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*Technical Specification*

**3rd Generation Partnership Project;**
**Technical Specification Group Radio Access Network;**
**NR;**
**User Equipment (UE) radio transmission and reception;**
**Part 3: Range 1 and Range 2 Interworking operation with other radios**
**(Release 17)**

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# Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

x the first digit:

1 presented to TSG for information;

2 presented to TSG for approval;

3 or greater indicates TSG approved document under change control.

y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

z the third digit is incremented when editorial only changes have been incorporated in the document.

In the present document, modal verbs have the following meanings:

**shall** indicates a mandatory requirement to do something

**shall not** indicates an interdiction (prohibition) to do something

The constructions "shall" and "shall not" are confined to the context of normative provisions, and do not appear in Technical Reports.

The constructions "must" and "must not" are not used as substitutes for "shall" and "shall not". Their use is avoided insofar as possible, and they are not used in a normative context except in a direct citation from an external, referenced, non-3GPP document, or so as to maintain continuity of style when extending or modifying the provisions of such a referenced document.

**should** indicates a recommendation to do something

**should not** indicates a recommendation not to do something

**may** indicates permission to do something

**need not** indicates permission not to do something

The construction "may not" is ambiguous and is not used in normative elements. The unambiguous constructions "might not" or "shall not" are used instead, depending upon the meaning intended.

**can** indicates that something is possible

**cannot** indicates that something is impossible

The constructions "can" and "cannot" are not substitutes for "may" and "need not".

**will** indicates that something is certain or expected to happen as a result of action taken by an agency the behaviour of which is outside the scope of the present document

**will not** indicates that something is certain or expected not to happen as a result of action taken by an agency the behaviour of which is outside the scope of the present document

**might** indicates a likelihood that something will happen as a result of action taken by some agency the behaviour of which is outside the scope of the present document

**might not** indicates a likelihood that something will not happen as a result of action taken by some agency the behaviour of which is outside the scope of the present document

In addition:

**is** (or any other verb in the indicative mood) indicates a statement of fact

**is not** (or any other negative verb in the indicative mood) indicates a statement of fact

The constructions "is" and "is not" do not indicate requirements.

# 1 Scope

The present document establishes the minimum RF requirements for NR User Equipment (UE) Interworking operation with other radios. This includes but is not limited to additional requirements for carrier aggregation or NR dual connectivity between Range 1 and Range 2 and additional requirements due to NR non-standalone (NSA) operation mode with E-UTRA.

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 38.101-1: "NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone"

[3] 3GPP TS 38.101-2: "NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone"

[4] 3GPP TS 36.101: "Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception"

[5] 3GPP TS 38.521-3: "NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios"

[6] Recommendation ITU-R M.1545: "Measurement uncertainty as it applies to test limits for the terrestrial component of International Mobile Telecommunications-2000"

[7] 3GPP TS 36.211: "E-UTRA; Physical channels and modulation"

[8] 3GPP TS 36.331: " Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification"

[9] 3GPP TS 38.331: "NR; Radio Resource Control (RRC) protocol specification"

[10] 3GPP TS 38.213: "NR; Physical layer procedures for control"

[11] 3GPP TS 38.306: "NR; User Equipment (UE) radio access capabilities"

[12] 3GPP TS 38.133: "NR; Requirements for support of radio resource management"

[13] 3GPP TS 38.211: "NR; Physical channels and modulation".

[14] 3GPP TS 38.214: "NR; Physical layer procedures for data"

[15] 3GPP TS 38.133: "NR; Requirements for support of radio resource management"

[16] 3GPP TS 36.133: "Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management"

# 3 Definitions, symbols and abbreviations

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in 3GPP TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in 3GPP TR 21.905 [1].

**Con-current operation**: The simultaneous transmission and reception of sidelink and Uu interfaces while operation is agnostic of the service used on each interface.

## 3.2 Symbols

For the purposes of the present document, the following symbols apply:

| | |
|---|---|
| $\Delta R_{IB,c}$ | Allowed reference sensitivity relaxation due to support for CA or DC operation, for serving cell *c*. |
| $\Delta T_{IB,c}$ | Allowed maximum configured output power relaxation due to support for CA or DC operation, for serving cell *c* |
| $BW_{E\text{-}UTRA_Channel}$ | Channel bandwidth of E-UTRA carrier |
| $BW_{E\text{-}UTRA_Channel_CA}$ | Channel bandwidth of E-UTRA sub-block which is composed of intra-band contiguous CA E-UTRA carriers |
| $BW_{NR_Channel}$ | Channel bandwidth of NR carrier |
| $BW_{NR_Channel_CA}$ | Channel bandwidth of NR sub-block which is composed of intra-band contiguous CA NR carriers |
| Ceil(x) | Rounding upwards; ceil(x) is the smallest integer such that ceil(x) ≥ x |
| $EN\text{-}DC_{ACLR}$ | The ratio of the filtered mean power centred on the aggregated sub-block bandwidth ENBW to the filtered mean power centred on an adjacent bandwidth of the same size ENBW |
| $E\text{-}UTRA_{ACLR}$ | E-UTRA ACLR |
| $F_C$ | *RF reference frequency* for the carrier center on the channel raster |
| $F_{DL_low}$ | The lowest frequency of the downlink *operating band* |
| $F_{DL_high}$ | The highest frequency of the downlink *operating band* |
| $F_{UL_low}$ | The lowest frequency of the uplink *operating band* |
| $F_{UL_high}$ | The highest frequency of the uplink *operating band* |
| $F_{OOB}$ | The boundary between the NR out of band emission and spurious emission domains |
| $L_{CRB}$ | Transmission bandwidth which represents the length of a contiguous resource block allocation expressed in units of resource blocks |
| Max() | The largest of given numbers |
| Min() | The smallest of given numbers |
| $NR_{ACLR}$ | NR ACLR |
| $N_{RB}$ | Transmission bandwidth configuration, expressed in units of resource blocks |
| $N_{RB_agg}$ | The number of the aggregated RBs within the fully allocated aggregated channel bandwidth $N_{RB_agg} = \sum_1^j N_{RB_j} * 2^{\mu_j}$ for carrier 1 to j, where $\mu$ is defined in TS 38.211 [13] |
| $N_{RB,c}$ | The transmission bandwidth configuration of component carrier c, expressed in units of resource blocks $N_{RB,cj} = N_{RB_j} * 2^{\mu_j}$ for carrier j, where $\mu$ is defined in TS 38.211 [13] |
| $P_{CMAX}$ | The configured maximum UE output power |
| $RB_{start}$ | Indicates the lowest RB index of transmitted resource blocks |
| $W_{gap}$ | The sub-block gap between the two sub-blocks |

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

| | |
|---|---|
| ACLR | Adjacent Channel Leakage Ratio |
| ACS | Adjacent Channel Selectivity |
| A-MPR | Additional Maximum Power Reduction |
| BCS | Bandwidth Combination Set |

| | |
|---|---|
| CA | Carrier Aggregation |
| CC | Component Carrier |
| DC | Dual Connectivity |
| EIRP | Equivalent Isotropically Radiated Power |
| EN-DC | E-UTRA/NR DC |
| EVM | Error Vector Magnitude |
| FDM | Frequency Division Multiplexing |
| FR | Frequency Range |
| ENBW | The aggregated bandwidth of an E-UTRA sub-block and an adjacent NR sub-block |
| ITS | Intelligent Transportation System |
| ITU-R | Radiocommunication Sector of the International Telecommunication Union |
| MBW | Measurement bandwidth defined for the protected band |
| MPR | Allowed maximum power reduction |
| MSD | Maximum Sensitivity Degradation |
| MCG | Master Cell Group |
| NR | New Radio |
| NS | Network Signalling |
| NSA | Non-Standalone, a mode of operation where operation of an other radio is assisted with an other radio |
| OOB | Out-of-band |
| OOBE | Out-of-band emission |
| OTA | Over The Air |
| PRB | Physical Resource Block |
| PSCCH | Physical Sidelink Control CHannel |
| PSSCH | Physical Sidelink Shared CHannel |
| RE | Resource Element |
| REFSENS | Reference Sensitivity |
| RF | Radio Frequency |
| Rx | Receiver |
| SCG | Secondary Cell Group |
| SCS | Subcarrier spacing |
| SEM | Spectrum Emission Mask |
| SL | Sidelink |
| SUL | Supplementary uplink |
| TDM | Time Division Multiplex |
| Tx | Transmitter |
| UE | User Equipment |
| UL MIMO | Up Link Multiple Antenna transmission |
| ULSUP | Uplink sharing from UE perspective |

# 4 General

## 4.1 Relationship between minimum requirements and test requirements

The present document is interwork specification for NR UE, covering RF characteristics and minimum performance requirements. Conformance to the present specification is demonstrated by fulfilling the test requirements specified in the conformance specification 3GPP TS 38.521-3 [5].

The Minimum Requirements given in this specification make no allowance for measurement uncertainty. The test specification TS 38.521-3 [5] defines test tolerances. These test tolerances are individually calculated for each test. The test tolerances are used to relax the minimum requirements in this specification to create test requirements. For some requirements, including regulatory requirements, the test tolerance is set to zero.

The measurement results returned by the test system are compared - without any modification - against the test requirements as defined by the shared risk principle.

The shared risk principle is defined in Recommendation ITU-R M.1545 [6].

# 4.2 Applicability of minimum requirements

a) In this specification the Minimum Requirements are specified as general requirements and additional requirements. Where the Requirement is specified as a general requirement, the requirement is mandated to be met in all scenarios

b) For specific scenarios for which an additional requirement is specified, in addition to meeting the general requirement, the UE is mandated to meet the additional requirements.

c) The spurious emissions power requirements are for the long-term average of the power. For the purpose of reducing measurement uncertainty it is acceptable to average the measured power over a period of time sufficient to reduce the uncertainty due to the statistical nature of the signal

d) Terminal that supports EN-DC or NE-DC configuration shall meet E-UTRA requirements as specified in TS 36.101 [4] and NR requirements as in TS 38.101-1 [2] and TS 38.101-2 [3] unless otherwise specified in this specification

e) All the requirements for intra-band contiguous and non-contiguous EN-DC or NE-DC apply under the assumption of the same uplink-downlink and special subframe configurations in the E-UTRA and slot format indicated by UL-DL-configurationCommon and UL-DL-configurationDedicated in the NR for the EN-DC or NE-DC.

f) For EN-DC or NE-DC combinations with CA configurations for E-UTRA and/or NR, all the requirements for E-UTRA and/or NR all the requirements for E-UTRA and/or NR intra-band contiguous and non-contiguous CA apply under the assumption of the same slot format indicated by UL-DL-configurationCommon and UL-DL-configurationDedicated in the PSCell and SCells for NR and the same uplink-downlink and special subframe configurations in Pcell and SCells for E-UTRA.

A terminal which supports an EN-DC or NE-DC configuration shall support:

If any subsets of the EN-DC or NE-DC configuration do not specify its own bandwidth combination sets in 5.3B, then the terminal shall support the same E-UTRA bandwidth combination sets it signals the support for in E-UTRA CA configuration part of E-UTRA – NR DC and shall support the same NR bandwidth combination sets it signals the support for in NR CA configuration part of E-UTRA – NR DC.

Else if one of the subsets of the EN-DC or NE-DC configuration specify its own bandwidth combination sets in 5.3B, then the terminal shall support a product set of channel bandwidth for each band specified by E-UTRA bandwidth combination sets, NR bandwidth combination sets, and EN-DC or NE-DC bandwidth combination sets it singnals the support.A terminal which supports an inter-band EN-DC or NE-DC configuration with a certain UL configuration shall support the all lower order DL configurations of the lower order EN-DC or NE-DC combinations, which have this certain UL configuration and the fallbacks of this UL configuration.

A terminal which supports NE-DC configurations shall meet the minimum requirements for corresponding EN-DC configuration, unless otherwise specified.

A terminal which supports CA or DC configurations, which include FR2 intra-band CA combinations with multiple subblocks, where at least one of the subblocks consists of a contiguous CA combination, is not required to support all possible fallback combinations but can directly fall back to a single FR2 carrier. Deactivating carriers within the CA or DC combination is still possible.

Terminal that supports inter-band NR-DC between FR1 and FR2 configuration shall meet the requirements for corresponding CA configuration (suffix A), unless otherwise specified.

# 4.3 Specification suffix information

Unless stated otherwise the following suffixes are used for indicating at 2nd level clause, shown in Table 4.3-1.

**Table 4.3-1: Definition of suffixes**

| Clause suffix | Variant |
|---|---|
| None | Single Carrier |
| A | Carrier Aggregation (CA) between FR1 and FR2 |
| B | Dual-Connectivity (DC) with and without SUL including UL sharing from UE perspective, inter-band NR DC between FR1 and FR2 |
| D | UL MIMO |
| E | V2X |
| F | Shared spectrum channel access |

# 5 Operating bands and channel arrangement

## 5.1 General

The channel arrangements presented in this clause are based on the operating bands and channel bandwidths defined in the present release of specifications.

NOTE: Other operating bands and channel bandwidths may be considered in future releases.

Requirements throughout the RF specifications are in many cases defined separately for different frequency ranges (FR). The frequency ranges in which NR can operate according to this version of the specifications are identified as described in Table 5.1-1.

**Table 5.1-1: Definition of frequency ranges**

| Frequency range designation | Corresponding frequency range |
|---|---|
| FR1 | 410 MHz – 7125 MHz |
| FR2 | 24250 MHz – 52600 MHz |

The present specification covers band combinations including

- at least one FR1 operating band and one FR2 operating band for carrier aggregation and dual connectivity operations;
- at least one E-UTRA operating band for dual connectivity operations.

## 5.2 Operating bands

NR is designed to operate in FR1 operating bands defined in TS 38.101-1 [2] and FR2 operating bands defined in TS 38.101-2 [3]. E-UTRA is designed to operate in operating bands defined in TS 36.101 [4].

## 5.2A Operating bands for CA

### 5.2A.1 Inter-band CA between FR1 and FR2

NR carrier aggregation is designed to operate in the operating bands defined in Table 5.2A.1-1 and Table 5.2A.1-2. The band combinations include at least one FR1 operating band and one FR2 operating band.

Operating bands for CA including Band n90 are defined by the corresponding operating bands for CA including Band n41 with Band n90 replacing Band n41. For brevity the said operating bands for CA including Band n90 are not listed in the tables below but are covered by this specification.

**Table 5.2A.1-1: Band combinations for inter-band CA between FR1 and FR2 (two bands)**

| NR CA Band | NR Band |
|---|---|
| CA_n1-n257[1] | n1, n257 |
| CA_n3-n257[1] | n3, n257 |
| CA_n5-n260[1] | n5, n260 |
| CA_n5-n261[1] | n5, n261 |
| CA_n8-n258 | n8, n258 |
| CA_n25-n260[1] | n25, n260 |
| CA_n25-n261[1] | n25, n261 |
| CA_n28-n257[1] | n28, n257 |
| CA_n41-n260[1] | n41, n260 |
| CA_n41-n261[1] | n41, n261 |
| CA_n66-n260 | n66, n260 |
| CA_n66-n261 | n66, n261 |
| CA_n71-n257[1] | n71, n257 |
| CA_n71-n260[1] | n71, n260 |
| CA_n71-n261[1] | n71, n261 |
| CA_n77-n257[1] | n77, n257 |
| CA_n77-n258[1] | n77, n258 |
| CA_n77-n261[1] | n77, n261 |
| CA_n78-n257[1] | n78, n257 |
| CA_n78-n258[1] | n78, n258 |
| CA_n79-n257[1] | n79, n257 |
| CA_n79-n258[1] | n79, n258 |
| NOTE 1: Applicable for UE supporting inter-band carrier aggregation with mandatory simultaneous Rx/Tx capability. | |

**Table 5.2A.1-2: Band combinations for inter-band CA between FR1 and FR2 (three bands)**

| NR CA Band | NR Band |
|---|---|
| CA_n1-n77-n257 | n1, n77, n257 |
| CA_n1-n78-n257 | n1, n78, n257 |
| CA_n1-n79-n257 | n1, n79, n257 |
| CA_n3-n28-n257 | n3, n28, n257 |
| CA_n3-n77-n257 | n3, n77, n257 |
| CA_n3-n78-n257 | n3, n78, n257 |
| CA_n28-n77-n257 | n28, n77, n257 |
| CA_n28-n78-n257 | n28, n78, n257 |
| CA_n77-n79-n257 | n77, n79, n257 |
| CA_n78-n79-n257 | n78, n79, n257 |

**Table 5.2A.1-3: Band combinations for inter-band CA between FR1 and FR2 (four bands)**

| NR CA Band | NR Band |
|---|---|
| CA_n1-n77-n79-n257 | n1, n77, n79, n257 |
| CA_n1-n78-n79-n257 | n1, n78, n79, n257 |
| CA_n3-n28-n77-n257 | n3, n28, n77, n257 |
| CA_n3-n28-n78-n257 | n3, n28, n78, n257 |

# 5.2B Operating bands for DC

## 5.2B.1 General

The operating bands are specified in clause 5.5B for operation with EN-DC, NGEN-DC, NE-DC or NR-DC configured.

### 5.2B.2 Void

### 5.2B.3 Void

### 5.2B.4 Void

### 5.2B.5 Void

### 5.2B.6 Void

### 5.2B.7 Void

## 5.2E Operating bands for V2X

### 5.2E.1 Intra-band V2X bands

NR V2X operation is designed to operate with E-UTRA sidelink in TDM mode on the operating bands combinations listed in Table 5.2E.1-1.

**Table 5.2E.1-1: Intra-band V2X operating bands**

| E-UTRA V2X-NR V2X Band Combination | E-UTRA or NR Band | Interface |
|---|---|---|
| V2X_47_n47[1] | 47 | PC5 |
| | n47 | PC5 |
| NOTE 1: Only single switched SL is supported. | | |

### 5.2E.2 Inter-band V2X bands

NR V2X operation is designed to operate concurrent with E-UTRA uplink/downlink on the operating bands combinations listed in Table 5.2E.2-1.

**Table 5.2E.2-1: Inter-band con-current V2X operating bands**

| E-UTRA-NR V2X Band Combination | E-UTRA or NR Band | Interface |
|---|---|---|
| V2X_20_n38 | 20 | Uu |
| | n38 | PC5 |
| V2X_ n39_47 | 47 | PC5 |
| | n39 | Uu |
| V2X_ 39_n47 | 39 | Uu |
| | n47 | PC5 |
| V2X_ n40_47 | 47 | PC5 |
| | n40 | Uu |
| V2X_ 40_n47 | 40 | Uu |
| | n47 | PC5 |
| V2X_ n71_47 | 47 | PC5 |
| | n71 | Uu |
| V2X_n71_(n) 47[1] | 47 | PC5 |
| | n47 | PC5 |
| | n71 | Uu |
| NOTE 1: Only single switched SL in ITS band is supported. | | |

# 5.3 UE Channel bandwidth

# 5.3A UE Channel bandwidth for CA

## 5.3A.1 Inter-band CA between FR1 and FR2

For inter-band NR CA between FR1 and FR2, a carrier aggregation configuration is a combination of operating bands, each supporting a carrier aggregation bandwidth class as specified in clause 5.3A.5 of TS 38.101-1 [2] and clause 5.3A.4 of TS 38.101-2 [3] independently.

# 5.3B UE Channel bandwidth for EN-DC

For intra-band contiguous EN-DC, the aggregated channel bandwidth is sum of the individual NR and E-UTRA channel bandwidths assuming nominal EN-DC channel with 0 kHz offset spacing as specified in clause 5.4.

$$ENBW = BW_{NR_Channel} + BW_{E\text{-}UTRA_Channel}$$

In the case where the NR sub-block and/or the E-UTRA sub-block itself is composed of intra-band contiguous CA carriers, the EN-DC aggregated channel bandwidth is the sum of the aggregated channel bandwidths of the NR and E-UTRA sub-blocks assuming nominal EN-DC channel spacing between the NR sub-block and E-UTRA sub-block.

$$ENBW = BW_{NR_Channel_CA} + BW_{E\text{-}UTRA_Channel_CA}$$

For NR inter-band dual connectivity specified in 5.5B.7, the corresponding NR CA configurations in 5.5A.1, i.e., dual uplink inter-band carrier aggregation between FR1 and FR2 with uplink assigned to two NR bands, are applicable to Dual Connectivity.

NOTE 1: Requirements for the dual connectivity configurations are defined in the clause corresponding NR uplink CA between FR1 and FR2 configurations, unless otherwise specified.

Intra-band contiguous EN-DC configurations are defined using intra-band contiguous EN-DC bandwidth class notation DC_(n)Xyz where the first EN-DC bandwidth class letter y indicates the number of contiguous E-UTRA carriers and the second EN-DC bandwidth class letter z indicates the number of contiguous NR carriers for the EN-DC combination of E-UTRA Band X and NR Band nX. Applicable contiguous intraband EN-DC bandwidth classes are listed in Table 5.3B-1.

**Table 5.3.B-1: Intra-band contiguous EN-DC bandwidth classes**

| Intra-band contiguous EN-DC bandwidth class | Number of contiguous CC | |
|---|---|---|
| | E-UTRA | NR |
| AA | 1 | 1 |
| AB | 1 | 2 |
| CA | 2 | 1 |
| DA | 3 | 1 |

The UE channel bandwidths for band combinations including Band n41 also apply for the corresponding band combinations with Band n90 replacing Band n41 but with otherwise identical parameters. For brevity the said UE channel bandwidths for band combinations with Band n90 are not listed in the tables below but are covered by this specification.

## 5.3B.1 Intra-band EN-DC in FR1

### 5.3B.1.1 General

The requirements for intra-band EN-DC in this specification are defined for EN-DC configurations with associated bandwidth combination sets.

For each EN-DC configuration, requirements are specified for all bandwidth combinations contained in a *bandwidth combination set*, which is indicated per supported band combination in the UE radio access capability. A UE can indicate support of several bandwidth combination sets per band combination.

### 5.3B.1.2 BCS for Intra-band contiguous EN-DC

For intra-band contiguous EN-DC, an EN-DC configuration is a single operating band supporting an intra-band contiguous EN-DC bandwidth class.

Bandwidth combination sets for intra-band contiguous EN-DC are specified in Table 5.3B.1.2-1.

**Table 5.3B.1.2-1: EN-DC configurations and bandwidth combination sets defined for intra-band contiguous EN-DC**

| E-UTRA – NR configuration / Bandwidth combination set | | | | | | |
|---|---|---|---|---|---|---|
| **Downlink EN-DC configuration** | **Uplink EN-DC configurations** | **Component carriers in order of increasing carrier frequency** | | | **Maximum aggregated bandwidth (MHz)** | **Bandwidth combination set** |
| | | **Channel bandwidths for E-UTRA carrier (MHz)** | **Channel bandwidths for NR carrier (MHz)** | **Channel bandwidths for E-UTRA carrier (MHz)** | | |
| DC_(n)5AA | DC_(n)5AA[4] | 5, 10 | 5, 10, 15, 20 | | 25 | 0 |
| | | | 5, 10, 15, 20 | 5, 10 | | |
| DC_(n)12AA | DC_(n)12AA[4] | 5, 10 | 5, 10 | | 15 | 0 |
| | | | 5, 10 | 5, 10 | | |
| DC_(n)38AA | DC_(n)38AA[4] | 5, 10, 15, 20 | 5, 10, 15, 20, 40 | | 50 | 0 |
| | | | 5, 10, 15, 20, 40 | 5, 10, 15, 20 | | |
| DC_(n)41AA | DC_(n)41AA | 20 | 40, 60, 80,100 | | 120 | 0 |
| | | | 40, 60, 80,100 | 20 | | |
| | | 20 | 40, 50, 60, 80,100 | | 120 | 1 |
| | | | 40, 50, 60, 80,100 | 20 | | |
| | | 20 | 10, 20, 30, 40, 50, 60, 80,100 | | 120 | 2 |
| | | | 10, 20, 30, 40, 50, 60, 80,100 | 20 | | |
| | | 10 | 20, 30, 40, 50, 60, 80,100 | | | |
| | | | 20, 30, 40, 50, 60, 80,100 | 10 | | |
| DC_(n)41AB | DC_(n)41AA, DC_41A_n41A | 10 | 20+20 | | 70 | 0 |
| | | | 20+20 | 10 | | |
| | | 20 | 10+20 | | | |
| | | | 10+20 | 20 | | |
| | | 20 | 20+30 | | | |
| | | | 20+30 | 20 | | |
| DC_(n)41CA | DC_(n)41AA, DC_41A_n41A[2] | 20+20 | 40, 60, 80,100 | | 140 | 0 |
| | | | 40, 60, 80,100 | 20+20 | | |
| | | 20+20 | 40, 50, 60, 80,100 | | 140 | 1 |
| | | | 40, 50, 60, 80,100 | 20+20 | | |
| | | 20+20 | 10, 20, 30, 40, 50, 60, 80,100 | | 140 | 2 |
| | | | 10, 20, 30, 40, 50, 60, 80,100 | 20+20 | | |
| | | 10+20 | 10, 20, 30, 40, 50, 60, 80,100 | | | |
| | | | 10, 20, 30, 40, 50, 60, 80,100 | 10+20 | | |
| DC_(n)41DA | DC_(n)41AA, DC_41A_n41A[2] | 20+20+20 | 40, 60, 80,100 | | 160 | 0 |
| | | | 40, 60, 80,100 | 20+20+20 | | |
| | | 20+20+20 | 40, 50, 60, 80,100 | | 160 | 1 |
| | | | 40, 50, 60, 80,100 | 20+20+20 | | |
| | | 20+20+20 | 30, 40, 50, 60, 80,100 | | 160 | 2 |
| | | | 30, 40, 50, 60, 80,100 | 20+20+20 | | |
| | | 20+20+15 | 30, 40, 50, 60, 80,100 | | | |

| E-UTRA – NR configuration / Bandwidth combination set | | | | | | |
|---|---|---|---|---|---|---|
| **Downlink EN-DC configuration** | **Uplink EN-DC configurations** | **Component carriers in order of increasing carrier frequency** | | | **Maximum aggregated bandwidth (MHz)** | **Bandwidth combination set** |
| | | **Channel bandwidths for E-UTRA carrier (MHz)** | **Channel bandwidths for NR carrier (MHz)** | **Channel bandwidths for E-UTRA carrier (MHz)** | | |
| | | | 30, 40, 50, 60, 80,100 | 20+20+15 | | |
| DC_(n)48AA[5] | DC_(n)48AA[4] | 5, 10, 15, 20 | 5, 10, 15, 20, 40 | | 60 | 0 |
| | | | 5, 10, 15, 20, 40 | 5, 10, 15, 20 | | |
| DC_(n)48CA[5] | DC_(n)48AA[4]<br>DC_48A_n48A[4] | See CA_48C Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | 5, 10, 15, 20, 40 | | 80 | 0 |
| | | | 5, 10, 15, 20, 40 | See CA_48C Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | | |
| DC_(n)48DA[5] | DC_(n)48AA[4]<br>DC_48A_n48A[4] | See CA_48D Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | 5, 10, 15, 20, 40 | | 100 | 0 |
| | | | 5, 10, 15, 20, 40 | See CA_48D Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | | |
| DC_(n)71AA | DC_(n)71AA[3] | 15 | 5 | | 20 | 0 |
| | | 10 | 5, 10 | | | |
| | | 5 | 5, 10, 15 | | | |
| | | | 5 | 15 | | |
| | | | 5, 10 | 10 | | |
| | | | 5, 10, 15 | 5 | | |
| | | 5 | 5,10,15,20 | | 25[3] | 1 |
| | | 10 | 5,10,15 | | | |
| | | 15 | 5,10 | | | |
| | | | 5,10,15,20 | 5 | | |
| | | | 5,10,15 | 10 | | |
| | | | 5,10 | 15 | | |

NOTE 1: Void
NOTE 2: Void
NOTE 3: For maximum DL aggregated bandwidth of 25 MHz the asymmetric UL and DL channel bandwidth combination of Table 5.3.6-1 in TS 38.101-1 [2] is used with a maximum UL contiguous aggregated bandwidth of 20 MHz. Furthermore, a restriction is imposed on bandwidth combinations so that only a subset of BCS1 is allowed to be used on the uplink, and this subset is equivalent to BCS0.
NOTE4: Only single switched UL is supported.
NOTE5: The minimum requirements only apply for non-simultaneous Tx/Rx between all carriers.

### 5.3B.1.3 BCS for Intra-band non-contiguous EN-DC

For intra-band non-contiguous EN-DC, an EN-DC configuration is a single operating band supporting E-UTRA and NR carriers, where E-UTRA configuration is indicated by using E-UTRA CA bandwidth class as defined in TS 36.101 [4] and NR configuration is indicated by using NR CA bandwidth class as defined in TS 38.101-1 [2].

Requirements for intra-band non-contiguous EN-DC are defined for the EN-DC configurations and bandwidth combination sets specified in Table 5.3B.1.3-1.

**Table 5.3B.1.3-1: EN-DC configurations and bandwidth combination sets defined for intra-band non-contiguous EN-DC**

| E-UTRA – NR configuration / Bandwidth combination set | | | | | | |
|---|---|---|---|---|---|---|
| **Downlink EN-DC configuration** | **Uplink EN-DC configurations** | **Component carriers in order of increasing carrier frequency** | | | **Maximum aggregated bandwidth (MHz)** | **Bandwidth combination set** |
| | | **Channel bandwidths for E-UTRA carrier (MHz)** | **Channel bandwidths for NR carrier (MHz)** | **Channel bandwidths for E-UTRA carrier (MHz)** | | |
| DC_2A_n2A | DC_2A_n2A[2] | 5, 10, 15, 20 | 5, 10, 15, 20 | | 40 | 0 |
| DC_3A_n3A | DC_3A_n3A[(1)] | | 5, 10, 15, 20, 25, 30 | 5, 10, 15, 20 | 50 | 0 |
| | | | 5, 10, 15, 20, 25, 30 | 5, 10, 15, 20 | 50 | 1 |
| | | 5, 10, 15, 20 | 5, 10, 15, 20, 25, 30 | | | |
| DC_5A_n5A | DC_5A_n5A[2] | 5, 10 | 5, 10, 15 | | 20 | 0 |
| DC_7A_n7A[3] | DC_7A_n7A[2] | 5, 10, 15, 20 | 5, 10, 15, 20 | | 40 | 0 |
| DC_41A_n41A | DC_41A_n41A | 20 | 40, 60, 80,100 | | 120 | 0 |
| | | | 40, 60, 80,100 | 20 | | |
| | | 20 | 40, 50, 60, 80,100 | | 120 | 1 |
| | | | 40, 50, 60, 80,100 | 20 | | |
| | | 20 | 10, 20, 30, 40, 50, 60, 80,100 | | 120 | 2 |
| | | | 10, 20, 30, 40, 50, 60, 80,100 | 20 | | |
| | | 10 | 20, 30, 40, 50, 60, 80,100 | | | |
| | | | 20, 30, 40, 50, 60, 80,100 | 10 | | |
| DC_41C_n41A | DC_41A_n41A | 20+20 | 40, 60, 80,100 | | 140 | 0 |
| | | | 40, 60, 80,100 | 20+20 | | |
| | | 20+20 | 40, 50, 60, 80,100 | | 140 | 1 |
| | | | 40, 50, 60, 80,100 | 20+20 | | |
| DC_41D_n41A | DC_41A_n41A | 20+20+20 | 40, 60, 80,100 | | 160 | 0 |
| | | | 40, 60, 80,100 | 20+20+20 | | |
| | | 20+20+20 | 40, 50, 60, 80,100 | | 160 | 1 |
| | | | 40, 50, 60, 80,100 | 20+20+20 | | |
| DC_48A_n48A[4] | DC_48A_n48A[2] | 5, 10, 15, 20 | 5, 10, 15, 20, 40 | | 60 | 0 |
| | | | 5, 10, 15, 20, 40 | 5, 10, 15, 20 | | |
| DC_48A_(n)48AA[4] | DC_(n)48AA[2] DC_48A_n48A[2] | See CA_48A-48A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 | 5, 10, 15, 20, 40 | | 80 | 0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 5, 10, 15, 20, 40 | See CA_48A-48A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 | | |
| DC_48A-48A_n48A[4] | DC_48A_n48A[2] | See CA_48A-48A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 | 5, 10, 15, 20, 40 | | 80 | 0 |
| | | | 5, 10, 15, 20, 40 | See CA_48A-48A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 | | |
| DC_48C_n48A[4] | DC_48A_n48A[2] | See CA_48C Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | 5, 10, 15, 20, 40 | | 80 | 0 |
| | | | 5, 10, 15, 20, 40 | See CA_48C Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | | |
| DC_48D_n48A[4] | DC_48A_n48A[2] | See CA_48D Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | 5, 10, 15, 20, 40 | | 100 | 0 |
| | | | 5, 10, 15, 20, 40 | See CA_48D Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | | |
| DC_66A_n66A | DC_66A_n66A[2] | 5, 10, 15, 20 | 5, 10, 15, 20, 40 | | 50 | 0 |
| DC_71A_n71A | DC_71A_n71A[2] | 15 | 5 | | 20 | 0 |
| | | 10 | 5, 10 | | | |
| | | 5 | 5, 10, 15 | | | |
| | | | 5 | 15 | | |
| | | | 5, 10 | 10 | | |
| | | | 5, 10, 15 | 5 | | |

NOTE 1: Only single switched UL is supported in Rel.15.
NOTE 2: Only single switched UL is supported.
NOTE 3: Requirements in this specification apply for NR SCS of 15 kHz only.
NOTE 4: The minimum requirements only apply for non-simultaneous Tx/Rx between all carriers.

# 5.3C Void

# 5.3D Void

# 5.3E UE Channel bandwidth for V2X

The requirements specified in clause 5.3B are applicable to NR V2X UE.

## 5.3E.1 Intra-band contiguous V2X in FR1

For intra-band contiguous E-UTRA NR V2X UE, an EN-DC bandwidth class in Table 5.3.B-1 are considered to specify the V2X transmission/reception configurations.

Bandwidth combination sets and V2X transmission/reception configurations for intra-band contiguous V2X UE are specified in Table 5.3E.1-1.

**Table 5.3E.1-1: E-UTRA-NR V2X configurations and bandwidth combination sets for intra-band contiguous V2X UE**

| V2X configuration | SL transmisison band | Channel bandwidths for E-UTRA carrier (MHz) | Channel bandwidths for NR carrier (MHz) | Maximum aggregated bandwidth (MHz) | Bandwidth combination set |
|---|---|---|---|---|---|
| V2X_(n)47AA | E-UTRA Band 47 or NR band n47 | 10 | 10,20,30,40 | 60 | 0 |
| | | 20 | 10,20,30,40 | | |

## 5.3E.2 Intra-band non-contiguous V2X in FR1

For intra-band non-contiguous E-UTRA NR V2X UE, an EN-DC bandwidth class in Table 5.3.B-1 are considered to specify the V2X transmission/reception configurations.

Bandwidth combination sets and SL transmission/reception configurations for intra-band non-contiguous V2X are specified in Table 5.3E.2-1.

**Table 5.3E.2-1: E-UTRA-NR V2X configurations and bandwidth combination sets for intra-band non-contiguous V2X UE**

| V2X configuration | SL transmisison band | Channel bandwidths for E-UTRA carrier (MHz) | Channel bandwidths for NR carrier (MHz) | Maximum aggregated bandwidth (MHz) | Bandwidth combination set |
|---|---|---|---|---|---|
| V2X_47A_n47A | E-UTRA Band 47 or NR band n47 | 10 | 10,20,30,40 | 60 | 0 |
| | | 20 | 10,20,30,40 | | |

## 5.3E.3 Inter-band V2X in FR1

For inter-band E-UTRA NR V2X UE, the each channel bandwidth for inter-band V2X operations in FR1 is specified in TS 36.101 [4] and TS 38.101-1 [2], respectively.

# 5.4 Void

# 5.4A Channel arrangement for CA

The channel arrangement for CA operations in FR1 and FR2 as specified in TS 38.101-1 [2] and TS 38.101-2 [3], respectively.

# 5.4B Channel arrangement for DC

The channel arrangement for intra-band EN-DC operations in FR1 is specified in TS 36.101 [4] and TS 38.101-1 [2] , respectively.

## 5.4B.1 Channel spacing for intra-band EN-DC carriers

The spacing between carriers will depend on the deployment scenario, the size of the frequency block available and the channel bandwidths. The nominal channel spacing between and E-UTRA carrier and an adjacent NR carrier for intra-band contiguous EN-DC is defined as following:

- For NR operating bands with 100 kHz channel raster,

$$\text{Nominal Channel spacing} = (BW_{E\text{-}UTRA_Channel} + BW_{NR_Channel})/2$$

- For NR operating bands with 15 kHz channel raster,
  - Nominal Channel spacing = $(BW_{E\text{-}UTRA_Channel} + BW_{NR_Channel})/2+\{-5\text{kHz}, 0\text{kHz}, 5\text{kHz}\}$ for $\Delta F_{Raster}$ equals to 15 kHz
  - Nominal Channel spacing = $(BW_{E\text{-}UTRA_Channel} + BW_{NR_Channel})/2+\{-10\text{ kHz}, 0\text{ kHz}, 10\text{ kHz}\}$ for $\Delta F_{Raster}$ equals to 30 kHz

where $BW_{E\text{-}UTRA_Channel}$ and $BW_{NR_Channel}$ are the channel bandwidths of the E-UTRA and NR carriers, $\Delta F_{Raster}$ is the band dependent channel raster granularity defined in TS38.101-1[2]. The channel spacing can be adjusted depending on the channel raster to optimize performance in a particular deployment scenario.

For intra-band non-contiguous EN-DC the channel spacing between E-UTRA and NR carriers shall be larger than the nominal channel spacing defined in this clause

# 5.5 Configuration

# 5.5A Configuration for CA

## 5.5A.1 Inter-band CA configurations between FR1 and FR2

The configurations for operating bands for CA including Band n41 also apply for the corresponding operating bands for CA with Band n90 replacing Band n41 but with otherwise identical parameters. For brevity the said configuration for operating bands for CA with Band n90 are not listed in the tables below but are covered by this specification.

**Table 5.5A.1-1: Inter-band CA configurations and bandwidth combinations sets between FR1 and FR2 (two bands)**

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n1A-n257A | CA_n1A-n257A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n1A-n257D | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n1A-n257E | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257E | | | | | | | | | | | | | | | |
| CA_n1A-n257F | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257F | | | | | | | | | | | | | | | |
| CA_n1A-n257G | CA_n257G<br>CA_n1A-n257A<br>CA_n1A-n257G | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257G | | | | | | | | | | | | | | | |
| CA_n1A-n257H | CA_n257G<br>CA_n257H<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257H | | | | | | | | | | | | | | | |
| CA_n1A-n257I | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n1A-n257I | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257I | | | | | | | | | | | | | | | |
| CA_n1A-n257J | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257J | | | | | | | | | | | | | | | |
| CA_n1A-n257K | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257K | | | | | | | | | | | | | | | |
| CA_n1A-n257L | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257L | | | | | | | | | | | | | | | |
| CA_n1A-n257M | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257M | | | | | | | | | | | | | | | |
| CA_n1A-n258A | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n1A-n258D | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258D | | | | | | | | | | | | | | | |
| CA_n1A-n258E | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258E | | | | | | | | | | | | | | | |
| CA_n1A-n258F | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n258 | CA_n258F | | | | | | | | | | | | | | | |
| CA_n1A-n258G | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258G | | | | | | | | | | | | | | | |
| CA_n1A-n258H | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258H | | | | | | | | | | | | | | | |
| CA_n1A-n258I | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258I | | | | | | | | | | | | | | | |
| CA_n1A-n258J | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258J | | | | | | | | | | | | | | | |
| CA_n1A-n258K | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258K | | | | | | | | | | | | | | | |
| CA_n1A-n258L | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258L | | | | | | | | | | | | | | | |
| CA_n1A-n258M | CA_n1A-n258A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258M | | | | | | | | | | | | | | | |
| CA_n2A-n260A | CA_n2A-n260A | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n2A-n260G | CA_n2A-n260A<br>CA_n2A-n260G | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260G | | | | | | | | | | | | | | | |
| CA_n2A-n260H | CA_n2A-n260A<br>CA_n2A-n260G<br>CA_n2A-n260H | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260H | | | | | | | | | | | | | | | |
| CA_n2A-n260I | CA_n2A-n260A<br>CA_n2A-n260G<br>CA_n2A-n260H<br>CA_n2A-n260I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n2A-n260J | CA_n2A-n260A<br>CA_n2A-n260G<br>CA_n2A-n260H<br>CA_n2A-n260I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n2A-n260K | CA_n2A-n260A<br>CA_n2A-n260G<br>CA_n2A-n260H<br>CA_n2A-n260I<br>CA_n2A-n260K | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260K | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n2A-n260L | CA_n2A-n260A<br>CA_n2A-n260G<br>CA_n2A-n260H<br>CA_n2A-n260I<br>CA_n2A-n260K<br>CA_n2A-n260L | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260L | | | | | | | | | | | | | | | |
| CA_n2A-n260M | CA_n2A-n260A<br>CA_n2A-n260G<br>CA_n2A-n260H<br>CA_n2A-n260I<br>CA_n2A-n260K<br>CA_n2A-n260L<br>CA_n2A-n260M | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n2A-n261A | CA_n2A-n261A | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n2A-n261G | CA_n2A-n261A<br>CA_n2A-n261G | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261G | | | | | | | | | | | | | | | |
| CA_n2A-n261H | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261H | | | | | | | | | | | | | | | |
| CA_n2A-n261I | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261I | | | | | | | | | | | | | | | |
| CA_n2A-n261J | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261J | | | | | | | | | | | | | | | |
| CA_n2A-n261K | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261K | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n2A-n261L | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261L | | | | | | | | | | | | | | | |
| CA_n2A-n261M | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261M | | | | | | | | | | | | | | | |
| CA_n2A-n261(2A) | CA_n2A-n261A | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n2A-n261(2G) | CA_n2A-n261A<br>CA_n2A-n261G | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2G) | | | | | | | | | | | | | | | |
| CA_n2A-n261(2H) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2H) | | | | | | | | | | | | | | | |
| CA_n2A-n261(2I) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2I) | | | | | | | | | | | | | | | |
| CA_n2A-n261(3A) | CA_n2A-n261A | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(3A) | | | | | | | | | | | | | | | |
| CA_n2A-n261(4A) | CA_n2A-n261A | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(4A) | | | | | | | | | | | | | | | |
| CA_n2A-n261(A-G) | CA_n2A-n261A<br>CA_n2A-n261G | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G) | | | | | | | | | | | | | | | |
| CA_n2A-n261(A-H) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-H) | | | | | | | | | | | | | | | |
| CA_n2A-n261(A-I) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-I) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n2A-n261(A-J) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-J) | | | | | | | | | | | | | | | |
| CA_n2A-n261(A-K) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-K) | | | | | | | | | | | | | | | |
| CA_n2A-n261(A-L) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-L) | | | | | | | | | | | | | | | |
| CA_n2A-n261(G-H) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(G-H) | | | | | | | | | | | | | | | |
| CA_n2A-n261(H-I) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(H-I) | | | | | | | | | | | | | | | |
| CA_n2A-n261(G-I) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(G-I) | | | | | | | | | | | | | | | |
| CA_n2A-n261(A-G-H) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G-H) | | | | | | | | | | | | | | | |
| CA_n2A-n261(A-G-I) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G-I) | | | | | | | | | | | | | | | |
| CA_n2A-n261(2A-H) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n261 | CA_n261(2A-H) | | | | | | | | | | | | | | | |
| CA_n2A-n261(2A-G) | CA_n2A-n261A<br>CA_n2A-n261G | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A-G) | | | | | | | | | | | | | | | |
| CA_n2A-n261(2A-I) | CA_n2A-n261A<br>CA_n2A-n261G<br>CA_n2A-n261H<br>CA_n2A-n261I | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A-I) | | | | | | | | | | | | | | | |
| CA_n2A-n261(A-2G) | CA_n2A-n261A<br>CA_n2A-n261G | n2 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-2G) | | | | | | | | | | | | | | | |
| CA_n3A-n257A | CA_n3A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n3A-n257D | CA_n3A-n257A<br>CA_n3A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n3A-n257G | CA_n3A-n257A<br>CA_n3A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n257 | CA_n257G | | | | | | | | | | | | | | | |
| CA_n3A-n257H | CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n257 | CA_n257H | | | | | | | | | | | | | | | |
| CA_n3A-n257I | CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n3A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n257 | CA_n257I | | | | | | | | | | | | | | | |
| CA_n5A-n260A | CA_n5A-n260A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n5A-n260(2A) | CA_n5A-n260A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(2A) | | | | | | | | | | | | | | | |
| CA_n5A-n260(3A) | CA_n5A-n260A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(3A) | | | | | | | | | | | | | | | |
| CA_n5A-n260(4A) | CA_n5A-n260A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(4A) | | | | | | | | | | | | | | | |
| CA_n5A-n260(5A) | CA_n5A-n260A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(5A) | | | | | | | | | | | | | | | |
| CA_n5A-n260(6A) | CA_n5A-n260A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(6A) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n5A-n260(7A) | CA_n5A-n260A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(7A) | | | | | | | | | | | | | | | |
| CA_n5A-n260(8A) | CA_n5A-n260A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(8A) | | | | | | | | | | | | | | | |
| CA_n5A-n260G | CA_n5A-n260A<br>CA_n5A-n260G | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260G | | | | | | | | | | | | | | | |
| CA_n5A-n260H | CA_n5A-n260A<br>CA_n5A-n260G<br>CA_n5A-n260H | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260H | | | | | | | | | | | | | | | |
| CA_n5A-n260I | CA_n5A-n260A<br>CA_n5A-n260G<br>CA_n5A-n260H<br>CA_n5A-n260I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n5A-n260J | CA_n5A-n260A<br>CA_n5A-n260G<br>CA_n5A-n260H<br>CA_n5A-n260I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n5A-n260K | CA_n5A-n260A<br>CA_n5A-n260G<br>CA_n5A-n260H<br>CA_n5A-n260I<br>CA_n5A-n260K | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260K | | | | | | | | | | | | | | | |
| CA_n5A-n260L | CA_n5A-n260A<br>CA_n5A-n260G<br>CA_n5A-n260H<br>CA_n5A-n260I<br>CA_n5A-n260K<br>CA_n5A-n260L | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | CA_n5A-n260L |
| | | n260 | CA_n260L | | | | | | | | | | | | | | | |
| CA_n5A-n260M | CA_n5A-n260A<br>CA_n5A-n260G<br>CA_n5A-n260H<br>CA_n5A-n260I<br>CA_n5A-n260K<br>CA_n5A-n260L<br>CA_n5A-n260M | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | CA_n5A-n260M |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n260 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n5A-n261A | CA_n5A-n261A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n5A-n261(2A) | CA_n5A-n261A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n5A-n261(3A) | CA_n5A-n261A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(3A) | | | | | | | | | | | | | | | |
| CA_n5A-n261(4A) | CA_n5A-n261A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(4A) | | | | | | | | | | | | | | | |
| CA_n5A-n261G | CA_n5A-n261A<br>CA_n5A-n261G | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261G | | | | | | | | | | | | | | | |
| CA_n5A-n261H | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261H | | | | | | | | | | | | | | | |
| CA_n5A-n261I | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261I | | | | | | | | | | | | | | | |
| CA_n5A-n261J | CA_n5A-n261A<br>CA_n5A_n261G<br>CA_n5A_n261H<br>CA_n5A_n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261J | | | | | | | | | | | | | | | |
| CA_n5A-n261K | CA_n5A-n261A<br>CA_n5A_n261G<br>CA_n5A_n261H<br>CA_n5A_n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261J | | | | | | | | | | | | | | | |
| CA_n5A-n261L | CA_n5A-n261A<br>CA_n5A_n261G<br>CA_n5A_n261H<br>CA_n5A_n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261L | | | | | | | | | | | | | | | |
| CA_n5A-n261M | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261M | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n5A-n261O | CA_n5A-n261A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261O | | | | | | | | | | | | | | | |
| CA_n5A-n261P | CA_n5A-n261A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261P | | | | | | | | | | | | | | | |
| CA_n5A-n261Q | CA_n5A-n261A | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261Q | | | | | | | | | | | | | | | |
| CA_n5A-n261(2G) | CA_n5A-n261A<br>CA_n5A-n261G | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2G) | | | | | | | | | | | | | | | |
| CA_n5A-n261(2H) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2H) | | | | | | | | | | | | | | | |
| CA_n5A-n261(2I) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2I) | | | | | | | | | | | | | | | |
| CA_n5A-n261(A-G) | CA_n5A-n261A<br>CA_n5A-n261G | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G) | | | | | | | | | | | | | | | |
| CA_n5A-n261(A-H) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-H) | | | | | | | | | | | | | | | |
| CA_n5A-n261(A-I) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-I) | | | | | | | | | | | | | | | |
| CA_n5A-n261(A-J) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-J) | | | | | | | | | | | | | | | |
| CA_n5A-n261(A-K) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-K) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n5A-n261(A-L) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-L) | | | | | | | | | | | | | | | |
| CA_n5A-n261(G-H) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(G-H) | | | | | | | | | | | | | | | |
| CA_n5A-n261(H-I) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(H-I) | | | | | | | | | | | | | | | |
| CA_n5A-n261(G-I) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(G-I) | | | | | | | | | | | | | | | |
| CA_n5A-n261(A-G-H) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G-H) | | | | | | | | | | | | | | | |
| CA_n5A-n261(A-G-I) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G-I) | | | | | | | | | | | | | | | |
| CA_n5A-n261(2A-H) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A-H) | | | | | | | | | | | | | | | |
| CA_n5A-n261(2A-G) | CA_n5A-n261A<br>CA_n5A-n261G | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A-G) | | | | | | | | | | | | | | | |
| CA_n5A-n261(2A-I) | CA_n5A-n261A<br>CA_n5A-n261G<br>CA_n5A-n261H<br>CA_n5A-n261I | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A-I) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n5A-n261(A-2G) | CA_n5A-n261A<br>CA_n5A-n261G | n5 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(A-2G) | | | | | | | | | | | | | | | |
| CA_n8A-n258A | CA_n8A-n258A | n8 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n25A-n258A | CA_n25A-n258A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n25A-n258(2A) | CA_n25A-n258A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(2A) | | | | | | | | | | | | | | | |
| CA_n25A-n258(3A) | CA_n25A-n258A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(3A) | | | | | | | | | | | | | | | |
| CA_n25A-n258(4A) | CA_n25A-n258A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(4A) | | | | | | | | | | | | | | | |
| CA_n25A-n258(5A) | CA_n25A-n258A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(5A) | | | | | | | | | | | | | | | |
| CA_n25A-n260A | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n25A-n260(2A) | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(2A) | | | | | | | | | | | | | | | |
| CA_n25A-n260(3A) | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(3A) | | | | | | | | | | | | | | | |
| CA_n25A-n260(4A) | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(4A) | | | | | | | | | | | | | | | |
| CA_n25A-n260(5A) | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260(5A) | | | | | | | | | | | | | | | |
| CA_n25A-n260(6A) | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260(6A) | | | | | | | | | | | | | | | |
| CA_n25A-n260(7A) | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260(7A) | | | | | | | | | | | | | | | |
| CA_n25A-n260(8A) | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n258 | CA_n260(8A) | | | | | | | | | | | | | | | |
| CA_n25A-n260G | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260G | | | | | | | | | | | | | | | |
| CA_n25A-n260H | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260H | | | | | | | | | | | | | | | |
| CA_n25A-n260I | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n25A-n260J | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n25A-n260K | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260K | | | | | | | | | | | | | | | |
| CA_n25A-n260L | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260L | | | | | | | | | | | | | | | |
| CA_n25A-n260M | CA_n25A-n260A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n25A-n261A | CA_n25A-n261A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n25A-n261(2A) | CA_n25A-n261A | n25 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n28A-n257A | CA_n28A-n257A | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n28A-n257D | CA_n28A-n257A<br>CA_n28A-n257D | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n28A-n257G | CA_n28A-n257A<br>CA_n28A-n257G | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257G | | | | | | | | | | | | | | | |
| CA_n28A-n257H | CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257H | | | | | | | | | | | | | | | |
| CA_n28A-n257I | CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H<br>CA_n28A-n257I | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n257 | CA_n257I | | | | | | | | | | | | | | | |
| CA_n40A-n258A | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n40A-n258D | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n258 | CA_n258D | | | | | | | | | | | | | | | |
| CA_n40A-n258E | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n258 | CA_n258E | | | | | | | | | | | | | | | |
| CA_n40A-n258F | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | CA_n258F | | | | | | | | | | | | | | | |
| CA_n40A-n258G | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | CA_n258G | | | | | | | | | | | | | | | |
| CA_n40A-n258H | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | CA_n258H | | | | | | | | | | | | | | | |
| CA_n40A-n258I | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | CA_n258I | | | | | | | | | | | | | | | |
| CA_n40A-n258J | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | CA_n258J | | | | | | | | | | | | | | | |
| CA_n40A-n258K | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | CA_n258K | | | | | | | | | | | | | | | |
| CA_n40A-n258L | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | CA_n258L | | | | | | | | | | | | | | | |
| CA_n40A-n258M | CA_n40A-n258A | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | | | | 0 |
| | | n258 | CA_n258M | | | | | | | | | | | | | | | |
| CA_n41A-n258A | CA_n41A-n258A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41A-n258(2A) | CA_n41A-n258A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258(2A) | | | | | | | | | | | | | | | |
| CA_n41A-n258(3A) | CA_n41A-n258A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258(3A) | | | | | | | | | | | | | | | |
| CA_n41A-n258(4A) | CA_n41A-n258A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258(4A) | | | | | | | | | | | | | | | |
| CA_n41A-n258(5A) | CA_n41A-n258A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258(5A) | | | | | | | | | | | | | | | |
| CA_n41C-n258A | CA_n41A-n258A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41C-n258(2A)A | CA_n41A-n258A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(2A) | | | | | | | | | | | | | | | |
| CA_n41C-n258(3A)A | CA_n41A-n258A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n258 | CA_n258(3A) | | | | | | | | | | | | | | | |
| CA_n41C-n258(4A)A | CA_n41A-n258A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(4A) | | | | | | | | | | | | | | | |
| CA_n41C-n258(5A)A | CA_n41A-n258A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(5A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n258A | CA_n41A-n258A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41(2A)-n258(2A)A | CA_n41A-n258A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(2A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n258(3A)A | CA_n41A-n258A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(3A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n258(4A)A | CA_n41A-n258A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(4A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n258(5A)A | CA_n41A-n258A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n258 | CA_n258(5A) | | | | | | | | | | | | | | | |
| CA_n41A-n260A | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41A-n260(2A) | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260(2A) | | | | | | | | | | | | | | | |
| CA_n41A-n260(3A) | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260(3A) | | | | | | | | | | | | | | | |
| CA_n41A-n260(4A) | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260(4A) | | | | | | | | | | | | | | | |
| CA_n41A-n260(5A) | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260(5A) | | | | | | | | | | | | | | | |
| CA_n41A-n260(6A) | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260(6A) | | | | | | | | | | | | | | | |
| CA_n41A-n260(7A) | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n260 | CA_n260(7A) | | | | | | | | | | | | | | | |
| CA_n41A-n260(8A) | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260(8A) | | | | | | | | | | | | | | | |
| CA_n41A-n260G | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260G | | | | | | | | | | | | | | | |
| CA_n41A-n260H | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260H | | | | | | | | | | | | | | | |
| CA_n41A-n260I | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n41A-n260J | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n41A-n260K | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260K | | | | | | | | | | | | | | | |
| CA_n41A-n260L | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260L | | | | | | | | | | | | | | | |
| CA_n41A-n260M | CA_n41A-n260A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260A | CA_n41A-n260A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n260 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41(2A)-n260(2A) | CA_n41A-n260A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(2A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260(3A) | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(3A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260(4A) | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(4A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260(5A) | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(5A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260(6A) | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(6A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260(7A) | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(7A) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n41(2A)-n260(8A) | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(8A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260G | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260G | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260H | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260H | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260I | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260J | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260K | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260K | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260L | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260L | | | | | | | | | | | | | | | |
| CA_n41(2A)-n260M | CA_n41A-n260A | n41 | CA_n41(2A) | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n41C-n260A | CA_n41A-n260A | n41 | CA_41C | | | | | | | | | | | | | | | 0 |
| | | n260 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41C-n260(2A) | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(2A) | | | | | | | | | | | | | | | |
| CA_n41C-n260(3A) | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(3A) | | | | | | | | | | | | | | | |
| CA_n41C-n260(4A) | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(4A) | | | | | | | | | | | | | | | |
| CA_n41C-n260(5A) | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(5A) | | | | | | | | | | | | | | | |
| CA_n41C-n260(6A) | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(6A) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n41C-n260(7A) | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(7A) | | | | | | | | | | | | | | | |
| CA_n41C-n260(8A) | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(8A) | | | | | | | | | | | | | | | |
| CA_n41C-n260G | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260G | | | | | | | | | | | | | | | |
| CA_n41C-n260H | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260H | | | | | | | | | | | | | | | |
| CA_n41C-n260I | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n41C-n260J | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n41C-n260K | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260K | | | | | | | | | | | | | | | |
| CA_n41C-n260L | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260L | | | | | | | | | | | | | | | |
| CA_n41C-n260M | CA_n41A-n260A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n260 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n41A-n261A | CA_n41A-n261A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41A-n261(2A) | CA_n41A-n261A | n41 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n41C-n261A | CA_n41A-n261A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41(2A)-n261A | CA_n41A-n261A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n41C-n261(2A) | CA_n41A-n261A | n41 | CA_n41C | | | | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n41(2A)-n261(2A) | CA_n41A-n261A | n41 | CA_n41(2A) BCS1 | | | | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n48A-n260A | CA_n48A-n260A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n48A-n260I | CA_n48A-n260A<br>CA_n48A-n260G<br>CA_n48A-n260H<br>CA_n48A-n260I | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n48A-n260J | CA_n48A-n260A<br>CA_n48A-n260G<br>CA_n48A-n260H<br>CA_n48A-n260I | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n48A-n260K | CA_n48A-n260A<br>CA_n48A-n260G<br>CA_n48A-n260H<br>CA_n48A-n260I | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260K | | | | | | | | | | | | | | | |
| CA_n48A-n260L | CA_n48A-n260A<br>CA_n48A-n260G<br>CA_n48A-n260H<br>CA_n48A-n260I | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260L | | | | | | | | | | | | | | | |
| CA_n48A-n260M | CA_n48A-n260A<br>CA_n48A-n260G<br>CA_n48A-n260H<br>CA_n48A-n260I | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n48A-n261A | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | | | | | | | | 50 | | | 80 | 90 | 100 | 200 | 400 | |
| CA_n48A-n261G | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261G | | | | | | | | | | | | | | | |
| CA_n48A-n261H | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261H | | | | | | | | | | | | | | | |
| CA_n48A-n261I | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261I | | | | | | | | | | | | | | | |
| CA_n48A-n261J | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261J | | | | | | | | | | | | | | | |
| CA_n48A-n261K | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261K | | | | | | | | | | | | | | | |
| CA_n48A-n261L | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261L | | | | | | | | | | | | | | | |
| CA_n48A-n261M | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261M | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n48A-n261(2A) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n48A-n261(2G) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(2G) | | | | | | | | | | | | | | | |
| CA_n48A-n261(2I) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(2I) | | | | | | | | | | | | | | | |
| CA_n48A-n261(2H) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(2H) | | | | | | | | | | | | | | | |
| CA_n48A-n261(3A) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(3A) | | | | | | | | | | | | | | | |
| CA_n48A-n261(4A) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(4A) | | | | | | | | | | | | | | | |
| CA_n48A-n261(A-G) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(A-G) | | | | | | | | | | | | | | | |
| CA_n48A-n261(A-H) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(A-H) | | | | | | | | | | | | | | | |
| CA_n48A-n261(A-I) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(A-I) | | | | | | | | | | | | | | | |
| CA_n48A-n261(G-H) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(G-H) | | | | | | | | | | | | | | | |
| CA_n48A-n261(H-I) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(H-I) | | | | | | | | | | | | | | | |
| CA_n48A-n261(G-I) | CA_n48A-n261A | n48 | 5 | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261(G-I) | | | | | | | | | | | | | | | |
| CA_n66A-n258A | CA_n66A-n258A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n66A-n258(2A) | CA_n66A-n258A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n258 | CA_n258(2A) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n66A-n258(3A) | CA_n66A-n258A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n258 | CA_n258(3A) | | | | | | | | | | | | | | | |
| CA_n66A-n258(4A) | CA_n66A-n258A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n258 | CA_n258(4A) | | | | | | | | | | | | | | | |
| CA_n66A-n258(5A) | CA_n66A-n258A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n258 | CA_n258(5A) | | | | | | | | | | | | | | | |
| CA_n66A-n260A | CA_n66A-n260A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260A | | | | | | | | | | | | | | | |
| CA_n66A-n260(2A) | CA_n66A-n260A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260(2A) | | | | | | | | | | | | | | | |
| CA_n66A-n260(3A) | CA_n66A-n260A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260(3A) | | | | | | | | | | | | | | | |
| CA_n66A-n260(4A) | CA_n66A-n260A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260(4A) | | | | | | | | | | | | | | | |
| CA_n66A-n260(5A) | CA_n66A-n260A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260(5A) | | | | | | | | | | | | | | | |
| CA_n66A-n260(6A) | CA_n66A-n260A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260(6A) | | | | | | | | | | | | | | | |
| CA_n66A-n260(7A) | CA_n66A-n260A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260(7A) | | | | | | | | | | | | | | | |
| CA_n66A-n260(8A) | CA_n66A-n260A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260(8A) | | | | | | | | | | | | | | | |
| CA_n66A-n260G | CA_n66A-n260A<br>CA_n66A-n260G | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260G | | | | | | | | | | | | | | | |
| CA_n66A-n260H | CA_n66A-n260A<br>CA_n66A-n260G<br>CA_n66A-n260H | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260H | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n66A-n260I | CA_n66A-n260A<br>CA_n66A-n260G<br>CA_n66A-n260H<br>CA_n66A-n260I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n66A-n260J | CA_n66A-n260A<br>CA_n66A-n260G<br>CA_n66A-n260H<br>CA_n66A-n260I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n66A-n260K | CA_n66A-n260A<br>CA_n66A-n260G<br>CA_n66A-n260H<br>CA_n66A-n260I<br>CA_n66A-n260K | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260K | | | | | | | | | | | | | | | |
| CA_n66A-n260L | CA_n66A-n260A<br>CA_n66A-n260G<br>CA_n66A-n260H<br>CA_n66A-n260I<br>CA_n66A-n260K<br>CA_n66A-n260L | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260L | | | | | | | | | | | | | | | |
| CA_n66A-n260M | CA_n66A-n260A<br>CA_n66A-n260G<br>CA_n66A-n260H<br>CA_n66A-n260I<br>CA_n66A-n260K<br>CA_n66A-n260L<br>CA_n66A-n260M | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n260 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n66A-n261A | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n66A-n261(2A) | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n66A-n261(3A) | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(3A) | | | | | | | | | | | | | | | |
| CA_n66A-n261(4A) | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n261 | CA_n261(4A) | | | | | | | | | | | | | | | |
| CA_n66A-n261G | CA_n66A-n261A<br>CA_n66A_n261G | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261G | | | | | | | | | | | | | | | |
| CA_n66A-n261H | CA_n66A-n261A<br>CA_n66A_n261G<br>CA_n66A_n261H | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261H | | | | | | | | | | | | | | | |
| CA_n66A-n261I | CA_n66A-n261A<br>CA_n66A_n261G<br>CA_n66A_n261H<br>CA_n66A_n261 | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261 | | | | | | | | | | | | | | | |
| CA_n66A-n261J | CA_n66A-n261A<br>CA_n66A_n261G<br>CA_n66A_n261H<br>CA_n66A_n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261J | | | | | | | | | | | | | | | |
| CA_n66A-n261K | CA_n66A-n261A<br>CA_n66A_n261G<br>CA_n66A_n261H<br>CA_n66A_n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261K | | | | | | | | | | | | | | | |
| CA_n66A-n261L | CA_n66A-n261A<br>CA_n66A_n261G<br>CA_n66A_n261H<br>CA_n66A_n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261L | | | | | | | | | | | | | | | |
| CA_n66A-n261M | CA_n66A-n261A<br>CA_n66A_n261G<br>CA_n66A_n261H<br>CA_n66A_n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261M | | | | | | | | | | | | | | | |
| CA_n66A-n261O | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261O | | | | | | | | | | | | | | | |
| CA_n66A-n261P | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261P | | | | | | | | | | | | | | | |
| CA_n66A-n261Q | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261Q | | | | | | | | | | | | | | | |
| CA_n66A-n261(2G) | CA_n66A-n261A<br>CA_n66A-n261G | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n261 | CA_n261(2G) | | | | | | | | | | | | | | | |
| CA_n66A-n261(2H) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(2H) | | | | | | | | | | | | | | | |
| CA_n66A-n261(2I) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(2I) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-G) | CA_n66A-n261A<br>CA_n66A-n261G | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-H) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(A-H) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-I) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(A-I) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-J) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | NR CA_n261(A-J) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-K) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(A-K) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-L) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(A-L) | | | | | | | | | | | | | | | |
| CA_n66A-n261(G-H) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(G-H) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n66A-n261(H-I) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(H-I) | | | | | | | | | | | | | | | |
| CA_n66A-n261(G-I) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(G-I) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-G-H) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G-H) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-G-I) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(A-G-I) | | | | | | | | | | | | | | | |
| CA_n66A-n261(2A-H) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(2A-H) | | | | | | | | | | | | | | | |
| CA_n66A-n261(2A-G) | CA_n66A-n261A<br>CA_n66A-n261G | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(2A-G) | | | | | | | | | | | | | | | |
| CA_n66A-n261(2A-I) | CA_n66A-n261A<br>CA_n66A-n261G<br>CA_n66A-n261H<br>CA_n66A-n261I | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(2A-I) | | | | | | | | | | | | | | | |
| CA_n66A-n261(A-2G) | CA_n66A-n261A<br>CA_n66A-n261G | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261(A-2G) | | | | | | | | | | | | | | | |
| CA_n66A-n261O | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261O | | | | | | | | | | | | | | | |
| CA_n66A-n261P | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261P | | | | | | | | | | | | | | | |
| CA_n66A-n261Q | CA_n66A-n261A | n66 | 5 | 10 | 15 | 20 | | | 40 | | | | | | | | | 0 |
| | | n261 | CA_n261Q | | | | | | | | | | | | | | | |
| CA_n71A-n257A | - | n71 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n71A-n260A | - | n71 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n71A-n260(2A) | - | n71 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(2A) | | | | | | | | | | | | | | | |
| CA_n71A-n260(3A) | - | n71 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(3A) | | | | | | | | | | | | | | | |
| CA_n71A-n260(4A) | - | n71 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n260 | CA_n260(4A) | | | | | | | | | | | | | | | |
| CA_n71A-n261A | - | n71 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n71A-n261(2A) | - | n71 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n77A-n257A | CA_n77A-n257A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n77A-n257D | CA_n77A-n257A<br>CA_n77A-n257D | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n77A-n257E | CA_n77A-n257A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257E | | | | | | | | | | | | | | | |
| CA_n77A-n257F | CA_n77A-n257A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257F | | | | | | | | | | | | | | | |
| CA_n77A-n257G | CA_n257G<br>CA_n77A-n257A<br>CA_n77A-n257G | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257G | | | | | | | | | | | | | | | |
| CA_n77A-n257H | CA_n257G<br>CA_n257H<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257H | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n77A-n257I | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257I | | | | | | | | | | | | | | | |
| CA_n77A-n257J | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n257J<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n77A-n257J | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257J | | | | | | | | | | | | | | | |
| CA_n77A-n257K | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n257J<br>CA_n257K<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n77A-n257J<br>CA_n77A-n257K | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257K | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n77A-n257L | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n257J<br>CA_n257K<br>CA_n257L<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I,<br>CA_n77A-n257J<br>CA_n77A-n257K<br>CA_n77A-n257L | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257L | | | | | | | | | | | | | | | |
| CA_n77A-n257M | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n257J<br>CA_n257K<br>CA_n257L<br>CA_n257M<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n77A-n257J<br>CA_n77A-n257K<br>CA_n77A-n257L<br>CA_n77A-n257M | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257M | | | | | | | | | | | | | | | |
| CA_n77C-n257A | CA_n77A-n257A | n77 | CA_n77C | | | | | | | | | | | | | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n77C-n257D | CA_n77A-n257A | n77 | CA_n77C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n77C-n257E | CA_n77A-n257A | n77 | CA_n77C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257E | | | | | | | | | | | | | | | |
| CA_n77C-n257F | CA_n77A-n257A | n77 | CA_n77C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257F | | | | | | | | | | | | | | | |
| CA_n77(2A)-n257A | CA_n77A-n257A | n77 | CA_n77(2A) | | | | | | | | | | | | | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n77(2A)-n257D | CA_n77A-n257A<br>CA_n77A-n257D | n77 | CA_n77(2A) | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n77(2A)-n257G | CA_n77A-n257A<br>CA_n77A-n257G | n77 | CA_n77(2A) | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257G | | | | | | | | | | | | | | | |
| CA_n77(2A)-n257H | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H | n77 | CA_n77(2A) | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257H | | | | | | | | | | | | | | | |
| CA_n77(2A)-n257I | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I | n77 | CA_n77(2A) | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257I | | | | | | | | | | | | | | | |
| CA_n77(2A)-n257J | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n77A-n257J | n77 | CA_n77(2A) | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257J | | | | | | | | | | | | | | | |
| CA_n77(2A)-n257K | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n77A-n257J<br>CA_n77A-n257K | n77 | CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257K | | | | | | | | | | | | | | | |
| CA_n77(2A)-n257L | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n77A-n257J<br>CA_n77A-n257K<br>CA_n77A-n257L | n77 | CA_n77(2A) | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257L | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n77(2A)-n257M | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n77A-n257J<br>CA_n77A-n257K<br>CA_n77A-n257L<br>CA_n77A-n257M | n77 | CA_n77(2A) | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257M | | | | | | | | | | | | | | | |
| CA_n77A-n258A | - | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n77A-n260A | CA_n77A-n260A | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | 0 |
| | | n260 | | | | | | | | | | | | | 100 | 200 | 400 | |
| CA_n77A-n260G | CA_n77A-n260A<br>CA_n77A-n260G | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260G | | | | | | | | | | | | | | | |
| CA_n77A-n260H | CA_n77A-n260A<br>CA_n77A-n260G<br>CA_n77A-n260H | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260H | | | | | | | | | | | | | | | |
| CA_n77A-n260I | CA_n77A-n260A<br>CA_n77A-n260G<br>CA_n77A-n260H<br>CA_n77A-n260I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260I | | | | | | | | | | | | | | | |
| CA_n77A-n260J | CA_n77A-n260A<br>CA_n77A-n260G<br>CA_n77A-n260H<br>CA_n77A-n260I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260J | | | | | | | | | | | | | | | |
| CA_n77A-n260K | CA_n77A-n260A<br>CA_n77A-n260G<br>CA_n77A-n260H<br>CA_n77A-n260I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260K | | | | | | | | | | | | | | | |
| CA_n77A-n260L | CA_n77A-n260A<br>CA_n77A-n260G<br>CA_n77A-n260H<br>CA_n77A-n260I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260L | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n77A-n260M | CA_n77A-n260A<br>CA_n77A-n260G<br>CA_n77A-n260H<br>CA_n77A-n260I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | 0 |
| | | n260 | CA_n260M | | | | | | | | | | | | | | | |
| CA_n77A-n261A | CA_n77A-n261A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | | | 0 |
| | | n261 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n77A-n261D | CA_n77A-n261A<br>CA_n77A-n261D | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261D | | | | | | | | | | | | | | | |
| CA_n77A-n261G | CA_n77A-n261A<br>CA_n77A-n261G | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261G | | | | | | | | | | | | | | | |
| CA_n77A-n261H | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261H | | | | | | | | | | | | | | | |
| CA_n77A-n261I | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | | | 0 |
| | | n261 | CA_n261I | | | | | | | | | | | | | | | |
| CA_n77A-n261J | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I<br>CA_n77A-n261J | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261J | | | | | | | | | | | | | | | |
| CA_n77A-n261K | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I<br>CA_n77A-n261J<br>CA_n77A-n261K | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261K | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n77A-n261L | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I<br>CA_n77A-n261J<br>CA_n77A-n261K<br>CA_n77A-n261L | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261L | | | | | | | | | | | | | | | |
| CA_n77A-n261M | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I<br>CA_n77A-n261J<br>CA_n77A-n261K<br>CA_n77A-n261L<br>CA_n77A-n261M | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261M | | | | | | | | | | | | | | | |
| CA_n77A-n261(2A) | CA_n77A-n261A | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(2A) | | | | | | | | | | | | | | | |
| CA_n77A-n261(2G) | CA_n77A-n261A<br>CA_n77A-n261G | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(2G) | | | | | | | | | | | | | | | |
| CA_n77A-n261(2H) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(2H) | | | | | | | | | | | | | | | |
| CA_n77A-n261(2I) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(2I) | | | | | | | | | | | | | | | |
| CA_n77A-n261(3A) | CA_n77A-n261A | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(3A) | | | | | | | | | | | | | | | |
| CA_n77A-n261(4A) | CA_n77A-n261A | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(4A) | | | | | | | | | | | | | | | |
| CA_n77A-n261(A-G) | CA_n77A-n261A<br>CA_n77A-n261G | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(A-G) | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n77A-n261(A-H) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(A-H) | | | | | | | | | | | | | | | |
| CA_n77A-n261(A-I) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(A-I) | | | | | | | | | | | | | | | |
| CA_n77A-n261(G-H) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(G-H) | | | | | | | | | | | | | | | |
| CA_n77A-n261(G-I) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(G-I) | | | | | | | | | | | | | | | |
| CA_n77A-n261(H-I) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70[1] | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(H-I) | | | | | | | | | | | | | | | |
| CA_n77A-n261(A-J) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(A-J) | | | | | | | | | | | | | | | |
| CA_n77A-n261(A-K) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(A-K) | | | | | | | | | | | | | | | |
| CA_n77A-n261(A-L) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(A-L) | | | | | | | | | | | | | | | |
| CA_n77A-n261(A-G-H) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n261 | CA_n261(A-G-H) | | | | | | | | | | | | | | | |
| CA_n77A-n261(A-G-I) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(A-G-I) | | | | | | | | | | | | | | | |
| CA_n77A-n261(2A-H) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(2A-H) | | | | | | | | | | | | | | | |
| CA_n77A-n261(2A-G) | CA_n77A-n261A<br>CA_n77A-n261G | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(2A-G) | | | | | | | | | | | | | | | |
| CA_n77A-n261(2A-I) | CA_n77A-n261A<br>CA_n77A-n261G<br>CA_n77A-n261H<br>CA_n77A-n261I | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(2A-I) | | | | | | | | | | | | | | | |
| CA_n77A-n261(A-2G) | CA_n77A-n261A<br>CA_n77A-n261G | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | | 0 |
| | | n261 | CA_n261(A-2G) | | | | | | | | | | | | | | | |
| CA_n78A-n257A | CA_n78A-n257A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n78A-n257D | CA_n78A-n257A<br>CA_n78A-n257D | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n78A-n257E | CA_n78A-n257A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257E | | | | | | | | | | | | | | | |
| CA_n78A-n257F | CA_n78A-n257A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257F | | | | | | | | | | | | | | | |
| CA_n78C-n257A | CA_n78A-n257A | n78 | CA_n78C | | | | | | | | | | | | | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n78C-n257D | CA_n78A-n257A | n78 | CA_n78C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n78C-n257E | CA_n78A-n257A | n78 | CA_n78C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257E | | | | | | | | | | | | | | | |
| CA_n78C-n257F | CA_n78A-n257A | n78 | CA_n78C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257F | | | | | | | | | | | | | | | |
| CA_n78A-n257G | CA_n257G<br>CA_n78A-n257A<br>CA_n78A-n257G | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n257 | CA_n257G | | | | | | | | | | | | | | | |
| CA_n78A-n257H | CA_n257G<br>CA_n257H<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257H | | | | | | | | | | | | | | | |
| CA_n78A-n257I | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H<br>CA_n78A-n257I | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257I | | | | | | | | | | | | | | | |
| CA_n78A-n257J | CA_n78A-n257A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257J | | | | | | | | | | | | | | | |
| CA_n78A-n257K | CA_n78A-n257A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257K | | | | | | | | | | | | | | | |
| CA_n78A-n257L | CA_n78A-n257A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257L | | | | | | | | | | | | | | | |
| CA_n78A-n257M | CA_n78A-n257A | n78 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n257 | CA_n257M | | | | | | | | | | | | | | | |
| CA_n78A-n258A | CA_n78A-n258A | n78 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n78A-n258D | CA_n78A-n258A | n78 | | 10 | 15 | 20 | | | 70 | 80 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258D | | | | | | | | | | | | | | | |
| CA_n78A-n258E | CA_n78A-n258A | n78 | | 10 | 15 | 20 | | | 70 | 80 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258E | | | | | | | | | | | | | | | |
| CA_n78A-n258F | CA_n78A-n258A | n78 | | 10 | 15 | 20 | | | 70 | 80 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258F | | | | | | | | | | | | | | | |
| CA_n78A-n258G | CA_n78A-n258A<br>CA_n78A-n258G | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258G | | | | | | | | | | | | | | | |
| CA_n78A-n258H | CA_n78A-n258A<br>CA_n78A-n258G<br>CA_n78A-n258H | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n258 | CA_n258H | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n78A-n258I | CA_n78A-n258A<br>CA_n78A-n258G<br>CA_n78A-n258H<br>CA_n78A-n258I | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258I | | | | | | | | | | | | | | | |
| CA_n78A-n258J | CA_n78A-n258A<br>CA_n78A-n258G<br>CA_n78A-n258H<br>CA_n78A-n258I<br>CA_n78A-n258J | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258J | | | | | | | | | | | | | | | |
| CA_n78A-n258K | CA_n78A-n258A<br>CA_n78A-n258G<br>CA_n78A-n258H<br>CA_n78A-n258I<br>CA_n78A-n258J<br>CA_n78A-n258K | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258K | | | | | | | | | | | | | | | |
| CA_n78A-n258L | CA_n78A-n258A<br>CA_n78A-n258G<br>CA_n78A-n258H<br>CA_n78A-n258I<br>CA_n78A-n258J<br>CA_n78A-n258K<br>CA_n78A-n258L | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258L | | | | | | | | | | | | | | | |
| CA_n78A-n258M | CA_n78A-n258A<br>CA_n78A-n258G<br>CA_n78A-n258H<br>CA_n78A-n258I<br>CA_n78A-n258J<br>CA_n78A-n258K<br>CA_n78A-n258L<br>CA_n78A-n258M | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n258 | CA_n258M | | | | | | | | | | | | | | | |
| CA_n79A-n257A | CA_n79A-n257A | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n79A-n257D | CA_n79A-n257A | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n79A-n257E | CA_n79A-n257A | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257E | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n79A-n257F | CA_n79A-n257A | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257F | | | | | | | | | | | | | | | |
| CA_n79A-n257G | CA_n257G<br>CA_n79A-n257A,<br>CA_n79A-n257G | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257G | | | | | | | | | | | | | | | |
| CA_n79A-n257H | CA_n257G<br>CA_n257H<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257H | | | | | | | | | | | | | | | |
| CA_n79A-n257I | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H<br>CA_n79A-n257I | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n257 | CA_n257I | | | | | | | | | | | | | | | |
| CA_n79C-n257A | CA_n79A-n257A | n79 | CA_n79C | | | | | | | | | | | | | | | 0 |
| | | n257 | | | | | | | | Yes | | | | | 100 | 200 | 400 | |
| CA_n79C-n257D | CA_n79A-n257A | n79 | CA_n79C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257D | | | | | | | | | | | | | | | |
| CA_n79C-n257E | CA_n79A-n257A | n79 | CA_n79C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257E | | | | | | | | | | | | | | | |
| CA_n79C-n257F | CA_n79A-n257A | n79 | CA_n79C | | | | | | | | | | | | | | | 0 |
| | | n257 | CA_n257F | | | | | | | | | | | | | | | |
| CA_n79A-n258A | - | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | 0 |
| | | n258 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |

NOTE 1: This UE channel bandwidth is optional in this release of the specification. (From Table 5.3.5-1 of 38.101-1)
NOTE 2: The CA configurations are given in Table 5.5A.1-1 of either TS 38.101-1 or TS 38.101-2 where unless otherwise stated BCS0 is referred to.
NOTE 3: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively.
NOTE 4: This UE channel bandwidth is optional in this release of the specification.
NOTE 5: For this bandwidth, the minimum requirements are restricted to operation when carrier is configured as a SCell part of DC or CA configuration (In Table 5.3.5-1 in 38.101-1).
NOTE 6: For this bandwidth, the minimum requirements are restricted to operation when carrier is configured as a downlink SCell part of CA configuration (In Table 5.3.5-1 in 38.101-1).

**Table 5.5A.1-2: Inter-band CA configurations and bandwidth combination sets between FR1 and FR2 (three bands)**

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n1A-n40A-n258A | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | 200 | 400 | |
| CA_n1A-n40A-n258D | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258D | | | | | | | | | | | | | | | |
| CA_n1A-n40A-n258E | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258E | | | | | | | | | | | | | | | |
| CA_n1A-n40A-n258F | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258F | | | | | | | | | | | | | | | |
| CA_n1A-n40A-n258G | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258G | | | | | | | | | | | | | | | |
| CA_n1A-n40A-n258H | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258H | | | | | | | | | | | | | | | |
| CA_n1A-n40A-n258I | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258I | | | | | | | | | | | | | | | |
| CA_n1A-n40A-n258J | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258J | | | | | | | | | | | | | | | |
| CA_n1A-n40A-n258K | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258K | | | | | | | | | | | | | | | |
| CA_n1A-n40A-n258L | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258L | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n1A-n40A-n258M | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | |
| | | n258 | CA_258M | | | | | | | | | | | | | | | |
| CA_n1A-n77A-n257A | CA_n1A-n77A<br>CA_n1A-n257A<br>CA_n77A-n257A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n1A-n77A-n257G | CA_n257G<br>CA_n1A-n77A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n77A-n257A<br>CA_n77A-n257G | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n77A-n257H | CA_n257G<br>CA_n257H<br>CA_n1A-n77A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H | n1 | 50 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n77A-n257I | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n1A-n77A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n1A-n257I<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G and n257H in Table 5.5A.1-1 in TS 38.101-2.<br>See CA_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n257A | CA_n1A-n78A<br>CA_n1A-n257A<br>CA_n78A-n257A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n1A-n78A-n257G | CA_n257G<br>CA_n1A-n78A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n78A-n257A<br>CA_n78A-n257G | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G and n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n257H | CA_n257G<br>CA_n257H<br>CA_n1A-n78A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n257I | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n1A-n78A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n1A-n257I<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H<br>CA_n78A-n257I | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n1A-n78A-n258A | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | 400 | |
| | | n258 | | | | | | | | 50 | | | | | | 200 | 400 | |
| CA_n1A-n78A-n258D | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258D | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n258E | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258E | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n258F | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258F | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n258G | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258G | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n258H | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258H | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n258I | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258I | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n258J | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258J | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n258K | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258K | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n258L | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258L | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n1A-n78A-n258M | - | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258M | | | | | | | | | | | | | | | |
| CA_n1A-n79A-n257A | CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n79A-n257A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | | | | | | | 40 | 50 | 60 | | | | 100 | | | |
| CA_n1A-n79A-n257G | CA_n257G<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n79A-n257A<br>CA_n79A-n257G | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n79A-n257H | CA_n257G<br>CA_n257H<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n79A-n257I | CA_n257G<br>CA_n257H<br>CA_n257I<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n1A-n257I<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H<br>CA_n79A-n257I | n1 | 5 | 10 | 15 | 50 | | | | | | | | | | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n257 | See CA_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n257A | CA_n3A-n28A<br>CA_n3A-n257A<br>CA_n28A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n3A-n28A-n257D | CA_n3A-n28A<br>CA_n3A-n257A<br>CA_n3A-n257D<br>CA_n28A-n257A<br>CA_n28A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n257 | See CA_n257D BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n257G | CA_n3A-n28A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n28A-n257A<br>CA_n28A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n257 | See CA_n257G BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n257H | CA_n3A-n28A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n257 | See CA_n257H BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n257I | CA_n3A-n28A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n3A-n257I<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H<br>CA_n28A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n257 | See CA_n257I BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n3A-n77A-n257A | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n77A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n3A-n77A-n257D | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n3A-n257D<br>CA_n77A-n257A<br>CA_n77A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257D in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n77A-n257G | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n77A-n257A<br>CA_n77A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n77A-n257H | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n77A-n257I | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n3A-n257I<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n3A-n77(2A)-n257A | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n77A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) Bandwidth Combination Set 0 | | | | | | | | | | | | | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n3A-n77(2A)-n257D | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n3A-n257D<br>CA_n77A-n257A<br>CA_n77A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257D in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n77(2A)-n257G | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n3A-n257D<br>CA_n3A-n257G<br>CA_n77A-n257A<br>CA_n77A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n77(2A)-n257H | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n77(2A)-n257I | CA_n3A-n77A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n3A-n257I<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n3A-n78A-n257A | CA_n3A-n78A<br>CA_n3A-n257A<br>CA_n78A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n3A-n78A-n257D | CA_n3A-n78A<br>CA_n3A-n257A<br>CA_n3A-n257D<br>CA_n78A-n257A<br>CA_n78A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257D in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n78A-n257G | CA_n3A-n78A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n78A-n257A<br>CA_n78A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n78A-n257H | CA_n3A-n78A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n78A-n257I | CA_n3A-n78A<br>CA_n3A-n257A<br>CA_n3A-n257G<br>CA_n3A-n257H<br>CA_n3A-n257I<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H<br>CA_n78A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n28A-n77A-n257A | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n77A-n257A | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257D in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n77A-n257G | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n77A-n257A<br>CA_n77A-n257G | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n77A-n257H | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n77A-n257I | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H<br>CA_n28A-n257I<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n77(2A)-n257A | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n77A-n257A | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n28A-n77(2A)-n257D | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n28A-n257D<br>CA_n77A-n257A<br>CA_n77A-n257D | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257D in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n77(2A)-n257G | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n77A-n257A<br>CA_n77A-n257G | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n77(2A)-n257H | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n77(2A)-n257I | CA_n28A-n77A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H<br>CA_n28A-n257I<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | See CA_n77(2A) in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-2 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n78A-n257A | CA_n28A-n78A,<br>CA_n28A-n257A,<br>CA_n78A-n257A | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n28A-n78A-n257D | CA_n28A-n78A<br>CA_n28A-n257A<br>CA_n28A-n257D<br>CA_n78A-n257A<br>CA_n78A-n257D | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257D in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n78A-n257G | CA_n28A-n78A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n78A-n257A<br>CA_n78A-n257G | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n78A-n257H | CA_n28A-n78A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n28A-n78A-n257I | CA_n28A-n78A<br>CA_n28A-n257A<br>CA_n28A-n257G<br>CA_n28A-n257H<br>CA_n28A-n257I<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H<br>CA_n78A-n257I | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258A | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | 400 | |
| CA_n40A-n78A-n258D | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n258 | CA_258D | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258E | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258E | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258F | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258F | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258G | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258G | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258H | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258H | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258I | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258I | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258J | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258J | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258K | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258K | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258L | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258L | | | | | | | | | | | | | | | |
| CA_n40A-n78A-n258M | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | | | | 100 | | | 0 |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | | 90 | 100 | 200 | | |
| | | n258 | CA_258M | | | | | | | | | | | | | | | |
| CA_n77A-n79A-n257A | CA_n77A-n79A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n77A-n79A-n257G | CA_n257G CA_n77A-n79A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n77A-n79A-n257H | CA_n257G CA_n257H CA_n77A-n79A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G and CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n77A-n79A-n257I | CA_n257G CA_n257H CA_n257I CA_n77A-n79A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G, n257H, and n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n78A-n79A-n257A | CA_n78A-n79A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n78A-n79A-n257G | CA_n257G CA_n78A-n79A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n78A-n79A-n257H | CA_n257G CA_n257H CA_n78A-n79A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G and CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n78A-n79A-n257I | CA_n257G CA_n257H CA_n257I CA_n78A-n79A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G, CA_n257H, and CA_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n77A-n79A-n257A | CA_n77A-n257A CA_n79A-n257A | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n77A-n79A-n257G | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n79A-n257A<br>CA_n79A-n257G | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n77A-n79A-n257H | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G and n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n77A-n79A-n257I | CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H<br>CA_n79A-n257I | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257G, n257H, and n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n78A-n79A-n257A | CA_n78A-n257A<br>CA_n79A-n257A | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | | | | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n78A-n79A-n257G | CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n79A-n257A<br>CA_n79A-n257G | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n78A-n79A-n257H | CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| | | n257 | See CA_n257G and n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n78A-n79A-n257I | CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H<br>CA_n78A-n257I<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H<br>CA_n79A-n257I | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | 0 |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G, n257H, and n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| NOTE 1: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively. | | | | | | | | | | | | | | | | | | |

**Table 5.5A.1-3: Inter-band CA configurations and bandwidth combination sets between FR1 and FR2 (four bands)**

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n1A-n77A-n79A-n257A | CA_n1A-n77A<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n77A-n79A<br>CA_n77A-n257A<br>CA_n79A-n257A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | | | | | | | | 80 | | | | | 100 | 200 | 400 | |
| CA_n1A-n77A-n79A-n257G | CA_n1A-n77A<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n77A-n79A<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n79A-n257A<br>CA_n79A-n257G | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n77A-n79A-n257H | CA_n1A-n77A<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n77A-n79A<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| CA_n1A-n77A-n79A-n257I | CA_n1A-n77A<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n1A-n257I<br>CA_n77A-n79A<br>CA_n77A-n257A<br>CA_n77A-n257G<br>CA_n77A-n257H<br>CA_n77A-n257I<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H<br>CA_n79A-n257I | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n77 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n79A-n257A | CA_n1A-n78A<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n78A-n79A<br>CA_n78A-n257A<br>CA_n79A-n257A | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | | | | | | | | 80 | | | | | 100 | 200 | 400 | |
| CA_n1A-n78A-n79A-n257G | CA_n1A-n78A<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n78A-n79A<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n79A-n257A<br>CA_n79A-n257G | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257G in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n1A-n78A-n79A-n257H | CA_n1A-n78A<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n78A-n79A<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257H in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n1A-n78A-n79A-n257I | CA_n1A-n78A<br>CA_n1A-n79A<br>CA_n1A-n257A<br>CA_n1A-n257G<br>CA_n1A-n257H<br>CA_n1A-n257I<br>CA_n78A-n79A<br>CA_n78A-n257A<br>CA_n78A-n257G<br>CA_n78A-n257H<br>CA_n78A-n257I<br>CA_n79A-n257A<br>CA_n79A-n257G<br>CA_n79A-n257H<br>CA_n79A-n257I | n1 | 5 | 10 | 15 | 20 | | | | | | | | | | | | 0 |
| | | n78 | | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | |
| | | n79 | | | | | | | 40 | 50 | 60 | | 80 | | 100 | | | |
| | | n257 | See CA_n257I in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n77A-n257A | CA_n3A-n257A<br>CA_n28A-n257A<br>CA_n77A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n3A-n28A-n77A-n257D | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257D BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n77A-n257G | CA_n3A-n257A<br>CA_n28A-n257A<br>CA_n77A-n257A<br>CA_n3A-n257G<br>CA_n28A-n257G<br>CA_n77A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n77A-n257H | CA_n3A-n257A<br>CA_n28A-n257A<br>CA_n77A-n257A<br>CA_n3A-n257G<br>CA_n28A-n257G<br>CA_n77A-n257G<br>CA_n3A-n257H<br>CA_n28A-n257H<br>CA_n77A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257H BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n77A-n257I | CA_n3A-n257A<br>CA_n28A-n257A<br>CA_n77A-n257A<br>CA_n3A-n257G<br>CA_n28A-n257G<br>CA_n77A-n257G<br>CA_n3A-n257H<br>CA_n28A-n257H<br>CA_n77A-n257H<br>CA_n3A-n257I<br>CA_n28A-n257I<br>CA_n77A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257I BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 | |
| CA_n3A-n28A-n77(2A)-n257A | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | See CA_n77(2A) BCS0 in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n3A-n28A-n77(2A)-n257D | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | See CA_n77(2A) BCS0 in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257D BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n77(2A)-n257G | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | See CA_n77(2A) BCS0 in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257G BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n77(2A)-n257H | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | See CA_n77(2A) BCS0 in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257H BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n77(2A)-n257I | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n77 | See CA_n77(2A) BCS0 in Table 5.5A.2-1 in TS 38.101-1 | | | | | | | | | | | | | | | |
| | | n257 | See CA_n257I BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n78A-n257A | CA_n28A-n257A<br>CA_n78A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | | | | | | | | 50 | | | | | 100 | 200 | 400 | |
| CA_n3A-n28A-n78A-n257D | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257D BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n78A-n257G | CA_n3A-n257A<br>CA_n28A-n257A<br>CA_n78A-n257A<br>CA_n3A-n257G<br>CA_n28A-n257G<br>CA_n78A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **5** | **10** | **15** | **20** | **25** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **200** | **400** | |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257G BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n78A-n257H | CA_n3A-n257A<br>CA_n28A-n257A<br>CA_n78A-n257A<br>CA_n3A-n257G<br>CA_n28A-n257G<br>CA_n78A-n257G<br>CA_n3A-n257H<br>CA_n28A-n257H<br>CA_n78A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257H BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| CA_n3A-n28A-n78A-n257I | CA_n3A-n257A<br>CA_n28A-n257A<br>CA_n78A-n257A<br>CA_n3A-n257G<br>CA_n28A-n257G<br>CA_n78A-n257G<br>CA_n3A-n257H<br>CA_n28A-n257H<br>CA_n78A-n257H<br>CA_n3A-n257I<br>CA_n28A-n257I<br>CA_n78A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 | | | | | | | | | | 0 |
| | | n28 | 5 | 10 | 15 | 20 | | | | | | | | | | | | |
| | | n78 | | 10 | 15 | 20 | | | 40 | 50 | 60 | | 80 | 90 | 100 | | | |
| | | n257 | See CA_n257I BCS0 in Table 5.5A.1-1 in TS 38.101-2 | | | | | | | | | | | | | | | |
| NOTE 1: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively. | | | | | | | | | | | | | | | | | | |

# 5.5B Configuration for DC

## 5.5B.1 General

The operating bands and bandwidth classes are specified for operation with EN-DC, NGEN-DC, NE-DC or NR-DC configured. The EN-DC, NGEN-DC or NE-DC band combinations include at least one E-UTRA operating band.

For EN-DC or NE-DC configurations indicated by column "Single Uplink allowed" (e.g., problematic band combinations as defined in TS 38.306 [11]) in tables in this clause the UE may indicate capability of not supporting simultaneous dual and triple uplink operation due to possible intermodulation interference to its own primary downlink channel bandwidth of PCell or PSCell if the intermodulation order is 2 or if the intermodulation order is 3 for the combinations when both operating bands are between 450 MHz – 960 MHz or between 1427 MHz – 2690 MHz. When LTE and NR transmissions collide, simultaneous dual transmissions may not be supported by UE for these EN-DC band combinations for which only single switched UL is supported.

In the case for EN-DC or NE-DC configurations listed in tables in this clause for which the intermodulation products caused by the dual and triple uplink operation fall into the receive band but do not interfere with its own primary downlink channel bandwidth of PCell or PSCell as defined in Annex I the UE is mandated to operate in dual and triple uplink mode. Single Uplink is also allowed for certain band combinations where intermodulation or reverse intermodulation products could create difficulty for meeting emission requirementsFor EN-DC combinations of order 3 or higher, "Single Uplink allowed" UL configurations captured in Table 5.5B.2-1, Table 5.5B.3-1, and Table 5.5B.4-1 apply.

If multiple UL DC configurations are listed for multiple DL DC configurations, valid uplink configurations are such that uplink does not have more carriers than downlink.

The configurations for operating bands for DC including Band n41 also apply for the corresponding operating bands for DC with Band n90 replacing Band n41 but with otherwise identical parameters. For brevity the said configuration for operating bands for DC with Band n90 are not listed in the tables below but are covered by this specification.

Non contiguous resource allocation and almost contiguous allocation are not applicable for E UTRA or NR carrier part of intra band EN DC configuration.

## 5.5B.2 Intra-band contiguous EN-DC

**Table 5.5B.2-1: Intra-band contiguous EN-DC configurations**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed |
|---|---|---|
| DC_(n)5AA | DC_(n)5AA[6] | Yes[6] |
| DC_(n)12AA | DC_(n)12AA[6] | Yes[6] |
| DC_(n)38AA[5] | DC_(n)38AA[6] | Yes[6] |
| DC_(n)41AA[5]<br>DC_(n)41AB[5]<br>DC_(n)41CA[5]<br>DC_(n)41DA[5] | DC_(n)41AA | Yes[3] |
| DC_(n)41AB[5]<br>DC_(n)41CA[5]<br>DC_(n)41DA[5] | DC_41A_n41A | Yes[3] |
| DC_(n)48AA[5] | DC_(n)48AA[6] | Yes[6] |
| DC_(n)48CA[5] | DC_(n)48AA[6]<br>DC_48A_n48A[6] | Yes[6] |
| DC_(n)48DA[5] | DC_(n)48AA[6]<br>DC_48A_n48A[6] | Yes[6] |
| DC_(n)71AA[2] | DC_(n)71AA | No[4] |

NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.
NOTE 2: Requirements in this specification apply for NR SCS of 15 kHz only.
NOTE 3: Single UL allowed due to potential emission issues, not self-interference.
NOTE 4: For UE(s) supporting dynamic power sharing it is mandatory to do dual simultaneous UL. For UE(s) not supporting dynamic power sharing single UL is allowed.
NOTE 5: The minimum requirements only apply for non-simultaneous Tx/Rx between all carriers.
NOTE 6: Only single switched UL is supported

## 5.5B.3 Intra-band non-contiguous EN-DC

**Table 5.5B.3-1: Intra-band non-contiguous EN-DC configurations**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed |
|---|---|---|
| DC_2A_n2A | DC_2A_n2A[5] | Yes[5] |
| DC_3A_n3A | DC_3A_n3A[2] | Yes[2] |
| DC_5A_n5A | DC_5A_n5A[5] | Yes[5] |
| DC_7A_n7A[6] | DC_7A_n7A[5] | Yes[5] |
| DC_41A_n41A[3]<br>DC_41C_n41A[3]<br>DC_41D_n41A[3] | DC_41A_n41A | Yes[4] |
| DC_48A_n48A[3] | DC_48A_n48A[5] | Yes[5] |
| DC_48A_(n)48AA[3] | DC_(n)48AA[5]<br>DC_48A_n48A[5] | Yes[5] |
| DC_48A-48A_n48A[3] | DC_48A_n48A[5] | Yes[5] |
| DC_48C_n48A[3] | DC_48A_n48A[5] | Yes[5] |
| DC_48D_n48A[3] | DC_48A_n48A[5] | Yes[5] |
| DC_66A_n66A | DC_66A_n66A[5] | Yes[5] |
| DC_71A_n71A[3] | DC_71A_n71A[5] | Yes[5] |

NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.
NOTE 2: Only single switched UL is supported in Rel.15
NOTE 3: The minimum requirements only apply for non-simultaneous Tx/Rx between all carriers.
NOTE 4: Single UL allowed due to potential emission issues, not self-interference.
NOTE 5: Only single switched UL is supported.
NOTE 6: Requirements in this specification apply for NR SCS of 15 kHz only.

## 5.5B.4 Inter-band EN-DC within FR1

### 5.5B.4.1 Inter-band EN-DC configurations within FR1 (two bands)

**Table 5.5B.4.1-1: Inter-band EN-DC configurations within FR1 (two bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed | DL interruption allowed (Note 14) |
|---|---|---|---|
| DC_1A_n3A<br>DC_1C_n3A | DC_1A_n3A<br>DC_1C_n3A | DC_1_n3 | |
| DC_1A_n5A | DC_1A_n5A | No | |
| DC_1A_n7A<br>DC_1A_n7B | DC_1A_n7A | No | |
| DC_1A-1A_n7A<br>DC_1A-1A_n7B | DC_1A_n7A | No | |
| DC_1A_n8A | DC_1A_n8A | No | |
| DC_1A_n20A | DC_1A_n20A | No | |
| DC_1A_n28A | DC_1A_n28A | No | |
| DC_1A-1A_n28A | DC_1A_n28A | No | |
| DC_1A_n38A<br>DC_1C_n38A | DC_1A_n38A | No | |
| DC_1A_n40A<br>DC_1A_n40B | DC_1A_n40A | No | |
| DC_1A_n41A | DC_1A_n41A | No | |
| DC_1A_n50A | DC_1A_n50A | No | |
| DC_1A_n51A | DC_1A_n51A | No | |
| DC_1A_n71A<br>DC_1A_n71B | DC_1A_n71A | No | |
| DC_1A_n77A[7]<br>DC_1A_n77C[7] | DC_1A_n77A | DC_1_n77 | No |
| DC_1A_n77(2A) | DC_1A_n77A | DC_1_n77 | No |
| DC_1A_n78A[7]<br>DC_1A_n78C[7] | DC_1A_n78A | No | No |
| DC_1A_n78(2A)[7]<br>DC_1A-1A_n78A | DC_1A_n78A | No | No |
| DC_1A_n79A[7]<br>DC_1A_n79C[7] | DC_1A_n79A | No | No |
| DC_2A_n5A | DC_2A_n5A | No | |
| DC_2A-2A_n5A | DC_2A_n5A | No | |
| DC_2A_n7A | DC_2A_n7A | No | |
| DC_2A_n7(2A) | DC_2A_n7A | No | |
| DC_2A_n12A | DC_2A_n12A | No | |
| DC_2A_n28A | DC_2A_n28A | No | |
| DC_2A_n38A | DC_2A_n38A | No | |
| DC_2A-2A_n38A | DC_2A_n38A | No | |
| DC_2A_n41A<br>DC_2A_n41C<br>DC_2C_n41A | DC_2A_n41A<br>DC_2C_n41A | No | |
| DC_2A-2A_n41A<br>DC_2A_n41(2A) | DC_2A_n41A | No | |
| DC_2A_n46A | DC_2A_n46A | No | |
| DC_2A_n48A<br>DC_2A_n48B | DC_2A_n48A | No | |
| DC_2A_n66A<br>DC_2A_n66(2A) | DC_2A_n66A | DC_2_n66 | |
| DC_2A-2A_n66A | DC_2A_n66A | DC_2_n66 | |
| DC_2A_n71A<br>DC_2A_n71B<br>DC_2C_n71A | DC_2A_n71A<br>DC_2C_n71A | No | |
| DC_2A-2A_n71A | DC_2A_n71A | No | |
| DC_2A_n77A | DC_2A_n77A | DC_2_n77 | |
| DC_2A-2A_n77A | DC_2A_n77A | DC_2_n77 | |
| DC_2A_n78A | DC_2A_n78A | DC_2_n78 | |
| DC_2A_n78(2A) | DC_2A_n78A | DC_2_n78 | |
| DC_2A-2A_n78A | DC_2A_n78A | DC_2_n78 | |
| DC_3A_n1A<br>DC_3C_n1A | DC_3A_n1A<br>DC_3C_n1A | DC_3_n1 | |
| DC_3A-3A_n1A | DC_3A_n1A | DC_3_n1 | |
| DC_3A_n5A<br>DC_3C_n5A | DC_3A_n5A<br>DC_3C_n5A | DC_3_n5 | |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed | DL interruption allowed (Note 14) |
|---|---|---|---|
| DC_3A_n7A<br>DC_3A_n7B<br>DC_3C_n7A<br>DC_3C_n7B | DC_3A_n7A<br>DC_3A_n7B<br>DC_3C_n7A | No | |
| DC_3A-3A_n7A<br>DC_3A-3A_n7B | DC_3A_n7A | No | |
| DC_3A_n8A | DC_3A_n8A | No | |
| DC_3A_n20A | DC_3A_n20A | No | |
| DC_3A_n28A<br>DC_3C_n28A | DC_3A_n28A<br>DC_3C_n28A | No | |
| DC_3A_n34A | DC_3A_n34A | No | |
| DC_3A_n38A<br>DC_3C_n38A | DC_3A_n38A | No | |
| DC_3A_n40A<br>DC_3A_n40B | DC_3A_n40A | No | |
| DC_3A_n41A<br>DC_3C_n41A | DC_3A_n41A<br>DC_3C_n41A | DC_3_n41 | No |
| DC_3A_n50A | DC_3A_n50A | No | |
| DC_3A_n51A | DC_3A_n51A | No | |
| DC_3A_n77A[7]<br>DC_3A_n77C[7]<br>DC_3C_n77A[7] | DC_3A_n77A<br>DC_3C_n77A | No | |
| DC_3A_n77(2A)[7]<br>DC_3C_n77(2A)[7] | DC_3A_n77A<br>DC_3C_n77A | DC_3_n77 | No |
| DC_3A-3A_n77A | DC_3A_n77A | DC_3_n77 | No |
| DC_3A_n78A[7]<br>DC_3A_n78C[7]<br>DC_3C_n78A[7] | DC_3A_n78A<br>DC_3C_n78A | DC_3_n77 | No |
| DC_3A_n77A[7]<br>DC_3A_n77C[7]<br>DC_3C_n77A[7] | DC_3A_n77A<br>DC_3C_n77A | DC_3_n78 | No |
| DC_3A_n78(2A)[7]<br>DC_3C_n78(2A)[7] | DC_3A_n78A | DC_3_n78 | No |
| DC_3A-3A_n78A | DC_3A_n78A | DC_3_n78 | No |
| DC_3A_n79A[7]<br>DC_3A_n79C[7]<br>DC_3C_n79A[7] | DC_3A_n79A<br>DC_3C_n79A | No | No |
| DC_4A_n2A | DC_4A_n2A | No | |
| DC_4A_n5A | DC_4A_n5A | DC_4_n5 | |
| DC_4A_n7A | DC_4A_n7A | No | |
| DC_4A_n28A | DC_4A_n28A | No | |
| DC_4A_n38A | DC_4A_n38A | No | |
| DC_4A_n41A | DC_4A_n41A | No | |
| DC_4A_n78A | DC_4A_n78A | No | |
| DC_4A_n78(2A) | DC_4A_n78A | No | |
| DC_5A_n2A<br>DC_5B_n2A | DC_5A_n2A | No | |
| DC_5A-5A_n2A | DC_5A_n2A | No | |
| DC_5A_n7A | DC_5A_n7A | DC_5_n7 | |
| DC_5A_n7(2A) | DC_5A_n7A | DC_5_n7 | |
| DC_5A_n12A | DC_5A_n12A | No | |
| DC_5A_n38A | DC_5A_n38A | DC_5_n38 | |
| DC_5A_n40A | DC_5A_n40A | No | |
| DC_5A_n48A<br>DC_5A_n48B | DC_5A_n48A | No | |
| DC_5A_n66A<br>DC_5B_n66A | DC_5A_n66A | DC_5_n66 | |
| DC_5A-5A_n66A | DC_5A_n66A | DC_5_n66 | |
| DC_5A_n77A | DC_5A_n77A | No | |
| DC_5A_n71A | DC_5A_n71A | No | |
| DC_5A_n78A[7]<br>DC_5A_n78C[7] | DC_5A_n78A | No | No |
| DC_5A_n78(2A)[7] | DC_5A_n78A | No | No |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed | DL interruption allowed (Note 14) |
|---|---|---|---|
| DC_5A_n79A | DC_5A_n79A | No | No |
| DC_7A_n1A<br>DC_7C_n1A | DC_7A_n1A<br>DC_7C_n1A | No | |
| DC_7A-7A_n1A | DC_7A_n1A | No | |
| DC_7A_n2A<br>DC_7C_n2A | DC_7A_n2A | No | |
| DC_7A_n3A<br>DC_7C_n3A | DC_7A_n3A<br>DC_7C_n3A | No | |
| DC_7A_n5A<br>DC_7C_n5A | DC_7A_n5A<br>DC_7C_n5A | DC_7_n5 | |
| DC_7A-7A_n5A | DC_7A_n5A | DC_7_n5 | |
| DC_7A_n8A | DC_7A_n8A | No | |
| DC_7A-7A_n78A[7]<br>DC_7A-7A_n78C[7] | DC_7A_n78A | No | |
| DC_7A-7A_n78(2A)[7] | DC_7A_n78A | No | |
| DC_7A_n20A | DC_7A_n20A | No | |
| DC_7A_n28A<br>DC_7C_n28A | DC_7A_n28A<br>DC_7C_n28A | No | |
| DC_7A_n40A | DC_7A_n40A | Yes | |
| DC_7A_n51A | DC_7A_n51A | No | |
| DC_7A_n66A<br>DC_7C_n66A | DC_7A_n66A | No | |
| DC_7A-7A_n66A | DC_7A_n66A | No | |
| DC_7A_n71A | DC_7A_n71A | No | |
| DC_7A_n77A<br>DC_7A_n77(2A)<br>DC_7C_n77A<br>DC_7C_n77(2A) | DC_7A_n77A | No | |
| DC_7A-7A_n77A<br>DC_7A-7A_n77(2A) | DC_7A_n77A | No | |
| DC_7A_n78A[7]<br>DC_7C_n78A[7]<br>DC_7A_n78C[7] | DC_7A_n78A<br>DC_7C_n78A | No | |
| DC_7A_n78(2A)[7]<br>DC_7C_n78(2A)[7] | DC_7A_n78A<br>DC_7C_n78A | No | |
| DC_8A_n1A | DC_8A_n1A | No | |
| DC_8A_n2A | DC_8A_n2A | DC_8_n2 | |
| DC_8A_n3A | DC_8A_n3A | No | |
| DC_8A_n7A | DC_8A_n7A | No | |
| DC_8A_n20A | DC_8A_n20A | Yes | |
| DC_8A_n28A | DC_8A_n28A | No | |
| DC_8A_n34A | DC_8A_n34A | No | |
| DC_8A_n39A | DC_8A_n39A | No | |
| DC_8A_n40A[7] | DC_8A_n40A | No | |
| DC_8A_n41A<br>DC_8A_n41C | DC_8A_n41A | No | No |
| DC_8A_n41(2A) | DC_8A_n41A | No | No |
| DC_8A_n77A[7] | DC_8A_n77A | No | No |
| DC_8A_n77(2A)[7] | DC_8A_n77A | No | No |
| DC_8A_n78A[7] | DC_8A_n78A | No | No |
| DC_8A_n79A[7]<br>DC_8A_n79C | DC_8A_n79A<br>DC_8A_n79C | No | No |
| DC_8A_n93A | DC_8A_n93A_ULSUP-TDM | N/A | |
| DC_8A_n94A | DC_8A_n94A_ULSUP-TDM | N/A | |
| DC_11A_n3A | DC_11A_n3A | No | |
| DC_11A_n28A | DC_11A_n28A | No | |
| DC_11A_n77A[7] | DC_11A_n77A | No | No |
| DC_11A_n77(2A)[7] | DC_11A_n77A | No | No |
| DC_11A_n78A[7] | DC_11A_n78A | No | No |
| DC_11A_n79A[7] | DC_11A_n79A | No | |
| DC_12A_n2A | DC_12A_n2A | No | |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed | DL interruption allowed (Note 14) |
|---|---|---|---|
| DC_12A_n5A | DC_12A_n5A | No | |
| DC_12A_n7A<br>DC_12A_n7(2A) | DC_12A_n7A | No | |
| DC_12A_n25A | DC_12A_n25A | No | |
| DC_12A_n38A | DC_12A_n38A | No | |
| DC_12A_n41A | DC_12A_n41A | No | |
| DC_12A_n66A<br>DC_12A_n66(2A) | DC_12A_n66A | No | |
| DC_12A_n78A<br>DC_12A_n78(2A) | DC_12A_n78A | DC_12_n78 | |
| DC_13A_n2A | DC_13A_n2A | No | |
| DC_13A_n5A | DC_13A_n5A | DC_13_n5 | |
| DC_13A_n7A<br>DC_13A_n7(2A) | DC_13A_n7A | No | |
| DC_13A_n48A<br>DC_13A_n48B | DC_13A_n48A | No | |
| DC_13A_n66A | DC_13A_n66A | No | |
| DC_13A_n71A | DC_13A_n71A | No | |
| DC_13A_n77A | DC_13A_n77A | No | |
| DC_13A_n78A<br>DC_13A_n78(2A) | DC_13A_n78A | No | |
| DC_14A_n2A | DC_14A_n2A | No | |
| DC_14A_n66A | DC_14A_n66A | No | |
| DC_18A_n3A | DC_18A_n3A | No | |
| DC_18A_n28A[8] | DC_18A_n28A | No | |
| DC_18A_n41A[16] | DC_18A_n41A | No | |
| DC_18A_n77A[7]<br>DC_18A_n77(2A)[7] | DC_18A_n77A | No | No |
| DC_18A_n78A[7]<br>DC_18A_n78(2A)[7] | DC_18A_n78A | No | No |
| DC_20A_n91A | DC_20A_n91A_ULSUP-TDM | N/A | |
| DC_20A_n92A | DC_20A_n92A_ULSUP-TDM | N/A | |
| DC_18A_n79A[7] | DC_18A_n79A | No | |
| DC_19A_n1A | DC_19A_n1A | No | |
| DC_19A_n77A[7]<br>DC_19A_n77C[7] | DC_19A_n77A | No | |
| DC_19A_n78A[7]<br>DC_19A_n78C[7] | DC_19A_n78A | No | No |
| DC_19A_n79A[7]<br>DC_19A_n79C[7] | DC_19A_n79A | No | No |
| DC_20A_n1A | DC_20A_n1A | No | |
| DC_20A_n3A | DC_20A_n3A | No | |
| DC_20A_n7A | DC_20A_n7A | DC_20_n7 | |
| DC_20A_n8A | DC_20A_n8A | DC_20_n8 | |
| DC_20A_n28A[8, 11,13] | DC_20A_n28A | No | |
| DC_20A_n38A | DC_20A_n38A | No | |
| DC_20A_n41A | DC_20A_n41A | DC_20_n41 | |
| DC_20A_n50A | DC_20A_n50A | No | |
| DC_20A_n51A | DC_20A_n51A | No | |
| DC_20A_n77A[7] | DC_20A_n77A | No | |
| DC_20A_n78A[7] | DC_20A_n78A | No | |
| DC_20A_n78(2A)[7] | DC_20A_n78A | No | |
| DC_21A_n1A | DC_21A_n1A | No | |
| DC_21A_n77A[7]<br>DC_21A_n77C[7] | DC_21A_n77A | No | |
| DC_21A_n78A[7]<br>DC_21A_n78C[7] | DC_21A_n78A | No | No |
| DC_21A_n79A[7]<br>DC_21A_n79C[7] | DC_21A_n79A | No | No |
| DC_25A_n41A | DC_25A_n41A | No | |
| DC_25A-25A_n41A | DC_25A_n41A | No | |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed | DL interruption allowed (Note 14) |
|---|---|---|---|
| DC_26A_n25A | DC_26A_n25A | No | |
| DC_26A_n41A | DC_26A_n41A | No | |
| DC_26A_n77A[7] | DC_26A_n77A | No | |
| DC_26A_n78A[7] | DC_26A_n78A | No | |
| DC_26A_n79A[7] | DC_26A_n79A | No | |
| DC_28A_n1A | DC_28A_n1A | No | |
| DC_28A_n2A | DC_28A_n2A | No | |
| DC_28A_n3A | DC_28A_n3A | No | |
| DC_28A_n5A[8] | DC_28A_n5A | No | |
| DC_28A_n7A<br>DC_28A_n7B | DC_28A_n7A<br>DC_28A_n7B | No | |
| DC_28A_n51A | DC_28A_n51A | No | |
| DC_28A_n8A | DC_28A_n8A | No | |
| DC_28A_n40A | DC_28A_n40A | No | |
| DC_28A_n41A | DC_28A_n41A | No | |
| DC_28A_n50A | DC_28A_n50A | No | |
| DC_28A_n66A | DC_28A_n66A | No | |
| DC_28A_n77A[7]<br>DC_28A_n77C[7] | DC_28A_n77A | No | No |
| DC_28A_n77(2A)[7] | DC_28A_n77A | No | No |
| DC_28A_n78A[7]<br>DC_28A_n78C[7] | DC_28A_n78A | No | No |
| DC_28A_n78(2A) | DC_28A_n78A | No | No |
| DC_28A_n79A[7]<br>DC_28A_n79C[7] | DC_28A_n79A | No | |
| DC_30A_n2A | DC_30A_n2A | No | |
| DC_30A_n5A | DC_30A_n5A | No | |
| DC_30A_n66A | DC_30A_n66A | No | |
| DC_38A_n78A[7] | DC_38A_n78A | No | |
| DC_39A_n40A[3] | DC_39A_n40A | No | |
| DC_39A_n41A[3]<br>DC_39C_n41A[3] | DC_39A_n41A<br>DC_39C_n41A | No | No |
| DC_39A_n78A[5,7] | DC_39A_n78A | No | |
| DC_39A_n79A[7]<br>DC_39A_n79C[7] | DC_39A_n79A | No | No |
| DC_40A_n1A<br>DC_40C_n1A | DC_40A_n1A | No | |
| DC_40A_n41A[3]<br>DC_40C_n41A[3] | DC_40A_n41A | No | |
| DC_40A_n77A | DC_40A_n77A | No | |
| DC_40A_n78A<br>DC_40C_n78A | DC_40A_n78A<br>DC_40C_n78A | No | |
| DC_40A_n79A[7,12]<br>DC_40A_n79C[7,12]<br>DC_40C_n79A[7,12] | DC_40A_n79A | No | No |
| DC_41A_n3A<br>DC_41C_n3A | DC_41A_n3A<br>DC_41C_n3A | No | |
| DC_41A_n28A<br>DC_41C_n28A | DC_41A_n28A<br>DC_41C_n28A | No | |
| DC_41A_n77A<br>DC_41C_n77A | DC_41A_n77A<br>DC_41C_n77A | No | |
| DC_41A_n77(2A)<br>DC_41C_n77(2A) | DC_41A_n77A<br>DC_41C_n77A | No | |
| DC_41A_n78A<br>DC_41C_n78A<br>DC_41D_n78A | DC_41A_n78A<br>DC_41C_n78A | No | |
| DC_41A_n78(2A)<br>DC_41C_n78(2A) | DC_41A_n78A<br>DC_41C_n78A | No | |
| DC_41A_n79A[6,7]<br>DC_41A_n79C[6,7]<br>DC_41C_n79A[6,7] | DC_41A_n79A<br>DC_41C_n79A | No | No |
| DC_42A_n1A<br>DC_42C_n1A | DC_42A_n1A | No | |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed | DL interruption allowed (Note 14) |
|---|---|---|---|
| DC_42A_n3A<br>DC_42C_n3A | DC_42A_n3A<br>DC_42C_n3A | DC_42_n3 | |
| DC_42A_n28A<br>DC_42C_n28A | DC_42A_n28A<br>DC_42C_n28A | No | |
| DC_42A_n51A | DC_42A_n51A | No | |
| DC_42A_n77A[3,4,9,11]<br>DC_42A_n77C[3,4,9,11]<br>DC_42C_n77A[3,4,9,11]<br>DC_42C_n77C[3,4,9,11]<br>DC_42D_n77A[3,4,9,11]<br>DC_42D_n77C<br>DC_42E_n77A[3,4,9,11]<br>DC_42E_n77C | N/A | N/A | |
| DC_42A_n77(2A)[3,4,9,11]<br>DC_42C_n77(2A)[3,4,9,11] | N/A | N/A | |
| DC_42A_n78A[3,4,9,11]<br>DC_42A_n78C[3,4,9,11]<br>DC_42C_n78A[3,4,9,11]<br>DC_42C_n78C[3,4,9,11]<br>DC_42D_n78A[3,4,9,11]<br>DC_42D_n78C<br>DC_42E_n78A[3,4,9,11]<br>DC_42E_n78C | N/A | N/A | |
| DC_42A_n79A[9,15]<br>DC_42A_n79C[9,15]<br>DC_42C_n79A[9,15]<br>DC_42C_n79C[9,15]<br>DC_42D_n79A[9,15]<br>DC_42D_n79C[9,15]<br>DC_42E_n79A[9,15]<br>DC_42E_n79C[9,15] | N/A | N/A | |
| DC_46A_n78A[2]<br>DC_46C_n78A[2]<br>DC_46D_n78A[2]<br>DC_46E_n78A[2] | N/A | N/A | |
| DC_48A_n5A | DC_48A_n5A | No | |
| DC_48A_n12A | DC_48A_n12A | No | |
| DC_48A_n46A<br>DC_48B_n46A<br>DC_48C_n46A<br>DC_48D_n46A<br>DC_48E_n46A<br>DC_48A_n46B<br>DC_48B_n46B<br>DC_48C_n46B<br>DC_48D_n46B<br>DC_48E_n46B<br>DC_48A_n46C<br>DC_48B_n46C<br>DC_48C_n46C<br>DC_48D_n46C<br>DC_48E_n46C<br>DC_48A_n46D<br>DC_48B_n46D<br>DC_48C_n46D<br>DC_48D_n46D<br>DC_48E_n46D<br>DC_48A_n46E<br>DC_48B_n46E<br>DC_48C_n46E<br>DC_48D_n46E<br>DC_48E_n46E | DC_48A_n46A<br>DC_48B_n46A | No | |
| DC_48A_n25A<br>DC_48C_n25A<br>DC_48D_n25A | DC_48A_n25A | No | |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed | DL interruption allowed (Note 14) |
|---|---|---|---|
| DC_48A_n66A<br>DC_48C_n66A<br>DC_48D_n66A | DC_48A_n66A | No | |
| DC_48A_n71A<br>DC_48B_n71A<br>DC_48C_n71A<br>DC_48D_n71A | DC_48A_n71A | No | |
| DC_48A-48A_n71A<br>DC_48A-48A-48A_n71A | DC_48A_n71A | No | |
| DC_66A_n2A | DC_66A_n2A | DC_66_n2 | |
| DC_66A-66A_n2A | DC_66A_n2A | DC_66_n2 | |
| DC_66A_n5A<br>DC_66B_n5A<br>DC_66C_n5A | DC_66A_n5A | DC_66_n5 | |
| DC_66A-66A_n5A<br>DC_66A-66A-66A_n5A | DC_66A_n5A | DC_66_n5 | |
| DC_66A_n7A<br>DC_66A-66A_n7A<br>DC_66A_n7(2A)<br>DC_66A-66A_n7(2A) | DC_66A_n7A | No | |
| DC_66A_n12A | DC_66A_n12A | No | |
| DC_66A_n25A | DC_66A_n25A | DC_66_n25 | |
| DC_66A_n28A | DC_66A_n28A | No | |
| DC_66A_n38A | DC_66A_n38A | No | |
| DC_66A-66A_n38A | DC_66A_n38A | No | |
| DC_66A_n41A<br>DC_66A_n41C | DC_66A_n41A | No | |
| DC_66A_n41(2A) | DC_66A_n41A | No | |
| DC_66A_n46A | DC_66A_n46A | No | |
| DC_66A_n48A<br>DC_66A_n48B | DC_66A_n48A | No | |
| DC_66A-66A_n48A<br>DC_66A-66A_n48B | DC_66A_n48A | No | |
| DC_66A_n71A<br>DC_66C_n71A<br>DC_66A_n71B | DC_66A_n71A | No | |
| DC_66A-66A_n71A | DC_66A_n71A | No | |
| DC_66A_n77A | DC_66A_n77A | DC_66_n77 | |
| DC_66A-66A_n77A<br>DC_66A-66A-66A_n77A | DC_66A_n77A | DC_66_n77 | |
| DC_66A_n78A | DC_66A_n78A | No | |
| DC_66A_n78(2A) | DC_66A_n78A | No | |
| DC_66A-66A_n78A | DC_66A_n78A | No | |
| DC_66A-66A_n78(2A) | DC_66A_n78A | No | |
| DC_71A_n5A | DC_71A_n5A | No | |
| DC_71A_n38A | DC_71A_n38A | No | |
| DC_71A_n48A | DC_71A_n48A | No | |
| DC_71A_n66A | DC_71A_n66A | No | |
| DC_71A_n78A | DC_71A_n78A | No | |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) | Single UL allowed | DL interruption allowed (Note 14) |
|---|---|---|---|

NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.
NOTE 2: Restricted to E-UTRA operation when inter-band carrier aggregation is configured. The downlink operating band for Band 46 is paired with the uplink operating band (external E-UTRA band) of the carrier aggregation configuration that is supporting the configured Pcell.
NOTE 3: The minimum requirements apply only when there is non-simultaneous Tx/Rx operation between E-UTRA and NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order EN-DC configuration.
NOTE 4: The minimum requirements for intra-band contiguous or non-contiguous EN-DC apply. The intra-band requirements also apply for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.
NOTE 5: The frequency range above 3600 MHz for Band n78 is not used in this combination.
NOTE 6: The frequency range below 2506 MHz for Band 41 is not used in this combination.
NOTE 7: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability.
NOTE 8: The frequency range in band n28 is restricted for this band combination to 703 - 733 MHz for the UL and 758-788 MHz for the DL.
NOTE 9: The combination is not used alone as fall back mode of other band combinations in which UL in Band 42 is not used.
NOTE 10: Void.
NOTE 11: The minimum requirements for inter-band EN-DC apply when the maximum power spectral density imbalance between downlink carriers is within 6 dB. The power spectral density imbalance condition also applies for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.
NOTE 12: Applicable for frequency range above 4800 MHz for Band n79 in this combination.
NOTE 13: The minimum requirements apply for synchronized DL carriers with a maximum receive time difference ≤ 3 usec. The requirements also apply for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.
NOTE 14: Applicable when dynamic switching between two uplink carriers is conducted. The DL interruption requirements for NR DL carrier(s) and E-UTRA DL carrier(s) are specified in clause 8.2.1.2.14 of 38.133 [15] and clause 7.32.2.12 of 36.133 [16] respectively.
NOTE 15: Simultaneous Rx/Tx capability does not apply for UEs supporting band 42 with a n77 implementation only. Same restrictions are applied to related higher order configurations.
NOTE 16: The frequency range in band n41 is restricted for this band combination to 2595 – 2645 MHz.

### 5.5B.4.2 Inter-band EN-DC configurations within FR1 (three bands)

**Table 5.5B.4.2-1: Inter-band EN-DC configurations within FR1 (three bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A_n3A | DC_1A_n3A<br>DC_3A_n3A[2] |
| DC_1A-3A_n5A<br>DC_1A-3C_n5A | DC_1A_n5A<br>DC_3A_n5A<br>DC_3C_n5A |
| DC_1A-3A_n7A<br>DC_1A-3A_n7B<br>DC_1A-3C_n7A<br>DC_1A-3C_n7B | DC_1A_n7A<br>DC_3A_n7A<br>DC_3C_n7A |
| DC_1A-1A-3A_n7A<br>DC_1A-1A-3A_n7B<br>DC_1A-1A-3C_n7A<br>DC_1A-1A-3C_n7B<br>DC_1A-3A-3A_n7A<br>DC_1A-3A-3A_n7B<br>DC_1A-1A-3A-3A_n7A | DC_1A_n7A<br>DC_3A_n7A<br>DC_3C_n7A |
| DC_1A-3A_n8A | DC_1A_n8A<br>DC_3A_n8A |
| DC_1A-3A_n28A<br>DC_1A-3C_n28A<br>DC_1A-1A-3A_n28A<br>DC_1A-1A-3C_n28A | DC_1A_n28A<br>DC_3A_n28A<br>DC_3C_n28A |
| DC_1A_n3A-n28A | DC_1A_n3A<br>DC_1A_n28A |
| DC_1A-3A_n38A | DC_1A_n38A<br>DC_3A_n38A |
| DC_1A-3A_n40A | DC_1A_n40A<br>DC_3A_n40A |
| DC_1A-3A_n41A<br>DC_1A-3C_n41A | DC_1A_n41A<br>DC_3A_n41A<br>DC_3C_n41A |
| DC_1A_n3A-n41A | DC_1A_n3A<br>DC_1A_n41A |
| DC_1A-3A_n71A<br>DC_1A-3A_n71B | DC_1A_n71A<br>DC_3A_n71A |
| DC_1A-3A_n77A[5]<br>DC_1A-3A_n77C[5]<br>DC_1A-3C_n77A[5] | DC_1A_n77A<br>DC_3A_n77A<br>DC_3C_n77A |
| DC_1A-3A_n77(2A)<br>DC_1A-3C_n77(2A) | DC_1A_n77A<br>DC_3A_n77A<br>DC_3C_n77A |
| DC_1A-3A_n78A[5]<br>DC_1A-3A_n78C[5]<br>DC_1A-3C_n78A[5] | DC_1A_n78A<br>DC_3A_n78A |
| DC_1A-3A_n78(2A)[5]<br>DC_1A-3C_n78(2A)[5]<br>DC_1A-1A-3A_n78A<br>DC_1A-1A-3C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_3C_n78A |
| DC_1A_n3A-n77A | DC_1A_n3A<br>DC_1A_n77A |
| DC_1A_n3A-n77(2A) | DC_1A_n3A<br>DC_1A_n77A |
| DC_1A_n3A-n78A | DC_1A_n3A<br>DC_1A_n78A |
| DC_1A-3A_n79A[5]<br>DC_1A-3A_n79C[5] | DC_1A_n79A<br>DC_3A_n79A |
| DC_1A-5A_n78A[5]<br>DC_1A-5A_n78C[5]<br>DC_1A-1A-5A_n78A | DC_1A_n78A<br>DC_5A_n78A |
| DC_1A-5A_n79A | DC_1A_n79A<br>DC_5A_n79A |
| DC_1A_n5A-n78A | DC_1A_n5A<br>DC_1A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-7A_n3A<br>DC_1A-7C_n3A | DC_1A_n3A<br>DC_7A_n3A<br>DC_7C_n3A |
| DC_1A-7A_n5A<br>DC_1A-7C_n5A | DC_1A_n5A<br>DC_7A_n5A<br>DC_7C_n5A |
| DC_1A-7A_n7A | DC_1A_n7A<br>DC_7A_n7A[2] |
| DC_1A-1A-7A_n7A | DC_1A_n7A<br>DC_7A_n7A[2] |
| DC_1A-7A_n8A | DC_1A_n8A<br>DC_7A_n8A |
| DC_1A-7A_n28A[5]<br>DC_1A-7C_n28A<br>DC_1A-1A-7A_n28A | DC_1A_n28A<br>DC_7A_n28A<br>DC_7C_n28A |
| DC_1A-7A_n40A | DC_1A_n40A<br>DC_7A_n40A |
| DC_1A-7A_n78A[5]<br>DC_1A-7C_n78A<br>DC_1A-7A_n78C[5] | DC_1A_n78A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_1A-7A_n78(2A)[5]<br>DC_1A-7C_n78(2A)[5] | DC_1A_n78A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_1A-7A-7A_n78A[5]<br>DC_1A-7A-7A_n78C[5] | DC_1A_n78A<br>DC_7A_n78A |
| DC_1A_n7A-n78A<br>DC_1A_n7B-n78A | DC_1A_n7A<br>DC_1A_n78A |
| DC_1A-8A_n3A | DC_1A_n3A<br>DC_8A_n3A |
| DC_1A-8A_n28A | DC_1A_n28A<br>DC_8A_n28A |
| DC_1A_n8A-n40A | DC_1A_n8A<br>DC_1A_n40A |
| DC_1A-8A_n77A | DC_1A_n77A<br>DC_8A_n77A |
| DC_1A-8A_n77(2A) | DC_1A_n77A<br>DC_8A_n77A |
| DC_1A-8A_n78A[5] | DC_1A_n78A<br>DC_8A_n78A |
| DC_1A_n8A-n78A | DC_1A_n8A<br>DC_1A_n78A |
| DC_1A-8A_n79A | DC_1A_n79A<br>DC_8A_n79A |
| DC_1A-11A_n3A | DC_1A_n3A<br>DC_11A_n3A |
| DC_1A-11A_n77A | DC_1A_n77A<br>DC_11A_n77A |
| DC_1A-11A_n77(2A) | DC_1A_n77A<br>DC_11A_n77A |
| DC_1A-11A_n78A | DC_1A_n78A<br>DC_11A_n78A |
| DC_1A-18A_n3A | DC_1A_n3A<br>DC_18A_n3A |
| DC_1A-18A_n28A | DC_1A_n28A<br>DC_18A_n28A |
| DC_1A-18A_n41A | DC_1A_n41A<br>DC_18A_n41A |
| DC_1A-18A_n77A[5]<br>DC_1A-18A_n77(2A)[5] | DC_1A_n77A<br>DC_18A_n77A |
| DC_1A-18A_n78A[5]<br>DC_1A-18A_n78(2A)[5] | DC_1A_n78A<br>DC_18A_n78A |
| DC_1A-18A_n79A | DC_1A_n79A<br>DC_18A_n79A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-19A_n77A[5]<br>DC_1A-19A_n77C[5] | DC_1A_n77A<br>DC_19A_n77A |
| DC_1A-19A_n78A[5]<br>DC_1A-19A_n78C[5] | DC_1A_n78A<br>DC_19A_n78A |
| DC_1A-19A_n79A[5]<br>DC_1A-19A_n79C[5] | DC_1A_n79A<br>DC_19A_n79A |
| DC_1A-20A_n3A<br>DC_1C-20A_n3A | DC_1A_n3A<br>DC_20A_n3A |
| DC_1A-20A_n8A | DC_1A_n8A<br>DC_20A_n8A |
| DC_1A-20A_n28A[6] | DC_1A_n28A<br>DC_20A_n28A |
| DC_1A-20A_n38A | DC_1A_n38A<br>DC_20A_n38A |
| DC_1A-20A_n41A | DC_1A_n41A<br>DC_20A_n41A |
| DC_1A-20A_n78A[5] | DC_1A_n78A<br>DC_20A_n78A |
| DC_1A-21A_n77A[5]<br>DC_1A-21A_n77C[5] | DC_1A_n77A<br>DC_21A_n77A |
| DC_1A-21A_n78A[5]<br>DC_1A-21A_n78C[5] | DC_1A_n78A<br>DC_21A_n78A |
| DC_1A-21A_n79A[5]<br>DC_1A-21A_n79C[5] | DC_1A_n79A<br>DC_21A_n79A |
| DC_1A-28A_n3A | DC_1A_n3A<br>DC_28A_n3A |
| DC_1A-28A_n5A[6] | DC_1A_n5A<br>DC_28A_n5A |
| DC_1A-28A_n7A<br>DC_1A-28A_n7B | DC_1A_n7A<br>DC_28A_n7A<br>DC_1A_n7B<br>DC_28A_n7B |
| DC_1A-1A-28A_n7A<br>DC_1A-1A-28A_n7B | DC_1A_n7A<br>DC_28A_n7A<br>DC_1A_n7B<br>DC_28A_n7B |
| DC_1A_n28A-n40A | DC_1A_n28A<br>DC_1A_n40A |
| DC_1A-28A_n40A | DC_1A_n40A<br>DC_28A_n40A |
| DC_1A_n28A-n41A | DC_1A_n28A<br>DC_1A_n41A |
| DC_1A-28A_n77A[5]<br>DC_1A-28A_n77C[5] | DC_1A_n77A<br>DC_28A_n77A |
| DC_1A-28A_n78A[5]<br>DC_1A-28A_n78C[5]<br>DC_1A-1A-28A_n78A | DC_1A_n78A<br>DC_28A_n78A |
| DC_1A_n28A-n77A[5]<br>DC_1A_n28A-n77(2A)[5] | DC_1A_n28A<br>DC_1A_n77A |
| DC_1A_n28A-n78A[5] | DC_1A_n28A<br>DC_1A_n78A |
| DC_1A-28A_n79A<br>DC_1A-28A_n79C | DC_1A_n79A<br>DC_28A_n79A |
| DC_1A-32A_n3A | DC_1A_n3A |
| DC_1A-32A_n28A | DC_1A_n28A |
| DC_1A-32A_n78A<br>DC_1A-32A_n78(2A) | DC_1A_n78A |
| DC_1A-(n)38AA | DC_1A_n38A |
| DC_1A-40A_n78A<br>DC_1A-40C_n78A | DC_1A_n78A<br>DC_40A_n78A |
| DC_1A_n40A-n78A<br>DC_1A_n40A-n78(2A) | DC_1A_n40A<br>DC_1A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-41A_n3A<br>DC_1A-41C_n3A | DC_1A_n3A<br>DC_41A_n3A<br>DC_41C_n3A |
| DC_1A-41A_n28A<br>DC_1A-41C_n28A | DC_1A_n28A<br>DC_41A_n28A<br>DC_41C_n28A |
| DC_1A-(n)41AA<br>DC_1A-(n)41CA<br>DC_1A-(n)41DA | DC_1A_n41A |
| DC_1A-41A_n41A<br>DC_1A-41C_n41A | DC_1A_n41A |
| DC_1A-41A_n77A<br>DC_1A-41C_n77A | DC_1A_n77A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_1A-41A_n77(2A)<br>DC_1A-41C_n77(2A) | DC_1A_n77A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_1A_n41A-n77A | DC_1A_n41A<br>DC_1A_n77A |
| DC_1A-41A_n78A<br>DC_1A-41C_n78A | DC_1A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_1A_n41A-n78A | DC_1A_n41A<br>DC_1A_n78A |
| DC_1A-41A_n78(2A)<br>DC_1A-41C_n78(2A) | DC_1A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_1A-41A_n79A<br>DC_1A-41C_n79A | DC_1A_n79A |
| DC_1A-42A_n3A | DC_1A_n3A<br>DC_42A_n3A |
| DC_1A-42C_n3A | DC_1A_n3A<br>DC_42A_n3A<br>DC_42C_n3A |
| DC_1A-42A_n28A | DC_1A_n28A<br>DC_42A_n28A |
| DC_1A-42C_n28A | DC_1A_n28A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_1A-42A_n77A<br>DC_1A-42A_n77C<br>DC_1A-42C_n77A<br>DC_1A-42C_n77C<br>DC_1A-42D_n77A<br>DC_1A-42D_n77C<br>DC_1A-42E_n77A<br>DC_1A-42E_n77C | DC_1A_n77A |
| DC_1A-42A_n77(2A)<br>DC_1A-42C_n77(2A) | DC_1A_n77A |
| DC_1A-42A_n78A<br>DC_1A-42A_n78C<br>DC_1A-42C_n78A<br>DC_1A-42C_n78C<br>DC_1A-42D_n78A<br>DC_1A-42D_n78C<br>DC_1A-42E_n78A<br>DC_1A-42E_n78C | DC_1A_n78A |
| DC_1A-42A_n79A<br>DC_1A-42A_n79C<br>DC_1A-42C_n79A<br>DC_1A-42C_n79C<br>DC_1A-42D_n79A<br>DC_1A-42D_n79C<br>DC_1A-42E_n79A<br>DC_1A-42E_n79C | DC_1A_n79A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A_n75A-n78A<br>DC_1A_n75A-n78(2A) | DC_1A_n78A |
| DC_1A_n77A-n79A | DC_1A_n77A<br>DC_1A_n79A |
| DC_1A_SUL_n77A-n80A | DC_1A_n77A<br>DC_1A_n80A |
| DC_1A_SUL_n77A-n84A | DC_1A_n77A<br>DC_1A_n84A_ULSUP-TDM_n77A |
| DC_1A_n78A-n79A | DC_1A_n78A<br>DC_1A_n79A |
| DC_1A_SUL_n78A-n80A | DC_1A_n78A<br>DC_1A_n80A |
| DC_1A_SUL_n78A-n84A[5] | DC_1A_n78A,<br>DC_1A_n84A_ULSUP-TDM_n78A |
| DC_1A_SUL_n79A-n84A | DC_1A_n79A,<br>DC_1A_n84A_ULSUP-TDM_n79A |
| DC_2A-4A_n28A | DC_2A_n28A<br>DC_4A_n28A |
| DC_2A-4A_n38A | DC_2A_n38A<br>DC_4A_n38A |
| DC_2A-4A_n41A | DC_2A_n41A<br>DC_4A_n41A |
| DC_2A-5A_n2A | DC_5A_n2A |
| DC_2A-5B_n2A | DC_5A_n2A |
| DC_2A-5A-5A_n2A | DC_5A_n2A |
| DC_2A-5A_n5A | DC_2A_n5A |
| DC_2A-2A-5A_n5A | DC_2A_n5A |
| DC_2A-5A_n7A | DC_2A_n7A<br>DC_5A_n7A |
| DC_2A-5A_n12A | DC_2A_n12A<br>DC_5A_n12A |
| DC_2A-5A_n48A<br>DC_2A-5A_n48B | DC_2A_n48A<br>DC_5A_n48A |
| DC_2A-5A_n66A<br>DC_2A-5B_n66A | DC_2A_n66A<br>DC_5A_n66A |
| DC_2A-5A-5A_n66A<br>DC_2A-2A-5A_n66A | DC_2A_n66A<br>DC_5A_n66A |
| DC_2A-5A_n71A | DC_2A_n71A<br>DC_5A_n71A |
| DC_2A-5A_n77A | DC_2A_n77A<br>DC_5A_n77A |
| DC_2A-7A_n5A<br>DC_2A-7C_n5A<br>DC_2A-7A-7A_n5A | DC_2A_n5A<br>DC_7A_n5A |
| DC_2A-7A_n7A | DC_2A_n7A<br>DC_7A_n7A[2] |
| DC_2A-7A_n28A | DC_2A_n28A<br>DC_7A_n28A |
| DC_2A_n5A-n77A | DC_2A_n5A<br>DC_2A_ n77A |
| DC_2A-7A_n38A | 2A[8] |
| DC_2A-2A-7A_n38A | 2A[8] |
| DC_2A-7A_n66A<br>DC_2A-7C_n66A | DC_2A_n66A<br>DC_7A_n66A |
| DC_2A-7A-7A_n66A<br>DC_2A-2A-7A_n66A | DC_2A_n66A<br>DC_7A_n66A |
| DC_2A_n7A-n66A<br>DC_2A_n7(2A)-n66A | DC_2A_n7A<br>DC_7A_n66A |
| DC_2A-7A_n71A | DC_2A_n71A<br>DC_7A_n71A |
| DC_2A-2A-7A_n71A | DC_2A_n71A<br>DC_7A_n71A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-7A_n77A<br>DC_2A-7C_n77A<br>DC_2A-7A-7A_n77A<br>DC_2A-7A_n77(2A)<br>DC_2A-7C_n77(2A)<br>DC_2A-7A-7A_n77(2A) | DC_2A_n77A<br>DC_7A_n77A |
| DC_2A-7A_n78A<br>DC_2A-7C_n78A<br>DC_2A-7A_n78(2A)<br>DC_2A-7C_n78(2A) | DC_2A_n78A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_2A_n7A-n78A | DC_2A_n7A<br>DC_2A_n78A |
| DC_2A_n7(2A)-n78A | DC_2A_n7A<br>DC_2A_n78A |
| DC_2A_n7A-n78(2A) | DC_2A_n7A<br>DC_2A_n78A |
| DC_2A_n7(2A)-n78(2A) | DC_2A_n7A<br>DC_2A_n78A |
| DC_2A-7A-7A_n78A<br>DC_2A-7A-7A_n78(2A) | DC_2A_n78A<br>DC_7A_n78A |
| DC_2A-8A_n2A | DC_2A_n2A[2]<br>DC_8A_n2A |
| DC_2A-12A_n2A | DC_12A_n2A |
| DC_2A-12A_n5A | DC_2A_n5A<br>DC_12A_n5A |
| DC_2A_(n)12AA | DC_2A_n12A<br>DC_(n)12AA[2] |
| DC_2A-12A_n66A | DC_2A_n66A<br>DC_12A_n66A |
| DC_2A-2A-12A_n66A | DC_2A_n66A<br>DC_12A_n66A |
| DC_2A-13A_n2A | DC_13A_n2A |
| DC_2A-13A_n5A | DC_2A_n5A |
| DC_2A-2A-13A_n5A | DC_2A_n5A |
| DC_2A-13A_n48A<br>DC_2A-13A_n48B | DC_2A_n48A<br>DC_13A_n48A |
| DC_2A-13A_n66A | DC_2A_n66A<br>DC_13A_n66A |
| DC_2A-2A-13A_n66A | DC_2A_n66A<br>DC_13A_n66A |
| DC_2A-13A_n77A | DC_2A_n77A<br>DC_13A_n77A |
| DC_2A-14A_n2A | DC_2A_n2A[2]<br>DC_14A_n2A |
| DC_2A-14A_n66A | DC_2A_n66A<br>DC_14A_n66A |
| DC_2A-2A-14A_n66A | DC_2A_n66A<br>DC_14A_n66A |
| DC_2A-28A_n7A | DC_2A_n7A<br>DC_28A_n7A |
| DC_2A-28A_n66A | DC_2A_n66A<br>DC_28A_n66A |
| DC_2A-29A_n66A | DC_2A_n66A |
| DC_2A-2A-29A_n66A | DC_2A_n66A |
| DC_2A-30A_n5A | DC_2A_n5A<br>DC_30A_n5A |
| DC_2A-2A-30A_n5A | DC_2A_n5A<br>DC_30A_n5A |
| DC_2A-30A_n66A | DC_2A_n66A<br>DC_30A_n66A |
| DC_2A-2A-30A_n66A | DC_2A_n66A<br>DC_30A_n66A |
| DC_2A_n38A-n66A | DC_2A_n38A<br>DC_2A_n66A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A_n38A-n78A | DC_2A_n38A<br>DC_2A_n78A |
| DC_2A_n41A-n66A<br>DC_2A_n41C-n66A | DC_2A_n41A<br>DC_2A_n66A |
| DC_2A_n41(2A)-n66A | DC_2A_n41A<br>DC_2A_n66A |
| DC_2A_n41A-n71A<br>DC_2A_n41C-n71A | DC_2A_n41A<br>DC_2A_n71A |
| DC_2A_n41(2A)-n71A | DC_2A_n41A<br>DC_2A_n71A |
| DC_2A-46A_n41A<br>DC_2A-46C_n41A<br>DC_2A-46D_n41A | DC_2A_n41A |
| DC_2A-46A_n41(2A)<br>DC_2A-46C_n41(2A)<br>DC_2A-46D_n41(2A) | DC_2A_n41A |
| DC_2A-46A_n66A<br>DC_2A-46C_n66A<br>DC_2A-46D_n66A | DC_2A_n66A |
| DC_2A-46A_n71A<br>DC_2A-46C_n71A<br>DC_2A-46D_n71A | DC_2A_n71A |
| DC_2A-48A_n5A | DC_2A_n5A<br>DC_48A_n5A |
| DC_2A_n48A-n66A | DC_2A_n48A<br>DC_2A_n66A |
| DC_2A-48A_n71A | DC_2A_n71A<br>DC_48A_n71A |
| DC_2A-48A_n12A | DC_2A_n12A<br>DC_48A_n12A |
| DC_2A-48A_n48A | DC_2A_n48A |
| DC_2A-48A_n66A | DC_2A_n66A<br>DC_48A_n66A |
| DC_2A-48A_n77A | DC_2A_n77A<br>DC_48A_n77A |
| DC_2A-66A_n5A<br>DC_2A-66B_n5A | DC_2A_n5A<br>DC_66A_n5A |
| DC_2A-2A-66A_n5A<br>DC_2A-66A-66A_n5A<br>DC_2A-2A-66A-66A_n5A<br>DC_2A-66A-66A-66A_n5A | DC_2A_n5A<br>DC_66A_n5A |
| DC_2A-66A_n7A<br>DC_2A-66A-66A_n7A | DC_2A_n7A<br>DC_66A_n7A |
| DC_2A-66A_n12A | DC_2A_n12A<br>DC_66A_n12A |
| DC_2A-66A_n25A | DC_66A_n25A |
| DC_2A-66A_n28A | DC_2A_n28A<br>DC_66A_n28A |
| DC_2A-66A_n38A | DC_2A_n38A<br>DC_66A_n38A |
| DC_2A-2A-66A_n38A<br>DC_2A-66A-66A_n38A | DC_2A_n38A<br>DC_66A_n38A |
| DC_2A-66A_n41A<br>DC_2A-66A_n41C<br>DC_2C-66A_n41A | DC_2A_n41A<br>DC_66A_n41A |
| DC_2A-2A-66A_n41A<br>DC_2A-66A_n41(2A) | DC_2A_n41A<br>DC_66A_n41A |
| DC_2A-66A_n48A | DC_2A_n48A<br>DC_66A_n48A |
| DC_2A-66A_n48B | DC_2A_n48A<br>DC_66A_n48A |
| DC_2A-66A-66A_n48A | DC_2A_n48A<br>DC_66A_n48A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-66A-66A_n48B | DC_2A_n48A<br>DC_66A_n48A |
| DC_2A-66A_n66A | DC_2A_n66A<br>DC_66A_n66A[2] |
| DC_2A-2A-66A_n66A | DC_2A_n66A<br>DC_66A_n66A[2] |
| DC_2A-66A_n71A<br>DC_2A-66A_n71B<br>DC_2A-66C_n71A<br>DC_2C-66A_n71A | DC_2A_n71A<br>DC_66A_n71A |
| DC_2A-2A-66A_n71A<br>DC_2A-66A-66A_n71A<br>DC_2A-2A-66A-66A_n71A | DC_2A_n71A<br>DC_66A_n71A |
| DC_2A_n66A-n71A | DC_2A_n66A<br>DC_2A_n71A |
| DC_2A-66A_n77A | DC_2A_n77A<br>DC_66A_n77A |
| DC_2A_n66A-n77A<br>DC_2A-2A_n66A-n77A | DC_2A_ n77A |
| DC_2A-66A_n78A<br>DC_2A-66A_n78(2A) | DC_2A_n78A<br>DC_66A_n78A |
| DC_2A_n66A-n78A<br>DC_2A_n66A-n78(2A)<br>DC_2A_n66(2A)-n78A<br>DC_2A_n66(2A)-n78(2A) | DC_2A_n66A<br>DC_2A_n78A |
| DC_2A-66A-66A_n78A<br>DC_2A-66A-66A_n78(2A) | DC_2A_n78A<br>DC_66A_n78A |
| DC_2A-71A_n38A | DC_71A_n38A<br>DC_2A_n38A |
| DC_2A-2A-71A_n38A | DC_71A_n38A<br>DC_2A_n38A |
| DC_2A-71A_n66A | DC_2A_n66A<br>DC_71A_n66A |
| DC_2A-2A-71A_n66A | DC_2A_n66A<br>DC_71A_n66A |
| DC_2A-71A_n71A | DC_2A_n71A |
| DC_2A-71A_n78A | DC_71A_n78A<br>DC_2A_n78A |
| DC_2A-2A-71A_n78A | DC_71A_n78A<br>DC_2A_n78A |
| DC_2A-(n)71AA | DC_2A_n71A<br>DC_(n)71AA |
| DC_3A_n1A-n7A | DC_3A_n1A<br>DC_3A_n7A |
| DC_3C_n1A-n7A | DC_3A_n1A<br>DC_3A_n7A<br>DC_3C_n1A<br>DC_3C_n7A |
| DC_3A_n1A-n28A | DC_3A_n1A<br>DC_3A_n28A |
| DC_3C_n1A-n28A | DC_3A_n1A<br>DC_3A_n28A<br>DC_3C_n1A<br>DC_3C_n28A |
| DC_3A_n1A-n40A | DC_3A_n1A<br>DC_3A_n40A |
| DC_3A_n1A-n77A | DC_3A_n1A<br>DC_3A_n77A |
| DC_3A_n1A-n78A<br>DC_3C_n1A-n78A | DC_3A_n1A<br>DC_3C_n1A<br>DC_3A_n78A<br>DC_3C_n78A |
| DC_3A-3A_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A_n1A-n79A | DC_3A_n1A<br>DC_3A_n79A |
| DC_3A_n3A-n41A | DC_3A_n41A<br>DC_3A_n3A[2] |
| DC_3A_n3A-n77A | DC_3A_n77A<br>DC_3A_n3A[2] |
| DC_3A_n3A-n78A | DC_3A_n78A<br>DC_3A_n3A[2] |
| DC_3A-5A_n78A[5]<br>DC_3C-5A_n78A<br>DC_3A-5A_n78C[5] | DC_3A_n78A<br>DC_5A_n78A |
| DC_3A_n5A-n78A<br>DC_3C_n5A-n78A | DC_3A_n5A<br>DC_3A_n78A<br>DC_3C_n5A<br>DC_3C_n78A |
| DC_3A-5A_n79A | DC_3A_n79A<br>DC_5A_n79A |
| DC_3A-7A_n1A<br>DC_3A-7C_n1A<br>DC_3C-7A_n1A<br>DC_3C-7C_n1A | DC_3A_n1A<br>DC_3C_n1A<br>DC_7A_n1A<br>DC_7C_n1A |
| DC_3A-3A-7A_n1A<br>DC_3A-7A-7A_n1A<br>DC_3A-3A-7A-7A_n1A | DC_3A_n1A<br>DC_7A_n1A |
| DC_3A-7A_n5A<br>DC_3C-7A_n5A<br>DC_3A-7C_n5A<br>DC_3C-7C_n5A | DC_3A_n5A<br>DC_3C_n5A<br>DC_7A_n5A<br>DC_7C_n5A |
| DC_3A-7A_n7A<br>DC_3C-7A_n7A | DC_3A_n7A<br>DC_3C_n7A<br>DC_7A_n7A[2] |
| DC_3A-3A-7A_n7A | DC_3A_n7A<br>DC_7A_n7A[2] |
| DC_3A-7A_n8A | DC_3A_n8A<br>DC_7A_n8A |
| DC_3A-7A_n28A<br>DC_3A-7C_n28A<br>DC_3C-7A_n28A<br>DC_3C-7C_n28A | DC_3A_n28A<br>DC_3C_n28A<br>DC_7A_n28A<br>DC_7C_n28A |
| DC_3A-7A_n40A | DC_3A_n40A<br>DC_7A_n40A |
| DC_3A-7A_n77A | DC_3A_n77A<br>DC_7A_n77A |
| DC_3A-3A-7A_n77A<br>DC_3A-7A-7A_n77A<br>DC_3A-3A-7A-7A_n77A | DC_3A_n77A<br>DC_7A_n77A |
| DC_3A-7A_n78A[5]<br>DC_3C-7A_n78A[5]<br>DC_3A-7C_n78A[5]<br>DC_3C-7C_n78A[5]<br>DC_3A-7A_n78C[5] | DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_3A-7A_n78(2A)[5]<br>DC_3C-7A_n78(2A)[5]<br>DC_3A-7C_n78(2A)[5]<br>DC_3C-7C_n78(2A)[5] | DC_3A_n78A<br>DC_7A_n78A<br>DC_3C_n78A<br>DC_7C_n78A |
| DC_3A-3A-7A_n78A<br>DC_3A-7A-7A_n78A[5]<br>DC_3A-3A-7A-7A_n78A<br>DC_3A-7A-7A_n78C[5] | DC_3A_n78A<br>DC_7A_n78A |
| DC_3A_n7A-n78A<br>DC_3A_n7B-n78A<br>DC_3C_n7A-n78A<br>DC_3C_n7B-n78A | DC_3A_n7A<br>DC_3C_n7A<br>DC_3A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-3A_n7A-n78A<br>DC_3A-3A_n7B-n78A | DC_3A_n7A<br>DC_3A_n7B<br>DC_3A_n78A |
| DC_3A-8A_n1A<br>DC_3C-8A_n1A | DC_3A_n1A<br>DC_8A_n1A |
| DC_3A-3A-8A_n1A | DC_3A_n1A<br>DC_8A_n1A |
| DC_3A_n8A-n40A | DC_3A_n8A<br>DC_3A_n40A |
| DC_3A-8A_n28A | DC_3A_n28A<br>DC_8A_n28A |
| DC_3A-8A_n40A | DC_3A_n40A<br>DC_8A_n40A |
| DC_3A-8A_n77A<br>DC_3C-8A_n77A | DC_3A_n77A<br>DC_3C_n77ADC_8A_n77A |
| DC_3A-8A_n77(2A)<br>DC_3C-8A_n77(2A) | DC_3A_n77A<br>DC_3C_n77A<br>DC_8A_n77A |
| DC_3A-8A_n78A<br>DC_3C-8A_n78A | DC_3A_n78A<br>DC_8A_n78A |
| DC_3A-3A-8A_n78A | DC_3A_n78A<br>DC_8A_n78A |
| DC_3A-8A_n79A | DC_3A_n79A<br>DC_8A_n79A |
| DC_3A_n8A-n78A | DC_3A_n8A<br>DC_3A_n78A |
| DC_3A-11A_n28A | DC_3A_n28A<br>DC_11A_n28A |
| DC_3A-11A_n77A | DC_3A_n77A<br>DC_11A_n77A |
| DC_3A-11A_n77(2A) | DC_3A_n77A<br>DC_11A_n77A |
| DC_3A-18A_n3A | DC_3A_n3A[2]<br>DC_18A_n3A |
| DC_3A-18A_n28A | DC_3A_n28A<br>DC_18A_n28A |
| DC_3A-18A_n77A<br>DC_3A-18A_n77(2A) | DC_3A_n77A<br>DC_18A_n77A |
| DC_3A-18A_n78A<br>DC_3A-18A_n78(2A) | DC_3A_n78A<br>DC_18A_n78A |
| DC_3A-18A_n79A | DC_3A_n79A<br>DC_18A_n79A |
| DC_3A-19A_n1A | DC_3A_n1A<br>DC_19A_n1A |
| DC_3A-19A_n77A[5]<br>DC_3A-19A_n77C[5] | DC_3A_n77A<br>DC_19A_n77A |
| DC_3A-19A_n78A[5]<br>DC_3A-19A_n78C[5] | DC_3A_n78A<br>DC_19A_n78A |
| DC_3A-19A_n79A[5]<br>DC_3A-19A_n79C[5] | DC_3A_n79A<br>DC_19A_n79A |
| DC_3A-20A_n1A<br>DC_3C-20A_n1A | DC_3A_n1A<br>DC_3C_n1A<br>DC_20A_n1A |
| DC_3A-20A_n7A<br>DC_3C-20A_n7A | DC_3A_n7A<br>DC_3C_n7A<br>DC_20A_n7A |
| DC_3A-20A_n8A | DC_3A_n8A<br>DC_20A_n8A |
| DC_3A-20A_n28A[5,6]<br>DC_3C-20A_n28A | DC_3A_n28A<br>DC_3C_n28A<br>DC_20A_n28A |
| DC_3A-20A_n41A | DC_3A_n41A<br>DC_20A_n41A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3C-20A_n41A | DC_3C_n41A<br>DC_20A_n41A |
| DC_3A-20A_n38A | DC_3A_n38A<br>DC_20A_n38A |
| DC_3A-20A_n78A[5]<br>DC_3C-20A_n78A[5] | DC_3A_n78A<br>DC_3C_n78A<br>DC_20A_n78A |
| DC_3A_n20A-n78A | DC_3A_n20A<br>DC_3A_n78A |
| DC_3A-21A_n1A[10,11] | DC_3A_n1A<br>DC_21A_n1A |
| DC_3A-21A_n77A[5]<br>DC_3A-21A_n77C[5] | DC_3A_n77A<br>DC_21A_n77A |
| DC_3A-21A_n78A[5]<br>DC_3A-21A_n78C[5] | DC_3A_n78A<br>DC_21A_n78A |
| DC_3A-21A_n79A[5]<br>DC_3A-21A_n79C[5] | DC_3A_n79A<br>DC_21A_n79A |
| DC_3A-28A_n1A | DC_28A_n1A<br>DC_3A_n1A |
| DC_3A-28A_n5A<br>DC_3C-28A_n5A | DC_3A_n5A<br>DC_3C_n5A<br>DC_28A_n5A |
| DC_3A-28A_n7A<br>DC_3C-28A_n7A<br>DC_3A-28A_n7B<br>DC_3C-28A_n7B | DC_3A_n7A<br>DC_3C_n7A<br>DC_28A_n7A<br>DC_3A_n7B<br>DC_3C_n7B<br>DC_28A_n7B |
| DC_3A-28A_n40A | DC_3A_n40A<br>DC_28A_n40A |
| DC_3A-3A-28A_n7A<br>DC_3A-3A-28A_n7B | DC_3A_n7A<br>DC_28A_n7A<br>DC_3A_n7B<br>DC_28A_n7B |
| DC_3A_n28A-n40A | DC_3A_n28A<br>DC_3A_n40A |
| DC_3A_n28A-n41A | DC_3A_n28A<br>DC_3A_n41A |
| DC_3A-28A_n41A | DC_3A_n41A<br>DC_28A_n41A |
| DC_3A-28A_n77A<br>DC_3A-28A_n77C | DC_3A_n77A<br>DC_28A_n77A |
| DC_3A-28A_n77(2A) | DC_3A_n77A<br>DC_28A_n77A |
| DC_3A_n28A-n77A | DC_3A_n28A<br>DC_3A_n77A |
| DC_3A_n28A-n77(2A) | DC_3A_n28A<br>DC_3A_n77A |
| DC_3A-28A_n78A[5]<br>DC_3C-28A_n78A<br>DC_3A-28A_n78C[5] | DC_3A_n78A<br>DC_28A_n78A |
| DC_3A-3A-28A_n78A | DC_3A_n78A<br>DC_28A_n78A |
| DC_3A_n28A-n78A[5]<br>DC_3C_n28A-n78A | DC_3A_n28A<br>DC_3A_n78A<br>DC_3C_n28A |
| DC_3A-28A_n79A<br>DC_3A-28A_n79C | DC_3A_n79A<br>DC_28A_n79A |
| DC_3A-32A_n1A | DC_3A_n1A |
| DC_3A-32A_n78A<br>DC_3A-32A_n78(2A) | DC_3A_n78A |
| DC_3A-38A_n78A | DC_3A_n78A |
| DC_3A-40A_n1A<br>DC_3A-40C_n1A | DC_3A_n1A<br>DC_40A_n1A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A_n40A-n41A | DC_3A_n40A<br>DC_3A_n41A |
| DC_3A-40A_n78A<br>DC_3A-40C_n78A | DC_3A_n78A<br>DC_40A_n78A |
| DC_3A_n40A-n78A | DC_3A_n40A<br>DC_3A_n78A |
| DC_3A_n40A-n79A | DC_3A_n40A<br>DC_3A_n79A |
| DC_3A-41A_n3A<br>DC_3A-41C_n3A | DC_3A_n3A[2]<br>DC_41A_n3A<br>DC_41C_n3A |
| DC_3A-41A_n28A | DC_3A_n28A<br>DC_41A_n28A |
| DC_3A-41C_n28A | DC_3A_n28A<br>DC_41A_n28A<br>DC_41C_n28A |
| DC_3A-41A_n41A<br>DC_3A-41C_n41A<br>DC_3A-41D_n41A | DC_3A_n41A |
| DC_3A-(n)41AA<br>DC_3A-(n)41CA<br>DC_3A-(n)41DA | DC_3A_n41A<br>DC_(n)41AA |
| DC_3A-41A_n77A<br>DC_3A-41C_n77A | DC_3A_n77A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_3A-41A_n77(2A)<br>DC_3A-41C_n77(2A) | DC_3A_n77A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_3A-41A_n78A<br>DC_3A-41C_n78A | DC_3A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_3A_n41A-n78A | DC_3A_n41A<br>DC_3A_n78A |
| DC_3A-41A_n78(2A)<br>DC_3A-41C_n78(2A) | DC_3A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_3A-42A_n1A<br>DC_3A-42C_n1A | DC_3A_n1A<br>DC_42A_n1A |
| DC_3A-42A_n28A | DC_3A_n28A<br>DC_42A_n28A |
| DC_3A-42C_n28A | DC_3A_n28A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_3A-41A_n79A<br>DC_3A-41C_n79A | DC_3A_n79A<br>DC_41A_n79A |
| DC_3A_n41A-n77A | DC_3A_n41A<br>DC_3A_n77A |
| DC_3A_n41A-n79A | DC_3A_n41A<br>DC_3A_n79A |
| DC_3A_SUL_n41A-n80A<br>DC_3C_SUL_n41A-n80A | DC_3A_n41A<br>DC_3C_n41A<br>DC_3A_n80A_ULSUP-TDM_n41A<br>DC_3C_n80A_ULSUP-TDM_n41A |
| DC_3A-42A_n77A<br>DC_3A-42A_n77C<br>DC_3A-42C_n77A<br>DC_3A-42C_n77C<br>DC_3A-42D_n77A<br>DC_3A-42D_n77C<br>DC_3A-42E_n77A<br>DC_3A-42E_n77C | DC_3A_n77A |
| DC_3A-42A_n77(2A)<br>DC_3A-42C_n77(2A) | DC_3A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-42A_n78A<br>DC_3A-42A_n78C<br>DC_3A-42C_n78A<br>DC_3A-42C_n78C<br>DC_3A-42D_n78A<br>DC_3A-42D_n78C<br>DC_3A-42E_n78A<br>DC_3A-42E_n78C | DC_3A_n78A |
| DC_3A-42A_n79A<br>DC_3A-42A_n79C<br>DC_3A-42C_n79A<br>DC_3A-42C_n79C<br>DC_3A-42D_n79A<br>DC_3A-42D_n79C<br>DC_3A-42E_n79A<br>DC_3A-42E_n79C | DC_3A_n79A |
| DC_3A_n75A-n78A | DC_3A_n78A |
| DC_3A_n75A-n78(2A) | DC_3A_n78A |
| DC_3A_n77A-n79A | DC_3A_n77A<br>DC_3A_n79A |
| DC_3A_n78A-n79A | DC_3A_n78A<br>DC_3A_n79A |
| DC_3A_SUL_n77A-n80A | DC_3A_n77A<br>DC_3A_n80A_ULSUP-TDM_n77A |
| DC_3A_SUL_n77A-n84A | DC_3A_n77A<br>DC_3A_n84A |
| DC_3A_SUL_n78A-n80A[5]<br>DC_3C_SUL_n78A-n80A | DC_3A_n78A<br>DC_3A_n80A_ULSUP-TDM_n78A |
| DC_3A_SUL_n78A-n82A[5] | DC_3A_n78A<br>DC_3A_n82A |
| DC_3A_SUL_n78A-n84A | DC_3A_n78A<br>DC_3A_n84A |
| DC_3A_SUL_n79A-n80A[5] | DC_3A_n79A,<br>DC_3A_n80A_ULSUP-TDM_n79A |
| DC_4A-7A_n28A | DC_4A_n28A<br>DC_7A_n28A |
| DC_5A-7A_n7A | DC_5A_n7A<br>DC_7A_n7A[2] |
| DC_5A-7A_n66A<br>DC_5A-7C_n66A | DC_5A_n66A<br>DC_7A_n66A |
| DC_5A-7A_n71A | DC_5A_n71A<br>DC_7A_n71A |
| DC_5A-7A_n78A<br>DC_5A-7A_n78C | DC_5A_n78A<br>DC_7A_n78A |
| DC_5A_n7A-n78A | DC_5A_n7A<br>DC_5A_n78A |
| DC_5A_n7(2A)-n78A | DC_5A_n7A<br>DC_5A_n78A |
| DC_5A_n7A-n78(2A) | DC_5A_n7A<br>DC_5A_n78A |
| DC_5A_n7(2A)-n78(2A) | DC_5A_n7A<br>DC_5A_n78A |
| DC_5A-7A-7A_n78A<br>DC_5A-7A-7A_n78C | DC_5A_n78A<br>DC_7A_n78A |
| DC_5A_(n)12AA | DC_5A_n12A<br>DC_(n)12AA[2] |
| DC_5A-30A_n66A | DC_5A_n66A<br>DC_30A_n66A |
| DC_5A-41A_n79A | DC_5A_n79A<br>DC_41A_n79A |
| DC_5A-46A_n66A | DC_5A_n66A<br>DC_46A_n66A |
| DC_5A-48A_n12A | DC_5A_n12A<br>DC_48A_n12A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_5A-48A_n71A | DC_5A_n71A<br>DC_48A_n71A |
| DC_5A-66A_n2A<br>DC_5B-66A_n2A | DC_5A_n2A |
| DC_5A-5A-66A_n2A<br>DC_5A-66A-66A_n2A<br>DC_5B-66A-66A_n2A<br>DC_5A-5A-66A-66A_n2A | DC_5A_n2A |
| DC_5A-66A_n5A | DC_66A_n5A |
| DC_5A-66A-66A_n5A | DC_66A_n5A |
| DC_5A-66A_n7A<br>DC_5A-66A-66A_n7A | DC_5A_n7A<br>DC_66A_n7A |
| DC_5A-66A_n12A | DC_5A_n12A<br>DC_66A_n12A |
| DC_5A-66A_n48A<br>DC_5A-66A_n48B<br>DC_5A-66A-66A_n48A<br>DC_5A-66A-66A_n48B | DC_5A_n48A<br>DC_66A_n48A |
| DC_5A-66A_n66A | DC_5A_n66A |
| DC_5A-5A-66A_n66A<br>DC_5B-66A_n66A | DC_5A_n66A |
| DC_5A-5A-66A-66A_n66A<br>DC_5A-66A-66A_n66A<br>DC_5B-66A-66A_n66A | DC_5A_n66A |
| DC_5A-66A_n71A | DC_5A_n71A<br>DC_66A_n71A |
| DC_5A-66A_n77A | DC_5A_n77A<br>DC_66A_n77A |
| DC_5A-66A_n78A<br>DC_5A-66A_n78(2A) | DC_5A_n78A<br>DC_66A_n78A |
| DC_5A-13A_n2A | DC_5A_n2A<br>DC_13A_n2A |
| DC_5A-13A_n66A | DC_5A_n66A<br>DC_13A_n66A |
| DC_7A_n1A-n40A | DC_7A_n1A<br>DC_7A_n40A |
| DC_7A_n1A-n78A<br>DC_7C_n1A-n78A | DC_7A_n1A<br>DC_7A_n78A<br>DC_7C_n1A<br>DC_7C_n78A |
| DC_7A-7A_n1A-n78A | DC_7A_n1A<br>DC_7A_n78A |
| DC_7A_n3A-n78A<br>DC_7C_n3A-n78A | DC_7A_n3A<br>DC_7A_n78A<br>DC_7C_n3A<br>DC_7C_n78A |
| DC_7A_n5A-n78A<br>DC_7C_n5A-n78A | DC_7A_n5A<br>DC_7C_n5A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_7A_n7A-n78A | DC_7A_n78A<br>DC_7A_n7A[2] |
| DC_7A_n7A-n78(2A) | DC_7A_n78A<br>DC_7A_n7A[2] |
| DC_7A-8A_n1A | DC_7A_n1A, DC_8A_n1A |
| DC_7A-7A-8A_n1A | DC_7A_n1A<br>DC_8A_n1A |
| DC_7A-8A_n3A | DC_7A_n3A<br>DC_8A_n3A |
| DC_7A-8A_n28A | DC_7A_n28A<br>DC_8A_n28A |
| DC_7A-8A_n40A | DC_7A_n40A<br>DC_8A_n40A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_7A_n8A-n40A | DC_7A_n8A<br>DC_7A_n40A |
| DC_7A-8A_n77A | DC_7A_n77A, DC_8A_n77A |
| DC_7A-8A_n78A | DC_7A_n78A, DC_8A_n78A |
| DC_7A-7A-8A_n78A | DC_7A_n78A<br>DC_8A_n78A |
| DC_7A_n8A-n78A | DC_7A_n8A<br>DC_7A_n78A |
| DC_7A-13A_n66A<br>DC_7A-7A-13A_n66A<br>DC_7C-13A_n66A | DC_7A_n66A<br>DC_13A_n66A |
| DC_7A-20A_n1A<br>DC_7C-20A_n1A | DC_7A_n1A<br>DC_7C_n1A<br>DC_20A_n1A |
| DC_7A-20A_n3A<br>DC_7C-20A_n3A | DC_7A_n3A<br>DC_7C_n3A<br>DC_20A_n3A |
| DC_7A-20A_n8A | DC_7A_n8A<br>DC_20A_n8A |
| DC_7A-20A_n28A[6] | DC_7A_n28A<br>DC_20A_n28A |
| DC_7A-20A_n78A[5] | DC_7A_n78A<br>DC_20A_n78A |
| DC_7A-28A_n1A | DC_28A_n1A<br>DC_7A_n1A |
| DC_7A-28A_n2A | DC_7A_n2A<br>DC_28A_n2A |
| DC_7A-28A_n3A<br>DC_7C-28A_n3A | DC_7A_n3A<br>DC_7C_n3A<br>DC_28A_n3A |
| DC_7A-28A_n5A[6]<br>DC_7C-28A_n5A[6] | DC_7A_n5A<br>DC_7C_n5A<br>DC_28A_n5A |
| DC_7A-28A_n7A | DC_7A_n7A[2]<br>DC_28A_n7A |
| DC_7A_n28A-n40A | DC_7A_n28A<br>DC_7A_n40A |
| DC_7A-28A_n40A | DC_7A_n40A<br>DC_28A_n40A |
| DC_7A-28A_n66A<br>DC_7C-28A_n66A | DC_7A_n66A<br>DC_28A_n66A |
| DC_7A-28A_n78A[5]<br>DC_7C-28A_n78A[5] | DC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n78A |
| DC_7A_n28A-n78A[5]<br>DC_7C_n28A-n78A | DC_7A_n28A<br>DC_7A_n78A<br>DC_7C_n28A<br>DC_7C_n78A |
| DC_7A-32A_n1A | DC_7A_n1A |
| DC_7A-32A_n28A | DC_7A_n28A |
| DC_7A-32A_n78A | DC_7A_n78A |
| DC_7A-40A_n1A<br>DC_7A-40C_n1A | DC_7A_n1A<br>DC_40A_n1A |
| DC_7A-40A_n78A<br>DC_7A-40C_n78A | DC_7A_n78A<br>DC_40A_n78A |
| DC_7A_n40A-n78A | DC_7A_n40A<br>DC_7A_n78A |
| DC_7A-46A_n78A[3]<br>DC_7A-46C_n78A[3]<br>DC_7A-46D_n78A[3]<br>DC_7A-46E_n78A[3] | DC_7A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_7A-66A_n5A<br>DC_7C-66A_n5A<br>DC_7A-66A-66A_n5A<br>DC_7C-66A-66A_n5A<br>DC_7A-7A-66A_n5A<br>DC_7A-7A-66A-66A_n5A | DC_7A_n5A<br>DC_66A_n5A |
| DC_7A-66A_n7A<br>DC_7A-66A-66A_n7A | DC_7A_n7A[2]<br>DC_66A_n7A |
| DC_7A-66A_n28A | DC_7A_n28A<br>DC_66A_n28A |
| DC_7A-66A_n38A | 66A[9] |
| DC_7A-66A_n66A<br>DC_7C-66A_n66A | DC_7A_n66A<br>DC_66A_n66A[2] |
| DC_7A-7A-66A_n66A | DC_7A_n66A<br>DC_66A_n66A[2] |
| DC_7A-66A_n71A | DC_7A_n71A<br>DC_66A_n71A |
| DC_7A-66A-66A_n71A | DC_7A_n71A<br>DC_66A_n71A |
| DC_7A-66A_n77A<br>DC_7A-7A-66A_n77A<br>DC_7A-7A-66A_n77(2A)<br>DC_7A-66A_n77(2A)<br>DC_7C-66A_n77A<br>DC_7C-66A_n77(2A) | DC_7A_n77A<br>DC_66A_n77A |
| DC_7A_n66A-n78A<br>DC_7A-7A_n66A-n78A<br>DC_7C_n66A-n78A | DC_7A_n66A<br>DC_7A_n78A |
| DC_7A-66A_n78A<br>DC_7C-66A_n78A<br>DC_7A-66A_n78(2A)<br>DC_7C-66A_n78(2A) | DC_7A_n78A<br>DC_7C_n78A<br>DC_66A_n78A |
| DC_7A-7A-66A_n78A<br>DC_7A-7A-66A_n78(2A) | DC_7A_n78A<br>DC_66A_n78A |
| DC_7A-7A-66A-66A_n78A<br>DC_7A-7A-66A-66A_n78(2A) | DC_7A_n78A<br>DC_66A_n78A |
| DC_7A-66A-66A_n78A<br>DC_7C-66A-66A_n78A<br>DC_7A-66A-66A_n78(2A)<br>DC_7C-66A-66A_n78(2A) | DC_7A_n78A<br>DC_66A_n78A |
| DC_7A_SUL_n78A-n80A | DC_7A_n78A<br>DC_7A_n80A |
| DC_8A_n1A-n78A | DC_8A_n1A<br>DC_8A_n78A |
| DC_8A_n3A-n28A | DC_8A_n3A<br>DC_8A_n28A |
| DC_8A_n3A-n77A | DC_8A_n3A<br>DC_8A_n77A |
| DC_8A_n3A-n77(2A) | DC_8A_n3A<br>DC_8A_n77A |
| DC_8A-11A_n3A | DC_8A_n3A<br>DC_11A_n3A |
| DC_8A-11A_n28A | DC_8A_n28A<br>DC_11A_n28A |
| DC_8A-11A_n77A | DC_8A_n77A<br>DC_11A_n77A |
| DC_8A-11A_n77(2A) | DC_8A_n77A<br>DC_11A_n77A |
| DC_8A-11A_n78A | DC_8A_n78A<br>DC_11A_n78A |
| DC_8A-20A_n78A | DC_8A_n78A<br>DC_20A_n78A |
| DC_8A_n28A-n77A | DC_8A_n28A<br>DC_8A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_8A_n28A-n77(2A) | DC_8A_n28A<br>DC_8A_n77A |
| DC_8A-40A_n1A<br>DC_8A-40C_n1A | DC_8A_n1A<br>DC_40A_n1A |
| DC_8A_n40A-n41A | DC_8A_n40A<br>DC_8A_n41A |
| DC_8A-40A_n78A<br>DC_8A-40C_n78A | DC_8A_n78A<br>DC_40A_n78A |
| DC_8A_n40A-n78A | DC_8A_n40A<br>DC_8A_n78A |
| DC_8A_n40A-n79A | DC_8A_n40A<br>DC_8A_n79A |
| DC_8A_n41A-n79A | DC_8A_n41A<br>DC_8A_n79A |
| DC_8A-42A_n3A | DC_8A_n3A<br>DC_42A_n3A |
| DC_8A-42C_n3A | DC_8A_n3A<br>DC_42A_n3A<br>DC_42C_n3A |
| DC_8A-42A_n28A | DC_8A_n28A<br>DC_42A_n28A |
| DC_8A-42C_n28A | DC_8A_n28A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_8A-42A_n77A<br>DC_8A-42C_n77A | DC_8A_n77A |
| DC_8A-42A_n77(2A)<br>DC_8A-42C_n77(2A) | DC_8A_n77A |
| DC_8A_SUL_n41A-n81A | DC_8A_n41A,<br>DC_8A_n81A_ULSUP-TDM_n41A |
| DC_8A_SUL_n78A-n80A | DC_8A_n78A<br>DC_8A_n80A |
| DC_8A_SUL_n78A-n81A[5] | DC_8A_n78A,<br>DC_8A_n81A_ULSUP-TDM_n78A |
| DC_8A_SUL_n79A-n81A[5] | DC_8A_n79A,<br>DC_8A_n81A_ULSUP-TDM_n79A |
| DC_11A_n3A-n28A | DC_11A_n3A<br>DC_11A_n28A |
| DC_11A_n3A-n77A<br>DC_11A_n3A-n77(2A) | DC_11A_n3A<br>DC_11A_n77A |
| DC_11A-18A_n77A | DC_11A_n77A<br>DC_18A_n77A |
| DC_11A-18A_n78A | DC_11A_n78A<br>DC_18A_n78A |
| DC_11A_n28A-n77A<br>DC_11A_n28A-n77(2A) | DC_11A_n28A<br>DC_11A_n77A |
| DC_12A_(n)5AA | DC_12A_n5A<br>DC_(n)5AA[2] |
| DC_12A_n7A-n66A<br>DC_12A_n7(2A)-n66A | DC_12A_n7A<br>DC_12A_n66A |
| DC_12A_n7A-n78A | DC_12A_n7A<br>DC_12A_n78A |
| DC_12A_n7(2A)-n78A | DC_12A_n7A<br>DC_12A_n78A |
| DC_12A_n7A-n78(2A) | DC_12A_n7A<br>DC_12A_n78A |
| DC_12A_n7(2A)-n78(2A) | DC_12A_n7A<br>DC_12A_n78A |
| DC_12A-30A_n2A | DC_12A_n2A<br>DC_30A_n2A |
| DC_12A-30A_n66A | DC_12A_n66A<br>DC_30A_n66A |
| DC_12A-48A_n5A | DC_12A_n5A<br>DC_48A_n5A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_12A-66A_n2A | DC_12A_n2A<br>DC_66A_n2A |
| DC_12A-66A-66A_n2A | DC_12A_n2A<br>DC_66A_n2A |
| DC_12A-66A_n5A | DC_12A_n5A<br>DC_66A_n5A |
| DC_12A-66A_n25A | DC_12A_n25A<br>DC_66A_n25A |
| DC_12A-66A_n66A | DC_12A_n66A<br>DC_66A_n66A[2] |
| DC_13A_n2A-n77A | DC_13A_n2A<br>DC_13A_ n77A |
| DC_13A_n5A-n48A | DC_13A_ n48A |
| DC_13A-46A_n5A | DC_13A_n5A |
| DC_13A_n48A-n66A | DC_13A_n48A<br>DC_13A_n66A |
| DC_13A-66A_n2A | DC_13A_n2A<br>DC_66A_n2A |
| DC_13A-66A-66A_n2A | DC_13A_n2A<br>DC_66A_n2A |
| DC_13A-66A_n5A | DC_13A_n5A<br>DC_66A_n5A |
| DC_13A-66A_n48A<br>DC_13A-66A_n48B | DC_13A_n48A<br>DC_66A_n48A |
| DC_13A-66A-66A_n48A<br>DC_13A-66A-66A_n48B | DC_13A_n48A<br>DC_66A_n48A |
| DC_13A-66A_n66A | DC_13A_n66A |
| DC_13A-66A-66A_n66A | DC_13A_n66A |
| DC_13A-66A_n77A | DC_13A_n77A<br>DC_66A_n77A |
| DC_13A_n66A-n77A | DC_13A_n66A<br>DC_13A_n77A |
| DC_18A_n3A-n78A | DC_18A_n3A<br>DC_18A_n78A |
| DC_13A-48A_n2A<br>DC_13A-48C_n2A<br>DC_13A-48D_n2A<br>DC_13A-48E_n2A | DC_13A_n2A |
| DC_13A-48A_n66A<br>DC_13A-48C_n66A<br>DC_13A-48D_n66A<br>DC_13A-48E_n66A | DC_13A_n66A |
| DC_18A_n3A-n77A | DC_18A_n3A<br>DC_18A_n77A |
| DC_14A-66A_n2A | DC_14A_n2A<br>DC_66A_n2A |
| DC_14A-66A-66A_n2A | DC_14A_n2A<br>DC_66A_n2A |
| DC_14A-66A_n66A | DC_14A_n66A<br>DC_66A_n66A[2] |
| DC_18A_n3A-n41A | DC_18A_n3A<br>DC_18A_n41A |
| DC_18A_n28A-n41A | DC_18A_n28A<br>DC_18A_n41A |
| DC_18A-28A_n77A[5] | DC_18A_n77A<br>DC_28A_n77A |
| DC_18A_n28A-n77A[5] | DC_18A_n28A<br>DC_18A_n77A |
| DC_18A-28A_n78A[5] | DC_18A_n78A<br>DC_28A_n78A |
| DC_18A_n28A-n78A[5] | DC_18A_n28A<br>DC_18A_n78A |
| DC_18A-28A_n79A[5] | DC_18A_n79A<br>DC_28A_n79A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_18A-41A_n3A<br>DC_18A-41C_n3A | DC_18A_n3A<br>DC_41A_n3A<br>DC_41C_n3A |
| DC_18A-41A_n77A<br>DC_18A-41C_n77A | DC_18A_n77A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_18A-41A_n78A<br>DC_18A-41C_n78A | DC_18A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_18A_n41A-n77A | DC_18A_n41A<br>DC_18A_n77A |
| DC_18A-42A_n77A<br>DC_18A-42C_n77A | DC_18A_n77A |
| DC_18A_n41A-n78A | DC_18A_n41A<br>DC_18A_n78A |
| DC_18A-42A_n78A<br>DC_18A-42C_n78A | DC_18A_n78A |
| DC_18A-42A_n79A<br>DC_18A-42C_n79A | DC_18A_n79A |
| DC_19A-21A_n1A | DC_19A_n1A<br>DC_21A_n1A |
| DC_19A_n1A-n77A | DC_19A_n1A<br>DC_19A_n77A |
| DC_19A_n1A-n78A | DC_19A_n1A<br>DC_19A_n78A |
| DC_19A_n1A-n79A | DC_19A_n1A<br>DC_19A_n79A |
| DC_19A-21A_n78A[5]<br>DC_19A-21A_n78C[5] | DC_19A_n78A<br>DC_21A_n78A |
| DC_19A-21A_n79A[5]<br>DC_19A-21A_n79C[5] | DC_19A_n79A<br>DC_21A_n79A |
| DC_19A-21A_n77A[5]<br>DC_19A-21A_n77C[5] | DC_19A_n77A<br>DC_21A_n77A |
| DC_19A-42A_n1A[10,12]<br>DC_19A-42C_n1A[10,12] | DC_19A_n1A<br>DC_42A_n1A |
| DC_19A-42A_n77A<br>DC_19A-42A_n77C<br>DC_19A-42C_n77A<br>DC_19A-42C_n77C<br>DC_19A-42D_n77A<br>DC_19A-42D_n77C | DC_19A_n77A |
| DC_19A-42A_n78A<br>DC_19A-42A_n78C<br>DC_19A-42C_n78A<br>DC_19A-42C_n78C<br>DC_19A-42D_n78A<br>DC_19A-42D_n78C | DC_19A_n78A |
| DC_19A-42A_n79A<br>DC_19A-42A_n79C<br>DC_19A-42C_n79A<br>DC_19A-42C_n79C<br>DC_19A-42D_n79A<br>DC_19A-42D_n79C | DC_19A_n79A |
| DC_19A_n77A-n79A | DC_19A_n77A<br>DC_19A_n79A |
| DC_19A_n78A-n79A | DC_19A_n78A<br>DC_19A_n79A |
| DC_20A_n1A-n7A | DC_20A_n1A<br>DC_20A_n7A |
| DC_20A_n1A-n28A | DC_20A_n1A<br>DC_20A_n28A |
| DC_20A_n1A-n78A | DC_20A_n1A<br>DC_20A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_20A_n3A-n78A | DC_20A_n3A<br>DC_20A_n78A |
| DC_20A_n7A-n28A[5,6] | DC_20A_n7A<br>DC_20A_n28A |
| DC_20A_n8A-n75A[6] | DC_20A_n8A |
| DC_20A-28A_n3A | DC_20A_n3A<br>DC_28A_n3A |
| DC_20A_n28A-n75A[6] | DC_20A_n28A |
| DC_20A_n28A-n78A[5,6] | DC_20A_n28A<br>DC_20A_n78A |
| DC_20A-32A_n1A | DC_20A_n1A |
| DC_20A-32A_n3A | DC_20A_n3A |
| DC_20A-32A_n28A | DC_20A_n28A |
| DC_20A-32A_n78A<br>DC_20A-32A_n78(2A) | DC_20A_n78A |
| DC_20A-(n)38AA | DC_20A_n38A |
| DC_20A-38A_n78A | DC_20A_n78A<br>DC_38A_n78A |
| DC_20A_n41A-n78A | DC_20A_n41A<br>DC_20A_n78A |
| DC_20A-(n)41AA<br>DC_20A-(n)41CA<br>DC_20A-(n)41DA | DC_20A_n41A |
| DC_20A_n75A-n78A[5] | DC_20A_n78A |
| DC_20A_n76A-n78A[5] | DC_20A_n78A |
| DC_20A_SUL_n78A-n80A | DC_20A_n78A<br>DC_20A_n80A |
| DC_20A_SUL_n78A-n82A[5] | DC_20A_n78A<br>DC_20A_n82A_ULSUP-TDM_n78A |
| DC_20A_SUL_n78A-n83A[5] | DC_20A_n78A<br>DC_20A_n83A |
| DC_20A_n78A-n92A<br>DC_20A_n78(2A)-n92A | DC_20A_n78A<br>DC_20A_n92A_ULSUP-TDM_n78A |
| DC_21A_n1A-n77A | DC_21A_n1A<br>DC_21A_n77A |
| DC_21A_n1A-n78A | DC_21A_n1A<br>DC_21A_n78A |
| DC_21A_n1A-n79A | DC_21A_n1A<br>DC_21A_n79A |
| DC_21A-28A_n77A<br>DC_21A-28A_n77C | DC_21A_n77A<br>DC_28A_n77A |
| DC_21A-28A_n78A<br>DC_21A-28A_n78C | DC_21A_n78A<br>DC_28A_n78A |
| DC_21A-28A_n79A<br>DC_21A-28A_n79C | DC_21A_n79A<br>DC_28A_n79A |
| DC_21A-42A_n1A[10,12]<br>DC_21A-42C_n1A[10,12] | DC_21A_n1A<br>DC_42A_n1A |
| DC_21A-42A_n77A<br>DC_21A-42A_n77C<br>DC_21A-42C_n77A<br>DC_21A-42C_n77C<br>DC_21A-42D_n77A<br>DC_21A-42D_n77C<br>DC_21A-42E_n77A<br>DC_21A-42E_n77C | DC_21A_n77A |
| DC_21A-42A_n78A<br>DC_21A-42A_n78C<br>DC_21A-42C_n78A<br>DC_21A-42C_n78C<br>DC_21A-42D_n78A<br>DC_21A-42D_n78C<br>DC_21A-42E_n78A<br>DC_21A-42E_n78C | DC_21A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_21A-42A_n79A<br>DC_21A-42A_n79C<br>DC_21A-42C_n79A<br>DC_21A-42C_n79C<br>DC_21A-42D_n79A<br>DC_21A-42D_n79C<br>DC_21A-42E_n79A<br>DC_21A-42E_n79C | DC_21A_n79A |
| DC_28A-66A_n7A | DC_28A_n7A<br>DC_66A_n7A |
| DC_28A-66A_n66A | DC_28A_n66A<br>DC_66A_n66A[2] |
| DC_21A_n77A-n79A | DC_21A_n77A<br>DC_21A_n79A |
| DC_21A_n78A-n79A | DC_21A_n78A<br>DC_21A_n79A |
| DC_25A-41A_n41A<br>DC_25A-41C_n41A<br>DC_25A-41D_n41A<br>DC_25A-25A-41A_n41A<br>DC_25A-25A-41C_n41A<br>DC_25A-25A-41D_n41A | DC_25A_n41A<br>DC_41A_n41A |
| DC_25A-(n)41AA<br>DC_25A-25A-(n)41AA | DC_25A_n41A<br>DC_(n)41AA |
| DC_25A-(n)41CA<br>DC_25A-(n)41DA<br>DC_25A-25A-(n)41CA<br>DC_25A-25A-(n)41DA | DC_25A_n41A<br>DC_(n)41AA<br>DC_41A_n41A |
| DC_28A-41A_n77A<br>DC_28A-41C_n77A | DC_28A_n77A<br>DC_41A_n77A |
| DC_28A-41A_n78A<br>DC_28A-41C_n78A | DC_28A_n78A<br>DC_41A_n78A |
| DC_28A-41A_n79A<br>DC_28A-41C_n79A | DC_28A_n79A<br>DC_41A_n79A |
| DC_28A_n1A-n40A | DC_28A_n1A<br>DC_28A_n40A |
| DC_28A_n1A-n78A | DC_28A_n1A<br>DC_28A_n78A |
| DC_28A_n3A-n77A | DC_28A_n3A<br>DC_28A_n77A |
| DC_28A_n3A-n78A | DC_28A_n3A<br>DC_28A_n78A |
| DC_28A_n5A-n78A | DC_28A_n5A<br>DC_28A_n78A |
| DC_28A_n7A-n78A | DC_28A_n7A<br>DC_28A_n78A |
| DC_28A_n7B-n78A | DC_28A_n7A<br>DC_28A_n7B<br>DC_28A_n78A |
| DC_28A_n8A-n78A | DC_28A_n8A<br>DC_28A_n78A |
| DC_28A_n40A-n78A | DC_28A_n40A<br>DC_28A_n78A |
| DC_28A_SUL_n41A-n83A[5] | DC_28A_n41A<br>DC_28A_n83A_ULSUP-TDM_n41 |
| DC_28A-42A_n77A<br>DC_28A-42A_n77C<br>DC_28A-42C_n77A | DC_28A_n77A |
| DC_28A-42A_n78A<br>DC_28A-42A_n78C<br>DC_28A-42C_n78A | DC_28A_n78A |
| DC_28A-42A_n79A<br>DC_28A-42A_n79C<br>DC_28A-42C_n79A | DC_28A_n79A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_28A_SUL_n78A-n83A[5] | DC_28A_n78A<br>DC_28A_n83A_ULSUP-TDM_n78A |
| DC_29A-66A_n2A | DC_66A_n2A |
| DC_29A-66A-66A_n2A | DC_66A_n2A |
| DC_30A-66A_n2A | DC_30A_n2A<br>DC_66A_n2A |
| DC_30A-66A-66A_n2A | DC_30A_n2A<br>DC_66A_n2A |
| DC_30A-66A_n5A | DC_30A_n5A<br>DC_66A_n5A |
| DC_30A-66A-66A_n5A<br>DC_30A-66A-66A-66A_n5A | DC_30A_n5A<br>DC_66A_n5A |
| DC_39A_n40A-n41A | DC_39A_n40A<br>DC_39A_n41A |
| DC_39A_n40A-n79A | DC_39A_n40A<br>DC_39A_n79A |
| DC_39A_n41A-n79A | DC_39A_n41A<br>DC_39A_n79A |
| DC_40A_n41A-n79A | DC_40A_n41A<br>DC_40A_n79A |
| DC_41A_n3A-n41A | DC_41A_n3A<br>DC_41A_n41A |
| DC_41A_n3A-n77A | DC_41A_n3A<br>DC_41A_n77A |
| DC_41C_n3A-n77A | DC_41A_n3A<br>DC_41A_n77A<br>DC_41C_n3A<br>DC_41C_n77A |
| DC_41A_n3A-n78A | DC_41A_n3A<br>DC_41A_n78A |
| DC_41C_n3A-n78A | DC_41A_n3A<br>DC_41A_n78A<br>DC_41C_n3A<br>DC_41C_n78A |
| DC_41A_n28A-n41A | DC_41A_n28A |
| DC_41A_n28A-n77A | DC_41A_n28A<br>DC_41A_n77A |
| DC_41C_n28A-n77A | DC_41A_n28A<br>DC_41A_n77A<br>DC_41C_n28A<br>DC_41C_n77A |
| DC_41A_n28A-n78A | DC_41A_n28A<br>DC_41A_n78A |
| DC_41C_n28A-n78A | DC_41A_n28A<br>DC_41A_n78A<br>DC_41C_n28A<br>DC_41C_n78A |
| DC_(n)41AA-n78A<br>DC_(n)41CA-n78A<br>DC_(n)41DA-n78A | DC_41A_n78A |
| DC_41A_n41A-n77A | DC_41A_n77A |
| DC_41A_n41A-n78A | DC_41A_n78A |
| DC_41A-42A_n77A<br>DC_41A-42C_n77A<br>DC_41C-42A_n77A<br>DC_41C-42C_n77A | DC_41A_n77A |
| DC_41A-42A_n77(2A)<br>DC_41A-42C_n77(2A) | DC_41A_n77A |
| DC_41A-42A_n78A<br>DC_41A-42C_n78A<br>DC_41C-42A_n78A<br>DC_41C-42C_n78A | DC_41A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_41A-42A_n79A<br>DC_41A-42C_n79A<br>DC_41C-42A_n79A<br>DC_41C-42C_n79A | DC_41A_n79A |
| DC_42A_n1A-n77A<br>DC_42C_n1A-n77A | N/A |
| DC_42A_n1A-n78A<br>DC_42C_n1A-n78A | N/A |
| DC_42A_n1A-n79A<br>DC_42C_n1A-n79A | N/A |
| DC_42A_n3A-n28A | DC_42A_n3A<br>DC_42A_n28A |
| DC_42C_n3A-n28A | DC_42A_n3A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_42A_n3A-n77A<br>DC_42A_n3A-n77(2A) | DC_42A_n3A |
| DC_42C_n3A-n77A<br>DC_42C_n3A-n77(2A) | DC_42A_n3A<br>DC_42C_n3A |
| DC_42A_n28A-n77A | DC_42A_n28A |
| DC_42A_n28A-n77(2A) | DC_42A_n28A |
| DC_42C_n28A-n77A | DC_42A_n28A<br>DC_42C_n28A |
| DC_42C_n28A-n77(2A) | DC_42A_n28A<br>DC_42C_n28A |
| DC_46A-66A_n5A<br>DC_46C-66A_n5A<br>DC_46D-66A_n5A<br>DC_46E-66A_n5A | DC_66A_n5A |
| DC_46A-66A_n25A<br>DC_46C-66A_n25A<br>DC_46D-66A_n25A | DC_66A_n25A |
| DC_46A-66A_n41A<br>DC_46C-66A_n41A<br>DC_46D-66A_n41A | DC_66A_n41A |
| DC_46A-66A_n41(2A)<br>DC_46C-66A_n41(2A)<br>DC_46D-66A_n41(2A) | DC_66A_n41A |
| DC_46A-66A_n71A<br>DC_46C-66A_n71A<br>DC_46D-66A_n71A | DC_66A_n71A |
| DC_48A_(n)5AA | DC_48A_n5A<br>DC_(n)5AA[2] |
| DC_48A_(n)12AA | DC_48A_n12A<br>DC_(n)12AA[2] |
| DC_48A_n25A-n48A | DC_48A_n25A |
| DC_48A_n48A-n66A | DC_48A_n66A |
| DC_48A-66A_n5A<br>DC_48C-66A_n5A<br>DC_48D-66A_n5A<br>DC_48E-66A_n5A | DC_66A_n5A |
| DC_48A-66A_n12A | DC_48A_n12A<br>DC_66A_n12A |
| DC_48A-66A_n25A<br>DC_48C-66A_n25A<br>DC_48D-66A_n25A | DC_48A_n25A<br>DC_66A_n25A |
| DC_48A-66A_n48A | DC_66A_n48A |
| DC_48A-66A_n71A | DC_48A_n71A<br>DC_66A_n71A |
| DC_66A-(n)5AA | DC_66A_n5A<br>DC_(n)5AA[2] |
| DC_66A_n2A-n77A | DC_66A_n2A<br>DC_66A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_66A_n5A-n48A | DC_66A_n5A<br>DC_66A_n48A |
| DC_66A_n5A-n77A<br>DC_66A-66A_n5A-n77A | DC_66A_n5A<br>DC_66A_ n77A |
| DC_66A_n7A-n78A<br>DC_66A-66A_n7A-n78A | DC_66A_n7A<br>DC_66A_n78A |
| DC_66A_n7(2A)-n78A<br>DC_66A-66A_n7(2A)-n78A | DC_66A_n7A<br>DC_66A_n78A |
| DC_66A_n7A-n78(2A)<br>DC_66A-66A_n7A-n78(2A) | DC_66A_n7A<br>DC_66A_n78A |
| DC_66A_n7(2A)-n78(2A)<br>DC_66A-66A_n7(2A)-n78(2A) | DC_66A_n7A<br>DC_66A_n78A |
| DC_66A_n25A-n71A | DC_66A_n25A<br>DC_66A_n71A |
| DC_66A_n38A-n66A | DC_66A_n38A<br>DC_66A_n66A[2] |
| DC_66A_n38A-n78A | DC_66A_n38A<br>DC_66A_n78A |
| DC_66A_n66A-n77A | DC_66A_n77A |
| DC_66A_n66A-n78A | DC_66A_n66A[2]<br>DC_66A_n78A |
| DC_66A_(n)12AA | DC_66A_n12A<br>DC_(n)12AA[2] |
| DC_66A-(n)71AA<br>DC_66C-(n)71AA | DC_66A_n71A<br>DC_(n)71AA |
| DC_66A_n25A-n41A<br>DC_66A_n25A-n41C | DC_66A_n25A<br>DC_66A_n41A |
| DC_66A_n25A-n41(2A) | DC_66A_n25A<br>DC_66A_n41A |
| DC_66A_n25A-n48A | DC_66A_n25A<br>DC_66A_n48A |
| DC_66A_n41A-n71A<br>DC_66A_n41C-n71A | DC_66A_n41A<br>DC_66A_n71A |
| DC_66A_n41(2A)-n71A | DC_66A_n41A<br>DC_66A_n71A |
| DC_66A-71A_n38A | DC_71A_n38A<br>DC_66A_n38A |
| DC_66A-71A_n66A | DC_71A_n66A<br>DC_66A_n66A[2] |
| DC_66A-71A_n71A | DC_66A_n71A |
| DC_66A-71A_n78A | DC_71A_n78A<br>DC_66A_n78A |
| DC_66A_SUL_n78A-n86A[5]<br>DC_66A_SUL_n78(2A)-n86A[5] | DC_66A_n78A<br>DC_66A_n86A_ULSUP-TDM_n78A |

NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.
NOTE 2: Only single switched UL is supported
NOTE 3: Restricted to E-UTRA operation when inter-band carrier aggregation is configured. The downlink operating band for Band 46 is paired with the uplink operating band (external E-UTRA band) of the carrier aggregation configuration that is supporting the configured Pcell.
NOTE 4: If a UE is configured with both NR UL and NR SUL carriers in a cell, the switching time between NR UL carrier and NR SUL carrier can be up to 140us and placed in SUL resources.
NOTE 5: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability
NOTE 6: The frequency range in band n28 is restricted for this band combination to 703-733 MHz for the UL and 758 – 788 MHz for the DL.
NOTE 7: Void.
NOTE 8: UL carrier shall be supported in Band 2 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB.
NOTE 9: UL carrier shall be supported in Band 66 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB.
NOTE 10: The frequency range in band n1 is restricted for this band combination to 1940 - 1960 MHz for the UL and 2130-2150 MHz for the DL.
NOTE 11: The frequency range in band 3 is restricted for this band combination to 1765 - 1785 MHz for the UL and 1860-1880 MHz for the DL.
NOTE 12: The frequency range in band 42 is restricted for this band combination to 3440 - 3520 MHz.

### 5.5B.4a.2 Inter-band NE-DC configurations within FR1 (three bands)

**Table 5.5B.4a.2-1: Inter-band NE-DC configurations within FR1 (three bands)**

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n78A_1A-3A | DC_n78A_1A<br>DC_n78A_3A |
| DC_n78A_1A-3C | DC_n78A_1A<br>DC_n78A_3A |
| DC_n78A_1A-5A | DC_n78A_1A<br>DC_n78A_5A |
| DC_n78A_1A-7A | DC_n78A_1A<br>DC_n78A_7A |
| DC_n78A_1A-7A-7A | DC_n78A_1A<br>DC_n78A_7A |
| DC_n78A_1A-8A | DC_n78A_1A<br>DC_n78A_8A |
| DC_n78A_3A-5A | DC_n78A_3A<br>DC_n78A_5A |
| DC_n78A_3A-7A | DC_n78A_3A<br>DC_n78A_7A |
| DC_n78A_3A-7A-7A | DC_n78A_3A<br>DC_n78A_7A |
| DC_n78A_3A-8A | DC_n78A_3A<br>DC_n78A_8A |
| DC_n78A_3C-8A | DC_n78A_3A<br>DC_n78A_8A |
| DC_n78A_5A-7A | DC_n78A_5A<br>DC_n78A_7A |
| DC_n78A_5A-7A-7A | DC_n78A_5A<br>DC_n78A_7A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications. | |

### 5.5B.4.3 Inter-band EN-DC configurations within FR1 (four bands)

**Table 5.5B.4.3-1: Inter-band EN-DC configurations within FR1 (four bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A_n3A-n41A | DC_1A_n3A<br>DC_1A_n41A<br>DC_3A_n3A[4]<br>DC_3A_n41A |
| DC_1A-3A_n3A-n77A | DC_1A_n3A<br>DC_1A_n77A<br>DC_3A_n3A[1]<br>DC_3A_n77A |
| DC_1A-3A_n3A-n78A | DC_1A_n3A<br>DC_1A_n78A<br>DC_3A_n3A[1]<br>DC_3A_n78A |
| DC_1A-3A-5A_n78A[2]<br>DC_1A-3A-5A_n78C[2]<br>DC_1A-3C-5A_n78A<br>DC_1A-1A-3A-5A_n78A<br>DC_1A-1A-3C-5A_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_5A_n78A |
| DC_1A-3A_n5A-n78A<br>DC_1A-3C_n5A-n78A | DC_1A_n5A<br>DC_1A_n78A<br>DC_3A_n5A<br>DC_3A_n78A<br>DC_3C_n5A<br>DC_3C_n78A |
| DC_1A-3A-5A_n79A | DC_1A_n79A<br>DC_3A_n79A<br>DC_5A_n79A |
| DC_1A-3A-7A_n5A<br>DC_1A-3A-7C_n5A<br>DC_1A-3C-7A_n5A<br>DC_1A-3C-7C_n5A | DC_1A_n5A<br>DC_3A_n5A<br>DC_3C_n5A<br>DC_7A_n5A<br>DC_7C_n5A |
| DC_1A-3A-7A_n7A<br>DC_1A-3C-7A_n7A | DC_1A_n7A<br>DC_3A_n7A<br>DC_7A_n7A[4] |
| DC_1A-1A-3A-7A_n7A<br>DC_1A-1A-3C-7A_n7A<br>DC_1A-3A-3A-7A_n7A | DC_1A_n7A<br>DC_3A_n7A<br>DC_3C_n7A<br>DC_7A_n7A[4] |
| DC_1A-3A-7A_n8A | DC_1A_n8A<br>DC_3A_n8A<br>DC_7A_n8A |
| DC_1A-3A-7A_n28A<br>DC_1A-3A-7C_n28A<br>DC_1A-3C-7A_n28A<br>DC_1A-3C-7C_n28A<br>DC_1A-1A-3C-7A_n28A | DC_1A_n28A<br>DC_3A_n28A<br>DC_3C_n28A<br>DC_7A_n28A<br>DC_7C_n28A |
| DC_1A-3A-7A_n40A | DC_1A_n40A<br>DC_3A_n40A<br>DC_7A_n40A |
| DC_1A-3A-7A_n78A[2]<br>DC_1A-3A-7C_n78A<br>DC_1A-3C-7A_n78A[2]<br>DC_1A-3C-7C_n78A<br>DC_1A-3A-7A_n78C[2] | DC_1A_n78A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_1A-3A-7A_n78(2A)<br>DC_1A-3C-7A_n78(2A)<br>DC_1A-3A-7C_n78(2A)<br>DC_1A-3C-7C_n78(2A)<br>DC_1A-1A-3A-7A_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_1A-3A_n7A-n78A<br>DC_1A-3A_n7B-n78A | DC_1A_n7A<br>DC_1A_n78A<br>DC_3A_n7A<br>DC_3A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A_n7A-n78(2A)<br>DC_1A-3C_n7A-n78(2A) | DC_1A_n7A<br>DC_1A_n78A<br>DC_3A_n7A<br>DC_3A_n78A |
| DC_1A-3C_n7A-n78A | DC_1A_n7A<br>DC_1A_n78A<br>DC_3A_n7A<br>DC_3A_n78A<br>DC_3C_n7A |
| DC_1A-3A-7A-7A_n78A[2]<br>DC_1A-1A-3C-7A_n78A<br>DC_1A-3A-7A-7A_n78C[2] | DC_1A_n78A<br>DC_3A_n78A<br>DC_7A_n78A |
| DC_1A-3A-8A_n28A | DC_1A_n28A<br>DC_3A_n28A<br>DC_8A_n28A |
| DC_1A-3A-8A_n77A<br>DC_1A-3C-8A_n77A | DC_1A_n77A<br>DC_3A_n77A<br>DC_3C_n77A<br>DC_8A_n77A |
| DC_1A-3A-8A_n77(2A)<br>DC_1A-3C-8A_n77(2A) | DC_1A_n77A<br>DC_3A_n77A<br>DC_3C_n77ADC_8A_n77A |
| DC_1A_n3A-n28A-n77A | DC_1A_n3A<br>DC_1A_n28A<br>DC_1A_n77A |
| DC_1A_n3A-n28A-n77(2A) | DC_1A_n3A<br>DC_1A_n28A<br>DC_1A_n77A |
| DC_1A-3A-8A_n78A[2]<br>DC_1A-3C-8A_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_8A_n78A |
| DC_1A-3A-8A_n79A | DC_1A_n79A<br>DC_3A_n79A<br>DC_8A_n79A |
| DC_1A-3A-11A_n28A | DC_1A_n28A<br>DC_3A_n28A<br>DC_11A_n28A |
| DC_1A-3A-11A_n77A | DC_1A_n77A<br>DC_3A_n77A<br>DC_11A_n77A |
| DC_1A-3A-11A_n77(2A) | DC_1A_n77A<br>DC_3A_n77A<br>DC_11A_n77A |
| DC_1A-3A-18A_n3A | DC_1A_n3A<br>DC_3A_n3A[4]<br>DC_18A_n3A |
| DC_1A-3A-18A_n28A | DC_1A_n28A<br>DC_3A_n28A<br>DC_18A_n28A |
| DC_1A-3A-18A_n41A | DC_1A_n41A<br>DC_3A_n41A<br>DC_18A_n41A |
| DC_1A-3A-18A_n77A | DC_1A_n77A<br>DC_3A_n77A<br>DC_18A_n77A |
| DC_1A-3A-18A_n77(2A) | DC_1A_n77A<br>DC_3A_n77A<br>DC_18A_n77A |
| DC_1A-3A-18A_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_18A_n78A |
| DC_1A-3A-18A_n78(2A) | DC_1A_n78A<br>DC_3A_n78A<br>DC_18A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-18A_n79A | DC_1A_n79A<br>DC_3A_n79A<br>DC_18A_n79A |
| DC_1A-3A-19A_n77A[2]<br>DC_1A-3A-19A_n77C[2] | DC_1A_n77A<br>DC_3A_n77A<br>DC_19A_n77A |
| DC_1A-3A-19A_n78A[2]<br>DC_1A-3A-19A_n78C[2] | DC_1A_n78A<br>DC_3A_n78A<br>DC_19A_n78A |
| DC_1A-3A-19A_n79A[2]<br>DC_1A-3A-19A_n79C[2] | DC_1A_n79A<br>DC_3A_n79A<br>DC_19A_n79A |
| DC_1A-3A-20A_n8A | DC_1A_n8A<br>DC_3A_n8A<br>DC_20A_n8A |
| DC_1A-3A-20A_n28A[3] | DC_1A_n28A<br>DC_3A_n28A<br>DC_20A_n28A |
| DC_1A-3A-20A_n38A | DC_3A_n38A<br>DC_20A_n38A |
| DC_1A-3A-20A_n41A<br>DC_1A-3C-20A_n41A | DC_1A_n41A<br>DC_3A_n41A<br>DC_3C_n41A<br>DC_20A_n41A |
| DC_1A-3A-20A_n78A[2] | DC_1A_n78A<br>DC_3A_n78A<br>DC_20A_n78A |
| DC_1A-3A-21A_n77A[2]<br>DC_1A-3A-21A_n77C[2] | DC_1A_n77A<br>DC_3A_n77A<br>DC_21A_n77A |
| DC_1A-3A-21A_n78A[2]<br>DC_1A-3A-21A_n78C[2] | DC_1A_n78A<br>DC_3A_n78A<br>DC_21A_n78A |
| DC_1A-3A-21A_n79A[2]<br>DC_1A-3A-21A_n79C[2] | DC_1A_n79A<br>DC_3A_n79A<br>DC_21A_n79A |
| DC_1A-3A-28A_n5A<br>DC_1A-3C-28A_n5A | DC_1A_n5A<br>DC_3A_n5A<br>DC_3C_n5A<br>DC_28A_n5A |
| DC_1A-3A-28A_n7A<br>DC_1A-3C-28A_n7A<br>DC_1A-3A-28A_n7B<br>DC_1A-3C-28A_n7B | DC_1A_n7A<br>DC_3A_n7A<br>DC_3C_n7A<br>DC_28A_n7A |
| DC_1A-3A-3A-28A_n7A<br>DC_1A-1A-3A-28A_n7A<br>DC_1A-1A-3C-28A_n7A<br>DC_1A-1A-3A-3A-28A_n7A<br>DC_1A-3A-3A-28A_n7B<br>DC_1A-1A-3A-28A_n7B<br>DC_1A-1A-3C-28A_n7B<br>DC_1A-1A-3A-3A-28A_n7B | DC_1A_n7A<br>DC_3A_n7A<br>DC_3C_n7A<br>DC_28A_n7A |
| DC_1A-3A-28A_n40A | DC_1A_n40A<br>DC_3A_n40A<br>DC_28A_n40A |
| DC_1A-3A_n28A-n41A | DC_1A_n28A<br>DC_1A_n41A<br>DC_3A_n28A<br>DC_3A_n41A |
| DC_1A-3A-28A_n77A[2]<br>DC_1A-3A-28A_n77C | DC_1A_n77A<br>DC_3A_n77A<br>DC_28A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A_n28A-n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_3A_n28A<br>DC_3A_n77A |
| DC_1A-3A_n28A-n77(2A) | DC_1A_n28A<br>DC_1A_n77A<br>DC_3A_n28A<br>DC_3A_n77A |
| DC_1A-3A-28A_n78A[2]<br>DC_1A-3C-28A_n78A<br>DC_1A-3A-28A_n78C<br>DC_1A-1A-3A-28A_n78A<br>DC_1A-1A-3C-28A_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_28A_n78A |
| DC_1A-3A-28A_n79A[2]<br>DC_1A-3A-28A_n79C | DC_1A_n79A<br>DC_3A_n79A<br>DC_28A_n79A |
| DC_1A-3A_n28A-n78A[2]<br>DC_1A-3C_n28A-n78A | DC_1A_n28A<br>DC_1A_n78A<br>DC_3A_n28A<br>DC_3A_n78A<br>DC_3C_n28A |
| DC_1A-3A-32A_n78A<br>DC_1A-3A-32A_n78(2A) | DC_1A_n78A<br>DC_3A_n78A |
| DC_1A-3A_n38A-n78A | DC_3A_n38A<br>DC_3A_n78A |
| DC_1A-3A_n40A-n78A | DC_1A_n40A<br>DC_1A_n78A<br>DC_3A_n40A<br>DC_3A_n78A |
| DC_1A-3A-40A_n78A<br>DC_1A-3A-40C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_40A_n78A |
| DC_1A-3A-41A_n3A<br>DC_1A-3A-41C_n3A | DC_1A_n3A<br>DC_3A_n3A[4]<br>DC_41A_n3A<br>DC_41C_n3A |
| DC_1A-3A-41A_n28A<br>DC_1A-3A-41C_n28A | DC_1A_n28A<br>DC_3A_n28A<br>DC_41A_n28A<br>DC_41C_n28A |
| DC_1A-3A-41A_n41A | DC_1A_n41A<br>DC_3A_n41A |
| DC_1A-3A_(n)41AA | DC_1A_n41A<br>DC_3A_n41A |
| DC_1A-3A-40A_n78A<br>DC_1A-3A-40C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_40A_n78A |
| DC_1A-3A-41A_n77A<br>DC_1A-3A-41C_n77A | DC_1A_n77A<br>DC_3A_n77A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_1A-3A-41A_n77(2A)<br>DC_1A-3A-41C_n77(2A) | DC_1A_n77A<br>DC_3A_n77A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_1A-3A_n41A-n77A | DC_1A_n41A<br>DC_1A_n77A<br>DC_3A_n41A<br>DC_3A_n77A |
| DC_1A-3A-41A_n78A<br>DC_1A-3A-41C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A_n41A-n78A | DC_1A_n41A<br>DC_1A_n78A<br>DC_3A_n41A<br>DC_3A_n78A |
| DC_1A-3A-41A_n78(2A)<br>DC_1A-3A-41C_n78(2A) | DC_1A_n78A<br>DC_3A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_1A-3A-41A_n79A<br>DC_1A-3A-41C_n79A | DC_1A_n79A<br>DC_3A_n79A<br>DC_41A_n79A |
| DC_1A-3A-42A_n77A<br>DC_1A-3A-42A_n77C<br>DC_1A-3A-42C_n77A<br>DC_1A-3A-42C_n77C<br>DC_1A-3A-42D_n77A | DC_1A_n77A<br>DC_3A_n77A |
| DC_1A-3A-42A_n77(2A)<br>DC_1A-3A-42C_n77(2A) | DC_1A_n77A<br>DC_3A_n77A |
| DC_1A-3A-42A_n78A<br>DC_1A-3A-42A_n78C<br>DC_1A-3A-42C_n78A<br>DC_1A-3A-42C_n78C<br>DC_1A-3A-42D_n78A | DC_1A_n78A<br>DC_3A_n78A |
| DC_1A-3A-42A_n79A<br>DC_1A-3A-42A_n79C<br>DC_1A-3A-42C_n79A<br>DC_1A-3A-42C_n79C<br>DC_1A-3A-42D_n79A | DC_1A_n79A<br>DC_3A_n79A |
| DC_1A-3A_n77A-n79A | DC_1A_n77A<br>DC_1A_n79A<br>DC_3A_n77A<br>DC_3A_n79A |
| DC_1A-3A_n78A-n79A | DC_1A_n78A<br>DC_1A_n79A<br>DC_3A_n78A<br>DC_3A_n79A |
| DC_1A-3A_SUL_n78A-n80A | DC_1A_n78A<br>DC_1A_n80A<br>DC_3A_n78A<br>DC_3A_n80A_ULSUP-TDM_n78A |
| DC_1A-5A-7A_n78A<br>DC_1A-5A-7A_n78C | DC_1A_n78A<br>DC_5A_n78A<br>DC_7A_n78A |
| DC_1A-5A-7A-7A_n78A<br>DC_1A-5A-7A-7A_n78C | DC_1A_n78A<br>DC_5A_n78A<br>DC_7A_n78A |
| DC_1A-5A-41A_n79A | DC_1A_n79A<br>DC_5A_n79A<br>DC_41A_n79A |
| DC_1A-7A_n3A-n78A | DC_1A_n3A<br>DC_1A_n78A<br>DC_7A_n3A<br>DC_7A_n78A |
| DC_1A-7A_n5A-n78A<br>DC_1A-7C_n5A-n78A | DC_1A_n5A<br>DC_1A_n78A<br>DC_7A_n5A<br>DC_7A_n78A<br>DC_7C_n5A<br>DC_7C_n78A |
| DC_1A-7A-8A_n3A | DC_1A_n3A<br>DC_7A_n3A<br>DC_8A_n3A |
| DC_1A-7A-8A_n28A | DC_1A_n28A<br>DC_7A_n28A<br>DC_8A_n28A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-7A_n7A-n78A | DC_1A_n7A<br>DC_7A_n7A[4]<br>DC_1A_n78A<br>DC_7A_n78A |
| DC_1A-7A-8A_n78A | DC_1A_n78A<br>DC_7A_n78A<br>DC_8A_n78A |
| DC_1A-7A-20A_n3A<br>DC_1A-7C-20A_n3A | DC_1A_n3A<br>DC_7A_n3A<br>DC_7C_n3A<br>DC_20A_n3A |
| DC_1A-7A-20A_n8A | DC_1A_n8A<br>DC_7A_n8A<br>DC_20A_n8A |
| DC_1A-7A-20A_n28A[3] | DC_1A_n28A<br>DC_7A_n28A<br>DC_20A_n28A |
| DC_1A-7A-20A_n78A[2] | DC_1A_n78A<br>DC_7A_n78A<br>DC_20A_n78A |
| DC_1A-7A-28A_n3A | DC_1A_n3A<br>DC_7A_n3A<br>DC_28A_n3A |
| DC_1A-7A-28A_n5A<br>DC_1A-7C-28A_n5A | DC_1A_n5A<br>DC_7A_n5A<br>DC_7C_n5A<br>DC_28A_n5A |
| DC_1A-7A-28A_n7A | DC_1A_n7A<br>DC_7A_n7A[4]<br>DC_28A_n7A |
| DC_1A-1A-7A-28A_n7A | DC_1A_n7A<br>DC_7A_n7A[4]<br>DC_28A_n7A |
| DC_1A-7A-28A_n40A | DC_1A_n40A<br>DC_7A_n40A<br>DC_28A_n40A |
| DC_1A-7A-28A_n78A<br>DC_1A-7C-28A_n78A | DC_1A_n78A<br>DC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n78A |
| DC_1A-7A_n28A-n78A[2]<br>DC_1A-7C_n28A-n78A | DC_1A_n28A<br>DC_1A_n78A<br>DC_7A_n28A<br>DC_7A_n78A<br>DC_7C_n28A<br>DC_7C_n78A |
| DC_1A-7A-32A_n28A | DC_1A_n28A<br>DC_7A_n28A |
| DC_1A-7A-40A_n78A<br>DC_1A-7A-40C_n78A | DC_1A_n78A<br>DC_7A_n78A<br>DC_40A_n78A |
| DC_1A-7A_n40A-n78A | DC_1A_n40A<br>DC_1A_n78A<br>DC_7A_n40A<br>DC_7A_n78A |
| DC_1A-8A_n3A-n28A | DC_1A_n3A<br>DC_1A_n28A<br>DC_8A_n3A<br>DC_8A_n28A |
| DC_1A-8A_n3A-n77A<br>DC_1A-8A_n3A-n77(2A) | DC_1A_n3A<br>DC_1A_n77A<br>DC_8A_n3A<br>DC_8A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-8A-11A_n3A | DC_1A_n3A<br>DC_8A_n3A<br>DC_11A_n3A |
| DC_1A-8A-11A_n28A | DC_1A_n28A<br>DC_8A_n28A<br>DC_11A_n28A |
| DC_1A-8A-11A_n77A | DC_1A_n77A<br>DC_8A_n77A<br>DC_11A_n77A |
| DC_1A-8A-11A_n77(2A) | DC_1A_n77A<br>DC_8A_n77A<br>DC_11A_n77A |
| DC_1A-8A-11A_n78A | DC_1A_n78A<br>DC_8A_n78A<br>DC_11A_n78A |
| DC_1A-8A-20A_n78A | DC_1A_n78A<br>DC_8A_n78A<br>DC_20A_n78A |
| DC_1A-8A_n28A-n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_8A_n28A<br>DC_8A_n77A |
| DC_1A-8A_n28A-n77(2A) | DC_1A_n28A<br>DC_1A_n77A<br>DC_8A_n28A<br>DC_8A_n77A |
| DC_1A-8A_n40A-n78A | DC_1A_n40A<br>DC_1A_n78A<br>DC_8A_n40A<br>DC_8A_n78A |
| DC_1A-8A-40A_n78A<br>DC_1A-8A-40C_n78A | DC_1A_n78A<br>DC_8A_n78A<br>DC_40A_n78A |
| DC_1A-8A-42A_n28A<br>DC_1A-8A-42C_n28A | DC_1A_n28A<br>DC_8A_n28A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_1A-8A-42A_n77A<br>DC_1A-8A-42C_n77A | DC_1A_n77A<br>DC_8A_n77A |
| DC_1A-8A-42A_n77(2A)<br>DC_1A-8A-42C_n77(2A) | DC_1A_n77A<br>DC_8A_n77A |
| DC_1A-11A_n3A-n28A_ | DC_1A_n3A<br>DC_1A_n28A<br>DC_11A_n3A<br>DC_11A_n28A |
| DC_1A-11A-18A_n77A | DC_1A_n77A<br>DC_11A_n77A<br>DC_18A_n77A |
| DC_1A-11A-18A_n78A | DC_1A_n78A<br>DC_11A_n78A<br>DC_18A_n78A |
| DC_1A-18A_n3A-n41A | DC_1A_n3A<br>DC_1A_n41A<br>DC_18A_n3A<br>DC_18A_n41A |
| DC_1A-18A_n3A-n77A | DC_1A_n3A<br>DC_1A_n77A<br>DC_18A_n3A<br>DC_18A_n77A |
| DC_1A-18A_n3A-n78A | DC_1A_n3A<br>DC_1A_n78A<br>DC_18A_n3A<br>DC_18A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-18A_n28A-n41A | DC_1A_n28A<br>DC_1A_n41A<br>DC_18A_n28A<br>DC_18A_n41A |
| DC_1A-18A-28A_n77A | DC_1A_n77A<br>DC_18A_n77A<br>DC_28A_n77A |
| DC_1A-18A_n28A-n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_18A_n28A<br>DC_18A_n77A |
| DC_1A-18A-28A_n78A | DC_1A_n78A<br>DC_18A_n78A<br>DC_28A_n78A |
| DC_1A-18A_n28A-n78A | DC_1A_n28A<br>DC_1A_n78A<br>DC_18A_n28A<br>DC_18A_n78A |
| DC_1A-18A-28A_n79A[2] | DC_1A_n79A<br>DC_18A_n79A<br>DC_28A_n79A |
| DC_1A-18A-41A_n3A<br>DC_1A-18A-41C_n3A | DC_1A_n3A<br>DC_18A_n3A<br>DC_41A_n3A<br>DC_41C_n3A |
| DC_1A-18A-41A_n77A<br>DC_1A-18A-41C_n77A | DC_1A_n77A<br>DC_18A_n77A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_1A-18A_n41A-n77A | DC_1A_n41A<br>DC_1A_n77A<br>DC_18A_n41A<br>DC_18A_n77A |
| DC_1A-18A-41A_n78A<br>DC_1A-18A-41C_n78A | DC_1A_n78A<br>DC_18A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_1A-18A_n41A-n78A | DC_1A_n41A<br>DC_1A_n78A<br>DC_18A_n41A<br>DC_18A_n78A |
| DC_1A-18A-42A_n77A<br>DC_1A-18A-42C_n77A | DC_1A_n77A<br>DC_18A_n77A |
| DC_1A-18A-42A_n78A<br>DC_1A-18A-42C_n78A | DC_1A_n78A<br>DC_18A_n78A |
| DC_1A-18A-42A_n79A<br>DC_1A-18A-42C_n79A | DC_1A_n79A<br>DC_18A_n79A |
| DC_1A-19A-21A_n77A<br>DC_1A-19A-21A_n77C | DC_1A_n77A<br>DC_19A_n77A<br>DC_21A_n77A |
| DC_1A-19A-21A_n78A<br>DC_1A-19A-21A_n78C | DC_1A_n78A<br>DC_19A_n78A<br>DC_21A_n78A |
| DC_1A-19A-21A_n79A<br>DC_1A-19A-21A_n79C | DC_1A_n79A<br>DC_19A_n79A<br>DC_21A_n79A |
| DC_1A-19A-42A_n77A<br>DC_1A-19A-42A_n77C<br>DC_1A-19A-42C_n77A<br>DC_1A-19A-42C_n77C | DC_1A_n77A<br>DC_19A_n77A |
| DC_1A-19A-42A_n78A<br>DC_1A-19A-42A_n78C<br>DC_1A-19A-42C_n78A<br>DC_1A-19A-42C_n78C | DC_1A_n78A<br>DC_19A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-19A-42A_n79A<br>DC_1A-19A-42A_n79C<br>DC_1A-19A-42C_n79A<br>DC_1A-19A-42C_n79C | DC_1A_n79A<br>DC_19A_n79A |
| DC_1A-19A_n77A-n79A | DC_19A_n77A<br>DC_19A_n79A |
| DC_1A-19A_n78A-n79A | DC_19A_n78A<br>DC_19A_n79A |
| DC_1A-20A_n3A-n38A | DC_1A_n3A<br>DC_20A_n3A<br>DC_1A_n38A<br>DC_20A_n38A |
| DC_1A-20A_n3A-n78A | DC_1A_n3A<br>DC_20A_n3A<br>DC_1A_n78A<br>DC_20A_n78A |
| DC_1A-20A_n28A-n78A[2,3] | DC_1A_n28A<br>DC_1A_n78A<br>DC_20A_n28A<br>DC_20A_n78A |
| DC_1A-20A-32A_n3A | DC_1A_n3A<br>DC_20A_n3A |
| DC_1A-20A_(n)38AA | DC_1A_n38A<br>DC_20A_n38A |
| DC_1A-20A-38A_n78A | DC_1A_n78A |
| DC_1A-20A_n41A-n78A | DC_1A_n41A<br>DC_1A_n78A<br>DC_20A_n41A<br>DC_20A_n78A |
| DC_1A-21A-28A_n77A[2] | DC_1A_n77A<br>DC_21A_n77A<br>DC_28A_n77A |
| DC_1A-21A-28A_n78A[2] | DC_1A_n78A<br>DC_21A_n78A<br>DC_28A_n78A |
| DC_1A-21A-28A_n79A[2] | DC_1A_n79A<br>DC_21A_n79A<br>DC_28A_n79A |
| DC_1A-21A-42A_n77A<br>DC_1A-21A-42A_n77C<br>DC_1A-21A-42C_n77A<br>DC_1A-21A-42C_n77C<br>DC_1A-21A-42D_n77A<br>DC_1A-21A-42D_n77C | DC_1A_n77A<br>DC_21A_n77A |
| DC_1A-21A-42A_n78A<br>DC_1A-21A-42A_n78C<br>DC_1A-21A-42C_n78A<br>DC_1A-21A-42C_n78C<br>DC_1A-21A-42D_n78A<br>DC_1A-21A-42D_n78C | DC_1A_n78A<br>DC_21A_n78A |
| DC_1A-21A-42A_n79A<br>DC_1A-21A-42A_n79C<br>DC_1A-21A-42C_n79A<br>DC_1A-21A-42C_n79C<br>DC_1A-21A-42D_n79A<br>DC_1A-21A-42D_n79C | DC_1A_n79A<br>DC_21A_n79A |
| DC_1A-21A_n77A-n79A | DC_1A_n77A<br>DC_1A_n79A |
| DC_1A-21A_n78A-n79A | DC_1A_n78A<br>DC_1A_n79A |
| DC_1A-28A_n3A-n77A | DC_28A_n3A<br>DC_28A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-28A_n3A-n78A | DC_1A_n3A<br>DC_1A_n78A<br>DC_28A_n3A<br>DC_28A_n78A |
| DC_1A-28A_n5A-n78A | DC_1A_n5A<br>DC_1A_n78A<br>DC_28A_n5A<br>DC_28A_n78A |
| DC_1A-28A_n7A-n78A | DC_1A-n7A<br>DC_28A_n7A<br>DC_1A_n78A<br>DC_28A_n78A |
| DC_1A-28A_n7B-n78A | DC_1A-n7A<br>DC_1A-n7B<br>DC_28A_n7A<br>DC_28A_n7B<br>DC_1A_n78A<br>DC_28A_n78A |
| DC_1A-28A_n40A-n78A | DC_1A_n40A<br>DC_1A_n78A<br>DC_28A_n40A<br>DC_28A_n78A |
| DC_1A-28A-42A_n77A<br>DC_1A-28A-42C_n77A | DC_1A_n77A<br>DC_28A_n77A |
| DC_1A-28A-42A_n78A<br>DC_1A-28A-42C_n78A | DC_1A_n78A<br>DC_28A_n78A |
| DC_1A-28A-42A_n79A<br>DC_1A-28A-42C_n79A | DC_1A_n79A<br>DC_28A_n79A |
| DC_1A-41A_n3A-n41A | DC_1A_n3A<br>DC_1A_n41A<br>DC_41A_n3A |
| DC_1A-41A_n3A_n77A | DC_1A_n3A<br>DC_1A_n77A<br>DC_41A_n3A<br>DC_41A_n77A |
| DC_1A-41C_n3A_n77A | DC_41A_n3A<br>DC_41A_n77A<br>DC_41C_n3A<br>DC_41C_n77A |
| DC_1A-41A_n3A_n78A | DC_1A_n3A<br>DC_1A_n78A<br>DC_41A_n3A<br>DC_41A_n78A |
| DC_1A-41C_n3A_n78A | DC_41A_n3A<br>DC_41A_n78A<br>DC_41C_n3A<br>DC_41C_n78A |
| DC_1A-41A_n28A-n41A | DC_1A_n28A<br>DC_1A_n41A<br>DC_41A_n28A |
| DC_1A-41A_n28A_n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_41A_n28A<br>DC_41A_n77A |
| DC_1A-41C_n28A_n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_41A_n28A<br>DC_41A_n77A<br>DC_41C_n28A<br>DC_41C_n77A |
| DC_1A-41A_n28A_n78A | DC_1A_n28A<br>DC_1A_n78A<br>DC_41A_n28A<br>DC_41A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-41C_n28A_n78A | DC_1A_n28A<br>DC_1A_n78A<br>DC_41A_n28A<br>DC_41A_n78A<br>DC_41C_n28A<br>DC_41C_n78A |
| DC_1A-41A_n41A-n77A | DC_1A_n41A<br>DC_1A_n77A<br>DC_41A_n77A |
| DC_1A-41A_n41A-n78A | DC_1A_n41A<br>DC_1A_n78A<br>DC_41A_n78A |
| DC_1A-42A_n28A-n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_42A_n28A |
| DC_1A-42A_n28A-n77(2A) | DC_1A_n28A<br>DC_1A_n77A<br>DC_42A_n28A |
| DC_1A-42C_n28A-n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_1A-42C_n28A-n77(2A) | DC_1A_n28A<br>DC_1A_n77A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_1A-41A-42A_n77A<br>DC_1A-41A-42C_n77A<br>DC_1A-41C-42A_n77A<br>DC_1A-41C-42C_n77A | DC_1A_n77A<br>DC_41A_n77A |
| DC_1A-41A-42A_n77(2A)<br>DC_1A-41A-42C_n77(2A) | DC_1A_n77A<br>DC_41A_n77A |
| DC_1A-41A-42A_n78A<br>DC_1A-41A-42C_n78A<br>DC_1A-41C-42A_n78A<br>DC_1A-41C-42C_n78A | DC_1A_n78A<br>DC_41A_n78A |
| DC_1A-41A-42A_n79A<br>DC_1A-41A-42C_n79A<br>DC_1A-41C-42A_n79A<br>DC_1A-41C-42C_n79A | DC_1A_n79A<br>DC_41A_n79A |
| DC_1A-42A_n77A-n79A<br>DC_1A-42C_n77A-n79A | DC_1A_n77A<br>DC_1A_n79A |
| DC_1A-42A_n78A-n79A<br>DC_1A-42C_n78A-n79A | DC_1A_n78A<br>DC_1A_n79A |
| DC_2A-4A-7A_n28A | DC_2A_n28A<br>DC_4A_n28A<br>DC_7A_n28A |
| DC_2A-5A-7A_n7A | DC_2A_n7A<br>DC_5A_n7A<br>DC_7A_n7A[4] |
| DC_2A-5A-7A_n66A<br>DC_2A-5A-7C_n66A<br>DC_2A-5A-7A-7A_n66A | DC_2A_n66A<br>DC_5A_n66A<br>DC_7A_n66A |
| DC_2A-5A_(n)12AA | DC_5A_n12A<br>DC_2A_n12A<br>DC_(n)12AA[4] |
| DC_2A-12A_(n)5AA | DC_2A_n5A<br>DC_12A_n5A<br>DC_(n)5AA[4] |
| DC_2A-5A-48A_n12A | DC_2A_n12A<br>DC_5A_n12A<br>DC_48A_n12A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-5A-48A_n71A | DC_2A_n71A<br>DC_5A_n71A<br>DC_48A_n71A |
| DC_2A-5A-66A_n2A<br>DC_2A-5B-66A_n2A | DC_2A_n2A[4]<br>DC_5A_n2A<br>DC_66A_n2A |
| DC_2A-5A-5A-66A_n2A<br>DC_2A-5A-66A-66A_n2A<br>DC_2A-5B-66A-66A_n2A<br>DC_2A-5A-5A-66A-66A_n2A | DC_2A_n2A[4]<br>DC_5A_n2A<br>DC_66A_n2A |
| DC_2A-5A-66A_n5A | DC_2A_n5A<br>DC_66A_n5A |
| DC_2A-2A-5A-66A_n5A<br>DC_2A-2A-5A-66A-66A_n5A<br>DC_2A-5A-66A-66A_n5A | DC_2A_n5A<br>DC_66A_n5A |
| DC_2A-5A-66A_n7A<br>DC_2A-5A-66A-66A_n7A | DC_2A_n7A<br>DC_5A_n7A<br>DC_66A_n7A |
| DC_2A-5A-66A_n12A | DC_2A_n12A<br>DC_5A_n12A<br>DC_66A_n12A |
| DC_2A-5A-66A_n66A<br>DC_2A-5B-66A_n66A | DC_2A_n66A<br>DC_5A_n66A<br>DC_66A_n66A[4] |
| DC_2A-5A-5A-66A_n66A<br>DC_2A-5A-66A-66A_n66A<br>DC_2A-5B-66A-66A_n66A<br>DC_2A-2A-5A-66A_n66A<br>DC_2A-2A-5A-66A-66A_n66A<br>DC_2A-5A-5A-66A-66A_n66A | DC_5A_n66A |
| DC_2A-5A-66A_n71A | DC_2A_n71A<br>DC_5A_n71A<br>DC_66A_n71A |
| DC_2A-5A-66A_n77A<br>DC_2A-2A-5A-66A_n77A<br>DC_2A-5A-66A-66A_n77A | DC_2A_n77A<br>DC_5A_n77A<br>DC_66A_n77A |
| DC_2A-7A-13A_n66A<br>DC_2A-7A-7A-13A_n66A<br>DC_2A-7C-13A_n66A | DC_2A_n66A<br>DC_7A_n66A<br>DC_13A_n66A |
| DC_2A-7A-28A_n7A | DC_2A_n7A<br>DC_7A_n7A[4]<br>DC_28A_n7A |
| DC_2A-7A-28A_n66A<br>DC_2A-7C-28A_n66A | DC_2A_n66A<br>DC_7A_n66A<br>DC_28A_n66A |
| DC_2A-7A_n38A-n66A<br>DC_2A-7C_n38A-n66A<br>DC_2A-7A-7A_n38A-n66A | DC_2A_n38A<br>DC_2A_n66A<br>DC_7A_n66A |
| DC_2A-7A_n38A-n78A<br>DC_2A-7A-7A_n38A-n78A<br>DC_2A-7C_n38A-n78A | DC_2A_n78A |
| DC_2A-7A-66A_n7A<br>DC_2A-7A-66A-66A_n7A | DC_2A_n7A<br>DC_7A_n7A[4]<br>DC_66A_n7A |
| DC_2A-7A-66A_n28A | DC_2A_n28A<br>DC_7A_n28A<br>DC_66A_n28A |
| DC_2A-7A-66A_n38A<br>DC_2A-2A-7A-66A_n38A | 2A[5]<br>66A[5] |
| DC_2A-7A-66A_n66A<br>DC_2A-7C-66A_n66A<br>DC_2A-7A-7A-66A_n66A | DC_2A_n66A<br>DC_7A_n66A<br>DC_66A_n66A[4] |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-7A-66A_n71A | DC_2A_n71A<br>DC_7A_n71A<br>DC_66A_n71A |
| DC_2A-7A-66A_n77A<br>DC_2A-7A-7A-66A_n77A<br>DC_2A-7A-66A_n77(2A)<br>DC_2A-7A-7A-66A_n77(2A)<br>DC_2A-7C-66A_n77A<br>DC_2A-7C-66A_n77(2A) | DC_2A_n77A<br>DC_7A_n77A<br>DC_66A_n77A |
| DC_2A-7A-66A_n78A<br>DC_2A-7C-66A_n78A | DC_2A_n78A<br>DC_7A_n78A<br>DC_66A_n78A |
| DC_2A-7A_n66A-n78A<br>DC_2A-7A-7A_n66A-n78A<br>DC_2A-7C_n66A-n78A | DC_2A_n66A<br>DC_2A_n78A<br>DC_7A_n66A<br>DC_7A_n78A |
| DC_2A-7A-66A_n78(2A)<br>DC_2A-7A-7A-66A_n78A<br>DC_2A-7A-7A-66A_n78(2A)<br>DC_2A-7C-66A_n78(2A)<br>DC_2A-7A-66A-66A_n78A<br>DC_2A-7A-66A-66A_n78(2A)<br>DC_2A-7A-7A-66A-66A_n78A<br>DC_2A-7A-7A-66A-66A_n78(2A)<br>DC_2A-7C-66A-66A_n78A<br>DC_2A-7C-66A-66A_n78(2A) | DC_2A_n78A<br>DC_7A_n78A<br>DC_66A_n78A |
| DC_2A-12A-30A_n2A | DC_12A_n2A<br>DC_30A_n2A |
| DC_2A-12A-48A_n5A | DC_2A_n5A<br>DC_12A_n5A<br>DC_48A_n5A |
| DC_2A-12A-66A_n5A | DC_2A_n5A<br>DC_12A_n5A<br>DC_66A_n5A |
| DC_2A-12A-30A_n66A<br>DC_2A-2A-12A-30A_n66A | DC_2A_n66A<br>DC_12A_n66A<br>DC_30A_n66A |
| DC_2A-12A-66A_n2A | DC_12A_n2A<br>DC_66A_n2A |
| DC_2A-12A-66A-66A_n2A | DC_12A_n2A<br>DC_66A_n2A |
| DC_2A-12A-66A_n66A | DC_2A_n66A<br>DC_12A_n66A<br>DC_66A_n66A[4] |
| DC_2A-2A-12A-66A_n66A | DC_2A_n66A<br>DC_12A_n66A<br>DC_66A_n66A[4] |
| DC_2A-13A-66A_n2A | DC_13A_n2A |
| DC_2A-13A-66A-66A_n2A | DC_13A_n2A |
| DC_2A-13A-66A_n5A<br>DC_2A-2A-13A-66A_n5A<br>DC_2A-13A-66A-66A_n5A<br>DC_2A-2A-13A-66A-66A_n5A | DC_2A_n5A<br>DC_66A_n5A |
| DC_2A-13A-66A_n48A<br>DC_2A-13A-66A_n48B | DC_2A_n48A<br>DC_13A_n48A<br>DC_66A_n48A |
| DC_2A-13A-66A-66A_n48A<br>DC_2A-13A-66A-66A_n48B | DC_2A_n48A<br>DC_13A_n48A<br>DC_66A_n48A |
| DC_2A-13A-66A_n66A<br>DC_2A-2A-13A-66A_n66A<br>DC_2A-13A-66A-66A_n66A<br>DC_2A-2A-13A-66A-66A_n66A | DC_2A_n66A<br>DC_13A_n66A<br>DC_66A_n66A[4] |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-13A-66A_n77A<br>DC_2A-2A-13A-66A_n77A<br>DC_2A-13A-66A-66A_n77A | DC_2A_n77A<br>DC_13A_n77A<br>DC_66A_n77A |
| DC_2A-13A_n66A-n77A | DC_2A_n77A<br>DC_13A_n66A<br>DC_13A_n77A |
| DC_2A-14A-66A_n2A | DC_2A_n2A[4]<br>DC_14A_n2A<br>DC_66A_n2A |
| DC_2A-14A-66A-66A_n2A | DC_2A_n2A[4]<br>DC_14A_n2A<br>DC_66A_n2A |
| DC_2A-14A-66A_n66A | DC_2A_n66A<br>DC_14A_n66A<br>DC_66A_n66A[4] |
| DC_2A-2A-14A-66A_n66A | DC_2A_n66A<br>DC_14A_n66A<br>DC_66A_n66A[4] |
| DC_2A-28A-66A_n7A | DC_2A_n7A<br>DC_28A_n7A<br>DC_66A_n7A |
| DC_2A-28A-66A_n66A | DC_2A_n66A<br>DC_28A_n66A<br>DC_66A_n66A[4] |
| DC_2A-29A-30A_n2A | DC_2A_n2A[4]<br>DC_30A_n2A |
| DC_2A-29A-66A_n2A | DC_2A_n2A[4]<br>DC_66A_n2A |
| DC_2A-29A-66A-66A_n2A | DC_2A_n2A[4]<br>DC_66A_n2A |
| DC_2A-29A-66A_n66A | DC_2A_n66A<br>DC_66A_n66A[4] |
| DC_2A-30A-66A_n2A | DC_2A_n2A[4]<br>DC_30A_n2A<br>DC_66A_n2A |
| DC_2A-30A-66A-66A_n2A | DC_2A_n2A[4]<br>DC_30A_n2A<br>DC_66A_n2A |
| DC_2A-30A-66A_n5A<br>DC_2A-2A-30A-66A_n5A<br>DC_2A-30A-66A-66A_n5A | DC_2A_n5A<br>DC_30A_n5A<br>DC_66A_n5A |
| DC_2A-30A-66A_n66A | DC_2A_n66A<br>DC_30A_n66A<br>DC_66A_n66A[4] |
| DC_2A-46A_n41A-n66A<br>DC_2A-46C_n41A-n66A<br>DC_2A-46D_n41A-n66A | DC_2A_n41A<br>DC_2A_n66A |
| DC_2A-46A_n41A-n71A<br>DC_2A-46C_n41A-n71A<br>DC_2A-46D_n41A-n71A | DC_2A_n41A<br>DC_2A_n71A |
| DC_2A-46A_n41(2A)-n71A<br>DC_2A-46C_n41(2A)-n71A<br>DC_2A-46D_n41(2A)-n71A | DC_2A_n41A<br>DC_2A_n71A |
| DC_2A-46A-48A_n5A<br>DC_2A-46C-48A_n5A<br>DC_2A-46D-48A_n5A<br>DC_2A-46E-48A_n5A | DC_2A_n5A<br>DC_48A_n5A |
| DC_2A-46A-48A_n66A<br>DC_2A-46C-48A_n66A<br>DC_2A-46D-48A_n66A<br>DC_2A-46E-48A_n66A | DC_2A_n66A<br>DC_48A_n66A |
| DC_2A-46A-66A_n41A<br>DC_2A-46C-66A_n41A<br>DC_2A-46D-66A_n41A | DC_2A_n41A<br>DC_66A_n41A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-46A-66A_n41(2A)<br>DC_2A-46C-66A_n41(2A)<br>DC_2A-46D-66A_n41(2A) | DC_2A_n41A<br>DC_66A_n41A |
| DC_2A-46A-66A_n71A<br>DC_2A-46C-66A_n71A<br>DC_2A-46D-66A_n71A | DC_2A_n71A<br>DC_66A_n71A |
| DC_2A-48A_(n)5AA | DC_2A_n5A<br>DC_48A_n5A<br>DC_(n)5AA[4] |
| DC_2A-46A_n66A-n71A<br>DC_2A-46C_n66A-n71A<br>DC_2A-46D_n66A-n71A | DC_2A_n66A<br>DC_2A_n71A |
| DC_2A-48A_n48A-n66A | DC_2A_n48A<br>DC_2A_n66A<br>DC_48A_n66A |
| DC_2A-48A-66A_n5A | DC_2A_n5A<br>DC_48A_n5A<br>DC_66A_n5A |
| DC_2A-48A-66A_n12A | DC_2A_n12A<br>DC_48A_n12A<br>DC_66A_n12A |
| DC_2A-48A-66A_n71A | DC_2A_n71A<br>DC_48A_n71A<br>DC_66A_n71A |
| DC_2A-48A-66A_n77A | DC_2A_n77A<br>DC_48A_n77A<br>DC_66A_n77A |
| DC_2A-66A_(n)5AA | DC_2A_n5A<br>DC_66A_n5A<br>DC_(n)5AA[4] |
| DC_2A-66A_n5A-n77A | DC_2A_n5A<br>DC_2A_n77A<br>DC_66A_n5A<br>DC_66A_n77A |
| DC_2A-66A_n38A-n78A | DC_2A_n38A<br>DC_2A_n78A<br>DC_66A_n38A<br>DC_66A_n78A |
| DC_2A-66A-71A_n38A<br>DC_2A-2A-66A-71A_n38A | DC_2A_n38A<br>DC_66A_n38A<br>DC_71A_n38A |
| DC_2A-66A-71A_n66A | DC_2A_n66A<br>DC_66A_n66A[4]<br>DC_71A_n66A |
| DC_2A-66A-71A_n71A | DC_2A_n71A<br>DC_66A_n71A |
| DC_2A-66A-71A_n78A<br>DC_2A-2A-66A-71A_n78A | DC_2A_n78A<br>DC_66A_n78A<br>DC_71A_n78A |
| DC_2A-66A-(n)71AA<br>DC_2A-66C-(n)71AA | DC_2A_n71A<br>DC_66A_n71A<br>DC_(n)71AA |
| DC_2A-66A_n41A-n71A<br>DC_2A-66A_n41C-n71A | DC_2A_n41A<br>DC_2A_n71A<br>DC_66A_n41A<br>DC_66A_n71A |
| DC_2A-66A_n41(2A)-n71A | DC_2A_n41A<br>DC_2A_n71A<br>DC_66A_n41A<br>DC_66A_n71A |
| DC_2A-66A_n66A-n77A | DC_2A_n77A<br>DC_66A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-66A_n66A-n78A | DC_2A_n66A<br>DC_2A_n78A<br>DC_66A_n66A[4] |
| DC_3A-5A-7A_n78A<br>DC_3C-5A-7A_n78A<br>DC_3A-5A-7A_n78C<br>DC_3A-5A-7A-7A_n78A<br>DC_3A-5A-7A-7A_n78C | DC_3A_n78A<br>DC_5A_n78A<br>DC_7A_n78A |
| DC_3A-7A_n1A-n40A | DC_3A_n1A<br>DC_3A_n40A<br>DC_7A_n1A<br>DC_7A_n40A |
| DC_3A-7A_n1A-n78A<br>DC_3C-7A_n1A-n78A<br>DC_3A-3A-7A_n1A-n78A<br>DC_3A-7A-7A_n1A-n78A<br>DC_3A-3A-7A-7A_n1A-n78A | DC_3A_n1A<br>DC_3C_n1A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n1A<br>DC_7A_n78A |
| DC_3A-7C_n1A-n78A<br>DC_3C-7C_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_7A_n1A<br>DC_7A_n78A<br>DC_7C_n1A<br>DC_7C_n78A |
| DC_3A-5A-41A_n79A | DC_3A_n79A<br>DC_5A_n79A<br>DC_41A_n79A |
| DC_3A-7A_n5A-n78A<br>DC_3A-7C_n5A-n78A<br>DC_3C-7A_n5A-n78A<br>DC_3C-7C_n5A-n78A | DC_3A_n5A<br>DC_3C_n5A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n5A<br>DC_7C_n5A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_3A-7A_n7A-n78A<br>DC_3A-3A-7A_n7A-n78A | DC_3A_n7A<br>DC_7A_n7A[4]<br>DC_3A_n78A<br>DC_7A_n78A |
| DC_3C-7A_n7A-n78A | DC_3A_n7A<br>DC_3C_n7A<br>DC_7A_n7A[4]<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A |
| DC_3A-7A-8A_n1A | DC_3A_n1A<br>DC_7A_n1A<br>DC_8A_n1A |
| DC_3A-3A-7A-8A_n1A<br>DC_3A-7A-7A-8A_n1A<br>DC_3A-3A-7A-7A-8A_n1A | DC_3A_n1A<br>DC_7A_n1A<br>DC_8A_n1A |
| DC_3A-7A-8A_n28A | DC_3A_n28A<br>DC_7A_n28A<br>DC_8A_n28A |
| DC_3A-7A-8A_n40A | DC_3A_n40A<br>DC_7A_n40A<br>DC_8A_n40A |
| DC_3A-7A-8A_n77A | DC_3A_n77A<br>DC_7A_n77A<br>DC_8A_n77A |
| DC_3A-7A-8A_n78A | DC_3A_n78A,<br>DC_7A_n78A,<br>DC_8A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-3A-7A-8A_n78A<br>DC_3A-7A-7A-8A_n78A<br>DC_3A-3A-7A-7A-8A_n78A | DC_3A_n78A<br>DC_7A_n78A<br>DC_8A_n78A |
| DC_3A-7A-20A_n1A<br>DC_3C-7A-20A_n1A<br>DC_3A-7C-20A_n1A<br>DC_3C-7C-20A_n1A | DC_3A_n1A<br>DC_3C_n1A<br>DC_7A_n1A<br>DC_7C_n1A<br>DC_20A_n1A |
| DC_3A-7A-20A_n8A | DC_3A_n8A<br>DC_7A_n8A<br>DC_20A_n8A |
| DC_3A-7A-20A_n28A[3] | DC_3A_n28A<br>DC_7A_n28A<br>DC_20A_n28A |
| DC_3A-7A-20A_n78A[2]<br>DC_3C-7A-20A_n78A[2] | DC_3A_n78A<br>DC_20A_n78A<br>DC_7A_n78A |
| DC_3A-7A-28A_n1A | DC_3A_n1A<br>DC_7A_n1A<br>DC_28A_n1A |
| DC_3A-7A-28A_n5A<br>DC_3A-7C-28A_n5A<br>DC_3C-7A-28A_n5A<br>DC_3C-7C-28A_n5A | DC_3A_n5A<br>DC_3C_n5A<br>DC_7A_n5A<br>DC_7C_n5A<br>DC_28A_n5A |
| DC_3A-7A-28A_n7A<br>DC_3C-7A-28A_n7A | DC_3A_n7A<br>DC_3C_n7A<br>DC_7A_n7A[4]<br>DC_28A_n7A |
| DC_3A-3A-7A-28A_n7A | DC_3A_n7A<br>DC_7A_n7A[4]<br>DC_28A_n7A |
| DC_3A-7A-28A_n40A | DC_3A_n40A<br>DC_7A_n40A<br>DC_28A_n40A |
| DC_3A-7A-28A_n78A[2]<br>DC_3A-7C-28A_n78A[2]<br>DC_3C-7A-28A_n78A<br>DC_3C-7C-28A_n78A | DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n78A |
| DC_3A-7A_n28A-n78A[2]<br>DC_3A-7C_n28A-n78A<br>DC_3C-7A_n28A-n78A<br>DC_3C-7C_n28A-n78A | DC_3A_n28A<br>DC_3A_n78A<br>DC_3C_n28A<br>DC_7A_n28A<br>DC_7A_n78A<br>DC_7C_n28A<br>DC_7C_n78A |
| DC_3A-7A-40A_n1A<br>DC_3A-7A-40C_n1A | DC_3A_n1A<br>DC_7A_n1A<br>DC_40A_n1A |
| DC_3A-7A-40A_n78A<br>DC_3A-7A-40C_n78A | DC_3A_n78A<br>DC_7A_n78A<br>DC_40A_n78A |
| DC_3A-7A_n40A-n78A | DC_3A_n40A<br>DC_3A_n78A<br>DC_7A_n40A<br>DC_7A_n78A |
| DC_3A-7A_SUL_n78A-n80A<br>DC_3C-7A_SUL_n78A-n80A | DC_3A_n78A<br>DC_3A_n80A_ULSUP-TDM_n78A<br>DC_7A_n78A<br>DC_7A_n80A |
| DC_3A-8A_n1A-n78A<br>DC_3A-3A-8A_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_8A_n1A<br>DC_8A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-8A-11A_n28A | DC_3A_n28A<br>DC_8A_n28A<br>DC_11A_n28A |
| DC_3A-8A-11A_n77A | DC_3A_n77A<br>DC_8A_n77A<br>DC_11A_n77A |
| DC_3A-8A-11A_n77(2A) | DC_3A_n77A<br>DC_8A_n77A<br>DC_11A_n77A |
| DC_3A-8A-20A_n78A | DC_3A_n78A<br>DC_8A_n78A<br>DC_20A_n78A |
| DC_3A-8A_n28A-n77A | DC_3A_n28A<br>DC_3A_n77A<br>DC_8A_n28A<br>DC_8A_n77A |
| DC_3A-8A_n28A-n77(2A) | DC_3A_n28A<br>DC_3A_n77A<br>DC_8A_n28A<br>DC_8A_n77A |
| DC_3A-8A_n40A-n78A | DC_3A_n40A<br>DC_3A_n78A<br>DC_8A_n40A<br>DC_8A_n78A |
| DC_3A-8A-40A_n1A<br>DC_3A-8A-40C_n1A | DC_3A_n1A<br>DC_8A_n1A<br>DC_40A_n1A |
| DC_3A-8A-40A_n78A<br>DC_3A-8A-40C_n78A | DC_3A_n78A<br>DC_8A_n78A<br>DC_40A_n78A |
| DC_3A-8A-42A_n77A<br>DC_3A-8A-42C_n77A | DC_3A_n77A<br>DC_8A_n77A |
| DC_3A-8A_SUL_n78A-n80A | DC_3A_n78A<br>DC_3A_n80A_ULSUP-TDM_n78A<br>DC_8A_n78A<br>DC_8A_n80A |
| DC_3A-18A_n3A-n41A | DC_3A_n3A[4]<br>DC_3A_n41A<br>DC_18A_n3A<br>DC_18A_n41A |
| DC_3A-18A_n3A-n77A | DC_3A_n3A[4]<br>DC_3A_n77A<br>DC_18A_n3A<br>DC_18A_n77A |
| DC_3A-18A_n3A-n78A | DC_3A_n3A[4]<br>DC_3A_n78A<br>DC_18A_n3A<br>DC_18A_n78A |
| DC_3A-18A_n28A-n41A | DC_3A_n28A<br>DC_3A_n41A<br>DC_18A_n28A<br>DC_18A_n41A |
| DC_3A-18A_n28A-n77A | DC_3A_n28A<br>DC_3A_n77A<br>DC_18A_n28A<br>DC_18A_n77A |
| DC_3A-18A_n28A-n78A | DC_3A_n28A<br>DC_3A_n78A<br>DC_18A_n28A<br>DC_18A_n78A |
| DC_3A-18A_n41A-n77A | DC_3A_n41A<br>DC_3A_n77A<br>DC_18A_n41A<br>DC_18A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-18A_n41A-n78A | DC_3A_n41A<br>DC_3A_n78A<br>DC_18A_n41A<br>DC_18A_n78A |
| DC_3A-18A-42A_n77A<br>DC_3A-18A-42C_n77A | DC_3A_n77A<br>DC_18A_n77A |
| DC_3A-18A-42A_n78A<br>DC_3A-18A-42C_n78A | DC_3A_n78A<br>DC_18A_n78A |
| DC_3A-18A-42A_n79A<br>DC_3A-18A-42C_n79A | DC_3A_n79A<br>DC_18A_n79A |
| DC_3A-19A_n1A-n77A | DC_3A_n1A<br>DC_3A_n77A<br>DC_19A_n1A<br>DC_19A_n77A |
| DC_3A-19A_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_19A_n1A<br>DC_19A_n78A |
| DC_3A-19A_n1A-n79A | DC_3A_n1A<br>DC_3A_n79A<br>DC_19A_n1A<br>DC_19A_n79A |
| DC_3A-19A-21A_n77A[2]<br>DC_3A-19A-21A_n77C[2] | DC_3A_n77A<br>DC_19A_n77A<br>DC_21A_n77A |
| DC_3A-19A-21A_n78A[2]<br>DC_3A-19A-21A_n78C[2] | DC_3A_n78A<br>DC_19A_n78A<br>DC_21A_n78A |
| DC_3A-19A-21A_n79A[2]<br>DC_3A-19A-21A_n79C[2] | DC_3A_n79A<br>DC_19A_n79A<br>DC_21A_n79A |
| DC_3A-19A-42A_n1A<br>DC_3A-19A-42C_n1A | DC_3A_n1A<br>DC_19A_n1A<br>DC_42A_n1A |
| DC_3A-19A-42A_n77A<br>DC_3A-19A-42A_n77C<br>DC_3A-19A-42C_n77A<br>DC_3A-19A-42C_n77C<br>DC_3A-19A-42D_n77A<br>DC_3A-19A-42D_n77C | DC_3A_n77A<br>DC_19A_n77A |
| DC_3A-19A-42A_n78A<br>DC_3A-19A-42A_n78C<br>DC_3A-19A-42C_n78A<br>DC_3A-19A-42C_n78C<br>DC_3A-19A-42D_n78A<br>DC_3A-19A-42D_n78C | DC_3A_n78A<br>DC_19A_n78A |
| DC_3A-19A-42A_n79A[2]<br>DC_3A-19A-42A_n79C[2]<br>DC_3A-19A-42C_n79A[2]<br>DC_3A-19A-42C_n79C[2]<br>DC_3A-19A-42D_n79A<br>DC_3A-19A-42D_n79C | DC_3A_n79A<br>DC_19A_n79A |
| DC_3A-19A_n77A-n79A | DC_19A_n77A<br>DC_19A_n79A |
| DC_3A-19A_n78A-n79A | DC_19A_n78A<br>DC_19A_n79A |
| DC_3A-20A_n1A-n7A | DC_3A_n1A<br>DC_3A_n7A<br>DC_20A_n1A<br>DC_20A_n7A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3C-20A_n1A-n7A | DC_3A_n1A<br>DC_3C_n1A<br>DC_3A_n7A<br>DC_3C_n7A<br>DC_20A_n1A<br>DC_20A_n7A |
| DC_3A-20A_n1A-n28A | DC_3A_n1A<br>DC_3A_n28A<br>DC_20A_n1A<br>DC_20A_n28A |
| DC_3C-20A_n1A-n28A | DC_3A_n1A<br>DC_3A_n28A<br>DC_20A_n1A<br>DC_3C_n1A<br>DC_3C_n28A<br>DC_20A_n28A |
| DC_3A-20A_n1A-n78A<br>DC_3C-20A_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_20A_n1A<br>DC_20A_n78A |
| DC_3A-20A_n7A-n28A | DC_3A_n7A<br>DC_3A_n28A<br>DC_20A_n7A<br>DC_20A_n28A |
| DC_3C-20A_n7A-n28A | DC_3A_n7A<br>DC_3A_n28A<br>DC_3C_n7A<br>DC_3C_n28A<br>DC_20A_n7A<br>DC_20A_n28A |
| DC_3A-20A_n28A-n78A[2,3]<br>DC_3C-20A_n28A-n78A[2,3] | DC_3A_n28A<br>DC_3A_n78A<br>DC_20A_n28A<br>DC_20A_n78A |
| DC_3A-20A-32A_n1A | DC_3A_n1A<br>DC_20A_n1A |
| DC_3A-20A-38A_n78A | DC_3A_n78A |
| DC_3A-20A_n38A-n78A | DC_3A_n78A<br>DC_20A_n78A<br>DC_3A_n38A<br>DC_20A_n38A |
| DC_3A-20A_n41A-n78A | DC_3A_n41A<br>DC_3A_n78A<br>DC_20A_n41A<br>DC_20A_n78A |
| DC_3A-20A_SUL_n78A-n80A<br>DC_3C-20A_SUL_n78A-n80A | DC_3A_n78A<br>DC_3A_n80A_ULSUP-TDM_n78A<br>DC_20A_n78A<br>DC_20A_n80A |
| DC_3A-21A-42A_n1A<br>DC_3A-21A-42C_n1A | DC_3A_n1A<br>DC_21A_n1A<br>DC_42A_n1A |
| DC_3A-21A_n1A-n77A | DC_3A_n1A<br>DC_3A_n77A<br>DC_21A_n1A<br>DC_21A_n77A |
| DC_3A-21A_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_21A_n1A<br>DC_21A_n78A |
| DC_3A-21A_n1A-n79A | DC_3A_n1A<br>DC_3A_n79A<br>DC_21A_n1A<br>DC_21A_n79A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-21A-42A_n77A<br>DC_3A-21A-42A_n77C<br>DC_3A-21A-42C_n77A<br>DC_3A-21A-42C_n77C<br>DC_3A-21A-42D_n77A<br>DC_3A-21A-42D_n77C | DC_3A_n77A<br>DC_21A_n77A |
| DC_3A-21A-42A_n78A<br>DC_3A-21A-42A_n78C<br>DC_3A-21A-42C_n78A<br>DC_3A-21A-42C_n78C<br>DC_3A-21A-42D_n78A<br>DC_3A-21A-42D_n78C | DC_3A_n78A<br>DC_21A_n78A |
| DC_3A-21A-42A_n79A<br>DC_3A-21A-42A_n79C<br>DC_3A-21A-42C_n79A<br>DC_3A-21A-42C_n79C<br>DC_3A-21A-42D_n79A<br>DC_3A-21A-42D_n79C | DC_3A_n79A<br>DC_21A_n79A |
| DC_3A-21A_n77A-n79A | DC_3A_n77A<br>DC_3A_n79A<br>DC_21A_n77A<br>DC_21A_n79A |
| DC_3A-21A_n78A-n79A | DC_3A_n78A<br>DC_3A_n79A<br>DC_21A_n78A<br>DC_21A_n79A |
| DC_3A-28A_n1A-n40A | DC_3A_n1A<br>DC_3A_n40A<br>DC_28A_n1A<br>DC_28A_n40A |
| DC_3A-28A_n5A-n78A<br>DC_3C-28A_n5A-n78A | DC_3A_n5A<br>DC_3C_n5A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_28A_n5A<br>DC_28A_n78A |
| DC_3A-28A_n7A-n78A<br>DC_3A-3A-28A_n7A-n78A | DC_3A-n7A<br>DC_28A_n7A<br>DC_3A_n78A<br>DC_28A_n78A |
| DC_3A-28A_n7B-n78A<br>DC_3A-3A-28A_n7B-n78A | DC_3A-n7A<br>DC_3A-n7B<br>DC_28A_n7A<br>DC_28A_n7B<br>DC_3A_n78A<br>DC_28A_n78A |
| DC_3C-28A_n7A-n78A | DC_3A-n7A<br>DC_3C-n7A<br>DC_28A_n7A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_28A_n78A |
| DC_3C-28A_n7B-n78A | DC_3A-n7A<br>DC_3C-n7A<br>DC_3A-n7B<br>DC_3C-n7B<br>DC_28A_n7A<br>DC_28A_n7B<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_28A_n78A |
| DC_3A-28A_n40A-n78A | DC_3A_n40A<br>DC_3A_n78A<br>DC_28A_n40A<br>DC_28A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-28A-41A_n78A<br>DC_3A-28A-41C_n78A | DC_3A_n78A<br>DC_28A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_3A-28A-42A_n77A<br>DC_3A-28A-42C_n77A | DC_3A_n77A<br>DC_28A_n77A |
| DC_3A-28A-42A_n78A<br>DC_3A-28A-42C_n78A | DC_3A_n78A<br>DC_28A_n78A |
| DC_3A-28A-42A_n79A<br>DC_3A-28A-42C_n79A | DC_3A_n79A<br>DC_28A_n79A |
| DC_3A-41A_n3A-n41A | DC_3A_n3A[4]<br>DC_3A_n41A<br>DC_41A_n3A |
| DC_3A-41A_n3A-n77A | DC_3A_n3A[4]<br>DC_3A_n77A<br>DC_41A_n3A<br>DC_41A_n77A |
| DC_3A-41C_n3A-n77A | DC_3A_n3A[4]<br>DC_3A_n77A<br>DC_41A_n3A<br>DC_41A_n77A<br>DC_41C_n3A<br>DC_41C_n77A |
| DC_3A-41A_n3A-n78A | DC_3A_n3A[4]<br>DC_3A_n78A<br>DC_41A_n3A<br>DC_41A_n78A |
| DC_3A-41C_n3A-n78A | DC_3A_n3A[4]<br>DC_3A_n78A<br>DC_41A_n3A<br>DC_41A_n78A<br>DC_41C_n3A<br>DC_41C_n78A |
| DC_3A-41A_n28A-n41A | DC_3A_n28A<br>DC_3A_n41A<br>DC_41A_n28A |
| DC_3A-41A_n28A-n77A | DC_3A_n28A<br>DC_3A_n77A<br>DC_41A_n28A<br>DC_41A_n77A |
| DC_3A-41C_n28A-n77A | DC_3A_n28A<br>DC_3A_n77A<br>DC_41A_n28A<br>DC_41A_n77A<br>DC_41C_n28A<br>DC_41C_n77A |
| DC_3A-41A_n28A-n78A | DC_3A_n28A<br>DC_3A_n78A<br>DC_41A_n28A<br>DC_41A_n78A |
| DC_3A-41C_n28A-n78A | DC_3A_n28A<br>DC_3A_n78A<br>DC_41A_n28A<br>DC_41A_n78A<br>DC_41C_n28A<br>DC_41C_n78A |
| DC_3A-41A_n41A-n77A | DC_3A_n41A<br>DC_3A_n77A<br>DC_41A_n77A |
| DC_3A-41A_n41A-n78A | DC_3A_n41A<br>DC_3A_n78A<br>DC_41A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-41A-42A_n77A<br>DC_3A-41A-42C_n77A<br>DC_3A-41C-42A_n77A<br>DC_3A-41C-42C_n77A | DC_3A_n77A<br>DC_41A_n77A |
| DC_3A-41A-42A_n77(2A)<br>DC_3A-41A-42C_n77(2A) | DC_3A_n77A<br>DC_41A_n77A |
| DC_3A-41A-42A_n78A<br>DC_3A-41A-42C_n78A<br>DC_3A-41C-42A_n78A<br>DC_3A-41C-42C_n78A | DC_3A_n78A<br>DC_41A_n78A |
| DC_3A-41A-42A_n79A<br>DC_3A-41A-42C_n79A<br>DC_3A-41C-42A_n79A<br>DC_3A-41C-42C_n79A | DC_3A_n79A<br>DC_41A_n79A |
| DC_3A-42A_n1A-n77A<br>DC_3A-42C_n1A-n77A | DC_3A_n1A<br>DC_3A_n77A |
| DC_3A-42A_n1A-n78A<br>DC_3A-42C_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A |
| DC_3A-42A_n1A-n79A<br>DC_3A-42C_n1A-n79A | DC_3A_n1A<br>DC_3A_n79A |
| DC_3A-42A_n28A-n77A | DC_3A_n28A<br>DC_3A_n77A<br>DC_42A_n28A |
| DC_3A-42A_n28A-n77(2A) | DC_3A_n28A<br>DC_3A_n77A<br>DC_42A_n28A |
| DC_3A-42C_n28A-n77A | DC_3A_n28A<br>DC_3A_n77A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_3A-42C_n28A-n77(2A) | DC_3A_n28A<br>DC_3A_n77A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_3A-42A_n77A-n79A<br>DC_3A-42C_n77A-n79A | DC_3A_n77A<br>DC_3A_n79A |
| DC_3A-42A_n78A-n79A<br>DC_3A-42C_n78A-n79A | DC_3A_n78A<br>DC_3A_n79A |
| DC_5A-7A-66A_n7A<br>DC_5A-7A-66A-66A_n7A | DC_5A_n7A<br>DC_7A_n7A[4]<br>DC_66A_n7A |
| DC_5A-7A-66A_n66A<br>DC_5A-7C-66A_n66A | DC_5A_n66A<br>DC_7A_n66A<br>DC_66A_n66A[4] |
| DC_5A-48A_(n)12AA | DC_5A_n12A<br>DC_48A_n12A<br>DC_(n)12AA[4] |
| DC_5A-48A-66A_n12A | DC_5A_n12A<br>DC_48A_n12A<br>DC_66A_n12A |
| DC_5A-48A-66A_n71A | DC_5A_n71A<br>DC_48A_n71A<br>DC_66A_n71A |
| DC_5A-66A_(n)12AA | DC_5A_n12A<br>DC_66A_n12A<br>DC_(n)12AA[4] |
| DC_7A-8A_n1A-n78A<br>DC_7A-7A-8A_n1A-n78A | DC_7A_n1A<br>DC_7A_n78A<br>DC_8A_n1A<br>DC_8A_n78A |
| DC_7A-8A-40A_n1A<br>DC_7A-8A-40C_n1A | DC_7A_n1A<br>DC_8A_n1A<br>DC_40A_n1A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_7A-8A-40A_n78A<br>DC_7A-8A-40C_n78A | DC_7A_n78A<br>DC_8A_n78A<br>DC_40A_n78A |
| DC_7A-8A_n40A-n78A | DC_7A_n40A<br>DC_7A_n78A<br>DC_8A_n40A<br>DC_8A_n78A |
| DC_7A-13A-66A_n66A<br>DC_7C-13A-66A_n66A | DC_7A_n66A<br>DC_13A_n66A<br>DC_66A_n66A[4] |
| DC_7A-20A_n1A-n78A | DC_7A_n1A<br>DC_7A_n78A<br>DC_20A_n1A<br>DC_20A_n78A |
| DC_7A-20A_n3A-n78A | DC_7A_n3A<br>DC_20A_n3A<br>DC_7A_n78A<br>DC_20A_n78A |
| DC_7A-20A_n28A-n78A[2,3] | DC_7A_n28A<br>DC_7A_n78A<br>DC_20A_n28A<br>DC_20A_n78A |
| DC_7A-20A-32A_n28A | DC_7A_n28A<br>DC_20A_n28A |
| DC_7A-28A_n1A-n40A | DC_7A_n1A<br>DC_7A_n40A<br>DC_28A_n1A<br>DC_28A_n40A |
| DC_7A-28A_n3A-n78A | DC_7A-n3A<br>DC_28A_n3A<br>DC_7A_n78A<br>DC_28A_n78A |
| DC_7C-28A_n3A-n78A | DC_7A-n3A<br>DC_7C-n3A<br>DC_28A_n3A<br>DC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n78A |
| DC_7A-28A_n5A-n78A<br>DC_7C-28A_n5A-n78A | DC_7A_n5A<br>DC_7C_n5A<br>DC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n5A<br>DC_28A_n78A |
| DC_7A-28A_n7A-n78A | DC_7A_n7A[4]<br>DC_28A_n7A<br>DC_7A_n78A<br>DC_28A_n78A |
| DC_7A-28A_n40A-n78A | DC_7A_n40A<br>DC_7A_n78A<br>DC_28A_n40A<br>DC_28A_n78A |
| DC_7A-66A_n38A-n78A<br>DC_7A-7A-66A_n38A-n78A<br>DC_7C-66A_n38A-n78A | DC_66A_n38A<br>DC_66A_n78A |
| DC_7A-28A-66A_n7A | DC_7A_n7A[4]<br>DC_78A_n7A<br>DC_66A_n7A |
| DC_7A-28A-66A_n66A<br>DC_7C-28A-66A_n66A | DC_7A_n66A<br>DC_28A_n66A<br>DC_66A_n66A[4] |
| DC_7A-66A_n66A-n78A<br>DC_7A-7A-66A_n66A-n78A<br>DC_7C-66A_n66A-n78A | DC_7A_n66A<br>DC_7A_n78A<br>DC_66A_n66A[4]<br>DC_66A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_8A_n3A-n28A-n77A | DC_8A_n3A<br>DC_8A_n28A<br>DC_8A_n77A |
| DC_8A_n3A-n28A-n77(2A) | DC_8A_n3A<br>DC_8A_n28A<br>DC_8A_n77A |
| DC_8A_n40A-n41A-n79A | DC_8A_n40A<br>DC_8A_n41A<br>DC_8A_n79A |
| DC_8A-11A_n3A-n28A | DC_8A_n3A<br>DC_8A_n28A<br>DC_11A_n3A<br>DC_11A_n28A |
| DC_8A-42A_n28A-n77A | DC_8A_n28A<br>DC_8A_n77A<br>DC_42A_n28A |
| DC_8A-42A_n28A-n77(2A) | DC_8A_n28A<br>DC_8A_n77A<br>DC_42A_n28A |
| DC_8A-42C_n28A-n77A | DC_8A_n28A<br>DC_8A_n77A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_8A-42C_n28A-n77(2A) | DC_8A_n28A<br>DC_8A_n77A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_12A-30A-66A_n2A<br>DC_12A-30A-66A-66A_n2A | DC_12A_n2A<br>DC_30A_n2A<br>DC_66A_n2A |
| DC_12A-30A-66A_n66A | DC_12A_n66A<br>DC_30A_n66A<br>DC_66A_n66A[4] |
| DC_12A-48A_(n)5AA | DC_12A_n5A<br>DC_48A_n5A<br>DC_(n)5AA[4] |
| DC_12A-48A-66A_n5A | DC_12A_n5A<br>DC_48A_n5A<br>DC_66A_n5A |
| DC_12A-66A_(n)5AA | DC_12A_n5A<br>DC_66A_n5A<br>DC_(n)5AA[4] |
| DC_13A-66A_n2A-n77A | DC_13A_n2A<br>DC_13A_n77A<br>DC_66A_n2A<br>DC_66A_n77A |
| DC_13A-66A_n5A-n48A | DC_13A_n48A<br>DC_66A_n5A<br>DC_66A_n48A |
| DC_13A-66A_n66A-n77A | DC_13A_n66A<br>DC_13A_n77A<br>DC_66A_n77A |
| DC_18A-41A_n3A-n77A | DC_18A_n3A<br>DC_18A_n77A<br>DC_41A_n3A<br>DC_41A_n77A |
| DC_18A-41C_n3A-n77A | DC_18A_n3A<br>DC_18A_n77A<br>DC_41A_n3A<br>DC_41A_n77A<br>DC_41C_n3A<br>DC_41C_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_18A-41A_n3A-n78A | DC_18A_n3A<br>DC_18A_n78A<br>DC_41A_n3A<br>DC_41A_n78A |
| DC_18A-41C_n3A-n78A | DC_18A_n3A<br>DC_18A_n78A<br>DC_41A_n3A<br>DC_41A_n78A<br>DC_41C_n3A<br>DC_41C_n78A |
| DC_19A-21A_n1A-n77A | DC_19A_n1A<br>DC_19A_n77A<br>DC_21A_n1A<br>DC_21A_n77A |
| DC_19A-21A_n1A-n78A | DC_19A_n1A<br>DC_19A_n78A<br>DC_21A_n1A<br>DC_21A_n78A |
| DC_19A-21A_n1A-n79A | DC_19A_n1A<br>DC_19A_n79A<br>DC_21A_n1A<br>DC_21A_n79A |
| DC_19A-21A-42A_n1A<br>DC_19A-21A-42C_n1A | DC_19A_n1A<br>DC_21A_n1A<br>DC_42A_n1A |
| DC_19A-21A-42A_n77A<br>DC_19A-21A-42A_n77C<br>DC_19A-21A-42C_n77A<br>DC_19A-21A-42C_n77C | DC_19A_n77A<br>DC_21A_n77A |
| DC_19A-21A-42A_n78A<br>DC_19A-21A-42A_n78C<br>DC_19A-21A-42C_n78A<br>DC_19A-21A-42C_n78C | DC_19A_n78A<br>DC_21A_n78A |
| DC_19A-21A-42A_n79A<br>DC_19A-21A-42A_n79C<br>DC_19A-21A-42C_n79A<br>DC_19A-21A-42C_n79C | DC_19A_n79A<br>DC_21A_n79A |
| DC_19A-21A_n77A-n79A | DC_19A_n77A<br>DC_19A_n79A |
| DC_19A-21A_n78A-n79A | DC_19A_n78A<br>DC_19A_n79A |
| DC_19A-42A_n1A-n77A<br>DC_19A-42C_n1A-n77A | DC_19A_n1A<br>DC_19A_n77A |
| DC_19A-42A_n1A-n78A<br>DC_19A-42C_n1A-n78A | DC_19A_n1A<br>DC_19A_n78A |
| DC_19A-42A_n1A-n79A<br>DC_19A-42C_n1A-n79A | DC_19A_n1A<br>DC_19A_n79A |
| DC_19A-42A_n77A-n79A<br>DC_19A-42C_n77A-n79A | DC_19A_n77A<br>DC_19A_n79A |
| DC_19A-42A_n78A-n79A<br>DC_19A-42C_n78A-n79A | DC_19A_n78A<br>DC_19A_n79A |
| DC_21A-28A-42A_n77A<br>DC_21A-28A-42C_n77A | DC_21A_n77A<br>DC_28A_n77A |
| DC_21A-28A-42A_n78A<br>DC_21A-28A-42C_n78A | DC_21A_n78A<br>DC_28A_n78A |
| DC_21A-28A-42A_n79A<br>DC_21A-28A-42C_n79A | DC_21A_n79A<br>DC_28A_n79A |
| DC_21A-42A_n1A-n77A<br>DC_21A-42C_n1A-n77A | DC_21A_n1A<br>DC_21A_n77A |
| DC_21A-42A_n1A-n78A<br>DC_21A-42C_n1A-n78A | DC_21A_n1A<br>DC_21A_n78A |
| DC_21A-42A_n1A-n79A<br>DC_21A-42C_n1A-n79A | DC_21A_n1A<br>DC_21A_n79A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_21A-42A_n77A-n79A<br>DC_21A-42C_n77A-n79A | DC_21A_n77A<br>DC_21A_n79A |
| DC_21A-42A_n78A-n79A<br>DC_21A-42C_n78A-n79A | DC_21A_n78A<br>DC_21A_n79A |
| DC_28A-41A-42A_n78A<br>DC_28A-41C-42A_n78A<br>DC_28A-41A-42C_n78A<br>DC_28A-41C-42C_n78A | DC_28A_n78A<br>DC_41A_n78A<br>DC_41C_n78A<br>DC_42A_n78A<br>DC_42C_n78A |
| DC_29A-30A-66A_n2A | DC_30A_n2A<br>DC_66A_n2A |
| DC_29A-30A-66A-66A_n2A | DC_30A_n2A<br>DC_66A_n2A |
| DC_29A-30A-66A_n66A | DC_30A_n66A<br>DC_66A_n66A[4] |
| DC_46A-66A_n25A-n41A<br>DC_46C-66A_n25A-n41A<br>DC_46D-66A_n25A-n41A | DC_66A_n25A<br>DC_66A_n41A |
| DC_46A-66A_n25A-n71A<br>DC_46C-66A_n25A-n71A<br>DC_46D-66A_n25A-n71A | DC_66A_n25A<br>DC_66A_n71A |
| DC_46A-66A_n41A-n71A<br>DC_46C-66A_n41A-n71A<br>DC_46D-66A_n41A-n71A | DC_66A_n41A<br>DC_66A_n71A |
| DC_46A-66A_n41(2A)-n71A<br>DC_46C-66A_n41(2A)-n71A<br>DC_46D-66A_n41(2A)-n71A | DC_66A_n41A<br>DC_66A_n71A |
| DC_48A-66A_n25A-n48A | DC_48A_n25A<br>DC_66A_n25A<br>DC_66A_n48A |

NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.
NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability
NOTE 3: The frequency range in band n28 is restricted for this band combination to 703-733 MHz for the UL and 758-788 MHz for the DL.
NOTE 4: Only single switched UL is supported.
NOTE 5: UL carrier shall be supported in Band 2 or band 66 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB.

### 5.5B.4a.3 Inter-band NE-DC configurations within FR1 (four bands)

**Table 5.5B.4a.3-1: Inter-band NE-DC configurations within FR1 (four bands)**

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n78A_1A-3A-5A | DC_n78A_1A<br>DC_n78A_3A<br>DC_n78A_5A |
| DC_n78A_1A-3A-7A | DC_n78A_1A<br>DC_n78A_3A<br>DC_n78A_7A |
| DC_n78A_1A-3A-7A-7A | DC_n78A_1A<br>DC_n78A_3A<br>DC_n78A_7A |
| DC_n78A_1A-3A-8A | DC_n78A_1A<br>DC_n78A_3A<br>DC_n78A_8A |
| DC_n78A_1A-3C-8A | DC_n78A_1A<br>DC_n78A_3A<br>DC_n78A_8A |
| DC_n78A_1A-5A-7A | DC_n78A_1A<br>DC_n78A_5A<br>DC_n78A_7A |
| DC_n78A_1A-5A-7A-7A | DC_n78A_1A<br>DC_n78A_5A<br>DC_n78A_7A |
| DC_n78A_3A-5A-7A | DC_n78A_3A<br>DC_n78A_5A<br>DC_n78A_7A |
| DC_n78A_3A-5A-7A-7A | DC_n78A_3A<br>DC_n78A_5A<br>DC_n78A_7A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications. | |

### 5.5B.4.4 Inter-band EN-DC configurations within FR1 (five bands)

**Table 5.5B.4.4-1: Inter-band EN-DC configurations within FR1 (five bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-5A-7A_n78A<br>DC_1A-3C-5A-7A_n78A<br>DC_1A-1A-3A-5A-7A_n78A<br>DC_1A-3A-5A-7A_n78C | DC_1A_n78A<br>DC_3A_n78A<br>DC_5A_n78A<br>DC_7A_n78A |
| DC_1A-3A-5A-7A-7A_n78A<br>DC_1A-3A-5A-7A-7A_n78C | DC_1A_n78A<br>DC_3A_n78A<br>DC_5A_n78A<br>DC_7A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-5A-41A_n79A | DC_1A_n79A<br>DC_3A_n79A<br>DC_5A_n79A<br>DC_41A_n79A |
| DC_1A-3A-7A_n5A-n78A<br>DC_1A-3C-7A_n5A-n78A<br>DC_1A-3A-7C_n5A-n78A<br>DC_1A-3C-7C_n5A-n78A | DC_1A_n5A<br>DC_1A_n78A<br>DC_3A_n5A<br>DC_3C_n5A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n5A<br>DC_7C_n5A<br>DC_7A_n78A<br>DC_7C_n78A |
| DC_1A-3A-7A_n7A-n78A | DC_1A-n7A<br>DC_3A-n7A<br>DC_7A_n7A[4]<br>DC_1A_n78A<br>DC_3A_n78A<br>DC_7A_n78A |
| DC_1A-3C-7A_n7A-n78A | DC_1A-n7A<br>DC_3A-n7A<br>DC_3C-n7A<br>DC_7A_n7A[4]<br>DC_1A_n78A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A |
| DC_1A-3A-7A-8A_n28A | DC_1A_n28A<br>DC_3A_n28A<br>DC_7A_n28A<br>DC_8A_n28A |
| DC_1A-3A-7A-8A_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_7A_n78A<br>DC_8A_n78A |
| DC_1A-3A-7A-20A_n8A | DC_1A_n8A<br>DC_3A_n8A<br>DC_7A_n8A<br>DC_20A_n8A |
| DC_1A-3A-7A-20A_n28A[3] | DC_1A_n28A<br>DC_3A_n28A<br>DC_7A_n28A<br>DC_20A_n28A |
| DC_1A-3A-7A-20A_n78A[2] | DC_1A_n78A<br>DC_3A_n78A<br>DC_7A_n78A<br>DC_20A_n78A |
| DC_1A-3A-7A-28A_n5A<br>DC_1A-3C-7A-28A_n5A<br>DC_1A-3A-7C-28A_n5A<br>DC_1A-3C-7C-28A_n5A | DC_1A_n5A<br>DC_3A_n5A<br>DC_3C_n5A<br>DC_7A_n5A<br>DC_7C_n5A<br>DC_28A_n5A |
| DC_1A-3A-7A-28A_n7A<br>DC_1A-3C-7A-28A_n7A<br>DC_1A-1A-3A-7A-28A_n7A<br>DC_1A-1A-3A-3A-7A-28A_n7A<br>DC_1A-3A-3A-7A-28A_n7A<br>DC_1A-1A-3C-7A-28A_n7A | DC_1A_n7A<br>DC_3A_n7A<br>DC_3C_n7A<br>DC_7A_n7A[4]<br>DC_28A_n7A |
| DC_1A-3A-7A-28A_n40A | DC_1A_n40A<br>DC_3A_n40A<br>DC_7A_n40A<br>DC_28A_n40A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-7A-28A_n78A<br>DC_1A-3A-7C-28A_n78A<br>DC_1A-3C-7A-28A_n78A<br>DC_1A-3C-7C-28A_n78A<br>DC_1A-1A-3A-7A-28A_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n78A |
| DC_1A-3A-7A_n28A-n78A[2]<br>DC_1A-3A-7C_n28A-n78A<br>DC_1A-3C-7A_n28A-n78A<br>DC_1A-3C-7C_n28A-n78A | DC_1A_n28A<br>DC_1A_n78A<br>DC_3A_n28A<br>DC_3C_n28A<br>DC_3A_n78A<br>DC_7A_n28A<br>DC_7A_n78A<br>DC_7C_n28A<br>DC_7C_n78A |
| DC_1A-3A-7A-40A_n78A<br>DC_1A-3A-7A-40C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_7A_n78A<br>DC_40A_n78A |
| DC_1A-3A-8A-40A_n78A<br>DC_1A-3A-8A-40C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_8A_n78A<br>DC_40A_n78A |
| DC_1A-3A-7A_n40A-n78A | DC_1A_n40A<br>DC_1A_n78A<br>DC_3A_n40A<br>DC_3A_n78A<br>DC_7A_n40A<br>DC_7A_n78A |
| DC_1A-3A-8A-42A_n77A<br>DC_1A-3A-8A-42C_n77A | DC_1A_n77A<br>DC_3A_n77A<br>DC_8A_n77A |
| DC_1A-3A-8A_n28A-n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_3A_n28A<br>DC_3A_n77A<br>DC_8A_n28A<br>DC_8A_n77A |
| DC_1A-3A-8A_n28A-n77(2A) | DC_1A_n28A<br>DC_1A_n77A<br>DC_3A_n28A<br>DC_3A_n77A<br>DC_8A_n28A<br>DC_8A_n77A |
| DC_1A-3A-18A_n3A-n77A | DC_1A_n3A<br>DC_1A_n77A<br>DC_3A_n3A[1]<br>DC_3A_n77A<br>DC_18A_n3A<br>DC_18A_n77A |
| DC_1A-3A-18A_n3A-n78A | DC_1A_n3A<br>DC_1A_n78A<br>DC_3A_n3A[1]<br>DC_3A_n78A<br>DC_18A_n3A<br>DC_18A_n78A |
| DC_1A-3A-18A_n28A-n77A<br>DC_1A-3A-18A_n28A-n77(2A) | DC_1A_n28A<br>DC_1A_n77A<br>DC_3A_n28A[1]<br>DC_3A_n77A<br>DC_18A_n28A<br>DC_18A_n77A |
| DC_1A-3A-18A_n28A-n78A<br>DC_1A-3A-18A_n28A-n78(2A) | DC_1A_n28A<br>DC_1A_n78A<br>DC_3A_n28A[1]<br>DC_3A_n78A<br>DC_18A_n28A<br>DC_18A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-18A-42A_n77A<br>DC_1A-3A-18A-42C_n77A | DC_1A_n77A<br>DC_3A_n77A<br>DC_18A_n77A |
| DC_1A-3A-18A-42A_n78A<br>DC_1A-3A-18A-42C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_18A_n78A |
| DC_1A-3A-18A-42A_n79A<br>DC_1A-3A-18A-42C_n79A | DC_1A_n79A<br>DC_3A_n79A<br>DC_18A_n79A |
| DC_1A-3A-19A-21A_n77A[2]<br>DC_1A-3A-19A-21A_n77C[2] | DC_1A_n77A<br>DC_3A_n77A<br>DC_19A_n77A<br>DC_21A_n77A |
| DC_1A-3A-19A-21A_n78A[2]<br>DC_1A-3A-19A-21A_n78C[2] | DC_1A_n78A<br>DC_3A_n78A<br>DC_19A_n78A<br>DC_21A_n78A |
| DC_1A-3A-19A-21A_n79A[2]<br>DC_1A-3A-19A-21A_n79C[2] | DC_1A_n79A<br>DC_3A_n79A<br>DC_19A_n79A<br>DC_21A_n79A |
| DC_1A-3A-19A-42A_n77A<br>DC_1A-3A-19A-42A_n77C<br>DC_1A-3A-19A-42C_n77A<br>DC_1A-3A-19A-42C_n77C | DC_1A_n77A<br>DC_3A_n77A<br>DC_19A_n77A |
| DC_1A-3A-19A-42A_n78A<br>DC_1A-3A-19A-42A_n78C<br>DC_1A-3A-19A-42C_n78A<br>DC_1A-3A-19A-42C_n78C | DC_1A_n78A<br>DC_3A_n78A<br>DC_19A_n78A |
| DC_1A-3A-19A-42A_n79A<br>DC_1A-3A-19A-42A_n79C<br>DC_1A-3A-19A-42C_n79A<br>DC_1A-3A-19A-42C_n79C | DC_1A_n79A<br>DC_3A_n79A<br>DC_19A_n79A |
| DC_1A-3A-20A_n28A-n78A[2,3] | DC_1A_n28A<br>DC_1A_n78A<br>DC_3A_n28A<br>DC_3A_n78A<br>DC_20A_n28A<br>DC_20A_n78A |
| DC_1A-3A-20A-38A_n78A | DC_3A_n78A<br>DC_20A_n78A |
| DC_1A-3A-20A_n38A-n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_20A_n78A<br>DC_1A_n38A<br>DC_3A_n38A<br>DC_20A_n38A |
| DC_1A-3A-20A_n41A-n78A | DC_1A_n41A<br>DC_1A_n78A<br>DC_3A_n41A<br>DC_3A_n78A<br>DC_20A_n41A<br>DC_20A_n78A |
| DC_1A-3A-21A-42A_n77A<br>DC_1A-3A-21A-42A_n77C<br>DC_1A-3A-21A-42C_n77A<br>DC_1A-3A-21A-42C_n77C | DC_1A_n77A<br>DC_3A_n77A<br>DC_21A_n77A |
| DC_1A-3A-21A-42A_n78A<br>DC_1A-3A-21A-42A_n78C<br>DC_1A-3A-21A-42C_n78A<br>DC_1A-3A-21A-42C_n78C | DC_1A_n78A<br>DC_3A_n78A<br>DC_21A_n78A |
| DC_1A-3A-21A-42A_n79A<br>DC_1A-3A-21A-42A_n79C<br>DC_1A-3A-21A-42C_n79A<br>DC_1A-3A-21A-42C_n79C | DC_1A_n79A<br>DC_3A_n79A<br>DC_21A_n79A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-21A_n77A-n79A | DC_3A_n77A<br>DC_3A_n79A |
| DC_1A-3A-21A_n78A-n79A | DC_3A_n78A<br>DC_3A_n79A |
| DC_1A-3A-28A_n5A-n78A<br>DC_1A-3C-28A_n5A-n78A | DC_1A_n5A<br>DC_1A_n78A<br>DC_3A_n5A<br>DC_3C_n5A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_28A_n5A<br>DC_28A_n78A |
| DC_1A-3A-28A_n7A-n78A | DC_1A-n7A<br>DC_3A-n7A<br>DC_28A_n7A<br>DC_1A_n78A<br>DC_3A_n78A<br>DC_28A_n78A |
| DC_1A-3A-28A_n7B-n78A | DC_1A-n7A<br>DC_3A-n7A<br>DC_28A_n7A<br>DC_1A-n7B<br>DC_3A-n7B<br>DC_28A_n7B<br>DC_1A_n78A<br>DC_3A_n78A<br>DC_28A_n78A |
| DC_1A-3C-28A_n7A-n78A | DC_1A-n7A<br>DC_3A-n7A<br>DC_3C-n7A<br>DC_28A_n7A<br>DC_1A_n78A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_28A_n78A |
| DC_1A-3C-28A_n7B-n78A | DC_1A-n7A<br>DC_3A-n7A<br>DC_3C-n7A<br>DC_28A_n7A<br>DC_1A-n7B<br>DC_3A-n7B<br>DC_3C-n7B<br>DC_28A_n7B<br>DC_1A_n78A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_28A_n78A |
| DC_1A-3A-28A_n40A-n78A | DC_1A-n40A<br>DC_1A-n78A<br>DC_3A_n40A<br>DC_3A-n78A<br>DC_28A_n40A<br>DC_28A_n78A |
| DC_1A-3A-28A-42A_n77A<br>DC_1A-3A-28A-42A_n77C<br>DC_1A-3A-28A-42C_n77A<br>DC_1A-3A-28A-42C_n77C | DC_1A_n77A<br>DC_3A_n77A<br>DC_28A_n77A |
| DC_1A-3A-28A-42A_n78A<br>DC_1A-3A-28A-42A_n78C<br>DC_1A-3A-28A-42C_n78A<br>DC_1A-3A-28A-42C_n78C | DC_1A_n78A<br>DC_3A_n78A<br>DC_28A_n78A |
| DC_1A-3A-28A-42A_n79A<br>DC_1A-3A-28A-42A_n79C<br>DC_1A-3A-28A-42C_n79A<br>DC_1A-3A-28A-42C_n79C | DC_1A_n79A<br>DC_3A_n79A<br>DC_28A_n79A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-41A_n3A-n41A | DC_1A_n3A<br>DC_1A_n41A<br>DC_3A_n3A[1]<br>DC_3A_n41A<br>DC_41A_n3A |
| DC_1A-3A-41A_n3A-n77A | DC_1A_n3A<br>DC_1A_n77A<br>DC_3A_n3A[1]<br>DC_3A_n77A<br>DC_41A_n3A<br>DC_41A_n77A |
| DC_1A-3A-41C_n3A-n77A | DC_1A_n3A<br>DC_1A_n77A<br>DC_3A_n3A[1]<br>DC_3A_n77A<br>DC_41A_n3A<br>DC_41A_n77A<br>DC_41C_n3A<br>DC_41C_n77A |
| DC_1A-3A-41A_n3A-n78A | DC_1A_n3A<br>DC_1A_n78A<br>DC_3A_n3A[1]<br>DC_3A_n78A<br>DC_41A_n3A<br>DC_41A_n78A |
| DC_1A-3A-41C_n3A-n78A | DC_1A_n3A<br>DC_1A_n78A<br>DC_3A_n3A[1]<br>DC_3A_n78A<br>DC_41A_n3A<br>DC_41A_n78A<br>DC_41C_n3A<br>DC_41C_n78A |
| DC_1A-3A-41A_n28A-n41A | DC_1A_n28A<br>DC_1A_n41A<br>DC_3A_n28A<br>DC_3A_n41A<br>DC_41A_n28A |
| DC_1A-3A-41A_n28A-n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_3A_n28A<br>DC_3A_n77A<br>DC_41A_n28A<br>DC_41A_n77A |
| DC_1A-3A-41C_n28A-n77A | DC_1A_n28A<br>DC_1A_n77A<br>DC_3A_n28A<br>DC_3A_n77A<br>DC_41A_n28A<br>DC_41A_n77A<br>DC_41C_n28A<br>DC_41C_n77A |
| DC_1A-3A-41A_n28A-n78A | DC_1A_n28A<br>DC_1A_n78A<br>DC_3A_n28A<br>DC_3A_n78A<br>DC_41A_n28A<br>DC_41A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-41C_n28A-n78A | DC_1A_n28A<br>DC_1A_n78A<br>DC_3A_n28A<br>DC_3A_n78A<br>DC_41A_n28A<br>DC_41A_n78A<br>DC_41C_n28A<br>DC_41C_n78A |
| DC_1A-3A-41A_n41A-n77A | DC_1A_n41A<br>DC_1A_n77A<br>DC_3A_n41A<br>DC_3A_n77A<br>DC_41A_n77A |
| DC_1A-3A-41A_n41A-n78A | DC_1A_n41A<br>DC_1A_n78A<br>DC_3A_n41A<br>DC_3A_n78A<br>DC_41A_n78A |
| DC_1A-3A-41A-42A_n77A<br>DC_1A-3A-41A-42C_n77A<br>DC_1A-3A-41C-42A_n77A<br>DC_1A-3A-41C-42C_n77A | DC_1A_n77A<br>DC_3A_n77A<br>DC_41A_n77A |
| DC_1A-3A-41A-42A_n77(2A)<br>DC_1A-3A-41A-42C_n77(2A) | DC_1A_n77A<br>DC_3A_n77A<br>DC_41A_n77A |
| DC_1A-3A-41A-42A_n78A<br>DC_1A-3A-41A-42C_n78A<br>DC_1A-3A-41C-42A_n78A<br>DC_1A-3A-41C-42C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_41A_n78A |
| DC_1A-3A-41A-42A_n79A<br>DC_1A-3A-41A-42C_n79A<br>DC_1A-3A-41C-42A_n79A<br>DC_1A-3A-41C-42C_n79A | DC_1A_n79A<br>DC_3A_n79A<br>DC_41A_n79A |
| DC_1A-7A-8A-40A_n78A<br>DC_1A-7A-8A-40C_n78A | DC_1A_n78A<br>DC_7A_n78A<br>DC_8A_n78A<br>DC_40A_n78A |
| DC_1A-7A-20A_n3A-n78A | DC_1A_n3A |
| DC_1A-7A-20A_n28A-n78A[2,3] | DC_1A_n28A<br>DC_1A_n78A<br>DC_7A_n28A<br>DC_7A_n78A<br>DC_20A_n28A<br>DC_20A_n78A |
| DC_1A-7A-20A-32A _n28A | DC_1A_n28A<br>DC_7A_n28A<br>DC_20A_n28A |
| DC_1A-7A-20A-32A _n78A | DC_1A_n78A<br>DC_7A_n78A<br>DC_20A_n78A |
| DC_1A-7A-28A_n5A-n78A<br>DC_1A-7C-28A_n5A-n78A | DC_1A_n5A<br>DC_1A_n78A<br>DC_7A_n5A<br>DC_7C_n5ADC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n5A<br>DC_28A_n78A |
| DC_1A-7A-28A_n7A-n78A | DC_1A-n7A<br>DC_7A-n7A[4]<br>DC_28A_n7A<br>DC_1A_n78A<br>DC_7A_n78A<br>DC_28A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-7A-28A_n40A-n78A | DC_1A_n40A<br>DC_1A_n78A<br>DC_7A_n40A<br>DC_7A_n78A<br>DC_28A_n40A<br>DC_28A_n78A |
| DC_1A-8A-42A_n28A-n77A<br>DC_1A-8A-42A_n28A-n77(2A) | DC_1A_n28A<br>DC_1A_n77A<br>DC_8A_n28A<br>DC_8A_n77A<br>DC_42A_n28A |
| DC_1A-8A-42C_n28A-n77A<br>DC_1A-8A-42C_n28A-n77(2A) | DC_1A_n28A<br>DC_1A_n77A<br>DC_8A_n28A<br>DC_8A_n77A<br>DC_42A_n28A<br>DC_42C_n28A |
| DC_1A-19A-21A-42A_n77A<br>DC_1A-19A-21A-42A_n77C<br>DC_1A-19A-21A-42C_n77A<br>DC_1A-19A-21A-42C_n77C | DC_1A_n77A<br>DC_19A_n77A<br>DC_21A_n77A |
| DC_1A-19A-21A-42A_n78A<br>DC_1A-19A-21A-42A_n78C<br>DC_1A-19A-21A-42C_n78A<br>DC_1A-19A-21A-42C_n78C | DC_1A_n78A<br>DC_19A_n78A<br>DC_21A_n78A |
| DC_1A-19A-21A-42A_n79A<br>DC_1A-19A-21A-42A_n79C<br>DC_1A-19A-21A-42C_n79A<br>DC_1A-19A-21A-42C_n79C | DC_1A_n79A<br>DC_19A_n79A<br>DC_21A_n79A |
| DC_1A-19A-42A_n77A-n79A<br>DC_1A-19A-42C_n77A-n79A | DC_19A_n77A<br>DC_19A_n79A |
| DC_1A-19A-42A_n78A-n79A<br>DC_1A-19A-42C_n78A-n79A | DC_19A_n78A<br>DC_19A_n79A |
| DC_1A-20A-38A_n3A-n78A | DC_1A_n3A<br>DC_20A_n3A<br>DC_38A_n3A<br>DC_1A_n78A<br>DC_20A_n78A<br>DC_38A_n78A |
| DC_1A-21A-28A-42A_n77A<br>DC_1A-21A-28A-42C_n77A | DC_1A_n77A<br>DC_21A_n77A<br>DC_28A_n77A |
| DC_1A-21A-28A-42A_n78A<br>DC_1A-21A-28A-42C_n78A | DC_1A_n78A<br>DC_21A_n78A<br>DC_28A_n78A |
| DC_1A-21A-28A-42A_n79A<br>DC_1A-21A-28A-42C_n79A | DC_1A_n79A<br>DC_21A_n79A<br>DC_28A_n79A |
| DC_1A-21A-42A_n77A-n79A<br>DC_1A-21A-42C_n77A-n79A | DC_1A_n77A<br>DC_1A_n79A |
| DC_1A-21A-42A_n78A-n79A<br>DC_1A-21A-42C_n78A-n79A | DC_1A_n78A<br>DC_1A_n79A |
| DC_2A-5A-7A-66A_n7A<br>DC_2A-5A-7A-66A-66A_n7A | DC_2A_n7A<br>DC_5A_n7A<br>DC_7A_n7A[4]<br>DC_66A_n7A |
| DC_2A-5A-7A-66A_n66A<br>DC_2A-5A-7C-66A_n66A | DC_2A_n66A<br>DC_5A_n66A<br>DC_7A_n66A<br>DC_66A_n66A[4] |
| DC_2A-7A-13A-66A_n66A<br>DC_2A-7C-13A-66A_n66A | DC_2A_n66A<br>DC_7A_n66A<br>DC_13A_n66A<br>DC_66A_n66A[4] |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-7A-28A-66A_n7A | DC_2A_n7A<br>DC_7A_n7A[4]<br>DC_28A_n7A<br>DC_66A_n7A |
| DC_2A-7A-28A-66A_n66A<br>DC_2A-7C-28A-66A_n66A | DC_2A_n66A<br>DC_7A_n66A<br>DC_28A_n66A<br>DC_66A_n66A[4] |
| DC_2A-7A-66A_n66A-n78A<br>DC_2A-7A-7A-66A_n66A-n78A<br>DC_2A-7C-66A_n66A-n78A | DC_2A_n66A<br>DC_2A_n78A<br>DC_7A_n66A<br>DC_7A_n78A<br>DC_66A_n66A[4]<br>DC_66A_n78A |
| DC_2A-12A-30A-66A_n2A | DC_12A_n2A<br>DC_30A_n2A<br>DC_66A_n2A |
| DC_2A-12A-30A-66A_n66A | DC_2A_n66A<br>DC_12A_n66A<br>DC_30A_n66A<br>DC_66A_n66A[4] |
| DC_2A-29A-30A-66A_n2A | DC_2A_n2A<br>DC_30A_n2A<br>DC_66A_n2A |
| DC_2A-46A-66A_n41A-n71A<br>DC_2A-46C-66A_n41A-n71A<br>DC_2A-46D-66A_n41A-n71A | DC_2A_n41A<br>DC_2A_n71A<br>DC_66A_n41A<br>DC_66A_n71A |
| DC_3A-7A-8A_n1A-n78A<br>DC_3A-3A-7A-8A_n1A-n78A<br>DC_3A-7A-7A-8A_n1A-n78A<br>DC_3A-3A-7A-7A-8A_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_7A_n1A<br>DC_7A_n78A<br>DC_8A_n1A<br>DC_8A_n78A |
| DC_3A-7A-8A-40A_n1A<br>DC_3A-7A-8A-40C_n1A | DC_3A_n1A<br>DC_7A_n1A<br>DC_8A_n1A<br>DC_40A_n1A |
| DC_3A-7A-8A-40A_n78A<br>DC_3A-7A-8A-40C_n78A | DC_3A_n78A<br>DC_7A_n78A<br>DC_8A_n78A<br>DC_40A_n78A |
| DC_3A-7A-8A_n40A-n78A | DC_3A_n40A<br>DC_3A_n78A<br>DC_7A_n40A<br>DC_7A_n78A<br>DC_8A_n40A<br>DC_8A_n78A |
| DC_3A-7A-20A_n1A-n78A<br>DC_3C-7A-20A_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_7A_n1A<br>DC_7A_n78A<br>DC_20A_n1A<br>DC_20A_n78A |
| DC_3A-7A-20A_n28A-n78A[2,3] | DC_3A_n28A<br>DC_3A_n78A<br>DC_7A_n28A<br>DC_7A_n78A<br>DC_20A_n28A<br>DC_20A_n78A |
| DC_3A-7A-20A-32A _n78A | DC_3A_n78A<br>DC_7A_n78A<br>DC_20A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-7A-28A_n1A-n40A | DC_3A_n1A<br>DC_3A_n40A<br>DC_7A_n1A<br>DC_7A_n40A<br>DC_28A_n1A<br>DC_28A_n40A |
| DC_3A-7A-28A_n5A-n78A<br>DC_3C-7A-28A_n5A-n78A<br>DC_3A-7C-28A_n5A-n78A<br>DC_3C-7C-28A_n5A-n78A | DC_3A_n5A<br>DC_3C_n5A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n5A<br>DC_7C_n5A<br>DC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n5A<br>DC_28A_n78A |
| DC_3A-7A-28A_n7A-n78A | DC_3A-n7A<br>DC_7A-n7A[4]<br>DC_28A_n7A<br>DC_3A_n78A<br>DC_7A_n78A<br>DC_28A_n78A |
| DC_3C-7A-28A_n7A-n78A | DC_3A-n7A<br>DC_3C-n7A<br>DC_7A-n7A[4]<br>DC_28A_n7A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A<br>DC_28A_n78A |
| DC_3A-7A-28A_n40A-n78A | DC_3A_n40A<br>DC_3A_n78A<br>DC_7A_n40A<br>DC_7A_n78A<br>DC_28A_n40A<br>DC_28A_n78A |
| DC_3A-19A-21A-42A_n77A<br>DC_3A-19A-21A-42A_n77C<br>DC_3A-19A-21A-42C_n77A<br>DC_3A-19A-21A-42C_n77C | DC_3A_n77A<br>DC_19A_n77A<br>DC_21A_n77A |
| DC_3A-19A-21A-42A_n78A<br>DC_3A-19A-21A-42A_n78C<br>DC_3A-19A-21A-42C_n78A<br>DC_3A-19A-21A-42C_n78C | DC_3A_n78A<br>DC_19A_n78A<br>DC_21A_n78A |
| DC_3A-19A-21A-42A_n79A<br>DC_3A-19A-21A-42A_n79C<br>DC_3A-19A-21A-42C_n79A<br>DC_3A-19A-21A-42C_n79C | DC_3A_n79A<br>DC_19A_n79A<br>DC_21A_n79A |
| DC_3A-19A-42A_n1A-n77A<br>DC_3A-19A-42C_n1A-n77A | DC_3A_n1A<br>DC_3A_n77A<br>DC_19A_n1A<br>DC_19A_n77A |
| DC_3A-19A-42A_n1A-n78A<br>DC_3A-19A-42C_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_19A_n1A<br>DC_19A_n78A |
| DC_3A-19A-42A_n1A-n79A<br>DC_3A-19A-42C_n1A-n79A | DC_3A_n1A<br>DC_3A_n79A<br>DC_19A_n1A<br>DC_19A_n79A |
| DC_3A-21A-42A_n1A-n77A<br>DC_3A-21A-42C_n1A-n77A | DC_3A_n1A<br>DC_3A_n77A<br>DC_21A_n1A<br>DC_21A_n77A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-21A-42A_n1A-n78A<br>DC_3A-21A-42C_n1A-n78A | DC_3A_n1A<br>DC_3A_n78A<br>DC_21A_n1A<br>DC_21A_n78A |
| DC_3A-21A-42A_n1A-n79A<br>DC_3A-21A-42C_n1A-n79A | DC_3A_n1A<br>DC_3A_n79A<br>DC_21A_n1A<br>DC_21A_n79A |
| DC_3A-28A-41A-42A_n78A<br>DC_3A-28A-41A-42C_n78A<br>DC_3A-28A-41C-42A_n78A<br>DC_3A-28A-41C-42C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_19A-21A-42A_n1A-n77A<br>DC_19A-21A-42C_n1A-n77A | DC_19A_n1A<br>DC_19A_n77A<br>DC_21A_n1A<br>DC_21A_n77A |
| DC_19A-21A-42A_n1A-n78A<br>DC_19A-21A-42C_n1A-n78A | DC_19A_n1A<br>DC_19A_n78A<br>DC_21A_n1A<br>DC_21A_n78A |
| DC_19A-21A-42A_n1A-n79A<br>DC_19A-21A-42C_n1A-n79A | DC_19A_n1A<br>DC_19A_n79A<br>DC_21A_n1A<br>DC_21A_n79A |
| DC_19A-21A-42A_n77A-n79A<br>DC_19A-21A-42C_n77A-n79A | DC_19A_n77A<br>DC_19A_n79A |
| DC_19A-21A-42A_n78A-n79A<br>DC_19A-21A-42C_n78A-n79A | DC_19A_n78A<br>DC_19A_n79A |

NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.
NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability
NOTE 3: The frequency range in band n28 is restricted for this band combination to 703-733 MHz for the UL and 758-788 MHz for the DL
NOTE 4: Only single switched UL is supported

### 5.5B.4.5 Inter-band EN-DC configurations within FR1 (six bands)

**Table 5.5B.4.5-1: Inter-band EN-DC configurations within FR1 (six bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-7A-8A-40A_n78A<br>DC_1A-3A-7A-8A-40C_n78A | DC_1A_n78A<br>DC_3A_n78A<br>DC_7A_n78A<br>DC_8A_n78A<br>DC_40A_n78A |
| DC_1A-3A-7A-20A_n28A-n78A[2,3] | DC_1A_n28A<br>DC_1A_n78A<br>DC_3A_n28A<br>DC_3A_n78A<br>DC_7A_n28A<br>DC_7A_n78A<br>DC_20A_n28A<br>DC_20A_n78A |
| DC_1A-3A-7A-28A_n5A-n78A<br>DC_1A-3A-7C-28A_n5A-n78A<br>DC_1A-3C-7A-28A_n5A-n78A<br>DC_1A-3C-7C-28A_n5A-n78A | DC_1A_n5A<br>DC_1A_n78A<br>DC_3A_n5A<br>DC_3C_n5A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n5A<br>DC_7C_n5A<br>DC_7A_n78A<br>DC_7C_n78A<br>DC_28A_n5A<br>DC_28A_n78A |
| DC_1A-3A-7A-28A_n7A-n78A | DC_1A-n7A<br>DC_3A-n7A<br>DC_7A-n7A[4]<br>DC_28A_n7A<br>DC_1A_n78A<br>DC_3A_n78A<br>DC_7A_n78A<br>DC_28A_n78A |
| DC_1A-3C-7A-28A_n7A-n78A | DC_1A-n7A<br>DC_3A-n7A<br>DC_3C-n7A<br>DC_7A-n7A[4]<br>DC_28A_n7A<br>DC_1A_n78A<br>DC_3A_n78A<br>DC_3C_n78A<br>DC_7A_n78A<br>DC_28A_n78A |
| DC_1A-3A-7A-28A_n40A-n78A | DC_1A_n40A<br>DC_1A_n78A<br>DC_3A_n40A<br>DC_3A_n78A<br>DC_7A_n40A<br>DC_7A_n78A<br>DC_28A_n40A<br>DC_28A_n78A |

NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.
NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability.
NOTE 3: The frequency range in band n28 is restricted for this band combination to 703-733 MHz for the UL and 758-788 MHz for the DL.
NOTE 4: Only single switched UL is supported.

# 5.5B.4a Inter-band NE-DC within FR1

## 5.5B.4a.1 Inter-band NE-DC configurations within FR1 (two bands)

**Table 5.5B.4a.1-1: Inter-band NE-DC configurations within FR1 (two bands)**

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) | Single UL allowed |
|---|---|---|
| DC_n1A_28A | DC_n1A_28A | No |
| DC_n78A_1A | DC_n78A_1A | No |
| DC_n78A_3A | DC_n78A_3A | No |
| DC_n78A_3C | DC_n78A_3A | No |
| DC_n78A_5A | DC_n78A_5A | No |
| DC_n78A_7A | DC_n78A_7A | No |
| DC_n78A_7A-7A | DC_n78A_7A | No |
| DC_n78A_8A | DC_n78A_8A | No |
| DC_n78A_26A | DC_n78A_26A | No |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications. | | |

## 5.5B.4a.4 Inter-band NE-DC configurations within FR1 (five bands)

**Table 5.5B.4a.4-1: Inter-band NE-DC configurations within FR1 (five bands)**

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n78A_1A-3A-5A-7A | DC_n78A_1A<br>DC_n78A_3A<br>DC_n78A_5A<br>DC_n78A_7A |
| DC_n78A_1A-3A-5A-7A-7A | DC_n78A_1A<br>DC_n78A_3A<br>DC_n78A_5A<br>DC_n78A_7A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications. | |

## 5.5B.5 Inter-band EN-DC including FR2

### 5.5B.5.1 Inter-band EN-DC configurations including FR2 (two bands)

**Table 5.5B.5.1-1: Inter-band EN-DC configurations including FR2 (two bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257E<br>DC_1A_n257F<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M |
| DC_1A_n258A<br>DC_1A_n258D<br>DC_1A_n258G<br>DC_1A_n258H<br>DC_1A_n258I<br>DC_1A_n258J<br>DC_1A_n258K<br>DC_1A_n258L<br>DC_1A_n258M | DC_1A_n258A<br>DC_1A_n258D<br>DC_1A_n258G |
| DC_2A_n257A<br>DC_2C_n257A | DC_2A_n257A |
| DC_2A_n257(2A) | DC_2A_n257A |
| DC_2A-2A_n257A | DC_2A_n257A |
| DC_2A_n258A | DC_2A_n258A |
| DC_2A_n258(2A)<br>DC_2A_n258(3A)<br>DC_2A_n258(4A)<br>DC_2A_n258(5A) | DC_2A_n258A |
| DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M<br>DC_2A_n260O<br>DC_2A_n260P<br>DC_2A_n260Q<br>DC_2C_n260A | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260O<br>DC_2A_n260P<br>DC_2A_n260Q |

| | |
|---|---|
| DC_2A_n260(2A)<br>DC_2A_n260(3A)<br>DC_2A_n260(4A)<br>DC_2A_n260(5A)<br>DC_2A_n260(6A)<br>DC_2A_n260(7A)<br>DC_2A_n260(8A)<br>DC_2A_n260(2D)<br>DC_2A_n260(2G)<br>DC_2A_n260(3G)<br>DC_2A_n260(4G)<br>DC_2A_n260(2H)<br>DC_2A_n260(2O)<br>DC_2A_n260(3O)<br>DC_2A_n260(4O)<br>DC_2A_n260(A-G)<br>DC_2A_n260(A-H)<br>DC_2A_n260(A-P)<br>DC_2A_n260(A-Q)<br>DC_2A_n260(A-2G)<br>DC_2A_n260(A-2H)<br>DC_2A_n260(2A-G)<br>DC_2A_n260(2A-H)<br>DC_2A_n260(2A-2G)<br>DC_2A_n260(2A-2H)<br>DC_2A_n260(3A-G)<br>DC_2A_n260(3A-O)<br>DC_2A_n260(3A-2O)<br>DC_2A_n260(3A-P)<br>DC_2A_n260(4A-O)<br>DC_2A_n260(4A-2O)<br>DC_2A_n260(G-H)<br>DC_2A_n260(P-Q)<br>DC_2A_n260(A-P-Q)<br>DC_2A_n260(2A-O-P)<br>DC_2A_n260(3A-O-P) | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260O<br>DC_2A_n260P<br>DC_2A_n260Q |
| DC_2A-2A_n260A<br>DC_2A-2A_n260G<br>DC_2A-2A_n260H<br>DC_2A-2A_n260I<br>DC_2A-2A_n260J<br>DC_2A-2A_n260K<br>DC_2A-2A_n260L<br>DC_2A-2A_n260M | DC_2A_n260A |
| DC_2A_n261A<br>DC_2A_n261(2A)<br>DC_2A_n261(3A)<br>DC_2A_n261(4A) | DC_2A_n261A |
| DC_2A_n261G<br>DC_2A_n261H<br>DC_2A_n261I<br>DC_2A_n261J<br>DC_2A_n261K<br>DC_2A_n261L<br>DC_2A_n261M | DC_2A_n261A<br>DC_2A_n261G<br>DC_2A_n261H<br>DC_2A_n261I |

| | |
|---|---|
| DC_2A_n261(2I)<br>DC_2A_n261(2H)<br>DC_2A_n261(A-G)<br>DC_2A_n261(A-J)<br>DC_2A_n261(A-K)<br>DC_2A_n261(A-L)<br>DC_2A_n261(A-2G)<br>DC_2A_n261(A-H)<br>DC_2A_n261(A-I)<br>DC_2A_n261(2A-G)<br>DC_2A_n261(2A-I)<br>DC_2A_n261(2A-H)<br>DC_2A_n261(3A-G)<br>DC_2A_n261(G-H)<br>DC_2A_n261(G-I)<br>DC_2A_n261(G-J)<br>DC_2A_n261(2G)<br>DC_2A_n261(H-I)<br>DC_2A_n261(A-G-H)<br>DC_2A_n261(A-G-I) | DC_2A_n261A<br>DC_2A_n261G<br>DC_2A_n261H<br>DC_2A_n261I |
| DC_2A-2A_n261A<br>DC_2A-2A_n261I<br>DC_2A-2A_n261M | DC_2A_n261A<br>DC_2A_n261G<br>DC_2A_n261H<br>DC_2A_n261I |
| DC_3A_n257A<br>DC_3A_n257B<br>DC_3A_n257C<br>DC_3A_n257D<br>DC_3A_n257E<br>DC_3A_n257F<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_3C_n257A<br>DC_3C_n257D<br>DC_3C_n257E<br>DC_3C_n257F<br>DC_3C_n257G<br>DC_3C_n257H<br>DC_3C_n257I<br>DC_3C_n257J<br>DC_3C_n257K<br>DC_3C_n257L<br>DC_3C_n257M | DC_3A_n257A<br>DC_3A_n257B<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_3C_n257A |
| DC_3A_n258A<br>DC_3A_n258B<br>DC_3A_n258C<br>DC_3A_n258D<br>DC_3A_n258E<br>DC_3A_n258F<br>DC_3A_n258G<br>DC_3A_n258H<br>DC_3A_n258I<br>DC_3A_n258J<br>DC_3A_n258K<br>DC_3A_n258L<br>DC_3A_n258M | DC_3A_n258A |

| | |
|---|---|
| DC_3A-3A_n257A<br>DC_3A-3A_n257D<br>DC_3A-3A_n257E<br>DC_3A-3A_n257F<br>DC_3A-3A_n257G<br>DC_3A-3A_n257H<br>DC_3A-3A_n257I<br>DC_3A-3A_n257J<br>DC_3A-3A_n257K<br>DC_3A-3A_n257L<br>DC_3A-3A_n257M | DC_3A_n257A |

| | |
|---|---|
| DC_4A_n260(2A)<br>DC_4A_n260(3A)<br>DC_4A_n260(4A)<br>DC_4A_n260(5A)<br>DC_4A_n260(6A)<br>DC_4A_n260(7A)<br>DC_4A_n260(8A)<br>DC_4A_n260(2D)<br>DC_4A_n260(2G)<br>DC_4A_n260(3G)<br>DC_4A_n260(4G)<br>DC_4A_n260(2H)<br>DC_4A_n260(2O)<br>DC_4A_n260(3O)<br>DC_4A_n260(4O)<br>DC_4A_n260(A-D)<br>DC_4A_n260(2A-D)<br>DC_4A_n260(A-O)<br>DC_4A_n260(2A-O)<br>DC_4A_n260(A-D-O)<br>DC_4A_n260(2A-D-O)<br>DC_4A_n260(A-2O)<br>DC_4A_n260(D-2O)<br>DC_4A_n260(A-D-2O)<br>DC_4A_n260(2A-D-2O)<br>DC_4A_n260(A-2D)<br>DC_4A_n260(2A-2D)<br>DC_4A_n260(A-P)<br>DC_4A_n260(2A-P)<br>DC_4A_n260(A-2P)<br>DC_4A_n260(2A-2P)<br>DC_4A_n260(A-G)<br>DC_4A_n260(2A-G)<br>DC_4A_n260(A-2G)<br>DC_4A_n260(2A-2G)<br>DC_4A_n260(G-O)<br>DC_4A_n260(2G-O)<br>DC_4A_n260(A-G-O)<br>DC_4A_n260(2A-G-O)<br>DC_4A_n260(A-2G-O)<br>DC_4A_n260(2A-2G-O)<br>DC_4A_n260(A-H)<br>DC_4A_n260(A-2H)<br>DC_4A_n260(2A-H)<br>DC_4A_n260(2A-2H)<br>DC_4A_n260(2A-2O)<br>DC_4A_n260(A-3O)<br>DC_4A_n260(2A-3O)<br>DC_4A_n260(A-4O)<br>DC_4A_n260(2A-4O)<br>DC_4A_n260(3A-O)<br>DC_4A_n260(3A-2O)<br>DC_4A_n260(3A-3O)<br>DC_4A_n260(3A-G)<br>DC_4A_n260(3A-2G)<br>DC_4A_n260(4A-G)<br>DC_4A_n260(4A-2G)<br>DC_4A_n260(4A-O)<br>DC_4A_n260(4A-2O)<br>DC_4A_n260(D-2G)<br>DC_4A_n260(2D-O)<br>DC_4A_n260(G-2O)<br>DC_4A_n260(2G-2O)<br>DC_4A_n260(G-3O)<br>DC_4A_n260(2G-3O)<br>DC_4A_n260(G-4O)<br>DC_4A_n260(2G-4O)<br>DC_4A_n260(3G-O) | DC_4A_n260A<br>DC_4A_n260G<br>DC_4A_n260H<br>DC_4A_n260O<br>DC_4A_n260P<br>DC_4A_n260Q |

| | |
|---|---|
| DC_4A_n260(4G-O)<br>DC_4A_n260(H-O)<br>DC_4A_n260(2H-O)<br>DC_4A_n260(A-P-Q)<br>DC_4A_n260(3A-O-P) | |
| DC_4A_n260G<br>DC_4A_n260H<br>DC_4A_n260O<br>DC_4A_n260P<br>DC_4A_n260Q | DC_4A_n260A<br>DC_4A_n260G<br>DC_4A_n260H<br>DC_4A_n260O<br>DC_4A_n260P<br>DC_4A_n260Q |
| DC_4A_n261(2A)<br>DC_4A_n261(3A)<br>DC_4A_n261(4A)<br>DC_4A_n261(2H)<br>DC_4A_n261(2I)<br>DC_4A_n261(A-D)<br>DC_4A_n261(A-H)<br>DC_4A_n261(A-2H)<br>DC_4A_n261(A-D-H)<br>DC_4A_n261(A-G)<br>DC_4A_n261(A-G-H)<br>DC_4A_n261(A-I)<br>DC_4A_n261(A-2I)<br>DC_4A_n261(G-I)<br>DC_4A_n261(A-G-I)<br>DC_4A_n261(A-H-I)<br>DC_4A_n261(G-H)<br>DC_4A_n261(H-I)<br>DC_4A_n261(D-H) | DC_4A_n261A<br>DC_4A_n261H<br>DC_4A_n261I<br>DC_4A_n261G |
| DC_4A_n261A<br>DC_4A_n261D<br>DC_4A_n261G<br>DC_4A_n261H<br>DC_4A_n261I<br>DC_4A_n261L<br>DC_4A_n261M | DC_4A_n261A<br>DC_4A_n261D<br>DC_4A_n261G<br>DC_4A_n261H<br>DC_4A_n261I |
| DC_4A_n260A | DC_4A_n260A |
| DC_4A_n260(A-Q)<br>DC_4A_n260(P-Q)<br>DC_4A_n260(2A-O-P)<br>DC_4A_n260(3A-P)<br>DC_4A_n260(A-O-P) | DC_4A_n260A<br>DC_4A_n260G<br>DC_4A_n260H<br>DC_4A_n260O<br>DC_4A_n260P<br>DC_4A_n260Q |
| DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257E<br>DC_5A_n257F<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_5A_n257J<br>DC_5A_n257K<br>DC_5A_n257L<br>DC_5A_n257M<br>DC_5B_n257A | DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_5B_n257A |
| DC_5A-5A_n257A | DC_5A_n257A |
| DC_5A_n258A | DC_5A_n258A |

| | |
|---|---|
| DC_5A_n260A<br>DC_5A_n260B<br>DC_5A_n260C<br>DC_5A_n260D<br>DC_5A_n260E<br>DC_5A_n260F<br>DC_5A_n260G<br>DC_5A_n260H<br>DC_5A_n260I<br>DC_5A_n260J<br>DC_5A_n260K<br>DC_5A_n260L<br>DC_5A_n260M<br>DC_5A_n260O<br>DC_5A_n260P<br>DC_5A_n260Q<br>DC_5B_n260A | DC_5A_n260A<br>DC_5A_n260G<br>DC_5A_n260H<br>DC_5A_n260I<br>DC_5A_n260O<br>DC_5A_n260P<br>DC_5A_n260Q<br>DC_5B_n260A |

| | |
|---|---|
| DC_5A_n260(2A)<br>DC_5A_n260(3A)<br>DC_5A_n260(4A)<br>DC_5A_n260(5A)<br>DC_5A_n260(6A)<br>DC_5A_n260(7A)<br>DC_5A_n260(8A)<br>DC_5A_n260(9A)<br>DC_5A_n260(10A)<br>DC_5A_n260(A-I)<br>DC_5A_n260(A-P-Q)<br>DC_5A_n260(3A-O-P)<br>DC_5A_n260(D-G)<br>DC_5A_n260(D-H)<br>DC_5A_n260(D-I)<br>DC_5A_n260(D-O)<br>DC_5A_n260(D-P)<br>DC_5A_n260(D-Q)<br>DC_5A_n260(E-O)<br>DC_5A_n260(E-P)<br>DC_5A_n260(E-Q)<br>DC_5A_n260(G-I)<br>DC_5A_n260(2G)<br>DC_5A_n260(2H)<br>DC_5A_n260(2O)<br>DC_5A_n260(3O)<br>DC_5A_n260(4O)<br>DC_5A_n260(2P)<br>DC_5A_n260(3P)<br>DC_5A_n260(4P)<br>DC_5A_n260(2A-O)<br>DC_5A_n260(A-2O)<br>DC_5A_n260(2A-G)<br>DC_5A_n260(A-2G)<br>DC_5A_n260(2A-2G)<br>DC_5A_n260(2G-O)<br>DC_5A_n260(2A-2G-O)<br>DC_5A_n260(A-2H)<br>DC_5A_n260(2A-H)<br>DC_5A_n260(2A-2H)<br>DC_5A_n260(2A-2O)<br>DC_5A_n260(2A-3O)<br>DC_5A_n260(A-4O)<br>DC_5A_n260(2A-4O)<br>DC_5A_n260(3A-2O)<br>DC_5A_n260(3A-2G)<br>DC_5A_n260(4A-G)<br>DC_5A_n260(4A-2G)<br>DC_5A_n260(4A-O)<br>DC_5A_n260(4A-2O)<br>DC_5A_n260(A-O)<br>DC_5A_n260(A-G)<br>DC_5A_n260(G-O)<br>DC_5A_n260(A-G-O)<br>DC_5A_n260(2A-G-O)<br>DC_5A_n260(A-2G-O)<br>DC_5A_n260(A-H)<br>DC_5A_n260(A-3O)<br>DC_5A_n260(3A-O)<br>DC_5A_n260(3A-G)<br>DC_5A_n260(2D)<br>DC_5A_n260(3G)<br>DC_5A_n260(4G)<br>DC_5A_n260(A-D)<br>DC_5A_n260(2A-D)<br>DC_5A_n260(A-D-O)<br>DC_5A_n260(2A-D-O)<br>DC_5A_n260(D-2O) | DC_5A_n260A<br>DC_5A_n260G<br>DC_5A_n260H<br>DC_5A_n260O<br>DC_5A_n260P<br>DC_5A_n260Q |

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| DC_5A_n260(A-D-2O)<br>DC_5A_n260(2A-D-2O)<br>DC_5A_n260(A-2D)<br>DC_5A_n260(2A-2D)<br>DC_5A_n260(A-P)<br>DC_5A_n260(2A-P)<br>DC_5A_n260(A-2P)<br>DC_5A_n260(2A-2P)<br>DC_5A_n260(3A-3O)<br>DC_5A_n260(D-2G)<br>DC_5A_n260(2D-O)<br>DC_5A_n260(G-2O)<br>DC_5A_n260(2G-2O)<br>DC_5A_n260(G-3O)<br>DC_5A_n260(2G-3O)<br>DC_5A_n260(G-4O)<br>DC_5A_n260(2G-4O)<br>DC_5A_n260(3G-O)<br>DC_5A_n260(4G-O)<br>DC_5A_n260(H-O)<br>DC_5A_n260(2H-O)<br>DC_5A_n260(A-Q)<br>DC_5A_n260(P-Q)<br>DC_5A_n260(2A-4P)<br>DC_5A_n260(2O-2P)<br>DC_5A_n260(3A-P)<br>DC_5A_n260(4A-4O)<br>DC_5A_n260(4A-2Q)<br>DC_5A_n260(6A-2O)<br>DC_5A_n260(6A-2P)<br>DC_5A_n260(6A-3O)<br>DC_5A_n260(8A-2O)<br>DC_5A_n260(2A-O-P)<br>DC_5A_n260(2A-2G-2O)<br>DC_5A_n260(2A-2O-2P)<br>DC_5A_n260(2A-2O-2Q)<br>DC_5A_n260(O-P)<br>DC_5A_n260(A-O-P)<br>DC_5A-5A_n260A | |
| DC_5A_n261A<br>DC_5A_n261B<br>DC_5A_n261C<br>DC_5A_n261D<br>DC_5A_n261E<br>DC_5A_n261F<br>DC_5A_n261G<br>DC_5A_n261H<br>DC_5A_n261I<br>DC_5A_n261J<br>DC_5A_n261K<br>DC_5A_n261L<br>DC_5A_n261M<br>DC_5A_n261O<br>DC_5A_n261P<br>DC_5A_n261Q | DC_5A_n261A<br>DC_5A_n261G<br>DC_5A_n261H<br>DC_5A_n261I |

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| DC_5A_n261(2A)<br>DC_5A_n261(2G)<br>DC_5A_n261(3A)<br>DC_5A_n261(4A)<br>DC_5A_n261(D-G)<br>DC_5A_n261(D-H)<br>DC_5A_n261(D-I)<br>DC_5A_n261(D-O)<br>DC_5A_n261(D-P)<br>DC_5A_n261(D-Q)<br>DC_5A_n261(E-O)<br>DC_5A_n261(E-P)<br>DC_5A_n261(E-Q)<br>DC_5A_n261(2H)<br>DC_5A_n261(2I)<br>DC_5A_n261(A-H)<br>DC_5A_n261(A-I)<br>DC_5A_n261(A-J)<br>DC_5A_n261(2A-H)<br>DC_5A_n261(A-K)<br>DC_5A_n261(A-L)<br>DC_5A_n261(A-D)<br>DC_5A_n261(A-D-H)<br>DC_5A_n261(A-D-2O)<br>DC_5A_n261(A-G)<br>DC_5A_n261(A-G-H)<br>DC_5A_n261(G-I)<br>DC_5A_n261(A-G-I)<br>DC_5A_n261(A-H-I)<br>DC_5A_n261(G-H)<br>DC_5A_n261(G-J)<br>DC_5A_n261(H-I)<br>DC_5A_n261(A-2D)<br>DC_5A_n261(A-2H)<br>DC_5A_n261(A-2P)<br>DC_5A_n261(A-2Q)<br>DC_5A_n261(A-2I)<br>DC_5A_n261(A-4G)<br>DC_5A_n261(A-4O)<br>DC_5A_n261(A-7O)<br>DC_5A_n261(A-2G-2O)<br>DC_5A_n261(A-3G-O)<br>DC_5A_n261(2A-G)<br>DC_5A_n261(2A-H)<br>DC_5A_n261(2A-I)<br>DC_5A_n261(3A-G) | DC_5A_n261A<br>DC_5A_n261G<br>DC_5A_n261H<br>DC_5A_n261I |
| DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257E<br>DC_7A_n257F<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I<br>DC_7A_n257J<br>DC_7A_n257K<br>DC_7A_n257L<br>DC_7A_n257M | DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_7A-7A_n257A<br>DC_7A-7A_n257D<br>DC_7A-7A_n257E<br>DC_7A-7A_n257F<br>DC_7A-7A_n257G<br>DC_7A-7A_n257H<br>DC_7A-7A_n257I<br>DC_7A-7A_n257J<br>DC_7A-7A_n257K<br>DC_7A-7A_n257L<br>DC_7A-7A_n257M | DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |

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| DC_7A_n258A<br>DC_7A_n258B<br>DC_7A_n258C<br>DC_7A_n258D<br>DC_7A_n258E<br>DC_7A_n258F<br>DC_7A_n258G<br>DC_7A_n258H<br>DC_7A_n258I<br>DC_7A_n258J<br>DC_7A_n258K<br>DC_7A_n258L<br>DC_7A_n258M<br>DC_7C_n258A<br>DC_7C_n258B<br>DC_7C_n258C<br>DC_7C_n258D<br>DC_7C_n258E<br>DC_7C_n258F<br>DC_7C_n258G<br>DC_7C_n258H<br>DC_7C_n258I<br>DC_7C_n258J<br>DC_7C_n258K<br>DC_7C_n258L<br>DC_7C_n258M | DC_7A_n258A<br>DC_7A_n258B<br>DC_7A_n258C<br>DC_7A_n258D<br>DC_7A_n258E<br>DC_7A_n258F<br>DC_7A_n258G<br>DC_7A_n258H<br>DC_7A_n258I<br>DC_7A_n258J<br>DC_7A_n258K<br>DC_7A_n258L<br>DC_7A_n258M<br>DC_7C_n258A<br>DC_7C_n258B<br>DC_7C_n258C<br>DC_7C_n258D<br>DC_7C_n258E<br>DC_7C_n258F<br>DC_7C_n258G<br>DC_7C_n258H<br>DC_7C_n258I<br>DC_7C_n258J<br>DC_7C_n258K<br>DC_7C_n258L<br>DC_7C_n258M |
| DC_8A_n257A<br>DC_8A_n257D<br>DC_8A_n257E<br>DC_8A_n257F<br>DC_8A_n257G<br>DC_8A_n257H<br>DC_8A_n257I<br>DC_8A_n257J<br>DC_8A_n257K<br>DC_8A_n257L<br>DC_8A_n257M | DC_8A_n257A<br>DC_8A_n257D<br>DC_8A_n257G<br>DC_8A_n257H<br>DC_8A_n257I |
| DC_8A_n258A<br>DC_8A_n258D<br>DC_8A_n258E<br>DC_8A_n258F<br>DC_8A_n258G<br>DC_8A_n258H<br>DC_8A_n258I<br>DC_8A_n258J<br>DC_8A_n258K<br>DC_8A_n258L<br>DC_8A_n258M | DC_8A_n258A |
| DC_11A_n257A<br>DC_11A_n257D<br>DC_11A_n257G<br>DC_11A_n257H<br>DC_11A_n257I | DC_11A_n257A<br>DC_11A_n257D<br>DC_11A_n257G<br>DC_11A_n257H<br>DC_11A_n257I |
| DC_12A_n257A | DC_12A_n257A |
| DC_12A_n258A | DC_12A_n258A |
| DC_12A_n260A<br>DC_12A_n260G<br>DC_12A_n260H<br>DC_12A_n260I<br>DC_12A_n260J<br>DC_12A_n260K<br>DC_12A_n260L<br>DC_12A_n260M | DC_12A_n260A |
| DC_12A_n260(A-I)<br>DC_12A_n260(G-I) | DC_12A_n260A |
| DC_12A_n261A | DC_12A_n261A |
| DC_13A_n257A | DC_13A_n257A |

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|---|---|
| DC_13A_n260A<br>DC_13A_n260G<br>DC_13A_n260H<br>DC_13A_n260I<br>DC_13A_n260J<br>DC_13A_n260K<br>DC_13A_n260L<br>DC_13A_n260M<br>DC_13A_n260O<br>DC_13A_n260P<br>DC_13A_n260Q | DC_13A_n260A<br>DC_13A_n260G<br>DC_13A_n260H<br>DC_13A_n260I<br>DC_13A_n260O<br>DC_13A_n260P<br>DC_13A_n260Q |
| DC_13A_n260(2A)<br>DC_13A_n260(3A)<br>DC_13A_n260(4A)<br>DC_13A_n260(5A)<br>DC_13A_n260(6A)<br>DC_13A_n260(7A)<br>DC_13A_n260(8A)<br>DC_13A_n260(2D)<br>DC_13A_n260(2G)<br>DC_13A_n260(3G)<br>DC_13A_n260(4G)<br>DC_13A_n260(2H)<br>DC_13A_n260(2O)<br>DC_13A_n260(3O)<br>DC_13A_n260(4O)<br>DC_13A_n260(A-G)<br>DC_13A_n260(A-2G)<br>DC_13A_n260(A-P)<br>DC_13A_n260(A-Q)<br>DC_13A_n260(2A-G)<br>DC_13A_n260(2A-H)<br>DC_13A_n260(2A-2G)<br>DC_13A_n260(2A-2H)<br>DC_13A_n260(3A-G)<br>DC_13A_n260(3A-O)<br>DC_13A_n260(3A-P)<br>DC_13A_n260(3A-2O)<br>DC_13A_n260(4A-O)<br>DC_13A_n260(4A-2O)<br>DC_13A_n260(P-Q)<br>DC_13A_n260(A-P-Q)<br>DC_13A_n260(2A-O-P)<br>DC_13A_n260(3A-O-P)<br>DC_13A_n260(A-H)<br>DC_13A_n260(A-2H)<br>DC_13A_n260(2A-O)<br>DC_13A_n260(A-O)<br>DC_13A_n260(2A-P)<br>DC_13A_n260(A-O-P)<br>DC_13A_n260(O-P)<br>DC_13A_n260(2A-2O)<br>DC_13A_n260(A-2O)<br>DC_13A_n260(G-H) | DC_13A_n260A<br>DC_13A_n260G<br>DC_13A_n260H<br>DC_13A_n260O<br>DC_13A_n260P<br>DC_13A_n260Q |
| DC_13A_n261A<br>DC_13A_n261G<br>DC_13A_n261H<br>DC_13A_n261J<br>DC_13A_n261K<br>DC_13A_n261I<br>DC_13A_n261L<br>DC_13A_n261M | DC_13A_n261A<br>DC_13A_n261G<br>DC_13A_n261H<br>DC_13A_n261I |

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| DC_13A_n261(2A)<br>DC_13A_n261(2G)<br>DC_13A_n261(3A)<br>DC_13A_n261(4A)<br>DC_13A_n261(2H)<br>DC_13A_n261(2I)<br>DC_13A_n261(A-G)<br>DC_13A_n261(A-K)<br>DC_13A_n261(A-L)<br>DC_13A_n261(A-2G)<br>DC_13A_n261(A-H)<br>DC_13A_n261(A-I)<br>DC_13A_n261(A-J)<br>DC_13A_n261(2A-G)<br>DC_13A_n261(2A-H)<br>DC_13A_n261(2A-I)<br>DC_13A_n261(3A-G)<br>DC_13A_n261(G-H)<br>DC_13A_n261(G-I)<br>DC_13A_n261(G-J)<br>DC_13A_n261(H-I)<br>DC_13A_n261(A-G-H)<br>DC_13A_n261(A-G-I) | DC_13A_n261A<br>DC_13A_n261G<br>DC_13A_n261H<br>DC_13A_n261I |
| DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M | DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M |
| DC_18A_n257A<br>DC_18A_n257D<br>DC_18A_n257E<br>DC_18A_n257F<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_18A_n257J<br>DC_18A_n257K<br>DC_18A_n257L<br>DC_18A_n257M | DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_19A_n257A<br>DC_19A_n257D<br>DC_19A_n257E<br>DC_19A_n257F<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_19A_n257J<br>DC_19A_n257K<br>DC_19A_n257L<br>DC_19A_n257M | DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_19A_n257J<br>DC_19A_n257K<br>DC_19A_n257L<br>DC_19A_n257M |
| DC_20A_n258A | DC_20A_n258A |
| DC_21A_n257A<br>DC_21A_n257D<br>DC_21A_n257E<br>DC_21A_n257F<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n257J<br>DC_21A_n257K<br>DC_21A_n257L<br>DC_21A_n257M | DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n257J<br>DC_21A_n257K<br>DC_21A_n257L<br>DC_21A_n257M |
| DC_26A_n257A | DC_26A_n257A |

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| DC_28A_n257A<br>DC_28A_n257D<br>DC_28A_n257E<br>DC_28A_n257F<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_28A_n257J<br>DC_28A_n257K<br>DC_28A_n257L<br>DC_28A_n257M | DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_28A_n257J<br>DC_28A_n257K<br>DC_28A_n257L<br>DC_28A_n257M |
| DC_28A_n258A<br>DC_28A_n258B<br>DC_28A_n258C<br>DC_28A_n258D<br>DC_28A_n258E<br>DC_28A_n258F<br>DC_28A_n258G<br>DC_28A_n258H<br>DC_28A_n258I<br>DC_28A_n258J<br>DC_28A_n258K<br>DC_28A_n258L<br>DC_28A_n258M | DC_28A_n258A |
| DC_30A_n260A<br>DC_30A_n260G<br>DC_30A_n260H<br>DC_30A_n260I<br>DC_30A_n260J<br>DC_30A_n260K<br>DC_30A_n260L<br>DC_30A_n260M | DC_30A_n260A |
| DC_30A_n260(A-I)<br>DC_30A_n260(G-I) | DC_30A_n260A |
| DC_39A_n257A<br>DC_39A_n257D<br>DC_39A_n257E<br>DC_39A_n257F<br>DC_39A_n257G<br>DC_39A_n257H<br>DC_39A_n257I<br>DC_39A_n257J<br>DC_39A_n257K<br>DC_39A_n257L<br>DC_39A_n257M | DC_39A_n257A |
| DC_39A_n258A | DC_39A_n258A |
| DC_41A_n257A<br>DC_41A_n257D<br>DC_41A_n257E<br>DC_41A_n257F<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41A_n257J<br>DC_41A_n257K<br>DC_41A_n257L<br>DC_41A_n257M<br>DC_41C_n257A<br>DC_41C_n257D<br>DC_41C_n257E<br>DC_41C_n257F<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_41C_n257J<br>DC_41C_n257K<br>DC_41C_n257L<br>DC_41C_n257M | DC_41A_n257A<br>DC_41A_n257D<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257D<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |

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|---|---|
| DC_41A_n258A<br>DC_41A_n258B<br>DC_41A_n258C<br>DC_41A_n258D<br>DC_41A_n258E<br>DC_41A_n258F<br>DC_41A_n258G<br>DC_41A_n258H<br>DC_41A_n258I<br>DC_41A_n258J<br>DC_41A_n258K<br>DC_41A_n258L<br>DC_41A_n258M | DC_41A_n258A<br>DC_41A_n258B<br>DC_41A_n258C<br>DC_41A_n258D<br>DC_41A_n258E<br>DC_41A_n258F<br>DC_41A_n258G<br>DC_41A_n258H<br>DC_41A_n258I<br>DC_41A_n258J<br>DC_41A_n258K<br>DC_41A_n258L<br>DC_41A_n258M |
| DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257E<br>DC_42A_n257F<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42A_n257J<br>DC_42A_n257K<br>DC_42A_n257L<br>DC_42A_n257M<br>DC_42C_n257A<br>DC_42C_n257D<br>DC_42C_n257E<br>DC_42C_n257F<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I<br>DC_42C_n257J<br>DC_42C_n257K<br>DC_42C_n257L<br>DC_42C_n257M<br>DC_42D_n257A<br>DC_42D_n257D<br>DC_42D_n257E<br>DC_42D_n257F<br>DC_42D_n257G<br>DC_42D_n257H<br>DC_42D_n257I<br>DC_42D_n257J<br>DC_42D_n257K<br>DC_42D_n257L<br>DC_42D_n257M<br>DC_42E_n257A<br>DC_42E_n257D<br>DC_42E_n257E<br>DC_42E_n257F<br>DC_42E_n257G<br>DC_42E_n257H<br>DC_42E_n257I<br>DC_42E_n257J<br>DC_42E_n257K<br>DC_42E_n257L<br>DC_42E_n257M | DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257E<br>DC_42A_n257F<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42A_n257J<br>DC_42A_n257K<br>DC_42A_n257L<br>DC_42A_n257M<br>DC_42C_n257A<br>DC_42C_n257D<br>DC_42C_n257E<br>DC_42C_n257F<br>DC_42D_n257A<br>DC_42D_n257D<br>DC_42D_n257E<br>DC_42D_n257F<br>DC_42E_n257A<br>DC_42E_n257D<br>DC_42E_n257E<br>DC_42E_n257F |
| DC_48A_n257A<br>DC_48C_n257A | DC_48A_n257A<br>DC_48C_n257A |
| DC_48A-48A_n257A | DC_48A_n257A |

| | |
|---|---|
| DC_48A_n260A<br>DC_48A_n260G<br>DC_48A_n260H<br>DC_48A_n260I<br>DC_48A_n260J<br>DC_48A_n260K<br>DC_48A_n260L<br>DC_48A_n260M<br>DC_48C_n260A<br>DC_48D_n260A<br>DC_48A_n260(2A)<br>DC_48C_n260(2A)<br>DC_48D_n260(2A)<br>DC_48A_n260(3A)<br>DC_48C_n260(3A)<br>DC_48D_n260(3A)<br>DC_48A_n260(4A)<br>DC_48C_n260(4A)<br>DC_48D_n260(4A) | DC_48A_n260A<br>DC_48A_n260G<br>DC_48A_n260H<br>DC_48A_n260IDC_48C_n260A |
| DC_48A-48A_n260A | DC_48A_n260A |
| DC_48A_n261A<br>DC_48A_n261G<br>DC_48A_n261H<br>DC_48A_n261I<br>DC_48A_n261J<br>DC_48A_n261K<br>DC_48A_n261L<br>DC_48A_n261M<br>DC_48D_n261A<br>DC_48A_n261(A-G)<br>DC_48A_n261(A-G-H)<br>DC_48A_n261(A-G-I)<br>DC_48A_n261(A-H)<br>DC_48A_n261(A-I)<br>DC_48A_n261(A-J)<br>DC_48A_n261(A-K)<br>DC_48A_n261(A-L)<br>DC_48A_n261(G-H)<br>DC_48A_n261(G-I)<br>DC_48A_n261(G-J)<br>DC_48A_n261(H-I)<br>DC_48A_n261(2A)<br>DC_48C_n261(2A)<br>DC_48D_n261(2A)<br>DC_48A_n261(3A)<br>DC_48A_n261(2A-G)<br>DC_48A_n261(2A-H)<br>DC_48A_n261(2A-I)<br>DC_48A_n261(2G)<br>DC_48A_n261(2H)<br>DC_48A_n261(4A)<br>DC_48A_n261(3A-G) | DC_48A_n261A<br>DC_48A_n261G<br>DC_48A_n261H<br>DC_48A_n261I<br>DC_48C_n261A |
| DC_66A_n257A<br>DC_66A_n257G<br>DC_66A_n257H<br>DC_66A_n257I<br>DC_66A_n257J<br>DC_66A_n257K<br>DC_66A_n257L<br>DC_66A_n257M<br>DC_66C_n257A | DC_66A_n257A |
| DC_66A_n257(2A)<br>DC_66A-66A_n257A | DC_66A_n257A |
| DC_66A_n258A | DC_66A_n258A |
| DC_66A_n258(2A)<br>DC_66A_n258(3A)<br>DC_66A_n258(4A)<br>DC_66A_n258(5A) | DC_66A_n258A |

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|---|---|
| DC_66A_n260A<br>DC_66A_n260D<br>DC_66A_n260E<br>DC_66A_n260F<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M<br>DC_66A_n260O<br>DC_66A_n260P<br>DC_66A_n260Q | DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260O<br>DC_66A_n260P<br>DC_66A_n260Q |

| | |
|---|---|
| DC_66A_n260(2A)<br>DC_66A_n260(3A)<br>DC_66A_n260(4A)<br>DC_66A_n260(5A)<br>DC_66A_n260(6A)<br>DC_66A_n260(7A)<br>DC_66A_n260(8A)<br>DC_66A_n260(9A)<br>DC_66A_n260(10A)<br>DC_66A_n260(A-I)<br>DC_66A_n260(D-G)<br>DC_66A_n260(D-H)<br>DC_66A_n260(D-I)<br>DC_66A_n260(D-O)<br>DC_66A_n260(D-P)<br>DC_66A_n260(D-Q)<br>DC_66A_n260(E-O)<br>DC_66A_n260(E-P)<br>DC_66A_n260(E-Q)<br>DC_66A_n260(G-I)<br>DC_66A_n260(2G)<br>DC_66A_n260(2H)<br>DC_66A_n260(2O)<br>DC_66A_n260(3O)<br>DC_66A_n260(4O)<br>DC_66A_n260(2P)<br>DC_66A_n260(3P)<br>DC_66A_n260(4P)<br>DC_66A_n260(2A-O)<br>DC_66A_n260(A-2O)<br>DC_66A_n260(2A-G)<br>DC_66A_n260(A-2G)<br>DC_66A_n260(2A-2G)<br>DC_66A_n260(2G-O)<br>DC_66A_n260(2A-2G-O)<br>DC_66A_n260(A-2H)<br>DC_66A_n260(2A-H)<br>DC_66A_n260(2A-2H)<br>DC_66A_n260(2A-2O)<br>DC_66A_n260(2A-3O)<br>DC_66A_n260(A-4O)<br>DC_66A_n260(2A-4O)<br>DC_66A_n260(3A-2O)<br>DC_66A_n260(3A-2G)<br>DC_66A_n260(4A-G)<br>DC_66A_n260(4A-2G)<br>DC_66A_n260(4A-O)<br>DC_66A_n260(4A-2O)<br>DC_66A_n260(A-O)<br>DC_66A_n260(A-G)<br>DC_66A_n260(G-O)<br>DC_66A_n260(A-G-O)<br>DC_66A_n260(2A-G-O)<br>DC_66A_n260(A-2G-O)<br>DC_66A_n260(A-H)<br>DC_66A_n260(A-3O)<br>DC_66A_n260(3A-O)<br>DC_66A_n260(3A-O-P)<br>DC_66A_n260(3A-P)<br>DC_66A_n260(3A-G)<br>DC_66A_n260(2D)<br>DC_66A_n260(3G)<br>DC_66A_n260(4G)<br>DC_66A_n260(A-D)<br>DC_66A_n260(2A-D)<br>DC_66A_n260(A-D-O)<br>DC_66A_n260(2A-D-O)<br>DC_66A_n260(D-2O) | DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260O<br>DC_66A_n260P<br>DC_66A_n260Q |

| | |
|---|---|
| DC_66A_n260(A-D-2O)<br>DC_66A_n260(2A-D-2O)<br>DC_66A_n260(2A-O-P)<br>DC_66A_n260(A-2D)<br>DC_66A_n260(2A-2D)<br>DC_66A_n260(A-P)<br>DC_66A_n260(A-P-Q)<br>DC_66A_n260(2A-P)<br>DC_66A_n260(A-2P)<br>DC_66A_n260(2A-2P)<br>DC_66A_n260(3A-3O)<br>DC_66A_n260(D-2G)<br>DC_66A_n260(2D-O)<br>DC_66A_n260(G-H)<br>DC_66A_n260(G-2O)<br>DC_66A_n260(2G-2O)<br>DC_66A_n260(G-3O)<br>DC_66A_n260(2G-3O)<br>DC_66A_n260(G-4O)<br>DC_66A_n260(2G-4O)<br>DC_66A_n260(3G-O)<br>DC_66A_n260(4G-O)<br>DC_66A_n260(H-O)<br>DC_66A_n260(2H-O)<br>DC_66A_n260(2A-2G-2O)<br>DC_66A_n260(6A-2O)<br>DC_66A_n260(8A-2O)<br>DC_66A_n260(2A-2O-2P)<br>DC_66A_n260(6A-3O)<br>DC_66A_n260(4A-4O)<br>DC_66A_n260(6A-2P)<br>DC_66A_n260(2O-2P)<br>DC_66A_n260(2A-4P)<br>DC_66A_n260(2A-2Q-2O)<br>DC_66A_n260(4A-2Q)<br>DC_66A_n260(2A-2O-2Q)<br>DC_66A_n260(A-Q)<br>DC_66A_n260(P-Q)<br>DC_66A-66A_n260A<br>DC_66A-66A_n260G<br>DC_66A-66A_n260H<br>DC_66A-66A_n260I<br>DC_66A-66A_n260J<br>DC_66A-66A_n260K<br>DC_66A-66A_n260L<br>DC_66A-66A_n260M<br>DC_66A_n260(A-O-P)<br>DC_66A_n260(O-P)<br>DC_66A-66A_n260(2A)<br>DC_66A-66A_n260(2G)<br>DC_66A-66A_n260(2H)<br>DC_66A-66A_n260(3A)<br>DC_66A-66A_n260(4A)<br>DC_66A-66A_n260(5A)<br>DC_66A-66A_n260(6A)<br>DC_66A-66A_n260(A-G)<br>DC_66A-66A_n260(A-H)<br>DC_66A-66A_n260(A-2G)<br>DC_66A-66A_n260(G-H)<br>DC_66A-66A_n260(2A-G)<br>DC_66A-66A_n260(2A-2G)<br>DC_66A-66A_n260(3A-G) | |

| | |
|---|---|
| DC_66A_n261A<br>DC_66A_n261D<br>DC_66A_n261E<br>DC_66A_n261F<br>DC_66A_n261G<br>DC_66A_n261H<br>DC_66A_n261I<br>DC_66A_n261J<br>DC_66A_n261K<br>DC_66A_n261L<br>DC_66A_n261M<br>DC_66A_n261O<br>DC_66A_n261P<br>DC_66A_n261Q | DC_66A_n261A<br>DC_66A_n261G<br>DC_66A_n261H<br>DC_66A_n261I |
| DC_66A_n261(2A)<br>DC_66A_n261(3A)<br>DC_66A_n261(4A)<br>DC_66A_n261(2G)<br>DC_66A_n261(D-G)<br>DC_66A_n261(D-H)<br>DC_66A_n261(D-I)<br>DC_66A_n261(D-O)<br>DC_66A_n261(D-P)<br>DC_66A_n261(D-Q)<br>DC_66A_n261(E-O)<br>DC_66A_n261(E-P)<br>DC_66A_n261(E-Q)<br>DC_66A_n261(2H)<br>DC_66A_n261(2I)<br>DC_66A_n261(A-H)<br>DC_66A_n261(A-I)<br>DC_66A_n261(A-J)<br>DC_66A_n261(A-K)<br>DC_66A_n261(A-L)<br>DC_66A_n261(A-D)<br>DC_66A_n261(A-D-H)<br>DC_66A_n261(A-G)<br>DC_66A_n261(A-G-H)<br>DC_66A_n261(G-I)<br>DC_66A_n261(G-J)<br>DC_66A_n261(A-G-I)<br>DC_66A_n261(A-H-I)<br>DC_66A_n261(G-H)<br>DC_66A_n261(H-I)<br>DC_66A_n261(A-D-2O)<br>DC_66A_n261(A-2D)<br>DC_66A_n261(A-2G)<br>DC_66A_n261(A-2G-2O)<br>DC_66A_n261(A-3G-O)<br>DC_66A_n261(A-4G)<br>DC_66A_n261(A-2H)<br>DC_66A_n261(A-2I)<br>DC_66A_n261(A-4O)<br>DC_66A_n261(A-7O)<br>DC_66A_n261(A-2P)<br>DC_66A_n261(A-2Q)<br>DC_66A_n261(2A-G)<br>DC_66A_n261(2A-H)<br>DC_66A_n261(2A-I)<br>DC_66A_n261(3A-G) | DC_66A_n261A<br>DC_66A_n261G<br>DC_66A_n261H<br>DC_66A_n261I |

| | |
|---|---|
| DC_66A-66A_n261A<br>DC_66A-66A_n261G<br>DC_66A-66A_n261H<br>DC_66A-66A_n261I<br>DC_66A-66A_n261J<br>DC_66A-66A_n261K<br>DC_66A-66A_n261L<br>DC_66A-66A_n261M<br>DC_66A-66A_n261(2A)<br>DC_66A-66A_n261(2G)<br>DC_66A-66A_n261(3A)<br>DC_66A-66A_n261(4A)<br>DC_66A-66A_n261(A-G)<br>DC_66A-66A_n261(A-G-H)<br>DC_66A-66A_n261(A-G-I)<br>DC_66A-66A_n261(A-2G)<br>DC_66A-66A_n261(A-H)<br>DC_66A-66A_n261(A-I)<br>DC_66A-66A_n261(A-J)<br>DC_66A-66A_n261(A-K)<br>DC_66A-66A_n261(A-L)<br>DC_66A-66A_n261(G-H)<br>DC_66A-66A_n261(G-I)<br>DC_66A-66A_n261(G-J)<br>DC_66A-66A_n261(H-I)<br>DC_66A-66A_n261(2H)<br>DC_66A-66A_n261(2A-G)<br>DC_66A-66A_n261(2A-H)<br>DC_66A-66A_n261(2A-I)<br>DC_66A-66A_n261(3A-G) | DC_66A_n261A<br>DC_66A_n261G<br>DC_66A_n261H<br>DC_66A_n261I |
| DC_71A_n257A | DC_71A_n257A |
| DC_71A_n258A | DC_71A_n258A |
| DC_71A_n260A | DC_71A_n260A |
| DC_71A_n261A | DC_71A_n261A |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.<br>NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability for all of the above combinations | |

### 5.5B.5.2 Inter-band EN-DC configurations including FR2 (three bands)

**Table 5.5B.5.2-1: Inter-band EN-DC configurations including FR2 (three bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A_n257A[2]<br>DC_1A-3A_n257D[2]<br>DC_1A-3A_n257E[2]<br>DC_1A-3A_n257F[2]<br>DC_1A-3A_n257G<br>DC_1A-3A_n257H<br>DC_1A-3A_n257I<br>DC_1A-3A_n257J<br>DC_1A-3A_n257K<br>DC_1A-3A_n257L<br>DC_1A-3A_n257M<br>DC_1A-3C_n257A<br>DC_1A-3C_n257D<br>DC_1A-3C_n257E<br>DC_1A-3C_n257F<br>DC_1A-3C_n257G<br>DC_1A-3C_n257H<br>DC_1A-3C_n257I<br>DC_1A-3C_n257J<br>DC_1A-3C_n257K<br>DC_1A-3C_n257L<br>DC_1A-3C_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M |
| DC_1A-5A_n257A[2]<br>DC_1A-5A_n257D<br>DC_1A-5A_n257E<br>DC_1A-5A_n257F<br>DC_1A-5A_n257G<br>DC_1A-5A_n257H<br>DC_1A-5A_n257I<br>DC_1A-5A_n257J<br>DC_1A-5A_n257K<br>DC_1A-5A_n257L<br>DC_1A-5A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I |
| DC_1A-7A_n257A[2]<br>DC_1A-7A_n257D<br>DC_1A-7A_n257E<br>DC_1A-7A_n257F<br>DC_1A-7A_n257G<br>DC_1A-7A_n257H<br>DC_1A-7A_n257I<br>DC_1A-7A_n257J<br>DC_1A-7A_n257K<br>DC_1A-7A_n257L<br>DC_1A-7A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_1A-7A-7A_n257A[2]<br>DC_1A-7A-7A_n257D<br>DC_1A-7A-7A_n257E<br>DC_1A-7A-7A_n257F<br>DC_1A-7A-7A_n257G<br>DC_1A-7A-7A_n257H<br>DC_1A-7A-7A_n257I<br>DC_1A-7A-7A_n257J<br>DC_1A-7A-7A_n257K<br>DC_1A-7A-7A_n257L<br>DC_1A-7A-7A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I<br>DC_7A-7A_n257 |
| DC_1A-8A_n257A[2]<br>DC_1A-8A_n257D<br>DC_1A-8A_n257E<br>DC_1A-8A_n257F<br>DC_1A-8A_n257G<br>DC_1A-8A_n257H<br>DC_1A-8A_n257I<br>DC_1A-8A_n257J<br>DC_1A-8A_n257K<br>DC_1A-8A_n257L<br>DC_1A-8A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_8A_n257A<br>DC_8A_n257D<br>DC_8A_n257G<br>DC_8A_n257H<br>DC_8A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-11A_n257A<br>DC_1A-11A_n257D<br>DC_1A-11A_n257G<br>DC_1A-11A_n257H<br>DC_1A-11A_n257I | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A-n257G<br>DC_1A-n257H<br>DC_1A-n257I<br>DC_11A_n257A<br>DC_11A_n257D<br>DC_11A-n257G<br>DC_11A-n257H<br>DC_11A-n257I |
| DC_1A-18A_n257A[2]<br>DC_1A-18A_n257D<br>DC_1A-18A_n257E<br>DC_1A-18A_n257F<br>DC_1A-18A_n257G<br>DC_1A-18A_n257H<br>DC_1A-18A_n257I<br>DC_1A-18A_n257J<br>DC_1A-18A_n257K<br>DC_1A-18A_n257L<br>DC_1A-18A_n257M | DC_1A-n257A<br>DC_1A-n257G<br>DC_1A-n257H<br>DC_1A-n257I<br>DC_18A_n257A<br>DC_18A-n257G<br>DC_18A-n257H<br>DC_18A-n257I |
| DC_1A-19A_n257A[2]<br>DC_1A-19A_n257D[2]<br>DC_1A-19A_n257E[2]<br>DC_1A-19A_n257F[2]<br>DC_1A-19A_n257G<br>DC_1A-19A_n257H<br>DC_1A-19A_n257I<br>DC_1A-19A_n257J<br>DC_1A-19A_n257K<br>DC_1A-19A_n257L<br>DC_1A-19A_n257M | DC_1A_n257A<br>DC_1A-257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M<br>DC_19A_n257A<br>DC_19A_n257D<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |
| DC_1A-21A_n257A[2]<br>DC_1A-21A_n257D[2]<br>DC_1A-21A_n257E[2]<br>DC_1A-21A_n257F[2]<br>DC_1A-21A_n257G<br>DC_1A-21A_n257H<br>DC_1A-21A_n257I<br>DC_1A-21A_n257J<br>DC_1A-21A_n257K<br>DC_1A-21A_n257L<br>DC_1A-21A_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n257J<br>DC_21A_n257K<br>DC_21A_n257L<br>DC_21A_n257M |
| DC_1A-28A_n257A[2]<br>DC_1A-28A_n257D[2]<br>DC_1A-28A_n257E[2]<br>DC_1A-28A_n257F[2]<br>DC_1A-28A_n257G[2]<br>DC_1A-28A_n257H[2]<br>DC_1A-28A_n257I[2] | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_28A_n257A<br>DC_28A_n257D<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-41A_n257A<br>DC_1A-41A_n257D<br>DC_1A-41A_n257E<br>DC_1A-41A_n257F<br>DC_1A-41A_n257G<br>DC_1A-41A_n257H<br>DC_1A-41A_n257I<br>DC_1A-41A_n257J<br>DC_1A-41A_n257K<br>DC_1A-41A_n257L<br>DC_1A-41A_n257M<br>DC_1A-41C_n257A<br>DC_1A-41C_n257D<br>DC_1A-41C_n257E<br>DC_1A-41C_n257F<br>DC_1A-41C_n257G<br>DC_1A-41C_n257H<br>DC_1A-41C_n257I<br>DC_1A-41C_n257J<br>DC_1A-41C_n257K<br>DC_1A-41C_n257L<br>DC_1A-41C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_1A-42A_n257A<br>DC_1A-42A_n257D<br>DC_1A-42A_n257E<br>DC_1A-42A_n257F<br>DC_1A-42A_n257G<br>DC_1A-42A_n257H<br>DC_1A-42A_n257I<br>DC_1A-42A_n257J<br>DC_1A-42A_n257K<br>DC_1A-42A_n257L<br>DC_1A-42A_n257M<br>DC_1A-42C_n257A<br>DC_1A-42C_n257D<br>DC_1A-42C_n257E<br>DC_1A-42C_n257F<br>DC_1A-42C_n257G<br>DC_1A-42C_n257H<br>DC_1A-42C_n257I<br>DC_1A-42C_n257J<br>DC_1A-42C_n257K<br>DC_1A-42C_n257L<br>DC_1A-42C_n257M<br>DC_1A-42D_n257A<br>DC_1A-42D_n257D<br>DC_1A-42D_n257E<br>DC_1A-42D_n257F<br>DC_1A-42D_n257G<br>DC_1A-42D_n257H<br>DC_1A-42D_n257I<br>DC_1A-42D_n257J<br>DC_1A-42D_n257K<br>DC_1A-42D_n257L<br>DC_1A-42D_n257M<br>DC_1A-42E_n257A<br>DC_1A-42E_n257D<br>DC_1A-42E_n257E<br>DC_1A-42E_n257F<br>DC_1A-42E_n257G<br>DC_1A-42E_n257H<br>DC_1A-42E_n257I<br>DC_1A-42E_n257J<br>DC_1A-42E_n257K<br>DC_1A-42E_n257L<br>DC_1A-42E_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M<br>DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-5A_n257A[2] | DC_2A_n257A<br>DC_5A_n257A |
| DC_2A-5A_n260A<br>DC_2A-5A_n260G<br>DC_2A-5A_n260H<br>DC_2A-5A_n260I<br>DC_2A-5A_n260J<br>DC_2A-5A_n260K<br>DC_2A-5A_n260L<br>DC_2A-5A_n260M<br>DC_2A-2A-5A_n260A<br>DC_2A-2A-5A_n260G<br>DC_2A-2A-5A_n260H<br>DC_2A-2A-5A_n260I<br>DC_2A-2A-5A_n260J<br>DC_2A-2A-5A_n260K<br>DC_2A-2A-5A_n260L<br>DC_2A-2A-5A_n260M | DC_2A_n260A<br>DC_5A_n260A |
| DC_2A-5A_n260I<br>DC_2A-5A_n260J<br>DC_2A-5A_n260K<br>DC_2A-5A_n260L<br>DC_2A-5A_n260M | DC_2A_n260G<br>DC_5A_n260G |
| DC_2A-5A_n260I<br>DC_2A-5A_n260J<br>DC_2A-5A_n260K<br>DC_2A-5A_n260L<br>DC_2A-5A_n260M | DC_2A_n260H<br>DC_5A_n260H |
| DC_2A-5A_n260I<br>DC_2A-5A_n260J<br>DC_2A-5A_n260K<br>DC_2A-5A_n260L<br>DC_2A-5A_n260M | DC_2A_n260I<br>DC_5A_n260I |
| DC_2A-5A_n261A<br>DC_2A-5A_n261I<br>DC_2A-5A_n261J<br>DC_2A-5A_n261K<br>DC_2A-5A_n261L<br>DC_2A-5A_n261M | DC_2A_n261A<br>DC_5A_n261A |
| DC_2A-5A_n261(A-G)<br>DC_2A-5A_n261(A-H)<br>DC_2A-5A_n261(A-J)<br>DC_2A-5A_n261(A-K)<br>DC_2A-5A_n261(2A-G)<br>DC_2A-5A_n261(A-L)<br>DC_2A-5A_n261(2A-H)<br>DC_2A-5A_n261(2A-I)<br>DC_2A-5A_n261(A-G-H)<br>DC_2A-5A_n261(A-G-I)<br>DC_2A-5A_n261(3A-G)<br>DC_2A-5A_n261(G-H)<br>DC_2A-5A_n261(G-I)<br>DC_2A-5A_n261(G-J)<br>DC_2A-5A_n261(2G)<br>DC_2A-5A_n261(2H)<br>DC_2A-5A_n261(H-I) | DC_2A_n261A<br>DC_5A_n261A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-5A_n261I<br>DC_2A-5A_n261J<br>DC_2A-5A_n261K<br>DC_2A-5A_n261L<br>DC_2A-5A_n261M<br>DC_2A-5A_n261(A-G)<br>DC_2A-5A_n261(A-H)<br>DC_2A-5A_n261(A-J)<br>DC_2A-5A_n261(A-L)<br>DC_2A-5A_n261(2A-G)<br>DC_2A-5A_n261(2A-H)<br>DC_2A-5A_n261(A-G-H)<br>DC_2A-5A_n261(A-G-I)<br>DC_2A-5A_n261(3A-G)<br>DC_2A-5A_n261(2G)<br>DC_2A-5A_n261(G-H)<br>DC_2A-5A_n261(G-I)<br>DC_2A-5A_n261(2H)<br>DC_2A-5A_n261(H-I) | DC_2A_n261G<br>DC_5A_n261G |
| DC_2A-5A_n261I<br>DC_2A-5A_n261J<br>DC_2A-5A_n261K<br>DC_2A-5A_n261L<br>DC_2A-5A_n261M<br>DC_2A-5A_n261(A-J)<br>DC_2A-5A_n261(A-L)<br>DC_2A-5A_n261(2A-H)<br>DC_2A-5A_n261(A-G-H)<br>DC_2A-5A_n261(A-G-I)<br>DC_2A-5A_n261(G-H)<br>DC_2A-5A_n261(G-I)<br>DC_2A-5A_n261(2H)<br>DC_2A-5A_n261(H-I) | DC_2A_n261H<br>DC_5A_n261H |
| DC_2A-5A_n261I<br>DC_2A-5A_n261J<br>DC_2A-5A_n261K<br>DC_2A-5A_n261L<br>DC_2A-5A_n261M<br>DC_2A-5A_n261(A-J)<br>DC_2A-5A_n261(A-K)<br>DC_2A-5A_n261(A-L)<br>DC_2A-5A_n261(2A-I)<br>DC_2A-5A_n261(A-G-I)<br>DC_2A-5A_n261(G-I)<br>DC_2A-5A_n261(G-J)<br>DC_2A-5A_n261(H-I) | DC_2A_n261I<br>DC_5A_n261I |
| DC_2A-12A_n260A<br>DC_2A-12A_n260G<br>DC_2A-12A_n260H<br>DC_2A-12A_n260I<br>DC_2A-12A_n260J<br>DC_2A-12A_n260K<br>DC_2A-12A_n260L<br>DC_2A-12A_n260M<br>DC_2A-2A-12A_n260A<br>DC_2A-2A-12A_n260G<br>DC_2A-2A-12A_n260H<br>DC_2A-2A-12A_n260I<br>DC_2A-2A-12A_n260J<br>DC_2A-2A-12A_n260K<br>DC_2A-2A-12A_n260L<br>DC_2A-2A-12A_n260M | DC_2A_n260A<br>DC_12A_n260A |
| DC_2A-13A_n257A[2] | DC_2A_n257A<br>DC_13A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-29A_n260A<br>DC_2A-29A_n260G<br>DC_2A-29A_n260H<br>DC_2A-29A_n260I<br>DC_2A-29A_n260J<br>DC_2A-29A_n260K<br>DC_2A-29A_n260L<br>DC_2A-29A_n260M | DC_2A_n260A |
| DC_2A-13A_n260A[2]<br>DC_2A-13A_n260G<br>DC_2A-13A_n260H<br>DC_2A-13A_n260I<br>DC_2A-13A_n260J<br>DC_2A-13A_n260K<br>DC_2A-13A_n260L<br>DC_2A-13A_n260M | DC_2A_n260A<br>DC_13A_n260A |
| DC_2A-13A_n260I<br>DC_2A-13A_n260J<br>DC_2A-13A_n260K<br>DC_2A-13A_n260L<br>DC_2A-13A_n260M | DC_2A_n260G<br>DC_13A_n260G |
| DC_2A-13A_n260I<br>DC_2A-13A_n260J<br>DC_2A-13A_n260K<br>DC_2A-13A_n260L<br>DC_2A-13A_n260M | DC_2A_n260H<br>DC_13A_n260H |
| DC_2A-13A_n260(2A)<br>DC_2A-13A_n260(3A)<br>DC_2A-13A_n260(4A)<br>DC_2A-13A_n260(5A)<br>DC_2A-13A_n260(6A)<br>DC_2A-13A_n260(2G)<br>DC_2A-13A_n260(2H)<br>DC_2A-13A_n260(A-G)<br>DC_2A-13A_n260(A-H)<br>DC_2A-13A_n260(A-2G)<br>DC_2A-13A_n260(2A-G)<br>DC_2A-13A_n260(2A-2G)<br>DC_2A-13A_n260(3A-G)<br>DC_2A-13A_n260(G-H) | DC_2A_n260A<br>DC_13A_n260A |
| DC_2A-13A_n260I<br>DC_2A-13A_n260J<br>DC_2A-13A_n260K<br>DC_2A-13A_n260L<br>DC_2A-13A_n260M | DC_2A_n260I<br>DC_13A_n260I |
| DC_2A-13A_n261A<br>DC_2A-13A_n261G<br>DC_2A-13A_n261H<br>DC_2A-13A_n261I<br>DC_2A-13A_n261J<br>DC_2A-13A_n261K<br>DC_2A-13A_n261L<br>DC_2A-13A_n261M | DC_2A_n261A<br>DC_13A_n261A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-2A-13A_n261A<br>DC_2A-2A-13A_n261I<br>DC_2A-2A-13A_n261M<br>DC_2A-13A_n261(2A)<br>DC_2A-13A_n261(3A)<br>DC_2A-13A_n261(4A)<br>DC_2A-13A_n261(2G)<br>DC_2A-13A_n261(2H)<br>DC_2A-13A_n261(A-G)<br>DC_2A-13A_n261(A-H)<br>DC_2A-13A_n261(A-I)<br>DC_2A-13A_n261(A-J)<br>DC_2A-13A_n261(A-K)<br>DC_2A-13A_n261(A-L)<br>DC_2A-13A_n261(A-2G)<br>DC_2A-13A_n261(A-G-H)<br>DC_2A-13A_n261(A-G-I)<br>DC_2A-13A_n261(2A-G)<br>DC_2A-13A_n261(2A-H)<br>DC_2A-13A_n261(2A-I)<br>DC_2A-13A_n261(3A-G)<br>DC_2A-13A_n261(G-H)<br>DC_2A-13A_n261(G-I)<br>DC_2A-13A_n261(G-J)<br>DC_2A-13A_n261(H-I) | DC_2A_n261A<br>DC_13A_n261A |
| DC_2A-13A_n261I<br>DC_2A-13A_n261J<br>DC_2A-13A_n261K<br>DC_2A-13A_n261L<br>DC_2A-13A_n261M<br>DC_2A-13A_n261(A-G)<br>DC_2A-13A_n261(A-H)<br>DC_2A-13A_n261(A-J)<br>DC_2A-13A_n261(A-L)<br>DC_2A-13A_n261(2A-G)<br>DC_2A-13A_n261(2A-H)<br>DC_2A-13A_n261(A-G-H)<br>DC_2A-13A_n261(A-G-I)<br>DC_2A-13A_n261(3A-G)<br>DC_2A-13A_n261(2G)<br>DC_2A-13A_n261(2H)<br>DC_2A-13A_n261(G-H)<br>DC_2A-13A_n261(G-I)<br>DC_2A-13A_n261(H-I)<br>DC_2A-2A-13A_n261A<br>DC_2A-2A-13A_n261I<br>DC_2A-2A-13A_n261M | DC_2A_n261G<br>DC_13A_n261G |
| DC_2A-13A_n261I<br>DC_2A-13A_n261J<br>DC_2A-13A_n261K<br>DC_2A-13A_n261L<br>DC_2A-13A_n261M<br>DC_2A-13A_n261(A-H)<br>DC_2A-13A_n261(A-J)<br>DC_2A-13A_n261(A-L)<br>DC_2A-13A_n261(2A-H)<br>DC_2A-13A_n261(A-G-H)<br>DC_2A-13A_n261(A-G-I)<br>DC_2A-13A_n261(G-H)<br>DC_2A-13A_n261(G-I)<br>DC_2A-13A_n261(2H)<br>DC_2A-13A_n261(H-I)<br>DC_2A-2A-13A_n261I<br>DC_2A-2A-13A_n261M | DC_2A_n261H<br>DC_13A_n261H |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-13A_n261(A-L)<br>DC_2A-13A_n261(A-G-I)<br>DC_2A-2A-13A_n261I<br>DC_2A-2A-13A_n261M | DC_2A_n261I<br>DC_13A_n261I |
| DC_2A-14A_n260A<br>DC_2A-14A_n260G<br>DC_2A-14A_n260H<br>DC_2A-14A_n260I<br>DC_2A-14A_n260J<br>DC_2A-14A_n260K<br>DC_2A-14A_n260L<br>DC_2A-14A_n260M<br>DC_2A-2A-14A_n260A<br>DC_2A-2A-14A_n260G<br>DC_2A-2A-14A_n260H<br>DC_2A-2A-14A_n260I<br>DC_2A-2A-14A_n260J<br>DC_2A-2A-14A_n260K<br>DC_2A-2A-14A_n260L<br>DC_2A-2A-14A_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M<br>DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M |
| DC_2A-30A_n260A<br>DC_2A-30A_n260G<br>DC_2A-30A_n260H<br>DC_2A-30A_n260I<br>DC_2A-30A_n260J<br>DC_2A-30A_n260K<br>DC_2A-30A_n260L<br>DC_2A-30A_n260M | DC_2A_n260A<br>DC_30A_n260A |
| DC_2A-2A-30A_n260A<br>DC_2A-2A-30A_n260G<br>DC_2A-2A-30A_n260H<br>DC_2A-2A-30A_n260I<br>DC_2A-2A-30A_n260J<br>DC_2A-2A-30A_n260K<br>DC_2A-2A-30A_n260L<br>DC_2A-2A-30A_n260M | DC_2A_n260A<br>DC_30A_n260A |
| DC_2A-46A_n258A<br>DC_2A-46C_n258A<br>DC_2A-46D_n258A | DC_2A_n258A |
| DC_2A-46A_n258(2A)<br>DC_2A-46A_n258(3A)<br>DC_2A-46A_n258(4A)<br>DC_2A-46A_n258(5A)<br>DC_2A-46C_n258(2A)<br>DC_2A-46C_n258(3A)<br>DC_2A-46C_n258(4A)<br>DC_2A-46C_n258(5A)<br>DC_2A-46D_n258(2A)<br>DC_2A-46D_n258(3A)<br>DC_2A-46D_n258(4A)<br>DC_2A-46D_n258(5A) | DC_2A_n258A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-46A_n260A<br>DC_2A-46C_n260A<br>DC_2A-46D_n260A<br>DC_2A-46E_n260A<br>DC_2A-46A_n260G<br>DC_2A-46C_n260G<br>DC_2A-46D_n260G<br>DC_2A-46E_n260G<br>DC_2A-46A_n260H<br>DC_2A-46C_n260H<br>DC_2A-46D_n260H<br>DC_2A-46E_n260H<br>DC_2A-46A_n260I<br>DC_2A-46C_n260I<br>DC_2A-46D_n260I<br>DC_2A-46E_n260I<br>DC_2A-46A_n260J<br>DC_2A-46C_n260J<br>DC_2A-46D_n260J<br>DC_2A-46E_n260J<br>DC_2A-46A_n260K<br>DC_2A-46C_n260K<br>DC_2A-46D_n260K<br>DC_2A-46E_n260K<br>DC_2A-46A_n260L<br>DC_2A-46C_n260L<br>DC_2A-46D_n260L<br>DC_2A-46E_n260L<br>DC_2A-46A_n260M<br>DC_2A-46C_n260M<br>DC_2A-46D_n260M<br>DC_2A-46E_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H DC_2A_n260I DC_2A_n260J<br>DC_2A_n260K DC_2A_n260L DC_2A_n260M |
| DC_2A-2A-46A_n260A<br>DC_2A-2A-46C_n260A<br>DC_2A-2A-46D_n260A<br>DC_2A-2A-46E_n260A<br>DC_2A-2A-46A_n260G<br>DC_2A-2A-46C_n260G<br>DC_2A-2A-46D_n260G<br>DC_2A-2A-46E_n260G<br>DC_2A-2A-46A_n260H<br>DC_2A-2A-46C_n260H<br>DC_2A-2A-46D_n260H<br>DC_2A-2A-46E_n260H<br>DC_2A-2A-46A_n260I<br>DC_2A-2A-46C_n260I<br>DC_2A-2A-46D_n260I<br>DC_2A-2A-46E_n260I<br>DC_2A-2A-46A_n260J<br>DC_2A-2A-46C_n260J<br>DC_2A-2A-46D_n260J<br>DC_2A-2A-46E_n260J<br>DC_2A-2A-46A_n260K<br>DC_2A-2A-46C_n260K<br>DC_2A-2A-46D_n260K<br>DC_2A-2A-46E_n260K<br>DC_2A-2A-46A_n260L<br>DC_2A-2A-46C_n260L<br>DC_2A-2A-46D_n260L<br>DC_2A-2A-46E_n260L<br>DC_2A-2A-46A_n260M<br>DC_2A-2A-46C_n260M<br>DC_2A-2A-46D_n260M<br>DC_2A-2A-46E_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-46A_n261A<br>DC_2A-46A_n261I<br>DC_2A-46A_n261L<br>DC_2A-46A_n261M<br>DC_2A-46A_n261(A-H)<br>DC_2A-46A_n261(A-L)<br>DC_2A-46A_n261(2H)<br>DC_2A-46C_n261A<br>DC_2A-46D_n261A<br>DC_2A-46A_n261(2A)<br>DC_2A-46C_n261(2A)<br>DC_2A-46D_n261(2A)<br>DC_2A-46A-46A_n261A<br>DC_2A-46A-46A_n261I<br>DC_2A-46A-46A_n261L<br>DC_2A-46A-46A_n261M<br>DC_2A-46A-46A_n261(A-H)<br>DC_2A-46A-46A_n261(A-L)<br>DC_2A-46A-46A_n261(G-H)<br>DC_2A-46A-46A_n261(2H)<br>DC_2A-46A-46A-46A_n261A<br>DC_2A-46A-46A-46A_n261I<br>DC_2A-46A-46A-46A_n261L<br>DC_2A-46A-46A-46A_n261M<br>DC_2A-46A-46A-46A_n261(A-H)<br>DC_2A-46A-46A-46A_n261(A-L)<br>DC_2A-46A-46A-46A_n261(G-H)<br>DC_2A-46A-46A-46A_n261(2H) | DC_2A_n261A |
| DC_2A-46A_n261I<br>DC_2A-46A_n261L<br>DC_2A-46A_n261M<br>DC_2A-46A_n261(A-H)<br>DC_2A-46A_n261(A-L)<br>DC_2A-46A_n261(G-H)<br>DC_2A-46A_n261(2H)<br>DC_2A-46A-46A_n261I<br>DC_2A-46A-46A_n261L<br>DC_2A-46A-46A_n261M<br>DC_2A-46A-46A_n261(A-H)<br>DC_2A-46A-46A_n261(A-L)<br>DC_2A-46A-46A_n261(G-H)<br>DC_2A-46A-46A_n261(2H)<br>DC_2A-46A-46A-46A_n261I<br>DC_2A-46A-46A-46A_n261L<br>DC_2A-46A-46A-46A_n261M<br>DC_2A-46A-46A-46A_n261(A-H)<br>DC_2A-46A-46A-46A_n261(A-L)<br>DC_2A-46A-46A-46A_n261(G-H)<br>DC_2A-46A-46A-46A_n261(2H) | DC_2A_n261G |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-46A_n261I<br>DC_2A-46A_n261L<br>DC_2A-46A_n261M<br>DC_2A-46A_n261(2H)<br>DC_2A-46A_n261(A-H)<br>DC_2A-46A_n261(A-L)<br>DC_2A-46A_n261(G-H)<br>DC_2A-46A-46A_n261I<br>DC_2A-46A-46A_n261L<br>DC_2A-46A-46A_n261M<br>DC_2A-46A-46A_n261(A-H)<br>DC_2A-46A-46A_n261(A-L)<br>DC_2A-46A-46A_n261(G-H)<br>DC_2A-46A-46A_n261(2H)<br>DC_2A-46A-46A-46A_n261I<br>DC_2A-46A-46A-46A_n261L<br>DC_2A-46A-46A-46A_n261M<br>DC_2A-46A-46A-46A_n261(A-H)<br>DC_2A-46A-46A-46A_n261(A-L)<br>DC_2A-46A-46A-46A_n261(G-H)<br>DC_2A-46A-46A-46A_n261(2H) | DC_2A_n261H |
| DC_2A-46A_n261I<br>DC_2A-46A_n261L<br>DC_2A-46A_n261M<br>DC_2A-46A_n261(A-L)<br>DC_2A-46A-46A_n261I<br>DC_2A-46A-46A_n261L<br>DC_2A-46A-46A_n261M<br>DC_2A-46A-46A_n261(A-L)<br>DC_2A-46A-46A-46A_n261I<br>DC_2A-46A-46A-46A_n261L<br>DC_2A-46A-46A-46A_n261M<br>DC_2A-46A-46A-46A_n261(A-L) | DC_2A_n261I |
| DC_2A-46A_n261A<br>DC_2A-46A_n261G<br>DC_2A-46A_n261H<br>DC_2A-46A_n261I<br>DC_2A-46A_n261J<br>DC_2A-46A_n261K<br>DC_2A-46A_n261L<br>DC_2A-46A_n261M<br>DC_2A-46A-46A_n261A<br>DC_2A-46A-46A_n261G<br>DC_2A-46A-46A_n261H<br>DC_2A-46A-46A_n261I<br>DC_2A-46A-46A_n261J<br>DC_2A-46A-46A_n261K<br>DC_2A-46A-46A_n261L<br>DC_2A-46A-46A_n261M<br>DC_2A-46A-46A-46A_n261A<br>DC_2A-46A-46A-46A_n261G<br>DC_2A-46A-46A-46A_n261H<br>DC_2A-46A-46A-46A_n261I<br>DC_2A-46A-46A-46A_n261J<br>DC_2A-46A-46A-46A_n261K<br>DC_2A-46A-46A-46A_n261L<br>DC_2A-46A-46A-46A_n261M | DC_2A_n261A<br>DC_2A_n261G<br>DC_2A_n261H<br>DC_2A_n261I |
| DC_2A-66A_n257A[2]<br>DC_2A-66A_n257(2A) | DC_2A_n257A<br>DC_66A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-66A_n260A<br>DC_2A-66A_n260G<br>DC_2A-66A_n260H<br>DC_2A-66A_n260I<br>DC_2A-66A_n260J<br>DC_2A-66A_n260K<br>DC_2A-66A_n260L<br>DC_2A-66A_n260M | DC_2A_n260A<br>DC_66A_n260A |
| DC_2A-66A_n260(2A)<br>DC_2A-66A_n260(3A)<br>DC_2A-66A_n260(4A)<br>DC_2A-66A_n260(5A)<br>DC_2A-66A_n260(6A)<br>DC_2A-66A_n260(2G)<br>DC_2A-66A_n260(2H)<br>DC_2A-66A_n260(A-G)<br>DC_2A-66A_n260(A-H)<br>DC_2A-66A_n260(A-2G)<br>DC_2A-66A_n260(2A-G)<br>DC_2A-66A_n260(2A-2G)<br>DC_2A-66A_n260(3A-G)<br>DC_2A-66A_n260(G-H) | DC_2A_n260A<br>DC_66A_n260A |
| DC_2A-66A_n260I<br>DC_2A-66A_n260J<br>DC_2A-66A_n260K<br>DC_2A-66A_n260L<br>DC_2A-66A_n260M<br>DC_2A-66A-66A_n260I<br>DC_2A-66A-66A_n260J<br>DC_2A-66A-66A_n260K<br>DC_2A-66A-66A_n260L<br>DC_2A-66A-66A_n260M | DC_2A_n260G<br>DC_66A_n260G |
| DC_2A-66A_n260I<br>DC_2A-66A_n260J<br>DC_2A-66A_n260K<br>DC_2A-66A_n260L<br>DC_2A-66A_n260M<br>DC_2A-66A-66A_n260I<br>DC_2A-66A-66A_n260J<br>DC_2A-66A-66A_n260K<br>DC_2A-66A-66A_n260L<br>DC_2A-66A-66A_n260M | DC_2A_n260H<br>DC_66A_n260H |
| DC_2A-66A_n260I<br>DC_2A-66A_n260J<br>DC_2A-66A_n260K<br>DC_2A-66A_n260L<br>DC_2A-66A_n260M<br>DC_2A-66A-66A_n260I<br>DC_2A-66A-66A_n260J<br>DC_2A-66A-66A_n260K<br>DC_2A-66A-66A_n260L<br>DC_2A-66A-66A_n260M | DC_2A_n260I<br>DC_66A_n260I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-2A-66A_n260A<br>DC_2A-2A-66A_n260G<br>DC_2A-2A-66A_n260H<br>DC_2A-2A-66A_n260I<br>DC_2A-2A-66A_n260J<br>DC_2A-2A-66A_n260K<br>DC_2A-2A-66A_n260L<br>DC_2A-2A-66A_n260M<br>DC_2A-66A-66A_n260A<br>DC_2A-66A-66A_n260G<br>DC_2A-66A-66A_n260H<br>DC_2A-66A-66A_n260I<br>DC_2A-66A-66A_n260J<br>DC_2A-66A-66A_n260K<br>DC_2A-66A-66A_n260L<br>DC_2A-66A-66A_n260M | DC_2A_n260A<br>DC_66A_n260A |
| DC_2A-66A_n261A | DC_2A_n261A<br>DC_66A_n261A |
| DC_2A-66A_n261G<br>DC_2A-66A_n261H<br>DC_2A-66A_n261I<br>DC_2A-66A_n261J<br>DC_2A-66A_n261K<br>DC_2A-66A_n261L<br>DC_2A-66A_n261M | DC_2A_n261A<br>DC_66A_n261A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-66A_n261(2A)<br>DC_2A-66A_n261(3A)<br>DC_2A-66A_n261(4A)<br>DC_2A-66A_n261(2G)<br>DC_2A-66A_n261(2H)<br>DC_2A-66A_n261(A-G)<br>DC_2A-66A_n261(A-H)<br>DC_2A-66A_n261(A-I)<br>DC_2A-66A_n261(A-J)<br>DC_2A-66A_n261(A-K)<br>DC_2A-66A_n261(A-L)<br>DC_2A-66A_n261(A-2G)<br>DC_2A-66A_n261(A-G-H)<br>DC_2A-66A_n261(A-G-I)<br>DC_2A-66A_n261(2A-G)<br>DC_2A-66A_n261(2A-H)<br>DC_2A-66A_n261(2A-I)<br>DC_2A-66A_n261(3A-G)<br>DC_2A-66A_n261(G-H)<br>DC_2A-66A_n261(G-I)<br>DC_2A-66A_n261(G-J)<br>DC_2A-66A_n261(H-I)<br>DC_2A-66A-66A_n261A<br>DC_2A-66A-66A_n261I<br>DC_2A-66A-66A_n261J<br>DC_2A-66A-66A_n261K<br>DC_2A-66A-66A_n261L<br>DC_2A-66A-66A_n261M<br>DC_2A-66A-66A_n261(A-G)<br>DC_2A-66A-66A_n261(A-H)<br>DC_2A-66A-66A_n261(A-J)<br>DC_2A-66A-66A_n261(A-K)<br>DC_2A-66A-66A_n261(A-L)<br>DC_2A-66A-66A_n261(2A-G)<br>DC_2A-66A-66A_n261(2A-H)<br>DC_2A-66A-66A_n261(2A-I)<br>DC_2A-66A-66A_n261(A-G-H)<br>DC_2A-66A-66A_n261(A-G-I)<br>DC_2A-66A-66A_n261(3A-G)<br>DC_2A-66A-66A_n261(2G)<br>DC_2A-66A-66A_n261(G-H)<br>DC_2A-66A-66A_n261(G-I)<br>DC_2A-66A-66A_n261(G-J)<br>DC_2A-66A-66A_n261(2H)<br>DC_2A-66A-66A_n261(H-I)<br>DC_2A-2A-66A_n261A<br>DC_2A-2A-66A_n261I<br>DC_2A-2A-66A_n261M | DC_2A_n261A<br>DC_66A_n261A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-66A_n261I<br>DC_2A-66A_n261J<br>DC_2A-66A_n261K<br>DC_2A-66A_n261L<br>DC_2A-66A_n261M<br>DC_2A-2A-66A_n261I<br>DC_2A-2A-66A_n261M<br>DC_2A-66A_n261(A-G)<br>DC_2A-66A_n261(A-H)<br>DC_2A-66A_n261(A-J)<br>DC_2A-66A_n261(A-L)<br>DC_2A-66A_n261(2A-G)<br>DC_2A-66A_n261(2A-H)<br>DC_2A-66A_n261(A-G-H)<br>DC_2A-66A_n261(A-G-I)<br>DC_2A-66A_n261(3A-G)<br>DC_2A-66A_n261(2G)<br>DC_2A-66A_n261(G-H)<br>DC_2A-66A_n261(G-I)<br>DC_2A-66A_n261(2H)<br>DC_2A-66A_n261(H-I)<br>DC_2A-66A_n261(A-G-H)<br>DC_2A-66A-66A_n261I<br>DC_2A-66A-66A_n261J<br>DC_2A-66A-66A_n261K<br>DC_2A-66A-66A_n261L<br>DC_2A-66A-66A_n261M<br>DC_2A-66A-66A_n261(A-G)<br>DC_2A-66A-66A_n261(A-H)<br>DC_2A-66A-66A_n261(A-J)<br>DC_2A-66A-66A_n261(A-L)<br>DC_2A-66A-66A_n261(2A-G)<br>DC_2A-66A-66A_n261(2A-H)<br>DC_2A-66A-66A_n261(A-G-H)<br>DC_2A-66A-66A_n261(A-G-I)<br>DC_2A-66A-66A_n261(3A-G)<br>DC_2A-66A-66A_n261(2G)<br>DC_2A-66A-66A_n261(G-H)<br>DC_2A-66A-66A_n261(G-I)<br>DC_2A-66A-66A_n261(2H)<br>DC_2A-66A-66A_n261(H-I) | DC_2A_n261G<br>DC_66A_n261G |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-66A_n261I<br>DC_2A-66A_n261J<br>DC_2A-66A_n261K<br>DC_2A-66A_n261L<br>DC_2A-66A_n261M<br>DC_2A-2A-66A_n261I<br>DC_2A-2A-66A_n261M<br>DC_2A-66A_n261(A-H)<br>DC_2A-66A_n261(A-J)<br>DC_2A-66A_n261(A-L)<br>DC_2A-66A_n261(2A-H)<br>DC_2A-66A_n261(A-G-H)<br>DC_2A-66A_n261(A-G-I)<br>DC_2A-66A_n261(G-H)<br>DC_2A-66A_n261(G-I)<br>DC_2A-66A_n261(H-I)<br>DC_2A-66A_n261(2H)<br>DC_2A-66A-66A_n261I<br>DC_2A-66A-66A_n261J<br>DC_2A-66A-66A_n261K<br>DC_2A-66A-66A_n261L<br>DC_2A-66A-66A_n261M<br>DC_2A-66A-66A_n261(A-H)<br>DC_2A-66A-66A_n261(A-J)<br>DC_2A-66A-66A_n261(A-L)<br>DC_2A-66A-66A_n261(2A-H)<br>DC_2A-66A-66A_n261(A-G-H)<br>DC_2A-66A-66A_n261(A-G-I)DC_2A-66A-66A_n261(G-H)<br>DC_2A-66A-66A_n261(G-I)<br>DC_2A-66A-66A_n261(2H)<br>DC_2A-66A-66A_n261(H-I) | DC_2A_n261H<br>DC_66A_n261H |
| DC_2A-66A_n261I<br>DC_2A-66A_n261J<br>DC_2A-66A_n261K<br>DC_2A-66A_n261L<br>DC_2A-66A_n261M<br>DC_2A-2A-66A_n261I<br>DC_2A-2A-66A_n261M<br>DC_2A-66A-66A_n261I<br>DC_2A-66A-66A_n261J<br>DC_2A-66A-66A_n261K<br>DC_2A-66A-66A_n261L<br>DC_2A-66A-66A_n261M<br>DC_2A-66A_n261(A-J)<br>DC_2A-66A_n261(A-K)<br>DC_2A-66A_n261(A-L)<br>DC_2A-66A_n261(2A-I)<br>DC_2A-66A_n261(A-G-I)<br>DC_2A-66A_n261(G-I)<br>DC_2A-66A_n261(G-J)<br>DC_2A-66A_n261(H-I)<br>DC_2A-66A-66A_n261(A-J)<br>DC_2A-66A-66A_n261(A-K)<br>DC_2A-66A-66A_n261(A-L)<br>DC_2A-66A-66A_n261(2A-I)<br>DC_2A-66A-66A_n261(A-G-I)<br>DC_2A-66A-66A_n261(G-I)<br>DC_2A-66A-66A_n261(G-J)<br>DC_2A-66A-66A_n261(H-I) | DC_2A_n261I<br>DC_66A_n261I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-3A-7A_n257A<br>DC_3A-3A-7A_n257D<br>DC_3A-3A-7A_n257E<br>DC_3A-3A-7A_n257F<br>DC_3A-3A-7A_n257G<br>DC_3A-3A-7A_n257H<br>DC_3A-3A-7A_n257I<br>DC_3A-3A-7A_n257J<br>DC_3A-3A-7A_n257K<br>DC_3A-3A-7A_n257L<br>DC_3A-3A-7A_n257M | DC_3A_n257A<br>DC_7A_n257A |
| DC_3A-3A-7A-7A_n257A<br>DC_3A-3A-7A-7A_n257D<br>DC_3A-3A-7A-7A_n257E<br>DC_3A-3A-7A-7A_n257F<br>DC_3A-3A-7A-7A_n257G<br>DC_3A-3A-7A-7A_n257H<br>DC_3A-3A-7A-7A_n257I<br>DC_3A-3A-7A-7A_n257J<br>DC_3A-3A-7A-7A_n257K<br>DC_3A-3A-7A-7A_n257L<br>DC_3A-3A-7A-7A_n257M | DC_3A_n257A<br>DC_7A_n257A |
| DC_3A-5A_n257A[2]<br>DC_3A-5A_n257D<br>DC_3A-5A_n257E<br>DC_3A-5A_n257F<br>DC_3A-5A_n257G<br>DC_3A-5A_n257H<br>DC_3A-5A_n257I<br>DC_3A-5A_n257J<br>DC_3A-5A_n257K<br>DC_3A-5A_n257L<br>DC_3A-5A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I |
| DC_3A-7A_n257A[2]<br>DC_3A-7A_n257D<br>DC_3A-7A_n257E<br>DC_3A-7A_n257F<br>DC_3A-7A_n257G<br>DC_3A-7A_n257H<br>DC_3A-7A_n257I<br>DC_3A-7A_n257J<br>DC_3A-7A_n257K<br>DC_3A-7A_n257L<br>DC_3A-7A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_3A-7A_n258A<br>DC_3A-7A_n258D<br>DC_3A-7A_n258E<br>DC_3A-7A_n258F<br>DC_3A-7A_n258G<br>DC_3A-7A_n258H<br>DC_3A-7A_n258I<br>DC_3A-7A_n258J<br>DC_3A-7A_n258K<br>DC_3A-7A_n258L<br>DC_3A-7A_n258M | DC_3A_n258A<br>DC_7A_n258A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-7A-7A_n257A[2]<br>DC_3A-7A-7A_n257D<br>DC_3A-7A-7A_n257E<br>DC_3A-7A-7A_n257F<br>DC_3A-7A-7A_n257G<br>DC_3A-7A-7A_n257H<br>DC_3A-7A-7A_n257I<br>DC_3A-7A-7A_n257J<br>DC_3A-7A-7A_n257K<br>DC_3A-7A-7A_n257L<br>DC_3A-7A-7A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_3A-8A_n257A<br>DC_3A-8A_n257D<br>DC_3A-8A_n257E<br>DC_3A-8A_n257F<br>DC_3A-8A_n257G<br>DC_3A-8A_n257H<br>DC_3A-8A_n257I<br>DC_3A-8A_n257J<br>DC_3A-8A_n257K<br>DC_3A-8A_n257L<br>DC_3A-8A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_8A_n257A<br>DC_8A_n257D<br>DC_8A_n257G<br>DC_8A_n257H<br>DC_8A_n257I |
| DC_3A-8A_n258A<br>DC_3A-8A_n258D<br>DC_3A-8A_n258E<br>DC_3A-8A_n258F<br>DC_3A-8A_n258G<br>DC_3A-8A_n258H<br>DC_3A-8A_n258I<br>DC_3A-8A_n258J<br>DC_3A-8A_n258K<br>DC_3A-8A_n258L<br>DC_3A-8A_n258M | DC_3A_n258A<br>DC_8A_n258A |
| DC_3A-18A_n257A<br>DC_3A-18A_n257D<br>DC_3A-18A_n257E<br>DC_3A-18A_n257F<br>DC_3A-18A_n257G<br>DC_3A-18A_n257H<br>DC_3A-18A_n257I<br>DC_3A-18A_n257J<br>DC_3A-18A_n257K<br>DC_3A-18A_n257L<br>DC_3A-18A_n257M | DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_3A-19A_n257A[2]<br>DC_3A-19A_n257D[2]<br>DC_3A-19A_n257E[2]<br>DC_3A-19A_n257F[2]<br>DC_3A-19A_n257G<br>DC_3A-19A_n257H<br>DC_3A-19A_n257I<br>DC_3A-19A_n257J<br>DC_3A-19A_n257K<br>DC_3A-19A_n257L<br>DC_3A-19A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_19A_n257A<br>DC_19A_n257D<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-21A_n257A[2]<br>DC_3A-21A_n257D[2]<br>DC_3A-21A_n257E[2]<br>DC_3A-21A_n257F[2]<br>DC_3A-21A_n257G<br>DC_3A-21A_n257H<br>DC_3A-21A_n257I<br>DC_3A-21A_n257J<br>DC_3A-21A_n257K<br>DC_3A-21A_n257L<br>DC_3A-21A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_21A_n257A<br>DC_21A_n257D<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_3A-28A_n257A[2]<br>DC_3A-28A_n257D[2]<br>DC_3A-28A_n257E[2]<br>DC_3A-28A_n257F[2]<br>DC_3A-28A_n257G<br>DC_3A-28A_n257H<br>DC_3A-28A_n257I<br>DC_3A-28A_n257J<br>DC_3A-28A_n257K<br>DC_3A-28A_n257L<br>DC_3A-28A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_28A_n257A<br>DC_28A_n257D<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_3A-41A_n257A<br>DC_3A-41A_n257D<br>DC_3A-41A_n257E<br>DC_3A-41A_n257F<br>DC_3A-41A_n257G<br>DC_3A-41A_n257H<br>DC_3A-41A_n257I<br>DC_3A-41A_n257J<br>DC_3A-41A_n257K<br>DC_3A-41A_n257L<br>DC_3A-41A_n257M<br>DC_3A-41C_n257A<br>DC_3A-41C_n257D<br>DC_3A-41C_n257E<br>DC_3A-41C_n257F<br>DC_3A-41C_n257G<br>DC_3A-41C_n257H<br>DC_3A-41C_n257I<br>DC_3A-41C_n257J<br>DC_3A-41C_n257K<br>DC_3A-41C_n257L<br>DC_3A-41C_n257M | DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-42A_n257A[2]<br>DC_3A-42A_n257D[2]<br>DC_3A-42A_n257E[2]<br>DC_3A-42A_n257F[2]<br>DC_3A-42A_n257G<br>DC_3A-42A_n257H<br>DC_3A-42A_n257I<br>DC_3A-42A_n257J<br>DC_3A-42A_n257K<br>DC_3A-42A_n257L<br>DC_3A-42A_n257M<br>DC_3A-42C_n257A[2]<br>DC_3A-42C_n257D[2]<br>DC_3A-42C_n257E[2]<br>DC_3A-42C_n257F[2]<br>DC_3A-42C_n257G<br>DC_3A-42C_n257H<br>DC_3A-42C_n257I<br>DC_3A-42C_n257J<br>DC_3A-42C_n257K<br>DC_3A-42C_n257L<br>DC_3A-42C_n257M<br>DC_3A-42D_n257A[2]<br>DC_3A-42D_n257D<br>DC_3A-42D_n257E<br>DC_3A-42D_n257F<br>DC_3A-42D_n257G<br>DC_3A-42D_n257H<br>DC_3A-42D_n257I<br>DC_3A-42D_n257J<br>DC_3A-42D_n257K<br>DC_3A-42D_n257L<br>DC_3A-42D_n257M<br>DC_3A-42E_n257A[2]<br>DC_3A-42E_n257D<br>DC_3A-42E_n257E<br>DC_3A-42E_n257F<br>DC_3A-42E_n257G<br>DC_3A-42E_n257H<br>DC_3A-42E_n257I<br>DC_3A-42E_n257J<br>DC_3A-42E_n257K<br>DC_3A-42E_n257L<br>DC_3A-42E_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_5A-7A_n257A[2]<br>DC_5A-7A_n257D<br>DC_5A-7A_n257E<br>DC_5A-7A_n257F<br>DC_5A-7A_n257G<br>DC_5A-7A_n257H<br>DC_5A-7A_n257I<br>DC_5A-7A_n257J<br>DC_5A-7A_n257K<br>DC_5A-7A_n257L<br>DC_5A-7A_n257M | DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_5A-7A-7A_n257A | DC_5A_n257A<br>DC_7A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_5A-7A-7A_n257D<br>DC_5A-7A-7A_n257E<br>DC_5A-7A-7A_n257F<br>DC_5A-7A-7A_n257G<br>DC_5A-7A-7A_n257H<br>DC_5A-7A-7A_n257I<br>DC_5A-7A-7A_n257J<br>DC_5A-7A-7A_n257K<br>DC_5A-7A-7A_n257L<br>DC_5A-7A-7A_n257M | DC_5A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_5A-30A_n260A<br>DC_5A-30A_n260G<br>DC_5A-30A_n260H<br>DC_5A-30A_n260I<br>DC_5A-30A_n260J<br>DC_5A-30A_n260K<br>DC_5A-30A_n260L<br>DC_5A-30A_n260M | DC_5A_n260A<br>DC_30A_n260A |
| DC_8A-11A_n257A<br>DC_8A-11A_n257D<br>DC_8A-11A_n257G<br>DC_8A-11A_n257H<br>DC_8A-11A_n257I | DC_8A_n257A<br>DC_8A_n257D<br>DC_8A_n257G<br>DC_8A_n257H<br>DC_8A_n257I<br>DC_11A_n257A<br>DC_11A_n257D<br>DC_11A_n257G<br>DC_11A_n257H<br>DC_11A_n257I |
| DC_5A-66A_n260A<br>DC_5A-66A_n260G<br>DC_5A-66A_n260H<br>DC_5A-66A_n260I<br>DC_5A-66A_n260J<br>DC_5A-66A_n260K<br>DC_5A-66A_n260L<br>DC_5A-66A_n260M | DC_5A_n260A<br>DC_66A_n260A |
| DC_5A-66A_n260I<br>DC_5A-66A_n260J<br>DC_5A-66A_n260K<br>DC_5A-66A_n260L<br>DC_5A-66A_n260M<br>DC_5A-66A-66A_n260I<br>DC_5A-66A-66A_n260J<br>DC_5A-66A-66A_n260K<br>DC_5A-66A-66A_n260L<br>DC_5A-66A-66A_n260M | DC_5A_n260I<br>DC_66A_n260I |
| DC_5A-66A-66A_n260A<br>DC_5A-66A-66A_n260G<br>DC_5A-66A-66A_n260H<br>DC_5A-66A-66A_n260I<br>DC_5A-66A-66A_n260J<br>DC_5A-66A-66A_n260K<br>DC_5A-66A-66A_n260L<br>DC_5A-66A-66A_n260M | DC_5A_n260A<br>DC_66A_n260A |
| DC_5A-66A_n260I<br>DC_5A-66A_n260J<br>DC_5A-66A_n260K<br>DC_5A-66A_n260L<br>DC_5A-66A_n260M<br>DC_5A-66A-66A_n260I<br>DC_5A-66A-66A_n260J<br>DC_5A-66A-66A_n260K<br>DC_5A-66A-66A_n260L<br>DC_5A-66A-66A_n260M | DC_5A_n260G<br>DC_66A_n260G |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_5A-66A_n260I<br>DC_5A-66A_n260J<br>DC_5A-66A_n260K<br>DC_5A-66A_n260L<br>DC_5A-66A_n260M<br>DC_5A-66A-66A_n260I<br>DC_5A-66A-66A_n260J<br>DC_5A-66A-66A_n260K<br>DC_5A-66A-66A_n260L<br>DC_5A-66A-66A_n260M | DC_5A_n260H<br>DC_66A_n260H |
| DC_5A-66A_n261A<br>DC_5A-66A_n261I<br>DC_5A-66A_n261J<br>DC_5A-66A_n261K<br>DC_5A-66A_n261L<br>DC_5A-66A_n261M | DC_5A_n261A<br>DC_66A_n261A |
| DC_5A-66A_n261(2G)<br>DC_5A-66A_n261(2H)<br>DC_5A-66A_n261(A-G)<br>DC_5A-66A_n261(A-H)<br>DC_5A-66A_n261(A-J)<br>DC_5A-66A_n261(A-K)<br>DC_5A-66A_n261(A-L)<br>DC_5A-66A_n261(2A-G)<br>DC_5A-66A_n261(2A-H)<br>DC_5A-66A_n261(2A-I)<br>DC_5A-66A_n261(A-G-H)<br>DC_5A-66A_n261(A-G-I)<br>DC_5A-66A_n261(3A-G)<br>DC_5A-66A_n261(G-H)<br>DC_5A-66A_n261(G-I)<br>DC_5A-66A_n261(G-J)<br>DC_5A-66A_n261(H-I)<br>DC_5A-66A-66A_n261A<br>DC_5A-66A-66A_n261I<br>DC_5A-66A-66A_n261J<br>DC_5A-66A-66A_n261K<br>DC_5A-66A-66A_n261L<br>DC_5A-66A-66A_n261M<br>DC_5A-66A-66A_n261(A-G)<br>DC_5A-66A-66A_n261(A-H)<br>DC_5A-66A-66A_n261(A-J)<br>DC_5A-66A-66A_n261(A-K)<br>DC_5A-66A-66A_n261(A-L)<br>DC_5A-66A-66A_n261(2A-G)<br>DC_5A-66A-66A_n261(2A-H)<br>DC_5A-66A-66A_n261(A-G-H)<br>DC_5A-66A-66A_n261(A-G-I)<br>DC_5A-66A-66A_n261(2A-I)<br>DC_5A-66A-66A_n261(3A-G)<br>DC_5A-66A-66A_n261(2G)<br>DC_5A-66A-66A_n261(G-H)<br>DC_5A-66A-66A_n261(G-I)<br>DC_5A-66A-66A_n261(G-J)<br>DC_5A-66A-66A_n261(2H)<br>DC_5A-66A-66A_n261(H-I) | DC_5A_n261A<br>DC_66A_n261A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_5A-66A_n261I<br>DC_5A-66A_n261J<br>DC_5A-66A_n261K<br>DC_5A-66A_n261L<br>DC_5A-66A_n261M<br>DC_5A-66A-66A_n261I<br>DC_5A-66A-66A_n261J<br>DC_5A-66A-66A_n261K<br>DC_5A-66A-66A_n261L<br>DC_5A-66A-66A_n261M<br>DC_5A-66A_n261(A-G)<br>DC_5A-66A_n261(A-H)<br>DC_5A-66A_n261(A-J)<br>DC_5A-66A_n261(A-L)<br>DC_5A-66A_n261(2A-G)<br>DC_5A-66A_n261(2A-H)<br>DC_5A-66A_n261(A-G-H)<br>DC_5A-66A_n261(A-G-I)<br>DC_5A-66A_n261(3A-G)<br>DC_5A-66A_n261(2G)<br>DC_5A-66A_n261(G-H)<br>DC_5A-66A_n261(G-I)<br>DC_5A-66A_n261(2H)<br>DC_5A-66A_n261(H-I)<br>DC_5A-66A-66A_n261(A-G)<br>DC_5A-66A-66A_n261(A-H)<br>DC_5A-66A-66A_n261(A-J)<br>DC_5A-66A-66A_n261(A-L)<br>DC_5A-66A-66A_n261(G-H)<br>DC_5A-66A-66A_n261(G-I)<br>DC_5A-66A-66A_n261(2H)<br>DC_5A-66A-66A_n261(H-I)<br>DC_5A-66A-66A_n261(2A-G)<br>DC_5A-66A-66A_n261(2A-H)<br>DC_5A-66A-66A_n261(A-G-H)<br>DC_5A-66A-66A_n261(A-G-I)<br>DC_5A-66A-66A_n261(3A-G)<br>DC_5A-66A-66A_n261(2G) | DC_5A_n261G<br>DC_66A_n261G |
| DC_5A-66A_n261I<br>DC_5A-66A_n261J<br>DC_5A-66A_n261K<br>DC_5A-66A_n261L<br>DC_5A-66A_n261M<br>DC_5A-66A-66A_n261I<br>DC_5A-66A-66A_n261J<br>DC_5A-66A-66A_n261K<br>DC_5A-66A-66A_n261L<br>DC_5A-66A-66A_n261M<br>DC_5A-66A_n261(A-H)<br>DC_5A-66A_n261(A-J)<br>DC_5A-66A_n261(A-L)DC_5A-66A_n261(2A-H)<br>DC_5A-66A_n261(A-G-H)<br>DC_5A-66A_n261(A-G-I)<br>DC_5A-66A_n261(G-H)<br>DC_5A-66A_n261(G-I)<br>DC_5A-66A_n261(2H)<br>DC_5A-66A_n261(H-I)<br>DC_5A-66A-66A_n261(A-H)<br>DC_5A-66A-66A_n261(A-J)<br>DC_5A-66A-66A_n261(A-L)<br>DC_5A-66A-66A_n261(2A-H)<br>DC_5A-66A-66A_n261(A-G-H)<br>DC_5A-66A-66A_n261(A-G-I)<br>DC_5A-66A-66A_n261(G-H)<br>DC_5A-66A-66A_n261(G-I)<br>DC_5A-66A-66A_n261(2H)<br>DC_5A-66A-66A_n261(H-I) | DC_5A_n261H<br>DC_66A_n261H |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_5A-66A_n261I<br>DC_5A-66A_n261J<br>DC_5A-66A_n261K<br>DC_5A-66A_n261L<br>DC_5A-66A_n261M<br>DC_5A-66A-66A_n261I<br>DC_5A-66A-66A_n261J<br>DC_5A-66A-66A_n261K<br>DC_5A-66A-66A_n261L<br>DC_5A-66A-66A_n261M<br>DC_5A-66A_n261(A-J)<br>DC_5A-66A_n261(A-K)<br>DC_5A-66A_n261(A-L)<br>DC_5A-66A_n261(2A-I)<br>DC_5A-66A_n261(A-G-I)<br>DC_5A-66A_n261(G-I)<br>DC_5A-66A_n261(G-J)<br>DC_5A-66A_n261(H-I)<br>DC_5A-66A-66A_n261(A-J)<br>DC_5A-66A-66A_n261(A-K)<br>DC_5A-66A-66A_n261(A-L)<br>DC_5A-66A-66A_n261(2A-I)<br>DC_5A-66A-66A_n261(A-G-I)<br>DC_5A-66A-66A_n261(G-I)<br>DC_5A-66A-66A_n261(G-J)<br>DC_5A-66A-66A_n261(H-I) | DC_5A_n261I<br>DC_66A_n261I |
| DC_7A-8A_n258A<br>DC_7A-8A_n258D<br>DC_7A-8A_n258E<br>DC_7A-8A_n258F<br>DC_7A-8A_n258G<br>DC_7A-8A_n258H<br>DC_7A-8A_n258I<br>DC_7A-8A_n258J<br>DC_7A-8A_n258K<br>DC_7A-8A_n258L<br>DC_7A-8A_n258M | DC_7A_n258A<br>DC_8A_n258A |
| DC_11A-18A_n257A<br>DC_11A-18A_n257G<br>DC_11A-18A_n257H<br>DC_11A-18A_n257I | DC_11A_n257A<br>DC_11A_n257G<br>DC_11A_n257H<br>DC_11A_n257I<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_13A-66A-66A_n260A<br>DC_13A-66A-66A_n260G<br>DC_13A-66A-66A_n260H<br>DC_13A-66A-66A_n260I<br>DC_13A-66A-66A_n260J<br>DC_13A-66A-66A_n260K<br>DC_13A-66A-66A_n260L<br>DC_13A-66A-66A_n260M | DC_13A_n260A<br>DC_66A_n260A |
| DC_13A-66A_n260A<br>DC_13A-66A_n260G<br>DC_13A-66A_n260H<br>DC_13A-66A_n260I<br>DC_13A-66A_n260J<br>DC_13A-66A_n260K<br>DC_13A-66A_n260L<br>DC_13A-66A_n260M | DC_13A_n260A<br>DC_66A_n260A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_13A-66A_n260(2A)<br>DC_13A-66A_n260(3A)<br>DC_13A-66A_n260(4A)<br>DC_13A-66A_n260(5A)<br>DC_13A-66A_n260(6A)<br>DC_13A-66A_n260(2G)<br>DC_13A-66A_n260(2H)<br>DC_13A-66A_n260(A-G)<br>DC_13A-66A_n260(A-H)<br>DC_13A-66A_n260(A-2G)<br>DC_13A-66A_n260(2A-G)<br>DC_13A-66A_n260(2A-2G)<br>DC_13A-66A_n260(3A-G)<br>DC_13A-66A_n260(G-H)<br>DC_13A-66A-66A_n260(2A)<br>DC_13A-66A-66A_n260(3A)<br>DC_13A-66A-66A_n260(4A)<br>DC_13A-66A-66A_n260(5A)<br>DC_13A-66A-66A_n260(6A)<br>DC_13A-66A-66A_n260(2G)<br>DC_13A-66A-66A_n260(2H)<br>DC_13A-66A-66A_n260(A-G)<br>DC_13A-66A-66A_n260(A-H)<br>DC_13A-66A-66A_n260(A-2G)<br>DC_13A-66A-66A_n260(2A-G)<br>DC_13A-66A-66A_n260(2A-2G)<br>DC_13A-66A-66A_n260(3A-G)<br>DC_13A-66A-66A_n260(G-H) | DC_13A_n260A<br>DC_66A_n260A |
| DC_13A-66A_n260I<br>DC_13A-66A_n260J<br>DC_13A-66A_n260K<br>DC_13A-66A_n260L<br>DC_13A-66A_n260M<br>DC_13A-66A-66A_n260I<br>DC_13A-66A-66A_n260J<br>DC_13A-66A-66A_n260K<br>DC_13A-66A-66A_n260L<br>DC_13A-66A-66A_n260M | DC_13A_n260G<br>DC_66A_n260G |
| DC_13A-66A_n260I<br>DC_13A-66A_n260J<br>DC_13A-66A_n260K<br>DC_13A-66A_n260L<br>DC_13A-66A_n260M<br>DC_13A-66A-66A_n260I<br>DC_13A-66A-66A_n260J<br>DC_13A-66A-66A_n260K<br>DC_13A-66A-66A_n260L<br>DC_13A-66A-66A_n260M | DC_13A_n260H<br>DC_66A_n260H |
| DC_13A-66A_n260I<br>DC_13A-66A_n260J<br>DC_13A-66A_n260K<br>DC_13A-66A_n260L<br>DC_13A-66A_n260M<br>DC_13A-66A-66A_n260I<br>DC_13A-66A-66A_n260J<br>DC_13A-66A-66A_n260K<br>DC_13A-66A-66A_n260L<br>DC_13A-66A-66A_n260M | DC_13A_n260I<br>DC_66A_n260I |
| DC_13A-66A-66A_n261A<br>DC_13A-66A-66A_n261G<br>DC_13A-66A-66A_n261H<br>DC_13A-66A-66A_n261I<br>DC_13A-66A-66A_n261J<br>DC_13A-66A-66A_n261K<br>DC_13A-66A-66A_n261L<br>DC_13A-66A-66A_n261M | DC_13A_n261A<br>DC_66A_n261A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_13A-66A_n261A<br>DC_13A-66A_n261G<br>DC_13A-66A_n261H<br>DC_13A-66A_n261I<br>DC_13A-66A_n261J<br>DC_13A-66A_n261K<br>DC_13A-66A_n261L<br>DC_13A-66A_n261M | DC_13A_n261A<br>DC_66A_n261A |
| DC_13A-66A_n261(2A)<br>DC_13A-66A_n261(3A)<br>DC_13A-66A_n261(4A)<br>DC_13A-66A_n261(2G)<br>DC_13A-66A_n261(2H)<br>DC_13A-66A_n261(A-G)<br>DC_13A-66A_n261(A-H)<br>DC_13A-66A_n261(A-I)<br>DC_13A-66A_n261(A-J)<br>DC_13A-66A_n261(A-K)<br>DC_13A-66A_n261(A-L)<br>DC_13A-66A_n261(A-2G)<br>DC_13A-66A_n261(A-G-H)<br>DC_13A-66A_n261(A-G-I)<br>DC_13A-66A_n261(2A-G)<br>DC_13A-66A_n261(2A-H)<br>DC_13A-66A_n261(2A-I)<br>DC_13A-66A_n261(3A-G)<br>DC_13A-66A_n261(G-H)<br>DC_13A-66A_n261(G-I)<br>DC_13A-66A_n261(G-J)<br>DC_13A-66A_n261(H-I)<br>DC_13A-66A-66A_n261(2A)<br>DC_13A-66A-66A_n261(3A)<br>DC_13A-66A-66A_n261(4A)<br>DC_13A-66A-66A_n261(2G)<br>DC_13A-66A-66A_n261(2H)<br>DC_13A-66A-66A_n261(A-G)<br>DC_13A-66A-66A_n261(A-H)<br>DC_13A-66A-66A_n261(A-I)<br>DC_13A-66A-66A_n261(A-J)<br>DC_13A-66A-66A_n261(A-K)<br>DC_13A-66A-66A_n261(A-L)<br>DC_13A-66A-66A_n261(A-2G)<br>DC_13A-66A-66A_n261(A-G-H)<br>DC_13A-66A-66A_n261(A-G-I)<br>DC_13A-66A-66A_n261(2A-G)<br>DC_13A-66A-66A_n261(2A-H)<br>DC_13A-66A-66A_n261(2A-I)<br>DC_13A-66A-66A_n261(3A-G)<br>DC_13A-66A-66A_n261(G-H)<br>DC_13A-66A-66A_n261(G-I)<br>DC_13A-66A-66A_n261(G-J)<br>DC_13A-66A-66A_n261(H-I) | DC_13A_n261A<br>DC_66A_n261A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_13A-66A_n261I<br>DC_13A-66A_n261J<br>DC_13A-66A_n261K<br>DC_13A-66A_n261L<br>DC_13A-66A_n261M<br>DC_13A-66A-66A_n261I<br>DC_13A-66A-66A_n261J<br>DC_13A-66A-66A_n261K<br>DC_13A-66A-66A_n261L<br>DC_13A-66A-66A_n261M<br>DC_13A-66A_n261(A-G)<br>DC_13A-66A_n261(A-H)<br>DC_13A-66A_n261(A-J)<br>DC_13A-66A_n261(A-L)<br>DC_13A-66A_n261(2A-G)<br>DC_13A-66A_n261(2A-H)<br>DC_13A-66A_n261(3A-G)<br>DC_13A-66A_n261(2G)<br>DC_13A-66A_n261(G-H)<br>DC_13A-66A_n261(G-I)<br>DC_13A-66A_n261(2H)<br>DC_13A-66A_n261(H-I)<br>DC_13A-66A_n261(A-G-I)<br>DC_13A-66A-66A_n261(A-G)<br>DC_13A-66A-66A_n261(A-H)<br>DC_13A-66A-66A_n261(A-J)<br>DC_13A-66A-66A_n261(A-L)<br>DC_13A-66A-66A_n261(2A-G)<br>DC_13A-66A-66A_n261(2A-H)<br>DC_13A-66A-66A_n261(A-G-H)<br>DC_13A-66A-66A_n261(A-G-I)<br>DC_13A-66A-66A_n261(3A-G)<br>DC_13A-66A-66A_n261(2G)<br>DC_13A-66A-66A_n261(G-H)<br>DC_13A-66A-66A_n261(G-I)<br>DC_13A-66A-66A_n261(2H)<br>DC_13A-66A-66A_n261(H-I) | DC_13A_n261G<br>DC_66A_n261G |
| DC_13A-66A_n261I<br>DC_13A-66A_n261J<br>DC_13A-66A_n261K<br>DC_13A-66A_n261L<br>DC_13A-66A_n261M<br>DC_13A-66A-66A_n261I<br>DC_13A-66A-66A_n261J<br>DC_13A-66A-66A_n261K<br>DC_13A-66A-66A_n261L<br>DC_13A-66A-66A_n261M<br>DC_13A-66A_n261(A-H)<br>DC_13A-66A_n261(A-J)<br>DC_13A-66A_n261(A-L)<br>DC_13A-66A_n261(2A-H)<br>DC_13A-66A_n261(G-H)<br>DC_13A-66A_n261(G-I)<br>DC_13A-66A_n261(2H)<br>DC_13A-66A_n261(H-I)<br>DC_13A-66A_n261(A-G-I)<br>DC_13A-66A-66A_n261(A-H)<br>DC_13A-66A-66A_n261(A-J)<br>DC_13A-66A-66A_n261(A-L)<br>DC_13A-66A-66A_n261(2A-H)<br>DC_13A-66A-66A_n261(A-G-H)<br>DC_13A-66A-66A_n261(A-G-I)DC_13A-66A-66A_n261(G-H)<br>DC_13A-66A-66A_n261(G-I)<br>DC_13A-66A-66A_n261(2H)<br>DC_13A-66A-66A_n261(H-I) | DC_13A_n261H<br>DC_66A_n261H |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_13A-66A_n261(A-L)<br>DC_13A-66A_n261(A-G-I)<br>DC_13A-66A-66A_n261(A-L)<br>DC_13A-66A-66A_n261(A-G-I) | DC_13A_n261I<br>DC_66A_n261I |
| DC_8A-11A_n257A<br>DC_8A-11A_n257D | DC_8A_n257A<br>DC_11A_n257A |
| DC_12A-30A_n260A<br>DC_12A-30A_n260G<br>DC_12A-30A_n260H<br>DC_12A-30A_n260I<br>DC_12A-30A_n260J<br>DC_12A-30A_n260K<br>DC_12A-30A_n260L<br>DC_12A-30A_n260M | DC_12A_n260A<br>DC_30A_n260A |
| DC_12A-66A_n260A<br>DC_12A-66A_n260G<br>DC_12A-66A_n260H<br>DC_12A-66A_n260I<br>DC_12A-66A_n260J<br>DC_12A-66A_n260K<br>DC_12A-66A_n260L<br>DC_12A-66A_n260M | DC_12A_n260A<br>DC_66A_n260A |
| DC_12A-66A-66A_n260A<br>DC_12A-66A-66A_n260G<br>DC_12A-66A-66A_n260H<br>DC_12A-66A-66A_n260I<br>DC_12A-66A-66A_n260J<br>DC_12A-66A-66A_n260K<br>DC_12A-66A-66A_n260L<br>DC_12A-66A-66A_n260M | DC_12A_n260A<br>DC_66A_n260A |
| DC_13A-46A_n261A<br>DC_13A-46A_n261I<br>DC_13A-46A_n261M<br>DC_13A-46A_n261(A-H)<br>DC_13A-46A_n261(G-H)<br>DC_13A-46A_n261(2H)<br>DC_13A-46A-46A_n261A<br>DC_13A-46A-46A_n261I<br>DC_13A-46A-46A_n261M<br>DC_13A-46A-46A_n261(A-H)<br>DC_13A-46A-46A_n261(G-H)<br>DC_13A-46A-46A_n261(2H) | DC_13A_n261A |
| DC_13A-46A_n261I<br>DC_13A-46A_n261M<br>DC_13A-46A_n261(A-H)<br>DC_13A-46A_n261(G-H)<br>DC_13A-46A_n261(2H)<br>DC_13A-46A-46A_n261I<br>DC_13A-46A-46A_n261M<br>DC_13A-46A-46A_n261(A-H)<br>DC_13A-46A-46A_n261(G-H)<br>DC_13A-46A-46A_n261(2H) | DC_13A_n261G |
| DC_13A-46A_n261I<br>DC_13A-46A_n261M<br>DC_13A-46A_n261(A-H)<br>DC_13A-46A_n261(G-H)<br>DC_13A-46A_n261(2H)<br>DC_13A-46A-46A_n261I<br>DC_13A-46A-46A_n261M<br>DC_13A-46A-46A_n261(A-H)<br>DC_13A-46A-46A_n261(G-H)<br>DC_13A-46A-46A_n261(2H) | DC_13A_n261H |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_13A-46A_n261I<br>DC_13A-46A_n261M<br>DC_13A-46A-46A_n261I<br>DC_13A-46A-46A_n261M | DC_13A_n261I |
| DC_14A-30A_n260A<br>DC_14A-30A_n260G<br>DC_14A-30A_n260H<br>DC_14A-30A_n260I<br>DC_14A-30A_n260J<br>DC_14A-30A_n260K<br>DC_14A-30A_n260L<br>DC_14A-30A_n260M | DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_30A_n260A<br>DC_30A_n260G<br>DC_30A_n260H<br>DC_30A_n260I<br>DC_30A_n260J<br>DC_30A_n260K<br>DC_30A_n260L<br>DC_30A_n260M |
| DC_14A-66A_n260A<br>DC_14A-66A_n260G<br>DC_14A-66A_n260H<br>DC_14A-66A_n260I<br>DC_14A-66A_n260J<br>DC_14A-66A_n260K<br>DC_14A-66A_n260L<br>DC_14A-66A_n260M<br>DC_14A-66A-66A_n260A<br>DC_14A-66A-66A_n260G<br>DC_14A-66A-66A_n260H<br>DC_14A-66A-66A_n260I<br>DC_14A-66A-66A_n260J<br>DC_14A-66A-66A_n260K<br>DC_14A-66A-66A_n260L<br>DC_14A-66A-66A_n260M | DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |
| DC_13A-66A_n257A[2] | DC_13A_n257A<br>DC_66A_n257A |
| DC_13A-66A_n260A[2] | DC_13A_n260A<br>DC_66A_n260A |
| DC_18A-28A_n257A[2] | DC_18A_n257A<br>DC_28A_n257A |
| DC_18A-42A_n257A<br>DC_18A-42A_n257D<br>DC_18A-42A_n257E<br>DC_18A-42A_n257F<br>DC_18A-42A_n257G<br>DC_18A-42A_n257H<br>DC_18A-42A_n257I<br>DC_18A-42A_n257J<br>DC_18A-42A_n257K<br>DC_18A-42A_n257L<br>DC_18A-42A_n257M<br>DC_18A-42C_n257A<br>DC_18A-42C_n257D<br>DC_18A-42C_n257E<br>DC_18A-42C_n257F<br>DC_18A-42C_n257G<br>DC_18A-42C_n257H<br>DC_18A-42C_n257I<br>DC_18A-42C_n257J<br>DC_18A-42C_n257K<br>DC_18A-42C_n257L<br>DC_18A-42C_n257M | DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_18A-41A_n257A<br>DC_18A-41A_n257G<br>DC_18A-41A_n257H<br>DC_18A-41A_n257I<br>DC_18A-41C_n257A<br>DC_18A-41C_n257G<br>DC_18A-41C_n257H<br>DC_18A-41C_n257I | DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_19A-21A_n257A[2]<br>DC_19A-21A_n257D[2]<br>DC_19A-21A_n257E[2]<br>DC_19A-21A_n257F[2]<br>DC_19A-21A_n257G<br>DC_19A-21A_n257H<br>DC_19A-21A_n257I<br>DC_19A-21A_n257J<br>DC_19A-21A_n257K<br>DC_19A-21A_n257L<br>DC_19A-21A_n257M | DC_19A_n257A<br>DC_19A_n257D<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n257A<br>DC_21A_n257D<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n257J<br>DC_21A_n257K<br>DC_21A_n257L<br>DC_21A_n257M |
| DC_19A-42A_n257A[2]<br>DC_19A-42A_n257D[2]<br>DC_19A-42A_n257E[2]<br>DC_19A-42A_n257F[2]<br>DC_19A-42A_n257G[2]<br>DC_19A-42A_n257H[2]<br>DC_19A-42A_n257I[2]<br>DC_19A-42C_n257A[2]<br>DC_19A-42C_n257G[2]<br>DC_19A-42C_n257H[2]<br>DC_19A-42C_n257I[2]<br>DC_19A-42D_n257D[2]<br>DC_19A-42D_n257E[2]<br>DC_19A-42D_n257F[2] | DC_19A_n257A<br>DC_19A_n257D<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_21A-28A_n257A[2]<br>DC_21A-28A_n257D[2]<br>DC_21A-28A_n257E[2]<br>DC_21A-28A_n257F[2] | DC_21A_n257A<br>DC_21A_n257D<br>DC_28A_n257A<br>DC_28A_n257D |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_21A-42A_n257A[2]<br>DC_21A-42A_n257D[2]<br>DC_21A-42A_n257E[2]<br>DC_21A-42A_n257F[2]<br>DC_21A-42A_n257G<br>DC_21A-42A_n257H<br>DC_21A-42A_n257I<br>DC_21A-42A_n257J<br>DC_21A-42A_n257K<br>DC_21A-42A_n257L<br>DC_21A-42A_n257M<br>DC_21A-42C_n257A[2]<br>DC_21A-42C_n257G<br>DC_21A-42C_n257H<br>DC_21A-42C_n257I<br>DC_21A-42C_n257J<br>DC_21A-42C_n257K<br>DC_21A-42C_n257L<br>DC_21A-42C_n257M<br>DC_21A-42D_n257A<br>DC_21A-42D_n257D<br>DC_21A-42D_n257E<br>DC_21A-42D_n257F<br>DC_21A-42D_n257G<br>DC_21A-42D_n257H<br>DC_21A-42D_n257I<br>DC_21A-42D_n257J<br>DC_21A-42D_n257K<br>DC_21A-42D_n257L<br>DC_21A-42D_n257M<br>DC_21A-42E_n257A<br>DC_21A-42E_n257D<br>DC_21A-42E_n257E<br>DC_21A-42E_n257F<br>DC_21A-42E_n257G<br>DC_21A-42E_n257H<br>DC_21A-42E_n257I<br>DC_21A-42E_n257J<br>DC_21A-42E_n257K<br>DC_21A-42E_n257L<br>DC_21A-42E_n257M | DC_21A_n257A<br>DC_21A_n257D<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n257J<br>DC_21A_n257K<br>DC_21A_n257L<br>DC_21A_n257M<br>DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_28A-41A_n257A<br>DC_28A-41A_n257G<br>DC_28A-41A_n257H<br>DC_28A-41A_n257I<br>DC_28A-41C_n257A<br>DC_28A-41C_n257G<br>DC_28A-41C_n257H<br>DC_28A-41C_n257I | DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_28A-42A_n257A[2]<br>DC_28A-42A_n257D[2]<br>DC_28A-42A_n257G[2]<br>DC_28A-42A_n257H[2]<br>DC_28A-42A_n257I[2]<br>DC_28A-42C_n257A[2]<br>DC_28A-42C_n257D[2]<br>DC_28A-42C_n257G[2]<br>DC_28A-42C_n257H[2]<br>DC_28A-42C_n257I[2] | DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_29A-30A_n260A<br>DC_29A-30A_n260G<br>DC_29A-30A_n260H<br>DC_29A-30A_n260I<br>DC_29A-30A_n260J<br>DC_29A-30A_n260K<br>DC_29A-30A_n260L<br>DC_29A-30A_n260M | DC_30A_n260A |
| DC_30A-66A_n260A<br>DC_30A-66A_n260G<br>DC_30A-66A_n260H<br>DC_30A-66A_n260I<br>DC_30A-66A_n260J<br>DC_30A-66A_n260K<br>DC_30A-66A_n260L<br>DC_30A-66A_n260M | DC_30A_n260A<br>DC_66A_n260A |
| DC_30A-66A-66A_n260A<br>DC_30A-66A-66A_n260G<br>DC_30A-66A-66A_n260H<br>DC_30A-66A-66A_n260I<br>DC_30A-66A-66A_n260J<br>DC_30A-66A-66A_n260K<br>DC_30A-66A-66A_n260L<br>DC_30A-66A-66A_n260M | DC_30A_n260A<br>DC_66A_n260A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_41A-42A_n257A<br>DC_41A-42A_n257D<br>DC_41A-42A_n257E<br>DC_41A-42A_n257F<br>DC_41A-42A_n257G<br>DC_41A-42A_n257H<br>DC_41A-42A_n257I<br>DC_41A-42A_n257J<br>DC_41A-42A_n257K<br>DC_41A-42A_n257L<br>DC_41A-42A_n257M<br>DC_41A-42C_n257A<br>DC_41A-42C_n257D<br>DC_41A-42C_n257E<br>DC_41A-42C_n257F<br>DC_41A-42C_n257G<br>DC_41A-42C_n257H<br>DC_41A-42C_n257I<br>DC_41A-42C_n257J<br>DC_41A-42C_n257K<br>DC_41A-42C_n257L<br>DC_41A-42C_n257M<br>DC_41C-42A_n257A<br>DC_41C-42A_n257D<br>DC_41C-42A_n257E<br>DC_41C-42A_n257F<br>DC_41C-42A_n257G<br>DC_41C-42A_n257H<br>DC_41C-42A_n257I<br>DC_41C-42A_n257J<br>DC_41C-42A_n257K<br>DC_41C-42A_n257L<br>DC_41C-42A_n257M<br>DC_41C-42C_n257A<br>DC_41C-42C_n257D<br>DC_41C-42C_n257E<br>DC_41C-42C_n257F<br>DC_41C-42C_n257G<br>DC_41C-42C_n257H<br>DC_41C-42C_n257I<br>DC_41C-42C_n257J<br>DC_41C-42C_n257K<br>DC_41C-42C_n257L<br>DC_41C-42C_n257M | DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_46A-48A_n260A<br>DC_46C-48A_n260A<br>DC_46D-48A_n260A<br>DC_46A-48C_n260A<br>DC_46A-48D_n260A<br>DC_46C-48C_n260A<br>DC_46C-48D_n260A<br>DC_46D-48C_n260A<br>DC_46D-48D_n260A<br>DC_46A-48A_n260(2A)<br>DC_46C-48A_n260(2A)<br>DC_46D-48A_n260(2A)<br>DC_46A-48C_n260(2A)<br>DC_46A-48D_n260(2A)<br>DC_46C-48C_n260(2A)<br>DC_46C-48D_n260(2A)<br>DC_46D-48C_n260(2A)<br>DC_46D-48D_n260(2A)<br>DC_46A-48A_n260(3A)<br>DC_46C-48A_n260(3A)<br>DC_46D-48A_n260(3A)<br>DC_46A-48C_n260(3A)<br>DC_46A-48D_n260(3A)<br>DC_46C-48C_n260(3A)<br>DC_46C-48D_n260(3A)<br>DC_46D-48C_n260(3A)<br>DC_46D-48D_n260(3A)<br>DC_46A-48A_n260(4A)<br>DC_46C-48A_n260(4A)<br>DC_46D-48A_n260(4A)<br>DC_46A-48C_n260(4A)<br>DC_46A-48D_n260(4A)<br>DC_46C-48C_n260(4A)<br>DC_46C-48D_n260(4A)<br>DC_46D-48C_n260(4A)<br>DC_46D-48D_n260(4A) | DC_48A_n260A<br>DC_48C_n260A |
| DC_46A-48A_n261A<br>DC_46C-48A_n261A<br>DC_46D-48A_n261A<br>DC_46A-48C_n261A<br>DC_46A-48D_n261A<br>DC_46C-48C_n261A<br>DC_46C-48D_n261A<br>DC_46D-48C_n261A<br>DC_46D-48D_n261A<br>DC_46A-48A_n261(2A)<br>DC_46C-48A_n261(2A)<br>DC_46D-48A_n261(2A)<br>DC_46A-48C_n261(2A)<br>DC_46A-48D_n261(2A)<br>DC_46C-48C_n261(2A)<br>DC_46C-48D_n261(2A)<br>DC_46D-48C_n261(2A)<br>DC_46D-48D_n261(2A) | DC_48A_n261A<br>DC_48C_n261A |
| DC_46A-66A_n258A<br>DC_46C-66A_n258A<br>DC_46D-66A_n258A | DC_66A_n258A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_46A-66A_n258(2A)<br>DC_46A-66A_n258(3A)<br>DC_46A-66A_n258(4A)<br>DC_46A-66A_n258(5A)<br>DC_46C-66A_n258(2A)<br>DC_46C-66A_n258(3A)<br>DC_46C-66A_n258(4A)<br>DC_46C-66A_n258(5A)<br>DC_46D-66A_n258(2A)<br>DC_46D-66A_n258(3A)<br>DC_46D-66A_n258(4A)<br>DC_46D-66A_n258(5A) | DC_66A_n258A |
| DC_46A-66A_n260A<br>DC_46C-66A_n260A<br>DC_46D-66A_n260A<br>DC_46E-66A_n260A<br>DC_46A-66A_n260G<br>DC_46C-66A_n260G<br>DC_46D-66A_n260G<br>DC_46E-66A_n260G<br>DC_46A-66A_n260H<br>DC_46C-66A_n260H<br>DC_46D-66A_n260H<br>DC_46E-66A_n260H<br>DC_46A-66A_n260I<br>DC_46C-66A_n260I<br>DC_46D-66A_n260I<br>DC_46E-66A_n260I<br>DC_46A-66A_n260J<br>DC_46C-66A_n260J<br>DC_46D-66A_n260J<br>DC_46E-66A_n260J<br>DC_46A-66A_n260K<br>DC_46C-66A_n260K<br>DC_46D-66A_n260K<br>DC_46E-66A_n260K<br>DC_46A-66A_n260L<br>DC_46C-66A_n260L<br>DC_46D-66A_n260L<br>DC_46E-66A_n260L<br>DC_46A-66A_n260M<br>DC_46C-66A_n260M<br>DC_46D-66A_n260M<br>DC_46E-66A_n260M | DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |
| DC_46A-66A_n260(2A)<br>DC_46C-66A_n260(2A)<br>DC_46D-66A_n260(2A) | DC_66A_n260A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_46A-66A_n261A<br>DC_46A-66A_n261I<br>DC_46A-66A_n261L<br>DC_46A-66A_n261M<br>DC_46C-66A_n261A<br>DC_46D-66A_n261A<br>DC_46A-66A_n261(2A)<br>DC_46C-66A_n261(2A)<br>DC_46D-66A_n261(2A)<br>DC_46A-66A_n261(A-H)<br>DC_46A-66A_n261(A-L)<br>DC_46A-66A_n261(G-H)<br>DC_46A-66A_n261(2H)<br>DC_46A-66A_n261(2A-H)<br>DC_46A-46A-66A_n261A<br>DC_46A-46A-66A_n261I<br>DC_46A-46A-66A_n261L<br>DC_46A-46A-66A_n261M<br>DC_46A-46A-66A_n261(A-H)<br>DC_46A-46A-66A_n261(A-L)<br>DC_46A-46A-66A_n261(G-H)<br>DC_46A-46A-66A_n261(2H)<br>DC_46A-46A-66A_n261(2A-H)<br>DC_46A-46A-46A-66A_n261A<br>DC_46A-46A-46A-66A_n261I<br>DC_46A-46A-46A-66A_n261L<br>DC_46A-46A-46A-66A_n261M<br>DC_46A-46A-46A-66A_n261(A-H)<br>DC_46A-46A-46A-66A_n261(A-L)<br>DC_46A-46A-46A-66A_n261(G-H)<br>DC_46A-46A-46A-66A_n261(2H)<br>DC_46A-46A-46A-66A_n261(2A-H) | DC_66A_n261A |
| DC_46A-66A_n261I<br>DC_46A-66A_n261L<br>DC_46A-66A_n261M<br>DC_46A-66A_n261(A-H)<br>DC_46A-66A_n261(A-L)<br>DC_46A-66A_n261(G-H)<br>DC_46A-66A_n261(2H)<br>DC_46A-66A_n261(2A-H)<br>DC_46A-46A-66A_n261I<br>DC_46A-46A-66A_n261L<br>DC_46A-46A-66A_n261M<br>DC_46A-46A-66A_n261(A-H)<br>DC_46A-46A-66A_n261(A-L)<br>DC_46A-46A-66A_n261(G-H)<br>DC_46A-46A-66A_n261(2H)<br>DC_46A-46A-66A_n261(2A-H)<br>DC_46A-46A-46A-66A_n261I<br>DC_46A-46A-46A-66A_n261L<br>DC_46A-46A-46A-66A_n261M<br>DC_46A-46A-46A-66A_n261(A-H)<br>DC_46A-46A-46A-66A_n261(A-L)<br>DC_46A-46A-46A-66A_n261(G-H)<br>DC_46A-46A-46A-66A_n261(2H)<br>DC_46A-46A-46A-66A_n261(2A-H) | DC_66A_n261G |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_46A-66A_n261I<br>DC_46A-66A_n261L<br>DC_46A-66A_n261M<br>DC_46A-66A_n261(A-H)<br>DC_46A-66A_n261(A-L)<br>DC_46A-66A_n261(G-H)<br>DC_46A-66A_n261(2H)<br>DC_46A-66A_n261(2A-H)<br>DC_46A-46A-66A_n261I<br>DC_46A-46A-66A_n261L<br>DC_46A-46A-66A_n261M<br>DC_46A-46A-66A_n261(A-H)<br>DC_46A-46A-66A_n261(A-L)<br>DC_46A-46A-66A_n261(G-H)<br>DC_46A-46A-66A_n261(2H)<br>DC_46A-46A-66A_n261(2A-H)<br>DC_46A-46A-46A-66A_n261I<br>DC_46A-46A-46A-66A_n261L<br>DC_46A-46A-46A-66A_n261M<br>DC_46A-46A-46A-66A_n261(A-H)<br>DC_46A-46A-46A-66A_n261(A-L)<br>DC_46A-46A-46A-66A_n261(G-H)<br>DC_46A-46A-46A-66A_n261(2H)<br>DC_46A-46A-46A-66A_n261(2A-H) | DC_66A_n261H |
| DC_46A-66A_n261I<br>DC_46A-66A_n261L<br>DC_46A-66A_n261M<br>DC_46A-66A_n261(A-L)<br>DC_46A-46A-66A_n261I<br>DC_46A-46A-66A_n261L<br>DC_46A-46A-66A_n261M<br>DC_46A-46A-66A_n261(A-L)<br>DC_46A-46A-46A-66A_n261I<br>DC_46A-46A-46A-66A_n261L<br>DC_46A-46A-46A-66A_n261M<br>DC_46A-46A-46A-66A_n261(A-L) | DC_66A_n261I |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.<br>NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability | |

### 5.5B.5a.2 Inter-band NE-DC configurations including FR2 (three bands)

**Table 5.5B.5a.2-1: Inter-band NE-DC configurations including FR2 (three bands)**

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n257A_1A-3A<br>DC_n257G_1A-3A<br>DC_n257H_1A-3A<br>DC_n257I_1A-3A<br>DC_n257J_1A-3A<br>DC_n257K_1A-3A<br>DC_n257L_1A-3A<br>DC_n257M_1A-3A<br>DC_n257A_1A-3C<br>DC_n257G_1A-3C<br>DC_n257H_1A-3C<br>DC_n257I_1A-3C<br>DC_n257J_1A-3C<br>DC_n257K_1A-3C<br>DC_n257L_1A-3C<br>DC_n257M_1A-3C | DC_n257A_1A<br>DC_n257A_3A<br>DC_n257G_3A<br>DC_n257H_3A<br>DC_n257I_3A<br>DC_n257J_3A<br>DC_n257K_3A<br>DC_n257L_3A<br>DC_n257M_3A |
| DC_n257A_1A-5A<br>DC_n257G_1A-5A<br>DC_n257H_1A-5A<br>DC_n257I_1A-5A<br>DC_n257J_1A-5A<br>DC_n257K_1A-5A<br>DC_n257L_1A-5A<br>DC_n257M_1A-5A | DC_n257A_1A<br>DC_n257A_5A |
| DC_n257A_1A-7A<br>DC_n257G_1A-7A<br>DC_n257H_1A-7A<br>DC_n257I_1A-7A<br>DC_n257J_1A-7A<br>DC_n257K_1A-7A<br>DC_n257L_1A-7A<br>DC_n257M_1A-7A | DC_n257A_1A<br>DC_n257A_7A |
| DC_n257A_1A-7A-7A<br>DC_n257G_1A-7A-7A<br>DC_n257H_1A-7A-7A<br>DC_n257I_1A-7A-7A<br>DC_n257J_1A-7A-7A<br>DC_n257K_1A-7A-7A<br>DC_n257L_1A-7A-7A<br>DC_n257M_1A-7A-7A | DC_n257A_1A<br>DC_n257A_7A |
| DC_n257A_1A-8A<br>DC_n257G_1A-8A<br>DC_n257H_1A-8A<br>DC_n257I_1A-8A<br>DC_n257J_1A-8A<br>DC_n257K_1A-8A<br>DC_n257L_1A-8A<br>DC_n257M_1A-8A | DC_n257A_1A<br>DC_n257A_8A |
| DC_n257A_3A-5A<br>DC_n257G_3A-5A<br>DC_n257H_3A-5A<br>DC_n257I_3A-5A<br>DC_n257J_3A-5A<br>DC_n257K_3A-5A<br>DC_n257L_3A-5A<br>DC_n257M_3A-5A | DC_n257A_3A<br>DC_n257A_5A |
| DC_n257A_3A-7A<br>DC_n257G_3A-7A<br>DC_n257H_3A-7A<br>DC_n257I_3A-7A<br>DC_n257J_3A-7A<br>DC_n257K_3A-7A<br>DC_n257L_3A-7A<br>DC_n257M_3A-7A | DC_n257A_3A<br>DC_n257A_7A |

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n257A_3A-7A-7A<br>DC_n257G_3A-7A-7A<br>DC_n257H_3A-7A-7A<br>DC_n257I_3A-7A-7A<br>DC_n257J_3A-7A-7A<br>DC_n257K_3A-7A-7A<br>DC_n257L_3A-7A-7A<br>DC_n257M_3A-7A-7A | DC_n257A_3A<br>DC_n257A_7A |
| DC_n257A_3A-8A<br>DC_n257G_3A-8A<br>DC_n257H_3A-8A<br>DC_n257I_3A-8A<br>DC_n257J_3A-8A<br>DC_n257K_3A-8A<br>DC_n257L_3A-8A<br>DC_n257M_3A-8A<br>DC_n257A_3C-8A<br>DC_n257G_3C-8A<br>DC_n257H_3C-8A<br>DC_n257I_3C-8A<br>DC_n257J_3C-8A<br>DC_n257K_3C-8A<br>DC_n257L_3C-8A<br>DC_n257M_3C-8A | DC_n257A_3A<br>DC_n257A_8A |
| DC_n257A_5A-7A<br>DC_n257G_5A-7A<br>DC_n257H_5A-7A<br>DC_n257I_5A-7A<br>DC_n257J_5A-7A<br>DC_n257K_5A-7A<br>DC_n257L_5A-7A<br>DC_n257M_5A-7A | DC_n257A_5A<br>DC_n257A_7A |
| DC_n257A_5A-7A-7A<br>DC_n257G_5A-7A-7A<br>DC_n257H_5A-7A-7A<br>DC_n257I_5A-7A-7A<br>DC_n257J_5A-7A-7A<br>DC_n257K_5A-7A-7A<br>DC_n257L_5A-7A-7A<br>DC_n257M_5A-7A-7A | DC_n257A_5A<br>DC_n257A_7A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the presNEt release of specifications.<br>NOTE 2: Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability | |

### 5.5B.5.3 Inter-band EN-DC configurations including FR2 (four bands)

**Table 5.5B.5.3-1: Inter-band EN-DC configurations including FR2 (four bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-5A_n257A[2]<br>DC_1A-3A-5A_n257D<br>DC_1A-3A-5A_n257E<br>DC_1A-3A-5A_n257F<br>DC_1A-3A-5A_n257G<br>DC_1A-3A-5A_n257H<br>DC_1A-3A-5A_n257I<br>DC_1A-3A-5A_n257J<br>DC_1A-3A-5A_n257K<br>DC_1A-3A-5A_n257L<br>DC_1A-3A-5A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I |
| DC_1A-3A-7A_n257A[2]<br>DC_1A-3A-7A_n257D<br>DC_1A-3A-7A_n257E<br>DC_1A-3A-7A_n257F<br>DC_1A-3A-7A_n257G<br>DC_1A-3A-7A_n257H<br>DC_1A-3A-7A_n257I<br>DC_1A-3A-7A_n257J<br>DC_1A-3A-7A_n257K<br>DC_1A-3A-7A_n257L<br>DC_1A-3A-7A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_1A-3A-7A-7A_n257A<br>DC_1A-3A-7A-7A_n257D<br>DC_1A-3A-7A-7A_n257G<br>DC_1A-3A-7A-7A_n257H<br>DC_1A-3A-7A-7A_n257I | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-8A_n257A<br>DC_1A-3A-8A_n257D<br>DC_1A-3A-8A_n257E<br>DC_1A-3A-8A_n257F<br>DC_1A-3A-8A_n257G<br>DC_1A-3A-8A_n257H<br>DC_1A-3A-8A_n257I<br>DC_1A-3A-8A_n257J<br>DC_1A-3A-8A_n257K<br>DC_1A-3A-8A_n257L<br>DC_1A-3A-8A_n257M<br>DC_1A-3C-8A_n257A<br>DC_1A-3C-8A_n257D<br>DC_1A-3C-8A_n257E<br>DC_1A-3C-8A_n257F<br>DC_1A-3C-8A_n257G<br>DC_1A-3C-8A_n257H<br>DC_1A-3C-8A_n257I<br>DC_1A-3C-8A_n257J<br>DC_1A-3C-8A_n257K<br>DC_1A-3C-8A_n257L<br>DC_1A-3C-8A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_8A_n257A<br>DC_8A_n257D<br>DC_8A_n257G<br>DC_8A_n257H<br>DC_8A_n257I |
| DC_1A-3A-18A_n257A<br>DC_1A-3A-18A_n257D<br>DC_1A-3A-18A_n257E<br>DC_1A-3A-18A_n257F<br>DC_1A-3A-18A_n257G<br>DC_1A-3A-18A_n257H<br>DC_1A-3A-18A_n257I<br>DC_1A-3A-18A_n257J<br>DC_1A-3A-18A_n257K<br>DC_1A-3A-18A_n257L<br>DC_1A-3A-18A_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_1A-3A-19A_n257A[2]<br>DC_1A-3A-19A_n257G<br>DC_1A-3A-19A_n257H<br>DC_1A-3A-19A_n257I<br>DC_1A-3A-19A_n257J<br>DC_1A-3A-19A_n257K<br>DC_1A-3A-19A_n257L<br>DC_1A-3A-19A_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-21A_n257A[2]<br>DC_1A-3A-21A_n257G<br>DC_1A-3A-21A_n257H<br>DC_1A-3A-21A_n257I<br>DC_1A-3A-21A_n257J<br>DC_1A-3A-21A_n257K<br>DC_1A-3A-21A_n257L<br>DC_1A-3A-21A_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_1A-3A-28A_n257A[2]<br>DC_1A-3A-28A_n257G<br>DC_1A-3A-28A_n257H<br>DC_1A-3A-28A_n257I<br>DC_1A-3A-28A_n257J<br>DC_1A-3A-28A_n257K<br>DC_1A-3A-28A_n257L<br>DC_1A-3A-28A_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_1A-3A-41A_n257A<br>DC_1A-3A-41A_n257D<br>DC_1A-3A-41A_n257E<br>DC_1A-3A-41A_n257F<br>DC_1A-3A-41A_n257G<br>DC_1A-3A-41A_n257H<br>DC_1A-3A-41A_n257I<br>DC_1A-3A-41A_n257J<br>DC_1A-3A-41A_n257K<br>DC_1A-3A-41A_n257L<br>DC_1A-3A-41A_n257M<br>DC_1A-3A-41C_n257A<br>DC_1A-3A-41C_n257D<br>DC_1A-3A-41C_n257E<br>DC_1A-3A-41C_n257F<br>DC_1A-3A-41C_n257G<br>DC_1A-3A-41C_n257H<br>DC_1A-3A-41C_n257I<br>DC_1A-3A-41C_n257J<br>DC_1A-3A-41C_n257K<br>DC_1A-3A-41C_n257L<br>DC_1A-3A-41C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-42A_n257A<br>DC_1A-3A-42A_n257G<br>DC_1A-3A-42A_n257H<br>DC_1A-3A-42A_n257I<br>DC_1A-3A-42A_n257J<br>DC_1A-3A-42A_n257K<br>DC_1A-3A-42A_n257L<br>DC_1A-3A-42A_n257M<br>DC_1A-3A-42C_n257A<br>DC_1A-3A-42C_n257D<br>DC_1A-3A-42C_n257E<br>DC_1A-3A-42C_n257F<br>DC_1A-3A-42C_n257G<br>DC_1A-3A-42C_n257H<br>DC_1A-3A-42C_n257I<br>DC_1A-3A-42C_n257J<br>DC_1A-3A-42C_n257K<br>DC_1A-3A-42C_n257L<br>DC_1A-3A-42C_n257M<br>DC_1A-3A-42D_n257A<br>DC_1A-3A-42D_n257G<br>DC_1A-3A-42D_n257H<br>DC_1A-3A-42D_n257I<br>DC_1A-3A-42D_n257J<br>DC_1A-3A-42D_n257K<br>DC_1A-3A-42D_n257L<br>DC_1A-3A-42D_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-5A-7A_n257A[2]<br>DC_1A-5A-7A_n257D<br>DC_1A-5A-7A_n257E<br>DC_1A-5A-7A_n257F<br>DC_1A-5A-7A_n257G<br>DC_1A-5A-7A_n257H<br>DC_1A-5A-7A_n257I<br>DC_1A-5A-7A_n257J<br>DC_1A-5A-7A_n257K<br>DC_1A-5A-7A_n257L<br>DC_1A-5A-7A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_1A-5A-7A-7A_n257A<br>DC_1A-5A-7A-7A_n257D<br>DC_1A-5A-7A-7A_n257E<br>DC_1A-5A-7A-7A_n257F<br>DC_1A-5A-7A-7A_n257G<br>DC_1A-5A-7A-7A_n257H<br>DC_1A-5A-7A-7A_n257I<br>DC_1A-5A-7A-7A_n257J<br>DC_1A-5A-7A-7A_n257K<br>DC_1A-5A-7A-7A_n257L<br>DC_1A-5A-7A-7A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-8A-11A_n257A<br>DC_1A-8A-11A_n257D<br>DC_1A-8A-11A_n257G<br>DC_1A-8A-11A_n257H<br>DC_1A-8A-11A_n257I | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_8A_n257A<br>DC_8A_n257D<br>DC_8A_n257G<br>DC_8A_n257H<br>DC_8A_n257I<br>DC_11A_n257A<br>DC_11A_n257D<br>DC_11A_n257G<br>DC_11A_n257H<br>DC_11A_n257I |
| DC_1A-11A-18A_n257A<br>DC_1A-11A-18A_n257G<br>DC_1A-11A-18A_n257H<br>DC_1A-11A-18A_n257I | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_11A_n257A<br>DC_11A_n257G<br>DC_11A_n257H<br>DC_11A_n257I<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_1A-18A-28A_n257A[2] | DC_1A_n257A<br>DC_18A_n257A<br>DC_28A_n257A |
| DC_1A-18A-41A_n257A<br>DC_1A-18A-41A_n257G<br>DC_1A-18A-41A_n257H<br>DC_1A-18A-41A_n257I<br>DC_1A-18A-41C_n257A<br>DC_1A-18A-41C_n257G<br>DC_1A-18A-41C_n257H<br>DC_1A-18A-41C_n257I | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-18A-42A_n257A<br>DC_1A-18A-42A_n257D<br>DC_1A-18A-42A_n257E<br>DC_1A-18A-42A_n257F<br>DC_1A-18A-42A_n257G<br>DC_1A-18A-42A_n257H<br>DC_1A-18A-42A_n257I<br>DC_1A-18A-42A_n257J<br>DC_1A-18A-42A_n257K<br>DC_1A-18A-42A_n257L<br>DC_1A-18A-42A_n257M<br>DC_1A-18A-42C_n257A<br>DC_1A-18A-42C_n257D<br>DC_1A-18A-42C_n257E<br>DC_1A-18A-42C_n257F<br>DC_1A-18A-42C_n257G<br>DC_1A-18A-42C_n257H<br>DC_1A-18A-42C_n257I<br>DC_1A-18A-42C_n257J<br>DC_1A-18A-42C_n257K<br>DC_1A-18A-42C_n257L<br>DC_1A-18A-42C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-19A-21A_n257A<br>DC_1A-19A-21A_n257D<br>DC_1A-19A-21A_n257E<br>DC_1A-19A-21A_n257F<br>DC_1A-19A-21A_n257G<br>DC_1A-19A-21A_n257H<br>DC_1A-19A-21A_n257I<br>DC_1A-19A-21A_n257J<br>DC_1A-19A-21A_n257K<br>DC_1A-19A-21A_n257L<br>DC_1A-19A-21A_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n257J<br>DC_21A_n257K<br>DC_21A_n257L<br>DC_21A_n257M |
| DC_1A-19A-42A_n257A<br>DC_1A-19A-42C_n257A<br>DC_1A-19A-42C_n257D<br>DC_1A-19A-42C_n257E<br>DC_1A-19A-42C_n257F<br>DC_1A-19A-42A_n257G<br>DC_1A-19A-42A_n257H<br>DC_1A-19A-42A_n257I<br>DC_1A-19A-42A_n257J<br>DC_1A-19A-42A_n257K<br>DC_1A-19A-42A_n257L<br>DC_1A-19A-42A_n257M<br>DC_1A-19A-42C_n257G<br>DC_1A-19A-42C_n257H<br>DC_1A-19A-42C_n257I<br>DC_1A-19A-42C_n257J<br>DC_1A-19A-42C_n257K<br>DC_1A-19A-42C_n257L<br>DC_1A-19A-42C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M<br>DC_19A_n257A<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-21A-28A_n257A[2] | DC_1A_n257A<br>DC_21A_n257A<br>DC_28A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-21A-42A_n257A<br>DC_1A-21A-42A_n257G<br>DC_1A-21A-42A_n257H<br>DC_1A-21A-42A_n257I<br>DC_1A-21A-42A_n257J<br>DC_1A-21A-42A_n257K<br>DC_1A-21A-42A_n257L<br>DC_1A-21A-42A_n257M<br>DC_1A-21A-42C_n257A<br>DC_1A-21A-42C_n257D<br>DC_1A-21A-42C_n257E<br>DC_1A-21A-42C_n257F<br>DC_1A-21A-42C_n257G<br>DC_1A-21A-42C_n257H<br>DC_1A-21A-42C_n257I<br>DC_1A-21A-42C_n257J<br>DC_1A-21A-42C_n257K<br>DC_1A-21A-42C_n257L<br>DC_1A-21A-42C_n257M<br>DC_1A-21A-42D_n257A<br>DC_1A-21A-42D_n257D<br>DC_1A-21A-42D_n257E<br>DC_1A-21A-42D_n257F | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n257J<br>DC_21A_n257K<br>DC_21A_n257L<br>DC_21A_n257M<br>DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-28A-42A_n257A<br>DC_1A-28A-42A_n257D<br>DC_1A-28A-42A_n257G<br>DC_1A-28A-42A_n257H<br>DC_1A-28A-42A_n257I<br>DC_1A-28A-42C_n257A<br>DC_1A-28A-42C_n257D<br>DC_1A-28A-42C_n257G<br>DC_1A-28A-42C_n257H<br>DC_1A-28A-42C_n257I | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-41A-42A_n257A<br>DC_1A-41A-42A_n257D<br>DC_1A-41A-42A_n257E<br>DC_1A-41A-42A_n257F<br>DC_1A-41A-42A_n257G<br>DC_1A-41A-42A_n257H<br>DC_1A-41A-42A_n257I<br>DC_1A-41A-42A_n257J<br>DC_1A-41A-42A_n257K<br>DC_1A-41A-42A_n257L<br>DC_1A-41A-42A_n257M<br>DC_1A-41A-42C_n257A<br>DC_1A-41A-42C_n257D<br>DC_1A-41A-42C_n257E<br>DC_1A-41A-42C_n257F<br>DC_1A-41A-42C_n257G<br>DC_1A-41A-42C_n257H<br>DC_1A-41A-42C_n257I<br>DC_1A-41A-42C_n257J<br>DC_1A-41A-42C_n257K<br>DC_1A-41A-42C_n257L<br>DC_1A-41A-42C_n257M<br>DC_1A-41C-42A_n257A<br>DC_1A-41C-42A_n257D<br>DC_1A-41C-42A_n257E<br>DC_1A-41C-42A_n257F<br>DC_1A-41C-42A_n257G<br>DC_1A-41C-42A_n257H<br>DC_1A-41C-42A_n257I<br>DC_1A-41C-42A_n257J<br>DC_1A-41C-42A_n257K<br>DC_1A-41C-42A_n257L<br>DC_1A-41C-42A_n257M<br>DC_1A-41C-42C_n257A<br>DC_1A-41C-42C_n257D<br>DC_1A-41C-42C_n257E<br>DC_1A-41C-42C_n257F<br>DC_1A-41C-42C_n257G<br>DC_1A-41C-42C_n257H<br>DC_1A-41C-42C_n257I<br>DC_1A-41C-42C_n257J<br>DC_1A-41C-42C_n257K<br>DC_1A-41C-42C_n257L<br>DC_1A-41C-42C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_2A-5A-30A_n260A<br>DC_2A-5A-30A_n260G<br>DC_2A-5A-30A_n260H<br>DC_2A-5A-30A_n260I<br>DC_2A-5A-30A_n260J<br>DC_2A-5A-30A_n260K<br>DC_2A-5A-30A_n260L<br>DC_2A-5A-30A_n260M | DC_2A_n260A<br>DC_5A_n260A<br>DC_30A_n260A |
| DC_2A-2A-5A-30A_n260A | DC_2A_n260A<br>DC_5A_n260A<br>DC_30A_n260A |
| DC_2A-5A-66A_n260A<br>DC_2A-5A-66A_n260G<br>DC_2A-5A-66A_n260H<br>DC_2A-5A-66A_n260I<br>DC_2A-5A-66A_n260J<br>DC_2A-5A-66A_n260K<br>DC_2A-5A-66A_n260L<br>DC_2A-5A-66A_n260M | DC_2A_n260A<br>DC_5A_n260A<br>DC_66A_n260A |
| DC_2A-2A-5A-66A_n260A<br>DC_2A-5A-66A-66A_n260A | DC_2A_n260A<br>DC_5A_n260A<br>DC_66A_n260A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-12A-30A_n260A<br>DC_2A-12A-30A_n260G<br>DC_2A-12A-30A_n260H<br>DC_2A-12A-30A_n260I<br>DC_2A-12A-30A_n260J<br>DC_2A-12A-30A_n260K<br>DC_2A-12A-30A_n260L<br>DC_2A-12A-30A_n260M | DC_2A_n260A<br>DC_12A_n260A<br>DC_30A_n260A |
| DC_2A-2A-12A-30A_n260A | DC_2A_n260A<br>DC_12A_n260A<br>DC_30A_n260A |
| DC_2A-12A-66A_n260A<br>DC_2A-12A-66A_n260G<br>DC_2A-12A-66A_n260H<br>DC_2A-12A-66A_n260I<br>DC_2A-12A-66A_n260J<br>DC_2A-12A-66A_n260K<br>DC_2A-12A-66A_n260L<br>DC_2A-12A-66A_n260M | DC_2A_n260A<br>DC_12A_n260A<br>DC_66A_n260A |
| DC_2A-2A-12A-66A_n260A<br>DC_2A-12A-66A-66A_n260A | DC_2A_n260A<br>DC_12A_n260A<br>DC_66A_n260A |
| DC_2A-13A-66A_n260A<br>DC_2A-13A-66A_n260G<br>DC_2A-13A-66A_n260H<br>DC_2A-13A-66A_n260I<br>DC_2A-13A-66A_n260J<br>DC_2A-13A-66A_n260K<br>DC_2A-13A-66A_n260L<br>DC_2A-13A-66A_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M<br>DC_13A_n260A<br>DC_13A_n260G<br>DC_13A_n260H<br>DC_13A_n260I<br>DC_13A_n260J<br>DC_13A_n260K<br>DC_13A_n260L<br>DC_13A_n260M<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |
| DC_2A-13A-66A_n260(A-G)<br>DC_2A-13A-66A_n260(A-H)<br>DC_2A-13A-66A_n260(A-2G)<br>DC_2A-13A-66A_n260(2A)<br>DC_2A-13A-66A_n260(2A-G)<br>DC_2A-13A-66A_n260(2A-2G)<br>DC_2A-13A-66A_n260(3A)<br>DC_2A-13A-66A_n260(3A-G)<br>DC_2A-13A-66A_n260(4A)<br>DC_2A-13A-66A_n260(5A)<br>DC_2A-13A-66A_n260(6A)<br>DC_2A-13A-66A_n260(G-H)<br>DC_2A-13A-66A_n260(2G)<br>DC_2A-13A-66A_n260(2H) | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_13A_n260A<br>DC_13A_n260G<br>DC_13A_n260H<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-13A-66A_n261A<br>DC_2A-13A-66A_n261G<br>DC_2A-13A-66A_n261H<br>DC_2A-13A-66A_n261I<br>DC_2A-13A-66A_n261J<br>DC_2A-13A-66A_n261K<br>DC_2A-13A-66A_n261L<br>DC_2A-13A-66A_n261M | DC_2A_n261A<br>DC_2A_n261G<br>DC_2A_n261H<br>DC_2A_n261I<br>DC_2A_n261J<br>DC_2A_n261K<br>DC_2A_n261L<br>DC_2A_n261M<br>DC_13A_n261A<br>DC_13A_n261G<br>DC_13A_n261H<br>DC_13A_n261I<br>DC_13A_n261J<br>DC_13A_n261K<br>DC_13A_n261L<br>DC_13A_n261M<br>DC_66A_n261A<br>DC_66A_n261G<br>DC_66A_n261H<br>DC_66A_n261I<br>DC_66A_n261J<br>DC_66A_n261K<br>DC_66A_n261L<br>DC_66A_n261M |
| DC_2A-13A-66A_n261(A-G)<br>DC_2A-13A-66A_n261(A-G-H)<br>DC_2A-13A-66A_n261(A-G-I)<br>DC_2A-13A-66A_n261(A-2G)<br>DC_2A-13A-66A_n261(A-H)<br>DC_2A-13A-66A_n261(A-I)<br>DC_2A-13A-66A_n261(A-J)<br>DC_2A-13A-66A_n261(A-K)<br>DC_2A-13A-66A_n261(2A)<br>DC_2A-13A-66A_n261(2A-G)<br>DC_2A-13A-66A_n261(2A-H)<br>DC_2A-13A-66A_n261(2A-I)<br>DC_2A-13A-66A_n261(3A)<br>DC_2A-13A-66A_n261(3A-G)<br>DC_2A-13A-66A_n261(4A)<br>DC_2A-13A-66A_n261(G-H)<br>DC_2A-13A-66A_n261(G-I)<br>DC_2A-13A-66A_n261(G-J)<br>DC_2A-13A-66A_n261(2G)<br>DC_2A-13A-66A_n261(H-I)<br>DC_2A-13A-66A_n261(2H) | DC_2A_n261A<br>DC_2A_n261G<br>DC_2A_n261H<br>DC_2A_n261I<br>DC_2A_n261J<br>DC_2A_n261K<br>DC_13A_n261A<br>DC_13A_n261G<br>DC_13A_n261H<br>DC_13A_n261I<br>DC_13A_n261J<br>DC_13A_n261K<br>DC_66A_n261A<br>DC_66A_n261G<br>DC_66A_n261H<br>DC_66A_n261I<br>DC_66A_n261J<br>DC_66A_n261K |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-14A-30A_n260A<br>DC_2A-14A-30A_n260G<br>DC_2A-14A-30A_n260H<br>DC_2A-14A-30A_n260I<br>DC_2A-14A-30A_n260J<br>DC_2A-14A-30A_n260K<br>DC_2A-14A-30A_n260L<br>DC_2A-14A-30A_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M<br>DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_30A_n260A<br>DC_30A_n260G<br>DC_30A_n260H<br>DC_30A_n260I<br>DC_30A_n260J<br>DC_30A_n260K<br>DC_30A_n260L<br>DC_30A_n260M |
| DC_2A-14A-66A_n260A<br>DC_2A-14A-66A_n260G<br>DC_2A-14A-66A_n260H<br>DC_2A-14A-66A_n260I<br>DC_2A-14A-66A_n260J<br>DC_2A-14A-66A_n260K<br>DC_2A-14A-66A_n260L<br>DC_2A-14A-66A_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M<br>DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-2A-14A-66A_n260A<br>DC_2A-2A-14A-66A_n260G<br>DC_2A-2A-14A-66A_n260H<br>DC_2A-2A-14A-66A_n260I<br>DC_2A-2A-14A-66A_n260J<br>DC_2A-2A-14A-66A_n260K<br>DC_2A-2A-14A-66A_n260L<br>DC_2A-2A-14A-66A_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M<br>DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |
| DC_2A-14A-66A-66A_n260A<br>DC_2A-14A-66A-66A_n260G<br>DC_2A-14A-66A-66A_n260H<br>DC_2A-14A-66A-66A_n260I<br>DC_2A-14A-66A-66A_n260J<br>DC_2A-14A-66A-66A_n260K<br>DC_2A-14A-66A-66A_n260L<br>DC_2A-14A-66A-66A_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M<br>DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |
| DC_2A-29A-30A_n260A<br>DC_2A-29A-30A_n260G<br>DC_2A-29A-30A_n260H<br>DC_2A-29A-30A_n260I<br>DC_2A-29A-30A_n260J<br>DC_2A-29A-30A_n260K<br>DC_2A-29A-30A_n260L<br>DC_2A-29A-30A_n260M | DC_2A_n260A<br>DC_30A_n260A |
| DC_2A-2A-29A-30A_n260A | DC_2A_n260A<br>DC_30A_n260A |
| DC_2A-30A-66A_n260A<br>DC_2A-30A-66A_n260G<br>DC_2A-30A-66A_n260H<br>DC_2A-30A-66A_n260I<br>DC_2A-30A-66A_n260J<br>DC_2A-30A-66A_n260K<br>DC_2A-30A-66A_n260L<br>DC_2A-30A-66A_n260M | DC_2A_n260A<br>DC_30A_n260A<br>DC_66A_n260A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-30A-66A-66A_n260A | DC_2A_n260A<br>DC_30A_n260A<br>DC_66A_n260A |
| DC_2A-46A-66A_n261A<br>DC_2A-46C-66A_n261A<br>DC_2A-46D-66A_n261A | DC_2A_n261A<br>DC_66A_n261A |
| DC_2A-46A-66A_n261(2A)<br>DC_2A-46C-66A_n261(2A)<br>DC_2A-46D-66A_n261(2A) | DC_2A_n261A<br>DC_66A_n261A |
| DC_3A-5A-7A_n257A[2]<br>DC_3A-5A-7A_n257D<br>DC_3A-5A-7A_n257E<br>DC_3A-5A-7A_n257F<br>DC_3A-5A-7A_n257G<br>DC_3A-5A-7A_n257H<br>DC_3A-5A-7A_n257I<br>DC_3A-5A-7A_n257J<br>DC_3A-5A-7A_n257K<br>DC_3A-5A-7A_n257L<br>DC_3A-5A-7A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_3A-5A-7A-7A_n257A[2]<br>DC_3A-5A-7A-7A_n257D<br>DC_3A-5A-7A-7A_n257E<br>DC_3A-5A-7A-7A_n257F<br>DC_3A-5A-7A-7A_n257G<br>DC_3A-5A-7A-7A_n257H<br>DC_3A-5A-7A-7A_n257I<br>DC_3A-5A-7A-7A_n257J<br>DC_3A-5A-7A-7A_n257K<br>DC_3A-5A-7A-7A_n257L<br>DC_3A-5A-7A-7A_n257M | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_3A-7A-8A_n258A<br>DC_3A-7A-8A_n258G<br>DC_3A-7A-8A_n258H<br>DC_3A-7A-8A_n258I<br>DC_3A-7A-8A_n258J<br>DC_3A-7A-8A_n258K<br>DC_3A-7A-8A_n258L<br>DC_3A-7A-8A_n258M | DC_3A_n258A<br>DC_7A_n258A<br>DC_8A_n258A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-18A-42A_n257A<br>DC_3A-18A-42A_n257D<br>DC_3A-18A-42A_n257E<br>DC_3A-18A-42A_n257F<br>DC_3A-18A-42A_n257G<br>DC_3A-18A-42A_n257H<br>DC_3A-18A-42A_n257I<br>DC_3A-18A-42A_n257J<br>DC_3A-18A-42A_n257K<br>DC_3A-18A-42A_n257L<br>DC_3A-18A-42A_n257M<br>DC_3A-18A-42C_n257A<br>DC_3A-18A-42C_n257D<br>DC_3A-18A-42C_n257E<br>DC_3A-18A-42C_n257F<br>DC_3A-18A-42C_n257G<br>DC_3A-18A-42C_n257H<br>DC_3A-18A-42C_n257I<br>DC_3A-18A-42C_n257J<br>DC_3A-18A-42C_n257K<br>DC_3A-18A-42C_n257L<br>DC_3A-18A-42C_n257M | DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_3A-19A-21A_n257A[2] | DC_3A_n257A<br>DC_19A_n257A<br>DC_21A_n257A |
| DC_3A-19A-42A_n257A<br>DC_3A-19A-42A_n257D<br>DC_3A-19A-42A_n257E<br>DC_3A-19A-42A_n257F<br>DC_3A-19A-42A_n257G<br>DC_3A-19A-42A_n257H<br>DC_3A-19A-42A_n257I<br>DC_3A-19A-42C_n257A<br>DC_3A-19A-42C_n257D<br>DC_3A-19A-42C_n257E<br>DC_3A-19A-42C_n257F<br>DC_3A-19A-42C_n257G<br>DC_3A-19A-42C_n257H<br>DC_3A-19A-42C_n257I<br>DC_3A-19A-42D_n257A<br>DC_3A-19A-42D_n257D<br>DC_3A-19A-42D_n257E<br>DC_3A-19A-42D_n257F | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_19A_n257A<br>DC_19A_n257D<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_3A-21A-42A_n257A<br>DC_3A-21A-42A_n257D<br>DC_3A-21A-42A_n257E<br>DC_3A-21A-42A_n257F<br>DC_3A-21A-42A_n257G<br>DC_3A-21A-42A_n257H<br>DC_3A-21A-42A_n257I<br>DC_3A-21A-42C_n257A<br>DC_3A-21A-42C_n257D<br>DC_3A-21A-42C_n257E<br>DC_3A-21A-42C_n257F<br>DC_3A-21A-42C_n257G<br>DC_3A-21A-42C_n257H<br>DC_3A-21A-42C_n257I<br>DC_3A-21A-42D_n257A<br>DC_3A-21A-42D_n257D<br>DC_3A-21A-42D_n257E<br>DC_3A-21A-42D_n257F | DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_21A_n257A<br>DC_21A_n257D<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-28A-41A_n257A<br>DC_3A-28A-41A_n257G<br>DC_3A-28A-41A_n257H<br>DC_3A-28A-41A_n257I<br>DC_3A-28A-41C_n257A<br>DC_3A-28A-41C_n257G<br>DC_3A-28A-41C_n257H<br>DC_3A-28A-41C_n257I | DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_3A-28A-42A_n257A<br>DC_3A-28A-42A_n257D<br>DC_3A-28A-42A_n257G<br>DC_3A-28A-42A_n257H<br>DC_3A-28A-42A_n257I<br>DC_3A-28A-42C_n257A<br>DC_3A-28A-42C_n257D<br>DC_3A-28A-42C_n257G<br>DC_3A-28A-42C_n257H<br>DC_3A-28A-42C_n257I | DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-41A-42A_n257A<br>DC_3A-41A-42A_n257D<br>DC_3A-41A-42A_n257E<br>DC_3A-41A-42A_n257F<br>DC_3A-41A-42A_n257G<br>DC_3A-41A-42A_n257H<br>DC_3A-41A-42A_n257I<br>DC_3A-41A-42A_n257J<br>DC_3A-41A-42A_n257K<br>DC_3A-41A-42A_n257L<br>DC_3A-41A-42A_n257M<br>DC_3A-41A-42C_n257A<br>DC_3A-41A-42C_n257D<br>DC_3A-41A-42C_n257E<br>DC_3A-41A-42C_n257F<br>DC_3A-41A-42C_n257G<br>DC_3A-41A-42C_n257H<br>DC_3A-41A-42C_n257I<br>DC_3A-41A-42C_n257J<br>DC_3A-41A-42C_n257K<br>DC_3A-41A-42C_n257L<br>DC_3A-41A-42C_n257M<br>DC_3A-41C-42A_n257A<br>DC_3A-41C-42A_n257D<br>DC_3A-41C-42A_n257E<br>DC_3A-41C-42A_n257F<br>DC_3A-41C-42A_n257G<br>DC_3A-41C-42A_n257H<br>DC_3A-41C-42A_n257I<br>DC_3A-41C-42A_n257J<br>DC_3A-41C-42A_n257K<br>DC_3A-41C-42A_n257L<br>DC_3A-41C-42A_n257M<br>DC_3A-41C-42C_n257A<br>DC_3A-41C-42C_n257D<br>DC_3A-41C-42C_n257E<br>DC_3A-41C-42C_n257F<br>DC_3A-41C-42C_n257G<br>DC_3A-41C-42C_n257H<br>DC_3A-41C-42C_n257I<br>DC_3A-41C-42C_n257J<br>DC_3A-41C-42C_n257K<br>DC_3A-41C-42C_n257L<br>DC_3A-41C-42C_n257M | DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_5A-30A-66A_n260A<br>DC_5A-30A-66A_n260G<br>DC_5A-30A-66A_n260H<br>DC_5A-30A-66A_n260I<br>DC_5A-30A-66A_n260J<br>DC_5A-30A-66A_n260K<br>DC_5A-30A-66A_n260L<br>DC_5A-30A-66A_n260M | DC_5A_n260A<br>DC_30A_n260A<br>DC_66A_n260A |
| DC_5A-30A-66A-66A_n260A | DC_5A_n260A<br>DC_30A_n260A<br>DC_66A_n260A |
| DC_12A-30A-66A_n260A<br>DC_12A-30A-66A_n260G<br>DC_12A-30A-66A_n260H<br>DC_12A-30A-66A_n260I<br>DC_12A-30A-66A_n260J<br>DC_12A-30A-66A_n260K<br>DC_12A-30A-66A_n260L<br>DC_12A-30A-66A_n260M | DC_12A_n260A<br>DC_30A_n260A<br>DC_66A_n260A |
| DC_12A-30A-66A-66A_n260A | DC_12A_n260A<br>DC_30A_n260A<br>DC_66A_n260A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_14A-30A-66A_n260A<br>DC_14A-30A-66A_n260G<br>DC_14A-30A-66A_n260H<br>DC_14A-30A-66A_n260I<br>DC_14A-30A-66A_n260J<br>DC_14A-30A-66A_n260K<br>DC_14A-30A-66A_n260L<br>DC_14A-30A-66A_n260M | DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_30A_n260A<br>DC_30A_n260G<br>DC_30A_n260H<br>DC_30A_n260I<br>DC_30A_n260J<br>DC_30A_n260K<br>DC_30A_n260L<br>DC_30A_n260M<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |
| DC_14A-30A-66A-66A_n260A<br>DC_14A-30A-66A-66A_n260G<br>DC_14A-30A-66A-66A_n260H<br>DC_14A-30A-66A-66A_n260I<br>DC_14A-30A-66A-66A_n260J<br>DC_14A-30A-66A-66A_n260K<br>DC_14A-30A-66A-66A_n260L<br>DC_14A-30A-66A-66A_n260M | DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_30A_n260A<br>DC_30A_n260G<br>DC_30A_n260H<br>DC_30A_n260I<br>DC_30A_n260J<br>DC_30A_n260K<br>DC_30A_n260L<br>DC_30A_n260M<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |
| DC_19A-21A-42A_n257A[2]<br>DC_19A-21A-42A_n257D[2]<br>DC_19A-21A-42A_n257E[2]<br>DC_19A-21A-42A_n257F[2]<br>DC_19A-21A-42A_n257G[2]<br>DC_19A-21A-42A_n257H[2]<br>DC_19A-21A-42A_n257I[2]<br>DC_19A-21A-42C_n257A[2]<br>DC_19A-21A-42C_n257D[2]<br>DC_19A-21A-42C_n257E[2]<br>DC_19A-21A-42C_n257F[2]<br>DC_19A-21A-42C_n257G[2]<br>DC_19A-21A-42C_n257H[2]<br>DC_19A-21A-42C_n257I[2] | DC_19A_n257A<br>DC_19A_n257D<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n257A<br>DC_21A_n257D<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257D<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_21A-28A-42A_n257A[2]<br>DC_21A-28A-42C_n257A[2] | DC_21A_n257A<br>DC_28A_n257A<br>DC_42A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_28A-41A-42A_n257A<br>DC_28A-41A-42A_n257G<br>DC_28A-41A-42A_n257H<br>DC_28A-41A-42A_n257I<br>DC_28A-41C-42A_n257A<br>DC_28A-41C-42A_n257G<br>DC_28A-41C-42A_n257H<br>DC_28A-41C-42A_n257I<br>DC_28A-41A-42C_n257A<br>DC_28A-41A-42C_n257G<br>DC_28A-41A-42C_n257H<br>DC_28A-41A-42C_n257I<br>DC_28A-41C-42C_n257A<br>DC_28A-41C-42C_n257G<br>DC_28A-41C-42C_n257H<br>DC_28A-41C-42C_n257I | DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.<br>NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability | |

### 5.5B.5a.3 Inter-band NE-DC configurations including FR2 (four bands)

**Table 5.5B.5a.3-1: Inter-band NE-DC configurations including FR2 (four bands)**

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n257A_1A-3A-5A<br>DC_n257G_1A-3A-5A<br>DC_n257H_1A-3A-5A<br>DC_n257I_1A-3A-5A<br>DC_n257J_1A-3A-5A<br>DC_n257K_1A-3A-5A<br>DC_n257L_1A-3A-5A<br>DC_n257M_1A-3A-5A | DC_n257A_1A<br>DC_n257A_3A<br>DC_n257A_5A |
| DC_n257A_1A-3A-7A<br>DC_n257G_1A-3A-7A<br>DC_n257H_1A-3A-7A<br>DC_n257I_1A-3A-7A<br>DC_n257J_1A-3A-7A<br>DC_n257K_1A-3A-7A<br>DC_n257L_1A-3A-7A<br>DC_n257M_1A-3A-7A | DC_n257A_1A<br>DC_n257A_3A<br>DC_n257A_7A |
| DC_n257A_1A-3A-7A-7A<br>DC_n257G_1A-3A-7A-7A<br>DC_n257H_1A-3A-7A-7A<br>DC_n257I_1A-3A-7A-7A<br>DC_n257J_1A-3A-7A-7A<br>DC_n257K_1A-3A-7A-7A<br>DC_n257L_1A-3A-7A-7A<br>DC_n257M_1A-3A-7A-7A | DC_n257A_1A<br>DC_n257A_3A<br>DC_n257A_7A |
| DC_n257A_1A-3A-8A<br>DC_n257G_1A-3A-8A<br>DC_n257H_1A-3A-8A<br>DC_n257I_1A-3A-8A<br>DC_n257J_1A-3A-8A<br>DC_n257K_1A-3A-8A<br>DC_n257L_1A-3A-8A<br>DC_n257M_1A-3A-8A<br>DC_n257A_1A-3C-8A<br>DC_n257G_1A-3C-8A<br>DC_n257H_1A-3C-8A<br>DC_n257I_1A-3C-8A<br>DC_n257J_1A-3C-8A<br>DC_n257K_1A-3C-8A<br>DC_n257L_1A-3C-8A<br>DC_n257M_1A-3C-8A | DC_n257A_1A<br>DC_n257A_3A<br>DC_n257A_8A |
| DC_n257A_1A-5A-7A<br>DC_n257G_1A-5A-7A<br>DC_n257H_1A-5A-7A<br>DC_n257I_1A-5A-7A<br>DC_n257J_1A-5A-7A<br>DC_n257K_1A-5A-7A<br>DC_n257L_1A-5A-7A<br>DC_n257M_1A-5A-7A | DC_n257A_1A<br>DC_n257A_5A<br>DC_n257A_7A |
| DC_n257A_1A-5A-7A-7A<br>DC_n257G_1A-5A-7A-7A<br>DC_n257H_1A-5A-7A-7A<br>DC_n257I_1A-5A-7A-7A<br>DC_n257J_1A-5A-7A-7A<br>DC_n257K_1A-5A-7A-7A<br>DC_n257L_1A-5A-7A-7A<br>DC_n257M_1A-5A-7A-7A | DC_n257A_1A<br>DC_n257A_5A<br>DC_n257A_7A |
| DC_n257A_3A-5A-7A<br>DC_n257G_3A-5A-7A<br>DC_n257H_3A-5A-7A<br>DC_n257I_3A-5A-7A<br>DC_n257J_3A-5A-7A<br>DC_n257K_3A-5A-7A<br>DC_n257L_3A-5A-7A<br>DC_n257M_3A-5A-7A | DC_n257A_3A<br>DC_n257A_5A<br>DC_n257A_7A |

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n257A_3A-5A-7A-7A<br>DC_n257G_3A-5A-7A-7A<br>DC_n257H_3A-5A-7A-7A<br>DC_n257I_3A-5A-7A-7A<br>DC_n257J_3A-5A-7A-7A<br>DC_n257K_3A-5A-7A-7A<br>DC_n257L_3A-5A-7A-7A<br>DC_n257M_3A-5A-7A-7A | DC_n257A_3A<br>DC_n257A_5A<br>DC_n257A_7A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the presNEt release of specifications.<br>NOTE 2: Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability | |

### 5.5B.5.4 Inter-band EN-DC configurations including FR2 (five bands)

**Table 5.5B.5.4-1: Inter-band EN-DC configurations including FR2 (five bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-5A-7A_n257A<br>DC_1A-3A-5A-7A_n257D<br>DC_1A-3A-5A-7A_n257E<br>DC_1A-3A-5A-7A_n257F<br>DC_1A-3A-5A-7A_n257G<br>DC_1A-3A-5A-7A_n257H<br>DC_1A-3A-5A-7A_n257I<br>DC_1A-3A-5A-7A_n257J<br>DC_1A-3A-5A-7A_n257K<br>DC_1A-3A-5A-7A_n257L<br>DC_1A-3A-5A-7A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_1A-3A-5A-7A-7A_n257A[2]<br>DC_1A-3A-5A-7A-7A_n257D<br>DC_1A-3A-5A-7A-7A_n257E<br>DC_1A-3A-5A-7A-7A_n257F<br>DC_1A-3A-5A-7A-7A_n257G<br>DC_1A-3A-5A-7A-7A_n257H<br>DC_1A-3A-5A-7A-7A_n257I<br>DC_1A-3A-5A-7A-7A_n257J<br>DC_1A-3A-5A-7A-7A_n257K<br>DC_1A-3A-5A-7A-7A_n257L<br>DC_1A-3A-5A-7A-7A_n257M | DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_5A_n257A<br>DC_5A_n257D<br>DC_5A_n257G<br>DC_5A_n257H<br>DC_5A_n257I<br>DC_7A_n257A<br>DC_7A_n257D<br>DC_7A_n257G<br>DC_7A_n257H<br>DC_7A_n257I |
| DC_1A-3A-18A-42A_n257A<br>DC_1A-3A-18A-42A_n257D<br>DC_1A-3A-18A-42A_n257E<br>DC_1A-3A-18A-42A_n257F<br>DC_1A-3A-18A-42A_n257G<br>DC_1A-3A-18A-42A_n257H<br>DC_1A-3A-18A-42A_n257I<br>DC_1A-3A-18A-42A_n257J<br>DC_1A-3A-18A-42A_n257K<br>DC_1A-3A-18A-42A_n257L<br>DC_1A-3A-18A-42A_n257M<br>DC_1A-3A-18A-42C_n257A<br>DC_1A-3A-18A-42C_n257D<br>DC_1A-3A-18A-42C_n257E<br>DC_1A-3A-18A-42C_n257F<br>DC_1A-3A-18A-42C_n257G<br>DC_1A-3A-18A-42C_n257H<br>DC_1A-3A-18A-42C_n257I<br>DC_1A-3A-18A-42C_n257J<br>DC_1A-3A-18A-42C_n257K<br>DC_1A-3A-18A-42C_n257L<br>DC_1A-3A-18A-42C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-3A-19A-21A_n257A[2]<br>DC_1A-3A-19A-21A_n257D[2]<br>DC_1A-3A-19A-21A_n257E[2]<br>DC_1A-3A-19A-21A_n257F[2] | DC_1A_n257A<br>DC_3A_n257A<br>DC_19A_n257A<br>DC_21A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-19A-42A_n257A<br>DC_1A-3A-19A-42A_n257D<br>DC_1A-3A-19A-42A_n257E<br>DC_1A-3A-19A-42A_n257F<br>DC_1A-3A-19A-42A_n257G<br>DC_1A-3A-19A-42A_n257H<br>DC_1A-3A-19A-42A_n257I<br>DC_1A-3A-19A-42A_n257J<br>DC_1A-3A-19A-42A_n257K<br>DC_1A-3A-19A-42A_n257L<br>DC_1A-3A-19A-42A_n257M<br>DC_1A-3A-19A-42C_n257A<br>DC_1A-3A-19A-42C_n257D<br>DC_1A-3A-19A-42C_n257E<br>DC_1A-3A-19A-42C_n257F<br>DC_1A-3A-19A-42C_n257G<br>DC_1A-3A-19A-42C_n257H<br>DC_1A-3A-19A-42C_n257I<br>DC_1A-3A-19A-42C_n257J<br>DC_1A-3A-19A-42C_n257K<br>DC_1A-3A-19A-42C_n257L<br>DC_1A-3A-19A-42C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-3A-21A-42A_n257A<br>DC_1A-3A-21A-42A_n257G<br>DC_1A-3A-21A-42A_n257H<br>DC_1A-3A-21A-42A_n257I<br>DC_1A-3A-21A-42A_n257J<br>DC_1A-3A-21A-42A_n257K<br>DC_1A-3A-21A-42A_n257L<br>DC_1A-3A-21A-42A_n257M<br>DC_1A-3A-21A-42C_n257A<br>DC_1A-3A-21A-42C_n257D<br>DC_1A-3A-21A-42C_n257E<br>DC_1A-3A-21A-42C_n257F<br>DC_1A-3A-21A-42C_n257G<br>DC_1A-3A-21A-42C_n257H<br>DC_1A-3A-21A-42C_n257I<br>DC_1A-3A-21A-42C_n257J<br>DC_1A-3A-21A-42C_n257K<br>DC_1A-3A-21A-42C_n257L<br>DC_1A-3A-21A-42C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-3A-28A-42A_n257A<br>DC_1A-3A-28A-42A_n257G<br>DC_1A-3A-28A-42A_n257H<br>DC_1A-3A-28A-42A_n257I<br>DC_1A-3A-28A-42A_n257J<br>DC_1A-3A-28A-42A_n257K<br>DC_1A-3A-28A-42A_n257L<br>DC_1A-3A-28A-42A_n257M<br>DC_1A-3A-28A-42C_n257A<br>DC_1A-3A-28A-42C_n257G<br>DC_1A-3A-28A-42C_n257H<br>DC_1A-3A-28A-42C_n257I<br>DC_1A-3A-28A-42C_n257J<br>DC_1A-3A-28A-42C_n257K<br>DC_1A-3A-28A-42C_n257L<br>DC_1A-3A-28A-42C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n257J<br>DC_3A_n257K<br>DC_3A_n257L<br>DC_3A_n257M<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-41A-42A_n257A | DC_1A_n257A |
| DC_1A-3A-41A-42A_n257D | DC_1A_n257G |
| DC_1A-3A-41A-42A_n257E | DC_1A_n257H |
| DC_1A-3A-41A-42A_n257F | DC_1A_n257I |
| DC_1A-3A-41A-42A_n257G | DC_3A_n257A |
| DC_1A-3A-41A-42A_n257H | DC_3A_n257G |
| DC_1A-3A-41A-42A_n257I | DC_3A_n257H |
| DC_1A-3A-41A-42A_n257J | DC_3A_n257I |
| DC_1A-3A-41A-42A_n257K | DC_41A_n257A |
| DC_1A-3A-41A-42A_n257L | DC_41A_n257G |
| DC_1A-3A-41A-42A_n257M | DC_41A_n257H |
| DC_1A-3A-41A-42C_n257A | DC_41A_n257I |
| DC_1A-3A-41A-42C_n257D | DC_41C_n257A |
| DC_1A-3A-41A-42C_n257E | DC_41C_n257G |
| DC_1A-3A-41A-42C_n257F | DC_41C_n257H |
| DC_1A-3A-41A-42C_n257G | DC_41C_n257I |
| DC_1A-3A-41A-42C_n257H | DC_42A_n257A |
| DC_1A-3A-41A-42C_n257I | DC_42A_n257G |
| DC_1A-3A-41A-42C_n257J | DC_42A_n257H |
| DC_1A-3A-41A-42C_n257K | DC_42A_n257I |
| DC_1A-3A-41A-42C_n257L | DC_42C_n257A |
| DC_1A-3A-41A-42C_n257M | DC_42C_n257G |
| DC_1A-3A-41C-42A_n257A | DC_42C_n257H |
| DC_1A-3A-41C-42A_n257D | DC_42C_n257I |
| DC_1A-3A-41C-42A_n257E | |
| DC_1A-3A-41C-42A_n257F | |
| DC_1A-3A-41C-42A_n257G | |
| DC_1A-3A-41C-42A_n257H | |
| DC_1A-3A-41C-42A_n257I | |
| DC_1A-3A-41C-42A_n257J | |
| DC_1A-3A-41C-42A_n257K | |
| DC_1A-3A-41C-42A_n257L | |
| DC_1A-3A-41C-42A_n257M | |
| DC_1A-3A-41C-42C_n257A | |
| DC_1A-3A-41C-42C_n257D | |
| DC_1A-3A-41C-42C_n257E | |
| DC_1A-3A-41C-42C_n257F | |
| DC_1A-3A-41C-42C_n257G | |
| DC_1A-3A-41C-42C_n257H | |
| DC_1A-3A-41C-42C_n257I | |
| DC_1A-3A-41C-42C_n257J | |
| DC_1A-3A-41C-42C_n257K | |
| DC_1A-3A-41C-42C_n257L | |
| DC_1A-3A-41C-42C_n257M | |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-19A-21A-42A_n257A<br>DC_1A-19A-21A-42A_n257D<br>DC_1A-19A-21A-42A_n257E<br>DC_1A-19A-21A-42A_n257F<br>DC_1A-19A-21A-42A_n257G<br>DC_1A-19A-21A-42A_n257H<br>DC_1A-19A-21A-42A_n257I<br>DC_1A-19A-21A-42A_n257J<br>DC_1A-19A-21A-42A_n257K<br>DC_1A-19A-21A-42A_n257L<br>DC_1A-19A-21A-42A_n257M<br>DC_1A-19A-21A-42C_n257A<br>DC_1A-19A-21A-42C_n257D<br>DC_1A-19A-21A-42C_n257E<br>DC_1A-19A-21A-42C_n257F<br>DC_1A-19A-21A-42C_n257G<br>DC_1A-19A-21A-42C_n257H<br>DC_1A-19A-21A-42C_n257I<br>DC_1A-19A-21A-42C_n257J<br>DC_1A-19A-21A-42C_n257K<br>DC_1A-19A-21A-42C_n257L<br>DC_1A-19A-21A-42C_n257M | DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n257J<br>DC_1A_n257K<br>DC_1A_n257L<br>DC_1A_n257M<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n257J<br>DC_21A_n257K<br>DC_21A_n257L<br>DC_21A_n257M<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-19A-28A-42C_n257A | DC_1A_n257A<br>DC_19A_n257A<br>DC_28A_n257A<br>DC_42A_n257A |
| DC_1A-21A-28A-42A_n257A | DC_1A_n257A<br>DC_21A_n257A<br>DC_28A_n257A<br>DC_42A_n257A |
| DC_2A-5A-30A-66A_n260A | DC_2A_n260A<br>DC_5A_n260A<br>DC_30A_n260A<br>DC_66A_n260A |
| DC_2A-12A-30A-66A_n260A | DC_2A_n260A<br>DC_12A_n260A<br>DC_30A_n260A<br>DC_66A_n260A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A-14A-30A-66A_n260A<br>DC_2A-14A-30A-66A_n260G<br>DC_2A-14A-30A-66A_n260H<br>DC_2A-14A-30A-66A_n260I<br>DC_2A-14A-30A-66A_n260J<br>DC_2A-14A-30A-66A_n260K<br>DC_2A-14A-30A-66A_n260L<br>DC_2A-14A-30A-66A_n260M | DC_2A_n260A<br>DC_2A_n260G<br>DC_2A_n260H<br>DC_2A_n260I<br>DC_2A_n260J<br>DC_2A_n260K<br>DC_2A_n260L<br>DC_2A_n260M<br>DC_14A_n260A<br>DC_14A_n260G<br>DC_14A_n260H<br>DC_14A_n260I<br>DC_14A_n260J<br>DC_14A_n260K<br>DC_14A_n260L<br>DC_14A_n260M<br>DC_30A_n260A<br>DC_30A_n260G<br>DC_30A_n260H<br>DC_30A_n260I<br>DC_30A_n260J<br>DC_30A_n260K<br>DC_30A_n260L<br>DC_30A_n260M<br>DC_66A_n260A<br>DC_66A_n260G<br>DC_66A_n260H<br>DC_66A_n260I<br>DC_66A_n260J<br>DC_66A_n260K<br>DC_66A_n260L<br>DC_66A_n260M |
| DC_3A-19A-21A-42A_n257A<br>DC_3A-19A-21A-42A_n257D<br>DC_3A-19A-21A-42A_n257E<br>DC_3A-19A-21A-42A_n257F<br>DC_3A-19A-21A-42C_n257A<br>DC_3A-19A-21A-42C_n257D<br>DC_3A-19A-21A-42C_n257E<br>DC_3A-19A-21A-42C_n257F | DC_3A_n257A<br>DC_19A_n257A<br>DC_21A_n257A<br>DC_3A_n257D<br>DC_19A_n257D<br>DC_21A_n257D |
| DC_3A-28A-41A-42A_n257A<br>DC_3A-28A-41A-42A_n257G<br>DC_3A-28A-41A-42A_n257H<br>DC_3A-28A-41A-42A_n257I<br>DC_3A-28A-41A-42C_n257A<br>DC_3A-28A-41A-42C_n257G<br>DC_3A-28A-41A-42C_n257H<br>DC_3A-28A-41A-42C_n257I<br>DC_3A-28A-41C-42A_n257A<br>DC_3A-28A-41C-42A_n257G<br>DC_3A-28A-41C-42A_n257H<br>DC_3A-28A-41C-42A_n257I<br>DC_3A-28A-41C-42C_n257A<br>DC_3A-28A-41C-42C_n257G<br>DC_3A-28A-41C-42C_n257H<br>DC_3A-28A-41C-42C_n257I | DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.<br>NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability | |

#### 5.5B.5.5 Void

### 5.5B.5a Inter-band NE-DC including FR2

#### 5.5B.5a.1 Inter-band NE-DC configurations including FR2 (two bands)

**Table 5.5B.5a.1-1: Inter-band NE-DC configurations including FR2 (two bands)**

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n257A_1A<br>DC_n257G_1A<br>DC_n257H_1A<br>DC_n257I_1A<br>DC_n257J_1A<br>DC_n257K_1A<br>DC_n257L_1A<br>DC_n257M_1A | DC_n257A_1A<br>DC_n257G_1A<br>DC_n257H_1A<br>DC_n257I_1A<br>DC_n257J_1A<br>DC_n257K_1A<br>DC_n257L_1A<br>DC_n257M_1A |
| DC_n257A_3A<br>DC_n257G_3A<br>DC_n257H_3A<br>DC_n257I_3A<br>DC_n257J_3A<br>DC_n257K_3A<br>DC_n257L_3A<br>DC_n257M_3A<br>DC_n257A_3C<br>DC_n257G_3C<br>DC_n257H_3C<br>DC_n257I_3C<br>DC_n257J_3C<br>DC_n257K_3C<br>DC_n257L_3C<br>DC_n257M_3C | DC_n257A_3A<br>DC_n257G_3A<br>DC_n257H_3A<br>DC_n257I_3A<br>DC_n257J_3A<br>DC_n257K_3A<br>DC_n257L_3A<br>DC_n257M_3A<br>DC_n257A_3C<br>DC_n257G_3C<br>DC_n257H_3C<br>DC_n257I_3C<br>DC_n257J_3C<br>DC_n257K_3C<br>DC_n257L_3C<br>DC_n257M_3C |
| DC_n257A_5A<br>DC_n257G_5A<br>DC_n257H_5A<br>DC_n257I_5A<br>DC_n257J_5A<br>DC_n257K_5A<br>DC_n257L_5A<br>DC_n257M_5A | DC_n257A_5A |
| DC_n257A_7A<br>DC_n257G_7A<br>DC_n257H_7A<br>DC_n257I_7A<br>DC_n257J_7A<br>DC_n257K_7A<br>DC_n257L_7A<br>DC_n257M_7A | DC_n257A_7A |
| DC_n257A_7A-7A<br>DC_n257G_7A-7A<br>DC_n257H_7A-7A<br>DC_n257I_7A-7A<br>DC_n257J_7A-7A<br>DC_n257K_7A-7A<br>DC_n257L_7A-7A<br>DC_n257M_7A-7A | DC_n257A_7A |
| DC_n257A_8A<br>DC_n257G_8A<br>DC_n257H_8A<br>DC_n257I_8A<br>DC_n257J_8A<br>DC_n257K_8A<br>DC_n257L_8A<br>DC_n257M_8A | DC_n257A_8A |
| DC_n257A_26A | DC_n257A_26A |

NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications.

NOTE 2: Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability for all of the above combinations

### 5.5B.5a.4 Inter-band NE-DC configurations including FR2 (five bands)

**Table 5.5B.5a.4-1: Inter-band NE-DC configurations including FR2 (five bands)**

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
|---|---|
| DC_n257A_1A-3A-5A-7A<br>DC_n257G_1A-3A-5A-7A<br>DC_n257H_1A-3A-5A-7A<br>DC_n257I_1A-3A-5A-7A<br>DC_n257J_1A-3A-5A-7A<br>DC_n257K_1A-3A-5A-7A<br>DC_n257L_1A-3A-5A-7A<br>DC_n257M_1A-3A-5A-7A | DC_n257A_1A<br>DC_n257A_3A<br>DC_n257A_5A<br>DC_n257A_7A |
| DC_n257A_1A-3A-5A-7A-7A<br>DC_n257G_1A-3A-5A-7A-7A<br>DC_n257H_1A-3A-5A-7A-7A<br>DC_n257I_1A-3A-5A-7A-7A<br>DC_n257J_1A-3A-5A-7A-7A<br>DC_n257K_1A-3A-5A-7A-7A<br>DC_n257L_1A-3A-5A-7A-7A<br>DC_n257M_1A-3A-5A-7A-7A | DC_n257A_1A<br>DC_n257A_3A<br>DC_n257A_5A<br>DC_n257A_7A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications.<br>NOTE 2: Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability | |

## 5.5B.6 Inter-band EN-DC including FR1 and FR2

### 5.5B.6.1 Void

### 5.5B.6.2 Inter-band EN-DC configurations including FR1 and FR2 (three bands)

**Table 5.5B.6.2-1: Inter-band EN-DC configurations including FR1 and FR2 (three bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A_n3A-n257A<br>DC_1A_n3A-n257G<br>DC_1A_n3A-n257H<br>DC_1A_n3A-n257I | DC_1A_n3A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I |
| DC_1A_n28A-n257A<br>DC_1A_n28A-n257G<br>DC_1A_n28A-n257H<br>DC_1A_n28A-n257I | DC_1A_n28A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I |
| DC_1A_n77A-n257A<br>DC_1A_n77A-n257D<br>DC_1A_n77A-n257E<br>DC_1A_n77A-n257F<br>DC_1A_n77A-n257G<br>DC_1A_n77A-n257H<br>DC_1A_n77A-n257I<br>DC_1A_n77C-n257A<br>DC_1A_n77C-n257D<br>DC_1A_n77C-n257E<br>DC_1A_n77C-n257F | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n77A-n257A<br>DC_1A_n77A-n257G<br>DC_1A_n77A-n257H<br>DC_1A_n77A-n257I |
| DC_1A_n77(2A)-n257A<br>DC_1A_n77(2A)-n257D<br>DC_1A_n77(2A)-n257G<br>DC_1A_n77(2A)-n257H<br>DC_1A_n77(2A)-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I |
| DC_1A_n77A-n258A | DC_1A_n77A<br>DC_1A_n258A |
| DC_1A_n78A-n257A<br>DC_1A_n78A-n257D<br>DC_1A_n78A-n257E<br>DC_1A_n78A-n257F<br>DC_1A_n78C-n257A<br>DC_1A_n78C-n257D<br>DC_1A_n78C-n257E<br>DC_1A_n78C-n257F | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n78A-n257A |
| DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_1A_n78A-n257J<br>DC_1A_n78A-n257K<br>DC_1A_n78A-n257L<br>DC_1A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I |
| DC_1A_n78A-n258A | DC_1A_n78A<br>DC_1A_n258A |
| DC_1A_n79A-n257A<br>DC_1A_n79A-n257D<br>DC_1A_n79A-n257E<br>DC_1A_n79A-n257F<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I<br>DC_1A_n79C-n257A<br>DC_1A_n79C-n257D<br>DC_1A_n79C-n257E<br>DC_1A_n79C-n257F<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I | DC_1A_n79A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_1A_n79A-n257A<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I |
| DC_1A_n79A-n258A | DC_1A_n79A<br>DC_1A_n258A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_2A_n12A-n258A | DC_2A_n258A<br>DC_2A_n12A |
| DC_2A_n12A-n260A | DC_2A_n260A<br>DC_2A_n12A |
| DC_2A_n12A-n261A | DC_2A_n261A<br>DC_2A_n12A |
| DC_2A_n41A-n260A<br>DC_2A_n41A-n260(2A)<br>DC_2A_n41A-n260(3A)<br>DC_2A_n41A-n260(4A) | DC_2A_n41A |
| DC_2A_n41A-n261A<br>DC_2A_n41A-n261(2A) | DC_2A_n41A |
| DC_2A_n71A-n261A<br>DC_2A_n71A-n261(2A) | DC_2A_n261A<br>DC_2A_n71A |
| DC_3A_n1A-n257A<br>DC_3A-3A_n1A-n257A<br>DC_3A_n1A-n257D<br>DC_3A_n1A-n257E<br>DC_3A_n1A-n257F<br>DC_3A_n1A-n257G<br>DC_3A_n1A-n257H<br>DC_3A_n1A-n257I<br>DC_3A_n1A-n257J<br>DC_3A_n1A-n257K<br>DC_3A_n1A-n257L<br>DC_3A_n1A-n257M | DC_3A_n1A<br>DC_3A_n257A |
| DC_3A-3A_n1A-n257D<br>DC_3A-3A_n1A-n257E<br>DC_3A-3A_n1A-n257F<br>DC_3A-3A_n1A-n257G<br>DC_3A-3A_n1A-n257H<br>DC_3A-3A_n1A-n257I<br>DC_3A-3A_n1A-n257J<br>DC_3A-3A_n1A-n257K<br>DC_3A-3A_n1A-n257L<br>DC_3A-3A_n1A-n257M | DC_3A_n1A<br>DC_3A_n257A |
| DC_3A_n40A-n258A | DC_3A_n40A<br>DC_3A_n258A |
| DC_3A_n28A-n257A<br>DC_3A_n28A-n257G<br>DC_3A_n28A-n257H<br>DC_3A_n28A-n257I | DC_3A_n28A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I |
| DC_3A_n40A-n258A | DC_3A_n40A<br>DC_3A_n258A |
| DC_3A_n77A-n257A<br>DC_3A_n77A-n257D<br>DC_3A_n77A-n257E<br>DC_3A_n77A-n257F<br>DC_3A_n77A-n257G<br>DC_3A_n77A-n257H<br>DC_3A_n77A-n257I<br>DC_3A_n77C-n257A<br>DC_3A_n77C-n257D<br>DC_3A_n77C-n257E<br>DC_3A_n77C-n257F | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n77A-n257A<br>DC_3A_n77A-n257G<br>DC_3A_n77A-n257H<br>DC_3A_n77A-n257I |
| DC_3A_n77(2A)-n257A<br>DC_3A_n77(2A)-n257D<br>DC_3A_n77(2A)-n257G<br>DC_3A_n77(2A)-n257H<br>DC_3A_n77(2A)-n257I | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A_n77A-n258A | DC_3A_n77A<br>DC_3A_n258A<br>DC_3A_n77A-n258A |
| DC_3A_n78A-n257A<br>DC_3A_n78A-n257D<br>DC_3A_n78A-n257E<br>DC_3A_n78A-n257F<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_3A_n78A-n257J<br>DC_3A_n78A-n257K<br>DC_3A_n78A-n257L<br>DC_3A_n78A-n257M<br>DC_3A_n78C-n257A<br>DC_3A_n78C-n257D<br>DC_3A_n78C-n257E<br>DC_3A_n78C-n257F | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I |
| DC_3C_n78A-n257A<br>DC_3C_n78A-n257D<br>DC_3C_n78A-n257E<br>DC_3C_n78A-n257F<br>DC_3C_n78A-n257G<br>DC_3C_n78A-n257H<br>DC_3C_n78A-n257I<br>DC_3C_n78A-n257J<br>DC_3C_n78A-n257K<br>DC_3C_n78A-n257L<br>DC_3C_n78A-n257M | DC_3A_n78A<br>DC_3A_n257A |
| DC_3A_n78A-n258A | DC_3A_n78A<br>DC_3A_n258A |
| DC_3A-3A_n78A-n257A<br>DC_3A-3A_n78A-n257D<br>DC_3A-3A_n78A-n257E<br>DC_3A-3A_n78A-n257F<br>DC_3A-3A_n78A-n257G<br>DC_3A-3A_n78A-n257H<br>DC_3A-3A_n78A-n257I<br>DC_3A-3A_n78A-n257J<br>DC_3A-3A_n78A-n257K<br>DC_3A-3A_n78A-n257L<br>DC_3A-3A_n78A-n257M | DC_3A_n78A<br>DC_3A_n257A |
| DC_3A_n78A-n258A<br>DC_3A_n78A-n258G<br>DC_3A_n78A-n258H<br>DC_3A_n78A-n258I<br>DC_3A_n78A-n258J<br>DC_3A_n78A-n258K<br>DC_3A_n78A-n258L<br>DC_3A_n78A-n258M | DC_3A_n78A<br>DC_3A_n258A |
| DC_3A_n79A-n257A<br>DC_3A_n79A-n257D<br>DC_3A_n79A-n257E<br>DC_3A_n79A-n257F<br>DC_3A_n79A-n257G<br>DC_3A_n79A-n257H<br>DC_3A_n79A-n257I<br>DC_3A_n79C-n257A<br>DC_3A_n79C-n257D<br>DC_3A_n79C-n257E<br>DC_3A_n79C-n257F | DC_3A_n79A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_3A_n79A-n257A<br>DC_3A_n79A-n257G<br>DC_3A_n79A-n257H<br>DC_3A_n79A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A_n79A-n258A<br>DC_3A_n79A-n258D<br>DC_3A_n79A-n258E<br>DC_3A_n79A-n258F<br>DC_3A_n79A-n258G<br>DC_3A_n79A-n258H<br>DC_3A_n79A-n258I<br>DC_3A_n79A-n258J<br>DC_3A_n79A-n258K<br>DC_3A_n79A-n258L | DC_3A_n79A<br>DC_3A_n258A<br>DC_3A_n79A-n258A |
| DC_5A_n78A-n257A[2]<br>DC_5A_n78A-n257D<br>DC_5A_n78A-n257E<br>DC_5A_n78A-n257F<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_5A_n78A-n257J<br>DC_5A_n78A-n257K<br>DC_5A_n78A-n257L<br>DC_5A_n78A-n257M | DC_5A_n78A<br>DC_5A_n257A |
| DC_7A_n1A-n257A<br>DC_7A_n1A-n257D<br>DC_7A_n1A-n257E<br>DC_7A_n1A-n257F<br>DC_7A_n1A-n257G<br>DC_7A_n1A-n257H<br>DC_7A_n1A-n257I<br>DC_7A_n1A-n257J<br>DC_7A_n1A-n257K<br>DC_7A_n1A-n257L<br>DC_7A_n1A-n257M | DC_7A_n1A<br>DC_7A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_7A-7A_n1A-n257A<br>DC_7A-7A_n1A-n257D<br>DC_7A-7A_n1A-n257E<br>DC_7A-7A_n1A-n257F<br>DC_7A-7A_n1A-n257G<br>DC_7A-7A_n1A-n257H<br>DC_7A-7A_n1A-n257I<br>DC_7A-7A_n1A-n257J<br>DC_7A-7A_n1A-n257K<br>DC_7A-7A_n1A-n257L<br>DC_7A-7A_n1A-n257M | DC_7A_n1A<br>DC_7A_n257A |
| DC_7A_n78A-n257A<br>DC_7A_n78A-n257D<br>DC_7A_n78A-n257E<br>DC_7A_n78A-n257F<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I<br>DC_7A_n78A-n257J<br>DC_7A_n78A-n257K<br>DC_7A_n78A-n257L<br>DC_7A_n78A-n257M | DC_7A_n78A<br>DC_7A_n257A |
| DC_7A-7A_n78A-n257A<br>DC_7A-7A_n78A-n257D<br>DC_7A-7A_n78A-n257E<br>DC_7A-7A_n78A-n257F<br>DC_7A-7A_n78A-n257G<br>DC_7A-7A_n78A-n257H<br>DC_7A-7A_n78A-n257I<br>DC_7A-7A_n78A-n257J<br>DC_7A-7A_n78A-n257K<br>DC_7A-7A_n78A-n257L<br>DC_7A-7A_n78A-n257M | DC_7A_n78A<br>DC_7A_n257A<br>DC_7A_n78A-n257A |
| DC_7A_n78A-n258A<br>DC_7A_n78A-n258G<br>DC_7A_n78A-n258H<br>DC_7A_n78A-n258I<br>DC_7A_n78A-n258J<br>DC_7A_n78A-n258K<br>DC_7A_n78A-n258L<br>DC_7A_n78A-n258M<br>DC_7C_n78A-n258A<br>DC_7C_n78A-n258G<br>DC_7C_n78A-n258H<br>DC_7C_n78A-n258I<br>DC_7C_n78A-n258J<br>DC_7C_n78A-n258K<br>DC_7C_n78A-n258L<br>DC_7C_n78A-n258M | DC_7A_n78A<br>DC_7A_n258A<br>DC_7C_n78A<br>DC_7C_n258A |
| DC_8A_n40A-n258A<br>DC_8A_n40A-n258D<br>DC_8A_n40A-n258E<br>DC_8A_n40A-n258F<br>DC_8A_n40A-n258G<br>DC_8A_n40A-n258H<br>DC_8A_n40A-n258I<br>DC_8A_n40A-n258J<br>DC_8A_n40A-n258K<br>DC_8A_n40A-n258L<br>DC_8A_n40A-n258M | DC_8A_n40A<br>DC_8A_n258A |
| DC_8A_n77A-n257A<br>DC_8A_n77A-n257D<br>DC_8A_n77A-n257G<br>DC_8A_n77A-n257H<br>DC_8A_n77A-n257I | DC_8A_n77A<br>DC_8A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_8A_n77(2A)-n257A<br>DC_8A_n77(2A)-n257D<br>DC_8A_n77(2A)-n257G<br>DC_8A_n77(2A)-n257H<br>DC_8A_n77(2A)-n257I | DC_8A_n77A<br>DC_8A_n257A |
| DC_11A_n77A-n257A<br>DC_11A_n77A-n257D<br>DC_11A_n77A-n257G<br>DC_11A_n77A-n257H<br>DC_11A_n77A-n257I | DC_11A_n77A<br>DC_11A_n257A |
| DC_11A_n77(2A)-n257A<br>DC_11A_n77(2A)-n257D<br>DC_11A_n77(2A)-n257G<br>DC_11A_n77(2A)-n257H<br>DC_11A_n77(2A)-n257I | DC_11A_n77A<br>DC_11A_n257A |
| DC_19A_n77A-n257A<br>DC_19A_n77A-n257D<br>DC_19A_n77A-n257E<br>DC_19A_n77A-n257F<br>DC_19A_n77A-n257G<br>DC_19A_n77A-n257H<br>DC_19A_n77A-n257I<br>DC_19A_n77C-n257A<br>DC_19A_n77C-n257D<br>DC_19A_n77C-n257E<br>DC_19A_n77C-n257F | DC_19A_n77A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_19A_n77A-n257A<br>DC_19A_n77A-n257G<br>DC_19A_n77A-n257H<br>DC_19A_n77A-n257I |
| DC_19A_n78A-n257A<br>DC_19A_n78A-n257D<br>DC_19A_n78A-n257E<br>DC_19A_n78A-n257F<br>DC_19A_n78A-n257G<br>DC_19A_n78A-n257H<br>DC_19A_n78A-n257I<br>DC_19A_n78C-n257A<br>DC_19A_n78C-n257D<br>DC_19A_n78C-n257E<br>DC_19A_n78C-n257F | DC_19A_n78A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_19A_n78A-n257A<br>DC_19A_n78A-n257G<br>DC_19A_n78A-n257H<br>DC_19A_n78A-n257I |
| DC_19A_n79A-n257A<br>DC_19A_n79A-n257D<br>DC_19A_n79A-n257E<br>DC_19A_n79A-n257F<br>DC_19A_n79A-n257G<br>DC_19A_n79A-n257H<br>DC_19A_n79A-n257I<br>DC_19A_n79C-n257A<br>DC_19A_n79C-n257D<br>DC_19A_n79C-n257E<br>DC_19A_n79C-n257F | DC_19A_n79A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_19A_n79A-n257A<br>DC_19A_n79A-n257G<br>DC_19A_n79A-n257H<br>DC_19A_n79A-n257I |
| DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I | DC_21A_n77A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_8A_n78A-n257A<br>DC_8A_n78A-n257D<br>DC_8A_n78A-n257E<br>DC_8A_n78A-n257F<br>DC_8A_n78A-n257G<br>DC_8A_n78A-n257H<br>DC_8A_n78A-n257I<br>DC_8A_n78A-n257J<br>DC_8A_n78A-n257K<br>DC_8A_n78A-n257L<br>DC_8A_n78A-n257M | DC_8A_n78A<br>DC_8A_n257A |
| DC_8A_n78A-n258A<br>DC_8A_n78A-n258D<br>DC_8A_n78A-n258E<br>DC_8A_n78A-n258F<br>DC_8A_n78A-n258G<br>DC_8A_n78A-n258H<br>DC_8A_n78A-n258I<br>DC_8A_n78A-n258J<br>DC_8A_n78A-n258K<br>DC_8A_n78A-n258L<br>DC_8A_n78A-n258M | DC_8A_n78A<br>DC_8A_n258A |
| DC_18A_n3A-n257A<br>DC_18A_n3A-n257G<br>DC_18A_n3A-n257H<br>DC_18A_n3A-n257I | DC_18A_n3A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_18A_n78A-n257A<br>DC_18A_n78A-n257G<br>DC_18A_n78A-n257H<br>DC_18A_n78A-n257I | DC_18A_n78A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I | DC_21A_n78A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I |
| DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I | DC_21A_n79A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I |
| DC_28A_n3A-n257A<br>DC_28A_n3A-n257G<br>DC_28A_n3A-n257H<br>DC_28A_n3A-n257I | DC_28A_n3A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_28A_n77A-n257A<br>DC_28A_n77A-n257D<br>DC_28A_n77A-n257G<br>DC_28A_n77A-n257H<br>DC_28A_n77A-n257I | DC_28A_n77A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_28A_n77(2A)-n257A<br>DC_28A_n77(2A)-n257D<br>DC_28A_n77(2A)-n257G<br>DC_28A_n77(2A)-n257H<br>DC_28A_n77(2A)-n257I | DC_28A_n77A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_28A_n78A-n257A<br>DC_28A_n78A-n257G<br>DC_28A_n78A-n257H<br>DC_28A_n78A-n257I | DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_28A_n8A-n258A | DC_28A_n8A<br>DC_28A_n258A |
| DC_28A_n78A-n258A<br>DC_28A_n78A-n258G<br>DC_28A_n78A-n258H<br>DC_28A_n78A-n258I<br>DC_28A_n78A-n258J<br>DC_28A_n78A-n258K<br>DC_28A_n78A-n258L<br>DC_28A_n78A-n258M | DC_28A_n78A<br>DC_28A_n258A |
| DC_40A_n41A-n258A<br>DC_40A_n41C-n258A | DC_40A_n41A<br>DC_40A_n258A |
| DC_40A_n79A-n258A<br>DC_40A_n79C-n258A | DC_40A_n79A<br>DC_40A_n258A |
| DC_41A_n3A-n257A<br>DC_41A_n3A-n257G<br>DC_41A_n3A-n257H<br>DC_41A_n3A-n257I<br>DC_41C_n3A-n257A<br>DC_41C_n3A-n257G<br>DC_41C_n3A-n257H<br>DC_41C_n3A-n257I | DC_41A_n3A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n3A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_41A_n28A-n257A<br>DC_41A_n28A-n257G<br>DC_41A_n28A-n257H<br>DC_41A_n28A-n257I<br>DC_41C_n28A-n257A<br>DC_41C_n28A-n257G<br>DC_41C_n28A-n257H<br>DC_41C_n28A-n257I | DC_41A_n28A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n28A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_41A_n77A-n257A<br>DC_41A_n77A-n257G<br>DC_41A_n77A-n257H<br>DC_41A_n77A-n257I<br>DC_41C_n77A-n257A<br>DC_41C_n77A-n257G<br>DC_41C_n77A-n257H<br>DC_41C_n77A-n257I | DC_41A_n77A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n77A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_41A_n78A-n257A<br>DC_41A_n78A-n257G<br>DC_41A_n78A-n257H<br>DC_41A_n78A-n257I<br>DC_41C_n78A-n257A<br>DC_41C_n78A-n257G<br>DC_41C_n78A-n257H<br>DC_41C_n78A-n257I | DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_41A_n79A-n258A | DC_41A_n79A-n258A |
| DC_41A_n79A-n258A<br>DC_41A_n79C-n258A | DC_41A_n79A<br>DC_41A_n258A |
| DC_42A_n77A-n257A<br>DC_42A_n77A-n257G<br>DC_42A_n77A-n257H<br>DC_42A_n77A-n257I<br>DC_42C_n77A-n257A<br>DC_42C_n77A-n257G<br>DC_42C_n77A-n257H<br>DC_42C_n77A-n257I | DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_42A_n78A-n257A<br>DC_42A_n78A-n257G<br>DC_42A_n78A-n257H<br>DC_42A_n78A-n257I<br>DC_42C_n78A-n257A<br>DC_42C_n78A-n257G<br>DC_42C_n78A-n257H<br>DC_42C_n78A-n257I | DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_42A_n79A-n257A<br>DC_42A_n79A-n257G<br>DC_42A_n79A-n257H<br>DC_42A_n79A-n257I<br>DC_42C_n79A-n257A<br>DC_42C_n79A-n257G<br>DC_42C_n79A-n257H<br>DC_42C_n79A-n257I | DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_66A_n5A-n260A<br>DC_66A_n5A-n260G<br>DC_66A_n5A-n260H<br>DC_66A_n5A-n260I<br>DC_66A_n5A-n260J<br>DC_66A_n5A-n260K<br>DC_66A_n5A-n260L<br>DC_66A_n5A-n260M | DC_66A_n5A<br>DC_66A_n260A<br>DC_66A_n5A-n260A |
| DC_66A_n12A-n258A | DC_66A_n258A<br>DC_66A_n12A |
| DC_66A_n12A-n260A | DC_66A_n260A<br>DC_66A_n12A |
| DC_66A_n12A-n261A | DC_66A_n261A<br>DC_66A_n12A |
| DC_66A_n5A-n260(2A)<br>DC_66A_n5A-n260(3A)<br>DC_66A_n5A-n260(4A)<br>DC_66A_n5A-n260(5A)<br>DC_66A_n5A-n260(6A)<br>DC_66A_n5A-n260(2H)<br>DC_66A_n5A-n260(2G)<br>DC_66A_n5A-n260(A-2G)<br>DC_66A_n5A-n260(A-H)<br>DC_66A_n5A-n260(A-G)<br>DC_66A_n5A-n260(G-H)<br>DC_66A_n5A-n260(2A-G)<br>DC_66A_n5A-n260(2A-2G)<br>DC_66A_n5A-n260(3A-G) | DC_66A_n5A-n260A |
| DC_66A_n5A-n261A<br>DC_66A_n5A-n261G<br>DC_66A_n5A-n261H<br>DC_66A_n5A-n261I<br>DC_66A_n5A-n261J<br>DC_66A_n5A-n261K<br>DC_66A_n5A-n261L<br>DC_66A_n5A-n261M | DC_66A_n5A-n261A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_66A_n5A-n261A<br>DC_66A_n5A-n261G<br>DC_66A_n5A-n261H<br>DC_66A_n5A-n261I<br>DC_66A_n5A-n261J<br>DC_66A_n5A-n261K<br>DC_66A_n5A-n261L<br>DC_66A_n5A-n261M | DC_66A_n5A-n261A |
| DC_66A_n5A-n261(2A)<br>DC_66A_n5A-n261(3A)<br>DC_66A_n5A-n261(2G)<br>DC_66A_n5A-n261(2H)<br>DC_66A_n5A-n261(A-G)<br>DC_66A_n5A-n261(A-H)<br>DC_66A_n5A-n261(A-I)<br>DC_66A_n5A-n261(A-J)<br>DC_66A_n5A-n261(A-K)<br>DC_66A_n5A-n261(G-H)<br>DC_66A_n5A-n261(G-I)<br>DC_66A_n5A-n261(G-J)<br>DC_66A_n5A-n261(H-I)<br>DC_66A_n5A-n261(A-2G)<br>DC_66A_n5A-n261(A-G-H)<br>DC_66A_n5A-n261(A-G-I)<br>DC_66A_n5A-n261(2A-G)<br>DC_66A_n5A-n261(2A-H)<br>DC_66A_n5A-n261(2A-I)<br>DC_66A_n5A-n261(3A-G) | DC_66A_n5A-n261A |
| DC_66A_n5A-n261(2A)<br>DC_66A_n5A-n261(3A)<br>DC_66A_n5A-n261(2G)<br>DC_66A_n5A-n261(2H)<br>DC_66A_n5A-n261(A-G)<br>DC_66A_n5A-n261(A-H)<br>DC_66A_n5A-n261(A-I)<br>DC_66A_n5A-n261(A-J)<br>DC_66A_n5A-n261(A-K)<br>DC_66A_n5A-n261(G-H)<br>DC_66A_n5A-n261(G-I)<br>DC_66A_n5A-n261(G-J)<br>DC_66A_n5A-n261(H-I)<br>DC_66A_n5A-n261(A-2G)<br>DC_66A_n5A-n261(A-G-H)<br>DC_66A_n5A-n261(A-G-I)<br>DC_66A_n5A-n261(2A-G)<br>DC_66A_n5A-n261(2A-H)<br>DC_66A_n5A-n261(2A-I)<br>DC_66A_n5A-n261(3A-G) | DC_66A_n5A-n261A |
| DC_66A_n41A-n260A<br>DC_66A_n41A-n260(2A)<br>DC_66A_n41A-n260(3A)<br>DC_66A_n41A-n260(4A) | DC_66A_n41A |
| DC_66A_n41A-n261A<br>DC_66A_n41A-n261(2A) | DC_66A_n41A |
| DC_66A_n71A-n260A<br>DC_66A_n71A-n260(2A) | DC_66A_n71A<br>DC_66A_n260A |
| DC_66A_n71A-n261A<br>DC_66A_n71A-n261(2A) | DC_66A_n71A<br>DC_66A_n261A |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.<br>NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability | |

### 5.5B.6.3 Inter-band EN-DC configurations including FR1 and FR2 (four bands)

**Table 5.5B.6.3-1: Inter-band EN-DC configurations including FR1 and FR2 (four bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A_n28A-n257A<br>DC_1A-3A_n28A-n257G<br>DC_1A-3A_n28A-n257H<br>DC_1A-3A_n28A-n257I | DC_1A_n28A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n28A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I |
| DC_1A-3A_n77A-n257A | DC_1A_n77A<br>DC_3A_n77A<br>DC_1A_n257A<br>DC_3A_n257A |
| DC_1A-3A_n77A-n257D | DC_1A_n77A<br>DC_3A_n77A<br>DC_1A_n257A<br>DC_1A_n257D<br>DC_3A_n257A<br>DC_3A_n257D |
| DC_1A-3A_n77A-n257G | DC_1A_n77A<br>DC_3A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_1A_n77A-n257A<br>DC_1A_n77A-n257G<br>DC_3A_n77A-n257A<br>DC_3A_n77A-n257G |
| DC_1A-3A_n77A-n257H | DC_1A_n77A<br>DC_3A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_1A_n77A-n257A<br>DC_1A_n77A-n257G<br>DC_1A_n77A-n257H<br>DC_3A_n77A-n257A<br>DC_3A_n77A-n257G<br>DC_3A_n77A-n257H |
| DC_1A-3A_n77A-n257I | DC_1A_n77A<br>DC_3A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_1A_n77A-n257A<br>DC_1A_n77A-n257G<br>DC_1A_n77A-n257H<br>DC_1A_n77A-n257I<br>DC_3A_n77A-n257A<br>DC_3A_n77A-n257G<br>DC_3A_n77A-n257H<br>DC_3A_n77A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A_n78A-n257A<br>DC_1A-3A_n78A-n257D<br>DC_1A-3A_n78A-n257E<br>DC_1A-3A_n78A-n257F<br>DC_1A-3A_n78A-n257G<br>DC_1A-3A_n78A-n257H<br>DC_1A-3A_n78A-n257I<br>DC_1A-3A_n78A-n257J<br>DC_1A-3A_n78A-n257K<br>DC_1A-3A_n78A-n257L<br>DC_1A-3A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257D<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I |
| DC_1A-3A_n78C-n257A<br>DC_1A-3A_n78C-n257D<br>DC_1A-3A_n78C-n257E<br>DC_1A-3A_n78C-n257F<br>DC_1A-3A_n78C-n257G<br>DC_1A-3A_n78C-n257H<br>DC_1A-3A_n78C-n257I<br>DC_1A-3A_n78C-n257J<br>DC_1A-3A_n78C-n257K<br>DC_1A-3A_n78C-n257L<br>DC_1A-3A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I |
| DC_1A-3A_n79A-n257A<br>DC_1A-3A_n79A-n257G<br>DC_1A-3A_n79A-n257H<br>DC_1A-3A_n79A-n257I | DC_1A_n79A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n79A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I |
| DC_1A-3A_n79A-n257A<br>DC_1A-3A_n79A-n257G<br>DC_1A-3A_n79A-n257H<br>DC_1A-3A_n79A-n257I | DC_1A_n79A-n257A<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I<br>DC_3A_n79A-n257A<br>DC_3A_n79A-n257G<br>DC_3A_n79A-n257H<br>DC_3A_n79A-n257I |
| DC_1A-5A_n78A-n257A<br>DC_1A-5A_n78A-n257D<br>DC_1A-5A_n78A-n257E<br>DC_1A-5A_n78A-n257F<br>DC_1A-5A_n78A-n257G<br>DC_1A-5A_n78A-n257H<br>DC_1A-5A_n78A-n257I<br>DC_1A-5A_n78A-n257J<br>DC_1A-5A_n78A-n257K<br>DC_1A-5A_n78A-n257L<br>DC_1A-5A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_5A_n78A<br>DC_5A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-5A_n78C-n257A<br>DC_1A-5A_n78C-n257D<br>DC_1A-5A_n78C-n257E<br>DC_1A-5A_n78C-n257F<br>DC_1A-5A_n78C-n257G<br>DC_1A-5A_n78C-n257H<br>DC_1A-5A_n78C-n257I<br>DC_1A-5A_n78C-n257J<br>DC_1A-5A_n78C-n257K<br>DC_1A-5A_n78C-n257L<br>DC_1A-5A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I |
| DC_1A-7A_n78A-n257A<br>DC_1A-7A_n78A-n257D<br>DC_1A-7A_n78A-n257E<br>DC_1A-7A_n78A-n257F<br>DC_1A-7A_n78A-n257G<br>DC_1A-7A_n78A-n257H<br>DC_1A-7A_n78A-n257I<br>DC_1A-7A_n78A-n257J<br>DC_1A-7A_n78A-n257K<br>DC_1A-7A_n78A-n257L<br>DC_1A-7A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-7A_n78C-n257A<br>DC_1A-7A_n78C-n257D<br>DC_1A-7A_n78C-n257E<br>DC_1A-7A_n78C-n257F<br>DC_1A-7A_n78C-n257G<br>DC_1A-7A_n78C-n257H<br>DC_1A-7A_n78C-n257I<br>DC_1A-7A_n78C-n257J<br>DC_1A-7A_n78C-n257K<br>DC_1A-7A_n78C-n257L<br>DC_1A-7A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-7A-7A_n78A-n257A<br>DC_1A-7A-7A_n78A-n257D<br>DC_1A-7A-7A_n78A-n257E<br>DC_1A-7A-7A_n78A-n257F<br>DC_1A-7A-7A_n78A-n257G<br>DC_1A-7A-7A_n78A-n257H<br>DC_1A-7A-7A_n78A-n257I<br>DC_1A-7A-7A_n78A-n257J<br>DC_1A-7A-7A_n78A-n257K<br>DC_1A-7A-7A_n78A-n257L<br>DC_1A-7A-7A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-7A-7A_n78C-n257A<br>DC_1A-7A-7A_n78C-n257D<br>DC_1A-7A-7A_n78C-n257E<br>DC_1A-7A-7A_n78C-n257F<br>DC_1A-7A-7A_n78C-n257G<br>DC_1A-7A-7A_n78C-n257H<br>DC_1A-7A-7A_n78C-n257I<br>DC_1A-7A-7A_n78C-n257J<br>DC_1A-7A-7A_n78C-n257K<br>DC_1A-7A-7A_n78C-n257L<br>DC_1A-7A-7A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-8A_n40A-n258A<br>DC_1A-8A_n40A-n258D<br>DC_1A-8A_n40A-n258E<br>DC_1A-8A_n40A-n258F<br>DC_1A-8A_n40A-n258G<br>DC_1A-8A_n40A-n258H<br>DC_1A-8A_n40A-n258I<br>DC_1A-8A_n40A-n258J<br>DC_1A-8A_n40A-n258K<br>DC_1A-8A_n40A-n258L<br>DC_1A-8A_n40A-n258M | DC_1A_n40A<br>DC_1A_n258A<br>DC_8A_n40A<br>DC_8A_n258A |
| DC_1A-8A_n77A-n257A<br>DC_1A-8A_n77A-n257D<br>DC_1A-8A_n77A-n257G<br>DC_1A-8A_n77A-n257H<br>DC_1A-8A_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_8A_n77A<br>DC_8A_n257A |
| DC_1A-8A_n77(2A)-n257A<br>DC_1A-8A_n77(2A)-n257D<br>DC_1A-8A_n77(2A)-n257G<br>DC_1A-8A_n77(2A)-n257H<br>DC_1A-8A_n77(2A)-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_8A_n77A<br>DC_8A_n257A |
| DC_1A-8A_n78A-n257A<br>DC_1A-8A_n78A-n257D<br>DC_1A-8A_n78A-n257E<br>DC_1A-8A_n78A-n257F<br>DC_1A-8A_n78A-n257G<br>DC_1A-8A_n78A-n257H<br>DC_1A-8A_n78A-n257I<br>DC_1A-8A_n78A-n257J<br>DC_1A-8A_n78A-n257K<br>DC_1A-8A_n78A-n257L<br>DC_1A-8A_n78A-n257M | DC_1A_n78A<br>DC_8A_n78A<br>DC_1A_n257A<br>DC_8A_n257A |
| DC_1A-8A_n78A-n258A<br>DC_1A-8A_n78A-n258D<br>DC_1A-8A_n78A-n258E<br>DC_1A-8A_n78A-n258F<br>DC_1A-8A_n78A-n258G<br>DC_1A-8A_n78A-n258H<br>DC_1A-8A_n78A-n258I<br>DC_1A-8A_n78A-n258J<br>DC_1A-8A_n78A-n258K<br>DC_1A-8A_n78A-n258L<br>DC_1A-8A_n78A-n258M | DC_1A_n78A<br>DC_1A_n258A<br>DC_8A_n78A<br>DC_8A_n258A |
| DC_1A-11A_n77A-n257A<br>DC_1A-11A_n77A-n257D<br>DC_1A-11A_n77A-n257G<br>DC_1A-11A_n77A-n257H<br>DC_1A-11A_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_11A_n77A<br>DC_11A_n257A |
| DC_1A-11A_n77(2A)-n257A<br>DC_1A-11A_n77(2A)-n257D<br>DC_1A-11A_n77(2A)-n257G<br>DC_1A-11A_n77(2A)-n257H<br>DC_1A-11A_n77(2A)-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_11A_n77A<br>DC_11A_n257A |
| DC_1A-18A_n3A-n257A<br>DC_1A-18A_n3A-n257G<br>DC_1A-18A_n3A-n257H<br>DC_1A-18A_n3A-n257I | DC_1A_n3A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_18A_n3A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-18A_n78A-n257A<br>DC_1A-18A_n78A-n257G<br>DC_1A-18A_n78A-n257H<br>DC_1A-18A_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_18A_n78A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_1A-19A_n77A-n257A<br>DC_1A-19A_n77A-n257G<br>DC_1A-19A_n77A-n257H<br>DC_1A-19A_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_19A_n77A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |
| DC_1A-19A_n78A-n257A<br>DC_1A-19A_n78A-n257G<br>DC_1A-19A_n78A-n257H<br>DC_1A-19A_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_19A_n78A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |
| DC_1A-19A_n79A-n257A<br>DC_1A-19A_n79A-n257G<br>DC_1A-19A_n79A-n257H<br>DC_1A-19A_n79A-n257I | DC_1A_n79A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_19A_n79A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |
| DC_1A-21A_n77A-n257A<br>DC_1A-21A_n77A-n257G<br>DC_1A-21A_n77A-n257H<br>DC_1A-21A_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_21A_n77A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_1A-21A_n78A-n257A<br>DC_1A-21A_n78A-n257G<br>DC_1A-21A_n78A-n257H<br>DC_1A-21A_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_21A_n78A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-21A_n79A-n257A<br>DC_1A-21A_n79A-n257G<br>DC_1A-21A_n79A-n257H<br>DC_1A-21A_n79A-n257I | DC_1A_n79A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_21A_n79A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_1A-19A_n79A-n257A<br>DC_1A-19A_n79A-n257G<br>DC_1A-19A_n79A-n257H<br>DC_1A-19A_n79A-n257I | DC_1A_n79A-n257A<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I<br>DC_19A_n79A-n257A<br>DC_19A_n79A-n257G<br>DC_19A_n79A-n257H<br>DC_19A_n79A-n257I |
| DC_1A-21A_n77A-n257A<br>DC_1A-21A_n77A-n257G<br>DC_1A-21A_n77A-n257H<br>DC_1A-21A_n77A-n257I | DC_1A_n77A-n257A<br>DC_1A_n77A-n257G<br>DC_1A_n77A-n257H<br>DC_1A_n77A-n257I<br>DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I |
| DC_1A-21A_n78A-n257A<br>DC_1A-21A_n78A-n257G<br>DC_1A-21A_n78A-n257H<br>DC_1A-21A_n78A-n257I | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I |
| DC_1A-21A_n79A-n257A<br>DC_1A-21A_n79A-n257G<br>DC_1A-21A_n79A-n257H<br>DC_1A-21A_n79A-n257I | DC_1A_n79A-n257A<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I<br>DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I |
| DC_1A-28A_n3A-n257A<br>DC_1A-28A_n3A-n257G<br>DC_1A-28A_n3A-n257H<br>DC_1A-28A_n3A-n257I | DC_1A_n3A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_28A_n3A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_1A-28A_n78A-n257A<br>DC_1A-28A_n78A-n257G<br>DC_1A-28A_n78A-n257H<br>DC_1A-28A_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_1A-41A_n3A-n257A<br>DC_1A-41A_n3A-n257I | DC_41A_n3A<br>DC_41A_n257A<br>DC_41A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-41C_n3A-n257A<br>DC_1A-41C_n3A-n257I | DC_41A_n3A<br>DC_41A_n257A<br>DC_41A_n257I<br>DC_41C_n3A<br>DC_41C_n257A<br>DC_41C_n257I |
| DC_1A-41A_n28A-n257A<br>DC_1A-41A_n28A-n257G<br>DC_1A-41A_n28A-n257H<br>DC_1A-41A_n28A-n257I<br>DC_1A-41C_n28A-n257A<br>DC_1A-41C_n28A-n257G<br>DC_1A-41C_n28A-n257H<br>DC_1A-41C_n28A-n257I | DC_1A_n28A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_41A_n28A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n28A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_1A-41A_n77A-n257A<br>DC_1A-41A_n77A-n257G<br>DC_1A-41A_n77A-n257H<br>DC_1A-41A_n77A-n257I<br>DC_1A-41C_n77A-n257A<br>DC_1A-41C_n77A-n257G<br>DC_1A-41C_n77A-n257H<br>DC_1A-41C_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_41A_n77A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n77A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_1A-41A_n78A-n257A<br>DC_1A-41A_n78A-n257G<br>DC_1A-41A_n78A-n257H<br>DC_1A-41A_n78A-n257I<br>DC_1A-41C_n78A-n257A<br>DC_1A-41C_n78A-n257G<br>DC_1A-41C_n78A-n257H<br>DC_1A-41C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_1A-42A_n77A-n257A<br>DC_1A-42A_n77A-n257G<br>DC_1A-42A_n77A-n257H<br>DC_1A-42A_n77A-n257I<br>DC_1A-42C_n77A-n257A<br>DC_1A-42C_n77A-n257G<br>DC_1A-42C_n77A-n257H<br>DC_1A-42C_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-42A_n77A-n257A<br>DC_1A-42A_n77A-n257G<br>DC_1A-42A_n77A-n257H<br>DC_1A-42A_n77A-n257I<br>DC_1A-42C_n77A-n257A<br>DC_1A-42C_n77A-n257G<br>DC_1A-42C_n77A-n257H<br>DC_1A-42C_n77A-n257I | DC_1A_n77A-n257A<br>DC_1A_n77A-n257G<br>DC_1A_n77A-n257H<br>DC_1A_n77A-n257I |
| DC_1A-42A_n78A-n257A<br>DC_1A-42A_n78A-n257G<br>DC_1A-42A_n78A-n257H<br>DC_1A-42A_n78A-n257I<br>DC_1A-42C_n78A-n257A<br>DC_1A-42C_n78A-n257G<br>DC_1A-42C_n78A-n257H<br>DC_1A-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I |
| DC_1A-42A_n79A-n257A<br>DC_1A-42A_n79A-n257G<br>DC_1A-42A_n79A-n257H<br>DC_1A-42A_n79A-n257I<br>DC_1A-42C_n79A-n257A<br>DC_1A-42C_n79A-n257G<br>DC_1A-42C_n79A-n257H<br>DC_1A-42C_n79A-n257I | DC_1A_n79A-n257A<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I |
| DC_1A-42A_n79A-n257A<br>DC_1A-42A_n79A-n257G<br>DC_1A-42A_n79A-n257H<br>DC_1A-42A_n79A-n257I<br>DC_1A-42C_n79A-n257A<br>DC_1A-42C_n79A-n257G<br>DC_1A-42C_n79A-n257H<br>DC_1A-42C_n79A-n257I | DC_1A_n79A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_2A-66A_n41A-n260A<br>DC_2A-66A_n41A-n260(2A)<br>DC_2A-66A_n41A-n260(3A)<br>DC_2A-66A_n41A-n260(4A) | DC_2A_n41A<br>DC_66A_n41A |
| DC_2A-66A_n41A-n261A<br>DC_2A-66A_n41A-n261(2A) | DC_2A_n41A<br>DC_66A_n41A |
| DC_2A-66A_n71A-n261A<br>DC_2A-66A_n71A-n261(2A) | DC_2A-n71A<br>DC_66A_n71A |
| DC_3A_n1A-n78A-n257A<br>DC_3A_n1A-n78A-n257D<br>DC_3A_n1A-n78A-n257E<br>DC_3A_n1A-n78A-n257F<br>DC_3A_n1A-n78A-n257G<br>DC_3A_n1A-n78A-n257H<br>DC_3A_n1A-n78A-n257I<br>DC_3A_n1A-n78A-n257J<br>DC_3A_n1A-n78A-n257K<br>DC_3A_n1A-n78A-n257L<br>DC_3A_n1A-n78A-n257M | DC_3A_n1A<br>DC_3A_n78A<br>DC_3A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-3A_n1A-n78A-n257A<br>DC_3A-3A_n1A-n78A-n257D<br>DC_3A-3A_n1A-n78A-n257E<br>DC_3A-3A_n1A-n78A-n257F<br>DC_3A-3A_n1A-n78A-n257G<br>DC_3A-3A_n1A-n78A-n257H<br>DC_3A-3A_n1A-n78A-n257I<br>DC_3A-3A_n1A-n78A-n257J<br>DC_3A-3A_n1A-n78A-n257K<br>DC_3A-3A_n1A-n78A-n257L<br>DC_3A-3A_n1A-n78A-n257M | DC_3A_n1A<br>DC_3A_n78A<br>DC_3A_n257A |
| DC_3A-5A_n78A-n257A<br>DC_3A-5A_n78A-n257D<br>DC_3A-5A_n78A-n257E<br>DC_3A-5A_n78A-n257F<br>DC_3A-5A_n78A-n257G<br>DC_3A-5A_n78A-n257H<br>DC_3A-5A_n78A-n257I<br>DC_3A-5A_n78A-n257J<br>DC_3A-5A_n78A-n257K<br>DC_3A-5A_n78A-n257L<br>DC_3A-5A_n78A-n257M | DC_3A_n78A<br>DC_3A_n257A<br>DC_5A_n78A<br>DC_5A_n257A<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I |
| DC_3A-5A_n78C-n257A<br>DC_3A-5A_n78C-n257D<br>DC_3A-5A_n78C-n257E<br>DC_3A-5A_n78C-n257F<br>DC_3A-5A_n78C-n257G<br>DC_3A-5A_n78C-n257H<br>DC_3A-5A_n78C-n257I<br>DC_3A-5A_n78C-n257J<br>DC_3A-5A_n78C-n257K<br>DC_3A-5A_n78C-n257L<br>DC_3A-5A_n78C-n257M | DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I |
| DC_3A-7A_n1A-n257A<br>DC_3A-7A_n1A-n257D<br>DC_3A-7A_n1A-n257E<br>DC_3A-7A_n1A-n257F<br>DC_3A-7A_n1A-n257G<br>DC_3A-7A_n1A-n257H<br>DC_3A-7A_n1A-n257I<br>DC_3A-7A_n1A-n257J<br>DC_3A-7A_n1A-n257K<br>DC_3A-7A_n1A-n257L<br>DC_3A-7A_n1A-n257M | DC_3A_n1A<br>DC_3A_n257A<br>DC_7A_n1A<br>DC_7A_n257A |
| DC_3A-3A-7A_n1A-n257A<br>DC_3A-3A-7A_n1A-n257D<br>DC_3A-3A-7A_n1A-n257E<br>DC_3A-3A-7A_n1A-n257F<br>DC_3A-3A-7A_n1A-n257G<br>DC_3A-3A-7A_n1A-n257H<br>DC_3A-3A-7A_n1A-n257I<br>DC_3A-3A-7A_n1A-n257J<br>DC_3A-3A-7A_n1A-n257K<br>DC_3A-3A-7A_n1A-n257L<br>DC_3A-3A-7A_n1A-n257M | DC_3A_n1A<br>DC_3A_n257A<br>DC_7A_n1A<br>DC_7A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-7A-7A_n1A-n257A<br>DC_3A-7A-7A_n1A-n257D<br>DC_3A-7A-7A_n1A-n257E<br>DC_3A-7A-7A_n1A-n257F<br>DC_3A-7A-7A_n1A-n257G<br>DC_3A-7A-7A_n1A-n257H<br>DC_3A-7A-7A_n1A-n257I<br>DC_3A-7A-7A_n1A-n257J<br>DC_3A-7A-7A_n1A-n257K<br>DC_3A-7A-7A_n1A-n257L<br>DC_3A-7A-7A_n1A-n257M | DC_3A_n1A<br>DC_3A_n257A<br>DC_7A_n1A<br>DC_7A_n257A |
| DC_3A-3A-7A-7A_n1A-n257A<br>DC_3A-3A-7A-7A_n1A-n257D<br>DC_3A-3A-7A-7A_n1A-n257E<br>DC_3A-3A-7A-7A_n1A-n257F<br>DC_3A-3A-7A-7A_n1A-n257G<br>DC_3A-3A-7A-7A_n1A-n257H<br>DC_3A-3A-7A-7A_n1A-n257I<br>DC_3A-3A-7A-7A_n1A-n257J<br>DC_3A-3A-7A-7A_n1A-n257K<br>DC_3A-3A-7A-7A_n1A-n257L<br>DC_3A-3A-7A-7A_n1A-n257M | DC_3A_n1A<br>DC_3A_n257A<br>DC_7A_n1A<br>DC_7A_n257A |
| DC_3A-3A-7A_n78A-n257A<br>DC_3A-3A-7A_n78A-n257D<br>DC_3A-3A-7A_n78A-n257E<br>DC_3A-3A-7A_n78A-n257F<br>DC_3A-3A-7A_n78A-n257G<br>DC_3A-3A-7A_n78A-n257H<br>DC_3A-3A-7A_n78A-n257I<br>DC_3A-3A-7A_n78A-n257J<br>DC_3A-3A-7A_n78A-n257K<br>DC_3A-3A-7A_n78A-n257L<br>DC_3A-3A-7A_n78A-n257M<br>DC_3A-3A-7A-7A_n78A-n257A<br>DC_3A-3A-7A-7A_n78A-n257D<br>DC_3A-3A-7A-7A_n78A-n257E<br>DC_3A-3A-7A-7A_n78A-n257F<br>DC_3A-3A-7A-7A_n78A-n257G<br>DC_3A-3A-7A-7A_n78A-n257H<br>DC_3A-3A-7A-7A_n78A-n257I<br>DC_3A-3A-7A-7A_n78A-n257J<br>DC_3A-3A-7A-7A_n78A-n257K<br>DC_3A-3A-7A-7A_n78A-n257L<br>DC_3A-3A-7A-7A_n78A-n257M | DC_3A_n78A<br>DC_3A_n257A<br>DC_7A_n78A<br>DC_7A_n257A |
| DC_3A-7A_n78A-n257A<br>DC_3A-7A_n78A-n257D<br>DC_3A-7A_n78A-n257E<br>DC_3A-7A_n78A-n257F<br>DC_3A-7A_n78A-n257G<br>DC_3A-7A_n78A-n257H<br>DC_3A-7A_n78A-n257I<br>DC_3A-7A_n78A-n257J<br>DC_3A-7A_n78A-n257K<br>DC_3A-7A_n78A-n257L<br>DC_3A-7A_n78A-n257M<br>DC_3A-7A_n78C-n257A<br>DC_3A-7A_n78C-n257D<br>DC_3A-7A_n78C-n257E<br>DC_3A-7A_n78C-n257F<br>DC_3A-7A_n78C-n257G<br>DC_3A-7A_n78C-n257H<br>DC_3A-7A_n78C-n257I<br>DC_3A-7A_n78C-n257J<br>DC_3A-7A_n78C-n257K<br>DC_3A-7A_n78C-n257L<br>DC_3A-7A_n78C-n257M | DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-7A-7A_n78A-n257A<br>DC_3A-7A-7A_n78A-n257D<br>DC_3A-7A-7A_n78A-n257E<br>DC_3A-7A-7A_n78A-n257F<br>DC_3A-7A-7A_n78A-n257G<br>DC_3A-7A-7A_n78A-n257H<br>DC_3A-7A-7A_n78A-n257I<br>DC_3A-7A-7A_n78A-n257J<br>DC_3A-7A-7A_n78A-n257K<br>DC_3A-7A-7A_n78A-n257L<br>DC_3A-7A-7A_n78A-n257M<br>DC_3A-7A-7A_n78C-n257A<br>DC_3A-7A-7A_n78C-n257D<br>DC_3A-7A-7A_n78C-n257E<br>DC_3A-7A-7A_n78C-n257F<br>DC_3A-7A-7A_n78C-n257G<br>DC_3A-7A-7A_n78C-n257H<br>DC_3A-7A-7A_n78C-n257I<br>DC_3A-7A-7A_n78C-n257J<br>DC_3A-7A-7A_n78C-n257K<br>DC_3A-7A-7A_n78C-n257L<br>DC_3A-7A-7A_n78C-n257M | DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_3A-8A_n40A-n258A<br>DC_3A-8A_n40A-n258D<br>DC_3A-8A_n40A-n258E<br>DC_3A-8A_n40A-n258F<br>DC_3A-8A_n40A-n258G<br>DC_3A-8A_n40A-n258H<br>DC_3A-8A_n40A-n258I<br>DC_3A-8A_n40A-n258J<br>DC_3A-8A_n40A-n258K<br>DC_3A-8A_n40A-n258L<br>DC_3A-8A_n40A-n258M | DC_3A_n40A<br>DC_3A_n258A<br>DC_8A_n40A<br>DC_8A_n258A |
| DC_3A-8A_n78A-n257A<br>DC_3A-8A_n78A-n257D<br>DC_3A-8A_n78A-n257E<br>DC_3A-8A_n78A-n257F<br>DC_3A-8A_n78A-n257G<br>DC_3A-8A_n78A-n257H<br>DC_3A-8A_n78A-n257I<br>DC_3A-8A_n78A-n257J<br>DC_3A-8A_n78A-n257K<br>DC_3A-8A_n78A-n257L<br>DC_3A-8A_n78A-n257M | DC_3A_n78A<br>DC_8A_n78A<br>DC_3A_n257A<br>DC_8A_n257A |
| DC_3A-8A_n78A-n258A<br>DC_3A-8A_n78A-n258D<br>DC_3A-8A_n78A-n258E<br>DC_3A-8A_n78A-n258F<br>DC_3A-8A_n78A-n258G<br>DC_3A-8A_n78A-n258H<br>DC_3A-8A_n78A-n258I<br>DC_3A-8A_n78A-n258J<br>DC_3A-8A_n78A-n258K<br>DC_3A-8A_n78A-n258L<br>DC_3A-8A_n78A-n258M | DC_3A_n78A<br>DC_3A_n258A<br>DC_8A_n78A<br>DC_8A_n258A |
| DC_3A-18A_n78A-n257A<br>DC_3A-18A_n78A-n257G<br>DC_3A-18A_n78A-n257H<br>DC_3A-18A_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_18A_n78A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-19A_n77A-n257A<br>DC_3A-19A_n77A-n257G<br>DC_3A-19A_n77A-n257H<br>DC_3A-19A_n77A-n257I | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_19A_n77A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |
| DC_3A-19A_n78A-n257A<br>DC_3A-19A_n78A-n257G<br>DC_3A-19A_n78A-n257H<br>DC_3A-19A_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_19A_n78A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |
| DC_3A-19A_n79A-n257A<br>DC_3A-19A_n79A-n257G<br>DC_3A-19A_n79A-n257H<br>DC_3A-19A_n79A-n257I | DC_3A_n79A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_19A_n79A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I |
| DC_3A-21A_n77A-n257A<br>DC_3A-21A_n77A-n257G<br>DC_3A-21A_n77A-n257H<br>DC_3A-21A_n77A-n257I | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_21A_n77A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_3A-21A_n78A-n257A<br>DC_3A-21A_n78A-n257G<br>DC_3A-21A_n78A-n257H<br>DC_3A-21A_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_21A_n78A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_3A-21A_n79A-n257A<br>DC_3A-21A_n79A-n257G<br>DC_3A-21A_n79A-n257H<br>DC_3A-21A_n79A-n257I | DC_3A_n79A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_21A_n79A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-19A_n77A-n257A<br>DC_3A-19A_n77A-n257G<br>DC_3A-19A_n77A-n257H<br>DC_3A-19A_n77A-n257I | DC_3A_n77A-n257A<br>DC_3A_n77A-n257G<br>DC_3A_n77A-n257H<br>DC_3A_n77A-n257I<br>DC_19A_n77A-n257A<br>DC_19A_n77A-n257G<br>DC_19A_n77A-n257H<br>DC_19A_n77A-n257I |
| DC_3A-19A_n78A-n257A<br>DC_3A-19A_n78A-n257G<br>DC_3A-19A_n78A-n257H<br>DC_3A-19A_n78A-n257I | DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_19A_n78A-n257A<br>DC_19A_n78A-n257G<br>DC_19A_n78A-n257H<br>DC_19A_n78A-n257I |
| DC_3A-19A_n79A-n257A<br>DC_3A-19A_n79A-n257G<br>DC_3A-19A_n79A-n257H<br>DC_3A-19A_n79A-n257I | DC_3A_n79A-n257A<br>DC_3A_n79A-n257G<br>DC_3A_n79A-n257H<br>DC_3A_n79A-n257I<br>DC_19A_n79A-n257A<br>DC_19A_n79A-n257G<br>DC_19A_n79A-n257H<br>DC_19A_n79A-n257I |
| DC_3A-21A_n77A-n257A<br>DC_3A-21A_n77A-n257G<br>DC_3A-21A_n77A-n257H<br>DC_3A-21A_n77A-n257I | DC_3A_n77A-n257A<br>DC_3A_n77A-n257G<br>DC_3A_n77A-n257H<br>DC_3A_n77A-n257I<br>DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I |
| DC_3A-21A_n78A-n257A<br>DC_3A-21A_n78A-n257G<br>DC_3A-21A_n78A-n257H<br>DC_3A-21A_n78A-n257I | DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I |
| DC_3A-21A_n79A-n257A<br>DC_3A-21A_n79A-n257G<br>DC_3A-21A_n79A-n257H<br>DC_3A-21A_n79A-n257I | DC_3A_n79A-n257A<br>DC_3A_n79A-n257G<br>DC_3A_n79A-n257H<br>DC_3A_n79A-n257I<br>DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I |
| DC_3A-28A_n77A-n257A<br>DC_3A-28A_n77A-n257D<br>DC_3A-28A_n77A-n257G<br>DC_3A-28A_n77A-n257H<br>DC_3A-28A_n77A-n257I | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n77A<br>DC_28A_n257A<br>DC_28A_n257D<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-28A_n77(2A)-n257A<br>DC_3A-28A_n77(2A)-n257D<br>DC_3A-28A_n77(2A)-n257G<br>DC_3A-28A_n77(2A)-n257H<br>DC_3A-28A_n77(2A)-n257I | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257D<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n77A<br>DC_28A_n257A<br>DC_28A_n257D<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_3A-28A_n78A-n257A<br>DC_3A-28A_n78A-n257G<br>DC_3A-28A_n78A-n257H<br>DC_3A-28A_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_3A-41A_n28A-n257A<br>DC_3A-41A_n28A-n257G<br>DC_3A-41A_n28A-n257H<br>DC_3A-41A_n28A-n257I<br>DC_3A-41C_n28A-n257A<br>DC_3A-41C_n28A-n257G<br>DC_3A-41C_n28A-n257H<br>DC_3A-41C_n28A-n257I | DC_3A_n28A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n28A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n28A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_3A-41A_n77A-n257A<br>DC_3A-41A_n77A-n257G<br>DC_3A-41A_n77A-n257H<br>DC_3A-41A_n77A-n257I<br>DC_3A-41C_n77A-n257A<br>DC_3A-41C_n77A-n257G<br>DC_3A-41C_n77A-n257H<br>DC_3A-41C_n77A-n257I | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n77A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n77A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-41A_n78A-n257A<br>DC_3A-41A_n78A-n257G<br>DC_3A-41A_n78A-n257H<br>DC_3A-41A_n78A-n257I<br>DC_3A-41C_n78A-n257A<br>DC_3A-41C_n78A-n257G<br>DC_3A-41C_n78A-n257H<br>DC_3A-41C_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_3A-42A_n77A-n257A<br>DC_3A-42A_n77A-n257G<br>DC_3A-42A_n77A-n257H<br>DC_3A-42A_n77A-n257I<br>DC_3A-42C_n77A-n257A<br>DC_3A-42C_n77A-n257G<br>DC_3A-42C_n77A-n257H<br>DC_3A-42C_n77A-n257I | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_3A-42A_n77A-n257A<br>DC_3A-42A_n77A-n257G<br>DC_3A-42A_n77A-n257H<br>DC_3A-42A_n77A-n257I<br>DC_3A-42C_n77A-n257A<br>DC_3A-42C_n77A-n257G<br>DC_3A-42C_n77A-n257H<br>DC_3A-42C_n77A-n257I | DC_3A_n77A-n257A<br>DC_3A_n77A-n257G<br>DC_3A_n77A-n257H<br>DC_3A_n77A-n257I |
| DC_3A-42A_n78A-n257A<br>DC_3A-42A_n78A-n257G<br>DC_3A-42A_n78A-n257H<br>DC_3A-42A_n78A-n257I<br>DC_3A-42C_n78A-n257A<br>DC_3A-42C_n78A-n257G<br>DC_3A-42C_n78A-n257H<br>DC_3A-42C_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I |
| DC_3A-42A_n79A-n257A<br>DC_3A-42A_n79A-n257G<br>DC_3A-42A_n79A-n257H<br>DC_3A-42A_n79A-n257I<br>DC_3A-42C_n79A-n257A<br>DC_3A-42C_n79A-n257G<br>DC_3A-42C_n79A-n257H<br>DC_3A-42C_n79A-n257I | DC_3A_n79A-n257A<br>DC_3A_n79A-n257G<br>DC_3A_n79A-n257H<br>DC_3A_n79A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-42A_n79A-n257A<br>DC_3A-42A_n79A-n257G<br>DC_3A-42A_n79A-n257H<br>DC_3A-42A_n79A-n257I<br>DC_3A-42C_n79A-n257A<br>DC_3A-42C_n79A-n257G<br>DC_3A-42C_n79A-n257H<br>DC_3A-42C_n79A-n257I | DC_3A_n79A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_5A-7A_n78A-n257A<br>DC_5A-7A_n78A-n257D<br>DC_5A-7A_n78A-n257E<br>DC_5A-7A_n78A-n257F<br>DC_5A-7A_n78A-n257G<br>DC_5A-7A_n78A-n257H<br>DC_5A-7A_n78A-n257I<br>DC_5A-7A_n78A-n257J<br>DC_5A-7A_n78A-n257K<br>DC_5A-7A_n78A-n257L<br>DC_5A-7A_n78A-n257M | DC_5A_n78A<br>DC_5A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_7A_n1A-n78A-n257A<br>DC_7A_n1A-n78A-n257D<br>DC_7A_n1A-n78A-n257E<br>DC_7A_n1A-n78A-n257F<br>DC_7A_n1A-n78A-n257G<br>DC_7A_n1A-n78A-n257H<br>DC_7A_n1A-n78A-n257I<br>DC_7A_n1A-n78A-n257J<br>DC_7A_n1A-n78A-n257K<br>DC_7A_n1A-n78A-n257L<br>DC_7A_n1A-n78A-n257M | DC_7A_n1A<br>DC_7A_n78A<br>DC_7A_n257A |
| DC_7A-7A_n1A-n78A-n257A<br>DC_7A-7A_n1A-n78A-n257D<br>DC_7A-7A_n1A-n78A-n257E<br>DC_7A-7A_n1A-n78A-n257F<br>DC_7A-7A_n1A-n78A-n257G<br>DC_7A-7A_n1A-n78A-n257H<br>DC_7A-7A_n1A-n78A-n257I<br>DC_7A-7A_n1A-n78A-n257J<br>DC_7A-7A_n1A-n78A-n257K<br>DC_7A-7A_n1A-n78A-n257L<br>DC_7A-7A_n1A-n78A-n257M | DC_7A_n1A<br>DC_7A_n78A<br>DC_7A_n257A |
| DC_5A-7A_n78C-n257A<br>DC_5A-7A_n78C-n257D<br>DC_5A-7A_n78C-n257E<br>DC_5A-7A_n78C-n257F<br>DC_5A-7A_n78C-n257G<br>DC_5A-7A_n78C-n257H<br>DC_5A-7A_n78C-n257I<br>DC_5A-7A_n78C-n257J<br>DC_5A-7A_n78C-n257K<br>DC_5A-7A_n78C-n257L<br>DC_5A-7A_n78C-n257M | DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_5A-7A-7A_n78A-n257A<br>DC_5A-7A-7A_n78A-n257D<br>DC_5A-7A-7A_n78A-n257E<br>DC_5A-7A-7A_n78A-n257F<br>DC_5A-7A-7A_n78A-n257G<br>DC_5A-7A-7A_n78A-n257H<br>DC_5A-7A-7A_n78A-n257I<br>DC_5A-7A-7A_n78A-n257J<br>DC_5A-7A-7A_n78A-n257K<br>DC_5A-7A-7A_n78A-n257L<br>DC_5A-7A-7A_n78A-n257M<br>DC_5A-7A-7A_n78A-n257A<br>DC_5A-7A-7A_n78A-n257D<br>DC_5A-7A-7A_n78A-n257E<br>DC_5A-7A-7A_n78A-n257F<br>DC_5A-7A-7A_n78A-n257G<br>DC_5A-7A-7A_n78A-n257H<br>DC_5A-7A-7A_n78A-n257I<br>DC_5A-7A-7A_n78A-n257J<br>DC_5A-7A-7A_n78A-n257K<br>DC_5A-7A-7A_n78A-n257L<br>DC_5A-7A-7A_n78A-n257M | DC_5A_n78A<br>DC_5A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_5A-7A-7A_n78C-n257A<br>DC_5A-7A-7A_n78C-n257D<br>DC_5A-7A-7A_n78C-n257E<br>DC_5A-7A-7A_n78C-n257F<br>DC_5A-7A-7A_n78C-n257G<br>DC_5A-7A-7A_n78C-n257H<br>DC_5A-7A-7A_n78C-n257I<br>DC_5A-7A-7A_n78C-n257J<br>DC_5A-7A-7A_n78C-n257K<br>DC_5A-7A-7A_n78C-n257L<br>DC_5A-7A-7A_n78C-n257M | DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_7A-8A_n40A-n258A<br>DC_7A-8A_n40A-n258D<br>DC_7A-8A_n40A-n258E<br>DC_7A-8A_n40A-n258F<br>DC_7A-8A_n40A-n258G<br>DC_7A-8A_n40A-n258H<br>DC_7A-8A_n40A-n258I<br>DC_7A-8A_n40A-n258J<br>DC_7A-8A_n40A-n258K<br>DC_7A-8A_n40A-n258L<br>DC_7A-8A_n40A-n258M | DC_7A_n40A<br>DC_7A_n258A<br>DC_8A_n40A<br>DC_8A_n258A |
| DC_7A-8A_n78A-n258A<br>DC_7A-8A_n78A-n258D<br>DC_7A-8A_n78A-n258E<br>DC_7A-8A_n78A-n258F<br>DC_7A-8A_n78A-n258G<br>DC_7A-8A_n78A-n258H<br>DC_7A-8A_n78A-n258I<br>DC_7A-8A_n78A-n258J<br>DC_7A-8A_n78A-n258K<br>DC_7A-8A_n78A-n258L<br>DC_7A-8A_n78A-n258M | DC_7A_n78A<br>DC_7A_n258A<br>DC_8A_n78A<br>DC_8A_n258A |
| DC_8A-11A_n77A-n257A<br>DC_8A-11A_n77A-n257D<br>DC_8A-11A_n77A-n257G<br>DC_8A-11A_n77A-n257H<br>DC_8A-11A_n77A-n257I | DC_8A_n77A<br>DC_8A_n257A<br>DC_11A_n77A<br>DC_11A_n257A |
| DC_8A-11A_n77(2A)-n257A<br>DC_8A-11A_n77(2A)-n257D<br>DC_8A-11A_n77(2A)-n257G<br>DC_8A-11A_n77(2A)-n257H<br>DC_8A-11A_n77(2A)-n257I | DC_8A_n77A<br>DC_8A_n257A<br>DC_11A_n77A<br>DC_11A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_18A-41A_n3A-n257A<br>DC_18A-41A_n3A-n257G<br>DC_18A-41A_n3A-n257H<br>DC_18A-41A_n3A-n257I<br>DC_18A-41C_n3A-n257A<br>DC_18A-41C_n3A-n257G<br>DC_18A-41C_n3A-n257H<br>DC_18A-41C_n3A-n257I | DC_18A_n3A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_41A_n3A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n3A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_18A-42A_n78A-n257A<br>DC_18A-42A_n78A-n257G<br>DC_18A-42A_n78A-n257H<br>DC_18A-42A_n78A-n257I<br>DC_18A-42C_n78A-n257A<br>DC_18A-42C_n78A-n257G<br>DC_18A-42C_n78A-n257H<br>DC_18A-42C_n78A-n257I | DC_18A_n78A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_19A-21A_n77A-n257A<br>DC_19A-21A_n77A-n257G<br>DC_19A-21A_n77A-n257H<br>DC_19A-21A_n77A-n257I | DC_19A_n77A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n77A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_19A-21A_n78A-n257A<br>DC_19A-21A_n78A-n257G<br>DC_19A-21A_n78A-n257H<br>DC_19A-21A_n78A-n257I | DC_19A_n78A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n78A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_19A-21A_n79A-n257A<br>DC_19A-21A_n79A-n257G<br>DC_19A-21A_n79A-n257H<br>DC_19A-21A_n79A-n257I | DC_19A_n79A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n79A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_19A-42A_n77A-n257A<br>DC_19A-42A_n77A-n257G<br>DC_19A-42A_n77A-n257H<br>DC_19A-42A_n77A-n257I<br>DC_19A-42C_n77A-n257A<br>DC_19A-42C_n77A-n257G<br>DC_19A-42C_n77A-n257H<br>DC_19A-42C_n77A-n257I | DC_19A_n77A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_19A-42A_n78A-n257A<br>DC_19A-42A_n78A-n257G<br>DC_19A-42A_n78A-n257H<br>DC_19A-42A_n78A-n257I<br>DC_19A-42C_n78A-n257A<br>DC_19A-42C_n78A-n257G<br>DC_19A-42C_n78A-n257H<br>DC_19A-42C_n78A-n257I | DC_19A_n78A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_19A-42A_n79A-n257A<br>DC_19A-42A_n79A-n257G<br>DC_19A-42A_n79A-n257H<br>DC_19A-42A_n79A-n257I<br>DC_19A-42C_n79A-n257A<br>DC_19A-42C_n79A-n257G<br>DC_19A-42C_n79A-n257H<br>DC_19A-42C_n79A-n257I | DC_19A_n79A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_21A-42A_n77A-n257A<br>DC_21A-42A_n77A-n257G<br>DC_21A-42A_n77A-n257H<br>DC_21A-42A_n77A-n257I<br>DC_21A-42C_n77A-n257A<br>DC_21A-42C_n77A-n257G<br>DC_21A-42C_n77A-n257H<br>DC_21A-42C_n77A-n257I | DC_21A_n77A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_21A-42A_n78A-n257A<br>DC_21A-42A_n78A-n257G<br>DC_21A-42A_n78A-n257H<br>DC_21A-42A_n78A-n257I<br>DC_21A-42C_n78A-n257A<br>DC_21A-42C_n78A-n257G<br>DC_21A-42C_n78A-n257H<br>DC_21A-42C_n78A-n257I | DC_21A_n78A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_21A-42A_n79A-n257A<br>DC_21A-42A_n79A-n257G<br>DC_21A-42A_n79A-n257H<br>DC_21A-42A_n79A-n257I<br>DC_21A-42C_n79A-n257A<br>DC_21A-42C_n79A-n257G<br>DC_21A-42C_n79A-n257H<br>DC_21A-42C_n79A-n257I | DC_21A_n79A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_19A-21A_n77A-n257A<br>DC_19A-21A_n77A-n257G<br>DC_19A-21A_n77A-n257H<br>DC_19A-21A_n77A-n257I | DC_19A_n77A-n257A<br>DC_19A_n77A-n257G<br>DC_19A_n77A-n257H<br>DC_19A_n77A-n257I<br>DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_19A-21A_n78A-n257A<br>DC_19A-21A_n78A-n257G<br>DC_19A-21A_n78A-n257H<br>DC_19A-21A_n78A-n257I | DC_19A_n78A-n257A<br>DC_19A_n78A-n257G<br>DC_19A_n78A-n257H<br>DC_19A_n78A-n257I<br>DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I |
| DC_19A-21A_n79A-n257A<br>DC_19A-21A_n79A-n257G<br>DC_19A-21A_n79A-n257H<br>DC_19A-21A_n79A-n257I | DC_19A_n79A-n257A<br>DC_19A_n79A-n257G<br>DC_19A_n79A-n257H<br>DC_19A_n79A-n257I<br>DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I |
| DC_19A-42A_n77A-n257A<br>DC_19A-42A_n77A-n257G<br>DC_19A-42A_n77A-n257H<br>DC_19A-42A_n77A-n257I<br>DC_19A-42C_n77A-n257A<br>DC_19A-42C_n77A-n257G<br>DC_19A-42C_n77A-n257H<br>DC_19A-42C_n77A-n257I | DC_19A_n77A-n257A<br>DC_19A_n77A-n257G<br>DC_19A_n77A-n257H<br>DC_19A_n77A-n257I |
| DC_19A-42A_n78A-n257A<br>DC_19A-42A_n78A-n257G<br>DC_19A-42A_n78A-n257H<br>DC_19A-42A_n78A-n257I<br>DC_19A-42C_n78A-n257A<br>DC_19A-42C_n78A-n257G<br>DC_19A-42C_n78A-n257H<br>DC_19A-42C_n78A-n257I | DC_19A_n78A-n257A<br>DC_19A_n78A-n257G<br>DC_19A_n78A-n257H<br>DC_19A_n78A-n257I |
| DC_19A-42A_n79A-n257A<br>DC_19A-42A_n79A-n257G<br>DC_19A-42A_n79A-n257H<br>DC_19A-42A_n79A-n257I<br>DC_19A-42C_n79A-n257A<br>DC_19A-42C_n79A-n257G<br>DC_19A-42C_n79A-n257H<br>DC_19A-42C_n79A-n257I | DC_19A_n79A-n257A<br>DC_19A_n79A-n257G<br>DC_19A_n79A-n257H<br>DC_19A_n79A-n257I |
| DC_21A-42A_n77A-n257A<br>DC_21A-42A_n77A-n257G<br>DC_21A-42A_n77A-n257H<br>DC_21A-42A_n77A-n257I<br>DC_21A-42C_n77A-n257A<br>DC_21A-42C_n77A-n257G<br>DC_21A-42C_n77A-n257H<br>DC_21A-42C_n77A-n257I | DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I |
| DC_21A-42A_n78A-n257A<br>DC_21A-42A_n78A-n257G<br>DC_21A-42A_n78A-n257H<br>DC_21A-42A_n78A-n257I<br>DC_21A-42C_n78A-n257A<br>DC_21A-42C_n78A-n257G<br>DC_21A-42C_n78A-n257H<br>DC_21A-42C_n78A-n257I | DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I |
| DC_21A-42A_n79A-n257A<br>DC_21A-42A_n79A-n257G<br>DC_21A-42A_n79A-n257H<br>DC_21A-42A_n79A-n257I<br>DC_21A-42C_n79A-n257A<br>DC_21A-42C_n79A-n257G<br>DC_21A-42C_n79A-n257H<br>DC_21A-42C_n79A-n257I | DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_28A-41A_n78A-n257A<br>DC_28A-41A_n78A-n257G<br>DC_28A-41A_n78A-n257H<br>DC_28A-41A_n78A-n257I<br>DC_28A-41C_n78A-n257A<br>DC_28A-41C_n78A-n257G<br>DC_28A-41C_n78A-n257H<br>DC_28A-41C_n78A-n257I | DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_28A-42A_n78A-n257A<br>DC_28A-42A_n78A-n257G<br>DC_28A-42A_n78A-n257H<br>DC_28A-42A_n78A-n257I<br>DC_28A-42C_n78A-n257A<br>DC_28A-42C_n78A-n257G<br>DC_28A-42C_n78A-n257H<br>DC_28A-42C_n78A-n257I | DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_41A-42A_n77A-n257A<br>DC_41A-42A_n77A-n257G<br>DC_41A-42A_n77A-n257H<br>DC_41A-42A_n77A-n257I<br>DC_41A-42C_n77A-n257A<br>DC_41A-42C_n77A-n257G<br>DC_41A-42C_n77A-n257H<br>DC_41A-42C_n77A-n257I<br>DC_41C-42A_n77A-n257A<br>DC_41C-42A_n77A-n257G<br>DC_41C-42A_n77A-n257H<br>DC_41C-42A_n77A-n257I<br>DC_41C-42C_n77A-n257A<br>DC_41C-42C_n77A-n257G<br>DC_41C-42C_n77A-n257H<br>DC_41C-42C_n77A-n257I | DC_41A_n77A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n77A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_41A-42A_n78A-n257A<br>DC_41A-42A_n78A-n257G<br>DC_41A-42A_n78A-n257H<br>DC_41A-42A_n78A-n257I<br>DC_41A-42C_n78A-n257A<br>DC_41A-42C_n78A-n257G<br>DC_41A-42C_n78A-n257H<br>DC_41A-42C_n78A-n257I<br>DC_41C-42A_n78A-n257A<br>DC_41C-42A_n78A-n257G<br>DC_41C-42A_n78A-n257H<br>DC_41C-42A_n78A-n257I<br>DC_41C-42C_n78A-n257A<br>DC_41C-42C_n78A-n257G<br>DC_41C-42C_n78A-n257H<br>DC_41C-42C_n78A-n257I | DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications. | |

### 5.5B.6.4 Inter-band EN-DC configurations including FR1 and FR2 (five bands)

**Table 5.5B.6.4-1: Inter-band EN-DC configurations including FR1 and FR2 (five bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-5A_n78A-n257A<br>DC_1A-3A-5A_n78A-n257D<br>DC_1A-3A-5A_n78A-n257E<br>DC_1A-3A-5A_n78A-n257F<br>DC_1A-3A-5A_n78A-n257G<br>DC_1A-3A-5A_n78A-n257H<br>DC_1A-3A-5A_n78A-n257I<br>DC_1A-3A-5A_n78A-n257J<br>DC_1A-3A-5A_n78A-n257K<br>DC_1A-3A-5A_n78A-n257L<br>DC_1A-3A-5A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_5A_n78A<br>DC_5A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I |
| DC_1A-3A-5A_n78C-n257A<br>DC_1A-3A-5A_n78C-n257D<br>DC_1A-3A-5A_n78C-n257E<br>DC_1A-3A-5A_n78C-n257F<br>DC_1A-3A-5A_n78C-n257G<br>DC_1A-3A-5A_n78C-n257H<br>DC_1A-3A-5A_n78C-n257I<br>DC_1A-3A-5A_n78C-n257J<br>DC_1A-3A-5A_n78C-n257K<br>DC_1A-3A-5A_n78C-n257L<br>DC_1A-3A-5A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I |
| DC_1A-3A-7A_n78A-n257A<br>DC_1A-3A-7A_n78A-n257D<br>DC_1A-3A-7A_n78A-n257E<br>DC_1A-3A-7A_n78A-n257F<br>DC_1A-3A-7A_n78A-n257G<br>DC_1A-3A-7A_n78A-n257H<br>DC_1A-3A-7A_n78A-n257I<br>DC_1A-3A-7A_n78A-n257J<br>DC_1A-3A-7A_n78A-n257K<br>DC_1A-3A-7A_n78A-n257L<br>DC_1A-3A-7A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-3A-7A_n78C-n257A<br>DC_1A-3A-7A_n78C-n257D<br>DC_1A-3A-7A_n78C-n257E<br>DC_1A-3A-7A_n78C-n257F<br>DC_1A-3A-7A_n78C-n257G<br>DC_1A-3A-7A_n78C-n257H<br>DC_1A-3A-7A_n78C-n257I<br>DC_1A-3A-7A_n78C-n257J<br>DC_1A-3A-7A_n78C-n257K<br>DC_1A-3A-7A_n78C-n257L<br>DC_1A-3A-7A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-7A-7A_n78A-n257A<br>DC_1A-3A-7A-7A_n78A-n257D<br>DC_1A-3A-7A-7A_n78A-n257E<br>DC_1A-3A-7A-7A_n78A-n257F<br>DC_1A-3A-7A-7A_n78A-n257G<br>DC_1A-3A-7A-7A_n78A-n257H<br>DC_1A-3A-7A-7A_n78A-n257I<br>DC_1A-3A-7A-7A_n78A-n257J<br>DC_1A-3A-7A-7A_n78A-n257K<br>DC_1A-3A-7A-7A_n78A-n257L<br>DC_1A-3A-7A-7A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-3A-7A-7A_n78C-n257A<br>DC_1A-3A-7A-7A_n78C-n257D<br>DC_1A-3A-7A-7A_n78C-n257E<br>DC_1A-3A-7A-7A_n78C-n257F<br>DC_1A-3A-7A-7A_n78C-n257G<br>DC_1A-3A-7A-7A_n78C-n257H<br>DC_1A-3A-7A-7A_n78C-n257I<br>DC_1A-3A-7A-7A_n78C-n257J<br>DC_1A-3A-7A-7A_n78C-n257K<br>DC_1A-3A-7A-7A_n78C-n257L<br>DC_1A-3A-7A-7A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-3A-8A_n78A-n257A<br>DC_1A-3A-8A_n78A-n257D<br>DC_1A-3A-8A_n78A-n257E<br>DC_1A-3A-8A_n78A-n257F<br>DC_1A-3A-8A_n78A-n257G<br>DC_1A-3A-8A_n78A-n257H<br>DC_1A-3A-8A_n78A-n257I<br>DC_1A-3A-8A_n78A-n257J<br>DC_1A-3A-8A_n78A-n257K<br>DC_1A-3A-8A_n78A-n257L<br>DC_1A-3A-8A_n78A-n257M<br>DC_1A-3C-8A_n78A-n257A<br>DC_1A-3C-8A_n78A-n257D<br>DC_1A-3C-8A_n78A-n257E<br>DC_1A-3C-8A_n78A-n257F<br>DC_1A-3C-8A_n78A-n257G<br>DC_1A-3C-8A_n78A-n257H<br>DC_1A-3C-8A_n78A-n257I<br>DC_1A-3C-8A_n78A-n257J<br>DC_1A-3C-8A_n78A-n257K<br>DC_1A-3C-8A_n78A-n257L<br>DC_1A-3C-8A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_8A_n78A<br>DC_8A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-18A_n78A-n257A<br>DC_1A-3A-18A_n78A-n257G<br>DC_1A-3A-18A_n78A-n257H<br>DC_1A-3A-18A_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_18A_n78A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I |
| DC_1A-3A-21A_n77A-n257A<br>DC_1A-3A-21A_n77A-n257G<br>DC_1A-3A-21A_n77A-n257H<br>DC_1A-3A-21A_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_21A_n77A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_1A-3A-21A_n78A-n257A<br>DC_1A-3A-21A_n78A-n257G<br>DC_1A-3A-21A_n78A-n257H<br>DC_1A-3A-21A_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_21A_n78A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |
| DC_1A-3A-21A_n79A-n257A<br>DC_1A-3A-21A_n79A-n257G<br>DC_1A-3A-21A_n79A-n257H<br>DC_1A-3A-21A_n79A-n257I | DC_1A_n79A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n79A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_21A_n79A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-21A_n77A-n257A<br>DC_1A-3A-21A_n77A-n257G<br>DC_1A-3A-21A_n77A-n257H<br>DC_1A-3A-21A_n77A-n257I | DC_1A_n77A-n257A<br>DC_1A_n77A-n257G<br>DC_1A_n77A-n257H<br>DC_1A_n77A-n257I<br>DC_3A_n77A-n257A<br>DC_3A_n77A-n257G<br>DC_3A_n77A-n257H<br>DC_3A_n77A-n257I<br>DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I |
| DC_1A-3A-21A_n78A-n257A<br>DC_1A-3A-21A_n78A-n257G<br>DC_1A-3A-21A_n78A-n257H<br>DC_1A-3A-21A_n78A-n257I | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I |
| DC_1A-3A-21A_n79A-n257A<br>DC_1A-3A-21A_n79A-n257G<br>DC_1A-3A-21A_n79A-n257H<br>DC_1A-3A-21A_n79A-n257I | DC_1A_n79A-n257A<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I<br>DC_3A_n79A-n257A<br>DC_3A_n79A-n257G<br>DC_3A_n79A-n257H<br>DC_3A_n79A-n257I<br>DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I |
| DC_1A-3A-28A_n78A-n257A<br>DC_1A-3A-28A_n78A-n257G<br>DC_1A-3A-28A_n78A-n257H<br>DC_1A-3A-28A_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I |
| DC_1A-3A-41A_n28A-n257A<br>DC_1A-3A-41A_n28A-n257I | DC_1A_n28A<br>DC_1A_n257A<br>DC_3A_n28A<br>DC_3A_n257A<br>DC_41A_n28A<br>DC_41A_n257A<br>DC_41A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-41C_n28A-n257A<br>DC_1A-3A-41C_n28A-n257I | DC_1A_n28A<br>DC_1A_n257A<br>DC_3A_n28A<br>DC_3A_n257A<br>DC_41A_n28A<br>DC_41A_n257A<br>DC_41A_n257I<br>DC_41C_n28A<br>DC_41C_n257A<br>DC_41C_n257I |
| DC_1A-3A-41A_n77A-n257A<br>DC_1A-3A-41A_n77A-n257G<br>DC_1A-3A-41A_n77A-n257H<br>DC_1A-3A-41A_n77A-n257I<br>DC_1A-3A-41C_n77A-n257A<br>DC_1A-3A-41C_n77A-n257G<br>DC_1A-3A-41C_n77A-n257H<br>DC_1A-3A-41C_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n77A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n77A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_1A-3A-41A_n78A-n257A<br>DC_1A-3A-41A_n78A-n257G<br>DC_1A-3A-41A_n78A-n257H<br>DC_1A-3A-41A_n78A-n257I<br>DC_1A-3A-41C_n78A-n257A<br>DC_1A-3A-41C_n78A-n257G<br>DC_1A-3A-41C_n78A-n257H<br>DC_1A-3A-41C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-42A_n77A-n257A<br>DC_1A-3A-42A_n77A-n257G<br>DC_1A-3A-42A_n77A-n257H<br>DC_1A-3A-42A_n77A-n257I<br>DC_1A-3A-42C_n77A-n257A<br>DC_1A-3A-42C_n77A-n257G<br>DC_1A-3A-42C_n77A-n257H<br>DC_1A-3A-42C_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-3A-42A_n78A-n257A<br>DC_1A-3A-42A_n78A-n257G<br>DC_1A-3A-42A_n78A-n257H<br>DC_1A-3A-42A_n78A-n257I<br>DC_1A-3A-42C_n78A-n257A<br>DC_1A-3A-42C_n78A-n257G<br>DC_1A-3A-42C_n78A-n257H<br>DC_1A-3A-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-5A-7A_n78A-n257A<br>DC_1A-5A-7A_n78A-n257D<br>DC_1A-5A-7A_n78A-n257E<br>DC_1A-5A-7A_n78A-n257F<br>DC_1A-5A-7A_n78A-n257G<br>DC_1A-5A-7A_n78A-n257H<br>DC_1A-5A-7A_n78A-n257I<br>DC_1A-5A-7A_n78A-n257J<br>DC_1A-5A-7A_n78A-n257K<br>DC_1A-5A-7A_n78A-n257L<br>DC_1A-5A-7A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_5A_n78A<br>DC_5A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-5A-7A_n78C-n257A<br>DC_1A-5A-7A_n78C-n257D<br>DC_1A-5A-7A_n78C-n257E<br>DC_1A-5A-7A_n78C-n257F<br>DC_1A-5A-7A_n78C-n257G<br>DC_1A-5A-7A_n78C-n257H<br>DC_1A-5A-7A_n78C-n257I<br>DC_1A-5A-7A_n78C-n257J<br>DC_1A-5A-7A_n78C-n257K<br>DC_1A-5A-7A_n78C-n257L<br>DC_1A-5A-7A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-5A-7A-7A_n78A-n257A<br>DC_1A-5A-7A-7A_n78A-n257D<br>DC_1A-5A-7A-7A_n78A-n257E<br>DC_1A-5A-7A-7A_n78A-n257F<br>DC_1A-5A-7A-7A_n78A-n257G<br>DC_1A-5A-7A-7A_n78A-n257H<br>DC_1A-5A-7A-7A_n78A-n257I<br>DC_1A-5A-7A-7A_n78A-n257J<br>DC_1A-5A-7A-7A_n78A-n257K<br>DC_1A-5A-7A-7A_n78A-n257L<br>DC_1A-5A-7A-7A_n78A-n257M<br>DC_1A-5A-7A-7A_n78A-n257A<br>DC_1A-5A-7A-7A_n78A-n257D<br>DC_1A-5A-7A-7A_n78A-n257E<br>DC_1A-5A-7A-7A_n78A-n257F<br>DC_1A-5A-7A-7A_n78A-n257G<br>DC_1A-5A-7A-7A_n78A-n257H<br>DC_1A-5A-7A-7A_n78A-n257I<br>DC_1A-5A-7A-7A_n78A-n257J<br>DC_1A-5A-7A-7A_n78A-n257K<br>DC_1A-5A-7A-7A_n78A-n257L<br>DC_1A-5A-7A-7A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_5A_n78A<br>DC_5A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-5A-7A-7A_n78C-n257A<br>DC_1A-5A-7A-7A_n78C-n257D<br>DC_1A-5A-7A-7A_n78C-n257E<br>DC_1A-5A-7A-7A_n78C-n257F<br>DC_1A-5A-7A-7A_n78C-n257G<br>DC_1A-5A-7A-7A_n78C-n257H<br>DC_1A-5A-7A-7A_n78C-n257I<br>DC_1A-5A-7A-7A_n78C-n257J<br>DC_1A-5A-7A-7A_n78C-n257K<br>DC_1A-5A-7A-7A_n78C-n257L<br>DC_1A-5A-7A-7A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-8A-11A_n77A-n257A<br>DC_1A-8A-11A_n77A-n257D<br>DC_1A-8A-11A_n77A-n257G<br>DC_1A-8A-11A_n77A-n257H<br>DC_1A-8A-11A_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_8A_n77A<br>DC_8A_n257A<br>DC_11A_n77A<br>DC_11A_n257A |
| DC_1A-8A-11A_n77(2A)-n257A<br>DC_1A-8A-11A_n77(2A)-n257D<br>DC_1A-8A-11A_n77(2A)-n257G<br>DC_1A-8A-11A_n77(2A)-n257H<br>DC_1A-8A-11A_n77(2A)-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_8A_n77A<br>DC_8A_n257A<br>DC_11A_n77A<br>DC_11A_n257A |
| DC_1A-18A-41A_n3A-n77A | DC_18A_n3A<br>DC_18A_n77A<br>DC_41A_n3A<br>DC_41A_n77A |
| DC_1A-18A-41C_n3A-n77A | DC_18A_n3A<br>DC_18A_n77A<br>DC_41A_n3A<br>DC_41C_n3A<br>DC_41A_n77A<br>DC_41C_n77A |
| DC_1A-18A-41A_n3A-n78A | DC_18A_n3A<br>DC_18A_n78A<br>DC_41A_n3A<br>DC_41A_n78A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-18A-41C_n3A-n78A | DC_18A_n3A<br>DC_18A_n78A<br>DC_41A_n3A<br>DC_41C_n3A<br>DC_41A_n78A<br>DC_41C_n78A |
| DC_1A-18A-41A_n3A-n257A<br>DC_1A-18A-41A_n3A-n257I | DC_18A_n3A<br>DC_18A_n257A<br>DC_41A_n3A<br>DC_41A_n257A<br>DC_18A_n257I<br>DC_41A_n257I |
| DC_1A-18A-41C_n3A-n257A<br>DC_1A-18A-41C_n3A-n257I | DC_18A_n3A<br>DC_18A_n257A<br>DC_41A_n3A<br>DC_41C_n3A<br>DC_41A_n257A<br>DC_41C_n257A<br>DC_18A_n257I<br>DC_41A_n257I<br>DC_41C_n257I |
| DC_1A-18A-42A_n78A-n257A<br>DC_1A-18A-42A_n78A-n257G<br>DC_1A-18A-42A_n78A-n257H<br>DC_1A-18A-42A_n78A-n257I<br>DC_1A-18A-42C_n78A-n257A<br>DC_1A-18A-42C_n78A-n257G<br>DC_1A-18A-42C_n78A-n257H<br>DC_1A-18A-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_18A_n78A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-19A-42A_n77A-n257A<br>DC_1A-19A-42A_n77A-n257G<br>DC_1A-19A-42A_n77A-n257H<br>DC_1A-19A-42A_n77A-n257I<br>DC_1A-19A-42C_n77A-n257A<br>DC_1A-19A-42C_n77A-n257G<br>DC_1A-19A-42C_n77A-n257H<br>DC_1A-19A-42C_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_19A_n77A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-19A-42A_n78A-n257A<br>DC_1A-19A-42A_n78A-n257G<br>DC_1A-19A-42A_n78A-n257H<br>DC_1A-19A-42A_n78A-n257I<br>DC_1A-19A-42C_n78A-n257A<br>DC_1A-19A-42C_n78A-n257G<br>DC_1A-19A-42C_n78A-n257H<br>DC_1A-19A-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_19A_n78A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-19A-42A_n79A-n257A<br>DC_1A-19A-42A_n79A-n257G<br>DC_1A-19A-42A_n79A-n257H<br>DC_1A-19A-42A_n79A-n257I<br>DC_1A-19A-42C_n79A-n257A<br>DC_1A-19A-42C_n79A-n257G<br>DC_1A-19A-42C_n79A-n257H<br>DC_1A-19A-42C_n79A-n257I | DC_1A_n79A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_19A_n79A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-21A-42A_n77A-n257A<br>DC_1A-21A-42A_n77A-n257G<br>DC_1A-21A-42A_n77A-n257H<br>DC_1A-21A-42A_n77A-n257I<br>DC_1A-21A-42C_n77A-n257A<br>DC_1A-21A-42C_n77A-n257G<br>DC_1A-21A-42C_n77A-n257H<br>DC_1A-21A-42C_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_21A_n77A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-21A-42A_n78A-n257A<br>DC_1A-21A-42A_n78A-n257G<br>DC_1A-21A-42A_n78A-n257H<br>DC_1A-21A-42A_n78A-n257I<br>DC_1A-21A-42C_n78A-n257A<br>DC_1A-21A-42C_n78A-n257G<br>DC_1A-21A-42C_n78A-n257H<br>DC_1A-21A-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_21A_n78A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-21A-42A_n79A-n257A<br>DC_1A-21A-42A_n79A-n257G<br>DC_1A-21A-42A_n79A-n257H<br>DC_1A-21A-42A_n79A-n257I<br>DC_1A-21A-42C_n79A-n257A<br>DC_1A-21A-42C_n79A-n257G<br>DC_1A-21A-42C_n79A-n257H<br>DC_1A-21A-42C_n79A-n257I | DC_1A_n79A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_21A_n79A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_1A-19A-42A_n79A-n257A<br>DC_1A-19A-42A_n79A-n257G<br>DC_1A-19A-42A_n79A-n257H<br>DC_1A-19A-42A_n79A-n257I<br>DC_1A-19A-42C_n79A-n257A<br>DC_1A-19A-42C_n79A-n257G<br>DC_1A-19A-42C_n79A-n257H<br>DC_1A-19A-42C_n79A-n257I | DC_1A_n79A-n257A<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I<br>DC_19A_n79A-n257A<br>DC_19A_n79A-n257G<br>DC_19A_n79A-n257H<br>DC_19A_n79A-n257I |
| DC_1A-21A-42A_n77A-n257A<br>DC_1A-21A-42A_n77A-n257G<br>DC_1A-21A-42A_n77A-n257H<br>DC_1A-21A-42A_n77A-n257I<br>DC_1A-21A-42C_n77A-n257A<br>DC_1A-21A-42C_n77A-n257G<br>DC_1A-21A-42C_n77A-n257H<br>DC_1A-21A-42C_n77A-n257I | DC_1A_n77A-n257A<br>DC_1A_n77A-n257G<br>DC_1A_n77A-n257H<br>DC_1A_n77A-n257I<br>DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I |
| DC_1A-21A-42A_n78A-n257A<br>DC_1A-21A-42A_n78A-n257G<br>DC_1A-21A-42A_n78A-n257H<br>DC_1A-21A-42A_n78A-n257I<br>DC_1A-21A-42C_n78A-n257A<br>DC_1A-21A-42C_n78A-n257G<br>DC_1A-21A-42C_n78A-n257H<br>DC_1A-21A-42C_n78A-n257I | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I |
| DC_1A-21A-42A_n79A-n257A<br>DC_1A-21A-42A_n79A-n257G<br>DC_1A-21A-42A_n79A-n257H<br>DC_1A-21A-42A_n79A-n257I<br>DC_1A-21A-42C_n79A-n257A<br>DC_1A-21A-42C_n79A-n257G<br>DC_1A-21A-42C_n79A-n257H<br>DC_1A-21A-42C_n79A-n257I | DC_1A_n79A-n257A<br>DC_1A_n79A-n257G<br>DC_1A_n79A-n257H<br>DC_1A_n79A-n257I<br>DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I |
| DC_1A-28A-42A_n78A-n257A<br>DC_1A-28A-42A_n78A-n257G<br>DC_1A-28A-42A_n78A-n257H<br>DC_1A-28A-42A_n78A-n257I<br>DC_1A-28A-42C_n78A-n257A<br>DC_1A-28A-42C_n78A-n257G<br>DC_1A-28A-42C_n78A-n257H<br>DC_1A-28A-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-41A-42A_n77A-n257A<br>DC_1A-41A-42A_n77A-n257G<br>DC_1A-41A-42A_n77A-n257H<br>DC_1A-41A-42A_n77A-n257I<br>DC_1A-41A-42C_n77A-n257A<br>DC_1A-41A-42C_n77A-n257G<br>DC_1A-41A-42C_n77A-n257H<br>DC_1A-41A-42C_n77A-n257I<br>DC_1A-41C-42A_n77A-n257A<br>DC_1A-41C-42A_n77A-n257G<br>DC_1A-41C-42A_n77A-n257H<br>DC_1A-41C-42A_n77A-n257I<br>DC_1A-41C-42C_n77A-n257A<br>DC_1A-41C-42C_n77A-n257G<br>DC_1A-41C-42C_n77A-n257H<br>DC_1A-41C-42C_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_41A_n77A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n77A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-41A-42A_n78A-n257A<br>DC_1A-41A-42A_n78A-n257G<br>DC_1A-41A-42A_n78A-n257H<br>DC_1A-41A-42A_n78A-n257I<br>DC_1A-41A-42C_n78A-n257A<br>DC_1A-41A-42C_n78A-n257G<br>DC_1A-41A-42C_n78A-n257H<br>DC_1A-41A-42C_n78A-n257I<br>DC_1A-41C-42A_n78A-n257A<br>DC_1A-41C-42A_n78A-n257G<br>DC_1A-41C-42A_n78A-n257H<br>DC_1A-41C-42A_n78A-n257I<br>DC_1A-41C-42C_n78A-n257A<br>DC_1A-41C-42C_n78A-n257G<br>DC_1A-41C-42C_n78A-n257H<br>DC_1A-41C-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_3A-5A-7A_n78A-n257A<br>DC_3A-5A-7A_n78A-n257D<br>DC_3A-5A-7A_n78A-n257E<br>DC_3A-5A-7A_n78A-n257F<br>DC_3A-5A-7A_n78A-n257G<br>DC_3A-5A-7A_n78A-n257H<br>DC_3A-5A-7A_n78A-n257I<br>DC_3A-5A-7A_n78A-n257J<br>DC_3A-5A-7A_n78A-n257K<br>DC_3A-5A-7A_n78A-n257L<br>DC_3A-5A-7A_n78A-n257M | DC_3A_n78A<br>DC_3A_n257A<br>DC_5A_n78A<br>DC_5A_n257A<br>DC_7A_n78A<br>DC_7A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-5A-7A-7A_n78A-n257A<br>DC_3A-5A-7A-7A_n78A-n257D<br>DC_3A-5A-7A-7A_n78A-n257E<br>DC_3A-5A-7A-7A_n78A-n257F<br>DC_3A-5A-7A-7A_n78A-n257G<br>DC_3A-5A-7A-7A_n78A-n257H<br>DC_3A-5A-7A-7A_n78A-n257I<br>DC_3A-5A-7A-7A_n78A-n257J<br>DC_3A-5A-7A-7A_n78A-n257K<br>DC_3A-5A-7A-7A_n78A-n257L<br>DC_3A-5A-7A-7A_n78A-n257M<br>DC_3A-5A-7A_n78A-n257A<br>DC_3A-5A-7A_n78A-n257D<br>DC_3A-5A-7A_n78A-n257E<br>DC_3A-5A-7A_n78A-n257F<br>DC_3A-5A-7A_n78A-n257G<br>DC_3A-5A-7A_n78A-n257H<br>DC_3A-5A-7A_n78A-n257I<br>DC_3A-5A-7A_n78A-n257J<br>DC_3A-5A-7A_n78A-n257K<br>DC_3A-5A-7A_n78A-n257L<br>DC_3A-5A-7A_n78A-n257M | DC_3A_n78A<br>DC_3A_n257A<br>DC_5A_n78A<br>DC_5A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_3A-7A_n1A-n78A-n257A<br>DC_3A-7A_n1A-n78A-n257D<br>DC_3A-7A_n1A-n78A-n257E<br>DC_3A-7A_n1A-n78A-n257F<br>DC_3A-7A_n1A-n78A-n257G<br>DC_3A-7A_n1A-n78A-n257H<br>DC_3A-7A_n1A-n78A-n257I<br>DC_3A-7A_n1A-n78A-n257J<br>DC_3A-7A_n1A-n78A-n257K<br>DC_3A-7A_n1A-n78A-n257L<br>DC_3A-7A_n1A-n78A-n257M | DC_3A_n1A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_7A_n1A<br>DC_7A_n78A<br>DC_7A_n257A |
| DC_3A-3A-7A_n1A-n78A-n257A<br>DC_3A-3A-7A_n1A-n78A-n257D<br>DC_3A-3A-7A_n1A-n78A-n257E<br>DC_3A-3A-7A_n1A-n78A-n257F<br>DC_3A-3A-7A_n1A-n78A-n257G<br>DC_3A-3A-7A_n1A-n78A-n257H<br>DC_3A-3A-7A_n1A-n78A-n257I<br>DC_3A-3A-7A_n1A-n78A-n257J<br>DC_3A-3A-7A_n1A-n78A-n257K<br>DC_3A-3A-7A_n1A-n78A-n257L<br>DC_3A-3A-7A_n1A-n78A-n257M | DC_3A_n1A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_7A_n1A<br>DC_7A_n78A<br>DC_7A_n257A |
| DC_3A-7A-7A_n1A-n78A-n257A<br>DC_3A-7A-7A_n1A-n78A-n257D<br>DC_3A-7A-7A_n1A-n78A-n257E<br>DC_3A-7A-7A_n1A-n78A-n257F<br>DC_3A-7A-7A_n1A-n78A-n257G<br>DC_3A-7A-7A_n1A-n78A-n257H<br>DC_3A-7A-7A_n1A-n78A-n257I<br>DC_3A-7A-7A_n1A-n78A-n257J<br>DC_3A-7A-7A_n1A-n78A-n257K<br>DC_3A-7A-7A_n1A-n78A-n257L<br>DC_3A-7A-7A_n1A-n78A-n257M | DC_3A_n1A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_7A_n1A<br>DC_7A_n78A<br>DC_7A_n257A |
| DC_3A-3A-7A-7A_n1A-n78A-n257A<br>DC_3A-3A-7A-7A_n1A-n78A-n257D<br>DC_3A-3A-7A-7A_n1A-n78A-n257E<br>DC_3A-3A-7A-7A_n1A-n78A-n257F<br>DC_3A-3A-7A-7A_n1A-n78A-n257G<br>DC_3A-3A-7A-7A_n1A-n78A-n257H<br>DC_3A-3A-7A-7A_n1A-n78A-n257I<br>DC_3A-3A-7A-7A_n1A-n78A-n257J<br>DC_3A-3A-7A-7A_n1A-n78A-n257K<br>DC_3A-3A-7A-7A_n1A-n78A-n257L<br>DC_3A-3A-7A-7A_n1A-n78A-n257M | DC_3A_n1A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_7A_n1A<br>DC_7A_n78A<br>DC_7A_n257A |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-5A-7A_n78C-n257A<br>DC_3A-5A-7A_n78C-n257D<br>DC_3A-5A-7A_n78C-n257E<br>DC_3A-5A-7A_n78C-n257F<br>DC_3A-5A-7A_n78C-n257G<br>DC_3A-5A-7A_n78C-n257H<br>DC_3A-5A-7A_n78C-n257I<br>DC_3A-5A-7A_n78C-n257J<br>DC_3A-5A-7A_n78C-n257K<br>DC_3A-5A-7A_n78C-n257L<br>DC_3A-5A-7A_n78C-n257M | DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_3A-7A-8A_n40A-n258A<br>DC_3A-7A-8A_n40A-n258D<br>DC_3A-7A-8A_n40A-n258E<br>DC_3A-7A-8A_n40A-n258F<br>DC_3A-7A-8A_n40A-n258G<br>DC_3A-7A-8A_n40A-n258H<br>DC_3A-7A-8A_n40A-n258I<br>DC_3A-7A-8A_n40A-n258J<br>DC_3A-7A-8A_n40A-n258K<br>DC_3A-7A-8A_n40A-n258L<br>DC_3A-7A-8A_n40A-n258M | DC_3A_n40A<br>DC_3A_n258A<br>DC_7A_n40A<br>DC_7A_n258A<br>DC_8A_n40A<br>DC_8A_n258A |
| DC_3A-7A-8A_n78A-n258A<br>DC_3A-7A-8A_n78A-n258D<br>DC_3A-7A-8A_n78A-n258E<br>DC_3A-7A-8A_n78A-n258F<br>DC_3A-7A-8A_n78A-n258G<br>DC_3A-7A-8A_n78A-n258H<br>DC_3A-7A-8A_n78A-n258I<br>DC_3A-7A-8A_n78A-n258J<br>DC_3A-7A-8A_n78A-n258K<br>DC_3A-7A-8A_n78A-n258L<br>DC_3A-7A-8A_n78A-n258M | DC_3A_n78A<br>DC_3A_n258A<br>DC_7A_n78A<br>DC_7A_n258A<br>DC_8A_n78A<br>DC_8A_n258A |
| DC_3A-18A-42A_n78A-n257A<br>DC_3A-18A-42A_n78A-n257G<br>DC_3A-18A-42A_n78A-n257H<br>DC_3A-18A-42A_n78A-n257I<br>DC_3A-18A-42C_n78A-n257A<br>DC_3A-18A-42C_n78A-n257G<br>DC_3A-18A-42C_n78A-n257H<br>DC_3A-18A-42C_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_18A_n78A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-41A-42A_n77A-n257A<br>DC_3A-41A-42A_n77A-n257G<br>DC_3A-41A-42A_n77A-n257H<br>DC_3A-41A-42A_n77A-n257I<br>DC_3A-41A-42C_n77A-n257A<br>DC_3A-41A-42C_n77A-n257G<br>DC_3A-41A-42C_n77A-n257H<br>DC_3A-41A-42C_n77A-n257I<br>DC_3A-41C-42A_n77A-n257A<br>DC_3A-41C-42A_n77A-n257G<br>DC_3A-41C-42A_n77A-n257H<br>DC_3A-41C-42A_n77A-n257I<br>DC_3A-41C-42C_n77A-n257A<br>DC_3A-41C-42C_n77A-n257G<br>DC_3A-41C-42C_n77A-n257H<br>DC_3A-41C-42C_n77A-n257I | DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n77A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n77A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_3A-28A-41A_n78A-n257A<br>DC_3A-28A-41A_n78A-n257G<br>DC_3A-28A-41A_n78A-n257H<br>DC_3A-28A-41A_n78A-n257I<br>DC_3A-28A-41C_n78A-n257A<br>DC_3A-28A-41C_n78A-n257G<br>DC_3A-28A-41C_n78A-n257H<br>DC_3A-28A-41C_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I |
| DC_3A-28A-42A_n78A-n257A<br>DC_3A-28A-42A_n78A-n257G<br>DC_3A-28A-42A_n78A-n257H<br>DC_3A-28A-42A_n78A-n257I<br>DC_3A-28A-42C_n78A-n257A<br>DC_3A-28A-42C_n78A-n257G<br>DC_3A-28A-42C_n78A-n257H<br>DC_3A-28A-42C_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_3A-41A-42A_n78A-n257A<br>DC_3A-41A-42A_n78A-n257G<br>DC_3A-41A-42A_n78A-n257H<br>DC_3A-41A-42A_n78A-n257I<br>DC_3A-41A-42C_n78A-n257A<br>DC_3A-41A-42C_n78A-n257G<br>DC_3A-41A-42C_n78A-n257H<br>DC_3A-41A-42C_n78A-n257I<br>DC_3A-41C-42A_n78A-n257A<br>DC_3A-41C-42A_n78A-n257G<br>DC_3A-41C-42A_n78A-n257H<br>DC_3A-41C-42A_n78A-n257I<br>DC_3A-41C-42C_n78A-n257A<br>DC_3A-41C-42C_n78A-n257G<br>DC_3A-41C-42C_n78A-n257H<br>DC_3A-41C-42C_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_19A-21A-42A_n77A-n257A<br>DC_19A-21A-42A_n77A-n257G<br>DC_19A-21A-42A_n77A-n257H<br>DC_19A-21A-42A_n77A-n257I<br>DC_19A-21A-42C_n77A-n257A<br>DC_19A-21A-42C_n77A-n257G<br>DC_19A-21A-42C_n77A-n257H<br>DC_19A-21A-42C_n77A-n257I | DC_19A_n77A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n77A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_19A-21A-42A_n78A-n257A<br>DC_19A-21A-42A_n78A-n257G<br>DC_19A-21A-42A_n78A-n257H<br>DC_19A-21A-42A_n78A-n257I<br>DC_19A-21A-42C_n78A-n257A<br>DC_19A-21A-42C_n78A-n257G<br>DC_19A-21A-42C_n78A-n257H<br>DC_19A-21A-42C_n78A-n257I | DC_19A_n78A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n78A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |
| DC_19A-21A-42A_n79A-n257A<br>DC_19A-21A-42A_n79A-n257G<br>DC_19A-21A-42A_n79A-n257H<br>DC_19A-21A-42A_n79A-n257I<br>DC_19A-21A-42C_n79A-n257A<br>DC_19A-21A-42C_n79A-n257G<br>DC_19A-21A-42C_n79A-n257H<br>DC_19A-21A-42C_n79A-n257I | DC_19A_n79A<br>DC_19A_n257A<br>DC_19A_n257G<br>DC_19A_n257H<br>DC_19A_n257I<br>DC_21A_n79A<br>DC_21A_n257A<br>DC_21A_n257G<br>DC_21A_n257H<br>DC_21A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I |

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_19A-21A-42A_n77A-n257A<br>DC_19A-21A-42A_n77A-n257G<br>DC_19A-21A-42A_n77A-n257H<br>DC_19A-21A-42A_n77A-n257I<br>DC_19A-21A-42C_n77A-n257A<br>DC_19A-21A-42C_n77A-n257G<br>DC_19A-21A-42C_n77A-n257H<br>DC_19A-21A-42C_n77A-n257I | DC_19A_n77A-n257A<br>DC_19A_n77A-n257G<br>DC_19A_n77A-n257H<br>DC_19A_n77A-n257I<br>DC_21A_n77A-n257A<br>DC_21A_n77A-n257G<br>DC_21A_n77A-n257H<br>DC_21A_n77A-n257I |
| DC_19A-21A-42A_n78A-n257A<br>DC_19A-21A-42A_n78A-n257G<br>DC_19A-21A-42A_n78A-n257H<br>DC_19A-21A-42A_n78A-n257I<br>DC_19A-21A-42C_n78A-n257A<br>DC_19A-21A-42C_n78A-n257G<br>DC_19A-21A-42C_n78A-n257H<br>DC_19A-21A-42C_n78A-n257I | DC_19A_n78A-n257A<br>DC_19A_n78A-n257G<br>DC_19A_n78A-n257H<br>DC_19A_n78A-n257I<br>DC_21A_n78A-n257A<br>DC_21A_n78A-n257G<br>DC_21A_n78A-n257H<br>DC_21A_n78A-n257I |
| DC_19A-21A-42A_n79A-n257A<br>DC_19A-21A-42A_n79A-n257G<br>DC_19A-21A-42A_n79A-n257H<br>DC_19A-21A-42A_n79A-n257I<br>DC_19A-21A-42C_n79A-n257A<br>DC_19A-21A-42C_n79A-n257G<br>DC_19A-21A-42C_n79A-n257H<br>DC_19A-21A-42C_n79A-n257I | DC_19A_n79A-n257A<br>DC_19A_n79A-n257G<br>DC_19A_n79A-n257H<br>DC_19A_n79A-n257I<br>DC_21A_n79A-n257A<br>DC_21A_n79A-n257G<br>DC_21A_n79A-n257H<br>DC_21A_n79A-n257I |
| DC_28A-41A-42A_n78A-n257A<br>DC_28A-41A-42A_n78A-n257G<br>DC_28A-41A-42A_n78A-n257H<br>DC_28A-41A-42A_n78A-n257I<br>DC_28A-41A-42C_n78A-n257A<br>DC_28A-41A-42C_n78A-n257G<br>DC_28A-41A-42C_n78A-n257H<br>DC_28A-41A-42C_n78A-n257I<br>DC_28A-41C-42A_n78A-n257A<br>DC_28A-41C-42A_n78A-n257G<br>DC_28A-41C-42A_n78A-n257H<br>DC_28A-41C-42A_n78A-n257I<br>DC_28A-41C-42C_n78A-n257A<br>DC_28A-41C-42C_n78A-n257G<br>DC_28A-41C-42C_n78A-n257H<br>DC_28A-41C-42C_n78A-n257I | DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications. | |

### 5.5B.6.5 Inter-band EN-DC configurations including FR1 and FR2 (six bands)

**Table 5.5B.6.5-1: Inter-band EN-DC configurations including FR1 and FR2 (six bands)**

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
|---|---|
| DC_1A-3A-5A-7A-7A_n78A-n257A<br>DC_1A-3A-5A-7A-7A_n78A-n257D<br>DC_1A-3A-5A-7A-7A_n78A-n257E<br>DC_1A-3A-5A-7A-7A_n78A-n257F<br>DC_1A-3A-5A-7A-7A_n78A-n257G<br>DC_1A-3A-5A-7A-7A_n78A-n257H<br>DC_1A-3A-5A-7A-7A_n78A-n257I<br>DC_1A-3A-5A-7A-7A_n78A-n257J<br>DC_1A-3A-5A-7A-7A_n78A-n257K<br>DC_1A-3A-5A-7A-7A_n78A-n257L<br>DC_1A-3A-5A-7A-7A_n78A-n257M | DC_1A_n78A<br>DC_3A_n78A<br>DC_5A_n78A<br>DC_7A_n78A<br>DC_1A_n257A<br>DC_3A_n257A<br>DC_5A_n257A<br>DC_7A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-3A-5A-7A-7A_n78C-n257A<br>DC_1A-3A-5A-7A-7A_n78C-n257D<br>DC_1A-3A-5A-7A-7A_n78C-n257E<br>DC_1A-3A-5A-7A-7A_n78C-n257F<br>DC_1A-3A-5A-7A-7A_n78C-n257G<br>DC_1A-3A-5A-7A-7A_n78C-n257H<br>DC_1A-3A-5A-7A-7A_n78C-n257I<br>DC_1A-3A-5A-7A-7A_n78C-n257J<br>DC_1A-3A-5A-7A-7A_n78C-n257K<br>DC_1A-3A-5A-7A-7A_n78C-n257L<br>DC_1A-3A-5A-7A-7A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-3A-5A-7A_n78A-n257A<br>DC_1A-3A-5A-7A_n78A-n257D<br>DC_1A-3A-5A-7A_n78A-n257E<br>DC_1A-3A-5A-7A_n78A-n257F<br>DC_1A-3A-5A-7A_n78A-n257G<br>DC_1A-3A-5A-7A_n78A-n257H<br>DC_1A-3A-5A-7A_n78A-n257I<br>DC_1A-3A-5A-7A_n78A-n257J<br>DC_1A-3A-5A-7A_n78A-n257K<br>DC_1A-3A-5A-7A_n78A-n257L<br>DC_1A-3A-5A-7A_n78A-n257M | DC_1A_n78A<br>DC_1A_n257A<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_5A_n78A<br>DC_5A_n257A<br>DC_7A_n78A<br>DC_7A_n257A<br>DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |

| | |
|---|---|
| DC_1A-3A-5A-7A_n78C-n257A<br>DC_1A-3A-5A-7A_n78C-n257D<br>DC_1A-3A-5A-7A_n78C-n257E<br>DC_1A-3A-5A-7A_n78C-n257F<br>DC_1A-3A-5A-7A_n78C-n257G<br>DC_1A-3A-5A-7A_n78C-n257H<br>DC_1A-3A-5A-7A_n78C-n257I<br>DC_1A-3A-5A-7A_n78C-n257J<br>DC_1A-3A-5A-7A_n78C-n257K<br>DC_1A-3A-5A-7A_n78C-n257L<br>DC_1A-3A-5A-7A_n78C-n257M | DC_1A_n78A-n257A<br>DC_1A_n78A-n257G<br>DC_1A_n78A-n257H<br>DC_1A_n78A-n257I<br>DC_3A_n78A-n257A<br>DC_3A_n78A-n257G<br>DC_3A_n78A-n257H<br>DC_3A_n78A-n257I<br>DC_5A_n78A-n257A<br>DC_5A_n78A-n257G<br>DC_5A_n78A-n257H<br>DC_5A_n78A-n257I<br>DC_7A_n78A-n257A<br>DC_7A_n78A-n257G<br>DC_7A_n78A-n257H<br>DC_7A_n78A-n257I |
| DC_1A-3A-18A-42A_n78A-n257A<br>DC_1A-3A-18A-42A_n78A-n257G<br>DC_1A-3A-18A-42A_n78A-n257H<br>DC_1A-3A-18A-42A_n78A-n257I<br>DC_1A-3A-18A-42C_n78A-n257A<br>DC_1A-3A-18A-42C_n78A-n257G<br>DC_1A-3A-18A-42C_n78A-n257H<br>DC_1A-3A-18A-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_18A_n78A<br>DC_18A_n257A<br>DC_18A_n257G<br>DC_18A_n257H<br>DC_18A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-3A-28A-42A_n78A-n257A<br>DC_1A-3A-28A-42A_n78A-n257G<br>DC_1A-3A-28A-42A_n78A-n257H<br>DC_1A-3A-28A-42A_n78A-n257I<br>DC_1A-3A-28A-42C_n78A-n257A<br>DC_1A-3A-28A-42C_n78A-n257G<br>DC_1A-3A-28A-42C_n78A-n257H<br>DC_1A-3A-28A-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| | |
|---|---|
| DC_1A-3A-41A-42A_n77A-n257A<br>DC_1A-3A-41A-42A_n77A-n257G<br>DC_1A-3A-41A-42A_n77A-n257H<br>DC_1A-3A-41A-42A_n77A-n257I<br>DC_1A-3A-41C-42A_n77A-n257A<br>DC_1A-3A-41C-42A_n77A-n257G<br>DC_1A-3A-41C-42A_n77A-n257H<br>DC_1A-3A-41C-42A_n77A-n257I<br>DC_1A-3A-41A-42C_n77A-n257A<br>DC_1A-3A-41A-42C_n77A-n257G<br>DC_1A-3A-41A-42C_n77A-n257H<br>DC_1A-3A-41A-42C_n77A-n257I<br>DC_1A-3A-41C-42C_n77A-n257A<br>DC_1A-3A-41C-42C_n77A-n257G<br>DC_1A-3A-41C-42C_n77A-n257H<br>DC_1A-3A-41C-42C_n77A-n257I | DC_1A_n77A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n77A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n77A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n77A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| DC_1A-3A-41A-42A_n78A-n257A<br>DC_1A-3A-41A-42A_n78A-n257G<br>DC_1A-3A-41A-42A_n78A-n257H<br>DC_1A-3A-41A-42A_n78A-n257I<br>DC_1A-3A-41A-42C_n78A-n257A<br>DC_1A-3A-41A-42C_n78A-n257G<br>DC_1A-3A-41A-42C_n78A-n257H<br>DC_1A-3A-41A-42C_n78A-n257I<br>DC_1A-3A-41C-42A_n78A-n257A<br>DC_1A-3A-41C-42A_n78A-n257G<br>DC_1A-3A-41C-42A_n78A-n257H<br>DC_1A-3A-41C-42A_n78A-n257I<br>DC_1A-3A-41C-42C_n78A-n257A<br>DC_1A-3A-41C-42C_n78A-n257G<br>DC_1A-3A-41C-42C_n78A-n257H<br>DC_1A-3A-41C-42C_n78A-n257I | DC_1A_n78A<br>DC_1A_n257A<br>DC_1A_n257G<br>DC_1A_n257H<br>DC_1A_n257I<br>DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |

| | |
|---|---|
| DC_3A-28A-41A-42A_n78A-n257A<br>DC_3A-28A-41A-42A_n78A-n257G<br>DC_3A-28A-41A-42A_n78A-n257H<br>DC_3A-28A-41A-42A_n78A-n257I<br>DC_3A-28A-41A-42C_n78A-n257A<br>DC_3A-28A-41A-42C_n78A-n257G<br>DC_3A-28A-41A-42C_n78A-n257H<br>DC_3A-28A-41A-42C_n78A-n257I<br>DC_3A-28A-41C-42A_n78A-n257A<br>DC_3A-28A-41C-42A_n78A-n257G<br>DC_3A-28A-41C-42A_n78A-n257H<br>DC_3A-28A-41C-42A_n78A-n257I<br>DC_3A-28A-41C-42C_n78A-n257A<br>DC_3A-28A-41C-42C_n78A-n257G<br>DC_3A-28A-41C-42C_n78A-n257H<br>DC_3A-28A-41C-42C_n78A-n257I | DC_3A_n78A<br>DC_3A_n257A<br>DC_3A_n257G<br>DC_3A_n257H<br>DC_3A_n257I<br>DC_28A_n78A<br>DC_28A_n257A<br>DC_28A_n257G<br>DC_28A_n257H<br>DC_28A_n257I<br>DC_41A_n78A<br>DC_41A_n257A<br>DC_41A_n257G<br>DC_41A_n257H<br>DC_41A_n257I<br>DC_41C_n78A<br>DC_41C_n257A<br>DC_41C_n257G<br>DC_41C_n257H<br>DC_41C_n257I<br>DC_42A_n257A<br>DC_42A_n257G<br>DC_42A_n257H<br>DC_42A_n257I<br>DC_42C_n257A<br>DC_42C_n257G<br>DC_42C_n257H<br>DC_42C_n257I |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications | |

## 5.5B.7 Inter-band NR-DC between FR1 and FR2

### 5.5B.7.1 Inter-band NR-DC configurations between FR1 and FR2 (two bands)

**Table 5.5B.7-1: Inter-band NR-DC configurations between FR1 and FR2 (two bands)**

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n1A-n257A<br>DC_n1A-n257G<br>DC_n1A-n257H<br>DC_n1A-n257I | DC_n1A-n257A<br>DC_n1A-n257G<br>DC_n1A-n257H<br>DC_n1A-n257I |
| DC_n1A-n258A<br>DC_n1A-n258G<br>DC_n1A-n258H<br>DC_n1A-n258I<br>DC_n1A-n258J<br>DC_n1A-n258K<br>DC_n1A-n258L<br>DC_n1A-n258M | DC_n1A-n258A |
| DC_n2A-n260A<br>DC_n2A-n260G<br>DC_n2A-n260H<br>DC_n2A-n260I<br>DC_n2A-n260J<br>DC_n2A-n260K<br>DC_n2A-n260L<br>DC_n2A-n260M | DC_n2A-n260A<br>DC_n2A-n260G<br>DC_n2A-n260H<br>DC_n2A-n260I<br>DC_n2A-n260K<br>DC_n2A-n260L<br>DC_n2A-n260M |
| DC_n2A-n261A<br>DC_n2A-n261G<br>DC_n2A-n261H<br>DC_n2A-n261I<br>DC_n2A-n261J<br>DC_n2A-n261K<br>DC_n2A-n261L<br>DC_n2A-n261M | DC_n2A-n261A<br>DC_n2A-n261G<br>DC_n2A-n261H<br>DC_n2A-n261I |
| DC_n2A-n261(2A)<br>DC_n2A-n261(3A)<br>DC_n2A-n261(4A) | DC_n2A-n261A |
| DC_n2A-n261(2G)<br>DC_n2A-n261(2H)<br>DC_n2A-n261(2I)<br>DC_n2A-n261(A-G)<br>DC_n2A-n261(A-H)<br>DC_n2A-n261(A-I)<br>DC_n2A-n261(A-J)<br>DC_n2A-n261(A-K)<br>DC_n2A-n261(A-L)<br>DC_n2A-n261(G-H)<br>DC_n2A-n261(H-I)<br>DC_n2A-n261(G-I)<br>DC_n2A-n261(A-G-H)<br>DC_n2A-n261(A-G-I)<br>DC_n2A-n261(2A-H)<br>DC_n2A-n261(2A-G)<br>DC_n2A-n261(2A-I)<br>DC_n2A-n261(A-2G) | DC_n2A-n261A<br>DC_n2A-n261G<br>DC_n2A-n261H<br>DC_n2A-n261I |
| DC_n3A-n257A<br>DC_n3A-n257D<br>DC_n3A-n257G<br>DC_n3A-n257H<br>DC_n3A-n257I | DC_n3A-n257A<br>DC_n3A-n257D<br>DC_n3A-n257G<br>DC_n3A-n257H<br>DC_n3A-n257I |
| DC_n5A-n260A<br>DC_n5A-n260G<br>DC_n5A-n260H<br>DC_n5A-n260I<br>DC_n5A-n260J<br>DC_n5A-n260K<br>DC_n5A-n260L<br>DC_n5A-n260M | DC_n5A-n260A,<br>DC_n5A-n260G,<br>DC_n5A-n260H,<br>DC_n5A-n260I<br>DC_n5A-n260K,<br>DC_n5A-n260L,<br>DC_n5A-n260M |

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n40A-n258A<br>DC_n40A-n258G<br>DC_n40A-n258H<br>DC_n40A-n258I<br>DC_n40A-n258J<br>DC_n40A-n258K<br>DC_n40A-n258L<br>DC_n40A-n258M | DC_n40A-n258A |
| DC_n5A-n261A<br>DC_n5A-n261G<br>DC_n5A-n261H<br>DC_n5A-n261I<br>DC_n5A-n261J<br>DC_n5A-n261K<br>DC_n5A-n261L<br>DC_n5A-n261M | DC_n5A-n261A<br>DC_n5A-n261G<br>DC_n5A-n261H<br>DC_n5A-n261I |
| DC_n5A-n261(2A)<br>DC_n5A-n261(3A)<br>DC_n5A-n261(4A) | DC_n5A-n261A |
| DC_n5A-n261(2G)<br>DC_n5A-n261(2H)<br>DC_n5A-n261(2I)<br>DC_n5A-n261(A-G)<br>DC_n5A-n261(A-H)<br>DC_n5A-n261(A-I)<br>DC_n5A-n261(A-J)<br>DC_n5A-n261(A-K)<br>DC_n5A-n261(A-L)<br>DC_n5A-n261(G-H)<br>DC_n5A-n261(H-I)<br>DC_n5A-n261(G-I)<br>DC_n5A-n261(A-G-H)<br>DC_n5A-n261(A-G-I)<br>DC_n5A-n261(2A-H)<br>DC_n5A-n261(2A-G)<br>DC_n5A-n261(2A-I)<br>DC_n5A-n261(A-2G) | DC_n5A-n261A<br>DC_n5A-n261G<br>DC_n5A-n261H<br>DC_n5A-n261I |
| DC_n25A-n258A<br>DC_n25A-n258(2A)<br>DC_n25A-n258(3A)<br>DC_n25A-n258(4A)<br>DC_n25A-n258(5A) | DC_n25A-n258A |
| DC_n25A-n260A<br>DC_n25A-n260G<br>DC_n25A-n260H<br>DC_n25A-n260I<br>DC_n25A-n260J<br>DC_n25A-n260K<br>DC_n25A-n260L<br>DC_n25A-n260M | DC_n25A-n260A |
| DC_n25A-n260(2A)<br>DC_n25A-n260(3A)<br>DC_n25A-n260(4A)<br>DC_n25A-n260(5A)<br>DC_n25A-n260(6A)<br>DC_n25A-n260(7A)<br>DC_n25A-n260(8A) | DC_n25A-n260A |
| DC_n25A-n261A<br>DC_n25A-n261(2A) | DC_n25A-n261A |
| DC_n28A-n257A<br>DC_n28A-n257D<br>DC_n28A-n257G<br>DC_n28A-n257H<br>DC_n28A-n257I | DC_n28A-n257A<br>DC_n28A-n257D<br>DC_n28A-n257G<br>DC_n28A-n257H<br>DC_n28A-n257I |

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n40A-n258A<br>DC_n40A-n258G<br>DC_n40A-n258H<br>DC_n40A-n258I<br>DC_n40A-n258J<br>DC_n40A-n258K<br>DC_n40A-n258L<br>DC_n40A-n258M | DC_n40A-n258A |
| DC_n41A-n258A<br>DC_n41C-n258A | DC_n41A-n258A |
| DC_n41A-n258(2A)<br>DC_n41A-n258(3A)<br>DC_n41A-n258(4A)<br>DC_n41A-n258(5A)<br>DC_n41C-n258(2A)<br>DC_n41C-n258(3A)<br>DC_n41C-n258(4A)<br>DC_n41C-n258(5A)<br>DC_n41(2A)-n258A<br>DC_n41(2A)-n258(2A)<br>DC_n41(2A)-n258(3A)<br>DC_n41(2A)-n258(4A)<br>DC_n41(2A)-n258(5A) | DC_n41A-n258A |
| DC_n41A-n260A<br>DC_n41A-n260(2A)<br>DC_n41A-n260(3A)<br>DC_n41A-n260(4A)<br>DC_n41A-n260(5A)<br>DC_n41A-n260(6A)<br>DC_n41A-n260(7A)<br>DC_n41A-n260(8A)<br>DC_n41A-n260G<br>DC_n41A-n260H<br>DC_n41A-n260I<br>DC_n41A-n260J<br>DC_n41A-n260K<br>DC_n41A-n260L<br>DC_n41A-n260M | DC_n41A-n260A |
| DC_n41(2A)-n260A<br>DC_n41(2A)-n260(2A)<br>DC_n41(2A)-n260(3A)<br>DC_n41(2A)-n260(4A)<br>DC_n41(2A)-n260(5A)<br>DC_n41(2A)-n260(6A)<br>DC_n41(2A)-n260(7A)<br>DC_n41(2A)-n260(8A)<br>DC_n41(2A)-n260G<br>DC_n41(2A)-n260H<br>DC_n41(2A)-n260I<br>DC_n41(2A)-n260J<br>DC_n41(2A)-n260K<br>DC_n41(2A)-n260L<br>DC_n41(2A)-n260M | DC_n41A-n260A |

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n41C-n260A<br>DC_n41C-n260(2A)<br>DC_n41C-n260(3A)<br>DC_n41C-n260(4A)<br>DC_n41C-n260(5A)<br>DC_n41C-n260(6A)<br>DC_n41C-n260(7A)<br>DC_n41C-n260(8A)<br>DC_n41C-n260G<br>DC_n41C-n260H<br>DC_n41C-n260I<br>DC_n41C-n260J<br>DC_n41C-n260K<br>DC_n41C-n260L<br>DC_n41C-n260M | DC_n41A-n260A |
| DC_n41A-n261A<br>DC_n41C-n261A | DC_n41A-n261A |
| DC_n41A-n261(2A)<br>DC_n41C-n261(2A)<br>DC_n41(2A)-n261A<br>DC_n41(2A)-n261(2A) | DC_n41A-n261A |
| DC_n66A-n258A<br>DC_n66A-n258(2A)<br>DC_n66A-n258(3A)<br>DC_n66A-n258(4A)<br>DC_n66A-n258(5A) | DC_n66A-n258A |
| DC_n66A-n260A<br>DC_n66A-n260G<br>DC_n66A-n260H<br>DC_n66A-n260I<br>DC_n66A-n260J<br>DC_n66A-n260K<br>DC_n66A-n260L<br>DC_n66A-n260M | DC_n66A-n260A<br>DC_n66A-n260G<br>DC_n66A-n260H<br>DC_n66A-n260I<br>DC_n66A-n260K<br>DC_n66A-n260L<br>DC_n66A-n260M |
| DC_n66A-n260(2A)<br>DC_n66A-n260(3A)<br>DC_n66A-n260(4A)<br>DC_n66A-n260(5A)<br>DC_n66A-n260(6A)<br>DC_n66A-n260(7A)<br>DC_n66A-n260(8A) | DC_n66A-n260A |
| DC_n66A-n261A<br>DC_n66A-n261G<br>DC_n66A-n261H<br>DC_n66A-n261I<br>DC_n66A-n261J<br>DC_n66A-n261K<br>DC_n66A-n261L<br>DC_n66A-n261M<br>DC_n66A-n261O<br>DC_n66A-n261P<br>DC_n66A-n261Q | DC_n66A-n261A<br>DC_n66A_n261G<br>DC_n66A_n261H<br>DC_n66A_n261I |
| DC_n66A-n261(2A)<br>DC_n66A-n261(3A)<br>DC_n66A-n261(4A) | DC_n66A-n261A |

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n66A-n261(2G)<br>DC_n66A-n261(2H)<br>DC_n66A-n261(2I)<br>DC_n66A-n261(A-G)<br>DC_n66A-n261(A-H)<br>DC_n66A-n261(A-I)<br>DC_n66A-n261(A-J)<br>DC_n66A-n261(A-K)<br>DC_n66A-n261(A-L)<br>DC_n66A-n261(G-H)<br>DC_n66A-n261(H-I)<br>DC_n66A-n261(G-I)<br>DC_n66A-n261(A-G-H)<br>DC_n66A-n261(A-G-I)<br>DC_n66A-n261(2A-H)<br>DC_n66A-n261(2A-G)<br>DC_n66A-n261(2A-I)<br>DC_n66A-n261(A-2G) | DC_n66A-n261A<br>DC_n66A-n261G<br>DC_n66A-n261H<br>DC_n66A-n261I |
| DC_n77A-n257A<br>DC_n77A-n257D<br>DC_n77A-n257E<br>DC_n77A-n257F<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I<br>DC_n77A-n257J<br>DC_n77A-n257K<br>DC_n77A-n257L<br>DC_n77A-n257M<br>DC_n77C-n257A<br>DC_n77C-n257D<br>DC_n77C-n257E<br>DC_n77C-n257F | DC_n77A-n257A<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I<br>DC_n77A-n257J<br>DC_n77A-n257K<br>DC_n77A-n257L<br>DC_n77A-n257M |
| DC_n77(2A)-n257A<br>DC_n77(2A)-n257G<br>DC_n77(2A)-n257H<br>DC_n77(2A)-n257I<br>DC_n77(2A)-n257J<br>DC_n77(2A)-n257K<br>DC_n77(2A)-n257L<br>DC_n77(2A)-n257M | DC_n77A-n257A<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I<br>DC_n77A-n257J<br>DC_n77A-n257K<br>DC_n77A-n257L<br>DC_n77A-n257M |
| DC_n77A-n260A<br>DC_n77A-n260G<br>DC_n77A-n260H<br>DC_n77A-n260I<br>DC_n77A-n260J<br>DC_n77A-n260K<br>DC_n77A-n260L<br>DC_n77A-n260M | DC_n77A-n260A<br>DC_n77A-n260G<br>DC_n77A-n260H<br>DC_n77A-n260I |
| DC_n77A-n261A<br>DC_n77A-n261G<br>DC_n77A-n261H<br>DC_n77A-n261I<br>DC_n77A-n261J<br>DC_n77A-n261K<br>DC_n77A-n261L<br>DC_n77A-n261M | DC_n77A-n261A<br>DC_n77A-n261G<br>DC_n77A-n261H<br>DC_n77A-n261I<br>DC_n77A-n261J<br>DC_n77A-n261K<br>DC_n77A-n261L<br>DC_n77A-n261M |
| DC_n77A-n261(2A)<br>DC_n77A-n261(2G)<br>DC_n77A-n261(2H)<br>DC_n77A-n261(2I)<br>DC_n77A-n261(3A)<br>DC_n77A-n261(4A) | DC_n77A-n261A |

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n77A-n261(A-G)<br>DC_n77A-n261(A-H)<br>DC_n77A-n261(A-I)<br>DC_n77A-n261(G-H)<br>DC_n77A-n261(G-I)<br>DC_n77A-n261(H-I)<br>DC_n77A-n261(A-J)<br>DC_n77A-n261(A-K)<br>DC_n77A-n261(A-L)<br>DC_n77A-n261(A-G-H)<br>DC_n77A-n261(A-G-I)<br>DC_n77A-n261(2A-H)<br>DC_n77A-n261(2A-G)<br>DC_n77A-n261(2A-I)<br>DC_n77A-n261(A-2G | DC_n77A-n261A<br>DC_n77A-n261G<br>DC_n77A-n261H<br>DC_n77A-n261I |
| DC_n78A-n257A<br>DC_n78A-n257D<br>DC_n78A-n257E<br>DC_n78A-n257F<br>DC_n78A-n257G<br>DC_n78A-n257H<br>DC_n78A-n257I<br>DC_n78A-n257J<br>DC_n78A-n257K<br>DC_n78A-n257L<br>DC_n78A-n257M<br>DC_n78C-n257A<br>DC_n78C-n257D<br>DC_n78C-n257E<br>DC_n78C-n257F | DC_n78A-n257A<br>DC_n78A-n257G<br>DC_n78A-n257H<br>DC_n78A-n257I |
| DC_n78A-n258A<br>DC_n78A-n258G<br>DC_n78A-n258H<br>DC_n78A-n258I<br>DC_n78A-n258J<br>DC_n78A-n258K<br>DC_n78A-n258L<br>DC_n78A-n258M | DC_n78A-n258A |
| DC_n79A-n257A<br>DC_n79A-n257D<br>DC_n79A-n257E<br>DC_n79A-n257F<br>DC_n79A-n257G<br>DC_n79A-n257H<br>DC_n79A-n257I<br>DC_n79A-n257J<br>DC_n79A-n257K<br>DC_n79A-n257L<br>DC_n79A-n257M<br>DC_n79C-n257A<br>DC_n79C-n257D<br>DC_n79C-n257E<br>DC_n79C-n257F | DC_n79A-n257A<br>DC_n79A-n257G<br>DC_n79A-n257H<br>DC_n79A-n257I |
| NOTE 1: NR configuration for FR1 and FR2 are defined in TS 38.101-1 [2] and TS 38.101-2 [3] respectively. | |

### 5.5B.7.2 Inter-band NR-DC configurations between FR1 and FR2 (three bands)

**Table 5.5B.7-2: Inter-band NR-DC configurations between FR1 and FR2 (three bands)**

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n1A-n77A-n257A<br>DC_n1A-n77A-n257G<br>DC_n1A-n77A-n257H<br>DC_n1A-n77A-n257I | DC_n1A-n257A<br>DC_n1A-n257G<br>DC_n1A-n257H<br>DC_n1A-n257I<br>DC_n77A-n257A<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I |
| DC_n1A-n78A-n257A<br>DC_n1A-n78A-n257G<br>DC_n1A-n78A-n257H<br>DC_n1A-n78A-n257I | DC_n1A-n257A<br>DC_n1A-n257G<br>DC_n1A-n257H<br>DC_n1A-n257I<br>DC_n78A-n257A<br>DC_n78A-n257G<br>DC_n78A-n257H<br>DC_n78A-n257I |
| DC_n1A-n79A-n257A<br>DC_n1A-n79A-n257G<br>DC_n1A-n79A-n257H<br>DC_n1A-n79A-n257I | DC_n1A-n257A<br>DC_n1A-n257G<br>DC_n1A-n257H<br>DC_n1A-n257I<br>DC_n79A-n257A<br>DC_n79A-n257G<br>DC_n79A-n257H<br>DC_n79A-n257I |
| DC_n3A-n28A-n257A<br>DC_n3A-n28A-n257G<br>DC_n3A-n28A-n257H<br>DC_n3A-n28A-n257I | DC_n3A-n28A<br>DC_n3A-n257A<br>DC_n3A-n257G<br>DC_n3A-n257H<br>DC_n3A-n257I<br>DC_n28A-n257A<br>DC_n28A-n257G<br>DC_n28A-n257H<br>DC_n28A-n257I |
| DC_n3A-n77A-n257A<br>DC_n3A-n77A-n257G<br>DC_n3A-n77A-n257H<br>DC_n3A-n77A-n257I | DC_n3A-n77A<br>DC_n3A-n257A<br>DC_n3A-n257G<br>DC_n3A-n257H<br>DC_n3A-n257I<br>DC_n77A-n257A<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I |
| DC_n3A-n77(2A)-n257A<br>DC_n3A-n77(2A)-n257G<br>DC_n3A-n77(2A)-n257H<br>DC_n3A-n77(2A)-n257I | DC_n3A-n77A<br>DC_n3A-n257A<br>DC_n3A-n257G<br>DC_n3A-n257H<br>DC_n3A-n257I<br>DC_n77A-n257A<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I |
| DC_n3A-n78A-n257A<br>DC_n3A-n78A-n257G<br>DC_n3A-n78A-n257H<br>DC_n3A-n78A-n257I | DC_n3A-n78A<br>DC_n3A-n257A<br>DC_n3A-n257G<br>DC_n3A-n257H<br>DC_n3A-n257I<br>DC_n78A-n257A<br>DC_n78A-n257G<br>DC_n78A-n257H<br>DC_n78A-n257I |

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n28A-n77A-n257A<br>DC_n28A-n77A-n257G<br>DC_n28A-n77A-n257H<br>DC_n28A-n77A-n257I | DC_n28A-n77A<br>DC_n28A-n257A<br>DC_n28A-n257G<br>DC_n28A-n257H<br>DC_n28A-n257I<br>DC_n77A-n257A<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I |
| DC_n28A-n78A-n257A<br>DC_n28A-n78A-n257G<br>DC_n28A-n78A-n257H<br>DC_n28A-n78A-n257I | DC_n28A-n78A<br>DC_n28A-n257A<br>DC_n28A-n257G<br>DC_n28A-n257H<br>DC_n28A-n257I<br>DC_n78A-n257A<br>DC_n78A-n257G<br>DC_n78A-n257H<br>DC_n78A-n257I |
| DC_n77A-n79A-n257A<br>DC_n77A-n79A-n257G<br>DC_n77A-n79A-n257H<br>DC_n77A-n79A-n257I | DC_n77A-n257A<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I<br>DC_n79A-n257A<br>DC_n79A-n257G<br>DC_n79A-n257H<br>DC_n79A-n257I |
| DC_n78A-n79A-n257A<br>DC_n78A-n79A-n257G<br>DC_n78A-n79A-n257H<br>DC_n78A-n79A-n257I | DC_n78A-n257A<br>DC_n78A-n257G<br>DC_n78A-n257H<br>DC_n78A-n257I<br>DC_n79A-n257A<br>DC_n79A-n257G<br>DC_n79A-n257H<br>DC_n79A-n257I |
| NOTE 1: NR configuration for FR1 and FR2 are defined in TS 38.101-1 [2] and TS 38.101-2 [3] respectively. | |

### 5.5B.7.3 Inter-band NR-DC configurations between FR1 and FR2 (four bands)

**Table 5.5B.7-3: Inter-band NR-DC configurations between FR1 and FR2 (four bands)**

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n1A-n77A-n79A-n257A<br>DC_n1A-n77A-n79A-n257G<br>DC_n1A-n77A-n79A-n257H<br>DC_n1A-n77A-n79A-n257I | DC_n1A-n257A<br>DC_n1A-n257G<br>DC_n1A-n257H<br>DC_n1A-n257I<br>DC_n77A-n257A<br>DC_n77A-n257G<br>DC_n77A-n257H<br>DC_n77A-n257I<br>DC_n79A-n257A<br>DC_n79A-n257G<br>DC_n79A-n257H<br>DC_n79A-n257I |
| DC_n1A-n78A-n79A-n257A<br>DC_n1A-n78A-n79A-n257G<br>DC_n1A-n78A-n79A-n257H<br>DC_n1A-n78A-n79A-n257I | DC_n1A-n257A<br>DC_n1A-n257G<br>DC_n1A-n257H<br>DC_n1A-n257I<br>DC_n78A-n257A<br>DC_n78A-n257G<br>DC_n78A-n257H<br>DC_n78A-n257I<br>DC_n79A-n257A<br>DC_n79A-n257G<br>DC_n79A-n257H<br>DC_n79A-n257I |
| DC_n3A-n28A-n77A-n257A | DC_n3A-n257A<br>DC_n28A-n257A<br>DC_n77A-n257A |
| DC_n3A-n28A-n77A-n257G | DC_n3A-n257A<br>DC_n28A-n257A<br>DC_n77A-n257A<br>DC_n3A-n257G<br>DC_n28A-n257G<br>DC_n77A-n257G |
| DC_n3A-n28A-n77A-n257H | DC_n3A-n257A<br>DC_n28A-n257A<br>DC_n77A-n257A<br>DC_n3A-n257G<br>DC_n28A-n257G<br>DC_n77A-n257G<br>DC_n3A-n257H<br>DC_n28A-n257H<br>DC_n77A-n257H |
| DC_n3A-n28A-n77A-n257I | DC_n3A-n257A<br>DC_n28A-n257A<br>DC_n77A-n257A<br>DC_n3A-n257G<br>DC_n28A-n257G<br>DC_n77A-n257G<br>DC_n3A-n257H<br>DC_n28A-n257H<br>DC_n77A-n257H<br>DC_n3A-n257I<br>DC_n28A-n257I<br>DC_n77A-n257I |
| DC_n3A-n28A-n78A-n257A | DC_n3A-n257A<br>DC_n28A-n257A<br>DC_n78A-n257A |

| Downlink NR DC configuration | Uplink NR DC configuration |
|---|---|
| DC_n3A-n28A-n78A-n257G | DC_n3A-n257A<br>DC_n28A-n257A<br>DC_n78A-n257A<br>DC_n3A-n257G<br>DC_n28A-n257G<br>DC_n78A-n257G |
| DC_n3A-n28A-n78A-n257H | DC_n3A-n257A<br>DC_n28A-n257A<br>DC_n78A-n257A<br>DC_n3A-n257G<br>DC_n28A-n257G<br>DC_n78A-n257G<br>DC_n3A-n257H<br>DC_n28A-n257H<br>DC_n78A-n257H |
| DC_n3A-n28A-n78A-n257I | DC_n3A-n257A<br>DC_n28A-n257A<br>DC_n78A-n257A<br>DC_n3A-n257G<br>DC_n28A-n257G<br>DC_n78A-n257G<br>DC_n3A-n257H<br>DC_n28A-n257H<br>DC_n78A-n257H<br>DC_n3A-n257I<br>DC_n28A-n257I<br>DC_n78A-n257I |

# 5.5C Void

# 5.5D Void

# 5.5E Configuration for V2X operation

## 5.5E.1 General

The operating bands and bandwidth classes are specified for V2X operation.

## 5.5E.2 Intra-band contiguous V2X operation in FR1

**Table 5.5E.2-1: Intra-band contiguous V2X configurations**

| V2X configuration | SL transmission |
|---|---|
| V2X_(n)47AA | E-UTRA Band 47 or NR band n47 |
| NOTE 1: Only single switched SL is supported. | |

### 5.5E.3 Intra-band non-contiguous V2X operation in FR1

**Table 5.5E.3-1: Intra-band non-contiguous V2X configurations**

| V2X configuration | SL transmission |
|---|---|
| V2X_47A_n47A | E-UTRA Band 47 or NR band n47 |
| NOTE 1: Only single switched SL is supported. | |

### 5.5E.4 Inter-band V2X operation in FR1

#### 5.5E.4.1 Inter-band V2X configurations within FR1 (two bands)

**Table 5.5E.4.1-1: Inter-band V2X configurations**

| V2X configuration | V2X transmission configuration |
|---|---|
| V2X_20A_n38A | V2X_20A_n38A |
| V2X_n39A_47A | V2X_n39A_47A |
| V2X_39A_n47A | V2X_39A_n47A |
| V2X_n40A_47A | V2X_n40A_47A |
| V2X_40A_n47A | V2X_40A_n47A |
| V2X_ n71A_47A | V2X_n71A_47A |
| NOTE 1: V2X transmission configurations are the configurations supported by the present release of specifications. | |

# 6 Transmitter characteristics

## 6.1 General

Unless otherwise stated the transmitter characteristics are specified at the antenna connector(s) of the UE for the bands operating on frequency range 1 and over the air of the UE for the bands operating on frequency range 2. The requirements for frequency range 1 and frequency range 2 can be verified separately. For the carrier in frequency range 1, requirements can be verified with NR FR2 link disabled. For the carrier in frequency range 2, requirements can be verified in OTA mode with E-UTRA connecting to the network by OTA without calibration.

Unless otherwise stated, requirements for NR transmitter written in TS 38.101-1 [2] and TS 38.101-2 [3] apply and are assumed anchor agnostic. Requirements are verified under conditions where anchor resources do not interfere NR operation. If UE indicates IE *powerClassNRPart-r16* as defined in TS 38.331 [9] in EN-DC, UE shall meet NR requirements according to this power class.

For sub-clauses with suffix A or B: the minimum requirements for band combinations including Band n41 also apply for the corresponding band combinations with Band n90 replacing Band n41 but with otherwise identical parameters. For brevity the said band combinations with Band n90 are not listed in the tables below but are covered by this specification.

# 6.2 Void

# 6.2A Transmitter power for CA

## 6.2A.1 UE maximum output power for CA

### 6.2A.1.1 Inter-band CA between FR1 and FR2

**Table 6.2A.1.1-1: Void**

For inter-band NR CA in FR1 and FR2 combined, the UE shall meet each transmitter power requirement specified in clause 6.2.1 of TS 38.101-1 [2] and clause 6.2.1 TS 38.101-2 [3] independently.

## 6.2A.2 UE maximum output power reduction for CA

### 6.2A.2.1 Inter-band CA between FR1 and FR2

For inter-band NR CA between FR1 and FR2, UE maximum output power reduction specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for each frequency range respectively.

## 6.2A.3 UE additional maximum output power reduction for CA

For inter-band NR CA between FR1 and FR2, UE additional maximum output power reduction specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for each frequency range respectively.

## 6.2A.4 Configured output power for CA

### 6.2A.4.1 Configured output power level

For inter-band NR CA between FR1 and FR2, UE configured output power specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for each frequency range respectively.

### 6.2A.4.2 $\Delta T_{IB,c}$ for CA

#### 6.2A.4.2.1 $\Delta T_{IB,c}$ for Inter-band CA between FR1 and FR2

$\Delta T_{IB,c}$ is independent between FR1 and FR2. For inter-band CA between FR1 and FR2, $\Delta T_{IB,c}$ for the FR1 band(s) in TS 38.101-1 [2] applies and $\Delta T_{IB,c}$ for the FR2 NR band(s) is set to zero. Otherwise $\Delta T_{IB,c}$ is set to zero.

**Table 6.2A.4.2.1-1: Void**

**Table 6.2A.4.2.1-2: Void**

**Table 6.2A.4.2.1-3: Void**

# 6.2B Transmitter power for DC

## 6.2B.1 UE maximum output power for DC

### 6.2B.1.1 Intra-band contiguous EN-DC

The following UE Power Classes define the total maximum output power for any transmission bandwidth(s) of the CG(s) configured.

The maximum output power is measured as the total maximum output power across the UE antenna connector(s). The period of measurement shall be at least one sub frame.

**Table 6.2B.1.1-1: Maximum output power for EN-DC (continuous sub- blocks)**

| EN-DC configuration | Power class 1.5 (dBm) | Tolerance (dB) | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|---|---|
| DC_(n)5AA[3] | | | | | 23 | +2/-3 |
| DC_(n)12AA[3] | | | | | 23 | +2/-3 |
| DC_(n)71AA | | | | | 23 | +2/-3 |
| DC_(n)38AA[3] | | | | | 23 | +2/-3 |
| DC_(n)41AA | 29 | +2/-3[1] | 26 | +2/-3[1] | 23 | +2/-3[1] |
| DC_(n)48AA[3] | | | | | 23 | +2/-3 |

NOTE 1: If all transmitted resource blocks over all component carriers are confined within $F_{UL_low}$ and $F_{UL_low}$ + 4 MHz or/and $F_{UL_high}$ – 4 MHz and $F_{UL_high}$, the maximum output power requirement is relaxed by reducing the lower tolerance limit by 1.5 dB
NOTE 2: Power Class 3 is the default power class unless otherwise stated.
NOTE 3: Only single switched UL is supported.

If UE supports a different power class than the default UE power class for EN-DC band combination, and the supported power class enables higher maximum output power than that of the default power class:

- if the E-UTRA UL/DL configuration is 0 or 6; or
- if the E-UTRA UL/DL configuration is 1 and special subframe configuration is 0 or 5; or
- if the IE *p-maxUE-FR1-r15* as defined in TS 36.331 [8] is provided and set to the maximum output power of the default power class or lower;
  - apply all requirements for the default power class, and set the configured transmitted power as specified in clause 6.2B.4;
- else
- if the UE does not support a power class with higher maximum output power than power class 2; or
- if the E-UTRA UL/DL configuration is not 2 or 4 or 5; or
- if the field of UE capability maxUplinkDutyCycle is absent and the percentage of uplink symbols transmitted in a certain evaluation period is larger than 25% (The exact evaluation period is no less than one radio frame); or
- if the field of UE capability maxUplinkDutyCycle is not absent and the percentage of uplink symbols transmitted in a certain evaluation period is larger than maxUplinkDutyCycle/2 (The exact evaluation period is no less than one radio frame); or
- if the IE P-Max as defined in TS 38.331 [9] is provided and set to the maximum output power of the power class 2 or lower;

  - apply all requirements for the power class 2 and set the configured transmitted power as specified in clause 6.2B.4;
- else
  - apply all requirements for the supported power class, and set the configured transmitted power class as specified in clause 6.2B.4;

### 6.2B.1.2 Intra-band non-contiguous EN-DC

**Table 6.2B.1.2-1: Maximum output power for EN-DC (non-continuous sub-blocks)**

| EN-DC configuration | Power class 1.5 (dBm) | Tolerance (dB) | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|---|---|
| DC_2A_n2A[4] | | | | | 23 | +2/-3 |
| DC_3A_n3A[2] | | | | | 23 | +2/-3 |
| DC_5A_n5A[4] | | | | | 23 | +2/-3 |
| DC_7A_n7A[4] | | | | | 23 | +2/-3 |
| DC_48A_n48A[4] | | | | | 23 | +2/-3 |
| DC_41A_n41A | 29 | +2/-3[1] | 26 | +2/-3[1] | 23 | +2/-3[1] |
| DC_66A_n66A[4] | | | | | 23 | +2/-3 |
| DC_71A_n71A[4] | | | | | 23 | +2/-3 |

NOTE 1: If all transmitted resource blocks over all component carriers are confined within $F_{UL_low}$ and $F_{UL_low}$ + 4 MHz or/and $F_{UL_high}$ – 4 MHz and $F_{UL_high}$, the maximum output power requirement is relaxed by reducing the lower tolerance limit by 1.5 dB
NOTE 2: Only single switched UL is supported in Rel.15
NOTE 3: Power Class 3 is the default power class unless otherwise stated.
NOTE 4: Only single switched UL is supported

If UE supports a different power class than the default UE power class for EN-DC band combination, and the supported power class enables higher maximum output power than that of the default power class:

- if the E-UTRA UL/DL configuration is 0 or 6; or
- if the E-UTRA UL/DL configuration is 1 and special subframe configuration is 0 or 5; or

- if the IE *p-maxUE-FR1-r15* as defined in TS 36.331 [8] is provided and set to the maximum output power of the default power class or lower;
  - apply all requirements for the default power class, and set the configured transmitted power as specified in clause 6.2B.4;
- else
- if the UE does not support a power class with higher maximum output power than power class 2; or
- if the E-UTRA UL/DL configuration is not 2 or 4 or 5; or
- if the field of UE capability maxUplinkDutyCycle is absent and the percentage of uplink symbols transmitted in a certain evaluation period is larger than 25% (The exact evaluation period is no less than one radio frame); or
- if the field of UE capability maxUplinkDutyCycle is not absent and the percentage of uplink symbols transmitted in a certain evaluation period is larger than maxUplinkDutyCycle/2 (The exact evaluation period is no less than one radio frame); or
- if the IE P-Max as defined in TS 38.331 [9] is provided and set to the maximum output power of the power class 2 or lower;

  - apply all requirements for the power class 2 and set the configured transmitted power as specified in clause 6.2B.4;
- else
  - apply all requirements for the supported power class, and set the configured transmitted power class as specified in clause 6.2B.4;

### 6.2B.1.3 Inter-band EN-DC within FR1

For inter-band EN-DC of E-UTRA and NR in FR1, the following UE Power Classes define the maximum output power for any transmission bandwidth within the aggregated channel bandwidth. The maximum output power is measured as the sum of the maximum output power at each UE antenna connector. The period of measurement shall be at least one sub frame (1ms). UE maximum output power shall be measured over all component carriers from different bands. If each band has separate antenna connectors, maximum output power is measured as the sum of maximum output power at each UE antenna connector.

**Table 6.2B.1.3-1: Maximum output power for inter-band EN-DC (two bands)**

| EN-DC configuration | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|
| DC_1A_n3A | | | 23 | +2/-3 |
| DC_1A_n5A | | | 23 | +2/-3 |
| DC_1A_n7A | | | 23 | +2/-3 |
| DC_1A_n8A | | | 23 | +2/-3 |
| DC_1A_n20A | | | 23 | +2/-3 |
| DC_1A_n28A | | | 23 | +2/-3 |
| DC_1A_n38A | | | 23 | +2/-3 |
| DC_1A_n40A | | | 23 | +2/-3 |
| DC_1A_n41A | | | 23 | +2/-3 |
| DC_1A_n50A | | | 23 | +2/-3 |
| DC_1A_n51A | | | 23 | +2/-3 |
| DC_1A_n71A | | | 23 | +2/-3 |
| DC_1A_n77A<br>DC_1A_n84A_ULSUP-TDM_n77A | | | 23 | +2/-3 |
| DC_1A_n78A<br>DC_1A_n84A_ULSUP-TDM_n78A | 26[6] | +2/-3[1] | 23 | +2/-3 |
| DC_1A_n79A<br>DC_1A_n84A_ULSUP-TDM_n79A | | | 23 | +2/-3 |
| DC_1A_n80A | | | 23 | +2/-3 |
| DC_2A_n5A | | | 23 | +2/-3[1] |
| DC_2A_n7A | | | 23 | +2/-3 |
| DC_2A_n12A | | | 23 | +2/-3 |
| DC_2A_n28A | | | 23 | +2/-3 |
| DC_2A_n38A | | | 23 | +2/-3 |
| DC_2A_n41A | | | 23 | +2/-3 |
| DC_2A_n46A | | | 23 | +2/-3 |
| DC_2A_n48A | | | 23 | +2/-3 |
| DC_2A_n66A | | | 23 | +2/-3[1] |
| DC_2A_n71A | | | 23 | +2/-3 |
| DC_2A_n77A | | | 23 | +2/-3 |
| DC_2A_n78A | | | 23 | +2/-3 |
| DC_3A_n1A | | | 23 | +2/-3 |
| DC_3A_n5A<br>DC_3C_n5A | | | 23 | +2/-3 |
| DC_3A_n7A | | | 23 | +2/-3[1] |
| DC_3A_n8A | | | 23 | +2/-3 |
| DC_3A_n20A | | | 23 | +2/-3 |
| DC_3A_n28A | | | 23 | +2/-3[1] |
| DC_3A_n34A | | | 23 | +2/-3[1] |
| DC_3A_n38A | | | 23 | +2/-3 |
| DC_3A_n40A | | | 23 | +2/-3[1] |
| DC_3A_n41A,<br>DC_3C_n41A,<br>DC_3C_n41A, | 26[6] | +2/-3 | 23 | +2/-3 |
| DC_3A_n50A | | | 23 | +2/-3 |
| DC_3A_n51A | | | 23 | +2/-3[1] |
| DC_3A_n71A | | | 23 | +2/-3 |
| DC_3A_n77A<br>DC_3C_n77A | | | 23 | +2/-3[1] |
| DC_3A_n78A<br>DC_3C_n78A | 26[6] | +2/-3[1] | 23 | +2/-3[1] |
| DC_3A_n79A<br>DC_3C_n79A | | | 23 | +2/-3[1] |
| DC_3A_n80A_ULSUP-TDM_n41<br>DC_3C_n80A_ULSUP-TDM_n41 | | | 23 | +2/-3 |
| DC_3A_n80A_ULSUP-TDM_n77A | | | 23 | +2/-3[1] |
| DC_3A_n80A_ULSUP-TDM_n78A | | | 23 | +2/-3[1] |
| DC_3A_n80A_ULSUP-TDM_n79A | | | 23 | +2/-3[1] |
| DC_3A_n82A | | | 23 | +2/-3[1] |
| DC_3A_n84A | | | 23 | +2/-3[1] |
| DC_4A_n2A | | | 23 | +2/-3 |
| DC_4A_n5A | | | 23 | +2/-3 |
| DC_4A_n7A | | | 23 | +2/-3 |
| DC_4A_n28A | | | 23 | +2/-3 |

| EN-DC configuration | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|
| DC_4A_n38A | | | 23 | +2/-3 |
| DC_4A_n41A | | | 23 | +2/-3 |
| DC_4A_n78A | | | 23 | +2/-3 |
| DC_5A_n2A | | | 23 | +2/-3 |
| DC_5A_n7A | | | 23 | +2/-3 |
| DC_5A_n12A | | | 23 | +2/-3 |
| DC_5A_n38A | | | 23 | +2/-3 |
| DC_5A_n40A | | | 23 | +2/-3[1] |
| DC_5A_n48A | | | 23 | +2/-3 |
| DC_5A_n66A | | | 23 | +2/-3[1] |
| DC_5A_n71A | | | 23 | +2/-3 |
| DC_5A_n77A | | | 23 | +2/-3 |
| DC_5A_n78A | | | 23 | +2/-3 |
| DC_5A_n79A | | | 23 | +2/-3 |
| DC_7A_n1A | | | 23 | +2/-3 |
| DC_7A_n2A | | | 23 | +2/-3 |
| DC_7A_n3A | | | 23 | +2/-3 |
| DC_7A_n5A<br>DC_7C_n5A | | | 23 | +2/-3 |
| DC_7A_n8A | | | 23 | +2/-3 |
| DC_7A_n20A | | | 23 | +2/-3 |
| DC_7A_n28A | | | 23 | +2/-3[1] |
| DC_7A_n40A | | | 23 | +2/-3 |
| DC_7A_n51A | | | 23 | +2/-3[1] |
| DC_7A_n66A | | | 23 | +2/-3[1] |
| DC_7A_n71A | | | 23 | +2/-3 |
| DC_7A_n77A | | | 23 | +2/-3 |
| DC_7A_n78A<br>DC_7C_n78A | | | 23 | +2/-3 |
| DC_7A_n80A | | | 23 | +2/-3 |
| DC_8A_n1A | | | 23 | +2/-3 |
| DC_8A_n2A | | | 23 | +2/-3 |
| DC_8A_n3A | | | 23 | +2/-3 |
| DC_8A_n7A | | | 23 | +2/-3 |
| DC_8A_n20A | | | 23 | +2/-3 |
| DC_8A_n28A | | | 23 | +2/-3 |
| DC_8A_n34A | | | 23 | +2/-3[1] |
| DC_8A_n39A | | | 23 | +2/-3 |
| DC_8A_n40A | | | 23 | +2/-3[1] |
| DC_8A_n41A, | | | 23 | +2/-3 |
| DC_8A_n77A | | | 23 | +2/-3 |
| DC_8A_n78A | 26[6] | +2/-3[1] | 23 | +2/-3 |
| DC_8A_n79A<br>DC_8A_n79C | | | 23 | +2/-3 |
| DC_8A_n80A | | | 23 | +2/-3 |
| DC_8A_n81A_ULSUP-TDM_n41 | | | 23 | +2/-3 |
| DC_8A_n81A_ULSUP-TDM_n78A | | | 23 | +2/-3 |
| DC_8A_n81A_ULSUP-TDM_n79A | | | 23 | +2/-3 |
| DC_11A_n3A | | | 23 | +2/-3 |
| DC_11A_n28A | | | 23 | +2/-3 |
| DC_11A_n77A | | | 23 | +2/-3 |
| DC_11A_n78A | | | 23 | +2/-3 |
| DC_11A_n79A | | | 23 | +2/-3 |
| DC_12A_n2A | | | 23 | +2/-3 |
| DC_12A_n5A | | | 23 | +2/-3 |
| DC_12A_n7A | | | 23 | +2/-3 |
| DC_12A_n25A | | | 23 | +2/-3 |
| DC_12A_n38A | | | 23 | +2/-3 |
| DC_12A_n41A | | | 23 | +2/-3 |
| DC_12A_n66A | | | 23 | +2/-3 |
| DC_12A_n78A | | | 23 | +2/-3 |
| DC_13A_n2A | | | 23 | +2/-3 |
| DC_13A_n5A | | | 23 | +2/-3 |
| DC_13A_n7A | | | 23 | +2/-3 |

| EN-DC configuration | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|
| DC_13A_n48A | | | 23 | +2/-3 |
| DC_13A_n66A | | | 23 | +2/-3 |
| DC_13A_n71A | | | 23 | +2/-3 |
| DC_13A_n77A | | | 23 | +2/-3 |
| DC_13A_n78A | | | 23 | +2/-3 |
| DC_14A_n2A | | | 23 | +2/-3 |
| DC_14A_n66A | | | 23 | +2/-3 |
| DC_18A_n3A | | | 23 | +2/-3 |
| DC_18A_n28A | | | 23 | +2/-3 |
| DC_18A_n41A | | | 23 | +2/-3 |
| DC_18A_n77A | | | 23 | +2/-3 |
| DC_18A_n78A | | | 23 | +2/-3 |
| DC_18A_n79A | | | 23 | +2/-3 |
| DC_19A_n1A | | | 23 | +2/-3 |
| DC_19A_n77A | | | 23 | +2/-3 |
| DC_19A_n78A | | | 23 | +2/-3 |
| DC_19A_n79A | | | 23 | +2/-3 |
| DC_20A_n1A | | | 23 | +2/-3 |
| DC_20A_n3A | | | 23 | +2/-3 |
| DC_20A_n7A | | | 23 | +2/-3 |
| DC_20A_n8A | | | 23 | +2/-3 |
| DC_20A_n38A | | | 23 | +2/-3 |
| DC_20A_n28A | | | 23 | +2/-3 |
| DC_20A_n41A | | | 23 | +2/-3 |
| DC_20A_n50A | | | 23 | +2/-3 |
| DC_20A_n51A | | | 23 | +2/-3 |
| DC_20A_n77A | | | 23 | +2/-3 |
| DC_20A_n80A | | | 23 | +2/-3 |
| DC_20A_n78A | | | 23 | +2/-3 |
| DC_20A_n82A_ULSUP-TDM_n78A | | | 23 | +2/-3 |
| DC_20A_n83A | | | 23 | +2/-3 |
| DC_21A_n1A | | | 23 | +2/-3 |
| DC_21A_n77A | | | 23 | +2/-3 |
| DC_21A_n78A | | | 23 | +2/-3 |
| DC_21A_n79A | | | 23 | +2/-3 |
| DC_25A_n41A | | | 23 | +2/-3 |
| DC_26A_n25A | | | 23 | +2/-3 |
| DC_26A_n41A | | | 23 | +2/-3 |
| DC_26A_n77A | | | 23 | +2/-3 |
| DC_26A_n78A | | | 23 | +2/-3 |
| DC_26A_n79A | | | 23 | +2/-3 |
| DC_28A_n1A | | | 23 | +2/-3 |
| DC_28A_n2A | | | 23 | +2/-3 |
| DC_28A_n3A | | | 23 | +2/-3 |
| DC_28A_n5A | | | 23 | +2/-3 |
| DC_28A_n7A<br>DC_28A_n7B | | | 23 | +2/-3 |
| DC_28A_n8A | | | 23 | +2/-3 |
| DC_28A_n40A | | | 23 | +2/-3 |
| DC_28A_n41A | | | 23 | +2/-3 |
| DC_28A_n50A | | | 23 | +2/-3 |
| DC_28A_n51A | | | 23 | +2/-3 |
| DC_28A_n66A | | | 23 | +2/-3 |
| DC_28A_n77A | | | 23 | +2/-3 |
| DC_28A_n78A | | | 23 | +2/-3 |
| DC_28A_n79A | | | 23 | +2/-3 |
| DC_28A_n83A_ULSUP-TDM_n41A | | | 23 | +2/-3 |
| DC_28A_n83A_ULSUP-TDM_n78A | | | 23 | +2/-3 |
| DC_30A_n2A | | | 23 | +2/-3 |
| DC_30A_n5A | | | 23 | +2/-3 |
| DC_30A_n66A | | | 23 | +2/-3 |
| DC_38A_n78A | | | N/A | N/A |
| DC_39A_n40A | | | 23 | +2/-3 |

| EN-DC configuration | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|
| DC_39A_n41A<br>DC_39C_n41A | 26[5] | +2/-3[1] | 23 | +2/-3 |
| DC_39A_n78A | | | 23 | +2/-3[1] |
| DC_39A_n79A | 26[5] | +2/-3[1] | 23 | +2/-3[1] |
| DC_40A_n1A | | | 23 | +2/-3 |
| DC_40A_n41A<br>DC_40C_n41A | | | 23 | +2/-3 |
| DC_40A_n77A | | | N/A | N/A |
| DC_40A_n78A | | | 23 | +2/-3 |
| DC_40C_n78A | | | 23 | +2/-3 |
| DC_40A_n79A | | | 23 | +2/-3 |
| DC_41A_n3A<br>DC_41C_n3A | | | 23 | +2/-3 |
| DC_41A_n28A<br>DC_41C_n28A | | | 23 | +2/-3 |
| DC_41A_n77A<br>DC_41C_n77A | | | 23 | +2/-3[1] |
| DC_41A_n78A<br>DC_41C_n78A | | | 23 | +2/-3[1] |
| DC_41A_n79A<br>DC_41C_n79A | 26[5] | +2/-3[1] | 23 | +2/-3[1] |
| DC_42A_n1A | | | 23 | +2/-3 |
| DC_42A_n3A<br>DC_42C_n3A | | | 23 | +2/-3 |
| DC_42A_n28A<br>DC_42C_n28A | | | 23 | +2/-3 |
| DC_42A_n51A | | | 23 | +2/-3 |
| DC_42A_n77A | | | N/A | N/A |
| DC_42A_n78A | | | N/A | N/A |
| DC_42A_n79A | | | N/A | N/A |
| DC_48A_n5A | | | 23 | +2/-3 |
| DC_48A_n12A | | | 23 | +2/-3 |
| DC_48A_n25A | | | 23 | +2/-3 |
| DC_2A_n46A | | | 23 | +2/-3 |
| DC_48A_n66A | | | 23 | +2/-3 |
| DC_48A_n71A | | | 23 | +2/-3 |
| DC_66A_n2A | | | 23 | +2/-3 |
| DC_66A_n5A | | | 23 | +2/-3[1] |
| DC_66A_n7A | | | 23 | +2/-3 |
| DC_66A_n12A | | | 23 | +2/-3 |
| DC_66A_n25A | | | 23 | +2/-3 |
| DC_66A_n28A | | | 23 | +2/-3 |
| DC_66A_n38A | | | 23 | +2/-3 |
| DC_66A_n41A | | | 23 | +2/-3 |
| DC_66A_n46A | | | 23 | +2/-3 |
| DC_66A_n48A | | | 23 | +2/-3 |
| DC_66A_n71A | | | 23 | +2/-3 |
| DC_66A_n77A | | | 23 | +2/-3 |
| DC_66A_n78A<br>DC_66A-66A_n78A | | | 23 | +2/-3 |
| DC_66A_n86A_ULSUP-TDM_n78A | | | 23 | +2/-3 |
| DC_71A_n5A | | | 23 | +2/-3 |
| DC_71A_n38A | | | 23 | +2/-3 |
| DC_71A_n48A | | | 23 | +2/-3 |
| DC_71A_n66A | | | 23 | +2/-3 |
| DC_71A_n78A | | | 23 | +2/-3 |

| EN-DC configuration | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|
| NOTE 1: For the transmission bandwidths confined within $F_{UL_low}$ and $F_{UL_low}$ + 4 MHz or $F_{UL_high}$ – 4 MHz and $F_{UL_high}$, the maximum output power requirement is relaxed by reducing the lower tolerance limit by 1.5 dB<br>NOTE 2: $P_{PowerClass,\ EN\text{-}DC}$ is the maximum UE power specified without taking into account the tolerance<br>NOTE 3: For inter-band EN-DC the maximum power requirement should apply to the total transmitted power over all component carriers (per UE).<br>NOTE 4: Power Class 3 is the default power class unless otherwise stated.<br>NOTE 5: The UE is not required to support PC2 within each individual cell group. Power class support within each individual cell group is signaled separately by the UE.<br>NOTE 6: The UE supports PC3 within E-UTRA cell group, and supports either PC3 or PC2 within NR cell group. Power class support within each individual cell group is signaled separately by the UE. | | | | |

If a UE supports a different power class than the default UE power class for an E-UTRA TDD and NR TDD Inter-band EN-DC band combination and the supported power class enables higher maximum output power than that of the default power class:

- if the field of UE capability *maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* is absent and the percentage of NR uplink symbols transmitted in a certain evaluation period is larger than 30% (The exact evaluation period is no less than one radio frame); or

- if the field of UE capability *maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* is not absent and the percentage of NR uplink symbols transmitted in a certain evaluation period is larger than *maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* as defined in TS38.331 (The exact evaluation period is no less than one radio frame); or

- if the IE *p-maxUE-FR1* as defined in TS 38.331 is provided and set to the maximum output power of the default power class or lower;

  - shall apply all requirements for the default power class to the supported power class and set the configured transmitted power as specified sub-clause 6.2B.4;

- Else if the IE *p-maxUE-FR1* as defined in TS 38.331 is not provided or set to the higher value than the maximum output power of the default power class and the percentage of NR uplink symbols transmitted in a certain evaluation period is less than or equal t*o maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* as defined in TS 38.331; or

- if the IE *p-maxUE-FR1* as defined in TS 38.331 is not provided or set to the higher value than the maximum output power of the default power class and the percentage of NR uplink symbols transmitted in a certain evaluation period is less than or equal to 30% when *maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* is absent. (The exact evaluation period is no less than one radio frame):

  - shall apply all requirements for the supported power class and set the configured transmitted power class as specified in sub-clause 6.2B.4.

If a UE supports a different power class than the default UE power class for an E-UTRA FDD and NR TDD EN-DC band combination and the supported power class enables higher maximum output power than that of the default power class:

If UE indicating the two capabilities maxUplinkDutyCycle-EN-DC_FDDTDD_1 and maxUplinkDutyCycle-EN-DC_FDDTDD_2:

- if the IE *p-maxUE-FR1* as defined in TS 38.331 is not provided or set to the higher value than the maximum output power of the default power class, and the percentage of EUTRA uplink symbols transmitted in a certain evaluation period is between 40% and 70%, and the percentage of NR uplink symbols transmitted in a certain evaluation period is less than or equal t*o maxUplinkDutyCycle-EN-DC_FDDTDD_1* as defined in TS 38.331 (The exact evaluation period is no less than one radio frame); or

- if the IE *p-maxUE-FR1* as defined in TS 38.331 is not provided or set to the higher value than the maximum output power of the default power class, and the percentage of EUTRA uplink symbols transmitted in a certain evaluation period is no larger than 40%, and the percentage of NR uplink symbols transmitted in a certain evaluation period is less than or equal t*o maxUplinkDutyCycle-EN-DC_FDDTDD_2* as defined in TS 38.331 (The exact evaluation period is no less than one radio frame)

– shall apply all requirements for the supported power class and set the configured transmitted power class as specified in sub-clause 6.2B.4.

– else

– shall apply all requirements for the default power class and set the configured transmitted power as specified sub-clause 6.2B.4;

else

– shall apply all requirements for the supported power class and set the configured transmitted power as specified sub-clause 6.2B.4;

### 6.2B.1.3a Inter-band NE-DC within FR1

For inter-band NE-DC of E-UTRA and NR in FR1, the following UE power classes define the maximum output power for any transmission bandwidth within the aggregated channel bandwidth. The maximum output power is measured as the sum of the maximum output power at each UE antenna connector. The period of measurement shall be at least one sub frame (1 ms). UE maximum output power shall be measured over all component carriers from different bands. If each band has separate antenna connectors, maximum output power is measured as the sum of maximum output power at each UE antenna connector.

**Table 6.2B.1.3a-1: Maximum output power for inter-band NE-DC (two bands)**

| NE-DC configuration | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|
| DC_n1A_28A | 23 | +2/-3 |
| DC_n78A_1A | 23 | +2/-3 |
| DC_n78A_3A | 23 | +2/-3 |
| DC_n78A_5A | 23 | +2/-3 |
| DC_n78A_7A | 23 | +2/-3 |
| DC_n78A_8A | 23 | +2/-3 |
| DC_n78A_26A | 23 | +2/-3 |

### 6.2B.1.4 Inter-band EN-DC including FR2

UE maximum output power requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.2 and 6.2.2A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.1, 6.2A.1, and 6.2D.1 of TS 38.101-2 [3] apply.

### 6.2B.1.4a Inter-band NE-DC including FR2

UE maximum output power requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.2 and 6.2.2A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.1, 6.2A.1, and 6.2D.1 of TS 38.101-2 [3] apply.

### 6.2B.1.5 Inter-band EN-DC including both FR1 and FR2

UE maximum output power requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.2 and 6.2.2A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.1 of TS 38.101-1 [2] and clause 6.2.1, 6.2A.1, and 6.2D.1 of TS 38.101-2 [3] apply. When uplink is EN-DC mode within FR1 only then UE maximum output power requirement is specified in clause 6.2B.1.3 of this specification.

## 6.2B.2 UE maximum output power reduction for DC

### 6.2B.2.0 General

The UE maximum output power reduction (MPR) specified in this clause is applicable for UEs configured with EN-DC when NS_01 is indicated in the MCG and the SCG. The MPR applies subject to indication in the field *modifiedMPRbehavior* for the SCG [2].

### 6.2B.2.1 Intra-band contiguous EN-DC

#### 6.2B.2.1.1 General

When the UE is configured for intra-band contiguous EN-DC, the UE determines the total allowed maximum output power reduction as specified in this clause.

For UE supporting dynamic power sharing the following:

- for the MCG, $MPR_c$ in accordance with TS 36.101 [4]
- for the SCG,

$$MPR'_c = MPR_{NR} = MAX( MPR_{single,NR}, MPR_{ENDC})$$

- for the total configured transmission power,

$$MPR_{tot} = P_{PowerClass,EN-DC} - \min(P_{PowerClass,EN-DC} ,10*\log_{10}(10^{((P_{PowerClass,E-UTRA} - MPR_{E-UTRA})/10)} + 10^{((P_{PowerClass,NR} - MPR_{NR})/10)}))$$

where

$$MPR_{E-UTRA} = MAX(MPR_{single,E-UTRA}, MPR_{ENDC} )$$

with

- $MPR_{single, E-UTRA}$ is the MPR defined for the E-UTRA transmission in TS 36.101 [4]
- $MPR_{single,NR}$ is the MPR defined for the NR transmission in TS 38.101-1 [2]

For UEs not supporting dynamic power sharing the following

- for the MCG,

$$MPR_c = MAX(MPR_{single,E-UTRA}, MPR_{ENDC} )$$

- for the SCG,

$$MPR'_c = MAX( MPR_{single,NR}, MPR_{ENDC} )$$

where

- $MPR_{single,NR}$ is the MPR defined for the NR transmission in TS 38.101-1 [2]
- $MPR_{single,E-UTRA}$ is the MPR defined for the E-UTRA transmission in TS 36.101 [4]

$MPR_{ENDC}$ is defined in Clause 6.2B.2.1.2

#### 6.2B.2.1.2 MPR for power class 3 and power class 2

MPR in this clause is applicable for power class 3 and power class 2 UEs indicating IE *dualPA-Architecture* supported with EN-DC power class being the same as the E-UTRA and NR power class, otherwise the UE can use as much MPR as needed to fulfil emissions requirements when scheduled with dual uplink transmission. For UEs scheduled with single uplink transmission, MPR in clause 6.2.4 of TS 36.101 [4] and 6.2.2 of TS 38.101-1 [2] apply. For a UE supporting dynamic power sharing for DC_(n)71AA for which dual simultaneous uplink transmissions are mandatory and A-MPR defined in clause 6.2B.3.1.1 is applied as MPR. The allowed maximum output power reduction applied to transmission on the MCG and the SCG is defined as follows:

$$MPR_{ENDC} = M_A$$

Where $M_A$ is defined as follows

$$M_A = \begin{cases} 15 ; & 0 \le B < 0.5 \\ 10 ; & 0.5 \le B < 1.0 \end{cases}$$

$$8 \quad ; \quad 1.0 \le B < 2.0$$

$$6 \quad ; \quad 2.0 \le B$$

Where:

For UEs supporting dynamic power sharing,

$$B = (L_{CRB_alloc,\ E\text{-}UTRA} * 12 * SCS_{E\text{-}UTRA} + L_{CRB_alloc,NR} * 12 * SCS_{NR})/1{,}000{,}000$$

For UEs not supporting dynamic power sharing,

For E-UTRA

$$B = (L_{CRB_alloc,\ E\text{-}UTRA} * 12 * SCS_{E\text{-}UTRA} + 12 * SCS_{NR})/1{,}000{,}000$$

Where $SCS_{NR}$ = 15 kHz is assumed in calculation of B.

For NR

$$B = (12 * SCS_{E\text{-}UTRA} + L_{CRB_alloc,NR} * 12 * SCS_{NR})/1{,}000{,}000$$

Where $SCS_{E\text{-}UTRA}$ = 15 kHz is assumed in calculation of B.

and $M_A$ is reduced by 1 dB for B < 2.

### 6.2B.2.2 Intra-band non-contiguous EN-DC

#### 6.2B.2.2.1 General

When the UE is configured for intra-band non-contiguous EN-DC, the UE determines the total allowed maximum output power reduction as specified in this clause.

For UE supporting dynamic power sharing the following:

- for the MCG, $MPR_c$ in accordance with TS 36.101 [4]
- for the SCG,

$$MPR'_c = MPR_{NR} = MAX(\ MPR_{single,NR},\ MPR_{ENDC})$$

- for the total configured transmission power,

$$MPR_{tot} = P_{PowerClass,EN\text{-}DC} - \min(P_{PowerClass,EN\text{-}DC}\ ,10*\log_{10}(10\text{^}((P_{PowerClass,E\text{-}UTRA} - MPR_{E\text{-}UTRA})/10) + 10\text{^}((P_{PowerClass,NR} - MPR_{NR})/10))$$

where

$$MPR_{E\text{-}UTRA} = MAX(MPR_{single,E\text{-}UTRA},\ MPR_{ENDC}\ )$$

with

- $MPR_{single,\ E\text{-}UTRA}$ is the MPR defined for the E-UTRA transmission in TS 36.101 [4]
- $MPR_{single,NR}$ is the MPR defined for the NR transmission in TS 38.101-1 [2]

For UEs not supporting dynamic power sharing the following

- for the MCG,

$$MPR_c = MAX(MPR_{single,E\text{-}UTRA},\ MPR_{ENDC}\ )$$

- for the SCG,

$$MPR'_c = MAX(\ MPR_{single,NR},\ MPR_{ENDC}\ )$$

where

- $MPR_{single,NR}$ is the MPR defined for the NR transmission in TS 38.101-1 [2]
- $MPR_{single,E\text{-}UTRA}$ is the MPR defined for the E-UTRA transmission in TS 36.101 [4]

$MPR_{ENDC}$ is defined in Clause 6.2B.2.2.2

### 6.2B.2.2.2 MPR for power class 3 and power class 2

MPR in this clause is applicable for power class 3 and power class 2 UEs indicating IE *dualPA-Architecture* supported with EN-DC power class being the same as the E-UTRA and NR power class, otherwise the UE can use as much MPR as needed to fulfil emissions requirements when scheduled with dual uplink transmission. For UEs scheduled with single uplink transmission, MPR in clause 6.2.4 of TS 36.101 [4] and 6.2.2 of TS 38.101-1 [2] apply. The allowed maximum output power reduction for IM3 related emissions applied to transmission on the MCG and the SCG is defined as follows:

$$MPR_{ENDC} = M_A$$

Where $M_A$ is defined as follows

$$M_A = \begin{cases} 18 ; & 0 \le B < 1.0 \\ 17 ; & 1.0 \le B < 2.0 \\ 16 ; & 2.0 \le B < 5.0 \\ 15 ; & 5.0 \le B \end{cases}$$

Where:

For UEs supporting dynamic power sharing,

$$B = (L_{CRB_alloc,\ E\text{-}UTRA} * 12 * SCS_{E\text{-}UTRA} + L_{CRB_alloc,NR} * 12 * SCS_{NR})/1{,}000.000$$

For UEs not supporting dynamic power sharing,

For E-UTRA

$$B = (L_{CRB_alloc,\ E\text{-}UTRA} * 12 * SCS_{E\text{-}UTRA} + 12 * SCS_{NR})/1{,}000.000$$

Where $SCS_{NR}$ = 15 kHz is assumed in calculation of B.

For NR

$$B = (12 * SCS_{E\text{-}UTRA} + L_{CRB_alloc,NR} * 12 * SCS_{NR})/1{,}000.000$$

Where $SCS_{E\text{-}UTRA}$ = 15 kHz is assumed in calculation of B.

and $M_A$ is reduced by 1 dB for B < 2.

### 6.2B.2.3 Inter-band EN-DC within FR1

For inter-band EN-DC between E-UTRA and FR1 NR, UE maximum output power reduction specified in TS 36.101 [4] and TS 38.101-1 [2] apply for E-UTRA and NR respectively.

### 6.2B.2.3a Inter-band NE-DC within FR1

For inter-band NE-DC between E-UTRA and FR1 NR, UE maximum output power reduction specified in TS 36.101 [4] and TS 38.101-1 [2] apply for E-UTRA and NR respectively.

### 6.2B.2.4 Inter-band EN-DC including FR2

UE maximum output power reduction requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.3 and 6.2.3A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.2, 6.2A.2 , and 6.2D.2 of TS 38.101-2 [3] apply.

### 6.2B.2.4a Inter-band NE-DC including FR2

UE maximum output power reduction requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.3 and 6.2.3A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.2, 6.2A.2 , and 6.2D.2 of TS 38.101-2 [3] apply.

### 6.2B.2.5 Inter-band EN-DC including both FR1 and FR2

UE maximum output power reduction requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.3 and 6.2.3A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.2 of TS 38.101-1 [2] and clause 6.2.2, 6.2A.2 , and 6.2D.2 of TS 38.101-2 [3] apply.

## 6.2B.3 UE additional maximum output power reduction for EN-DC

### 6.2B.3.1 Intra-band contiguous EN-DC

#### 6.2B.3.1.0 General

For intra-band contiguous EN-DC band combinations with additional requirements the allowed A-MPR is specified in Table 6.2B.3.1.0-1 for UEs configured with EN-DC and combinations of network signalling values indicated in the E-UTRA and NR cell groups.

Unless otherwise stated the A-MPR specified in clause 6.2B.3.1 for intra-band contiguous EN-DC configurations is the total power reduction allowed including MPR.

**Table 6.2B.3.1.0-1: Additional maximum power reduction for Intra-band contiguous EN-DC**

| DC configuration | Requirement (clause) | E-UTRA network signalling value | NR network signalling value | A-MPR (clause) |
|---|---|---|---|---|
| DC_(n)71AA | 6.5B.2.1.2.1 | NS_35 | NS_35 | 6.2B.3.1.1[3] |
| DC_(n)41AA[1] | 6.5B.2.1.2.2<br>6.5B.4.1.1 | NS_01 or NS_04 | NS_04 | 6.2B.3.1.2[4] |
| NOTE 1: Only applies to UEs that support dual UL transmission for this EN-DC combination.<br>NOTE 2: The additional emission requirement is indicated when the combination of network signalling values in the two CGs is set (only for UEs configured with EN-DC).<br>NOTE 3: The A-MPR is applied as MPR if NS_35 is not signalled.<br>NOTE 4: Void | | | | |

#### 6.2B.3.1.1 A-MPR for DC_(n)71AA

For UE supporting dynamic power sharing the following:

- for the MCG, $A\text{-}MPR_c$ in accordance with TS 36.101 [4]
- for the SCG, $A\text{-}MPR'_c = A\text{-}MPR_{DC}$
- for the total configured transmission power, $A\text{-}MPR_{tot} = A\text{-}MPR_{DC}$

with $A\text{-}MPR_{DC}$ as defined in this clause.

For UEs not supporting dynamic power sharing the following

- for the MCG,

$$A\text{-}MPR_c = A\text{-}MPR_{E\text{-}UTRA}$$

- for the SCG,

$$A\text{-}MPR'_c = A\text{-}MPR_{NR}$$

with $A\text{-}MPR_{E\text{-}UTRA}$ and $A\text{-}MPR_{NR}$ as defined in this clause.

For DC_(n)71AA with configured with network signaling values as per Table 6.2B.3.1.0-1 the allowed A-MPR is defined by

- for UE indicating support of dynamicPowerSharing in the *UE-MRDC-Capability* IE

$$\text{A-MPR}_{DC} = \text{CEIL}\{ M_{A,DC}(A), 0.5\}$$

where $\text{A-MPR}_{DC}$ is the total power reduction allowed (dB),

- for OFDM:

| | | |
|---|---|---|
| $M_{A,DC}$ = | 11.00 - 11.67*A; | 0.00 < A ≤ 0.30 |
| | 8.10 - 2.00*A; | 0.30 < A ≤ 0.80 |
| | 6.50; | 0.80 < A ≤ 1.00 |

- for DFT-S-OFDM:

| | | |
|---|---|---|
| $M_{A,DC}$ = | 11.00 - 13.33*A; | 0.00 < A ≤ 0.30 |
| | 8.00 - 3.33*A; | 0.30 < A ≤ 0.60 |
| | 6.00; | 0.60 < A ≤ 1.00 |

where

$$A = \frac{L_{CRB,E-UTRA} + L_{CRB,NR}}{N_{RB,E-UTRA} + N_{RB,NR}}$$

with $L_{CRB,\ E\text{-}UTRA}$ and $N_{RB,\ E\text{-}UTRA}$ the number of allocated PRB and transmission bandwidth for MCG, $L_{CRB,NR}$ and $N_{RB,NR}$ the number of allocated PRB and transmission bandwidth for SCG with SCS = 15 kHz.

- for UE not indicating support of dynamicPowerSharing

$$\text{A-MPR}_{E\text{-}UTRA} = \text{CEIL}\{ M_{A,E\text{-}UTRA}, 0.5\}$$

$$\text{A-MPR}_{NR} = \text{CEIL}\{ M_{A,NR}, 0.5\}$$

where A-MPR is the total power reduction allowed per CG with

$$M_{A,E-UTRA} = M_{A,DC}(A_{E-UTRA,wc}) - 1 - \Delta_{E-UTRA}$$

$$M_{A,NR} = M_{A,DC}(A_{NR,wc}) - 1 - \Delta_{NR}$$

$$A_{E-UTRA,wc} = \frac{L_{CRB,E-UTRA} + 1}{N_{RB,E-UTRA} + N_{RB,NR}}$$

$$A_{NR,wc} = \frac{1 + L_{CRB,NR}}{N_{RB,E-UTRA} + N_{RB,NR}}$$

$$\Delta_{E-UTRA} = 10\ log_{10} \frac{N_{RB,E-UTRA}}{N_{RB,E-UTRA} + N_{RB,NR}}$$

$$\Delta_{NR} = 10\ log_{10} \frac{N_{RB,NR}}{N_{RB,E-UTRA} + N_{RB,NR}}$$

Where $L_{CRB,NR}$ and $N_{RB,NR}$ the number of allocated PRB and transmission bandwidth for SCG with SCS = 15 kHz.

### 6.2B.3.1.2 A-MPR for NS_04

#### 6.2B.3.1.2.0 General

When the UE is configured for B41/n41 intra-band contiguous EN-DC and it receives IE NS_04, the UE determines the total allowed maximum output power reduction as specified in this clause. The A-MPR for EN-DC defined in this clause is used instead of MPR defined in 6.2B.2.1, not additively, so EN-DC MPR = 0 when NS_04 is signaled. For UEs scheduled with single uplink transmission, AMPR in clause 6.2.4 of [4] and 6.2.3 of [2] apply.

For UE supporting dynamic power sharing the following:

- for the MCG, $A\text{-}MPR_c$ in accordance with TS 36.101 [4]
- for the SCG,

$$A\text{-}MPR'_c = A\text{-}MPR_{NR} = MAX(\ A\text{-}MPR_{single,NR},\ A\text{-}MPR_{IM3})$$

- for the total configured transmission power,

$$A\text{-}MPR_{tot} = P_{PowerClass,EN\text{-}DC} - \min(P_{PowerClass,EN\text{-}DC}\ ,10*\log_{10}(10\text{^}((P_{PowerClass,E\text{-}UTRA} - A\text{-}MPR_{E\text{-}UTRA})/10) + 10\text{^}((P_{PowerClass,NR} - A\text{-}MPR_{NR})/10))$$

where

$$A\text{-}MPR_{E\text{-}UTRA} = MAX(\ A\text{-}MPR_{single,E\text{-}UTRA} + MPR_{single,E\text{-}UTRA},\ A\text{-}MPR_{IM3}\ )$$

with

- $A\text{-}MPR_{single,\ E\text{-}UTRA}$ is the A-MPR defined for the E-UTRA transmission in TS 36.101 [4]
- $A\text{-}MPR_{single,NR}$ is the A-MPR defined for the NR transmission in TS 38.101-1 [2]
- $MPR_{single,E\text{-}UTRA}$ is the MPR defined for the E-UTRA transmission in TS 36.101 [4]

For UEs not supporting dynamic power sharing the following

- for the MCG,

$$A\text{-}MPR_c = MAX(\ A\text{-}MPR_{single,\ E\text{-}UTRA} + MPR_{single,E\text{-}UTRA},\ A\text{-}MPR_{IM3}\ )$$

- for the SCG,

$$A\text{-}MPR'_c = MAX(\ A\text{-}MPR_{single,NR},\ A\text{-}MPR_{IM3}\ )$$

where

- $A\text{-}MPR_{single,\ E\text{-}UTRA}$is the A-MPR defined for the E-UTRA transmission in TS 36.101 [4]
- $A\text{-}MPR_{single,NR}$ is the A-MPR defined for the NR transmission in TS 38.101-1 [2]
- $MPR_{single,E\text{-}UTRA}$ is the MPR defined for the E-UTRA transmission in TS 36.101 [4]

The UE determines the Allocation Configuration Case and the value of $A\text{-}MPR_{IM3}$ as follows:

If $F_{IM3,low_block,low} < 2490.5$ MHz

Allocation Configuration Case B. $A\text{-}MPR_{IM3}$ defined in Clause 6.2B.3.1.2.2

Else

Allocation Configuration Case A. $A\text{-}MPR_{IM3}$ defined in Clause 6.2B.3.1.2.1

where

- $F_{IM3,low_block,low} = (2 * F_{low_alloc,low_edge}) - F_{high_alloc,high_edge}$
- $F_{low_alloc,low_edge}$ is the lowermost frequency of lower transmission bandwidth configuration.

- $F_{high_alloc,high_edge}$ is the uppermost frequency of upper transmission bandwidth configuration.

Where the transmission bandwidth configuration for NR is the maximum frequency span covering all the configured SCSSpecificCarrier for scenarios that carrier bandwidths with different SCS can be fully overlapped.

NOTE: For non-dynamic power sharing capable UEs, since the allocation is unknown for one RAT, the edges of the channel transmission bandwidth are used instead of the edges of the RB allocations for that RAT.

#### 6.2B.3.1.2.1 A-MPR$_{IM3}$ for NS_04 to meet -13 dBm / 1MHz

A-MPR in this clause is relative to 26 dBm for a power class 2 Cell Group. The same A-MPR is used relative to 23 dBm for a power class 3 Cell Group. For the UE is configured with allocation configurations Case A or Case C (defined in Clause 6.2B.3.2.1), the allowed maximum output power reduction for IM3s applied to transmission on the MCG and the SCG with non-contiguous resource allocation is defined as follows:

$$A\text{-}MPR_{IM3} = M_A$$

Where $M_A$ is defined as follows

$$M_A = \begin{cases} 12 ; & 0 \le B < 0.54 \\ 10 ; & 0.54 \le B < 1.08 \\ 9 ; & 1.08 \le B < 2.16 \\ 8.5 ; & 2.16 \le B < 3.24 \\ 8 ; & 3.24 \le B < 5.4 \\ 6 ; & 5.4 \le B \end{cases}$$

Where:

For UEs supporting dynamic power sharing,

$$B = (L_{CRB_alloc,\ E\text{-}UTRA} * 12 * SCS_{E\text{-}UTRA} + L_{CRB_alloc,NR} * 12 * SCS_{NR})/1{,}000{,}000$$

For UEs not supporting dynamic power sharing,

For E-UTRA

$$B = (L_{CRB_alloc,\ E\text{-}UTRA} * 12 * SCS_{E\text{-}UTRA} + 12 * SCS_{NR})/1{,}000{,}000$$

Where $SCS_{NR}$ =15 kHz is assumed in calculation of B.

For NR

$$B = (12 * SCS_{E\text{-}UTRA} + L_{CRB_alloc,NR} * 12 * SCS_{NR})/1{,}000{,}000$$

Where $SCS_{E\text{-}UTRA}$ = 15 kHz is assumed in calculation of B.

and $M_A$ is reduced by 1 dB for B < 2.0.

#### 6.2B.3.1.2.2 A-MPR for NS_04 to meet -25 dBm / 1MHz for 26 dBm UE power

A-MPR in this clause is relative to 26 dBm for a power class 2 Cell Group. The same A-MPR is used relative to 23 dBm for a power class 3 Cell Group. For the UE is configured with allocation configurations Case B or Case D (defined in Clause 6.2B.3.2.1), the allowed maximum output power reduction for IM3s applied to transmission on the MCG and the SCG with non-contiguous resource allocation is defined as follows:

$$A\text{-}MPR_{IM3} = M_A$$

Where $M_A$ is defined as follows

$$M_A = \begin{cases} 15 ; & 0 \le B < 1.08 \\ 14 ; & 1.08 \le B < 5.4 \end{cases}$$

$$13\ ;\quad 5.4 \le B < 8.1$$

$$12\ ;\quad 8.1 \le B < 25.2$$

$$10\ ;\quad 25.2 \le B$$

Where:

For UEs supporting dynamic power sharing,

$$B = (L_{CRB_alloc,\ E\text{-}UTRA} * 12 * SCS_{E\text{-}UTRA} + L_{CRB_alloc,NR} * 12 * SCS_{NR})/1{,}000.000$$

For UEs not supporting dynamic power sharing,

For E-UTRA

$$B = (L_{CRB_alloc,E\text{-}UTRA} * 12 * SCS_{E\text{-}UTRA} + 12 * SCS_{NR})/1{,}000{,}000$$

Where $SCS_{NR}$ =15 kHz is assumed in calculation of B.

For NR

$$B = (12 * SCS_{E\text{-}UTRA} + L_{CRB_alloc,NR} * 12 * SCS_{NR})/1{,}000{,}000$$

Where $SCS_{E\text{-}UTRA}$ = 15 kHz is assumed in calculation of B.

and $M_A$ is reduced by 1 dB.

## 6.2B.3.2 Intra-band non-contiguous EN-DC

### 6.2B.3.2.0 General

For intra-band non-contiguous EN-DC band combinations with additional requirements the A-MPR allowed are specified in Table 6.2B.3.2.0-1 for UEs configured with EN-DC and combinations of network signalling values indicated in the E-UTRA and NR cell group(s). Unless otherwise stated the A-MPR specified in clause 6.2B.3.2 for intra-band non-contiguous EN-DC configurations is the total power reduction allowed including MPR. For UEs scheduled with single uplink transmission, AMPR in clause 6.2.4 of [4] and 6.2.3 of [2] apply.

**Table 6.2B.3.2.0-1: Allowed power reduction for intra-band non-contiguous EN-DC**

| DC configuration | Requirement (clause) | E-UTRA network signalling value | NR network signalling value | A-MPR (clause) |
|---|---|---|---|---|
| DC_41A_n41A[1] | 6.6.3.3.19 and 6.6.2.2.2 of TS 36.101 [4] and 6.5.2.3.2 and 6.5.3.3.1 of TS 38.101-1 [2] | NS_01 or NS_04 | NS_04 | 6.2B.3.2.1 |
| NOTE 1: Only applies to UEs that support dual UL transmission for this EN-DC combination.<br>NOTE 2: The requirement applies when the combination of network signalling values in the two CGs is set (only for UEs configured with EN-DC).. | | | | |

### 6.2B.3.2.1 A-MPR for NS_04

When the UE is configured for B41/n41 intra-band non-contiguous EN-DC and it receives IE NS_04, the UE determines the total allowed maximum output power reduction as specified in this clause. The A-MPR for EN-DC defined in this clause is used instead of MPR defined in 6.2B.2.2, not additively, so EN-DC MPR=0 when NS_04 is signaled.

For UE supporting dynamic power sharing the following:

- for the MCG, $A\text{-}MPR_c$ in accordance with TS 36.101 [4]

- for the SCG,

$$A\text{-}MPR'_c = A\text{-}MPR_{NR} = MAX(\ A\text{-}MPR_{single,NR},\ A\text{-}MPR_{EN\text{-}DC})$$

- for the total configured transmission power,

$$A\text{-}MPR_{tot} = P_{PowerClass,EN\text{-}DC} - \min(P_{PowerClass,EN\text{-}DC}\ ,10*\log_{10}(10\text{^}((P_{PowerClass,E\text{-}UTRA} - A\text{-}MPR_{E\text{-}UTRA})/10) + 10\text{^}((P_{PowerClass,NR} - A\text{-}MPR_{NR})/10))$$

where

$$A\text{-}MPR_{E\text{-}UTRA} = MAX(\ A\text{-}MPR_{single,E\text{-}UTRA} + MPR_{single,E\text{-}UTRA},\ A\text{-}MPR_{EN\text{-}DC}\ )$$

$$A\text{-}MPR_{EN\text{-}DC} = MAX(A\text{-}MPR_{IM3},\ A\text{-}MPR_{ACLRoverlap}\ )$$

with

- $A\text{-}MPR_{single,\ E\text{-}UTRA}$ is the A-MPR defined for the E-UTRA transmission in TS 36.101 [4]
- $A\text{-}MPR_{single,NR}$ is the A-MPR defined for the NR transmission in TS 38.101-1 [2]
- $MPR_{single,E\text{-}UTRA}$ is the MPR defined for the E-UTRA transmission in TS 36.101 [4]

For UEs not supporting dynamic power sharing the following

- for the MCG,

$$A\text{-}MPR_c = MAX(\ A\text{-}MPR_{single,\ E\text{-}UTRA} + MPR_{single,E\text{-}UTRA},\ A\text{-}MPR_{IM3},\ A\text{-}MPR_{ACLRoverlap})$$

- for the SCG,

$$A\text{-}MPR'_c = MAX(\ A\text{-}MPR_{single,NR},\ A\text{-}MPR_{IM3},\ A\text{-}MPR_{ACLRoverlap})$$

where

- $A\text{-}MPR_{single,\ E\text{-}UTRA}$ is the A-MPR defined for the E-UTRA transmission in TS 36.101 [4]
- $A\text{-}MPR_{single,NR}$ is the A-MPR defined for the NR transmission in TS 38.101-1 [2]
- $MPR_{single,E\text{-}UTRA}$ is the MPR defined for the E-UTRA transmission in TS 36.101 [4]

The UE determines the Allocation Configuration Case and the value of $A\text{-}MPR_{IM3}$ as follows:

If AND( $F_{IM3,low_block,high} < F_{filter,low}$ , MAX( $SEM_{-13,high}$, $F_{IM3,high_block,low}$ ) > $F_{filter,high}$ )

Allocation Configuration Case C. $A\text{-}MPR_{IM3}$ defined in Clause 6.2B.3.1.2.1

Else

Allocation Configuration Case D. $A\text{-}MPR_{IM3}$ defined in Clause 6.2B.3.1.2.2

where

- $F_{IM3,low_block,high} = (2 * F_{low_alloc,high_edge}\ ) - F_{high_alloc,low_edge}$
- $F_{IM3,high_block,low} = (2 * F_{high_alloc,low_edge}) - F_{low_alloc,high_edge}$
- $F_{low_alloc,low_edge}$ is the lowermost frequency of lower transmission bandwidth allocation.
- $F_{low_alloc,high_edge}$ is the uppermost frequency of lower transmission bandwidth allocation.
- $F_{high_alloc,low_edge}$ is the lowermost frequency of upper transmission bandwidth allocation.
- $F_{high_alloc,high_edge}$ is the uppermost frequency of upper transmission bandwidth allocation.
- $F_{filter,low}$ = 2480 MHz
- $F_{filter,high}$ = 2745 MHz

- $SEM_{-13,high}$ = Threshold frequency where upper spectral emission mask for upper channel drops from -13 dBm / 1MHz to -25 dBm / 1MHz, as specified in Clause6.6.2.2.2 in [4] and Clause 6.5.2.3.2 in [2] respectively.

Where the transmission bandwidth configuration for NR is the maximum frequency span covering all the configured SCSSpecificCarrier for scenarios that carrier bandwidths with different SCS can be fully overlapped

The UE determines the value of $A\text{-}MPR_{ACLRoverlap}$ as specified in Table 6.2B.3.2.1-1:

**Table 6.2B.3.2.1-1: $A\text{-}MPR_{ACLRoverlap}$**

| $W_{gap}$ | $A\text{-}MPR_{ACLRoverlap}$ |
|---|---|
| < $BW_{channel,E\text{-}UTRA}$ + $BW_{channel,NR}$ | 4 dB |
| ≥ $BW_{channel,E\text{-}UTRA}$ + $BW_{channel,NR}$ | 0 dB |
| NOTE 1: $W_{gap} = F_{high_channel,low_edge} - F_{low_channel,high_edge}$ | |

### 6.2B.3.3 Inter-band EN-DC within FR1

For inter-band EN-DC between E-UTRA and FR1 NR, UE additional maximum output power reduction specified in TS 36.101 [4] and TS 38.101-1 [2] apply for E-UTRA and NR respectively.

### 6.2B.3.3a Inter-band NE-DC within FR1

For inter-band NE-DC between E-UTRA and FR1 NR, UE additional maximum output power reduction specified in TS 36.101 [4] and TS 38.101-1 [2] apply for E-UTRA and NR respectively.

### 6.2B.3.4 Inter-band EN-DC including FR2

UE additional maximum output power reduction requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.4 and 6.2.4A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.3, 6.2A.3 and 6.2D.3 of TS 38.101-2 [3] apply.

### 6.2B.3.4a Inter-band NE-DC including FR2

UE additional maximum output power reduction requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.4 and 6.2.4A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.3, 6.2A.3 and 6.2D.3 of TS 38.101-2 [3] apply.

### 6.2B.3.5 Inter-band EN-DC including both FR1 and FR2

UE additional maximum output power reduction requirement for E-UTRA single carrier and CA operation specified in clauses 6.2.4 and 6.2.4A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.2.3 of TS 38.101-1 [2] and clause 6.2.3, 6.2A.3 and 6.2D.3 of TS 38.101-2 [3] apply.

## 6.2B.4 Configured output power for DC

### 6.2B.4.1 Configured output power level

#### 6.2B.4.1.1 Intra-band contiguous EN-DC

The following requirements apply for one component carrier per CG configured for synchronous DC.

For intra-band dual connectivity with one uplink serving cell per CG on E-UTRA and NR respectively, the UE is allowed to set its configured maximum output power $P_{CMAX,c(i),i}$ for serving cell *c(i)* of CG *i*, *i = 1,2*, and its total configured maximum transmission power for EN-DC operation $P_{Total}^{EN-DC}$= 10log10($\hat{P}_{total}^{EN-DC}$) with $\hat{P}_{total}^{EN-DC}$ as specified in clause 7.6 of TS 38.213 [10].

The configured maximum output power $P_{CMAX_E\text{-}UTRA,c}$ (*p*) in sub-frame *p* for the configured E-UTRA uplink carrier shall be set within the bounds:

$$P_{CMAX_L_E\text{-}UTRA,c}(p) \le P_{CMAX_E\text{-}UTRA,c}(p) \le P_{CMAX_H_E\text{-}UTRA,c}(p)$$

where $P_{CMAX_L_E\text{-}UTRA,c}$ and $P_{CMAX_H_E\text{-}UTRA,c}$ are the limits for a serving cell *c* as specified in TS 36.101 [4] clause 6.2.5 modified by $P_{LTE}$ as follows:

$$P_{CMAX_L_E\text{-}UTRA,c} = \text{MIN}\{\text{MIN}(P_{EMAX,c}, P_{EMAX,EN\text{-}DC}, P_{LTE}) - \Delta t_{C_E\text{-}UTRA,c}, (P_{PowerClass,EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC}), (P_{PowerClass} - \Delta P_{PowerClass}) - \text{MAX}(MPR_c + A\text{-}MPR_c + \Delta T_{IB,c} + \Delta T_{C_E\text{-}UTRA,c} + \Delta T_{ProSe}, P\text{-}MPR_c)\}$$

$$P_{CMAX_H_E\text{-}UTRA,c} = \text{MIN}\{P_{EMAX,c}, P_{EMAX,EN\text{-}DC}, P_{LTE}, P_{PowerClass,EN\text{-}DC}, P_{PowerClass} - \Delta P_{PowerClass}\}$$

where

- $P_{EMAX,EN\text{-}DC}$ is the value given by the field *p-maxUE-FR1* of the *RRCConnectionReconfiguration-v1530* IE as defined in TS 36.331 [8];
- $P_{LTE}$ is the value given by the field *p-maxEUTRA-r15* of the *RRCConnectionReconfiguration-v1510* IE as defined in TS 36.331 [8] which is the same as $P_{LTE}$ in TS 38.213 [10];
- $\Delta t_{C_EUTRA,c}$ = 1.5 dB when NOTE 2 in Table 6.2.2-1 of TS 36.101 [4] applies; $\Delta t_{C_EUTRA,c}$ = 0 dB otherwise;

and whenever NS_01 is not indicated within CG 1:

- for a UE indicating support of dynamicPowerSharing, the $MPR_c$ and the $A\text{-}MPR_c$ are determined in accordance with the DCI of serving cell *c* of the CG 1 and the specification in clause 6.2.4 of TS 36.101 [4];
- for a UE not indicating support of dynamicPowerSharing, the $A\text{-}MPR_c$ is determined in accordance with clause 6.2B.3.1 with parameters applicable for UEs not indicating support of dynamicPowerSharing and $MPR_c$ = 0 dB;

and whenever NS_01 is indicated in CG 1:

- for a UE indicating support of dynamicPowerSharing, the $MPR_c$ is determined in accordance with the DCI of serving cell *c* of the CG 1 and the specification in clause 6.2.4 of TS 36.101 [4];
- for a UE not indicating support of dynamicPowerSharing, the $MPR_c$ is determined in accordance with clause 6.2B.2.1 with parameters applicable for UEs not indicating support of dynamicPowerSharing and $A\text{-}MPR_c$ = 0 dB;

The configured maximum output power $P_{CMAX,f,c,NR}(q)$ in physical channel *q* for the configured NR carrier shall be set within the bounds:

$$P_{CMAX_L,f,c,,NR}(q) \le P_{CMAX,f,c,NR}(q) \le P_{CMAX_H,f,c,NR}(q)$$

where $P_{CMAX_L,f,c,NR}$ and $P_{CMAX_H,f,c,NR}$ are the limits for a serving cell c as specified in clause 6.2.4 of TS 38.101-1 [2] modified as follows:

$$P_{CMAX_L,f,c,,NR} = \text{MIN}\{\text{MIN}(P_{EMAX,c}, P_{EMAX,EN\text{-}DC}, P_{NR}) - \Delta T_{C_NR,c}, (P_{PowerClass,EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC}), (P_{PowerClass,NR} - \Delta P_{PowerClass,NR}) - \text{MAX}(\text{MAX}(MPR_c, A\text{-}MPR_c) + \Delta T_{IB,c} + \Delta T_{C_NR,c} + \Delta T_{RxSRS}, P\text{-}MPR_c)\}$$

$$P_{CMAX_H,f,c,NR} = \text{MIN}\{P_{EMAX,c}, P_{EMAX,EN\text{-}DC}, P_{NR}, P_{PowerClass,EN\text{-}DC}, P_{PowerClass,NR} - \Delta P_{PowerClass,NR}\}$$

where

- $P_{EMAX,EN\text{-}DC}$ is the value given by the field *p-maxUE-FR1* of the *RRCConnectionReconfiguration-v1530* IE as defined in TS 36.331 [8];
- $P_{LTE}$ signalled by RRC as *p-MaxEUTRA-r15* in TS 36.331 [8]
- $P_{NR}$ is the value given by the field *p-NR-FR1* of the *PhysicalCellGroupConfig* IE as defined in [9] and signalled by RRC;
- $\Delta T_{c_E\text{-}UTRA,c}$ = 1.5dB when NOTE 2 in Table 6.2.2-1 in TS 36.101 [4] applies for a serving cell *c*, otherwise $\Delta T_{C_E\text{-}UTRA,c}$ = 0dB;
- $\Delta T_{C_NR,c}$ = 1.5dB when NOTE 3 in Table 6.2.1-1 in TS 38.101-1 [2] applies for a serving cell *c*, otherwise $\Delta T_{C_NR,c}$ = 0dB;

- $\Delta T_{IB,c}$ specified in clause 6.2B.4.2.1 for EN-DC, the individual Power Class defined in table 6.2B.1.1 and any other additional power reductions parameters specified in clauses 6.2B.2 and 6.2B.3 for EN-DC are applicable to $P_{CMAX_E\text{-}UTRA,c}$ and $P_{CMAX,f,c,NR}$ evaluations.

- $P_{PowerClass,\ EN\text{-}DC}$ is defined in clause 6.2B.1.1 for intra-band contiguous EN-DC;

- $P_{PowerClass,NR}$ is the nominal UE power of the power class that the UE supports for the NR band of the EN-DC combination as defined in clause 6.2.1 of 38.101-1 [2]; in case IE [*powerClassNRPart*] as defined in TS 38.331 [9] is indicated, $P_{PowerClass,NR}$ should use that value instead.

- $P_{PowerClass,E\text{-}UTRA}$ is the nominal UE power of the power class that the UE supports for the E-UTRA band of the EN-DC combination as defined in clause 6.2.2 of 36.101 [4];- $\Delta P_{PowerClass,EN\text{-}DC}$ is 3 dB for a power class 2 capable EN-DC UE when LTE UL/DL configuration is 0 or 6; or LTE UL/DL configuration is 1 and special subframe configuration is 0 or 5; $\Delta P_{PowerClass,EN\text{-}DC}$ = 3 dB when the IE *p-maxUE-FR1* as defined in TS 36.331 [4] is provided and set to the maximum output power of the default power class or lower; $\Delta P_{PowerClass,EN\text{-}DC}$ is 6 dB for a power class 1.5 capable EN-DC UE when the LTE UL duty cycle is greater than max(50%, maxUplinkDutyCycle); $\Delta P_{PowerClass,EN\text{-}DC}$ is 3 dB for a power class 1.5 capable EN-DC UE when the LTE UL duty cycle is between max(50%, maxUplinkDutyCycle) and max(25%, maxUplinkDutyCycle/2); otherwise $\Delta P_{PowerClass,EN\text{-}DC}$ = 0 dB;

and whenever an NS signalling other than NS_01 is indicated within CG 2:

- for a UE indicating support of dynamicPowerSharing, A-MPR$_c$ = A-MPR'$_c$ with A-MPR'$_c$ determined in accordance with clause 6.2B.3.1 and MPR$_c$ = 0 dB if transmission(s) in subframe *p* on CG 1 overlap in time with physical channel *q* on CG 2;

- for a UE indicating support of dynamicPowerSharing, A-MPR$_c$ is determined in accordance with TS 38.101-1 [2] if transmission(s) in subframe *p* on CG 1 does not overlap in time with physical channel *q* on CG 2;

- for a UE not indicating support of dynamicPowerSharing, the A-MPR$_c$ is determined in accordance with clause 6.2B.3.1 with parameters applicable for UEs not indicating support of dynamicPowerSharing and MPR$_c$ = 0 dB;

and whenever NS_01 is indicated in CG 2.

- for a UE indicating support of dynamicPowerSharing, MPRc = MPR'c with MPR'c determined in accordance with clause 6.2B.2.1 and A-MPRc = 0 dB if transmission(s) in subframe p on CG 1 overlap in time with physical channel q on CG 2;

- for a UE indicating support of dynamicPowerSharing, MPRc is determined in accordance with TS 38.101-1 [2] if transmission(s) in subframe p on CG 1 does not overlap in time with physical channel q on CG 2;

- for a UE not indicating support of dynamicPowerSharing, the MPRc is determined in accordance with clause 6.2B.2.1 with parameters applicable for UEs not indicating support of dynamicPowerSharing and A-MPRc = 0 dB;

If the transmissions from NR and E-UTRA do not overlap, then the complete clauses for configured transmitted power for E-UTRA and NR respectively from their own specifications apply with the modifications specified above. The lower value between $P_{PowerClass,\ EN\text{-}DC}$ or $P_{EMAX,\ EN\text{-}DC}$ shall not be exceeded at any time by UE.

If the EN-DC UE is not supporting dynamic power sharing, then the complete clauses for configured transmitted power for E-UTRA and NR respectively from their own specifications TS 36.101 [4] and TS 38.101-1 [2] respectively apply with the modifications specified above.

If the UE does not support dynamic power sharing,

$$P_{Total}^{EN-DC} = \text{MIN}\ \{\ P_{EMAX,\ EN\text{-}DC}\ ,\ P_{PowerClass,\ EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC}\ \} + 0.3\ \text{dB}$$

For UEs indicating support of dynamicPowerSharing in the *UE-MRDC-Capability* IE the UE can configure the total maximum transmission power $P_{Total}^{EN-DC}$ within the range

$$P_{EN\text{-}DC,tot_L} \leq P_{Total}^{EN-DC} \leq P_{EN\text{-}DC,tot_H}$$

where

$$P_{EN\text{-}DC,tot_L}\ (p,q) = \text{MIN}\{\ P_{PowerClass,EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC} - \text{MAX}\{MPR_{tot},\ A\text{-}MPR_{tot}\},\ P_{EMAX,EN\text{-}DC}\}$$

$$P_{EN\text{-}DC,tot_H}(p,q) = MIN\{P_{PowerClass,EN\text{-}DC}, P_{EMAX,EN\text{-}DC}\}$$

for sub-frame *p* on CG 1 overlapping with physical channel *q* on CG 2 and with $MPR_{tot}$ and $A\text{-}MPR_{tot}$ in accordance with 6.2B.2.1 and clause 6.2B.3.1, respectively.

The measured total maximum output power $P_{UMAX}$ over both CGs/RATs, measured over the transmission reference time duration is

$$P_{UMAX} = 10 \log_{10} [p_{UMAX,c,E\text{-}UTRA} + p_{UMAX,f,c,NR}],$$

where $p_{UMAX,c,E\text{-}UTRA}$ and $p_{UMAX,c,NR}$ denotes the measured output power of serving cell *c for E-UTRA and NR* respectively, expressed in linear scale.

For UEs indicating support of dynamicPowerSharing, the measured total configured maximum output power $P_{UMAX}$ shall be within the following bounds:

$$P_{CMAX_L} - T_{LOW}(P_{CMAX_L}) \leq P_{UMAX} \leq P_{CMAX_H} + T_{HIGH}(P_{CMAX_H})$$

with the tolerances $T_{LOW}(P_{CMAX_L})$ and $T_{HIGH}(P_{CMAX_H})$ for applicable values of $P_{CMAX_L}$ and $P_{CMAX_L}$ specified in Table 6.2B.4.1.1-2.

When an UL subframe transmission *p* from E-UTRA overlap with a physical channel *q* from the NR, then for $P_{UMAX}$ evaluation, the E-UTRA subframe *p* is taken as reference period $T_{REF}$ and always considered as the reference measurement duration and the following rules are applicable.

$T_{REF}$ and $T_{eval}$ are specified in Table 6.2B.4.1.1-1 when same or different subframes and physical channel durations are used in aggregated carriers. $P_{PowerClass,EN\text{-}DC}$ shall not be exceeded by the UE during any evaluation period of time.

**Table 6.2B.4.1.1-1: $P_{CMAX}$ evaluation window**

| transmission duration | $T_{REF}$ | $T_{eval}$ |
|---|---|---|
| Different transmission duration in different RAT carriers | E-UTRA Subframe | Min($T_{no_hopping}$, Physical Channel Length) |

For each $T_{REF}$, the $P_{CMAX_H}$ is evaluated per $T_{eval}$ and given by the maximum value over the transmission(s) within the $T_{eval}$ as follows:

$$P_{CMAX_H} = MAX\{ P_{CMAX_EN\text{-}DC_H}(p,q), P_{CMAX_EN\text{-}DC_H}(p,q+1), \ldots, P_{CMAX_EN\text{-}DC_H}(p,q+n) \}$$

where $P_{CMAX_EN\text{-}DC_H}$ are the applicable upper limits for each overlapping scheduling unit pairs *(p,q)* , (*p, q+1*) , up to *(p, q+n*) for each applicable $T_{eval}$ duration, where q+*n* is the last NR UL physical channel overlapping with E-UTRA subframe p.

While $P_{CMAX_L}$ is computed as follows:

$$P_{CMAX_L} = MIN\{ P_{CMAX_EN\text{-}DC_L}(p,q), P_{CMAX_EN\text{-}DC_L}(p,q+1), \ldots, P_{CMAX_EN\text{-}DC_L}(p,q+n)\}$$

where $P_{CMAX_EN\text{-}DC_L}$ are the applicable lower limits for each overlapping scheduling unit pairs *(p,q)* , (*p, q+1*) , up to *(p, q+n*) for each applicable $T_{eval}$ duration, where q+*n* is the last NR UL physical channel overlapping with E-UTRA subframe p,

With

$$P_{CMAX_EN\text{-}DC_H}(p,q) = MIN\{10 \log_{10} [p_{CMAX\ H_E\text{-}UTRA,c}(p) + p_{CMAX\ H,f,c,NR}(q)], P_{EMAX,EN\text{-}DC}, P_{PowerClass,EN\text{-}DC}\}$$

And:

$$a = 10 \log_{10} [p_{CMAX_E\text{-}UTRA,c}(p) + p_{CMAX,f,c,NR}(q)] > P_{EN\text{-}DC,tot_L}$$

$$b = 10 \log_{10} [p_{CMAX_E\text{-}UTRA,c}(p) + p_{CMAX,f,c,NR}(q) / X_scale] > P_{EN\text{-}DC,tot_L}$$

If a= FALSE and the configured transmission power spectral density between the MCG and SCG differs by less than 6 dB

$$P_{CMAX_EN\text{-}DC_L}(p,q) = MIN\{10 \log_{10} [p_{CMAX\ L_E\text{-}UTRA,c}(p) + p_{CMAX\ L,f,c,,NR}(q)], P_{EMAX,EN\text{-}DC}, P_{PowerClass,EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC}\}$$

ELSE If (a=TRUE) AND (b=FALSE) and the configured transmission power spectral density between the MCG and SCG differs by less than 6 dB

$P_{CMAX_EN\text{-}DC_L}(p,q)$ = MIN {10 $\log_{10}$ [$p_{CMAX\ L_E\text{-}UTRA,c}(p)$ + $p_{CMAX\ L,f,c,,NR}(q)$ /X_scale ], $P_{EMAX,\ EN\text{-}DC}$ ,$P_{PowerClass,\ EN\text{-}DC}$ - $\Delta P_{PowerClass,EN\text{-}DC}$ }

ELSE If b= TRUE or the transmission power after power scaling spectral density between the MCG and SCG differs by more than 6 dB

$P_{CMAX_EN\text{-}DC_L}(p,q)$ = MIN {10 $\log_{10}$ [$p_{CMAX\ L_E\text{-}UTRA,c}(p)$ ], $P_{EMAX,\ EN\text{-}DC}$ ,$P_{PowerClass,\ EN\text{-}DC}$- $\Delta P_{PowerClass,EN\text{-}DC}$ }

where

- $p_{CMAX\ H_E\text{-}UTRA,c}(p)$ is the E-UTRA higher limit of the maximum configured power expressed in linear scale;
- $p_{CMAX\ H,f,c,NR}(q)$ is the NR higher limit of the maximum configured power expressed in linear scale;
- $p_{CMAX\ L_E\text{-}UTRA,c}(p)$ is the E-UTRA lower limit of the maximum configured power expressed in linear scale;
- $p_{CMAX\ L,f,c,NR}(q)$ is the NR lower limit of the maximum configured power expressed in linear scale;
- $P_{PowerClass,\ EN\text{-}DC}$ is defined in clause 6.2B.1.1 for intra-band EN-DC;
- X_scale is the linear value of X dB which is configured by RRC and can only take values [0 , 6] dB
- $p_{CMAX\ E\text{-}UTRA,c}(p)$ is the linear value of $P_{CMAX\ E\text{-}UTRA,c}(p)$, the real configured max power for E-UTRA
- $p_{CMAX,f,c\ NR}(q)$ is the linear value of $P_{CMAX,f,c,NR}(q)$, the real configured max power of NR

**Table 6.2B.4.1.1-2: $P_{CMAX}$ tolerance for Dual Connectivity E-UTRA-NR**

| $P_{CMAX}$(dBm) | Tolerance $T_{LOW}$ ($P_{CMAX_L}$) (dB) | Tolerance $T_{HIGH}$ ($P_{CMAX_H}$) (dB) |
|---|---|---|
| 23 ≤ $P_{CMAX}$ ≤ 33 | 3.0 | 2.0 |
| 22 ≤ $P_{CMAX}$ < 23 | 5.0 | 2.0 |
| 21 ≤ $P_{CMAX}$< 22 | 5.0 | 3.0 |
| 20 ≤ $P_{CMAX}$ < 21 | 6.0 | 4.0 |
| 16 ≤ $P_{CMAX}$ < 20 | 5.0 | |
| 11 ≤ $P_{CMAX}$ < 16 | 6.0 | |
| -40 ≤ $P_{CMAX}$ < 11 | 7.0 | |

If the UE supports dynamic power sharing, and when E-UTRA and NR transmissions overlap and the condition (If (a=TRUE) AND (b=FALSE)) is met, SCG shall be transmitted and the following supplementary minimum requirement apply for the measured SCG power, $P_{UMAX,f,c,NR}(q)$, under nominal conditions and unless otherwise stated

$10\log(p_{CMAX\ L,f,c,NR}(q)/X_scale) - T_{LOW}(10\log(p_{CMAX\ L,f,c,NR}(q)/X_scale))\} \leq P_{UMAX,f,c,NR}(q) \leq 10\log(p_{CMAX\ H,\ f,c,NR}(q)) + T_{HIGH}(10\log(p_{CMAX\ H,\ f,c,NR}(q)))$.

with the tolerances $T_{LOW}$ and $T_{HIGH}$ for applicable values of $P_{CMAX}$ specified in Table 6.2B.4.1.1-2.

If the UE supports dynamic power sharing, the measured maximum output power in subframe *p* on CG 1, $p_{UMAX,c,E\text{-}UTRA}$, shall meet the requirements in clause 6.2.5 in TS 36.101 [4] with the limits $P_{CMAX_L,c}$ and $P_{CMAX_H,c}$ replaced by $P_{CMAX_L_E\text{-}UTRA,c}$ and $P_{CMAX_H_E\text{-}UTRA,c}$ as specified above, respectively.

If the configured transmission power spectral density between the MCG and SCG differs by more than 6 dB, then

$$P_{UMAX,f,c,NR}(q) \leq 10\log(p_{CMAX\ H,\ f,c,NR}(q)) + T_{HIGH}(10\log(p_{CMAX\ H,\ f,c,NR}(q))).$$

### 6.2B.4.1.2 Intra-band non-contiguous EN-DC

The following requirements apply for one component carrier per CG configured for synchronous DC. The CG(s) are indexed by *j* = 1 for MCG and *j* = 2 for SCG.

The configured maximum output power $P_{CMAX_E\text{-}UTRA,c}(p)$ in sub-frame *p* for the configured E-UTRA uplink carrier shall be set in accordance with clause 6.2B.4.1.1 but where

- for a UE not indicating support of dynamicPowerSharing, the A-MPR$_c$ determined in accordance with clause 6.2B.3.2 with parameters applicable for UEs not indicating support of dynamicPowerSharing and MPR$_c$ = 0 dB;

whenever NS_01 is not indicated within CG 1 while

- for a UE not indicating support of dynamicPowerSharing, the MPR$_c$ determined in accordance with clause 6.2B.2.2 with parameters applicable for UEs not indicating support of dynamicPowerSharing and A-MPR$_c$ = 0 dB;

whenever NS_01 is indicated in CG 1.

The configured maximum output power $P_{CMAX,f,c,NR}(q)$ in physical channel *q* for the configured NR carrier shall be set in accordance with clause 6.2B.4.1.1 but where

- for a UE indicating support of dynamicPowerSharing, A-MPR$_c$ = A-MPR'$_c$ with A-MPR'$_c$ determined in accordance with clause 6.2B.3.2 and MPR$_c$ = 0 dB if transmission(s) in subframe *p* on CG 1 overlap in time with physical channel *q* on CG 2;

- for a UE indicating support of dynamicPowerSharing, A-MPR$_c$ is determined in accordance with TS 38.101-1 [2] if transmission(s) in subframe *p* on CG 1 does not overlap in time with physical channel *q* on CG 2;

- for a UE not indicating support of dynamicPowerSharing, the A-MPR$_c$ is determined in accordance with clause 6.2B.3.2 with parameters applicable for UEs not indicating support of dynamicPowerSharing and MPR$_c$ = 0 dB;

whenever NS_01 is not indicated in CG 2 while

- for a UE indicating support of dynamicPowerSharing, MPR$_c$ = MPR'$_c$ with MPR'$_c$ determined in accordance with clause 6.2B.2.2 and A-MPR$_c$ = 0 dB if transmission(s) in subframe *p* on CG 1 overlap in time with physical channel *q* on CG 2;

- for a UE indicating support of dynamicPowerSharing, MPR$_c$ is determined in accordance with TS 38.101-1 [2] if transmission(s) in subframe *p* on CG 1 does not overlap in time with physical channel *q* on CG 2;

- for a UE not indicating support of dynamicPowerSharing, the MPR$_c$ is determined in accordance with clause 6.2B.2.2 with parameters applicable for UEs not indicating support of dynamicPowerSharing and A-MPR$_c$ = 0 dB;

whenever NS_01 is indicated in CG 2.

For UEs indicating support of dynamicPowerSharing in the *UE-MRDC-Capability IE*, the UE can configure the total transmission power in accordance with clause 6.2B.4.1.1 but with $P_{powerclass,EN-DC}$ the EN-DC power class of the intra-band non-contiguous band combination configured and A-MPR determined in accordance with clause 6.2B.3.2.

The total maximum output power $P_{UMAX}$ over both CGs is measured in accordance with clause 6.2B.4.1.1 and shall be within the limits specified in clause 6.2B.4.1.1 but with parameters applicable for the non-contiguous band combination configured.

The maximum output power levels $p_{UMAX,c,E-UTRA}$ and $p_{UMAX,f,c,NR}$ for the CGs are measured in accordance with clause 6.2B.4.1.1 and shall be within the limits specified in clause 6.2B.4.1.1 but with parameters applicable for the non-contiguous band combination configured.

### 6.2B.4.1.3 Inter-band EN-DC within FR1

For inter-band dual connectivity with one uplink serving cell or more than one uplink serving cells configured for intra-band UL CA on the E-UTRA CG and one uplink serving cell on the NR CG or more than one uplink serving cells configured for intra-band UL CA, the UE is allowed to set its configured maximum output power $P_{CMAX,c(i),i}$ for serving cell *c(i)* of CG *i*, *i = 1,2*, and its total configured maximum transmission power for EN-DC operation, $P_{Total}^{EN-DC}$= 10log10($\hat{P}_{total}^{EN-DC}$) with $\hat{P}_{total}^{EN-DC}$ as specified in clause 7.6 of TS 38.213 [10]. For EN-DC with more than one uplink serving cells configured for intra-band UL CA on the E-UTRA CG, the $P_{CMAX}$ applies to the entire E-UTRA CG. For EN-DC with more than one uplink serving cells configured for intra-band UL CA on the NR CG, the $P_{CMAX}$ applies to the entire NR CG.

For a UE configured with EN-DC and serving cell frame structure type 1, if the UE is configured with *subframeAssignment-r15* for the serving cell and E-UTRA Pcell is FDD, the UE is not expected to be configured with more than one serving cells in the uplink.

The configured maximum output power $P_{CMAX_E\text{-}UTRA,c}(p)$ in sub-frame $p$ for the configured E-UTRA uplink carrier(s) shall be set within the bounds:

$$P_{CMAX_L_E\text{-}UTRA,c}(p) \leq P_{CMAX_E\text{-}UTRA,c}(p) \leq P_{CMAX_H_E\text{-}UTRA,c}(p)$$

where $P_{CMAX_L_E\text{-}UTRA,c}$ and $P_{CMAX_H_E\text{-}UTRA,c}$ are the limits for a serving cell $c$ as specified in TS 36.101 [4] clause 6.2.5 modified by $P_{LTE}$ as follows:

$$P_{CMAX_L_E\text{-}UTRA,c} = \text{MIN}\{ P_{EMAX,EN\text{-}DC}, (P_{PowerClass,EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC}), \text{MIN}(P_{EMAX,c}, P_{LTE}) - \Delta t_{C_E\text{-}UTRA,c}, (P_{PowerClass,E\text{-}UTRA} - \Delta P_{PowerClass,E\text{-}UTRA}) - \text{MAX}(MPR_c + A\text{-}MPR_c + \Delta T_{IB,c} + \Delta t_{C_E\text{-}UTRA,c} + \Delta T_{ProSe}, P\text{-}MPR_c)\}$$

$$P_{CMAX_H_E\text{-}UTRA,c} = \text{MIN}\{P_{EMAX,c}, P_{EMAX,EN\text{-}DC}, (P_{PowerClass,EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC}), P_{LTE}, P_{PowerClass,E\text{-}UTRA} - \Delta P_{PowerClass,E\text{-}UTRA}\}$$

For EN-DC with more than one uplink serving cells configured for intra-band UL CA on the E-UTRA CG, $P_{CMAX_L_E\text{-}UTRA,c}$ and $P_{CMAX_H_E\text{-}UTRA,c}$ are the limits for the E-UTRA CG as specified in TS 36.101 [4] clause 6.2.5A modified by $P_{LTE}$ as follows:

$$P_{CMAX_L_E\text{-}UTRA,c} = \text{MIN}\{10 \log_{10} \sum p_{EMAX,c} - \Delta T_C, (P_{PowerClass} - \Delta P_{PowerClass}) - \text{MAX}(MPR + A\text{-}MPR + \Delta T_{IB,c} + \Delta T_C + \Delta T_{ProSe}, P\text{-}MPR), P_{LTE}, P_{powerclass,ENDC}\}$$

$$P_{CMAX_H_E\text{-}UTRA,c} = \text{MIN}\{10 \log_{10} \sum p_{EMAX,c}, P_{PowerClass}, P_{LTE}, P_{powerclass,ENDC}\}$$

The configured maximum output power $P_{CMAX,f,c,NR}(q)$ in physical-channel $q$ for the configured NR carrier shall be set within the bounds:

$$P_{CMAX_L,f,c,NR}(q) \leq P_{CMAX,f,c,NR}(q) \leq P_{CMAX_H,f,c,NR}(q)$$

where $P_{CMAX_L,f,c,NR}$ and $P_{CMAX_H,f,c,NR}$ are the limits for a serving cell c as specified in clause 6.2.4 of TS 38.101-1 [2] modified as follows:

$$P_{CMAX_L,f,c,NR} = \text{MIN}\{ P_{EMAX,EN\text{-}DC}, (P_{PowerClass,EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC}), \text{MIN}(P_{EMAX,c}, P_{NR}) - \Delta T_{C_NR,c}, (P_{PowerClass,NR} - \Delta P_{PowerClass,NR}) - \text{MAX}(\text{MAX}(MPR_c, A\text{-}MPR_c) + \Delta T_{IB,c} + \Delta T_{C_NR,c} + \Delta T_{RxSRS}, P\text{-}MPR_c)\}$$

$$P_{CMAX_H,f,c,NR} = \text{MIN}\{P_{EMAX,c}, P_{EMAX,EN\text{-}DC}, (P_{PowerClass,EN\text{-}DC} - \Delta P_{PowerClass,EN\text{-}DC}), P_{NR}, P_{PowerClass,NR} - \Delta P_{PowerClass,NR}\}$$

For EN-DC with more than one uplink serving cells configured for intra-band UL CA on the NR CG, $P_{CMAX_L,f,c,NR}$ and $P_{CMAX_H,f,c,NR}$ are the limits for the NR CG as specified in [2] subclause 6.2A.4 modified by $P_{NR}$ as follows:

$$P_{CMAX_L,f,c,NR} = \text{MIN}\{10 \log_{10} \sum p_{EMAX,c} - \Delta T_C, P_{EMAX,CA}, P_{PowerClass} - \text{MAX}(MPR + A\text{-}MPR + \Delta T_{IB,c} + \Delta T_{_NR,C} + \Delta T_{RxSRS}, P\text{-}MPR), P_{NR}, P_{powerclass,ENDC}\}$$

$$P_{CMAX_H,f,c,NR} = \text{MIN}\{10 \log_{10} \sum p_{EMAX,c}, P_{EMAX,CA}, P_{PowerClass}, P_{NR}, P_{powerclass,ENDC}\}$$

where

- $P_{EMAX,EN\text{-}DC}$ is the value given by the field *p-maxUE-FR1* of the *RRCConnectionReconfiguration-v1530* IE as defined in TS 36.331 [8];
- If more than one E-UTRA uplink serving cell is configured as intra-band UL CA in the E-UTRA CG, $P_{PowerClass}$ refers to the maximum output power of the E-UTRA intra-band CA power class given in Table 6.2.2A-1 of TS 36.101 [4],
- If more than one NR uplink serving cell is configured as intra-band UL CA in the NR CG, $P_{PowerClass}$ refers to the maximum output power of the NR intra-band CA power class given in sub clause 6.2A.1 of [2],
- $P_{LTE}$ is the value given by the field *p-maxEUTRA-r15* of the *RRCConnectionReconfiguration-v1510* IE as defined in TS 36.331 [8];
- If more than one E-UTRA uplink serving cell is configured as intra-band UL CA in the E-UTRA CG, $MPR_c$ = MPR and $A\text{-}MPR_c$ = A-MPR with MPR and A-MPR specified in clause 6.2.3A and clause 6.2.4A of TS 36.101 [4] respectively. There is one power management term for the UE, denoted P-MPR, and $P\text{-}MPR_c$ = P-

MPR. $P_{CMAX_E\text{-}UTRA,c}$ is calculated under the assumption that the transmit power is increased by the same amount in dB on all component carriers within the E-UTRA CG.

- If more than one NR uplink serving cell is configured as intra-band UL CA in the NR CG, $MPR_c$ and $A\text{-}MPR_c$ are determined by subclause 6.2.2 of [2]. There is one power management term for the UE, denoted P-MPR, and $P\text{-}MPR_c$ = P-MPR.

- $P_{NR}$ is the value given by the field *p-NR-FR1* of the *PhysicalCellGroupConfig* IE as defined in TS 38.331 [9];

- $\Delta t_{c_E\text{-}UTRA,c}$ = 1.5 dB when NOTE 2 in Table 6.2.2-1 in TS 36.101 [4] applies for a serving cell *c*, otherwise $\Delta T_{C_E\text{-}UTRA,c}$ = 0 dB;

- $\Delta T_{C_NR,c}$ = 1.5dB when NOTE 3 in Table 6.2.1-1 in TS 38.101-1 [2] applies for a serving cell *c*, otherwise $\Delta T_{C_NR,c}$ = 0 dB; $\Delta T_{C_NR,C}$ is the highest value $\Delta T_{C_NR,C}$ among all serving cells *c* if more than one NR uplink serving cell is configured as intra-band UL CA in the NR CG;

- $P_{PowerClass,\ EN\text{-}DC}$ is defined in clause 6.2B.1.3 for inter-band EN-DC;

- $P_{PowerClass,NR}$ is the nominal UE power of the power class that the UE supports for the NR band of the EN-DC combination as defined in clause 6.2.1 of 38.101-1 [2]; in case IE [*powerClassNRPart*] as defined in TS 38.331 [9] is indicated, $P_{PowerClass,NR}$ should use that value instead.

- $P_{PowerClass,E\text{-}UTRA}$ is the nominal UE power of the power class that the UE supports for the E-UTRA band of the EN-DC combination as defined in clause 6.2.2 of 36.101 [4];

- $\Delta T_{IB,c}$ specified in clause 6.2B.4.2.3 for EN-DC, the individual Power Class defined in table 6.2B.1.3 and any other additional power reductions parameters specified in clauses 6.2B.2 and 6.2B.3for EN-DC are applicable to $P_{CMAX_E\text{-}UTRA,c}$ and $P_{CMAX,f,c,NR}$ evaluations.

- $\Delta P_{PowerClass,EN\text{-}DC}$ = 3 dB for a power class 2 capable EN-DC UE when requirements of default power class had been applied as specified in sub-clause 6.2B.1; otherwise $\Delta P_{PowerClass,EN\text{-}DC}$ = 0 dB;

- $\Delta T_{RxSRS}$ is the highest value among all serving cells *c*.

If the transmissions from NR and E-UTRA do not overlap, then the complete clauses for configured transmitted power for E-UTRA and NR respectively from their own specifications apply with the modifications specified above. The lower value between $P_{PowerClass,\ EN\text{-}DC}$ or $P_{EMAX,\ EN\text{-}DC}$ shall not be exceeded at any time by UE.

$P_{Total}^{EN-DC}$ = 10log10($\hat{P}_{total}^{EN-DC}$) with $P_{Total}^{EN-DC}$ the configured maximum transmission power for EN-DC operation as specified in clause 7.6 of TS 38.213 [10].

The total configured maximum transmission power for both synchronous and non-synchronous operation is

$$P_{Total}^{EN-DC} = \text{MIN}\ \{\ P_{EMAX,\ EN\text{-}DC}\ , P_{PowerClass,\ EN\text{-}DC} - \Delta P_{PowerClass,\ EN\text{-}DC}\ \}$$

If the UE does not support dynamic power sharing,

$$P_{Total}^{EN-DC} = \text{MIN}\ \{\ P_{EMAX,\ EN\text{-}DC}\ , P_{PowerClass,\ EN\text{-}DC} - \Delta P_{PowerClass,\ EN\text{-}DC}\ \} + 0.3\ \text{dB}$$

If the EN-DC UE does not support dynamic power sharing, then the complete clauses for configured transmitted power for E-UTRA and NR respectively from their own specifications TS 36.101 [4] and TS 38.101-1 [2] respectively apply with the modifications specified above and $P_{Total}^{EN-DC}$ applies.

When a UE supporting dynamic sharing is configured for overlapping E-UTRA uplink and NR uplink transmissions, the UE can set its configured maximum output power $P_{CMAX_E\text{-}UTRA,c}$ and $P_{CMAX,f,c,NR}$ for the configured E-UTRA and NR uplink carriers, respectively, and its configured maximum transmission power for EN-DC operation, $\hat{P}_{Total}^{EN-DC}$, as specified above.

The measured total maximum output power $P_{UMAX}$ over both CGs/RATs, measured over the transmission reference time duration is

$$P_{UMAX} = 10\ \log_{10}\ [p_{UMAX,c,E\text{-}UTRA} + p_{UMAX,c,NR}],$$

where $p_{UMAX,c,E\text{-}UTRA}$ and $p_{UMAX,c,NR}$ denotes the measured output power of serving cell *c for E-UTRA and NR* respectively, expressed in linear scale.

The measured total configured maximum output power $P_{UMAX}$ shall be within the following bounds:

$$P_{CMAX_L} - T_{LOW}(P_{CMAX_L}) \leq P_{UMAX} \leq P_{CMAX_H} + T_{HIGH}(P_{CMAX_H})$$

with the tolerances $T_{LOW}(P_{CMAX_H})$ and $T_{HIGH}(P_{CMAX_H})$ for applicable values of $P_{CMAX}$ specified in Table 6.2B.4.1.3-2.

When an UL subframe transmission *p* from E-UTRA overlap with a physical-channel *q* from the NR, then for $P_{UMAX}$ evaluation, the E-UTRA subframe *p* is taken as reference period $T_{REF}$ and always considered as the reference measurement duration and the following rules are applicable.

$T_{REF}$ and $T_{eval}$ are specified in Table 6.2B.4.1.3-1 when same or different subframe and physical-channel durations are used in aggregated carriers. $P_{PowerClass,EN\text{-}DC}$ shall not be exceeded by the UE during any evaluation period of time.

**Table 6.2B.4.1.3-1: $P_{CMAX}$ evaluation window**

| transmission duration | $T_{REF}$ | $T_{eval}$ |
|---|---|---|
| Different transmission duration in different RAT carriers | E-UTRA Subframe on all aggregated cells of E-UTRA | Min($T_{no_hopping}$, Physical Channel Length) on all aggregated cells of NR |

For each $T_{REF}$, the $P_{CMAX_H}$ is evaluated per $T_{eval}$ and given by the maximum value over the transmission(s) within the $T_{eval}$ as follows:

$$P_{CMAX_H} = MAX\ \{ P_{CMAX_EN\text{-}DC_H}(p,q), P_{CMAX_EN\text{-}DC_H}(p,q+1), \ldots, P_{CMAX_EN\text{-}DC_H}(p,q+n) \}$$

where $P_{CMAX_EN\text{-}DC_H}$ are the applicable upper limits for each overlapping scheduling unit pairs *(p,q)* , *(p, q+1)* , up to *(p, q+n)* for each applicable $T_{eval}$ duration, where q+*n* is the last NR UL physical-channel overlapping with E-UTRA subframe p.

While $P_{CMAX_L}$ is computed as follows:

$$P_{CMAX_L} = MIN\ \{ P_{CMAX_EN\text{-}DC_L}(p,q), P_{CMAX_EN\text{-}DC_L}(p,q+1), \ldots, P_{CMAX_EN\text{-}DC_L}(p,q+n)\}$$

where $P_{CMAX_EN\text{-}DC_L}$ are the applicable lower limits for each overlapping scheduling unit pairs *(p,q)* , *(p, q+1)* , up to *(p, q+n)* for each applicable $T_{eval}$ duration, where q+*n* is the last NR UL physical-channel overlapping with E-UTRA subframe p,

With

$$P_{CMAX_EN\text{-}DC_H}(p,q) = MIN\ \{10 \log_{10} [p_{CMAX\ H_E\text{-}UTRA,c}(p) + p_{CMAX\ H,f,c,NR}(q)], P_{EMAX,EN\text{-}DC}, P_{PowerClass,EN\text{-}DC}\}$$

And:

$$a = 10 \log_{10} [p_{CMAX_E\text{-}UTRA,c}(p) + p_{CMAX,f,c,NR}(q)] > P_{Total}^{EN-DC}$$

$$b = 10 \log_{10} [p_{CMAX_E\text{-}UTRA,c}(p) + p_{CMAX,f,c,NR}(q) / X_scale] > P_{Total}^{EN-DC}$$

If a= FALSE

$$P_{CMAX_EN\text{-}DC_L}(p,q) = MIN\ \{10 \log_{10} [p_{CMAX\ L_E\text{-}UTRA,c}(p) + p_{CMAX\ L,f,c,NR}(q)], P_{EMAX,EN\text{-}DC}, P_{PowerClass,EN\text{-}DC}\}$$

ELSE If (a=TRUE) AND (b=FALSE)

$$P_{CMAX_EN\text{-}DC_L}(p,q) = MIN\ \{10 \log_{10} [p_{CMAX\ L_E\text{-}UTRA,c}(p) + p_{CMAX\ L,f,c,NR}(q) / X_scale], P_{EMAX,EN\text{-}DC}, P_{PowerClass,EN\text{-}DC}\}$$

ELSE If b= TRUE

$$P_{CMAX_EN\text{-}DC_L}(p,q) = MIN\ \{10 \log_{10} [p_{CMAX\ L_E\text{-}UTRA,c}(p)], P_{EMAX,EN\text{-}DC}, P_{PowerClass,EN\text{-}DC}\}$$

where

- $p_{CMAX\ H_E\text{-}UTRA,c}(p)$ is the E-UTRA higher limit of the maximum configured power expressed in linear scale;
- $p_{CMAX\ L,f,c,NR}(q)$ is the NR higher limit of the maximum configured power expressed in linear scale;

- $p_{CMAX\ L_E\text{-}UTRA,c}(p)$ is the E-UTRA lower limit of the maximum configured power expressed in linear scale;
- $p_{CMAX\ L,f,c,NR}(q)$ is the NR lower limit of the maximum configured power expressed in linear scale;
- $P_{PowerClass,\ EN\text{-}DC}$ is defined in clause 6.2B.1.3-1 for inter-band EN-DC;
- X_scale is the linear value of X dB which is configured by RRC and can only take values [0 , 6]
- $p_{CMAX_E\text{-}UTRA,c}(p)$ is the linear value of $P_{CMAX_E\text{-}UTRA,c}(p)$, the configured max power for E-UTRA. If more than one E-UTRA uplink serving cell is configured as intra-band UL CA in the E-UTRA CG, $P_{CMAX_E\text{-}UTRA,c}(p)$ will be replaced by $P_{CMAX}(p)$ which is the configured maximum power for the entire E-UTRA CG.
- $p_{CMAX,f,c,NR}(q)$ is the linear value of $P_{CMAX,f,c,NR}(q)$, the configured max power of NR, If more than one NR uplink serving cell is configured as intra-band UL CA in the NR CG, $P_{CMAX_NR,c}(q)$ will be replaced by $P_{CMAX}(q)$ which is the configured maximum power for the entire NR CG.

**Table 6.2B.4.1.3-2: $P_{CMAX}$ tolerance for Dual Connectivity E-UTRA-NR**

| $P_{CMAX}$(dBm) | Tolerance $T_{LOW}$ ($P_{CMAX_L}$) (dB) | Tolerance $T_{HIGH}$ ($P_{CMAX_H}$) (dB) |
|---|---|---|
| $23 \le P_{CMAX} \le 33$ | 3.0 | 2.0 |
| $22 \le P_{CMAX} < 23$ | 5.0 | 2.0 |
| $21 \le P_{CMAX} < 22$ | 5.0 | 3.0 |
| $20 \le P_{CMAX} < 21$ | 6.0 | 4.0 |
| $16 \le P_{CMAX} < 20$ | 5.0 | |
| $11 \le P_{CMAX} < 16$ | 6.0 | |
| $-40 \le P_{CMAX} < 11$ | 7.0 | |
| NOTE 1: For UEs not indicating support of dynamic power sharing, the upper tolerance $T_{high}$ shall be reduced by 0.3 dB for P ≥ 20 dBm. | | |

When E-UTRA and NR transmissions overlap and the condition (If (a=TRUE) AND (b=FALSE)) is met, SCG shall be transmitted and the following supplementary minimum requirement apply for the measured SCG power, $P_{UMAX,f,c,NR}(q)$, under nominal conditions.

$10\log(p_{CMAX\ L,f,c,NR}(q)/X_scale) - T_{LOW}(10\log(p_{CMAX\ L,f,c,NR}(q)/X_scale))\} \le P_{UMAX,f,c,NR}(q) \le 10\log(p_{CMAX\ H,\ f,c,NR}(q)) + T_{HIGH}(10\log(p_{CMAX\ H,\ f,c,NR}(q)))$.

with the tolerances $T_{LOW}$ and $T_{HIGH}$ for applicable values of $P_{CMAX}$ specified in Table 6.2B.4.1.3-2.

### 6.2B.4.1.3a Inter-band NE-DC within FR1

For inter-band dual connectivity with one uplink serving cell per CG on E-UTRA and NR respectively, the UE is allowed to set its configured maximum output power $P_{CMAX,c(i),i}$ for serving cell *c(i)* of CG *i*, *i = 1,2*, and its total configured maximum transmission power for NE-DC operation, $P_{Total}^{NE-DC} = 10\log10(\hat{P}_{total}^{NE-DC})$ with $\hat{P}_{total}^{NE-DC}$ as specified in clause 7.6.1A of TS 38.213 [10].

The configured maximum output power $P_{CMAX_E\text{-}UTRA,c}(p)$ in sub-frame *p* for the configured E-UTRA uplink carrier shall be set within the bounds:

$$P_{CMAX_L_E\text{-}UTRA,c}(p) \le P_{CMAX_E\text{-}UTRA,c}(p) \le P_{CMAX\ H_E\text{-}UTRA,c}(p)$$

where $P_{CMAX_L_E\text{-}UTRA,c}$ and $P_{CMAX\ H_E\text{-}UTRA,c}$ are the limits for a serving cell *c* as specified in TS 36.101 [4] clause 6.2.5 modified by $P_{LTE}$ as follows:

$$P_{CMAX_L_E\text{-}UTRA,c} = \text{MIN}\{P_{EMAX,\ NE\text{-}DC}, (P_{PowerClass,\ NE\text{-}DC} - \Delta P_{PowerClass,NE\text{-}DC}), \text{MIN}(P_{EMAX,c}, P_{LTE}) - \Delta t_{C_E\text{-}UTRA,\ c}, (P_{PowerClass,E\text{-}UTRA} - \Delta P_{PowerClass,E\text{-}UTRA}) - \text{MAX}(MPR_c + A\text{-}MPR_c + \Delta T_{IB,c} + \Delta T_{C_E\text{-}UTRA,\ c} + \Delta T_{ProSe}, P\text{-}MPR_c)\}$$

$$P_{CMAX\ H_E\text{-}UTRA,c} = \text{MIN}\{P_{EMAX,c}, P_{EMAX,\ EN\text{-}DC}, (P_{PowerClass,\ NE\text{-}DC} - \Delta P_{PowerClass,NE\text{-}DC}), P_{LTE}, P_{PowerClass,E\text{-}UTRA} - \Delta P_{PowerClass,E\text{-}UTRA}\}$$

with exception that

- if no symbol of slot $i_1$ of the NR that is indicated as uplink or flexible by *TDD-UL-DL-ConfigurationCommon* or *TDD-UL-DL-ConfigDedicated* overlaps with subframe $i_2$ of the E-UTRA; or

- if NR slot(s) that is indicated as downlink by *TDD-UL-DL-ConfigurationCommon* or *TDD-UL-DL-ConfigDedicated* does not overlap with subframe $i_2$ of the E-UTRA; then

$$P_{CMAX_L_E\text{-}UTRA,c} = \text{MIN}\{ P_{EMAX,\,NE\text{-}DC}, (P_{PowerClass,\,NE\text{-}DC} - \Delta P_{PowerClass,NE\text{-}DC}), P_{EMAX,c} - \Delta t_{C_E\text{-}UTRA,\,c}, (P_{PowerClass,E\text{-}UTRA} - \Delta P_{PowerClass,E\text{-}UTRA}) - \text{MAX}(MPR_c + A\text{-}MPR_c + \Delta T_{IB,c} + \Delta T_{C_E\text{-}UTRA,\,c} + \Delta T_{ProSe}, P\text{-}MPR_c)\}$$

$$P_{CMAX_H_E\text{-}UTRA,c} = \text{MIN}\{P_{EMAX,c}, P_{EMAX,\,EN\text{-}DC}, (P_{PowerClass,\,NE\text{-}DC} - \Delta P_{PowerClass,NE\text{-}DC}), P_{PowerClass,E\text{-}UTRA} - \Delta P_{PowerClass,E\text{-}UTRA}\}$$

The configured maximum output power $P_{CMAX,f,c,NR}(q)$ in physical-channel $q$ for the configured NR carrier shall be set within the bounds:

$$P_{CMAX_L,f,c,NR}(q) \leq P_{CMAX,f,c,NR}(q) \leq P_{CMAX_H,f,c,NR}(q)$$

where $P_{CMAX_L,f,c,NR}$ and $P_{CMAX_H,f,c,NR}$ are the limits for a serving cell c as specified in clause 6.2.4 of TS 38.101-1 [2] modified by $P_{NR}$ as follows:

$$P_{CMAX_L,f,c,NR} = \text{MIN}\{ P_{EMAX,\,NE\text{-}DC}, (P_{PowerClass,\,NE\text{-}DC} - \Delta P_{PowerClass,NE\text{-}DC}), \text{MIN}(P_{EMAX,c}, P_{NR}) - \Delta T_{C_NR,\,c}, (P_{PowerClass,NR} - \Delta P_{PowerClass,NR}) - \text{MAX}(MPR_c + A\text{-}MPR_c + \Delta T_{IB,c} + \Delta T_{C_NR,\,c} + \Delta T_{RxSRS}, P\text{-}MPR_c)\}$$

$$P_{CMAX_H,f,c,NR} = \text{MIN}\{P_{EMAX,c}, P_{EMAX,\,NE\text{-}DC}, (P_{PowerClass,\,NE\text{-}DC} - \Delta P_{PowerClass,NE\text{-}DC}), P_{NR}, P_{PowerClass,NR} - \Delta P_{PowerClass,NR}\}$$

- $P_{LTE}$ signalled by RRC as p-MaxEUTRA in TS 36.331 [8]
- $P_{NR}$ signalled by RRC as p-NR-FR1 defined in TS 38.331 [9]
- $\Delta T_{c_E\text{-}UTRA,\,c}$ = 1.5dB when NOTE 2 in Table 6.2.2-1 in TS 36.101 [4] applies for a serving cell *c*, otherwise $\Delta T_{C_E\text{-}UTRA,c}$ = 0dB;
- $\Delta T_{C_NR,c}$ = 1.5dB when NOTE 3 in Table 6.2.1-1 in TS 38.101-1 [2] applies for a serving cell *c*, otherwise $\Delta T_{C_NR,c}$ = 0dB;
- $\Delta T_{IB,c}$ specified in clause 6.2B.4.2.3 for NE-DC, the individual Power Class defined in table 6.2B.1.3a and any other additional power reductions parameters specified in clauses 6.2B.2.3a for NE-DC are applicable to $P_{CMAX_E\text{-}UTRA,c}$ and $P_{CMAX,f,c,NR}$ evaluations.
- $P_{PowerClass,\,NE\text{-}DC}$ is defined in clause 6.2B.1.3a for inter-band NE-DC;
- $P_{PowerClass,NR}$ is the nominal UE power of the power class that the UE supports for the NR band of the EN-DC combination as defined in clause 6.2.1 of 38.101-1 [2]; in case IE [*powerClassNRPart*] as defined in TS 38.331 [9] is indicated, $P_{PowerClass,NR}$ should use that value instead.
- $P_{PowerClass,E\text{-}UTRA}$ is the nominal UE power of the power class that the UE supports for the E-UTRA band of the EN-DC combination as defined in clause 6.2.2 of 36.101 [4];
- $\Delta P_{PowerClass,NE\text{-}DC}$ = 3 dB for a power class 2 capable NE-DC UE when requirements of default power class had been applied as specified in sub-clause 6.2B.1; otherwise $\Delta P_{PowerClass,NE\text{-}DC}$ = 0 dB;

If the transmissions from NR and E-UTRA do not overlap, then the complete clauses for configured transmitted power for E-UTRA and NR respectively from their own specifications apply with the modifications specified above. The lower value between $P_{PowerClass,\,NE\text{-}DC}$ or $P_{EMAX,\,NE\text{-}DC}$ shall not be exceeded at any time by UE.

$P_{Total}^{NE-DC} = 10\log10(\hat{P}_{total}^{NE-DC})$ with $P_{Total}^{NE-DC}$ the configured maximum transmission power for NE-DC operation as specified in clause 7.6 of TS 38.213 [10].

The total configured maximum transmission power for both synchronous and non-synchronous operation is

$$P_{Total}^{NE-DC} = \text{MIN}\{ P_{EMAX,\,NE\text{-}DC}, P_{PowerClass,\,NE\text{-}DC} - \Delta P_{PowerClass,\,NE\text{-}DC} \}$$

If the UE does not support dynamic power sharing,

$$P_{Total}^{NE-DC} = \text{MIN}\{ P_{EMAX,\,NE\text{-}DC}, P_{PowerClass,\,NE\text{-}DC} - \Delta P_{PowerClass,\,NE\text{-}DC} \} + 0.3\text{ dB}$$

If the NE-DC UE does not support dynamic power sharing, then the complete clauses for configured transmitted power for E-UTRA and NR respectively from their own specifications TS 36.101 [4] and TS 38.101-1 [2] respectively apply with the modifications specified above and $P_{Total}^{NE-DC}$ applies.

When a UE supporting dynamic sharing is configured for overlapping E-UTRA uplink and NR uplink transmissions, the UE can set its configured maximum output power $P_{CMAX_E\text{-}UTRA,c}$ and $P_{CMAX,f,c,NR}$ for the configured E-UTRA and NR uplink carriers, respectively, and its configured maximum transmission power for NE-DC operation, $\hat{P}_{Total}^{NE-DC}$, as specified above.

The measured total maximum output power $P_{UMAX}$ over both CGs/RATs, measured over the transmission reference time duration is

$$P_{UMAX} = 10 \log_{10} [p_{UMAX,c,E\text{-}UTRA} + p_{UMAX,c,NR}],$$

where $p_{UMAX,c,E\text{-}UTRA}$ and $p_{UMAX,c,NR}$ denotes the measured output power of serving cell *c for E-UTRA and NR* respectively, expressed in linear scale.

The measured total configured maximum output power $P_{UMAX}$ shall be within the following bounds:

$$P_{CMAX_L} - T_{LOW}(P_{CMAX_L}) \leq P_{UMAX} \leq P_{CMAX_H} + T_{HIGH}(P_{CMAX_H})$$

with the tolerances $T_{LOW}(P_{CMAX_L})$ and $T_{HIGH}(P_{CMAX_H})$ for applicable values of $P_{CMAX}$ specified in Table 6.2B.4.1.3a-2.

When an UL subframe transmission *p* from E-UTRA overlap with a physical-channel *q* from the NR, then for $P_{UMAX}$ evaluation, the E-UTRA subframe *p* is taken as reference period $T_{REF}$ and always considered as the reference measurement duration and the following rules are applicable.

$T_{REF}$ and $T_{eval}$ are specified in Table 6.2B.4.1.3a-1 when same or different subframe and physical-channel durations are used in aggregated carriers. $P_{PowerClass,NE\text{-}DC}$ shall not be exceeded by the UE during any evaluation period of time.

**Table 6.2B.4.1.3a-1: $P_{CMAX}$ evaluation window**

| transmission duration | $T_{REF}$ | $T_{eval}$ |
|---|---|---|
| Different transmission duration in different RAT carriers | LTE Subframe | Min($T_{no_hopping}$, Physical Channel Length) |

For each $T_{REF}$, the $P_{CMAX_H}$ is evaluated per $T_{eval}$ and given by the maximum value over the transmission(s) within the $T_{eval}$ as follows:

$$P_{CMAX_H} = MAX \{ P_{CMAX_NE\text{-}DC_H}(p,q), P_{CMAX_NE\text{-}DC_H}(p,q+1), \ldots, P_{CMAX_NE\text{-}DC_H}(p,q+n) \}$$

where $P_{CMAX_NE\text{-}DC_H}$ are the applicable upper limits for each overlapping scheduling unit pairs *(p,q)* , (*p, q+1*) , up to *(p, q+n*) for each applicable $T_{eval}$ duration, where q+*n* is the last NR UL physical-channel overlapping with LTE subframe p.

While $P_{CMAX_L}$ is computed as follows:

$$P_{CMAX_L} = MIN \{ P_{CMAX_NE\text{-}DC_L}(p,q), P_{CMAX_NE\text{-}DC_L}(p,q+1), \ldots, P_{CMAX_NE\text{-}DC_L}(p,q+n)\}$$

where $P_{CMAX_NE\text{-}DC_L}$ are the applicable lower limits for each overlapping scheduling unit pairs *(p,q)* , (*p, q+1*) , up to *(p, q+n*) for each applicable $T_{eval}$ duration, where q+*n* is the last NR UL physical-channel overlapping with LTE subframe p,

With

$$P_{CMAX_NE\text{-}DC_H}(p,q) = MIN \{10 \log_{10} [p_{CMAX\ H_E\text{-}UTRA,c}(p) + p_{CMAX\ H,f,c,NR}(q)], P_{EMAX,NE\text{-}DC}, P_{PowerClass,NE\text{-}DC}\}$$

And:

$$a = 10 \log_{10} [p_{CMAX_E\text{-}UTRA,c}(p) + p_{CMAX,f,c,NR}(q)] > P_{Total}^{NE-DC}$$

If a = TRUE

$$P_{CMAX_NE\text{-}DC_L}(p,q) = MIN \{10 \log_{10} [p_{CMAX\ L_E\text{-}UTRA,c}(p)], P_{EMAX,NE\text{-}DC}, P_{PowerClass,NE\text{-}DC}\}$$

Else

$$P_{CMAX_NE\text{-}DC_L}(p,q) = MIN \{10 \log_{10} [p_{CMAX\ L_E\text{-}UTRA,c}(p) + p_{CMAX\ L,f,c,NR}(q)], P_{EMAX,NE\text{-}DC}, P_{PowerClass,NE\text{-}DC}\}$$

where

- $p_{CMAX\ H_E\text{-}UTRA,c}(p)$ is the E-UTRA higher limit of the maximum configured power expressed in linear scale;
- $p_{CMAX\ H,f,c,NR}(q)$ is the NR higher limit of the maximum configured power expressed in linear scale;
- $p_{CMAX\ L_E\text{-}UTRA,c}(p)$ is the E-UTRA lower limit of the maximum configured power expressed in linear scale;
- $p_{CMAX\ L,f,c,NR}(q)$ is the NR lower limit of the maximum configured power expressed in linear scale;
- $P_{PowerClass,\ NE\text{-}DC}$ is defined in clause 6.2B.1.3a for inter-band NE-DC;
- $p_{CMAX_E\text{-}UTRA,c}(p)$ is the linear value of $P_{CMAX_E\text{-}UTRA,c}(p)$, the real configured max power for E-UTRA
- $p_{CMAX,f,c,NR}(q)$ is the linear value of $P_{CMAX,f,c,NR}(q)$, the real configured max power of NR

**Table 6.2B.4.1.3a-2: $P_{CMAX}$ tolerance for Dual Connectivity E-UTRA-NR**

| $P_{CMAX}$(dBm) | Tolerance $T_{LOW}$ ($P_{CMAX_L}$) (dB) | Tolerance $T_{HIGH}$ ($P_{CMAX_H}$) (dB) |
|---|---|---|
| $23 \le P_{CMAX} \le 33$ | 3.0 | 2.0 |
| $22 \le P_{CMAX} < 23$ | 5.0 | 2.0 |
| $21 \le P_{CMAX} < 22$ | 5.0 | 3.0 |
| $20 \le P_{CMAX} < 21$ | 6.0 | 4.0 |
| $16 \le P_{CMAX} < 20$ | 5.0 | |
| $11 \le P_{CMAX} < 16$ | 6.0 | |
| $-40 \le P_{CMAX} < 11$ | 7.0 | |
| NOTE 1: For UEs not indicating support of dynamic power sharing, the upper tolerance $T_{high}$ shall be reduced by 0.3 dB for $P \ge 20$ dBm. | | |

When E-UTRA and NR transmissions overlap and the condition a = TRUE, $P_{UMAX,f,c,NR}(q)$ for MCG, under nominal conditions, shall meet

$$P_{UMAX,f,c,NR}(q) \le 10\log(p_{CMAX\ H,\ f,c,,NR\ c}(q)) + T_{HIGH}(10\log(p_{CMAX\ H,\ f,c,,NR\ c}(q))).$$

with the tolerances $T_{LOW}$ and $T_{HIGH}$ for applicable values of $P_{CMAX}$ specified in Table 6.2B.4a.1.3-2.

When LTE and NR transmissions overlap and the condition a = FALSE), then $P_{UMAX}$, under nominal conditions, shall be within the following bounds:

$$P_{CMAX_L} - T_{LOW}(P_{CMAX_L}) \le P_{UMAX} \le P_{CMAX_H} + T_{HIGH}(P_{CMAX_H})$$

where $P_{CMAX_L}$, $P_{CMAX_H}$, and $P_{UMAX}$ are specified above with the tolerances $T_{LOW}$ and $T_{HIGH}$ specified in Table 6.2B.4a.1.3-2 for applicable values of $P_{CMAX_L}$ and $P_{CMAX_H}$.

### 6.2B.4.1.4 Inter-band EN-DC including FR2

For inter-band dual connectivity with one uplink serving cell per CG on E-UTRA and NR respectively, with NR configured in FR2, the UE is allowed to set its configured maximum output power $P_{CMAX,c(i),i}$ for serving cell c(i) of CG i, i = 1,2.

The UE maximum configured power $P_{CMAX,c(i)}$, on E-UTRA for the subframe i shall be set according to clause 6.2.5 from TS 36.101 [4]. Applicable inter-band $\Delta T_{IB,c}$ parameters shall be used according to the clauses 6.2B.4.2.4 or 6.2B.4.2.5.

The UE maximum configured power $P_{CMAX,c(j)}$, on NR for the slot j shall be set according to subclase 6.2.4 from TS 38.101-2 [3].

For the configured power measurements TS 36.101 [4] clause 6.2.5 and TS 38.101-2 [3] clause 6.2.4 are applicable.

### 6.2B.4.1.4a Inter-band NE-DC including FR2

For inter-band dual connectivity with one uplink serving cell per CG on E-UTRA and NR respectively, with NR configured in FR2, the UE is allowed to set its configured maximum output power $P_{CMAX,c(i),i}$ for serving cell c(i) of CG i, i = 1,2.

The UE maximum configured power $P_{CMAX,c(i)}$, on E-UTRA for the subframe i shall be set according to clause 6.2.5 from TS 36.101 [4]. Applicable inter-band $\Delta T_{IB,c}$ parameters shall be used according to the clauses 6.2B.4.2.4 or 6.2B.4.2.5.

The UE maximum configured power $P_{CMAX,c(j)}$, on NR for the slot j shall be set according to subclase 6.2.4 from TS 38.101-2 [3].

For the configured power measurements TS 36.101 [4] clause 6.2.5 and TS 38.101-2 [3] clause 6.2.4 are applicable.

#### 6.2B.4.1.5 Inter-band EN-DC including both FR1 and FR2

For inter-band dual connectivity with one uplink serving cell per CG on E-UTRA and NR respectively, with both CGs configured in FR1, the requirements specified in clause 6.2B.4.1.3 apply.

For inter-band dual connectivity with one uplink serving cell per CG on E-UTRA and NR respectively, with NR configured in FR2, the requirements specified in clause 6.2B.4.1.4 apply.

For inter-band dual connectivity with one uplink serving cell in first CG on E-UTRA and two uplink serving cells in second CG on NR FR1 and NR FR2 respectively, the UE is allowed to set its configured maximum output power $P_{CMAX,c(i),i}$ for serving cell c(i) , i = 1,2,3 with i=1 for E-UTRA, i=2 for NR FR1 and i=3 for NR FR2.

- For serving cell on FR2, the requirements specified in clause 6.2.4 in TS 38.101-2 [3] apply to the UE maximum configured power $P_{CMAX,c(3),3}$ and the measured maximum configured power.
- For remaining inter-band dual connectivity involving CG1 and CG2, the requirements specified in clause 6.2B.4.1.3 apply.

### 6.2B.4.2 $\Delta T_{IB,c}$ for DC

#### 6.2B.4.2.0 General

For the UE which supports inter-band EN-DC or NE-DC configuration, $\Delta T_{IB,c}$ in Tables below applies where unless otherwise stated, the same $\Delta T_{IB,c}$ is applicable to NR band(s) part for DC configurations which have the same NR operating band combination. Unless otherwise stated, $\Delta T_{IB,c}$ is set to zero.

Unless $\Delta T_{IB,c}$ is specified for the NE-DC configuration, the specified $\Delta T_{IB,c}$ for the EN-DC configuration including same bands as the corresponding NE-DC configuration is applicable for the NE-DC configuration.

#### 6.2B.4.2.1 Intra-band contiguous EN-DC

$\Delta T_{IB,c}$ is not applicable for intra-band contiguous EN-DC.

#### 6.2B.4.2.2 Intra-band non-contiguous EN-DC

$\Delta T_{IB,c}$ is not applicable for intra-band non-contiguous EN-DC.

### 6.2B.4.2.3 Inter-band EN-DC within FR1

#### 6.2B.4.2.3.1 $\Delta T_{IB,c}$ for EN-DC two bands

**Table 6.2B.4.2.3.1-1: $\Delta T_{IB,c}$ due to EN-DC(two bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1_n3 | 1 | 0.3 |
| | n3 | 0.3 |
| DC_1_n5 | 1 | 0.3 |
| | n5 | 0.3 |
| DC_1_n7 | 1 | 0.5 |
| | n7 | 0.6 |
| DC_1_n8 | 1 | 0.3 |
| | n8 | 0.3 |
| DC_1_n20 | 1 | 0.3 |
| | n20 | 0.3 |
| DC_1_n28 | 1 | 0.3 |
| | n28 | 0.6 |
| DC_1_n38 | 1 | 0.5 |
| | n38 | 0.5 |
| DC_1_n40 | 1 | 0.5 |
| | n40 | 0.5 |
| DC_1_n50 | 1 | 0.5 |
| | n50 | 0.5 |
| DC_1_n41 | 1 | 0.5 |
| | n41 | 0.5 |
| DC_1_n51 | 1 | 0.6 |
| | n51 | 0.6 |
| DC_1_n71 | 1 | 0.3 |
| | n71 | 0.3 |
| DC_1_n77 | 1 | 0.6 |
| | n77 | 0.8 |
| DC_1_n78 | 1 | 0.3 |
| | n78 | 0.8 |
| DC_2_n5 | 2 | 0.3 |
| | n5 | 0.3 |
| DC_2_n7 | 2 | 0.5 |
| | n7 | 0.5 |
| DC_2_n12 | 2 | 0.3 |
| | n12 | 0.3 |
| DC_2_n28 | 2 | 0.3 |
| | n28 | 0.3 |
| DC_2_n38 | 2 | 0.5 |
| | n38 | 0.9 |
| DC_2_n41 | 2 | 0.5 |
| | n41 | 0.4[1] |
| | | 0.9[2] |
| DC_2_n48 | 2 | 0.6 |
| | n48 | 0.8 |
| DC_2_n66 | 2 | 0.5 |
| | n66 | 0.5 |
| DC_2_n71 | 2 | 0.3 |
| | n71 | 0.3 |
| DC_2_n77<br>DC_2-2_n77 | 2 | 0.6 |
| | n77 | 0.8 |
| DC_2_n78 | 2 | 0.6 |
| | n78 | 0.8 |
| DC_3_n1 | 3 | 0.3 |
| | n1 | 0.3 |
| DC_3_n5 | 3 | 0.3 |
| | n5 | 0.3 |
| DC_3_n8 | 3 | 0.3 |
| | n8 | 0.3 |
| DC_3_n7 | 3 | 0.5 |
| | n7 | 0.5 |
| DC_3_n20 | 3 | 0.3 |
| | n20 | 0.3 |
| DC_3_n28 | 3 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n28 | 0.3 |
| DC_3_n34 | 3 | 0.5 |
| | n34 | 0.5 |
| DC_3_n38 | 3 | 0.5 |
| | n38 | 0.5 |
| DC_3_n40 | 3 | 0.5 |
| | n40 | 0.5 |
| DC_3-n41 | 3 | 0.5 |
| | n41 | 0.3[3] |
| | | 0.8[4] |
| DC_3_n50 | 3 | 0.5 |
| | n50 | 0.5 |
| DC_3_n51 | 3 | 0.3 |
| | n51 | 0.3 |
| DC_3_n71 | 3 | 0.3 |
| | n71 | 0.3 |
| DC_7_n66, DC_7-7_n66 | 7 | 0.5 |
| | n66 | 0.5 |
| DC_3_n77, DC_3-3_n77 | 3 | 0.6 |
| | n77 | 0.8 |
| DC_3_n78, DC_3-3_n78 | 3 | 0.6 |
| | n78 | 0.8 |
| DC_4_n2 | 4 | 0.5 |
| | n2 | 0.5 |
| DC_4_n5 | 4 | 0.3 |
| | n5 | 0.3 |
| DC_4_n7 | 4 | 0.5 |
| | n7 | 0.5 |
| DC_4_n28 | 4 | 0.3 |
| | n28 | 0.6 |
| DC_4_n38 | 4 | 0.5 |
| | n38 | 0.8 |
| DC_4_n41 | 4 | 0.5 |
| | n41 | 0.8[1] |
| | | 1.3[2] |
| DC_4_n78 | 4 | 0.6 |
| | n78 | 0.8 |
| DC_5_n2, DC_5-5_n2 | 5 | 0.3 |
| | n2 | 0.3 |
| DC_5_n7 | 5 | 0.3 |
| | n7 | 0.3 |
| DC_5_n12 | 5 | 0.8 |
| | n12 | 0.4 |
| DC_5_n38 | 5 | 0.3 |
| | n38 | 0.3 |
| DC_5_n40 | 5 | 0.3 |
| | n40 | 0.3 |
| DC_5_n48 | 5 | 0.3 |
| | n48 | 0.3 |
| DC_5_n66, DC_5-5_n66 | 5 | 0.3 |
| | n66 | 0.3 |
| DC_5_n71 | 5 | 0.5 |
| | n71 | 0.5 |
| DC_5_n77 | 5 | 0.6 |
| | n77 | 0.8 |
| DC_5_n78 | 5 | 0.6 |
| | n78 | 0.8 |
| DC_7_n1, DC_7-7_n1 | 7 | 0.6 |
| | n1 | 0.5 |
| DC_7_n2 | 7 | 0.5 |
| | n2 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_7_n3 | 7 | 0.5 |
| | n3 | 0.5 |
| DC_7_n5 | 7 | 0.3 |
| | n5 | 0.3 |
| DC_7_n8 | 7 | 0.3 |
| | n8 | 0.6 |
| DC_7_n20 | 7 | 0.3 |
| | n20 | 0.3 |
| DC_7_n28 | 7 | 0.3 |
| | n28 | 0.3 |
| DC_7_n40 | 7 | 0.5 |
| | n40 | 0.6 |
| DC_7_n51 | 7 | 0.3 |
| | n51 | 0.3 |
| DC_7_n71 | 7 | 0.3 |
| | n71 | 0.6 |
| DC_7_n77, DC_7-7_n77 | 7 | 0.5 |
| | n77 | 0.8 |
| DC_7_n78, DC_7-7_n78 | 7 | 0.5 |
| | n78 | 0.8 |
| DC_8_n1 | 8 | 0.3 |
| | n1 | 0.3 |
| DC_8_n2 | 8 | 0.3 |
| | n2 | 0.3 |
| DC_8_n3 | 8 | 0.3 |
| | n3 | 0.3 |
| DC_8_n7 | 8 | 0.6 |
| | n7 | 0.3 |
| DC_8_n20 | 8 | 0.4 |
| | n20 | 0.4 |
| DC_8_n28 | 8 | 0.6 |
| | n28 | 0.5 |
| DC_8_n34 | 8 | 0.3 |
| | n34 | 0.3 |
| DC_8_n39 | 8 | 0.3 |
| | n39 | 0.3 |
| DC_8_n40 | 8 | 0.3 |
| | n40 | 0.3 |
| DC_8_n41 | 8 | 0.3 |
| | n41 | 0.3 |
| DC_8_n77 | 8 | 0.6 |
| | n77 | 0.8 |
| DC_8_n78 | 8 | 0.6 |
| | n78 | 0.8 |
| DC_11_n3 | 11 | 0.8 |
| | n3 | 0.9 |
| DC_11_n28 | 11 | 0.4 |
| | n28 | 0.6 |
| DC_11_n77 | 11 | 0.4 |
| | n77 | 0.8 |
| DC_11_n78 | 11 | 0.4 |
| | n78 | 0.8 |
| DC_12_n2 | 12 | 0.3 |
| | n2 | 0.3 |
| DC_12_n5 | 12 | 0.4 |
| | n5 | 0.8 |
| DC_12_n7 | 12 | 0.3 |
| | n7 | 0.3 |
| DC_12_n25 | 12 | 0.3 |
| | n25 | 0.3 |
| DC_12_n38 | 12 | 0.3 |
| | n38 | 0.3 |
| DC_12_n41 | 12 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n41 | 0.3 |
| DC_12_n66 | 12 | 0.8 |
| | n66 | 0.3 |
| DC_12_n78 | 12 | 0.5 |
| | n78 | 0.8 |
| DC_13_n2 | 13 | 0.3 |
| | n2 | 0.3 |
| DC_13_n5 | 13 | 0.5 |
| | n5 | 0.5 |
| DC_13_n7 | 13 | 0.5 |
| | n7 | 0.5 |
| DC_13_n48 | 13 | 0.3 |
| | n48 | 0.3 |
| DC_13_n66 | 13 | 0.3 |
| | n66 | 0.3 |
| DC_13_n71 | 13 | 0.5 |
| | n71 | 0.5 |
| DC_13_n77 | 13 | 0.5 |
| | n77 | 0.8 |
| DC_13_n78 | 13 | 0.5 |
| | n78 | 0.8 |
| DC_14_n2 | 14 | 0.3 |
| | n2 | 0.3 |
| DC_14_n66 | 14 | 0.3 |
| | n66 | 0.3 |
| DC_18_n3 | 18 | 0.3 |
| | n3 | 0.3 |
| DC_18_n28 | 18 | 0.5 |
| | n28 | 0.5 |
| DC_18_n41 | 18 | 0.3 |
| | n41 | 0.3[3] |
| DC_18_n77 | 18 | 0.3 |
| | n77 | 0.8 |
| DC_18_n78 | 18 | 0.3 |
| | n78 | 0.8 |
| DC_19_n1 | 19 | 0.3 |
| | n1 | 0.3 |
| DC_19_n77 | 19 | 0.3 |
| | n77 | 0.8 |
| DC_19_n78 | 19 | 0.3 |
| | n78 | 0.8 |
| DC_20_n1 | 20 | 0.3 |
| | n1 | 0.3 |
| DC_20_n3 | 20 | 0.3 |
| | n3 | 0.3 |
| DC_20_n7 | 20 | 0.3 |
| | n7 | 0.3 |
| DC_20_n8 | 20 | 0.4 |
| | n8 | 0.4 |
| DC_20_n28 | 20 | 0.5 |
| | n28 | 0.5 |
| DC_20_n38 | 20 | 0.5 |
| | n38 | 0.3 |
| DC_20_n41 | 20 | 0.3 |
| | n41 | 0.3 |
| DC_20_n50 | 20 | 0.3 |
| | n50 | 0.4 |
| DC_20_n51 | 20 | 0.5 |
| | n51 | 0.5 |
| DC_20_n77 | 20 | 0.6 |
| | n77 | 0.8 |
| DC_20_n78 | 20 | 0.6 |
| | n78 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_21_n1 | 21 | 0.3 |
| | n1 | 0.3 |
| DC_21_n77 | 21 | 0.4 |
| | n77 | 0.8 |
| DC_21_n78 | 21 | 0.4 |
| | n78 | 0.8 |
| DC_25_n41, DC_25-25_n41 | 25 | 0.5 |
| | n41 | 0.4[1] |
| | | 0.9[2] |
| DC_26_n25 | 26 | 0.3 |
| | n25 | 0.3 |
| DC_26_n41 | 26 | 0.3 |
| | n41 | 0.3 |
| DC_26_n77 | 26 | 0.3 |
| | n77 | 0.8 |
| DC_26_n78 | 26 | 0.3 |
| | n78 | 0.8 |
| DC_28_n1 | n1 | 0.3 |
| | 28 | 0.6 |
| DC_28_n2 | 28 | 0.3 |
| | n2 | 0.3 |
| DC_28_n3 | 28 | 0.3 |
| | n3 | 0.3 |
| DC_28_n5 | 28 | 0.5 |
| | n5 | 0.5 |
| DC_28_n7 | 28 | 0.3 |
| | n7 | 0.3 |
| DC_28_n8 | 28 | 0.5 |
| | n8 | 0.6 |
| DC_28_n40 | 28 | 0.3 |
| | n40 | 0.3 |
| DC_28_n41 | 28 | 0.3 |
| | n41 | 0.3 |
| DC_28_n50 | 28 | 0.3 |
| | n50 | 0.4 |
| DC_28_n51 | 28 | 0.5 |
| | n51 | 0.5 |
| DC_28_n66 | 28 | 0.6 |
| | n66 | 0.3 |
| DC_28_n77 | 28 | 0.5 |
| | n77 | 0.8 |
| DC_28_n78 | 28 | 0.5 |
| | n78 | 0.8 |
| DC_30_n2 | 30 | 0.3 |
| | n2 | 0.5 |
| DC_30_n5 | 30 | 0.3 |
| | n5 | 0.3 |
| DC_30_n66 | 30 | 0.5 |
| | n66 | 0.8 |
| DC_38_n78 | n78 | 0.5 |
| DC_39-n41 | 39 | 0.5 |
| | n41 | 0.5 |
| DC_39_n78 | 39 | 0.3 |
| | n78 | 0.8 |
| DC_39_n79 | 39 | 0.3 |
| | n79 | 0.8 |
| DC_40_n1 | n1 | 0.5 |
| | 40 | 0.5 |
| DC_40_n41[5] | 40 | 0.5 |
| | n41 | 0.5 |
| DC_40_n77 | n77 | 0.5 |
| DC_40_n78 | n78 | 0.5[6] |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_40_n79 | 40 | 0.3 |
| | n79 | 0.8 |
| DC_41_n3 | 41 | 0.3[3] |
| | | 0.8[4] |
| | n3 | 0.5 |
| DC_41_n28 | 41 | 0.3 |
| | n28 | 0.3 |
| DC_41_n77 | 41 | 0.3 |
| | n77 | 0.8 |
| DC_41_n78 | 41 | 0.3 |
| | n78 | 0.8 |
| DC_41_n79 | 41 | 0.3 |
| | n79 | 0.8 |
| DC_42_n1 | 42 | 0.8 |
| | n1 | 0.3 |
| DC_42_n3 | 42 | 0.8 |
| | n3 | 0.6 |
| DC_42_n28 | 42 | 0.5 |
| | n28 | 0.8 |
| DC_42_n51 | 42 | 0.6 |
| | n51 | 0.8 |
| DC_48_n5 | 48 | 0.3 |
| | n5 | 0.3 |
| DC_48_n12 | 48 | 0.3 |
| | n12 | 0.3 |
| DC_48_n25 | 48 | 0.8 |
| | n25 | 0.6 |
| DC_48_n46 | 48 | 0.8 |
| DC_48_n66 | 48 | 0.8 |
| | n66 | 0.6 |
| DC_48_n71<br>DC_48-48_n71<br>DC_48-48-48_n71 | 48 | 0.3 |
| | n71 | 0.3 |
| DC_66_n2 | 66 | 0.5 |
| | n2 | 0.5 |
| DC_66_n5,<br>DC_66-66_n5,<br>DC_66-66-66_n5 | 66 | 0.3 |
| | n5 | 0.3 |
| DC_66_n7 | 66 | 0.5 |
| | n7 | 0.5 |
| DC_66_n12 | 66 | 0.8 |
| | n12 | 0.3 |
| DC_66_n25 | 66 | 0.5 |
| | n25 | 0.5 |
| DC_66_n28 | n28 | 0.6 |
| | 66 | 0.3 |
| DC_66_n38 | 66 | 0.5 |
| | n38 | 0.5 |
| DC_66_n41 | 66 | 0.5 |
| | n41 | 0.8[1] |
| | | 1.3[2] |
| DC_66_n48,<br>DC_66-66_n48 | 66 | 0.6 |
| | n48 | 0.8 |
| DC_66_n71 | 66 | 0.3 |
| | n71 | 0.3 |
| DC_66_n77<br>DC_66-66_n77<br>DC_66-66-66_n77 | 66 | 0.6 |
| | n77 | 0.8 |
| DC_66_n78 | 66 | 0.6 |
| | n78 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_71_n5 | 71 | 0.5 |
| | n5 | 0.5 |
| DC_71_n38 | 71 | 0.6 |
| | n38 | 0.3 |
| DC_71_n48 | 71 | 0.3 |
| | n48 | 0.3 |
| DC_71_n66 | 71 | 0.3 |
| | n66 | 0.3 |
| DC_71_n78 | 71 | 0.5 |
| | n78 | 0.8 |

NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545-2690 MHz.
NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496-2545 MHz.
NOTE 3: Applicable for the frequency range of 2515 – 2690 MHz.
NOTE 4: Applicable for the frequency range of 2496 - 2515 MHz.
NOTE 5: Applicable for UE supporting inter-band EN-DC without simultaneous Rx/Tx.
NOTE 6: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx.

6.2B.4.2.3.2 $\Delta T_{IB,c}$ for EN-DC three bands

**Table 6.2B.4.2.3.2-1: $\Delta T_{IB,c}$ due to EN-DC (three bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3_n3 | 1 | 0.3 |
| | 3 | 0.3 |
| | n3 | 0.3 |
| DC_1-3_n5 | 1 | 0.3 |
| | 3 | 0.3 |
| | n5 | 0.3 |
| DC_1-3_n7<br>DC_3-7_n1 | 1 or n1 | 0.6 |
| | 3 | 0.6 |
| | 7 or n7 | 0.6 |
| DC_1-3_n8 | 1 | 0.3 |
| | 3 | 0.3 |
| | n8 | 0.3 |
| DC_1-3_n28 | 1 | 0.3 |
| | 3 | 0.3 |
| | n28 | 0.6 |
| DC_1_n3-n28 | 1 | 0.3 |
| | n3 | 0.3 |
| | n28 | 0.6 |
| DC_1-3_n38 | 1 | 0.5 |
| | 3 | 0.5 |
| | n38 | 0.5 |
| DC_1-3_n40 | 1 | 0.5 |
| | 3 | 0.5 |
| | n40 | 0.5 |
| DC_1-3_n41<br>DC_1-41_n3<br>DC_1_n3-n41 | 1 | 0.5 |
| | 3 or n3 | 0.5 |
| | n41 or 41 | 0.3[3]/0.8[4] |
| DC_1-3_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | n77 | 0.8 |
| DC_1-3_n71 | 1 | 0.3 |
| | 3 | 0.3 |
| | n71 | 0.3 |
| DC_1-3_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | n78 | 0.8 |
| DC_1-3_n79 | 1 | 0.3 |
| | 3 | 0.3 |
| DC_1_n3-n78 | 1 | 0.6 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-5_n78 | 1 | 0.3 |
| | 5 | 0.6 |
| | n78 | 0.8 |
| DC_1-5_n79 | 1 | 0.3 |
| | 5 | 0.3 |
| DC_1-7_n3 | 1 | 0.6 |
| | 7 | 0.6 |
| | n3 | 0.6 |
| DC_1-7_n5 | 1 | 0.5 |
| | 7 | 0.6 |
| | n5 | 0.3 |
| DC_1-7_n7 | 1 | 0.5 |
| | 7 | 0.6 |
| | n7 | 0.6 |
| DC_1-7_n8 | 1 | 0.5 |
| | 7 | 0.6 |
| | n8 | 0.6 |
| DC_1-7_n28 | 1 | 0.5 |
| | 7 | 0.6 |
| | n28 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-7_n40 | 1 | 0.6 |
| | 7 | 0.8 |
| | n40 | 0.9 |
| DC_1-7_n78<br>DC_1-7-7_n78 | 1 | 0.6 |
| | 7 | 0.6 |
| | n78 | 0.8 |
| DC_1_n7-n78 | 1 | 0.6 |
| | n7 | 0.6 |
| | n78 | 0.8 |
| DC_1-8_n3 | 1 | 0.3 |
| | 8 | 0.3 |
| | n3 | 0.3 |
| DC_1-8_n28 | 1 | 0.3 |
| | 8 | 0.6 |
| | n28 | 0.6 |
| DC_1_n8-n40 | 1 | 0.3 |
| | n8 | 0.3 |
| | n40 | 0.5 |
| DC_1-8_n77 | 1 | 0.3 |
| | 8 | 0.6 |
| | n77 | 0.8 |
| DC_1-8_n78<br>DC_1_n8-n78 | 1 | 0.3 |
| | 8 | 0.6 |
| | n78 | 0.8 |
| DC_1-8_n79 | 1 | 0.3 |
| | 8 | 0.3 |
| DC_1-11_n3 | 1 | 0.3 |
| | 11 | 0.8 |
| | n3 | 0.9 |
| DC_1-11_n77 | 1 | 0.6 |
| | 11 | 0.4 |
| | n77 | 0.8 |
| DC_1-11_n78 | 1 | 0.3 |
| | 11 | 0.4 |
| | n78 | 0.8 |
| DC_1-18-n3 | 1 | 0.3 |
| | 18 | 0.3 |
| | n3 | 0.3 |
| DC_1-18_n28 | 1 | 0.3 |
| | 18 | 0.5 |
| | n28 | 0.5 |
| DC_1-18_n41 | 1 | 0.5 |
| | 18 | 0.3 |
| | n41 | 0.5 |
| DC_1-18_n77 | 1 | 0.3 |
| | 18 | 0.3 |
| | n77 | 0.8 |
| DC_1-18_n78 | 1 | 0.3 |
| | 18 | 0.3 |
| | n78 | 0.8 |
| DC_1-19_n77 | 1 | 0.3 |
| | 19 | 0.3 |
| | n77 | 0.8 |
| DC_1-19_n78 | 1 | 0.3 |
| | 19 | 0.3 |
| | n78 | 0.8 |
| DC_1-19_n79 | 1 | 0.3 |
| | 19 | 0.3 |
| DC_1-18-41_n3 | 1 | 0.5 |
| | 18 | 0.3 |
| | 41 | 0.3[7]/0.8[8] |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n3 | 0.5 |
| DC_1-18-41_n77 | 1 | 0.6 |
| | 18 | 0.3 |
| | 41 | 0.5 |
| | n77 | 0.8 |
| DC_1-18-41_n78 | 1 | 0.5 |
| | 18 | 0.3 |
| | 41 | 0.5 |
| | n78 | 0.8 |
| DC_1-20_n3 | 1 | 0.3 |
| | 20 | 0.3 |
| | n3 | 0.3 |
| DC_1-20_n8 | 1 | 0.3 |
| | 20 | 0.4 |
| | n8 | 0.4 |
| DC_1-20_n28 | 1 | 0.5 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| DC_1-20_n38 | 1 | 0.5 |
| | 20 | 0.3 |
| | n38 | 0.5 |
| DC_1-20_n41 | 1 | 0.5 |
| | 20 | 0.3 |
| | n41 | 0.5[1] |
| | | 1.2[2] |
| DC_1-20_n78 | 1 | 0.3 |
| | 20 | 0.3 |
| | n78 | 0.8 |
| DC_1-21_n77 | 1 | 0.3 |
| | 21 | 0.3 |
| | n77 | 0.8 |
| DC_1-21_n78 | 1 | 0.6 |
| | 21 | 0.4 |
| | n78 | 0.8 |
| DC_1-21_n79 | 1 | 0.3 |
| | 21 | 0.3 |
| DC_1-28-n3 | 1 | 0.3 |
| | 28 | 0.6 |
| | n3 | 0.3 |
| DC_1-28_n5 | 1 | 0.3 |
| | 28 | 0.5 |
| | n5 | 0.5 |
| DC_1-28_n7 | 1 | 0.5 |
| | 28 | 0.6 |
| | n7 | 0.6 |
| DC_1-28_n77 | 1 | 0.3 |
| | 28 | 0.6 |
| | n77 | 0.8 |
| DC_1-28_n78<br>DC_1_n28-n78 | 1 | 0.3 |
| | 28 or n28 | 0.6 |
| | n78 | 0.8 |
| DC_1_n28-n79 | 1 | 0.3 |
| | n28 | 0.3 |
| DC_1_n28-n40 | 1 | 0.6 |
| | n28 | 0.3 |
| | n40 | 0.5 |
| DC_1_n28-n77 | 1 | 0.6 |
| | n28 | 0.6 |
| | n77 | 0.8 |
| DC_1-28_n40 | 1 | 0.6 |
| | 28 | 0.3 |
| | n40 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-32_n3 | 1 | 0.5 |
| | n3 | 0.5 |
| DC_1-32_n28 | 1 | 0.3 |
| | n28 | 0.7 |
| DC_1-32_n78 | 1 | 0.5 |
| | n78 | 0.8 |
| DC_1-(n)38 | 1 | 0.5 |
| | 38 | 0.5 |
| | n38 | 0.5 |
| DC_1-40-n78 | 1 | 0.6 |
| | 40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_1_n40-n78 | 1 | 0.3 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_1-41_n3 | 1 | 0.5 |
| | 41 | 0.3[1]/0.8[2] |
| | n3 | 0.5 |
| DC_1-41_n28 | 1 | 0.5 |
| | 41 | 0.5 |
| | n28 | 0.5 |
| DC_1-(n)41 | 1 | 0.5 |
| | 41 | 0.5 |
| | n41 | 0.5 |
| DC_1-41_n41 | 1 | 0.5 |
| | 41 | 0.5 |
| | n41 | 0.5 |
| DC_1-41_n77<br>DC_1_n41-n77 | 1 | 0.5 |
| | 41 | 0.5 |
| | n77 | 0.8 |
| DC_1-41_n78<br>DC_1_n41-n78 | 1 | 0.5 |
| | 41 or n41 | 0.5 |
| | n78 | 0.8 |
| DC_1-41_n79 | 1 | 0.5 |
| | 41 | 0.5 |
| DC_1-42_n3 | 1 | 0.3 |
| | 42 | 0.8 |
| | n3 | 0.6 |
| DC_1-42_n28 | 1 | 0.3 |
| | 42 | 0.8 |
| | n28 | 0.8 |
| DC_1-42_n77 | 1 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-42_n78 | 1 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-42_n79 | 1 | 0.3 |
| | 42 | 0.8 |
| DC_1_n77-n79 | 1 | 0.6 |
| | n77 | 0.8 |
| DC_1_SUL_n77-n80 | 1 | 0.6 |
| | n77 | 0.8 |
| | n80 | 0.6 |
| DC_1_SUL_n77-n84 | 1 | 0.6 |
| | n77 | 0.8 |
| | n84 | 0.6 |
| DC_1_SUL_n78-n84 | 1 | 0.3 |
| | n78 | 0.8 |
| | n84 | 0.3 |
| DC_1_n78-n79 | 1 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.8 |
| | n79 | 0.5 |
| DC_1_n75-n78 | 1 | 0.5 |
| | n78 | 0.8 |
| DC_1_SUL_n78-n80 | 1 | 0.6 |
| | n80 | 0.6 |
| | n78 | 0.8 |
| DC_2-4-n28 | 2 | 0.5 |
| | 4 | 0.5 |
| | n28 | 0.8 |
| DC_2-4_n38 | 2 | 0.5 |
| | 4 | 0.5 |
| | n38 | 0.5 |
| DC_2-4_n41 | 2 | 0.5 |
| | 4 | 0.5 |
| | n41 | 0.5 |
| DC_2-5_n2<br>DC_2-5-5_n2 | 2 | 0.3 |
| | 5 | 0.3 |
| | n2 | 0.3 |
| DC_2-5_n5<br>DC_2-2-5_n5 | 2 | 0.3 |
| | 5 | 0.3 |
| | n5 | 0.3 |
| DC_2-5-n7 | 2 | 0.5 |
| | 5 | 0.3 |
| | n7 | 0.5 |
| DC_2-5_n12 | 2 | 0.3 |
| | 5 | 0.8 |
| | n12 | 0.4 |
| DC_2-5_n48 | 2 | 0.6 |
| | 5 | 0.3 |
| | n48 | 0.8 |
| DC_2-5_n66<br>DC_2-5-5_n66 | 2 | 0.5 |
| | 5 | 0.3 |
| | n66 | 0.5 |
| DC_2-5_n71 | 2 | 0.3 |
| | 5 | 0.5 |
| | n71 | 0.5 |
| DC_2-5_n77 | 2 | 0.6 |
| | 5 | 0.6 |
| | n77 | 0.8 |
| DC_2-7_n5<br>DC_2-7-7_n5 | 2 | 0.3 |
| | 7 | 0.3 |
| | n5 | 0.3 |
| DC_2-7_n7 | 2 | 0.5 |
| | 7 | 0.5 |
| | n7 | 0.5 |
| DC_2-7-n28 | 2 | 0.5 |
| | 7 | 0.5 |
| | n28 | 0.3 |
| DC_2_n5-n77 | 2 | 0.6 |
| | n5 | 0.3 |
| | n77 | 0.8 |
| DC_2-7_n38<br>DC_2-2-7_n38 | 2 | 0.5 |
| DC_2-7_n71 | 2 | 0.5 |
| | 7 | 0.5 |
| | n71 | 0.6 |
| DC_2-7_n66<br>DC_2-7-7_n66<br>DC_2_n7-n66 | 2 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 7 | 0.5 |
| | n66 | 0.5 |
| DC_2-7_n77<br>DC_2-7-7_n77 | 2 | 0.6 |
| | 7 | 0.5 |
| | n77 | 0.8 |
| DC_2-7_n78 | 2 | 0.5 |
| | 7 | 0.5 |
| DC_2_n7-n78 | 2 | 0.6 |
| | n7 | 0.5 |
| | n78 | 0.8 |
| DC_2-8-n2 | 2 | 0.3 |
| | 8 | 0.3 |
| | n2 | 0.3 |
| DC_2-12_n2 | 2 | 0.3 |
| | 12 | 0.3 |
| DC_2-12_n5 | 2 | 0.3 |
| | 12 | 0.4 |
| | n5 | 0.8 |
| DC_2_(n)12 | 2 | 0.3 |
| | 12 | 0.3 |
| | n12 | 0.3 |
| DC_2-12_n66, DC_2-2-12_n66 | 2 | 0.5 |
| | 12 | 0.8 |
| | n66 | 0.5 |
| DC_2_n38-n66 | 2 | 0.5 |
| | n38 | 0.9 |
| | n66 | 0.5 |
| DC_2-13_n2 | 2 | 0.3 |
| | 13 | 0.3 |
| | n2 | 0.3 |
| DC_2-13_n5<br>DC_2-2-13_n5 | 2 | 0.3 |
| | 13 | 0.5 |
| | n5 | 0.5 |
| DC_2-13_n48 | 2 | 0.6 |
| | 13 | 0.3 |
| | n48 | 0.8 |
| DC_2-13_n66<br>DC_2-2-13_n66 | 2 | 0.5 |
| | 13 | 0.3 |
| | n66 | 0.5 |
| DC_2-13_n77 | 2 | 0.6 |
| | 13 | 0.5 |
| | n77 | 0.8 |
| DC_2-14_n2 | 2 | 0.3 |
| | 14 | 0.3 |
| | n2 | 0.3 |
| DC_2-14_n66<br>DC_2-2-14_n66 | 2 | 0.5 |
| | 14 | 0.3 |
| | n66 | 0.5 |
| DC_2-28_n7 | 2 | 0.5 |
| | 28 | 0.3 |
| | n7 | 0.5 |
| DC_2-28_n66 | 2 | 0.5 |
| | 28 | 0.6 |
| | n66 | 0.5 |
| DC_2-29_n66<br>DC_2-2-29_n66 | 2 | 0.5 |
| | n66 | 0.5 |
| DC_2-30_n5, DC_2-2-30_n5 | 2 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 30 | 0.3 |
| | n5 | 0.3 |
| DC_2-30_n66, DC_2-2-30_n66 | 2 | 0.5 |
| | 30 | 0.3 |
| | n66 | 0.5 |
| DC_2_n38-n78 | 2 | 0.6 |
| | n38 | 0.9 |
| | n78 | 0.8 |
| DC_2_n41-n66 | 2 | 0.5 |
| | n41 | 0.5 |
| | n66 | 0.5 |
| DC_2_n41-n71 | 2 | 0.5 |
| | n41 | 0.5 |
| | n71 | 0.3 |
| DC_2_n41-n66 | 2 | 0.5 |
| | n41 | 0.5 |
| | n66 | 0.5 |
| DC_2_n41-n71 | 2 | 0.5 |
| | n41 | 0.5 |
| | n71 | 0.3 |
| DC_2-46_n41 | 2 | 0.5 |
| | n41 | 0.4[1] |
| | | 0.9[2] |
| DC_2-46_n66 | 2 | 0.5 |
| | n66 | 0.5 |
| DC_2-48_n5 | 2 | 0.6 |
| | 48 | 0.8 |
| | n5 | 0.3 |
| DC_2-48_n12 | 2 | 0.6 |
| | 48 | 0.3 |
| | n12 | 0.8 |
| DC_2-48_n48 | 2 | 0.6 |
| | 48 | 0.8 |
| | n48 | 0.8 |
| DC_2-48_n66 | 2 | 0.6 |
| | 48 | 0.8 |
| | n66 | 0.6 |
| DC_2-48_n71 | 2 | 0.6 |
| | 48 | 0.8 |
| | n71 | 0.3 |
| DC_2-48_n77 | 2 | 0.3 |
| | 48 | 0.6 |
| | n77 | 0.5 |
| DC_2-66_n5, DC_2A-2A-66A_n5A, DC_2-66-66_n5, DC_2A-2A-66A-66A_n5A, DC_2-66-66-66_n5 | 2 | 0.5 |
| | 66 | 0.5 |
| | n5 | 0.3 |
| DC_2-66-n7 | 2 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-66_n12 | 2 | 0.5 |
| | 66 | 0.5 |
| | n12 | 0.8 |
| DC_2-66_n25 | 2 | 0.5 |
| | 66 | 0.5 |
| | n25 | 0.5 |
| DC_2-66-n28 | 2 | 0.5 |
| | 66 | 0.5 |
| | n28 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_2-66_n38<br>DC_2-2-66_n38<br>DC_2-66-66_n38 | 2 | 0.5 |
| | 66 | 0.5 |
| | n38 | 0.9 |
| DC_2-66_n41 | 2 | 0.5 |
| | 66 | 0.5 |
| | n41 | 0.8[1] |
| | | 1.3[2] |
| DC_2-66_n48<br>DC_2-66-66_n48 | 2 | 0.6 |
| | 66 | 0.6 |
| | n48 | 0.8 |
| DC_2-66_n66 | 2 | 0.5 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-66_n71<br>DC_2_n66-n71 | 2 | 0.5 |
| | 66 | 0.5 |
| | n71 | 0.3 |
| DC_2-66_n77 | 2 | 0.6 |
| | 66 | 0.6 |
| | n77 | 0.8 |
| DC_2_n66-n77<br>DC_2-2_n66-n77 | 2 | 0.6 |
| | 66 | 0.6 |
| | n77 | 0.8 |
| DC_2-66_n78<br>DC_2-66-66_n78<br>DC_2_n66-n78 | 2 | 0.6 |
| | 66 | 0.6 |
| | n78 | 0.8 |
| DC_2-71_n38<br>DC_2-2-71_n38 | 2 | 0.5 |
| | 71 | 0.3 |
| | n38 | 0.5 |
| DC_2-71_n66<br>DC_2-2-71_n66 | 2 | 0,5 |
| | 71 | 0.3 |
| | n66 | 0.5 |
| DC_2-71_n71 | 2 | 0.3 |
| | 71 | 0.3 |
| | n71 | 0.3 |
| DC_2-(n)71 | 2 | 0.3 |
| | 71 | 0.3 |
| | n71 | |
| DC_2-71_n78<br>DC_2-2-71_n78 | 2 | 0.6 |
| | 71 | 0.6 |
| | n78 | 0.8 |
| DC_3_n1-n7 | 3 | 0.6 |
| | n1 | 0.6 |
| | n7 | 0.6 |
| DC_3_n1-n28 | 3 | 0.3 |
| | n1 | 0.3 |
| | n28 | 0.6 |
| DC_3_n1-n40 | 3 | 0.5 |
| | n1 | 0.5 |
| | n40 | 0.5 |
| DC_3_n1-n77 | 3 | 0.6 |
| | n1 | 0.6 |
| | n77 | 0.8 |
| DC_3_n1-n78 | 3 | 0.6 |
| | n1 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.8 |
| DC_3_n1-n79 | 3 | 0.3 |
| | n1 | 0.3 |
| | n79 | 0.0 |
| DC_3_n3-n41 | 3 | 0.5 |
| | n3 | 0.5 |
| | n41 | 0.3[1]/0.8[2] |
| DC_3_n3-n77 | 3 | 0.6 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_3_n3-n78 | 3 | 0.6 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_3-5_n78 | 3 | 0.6 |
| | 5 | 0.6 |
| | n78 | 0.8 |
| DC_3-5_n79 | 3 | 0.3 |
| | 5 | 0.3 |
| DC_3-7_n1, DC_3-3-7_n1, DC_3-7-7_n1, DC_3-3-7-7_n1 | 3 | 0.3 |
| | 7 | 0.6 |
| | n1 | 0.5 |
| DC_3-7_n5 | 3 | 0.5 |
| | 7 | 0.5 |
| | n5 | 0.3 |
| DC_3-7_n7 | 3 | 0.5 |
| | 7 | 0.5 |
| | n7 | 0.5 |
| DC_3-7_n8 | 3 | 0.5 |
| | 7 | 0.5 |
| | n8 | 0.6 |
| DC_3-7_n28 DC_3_n7-n28 | 3 | 0.5 |
| | 7 or n7 | 0.5 |
| | n28 | 0.3 |
| DC_3-7_n40 | 3 | 0.6 |
| | 7 | 0.8 |
| | n40 | 0.9 |
| DC_3-7_n77 DC_3-3-7_n77 DC_3-7-7_n77 DC_3-3-7-7_n77 | 3 | 0.6 |
| | 7 | 0.6 |
| | n77 | 0.8 |
| DC_3-7_n78, DC_3-7-7_n78, DC_3-3-7_n78, DC_3-3-7-7_n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | n78 | 0.8 |
| DC_3_n7-n78 | 3 | 0.6 |
| | n7 | 0.6 |
| | n78 | 0.8 |
| DC_3-8_n1 DC_3-3-8_n1 | 3 | 0.3 |
| | 8 | 0.3 |
| | n1 | 0.3 |
| DC_3_n8-n40 DC_3-8_n40 | 3 | 0.5 |
| | 8 or n8 | 0.3 |
| | n40 | 0.5 |
| DC_3-8_n28 | 3 | 0.3 |
| | 8 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n28 | 0.5 |
| DC_3-8_n77 | 3 | 0.6 |
| | 8 | 0.6 |
| | n77 | 0.8 |
| DC_3-8_n78<br>DC_3-3-8_n78<br>DC_3_n8-n78 | 3 | 0.6 |
| | 8 or n8 | 0.6 |
| | n78 | 0.8 |
| DC_3-8_n79 | 3 | 0.3 |
| | 8 | 0.3 |
| DC_3-11_n28 | 3 | 0.8 |
| | 11 | 0.9 |
| | n28 | 0.6 |
| DC_3-11_n77 | 3 | 0.8 |
| | 11 | 0.9 |
| | n77 | 0.8 |
| DC_3-18_n3 | 3 | 0.3 |
| | 18 | 0.3 |
| | n3 | 0.3 |
| DC_3-18_n28 | 3 | 0.3 |
| | 18 | 0.5 |
| | n28 | 0.3 |
| DC_3-18-n77 | 3 | 0.6 |
| | 18 | 0.3 |
| | n77 | 0.8 |
| DC_3-18-n78 | 3 | 0.6 |
| | 18 | 0.3 |
| | n78 | 0.8 |
| DC_3-18-n79 | 3 | 0.3 |
| | 18 | 0.3 |
| DC_3-19_n1 | 3 | 0.3 |
| | 19 | 0.3 |
| | n1 | 0.3 |
| DC_3-19_n77 | 3 | 0.6 |
| | 19 | 0.3 |
| | n77 | 0.8 |
| DC_3-19_n78 | 3 | 0.6 |
| | 19 | 0.3 |
| | n78 | 0.8 |
| DC_3-19_n79 | 3 | 0.3 |
| | 19 | 0.3 |
| DC_3-20_n1 | 3 | 0.3 |
| | 20 | 0.3 |
| | n1 | 0.3 |
| DC_3-20_n7 | 3 | 0.5 |
| | 20 | 0.3 |
| | n7 | 0.5 |
| DC_3-20_n8 | 3 | 0.3 |
| | 20 | 0.4 |
| | n8 | 0.4 |
| DC_3-20_n28 | 3 | 0.3 |
| | 20 | 0.5 |
| | n28 | 0.5 |
| DC_3-20_n38 | 3 | 0.5 |
| | 20 | 0.3 |
| | n38 | 0.5 |
| DC_3-20_n41 | 3 | 0.5 |
| | 20 | 0.3 |
| | n41 | 0.5[1] |
| | | 1.2[2] |
| DC_3-20_n78 | 3 | 0.5 |
| | 20 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.8 |
| DC_3_n20-n78 | 3 | 0.5 |
| | n20 | 0.3 |
| | n78 | 0.8 |
| DC_3-21_n1 | 3 | 0.8 |
| | 21 | 0.9 |
| | n1 | 0.3 |
| DC_3-21_n77 | 3 | 0.8 |
| | 21 | 0.9 |
| | n77 | 0.8 |
| DC_3-21_n78 | 3 | 0.8 |
| | 21 | 0.9 |
| | n78 | 0.8 |
| DC_3-21_n79 | 3 | 0.8 |
| | 21 | 0.9 |
| DC_3-28_n1 | 3 | 0.3 |
| | 28 | 0.6 |
| | n1 | 0.3 |
| DC_3-28_n5 | 3 | 0.3 |
| | 28 | 0.5 |
| | n5 | 0.5 |
| DC_3-28_n7 | 3 | 0.5 |
| | 28 | 0.3 |
| | n7 | 0.5 |
| DC_3_n28-n40 | 3 | 0.5 |
| | n28 | 0.3 |
| | n40 | 0.5 |
| DC_3-28_n40 | 3 | 0.5 |
| | 28 | 0.3 |
| | n40 | 0.5 |
| DC_3-28_n41 | 3 | 0.5 |
| | 28 | 0.5 |
| | n41 | 0.3[3]/0.8[4] |
| DC_3-28_n77<br>DC_3_n28-n77 | 3 | 0.6 |
| | 28 or n28 | 0.5 |
| | n77 | 0.8 |
| DC_3-28_n78 | 3 | 0.5 |
| | 28 | 0.3 |
| | n78 | 0.8 |
| DC_3_n28-n78 | 3 | 0.5 |
| | n28 | 0.3 |
| | n78 | 0.8 |
| DC_3-32_n1 | 3 | 0.5 |
| | n1 | 0.5 |
| DC_3-32_n78 | 3 | 0.6 |
| | n78 | 0.8 |
| DC_3-38_n78 | 3 | 0.6 |
| | n78 | 0.8 |
| DC_3-40_n1 | 3 | 0.5 |
| | 40 | 0.5 |
| | n1 | 0.5 |
| DC_3_n40-n41 | 3 | 0.5 |
| | n40 | 0.5 |
| | n41 | 0.5[3] |
| | | 0.8[4] |
| DC_3-40-n78 | 3 | 0.6 |
| | 40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_3_n40-n78 | 3 | 0.6 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_3_n40-n79 | 3 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n40 | 0.5 |
| DC_3-41_n3 | 3 | 0.5 |
| | 41 | 0.3[3]/0.8[4] |
| | n3 | 0.5 |
| DC_3-41_n28 | 3 | 0.5 |
| | 41 | 0.3[1]/0.8[2] |
| | n28 | 0.3 |
| DC_3-(n)41 | 3 | 0.5 |
| | 41 | 0.3[3] |
| | | 0.8[4] |
| | n41 | 0.3[3] |
| | | 0.8[4] |
| DC_3-41_n41 | 3 | 0.5 |
| | 41 | 0.3[3] |
| | | 0.8[4] |
| | n41 | 0.3[3] |
| | | 0.8[4] |
| DC_3-41-n77<br>DC_3_n41-n77 | 3 | 0.6 |
| | 41 | 0.3[3] |
| | | 0.8[4] |
| | n77 | 0.8 |
| DC_3-41_n78<br>DC_3_n41-n78 | 3 | 0.6 |
| | 41 or n41 | 0.3[3] |
| | | 0.8[4] |
| | n78 | 0.8 |
| DC_3-41-n79,<br>DC_3_n41-n79 | 3 | 0.6 |
| | 41 or n41 | 0.3[3] |
| | | 0.8[4] |
| DC_3_SUL_n41-n80 | 3 | 0.5 |
| | n41 | 0.3[3] |
| | | 0.8[4] |
| | n80 | 0.5 |
| DC_3-42_n1 | 3 | 0.6 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| DC_3-42_n28 | 3 | 0.6 |
| | 42 | 0.8 |
| | n28 | 0.8 |
| DC_3-42_n77 | 3 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_3-42_n78 | 3 | 0.6 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_3-42_n79 | 3 | 0.6 |
| | 42 | 0.8 |
| DC_3_n75-n78 | 3 | 0.6 |
| | n78 | 0.8 |
| DC_3_n77-n79 | 3 | 0.6 |
| | n77 | 0.8 |
| DC_3_SUL_n77-n80 | 3 | 0.6 |
| | n77 | 0.8 |
| | n80 | 0.6 |
| DC_3_SUL_n77-n84 | 3 | 0.6 |
| | n77 | 0.8 |
| | n84 | 0.6 |
| DC_3_n78-n79 | 3 | 0.6 |
| | n78 | 0.8 |
| | n79 | 0.5 |
| DC_3_SUL_n78-n80 | 3 | 0.6 |
| | n78 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n80 | 0.6 |
| DC_3_SUL_n78-n82 | 3 | 0.5 |
| | n78 | 0.8 |
| | n82 | 0.3 |
| DC_3_SUL_n78-n84 | 3 | 0.6 |
| | n78 | 0.8 |
| | n84 | 0.6 |
| DC_4-7_n28 | 4 | 0.5 |
| | 7 | 0.5 |
| | n28 | 0.6 |
| DC_5-7_n7 | 5 | 0.5 |
| | 7 | 0.3 |
| | n7 | 0.3 |
| DC_5-7_n66 | 5 | 0.3 |
| | 7 | 0.5 |
| | n66 | 0.5 |
| DC_5-7_n71 | 5 | 0.5 |
| | 7 | 0.3 |
| | n71 | 0.6 |
| DC_5-7_n78, DC_5-7-7_n78, DC_5_n7-n78 | 5 | 0.6 |
| | 7 or n7 | 0.6 |
| | n78 | 0.8 |
| DC_5_(n)12 | 5 | 0.8 |
| | 12 | 0.4 |
| | n12 | 0.4 |
| DC_5-13_n2 | 5 | 0.5 |
| | 13 | 0.5 |
| | n2 | 0.3 |
| DC_5-13_n66 | 5 | 0.3 |
| | 13 | 0.3 |
| | n66 | 0.3 |
| DC_5-30_n66 | 5 | 0.3 |
| | 30 | 0.3 |
| | n66 | 0.5 |
| DC_5-41_n79 | 5 | 0.3 |
| | 41 | 0.3 |
| DC_5-46_n66 | 5 | 0.3 |
| | n66 | 0.3 |
| DC_5-48_n12 | 5 | 0.8 |
| | 48 | 0.3 |
| | n12 | 0.4 |
| DC_5-48_n71 | 5 | 0.5 |
| | 48 | 0.3 |
| | n71 | 0.5 |
| DC_5-66_n2<br>DC_5-5-66_n2<br>DC_5-66-66_n2<br>DC_5-5-66-66_n2 | 5 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_5-66_n5<br>DC_5-66-66_n5 | 5 | 0.3 |
| | 66 | 0.3 |
| | n5 | 0.3 |
| DC_5-66-n7 | 5 | 0.3 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_5-66_n12 | 5 | 0.3 |
| | 66 | 0.8 |
| | n12 | 0.8 |
| DC_5-66_n48<br>DC_5-66-66_n48 | 5 | 0.3 |
| | 66 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n48 | 0.8 |
| DC_5-66_n66<br>DC_5-5-66_n66<br>DC_5-66-66_n66<br>DC_5-5-66-66_n66 | 5 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_5-66_n71 | 5 | 0.5 |
| | 66 | 0.3 |
| | n71 | 0.5 |
| DC_5-66_n77 | 5 | 0.6 |
| | 66 | 0.6 |
| | n77 | 0.8 |
| DC_5-66_n78 | 5 | 0.6 |
| | 66 | 0.6 |
| | n78 | 0.8 |
| DC_5-66_n5 | 5 | 0.3 |
| | 66 | 0.3 |
| | n5 | 0.3 |
| DC_5-66_n66 | 5 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_7_n1-n40 | n1 | 0.6 |
| | 7 | 0.8 |
| | n40 | 0.9 |
| DC_7_n1-n78 | 7 | 0.6 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_7_n3-n78 | 7 | 0.6 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_7_n7-n78 | 7 | 0.5 |
| | n7 | 0.5 |
| | n78 | 0.8 |
| DC_7-8_n1<br>DC_7-7-8_n1 | 7 | 0.6 |
| | 8 | 0.6 |
| | n1 | 0.5 |
| DC_7-8_n28 | 7 | 0.3 |
| | 8 | 0.6 |
| | n28 | 0.5 |
| DC_7_n8-n40<br>DC_7-8_n40 | 7 | 0.5 |
| | 8 or n8 | 0.6 |
| | n40 | 0.6 |
| DC_7-8_n3 | 7 | 0.5 |
| | 8 | 0.6 |
| | n3 | 0.5 |
| DC_7-8_n77 | 7 | 0.5 |
| | 8 | 0.6 |
| | n77 | 0.8 |
| DC_7-8_n78<br>DC_7-7-8_n78<br>DC_7_n8-n78 | 7 | 0.5 |
| | 8 or n8 | 0.6 |
| | n78 | 0.8 |
| DC_7-13_n66 | 7 | 0.5 |
| | 13 | 0.3 |
| | n66 | 0.5 |
| DC_7-20_n1 | 7 | 0.6 |
| | 20 | 0.3 |
| | n1 | 0.5 |
| DC_7-20_n3 | 7 | 0.5 |
| | 20 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n3 | 0.5 |
| DC_7-20_n8 | 7 | 0.3 |
| | 20 | 0.4 |
| | n8 | 0.4 |
| DC_7-20_n28 | 7 | 0.3 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| DC_7-20_n78 | 7 | 0.3 |
| | 20 | 0.3 |
| | n78 | 0.8 |
| DC_7-28_n1 | 7 | 0.6 |
| | 28 | 0.6 |
| | n1 | 0.3 |
| DC_7-28_n2 | 7 | 0.5 |
| | 28 | 0.3 |
| | n2 | 0.5 |
| DC_7-28_n3 | 7 | 0.5 |
| | 28 | 0.3 |
| | n3 | 0.5 |
| DC_7-28_n5 | 7 | 0.3 |
| | 28 | 0.5 |
| | n5 | 0.5 |
| DC_7-28_n7 | 7 | 0.3 |
| | 28 | 0.3 |
| | n7 | 0.3 |
| DC_7_n28-n40 | 7 | 0.5 |
| | n28 | 0.3 |
| | n40 | 0.6 |
| DC_7-28_n40 | 7 | 0.5 |
| | 28 | 0.3 |
| | n40 | 0.6 |
| DC_7-28_n66 | 7 | 0.5 |
| | 28 | 0.6 |
| | n66 | 0.5 |
| DC_7-28_n78 | 7 | 0.3 |
| | 28 | 0.3 |
| | n78 | 0.8 |
| DC_7_n28-n78 | 7 | 0.3 |
| | n28 | 0.3 |
| | n78 | 0.8 |
| DC_7A-32A_n1 | 7 | 0.6 |
| | n1 | 0.5 |
| DC_7-32_n28 | 7 | 0.3 |
| | n28 | 0.7 |
| DC_7-32_n78 | 7 | 0.5 |
| | n78 | 0.8 |
| DC_7-40_n1 | 7 | 0.8 |
| | 40 | 0.9 |
| | n1 | 0.6 |
| DC_7-40-n78 | 7 | 0.5 |
| | 40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_7-46_n78 | 7 | 0.5 |
| | n78 | 0.8 |
| DC_7-66_n5<br>DC_7-66-66_n5<br>DC_7-7-66_n5<br>DC_7-7-66-66_n5 | 7 | 0.3 |
| | 66 | 0.3 |
| | n5 | 0.3 |
| DC_7-66_n7<br>DC_7-66-66_n7 | 7 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_7-66-n28 | 2 | 0.5 |
| | 66 | 0.5 |
| | n28 | 0.6 |
| DC_7-66_n38 | 66 | 0.5 |
| DC_7-66_n66<br>DC_7-7-66_n66 | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_7-66_n71<br>DC_7-66-66_n71 | 7 | 0.5 |
| | 66 | 0.5 |
| | n71 | 0.5 |
| DC_7-66_n77<br>DC_7-7-66_n77 | 7 | 0.5 |
| | 66 | 0.6 |
| | n77 | 0.8 |
| DC_7-66_n78<br>DC_7-7-66_n78<br>DC_7-66-66_n78<br>DC_7-7-66-66_n78 | 7 | 0.5 |
| | 66 | 0.5 |
| DC_7_n66-n78<br>DC_7-7_n66-n78 | 7 | 0.5 |
| | n66 | 0.6 |
| | n78 | 0.8 |
| DC_7_SUL_n78-n80 | 7 | 0.6 |
| | n80 | 0.6 |
| | n78 | 0.8 |
| DC_8_n1-n78 | 8 | 0.6 |
| | n1 | 0.3 |
| | n78 | 0.8 |
| DC_8_n3-n28 | 8 | 0.6 |
| | n3 | 0.3 |
| | n28 | 0.5 |
| DC_8_n3-n77 | 8 | 0.6 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_8-11_n3 | 8 | 0.3 |
| | 11 | 0.8 |
| | n3 | 0.9 |
| DC_8-11_n28 | 8 | 0.6 |
| | 11 | 0.4 |
| | n28 | 0.6 |
| DC_8-11_n77 | 8 | 0.6 |
| | 11 | 0.4 |
| | n77 | 0.8 |
| DC_8-11_n78 | 8 | 0.6 |
| | 11 | 0.4 |
| | n78 | 0.8 |
| DC_8-20_n78 | 8 | 0.6 |
| | 20 | 0.6 |
| | n78 | 0.8 |
| DC_8_n28-n77 | 8 | 0.6 |
| | n28 | 0.5 |
| | n77 | 0.8 |
| DC_8-40_n1 | 8 | 0.3 |
| | 40 | 0.5 |
| | n1 | 0.3 |
| DC_8-40-n78 | 8 | 0.6 |
| | 40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_8_n40-n41 | 8 | 0.3 |
| | n40 | 0.3 |
| | n41 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_8_n40-n79 | 8 | 0.3 |
| | n40 | 0.3 |
| DC_8_n41-n79 | 8 | 0.3 |
| | n41 | 0.3 |
| DC_8_SUL_n41-n81 | 8 | 0.3 |
| | n41 | 0.3 |
| | n81 | 0.3 |
| DC_8-42_n3 | 8 | 0.6 |
| | 42 | 0.8 |
| | n3 | 0.6 |
| DC_8-42_n28 | 8 | 0.6 |
| | 42 | 0.8 |
| | n28 | 0.8 |
| DC_8-42_n77 | 8 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_8_SUL_n78-n80 | 8 | 0.6 |
| | n80 | 0.6 |
| | n78 | 0.8 |
| DC_8_SUL_n78- n81 | 8 | 0.6 |
| | n78 | 0.8 |
| | n81 | 0.6 |
| DC_11_n3-n28 | 11 | 0.8 |
| | n3 | 0.9 |
| | n28 | 0.6 |
| DC_11_n3-n77 | 11 | 0.8 |
| | n3 | 0.9 |
| | n77 | 0.8 |
| DC_11-18_n77 | 11 | 0.4 |
| | 18 | 0.3 |
| | n77 | 0.8 |
| DC_11-18_n78 | 11 | 0.4 |
| | 18 | 0.3 |
| | n78 | 0.8 |
| DC_11_n28-n77 | 11 | 0.4 |
| | n28 | 0.6 |
| | n77 | 0.8 |
| DC_12_(n)5 | 5 | 0.8 |
| | 12 | 0.4 |
| | n5 | 0.8 |
| DC_12_n7-n66 | 12 | 0.8 |
| | n7 | 0.5 |
| | n66 | 0.5 |
| DC_12_n7-n78 | 12 | 0.5 |
| | n7 | 0.5 |
| | n78 | 0.8 |
| DC_12-30_n2 | 12 | 0.3 |
| | 30 | 0.3 |
| | n2 | 0.5 |
| DC_12-30_n66 | 12 | 0.8 |
| | 30 | 0.3 |
| | n66 | 0.5 |
| DC_13-46_n5 | 13 | 0.5 |
| | n5 | 0.5 |
| DC_12-48_n5 | 12 | 0.4 |
| | 48 | 0.3 |
| | n5 | 0.8 |
| DC_12-66_n2 | 12 | 0.8 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_12-66_n5 | 12 | 0.8 |
| | 66 | 0.8 |
| | n5 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_12-66_n25 | 12 | 0.8 |
| | 66 | 0.5 |
| | n25 | 0.5 |
| DC_12-66_n66 | 12 | 0.8 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_13_n2-n77 | 13 | 0.3 |
| | n2 | 0.6 |
| | n77 | 0.8 |
| DC_13_n5-n48 | 13 | 0.4 |
| | n5 | 0.8 |
| | n48 | 0.3 |
| DC_13-48_n2 | 13 | 0.3 |
| | 48 | 0.8 |
| | n2 | 0.6 |
| DC_13-48_n66<br>DC_13_n48-n66 | 13 | 0.3 |
| | 48/n48 | 0.8 |
| | n66 | 0.6 |
| DC_13-66_n2<br>DC_13-66-66_n2 | 13 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_13-66_n5 | 13 | 0.5 |
| | 66 | 0.3 |
| | n5 | 0.5 |
| DC_13-66_n48<br>DC_13-66-66_n48 | 13 | 0.3 |
| | 66 | 0.6 |
| | n48 | 0.8 |
| DC_13-66_n66<br>DC_13-66-66_n66 | 13 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_13-66_n77 | 13 | 0.5 |
| | 66 | 0.6 |
| | n77 | 0.8 |
| DC_13_n66-n77 | 13 | 0.3 |
| | n66 | 0.6 |
| | n77 | 0.8 |
| DC_18_n3-n77 | 18 | 0.3 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_14-66_n2<br>DC_14-66-66_n2 | 14 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_14-66_n66 | 14 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_18_n3-n41 | 18 | 0.3 |
| | n3 | 0.5 |
| | n41 | 0.3 |
| DC_18_n3-n78 | 18 | 0.3 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_18_n28-n41 | 18 | 0.5 |
| | n28 | 0.5 |
| | n41 | 0.3 |
| DC_18-28_n77<br>DC_18_n28-n77 | 18 | 0.5 |
| | 28/n28 | 0.5 |
| | n77 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_18-28_n78<br>DC_18_n28-n78 | 18 | 0.5 |
| | 28/n28 | 0.5 |
| | n78 | 0.8 |
| DC_18-28_n79 | 18 | 0.5 |
| | 28 | 0.5 |
| DC_18-41_n3 | 18 | 0.3 |
| | 41 | 0.3[1]/0.8[2] |
| | n3 | 0.5 |
| DC_18-41_n77<br>DC_18_n41-n77 | 18 | 0.3 |
| | 41 | 0.3 |
| | n77 | 0.8 |
| DC_18-41_n78<br>DC_18_n41-n78 | 18 | 0.3 |
| | 41 | 0.3 |
| | n78 | 0.8 |
| DC_18-42_n77 | 18 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_18-42_n78 | 18 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_18-42_n79 | 18 | 0.3 |
| | 42 | 0.8 |
| DC_19_n1-n77 | 19 | 0.3 |
| | n1 | 0.3 |
| | n77 | 0.8 |
| DC_19_n1-n78 | 19 | 0.3 |
| | n1 | 0.3 |
| | n78 | 0.8 |
| DC_19_n1-n79 | 19 | 0.3 |
| | n1 | 0.3 |
| | n79 | 0.0 |
| DC_19-21_n1 | 19 | 0.3 |
| | 21 | 0.4 |
| | n1 | 0.3 |
| DC_19-21_n77 | 19 | 0.3 |
| | 21 | 0.4 |
| | n77 | 0.8 |
| DC_19-21_n78 | 19 | 0.3 |
| | 21 | 0.4 |
| | n78 | 0.8 |
| DC_19-21_n79 | 19 | 0.3 |
| | 21 | 0.4 |
| DC_19-42_n1 | 19 | 0.3 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| DC_19-42_n77 | 19 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_19-42_n78 | 19 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_19-42_n79 | 19 | 0.3 |
| | 42 | 0.8 |
| DC_19_n77-n79 | 19 | 0.3 |
| | n77 | 0.8 |
| DC_19_n78-n79 | 19 | 0.3 |
| | n78 | 0.8 |
| | n79 | 0.5 |
| DC_20_n1-n7 | 20 | 0.3 |
| | n1 | 0.5 |
| | n7 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_20_n1-n28 | 20 | 0.3 |
| | n1 | 0.6 |
| | n28 | 0.6 |
| DC_20_n1-n78 | 20 | 0.3 |
| | n1 | 0.3 |
| | n78 | 0.8 |
| DC_20_n3-n78 | 20 | 0.3 |
| | n3 | 0.5 |
| | n78 | 0.8 |
| DC_20_n7-n28 | 20 | 0.5 |
| | n7 | 0.3 |
| | n28 | 0.5 |
| DC_20_n8-n75 | 20 | 0.4 |
| | n8 | 0.4 |
| DC_20-28_n3 | 2 | 0.5 |
| | 28 | 0.6 |
| | n3 | 0.5 |
| DC_20_n28-n75 | 20 | 0.5 |
| | n28 | 0.7 |
| DC_20_n28-n78 | 20 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_20-32-n1 | 20 | 0.3 |
| | n1 | 0.5 |
| DC_20-32-n3 | 20 | 0.3 |
| | n3 | 0.5 |
| DC_20-32_n28 | 20 | 0.5 |
| | n28 | 0.7 |
| DC_20-32_n78 | 20 | 0.5 |
| | n78 | 0.8 |
| DC_20-(n)38 | 20 | 0.3 |
| | 38 | 0.3 |
| | n38 | 0.3 |
| DC_20-38_n78 | 20 | 0.6 |
| | n78 | 0.8 |
| DC_20_n41-n78 | 20 | 0.5 |
| | n41 | 0.3 |
| | n78 | 0.8 |
| DC_20_n75-n78 | 20 | 0.5 |
| | n78 | 0.8 |
| DC_20_n76-n78 | 20 | 0.5 |
| | n78 | 0.8 |
| DC_20_SUL_n78-n80 | 20 | 0.3 |
| | n80 | 0.5 |
| | n78 | 0.8 |
| DC_20_SUL_n78-n82 | 20 | 0.6 |
| | n78 | 0.8 |
| | n82 | 0.6 |
| DC_20_SUL_n78-n83 | 20 | 0.8 |
| | n78 | 0.8 |
| | n83 | 0.8 |
| DC_20_n78-n92 | 20 | 0.6 |
| | n78 | 0.8 |
| DC_21_n1-n77 | 21 | 0.3 |
| | n1 | 0.3 |
| | n77 | 0.8 |
| DC_21_n1-n78 | 21 | 0.4 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_21_n1-n79 | 21 | 0.3 |
| | n1 | 0.3 |
| DC_21-42_n1 | 21 | 0.4 |
| | 42 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n1 | 0.3 |
| DC_21-42_n77 | 21 | 0.4 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_21-42_n78 | 21 | 0.4 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_21-42_n79 | 21 | 0.4 |
| | 42 | 0.8 |
| DC_21_n77-n79 | 21 | 0.4 |
| | n77 | 0.8 |
| DC_21_n78-n79 | 21 | 0.4 |
| | n78 | 0.8 |
| | n79 | 0.5 |
| DC_25-41_n41<br>DC_25_(n)41<br>DC_25-25-41_n41<br>DC_25-25_(n)41 | 25 | 0.5 |
| | 41 | 0.4[1] |
| | | 0.9[2] |
| | n41 | 0.4[1] |
| | | 0.9[2] |
| DC_28_n1-n40 | 28 | 0.6 |
| | n1 | 0.3 |
| | n40 | 0.5 |
| DC_28_n1-n78 | 28 | 0.6 |
| | n1 | 0.3 |
| | n78 | 0.8 |
| DC_28_n3-n77 | 28 | 0.5 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_28_n3-n78 | 28 | 0.3 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_28_n7-n78 | 28 | 0.3 |
| | n7 | 0.3 |
| | n78 | 0.8 |
| DC_28-41_n77 | 28 | 0.5 |
| | 41 | 0.3 |
| | n77 | 0.8 |
| DC_28-41_n78 | 28 | 0.5 |
| | 41 | 0.3 |
| | n78 | 0.8 |
| DC_28-41_n79 | 28 | 0.3 |
| | 41 | 0.3 |
| | n79 | 0.8 |
| DC_28_n8-n78 | 28 | 0.5 |
| | n8 | 0.6 |
| | n78 | 0.3 |
| DC_28_n40-n78 | 28 | 0.5 |
| | n40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_28_SUL_n41-n83 | n28 | 0.3 |
| | n41 | 0.3 |
| | n83 | 0.3 |
| DC_28-42_n77 | 28 | 0.5 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_28-42_n78 | 28 | 0.5 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_28-42_n79 | 28 | 0.5 |
| | 42 | 0.8 |
| DC_28-66_n7 | 28 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_28-66_n66 | 28 | 0.6 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_28_SUL_n78-n83 | 28 | 0.5 |
| | n78 | 0.8 |
| | n83 | 0.5 |
| DC_29-66_n2<br>DC_29-66-66_n2 | 66 | 0.5 |
| | n2 | 0.5 |
| DC_30-66_n2 | 30 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_30-66_n5, DC_30-66-66_n5, DC_30-66-66-66_n5 | 30 | 0.3 |
| | 66 | 0.5 |
| | n5 | 0.3 |
| DC_39_n40-n41 | 39 | 0.3 |
| | n40 | 0.3 |
| | n41 | 0.3 |
| DC_39_n40-n79 | 39 | 0.3 |
| | n79 | 0.8 |
| DC_39_n41-n79 | 39 | 0.5 |
| | n41 | 0.5 |
| | n79 | 0.8 |
| DC_41_n3-n41 | 41 | 0.3[3]/08[4] |
| | n3 | 0.5 |
| | n41 | 0.3[3]/08[4] |
| DC_41_n3-n77 | 41 | 0.3[3]/08[4] |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_41_n3-n78 | 41 | 0.3[3]/08[4] |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_41_n28-n41 | 41 | 0.3[3]/08[4] |
| | n28 | 0.3 |
| | n41 | 0.3[3]/08[4] |
| DC_41_n28-n77 | 41 | 0.3 |
| | n28 | 0.5 |
| | n77 | 0.8 |
| DC_41_n28-n78 | 41 | 0.3 |
| | n28 | 0.5 |
| | n78 | 0.8 |
| DC_41_n41-n77 | 41 | 0.3 |
| | n41 | 0.3 |
| | n77 | 0.8 |
| DC_41_n41-n78 | 41 | 0.3 |
| | n41 | 0.3 |
| | n78 | 0.8 |
| DC_(n)41-n78 | 41 | 0.3 |
| | n41 | 0.3 |
| | n78 | 0.8 |
| DC_41-42_n77 | 41 | 0.5 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_41-42_n78 | 41 | 0.5 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| | 66 | 0.5 |
| | n41 | 0.8[1] |
| | | 1.3[2] |
| | 66 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n71 | 0.3 |
| DC_42_n1-n77 | 42 | 0.8 |
| | n1 | 0.6 |
| | n77 | 0.8 |
| DC_42_n1-n78 | 42 | 0.8 |
| | n1 | 0.3 |
| | n78 | 0.8 |
| DC_42_n1-n79 | 42 | 0.8 |
| | n1 | 0.3 |
| DC_42_n3-n28 | 42 | 0.8 |
| | n3 | 0.6 |
| | n28 | 0.8 |
| DC_42_n3-n77 | 42 | 0.8 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_42_n28-n77 | 42 | 0.5 |
| | n28 | 0.8 |
| | n77 | 0.8 |
| DC_46-66_n5 | 66 | 0.3 |
| | n5 | 0.3 |
| DC_46-66_n25 | 66 | 0.5 |
| | n25 | 0.5 |
| DC_48_(n)5 | 5 | 0.3 |
| | 48 | 0.3 |
| | n5 | 0.3 |
| DC_48_(n)12 | 12 | 0.3 |
| | n12 | 0.3 |
| | 48 | 0.3 |
| DC_48_n25-n48 | 48 | 0.8 |
| | n25 | 0.6 |
| | n48 | 0.8 |
| DC_48_n48-n66 | 48 | 0.8 |
| | n48 | 0.8 |
| | n66 | 0.6 |
| DC_48-66_n12 | 48 | 0.8 |
| | 66 | 0.6 |
| | n12 | 0.3 |
| DC_48-66_n25 | 48 | 0.8 |
| | 66 | 0.6 |
| | n25 | 0.6 |
| DC_48-66_n48 | 66 | 0.6 |
| | 48 | 0.8 |
| | n48 | 0.8 |
| DC_48-66_n71 | 48 | 0.8 |
| | 66 | 0.6 |
| | n71 | 0.3 |
| DC_48-66_n5 | 48 | 0.8 |
| | 66 | 0.6 |
| | n5 | 0.3 |
| DC_41-42_n79 | 41 | 0.3 |
| | 42 | 0.8 |
| DC_66_(n)5 | 5 | 0.3 |
| | n5 | 0.3 |
| | 66 | 0.3 |
| DC_66_n2-n77 | 66 | 0.6 |
| | n2 | 0.6 |
| | n77 | 0.8 |
| DC_66_n5-n48 | 66 | 0.6 |
| | n5 | 0.3 |
| | n48 | 0.8 |
| DC_66_n5-n77 | 66 | 0.6 |
| | n5 | 0.3 |
| | n77 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_66_n7-n78 | 66 | 0.6 |
| | n7 | 0.5 |
| | n78 | 0.8 |
| DC_66_(n)12 | 12 | 0.8 |
| | n12 | 0.8 |
| | 66 | 0.5 |
| DC_66_n25-n41 | 66 | 0.5 |
| | n25 | 0.5 |
| | n41 | 0.8[1] |
| | | 1.3[2] |
| DC_66_n25-n48 | 66 | 0.6 |
| | n25 | 0.6 |
| | n48 | 0.8 |
| DC_66_n25-n71 | 66 | 0.5 |
| | n25 | 0.5 |
| | n71 | 0.3 |
| DC_66_n38-n66 | 66 | 0.5 |
| | n38 | 0.5 |
| | n66 | 0.5 |
| DC_66_n38-n78 | 66 | 0.6 |
| | n38 | 0.5 |
| | n78 | 0.8 |
| DC_66_n41-n71 | 66 | 0.5 |
| | n41 | 0.8[1] |
| | | 1.3[2] |
| | n71 | 0.6 |
| DC_66_n66-n77 | 66 | 0.6 |
| | n66 | 0.6 |
| | n77 | 0.8 |
| DC_66_n66-n78 | 66 | 0.6 |
| | n66 | 0.6 |
| | n78 | 0.8 |
| DC_66_(n)71 | 66 | 0.3 |
| | 71 | 0.3 |
| | n71 | 0.3 |
| DC_66-71_n38 | 66 | 0.5 |
| | 71 | 0.5 |
| | n38 | 0.8 |
| DC_66-71_n66 | 66 | 0.3 |
| | 71 | 0.3 |
| | n66 | 0.3 |
| DC_66_(n)5 | 5 | 0.3 |
| | n5 | 0.3 |
| | 66 | 0.3 |
| DC_66-71_n78 | 66 | 0.6 |
| | 71 | 0.6 |
| | n78 | 0.8 |
| DC_66_SUL_n78-n86 | 66 | 0.6 |
| | n78 | 0.8 |
| | n86 | 0.6 |

NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz.
NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz.
NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2515 – 2690 MHz.
NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.
NOTE 5: Only applicable for UE supporting inter-band carrier aggregation with uplink in one NR band and without simultaneous Rx/Tx.

6.2B.4.2.3.3 $\Delta T_{IB,c}$ for EN-DC four bands

**Table 6.2B.4.2.3.3-1: $\Delta T_{IB,c}$ due to EN-DC(four bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3_n3-n41 | 1 | 0.5 |
| | 3 | 0.5 |
| | n3 | 0.5 |
| | n41 | 0.3[3]/0.8[4] |
| DC_1-3_n3-n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_1-3_n3-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-5_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 5 | 0.3 |
| | n78 | 0.8 |
| DC_1-3-5_n79 | 1 | 0.3 |
| | 3 | 0.3 |
| | 5 | 0.3 |
| DC_1-3-7_n5 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | n5 | 0.3 |
| DC_1-3-7_n7 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | n7 | 0.6 |
| DC_1-3-7_n8 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | n8 | 0.3 |
| DC_1-3-7_n28 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | n28 | 0.6 |
| DC_1-3-7_n40 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.8 |
| | n40 | 0.9 |
| DC_1-3-7_n78<br>DC_1-3-7-7_n78<br>DC_1-3_n7-n78 | 1 | 0.7 |
| | 3 | 0.7 |
| | 7 or n7 | 0.7 |
| | n78 | 0.8 |
| DC_1-3-8_n28 | 1 | 0.3 |
| | 3 | 0.3 |
| | 8 | 0.6 |
| | n28 | 0.6 |
| DC_1-3-8_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 8 | 0.6 |
| | n77 | 0.8 |
| DC_1-3-8_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 8 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-8_n79 | 1 | 0.3 |
| | 3 | 0.3 |
| | 8 | 0.3 |
| DC_1-3-11_n28 | 1 | 0.3 |
| | 3 | 0.8 |
| | 11 | 0.9 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n28 | 0.6 |
| DC_1-3-11_n77 | 1 | 0.6 |
| | 3 | 0.8 |
| | 11 | 0.9 |
| | n77 | 0.8 |
| DC_1-3-18_n3 | 1 | 0.3 |
| | 3 | 0.3 |
| | 18 | 0.3 |
| | n3 | 0.3 |
| DC_1-3-18_n28 | 1 | 0.3 |
| | 3 | 0.3 |
| | 18 | 0.3 |
| | n28 | 0.6 |
| DC_1-3-18-n41 | 1 | 0.3 |
| | 3 | 0.3 |
| | 18 | 0.3 |
| | n41 | 0.3[7] |
| DC_1-3-28_n5 | 1 | 0.3 |
| | 3 | 0.3 |
| | 28 | 0.6 |
| | n5 | 0.6 |
| DC_1-3-28_n7 | 1 | 0.6 |
| | 3 | 0.6 |
| | 28 | 0.6 |
| | n7 | 0.6 |
| DC_1-3-28_n40 | 1 | 0.5 |
| | 3 | 0.5 |
| | 28 | 0.6 |
| | n40 | 0.5 |
| DC_1-3-18_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 18 | 0.3 |
| | n77 | 0.8 |
| DC_1-3-18_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 18 | 0.3 |
| | n78 | 0.8 |
| DC_1-3-18_n79 | 1 | 0.3 |
| | 3 | 0.3 |
| | 18 | 0.3 |
| DC_1-3-19_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 19 | 0.3 |
| | n78 | 0.8 |
| DC_1-3-19_n79 | 1 | 0.3 |
| | 3 | 0.3 |
| | 19 | 0.3 |
| DC_1-3-20_n8 | 1 | 0.6 |
| | 3 | 0.6 |
| | 20 | 0.6 |
| | n8 | 0.6 |
| DC_1-3-20_n28 | 1 | 0.3 |
| | 3 | 0.3 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| DC_1-3-20_n38 | 1 | 0.5 |
| | 3 | 0.5 |
| | 20 | 0.5 |
| | n38 | 0.5 |
| DC_1-3-20_n41 | 1 | 0.5 |
| | 3 | 0.5 |
| | 20 | 0.3 |
| | n41 | 0.8[1] |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | | 1.3[2] |
| DC_1-3-20_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 20 | 0.3 |
| | n78 | 0.8 |
| DC_1-3-21_n77 | 1 | 0.6 |
| | 3 | 0.8 |
| | 21 | 0.9 |
| | n77 | 0.8 |
| DC_1-3-21_n78 | 1 | 0.6 |
| | 3 | 0.8 |
| | 21 | 0.9 |
| | n78 | 0.8 |
| DC_1-3-21_n79 | 1 | 0.3 |
| | 3 | 0.8 |
| | 21 | 0.9 |
| DC_1-3-32_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-28_n77<br>DC_1_n3-n28-n77 | 1 | 0.6 |
| | 3 or n3 | 0.6 |
| | 28 or n28 | 0.6 |
| | n77 | 0.8 |
| DC_1-3-28_n78<br>DC_1-3_n28-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 28 or n28 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-28_n79 | 1 | 0.6 |
| | 3 | 0.6 |
| | 28 | 0.6 |
| DC_1-3_n28-n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | n28 | 0.6 |
| | n77 | 0.8 |
| DC_1-3_n38-n78 | 1 | 0.5 |
| | 3 | 0.6 |
| | n38 | 0.6 |
| | n78 | 0.8 |
| DC_1-3_n40-n78 | 1 | 0.5 |
| | 3 | 0.6 |
| | n40 | 0.3[6] |
| | n78 | 0.8[6] |
| DC_1-3-40_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 40 | 0.3[9] |
| | n78 | 0.8[9] |
| DC_1-3-41_n3 | 1 | 0.5 |
| | 3 | 0.5 |
| | 41 | 0.3[4]/0.8[5] |
| | n3 | 0.5 |
| DC_1-3-41_n28 | 1 | 0.5 |
| | 3 | 0.5 |
| | 41 | 0.3[4]/0.8[5] |
| | n28 | 0.6 |
| DC_1-3-41_n41 | 1 | 0.5 |
| | 3 | 0.5 |
| | 41 | 0.3[4]/0.8[5] |
| | n41 | 0.3[4]/0.8[5] |
| DC_1-3_(n)41 | 1 | 0.5 |
| | 3 | 0.5 |
| | 41 | 0.3[4]/0.8[5] |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n41 | 0.3[4]/0.8[5] |
| DC_1-3-41_n77<br>DC_1-3_n41-n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41/n41 | 0.5 |
| | n77 | 0.8 |
| DC_1-3-41_n78<br>DC_1-3_n41-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 or n41 | 0.5 |
| | n78 | 0.8 |
| DC_1-3-41_n79 | 1 | 0.5 |
| | 3 | 0.5 |
| | 41 | 0.3[4]/0.8[5] |
| DC_1-3-42_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-3-42_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-3-42_n79 | 1 | 0.6 |
| | 3 | 0.6 |
| | 42 | 0.8 |
| DC_1-3_n77-n79 | 1 | 0.6 |
| | 3 | 0.6 |
| | n77 | 0.8 |
| DC_1-3_n78-n79 | 1 | 0.6 |
| | 3 | 0.6 |
| | n78 | 0.8 |
| DC_1-3_SUL_n78-n80 | 1 | 0.6 |
| | 3, n80 | 0.6 |
| | n78 | 0.8 |
| DC_1-5-7_n78<br>DC_1-5-7-7_n78 | 1 | 0.6 |
| | 5 | 0.6 |
| | 7 | 0.6 |
| | n78 | 0.8 |
| DC_1-5-41_n79 | 1 | 0.5 |
| | 5 | 0.3 |
| | 41 | 0.5 |
| DC_1-7-8_n3 | 1 | 0.6 |
| | 7 | 0.6 |
| | 8 | 0.3 |
| | n3 | 0.6 |
| DC_1-7-8_n28 | 1 | 0.5 |
| | 7 | 0.6 |
| | 8 | 0.6 |
| | n28 | 0.6 |
| DC_1-7_n3-n78 | 1 | 0.5 |
| | 7 | 0.2 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-7_n7-n78 | 1 | 0.6 |
| | 7 | 0.6 |
| | n7 | 0.6 |
| | n78 | 0.8 |
| DC_1-7-8_n78 | 1 | 0.6 |
| | 7 | 0.6 |
| | 8 | 0.6 |
| | n78 | 0.8 |
| DC_1-7-20_n3 | 1 | 0.3 |
| | 7 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 20 | 0.3 |
| | n3 | 0.5 |
| DC_1-7-20_n8 | 1 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.6 |
| | n8 | 0.6 |
| DC_1-7-20_n28 | 1 | 0.5 |
| | 7 | 0.6 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| DC_1-7-20_n78 | 1 | 0.6 |
| | 7 | 0.7 |
| | 20 | 0.4 |
| | n78 | 0.8 |
| DC_1-7-28_n3 | 1 | 0.6 |
| | 7 | 0.6 |
| | 28 | 0.6 |
| | n3 | 0.6 |
| DC_1-7-28_n5 | 1 | 0.3 |
| | 7 | 0.3 |
| | 28 | 0.6 |
| | n5 | 0.6 |
| DC_1-7-28_n7 | 1 | 0.5 |
| | 7 | 0.6 |
| | 28 | 0.6 |
| | n7 | 0.6 |
| DC_1-7-28_n40 | 1 | 0.6 |
| | 7 | 0.8 |
| | 28 | 0.6 |
| | n40 | 0.9 |
| DC_1-7-28_n78 | 1 | 0.6 |
| | 7 | 0.6 |
| | 28 | 0.6 |
| | n78 | 0.8 |
| DC_1-7_n28-n78 | 1 | 0.6 |
| | 7 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_1-7-32_n28 | 1 | 0.5 |
| | 7 | 0.6 |
| | n28 | 0.7 |
| DC_1-7-40_n78 | 1 | 0.6 |
| | 7 | 0.5 |
| | 40 | 0.3[9] |
| | n78 | 0.8[9] |
| DC_1-7_n40-n78 | 1 | 0.6 |
| | 7 | 0.5 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_1-8_n3-n28 | 1 | 0.3 |
| | 8 | 0.6 |
| | n3 | 0.3 |
| | n28 | 0.6 |
| DC_1-8_n3-n77 | 1 | 0.6 |
| | 8 | 0.6 |
| | n3 | 0.8 |
| | n77 | 0.8 |
| DC_1-8-11_n3 | 1 | 0.3 |
| | 8 | 0.3 |
| | 11 | 0.8 |
| | n3 | 0.9 |
| DC_1-8-11_n28 | 1 | 0.3 |
| | 8 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 11 | 0.4 |
| | n28 | 0.6 |
| DC_1-8-11_n77 | 1 | 0.6 |
| | 8 | 0.6 |
| | 11 | 0.4 |
| | n77 | 0.8 |
| DC_1-8-11_n78 | 1 | 0.3 |
| | 8 | 0.6 |
| | 11 | 0.4 |
| | n78 | 0.8 |
| DC_1-8-20_n78 | 1 | 0.3 |
| | 8 | 0.6 |
| | 20 | 0.6 |
| | n78 | 0.8 |
| DC_1-8_n28-n77 | 1 | 0.6 |
| | 8 | 0.6 |
| | n28 | 0.6 |
| | n77 | 0.8 |
| DC_1-8-40_n78 | 1 | 0.6 |
| | 8 | 0.6 |
| | 40 | 0.3[9] |
| | n78 | 0.8[9] |
| DC_1-8-42_n28 | 1 | 0.3 |
| | 8 | 0.6 |
| | 42 | 0.8 |
| | n28 | 0.8 |
| DC_1-8_n40-n78 | 1 | 0.5 |
| | 8 | 0.3 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_1-8-42_n77 | 1 | 0.6 |
| | 8 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-11_n3-n28 | 1 | 0.3 |
| | 11 | 0.8 |
| | n3 | 0.9 |
| | n28 | 0.6 |
| DC_1-11-18_n77 | 1 | 0.6 |
| | 11 | 0.4 |
| | 18 | 0.3 |
| | n77 | 0.8 |
| DC_1-11-18_n78 | 1 | 0.3 |
| | 11 | 0.4 |
| | 18 | 0.3 |
| | n78 | 0.8 |
| DC_1-18_n3-n41 | 1 | 0.3 |
| | 18 | 0.3 |
| | n3 | 0.3 |
| | n41 | 0.3[1] |
| DC_1-18_n3-n77 | 1 | 0.6 |
| | 18 | 0.3 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_1-18_n3-n78 | 1 | 0.6 |
| | 18 | 0.3 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-18_n28-n41 | 1 | 0.3 |
| | 18 | 0.3 |
| | n28 | 0.5 |
| | n41 | 0.3[1] |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-18-28_n77<br>DC_1-18_n28-n77 | 1 | 0.3 |
| | 18 | 0.5 |
| | 28 | 0.5 |
| | n77 | 0.8 |
| DC_1-18-28_n78<br>DC_1-18_n28-n78 | 1 | 0.3 |
| | 18 | 0.5 |
| | 28 | 0.5 |
| | n78 | 0.8 |
| DC_1-18-28_n79 | 1 | 0.3 |
| | 18 | 0.5 |
| | 28 | 0.5 |
| DC_1-18-41_n3 | 1 | 0.5 |
| | 18 | 0.3 |
| | 41 | 0.3[7]/0.8[8] |
| | n3 | 0.5 |
| DC_1-18-41_n77<br>DC_1-18_n41-n77 | 1 | 0.6 |
| | 18 | 0.3 |
| | 41/n41 | 0.5 |
| | n77 | 0.8 |
| DC_1-18-41_n78<br>DC_1-18_n41-n78 | 1 | 0.5 |
| | 18 | 0.3 |
| | 41/n41 | 0.5 |
| | n78 | 0.8 |
| DC_1-18-41_n3 | 1 | 0.5 |
| | 18 | 0.3 |
| | 41 | 0.3[4]/0.8[5] |
| | n3 | 0.5 |
| DC_1-18-42_n77 | 1 | 0.3 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-18-42_n78 | 1 | 0.3 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-18-42_n79 | 1 | 0.3 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| DC_1-19-42_n77 | 1 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-19-42_n78 | 1 | 0.3 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-19-42_n79 | 1 | 0.3 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| DC_1-19_n77-n79 | 1 | 0.3 |
| | 19 | 0.3 |
| | n77 | 0.8 |
| DC_1-19_n78-n79 | 1 | 0.3 |
| | 19 | 0.3 |
| | n78 | 0.8 |
| DC_1-20_n3-n38 | 1 | 0.5 |
| | 20 | 0.3 |
| | n3 | 0.3 |
| | n38 | 0.5 |
| DC_1-20_n3-n78 | 1 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 20 | 0.6 |
| | n3 | 0.3 |
| | n78 | 0.8 |
| DC_1-20_n28-n78 | 1 | 0.3 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_1-20-32_n3 | 1 | 0.5 |
| | 20 | 0.3 |
| | n3 | 0.5 |
| DC_1-20_(n)38 | 1 | 0.5 |
| | 20 | 0.3 |
| | 38 | 0.5 |
| | n38 | 0.5 |
| DC_1-20-38_n78 | 1 | 0.3 |
| | 20 | 0.6 |
| | n78 | 0.8 |
| DC_1-20_n41-n78 | 1 | 0.5 |
| | 20 | 0.3 |
| | n41 | 0.5 |
| | n78 | 0.8 |
| DC_1-21-28_n77 | 1 | 0.6 |
| | 21 | 0.4 |
| | 28 | 0.6 |
| | n77 | 0.8 |
| DC_1-21-28_n78 | 1 | 0.3 |
| | 21 | 0.4 |
| | 28 | 0.6 |
| | n78 | 0.8 |
| DC_1-21-28_n79 | 1 | 0.3 |
| | 21 | 0.4 |
| | 28 | 0.6 |
| DC_1-21-42_n77 | 1 | 0.6 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-21-42_n78 | 1 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-21-42_n79 | 1 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| DC_1-21_n77-n79 | 1 | 0.3 |
| | 21 | 0.3 |
| | n77 | 0.8 |
| DC_1-21_n78-n79 | 1 | 0.3 |
| | 21 | 0.3 |
| | n78 | 0.8 |
| DC_1-28_n3-n77 | 1 | 0.6 |
| | 28 | 0.6 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_1-28_n3-n78 | 1 | 0.6 |
| | 28 | 0.6 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-28_n7-n78 | 1 | 0.6 |
| | 28 | 0.6 |
| | n7 | 0.6 |
| | n78 | 0.8 |
| DC_1-28_n40-n78 | 1 | 0.5 |
| | 28 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n40 | 0.3[6] |
| | n78 | 0.8[6] |
| DC_1-28-42_n77 | 1 | 0.6 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-28-42_n78 | 1 | 0.3 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-28-42_n79 | 1 | 0.3 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| DC_1-41_n3-n41 | 1 | 0.5 |
| | 41 | 0.3[4]/0.8[5] |
| | n3 | 0.5 |
| | n41 | 0.3[4]/0.8[5] |
| DC_1-41_n3-n77 | 1 | 0.6 |
| | 41 | 0.3[4]/0.8[5] |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_1-41_n3-n78 | 1 | 0.6 |
| | 41 | 0.3[4]/0.8[5] |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-41_n28-n41 | 1 | 0.5 |
| | 41 | 0.3[4]/0.8[5] |
| | n28 | 0.5 |
| | n41 | 0.3[4]/0.8[5] |
| DC_1-41_n28-n77 | 1 | 0.6 |
| | 41 | 0.5 |
| | n28 | 0.5 |
| | n77 | 0.8 |
| DC_1-41_n28-n78 | 1 | 0.5 |
| | 41 | 0.5 |
| | n28 | 0.5 |
| | n78 | 0.8 |
| DC_1-41_n41-n77 | 1 | 0.5 |
| | 41 | 0.5 |
| | n41 | 0.5 |
| | n77 | 0.8 |
| DC_1-41_n41-n78 | 1 | 0.5 |
| | 41 | 0.5 |
| | n41 | 0.5 |
| | n78 | 0.8 |
| DC_1-41-42_n77 | 1 | 0.5 |
| | 41 | 0.5 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-41-42_n78 | 1 | 0.5 |
| | 41 | 0.5 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-41-42_n79 | 1 | 0.5 |
| | 41 | 0.5 |
| | 42 | 0.8 |
| DC_1-42_n77-n79 | 1 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-42_n28-n77 | 1 | 0.6 |
| | 42 | 0.8 |
| | n28 | 0.8 |
| | n77 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-42_n78-n79 | 1 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_2-4-7_n28 | 2 | 0.5 |
| | 4 | 0.5 |
| | 7 | 0.5 |
| | n28 | 0.6 |
| DC_2-5-7_n7 | 2 | 0.5 |
| | 5 | 0.3 |
| | 7 | 0.5 |
| | n7 | 0.5 |
| DC_2-5-7_n66<br>DC_2-5-7-7_n66 | 2 | 0.5 |
| | 5 | 0.3 |
| | 7 | 0.5 |
| | n66 | 0.5 |
| DC_2-5_(n)12 | 2 | 0.3 |
| | 5 | 0.8 |
| | 12 | 0.4 |
| | n12 | 0.4 |
| DC_2-12_(n)5 | 5 | 0.5 |
| | 12 | 0.3 |
| | n5 | 0.5 |
| DC_2-5-48_n12 | 2 | 0.6 |
| | 5 | 0.8 |
| | 48 | 0.8 |
| | n12 | 0.4 |
| DC_2-5-48_n71 | 2 | 0.6 |
| | 5 | 0.5 |
| | 48 | 0.8 |
| | n71 | 0.5 |
| DC_2-5-66_n2 | 2 | 0.5 |
| | 5 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_2-5-66_n5 | 2 | 0.5 |
| | 5 | 0.3 |
| | 66 | 0.5 |
| | n5 | 0.3 |
| DC_2-5-66_n7 | 2 | 0.5 |
| | 5 | 0.3 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-5-66_n12 | 2 | 0.3 |
| | 5 | 0.5 |
| | 66 | 0.5 |
| | n12 | 0.3 |
| DC_2-5-66_n66<br>DC_2-5-5-66_n66<br>DC_2-5-66-66_n66<br>DC_2-2-5-66-66_n66<br>DC_2-5-5-66-66_n66 | 2 | 0.5 |
| | 5 | 0.3 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-5-66_n71 | 2 | 0.5 |
| | 5 | 0.5 |
| | 66 | 0.5 |
| | n71 | 0.5 |
| DC_2-5-66_n77<br>DC_2-2-5-66_n77<br>DC_2-5-66-66_n77 | 2 | 0.5 |
| | 5 | 0.3 |
| | 66 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n77 | 0.8 |
| DC_2-7_n38-n66<br>DC_2-7-7_n38-n66 | 2 | 0.5 |
| | n66 | 0.5 |
| DC_2-7_n38-n78<br>DC_2-7-7_n38-n78 | 2 | 0.6 |
| | n78 | 0.8 |
| DC_2-7-13_n66<br>DC_2-7-7-13_n66 | 2 | 0.5 |
| | 7 | 0.5 |
| | 13 | 0.3 |
| | n66 | 0.5 |
| DC_2-7-28_n7 | 2 | 0.5 |
| | 7 | 0.5 |
| | 28 | 0.3 |
| | n7 | 0.5 |
| DC_2-7-28_n66 | **2** | **0.5** |
| | 7 | 0.5 |
| | 28 | 0.6 |
| | n66 | 0.5 |
| DC_2-7-66_n7<br>DC_2-7-66-66_n7 | 2 | 0.5 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-7-66_n28 | 2 | 0.5 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n28 | 0.6 |
| DC_2-7-66_n38<br>DC_2-2-7-66_n38 | 2 | 0.5 |
| | 66 | 0.5 |
| DC_2-7-66_n66, DC_2-7-7-66_n66 | 2 | 0.5 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | |
| DC_2-7-66_n71 | 2 | 0.5 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n71 | 0.3 |
| DC_2-7-66_n77 | 2 | 0.6 |
| | 7 | 0.5 |
| | 66 | 0.6 |
| | n77 | 0.8 |
| DC_2-7-66_n78<br>DC_2-7_n66-n78<br>DC_2-7-7_n66-n78 | 2 | 0.6 |
| | 7 | 0.5 |
| | 66 | 0.6 |
| | n78 | 0.8 |
| DC_2-12-30_n2 | 2 | 0.5 |
| | 12 | 0.3 |
| | 30 | 0.3 |
| | n2 | 0.5 |
| DC_2-12-30_n66 | 2 | 0.5 |
| | 12 | 0.8 |
| | 30 | 0.3 |
| | n66 | 0.5 |
| DC_2-12-48_n5 | 2 | 0.6 |
| | 12 | 0.4 |
| | 48 | 0.8 |
| | n5 | 0.8 |
| DC_2-12-66_n5 | 2 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 12 | 0.8 |
| | 66 | 0.5 |
| | n5 | 0.8 |
| DC_2-12-66_n2 | 2 | 0.5 |
| | 12 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_2-12-66_n66 | 2 | 0.5 |
| | 12 | 0.8 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-13-66_n2 | 2 | 0.5 |
| | 13 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_2-13-66_n5 | 2 | 0.5 |
| | 13 | 0.3 |
| | 66 | 0.5 |
| | n5 | 0.3 |
| DC_2-13-66_n48 | 2 | 0.6 |
| | 13 | 0.3 |
| | 66 | 0.6 |
| | n48 | 0.8 |
| DC_2-13-66_n66 | 2 | 0.5 |
| | 13 | 0.3 |
| | 66 | 0.5 |
| | n66 | |
| DC_2-13-66_n77<br>DC_2-2-13-66_n77<br>DC_2-13-66-66_n77 | 2 | 0.5 |
| | 13 | 0.3 |
| | 66 | 0.5 |
| | n77 | 0.8 |
| DC_2-13_n66-n77 | 2 | 0.6 |
| | 13 | 0.3 |
| | n66 | 0.6 |
| | n77 | 0.8 |
| DC_2-14-66_n2<br>DC_2-14-66-66_n2 | 2 | 0.5 |
| | 14 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_2-14-66_n66<br>DC_2-2-14-66_n66 | 2 | 0.5 |
| | 14 | 0.3 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-28-66_n7 | 2 | 0.5 |
| | 28 | 0.6 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-28-66_n66 | 2 | 0.5 |
| | 28 | 0.6 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-29-30_n2 | 2 | 0.5 |
| | 30 | 0.3 |
| | n2 | 0.5 |
| DC_2-29-66_n2<br>DC_2-29-66-66_n2 | 2 | 0.5 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_2-29-66_n66 | 2 | 0.5 |
| | 66 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n66 | 0.5 |
| DC_2-30-66_n2<br>DC_2-30-66-66_n2 | 2 | 0.5 |
| | 30 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_2-30-66_n5 | 2 | 0.5 |
| | 30 | 0.3 |
| | 66 | 0.5 |
| | n5 | 0.3 |
| DC_2-30-66_n66 | 2 | 0.5 |
| | 30 | 0.3 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-46_n41-n66 | 2 | 0.5 |
| | n41 | 0.5 |
| | n66 | 0.5 |
| DC_2-46_n41-n71 | 2 | 0.5 |
| | n41 | 0.5 |
| | n71 | 0.6 |
| DC_2-46-48_n5 | 2 | 0.6 |
| | 48 | 0.8 |
| | n5 | 0.3 |
| DC_2-46-48_n66 | 2 | 0.6 |
| | 48 | 0.8 |
| | n66 | 0.6 |
| DC_2-46-66_n41 | 2 | 0.5 |
| | 66 | 0.5 |
| | n41 | 0.8[1] |
| | | 1.3[2] |
| DC_2-46-66_n71 | 66 | 0.3 |
| | n71 | 0.3 |
| DC_2-48-66_n77 | 2 | 0.6 |
| | 48 | 0.8 |
| | 66 | 0.6 |
| | n77 | 0.8 |
| DC_2-48_n48-n66 | 2 | 0.6 |
| | 48 | 0.8 |
| | n48 | 0.8 |
| | n66 | 0.6 |
| DC_2-48_(n)5 | 2 | 0.6 |
| | 5 | 0.3 |
| | 48 | 0.8 |
| | n5 | 0.3 |
| DC_2-46_n66_n71 | 2 | 0.5 |
| | n66 | 0.5 |
| | n71 | 0.3 |
| DC_2-48-66_n5 | 2 | 0.6 |
| | 48 | 0.8 |
| | 66 | 0.6 |
| DC_2-48-66_n12 | 2 | 0.6 |
| | 48 | 0.8 |
| | 66 | 0.6 |
| | n12 | 0.3 |
| DC_2-48-66_n71 | 2 | 0.6 |
| | 48 | 0.8 |
| | 66 | 0.6 |
| | n71 | 0.3 |
| DC_2-66_(n)5 | 2 | 0.5 |
| | 5 | 0.3 |
| | 66 | 0.5 |
| | n5 | 0.3 |
| DC_2-66_n5-n77 | 2 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 66 | 0.6 |
| | n5 | 0.3 |
| | n77 | 0.8 |
| DC_2-66-71_n38<br>DC_2-2-66-71_n38 | 2 | 0.5 |
| | 66 | 0.5 |
| | 71 | 0.3 |
| | n38 | 0.5 |
| DC_2-66_n38-n78 | 2 | 0.6 |
| | 66 | 0.6 |
| | n38 | 0.9 |
| | n78 | 0.8 |
| DC_2-66-71_n66 | 2 | 0.5 |
| | 66 | 0.5 |
| | 71 | 0.3 |
| | n66 | 0.5 |
| DC_2-66-71_n71 | 2 | 0.5 |
| | 66 | 0.5 |
| | 71 | 0.3 |
| | n71 | |
| DC_2-66-71_n78<br>DC_2-2-66-71_n78 | 2 | 0.5 |
| | 66 | 0.5 |
| | 71 | 0.3 |
| | n78 | 0.5 |
| DC_2-66-(n)71 | 2 | 0.5 |
| | 66 | 0.5 |
| | 71 | 0.3 |
| | n71 | |
| DC_2-66_n41-n71 | 2 | 0.5 |
| | 66 | 0.5 |
| | n41 | 0.8[1] |
| | | 1.3[2] |
| | n71 | 0.8 |
| DC_2-66_n66-n77 | 2 | 0.6 |
| | 66 | 0.6 |
| | n66 | 0.6 |
| | n77 | 0.8 |
| DC_2-66_n66-n78 | 2 | 0.6 |
| | 66 | 0.6 |
| | n66 | 0.6 |
| | n78 | 0.8 |
| DC_3-5-7_n78, DC_3-5-7-7_n78 | 3 | 0.6 |
| | 5 | 0.6 |
| | 7 | 0.6 |
| | n78 | 0.8 |
| DC_3-5-41_n79 | 3 | 0.5 |
| | 5 | 0.3[3] |
| | 41 | 0.3[4]/0.8[5] |
| DC_3-7_n1-n40 | 3 | 0.6 |
| | 7 | 0.8 |
| | n1 | 0.6 |
| | n40 | 0.9 |
| DC_3-7_n1-n78 | 3 | 0.7 |
| | 7 | 0.7 |
| | n1 | 0.7 |
| | n78 | 0.8 |
| DC_3-7-8_n1<br>DC_3-3-7-8_n1<br>DC_3-7-7-8_n1<br>DC_3-3-7-7-8_n1 | 3 | 0.6 |
| | 7 | 0.6 |
| | 8 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n1 | 0.6 |
| DC_3-7-8_n28 | 3 | 0.5 |
| | 7 | 0.5 |
| | 8 | 0.6 |
| | n28 | 0.5 |
| DC_3-7-8_n40 | 3 | 0.5 |
| | 7 | 0.5 |
| | 8 | 0.6 |
| | n40 | 0.6 |
| DC_3-7-8_n77 | 3 | 0.6 |
| | 7 | 0.6 |
| | 8 | 0.6 |
| | n77 | 0.8 |
| DC_3-7-8_n78<br>DC_3-3-7-8_n78<br>DC_3-7-7-8_n78<br>DC_3-3-7-7-8_n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | 8 | 0.6 |
| | n78 | 0.8 |
| DC_3-7_n7-n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | n7 | 0.6 |
| | n78 | 0.8 |
| DC_3-7-20_n1 | 3 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.3 |
| | n1 | 0.6 |
| DC_3-7-20_n8 | 3 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.6 |
| | n8 | 0.6 |
| DC_3-7-20_n28 | 3 | 0.5 |
| | 7 | 0.5 |
| | 20 | 0.6 |
| | n28 | 0.5 |
| DC_3-7-20_n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.3 |
| | n78 | 0.8 |
| DC_3-7-28_n1 | 3 | 0.6 |
| | 7 | 0.6 |
| | 28 | 0.5 |
| | n1 | 0.6 |
| DC_3-7-28_n5 | 3 | 0.5 |
| | 7 | 0.5 |
| | 28 | 0.4 |
| | n5 | 0.4 |
| DC_3-7-28_n7 | 3 | 0.5 |
| | 7 | 0.5 |
| | 28 | 0.3 |
| | n7 | 0.5 |
| DC_3-7-28_n40 | 3 | 0.6 |
| | 7 | 0.8 |
| | 28 | 0.3 |
| | n40 | 0.9 |
| DC_3-7-28_n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | 28 | 0.6 |
| | n78 | 0.8 |
| DC_3-7_n28-n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_3-7-40_n1 | 3 | 0.6 |
| | 7 | 0.8 |
| | 40 | 0.9 |
| | n1 | 0.6 |
| DC_3-7-40_n78 | 3 | 0.6 |
| | 7 | 0.5 |
| | 40 | 0.3[9] |
| | n78 | 0.8[9] |
| DC_3-7_n40-n78 | 3 | 0.6 |
| | 7 | 0.5 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_3-7_SUL_n78-n80 | 7 | 0.6 |
| | 3, n80 | 0.6 |
| | n78 | 0.8 |
| DC_3-8_n1-n78<br>DC_3-3-8_n1-n78 | 3 | 0.6 |
| | 8 | 0.6 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_3-8-11_n28 | 3 | 0.8 |
| | 8 | 0.6 |
| | 11 | 0.9 |
| | n28 | 0.6 |
| DC_3-8-11_n77 | 3 | 0.8 |
| | 8 | 0.6 |
| | 11 | 0.9 |
| | n77 | 0.8 |
| DC_3-8-20_n78 | 3 | 0.6 |
| | 8 | 0.6 |
| | 20 | 0.6 |
| | n78 | 0.8 |
| DC_3-8_n28-n77 | 3 | 0.6 |
| | 8 | 0.6 |
| | n28 | 0.5 |
| | n77 | 0.8 |
| DC_3-8-40_n1 | 3 | 0.5 |
| | 8 | 0.5 |
| | 40 | 0.6 |
| | n1 | 0.5 |
| DC_3-8-40_n78 | 3 | 0.6 |
| | 8 | 0.6 |
| | 40 | 0.3[9] |
| | n78 | 0.8[9] |
| DC_3-8_n40-n78 | 3 | 0.6 |
| | 8 | 0.3 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_3-8-42_n77 | 3 | 0.6 |
| | 8 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_3-8_SUL_n78-n80 | 3, n80 | 0.6 |
| | 8 | 0.6 |
| | n78 | 0.8 |
| DC_3-18_n3-n41 | 3 | 0.6 |
| | 18 | 0.3 |
| | n3 | 0.6 |
| | n41 | 0.3[4] |
| DC_3-18_n3-n77 | 3 | 0.6 |
| | 18 | 0.3 |
| | n3 | 0.6 |
| | n77 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_3-18_n3-n78 | 3 | 0.6 |
| | 18 | 0.3 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_3-18_n28-n41 | 3 | 0.6 |
| | 18 | 0.3 |
| | n28 | 0.5 |
| | n41 | 0.3[1] |
| DC_3-18_n28-n77 | 3 | 0.6 |
| | 18 | 0.3 |
| | n28 | 0.5 |
| | n77 | 0.8 |
| DC_3-18_n28-n78 | 3 | 0.6 |
| | 18 | 0.3 |
| | n28 | 0.5 |
| | n78 | 0.8 |
| DC_3-18_n41-n77 | 3 | 0.6 |
| | 18 | 0.3 |
| | n41 | 0.5 |
| | n77 | 0.8 |
| DC_3-18_n41-n78 | 3 | 0.6 |
| | 18 | 0.3 |
| | n41 | 0.6 |
| | n78 | 0.8 |
| DC_3-18-42_n77 | 3 | 0.3 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_3-18-42_n78 | 3 | 0.3 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_3-18-42_n79 | 3 | 0.6 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| DC_3-19_n1-n77 | 3 | 0.6 |
| | 19 | 0.3 |
| | n1 | 0.6 |
| | n77 | 0.8 |
| DC_3-19_n1-n78 | 3 | 0.6 |
| | 19 | 0.3 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_3-19_n1-n79 | 3 | 0.3 |
| | 19 | 0.3 |
| | n1 | 0.3 |
| DC_3-19-21_n77 | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| | n77 | 0.8 |
| DC_3-19-21_n78 | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| | n78 | 0.8 |
| DC_3-19-21_n79 | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| DC_3-19-42_n1 | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| DC_3-19-42_n77 | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n77 | 0.8 |
| DC_3-19-42_n78 | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_3-19-42_n79 | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| DC_3-19_n77-n79 | 3 | 0.6 |
| | 19 | 0.3 |
| | n77 | 0.8 |
| DC_3-19_n78-n79 | 3 | 0.6 |
| | 19 | 0.3 |
| | n78 | 0.8 |
| DC_3-20_n1-n7 | 3 | 0.6 |
| | 20 | 0.3 |
| | n1 | 0.6 |
| | n7 | 0.6 |
| DC_3-20_n1-n28 | 3 | 0.3 |
| | 20 | 0.3 |
| | n1 | 0.6 |
| | n28 | 0.6 |
| DC_3-20_n1-n28 | 3 | 0.6 |
| | 20 | 0.3 |
| | n1 | 0.6 |
| | n28 | 0.8 |
| DC_3-20_n7-n28 | 3 | 0.5 |
| | 20 | 0.5 |
| | n7 | 0.5 |
| | n28 | 0.5 |
| DC_3-20_n28-n78 | 3 | 0.6 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_3-20-32_n1 | 3 | 0.5 |
| | 20 | 0.3 |
| | n1 | 0.5 |
| DC_3-20-38_n78<br>DC_3-20_n38-n78 | 3 | 0.6 |
| | 20 | 0.6 |
| | 38 or n38 | 0.5 |
| | n78 | 0.8 |
| DC_3-20_n41-n78 | 3 | 0.5 |
| | 20 | 0.3 |
| | n41 | 0.5 |
| | n78 | 0.8 |
| DC_3_20_SUL_n78-n80 | 3, n80 | 0.5 |
| | 20 | 0.3 |
| | n78 | 0.8 |
| DC_3-21_n1-n77 | 3 | 0.8 |
| | 21 | 0.9 |
| | n1 | 0.6 |
| | n77 | 0.8 |
| DC_3-21_n1-n78 | 3 | 0.8 |
| | 21 | 0.9 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_3-21_n1-n79 | 3 | 0.8 |
| | 21 | 0.9 |
| | n1 | 0.3 |
| DC_3-21-42_n1 | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n1 | 0.6 |
| DC_3-21-42_n77 | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_3-21-42_n78 | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_3-21-42_n79 | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| DC_3-21_n77-n79 | 3 | 0.8 |
| | 21 | 0.9 |
| | n77 | 0.8 |
| DC_3-21_n78-n79 | 3 | 0.8 |
| | 21 | 0.9 |
| | n78 | 0.8 |
| DC_3-28_n1-n40 | 3 | 0.5 |
| | 28 | 0.6 |
| | n1 | 0.5 |
| | n40 | 0.5 |
| DC_3-28_n7-n78<br>DC_3-3-28_n7-n78 | 3 | 1 |
| | 28 | 0.5 |
| | n7 | 0.8 |
| | n78 | 0.8 |
| DC_3-28_n40-n78 | 3 | 0.6 |
| | 28 | 0.5 |
| | n40 | 0.3[6] |
| | n78 | 0.8[6] |
| DC_3-28-41_n78 | 3 | 1 |
| | 28 | 0.5 |
| | 41 | 0.3[4]/0.8[5] |
| | n78 | 0.8 |
| DC_3-28-42_n77 | 3 | 0.6 |
| | 28 | 0.5 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_3-28-42_n78 | 3 | 0.6 |
| | 28 | 0.5 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_3-28-42_n79 | 3 | 0.6 |
| | 28 | 0.5 |
| | 42 | 0.8 |
| DC_3-41_n3-n41 | 3 | 0.5 |
| | 41 | 0.3[3]/0.8[4] |
| | n3 | 0.5 |
| | n41 | 0.3[3]/0.8[4] |
| DC_3-41_n3-n77 | 3 | 0.6 |
| | 41 | 0.3[3]/0.8[4] |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_3-41_n3-n78 | 3 | 0.6 |
| | 41 | 0.3[3]/0.8[4] |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_3-41_n28-n41 | 3 | 0.6 |
| | 41 | 0.3[1]/0.8[2] |
| | n28 | 0.5 |
| | n41 | 0.3[1]/0.8[2] |
| DC_3-41_n28-n77 | 3 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 41 | 0.3[4]/0.8[5] |
| | n28 | 0.5 |
| | n77 | 0.8 |
| DC_3-41_n28-n78 | 3 | 1.0 |
| | 41 | 0.3[4]/0.8[5] |
| | n28 | 0.5 |
| | n78 | 0.8 |
| DC_3-41_n41-n77 | 3 | 0.6 |
| | 41 | 0.3[4]/0.8[5] |
| | n41 | 0.3[4]/0.8[5] |
| | n77 | 0.8 |
| DC_3-41_n41-n78 | 3 | 0.6 |
| | 41 | 0.3[4]/0.8[5] |
| | n41 | 0.3[4]/0.8[5] |
| | n78 | 0.8 |
| DC_3-41-42_n77 | 3 | 1 |
| | 41 | 0.3[4]/0.8[5] |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_3-41-42_n78 | 3 | 1 |
| | 41 | 0.3[4]/0.8[5] |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_3-41-42_n79 | 3 | 1 |
| | 41 | 0.3[4]/0.8[5] |
| | 42 | 0.8 |
| DC_3-42_n1-n77 | 3 | 0.6 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| | n77 | 0.8 |
| DC_3-42_n1-n78 | 3 | 0.6 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_3-42_n1-n79 | 3 | 0.6 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| DC_3-42_n28-n77 | 3 | 0.6 |
| | 42 | 0.8 |
| | n28 | 0.8 |
| | n77 | 0.8 |
| DC_3-42_n77-n79 | 3 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_3-42_n78-n79 | 3 | 0.6 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_5-7-66_n7<br>DC_5-7-66-66_n7 | 5 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_5-7-66_n66 | 5 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | |
| DC_5-48_(n)12 | 5 | 0.8 |
| | 12 | 0.4 |
| | 48 | 0.3 |
| | n12 | 0.8 |
| DC_5-48-66_n12 | 5 | 0.8 |
| | 48 | 0.8 |
| | 66 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n12 | 0.4 |
| DC_5-48-66_n71 | 5 | 0.5 |
| | 48 | 0.8 |
| | 66 | 0.6 |
| | n71 | 0.5 |
| DC_5-66_(n)12 | 5 | 0.3 |
| | 12 | 0.8 |
| | 66 | 0.8 |
| | n12 | 0.8 |
| DC_7-13-66_n66 | 7 | 0.5 |
| | 13 | 0.3 |
| | 66 | 0.5 |
| | n66 | |
| DC_7-8_n1-n78<br>DC_7-7-8_n1-n78 | 7 | 0.6 |
| | 8 | 0.6 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_7-8-40_n1 | 7 | 0.8 |
| | 8 | 0.6 |
| | 40 | 0.9 |
| | n1 | 0.6 |
| DC_7-8-40_n78 | 7 | 0.5 |
| | 8 | 0.6 |
| | 40 | 0.3[9] |
| | n78 | 0.8[9] |
| DC_7-8_n40-n78 | 7 | 0.5 |
| | 8 | 0.3 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_7-20_n1-n78 | 7 | 0.7 |
| | 20 | 0.4 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_7-20_n3-n78 | 7 | 0.5 |
| | 20 | 0.6 |
| | n3 | 0.5 |
| | n78 | 0.8 |
| DC_7-20_n28-n78 | 7 | 0.3 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_7-20-32_n28 | 7 | 0.3 |
| | 20 | 0.5 |
| | n28 | 0.7 |
| DC_7-28_n1-n40 | 7 | 0.3 |
| | 28 | 0.2 |
| | n1 | 0 |
| | n40 | 0.8 |
| DC_7-28_n3-n78 | 7 | 0.8 |
| | 28 | 0.5 |
| | n3 | 1 |
| | n78 | 0.8 |
| DC_7-28_n7-n78 | 7 | 0.3 |
| | 28 | 0.3 |
| | n7 | 0.3 |
| | n78 | 0.8 |
| DC_7-28-66_n7 | 7 | 0.5 |
| | 28 | 0.6 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_7-28-66_n66 | 7 | 0.5 |
| | 28 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_7-28_n40-n78 | 7 | 0.5 |
| | 28 | 0.3 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_7-66_n38-n78<br>DC_7-7-66_n38-n78 | 66 | 0.6 |
| | n78 | 0.8 |
| DC_7-66_n66-n78<br>DC_7-7-66_n66-n78 | 7 | 0.5 |
| | 66 | 0.6 |
| | n66 | 0.6 |
| | n78 | 0.8 |
| DC_8_n3-n28-n77 | 8 | 0.6 |
| | n3 | 0.6 |
| | n28 | 0.5 |
| | n77 | 0.8 |
| DC_8_n40-n41-n79 | 8 | 0.3 |
| | n40 | 0.3 |
| | n41 | 0.3 |
| DC_8-11_n3-n28 | 8 | 0.6 |
| | 11 | 0.8 |
| | n3 | 0.9 |
| | n28 | 0.6 |
| DC_8-42_n28-n77 | 8 | 0.6 |
| | 42 | 0.8 |
| | n28 | 0.8 |
| | n77 | 0.8 |
| DC_12-30-66_n2 | 12 | 0.8 |
| | 30 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_12-30-66_n66 | 12 | 0.8 |
| | 30 | 0.3 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_12-48_(n)5 | 5 | 0.8 |
| | 12 | 0.4 |
| | 48 | 0.3 |
| | n5 | 0.8 |
| DC_12-48-66_n5 | 12 | 0.8 |
| | 48 | 0.8 |
| | 66 | 0.8 |
| | n5 | 0.3 |
| DC_12-66_(n)5 | 5 | 0.3 |
| | 12 | 0.8 |
| | 66 | 0.8 |
| | n5 | 0.3 |
| DC_13-66_n2-n77 | 13 | 0.3 |
| | 66 | 0.6 |
| | n2 | 0.6 |
| | n77 | 0.8 |
| DC_13-66_n5-n48 | 13 | 0.4 |
| | 66 | 0.6 |
| | n5 | 0.8 |
| | n48 | 0.8 |
| DC_13-66_n66-n77 | 13 | 0.3 |
| | 66 | 0.6 |
| | n66 | 0.6 |
| | n77 | 0.8 |
| DC_18-41_n3-n77 | 18 | 0.3 |
| | 41 | 0.3[4]/0.8[5] |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_18-41_n3-n78 | 18 | 0.3 |
| | 41 | 0.3[4]/0.8[5] |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_19-21_n1-n77 | 19 | 0.3 |
| | 21 | 0.4 |
| | n1 | 0.3 |
| | n77 | 0.8 |
| DC_19-21_n1-n78 | 19 | 0.3 |
| | 21 | 0.4 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_19-21_n1-n79 | 19 | 0.3 |
| | 21 | 0.4 |
| | n1 | 0.3 |
| DC_19-21-42_n1 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| DC_19-21-42_n77 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_19-21-42_n78 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_19-21-42_n79 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| DC_19-21_n77-n79 | 19 | 0.3 |
| | 21 | 0.4 |
| | n77 | 0.8 |
| DC_19-21_n78-n79 | 19 | 0.3 |
| | 21 | 0.4 |
| | n78 | 0.8 |
| DC_19-42_n1-n77 | 19 | 0.3 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| | n77 | 0.8 |
| DC_19-42_n1-n78 | 19 | 0.3 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| | n78 | 0.8 |
| DC_19-42_n1-n79 | 19 | 0.3 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| DC_19-42_n77-n79 | 19 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_19-42_n78-n79 | 19 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_21-28-42_n77 | 21 | 0.4 |
| | 28 | 0.5 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_21-28-42_n78 | 21 | 0.4 |
| | 28 | 0.5 |
| | 42 | 0.8 |
| | n78 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_21-28-42_n79 | 21 | 0.4 |
| | 28 | 0.5 |
| | 42 | 0.8 |
| DC_21-42_n1-n77 | 21 | 0.4 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| | n77 | 0.8 |
| DC_21-42_n1-n78 | 21 | 0.4 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| | n78 | 0.8 |
| DC_21-42_n1-n79 | 21 | 0.4 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| DC_21-42_n77-n79 | 21 | 0.4 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_21-42_n78-n79 | 21 | 0.4 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_28-41-42_n78 | 28 | 0.5 |
| | 41 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_29-30-66_n2<br>DC_29-30-66-66_n2 | 30 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_29-30-66_n66 | 30 | 0.3 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_46-66_n25-n41 | 66 | 0.5 |
| | n25 | 0.5 |
| | n41 | 0.4[1] |
| | | 0.9[2] |
| DC_46-66_n25-n71 | 66 | 0.5 |
| | n25 | 0.5 |
| | n71 | 0.3 |
| DC_46-66_n41-n71 | 66 | 0.5 |
| | n41 | 0.4[1] |
| | | 0.9[2] |
| | n71 | 0.6 |
| DC_48-66_n25-n48 | 48 | 0.8 |
| | 66 | 0.6 |
| | n25 | 0.6 |
| | n48 | 0.8 |

NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz.
NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz.
NOTE 3: The values in the table reflect what can be achieved with the present state of the art technology. They shall be reconsidered when the state of the art technology progresses.
NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2515 – 2690 MHz.
NOTE 5: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.
NOTE 6: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx.
NOTE 7: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz.
NOTE 8: The requirement is applied for UE transmitting on the frequency range of 2496 - 2515 MHz.
NOTE 9: Only applicable for UE supporting inter-band carrier aggregation with uplink in one NR band and without simultaneous Rx/Tx

6.2B.4.2.3.4 $\Delta T_{IB,c}$ for EN-DC five bands

**Table 6.2B.4.2.3.4-1: $\Delta T_{IB,c}$ due to EN-DC (five bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3-5-7_n78, DC_1-3-5-7-7_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 5 | 0.6 |
| | 7 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-5-41_n79 | 1 | 0.5 |
| | 3 | 0.5 |
| | 5 | 0.3 |
| | 41 | 0.5[1] |
| | | 0.8[2] |
| DC_1-3-7_n7-n78 | 1 | 0.7 |
| | 3 | 0.7 |
| | 7 | 0.7 |
| | n7 | 0.7 |
| | n78 | 0.8 |
| DC_1-3-7-8_n28 | 1 | 0.5 |
| | 3 | 0.5 |
| | 7 | 0.6 |
| | 8 | 0.6 |
| | n28 | 0.6 |
| DC_1-3-7-8_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | 8 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-7-20_n8 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.6 |
| | n8 | 0.6 |
| DC_1-3-7-20_n28 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| DC_1-3-7-20_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.6 |
| | n78 | 0.6 |
| DC_1-3-7-28_n5 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | 28 | 0.6 |
| | n5 | 0.6 |
| DC_1-3-7-28_n7 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.6 |
| | 28 | 0.6 |
| | n7 | 0.6 |
| DC_1-3-7-28_n40 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.8 |
| | 28 | 0.6 |
| | n40 | 0.9 |
| DC_1-3-7-28_n78 | 1 | 0.7 |
| | 3 | 0.7 |
| | 7 | 0.7 |
| | 28 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-7_n28-n78 | 1 | 0.7 |
| | 3 | 0.7 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 7 | 0.7 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-7-40_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.5 |
| | 40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_1-3-8-40_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 8 | 0.6 |
| | 40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_1-3-7_n40-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.8 |
| | n40 | 0.9 |
| | n78 | 0.8 |
| DC_1-3-8_n28-n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 8 | 0.6 |
| | n28 | 0.6 |
| | n77 | 0.8 |
| DC_1-3-8-42_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 8 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-3-18_n3-n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 18 | 0.3 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_1-3-18_n3-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 18 | 0.3 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-18_n28-n77 | 1 | 0.3 |
| | 3 | 0.3 |
| | 18 | 0.3 |
| | n28 | 0.6 |
| | n77 | 0.8 |
| DC_1-3-18_n28-n77 | 1 | 0.3 |
| | 3 | 0.3 |
| | 18 | 0.3 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-18-42_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-3-18-42_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-3-18-42_n79 | 1 | 0.6 |
| | 3 | 0.6 |
| | 18 | 0.3 |
| | 42 | 0.8 |
| DC_1-3-19-21_n77 | 1 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| | n77 | 0.8 |
| DC_1-3-19-21_n78 | 1 | 0.6 |
| | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| | n78 | 0.8 |
| DC_1-3-19-21_n79 | 1 | 0.3 |
| | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| DC_1-3-19-42_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-3-19-42_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-3-19-42_n79 | 1 | 0.6 |
| | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| DC_1-3-20_n28-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-20-38_n78<br>DC_1-3-20_n38-n78 | 1 | 0.3 |
| | 3 | 0.6 |
| | 20 | 0.6 |
| | 38 or n38 | 0.5 |
| | n78 | 0.8 |
| DC_1-3-20_n41-n78 | 1 | 0.5 |
| | 3 | 0.5 |
| | 20 | 0.3 |
| | n41 | 0.5 |
| | n78 | 0.8 |
| DC_1-3-21-42_n77 | 1 | 0.6 |
| | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n77 | 0.6 |
| DC_1-3-21-42_n78 | 1 | 0.6 |
| | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n78 | 0.6 |
| DC_1-3-21-42_n79 | 1 | 0.6 |
| | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| DC_1-3-21_n77-n79 | 1 | 0.6 |
| | 3 | 0.8 |
| | 21 | 0.9 |
| | n77 | 0.8 |
| DC_1-3-21_n78-n79 | 1 | 0.6 |
| | 3 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 21 | 0.9 |
| | n78 | 0.8 |
| DC_1-3-28_n7-n78 | 1 | 0.7 |
| | 3 | 0.7 |
| | 28 | 0.6 |
| | n7 | 0.7 |
| | n78 | 0.8 |
| DC_1-3-28_n40-n78 | 1 | 0.5 |
| | 3 | 0.6 |
| | 28 | 0.5 |
| | n40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_1-3-28-42_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-3-28-42_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-3-28-42_n79 | 1 | 0.6 |
| | 3 | 0.6 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| DC_1-3-41_n3-n41 | 1 | 0.5 |
| | 3 | 0.5 |
| | 41 | 0.3[3]/0.8[4] |
| | n3 | 0.5 |
| | n41 | 0.3[3]/0.8[4] |
| DC_1-3-41_n3-n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 | 0.5 |
| | n3 | 0.6 |
| | n77 | 0.8 |
| DC_1-3-41_n3-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 | 0.5 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-41_n28-n41 | 1 | 0.3 |
| | 3 | 0.3 |
| | 41 | 0.3[3]/0.8[4] |
| | n28 | 0.6 |
| | n41 | 0.3[3]/0.8[4] |
| DC_1-3-41_n28-n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 | 0.3[3] |
| | | 0.8[4] |
| | n28 | 0.5 |
| | n77 | 0.8 |
| DC_1-3-41_n28-n78 | 1 | 0.5 |
| | 3 | 0.6 |
| | 41 | 0.3[3] |
| | | 0.8[4] |
| | n28 | 0.5 |
| | n78 | 0.8 |
| DC_1-3-41_n41-n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 | 0.5 |
| | n41 | 0.5 |
| | n77 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3-41_n41-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 | 0.5 |
| | n41 | 0.5 |
| | n78 | 0.8 |
| DC_1-3-41-42_n77 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 | 0.5 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-3-41-42_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 | 0.5 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-3-41-42_n79 | 1 | 0.6 |
| | 3 | 0.6 |
| | 41 | 0.5 |
| | 42 | 0.8 |
| DC_1-7-8-40_n78 | 1 | 0.6 |
| | 7 | 0.5 |
| | 8 | 0.6 |
| | 40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_1-7-20_n3-n78 | 1 | 0.3 |
| | 7 | 0.5 |
| | 20 | 0.6 |
| | n3 | 0.5 |
| | n78 | 0.8 |
| DC_1-7-20_n28-n78 | 1 | 0.6 |
| | 7 | 0.7 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_1-7-20-32_n28 | 1 | 0.5 |
| | 7 | 0.6 |
| | 20 | 0.6 |
| | n28 | 0.7 |
| DC_1-7-20-32_n78 | 1 | 0.6 |
| | 7 | 0.7 |
| | 20 | 0.4 |
| | n78 | 0.8 |
| DC_1-7-28_n7-n78 | 1 | 0.6 |
| | 7 | 0.6 |
| | 28 | 0.6 |
| | n7 | 0.6 |
| | n78 | 0.8 |
| DC_1-7-28_n40-n78 | 1 | 0.6 |
| | 7 | 0.5 |
| | 28 | 0.3 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_1-8-42_n28-n77 | 1 | 0.6 |
| | 8 | 0.6 |
| | 42 | 0.8 |
| | n28 | 0.8 |
| | n77 | 0.8 |
| DC_1-18-41_n3-n77 | 1 | 0.6 |
| | 18 | 0.3 |
| | 41 | 0.3[3] |
| | | 0.8[4] |
| | n3 | 0.6 |
| | n77 | 0.8 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-18-41_n3-n78 | 1 | 0.6 |
| | 18 | 0.3 |
| | 41 | 0.3[3] |
| | | 0.8[4] |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-19-21-42_n77 | 1 | 0.3 |
| | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-19-21-42_n78 | 1 | 0.3 |
| | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-19-21-42_n79 | 1 | 0.3 |
| | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| DC_1-19-42_n77-n79 | 1 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-19-42_n78-n79 | 1 | 0.3 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-20-38_n3-n78 | 1 | 0.5 |
| | 20 | 0.6 |
| | 38 | 0.5 |
| | n3 | 0.6 |
| | n78 | 0.8 |
| DC_1-21-28-42_n77 | 1 | 0.6 |
| | 21 | 0.4 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-21-28-42_n78 | 1 | 0.3 |
| | 21 | 0.4 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_1-21-28-42_n79 | 1 | 0.3 |
| | 21 | 0.4 |
| | 28 | 0.6 |
| | 42 | 0.8 |
| DC_1-21-42_n77-n79 | 1 | 0.6 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_1-21-42_n78-n79 | 1 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_2-5-7-66_n7<br>DC_2-5-7-66-66_n7 | 2 | 0.5 |
| | 5 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-5-7-66_n66 | 2 | 0.5 |
| | 5 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-7-13-66_n66 | 2 | 0.5 |
| | 7 | 0.5 |
| | 13 | 0.3 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-7-28-66_n7 | 2 | 0.5 |
| | 7 | 0.5 |
| | 28 | 0.6 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-7-28-66_n66 | 2 | 0.5 |
| | 7 | 0.5 |
| | 28 | 0.6 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-7-66_n66-n78<br>DC_2-7-7-66_n66-n78 | 2 | 0.6 |
| | 7 | 0.5 |
| | 66 | 0.6 |
| | n66 | 0.6 |
| | n78 | 0.8 |
| DC_2-12-30-66_n2 | 2 | 0.5 |
| | 12 | 0.8 |
| | 30 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_2-12-30-66_n66 | 2 | 0.5 |
| | 12 | 0.8 |
| | 30 | 0.3 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-29-30-66_n2 | 2 | 0.5 |
| | 30 | 0.3 |
| | 66 | 0.5 |
| | n2 | 0.5 |
| DC_2-46-66_n41-n71 | 2 | 0.5 |
| | 66 | 0.5 |
| | n41 | 0.4[1] |
| | | 0.9[2] |
| | n71 | 0.6 |
| DC_3-7-8_n1-n78<br>DC_3-3-7-8_n1-n78<br>DC_3-7-7-8_n1-n78<br>DC_3-3-7-7-8_n1-n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | 8 | 0.6 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_3-7-8-40_n78 | 3 | 0.6 |
| | 7 | 0.5 |
| | 8 | 0.6 |
| | 40 | 0.3[5] |
| | n78 | 0.8[5] |
| DC_3-7-20_n1-n78 | 3 | 0.6 |
| | 7 | 0.7 |
| | 20 | 0.6 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_3-7-20_n28-n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_3-7-20-32 _n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | 20 | 0.3 |
| | n78 | 0.8 |
| DC_3-7-28_n1-n40 | 3 | 0.6 |
| | 7 | 0.8 |
| | 28 | 0.6 |
| | n1 | 0.6 |
| | n40 | 0.9 |
| DC_3-7-28_n7-n78 | 3 | 0.6 |
| | 7 | 0.6 |
| | 28 | 0.6 |
| | n7 | 0.6 |
| | n78 | 0.8 |
| DC_3-7-28_n40-n78 | 3 | 0.6 |
| | 7 | 0.5 |
| | 28 | 0.3 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_3-19-21-42_n77 | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_3-19-21-42_n78 | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n78 | 0.8 |
| DC_3-19-21-42_n79 | 3 | 0.8 |
| | 19 | 0.3 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| DC_3-19-42_n1-n77 | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| | n77 | 0.8 |
| DC_3-19-42_n1-n78 | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| | n78 | 0.8 |
| DC_3-19-42_n1-n79 | 3 | 0.6 |
| | 19 | 0.3 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| DC_3-21-42_n1-n77 | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| | n77 | 0.6 |
| DC_3-21-42_n1-n78 | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n1 | 0.6 |
| | n78 | 0.6 |
| DC_3-21-42_n1-n79 | 3 | 0.8 |
| | 21 | 0.9 |
| | 42 | 0.8 |
| | n1 | 0.6 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_3-28-41-42_n78 | 3 | 1 |
| | 28 | 0.5 |
| | 41 | 0.3[3] |
| | | 0.8[4] |
| | 42 | 0.8 |
| | n78 | 0.8 |
| | 3 | 1 |
| DC_7-8_n40-n78 | 3 | 0.6 |
| | 7 | 0.5 |
| | 8 | 0.3 |
| | n40 | 0.5 |
| | n78 | 0.8 |
| DC_19-21-42_n1-n77 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| | n77 | 0.8 |
| DC_19-21-42_n1-n78 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| | n78 | 0.8 |
| DC_19-21-42_n1-n79 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n1 | 0.3 |
| DC_19-21-42_n77-n79 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n77 | 0.8 |
| DC_19-21-42_n78-n79 | 19 | 0.3 |
| | 21 | 0.4 |
| | 42 | 0.8 |
| | n78 | 0.8 |

NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 – 2690 MHz.
NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 – 2545 MHz.
NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2515 – 2690 MHz.
NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.
NOTE 5: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx

#### 6.2B.4.2.3.5 $\Delta T_{IB,c}$ for EN-DC six bands

**Table 6.2B.4.2.3.5-1: $\Delta T_{IB,c}$ due to EN-DC (six bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta T_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3-7-8-40_n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.5 |
| | 8 | 0.6 |
| | 40 | 0.3[1] |
| | n78 | 0.8[1] |
| DC_1-3-7-20_n28-n78 | 1 | 0.7 |
| | 3 | 0.7 |
| | 7 | 0.7 |
| | 20 | 0.6 |
| | n28 | 0.6 |
| | n78 | 0.8 |
| DC_1-3-7-28_n7-n78 | 1 | 0.7 |
| | 3 | 0.7 |
| | 7 | 0.7 |
| | 28 | 0.6 |
| | n7 | 0.7 |
| | n78 | 0.8 |
| DC_1-3-7-28_n40-n78 | 1 | 0.6 |
| | 3 | 0.6 |
| | 7 | 0.8 |
| | 28 | 0.3 |
| | n40 | 0.9 |
| | n78 | 0.8 |
| NOTE 1: Only applicable for UE supporting inter-band carrier aggregation with uplink in one NR band and without simultaneous Rx/Tx. | | |

### 6.2B.4.2.3a Inter-band NE-DC within FR1

Unless $\Delta T_{IB,c}$ is specified in this clause, the value of $\Delta T_{IB,c}$ for the correspondingly specified EN-DC configuration in clause 6.2B.4.2.3 is applicable.

### 6.2B.4.2.4 Inter-band EN-DC including FR2

#### 6.2B.4.2.4.1 $\Delta T_{IB,c}$ for EN-DC two bands

Unless otherwise stated, $\Delta T_{IB,c}$ for E-UTRA and FR2 NR bands of inter-band EN-DC combinations defined in table 5.5B.5.1-1 is set to zero.

**Table 6.2B.4.2.4.1-1: Void**

#### 6.2B.4.2.4.2 $\Delta T_{IB,c}$ for EN-DC three bands

Unless otherwise stated, $\Delta T_{IB,c}$ for FR2 NR bands is set to zero, and $\Delta T_{IB,c}$ for constituent E-UTRA bands for inter-band EN-DC defined in table 5.5B.5.2-1 is the same as those for the corresponding E-UTRA CA configuration specified in TS 36.101 [4], without the FR2 NR bands.

**Table 6.2B.4.2.4.2-1: Void**

#### 6.2B.4.2.4.3 $\Delta T_{IB,c}$ for EN-DC four bands

Unless otherwise stated, $\Delta T_{IB,c}$ for FR2 NR bands is set to zero, and $\Delta T_{IB,c}$ for constituent E-UTRA bands for inter-band EN-DC defined in table 5.5B.5.3-1 is the same as those for the corresponding E-UTRA CA configuration specified in TS 36.101 [4], without the FR2 NR bands.

**Table 6.2B.4.2.4.3-1: Void**

#### 6.2B.4.2.4.4 $\Delta T_{IB,c}$ for EN-DC five bands

Unless otherwise stated, $\Delta T_{IB,c}$ for FR2 NR bands is set to zero, and $\Delta T_{IB,c}$ for constituent E-UTRA bands for inter-band EN-DC defined in table 5.5B.5.4-1 is the same as those for the corresponding E-UTRA CA configuration specified in TS 36.101 [4], without the FR2 NR bands.

**Table 6.2B.4.2.4.4-1: Void**

#### 6.2B.4.2.4.5 Void

### 6.2B.4.2.4a Inter-band NE-DC including FR2

Unless $\Delta T_{IB,c}$ is specified in this clause, the value of $\Delta T_{IB,c}$ for the correspondingly specified EN-DC configuration in clause 6.2B.4.2.4 is applicable.

### 6.2B.4.2.5 Inter-band EN-DC including both FR1 and FR2

#### 6.2B.4.2.5.1 $\Delta T_{IB,c}$ for EN-DC three bands

Unless otherwise stated, for inter-band EN-DC configurations defined in table 5.5B.6.2-1, $\Delta T_{IB,c}$ for constituent FR2 NR bands is set to zero, and $\Delta T_{IB,c}$ for constituent E-UTRA and FR1 NR bands is the same as those for the corresponding inter band EN-DC configuration without the FR2 bands specified in 6.2B.4.2.3.

**Table 6.2B.4.2.5.1-1: Void**

#### 6.2B.4.2.5.2 $\Delta T_{IB,c}$ for EN-DC four bands

Unless otherwise stated, for inter-band EN-DC configurations defined in table 5.5B.6.3-1, $\Delta T_{IB,c}$ for constituent FR2 NR bands is set to zero, and $\Delta T_{IB,c}$ for constituent E-UTRA and FR1 NR bands is the same as those for the corresponding inter band EN-DC configuration without the FR2 bands specified in 6.2B.4.2.3.

#### 6.2B.4.2.5.3 $\Delta T_{IB,c}$ for EN-DC five bands

Unless otherwise stated, for inter-band EN-DC configurations defined in table 5.5B.6.4-1, $\Delta T_{IB,c}$ for constituent FR2 NR bands is set to zero, and $\Delta T_{IB,c}$ for constituent E-UTRA and FR1 NR bands is the same as those for the corresponding inter band EN-DC configuration without the FR2 bands specified in 6.2B.4.2.3.

#### 6.2B.4.2.5.4 $\Delta T_{IB,c}$ for EN-DC six bands

Unless otherwise stated, for inter-band EN-DC configurations defined in table 5.5B.6.5-1, $\Delta T_{IB,c}$ for constituent FR2 NR bands is set to zero, and $\Delta T_{IB,c}$ for constituent E-UTRA and FR1 NR bands is the same as those for the corresponding inter band EN-DC configuration without the FR2 bands specified in 6.2B.4.2.3.

## 6.2B.5 Configured output power for NR-DC

### 6.2B.5.1 Configured output power level

#### 6.2B.5.1.1 Inter-band NR-DC between FR1 and FR2

For both synchronous and non-synchronous inter-band NR-DC [12] with MCG in FR1 and SCG in FR2 combined with one uplink serving cell per CG, the UE is allowed to set its configured maximum output power $P_{CMAX,c(i),i}$ for serving cell *c(i)* of CG *i*, *i = 1,2* as specified in clause 6.2.4 of TS 38.101-1 [2] and clause 6.2.4 TS 38.101-2 [3] independently.

# 6.2E Transmitter power for V2X in FR1

## 6.2E.1 UE maximum output power for V2X

### 6.2E.1.1 UE maximum output power for Intra-band contiguous V2X

For intra-band contiguous V2X operating UE, the allowed UE maximum output power shall be applied in Table 6.2.2-1 [4] for E-UTRA SL transmission or applied in Table 6.2.1-1 [2] for NR SL transmission, respectively.

**Table 6.2E.1.1-1: Maximum output power for V2X combination (continuous sub-blocks)**

| V2X configuration | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|
| V2X_(n)47AA | | | 23 | +2/-3[1] |
| NOTE 1: If all transmitted resource blocks over all component carriers are confined within $F_{UL_low}$ and $F_{UL_low}$ + 4 MHz or/and $F_{UL_high}$ – 4 MHz and $F_{UL_high}$, the maximum output power requirement is relaxed by reducing the lower tolerance limit by 1.5 dB<br>NOTE 2: Power Class 3 is the default power class unless otherwise stated.<br>NOTE 3: Only single switched UL is supported | | | | |

### 6.2E.1.2 UE maximum output power for Intra-band non-contuous V2X

For intra-band non-contiguous V2X operating UE, the allowed UE maximum output power shall be applied in Table 6.2.2-1[4] for E-UTRA SL transmission or applied in Table 6.2.1-1 [2] for NR SL transmission, respectively.

**Table 6.2E.1.2-1: Maximum output power for V2X combination (non-continuous sub-blocks)**

| V2X configuration | Power class 2 (dBm) | Tolerance (dB) | Power class 3 (dBm) | Tolerance (dB) |
|---|---|---|---|---|
| V2X_47A_n47A | | | 23 | +2/-3[1] |
| NOTE 1: If all transmitted resource blocks over all component carriers are confined within $F_{UL_low}$ and $F_{UL_low}$ + 4 MHz or/and $F_{UL_high}$ – 4 MHz and $F_{UL_high}$, the maximum output power requirement is relaxed by reducing the lower tolerance limit by 1.5 dB<br>NOTE 2: Power Class 3 is the default power class unless otherwise stated.<br>NOTE 3: Only single switched UL is supported | | | | |

### 6.2E.1.3 UE maximum output power for Inter-band V2X

For the inter-band con-current NR V2X operation, the maximum output power is specified in Table 6.2E.1.3-1. The period of measurement shall be at least one sub frame (1ms).

**Table 6.2E.1.3-1: Con-current V2X UE Power Class**

| V2X con-current operating band Configuration | Class 1 (dBm) | Tolerance (dB) | Class 2 (dBm) | Tolerance (dB) | Class 3 (dBm) | Tolerance (dB) | Class 4 (dBm) | Tolerance (dB) |
|---|---|---|---|---|---|---|---|---|
| V2X_20A_n38A | | | | | 23 | +2/-3[4] | | |
| V2X_n39A_47A | | | | | 23 | +2/-3[4] | | |
| V2X_39A_n47A | | | | | 23 | +2/-3[4] | | |
| V2X_n40A_47A | | | | | 23 | +2/-3[4] | | |
| V2X_40A_n47A | | | | | 23 | +2/-3[4] | | |
| V2X_n71A_47A | | | | | 23 | +2/-3[4] | | |
| NOTE 1: The con-current band combinations is used for NR V2X Service.<br>NOTE 2: $P_{PowerClass}$ is the maximum UE power specified without taking into account the tolerance<br>NOTE 3: For inter-band con-current aggregation the maximum power requirement apply to the total transmitted power over all component carriers (per UE).<br>NOTE 4: [4] refers to the transmission bandwidths (Figure 5.6-1) confined within $F_{UL_low}$ and $F_{UL_low}$ + 4 MHz or $F_{UL_high}$ – 4 MHz and $F_{UL_high}$, the maximum output power requirement is relaxed by reducing the lower tolerance limit by 1.5 dB | | | | | | | | |

## 6.2E.2 UE maximum output power reduction for V2X

### 6.2E.2.1 UE maximum output power reduction for Intra-band V2X

For intra-band V2X operating UE, maximum output power reduction specified in clause 6.2.3G [4] and in clause 6.2E.2 [2] apply, respectively.

### 6.2E.2.2 UE maximum output power reduction for Inter-band V2X

For the inter-band con-current NR V2X operation, the allowed maximum power reduction (MPR) for the maximum output power shall be applied per each component carrier. The MPR requirements in subclause 6.2.3 of TS 36.101 [4] apply for E-UTRA Uu operation in licensed band, and the MPR requirements in subclause 6.2E.2 of TS 38.101-1 [2] apply for NR sidelink operation in Band n47.

## 6.2E.3 UE additional maximum output power reduction for V2X

### 6.2E.3.1 UE additional maximum output power reduction for Intra-band V2X

For intra-band V2X operating UE, additional maximum output power reduction specified in clause 6.2.4G [4] and in clause 6.2C.3 [2] apply, respectively.

### 6.2E.3.2 UE additional maximum output power reduction for Inter-band V2X

For the inter-band con-current NR V2X operation, the allowed additional maximum power reduction (A-MPR) for the maximum output power shall be applied per each component carrier. The A-MPR requirements in subclause 6.2.3 of TS 36.101 [4] apply for E-UTRA Uu operation in licensed band, and the A-MPR requirements in in subclause 6.2C.3 of TS 38.101-1 [2] apply for NR sidelink operation in Band n47.

## 6.2E.4 Configured output power for V2X

### 6.2E.4.1 UE configured output power for Intra-band V2X

For intra-band V2X operating UE, each UE configured output power specified in clause 6.2.5G [4] and in clause 6.2E.4 [2] apply, respectively.

### 6.2E.4.2 UE configured output power for Inter-band V2X

When a UE is configured for simultaneous NR V2X sidelink and NR uplink transmissions for inter-band con-current operation, the UE is allowed to set its configured maximum output power $P_{CMAX,c,Uu}$ and $P_{CMAX,c,V2X}$ for the configured E-UTRA or NR uplink carrier and the configured NR V2X SL or E-UTRA V2X SL carrier, respectively, and its total configured maximum output power $P_{CMAX,c}$. The $\Delta T_{IB,V2X}$ of $P_{CMAX,c,Uu}$ is specified in Table 6.2E.4.2-1.

The configured maximum output power $P_{CMAX\ c,Uu}(p)$ in subframe $p$ for the configured E-UTRA or NR uplink carrier shall be set within the bounds:

$$P_{CMAX_L,c,\ Uu}(p) \leq P_{CMAX,c,\ Uu}(p) \leq P_{CMAX_H,c,\ Uu}(p)$$

where $P_{CMAX_L,c,Uu}$ and $P_{CMAX_H,c,\ Uu}$ are the limits for a serving cell c as specified in subclause 6.2.5 TS 36.101 [4] or 6.2.4 TS 38.101-1 [2].

The configured maximum output power $P_{CMAX\ c,V2X}(q)$ in slot $q$ for the configured NR or E-UTRA V2X SL carrier shall be set within the bounds:

$$P_{CMAX,c,V2X}(q) \leq P_{CMAX_H,c,V2X}(q)$$

where $P_{CMAX_H,c,V2X}$ is the limit as specified in subclause 6.2E.4 of TS 38.101-1 [2] or 6.2.5G or TS 36.101 [5].

The total UE configured maximum output power $P_{CMAX}(p,q)$ in a subframe $p$ of E-UTRA uplink carrier and a slot $q$ of NR V2X sidelink that overlap in time shall be set within the following bounds for synchronous and asynchronous operation unless stated otherwise:

$$P_{CMAX_L}(p,q) \leq P_{CMAX}(p,q) \leq P_{CMAX_H}(p,q)$$

with

$$P_{CMAX_L}(p,q) = P_{CMAX_L,c,Uu}(p)$$

$$P_{CMAX_H}(p,q) = 10 \log_{10} [p_{CMAX_H,c,Uu}(p) + p_{CMAX_H,c,V2X}(q)]$$

where $p_{CMAX_H,c,V2X}$ and $p_{CMAX_H,c,Uu}$ are the limits $P_{CMAX_H,c,V2X}(q)$ and $P_{CMAX_H,c,Uu}(p)$ expressed in linear scale.

The measured total maximum output power $P_{UMAX}$ over both the E-UTRA uplink and NR V2X carriers is

$$P_{UMAX} = 10 \log_{10} [p_{UMAX,c,Uu} + p_{UMAX,c,V2X}],$$

where $p_{UMAX,c,Uu}$ denotes the measured output power of serving cell *c* for the configured E-UTRA uplink carrier or NR uplink carrier, and $p_{UMAX,c,V2X}$ denotes the measured output power for the configured NR V2X SL carrier or E-UTRA V2X SLcarrier expressed in linear scale.

When a UE is configured for synchronous V2X sidelink and uplink transmissions,

$$P_{CMAX_L}(p, q) - T_{LOW}(P_{CMAX_L}(p, q)) \leq P_{UMAX} \leq P_{CMAX_H}(p, q) + T_{HIGH}(P_{CMAX_H}(p, q))$$

where $P_{CMAX_L}(p,q)$ and $P_{CMAX_H}(p,q)$ are the limits for the pair $(p,q)$ and with the tolerances $T_{LOW}(P_{CMAX})$ and $T_{HIGH}(P_{CMAX})$ for applicable values of $P_{CMAX}$ specified in Table 6.2C.4-1. $P_{CMAX_L}$ may be modified for any overlapping portion of slots *(p, q)* and *(p +1, q+1).*

**Table 6.2E.4.2-1: $\Delta T_{IB,V2X}$ for inter-band con-current V2X operation (two bands)**

| V2X con-current operating band Configuration | Operating Band | $\Delta T_{IB,V2X}$ [dB] |
|---|---|---|
| V2X_20A_n38A | 20 | 0.0[1] |
| Note 1: The $\Delta T_{IB,V2X}$ is applied on top of $\Delta T_{IB,c}$ of DC_20A_n38A UE thatis considered harmonic trap filter to reduce 3rd harmonic impact from Band 20. | | |

# 6.3 Output power dynamics

Output power dynamics for EN-DC operations in FR1 and FR2 as specified in TS 38.101-1 [2] and TS 38.101-2 [3], respectively. E-UTRA as specified in TS 36.101 [4]. For intra-band contiguous EN-DC operation in FR1, minimum output power requirements specified in clause 6.3.1 of TS 38.101-1 [2] and clause 6.3.2 of TS 36.101 [4] shall only apply when the power of all NR and E-UTRA carriers are set to minimum value. Similarly, OFF power requirements specified in clause 6.3.2 of TS 38.101-1 [2] and clause 6.3.3 of TS 36.101 [4] shall only apply when the power of all NR and E-UTRA carriers are OFF. The OFF power condition in transmit ON/OFF time mask requirements specified in clause 6.3.3 of TS 38.101-1 [2] and clause 6.3.4 of TS 36.101 [4] is applicable only when all NR and E-UTRA carriers are OFF. If both E-UTRA and NR transition between ON and OFF states simultaneously, the longer transient time shall apply to both. If either E-UTRA or NR is OFF and the other carrier transitions from OFF to ON, then the transiet time associated with that carrier applies.

# 6.3A Output power dynamics for CA

For inter-band NR CA between FR1 and FR2, output power dynamics as specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for FR1 and FR2 respectively.

# 6.3B Output power dynamics for DC

## 6.3B.0 General

The E-UTRA and NR switching time mask defines the observation period between E-UTRA subframe and NR slot/mini-slot boundary. Both E-UTRA subframe and NR slot/mini-slot have ON power transmissions. The ON power

is defined as the mean power over the symbol duration excluding any transient period. For E-UTRA subframe or NR slot/mini-slot having OFF power transmission, the general time mask for E-UTRA or NR shall apply.

For inter-band EN-DC or NE-DC, output power dynamics requirement for E-UTRA single carrier and CA operation specified in clauses 6.3 and 6.3A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.3 and 6.3A of TS 38.101-1 [2] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.3, 6.3A and 6.3D of TS 38.101-2 [3] apply.

## 6.3B.1 Output power dynamics for EN-DC with UL sharing from UE perspective

### 6.3B.1.1 E-UTRA and NR switching time mask for TDM based UL sharing from UE perspective

The E-UTRA and NR switching time mask is applicable for non-simultaneous transmissions between E-UTRA and NR in TDM based UL sharing from the UE perspective in the same channel, which is shared by E-UTRA and NR. The requirement applies on the condition that UE is capable of handling the uplink transmission timing difference between E-UTRA and NR which is less than or equal to [2.21]µs.

For UEs reporting E-UTRA and NR switching time capability of type 1 with switching time < 0.5 us for TDM based UL sharing from UE perspective within FR1 time masks in Figure 6.3B.1.1-1 and Figure 6.3B.1.1-2 shall apply. For UEs reporting E-UTRA and NR switching time capability of type 2 with switching time < 20 us for TDM based UL sharing from UE perspective within FR1, time masks in Figure 6.3B.1.1-3 and Figure 6.3B.1.1-4 shall apply. The additional time for the transient period on the succeeding E-UTRA subframe or NR slot is caused by the uplink transmission timing difference, for which the maximum value is [2.21]µs.

**Figure 6.3B.1.1-1: E-UTRA to NR switching time mask for type 1 for TDM based UL sharing from UE perspective within FR1**

**Figure 6.3B.1.1-2: NR to E-UTRA switching time mask for type 1 for TDM based UL sharing from UE perspective within FR1**

**Figure 6.3B.1.1-3: E-UTRA to NR switching time mask for type 2 for TDM based UL sharing from UE perspective within FR1**

**Figure 6.3B.1.1-4: NR to E-UTRA switching time mask for type 2 for TDM based UL sharing from UE perspective within FR1**

## 6.3B.1a Output power dynamics for NE-DC with UL sharing from UE perspective

The E-UTRA and NR switching time mask is applicable for non-simultaneous transmissions between E-UTRA and NR in TDM based UL sharing from the UE perspective in the same channel, which is shared by E-UTRA and NR. Unless otherwise specified, the 6.3B.1.1 clauses for NE-DC are applicable.

## 6.3B.2 Output power dynamics for intra-band EN-DC without dual PA capability

For intra-band contiguous EN-DC configurations DC_(n)41 and DC_(n)71, and all intra-band non-contiguous EN-DC configurations without dual PA capability, maximum UL switching time is defined as 120 us and DL reception interruption is allowed during UL switching. Time masks in Figure 6.3B.2-1 and Figure 6.3B.2-2 shall apply. Unless otherwise stated, for other intra-band contiguous EN-DC configurations, the switching time in 6.3B.1.1 applies.

**Figure 6.3B.2-1: E-UTRA to NR switching time mask for intra-band EN-DC without dual PA capabilitywhen single UL is allowed**

**Figure 6.3B.2-2: NR to E-UTRA switching time mask for intra-band EN-DC without dual PA capabilitywhen single UL is allowed**

## 6.3B.3 Output power dynamics for intra-band EN-DC with dual PA capability

For both intra-band contiguous and non-contiguous EN-DC with dual PA capability, time masks in Figure 6.3B.3-1 and Figure 6.3B.3-2 shall apply.

**Figure 6.3B.3-1: E-UTRA to NR switching time mask for intra-band EN-DC with dual PA capability**

**Figure 6.3B.3-2: NR to E-UTRA switching time mask for intra-band EN-DC with dual PA capability**

## 6.3B.4 Output power dynamics for switching between two uplink carriers

### 6.3B.4.1 E-UTRA and NR switching time mask between two uplink carriers

In addition to the requirements in 6.3B.0 and the maximum output power requirement specified in Table 6.2B.1.3-1 with inter-band EN-DC (two bands), the switching time mask specified in this sub-clause is applicable for an uplink band pair of a inter-band EN-DC configuration without SUL band when the capability *uplinkTxSwitchingPeriod* is present, and is only applicable for uplink switching mechanisms specified in sub-clause 6.1.0 of TS 38.214 [14], where E-UTRA UL carrier 1 is capable of one transmit antenna connector and NR UL carrier 2 is capable of two transmit antenna connectors, and the two uplink carriers are in different bands with different carrier frequencies. The UE shall

support the switch between single layer transmission with one antenna port and two-layer transmission with two antenna ports on the two uplink carriers following the scheduling commands and rank adaptation, i.e., both single layer and two-layer transmission with 2 antenna ports, and single layer transmission with 1 antenna port shall be supported on NR UL carrier 2.

The switching periods described in Figure 6.3B.4.1-1 are only located in NR carrier, and the length of uplink switching period *X* is less than the value indicated by UE capability *uplinkTxSwitchingPeriod*.

**Figure 6.3B.4.1-1: Time mask for switching between E-UTRA UL carrier and NR UL carrier, where the switching period is located in NR carrier**

The requirements apply for the case of co-located and synchronized network deployment for the two uplink carriers.

## 6.3B.5 Output power dynamics for inter-band EN-DC

The switching time mask defined in this clause is applicable for a UE indicating support of IE *singleUL-Transmission* for the specific inter-band EN-DC combination for which only single switched UL is supported . The maximum UL switching time is defined as 120 us. Time masks in Figure 6.3B.5-1 and Figure 6.3B.5-2 shall apply.

**Figure 6.3B.5-1: E-UTRA to NR switching time mask for inter-band EN-DC when only single switched UL is supported**

**Figure 6.3B.5-2: NR to E-UTRA switching time mask for inter-band EN-DC when only single switched UL is supported**

# 6.4 Void

# 6.4A Transmit signal quality for CA

## 6.4A.1 Frequency error for CA

For inter-band NR CA between FR1 and FR2, frequency error as specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for FR1 and FR2 respectively.

## 6.4A.2 Transmit modulation quality for CA

For inter-band NR CA between FR1 and FR2, transmit modulation quality as specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for FR1 and FR2 respectively.

# 6.4B Transmit signal quality for DC

## 6.4B.1 Frequency error for DC

### 6.4B.1.1 Frequency error for Intra-band contiguous EN-DC

For intra-band contiguous EN-DC, the requirement shall apply on each component carrier as defined in clause 6.5.1 in TS 36.101 [4] and in clause 6.4.1 in TS 38.101-1 [2], respectively.

### 6.4B.1.2 Frequency error for Intra-band non-contiguous EN-DC

For intra-band non-contiguous EN-DC, the requirement shall apply on each component carrier as defined in clause 6.5.1 in TS 36.101 [4] and in clause 6.4.1 in TS 38.101-1 [2], respectively.

### 6.4B.1.3 Frequency error for inter-band EN-DC within FR1

For inter-band EN-DC with uplink assigned to one E-UTRA band and one NR band, the requirements shall apply on each component carrier as defined in clause 6.5.1 in TS 36.101 [4] and in clause 6.4.1 in TS 38.101-1 [2], respectively, with all component carriers active. If multiple component carriers are assigned to one E-UTRA band, the requirements in clauses 6.5.1A in TS 36.101 [4] apply for those component carriers.

### 6.4B.1.3a Frequency error for inter-band NE-DC within FR1

For inter-band NE-DC with uplink assigned to one E-UTRA band and one NR band, the requirements shall apply on each component carrier as defined in clause 6.5.1 in TS 36.101 [4] and in clause 6.4.1 in TS 38.101-1 [2], respectively, with all component carriers active. If multiple component carriers are assigned to one E-UTRA band, the requirements in clauses 6.5.1A in TS 36.101 [4] apply for those component carriers, and if multiple component carriers are assigned to one NR band, the requirements in clauses 6.4A.1 in TS 38.101-1 [2] apply for those component carriers.

### 6.4B.1.4 Frequency error for inter-band EN-DC including FR2

Frequency error requirement for E-UTRA single carrier and CA operation specified in clauses 6.5.1 and 6.5.1A of TS 36.101 [4] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.4.1, 6.4A.1 and 6.4D.1 of TS 38.101-2 [3] apply.

### 6.4B.1.4a Frequency error for inter-band NE-DC including FR2

Frequency error requirement for NR single carrier and CA operation specified in clause 6.4.1, 6.4A.1 and 6.4D.1 of TS 38.101-2 [3] and for E-UTRA single carrier and CA operation specified in clauses 6.5.1 and 6.5.1A of TS 36.101 [4] apply.

### 6.4B.1.5 Frequency error for inter-band EN-DC including both FR1 and FR2

Frequency error requirement for E-UTRA single carrier and CA operation specified in clauses 6.5.1 and 6.5.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.4.1 and 6.4A.1 of TS 38.101-1 [2] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.4.1, 6.4A.1 and 6.4D.1 of TS 38.101-2 [3] apply.

## 6.4B.2 Transmit modulation quality for DC

### 6.4B.2.1 Transmit modulation quality for Intra-band contiguous EN-DC

#### 6.4B.2.1.1 Error Vector Magnitude

For the intra-band contiguous EN-DC with one component carrier per CG the EVM requirement applies with PRB allocation in one of the CG and the other CG unallocated.

The EVM requirements for each CG are according to clause 6.5.2 of TS 36.101 [4] for the MCG and 6.4.2 of TS 38.101-1 [2] for the SCG with EN-DC configured.

#### 6.4B.2.1.2 Carrier leakage

The carrier leakage requirements for each CG are according to clause 6.5.2 of TS 36.101 [4] for the MCG and 6.4.2 of TS 38.101-1 [2] for the SCG with EN-DC configured.

#### 6.4B.2.1.3 In-band emissions

For the MCG the in-band emission requirments in Table 6.5.2A.3.1-1 and 6.5.2A.3.1-2 in TS 36.101 [4] apply within the aggregated transmission bandwidth configuration of the EN-DC bandwidth with the carriers of both CGs active and one single contiguous PRB allocation of bandwidth $L_{CRB}$ within the MCG at the edge of the said aggregated transmission bandwidth configuration.

For the SCG the in-band emission requirements in Table 6.4.2.3-1 in TS 38.101-1 [2] apply within the aggregated transmission bandwidth configuration of the EN-DC bandwidth with the carriers of both CGs active and one single contiguous PRB allocation of bandwidth $L_{CRB}$ within the SCG at the edge of the aggregated transmission bandwidth configuration.

### 6.4B.2.2 Transmit modulation quality for Intra-band non-contiguous EN-DC

#### 6.4B.2.2.1 Error Vector Magnitude

For the intra-band non-contiguous EN-DC with one component carrier per CG the EVM requirement applies with PRB allocation in one of the CG and the other CG unallocated.

The EVM requirements for each CG are according to clause 6.5.2 of TS 36.101 [4] for the MCG and 6.4.2 of TS 38.101-1 [2] for the SCG with EN-DC configured.

#### 6.4B.2.2.2 Carrier leakage

The carrier leakage requirements for each CG are according to clause 6.5.2 of TS 36.101 [4] for the MCG and 6.4.2 of TS 38.101-1 [2] for the SCG with EN-DC configured and PRB allocation only in the CG being measured.

#### 6.4B.2.2.3 In-band emissions

For the MCG the in-band emission requirements in Table 6.5.2A.3.1-1 and 6.5.2A.3.1-2 in TS 36.101 [4] apply within the transmission bandwidth configuration of the MCG with the carriers of both CGs active and one single contiguous PRB allocation of bandwidth $L_{CRB}$ within the MCG at the edge of the transmission bandwidth configuration.

For the SCG the in-band emission requirements in Table 6.4.2.3-1 in TS 38.101-1 [2] apply within the transmission bandwidth configuration of the SCG with the carriers of both CGs active and one single contiguous PRB allocation of bandwidth $L_{CRB}$ within the SCG at the edge of the transmission bandwidth configuration.

### 6.4B.2.3 Transmit modulation quality for Inter-band EN-DC within FR1

For inter-band EN-DC with uplink assigned to one E-UTRA band and one NR band, the requirements shall apply on each component carrier as defined in clause 6.5.2 in TS 36.101 [4] and in clause 6.4.2 in TS 38.101-1 [2], respectively, with all component carriers active, applies with PRB allocation in one of the CG and the other CG unallocated. If multiple component carriers are assigned to one E-UTRA band, the requirements in subclauses 6.5.2A in TS 36.101 [4] apply for those component carriers.

### 6.4B.2.3a Transmit modulation quality for Inter-band NE-DC within FR1

For inter-band NE-DC with uplink assigned to one E-UTRA band and one NR band, the requirements shall apply on each component carrier as defined in clause 6.5.2 in TS 36.101 [4] and in clause 6.4.2 in TS 38.101-1 [2], respectively, with all component carriers active, applies with PRB allocation in one of the CG and the other CG unallocated. If multiple component carriers are assigned to one E-UTRA band, the requirements in clauses 6.5.2A in TS 36.101 [4] apply for those component carriers, and if multiple component carriers are assigned to one NR band, the requirements in clauses 6.4A.2 in TS 38.101-1 [2] apply for those component carriers.

### 6.4B.2.4 Transmit modulation quality for Inter-band EN-DC including FR2

Transmit modulation quality requirement for E-UTRA single carrier and CA operation specified in clauses 6.5.2 and 6.5.2A of TS 36.101 [4] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.4.2, 6.4A.2 and 6.4D.2 of TS 38.101-2 [3] apply.

### 6.4B.2.4a Transmit modulation quality for Inter-band NE-DC including FR2

Transmit modulation quality requirement for NR single carrier and CA operation specified in clause 6.4.2, 6.4A.2 and 6.4D.2 of TS 38.101-2 [3] and for E-UTRA single carrier and CA operation specified in clauses 6.5.2 and 6.5.2A of TS 36.101 [4] apply.

### 6.4B.2.5 Transmit modulation quality for inter-band EN-DC including both FR1 and FR2

Transmit modulation quality requirement for E-UTRA single carrier and CA operation specified in clauses 6.5.2 and 6.5.2A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.4.2 and 6.4A.2 of TS 38.101-1 [2] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.4.2, 6.4A.2 and 6.4D.2 of TS 38.101-2 [3] apply.

# 6.4E Transmit signal quality for V2X operation in FR1

## 6.4E.1 Frequency error for V2X

For intra-band V2X operating UE, the requirement shall apply on each component carrier as defined in clause 6.5.1G in TS 36.101 [4] and in clause 6.4E.1 in TS 38.101-1 [2], respectively.

For the inter-band con-current NR V2X operation, the requirements specified in subclause 6.4.1 of TS 36.101 [4] shall apply for the E-UTRA uplink in licensed band and the requirements specified in subclause 6.4E.1 of TS 38.101-1 [2] shall apply for the sidelink in NR Band n47.

## 6.4E.2 Transmit modulation quality for V2X

### 6.4E.2.1 Transmit modulation quality for Intra-band V2X

#### 6.4E.2.2.1 Error Vector Magnitude

For intra-band V2X operating UE, the requirement shall apply on each SL transmission as defined in clause 6.5.2G.1 in TS 36.101 [4] and in clause 6.4E.2.1 in TS 38.101-1 [2], respectively.

For the inter-band con-current NR V2X operation, the requirements specified in subclause 6.5.2 of TS 36.101 [4] shall apply for the E-UTRA uplink in licensed band and the requirements specified in subclause 6.4E.2.1 of TS 38.101-1 [2] shall apply for the sidelink in NR Band n47.

#### 6.4E.2.2.2 Carrier leakage

For intra-band V2X operating UE, the requirement shall apply on each SL transmission as defined in clause 6.5.2G.2 in TS 36.101 [4] and in clause 6.4E.2.2 in TS 38.101-1 [2], respectively.

#### 6.4E.2.2.3 In-band emissions

For intra-band V2X operating UE, the requirement shall apply on each SL transmission as defined in clause 6.5.2G.3 in TS 36.101 [4] and in clause 6.4E.2.3 in TS 38.101-1 [2], respectively.

### 6.4E.2.2 Transmit modulation quality for Inter-band V2X

For inter-band V2X with transmission assigned to one E-UTRA band and one NR band, the requirements shall apply on each component carrier as defined in clause 6.5.2 in TS 36.101 [4] and in clause 6.4.2 in TS 38.101-1 [2], respectively, with all component carriers active. If multiple component carriers are assigned to one E-UTRA band, the requirements in clauses 6.5.2A in TS 36.101 [4] apply for those component carriers.

## 6.5 Void

## 6.5A Output RF spectrum emissions for CA

### 6.5A.1 Occupied bandwidth for CA

For inter-band NR CA between FR1 and FR2, occupied bandwidth specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for each frequency range respectively.

### 6.5A.2 Out-of-band emissions for CA

For inter-band NR CA between FR1 and FR2, out-of-band emissions specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for each frequency range respectively.

### 6.5A.3 Spurious emissions for CA

#### 6.5A.3.1 Inter-band CA between FR1 and FR2

Unless otherwise stated, for inter-band CA between FR1 and FR2, spurious emission and UE co-existence requirements specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for each component carrier respectively.

**Table 6.5A.3.1-1: Void**

### 6.5A.4 Transmit intermodulation for CA

For inter-band NR CA between FR1 and FR2, transmit intermodulation specified in TS 38.101-1 [2] apply for each component carrier for NR FR1.

# 6.5B Output RF spectrum emissions for DC

## 6.5B.1 Occupied bandwidth for EN-DC

### 6.5B.1.1 Intra-band contiguous EN-DC

For intra-band contiguous EN-DC the occupied bandwidth is a measure of the bandwidth containing 99% of the total integrated power of the transmitted spectrum. The OBW shall be less than the aggregated channel bandwidth for EN-DC, denoted as ENBW in clause 5.3B.

### 6.5B.1.2 Intra-band non-contiguous EN-DC

For intra-band non-contiguous EN-DC, occupied bandwidth requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.1 and 6.6.1A of TS 36.101 [4] and for NR single carrier specified in clause 6.5.1 of TS 38.101-1 [2] apply.

### 6.5B.1.3 Inter-band EN-DC within FR1

Occupied bandwidth requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.1 and 6.6.1A of TS 36.101 [4] and for NR single carrier specified in clause 6.5.1 of TS 38.101-1 [2] apply.

### 6.5B.1.3a Inter-band NE-DC within FR1

Occupied bandwidth requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.1 and 6.6.1A of TS 36.101 [4] and for NR single carrier specified in clause 6.5.1 of TS 38.101-1 [2] apply.

### 6.5B.1.4 Inter-band EN-DC including FR2

Occupied bandwidth requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.1 and 6.6.1A of TS 36.101 [4] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.5.1, 6.5A.1 and 6.5D.1 of TS 38.101-2 [3] apply.

### 6.5B.1.4a Inter-band NE-DC including FR2

Occupied bandwidth requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.1 and 6.6.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.5.1, 6.5A.1 and 6.5D.1 of TS 38.101-2 [3] apply.

### 6.5B.1.5 Inter-band EN-DC including both FR1 and FR2

Occupied bandwidth requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.1 and 6.6.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.5.1 and 6.5A.1 of TS 38.101-1 [2] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.5.1, 6.5A.1 and 6.5D.1 of TS 38.101-2 [3] apply.

## 6.5B.2 Out-of-band emissions for DC

### 6.5B.2.1 Intra-band contiguous EN-DC

The out of band emissions are unwanted emissions immediately outside the EN-DC aggregated channel bandwidth resulting from the modulation process and non-linearity in the transmitter but excluding spurious emissions. This out of band emission limit is specified in terms of a spectrum emission mask and an adjacent channel leakage power ratio.

Unless otherwise stated, the OOBE limits specified for the DC combination in this clause supercede any OOBE requirements specified for each sub-block in the respective TS [4] and TS 38.101-1 [2].

The requirements apply to the sum of transmissions across all antenna connectors.

### 6.5B.2.1.1 Spectrum emissions mask

The spectrum emission mask of the UE applies to frequencies ($\Delta f_{OOB}$) starting from the ± edge of the EN-DC aggregated channel bandwidth. For frequencies offset greater than $\Delta f_{OOB}$ as specified in Table 6.5B.2.1.1-1 the spurious requirements in clause 6.5B.3 are applicable.

The general spectrum emission for intra-band contiguous EN-DC is specified in Table 6.5B.2.1.1-1.

The power of any UE emission shall not exceed the levels specified in Table 6.5B.2.1.1-1 for the specified EN-DC aggregated channel bandwidth.

**Table 6.5B.2.1.1-1: General spectrum emission mask for intra-band contiguous EN-DC**

| $\Delta f_{OOB}$ (MHz) | Spectrum emission limit (dBm) | Measurement bandwidth |
|---|---|---|
| ± 0 - 1 | Max(Round(10*log(0.15/ENBW)),-24) | 30 kHz |
| ± 1 - 5 | -10 | 1 MHz |
| ± 5 - ENBW | -13 | 1 MHz |
| ± ENBW – (ENBW+5) | -25 | 1 MHz |
| NOTE: ENBW refers to the aggregated channel bandwidth in MHz as defined in clause 5.3B. | | |

### 6.5B.2.1.2 Additional spectrum emissions mask

#### 6.5B.2.1.2.1 Requirements for network signalled value "NS_35"

When NS_35 is indicated in the MCG and NS_35 is indicated in the SCG, the requirements in Table 6.5B.2.1.2.1-1 apply in the frequency ranges immediately adjacent and outside the aggregated sub-blocks of the EN-DC configuration for DC_(n)71AA.

**Table 6.5B.2.1.2.1-1: Additional requirements**

| $\Delta f_{OOB}$ (MHz) | Frequency offset of measurement filter centre frequency, f_offset | Minimum requirement (dBm) | Measurement bandwidth |
|---|---|---|---|
| 0 MHz ≤ Δf < 0.1 MHz | 0.015 MHz ≤ f_offset < 0.085 MHz | -13 | 30 kHz |
| 0.1 MHz ≤ Δf < ENBW | 0.15 MHz ≤ f_offset < ENBW – 0.05 MHz | -13 | 100 kHz |
| ENBW ≤ Δf < ENBW + 5 MHz | ENBW+0.5 MHz ≤ f_offset < ENBW + 4.5 MHz | -25 | 1 MHz |
| NOTE 1: ENBW is the aggregated bandwidth of an E-UTRA sub-block and an adjacent NR sub-block; there is no frequency separation between the said sub-blocks. The sub-block bandwidths include any internal guard bands. | | | |

#### 6.5B.2.1.2.2 Requirements for network signalled value "NS_04"

Additional spectrum emission requirements are signalled by the network to indicate that the UE shall meet an additional requirement for a specific deployment scenario as part of the cell handover/broadcast message.

The Band 41/n41 SEM transition point from -13 dBm/MHz to -25 dBm/MHz is based on the emission bandwidth. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Since the 26 dB emission bandwidth is implementation dependent, the transmission bandwidths occupied by RBs is used for the SEM. The emission bandwidth for E-UTRA carriers is document in TS 36.101 [4], and the emission bandwidth for NR carriers is documented in TS 38.101-1 [2]. The total emission bandwidth for contiguous intra-band EN-DC is the sum of the emission bandwidth for each CC plus the guard band between contiguous CCs.

When "NS_04" is indicated in the cell, the power of any UE emission shall not exceed the levels specified in Table 6.5B.2.1.2.2-1.

**Table 6.5B.2.1.2.2-1: DC_(n)41 SEM with NS_04**

| | Spectrum emission limit (dBm) / measurement bandwidth for each ENBW | | | | | |
|---|---|---|---|---|---|---|
| **$\Delta f_{OOB}$ MHz** | **15 MHz** | **20 MHz** | **40 MHz** | **50 MHz** | **> 50 MHz** | **Measurement bandwidth** |
| ± 0 - 1 | -10 | -10 | -10 | | | 2 % ENBW |
| | | | | -10 | | 1 MHz |
| ± 1 - 5 | -10 | | | | | 1 MHz |
| ± 5 - X | -13 | | | | | |
| ± X - (ENBW + 5 MHz) | -25 | | | | | |
| NOTE: X is defined as the sum of the emission bandwidth of the component carriers plus the guard band between contiguous CCs. | | | | | | |

### 6.5B.2.1.3 Adjacent channel leakage ratio

For EN-DC operation with an E-UTRA sub-block immediately adjacent to an NR sub-block, the ACLR is defined as the ratio of the filtered mean power centred on the aggregated sub-block bandwidth ENBW to the filtered mean power centred on an adjacent bandwidth of the same size ENBW at nominal channel spacing. The UE shall meet the ACLR minimum requirement EN-$DC_{ACLR}$ specified in Table 6.5B.2.1.3-1 with ENBW the sum of the sub-block bandwidths.

The assigned channel power and adjacent channel power are measured with rectangular filters with measurement bandwidths specified in 6.5B.2.1.3-1.

**Table 6.5B.2.1.3-1: ACLR for intra-band EN-DC (contiguous sub-blocks)**

| Parameter | Unit | Value |
|---|---|---|
| EN-$DC_{ACLR}$ for PC3 | dBc | 30 |
| EN-$DC_{ACLR}$ for PC2 | dBc | 31 |
| Measurement bandwidth of EN-DC channel | | 1.00*ENBW |
| Measurement bandwidth of adjacent channel | | 0.95*ENBW |
| Frequency offset of adjacent channel | | ENBW / -ENBW |
| NOTE 1: ENBW is the aggregated bandwidth in MHz as defined in clause 5.3B.<br>NOTE 2: The frequency offset is that in between the centre frequencies of the measurement filters | | |

## 6.5B.2.2 Intra-band non-contiguous EN-DC

### 6.5B.2.2.1 Spectrum emissions mask

The spectral emission mask for intra-band non-contiguous EN-DC is a composite of the emission mask for each CC with the level set to the maximum value from each mask for each frequency outside of the transmission bandwidth of either carrier. A composite spectrum emission mask is a combination of individual CC spectrum emissions masks. Where two masks overlap the most relaxed limit is used. Composite spectrum emission mask applies to frequencies up to ± $\Delta f_{OOB}$ starting from the edges of the sub-blocks. If for some frequency an individual CC spectrum emission mask overlaps with the bandwidth of another CC then the emission mask does not apply for that frequency.

### 6.5B.2.2.2 Additional spectrum emissions mask

When additional spectrum emission mask or masks apply, the additional SEM(s) shall be used to calculate the composite SEM described in 6.5B.2.2.1.

### 6.5B.2.2.3 Adjacent channel leakage ratio

For intra-band non-contiguous EN-DC, the EN-DC Adjacent Channel Leakage power Ratio (EN-$DC_{ACLR}$) is the ratio of the sum of the filtered mean powers centred on the assigned E-UTRA and NR sub-block frequencies to the filtered mean power centred on an adjacent channel frequency at nominal channel spacing. In case the sub-block gap bandwidth Wgap is smaller than a E-UTRA or NR sub-block bandwidth, no EN-$DC_{ACLR}$ requirement is set for the corresponding sub-block for the gap. The assigned EN-DC sub-block power and adjacent channel power are measured with

rectangular filters with measurement bandwidths specified in TS 36.101 [4] for the E-UTRA sub-block, and TS 38.101-1 [2] for the NR sub-block. If the measured adjacent channel power is greater than –50dBm then the EN-DC$_{ACLR}$ shall be higher than the value specified in for E-UTRA$_{ACLR}$ and NR$_{ACLR}$.

### 6.5B.2.3 Inter-band EN-DC within FR1

Unless otherewise stated, the OOBE requirements specified in clause 6.6.2.1 of TS 36.101 [4], sub- clause 6.6.2 of TS 36.101 [4] and clause 6.5.2 of TS 38.101-1 [2] apply for each component carrier.

The requirements apply to each antenna connector.

### 6.5B.2.3a Inter-band NE-DC within FR1

Unless otherwise stated, the OOBE requirements specified in clause 6.6.2.1 of TS 36.101 [4], sub- clause 6.6.2 of TS 36.101 [4] and clause 6.5.2 of TS 38.101-1 [2] apply for each component carrier.

The requirements apply to each antenna connector.

### 6.5B.2.4 Inter-band EN-DC including FR2

Unless otherewise stated, out-of-band emissions requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.2 of TS 36.101 [4] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.5.2, 6.5A.2 and 6.5D.2 of TS 38.101-2 [3] apply.

### 6.5B.2.4a Inter-band NE-DC including FR2

Unless otherewise stated, out-of-band emissions requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.2 of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.5.2, 6.5A.2 and 6.5D.2 of TS 38.101-2 [3] apply.

### 6.5B.2.5 Inter-band EN-DC including both FR1 and FR2

Unless otherewise stated, out-of-band emissions requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.2 of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.5.2 and 6.5A.2 of TS 38.101-1 [2] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.5.2, 6.5A.2 and 6.5D.2 of TS 38.101-2 [3] apply.

## 6.5B.3 Spurious emissions for DC

### 6.5B.3.1 Intra-band contiguous EN-DC

#### 6.5B.3.1.1 General spurious emissions

The general spurious emissions requirements specified in clause 6.6.3.1 of TS 36.101 [4] and clause 6.5.3.1 of TS 38.101-1 [2] apply beyond any frequencies for which the out-of-band emissions requirements in clause 6.5B.2.1apply.

#### 6.5B.3.1.2 Spurious emission band UE co-existence

The requirements in Table 6.5B.3.1.2-1 apply on each component carrier with all component carriers are active.

**Table 6.5B.3.1.2-1: Requirements for intra-band contiguous EN-DC**

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Protected band** | **Frequency range (MHz)** | | | **Maximum Level (dBm)** | **MBW (MHz)** | **NOTE** |
| DC_(n)71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 30, 48, 66 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25, 41, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 29 | $F_{DL_low}$ | - - | $F_{DL_high}$ | -38 | 1 | 3 |
| | E-UTRA Band 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 3 |
| DC_(n)41 | E-UTRA Band 1, 2, 3, 4, 5, 8, 10, 11, 12, 13 , 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 30, 34, 39, 42, 44, 45, 48, 50, 51, 66, 70, 71, 73, 74 NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 4 |
| | NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| NOTE 1: $F_{DL_low}$ and $F_{DL_high}$ refer to each E-UTRA frequency band specified in Table 5.5-1<br>NOTE 2: As exceptions, measurements with a level up to the applicable requirements defined in Table 6.6.3.1-2 are permitted for each assigned E-UTRA carrier used in the measurement due to 2nd, 3rd, 4th or 5th harmonic spurious emissions. Due to spreading of the harmonic emission the exception is also allowed for the first 1 MHz frequency range immediately outside the harmonic emission on both sides of the harmonic emission. This results in an overall exception interval centred at the harmonic emission of (2 MHz + N x $L_{CRB}$ x 180 kHz), where N is 2, 3, 4, 5 for the 2nd, 3rd, 4th or 5th harmonic respectively. The exception is allowed if the measurement bandwidth (MBW) totally or partially overlaps the overall exception interval<br>NOTE 3: These requirements also apply for the frequency ranges that are less than $F_{OOB}$ (MHz) in Table 6.6.3.1-1 and Table 6.6.3.1A-1 [4] from the edge of the channel bandwidth.<br>NOTE4: Applicable when co-existence with PHS system operating in 1884.5 - 1915.7 MHz. | | | | | | | |

NOTE: To simplify the above Table, E-UTRA band numbers are listed for bands which are specified only for E-UTRA operation or both E-UTRA and NR operation. NR band numbers are listed for bands which are specified only for NR operation.

## 6.5B.3.2 Intra-band non-contiguous EN-DC

### 6.5B.3.2.1 General spurious emissions

The general spurious emissions requirements specified in clause 6.6.3.1 of TS 36.101 [4] and clause 6.5.3.1 of TS 38.101-1 [2] apply beyond any frequencies for which the out-of-band emissions requirements in clause 6.5B.2.2 apply. If for some frequency an individual CC spurious emission requirement overlaps with the general spectrum emission mask or the bandwidth of another CC then it does not apply.

### 6.5B.3.2.2 Spurious emission band UE co-existence

The requirements in Table 6.5B.3.2.2-1 apply with all component carriers are active.

**Table 6.5B.3.2.2-1: Requirements for intra-band non-contiguous EN-DC**

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_3_n3 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 38, 39, 40, 41, 43, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73,74, 75, 76.<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 3 |
| | E-UTRA Band 22, 42, 52,<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | |
| DC_41_n41 | E-UTRA Band 1, 2, 3, 4, 5, 8, 10, 11, 12, 13 , 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 34, 39, 42, 44, 45, 48, 50, 51, 66, 70, 71, 73, 74<br>NR Band n77, n78 and n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 5 |
| | E-UTRA Band 30 | $F_{DL_low}$ | - | $F_{DL_high}$ | -40 | 1 | |

NOTE 1: $F_{DL_low}$ and $F_{DL_high}$ refer to each E-UTRA frequency band specified in Table 5.5-1
NOTE 2: As exceptions, measurements with a level up to the applicable requirements defined in Table 6.6.3.1-2 are permitted for each assigned E-UTRA carrier used in the measurement due to 2nd, 3rd, 4th or 5th harmonic spurious emissions. Due to spreading of the harmonic emission the exception is also allowed for the first 1 MHz frequency range immediately outside the harmonic emission on both sides of the harmonic emission. This results in an overall exception interval centred at the harmonic emission of (2MHz + N x $L_{CRB}$ x 180kHz), where N is 2, 3, 4, 5 for the 2nd, 3rd, 4th or 5th harmonic respectively. The exception is allowed if the measurement bandwidth (MBW) totally or partially overlaps the overall exception interval
NOTE 3: These requirements also apply for the frequency ranges that are less than $F_{OOB}$ (MHz) in Table 6.6.3.1-1 and Table 6.6.3.1A-1 from the edge of the channel bandwidth.
NOTE 4: Void.
NOTE 5: Applicable when co-existence with PHS system operating in 1884.5 - 1915.7 MHz.

NOTE: To simplify the above Table, E-UTRA band numbers are listed for bands which are specified only for E-UTRA operation or both E-UTRA and NR operation. NR band numbers are listed for bands which are specified only for NR operation.

## 6.5B.3.3 Inter-band EN-DC within FR1

### 6.5B.3.3.1 General spurious emissions

The general spurious emissions requirements specified in clause 6.6.3.1 of TS 36.101 [4], clause 6.5.3.1 of TS 38.101-1 [2] and TS 38.101-2 [3] apply for each component carrier. For the case of inter-band EN-DC with a single carrier per cell group, the general spurious emissions requirements also apply with both downlink carrier and both both uplink carriers active. Limits on configured maximum output power for the uplink according to clause 6.2B.4 apply.

NOTE: The general spurious emission requirements with both uplink carriers active are allowed to be verified for only a single inter-band EN-DC configuration per NR band. Furthermore, the requirements are allowed to be verified by measuring spurious emissions at the specific frequencies where second and third order intermodulation products generated by the two transmitted carriers can occur.

**Table 6.5B.3.3.1-1: (Void)**

#### 6.5B.3.3.2 Spurious emission band UE co-existence

This clause specifies the requirements for the specified EN-DC, for coexistence with protected bands. The requirements in Table 6.5B.3.3.2-1 apply on each component carrier with all component carriers are active.

NOTE: For inter-band EN-DC with uplink assigned to one LTE band and one NR band the requirements in Table 6.5B.3.3.2-1 could be verified by measuring spurious emissions at the specific frequencies where second and third order intermodulation products generated by the two transmitted carriers can occur;

**Table 6.5B.3.3.2-1: Requirements**

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_1_n3 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 50, 51, 65, 67, 72, 73, 74, 75, 76<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA band 22, 42, 52<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5,17 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 17 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 17 |
| DC_1_n5 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 21, 22, 26, 28, 31, 38, 40, 42, 43, 50, 51, 65, 73, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3,34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA band 41, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_1_n7 | E-UTRA Band 1, 5, 7, 8, 20, 22, 26, 27, 28, 31,32, 40, 42, 43, 50, 51, 52, 65, 67, 72, 74, 75, 76<br>NR Band n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5,16 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 16 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_1_n8 | E-UTRA Band 11, 20, 21, 28, 31, 32, 38, 40, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 7, 22, 41, 42, 43, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1, 8, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5, 16 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC_1_n20 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA Band 38, 42, 69<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 20, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |
| DC_1_n28 | E-UTRA Band 5, 7, 8, 18, 19, 20, 26, 27, 31, 38, 40, 41, 72, 73<br>NR band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 22, 32, 42, 43, 50, 51, 52, 65, 74, 75, 76<br>NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 1, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5,16 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC_1_n38 | E-UTRA Band 1, 3, 5, 8, 20, 22, 27, 28, 31, 32, 34, 40, 42, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | DC_1_n38 |
| DC_1_n40 | E-UTRA Band 1, 5, 7, 8, 20, 22, 26, 27, 28, 31, 32, 38, 41, 42, 43, 44, 45, 50, 51, 52, 65, 67, 68, 69, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5, 17 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 17 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 17 |
| DC_1_n41 | E-UTRA Band 3, 4, 5, 8, 12, 13, 14, 17, 19, 20, 21, 24, 26, 27, 28, 29, 30, 31, 32, 40, 42, 43, 44, 45, 50, 51, 52, 66, 67, 68, 71, 72, 73, 75, 76, 85<br>NR Band n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | NR Band n77, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5, 8 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 8 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 8, 20 |
| | E-UTRA Band 11, 18, 19, 21, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_1A_n50A | E-UTRA Band 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 26, 27, 28, 29, 31, 38, 40, 41, 42, 43, 44, 48, 52, 66, 67, 68, 69, 72, 73, 85 NR Band n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5,16 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC_1_n51 | E-UTRA Band 7, 12, 13, 17, 20, 22, 27, 28, 29, 31, 38, 44, 48, 67, 68, 69, 72, 73 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5, 2 |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 16 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| | E-UTRA Band 5, 6, 8, 26, 30, 40, 41, 42, 43, 46 NR Band n77, n78, n79, | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_1_n71 | E-UTRA Band 1, 5, 26, | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_1_n77 DC_1_n84_ULSUP-TDM_n77 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 40, 41, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC_1_n78 DC_1_n84_ULSUP-TDM_n78 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 40, 41, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC_1_n79 DC_1_n84_ULSUP-TDM_n79 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 21, 26, 28, 34, 40, 41, 42, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC_1_n80 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73,74, 75, 76, NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 22, 42, NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_2_n5 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 28, 29, 30, 42, 48, 50, 51, 53, 66, 70, 71, 74, 85, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2, 5 |
| | E-UTRA Band 2, 25, 48 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 41, 43 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_2_n7 | E-UTRA Band 2, 4, 5, 7, 12, 13, 14, 17, 26, 27, 28, 29, 30, 42, 50, 51, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 43 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2570 | - | 2575 | 1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_2_n12 | E-UTRA Band 5, 13, 14, 17, 24, 26, 27, 30, 41, 50, 53, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 25, 85 NR band n12 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 3 |
| | E-UTRA Band 2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 4, 51, 66, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_2_n28 | E-UTRA Band 5, 26, 27, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 10, 42, 43, 50, 51, 66, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 1, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | 1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_2_n38 | E-UTRA Band 4, 5, 12, 13, 14,17, 27, 28, 29, 30, 42, 50, 51, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 43 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_2_n41 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 42, 48, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 43, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_2A_n48A | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_2_n66 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 42, 48, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_2_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 29, 30, 48, 66 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25, 41, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_2_n77 | E-UTRA Band 4, 5, 12, 13, 14, 17, 26, 29, 30, 41, 65, 66, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_2_n78 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_3_n1 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 50, 51, 65, 67, 72, 73, 74, 75, 76 NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA band 22, 42, 52 NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5,17 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 17 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 17 |
| DC_3_n5 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 21, 22, 26, 28, 31, 38, 40, 42, 43, 50, 51, 65, 73, 74<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3,34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 52<br>Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_3_n7 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 40, 43, 44, 50, 51, 65, 67, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA band 22, 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_3_n8 | E-UTRA Band 1, 11, 20, 21, 28, 31, 32, 33, 34, 38, 39, 40, 45, 50, 51, 65, 67,68, 69, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2, 5 |
| | E-UTRA band 7, 22, 41, 42, 43, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_3_n20 | E-UTRA Band 1, 7, 8, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3<br>NR band n20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 22, 38, 42, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |
| DC_3_n28 | E-UTRA Band 1, 42, 43, 50, 51, 65, 74, 75, 76<br>NR band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 5, 7, 8, 18, 19, 20, 26, 27, 31, 34, 38, 40, 41, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 13 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC_3_n34 | E-UTRA Band 1, 7, 8, 11, 18, 19, 20, 21, 26, 28, 31, 32, 33, 38, 39, 40, 41, 43, 44, 45, 50, 51, 65, 67, 69,72, 73, 74, 75, 76, 79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 22, 42, 52<br>NR Band n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_3_n38 | E-UTRA Band 1, 5, 8, 20, 27, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 22, 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_3_n40 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 38, 39, 41, 43, 44. 45, 50, 51, 65, 67, 68, 69, 72, 73, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 22, 42, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_3_n41, DC_3_n80_ULSUP-TDM_n41 | E-UTRA Band 1, 5, 8, 11, 18, 19, 21, 26, 27, 28, 34, 39, 40, 44, 45, 50, 51, 65, 73, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_3_n50 | E-UTRA Band 5, 7, 8, 12, 13, 17, 18, 19, 20, 26, 27, 28, 29, 31, 38, 40, 41, 43, 44, 48, 52, 67, 68, 69, 72, 73 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 2, 4, 33, 34, 39, 42, 65, 66<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | |
| DC_3_n51 | E-UTRA Band 7, 8, 12, 13, 17, 20, 27, 28, 31, 33, 38, 48, 67, 68, 69, 72, 73 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA Band 1, 5, 6, 22, 26, 30, 34, 36, 40, 41, 42, 43, 44, 46, 65, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_3_n71 | E-UTRA Band 5, 26, | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 3, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_3_n77<br>DC_3_n80_ULSUP-TDM_n77 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 39, 40, 41, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_3_n78<br>DC_3_n80_ULSUP-TDM_n78 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 39, 40, 41, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_3_n79<br>DC_3_n80_ULSUP-TDM_n79 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 28, 34, 39, 40, 41, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_3_n82 | E-UTRA Band 1, 3 7, 8, 20，22, 31, 32, 33, 34, 38, 40, 43, 50, 51, 65, 67, 68, 69, 72,74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_3_n84 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73,74, 75, 76<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_4_n2 | E-UTRA Band 4, 5, 10, 12, 13, 14, 17, 22, 24, 26, 27, 28, 29, 30, 41, 50, 51, 53, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 42, 43,<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_4_n5 | Bands 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 17, 24, 25, 28, 29, 30, 34, 38, 40, 43, 45, 50, 51, 65, 66, 70, 71, n71, 85, n257 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Bands 41, 42, 48, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 18, 19 | $F_{DL_low}$ | - | $F_{DL_high}$ | -40 | 1 | |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_4_n7 | E-UTRA Band 2, 4, 5, 7, 10, 12, 13, 14, 17, 26, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| DC_4_n28 | E-UTRA Band 2, 5, 7, 25, 26, 27, 38, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 10, 42, 43, 50, 51, 66, 74,<br>NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| DC_4_n38 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_4_n41 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 27, 28, 29, 30, 48, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42,<br>NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_4_n78 | E-UTRA Band 5, 7, 26, 28, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_5_n2 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 28, 29, 30, 42, 50, 51, 53, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | NR Band n2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 | |
| | E-UTRA Band 41, 43,<br>NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_5_n7 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 28, 29, 30, 31, 34, 40, 42, 43, 65, 66, 71, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA Band 52<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 26 | 859 | - | 869 | -27 | 1 | |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 7, 6 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 7, 6 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 14 |
| DC_5_n12 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 30, 42, 43, 50, 51, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Bands 4, 41, 48, 66, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 12, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_5_n38 | E-UTRA Band 1, 2, 3, 4, 5, 8, 12, 13, 14, 17, 28, 29, 30, 31, 34, 40, 42, 43, 50, 51, 65, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_5_n40 | E-UTRA Band 1, 3, 5, 7, 8, 28, 31, 34, 38, 42, 43, 45, 65, 73 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 | |
| | E-UTRA Band 41, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_5_n48 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 29, 30, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 | |
| | E-UTRA Band 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_5_n66 | E-UTRA Band 1, 2, 3, 4, 5, 6, 7, 8, 12, 13, 14, 17, 24, 25, 28, 29, 30, 34, 38, 40, 43, 45, 50, 51, 65, 66, 70, 71, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 | |
| | E-UTRA Band 41, 42, 48, 52, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_5_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 30, 48, 66, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25, 41, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 29 | $F_{DL_low}$ | - | $F_{DL_high}$ | -38 | 1 | 5 |
| | E-UTRA Band 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_5_n77 | E-UTRA Band 2, 4, 12, 13, 14, 17, 25, 26, 28, 29, 30, 65, 66, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA Band 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_5_n78 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 24, 25, 28, 29, 30, 31, 34, 38, 40, 45, 65, 66, 70 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 | |
| | E-UTRA Band 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 7 |
| DC_5_n79 | Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 24, 25, 28, 29, 30, 31, 34, 38, 40, 42, 43, 45, 48, 50, 51, 65, 66, 70, 71, 73, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 | |
| | Bands 41, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_7_n1 | Band 1, 5, 7, 8, 20, 22, 26, 27, 28, 31,32, 40, 42, 43, 50, 51, 52, 65, 67, 72, 74, 75, 76, n78,n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5,16 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7,16 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7,16 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_7_n2 | E-UTRA Band 4, 5, 7, 10, 12, 13, 14, 17, 26, 27, 28, 29, 30, 42, 50, 51, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 43 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | 1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_7_n3 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA band 22, 42, 52<br>NR band n78, n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_7_n5 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 22, 26, 28, 29, 30, 31, 40, 42, 43, 50, 51, 65, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 52<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 7, 6 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 7, 6 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 14 |
| DC_7_n8 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 7, 22, 42, 43, 52<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_7_n20 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42, 52<br>NR band n78, n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_7_n28 | E-UTRA Band 2, 3, 5, 7, 8, 20, 26, 27, 31, 34, 40, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 4, 42, 43, 50, 51, 65, 66, 74, 75, 76<br>NR band n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_7_n40 | E-UTRA Band 1, 3, 5, 7, 8, 20, 22, 26, 27, 28, 31, 32, 33, 34, 42, 43, 50, 51, 52, 65, 67, 68, 72, 74, 75, 76, 77, 78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_7_n51 | E-UTRA Band 2, 3, 5, 8, 26, 30, 31, 32, 33, 34, 40, 48, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 7, 16 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5 |
| | E-UTRA Band 1, 4, 12, 13, 14, 17, 20, 22, 23, 27, 28, 29, 42, 43, 44, 46, 65, 66, 67, 68<br>NR Band n77, n78, n79, | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_7_n66 | E-UTRA Band 2, 4, 5, 7, 12, 13, 14, 17, 26, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_7_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 26, 30, 66, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 70 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 29 | $F_{DL_low}$ | - | $F_{DL_high}$ | -38 | 1 | 5 |
| | Frequency range | 2570 | - | 2575 | 1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_7_n77 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 40, 50, 51, 65, 66, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_7_n78 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 40, 50, 51, 65, 66, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_8_n1 | E-UTRA Band 20, 28, 31, 32, 38, 40, 50, 51, 65, 67, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA band 3, 7, 22, 41, 42, 43, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1, 8, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 12 |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5, 16 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC_8_n2 | E-UTRA Band 2, 8, 28, 50, 51, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 41, 42, 43 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_8_n3 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 44, 50, 51, 65, 67, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2, 5 |
| | E-UTRA band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 12 |
| | E-UTRA band 7, 22, 41, 42, 43, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3.12 |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5. 12 |
| DC_8_n7 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 17, 20, 22, 26, 27, 28, 29, 30, 31, 32, 33, 34, 40, 42, 43, 45, 50, 51, 52, 65, 66, 67, 68, 69, 72, 73, 74, 75, 76, 85, | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 7, 22, 41, 42, 43, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 12 |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_7_n80 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76.<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 22, 42,<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_8_n20 | E-UTRA Band 1, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 7, 22, 38, 42, 43, 52, 69<br>NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8, 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |
| DC_8_n28 | E-UTRA Band 20, 31, 34, 38, 40, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 7, 22, 41, 42, 43, 50, 51, 65, 73, 74, 75, 76<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2, 9, 11 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10, 12 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9, 12 |
| DC_8_n34 | E-UTRA Band 1, 20, 28, 31, 32, 33, 38, 39, 40, 45, 50, 51, 65, 67, 69,72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 7, 22, 41, 42, 43, 52<br>NR Band n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 12 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| DC_8_n39 | E-UTRA Band 1, 28, 34, 40, 45, 50, 51, 73, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | UTRA Band 22, 41, 42, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_8_n40 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39,, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 7, 22, 41, 42, 43, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_8_n41, DC_8_n81_ULSUP-TDM_n41 | E-UTRA Band 1, 11, 21, 28, 34, 39, 40, 45, 50, 51, 65, 73, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 42, 52<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| | Frequency range | 1884.5 | | 1915.7 | -41 | 0.3 | 3 |
| DC_8_n77 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 7, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 12 |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
| DC_8_n78 DC_8_n81_ULSUP-TDM_n78 | E-UTRA Band 1, 20, 28, 34, 39, 40, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 7, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 12 |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
| DC_8_n79 DC_8_n81_ULSUP-TDM_n79 | E-UTRA Band 1, 8, 28, 34, 39, 40, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3,41,42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 12 |
| | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_8_n80 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 3, 7, 22, 41, 42, 43, 52<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 13 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_8A_93A_ULSUP-TDM,<br>DC_8A_94A_ULSUP-TDM | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | $F_{DL_low}$<br>$F_{DL_low}$ | -<br>- | $F_{DL_high}$<br>$F_{DL_high}$ | -50<br>-50 | 1<br>1 | 2 |
| | E-UTRA band 3, 7, 22, 41, 42, 43, 52,<br>NR Band n77, n78 | $F_{DL_low}$<br>$F_{DL_low}$ | -<br>- | $F_{DL_high}$<br>$F_{DL_high}$ | -50<br>-50 | 1<br>1 | 5 |
| | E-UTRA 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_11_n3 | E-UTRA Band 1, 11, 18, 19, 21, 28, 34, 65<br>NR band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 42<br>NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_11_n28 | E-UTRA Band 3, 18, 19, 34<br>NR band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 1, 42, 65, 74<br>NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_11_n77 | E-UTRA Band 1, 3, 18, 19, 28, 34, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_11_n78 | E-UTRA Band 1, 3, 18, 19, 28, 34, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_11_n79 | E-UTRA Band 1, 3, 18, 19, 28, 34, 42, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_12_n2 | E-UTRA Band 5, 13, 14, 17, 24, 26, 27, 30, 41, 50, 53, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 12, 25, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 3 |
| | E-UTRA Band 2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 4, 51, 66, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_12_n5 | E-UTRA Band 2, 5, 12, 13, 14, 17, 24, 25, 26, 30, 42, 43 50, 51, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Bands 4, 41, 48, 66, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 12, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_12_n66 | E-UTRA Band 2, 5, 13, 14, 17, 25, 26, 27, 30, 41, 53, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 48, 50, 51, 66, 70<br>NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 12, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_12_n7 | E-UTRA Band 2, 5, 7, 13, 14, 17, 26, 27, 30, 74,<br>NR Band n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 50, 51,66 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 12, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_12_n25 | E-UTRA Band 5, 13, 14, 17, 24, 26, 27, 30, 41, 48, 53, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 66, 70.<br>NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 2, 12, 25, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 15 |
| DC_12_n38 | E-UTRA Band 2, 5, 13. 14. 17, 27, 30, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 50, 51, 66 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 12, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_12_n41 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 27, 30, 48, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 4, 50, 51, 66, 70 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 12, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_12_n78 | E-UTRA Band 2, 5, 7. 13, 17, 25, 26, 41, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 66 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 12 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_13_n2 | E-UTRA Band 4, 5,12,13,17, 26, 29, 41, 48, 66, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2,14, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 30 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC_13_n5 | E-UTRA Band 2, 4, 5, 12, 13, 17, 25, 26, 29, 48, 50, 51, 53, 66, 70, 71, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 | |
| | E-UTRA Band 24, 30, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 14 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC_13_n7 | E-UTRA Band 2, 4, 5, 7, 12, 13, 17,25，26, 27, 29, 50, 51, 66，74, 85<br>NR Band n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 30 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 14 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_13_n48 | E-UTRA Band 2, 4, 5, 12, 13, 17, 25, 26, 27, 29, 41, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 14 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 24, 30 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC_13_n66 | E-UTRA Band 2, 4, 5, 12, 13, 17, 25, 26, 27, 29, 41, 50, 51, 53, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 14 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 30, 48, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| | Frequency range | 799 | - | 803 | -35 | 0.00625 | 5 |
| DC_13_n71 | E-UTRA Band 4, 5, 12, 13, 17, 26, 48, 66, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 24, 25, 30, 41, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 29 | $F_{DL_low}$ | - | $F_{DL_high}$ | -38 | 1 | 5 |
| | E-UTRA Band 14, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC_13_n77 | E-UTRA Band 2, 4, 5, 10, 12, 13, 17, 25, 26, 29, 41, 66, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 14 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 24, 30 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_18_n28 | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | E-UTRA Band 1, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2, 9, 11 |
| | E-UTRA Band 42, 43 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 799 | -50 | 1 | |
| | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
| | Frequency range | 860 | - | 890 | -40 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | 5 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_18_n41 | E-UTRA Band 1, 3, 11, 19, 21, 28, 34, 42, 65<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_13_n78 | E-UTRA Band 2, 5, 7, 12, 13, 25, 26, 41, 66 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC_18_n3 | E-UTRA Band 1, 3, 11, 18, 19, 21, 28, 34, 42, 65<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_18_n77 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_18_n78 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_18_n79 | E-UTRA Band 1, 3, 11, 21, 28, 34, 42, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_19_n1 | E-UTRA Band 1, 11, 21, 28, 42, 65, 74<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 16 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_19_n77 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_19_n78 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_19_n79 | E-UTRA Band 1, 3, 11, 21, 28, 34, 42, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_20_n1 | E-UTRA Band 1, 3, 7, 8, 20, 22, 31, 32, 34, 40, 42, 43, 50, 51, 65, 67, 68, 72, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 38, 69<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_20_n3 | E-UTRA Band 1, 7, 8, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 20<br>E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 22, 38, 42, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |
| DC_20_n7 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42, 52<br>NR band n78, n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_20_n8 | E-UTRA Band 1, 3, 7, 22, 28, 31, 32, 34, 38, 42, 43, 65, 75, 76<br>NR bandn78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_20_n38 | E-UTRA Band 1, 3, 8, 22, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_20_n41 | E-UTRA Band 1, 2, 4, 24, 25, 30, 31, 32, 33, 34, 39, 40, 43, 48, 50, 51, 65, 66, 70, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 8, 12, 13, 14, 17, 42, 44, 45, 52, 67, 68, 71, 85<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |
| | E-UTRA Band 9, 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 19 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 19 |
| DC_20_n28<br>DC_20_n83 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 34, 38, 42, 43, 65, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_20_n50 | E-UTRA Band 2, 3, 7, 12, 17, 31, 33, 39, 41, 43, 48, 52, 65, 67, 68, 69, 72, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 4, 5, 8, 13, 34, 38, 40, 42<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_20_n51 | E-UTRA Band 1, 3, 4, 8, 17, 22, 28, 29, 31, 40, 43, 48, 65, 66, 68, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |
| | E-UTRA Band 2, 7, 25, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 46, 69, 70<br>NR Band n77, n78, n79, | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_20_n77 | E-UTRA Band 1, 3, 7, 8, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 38, 69 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_20_n78, DC_20_n82_ULSUP-TDM_n78 | E-UTRA Band 1, 3, 7, 8, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 38, 69 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_20_n80 | E-UTRA Band 1, 7, 8, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76.<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 22, 42,<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_20A_91A_ULSUP-TDM, DC_20A_92A_ULSUP-TDM | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 33, 34, 40, 42, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 38, 42, 69,<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 758 | - | 788 | -50 | 1 | |
| DC_21_n1 | E-UTRA Band 1, 18, 19, 28, 42, 65<br>NR Band n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 16 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_21_n77 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_21_n78 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_21_n79 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 42, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_25_n41 | E-UTRA Band 4, 5, 12, 13 , 14, 17, 24, 26, 27, 28, 29, 30, 42, 45, 48, 66, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_26_n25 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 29, 30, 42, 48, 53, 66, 70, 71, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 41, 43 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_26_n41 | E-UTRA Band 1, 2, 3, 4, 5, 11, 12, 13 , 14, 17, 18, 19, 21, 24, 25, 26, 29, 30, 31, 34, 39, 42, 43, 48, 50, 51, 65, 66, 70, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 703 | - | 799 | -50 | 1 | |
| | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| DC_26_n77 | E-UTRA Band 1, 3, 5, 11, 18, 19, 21, 26, 34, 39, 40, 41, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 703 | - | 799 | -50 | 1 | |
| | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_26_n78 | E-UTRA Band 1, 3, 5, 11, 18, 19, 21, 26, 34, 39, 40, 41, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 703 | - | 799 | -50 | 1 | |
| | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_26_n79 | E-UTRA Band 1, 3, 5, 11, 18, 19, 21, 26, 34, 39, 40, 41, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 703 | - | 799 | -50 | 1 | |
| | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
| | Frequency range | 945 | - | 960 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| | Frequency range | 2545 | - | 2575 | -50 | 1 | |
| | Frequency range | 2595 | - | 2645 | -50 | 1 | |
| DC_28_n1 | E-UTRA Band 5, 7, 8, 18, 19, 20, 26, 27, 31, 38, 40, 41, 72, 73 NR band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 22, 32, 42, 43, 50, 51, 52, 65, 74, 75, 76 NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5,16 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC_28_n2 | E-UTRA Band 5, 26, 27, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA Band 4, 10, 42, 43, 50, 51, 66, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 1, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | 1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_28_n3 | E-UTRA Band 1, 22, 42, 43, 50, 51, 65, 74, 75, 76,<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 27, 31, 34, 38, 40, 41, 72, 73<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC_28_n5 | E-UTRA Band 2, 3, 5, 7, 8, 14, 18, 19, 24, 25, 26, 28, 30, 31, 34, 38, 40, 45, 48, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | | |
| | E-UTRA Band 1, 4, 22, 32, 41, 42, 43, 50, 51, 52, 65, 66, 73, 74, 75, 76<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 773 | - | 803 | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_28_n7 | E-UTRA Band 2, 3, 5, 8, 20, 26, 27, 31, 34, 40, 72<br>NR band n7 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 22, 32, 42, 43, 50, 51, 52, 65, 66, 74, 75, 76<br>NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_28_n8 | E-UTRA Band 20, 31, 34, 38, 40, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 3, 7, 22, 41, 42, 43, 50, 51, 52, 65, 73, 74, 75, 76<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 8 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC_28_n40 | E-UTRA Band 3, 5, 7, 8, 20, 26, 27, 31, 34, 38, 41, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA band 22, 32, 42, 43, 50, 51, 52, 65, 73, 74, 75, 76<br>NR Band, n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_28_n41<br>DC_28_n83_ULSUP-TDM_n41 | E-UTRA Band 4, 14, 18, 19, 20, 26, 27, 39, 42, 43, 50, 51, 52, 65, 66, 71, 73<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 2, 3, 5, 8, 24, 25, 30, 31, 34, 40, 48, 70, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 11, 21, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC_28_n50 | E-UTRA Band 4, 40, 42, 43, 65, 66, 73<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | E-UTRA Band 2, 3, 5, 7, 8, 18, 19, 25, 26, 27, 31, 34, 38, 39, 41, 48, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| DC_28_n51 | E-UTRA Band 2, 3, 5, 7, 8, 25, 26, 31, 34, 38, 40, 41, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 20, 22, 24, 32, 42, 43, 45, 46, 65, 66, 71, 73<br>NR band n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2, 9, 10 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| DC_28_n66 | E-UTRA Band 2, 5, 7, 25, 26, 27, 38, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 10, 42, 43, 50, 51, 66, 74,<br>NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| DC_28_n77 | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 34, 39, 40, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 758 | - | 773 | -32 | 1 | |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC_28_n78<br>DC_28_n83_ULSUP-TDM_n78 | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 34, 39, 40, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 758 | - | 773 | -32 | 1 | |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC_28_n79 | E-UTRA Band 3, 5, 8, 18, 19, 34, 39, 40, 41, 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 11, 21 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 758 | - | 773 | -32 | 1 | |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC_30_n2 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 42, 48, 50, 51, 53, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 43,<br>NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_30_n5 | E-UTRA Band 2, 4, 5, 7, 12, 13, 14, 17, 24, 25, 26, 29, 30, 38, 48, 53, 66, 70, 71, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 41,<br>NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_30_n66 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 27, 29, 30, 38, 41, 66, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 48,<br>NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_38_n78 | N/A | | | | | | |
| DC_39_n40 | E-UTRA Band 1, 8, 22, 26, 28, 34, 41, 42, 44, 45, 50, 51, 52, 73, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1805 | | 1855 | -40 | 1 | 18 |
| | Frequency range | 1855 | | 1880 | -15.5 | 5 | 5, 7, 18 |
| DC_39_n41 | E-UTRA Band 1, 8, 26, 28, 34, 40, 42, 44, 45, 50, 51, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1805 | - | 1855 | -40 | 1 | 5 |
| | Frequency range | 1855 | - | 1880 | -15.5 | 5 | 5, 7, 19 |
| DC_39_n78 | E-UTRA Band 1, 8, 28, 34, 40, 41, 44, 45 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1805 | - | 1855 | -40 | 1 | 18 |
| | Frequency range | 1855 | - | 1880 | -15.5 | 5 | 18 |
| DC_39_n79 | E-UTRA Band 1, 8, 28, 34, 40, 41, 44, 45 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1805 | - | 1855 | -40 | 1 | 18 |
| | Frequency range | 1855 | - | 1880 | -15.5 | 5 | 18 |
| DC_40_n1 | E-UTRA Band 1, 3, 5, 7, 8, 20, 22, 26, 27, 28, 31, 32, 38, 41, 42, 43, 44, 45, 50, 51, 52, 65, 67, 68, 69, 72, 73, 74, 75, 76 NR Band n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | NR Band n77, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_40_n41 | Bands 1, 3, 5, 8, 26, 27, 28, 34, 39, 42, 44, 45, 50, 51, 65, 73, 74, NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_40_n77 | N/A | | | | | | |
| DC_40_n78 | E-UTRA Band 1, 3, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 38, 39, 41, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_40_n79 | Bands 1, 3, 5, 8, 11, 18, 19, 21, 28, 34, 39, 41, 42, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_41_n3 | E-UTRA Band 1, 5, 8, 26, 27, 28, 34, 39, 40, 44, 45, 50, 51, 65, 73, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 42, 52 NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_41_n28 | E-UTRA Band 4, 14, 18, 19, 20, 26, 27, 39, 42, 43, 50, 51, 52, 65, 66, 71, 73<br>NR Band n77, n78, n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 1 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 11 |
| | E-UTRA Band 2, 3, 5, 8, 24, 25, 30, 31, 34, 40, 48, 70, 72 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 11, 21, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 9, 10 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC_41_n77 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 26, 28, 33, 34, 39, 40, 44, 45, 73, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | | 1915.7 | -41 | 0.3 | 3 |
| DC_41_n78 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 26, 28, 34, 39, 40, 44, 45, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_41_n79 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 26, 28, 34, 40, 42, 44, 45, 65, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_42_n1 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76,<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3, 34 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 16 |
| | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC_42_n3 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 38, 40, 41, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 3 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_42_n51 | E-UTRA Band 3, 8, 20, 25, 30, 31, 34, 39, 41, 73 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 1, 2, 4, 5, 6, 7, 12, 13, 14, 17, 23, 24, 26, 27, 28, 29, 32, 38, 40, 44, 46, 65, 66, 67, 68, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_42_n77 | N/A | | | | | | |
| DC_42_n78 | N/A | | | | | | |
| DC_42_n79 | N/A | | | | | | |
| DC_48_n5 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC_48_n12 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 30, 41, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 50, 51, 66, 70 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 12, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_48_n25 | E-UTRA Band 4, 5, 12, 13 , 14, 17, 24, 26, 29, 30, 41, 66, 70, 71, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | |
| | Frequency range | 1880 | | 1895 | -40 | 1 | 5, 16 |
| | Frequency range | 1895 | | 1915 | -15.5 | 5 | 5, 7, 16 |
| | Frequency range | 1915 | | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC_48_n66 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_48_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 30, 50, 51, 53, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25, 41, 70 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 29 | $F_{DL_low}$ | - | $F_{DL_high}$ | -38 | 1 | 5 |
| | E-UTRA Band 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_66_n2 | E-UTRA Band 4, 5, 12, 13, 14, 17, 22, 24, 26, 27, 28, 29, 30, 41, 50, 51, 53, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 42, 43, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC_66_n5 | E-UTRA Band 1, 2, 3, 4, 5, 6, 7, 8, 12, 13, 14, 17, 24, 25, 26, 28, 29, 30, 34, 38, 40, 43, 45, 50, 51, 65, 66, 70, 71, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 41, 42, 48, 52, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_66_n7 | E-UTRA Band 2, 4, 5, 7, 12, 13, 14, 17, 26, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC_66_n12 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 27, 30, 41, 50, 53, 70, 71, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 51, 66, 48, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 12, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_66_n25 | E-UTRA Band 4, 5, 7, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 38, 41, 50, 51, 53, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42, 48, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 25 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| | E-UTRA Band 43 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_66_n28 | E-UTRA Band 2, 5, 7, 25, 26, 27, 38, 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 4, 10, 42, 43, 50, 51, 66, 74, NR band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| | Frequency range | 773 | - | 803 | -50 | 1 | |
| DC_66_n41 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 27, 28, 29, 30, 43, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA Band 42, 48, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| DC_66_n38 | EUTRA 2, 4, 5, 12, 13,14,17, 25, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | Frequency range | 2620 | - | 2645 | -15.5 | 5 | 5, 7, 22 |
| | Frequency range | 2645 | - | 2690 | -40 | 1 | 5, 22 |
| DC_66_n48 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_66_n71 | E-UTRA Band 4, 5, 7, 13, 14, 17, 22, 24, 26, 27, 29, 30, 43, 50, 51, 66, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25, 41, 42, 48, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_66_n77 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 26, 29, 30, 41, 65, 66, 70, 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_66_n78, DC_66_n86_ULSUP-TDM_n78 | E-UTRA Band 1, 3, 5, 7, 8, 20, 26, 28, 34, 39, 40, 41, 65 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_71_n5 | E-UTRA Band 4, 12, 13, 14, 17, 24, 26, 30, 48, 66, 85 NR Band n5 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25, 41, 70, NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 29 | $F_{DL_low}$ | - | $F_{DL_high}$ | -38 | 1 | 5 |
| | E-UTRA Band 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_71_n38 | E-UTRA Band 4, 5, 12, 13, 14, 17, 30, 66, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA band 29 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_71_n48 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| DC_71_n66 | E-UTRA Band 4, 5, 7, 13, 14, 17, 22, 24, 26, 27, 29, 30, 43, 50, 51, 66, 74 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |

| EN-DC Configuration | Spurious emission | | | | | |
|---|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| | E-UTRA Band 2, 25, 41, 42, 48, 70,<br>NR Band n77 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | E-UTRA Band 71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 5 |
| DC_71_n78 | E-UTRA Band 5, 26 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 41 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |

NOTE 1: $F_{DL_low}$ and $F_{DL_high}$ refer to each E-UTRA frequency band specified in Table 5.5-1 in TS 36.101 [4].

NOTE 2: As exceptions, measurements with a level up to the applicable requirements defined in Table 6.6.3.1-2 are permitted for each assigned E-UTRA carrier used in the measurement due to 2nd, 3rd, 4th or 5th harmonic spurious emissions. Due to spreading of the harmonic emission the exception is also allowed for the first 1 MHz frequency range immediately outside the harmonic emission on both sides of the harmonic emission. This results in an overall exception interval centred at the harmonic emission of (2 MHz + N x $L_{CRB}$ x 180 kHz), where N is 2, 3, 4, 5 for the 2nd, 3rd, 4th or 5th harmonic respectively. The exception is allowed if the measurement bandwidth (MBW) totally or partially overlaps the overall exception interval.

NOTE 3: Applicable when co-existence with PHS system operating in 1884.5 - 1915.7 MHz

NOTE 4: Void

NOTE 5: These requirements also apply for the frequency ranges that are less than $F_{OOB}$ (MHz) in Table 6.6.3.1-1 and Table 6.6.3.1A-1 from the edge of the channel bandwidth.

NOTE 6: This requirement is applicable for any channel bandwidths within the range 2500 - 2570 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 2560.5 - 2562.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 2552 - 2560 MHz the requirement is applicable only for an uplink transmission bandwidth less than or equal to 54 RB.

NOTE 7: For these adjacent bands, the emission limit could imply risk of harmful interference to UE(s) operating in the protected operating band.

NOTE 8: This requirement is applicable for any channel bandwidths within the range 1920 - 1980 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 1927.5 - 1929.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 1930 - 1938 MHz the requirement is applicable only for an uplink

NOTE 9: Applicable when the assigned E-UTRA carrier is confined within 718 MHz and 748 MHz and when the channel bandwidth used is 5 or 10 MHz.

NOTE 10: As exceptions, measurements with a level up to the applicable requirement of -38 dBm/MHz is permitted for each assigned E-UTRA carrier used in the measurement due to 2nd harmonic spurious emissions. An exception is allowed if there is at least one individual RB within the transmission bandwidth (see Figure 5.6-1) for which the 2nd harmonic totally or partially overlaps the measurement bandwidth (MBW).

NOTE 11: As exceptions, measurements with a level up to the applicable requirement of -36 dBm/MHz is permitted for each assigned E-UTRA carrier used in the measurement due to 3rd harmonic spurious emissions. An exception is allowed if there is at least one individual RB within the transmission bandwidth (see Figure 5.6-1) for which the 3rd harmonic totally or partially overlaps the measurement bandwidth (MBW).

NOTE 12: This requirement is applicable only for the following cases: A: for carriers of 5 MHz channel bandwidth when carrier centre frequency (Fc) is within the range 902.5 MHz ≤ Fc < 907.5 MHz with an uplink transmission bandwidth less than or equal to 20 RB; B: for carriers of 5 MHz channel bandwidth when carrier centre frequency (Fc) is within the range 907.5 MHz ≤ Fc ≤ 912.5 MHz without any restriction on uplink transmission bandwidth; C: for carriers of 10 MHz channel bandwidth when carrier centre frequency (Fc) is Fc = 910 MHz with an uplink transmission bandwidth less than or equal to 32 RB with $RB_{start}$ > 3.

| EN-DC Configuration | Spurious emission | | | | |
|---|---|---|---|---|---|
| | Protected band | Frequency range (MHz) | Maximum Level (dBm) | MBW (MHz) | NOTE |

NOTE 13: Void
NOTE 14: This requirement is applicable for 5 and 10 MHz E-UTRA channel bandwidth allocated within 718-728MHz. For carriers of 10 MHz bandwidth, this requirement applies for an uplink transmission bandwidth less than or equal to 30 RB with $RB_{start}$ > 1 and $RB_{start}$ < 48.
NOTE 15: Void
NOTE 16: This requirement is applicable for any channel bandwidths within the range 1920 - 1980 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 1927.5 - 1929.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 1930 - 1938 MHz the requirement is applicable only for an uplink transmission bandwidth less than or equal to 54 RB.
NOTE 17: This requirement is applicable in the case of a 10 MHz E-UTRA carrier confined within 703 MHz and 733 MHz, otherwise the requirement of -25 dBm with a measurement bandwidth of 8 MHz applies.
NOTE 18: This requirement is only applicable for E-UTRA carriers with bandwidth confined within 1885 - 1920 MHz (requirement for carriers with at least 1RB confined within 1880 - 1885 MHz is not specified). This requirement applies for an uplink transmission bandwidth less than or equal to 54 RB for E-UTRA carriers of 15 MHz bandwidth when carrier center frequency is within the range 1892.5 - 1894.5 MHz and for E-UTRA carriers of 20 MHz bandwidth when carrier center frequency is within the range 1895 - 1903 MHz.
NOTE 19: Void
NOTE 20: Void.
NOTE 21: Void
NOTE 22: This requirement is applicable for power class 3 UE for any channel bandwidths within the range 2570 - 2615 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 2605.5 - 2607.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 2597 - 2605 MHz the requirement is applicable only for an uplink transmission bandwidth less than or equal to 54 RB.

NOTE: To simplify the above Table, E-UTRA band numbers are listed for bands which are specified only for E-UTRA operation or both E-UTRA and NR operation. NR band numbers are listed for bands which are specified only for NR operation.

## 6.5B.3.3a Inter-band NE-DC within FR1

### 6.5B.3.3a.1 General spurious emissions

The general spurious emissions requirements specified in clause 6.6.3.1 of TS 36.101 [4], clause 6.5.3.1 of TS 38.101-1 [2] and TS 38.101-2 [3] apply for each component carrier.

### 6.5B.3.3a.2 Spurious emission band UE co-existence

This clause specifies the requirements for the specified NE-DC configurations that do not have a corresponding defined EN-DC, for coexistence with protected bands. For the NE-DC configurations that have a corresponding specified EN-DC configuration, the requirements in Table 6.5B.3.3.2-1 apply on each component carrier with all component carriers are active.

## 6.5B.3.4 Inter-band EN-DC including FR2

General spurious requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.3.1 and 6.6.3.1A of TS 36.101 [4] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.5.3, 6.5A.3 and 6.5D.3 of TS 38.101-2 [3] apply.

### 6.5B.3.4.1 Spurious emission band UE co-existence

This clause specifies the requirements for the specified EN-DC, for coexistence with protected bands. Unless otherwise stated, for inter-band EN-DC configurations defined in table 5.5B.5.1-1, no requirements for FR2 NR bands to protect E-UTRA and FR1 NR bands are applied to the constituent FR2 NR bands. Spurious emission band UE co-existence requirements specified in TS 36.101 [4] are applied to the constituent E-UTRA bands for the EN-DC configuration.

Spurious emission band UE co-existence requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.3.2 and 6.6.3.2A of TS 36.101 [4] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.5.3.1, 6.5A.3.1 and 6.5D.3.1 of TS 38.101-2 [3] apply.

**Table 6.5B.3.4.1-1: Void**

## 6.5B.3.4a Inter-band NE-DC including FR2

General spurious requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.3.1 and 6.6.3.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.5.3, 6.5A.3 and 6.5D.3 of TS 38.101-2 [3] apply.

### 6.5B.3.4a.1 Spurious emission band UE co-existence

Unless otherwise stated in this clause, the requirements for the correspondingly specified EN-DC configurations in clause 6.5B.3.4.1 is applicable.

## 6.5B.3.5 Inter-band EN-DC including both FR1 and FR2

General spurious requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.3.1 and 6.6.3.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.5.3.1 and 6.5A.3.1 of TS 38.101-1 [2] and clause 6.5.3, 6.5A.3 and 6.5D.3 of TS 38.101-2 [3] apply.

### 6.5B.3.5.1 Spurious emission band UE co-existence

This clause specifies the requirements for the specified EN-DC, for coexistence with protected bands. Unless otherwise stated, for inter-band EN-DC configurations defined in clause 5.5B.6, no requirements for FR2 NR bands to protect E-UTRA and FR1 NR bands are applied to the constituent FR2 NR bands. Spurious emission band UE co-existence requirements for constituent E-UTRA and FR1 NR bands for the inter-band EN-DC are the same as those for the corresponding EN-DC configuration without the FR2 bands specified in 6.5B.3.2.2.

Spurious emission band UE co-existence requirement for E-UTRA single carrier and CA operation specified in clauses 6.6.3.2 and 6.6.3.2A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 6.5.3.2 and

6.5A.3.2 of TS 38.101-1 [2] and for NR single carrier, CA operation and UL-MIMO specified in clause 6.5.3.1, 6.5A.3.1 and 6.5D.3.1 of TS 38.101-2 [3] apply.

**Table 6.5B.3.5.1-1: Void**

# 6.5B.4 Additional spurious emissions

## 6.5B.4.1 General

These requirements are specified in terms of an additional spectrum emission requirement. Additional spurious emission requirements are signalled by the network to indicate that the UE shall meet an additional requirement for a specific deployment scenario as part of the cell handover/broadcast message.

NOTE: For measurement conditions at the edge of each frequency range, the lowest frequency of the measurement position in each frequency range should be set at the lowest boundary of the frequency range plus MBW/2. The highest frequency of the measurement position in each frequency range should be set at the highest boundary of the frequency range minus MBW/2. MBW denotes the measurement bandwidth defined for the protected band.

### 6.5B.4.1.1 Minimum requirement (network signalled value "NS_04")

When "NS 04" is indicated in the cell, the power of any UE emission shall not exceed the levels specified in Table 6.5B.4.1.1-1. This requirement also applies for the frequency ranges that are less than $F_{OOB}$ (MHz) in Table 6.6.3.1-1 from the edge of the channel bandwidth.

**Table 6.5B.4.1.1-1: Additional requirements**

| Frequency band (MHz) | Channel bandwidth / Spectrum emission limit (dBm) | Measurement bandwidth |
|---|---|---|
| 2495 ≤ f < 2496 | -13 | 1 % of Channel BW for contiguous BW up to 100 MHz,<br>1 MHz for contiguous BW > 100 MHz |
| 2490.5 ≤ f < 2495 | -13 | 1 MHz |
| 0 < f < 2490.5 | -25 | 1 MHz |

# 6.5B.5 Transmit intermodulation for DC

## 6.5B.5.1 Intra-band contiguous EN-DC

Unless otherwise stated, no transmit intermodulation requirements are applied for intra band contiguous EN DC.

## 6.5B.5.2 Intra-band non-contiguous EN-DC

Unless otherwise stated, no transmit intermodulation requirements are applied for intra band non contiguous EN DC.

## 6.5B.5.3 Inter-band EN-DC within FR1

The transmit intermodulation requirement specified in clauses 6.7.1 of TS 36.101 [4] and clauses 6.5.4 and 6.5A.4 of TS 38.101-1 [2] apply for each component carrier in E-UTRA bands and NR bands, respectively.

## 6.5B.5.3a Inter-band NE-DC within FR1

The transmit intermodulation requirement specified in clauses 6.7.1 and 6.7.1A of TS 36.101 [4] and clauses 6.5.4 and 6.5A.4 of TS 38.101-1 [2] apply for each component carrier in E-UTRA bands and NR bands, respectively.

#### 6.5B.5.4 Inter-band EN-DC including FR2

Transmit intermodulation requirements specified in clause 6.7.1 and 6.7.1A of TS 36.101 [4] apply for each component carrier in E-UTRA bands.

#### 6.5B.5.4a Inter-band NE-DC including FR2

Transmit intermodulation requirements specified in clause 6.7.1 and 6.7.1A of TS 36.101 [4] apply for each component carrier in E-UTRA bands.

#### 6.5B.5.5 Inter-band EN-DC including both FR1 and FR2

Transmit intermodulation requirement specified in clauses 6.7.1 and 6.7.1A of TS 36.101 [4] and clauses 6.5.4 and 6.5A.4 of TS 38.101-1 [2] apply for each component carrier in E-UTRA bands and NR bands, respectively.

# 6.5E Output RF spectrum emissions for V2X operation in FR1

## 6.5E.1 Occupied bandwidth

### 6.5E.1.1 Intra-band V2X

For intra-band V2X, the occupied bandwidth specified in clause 6.6.1G in TS 36.101 [4] and specified in clause 6.5E.1 in TS 38.101-1 [2] apply for each frequency range respectively.

### 6.5E.1.2 inter-band V2X con-current operation

For the inter-band con-current NR V2X operation, the requirements specified in subclause 6.6.1 of TS 36.101 [4] shall apply for the E-UTRA uplink in licensed band and the requirements specified in subclause 6.5E.1 of TS 38.101-1 [2] shall apply for the sidelink in NR Band n47.

## 6.5E.2 Out-of-band emissions

### 6.5E.2.1 Intra-band V2X

For intra-band V2X, out-of-band emissions specified in clause 6.6.2G in TS 36.101 [4] and specified in clause 6.5E.2 in TS 38.101-1 [2] apply for each frequency range respectively.

### 6.5E.2.2 Inter-band V2X con-current operation

For the inter-band con-current NR V2X operation, the general SEM/additional SEM requirements and ACLR specified in subclause 6.6.2 of TS 36.101 [4] shall apply for the E-UTRA uplink in licensed band and the general SEM/additional SEM and ACLR requirements specified in subclause 6.5E.2 of TS 38.101-1 [2] shall apply for the sidelink in NR Band n47.

## 6.5E.3 Spurious emissions

### 6.5E.3.1 Intra-band V2X

#### 6.5E.3.1.1 General spurious emissions

For intra-band V2X, the general spurious emissions requirements specified in clause 6.6.3.1 of TS 36.101 [4] and clause 6.5C.3.1 of TS 38.101-1 [2] apply for each frequency range respectively.

#### 6.5E.3.1.2 Spurious emission band UE co-existence

For intra-band V2X, the spurious emissions band UE co-existence requirements specified in clause 6.6.3.2 of TS 36.101 [4] and clause 6.5C.3.2 of TS 38.101-1 [2] apply for each frequency range respectively.

### 6.5E.3.2 Inter-band V2X con-current operation

#### 6.5E.3.2.1 General spurious emissions

For inter-band V2X, the general spurious emissions requirements specified in clause 6.6.3.1 of TS 36.101 [4] and clause 6.5E.3.1 of TS 38.101-1 [2] apply for each frequency range respectively.

#### 6.5E.3.2.2 Spurious emission band UE co-existence

For the inter-band con-current NR V2X operation, the UE-coexistence requirements in Table 6.5E.3.2.2-1 apply for the corresponding inter-band con-current operation with transmission assigned to both E-UTRA uplink in licensed band and sidelink in NR Band n47.

**Table 6.5E.3.2.2-1: Requirements for inter-band con-current V2X operation**

| V2X con-current operating band cofiguration | Spurious emission | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Protected band** | **Frequency range (MHz)** | | | **Maximum Level (dBm)** | **MBW (MHz)** | **NOTE** |
| V2X_20_n38 | E-UTRA Band 1, 3, 8, 22, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 42, 52 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 1 |
| | E-UTRA Band 20 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 2 |
| | NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 1 |
| V2X_n39_47 | E-UTRA Band 1, 8, 22, 26, 28, 34, 40, 41, 42, 44, 45<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 1 |
| | Frequency range | 5925 | - | 5950 | -30 | 1 | 3, 4 |
| | Frequency range | 5815 | - | 5855 | -30 | 1 | 3 |
| V2X_39_n47 | E-UTRA Band 1, 8, 22, 26, 28, 34, 40, 41, 42, 44, 45<br>NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n47, n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 1 |
| | Frequency range | 5925 | - | 5950 | -30 | 1 | 3, 4 |
| | Frequency range | 5815 | - | 5855 | -30 | 1 | 3 |
| V2X_n40_47 | E-UTRA Band 1, 3, 5, 7, 8, 22, 26, 28, 34, 39, 42, 44, 45, 65, 68, 72<br>NR Band n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 1 |
| | Frequency range | 5925 | - | 5950 | -30 | 1 | 3, 4 |
| | Frequency range | 5815 | - | 5855 | -30 | 1 | 3 |
| V2X_40_n47 | E-UTRA Band 1, 3, 5, 7, 8, 22, 26, 27, 28, 34, 39, 41, 42, 44, 45, 65, 68, 72, 73<br>NR Band n47, n77, n78 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | NR Band n79 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 1 |
| | Frequency range | 5925 | - | 5950 | -30 | 1 | 3, 4 |
| | Frequency range | 5815 | - | 5855 | -30 | 1 | 3 |
| V2X_n71_47 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 30, 48, 66, 85 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | E-UTRA Band 2, 25, 41, 70 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | 1 |
| | E-UTRA Band 29 | $F_{DL_low}$ | - | $F_{DL_high}$ | -38 | 1 | 2 |
| | NR Band n71 | $F_{DL_low}$ | - | $F_{DL_high}$ | -50 | 1 | |
| | Frequency range | 5925 | - | 5950 | -30 | 1 | 3, 4 |
| | Frequency range | 5815 | - | 5855 | -30 | 1 | 3 |

NOTE 1: As exceptions, measurements with a level up to the applicable requirements defined in Table 6.6.3.1-2 are permitted for each assigned E-UTRA carrier used in the measurement due to 2nd, 3rd, 4th [or 5th] harmonic spurious emissions. In case the exceptions are allowed due to spreading of the harmonic emission the exception is also allowed for the first 1 MHz frequency range immediately outside the harmonic emission on both sides of the harmonic emission. This results in an overall exception interval centred at the harmonic emission of (2MHz + N x $L_{CRB}$ x 180kHz), where N is 2, 3 or 4 for the 2nd, 3rd or 4th harmonic respectively. The exception is allowed if the measurement bandwidth (MBW) totally or partially overlaps the overall exception interval.

NOTE 2: These requirements also apply for the frequency ranges that are less than $F_{OOB}$ (MHz) in Table 6.6.3.1-1 and Table 6.6.3.1A-1 from the edge of the aggregated channel bandwidth.

NOTE 3: Applicable when NS_33 is configured by the pre-configured radio parameters for power class 3 V2X UE.

NOTE 4: In the frequency range x-5950MHz, SE requirement of -30dBm/MHz should be applied; where x = max (5925, fc + 15), where fc is the channel centre frequency.

## 6.5E.4 Transmit intermodulation

### 6.5E.4.1 Intra-band V2X

For intra-band V2X, transmit intermodulation requirements specified in clause 6.7.1G of TS 36.101 [4] and clause 6.5E.4 of TS 38.101-1 [2] apply for each frequency range respectively.

### 6.5E.4.2 Inter-band V2X con-current operation

For the inter-band con-current NR V2X operation, the requirements specified in subclause 6.7.1 of TS 36.101 [4] shall apply for the E-UTRA uplink in licensed band and the requirements specified in subclause 6.5E.4 of TS 38.101-1 [2] shall apply for the sidelink in NR Band n47.

## 6.6B Beam correspondence for DC

### 6.6B.1 Void

### 6.6B.2 Void

### 6.6B.3 Void

### 6.6B.4 Inter-band EN-DC including FR2

Beam correspondence requirement specified in clause 6.6 and 6.6A of TS 38.101-2 [3] apply for NR FR2 bands.

### 6.6B.4a Inter-band NE-DC including FR2

Beam correspondence requirement specified in clause 6.6 and 6.6A of TS 38.101-2 [3] apply for NR FR2 bands.

### 6.6B.5 Inter-band EN-DC including both FR1 and FR2

Beam correspondence requirement specified in clause 6.6 and 6.6A of TS 38.101-2 [3] apply for NR FR2 bands.

# 7 Receiver characteristics

## 7.1 General

Unless otherwise stated the receiver characteristics are specified at the antenna connector(s) of the UE for the bands operating on frequency range 1 and over the air of the UE for the bands operating on frequency range 2. The requirements for frequency range 1 and frequency range 2 can be verified separately. For the carrier in frequency range 1, requirements can be verified with NR FR2 link disabled. For the carrier in frequency range 2, requirements can be verified in OTA mode with E-UTRA connecting to the network by OTA without calibration.

The requirements defined in this clause are the extra requirements compared with the single carrier requirements defined in TS 38.101-1 [2] and TS 38.101-2 [3].

Unless otherwise stated, the UL and DL reference measurement channels are the same with the configurations specified in TS 38.101-1 [2] and TS 38.101-2 [3].

Unless otherwise stated, requirements for NR receiver written in TS 38.101-1 [2] and TS 38.101-2 [3] apply and are assumed anchor agnostic. Requirements are verified under conditions where anchor resources do not interfere NR operation.

For intra-band non-contiguous EN-DC, the output power is configured as follows:

- One E-UTRA uplink carrier with the output power set to 29 dB below $P_{CMAX_L}$ and the NR band whose downlink is being tested has its uplink carrier output power set to 4 dB below $P_{CMAX_L,f,c}$.

- One NR uplink carrier with the output power set to 29 dB below $P_{CMAX_L,f,c}$ and the E-UTRA band whose downlink is being tested has its uplink carrier output power set to 4 dB below $P_{CMAX_L,c.}$

For the additional requirements for intra-band non-contiguous EN-DC of two sub-blocks, an in-gap test refers to the case when the interfering signal is located at a negative offset with respect to the assigned lowest channel frequency of the highest sub-block and located at a positive offset with respect to the assigned highest channel frequency of the lowest sub-block.

For the additional requirements for intra-band non-contiguous EN-DC of two sub-blocks, an out-of-gap test refers to the case when the interfering signal(s) is (are) located at a positive offset with respect to the assigned channel frequency of the highest carrier frequency or located at a negative offset with respect to the assigned channel frequency of the lowest carrier frequency.

For the additional requirements for intra-band non-contiguous EN-DC of two sub-blocks with channel bandwidth larger than or equal to 5 MHz, the existing adjacent channel selectivity requirements, in-band blocking requirements (for each case), and narrow band blocking requirements apply for in-gap tests only if the corresponding interferer frequency offsets with respect to the two measured carriers satisfy the following condition in relation to the sub-block gap size $W_{gap}$ for at least one of the E-UTRA or NR sub-blocks, so that the interferer frequency position does not change the nature of the core requirement tested:

$$W_{gap} \geq 2 \cdot |FInterferer\ (offset)| - BW_{Channel}$$

For the E-UTRA sub-block, the $F_{Interferer\ (offset),}$ for a sub-block with a single component carrier is the interferer frequency offset with respect to carrier as specified in clause 7.5.1, clause 7.6.1 and clause 7.6.3 for the respective requirement in TS 36.101 [4] and $BW_{Channel.}$ $F_{Interferer\ (offset)}$ for the E-UTRA sub-block with two or more contiguous component carriers is the interference frequency offset with respect to the carrier adjacent to the gap is specified in clause 7.5.1A, 7.6.1A and 7.6.3A in TS 36.101 [4].

For the NR sub-block, the $F_{Interferer\ (offset),}$ for a sub-block with a single component carrier is the interferer frequency offset with respect to carrier as specified in clause 7.5.1, clause 7.6.1 and clause 7.6.3 for the respective requirement in TS 38.101-1 [2] and $BW_{Channel.}$

The interferer frequency offsets for adjacent channel selectivity, each in-band blocking case and narrow-band blocking shall be tested separately with a single in-gap interferer at a time.

For sub-clauses with suffix A or B: the minimum requirements for band combinations including Band n41 also apply for the corresponding band combinations with Band n90 replacing Band n41 but with otherwise identical parameters. For brevity the said band combinations with Band n90 are not listed in the tables below but are covered by this specification.

For the requirements of FR1 in this clause, the UE shall be verified with four Rx antenna ports and skip two Rx antenna ports requirements in operating bands where the UE is equipped with four Rx antenna ports, otherwise, the UE shall be verified with two Rx antenna ports.

# 7.2 Void

# 7.3 Void

# 7.3A Reference sensitivity for CA

## 7.3A.1 General

For NR CA operation NR single carrier REFSENS requirements defined in TS 38.101-1 [2] and TS 38.101-2 [3] apply to all downlink bands part of NR CA configurations listed in Table 5.2A.1-1unless sensitivity degradation is allowed as defined in clause 7.3A.

## 7.3A.2 Reference sensitivity power level for CA

## 7.3A.3 $\Delta R_{IB,c}$ for CA

For the UE which supports inter-band NR CA configuration, the minimum requirement for reference sensitivity in clause 7.3.2, 7.3A2 in TS 38.101-1 [2] and clause 7.3.2, 7.3A.2in TS 38.101-2 [3] shall be increased by the amount given in $\Delta R_{IB,c}$ in Tables below. Unless otherwise stated, $\Delta R_{IB,c}$ is set to zero.

In case the UE supports more than one of band combinations for CA, SUL or DC, and an operating band belongs to more than one band combinations then

- When the operating band frequency range is ≤ 1GHz, the applicable additional $\Delta R_{IB,c}$ shall be the average value for all band combinations defined in clause 7.3A, 7.3B, 7.3C in this specification and 7.3A, 7.3B in TS 38.101-3 [3], truncated to one decimal place that apply for that operating band among the supported band combinations. In case there is a harmonic relation between low band UL and high band DL, then the maximum $\Delta R_{IB,c}$ among the different supported band combinations involving such band shall be applied

- When the operating band frequency range is > 1 GHz, the applicable additional $\Delta R_{IB,c}$ shall be the maximum value for all band combinations defined in clause 7.3A, 7.3B, 7.3C in this specification and 7.3A, 7.3B in TS 38.101-3 [3] for the applicable operating bands.

### 7.3A.3.1 $\Delta R_{IB,c}$ for Inter-band CA between FR1 and FR2

$\Delta R_{IB,c}$ is independent between FR1 and FR2. For inter-band CA between FR1 and FR2, $\Delta R_{IB,c}$ for the FR1 band(s) from TS 38.101-1 [2] applies and $\Delta R_{IB,c}$ for the FR2 NR band(s) is set to zero. Otherwise $\Delta R_{IB,c}$ is set to zero.

**Table 7.3A.3.1-1: Void**

**Table 7.3A.3.1-2: Void**

**Table 7.3A.3.1-3: Void**

## 7.3A.4 Void

# 7.3B Reference sensitivity level for DC

## 7.3B.1 General

For EN-DC, E-UTRA and NR single carrier, CA, and MIMO operation of REFSENS requirements defined in TS 38.101-1 [2], TS 38.101-2 [3] and TS 36.101 [4] apply to all downlink bands of EN-DC configurations listed in clause 5.5B, unless sensitivity degradation exception is allowed in this clause of this specification, clause 7.3 in TS 38.101-1 [2], clause 7.3 in TS 38.101-2 [3] or clause 7.3 in TS 36.101 [4]. Allowed exceptions specified in this clause also apply to any higher order EN-DC configuration combination containing one of the band combinations that exception is allowed for. Reference sensitivity exeptions are specified by applying maximum sensitivity degradation (MSD) into applicaple REFSENS requirement. EN-DC REFSENS requirements shall be met for NR uplink transmissions using QPSK DFT-s-OFDM waveforms as defined in clause 7.3.2 [2]. Unless otherwise specified UL allocation uses the lowest SCS allowable for a given channel BW. Limits on configured maximum output power for the uplink according to clause 6.2B.4 shall apply.

In case of interband EN-DC the receiver REFSENS requirements in this clause do not apply for 1.4 and 3 MHz E-UTRA carriers. For the case of inter-band EN-DC with a single carrier per cell group and multi carrier per cell group, in addition to the E-UTRA and NR single carrier, CA, and MIMO operation of REFSENS requirements defined in TS 38.101-1 [2], TS 38.101-2 [3], and TS 36.101 [4], the REFSENS requirements specified therein also apply with both downlink carriers and both uplink carriers active unless sensitivity exceptions are allowed in this clause of this specification, clause 7.3 in TS 38.101-1 [2] or clause 7.3 in TS 36.101 [4].

NOTE: For inter-band EN-DC, the reference sensitivity requirement with both uplink carriers active is allowed to be verified for only a single inter-band EN-DC configuration per NR band.

## 7.3B.2 Reference sensitivity for DC

### 7.3B.2.1 Intra-band contiguous EN-DC

For intra-band contiguous EN-DC configurations, the reference sensitivity power level REFSENS is the minimum mean power applied to each one of the UE antenna ports at which the throughput for the carrier(s) of the E-UTRA and NR CGs shall meet or exceed the requirements for the specified E-UTRA and NR reference measurement channels. The reference sensitivity requirements apply with all uplink carriers and all downlink carriers active for EN-DC configuration and Uplink EN-DC configuration listed in Table 5.5B.2-1 and Table 5.5B.3-1, as supported by the UE. For EN-DC configurations where uplink is not available in either the MCG or the SCG or for EN-DC configurations where the UE only supports single uplink operation, reference sensitivity requirements apply with single uplink transmission. The downlink carrier(s) from the cell group with uplink shall be configured closer to the uplink operating band than any of the downlink carriers from the cell group without uplink.

Sensitivity degradation is allowed for Intra-band contiguous EN-DC configurations listed in Table 7.3B.2.1-1 the reference sensitivity is defined only for the specific uplink and downlink test points which are specified in Table 7.3B.2.1-1 and E-UTRA and NR single carrier requriements do not apply.

**Table 7.3B.2.1-1: Reference sensitivity (MSD) for intra-band contiguous EN-DC**

| EN-DC configuration / channel allocations /MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC configuration** | **E-UTRA/NR band** | **$F_C$ (UL) (MHz)** | **Channel bandwidth (MHz)** | **UL allocation (LCRB)** | **$F_C$ (DL) (MHz)** | **MSD (dB)** | **Duplex mode** |
| DC_(n)5AA | 5 | 826.5 | 5 | N/A | 871.5 | 5.2 | FDD |
| | n5 | 839 | 20 | 20 ($RB_{end}$ = 105) | 884 | 0 | |
| DC_(n)5AA | 5 | 829 | 10 | N/A | 874 | 5.2 | |
| | n5 | 841.5 | 15 | 20 ($RB_{end}$ = 78) | 886.5 | 0 | |
| DC_(n)5AA | 5 | 844 | 10 | 25 ($RB_{end}$ = 49) | 889 | 0 | |
| | n5 | 831.5 | 15 | N/A | 876.5 | 3.1 | |
| DC_(n)5AA | 5 | 831.5 | 5 | N/A | 876.5 | 5.2 | |
| | n5 | 841.5 | 15 | 20 ($RB_{end}$ = 78) | 886.5 | 0 | |
| DC_(n)5AA | 5 | 846.5 | 5 | 25 | 891.5 | 0 | |
| | n5 | 836.5 | 15 | N/A | 881.5 | 1 | |
| DC_(n)5AA | 5 | 834 | 10 | N/A | 879 | 1.5 | |
| | n5 | 844 | 10 | 25 ($RB_{end}$ = 51) | 889 | 0 | |
| DC_(n)5AA | 5 | 844 | 10 | 25 ($RB_{end}$ = 49) | 889 | 0 | |
| | n5 | 834 | 10 | N/A | 879 | 1.4 | |
| DC_(n)12AA | 12 | 703.5 | 5 | N/A | 733.5 | 4.5 | FDD |
| | n12 | 711 | 10 | 20 ($RB_{end}$ = 51) | 741 | 0 | |
| DC_(n)12AA | 12 | 711 | 10 | 20 ($RB_{end}$ = 49) | 741 | 0 | |
| | n12 | 703.5 | 5 | N/A | 733.5 | 4.5 | |
| DC_(n)71AA | 71 | 665.5 | 5 | 5 ($RB_{end}$ =24) | 619.5 | 0 | FDD |
| | n71 | 675.5 | 15 | 15 ($RB_{start}$ = 0) | 629.5 | 1.8 | |
| DC_(n)71AA | 71 | 670.5 | 15 | 15 ($RB_{end}$ = 74) | 624.5 | 0 | |
| | n71 | 680.5 | 5 | 5 ($RB_{start}$ = 0) | 634.5 | 1.6 | |
| DC_(n)71AA | 71 | 668 | 10 | 10 ($RB_{end}$ = 49) | 622 | 0 | |
| | n71 | 678 | 10 | 10 ($RB_{start}$ = 0) | 632 | 1.7 | |
| DC_(n)71AA | 71 | 668 | 10 | 10 ($RB_{start}$ = 0) | 622 | 17.2 | |
| | n71 | 678 | 10 | 10 ($RB_{end}$ = 51) | 632 | 29.4 | |
| DC_(n)71AA | 71 | 665.5 | 5 | 5 (RBend =24) | 619.5 | 0 | FDD |
| | n71 | 675.5 | 15[1] | 15 (RBstart = 0) | 6321 | 2.5 | |
| DC_(n)71AA | 71 | 670.5 | 15 | 15 (RBend = 74) | 624.5 | 0 | |
| | n71 | 680.5 | 5[1] | 5 (RBstart = 0) | 6371 | 2.2 | |
| DC_(n)71AA | 71 | 668 | 10 | 10 (RBend = 49) | 622 | 0 | |
| | n71 | 678 | 10[1] | 10 (RBstart = 0) | 634.51 | 2.5 | |
| DC_(n)71AA | 71 | 668 | 10 | 10 (RBstart = 0) | 622 | 17.2 | |
| | n71 | 678 | 10[1] | 10 (RBend = 51) | 634.51 | 29.1 | |
| NOTE 1: In accordance to BCS1, the NR uplink bandwidth is specified as in this table, but the corresponding NR downlink bandwidth is 5 MHz larger.<br>NOTE 2: The transmitters powers shall be set to $P_{UMAX}$, as defined in TS 38.101-1 [2], TS 38.101-2 [3], and TS 36.101 [4], with additional limits on configured maximum output power for the uplink according to clause 6.2B.4. | | | | | | | |

## 7.3B.2.2 Intra-band non-contiguous EN-DC

For intra-band non-contiguous EN-DC configurations, the reference sensitivity power level REFSENS is the minimum mean power applied to each one of the UE antenna ports at which the throughput for the carrier(s) of the E-UTRA and NR CGs shall meet or exceed the requirements for the specified E-UTRA and NR reference measurement channels.

Sensitivity degradation is allowed for Intra-band non-contiguous EN-DC configurations listed in Table 7.3B.2.2-1, the reference sensitivity is defined only for the specific uplink and downlink test points which are specified in Table 7.3B.2.2-1 and E-UTRA and NR single carrier requriements do not apply.

For UE supporting Intra-band non-contiguous EN-DC configurations with single switched UL, no MSD is specified and E-UTRA and NR single carrier requriements apply.

**Table 7.3B.2.2-1: Reference sensitivity (MSD) for intra-band non-contiguous EN-DC**

| MSD / DC bandwidth class A + A | | | | | | | |
|---|---|---|---|---|---|---|---|
| **DC configuration** | **E-UTRA/NR band** | **$F_C$ (UL) (MHz)** | **Channel bandwidth (MHz)** | **UL allocation (LCRB)** | **$F_C$ (DL) (MHz)** | **MSD (dB)** | **Duplex mode** |
| DC_3A_n3A | 3 | 1782.5 | 5 | 12 ($RB_{start}$ =0) | 1877.5 | 0[1]<br>1[2] | FDD |
| | n3 | 1772.5 | 5 | 12 ($RB_{end}$ = 24) | 1867.5 | 0[1]<br>1.5[2] | |
| DC_3A_n3A | 3 | 1782.5 | 5 | 12 ($RB_{start}$ = 9) | 1877.5 | 3[1]<br>29[2] | |
| | n3 | 1752.5 | 5 | 12 ($RB_{start}$ = 0) | 1847.5 | 15[1]<br>31[2] | |
| DC_3A_n3A | 3 | 1782.5 | 5 | 12 ($RB_{start}$ = 12) | 1877.5 | 16[1,3] | |
| | n3 | 1737.5 | 5 | 12 ($RB_{start}$ = 0) | 1832.5 | 33[1,3] | |
| DC_3A_n3A | 3 | 1737.5 | 5 | 12 ($RB_{start}$ = 0) | 1832.5 | 33[1,3,4] | |
| | n3 | 1782.5 | 5 | 12 ($RB_{start}$ = 12) | 1877.5 | 16[1,3,4] | |
| NOTE 1: Applicable for UE signaling with dual PA capability.<br>NOTE 2: Applicable for UE signaling without dual PA capability.<br>NOTE 3: The IMD also impacts Rx received blocks for UE signaling without dual PA capability but the requirements are not specified.<br>NOTE 4: The test point is not applicable for BCS0 of DC_3A_n3A in Table 5.3B.1.3-1. | | | | | | | |

## 7.3B.2.3 Inter-band EN-DC within FR1

Reference sensitivity exceptions are specified for the condition when there is uplink transmission only in the aggressor band.

### 7.3B.2.3.1 Reference sensitivity exceptions due to UL harmonic interference for EN-DC in NR FR1

Sensitivity degradation is allowed for a band if it is impacted by UL harmonic interference from another band part of the same EN-DC configuration. Reference sensitivity exceptions for the victim band (high) are specified in Table 7.3B.2.3.1-1 with uplink configuration of the agressor band (low) specified in Table 7.3B.2.3.1-2.

**Table 7.3B.2.3.1-1: Reference sensitivity exceptions (MSD) due to UL harmonic for EN-DC in NR FR1**

| E-UTRA or NR Band / Channel bandwidth of the affected DL band / MSD | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **5 MHz (dB)** | **10 MHz (dB)** | **15 MHz (dB)** | **20 MHz (dB)** | **25 MHz (dB)** | **30 MHz (dB)** | **40 MHz (dB)** | **50 MHz (dB)** | **60 MHz (dB)** | **70 MHz (dB)** | **80 MHz (dB)** | **90 MHz (dB)** | **100 MHz (dB)** |
| 1, 3 | n77[2,13] | | 23.9 | 22.1 | 20.9 | | | 17.9 | 16.8 | 16.0 | | 14.8 | 14.3 | 13.8 |
| | n77[3] | | 1.1 | 0.8 | 0.3 | | | | | | | | | |
| 2 | n48[2,13] | 27.3 | 24.4 | 22.4 | 21.2 | | | 18 | 17.1 | 16.3 | | 15 | 14.5 | 14 |
| | n48[3] | 1.9 | 1.4 | 0.9 | 0.4 | | | 0 | 0 | 0 | | 0 | 0 | 0 |
| 2 | n77[2, 13] | | 23.9 | 22.1 | 20.9 | 19.8 | 19.0 | 17.9 | 16.8 | 16.0 | 15.5 | 14.8 | 14.3 | 13.8 |
| | n77[3] | | 1.1 | 0.8 | 0.3 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | n78[2,13] | | 23.9 | 22.1 | 20.9 | | | 17.9 | 16.8 | 16.0 | | 14.8 | 14.3 | 13.8 |
| | n78[3] | | 1.1 | 0.8 | 0.3 | | | | | | | | | |
| 3 | n78[2,13] | | 23.9 | 22.1 | 20.9 | | | 17.9 | 16.8 | 16.0 | | 14.8 | 14.3 | 13.8 |
| | n78[3] | | 1.1 | 0.8 | 0.3 | | | | | | | | | |
| n3 | 42[2, 13] | 27.3 | 24.3 | 22.5 | 21.3 | | | | | | | | | |
| | 42[3] | 1.9 | 1.3 | 1.0 | 0.5 | | | | | | | | | |
| 4 | n78[2,13] | | 23.9 | 22.1 | 20.9 | | | 17.9 | 16.8 | 16.0 | | 14.8 | 14.3 | 13.8 |
| | n78[3] | | 1.1 | 0.8 | 0.3 | | | | | | | | | |
| 5 | n77[4, 5] | | 10.5 | 8.9 | 7.8 | 7.2 | 6.5 | 5.1 | 4.2 | 3.5 | 2.8 | 2.3 | 2.1 | 1.4 |
| | n77[6,7] | | 10.4 | 8.9 | 7.8 | 7.4 | 6.5 | 4.7 | 3.7 | 3 | 2.35 | 1.7 | 1.2 | 0.7 |
| 5 | n78[6,7] | | 10.5 | 8.9 | 7.8 | | | 5.4 | 4.2 | 3.5 | | 2.3 | 2.1 | 1.4 |
| 8 | n7[8,9] | 10 | 7.6 | 6.2 | 5.3 | 4.3 | 3.2 | 2.3 | 1.3 | | | | | |
| 8 | n41[8,9] | N/A | 13 | 11.3 | 10.1 | | | 7.0 | 6.1 | 5.5 | | 4.3 | 3.9 | 3.5 |
| 8 | n77[6,7]<br>n78[6,7] | | 10.8 | 9.1 | 8 | | | 5.1 | 4.2 | 3.5 | | 2.3 | 2.1 | 1.4 |
| 8 | n79[4,5] | | | | | | | 6.8 | 6.2 | 5.6 | | 4.9 | | 4.4 |
| n8 | 3[14] | N/A | N/A | N/A | N/A | | | | | | | | | |
| n8 | 7[8,9,10] | 10 | 7.6 | 6.2 | 5.3 | | | | | | | | | |
| 12 | n66[8,9,10] | 10 | 7.5 | 6.2 | 5.5 | | | 2.4 | | | | | | |
| 12 | n78[4,5] | | 10.4 | 8.9 | 7.8 | | | 4.7 | 3.7 | 3 | | 1.7 | 1.2 | 0.7 |
| n12 | 48[4,5] | 13 | 10.4 | 8.9 | 7.8 | | | | | | | | | |
| n12 | 66[8,9,10] | 10 | 7.5 | 6.2 | 5.5 | | | | | | | | | |
| 13 | n77[4, 5] | | 10.4 | 8.9 | 7.8 | 6.7 | 5.7 | 4.7 | 3.7 | 3 | 2.3 | 1.7 | 1.2 | 0.7 |
| 18，19 | n77[4,5]<br>n78[4,5] | | 10.4 | 8.9 | 7.8 | | | 4.7 | 3.7 | 3 | | 1.7 | 1.2 | 0.7 |
| 28 | n50[2,13] | 27.8 | 24.6 | 22.8 | 21.6 | | | 18.5 | 17.5 | 16.7 | | 15.4 | | |
| | n50[3] | 1.9 | 1.4 | 0.9 | 0.4 | | | | | | | | | |
| 28 | n51[2,13] | 27.8 | | | | | | | | | | | | |
| | n51[3] | 1.9 | | | | | | | | | | | | |
| 28 | n66[8,9,10] | 10.2 | 7.6 | 6.2 | 5.3 | 4.0 | 3.2 | 2 | | | | | | |
| 28 | n77[4,5]<br>n78[4,5] | | 10.4 | 8.9 | 7.8 | | | 4.7 | 3.7 | 3 | | 1.7 | 1.2 | 0.7 |
| 20 | n38[8,9] | 12.9 | 10.3 | 8.4 | 7.4 | | | | | | | | | |
| 20 | n41 | 12.9 | 10.3 | 8.4 | 7.4 | | | 5 | 4.3 | 3.9 | | 3.1 | 2.7 | |
| 20 | n77[6,7]<br>n78[6,7] | | 10.8 | 9.1 | 8 | | | 6 | 4.0 | 3.2 | | 2.0 | 1.5 | 1.0 |
| n25 | 48[2,13] | 27.3 | 24.4 | 22.4 | 21.2 | | | | | | | | | |
| | 48[3] | 1.9 | 1.4 | 0.9 | 0.4 | | | | | | | | | |
| 26 | n41[8,9] | | 10.3 | 8.4 | 7.4 | | | 5 | 4.3 | 3.9 | | 3.1 | 2.9 | 2.7 |
| 26 | n77[6,7]<br>n78[6,7] | | 10.8 | 9.1 | 8 | | | 6 | 4.0 | 3.2 | | 2.0 | 1.5 | 1.0 |
| 28 | n1[8,9,10] | 10.2 | 7.6 | 6.2 | 5.3 | 4.0 | 3.2 | 2 | 1.0 | | | | | |
| n28 | 1[8,9,10] | 10.2 | 7.6 | 6.2 | 5.3 | | | | | | | | | |
| n28 | 4[8,9,10] | 10.2 | 7.6 | 6.2 | 5.3 | | | | | | | | | |
| n28 | n75 | 28.1 | 25.3 | 24.0 | 22.8 | | | | | | | | | |
| n28 | 11[2,10,13] | 24.8 | 21.8 | | | | | | | | | | | |
| n28 | 42[4,5,10] | 14.1 | 10.4 | 8.9 | 7.9 | | | | | | | | | |
| 28 | n50[2,13] | 27.8 | 24.6 | 22.8 | 21.6 | | | 18.5 | 17.5 | 16.7 | | 15.4 | | |
| | n50[3] | 1.9 | 1.4 | 0.9 | 0.4 | | | | | | | | | |
| n28 | 66[8,9,10] | 10.2 | 7.6 | 6.2 | 5.3 | | | | | | | | | |
| n71 | 2[11] | 4.6 | 1.0 | 0.7 | 0.6 | | | | | | | | | |
| | 2[12] | 1.7 | 1.0 | 0.7 | 0.6 | | | | | | | | | |
| n71 | 7[6,7] | 14.6 | 11.7 | 10.1 | 9 | | | | | | | | | |
| 66 | n48[2,13] | 27.3 | 24.4 | 22.4 | 21.2 | | | 18 | 17.1 | 16.3 | | 15 | 14.5 | 14 |
| | n48[3] | 1.9 | 1.4 | 0.9 | 0.4 | | | 0 | 0 | 0 | | 0 | 0 | 0 |
| 66 | n77[2, 13] | | 23.9 | 22.1 | 20.9 | 19.8 | 19.0 | 17.9 | 16.8 | 16.0 | 15.3 | 14.8 | 14.3 | 13.8 |

| E-UTRA or NR Band / Channel bandwidth of the affected DL band / MSD | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **5 MHz (dB)** | **10 MHz (dB)** | **15 MHz (dB)** | **20 MHz (dB)** | **25 MHz (dB)** | **30 MHz (dB)** | **40 MHz (dB)** | **50 MHz (dB)** | **60 MHz (dB)** | **70 MHz (dB)** | **80 MHz (dB)** | **90 MHz (dB)** | **100 MHz (dB)** |
| | n77[3] | | 1.1 | 0.8 | 0.3 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | n78[2,13] | | 23.9 | 22.1 | 20.9 | | | 17.9 | 16.8 | 16.0 | | 14.8 | 14.3 | 13.8 |
| | n78[3] | | 1.1 | 0.8 | 0.3 | | | | | | | | | |
| n66 | 48[2,13] | 27.3 | 24.4 | 22.4 | 21.2 | | | | | | | | | |
| | 48[3] | 1.9 | 1.4 | 0.9 | 0.4 | | | | | | | | | |
| 71 | n78[4,5] | | 10.4 | 8.9 | 7.8 | | | 4.7 | 3.7 | 3 | | 1.7 | 1.2 | 0.7 |

NOTE 1: Void

NOTE 2: The requirements should be verified for UL EARFCN or NR ARFCN of the aggressor (lower) band (superscript LB) such that $f_{UL}^{LB} = \lfloor f_{DL}^{HB} / 0.2 \rfloor 0.1$ in MHz and $F_{UL_low}^{LB} + BW_{Channel}^{LB} / 2 \le f_{UL}^{LB} \le F_{UL_high}^{LB} - BW_{Channel}^{LB} / 2$ with carrier frequency in the victim (higher) band in MHz and the channel bandwidth configured in the lower band.

NOTE 3: The requirements are only applicable to channel bandwidths no larger than 20 MHz and with a carrier frequency at $\pm(20 + BW_{Channel}^{HB} / 2)$ MHz offset from $2 f_{UL}^{LB}$ in the victim (higher band) with $F_{UL_low}^{LB} + BW_{Channel}^{LB} / 2 \le f_{UL}^{LB} \le F_{UL_high}^{LB} - BW_{Channel}^{LB} / 2$, whereand $BW_{Channel}^{HB}$ are the channel bandwidths configured in the aggressor (lower) and victim (higher) bands in MHz, respectively.

NOTE 4: These requirements apply when there is at least one individual RE within the uplink transmission bandwidth of the aggressor (lower) band for which the 5th transmitter harmonic is within the downlink transmission bandwidth of a victim (higher) band.

NOTE 5: The requirements should be verified for UL EARFCN of the aggressor (lower) band (superscript LB) such that $f_{UL}^{LB} = \lfloor f_{DL}^{HB} / 0.5 \rfloor 0.1$ in MHz and $F_{UL_low}^{LB} + BW_{Channel}^{LB} / 2 \le f_{UL}^{LB} \le F_{UL_high}^{LB} - BW_{Channel}^{LB} / 2$ with carrier frequency in the victim (higher) band in MHz and the channel bandwidth configured in the lower band.

NOTE 6: These requirements apply when there is at least one individual RE within the uplink transmission bandwidth of the aggressor (lower) band for which the 4th transmitter harmonic is within the downlink transmission bandwidth of a victim (higher) band.

NOTE 7: The requirements should be verified for UL EARFCN of the aggressor (lower) band (superscript LB) such that $f_{UL}^{LB} = \lfloor f_{DL}^{HB} / 0.4 \rfloor 0.1$ in MHz and $F_{UL_low}^{LB} + BW_{Channel}^{LB} / 2 \le f_{UL}^{LB} \le F_{UL_high}^{LB} - BW_{Channel}^{LB} / 2$ with carrier frequency in the victim (higher) band in MHz and the channel bandwidth configured in the lower band.

NOTE 8: These requirements apply when there is at least one individual RE within the uplink transmission bandwidth of the aggressor (lower) for which the 3rd transmitter harmonic is within the downlink transmission bandwidth of a victim (higher) band.

NOTE 9 The requirements should be verified for UL EARFCN of the aggressor (lower) band (superscript LBsuch that $f_{UL}^{LB} = \lfloor f_{DL}^{HB} / 0.3 \rfloor 0.1$ in MHz and $F_{UL_low}^{LB} + BW_{Channel}^{LB} / 2 \le f_{UL}^{LB} \le F_{UL_high}^{LB} - BW_{Channel}^{LB} / 2$ with $f_{DL}^{HB}$ the carrier frequency in the victim (higher) band in MHz and $BW_{Channel}^{LB}$ the channel bandwidth configured in the low band.

NOTE 10: Applicable for the operations with 2 or 4 antenna ports supported in the band with carrier aggregation configured.

NOTE 11: These requirements apply when the lower edge frequency of the 5 MHz uplink channel in Band 71 is located at or below 668 MHz and the downlink channel in Band 2 is located with its upper edge at 1990 MHz.

NOTE 12: These requirements apply when the lower edge frequency of the 10 MHz, 15 MHz, or 20 MHz uplink channel in Band 71 is located at or below 668 MHz and the downlink channel in Band 2 is located with its upper edge at 1990 MHz.

NOTE 13: These requirements apply when there is at least one individual RE within the uplink transmission bandwidth of the aggressor (lower) band for which the 2nd transmitter harmonic is within the downlink transmission bandwidth of a victim (higher) band and a range $\Delta F_{HD}$ above and below the edge of this downlink transmission bandwidth. The value $\Delta F_{HD}$ depends on the EN-DC band combination: $\Delta F_{HD}$ = 10 MHz for DC_1_n77, DC_2_n48, DC_2_n77, DC_42_n3, DC_48_n25, DC_48_n66, DC_66_n48, DC_66_n77, DC_3_n77, DC_3_n78, DC_11_n28 and DC_28_n50, DC_28_n51, DC_66_n78.

NOTE 14: No requirements apply when there is at least one individual RE within the uplink transmission bandwidth of the low band for which the 2nd transmitter harmonic is within the downlink transmission bandwidth of the high band. The reference sensitivity for all active downlink component carriers is only verified when this is not the case (the requirements specified in clause 7.3.1 from TS 36.101-1 apply unless otherwise specified).

NOTE 15: MSD test point can be chosen according to supported BW and lowest SCS supported by the UE.

**Table 7.3B.2.3.1-2: Uplink configuration for reference sensitivity exceptions due to UL harmonic interference for EN-DC in NR FR1**

| E-UTRA or NR Band / Channel bandwidth of the affected DL band / UL RB allocation of the agressor band | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **SCS of UL band (kHz)** | **5 MHz ($L_{CRB}$)** | **10 MHz ($L_{CRB}$)** | **15 MHz ($L_{CRB}$)** | **20 MHz ($L_{CRB}$)** | **25 MHz ($L_{CRB}$)** | **30 MHz ($L_{CRB}$)** | **40 MHz ($L_{CRB}$)** | **50 MHz ($L_{CRB}$)** | **60 MHz ($L_{CRB}$)** | **70 MHz ($L_{CRB}$)** | **80 MHz ($L_{CRB}$)** | **90 MHz ($L_{CRB}$)** | **100 MHz ($L_{CRB}$)** |
| 1 | n77 | 15 | | 25 | 36 | 50 | | | 100 | 100 | 100 | | 100 | 100 | 100 |
| 2 | n48 | 15 | 12 | 25 | 36 | 50 | | | 100 | 100 | 100 | | 100 | 100 | 100 |
| 2 | n77 | 15 | | 25 | 36 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 2 | n78 | 15 | | 25 | 36 | 50 | | | 50 | 50 | 50 | | 50 | 50 | 50 |
| 3 | n77, n78 | 15 | | 25 | 36 | 50 | | | 50 | 50 | 50 | | 50 | 50 | 50 |
| n3 | 42 | 15 | 12 | 25 | 36 | 50 | | | | | | | | | |
| 4 | n78 | 15 | | 25 | 36 | 50 | | | 100 | 100 | 100 | | 100 | 100 | 100 |
| 5 | n77 | 15 | | 16 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 5 | n78 | 15 | 8 | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 8 | n7 | 15 | 8 | 16 | 25 | 25 | 25 | 25 | 25 | 25 | | | | | |
| 8 | n41 | 15 | | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 8 | n77 n78 | 15 | | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 8 | n79 | 15 | | | | | | | 25 | 25 | 25 | | 25 | | 25 |
| n8 | 7 | 15 | 8 | 16 | 25 | 25 | | | | | | | | | |
| 12 | n66 | 15 | 8 | 16 | 20 | 20 | | | 20 | | | | | | |
| 12 | n78 | 15 | | 10 | 15 | 20 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| n12 | 48 | 15 | 5 | 10 | 15 | 20 | | | | | | | | | |
| n12 | 66 | 15 | 8 | 16 | 20 | 20 | | | | | | | | | |
| 13 | n77 | 15 | | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 18 | n77, n78 | 15 | | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 19 | n77, n78 | 15 | | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 20 | n38 | 15 | 8 | 16 | 25 | 25 | | | | | | | | | |
| 20 | n41 | 15 | 8 | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | |
| 20 | n77, n78 | 15 | | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 26 | n41 | 15 | | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 26 | n77, n78 | 15 | | 16 | 25 | 25 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 28 | n1 | 15 | 8 | 16 | 25 | 25 | 25 | 25 | 25 | 25 | | | | | |
| n28 | 1 | 15 | 8 | 16 | 25 | 25 | | | | | | | | | |
| n28 | 4 | 15 | 8 | 16 | 25 | 25 | | | | | | | | | |
| n28 | n75 | 15 | 8 | 16 | 25 | 25 | | | | | | | | | |
| 28 | n50 | 15 | 12 | 25 | 25 | 25 | | | 25 | 25 | 25 | | 25 | | |
| 28 | n51 | 15 | 12 | | | | | | | | | | | | |
| 28 | n66 | 15 | 8 | 16 | 25 | 25 | 25 | 25 | 25 | | | | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| n28 | 11 | 15 | 12 | 25 | | | | | | | | | | | |
| n28 | 42 | 15 | 5 | 10 | 15 | 20 | | | | | | | | | |
| 28 | n50 | 15 | 12 | 25 | 25 | 25 | | | 25 | 25 | 25 | | 25 | | |
| n28 | 66 | 15 | 8 | 16 | 25 | 25 | | | | | | | | | |
| 28 | n77, n78 | 15 | | 10 | 15 | 20 | | | 25 | 25 | 25 | | 25 | 25 | 25 |
| 66 | n48 | 15 | 12 | 25 | 36 | 50 | | | 100 | 100 | 100 | | 100 | 100 | 100 |
| 66 | n77 | 15 | | 25 | 36 | 50 | 64 | 80 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 66 | n78 | 15 | | 25 | 36 | 50 | | | 100 | 100 | 100 | | 100 | 100 | 100 |
| n66 | 48 | 15 | 12 | 25 | 36 | 50 | | | | | | | | | |
| n71 | 2 | 15 | 25[4]<br>8[5] | 25[4]<br>8[5] | 20[4]<br>8[5] | 20[4]<br>8[5] | | | | | | | | | |
| n71 | 7 | 15 | 8 | 16 | 25 | 25 | | | | | | | | | |
| 71 | n78 | 15 | | 10 | 15 | 20 | | | 25 | 25 | 25 | | 25 | 25 | 25 |

NOTE 1: The UL configuration applies regardless of the channel bandwidth of the UL band unless the UL resource blocks exceed that specified in Table 7.3.1-2 in TS 36.101 [4] or Table 7.3.2-3 in TS 38.101-1 [2] for the uplink bandwidth in which case the allocation according to Table 7.3.1-2 in TS 36.101 [4] or Table 7.3.2-3 in TS 38.101-1 [2] applies

NOTE 2: Void

NOTE 3: Unless stated otherwise, UL resource blocks shall be centred within the transmission bandwidth configuration for the channel bandwidth.

NOTE 4: These requirements apply when the lower edge frequency of the 5 MHz uplink channel in Band 71 is located at or below 668 MHz and the downlink channel in Band 2 is located with its upper edge at 1990 MHz.

NOTE 5: These requirements apply when the lower edge frequency of the 10 MHz, 15 MHz, or 20 MHz uplink channel in Band 71 is located at or below 668 MHz and the downlink channel in Band 2 is located with its upper edge at 1990 MHz.

NOTE 6: If the aggressor band is NR band, the test SCS and UL RB can be adjusted according to supported BW and lowest SCS supported by the UE

**Table 7.3B.2.3.1-3: Reference sensitivity QPSK PREFSENS (EN-DC with n46)**

| E-UTRA or NR Band / Channel bandwidth of the affected DL band / MSD | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **5 MHz (dB)** | **10 MHz (dB)** | **15 MHz (dB)** | **20 MHz (dB)** | **25 MHz (dB)** | **40 MHz (dB)** | **50 MHz (dB)** | **60 MHz (dB)** | **80 MHz (dB)** | **90 MHz (dB)** | **100 MHz (dB)** |
| 2 | n46[1] | | | | N/A | | N/A | | N/A | N/A | | |
| n46 | 2[2,3] | 28 | 28 | 28 | 28 | | | | | | | |
| 66 | n46 | | | | N/A | | N/A | | N/A | N/A | | |

NOTE 1: These requirements apply when there is at least one individual RE within the downlink (victim) transmission bandwidth which falls into the reference sensitivity exclusion region as specified in Table 6.x.1.7-2 and Table 6.x.1.7-3.

NOTE 2: These requirements apply when there is at least one individual RE within the uplink transmission bandwidth of the aggressor (higher) band and when the frequency range of relative higher band's uplink channel bandwidth or uplink 1st adjacent channel bandwidth is fully or partially overlapped with the downlink transmission bandwidth of a victim (lower) band.

NOTE 3: The requirements for a victim (lower) band apply for UL EARFCN of the aggressor (higher) band (superscript HB) such that $f_{DL}^{LB} = \lfloor f_{UL}^{HB} / 0.3 \rfloor 0.1$ in MHz with $f_{DL}^{LB}$ the DL carrier frequency in the lower band and $f_{UL}^{HB}$ the UL carrier frequency in the higher band, both in MHz. .

**Table 7.3B.2.3.1-4: n46 Reference sensitivity measurement exclusion region in MHz**

| Licensed Component Carriers / E-UTRA Band / Harmonic order / Channel BW in UL | | | | | |
|---|---|---|---|---|---|
| **Band** | **Harmonic order** | **5MHz** | **10MHz** | **15MHz** | **20MHz** |
| 2 | 3 | +/- 15 | +/- 23 | +/- 35 | +/- 45 |
| 66 | 3 | +/- 15 | +/- 23 | +/- 35 | +/- 45 |

NOTE 1: Even though UL harmonic does not fall directly into n46 the exclusion region still applies.

NOTE 2: The center of the exclusion region is obtained by multiplying the uplink channel center frequency by the harmonic order.

**Table 7.3B.2.3.1-5: Uplink configuration for reference sensitivity exceptions due to receiver harmonic mixing for EN-DC paring with n46**

| E-UTRA or NR Band / SCS / Channel bandwidth of the affected DL band / UL RB allocation of the agressor band | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **SCS of UL band (kHz)** | **5 MHz ($L_{CRB}$)** | **10 MHz ($L_{CRB}$)** | **15 MHz ($L_{CRB}$)** | **20 MHz ($L_{CRB}$)** | **25 MHz ($L_{CRB}$)** | **40 MHz ($L_{CRB}$)** | **50 MHz ($L_{CRB}$)** | **60 MHz ($L_{CRB}$)** | **80 MHz ($L_{CRB}$)** | **90 MHz ($L_{CRB}$)** | **100 MHz ($L_{CRB}$)** |
| n46 | 2 | 15 | 25 | 50 | 75 | 100 | | | | | | | |

### 7.3B.2.3.2 Reference sensitivity exceptions due to receiver harmonic mixing for EN-DC in NR FR1

Sensitivity degradation is allowed for a band if it is impacted by receiver harmonic mixing due to another band part of the same EN-DC configuration. Reference sensitivity exceptions for the victim band (low) are specified in Table 7.3B.2.3.2-1 with uplink configuration of the agressor band (high) specified in Table 7.3B.2.3.2-2.

**Table 7.3B.2.3.2-1: Reference sensitivity exceptions (MSD) due to receiver harmonic mixing for EN-DC in NR FR1**

| E-UTRA or NR Band / Channel bandwidth of the affected DL band / MSD | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **5 MHz (dB)** | **10 MHz (dB)** | **15 MHz (dB)** | **20 MHz (dB)** | **25 MHz (dB)** | **40 MHz (dB)** | **50 MHz (dB)** | **60 MHz (dB)** | **80 MHz (dB)** | **90 MHz (dB)** | **100 MHz (dB)** |
| 1 | n71[4] | 26.8 | 23.6 | 21.2 | 15.6 | | | | | | | |
| 2 | n71[4] | 26.8 | 23.6 | 21.2 | 15.6 | | | | | | | |
| n38 | 5[9] | N/A | N/A | | | | | | | | | |
| n40 | 28[4] | 37.8 | 34.8 | 33 | 30.3 | | | | | | | |
| n41 | 18[9] | N/A | N/A | N/A | | | | | | | | |
| n41 | 26[4] | 24.3 | 24.3 | 22.5 | N/A | | | | | | | |
| n77 | 2 | 6.1 | 5.0 | 4.0 | 3.7 | | | | | | | |
| n77 | 3 | 5.7 | 4.0 | 3.0 | 2.7 | | | | | | | |
| n78 | 3 | 5.7 | 4.0 | 3.0 | 2.7 | | | | | | | |
| n77 | 7[8] | 10.4 | 10.4 | 10.4 | 10.4 | | | | | | | |
| n77 | 13[2] | 31 | 28 | | | | | | | | | |
| n77 | 41[8] | 10.4 | 10.4 | 10.4 | 10.4 | | | | | | | |
| n77 | 28[2] | 28 | 25 | 23.2 | 22 | | | | | | | |
| n78 | 40[8] | 10.4 | 10.4 | 10.4 | 10.4 | | | | | | | |
| n78 | 41[8] | 10.4 | 10.4 | 10.4 | 10.4 | | | | | | | |
| n79 | 11[4] | 39.3 | 36.3 | 34.5 | | | | | | | | |
| n79 | 19[2] | 29.5 | 26.5 | 24.7 | | | | | | | | |
| n79 | 21[4] | 39.3 | 36.3 | 34.5 | | | | | | | | |
| n79 | 26[2] | 27 | 24 | 22.2 | | | | | | | | |

NOTE 1: These requirements apply when there is at least one individual RE within the uplink transmission bandwidth of the aggressor (higher) band for which the mixing product due to harmonic of victim (lower) band LO with leakage of aggressor (higher) band is within the downlink transmission bandwidth of a victim (lower) band.

NOTE 2: The requirements should be verified for DL EARFCN of the victim (lower) band (superscript LB) such that $f_{DL}^{LB} = \lfloor f_{UL}^{HB} / 0.5 \rfloor 0.1$ with $f_{DL}^{LB}$ the DL carrier frequency in the lower band and $f_{UL}^{HB}$ the UL carrier frequency in the higher band, both in MHz.

NOTE 3: Void.

NOTE 4: The requirements should be verified for DL EARFCN or NR ARFCN of the victim (lower) band (superscript LB) such that $f_{DL}^{LB} = \lfloor f_{UL}^{HB} / 0.3 \rfloor 0.1$ with $f_{DL}^{LB}$ the DL carrier frequency in the lower band and $f_{UL}^{HB}$ the UL carrier frequency in the higher band, both in MHz.

NOTE 5: Void

NOTE 6: Void

NOTE 7: Void

NOTE 8: The requirements should be verified for DL EARFCN of the victim (lower) band (superscript LB) such that $f_{DL}^{LB} = \lfloor f_{UL}^{HB} / 0.15 \rfloor 0.1$ with $f_{DL}^{LB}$ the DL carrier frequency in the lower band and $f_{UL}^{HB}$ the UL carrier frequency in the higher band, both in MHz.

NOTE 9: No requirements apply for the case that there is at least one individual RE within the uplink transmission bandwidth of the relative higher band and when the frequency range of relative higher band's uplink channel bandwidth or uplink 1st adjacent channel bandwidth is fully or partially overlapped with the 3 times of the frequency range of the relative lower band's downlink channel bandwidth. The reference sensitivity is only verified when this is not the case.

NOTE 10: MSD test point can be chosen according to supported BW and lowest SCS supported by the UE.

**Table 7.3B.2.3.2-2: Uplink configuration for reference sensitivity exceptions due to receiver harmonic mixing for EN-DC in NR FR1**

| E-UTRA or NR Band / SCS / Channel bandwidth of the affected DL band / UL RB allocation of the agressor band | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **SCS of UL band (kHz)** | **5 MHz ($L_{CRB}$)** | **10 MHz ($L_{CRB}$)** | **15 MHz ($L_{CRB}$)** | **20 MHz ($L_{CRB}$)** | **25 MHz ($L_{CRB}$)** | **40 MHz ($L_{CRB}$)** | **50 MHz ($L_{CRB}$)** | **60 MHz ($L_{CRB}$)** | **80 MHz ($L_{CRB}$)** | **90 MHz ($L_{CRB}$)** | **100 MHz ($L_{CRB}$)** |
| 1 | n71 | 15 | 25 | 50 | 75 | 100 | | | | | | | |
| 2 | n71 | 15 | 25 | 50 | 50 | 50 | | | | | | | |
| n40 | 28 | 15 | 25 | 50 | 75 | 100 | | | | | | | |
| n41 | 26 | 15 | 25 | 50 | 75 | | | | | | | | |
| n77 | 2 | 15 | 25 | 50 | 75 | 100 | | | | | | | |
| n77 | 3 | 15 | 25 | 50 | 75 | 100 | | | | | | | |
| n78 | 3 | 15 | 25 | 50 | 75 | 100 | | | | | | | |
| n77 | 7 | 15 | 12 | 25 | 36 | 50 | | | | | | | |
| n77 | 13 | 15 | 25 | 50 | | | | | | | | | |
| n77 | 28 | 15 | 25 | 50 | 75 | 100 | | | | | | | |
| n77 | 41 | 15 | 12 | 25 | 36 | 50 | | | | | | | |
| n78 | 40 | 15 | 12 | 25 | 36 | 50 | | | | | | | |
| n78 | 41 | 15 | 12 | 25 | 36 | 50 | | | | | | | |
| n79 | 11 | 15 | 25 | 50 | 75 | | | | | | | | |
| n79 | 19 | 15 | 25 | 50 | 75 | | | | | | | | |
| n79 | 21 | 15 | 25 | 50 | 75 | | | | | | | | |
| n79 | 26 | 15 | 25 | 50 | 75 | | | | | | | | |
| NOTE 1: Void<br>NOTE 2: Void<br>NOTE 3: The UL configuration applies regardless of the channel bandwidth of the UL band. UL resource blocks allocation in the table shall be further limited to that specified in Table 7.3.1-2 in TS 36.101 [4] or Table 7.3.2-3 in TS 38.101-1 [2].<br>NOTE 4: Unless otherwise stated, the UL resource blocks allocation is applied at the center of the channel bandwidth. The note applies to the entire table.<br>NOTE 5: If the aggressor band is NR band, the test SCS and UL RB can be adjusted according to supported BW and lowest SCS supported by the UE. | | | | | | | | | | | | | |

### 7.3B.2.3.3 Void

### 7.3B.2.3.4 Reference sensitivity exceptions due to cross band isolation for EN-DC in NR FR1

Sensitivity degradation is allowed for a band if it is impacted by UL of another band part of the same EN-DC configuration due to cross band isolation issues. Reference sensitivity exceptions for the victim band are specified in Table 7.3B.2.3.4-1 and Table 7.3B.2.3.4-1a with uplink configuration of the agressor band specified in Table 7.3B.2.3.4-2.

**Table 7.3B.2.3.4-1: Reference sensitivity exceptions (MSD) due to cross band isolation for PC3 EN-DC in NR FR1**

| E-UTRA or NR Band / Channel bandwidth of the affected DL band / MSD | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **5 MHz (dB)** | **10 MHz (dB)** | **15 MHz (dB)** | **20 MHz (dB)** | **25 MHz (dB)** | **30 MHz (dB)** | **40 MHz (dB)** | **50 MHz (dB)** | **60 MHz (dB)** | **70 MHz (dB)** | **80 MHz (dB)** | **90 MHz (dB)** | **100 MHz (dB)** |
| n1[3] | 3 | [3] | 2.3 | 2 | 1.8 | | | | | | | | | |
| n1 | 40 | 6.6 | 6.6 | 6.6 | 6.6 | | | | | | | | | |
| 1[3] | n3 | 3 | 2.2 | 1.9 | 1.7 | 1.6 | 1.5 | [1.4] | | | | | | |
| 1 | n40 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | | 6.6 | | |
| 1 | n41 | | 6.1 | 6.1 | 6.1 | | [6.1] | 6.1 | 6.1 | 6.1 | | 6.1 | 6.1 | 6.1 |
| n3 | 11 | 6.4 | 6.1 | | | | | | | | | | | |
| 3 | n41 | | 0.7 | 0.7 | 0.7 | | [0.7] | 0.7 | 0.7 | 0.7 | | 0.7 | 0.7 | 0.7 |
| 3 | n51 | 6.4 | | | | | | | | | | | | |
| 30 | n66 | 8.3 | 8.3 | 8.3 | 8.3 | [8.3] | [8.3] | 8.3 | | | | | | |
| n3 | 41 | 0.7 | 0.7 | 0.7 | 0.7 | | | | | | | | | |
| n5 | 28 | 4.5 | 3 | 2.2 | 0.3 | | | | | | | | | |
| 7 | n40 | 3.7 | 3.4 | 3.2 | 3.1 | [3.1] | [3.1] | 3.1 | 3.1 | 3.1 | | 3.1 | | |
| 18 | n28 | 4.5 | 3 | | | | | | | | | | | |
| n38 | 1 | 1.9 | 1.9 | 1.9 | 1.9 | | | | | | | | | |
| n38 | 2 | 0.6 | 0.6 | 0.6 | 0.6 | | | | | | | | | |
| n38 | 4 | 1.9 | 1.9 | 1.9 | 1.9 | | | | | | | | | |
| n38 | 66 | 1.9 | 1.9 | 1.9 | 1.9 | | | | | | | | | |
| n40 | 1 | 8.3 | 8.3 | 8.3 | 8.3 | | | | | | | | | |
| n41 | 4 | 3.5 | 3.5 | 3.5 | 3.5 | | | | | | | | | |
| 40 | n1 | 8.3 | 8.3 | 8.3 | 8.3 | [8.3] | [8.3] | [8.3] | [8.3] | | | | | |
| n40 | 7 | 3.7 | 3.7 | 3.7 | 3.7 | | | | | | | | | |
| n41 | 1 | 9.1 | 9.1 | 9.1 | 9.1 | | | | | | | | | |
| n41 | 2 | 0.6 | 0.6 | 0.6 | 0.6 | | | | | | | | | |
| n41 | 3 | 0.6 | 0.6 | 0.6 | 0.6 | | | | | | | | | |
| 41 | n3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | [0.6] | | | | | | |
| n41 | 66[1] | 3.5 | 3.5 | 3.5 | 3.5 | | | | | | | | | |
| n41 | 25 | 0.6 | 0.6 | 0.6 | 0.6 | | | | | | | | | |
| n50 | 3 | 2.5 | 1.9 | 1.6 | 1.5 | | | | | | | | | |
| n77 | 7[1] | 4.5 | 4.5 | 4.5 | 4.5 | | | | | | | | | |
| n77 | 41[1] | 4.5 | 4.5 | 4.5 | 4.5 | | | | | | | | | |
| 41 | n77 | | 8.3 | 8.3 | 8.3 | [7.3] | [6.5] | 6.3 | 5.3 | 4.5 | [4.3] | 4.0 | 3.9 | 3.8 |
| n78 | 7[1] | 4.5 | 4.5 | 4.5 | 4.5 | | | | | | | | | |
| n78 | 38 | 3.3 | 3.3 | 3.3 | 3.3 | | | | | | | | | |
| n78 | 41[1] | 4.5 | 4.5 | 4.5 | 4.5 | | | | | | | | | |
| n78 | 46 | | | | 7 | | | | | | | | | |
| 41 | n78 | | 8.3 | 8.3 | 8.3 | [7.3] | [6.5] | 6.3 | 5.3 | 4.5 | [4.3] | 4.0 | 3.9 | 3.8 |
| n79 | 42[6] | 2.6 | 2.6 | 2.6 | 2.6 | | | | | | | | | |
| n84[3] | 3 | 3 | 2.3 | 2 | 1.8 | | | | | | | | | |
| 48 | n46 | - | - | - | 7 | - | - | 5.7 | - | 5.1 | - | 4.7 | - | - |
| n46 | 48 | 13.3 | 10.4 | 8.8 | 7.8 | - | - | 7.8 | 7 | 6.5 | - | 5.7 | 5.4 | 5.1 |

| | |
|---|---|
| NOTE 1: | Applicable only when harmonic mixing MSD for this combination is not applied. |
| NOTE 2: | The B41 requirements are modified by -0.5dB when carrier frequency of the assigned E-UTRA channel bandwidth is within 2515 – 2690 MHz. |
| NOTE 3: | These requirements apply when the uplink is active in Band n1, n84 and the separation between the lower edge of the uplink channel in Band n1, n84 and the upper edge of the downlink channel in Band 3 is < 60 MHz. For each channel bandwidth in Band 3, the requirement applies regardless of channel bandwidth in Band n1, n84. |
| NOTE 4: | The DL victim band should be configured using the lowest SCS that is compatible with the highest CBW for which an MSD is specified. |
| NOTE 5: | MSD test point can be chosen according to supported BW and lowest SCS supported by the UE. |
| NOTE 6: | The requirements only apply for UEs supporting inter-band DC_42_n79 ENDC with simultaneous Rx/Tx capability. Simultaneous Rx/Tx capability does not apply for UEs supporting band 42 with a n77 implementation only. These restrictions are applicable to related higher order configurations. |

**Table 7.3B.2.3.4-1a: Reference sensitivity exceptions (MSD) due to cross band isolation for PC2 EN-DC in NR FR1**

| | E-UTRA or NR Band / Channel bandwidth of the affected DL band / MSD | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **5 MHz (dB)** | **10 MHz (dB)** | **15 MHz (dB)** | **20 MHz (dB)** | **25 MHz (dB)** | **30 MHz (dB)** | **40 MHz (dB)** | **50 MHz (dB)** | **60 MHz (dB)** | **80 MHz (dB)** | **90 MHz (dB)** | **100 MHz (dB)** |
| 3 | n41 | | 0.7 | 0.7 | 0.7 | | | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| n41 | 3 | 2.3 | 2.3 | 2.3 | 2.3 | | | | | | | | |

**Table 7.3B.2.3.4-2: Uplink configuration for reference sensitivity exceptions due to cross band isolation for EN-DC in NR FR1**

| E-UTRA or NR Band / SCS / Channel bandwidth of the affected DL band / UL RB allocation of the agressor band | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UL band** | **DL band** | **SCS of UL band (kHz)** | **5 MHz ($L_{CRB}$)** | **10 MHz ($L_{CRB}$)** | **15 MHz ($L_{CRB}$)** | **20 MHz ($L_{CRB}$)** | **25 MHz ($L_{CRB}$)** | **30 MHz ($L_{CRB}$)** | **40 MHz ($L_{CRB}$)** | **50 MHz ($L_{CRB}$)** | **60 MHz ($L_{CRB}$)** | **70 MHz ($L_{CRB}$)** | **80 MHz ($L_{CRB}$)** | **90 MHz ($L_{CRB}$)** | **100 MHz ($L_{CRB}$)** |
| n1 | 3 | 15 | 25 | 25 | 25 | 25 | | | | | | | | | |
| n1 | 40 | 15 | 25 | 50 | 75 | 100 | | | | | | | | | |
| 1 | n3 | 15 | 25 | 25 | 25 | 25 | 25 | 25 | [25] | | | | | | |
| 1 | n40 | 15 | 25 | 50 | 75 | 100 | 100 | 100 | 100 | 100 | 100 | | 100 | | |
| 1 | n41 | 15 | | 100 | 100 | 100 | | [100] | 100 | 100 | 100 | | 100 | 100 | 100 |
| n3 | 11 | 15 | 25 | 50 | | | | | | | | | | | |
| 3 | n41 | 15 | | 50 | 50 | 50 | | [50] | 50 | 50 | 50 | | 50 | 50 | 50 |
| 3 | n51 | 15 | 25 | | | | | | | | | | | | |
| 30 | n66 | 15 | 25 | 25 | 25 | 25 | [25] | [25] | 25 | | | | | | |
| n3 | 41 | 15 | 25 | 50[2] | 50[2] | 50[2] | | | | | | | | | |
| n5 | 28 | 15 | 25 | 25 | 20 | 20 | | | | | | | | | |
| 7 | n40 | 15 | 25 | 50 | 75 | 75 | [75] | [100] | 100 | 100 | 100 | | 100 | | |
| 18 | n28 | 15 | 18 | 18 | | | | | | | | | | | |
| n38 | 1 | 15 | 100 | 100 | 100 | 100 | | | | | | | | | |
| n38 | 2 | 15 | 100 | 100 | 100 | 100 | | | | | | | | | |
| n38 | 4 | 15 | 100 | 100 | 100 | 100 | | | | | | | | | |
| n38 | 66 | 15 | 100 | 100 | 100 | 100 | | | | | | | | | |
| n40 | 1 | 15 | 25 | 50 | 75 | 100 | | | | | | | | | |
| n41 | 4 | 30 | 128 | 128 | 128 | 128 | | | | | | | | | |
| 40 | n1 | 15 | 25 | 50 | 75 | 100 | | | | | | | | | |
| n40 | 7 | 30 | 216 | 216 | 216 | 216 | | | | | | | | | |
| n41 | 1 | 30 | 128 | 128 | 128 | 128 | | | | | | | | | |
| n41 | 2 | 30 | 160 | 160 | 160 | 160 | | | | | | | | | |
| n41 | 3 | 30 | 160 | 160 | 160 | 160 | | | | | | | | | |
| 41 | n3 | 15 | 25 | 50 | 75 | 100 | 100 | 100 | [100] | | | | | | |
| n41 | 66 | 30 | 128 | 128 | 128 | 128 | | | | | | | | | |
| n41 | 25 | 30 | 160 | 160 | 160 | 160 | | | | | | | | | |
| n50 | 3 | 30 | 160 | 160 | 160 | 160 | | | | | | | | | |
| n77 | 7 | 30 | 270 | 270 | 270 | 270 | | | | | | | | | |
| n77 | 41 | 30 | 270 | 270 | 270 | 270 | | | | | | | | | |
| 41 | n77 | 15 | | 100 | 100 | 100 | [100] | [100] | 100 | 100 | 100 | [100] | 100 | 100 | 100 |
| n78 | 7 | 30 | 270 | 270 | 270 | 270 | | | | | | | | | |
| n78 | 38 | 30 | 270 | 270 | 270 | 270 | | | | | | | | | |
| n78 | 41 | 30 | 270 | 270 | 270 | 270 | | | | | | | | | |
| n78 | 46 | 30 | | | | 270 | | | | | | | | | |
| 41 | n78 | 15 | | 100 | 100 | 100 | [100] | [100] | 100 | 100 | 100 | [100] | 100 | 100 | 100 |
| n79 | 42 | 30 | 270[5] | 270[5] | 270[5] | 270[5] | | | | | | | | | |
| n84 | 3 | 15 | 25 | 25 | 25 | 25 | | | | | | | | | |
| 48 | n46 | 15 | | | | 216 | | | 216 | | 216 | | 216 | | |
| n46 | 48 | 30 | 216 | 216 | 216 | 216 | | | 216 | 216 | 216 | | 216 | 216 | 216 |

NOTE 1: The UL configuration applies regardless of the channel bandwidth of the UL band. UL resource blocks allocation in the table shall be further limited to that specified in Table 7.3.1-2 in TS 36.101 [4] or Table 7.3.2-3 in TS 38.101-1 [2].

NOTE 2: The UL resource blocks shall be located as close as possible to the downlink operating band but confined within the transmission bandwidth configuration for the channel bandwidth.

NOTE 3: When the maximum UL RB allocation "$L_{CRB}$" value is less than the maximum transmission bandwidth configuration "$N_{RB}$" defined in Table 5.3.2-1 in 38.101-1 [2] for the specified UL band SCS, the UL band should be configured using the lowest CBW that is compatible with the maximum specified $L_{CRB}$ value.

NOTE 4: If the aggressor band is NR band, the test SCS and UL RB can be adjusted according to supported BW and lowest SCS supported by the UE.

NOTE 5: The requirements only apply for UEs supporting inter-band ENDC with simultaneous Rx/Tx capability. Simultaneous Rx/Tx capability does not apply for UEs supporting band 42 with a n77 implementation only. These restrictions are applicable to related higher order configurations.

### 7.3B.2.3.5 MSD for intermodulation interference due to dual uplink operation for EN-DC in NR FR1

For EN-DC configurations in NR FR1 the UE may indicate capability of not supporting simultaneous dual uplink operation due to possible intermodulation interference overlapping in frequency to its own primary downlink channel bandwidth if

- the intermodulation order is 2;
- the intermodulation order is 3 when both operating bands are between 450 MHz – 960 MHz or between 1427 MHz – 2690 MHz

In the case for EN-DC configurations in NR FR1 for which the intermodulation products caused by dual uplink operation do not interfere with its own primary downlink channel bandwidth as defined in Annex I the UE is mandated to operate in dual and triple uplink mode.

For EN-DC configurations in NR FR1 with uplink and downlink assigned to E-UTRA and NR FR1 bands given in Table 7.3B.2.3.5.1-1, Table 7.3B.2.3.5.1-1a, Table 7.3B.2.3.5.2-0 and Table 7.3B.2.3.5.2-1 the reference sensitivity is defined only for the specific uplink and downlink test points specified in Table 7.3B.2.3.5.1-1, Table 7.3B.2.3.5.1-1a, Table 7.3B.2.3.5.2-0 and Table 7.3B.2.3.5.2-1. For these test points the reference sensitivity levels specified in clause 7.3.1 in TS 36.101 [4] and 7.3.2 of TS 38.101-1 [2] for the corresponding channel bandwidths or in clause 7.3.1 of TS 36.101 [4] are relaxed by the amount of the parameter MSD given in Table 7.3B.2.3.5.1-1, Table 7.3B.2.3.5.1-1a, Table 7.3B.2.3.5.2-0 and Table 7.3B.2.3.5.2-1.

The throughput on each of the CGs shall be ≥ 95% of the maximum throughput of the respective reference measurement channels as specified in Annex A of TS 38.101-1 [2] and Annex A of TS 36.101 [4], with parameters specified in Table 7.3B.2.3.5.1-1, Table 7.3B.2.3.5.1-1a, Table 7.3B.2.3.5.2-0 and Table 7.3B.2.3.5.2-1 with dual UL transmissions overlapping in time unless otherwise stated.

7.3B.2.3.5.1 MSD test points for intermodulation interference due to dual uplink operation for PC3 EN-DC in NR FR1 involving two bands

**Table 7.3B.2.3.5.1-1: MSD test points for PCell due to dual uplink operation for EN-DC in NR FR1 (two bands)**

| NR or E-UTRA Band / Channel bandwidth / $N_{RB}$ / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA or NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_1_n3 | 1 | 1950 | 5 | 25 | 2140 | 23 | IMD3 |
| | n3 | 1760 | 5 | 25 | 1855 | N/A | N/A |
| DC_1A-n5A | 1 | 1965 | 5 | 25 | 2155 | 6 | IMD4 |
| | n5 | 836.5 | 5 | 25 | 876.5 | N/A | N/A |
| DC_1A_n8A | 1 | 1965 | 5 | 25 | 2155 | 6.0 | IMD4 |
| | n8 | 887.5 | 5 | 25 | 932.5 | N/A | N/A |
| DC_1A_n71A<br>DC_1A_n71B | 1 | 1958 | 5 | 25 | 2148 | N/A | N/A |
| | n71 | 668 | 5 | 25 | 622 | 15.1 | IMD3 |
| DC_1A_n77A,<br>DC_1A_SUL_n77A-n84A,<br>DC_1A_n77(2A), | 1 | 1950 | 5 | 25 | 2140 | 29.8<br>32.5[4] | IMD2[3] |
| | n77 | 4090 | 10 | 50 | 4090 | N/A | N/A |
| DC_1A_n77A,<br>DC_1A_SUL_n77A-n84A,<br>DC_1A_n77(2A),<br>DC_1A_n78A,<br>DC_1A_SUL_n78A-n84A,<br>DC_1A_n78(2A) | 1 | 1950 | 5 | 25 | 2140 | 8.0<br>10.7[4] | IMD4[3] |
| | n77,<br>n78 | 3710 | 10 | 50 | 3710 | N/A | N/A |
| DC_2A_n46A | 2 | 1880 | 5 | 25 | 1960 | 12.0 | IMD3 |
| | n46 | 5720 | 20 | 100 | 5720 | N/A | N/A |
| DC_2A_n48A | 2 | 1852.5 | 5 | 25 | 1932.5 | 12 | IMD4 |
| | n48 | 3625 | 20 | 100 | 3625 | N/A | N/A |
| DC_2A_n66A,<br>DC_2A-2A_n66A<br>DC_2A_n66(2A) | 2 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| | n66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| DC_2A_n66A,<br>DC_2A-2A_n66A<br>DC_2A_n66(2A) | 2 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| | n66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| DC_2A_n77A<br>DC_2A-2A_n77A | 2 | 1855 | 5 | 25 | 1935 | 26<br>28.7[4] | IMD2 |
| | n77 | 3790 | 10 | 50 | 3790 | N/A | N/A |
| | 2 | 1885 | 5 | 25 | 1965 | 8.0<br>10.7[4] | IMD4 |
| | n77 | 3690 | 10 | 50 | 3690 | N/A | N/A |
| | 2 | 1885 | 5 | 25 | 1965 | 5<br>7.7[4] | IMD5 |
| | n77 | 3810 | 10 | 50 | 3810 | N/A | N/A |
| DC_2A_n78A<br>DC_2A_n78(2A) | 2 | 1855 | 5 | 25 | 1935 | 26<br>28.7[4] | IMD2[3] |
| | n78 | 3790 | 10 | 50 | 3790 | N/A | N/A |
| DC_2A_n78A<br>DC_2A_n78(2A) | 2 | 1885 | 5 | 25 | 1965 | 8.0<br>10.7[4] | IMD4[3] |
| | n78 | 3690 | 10 | 50 | 3690 | N/A | N/A |
| DC_3_n1 | 3 | 1760 | 5 | 25 | 1855 | N/A | N/A |
| | n1 | 1950 | 5 | 25 | 2140 | 23 | IMD3 |
| DC_3_n5 | 3 | 1771 | 10 | 50 | 1866 | 4 | IMD4 |
| | n5 | 838 | 5 | 25 | 883 | N/A | N/A |
| | 3 | 1721 | 10 | 50 | 1816 | N/A | N/A |
| | n5 | 838 | 5 | 25 | 883 | 24 | IMD2[3] |

| NR or E-UTRA Band / Channel bandwidth / $N_{RB}$ / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA or NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_3A_n7A<br>DC_3C_n7A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n7 | 2535 | 10 | 50 | 2655 | 10.2 | IMD4 |
| DC_3_n8 | n8 | 900 | 5 | 25 | 945 | 8 | IMD4[3] |
| | 3 | 1755 | 10 | 50 | 1850 | N/A | N/A |
| | n8 | 897.5 | 5 | 25 | 942.5 | N/A | N/A |
| | 3 | 1747.5 | 10 | 50 | 1842.5 | 6.4 | IMD5 |
| DC_3A-n20A | 3 | 1775 | 5 | 25 | 1870 | 4 | IMD4 |
| | n20 | 840 | 5 | 25 | 799 | N/A | N/A |
| | 3 | 1735 | 5 | 25 | 1830 | N/A | N/A |
| | n20 | 847 | 5 | 25 | 806 | 9 | IMD4 |
| DC_3A_n38A | 3 | 1713 | 5 | 25 | 1808 | 8.2 | IMD4 |
| | n38 | 2617 | 5 | 25 | 2617 | N/A | N/A |
| DC_3A_n41A<br>DC_3C_n41A<br>DC_3A_SUL_n41A-n80A,<br>DC_3C_SUL_n41A-n80A | 3 | 1740 | 5 | 25 | 1835 | 8.2 | IMD4 |
| | n41 | 2657.5 | 10 | 50 | 2657.5 | N/A | N/A |
| DC_3A_n77A,<br>DC_3A_n77(2A),<br>DC_3A_SUL_n77A-n80A,<br>DC_3A_n78A,<br>DC_3A_SUL_n78A-n80A,<br>DC_3A_n78(2A),<br>DC_3C_n78A<br>DC_3C_n78(2A) | 3 | 1740 | 5 | 25 | 1835 | 26<br>28.7[4] | IMD2[3] |
| | n77,<br>n78 | 3575 | 10 | 50 | 3575 | N/A | N/A |
| DC_3A_n77A,<br>DC_3A_n77(2A),<br>DC_3C_n77A,<br>DC_3C_n77(2A),<br>DC_3A_SUL_n77A-n80A,<br>DC_3A_n78A,<br>DC_3A_SUL_n78A-n80A,<br>DC_3A_n78(2A),<br>DC_3C_n78A<br>DC_3C_n78(2A) | 3 | 1765 | 5 | 25 | 1860 | 8.0<br>10.7[4] | IMD4[3] |
| | n77,<br>n78 | 3435 | 10 | 50 | 3435 | N/A | N/A |
| DC_4A_n2A | 2 | 1860 | 20 | 50[2] | 1940 | 5 | IMD3 |
| | 4 | 1752.5 | 5 | 25 | 2152.5 | N/A | N/A |
| | 2 | 1868.3 | 5 | 25 | 1948.3 | N/A | N/A |
| | 4 | 1735 | 5 | 25 | 2135 | 5 | IMD5 |
| DC_4A_n5A | n5 | 838 | 5 | 25 | 883 | 30 | IMD2[3] |
| | 4 | 1721 | 5 | 25 | 2121 | N/A | N/A |
| DC_4A_n7A | 4 | 1730 | 5 | 25 | 2130 | N/A | N/A |
| | n7 | 2535 | 10 | 50 | 2655 | 15 | IMD4 |
| DC_5_n7 | n7 | 2547 | 10 | 50 | 2667 | N/A | N/A |
| | 5 | 834 | 5 | 25 | 879 | 12 | IMD3[3] |
| DC_5_n38 | 5 | 844 | 5 | 25 | 889 | 12 | IMD3[3] |
| | n38 | 2577 | 10 | 50 | 2577 | N/A | N/A |
| DC_5A_n66A | 5 | 838 | 5 | 25 | 883 | 30 | IMD2[3] |
| | n66 | 1721 | 5 | 25 | 2121 | N/A | N/A |
| DC_5A_n77A | 5 | 844 | 5 | 25 | 889 | 8.3 | IMD4 |

| NR or E-UTRA Band / Channel bandwidth / $N_{RB}$ / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA or NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n77 | 3421 | 10 | 50 | 3421 | N/A | N/A |
| | 5 | 826.5 | 5 | 25 | 871.5 | 5.5 | IMD5 |
| | n77 | 4177.5 | 10 | 50 | 4177.5 | N/A | N/A |
| DC_5A_n78A<br>DC_5A_n78(2A)<br>DC_5A_n78C | 5 | 844 | 5 | 25 | 889 | 8.3 | IMD4 |
| | n78 | 3421 | 10 | 50 | 3421 | N/A | N/A |
| DC_7_n3 | 7 | 2535 | 10 | 50 | 2655 | 13 | IMD4 |
| | n3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| DC_7_n5 | 7 | 2547 | 10 | 50 | 2667 | N/A | N/A |
| | n5 | 834 | 5 | 25 | 879 | 12 | IMD3[3] |
| DC_7A_n20A | 7 | 2512 | 10 | 50 | 2632 | N/A | N/A |
| | n20 | 851 | 5 | 25 | 810 | 12 | IMD3[3] |
| DC_7_n40 | 7 | 2510 | 5 | 25 | 2630 | 23 | IMD3 |
| | n40 | 2390 | 5 | 25 | 2390 | N/A | N/A |
| DC_7A_n66A<br>DC_7A-7A_n66A<br>DC_7C_n66A | 7 | 2535 | 10 | 50 | 2655 | 15 | 4th IMD |
| | n66 | 1730 | 5 | 25 | 2130 | N/A | N/A |
| DC_7A_n77A<br>DC_7A-7A_n77(2A)<br>DC_7A_n77(2A)<br>DC_7C_n77A<br>DC_7C_n77(2A) | 7 | 2540 | 5 | 25 | 2660 | 7.1 | IMD4 |
| | n77 | 3870 | 10 | 50 | 3870 | N/A | N/A |
| DC_8A_n1A | 8 | 887.5 | 5 | 25 | 932.5 | N/A | N/A |
| | n1 | 1965 | 5 | 25 | 2155 | 6 | IMD4 |
| DC_8A_n3A | 8 | 900 | 5 | 25 | 945 | 8 | IMD4[3] |
| | n3 | 1755 | 10 | 50 | 1850 | N/A | N/A |
| | 8 | 897.5 | 5 | 25 | 942.5 | N/A | N/A |
| | n3 | 1747.5 | 10 | 50 | 1842.5 | 6.4 | IMD5 |
| DC_8A_n20A | n20 | 849.5 | 5 | 25 | 808.5 | 25 | IMD3[3] |
| | 8 | 890.5 | 5 | 25 | 935.5 | N/A | N/A |
| | n20 | 847.5 | 5 | 25 | 806.5 | N/A | N/A |
| | 8 | 892.5 | 5 | 25 | 937.5 | 25 | IMD3[3] |
| DC_8A_n41A<br>DC_8A_SUL_n41A-n81A | 8 | 882.5 | 5 | 25 | 927.5 | 12.1 | IMD3[3] |
| | n41 | 2685 | 10 | 50 | 2685 | N/A | N/A |
| DC_8A_n77A,<br>DC_8A_n78A,<br>DC_8A_SUL_n78A-n81A | 8 | 897.5 | 5 | 25 | 942.5 | 8.3 | IMD4 |
| | n77, n78 | 3635 | 10 | 50 | 3635 | N/A | N/A |
| DC_8A_n79A,<br>DC_8A-n79C,<br>DC_8A_SUL_n79A-n81A | 8 | 897.5 | 5 | 25 | 942.5 | 4.8 | IMD5 |
| | n79 | 4532.5 | 40 | 216 | 4532.5 | N/A | N/A |
| DC_11A_n28A | 11 | 1430.5 | 5 | 25 | 1478.5 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | 10.4 | IMD4 |
| DC_12_n78 | 12 | 710 | 5 | 25 | 740 | 5.5 | IMD5 |
| | n78 | 3580 | 10 | 50 | 3580 | N/A | N/A |
| DC_13_n5 | 13 | 783 | 5 | 25 | 752 | N/A | N/A |
| | n5 | 828 | 5 | 25 | 873 | 25 | IMD3 |
| DC_13A_n7A<br>DC_13A_n7(2A) | 13 | 784.5 | 5 | 25 | 753.5 | N/A | N/A |
| | n7 | 2520 | 40 | 216 | 2640 | 2.5 | IMD5 |
| DC_13A_n77A | 13 | 784.5 | 5 | 20 | 753.5 | 5.5 | IMD5 |
| | n77 | 3891.5 | 10 | 50 | 3891.5 | N/A | N/A |
| DC_18A_n3A | 18 | 823 | 5 | 25 | 868 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / $N_{RB}$ / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA or NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n3 | 1721 | 5 | 25 | 1816 | 4 | IMD4 |
| DC_18A_n77A<br>DC_18A_n78A | 18 | N/A | N/A | N/A | N/A | N/A | IMD4 |
| | n77, n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_19A_n78A | 19 | N/A | N/A | N/A | N/A | N/A | IMD4 |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_20A_n3A | 20 | 840 | 5 | 25 | 799 | N/A | N/A |
| | n3 | 1775 | 5 | 25 | 1870 | 4 | IMD4 |
| | 20 | 847 | 5 | 25 | 806 | 9 | IMD4 |
| | n3 | 1735 | 5 | 25 | 1830 | N/A | N/A |
| DC_20A_n38A | 20 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| | n38 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_20_n7 | 20 | 851 | 5 | 25 | 810 | 12 | IMD3[3] |
| | n7 | 2512 | 10 | 50 | 2632 | N/A | N/A |
| DC_20A_n8A | 20 | 849.5 | 5 | 25 | 808.5 | 25 | IMD3 |
| | n8 | 892.5 | 5 | 25 | 937.5 | 25 | IMD3 |
| DC_20_n41 | 20 | 851 | 5 | 25 | 810 | 12.1 | IMD3 |
| | n41 | 2512 | 10 | 50 | 2512 | N/A | N/A |
| DC_20_n41 | 20 | 841 | 5 | 25 | 800 | 8.1 | IMD5 |
| | n41 | 2564 | 10 | 50 | 2564 | N/A | N/A |
| DC_20A_n77A,<br>DC_20A_n78A,<br>DC_20A_n78(2A),<br>DC_20A_SUL_n78A-n82A | 20 | 850 | 5 | 25 | 809 | 11 | IMD4 |
| | n77, n78 | 3359 | 10 | 50 | 3359 | N/A | N/A |
| DC_20A_n77A | 20 | 840 | 5 | 25 | 799 | 6.5 | IMD5 |
| | n77 | 4159 | 10 | 50 | 4159 | N/A | N/A |
| DC_21A_n79A | 21 | 1457.5 | 5 | 25 | 1505.5 | 18.4 | IMD3 |
| | n79 | 4420.5 | 40 | 216 | 4420.5 | N/A | N/A |
| DC_26A_n41A | 26 | 839 | 5 | 25 | 884 | 15.6 | IMD3[3] |
| | n41 | 2562 | 10 | 50 | 2562 | N/A | N/A |
| DC_28_n50 | 28 | 730 | 10 | 50 | 775 | 15.3 | IMD 2 |
| | n50 | 1500 | 10 | 50 | 1500 | N/A | N/A |
| | 28 | 740 | 10 | 50 | 785 | 6 | IMD 4 |
| | n50 | 1500 | 10 | 50 | 1500 | N/A | N/A |
| | 28 | 740 | 10 | 50 | 785 | 0.5 | IMD 5 |
| | n50 | 1500 | 10 | 50 | 1500 | N/A | N/A |
| DC_28A_n51A | 28 | 742.3 | 5 | 25 | 797.3 | 5 | IMD4 |
| | n51 | 1429.5 | 5 | 25 | 1429.5 | N/A | N/A |
| DC_26A_n77A,<br>DC_26A_n78A | 26 | 836.5 | 5 | 25 | 881.5 | 11.1 | IMD4 |
| | n77, n78 | 3391 | 10 | 50 | 3391 | N/A | N/A |
| DC_28A_n77A,<br>DC_28A_n78A,<br>DC_28A_n78(2A),<br>DC_28A_SUL_n78A-n83A | 28 | 705.5 | 5 | 25 | 760.5 | 5.5 | IMD5 |
| | n77, n78 | 3582.5 | 10 | 50 | 3582.5 | N/A | N/A |
| DC_41A_n3A<br>DC_41C_n3A | n3 | 1740 | 5 | 25 | 1835 | 8.2 | IMD4 |
| | 41 | 2657.5 | 5 | 25 | 2657.5 | N/A | N/A |
| DC_42_n3 | 42 | 3575 | 10 | 50 | 3575 | N/A | N/A |
| | n3 | 1740 | 5 | 25 | 1835 | 26<br>28.7[4] | 2nd[3] |
| | 42 | 3435 | 10 | 50 | 3435 | N/A | N/A |
| | n3 | 1765 | 5 | 25 | 1860 | 8.0<br>10.7[4] | 4th[3] |

| NR or E-UTRA Band / Channel bandwidth / $N_{RB}$ / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA or NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_42_n28 | 42 | 3582.5 | 10 | 50 | 3582.5 | N/A | N/A |
| | n28 | 705.5 | 5 | 25 | 760.5 | 5.5 | IMD5 |
| DC_48A_n12A | 48 | 3557.5 | 10 | 50 | 3557.5 | N/A | N/A |
| | n12 | 705.5 | 5 | 25 | 735.5 | 5.5 | IMD5 |
| DC_48A_n25A<br>DC_48C_n25A<br>DC_48D_n25A | 48 | 3625 | 20 | 100 | 3625 | N/A | N/A |
| | n25 | 1852.5 | 5 | 25 | 1932.5 | 12 | IMD4 |
| DC_48A_n66A<br>DC_48C_n66A<br>DC_48D_n66A | 48 | 3630 | 20 | 100 | 3630 | N/A | N/A |
| | n66 | 1715 | 5 | 25 | 2115 | 4 | IMD5 |
| DC_66A_n2A,<br>DC_66A-66A_n2A | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| | n2 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| | 66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| | n2 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| DC_66A_n5A | n5 | 838 | 5 | 25 | 883 | 30 | IMD2[3] |
| | 66 | 1721 | 5 | 25 | 2121 | N/A | N/A |
| DC_66A_n7A<br>DC_66A-66A_n7A<br>DC_66A_n7(2A)<br>DC_66A-66A_n7(2A) | 66 | 1730 | 5 | 25 | 2130 | N/A | N/A |
| | n7 | 2535 | 10 | 50 | 2655 | 15 | IMD4 |
| DC_66A_n25A | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| | n25 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| | 66 | 1712.5 | 5 | 25 | 2112.5 | 23 | IMD3 |
| | n25 | 1912.5 | 5 | 25 | 1992.5 | N/A | N/A |
| | 66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| | n25 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| DC_66A_n46A | 66 | 1735 | 5 | 25 | 2135 | 12.0 | IMD3 |
| | n46 | 5605 | 20 | 100 | 5605 | N/A | N/A |
| DC_66A_n48A | 66 | 1715 | 5 | 25 | 2115 | 4 | IMD5 |
| | n48 | 3630 | 20 | 100 | 3630 | N/A | N/A |
| DC_66A_n71A | 66 | 1750 | 5 | 25 | 2150 | 5 | IMD4 |
| | n71 | 675 | 5 | 25 | 629 | N/A | N/A |
| DC_66A_n77A<br>DC_66-66_n77A<br>DC_66-66-66_n77A | 66 | 1775 | 5 | 25 | 2175 | 31.0 | IMD2 |
| | n77 | 3950 | 10 | 50 | 3950 | N/A | N/A |
| | 66 | 1730 | 5 | 25 | 2130 | 5.0 | IMD5 |
| | n77 | 3660 | 10 | 50 | 3660 | N/A | N/A |
| DC_66A_n78A | 66 | 1730 | 5 | 25 | 2150 | 5.0 | IMD5 |
| | n78 | 3660 | 10 | 50 | 3660 | N/A | N/A |
| DC_71A_n38A | 71 | 665 | 5 | 25 | 619 | 11 | IMD4 |
| | n38 | 2614 | 5 | 25 | 2614 | N/A | N/A |
| DC_71A_n66A | 71 | 675 | 5 | 25 | 629 | N/A | N/A |
| | n66 | 1750 | 5 | 25 | 2150 | 5 | IMD4 |
| DC_71A_n78A | 71 | 681.5 | 5 | 25 | 635.5 | 5.5 | IMD5 |
| | n78 | 3361.5 | 10 | 50 | 3582.5 | N/A | N/A |

NOTE 1: Both of the transmitters shall be set min(+20 dBm, $P_{CMAX_L,c}$) as defined in clause 6.2.5A.
NOTE 2: $RB_{start}$ = 0
NOTE 3: This band is subject to IMD5 also which MSD is not specified.
NOTE 4: Applicable only if operation with 4 antenna ports is supported in the band with EN-DC configured.
NOTE 5: Void
NOTE 6: For NR band, UL/DL BW and UL $L_{CRB}$ can be adjusted according to the supported BW and lowest SCS supported by the UE.

**Table 7.3B.2.3.5.1-1a: MSD test points for PCell due to dual uplink operation for PC2 EN-DC in NR FR1 (two bands)**

| NR or E-UTRA Band / Channel bandwidth / $N_{RB}$ / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA or NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_3A_n41A | 3 | 1740 | 5 | 25 | 1835 | 18.4 | IMD4 |
| | n41 | 2657.5 | 10 | 50 | 2657.5 | N/A | N/A |
| DC_3A_n78A | 3 | 1740 | 5 | 25 | 1835 | 31.9 | IMD2 |
| | n78 | 3575 | 10 | 50 | 3575 | N/A | N/A |
| DC_3A_n78A | 3 | 1765 | 5 | 25 | 1860 | 18.5 | IMD4 |
| | n78 | 3435 | 10 | 50 | 3435 | N/A | N/A |

7.3B.2.3.5.2 MSD test points for intermodulation interference due to dual uplink operation for EN-DC in NR FR1 involving three bands

**Table 7.3B.2.3.5.2-0: MSD test points for Pcell due to dual uplink operation for EN-DC in NR FR1 (three bands)**

| NR or E-UTRA Band / Channel bandwidth / $N_{RB}$ / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA/NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_66A_(n)71AA | 66 | 1750 | 5 | 25 | 2150 | 5 | IMD4 |
| | n71 | 678 | 10 | 10 ($RB_{start}$ =0) | 632 | N/A | N/A |
| NOTE 1: For NR band, UL/DL BW and UL $L_{CRB}$ can be adjusted according to the supported BW and lowest SCS supported by the UE. | | | | | | | |

**Table 7.3B.2.3.5.2-1: MSD test points for Scell due to dual uplink operation for EN-DC in NR FR1 (three bands)**

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_1A-3A_n28A<br>DC_1A-3C_n28A | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| | n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | 3 | 1723.5 | 5 | 25 | 1818.5 | 4.0 | IMD5 |
| DC_1A_n3A-n28A | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| | n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | n3 | 1723.5 | 5 | 25 | 1818.5 | 4.0 | IMD5 |
| DC_1A-3A_n28A<br>DC_1A-3C_n28A | 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| | n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | 1 | 1949 | 5 | 25 | 2139 | 11.0 | IMD4 |
| DC_1A_n3A-n41A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| | n3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| | n41 | 2507.5 | 5 | 25 | 2507.5 | 5.0 | IMD5 |
| DC_1A-3A_n71A<br>DC_1A-3A_n71B | 1 | 1960 | 5 | 25 | 2150 | 5 | IMD4 |
| | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | n71 | 675 | 5 | 25 | 629 | N/A | N/A |
| DC_1A-7A_n28A<br>DC_1A-7C_n28A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| | n28 | 718 | 5 | 25 | 773 | N/A | N/A |
| | 7 | 2533 | 10 | 50 | 2653 | 30.0 | IMD2 |
| DC_1A-7A_n40A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | 7 | 2510 | 5 | 25 | 2630 | 23 | IMD3 |
| | n40 | 2390 | 5 | 25 | 2390 | N/A | N/A |
| | 1 | 1930 | 5 | 25 | 2120 | 16.4 | IMD3 |
| | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| | n40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| DC_1A-8A_n78A | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 8 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_1A-3A_n77A<br>DC_1A-3C_n77A<br>DC_1A-3C_n77(2A) | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 3 | 1712.5 | 5 | 25 | 1807.5 | 31.5 | IMD2 |
| | n77 | 3757.5 | 10 | 50 | 3757.5 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 3 | 1775 | 5 | 25 | 1870 | 8.5 | IMD4 |
| | n77 | 3980 | 10 | 50 | 3980 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 31.0 | IMD2 |
| | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| | n77 | 3915 | 10 | 50 | 3915 | N/A | N/A |
| DC_1A_n3A-n77A<br>DC_1A_n3A-n77(2A) | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | n77 | 3700 | 10 | 50 | 3700 | 28.4 | IMD2 |
| | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| | n77 | 3360 | 10 | 50 | 3360 | 11.2 | IMD4 |
| | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n77 | 3757.5 | 10 | 50 | 3757.5 | N/A | N/A |
| | n3 | 1712.5 | 5 | 25 | 1807.5 | 31.5 | IMD2 |
| | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n77 | 3980 | 10 | 50 | 3980 | N/A | N/A |
| | n3 | 1775 | 5 | 25 | 1870 | 8.5 | IMD4 |
| DC_1A-3A_n78A<br>DC_1A-3C_n78A<br>DC_1A-3A_n78(2A)<br>DC_1A-3C_n78(2A) | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 3 | 1712.5 | 5 | 25 | 1807.5 | 31.2 | IMD2 |
| | n78 | 3757.5 | 10 | 50 | 3757.5 | N/A | N/A |
| | 1 | 1935 | 5 | 25 | 2125 | 2.8 | IMD5 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| | n78 | 3725 | 10 | 50 | 3725 | N/A | N/A |
| DC_1A_n3A-n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | n78 | 3700 | 10 | 50 | 3700 | 28.4 | IMD2 |
| | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n3 | 1735 | 5 | 25 | 1830 | 27.9 | IMD2 |
| | n78 | 3780 | 10 | 50 | 3780 | N/A | N/A |
| DC_1A-5A_n78A<br>DC_1A-5A_n78C | 1 | 1932 | 5 | 25 | 2122 | 18.1 | IMD3 |
| | 5 | 829 | 5 | 25 | 874 | N/A | N/A |
| | n78 | 3780 | 10 | 50 | 3780 | N/A | N/A |
| | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| | 5 | 840 | 5 | 25 | 885 | 3.1 | IMD5 |
| | n78 | 3405 | 10 | 50 | 3405 | N/A | N/A |
| DC_1A-7A_n78A<br>DC_1A-7C_n78A<br>DC_1A-7A_n78(2A)<br>DC_1A-7C_n78(2A)<br>DC_1A-7A_n78C<br>DC_1A-7A-7A_n78C | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| | 7 | 2507.5 | 5 | 25 | 2627.5 | 9.1 | IMD4 |
| | n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 8.7 | IMD4 |
| | 7 | 2510 | 10 | 50 | 2630 | N/A | N/A |
| | n78 | 3580 | 10 | 50 | 3580 | N/A | N/A |
| DC_1A_n7A-n78A<br>DC_1A_n7B-n78A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| | n7 | 2507.5 | 5 | 25 | 2627.5 | 9.1 | IMD4 |
| | n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
| | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | n7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 10.1 | IMD4 |
| DC_1A-3A_n79A | 1 | 1950 | 5 | 25 | 2140 | 3.6 | IMD5 |
| | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | n79 | 4860 | 40 | 216 | 4860 | N/A | N/A |
| DC_1A-5A_n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 5 | 837.5 | 5 | 25 | 882.5 | 18.3 | IMD3 |
| | n79 | 4782.5 | 40 | 216 | 4782.5 | N/A | N/A |
| | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | 5 | 837.5 | 5 | 25 | 882.5 | 8.9 | IMD4 |
| | n79 | 4907.5 | 40 | 216 | 4907.5 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 8.1 | IMD4 |
| | 5 | 837.5 | 5 | 25 | 882.5 | N/A | N/A |
| | n79 | 4652.5 | 40 | 216 | 4652.5 | N/A | N/A |
| DC_1A-8A_n28A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | n28 | 730 | 5 | 25 | 785 | N/A | N/A |
| | 8 | 905 | 5 | 25 | 950 | 3.3 | IMD5 |
| DC_1A_n8A-n40A | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | n8 | 885 | 5 | 25 | 930 | 8.0 | IMD4 |
| | n40 | 2395 | 5 | 25 | 2395 | N/A | N/A |
| DC_1A-8A_n77A | 1 | 1955 | 5 | 25 | 2145 | N/A | N/A |
| | n77 | 3410 | 10 | 50 | 3410 | N/A | N/A |
| | 8 | 910 | 5 | 25 | 955 | 3.3 | IMD5 |
| DC_1A-8A_n77A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n77 | 3960 | 10 | 50 | 3960 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 14.4 | IMD3 |
| DC_1A_n8A-n78A | 1 | 1945 | 5 | 25 | 2135 | N/A | N/A |
| | n8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n78 | 3745 | 10 | 52 | 3745 | 14.9 | IMD3 |
| | 1 | 1940 | 5 | 25 | 2130 | N/A | N/A |
| | n8 | 895 | 5 | 25 | 940 | 3.3 | IMD5 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n78 | 3380 | 10 | 52 | 3330 | N/A | N/A |
| DC_1A-8A_n79A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| | n79 | 4815 | 40 | 216 | 4815 | N/A | N/A |
| | 8 | 900 | 5 | 25 | 945 | 15.8 | IMD3 |
| DC_1A-8A_n79A | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n79 | 4845 | 40 | 216 | 4845 | N/A | N/A |
| | 1 | 1955 | 5 | 25 | 2145 | 8.2 | IMD4 |
| DC_1A-11A_n3A | 1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
| | n3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | 11 | 1432 | 5 | 25 | 1480 | 15.2 | IMD3 |
| DC_1A-11A_n77A | 1 | 1955 | 5 | 25 | 2145 | N/A | N/A |
| | n77 | 3441 | 10 | 50 | 3441 | N/A | N/A |
| | 11 | 1438 | 5 | 25 | 1486 | 31.4 | IMD2 |
| DC_1A-11A_n77A | 11 | 1438 | 5 | 25 | 1486 | N/A | N/A |
| | n77 | 3578 | 10 | 50 | 3578 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 30.8 | IMD2 |
| DC_1A-11A_n78A | 1 | 1955 | 5 | 25 | 2145 | N/A | N/A |
| | n78 | 3441 | 10 | 50 | 3441 | N/A | N/A |
| | 11 | 1438 | 5 | 25 | 1486 | 31.4 | IMD2 |
| DC_1A-11A_n78A | 11 | 1438 | 5 | 25 | 1486 | N/A | N/A |
| | n78 | 3578 | 10 | 50 | 3578 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 30.8 | IMD2 |
| DC_1A-18A_n77A<br>DC_1A-18A_n77(2A) | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 18 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| | n77 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 1 | 1930 | 5 | 25 | 2120 | 16.4 | IMD3 |
| | 18 | 825 | 5 | 25 | 870 | N/A | N/A |
| | n77 | 3770 | 10 | 50 | 3770 | N/A | N/A |
| DC_1A-18A_n78A<br>DC_1A-18A_n78(2A) | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 18 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 1 | 1930 | 5 | 25 | 2120 | 16.4 | IMD3 |
| | 18 | 819 | 5 | 25 | 864 | N/A | N/A |
| | n78 | 3758 | 10 | 50 | 3758 | N/A | N/A |
| DC_1A-18A_n79A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| | 18 | 822.5 | 5 | 25 | 867.5 | 18.3 | IMD3 |
| | n79 | 4737.5 | 40 | 216 | 4737.5 | N/A | N/A |
| | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | 18 | 820 | 5 | 25 | 865 | 8.9 | IMD4 |
| | n79 | 4925 | 40 | 216 | 4925 | N/A | N/A |
| | 1 | 1935 | 5 | 25 | 2125 | 8.1 | IMD4 |
| | 18 | 822.5 | 5 | 25 | 867.5 | N/A | N/A |
| | n79 | 4592.5 | 40 | 216 | 4592.5 | N/A | N/A |
| DC_1A-19A_n77A<br>DC_1A-19A_n78A | 1 | 1940 | 5 | 25 | 2130 | 17.8 | IMD3 |
| | 19 | 832.5 | 5 | 25 | 877.5 | N/A | N/A |
| | n77, n78 | 3795 | 10 | 50 | 3795 | N/A | N/A |
| | 1 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| | 19 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n78 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| DC_1A_n28A-n41A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| | n28 | 718 | 5 | 25 | 773 | N/A | N/A |
| | n41 | 2653 | 10 | 50 | 2653 | 30.1 | IMD2 |
| | 1 | 1923 | 5 | 25 | 2113 | N/A | N/A |
| | n41 | 2685 | 10 | 50 | 2685 | N/A | N/A |
| | n28 | 707 | 5 | 25 | 762 | 29.3 | IMD2 |
| | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| | n41 | 2510 | 10 | 50 | 2510 | N/A | N/A |
| | n28 | 730 | 10 | 50 | 785 | 4.5 | IMD5 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_1A-20A_n8A | 1 | 1925 | 5 | 25 | 2115 | N/A | N/A |
| | n8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | 20 | 846 | 5 | 25 | 805 | 11.5 | IMD4 |
| DC_1A-20A_n38A | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 20 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| | n38 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_1A-28A_n3A | 28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | n3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| | 1 | 1949 | 5 | 25 | 2139 | 11.0 | IMD4 |
| DC_1A-28A_n7A<br>DC_1A-1A-28A_n7A<br>DC_1A-28A_n7B<br>DC_1A-1A-28A_n7B | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| | 28 | 730 | 10 | 50 | 785 | 4.5 | IMD5 |
| | n7 | 2510 | 10 | 50 | 2630 | N/A | N/A |
| DC_1A-19A_n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 19 | 837.5 | 5 | 25 | 882.5 | 18.3 | IMD3 |
| | n79 | 4782.5 | 40 | 216 | 4782.5 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 8.1 | IMD4 |
| | 19 | 837.5 | 5 | 25 | 882.5 | N/A | N/A |
| | n79 | 4652.5 | 40 | 216 | 4652.5 | N/A | N/A |
| DC_1A-20A_n78A | 1 | 1930 | 5 | 25 | 2120 | 20.3 | IMD3 |
| | 20 | 835 | 5 | 25 | 794 | N/A | N/A |
| | n78 | 3790 | 10 | 50 | 3790 | N/A | N/A |
| DC_1A-20A_n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 20 | 851 | 5 | 25 | 810 | 3.0 | IMD5 |
| | n78 | 3330 | 10 | 50 | 3330 | N/A | N/A |
| DC_1A-21A_n77A<br>DC_1A-21A_n78A | 1 | 1964.6 | 5 | 25 | 2154.6 | 30.6 | IMD2 |
| | 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| | n77, n78 | 3605 | 10 | 50 | 3605 | N/A | N/A |
| | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 21 | N/A | N/A | N/A | N/A | N/A | IMD2 |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 21 | 1452 | 5 | 25 | 1500 | 2.9 | IMD5 |
| | n77, n78 | 3675 | 10 | 50 | 3675 | N/A | N/A |
| DC_1A-21A_n79A | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 21 | N/A | N/A | N/A | N/A | N/A | IMD4 |
| | n79 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_1A_n28A-n40A | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n40 | 2374 | 5 | 25 | 2374 | 10.1 | IMD4 |
| | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | n28 | 713 | 5 | 25 | 768 | 8.6 | IMD4 |
| | n40 | 2314 | 5 | 25 | 2314 | N/A | N/A |
| DC_1A-28A_n40A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 28 | 725 | 5 | 25 | 780 | 8.9 | IMD4 |
| | n40 | 2340 | 5 | 25 | 2340 | N/A | N/A |
| DC_1A-28A_n77A | 1 | 1960 | 5 | 25 | 2150 | 15.8 | IMD3 |
| | 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| | n77 | 3630 | 10 | 50 | 3630 | N/A | N/A |
| DC_1A-28A_n77A | 1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
| | 28 | 725 | 5 | 25 | 780 | 4.3 | IMD5 |
| | n77 | 3330 | 10 | 50 | 3330 | N/A | N/A |
| DC_1A-28A_n77A<br>DC_1A-28A_n78A | 1 | 1960 | 5 | 25 | 2150 | 15.7 | IMD3 |
| | 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| | n77/n78 | 3630 | 10 | 50 | 3630 | N/A | N/A |
| DC_1A-28A_n77A<br>DC_1A-28A_n78A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | 28 | 739 | 5 | 25 | 794 | 4.2 | IMD5 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n77/n78 | 3352 | 10 | 50 | 3352 | N/A | N/A |
| DC_1A_n28A-n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n28 | 733 | 5 | 25 | 788 | N/A | N/A |
| | n78 | 3416 | 10 | 50 | 3416 | 15.7 | IMD3 |
| | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n78 | 3320 | 10 | 50 | 3320 | N/A | N/A |
| | n28 | 735 | 5 | 25 | 790 | 3.3 | IMD5 |
| DC_1A-28A_n79A | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | 28 | 733 | 5 | 25 | 788 | 15.2 | IMD3 |
| | n79 | 4648 | 40 | 216 | 4648 | N/A | N/A |
| | 1 | 1925 | 5 | 25 | 2115 | N/A | N/A |
| | 28 | 740 | 5 | 25 | 795 | 10.0 | IMD4 |
| | n79 | 4980 | 40 | 216 | 4980 | N/A | N/A |
| | 1 | 1977.5 | 5 | 25 | 2167.5 | 1.2 | IMD4 |
| | 28 | 745.5 | 5 | 25 | 800.5 | N/A | N/A |
| | n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| | 1 | 1935 | 5 | 25 | 2125 | 4.5 | IMD5 |
| | 28 | 718 | 5 | 25 | 773 | N/A | N/A |
| | n79 | 4807 | 40 | 216 | 4807 | N/A | N/A |
| DC_1A-32A_n3A | n3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | 32 | N/A | 5 | 25 | 1480 | 15.2 | IMD3[4] |
| | 1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
| DC_1A-32A_n78A<br>DC_1A-32A_n78(2A) | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | 32 | N/A | 5 | 25 | 1470 | 31.8 | IMD2 |
| | n78 | 3400 | 10 | 50 | 3400 | N/A | N/A |
| | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | 32 | N/A | 5 | 25 | 1470 | 0 | IMD5 |
| | n78 | 3630 | 10 | 50 | 3630 | N/A | N/A |
| DC_1A-40A_n78A<br>DC_1A-40C_n78A | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | 40 | 2340 | 5 | 25 | 2340 | 10.6 | IMD4 |
| | n78 | 3450 | 10 | 50 | 3450 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 9.1 | IMD4 |
| | 40 | 2360 | 5 | 25 | 2360 | N/A | N/A |
| | n78 | 3430 | 10 | 50 | 3430 | N/A | N/A |
| DC_1A_n40A-n78A<br>DC_1A_n40A-n78(2A) | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | n40 | 2340 | 5 | 25 | 2340 | N/A | N/A |
| | n78 | 3450 | 10 | 50 | 3450 | 9.8 | IMD4 |
| | 1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
| | n40 | 2360 | 5 | 25 | 2360 | 10.6 | IMD4 |
| | n78 | 3520 | 10 | 50 | 3520 | N/A | N/A |
| DC_1A-41A_n3A<br>DC_1A-41C_n3A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| | n3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| | 41 | 2507.5 | 5 | 25 | 2507.5 | 5.0 | IMD5 |
| DC_1A-41A_n28A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| | n28 | 718 | 5 | 25 | 773 | N/A | N/A |
| | 41 | 2653 | 10 | 50 | 2653 | 30 | IMD2 |
| DC_1A-41A_n77A<br>DC_1A-41C_n77A<br>DC_1A-41A_n77(2A)<br>DC_1A-41C_n77(2A) | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | n77 | 3400 | 10 | 50 | 3400 | N/A | |
| | 41 | 2510 | 5 | 25 | 2510 | N/A | IMD4 |
| | 1 | 1950 | 5 | 25 | 2140 | 9.3 | IMD4 |
| | n77 | 3710 | 10 | 50 | 3710 | N/A | N/A |
| | 41 | 2640 | 5 | 25 | 2640 | N/A | N/A |
| | 1 | 1930 | 5 | 25 | 2120 | 11.0 | N/A |
| | n77 | 4150 | 10 | 50 | 4150 | N/A | |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 41 | 2510 | 5 | 25 | 2510 | N/A | IMD5 |
| DC_1A-41A_n78A<br>DC_1A-41C_n78A<br>DC_1A-41A_n78(2A)<br>DC_1A-41C_n78(2A) | 1 | 1950 | 5 | 25 | 2140 | 9.3 | IMD4 |
| | 41 | 2640 | 5 | 25 | 2640 | N/A | N/A |
| | n78 | 3710 | 10 | 50 | 3710 | N/A | N/A |
| | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| | 41 | 2515 | 5 | 25 | 2515 | 12 | IMD4 |
| | n78 | 3410 | 10 | 50 | 3410 | N/A | N/A |
| DC_1A-41A_n78A | 1 | 1955 | 5 | 25 | 2145 | 8.7 | IMD4 |
| | 41 | 2507.5 | 10 | 50 | 2507.5 | N/A | N/A |
| | n78 | 3580 | 10 | 50 | 3580 | N/A | N/A |
| DC_1A_n41A-n77A<br>DC_1A_n41A-n78A | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| | n41 | 2515 | 10 | 50 | 2515 | 11.5 | IMD4 |
| | n78 | 3410 | 10 | 50 | 3410 | N/A | N/A |
| | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | n41 | 2650 | 10 | 25 | 2650 | N/A | N/A |
| | n78 | 3330 | 10 | 50 | 3330 | 19.6 | IMD3 |
| DC_1A-41A_n79A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | n79 | 4500 | 40 | 216 | 4500 | N/A | |
| | 41 | 2530 | 5 | 25 | 2530 | 29.4 | IMD2 |
| DC_1A_n75A-n78A<br>DC_1A_n75A-n78(2A) | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | n78 | 3400 | 10 | 50 | 3400 | N/A | N/A |
| | n75 | - | - | - | 1470 | 30.4 | IMD2 |
| DC_1A-42A_n3A | 1 | 1922.5 | 5 | 25 | 2112.5 | N/A | N/A |
| | n3 | 1782.5 | 5 | 25 | 1877.5 | N/A | N/A |
| | 42 | 3425 | 5 | 25 | 3425 | 13.0 | IMD4 |
| DC_1A-42A_n28A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n28 | 733 | 5 | 25 | 788 | N/A | N/A |
| | 42 | 3416 | 5 | 25 | 3416 | 15.7 | IMD3 |
| DC_1A-42A_n28A | 42 | 3580 | 5 | 25 | 3580 | N/A | N/A |
| | n28 | 723 | 5 | 25 | 778 | N/A | N/A |
| | 1 | 1944 | 5 | 25 | 2134 | 15.7 | IMD3 |
| DC_1A-42A_n79A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| | n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| | 42 | 3490 | 5 | 25 | 3490 | 4.8 | IMD5 |
| | 42 | 3402.5 | 5 | 25 | 3402.5 | N/A | N/A |
| | n79 | 4640 | 40 | 216 | 4640 | N/A | N/A |
| | 1 | 1975 | 5 | 25 | 2165 | 15.5 | IMD3 |
| | 42 | 3450 | 5 | 25 | 3450 | N/A | N/A |
| | n79 | 4520 | 40 | 216 | 4520 | N/A | N/A |
| | 1 | 1950 | 5 | 25 | 2140 | 9.3 | IMD4 |
| DC_1A_SUL_n77A-n80A | 1 | 1950 | 5 | 25 | 2140 | 23 | IMD3 |
| | n80 | 1760 | 5 | 25 | | N/A | N/A |
| DC_1A_SUL_n77A-n80A | 1 | 1922.5 | 5 | 25 | 2112.5 | N/A | N/A |
| | n80 | 1782.5 | 5 | 25 | | N/A | N/A |
| | n78 | 3425 | 10 | 50 | 3425 | 13.0 | IMD4 |
| DC_1A_n78A-n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n78 | 3410 | 10 | 50 | 3410 | N/A | N/A |
| | n79 | 4870 | 40 | 216 | 4870 | 15.9 | IMD3 |
| | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n79 | 4670 | 40 | 216 | 4670 | N/A | N/A |
| | n78 | 3490 | 10 | 50 | 3490 | 4.6 | IMD5 |
| DC_1A_SUL_n78A-n80A | 1 | 1950 | 5 | 25 | 2140 | 23 | IMD3 |
| | n80 | 1760 | 5 | 25 | | N/A | N/A |
| | 1 | 1922.5 | 5 | 25 | 2112.5 | N/A | N/A |
| | n80 | 1782.5 | 5 | 25 | | N/A | N/A |
| | n78 | 3425 | 10 | 50 | 3425 | 13.0 | IMD4 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_2A-4A_n28A | 2 | 1880 | 5 | 25 | 1960 | 11.0 | IMD4 |
| | 4 | 1720 | 5 | 25 | 2120 | N/A | N/A |
| | n28 | 740 | 5 | 25 | 795 | N/A | N/A |
| DC_2A-4A_n41A | 2 | 1860 | 5 | 25 | 1940 | 11.0 | IMD4 |
| | 4 | 1715 | 5 | 25 | 2115 | N/A | N/A |
| | n41 | 2685 | 10 | 50 | 2685 | N/A | N/A |
| DC_2A-5A_n12A[8] | 2 | 1900 | 5 | 25 | 1980 | 5.9 | IMD5 |
| | 5 | 840 | 5 | 25 | 885 | N/A | N/A |
| | n12 | 705 | 5 | 25 | 735 | N/A | N/A |
| DC_2A-5A_n48A<br>DC_2A-5A_n48B | 2 | 1882 | 5 | 25 | 1962 | 15.6 | IMD3<br>$\lvert f_{n48}-2*f_{B5}\rvert$ |
| | 5 | 839 | 5 | 25 | 884 | N/A | N/A |
| | n48 | 3640 | 5 | 25 | 3640 | N/A | N/A |
| DC_2A-5A_n71A | 2 | 1855 | 5 | 25 | 1935 | N/A | N/A |
| | n71 | 686.5 | 5 | 25 | 640.5 | N/A | N/A |
| | 5 | 846.5 | 5 | 25 | 891.5 | 4.2 | IMD5 |
| DC_2A_n5A-n77A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| | n77 | 3540 | 10 | 50 | 3540 | 16.0 | IMD3 |
| | 2 | 1907 | 5 | 25 | 1987 | N/A | N/A |
| | n5 | 844 | 5 | 25 | 889 | 3.8 | IMD5 |
| | n77 | 3305 | 10 | 50 | 3305 | N/A | N/A |
| DC_2A-5A_n77A | 2 | 1907.5 | 5 | 25 | 1987.5 | N/A | N/A |
| | 5 | 842.5 | 5 | 25 | 887.5 | 3.8 | IMD5 |
| | n77 | 3305 | 5 | 25 | 3305 | N/A | N/A |
| | 2 | 1907 | 5 | 25 | 1987 | 16.5 | IMD3 |
| | 5 | 846.5 | 5 | 25 | 891.5 | N/A | N/A |
| | n77 | 3680 | 5 | 25 | 3680 | N/A | N/A |
| DC_2A-7A_n5A<br>DC_2A-7C_n5A<br>DC_2A-7A-7A_n5A | 2 | 1855 | 10 | 50 | 1935 | N/A | N/A |
| | 7 | 2575 | 10 | 50 | 2685 | 30.0 | IMD2 |
| | n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| DC_2A-7A_n28A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | 7 | 1720 | 5 | 25 | 2120 | 29.0 | IMD2 |
| | n28 | 740 | 5 | 25 | 795 | N/A | N/A |
| DC_2A-7A_n77A<br>DC_2A-7C_n77A<br>DC_2A-7A-7A_n77A<br>DC_2A-7A_n77(2A)<br>DC_2A-7C_n77(2A)<br>DC_2A-7A-7A_n77(2A) | 2 | 1870 | 5 | 25 | 1950 | 8.6 | IMD4 |
| | 7 | 2550 | 5 | 25 | 2685 | N/A | N/A |
| | n77 | 3525 | 10 | 50 | 3475 | N/A | N/A |
| | 2 | 1860 | 5 | 25 | 1940 | N/A | N/A |
| | 7 | 2540 | 5 | 25 | 2660 | 3.4 | IMD5 |
| | n77 | 4120 | 10 | 50 | 4120 | N/A | N/A |
| DC_2A-7A_n78A<br>DC_2A-7C_n78A<br>DC_2A-7A-7A_n78A<br>DC_2A-7A_n78(2A)<br>DC_2A-7C_n78(2A)<br>DC_2A-7A-7A_n78(2A) | 2 | 1870 | 5 | 25 | 1950 | 8.6 | IMD4 |
| | 7 | 2550 | 5 | 25 | 2685 | N/A | N/A |
| | n78 | 3525 | 10 | 50 | 3475 | N/A | N/A |
| DC_2A_n7A-n78A,<br>DC_2A_n7(2A)-n78A<br>DC_2A_n7A-n78(2A)<br>DC_2A_n7(2A)-n78(2A) | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| | n7 | 2525 | 5 | 25 | 2645 | N/A | N/A |
| | n78 | 3775 | 10 | 50 | 3775 | 4.2 | IMD5 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_2-8_n2 | 2 | 1860 | 5 | 25 | 1940 | 4 | IMD4 |
| | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| DC_2A-12A_n5A | 2 | 1900 | 5 | 25 | 1980 | 5.9 | IMD5 |
| | 12 | 705 | 5 | 25 | 735 | N/A | N/A |
| | n5 | 840 | 5 | 25 | 885 | N/A | N/A |
| DC_2A_12A-n66A | 2 | N/A | N/A | N/A | N/A | N/A | IMD4 |
| | 12 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n66 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_2A-13A_n48A<br>DC_2A-13A_n48B | 2 | 1903.5 | 5 | 25 | 1983.5 | 15.6 | IMD3<br>$\lvert f_{n48}-2*f_{B13}\rvert$ |
| | 13 | 784.5 | 5 | 25 | 753.5 | N/A | N/A |
| | n48 | 3552.5 | 5 | 25 | 3552.5 | N/A | N/A |
| DC_2A-13A_n66A<br>DC_2A-2A-13A_n66A | 2 | 1860 | 5 | 25 | 1940 | 6.2 | IMD4 |
| | 13 | 780 | 10 | 50 | 749 | N/A | N/A |
| | n66 | 1750 | 5 | 25 | 2150 | N/A | N/A |
| DC_2A-13A_n77A | 2 | 1864 | 5 | 25 | 1944 | 16.0 | IMD3 |
| | 13 | 783 | 5 | 25 | 752 | N/A | N/A |
| | n77 | 3510 | 5 | 25 | 3510 | N/A | N/A |
| DC_2A_n38A-n78A | 2 | 1870 | 5 | 25 | 1950 | N/A | N/A |
| | n38 | 2610 | 5 | 25 | 2610 | N/A | N/A |
| | n78 | 3350 | 10 | 50 | 3350 | 14.8 | IMD3 |
| DC_2A-14A_n66A | 2 | 1874 | 5 | 25 | 1954 | 7.2 | IMD4 |
| | 14 | 793 | 5 | 25 | 763 | N/A | N/A |
| | 66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| DC_2A-28A_n66A | 2 | 1900 | 5 | 25 | 1980 | 11 | IMD4 |
| | 28 | 730 | 5 | 25 | 785 | N/A | N/A |
| | n66 | 1720 | 5 | 25 | 2120 | N/A | N/A |
| DC_2A_n41A-n71A | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| | n41 | 2530 | 10 | 50 | 2530 | N/A | N/A |
| | n71 | 676 | 5 | 50 | 630 | 28.7 | IMD2 |
| | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| | n41 | 2586 | 10 | 50 | 2586 | 29.2 | IMD2 |
| | n71 | 686 | 5 | 50 | 640 | N/A | N/A |
| DC_2A-46A_n66A[5]<br>DC_2A-46C_n66A[5]<br>DC_2A-46D_n66A[5] | 2 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 46 | N/A | N/A | N/A | N/A | N/A | IMD3,<br>IMD5 |
| | n66 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_2A-48A_n5A | 2 | 1870 | 5 | 25 | 1950 | 18.1 | IMD3 |
| | 48 | 3610 | 10 | 50 | 3610 | N/A | N/A |
| | n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| | 2 | 1890 | 5 | 25 | 1970 | N/A | N/A |
| | 48 | 3570 | 5 | 25 | 3570 | 15.7 | IMD3 |
| | n5 | 840 | 5 | 25 | 885 | N/A | N/A |
| DC_2A-48A_n66A<br>DC_2A-48C_n66A<br>DC_2A-48D_n66A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | 48 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2 |
| | n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | 2 | 1880 | 5 | 25 | 1960 | 28.3 | IMD2 |
| | 48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| | n66 | 1735 | 5 | 25 | 2135 | N/A | N/A |
| DC_2A_n48A-n66A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n48 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2 |
| | n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| DC_2A-66A_n5A | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| | 66 | 1740 | 5 | 25 | 2140 | 7.2 | IMD4 |
| | n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| DC_2A-66A_n25A | 2 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| | n25 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| | 2 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| | 66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| | n25 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| | 2 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| | 66 | 1712.5 | 5 | 25 | 2112.5 | 23 | IMD3 |
| | n25 | 1912.5 | 5 | 25 | 1992.5 | N/A | N/A |
| DC_2A-66A_n28A | 2 | 1880 | 5 | 25 | 1960 | 11.0 | IMD4 |
| | 66 | 1720 | 5 | 25 | 2120 | N/A | N/A |
| | n28 | 740 | 5 | 25 | 795 | N/A | N/A |
| DC_2A-66A_n41A<br>DC_2A-66A_n41C<br>DC_2A-66A_n41(2A) | 2 | 1860 | 5 | 25 | 1940 | 11.0 | IMD4 |
| | 66 | 1715 | 5 | 25 | 2115 | N/A | N/A |
| | n41 | 2685 | 5 | 25 | 2685 | N/A | N/A |
| DC_2A-66A_n48A<br>DC_2A-66A_n48B<br>DC_2A-66A-66A_n48A<br>DC_2A-66A-66A_n48B | 2 | 1905 | 5 | 25 | 1985 | N/A | N/A |
| | 66 | 1755 | 5 | 25 | 2155 | 12.1 | IMD4 |
| | n48 | 3560 | 5 | 25 | 3560 | N/A | N/A |
| DC_2A-66A_n48A<br>DC_2A-66A_n48B<br>DC_2A-66A-66A_n48A<br>DC_2A-66A-66A_n48B | 2 | 1880 | 5 | 25 | 1960 | 28.3 | IMD5 |
| | 66 | 1735 | 5 | 25 | 2135 | N/A | N/A |
| | n48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| DC_2A-66A_n77A | 2 | 1855 | 5 | 25 | 1935 | N/A | N/A |
| | 66 | 1765 | 5 | 25 | 2185 | 29.2 | IMD2 |
| | n77 | 4040 | 5 | 25 | 4040 | N/A | N/A |
| | 2 | 1905 | 5 | 25 | 1985 | M/A | N/A |
| | 66 | 1720 | 5 | 25 | 2120 | 10.4 | IMD4 |
| | n77 | 3595 | 5 | 25 | 3595 | N/A | N/A |
| | 2 | 1885 | 5 | 25 | 1965 | M/A | N/A |
| | 66 | 1775 | 5 | 25 | 2195 | 4.0 | IMD5 |
| | n77 | 3925 | 5 | 25 | 3925 | N/A | N/A |
| | 2 | 1880 | 5 | 25 | 1960 | 32.1 | IMD2 |
| | 66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n77 | 3700 | 5 | 25 | 3700 | N/A | N/A |
| | 2 | 1860 | 5 | 25 | 1940 | 9.1 | IMD4 |
| | 66 | 1775 | 5 | 25 | 2195 | N/A | N/A |
| | n77 | 3385 | 5 | 25 | 3385 | N/A | N/A |
| | 2 | 1900 | 5 | 25 | 1980 | 4.2 | IMD5 |
| | 66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| | n77 | 3645 | 5 | 25 | 3645 | N/A | N/A |
| DC_2A_n66A-n77A<br>DC_2A-2A_n66A-n77A | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| | n66 | 1760 | 5 | 25 | 2160 | 29.2 | IMD2 |
| | n78 | 4060 | 10 | 50 | 4060 | N/A | N/A |
| DC_2A-66A_n78A<br>DC_2A-66A_n78(2A)<br>DC_2A-66A-66A_n78A<br>DC_2A-66A-66A_n78(2A)<br>DC_2A_n66A-n78A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | 66/n66 | 1760 | 5 | 25 | 2160 | 10.3 | IMD4 |
| | n78 | 3480 | 10 | 50 | 3480 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_2A-66A_n78A<br>DC_2A-66A_n78(2A)<br>DC_2A-66A-66A_n78A<br>DC_2A-66A-66A_n78(2A)<br>DC_2A_n66A-n78(2A)<br>DC_2A_n66(2A)-n78A<br>DC_2A_n66(2A)-n78(2A | 2 | 1880 | 5 | 25 | 1960 | 32.1 | IMD2 |
| | 66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n78 | 3700 | 10 | 50 | 3700 | N/A | N/A |
| DC_2A-66A_n78A<br>DC_2A-66A_n78(2A)<br>DC_2A-66A-66A_n78A<br>DC_2A-66A-66A_n78(2A) | 2 | 1880 | 5 | 25 | 1960 | 9.1 | IMD4 |
| | 66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| | n78 | 3350 | 10 | 50 | 3350 | N/A | N/A |
| DC_2A-66A_n78A<br>DC_2A-66A_n78(2A)<br>DC_2A-66A-66A_n78A<br>DC_2A-66A-66A_n78(2A) | 2 | 1880 | 5 | 25 | 1960 | 2.1 | IMD5 |
| | 66 | 1760 | 5 | 25 | 2160 | N/A | N/A |
| | n78 | 3620 | 10 | 50 | 3620 | N/A | N/A |
| DC_2A_n66A-n78A<br>DC_2A_n66A-n78(2A)<br>DC_2A_n66(2A)-n78A<br>DC_2A_n66(2A)-n78(2A) | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n78 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2 |
| | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n78 | 3340 | 10 | 50 | 3340 | 8.9 | IMD4 |
| DC_2A-71A_n38A<br>DC_2A-2A-71A_n38A | 2 | 1862 | 5 | 25 | 1942 | 26 | IMD2 |
| | 71 | 668 | 5 | 25 | 622 | N/A | N/A |
| | n38 | 2610 | 10 | 50 | 2610 | N/A | N/A |
| DC_2A-71A_n78A<br>DC_2A-2A-71A_n78A | 2 | 1874 | 5 | 25 | 1954 | 16.5 | IMD3 |
| | 71 | 693 | 5 | 25 | 647 | N/A | N/A |
| | n78 | 3340 | 10 | 50 | 3340 | N/A | N/A |
| DC_3A_n1A-n28A<br>DC_3C_n1A-n28A | 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| | n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | n1 | 1949 | 5 | 25 | 2139 | 11.0 | IMD4 |
| DC_3A_n1A-n40A | n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 3 | 1735 | 5 | 25 | 1830 | N/A | N/A |
| | 40 | 2380 | 5 | 25 | 2380 | 8.0 | IMD5 |
| DC_3A_n1A-n77A | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n77 | 3700 | 10 | 50 | 3700 | 28.4 | IMD2 |
| | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| | n1 | 1950 | 5 | 25 | 2140 | 31.0 | IMD2 |
| | n77 | 3915 | 10 | 50 | 3915 | N/A | N/A |
| DC_3A_n1A-n78A<br>DC_3C_n1A-n78A | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n78 | 3700 | 10 | 50 | 3700 | 28.4 | IMD2 |
| | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| | n1 | 1940 | 5 | 25 | 2130 | 3.5 | IMD5 |
| | n78 | 3720 | 10 | 50 | 3720 | N/A | N/A |
| DC_3A_n3A-n41A | 3 | 1725 | 5 | 25 | 1820 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n3 | 1770 | 5 | 25 | 1865 | 8.2 | IMD4 |
| | n41 | 2657.5 | 5 | 25 | 2657.5 | N/A | N/A |
| DC_3A-5A_n78A | 3 | N/A | N/A | N/A | N/A | N/A | IMD3 |
| | 5 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_3A-5A_n79A | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| | 5 | 840 | 5 | 25 | 885 | 18.5 | IMD3 |
| | n79 | 4435 | 40 | 216 | 4435 | N/A | N/A |
| | 3 | 1782.5 | 5 | 25 | 1877.5 | 0.2 | IMD4 |
| | 5 | 842.5 | 5 | 25 | 887.5 | N/A | N/A |
| | n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| DC_3A-7A_n5A | 3 | 1780 | 10 | 50 | 1875 | N/A | N/A |
| | 7 | 2505 | 10 | 50 | 2625 | 30.0 | IMD2[1] |
| | n5 | 845 | 5 | 25 | 890 | N/A | N/A |
| DC_3A-7A_n8A | 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| | n8 | 890 | 5 | 25 | 935 | N/A | N/A |
| | 7 | 2550 | 10 | 50 | 2670 | 29.0 | IMD2<br>IMD3[3] |
| DC_3A-7A_n28A<br>DC_3A-7C_n28A<br>DC_3C-7A_n28A<br>DC_3C-7C_n28A | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | 7 | 2562 | 10 | 50 | 2682 | 16.9 | IMD3 |
| | 7 | 2543 | 10 | 50 | 2663 | N/A | N/A |
| | n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | 3 | 1737.5 | 5 | 25 | 1832.5 | 26.0 | IMD2 |
| DC_3A-18A_n3A | 3 | 1719 | 5 | 25 | 1814 | 4 | IMD4<br>$\lvert 2*f_{n3}-2*f_{B18}\rvert$ |
| | 18 | 823 | 5 | 25 | 868 | N/A | N/A |
| | n3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| DC_3A-18A_n77A<br>DC_3A-18A_n77(2A)DC_3A-18A_n78A<br>DC_3A-18A_n78(2A) | 3 | N/A | N/A | N/A | N/A | N/A | IMD3 |
| | 18 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n77, n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_3A-19A_n78A | 3 | N/A | N/A | N/A | N/A | N/A | IMD3 |
| | 19 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_3A_n7A-n28A | 3 | 1747 | 5 | 25 | 1842 | N/A | N/A |
| | n7 | 2543 | 5 | 25 | 2663 | N/A | N/A |
| | n28 | 741 | 5 | 25 | 796.0 | 20.0 | IMD2 |
| | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| | n7 | 2562 | 5 | 25 | 2682 | 17.0 | IMD3 |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| DC_3A-7A_n40A | 3 | 1771.6 | 5 | 25 | 1866.6 | 3.4 | IMD5 |
| | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| | n40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| DC_3A-7A_n77A | 3 | 1725 | 5 | 25 | 1820 | 17.6 | IMD3 |
| | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n77 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC_3A-7A_n77A | 3 | 1725 | 5 | 25 | 1820 | 8.6 | IMD4 |
| | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n77 | 3475 | 10 | 50 | 3475 | N/A | N/A |
| DC_3A-7A_n77A | 3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| | 7 | 2550 | 5 | 25 | 2670 | 5.2 | IMD5 |
| | n77 | 4190 | 10 | 50 | 4190 | N/A | N/A |
| DC_3A-7A_n77A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | 7 | 2520 | 5 | 25 | 2640 | 3.4 | IMD5 |
| | n77 | 3900 | 10 | 50 | 3900 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_3A-7A_n78A<br>DC_3C-7A_n78A<br>DC_3C-7C_n78A<br>DC_3A-3A-7A_n78A<br>DC_3A-3A-7A-7A_n78A<br>DC_3A-7A_SUL_n78A-n80A<br>DC_3C-7A_SUL_n78A-n80A<br>DC_3A-7A_n78(2A)<br>DC_3C-7A_n78(2A)<br>DC_3A-7C_n78(2A)<br>DC_3C-7C_n78(2A)<br>DC_3A-7A_n78C<br>DC_3A-7A-7A_n78C | 3 | 1725 | 5 | 25 | 1820 | 17.6 | IMD3 |
| | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| | 3 | 1725 | 5 | 25 | 1820 | 8.6 | IMD4 |
| | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n78 | 3475 | 10 | 50 | 3475 | N/A | N/A |
| DC_3A-8A_n40A | 3 | 1779 | 5 | 25 | 1874 | 4 | IMD5 |
| | 8 | 912 | 5 | 25 | 957 | N/A | N/A |
| | n40 | 2305 | 5 | 25 | 2305 | N/A | N/A |
| DC_3A-8A_n77A<br>DC_3C-8A_n77A<br>DC_3C-8A_n77(2A) | 3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| | n77 | 4190 | 10 | 50 | 4190 | N/A | N/A |
| | 8 | 910 | 5 | 25 | 955 | 9.7 | IMD4 |
| DC_3A-8A_n77A<br>DC_3C-8A_n77A<br>DC_3C-8A_n77(2A) | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n77 | 3640 | 10 | 50 | 3640 | N/A | N/A |
| | 3 | 1725 | 5 | 25 | 1820 | 16.5 | IMD3 |
| DC_3A-8A_n78A<br>DC_3A-3A-8A_n78A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n78 | 3640 | 10 | 50 | 3640 | N/A | N/A |
| | 3 | 1725 | 5 | 25 | 1820 | 16.5 | IMD3 |
| DC_3A_n8A-n78A | 3 | 1740 | 5 | 25 | 1835 | N/A | N/A |
| | n8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n78 | 3540 | 10 | 50 | 3540 | 16.3 | IMD3 |
| DC_3A-8A_n79A | 3 | 1755 | 5 | 25 | 1850 | N/A | N/A |
| | n79 | 4465 | 40 | 216 | 4465 | N/A | N/A |
| | 8 | 910 | 5 | 25 | 955 | 15.3 | IMD3 |
| DC_3A-8A_n79A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n79 | 4580 | 40 | 216 | 4580 | N/A | N/A |
| | 3 | 1755 | 5 | 25 | 1850 | 8.8 | IMD4 |
| DC_3A_n7A-n78A<br>DC_3A_n7B-n78A<br>DC_3C_n7A-n78A<br>DC_3C_n7B-n78A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 16.1 | IMD3 |
| DC_3A-11A_n77A<br>DC_3A-11A_n77(2A) | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n77 | 3675 | 10 | 50 | 3675 | N/A | N/A |
| | 11 | 1443 | 5 | 25 | 1491 | 8.8 | IMD4 |
| | 11 | 1435.4 | 5 | 25 | 1483.4 | N/A | N/A |
| | n77 | 3905 | 10 | 50 | 3905 | N/A | N/A |
| | 3 | 1753 | 5 | 25 | 1848 | 3.4 | IMD5[7] |
| DC_3A-19A_n79A | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| | 19 | 840 | 5 | 25 | 885 | 18.5 | IMD3 |
| | n79 | 4435 | 40 | 216 | 4435 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 3 | 1782.5 | 5 | 25 | 1877.5 | 0.2 | IMD4 |
| | 19 | 842.5 | 5 | 25 | 887.5 | N/A | N/A |
| | n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| DC_3A-20A_n7A<br>DC_3C-20A_n7A | 3 | 1737 | 5 | 25 | 1832 | N/A | N/A |
| | 20 | 847 | 10 | 20 | 806 | 10.5 | IMD2 |
| | n7 | 2543 | 10 | 50 | 2663 | N/A | N/A |
| DC_3A-20A_n8A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | 20 | 851 | 5 | 25 | 810 | 27 | IMD2 |
| DC_3A-20A_n8A | 3 | 1765 | 5 | 25 | 1860 | 14.5 | IMD4 |
| | n8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | 20 | 840 | 5 | 25 | 799 | N/A | N/A |
| DC_3A-20A_n28A<br>DC_3C-20A_n28A | 20 | 852 | 5 | 25 | 811 | N/A | N/A |
| | n28 | 738 | 5 | 25 | 793 | N/A | N/A |
| | 3 | 1723 | 5 | 25 | 1818 | 9.4 | IMD4 |
| DC_3A-20A_n38A | 3 | 1779 | 5 | 25 | 1874 | N/A | N/A |
| | 20 | 852 | 10 | 20 | 811 | 26.0 | IMD2[1] |
| | n38 | 2590 | 10 | 50 | 2590 | N/A | N/A |
| DC_3A-20A_n41A<br>DC_3C-20A_n41A | 3 | 1744 | 5 | 25 | 1839 | 26.0 | IMD2 |
| | n41 | 2680 | 10 | 52 | 2680 | N/A | N/A |
| | 20 | 841 | 10 | 50 | 800 | N/A | N/A |
| DC_3A-20A_n41A<br>DC_3C-20A_n41A | 3 | 1779 | 5 | 25 | 1874 | N/A | N/A |
| | n41 | 2590 | 10 | 52 | 2590 | N/A | N/A |
| | 20 | 852 | 10 | 50 | 811 | 26.0 | IMD2 |
| DC_3A-20A_n41A<br>DC_3C-20A_n41A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n41 | 2660 | 10 | 52 | 2660 | N/A | N/A |
| | 20 | 841 | 5 | 25 | 800 | 12.5 | IMD3 |
| DC_3A_20A_SUL_n78A-n80A<br>DC_3C_20A_SUL_n78A-n80A | 3 | 1725 | 5 | 25 | 1820 | 17.3 | IMD3 |
| | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | n78 | 3510 | 10 | 50 | 3510 | N/A | N/A |
| DC_3A_n20A-n78A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | n78 | 3420 | 10 | 50 | 3420 | 16.1 | IMD3 |
| DC_3A-20A_n78A<br>DC_3C-20A_n78A | 3 | 1725 | 5 | 25 | 1820 | 17.3 | IMD3 |
| | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | n78 | 3510 | 10 | 50 | 3510 | N/A | N/A |
| DC_3A-21A_n77A<br>DC_3A-21A_n78A | 3 | 1767.5 | 5 | 25 | 1862.5 | N/A | N/A |
| | 21 | 1459.5 | 5 | 25 | 1507.5 | 8.8 | IMD4 |
| | n77, n78 | 3795 | 10 | 50 | 3795 | N/A | N/A |
| | 3 | N/A | N/A | N/A | N/A | N/A | IMD2 |
| | 21 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_3A-21A_n77A | 3 | 1771.6 | 5 | 25 | 1866.6 | 3.4 | IMD5 |
| | 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| | n77 | 3935 | 10 | 50 | 3935 | N/A | N/A |
| DC_3A-21A_n79A | 3 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 21 | N/A | N/A | N/A | N/A | N/A | IMD3 |
| | n79 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 3 | 1774.2 | 5 | 25 | 1869.2 | 17.8 | IMD3 |
| | 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| | n79 | 4770 | 40 | 216 | 4770 | N/A | N/A |
| DC_3A-28A_n1A | 3 | 1725 | 5 | 25 | 1820 | 4 | IMD5 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 28 | 710 | 5 | 25 | 765 | N/A | N/A |
| | n1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| DC_3A-28A_n5A<br>DC_3C-28A_n5A | 3 | 1735 | 5 | 25 | 1830 | 8.7 | IMD4 |
| | 28 | 705 | 5 | 25 | 798 | N/A | N/A |
| | n5 | 845 | 5 | 25 | 874 | N/A | N/A |
| | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | 28 | 730 | 5 | 25 | 785 | 9.4 | IMD4 |
| | n5 | 845 | 5 | 25 | 874 | N/A | N/A |
| DC_3A-28A_n7A<br>DC_3C-28A_n7A<br>DC_3A-3A-28A_n7A<br>DC_3A-28A_n7B<br>DC_3C-28A_n7B<br>DC_3A-3A-28A_n7B | 3 | 1737.5 | 5 | 25 | 1832.5 | 26.0 | IMD2 |
| | 28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | n7 | 2543 | 10 | 50 | 2663 | N/A | N/A |
| | 3 | 1747 | 5 | 25 | 1842 | N/A | N/A |
| | 28 | 741 | 5 | 25 | 796.0 | 20.0 | IMD2 |
| | n7 | 2543 | 5 | 25 | 2663 | N/A | N/A |
| DC_3A-28A_n77A | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| | 28 | 715 | 5 | 25 | 770 | 15.3 | IMD3 |
| | n77 | 4195 | 10 | 50 | 4195 | N/A | N/A |
| | 3 | 1755 | 5 | 25 | 1850 | 17.0 | IMD3 |
| | 28 | 735 | 5 | 25 | 790 | N/A | N/A |
| | n77 | 3320 | 10 | 50 | 3320 | N/A | N/A |
| DC_3A_n28A-n77A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | 28 | 733 | 5 | 25 | 788 | N/A | N/A |
| | n77 | 4173 | 10 | 50 | 4173 | 15.9 | IMD3 |
| | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| | 28 | 715 | 5 | 25 | 770 | 15.3 | IMD3 |
| | n77 | 4195 | 10 | 50 | 4195 | N/A | N/A |
| DC_3A-28A_n41A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n41 | 2510 | 5 | 25 | 2510 | N/A | N/A |
| | 28 | 735 | 5 | 25 | 790 | 26.0 | IMD2[1] |
| | 3 | 1737.5 | 5 | 25 | 1832.5 | 26.0 | IMD2 |
| | n41 | 2543 | 10 | 50 | 2543 | N/A | N/A |
| | 28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| DC_3A_n28A-n41A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n28 | 735 | 5 | 25 | 790 | 26[1] | IMD2<br>\|fn41-fB3\| |
| | n41 | 2510 | 5 | 25 | 2510 | N/A | N/A |
| | 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| | n28 | 738 | 5 | 25 | 793 | N/A | N/A |
| | n41 | 2518 | 5 | 25 | 2518 | 27.4 | IMD2<br>\|fB3+fn28\| |
| | 3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n41 | 2687 | 5 | 25 | 2687 | 15.9 | IMD3<br>\|2*fB3-fn28\| |
| DC_3A-28A_n78A<br>DC_3C-28A_n78A<br>DC_3A-3A-28A_n78A | 3 | 1775 | 5 | 25 | 1870 | 17.3 | IMD3 |
| | 28 | 740 | 5 | 25 | 760 | N/A | N/A |
| | n78 | 3350 | 10 | 25 | 3350 | N/A | N/A |
| DC_3A-28A_n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| | 28 | 725 | 5 | 25 | 780 | 10.3 | IMD4 |
| | n79 | 4530 | 40 | 216 | 4530 | N/A | N/A |
| | 3 | 1775 | 5 | 25 | 1870 | 5.7 | IMD5 |
| | 28 | 725 | 5 | 25 | 780 | N/A | N/A |
| | n79 | 4770 | 40 | 216 | 4770 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_3A_n28A-n78A<br>DC_3C_n28A-n78A | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n78 | 3764 | 10 | 50 | 3764 | 4.5 | IMD5 |
| DC_3A_SUL_n77A-n84A | 3 | 1782.5 | 5 | 25 | 1877.5 | N/A | N/A |
| | n84 | 1922.5 | 5 | 25 | | N/A | N/A |
| | n77 | 3425 | 10 | 50 | 3425 | 13.0 | IMD4 |
| DC_3A_n40A-n78A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n40 | 2360 | 5 | 25 | 2360 | N/A | N/A |
| | n78 | 3620 | 10 | 50 | 3620 | 4.8 | IMD5 |
| | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n40 | 2360 | 5 | 25 | 2360 | 4.4 | IMD5 |
| | n78 | 3760 | 10 | 50 | 3760 | N/A | N/A |
| DC_3A_n40A-n79A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n40 | 2330 | 5 | 25 | 2330 | N/A | N/A |
| | n79 | 4550 | 40 | 216 | 4550 | 4.7 | IMD5 |
| | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n40 | 2330 | 5 | 25 | 2330 | 3.2 | IMD5 |
| | n79 | 4550 | 40 | 216 | 4550 | N/A | N/A |
| DC_3A_n41A-n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| | n41 | 2670 | 10 | 50 | 2670 | N/A | N/A |
| | n79 | 4440 | 40 | 216 | 4440 | 30.8 | IMD2[4] |
| DC_3A-42A_n1A<br>DC_3A-42C_n1A | 3 | 1782.5 | 5 | 25 | 1877.5 | N/A | N/A |
| | 42 | 3425 | 5 | 25 | 3425 | 13.0 | IMD4 |
| | n1 | 1922.5 | 5 | 25 | 2112.5 | N/A | N/A |
| DC_3A_n75A-n78A<br>DC_3A_n75A-n78(2A) | 3 | 1782.5 | 5 | 25 | 1877.5 | N/A | N/A |
| | n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
| | n75 | - | - | - | 1514.5 | 10.0 | IMD2 |
| DC_3A_n78A-n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| | n78 | 3340 | 10 | 50 | 3340 | N/A | N/A |
| | n79 | 4910 | 40 | 216 | 4910 | 16.3 | IMD3 |
| | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| | n79 | 4510 | 40 | 216 | 4510 | N/A | N/A |
| | n78 | 3710 | 10 | 50 | 3710 | 4.2 | IMD5 |
| DC_3A_SUL_n78A-n82A | 3 | 1775 | 5 | 25 | 1870 | 4 | IMD4 |
| | n82 | 840 | 5 | 25 | | N/A | N/A |
| DC_3A_SUL_n78A-n84A | 3 | 1782.5 | 5 | 25 | 1877.5 | N/A | N/A |
| | n84 | 1922.5 | 5 | 25 | | N/A | N/A |
| | n78 | 3425 | 10 | 50 | 3425 | 13.0 | IMD4 |
| DC_3A-21A_n79A | 3 | 1774.2 | 5 | 25 | 1869.2 | 17.8 | IMD3 |
| | 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| | n79 | 4770 | 40 | 216 | 4770 | N/A | N/A |
| DC_3A-32A_n1A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | 32 | N/A | 5 | 25 | 1480 | 15.2 | IMD3[4] |
| | n1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
| DC_3A-32A_n78A<br>DC_3A-32A_n78(2A) | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | 32 | N/A | 5 | 25 | 1470 | 4.9 | IMD4 |
| | n78 | 3720 | 10 | 50 | 3720 | N/A | N/A |
| | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| | 32 | N/A | 5 | 25 | 1475 | 0 | IMD5 |
| | n78 | 3400 | 10 | 50 | 3400 | N/A | N/A |
| DC_3A-40A_n1A<br>DC_3A-40C_n1A | n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | 3 | 1735 | 5 | 25 | 1830 | N/A | N/A |
| | 40 | 2380 | 5 | 25 | 2380 | 8.0 | IMD5 |
| DC_3A-40A_n78A<br>DC_3A-40C_n78A | 3 | 1775 | 5 | 25 | 1870 | 9.1 | IMD4 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 40 | 2390 | 5 | 25 | 2390 | N/A | N/A |
| | n78 | 3325 | 10 | 50 | 3325 | N/A | N/A |
| | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | 40 | 2360 | 5 | 25 | 2360 | 4.4 | IMD5 |
| | n78 | 3760 | 10 | 50 | 3760 | N/A | N/A |
| DC_3A-41A_n3A<br>DC_3A-41C_n3A | 3 | 1770 | 5 | 25 | 1865 | 8.2 | IMD4<br>$\|2*f_{B41}-2*f_{n3}\|$ |
| | 41 | 2657.5 | 5 | 25 | 2657.5 | N/A | N/A |
| | n3 | 1725 | 5 | 25 | 1820 | N/A | N/A |
| DC_3A-41A_n28A<br>DC_3A-41C_n28A | 41 | 2543 | 10 | 50 | 2543 | N/A | N/A |
| | n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | 3 | 1737.5 | 5 | 25 | 1832.5 | 26 | IMD2 |
| | 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| | n28 | 738 | 5 | 25 | 793 | N/A | N/A |
| | 41 | 2518 | 5 | 25 | 2518 | 27.4 | IMD2 |
| | 3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | 41 | 2687 | 5 | 25 | 2687 | 15.9 | IMD3 |
| DC_3A-41A_n77A<br>DC_3A-41C_n77A<br>DC_3A-41A_n77(2A)<br>DC_3A-41C_n77(2A)<br>DC_3A_n41A-n77A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n77 | 3900 | 10 | 50 | 3900 | N/A | N/A |
| | 41/n41 | 2640 | 5 | 25 | 2640 | 5.3 | IMD5 |
| | 41/n41 | 2620 | 5 | 25 | 2620 | N/A | N/A |
| | n77 | 3400 | 10 | 50 | 3400 | N/A | N/A |
| | 3 | 1745 | 5 | 25 | 1840 | 16.4 | IMD3 |
| DC_3A-41A_n78A<br>DC_3A-41C_n78A<br>DC_3A-41A_n78(2A)<br>DC_3A-41C_n78(2A) | 41 | 2620 | 5 | 25 | 2620 | N/A | N/A |
| | n78 | 3400 | 10 | 52 | 3400 | N/A | N/A |
| | 3 | 1745 | 5 | 25 | 1840 | 16.4 | IMD3 |
| DC_3A_n41A-n78A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n41 | 2560 | 10 | 50 | 2560 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 16.4 | IMD3 |
| DC_3A-41A_n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| | n79 | 4440 | 40 | 216 | 4440 | N/A | N/A |
| | 41 | 2670 | 5 | 25 | 2670 | 30.2 | IMD2 |
| | 41 | 2570 | 5 | 25 | 2570 | N/A | N/A |
| | n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| | 3 | 1755 | 5 | 25 | 1850 | 29.4 | IMD2 |
| DC_4A-7A_n28A | 4 | 1715 | 5 | 25 | 2115 | N/A | N/A |
| | 7 | 2565 | 5 | 25 | 2685 | 18.0 | IMD3 |
| | n28 | 745 | 5 | 25 | 800 | N/A | N/A |
| DC_5A-7A_n7A | 5 | 834 | 5 | 25 | 879 | 12 | IMD3[4] |
| | 7 | 2527 | 10 | 50 | 2647 | N/A | N/A |
| | n7 | 2547 | 10 | 50 | 2667 | N/A | N/A |
| DC_5A-7A_n66A<br>DC_5A-7C_n66A | 5 | 835 | 5 | 25 | 880 | 18.0 | IMD3 |
| | 7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| | 66 | 1720 | 5 | 25 | 2120 | N/A | N/A |
| | 5 | 846.5 | 5 | 25 | 891.5 | N/A | N/A |
| | 7 | 2504 | 5 | 25 | 2624 | 29.0 | IMD2[1] |
| | 66 | 1777.5 | 5 | 25 | 2177.5 | N/A | N/A |
| DC_5A-7A_n71A | 5 | 835 | 5 | 25 | 880 | N/A | N/A |
| | 7 | 2540 | 5 | 25 | 2660 | 6.5 | IMD5 |
| | n71 | 680 | 5 | 25 | 634 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_5A-7A_n78A<br>DC_5A-7A_n78C<br>DC_5A-7A-7A_n78C | 5 | 844 | 5 | 25 | 889 | N/A | N/A |
| | 7 | 2525 | 5 | 25 | 2645 | 30.1 | IMD2 |
| | n78 | 3489 | 10 | 50 | 3489 | N/A | N/A |
| | 5 | 834 | 5 | 25 | 879 | 30.2 | IMD2 |
| | 7 | 2550 | 5 | 25 | 2670 | N/A | N/A |
| | n78 | 3429 | 10 | 50 | 3429 | N/A | N/A |
| | 5 | 830 | 5 | 25 | 875 | 3.3 | IMD5 |
| | 7 | 2525 | 5 | 25 | 2645 | N/A | N/A |
| | n78 | 3350 | 10 | 50 | 3350 | N/A | N/A |
| DC_5A_n7A-n78A,<br>DC_5A_n7(2A)-n78A<br>DC_5A_n7A-n78(2A)<br>DC_5A_n7(2A)-n78(2A) | 5 | 844 | 5 | 25 | 889 | N/A | N/A |
| | n7 | 2525 | 5 | 25 | 2645 | 30.1 | IMD2 |
| | n78 | 3489 | 10 | 50 | 3489 | N/A | N/A |
| | 5 | 835 | 5 | 25 | 880 | N/A | N/A |
| | n7 | 2540 | 5 | 25 | 2660 | N/A | N/A |
| | n78 | 3375 | 10 | 50 | 3375 | 29.7 | IMD2 |
| DC_5A-13A_n66A | 5 | 840 | 5 | 25 | 885 | N/A | N/A |
| | 13 | 781 | 5 | 25 | 750 | 9.4 | IMD4 |
| | n66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| DC_5A_41A_n78A | 5 | 860 | 5 | 25 | 885 | 30.2 | IMD2 |
| | 41 | 2615 | 5 | 25 | 2615 | N/A | N/A |
| | n78 | 3500 | 10 | 50 | 3500 | N/A | N/A |
| | 5 | 856.5 | 5 | 25 | 881.5 | 3.1 | IMD5 |
| | 41 | 2620.5 | 5 | 25 | 2620.5 | N/A | N/A |
| | n78 | 3490 | 10 | 50 | 3490 | N/A | N/A |
| DC_5A-41A_n79A | 5 | 835 | 5 | 25 | 880 | 23.9 | IMD3 |
| | 41 | 2665 | 5 | 25 | 2665 | N/A | N/A |
| | n79 | 4450 | 40 | 216 | 4450 | N/A | N/A |
| | 5 | 826.5 | 5 | 25 | 871.5 | N/A | N/A |
| | 41 | 2517.5 | 5 | 25 | 2517.5 | 1.8 | IMD4 |
| | n79 | 4980 | 40 | 216 | 4980 | N/A | N/A |
| DC_5A-46A_n66A | 5 | 847 | 5 | 25 | 892 | N/A | N/A |
| | 46 | 5163 | 10 | 50 | 5163 | 9.0[4] | IMD4<br>$\lvert 2*f_{B5}+2*f_{n66}\rvert$ |
| | n66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| DC_5A-48A_n12A | 5 | 830 | 5 | 25 | 875 | N/A | N/A |
| | 48 | 3650 | 5 | 25 | 3650 | 4.4 | IMD5 |
| | n12 | 705 | 5 | 25 | 735 | N/A | N/A |
| | 5 | 830 | 5 | 25 | 875 | 5.9 | IMD5 |
| | 48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| | n12 | 705 | 5 | 25 | 735 | N/A | N/A |
| DC_5A-48A_n71A | 5 | 830 | 5 | 25 | 875 | N/A | N/A |
| | 48 | 3590 | 5 | 25 | 3590 | 4.4 | IMD5 |
| | n71 | 690 | 5 | 25 | 644 | N/A | N/A |
| | 5 | 835 | 5 | 25 | 880 | 5.9 | IMD5 |
| | 48 | 3600 | 5 | 25 | 3600 | N/A | N/A |
| | n71 | 680 | 5 | 25 | 634 | N/A | N/A |
| DC_5A-66A_n2A<br>DC_5BA-66A_n2A<br>DC_5A-5A-66A_n2A<br>DC_5A-66A-66A_n2A<br>DC_5B-66A-66A_n2A<br>DC_5A-5A-66A-66A_n2A | 5 | 834 | 5 | 25 | 879 | N/A | N/A |
| | 66 | 1712 | 5 | 25 | 2132 | 7.2 | IMD4 |
| | n2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| DC_5A-66A_n7A<br>DC_5A-66A-66A_n7A | 5 | 835 | 5 | 25 | 880 | 18.0 | IMD3 |
| | 66 | 1720 | 5 | 25 | 2120 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| DC_5A-66A_n71A | 5 | 830 | 5 | 25 | 875 | N/A | N/A |
| | 66 | 1761 | 5 | 25 | 2161 | 13 | IMD3 |
| | n71 | 665.5 | 5 | 25 | 619.5 | N/A | N/A |
| | 5 | 846.5 | 5 | 25 | 891.5 | 4.2 | IMD5 |
| | 66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| | n71 | 665.5 | 5 | 25 | 619.5 | N/A | N/A |
| DC_5A-66A_n77A | 5 | 826.5 | 5 | 25 | 871.5 | N/A | N/A |
| | 66 | 1742 | 5 | 25 | 2142 | 13.2 | IMD3 $\lvert f_{n77}-2*f_{B5}\rvert$ |
| | n77 | 3795 | 10 | 50 | 3795 | N/A | N/A |
| DC_5A-66A_n78A<br>DC_5A-66A_n78(2A) | 5 | 826.5 | 5 | 25 | 871.5 | N/A | N/A |
| | 66 | 1742 | 5 | 25 | 2142 | 13.2 | IMD3 |
| | n78 | 3795 | 10 | 50 | 3795 | N/A | N/A |
| DC_7A_n1A-n40A | 7 | 2540 | 5 | 25 | 2660 | N/A | N/A |
| | n40 | 2335 | 5 | 25 | 2335 | N/A | N/A |
| | n1 | 1940 | 5 | 25 | 2130 | 15.2 | IMD3 |
| DC_7A_n1A-n78A<br>DC_7C_n1A-n78A | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| | n1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 10.1 | IMD4 |
| | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| | n1 | 1970 | 5 | 25 | 2160 | 9.0 | IMD4 |
| | n78 | 3610 | 10 | 50 | 3610 | N/A | N/A |
| DC_7A_n3A-n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| | n3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 16.1 | IMD3 |
| | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n3 | 1725 | 5 | 25 | 1820 | 15.6 | IMD3 |
| | n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC_7A_n8A-n40A | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| | n8 | 905 | 5 | 25 | 950 | N/A | N/A |
| | n40 | 2345 | 5 | 25 | 2345 | 3.0 | IMD5 |
| DC_7A-8A_n3A | n3 | 1735 | 5 | 25 | 1830 | N/A | N/A |
| | 7 | 2530 | 10 | 50 | 2650 | N/A | N/A |
| | 8 | 895 | 5 | 25 | 940 | 18.0 | IMD3 |
| DC_7A-8A_n3A | n3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| | 8 | 890 | 5 | 25 | 935 | N/A | N/A |
| | 7 | 2550 | 10 | 50 | 2670 | 29.0 | IMD2+IMD3[3] |
| DC_7A-8A_n77A | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| | 8 | 895 | 5 | 25 | 940 | 30.5 | IMD2 |
| | n77 | 3470 | 10 | 50 | 3470 | N/A | N/A |
| DC_7A-8A_n77A | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| | 8 | 895 | 5 | 25 | 940 | 3.1 | IMD5 |
| | n77 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC_7A-8A_n77A | 7 | 2530 | 5 | 25 | 2650 | 28 | IMD2 |
| | 8 | 895 | 5 | 25 | 940 | N/A | N/A |
| | n77 | 3545 | 10 | 50 | 3545 | N/A | N/A |
| DC_7A-8A_n78A | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| | 8 | 895 | 5 | 25 | 940 | 30.5 | IMD2 |
| | n78 | 3470 | 10 | 50 | 3470 | N/A | N/A |
| DC_7A-8A_n78A | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| | 8 | 895 | 5 | 25 | 940 | 3.1 | IMD5 |
| | n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC_7A-8A_n78A | 7 | 2530 | 5 | 25 | 2650 | 28 | IMD2 |
| | 8 | 895 | 5 | 25 | 940 | N/A | N/A |
| | n78 | 3545 | 10 | 50 | 3545 | N/A | N/A |
| DC_7A_n8A-n78A | 7 | 2555 | 5 | 25 | 2675 | N/A | N/A |
| | n8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n78 | 3455 | 10 | 50 | 3455 | 28.5 | IMD2 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 7 | 2555 | 5 | 25 | 2675 | N/A | N/A |
| | n8 | 900 | 5 | 25 | 945 | 29.7 | IMD2 |
| | n78 | 3500 | 10 | 50 | 3500 | N/A | N/A |
| DC_7A-13A_n66A | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| | 13 | 781 | 5 | 25 | 750 | 31 | IMD2 |
| | n66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| DC_7A-13A_n66A | 7 | 2540 | 5 | 25 | 2660 | 18 | IMD3 |
| | 13 | 780 | 5 | 25 | 749 | N/A | N/A |
| | n66 | 1720 | 5 | 25 | 2120 | N/A | N/A |
| DC_7A-20A_n1A<br>DC_7C-20A_n1A | 7 | 2510 | 10 | 50 | 2630 | N/A | N/A |
| | 20 | 841 | 10 | 50 | 800 | 4.5 | IMD5 |
| | n1 | 1940 | 5 | 25 | 2130 | N/A | N/A |
| DC_7A-20A_n3A | 7 | 2543 | 10 | 50 | 2663 | N/A | N/A |
| | 20 | 847 | 10 | 20 | 806 | 10.5 | IMD2 |
| | n3 | 1737 | 5 | 25 | 1832 | N/A | N/A |
| | 7 | 2510 | 10 | 50 | 2630 | 26.0 | IMD2[1] |
| | 20 | 855 | 5 | 25 | 896 | N/A | N/A |
| | n3 | 1775 | 10 | 50 | 1870 | N/A | N/A |
| DC_7A-20A_n8A | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n8 | 885 | 5 | 25 | 930 | N/A | N/A |
| | 20 | 836 | 5 | 25 | 795 | 17.4 | IMD3 |
| DC_7A-20A_n8A | 7 | 2520 | 5 | 25 | 2640 | 21.1 | IMD3 |
| | n8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | 20 | 840 | 5 | 25 | 799 | N/A | N/A |
| DC_7A-20A_n8A | 7 | 2504 | 5 | 25 | 2624 | 18.8 | IMD3 |
| | n8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | 20 | 857 | 5 | 25 | 816 | N/A | N/A |
| DC_7A-20A_n28A | 20 | 852 | 5 | 25 | 811 | N/A | N/A |
| | n28 | 738 | 5 | 25 | 793 | N/A | N/A |
| | 7 | 2550 | 10 | 50 | 2670 | 5.9 | IMD5 |
| DC_7A-20A_n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| | 20 | 851 | 5 | 25 | 810 | 30.5 | IMD2 |
| | n78 | 3370 | 10 | 50 | 3370 | N/A | N/A |
| DC_7A-20A_n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| | 20 | 851 | 5 | 25 | 810 | 3.0 | IMD5 |
| | n78 | 3435 | 10 | 50 | 3435 | N/A | N/A |
| DC_7A-20A_n78A | 7 | 2555 | 5 | 25 | 2675 | 30.8 | IMD2 |
| | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | n78 | 3520 | 10 | 50 | 3520 | N/A | N/A |
| DC_7A-28A_n1A | 7 | 2535 | 5 | 25 | 2655 | 4 | IMD5 |
| | 28 | 725 | 5 | 25 | 780 | N/A | N/A |
| | n1 | 1950 | 5 | 25 | 2165 | N/A | N/A |
| | 7 | 2545 | 5 | 25 | 2665 | 29.0 | IMD2 |
| | 28 | 730 | 5 | 25 | 785 | N/A | N/A |
| | n1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| DC_7A-28A_n2A | 7 | 2510 | 10 | 50 | 2630 | 27.6 | IMD2 |
| | 28 | 730 | 5 | 25 | 785 | N/A | N/A |
| | n2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| DC_7A-28A_n3A<br>DC_7C-28A_n3A | 7 | 2543 | 5 | 25 | 2663 | N/A | N/A |
| | 28 | 741 | 5 | 25 | 796.0 | 20.0 | IMD2 |
| | n3 | 1747 | 5 | 25 | 1842 | N/A | N/A |
| | 7 | 2540 | 5 | 25 | 2685 | 18 | IMD3 |
| | 28 | 745 | 5 | 25 | 800 | N/A | N/A |
| | n3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| DC_7A-28A_n5A<br>DC_7C-28A_n5A | 7 | 2540 | 5 | 25 | 2725 | N/A | N/A |
| | 28 | 721 | 5 | 25 | 776 | 4.4 | IMD5 |
| | n5 | 829 | 5 | 25 | 854 | N/A | N/A |
| | 7 | 2510 | 5 | 25 | 2630 | 5.9 | IMD5 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 28 | 730 | 5 | 25 | 785 | N/A | N/A |
| | n5 | 840 | 5 | 25 | 874 | N/A | N/A |
| DC_7A-28A_n40A | 7 | 2510 | 5 | 25 | 2630 | 5.9 | IMD5 |
| | 28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| DC_7A-28A_n66A<br>DC_7C-28A_n66A | 7 | 2562 | 10 | 50 | 2682 | 16.9 | IMD3 |
| | 28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n66 | 1712.5 | 5 | 25 | 2112.5 | N/A | N/A |
| | 7 | 2543 | 5 | 25 | 2663 | N/A | N/A |
| | 28 | 741 | 5 | 25 | 796 | 20.0 | IMD2 |
| | n66 | 1747 | 5 | 25 | 2147 | N/A | N/A |
| DC_7A-28A_n78A | 7 | 2567.5 | 5 | 25 | 2687.5 | N/A | N/A |
| | 28 | 727.5 | 5 | 25 | 782.5 | 28.8 | IMD2 |
| | n78 | 3350 | 10 | 50 | 3350 | N/A | N/A |
| | 7 | 2567.5 | 5 | 25 | 2687.5 | N/A | N/A |
| | 28 | 727.5 | 5 | 25 | 782.5 | 3.0 | IMD5 |
| | n78 | 3460 | 10 | 50 | 3460 | N/A | N/A |
| | 7 | 2530 | 5 | 25 | 2650 | 30.5 | IMD2 |
| | 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | N/A | N/A |
| DC_7A_n28A-n78A<br>DC_7C_n28A-n78A | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n28 | 745 | 5 | 25 | 800 | N/A | N/A |
| | n78 | 3310 | 10 | 50 | 3310 | 29.7 | IMD2 |
| | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n78 | 3365 | 10 | 50 | 3365 | N/A | N/A |
| | n28 | 745 | 5 | 25 | 800 | 28.8 | IMD2 |
| DC_7A-32A_n1A | n1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| | 7 | 2502.5 | 5 | 25 | 2622.5 | N/A | N/A |
| | 32 | N/A | 5 | N/A | 1454.5 | 15.2 | IMD3 |
| DC_7A-32A_n78A | n78 | 3560.5 | 10 | 50 | 3560.5 | N/A | N/A |
| | 7 | 2517.5 | 5 | 25 | 2637.5 | N/A | N/A |
| | 32 | N/A | 5 | N/A | 1474.5 | 17.6 | IMD3 |
| | n78 | 3311 | 10 | 50 | 3311 | N/A | N/A |
| | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | 32 | N/A | 5 | N/A | 1492 | 4.9 | IMD4 |
| DC_7A-40A_n1A<br>DC_7A-40C_n1A | n1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | 7 | 2530 | 5 | 25 | 2650 | 32.1 | IMD3 |
| | 40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| DC_7A-40A_n78A<br>DC_7A-40C_n78A | 7 | 2510 | 5 | 25 | 2630 | 10.1 | IMD4 |
| | 40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| | n78 | 3625 | 10 | 50 | 3625 | N/A | N/A |
| | 7 | 2510 | 5 | 25 | 2630 | N/A | N/A |
| | 40 | 2310 | 5 | 25 | 2310 | 8.7 | IMD4 |
| | n78 | 3785 | 10 | 50 | 3785 | N/A | N/A |
| DC_7A-46A_n78A[6] | 7 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 46 | N/A | N/A | N/A | N/A | N/A | IMD2, IMD5 |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_7A-66A_n5A<br>DC_7C-66A_n5A<br>DC_7A-66A-66A_n5A<br>DC_7C-66A-66A_n5A<br>DC_7A-7A-66A_n5A<br>DC_7A-7A-66A-66A_n5A | 7 | 2505 | 10 | 50 | 2625 | 30.0 | IMD2[6] |
| | 66 | 1775 | 10 | 50 | 2175 | N/A | N/A |
| | n5 | 846.5 | 5 | 25 | 891.5 | N/A | N/A |
| DC_7A-66A_n7A<br>DC_7A-66A-66A_n7A | 7 | 2555 | 10 | 50 | 2675 | 15 | IMD4 |
| | 66 | 1730 | 5 | 25 | 2130 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n7 | 2515 | 10 | 50 | 2635 | N/A | N/A |
| DC_7A-66A_n28A | 7 | 2565 | 5 | 25 | 2685 | 18.0 | IMD3 |
| | 66 | 1715 | 5 | 25 | 2115 | N/A | N/A |
| | n28 | 745 | 5 | 25 | 800 | N/A | N/A |
| DC_7A-66A_n77A<br>DC_7A-7A-66A_n77A<br>DC_7A-7A-66A_n77(2A)<br>DC_7A-66A_n77(2A)<br>DC_7C-66A_n77A<br>DC_7C-66A_n77(2A) | 7 | 2550 | 5 | 25 | 2685 | N/A | N/A |
| | 66 | 1750 | 5 | 25 | 2150 | 8.7 | IMD4<br>$\|2*f_{B7}-2*f_{n77}\|$ |
| | n77 | 3625 | 10 | 50 | 3475 | N/A | N/A |
| | 7 | N/A | N/A | N/A | N/A | N/A[1] | IMD5<br>$\|2*f_{n77}-3*f_{B66}\|$ |
| | 66 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n77 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_7A-66A_n78A<br>DC_7C-66A_n78A<br>DC_7A-7A-66A_n78A<br>DC_7A-66A-66A_n78A<br>DC_7A-7A-66A-66A_n78A<br>DC_7C-66A-66A_n78A<br>DC_7A_n66A-n78A<br>DC_7A-7A_n66A-n78A<br>DC_7C_n66A-n78A<br>DC_7A-66A_n78(2A)<br>DC_7C-66A_n78(2A)<br>DC_7A-7A-66A_n78(2A)<br>DC_7A-66A-66A_n78(2A)<br>DC_7A-7A-66A-66A_n78(2A)<br>DC_7C-66A-66A_n78(2A) | 7 | 2550 | 5 | 25 | 2685 | N/A | N/A |
| | 66/n66 | 1750 | 5 | 25 | 2150 | 8.7 | IMD4 |
| | n78 | 3625 | 10 | 50 | 3475 | N/A | N/A |
| DC_7A_n66A-n78A<br>DC_7A-7A_n66A-n78A<br>DC_7C_n66A-n78A | 7 | 2542 | 5 | 25 | 2662 | N/A | N/A |
| | n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n78 | 3344 | 10 | 50 | 3344 | 16.0 | IMD3 |
| DC_7A_SUL_n78A-n80A | n80 | 1730 | 5 | 25 | | N/A | N/A |
| | 7 | 2535 | 10 | 50 | 2655 | 13 | IMD4 |
| DC_8A_n1A-n78A | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n1 | 1945 | 5 | 25 | 2135 | N/A | N/A |
| | n78 | 3745 | 10 | 50 | 3745 | 14.9 | IMD3 |
| DC_8A_n3A-n28A | 8 | 912.5 | 5 | 25 | 957.5 | N/A | N/A |
| | n3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| | n28 | 745 | 5 | 25 | 800 | 30.4 | IMD2 |
| DC_8A-n3A_n77A<br>DC_8A-n3A_n77(2A) | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n3 | 1740 | 5 | 25 | 1835 | N/A | N/A |
| | n77 | 3540 | 10 | 50 | 3540 | 16.3 | IMD3 |
| | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n77 | 3640 | 10 | 50 | 3640 | N/A | N/A |
| | n3 | 1725 | 5 | 25 | 1820 | 16.5 | IMD3 |
| DC_8A-11A_n77A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n77 | 3311 | 10 | 50 | 3311 | N/A | N/A |
| | 11 | 1443 | 5 | 25 | 1491 | 18.8 | IMD3 |
| DC_8A-11A_n77A | 11 | 1430.5 | 5 | 25 | 1478.5 | N/A | N/A |
| | n77 | 3791 | 10 | 50 | 3791 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 8 | 885 | 5 | 25 | 930 | 18.2 | IMD3 |
| DC_8A-11A_n78A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n78 | 3311 | 10 | 50 | 3311 | N/A | N/A |
| | 11 | 1443 | 5 | 25 | 1491 | 18.8 | IMD3 |
| DC_8A-11A_n78A | 11 | 1430.5 | 5 | 25 | 1478.5 | N/A | N/A |
| | n78 | 3791 | 10 | 50 | 3791 | N/A | N/A |
| | 8 | 885 | 5 | 25 | 930 | 18.2 | IMD3 |
| DC_8A-20A_n78A | 8 | 890 | 5 | 25 | 935 | N/A | N/A |
| | n78 | 3470 | 10 | 50 | 3470 | N/A | N/A |
| | 20 | 841 | 5 | 25 | 800 | 12.1 | IMD4 |
| | 8 | 895 | 5 | 25 | 940 | 12.1 | IMD4 |
| | n78 | 3481 | 10 | 50 | 3481 | N/A | N/A |
| | 20 | 847 | 5 | 25 | 806 | N/A | N/A |
| DC_8A_n28A-n77A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n77 | 3473 | 10 | 50 | 3473 | 10.3 | IMD4 |
| | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n28 | 710 | 5 | 25 | 765 | 11.6 | IMD4 |
| | n77 | 3495 | 10 | 50 | 3495 | N/A | N/A |
| DC_8A-40A_n1A<br>DC_8A-40C_n1A | 8 | 885 | 5 | 25 | 930 | 8.0 | IMD4 |
| | 40 | 2395 | 5 | 25 | 2395 | N/A | N/A |
| | n1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| DC_8A-40A_n78A<br>DC_8A-40C_n78A | 8 | 905 | 5 | 25 | 950 | 30.5 | IMD2 |
| | 40 | 2380 | 5 | 25 | 2380 | N/A | N/A |
| | n78 | 3330 | 10 | 50 | 3330 | N/A | N/A |
| | 8 | 890 | 5 | 25 | 935 | 19.8 | IMD3 |
| | 40 | 2320 | 5 | 25 | 2320 | N/A | N/A |
| | n78 | 3705 | 10 | 50 | 3705 | N/A | N/A |
| | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | 40 | 2395 | 5 | 25 | 2395 | 28 | IMD2 |
| | n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
| DC_8A_n40A-n79A | 8 | 885 | 5 | 25 | 930 | N/A | N/A |
| | n40 | 2305 | 5 | 25 | 2305 | N/A | N/A |
| | n79 | 4960 | 40 | 216 | 4960 | 10.7 | IMD4 |
| | 8 | 885 | 5 | 25 | 930 | N/A | N/A |
| | n40 | 2305 | 5 | 25 | 2305 | 9.2 | IMD4 |
| | n79 | 4960 | 40 | 216 | 4960 | N/A | N/A |
| DC_8A_n41A-n79A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n41 | 2650 | 10 | 50 | 2650 | N/A | N/A |
| | n79 | 4470 | 40 | 216 | 4470 | 16.3 | IMD3 |
| | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n41 | 2650 | 10 | 50 | 2650 | 15.5 | IMD3 |
| | n79 | 4470 | 40 | 216 | 4470 | N/A | N/A |
| DC_8A-42A_n3A | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n3 | 1740 | 5 | 25 | 1835 | N/A | N/A |
| | 42 | 3540 | 5 | 25 | 3540 | 16.3 | IMD3 |
| DC_8A-42A_n28A | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | 42 | 3443 | 5 | 25 | 3443 | 8.7 | IMD4 |
| DC_8A_SUL_n78A-n80A | n80 | 1755 | 10 | 50 | | N/A | N/A |
| | 8 | 900 | 5 | 25 | 945 | 8 | IMD4 |
| | n80 | 1750 | 10 | 50 | | N/A | N/A |
| | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| | n78 | 3550 | 10 | 50 | 3550 | 8 | IMD3[3] |
| DC_11A-n3A_n28A | 11 | 1435 | 5 | 25 | 1483 | N/A | N/A |
| | n3 | 1753 | 5 | 25 | 1848 | N/A | N/A |
| | n28 | 745 | 5 | 25 | 800 | 3.0 | IMD5 |
| DC_11A-n3A_n77A<br>DC_11A-n3A_n77(2A) | 11 | 1440 | 5 | 25 | 1488 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n3 | 1740 | 5 | 25 | 1835 | N/A | N/A |
| | n77 | 3780 | 10 | 50 | 3780 | 10.8 | IMD4 |
| | 11 | 1440 | 5 | 25 | 1488 | N/A | N/A |
| | n3 | 1775 | 5 | 25 | 1870 | 29.0 | IMD2 |
| | n77 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC_11A-18A_n77A | 11 | 1443 | 5 | 25 | 1491 | N/A | N/A |
| | n77 | 3706 | 10 | 50 | 3706 | N/A | N/A |
| | 18 | 820 | 5 | 25 | 865 | 18.7 | IMD3 |
| DC_11A-18A_n78A | 11 | 1443 | 5 | 25 | 1491 | N/A | N/A |
| | n78 | 3706 | 10 | 50 | 3706 | N/A | N/A |
| | 18 | 820 | 5 | 25 | 865 | 18.7 | IMD3 |
| DC_11A_n28A-n77A<br>DC_11A_n28A-n77(2A) | 11 | 1443 | 5 | 25 | 1491 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n77 | 3629 | 10 | 50 | 3629 | 17.5 | IMD3 |
| | 11 | 1443 | 5 | 25 | 1491 | N/A | N/A |
| | n77 | 3684 | 10 | 50 | 3684 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | 15.8 | IMD3 |
| DC_12A_n7A-n78A,<br>DC_12A_n7(2A)-n78A<br>DC_12A_n7A-n78(2A)<br>DC_12A_n7(2A)-n78(2A) | 12 | 708 | 5 | 25 | 738 | N/A | N/A |
| | n7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| | n78 | 3624 | 10 | 50 | 3624 | 9 | IMD4 |
| | 12 | 708 | 5 | 25 | 738 | N/A | N/A |
| | n78 | 3370 | 10 | 50 | 3370 | N/A | N/A |
| | n7 | 2542 | 5 | 25 | 2662 | 29.6 | IMD2 |
| DC_12A-30A_n2A | 12 | 708.5 | 5 | 25 | 738.5 | N/A | N/A |
| | 30 | 2308 | 5 | 25 | 2353 | 12.0 | IMD4 |
| | n2 | 1885 | 5 | 25 | 1965 | N/A | N/A |
| DC_12A-66A_n5A | 12 | 712 | 5 | 25 | 742 | 9.4 | IMD4 |
| | 66 | 1745 | 5 | 25 | 2145 | N/A | N/A |
| | n5 | 829 | 5 | 25 | 874 | N/A | N/A |
| DC_13A_n2A-n77A | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n77 | 3444 | 10 | 50 | 3444 | 17.3 | IMD3 |
| | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | 16.0 | IMD3 |
| | n77 | 3524 | 10 | 50 | 3524 | N/A | N/A |
| DC_13A_n48A-n66A | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n48 | 3584 | 5 | 25 | 3584 | 2.8 | IMD5 |
| | n66 | 1716 | 5 | 25 | 2116 | N/A | N/A |
| | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| | n66 | 1731 | 5 | 25 | 2131 | 17.1 | IMD3 |
| DC_13A-66A_n2A<br>DC_13A-66A-66A_n2A | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | 66 | 1736 | 5 | 25 | 2156 | 7..2 | IMD4 |
| | n2 | 1860 | 5 | 25 | 1940 | N/A | N/A |
| DC_13A-66A_n5A | 13 | 781 | 5 | 25 | 750 | 9.4 | IMD4 |
| | 66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| | n5 | 840 | 5 | 25 | 885 | N/A | N/A |
| DC_12A-66A_n25A | 12 | 708.5 | 5 | 25 | 738.5 | N/A | N/A |
| | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| | n25 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| | 12 | 708.5 | 5 | 25 | 738.5 | N/A | N/A |
| | 66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| | n25 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| | 12 | 708.5 | 5 | 25 | 738.5 | N/A | N/A |
| | 66 | 1712.5 | 5 | 25 | 2112.5 | 23 | IMD3 |
| | n25 | 1912.5 | 5 | 25 | 1992.5 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_13A-66A_n48A<br>DC_13A-66A_n48B<br>DC_13A-66A-66A_n48A<br>DC_13A-66A-66A_n48B | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | 66 | 1731 | 5 | 25 | 2131 | 17.1 | IMD3 |
| | n48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| DC_13A-66A_n77A | 13 | 777 | 5 | 25 | 746 | N/A | N/A |
| | 66 | 1746 | 5 | 25 | 2146 | 17.1 | IMD3 |
| | n77 | 3700 | 10 | 50 | 3700 | N/A | N/A |
| | 13 | 781 | 5 | 25 | 750 | 15.2 | IMD3 |
| | 66 | 1710 | 5 | 25 | 2110 | N/A | N/A |
| | n77 | 4170 | 10 | 50 | 4170 | N/A | N/A |
| DC_13A_n2A-n77A | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n77 | 3444 | 10 | 50 | 3444 | 17.3 | IMD3 |
| | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | 16.0 | IMD3 |
| | n77 | 3524 | 10 | 50 | 3524 | N/A | N/A |
| DC_18A_n3A-n77A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| | n3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| | n77 | 3410 | 10 | 50 | 3410 | 16.3 | IMD3 |
| | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| | n3 | 1770 | 5 | 25 | 1865 | 15.7 | IMD3 |
| | n77 | 3505 | 10 | 50 | 3505 | N/A | N/A |
| DC_14A-66A_n2A<br>DC_14A-66A-66A_n2A | 14 | 793 | 5 | 25 | 763 | N/A | N/A |
| | 66 | 1762 | 5 | 25 | 2162 | 7.6 | IMD4 |
| | n2 | 1874 | 5 | 25 | 1954 | N/A | N/A |
| DC_13A_n2A-n77A | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n77 | 3444 | 10 | 50 | 3444 | 17.3 | IMD3 |
| | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | 16.0 | IMD3 |
| | n77 | 3524 | 10 | 50 | 3524 | N/A | N/A |
| DC_18A_n3A-n78A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| | n3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 15.2 | IMD3[3] |
| DC_13A_n2A-n77A | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n77 | 3444 | 10 | 50 | 3444 | 17.3 | IMD3 |
| | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | 16.0 | IMD3 |
| | n77 | 3524 | 10 | 50 | 3524 | N/A | N/A |
| DC_18A-28A_n77A<br>DC_18A_n28A-n77A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| | 28/n28 | 723 | 5 | 25 | 778 | 4.4 | IMD5 |
| | n77 | 4058 | 10 | 50 | 4058 | N/A | N/A |
| DC_18A-28A_n77A | 18 | 820 | 5 | 25 | 865 | 3.9 | IMD5 |
| | 28 | 723 | 5 | 25 | 778 | N/A | N/A |
| | n77 | 3757 | 10 | 50 | 3757 | N/A | N/A |
| DC_18A-28A_n78A | 18 | 819 | 5 | 25 | 864 | 3.8 | IMD5 |
| | 28 | 723 | 5 | 25 | 778 | N/A | N/A |
| | n78 | 3756 | 10 | 50 | 3756 | N/A | N/A |
| DC_18A_n28A-n77A<br>DC_18A_n28A-n78A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| | n28 | 710 | 5 | 25 | 765 | N/A | N/A |
| | n77/n78 | 3770 | 10 | 50 | 3770 | 4.0 | IMD5 |
| DC_18A-41A_n3A<br>DC_18A-41C_n3A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| | n3 | 1725 | 5 | 25 | 1820 | N/A | N/A |
| | 41 | 2630 | 5 | 25 | 2630 | 16.0 | IMD3 |
| | 18 | 820 | 5 | 25 | 865 | 28.9 | IMD2[1] |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | n3 | 1765 | 5 | 25 | 1860 | N/A | N/A |
| | 41 | 2630 | 5 | 25 | 2630 | N/A | N/A |
| DC_18A-41A_n77A<br>DC_18A-41C_n77A | 18 | 820 | 5 | 25 | 865 | 3.4 | IMD5 |
| | n77 | 3527.5 | 10 | 50 | 3527.5 | N/A | N/A |
| | 41 | 2640 | 5 | 25 | 2640 | N/A | N/A |
| DC_18A_n41A-n77A<br>DC_18A_n41A-n78A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| | n41 | 2570 | 5 | 25 | 2570 | N/A | N/A |
| | n77/n78 | 3390 | 10 | 50 | 3390 | 30.1 | IMD2 |
| | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| | n77/n78 | 3450 | 10 | 50 | 3450 | N/A | N/A |
| | n41 | 2630 | 5 | 25 | 2630 | 28.5 | IMD2 |
| DC_18A-41A_n78A<br>DC_18A-41C_n78A | 18 | 820 | 5 | 25 | 865 | 3.4 | IMD5 |
| | n78 | 3527.5 | 10 | 50 | 3527.5 | N/A | N/A |
| | 41 | 2640 | 5 | 25 | 2640 | N/A | N/A |
| DC_19A_n1A-n77A<br>DC_19A_n1A-n78A | 19 | 840 | 5 | 25 | 885 | N/A | N/A |
| | n1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| | n77/n78 | 3655 | 10 | 50 | 3655 | [21.4] | IMD3 |
| | 19 | 832.5 | 5 | 25 | 877.5 | N/A | N/A |
| | n1 | 1940 | 5 | 25 | 2130 | 17.8 | IMD3 |
| | n77/n78 | 3795 | 10 | 50 | 3795 | N/A | N/A |
| DC_19A-21A_n77A<br>DC_19A-21A_n78A | 19 | 837.5 | 5 | 25 | 882.5 | 18.7 | IMD3 |
| | 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| | n77, n78 | 3783.3 | 10 | 50 | 3783.3 | N/A | N/A |
| DC_19A-21A_n77A | 19 | 837.5 | 5 | 25 | 882.5 | N/A | N/A |
| | 21 | 1454.5 | 5 | 25 | 1502.5 | 9.0 | IMD4 |
| | n77 | 4015 | 10 | 50 | 4015 | N/A | N/A |
| DC_19A-21A_n79A | 19 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| | 21 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n79 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 19 | 837.5 | 5 | 25 | 882.2 | N/A | N/A |
| | 21 | 1452 | 5 | 25 | 1500 | 3.8 | IMD5 |
| | n79 | 4850 | 40 | 216 | 4850 | N/A | N/A |
| DC_20A_n1A-n78A | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | n1 | 1940 | 5 | 25 | 2130 | N/A | N/A |
| | n78 | 3630 | 10 | 50 | 3630 | 16.0 | IMD3 |
| | 20 | 835 | 5 | 25 | 794 | N/A | N/A |
| | n1 | 1930 | 5 | 25 | 2120 | 15.3 | IMD3 |
| | n78 | 3790 | 10 | 50 | 3790 | N/A | N/A |
| DC_20A_n3A-n78A | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | n3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n78 | 3420 | 10 | 50 | 3420 | 16.1 | IMD3 |
| | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | n3 | 1765 | 5 | 25 | 1860 | 15.7 | IMD3 |
| | n78 | 3550 | 10 | 50 | 3550 | N/A | N/A |
| DC_20A_38A-n78A | 20 | N/A | N/A | N/A | N/A | N/A | IMD2 |
| | 38 | N/A | N/A | N/A | N/A | N/A | N/A |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 20 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 38 | N/A | N/A | N/A | N/A | N/A | IMD2 |
| | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC_20A_n7A-n28A | 20 | 857 | 5 | 25 | 816 | N/A | N/A |
| | n7 | 2512 | 5 | 25 | 2632 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | 13.9 | IMD3 |
| | 20 | 852 | 5 | 25 | 811 | N/A | N/A |
| | n7 | 2550 | 10 | 50 | 2670 | 5.9 | IMD5 |
| | n28 | 738 | 5 | 25 | 793 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_20A_SUL_n78A-n80A | 20 | 847 | 5 | 25 | 806 | 9 | IMD4 |
| | n80 | 1735 | 5 | 25 | | N/A | N/A |
| DC_20A_n41A-n78A | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | n41 | 2675 | 10 | 50 | 2675 | 29.8 | IMD2 |
| | n78 | 3520 | 10 | 50 | 3520 | N/A | N/A |
| | 20 | 850 | 5 | 25 | 809 | N/A | N/A |
| | n41 | 2550 | 10 | 50 | 2550 | N/A | N/A |
| | n78 | 3400 | 10 | 50 | 3400 | 28.8 | IMD2 |
| DC_21A_n1A-n77A<br>DC_21A_n1A-n78A | 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| | n1 | 1964.6 | 5 | 25 | 2154.6 | 30.6 | IMD2[4] |
| | n77/n78 | 3605 | 10 | 50 | 3605 | N/A | N/A |
| DC_21A-28A_n77A | 21 | 1452 | 5 | 25 | 1500 | N/A | N/A |
| | 28 | 730.5 | 5 | 25 | 785.5 | 16.9 | IMD3 |
| | n77 | 3689.5 | 10 | 50 | 3689.5 | N/A | N/A |
| | 21 | 1450.5 | 5 | 25 | 1498.5 | 9.9 | IMD4 |
| | 28 | 730.5 | 5 | 25 | 785.5 | N/A | N/A |
| | n77 | 3690 | 10 | 50 | 3690 | N/A | N/A |
| DC_21A-28A_n79A | 21 | 1450 | 5 | 25 | 1498 | 5.2 | IMD5 |
| | 28 | 730.5 | 5 | 25 | 785.5 | N/A | N/A |
| | n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| DC_21A-42A_n1A | 21 | 1452 | 5 | 25 | 1500 | 31.4 | IMD2 |
| | 42 | 3450 | 10 | 50 | 3450 | N/A | N/A |
| | n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| DC_28A_n1A-n40A | 28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| | n40 | 2374 | 5 | 25 | 2374 | 10.1 | IMD4 |
| DC_28A_n1A-n78A | 28 | 733 | 5 | 25 | 788 | N/A | N/A |
| | n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| | n78 | 3416 | 10 | 50 | 3416 | 15.7 | IMD3 |
| | 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| | n1 | 1960 | 5 | 25 | 2150 | 15.7 | IMD3 |
| | n78 | 3630 | 10 | 50 | 3630 | N/A | N/A |
| DC_28A_n3A-n77A | 28 | 735 | 5 | 25 | 790 | N/A | N/A |
| | n3 | 1755 | 5 | 25 | 1850 | 17.0 | IMD3 |
| | n77 | 3320 | 10 | 52 | 3320 | N/A | N/A |
| | 28 | 733 | 5 | 25 | 788 | N/A | N/A |
| | n3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n77 | 4173 | 10 | 50 | 4173 | 15.9 | IMD3 |
| DC_28A_n7A-n78A<br>DC_28A_n7B-n78A | 28 | 745 | 5 | 25 | 800 | N/A | N/A |
| | n7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n78 | 3310 | 10 | 50 | 3310 | 29.7 | IMD2 |
| | 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| | n7 | 2530 | 5 | 25 | 2650 | 30.5 | IMD2 |
| | n78 | 3390 | 10 | 50 | 3390 | N/A | N/A |
| DC_28A-41A_n77A | 28 | 738 | 5 | 25 | 793 | N/A | N/A |
| | n77 | 3380 | 10 | 50 | 3380 | N/A | N/A |
| | 41 | 2642 | 5 | 25 | 2642 | 29.5 | IMD2 |
| DC_28A-41A_n77A | 41 | 2642 | 5 | 25 | 2642 | N/A | N/A |
| | n77 | 3440 | 10 | 50 | 3440 | N/A | N/A |
| | 28 | 743 | 5 | 25 | 798 | 30.8 | IMD2 |
| DC_28A-41A_n77A | 41 | 2567.5 | 10 | 50 | 2567.5 | N/A | N/A |
| | n77 | 3460 | 10 | 50 | 3460 | N/A | N/A |
| | 28 | 727.5 | 5 | 25 | 782.5 | 3.0 | IMD5 |
| DC_28A-41A_n78A | 28 | 738 | 5 | 25 | 793 | N/A | N/A |
| | n78 | 3380 | 10 | 50 | 3380 | N/A | N/A |
| | 41 | 2642 | 5 | 25 | 2642 | 29.5 | IMD2 |
| DC_28A-41A_n78A | 41 | 2642 | 5 | 25 | 2642 | N/A | N/A |
| | n78 | 3440 | 10 | 50 | 3440 | N/A | N/A |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 28 | 743 | 5 | 25 | 798 | 30.8 | IMD2 |
| DC_28A-41A_n79A | 28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n79 | 4739 | 40 | 216 | 4739 | N/A | N/A |
| | 41 | 2510 | 5 | 25 | 2510 | 8.6 | IMD4 |
| DC_28A-41A_n79A | 41 | 2650 | 5 | 25 | 2650 | N/A | N/A |
| | n79 | 4502 | 40 | 216 | 4502 | N/A | N/A |
| | 28 | 743 | 5 | 25 | 798 | 15.9 | IMD3 |
| DC_28A-42A_79A | 28 | 730 | 5 | 25 | 785 | N/A | N/A |
| | 42 | 3420 | 5 | 25 | 3420 | 15.3 | IMD3 |
| | n79 | 4880 | 40 | 216 | 4880 | N/A | N/A |
| | 28 | 745 | 5 | 25 | 800 | 16.2 | IMD2 |
| | 42 | 3597.5 | 5 | 25 | 3597.5 | N/A | N/A |
| | n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| DC_28A-66A_n7A | 28 | 735 | 5 | 25 | 790 | 27.6 | IMD2 |
| | 66 | 1715 | 5 | 25 | 2115 | N/A | N/A |
| | n7 | 2505 | 5 | 50 | 2625 | N/A | N/A |
| DC_28A-66A_n66A | 28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| | 66 | 1729 | 5 | 25 | 2129 | 11.0 | IMD4 |
| | n66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| DC_19A_n78A-n79A | 19 | 835 | 5 | 25 | 880 | N/A | N/A |
| | n78 | 3680 | 10 | 50 | 3680 | N/A | N/A |
| | n79 | 4515 | 40 | 216 | 4515 | 29.3 | IMD2 |
| | 19 | 835 | 5 | 25 | 880 | N/A | N/A |
| | n79 | 4550 | 40 | 216 | 4550 | N/A | N/A |
| | n78 | 3715 | 10 | 50 | 3715 | 28.8 | IMD2 |
| DC_20A-28A_n3A | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| | 28 | 730 | 5 | 25 | 785 | 9.4 | IMD4 |
| | n3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| DC_20A_n28A-n78A, DC_20A_SUL_n78A-n83A | 20 | 857 | 5 | 25 | 816 | N/A | N/A |
| | n28, n83 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n78 | 3314 | 10 | 50 | 3314 | 8.7 | IMD4 |
| | 20 | 837 | 5 | 25 | 796 | N/A | N/A |
| | n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| | n28 | 744 | 5 | 25 | 799 | 9.4 | IMD4 |
| DC_20A-32A_n1A | n1 | 1950.5 | 5 | 50 | 2140.5 | N/A | N/A |
| | 20 | 852.5 | 5 | 25 | 811.5 | N/A | N/A |
| | 32 | N/A | 5 | N/A | 1459.5 | 4.0 | IMD5 |
| DC_21A_n78A-n79A | 21 | 1453 | 5 | 25 | 1501 | N/A | N/A |
| | n78 | 3420 | 10 | 50 | 3420 | N/A | N/A |
| | n79 | 4873 | 40 | 216 | 4873 | 30.1 | IMD2 |
| | 21 | 1453 | 5 | 25 | 1501 | N/A | N/A |
| | n79 | 4940 | 40 | 216 | 4940 | N/A | N/A |
| | n78 | 3487 | 10 | 50 | 3487 | 29.8 | IMD2 |
| DC_28A_n8A-n78A | 28 | 728 | 5 | 25 | 783 | N/A | N/A |
| | n8 | 910 | 5 | 25 | 955 | N/A | N/A |
| | n78 | 3458 | 10 | 50 | 3458 | 9.1 | IMD4 |
| | 28 | 713 | 5 | 25 | 768 | N/A | N/A |
| | n8 | 890 | 5 | 25 | 935 | 4.3 | IMD5 |
| | n78 | 3787 | 10 | 50 | 3787 | N/A | N/A |
| DC_30A-66A_n5A, DC_30A-66A-66A_n5A, DC_30A-66A-66A-66A_n5A | 30 | 2310 | 5 | 25 | 2355 | N/A | N/A |
| | 66 | 1730 | 5 | 25 | 2130 | 2.5 | IMD5 |
| | n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| DC_39A_n40A-n79A | 39 | 1917.5 | 5 | 25 | 1917.5 | N/A | N/A |
| | n40 | 2302.5 | 5 | 25 | 2302.5 | N/A | N/A |
| | n79 | 4980 | 40 | 216 | 4980 | 5.8 | IMD4 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_39A_n41A-n79A | 39 | 1900 | 5 | 25 | 1900 | N/A | N/A |
| | n41 | 2620 | 10 | 50 | 2620 | N/A | N/A |
| | n79 | 4520 | 40 | 216 | 4520 | 29.8 | IMD2[4] |
| | 39 | 1900 | 5 | 25 | 1900 | N/A | N/A |
| | n41 | 2620 | 10 | 50 | 2620 | 30.2 | IMD2[4] |
| | n79 | 4520 | 40 | 216 | 4520 | N/A | N/A |
| DC_41A_n3A-n77A<br>DC_41C_n3A-n77A<br>DC_41A_n3A-n78A<br>DC_41C_n3A-n78A | 41 | 2620 | 5 | 25 | 2620 | N/A | N/A |
| | n3 | 1745 | 5 | 25 | 1840 | 16.4 | IMD3 |
| | n77/n78 | 3400 | 10 | 50 | 3400 | N/A | N/A |
| | 41 | 2580 | 5 | 25 | 2580 | N/A | N/A |
| | n3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| | n77/n78 | 3440 | 10 | 50 | 3440 | 16.8 | IMD3[4] |
| DC_41A_n28A-n77A<br>DC_41C_n28A-n77A<br>DC_41A_n28A-n78A<br>DC_41C_n28A-n78A | 41 | 2580 | 5 | 25 | 2580 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| | n77/n78 | 3323 | 10 | 50 | 3323 | 28.2 | IMD2[1] |
| | 41 | 2642 | 5 | 25 | 2642 | N/A | N/A |
| | n28 | 743 | 5 | 25 | 798 | 30.8 | IMD2[1] |
| | n77/n78 | 3440 | 10 | 50 | 3440 | N/A | N/A |
| DC_46A-66A_n5A | 46 | 5163 | 10 | 50 | 5163 | 9.0 | IMD4 |
| | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| | n5 | 847 | 5 | 25 | 892 | N/A | N/A |
| DC_46A-66A_n25A[4]<br>DC_46C-66A_n25A[4]<br>DC_46D-66A_n25A[4] | 46 | 5505 | 10 | 50 | 5505 | 16.1 | IMD3 |
| | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| | n25 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| | 46 | 5505 | 10 | 50 | 5505 | 16.1 | IMD3 |
| | 66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| | n25 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| | 46 | 5505 | 10 | 50 | 5505 | 16.1 | IMD3 |
| | 66 | 1712.5 | 5 | 25 | 2112.5 | 23 | IMD3 |
| | n25 | 1912.5 | 5 | 25 | 1992.5 | N/A | N/A |
| DC_48A-66A_n12A | 48 | 3580 | 5 | 25 | 3580 | N/A | N/A |
| | 66 | 1760 | 5 | 25 | 2160 | 17.1 | IMD3 |
| | n12 | 710 | 5 | 25 | 740 | N/A | N/A |
| DC_48A-66A_n25A<br>DC_48C-66A_n25A<br>DC_48D-66A_n25A | 48 | 3630 | 20 | 100 | 3630 | N/A | N/A |
| | 66 | 1730 | 5 | 25 | 2130 | 8.3 | IMD4 |
| | n25 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| | 48 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2 |
| | 66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n25 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| DC_48A-66A_n71A | 48 | 3560 | 5 | 25 | 3560 | N/A | N/A |
| | 66 | 1774 | 5 | 25 | 2174 | 15.8 | IMD3 |
| | n71 | 693 | 5 | 25 | 647 | N/A | N/A |
| | 48 | 3697.5 | 5 | 25 | 3697.5 | 13.0 | IMD4 |
| | 66 | 1712.5 | 5 | 25 | 2112.5 | N/A | N/A |
| | n71 | 665.5 | 5 | 25 | 619.5 | N/A | N/A |
| DC_66A_n2A-n77A | 66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n77 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2 |
| | n2 | 1880 | 5 | 25 | 1960 | 32.1 | IMD2 |

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| | 66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n77 | 3700 | 10 | 50 | 3700 | N/A | N/A |
| DC_66A_n5A-n48A | 66 | 1750 | 5 | 25 | 2150 | N/A | N/A |
| | n5 | 834 | 5 | 25 | 879 | N/A | N/A |
| | n48 | 3582 | 5 | 25 | 3582 | 3.3 | IMD5 |
| DC_66A_n5A-n77A | 66 | 1760 | 5 | 25 | 2160 | N/A | N/A |
| | n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| | n77 | 3420 | 10 | 50 | 3420 | 16.6 | IMD3 |
| DC_66A_n7A-n78A, DC_66A-66A_n7A-n78 DC_66A_n7(2A)-n78A DC_66A-66A_n7(2A)-n78A DC_66A_n7A-n78(2A) DC_66A-66A_n7A-n78(2A) DC_66A-66A_n7(2A)-n78(2A) | 66 | 1730 | 5 | 25 | 2130 | N/A | N/A |
| | n7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 16.1 | IMD3 |
| DC_66A_n25A-n41A | 66 | 1715 | 5 | 25 | 2115 | N/A | N/A |
| | n41 | 2685 | 10 | 50 | 2685 | N/A | N/A |
| | n25 | 1860 | 5 | 25 | 1940 | 5 | 11.0 |
| DC_66A_n25A-n48A | 66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| | n25 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| | n48 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2 |
| | 66 | 1735 | 5 | 25 | 2135 | N/A | N/A |
| | n25 | 1880 | 5 | 25 | 1960 | 28.3 | IMD2 |
| | n48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| DC_66A_n38A-n78A | 66 | 1760 | 5 | 25 | 2160 | N/A | N/A |
| | n38 | 2610 | 5 | 25 | 2610 | N/A | N/A |
| | n78 | 3460 | 10 | 50 | 3460 | 15.0 | IMD3 |
| DC_66A_n66A-n77A | 66 | 1730 | 5 | 25 | 2140 | N/A | N/A |
| | n66 | 1760 | 5 | 25 | 2170 | 31 | IMD2 |
| | n77 | 3900 | 10 | 50 | 3900 | N/A | N/A |
| DC_66A_n66A-n78A | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| | n66 | 1725 | 5 | 25 | 2125 | 2.8 | IMD5 |
| | n78 | 3725 | 10 | 50 | 3725 | N/A | N/A |

NOTE 1: This band is subject to IMD3 also which MSD is not specified.
NOTE 2: For DC_3A_n3A-n77A, DC_3A_n3A-n78A paired with UL_DC_3A_n3A, the 3rd DL bands n77/n78 are subject to IMD2 which MSD is not specified
NOTE 3: This MSD requirement apply with both IMD2 and IMD3 products should be generated.
NOTE 4: This band is subject to IMD5 also which MSD is not specified.
NOTE 5: When Band 46 have self-interference problems by dual uplink CA/EN-DC, then the requirements do not apply in exclusion zone which is frequency range within (harmonics frequency region + $\Delta F_{HD}$) and IMD frequency region as follow.

IMD frequency range

| DL_CA configuration | UL_CA configuration | Exclusion zone center frequency | Exclusion zone BW |
|---|---|---|---|
| DC_2A-46A_n66A | DC_2A_n66A | 2*fc_2A + fc_n66A | 2*BW_2A + BW_n66A |
| DC_2A-46A_n66A | DC_2A_n66A | fc_2A + 2*fc_n66A | BW_2A + 2*BW_n66A |

NOTE 6: For NR band, UL/DL BW and UL $L_{CRB}$ can be adjusted according to the supported BW and lowest SCS supported by the UE.
NOTE 7: This band is also subject to IMD2 which is not specified. The frequency range below 3400MHz in n77 is not used for this combination.
NOTE 8: Band 5 is also affected by IMD5 from UL DC_2A_n12A, but MSD value is not specified as there is only partial overlap of IMD5 with DL carrier

7.3B.2.3.5.3 Void

7.3B.2.3.5.4 MSD test points for intermodulation interference due to dual uplink operation for EN-DC in NR FR1 involving four bands

**Table 7.3B.2.3.5.4-1: MSD test points for Scell due to dual uplink operation for EN-DC in NR FR1 (four bands)**

| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EN-DC Configuration** | **EUTRA / NR band** | **UL $F_c$ (MHz)** | **UL/DL BW (MHz)** | **UL $L_{CRB}$** | **DL $F_c$ (MHz)** | **MSD (dB)** | **IMD order** |
| DC_1A-7A_n7A-n78A | 1 | 1950 | 5 | 25 | 2140 | 8.7 | IMD4 |
| | 7, n7 | 2510 | 10 | 50 | 2630 | N/A | N/A |
| | n78 | 3580 | 10 | 50 | 3580 | N/A | N/A |
| | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| | 7, n7 | 2507.5 | 5 | 25 | 2627.5 | 9.1 | IMD4 |
| | n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
| | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| | 7, n7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 10.1 | IMD4 |
| DC_3A-7A_n7A-n78A<br>DC_3A-3A-7A_n7A-n78A<br>DC_3C-7A_n7A-n78A | 3 | 1725 | 5 | 25 | 1820 | 17.6 | IMD3 |
| | 7, n7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| | 3 | 1725 | 5 | 25 | 1820 | 8.6 | IMD4 |
| | 7, n7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | n78 | 3475 | 10 | 50 | 3475 | N/A | N/A |
| | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| | n7, n7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3390 | 16.1 | IMD3 |
| DC_7A-28A_n7A-n78A | 7, n7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | 28 | 745 | 5 | 25 | 800 | 28.8 | IMD2 |
| | n78 | 3365 | 10 | 50 | 3365 | N/A | N/A |
| | 7, n7 | 2570 | 5 | 25 | 2670 | N/A | N/A |
| | 28 | 720 | 5 | 25 | 790 | 3.0 | IMD5 |
| | n78 | 3460 | 10 | 50 | 3421 | N/A | N/A |
| | 7, n7 | 2570 | 5 | 25 | 2650 | 30.5 | IMD2 |
| | 28 | 740 | 5 | 25 | 768 | N/A | N/A |
| | n78 | 3390 | 10 | 50 | 3421 | N/A | N/A |
| | 7, n7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| | 28 | 745 | 5 | 25 | 800 | N/A | N/A |
| | n78 | 3310 | 10 | 50 | 3310 | 29.7 | IMD2 |
| NOTE 1: For NR band, UL/DL BW and UL $L_{CRB}$ can be adjusted according to the supported BW and lowest SCS supported by the UE. | | | | | | | |

## 7.3B.2.3a Inter-band NE-DC within FR1

Reference sensitivity exceptions are specified for the condition when there is uplink transmission only in the aggressor band. This clause addresses directly only NE-DC configurations that don't have a corresponding specified EN-DC configuration or specific NE-DC exceptions.

### 7.3B.2.3a.1 Reference sensitivity exceptions due to UL harmonic interference for NE-DC in NR FR1

Sensitivity degradation is allowed for a band if it is impacted by UL harmonic interference from another band part of the same NE-DC configuration. For the NE-DC cconfigurations that have an EN-DC defined configuration, the reference sensitivity exceptions for the victim band (high) are specified in Table 7.3B.2.3.1-1 with uplink configuration of the aggressor band (low) specified in Table 7.3B.2.3.1-2 are applicable.

### 7.3B.2.4 Inter-band EN-DC including FR2

#### 7.3B.2.4.1 Void

### 7.3B.2.5 Inter-band EN-DC including both FR1 and FR2

#### 7.3B.2.5.1 Reference sensitivity exceptions due to UL harmonic interference for EN-DC including both FR1 and FR2

For inter-band EN-DC of E-UTRA and NR in both FR1 and FR2, the UE is allowed to apply each sensitivity degradation for EN-DC in FR1 specified in clause 7.3B.2.3 TS 38.101-3 and for EN-DC including FR2 specified in clause 7.3B.2.3 of TS 38.101-3 independently.

## 7.3B.3 $\Delta R_{IB,c}$, $\Delta R_{IBNC}$ for DC

### 7.3B.3.0 General

For the UE which supports inter-band EN-DC or NE-DC configuration, the minimum requirement for reference sensitivity in Table 7.3.1-1 and Table 7.3.1-1a in TS 36.101 [4], clause 7.3.2, 7.3A.2, 7.3C.2 in TS 38.101-1 [2] and clause 7.3.2, 7.3A.2 in TS 38.101-2 [3] shall be increased by the amount given in $\Delta R_{IB,c}$, $\Delta R_{IBNC}$ in Tables below where unless otherwise stated, the same $\Delta R_{IB,c}$, $\Delta R_{IBNC}$ are applicable to NR band(s) part for DC configurations which have the same NR operating band combination. Unless otherwise stated, $\Delta R_{IB,c}$ or $\Delta R_{IBNC}$ is set to zero.

In case the UE supports more than one of band combinations for CA, SUL or DC, and an operating band belongs to more than one band combinations then

- When the operating band frequency range is ≤ 1 GHz, the applicable additional $\Delta R_{IB,c}$ shall be the average value for all band combinations defined in clause 7.3A, 7.3B, 7.3C in this specification and 7.3A, 7.3B in TS 38.101-3 [3], truncated to one decimal place that apply for that operating band among the supported band combinations. In case there is a harmonic relation between low band UL and high band DL, then the maximum $\Delta R_{IB,c}$ among the different supported band combinations involving such band shall be applied

- When the operating band frequency range is > 1 GHz, the applicable additional $\Delta R_{IB,c}$ shall be the maximum value for all band combinations defined in clause 7.3A, 7.3B, 7.3C in this specification and 7.3A, 7.3B in TS 38.101-3 [3] for the applicable operating bands.

Unless $\Delta R_{IB,c}$ is specified for the NE-DC configuration, the specified $\Delta R_{IB,c}$ for the EN-DC configuration including same bands as the corresponding NE-DC configuration is applicable for the NE-DC configuration.

### 7.3B.3.1 Intra-band contiguous EN-DC

### 7.3B.3.2 Intra-band non-contiguous EN-DC

**Table 7.3B.3.2-1: Intra-band non-contiguous EN-DC with one uplink configuration on E-UTRA for reference sensitivity (E-UTRA carrier is higher than the NR carrier)**

| DC configuration | Aggregated channel bandwidth | | $W_{gap}$ / (MHz) | UL E-UTRA allocation | $\Delta R_{IBNC}$ (dB) | Duplex mode |
|---|---|---|---|---|---|---|
| | E-UTRA | NR | | | | |
| DC_3A_n3A | 5 MHz | 5 MHz | $45.0 < W_{gap} \leq 65.0$ | 12[1] | 4.7 | FDD |
| | | | $0.0 < W_{gap} \leq 45.0$ | 25[1] | 0 | |
| | 5 MHz | 10 MHz | $40.0 < W_{gap} \leq 60.0$ | 12[1] | 3.8 | |
| | | | $0.0 < W_{gap} \leq 40.0$ | 25[1] | 0 | |
| | 5 MHz | 15 MHz | $35.0 < W_{gap} \leq 55.0$ | 12[1] | 3.6 | |
| | | | $0.0 < W_{gap} \leq 35.0$ | 25[1] | 0 | |
| | 5 MHz | 20 MHz | $30.0 < W_{gap} \leq 50.0$ | 12[1] | 3.4 | |
| | | | $0.0 < W_{gap} \leq 30.0$ | 25[1] | 0 | |
| | 5 MHz | 25 MHz | $25.0 < W_{gap} \leq 45.0$ | 12[1] | 3.2 | |
| | | | $0.0 < W_{gap} \leq 25.0$ | 25[1] | 0 | |
| | 5 MHz | 30 MHz | $20.0 < W_{gap} \leq 40.0$ | 12[1] | 3.0 | |
| | | | $0.0 < W_{gap} \leq 20.0$ | 25[1] | 0 | |
| | 10 MHz | 5 MHz | $30.0 < W_{gap} \leq 60.0$ | 12[5] | 5.1 | |
| | | | $0.0 < W_{gap} \leq 30.0$ | 32[1] | 0 | |
| | 10 MHz | 10MHz | $25.0 < W_{gap} \leq 55.0$ | 12[5] | 4.3 | |
| | | | $0.0 < W_{gap} \leq 25.0$ | 32[1] | 0 | |
| | 10 MHz | 15 MHz | $20.0 < W_{gap} \leq 50.0$ | 12[5] | 3.8 | |
| | | | $0.0 < W_{gap} \leq 20.0$ | 32[1] | 0 | |
| | 10 MHz | 20 MHz | $15.0 < W_{gap} \leq 45.0$ | 12[5] | 3.5 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 32[1] | 0 | |
| | 10 MHz | 25 MHz | $10.0 < W_{gap} \leq 40.0$ | 12[5] | 3.2 | |
| | | | $0.0 < W_{gap} \leq 10.0$ | 32[1] | 0 | |
| | 10 MHz | 30 MHz | $5.0 < W_{gap} \leq 35.0$ | 12[5] | 2.8 | |
| | | | $0.0 < W_{gap} \leq 5.0$ | 32[1] | 0 | |
| | 15 MHz | 5 MHz | $25.0 < W_{gap} \leq 55.0$ | 12[6] | 6.0 | |
| | | | $0.0 < W_{gap} \leq 25.0$ | 32[1] | 0 | |
| | 15 MHz | 10 MHz | $20.0 < W_{gap} \leq 50.0$ | 12[6] | 4.7 | |
| | | | $0.0 < W_{gap} \leq 20.0$ | 32[1] | 0 | |
| | 15 MHz | 15 MHz | $15.0 < W_{gap} \leq 45.0$ | 12[6] | 4.2 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 32[1] | 0 | |
| | 15 MHz | 20 MHz | $10.0 < W_{gap} \leq 40.0$ | 12[6] | 3.8 | |
| | | | $0.0 < W_{gap} \leq 10.0$ | 32[1] | 0 | |
| | 15 MHz | 25 MHz | $5.0 < W_{gap} \leq 35.0$ | 12[6] | 3.5 | |
| | | | $0.0 < W_{gap} \leq 5.0$ | 32[1] | 0 | |
| | 15 MHz | 30 MHz | $0.0 < W_{gap} \leq 30.0$ | 12[6] | 3.3 | |
| | 20 MHz | 5 MHz | $15.0 < W_{gap} \leq 50.0$ | 16[7] | 6.5 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 32[1] | 0 | |
| | 20 MHz | 10 MHz | $10.0 < W_{gap} \leq 45.0$ | 16[7] | 5.1 | |
| | | | $0.0 < W_{gap} \leq 10.0$ | 32[1] | 0 | |
| | 20 MHz | 15 MHz | $5.0 < W_{gap} \leq 40.0$ | 16[7] | 4.5 | |
| | | | $0.0 < W_{gap} \leq 5.0$ | 32[1] | 0 | |
| | 20 MHz | 20 MHz | $0.0 < W_{gap} \leq 35.0$ | 16[7] | 4.1 | |
| | 20 MHz | 25 MHz | $0.0 < W_{gap} \leq 30.0$ | 16[7] | 3.8 | |
| | 20 MHz | 30 MHz | $0.0 < W_{gap} \leq 25.0$ | 16[7] | 3.6 | |
| DC_66A_n66A | NOTE 4 | | NOTE 8 | NOTE 9 | 0 | FDD |

NOTE 1: UL resource blocks shall be located as close as possible to the downlink operating band but confined within the transmission.
NOTE 2: $W_{gap}$ is the sub-block gap between the two sub-blocks.
NOTE 3: The table only applies when the center frequency of E-UTRA carrier is higher than the NR carrier, and the $\Delta R_{IBNC}$ applies to the NR DL carrier only
NOTE 4: All combinations of channel bandwidths defined in Table 5.3B.1.3-1.
NOTE 5: UL resource blocks shall be located at $RB_{start}$ = 25.
NOTE 6: UL resource blocks shall be located at $RB_{start}$ = 35.
NOTE 7: UL resource blocks shall be located at $RB_{start}$ = 50.
NOTE 8: All applicable sub-block gap sizes.
NOTE 9: The UL LTE allocation is same as Transmission bandwidth configuration $N_{RB}$ as defined in Table 5.6-1 in TS 36.101 [4].

**Table 7.3B.3.2-2: Intra-band non-contiguous EN-DC with one uplink configuration on NR for reference sensitivity (NR carrier is higher than the E-UTRA carrier)**

| DC configuration | Aggregated bandwidth | | $W_{gap}$ / (MHz) | UL NR allocation | $\Delta R_{IBNC}$ (dB) | Duplex mode |
|---|---|---|---|---|---|---|
| | NR | E-UTRA | | | | |
| DC_2A_n2A | 5MHz | 5MHz | $30.0 < W_{gap} \leq 50.0$ | 12[1] | 5.3 | FDD |
| | | | $0.0 < W_{gap} \leq 30.0$ | 25[1] | 0 | |
| | 5MHz | 10MHz | $25.0 < W_{gap} \leq 45.0$ | 12[1] | 4.4 | |
| | | | $0.0 < W_{gap} \leq 25.0$ | 25[1] | 0 | |
| | 5MHz | 15MHz | $20.0 < W_{gap} \leq 40.0$ | 12[1] | 4.2 | |
| | | | $0.0 < W_{gap} \leq 20.0$ | 25[1] | 0 | |
| | 5MHz | 20MHz | $15.0 < W_{gap} \leq 35.0$ | 12[1] | 3.8 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 25[1] | 0 | |
| | 10MHz | 5MHz | $15.0 < W_{gap} \leq 45.0$ | 12[1] | 5.9 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 32[1] | 0 | |
| | 10MHz | 10MHz | $10.0 < W_{gap} \leq 40.0$ | 12[1] | 4.6 | |
| | | | $0.0 < W_{gap} \leq 10.0$ | 32[1] | 0 | |
| | 10MHz | 15MHz | $5.0 < W_{gap} \leq 35.0$ | 12[1] | 4.1 | |
| | | | $0.0 < W_{gap} \leq 5.0$ | 32[1] | 0 | |
| | 10MHz | 20MHz | $0.0 < W_{gap} \leq 30.0$ | 12[1] | 4.0 | |
| | 15MHz | 5MHz | $10.0 < W_{gap} \leq 40.0$ | 12[11] | 6.7 | |
| | | | $0.0 < W_{gap} \leq 10.0$ | 36[1] | 0 | |
| | 15MHz | 10MHz | $5.0 < W_{gap} \leq 35.0$ | 12[11] | 5.4 | |
| | | | $0.0 < W_{gap} \leq 5.0$ | 36[1] | 0 | |
| | 15MHz | 15MHz | $0.0 < W_{gap} \leq 30.0$ | 12[11] | 4.6 | |
| | 15MHz | 20MHz | $0.0 < W_{gap} \leq 25.0$ | 12[11] | 4.2 | |
| | 20MHz | 5MHz | $0.0 < W_{gap} \leq 35.0$ | 16[12] | 7.2 | |
| | 20MHz | 10MHz | $0.0 < W_{gap} \leq 30.0$ | 16[12] | 5.8 | |
| | 20MHz | 15MHz | $0.0 < W_{gap} \leq 25.0$ | 16[12] | 5.0 | |
| | 20MHz | 20MHz | $0.0 < W_{gap} \leq 20.0$ | 16[12] | 4.6 | |
| DC_3A_n3A | 5MHz | 5MHz | $45.0 < W_{gap} \leq 65.0$ | 12[1] | 4.7 | FDD |
| | | | $0.0 < W_{gap} \leq 45.0$ | 25[1] | 0 | |
| | 5MHz | 10MHz | $40.0 < W_{gap} \leq 60.0$ | 12[1] | 3.8 | |
| | | | $0.0 < W_{gap} \leq 40.0$ | 25[1] | 0 | |
| | 5MHz | 15MHz | $35.0 < W_{gap} \leq 55.0$ | 12[1] | 3.6 | |
| | | | $0.0 < W_{gap} \leq 35.0$ | 25[1] | 0 | |
| | 5MHz | 20MHz | $30.0 < W_{gap} \leq 50.0$ | 12[1] | 3.4 | |
| | | | $0.0 < W_{gap} \leq 30.0$ | 25[1] | 0 | |
| | 10MHz | 5MHz | $30.0 < W_{gap} \leq 60.0$ | 12[5] | 5.1 | |
| | | | $0.0 < W_{gap} \leq 30.0$ | 32[1] | 0 | |
| | 10MHz | 10MHz | $25.0 < W_{gap} \leq 55.0$ | 12[5] | 4.3 | |
| | | | $0.0 < W_{gap} \leq 25.0$ | 32[1] | 0 | |
| | 10MHz | 15MHz | $20.0 < W_{gap} \leq 50.0$ | 12[5] | 3.8 | |
| | | | $0.0 < W_{gap} \leq 20.0$ | 32[1] | 0 | |
| | 10MHz | 20MHz | $15.0 < W_{gap} \leq 45.0$ | 12[5] | 3.5 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 32[1] | 0 | |
| | 15MHz | 5MHz | $25.0 < W_{gap} \leq 55.0$ | 12[6] | 6.0 | |
| | | | $0.0 < W_{gap} \leq 25.0$ | 32[1] | 0 | |
| | 15MHz | 10MHz | $20.0 < W_{gap} \leq 50.0$ | 12[6] | 4.7 | |
| | | | $0.0 < W_{gap} \leq 20.0$ | 32[1] | 0 | |
| | 15MHz | 15MHz | $15.0 < W_{gap} \leq 45.0$ | 12[6] | 4.2 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 32[1] | 0 | |
| | 15MHz | 20MHz | $10.0 < W_{gap} \leq 40.0$ | 12[6] | 3.8 | |
| | | | $0.0 < W_{gap} \leq 10.0$ | 32[1] | 0 | |
| | 20MHz | 5MHz | $15.0 < W_{gap} \leq 50.0$ | 16[7] | 6.5 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 32[1] | 0 | |
| | 20MHz | 10MHz | $10.0 < W_{gap} \leq 45.0$ | 16[7] | 5.1 | |
| | | | $0.0 < W_{gap} \leq 10.0$ | 32[1] | 0 | |
| | 20MHz | 15MHz | $5.0 < W_{gap} \leq 40.0$ | 16[7] | 4.5 | |
| | | | $0.0 < W_{gap} \leq 5.0$ | 32[1] | 0 | |
| | 20MHz | 20MHz | $0.0 < W_{gap} \leq 35.0$ | 16[7] | 4.1 | |
| | 25MHz | 5MHz | $10.0 < W_{gap} \leq 45.0$ | 16[8] | 7.4 | |
| | | | $0.0 < W_{gap} \leq 10.0$ | 32[1] | 0 | |
| | 25MHz | 10MHz | $5.0 < W_{gap} \leq 40.0$ | 16[8] | 5.5 | |
| | | | $0.0 < W_{gap} \leq 5.0$ | 32[1] | 0 | |
| | 25MHz | 15MHz | $0.0 < W_{gap} \leq 35.0$ | 16[8] | 4.9 | |
| | 25MHz | 20MHz | $0.0 < W_{gap} \leq 30.0$ | 16[8] | 4.6 | |

| DC configuration | Aggregated bandwidth | | $W_{gap}$ / (MHz) | UL NR allocation | $\Delta R_{IBNC}$ (dB) | Duplex mode |
|---|---|---|---|---|---|---|
| | NR | E-UTRA | | | | |
| | 30MHz | 5MHz | $5.0 < W_{gap} \leq 40.0$ | 16[9] | 8.3 | |
| | | | $0.0 < W_{gap} \leq 5.0$ | 32[1] | 0 | |
| | 30MHz | 10MHz | $0.0 < W_{gap} \leq 35.0$ | 16[9] | 5.9 | |
| | 30MHz | 15MHz | $0.0 < W_{gap} \leq 30.0$ | 16[9] | 5.5 | |
| | 30MHz | 20MHz | $0.0 < W_{gap} \leq 25.0$ | 16[9] | 4.9 | |
| DC_5A_n5A | 5 MHz | 5 MHz | NOTE 10 | 12[1] | 5.3 | FDD |
| | 10 MHz | 5 MHz | | | 4.4 | |
| | 15 MHz | 5 MHz | | | 6.1 | |
| | 5 MHz | 10 MHz | | | 5.9 | |
| | 10 MHz | 10 MHz | | | 4.6 | |
| DC_7A_n7A | 5MHz | 5MHz | $0< W_{gap} \leqslant 60$ | 25 | 0.0 | FDD |
| | 5MHz | 10MHz | $0 < W_{gap} \leqslant 55$ | 25 | 0.0 | |
| | 5MHz | 15MHz | $0 < W_{gap} \leqslant 50$ | 25 | 0.0 | |
| | 5MHz | 20MHz | $0 < W_{gap} \leqslant 45$ | 25 | 0.0 | |
| | 10MHz | 5MHz | $30 < W_{gap} \leqslant 55$ | 32[1] | 0.0 | |
| | | | $0 < W_{gap} \leqslant 30$ | 50 | 0.0 | |
| | 10MHz | 10MHz | $25.0 < W_{gap} \leq 50.0$ | 32[1] | 0.0 | |
| | | | $0.0 < W_{gap} \leq 25.0$ | 50 | 0.0 | |
| | 10MHz | 15MHz | $20 < W_{gap} \leqslant 45$ | 32[1] | 0.0 | |
| | | | $0 < W_{gap} \leqslant 20$ | 50 | 0.0 | |
| | 10MHz | 20MHz | $15 < W_{gap} \leqslant 40$ | 32[1] | 0.0 | |
| | | | $0 < W_{gap} \leqslant 15$ | 50 | 0.0 | |
| | 15MHz | 5MHz | $20.0 < W_{gap} \leq 50.0$ | 32[1] | 0.0 | |
| | | | $0.0 < W_{gap} \leq 20.0$ | 50[1] | 0.0 | |
| | 15MHz | 10MHz | $20.0 < W_{gap} \leq 45.0$ | 32[1] | 0.0 | |
| | | | $0.0 < W_{gap} \leq 20.0$ | 50[1] | 0.0 | |
| | 15MHz | 15MHz | $15.0 < W_{gap} \leq 40.0$ | 32[1] | 0.0 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 50[1] | 0.0 | |
| | 15MHz | 20MHz | $10 < W_{gap} \leqslant 35$ | 32[1] | 0.0 | |
| | | | $0 < W_{gap} \leqslant 10$ | 50[1] | 0.0 | |
| | 20MHz | 5MHz | $25 < W_{gap} \leqslant 45$ | 32[1] | 0.0 | |
| | | | $0 < W_{gap} \leqslant 25$ | 45[1] | 0.0 | |
| | 20MHz | 10MHz | $20 < W_{gap} \leqslant 40$ | 32[1] | 0.0 | |
| | | | $0 < W_{gap} \leqslant 20$ | 45[1] | 0.0 | |
| | 20MHz | 15MHz | $15.0 < W_{gap} \leq 35.0$ | 36[1] | 0.0 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 50[1] | 0.0 | |
| | 20MHz | 20MHz | $15.0 < W_{gap} \leq 30.0$ | 32[1] | 0.0 | |
| | | | $0.0 < W_{gap} \leq 15.0$ | 45[1] | 0.0 | |
| DC_71A_n71A | 5 MHz | 5 MHz | $5 < W_{gap} \leq 25$ | 5 | 4.0 | FDD |
| | | | $0 < W_{gap} \leq 5$ | 20 | 0 | |
| | 10 MHz | 5 MHz | $5 < W_{gap} \leq 20$ | 5[13] | 4.6 | |
| | | | $0 < W_{gap} \leq 5$ | 20[13] | 2.3 | |
| | 10 MHz | 10 MHz | $5 < W_{gap} \leq 15$ | 5[13] | 4.3 | |
| | | | $0 < W_{gap} \leq 5$ | 20[13] | 3.2 | |
| | 15 MHz | 10 MHz | $5 < W_{gap} \leq 10$ | 5[14] | 22.2 | |
| | | | $0 < W_{gap} \leq 5$ | 20[15] | 5.2 | |

| DC configuration | Aggregated bandwidth | | $W_{gap}$ / (MHz) | UL NR allocation | $\Delta R_{IBNC}$ (dB) | Duplex mode |
|---|---|---|---|---|---|---|
| | NR | E-UTRA | | | | |

NOTE 1: [1] refers to the UL resource blocks shall be located as close as possible to the downlink operating band but confined within the transmission.
NOTE 2: $W_{gap}$ is the sub-block gap between the two sub-blocks.
NOTE 3: The table only applies when the center frequency of NR carrier is higher than the E-UTRA carrier, and the $\Delta R_{IBNC}$ applies to the E-UTRA DL carrier only.
NOTE 4: All combinations of channel bandwidths defined in Table 5.3B.1.3-1.
NOTE 5: [5] refers to the UL resource blocks shall be located at $RB_{start}$=25.
NOTE 6: [6] refers to the UL resource blocks shall be located at $RB_{start}$=35.
NOTE 7: [7] refers to the UL resource blocks shall be located at $RB_{start}$=50.
NOTE 8: [8] refers to the UL resource blocks shall be located at $RB_{start}$=60.
NOTE 9: [9] refers to the UL resource blocks shall be located at $RB_{start}$=75.
NOTE 10: All applicable sub-block gap sizes.
NOTE 11: [11] refers to the UL resource blocks shall be located at $RB_{start}$=39.
NOTE 12: [12] refers to the UL resource blocks shall be located at $RB_{start}$=57.
NOTE 13: [13] Uplink resource block starts at RB position 9 for SCS=15KHz.
NOTE 14: [14] Uplink resource block starts at RB position 2 for SCS=15KHz.
NOTE 15: [15] Uplink resource block starts at RB position 19 for SCS=15KHz.

### 7.3B.3.3 Inter-band EN-DC within FR1

#### 7.3B.3.3.1 $\Delta R_{IB,c}$ for EN-DC in two bands

**Table 7.3B.3.3.1-1: $\Delta R_{IB,c}$ due to EN-DC(two bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_1_n28 | n28 | 0.2 |
| DC_1_n51 | n51 | 0.1 |
| DC_1_n77 | 1 | 0.2 |
| | n77 | 0.5 |
| DC_1_n78 | n78 | 0.5 |
| DC_2_n48 | 2 | 0.2 |
| | n48 | 0.5 |
| DC_2_n66 | 2 | 0.3 |
| | n66 | 0.3 |
| DC_2_n77<br>DC_2-2_n77 | 2 | 0.2 |
| | n77 | 0.5 |
| DC_2_n78 | 2 | 0.2 |
| | n78 | 0.5 |
| DC_3-n41 | n41 | 0[3] |
| | | 0.5[4] |
| DC_3_n51 | 3 | 0.2 |
| | n51 | 0.2 |
| DC_3_n77, DC_3-3_n77 | 3 | 0.2 |
| | n77 | 0.5 |
| DC_3_n78, DC_3-3_n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_5_n77 | 5 | 0.2 |
| | n77 | 0.5 |
| DC_5_n78 | 5 | 0.2 |
| | n78 | 0.5 |
| DC_4_n2 | 4 | 0.3 |
| | n2 | 0.3 |
| DC_4_n28 | n28 | 0.2 |
| DC_4_n38 | 4 | 0.5 |
| | n38 | 0.5 |
| DC_4_n41 | 4 | 0.5 |
| | n41 | 0.5[1] |
| | | 1[2] |
| DC_4_n78 | 4 | 0.2 |
| | n78 | 0.5 |
| DC_5_n12 | 5 | 0.5 |
| | n12 | 0.3 |
| DC_7_n8 | n8 | 0.2 |
| DC_7_n40 | n40 | 0.5 |
| DC_7_n51 | n51 | 0.2 |
| DC_7_n66, DC_7-7_n66 | 7 | 0.5 |
| | n66 | 0.5 |
| DC_7_n71 | n71 | 0.2 |
| DC_7_n77, DC_7-7_n77 | n77 | 0.5 |
| DC_7_n78, DC_7-7_n78 | n78 | 0.5 |
| DC_8_n7 | 8 | 0.2 |
| DC_8_n28 | 8 | 0.2 |
| | n28 | 0.1 |
| DC_8_n77 | 8 | 0.2 |
| | n77 | 0.5 |
| DC_8_n78 | 8 | 0.2 |
| | n78 | 0.5 |
| DC_11_n3 | 11 | 0.3 |
| | n3 | 0.5 |
| DC_11_n28 | n28 | 0.2 |
| DC_11_n77 | n77 | 0.5 |
| DC_11_n78 | n78 | 0.5 |
| DC_12_n5 | 12 | 0.3 |
| | n5 | 0.5 |
| DC_12_n66 | 12 | 0.5 |
| DC_12_n78 | 12 | 0.2 |
| | n78 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_13_n7 | 13 | 0.5 |
| | n7 | 0.5 |
| DC_13_n77 | 13 | 0.2 |
| | n77 | 0.5 |
| DC_13_n78 | 13 | 0.2 |
| | n78 | 0.5 |
| DC_18_n41 | n41 | 0[3] |
| DC_18_n77 | n77 | 0.5 |
| DC_19_n77 | n77 | 0.5 |
| DC_19_n78 | n78 | 0.5 |
| DC_20_n38 | 20 | 0.2 |
| DC_20_n51 | n51 | 0.2 |
| DC_20_n77 | n77 | 0.5 |
| DC_20_n78 | n78 | 0.5 |
| DC_21_n77 | n77 | 0.5 |
| DC_21_n78 | n78 | 0.5 |
| DC_25_n41, DC_25-25_n41 | n41 | 0[1] |
| | | 0.5[2] |
| DC_26_n77 | n77 | 0.5 |
| DC_26_n78 | n78 | 0.5 |
| DC_28_n1 | 28 | 0.2 |
| DC_28_n8 | 28 | 0.1 |
| | n8 | 0.2 |
| DC_28A_n51 | n51 | 0.2 |
| DC_28_n66 | 28 | 0.2 |
| DC_28_n77 | 28 | 0.2 |
| | n77 | 0.5 |
| DC_28_n78 | 28 | 0.2 |
| | n78 | 0.5 |
| DC_30_n66 | 30 | 0.5 |
| | n66 | 0.4 |
| DC_38_n78 | 38 | 0.4 |
| | n78 | 0.5 |
| DC_39_n40 | 39 | 0.3 |
| | n40 | 0.3 |
| DC_39-n41 | 39 | 0.2 |
| | n41 | 0.2 |
| DC_39_n78 | n78 | 0.5 |
| DC_39_n79 | n79 | 0.5 |
| DC_40_n77 | 40 | 0.4 |
| | n77 | 0.5 |
| DC_40_n78 | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_40_n79 | n79 | 0.5 |
| DC_41_n3 | 41 | 0[3] |
| | | 0.5[4] |
| DC_42_n1 | 42 | 0.5 |
| DC_42_n3 | 42 | 0.5 |
| | n3 | 0.2 |
| DC_42_n28 | 42 | 0.2 |
| | n28 | 0.5 |
| DC_41_n77 | n77 | 0.5 |
| DC_41_n78 | n78 | 0.5 |
| DC_41_n79 | n79 | 0.5 |
| DC_42_n51 | n51 | 0.2 |
| DC_48_n25 | 48 | 0.5 |
| | n25 | 0.2 |
| DC_48_n46 | 48 | 0.5 |
| DC_48_n66 | 48 | 0.5 |
| | n66 | 0.2 |
| DC_66_n2 | 66 | 0.3 |
| | n2 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_66_n7 | 66 | 0.5 |
| | n7 | 0.5 |
| DC_66_n12 | 66 | 0.5 |
| DC_66_n25 | 66 | 0.3 |
| | n25 | 0.3 |
| DC_66_n28 | n28 | 0.2 |
| DC_66_n38 | 66 | 0.5 |
| | n38 | 0.5 |
| DC_66_n41 | 66 | 0.5 |
| | n41 | 0.5[1] |
| | | 1[2] |
| DC_66_n48,<br>DC_66-66_n48 | 66 | 0.2 |
| | n48 | 0.5 |
| DC_66_n77<br>DC_66-66_n77<br>DC_66-66-66_n77 | 66 | 0.2 |
| | n77 | 0.5 |
| DC_66_n78 | 66 | 0.2 |
| | n78 | 0.5 |
| DC_71_n38 | 71 | 0.2 |
| DC_71_n78 | 71 | 0.2 |
| | n78 | 0.5 |

NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 – 2690 MHz.
NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 – 2545 MHz.
NOTE 3: Applicable for the frequency range of 2515 – 2690 MHz.
NOTE 4: Applicable for the frequency range of 2496 – 2515 MHz.
NOTE 5: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx.

### 7.3B.3.3.2 $\Delta R_{IB,c}$ for EN-DC three bands

**Table 7.3B.3.3.2-1: $\Delta R_{IB,c}$ due to EN-DC (three bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3_n28 | n28 | 0.2 |
| DC_1_n3-n28 | n28 | 0.2 |
| DC_1-3_n41<br>DC_1-41_n3<br>DC_1_n3-n41 | n41 or 41 | 0[1] |
| | | 0.5[2] |
| DC_1-3_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1_n3-n78 | 1 | 0.2 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_1-5_n78 | 1 | 0.2 |
| | 5 | 0.2 |
| | n78 | 0.5 |
| DC_1-7_n8 | n8 | 0.2 |
| DC_1-7_n28 | n28 | 0.2 |
| DC_1-7_n40 | 7 | 0.3 |
| | n40 | 0.8 |
| DC_1-7_n78<br>DC_1-7-7_n78<br>DC_1_n7-n78 | 1 | 0.2 |
| | 7 or n7 | 0.2 |
| | n78 | 0.5 |
| DC_1-8_n28 | 8 | 0.2 |
| | n28 | 0.2 |
| DC_1_n8-n40 | n8 | 0.2 |
| | n40 | 0.5 |
| DC_1-8_n77 | 8 | 0.2 |
| | n77 | 0.5 |
| DC_1-8_n78 | 8 | 0.2 |
| | n78 | 0.5 |
| DC_1_n8-n78 | 1 | 0.2 |
| | n8 | 0.2 |
| | n78 | 0.5 |
| DC_1-11_n3 | 11 | 0.3 |
| | n3 | 0.5 |
| DC_1-11_n77 | 1 | 0.2 |
| | n77 | 0.5 |
| DC_1-11_n78 | n78 | 0.5 |
| DC_1-18_n77 | n77 | 0.5 |
| DC_1-18_n78 | n78 | 0.5 |
| DC_1-19_n77 | n77 | 0.5 |
| DC_1-19_n78 | n78 | 0.5 |
| DC_1-19_n79 | 1 | 0.3 |
| | 19 | 0.3 |
| DC_1-20_n28 | 20 | 0.2 |
| | n28 | 0.2 |
| DC_1-20_n78 | n78 | 0.5 |
| DC_1-21_n77 | n77 | 0.5 |
| DC_1-21_n78 | 1 | 0.2 |
| | n78 | 0.5 |
| DC_1-20_n38 | 20 | 0.2 |
| DC_1-28-n3 | 28 | 0.2 |
| DC_1-28_n7 | 28 | 0.2 |
| DC_1_n28-n40 | n28 | 0.2 |
| DC_1-28_n40 | 28 | 0.2 |
| DC_1-28_n77 | 28 | 0.2 |
| | n77 | 0.5 |
| DC_1_n28-n77 | 1 | 0.2 |
| | n28 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n77 | 0.5 |
| DC_1-28_n78<br>DC_1_n28-n78 | 28 or n28 | 0.2 |
| | n78 | 0.5 |
| DC_1_n28-n79 | 1 | 0.3 |
| | 28 | 0.3 |
| DC_1-32_n28 | n28 | 0.2 |
| DC_1-32_n78 | n78 | 0.5 |
| DC_1-40-n78 | 1 | 0.2 |
| | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_1-41_n78<br>DC_1_n41-n78 | n78 | 0.5 |
| DC_1-41_n3 | 41 | 0[1]/0.5[2] |
| DC_1-41_n28 | n28 | 0.2 |
| DC_1-41_n77<br>DC_1_n41-n77 | n77 | 0.5 |
| DC_1-41_n78 | n78 | 0.5 |
| DC_1-42_n3 | 42 | 0.5 |
| | n3 | 0.2 |
| DC_1-42_n28 | 42 | 0.5 |
| | n28 | 0.5 |
| DC_1-42_n77 | 1 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-42_n78 | 1 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-42_n79 | 42 | 0.5 |
| DC_1_n75-n78 | n78 | 0.5 |
| DC_1_n77-n79 | 1 | 0.2 |
| | n77 | 0.5 |
| DC_1_SUL_n77-n80 | 1 | 0.2 |
| | n77 | 0.5 |
| DC_1_SUL_n77-n84 | 1 | 0.2 |
| | n77 | 0.5 |
| DC_1_n78-n79 | n78 | 0.5 |
| DC_1_SUL_n78-n80 | 1 | 0.2 |
| | n78 | 0.5 |
| DC_1-SUL_n78-n84 | n78 | 0.5 |
| DC_2-4-n28 | 2 | 0.3 |
| | 4 | 0.3 |
| | n28 | 0.5 |
| DC_2-4_n38 | 2 | 0.3 |
| | 4 | 0.5 |
| | n38 | 0.5 |
| DC_2-4_n41 | 2 | 0.3 |
| | 4 | 0.5 |
| | n41 | 0.5 |
| DC_2-5_n12 | 5 | 0.5 |
| | n12 | 0.3 |
| DC_2-5_n48 | 2 | 0.2 |
| | n48 | 0.5 |
| DC_2-5_n66<br>DC_2-5-5_n66 | 2 | 0.3 |
| | n66 | 0.3 |
| DC_2-5_n77 | 2 | 0.2 |
| | 5 | 0.2 |
| | n77 | 0.5 |
| DC_2_n5-n77 | 2 | 0.2 |
| | n77 | 0.5 |
| DC_2-7_n38<br>DC_2-2-7_n38 | n38 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_2-7_n66<br>DC_2-7-7_n66<br>DC_2_n7-n66 | 2 | 0.3 |
| | 7/n7 | 0.5 |
| | n66 | 0.5 |
| DC_2-7_n71 | n71 | 0.2 |
| DC_2-7_n77<br>DC_2-7-7_n77 | 2 | 0.2 |
| | 7 | 0.5 |
| | n77 | 0.5 |
| DC_2_n7-n78 | 2 | 0.2 |
| | n7 | 0.5 |
| | n78 | 0.5 |
| DC_2-12_n5 | 12 | 0.3 |
| | n5 | 0.5 |
| DC_2-12_n66, DC_2-2-12_n66 | 2 | 0.3 |
| | 12 | 0.5 |
| | n66 | 0.3 |
| DC_2-13_n48 | 2 | 0.2 |
| | n48 | 0.5 |
| DC_2-13_n66<br>DC_2-2-13_n66 | 2 | 0.3 |
| | n66 | 0.3 |
| DC_2-13_n77 | 2 | 0.2 |
| | 13 | 0.2 |
| | n77 | 0.5 |
| DC_2-14_n66<br>DC_2-2-14_n66 | 2 | 0.3 |
| | n66 | 0.3 |
| DC_2-28_n66 | 2 | 0.3 |
| | 28 | 0.2 |
| | n66 | 0.3 |
| DC_2-29_n66<br>DC_2-2-29_n66 | 2 | 0.3 |
| | n66 | 0.3 |
| DC_2-30_n5, DC_2-2-30_n5 | 2 | 0.4 |
| | 30 | 0.5 |
| DC_2-30_n66, DC_2-2-30_n66 | 2 | 0.4 |
| | 30 | 0.5 |
| | n66 | 0.4 |
| DC_2_n38-n66 | 2 | 0.3 |
| | n38 | 0.5 |
| | n66 | 0.5 |
| DC_2_n38-n78 | 2 | 0.5 |
| | n7 | 0.5 |
| | n78 | 0.5 |
| DC_2_n41-n66 | 2 | 0.3 |
| | n41 | 0.5 |
| | n66 | 0.5 |
| DC_2-48_n5 | 2 | 0.2 |
| | n5 | 0.5 |
| DC_2-48_n12 | 2 | 0.2 |
| | 48 | 0.5 |
| DC_2-48_n48 | 2 | 0.2 |
| | 48 | 0.5 |
| | n48 | 0.5 |
| DC_2-48_n66 | 2 | 0.3 |
| | 48 | 0.5 |
| | n66 | 0.3 |
| DC_2-48_n77 | 48 | 0.2 |
| | n77 | 0.1 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_2-48_n71 | 2 | 0.2 |
| | 48 | 0.5 |
| DC_2-66_n5<br>DC_2-2-66_n5<br>DC_2-66-66_n5<br>DC_2-2-66-66_n5<br>DC_2-66-66-66_n5 | 2 | 0.3 |
| | 66 | 0.3 |
| DC_2-66-n7 | 2 | 0.3 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-66_n12 | 2 | 0.3 |
| | 66 | 0.3 |
| | n12 | 0.5 |
| DC_2-66_n25 | 2 | 0.3 |
| | 66 | 0.3 |
| | n25 | 0.3 |
| DC_2-66-n28 | 2 | 0.3 |
| | 66 | 0.3 |
| | n28 | 0.2 |
| DC_2-66_n38<br>DC_2-2-66_n38<br>DC_2-66-66_n38 | 2 | 0.3 |
| | 66 | 0.5 |
| | n38 | 0.5 |
| DC_2-66_n41 | 2 | 0.3 |
| | 66 | 0.5 |
| | n41 | 0.5[1] |
| | | 1[2] |
| DC_2-66_n48<br>DC_2-66-66_n48 | 2 | 0.3 |
| | 66 | 0.3 |
| | n48 | 0.5 |
| DC_2-66_n66 | 2 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_2-66_n71<br>DC_2_n66-n71 | 2 | 0.3 |
| | 66 | 0.3 |
| DC_2-66_n77 | 2 | 0.2 |
| | 66 | 0.2 |
| | n77 | 0.5 |
| DC_2_n66-n77<br>DC_2-2_n66-n77 | 2 | 0.3 |
| | 66 | 0.3 |
| | n77 | 0.5 |
| DC_2-66_n78<br>DC_2-66-66_n78<br>DC_2_n66-n78 | 2 | 0.3 |
| | 66 | 0.3 |
| | n78 | 0.5 |
| DC_2-71_n66<br>DC_2-2-71_n66 | 2 | 0.3 |
| | n66 | 0.3 |
| DC_2-71_n78<br>DC_2-2-71_n78 | 2 | 0.2 |
| | 71 | 0.2 |
| | n78 | 0.5 |
| DC_3_n1-n28 | n28 | 0.2 |
| DC_3_n1-n77 | 3 | 0.2 |
| | n1 | 0.2 |
| | n77 | 0.5 |
| DC_3_n1-n78 | 3 | 0.2 |
| | n1 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.5 |
| DC_3_n3-n41 | n41 | 0[1]/0.5[2] |
| DC_3_n3-n77 | 3 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_3_n3-n78 | 3 | 0.2 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_3-5_n78 | 3 | 0.2 |
| | 5 | 0.2 |
| | n78 | 0.5 |
| DC_3-7_n40 | 7 | 0.3 |
| | n40 | 0.8 |
| DC_3-7_n77<br>DC_3-3-7_n77<br>DC_3-7-7_n77<br>DC_3-3-7-7_n77 | 3 | 0.2 |
| | 7 | 0.2 |
| | n77 | 0.5 |
| DC_3-7_n8 | n8 | 0.2 |
| DC_3-7_n78<br>DC_3-7-7_n78<br>DC_3-3-7_n78<br>DC_3-3-7-7_n78<br>DC_3_n7-n78 | 3 | 0.2 |
| | 7 or n7 | 0.2 |
| | n78 | 0.5 |
| DC_3-8_n28 | 8 | 0.2 |
| | n28 | 0.1 |
| DC_3-8_n77 | 3 | 0.2 |
| | 8 | 0.2 |
| | n77 | 0.5 |
| DC_3-8_n78<br>DC_3-3-8_n78<br>DC_3_n8-n78 | 3 | 0.2 |
| | 8 or n8 | 0.2 |
| | n78 | 0.5 |
| DC_3-11_n28 | 3 | 0.3 |
| | 11 | 0.5 |
| | n28 | 0.2 |
| DC_3-11_n77 | 3 | 0.3 |
| | 11 | 0.5 |
| | n77 | 0.5 |
| DC_3-18-n77 | 3 | 0.2 |
| | 18 | 0 |
| | n77 | 0.5 |
| DC_3-18-n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-19_n77 | 3 | 0.2 |
| | n77 | 0.5 |
| DC_3-19_n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-20_n28 | 20 | 0.1 |
| | n28 | 0.1 |
| DC_3-20_n38 | 20 | 0.2 |
| DC_3-20_n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3_n20-n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-21_n1 | 3 | 0.3 |
| | 21 | 0.5 |
| DC_3-21_n77 | 3 | 0.3 |
| | 21 | 0.5 |
| | n77 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_3-21_n78 | 3 | 0.3 |
| | 21 | 0.5 |
| | n78 | 0.5 |
| DC_3-21_n79 | 3 | 0.3 |
| | 21 | 0.5 |
| DC_3-28_n1 | 28 | 0.2 |
| DC_3-28_n5 | 28 | 0.1 |
| | n5 | 0.1 |
| DC_3-28_n41 | n41 | 0[1]/0.5[2] |
| DC_3-28_n77<br>DC_3_n28-n77 | 3 | 0.2 |
| | 28 or n28 | 0.2 |
| | n77 | 0.5 |
| DC_3-28_n78<br>DC_3_n28-n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-32_n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-38_n78 | 3 | 0.2 |
| | 38 | 0.4 |
| | n78 | 0.5 |
| DC_3_n40-n41 | n41 | 0[4] |
| | | 0.5[3] |
| DC_3-40-n78 | 3 | 0.2 |
| | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_3-41_n3 | 41 | 0[3]/0.5[4] |
| DC_3-41_n28 | 3 | 0 |
| | 41 | 0[1]/0.5[2] |
| | n28 | 0 |
| DC_3-41_n41 | 41 | 0[3] |
| | | 0.5[4] |
| | n41 | 0[3] |
| | | 0.5[4] |
| DC_3-(n)41 | 41 | 0[3] |
| | | 0.5[4] |
| | n41 | 0[3] |
| | | 0.5[4] |
| DC_3-41-n77 | 3 | 0.2 |
| | 41 | 0[1] |
| | | 0.5[2] |
| | n77 | 0.5 |
| DC_3-41_n78<br>DC_3_n41-n78 | 3 | 0.2 |
| | 41 or n41 | 0[1] |
| | | 0.5[2] |
| | n78 | 0.5 |
| DC_3-41-n79,<br>DC_3_n41-n79 | 3 | 0.2 |
| | 41 or n41 | 0[1] |
| | | 0.5[2] |
| DC_3_SUL_n41-n80 | n41 | 0.5[3] |
| DC_3-42_n1 | 3 | 0.2 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| DC_3-42_n28 | 3 | 0.2 |
| | 42 | 0.5 |
| | n28 | 0.5 |
| DC_3-42_n77 | 3 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_3-42_n78 | 3 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_3-42_n79 | 3 | 0.2 |
| | 42 | 0.5 |
| DC_3_n75-n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3_n77-n79 | 3 | 0.2 |
| | n77 | 0.5 |
| DC_3_SUL_n77-n80 | 3 | 0.2 |
| | n77 | 0.5 |
| DC_3_SUL_n77-n84 | 3 | 0.2 |
| | n77 | 0.5 |
| DC_3_n78-n79 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-SUL_n78-n80 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-SUL_n78-n82 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3_SUL_n78-n84 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_4-7_n28 | 4 | 0.5 |
| | 7 | 0.5 |
| | n28 | 0.2 |
| DC_5-7_n66 | 7 | 0.5 |
| | n66 | 0.5 |
| DC_5-7_n71 | n71 | 0.2 |
| DC_5-7_n78, DC_5-7-7_n78 , DC_5_n7-n78 | 5 | 0.2 |
| | 7 or n7 | 0.2 |
| | n78 | 0.5 |
| DC_5_(n)12 | 5 | 0.5 |
| | 12 | 0.3 |
| | n12 | 0.3 |
| DC_5_30_n66 | 30 | 0.5 |
| | n66 | 0.4 |
| DC_5-48_n12 | 5 | 0.5 |
| | n12 | 0.3 |
| DC_5-66_n2<br>DC_5-5-66_n2<br>DC_5-66-66_n2<br>DC_5-5-66-66_n2 | 66 | 0.3 |
| | n2 | 0.3 |
| DC_5-66-n7 | 66 | 0.5 |
| | n7 | 0.5 |
| DC_5-66_n12 | 66 | 0.5 |
| | n12 | 0.5 |
| DC_5-66_n48<br>DC_5-66-66_n48 | 66 | 0.2 |
| | n48 | 0.5 |
| DC_5-66_n77 | 5 | 0.2 |
| | 66 | 0.2 |
| | n77 | 0.5 |
| DC_5-66_n78 | 5 | 0.2 |
| | 66 | 0.2 |
| | n78 | 0.5 |
| DC_7_n1-n78 | 7 | 0.2 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_7_n3-n78 | 7 | 0.2 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_7_n7-n78 | 7 | 0.5 |
| | n7 | 0.5 |
| | n78 | 0.5 |
| DC_7-8_n1<br>DC_7-7-8_n1 | 8 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_7-8_n28 | 8 | 0.2 |
| | n28 | 0.1 |
| DC_7_n8-n40<br>DC_7-8_n40 | 8 or n8 | 0.2 |
| | n40 | 0.5 |
| DC_7-8_n3 | 8 | 0.2 |
| DC_7-8_n77 | 8 | 0.2 |
| | n77 | 0.5 |
| DC_7-8_n78<br>DC_7-7-8_n78<br>DC_7_n8-n78 | 8 or n8 | 0.2 |
| | n78 | 0.5 |
| DC_7-13_n66 | 7 | 0.5 |
| | n66 | 0.5 |
| DC_7-20_n28 | 20 | 0.2 |
| | n28 | 0.2 |
| DC_7-20_n78 | n78 | 0.5 |
| DC_7-28_n1 | 28 | 0.2 |
| DC_7_n28-n40 | n40 | 0.5 |
| DC_7-28_n40 | n40 | 0.5 |
| DC_7-28_n66 | 28 | 0.2 |
| DC_7-28_n78 | n78 | 0.5 |
| DC_7_n28-n78 | n78 | 0.5 |
| DC_7-32_n28 | n28 | 0.2 |
| DC_7-32_n78 | n78 | 0.5 |
| DC_7-40_n1<br>DC_7_n1-n40 | 7 | 0.3 |
| | 40 or n40 | 0.8 |
| DC_7-40-n78 | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_7-46_n78 | n78 | 0.5 |
| DC_7-66_n7<br>DC_7-66-66_n7 | 7 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_7-66-n28 | 7 | 0.5 |
| | 66 | 0.5 |
| | n28 | 0.2 |
| DC_7-66_n38 | n38 | 0.2 |
| DC_7-66_n66<br>DC_7-7-66_n66 | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_7-66_n77<br>DC_7-7-66_n77 | 7 | 0.5 |
| | 66 | 0.5 |
| | n77 | 0.5 |
| DC_7_n66-n78<br>DC_7-7_n66-n78 | 7 | 0.5 |
| | n66 | 0.5 |
| | n78 | 0.5 |
| DC_7-66_n71<br>DC_7-66-66_n71 | 7 | 0.5 |
| | 66 | 0.5 |
| | n71 | 0.1 |
| DC_7_SUL_n78-n80 | 7 | 0.2 |
| | n78 | 0.5 |
| DC_8_n3-n77 | 8 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_8_n1-n78 | 8 | 0.2 |
| | n78 | 0.5 |
| DC_8_n3-n28 | 8 | 0.2 |
| | n28 | 0.1 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_8-11_n3 | 11 | 0.3 |
| | n3 | 0.5 |
| DC_8-11_n28 | 8 | 0.2 |
| | n28 | 0.2 |
| DC_8-11_n77 | 8 | 0.2 |
| | n77 | 0.5 |
| DC_8-11_n78 | 8 | 0.2 |
| | n78 | 0.2 |
| DC_8-20_n78 | 8 | 0.2 |
| | n78 | 0.5 |
| DC_8-40_n1 | 8 | 0.2 |
| | 40 | 0.5 |
| DC_8-40-n78 | 8 | 0.2 |
| | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_8-42_n3 | 8 | 0.2 |
| | 42 | 0.5 |
| | n3 | 0.2 |
| DC_8-42_n28 | 8 | 0.2 |
| | 42 | 0.5 |
| | n28 | 0.5 |
| DC_8-42_n77 | 8 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_8_SUL_n78-n80 | 8 | 0.2 |
| | n78 | 0.5 |
| DC_8_n28-n77 | 8 | 0.2 |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_8A-SUL_n78-n81 | 8 | 0.2 |
| | n78 | 0.2 |
| DC_11_n3-n28 | 11 | 0.3 |
| | n3 | 0.5 |
| | n28 | 0.2 |
| DC_11_n3-n77 | 11 | 0.3 |
| | n3 | 0.5 |
| | n77 | 0.5 |
| DC_11-18_n77 | n77 | 0.5 |
| DC_11-18_n78 | n78 | 0.5 |
| DC_11_n28-n77 | 11 | 0.0 |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_12_(n)5 | 5 | 0.5 |
| | 12 | 0.3 |
| | n5 | 0.5 |
| DC_12_n7-n66 | 12 | 0.5 |
| | n7 | 0.5 |
| | n66 | 0.5 |
| DC_12_n7-n78 | 12 | 0.2 |
| | n7 | 0.5 |
| | n78 | 0.5 |
| DC_12-30_n2 | 30 | 0.5 |
| | n2 | 0.4 |
| DC_12-30_n66 | 12 | 0.5 |
| | 30 | 0.5 |
| | n66 | 0.4 |
| DC_12-48_n5 | 12 | 0.3 |
| | n5 | 0.5 |
| DC_12-66_n2 | 12 | 0.5 |
| | 66 | 0.3 |
| | n2 | 0.3 |
| DC_12-66_n5 | 12 | 0.5 |
| | 66 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_12-66_n25 | 12 | 0.5 |
| | 66 | 0.3 |
| | n25 | 0.3 |
| DC_13_n2-n77 | n2 | 0.2 |
| | n77 | 0.5 |
| DC_13_n5-n48 | 13 | 0.3 |
| | n5 | 0.5 |
| DC_13-48_n2 | 48 | 0.5 |
| | n2 | 0.2 |
| DC_13-48_n66<br>DC_13_n48-n66 | 48/n48 | 0.5 |
| | n66 | 0.2 |
| DC_13-66_n2<br>DC_13-66-66_n2 | 66 | 0.3 |
| | n2 | 0.3 |
| DC_13-66_n48<br>DC_13-66-66_n48 | 66 | 0.2 |
| | n48 | 0.5 |
| DC_13-66_n77 | 13 | 0.3 |
| | 66 | 0.3 |
| | n77 | 0.5 |
| DC_13_n66-n77 | n66 | 0.2 |
| | n77 | 0.5 |
| DC_18_n3-n77 | n3 | 0.2 |
| | n77 | 0.5 |
| DC_14-66_n2<br>DC_14-66-66_n2 | 66 | 0.3 |
| | n2 | 0.3 |
| DC_18_n3-n78 | 18 | 0 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_18-28_n77<br>DC_18_n28-n77 | n77 | 0.5 |
| DC_18-28_n78<br>DC_18_n28-n78 | n78 | 0.5 |
| DC_18-41_n3 | 41 | $0^1/0.5^2$ |
| DC_18-41_n77<br>DC_18_n41-n77 | n77 | 0.5 |
| DC_18-41_n78<br>DC_18_n41-n78 | n78 | 0.5 |
| DC_18-42_n77 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_18-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_18-42_n79 | 42 | 0.5 |
| DC_19_n1-n77 | n77 | 0.5 |
| DC_19_n1-n78 | n78 | 0.5 |
| DC_19_n1-n79 | 19 | 0.3 |
| | n1 | 0.3 |
| DC_19-21_n77 | n77 | 0.5 |
| DC_19-21_n78 | n78 | 0.5 |
| DC_19-42_n1 | 42 | 0.5 |
| DC_19-42_n77 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_19-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_19-42_n79 | 42 | 0.5 |
| DC_19_n77-n79 | n77 | 0.5 |
| DC_19_n78-n79 | n78 | 0.5 |
| DC_20_n1-n28 | n1 | 0.2 |
| | n28 | 0.2 |
| DC_20_n1-n78 | n78 | 0.5 |
| DC_20_n3-n78 | n3 | 0.2 |
| | n78 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_20_n7-n28 | 20 | 0.2 |
| | n28 | 0.2 |
| DC_20-28_n3 | 2 | 0.3 |
| | 28 | 0.2 |
| | n3 | 0.3 |
| DC_20_n28-n75 | n28 | 0.2 |
| DC_20_n28-n78 | 20 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_20-32_n28 | n28 | 0.2 |
| DC_20-32_n78 | n78 | 0.5 |
| DC_20-38_n78 | 38 | 0.4 |
| | n78 | 0.5 |
| DC_20_n41-n78 | n78 | 0.5 |
| DC_20-(n)41 | 20 | 0.3 |
| | 41 | 0.3 |
| | n41 | 0.3 |
| DC_20_n75-n78 | n78 | 0.5 |
| DC_20_n76-n78 | n78 | 0.5 |
| DC_20_SUL_n78-n80 | n78 | 0.5 |
| DC_20-SUL_n78-n82 | n78 | 0.5 |
| DC_20-SUL_n78-n83 | 20 | 0.2 |
| | n78 | 0.5 |
| DC_20_n78-n92 | n78 | 0.5 |
| DC_21_n1-n77 | n77 | 0.5 |
| DC_21_n1-n78 | n1 | 0.2 |
| | n78 | 0.5 |
| DC_21-42_n1 | 42 | 0.5 |
| DC_21-42_n77 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_21-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_21-42_n79 | 42 | 0.5 |
| DC_21_n77-n79 | n77 | 0.5 |
| DC_21_n78-n79 | n78 | 0.5 |
| DC_25-41_n41<br>DC_25_(n)41<br>DC_25-25-41_n41<br>DC_25-25_(n)41 | 41 | 0[1] |
| | | 0.5[2] |
| | n41 | 0[1] |
| | | 0.5[2] |
| DC_28-SUL_n78-n83 | 28 | 0.2 |
| | n78 | 0.5 |
| DC_28_n1-n40 | 28 | 0.2 |
| DC_28_n1-n78 | 28 | 0.2 |
| | n78 | 0.5 |
| DC_28_n3-n77 | 28 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_28_n3-n78 | 28 | 0 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_28_n7-n78 | n78 | 0.5 |
| DC_28_n40-n78 | 28 | 0.2 |
| | n40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_28-41_n77 | 28 | 0.2 |
| | n77 | 0.5 |
| DC_28-41_n78 | 28 | 0.2 |
| | n78 | 0.5 |
| DC_28-41_n79 | n79 | 0.5 |
| DC_28-42_n77 | 28 | 0.2 |
| | 42 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n77 | 0.5 |
| DC_28-42_n78 | 28 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_28-42_n79 | 28 | 0.2 |
| | 42 | 0.5 |
| DC_28-66_n7 | 28 | 0.2 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_28-66_n66 | 28 | 0.2 |
| DC_29-66_n2<br>DC_29-66-66_n2 | 66 | 0.3 |
| | n2 | 0.3 |
| DC_30-66_n2 | 30 | 0.5 |
| | 66 | 0.4 |
| | n2 | 0.4 |
| DC_30-66_n5<br>DC_30-66-66_n5<br>DC_30-66-66-66_n5 | 66 | 0.4 |
| | n5 | 0.5 |
| DC_39_n40-n79 | 39 | 0.3 |
| | n40 | 0.3 |
| | n79 | 0.5 |
| DC_39_n41-n79 | 39 | 0.2 |
| | n41 | 0.2 |
| | n79 | 0.5 |
| DC_41_n3-n41 | 41 | $0^{3}/0.5^{4}$ |
| | n41 | $0^{3}/0.5^{4}$ |
| DC_41_n3-n77 | 41 | $0^{3}/0.5^{4}$ |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_41_n3-n78 | 41 | $0^{3}/0.5^{4}$ |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_41_n28-n41 | 41 | $0^{3}/0.5^{4}$ |
| | n41 | $0^{3}/0.5^{4}$ |
| DC_41_n28-n77 | n28 | 0.2 |
| | n77 | 0.5 |
| DC_41_n28-n78 | n28 | 0.2 |
| | n78 | 0.5 |
| DC_41_n41-n77 | n77 | 0.5 |
| DC_41_n41-n78 | n78 | 0.5 |
| DC_(n)41-n78 | n78 | 0.5 |
| DC_41-42_n77 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_41-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_41-42_n79 | 42 | 0.5 |
| DC_42_n1-n77 | 42 | 0.5 |
| | n1 | 0.2 |
| | n77 | 0.5 |
| DC_42_n1-n78 | 42 | 0.5 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_42_n1-n79 | 42 | 0.5 |
| DC_42_n3-n28 | 42 | 0.5 |
| | n3 | 0.2 |
| | n28 | 0.5 |
| DC_42_n3-n77 | 42 | 0.5 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_42_n28-n77 | 42 | 0.2 |
| | n28 | 0.5 |
| | n77 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_48_n25-n48 | 48 | 0.4 |
| | n25 | 0.3 |
| | n48 | 0.4 |
| DC_48_n48-n66 | 48 | 0.4 |
| | n48 | |
| | n66 | 0.3 |
| DC_46-66_n41 | 66 | 0.5 |
| | n41 | 0.5[1] |
| | | 1[2] |
| DC_48-66_n5 | 48 | 0.5 |
| | 66 | 0.2 |
| DC_48-66_n12 | 48 | 0.5 |
| | 66 | 0.2 |
| DC_48-66_n25 | 48 | 0.5 |
| | 66 | 0.2 |
| | n25 | 0.2 |
| DC_48-66_n48 | 66 | 0.2 |
| | 48 | 0.5 |
| | n48 | 0.5 |
| DC_48-66_n71 | 48 | 0.5 |
| | 66 | 0.2 |
| DC_66_n2-n77 | 66 | 0.3 |
| | n2 | 0.3 |
| | n77 | 0.5 |
| DC_66_n5-n48 | 66 | 0.2 |
| | n48 | 0.5 |
| DC_66_n5-n77 | 66 | 0.2 |
| | n77 | 0.5 |
| DC_66_n7-n78 | 66 | 0.2 |
| | n7 | 0.5 |
| | n78 | 0.5 |
| DC_66_n25-n41 | 66 | 0.5 |
| | n25 | 0.5 |
| | n41 | 0.5[1] |
| | | 1[2] |
| DC_66_n25-n48 | 66 | 0.3 |
| | n25 | 0.3 |
| | n48 | 0.4 |
| DC_66_n25-n71 | 66 | 0.3 |
| | n25 | 0.5 |
| DC_66_n38-n66 | 66 | 0.5 |
| | n38 | 0.5 |
| | n66 | 0.5 |
| DC_66_n38-n78 | 66 | 0.5 |
| | n38 | 0.5 |
| | n78 | 0.5 |
| DC_66_n41-n71 | 66 | 0.5 |
| | n41 | 0.5[1] |
| | | 1[2] |
| | n71 | 0.5 |
| DC_66_n66-n77 | 66 | 0.2 |
| | n66 | 0.2 |
| | n77 | 0.5 |
| DC_66_n66-n78 | 66 | 0.2 |
| | n66 | 0.2 |
| | n78 | 0.5 |
| DC_66-71_n38 | 66 | 0.5 |
| | 71 | 0.5 |
| | n38 | 0.5 |
| DC_66-71_n78 | 66 | 0.2 |
| | 71 | 0.2 |
| | n78 | 0.5 |
| DC_66-SUL_n78-n86 | 66 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.5 |

NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 – 2690 MHz.
NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 – 2545 MHz.
NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz.
NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.
NOTE 5: Only applicable for UE supporting inter-band carrier aggregation with uplink in one NR band and without simultaneous Rx/Tx.
NOTE 6: This band is subject to IMD3 also which MSD is not specified.

### 7.3B.3.3.3 $\Delta R_{IB,c}$ for EN-DC four bands

**Table 7.3B.3.3.3-1: $\Delta R_{IB,c}$ due to EN-DC (four bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3_n3-n41 | n41 | 0[3]/0.5[4] |
| DC_1-3_n3-n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3_n3-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-5_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-7_n28 | n28 | 0.2 |
| DC_1-3-7_n40 | 7 | 0.3 |
| | n40 | 0.8 |
| DC_1-3-7_n78<br>DC_1-3-7-7_n78<br>DC_1-3_n7-n78 | 1 | 0.3 |
| | 3 | 0.3 |
| | 7 or n7 | 0.3 |
| | n78 | 0.5 |
| DC_1-3-8_n28 | 8 | 0.2 |
| | n28 | 0.2 |
| DC_1-3-8_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 8 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-8_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 8 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-11_n28 | 3 | 0.3 |
| | 11 | 0.5 |
| | n28 | 0.2 |
| DC_1-3-11_n77 | 1 | 0.2 |
| | 3 | 0.3 |
| | 11 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-18_n28 | n28 | 0.2 |
| DC_1-3-18_n41 | n41 | 0.2[6] |
| DC_1-3-28_n5 | 28 | 0.2 |
| | n5 | 0.2 |
| DC_1-3-28_n7 | 28 | 0.2 |
| DC_1-3-28_n40 | 28 | 0.2 |
| DC_1-3-28_n77<br>DC_1-3_n28-n77<br>DC_1_n3-n28-n77 | 1 | 0.2 |
| | 3 or n3 | 0.2 |
| | 28 or n28 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-28_n78<br>DC_1-3_n28-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 or n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-28_n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 | 0.2 |
| DC_1-3-18_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-18_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3-19_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-20_n28 | 20 | 0.2 |
| | n28 | 0.2 |
| DC_1-3-20_n41 | n41 | 0[1] |
| | | 0.5[2] |
| DC_1-3-20_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-21_n77 | 1 | 0.2 |
| | 3 | 0.3 |
| | 21 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-21_n78 | 1 | 0.2 |
| | 3 | 0.3 |
| | 21 | 0.5 |
| | n78 | 0.5 |
| DC_1-3-21_n79 | 3 | 0.3 |
| | 21 | 0.5 |
| DC_1-3-32_n78 | n78 | 0.5 |
| DC_1-3-28_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-28_n78<br>DC_1-3_n28-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 or n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-28_n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 | 0.2 |
| DC_1-3_n38-n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-40_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 40 | 0.4[8] |
| | n78 | 0.5[8] |
| DC_1-3_n40-n78 | 3 | 0.2 |
| | n40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_1-3-41_n3 | 41 | 0[3]/0.5[4] |
| DC_1-3-41_n28 | 41 | 0[3]/0.5[4] |
| | n28 | 0.2 |
| DC_1-3-41_n41 | 41 | 0[3]/0.5[4] |
| | n41 | 0[3]/0.5[4] |
| DC_1-3_(n)41 | 41 | 0[3]/0.5[4] |
| | n41 | 0[3]/0.5[4] |
| DC_1-3-41_n77<br>DC_1-3_n41-n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-41_n78<br>DC_1-3_n41-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-41_n79 | 41 | 0[3]/0.5[4] |
| DC_1-3-42_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-42_n78 | 1 | 0.2 |
| | 3 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-3-42_n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| DC_1-3_n77-n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3_n78-n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1-3_SUL_n78-n80 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1-5-7_n78<br>DC_1-5-7-7_n78 | 1 | 0.2 |
| | 5 | 0.2 |
| | 7 | 0.2 |
| | n78 | 0.5 |
| DC_1-7_n3-n78 | n78 | 0.5 |
| DC_1-7_n7-n78 | 1 | 0.2 |
| | 7 | 0.2 |
| | n7 | 0.2 |
| | n78 | 0.5 |
| DC_1-7-8_n28 | 8 | 0.2 |
| | n28 | 0.2 |
| DC_1-7-8_n78 | 1 | 0.2 |
| | 7 | 0.2 |
| | 8 | 0.2 |
| | n78 | 0.5 |
| DC_1-7-20_n28 | 20 | 0.2 |
| | n28 | 0.2 |
| DC_1-7-20_n78 | 1 | 0.2 |
| | 7 | 0.2 |
| | 20 | 0.2 |
| | n78 | 0.5 |
| DC_1-7-28_n3 | 28 | 0.2 |
| DC_1-7-28_n5 | 28 | 0.2 |
| | n5 | 0.2 |
| DC_1-7-28_n7 | 28 | 0.2 |
| DC_1-7-28_n40 | 7 | 0.3 |
| | 28 | 0.2 |
| | n40 | 0.8 |
| DC_1-7-28_n78 | 1 | 0.2 |
| | 7 | 0.2 |
| | 28 | 0.2 |
| | n78 | 0.5 |
| DC_1-7_n28-n78 | 1 | 0.2 |
| | 7 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-7-32_n28 | n28 | 0.2 |
| DC_1-7-40_n78 | 1 | 0.2 |
| | 40 | 0.4[8] |
| | n78 | 0.5[8] |
| DC_1-7_n40-n78 | 1 | 0.2 |
| | n40 | 0.4 |
| | n78 | 0.5 |
| DC_1-8_n3-n28 | 8 | 0.2 |
| | n28 | 0.2 |
| DC_1-8_n3-n77 | 1 | 0.2 |
| | 8 | 0.2 |
| | n3 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n77 | 0.5 |
| DC_1-8-11_n3 | 11 | 0.3 |
| | n3 | 0.5 |
| DC_1-8-11_n28 | 8 | 0.2 |
| | n28 | 0.2 |
| DC_1-8-11_n77 | 1 | 0.2 |
| | 8 | 0.2 |
| | n77 | 0.5 |
| DC_1-8-11_n78 | 8 | 0.2 |
| | n78 | 0.5 |
| DC_1-8-20_n78 | 8 | 0.2 |
| | n78 | 0.5 |
| DC_1-8_n28-n77 | 1 | 0.2 |
| | 8 | 0.2 |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_1-8_n40-n78 | 1 | 0 |
| | 8 | 0.2 |
| | n40 | 0.4 |
| | n78 | 0.5 |
| DC_1-8-40_n78 | 1 | 0.2 |
| | 8 | 0.2 |
| | 40 | 0.4[8] |
| | n78 | 0.5[8] |
| DC_1-8-42_n28 | 8 | 0.2 |
| | 42 | 0.5 |
| | n28 | 0.5 |
| DC_1-8-42_n77 | 1 | 0.2 |
| | 8 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-11_n3-n28 | 11 | 0.3 |
| | n3 | 0.5 |
| | n28 | 0.2 |
| DC_1-18_n3-n77 | 1 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_1-18_n3-n78 | 1 | 0.2 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_1-11-18_n77 | 1 | 0.2 |
| | n77 | 0.5 |
| DC_1-11-18_n78 | n78 | 0.5 |
| DC_1-18_n28-n41 | n28 | 0.2 |
| DC_1-18-28_n77<br>DC_1-18_n28-n77 | n77 | 0.5 |
| DC_1-18-28_n78<br>DC_1-18_n28-n78 | n78 | 0.5 |
| DC_1-18-41_n3 | 41 | 0[3]/0.5[4] |
| DC_1-18-41_n3 | 41 | 0[6]/0.5[7] |
| DC_1-18-41_n77<br>DC_1-18_n41-n77 | 1 | 0.2 |
| | n77 | 0.5 |
| DC_1-18-41_n78<br>DC_1-18_n41-n78 | n78 | 0.5 |
| DC_1-18-42_n77 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-18-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-18-42_n79 | 42 | 0.5 |
| DC_1-19-42_n77 | 1 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-19-42_n78 | 42 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.5 |
| DC_1-19-42_n79 | 42 | 0.5 |
| DC_1-19_n77-n79 | 1 | 0.3 |
| | 19 | 0.3 |
| | n77 | 0.5 |
| DC_1-19_n78-n79 | 1 | 0.3 |
| | 19 | 0.3 |
| | n78 | 0.5 |
| DC_1-20_n3-n78 | n78 | 0.5 |
| DC_1-20_n28-n78 | 20 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-20-38_n78 | 38 | 0.4 |
| | n78 | 0.5 |
| DC_1-20_n41-n78 | n78 | 0.5 |
| DC_1-21-42_n77 | 1 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-21-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-21-42_n79 | 42 | 0.5 |
| DC_1-21_n77-n79 | n77 | 0.5 |
| DC_1-21_n78-n79 | n78 | 0.5 |
| DC_1-28_n3-n77 | 1 | 0.2 |
| | 28 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_1-28_n3-n78 | 1 | 0.2 |
| | 28 | 0.2 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_1-28_n40-n78 | 28 | 0.2 |
| | n40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_1-28-42_n77 | 1 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-28-42_n78 | 28 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-28_n7-n78 | 1 | 0.2 |
| | 28 | 0.2 |
| | n7 | 0.2 |
| | n78 | 0.5 |
| DC_1-28-42_n79 | 28 | 0.2 |
| | 42 | 0.5 |
| DC_1-41_n3-n41 | 41 | 0[3]/0.5[4] |
| | n41 | 0[3]/0.5[4] |
| DC_1-41_n3-n77 | 1 | 0.2 |
| | 41 | 0[3]/0.5[4] |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_1-41_n3-n78 | 1 | 0.2 |
| | 41 | 0[3]/0.5[4] |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_1-41_n28-n41 | 41 | 0[3]/0.5[4] |
| | n41 | 0[3]/0.5[4] |
| DC_1-41_n28-n77 | 1 | 0.2 |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_1-41_n28-n78 | n28 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.5 |
| DC_1-41_n41-n77 | n77 | 0.5 |
| DC_1-41_n41-n78 | n78 | 0.5 |
| DC_1-41-42_n77 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-41-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-41-42_n79 | 42 | 0.5 |
| DC_1-41-42_n79 | 42 | 0.5 |
| DC_1-42_n28-n77 | 1 | 0.2 |
| | 42 | 0.5 |
| | n28 | 0.5 |
| | n77 | 0.5 |
| DC_1-42_n77-n79 | 1 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-42_n78-n79 | 1 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_2-4-7_n28 | 2 | 0.3 |
| | 4 | 0.5 |
| | 7 | 0.5 |
| | n28 | 0.2 |
| DC_2-5-7_n66<br>DC_2-5-7-7_n66 | 2 | 0.3 |
| | 7 | 0.5 |
| | n66 | 0.5 |
| DC_2-5_(n)12 | 5 | 0.5 |
| | 12 | 0.3 |
| | n12 | 0.3 |
| DC_2-12_(n)5 | 5 | 0.5 |
| | 12 | 0.5 |
| DC_2-5-48_n12 | 2 | 0.2 |
| | 5 | 0.5 |
| | 48 | 0.5 |
| | n12 | 0.3 |
| DC_2-5-48_n71 | 2 | 0.2 |
| | 48 | 0.5 |
| DC_2-5-66_n2 | 2 | 0.3 |
| | 66 | 0.3 |
| | n2 | 0.3 |
| DC_2-5-66_n5 | 2 | 0.3 |
| | 66 | 0.3 |
| DC_2-5-66_n7 | 2 | 0.3 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-5-66_n12 | 2 | 0.2 |
| | 5 | 0.5 |
| | 66 | 0.5 |
| | n12 | 0.3 |
| DC_2-5-66_n66 | 2 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_2-5-66_n71 | 2 | 0.3 |
| | 66 | 0.3 |
| DC_2-5-66_n77<br>DC_2-2-5-66_n77<br>DC_2-5-66-66_n77 | 2 | 0.3 |
| | 66 | 0.3 |
| | n77 | 0.5 |
| DC_2-7-13_n66 | 2 | 0.3 |
| | 7 | 0.5 |
| | n66 | 0.5 |
| DC_2-7-28_n66 | 2 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 7 | 0.5 |
| | 28 | 0.2 |
| | n66 | 0.5 |
| DC_2-7_n38-n66<br>DC_2-7-7_n38-n66 | 2 | 0.3 |
| | n66 | 0.5 |
| DC_2-7_n38-n78<br>DC_2-7-7_n38-n78 | 2 | 0.2 |
| | n78 | 0.5 |
| DC_2-7-66_n7<br>DC_2-7-66-66_n7 | 2 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-7-66_n28 | 2 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n28 | 0.2 |
| DC_2-7-66_n38<br>DC_2-2-7-66_n38 | 2 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n38 | 0.5 |
| DC_2-7-66_n66<br>DC_2-7-7-66_n66 | 2 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | |
| DC_2-7-66_n71 | 2 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| DC_2-7-66_n77 | 2 | 0.2 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n77 | 0.5 |
| DC_2-7-66_n78 | 2 | 0.3 |
| | 66 | 0.3 |
| | n78 | 0.5 |
| DC_2-7_n66-n78<br>DC_2-7-7_n66-n78 | 2 | 0.3 |
| | 7 | 0.5 |
| | n66 | 0.5 |
| | n78 | 0.5 |
| DC_2-12-30_n2 | 2 | 0.4 |
| | 30 | 0.5 |
| | n2 | 0.4 |
| DC_2-12-30_n66 | 2 | 0.4 |
| | 12 | 0.5 |
| | 30 | 0.5 |
| | n66 | 0.4 |
| DC_2-12-48_n5 | 2 | 0.3 |
| | 12 | 0.3 |
| | 48 | 0.5 |
| | n5 | 0.5 |
| DC_2-12-66_n5 | 2 | 0.3 |
| | 12 | 0.5 |
| | 66 | 0.5 |
| | n5 | 0.3 |
| DC_2-12-66_n2 | 2 | 0.3 |
| | 12 | 0.5 |
| | 66 | 0.3 |
| | n2 | 0.3 |
| DC_2-12-66_n66 | 2 | 0.3 |
| | 12 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_2-13-66_n2 | 2 | 0.3 |
| | 66 | 0.3 |
| | n2 | 0.3 |
| DC_2-13-66_n5 | 2 | 0.3 |
| | 66 | 0.3 |
| DC_2-13-66_n48 | 2 | 0.3 |
| | 66 | 0.3 |
| | n48 | 0.5 |
| DC_2-13-66_n66 | 2 | 0.3 |
| | 66 | 0.3 |
| | n66 | |
| DC_2-13-66_n77<br>DC_2-2-13-66_n77<br>DC_2-13-66-66_n77 | 2 | 0.3 |
| | 66 | 0.3 |
| | n77 | 0.5 |
| DC_2-13_n66-n77 | 2 | 0.3 |
| | n66 | 0.3 |
| | n77 | 0.5 |
| DC_2-14-66_n2<br>DC_2-14-66-66_n2 | 2 | 0.3 |
| | 66 | 0.3 |
| | n2 | 0.3 |
| DC_2-14-66_n66<br>DC_2-2-14-66_n66 | 2 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_2-28-66_n7 | 2 | 0.3 |
| | 28 | 0.2 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-28-66_n66 | 2 | 0.3 |
| | 28 | 0.2 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_2-29-30_n2 | 2 | 0.4 |
| | 30 | 0.5 |
| | n2 | 0.4 |
| DC_2-29-66_n2<br>DC_2-29-66-66_n2 | 2 | 0.3 |
| | 66 | 0.3 |
| | n2 | 0.3 |
| DC_2-29-66_n66 | 2 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_2-30-66_n2<br>DC_2-30-66-66_n2 | 2 | 0.4 |
| | 30 | 0.5 |
| | 66 | 0.4 |
| | n2 | 0.4 |
| DC_2-30-66_n5 | 2 | 0.4 |
| | 30 | 0.5 |
| | 66 | 0.4 |
| DC_2-30-66_n66 | 2 | 0.4 |
| | 30 | 0.5 |
| | 66 | 0.4 |
| | n66 | 0.4 |
| DC_2-46_n41-n66 | 2 | 0.3 |
| | n41 | 0.5 |
| | n66 | 0.5 |
| DC_2-46_n41-n71 | n71 | 0.2 |
| DC_2-46-48_n5 | 2 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 48 | 0.5 |
| DC_2-46-48_n66 | 2 | 0.3 |
| | 48 | 0.5 |
| | n66 | 0.3 |
| DC_2-46-66_n41 | 2 | 0.3 |
| | 66 | 0.5 |
| | n41 | 0.5[1] |
| | | 1[2] |
| DC_2-48_(n)5 | 2 | 0.2 |
| | 48 | 0.5 |
| DC_2-48_n48-n66 | 2 | 0.3 |
| | 48 | 0.4 |
| | n48 | 0.4 |
| | n66 | 0.3 |
| DC_2-48-66_n5 | 2 | 0.3 |
| | 48 | 0.5 |
| | 66 | 0.3 |
| DC_2-48-66_n12 | 2 | 0.3 |
| | 48 | 0.5 |
| | 66 | 0.3 |
| DC_2-48-66_n71 | 2 | 0.3 |
| | 48 | 0.5 |
| | 66 | 0.3 |
| DC_2-48-66_n77 | 2 | 0.3 |
| | 48 | 0.5 |
| | 66 | 0.3 |
| | n77 | 0.5 |
| DC_2-66_(n)5 | 2 | 0.3 |
| | 66 | 0.3 |
| DC_2-66_n5-n77 | 2 | 0.3 |
| | 66 | 0.3 |
| | n77 | 0.5 |
| DC_2-66_n38-n78 | 2 | 0.5 |
| | 66 | 0.5 |
| | n38 | 0.5 |
| | n78 | 0.5 |
| DC_2-66-71_n38<br>DC_2-2-66-71_n38 | 2 | 0.3 |
| | 66 | 0.5 |
| | n38 | 0.5 |
| DC_2-66-71_n66 | 2 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_2-66-71_n71 | 2 | 0.3 |
| | 66 | 0.3 |
| DC_2-66-71_n78<br>DC_2-2-66-71_n78 | 2 | 0.3 |
| | 66 | 0.5 |
| | n78 | 0.5 |
| DC_2-66-(n)71 | 2 | 0.3 |
| | 66 | 0.3 |
| DC_2-66_n41-n71 | 2 | 0.3 |
| | 66 | 0.3 |
| | n41 | 0.5[1] |
| | | 1[2] |
| | n71 | 0.5 |
| DC_2-66_n66-n77 | 2 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| | n77 | 0.5 |
| DC_2-66_n66-n78 | 2 | 0.3 |
| | 66 | 0.3 |
| | n66 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.5 |
| DC_3-5-7_n78<br>DC_3-5-7-7_n78 | 3 | 0.2 |
| | 5 | 0.2 |
| | 7 | 0.2 |
| | n78 | 0.5 |
| DC_3-5-41_n79 | 41 | 0[3]/0.5[3] |
| DC_3-7_n1-n40 | 3 | 0 |
| | 7 | 0.3 |
| | n1 | 0 |
| | n40 | 0.8 |
| DC_3-7_n1-n78 | 3 | 0.3 |
| | 7 | 0.3 |
| | n1 | 0.3 |
| | n78 | 0.5 |
| DC_3-7-7_n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | n78 | 0.5 |
| DC_3-7-8_n1<br>DC_3-3-7-8_n1<br>DC_3-7-7-8_n1<br>DC_3-3-7-7-8_n1 | 8 | 0.2 |
| DC_3-7-8_n28 | 8 | 0.2 |
| | n28 | 0.1 |
| DC_3-7-8_n40 | 8 | 0.2 |
| | n40 | 0.5 |
| DC_3-7-8_n77 | 3 | 0.2 |
| | 7 | 0.2 |
| | 8 | 0.2 |
| | n77 | 0.5 |
| DC_3-7-8_n78<br>DC_3-3-7-8_n78<br>DC_3-7-7-8_n78<br>DC_3-3-7-7-8_n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | 8 | 0.2 |
| | n78 | 0.5 |
| DC_3-7_n7-n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | n7 | 0.2 |
| | n78 | 0.5 |
| DC_3-7-20_n28 | 20 | 0.2 |
| | n28 | 0.1 |
| DC_3-7-20_n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | n78 | 0.5 |
| DC_3-7-28_n1 | 28 | 0.2 |
| DC_3-7-28_n40 | 7 | 0.3 |
| | n40 | 0.8 |
| DC_3-7-28_n78<br>DC_3-7_n28-n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | 28 or n28 | 0.2 |
| | n78 | 0.5 |
| DC_3-7-40_n1 | 7 | 0.3 |
| | 40 | 0.8 |
| DC_3-7_n40-n78 | 3 | 0.2 |
| | n40 | 0.4[8] |
| | n78 | 0.5[8] |
| DC_3-7_SUL_n78-n80 | 7 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-8_n1-n78<br>DC_3-3-8_n1-n78 | 3 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 8 | 0.2 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_3-8-11_n28 | 3 | 0.3 |
| | 8 | 0.2 |
| | 11 | 0.5 |
| | n28 | 0.2 |
| DC_3-8-11_n77 | 3 | 0.3 |
| | 8 | 0.2 |
| | 11 | 0.5 |
| | n77 | 0.5 |
| DC_3-8-20_n78 | 3 | 0.2 |
| | 8 | 0.2 |
| | n78 | 0.5 |
| DC_3-8_n28-n77 | 3 | 0.2 |
| | 8 | 0.2 |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_3-8-40_n1 | 40 | 0.2 |
| | n1 | 0.1 |
| DC_3-8-40_n78 | 3 | 0.2 |
| | 8 | 0.2 |
| | 40 | 0.4[8] |
| | n78 | 0.5[8] |
| DC_3-8_n40-n78 | 3 | 0.2 |
| | 8 | 0.2 |
| | n40 | 0.4 |
| | n78 | 0.5 |
| DC_3-8-42_n77 | 3 | 0.2 |
| | 8 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_3-8_SUL_n78-n80 | 3 | 0.2 |
| | 8 | 0.2 |
| | n78 | 0.5 |
| DC_3-18_n3-n41 | 3 | 0.2 |
| | n3 | 0.2 |
| DC_3-18_n3-n77 | 3 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_3-18_n3-n78 | 3 | 0.2 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_3-18_n28-n41 | 3 | 0.2 |
| | n28 | 0.2 |
| DC_3-18_n28-n77 | **3** | 0.2 |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_3-18_n28-n78 | **3** | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_3-18_n41-n77 | 3 | 0.2 |
| | n77 | 0.5 |
| DC_3-18_n41-n78 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-18-42_n77 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_3-18-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_3-18-42_n79 | 3 | 0.2 |
| | 42 | 0.5 |
| DC_3-19_n1-n77 | 3 | 0.2 |
| | n1 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n77 | 0.5 |
| DC_3-19_n1-n78 | 3 | 0.2 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_3-19-21_n77 | 3 | 0.3 |
| | 21 | 0.5 |
| | n77 | 0.5 |
| DC_3-19-21_n78 | 3 | 0.3 |
| | 21 | 0.5 |
| | n78 | 0.5 |
| DC_3-19-21_n79 | 3 | 0.3 |
| | 21 | 0.5 |
| DC_3-19-42_n1 | 3 | 0.2 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| DC_3-19-42_n77 | 3 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_3-19-42_n78 | 3 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_3-19-42_n79 | 3 | 0.2 |
| | 42 | 0.5 |
| DC_3-19_n77-n79 | 3 | 0.2 |
| | n77 | 0.5 |
| DC_3-19_n78-n79 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-20_n1-n28 | n1 | 0.2 |
| | n28 | 0.2 |
| DC_3-20_n1-n78 | n1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-20_n7-n28 | 20 | 0.1 |
| | n28 | 0.1 |
| DC_3-20_n28-n78 | 3 | 0.2 |
| | 20 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_3-20-38_n78<br>DC_3-20_n38-n78 | 3 | 0.2 |
| | 20 | 0.2 |
| | 38 or n38 | 0.4 |
| | n78 | 0.5 |
| DC_3-20_n41-n78 | n78 | 0.5 |
| DC_3_20_SUL_n78-n80 | 3 | 0.2 |
| | n78 | 0.5 |
| DC_3-21_n1-n77 | 3 | 0.3 |
| | 21 | 0.5 |
| | n1 | 0.2 |
| | n77 | 0.5 |
| DC_3-21_n1-n78 | 3 | 0.3 |
| | 21 | 0.5 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_3-21_n1-n79 | 3 | 0.3 |
| | 21 | 0.5 |
| DC_3-21-42_n1 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| DC_3-21-42_n77 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n77 | 0.5 |
| DC_3-21-42_n78 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_3-21-42_n79 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| DC_3-21_n77-n79 | 3 | 0.3 |
| | 21 | 0.5 |
| | n77 | 0.5 |
| DC_3-21_n78-n79 | 3 | 0.3 |
| | 21 | 0.5 |
| | n78 | 0.5 |
| DC_3-28_n1-n40 | 3 | 0 |
| | 28 | 0.2 |
| | n1 | 0 |
| | n40 | 0 |
| DC_3-28_n7-n78<br>DC_3-3-28_n7-n78 | 3 | 0.5 |
| | 28 | 0.2 |
| | n7 | 0.4 |
| | n78 | 0.5 |
| DC_3-28_n40-n78 | 3 | 0.2 |
| | 28 | 0.2 |
| | n40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_3-28-41_n78 | 3 | 0.5 |
| | 28 | 0.2 |
| | 41 | 0.4[3]/0.5[4] |
| | n78 | 0.5 |
| DC_3-28-42_n77 | 3 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_3-28-42_n78 | 3 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_3-28-42_n79 | 3 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| DC_3-41_n3-n41 | 41 | 0[3]/0.5[4] |
| | n41 | 0[3]/0.5[4] |
| DC_3-41_n3-n77 | 3 | 0.2 |
| | 41 | 0[3]/0.5[4] |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_3-41_n3-n78 | 3 | 0.2 |
| | 41 | 0[3]/0.5[4] |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_3-41_n28-n41 | 3 | 0.2 |
| | 41 | 0[1]/0.5[2] |
| | n28 | 0.2 |
| | n41 | 0[1]/0.5[2] |
| DC_3-41_n28-n77 | 3 | 0.2 |
| | 41 | 0[3]/0.5[4] |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_3-41_n28-n78 | 3 | 0.5 |
| | 41 | 0.4[3]/0.5[4] |
| | n28 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.5 |
| DC_3-41_n41-n77 | 3 | 0.2 |
| | 41 | $0^3/0.5^4$ |
| | n41 | $0^3/0.5^4$ |
| | n77 | 0.5 |
| DC_3-41_n41-n78 | 3 | 0.2 |
| | 41 | $0^3/0.5^4$ |
| | n41 | $0^3/0.5^4$ |
| | n78 | 0.5 |
| DC_3-41-42_n77 | 3 | 0.5 |
| | 41 | $0^3/0.5^4$ |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_3-41-42_n78 | 3 | 0.5 |
| | 41 | $0^3/0.5^4$ |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_3-41-42_n79 | 3 | 0.5 |
| | 41 | $0^3/0.5^4$ |
| | 42 | 0.5 |
| DC_3-42_n1-n77 | 3 | 0.2 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| | n77 | 0.5 |
| DC_3-42_n1-n78 | 3 | 0.2 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_3-42_n1-n79 | 3 | 0.2 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| DC_3-42_n28-n77 | 3 | 0.2 |
| | 42 | 0.5 |
| | n28 | 0.5 |
| | n77 | 0.5 |
| DC_3-42_n77-n79 | 3 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_3-42_n78-n79 | 3 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_5-7-66_n7<br>DC_5-7-66-66_n7 | 7 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_5-7-66_n66 | 5 | 0.3 |
| | 66 | 0.3 |
| | n66 | |
| DC_5-7-7_n78 | 5 | 0.2 |
| | 7 | 0.2 |
| | n78 | 0.5 |
| DC_5-48_(n)12 | 5 | 0.5 |
| | 12 | 0.3 |
| | n12 | 0.5 |
| DC_5-48-66_n12 | 5 | 0.5 |
| | 48 | 0.5 |
| | 66 | 0.2 |
| | n12 | 0.3 |
| DC_5-48-66_n71 | 48 | 0.5 |
| | 66 | 0.2 |
| DC_5-66_(n)12 | 12 | 0.5 |
| | 66 | 0.5 |
| | n12 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_7-13-66_n66 | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | |
| DC_7-8_n1-n78<br>DC_7-7-8_n1-n78 | 7 | 0.2 |
| | 8 | 0.2 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_7-8-40_n1 | 7 | 0.3 |
| | 8 | 0.2 |
| | 40 | 0.8 |
| DC_7-8-40_n78 | 8 | 0.2 |
| | 40 | 0.4[8] |
| | n78 | 0.5[8] |
| DC_7-8_n40-n78 | 7 | 0 |
| | 8 | 0.2 |
| | n40 | 0.4 |
| | n78 | 0.5 |
| DC_7-20_n1-n78 | 7 | 0.2 |
| | 20 | 0.2 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_7-20_n3-n78 | n78 | 0.5 |
| DC_7-20_n28-n78 | 20 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_7-20-32_n28 | n28 | 0.2 |
| DC_7-28_n1-n40 | 7 | 0.3 |
| | 28 | 0.2 |
| | n1 | 0 |
| | n40 | 0.8 |
| DC_7-28_n3-n78 | 7 | 0.5 |
| | 28 | 0.2 |
| | n3 | 0.5 |
| | n78 | 0.5 |
| DC_7-28_n7-n78 | n78 | 0.5 |
| DC_7-28_n40-n78 | 28 | 0.2 |
| | n40 | 0.4 |
| | n78 | 0.5 |
| DC_7-66_n38-n78<br>DC_7-7-66_n38-n78 | 66 | 0.2 |
| | n78 | 0.5 |
| DC_7-28-66_n7 | 7 | 0.5 |
| | 28 | 0.2 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_7-28-66_n66 | 7 | 0.5 |
| | 28 | 0.2 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_7-66_n66-n78<br>DC_7-7-66_n66-n78 | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| | n78 | 0.5 |
| DC_8_n3-n28-n77 | 8 | 0.2 |
| | n3 | 0.2 |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_8-11_n3-n28 | 8 | 0.2 |
| | 11 | 0.3 |
| | n3 | 0.5 |
| | n28 | 0.2 |
| DC_8-42_n28-n77 | 8 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 42 | 0.5 |
| | n28 | 0.5 |
| | n77 | 0.5 |
| DC_12-30-66_n2 | 12 | 0.5 |
| | 30 | 0.5 |
| | 66 | 0.4 |
| | n2 | 0.4 |
| DC_12-30-66_n66 | 12 | 0.5 |
| | 30 | 0.5 |
| | 66 | 0.4 |
| | n66 | 0.4 |
| DC_12-48_(n)5 | 5 | 0.5 |
| | 12 | 0.3 |
| | n5 | 0.5 |
| DC_12-48-66_n5 | 2 | 0.5 |
| | 48 | 0.5 |
| | 66 | 0.5 |
| DC_12-66_(n)5 | 12 | 0.5 |
| | 66 | 0.5 |
| DC_13-66_n2-n77 | 66 | 0.2 |
| | n2 | 0.2 |
| | n77 | 0.5 |
| DC_13-66_n5-n48 | 13 | 0.3 |
| | 66 | 0.2 |
| | n5 | 0.5 |
| | n48 | 0.5 |
| DC_13-66_n66-n77 | 66 | 0.2 |
| | n66 | 0.2 |
| | n77 | 0.5 |
| DC_18-41_n3-n77 | 18 | 0.2 |
| | 41 | 0[3]/0.5[4] |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_18-41_n3-n78 | 18 | 0.2 |
| | 41 | 0[3]/0.5[4] |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_19-21_n1-n77 | n77 | 0.5 |
| DC_19-21_n1-n78 | n1 | 0.2 |
| | n78 | 0.5 |
| DC_19-21-42_n1 | 42 | 0.5 |
| DC_19-21-42_n77 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_19-21-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_19-21-42_n79 | 42 | 0.5 |
| DC_19-21_n77-n79 | n77 | 0.5 |
| DC_19-21_n78-n79 | n78 | 0.5 |
| DC_19-42_n1-n77 | 42 | 0.5 |
| | n1 | 0.2 |
| | n77 | 0.5 |
| DC_19-42_n1-n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_19-42_n1-n79 | 42 | 0.5 |
| DC_19-42_n77-n79 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_19-42_n78-n79 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_21-28-42_n77 | 28 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_21-28-42_n78 | 28 | 0.2 |
| | 42 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n78 | 0.5 |
| DC_21-28-42_n79 | 28 | 0.2 |
| | 42 | 0.5 |
| DC_21-42_n1-n77 | 42 | 0.5 |
| | n1 | 0.2 |
| | n77 | 0.5 |
| DC_21-42_n1-n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_21-42_n1-n79 | 42 | 0.5 |
| DC_21-42_n77-n79 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_21-42_n78-n79 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_28-41-42_n78 | 28 | 0.2 |
| | 41 | 0.4 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_29-30-66_n2<br>DC_29-30-66-66_n2 | 30 | 0.5 |
| | 66 | 0.4 |
| | n2 | 0.4 |
| DC_29-30-66_n66 | 30 | 0.5 |
| | 66 | 0.3 |
| | n66 | 0.3 |
| DC_46-66_n25-n41 | 66 | 0.3 |
| | n25 | 0.3 |
| | n41 | 0.5[1] |
| | | 1[2] |
| DC_46-66_n41-n71 | 66 | 0.3 |
| | n41 | 0.5[1] |
| | | 1[2] |
| | n71 | 0.2 |
| DC_48-66_n25-n48 | 48 | 0.4 |
| | 66 | 0.3 |
| | n25 | 0.3 |
| | n48 | 0.4 |

NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz.
NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz.
NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz
NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.
NOTE 5: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx.
NOTE 6: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz.
NOTE 7: The requirement is applied for UE transmitting on the frequency range of 2496 - 2515 MHz.
NOTE 8: Only applicable for UE supporting inter-band carrier aggregation with uplink in one NR band and without simultaneous Rx/Tx.

### 7.3B.3.3.4 $\Delta R_{IB,c}$ for EN-DC five bands

**Table 7.3B.3.3.4-1: $\Delta R_{IB,c}$ due to EN-DC (five bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3-5-7_n78, DC_1-3-5-7-7_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 5 | 0.2 |
| | 7 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-5-41_n79 | 41 | 0[3] |
| | | 0.5[4] |
| DC_1-3-7_n7-n78 | 1 | 0.3 |
| | 3 | 0.3 |
| | 7 | 0.3 |
| | n7 | 0.3 |
| | n78 | 0.5 |
| DC_1-3-7-8_n28 | 8 | 0.2 |
| | n28 | 0.2 |
| DC_1-3-7-8_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 7 | 0.2 |
| | 8 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-7-20_n28 | 20 | 0.2 |
| | n28 | 0.2 |
| DC_1-3-7-20_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 7 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-7-28_n5 | 28 | 0.2 |
| | n5 | 0.2 |
| DC_1-3-7-28_n7 | 28 | 0.2 |
| DC_1-3-7-28_n40 | 7 | 0.3 |
| | 28 | 0.2 |
| | n40 | 0.8 |
| DC_1-3-7-28_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 7 | 0.2 |
| | 28 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-7_n28-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 7 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-7-40_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_1-3-8-40_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 8 | 0.2 |
| | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_1-3-7_n40-n78 | 7 | 0.3 |
| | n40 | 0.8 |
| | n78 | 0.5 |
| DC_1-3-8_n28-n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 8 | 0.2 |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-8-42_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 8 | 0.2 |
| | 42 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n77 | 0.5 |
| DC_1-3-18_n3-n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-18_n3-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-18_n28-n77 | n28 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-18_n28-n78 | n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-18-42_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-18-42_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-3-18-42_n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| DC_1-3-19-21_n77 | 1 | 0.2 |
| | 3 | 0.3 |
| | 21 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-19-21_n78 | 1 | 0.2 |
| | 3 | 0.3 |
| | 21 | 0.5 |
| | n78 | 0.5 |
| DC_1-3-19-21_n79 | 3 | 0.3 |
| | 21 | 0.5 |
| DC_1-3-19-42_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-19-42_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-3-19-42_n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| DC_1-3-20_n28-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 20 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-20-38_n78<br>DC_1-3-20_n38-n78 | 3 | 0.2 |
| | 20 | 0.2 |
| | 38 or n38 | 0.4 |
| | n78 | 0.5 |
| DC_1-3-20_n41-n78 | n78 | 0.5 |
| DC_1-3-21-42_n77 | 1 | 0.2 |
| | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n77 | 0.2 |
| DC_1-3-21-42_n78 | 1 | 0.2 |
| | 3 | 0.3 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n78 | 0.2 |
| DC_1-3-21-42_n79 | 1 | 0.2 |
| | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| DC_1-3-21_n77-n79 | 1 | 0.2 |
| | 3 | 0.3 |
| | 21 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-21_n78-n79 | 1 | 0.2 |
| | 3 | 0.3 |
| | 21 | 0.5 |
| | n78 | 0.5 |
| DC_1-3-28_n7-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 | 0.2 |
| | n7 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-28_n40-n78 | 3 | 0.2 |
| | 28 | 0.2 |
| | n40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_1-3-28-42_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-28-42_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-3-28-42_n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| DC_1-3-41_n3-n41 | 41 | 0[3]/0.5[4] |
| | n41 | 0[3]/0.5[4] |
| DC_1-3-41_n3-n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-41_n3-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-41_n28-n41 | 41 | 0[3]/0.5[4] |
| | n28 | 0.2 |
| | n41 | 0[3]/0.5[4] |
| DC_1-3-41_n28-n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 41 | 0[3] |
| | | 0.5[4] |
| | n28 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-41_n28-n78 | 3 | 0.2 |
| | 41 | 0[3] |
| | | 0.5[4] |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-41_n41-n77 | 1 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 3 | 0.2 |
| | n77 | 0.5 |
| DC_1-3-41_n41-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | n78 | 0.5 |
| DC_1-7-28_n40-n78 | 1 | 0.2 |
| | 28 | 0.2 |
| | n40 | 0.4 |
| | n78 | 0.5 |
| DC_1-8-42_n28-n77 | 1 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| | n28 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-41-42_n77 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-3-41-42_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-3-41-42_n79 | 1 | 0.2 |
| | 3 | 0.2 |
| | 42 | 0.5 |
| DC_1-7-8-40_n78 | 1 | 0.2 |
| | 8 | 0.2 |
| | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_1-7-20_n3-n78 | n78 | 0.5 |
| DC_1-7-20_n28-n78 | 1 | 0.2 |
| | 7 | 0.2 |
| | 20 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-7-20-32_n28 | 20 | 0.2 |
| | n28 | 0.2 |
| DC_1-7-20-32_n78 | 1 | 0.2 |
| | 7 | 0.2 |
| | 20 | 0.2 |
| | n78 | 0.5 |
| DC_1-7-28_n7-n78 | 1 | 0.2 |
| | 7 | 0.2 |
| | 28 | 0.2 |
| | n7 | 0.2 |
| | n78 | 0.5 |
| DC_1-18-41_n3-n77 | 1 | 0.2 |
| | 41 | 0[3] |
| | | 0.5[4] |
| | n3 | 0.2 |
| | n77 | 0.5 |
| DC_1-18-41_n3-n78 | 1 | 0.2 |
| | 41 | 0[3] |
| | | 0.5[4] |
| | n3 | 0.2 |
| | n78 | 0.5 |
| DC_1-19-21-42_n77 | 1 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-19-21-42_n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-19-21-42_n79 | 42 | 0.5 |
| DC_1-19-42_n77-n79 | 1 | 0.2 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-19-42_n78-n79 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-20-38_n3-n78 | n3 | 0.2 |
| | n78 | 0.5 |
| DC_1-21-28-42_n77 | 1 | 0.2 |
| | 28 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-21-28-42_n78 | 28 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_1-21-28-42_n79 | 28 | 0.2 |
| | 42 | 0.5 |
| DC_1-21-42_n77-n79 | 1 | 0.2 |
| | 21 | 0.2 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_1-21-42_n78-n79 | 21 | 0.2 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_2-5-7-66_n7<br>DC_2-5-7-66-66_n7 | 2 | 0.3 |
| | 5 | 0.2 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-5-7-66_n66 | 2 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-7-13-66_n66 | 2 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-7-28-66_n7 | 2 | 0.3 |
| | 7 | 0.5 |
| | 28 | 0.2 |
| | 66 | 0.5 |
| | n7 | 0.5 |
| DC_2-7-28-66_n66 | 2 | 0.3 |
| | 7 | 0.5 |
| | 28 | 0.2 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| DC_2-7-66_n66-n78<br>DC_2-7-7-66_n66-n78 | 2 | 0.3 |
| | 7 | 0.5 |
| | 66 | 0.5 |
| | n66 | 0.5 |
| | n78 | 0.5 |
| DC_2-12-30-66_n2 | 2 | 0.4 |
| | 12 | 0.5 |
| | 30 | 0.5 |
| | 66 | 0.4 |
| | n2 | 0.4 |
| DC_2-12-30-66_n66 | 2 | 0.4 |
| | 12 | 0.5 |
| | 30 | 0.5 |
| | 66 | 0.4 |
| | n66 | 0.4 |
| DC_2-29-30-66_n2 | 2 | 0.4 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | 30 | 0.5 |
| | 66 | 0.4 |
| | n2 | 0.4 |
| DC_2-46-66_n41-n71 | 2 | 0.3 |
| | 66 | 0.3 |
| | n41 | 0.5[1] |
| | | 1[2] |
| | n71 | 0.5 |
| DC_3-7-8_n1-n78<br>DC_3-3-7-8_n1-n78,<br>DC_3-7-7-8_n1-n78,<br>DC_3-3-7-7-8_n1-n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | 8 | 0.2 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_3-7-8-40_n78 | 3 | 0.2 |
| | 8 | 0.2 |
| | 40 | 0.4[5] |
| | n78 | 0.5[5] |
| DC_3-7-20_n1-n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | 20 | 0.2 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_3-7-20_n28-n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | 20 | 0.2 |
| | n28 | 0.2 |
| DC_3-7-28_n1-n40 | 3 | 0 |
| | 7 | 0.3 |
| | 28 | 0.2 |
| | n1 | 0 |
| | n40 | 0.8 |
| DC_3-7-28_n7-n78 | 3 | 0.2 |
| | 7 | 0.2 |
| | 28 | 0.2 |
| | n7 | 0.2 |
| | n78 | 0.5 |
| DC_3-7-28_n40-n78 | 3 | 0.2 |
| | 28 | 0.2 |
| | n40 | 0.4 |
| | n78 | 0.5 |
| DC_3-19-21-42_n77 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n77 | 0.5 |
| DC_3-19-21-42_n78 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_3-19-21-42_n79 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| DC_3-19-42_n1-n77 | 3 | 0.2 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| | n77 | 0.5 |
| DC_3-19-42_n1-n78 | 3 | 0.2 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| | n78 | 0.5 |
| DC_3-19-42_n1-n79 | 3 | 0.2 |
| | 42 | 0.5 |

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| | n1 | 0.2 |
| DC_3-21-42_n1-n77 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| | n77 | 0.2 |
| DC_3-21-42_n1-n78 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| | n78 | 0.2 |
| DC_3-21-42_n1-n79 | 3 | 0.3 |
| | 21 | 0.5 |
| | 42 | 0.5 |
| | n1 | 0.2 |
| DC_3-28-41-42_n78 | 3 | 0.5 |
| | 28 | 0.2 |
| | 41 | 0.4[1] |
| | | 0.5[2] |
| | 42 | 0.5 |
| | n78 | 0.5 |
| DC_7-8_n40-n78 | 3 | 0.2 |
| | 7 | 0 |
| | 8 | 0.2 |
| | n40 | 0.4 |
| | n78 | 0.5 |
| DC_19-21-42_n1-n77 | 42 | 0.5 |
| | n1 | 0.2 |
| | n77 | 0.5 |
| DC_19-21-42_n1-n78 | 42 | 0.5 |
| | n78 | 0.5 |
| DC_19-21-42_n1-n79 | 42 | 0.5 |
| DC_19-21-42_n77-n79 | 42 | 0.5 |
| | n77 | 0.5 |
| DC_19-21-42_n78-n79 | 42 | 0.5 |
| | n78 | 0.5 |

NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 – 2690 MHz.
NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 – 2545 MHz.
NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz
NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.
NOTE 5: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx.

#### 7.3B.3.3.5 $\Delta R_{IB,c}$ for EN-DC six bands

**Table 7.3B.3.3.5-1: $\Delta R_{IB,c}$ due to EN-DC (six bands)**

| Inter-band EN-DC configuration | E-UTRA or NR Band | $\Delta R_{IB,c}$ (dB) |
|---|---|---|
| DC_1-3-7-8-40_n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 7 | 0 |
| | 8 | 0.2 |
| | 40 | 0.4[1] |
| | n78 | 0.5[1] |
| DC_1-3-7-20_n28-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 7 | 0.2 |
| | 20 | 0.2 |
| | n28 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-7-28_n7-n78 | 1 | 0.2 |
| | 3 | 0.2 |
| | 7 | 0.2 |
| | 28 | 0.2 |
| | n7 | 0.2 |
| | n78 | 0.5 |
| DC_1-3-7-28_n40-n78 | 7 | 0.3 |
| | 28 | 0.2 |
| | n40 | 0.8 |
| | n78 | 0.5 |
| NOTE 1: Only applicable for UE supporting inter-band carrier aggregation with uplink in one NR band and without simultaneous Rx/Tx. | | |

### 7.3B.3.3a Inter-band NE-DC within FR1

Unless $\Delta R_{IB,c}$ is specified in this clause, the value of $\Delta R_{IB,c}$ for the correspondingly specified EN-DC configuration in clause 7.3B.3.3 is applicable.

### 7.3B.3.4 Inter-band EN-DC including FR2

#### 7.3B.3.4.1 $\Delta R_{IB,c}$ for EN-DC in two bands

Unless otherwise stated, $\Delta R_{IB,c}$ for E-UTRA and FR2 NR bands of inter-band EN-DC combinations defined in table 5.5B.5.1-1 is set to zero.

**Table 7.3B.3.4.1-1: Void**

#### 7.3B.3.4.2 $\Delta R_{IB,c}$ for EN-DC three bands

Unless otherwise stated, $\Delta R_{IB,c}$ for FR2 NR bands is set to zero, and $\Delta R_{IB,c}$ for constituent E-UTRA bands for inter-band EN-DC defined in table 5.5B.5.3-1 is the same as those for the corresponding E-UTRA CA configuration specified in TS 36.101 [4], without the FR2 NR bands.

**Table 7.3B.3.4.2-1: Void**

#### 7.3B.3.4.3 $\Delta R_{IB,c}$ for EN-DC four bands

Unless otherwise stated, $\Delta R_{IB,c}$ for FR2 NR bands is set to zero, and $\Delta R_{IB,c}$ for constituent E-UTRA bands for inter-band EN-DC defined in table 5.5B.5.3-1 is the same as those for the corresponding E-UTRA CA configuration specified in TS 36.101 [4], without the FR2 NR bands.

**Table 7.3B.3.4.3-1: Void**

#### 7.3B.3.4.4 $\Delta R_{IB,c}$ for EN-DC five bands

Unless otherwise stated, $\Delta R_{IB,c}$ for FR2 NR bands is set to zero, and $\Delta R_{IB,c}$ for constituent E-UTRA bands for inter-band EN-DC defined in table 5.5B.5.4-1 is the same as those for the corresponding E-UTRA CA configuration specified in TS 36.101 [4], without the FR2 NR bands.

**Table 7.3B.3.4.4-1: Void**

#### 7.3B.3.4.5 Void

### 7.3B.3.4a Inter-band NE-DC including FR2

Unless $\Delta R_{IB,c}$ is specified in this clause, the value of $\Delta R_{IB,c}$ for the correspondingly specified EN-DC configuration in clause 7.3B.3.4 is applicable.

### 7.3B.3.5 Inter-band EN-DC including both FR1 and FR2

#### 7.3B.3.5.2 $\Delta R_{IB,c}$ for EN-DC three bands

Unless otherwise stated, for inter-band EN-DC configurations defined in table 5.5B.6.2-1, $\Delta R_{IB,c}$ for constituent FR2 NR bands is set to zero, and $\Delta R_{IB,c}$ for constituent E-UTRA and FR1 NR bands is the same as those for the corresponding inter band EN-DC configuration without the FR2 bands specified in 7.3B.3.3.

**Table 7.3B.3.5.2-1: Void**

#### 7.3B.3.5.3 $\Delta R_{IB,c}$ for EN-DC four bands

Unless otherwise stated, for inter-band EN-DC configurations defined in table 5.5B.6.3-1, $\Delta R_{IB,c}$ for constituent FR2 NR bands is set to zero, and $\Delta R_{IB,c}$ for constituent E-UTRA and FR1 NR bands is the same as those for the corresponding inter band EN-DC configuration without the FR2 bands specified in 7.3B.3.3.

#### 7.3B.3.5.4 $\Delta R_{IB,c}$ for EN-DC five bands

Unless otherwise stated, for a certain inter-band EN-DC configurations defined in table 5.5B.6.4-1, $\Delta R_{IB,c}$ for constituent FR2 NR bands is set to zero, and $\Delta R_{IB,c}$ for constituent E-UTRA and FR1 NR bands is the same as those for the corresponding inter band EN-DC configuration without the FR2 bands specified in 7.3B.3.3.

#### 7.3B.3.5.5 $\Delta R_{IB,c}$ for EN-DC six bands

Unless otherwise stated, for inter-band EN-DC configurations defined in table 5.5B.6.5-1, $\Delta R_{IB,c}$ for constituent FR2 NR bands is set to zero, and $\Delta R_{IB,c}$ for constituent E-UTRA and FR1 NR bands is the same as those for the corresponding inter band EN-DC configuration without the FR2 bands specified in 7.3B.3.3.

# 7.3E Reference sensitivity for V2X operation in FR1

## 7.3E.1 General

For V2X operation, REFSENS requirements defined in TS 38.101-1 [2] and TS 36.101 [4] apply to all downlink bands of V2X configurations listed in clause 5.5E, unless sensitivity degradation exception is allowed in this clause of this specification, clause 7.3E in TS 38.101-1 [2] or clause 7.3.1G in TS 36.101 [4].

## 7.3E.2 Reference sensitivity for V2X

### 7.3E.2.1 Intra-band contiguous V2X

For intra-band contiguous V2X listed in Table 5.5E.2-1, the each REFSENS requirements specified in clause 7.3.1G of TS 36.101 [4] and clause 7.3E.2 of TS 38.101-1 [2] apply when all SL reception CCs are activated at same time.

### 7.3E.2.2 Intra-band non-contiguous V2X

For intra-band non-contiguous V2X listed in Table 5.5E.3-1, the each REFSENS requirements specified in clause 7.3.1G of TS 36.101 [4] and clause 7.3E.2 of TS 38.101-1 [2] apply when all SL reception CCs are activated at same time.

### 7.3E.2.3 Inter-band V2X con-current operation

When UE is configured for NR V2X reception on V2X carrier con-current with E-UTRA uplink and downlink, NR V2X sidelink throughput for the carrier shall be ≥ 95% of the maximum throughput of the reference measurement channels as specified in Annexes A.7.2. Also the E-UTRA downlink throughput shall be ≥ 95% of the maximum throughput of the reference measurement channels as specified in Annexes A.3.

Table 7.3E.2.3-1 is proposed the reference sensitivity requirements for inter-band con-current V2X UE reception without any self-interference problem.

**Table 7.3E.2.3-1: Reference sensitivity for V2X QPSK $P_{REFSENS}$**

| Inter-band V2X reception | | Channel bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **V2X Band** | **E-UTRA or NR band (Uu)** | **E-UTRA or NR Band** | **SCS (kHz)** | **5 MHz (dBm)** | **10 MHz (dBm)** | **15 MHz (dBm)** | **20 MHz (dBm)** | **25 MHz (dBm)** | **30 MHz (dBm)** | **40 MHz (dBm)** | **50 MHz (dBm)** | **60 MHz (dBm)** | **80 MHz (dBm)** | **Duplex Mode** |
| n38 | 20 | 20 | 15 | -97 | -94 | -91.2 | -90 | | | | | | | FDD |
| | | n38 | 15 | | -96.5 | | -93.2 | | -91.4 | -90.1 | | | | HD |
| | | | 30 | | -96.1 | | -93.4 | | -91.7 | -90.2 | | | | |
| | | | 60 | | -96.9 | | -93.1 | | -91.9 | -90.4 | | | | |
| 47 | n39 | 47 | 15 | | -90.4 | | -87.5 | | | | | | | HD |
| | | n39 | 15 | 15 | -100.0 | -96.8 | -95.0 | -93.8 | -92.7 | -91.9 | | | | TDD |
| | | | 30 | 30 | | -97.1 | -95.1 | -94.0 | -92.8 | -92.0 | | | | |
| | | | 60 | 60 | | -97.5 | -95.4 | -94.2 | -93.0 | -92.1 | | | | |
| n47 | 39 | 39 | 15 | -100.0 | -97.0 | -95.2.0 | -94.0 | | | | | | | TDD |
| | | | 15 | | -92.5 | | -89.2 | | -87.4 | -86.1 | | | | |
| | | n47 | 30 | | -92.1 | | -89.4 | | -87.7 | -86.2 | | | | HD |
| | | | 60 | | -92.9 | | -89.1 | | -87.9 | -86.4 | | | | |
| 47 | n40 | 47 | 15 | | -90.4 | | -87.5 | | | | | | | HD |
| | | n40 | 15 | -100.0 | -96.8 | -95.0 | -93.8 | -92.7 | -91.9 | -90.6 | -89.6 | | | TDD |
| | | | 30 | | -97.1 | -95.1 | -94.0 | -92.8 | -92.0 | -90.7 | -89.7 | -88.9 | -87.6 | |
| | | | 60 | | -97.5 | -95.4 | -94.2 | -93.0 | -92.1 | -90.9 | -89.8 | -89.1 | -87.6 | |
| n47 | 40 | 40 | 15 | -100.0 | -97.0 | -95.2 | -94.0 | | | | | | | TDD |
| | | | 15 | | -92.5 | | -89.2 | | -87.4 | -86.1 | | | | |
| | | n47 | 30 | | -92.1 | | -89.4 | | -87.7 | -86.2 | | | | HD |
| | | | 60 | | -92.9 | | -89.1 | | -87.9 | -86.4 | | | | |
| 47 | n71 | 47 | 15 | | -90.4 | | -87.5 | | | | | | | HD |
| | | n71 | 15 | -97.2 | -94.0 | -91.6 | -86.0 | | | | | | | FDD |
| | | | 30 | | -94.3 | -91.9 | -87.4 | | | | | | | |
| | | | 60 | | | | | | | | | | | |

Table 7.3E.2.3-2 is specified the additional Rx insertion loss according to different RF architecture with DC/CA UE with same band combinations to reduce the self interference problem based on specific self desense analysis according to specific NR V2X inter-band con-current operation.

**Table 7.3E.2.3-2: $\Delta R_{IB,V2X}$ (two bands)**

| V2X inter-band con-current band Combination | E-UTRA or NR Band | $\Delta R_{IB,V2X}$ [dB] |
|---|---|---|
| V2X_20_n38 | 20 | 0.0[1] |
| Note 1: The $\Delta R_{IB,V2X}$ is applied on top of $\Delta R_{IB,c}$ of DC_20_n38 UE that is considered harmonic trap filter to reduce 3rd harmonic impact from Band 20. | | |

The reference sensitivity is defined to be met with Uu uplink assigned to one band (that differs from the V2X operating band) and all E-UTRA downlink carriers active. The Uu uplink resource blocks as defined in Table 7.3E.2.3-3 and Table 7.3E.2.3-4 shall be located as close as possible to V2X operating band but confined within the transmission bandwidth configuration for the channel.

**Table 7.3E.2.3-3: Uplink configuration for reference sensitivity of V2X UE (PC5)**

| Inter-band V2X con-current band configuration | | E-UTRA or NR UL band / Channel BW / $N_{RB}$ / Duplex mode | | | | |
|---|---|---|---|---|---|---|
| V2X band (PC5) | Uu band (Uu) | UL band | Channel Bandwidth (MHz) | SCS (kHz) | $N_{RB}$ | Duplex Mode |
| n38 | 20 | 20 | 10 | 15 | 50 | FDD |
| 47 | n39 | n39 | 10 | 15 | 50 | TDD |
| | | | | 30 | 24 | |
| | | | | 60 | 10 | |
| n47 | 39 | 39 | 10 | 15 | 50 | TDD |
| 47 | n40 | n40 | 10 | 15 | 50 | TDD |
| | | | | 30 | 24 | |
| | | | | 60 | 10 | |
| n47 | 40 | 40 | 10 | 15 | 50 | TDD |
| 47 | n71 | n71 | 10 | 15 | 52 | FDD |
| | | | | 30 | 24 | |

**Table 7.3E.2.3-4: SL Tx configuration for reference sensitivity of V2X UE (Uu)**

| Inter-band V2X con-current band configuration | | E-UTRA or NR UL band / Channel BW / $N_{RB}$ / Duplex mode | | | | |
|---|---|---|---|---|---|---|
| V2X band (PC5) | Uu band (Uu) | V2X band (PC5) | Channel Bandwidth (MHz) | SCS (kHz) | $N_{RB}$ | Duplex Mode |
| n38 | 20 | n38 | 10 | 15 | 50 | HD |
| | | | | 30 | 24 | |
| | | | | 60 | 10 | |
| 47 | n39 | 47 | 10 | 15 | 50 | HD |
| n47 | 39 | n47 | 10 | 15 | 50 | HD |
| | | | | 30 | 24 | |
| | | | | 60 | 10 | |
| 47 | n40 | 47 | 10 | 15 | 50 | HD |
| n47 | 40 | n47 | 10 | 15 | 50 | HD |
| | | | | 30 | 24 | |
| | | | | 60 | 10 | |
| 47 | n71 | 47 | 10 | 15 | 50 | HD |

### 7.3E.2.3.1 Reference sensitivity exception due to UL harmonic problem

Sensitivity degradation is allowed for a band if it is impacted by UL harmonic interference from another band part of the inter-band con-current V2X UE. Reference sensitivity exceptions (MSD) for the victim band (high) are specified in Table 7.3E.2.3.1-1 with uplink configuration of the aggressor band (low) specified in Table 7.3E.2.3.1-2.

**Table 7.3E.2.3.1-1: Reference sensitivity exceptions (MSD) due to UL harmonic for inter-band con-current operation**

| V2X inter-band con-current band combinations | Operating Bands / Channel bandwidth of the affected DL band / MSD | | | | | |
|---|---|---|---|---|---|---|
| V2X_20_n38 | UL band | SL operation | 10 MHz (dB) | 20 MHz (dB) | 30 MHz (dB) | 40 MHz (dB) |
| | 20 | n38 | 10.7 | 7.7 | 5.8 | 4.7 |

NOTE 1: These requirements apply when there is at least one individual RE within the uplink transmission bandwidth of the aggressor (lower) for which the 3rd transmitter harmonic is within the sidelink transmission bandwidth of a victim (higher) band.

NOTE 2: The requirements should be verified for UL EARFCN of the aggressor (lower) band (superscript LB such that $f_{UL}^{LB} = \lfloor f_{DL}^{HB} / 0.3 \rfloor 0.1$ in MHz and $F_{UL_low}^{LB} + BW_{Channel}^{LB} / 2 \le f_{UL}^{LB} \le F_{UL_high}^{LB} - BW_{Channel}^{LB} / 2$ with $f_{DL}^{HB}$ the carrier frequency in the victim (higher) band in MHz and $BW_{Channel}^{LB}$ the channel bandwidth configured in the low band.

NOTE 3: The MSD level applied to all supported SCSs in victim band.

**Table 7.3E.2.3.1-2: Uplink configuration for reference sensitivity exceptions due to UL harmonic interference for inter-band con-current V2X in NR FR1**

| E-UTRA or NR Band / Channel bandwidth of the affected DL band / UL RB allocation of the agressor band | | | | | |
|---|---|---|---|---|---|
| UL band | SL operation | 10 MHz ($L_{CRB}$) | 20 MHz ($L_{CRB}$) | 30 MHz ($L_{CRB}$) | 40 MHz ($L_{CRB}$) |
| 20 | n38 | 25 | 50 | 50 | 50 |

NOTE 1: The UL configuration applies regardless of the channel bandwidth of the UL band unless the UL resource blocks exceed that specified in Table 7.3.1-2 in TS 36.101 [4] or Table 7.3.2-3 in TS 38.101-1 [2] for the uplink bandwidth in which case the allocation according to Table 7.3.1-2 in TS 36.101 [4] or Table 7.3.2-3 in TS 38.101-1 [2] applies

# 7.4 Void

# 7.4A Maximum input level for CA

For inter-band NR CA between FR1 and FR2, the maximum input level specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for FR1 and FR2 respectively.

# 7.4B Maximum input level for DC in FR1

## 7.4B.1 Intra-band contiguous EN-DC in FR1

Intra-band contiguous EN-DC maximum input level requirement and parameters are defined in Table 7.4B.1-1.

**Table 7.4B.1-1: Maximum Input**

| Power in Largest CC, E-UTRA or NR, dBm | $X^1$ |
|---|---|
| Power in each other CC, dBm | $X^1 - 10*\log10(N_x SCS_x / N_y SCS_y)$ |

NOTE 1: Power in Largest E-UTRA or NR bandwidth CC, listed in Table 7.4-1 [2]

NOTE 2: $N_x$, $SCS_x$ is the number of RB's and Sub carrier spacing in the largest carrier bandwidth and could be E-UTRA or NR carrier

NOTE 3: $N_y$, $SCS_y$ is the number of RB's in any other carrier.

NOTE 4: For NR carrier, the transmitter shall be set to 4dB below $P_{CMAX_L,f,c,NR}$ at the minimum uplink configuration specified in Table 7.3.2-3 [2] with $P_{CMAX_L,f,c,NR}$ as defined in subclause 6.2B.4.

NOTE 5: For E-UTRA carrier, the transmitter shall be set to 4dB below $P_{CMAX_L_E\text{-}UTRA,c}$ at the minimum uplink configuration specified in Table 7.3.1-2 [4] with $P_{CMAX_L_E\text{-}UTRA,c}$ as defined in subclause 6.2B.4 for single carrier.

### 7.4B.2 Intra-band non-contiguous EN-DC in FR1

For the E-UTRA sub-block containing one or multiple CC's, the requirement is defined in clause 7.4.1 for single carrier operation and in clause 7.4.1A for CA in TS 36.101 [4].

For the NR sub-block, the requirement is defined in clause 7.4 in TS 38.101-1 [2].

### 7.4B.3 Inter-band EN-DC within FR1

Maximum input level requirement for E-UTRA single carrier and CA operation specified in clauses 7.4.1 and 7.4.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.4 and 7.4A of TS 38.101-1 [2] apply.

### 7.4B.3a Inter-band NE-DC within FR1

Maximum input level requirement for E-UTRA single carrier and CA operation specified in clauses 7.4.1 and 7.4.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.4 and 7.4A of TS 38.101-1 [2] apply.

### 7.4B.4 Inter-band EN-DC including FR2

Maximum input level requirement for E-UTRA single carrier and CA operation specified in clauses 7.4.1 and 7.4.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.4, 7.4A and 7.4B of TS 38.101-2 [3] apply.

### 7.4B.4a Inter-band NE-DC including FR2

Maximum input level requirement for E-UTRA single carrier and CA operation specified in clauses 7.4.1 and 7.4.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.4, 7.4A and 7.4B of TS 38.101-2 [3] apply.

### 7.4B.5 Inter-band EN-DC including both FR1 and FR2

Maximum input level requirement for E-UTRA single carrier and CA operation specified in clauses 7.4.1 and 7.4.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.4, 7.4A and 7.4B of TS 38.101-1 [2] and TS 38.101-2 [3] apply.

## 7.4E Maximum input level for V2X operation in FR1

For intra-band V2X UE, the maximum input requirements specified in clause 7.4.1G of TS 36.101 [4] and clause 7.4E.2 of TS 38.101-1 [2] apply when all SL reception CCs are activated at same time.

For the inter-band con-current NR V2X operation, the requirements specified in subclause 7.4E of TS 38.101-1 [2] shall apply for the NR sidelink reception in Band n47 and the requirements specified in subclause 7.4.1 of TS 36.101 [4] shall apply for the E-UTRA downlink reception in licensed band while all downlink carriers are active.

## 7.5 Void

## 7.5A Adjacent channel selectivity for CA

For inter-band NR CA between FR1 and FR2, the adjacent channel selectivity specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for FR1 and FR2 respectively.

# 7.5B Adjacent channel selectivity for DC in FR1

## 7.5B.1 Intra-band contiguous EN-DC in FR1

Intra-band contiguous EN-DC ACS requirement and parameters are defined for test case 1 in Table 7.5B.1-1 and for test case 2 in Table 7.5B.1-2.

**Table 7.5B.1-1: ACS test case 1**

| **EN-DC Aggregated Bandwidth, MHz** | <=100 | >100, <=120 | >120, <=140 | >140, <=160 |
|---|---|---|---|---|
| **ACS, dB** | X[1] | 19.2 | 18.5 | 17.9 |
| **$P_{interferer}$, dBm** | $P_I$ [2] | Aggregated power + 17.7 dB | Aggregated power + 17 dB | Aggregated power + 16.4dB |
| **Pw in Transmission BW configuration, per CC, dBm** | REFSENS +14dB | | | |

NOTE 1: X is ACS level at the specified EN-DC aggregated bandwidth from Table 7.5.1A-1 in TS 36.101 [4]
NOTE 2: $P_I$ is from Table 7.5.1A-2 in TS 36.101 [4]
NOTE 3: Jammer BW and offset is from Table 7.5.1A-2 [4] and is applied from the lowest edge of the lowest carrier and the highest edge of the highest carrier
NOTE 4: For NR carrier, the transmitter shall be set to 4dB below $P_{CMAX_L,f,c,NR}$ at the minimum uplink configuration specified in Table 7.3.2-3 [2] with $P_{CMAX_L,f,c,NR}$ as defined in clause 6.2B.4.
NOTE 5: For E-UTRA carrier, the transmitter shall be set to 4 dB below $P_{CMAX_L_E\text{-}UTRA,c}$ at the minimum uplink configuration specified in Table 7.3.1-2 [4] with $P_{CMAX_L_E\text{-}UTRA,c}$ as defined in clause 6.2B.4 for single carrier.

**Table 7.5B.1-2: ACS test case 2**

| **EN-DC Aggregated Bandwidth, ENBW, MHz** | ≤100 | >100, ≤120 | >120, ≤140 | >140, ≤160 |
|---|---|---|---|---|
| **Pw in Transmission Bandwidth Configuration, perCC, dBm** | $P_W$ [1] | $-42.7 + 10\log_{10}(N_{RB,c}/N_{RB_agg})$ | $-42 + 10\log_{10}(N_{RB,c}/N_{RB_agg})$ | $-41.4 + 10\log_{10}(N_{RB,c}/N_{RB_agg})$ |
| **$P_{interferer}$, dBm** | -25 | | | |

NOTE 1: $P_W$ is wanted signal power level at the specified EN-DC aggregated Bandwidth from Table 7.5.1A-3 in TS 36.101 [4]
NOTE 2: Jammer BW and offset is from Table 7.5.1A-3 [4] and is applied from the lowest edge of the lowest carrier and the highest edge of the highest carrier
NOTE 3: For NR carrier, the transmitter shall be set to 24dB below $P_{CMAX_L,f,c,NR}$ at the minimum uplink configuration specified in Table 7.3.2-3 [2] with $P_{CMAX_L,f,c,NR}$ as defined in clause 6.2B.4.
NOTE 4: For E-UTRA carrier, the transmitter shall be set to 24 dB below $P_{CMAX_L_E\text{-}UTRA,c}$ at the minimum uplink configuration specified in Table 7.3.1-2 [4] with $P_{CMAX_L_E\text{-}UTRA,c}$ as defined in clause 6.2B.4 for single carrier.

## 7.5B.2 Intra-band non-contiguous EN-DC in FR1

For the E-UTRA sub-block containing one or multiple CC's, the requirement is defned in clause 7.5.1 for single carrier operation and in clause 7.5.1A for CA in TS 36.101 [4].

For the NR sub-block, the requirement is defined in clause 7.5 in TS 38.101-1 [2].

The blocker configuration is defined in the general clause 7.1.

## 7.5B.3 Inter-band EN-DC within FR1

Adjacent channel selectivity requirement for E-UTRA single carrier and CA operation specified in clauses 7.5.1 and 7.5.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.5 and 7.5A of TS 38.101-1 [2] apply.

## 7.5B.3a Inter-band NE-DC within FR1

Adjacent channel selectivity requirement for E-UTRA single carrier and CA operation specified in clauses 7.5.1 and 7.5.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.5 and 7.5A of TS 38.101-1 [2] apply.

## 7.5B.4 Inter-band EN-DC including FR2

Adjacent channel selectivity requirement for E-UTRA single carrier and CA operation specified in clauses 7.5.1 and 7.5.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.5, 7.5A and 7.5B of TS 38.101-2 [3] apply.

## 7.5B.4a Inter-band NE-DC including FR2

Adjacent channel selectivity requirement for E-UTRA single carrier and CA operation specified in clauses 7.5.1 and 7.5.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.5, 7.5A and 7.5B of TS 38.101-2 [3] apply.

## 7.5B.5 Inter-band EN-DC including both FR1 and FR2

Adjacent channel selectivity requirement for E-UTRA single carrier and CA operation specified in clauses 7.5.1 and 7.5.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.5, 7.5A and 7.5Bof TS 38.101-1 [2] and TS 38.101-2 [3] apply.

# 7.5E Adjacent channel selectivity for V2X operation in FR1

For intra-band V2X operation, the adjacent channel selectivity specified in clause 7.5.1G in TS 36.101 [4] and specified in clause 7.5C in TS 38.101-1 [2] apply when all SL reception CCs are activated at same time.

For the inter-band con-current NR V2X operation, the requirements specified in subclause 7.5E of TS 38.101-1 [2] shall apply for the NR sidelink reception in Band n47 and the requirements specified in subclause 7.5.1 of TS 36.101 [4] shall apply for the E-UTRA downlink reception in licensed band while all downlink carriers are active.

# 7.6 Void

# 7.6A Blocking characteristics for CA

For inter-band NR CA between FR1 and FR2, the in-band blocking characteristics specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for FR1 and FR2 respectively. The narrow band blocking and out-of-band blocking specified in TS 38.101-1 [2] apply for FR1.

# 7.6B Blocking characteristics for DC in FR1

## 7.6B.1 General

## 7.6B.2 In-band blocking for DC in FR1

### 7.6B.2.1 Intra-band contiguous EN-DC in FR1

Intra-band contiguous EN-DC in-band blocking requirement and parameters are defined in Table 7.6B.2.1-1.

**Table 7.6B.2.1-1: In-band blocking**

| **EN-DC Aggregated Bandwidth, MHz** | ≤100 | >100, ≤120 | >120, ≤140 | >140, ≤160 |
|---|---|---|---|---|
| **Pw in Transmission Bandwidth Configuration, perCC, dBm** | | REFSENS + Aggregated BW specific value below | | |
| | $P_W$ [1] | 16.8 | 17.5 | 18 |

NOTE 1: $P_W$ is wanted signal power level at the specified EN-DC aggregated Bandwidth from Table 7.6.1.1A-1 in TS 36.101 [4]
NOTE 2: Interferer values are specified from Table 7.6.1.1A-2 in TS 36.101 [4]
NOTE 3: Jammer BW and offset is from Table 7.6.1.1A-1 [4] and is applied from the lowest edge of the lowest carrier and the highest edge of the highest carrier
NOTE 4: For NR carrier, the transmitter shall be set to 4dB below $P_{CMAX_L,f,c,NR}$ at the minimum uplink configuration specified in Table 7.3.2-3 [2] with $P_{CMAX_L,f,c,NR}$ as defined in clause 6.2B.4.
NOTE 5: For E-UTRA carrier, the transmitter shall be set to 4dB below $P_{CMAX_L_E\text{-}UTRA,c}$ at the minimum uplink configuration specified in Table 7.3.1-2 [4] with $P_{CMAX_L_E\text{-}UTRA,c}$ as defined in clause 6.2B.4 for single carrier.

### 7.6B.2.2 Intra-band non-contiguous EN-DC in FR1

For the E-TRA sub-block containing one or multiple CC's, the requirement is deined in clause 7.6.1.1 for single carrier operation and in clause 7.6.1.1A for CA in TS 36.101 [4].

For the NR sub-block, the requirement is defined in clause 7.6.2 in TS 38.101-1 [2].

The blocker configuration is defined in the general clause 7.1.

### 7.6B.2.3 Inter-band EN-DC within FR1

Inband blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.1.1 and 7.6.1.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.2 and 7.6A.2 of TS 38.101-1 [2] apply.

### 7.6B.2.3a Inter-band NE-DC within FR1

Inband blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.1.1 and 7.6.1.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.2 and 7.6A.2 of TS 38.101-1 [2] apply.

### 7.6B.2.4 Inter-band EN-DC including FR2

Inband blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.1.1 and 7.6.1.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.2, 7.6A.2 and 7.6B.2 of TS 38.101-2 [3] apply.

### 7.6B.2.4a Inter-band NE-DC including FR2

Inband blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.1.1 and 7.6.1.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.2, 7.6A.2 and 7.6B.2 of TS 38.101-2 [3] apply.

### 7.6B.2.5 Inter-band EN-DC including both FR1 and FR2

Inband blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.1.1 and 7.6.1.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.2, 7.6A.2 and 7.6B.2 of TS 38.101-1 [2] and TS 38.101-2 [3] apply.

## 7.6B.3 Out-of-band blocking for DC in FR1

### 7.6B.3.1 Intra-band contiguous EN-DC in FR1

Intra-band contiguous EN-DC out-of-band requirement and parameters are defined in Table 7.6B.3.1-1.

**Table 7.6B.3.1-1: Out-of-band blocking**

| **EN-DC Aggregated Bandwidth, MHz** | ≤100 | >100, ≤120 | >120, ≤140 | >140, ≤160 |
|---|---|---|---|---|
| **Pw in Transmission Bandwidth Configuration, perCC, dBm** | REFSENS + Aggregated BW specific value below | | | |
| | 9 | | | |
| NOTE 1: Interferer values and offsets are specified from Table 7.6.2.1A-2 in TS 36.101 [4]<br>NOTE 2: For NR carrier, the transmitter shall be set to 4dB below $P_{CMAX_L,f,c,NR}$ at the minimum uplink configuration specified in Table 7.3.2-3 [2] with $P_{CMAX_L,f,c,NR}$ as defined in clause 6.2B.4.<br>NOTE 3: For E-UTRA carrier, the transmitter shall be set to 4dB below $P_{CMAX_L_E\text{-}UTRA,c}$ at the minimum uplink configuration specified in Table 7.3.1-2 [4] with $P_{CMAX_L_E\text{-}UTRA,c}$ as defined in clause 6.2B.4 for single carrier. | | | | |

### 7.6B.3.2 Intra-band non-contiguous EN-DC in FR1

For the E-UTRA sub-block containing one or multiple CC's, the requirement is dfined in clause 7.6.2.1 for single carrier operation and in clause 7.6.2.1A for CA in TS 36.101 [4].

For the NR sub-block, the requirement is defined in clause 7.6.3 is [2].

### 7.6B.3.3 Inter-band EN-DC within FR1

Out-of band blocking requirements for E-UTRA single carrier and CA operation specified in clauses 7.6.2.1 and 7.6.2.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.3 and 7.6A.3 of TS 38.101-1 [2] apply for lowest level EN-DC fallbacks (two bands) in clause 5.5B.4.1 with following conditions

one E-UTRA uplink carrier with the output power set to 4 dB below $P_{CMAX_L,c}$ and the NR band whose downlink is being tested has its uplink carrier output power set to 29 dB below $P_{CMAX_L,f,c}$.

one NR uplink carrier with the output power set to 4 dB below $P_{CMAX_L,f,c}$ on the NR band with both E-UTRA and NR downlinks being tested with E-UTRA output power set to 29 dB below $P_{CMAX_L,c}$.

If CW interferer falls in a gap between $F_{DL_high}$ of the E-UTRA or NR band and $F_{DL_low}$ of the NR or EUTRA band, where the corresponding OOB ranges 1 and 2 overlap, then the lower level interferer limit of the overlapping OOB ranges applies.

If $F_{DL_high}$ of the lower E-UTRA or NR band is greater than or equal to the $F_{DL_low}$ of the upper NR or E-UTRA band as in overlapping RX frequency ranges, then the OOB range shall start from the $F_{DL_low}$ of the lower E-UTRA or NR band, and from the $F_{DL_high}$ of the upper NR or E-UTRA band.

For EN-DC combination listed in Table 7.6B.3.3-1 under the first test condition above, exceptions to the requirement specified in Table 7.6B.3.3-2 are allowed when the second order intermodulation product of the lower frequency band UL carrier and the CW interfering signal fully or partially overlaps with the higher frequency band DL carrier.

**Table 7.6B.3.3-1: EN-DC combination with exceptions allowed**

| EN-DC combination |
|---|
| DC_5_n77 |
| DC_5_n78 |
| DC_8_n77 |
| DC_8_n78 |
| DC_8_n79 |
| DC_11_n77 |
| DC_13_n77 |
| DC_18_n77 |
| DC_18_n78 |
| DC_18_n79 |
| DC_19_n77 |
| DC_19_n78 |
| DC_19_n79 |
| DC_20_n77 |
| DC_20_n78 |
| DC_21_n77 |
| DC_26_n77 |
| DC_26_n78 |
| DC_26_n79 |
| DC_28_n77 |
| DC_28_n78 |
| DC_28_n79 |

| Parameter | Unit | Level |
|---|---|---|
| $P_{Interferer}$ (CW) | dBm | -44[1] |
| NOTE 1: The requirement applies when $\lvert f_{Interferer} \pm f_{UL}^{LB} - f_{DL}^{HB} \rvert \leq (BW_{UL}^{LB} + BW_{DL}^{HB})/2$, where $f_{UL}^{LB}$ and $f_{DL}^{HB}$ are the carrier frequencies for lower frequency band UL and higher frequency band DL, respectively. $BW_{UL}^{LB}$ and $BW_{DL}^{HB}$ are the channel bandwidths configured for lower frequency band UL carrier and higher frequency band DL carrier in MHz, respectively. | | |

For each of the two test cases in clauses 7.6.2.1 and 7.6.2.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.3 and 7.6A.3 of TS 38.101-1 [2] for all interferer frequency ranges a maximum of

$$\lfloor \max\{24{,}6 \cdot \lceil n \cdot N_{RB} / 6 \rceil\} / \min\{\lfloor n \cdot N_{RB} / 10 \rfloor, 5\} \rfloor$$

exceptions are allowed for spurious response frequencies in each assigned frequency channel when measured using a step size of $\min(\lfloor CBW/2 \rfloor, 5)$ MHz with $N_{RB}$ the number of resource blocks in the downlink transmission bandwidth configuration, *CBW* the bandwidth of the frequency channel in MHz and n = 1, 2, 3 for SCS = 15, 30, 60 kHz, respectively. For these exceptions, the requirements in clause 7.7 apply.

### 7.6B.3.3a Inter-band NE-DC within FR1

Out-of band blocking requirements for E-UTRA single carrier and CA operation specified in clauses 7.6.2.1 and 7.6.2.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.3 and 7.6A.3 of TS 38.101-1 [2] apply for lowest level NE-DC fallbacks (two bands) in clause 5.5B.4a.1 with following conditions

one E-UTRA uplink carrier with the output power set to 4 dB below $P_{CMAX_L,c}$ and the NR band whose downlink is being tested has its uplink carrier output power set to 29 dB below $P_{CMAX_L,f,c}$.

one NR uplink carrier with the output power set to 4 dB below $P_{CMAX_L,f,c}$ on the NR band with both E-UTRA and NR downlinks being tested with E-UTRA output power set to 29 dB below $P_{CMAX_L,c}$.

### 7.6B.3.4 Inter-band EN-DC including FR2

Out-of band blocking requirements specified for E-UTRA single carrier and CA operation specified in clauses 7.6.2.1 and 7.6.2.1A of TS 36.101 [4] apply for lowest level EN-DC fallbacks (two bands) in clause 5.5B.5.1 with only E-UTRA UL with output power as in TS 36.101 [4] (4 dB below $P_{CMAX_L}$).

### 7.6B.3.4a Inter-band NE-DC including FR2

Out-of band blocking requirements specified for E-UTRA single carrier and CA operation specified in clauses 7.6.2.1 and 7.6.2.1A of TS 36.101 [4] apply for lowest level NE-DC fallbacks (two bands) in clause 5.5B.5.1 with only E-UTRA UL with output power as in TS 36.101 [4] (4 dB below $P_{CMAX_L}$).

### 7.6B.3.5 Inter-band EN-DC including both FR1 and FR2

Out-of band blocking requirements specified for E-UTRA single carrier and CA operation specified in clauses 7.6.2.1 and 7.6.2.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.3 and 7.6A.3 of TS 38.101-1 [2] apply for lowest level EN-DC fallbacks (three bands) in clause 5.5B.6.2 with only E-UTRA UL with output power as in TS 36.101 [4] (4 dB below $P_{CMAX_L}$).

## 7.6B.4 Narrow band blocking for DC in FR1

### 7.6B.4.1 Intra-band contiguous EN-DC in FR1

Intra-band contiguous EN-DC narrow band blocking requirement and parameters are defined in Table 7.6B.4.1-1.

**Table 7.6B.4.1-1: Narrow band blocking parameters**

| **EN-DC Aggregated Bandwidth, MHz** | ≤100 | >100, ≤120 | >120, ≤140 | >140, ≤160 |
|---|---|---|---|---|
| **Pw in Transmission Bandwidth Configuration, perCC, dBm** | REFSENS + Aggregated BW specific value below | | | |
| | 16 | | | |
| **$P_{UW}$, dBm (CW)** | -55 | | | |

NOTE 1: Jammer offset is from Table 7.6.3.1A-1 [4] and is applied from the lowest edge of the lowest carrier and the highest edge of the highest carrier

NOTE 2: For NR carrier, the transmitter shall be set to 4dB below $P_{CMAX_L,f,c,NR}$ at the minimum uplink configuration specified in Table 7.3.2-3 [2] with $P_{CMAX_L,f,c,NR}$ as defined in clause 6.2.4 from TS 38.101-1 [2].

NOTE 3: For E-UTRA carrier, the transmitter shall be set to 4dB below $P_{CMAX_L_E\text{-}UTRA,c}$ at the minimum uplink configuration specified in Table 7.3.1-2 [4] with $P_{CMAX_L_E\text{-}UTRA,c}$ as defined in clause 6.2B.4 for single carrier.

NOTE 4: If NR carrier BW > 40 MHz, no narrow band blocking requirements apply when blocker is applied at the edge of the NR carrier.

### 7.6B.4.2 Intra-band non-contiguous EN-DC in FR1

For the E-TRA sub-block containing one or multiple CC's, the requirement is deined in clause 7.6.3.1 for single carrier operation and in clause 7.6.3.1A for CA in TS 36.101 [4].

For the NR sub-block, the requirement is defined in clause 7.6.4 in TS 38.101-1 [2].

The blocker configuration is defined in the general clause 7.1.

### 7.6B.4.3 Inter-band EN-DC within FR1

Narrow band blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.3.1 and 7.6.3.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.4 and 7.6A.4 of TS 38.101-1 [2] apply.

### 7.6B.4.3a Inter-band NE-DC within FR1

Narrow band blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.3.1 and 7.6.3.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.4 and 7.6A.4 of TS 38.101-1 [2] apply.

### 7.6B.4.4 Inter-band EN-DC including FR2

Narrow band blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.3.1 and 7.6.3.1A of TS 36.101 [4] apply.

### 7.6B.4.4a Inter-band NE-DC including FR2

Narrow band blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.3.1 and 7.6.3.1A of TS 36.101 [4] apply.

### 7.6B.4.5 Inter-band EN-DC including both FR1 and FR2

Narrow band blocking requirement for E-UTRA single carrier and CA operation specified in clauses 7.6.3.1 and 7.6.3.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.6.4 and 7.6A.4 of TS 38.101-1 [2] apply.

## 7.6E Blocking characteristics for V2X in FR1

For intra-band V2X operation, the blocking charateristics specified in clause 7.6.1.1G in TS 36.101 [4] and specified in clause 7.6E in TS 38.101-1 [2] apply when all SL reception CCs are activated at same time.

For inter-band con-current NR V2X operation, the in-band blocking and out of band blocking requirement specified in clause 7.6E in TS 38.101-1 [2] shall apply on NR V2X carrier and the requirement specified in clause 7.6 in TS 36.101 [4] shall apply for the E-UTRA downlink reception in licensed band while all downlink carriers are active. $P_{Interferer}$ power is increased by $\Delta R_{IB,c}$ in the requirement.

No narrow band blocking requirement applied for NR V2X carrier.

## 7.7 Void

## 7.7A Spurious response for CA

For inter-band NR CA between FR1 and FR2, the spurious response specified in TS 38.101-1 [2] apply for FR1.

# 7.7B Spurious response for DC in FR1

## 7.7B.1 Intra-band contiguous EN-DC in FR1

Intra-band contiguous EN-DC spurious response requirement and parameters are defined in Table 7.7B.1-1.

**Table 7.7B.1-1: Spurious Response Parameters**

| **EN-DC Aggregated Bandwidth, MHz** | ≤100 | >100, ≤120 | >120, ≤140 | >140, ≤160 |
|---|---|---|---|---|
| **Pw in Transmission Bandwidth Configuration, perCC, dBm** | REFSENS + Aggregated BW specific value below | | | |
| | 9 | | | |
| **$P_{interferer}$, dBm (CW)** | -44 | | | |
| NOTE 1: For NR carrier, the transmitter shall be set to 4 dB below $P_{CMAX_L,f,c,NR}$ at the minimum uplink configuration specified in Table 7.3.2-3 [2] with $P_{CMAX_L,f,c,NR}$ as defined in clause 6.2B.4.<br>NOTE 2: For E-UTRA carrier, the transmitter shall be set to 4 dB below $P_{CMAX_L_E\text{-}UTRA,c}$ at the minimum uplink configuration specified in Table 7.3.1-2 [4] with $P_{CMAX_L_E\text{-}UTRA,c}$ as defined in clause 6.2B.4 for single carrier. | | | | |

## 7.7B.2 Intra-band non-contiguous EN-DC in FR1

For the E-UTRA sub-block containing one or multiple CC's, the requirement is defined in clause 7.7.1 for single carrier operation and in clause 7.7.1A for CA in TS 36.101 [4].

For the NR sub-block, the requirement is defined in clause 7.7 is [2].

## 7.7B.3 Inter-band EN-DC within FR1

Spurious response requirement for E-UTRA single carrier and CA operation specified in clauses 7.7.1 and 7.7.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.7 and 7.7A of TS 38.101-1 [2] apply for lowest level EN-DC fallbacks (two bands) in clause 5.5.B.4.1 with following conditions

- one E-UTRA uplink carrier with the output power set to 4 dB below $P_{CMAX_L}$ and the NR band whose downlink is being tested has its uplink carrier output power set to 29 dB below $P_{CMAX_L,f,c.}$

- one NR uplink carrier with the output power set to 4 dB below $P_{CMAX_L,f,c}$ on the NR band with both E-UTRA and NR downlinks being tested with E-UTRA output power set to 29 dB below $P_{CMAX_L,c.}$

## 7.7B.3a Inter-band NE-DC within FR1

Spurious response requirement for E-UTRA single carrier and CA operation specified in clauses 7.7.1 and 7.7.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.7 and 7.7A of TS 38.101-1 [2] apply for lowest level NE-DC fallbacks (two bands) in clause 5.5B.4a.1 with following conditions

- one E-UTRA uplink carrier with the output power set to 4 dB below $P_{CMAX_L,c}$ and the NR band whose downlink is being tested has its uplink carrier output power set to 29 dB below $P_{CMAX_L,f,c}$.

- one NR uplink carrier with the output power set to 4 dB below $P_{CMAX_L,f,c}$ on the NR band with both E-UTRA and NR downlinks being tested with E-UTRA output power set to 29 dB below $P_{CMAX_L,c}$.

## 7.7B.4 Inter-band EN-DC including FR2

Spurious response requirement for E-UTRA single carrier and CA operation specified in clauses 7.7.1 and 7.7.1A of TS 36.101 [4] apply for lowest level EN-DC fallbacks (two bands) in clause 5.5B.5.1 with only E-UTRA UL with output power as in TS 36.101 [4] (4 dB below $P_{CMAX_L}$).

### 7.7B.4a Inter-band NE-DC including FR2

Spurious response requirement for E-UTRA single carrier and CA operation specified in clauses 7.7.1 and 7.7.1A of TS 36.101 [4] apply for lowest level NE-DC fallbacks (two bands) in clause 5.5B.5.1 with only E-UTRA UL with output power as in TS 36.101 [4] (4 dB below $P_{CMAX_L}$).

### 7.7B.5 Inter-band EN-DC including both FR1 and FR2

Spurious response requirement for E-UTRA single carrier and CA operation specified in clauses 7.7.1 and 7.7.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.7 and 7.7A of TS 38.101-1 [2] apply for lowest level EN-DC fallbacks (three bands) in clause 5.5B.6.2 with only E-UTRA UL with output power as in TS 36.101 [4] (4 dB below $P_{CMAX_L}$).

## 7.7E Spurious response for V2X in FR1

For intra-band V2X operation, the spurious response specified in clause 7.7.1G in TS 36.101 [4] and specified in clause 7.7E in TS 38.101-1 [2] apply when all SL reception CCs are activated at same time.

For the inter-band con-current NR V2X operation, the requirements specified in subclause 7.7E of TS 38.101-1 [2] shall apply for the NR sidelink reception in Band n47 and the requirements specified in subclause 7.7.1 of TS 36.101 [4] shall apply for the E-UTRA downlink reception in licensed band while all downlink carriers are active.

## 7.8 Void

## 7.8A Intermodulation characteristics for CA

For inter-band NR CA between FR1 and FR2, the intermodulation characteristics specified in TS 38.101-1 [2] apply for FR1.

## 7.8B Intermodulation characteristics for DC in FR1

### 7.8B.1 General

### 7.8B.2 Wide band Intermodulation

#### 7.8B.2.1 Intra-band contiguous EN-DC in FR1

Intra-band contiguous EN-DC wide band intermodulation requirement and parameters are defined in Table 7.8B.2.1-1.

**Table 7.8B.2.1-1: Wide band intermodulation**

| **EN-DC Aggregated Bandwidth, MHz** | <=100 | >100, <=120 | >120, <=140 | >140, <=160 |
|---|---|---|---|---|
| **Pw in Transmission Bandwidth Configuration, perCC, dBm** | $P_W$ [1] | REFSENS + Aggregated BW specific value below | | |
| | | 16.8 | 17.5 | 18.0 |
| **$P_{interferer\ 1}$, dBm (CW)[2]** | -46 | | | |
| **$P_{interferer\ 2}$, dBm (Modulated)[2]** | -46 | | | |

NOTE 1: $P_W$ is wanted signal power level from Table 7.8.1A-1 in TS 36.101 [4]
NOTE 2: Jammer BW and offsets is from Table 7.8.1A-1 [4] and is applied from the lowest edge of the lowest carrier and the highest edge of the highest carrier
NOTE 3: For NR carrier, the transmitter shall be set to 4dB below $P_{CMAX_L,f,c,NR}$ at the minimum uplink configuration specified in Table 7.3.2-3 [2] with $P_{CMAX_L,f,c,NR}$ as defined in clause 6.2B.4.
NOTE 4: For E-UTRA carrier, the transmitter shall be set to 4dB below $P_{CMAX_L_E\text{-}UTRA,c}$ at the minimum uplink configuration specified in Table 7.3.1-2 [4] with $P_{CMAX_L_E\text{-}UTRA,c}$ as defined in clause 6.2B.4 for single carrier.

### 7.8B.2.2 Intra-band non-contiguous EN-DC in FR1

For the E-UTRA sub-block containing one or multiple CC's, the requirement is defined in clause 7.8.1 for single carrier operation and in clause 7.8.1A for CA in TS 36.101 [4].

For the NR sub-block, the requirement is defined in clause 7.8.2 in TS 38.101-1 [2].

The blocker configuration is defined in the general clause 7.1 and the requirement only apply for out of gap interferers.

### 7.8B.2.3 Inter-band EN-DC within FR1

Wide band Intermodulation requirement for E-UTRA single carrier and CA operation specified in clauses 7.8.1 and 7.8.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.8.2 and 7.8A.2 of TS 38.101-1 [2] apply.

### 7.8B.2.3a Inter-band NE-DC within FR1

Wide band Intermodulation requirement for E-UTRA single carrier and CA operation specified in clauses 7.8.1 and 7.8.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.8.2 and 7.8A.2 of TS 38.101-1 [2] apply.

### 7.8B.2.4 Inter-band EN-DC including FR2

Wide band Intermodulation requirement for E-UTRA single carrier and CA operation specified in clauses 7.8.1 and 7.8.1A of TS 36.101 [4] apply.

### 7.8B.2.4a Inter-band NE-DC including FR2

Wide band Intermodulation requirement for E-UTRA single carrier and CA operation specified in clauses 7.8.1 and 7.8.1A of TS 36.101 [4] apply.

### 7.8B.2.5 Inter-band EN-DC including both FR1 and FR2

Wide band Intermodulation requirement for E-UTRA single carrier and CA operation specified in clauses 7.8.1 and 7.8.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.8.2 and 7.8A.2 of TS 38.101-1 [2] apply.

# 7.8E Intermodulation characteristics for V2X operation in FR1

For intra-band V2X operation, the intermodulation characteristics specified in clause 7.8.1G in TS 36.101 [4] and specified in clause 7.8E in TS 38.101-1 [2] apply when all SL reception CCs are activated at same time.

For inter-band NR V2X con-current operation, the wideband inter-modulation requirement specified in clause 7.8E in TS 38.101-1 [2] shall apply on NR V2X carrier and the requirement specified in clause 7.8.1 in TS 36.101 [4] shall apply on E-UTRA downlink reception in licensed band while all downlink carriers are active. $P_{Interferer}$ power is increased by $\Delta R_{IB,c}$ in the requirement.

# 7.9 Void

# 7.9A Spurious emissions for CA

For inter-band NR CA between FR1 and FR2, the spurious emission specified in TS 38.101-1 [2] and TS 38.101-2 [3] apply for FR1 and FR2 respectively.

# 7.9B Spurious emissions for DC in FR1

## 7.9B.1 Intra-band contiguous EN-DC in FR1

The requirement is defined in clause 7.9A.1 in TS 38.101-1 [2].

## 7.9B.2 Intra-band non-contiguous EN-DC in FR1

Spurious emissions requirement for E-UTRA single carrier and CA operation specified in clauses 7.9.1 and 7.9.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.9 and 7.9A of TS 38.101-1 [2] apply.

## 7.9B.3 Inter-band EN-DC within FR1

E-UTRA requirements from TS 36.101 [4] and NR requirements from TS 38.101-1 [2] apply.

## 7.9B.3a Inter-band NE-DC within FR1

E-UTRA requirements from TS 36.101 [4] and NR requirements from TS 38.101-1 [2] apply.

## 7.9B.4 Inter-band EN-DC including FR2

Spurious emissions requirement for E-UTRA single carrier and CA operation specified in clauses 7.9.1 and 7.9.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 7.9 of TS 38.101-2 [3] apply.

## 7.9B.4a Inter-band NE-DC including FR2

Spurious emissions requirement for E-UTRA single carrier and CA operation specified in clauses 7.9.1 and 7.9.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clause 7.9 of TS 38.101-2 [3] apply.

## 7.9B.5 Inter-band EN-DC including both FR1 and FR2

Spurious emissions requirement for E-UTRA single carrier and CA operation specified in clauses 7.9.1 and 7.9.1A of TS 36.101 [4] and for NR single carrier and CA operation specified in clauses 7.9 and 7.9A of TS 38.101-1 [2] and TS 38.101-2 [3] apply.

# Annex A (normative): Measurement channels

## A.1 General

The throughput values defined in the measurement channels specified in Annex A, are calculated and are valid per datastream (codeword). For multi-stream (more than one codeword) transmissions, the throughput referenced in the minimum requirements is the sum of throughputs of all datastreams (codewords).

The UE category entry in the definition of the reference measurement channel in Annex A is only informative and reveals the UE categories, which can support the corresponding measurement channel. Whether the measurement channel is used for testing a certain UE category or not is specified in the individual minimum requirements.

## A.2 UL reference measurement channels for E-UTRA TDD Config 2

### A.2.1 General

The measurement channels in the following clauses are defined to derive the requirements in clause 6 (Transmitter Characteristics) and clause 7 (Receiver Characteristics). The measurement channels represent example configurations of physical channels for different data rates.

# A.2.2 Reference measurement channels for E-UTRA

## A.2.2.1 Full RB allocation

### A.2.2.1.1 QPSK

**Table A.2.2.1.1-1: Reference Channels for QPSK with full RB allocation**

| Parameter | Unit | Value | | | | | |
|---|---|---|---|---|---|---|---|
| Channel bandwidth | MHz | 1.4 | 3 | 5 | 10 | 15 | 20 |
| Allocated resource blocks | | 6 | 15 | 25 | 50 | 75 | 100 |
| Uplink-Downlink Configuration (NOTE 2) | | 2 | 2 | 2 | 2 | 2 | 2 |
| Special subframe configuration (NOTE 3) | | 7 | 7 | 7 | 7 | 7 | 7 |
| DFT-OFDM Symbols per Sub-Frame | | 12 | 12 | 12 | 12 | 12 | 12 |
| Modulation | | QPSK | QPSK | QPSK | QPSK | QPSK | QPSK |
| Target Coding rate | | 1/3 | 1/3 | 1/3 | 1/3 | 1/5 | 1/6 |
| Payload size | | | | | | | |
| For Sub-Frame 2,7 | Bits | 600 | 1544 | 2216 | 5160 | 4392 | 4584 |
| Transport block CRC | Bits | 24 | 24 | 24 | 24 | 24 | 24 |
| Number of code blocks per Sub-Frame (NOTE 1) | | | | | | | |
| For Sub-Frame 2,7 | | 1 | 1 | 1 | 1 | 1 | 1 |
| Total number of bits per Sub-Frame | | | | | | | |
| For Sub-Frame 2,7 | Bits | 1728 | 4320 | 7200 | 14400 | 21600 | 28800 |
| Total symbols per Sub-Frame | | | | | | | |
| For Sub-Frame 2,7 | | 864 | 2160 | 3600 | 7200 | 10800 | 14400 |
| UE Category | | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |
| NOTE 1: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit)<br>NOTE 2: As per Table 4.2-2 in TS 36.211 [7]<br>NOTE 3: As per Table 4.2-1 in TS 36.211 [7] | | | | | | | |

### A.2.2.1.2 16-QAM

**Table A.2.2.1.2-1: Reference Channels for 16-QAM with full RB allocation**

| Parameter | Unit | Value | | | | | |
|---|---|---|---|---|---|---|---|
| Channel bandwidth | MHz | 1.4 | 3 | 5 | 10 | 15 | 20 |
| Allocated resource blocks | | 6 | 15 | 25 | 50 | 75 | 100 |
| Uplink-Downlink Configuration (NOTE 2) | | 2 | 2 | 2 | 2 | 2 | 2 |
| Special subframe configuration (NOTE 3) | | 7 | 7 | 7 | 7 | 7 | 7 |
| DFT-OFDM Symbols per Sub-Frame | | 12 | 12 | 12 | 12 | 12 | 12 |
| Modulation | | 16QAM | 16QAM | 16QAM | 16QAM | 16QAM | 16QAM |
| Target Coding rate | | 3/4 | 1/2 | 1/3 | 3/4 | 1/2 | 1/3 |
| Payload size | | | | | | | |
| For Sub-Frame 2,7 | Bits | 2600 | 4264 | 4968 | 21384 | 21384 | 19848 |
| Transport block CRC | Bits | 24 | 24 | 24 | 24 | 24 | 24 |
| Number of code blocks per Sub-Frame (NOTE 1) | | | | | | | |
| For Sub-Frame 2,7 | | 1 | 1 | 1 | 4 | 4 | 4 |
| Total number of bits per Sub-Frame | | | | | | | |
| For Sub-Frame 2,7 | Bits | 3456 | 8640 | 14400 | 28800 | 43200 | 57600 |
| Total symbols per Sub-Frame | | | | | | | |
| For Sub-Frame 2,7 | | 864 | 2160 | 3600 | 7200 | 10800 | 14400 |
| UE Category | | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 2 | ≥ 2 | ≥ 2 |
| NOTE 1: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit)<br>NOTE 2: As per Table 4.2-2 in TS 36.211 [7]<br>NOTE 3: As per Table 4.2-1 in TS 36.211 [7] | | | | | | | |

### A.2.2.1.3 64-QAM

**Table A.2.2.1.3-1: Reference Channels for 64-QAM with full RB allocation**

| Parameter | Unit | Value | | | | | |
|---|---|---|---|---|---|---|---|
| Channel bandwidth | MHz | 1.4 | 3 | 5 | 10 | 15 | 20 |
| Allocated resource blocks | | 6 | 15 | 25 | 50 | 75 | 100 |
| Uplink-Downlink Configuration (NOTE 2) | | 2 | 2 | 2 | 2 | 2 | 2 |
| Special subframe configuration (NOTE 3) | | 7 | 7 | 7 | 7 | 7 | 7 |
| DFT-OFDM Symbols per Sub-Frame | | 12 | 12 | 12 | 12 | 12 | 12 |
| Modulation | | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Target Coding rate | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| Payload size | | | | | | | |
| For Sub-Frame 2,7 | Bits | 3752 | 9528 | 15840 | 31704 | 46888 | 63776 |
| Transport block CRC | Bits | 24 | 24 | 24 | 24 | 24 | 24 |
| Number of code blocks per Sub-Frame (NOTE 1) | | | | | | | |
| For Sub-Frame 2,7 | | 1 | 2 | 3 | 6 | 8 | 11 |
| Total number of bits per Sub-Frame | | | | | | | |
| For Sub-Frame 2,7 | Bits | 5184 | 12960 | 21600 | 43200 | 64800 | 86400 |
| Total symbols per Sub-Frame | | | | | | | |
| For Sub-Frame 2,7 | | 864 | 2160 | 3600 | 7200 | 10800 | 14400 |
| UE Category (NOTE 4) | | 5, 8 | 5, 8 | 5, 8 | 5, 8 | 5, 8 | 5, 8 |
| UE UL Cateogry (NOTE 4) | | 5, 8, 13, 14 | 5, 8, 13, 14 | 5, 8, 13, 14 | 5, 8, 13, 14 | 5, 8, 13, 14 | 5, 8, 13, 14 |

NOTE 1: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit)
NOTE 2: As per Table 4.2-2 in TS 36.211 [7]
NOTE 3: As per Table 4.2-1 in TS 36.211 [7]
NOTE 4: If UE does not report UE UL category, then the applicability of reference channel is determined by UE category. If UE reports UE UL category, then the applicability of reference channel is determined by UE UL category.

### A.2.2.1.4 256 QAM

**Table A.2.2.1.4-1: Reference Channels for 256 QAM with full RB allocation**

| Parameter | Unit | Value | | | | | |
|---|---|---|---|---|---|---|---|
| Channel bandwidth | MHz | 1.4 | 3 | 5 | 10 | 15 | 20 |
| Allocated resource blocks | | 6 | 15 | 25 | 50 | 75 | 100 |
| Uplink-Downlink Configuration (NOTE 2) | | 2 | 2 | 2 | 2 | 2 | 2 |
| Special subframe configuration (NOTE 3) | | 7 | 7 | 7 | 7 | 7 | 7 |
| DFT-OFDM Symbols per Sub-Frame | | 12 | 12 | 12 | 12 | 12 | 12 |
| Modulation | | 256QAM | 256QAM | 256QAM | 256QAM | 256QAM | 256QAM |
| Target Coding rate | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| Payload size | | | | | | | |
| For Sub-Frame 2,7 | Bits | 5160 | 12960 | 21384 | 42368 | 63776 | 84760 |
| Transport block CRC | Bits | 24 | 24 | 24 | 24 | 24 | 24 |
| Number of code blocks per Sub-Frame (NOTE 1) | | | | | | | |
| For Sub-Frame 2,7 | | 1 | 3 | 4 | 8 | 11 | 15 |
| Total number of bits per Sub-Frame | | | | | | | |
| For Sub-Frame 2,7 | Bits | 6912 | 17280 | 28800 | 57600 | 86400 | 115200 |
| Total symbols per Sub-Frame | | | | | | | |
| For Sub-Frame 2,7 | | 864 | 2160 | 3600 | 7200 | 10800 | 14400 |
| UE UL Cateogry | | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 | ≥ 15 |
| NOTE 1: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit)<br>NOTE 2: As per Table 4.2-2 in TS 36.211 [7]<br>NOTE 3: As per Table 4.2-1 in TS 36.211 [7] | | | | | | | |

### A.2.2.2 Partial RB allocation

#### A.2.2.2.1 QPSK

**Table A.2.2.2.1-1: Reference Channels for QPSK with partial RB allocation**

| Parameter | Ch BW | Allocated RBs | UL-DL Configuration (NOTE 2) | Special subframe configuration (NOTE 3) | DFT-OFDM Symbols per Sub-Frame | Mod'n | Target Coding rate | Payload size for Sub-Frame 2, 7 | Transport block CRC | Number of code blocks per Sub-Frame (NOTE 1) | Total number of bits per Sub-Frame for Sub-Frame 2, 7 | Total symbols per Sub-Frame for Sub-Frame 2, 7 | UE Category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | MHz | | | | | | | Bits | Bits | | Bits | | |
| | 1.4 - 20 | 1 | 2 | 7 | 12 | QPSK | 1/3 | 72 | 24 | 1 | 288 | 144 | ≥ 1 |
| | 1.4 - 20 | 2 | 2 | 7 | 12 | QPSK | 1/3 | 176 | 24 | 1 | 576 | 288 | ≥ 1 |
| | 1.4 - 20 | 3 | 2 | 7 | 12 | QPSK | 1/3 | 256 | 24 | 1 | 864 | 432 | ≥ 1 |
| | 1.4 - 20 | 4 | 2 | 7 | 12 | QPSK | 1/3 | 392 | 24 | 1 | 1152 | 576 | ≥ 1 |
| | 1.4 - 20 | 5 | 2 | 7 | 12 | QPSK | 1/3 | 424 | 24 | 1 | 1440 | 720 | ≥ 1 |
| | 3-20 | 6 | 2 | 7 | 12 | QPSK | 1/3 | 600 | 24 | 1 | 1728 | 864 | ≥ 1 |
| | 3-20 | 8 | 2 | 7 | 12 | QPSK | 1/3 | 808 | 24 | 1 | 2304 | 1152 | ≥ 1 |
| | 3-20 | 9 | 2 | 7 | 12 | QPSK | 1/3 | 776 | 24 | 1 | 2592 | 1296 | ≥ 1 |
| | 3-20 | 10 | 2 | 7 | 12 | QPSK | 1/3 | 872 | 24 | 1 | 2880 | 1440 | ≥ 1 |
| | 3-20 | 12 | 2 | 7 | 12 | QPSK | 1/3 | 1224 | 24 | 1 | 3456 | 1728 | ≥ 1 |
| | 5-20 | 15 | 2 | 7 | 12 | QPSK | 1/3 | 1320 | 24 | 1 | 4320 | 2160 | ≥ 1 |
| | 5-20 | 16 | 2 | 7 | 12 | QPSK | 1/3 | 1384 | 24 | 1 | 4608 | 2304 | ≥ 1 |
| | 5-20 | 18 | 2 | 7 | 12 | QPSK | 1/3 | 1864 | 24 | 1 | 5184 | 2592 | ≥ 1 |
| | 5-20 | 20 | 2 | 7 | 12 | QPSK | 1/3 | 1736 | 24 | 1 | 5760 | 2880 | ≥ 1 |
| | 5-20 | 24 | 2 | 7 | 12 | QPSK | 1/3 | 2472 | 24 | 1 | 6912 | 3456 | ≥ 1 |
| | 10-20 | 25 | 2 | 7 | 12 | QPSK | 1/3 | 2216 | 24 | 1 | 7200 | 3600 | ≥ 1 |
| | 10-20 | 27 | 2 | 7 | 12 | QPSK | 1/3 | 2792 | 24 | 1 | 7776 | 3888 | ≥ 1 |
| | 10-20 | 30 | 2 | 7 | 12 | QPSK | 1/3 | 2664 | 24 | 1 | 8640 | 4320 | ≥ 1 |
| | 10-20 | 32 | 2 | 7 | 12 | QPSK | 1/3 | 2792 | 24 | 1 | 9216 | 4608 | ≥ 1 |
| | 10-20 | 36 | 2 | 7 | 12 | QPSK | 1/3 | 3752 | 24 | 1 | 10368 | 5184 | ≥ 1 |
| | 10-20 | 40 | 2 | 7 | 12 | QPSK | 1/3 | 4136 | 24 | 1 | 11520 | 5760 | ≥ 1 |
| | 10-20 | 45 | 2 | 7 | 12 | QPSK | 1/3 | 4008 | 24 | 1 | 12960 | 6480 | ≥ 1 |
| | 10-20 | 48 | 2 | 7 | 12 | QPSK | 1/3 | 4264 | 24 | 1 | 13824 | 6912 | ≥ 1 |
| | 15 - 20 | 50 | 2 | 7 | 12 | QPSK | 1/3 | 5160 | 24 | 1 | 14400 | 7200 | ≥ 1 |
| | 15 - 20 | 54 | 2 | 7 | 12 | QPSK | 1/3 | 4776 | 24 | 1 | 15552 | 7776 | ≥ 1 |
| | 15 - 20 | 60 | 2 | 7 | 12 | QPSK | 1/4 | 4264 | 24 | 1 | 17280 | 8640 | ≥ 1 |
| | 15 - 20 | 64 | 2 | 7 | 12 | QPSK | 1/4 | 4584 | 24 | 1 | 18432 | 9216 | ≥ 1 |
| | 15 - 20 | 72 | 2 | 7 | 12 | QPSK | 1/4 | 5160 | 24 | 1 | 20736 | 10368 | ≥ 1 |
| | 20 | 75 | 2 | 7 | 12 | QPSK | 1/5 | 4392 | 24 | 1 | 21600 | 10800 | ≥ 1 |
| | 20 | 80 | 2 | 7 | 12 | QPSK | 1/5 | 4776 | 24 | 1 | 23040 | 11520 | ≥ 1 |
| | 20 | 81 | 2 | 7 | 12 | QPSK | 1/5 | 4776 | 24 | 1 | 23328 | 11664 | ≥ 1 |
| | 20 | 90 | 2 | 7 | 12 | QPSK | 1/6 | 4008 | 24 | 1 | 25920 | 12960 | ≥ 1 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 96 | 2 | 7 | 12 | QPSK | 1/6 | 4264 | 24 | 1 | 27648 | 13824 | ≥ 1 |

NOTE 1: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit)
NOTE 2: As per Table 4.2-2 in TS 36.211 [7]
NOTE 3: As per Table 4.2-1 in TS 36.211 [7]

#### A.2.2.2.2 16-QAM

**Table A.2.2.2.2-1: Reference Channels for 16QAM with partial RB allocation**

| Parameter | Ch BW | Allocated RBs | UL-DL Configuration (NOTE 2) | Special subframe configuration (NOTE 3) | DFT-OFDM Symbols per Sub-Frame | Mod'n | Target Coding rate | Payload size for Sub-Frame 2, 7 | Transport block CRC | Number of code blocks per Sub-Frame (NOTE 1) | Total number of bits per Sub-Frame for Sub-Frame 2, 7 | Total symbols per Sub-Frame for Sub-Frame 2, 7 | UE Category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | MHz | | | | | | | Bits | Bits | | Bits | | |
| | 1.4 - 20 | 1 | 2 | 7 | 12 | 16QAM | 3/4 | 408 | 24 | 1 | 576 | 144 | ≥ 1 |
| | 1.4 - 20 | 2 | 2 | 7 | 12 | 16QAM | 3/4 | 840 | 24 | 1 | 1152 | 288 | ≥ 1 |
| | 1.4 - 20 | 3 | 2 | 7 | 12 | 16QAM | 3/4 | 1288 | 24 | 1 | 1728 | 432 | ≥ 1 |
| | 1.4 - 20 | 4 | 2 | 7 | 12 | 16QAM | 3/4 | 1736 | 24 | 1 | 2304 | 576 | ≥ 1 |
| | 1.4 - 20 | 5 | 2 | 7 | 12 | 16QAM | 3/4 | 2152 | 24 | 1 | 2880 | 720 | ≥ 1 |
| | 3-20 | 6 | 2 | 7 | 12 | 16QAM | 3/4 | 2600 | 24 | 1 | 3456 | 864 | ≥ 1 |
| | 3-20 | 8 | 2 | 7 | 12 | 16QAM | 3/4 | 3496 | 24 | 1 | 4608 | 1152 | ≥ 1 |
| | 3-20 | 9 | 2 | 7 | 12 | 16QAM | 3/4 | 3880 | 24 | 1 | 5184 | 1296 | ≥ 1 |
| | 3-20 | 10 | 2 | 7 | 12 | 16QAM | 3/4 | 4264 | 24 | 1 | 5760 | 1440 | ≥ 1 |
| | 3-20 | 12 | 2 | 7 | 12 | 16QAM | 3/4 | 5160 | 24 | 1 | 6912 | 1728 | ≥ 1 |
| | 5-20 | 15 | 2 | 7 | 12 | 16QAM | 1/2 | 4264 | 24 | 1 | 8640 | 2160 | ≥ 1 |
| | 5-20 | 16 | 2 | 7 | 12 | 16QAM | 1/2 | 4584 | 24 | 1 | 9216 | 2304 | ≥ 1 |
| | 5-20 | 18 | 2 | 7 | 12 | 16QAM | 1/2 | 5160 | 24 | 1 | 10368 | 2592 | ≥ 1 |
| | 5-20 | 20 | 2 | 7 | 12 | 16QAM | 1/3 | 4008 | 24 | 1 | 11520 | 2880 | ≥ 1 |
| | 5-20 | 24 | 2 | 7 | 12 | 16QAM | 1/3 | 4776 | 24 | 1 | 13824 | 3456 | ≥ 1 |
| | 10-20 | 25 | 2 | 7 | 12 | 16QAM | 1/3 | 4968 | 24 | 1 | 14400 | 3600 | ≥ 1 |
| | 10-20 | 27 | 2 | 7 | 12 | 16QAM | 1/3 | 4776 | 24 | 1 | 15552 | 3888 | ≥ 1 |
| | 10-20 | 30 | 2 | 7 | 12 | 16QAM | 3/4 | 12960 | 24 | 3 | 17280 | 4320 | ≥ 2 |
| | 10-20 | 32 | 2 | 7 | 12 | 16QAM | 3/4 | 13536 | 24 | 3 | 18432 | 4608 | ≥ 2 |
| | 10-20 | 36 | 2 | 7 | 12 | 16QAM | 3/4 | 15264 | 24 | 3 | 20736 | 5184 | ≥ 2 |
| | 10-20 | 40 | 2 | 7 | 12 | 16QAM | 3/4 | 16992 | 24 | 3 | 23040 | 5760 | ≥ 2 |
| | 10-20 | 45 | 2 | 7 | 12 | 16QAM | 3/4 | 19080 | 24 | 4 | 25920 | 6480 | ≥ 2 |
| | 10-20 | 48 | 2 | 7 | 12 | 16QAM | 3/4 | 20616 | 24 | 4 | 27648 | 6912 | ≥ 2 |
| | 15 - 20 | 50 | 2 | 7 | 12 | 16QAM | 3/4 | 21384 | 24 | 4 | 28800 | 7200 | ≥ 2 |
| | 15 - 20 | 54 | 2 | 7 | 12 | 16QAM | 3/4 | 22920 | 24 | 4 | 31104 | 7776 | ≥ 2 |
| | 15 - 20 | 60 | 2 | 7 | 12 | 16QAM | 2/3 | 23688 | 24 | 4 | 34560 | 8640 | ≥ 2 |
| | 15 - 20 | 64 | 2 | 7 | 12 | 16QAM | 2/3 | 25456 | 24 | 4 | 36864 | 9216 | ≥ 2 |
| | 15 - 20 | 72 | 2 | 7 | 12 | 16QAM | 1/2 | 20616 | 24 | 4 | 41472 | 10368 | ≥ 2 |
| | 20 | 75 | 2 | 7 | 12 | 16QAM | 1/2 | 21384 | 24 | 4 | 43200 | 10800 | ≥ 2 |
| | 20 | 80 | 2 | 7 | 12 | 16QAM | 1/2 | 22920 | 24 | 4 | 46080 | 11520 | ≥ 2 |
| | 20 | 81 | 2 | 7 | 12 | 16QAM | 1/2 | 22920 | 24 | 4 | 46656 | 11664 | ≥ 2 |
| | 20 | 90 | 2 | 7 | 12 | 16QAM | 2/5 | 20616 | 24 | 4 | 51840 | 12960 | ≥ 2 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 96 | 2 | 7 | 12 | 16QAM | 2/5 | 22152 | 24 | 4 | 55296 | 13824 | ≥ 2 |

NOTE 1: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit)
NOTE 2: As per Table 4.2-2 in TS 36.211 [7]
NOTE 3: As per Table 4.2-1 in TS 36.211 [7]

#### A.2.2.2.3 64-QAM

**Table A.2.2.2.3-1: Reference Channels for 64-QAM with partial RB allocation**

| Parameter | Ch BW | Allocated RBs | UL-DL Configuration (NOTE 2) | Special subframe configuration (NOTE 3) | DFT-OFDM Symbols per Sub-Frame | Mod'n | Target Coding rate | Payload size for Sub-Frame 2, 7 | Trans-port block CRC | Number of code blocks per Sub-Frame (NOTE 1) | Total number of bits per Sub-Frame for Sub-Frame 2, 7 | Total symbols per Sub-Frame for Sub-Frame 2, 7 | UE Category (NOTE 4) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | MHz | | | | | | | Bits | Bits | | Bits | | |
| | 1.4 - 20 | 1 | 2 | 7 | 12 | 64QAM | 3/4 | 616 | 24 | 1 | 864 | 144 | 5,8 |
| | 1.4 - 20 | 2 | 2 | 7 | 12 | 64QAM | 3/4 | 1256 | 24 | 1 | 1728 | 288 | 5,8 |
| | 1.4 - 20 | 3 | 2 | 7 | 12 | 64QAM | 3/4 | 1864 | 24 | 1 | 2592 | 432 | 5,8 |
| | 1.4 - 20 | 4 | 2 | 7 | 12 | 64QAM | 3/4 | 2536 | 24 | 1 | 3456 | 576 | 5,8 |
| | 1.4 - 20 | 5 | 2 | 7 | 12 | 64QAM | 3/4 | 3112 | 24 | 1 | 4320 | 720 | 5,8 |
| | 3-20 | 6 | 2 | 7 | 12 | 64QAM | 3/4 | 3752 | 24 | 1 | 5184 | 864 | 5,8 |
| | 3-20 | 8 | 2 | 7 | 12 | 64QAM | 3/4 | 5160 | 24 | 1 | 6912 | 1152 | 5,8 |
| | 3-20 | 9 | 2 | 7 | 12 | 64QAM | 3/4 | 5736 | 24 | 1 | 7776 | 1296 | 5,8 |
| | 3-20 | 10 | 2 | 7 | 12 | 64QAM | 3/4 | 6200 | 24 | 2 | 8640 | 1440 | 5,8 |
| | 3-20 | 12 | 2 | 7 | 12 | 64QAM | 3/4 | 7480 | 24 | 2 | 10368 | 1728 | 5,8 |
| | 5-20 | 15 | 2 | 7 | 12 | 64QAM | 3/4 | 9528 | 24 | 2 | 12960 | 2160 | 5,8 |
| | 5-20 | 16 | 2 | 7 | 12 | 64QAM | 3/4 | 10296 | 24 | 2 | 13824 | 2304 | 5,8 |
| | 5-20 | 18 | 2 | 7 | 12 | 64QAM | 3/4 | 11448 | 24 | 2 | 15552 | 2592 | 5,8 |
| | 5-20 | 20 | 2 | 7 | 12 | 64QAM | 3/4 | 12576 | 24 | 3 | 17280 | 2880 | 5,8 |
| | 5-20 | 24 | 2 | 7 | 12 | 64QAM | 3/4 | 15264 | 24 | 3 | 20736 | 3456 | 5,8 |
| | 10-20 | 25 | 2 | 7 | 12 | 64QAM | 3/4 | 15840 | 24 | 3 | 21600 | 3600 | 5,8 |
| | 10-20 | 27 | 2 | 7 | 12 | 64QAM | 3/4 | 16992 | 24 | 3 | 23328 | 3888 | 5,8 |
| | 10-20 | 30 | 2 | 7 | 12 | 64QAM | 3/4 | 19080 | 24 | 4 | 25920 | 4320 | 5,8 |
| | 10-20 | 32 | 2 | 7 | 12 | 64QAM | 3/4 | 20616 | 24 | 4 | 27648 | 4608 | 5,8 |
| | 10-20 | 36 | 2 | 7 | 12 | 64QAM | 3/4 | 22920 | 24 | 4 | 31104 | 5184 | 5,8 |
| | 10-20 | 40 | 2 | 7 | 12 | 64QAM | 3/4 | 25456 | 24 | 5 | 34560 | 5760 | 5,8 |
| | 10-20 | 45 | 2 | 7 | 12 | 64QAM | 3/4 | 28336 | 24 | 5 | 38880 | 6480 | 5,8 |
| | 10-20 | 48 | 2 | 7 | 12 | 64QAM | 3/4 | 30576 | 24 | 5 | 41472 | 6912 | 5,8 |
| | 15 - 20 | 50 | 2 | 7 | 12 | 64QAM | 3/4 | 31704 | 24 | 6 | 43200 | 7200 | 5,8 |
| | 15 - 20 | 54 | 2 | 7 | 12 | 64QAM | 3/4 | 34008 | 24 | 6 | 46656 | 7776 | 5,8 |
| | 15 - 20 | 60 | 2 | 7 | 12 | 64QAM | 3/4 | 37888 | 24 | 7 | 51840 | 8640 | 5,8 |
| | 15 - 20 | 64 | 2 | 7 | 12 | 64QAM | 3/4 | 40576 | 24 | 7 | 55296 | 9216 | 5,8 |
| | 1.4 - 20 | 1 | 2 | 7 | 12 | 64QAM | 3/4 | 616 | 24 | 1 | 864 | 144 | 5,8 |
| | 1.4 - 20 | 2 | 2 | 7 | 12 | 64QAM | 3/4 | 1256 | 24 | 1 | 1728 | 288 | 5,8 |
| | 1.4 - 20 | 3 | 2 | 7 | 12 | 64QAM | 3/4 | 1864 | 24 | 1 | 2592 | 432 | 5,8 |
| | 1.4 - 20 | 4 | 2 | 7 | 12 | 64QAM | 3/4 | 2536 | 24 | 1 | 3456 | 576 | 5,8 |
| | 1.4 - 20 | 5 | 2 | 7 | 12 | 64QAM | 3/4 | 3112 | 24 | 1 | 4320 | 720 | 5,8 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3-20 | 6 | 2 | 7 | 12 | 64QAM | 3/4 | 3752 | 24 | 1 | 5184 | 864 | 5,8 |
| | 3-20 | 8 | 2 | 7 | 12 | 64QAM | 3/4 | 5160 | 24 | 1 | 6912 | 1152 | 5,8 |
| | 3-20 | 9 | 2 | 7 | 12 | 64QAM | 3/4 | 5736 | 24 | 1 | 7776 | 1296 | 5,8 |
| | 3-20 | 10 | 2 | 7 | 12 | 64QAM | 3/4 | 6200 | 24 | 2 | 8640 | 1440 | 5,8 |
| | 3-20 | 12 | 2 | 7 | 12 | 64QAM | 3/4 | 7480 | 24 | 2 | 10368 | 1728 | 5,8 |
| | 5-20 | 15 | 2 | 7 | 12 | 64QAM | 3/4 | 9528 | 24 | 2 | 12960 | 2160 | 5,8 |
| | 5-20 | 16 | 2 | 7 | 12 | 64QAM | 3/4 | 10296 | 24 | 2 | 13824 | 2304 | 5,8 |
| | 5-20 | 18 | 2 | 7 | 12 | 64QAM | 3/4 | 11448 | 24 | 2 | 15552 | 2592 | 5,8 |
| | 5-20 | 20 | 2 | 7 | 12 | 64QAM | 3/4 | 12576 | 24 | 3 | 17280 | 2880 | 5,8 |
| | 5-20 | 24 | 2 | 7 | 12 | 64QAM | 3/4 | 15264 | 24 | 3 | 20736 | 3456 | 5,8 |
| | 10-20 | 25 | 2 | 7 | 12 | 64QAM | 3/4 | 15840 | 24 | 3 | 21600 | 3600 | 5,8 |
| | 10-20 | 27 | 2 | 7 | 12 | 64QAM | 3/4 | 16992 | 24 | 3 | 23328 | 3888 | 5,8 |
| | 10-20 | 30 | 2 | 7 | 12 | 64QAM | 3/4 | 19080 | 24 | 4 | 25920 | 4320 | 5,8 |
| | 15 - 20 | 50 | 2 | 7 | 12 | 64QAM | 3/4 | 31704 | 24 | 6 | 43200 | 7200 | 5,8 |
| | 15 - 20 | 54 | 2 | 7 | 12 | 64QAM | 3/4 | 34008 | 24 | 6 | 46656 | 7776 | 5,8 |
| | 15 - 20 | 60 | 2 | 7 | 12 | 64QAM | 3/4 | 37888 | 24 | 7 | 51840 | 8640 | 5,8 |
| | 15 - 20 | 64 | 2 | 7 | 12 | 64QAM | 3/4 | 40576 | 24 | 7 | 55296 | 9216 | 5,8 |
| | 15 - 20 | 72 | 2 | 7 | 12 | 64QAM | 3/4 | 45352 | 24 | 8 | 62208 | 10368 | 5,8 |
| | 20 | 75 | 2 | 7 | 12 | 64QAM | 3/4 | 46888 | 24 | 8 | 64800 | 10800 | 5,8 |
| | 20 | 80 | 2 | 7 | 12 | 64QAM | 3/4 | 51024 | 24 | 9 | 69120 | 11520 | 5,8 |
| | 20 | 81 | 2 | 7 | 12 | 64QAM | 3/4 | 51024 | 24 | 9 | 69984 | 11664 | 5,8 |
| | 20 | 90 | 2 | 7 | 12 | 64QAM | 3/4 | 51024 | 24 | 9 | 77760 | 12960 | 5,8 |
| | 20 | 96 | 2 | 7 | 12 | 64QAM | 3/4 | 61664 | 24 | 11 | 82944 | 13824 | 5,8 |

NOTE 1: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit)
NOTE 2: As per Table 4.2-2 in TS 36.211 [7].
NOTE 3: As per Table 4.2-1 in TS 36.211 [7]
NOTE 4: If UE does not report UE UL category, then the applicability of reference channel is determined by UE category. If UE reports UE UL category, then the applicability of reference channel is determined by UE UL category

#### A.2.2.2.4 256 QAM

**Table A.2.2.2.4-1: Reference Channels for 256 QAM with partial RB allocation**

| Parameter | Ch BW | Allocated RBs | UL-DL Configuration (NOTE 2) | Special Slot Configuration (NOTE 3) | DFT-OFDM Symbols per Sub-Frame | Mod'n | Target Coding rate | Payload size for Sub-Frame 2, 7 | Trans-port block CRC | Number of code blocks per Sub-Frame (NOTE 1) | Total number of bits per Sub-Frame for Sub-Frame 2, 7 | Total symbols per Sub-Frame for Sub-Frame 2, 7 | UE UL Category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unit | MHz | | | | | | | Bits | Bits | | Bits | | |
| | 1.4 - 20 | 1 | 2 | 7 | 12 | 256QAM | 3/4 | 840 | 24 | 1 | 1152 | 144 | ≥ 15 |
| | 1.4 - 20 | 2 | 2 | 7 | 12 | 256QAM | 3/4 | 1672 | 24 | 1 | 2304 | 288 | ≥ 15 |
| | 1.4 - 20 | 3 | 2 | 7 | 12 | 256QAM | 3/4 | 2536 | 24 | 1 | 3456 | 432 | ≥ 15 |
| | 1.4 - 20 | 4 | 2 | 7 | 12 | 256QAM | 3/4 | 3368 | 24 | 1 | 4608 | 576 | ≥ 15 |
| | 1.4 - 20 | 5 | 2 | 7 | 12 | 256QAM | 3/4 | 4264 | 24 | 1 | 5760 | 720 | ≥ 15 |
| | 3-20 | 6 | 2 | 7 | 12 | 256QAM | 3/4 | 5160 | 24 | 1 | 6912 | 864 | ≥ 15 |
| | 3-20 | 8 | 2 | 7 | 12 | 256QAM | 3/4 | 6712 | 24 | 2 | 9216 | 1152 | ≥ 15 |
| | 3-20 | 9 | 2 | 7 | 12 | 256QAM | 3/4 | 7736 | 24 | 2 | 10368 | 1296 | ≥ 15 |
| | 3-20 | 10 | 2 | 7 | 12 | 256QAM | 3/4 | 8504 | 24 | 2 | 11520 | 1440 | ≥ 15 |
| | 3-20 | 12 | 2 | 7 | 12 | 256QAM | 3/4 | 10296 | 24 | 2 | 13824 | 1728 | ≥ 15 |
| | 5-20 | 15 | 2 | 7 | 12 | 256QAM | 3/4 | 12960 | 24 | 3 | 17280 | 2160 | ≥ 15 |
| | 5-20 | 16 | 2 | 7 | 12 | 256QAM | 3/4 | 13536 | 24 | 3 | 18432 | 2304 | ≥ 15 |
| | 5-20 | 18 | 2 | 7 | 12 | 256QAM | 3/4 | 15264 | 24 | 3 | 20736 | 2592 | ≥ 15 |
| | 5-20 | 20 | 2 | 7 | 12 | 256QAM | 3/4 | 16992 | 24 | 3 | 23040 | 2880 | ≥ 15 |
| | 5-20 | 24 | 2 | 7 | 12 | 256QAM | 3/4 | 20616 | 24 | 4 | 27648 | 3456 | ≥ 15 |
| | 10-20 | 25 | 2 | 7 | 12 | 256QAM | 3/4 | 21384 | 24 | 4 | 28800 | 3600 | ≥ 15 |
| | 10-20 | 27 | 2 | 7 | 12 | 256QAM | 3/4 | 22920 | 24 | 4 | 31104 | 3888 | ≥ 15 |
| | 10-20 | 30 | 2 | 7 | 12 | 256QAM | 3/4 | 25456 | 24 | 5 | 34560 | 4320 | ≥ 15 |
| | 10-20 | 32 | 2 | 7 | 12 | 256QAM | 3/4 | 27376 | 24 | 5 | 36864 | 4608 | ≥ 15 |
| | 10-20 | 36 | 2 | 7 | 12 | 256QAM | 3/4 | 30576 | 24 | 6 | 41472 | 5184 | ≥ 15 |
| | 10-20 | 40 | 2 | 7 | 12 | 256QAM | 3/4 | 34008 | 24 | 6 | 46080 | 5760 | ≥ 15 |
| | 10-20 | 45 | 2 | 7 | 12 | 256QAM | 3/4 | 37888 | 24 | 7 | 51840 | 6480 | ≥ 15 |
| | 10-20 | 48 | 2 | 7 | 12 | 256QAM | 3/4 | 40576 | 24 | 8 | 55296 | 6912 | ≥ 15 |
| | 15 - 20 | 50 | 2 | 7 | 12 | 256QAM | 3/4 | 42368 | 24 | 8 | 57600 | 7200 | ≥ 15 |
| | 15 - 20 | 54 | 2 | 7 | 12 | 256QAM | 3/4 | 46888 | 24 | 8 | 62208 | 7776 | ≥ 15 |
| | 15 - 20 | 60 | 2 | 7 | 12 | 256QAM | 3/4 | 51024 | 24 | 9 | 69120 | 8640 | ≥ 15 |
| | 15 - 20 | 64 | 2 | 7 | 12 | 256QAM | 3/4 | 55056 | 24 | 9 | 73728 | 9216 | ≥ 15 |
| | 15 - 20 | 72 | 2 | 7 | 12 | 256QAM | 3/4 | 61664 | 24 | 11 | 82944 | 10368 | ≥ 15 |
| | 20 | 75 | 2 | 7 | 12 | 256QAM | 3/4 | 63776 | 24 | 11 | 86400 | 10800 | ≥ 15 |
| | 20 | 80 | 2 | 7 | 12 | 256QAM | 3/4 | 68808 | 24 | 12 | 92160 | 11520 | ≥ 15 |
| | 20 | 81 | 2 | 7 | 12 | 256QAM | 3/4 | 68808 | 24 | 12 | 93312 | 11664 | ≥ 15 |
| | 20 | 90 | 2 | 7 | 12 | 256QAM | 3/4 | 76208 | 24 | 13 | 103680 | 12960 | ≥ 15 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 96 | 2 | 7 | 12 | 256QAM | 3/4 | 81176 | 24 | 14 | 110592 | 13824 | ≥ 15 |

NOTE 1: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit)
NOTE 2: As per Table 4.2-2 in TS 36.211 [7]
NOTE 3: As per Table 4.2-1 in TS 36.211 [7]

# A.3 DL reference measurement channels for E-UTRA

## A.3.1 General

The number of available channel bits varies across the sub-frames due to PBCH and PSS/SSS overhead. The payload size per sub-frame is varied in order to keep the code rate constant throughout a frame.

Unless otherwise stated, no user data is scheduled on subframes #5 in order to facilitate the transmission of system information blocks (SIB).

The algorithm for determining the payload size $A$ is as follows; given a desired coding rate $R$ and radio block allocation $N_{RB}$

1. Calculate the number of channel bits $N_{ch}$ that can be transmitted during the first transmission of a given sub-frame.
2. Find $A$ such that the resulting coding rate is as close to $R$ as possible, that is,

$$\min\left|R-(A+24*(N_{CB}+1))/N_{ch}\right|,\ where\ N_{CB}=\begin{cases}0, if\ \ C=1\\ C, if\ \ C>1\end{cases},$$

   subject to

   a) A is a valid TB size according to clause 7.1.7 of TS 36.213 [6] assuming an allocation of $N_{RB}$ resource blocks.

   b) $C$ is the number of Code Blocks calculated according to clause 5.1.2 of TS 36.212 [5].

3. If there is more than one $A$ that minimizes the equation above, then the larger value is chosen per default and the chosen code rate should not exceed 0.93.
4. For TDD, the measurement channel is based on DL/UL configuration ratio of 3DL+DwPTS (10 OFDM symbol SSF7): 1UL

### A.3.1.1 QPSK

**Table A.3.1.1-1: Fixed Reference Channel for Receiver Requirements (TDD)**

| Parameter | Unit | Value | | | | | |
|---|---|---|---|---|---|---|---|
| Channel Bandwidth | MHz | 1.4 | 3 | 5 | 10 | 15 | 20 |
| Allocated resource blocks | | 6 | 15 | 25 | 50 | 75 | 100 |
| Uplink-Downlink Configuration (NOTE 5) | | 2 | 2 | 2 | 2 | 2 | 2 |
| Special subframe configuration (NOTE 6) | | 7 | 7 | 7 | 7 | 7 | 7 |
| Allocated subframes per Radio Frame (D+S) | | 3 | 3+2 | 3+2 | 3+2 | 3+2 | 3+2 |
| Number of HARQ Processes | Processes | 7 | 7 | 7 | 7 | 7 | 7 |
| Maximum number of HARQ transmission | | 1 | 1 | 1 | 1 | 1 | 1 |
| Modulation | | QPSK | QPSK | QPSK | QPSK | QPSK | QPSK |
| Target coding rate | | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 |
| Information Bit Payload per Sub-Frame | Bits | | | | | | |
| For Sub-Frame 3, 4, 8, 9 | | 408 | 1320 | 2216 | 4392 | 6712 | 8760 |
| For Sub-Frame 1, 6 | | N/A | 776 | 1288 | 2664 | 4008 | 5352 |
| For Sub-Frame 5 | | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | | 208 | 1064 | 1800 | 4392 | 6712 | 8760 |
| Transport block CRC | Bits | 24 | 24 | 24 | 24 | 24 | 24 |
| Number of Code Blocks per Sub-Frame (NOTE 4) | | | | | | | |
| For Sub-Frame 3, 4, 8, 9 | | 1 | 1 | 1 | 1 | 2 | 2 |
| For Sub-Frame 1, 6 | | N/A | 1 | 1 | 1 | 1 | 1 |
| For Sub-Frame 5 | | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | | 1 | 1 | 1 | 1 | 2 | 2 |
| Binary Channel Bits Per Sub-Frame | Bits | | | | | | |
| For Sub-Frame 3, 4, 8, 9 | | 1368 | 3780 | 6300 | 13800 | 20700 | 27600 |
| For Sub-Frame 1, 6 | | N/A | 2616 | 4456 | 9056 | 13656 | 18256 |
| For Sub-Frame 5 | | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | | 672 | 3084 | 5604 | 13104 | 20004 | 26904 |
| Max. Throughput averaged over 1 frame | kbps | 102.4 | 564 | 932 | 1965.6 | 3007.2 | 3970.4 |
| UE Category | | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 | ≥ 1 |

NOTE 1: For normal subframes(0,3,4,5,8,9), 2 symbols allocated to PDCCH for 20 MHz, 15 MHz and 10 MHz channel BW; 3 symbols allocated to PDCCH for 5 MHz and 3 MHz; 4 symbols allocated to PDCCH for 1.4 MHz. For special subframe (1&6), only 2 OFDM symbols are allocated to PDCCH for all BWs.
NOTE 2: For 1.4MHz, no data shall be scheduled on special subframes(1&6) to avoid problems with insufficient PDCCH performance
NOTE 3: Reference signal, Synchronization signals and PBCH allocated as per TS 36.211 [7]
NOTE 4: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit).
NOTE 5: As per Table 4.2-2 in TS 36.211 [7]
NOTE 6: As per Table 4.2-1 in TS 36.211 [7]

## A.3.1.2 64-QAM

**Table A.3.1.2-1: Fixed Reference Channel for Maximum input level for UE Categories ≥ 3 (TDD)**

| Parameter | Unit | Value | | | | | |
|---|---|---|---|---|---|---|---|
| Channel bandwidth | MHz | 1.4 | 3 | 5 | 10 | 15 | 20 |
| Allocated resource blocks | | 6 | 15 | 25 | 50 | 75 | 100 |
| Subcarriers per resource block | | 12 | 12 | 12 | 12 | 12 | 12 |
| Uplink-Downlink Configuration (NOTE 5) | | 2 | 2 | 2 | 2 | 2 | 2 |
| Special subframe configuration (NOTE 6) | | 7 | 7 | 7 | 7 | 7 | 7 |
| Allocated subframes per Radio Frame | | 2 | 3+2 | 3+2 | 3+2 | 3+2 | 3+2 |
| Modulation | | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Target Coding Rate | | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |
| Number of HARQ Processes | Processes | 7 | 7 | 7 | 7 | 7 | 7 |
| Maximum number of HARQ transmissions | | 1 | 1 | 1 | 1 | 1 | 1 |
| Information Bit Payload per Sub-Frame | | | | | | | |
| For Sub-Frames 3, 4, 8, 9 | Bits | 2984 | 8504 | 14112 | 30576 | 46888 | 61664 |
| For Sub-Frames 1,6 | Bits | N/A | 5544 | 9528 | 19848 | 30576 | 40576 |
| For Sub-Frame 5 | Bits | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | Bits | N/A | 6968 | 12576 | 30576 | 45352 | 61664 |
| Transport block CRC | Bits | 24 | 24 | 24 | 24 | 24 | 24 |
| Number of Code Blocks per Sub-Frame (NOTE 4) | | | | | | | |
| For Sub-Frames 3, 4, 8, 9 | | 1 | 2 | 3 | 5 | 8 | 11 |
| For Sub-Frames 1,6 | | N/A | 2 | 2 | 4 | 6 | 8 |
| For Sub-Frame 5 | | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | | N/A | 2 | 3 | 5 | 8 | 11 |
| Binary Channel Bits per Sub-Frame | | | | | | | |
| For Sub-Frames 3, 4, 8, 9 | Bits | 4104 | 11340 | 18900 | 41400 | 62100 | 82800 |
| For Sub-Frames 1,6 | | N/A | 7848 | 13368 | 27168 | 40968 | 54768 |
| For Sub-Frame 5 | Bits | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | Bits | N/A | 9252 | 16812 | 39312 | 60012 | 80712 |
| Max. Throughput averaged over 1 frame | kbps | 596.8 | 3791.2 | 6369.6 | 13910 | 20945 | 27877 |

NOTE 1: For normal subframes(0,3,4,5,8,9), 2 symbols allocated to PDCCH for 20 MHz, 15 MHz and 10 MHz channel BW; 3 symbols allocated to PDCCH for 5 MHz and 3 MHz; 4 symbols allocated to PDCCH for 1.4 MHz. For special subframe (1&6), only 2 OFDM symbols are allocated to PDCCH for all BWs.
NOTE 2: For 1.4MHz, no data shall be scheduled on special subframes(1&6) to avoid problems with insufficient PDCCH performance.
NOTE 3: Reference signal, Synchronization signals and PBCH allocated as per TS 36.211 [7].
NOTE 4: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit).
NOTE 5: As per Table 4.2-2 in TS 36.211 [7].
NOTE 6: As per Table 4.2-1 in TS 36.211 [7]

### A.3.1.3 256-QAM

**Table A.3.1.3-1: Fixed Reference Channel for Maximum input level for UE Categories 11/12 and UE DL categories ≥ 11 (TDD)**

| Parameter | Unit | Value | | | | | |
|---|---|---|---|---|---|---|---|
| Channel bandwidth | MHz | 1.4 | 3 | 5 | 10 | 15 | 20 |
| Allocated resource blocks | | 6 | 15 | 25 | 50 | 75 | 100 |
| Subcarriers per resource block | | 12 | 12 | 12 | 12 | 12 | 12 |
| Uplink-Downlink Configuration (NOTE 5) | | 2 | 2 | 2 | 2 | 2 | 2 |
| Special subframe configuration (NOTE 6) | | 7 | 7 | 7 | 7 | 7 | 7 |
| Allocated subframes per Radio Frame | | 2 | 3+2 | 3+2 | 3+2 | 3+2 | 3+2 |
| Modulation | | 256QAM | 256QAM | 256QAM | 256QAM | 256QAM | 256QAM |
| Target Coding Rate | | 4/5 | 4/5 | 4/5 | 4/5 | 4/5 | 4/5 |
| Number of HARQ Processes | Processes | 7 | 7 | 7 | 7 | 7 | 7 |
| Maximum number of HARQ transmissions | | 1 | 1 | 1 | 1 | 1 | 1 |
| Information Bit Payload per Sub-Frame | | | | | | | |
| For Sub-Frames 3,4,8,9 | Bits | 4392 | 12216 | 19848 | 42368 | 63776 | 84760 |
| For Sub-Frames 1,6 | Bits | N/A | 10464 | 17824 | 36224 | 54624 | 73024 |
| For Sub-Frame 5 | Bits | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | Bits | N/A | 9912 | 17568 | 42368 | 63776 | 84760 |
| Transport block CRC | Bits | 24 | 24 | 24 | 24 | 24 | 24 |
| Number of Code Blocks per Sub-Frame (NOTE 4) | | | | | | | |
| For Sub-Frames 3,4,8,9 | | 1 | 2 | 4 | 7 | 11 | 14 |
| For Sub-Frames 1,6 | | N/A | 2 | 3 | 6 | 9 | 13 |
| For Sub-Frame 5 | | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | | N/A | 2 | 3 | 7 | 11 | 14 |
| Binary Channel Bits per Sub-Frame | | | | | | | |
| For Sub-Frames 3,4,8,9 | Bits | 5472 | 15120 | 25200 | 55200 | 82800 | 110400 |
| For Sub-Frames 1,6 | | N/A | 8248 | 13536 | 27376 | 40576 | 55056 |
| For Sub-Frame 5 | Bits | N/A | N/A | N/A | N/A | N/A | N/A |
| For Sub-Frame 0 | Bits | N/A | 12336 | 22416 | 52416 | 80016 | 107616 |
| Max. Throughput averaged over 1 frame | kbps | 878.4 | 5570.4 | 9240 | 20049.6 | 30144 | 40503.2 |

NOTE 1: For normal subframes(0,3,4,5,8,9), 2 symbols allocated to PDCCH for 20 MHz, 15 MHz and 10 MHz channel BW; 3 symbols allocated to PDCCH for 5 MHz and 3 MHz; 4 symbols allocated to PDCCH for 1.4 MHz. For special subframe (1&6), only 2 OFDM symbols are allocated to PDCCH for all BWs.
NOTE 2: For 1.4MHz, no data shall be scheduled on special subframes(1&6) to avoid problems with insufficient PDCCH performance.
NOTE 3: Reference signal, Synchronization signals and PBCH allocated as per TS 36.211 [7].
NOTE 4: If more than one Code Block is present, an additional CRC sequence of L = 24 Bits is attached to each Code Block (otherwise L = 0 Bit).
NOTE 5: As per Table 4.2-2 in TS 36.211 [7].
NOTE 6: As per Table 4.2-1 in TS 36.211 [7]

# Annex B: Void

# Annex C: Void

# Annex D: Void

# Annex E: Void

# Annex F: Void

# Annex G: Void

# Annex H (normative): Modified MPR behavior

The definitions of the bits in the modifiedMPRbehavior field have been moved to Annex H of 38.101-1[2].

# Annex I (normative): Dual uplink interferer

UE is mandated to support operation in dual and triple uplink mode for EN-DC configuration in NR FR1 listed in Table 5.5B.2-1, Table 5.5B.3-1, and Table 5.5B.4.1-1 and indicated by column single uplink allowed, Table 7.3B.2.3.5.1-1, Table 7.3B.2.3.5.2-0, Table 7.3B.2.3.5.2-1 or NE-DC configuration in NR FR1 listed in Table 5.5B.4a.1-1 and indicated by column single uplink allowed if the intermodulation products caused by the dual uplink operation do not interfere with its own primary downlink transmission channel bandwidth of PCell or PSCell. For intermodulation products falling into any secondary downlink channel bandwidth, UE single UL capability is not considered.

Formula for determining if the EN-DC in NR FR1 configuration with dual uplink operation interferes with its own downlink reception.

Interference bandwidth: IBW = |a| * CBW1 + |b| * CBW2

- |a| + |b| = 2 (or 3)
- CBW1 and CBW2 are the transmission bandwidth configurations of the UL channels

Center frequency of IBW: fIBW = |a * f1 + b * f2|

- f1 and f2 are center frequency of the transmission bandwidth configurations of each UL channel

The range of IMD 2 (or 3): [fIBW – IBW/2, fIBW + IBW/2]

NOTE 1: UE shall be able to apply operations which are configured by RRC reconfiguration and corresponding HARQ timing on the transmission bandwidth.

NOTE 2: For identified difficult band combination, during two adjacent RRC reconfiguration, the changing of transmission bandwidth should not introduce IM2 and IM3, which will result in UE changing from 2Tx to 1Tx. Otherwise, UE behavior is not specified.

For DC_3A_n3A intra-band non-contiguous EN-DC combination, only single switched UL is supported in Rel-15.

For DC_2A_n2A, DC_5A_n5A, DC_7A_n7A, DC_48A_n48A, DC_66A_n66A, DC_71A_n71A intra-band non-contiguous EN-DC combination, and DC_(n)5AA, DC_(n)12AA, DC_(n)38AA, DC_(n)48AA intra-band contiguous EN-DC combination,only single switched UL is supported.

# Annex J: Void

# Annex K: Void

# Annex L (informative): Change history

| Change history | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date** | **Meeting** | **TDoc** | **CR** | **Rev** | **Cat** | **Subject/Comment** | **New version** |
| 2017-08 | RAN4#84 | | | | | Initial Skeleton | 0.0.1 |
| 2017-11 | RAN4#84 Bis | R4-1711980 | | | | Number TPs from editors | 0.1.0 |
| 2017-12 | RAN4#85 | R4-1713807 | | | | Approved TPs in RAN4#85<br>R4-1714444, CA BW classes, TP, Ericsson<br>R4-1714170, How to list DC configurations into TS 38.101-3, Nokia<br>R4-1714530, TP on introducing operating bands for NR-LTE DC including SUL band combinations in 38.101-3 , Qualcomm<br>R4-1714098, TP to TS 38.101-3: UE RF requirements for non-standalone SUL, Huawei<br>R4-1713206, TP on general parts for 38.101-3 NR interwork, Ericsson<br>R4-1714443, TP to TS 38.101-3: On dual uplink operation for EN-DC in NR FR1 and single uplink, Nokia<br>R4-1714450, TP to 38.101-3: maximum output power and unwanted emissions for EN-DC, Ericsson<br>R4-1714346, TP to 38.101-3: REFSENS for intra-band EN-DC, Ericsson<br>R4-1714345, TP for TS 36.101-3: clause 7 receiver requirements, Huawei<br><br>Band list according to R4-1714542, List of bands and band combinations to be introduced into RAN4 NR core requirements by December 2017, RAN4 Chairmen | 0.2.0 |
| 2017-12 | RAN4#85 | R4-1714571 | | | | Further corrections after email review | 0.3.0 |
| 2017-12 | RAN#78 | RP-172477 | | | | v1.0.0 submitted for plenary approval. Contents same as 0.3.0 | 1.0.0 |
| 2017-12 | RAN#78 | | | | | Approved by plenary – Rel-15 spec under change control | 15.0.0 |
| 2018-03 | RAN#79 | RP-180264 | 0005 | | F | Implementation of endorsed CRs to 38.101-3<br>Endorsed draft CR<br>F: R4-1801267, Draft CR on UE RF requirements for SUL in TS 38.101-3, Huawei<br>B: R4-1801111, Draft CR for completed LTE 1CC + NR 1band for TS 38.101-3, NTT DOCOMO, INC.<br>B: R4-1800716, Draft CR for introduction of completed band combinations from 37.863-03-01 into 38.101-3, Ericsson<br>B: R4-1800063, Draft CR for completed EN-DC of LTE 4CC + NR 1band for TS 38.101-3, Nokia<br>B: R4-1800717, Draft CR for introduction of completed band combinations from 37.865-01-01 into 38.101-3, Ericsson<br>F: R4-1800049, Modification for TS38.101-3, CATT<br>F: R4-1800287, 38.101-3 DC_(n)71B draft CR for clause 6.2.4.1 - A-MPR for intra-band EN-DC - NS value, T-Mobile USA Inc.<br>F: R4-1800288, 38.101-3 DC_(n)71B draft CR for clause 7.3.3 Reference sensitivity for DC_(n)71B - MSD values, T-Mobile USA Inc.<br>F: R4-1801139 Draft CR to 38.101-3: MSD for inter-band EN-DC, Ericsson | 15.1.0 |
| 2018-06 | RAN#80 | RP-181374 | 0013 | 1 | F | CR to TS 38.101-3: Implementation of endorsed draft CRs from RAN4 #87<br>**Missing figures (Figure 6.3B.1.1-1, Figure 6.3B.1.1-2, Figure 6.3B.1.1-3 and Figure 6.3B.1.1-4) from the endorsed draftCR (R4-1807235) were added during the CR implementation.** | 15.2.0 |
| 2018-09 | RAN#81 | RP-182129 | 0020 | 2 | F | Big CR for 38.101-3<br><br>Draft CRs from RAN4#88:<br>R4-1809960 Draft CR to TS 38.101-3: to introduce new NR inter-band DC band combinations Samsung,KDDI,SKT,KT,LGU+<br>R4-1809991 CR to 38.101-3:Corrections on UE coexistence table for Table 6.5B.3.3.1-1 MediaTek Inc.<br>R4-1810054 Pcmax for Rel-15 inter-band EN-DC for FR1 and NR in FR2 InterDigital, Inc.<br>R4-1810111 Single UL allowed corrections for DC_28A-n51A EN-DC in 38.101-3 Skyworks Solutions Inc. | 15.3.0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | R4-1810125 Draft CR to 38.101-3 Single UL allowed corrections for DC_28A_51A EN-DC Skyworks Solutions Inc.<br>R4-1810128 Draft CR to 38.101-3 Single UL allowed corrections for EN-DC operation in NR FR1 (two bands) Skyworks Solutions Inc.<br>R4-1810167 TP for TR 37.863-01-01: MSD for DC_5A_n78A due to the 4th harmonic MediaTek Inc.<br>R4-1810410 Draft CR to 38.101-3: Corrections on symbols and abbreviations in clause 3 ZTE Corporation<br>R4-1810417 Correction to DC_(n)71B MSD definition Nokia<br>R4-1810433 Correction on EN-DC 8A_n79A SoftBank Corp.,ZTE<br>R4-1810476 Draft CR to TS 38.101-3 correction for DC_3_n3-n77, DC_3_n3-n78 CHTTL<br>R4-1810976 Annex lettering change for 38.101-3Qualcomm Incorporated<br>R4-1811461 Clarification and corrections of EN-DC REFSENS exceptions requirement Nokia, Nokia Shanghai Bell<br>R4-1811462 Correction to DC_(n)71B scs restriction for NR Nokia<br>R4-1811466 EN DC_41-79 CATT<br>R4-1811467 Draft CR TS 38.101-3 Corrections to Single UL Allowed Criteria for Mid-Band EN-DC in FR1 Skyworks Solutions Inc.<br>R4-1811484 Pcmax for inter-band EN-DC FR1 draft CR InterDigital, Inc.<br>R4-1811525 Draft CR TS 38.101-3 on missing requirements for FR1 EN-DC Skyworks Solutions, Inc.<br>R4-1811542 Draft CR to 38.101-3 on correction on some errors Huawei, HiSilicon<br>R4-1811796 Draft CR to 38.101-3 Corrections to Single UL allowed criteria for EN-DC Skyworks Solutions Inc.<br>R4-1811800 DRAFT CR for PCmax FR2 correction Qualcomm Incorporated<br>R4-1811810 Draft CR TS 38.101-3: Corrections for B41/n41 SPRINT Corporation | |
| 2018-12 | RAN#82 | RP-182359 | 0030 | | F | Endorced draft CRs from RAN4#88Bis :<br><br>R4-1812057, Introduction of Intra-band contiguous EN-DC bandwidth classes, Nokia<br>R4-1812290 Draft CR on MSD for EN-DC including Band 66 and n78 Huawei, HiSilicon<br>R4-1812293 Draft CR on switching time mask for EN-DC Huawei, HiSilicon<br>R4-1812298 Draft CR to TS 38.101-3: to add missing requirements for inter-band CA between FR1 and FR2. Samsung<br>R4-1812360 Draft CR to 38.101-3: Corrrection to UL configuration for EN-DC reference sensitivity exceptions Skyworks Solutions Inc.<br>R4-1812361 Draft CR to 38.101-3: NR uplink DFT-S-OFDM waveforms for EN-DC reference sensitivity Skyworks Solutions Inc.<br>R4-1812362 Draft CR to 38.101-3: Editorial and RB allocation corrections to table 7.3B.2.3.4-2Skyworks Solutions Inc.<br>R4-1812363 Draft CR to 38.101-3: Single UL allowed operation corrections in clause 7.3B.2.3.5 Skyworks Solutions Inc.<br>R4-1812404 Non-contiguous intra-band EN-DC emission requirements Qualcomm Incorporated<br>R4-1812410 Correction on REFSENS exception for EN-DC 41A-n77A/n78A SoftBank Corp.<br>R4-1812670 Correction on REFSENS exceptions of DC_5A-7A_n78A to TS 38.101-3 LG Uplus<br>R4-1813471 draftCR on applicability of TDD configuratiin for CA in TS 38.101-3 Huawei<br>R4-1813796 Draft CR for 38.101-3: Intra-band Pcmax for Type 2 UEs Sprint Corporation<br>R4-1813816 Renaming of DC_(n)71B into DC_(n)71AA Nokia<br>R4-1813817 Correction to EN-DC operating bands and configurations Nokia<br>R4-1813818 Draft CR on correction REFSENs exceptions due to dual uplink operation for inter-band EN-DC to TS 38.101-3 Samsung<br>R4-1813822 Draft CR for 38.101-3: Single UL allowed criteria in Annex I Vodafone España SA<br>R4-1814157 Draft CR for UE-to-UE coexistence requirements for intra-band EN-DC in TS38.101-3LG Electronics France | 15.4.0 |

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| | | | | | | R4-1814167 Draft CR on Single UL for some EN-DC combinations Huawei<br><br>Endorsed draft CRs from Ran4#89:<br>R4-1815952 dCR on TS38.101-3 merging draft CRs from RAN4#(88Bis) Qualcomm IncorporatedR4-1814803 Draft CR on editorial error for EN-DC band combinations to TS 38.101-3 Huawei, HiSilicon<br>R4-1815802 draft CR editorial correction in 38.101-3 Ericsson<br>R4-1814425 Simplification of requirements for EN-DC configuration including FR2 NTT DOCOMO, INC.<br>R4-1814512 Draft CR to TS38.101-3_Corrections on MSD requirments for EN-DC combinations of band 8 and n77 n78(Clause 7.3B.2.3.1) ZTE Corporation<br>R4-1814938 Draft CR to 38.101-3 on operating bands for CA and DC ZTE Corporation Zhifeng Ma<br>R4-1814976 Correction for Maximum output power for inter-band EN-DC (two bands) Nokia, Nokia Shanghai Bell<br>R4-1814977 Correction for ?TIB,c for EN-DC Nokia, Nokia Shanghai Bell<br>R4-1814978 MPR and A-MPR for interband EN-DC Nokia, Nokia Shanghai Bell<br>R4-1814980 Correction for intra-band EN-DC bandwidth class Nokia, Nokia Shanghai Bell<br>R4-1815065 draft CR for adding missing transmit singnal quality for inter band EN-DC for TS 38.101-3 NTT DOCOMO, INC.<br>R4-1815811 draft Rel-15 CR to 38.101-3 to correct n260 BW class Ericsson, AT&T<br>R4-1815865 Draft CR for 38.101-3 Intra-band EN-DC nominal carrier spacing for 30 kHz raster SPRINT Corporation<br>R4-1815973 Draft CR to 38.101-3 rel. 15 to fix MSD issues for higher order EN-DC combinations<br>R4-1816227 Draft CR on Power Class for inter band EN-DC within FR1 OPPO<br>R4-1816233 Receiver requirements for intra-band EN-DC Qualcomm Incorporated<br>R4-1816621 Introduction of maxUplinkDutyCycle to ENDC HPUE in FR1 OPPO<br>R4-1816638 Pcmax computation and evaluation for inter band ENDC Qualcomm<br>R4-1816178 Draft CR for correction for missing agreed DC combinations in Rel-15 for TS 38.101-3 NTT DOCOMO, INC.<br>R4-1816197 Draft CR to TS38.101-3_Clarifications on MSD and UL configuration tables for EN-DC ZTE Corporation<br>R4-1816198 Simplification of EN-DC and CA between FR1 and FR2 UE to UE co-ex table by adopting CA band approach Nokia, Nokia Shanghai Bell<br>R4-1816202 Correction to interband EN-DC OOBE emission requirements Nokia, Nokia Shanghai Bell<br>R4-1816203 Receiver requirements for interband EN-DC Nokia, Nokia Shanghai Bell<br>R4-1816207 Draft CR to 38.101-3 rel. 15 to fix MPR issue Apple GmbH<br>R4-1816224 Draft CR for 38.101-3 NS_04 applicability for intra-band EN-DC SPRINT Corporation<br>R4-1816231 Draft CR on output power dynamic for DC OPPO<br>R4-1816237 Correction for Intra-band contiguous EN-DC A-MPR definition Nokia, Nokia Shanghai Bell<br>R4-1816246 Draft CR to TS38.101-3: Corrections on TS for MSD calculations based on ENDC bands combination including of bands 1,3,8, n77, and n78 MediaTek Inc.<br>R4-1816247 Draft CR 38-101-3 Corrections for EN-DC Single Uplink allowed Operation Skyworks Solutions Inc.<br>R4-1816250 draft CR for adding note about the fallback of EN-DC in Applicability of minimum requirements for TS 38.101-3 NTT DOCOMO, INC.<br>R4-1816608 Draft CR on LTE RMC for TDD EN-DC UE RF Tests Qualcomm Incorporated<br>R4-1816613 Draft CR for reducing AMPR for DC_(n)71AA without Dynamic Power Sharing"<br>Motorola Mobility, T-Mobile" | |
| 2018-12 | RAN#82 | RP-182773 | 0033 | 1 | F | Completion of configured maximum output power for intra-band contiguous EN-DC | 15.4.0 |
| 2018-12 | RAN#82 | RP-182774 | 0034 | 1 | F | Configured maximum output power for intra-band non-contiguous EN-DC | 15.4.0 |

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| 2019-03 | RAN#83 | RP-190403 | 0035 | | F | CR to TS 38.101-3: Implementation of endorsed draft CRs from RAN4#90<br><br>Endorced draft CRs from RAN4#90<br>R4-1900034, Editorial corrections for 38.101-3, Qualcomm Incorporated<br>R4-1900460, Draft CR to TS38.101-3_corrections on MSD, ZTE Corporation<br>R4-1900461, Draft CR to TS38.101-3_inter-band NR DC between FR1 and FR2, ZTE Corporation<br>R4-1900524, Draft CR to TS 38.101-3 on inter-band CA & inter-band EN-DC configurations, ZTE Corporation<br>R4-1900529, Draft CR to TS 38.101-3 on Single Uplink Allowed for EN-DC combinations of order 3 or higher, ZTE Corporation<br>R4-1900726, Editorial corrections to delta Tib for EN-DC, Rohde & Schwarz<br>R4-1901359, draft CR for correction for missing operating band for EN-DC, NTT DOCOMO INC.<br>R4-1901428, draft CR to make editorial corrections in 38-101-3 Rel-15, Ericsson<br>R4-1901848, Draft CR for 38.101-3: Addition of default power class, Sprint Corporation<br>R4-1901850, Draft CR for 38.101-3: Intra-band Pcmax P_EN-DC_Total for non-DPS UEs, Sprint Corporation<br>R4-1901851, Draft CR for 38.101-3: Intra-band Pcmax Editorial corrections, Sprint Corporation<br>R4-1901874, Guardband for harmonic exception to reference sensitivity, Qualcomm Incorporated<br>R4-1901878, Non-simultaneous Tx/Rx for TDD intra-band EN-DC, Qualcomm Incorporated<br>R4-1901890, A-MPR for DC_(n)71AA without Dynamic Power Sharing, Motorola Mobility France S.A.S<br>R4-1901926, Draft CR to 38.101-3 to clarify ACS2 wanted level, Qualcomm Incorporated<br>R4-1901997, draft_CR TS 38.101-3 type 2 UE DC_(n)41 and DC_41_n41 NS04 AMPR correction, Skyworks Solutions Inc.<br>R4-1902002, Draft CR to 38.101-3 on DC_n41-41 – B40 coexistence, Qualcomm Incorporated<br>R4-1902154, Draft CR to TS38.101-3_clean up on inter-band CA between FR1 and FR2, ZTE Corporation<br>R4-1902155, Draft CR for TS 38.101-3: Corrections to Table 7.3B.2.3.5.1-1 for reference sensitivity exceptions (two bands), MediaTek Inc.<br>R4-1902156, draftCR corrections for TS 38.101-3, Huawei<br>R4-1902157, CR on intraband ENDC channel configurations, Intel Corporation<br>R4-1902160, Draft CR on some errors to TS 38.101-3, Huawei<br>R4-1902161, CR to 38.101-3 to clarify non-simultaneous RXTX capability for co-bands, Qualcomm Incorporated<br>R4-1902163, Draft CR to 38.101-3 to clarify DL carrier levels for bands in close frequency proximity, Qualcomm Incorporated<br>R4-1902164, Draft CR to reflect agreed MSD analysis of DC_25A-n41A for TS 38.101-3, MediaTek Inc.<br>R4-1902169, draft CR for inter-band EN-DC Pcmax, Huawei<br>R4-1902172, Draft CR ACLR for NC intra-band EN-DC, Skyworks Solutions Inc.<br>R4-1902176, Draft CR for 38.101-3 modification of requirements for intra-band non-contiguous EN-DC SEM, Huawei<br>R4-1902179, draft CR for introduction of Tx IM for Inter-band EN-DC in TS38.101-3, NTT DOCOMO, INC.<br>R4-1902182, Clarification for OOBE boundary for intra-band contiguous and non-contiguous EN-DC, vivo<br>R4-1902195, draft_CR TS 38.101-3 Footnote correction in Table 7.3B.2.3.1-2, Skyworks Solutions Inc.<br>R4-1902232, Draft CR on SUL band combinations to TS 38.101-3, Huawei<br>R4-1902478, Addition of power class 2 EN-DC ACLR requirement, Nokia<br>R4-1902481, draftCR on inter-band EN-DC Rx requirement for TS 38.101-3, Huawei<br>R4-1902486, Draft CR for 38.101-3 modification of requirements for network signalled value NS_04, Huawei<br>R4-1902496, Draft CR for TS 38.101-3: Switching time for intra-band EN-DC upon dual PA UE capability, Huawei<br>R4-1902500, Draft CR for 38.101-3: adding MPR for intra-band ENDC,Skyworks Solutions Inc<br>R4-1902660, Introduction of modified MPR for 38.101-3, Nokia | 15.5.0 |

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| | | | | | | Editorial changes after RAN#83<br>To align the annex numbering with other specifications (TS 38.101-x series), 'Modified MPR behavior' was moved to annex H. | |
| 2019-06 | RAN#84 | RP-191240 | 0041 | | F | CR to TS 38.101-3: Implementation of endorsed draft CRs from RAN4#90bis and RAN4#91<br><br>Endorced draft CRs from RAN4#90Bis<br>R4-1902829, Draft CR for 38.101-3 editoral correction for editorial correction for intra-band contiguous EN-DC uplink configuration when Rx requirements are measured, Huawei<br>R4-1903074 Draft CR to 38.101-3 rel. 15 to fix missing SUO note Apple Inc.<br>R4-1903090 Pcmax for Rel-15 intra-band EN-DC within FR1 wrong references - fixes InterDigital Communications<br>R4-1903150 Draft CR to TS 38.101-3_Spurious emission and Tx IM for inter-band CA between FR1 and FR2 ZTE Corporation<br>R4-1903302 Draft CR to TS 38.101-3 correction for the DC_3_n3 delta R IBNC table CHTTL<br>R4-1903426 draft CR for 38.101-3: Reflect the agreed MSD for DC_5_n78 China Telecom<br>R4-1903515 Removal of reference sensitivity exception due to close proximity of bands for EN-DC in NR FR1 clause Nokia<br>R4-1903958 Completion of defintions of EN-DC configured power Ericsson<br>R4-1904639 Draft CR to 38.101-3 on DC_n41-41 – B40 coexistence, Qualcomm Incorporated<br>R4-1904934 Harmonization of reference sensitivity level for DC clause Nokia<br>R4-1904935 Change description 4.2(e) in Applicability of minimum requirements for TS 38.101-3 vivo<br>R4-1904945 Draft CR to TS38.101-3_adding some exclusion frequencies for SEM and spurious emission for EN-DC ZTE Corporation<br>R4-1904946 Draft CR to TS 38.101-3 on some minor corrections ZTE Corporation<br>R4-1904951 Draft CR for 38.101-3 intra-band EN-DC AMPR Huawei<br>R4-1904953 Draft CR for 38.101-3: NS_04 A-MPR power class relationship clarification Sprint Corporation<br>R4-1904959 Draft CR on UE to UE coexistence for TS 38.101-3 Huawei<br>R4-1904988 Draft CR to 38.101-1. Clarify EN-DC category for requirements of carrier imbalance Qualcomm Incorporated<br>R4-1904995 draft CR to 38.101-3 Configured output power for inter-band EN-DC including both FR1 and FR2 Intel Corporation<br>R4-1905085 Draft CR for TR 38.101-3 NE-DC RF requirement Huawei<br>R4-1904925 Draft CR for improving EN-DC configuration tables in TS38.101-3 CATT<br><br>Endorced draft CRs from RAN4#91<br>R4-1905628 Draft CR to TS38.101-3_Frequency error for intra-band for EN-DC ZTE Corporation<br>R4-1905629 Draft CR to TS 38.101-3_removal of the reference sensitivity exception for NR CA between FR1 and FR2 ZTE Corporation<br>R4-1905767 draft CR to 38.101-3 Correction ot DeltaTIB,c in configured output power for EN-DC Intel Corporation<br>R4-1905774 Draft CR to TS38.101-3 Correction to intra-band and inter-band EN-DC Pcmax Intel Corporation<br>R4-1905793 CR for TS 38.101-3 (Rel-15): Support of n257D-F for DC_1-42_n257 and DC_3-42_n257 SoftBank Corp.<br>R4-1905799 Correction of LTE anchor condition to Spurious response for EN-DC Anritsu Corporation<br>R4-1907057 Draft CR for 38.101-3: Further UE coexistence table clean-up Sprint Corporation<br>R4-1907063 Draft CR for 38.101-3: Global replacement of LTE with E-UTRA Sprint Corporation<br>R4-1907136 Draft CR to 38.101-3 rel. 15 to fix missing Exceptions for Out-of-band Blocking Apple<br>R4-1907137 Draft CR to 38.101-3 rel. 15 to fix missing SUO note Apple<br>R4-1907181 Draft CR for 38.101-3: Removal of unnecessary ACLR notes Sprint Corporation<br>R4-1907422 Draft CR for TS 38.101-1 Correction of channel bandwidth set for NR CA Huawei | 15.6.0 |

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| | | | | | | R4-1907424 Draft CR for clarification of note for B42_n77 and B42_n78 NTT DOCOMO, INC.<br>R4-1907425 DraftCR TS 38.101-3 Corrections to Intra-band ENDC MPR text Skyworks Solutions Inc.<br>R4-1907426 Definition of BCS support in inter-band EN-DC mode Qualcomm Incorporated<br>R4-1907448 Correction to EN-DC spurious emissions ROHDE & SCHWARZ<br>R4-1907476 draft CR for TS 38.101-3 intra-band EN-DC Pcmax Huawei<br>R4-1907482 Correction of RefSens exceptions due to UL harmonic interference for EN-DC in 38.101-3 vivo<br>R4-1907483 [Rx]Draft CR for 38.101-3 defining Reference sensitivity for intra-band non-contiguous, Huawei<br>R4-1907485 Corrections to MPR/A-MPR and additional requirements for intra-band EN-DC Ericsson<br>R4-1907489 Draft CR to 38.101-3. Revise MSD for DC_20A-n8A Qualcomm Incorporated<br>R4-1907492 Modification of reference sensitivity and general spurious emissions in 38.101-3 Qualcomm Incorporated<br>R4-1907594 draft CR of modification on reference for inter-band EN-DC including FR2 for TS 38.101-3 NTT DOCOMO INC.<br>R4-1907808 Draft CR to 38.101-3 NE-DC introduction InterDigital Communications | |
| 2019-06 | RAN#84 | RP-191241 | 0036 | | B | CR to REL-16 TS 38.101-3: Implementation of endorsed draft CRs on NR combinations and dual Connectivity combinations | 16.0.0 |
| 2019-06 | RAN#84 | RP-191241 | 0037 | | B | CR on introduction of completed EN-DC of 2 bands LTE and 1 band NR from RAN4#91 into TS 38.101-3 | 16.0.0 |
| 2019-06 | RAN#84 | RP-191241 | 0039 | | B | Introducing CR on new EN-DC LTE(xDL/1UL)+ NR(2DL/1UL) DC in rel-16 | 16.0.0 |
| 2019-06 | RAN#84 | RP-191252 | 0040 | 1 | B | Introduction of band combinations and requirements for Band n87 (LTE/NR sharing) | 16.0.0 |
| 2019-06 | RAN#84 | RP-191241 | 0042 | 1 | B | Big CR for agreed DC band combo of 1 LTE band + 1 NR band | 16.0.0 |
| 2019-06 | RAN#84 | RP-191241 | 0043 | | B | CR introduction completed band combinations 37.716-31-11 -> 38.101-3 | 16.0.0 |
| 2019-06 | RAN#84 | RP-191241 | 0044 | | B | CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into Rel16 TS 38.101-3 | 16.0.0 |
| 2019-09 | RAN#85 | RP-192049 | 0064 | | A | CR to TS 38.101-3: Implementation of endorsed draft CRs from RAN4#92 (Rel-16)<br>- Mirror changes from R4-1910354 from RAN4#92 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0045 | 2 | B | CR to correct 7.3B.2.3.2 and 7.3B.2.3.4 for EN-DC DC_7_n77 and DC_7_n78 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0046 | 2 | F | Correction on EN-DC grouping in Rel-16 spec | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0047 | 1 | F | CR to TS 38.101-3 correction for the UL RB allocations of the MSD table | 16.1.0 |
| 2019-09 | RAN#85 | RP-192027 | 0049 | 1 | F | [SUL] CR on SUL band combinations into Rel-16 TS 38.101-3 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0051 | | B | CR on introduction of completed EN-DC of 2 bands LTE and 1 band NR from RAN4#92 into TS 38.101-3 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192033 | 0053 | | C | CR for 38.101-3: B41 n41 EN-DC allocation based A-MPR | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0054 | 1 | F | CR_38.101-3 Rel 16 Addition of footnote 3 to DC_40A_n41A | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0056 | 1 | F | CR for 38.101-3: Correction of n5 combinations protection for B26 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192027 | 0057 | | B | CR on introducing NR intra-band CA for 3DL Bands and 1UL band for 38.101-3 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192027 | 0058 | | B | CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into Rel16 TS 38.101-3 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0059 | | F | Big CR for EN-DC of LTE 1band + NR 1band | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0060 | | B | CR introduction completed band combinations 37.716-31-11 -> 38.101-3 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0061 | | B | CR to introduce new combinations of LTE 4band + NR 1band for TS 38.101-3 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192035 | 0062 | | F | CR for 38.101-3 Pcmax for EN-DC with 3CC uplink | 16.1.0 |
| 2019-09 | RAN#85 | RP-192027 | 0065 | | B | CR to reflect the completed NR inter band CA DC combinations for 3 bands DL with 2 bands UL into Rel16 TS 38.101-3 | 16.1.0 |
| 2019-09 | RAN#85 | RP-192028 | 0066 | | B | CR on introduction of completed EN-DC of x bands LTE and 2 band NR from RAN4#92 into TS 38.101-3 | 16.1.0 |
| 2019-12 | RAN#86 | RP-193032 | 0075 | | A | CR for 38.101-3 EN-DC RX Out-of-Band Blocking for shared bands and bands in close proximity | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0077 | | A | CR to 38.101-3 Missing Harmonic Mixing MSD for DC_3_n77/n78 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0079 | | A | CR for 38.101-3 EN-DC DL Synchronous Carriers | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0085 | | A | CR for 38.101-3: Correction to DC Config and dual UL interferer (Rel-16) | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0087 | | A | CR for 38.101-3: Correction to EN-DC and NE-DC Configurations (Rel-16) | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0090 | | A | CR to TS38.101-3: Correction on channel spacing for intra-band EN-DC carriers (section 5.4B.1) | 16.2.0 |

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| 2019-12 | RAN#86 | RP-193012 | 0091 | | B | CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into Rel16 TS 38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0092 | | B | CR to reflect the completed NR inter band CA DC combinations for 3 bands DL with 2 bands UL into Rel16 TS 38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0093 | 1 | B | CR to reflect the completed ENDC combinations for 3 bands DL with 3 bands UL into Rel16 TS 38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193021 | 0094 | | F | CR to remove square brackets for n90 in TS38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193019 | 0095 | 1 | B | CR for adding solution for addressing SAR issue for EN-DC PC2 UE | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0097 | | B | Introducing NR inter-band CA for 3DL Bands and 1UL band for 38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0099 | | F | CR to TS 38.101-3 on single UL allowed for inter-band CA configurations (Rel-16) | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0102 | | B | CR on introduction of completed EN-DC of 1 band LTE and 1 band NR | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0106 | | A | CR for TS 38.101-3: Removing MSD requirements for EN-DC combinations due to receiver even order harmonic mixing with UL 3rd harmonic | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0107 | | A | CR to TS 38.101-3: clarification for MPR statement | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0108 | | A | CR to TS 38.101-3 on inter-band CA, EN-DC, NE-DC and NR-DC configurations (Rel-16) | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0109 | | F | CR for TS 38.101-3: Removing MSD requirements for EN-DC combinations due to receiver even order harmonic mixing with UL 3rd harmonic | 16.2.0 |
| 2019-12 | RAN#86 | RP-193033 | 0111 | | A | CR to TS 38.101-3: adding missing 90MHz channel BW support for n77, n78 related CA | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0112 | | B | Introducing CR on new EN-DC LTE(xDL/1UL)+ NR(2DL/1UL) DC in rel-16 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193033 | 0114 | | F | Removal of brackets from MPR and MSD 38.101-3 REL16 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193033 | 0120 | | A | Pcmax for EN-DC: applicability of NS values and removal of a duty-cycle capability | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0123 | 1 | B | CR for TS 38.101-3: MSD due to cross band isolation | 16.2.0 |
| 2019-12 | RAN#86 | RP-193033 | 0125 | | A | CR for TS 38.101-3: Additional out-of-band blocking exceptions for inter-band EN-DC | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0126 | | B | CR for 38.101-3 introduce SUL band combination DC_66A_n78(2A)_SUL_n78A-n86A | 16.2.0 |
| 2019-12 | RAN#86 | RP-193033 | 0128 | | A | CR for 38.101-3: correct MSD exception for DC_2_n78(Rel-16) | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0129 | | B | CR to introduce new combinations of LTE 4band + NR 1band for TS 38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0130 | | B | CR on introduction of completed EN-DC of 2 bands LTE and 1 band NR from RAN4#92bis and RAN4#93 into TS 38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0131 | | B | CR introduction completed band combinations 37.716-31-11 -> 38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0132 | | B | CR introduction completed band combinations 38.716-04-01 -> 38.101-3 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0133 | 1 | F | CR to 38.101-3 to remove duplicate combinations | 16.2.0 |
| 2019-12 | RAN#86 | RP-193012 | 0134 | | F | CR to 38.101-3 to add missing ?TIB and ?RIB values for DC_12-30_n66 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193033 | 0136 | | A | Mirror CR for 38.101-3: Clarification of the notation for intra-band EN-DC combinations | 16.2.0 |
| 2019-12 | RAN#86 | RP-193008 | 0140 | 2 | B | CR to 38.101-3 on uplink power control for non synchronous NR-DC between FR1 and FR2 | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0148 | | A | CR to TS 38.101-3 on inter-band EN-DC configurations including FR2 for five bands (Rel-16) | 16.2.0 |
| 2019-12 | RAN#86 | RP-193033 | 0152 | 1 | A | CR for 38.101-3 correction for intra-band EN-DC Pcmax | 16.2.0 |
| 2019-12 | RAN#86 | RP-193033 | 0153 | 1 | A | CR for 38.101-3 intra-band EN-DC MPR/AMPR | 16.2.0 |
| 2019-12 | RAN#86 | RP-193032 | 0154 | | F | EN-DC grouping correction for FR1 only configurations REL-16 | 16.2.0 |
| 2019-12 | RAN#86 | | | | | Change history corrected | 16.2.1 |
| 2020-03 | RAN#87 | RP-200388 | 0159 | 1 | F | CR on SAR solution for TDD&TDD EN-DC PC2 UE | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0164 | | A | Mirror CR for 38.101-3: Correction of MOP tolerance for B41/n41 EN-DC | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0165 | 1 | F | CR for 38.101-3: Remove delta Tib and delta Rib for FR1+FR2 CA | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0166 | | F | CR for 38.101-3: DC_25-41_n41 correction | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0172 | | A | CR to TS 38.101-3: corrections on ACS for intra-band contiguous EN-DC | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0174 | | A | CR to TS 38.101-3: editorial corrections on Rx requirements for intra-band contiguous EN-DC | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0175 | 1 | F | CR to TS 38.101-3: Updated the MSD values for ENDC 3-n41 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0177 | | A | CR to TS 38.101-3: Correct the intra-band ENDC channel spacing | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0178 | | B | CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into Rel16 TS 38.101-3 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0179 | | B | CR to reflect the completed NR inter band CA DC combinations for 3 bands DL with 2 bands UL into Rel16 TS 38.101-3 | 16.3.0 |

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| 2020-03 | RAN#87 | RP-200380 | 0180 | | B | CR to reflect the completed ENDC combinations for 3 bands DL with 3 bands UL into Rel16 TS 38.101-3 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0181 | | F | Correction to remedy missing implementation of approved CR0093r1 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0182 | | F | CR for TS38.101-3, Correction of IE RF-Parameters name of maxUplinkDutyCycle | 16.3.0 |
| 2020-03 | RAN#87 | RP-200384 | 0184 | | B | UE co-existence reuiqrements for band n28 into 38.101-3 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0186 | | F | CR for 38.101-3: Correction of MOP tolerance for DC_39_n41 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0187 | | B | CR on introduction of completed EN-DC of 2 bands LTE and 1 band NR from RAN4#94-e into TS 38.101-3 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0190 | | B | CR on introduction of completed EN-DC of 1 band LTE and 1 band NR | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0193 | | A | CR to TS 38.101-3: editorial correction for output power dynamics for intra-band EN-DC | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0195 | | B | CR to TS 38.101-3: adding 90MHz channel BW support for Rel.16 CA_n78A-n257 configurations | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0196 | | B | Introducing CR on new EN-DC LTE (x bands DL/1UL)+NR(2 bands DL/1UL) band combinations in rel-16 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0199 | | A | CR on correction of 38.101-3 NEDC Ppowerclass (Rel-16) | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0200 | | D | CR to introduce new combinations of LTE 4band + NR 1band for TS 38.101-3 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0206 | | B | CR to add 3 LTE bands and 1 NR band EN-DC combinations | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0207 | | B | CR to add NR Inter-band CA for 4 bands in TS 38.101-3 | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0208 | 1 | F | Editorial corrections | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0211 | | F | CR to 38.101-3 R16 to remove FDM ULSUP combinations | 16.3.0 |
| 2020-03 | RAN#87 | RP-200396 | 0213 | 1 | A | CR for inter-band ENDC Tx requirement | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0215 | 1 | F | CR to 38.101-3 on EN-DC band combination with SUL | 16.3.0 |
| 2020-03 | RAN#87 | RP-200378 | 0217 | | A | EN-DC configuration table corrections | 16.3.0 |
| 2020-03 | RAN#87 | RP-200380 | 0218 | | B | CR for introduce new EN-DC of LTE 2,3,4 band + NR FR1 1UL1DL band + NR FR2 1UL1DL band for TS 38.101-3 | 16.3.0 |

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| 2020-06 | RAN#88 | RP-200880 | 0223 | 3 | B | CR to TS 38.101-3: Switching time mask between two uplink carriers in EN-DC | 16.4.0 |
| 2020-06 | RAN#88 | RP-200960 | 0228 | | F | CR for TS38.101-3, Aligned IE RF-Parameters name of maxUplinkDutyCycle with RAN2 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0229 | | B | Introducing NR inter-band CA for 3DL Bands and 1UL band for 38.101-3 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0232 | | A | CR Coexistence cleanup for 38101-3 Rel16 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0234 | | A | CR to TS 38.101-3 R16: corrections on ACS for intra-band contiguous EN-DC | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0240 | | A | CR for TS 38.101-3: MSD due to UL harmonic | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0241 | | F | CR for TS 38.101-3: Adding missing MSD due to UL harmonic for DC_28_n50 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0245 | | A | MOP for interband EN-DC including both FR1 and FR2 REL16 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0248 | | A | CR to 38.101-3 MSD due to UL harmonics and intermodulation interference R16 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0251 | | A | Mirror CR for 38.101-3: Corrections for Ppowerclass and referenced sections | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0252 | | B | Introducing CR on new EN-DC LTE(xDL/1UL)+ NR(2DL/1UL) DC in Rel-16 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0255 | | B | Big CR on introduction of completed EN-DC of 1 band LTE and 1 band NR | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0259 | | A | CR to TS 38.101-3 on configured output power relaxation due to EN-DC (Rel-16) | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0261 | | A | CR to TS 38.101-3 on REFSENS relaxation due to EN-DC (Rel-16) | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0264 | | F | Correction to EN-DC coexistence requirements | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0267 | | A | CR to TS 38.101-3: Clean up the MSD test point for ENDC(three band) | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0268 | | B | CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into Rel16 TS 38.101-3 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0269 | | B | CR to reflect the completed ENDC combinations for 3 bands DL with 3 bands UL into Rel16 TS 38.101-3 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0274 | | B | CR to introduce new combinations of LTE 4band + NR 1band for TS 38.101-3 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0275 | | B | CR on introduction of completed EN-DC of 2 bands LTE and 1 band NR from RAN4#94bis-e and RAN4#95-e into TS 38.101-3 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0276 | | B | CR to reflect the completed NR inter band CA DC combinations for 3 bands DL with 2 bands UL into Rel16 TS 38.101-3 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0277 | | B | CR introduction completed band combinations 37.716-31-11 - | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0279 | | F | CR Rel-16 for editorial corrections TS 38.101-3 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200959 | 0280 | | F | CR for 38.101-3: to clean up for SUL band combinations | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0238 | 1 | A | CR for TS 38.101-3: Missing MSD due to cross band isolation | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0243 | 1 | F | FR1+FR2 CA interband CA BCS support REL16 | 16.4.0 |
| 2020-06 | RAN#88 | RP-201045 | 0282 | 1 | B | Addition of UE coexistence between US DC combinations and NR Band n77 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200965 | 0249 | 1 | B | CR for 38.101-3: Introduction of Power Class 1.5 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0236 | 1 | A | CR to TS 38.101-3: editorial corrections on wide band Intermodulation for intra-band contiguous EN-DC in FR1 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200988 | 0296 | | F | CR to remove TBD in 38.101-3 | 16.4.0 |
| 2020-06 | RAN#88 | RP-201055 | 0281 | 2 | B | CR to 38.101-3 MSD due to UL harmonics and intermodulation interference R16 | 16.4.0 |
| 2020-06 | RAN#88 | RP-200958 | 0287 | 2 | B | CR for TS 38.101-3: NR V2X con-current operation | 16.4.0 |
| 2020-06 | RAN#88 | RP-200985 | 0272 | 1 | A | Removal of the Annex modifiedMPR-Behaviour from the NSA specification | 16.4.0 |
| 2020-09 | RAN#89 | RP-201507 | 0300 | | F | CR for missing note for DC_39A_n41A for non-simultaneous RX/TX operation | 16.5.0 |
| 2020-09 | RAN#89 | RP-201507 | 0301 | | F | CR for correcting DC_48_n5 UE spurious coexistence in 38.101-3 | 16.5.0 |
| 2020-09 | RAN#89 | RP-201507 | 0303 | | F | CR for missing IMD MSD in 38.101-3 for DC_3A-28A_n41A, DC_28A-41A_n77A | 16.5.0 |
| 2020-09 | RAN#89 | RP-201512 | 0307 | | A | CR for missing IMD MSD in 38.101-3 for DC_1A-41A_n78A, DC_7A-28A_n78A | 16.5.0 |
| 2020-09 | RAN#89 | RP-201512 | 0309 | | A | Correction to in-band emissions for intra-band contiguous EN-DC | 16.5.0 |
| 2020-09 | RAN#89 | RP-201507 | 0313 | | F | Coexistence cleanup for 38101-3 Rel16 | 16.5.0 |
| 2020-09 | RAN#89 | RP-201506 | 0314 | | D | CR Editorial cleanup of band combination tables for 38101-3 Rel16 | 16.5.0 |
| 2020-09 | RAN#89 | RP-201512 | 0317 | | A | CR to 38.101-3 MSD due to UL harmonics and intermodulation interference R16 | 16.5.0 |
| 2020-09 | RAN#89 | RP-201507 | 0319 | | F | CR to correct protected band of intra-band EN-DC | 16.5.0 |
| 2020-09 | RAN#89 | RP-201512 | 0323 | | A | CR for TS 38.101-3: FR1 inter-band EN-DC out-of-band blocking UL configuration | 16.5.0 |
| 2020-09 | RAN#89 | RP-201504 | 0324 | 3 | B | CR to TS 38.101-3: PC2 band 3+band n78 ENDC | 16.5.0 |
| 2020-09 | RAN#89 | RP-201512 | 0326 | | A | Corrections of Japan-related EN-DC co-ex tables for REL-15 combo | 16.5.0 |

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| 2020-09 | RAN#89 | RP-201492 | 0329 | 1 | F | Correction on 5G V2X con-current UE RF requirements in rel-16 | 16.5.0 |
| 2020-09 | RAN#89 | RP-201492 | 0330 | 1 | F | CR on TS38.101-3 for NR V2X | 16.5.0 |
| 2020-09 | RAN#89 | RP-201749 | 0334 | 3 | B | CR to TS 38.101-3: PC2 band 3+band n41 ENDC | 16.5.0 |
| 2020-09 | RAN#89 | RP-201506 | 0335 | | F | CR to TS 38.101-3: Clean up the MSD test point for ENDC(three band) | 16.5.0 |
| 2020-09 | RAN#89 | RP-201504 | 0344 | | F | Correction of delta Powerclass for Inter-band EN-DC | 16.5.0 |
| 2020-09 | RAN#89 | RP-201506 | 0347 | 1 | F | CR for 38.101-3 to remove PHS system, 860~890 and 1400~1427 protection for EN-DC band combination with band n1, n8 and n50 | 16.5.0 |
| 2020-09 | RAN#89 | RP-201507 | 0349 | | F | CR on inter-band ENDC Pcmax | 16.5.0 |
| 2020-09 | RAN#89 | RP-201495 | 0350 | 1 | B | CR to 38.101-3 on time masks for ULSUP in R16 | 16.5.0 |
| 2020-09 | RAN#89 | RP-201512 | 0351 | 1 | F | CR to 38.101-3 - Correction to cross band isolation MSD tables and DC_42_n79 | 16.5.0 |
| 2020-09 | RAN#89 | RP-201494 | 0352 | 1 | F | CR for 38.101-3 Switching time mask for inter-band EN-DC UEs only supporting single switched UL | 16.5.0 |
| 2020-09 | RAN#89 | RP-201507 | 0353 | | F | CR for TS 38.101-3 introduce new power class for EN-DC | 16.5.0 |
| 2020-12 | RAN#90 | RP-202509 | 0362 | 1 | F | Correction on Additional ILs and MSD levels for DC_20_n38 UE | 16.6.0 |
| 2020-12 | RAN#90 | RP-202427 | 0363 | 1 | F | Correction on 5G V2X inter-band con-current UE RF requirements in TS38.101-3 | 16.6.0 |
| 2020-12 | RAN#90 | RP-202427 | 0364 | 1 | F | CR for TS 38.101-3, Time mask for TDM operation between NR V2X and LTE V2X in ITS band | 16.6.0 |
| 2020-12 | RAN#90 | RP-202509 | 0367 | | F | CR to 38.101-3 (Rel-16) error correntions to configurations for CA and DC | 16.6.0 |
| 2020-12 | RAN#90 | RP-202427 | 0368 | 1 | F | General corrections for V2X sections in 38.101-3 | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0370 | | A | UL output power for spurious response and general Rx | 16.6.0 |
| 2020-12 | RAN#90 | RP-202430 | 0382 | | F | CR to TS 38.101-3 on intra-band contiguous EN-DC BW class (Rel-16) | 16.6.0 |
| 2020-12 | RAN#90 | RP-202509 | 0383 | 1 | F | CR to TS 38.101-3 on simplification for inter-band CA configuration between FR1 and FR2 | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0385 | | A | CR to TS 38.101-3: Some corrections on the ENDC | 16.6.0 |
| 2020-12 | RAN#90 | RP-202442 | 0386 | 1 | F | CR to 38.101-3: Add requirement on the inter-band EN-DC with no DL interruption | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0388 | | F | CR to TS 38.101-3: corrections on ACS for intra-band contiguous EN-DC | 16.6.0 |
| 2020-12 | RAN#90 | RP-202429 | 0391 | | F | Correction of delta Powerclass for Inter-band EN-DC | 16.6.0 |
| 2020-12 | RAN#90 | RP-202509 | 0392 | 1 | F | CR on NR power class under EN-DC | 16.6.0 |
| 2020-12 | RAN#90 | RP-202428 | 0396 | | F | CR to TS 38.101-3 corrections on inter-band EN-DC configurations including FR1 and FR2 | 16.6.0 |
| 2020-12 | RAN#90 | RP-202509 | 0398 | | F | CR to correct MSD of DC_1A-41A_n77A | 16.6.0 |
| 2020-12 | RAN#90 | RP-202414 | 0402 | 2 | B | CR to add NR-U EN-DC combinations | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0410 | 1 | A | CR to TS38.101-3[R16] Applicability of 2Rx requirements | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0412 | | A | CR 38101-3 R16 Band 10 protection and DC_42_n79 correction | 16.6.0 |
| 2020-12 | RAN#90 | RP-202428 | 0413 | 1 | F | CR for editorial corrections 38.101-3 | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0414 | 1 | F | Correction to PCMAX for contiguous intra-band EN-DC | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0420 | | A | CR for 38.101-3 Correction on EN-DC synchronous carriers (R16) | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0424 | 1 | F | CR for TS 38.101-3: correction of spurious emission band UE co-existence (R16) | 16.6.0 |
| 2020-12 | RAN#90 | RP-202485 | 0425 | 1 | F | Adding delta TIB requirement for DC_2-7-7-13_n66 | 16.6.0 |
| 2020-12 | RAN#90 | RP-202462 | 0359 | | B | Introducing CR on new EN-DC LTE(xDL/1UL)+ NR(2DL/1UL) DC in Rel-17 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202468 | 0366 | | B | CR on Introducing NR inter-band CA for 3DL Bands and 1UL band for 38.101-3 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202454 | 0371 | | B | Big CR on introduction of completed PC2 for EN-DC with 1 LTE band + 1 NR TDD band | 17.0.0 |
| 2020-12 | RAN#90 | RP-202471 | 0373 | | B | CR on introduction of completed NR CA/DC combs with 4DL/2UL including FR2 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202461 | 0374 | | B | CR introduction completed band combinations for Dual Connectivity (DC) of 5 bands LTE inter-band CA (5DL/1UL) and 1 NR band (1DL/1UL) | 17.0.0 |
| 2020-12 | RAN#90 | RP-202465 | 0375 | | B | CR introduction completed band combinations for Dual Connectivity (DC) of x bands (x=2,3,4) LTE inter-band CA (xDL/1UL) and 1 NR FR1 band (1DL/1UL) and 1 NR FR2 band (1DL/1UL) | 17.0.0 |
| 2020-12 | RAN#90 | RP-202457 | 0376 | | B | Big CR for Rel-17 Dual Connectivity (DC) of 1 LTE band (1DL/1UL) and 1 NR band (1DL/1UL) | 17.0.0 |
| 2020-12 | RAN#90 | RP-202472 | 0377 | | B | CR on Introduction of completed SUL band combinations into TS 38.101-3 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202460 | 0387 | | B | CR to introduce new combinations of LTE 4band + NR 1band for TS 38.101-3 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202458 | 0395 | | B | CR on introduction of completed EN-DC of 2 bands LTE and 1 band NR from RAN4#96e and RAN4#97e into TS 38.101-3 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202459 | 0400 | | B | CR introduction completed band combinations LTE 3DL and one NR band - | 17.0.0 |

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| 2020-12 | RAN#90 | RP-202470 | 0401 | | B | CR introduction completed band combinations NR Inter-band 4 bands CA - | 17.0.0 |
| 2020-12 | RAN#90 | RP-202450 | 0365 | 1 | B | CR for TS 38.101-3, Introduce new band combination of V2X_39A-n47A, V2X_n39A-47A, V2X_40A-n47A and V2X_n40A-47A | 17.0.0 |
| 2020-12 | RAN#90 | RP-202467 | 0426 | | B | CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into TS 38.101-3 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202469 | 0427 | | B | CR to reflect the completed NR inter band CA DC combinations for 3 bands DL with 2 bands UL into TS 38.101-3 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202464 | 0428 | | B | CR to reflect the completed DC combinations for 3 bands DL with 3 bands UL into TS 38.101-3 | 17.0.0 |
| 2020-12 | RAN#90 | RP-202463 | 0429 | | B | CR to reflect the completed Dual Connectivity (DC) of x bands (x=1,2,3) LTE inter-band CA (xDL1UL) and 3 bands NR inter-band CA (3DL1UL) | 17.0.0 |