

FCC Test Report

Report No.: AGC01684180501FE07

FCC ID : 2AJ2B-TPS360

APPLICATION PURPOSE: Original Equipment

PRODUCT DESIGNATION: Handheld Fingerprint Terminal

BRAND NAME : N/A

MODEL NAME : TPS360

CLIENT: Telepower Communication Co., Ltd

DATE OF ISSUE .: July 17, 2018

FCC Part 22 Rules

STANDARD(S) : FCC Part 24 Rules

FCC Part 27 Rules

REPORT VERSION : V1.3

Attestation of Global Compliance (Shenzhen) Co., Ltd.

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	plane / San	June 25, 2018	Invalid	Original Report
V1.1	1 st	July 12, 2018	Invalid	Revise Report P6 P56-60 113
V1.2	2 nd	July 13, 2018	Invalid	Revise Report P51-52 P60-61
V1.3	3 rd	July 17, 2018	Valid	Revise Report P6

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1.VERIFICATION OF COMPLIANCE

Telepower Communication Co., Ltd			
5 Bld, Zone A, Hantian Technology Town,No.17 ShenHai RD, Nanhai District Foshan, China			
Telepower Communication Co., Ltd			
5 Bld, Zone A, Hantian Technology Town, No.17 ShenHai RD, Nanhai District Foshan, China			
Handheld Fingerprint Terminal			
N/A			
TPS360			
May. 28, 2018~June 25, 2018			
None			
Normal			

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance(Shenzhen) Co., Ltd. The data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI/TIA-603-E-2016. The sample tested as described in this report is in compliance with the FCC Rules Part22, 24 and 27.

The test results of this report relate only to the tested sample identified in this report.

Tested By	donjon vang	
THE STATE OF THE S	Donjon Huang(Huang Dongyang)	June 25, 2018
Reviewed By	Bore xie	
The Townson	Bart Xie(Xie Xiaobin)	July 17, 2018
Approved By	Foresto ei	
不 橙 测	Forrest Lei(Lei Yonggang) Authorized Officer	July 17, 2018

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2. GENERAL INFORMATION

2.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Radio System Type:	LTE Medium de Garage	- Barrier 100 100				
Hardware version:	MAIN-360D-V2	.4				
Software version:	TPS360_V1.0.0					
Frequency Bands:	☐FDD Band 12 ☐TDD Band 4 ☐FDD Band 1 ☐FDD Band 20	☐ ☐ FDD Band 4 ☐ FDD Band 5 ☐ FDD Band 7 2 ☐ FDD Band 25 ☐ FDD Band 26 1 (U.S. Bands) ☐ FDD Band 3 ☐ FDD Band 7 ☐ FDD Band 8 0 ☐ TDD Band 33 ☐ TDD Band 34 ☐ TDD Band 38 0 ☐ FDD Band 42 ☐ FDD Band 43 (Non-U.S. Bands)				
CO CO	LTE Band 2	Transmission (TX): 1850 to 1909.9 MHz				
	100	Receiving (RX): 1930 to 1989.9 MHz				
W 701	LTE Band 4	Transmission (TX): 1710 to 1754.9 MHz				
bad Compliance	NE station of	Receiving (RX): 2110 to 2154.9 MHz				
Frequency Range	LTE Band 5	Transmission (TX): 824 to 848.9 MHz				
NGO!		Receiving (RX): 869 to 893.9 MHz				
拉加	LTE Band 7 LTE Band 25	Transmission (TX): 2500 to 2569.9MHz				
(Clobal Coll) (Clobal Coll)		Receiving (RX): 2620 to 2689.9 MHz				
American S. G. C. Maria		Transmission (TX): 1850 to 1914.9 MHz				
		Receiving (RX): 1930 to 1994.9 MHz				
The Control of the Co	LTE Band 2	 ☐ 1.4 MHz				
	LTE Band 4	 ✓ 1.4 MHz ✓ 3 MHz ✓ 5 MHz ✓ 10 MHz ✓ 15 MHz ✓ 20 MHz 				
Supported Channel Bandwidth	LTE Band 5					
The Manual Compliant (8) Allestation of the	LTE Band 7					
AGO AG	LTE Band 25	 ✓ 1.4 MHz ✓ 3 MHz ✓ 5 MHz ✓ 10 MHz ✓ 15 MHz ✓ 20 MHz 				
Antenna:	PIFA Antenna	F. M. Commission C. C. Manufacture C. C. Manufac				
Type of Modulation	QPSK/16QAM					
Antenna gain:	-1.60dBi(LTE band 2),-1.25dBi (LTE band 4), -1.47dBi (LTE band 5), -1.32dBi(Band 7) -1.71dBi (LTE band 25),					
Power Supply:	DC 3.8V by battery					
Single Card:	GSM/WCDMA/LTE Card Slot					

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Power Class	3	环	A The Third of The Third of	Appliance F 3
Extreme Vol. Limits:	DC3.4V to 4.35 V (Normal: 3.8 V)	(C) Allestation of C	(8) Allestation of Clos	a C Allestation of
Temperature range	-10℃ to +50℃		30	

Note1: The High Voltage DC4.35V and Low Voltage DC3.4V were declared by manufacturer, The EUT couldn't be operating normally with higher or lower voltage..

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2.2 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AJ2B-TPS360**, filing to comply with the FCC Part 22, Part 24 and Pant 27 requirements

2.3 TEST METHODOLOGY

The radiated emission testing was performed according to the procedures of ANSI/TIA-603-E-2016, and FCC KDB 971168 D01 Power Means License Digital Systems V03R01.

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2.4 TEST FACILITY

Site	Attestation of Global Compliance (Shenzhen) Co., Ltd				
Location	1-2F., Bldg.2, No.1-4, ChaxiSanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, BaoanBldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012				
NVLAP LAB CODE	600153-0				
Designation Number	CN5028				
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by National Voluntary Laboratory Accreditation program, NVLAP Code 600153-0				

ALL TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	Jun.20, 2017	Jun.19, 2018
TEST RECEIVER	R&S	ESPI	101206	Jun.18, 2018	Jun.17, 2019
LISN	R&S	ESH2-Z5	100086	Aug.21, 2017	Aug.20, 2018
TEST RECEIVER	R&S	ESCI	10096	Jun.20, 2017	Jun.19, 2018
TEST RECEIVER	R&S	ESCI	10096	Jun.18, 2018	Jun.17, 2019
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec.08, 2017	Dec.07, 2018
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.20, 2017	Sep.19, 2018
preamplifier	ChengYi	EMC184045SE	980508	Sep.15, 2017	Sep.14, 2018
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May.18, 2017	May.17, 2019
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun.20, 2017	Jun.19, 2018
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun.18, 2018	Jun.17, 2019
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep.28, 2017	Sep.27, 2018
SIGNAL ANALYZER	Agilent	N9020A	MY52090123	Sep. 21, 2017	Sep. 20, 2018
USB Wideband Power Sensor	Agilent	U2021XA	MY54110007	Sep. 21, 2017	Sep. 20, 2018
Universal Radio Communication Tester	R&S	CMU200	120237	Mar.01,2018	Feb.28,2019
Universal Radio Communication Tester	Agilent	8960	GB46200384	July 16,2017	July 15,2018
Wireless communication test	R&S	CMW500	120909	July 13, 2017	July 12, 2018

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Power Splitter	Agilent	11636A	34	Sep.21,2017	Sep.20,2018
Attenuator	JFW	50FHC-006-50	N/A	Jun.20, 2017	Jun.19, 2018
Attenuator	JFW	50FHC-006-50	N/A	Jun.18, 2018	Jun.17, 2019

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2.5 SPECIAL ACCESSORIES

The battery was supplied by the applicant were used as accessories and being tested with EUT intended for FCC grant together.

2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

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3. SYSTEM TEST CONFIGURATION

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The Transmitter was operated in the maximum output power mode through Communication Tester. The TX frequency was fixed which was for the purpose of the measurements.

3.3 GENERAL TECHNICAL REQUIREMENTS

Item Number	Iter	FCC Rules		
® Asidion of Goo.	Conducted output power		2.1046/22.913(a)(2)/24.232(d	
CO T	Output Power	Radiated output power	27.50(d)(4)/ 27.50(h)(2)	
2	Peak-to-Average		24 222(4)	
2	Ratio	Peak-to-Average Ratio	24.232(d)	
视	diance © ### dation of Clothe	Conducted	2.4054/22.047(5)/24.229(6)	
© 3	Spurious Emission	spurious emission	2.1051/22.917(a)/24.238(a)	
		Radiated spurious emission	27.53(h)/ 27.53(g)	
4	Frequency Stability	The terminates The transformation	2.1055/22.355/24.235/27.54	
5	Occupied Bandwidth	ation of Guille & State attion of State at State & Sta	2.1049 (h)(i)	
S S S S S S S S S S S S S S S S S S S	Band Edge		2.1051/22.917(a)/24.238(a)	
Messalion 6			27.53(h)/ 27.53(g)	

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different.

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3.4 CONFIGURATION OF EUT SYSTEM

Fig. 2-1 Configuration of EUT System

Kilmpiance	A TONION	® station of	® # Izalion of Grown	4
Glopal Co.,	EUT	CC ATTO	Accessory	
a.C				

Table 2-1 Equipment Used in EUT System

Item	Equipment	Model No.	ID or Specification	Remark	
1 ®	Handheld Fingerprint Terminal	TPS360	2AJ2B-TPS360	EUT	
2	Adapter	Adapter SC/10WA050200US		Accessory	
3	Battery	HDT-7100	DC3.8V/ 3000mAh	Accessory	
4	USB	N/A	N/A	Accessory	

^{***}Note: All the accessories have been used during the test. The following "EUT" in setup diagram means EUT system.

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4. SUMMARY OF TEST RESULTS

Item Number	Item De	scription	FCC Rules	Result	
1 Output Power		Conducted Output Power	2.1046/22.913(a)(2)/24.232(c)/	Pass	
CC ,	output i outoi	Radiated Output Power	27.50(d)(4)/ 27.50(h)(2)	O AMERICAN CONTRACTOR	
2	Peak-to-Average Ratio	Peak-to-Average Ratio	24.232(d)	Pass	
3	Spurious Emission	Conducted Spurious Emission Radiated Spurious Emission	2.1051/22.917(a)/24.238(a) 27.53(h)/ 27.53(g)	Pass	
4	Frequency Stability	GO B	2.1055/22.355/24.235/27.54	Pass	
5	Occupied Bandwidt	h	2.1049 (h)(i)	Pass	
6	Band Edge	E The Combined of The American	2.1051/22.917(a)/24.238(a) 27.53(h)/ 27.53(g)	Pass	

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5. DESCRIPTION OF TEST MODES

During the testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication Tester (CMW 500) to ensure max power transmission and proper modulation. Three channels (The top channel, the middle channel and the bottom channel) were chosen for testing on both LTE frequency band. The worst condition was recorded in the test report if no other modes test data.

Test Mode	Test Modes Description
LTE TO THE	LTE system, QPSK modulation
ETE To do other	LTE system, 16QAM modulation

Tarakharda	TY / DY	RF Channel			
Test Mode	TX / RX	Low (B)	Middle (M)	High (T)	
(R) Attestation of the		Channel 18607	Channel 18900	Channel 19193	
GU - C	TX (1.4M)	1850.7 MHz	1880 MHz	1909.3 MHz	
	TV (OM)	Channel 18615	Channel 18900	Channel 19185	
-100	TX (3M)	1851.5 MHz	1880 MHz	1908.5 MHz	
ompliance The	TV (514)	Channel 18625	Channel 18900	Channel 19175	
Allestation	TX (5M)	1852.5 MHz	1880 MHz	1907.5 MHz	
G	TV (4014)	Channel 18650	Channel 18900	Channel 19150	
授 测	TX (10M)	1855.0 MHz	1880 MHz	1905.0 MHz	
Fol Global Companies	TV (45NO)	Channel 18675	Channel 18900	Channel 1912	
in station of the sta	TX (15M)	1857.5 MHz	1880 MHz	1902.5 MHz	
	TX (20M)	Channel 18700	Channel 18900	Channel 19100	
LTE D. LO		1860.0 MHz	1880 MHz	1900.0MHz	
LTE Band 2	RX (1.4M)	Channel 607	Channel 900	Channel 1193	
- C M		1930.7 MHz	1960 MHz	1989.3 MHz	
	DV (OM)	Channel 615	Channel 900	Channel 1185	
THE THE	RX (3M)	1931.5 MHz	1960 MHz	1988.5 MHz	
al Compliant	DV (FM)	Channel 625	Channel 900	Channel 1175	
(G)	RX (5M)	1932.5 MHz	1960 MHz	1987.5 MHz	
	DV (4014)	Channel 650	Channel 900	Channel 1150	
The plane	RX (10M)	1935 MHz	1960 MHz	1985 MHz	
The state of the s	C DV (ACM)	Channel 675	Channel 900	Channel 1125	
Allestan	RX (15M)	1937.5 MHz	1960 MHz	1982.5 MHz	
	DV (00M)	Channel 700	Channel 900	Channel 1100	
A 700	RX (20M)	1940.0 MHz	1960.0 MHz	1980.0 MHz	

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atton of Globa	TV/DV	RF Channel			
Test Mode	TX / RX	Low (B)	Middle (M)	High (T)	
: III	TV (4 -4 B 4)	Channel 19957	Channel 20175	Channel 20393	
mance The Compile	TX (1.4M)	1710.7 MHz	1732.5 MHz	1754.3 MHz	
(8) The station of Globa	TV (2M)	Channel 19965	Channel 20175	Channel 20385	
G Aller	TX (3M)	1711.5 MHz	1732.5 MHz	1753.5 MHz	
litti:	TV (FNA)	Channel 19975	Channel 20175	Channel 20375	
Thou compliance	TX (5M)	1712.5 MHz	1732.5 MHz	1752.5 MHz	
ijon of Gib.	TX (10M)	Channel 20000	Channel 20175	Channel 20350	
CO AME	TX (TUIVI)	1715 MHz	1732.5 MHz	1750 MHz	
	TV (45NA)	Channel 20025	Channel 20175	Channel 2032	
The top com	TX (15M)	1717.5 MHz	1732.5 MHz	1747.5 MHz	
® Milestation of Gio	TX (20M)	Channel 20050	Channel 20175	Channel 20300	
LTC Donal 4		1720 MHz	1732.5 MHz	1745 MHz	
LTE Band 4		Channel 1957	Channel 2175	Channel 2393	
	RX (1.4M)	2110.7 MHz	2132.5 MHz	2154.3 MHz	
" 亚城	DV (OM)	Channel 1965	Channel 2175	Channel 2385	
® Figure 1 and 1 a	RX (3M)	2111.5 MHz	2132.5 MHz	2153.5 MHz	
(C) **	DV (CM)	Channel 1975	Channel 2175	Channel 2375	
- Till	RX (5M)	2112.5 MHz	2132.5 MHz	2152.5 MHz	
The Manufacture	DV (40M)	Channel 2000	Channel 2175	Channel 2350	
in of Girobal C	RX (10M)	2115 MHz	2132.5 MHz	2150 MHz	
- GO "	DV (4EM)	Channel 2025	Channel 2175	Channel 2325	
	RX (15M)	2117.5 MHz	2132.5 MHz	2147.5 MHz	
IN TOTAL	DV (2014)	Channel 2050	Channel 2175	Channel 2300	
Global Co	RX (20M)	2120 MHz	2122 E MU-	21.45 MH-	

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Took Mode	TV / DV	RF Channel				
Test Mode	TX / RX	Low (B)	Middle (M)	High (T)		
Air Mir	TV (4 4 1 4 1 4 1)	Channel 20407	Channel 20525	Channel 20643		
Juance The Compline	TX (1.4M)	824.7 MHz	836.5 MHz	848.3 MHz		
® Fration of Globbs	TV (2M)	Channel 20415	Channel 20525	Channel 20635		
G Ames	TX (3M)	825.5 MHz	836.5 MHz	847.5 MHz		
100	TV (CNA)	Channel 20425	Channel 20525	Channel 20625		
The Kill Compliance	TX (5M)	826.5 MHz	836.5 MHz	846.5 MHz		
pation of Globs	TX (10M)	Channel 20450	Channel 20525	Channel 20600		
LTE Dand E		829 MHz	836.5 MHz	844 MHz		
LTE Band 5	RX (1.4M)	Channel 2404	Channel 2525	Channel 2463		
The Medical Comment		869.4 MHz	881.5 MHz	893.3 MHz		
® Allestation of Gib	DV (2M)	Channel 2415	Channel 2525	Channel 2635		
0	RX (3M)	870.5 MHz	881.5 MHz	892.5 MHz		
	DV (EM)	Channel 2425	Channel 2525	Channel 2625		
	RX (5M)	871.5 MHz	881.5 MHz	891.5 MHz		
· 大人	DV (40M)	Channel 2450	Channel 2525	Channel 2600		
® Atalian of Globa	RX (10M)	874 MHz	881.5 MHz	889 MHz		

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Took Mode	TV / DV	RF Channel			
Test Mode	TX / RX	Low (B)	Middle (M)	High (T)	
1111	TV (FNA)	Channel 20775	Channel 21100	Channel 21425	
校 domiliance	TX (5M)	2502.5 MHz	2535 MHz	2567.5 MHz	
® Martalion of Globa	TV (40M)	Channel 20800	Channel 21100	Channel 21400	
C AME	TX (10M)	2505 MHz	2535 MHz	2565 MHz	
	TV (4 CM)	Channel 20825	Channel 21100	Channel 21375	
The Non Compliance	TX (15M)	2507.5 MHz	2535 MHz	2562.5 MHz	
	TX (20M)	Channel 20850	Channel 21100	Channel 21350	
		2510 MHz	2535 MHz	2560 MHz	
LTE Band 7	RX (5M)	Channel 2775	Channel 3100	Channel 3425	
不		2622.5 MHz	2655 MHz	2687.5 MHz	
® Milestation of Glo	DV (40M)	Channel 2800	Channel 3100	Channel 3400	
00	RX (10M)	2625 MHz	2655 MHz	2685 MHz	
	DV (45M)	Channel 2825	Channel 3100	Channel 3375	
	RX (15M)	2627.5 MHz	2655 MHz	2682.5 MHz	
A Thomas	DV (20M)	Channel 2850	Channel 3100	Channel 3350	
® Flation of Glove	RX (20M)	2630 MHz	2655 MHz	2680 MHz	

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The Compile	Alles	The state of the s		-mh
Test Mode	TX / RX		RF Channel	The spinore
rest wode	TATIO	Low (B)	Middle (M)	High (T)
701	TX (1.4M)	Channel 26047	Channel 26365	Channel 26683
nollarice The Complime	1 A (1.4IVI)	1850.7MHz	1882.5 MHz	1914.3 MHz
© Martin of Globs	TX (3M)	Channel 26055	Channel 26365	Channel 26675
G MILL	IA (SIVI)	1851.5 MHz	1882.5 MHz	1913.5 MHz
- TIME	TV (CM)	Channel 26065	Channel 26365	Channel 26665
That Compliance	TX (5M)	1852.5 MHz	1882.5 MHz	1912.5 MHz
Ballon of Glove	TV (40M)	Channel 26090	Channel 26365	Channel 26640
CC AME	TX (10M)	1855.0 MHz	1882.5 MHz	1910.0MHz
	TV (45M)	Channel 26115	Channel 26365	Channel 26615
The Man Come of	TX (15M)	1857.5 MHz	1882.5 MHz	1907.5 MHz
® ## stallon of Glob	TX (20M) RX (1.4M)	Channel 26140	Channel 26365	Channel 26590
LTE Dand OF		1860.0 MHz	1882.5 MHz	1905.0 MHz
LTE Band 25		Channel 8047	Channel 8365	Channel 8683
anl .		1930.7 MHz	1962.5 MHz	1994.3 MHz
·····································	DV (OM)	Channel 8055	Channel 8365	Channel 8675
® Fathlon of Gloud	RX (3M)	1931.5 MHz	1962.5 MHz	1993.5 MHz
-,C ***	DV (EM)	Channel 8065	Channel 8365	Channel 8665
	RX (5M)	1932.5 MHz	1962.5 MHz	1992.5 MHz
The Thermodernos	DV (40NA)	Channel 8090	Channel 8365	Channel 8640
F Clobal C	RX (10M)	1935.0 MHz	1962.5 MHz	1990.0 MHz
- GO "	DV (ACM)	Channel 8115	Channel 8365	Channel 8615
-64	RX (15M)	1937.5 MHz	1962.5 MHz	1987.5 MHz
不检验	DV (00NA)	Channel 8140	Channel 8365	Channel 8590
(S) The state of Global Co	RX (20M)	1940.0 MHz	1962.5 MHz	1985.0 MHz

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6. OUTPUT POWER

6.1 CONDUCTED OUTPUT POWER

6.1.1 MEASUREMENT METHOD

The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50ohm, the path loss as the factor is calibrated to correct the reading. A system simulator was used to establish communication with the EUT, Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported. The measurements were performed on all modes at 3 typical channels (the Top Channel, the Middle Channel and the Bottom Channel) for each band.

6.1.2 MEASUREMENT RESULT

	Conducted Output Power Limits						
Mode	Average Power	Tolerance(dB)					
CLTE	23 dBm (0.2W)	± 2.7					

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LTE Band 2

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
ig.	Clopal Com.		a.C	1	0	0	21.86
				1	49	0	22.82
				* 1	99	0	21.99
			QPSK	50	Complex O	F Mobal T	21.00
		F "auce	® # Jalion of Giv	50	25	alion 1	20.99
	是 形。	Ombin	Alle	50	49	1	21.03
	19700	1860.0		100	0	1	20.82
	18700	1000.0		1	0	1	21.10
	1177-	. A		- Till 1	49	1 2 3/	21.13
	AST Mance	45.		Kingliance 1 @	99	® station of	21.09
	Ellopal Comp.	The Compile	16QAM	50	0	2	20.01
	® 4	atation of Gio.	Attestation	50	25	2	20.05
	a.C			50	49	2	20.00
				100	0	2	19.84
			100	1 King	0	4 (C) (C)	23.18
	1995		FL Mindians	Total Co	49	0	23.22
	The mailance	(8) May 100	of Glope	Marketalion 1	99	0	23.23
	of Global Co	Allesta	QPSK	50	0	1	22.14
	on,			50	25	1 . *	22.22
				50	49	- 1 dopar	22.15
001411	40000	10000	A.F.	100	0	1	22.41
20MHz	18900	1880.0	© A jon of Glow	7 station of	0	1	22.02
	- 5	oal Con	Allestan		49	1	23.15
	Attestation			1	99	. 1	23.30
			16QAM	50	0	2	21.13
			all	50	25	2 04	21.22
	THE SAME	Kar Kar	lauce (B)	50	49	2	21.19
	The Compilar	Elopal Con.		100	0	2	21.44
		Alles lation		1	0	0	23.04
				1	49	0 🐀	21.99
			litter	1	99	O motorco	23.14
		in Till	QPSK	50	0	F 0 61001	21.13
	环	ompliano	E Global Comp.	50	25	All states 1	21.15
	® A Glober	® ##	allon of Co	50	49	1	21.20
	10100	4000.0		100	0	1	21.39
	19100	1900.0		1	0	1	21.96
		-17		1 1	49	1 4	21.03
		一极 剂	° 1	Compliant 1	99	The tallor of	21.58
	uce	F. Global Company	16QAM	50	0	2	20.09
	® ,	Hestation of	Alles de la companya	50	25	2	20.17
	C.C			50	49	2 2	20.35
				100	0	2	20.36

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)													
THE STATE OF	100	0 E.	Of Global	# 10001	0	0	21.62													
	KE Compliance	Altesta	(8)	allestation 1	37	0	21.84													
	of Global C	6		1	74	0	22.07													
			QPSK	36	0	1:11	20.88													
			QI OIX	36	16	Th. 181	20.43													
	S	-7011	# 1G0	36	35	of Global 1	20.46													
	40075	4057.5	(B) Allestation C	75	0	1	20.75													
	18675	1857.5		\sim 0.1	0	1	20.90													
	Attestation			1	37	1	20.59													
				1	74	1 🔏	21.70													
	LIJE:	in:	16QAM	36	3 O com	2	19.89													
	The ompliance	T KEL DIE	· 1	36	16	2	20.03													
	of Global Co	Clopal Court	® A Jon of G	36	35	2	19.91													
		itestation of	Altestall	75	0	2	19.79													
				1	0	0	23.12													
				1 - 700	37	M. Comp. O	23.46													
A Thomas of the state of the st		QPSK	Til compilance	74	0	23.75														
			36	0	1.0	22.15														
			36	16	1	22.09														
			36	35	1	22.31														
Attes	40000	10000		75	- O	15/ 000	22.58													
15MHz	18900	1880.0	私	A 1 2	0	3 4 1 of Give	22.99													
		IIII		1 4	37	1	23.11													
	ু সূ	Compliance	® Manager of Grand	Alle status	74	1	23.07													
	® # Honore	1000	16QAM	36	0	2	21.09													
	Allesto																36	16	2	21.36
			·	36	35	2	21.44													
	-1111		300	75	0	2	21.63													
	Kil plance	1 10 NO	Marsa O 4	atalian or all	0	0	22.70													
	Clopal Coun	The Hon of Global	a.C	16	37	0	22.69													
		Attestand		1	74	0	21.73													
			QPSK	36	- O	.1	21.15													
		libe	AUG:	36	16	Th. 1	21.00													
	1	137 Mayos	TK Tompliance	36	35	ion of Green 1	21.16													
	40105	1000 =	F of Global	75	0	1	21.40													
	19125	1902.5	and a second	C 1	0	1	22.33													
	J	60		1	37	1	21.69													
				. 1	74	1 1	21.44													
		3	16QAM	36	0	© 2	20.17													
	: 1/1/1	IN KELDON	100	36	16	2	20.15													
	c and	The Global Ca	® Atalian of	36	35	2	20.23													
		Attestation	Alles	75	0	2	20.50													

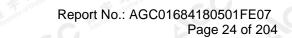
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
-Till	AII.	y	The pal Compile	The Implies	O Alleste	0	21.52
KET Ulauce		® 5	on of Clu	Finn of Glob 1	24	0	21.58
i Comir		a.C. Alles	- 63	1	49	0	21.92
® station			QPSK	25	0	1	20.69
				25	12	1/1/20 A	20.74
9			亚	25	25	The cort	20.82
格神	10050	1855.0	® # Station of Globb	50	0	1	20.67
E FA Compa	18650	1655.0	Attes	1	0	1	20.91
a lestation of O.				1 1	24	1	21.16
Aur				1	49	1	21.34
			16QAM	25	O Strongiano	2	19.46
		IN THE		25	12	© \$ 2	19.59
20		EK al Compilar	F 3/10	25	25	2	19.76
® A tallo		Lation of Globa	® Mulestation of	50	0	2	19.71
Allee	- 6	Ness .		1	0	0	23.85
				1	24	0	23.49
			litte 7	16	49	0 ® 4	23.25
			QPSK	25	0,110=12110	_1	22.46
-Am		® ##	Of Glops, ®	25	12	1	22.19
mplia = =		Allestan		25	25	1	22.38
400411-	40000	4000 0		50	0	1. 板	22.46
10MHz	18900	1880.0		30 1	0	1, Global C	23.22
		-711	The William	mailance 1 3	24	37. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23.11
THE THE		Mar plance	(R) Figure 1 of Global C	® 1 station of ®	49	1	23.03
The Assembliant		oal Coun	16QAM	25	0	2	21.40
Hation of Glov		< G		25	12	2	21.39
astu				25	25	2	21.42
			all	50	0	2 @ 4	21.48
		一位	lauce (2) A	秀 (1000 1 ®	0	0	22.51
		FA Global Con		esterne 1	24	0	21.99
® # Hinn		Hestation of	-60	1	49	0	21.77
Altestan		pu-	QPSK	25	0	1:11	19.35
				25	12	To Tollance	19.49
		- [1][]	HSL sance	25	25	Global 1	19.76
litt:	40450	4005.0	E Thomas Compile	50	O Milesto	1	19.71
Kil mplance	19150	1905.0	ation of the	- G 1	0	1	22.14
al Co.		C Ame		1	24	1	21.98
\G\				1	49	1	21.52
			16QAM	3 25	0	2	20.06
		45 T	8	25	12	2	20.10
一概		E The Compil	OF FOR	25	25	2	20.12
FA Global Comp.		a station of G	Altestation	50	0	2	20.34

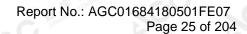
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
A TIME		(e) The #3	on of Global	S Clove T	0	0	21.46
	FY Will Compliance	Attesta		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12	0	21.29
	A Glov			1	24	0	21.63
			QPSK	12	1 0	17/11	20.49
		-011		12	6	K Clopal Co	20.50
	6 1	EL poliance		12	11	1	20.57
	18625	1852.5		25	0	1	20.44
	10023	1002.0		1	0	1	20.84
				1	12	1 5	21.11
	- FILL	. T. 711		1 The 1	24	@ #1 Fraison of Glot	21.27
	M Compilar	The Asia Compiler	16QAM	12	0	2	19.44
	Color C	Estation of Glob		12	6	2	19.46
	C.C	~ C		12	11	2	19.73
				25	0 3	2	19.80
			T Williams	TK1 KSL Compliance	O tallon of	0	23.61
	KEL Marce	0 5 3		State of the state	12	0	23.53
	E * Clopal Comp.	Altestatio		Attes 1	24	0	23.23
	tion o'		QPSK	12	0	1 %	22.26
				12	6	Tolobalo	22.38
		LIJE:		12) od Com 11	Allesta 1	22.49
5MHz	10000	1000.0		25	0	1	22.52
SIVITZ	18900	1880.0	J	G 1	0	1	23.21
	C Allesto			1	12	1	23.11
				1/1 Milliones	24	1	23.01
	THE FILL	极	16QAM	12	0	2	22.87
	FY Wil Compliance	Global Con		12	6	2	22.99
	N. Clon. B	Attestation of		12	11	2	21.72
	- GU			25	0	2	21.59
		-011	-3111	1	0	F/ 0 0	22.21
	6.1	F Thilance		(e) 1 % (c) (c)	12	lon of City O	22.19
	O THE OF Global	(8) %		1 Tuestan	24	0	21.80
	Allestation	CC MICO	QPSK	12	0	1	20.74
				12	6	1 ,	20.79
		-		12	11	1 4 3	20.98
	19175	1907.5	inco I	25	O O	Testallo.	21.20
	191/5	1907.5	® Managarion of G	10	0	1	21.36
	-C	Attestation		1	12	1	20.55
	100	16		1	24	T Pance	20.29
			16QAM	12	0 %	(Global 2 ®	20.00
	THE THE	22		12	6	2	20.05
	The Compliance	® ## 10 state		12	11	2	20.07
	ation of Globa			25	0	2	20.35

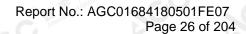
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
III.	- Fills	0 # 4	of Global C	Cichal 1	0	0	21.55
	Compliance	Attestal	ON AN	alalion 1	7	0	21.42
	3lops.		- GU	1	14	0	21.68
			QPSK	8	30 0	45.17 M	20.11
		and a	不	8	- 4 - 4	3A Com	20.33
	大概	- oliance	(B) Station of Glob	8 8 monday	7	1.	20.57
	40045	4054.5	G Ame	15	0	1	20.43
	18615	1851.5		1	0	1	20.75
				1	7	1 🔬	20.89
	AND THE	- 71	S	1	14	® # 15 not Glot	21.26
	EV Vistoriano	The Complian	16QAM	8	0	2	19.44
	(B) #	station of Globa	® Attestation of	8	4	2	19.36
	aG F	- C		8	7	2	19.54
				15 📣	0 🦠	2	19.43
			The states	The Compliance	® O	0	23.73
	AST MINE	0 - 4	of Clopal Court	and of Glos	7	0	23.46
	Elopal Compile	Altestatio	-C	1	14	0	23.54
	W OI	30	QPSK	8	0	1 框	22.40
				8	4	GlobalCo	22.34
		LIJE:	玉龙	8 4 3	od Contra	Altestate	22.59
ONAL 15 June	40000	4000.0	® Tation of Globa	15	0	1	22.68
3MHz	18900	1880.0		1	0	1	23.11
	Altestan			1	7	1	23.03
				* A Manco	14	1 ,	22.94
	TIME -	杨	16QAM	8 8	0	2	21.48
	Kal Compliance	E Global Con	All All	8	4	2	21.39
	Slope (8)	Attestation of C	~ GO	8	7	2	21.58
	- GU			15	0	2	21.60
		-11	-3 <u>III</u>	1	January O	1 0	22.37
	THE WAY	- Ollance	The Compliance	1 \$ of Glob?	70 🐔	on of Glove O	22.09
	F of Global C	® 4	Jion of Global	1	14	0	21.75
	Allestation S	C Alter	QPSK	8	0	1	20.11
				8	4	1	20.52
				8	77 Compile	15	20.87
	10405	1000 5	· 156	15	0	A station	20.83
	19185	1908.5	® Atlien of Gr	1-0	0	1	21.79
		itestatio.	C Allegar	1	7	1	21.45
	CO		7	1	14	K 检 100	21.32
			16QAM	8	0 4	Global 2 ®	19.52
	- 1911		The North Compliance	8	4	2	19.27
	The Compliance	® ### alal	Not Glor ®	8	7	2	19.85
	on of Globs	-C Allee	60	15	0	2	19.88

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
11/2 m	A AM	3 By 13	n of Global	学 (1000) 1	0	0	21.29
Compile	A hal Compliance	Allestati	All	1	3	0	21.23
® A station of	3lon		CO	1	5	0	21.45
C ATTO			QPSK	3	0	0	21.37
1111:		-cill	私	3	2	3/1000	21.28
TK KEL MAN	人类	nollance - July	® A the station of Grand	3	3	0	21.39
inn of Global C	18607	1850.7	0 -	6	0	1	20.43
Hestalle	10007	1630.7		1	0	1	21.54
10				1	2	1 1	21.49
	**** *********************************	- FILL		3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 5	(8) The state of Glob	21.58
ti.	Y Compilar	FK hal Compilar	16QAM	3	0	1	20.22
® Mestation	® #	station of Glov	(8) Attestation of	3	1	1	20.09
	a.G			3	2	71	20.50
			-71	6	0	2	19.45
			To Marce	The 1 Compliance	© 0	0	23.63
	AST Minus	- B	* Clopal Cou.,	Ton of GIO 1	2	0	23.46
npliance	FA Comp.	Attestation	a.C	1	5	0	23.52
(B) Allestati	0,0		QPSK	3	0	0	23.15
60				3	1 The 1	0	23.54
		litte:	一下 1	3	od Com 2	0	23.60
4 48 40 1	40000	4000.0	® ## chatton of Globe	6	0	1	22.76
1.4MHz	18900	1880.0		1	0	1	23.14
station	Allesta			1	2	1	23.09
				11 mg	5	1	23.27
	LINE -	431	16QAM	3 @	0	1	22.39
3	Kal Compliance	E Global Com		3	1	1	22.45
® tation of	Slops. ®	Attestation of C	~GO	3	2	1	22.62
C Attesti	- GU			6	0	2	21.70
		-til	litt:	1	E TOTAL O	Th 0	21.81
	*	Z ^{oliance}	The Compliance	1 F (100)	2	O O	21.77
松	F Global C)mv	ion of Global	1	5	0	21.84
Combine	Altestation C	Altest	QPSK	3	0	0	21.52
10°				3	1, 1	0	21.60
		-71		3	2	0	21.76
:77	10100	1000.0	· IN	6 °	Separation of O	AN Stations	20.94
EK Compile	19193	1909.3	® A talion of Gud	1.0	0	1	21.29
The California Caloba		Hestallo.	C MILEST	1	2	1	21.06
Attesta	CO		7	1	5	Kin has	21.22
			16QAM	3	0_4	Global 1 ®	20.55
-7111	-300		TY Jan Compliance	3	1 Allestand	1.0	20.59
E tublishes	The Compliance	® A State	Vol. Clos.	3	2	1	20.85
· (a) ##	on of Globa	Alless Alless	60	6	0	2	20.01

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LTE Band 4

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
4	V. Coura			1	0	0	23.46
® State station of				1	49	0	23.11
				7 THE 1	99	0	22.58
Jim.			QPSK	50	O	3/1000	21.45
Ker olland	3d	ince in	® # Jalion of Glov	© 50 To a constant	25	_{sta} on 1	21.50
F Global Comb	五 天	Anpino.	Alless	50	49	1	21.75
Allestation of	20050	1700.0		100	0	1	21.98
	20050	1720.0		1	0	1	22.33
	Til.			-mil 1	49	1, 3	22.16
	1/51 Janes	AL THE		Kanaliance 1 ®	99	(C) Talion of	21.36
li.	* Combin	That Compilar	16QAM	50	0	2	20.52
® Me station	® #	tation of Glob	® Milestation C	50	25	2	20.49
E.G. Aller	-6	951		50	49	2	20.69
				100	0	2	21.04
			1111	1 Kit diano	0 3	(C)0000 O (C)	22.76
43	litt:		K Compliance	Joan Committee	49	0	23.20
7411 2	The Manual Price	® A sion	(Clops.	The station of the state of the	99	0	23.30
ompile	of Global Co.	Allesta	QPSK	50	0	1	21.73
Allestat	200			50	25	1 1	21.58
60				50	49	- 3 (Glopales	21.76
		-7311	The N	100	0	Allestal	21.79
20MHz	20175	1732.5	(R) The son of Glovall	(station of	0	1	21.48
The Compiler	# 3N	al Cons.	Attestation	_C1	49	1	21.53
tation of Glob	Attestation of	- C)		1	99	1	21.80
, tess			16QAM	50	0	2	21.44
				50	25	2 @ 4	21.74
	14	极	Tuce (3) The	50	49	2	20.84
_ 1	K al Compliano	F Global Contr		100	0	2	20.99
® See Janor		Allestation of		10	0	0	23.02
Altesto		1		1	49	0 :	22.94
5				1	99	O chance	22.66
		TIME .	QPSK	50	0	F Globa 1	21.06
(1177:	The William	mpliance	* Alobal Comp	50	25	des autorio	21.34
Kinglance	3 Figure of Global	® ###	ion of G	50	49	1	21.38
pal Co.	Altostati	c.Ci		100	0	1	21.57
	20300	1745.0		1	0	1	22.31
		-11		<u> </u>	49	1 4 3	21.94
-0		15 m		Compliane 1 ®	99	1	21.91
一板"	UC _C	The Hobal Compile	16QAM	50	0	2	20.36
EN Clobal Compa	® 4	station of Gill	100/1111	50	25	2	20.12
Allestation of	a.C	- 6		50	49	2 2 2	20.44
100				100	0	2	20.65

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FK Complian		Attestation	Attestation *		10	erill)	de.
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- AM		0 - 4	Global	# 300 T	- 0	0	23.51
	CK Kil mpllance	(R) Altesta	ono, ®	testation 1	37	0	23.42
	of Global Co	6	C.C	1	74	0	22.43
			QPSK	36	0	1:11	22.29
			QI OIX	36	16	The Tolland	22.19
	8	litte:	F 3/1	36	35	of Globar 1	21.70
	00005	4747.5	(B) Allestation of	75	0	1	21.95
	20025	1717.5		\sim 0.1	0	1	23.48
	Attestation			1	37	1	23.09
				1	74	1 4	21.83
	LIJE:	ini	16QAM	36	3000	2	20.44
	TK Compliance	T KEL OHE	· 10	36	16	2	20.39
	of Global Co	E Global Court	® ## Honore	36	35	2	20.72
	8 4	Hestation O'	Alte status	75	0	2	21.01
				1	0	0	22.94
			-711	1 - 700	37	0	23.07
			KET JIM	TI Compilants	74	0	23.21
	THE SALE	14	QPSK	36	0	1.0	21.49
	The Acamplian	® Mariestalio		36	16	1	21.22
	ion of Glov	75 1732.5	100	36	35	1	21.81
Alles	00475			75	- 0	1 1	21.84
15MHz	20175		732.5 16QAM	5 1 2	0	3 4 1 · C	22.08
		THE AND		Command of the state of the sta	37	1	21.97
	J	1 Compliance		Alle status	74	1	22.86
	® Stanford C	300		36	0	2	20.48
	Allesto			36	16	2	20.66
			1	36	35	2	20.88
	-7111		ATT.	75	0 000	2	20.80
	T Kil pilance	The North	March 8	tation of all	0	0	22.96
	Clopal Cour	S St. Jon of Global	a. G	160	37	0	22.85
		Attestan		1	74	0	22.39
			QPSK	36	- 0	.1	21.44
		-7311	litte:	36	16	Th. 1	21.39
		S ollance	The Compilance	36	35	ion of Green 1	21.40
	20205	47475	Fin of Global	75	0	1	21.62
	20325	1747.5		G 1	0	1	22.66
	,C 1/2	169		1	37	1	22.44
				1	74	1 1	22.08
		. 7	16QAM	36	0	@ 2	20.49
		The Comple	ecc.	36	16	2	20.77
	(B)	Fign of Global	® # station of	36	35	2	20.53
		Attestation	LG AMES	75	0	2	20.68

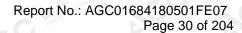
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- FILL .	:1111	6 - 4	of Global C	# Model 1	- 0	0	23.49
Compliance		Allestati	8 4	istation 1	24	0	23.74
@ # '\$		60		1	49	0	22.66
Attestation			QPSK	25	0	1,11	21.55
			6	25	12	SK Kill and	21.49
:701		-TIII)	T Global	25	25	of Global 1	21.98
EX Complian	20000	4745.0	(B) Milestation C.	50	0	1	22.14
Son of Global	20000	1715.0		. 01	0	1	23.03
ttestation				1	24	1	23.01
- 64				1	49	1	22.42
		1102	16QAM	25	- 3h O	2	21.00
		Ka poliane	不	25	12	2	20.85
@ # # ·		Clopal Court	® # Jion of Glo	25	25	2	20.96
Altestatio		testation	Attestan	50	0	2	21.17
	60			1	0	0	23.01
			lita-	1_ 🕬	24	hal comp. 0	22.99
			QPSK	3 1 1 Compliant	49	0	23.25
litte:		134		25	0	1	21.48
npliance		1722 5	oi e	25	12	1	21.77
® ##			- GO	25	25	1	21.91
40N4LI-	00475			50	- O	150	22.02
10MHz	20175	1732.5	5	1 1 1	1 Samonario O	8 % 311 of Green	22.12
Min:		THE FILL		1_ 4	24	Aller 1	22.47
The Impliance		al Compliano	® station of G	1 Allestan	49	1	22.89
Global Co.			16QAM	25	0	2	20.96
station				25	12	2	20.84
				25	25	2	21.12
			FILL)	50	- = 0	2	21.06
	Mil poliance	The North	(S)	estation of the 1	The state of O	0	22.69
4		The sign of Global	CG F	1	24	0	22.57
(R) Marketation (Attesta		1	49	0	22.18
			QPSK	25	- O	17	21.33
		-1111	100	25	12	Th. 1	21.45
20250	F ^{oliance}	The Compliance	25	25	not General 1	21.46	
	47500	For Global	50	0	1	21.42	
Complian	20350	1750.0		1 1	0	1	22.39
		60		1	24	1	22.81
				. 1	49	1 1	22.03
		- :JJ	16QAM	25	0	© 2	20.52
12		The Comple	TV	25	12	2	20.44
The Complete		Fign of Global	® station of G	25	25	2	20.56
The state of Globe		Attestation	C Alles	50	0	2	20.49

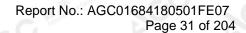
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
711		(P) ##4	n of Global	# 3000°T	0	0	23.37
	K Kil Compliance	Attesta		estatio 1	12	0	23.41
	o of Glove			1	24	0	23.07
			QPSK	12	, 10 O	The state of	21.59
	A.	-1111		12	6	3/N of 1	22.15
	· · · · · · · · · · · · · · · · · · ·	Mance Manager		[®] 12	11	1	22.25
	19975	1712.5		25	0	1	22.27
	19975	1712.5		1	0	1	22.95
	- 1			1	12	1 5	22.84
	AST MINIO	ALT. THE		校 _{nollarice} 1	24	@ # station of G	22.76
	* Global Comp.	EK Complie	16QAM	12	0	2	21.44
	(R)	attestation of C.		12	6	2	21.27
	60			12	11	2	21.37
			lin:	25	0	2	21.35
	litie		The Compliance	The Compile	0	0	22.97
	The Management	® ##		Manage Lation of 1	12	0	22.58
	F of Global Co	Altesta		1	24	0	22.93
	The state of the s		QPSK	12	0	1 💉	21.58
				12	6	® A Ton of Globs	21.87
	\	A 1000		12	11	Atte 1	21.94
5MHz	20175	1732.5	Attestation of	25	0	1	21.92
SIVITZ	20175	1732.5		1	0	1	22.32
				1 100	12	1 1	22.41
				Tompliano	24	1 8	22.52
	KET Ullance	亚杨	16QAM	12	0	2	21.12
	* Clopar Cour.	The Lation of Global		12	6	2	21.17
	a.C	Allesto		12	11	2	21.08
				25	1 0	2	21.06
		- AM		1 5	0	0	22.45
	斯	Complian		® 13 station of G	12	0	22.03
	® The station of Global	Arre Arre		- C 1"	24	0	22.63
		GU	QPSK	12	0	1	21.54
				12	6	1 1	21.39
	- 311	45.		12	411	® A station of C	21.37
	20375	1752.5	0 年 等 3	25	A Trees of the Control of the Contro	C 1	21.44
	20010	1732.3	Altestant	10	0	1	21.52
	- GU				12	170	21.30
				1 , 1	24	The sold of	21.55
	litte		16QAM	12	0	2	20.44
	The Compliance	® \$\frac{4}{2}\cdots		12	6	2	20.49
	Jion of Global O	AC 3410 ST		12	11	2	20.52
	3 120			25	0	2	20.56

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
-1111	- and		The Compile	TA Complian	0	0	23.54
	Kir pilance	® 5		E dallon of City	(6)7	0	23.15
	Glopal Col			1	14	0	23.31
			QPSK	- 8	0	1 :50	23.09
				8	4	The Compliance	23.15
		ATTEN SERVICE		8	7 🦠	tation of Glo	22.22
	19965	1711.5	Allestan	15	0	1	22.28
	19905	1711.5		1	0	1	22.61
	J			1	7	. 1	22.54
	liji:	-5		1 1	14	1 4	22.49
	The Compilance	不 格	16QAM	8	0	2	21.17
	of Global	Front Global Co		8	4	2	22.27
	-C1	life statio		8	7	2	21.35
				15	0	2	21.33
			4/21 -00°	1 版	0	in of Global O	23.21
	ALL THE	7		a A Jobal	7	0	23.12
	The Assempliant	® Allesta		Allesta 1	14	0	23.02
	on of Giv		QPSK	8	0	1	22.98
				<u> </u>	4	1 = 5	22.54
		11172		8	7	(B) Station of	21.91
3MHz	20175	1732.5	® A alion of Glob	15	0	9 1	21.92
SIVITIZ	20175	00 1732.5	Attes	69	0	1	22.25
	Alfestalla			1	7	and 1	22.19
				1 Juliance	14	hpliance 1	22.30
	- :100	43	16QAM	8	(S	2	20.85
	The Compliance	I IN Global Co		8	4	2	21.03
	Glove	Artestation of		8	7	2	21.06
	-60			15	0	2	20.99
		-dil	litt:	1	0	O Tomphan	22.57
	7. 1	ET Dilance		1 4	300d 7 ® 4	o O	22.18
	a F of Global	© 25		1 Milestan	14	0	22.71
	Attestation	CC N	QPSK	8	0	1	22.63
				8	4	1	21.37
				8	7 That com	1 4	21.56
	20385	1753.5	lance .	15	0	1 Milestallo	21.36
	© 20300 ©	1755.5	® ## station	1	0	1	22.00
	-0	Altestation		1	7	1	22.25
	100			1	14	The Compliance	22.19
			16QAM	8	0 0	2	20.49
	ALL FILL			8	4	2	20.57
	E TY Veryplan	(B) Alles		8	7	2	20.59
	Milon of Gre			15	0	2	20.50

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- FILL	. TIM	(R) The	F 101 Global	- F 1001	0	0	23.47
	K KEL compilance	Alles		attestation 1	2	0	23.54
	Clore	0		1	5	0	23.33
			QPSK	3	0	0	23.11
		-1111		3	bal Compilar 1	0	23.09
	·	EL Traisance		3	2	0	23.31
	19957	1710.7		6	0	1	22.30
	19957	1710.7		1	0	1	23.17
	G			1	2	1	23.08
	THE THE	15		Manual 1	5	® 1	23.17
	Clobal Compile	EK Compli	16QAM	3	0	1	22.44
	8 4	Hestallon of G		3	1	1	22.28
	CO			3	2		22.35
				6	0	2	21.27
	litie		The Compliance	The Compiler	0	0	23.11
	The Williams	® ##		S Station 1	2	0	23.06
	ou of Glopal Co	Allesto		1	5	0	23.00
Attests on C	9	QPSK	3	0	0	22.48	
		1732.5		3	CK 1 100°	® 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.65
				3	A Clobal 2	0	22.94
1.4MHz	20175		R) Attestation of	6	0	1	21.93
1.4₩ΠΖ	20175			1	0	1	22.78
				1 700	2	1	22.54
	- Til		16QAM	TK 1 Compliance	5	1 @	22.82
	KET Mance	承		3	0	1	22.25
	Clopal Court	The stop of Global		3	1	1	22.19
	a. C	Altesta		3	2	1	22.63
				6	0	2	21.48
		100	KET Williams	11	O Company	0	22.51
	环	Compliano		1 grand	2	0	22.46
	® # of Glov	(S) AN		C1 "	5	0	22.86
	J Am	GU	QPSK	3	0	0	22.03
				3	1、检	ance O	21.95
		<i>ম</i> রি.		3	2	0	22.04
	20393	1754.3	0 = 4	300 de C	0	- 1	21.03
	20090	1734.3	Alle statio	10	0	1	22.16
	100			1	2	1 1	22.35
				1 ,	5	E In I was	22.75
	lin:		16QAM	3	0	ulion of 1	21.48
	TK Kampilance	S The state of the	To Go HVI	3	(1)	1(0)	21.64
	For of Global Co	Alles		3	2	1	21.86
				6	0	2	20.56

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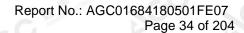


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LTE Band 5

Ano				litte:	0 4	F Global	(S) (Global Con.
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
® 5 300°	of Glov		-60	1	0	0	23.35
Altesta				<u>- 100</u> 1	24	0	23.25
			5	King Indiana 1	49	The Compilar	23.20
W. All) 	- 700	QPSK	25	o 0 e 4	Tion of Glo	23.00
EV Me Complia	£K.	Compliance	Attestation.	25	12	1	23.18
ation of Globa	@ # Glob	~ C		25	25	1	23.12
Hest	20450	000		50	0	1	22.26
< G)	20450	829		1	0.	° 1	23.24
	100	4	Till.	M. July	24	@ 1 ₂ F	22.84
	The Compliance	下 极	ance	Mal Company 1	49	1 Alleste	22.99
® ## ##	n of Globai	T Global C	16QAM	25	0	2	22.48
Attestall		Altestation	Attests	25	12	2	22.53
	-60			25	25	2	22.50
			litte	50	0	2	21.33
	- 1		To Wil national	1.K a complicati	0	0	23.17
-700	45 JIII		3 V Clopal Co	® 4 10 1	24	0	23.10
mpliance	E EN Complier	(R) Alteste	lou o.	Alles 1	49	0	23.14
© \$	ition of Gib		QPSK	25	0	1	23.00
-G				25	12	1 3/2	23.13
				25	25	® #1 alation of cits	23.07
		THE THE	· ·	50	0	C 1	23.28
10MHz	20525	836.5	The station of the st	1	0	1	23.71
of Global Co	® A silon of	300	G .	(1)	24	1	23.58
astation	Altesu			1	49	30 1	23.83
			16QAM	25	0 1	2	23.11
	-1117		10 G, W	25	12	2	23.31
	Kil poliance	不	impliance ®	25	25	2	23.26
#	* Clopal Cou.,	The state of Global	a.C	50	0	2	22.20
(B) Milestation	0,	Allertain		1	0	0	23.98
		/		1	24	0	23.77
		711	MIE	1 <	49	0	23.74
		Et June	QPSK	25	0	1	23.98
	是形	Coup.	GI OIL	25	12	1	23.87
Compilano	® Managed allow of Grand		estation.	25	25	1	24.06
	Ame	60		50	0	1 1	23.08
	20600	844		1	0	nc ance 1	23.74
			1117		24	Market State of the State of th	23.16
	ggl.	不恒	Highce	Clothel Condition	49	4. C1	23.16
派 模型	ance	The of Global Co.	16QAM	25	0	2	23.23
The of Global C		Altestation	IOQAM				
Attestation	- GU			25	12	2	23.00
			litte-	25	25	2	23.07
			The Alley	50	0	2	22.24

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
F. 700	in the same of the	@ #. E	of Global	# March	0	0	23.25
	EK Compliance	Allesta		estatus 1	12	0	23.01
	A Glops,	60		1	24	0	23.21
			QPSK	12	1 0	11 - 1100 m	22.52
		711		12	6 e	3/ Cholad T	22.49
	0	Figures Aliance		[®] 12	11	1	22.28
	00.405	000 5		25	0	1	22.24
	20425	826.5		1	0	1	22.68
				1	12	1 1	22.03
	4/3L 3/11/	THE 50		授 jight 1	24	(S) All Jalion of Gr	22.77
	*Klobal Compile	The Assertation	16QAM	12	0	2	22.27
	(R) 4	Mestation of Gib		12	6	2	21.94
	CO			12	11	2	21.33
				25	0 /	2	21.11
	-all		The Compliance	3/1 pal Compliant	O allegator	0	22.13
	The Handlerice	8 # F		Market 1	12	0	22.11
	F of Global Co.	Allesian		1	24	0	22.78
	Silon.		QPSK	12	0	1 🔊	23.11
				12	6	(8) A Ton of Globa	23.10
	,	THE THE		12	11	Attes 1	23.27
5MHz	20525	026 E		25	0	1	23.20
SIVITZ	20525	836.5		1	0	1	23.05
	0 "			1 30	12	1	22.98
	- 11			The Tompliance	24	1 8 4	22.60
	KET Ollance	私	16QAM	12	0	2	22.58
	Relopat Court	The cation of Global		12	6	2	22.47
	a.C	Attesta		12	11	2	22.48
				25	1 0	2	22.18
				1 5	a Compilar O	0	22.32
	Tr.	Compliano		® 1 station of C	12	0	22.18
	® Station of Glob	(R) Alle		- C 1	24	0	22.64
	Pill	CO	QPSK	12	0	1	22.84
				12	6	1 1	22.69
	all	极		12	等11	® A station of C	23.01
	20625	846.5	0 = 3	25	0	G 1	23.13
	20023	070.0		10	0	1	23.09
	- GU			1	12	1711	22.49
				1 , 1	24	The corp	22.42
			16QAM	12	O Milestatio	2	22.52
	The Compliance	® ##		12	6	2	22.34
	Sion of Global	Artieste		12	11	2	22.16
				25	0	2	22.32

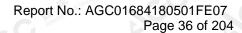
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
E AM	III.	(R) The	Fin of Global	F 3/100	0	0	23.44
	Kil Compilance	Alles		attestation 1	7	0	22.69
	Clon			1	14	0	23.30
			QPSK	8	10	1/3 /1000	22.02
		-1111		8	4	# 3/101 Com	22.00
	·	The lance		8	7	station 1	22.22
	20445	005.5	G "	15	0	1	22.26
	20415	825.5		1	0	1	22.62
				1	7.	1 _	22.43
	45 TILL	W 3		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14	® 1 station	22.46
	Elopal Compine	EK A Compil	16QAM	8	0	2	22.15
	® 4	itestation of Give		8	4	2	21.54
	CO			8	7	2	21.39
				15	0	2	21.32
	-till		The Killiance	1h domina	0	0	22.22
	KEL THE	® ##		a factor 1	7	0	21.98
	3.N Clopal Co.	Allesta		1	14	0	21.96
	011		QPSK	8	0	1 🔬	22.36
				8	4	® A Fraid	22.18
		A TIME		8	of Global 7	1	22.20
	20525	000 5		15	0	1	21.26
3MHz	20525	836.5	0 4	01	0	1	21.80
				1 👊	7	1 1	21.16
				Th 1 Compliance	14	1 (22.50
	KE JAMES	不相	16QAM	8	0	2	22.52
	Clopal Comp	The state of Global C.		8	4	2	22.46
	- C	Artestalla		8	7	2	22.37
	100	1		15	0	2	22.22
		- All	AST WALL	1	Mari Compile O	0	24.23
	玉	Compliance		4 galanor of	7	Tooladion 0	23.12
	® Figure of Globs	® %		~C1	14	0	23.61
	Alles	60	QPSK	8	0	1	23.00
				8	4	pance 1	23.01
		al Z		8	77 Soloal	1 % Anto	23.09
	20625	047.5		15	0	- C1 F	23.10
	20635	847.5	Atte station	1.0	0	1	24.08
	- C.O	~		1	7	1 7	23.56
				1 , 1	14	E The Tompur	23.40
	line		16QAM	8	0	2	22.01
	AST MINISTOR	® ##		8	4	2	22.11
	F of Global Coll.	Alles		8	7	2	22.17
	stion,			15	0	2	22.09

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
	LITTE A.	(R) #64	on of Global	F 1001	0	0	23.35
	K KEL Compliance	Allos de		Attestano 1	2	0	23.01
	Glove			1	5	0	23.20
			QPSK	3	0	0	23.00
		lin-		3	hal Compiler 1	0	23.09
	·	E The		3	2	0	23.12
	20407	824.7		6	0	1	22.26
	20407	024.7		1	0	1	22.24
				1	2	° 1	22.48
	KE THE	***		1 Manual Translation	5	® 1 talion of	22.99
	Clobal Compile	The Man Comple	16QAM	3	0	1	22.05
	© 4	itestation of Gr		3	1	1	22.17
	CO	_ C		3	2	1 1	22.50
				6	0	2	21.33
	-rill		TK Kingliance	The Complex	0	0	21.37
	Kit phonos	® ##		Manager 1	2	0	21.55
	3.V Com	Altesto		1	5	0	22.00
CC MANAGEMENT	011		QPSK	3	0	0	22.21
				3	The face	(S = 0 = 1)	22.07
				3 4	2	0	23.28
	00505	000.5		6	0	1	23.15
1.4MHz	20525	836.5		1	0	1	23.71
	G Alle			1 :11	2	1	23.19
				TK 1 Compliance	5	1	23.83
	16 July 2000	人相	16QAM	3	0	1.0	23.58
	Y Combine	F Global C		3	1	1	23.14
		Atte station		3	2	1	23.26
				6	0	2	22.20
		- <u>IIII</u> -	ALL SALES	1	O Compile	0	23.98
	动	Compliance		9# Jahon	2	0	23.85
	® Atlan of Globa	® %		<u>C1</u>	5	0	23.74
	Alleste	C.O "	QPSK	3	0	0	22.36
				3	1. 橙	arce O	22.18
		. 15		3	2	0	22.06
	M nce	The Kill		6	0	- (1	23.08
	20643	848.3	Altestation C	1.0	0	1	23.74
	a.C	Allo		1	2	1	23.45
	10			1 .	5	1 1	23.23
			16QAM	3	0	1	23.00
	THE MARCO	0 #	A of Global Co.	3		1 (1)	22.94
	F Global Comp.	Attest		3	2	1	23.07
	Jijon o.	6		6	0	2	22.24

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LTE Band 7

1000				lug:		F of Global Co.	F Global Com
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
@ ## #J	Glops.		. 60	1	0	0	22.74
Attestatio				:111 1	49	0 🐀	21.23
				The Indiance 1	99	0	21.74
	LID:	QPSK	50	0 0	Timor Globe 1	21.33	
EK Complian	20850	Ompliance	Attestation	50	25	1	21.42
ion of Global		~ Ca		50	49	1	22.25
stan		0540		100	0	1	3 22.11
		2510		1	0	· 1	22.18
	-7711	litte:	4	A 1 1	49	@ 1 F 01 G10	21.00
	TK KEL nullance	KEL WELL	· 1	Complied 1	99	1-1-1-1	21.10
	The of Global Co.	16QAM	50	0	2	22.22	
	lestation	Allesta	50	25	2	21.26	
			50	49	2	22.23	
		TITE:	100	0	2	21.10	
			T Kil milance	1 Compliance	0	0	22.95
-1111	75	4	* Clopal Court	# 5 1°°°	49	0	22.19
liance	The Complian	(B) Mestation	010,	Allee 1	99	0	22.33
GC A	0	QPSK	50	0	1	21.45	
			50	25	1, 1	22.39	
		1	50	49	® A Tonor Com	22.20	
001411	04400	10 OF OF	E FA	100	0	1	21.19
20MHz	21100	2535		1 Allestan	0	1	22.92
of Global Co	® # jation of Gif			1	49	1	22.89
ation	Allesto			1	99	<u>all</u> 1	22.45
			16QAM	50	0	2	22.11
	11117:	. 17	0 4	50	25	2	22.06
	K Kinglande	北		50	49	2	22.09
- 4	Glopal Co.	The salion of Globe	-C	100	0	2	21.96
Attestation	- 0	Attes		1	0	0	22.55
				1	49	0	22.49
		litie	TILL THE	1	99	0	22.36
	· W	I pollance	QPSK	50	0 8	tation of Con 1	22.29
37 - 1000 - 1000	F Global	OI'''	ion of Globar	50	25	1	21.64
C. C. Salaran	(B) Attestation of	Alles		50	49	1	21.74
	0500		100	0	1	21.82	
	21350	2560		1	0.	° 1 , 1	21.88
TA TO TO		T		15 m 1	49	@ 4 monore	21.93
J. 54	<u>M</u>	The Complete	22 5	Model Comment	99	. (1	21.73
FV Vistonial	© A	E Globa	16QAM	50	0	2	22.61
ation of Globa		Attestati		50	25	2	22.06
Atteste			7	50	49	2	22.27
			liji:	100	0	2	21.99

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FI Complian	C	Attestu	Allestand			lline	a h
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
A	*N Com	a.C) *	- C	Ames 1	0	0	22.34
® Mestation				1	37	0	22.22
				* TIMES 1	74	0	22.16
		-7/1	QPSK	36	0	3. Global Co.	21.99
下 校	08	Files	© Managed Color	36	16	1_ (21.84
- F Global Colla	THE TANK	Tomb.	C Attes	36	35	1	21.64
Allestation	20825	2507.5		75	0	1	22.06
	20023	2307.3		1	0	1	22.10
	-1111			:iii) 1	37	1 31	22.02
	Kil poliance	校 判	51	Management 1 (8)	74	® \$1 tion of	21.52
4	* Glopal Coll.,	FA Global Company	16QAM	36	0	2	21.33
(B) Milestalic	8 4	inestation of C	Attestation	36	16	2	21.49
	7. C	. (36	35	2	22.10
				75	0	2	22.31
			WE JULY	1 1 Mance	0_ %	100pg 0 6	22.56
litte:		12	Ellopal Comp.	The Modern	37	0	22.44
Impliance	The alcompliant	® ## stall	, colo	Mestation 1	74	0	22.66
® ##	ion of Glove		QPSK	36	0	1	22.25
Attest				36	16	1, 10	22.18
G			3	36	35	A Globar	22.17
15MHz	21100	2535	不	75	0	Attestant	22.09
TOWN 12 Partitions	3	K Complies	® station of G	1 Mestation of	0	1	21.88
F of Global Co.	® # Jalion of	3)	5		37	1	21.74
ttestation	Attesto			1	74	1	22.03
			16QAM	36	0	2	21.88
	litte:	V.	:MI)	36	16	2 4	22.01
	The Manager	The Will	oliano ® 4	36	35	2	22.33
- 4	Anpalco.	Globe Globe	- C	75	0	2	21.66
Altestation	- C	Attestu		1	0	0	22.23
				1	37	0	22.28
		-1111	ODCK	1	74	0	22.16
	1	131 mailance	QPSK	36	0	n of Gioba 1	21.33
杨子	OF THE STORY	® 🥌	ation of Globa	36	16	1	21.34
pal Comp.	Attestation	- C		36	35	1 1	21.43
- 61	21375	2562.5		75	0	11	22.25
				1 1	0	1	22.09
	all	2/7		1 1	37	14 (30)	22.14
War.	auce Mil	The Complete	160414	1	74	1	21.83
The Lobal Comp	@	Alation of Gloud	16QAM	36	0	2	22.13
The station of Great	-C	Attes		36	16	2	22.14 22.16
Alle				36	35		22.16
			llitz	75	0	2	22.23

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F. Compile		Attes	Altesta			-511	de
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
Marie Salar	- F	(S) Fig.	in of Globs	Far Girban 1	0	0	22.42
A Compilar	Compliance	Attesta		lestamen 1	24	0	22.37
® ## 150 16	llopa.	60	60	1	49	0	22.43
Attestall			QPSK	3 25	0	1	21.79
				25	12	The Control	22.03
		LITT:	a F of Globs	25	25	of Glob 1	21.94
EV KET Compliance	00000	OF OF	Attestation	50	0	1	22.03
A ston of Globa,	20800	2505		U 1	0	1	22.01
Attesta	Attestation.			1	24	1	21.98
- GY				1	49	1	21.45
	litte:	in:	16QAM	25	0	2	21.37
5	K Compliance	To the point	。 玉木	25	12	2	21.44
R F S	Glopal	Clopal Co.	® A alion of GI	25	25	2	22.03
Altestalic		Hestation C.	Allesta	50	0	2	22.41
10MHz				1	0	0	22.25
			-711	1. 7	24	0	22.00
			- KEL JIMA	511 Compliance	49	0	21.46
TIII)	AND SAID	14	QPSK	25	0	. 1	22.11
Impliance	Fly Signaliano	® A State	GI OIL O	25	12	1	22.10
(B) (Glopan		- GU	25	25	1 12	22.34	
Allest	Alfestida			50	0	13/	22.16
	21100	2535	14	1 1	0	# 1111 of the state of the stat	21.77
-till		TILL .	天	1 7 3	24	1	21.86
Wil plans	500	Compliance	® Talion of Gib	1	49	1	21.69
Global Con"	® # Ford	Joan Comments of the Comments	16QAM	25	0	2	21.13
itestation of	Allestano		TOQAIVI	25	12	2	21.52
				25	25	2	21.49
	di				3/10	VSV -7998	100°
	ALL THE		iance O g	50	0	2	21.55
TI TI	obal Compile	F of Global Co.	- 6	sestation 1	0	0	21.67
® Station of Co	(6)	Attestation		1	24	0	21.59
-G	C10			1	49	0	21.58
			QPSK	25	0	Manage .	22.20
		TIME S	KEL ollance	25	12	" Global C	22.64
litte:	五	omplian	* Glopal Com	25	25	1	22.49
(Compliance	21400	2565	ation of	50	0	1	22.51
Deal Control	Alles	2500		1	0	1	22.13
				1	24	1	22.61
			3 \	1	49	1,2 3/	22.82
-111		极	16QAM	25	0	2	22.15
Kar and	je	The Chopal Comp.	R F OIG	25	12	2	22.16
JA Global Conti	® 4	testation of C	Alfostation	25	25	2	22.23
The station of	C	- (50	0	2	21.58





BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
litra	- 13		* The Complian	The Troplan	0	0	21.76
	THE JUNE	® ## 12		Ton of Given 1	12	0	21.85
	Clopal Comp.	C AME		1	24	0	21.69
			QPSK	12	0	1:11	21.78
				12	6	The Compliance	21.40
	\ -⊗	III)		12	13	not Global 1	21.44
	00775	0500.5		25	O Allow	1	22.39
	20775	2502.5		1 3	0	1	22.43
	Alles			1	12	1	22.28
	litte	-01		5JU 1	24	1 3 M	22.42
	Kir Milance	校 神	16QAM	12	0	2	21.94
	of Global Co	A of Clopal Con.		12	6	2	21.69
		ttestation .		12	13	2	22.45
				25	0	2	22.11
			1111	_116	0	30000 O ®	21.56
	1111	20		_ F That com	12	0	21.59
	The Compliance	® Statio		Allestante 1	24	0	21.69
	ion of Globa	-C Alle	QPSK	12	0	1 ,	21.58
				12	6	1 7	22.43
		-711		12	13	8) ## ala 1 n or	22.37
	04400	10000 m		25	0	1	22.46
5MHz	21100	2535	Alles	2 C 1	0	1	21.69
	Artestation			1	12	1	22.52
				44 - 1995	24	° 1	21.67
	-100	, 57 ₄	16QAM	12	0	2	22.03
	K. Compliance	The Mile		12	6	2	21.56
	A Global C	The station of Gib		12	13	2	21.69
	CO	bro.		25	0	2 :	21.44
			IIITE	1	0	0	21.65
	1	EL allance		1 4 300	12	on of Globa O	21.58
	The Chopal	Some ®		1 Hestalia	24	0	22.36
	Altestation of	C Miles	QPSK	12	0	1	22.43
	3			12	6	1	22.38
				12	13	1 7	21.46
	24.405	2567.5		25	O O	Testallon of	21.69
	21425	2567.5	® # dalion of G	1-0	0	1	22.11
	- 6	Attestation		1	12	1	21.96
	100	36		1	24	Ch Kin lence	21.58
			16QAM	12	0_3	(Colored 2 ®	21.44
	III.	22		12	6	2	22.36
	The Compliance	® ## state		12	13	2	22.49
	ation of Globa			25	0	2	22.44

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LTE Band 25

addition of				LTE Band 25		Kil hijance	T Diance
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
Court.	The Complian	Allest		Attestatu 1	0	0	22.65
	Glope		- 60	1	49	0	22.45
				30 1	99	0	22.64
			QPSK	50	0	Th 1 Complian	20.11
) ->	-300	图 弄 等 。	50	25 0 4	Tron of GIV	20.49
	Th.	Compilance	Attestation	50	49	1	20.57
	204.40	10000		100	0	1	20.57
	26140	1860.0		1	0	1	22.31
				.1	49	1 s	22.45
	Mile of	-70	A	7/3	99	@1 F. O.	22.39
	The Compliance	EK KEL	16QAM	50	0	2	20.41
	of Glops,	T of Global O	® Atalian	50	25	2	20.23
		Alle Station	Alless.	50	49	2	20.63
				100	0	2	20.50
			7111	1 2 1	0	0	22.94
			The Manufacture	15h Comp	49	0	22.45
		0 = 3	of Global Co.	© % 1011	99	0	22.76
		Allestati	QPSK	50	0	1	21.65
				50	25	1	21.46
				<u>50</u>	49	1 3	21.43
001411	00005	4000 5		100	T. 0	® #1 station or a	21.54
20MHz	26365	1882.5	# 3/A	10 4	0	G 1	21.26
	7	psi Combile	(C) Allestation (C)	1 Alless	49	1	21.06
	® Atalian of C			XO1	99	1	21.00
	G Atte		16QAM	50	0	2	20.45
				50	25 🔨	2	20.37
	LIME:	s.Es	-All	50	49	2	20.32
	The Manager	一 环 流	Pliate	100	0	2	20.57
	(Glops) (S	The station of Only		1. (5)	0	0	22.43
	-0	Attes		1	49	0	22.25
		1		1	99	0	22.91
		11102	QPSK	50	0	3 Joal Consult	21.49
	1	The state of the s	The Compliance	50	25	station of 1	21.55
	OF FOR	® Æ	Silon of Globa	50	49	1	21.52
	00500	4005.0	5W	100	0	1	21.59
	26590 1905.0	1905.0		1	0	3111 1	21.11
				-1	49	pliano 1	21.05
)(I)	- 极 1°	99	9 th dation of	21.85
	1000 M	The Comp	16QAM	50	0		20.58
	®	Ation of Globe	® ## statio	50	25	2 2	20.46
	- C	Attesto	- 0	50	49	2	20.49
				100	0	2	20.57

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El Compil		Attes	Altestan			-all	Andrew
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- FILE	LUZ:		of Global C	# 10 10 al CO	0	0	22.87
Compliance	K Manphance	(C) Market	ion (6)	ttestation of	37	0	22.45
0 4	Global Co		1	74	0	22.76	
Altestation			QPSK	36	0	1 :11	20.25
				36	18	The Impliance	20.33
in:			# 3	36	38	4.1	20.61
TK KE TOTALIST	00115		® Mestation of	75	0	itestatum 1	20.60
The Global C	26115	1857.5		_(C1)	0	1	22.27
Attestation	Attestation C			1	37	. 1	22.15
	1			1	74	⁷⁸ 1	22.33
	11172		16QAM	36	0	2	20.58
	The State of the S	10000000000000000000000000000000000000	Ø 1	36	18	2	20.47
- 4		Elopal Comp.	(C) (B) (B)	36	38	2	20.64
Attestatio		in station of C	Attestation	75	0	2	20.59
				1	0	0	23.06
				1	37	0	22.59
			45 300	1 K 13 mpila	74	0	22.53
lin:		-	QPSK	36	- 0	1	21.45
(S) A To a Carbon Compliance	® 55 day	not GIGIT OIL	36	18	1	21.47	
	E.G. Alles		36	38	1	21.50	
Alfesta	Allestr			75	0	1 1	21.68
15MHz	26365	1882.5		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	® 41 300 of Gal	22.26
-mil		- 300	孙	sal Commission 1 = 3	37	1	22.49
T KE Jiano	ৰ্য	Compliance	® A tation of Glo	1 Allestan	74	1	21.76
F Global Com	® # Foots	Spal	16QAM	36	0	2	20.29
nestation of	Alfestalle			36	18	- 2	20.33
< C				36	38	2	20.53
	711		-1111	75	0	2	20.65
	- Kit allance	II. No	bligger (B)	atation of 1	0	0	22.91
22	Slopal Comp.	The state of Global O.	- C1	1.	37	0	22.54
® station		Attestation.		1	74	0	22.59
	100	1	QPSK	36	0	1	21.58
		and a	:111	36	18	_ 311 comp	21.73
	1631	IST TOURS	The Manager of the Paris	36	38	1	21.65
孤	Complie	F of Global Co.	75	0	1	21.51	
Compliance	26615 1907.5	1907.5	3/sion ~	4	0	1	22.56
000		60		1	37	1	22.51
				1	74	oliance 1	22.41
			16QAM	36	0	2	20.55
-	<u>M</u>	人相	IUQAW	36	18	2	20.49
- KE 1000	ance.	A Stopal Com	® # #	36	38	2	20.49
The Timp							



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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- 1/1/1/	liji:	0 - 4	F of Global	4 1 m	0	0	22.56
	K Kinpliance	Attest	lion	The station of 1	24	0	22.32
C	60	-C	1	49	0	22.54	
		QPSK	25	0	1 :1	20.42	
			25	12	The ampliance	20.18	
	- 700	litte:	7	25	25	<i>3</i> , 1	20.51
	20000	1055.0	Attestation of	50	0	1	20.73
	26090	1855.0	5.0	C 1	0	1	22.20
	Attestation			1	24	1	22.08
				1	49	¹¹²³ 1	22.23
GO Martin Land Martin M	77	16QAM	25	0	2	20.44	
	1000000	CS	25	12	2	20.18	
	Global Con.	® # Jion	25	25	2	20.65	
	Attestation C.	Allestan	50	0	2	20.66	
			1	0	0	22.81	
		-7111	1 1	24	0	22.36	
		KET Plance	15 Karpila	49	Jun of O	22.54	
	4	QPSK	25	0	1	21.43	
	R Attestati	an of	25	12	1	21.34	
		- G	25	25	1	21.56	
AONALI-	00005	4000 5		50	0	1 3	21.55
10MHz	26365	1882.5	16QAM	KL Janes 1	0	® #1 Francisco	22.05
		1111		alcom 1 a s	24	1	21.88
	· 1	A Compilario		Attestan	49	1	21.85
	® # Jallon of G	903.		25	0	2	20.45
	Allesto			25	12	2	20.33
				25	25	2	20.49
	litte	. 12	-11/11/	50	0	2	20.56
	K Hampilance	· 大	ibitar. ®	Manager 1	0	0	22.81
	(Clopal Co	The valion of Globar	c.C	1 (24	0	22.77
		Attesta		1	49	0	22.52
			QPSK	25	0	1	21.59
		-1111	(III):	25	12	31 Dal Compile	21.66
	3	EL phance	Th Compliance	25	25 @	and all on of	21.62
	26640	1010.0	Jon of Global	50	0	1	21.63
26640	1910.0	500-	64	0	1	22.48	
	1	0		1	24	- 1	22.25
				1	49	1	22.13
			16QAM	25	0	2	20.35
	<u> </u>	El Kelmo	ance	25	12	2	20.33
	(B)	Fign of Global	® ## Spinior	25	25	2	20.51
		Attestation	- CI AIII	50	0	2	20.58



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* 1 1 00m		Atte	Allesto			- Ilian	- A
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- F	LUE:	6 5.	F of Global	J. Joseph Co.	0	0	22.88
		Allest	gion &	Mestalion 1	12	0	22.63
		6		1	24	0	22.81
		QPSK	12	0	1 31	20.48	
		- JUL		12	6	IK 1 12 mplance	20.33
	\$			12	13	F OF	20.57
	00005	4050.5	Attestation of	25	0	1	20.64
	26065	1852.5		_ 1	0	1	22.02
	Attestation			1	12	. 1	22.06
				1	24	1 1 m	22.04
	Mir.	~	16QAM	12	0 1	2	20.19
The Compliance	在植	V _C s	12	6	2	20.18	
	S A The state of t	Global Comp	© Austrion	12	13	2	20.65
		Attestation of		25	0	2	20.75
				1	0	0	22.59
			-Till	1	12	3/ 0	22.49
			Kg Jim	1216 10	24	Mon of Garage	22.39
	III	2	QPSK	12	0	1	21.33
		® 337 state		12	6	1	21.39
® on of Global		- 6	12	13	1	21.56	
Altest				25	0	1 36	21.61
5MHz	26365	1882.5	1882.5 16QAM	131 THE TOTAL THE PARTY OF THE	0	® # " of Gill	22.11
		in the		toal Committee 1	12	1	21.55
	1	Compliance		1 Allesti	24	1	21.94
	® # Honor	opa		12	0	2	21.59
	Altestation		, , , , , , , , , , , , , , , , , , , ,	12	6	: 2	20.74
				12	13	2	20.76
	-711		-311/1	25	O dona	2	20.59
	Kil niance	不是	ubliance ®	\$ tation of 1	0	0	22.42
	Clopal Count	The Global C	- C	1. (12	0	22.25
		Attestation		1	24	0	22.24
	100		QPSK	12	0	1.	21.59
		all.	(11):	12	6	TI Compliance	21.33
		187 2000	K Kingland	12 💸	13	a sion of T	21.58
	26665 1912.5	Combin	F of Global Co.	25	0	1	21.57
		Station	1	0	1	22.19	
	Allo	IGC "		1	12	1	22.26
				1	24	collance 1	22.15
	,		16QAM	12	0	2	20.77
		极		12	6	2	20.79
() 1000	1_00	3.W. Com	130				
	Buc	- Globa	(B) 45	12	13	2	20.86



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Fly Company		Attes	Allesto			lim	da.
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- F	LITE:	(a)	F of Global C	Jobal Co.	0	0	22.64
	SE S	Alles	ation &	Mestalion 1	7	0	22.35
			1	14	0	22.62	
			QPSK	- 8	0	1 31	20.31
			3	8	4	IK 1 12 mplance	20.22
				3000d 8	Jobal Com 7	\$. T	20.19
	00055	1054.5	(B) Markes tallon O.	15	0	1 1	20.55
	26055	1851.5		2. C1	0	1	22.52
	Attestation 4			1	7	. 1	22.49
				1	14	1 1 m	22.36
	litte:	- (11):	16QAM	8	0 EA COM	2	21.39
	S. A. T. S.	Kar of	VCs.	8	4	2	21.55
		® 184 137	8	7	2	22.08	
		Mestation of	Attestation	15	0	2	22.19
				1	0	0	22.72
			模劃	1	7	3h 0	22.25
				1. K 19 mg	14	Mon of Gar	22.44
	五 拉 河	2	QPSK	8	0	1	21.28
		® 350 sto	onof	8	4	1	21.43
(B) All Clobal	C Am	- 6	8	7	1	21.53	
Altest				15	0.\\	1 36	21.54
3MHz	26365	1882.5		1 The state of the	0	® # Jon of Give	21.88
		litte of	16QAM	toal Committee 1	7	1	21.54
	1	Compliance		1 Allest	14	1	21.79
	® # ion of C	903.		8	0	2	20.25
	Altestati		, , , , , , , , ,	8	4	2	20.31
				8	7	2	20.63
			LITTE:	15	0	2	20.46
	A ST allance	私情	npliare @	A Jation of 1	0	0	22.66
	W Count	F Global C	- C	1. (7	0	22.39
		Attestation		1	14	0	22.78
	- GV		QPSK	8	0	1.	21.37
		and a	Alti:		4	TIT COMPILECE	21.43
		11 TILL	The Hampian	8	7 8	Torol 1	21.64
	The Compile	Combin	The Chopal Co.	15	0	1	21.67
	26675	26675 1913.5	Station	1	0	1	22.19
	Allo			1	7	1	22.43
				1	14	oliance 1	22.04
	,		16QAM	8	0	2	20.41
		不怕	and Court (IV)	8	4	2	20.36
	^{3uce}	F of Global Co.	® ## 31	8	7	2	20.66
		Station Station	Altesta	15	0	2	20.65



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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
III	-3711	0 5	F of Global C	Jour Co.	0	0	22.84
	The Compliance	Attest		The station of	3	0	22.77
	Global Collin			1	5	0	22.82
			QPSK	3	0	1 :11	22.57
				3	2	Kil hijana	22.83
		11111:		3	3	F (100)	22.78
	000.47	1050 7		6	0	Allestaum 1	22.65
	26047	1850.7		a.C1	0	1	22.05
	Attestation C			0 1	3	. 1	21.89
	1			1	5	-7 ¹⁰ 1	21.97
	111172	-0	16QAM	3	0	2_%	21.57
	King The Control of t	极了	UCo	3	2	2	21.69
	J. Glopal Co.	The Global Come		3	3	2	21.76
	® 4	Hestation of		6	0	2	21.73
	60			1	0	0	22.49
				1	3	- 1 O	22.35
				1xx 102	5 %	0	22.46
The state of the s	-	QPSK	3	0	1	22.28	
	® And state	on of Gall Oil	3	2	1	22.39	
	and Aller		3	3	1	22.43	
				6	0	1 3	21.54
1.4MHz	26365	1882.5		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	® 4 Monor Gro	22.09
		litte:		oal Convi	3	C 1	22.33
	হা	Compliance		1 Allesto	5	1	22.27
	® # Fnote	obal	16QAM	3	0	2	21.32
	Altestation		1000/1111	3	2	2	21.51
				3	3	2	21.63
	and the same			6	0	2	20.33
	AST TOUR	1 10 m	ubliance ®	1	0	0	22.46
	Me Compile	F of Global Co		1	3	0	22.54
		Attestation		1	5	0	22.46
	-60		QPSK	3	0	1	22.25
			QI OIX			The Compliance	22.33
		31 mos		3	3	St. June 1	22.61
	不	Compilar		6	0	Aller 1	21.50
	26683	1914.3	Station	1	0	1	22.03
	Alles	CO		1	3	1	22.39
				1	3 5	nollance 1	22.47
			160AM	3	0	2	21.55
	<u>M</u>	拉	16QAM	3	2	2	21.58
	ance	F Global Complex		3	3	2	21.78
	®	Se uno		3	3		Z1.10



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According to 3GPP 36.521 sub-clause 6.2.3.3, the maximum output power is allowed to be reduced by following the table.

Table 6.2.3.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Cha	Channel bandwidth / Transmission bandwidth configuration [RB]							
CC ***	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	ties don of Global Committees		
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1		
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1		
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2		

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (For PRACH, PUCCH and SRS transmission, the allowed MPR is according to that specified for PUSCH QPSK modulation for the corresponding transmission bandwidth.).

When PRACH, PUCCH are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

For each subframe, the MPR is evaluated per slot and given by the maximum value taken over the transmission(s) within the slot, the maximum MPR over the two slots is then applied for the entire subframe.

For the UE maximum output power modified by MPR, the power limits specified in subclause 6.2.5.3 apply. The normative reference for this requirement is TS 36.101 clause 6.2.3.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.



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6.2 RADIATED OUTPUT POWER 6.2.1 MEASUREMENT METHOD

The measurements procedures specified in ANSI/TIA-603-E-2016 were applied.

- In an anechoic antenna test chamber, a half-wave dipole antenna for the frequency band of interest is placed at the reference centre of the chamber. An RF Signal source for the frequency band of interest is connected to the dipole with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A known (measured) power (Pin) is applied to the input of the dipole, and the power received (Pr) at the chamber's probe antenna is recorded.
- The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established as ARpl=Pin + 2.15 Pr. The ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the cable loss and the air loss. The measurement results are obtained as described below: Power=PMea+ARpl
- 3 The EUT is substituted for the dipole at the reference centre of the chamber and a scan is performed to obtain the radiation pattern.
- 4 From the radiation pattern, the co-ordinates where the maximum antenna gain occurs are identified.
- 5 The EUT is then put into continuously transmitting mode at its maximum power level.
- 6 Power mode measurements are performed with the receiving antenna placed at the coordinates determined in Step 3 to determine the output power as defined in Rule 27.50(d)(4). The "reference path loss" from Step1 is added to this result.
- 7 This value is EIRP since the measurement is calibrated using a half-wave dipole antenna of known gain (2.15 dBi) and known input power (Pin).
- 8 ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi..

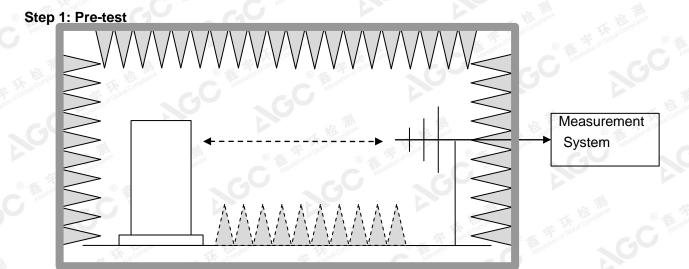
Test Setup

NOTE: Effective radiated power (ERP) refers to the radiation power output of the EUT, assuming all emissions are radiated from half-wave dipole antennas.

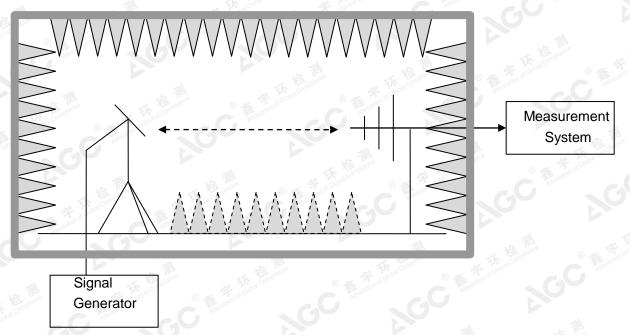
The results spowford this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.ago.go.tt.com.

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Step 2: Substitution method to verify the maximum ERP



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6.2.2 PROVISIONS APPLICABLE

This is the test for the maximum radiated power from the EUT. Rule Part 24.232(c) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p.

Mode	Nominal Peak Power				
LTE Band 2	<=33dBm (2W)				
LTE Band 4	<=30dBm (1W)				
LTE Band 5	<=38.45dBm(7W)				
LTE Band 7	<=33dBm (2W)				
LTE Band 25	<=33dBm (2W)				



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6.2.3 MEASUREMENT RESULT

EIRP for LTE Band 2

			7	mplie	oliano -	The State	7230	ation	WHO ST
Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
1850.7	1.4	QPSK	1/0	12.87	V	7.95	0.79	20.03	33
1880.0	1.4	QPSK	1/0	11.20	KV Compliance	7.95	0.79	18.36	33
1909.3	1.4	QPSK	1/0	11.64	A Comment of Comment o	7.95	0.79	18.80	33
1850.7	1.4	QPSK	1/0	12.17	н	7.95	0.79	19.33	33
1880.0	1.4	QPSK	1/0	10.37	Н	7.95	0.79	17.53	33
1909.3	1.4	QPSK	1/0	11.64	H	7.95	0.79	18.80	33
1850.7	1.4	16-QAM	1/5	11.92	V Allestation	7.95	0.79	19.08	33
1880.0	1.4	16-QAM	1/0	9.81	V	7.95	0.79	16.97	33
1909.3	1.4	16-QAM	1/0	10.47	V	7.95	0.79	17.63	33
1850.7	1.4	16-QAM	1/5	12.19	Kanning H	7.95	0.79	19.35	33
1880.0	1.4	16-QAM	1/0	11.16	H G	7.95	0.79	18.32	33
1909.3	1.4	16-QAM	1/0	9.98	Н	7.95	0.79	17.14	33
1851.5	3	QPSK	1/0	9.92	V	7.95	0.79	17.08	33
1880.0	3	QPSK	1/0	12.92	VA Right Complian	7.95	0.79	20.08	33
1908.5	3 3	QPSK	1/0	12.81	Alles Larion V	7.95	0.79	19.97	33
1851.5	S 3 sullor of Gir	QPSK	1/0	12.23	Н	7.95	0.79	19.39	33
1880.0	3	QPSK	1/0	9.69	₩ H	7.95	0.79	16.85	33
1908.5	3	QPSK	1/0	10.21	Complex H 4	7.95	0.79	17.37	33
1851.5	3	16-QAM	1/0	11.13	V Autostan	7.95	0.79	18.29	33
1880.0	3	16-QAM	1/0	10.69	V	7.95	0.79	17.85	33
1908.5	3	16-QAM	1/0	11.02	V	7.95	0.79	18.18	33
1851.5	3	16-QAM	1/0	11.08	Ha Complian	7.95	0.79	18.24	33
1880.0	3	16-QAM	1/0	11.97	Augstration H	7.95	0.79	19.13	33
1908.5	3	16-QAM	1/0	13.27	Н	7.95	0.79	20.43	33
1852.5	5	QPSK	1/0	13.11	V	7.95	0.79	20.27	33
1880.0	5	QPSK	1/0	12.47	V	7.95	0.79	19.63	33
1907.5	phance 5	QPSK	1/24	13.77	V Autom	7.95	0.79	20.93	33
1852.5	5	QPSK	1/0	13.75	Н	7.95	0.79	20.91	33
1880.0	5	QPSK	1/0	11.79	:jijH	7.95	0.79	18.95	33
1907.5	5	QPSK	1/24	11.81	H Compliance	7.95	0.79	18.97	33
1852.5	5 milliones	16-QAM	1/0	12.06	V	7.95	0.79	19.22	33
1880.0	algrican of Clouds	16-QAM	1/0	12.19	V	7.95	0.79	19.35	33

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1907.5	5	16-QAM	1/24	10.63	V	7.95	0.79	17.79	33
1852.5	5	16-QAM	1/0	10.38	H H	7.95	0.79	17.54	33
1880.0	5	16-QAM	1/0	13.03	70% COU.	7.95	0.79	20.19	33
1907.5	5	16-QAM	1/24	11.08	Н	7.95	0.79	18.24	33
1855	10	QPSK	1/0	11.14	V	7.95	0.79	18.30	33
1880	10	QPSK	1/49	10.87	V	7.95	0.79	18.03	33
1905	10	QPSK	1/0	11.20	The state of V	7.95	0.79	18.36	33
1855	10	QPSK	1/0	11.12	Н	7.95	0.79	18.28	33
1880	10	QPSK	1/49	12.08	Н	7.95	0.79	19.24	33
1905	10	QPSK	1/0	11.72	Н	7.95	0.79	18.88	33
1855	10	16-QAM	1/0	12.55	V	7.95	0.79	19.71	33
1880	10	16-QAM	1/49	11.40	V	7.95	0.79	18.56	33
1905	10	16-QAM	1/0	12.24	V	7.95	0.79	19.40	33
1855	10	16-QAM	1/0	12.80	H THE	7.95	0.79	19.96	33
1880	10	16-QAM	1/49	12.40	H	7.95	0.79	19.56	33
1905	10	16-QAM	1/0	12.37	Н	7.95	0.79	19.53	33
1920	15	QPSK	1/0	11.77	V	7.95	0.79	18.93	33
1950	15	QPSK	1/74	11.46	V	7.95	0.79	18.62	33
1920	15	QPSK	1/0	11.53	V	7.95	0.79	18.69	33
1920	15	QPSK	1/0	12.01	Н	7.95	0.79	19.17	33
1950	15	QPSK	1/74	12.13	:::: H	7.95	0.79	19.29	33
1920	15	QPSK	1/0	11.58	compliance H	7.95	0.79	18.74	33
1920	15	16-QAM	1/0	11.64	V	7.95	0.79	18.80	33
1950	15	16-QAM	1/74	11.58	V	7.95	0.79	18.74	33
1920	15	16-QAM	1/0	12.42	V	7.95	0.79	19.58	33
1920	15	16-QAM	1/0	12.33	H	7.95	0.79	19.49	33
1950	15	16-QAM	1/74	11.37	Attestation of H	7.95	0.79	18.53	33
1920	15	16-QAM	1/0	10.99	Н	7.95	0.79	18.15	33
1930	20	QPSK	1/99	11.41	V	7.95	0.79	18.57	33
1950	20	QPSK	1/99	10.89	V	7.95	0.79	18.05	33
1970	20	QPSK	1/0	10.78	V	7.95	0.79	17.94	33
1930	20	QPSK	1/99	11.12	Н	7.95	0.79	18.28	33
1950	20	QPSK	1/99	11.41	Н	7.95	0.79	18.57	33
1970	20	QPSK	1/0	11.28	The Maria Co	7.95	0.79	18.44	33
1930	20	16-QAM	1/99	11.34	V	7.95	0.79	18.50	33
1950	20	16-QAM	1/99	11.52	V	7.95	0.79	18.68	33

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1970	20	16-QAM	1/0	11.37	V	7.95	0.79	18.53	33
1930	20	16-QAM	1/99	11.39	H	7.95	0.79	18.55	33
1950	20	16-QAM	1/99	11.14	H	7.95	0.79	18.30	33
1970	20	16-QAM	1/0	11.28	Н	7.95	0.79	18.44	33

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EIRP for LTE Band 4

Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
1710.7	1.4	QPSK	1/0	12.80	V	7.95	0.79	19.96	30
1732.5	1.4	QPSK	1/0	12.62	V	7.95	0.79	19.78	30
1754.3	1.4	QPSK	1/0	12.98	Variable	7.95	0.79	20.14	30
1710.7	1.4	QPSK	1/0	12.16	H H	7.95	0.79	19.32	30
1732.5	1.4	QPSK	1/0	11.23	HG	7.95	0.79	18.39	30
1754.3	1.4	QPSK	1/0	10.94	H	7.95	0.79	18.1	30
1710.7	1.4	16-QAM	1/5	11.89	V	7.95	0.79	19.05	30
1732.5	1.4	16-QAM	1/0	13.37	V Anion of	7.95	0.79	20.53	30
1754.3	1.4	16-QAM	1/0	10.68	- CV	7.95	0.79	17.84	30
1710.7	1.4	16-QAM	1/5	10.78	Н	7.95	0.79	17.94	30
1732.5	1.4	16-QAM	1/0	11.40	- H	7.95	0.79	18.56	30
1754.3	1.4	16-QAM	1/0	12.58	Complian H	7.95	0.79	19.74	30
1711.5	3	QPSK	1/0	11.07	V	7.95	0.79	18.23	30
1732.5	3	QPSK	1/0	11.89	V	7.95	0.79	19.05	30
1753.5	3	QPSK	1/0	14.51	V	7.95	0.79	21.67	30
1711.5	3	QPSK	1/0	12.22	Hr Compilar	7.95	0.79	19.38	30
1732.5	3	QPSK	1/0	12.15	% H	7.95	0.79	19.31	30
1753.5	® 3	QPSK	1/0	10.58	Н	7.95	0.79	17.74	30
1711.5	3	16-QAM	1/0	12.18	V	7.95	0.79	19.34	30
1732.5	3	16-QAM	1/0	12.06	Sompliance V	7.95	0.79	19.22	30
1753.5	3	16-QAM	1/0	12.93	V	7.95	0.79	20.09	30
1711.5	3	16-QAM	1/0	12.36	C) H	7.95	0.79	19.52	30
1732.5	3	16-QAM	1/0	15.41	Н	7.95	0.79	22.57	30
1753.5	3	16-QAM	1/0	13.55	H	7.95	0.79	20.71	30
1712.5	5	QPSK	1/0	13.02	V	7.95	0.79	20.18	30
1732.5	5	QPSK	1/0	14.66	V	7.95	0.79	21.82	30
1752.5	5	QPSK	1/24	12.20	V	7.95	0.79	19.36	30
1712.5	5	QPSK	1/0	13.91	Н	7.95	0.79	21.07	30
1732.5	5	QPSK	1/0	11.50	H	7.95	0.79	18.66	30
1752.5	5	QPSK	1/24	11.91	H ALLOS DOUBLE	7.95	0.79	19.07	30
1712.5	5	16-QAM	1/0	12.40	V	7.95	0.79	19.56	30
1732.5	5	16-QAM	1/0	10.49	V	7.95	0.79	17.65	30
1752.5	5	16-QAM	1/24	10.57	N V	7.95	0.79	17.73	30
1712.5	5	16-QAM	1/0	11.46	Slopal Crown	7.95	0.79	18.62	30
1732.5	5	16-QAM	1/0	9.75	H	7.95	0.79	16.91	30
1752.5	station of 5	16-QAM	1/24	12.12	Н	7.95	0.79	19.28	30

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1715	10	QPSK	1/0	13.04	V	7.95	0.79	20.2	30
1732.5	10	QPSK	1/49	10.35	W V	7.95	0.79	17.51	30
1750	10	QPSK	1/0	10.66	Comple	7.95	0.79	17.82	30
1715	10	QPSK	1/0	12.73	Н	7.95	0.79	19.89	30
1732.5	10	QPSK	1/49	12.48	Н	7.95	0.79	19.64	30
1750	10	QPSK	1/0	11.91	H, M	7.95	0.79	19.07	30
1715	10	16-QAM	1/0	12.65	TV Comp	7.95	0.79	19.81	30
1732.5	10	16-QAM	1/49	11.57	Tree de la	7.95	0.79	18.73	30
1750	10	16-QAM	1/0	10.98	V	7.95	0.79	18.14	30
1715	10	16-QAM	1/0	12.13	Н	7.95	0.79	19.29	30
1732.5	10	16-QAM	1/49	12.65	H a	7.95	0.79	19.81	30
1750	10	16-QAM	1/0	13.05	Hauestations	7.95	0.79	20.21	30
1717.5	15	QPSK	1/0	11.63	V	7.95	0.79	18.79	30
1732.5	15	QPSK	1/74	11.73	V	7.95	0.79	18.89	30
1747.5	15	QPSK	1/0	10.08	V	7.95	0.79	17.24	30
1717.5	15	QPSK	1/0	11.98	obal Compa	7.95	0.79	19.14	30
1732.5	15	QPSK	1/74	12.05	Н	7.95	0.79	19.21	30
1747.5	15	QPSK	1/0	11.59	Н	7.95	0.79	18.75	30
1717.5	15	16-QAM	1/0	12.51	V	7.95	0.79	19.67	30
1732.5	15	16-QAM	1/74	10.14	The Volume Country	7.95	0.79	17.3	30
1747.5	15	16-QAM	1/0	11.66	Allestation V	7.95	0.79	18.82	30
1717.5	15	16-QAM	1/0	9.43	Н	7.95	0.79	16.59	30
1732.5	15	16-QAM	1/74	12.03	₩ H	7.95	0.79	19.19	30
1747.5	15	16-QAM	1/0	11.33	Complean H	7.95	0.79	18.49	30
1720	20	QPSK	1/99	11.39	V Autosta	7.95	0.79	18.55	30
1732.5	20	QPSK	1/99	12.18	V	7.95	0.79	19.34	30
1745	20	QPSK	1/0	12.56	V	7.95	0.79	19.72	30
1720	20	QPSK	1/99	11.02	TH KE	7.95	0.79	18.18	30
1732.5	20 🔨	QPSK	1/99	11.38	E delion of H	7.95	0.79	18.54	30
1745	20	QPSK	1/0	12.86	Н	7.95	0.79	20.02	30
1720	20	16-QAM	1/99	10.51	V	7.95	0.79	17.67	30
1732.5	20	16-QAM	1/99	11.61	V	7.95	0.79	18.77	30
1745	<u>3</u> 20	16-QAM	1/0	11.06	V	7.95	0.79	18.22	30
1720	20	16-QAM	1/99	12.54	CGCA TO	7.95	0.79	19.7	30
1732.5	20	16-QAM	1/99	10.79	Н	7.95	0.79	17.95	30
1745	20	16-QAM	1/0	11.63	:://H	7.95	0.79	18.79	30

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EIRP for LTE Band 5

Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
824.7	1.4	QPSK	1/0	13.50	V	6.7	0.49	20.66	38.45
836.5	1.4	QPSK	1/0	12.06	V	6.7	0.49	19.22	38.45
848.3	1.4	QPSK	1/0	13.07	V	6.7	0.49	20.23	38.45
824.7	1.4	QPSK	1/0	12.40	H H	6.7	0.49	19.56	38.45
836.5	1.4	QPSK	1/0	12.57	Н	6.7	0.49	19.73	38.45
848.3	1.4	QPSK	1/0	11.27	H	6.7	0.49	18.43	38.45
824.7	1.4	16-QAM	1/0	11.95	V	6.7	0.49	19.11	38.45
836.5	1.4	16-QAM	1/0	13.76	V Andronal	6.7	0.49	20.92	38.45
848.3	1.4	16-QAM	1/0	11.72	- CV	6.7	0.49	18.88	38.45
824.7	1.4	16-QAM	1/0	10.43	Н	6.7	0.49	17.59	38.45
836.5	1.4	16-QAM	1/0	12.28	-∭H	6.7	0.49	19.44	38.45
848.3	1.4	16-QAM	1/0	12.39	Complian H	6.7	0.49	19.55	38.45
825.5	3	QPSK	1/0	11.33	V	6.7	0.49	18.49	38.45
836.5	3	QPSK	1/0	12.79	V	6.7	0.49	19.95	38.45
847.5	3	QPSK	1/0	12.50	V	6.7	0.49	19.66	38.45
825.5	3	QPSK	1/0	11.67	Hr Compilar	6.7	0.49	18.83	38.45
836.5	3	QPSK	1/0	12.73	# H	6.7	0.49	19.89	38.45
847.5	8 3 monda	QPSK	1/0	10.86	Н	6.7	0.49	18.02	38.45
825.5	3	16-QAM	1/0	11.29	V	6.7	0.49	18.45	38.45
836.5	3	16-QAM	1/0	13.68	V V	6.7	0.49	20.84	38.45
847.5	3	16-QAM	1/0	13.25	V	6.7	0.49	20.41	38.45
825.5	Cooper 3	16-QAM	1/0	12.60	C H	6.7	0.49	19.76	38.45
836.5	3	16-QAM	1/0	12.10	Н	6.7	0.49	19.26	38.45
847.5	3	16-QAM	1/0	13.12	H	6.7	0.49	20.28	38.45
826.5	5	QPSK	1/0	14.12	V	6.7	0.49	21.28	38.45
836.5	5 of Global	QPSK	1/0	14.64	V	6.7	0.49	21.80	38.45
846.5	5	QPSK	1/0	14.55	٧	6.7	0.49	21.71	38.45
826.5	5	QPSK	1/0	13.75	Н	6.7	0.49	20.91	38.45
836.5	5	QPSK	1/0	13.31	H	6.7	0.49	20.47	38.45
846.5	allance 5	QPSK	1/0	12.19	H 3740-512111	6.7	0.49	19.35	38.45
826.5	5	16-QAM	1/0	12.21	V	6.7	0.49	19.37	38.45
836.5	5	16-QAM	1/0	12.39	V	6.7	0.49	19.55	38.45
846.5	5	16-QAM	1/0	11.48	N N	6.7	0.49	18.64	38.45
826.5	5	16-QAM	1/0	10.92	300bal H	6.7	0.49	18.08	38.45
836.5	5	16-QAM	1/0	14.09	н	6.7	0.49	21.25	38.45
846.5	estation of Garage	16-QAM	1/0	12.44	Н	6.7	0.49	19.60	38.45

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829	10	QPSK	1/0	11.91	V	6.7	0.49	19.07	38.45
836.5	10	QPSK	1/0	10.48	₩ V	6.7	0.49	17.64	38.45
844	10	QPSK	1/0	13.01	Sormonia V	6.7	0.49	20.17	38.45
829	10	QPSK	1/0	10.48	Н	6.7	0.49	17.64	38.45
836.5	10	QPSK	1/0	11.47	Н	6.7	0.49	18.63	38.45
844	10	QPSK	1/0	11.16	H. M.	6.7	0.49	18.32	38.45
829	10	16-QAM	1/0	11.04	TV Company	6.7	0.49	18.20	38.45
836.5	10	16-QAM	1/0	12.94	Attestation V	6.7	0.49	20.10	38.45
844	10	16-QAM	1/0	11.61	V	6.7	0.49	18.77	38.45
829	10	16-QAM	1/0	11.85	Н	6.7	0.49	19.01	38.45
836.5	10	16-QAM	1/0	10.81	H	6.7	0.49	17.97	38.45
844	10	16-QAM	1/0	10.94	H Allestation	6.7	0.49	18.10	38.45



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EIRP for LTE Band 7

Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
2502.5	not Glove 5	QPSK	1/0	12.8	V	8.23	1.12	19.91	33
2535	5	QPSK	1/0	12.62	V. The	8.23	1.12	19.73	33
2567.5	<u>\$</u> 5	QPSK	1/24	12.98	TV.	8.23	1.12	20.09	33
2502.5	5	QPSK	1/0	12.16	Hestation U. H	8.23	1.12	19.27	33
2535	© 5 on of Goods	QPSK	1/0	11.23	H	8.23	1.12	18.34	33
2567.5	5	QPSK	1/24	10.94	Н	8.23	1.12	18.05	33
2502.5	5	16-QAM	1/0	11.89	V	8.23	1.12	19.00	33
2535	Th. 5	16-QAM	1/0	13.37	V Altestation of	8.23	1.12	20.48	33
2567.5	5 ® 9	16-QAM	1/24	10.68	V	8.23	1.12	17.79	33
2502.5	5	16-QAM	1/0	10.78	Н	8.23	1.12	17.89	33
2535	5	16-QAM	1/0	11.4	AT TH	8.23	1.12	18.51	33
2567.5	5 🐀	16-QAM	1/24	12.58	obal Comp. H	8.23	1.12	19.69	33
2505	10	QPSK	1/0	11.07	V	8.23	1.12	18.18	33
2535	adion of 10	QPSK	1/49	11.89	V	8.23	1.12	19.00	33
2565	10	QPSK	1/0	14.51	V	8.23	1.12	21.62	33
2505	10	QPSK	1/0	12.22	Hobal Consult	8.23	1.12	19.33	33
2535	° 10 1	QPSK	1/49	12.15	Allestation H	8.23	1.12	19.26	33
2565	10	QPSK	1/0	10.58	Н	8.23	1.12	17.69	33
2505	10	16-QAM	1/0	12.18	** V	8.23	1.12	19.29	33
2535	10	16-QAM	1/49	12.06	Sornollar V 4	8.23	1.12	19.17	33
2565	10	16-QAM	1/0	12.93	V Allestan	8.23	1.12	20.04	33
2505	10	16-QAM	1/0	12.36	Н	8.23	1.12	19.47	33
2535	10	16-QAM	1/49	15.41	H ::	8.23	1.12	22.52	33
2565	10	16-QAM	1/0	13.55	H Kingliance	8.23	1.12	20.66	33
2507.5	15	QPSK	1/0	13.02	E alion of V	8.23	1.12	20.13	33
2535	© 15°°°	QPSK	1/74	14.66	V	8.23	1.12	21.77	33
2562.5	15	QPSK	1/0	12.2	V	8.23	1.12	19.31	33
2507.5	15	QPSK	1/0	13.91	Н	8.23	1.12	21.02	33
2535	15	QPSK	1/74	11.5	H # station	8.23	1.12	18.61	33
2562.5	15 😞 🗸	QPSK	1/0	11.91	C/CH	8.23	1.12	19.02	33
2507.5	15	16-QAM	1/0	12.4	٧	8.23	1.12	19.51	33
2535	15	16-QAM	1/74	10.49	V	8.23	1.12	17.60	33
2562.5	15	16-QAM	1/0	10.57	V V	8.23	1.12	17.68	33
2507.5	15	16-QAM	1/0	11.46	Н	8.23	1.12	18.57	33
2535	15	16-QAM	1/74	9.75	Н	8.23	1.12	16.86	33

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2562.5	15	16-QAM	1/0	12.12	Н	8.23	1.12	19.23	33
2510	20	QPSK	1/99	13.04	₩ V	8.23	1.12	20.15	33
2535	20	QPSK	1/99	10.35	Compile V	8.23	1.12	17.46	33
2560	20	QPSK	1/0	10.66	V	8.23	1.12	17.77	33
2510	20	QPSK	1/99	12.73	Н	8.23	1.12	19.84	33
2535	20	QPSK	1/99	12.48	H	8.23	1.12	19.59	33
2560	20	QPSK	1/0	11.91	H Comp	8.23	1.12	19.02	33
2510	20	16-QAM	1/99	12.65	V	8.23	1.12	19.76	33
2535	20	16-QAM	1/99	11.57	V	8.23	1.12	18.68	33
2560	20	16-QAM	1/0	10.98	V	8.23	1.12	18.09	33
2510	20	16-QAM	1/99	12.13	H	8.23	1.12	19.24	33
2535	20	16-QAM	1/99	12.65	Hallestat	8.23	1.12	19.76	33
2560	20	16-QAM	1/0	13.05	Н	8.23	1.12	20.16	33



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EIRP for LTE Band 25

Attesta				-711		~ 31 m	2000	El Comp.	12
Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
1850	1.4	QPSK	1/0	13.16	V	7.95	0.79	20.32	33
1882.5	1.4	QPSK	1/0	12.40	V	7.95	0.79	19.56	33
1914.3	1.4	QPSK	1/0	12.94	Vandunce	7.95	0.79	20.1	33
1850	1.4	QPSK	1/0	13.32	H H	7.95	0.79	20.48	33
1882.5	1.4	QPSK	1/0	12.03	HG	7.95	0.79	19.19	33
1914.3	1.4	QPSK	1/0	10.69	Н	7.95	0.79	17.85	33
1850	1.4	16-QAM	1/5	11.69	V	7.95	0.79	18.85	33
1882.5	1.4	16-QAM	1/0	12.76	V station of C	7.95	0.79	19.92	33
1914.3	1.4	16-QAM	1/0	11.62	- CV	7.95	0.79	18.78	33
1850	1.4	16-QAM	1/5	11.53	Н	7.95	0.79	18.69	33
1882.5	1.4	16-QAM	1/0	12.65	H	7.95	0.79	19.81	33
1914.3	1.4	16-QAM	1/0	11.20	Complianch	7.95	0.79	18.36	33
1851.5	3	QPSK	1/0	12.14	V	7.95	0.79	19.30	33
1882.5	3	QPSK	1/0	11.91	V	7.95	0.79	19.07	33
1913.5	3	QPSK	1/0	13.35	V	7.95	0.79	20.51	33
1851.5	3	QPSK	1/0	11.54	Hr Kill Company	7.95	0.79	18.7	33
1882.5	3	QPSK	1/0	12.02	Mark H	7.95	0.79	19.18	33
1913.5	® 3	QPSK	1/0	11.58	Н	7.95	0.79	18.74	33
1851.5	3	16-QAM	1/0	12.95	V	7.95	0.79	20.11	33
1882.5	3	16-QAM	1/0	12.23	Sandiano V	7.95	0.79	19.39	33
1913.5	3	16-QAM	1/0	13.26	V Maria	7.95	0.79	20.42	33
1851.5	3 6	16-QAM	1/0	12.03	C) H	7.95	0.79	19.19	33
1882.5	3	16-QAM	1/0	14.71	Н	7.95	0.79	21.87	33
1913.5	3	16-QAM	1/0	13.67	H _E	7.95	0.79	20.83	33
1852.5	5	QPSK	1/0	12.98	V Contraction	7.95	0.79	20.14	33
1882.5	5 3 3 Cooled	QPSK	1/0	13.63	Allestanto V	7.95	0.79	20.79	33
1912.5	5	QPSK	1/24	12.57	V	7.95	0.79	19.73	33
1852.5	5	QPSK	1/0	13.74	Н	7.95	0.79	20.9	33
1882.5	5	QPSK	1/0	11.71	H	7.95	0.79	18.87	33
1912.5	5	QPSK	1/24	11.61	H Altestan	7.95	0.79	18.77	33
1852.5	5	16-QAM	1/0	12.25	V	7.95	0.79	19.41	33
1882.5	5	16-QAM	1/0	11.01	V	7.95	0.79	18.17	33
1912.5	5	16-QAM	1/24	11.29	E W	7.95	0.79	18.45	33
1852.5	5	16-QAM	1/0	10.04	Stopal Co. H	7.95	0.79	17.2	33
1882.5	5.5	16-QAM	1/0	10.88	H	7.95	0.79	18.04	33
1912.5	5	16-QAM	1/24	11.09	H	7.95	0.79	18.25	33

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1855	10	QPSK	1/0	13.00	V	7.95	0.79	20.16	33
1882.5	10	QPSK	1/49	11.38	W V	7.95	0.79	18.54	33
1910	10	QPSK	1/0	10.63	V	7.95	0.79	17.79	33
1855	10	QPSK	1/0	13.32	Н	7.95	0.79	20.48	33
1882.5	10	QPSK	1/49	12.69	Н	7.95	0.79	19.85	33
1910	10	QPSK	1/0	11.26	H, W.	7.95	0.79	18.42	33
1855	10	16-QAM	1/0	12.95	V	7.95	0.79	20.11	33
1882.5	10 🖘	16-QAM	1/49	12.84	V	7.95	0.79	20.00	33
1910	10	16-QAM	1/0	11.49	V	7.95	0.79	18.65	33
1855	10	16-QAM	1/0	12.62	Н	7.95	0.79	19.78	33
1882.5	10	16-QAM	1/49	12.87	H 🥳 🦠	7.95	0.79	20.03	33
1910	10	16-QAM	1/0	12.16	H Allestation	7.95	0.79	19.32	33
1857.5	15	QPSK	1/0	11.50	V	7.95	0.79	18.66	33
1882.5	15	QPSK	1/74	11.35	V	7.95	0.79	18.51	33
1907.5	15	QPSK	1/0	9.96	N V	7.95	0.79	17.12	33
1857.5	15	QPSK	1/0	12.05	balconii H	7.95	0.79	19.21	33
1882.5	15	QPSK	1/74	11.04	Н	7.95	0.79	18.20	33
1907.5	15	QPSK	1/0	11.30	Ĥ	7.95	0.79	18.46	33
1857.5	15	16-QAM	1/0	13.35	V	7.95	0.79	20.51	33
1882.5	15	16-QAM	1/74	9.61	V _{opal Count}	7.95	0.79	16.77	33
1907.5	15	16-QAM	1/0	11.17	V	7.95	0.79	18.33	33
1857.5	15	16-QAM	1/0	9.37	Н	7.95	0.79	16.53	33
1882.5	15	16-QAM	1/74	11.82	₩ H	7.95	0.79	18.98	33
1907.5	15	16-QAM	1/0	10.28	H #	7.95	0.79	17.44	33
1860	20	QPSK	1/99	10.99	V	7.95	0.79	18.15	33
1882.5	20	QPSK	1/99	11.85	V	7.95	0.79	19.01	33
1905	20	QPSK	1/0	13.46	V	7.95	0.79	20.62	33
1860	20	QPSK	1/99	10.32	TH Kill Dillings	7.95	0.79	17.48	33
1882.5	20 🔨	QPSK	1/99	12.70	A CHANGE H	7.95	0.79	19.86	33
1905	20	QPSK	1/0	12.38	H	7.95	0.79	19.54	33
1860	20	16-QAM	1/99	11.13	V	7.95	0.79	18.29	33
1882.5	20	16-QAM	1/99	10.81	V	7.95	0.79	17.97	33
1905	<u>a</u> 20	16-QAM	1/0	10.39	V	7.95	0.79	17.55	33
1860	20	16-QAM	1/99	12.40	GCH T	7.95	0.79	19.56	33
1882.5	20	16-QAM	1/99	10.66	Н	7.95	0.79	17.82	33
1905	20	16-QAM	1/0	12.21	H	7.95	0.79	19.37	33

Note: Above is the worst mode data.



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6.3. PEAK-TO-AVERAGE RATIO 6.3.1 MEASUREMENT METHOD

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

According to KDB 971168 D01v03 - Section 5.7:

- a)Refer to instrument's analyzer instruction manual for details on how to use the power statistics /CCDF function;
- b) Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval to 1 ms
- e) Record the maximum PAPR level associated with a probability of 0.1%

6.3.2 PROVISIONS APPLICABLE

This is the test for the Peak-to-Average Ratio from the EUT.

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.



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6.3.3 MEASUREMENT RESULT

LTE Band 2 Channel Bandwidth: 1.4 MHz

			Channel E	Bandwidth: 1.4 MHz		
Modulation	Channel	RB Conf	figuration Offset	Peak-to-Average Ratio (dB)	Limit (dB)	Verdic
(4)	sucs Till	1	0 6 0	6 A 4.37	<13	PASS
THO Global Come	II Global	1_(3	4.33	<13	PASS
Affestation	® Attestation of	1	5	4.35	<13	PASS
(G)	LCH	3	0	4.50	<13	PASS
	THE MILES	3	2	6 4.32 ° 4	<13	PASS
(a) the	F of Global Contin	3	3 3	4.49	<13	PASS
- C		6	0	5.14	<13	M PASS
0	10	1	0	4.33	<13	PASS
		1	3	4.11	<13	PASS
	THE JULY	1 4	5 ® 4	4.28	<13	PASS
QPSK	MCH	3	0	4.31	<13	PASS
Alle	Halion	3	2	4.28	<13	PASS
G		3	3	4.38	<13	PASS
TE TO	A	6	O SA Colorado	4.72	<13	PASS
The Kill Compiles	学说	Jal Const	0	4.42	<13	PASS
Attestation of G.	Altestation	1	3	4.48	<13	PASS
		1	5	4.56	<13	PASS
	HCH	3	0	4.35	<13	PASS
12	TA Compliant	3	2	4.18	<13	PASS
® Allestati	nord	3	3	4.64	<13	PASS
		6	0	5.18	<13	PASS
	3.1	7 1	0	4.97	<13	PASS
ALL SAIN	I IN SOLD	5mpli	3	5.00	<13	PASS
obal Complian	® Attestation of B	1 Altesta	5	5.03	<13	PASS
C	LCH	3	0	5.15	<13	PASS
		3	2	5.44	<13	PASS
160014	-7 <u>[1]</u>	3 Tampian	3	5.40	<13	PASS
16QAM	bilgi.	6	0	6.05	<13	PASS
Aftestation of	- 60	1	0	5.01	<13	PASS
Je.		1	3	4.87	<13	PASS
lin-	MCH	1	5	5.17	<13	PASS
KE This	The Compliance	3	0	5.11	<13	PASS
B 4	olation of Glour	3	2	5.25	<13	PASS

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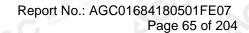
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The station of Global	100	3	3	5.29	<13	PASS
Atte		6	0	5.59	<13	PASS
Lift:	Line:	1 #	Clopal Com O	5.09	<13	PASS
	The Compliance	1 Augstation	3	5.00	<13	PASS
	n of Globa.	1 .	5	5.24	<13	PASS
	HCH	3	0	5.15	<13	PASS
	<i>(11)</i>	<u>3</u> 3	2	5.25	<13	PASS
TY AST	The state of	3	3	5.41	<13	PASS
3) The station of Give	® Francisco of Globs	6	0	6.04	<13	PASS

Channel Bandwidth: 3 MHz

	T Kil poliance	- KE Manco		Compliant Company	Attestation	
			Channel	Bandwidth: 3 MHz		
Modulation	Channel	RB Conf	figuration Offset	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		1	0	4.30	<13	PASS
		®15 1500°	7	4.27	<13	PASS
(S) SE SI	tation of Global Co	- C1	14	4.43	<13	PASS
	LCH	8	0	4.58	<13	PASS
		8	4	4.19	<13	PASS
	· · · · · · · · · · · · · · · · · · ·	al Complete	3 % T	4.74	<13	PASS
	(R) Attestation of	15	0	4.98	<13	PASS
N		1	0	4.22	<13	PASS
	15 TH	1 1	7	4.21	<13	PASS
	of Global Compile	The Toloral Coloral Colorad Co	14	4.10	<13	PASS
QPSK	MCH	8	0	4.26	<13	PASS
		8	4	4.18	<13	PASS
	新	8	1 7 T	4.70	<13	PASS
	® Franco of Global	15	0	4.84	<13	PASS
	G Alles	G 1	0	4.36	<13	PASS
		1	7	4.25	<13	PASS
	TIM:	1 King plant	14	4.63	<13	PASS
	HCH	8	© O tallon of Car	4.58	<13	PASS
	- GC	8	4	4.93	<13	PASS
		8	7	4.95	<13	PASS
-Tilli-	111	15	1 0	5.18	<13	PASS
16QAM	LCH	T American	0	5.20	<13	PASS
IOQAW	estation of EST 1	1	7	5.15	<13	PASS

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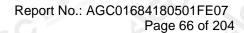


100	10	14	5.17	<13	PASS
	8	0	5.15	<13	PASS
	8	4	5.58	<13	PASS
A Kanpilano	8	7	5.63	<13	PASS
an ol	15	0	6.10	<13	PASS
	1	0	4.75	<13	PASS
Janes k	James 1	8 American State of Glove	5.00	<13	PASS
® # Final Global	1	14	5.14	<13	PASS
MCH	8	0	5.48	<13	PASS
-Till	8	4	5.37	<13	PASS
That Compilance	8	7 1	5.58	<13	PASS
ilon of Glob	15	0	5.89	<13	PASS
-60	1.0	0	5.02	<13	PASS
	1	7	5.18	<13	PASS
ALL SAL	1 4	14	5.39	<13	PASS
HCH	8	0	5.31	<13	PASS
Shilona	8	4	5.23	<13	PASS
	8	7 18	5.74	<13	PASS
N.	15	0	5.89	<13	PASS
	NGO S	8 8 8 15 1 1 1 1 1 1 8 8 8 15 1 1 1 1 1	8 0 8 4 8 7 15 0 1 0 1 7 1 14 MCH 8 0 8 4 8 7 15 0 1 0 1 7 1 7 1 14 HCH 8 0 8 4 8 7	8 0 5.15 8 4 5.58 8 7 5.63 15 0 6.10 1 0 4.75 1 7 5.00 1 14 5.14 8 0 5.48 8 4 5.37 8 7 5.58 15 0 5.89 1 0 5.02 1 7 5.18 1 14 5.39 HCH 8 0 5.31 8 4 5.23 8 7 5.74	8 0 5.15 <13

Channel Bandwidth: 5 MHz

			Channel	Bandwidth: 5 MHz		
Madulatian	Channal	RB Configuration		Peak-to-Average Ratio	Limit	\/a nali at
Modulation	Channel	Size	Offset	[dB]	[dB]	Verdict
CO		1	0	4.35	<13	PASS
	7 <u>7.</u>	1	12	4.28	<13	PASS
15 mm	The of Global C	1	24	4.25	<13	PASS
	LCH	12	0	4.05	<13	PASS
		12	6	4.99	<13	PASS
ODOK	in	12	13	4.71	<13	PASS
QPSK	Unisuce -Vina	25	© O Ton of Girls	5.06	<13	PASS
	- 6	1	0	4.02	<13	PASS
		1	12	4.35	<13	PASS
	MCH	1	24	3.82	<13	PASS
	KE Williams	12	0	3.97	<13	PASS
	station of Global C	12	6	4.16	<13	PASS

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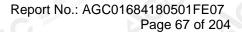




El "Comp.		Alles	Allesto	Title and the second	\	
Hestalion of Glou	100	12	13	4.69	<13	PASS
		25	0	4.89	<13	PASS
	711	1, 4	0	4.29	<13	PASS
	TV By Compliano	1 1	12	4.26	<13	PASS
	holo	1	24	4.37	<13	PASS
	HCH	12	0	4.28	<13	PASS
	euce 3	12	6	4.36	<13	PASS
	® # Fin of Global	12	13	4.78	<13	PASS
	Altestand	25	0	5.19	<13	PASS
10	lin:	1	0	5.25	<13	PASS
	The Compilance	1 1 Compliance	12	4.25	<13	PASS
	jon of Glob	adation of 1	24	4.99	<13	PASS
	LCH	12	0	5.16	<13	PASS
		12	6	5.23	<13	PASS
		12	13	5.65	<13	PASS
	The Compiler	25	0	6.06	<13	PASS
	station.	1	0	4.75	<13	PASS
		1	12	4.26	<13	PASS
	9	Manufact 8	24	4.62	<13	PASS
16QAM	MCH	12	0	5.00	<13	PASS
	C Attesto	12	6	5.61	<13	PASS
		12	13	5.52	<13	PASS
	TK Kingliance	25	0 %	5.76	<13	PASS
	n of Globar	1	0	5.22	<13	PASS
	< GC	1	12	5.11	* <13	PASS
		1	24	5.14	<13	PASS
	HCH	12	0	5.14	<13	PASS
	Altestation of Glob	12	6	5.26	<13	PASS
	9	12	13	5.71	<13	PASS
		25	0	5.87	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz									
Modulation	Channel	RB Conf	iguration	Peak-to-Average Ratio	Limit	Verdict			
		Size	Offset	[dB]	[dB]	verdict			
QPSK	LCH	9 1	0	4.31	<13	PASS			





		10	24	4.31	<13	PASS
		1	49	4.57	<13	PASS
	ALL THE	25	0	4.29	<13	PASS
	E Global Compilar	25	12	4.67	<13	PASS
	dino,	25	25	4.88	<13	PASS
		50	0	5.05	<13	PASS
	o ance	Topiance 1	On of Giov	4.54	<13	PASS
	® # Jon of Global C	1	24	4.33	<13	PASS
	C Allesta	1	49	4.16	<13	PASS
	MCH	25	0	4.25	<13	PASS
	The Compliance	25	12	4.39	<13	PASS
	thonor Glob	25	25	4.63	<13	PASS
	100°	50	0	4.74	<13	PASS
		1	0	4.65	<13	PASS
	ALE SAL	1 4	24	4.26	<13	PASS
	The Global Compiler.	1 Allestation	49	4.57	<13	PASS
	HCH	25	0	4.11	<13	PASS
		25	12	4.75	<13	PASS
		25	25	4.69	<13	PASS
	® # Jong Gir	50	0	4.99	<13	PASS
station	C A	1	0	5.11	<13	PASS
		1	24	5.13	[®] <13	PASS
	The Fills	1 1 1 1 Complete	49	5.42	<13	PASS
	LCH	25	0	5.32	<13	PASS
	- GO	25	12	5.28	<13	PASS
		3 25	25	5.66	<13	PASS
	The state of	50	0	5.94	<13	PASS
Compliance	(S) Allestation of Clor	1 Altestal	0	5.16	<13	PASS
16QAM		0 1	24	5.10	<13	PASS
		1 :	49	4.73	<13	PASS
	MCH	25	0 7 1	5.27	<13	PASS
	® 4	25	12	5.46	<13	PASS
	100	25	25	5.57	<13	PASS
		50	0	5.71	<13	PASS
	The same	1 4	0 @	5.64	<13	PASS
	HCH	1	24	5.29	<13	PASS

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E) The station of Global	: C	10	49	5.23	<13	PASS
Alle		25	0	5.21 @ January Comment	<13	PASS
11 m		25	12	5.19	<13	PASS
Clobal Compiler	The Resembliance	25	25	5.60	<13	PASS
(B) Attestal	m ^o	50	0	5.81	<13	PASS

Channel Bandwidth: 15 MHz

			Channel E	Bandwidth: 15 MHz		,
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
Modulation	Chamilei	Size	Offset	[dB]	[dB]	Verdict
	That Compliance	The Compliance	0 1	4.16	<13	PASS
® ## st	ion of Glov	atation of Globa	37	4.32	<13	PASS
GO "	CO T	1.6	74	4.90	<13	PASS
	LCH	37	0	4.87	<13	PASS
	lite:	37	18	4.99	<13	PASS
KE milance	The Compliance	37	38	4.93	<13	PASS
® ##	talion of Globa	75	0	5.47	<13	PASS
CO ATT		1	0	4.46	<13	PASS
		₃₀₀ 1	37	4.32	<13	PASS
大 校 河	抓	Compliance 1	74	4.17	<13	PASS
QPSK	MCH	37	0	4.20	<13	PASS
Attestation	C Alles	37	18	4.28	<13	PASS
	711	37	38	4.49	<13	PASS
	KE This was	75	0 %	5.05	<13	PASS
(c) ## 13	not Global ©	Market 1 Single State of the St	0	4.64	<13	PASS
Allestal	CO	1	37	5.00	<13	PASS
		1	74	4.50	<13	PASS
all.	HCH	37	0	9 4.57 9 A	<13	PASS
History The State of the State	® # Jon of Global C	37	18	4.69	<13	PASS
Jobal Co.	Allesta	37	38	4.77	<13	PASS
		75	0	5.17	<13	PASS
	-311	1 1	0	5.07	<13	PASS
不检	blisuce -iling	Toal Company	37	5.03	<13	PASS
Figure 1 Co	(e) 1	Mestation 1	74	5.58	<13	PASS
160014	LCH	37	0	5.86	<13	PASS
16QAM		37	18	5.78	<13	PASS
TIME TO	Age names	37	38	5.86	<13	PASS
al Compliance	EN Clopal Compiles	75	0	6.10	<13	PASS
(8)	MCH	1	0	5.17	<13	PASS

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# Application	10	37		5.23	<13	PASS
Atte	1	74	- FILE	5.02	<13	PASS
100	37	SA COOM O	E The Compile	5.25	<13	PASS
The Compliance	37	18	the Mation of	5.27	<13	PASS
© ## tall Not Globs	37	38		5.54	<13	PASS
	75	0	- 100 s	5.93	<13	PASS
1 1 1	<u>, 1</u>	0	The speed	5.63	<13	PASS
The transfer of the	ompliance 1	37	(B) Milestation (S)	5.26	<13	PASS
8) Mestation of Glob	1	74	3	5.06	<13	PASS
HCH	37	0		5.31	<13	PASS
	37	18	711	5.18	<13	PASS
The Complant	37	38	bal Comming	5.57	<13	PASS
(a) White of the control of the cont	75	0	100	5.92	<13	PASS

Channel Bandwidth: 20 MHz

			- Title plance	SA Compa	Mileste	
			Channel	Bandwidth: 20 MHz		
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdic
Modulation	Cildille	Size	Offset	[dB]	[dB]	verdic
		1	0	4.24	<13	PASS
A W	3	程 700-1	49	4.65	<13	PASS
The Model Compile	R. A. F. O. C.	dal Con 1	99	4.80	<13	PASS
Attestation of C	LCH	50	0	5.23	<13	PASS
		50	25	5.18	<13	PASS
		50	50	5.13	<13	PASS
	TV Chopal Compilar	100	0	5.39	<13	PASS
GC	no'	Altestalle 1	0	4.65	<13	PASS
		1	49	4.52	<13	PASS
		1 1	99	4.26	<13	PASS
QPSK	MCH	50	O Second Co	4.33	<13	PASS
K Compilar	(B) Allestation of	50	25	4.36	<13	PASS
C		50	50	4.65	<13	PASS
		100	0	4.91	<13	PASS
Sk	-7111	The Compliance	0	4.41	<13	PASS
手 天 Coopal Co	(B)	Station of T	49	4.36	<13	PASS
(R) Attestation of C	CO.	1	99	4.50	<13	PASS
	HCH	50	0	4.25	<13	PASS
-711		50	25	4.64	<13	PASS
KET Millsuce	The Compliance	50	50	4.72	<13	PASS
llopal Co.	estation of Glob.	100	0	5.09	<13	PASS

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The Comp		Alles	Attesta		-cill	A.
		10	0	4.98	<13	PASS
		1	49	4.89	<13	PASS
	line.	1 4	99	5.66	<13	PASS
	LCH	50	0	5.22	<13	PASS
	allyn of Globe	50	25	5.33	<13	PASS
		50	50	5.97	<13	PASS
	= 100	<u></u> 100	0	6.11	<13	PASS
	The Age	ompliance 1	0	5.35	<13	PASS
	® Atalion of Globa	1.0	49	5.28	<13	PASS
	C m	1	99	5.24	<13	PASS
16QAM	MCH	50	0	5.11	<13	PASS
	The MEL Compliance	50	25	5.36	<13	PASS
	stroon of Glo	50	50	5.63	<13	PASS
	CO '	100	0	5.80	<13	PASS
		1	0	4.98	<13	PASS
	TIME:	1	49	4.97	<13	PASS
	The Compliance	®1	99	5.11	<13	PASS
	HCH	50	0	5.09	<13	PASS
		50	25	5.32	<13	PASS
		- 50	50	5.63	<13	PASS
	TA TA	100	0	5.89	<13	PASS

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LTE Band 4 Channel Bandwidth: 1.4 MHz

			Channel B	Bandwidth: 1.4 MHz		
Madulation	Channal	RB Configuration		Peak-to-Average Ratio	Limit	\/ "
Modulation	Channel	Size	Offset	(dB)	(dB)	Verdict
		1	0	4.41	<13	PASS
		1	8 3 3	4.36	<13	PASS
		1	5	4.40	<13	PASS
	LCH	3	0	4.22	<13	PASS
		3	2	4.29	<13	PASS
		3	3	4.58	<13	PASS
® FEE	F TW Count	6	@ Mondian of Globa	4.99	<13	PASS
Allesti		lestation 1	0	4.52	<13	PASS
G		1	3	4.25	<13	PASS
		1	5	4.46	<13	PASS
QPSK	MCH	3	Model College 0 8 4	4.36	<13	PASS
Compliance		3	2	4.57	<13	PASS
Alle		3	3	4.57	<13	PASS
GO		6	0	4.72	<13	PASS
A A	À	授 和 1	0	4.47	<13	PASS
The Kill Compile		bal Control	3	4.33	<13	PASS
Attestation of G		10	5	4.58	<13	PASS
	HCH	3	0	4.44	<13	PASS
		3	2	4.29	<13	PASS
		3	3	4.52	<13	PASS
	nord	6	0	4.74	<13	PASS
GU		1	0	5.01	<13	PASS
		1 1	3	4.99	<13	PASS
		ompliar 1	3.7 Salara 5	5.15	<13	PASS
16QAM	LCH	3	0	5.02	<13	PASS
		3	2	5.33	<13	PASS
		3	3	5.49	<13	PASS
	-TILL	6	0 1	5.83	<13	PASS
	lo _{llo}	E Track 1	0	5.29	<13	PASS
		1	3	5.28	<13	PASS
	MCH	1	5	5.35	<13	PASS
	MCH	3	0	5.46	<13	PASS
		3	2	5.44	<13	PASS
		3	3	5.42	<13	PASS

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The station of Glob	100	6	0	5.53	<13	PASS
		1	0	5.24	<13	PASS
	11117	1 4	3	5.16	<13	PASS
	The Compliance	1 33 Attestation	5	5.33	<13	PASS
	HCH	3	0	5.22	<13	PASS
		3	2	5.28	<13	PASS
		<u>3</u> 3	3	5.30	<13	PASS
	新	6	0	5.52	<13	PASS

Channel Bandwidth: 3 MHz

			Channel	Bandwidth: 3 MHz		
Modulation Channel		RB Configuration Size Offset		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
10 P		1	0	4.44	(13	PASS
THE THE STATE OF T		1	7	4.52	<13	PASS
	TILL -	1 # J	14	4.42	<13	PASS
	LCH	8	0	4.39	<13	PASS
	ECI I	8	4	4.45	<13	PASS
		8	7	4.72	<13	PASS
		15	0	4.72	<13	PASS
	is the	Coulons	0	4.34	<13	PASS
	(8) Milestation of Con	100	7	4.58	<13	PASS
		1	14	4.32	<13	PASS
QPSK	MCH	8	0	4.48	<13	PASS
QPSK	MCH		U 40%	HOT THE STATE OF T		
	n of Global ©	8	7	4.29 4.63	<13 <13	PASS PASS
	- GO					- 100V
		15	0	4.73	<13	PASS
	不发	1	0	4.39	<13	PASS
	® # Idon of Globall	1 4	7	4.80	<13	PASS
			14	4.34	<13	PASS
	HCH	8	0	4.44	<13	PASS
	-011	8	4	4.36	<13	PASS
	bligues Lines	8	7 5	4.67	<13	PASS
	© 4	15	0	4.75	<13	PASS
		1	0	5.22	<13	PASS
		1	7	5.12	<13	PASS
16QAM	LCH	1	14	5.26	<13	PASS
	The Compilar	8	0	5.36	<13	PASS
	estation of C	8	4	5.27	<13	PASS

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100	8	7	5.68	<13	PASS
	15	0	5.90	<13	PASS
liti:	1 #	Closed Com O	5.14	<13	PASS
The Compliance	1 38 He station	7	5.13	<13	PASS
n of Globa	0 1	14	5.20	<13	PASS
MCH	8	0	5.42	<13	PASS
1111	<u> </u>	4	5.33	<13	PASS
ance K	8	7	5.50	<13	PASS
® station of Globs	15	0	5.62	<13	PASS
G ***	1	0	5.16	<13	PASS
	1 -111	7	5.11	<13	PASS
TK Dod Compliance	FIN Compliance	14	5.16	<13	PASS
HCH	8 8	0	5.23	<13	PASS
CO F	8	4	5.28	<13	PASS
	8	7	5.38	<13	PASS
1111:	15	0	5.51	<13	PASS
		15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 0 1 0 1 7 1 14 MCH 8 0 8 4 8 7 15 0 1 0 1 7 1 14 HCH 8 0 8 4 8 7	15 0 5.90 1 0 5.14 1 7 5.13 1 14 5.20 8 4 5.33 8 7 5.50 15 0 5.62 1 0 5.16 1 7 5.11 1 14 5.16 HCH 8 0 5.23 8 4 5.28 8 7 5.38	15

Channel Bandwidth: 5 MHz

			Channel	Bandwidth: 5 MHz		
Modulation	Channel		iguration	Peak-to-Average Ratio	Limit	Verdict
Mar. Tank	757 180	Size	Offset	[dB]	[dB]	2// 2
Attestation		10	0	4.26	<13	PASS
100		1	12	4.27	<13	PASS
		1. 检测	24	4.36	<13	PASS
	LCH	12	0	4.33	<13	PASS
(B) Attestati		12	6	4.25	<13	PASS
CO		12	13	4.61	<13	PASS
		25	10	4.98	<13	PASS
AND THE	(8) Millestation of Global C	1, 4	on of Global O	3.91	<13	PASS
QPSK		1	12	3.48	<13	PASS
Q Q C S N		1	24	3.70	<13	PASS
	MCH	12	0	4.15	<13	PASS
nd50		12	6	4.37	<13	PASS
F Global Co		12	13	4.56	<13	PASS
Attestation of		25	0	4.93	<13	PASS
		1	0	4.15	<13	PASS
-011	HOLL	1	12	4.43	<13	PASS
K King This	HCH	1 Station	24	3.88	<13	PASS
Stopal C.		12	0	3.87	<13	PASS

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Ell Cours		Alles	Attesta		-all	
The station of Globa	100	12	6	4.25	<13	PASS
		12	13	4.42	<13	PASS
	litte:	25	Maria Como	4.76	<13	PASS
hal Compliano	The Compliance	1 Mestalion	0	5.14	<13	PASS
	not Globa.	1	12	5.16	<13	PASS
		1	24	5.31	<13	PASS
	LCH	<u>12</u>	0	5.58	<13	PASS
	机	12	6	5.49	<13	PASS
	® Managarion of Globe.	12	13	5.54	<13	PASS
	G Atte	25	0	5.86	<13	PASS
	- FILL	1 -11	0	4.81	<13	PASS
	* The Kill Compliance	THI Compliance	12	4.29	<13	PASS
	ion of Gib	station of Gill	24	4.62	<13	PASS
16QAM	MCH	12	0	4.56	<13	PASS
		12	6	4.33	<13	PASS
	in in the second	12	13	5.26	<13	PASS
	The Compliance	25	0	5.59	<13	PASS
	station of Glo	- 1	0	4.60	<13	PASS
		1	12	4.28	<13	PASS
		<u> </u>	24	4.49	<13	PASS
	HCH	12	0	5.31	<13	PASS
	® ## Fation of G	12	6	5.46	<13	PASS
	C M	12	13	5.33	<13	PASS
	TITLE OF THE PARTY	25	0	5.51	<13	PASS

Channel Bandwidth: 10 MHz

			Channel	Bandwidth: 20 MHz		
Modulation	Channel	RB Confi	guration	Peak-to-Average Ratio	Limit	Verdict
Modulation	Channel	Size	Offset	[dB]	[dB]	verdict
of Global	C Alles	6.1	0	4.26	<13	PASS
10		1	49	4.23	<13	PASS
	-till	1点测	99	4.50	<13	PASS
不怕	LCH	50	© O Monor Glor	4.66	<13	PASS
QPSK		50	25	4.48	<13	PASS
QFSK		50	50	4.78	<13	PASS
		100	0	4.98	<13	PASS
	校 河	1 4	Clopal Count	4.40	<13	PASS
A TEL Compliance	MCH	1 Mastation	49	4.25	<13	PASS
	estation	1	99	4.31	<13	PASS

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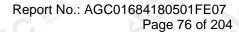
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The Station of Globe	100	50	0	4.61	<13	PASS
		50	25	4.31	<13	PASS
	liji:	50	50	4.65	<13	PASS
	The Compliance	100	0	5.07	<13	PASS
	not Glob	1	0	4.39	<13	PASS
		1	49	4.44	<13	PASS
	: 111	<u>an</u> 1	99	4.34	<13	PASS
	HCH	50	0	4.36	<13	PASS
	® Managarion of Globs	50	25	4.49	<13	PASS
	G ATTE	50	50	4.63	<13	PASS
	TIES - TIES	100	0	4.97	<13	PASS
	The Management	F/1 KEL	0 1	5.13	<13	PASS
	tuon of Giu	station of Gills	49	5.26	<13	PASS
	- C3G	1 6	99	5.27	<13	PASS
	LCH	50	0	5.25	<13	PASS
	LIDE:	50	25	5.11	<13	PASS
	The Kill Compliance	50	50	5.62	<13	PASS
	Station of Globb	100	0	5.74	<13	PASS
		1	0	4.87	<13	PASS
		<u></u> #1	49	4.58	<13	PASS
	- F	A Compliant	99	5.08	<13	PASS
16QAM	MCH	50	0	5.23	<13	PASS
		50	25	5.94	<13	PASS
	litte	50	50	5.60	<13	PASS
	The Compliance	100	0	5.78	<13	PASS
	not Glopen	Managarian 1	0	5.15	<13	PASS
	A CO	1	49	5.32	<13	PASS
		1	99	5.05	<13	PASS
	HCH	50	10	5.15	<13	PASS
	® Marion of Globs	50	25	5.23	<13	PASS
	C Miles	50	50	5.51	<13	PASS
		100	0	5.82	<13	PASS

Channel Bandwidth: 15 MHz

			Channel	Bandwidth: 15 MHz		
Madulation	Channal	RB Conf	RB Configuration Peak-to-Avera		Limit	\/ordiot
Modulation Chan	Channel	Channel Size	Offset	[dB]	[dB]	Verdict
QPSK LCH	TOUT TO	9 mg station	0	4.25	<13	PASS
	C ₁ C ₁	37	4.22	<13	PASS	

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	4 G0	10	74	4.23	<13	PASS
		37	0	4.56	<13	PASS
	lin:	37	18	4.17	<13	PASS
	TK Compliance	37	38	4.59	<13	PASS
	in of Globa	75	0	5.08	<13	PASS
		1	0	4.44	<13	PASS
	ille:	1	37	4.36	<13	PASS
	o arco	ompliance 1	74	4.33	<13	PASS
	MCH	37	0	4.25	<13	PASS
	G Aller	37	18	4.18	<13	PASS
	-700/	37	38	4.51	<13	PASS
	The Kill Compliance	75	0	4.92	<13	PASS
	it har of com	Station of Glue	0	4.24	<13	PASS
	CO	1.0	37	4.34	<13	PASS
		1	74	4.33	<13	PASS
	HCH	37	0	4.28	<13	PASS
	The Compliance	37	18	4.18	<13	PASS
	tation of Globa	37	38	4.44	<13	PASS
	39	75	0	4.97	<13	PASS
		:11	0 1	4.99	<13	PASS
	新	Compliante 1	37	5.03	<13	PASS
	® Francisco	100	74	5.05	<13	PASS
	LCH	37	0	5.12	<13	PASS
		37	18	5.36	<13	PASS
	The Harmonian Co	37	38	5.45	<13	PASS
	n of Global Co.	75	0	5.86	<13	PASS
	60	1	0	5.21	<13	PASS
		1	37	5.12	<13	PASS
	Th. Y	Impliance 1	74	5.06	<13	PASS
16QAM	MCH	37	0	5.18	<13	PASS
	Allesto	37	18	5.36	<13	PASS
		37	38	5.37	<13	PASS
	-111	75	0	5.61	<13	PASS
	pliance	F Malconia	® 40 Toron of Cir	5.17	<13	PASS
		1	37	5.22	<13	PASS
	100	1	74	5.15	<13	PASS
	НСН	37	0	5.32	<13	PASS
	AST "SUCE	37	18	5.28	<13	PASS
	The Compile	37	38	5.34	<13	PASS
	estation o	75	0	5.76	<13	PASS

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Channel Bandwidth: 20 MHz

			Channel E	Bandwidth: 20 MHz	#2 5 hill			
RB Configuration Peak-to-Average Ratio Limit								
Modulation	Channel	Size	Offset	[dB]	[dB]	Verdict		
Attestati		1	0	4.26	<13	PASS		
GU		1	49	4.27	<13	PASS		
極	auce 4	1	99	® 4.51 ® #	<13	PASS		
The of Clobal County	LCH	50	0	4.59	<13	PASS		
Allestation	Allestation C	50	25	4.33	<13	PASS		
C		50	50	4.78	<13	PASS		
	KET Ollaros	100	0	4.98	<13	PASS		
(R) ATL	F of Global Co.	F Macon	® O non of Globa	4.45	<13	PASS		
Alles St		a lestation 1	49	4.28	<13	M PASS		
0	100	1	99	4.31	<13	PASS		
QPSK	MCH	50	0	4.26	<13	PASS		
	HE JULIO	50	25	4.11	<13	PASS		
Compliance	F of Global Comp.	50	50	4.65	<13	PASS		
Alle	Station	100	0	5.07	<13	PASS		
G		1	0	4.39	<13	PASS		
T A	A	1 THE 1	49	4.29	<13	PASS		
The Mark Compile	。	dial Contra	99	4.34	<13	PASS		
Attestation of G	HCH	50	0	4.37	<13	PASS		
		50	25	4.19	<13	PASS		
		50	50	4.63	<13	PASS		
13	TK Kisholian	100	0	4.97	<13	PASS		
(C) Altestall		Altestant 1	0	5.13	<13	PASS		
		1	49	5.21	<13	PASS		
		1 1	99	5.27	<13	PASS		
	LCH	50	0	5.28	<13	PASS		
obal Compilar	(8) Allestation of	50	25	5.37	<13	PASS		
C		50	50	5.62	<13	PASS		
16QAM		100	0	5.74	<13	PASS		
IOQAW	:100	The Compliance	0 1	4.87	<13	PASS		
其 K Global Cos	By.	Estation of 1	49	5.01	<13	PASS		
Attestation of	CO	1	99	5.08	<13	PASS		
	MCH	50	0	5.55	<13	PASS		
711	in:	50	25	5.49	<13	PASS		
ME TIME	The Compliance	50	50	5.63	<13	PASS		
Al Cons	Figure of Globa	100	0	5.78	<13	PASS		

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The clation of Glove	100	10	0	5.15	<13	PASS
		1	49	5.28	<13	PASS
	lin:	1 4	99	5.05	<13	PASS
	HCH	50	0	5.43	<13	PASS
	in of Globe	50	25	5.38	<13	PASS
		50	50	5.51	<13	PASS
	: 10	<u>100</u>	O John C	5.82	<13	PASS

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LTE BAND 5 Channel Bandwidth: 1.4 MHz

			Channel E	Bandwidth: 1.4 MHz		
		RB Confi	iguration	Peak-to-Average Ratio	Limit	.,
Modulation	Channel	Size	Offset	(dB)	(dB)	Verdict
6		1	0	4.26	<13	PASS
极	ill ill	1	8 3 0 000000000000000000000000000000000	0 4.77 0 m	<13	PASS
F Global Comb	F Klobal	1	5	4.25	<13	PASS
Allestation	LCH	3	0	4.33	<13	PASS
(G)		3	2	4.12	<13	PASS
	- KEL Marce	3	3	4.00	<13	PASS
	E of Global Count	6	® 0 0 00 00 00 00 00 00 00 00 00 00 00 0	4.31	<13	PASS
Allestr		lestation 1	0	3.56	<13	M PASS
0	100	1	3	4.11	<13	PASS
		1	5	3.49	<13	PASS
QPSK	MCH	3	A Company O O	5.00	<13	PASS
Compliance	F. A. Complete	3	2	5.12	<13	PASS
(E) Alle		3	3	4.98	<13	PASS
CO		6	0	5.15	<13	PASS
)	WE THE	O Thomas	4.58	<13	PASS
FV KE Compile	S III	bal Committee	3	4.89	<13	PASS
The station of Glove	НСН	10	5	4.31	<13	PASS
		3	0	4.12	<13	PASS
		3	2	4.25	<13	PASS
20		3	3	4.58	<13	PASS
® ##	not Gu	6	0	4.61	<13	PASS
60		1	0	5.00	<13	PASS
		<u> </u>	3	5.13	<13	PASS
	环	ompliar 1 =	5 (Clobal 5	5.08	<13	PASS
K TEL Compliance	LCH	3	0	3.98	<13	PASS
.6		3	2	4.03	<13	PASS
		3	3	4.41	<13	PASS
16QAM	litt:	6	0_1	4.33	<13	PASS
The Note of	(B) A	E Jation of T	0	4.18	<13	PASS
Affestation of Grand	C.C	1 6	3	4.35	<13	PASS
	MOLL	1	5	4.29	<13	PASS
	MCH	3	T 0	4.16	<13	PASS
KET Dimos	The Compliance	3	2	4.13	<13	PASS
oal Con.,	ation of Global	3	3	4.32	<13	PASS

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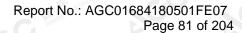
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The state of Global State of G	6	0	4.25	<13	PASS
Ane	1	0	3.22	<13	PASS
100	1 1	3	3.65	<13	PASS
K to The	plianco 1 30 Attostation	5	3.47	<13	PASS
● ● HO	CH 3	0	4.26	<13	PASS
CO M	3	2	4.54	<13	PASS
	3	3	4.65	<13	PASS
The terms are	The standard 6	0	5.15	<13	PASS

Channel Bandwidth: 3 MHz

			Channel	Bandwidth: 3 MHz		
Modulation	Channel	RB Conf Size	iguration Offset	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		1	.0	4.43	<13	PASS
	-111	1	7	4.28	<13	PASS
	The Compliance	®15 spion of	14	3.89	<13	PASS
	LCH	8	0	3.26	<13	PASS
		8	4	4.14	<13	PASS
		8	7 1	3.42	<13	PASS
	o Ale	15	0	4.23	<13	PASS
	® Management of Glo	12.0	0	4.08	<13	PASS
	G AME	1	7	3.16	<13	PASS
		1 🦸	14	4.96	<13	PASS
QPSK	MCH	8	0 %	5.55	<13	PASS
	Wol Clopal Co.	8	4	3.14	<13	PASS
	GO	8	7	4.09	<13	PASS
		15	0	4.14	<13	PASS
	T. H	Impliance 1	0	5.25	<13	PASS
	® A silon of Global C	1 %	7	3.79	<13	PASS
	Allesto	G (1)	14	5.27	<13	PASS
	HCH	8	0	3.66	<13	PASS
	-1111	8	4	5.47	<13	PASS
	Opliance Arra	8	© 7 mond did	3.22	<13	PASS
® # Global O		15	0	4.50	<13	PASS
Altes		1	0	4.84	<13	PASS
		1	7.	4.75	<13	PASS
16QAM	LCH	1 4	14 💿	3.81	<13	PASS
	F of Global Commun	8	0	3.98	<13	PASS
	estation	8	4	3.71	<13	PASS

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	8	7	5.81	<13	PASS
	15	0	4.70	<13	PASS
Line:	1 #	Clopal Com O	4.20	<13	PASS
The Compliance	1 Attestation	7	4.17	<13	PASS
n of Globa.	1 ,	14	4.83	<13	PASS
MCH	8	0	2.88	<13	PASS
砌	<u> </u>	4	3.38	<13	PASS
arco Th	8	7	4.00	<13	PASS
® Station of Globs	15	0	4.50	<13	PASS
9 "	1	0	5.02	<13	PASS
	1 :	7	4.55	<13	PASS
The Williams	TIM Compliance	14	4.01	<13	PASS
HCH	8	0	4.09	<13	PASS
- CO	8	4	5.26	<13	PASS
	8	7	4.23	<13	PASS
litte:	15	0	3.06	<13	PASS
	O M. H. J. M.	15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 0 1 0 1 7 1 14 8 0 8 4 8 7 15 0 1 0 1 7 1 14 HCH 8 0 8 4 8 7	15 0 4.70 1 0 4.20 1 7 4.17 1 14 4.83 MCH 8 0 2.88 8 4 3.38 8 7 4.00 15 0 4.50 1 0 5.02 1 7 4.55 1 14 4.01 HCH 8 0 4.09 8 4 5.26 8 7 4.23	15

Channel Bandwidth: 5 MHz

			Channel	Bandwidth: 5 MHz		
Modulation	Channel		figuration	Peak-to-Average Ratio	Limit	Verdict
35 NeSte		Size	Offset	[dB]	[dB]	54.00
		1	0	3.22	<13	PASS
	line	1	12	3.84	<13	PASS
	The War Marce	1/ Will Comple	24	4.41	<13	PASS
	LCH	12	0	3.81	<13	PASS
	C ₁	12	6	4.41	<13	PASS
		12	13	3.87	<13	PASS
	The Management of the Manageme	25	1 0	8 5.56 5.56	<13	PASS
	(8) A John of Global	19	²⁰⁰ 0	4.16	<13	PASS
QPSK	S Allesto		12	4.75	<13	PASS
QPSN		1	24	3.38	<13	PASS
	MCH	12	0	4.67	<13	PASS
	bijance Ans	12	6 6 more con	4.12	<13	PASS
		12	13	3.89	<13	PASS
		25	0	3.38	<13	PASS
		1	0	5.69	<13	PASS
litte:	нон	1 4	12	4.12	<13	PASS
	HCH	1 Altestation	24	5.14	<13	PASS
	estation C.	12	0	3.09	<13	PASS

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The station of Glove	100	12	6	5.70	<13	PASS
		12	13	4.27	<13	PASS
	:101	25	Sh Com O	5.40	<13	PASS
hal Compilano	The Compliance	1 38 Augstation	0	3.59	<13	PASS
	n of Globa	1 ,	12	4.62	<13	PASS
		1	24	3.06	<13	PASS
	LCH	12	0	5.97	<13	PASS
	· 大	12	6	4.86	<13	PASS
	® Figure of Globs	12	13	5.27	<13	PASS
	C ATTO	25	0	3.76	<13	PASS
		1 🐘	0	4.12	<13	PASS
	The NET Compliance	Th 1 Compliance	12	4.98	<13	PASS
	ion of Gio	estation of 1	24	4.74	<13	PASS
16QAM	MCH	12	0	4.69	<13	PASS
		12	6	3.43	<13	PASS
	litte:	12	13	4.33	<13	PASS
	The Compliance	25	0	4.69	<13	PASS
	station of Gio	- 01	0	4.16	<13	PASS
		1	12	4.87	<13	PASS
		- <u>1</u>	24	5.54	<13	PASS
	HCH	12	0	4.40	<13	PASS
	® ## Station of Cir	12	6	5.87	<13	PASS
	G F	12	13	4.54	<13	PASS
		25	0	4.66	<13	PASS

Channel Bandwidth: 10 MHz

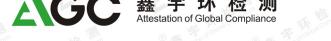
			Channel	Bandwidth: 10 MHz		
Modulation	Channel	RB Confi	guration	Peak-to-Average Ratio	Limit	Verdict
Modulation	Chamilei	Size	Offset	[dB]	[dB]	verdict
The Compile	(R) Attestation of	1 Milesto	0	3.44	<13	PASS
		91	24	3.63	<13	PASS
		1 -30	49	3.96	<13	PASS
74.5 15.14	♠ LCH	25	0 1	3.41	<13	PASS
ODCK	(b)	25	12	3.25	<13	PASS
QPSK	C ₁ C ₁	25	25	4.33	<13	PASS
		50	0	4.15	<13	PASS
-11	:1111	1	The One	3.25	<13	PASS
K Kinglance	MCH	15	24	3.20	<13	PASS
Report Con.	Station of Globa	- C1 "	49	3.44	<13	PASS

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El Comp.		Attes	Altesta		-all	
station of Glove		25	0	4.28	<13	PASS
		25	12	4.03	<13	PASS
	7[1]	25	25	3.49	<13	PASS
	The Compliance	50	0	4.00	<13	PASS
	n of Glov	1	0	3.12	<13	PASS
		1	24	3.46	<13	PASS
	: 1/11/	<u> </u>	49	3.11	<13	PASS
	HCH	25	0	3.25	<13	PASS
	® The station of Globs	25	12	3.36	<13	PASS
	G Ame	25	25	4.24	<13	PASS
	1111	50	0	3.77	<13	PASS
	The Mile Compliance	The Compliance	0	3.63	<13	PASS
	Con of Gib	a station of Gio	24	3.36	<13	PASS
	CO	1.6	49	3.12	<13	PASS
	LCH	25	0	3.21	<13	PASS
	:10	25	12	3.15	<13	PASS
	The Compliance	25	25	3.23	<13	PASS
	Station of Globb	50	0	4.28	<13	PASS
		1	0	3.42	<13	PASS
		- <u>199</u> 1	24	3.29	<13	PASS
	, J	i de Complianos 1	49	3.45	<13	PASS
16QAM	MCH	25	0	3.20	<13	PASS
		25	12	4.69	<13	PASS
	in	25	25	4.41	<13	PASS
	The Suppliance	50	0	4.22	<13	PASS
	n of Global	Marketon 1	0	3.89	<13	PASS
	GC	1	24	3.13	<13	PASS
		_{sal} 1	49	3.41	<13	PASS
	HCH	25	0	3.36	<13	PASS
	® # Jon of Global	25	12	4.16	<13	PASS
	S Allesta	25	25	3.79	<13	PASS
		50	0	4.63	<13	PASS

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LTE BAND 7
Channel Bandwidth: 5 MHz

			Channel	Bandwidth: 5 MHz		
Modulation	Channel	RB Confi	guration	Peak-to-Average Ratio	Limit	Verdict
viodulation	Charlie	Size	Offset	[dB]	[dB]	Verdici
60		1	0 💉	4.32	<13	PASS
梅	suce, Kg	1	12	4.26	<13	PASS
The State of Court	F Thomas	1	24	4.25	<13	PASS
Allestation	LCH	12	0	4.44	<13	PASS
		12	6	4.77	<13	PASS
	KE DIMONOS	12	13	4.69	<13	PASS
(P. A.	Foot Clopal Coll.,	25	© O Tropicional	5.07	<13	PASS
- C		testation 1	0	4.33	<13	M PASS
	CO	1.0	12	4.46	<13	PASS
		1	24	4.35	<13	PASS
QPSK	MCH	12	Andreal Control	4.96	<13	PASS
Compliance	Jalion of Global Compiles	12	6	4.88	<13	PASS
Alle		12	13	4.72	<13	PASS
GO		25	0	5.07	<13	PASS
1 1	<u> </u>	超 1001	O Jelopalcon	4.43	<13	PASS
The Kill Compile	小学师	oal Conv	12	5.03	<13	PASS
Alte station of Gran	нсн	10	24	4.16	<13	PASS
		12	0	4.89	<13	PASS
		12	6	4.63	<13	PASS
10	The KEL compilance	12	13	4.72	<13	PASS
® Milestati	Not Co.	25	0	5.13	<13	PASS
90		1	0	5.17	<13	PASS
		1 1	12	5.23	<13	PASS
	天 天 Thomas	omplant 1	24	5.13	<13	PASS
A Compliance	LCH	12	0	5.49	<13	PASS
. G	9	12	6	5.47	<13	PASS
		12	13	5.55	<13	PASS
16QAM	-1111	25	0 1	5.86	<13	PASS
The Chopal Cos	loppa.	A challon of Globa	0	5.26	<13	PASS
Affestation of Grand	C.C	1 6	12	5.31	<13	PASS
	MOLL	1	24	4.97	<13	PASS
	MCH	12	(T	5.13	<13	PASS
KI milance	The Compliance	12	6	5.15	<13	PASS
el Conn	Fign of Global Co.	12	13	5.66	<13	PASS

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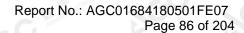
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100	25	0	5.89	<13	PASS
	1	0	5.29	<13	PASS
	1 4	12	5.22	<13	PASS
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24	5.13	<13	PASS
HCH	12	0	5.64	<13	PASS
	12	6	5.43	<13	PASS
	12	13	5.57	<13	PASS
	25	0	5.91	<13	PASS
	HCH	HCH 12 12 12 12	HCH 12 0 12 6 12 13	HCH 12 0 5.29 1 12 5.22 1 24 5.13 HCH 12 0 5.64 12 6 5.43 12 13 5.57	HCH 12 0 5.29 <13 1 12 5.22 <13 1 24 5.13 <13 HCH 12 0 5.64 <13 12 6 5.43 <13 12 13 5.57 <13

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz								
Modulation	Channel	RB Conf Size	iguration Offset	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict		
		1	.0	4.31	<13	PASS		
	-Till	1	24	4.28	<13	PASS		
	The Compliance	®1 5 Jation of	49	4.28	<13	PASS		
	LCH	25	0	4.52	<13	PASS		
		25	12	4.59	<13	PASS		
		25	25	4.64	<13	PASS		
) 5	50	0	5.01	<13	PASS		
	® Francisco of Giv	1	0	4.53	<13	PASS		
	C MILES	1	24	4.15	<13	PASS		
		1	49	4.31	<13	PASS		
QPSK	MCH	25	0 %	4.84	<13	PASS		
	Wol Clopsy Co.,	25	12	4.66	<13	PASS		
	CO	25	25	4.78	<13	PASS		
		50	0	5.03	<13	PASS		
	K #	implance 1	T. 0	© 4.27	<13	PASS		
	® A mion of Global C	19 5 3	24	4.21	<13	PASS		
	Allesto		49	4.18	<13	PASS		
	НСН	25	0	4.39	<13	PASS		
	-111	25	12	4.46	<13	PASS		
	Oppose Mrs	25	25	4.78	<13	PASS		
		50	0	5.15	<13	PASS		
Attes		1	0	5.07	<13	PASS		
		1	24	4.89	<13	PASS		
16QAM	LCH	1 3	49	4.91	<13	PASS		
	F of Global Comp.	25	0	5.78	<13	PASS		
	estation	25	12	5.37	<13	PASS		

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	25	25	5.53	<13	PASS
	50	0	5.82	<13	PASS
Line:	1 %	A Global Comp	5.15	<13	PASS
The Compliance	1 % station	24	5.16	<13	PASS
h of Globa.	1 .	49	5.06	<13	PASS
MCH	25	0	5.13	<13	PASS
<u>M</u>	25	12	5.24	<13	PASS
机	25	25	5.66	<13	PASS
® Station of Globs	50	0	5.87	<13	PASS
9	1	0	5.14	<13	PASS
1111	1 :	24	5.42	<13	PASS
* The KEL compliance	The Compliance	49	5.04	<13	PASS
HCH	25	0	5.28	<13	PASS
CO	25	12	5.44	<13	PASS
	25	25	5.58	<13	PASS
177	50	r 10	5.91	<13	PASS
	O M. H. J. M.	50 1 1 1 1 1 25 25 25 50 1 1 1 1 1 1 1 25 25 25 25 25	50 0 1 0 1 24 1 49 1 49 25 0 25 12 25 25 50 0 1 0 1 24 1 49 HCH 25 0 25 12 25 12 25 25	50 0 5.82 1 0 5.15 1 24 5.16 1 49 5.06 1 25 0 5.13 25 12 5.24 25 25 5.66 50 0 5.87 1 0 5.14 1 24 5.42 1 49 5.04 HCH 25 0 5.28 25 12 5.44 25 25 5.58	SO O S.82 <13

Channel Bandwidth: 15 MHz

			Channel	Bandwidth: 15 MHz		
Modulation	Channel	RB Conf Size	iguration Offset	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
Allesto	, C	1	0	4.28	<13	PASS
	-11	1	37	4.24	<13	PASS
	Karapianos Ain	The Compliance	74	4.33	<13	PASS
	LCH	37	0	4.25	<13	PASS
	C ₁ C	37	18	4.29	<13	PASS
		37	38	4.64	<13	PASS
	T. X	75	0	5.21	<13	PASS
	® Fraign of Global	19 5	0	4.38	<13	PASS
ODOK	Attesta		37	4.33	<13	PASS
QPSK		1	74	4.32	<13	PASS
	MCH	37	0	4.37	<13	PASS
	bijance Min	37	18	4.77	<13	PASS
	8	37	38	4.72	<13	PASS
	(C)	75	0	5.17	<13	PASS
		1	0	4.08	<13	PASS
litte:	нсн	1 4	37	4.21	<13	PASS
		1 Milestanon	74	4.12	<13	PASS
oba (S)	astation of	37	0	4.39	<13	PASS

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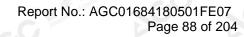


FW Combin		Affes	Attesta		in lin-	
A station of Globa		37	18	4.85	<13	PASS
		37	38	4.83	<13	PASS
	lin:	75	Sylven Could	5.34	<13	PASS
hal Compliano	The Compliance	1 36 Allestation	0	5.02	<13	PASS
	on of Globa	0 1	37	5.11	<13	PASS
		1	74	4.81	<13	PASS
	LCH	37	0	5.33	<13	PASS
	Sanco Fr	37	18	5.49	<13	PASS
	® station of Globa	37	38	5.48	<13	PASS
	G Alle	75	0	5.88	<13	PASS
		1 👊	0	5.18	<13	PASS
	E K KE Compliance	Th 1 1/2 Compliance	37	5.15	<13	PASS
	tion of Give	astation of 1	74	4.96	<13	PASS
16QAM	MCH	37	0	5.36	<13	PASS
		37	18	5.39	<13	PASS
	litt:	37	38	5.56	<13	PASS
	That compliance	75	0	5.93	<13	PASS
	Jajon of Giv	F_Q1	0	4.63	<13	PASS
		1	37	4.19	<13	PASS
	4	: <u>;</u> ;[] 1	74	5.03	<13	PASS
	HCH	37	0	5.31	<13	PASS
	® Mestation of G	37	18	5.49	<13	PASS
	, C	37	38	5.73	<13	PASS
		75	0	6.04	<13	PASS

Channel Bandwidth: 20 MHz

			Channel	Bandwidth: 20 MHz		
Modulation	Channal	RB Confi	guration	Peak-to-Average Ratio	Limit	Verdict
Modulation	Channel	Size	Offset	[dB]	[dB]	verdict
of Global	C Allee	6.1	0	4.25	<13	PASS
		1	49	4.44	<13	PASS
	-all	1 1	99	4.32	<13	PASS
不懂	LCH	50	® O Final Glor	4.25	<13	PASS
QPSK		50	25	4.36	<13	PASS
QPSK		50	50	4.74	<13	PASS
		100	0	5.01	<13	PASS
	15 m	1 4	Clopal Count	4.36	<13	PASS
A TEL Compliance	MCH	1 Mastation	49	4.48	<13	PASS
	estation	1	99	4.15	<13	PASS

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The station of Globs		50	0	4.28	<13	PASS
		50	25	4.36	<13	PASS
	liti:	50	50	4.68	<13	PASS
	The Compliance	100	0	4.96	<13	PASS
	Vot Glory	0 1	0	4.13	<13	PASS
		1	49	4.23	<13	PASS
	<u> </u>	<u> </u>	99	4.19	<13	PASS
	HCH	50	0	4.84	<13	PASS
	® station of Globe.	50	25	4.69	<13	PASS
	S And	50	50	4.87	<13	PASS
		100 🔬	0	5.26	<13	PASS
	TA Compliano	TIN Compliance	0 1	4.92	<13	PASS
	ion of Giv	Station of City	49	4.58	<13	PASS
	CO	1 (99	4.85	<13	PASS
	LCH	50	0	5.25	<13	PASS
	LITT:	50	25	5.55	<13	PASS
	The Compliance	50	50	5.52	<13	PASS
	Jalion of Globs	100	0	5.81	<13	PASS
		1	0	5.07	<13	PASS
		1 1	49	5.46	<13	PASS
	300 五	1	99	4.98	<13	PASS
16QAM	MCH	50	0	5.92	<13	PASS
		50	25	5.74	<13	PASS
	-711	50	50	5.58	<13	PASS
	TK KE THE	100	0 8	5.79	<13	PASS
	U Of Glops,	9 1	0	4.84	<13	PASS
	~ GO	1	49	5.33	<13	PASS
		1	99	5.14	<13	PASS
	HCH	50	10	5.31	<13	PASS
	® # Global	50	25	5.28	<13	PASS
	G Allesto	50	50	5.68	<13	PASS
		100	0	6.02	<13	PASS

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LTE BAND 25 Channel Bandwidth: 1.4 MHz

			Channel E	Bandwidth: 1.4 MHz		
\ A	01 1	RB Confi	guration	Peak-to-Average Ratio	Limit	., .,
Modulation	Channel	Size	Offset	(dB)	(dB)	Verdict
6		1	0 1	8.36	<13	PASS
检验		1 1	8 3 d Cool	7.96	<13	PASS
FA of Global Comb		o ^{mpo} 1	5	8.43	<13	PASS
Allestation	LCH	3	0	8.44	<13	PASS
(G)		3	2	8.16	<13	PASS
		3	3	8.48	<13	PASS
0 7		6	(O 0 00000	8.49	<13	PASS
Allest		estation 1	0	4.44	<13	M PASS
0		1	3	4.31	<13	PASS
		1	5	4.47	<13	PASS
QPSK	MCH	3	Maria Control O ® 4	4.59	<13	PASS
Compliance	The state of the s	3	2	4.33	<13	PASS
Alle		3	3	4.57	<13	PASS
GO		6	0	5.17	<13	PASS
il.	À	AND THE PERSON NAMED IN COLUMN TO PERSON NAM	0	4.61	<13	PASS
The Kill Compile		al Consell	3	5.02	<13	PASS
testation of Glob	нсн	10	5	4.41	<13	PASS
		3	0	5.30	<13	PASS
		3	2	4.96	<13	PASS
20		3	3	4.46	<13	PASS
® Attestall		6	0	5.24	<13	PASS
		1	0	8.47	<13	PASS
		1 1	3	7.99	<13	PASS
line of		ompilaria 1	3 A Common 5	8.41	<13	PASS
obal Compliance	LCH	3	0	6.96	<13	PASS
~ G		3	2	6.48	<13	PASS
		3	3	6.36	<13	PASS
16QAM		6	0_1	8.44	<13	PASS
The Transfer	(B) A	E tallor of 1	0	5.17	<13	PASS
Attestation of Gin		1 (3	8.01	<13	PASS
		1	5	5.06	<13	PASS
- 1	MCH	3	0	4.96	<13	PASS
KEZ Dilance		3	2	5.65	<13	PASS
al Court		3	3	5.45	<13	PASS

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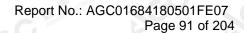
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The station of Global		6	0	6.01	<13	PASS
Attec		1	0	5.08	<13	PASS
1111	LITE:	1 🦸	3	5.69	<13	PASS
K MEL Compliance	The Compliance	1	5	5.06	<13	PASS
Glor ® ## stall	HCH	3	0	5.11	<13	PASS
CO A		3	2	5.79	<13	PASS
	<u>in</u>	3	3	5.34	<13	PASS
The Kill County	anco The Mark	impliance 6	0	6.14	<13	PASS

Channel Bandwidth: 3 MHz

			Channel	Bandwidth: 3 MHz		
Modulation	Channel	RB Conf Size	iguration Offset	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		1	0	8.52	<13	PASS
	illic	1 -	7	8.13	<13	PASS
	The Compliance	®1 talion of	14	8.48	<13	PASS
	LCH	8	0	8.22	<13	PASS
		8	4	8.36	<13	PASS
			7 派	8.42	<13	PASS
	3. 3h	15	0	8.39	<13	PASS
	® Managarion of City	1	0	4.44	<13	PASS
	C AMO	1	7	5.00	<13	PASS
		1 -	14	4.51	<13	PASS
QPSK	MCH	8	0 %	5.01	<13	PASS
	u of Glopal Co.	8	4	5.15	<13	PASS
	CO	8	7	4.96	<13	PASS
		15	0	5.16	<13	PASS
	1 1	Inneliance 1	0	4.73	<13	PASS
	® A silon of Global C	1 %	n ^d 7	4.36	<13	PASS
	Allesto	G (1)	14	4.07	<13	PASS
	HCH	8	0	5.02	<13	PASS
	-111	8	4	4.59	<13	PASS
	Oppose Amin	8	® 7 Jonal Glot	5.07	<13	PASS
		15	0	5.34	<13	PASS
Attes		1	0	8.55	<13	PASS
		1	7.0	8.49	<13	PASS
16QAM	LCH	1 4	14 💿	8.45	<13	PASS
	F of Global Company	8	0	7.96	<13	PASS
	estation	8	4	8.00	<13	PASS

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	8	7	8.42	<13	PASS
	15	0	8.36	<13	PASS
Line:	1 #	Clapsic com O	5.22	<13	PASS
The Compliance	1 Attestation	7	4.96	<13	PASS
h of Globa.	1 .	14	5.12	<13	PASS
MCH	8	0	4.39	<13	PASS
砌	<u> </u>	4	5.12	<13	PASS
arco Th	8	7	5.82	<13	PASS
® Station of Globs	15	0	6.11	<13	PASS
9 "	1	0	5.17	<13	PASS
	1 :	7	5.69	<13	PASS
The Williams	TIM Compliance	14	4.61	<13	PASS
HCH	8	0	5.31	<13	PASS
- CO	8	4	6.12	<13	PASS
	8	7	6.19	<13	PASS
litte:	15	0	6.23	<13	PASS
	O M. H. J. J.	15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 0 1 0 1 7 1 14 MCH 8 0 8 4 8 7 15 0 1 0 1 7 1 14 HCH 8 0 8 4 8 7	15 0 8.36 1 0 5.22 1 7 4.96 1 14 5.12 MCH 8 0 4.39 8 4 5.12 8 7 5.82 15 0 6.11 1 0 5.17 1 7 5.69 1 14 4.61 HCH 8 0 5.31 8 4 6.12 8 7 6.19	15

Channel Bandwidth: 5 MHz

			Channel	Bandwidth: 5 MHz		
Modulation	Channel	RB Conf Size	figuration Offset	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
Attesto	0 "	1	0	8.55	<13	PASS
	711	1	12	7.89	<13	PASS
	Kin plance	1/ KEL COMPAN	24	8.44	<13	PASS
	LCH	12	0	8.01	<13	PASS
	C ₁ C	12	6	7.59	<13	PASS
		12	13	8.41	<13	PASS
	1 ×	25	0	8.42	<13	PASS
	(8) A John of Global	19 3	0	4.45	<13	PASS
ODOK	Attesta		12	4.36	<13	PASS
QPSK		1	24	4.46	<13	PASS
	MCH	12	0	4.25	<13	PASS
	bijance Jim	12	6 6 mar God	4.92	<13	PASS
	8 4	12	13	4.80	<13	PASS
	100	25	0	5.15	<13	PASS
700		1	0	4.82	<13	PASS
		1 4	12	4.33	<13	PASS
	HCH	1 Allestation	24	4.36	<13	PASS
	astation of	12	0	4.39	<13	PASS

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EK Compile		Attesta	Attestation		tion little	
	100	12	6	4.5	<13	PASS
		12	13	5.18 San Market	<13	PASS
	LITT:	25	Clopal Com 0	5.57	<13	PASS
bal Compilano	The Compliance	1 Milestation	0	8.42	<13	PASS
	Not Clops.	1 .	12	7.56	<13	PASS
		1	24	8.47	<13	PASS
	LCH	<u>12</u>	0	7.45	<13	PASS
	ance EK	12	6	7.36	<13	PASS
	® Fation of Globe	12	13	8.38	<13	PASS
	Alto	25	0	8.43	<13	PASS
	100	1 -111	0	5.05	<13	PASS
	The MEL Compliance	EK1 KEL polianos	12	5.11	<13	PASS
	lion of Gib	station of Giv	24	5.03	<13	PASS
16QAM	MCH	12	0	4.59	<13	PASS
		12	6	5.31	<13	PASS
	EUE:	12	13	5.68	<13	PASS
	The Compliance	25	0	5.96	<13	PASS
	Station of Gill	r, U1	0	5.50	<13	PASS
		1	12	5.11	<13	PASS
		- 5JIA 1	24	5.06	<13	PASS
	HCH 🕠	12	0	5.28	<13	PASS
	® Marketation of Cal	12	6	5.39	<13	PASS
	C M	12	13	6.09	<13	PASS
		25	0	6.38	<13	PASS

Channel Bandwidth: 10 MHz

			Channel	Bandwidth: 10 MHz		
Modulation	Channal	RB Confi	guration	Peak-to-Average Ratio	Limit	Verdict
Modulation	Channel	Size	Offset	[dB]	[dB]	verdict
LCH	C Allee	69	0	8.33	<13	PASS
		1	24	8.42	<13	PASS
	-all	1 1	49	8.50	<13	PASS
	LCH	25	© O Jon of Glor	7.59	<13	PASS
QPSK		25	12	8.00	<13	PASS
QPSK		25	25	8.48	<13	PASS
		50	0	8.39	<13	PASS
litte -	KE JUNE	1 4	Clopal Court	4.57	<13	PASS
A TEL Compliance	MCH	1 Alfostation	24	5.12	<13	PASS
	estation	1	49	4.51	<13	PASS

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The station of Glove	100	25	0	5.13	<13	PASS
		25	12	5.06	<13	PASS
	LIE.	25	25	4.91	<13	PASS
	The Compliance	50	0	5.05	<13	PASS
	n of Glov	1	0	4.66	<13	PASS
		1	24	4.15	<13	PASS
	: 111/	<u> </u>	49	4.37	<13	PASS
	HCH	25	0	4.59	<13	PASS
	® ## Station of Globs	25	12	4.63	<13	PASS
	G And	25	25	5.15	<13	PASS
	line of	50	0	5.43	<13	PASS
	The Management	The Compliance	0	8.49	<13	PASS
	to of Go	a station of 1	24	8.64	<13	PASS
	- C3C	1.6	49	8.49	<13	PASS
	LCH	25	0	7.59	<13	PASS
	LUIE:	25	12	7.18	<13	PASS
	The Kill Compliance	25	25	8.29	<13	PASS
	tation of Glov	50	0	8.44	<13	PASS
		1	0	5.46	<13	PASS
		1	24	5.11	<13	PASS
	, co	1 Compliant 1	49	5.36	<13	PASS
16QAM	MCH	25	0	5.16	<13	PASS
		25	12	5.35	<13	PASS
		25	25	5.73	<13	PASS
	The Compilance	50	0 %	5.94	<13	PASS
	n of Global	1	0	5.17	<13	PASS
	- GO	1	24	4.98	<13	PASS
		1	49	4.93	<13	PASS
	HCH	25	1 0	5.32	<13	PASS
	® # talion of Globs	25	12	5.16	<13	PASS
	G Alles	25	25	6.22	<13	PASS
		50	0	6.44	<13	PASS

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Channel Bandwidth: 15 MHz

		3	Channel E	Bandwidth: 15 MHz	® Mestation of	Attestati
Modulation	Channel	RB Confi	<u> </u>	Peak-to-Average Ratio	Limit	Verdict
Modulation	Onamici	Size	Offset	[dB]	[dB]	Volution
Alfestall		1	0	8.41	<13	PASS
	nl	1	37	7.87	<13	PASS
~ 恒	ance F	in 1	74	8.45	<13	PASS
The son of Global Con.	LCH	37	0	7.98	<13	PASS
Attestand	Allestation	37	18	7.94	<13	PASS
		37	38	8.44	<13	PASS
	To He This was	75	0	8.34	<13	PASS
® Bu	F Clopal Co.	FA Gio al Comb	® John of Globs	4.52	<13	PASS
Allesti Allesti		astation 1	37	5.03	<13	PASS
O		1	74	4.66	<13	PASS
QPSK	MCH	37	0	4.59	<13	PASS
	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	37	18	4.38	<13	PASS
Compliance	F of Global Comp.	37	38	4.92	<13	PASS
All	Station	75	0	5.36	<13	PASS
Co		1	0	4.76	<13	PASS
J. 7	A	AST THE	37	5.33	<13	PASS
The KE Compile		1	74	4.41	<13	PASS
Attestation of G.	HCH	37	0	5.15	<13	PASS
		37	18	5.18	<13	PASS
	A AM	37	38	5.21	<13	PASS
The state of the s	The Moderation of the Market o	75	0	5.65	<13	PASS
® Allestall	no.	Allestalla 1	0	8.41	<13	PASS
30		1	37	8.36	<13	PASS
		1 1	74	8.38	<13	PASS
	LCH	37	of Chopal Co	8.44	<13	PASS
h Kil Compliance	® Allestation of Car	37	18	8.47	<13	PASS
		37	38	8.43	<13	PASS
400 484		75	0	8.34	<13	PASS
16QAM		The Compliance	0	5.25	<13	PASS
The Tel	pliance ®	Tation of Global	37	5.58	<13	PASS
Attestation of Gin	CC T	1	74	5.22	<13	PASS
	МСН	37	0	5.23	<13	PASS
	:111	37	18	5.28	<13	PASS
KI TIME	The Compliance	37	38	5.86	<13	PASS
oal Court	ion of Global	75	0	6.22	<13	PASS

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The dation of Glove	100	10	0	5.88	<13	PASS
Arte		1	37	5.74	<13	PASS
孤	1111	1 4	74	4.89	<13	PASS
A KE Compliance	HCH	37	0	4.25	<13	PASS
© # stal	on of Globa	37	18	6.11	<13	PASS
CC AND		37	38	6.21	<13	PASS
	<i>III</i>)	75	O Thomas	6.32	<13	PASS

Channel Bandwidth: 20 MHz

			Channel	Bandwidth: 20 MHz		
Modulation	Channel	RB Confi	guration	Peak-to-Average Ratio	Limit	Verdict
IVIOGUIALION	Channel	Size	Offset	[dB]	[dB]	verdict
60	CO	1.0	0	8.52	<13	PASS
		1	49	7.89	<13	PASS
	-711/1	1 🖪	99	8.46	<13	PASS
	LCH	50	0	7.45	<13	PASS
	tation of Globb	50	25	7.64	<13	PASS
		50	50	8.41	<13	PASS
		100	0 5	8.53	<13	PASS
	· In	a Compliance	1 1 1 1 1 1 1 1 1 1	4.78	<13	PASS
	® Stallon of Gir	100	49	5.00	<13	PASS
		1	99	4.63	<13	PASS
QPSK	MCH	50	0	4.96	<13	PASS
	* Historiance	50	25	4.58	<13	PASS
	Wol. Clopsico.	50	50	4.84	<13	PASS
	GO	100	0	5.23	<13	PASS
		1	0,00	4.82	<13	PASS
	The state of the s	Implence 1	49	5.03	<13	PASS
	® The mion of Global C	18 5	99	4.46	<13	PASS
	HCH	50	0	4.96	<13	PASS
		50	25	5.03	<13	PASS
	erall.	50	50	5.08	<13	PASS
	Office Co.	100	© O Jonal Glar	5.37	<13	PASS
3 May Julion of Globar		Interstation 1	0	8.35	<13	PASS
		1	49	7.99	<13	PASS
16QAM	LCH	1	99	8.39	<13	PASS
IOQAIVI	LUH	50	Global Com	8.21	<13	PASS
	F of Global Compile	50	25	8.46	<13	PASS
	estation	50	50	8.41	<13	PASS

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The station of Glove	100	100	0	8.39	<13	PASS
		1	0	5.34	<13	PASS
	LIDE:	1 %	49	5.36	<13	PASS
	The Compliance	1 mustation	99	5.72	<13	PASS
	MCH	50	0	6.11	<13	PASS
		50	25	5.69	<13	PASS
	: 100	₃₀ 50	50	5.73	<13	PASS
	np ance	100	0	6.03	<13	PASS
	® station of GIV	10	0	5.76	<13	PASS
	G AM	1	49	5.36	<13	PASS
		1 👊	99	5.43	<13	PASS
	HCH	50	0	5.42	<13	PASS
	strion of Giv	50	25	5.69	<13	PASS
	CO	50	50	6.04	<13	PASS
		100	0	6.2	<13	PASS

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7. SPURIOUS EMISSION

7.1 CONDUCTED SPURIOUS EMISSION

7.1.1 MEASUREMENT METHOD

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is 43 + log10(P[Watts]), where P is the transmitter power in Watts.

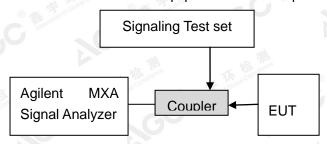
Test Procedure Used KDB 971168 D01v03 – Section 6.0

Test Settings

- 1. Start frequency was set to 30MHz and stop frequency was set to at least 10 * the fundamental frequency (separated into at least two plots per channel)
- 2. Detector = RMS
- 3. Trace mode = max hold
- 4. Sweep time = auto couple
- 5. The trace was allowed to stabilize
- 6. Please see test notes below for RBW and VBW settings

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Test Instrument & Measurement Setup

shall be attenuated below the transmitter power (P, in Watts) by at least 43+10Log(P) dB. For all power levels +30 dBm to 0 dBm, this becomes a constant specification limit of -13 dBm.

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Test Note

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. 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 emission are attenuated at least 26 dB below the transmitter power.

7.1.2 MEASUREMENT RESULT

PLEASE REFER TO: APPENDIX A TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION

Note: 1. No emission found in standby or receive mode, no recording in this report.

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7.2 RADIATED SPURIOUS EMISSION

7.2.1. MEASUREMENT PROCEDURE

- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

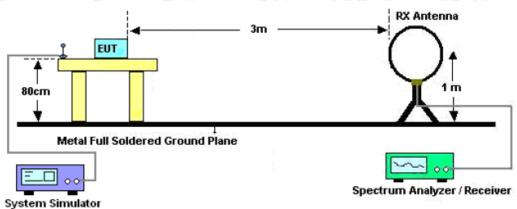
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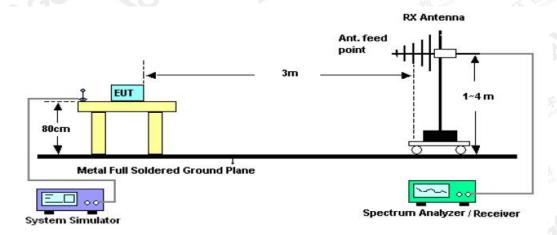


7.2.2. TEST SETUP

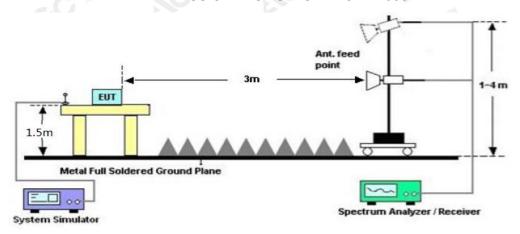
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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7.2.3 PROVISIONS APPLICABLE

(a) On any frequency outside a licensee's frequency block (e.g. A, D, B, etc.) within the USPCS spectrum, the power of any emission shall be attenuated below the transmitter power (P, in Watts) by at least 43+10Log(P) dB. The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

Note: Only record the worst condition of each test mode:

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7.2.4 MEASUREMENT RESULT

LTE Band 2 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3720	V	-34.63	-13	-21.63
748.3	Andrews V Same	-38.87	-13	-25.87
257.2	V	-44.53	-13	-31.53
3720	Н	-33.37	-13	-20.37
640.2	H	-40.49	-13	-27.49
221.4	The Hance	-43.99	-13	-30.99

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3760	V	-35.24	-13	-22.24
533.1	V	-40.90	-13	-27.90
256.5	V	-40.45	-13	-27.45
3760	H H	-36.12	-13	-23.12
850.2	H	-42.30	-13	-29.30
451.4	Н	-42.76	-13	-29.76

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3800	V I	-35.57	-13	-22.57
611.1	ornalizarios V F This cor	-40.87	-13	-27.87
256.5	V	-41.94	-13	-28.94
3800	Н	-34.35	-13	-21.35
586.2	H	-40.22	-13	-27.22
351.4	The House	-41.30	-13	-28.30

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LTE Band 4 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3440	V	-34.68	-13	-21.68
896.6	V	-41.14	-13	-28.14
487.5	Angliance V S The state of the	-41.88	-13	-28.88
3440	(F)	-35.25	-13	-22.25
789.3	Н	-40.87	-13	-27.87
545.6	H	-40.64	-13	-27.64

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3465	V The company	-34.70	-13	-21.70
859.4	V	-40.81	-13	-27.81
765.9	V	-42.18	-13	-29.18
3465	Н	-34.54	-13	-21.54
564.5	H S	-39.96	-13	-26.96
265.9	HC Mass	-40.86	-13	-27.86

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3490	V	-34.12	-13	-21.12
687.4	10 V	-40.89	-13	-27.89
586.4	Omphan V F Chon con	-41.77	-13	-28.77
3490	H	-34.91	-13	-21.91
489.5	Н	-40.17	-13	-27.17
357.1	H	-41.14	-13	-28.14

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LTE Band 5 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1658	V	-35.33	-13	-22.12
564.5	V	-40.88	-13	-27.58
364.3	ormilance V Alleste	-42.34	-13	-28.39
1658	Н	-34.52	-13	-22.53
578.3	Н	-40.12	-13	-26.76
354.1	HA	-40.62	-13	-27.28

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1673	© Wand Global	-34.53	-13	-21.53
896.3		-41.09	-13	-28.09
784.1	V	-42.03	-13	-29.03
1673	H H	-35.35	-13	-22.35
564.1	H ®	-39.56	-13	-26.56
285.6	HO	-40.48	-13	-27.48

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1688	V	-34.40	-13	-21.40
563.5	Z. V K	-41.19	-13	-28.19
345.1	© V Globa	-41.31	-13	-28.31
1688	C H	-35.42	-13	-22.42
354.1	Н	-40.67	-13	-27.67
253.6	H	-41.36	-13	-28.36

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LTE Band 7 Low channel

Ţĸ ,G	Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
	3440	V	-36.61	-13	-23.61
	874.61	V	-41.42	-13	-28.42
	759.13	ormilance V Allesti	-43.39	-13	-30.39
® 48	3440	Н	-35.16	-13	-22.16
	549.66	Н	-40.86	-13	-27.86
	447.03	H	-41.53	-13	-28.53

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3465	© Wand Choose	-35.86	-13	-22.86
561.33	- O V	-41.78	-13	-28.78
436.16	V	-42.28	-13	-29.28
3465	Н	-35.57	-13	-22.57
343.66	Compliance H @	-40.52	-13	-27.52
289.44	HO	-41.95	-13	-28.95

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3490	V	-35.75	-13	-22.75
536.33	V K	-41.30	-13	-28.30
444.70	(S) V Marion of Globa	-42.20	-13	-29.20
3490	C H	-35.72	-13	-22.72
318.59	Н	-41.33	-13	-28.33
287.16	H	-42.43	-13	-29.43

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LTE Band 25 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3720	V	-34.92	-13	-21.92
865.5	V	-41.39	-13	-28.39
765.3	Ampliance V Samuel	-41.60	-13	-28.60
3720	H	-34.91	-13	-21.91
745.6	Н	-40.40	-13	-27.40
658.2	H	-40.20	-13	-27.20

Middle channel

30.051	732 1910			
Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3765	V Andread Comp	-35.26	-13	-22.26
653.2	V	-41.22	-13	-28.22
532.5	V	-41.30	-13	-28.30
3765	Н	-34.36	-13	-21.36
586.1	を H の ま	-39.87	-13	-26.87
483.2	H Alles	-41.10	-13	-28.10

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3810	V	-35.15	-13	-21.67
586.2	10 V	-40.76	-13	-27.50
486.1	Omplan V F The con	-42.32	-13	-28.49
3810	H	-34.65	-13	-22.28
352.6	Н	-39.52	-13	-27.47
258.6	H	-41.35	-13	-27.67

Note: 1. Margin = Emission Level -Limit

2. (30MHz-20GHz) Below 30MHZ no Spurious found and the QPSK modes is the worst condition.

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8. FREQUENCY STABILITY

8.1 MEASUREMENT METHOD

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of R&S CMW500 DIGITAL RADIO COMMUNICATION TESTER.

- Measure the carrier frequency at room temperature.
- Subject the EUT to overnight soak at -10°C. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on channel 20175 for LTE band 4 measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
- Repeat the above measurements at 10°C increments from -10°C to +50°C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.
- Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1 1/2 hours unpowered, to allow any self-heating to stabilize, before continuing.
- 5 Subject the EUT to overnight soak at +50°C.
- With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
- Repeat the above measurements at 10°C increments from +50°C to -10°C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.
- At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

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8.2 PROVISIONS APPLICABLE

8.2.1 For Hand carried battery powered equipment

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5 ppm) of the center frequency. For Part 24 and Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

8.2.2 For equipment powered by primary supply voltage

- 1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- 2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
- 3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

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8.3 MEASUREMENT RESULT (WORST)

LTE Band 2

	M	iddle Channel, f ₀ = 18	80 MHz	
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	711	-1.34	-0.000727	±2.5
0	The state of the s	-3.72	-0.001978	±2.5
10 8 A	Godal Co.	-2.46	-0.001289	±2.5
20		-0.87	-0.000472	±2.5
30	3.7	-0.06	-0.001956	±2.5
40	The Compliance	-0.90	-0.000487	±2.5
50	3) Martin of Globb	-1.16	-0.000626	±2.5
55		-1.02	-0.000549	±2.5
25	4.2	-0.13	-0.000070	e ±2.5
2 5	3.5	-3.91	-0.002077	±2.5

LTE Band 4

		Li L Dalla -	•			
Middle Channel, f ₀ = 1732.5 MHz						
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)		
-10		-0.23	-0.000134	±2.5		
0	-til	-2.50	-0.001445	±2.5		
10	The Compliance	-4.71	-0.002683	±2.5		
20	® ## throng clopal	-0.34	-0.002683	±2.5		
30	3.7	-2.73	-0.001557	±2.5		
40	Till.	-2.26	-0.001305	±2.5		
50	K tomplanes	-4.29	-0.002477	±2.5		
55	Globa (8) Affectation of	-3.02	-0.001742	±2.5		
100	4.2	-2.83	-0.001635	±2.5		
25	3.5	-4.03	-0.002300	±2.5		

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LTE Band 5

Middle Channel, f ₀ = 836.5 MHz					
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	
-10	-1111	-2.10	-0.002550	±2.5	
0	The Compliance	-1.07	-0.001283	±2.5	
10	3.7	-1.53	-0.001856	±2.5	
20		-0.46	-0.000547	±2.5	
30		-1.27	-0.001544	±2.5	
40	The Manual Complaince	-1.67	-0.002029	±2.5	
50	(S) The station of Gov	-2.47	-0.003001	±2.5	
55		-2.05	-0.002480	±2.5	
25	4.2	-0.20	-0.000239	±2.5	
25	3.5	-0.77 ₀	-0.000911	±2.5	

LTE Band 7

		Middle Channel, f ₀ = 25	535 MHz	
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10		1.19	0.000474	±2.5
0	TITI)	-3.71	-0.001462	±2.5
10	The Complete	2.29	0.000891	±2.5
@ 20 ma ^{d Globe}	(8) ## "Francisco"	1.00	0.000400	±2.5
30	3.7	-1.95	-0.000767	±2.5
40	lift;	-2.53	-0.000986	±2.5
50	The Compliance	2.93	0.001172	±2.5
Apple Complian 55	Attestation	2.98	0.001189	±2.5
100	4.2	4.19	0.001632	±2.5
25	3.5	1.59	0.000635	±2.5

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