

## FCC Test Report

### (PART 24)

**Report No.:** RF151222C07-1

**FCC ID:** V65C6743

**Test Model:** C6743

**Received Date:** Dec. 22, 2015

**Test Date:** Dec. 26, 2015 ~ Dec. 29, 2015

**Issued Date:** Jan. 15, 2016

**Applicant:** Kyocera Corporation c/o Kyocera Communications, Inc.

**Address:** 9520 Towne Centre Drive, Suite 200, San Diego, CA 92121

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan  
( R.O.C )

**Test Location (1):** No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan  
Hsien 333, Taiwan, R.O.C.

**Test Location (2):** No.215, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231, Taiwan,  
R.O.C



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## Table of Contents

<b>Release Control Record .....</b>	<b>3</b>
<b>1 Certificate of Conformity .....</b>	<b>4</b>
<b>2 Summary of Test Results .....</b>	<b>5</b>
2.1 Measurement Uncertainty .....	5
2.2 Test Site And Instruments .....	6
<b>3 General Information .....</b>	<b>7</b>
3.1 General Description of EUT .....	7
3.2 Configuration of System under Test .....	8
3.2.1 Description of Support Units .....	8
3.3 Test Mode Applicability and Tested Channel Detail .....	9
3.4 EUT Operating Conditions .....	12
3.5 General Description of Applied Standards .....	12
<b>4 Test Types and Results .....</b>	<b>13</b>
4.1 Output Power Measurement .....	13
4.1.1 Limits of Output Power Measurement .....	13
4.1.2 Test Procedures .....	13
4.1.3 Test Setup .....	14
4.1.4 Test Results .....	15
4.2 Frequency Stability Measurement .....	21
4.2.1 Limits of Frequency Stability Measurement .....	21
4.2.2 Test Procedure .....	21
4.2.3 Test Setup .....	21
4.2.4 Test Results .....	22
4.3 Occupied Bandwidth Measurement .....	23
4.3.1 Test Procedure .....	23
4.3.2 Test Setup .....	23
4.3.3 Test Result .....	24
4.4 Band Edge Measurement .....	28
4.4.1 Limits of Band Edge Measurement .....	28
4.4.2 Test Setup .....	28
4.4.3 Test Procedures .....	28
4.4.4 Test Results .....	29
4.5 Peak to Average Ratio .....	36
4.5.1 Limits of Peak to Average Ratio Measurement .....	36
4.5.2 Test Setup .....	36
4.5.3 Test Procedures .....	36
4.5.4 Test Results .....	37
4.6 Conducted Spurious Emissions .....	41
4.6.1 Limits of Conducted Spurious Emissions Measurement .....	41
4.6.2 Test Setup .....	41
4.6.3 Test Procedure .....	41
4.6.4 Test Results .....	42
4.7 Radiated Emission Measurement .....	44
4.7.1 Limits of Radiated Emission Measurement .....	44
4.7.2 Test Procedure .....	44
4.7.3 Deviation from Test Standard .....	44
4.7.4 Test Setup .....	44
4.7.5 Test Results .....	45
<b>5 Pictures of Test Arrangements .....</b>	<b>49</b>
<b>Appendix – Information on the Testing Laboratories .....</b>	<b>50</b>



A D T

### Release Control Record

Issue No.	Description	Date Issued
RF151222C07-1	Original Release	Jan. 15, 2016

## 1 Certificate of Conformity

**Product:** preface

**Brand:** Kyocera

**Test Model:** C6743

**Sample Status:** Identical Prototype

**Applicant:** Kyocera Corporation c/o Kyocera Communications, Inc.

**Test Date:** Dec. 26, 2015 ~ Dec. 29, 2015

**Standards:** FCC Part 24, Subpart E

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**Prepared by :** Evonne Liu, **Date:** Jan. 15, 2016  
Evonne Liu / Specialist

**Approved by :** Stanley Wu, **Date:** Jan. 15, 2016  
Stanley Wu / Assistant Manager

## 2 Summary of Test Results

Applied Standard: FCC Part 24 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 24.232	Effective Isotropic Radiated Power	Pass	Meet the requirement of limit.
2.1046 24.232(d)	Peak to Average Ratio	Pass	Meet the requirement of limit.
2.1055 24.235	Frequency Stability	Pass	Meet the requirement of limit.
2.1049 24.238(b)	Occupied Bandwidth	Pass	Meet the requirement of limit.
24.238(b)	Band Edge Measurements	Pass	Meet the requirement of limit.
2.1051 24.238	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 24.238	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -22.81 dB at 5647.50 MHz.

### 2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) ( $\pm$ )
Conducted Emissions at mains ports	150 kHz ~ 30 MHz	2.44 dB
Radiated Emissions up to 1 GHz	30 MHz ~ 200 MHz	2.0153 dB
	200 MHz ~ 1000 MHz	2.0224 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	1.0121 dB
	18 GHz ~ 40 GHz	1.1508 dB

## 2.2 Test Site And Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent Technologies	N9038A	MY52260177	May 19, 2015	May 18, 2016
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 17, 2015	Dec. 16, 2016
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Feb. 04, 2015	Feb. 04, 2016
HORN Antenna ETS-Lindgren	3117	00143293	Jan. 05, 2015	Jan. 04, 2016
Bluetooth Tester	CBT	100980	Apr. 27, 2015	Apr. 26, 2017
Loop Antenna	EM-6879	269	Jul. 31, 2015	Jul. 30, 2016
Agilent Communications Tester-Wireless	8960 Series 10	MY53201073	Jul. 03, 2015	Jul. 02, 2017
Preamplifier Agilent	310N	187226	Jun. 29, 2015	Jun. 28, 2016
Preamplifier Agilent	83017A	MY39501357	Jun. 29, 2015	Jun. 28, 2016
Power Meter Anritsu	ML2495A	1232002	Sep. 21, 2015	Sep. 20, 2016
Power Sensor Anritsu	MA2411B	1207325	Sep. 21, 2015	Sep. 20, 2016
RF signal cable ETS-LINDGREN	5D-FB	Cable-CH1-01(R FC-SMS-100-SM S-120+RFC-SMS -100-SMS-400)	Jun. 27, 2015	Jun. 26, 2016
RF signal cable ETS-LINDGREN	8D-FB	Cable-CH1-02(R FC-SMS-100-SM S-24)	Jun. 27, 2015	Jun. 26, 2016
Software BV ADT	E3 8.130425b	NA	NA	NA
Antenna Tower MF	NA	NA	NA	NA
Turn Table MF	NA	NA	NA	NA
Antenna Tower & Turn Table Controller MF	MF-7802	NA	NA	NA
Communications Tester-Wireless Agilent	8960 Series 10	MY53201073	Jul. 03, 2015	Jul. 02, 2017
Radio Communication Analyzer Anritsu	MT8820C	6201240432	Jul. 06, 2015	Jul. 05, 2017

- Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HsinTien Chamber 1.
3. The horn antenna and preamplifier (model: 83017A) are used only for the measurement of emission frequency above 1 GHz if tested.
4. The FCC Site Registration No. is 149147.
5. The IC Site Registration No. is IC7450I-1.

### 3 General Information

#### 3.1 General Description of EUT

<b>Product</b>	preface	
<b>Brand</b>	Kyocera	
<b>Test Model</b>	C6743	
<b>Status of EUT</b>	Identical Prototype	
<b>Power Supply Rating</b>	5.0 Vdc (adapter or host equipment) 3.8 Vdc (Li-ion battery)	
<b>Modulation Type</b>	CDMA	QPSK, OQPSK, HPSK
	LTE	QPSK, 16QAM
<b>Frequency Range</b>	CDMA	1851.3 ~ 1908.8 MHz
	LTE Band 25 (Channel Bandwidth: 1.4 MHz)	1850.7 ~ 1914.3 MHz
	LTE Band 25 (Channel Bandwidth: 3 MHz)	1851.5 ~ 1913.5 MHz
	LTE Band 25 (Channel Bandwidth: 5 MHz)	1852.5 ~ 1912.5 MHz
	LTE Band 25 (Channel Bandwidth: 10 MHz)	1855.0 ~ 1910.0 MHz
	LTE Band 25 (Channel Bandwidth: 15 MHz)	1857.5 ~ 1907.5 MHz
	LTE Band 25 (Channel Bandwidth: 20 MHz)	1860.0 ~ 1905.0 MHz
<b>Max. EIRP Power</b>	CDMA	370.68 mW
	LTE Band 25 (Channel Bandwidth: 1.4 MHz)	328.10 mW
	LTE Band 25 (Channel Bandwidth: 3 MHz)	385.48 mW
	LTE Band 25 (Channel Bandwidth: 5 MHz)	397.19 mW
	LTE Band 25 (Channel Bandwidth: 10 MHz)	395.37 mW
	LTE Band 25 (Channel Bandwidth: 15 MHz)	359.75 mW
	LTE Band 25 (Channel Bandwidth: 20 MHz)	380.19 mW
<b>Emission Designator</b>	CDMA	1M28F9W
	LTE Band 25 (Channel Bandwidth: 1.4 MHz)	1M09G7D
	LTE Band 25 (Channel Bandwidth: 3 MHz)	2M70G7D
	LTE Band 25 (Channel Bandwidth: 5 MHz)	4M50G7D
	LTE Band 25 (Channel Bandwidth: 10 MHz)	8M98G7D
	LTE Band 25 (Channel Bandwidth: 15 MHz)	13M4G7D
	LTE Band 25 (Channel Bandwidth: 20 MHz)	18M0G7D
<b>Antenna Type</b>	Fixed Internal Antenna	
<b>Accessory Device</b>	Refer to Note as below	
<b>Data Cable Supplied</b>	Refer to Note as below	

Note:

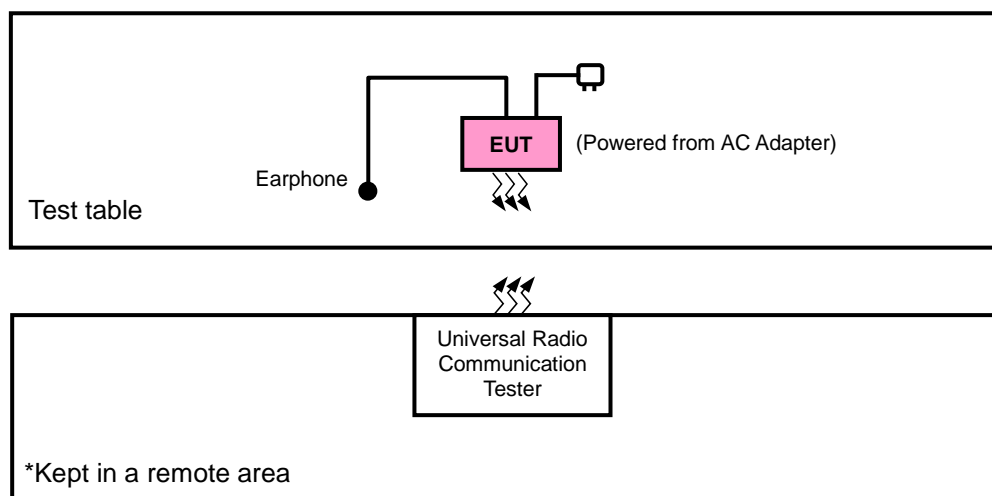
1. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter	KYOCERA	SCP-47ADT	I/P: 100-240Vac, 50/60Hz, 0.2A O/P: 5Vdc, 1A
USB Cable	KYOCERA	SCP-19SDC	0.5m shielded cable w/o core

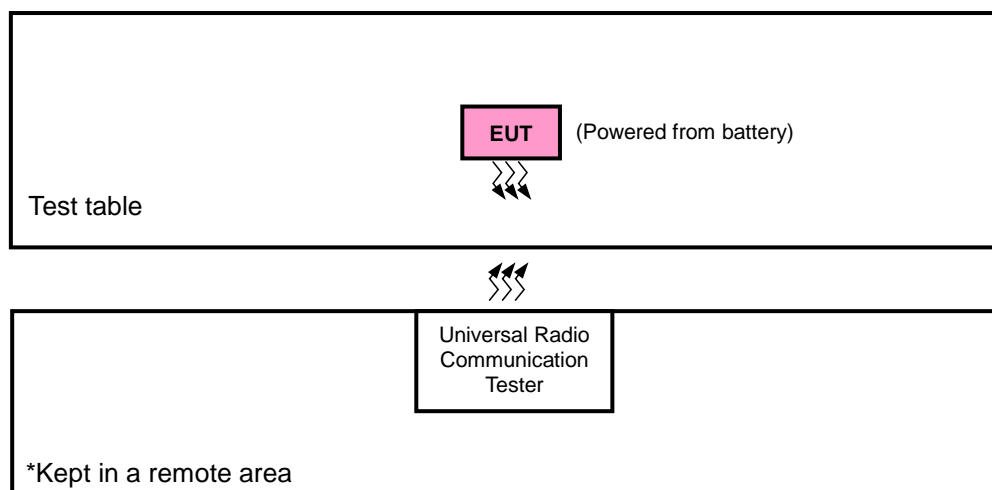
2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

## 3.2 Configuration of System under Test

### <Radiated Emission Test>



### <E.I.R.P. Test>



#### 3.2.1 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units.



### 3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis, and antenna ports.

The worst case was found when positioned as the table below. Following channel(s) was (were) selected for the final test as listed below:

Band	EIRP	Radiated Emission
CDMA	Y-plane	X-axis
LTE Band 25	Y-plane	X-axis

#### CDMA

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Mode
-	ERP	25 to 1175	25, 600, 1175	1xRTT
-	Frequency Stability	25 to 1175	600	1xRTT
-	Occupied Bandwidth	25 to 1175	25, 600, 1175	1xRTT
-	Band Edge	25 to 1175	25, 600, 1175	1xRTT
-	Peak to Average Ratio	25 to 1175	25, 1175	1xRTT
-	Conducuted Emission	25 to 1175	600	1xRTT
-	Radiated Emission	25 to 1175	600	1xRTT

## LTE Band 25

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	26047 to 26683	26047, 26365, 26683	1.4 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26055 to 26675	26055, 26365, 26675	3 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26065 to 26665	26065, 26365, 26665	5 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26090 to 26640	26090, 26365, 26640	10 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26115 to 26615	26115, 26365, 26615	15 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26140 to 26590	26140, 26365, 26590	20 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
-	Frequency Stability	26047 to 26683	26365	1.4 MHz	QPSK	1 RB / 0 RB Offset
		26055 to 26675	26365	3 MHz	QPSK	1 RB / 0 RB Offset
		26065 to 26665	26365	5 MHz	QPSK	1 RB / 0 RB Offset
		26090 to 26640	26365	10 MHz	QPSK	1 RB / 0 RB Offset
		26115 to 26615	26365	15 MHz	QPSK	1 RB / 0 RB Offset
		26140 to 26590	26365	20 MHz	QPSK	1 RB / 0 RB Offset
-	Occupied Bandwidth	26047 to 26683	26047, 26365, 26683	1.4 MHz	QPSK / 16QAM	6 RB / 0 RB Offset
		26055 to 26675	26055, 26365, 26675	3 MHz	QPSK / 16QAM	15 RB / 0 RB Offset
		26065 to 26665	26065, 26365, 26665	5 MHz	QPSK / 16QAM	25 RB / 0 RB Offset
		26090 to 26640	26090, 26365, 26640	10 MHz	QPSK / 16QAM	50 RB / 0 RB Offset
		26115 to 26615	26115, 26365, 26615	15 MHz	QPSK / 16QAM	75 RB / 0 RB Offset
		26140 to 26590	26140, 26365, 26590	20 MHz	QPSK / 16QAM	100 RB / 0 RB Offset
-	Peak to Average Ratio	26047 to 26683	26047, 26365, 26683	1.4 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26055 to 26675	26055, 26365, 26675	3 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26065 to 26665	26065, 26365, 26665	5 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26090 to 26640	26090, 26365, 26640	10 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26115 to 26615	26115, 26365, 26615	15 MHz	QPSK / 16QAM	1 RB / 0 RB Offset
		26140 to 26590	26140, 26365, 26590	20 MHz	QPSK / 16QAM	1 RB / 0 RB Offset

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Band Edge	26047 to 26683	26047	1.4 MHz	QPSK	1 RB / 0 RB Offset
			26683	1.4 MHz	QPSK	6 RB / 0 RB Offset
		26055 to 26675	26055	3 MHz	QPSK	1 RB / 5 RB Offset
			26675	3 MHz	QPSK	6 RB / 0 RB Offset
			26055	3 MHz	QPSK	1 RB / 0 RB Offset
			26675	3 MHz	QPSK	1 RB / 0 RB Offset
		26065 to 26665	26065	5 MHz	QPSK	1 RB / 14 RB Offset
			26665	5 MHz	QPSK	15 RB / 0 RB Offset
			26065	5 MHz	QPSK	1 RB / 0 RB Offset
			26665	5 MHz	QPSK	25 RB / 0 RB Offset
		26090 to 26640	26090	10 MHz	QPSK	1 RB / 24 RB Offset
			26640	10 MHz	QPSK	25 RB / 0 RB Offset
			26090	10 MHz	QPSK	1 RB / 0 RB Offset
			26640	10 MHz	QPSK	50 RB / 0 RB Offset
		26115 to 26615	26115	15 MHz	QPSK	1 RB / 49 RB Offset
			26615	15 MHz	QPSK	50 RB / 0 RB Offset
			26115	15 MHz	QPSK	1 RB / 0 RB Offset
			26615	15 MHz	QPSK	75 RB / 0 RB Offset
-	Conducted Emission	26140 to 26590	26140	20 MHz	QPSK	1 RB / 74 RB Offset
			26590	20 MHz	QPSK	75 RB / 0 RB Offset
		26047 to 26683	26047	1.4 MHz	QPSK	1 RB / 0 RB Offset
			26683	1.4 MHz	QPSK	100 RB / 0 RB Offset
		26055 to 26675	26055	3 MHz	QPSK	1 RB / 99 RB Offset
			26675	3 MHz	QPSK	100 RB / 0 RB Offset
-	Radiated Emission	26140 to 26590	26365	20 MHz	QPSK	1 RB / 0 RB Offset

**Note:** This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

### Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
EIRP	26 deg. C, 58 % RH	3.8 Vdc	Howard Kao
Frequency Stability	26 deg. C, 58 % RH	3.8 Vdc	Howard Kao
Occupied Bandwidth	26 deg. C, 58 % RH	3.8 Vdc	Howard Kao
Band Edge	26 deg. C, 58 % RH	3.8 Vdc	Howard Kao
Peak to Average Ratio	26 deg. C, 58 % RH	3.8 Vdc	Howard Kao
Conducuted Emission	26 deg. C, 58 % RH	3.8 Vdc	Howard Kao
Radiated Emission	25 deg. C, 65 % RH	120 Vac, 60 Hz	Charles Hsiao

### 3.4 EUT Operating Conditions

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

### 3.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC 47 CFR Part 2**

**FCC 47 CFR Part 24**

**ANSI/TIA/EIA-603-C 2004**

**NOTE:** All test items have been performed and recorded as per the above standards.

## 4 Test Types and Results

### 4.1 Output Power Measurement

#### 4.1.1 Limits of Output Power Measurement

Mobile / Portable station are limited to 2 watts e.i.r.p.

#### 4.1.2 Test Procedures

##### **EIRP / ERP Measurement:**

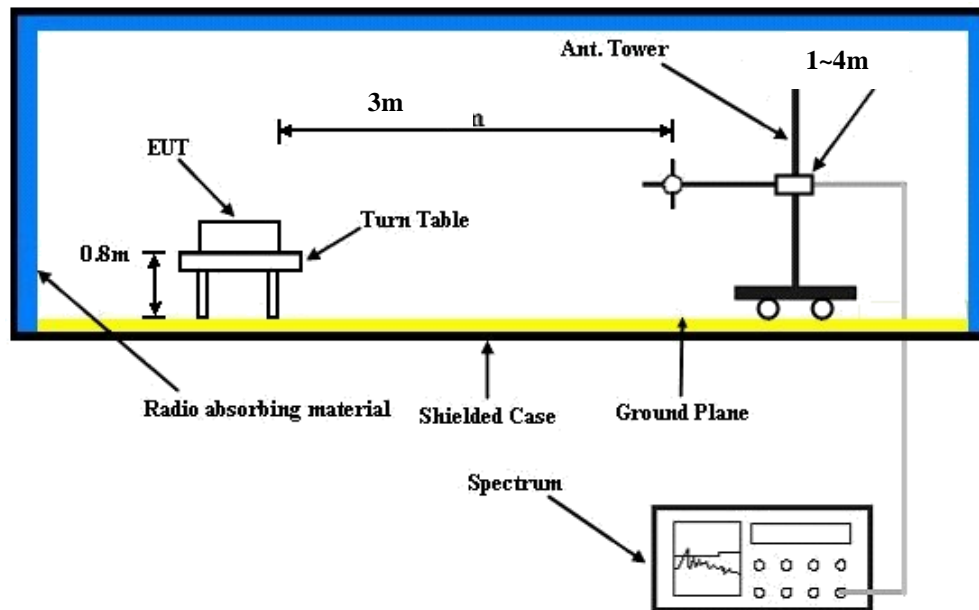
- All measurements were done at low, middle and high operational frequency range. RBW and VBW is 1 MHz for GSM, GPRS & EDGE, 5 MHz for WCDMA and CDMA, and 10 MHz for LTE mode.
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G.
- $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ . E.R.P power can be calculated from E.I.R.P power by subtracting the gain of dipole,  $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15 \text{ dBi}$ .

##### **Conducted Power Measurement:**

The EUT was set up for the maximum power with GSM, GPRS, EDGE, WCDMA, CDMA, and LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

#### 4.1.3 Test Setup

##### EIRP / ERP Measurement:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

##### Conducted Power Measurement:



#### 4.1.4 Test Results

##### Conducted Output Power (dBm)

Band	CDMA		
Channel	25	600	1175
Frequency (MHz)	1851.25	1880	1908.75
RC1+SO55	23.61	23.40	23.44
RC3+SO55	23.64	23.43	23.55
RC3+SO32 (+F-SCH)	23.59	23.36	23.40
RC3+SO32 (+SCH)	23.56	23.35	23.39
RC1+SO3, 1/8 Rate	23.58	23.37	23.41
RTAP 153.6	23.55	23.35	23.39
RETAP 4096	23.58	23.38	23.42

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low Ch 26047	Mid Ch 26365	High Ch 26683		Low Ch 26047	Mid Ch 26365	High Ch 26683	
			1850.7 MHz	1882.5 MHz	1914.3 MHz		1850.7 MHz	1882.5 MHz	1914.3 MHz	
25 / 1.4M	1	0	22.92	23.02	22.90	0	21.96	22.08	21.93	1
	1	2	22.67	22.76	22.59	0	21.65	21.79	21.55	1
	1	5	22.56	22.71	22.43	0	21.55	21.71	21.47	1
	3	0	21.77	21.86	21.58	0	20.67	20.80	20.53	1
	3	1	21.47	21.49	21.46	0	20.42	20.43	20.41	1
	3	3	21.49	21.51	21.45	0	20.45	20.49	20.44	1
	6	0	21.63	21.81	21.55	1	20.60	20.71	20.49	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low Ch 26055	Mid Ch 26365	High Ch 26675		Low Ch 26055	Mid Ch 26365	High Ch 26675	
			1851.5 MHz	1882.5 MHz	1913.5 MHz		1851.5 MHz	1882.5 MHz	1913.5 MHz	
25 / 3M	1	0	22.96	23.07	22.91	0	22.02	22.12	21.97	1
	1	7	22.68	22.77	22.63	0	21.71	21.84	21.66	1
	1	14	22.60	22.72	22.55	0	21.61	21.78	21.52	1
	8	0	21.81	21.91	21.62	1	20.82	20.95	20.66	2
	8	3	21.45	21.62	21.39	1	20.42	20.60	20.35	2
	8	7	21.52	21.66	21.41	1	20.47	20.66	20.41	2
	15	0	21.75	21.86	21.56	1	20.76	20.86	20.60	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low Ch 26065	Mid Ch 26365	High Ch 26665		Low Ch 26065	Mid Ch 26365	High Ch 26665	
			1852.5 MHz	1882.5 MHz	1912.5 MHz		1852.5 MHz	1882.5 MHz	1912.5 MHz	
25 / 5M	1	0	23.01	23.11	22.98	0	22.07	22.18	22.04	1
	1	12	22.74	22.84	22.67	0	21.79	21.91	21.75	1
	1	24	22.66	22.79	22.53	0	21.71	21.85	21.64	1
	12	0	21.86	21.97	21.81	1	20.92	21.01	20.77	2
	12	6	21.60	21.71	21.55	1	20.58	20.74	20.49	2
	12	13	21.65	21.72	21.57	1	20.63	20.77	20.51	2
	25	0	21.85	21.92	21.77	1	20.86	20.94	20.68	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low Ch 26090	Mid Ch 26365	High Ch 26640		Low Ch 26090	Mid Ch 26365	High Ch 26640	
			1855.0 MHz	1882.5 MHz	1910.0 MHz		1855.0 MHz	1882.5 MHz	1910.0 MHz	
25 / 10M	1	0	23.09	23.18	23.07	0	22.12	22.22	22.09	1
	1	24	22.88	22.94	22.79	0	21.88	21.98	21.84	1
	1	49	22.78	22.90	22.72	0	21.81	21.93	21.74	1
	25	0	22.02	22.10	21.92	1	21.04	21.14	20.90	2
	25	12	21.71	21.82	21.69	1	20.69	20.81	20.64	2
	25	25	21.75	21.86	21.70	1	20.70	20.84	20.65	2
	50	0	21.99	22.05	21.90	1	20.94	21.07	20.79	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low Ch 26115	Mid Ch 26365	High Ch 26615		Low Ch 26115	Mid Ch 26365	High Ch 26615	
			1857.5 MHz	1882.5 MHz	1907.5 MHz		1857.5 MHz	1882.5 MHz	1907.5 MHz	
25 / 15M	1	0	23.14	23.23	23.10	0	22.17	22.27	22.15	1
	1	37	22.89	22.99	22.84	0	21.91	22.02	21.89	1
	1	74	22.85	22.94	22.76	0	21.86	21.96	21.78	1
	36	0	22.12	22.17	22.03	1	21.08	21.18	20.94	2
	36	19	21.87	21.96	21.84	1	20.81	20.94	20.79	2
	36	39	21.88	21.97	21.85	1	20.85	20.96	20.80	2
	75	0	22.03	22.13	21.99	1	21.04	21.13	20.89	2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)
			Low Ch 26140	Mid Ch 26365	High Ch 26590		Low Ch 26140	Mid Ch 26365	High Ch 26590	
			1860.0 MHz	1882.5 MHz	1905.0 MHz		1860.0 MHz	1882.5 MHz	1905.0 MHz	
25 / 20M	1	0	23.19	23.28	23.17	0	22.24	22.33	22.22	1
	1	50	23.00	23.06	22.95	0	22.05	22.10	21.97	1
	1	99	22.94	23.02	22.82	0	21.95	22.06	21.89	1
	50	0	22.23	22.29	22.11	1	21.24	21.31	21.16	2
	50	25	22.01	22.10	21.99	1	20.97	21.07	20.94	2
	50	50	22.04	22.11	22.00	1	21.00	21.08	20.95	2
	100	0	22.16	22.25	22.10	1	21.16	21.26	21.06	2



**EIRP Power (dBm)**

CDMA							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)
Y	25	1851.25	-21.50	44.70	23.20	208.93	H
	600	1880.00	-21.08	44.70	23.62	230.14	
	1175	1908.75	-20.62	44.57	23.95	248.48	
	25	1851.25	-18.58	44.27	25.69	370.68	V
	600	1880.00	-19.33	44.87	25.54	358.10	
	1175	1908.75	-19.44	44.61	25.17	329.08	

LTE Band 25							
Channel Bandwidth: 1.4 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)
Y	26047	1850.7	-20.80	44.70	23.90	245.47	H
	26365	1882.5	-20.71	44.70	23.99	250.61	
	26683	1914.3	-20.65	44.57	23.92	246.77	
	26047	1850.7	-19.11	44.27	25.16	328.10	V
	26365	1882.5	-19.72	44.87	25.15	327.34	
	26683	1914.3	-19.58	44.61	25.03	318.64	
Channel Bandwidth: 1.4 MHz / 16QAM							
Y	26047	1850.7	-22.57	44.70	22.13	163.31	H
	26365	1882.5	-22.34	44.70	22.36	172.19	
	26683	1914.3	-22.35	44.57	22.22	166.84	
	26047	1850.7	-20.02	44.27	24.25	266.07	V
	26365	1882.5	-20.52	44.87	24.35	272.27	
	26683	1914.3	-20.35	44.61	24.26	266.87	

LTE Band 25							
Channel Bandwidth: 3 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)
Y	26055	1851.5	-21.53	44.70	23.17	207.49	H
	26365	1882.5	-21.37	44.70	23.33	215.28	
	26675	1913.5	-21.10	44.57	23.47	222.48	
	26055	1851.5	-18.54	44.27	25.73	374.11	V
	26365	1882.5	-19.01	44.87	25.86	385.48	
	26675	1913.5	-18.92	44.61	25.69	370.94	
Channel Bandwidth: 3 MHz / 16QAM							
Y	26055	1851.5	-22.49	44.70	22.21	166.34	H
	26365	1882.5	-22.41	44.70	22.29	169.43	
	26675	1913.5	-22.22	44.57	22.35	171.91	
	26055	1851.5	-19.61	44.27	24.66	292.42	V
	26365	1882.5	-20.16	44.87	24.71	295.80	
	26675	1913.5	-19.98	44.61	24.63	290.60	

LTE Band 25							
Channel Bandwidth: 5 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)
Y	26065	1852.5	-21.19	44.70	23.51	224.39	H
	26365	1882.5	-20.99	44.70	23.71	234.96	
	26665	1912.5	-20.95	44.57	23.62	230.30	
	26065	1852.5	-18.28	44.27	25.99	397.19	V
	26365	1882.5	-19.06	44.87	25.81	381.07	
	26665	1912.5	-19.58	44.61	25.03	318.64	
Channel Bandwidth: 5 MHz / 16QAM							
Y	26065	1852.5	-22.09	44.70	22.61	182.39	H
	26365	1882.5	-22.20	44.70	22.50	177.83	
	26665	1912.5	-21.94	44.57	22.63	183.36	
	26065	1852.5	-19.38	44.27	24.89	308.32	V
	26365	1882.5	-20.05	44.87	24.82	303.39	
	26665	1912.5	-20.56	44.61	24.05	254.27	

LTE Band 25							
Channel Bandwidth: 10 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)
Y	26090	1855.0	-20.86	44.70	23.84	242.10	H
	26365	1882.5	-21.26	44.70	23.44	220.80	
	26640	1910.0	-20.97	44.57	23.60	229.25	
	26090	1855.0	-18.30	44.27	25.97	395.37	V
	26365	1882.5	-19.11	44.87	25.76	376.70	
	26640	1910.0	-19.43	44.61	25.18	329.84	
Channel Bandwidth: 10 MHz / 16QAM							
Y	26090	1855.0	-22.60	44.70	22.10	162.18	H
	26365	1882.5	-22.22	44.70	22.48	177.01	
	26640	1910.0	-21.89	44.57	22.68	185.48	
	26090	1855.0	-19.88	44.27	24.39	274.79	V
	26365	1882.5	-19.90	44.87	24.97	314.05	
	26640	1910.0	-20.37	44.61	24.24	265.64	

LTE Band 25							
Channel Bandwidth: 15 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)
Y	26115	1857.5	-21.68	44.70	23.02	200.45	H
	26365	1882.5	-21.38	44.70	23.32	214.78	
	26615	1907.5	-20.63	44.57	23.94	247.91	
	26115	1857.5	-19.25	44.27	25.02	317.69	V
	26365	1882.5	-19.31	44.87	25.56	359.75	
	26615	1907.5	-19.53	44.61	25.08	322.33	
Channel Bandwidth: 15 MHz / 16QAM							
Y	26115	1857.5	-22.64	44.70	22.06	160.69	H
	26365	1882.5	-22.04	44.70	22.66	184.50	
	26615	1907.5	-22.16	44.57	22.41	174.30	
	26115	1857.5	-19.90	44.27	24.37	273.53	V
	26365	1882.5	-20.14	44.87	24.73	297.17	
	26615	1907.5	-20.53	44.61	24.08	256.04	

LTE Band 25							
Channel Bandwidth: 20 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)
Y	26140	1860.0	-21.45	44.70	23.25	211.35	H
	26365	1882.5	-21.14	44.70	23.56	226.99	
	26590	1905.0	-20.94	44.57	23.63	230.83	
	26140	1860.0	-18.90	44.27	25.37	344.35	V
	26365	1882.5	-19.07	44.87	25.80	380.19	
	26590	1905.0	-19.25	44.61	25.36	343.80	
Channel Bandwidth: 20 MHz / 16QAM							
Y	26140	1860.0	-22.34	44.70	22.36	172.19	H
	26365	1882.5	-22.16	44.70	22.54	179.47	
	26590	1905.0	-22.23	44.57	22.34	171.51	
	26140	1860.0	-19.71	44.27	24.56	285.76	V
	26365	1882.5	-19.96	44.87	24.91	309.74	
	26590	1905.0	-19.90	44.61	24.71	296.01	

## 4.2 Frequency Stability Measurement

### 4.2.1 Limits of Frequency Stability Measurement

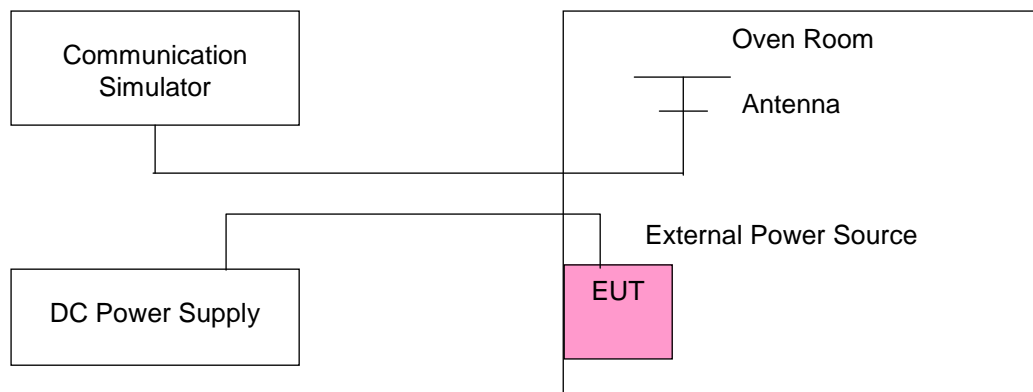
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

### 4.2.2 Test Procedure

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the  $\pm 0.5$  °C during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

**NOTE:** The frequency error was recorded frequency error from the communication simulator.

### 4.2.3 Test Setup



#### 4.2.4 Test Results

##### Frequency Error vs. Voltage

Voltage (Volts)	Frequency Error (ppm)							Limit (ppm)
	CDMA	LTE Band 25						
		1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
3.8	0.001	-0.001	0.001	0.001	-0.001	-0.001	-0.001	2.5
3.3	0.002	0.002	0.001	0.002	0.002	-0.001	-0.002	2.5
4.35	0.001	0.001	0.002	0.002	-0.001	-0.001	-0.001	2.5

**NOTE:** The applicant defined the normal working voltage of the battery is from 3.3 Vdc to 4.35 Vdc.

##### Frequency Error vs. Temperature

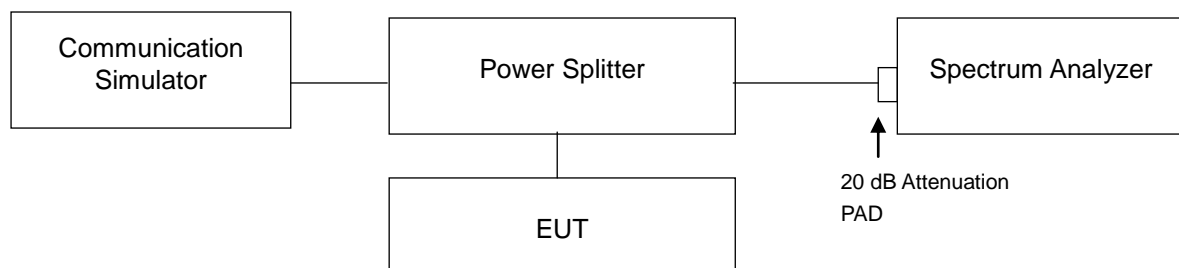
Temp. (°C)	Frequency Error (ppm)							Limit (ppm)
	CDMA	LTE Band 25						
		1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
-30	0.002	0.002	0.002	0.001	0.001	0.002	0.001	2.5
-20	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2.5
-10	0.001	0.001	0.001	0.001	0.002	0.001	0.002	2.5
0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	2.5
10	0.001	0.003	0.001	-0.001	0.001	0.002	0.001	2.5
20	-0.002	0.001	0.002	-0.001	-0.001	0.001	0.001	2.5
30	-0.001	-0.001	0.001	-0.002	-0.002	0.001	-0.001	2.5
40	-0.001	-0.002	-0.001	0.001	-0.001	-0.001	-0.001	2.5
50	0.002	-0.002	-0.002	0.001	-0.002	-0.002	-0.002	2.5

### 4.3 Occupied Bandwidth Measurement

#### 4.3.1 Test Procedure

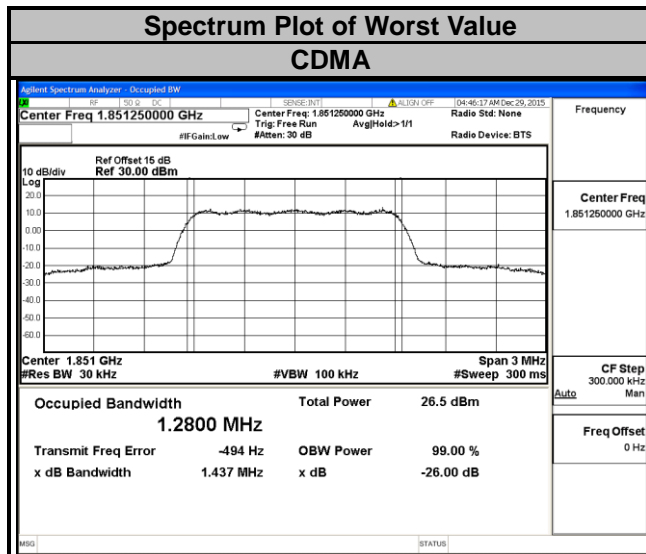
The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

#### 4.3.2 Test Setup



#### 4.3.3 Test Result

Channel	Frequency (MHz)	99 % Occupied Bandwidth (kHz)
		CDMA
25	1851.25	1.2800
600	1880.00	1.2777
1175	1908.75	1.2751





## LTE Band 25

### Channel Bandwidth: 1.4 MHz

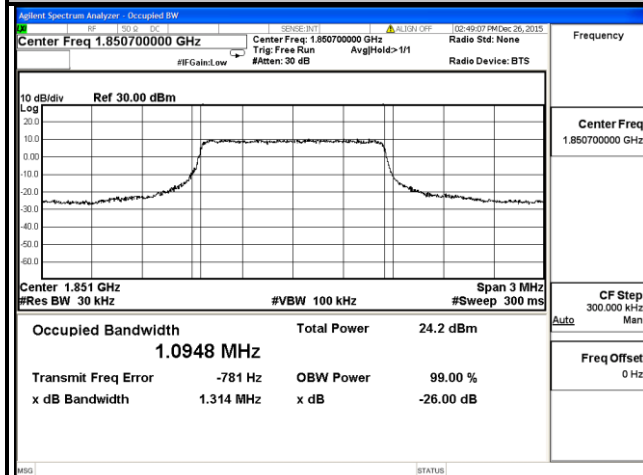
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
26047	1850.7	1.0948	1.0914
26365	1882.5	1.0921	1.0913
26683	1914.3	1.0921	1.0905

### Channel Bandwidth: 3 MHz

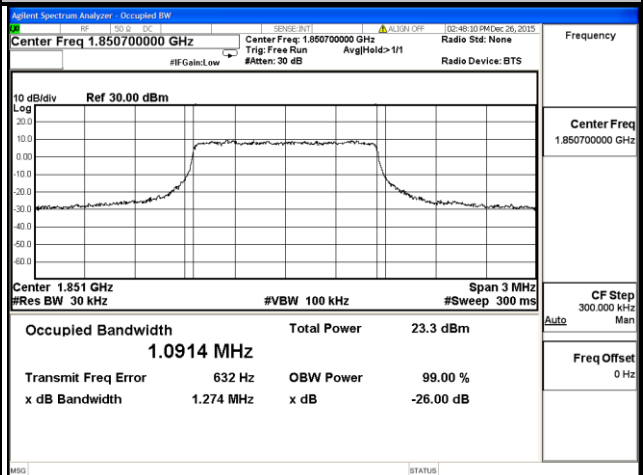
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
26055	1851.5	2.7021	2.6995
26365	1882.5	2.7022	2.7007
26675	1913.5	2.6996	2.6977

## Spectrum Plot of Worst Value

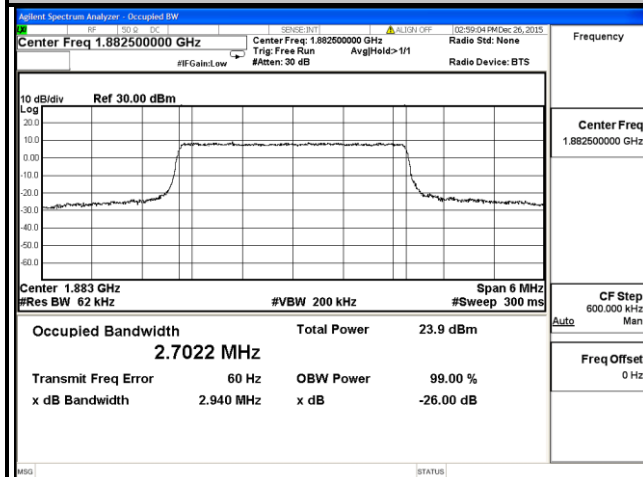
### 1.4 MHz / QPSK



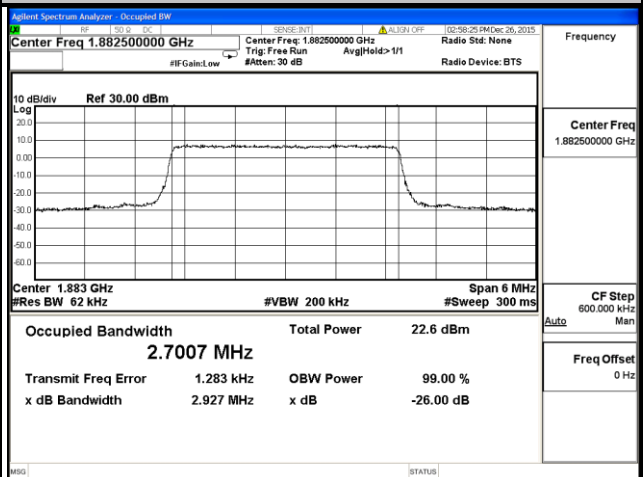
### 1.4 MHz / 16QAM



### 3 MHz / QPSK



### 3 MHz / 16QAM



# LTE Band 25

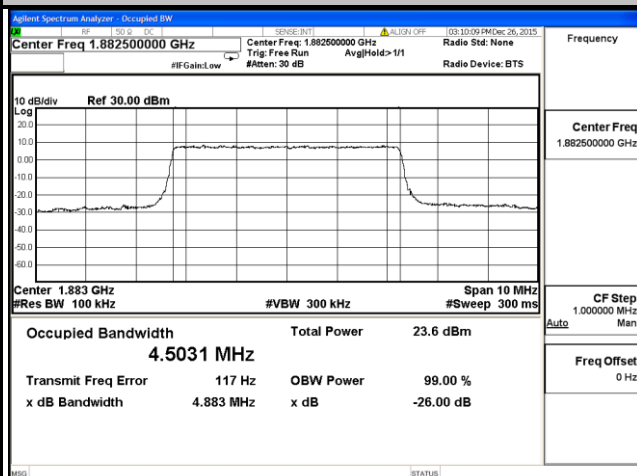
## Channel Bandwidth: 5 MHz

## Channel Bandwidth: 10 MHz

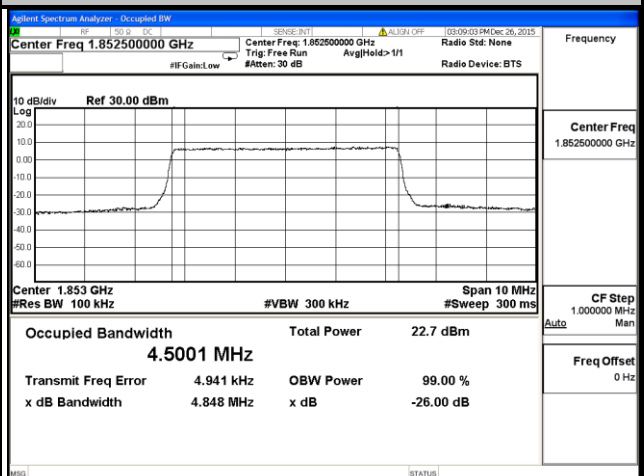
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)		Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM			QPSK	16QAM
26065	1852.5	4.5022	4.5001	26090	1855.0	8.9759	8.9766
26365	1882.5	4.5031	4.4987	26365	1882.5	8.9763	8.9775
26665	1912.5	4.4976	4.4984	26640	1910.0	8.9832	8.9810

## Spectrum Plot of Worst Value

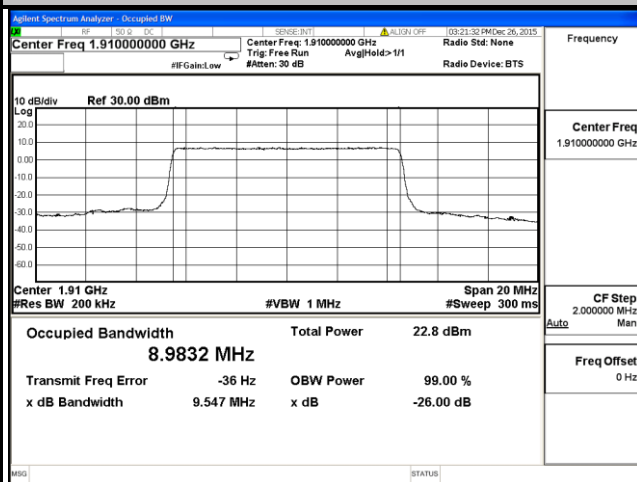
### 5 MHz / QPSK



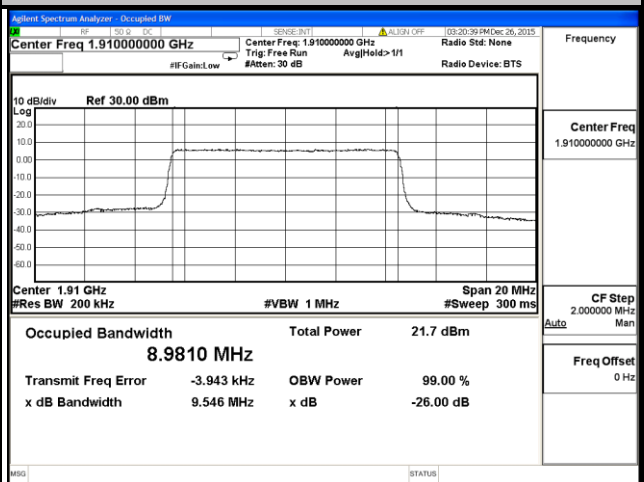
### 5 MHz / 16QAM



### 10 MHz / QPSK



### 10 MHz / 16QAM



# LTE BAND 25

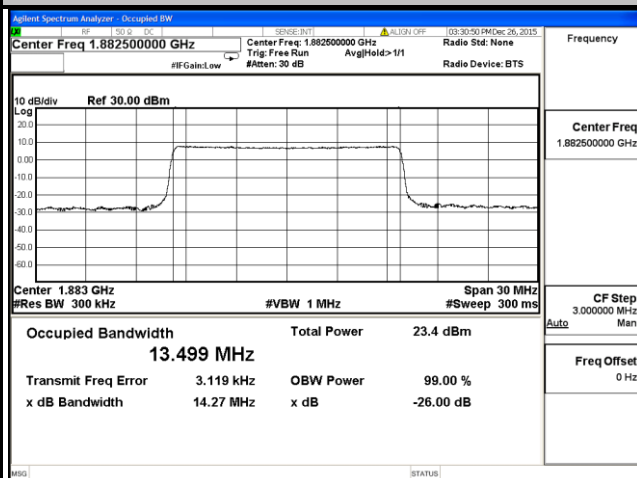
## Channel Bandwidth: 15 MHz

## Channel Bandwidth: 20 MHz

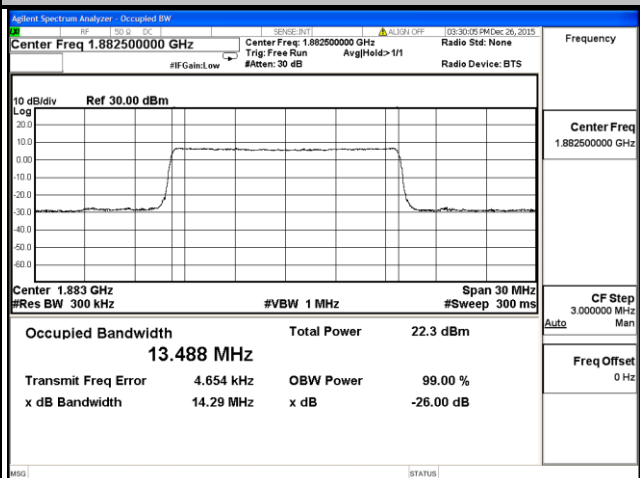
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)		Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM			QPSK	16QAM
26115	1857.5	13.454	13.447	26140	1860.0	17.869	17.880
26365	1882.5	13.499	13.488	26365	1882.5	18.009	18.015
26615	1907.5	13.489	13.483	26590	1905.0	17.936	17.951

## Spectrum Plot of Worst Value

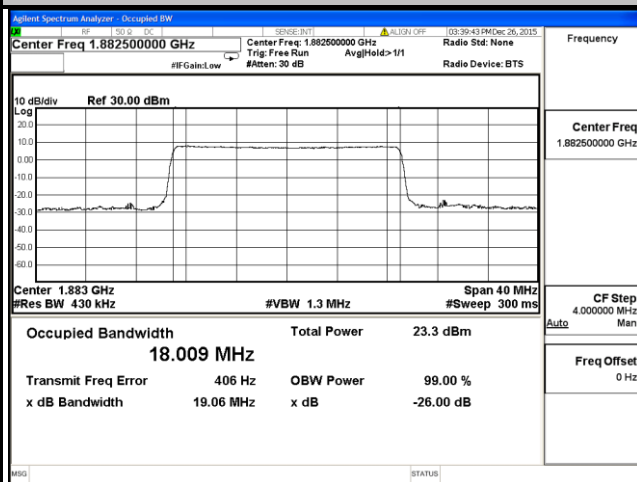
### 15 MHz / QPSK



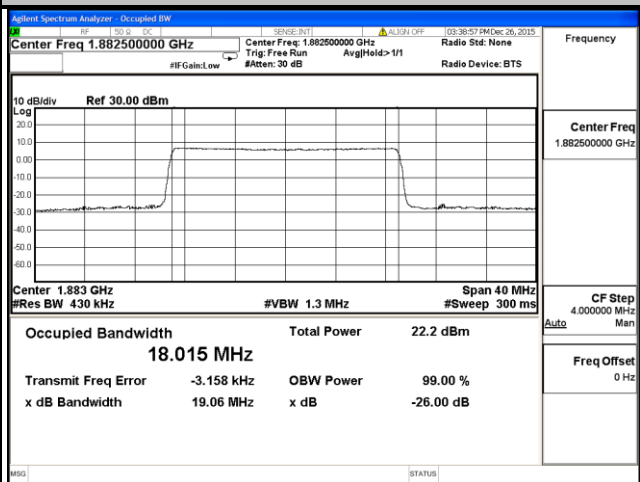
### 15 MHz / 16QAM



### 20 MHz / QPSK



### 20 MHz / 16QAM

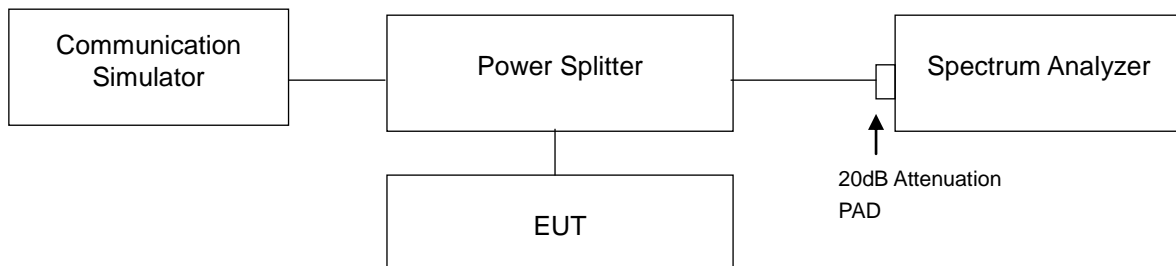


## 4.4 Band Edge Measurement

### 4.4.1 Limits of Band Edge Measurement

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. 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.

### 4.4.2 Test Setup

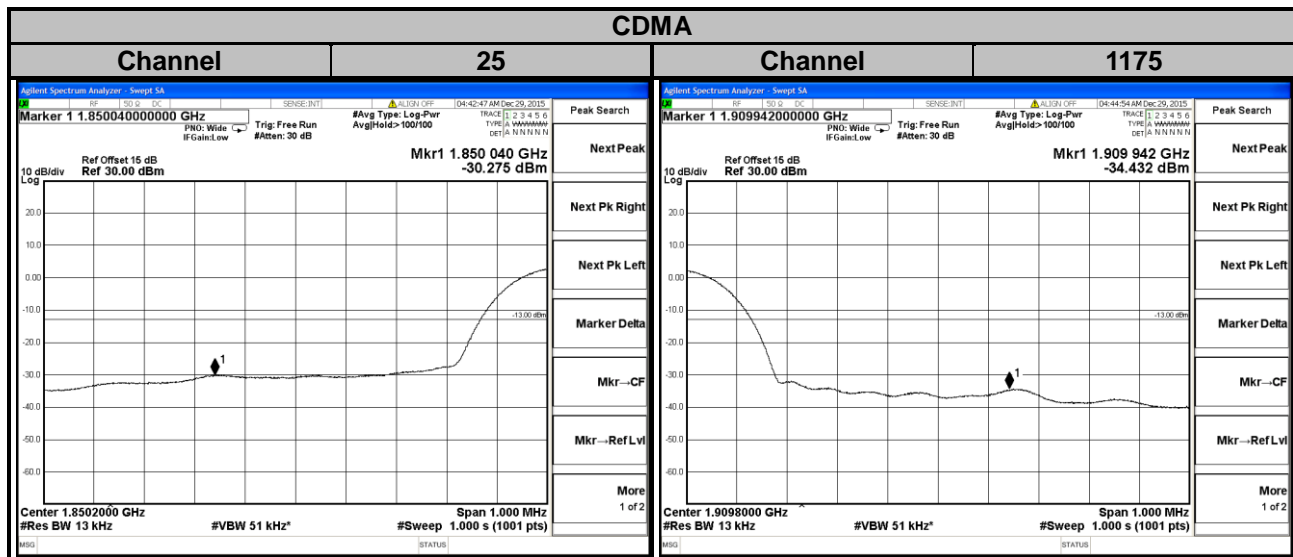


### 4.4.3 Test Procedures

- All measurements were done at low and high operational frequency range.
- The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 13 kHz and VB of the spectrum is 51 kHz (CDMA / LTE Bandwidth 1.4 MHz).
- The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 30 kHz and VB of the spectrum is 100 kHz (LTE Bandwidth 3 MHz).
- The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 100 kHz and VB of the spectrum is 300 kHz (LTE Bandwidth 5 MHz/10 MHz).
- The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 150 kHz and VB of the spectrum is 470 kHz (LTE Bandwidth 15 MHz).
- The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 180 kHz and VB of the spectrum is 560 kHz (LTE Bandwidth 20 MHz).
- Record the max trace plot into the test report.

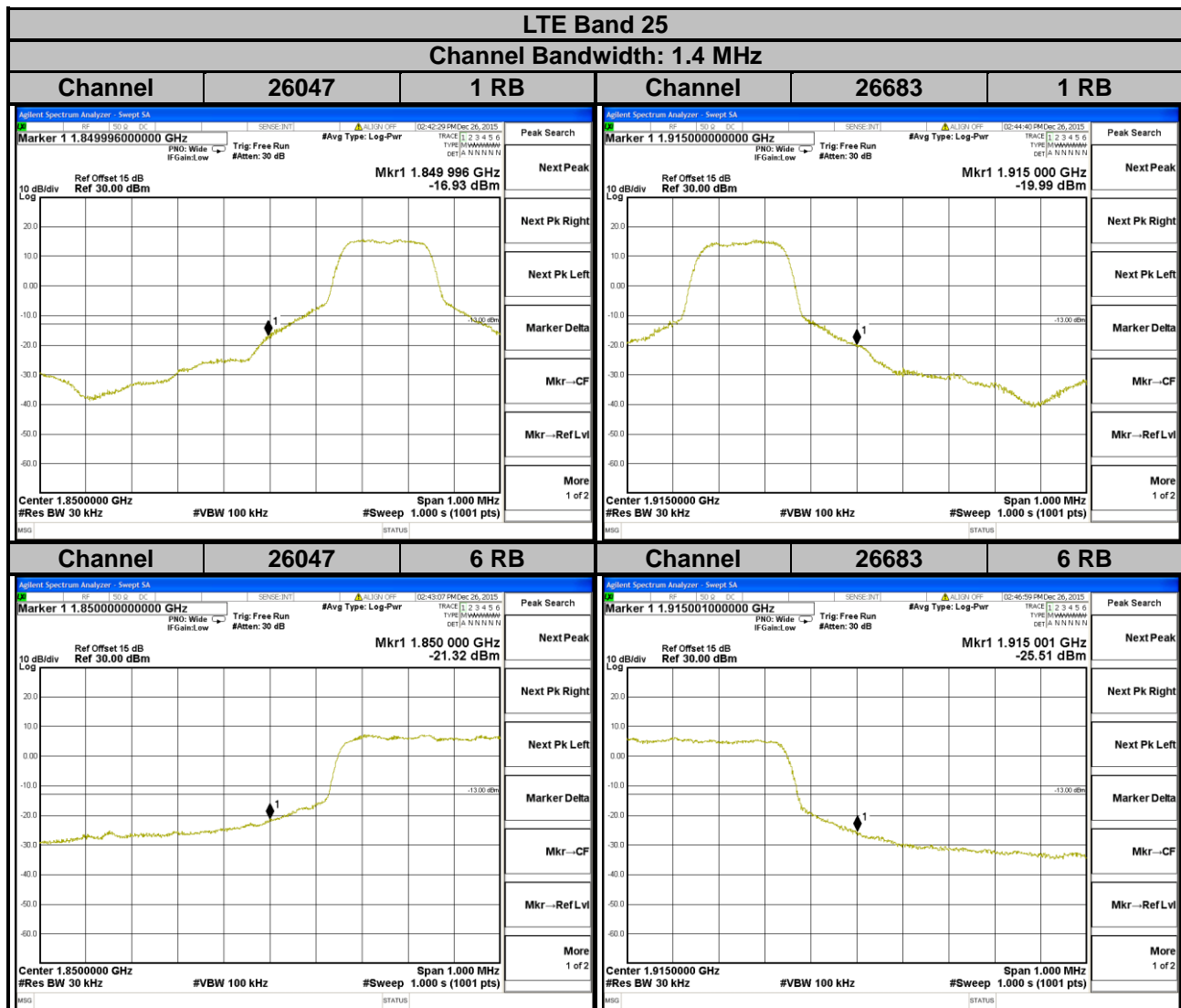


## 4.4.4 Test Results



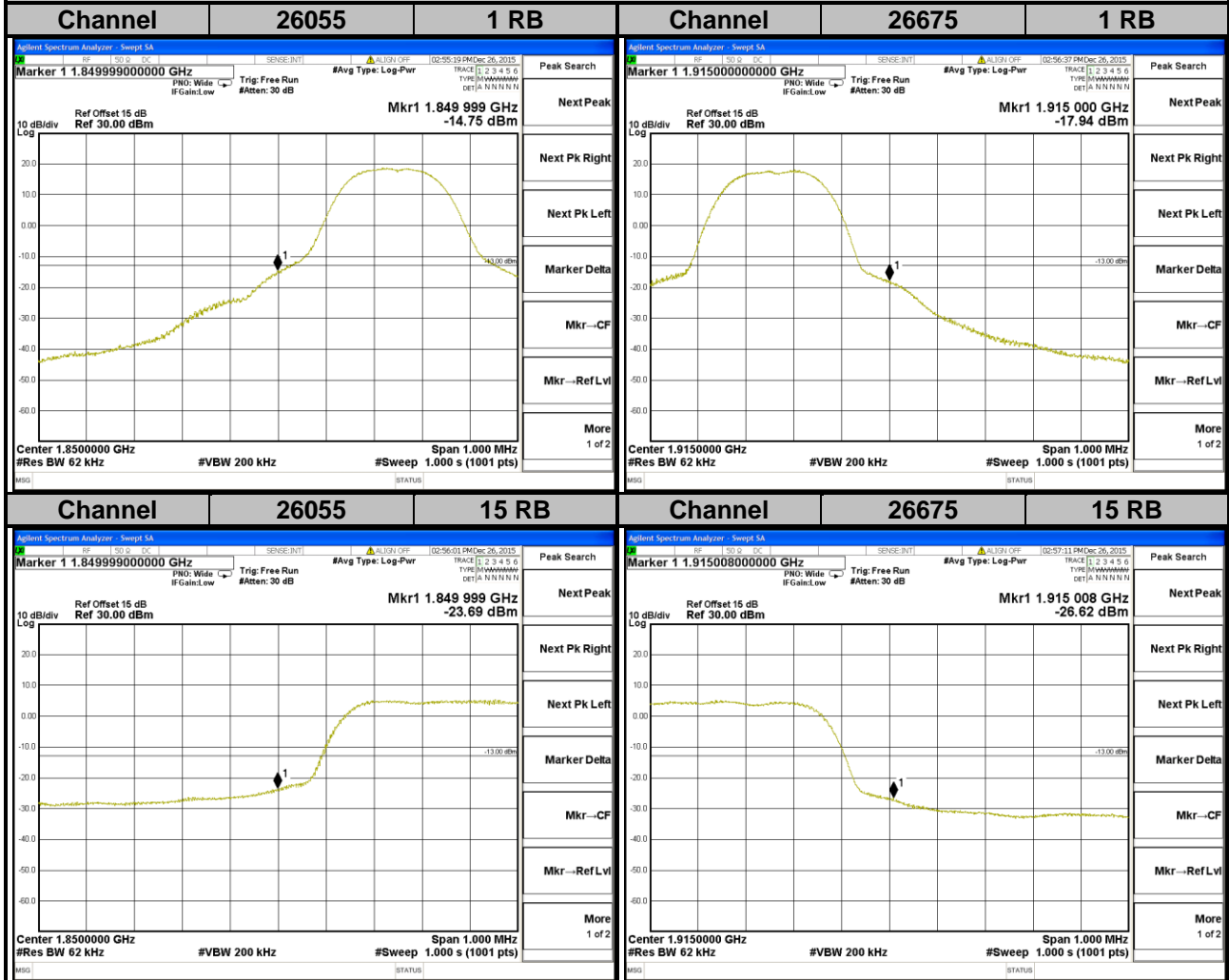


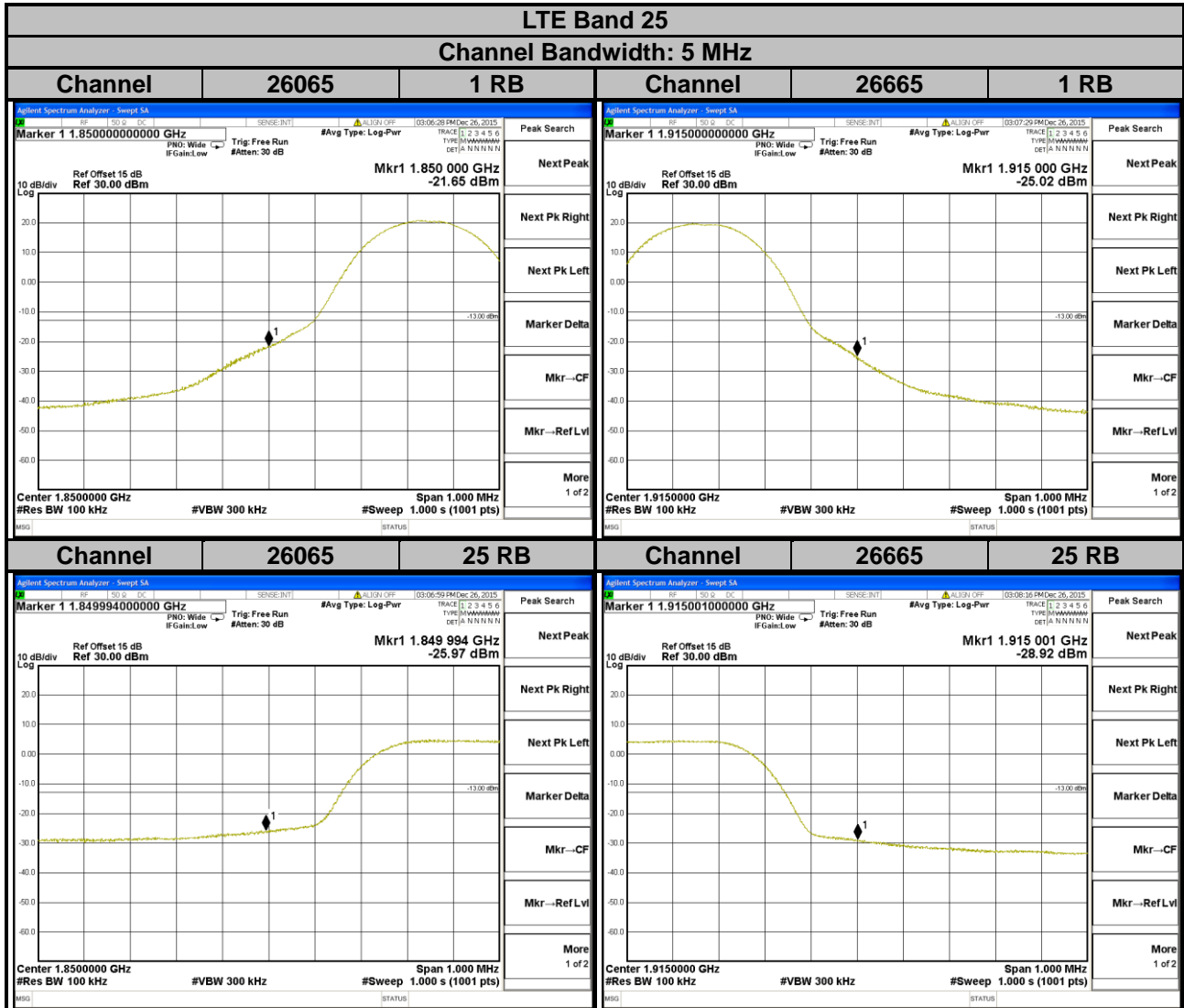
A D T



# LTE Band 25

Channel Bandwidth: 3 MHz

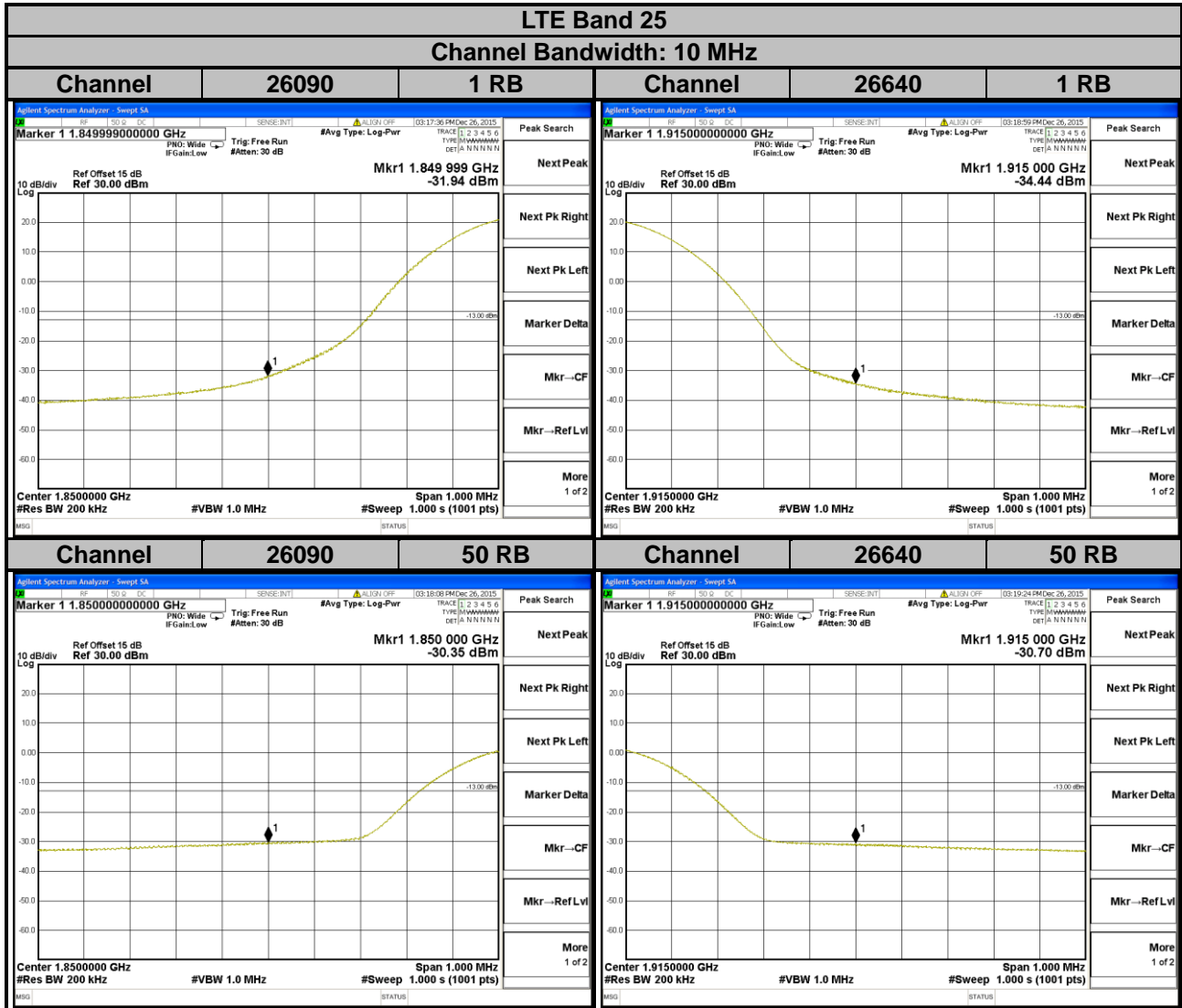






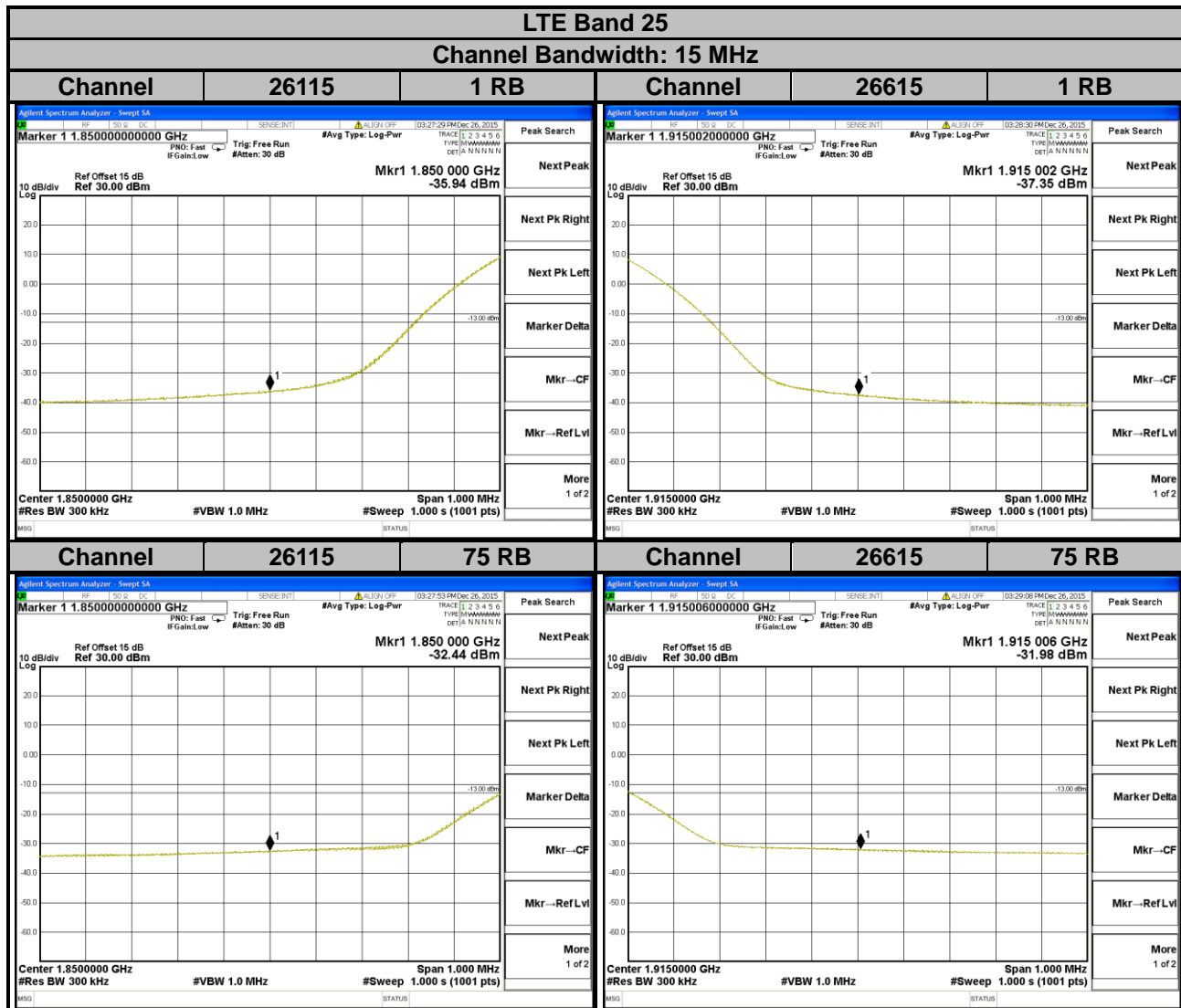


A D T



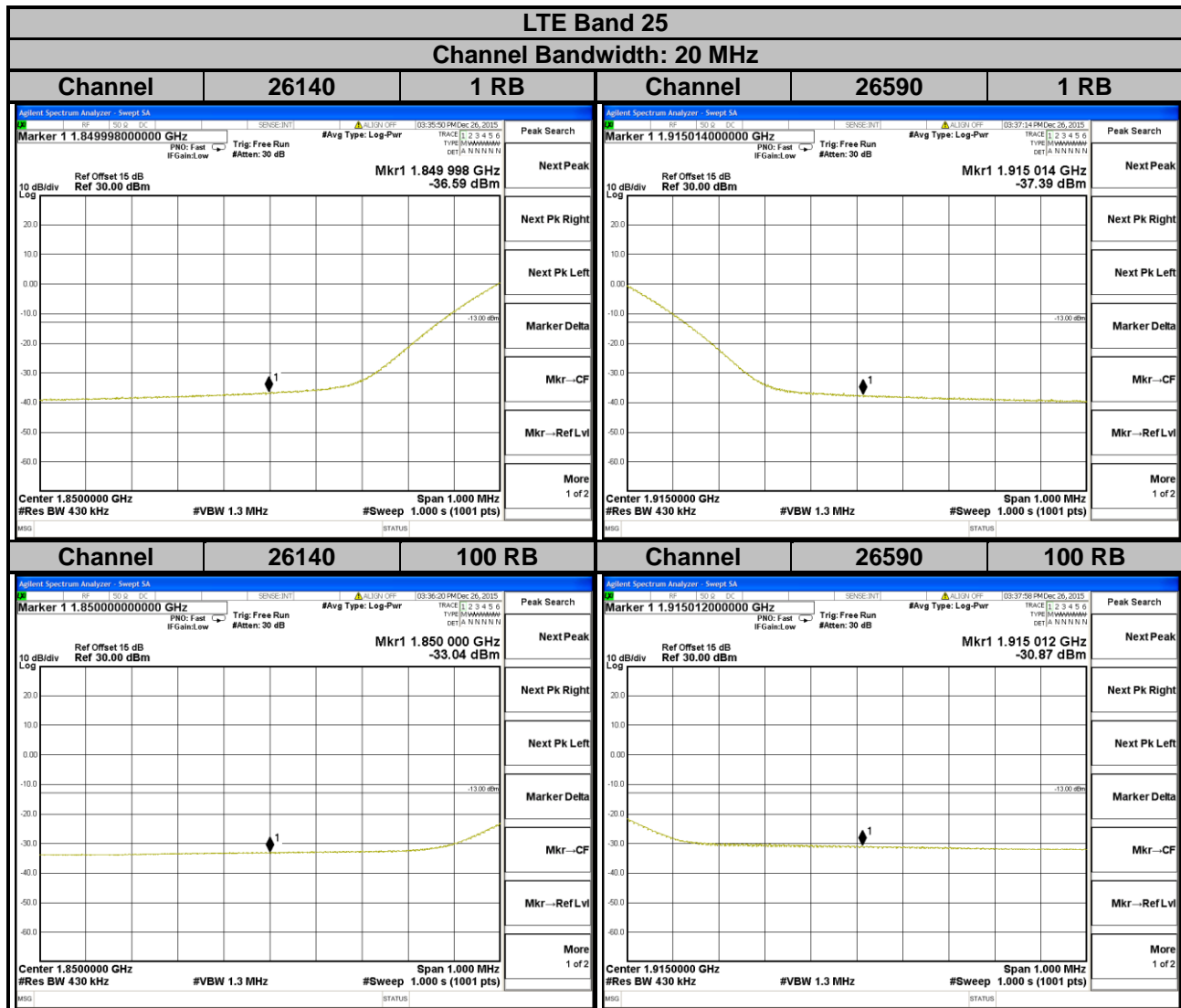


A D T





A D T

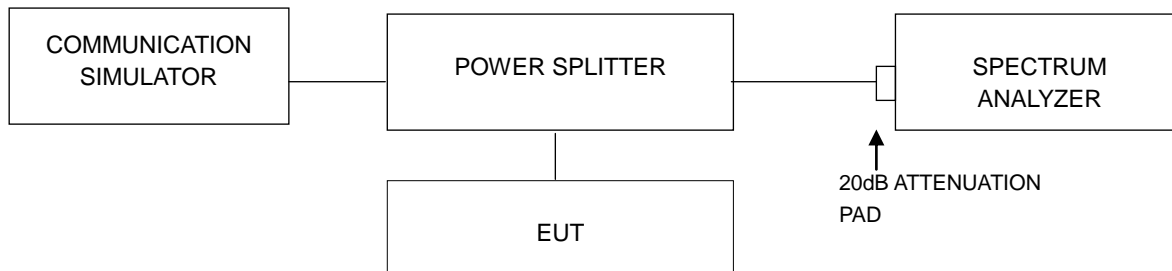


## 4.5 Peak to Average Ratio

### 4.5.1 Limits of Peak to Average Ratio Measurement

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.

### 4.5.2 Test Setup

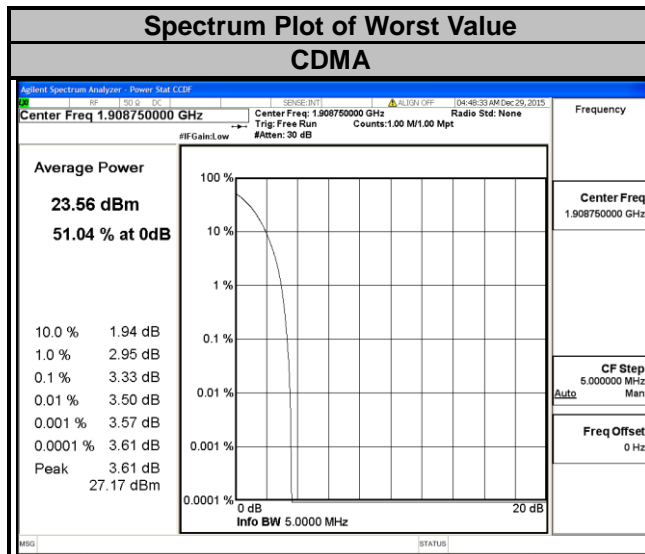


### 4.5.3 Test Procedures

1. Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1 %.

#### 4.5.4 Test Results

Channel	Frequency (MHz)	Peak to Average Ratio (dB)
		CDMA
25	1851.25	2.80
600	1880.00	3.06
1175	1908.75	3.33



# LTE Band 25

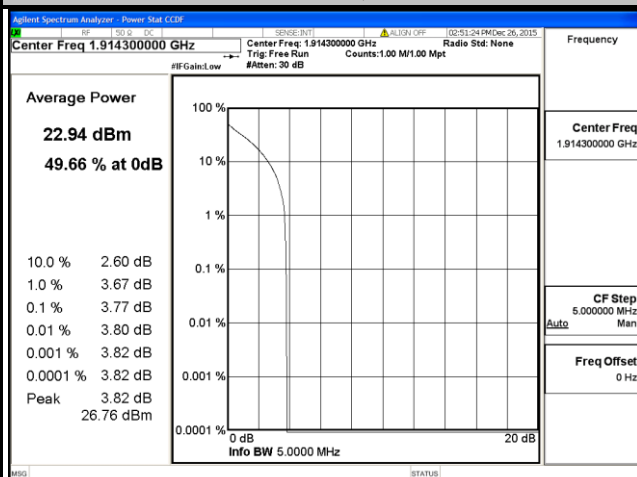
## Channel Bandwidth: 1.4 MHz

## Channel Bandwidth: 3 MHz

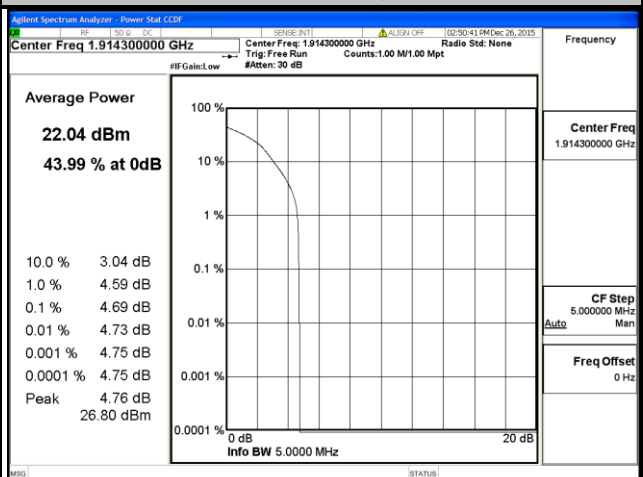
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
26047	1850.7	2.85	4.45	26055	1851.5	2.82	3.83
26365	1882.5	3.05	4.49	26365	1882.5	3.00	3.88
26683	1914.3	3.77	4.69	26675	1913.5	3.83	4.61

# Spectrum Plot of Worst Value

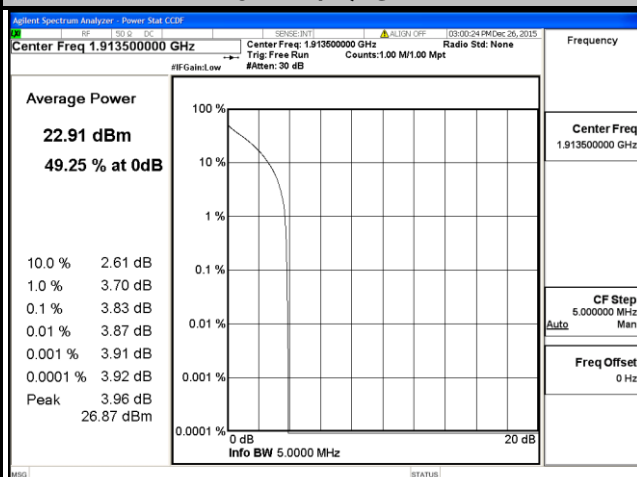
## 1.4 MHz / QPSK



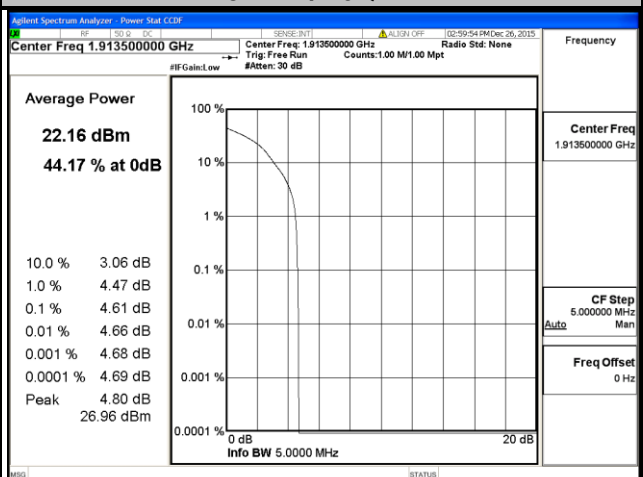
## 1.4 MHz / 16QAM



## 3 MHz / QPSK



## 3 MHz / 16QAM



# LTE Band 25

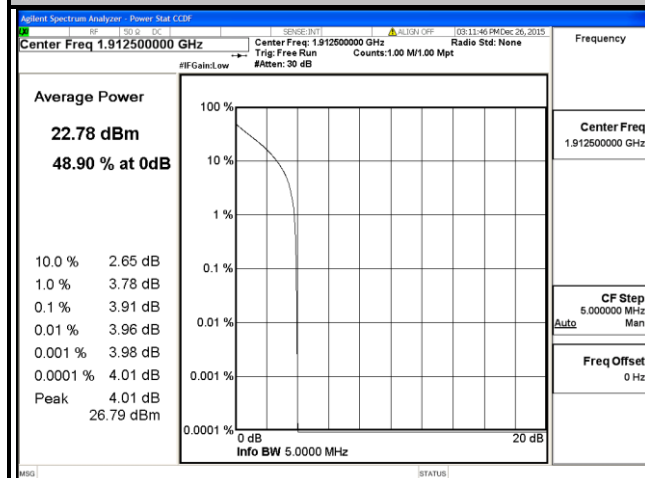
## Channel Bandwidth: 5 MHz

## Channel Bandwidth: 10 MHz

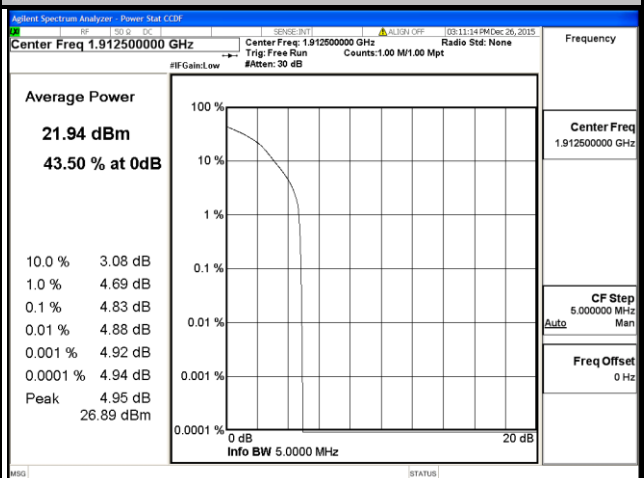
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
26065	1852.5	3.05	4.14	26090	1855.0	3.06	3.97
26365	1882.5	3.08	4.42	26365	1882.5	3.44	4.53
26665	1912.5	3.91	4.83	26640	1910.0	4.24	5.21

## Spectrum Plot of Worst Value

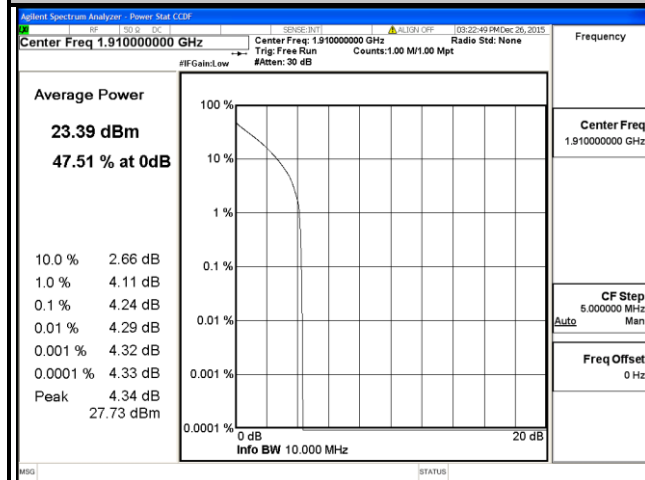
### 5 MHz / QPSK



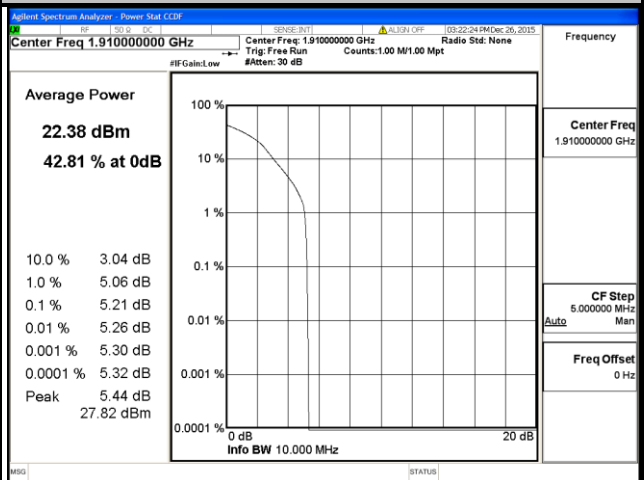
### 5 MHz / 16QAM



### 10 MHz / QPSK



### 10 MHz / 16QAM



# LTE BAND 25

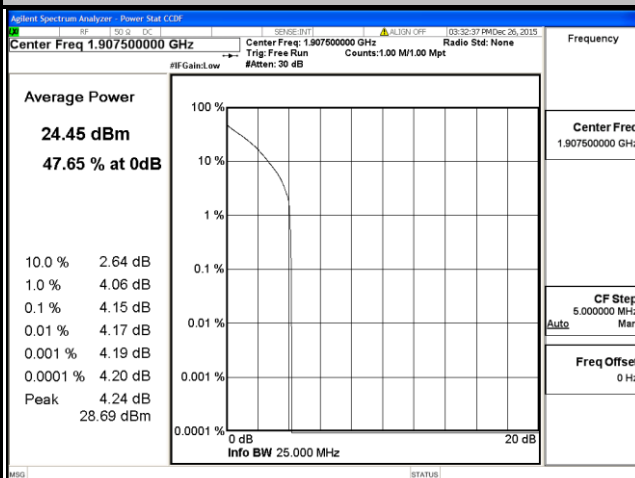
## Channel Bandwidth: 15 MHz

## Channel Bandwidth: 20 MHz

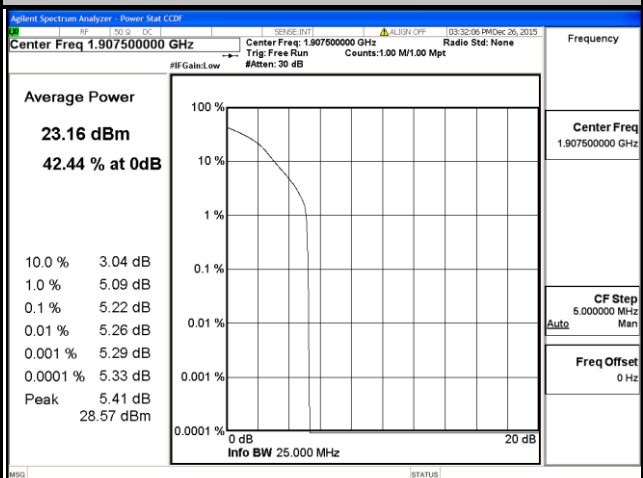
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
26115	1857.5	2.90	4.31	26140	1860	3.04	4.32
26365	1882.5	3.78	4.97	26365	1882.5	3.95	5.26
26615	1907.5	4.15	5.22	26590	1905	3.72	4.98

## Spectrum Plot of Worst Value

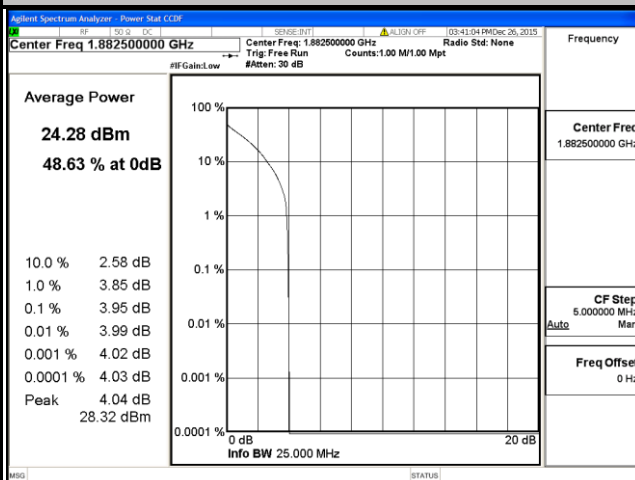
### 15 MHz / QPSK



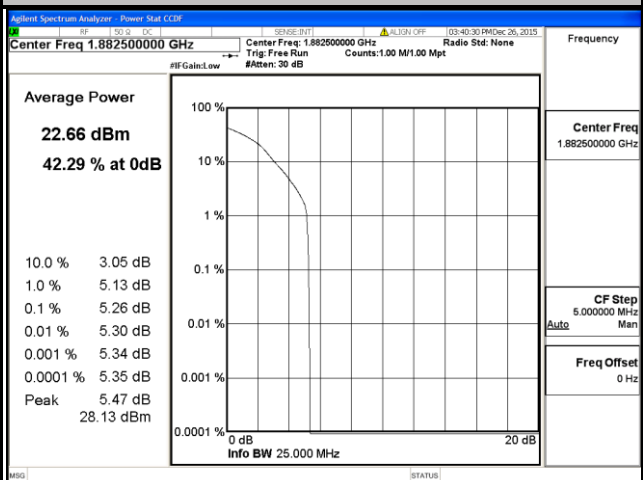
### 15 MHz / 16QAM



### 20 MHz / QPSK



### 20 MHz / 16QAM



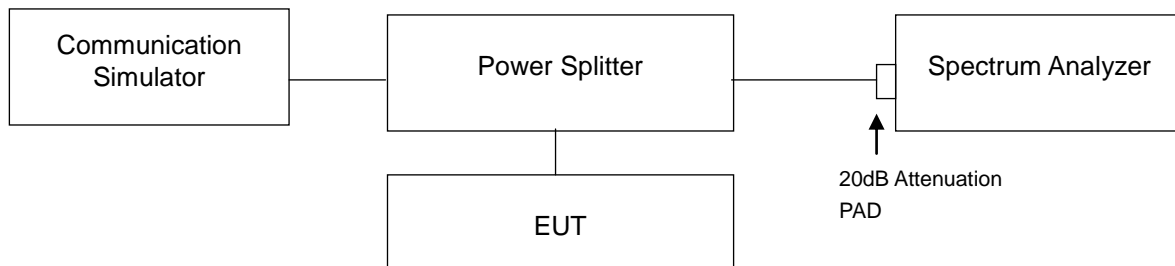


## 4.6 Conducted Spurious Emissions

### 4.6.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to  $-13$  dBm.

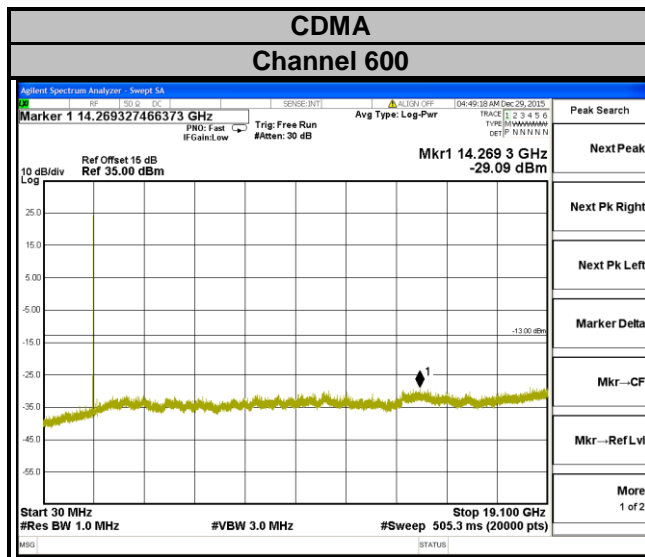
### 4.6.2 Test Setup



### 4.6.3 Test Procedure

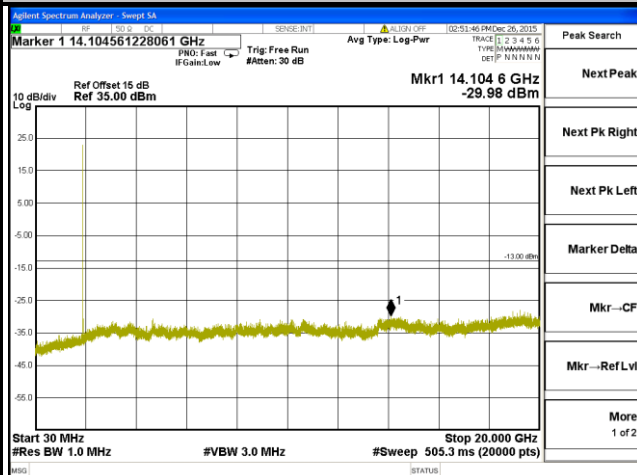
- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz to 9 GHz. 20 dB attenuation pad is connected with spectrum. RBW=1 MHz and VBW=3 MHz is used for conducted emission measurement.

#### 4.6.4 Test Results

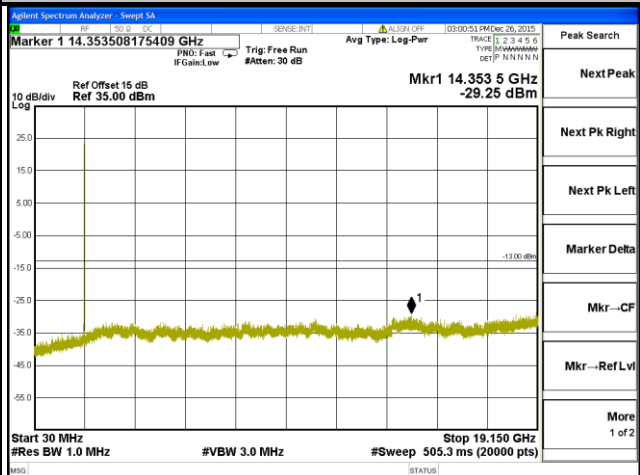


# LTE Band 25 Channel 26365

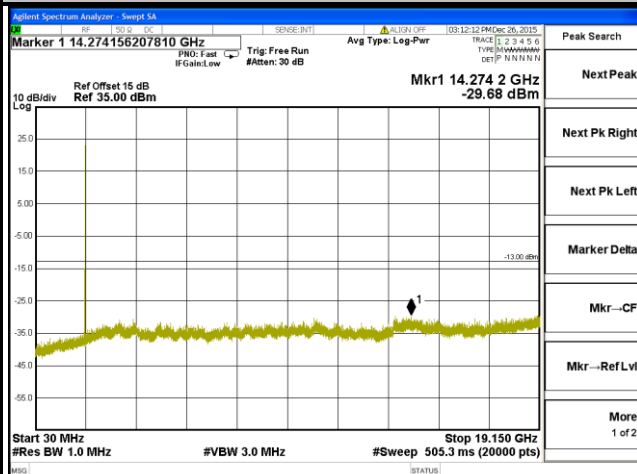
## Channel Bandwidth: 1.4 MHz



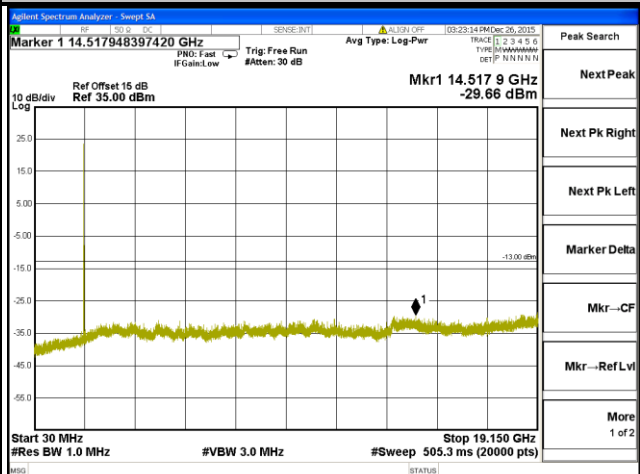
## Channel Bandwidth: 3 MHz



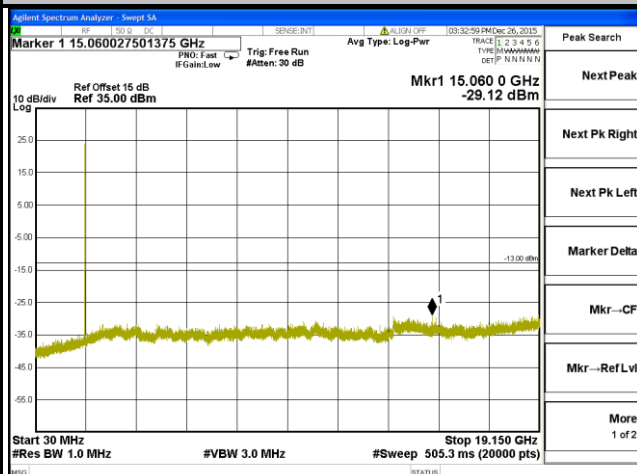
## Channel Bandwidth: 5 MHz



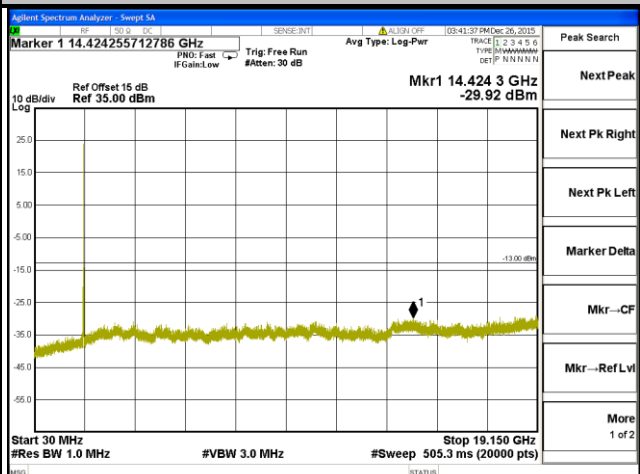
## Channel Bandwidth: 10 MHz



## Channel Bandwidth: 15 MHz



## Channel Bandwidth: 20 MHz



## 4.7 Radiated Emission Measurement

### 4.7.1 Limits of Radiated Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit is equal to  $-13$  dBm.

### 4.7.2 Test Procedure

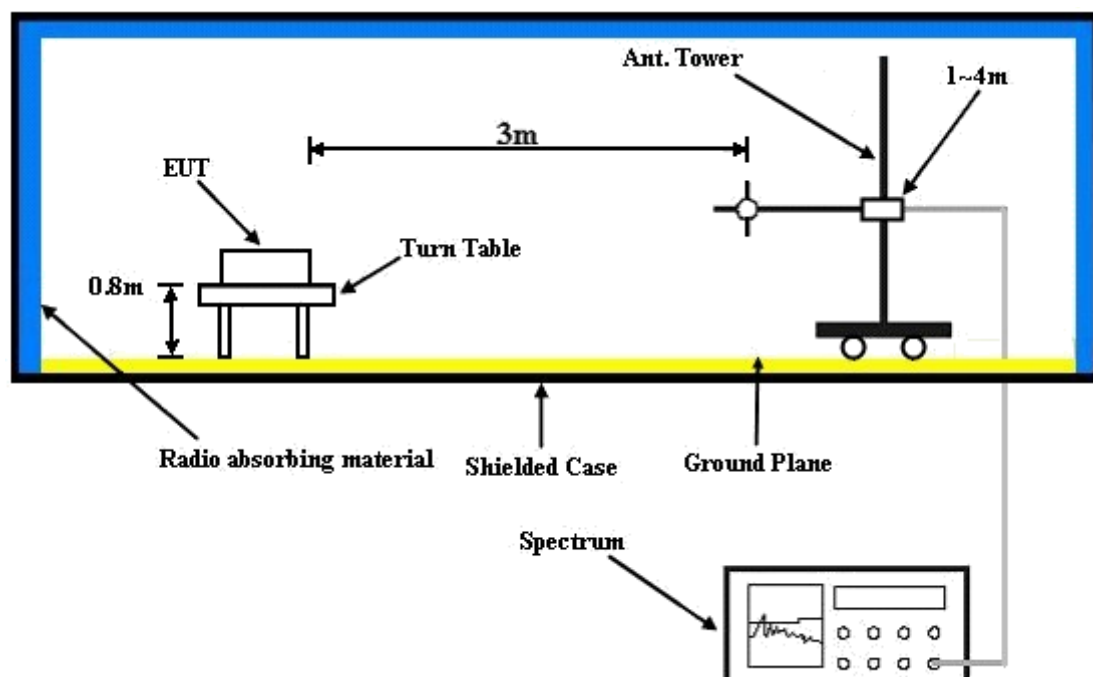
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15 dBi.

**NOTE:** The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

### 4.7.3 Deviation from Test Standard

No deviation.

### 4.7.4 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

# 4.7.5 Test Results

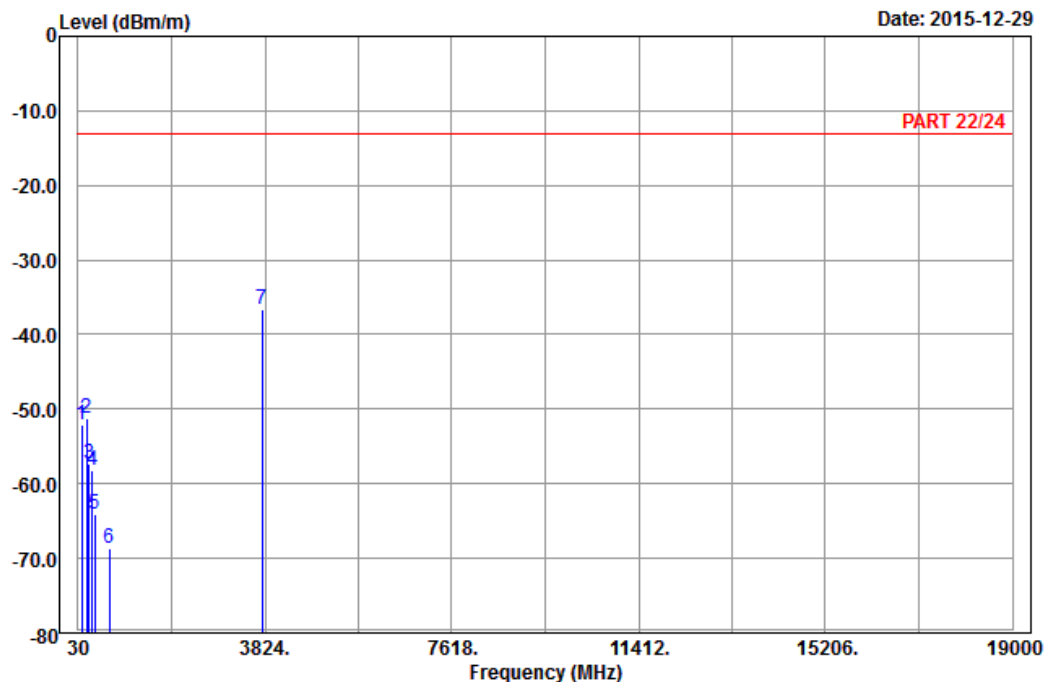
## CDMA:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13



Site : 966 chamber 1  
Condition: PART 22/24 3m Horizontal  
Remark : BC 1\_Link\_CH600  
Tested by: Charles Hsiao  
Plane : X

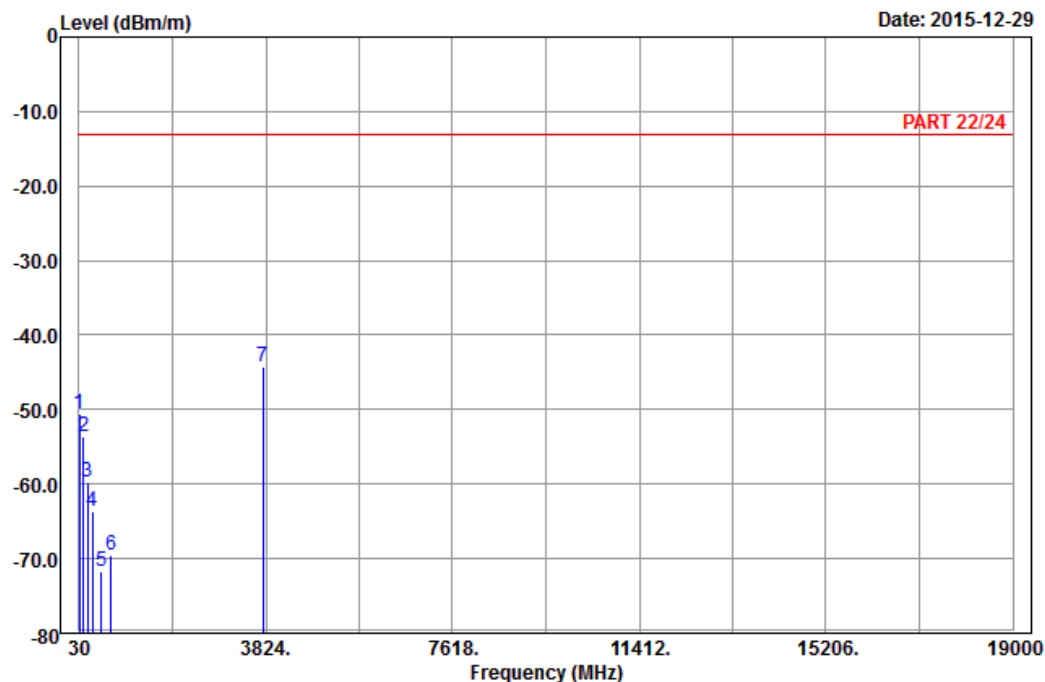
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	105.60	-52.00	-42.58	-13.00	-39.00	-9.42	Peak
2	202.26	-51.23	-45.09	-13.00	-38.23	-6.14	Peak
3	250.86	-57.25	-51.73	-13.00	-44.25	-5.52	Peak
4	316.80	-58.29	-52.53	-13.00	-45.29	-5.76	Peak
5	374.20	-64.17	-60.09	-13.00	-51.17	-4.08	Peak
6	657.70	-68.59	-68.42	-13.00	-55.59	-0.17	Peak
7 pp	3760.00	-36.65	-52.79	-13.00	-23.65	16.14	Peak



# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14



Site : 966 chamber 1  
Condition: PART 22/24 3m Vertical  
Remark : BC 1\_Link\_CH600  
Tested by: Charles Hsiao  
Plane : X

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	35.94	-50.53	-39.81	-13.00	-37.53	-10.72	Peak
2	118.56	-53.67	-45.29	-13.00	-40.67	-8.38	Peak
3	206.85	-59.68	-53.59	-13.00	-46.68	-6.09	Peak
4	307.70	-63.66	-57.79	-13.00	-50.66	-5.87	Peak
5	483.40	-71.73	-66.94	-13.00	-58.73	-4.79	Peak
6	681.50	-69.43	-69.14	-13.00	-56.43	-0.29	Peak
7 pp	3760.00	-44.24	-60.38	-13.00	-31.24	16.14	Peak

# LTE Band 25

Channel Bandwidth: 20 MHz / QPSK

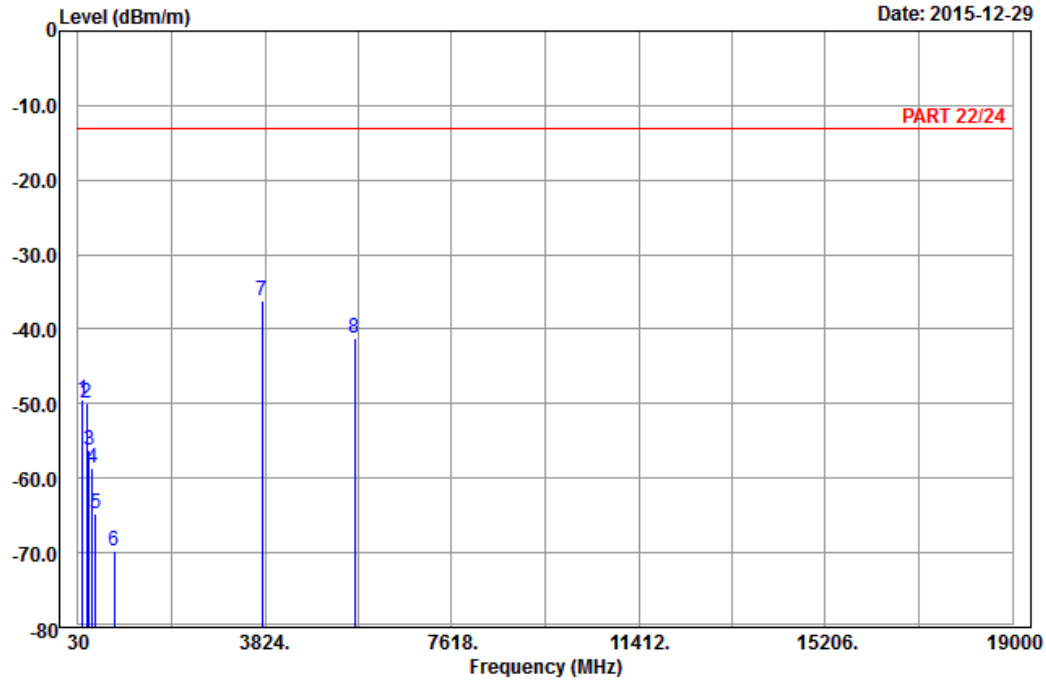


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13

Date: 2015-12-29



Site : 966 chamber 1

Condition: PART 22/24 3m Horizontal

Remark : LTE\_Band 25\_QPSK(1,0)\_20M\_CH26365

Tested by: Charles Hsiao

Plane : X

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	118.83	-49.50	-41.18	-13.00	-36.50	-8.32	Peak
2	206.58	-49.90	-43.81	-13.00	-36.90	-6.09	Peak
3	254.91	-56.33	-50.78	-13.00	-43.33	-5.55	Peak
4	321.00	-58.64	-52.93	-13.00	-45.64	-5.71	Peak
5	383.30	-64.77	-61.15	-13.00	-51.77	-3.62	Peak
6	762.70	-69.70	-69.22	-13.00	-56.70	-0.48	Peak
7 pp	3765.00	-36.24	-52.47	-13.00	-23.24	16.23	Peak
8	5647.50	-41.17	-61.64	-13.00	-28.17	20.47	Peak

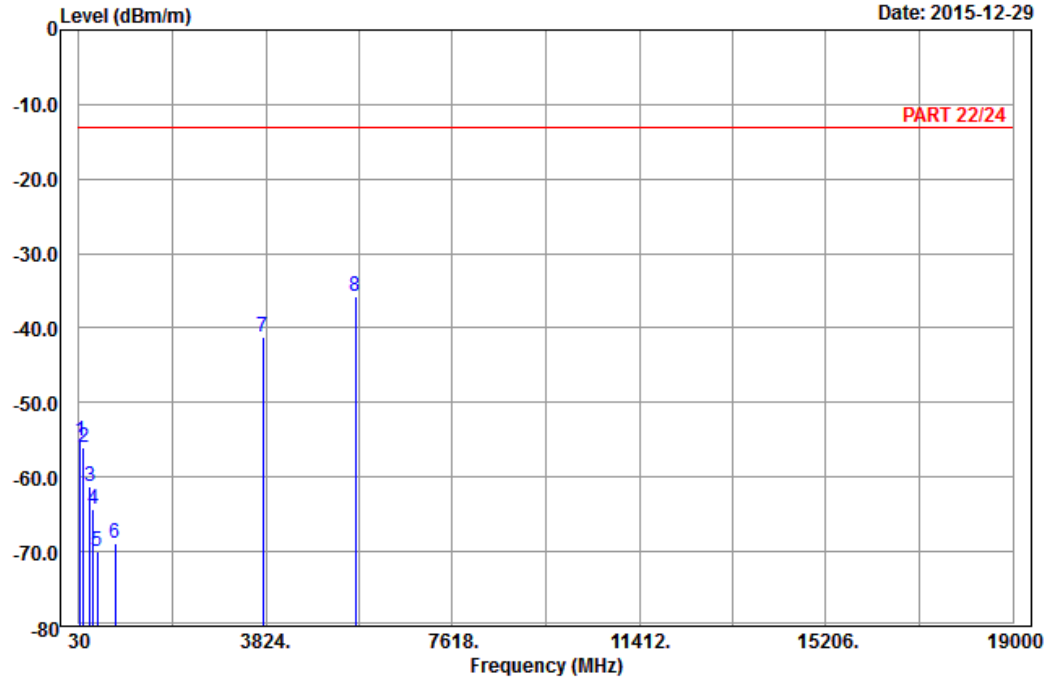


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14

Date: 2015-12-29



Site : 966 chamber 1  
Condition: PART 22/24 3m Vertical  
Remark : LTE\_Band 25\_QPSK(1,0)\_20M\_CH26365  
Tested by: Charles Hsiao  
Plane : X

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	47.01	-55.23	-42.12	-13.00	-42.23	-13.11	Peak
2	125.04	-56.00	-48.05	-13.00	-43.00	-7.95	Peak
3	251.67	-61.21	-55.69	-13.00	-48.21	-5.52	Peak
4	314.70	-64.23	-58.45	-13.00	-51.23	-5.78	Peak
5	396.60	-70.05	-67.15	-13.00	-57.05	-2.90	Peak
6	767.60	-68.93	-68.77	-13.00	-55.93	-0.16	Peak
7	3765.00	-41.29	-57.52	-13.00	-28.29	16.23	Peak
8 pp	5647.50	-35.81	-56.28	-13.00	-22.81	20.47	Peak



## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

## Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

**Linko EMC/RF Lab**

Tel: 886-2-26052180

Fax: 886-2-26051924

**Hsin Chu EMC/RF/Telecom Lab**

Tel: 886-3-6668565

Fax: 886-3-6668323

**Hwa Ya EMC/RF/Safety**

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

The address and road map of all our labs can be found in our web site also.

--- END ---