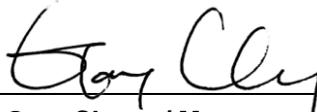


FCC Test Report

FCC ID : MXF-WLTXCS100
Equipment : B40/B41 TD-LTE/WiMAX Outdoor CPE
Model No. : WLTXCS-100
Brand Name : Gemtek
Applicant : Gemtek Technology Co., Ltd.
Address : No. 15-1 Zhonghua Road, Hsinchu Industrial
Park, Hukou, Hsinchu, Taiwan, 30352
Standard : 47 CFR FCC Part 27 Subpart M
Received Date : Jul. 09, 2014
Tested Date : Aug. 26 ~ Aug. 27, 2014

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:



Gary Chang / Manager



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	8
1.3	Test Setup Chart	8
1.4	The Equipment List	10
1.5	Test Standards	11
1.6	Measurement Uncertainty	11
2	TEST CONFIGURATION	12
2.1	Testing Condition and Location Information.....	12
2.2	The Worst Test Modes and Channel Details	12
3	TEST RESULTS.....	14
3.1	Output Power.....	14
3.2	Radiated Emissions.....	18
3.3	Conducted Emissions.....	31
3.4	Channel Edge.....	39
3.5	Emission and Occupied Bandwidth.....	70
3.6	Frequency Stability.....	78
4	TEST LABORATORY INFORMATION	83

Release Record

Report No.	Version	Description	Issued Date
FG470901	Rev. 01	Initial issue	Sep. 22, 2014

Summary of Test Results

FCC Rules	Description of Test	Measured	Result
2.1046 / 27.50(h)(2)	Output power	Conducted Power [dBm]: LTE: 23.81 WiMAX: 22.39	Pass
2.1053 / 27.53(l)(4)(6)	Radiated Emissions	Meet the requirement of limit	Pass
2.1051 / 27.53(l)(4)(6)	Conducted Emissions	Meet the requirement of limit	Pass
2.1051 / 27.53(l)(4)(6)	Channel Edge Measurement	Meet the requirement of limit	Pass
2.1049(h) / 27.53(l)(6)	Emission Bandwidth	Meet the requirement of limit	Pass
2.1055 / 27.54	Frequency Stability	Meet the requirement of limit	Pass

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

H/W Version	Mother board: V02A ; daughter board: V02
S/W Version	01.01.02.024
LTE Band 41	
Operating Frequency (MHz)	Channel Bandwidth: 5MHz: 2498.5 ~ 2687.5 Channel Bandwidth: 10MHz: 2501.0 ~ 2685.0 Channel Bandwidth: 15MHz: 2503.5 ~ 2682.5 Channel Bandwidth: 20MHz: 2506.0 ~ 2680.0
Modulation Type	Uplink : QPSK, 16QAM Downlink : QPSK, 16QAM, 64QAM
Duplex Mode	TDD
Category	4
Release Version	9
WiMAX	
Operating Frequency (MHz)	Channel Bandwidth: 5MHz: 2502.5 ~ 2687.5 Channel Bandwidth: 7MHz: 2503.5 ~ 2688.5 Channel Bandwidth: 10MHz: 2505.0 ~ 2685.0
Modulation Type	Uplink: QPSK 1/2, QPSK 3/4, 16QAM 1/2, 16QAM 3/4 Downlink: QPSK 1/2, QPSK 3/4, 16QAM 1/2, 16QAM 3/4, 64QAM 1/2, 64QAM 2/3, 64QAM 3/4, 64QAM 5/6
Modulation Technology	OFDMA
Multiple Access Method	TDMA
Duplex Mode	TDD

1.1.2 Maximum Conducted Power and Emission Designator

Mode	Modulation	Maximum Conducted Power (W)	Emission Designator
LTE Band 41, CB: 5MHz	QPSK	0.240	4M48G7D
LTE Band 41, CB: 5MHz	16QAM	0.209	4M46W7D
LTE Band 41, CB: 10MHz	QPSK	0.222	9M16G7D
LTE Band 41, CB: 10MHz	16QAM	0.192	9M14W7D
LTE Band 41, CB: 15MHz	QPSK	0.217	13M42G7D
LTE Band 41, CB: 15MHz	16QAM	0.186	13M40W7D
LTE Band 41, CB: 20MHz	QPSK	0.205	17M89G7D
LTE Band 41, CB: 20MHz	16QAM	0.166	17M85W7D

Mode	Modulation	Maximum Conducted Power (W)	Emission Designator
WiMAX, CB: 5MHz	QPSK	0.173	4M45G7D
WiMAX, CB: 5MHz	16QAM	0.172	4M46W7D
WiMAX, CB: 7MHz	QPSK	0.153	6M52G7D
WiMAX, CB: 7MHz	16QAM	0.138	6M51W7D
WiMAX, CB: 10MHz	QPSK	0.148	9M17G7D
WiMAX, CB: 10MHz	16QAM	0.126	9M14W7D

1.1.3 Antenna Details

Ant. No.	Type	Gain (dBi)	Connector	Remarks
1	Outdoor patch antenna	15.15	MHF	For LTE & WiMAX

1.1.4 EUT Operational Condition

Power Supply Type	56Vdc from POE		
Operational Climatic	<input checked="" type="checkbox"/> Tnom (20°C)	<input checked="" type="checkbox"/> Tmax (55°C)	<input checked="" type="checkbox"/> Tmin (-20°C)

1.1.5 Accessories

Accessories		
No.	Equipment	Description
1	POE	Brand Name: PHIHONG Model Name: PSM25R-560 Power Rating: I/P: 100-240Vac, 50-60Hz, 0.5A O/P: 56Vdc, 0.45A Power Line: DC 1.7m non-shielded cable with 1 core DC Output Connector: RJ45, 1m non-shielded cable w/o core

1.1.6 Operating Channel List

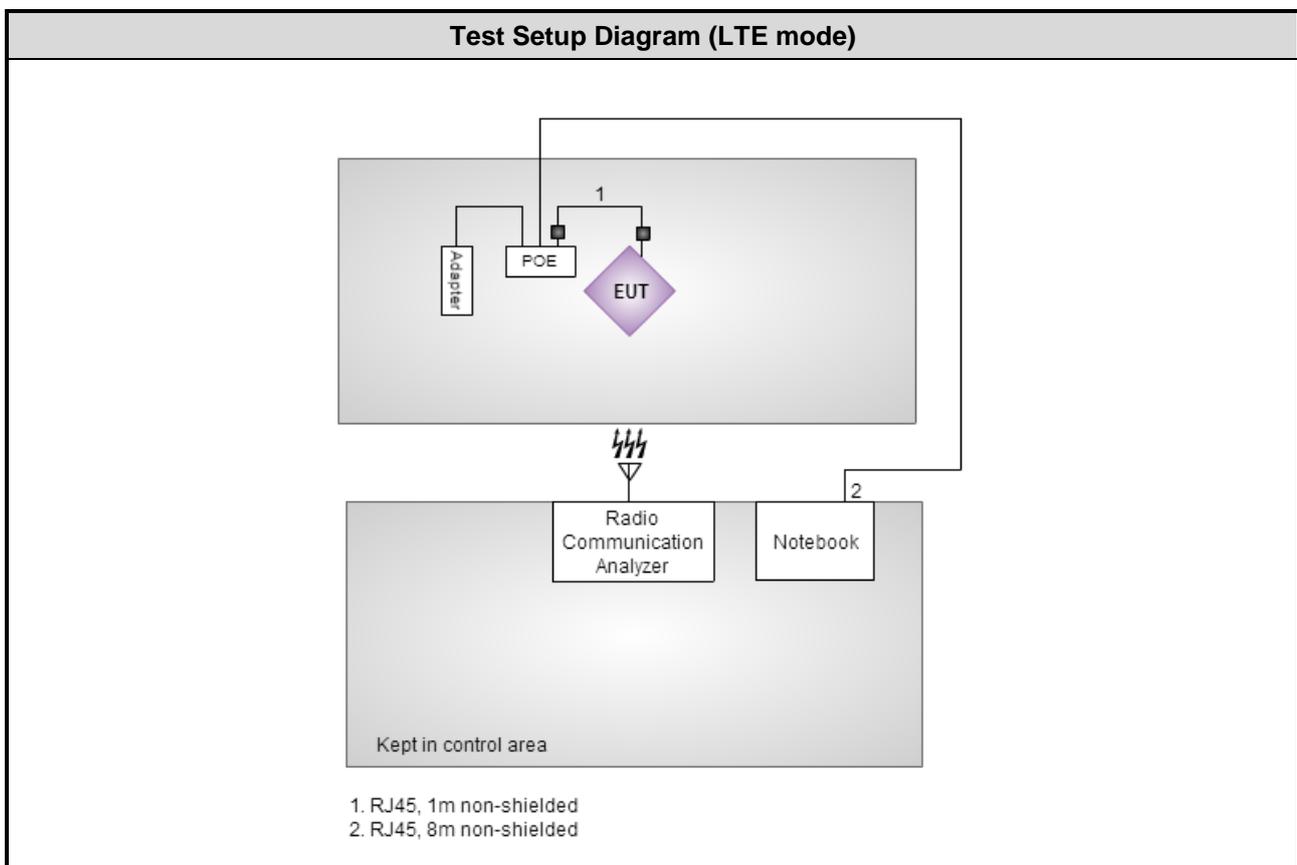
LTE Band 41		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
5	39675	2498.5
5	40620	2593.0
5	41565	2687.5
10	39700	2501.0
10	40620	2593.0
10	41540	2685.0
15	39725	2503.5
15	40620	2593.0
15	41515	2682.5
20	39750	2506.0
20	40620	2593.0
20	41490	2680.0

WiMAX Band	
Channel Bandwidth (MHz)	Frequency (MHz)
5	2502.5
5	2593.0
5	2687.5
7	2503.5
7	2593.0
7	2688.5
10	2505.0
10	2593.0
10	2685.0

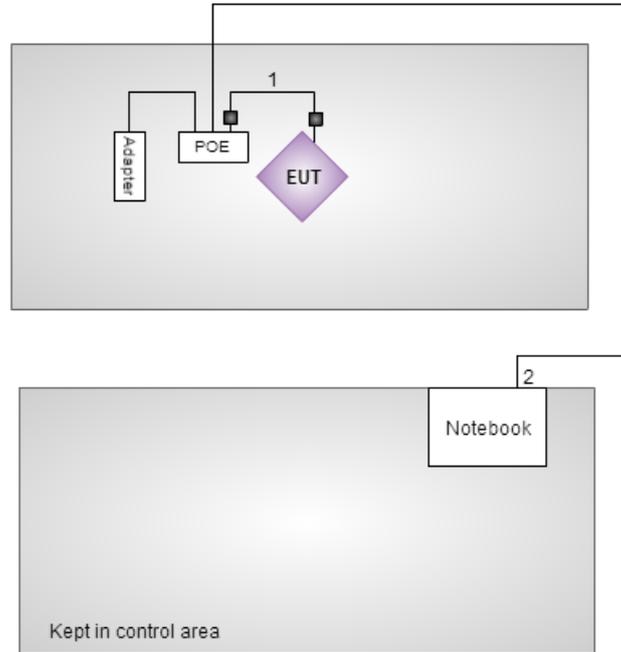
1.2 Local Support Equipment List

Support Equipment List						
No.	Equipment	Brand	Model	S/N	FCC ID	Signal cable / Length (m)
1	Notebook	DELL	E6430	---	---	RJ45, 8m non-shielded w/o core.

1.3 Test Setup Chart



Test Setup Diagram (WiMAX mode)



- 1. RJ45, 1m non-shielded
- 2. RJ45, 8m non-shielded

1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber 1 / (03CH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Jan. 25, 2014	Jan. 24, 2015
Receiver	R&S	ESR3	101658	Jan. 10, 2014	Jan. 09, 2015
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jan. 02, 2014	Jan. 01, 2015
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Feb. 13, 2014	Feb. 12, 2015
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Dec. 27, 2013	Dec. 26, 2014
Preamplifier	Burgeon	BPA-530	SN:100219	Nov. 28, 2013	Nov. 27, 2014
Preamplifier	Agilent	83017A	MY39501308	Dec. 16, 2013	Dec. 15, 2014
Preamplifier	WM	TF-130N-R1	923365	Oct. 23, 2013	Oct. 22, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Dec. 16, 2013	Dec. 15, 2014
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16139/4	Dec. 16, 2013	Dec. 15, 2014
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Dec. 16, 2013	Dec. 15, 2014
LF cable 10M	Woken	CFD400NL-LW	CFD400NL-002	Dec. 16, 2013	Dec. 15, 2014
Note: Calibration Interval of instruments listed above is one year.					

Loop Antenna	R&S	HFH2-Z2	100330	Nov. 15, 2012	Nov. 14, 2014
Note: Calibration Interval of instruments listed above is two year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Feb. 17, 2014	Feb. 16, 2015
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Dec. 11, 2013	Dec. 10, 2014
Power Meter	Anritsu	ML2495A	1241002	Oct. 24, 2013	Oct. 23, 2014
Power Sensor	Anritsu	MA2411B	1207366	Oct. 24, 2013	Oct. 23, 2014
Radio Communication Analyzer	Anritsu	MT8820C	6201240341	Mar. 18, 2014	Mar. 17, 2015
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards.

47 CFR FCC Part 27 Subpart M

ANSI C63.4-2003

ANSI / TIA / EIA-603-C -2004

KDB 971168 D01 Power Meas License Digital Systems v02r01

KDB 412172 D01 Determining ERP and EIRP v01

1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.134 Hz
Conducted power	± 0.808 dB
Frequency error	± 34.134 Hz
Conducted emission	± 2.670 dB
AC conducted emission	± 2.92 dB
Radiated emission < 1GHz	± 3.26 dB
Radiated emission > 1GHz	± 4.94 dB
Temperature	± 0.6 °C

2 Test Configuration

2.1 Testing Condition and Location Information

Test Item	Test Site	Ambient Condition	Tested By
RF conducted	TH01-WS	21°C / 64%	Felix Sung
Radiated Emissions	03CH01-WS	23°C / 64%	Haru Yang

➤ FCC site registration No.: 657002

➤ IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

LTE				
Test item	Channel Bandwidth	Modulation	Test Frequencies (MHz)	Test Configuration
E.I.R.P Conducted Emissions Occupied Bandwidth Peak to Average Ratio	5 MHz 10 MHz 15 MHz 20 MHz	QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM	2498.5 / 2593.0 / 2687.5 2501.0 / 2593.0 / 2685.0 2503.5 / 2593.0 / 2682.5 2506.0 / 2593.0 / 2680.0	---
Radiated Emission ≤ 1GHz	5 MHz 10 MHz 15 MHz 20 MHz	QPSK QPSK QPSK QPSK	2498.5 2501.0 2503.5 2506.0	---
Radiated Emission > 1GHz	5 MHz 10 MHz 15 MHz 20 MHz	QPSK QPSK QPSK QPSK	2498.5 / 2593.0 / 2687.5 2501.0 / 2593.0 / 2685.0 2503.5 / 2593.0 / 2682.5 2506.0 / 2593.0 / 2680.0	---
Band Edge	5 MHz 10 MHz 15 MHz 20 MHz	QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM	2498.5 / 2687.5 2501.0 / 2685.0 2503.5 / 2682.5 2506.0 / 2680.0	---
Frequency Stability	5 MHz 10 MHz 15 MHz 20 MHz	---	2593.0 2593.0 2593.0 2593.0	---

NOTE: The EUT supports TX diversity function: Antenna Port 0 & 1. After pre-test, Antenna Port1 has the worst emission value, therefore the following test results came out from this antenna port.

WiMAX				
Test item	Channel Bandwidth	Modulation	Test Frequencies (MHz)	Test Configuration
E.I.R.P Conducted Emissions Occupied Bandwidth Peak to Average Ratio	5 MHz 7 MHz 10 MHz	QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM	2502.5 / 2593.0 / 2687.5 2503.5 / 2593.0 / 2688.5 2505.0 / 2593.0 / 2685.0	---
Radiated Emission \leq 1GHz	5 MHz 7 MHz 10 MHz	QPSK QPSK QPSK	2687.5 2503.5 2505.0	---
Radiated Emission $>$ 1GHz	5 MHz 7 MHz 10 MHz	QPSK QPSK QPSK	2502.5 / 2593.0 / 2687.5 2503.5 / 2593.0 / 2688.5 2505.0 / 2593.0 / 2685.0	---
Band Edge	5 MHz 7 MHz 10 MHz	QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM	2502.5 / 2687.5 2503.5 / 2688.5 2505.0 / 2685.0	---
Frequency Stability	5 MHz 7 MHz 10 MHz	---	2593.0 2593.0 2593.0	---
NOTE: The EUT supports TX diversity function: Antenna Port 0 & 1. After pre-test, Antenna Port1 has the worst emission value, therefore the following test results came out from this antenna port.				

3 Test Results

3.1 Output Power

3.1.1 Limit of Output Power

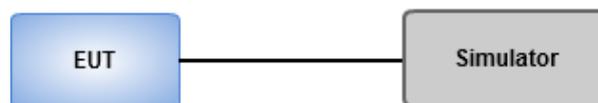
All user stations are limited to 2.0 watts transmitter output power.

3.1.2 Test Procedures

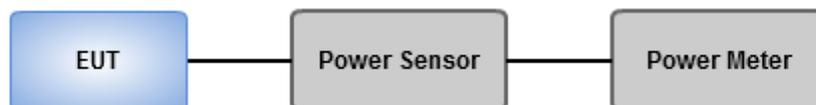
1. The EUT links up with simulator and is set to maximum output power level at low / middle / high channel.
2. Measure the output power of low / middle / high channel of the EUT

3.1.3 Test Setup

For LTE mode



For Wimax mode



3.1.4 Test Result of Conducted power (dBm)_LTE

Band / Channel Bandwidth			LTE Band 41 / CB: 5MHz		
Channel			39675	40620	41565
Frequency (MHz)			2498.5	2593.0	2687.5
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	23.73	22.98	22.87
	1	24	23.81	22.95	22.54
	12	6	22.75	21.92	21.61
	25	0	22.80	21.99	21.61
16QAM	1	0	23.20	22.40	22.19
	1	24	23.15	22.33	21.98
	12	6	21.74	20.86	20.49
	25	0	21.72	20.87	20.51

Band / Channel Bandwidth			LTE Band 41 / CB: 10MHz		
Channel			39700	40620	41540
Frequency (MHz)			2501.0	2593.0	2685.0
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	23.30	22.89	22.73
	1	49	23.47	22.70	22.38
	25	12	22.43	21.89	21.59
	50	0	22.40	21.77	21.54
16QAM	1	0	22.62	22.23	22.10
	1	49	22.83	22.13	21.82
	25	12	21.40	20.95	20.60
	50	0	21.42	20.86	20.50

Band / Channel Bandwidth			LTE Band 41 / CB: 15MHz		
Channel			39725	40620	41515
Frequency (MHz)			2503.5	2593.0	2682.5
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	23.23	22.94	22.80
	1	74	23.36	22.56	22.26
	36	18	22.18	21.56	21.43
	75	0	22.16	21.59	21.27
16QAM	1	0	22.29	22.03	21.88
	1	74	22.69	21.89	21.51
	36	18	21.09	20.55	20.26
	75	0	21.05	20.56	20.30

Band / Channel Bandwidth			LTE Band 41 / CB: 20MHz		
Channel			39750	40620	41490
Frequency (MHz)			2506.0	2593.0	2680.0
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	22.67	22.44	22.44
	1	99	23.12	22.14	21.69
	50	25	21.83	21.24	20.99
	100	0	21.74	21.18	21.01
16QAM	1	0	21.84	21.56	21.53
	1	99	22.19	21.37	20.90
	50	25	20.78	20.21	20.03
	100	0	20.70	20.18	19.92

3.1.5 Test Result of Conducted power (dBm)_WiMAX

Channel Bandwidth (MHz)	Modulation	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)
5	QPSK	2502.5	22.33	33
5	QPSK	2593.0	22.08	33
5	QPSK	2687.5	22.39	33
5	16QAM	2502.5	21.89	33
5	16QAM	2593.0	21.88	33
5	16QAM	2687.5	22.36	33

Channel Bandwidth (MHz)	Modulation	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)
7	QPSK	2503.5	21.85	33
7	QPSK	2593.0	21.82	33
7	QPSK	2688.5	21.81	33
7	16QAM	2503.5	21.39	33
7	16QAM	2593.0	21.28	33
7	16QAM	2688.5	20.98	33

Channel Bandwidth (MHz)	Modulation	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)
10	QPSK	2505.0	21.69	33
10	QPSK	2593.0	21.28	33
10	QPSK	2685.0	21.34	33
10	16QAM	2505.0	20.98	33
10	16QAM	2593.0	21.02	33
10	16QAM	2685.0	20.87	33

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

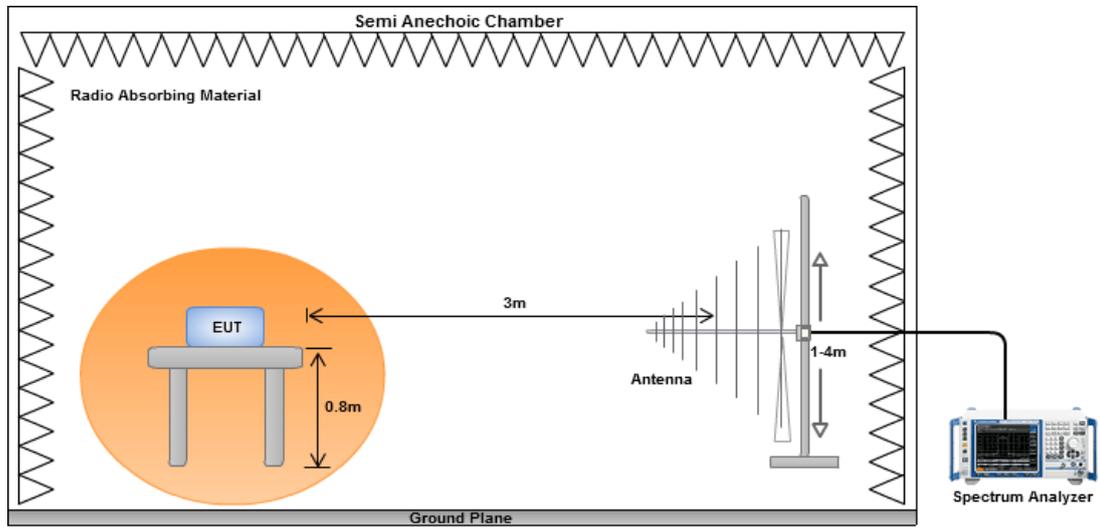
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB equal to -25dBm.

3.2.2 Test Procedures

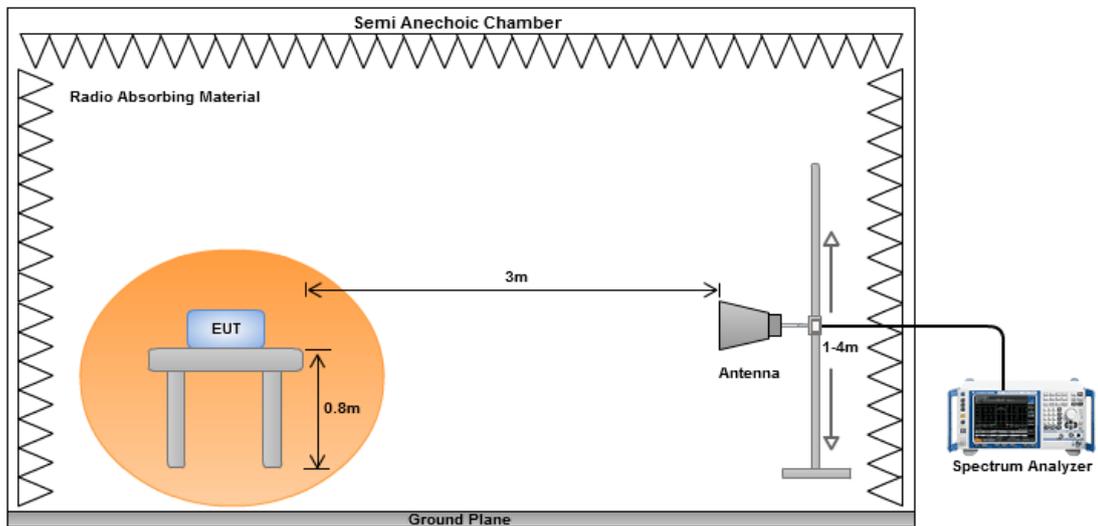
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.
4. After finding the max radiated emission, substitution method will be used for getting effective radiated power. EUT will be removed and substitution antenna will be placed at same position. Signal generator will output CW signal to substitution antenna through a RF cable. Rotate turntable and move antenna to find maximum radiated emission. Adjust output power of signal generator to let the maximum radiated emission is same as step 3. Record the output power level.
5. $E.I.R.P = \text{output power of step 4} + \text{gain of substitution antenna} - \text{cable loss of RF cable}$.

3.2.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.2.4 Test Result of Radiated Emissions below 1GHz_LTE

Mode		LTE Band 41, CB: 5MHz, 1RB, Offset 24, Channel: 2498.5MHz					
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
40.89	H	-46.91	-25.00	-21.91	-45.42	-34.74	-12.17
62.73	H	-45.24	-25.00	-20.24	-37.53	-37.40	-7.84
132.38	H	-52.88	-25.00	-27.88	-43.54	-51.77	-1.11
324.51	H	-52.64	-25.00	-27.64	-44.38	-56.95	4.31
475.67	H	-48.14	-25.00	-23.14	-43.24	-52.24	4.10
675.36	H	-52.99	-25.00	-27.99	-50.65	-56.83	3.84
40.63	V	-45.84	-25.00	-20.84	-35.50	-33.63	-12.21
67.47	V	-38.45	-25.00	-13.45	-27.48	-32.19	-6.26
275.31	V	-54.21	-25.00	-29.21	-48.21	-58.49	4.28
475.38	V	-51.97	-25.00	-26.97	-47.56	-56.07	4.10
625.26	V	-55.12	-25.00	-30.12	-55.39	-58.97	3.85
675.48	V	-53.02	-25.00	-28.02	-53.40	-56.86	3.84

Note: EIRP = S.G Power value + Correction factor.

Mode		LTE Band 41, CB: 10MHz, 1RB, Offset 49, Channel: 2501.0MHz					
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
40.25	H	-46.47	-25.00	-21.47	-44.95	-34.21	-12.26
62.87	H	-45.18	-25.00	-20.18	-37.48	-37.38	-7.80
132.42	H	-52.73	-25.00	-27.73	-43.40	-51.62	-1.11
324.71	H	-52.69	-25.00	-27.69	-44.44	-57.00	4.31
475.49	H	-48.23	-25.00	-23.23	-43.32	-52.33	4.10
675.34	H	-52.41	-25.00	-27.41	-50.07	-56.25	3.84
40.79	V	-45.89	-25.00	-20.89	-35.60	-33.70	-12.19
67.38	V	-39.11	-25.00	-14.11	-28.15	-32.82	-6.29
275.36	V	-54.82	-25.00	-29.82	-48.82	-59.10	4.28
475.42	V	-52.94	-25.00	-27.94	-48.53	-57.04	4.10
625.71	V	-54.77	-25.00	-29.77	-55.04	-58.62	3.85
675.49	V	-53.14	-25.00	-28.14	-53.52	-56.98	3.84

Note: EIRP = S.G Power value + Correction factor.

Mode		LTE Band 41, CB: 15MHz, 1RB, Offset 74, Channel: 2503.5MHz					
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
40.63	H	-45.87	-25.00	-20.87	-44.37	-33.66	-12.21
62.78	H	-45.96	-25.00	-20.96	-38.25	-38.13	-7.83
132.45	H	-52.89	-25.00	-27.89	-43.56	-51.78	-1.11
324.73	H	-52.46	-25.00	-27.46	-44.21	-56.77	4.31
475.36	H	-48.25	-25.00	-23.25	-43.34	-52.35	4.10
675.96	H	-52.71	-25.00	-27.71	-50.38	-56.55	3.84
40.33	V	-45.94	-25.00	-20.94	-35.51	-33.69	-12.25
67.63	V	-38.02	-25.00	-13.02	-27.02	-31.82	-6.20
275.41	V	-54.83	-25.00	-29.83	-48.83	-59.11	4.28
475.38	V	-52.46	-25.00	-27.46	-48.05	-56.56	4.10
625.62	V	-54.55	-25.00	-29.55	-54.82	-58.40	3.85
675.58	V	-53.71	-25.00	-28.71	-54.09	-57.55	3.84

Note: EIRP = S.G Power value + Correction factor.

Mode		LTE Band 41, CB: 20MHz, 1RB, Offset 99, Channel: 2506.0MHz					
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
40.33	H	-46.75	-25.00	-21.75	-45.23	-34.50	-12.25
62.87	H	-45.36	-25.00	-20.36	-37.66	-37.56	-7.80
132.26	H	-52.51	-25.00	-27.51	-43.16	-51.41	-1.10
324.45	H	-52.17	-25.00	-27.17	-43.90	-56.48	4.31
475.23	H	-49.23	-25.00	-24.23	-44.32	-53.33	4.10
675.84	H	-52.45	-25.00	-27.45	-50.12	-56.29	3.84
40.62	V	-45.44	-25.00	-20.44	-35.09	-33.23	-12.21
67.28	V	-38.25	-25.00	-13.25	-27.31	-31.93	-6.32
275.32	V	-54.93	-25.00	-29.93	-48.93	-59.21	4.28
475.41	V	-52.24	-25.00	-27.24	-47.83	-56.34	4.10
625.76	V	-54.93	-25.00	-29.93	-55.20	-58.78	3.85
675.49	V	-53.23	-25.00	-28.23	-53.61	-57.07	3.84

Note: EIRP = S.G Power value + Correction factor.

3.2.5 Test Result of Radiated Emissions above 1GHz_LTE

Mode							
LTE Band 41, CB: 5MHz, 1RB, Offset 24, Channel: 2498.5MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5001.61	H	-43.46	-25.00	-18.46	-60.50	-49.31	5.85
7502.05	H	-42.04	-25.00	-17.04	-63.60	-44.99	2.95
10002.39	H	-37.59	-25.00	-12.59	-62.87	-38.74	1.15
5001.61	V	-44.49	-25.00	-19.49	-59.22	-50.34	5.85
7502.05	V	-41.82	-25.00	-16.82	-62.14	-44.77	2.95
10002.39	V	-40.83	-25.00	-15.83	-64.04	-41.98	1.15

Mode							
LTE Band 41, CB: 5MHz, 1RB, Offset 24, Channel: 2593.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5190.00	H	-46.71	-25.00	-21.71	-63.79	-52.55	5.84
7785.00	H	-42.58	-25.00	-17.58	-63.25	-44.88	2.30
10380.00	H	-38.07	-25.00	-13.07	-63.18	-38.76	0.69
5190.00	V	-47.28	-25.00	-22.28	-63.28	-53.12	5.84
7785.00	V	-42.90	-25.00	-17.90	-62.75	-45.20	2.30
10380.00	V	-39.86	-25.00	-14.86	-63.09	-40.55	0.69

Mode							
LTE Band 41, CB: 5MHz, 1RB, Offset 24, Channel: 2687.5MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5379.25	H	-44.56	-25.00	-19.56	-61.30	-50.46	5.90
8069.15	H	-38.95	-25.00	-13.95	-61.97	-41.44	2.49
10758.56	H	-39.28	-25.00	-14.28	-63.82	-39.59	0.31
5379.25	V	-42.31	-25.00	-17.31	-57.89	-48.21	5.90
8069.15	V	-38.92	-25.00	-13.92	-61.06	-41.41	2.49
10758.56	V	-40.32	-25.00	-15.32	-63.46	-40.63	0.31

Note: EIRP = S.G Power value + Correction factor.

Mode							
LTE Band 41, CB: 10MHz, 1RB, Offset 49, Channel: 2501.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5011.80	H	-43.58	-25.00	-18.58	-60.62	-49.43	5.85
7517.70	H	-42.35	-25.00	-17.35	-63.86	-45.31	2.96
10023.60	H	-37.84	-25.00	-12.84	-63.11	-38.96	1.12
5011.80	V	-44.35	-25.00	-19.35	-59.15	-50.20	5.85
7517.70	V	-41.98	-25.00	-16.98	-62.36	-44.94	2.96
10023.60	V	-40.74	-25.00	-15.74	-63.95	-41.86	1.12

Mode							
LTE Band 41, CB: 10MHz, 1RB, Offset 49, Channel: 2593.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5195.80	H	-46.23	-25.00	-21.23	-63.31	-52.07	5.84
7793.70	H	-42.87	-25.00	-17.87	-63.50	-45.13	2.26
10391.60	H	-38.54	-25.00	-13.54	-63.64	-39.21	0.67
5195.80	V	-47.54	-25.00	-22.54	-63.58	-53.38	5.84
7793.70	V	-42.67	-25.00	-17.67	-62.48	-44.93	2.26
10391.60	V	-39.77	-25.00	-14.77	-63.00	-40.44	0.67

Mode							
LTE Band 41, CB: 10MHz, 1RB, Offset 49, Channel: 2685.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5379.80	H	-44.83	-25.00	-19.83	-61.57	-50.73	5.90
8069.70	H	-39.12	-25.00	-14.12	-62.13	-41.61	2.49
10759.60	H	-39.55	-25.00	-14.55	-64.09	-39.86	0.31
5379.50	V	-42.28	-25.00	-17.28	-57.85	-48.18	5.90
8069.70	V	-39.14	-25.00	-14.14	-61.28	-41.63	2.49
10759.60	V	-40.86	-25.00	-15.86	-64.00	-41.17	0.31

Note: EIRP = S.G Power value + Correction factor.

Mode							
LTE Band 41, CB: 15MHz, 1RB, Offset 74, Channel: 2503.5MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5021.80	H	-43.53	-25.00	-18.53	-60.57	-49.38	5.85
7532.70	H	-42.94	-25.00	-17.94	-64.42	-45.91	2.97
10043.60	H	-37.72	-25.00	-12.72	-62.98	-38.82	1.10
5021.80	V	-44.84	-25.00	-19.84	-59.71	-50.69	5.85
7532.70	V	-41.99	-25.00	-16.99	-62.43	-44.96	2.97
10043.60	V	-41.25	-25.00	-16.25	-64.47	-42.35	1.10

Mode							
LTE Band 41, CB: 15MHz, 1RB, Offset 74, Channel: 2593.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5200.80	H	-47.24	-25.00	-22.24	-64.32	-53.08	5.84
7801.20	H	-42.89	-25.00	-17.89	-63.52	-45.13	2.24
10401.60	H	-38.54	-25.00	-13.54	-63.64	-39.20	0.66
5200.80	V	-47.56	-25.00	-22.56	-63.63	-53.40	5.84
7801.20	V	-43.21	-25.00	-18.21	-63.01	-45.45	2.24
10401.60	V	-40.15	-25.00	-15.15	-63.38	-40.81	0.66

Mode							
LTE Band 41, CB: 15MHz, 1RB, Offset 74, Channel: 2682.5MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5379.80	H	-45.12	-25.00	-20.12	-61.86	-51.02	5.90
8069.70	H	-39.74	-25.00	-14.74	-62.75	-42.23	2.49
10759.60	H	-39.67	-25.00	-14.67	-64.21	-39.98	0.31
5379.80	V	-42.78	-25.00	-17.78	-58.35	-48.68	5.90
80.69.7	V	-39.38	-25.00	-14.38	-61.52	-41.87	2.49
10759.60	V	-40.86	-25.00	-15.86	-64.00	-41.17	0.31

Note: EIRP = S.G Power value + Correction factor.

Mode							
LTE Band 41, CB: 20MHz, 1RB, Offset 99, Channel: 2506.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5031.80	H	-43.92	-25.00	-18.92	-60.97	-49.77	5.85
7547.70	H	-42.34	-25.00	-17.34	-63.78	-45.32	2.98
10063.60	H	-38.29	-25.00	-13.29	-63.54	-39.36	1.07
5031.80	V	-44.84	-25.00	-19.84	-59.77	-50.69	5.85
7547.70	V	-42.67	-25.00	-17.67	-63.16	-45.65	2.98
10063.60	V	-41.35	-25.00	-16.35	-64.56	-42.42	1.07

Mode							
LTE Band 41, CB: 20MHz, 1RB, Offset 99, Channel: 2593.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5205.80	H	-46.85	-25.00	-21.85	-63.92	-52.69	5.84
7808.70	H	-43.03	-25.00	-18.03	-63.78	-45.27	2.24
10411.60	H	-39.18	-25.00	-14.18	-64.27	-39.83	0.65
5205.80	V	-47.67	-25.00	-22.67	-63.72	-53.51	5.84
7808.70	V	-43.35	-25.00	-18.35	-63.25	-45.59	2.24
10411.60	V	-40.75	-25.00	-15.75	-63.98	-41.40	0.65

Mode							
LTE Band 41, CB: 20MHz, 1RB, Offset 99, Channel: 2680.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5379.80	H	-44.91	-25.00	-19.91	-61.65	-50.81	5.90
8069.70	H	-39.46	-25.00	-14.46	-62.47	-41.95	2.49
10759.60	H	-39.87	-25.00	-14.87	-64.41	-40.18	0.31
5379.80	V	-42.61	-25.00	-17.61	-58.18	-48.51	5.90
8069.70	V	-38.95	-25.00	-13.95	-61.09	-41.44	2.49
10759.60	V	-40.85	-25.00	-15.85	-63.99	-41.16	0.31

Note: EIRP = S.G Power value + Correction factor.

3.2.6 Test Result of Radiated Emissions below 1GHz_WiMAX

Mode		WiMAX, CB: 5MHz, QPSK 1/2, Channel: 2687.5MHz					
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
40.67	H	-46.31	-25.00	-21.31	-44.81	-34.11	-12.20
62.98	H	-44.58	-25.00	-19.58	-36.88	-36.82	-7.76
145.43	H	-54.17	-25.00	-29.17	-45.35	-52.95	-1.22
375.32	H	-52.25	-25.00	-27.25	-45.92	-56.60	4.35
475.23	H	-48.53	-25.00	-23.53	-43.62	-52.63	4.10
675.05	H	-53.15	-25.00	-28.15	-50.81	-56.99	3.84
65.89	V	-37.92	-25.00	-12.92	-27.24	-31.14	-6.78
226.91	V	-55.26	-25.00	-30.26	-48.56	-59.64	4.38
274.44	V	-54.32	-25.00	-29.32	-48.33	-58.61	4.29
375.32	V	-55.63	-25.00	-30.63	-49.68	-59.98	4.35
475.23	V	-50.97	-25.00	-25.97	-46.56	-55.07	4.10
675.05	V	-53.31	-25.00	-28.31	-53.69	-57.15	3.84

Note: EIRP = S.G Power value + Correction factor.

Mode		WiMAX, CB: 7MHz, QPSK 1/2, Channel: 2503.5MHz					
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
40.67	H	-46.99	-25.00	-21.99	-45.49	-34.79	-12.20
62.98	H	-45.09	-25.00	-20.09	-37.39	-37.33	-7.76
132.82	H	-52.41	-25.00	-27.41	-43.10	-51.29	-1.12
324.88	H	-52.72	-25.00	-27.72	-44.48	-57.03	4.31
475.23	H	-48.62	-25.00	-23.62	-43.71	-52.72	4.10
675.05	H	-52.88	-25.00	-27.88	-50.54	-56.72	3.84
40.67	V	-46.74	-25.00	-21.74	-36.41	-34.54	-12.20
67.83	V	-38.63	-25.00	-13.63	-27.59	-32.50	-6.13
274.44	V	-54.88	-25.00	-29.88	-48.89	-59.17	4.29
475.23	V	-52.64	-25.00	-27.64	-48.23	-56.74	4.10
625.58	V	-54.25	-25.00	-29.25	-54.52	-58.10	3.85
675.05	V	-53.49	-25.00	-28.49	-53.87	-57.33	3.84

Note: EIRP = S.G Power value + Correction factor.

Mode		WiMAX, CB: 10MHz, QPSK 1/2, Channel: 2505.0MHz					
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
40.39	H	-46.12	-25.00	-21.12	-44.61	-33.88	-12.24
62.86	H	-45.81	-25.00	-20.81	-38.11	-38.01	-7.80
132.45	H	-52.39	-25.00	-27.39	-43.06	-51.28	-1.11
324.96	H	-52.87	-25.00	-27.87	-44.63	-57.18	4.31
475.38	H	-48.11	-25.00	-23.11	-43.20	-52.21	4.10
675.32	H	-53.02	-25.00	-28.02	-50.68	-56.86	3.84
40.85	V	-45.11	-25.00	-20.11	-34.83	-32.93	-12.18
67.92	V	-38.43	-25.00	-13.43	-27.37	-32.33	-6.10
274.56	V	-54.65	-25.00	-29.65	-48.65	-58.94	4.29
475.61	V	-52.89	-25.00	-27.89	-48.49	-56.99	4.10
625.14	V	-54.52	-25.00	-29.52	-54.79	-58.37	3.85
675.43	V	-53.56	-25.00	-28.56	-53.94	-57.40	3.84

Note: EIRP = S.G Power value + Correction factor.

3.2.7 Test Result of Radiated Emissions above 1GHz_WiMAX

Mode							
WiMAX, CB: 5MHz, QPSK 1/2, Channel: 2687.5MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5005.00	H	-47.33	-25.00	-22.33	-64.37	-53.18	5.85
7507.50	H	-42.98	-25.00	-17.98	-64.52	-45.93	2.95
10010.00	H	-38.74	-25.00	-13.74	-64.01	-39.88	1.14
5005.00	V	-49.07	-25.00	-24.07	-63.82	-54.92	5.85
7507.50	V	-43.84	-25.00	-18.84	-64.19	-46.79	2.95
10010.00	V	-41.42	-25.00	-16.42	-64.63	-42.56	1.14

Mode							
WiMAX, CB: 5MHz, QPSK 1/2, Channel: 2593.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5186.00	H	-47.17	-25.00	-22.17	-64.25	-53.01	5.84
7779.00	H	-43.41	-25.00	-18.41	-64.10	-45.73	2.32
10372.00	H	-39.65	-25.00	-14.65	-64.76	-40.35	0.70
5186.00	V	-47.71	-25.00	-22.71	-63.69	-53.55	5.84
7779.00	V	-43.71	-25.00	-18.71	-63.59	-46.03	2.32
10372.00	V	-40.97	-25.00	-15.97	-64.19	-41.67	0.70

Mode							
WiMAX, CB: 5MHz, QPSK 1/2, Channel: 2687.5MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5375.00	H	-47.67	-25.00	-22.67	-64.42	-53.57	5.90
8062.50	H	-41.49	-25.00	-16.49	-64.57	-43.96	2.47
10750.00	H	-39.52	-25.00	-14.52	-64.09	-39.84	0.32
5375.00	V	-47.64	-25.00	-22.64	-63.23	-53.54	5.90
8062.50	V	-41.10	-25.00	-16.10	-63.27	-43.57	2.47
10750.00	V	-40.74	-25.00	-15.74	-63.89	-41.06	0.32

Note: EIRP = S.G Power value + Correction factor.

Mode							
WiMAX, CB: 7MHz, QPSK 1/2, Channel: 2503.5MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5007.00	H	-47.85	-25.00	-22.85	-64.89	-53.70	5.85
7510.50	H	-42.04	-25.00	-17.04	-63.58	-44.99	2.95
10014.00	H	-40.01	-25.00	-15.01	-65.28	-41.14	1.13
5007.00	V	-49.51	-25.00	-24.51	-64.28	-55.36	5.85
7510.50	V	-43.49	-25.00	-18.49	-63.85	-46.44	2.95
10014.00	V	-41.78	-25.00	-16.78	-64.99	-42.91	1.13

Mode							
WiMAX, CB: 7MHz, QPSK 1/2, Channel: 2593.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5186.00	H	-47.44	-25.00	-22.44	-64.52	-53.28	5.84
7779.00	H	-43.20	-25.00	-18.20	-63.89	-45.52	2.32
10372.00	H	-39.78	-25.00	-14.78	-64.89	-40.48	0.70
5186.00	V	-48.38	-25.00	-23.38	-64.36	-54.22	5.84
7779.00	V	-43.87	-25.00	-18.87	-63.75	-46.19	2.32
10372.00	V	-41.41	-25.00	-16.41	-64.63	-42.11	0.70

Mode							
WiMAX, CB: 7MHz, QPSK 1/2, Channel: 2688.5MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5377.00	H	-47.22	-25.00	-22.22	-63.96	-53.12	5.90
8065.50	H	-40.78	-25.00	-15.78	-63.83	-43.26	2.48
10754.00	H	-39.48	-25.00	-14.48	-64.03	-39.80	0.32
5377.00	V	-47.97	-25.00	-22.97	-63.55	-53.87	5.90
8065.50	V	-41.25	-25.00	-16.25	-63.41	-43.73	2.48
10754.00	V	-41.18	-25.00	-16.18	-64.32	-41.50	0.32

Note: EIRP = S.G Power value + Correction factor.

Mode							
WiMAX, CB: 10MHz, QPSK 1/2, Channel: 2505.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5010.00	H	-47.33	-25.00	-22.33	-64.37	-53.18	5.85
7515.00	H	-42.76	-25.00	-17.76	-64.28	-45.72	2.96
10020.00	H	-40.45	-25.00	-15.45	-65.72	-41.58	1.13
5010.00	V	-48.66	-25.00	-23.66	-63.45	-54.51	5.85
7515.00	V	-43.18	-25.00	-18.18	-63.55	-46.14	2.96
10020.00	V	-40.97	-25.00	-15.97	-64.18	-42.10	1.13

Mode							
WiMAX, CB: 10MHz, QPSK 1/2, Channel: 2593.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5186.00	H	-47.57	-25.00	-22.57	-64.65	-53.41	5.84
7779.00	H	-43.82	-25.00	-18.82	-64.51	-46.14	2.32
10372.00	H	-39.81	-25.00	-14.81	-64.92	-40.51	0.70
5186.00	V	-47.77	-25.00	-22.77	-63.75	-53.61	5.84
7779.00	V	-43.94	-25.00	-18.94	-63.82	-46.26	2.32
10372.00	V	-41.13	-25.00	-16.13	-64.35	-41.83	0.70

Mode							
WiMAX, CB: 10MHz, QPSK 1/2, Channel: 2685.0MHz							
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Vaule (dBm)	Correction Factor (dB)
5370.00	H	-47.53	-25.00	-22.53	-64.29	-53.43	5.90
8055.00	H	-41.57	-25.00	-16.57	-64.73	-44.02	2.45
10740.00	H	-41.13	-25.00	-16.13	-65.71	-41.46	0.33
5370.00	V	-48.43	-25.00	-23.43	-64.03	-54.33	5.90
8055.00	V	-41.91	-25.00	-16.91	-64.10	-44.36	2.45
10740.00	V	-41.44	-25.00	-16.44	-64.59	-41.77	0.33

Note: EIRP = S.G Power value + Correction factor.

3.3 Conducted Emissions

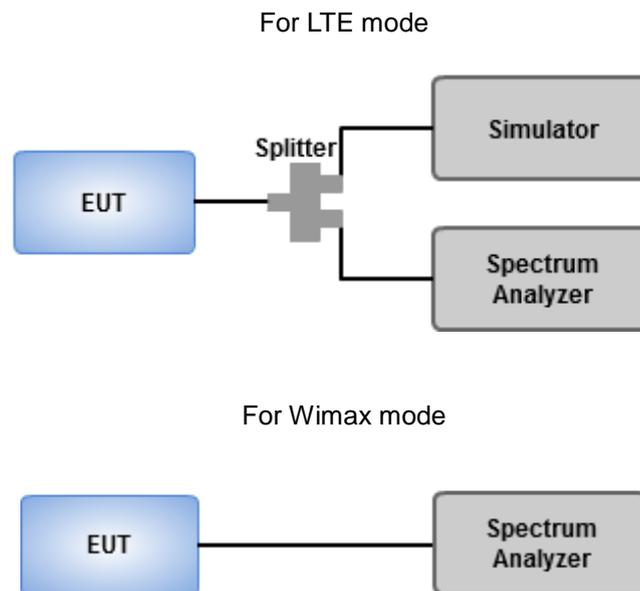
3.3.1 Limit of Conducted Emissions

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 $55 + 10 \log(P)$ dB equal to -25dBm.

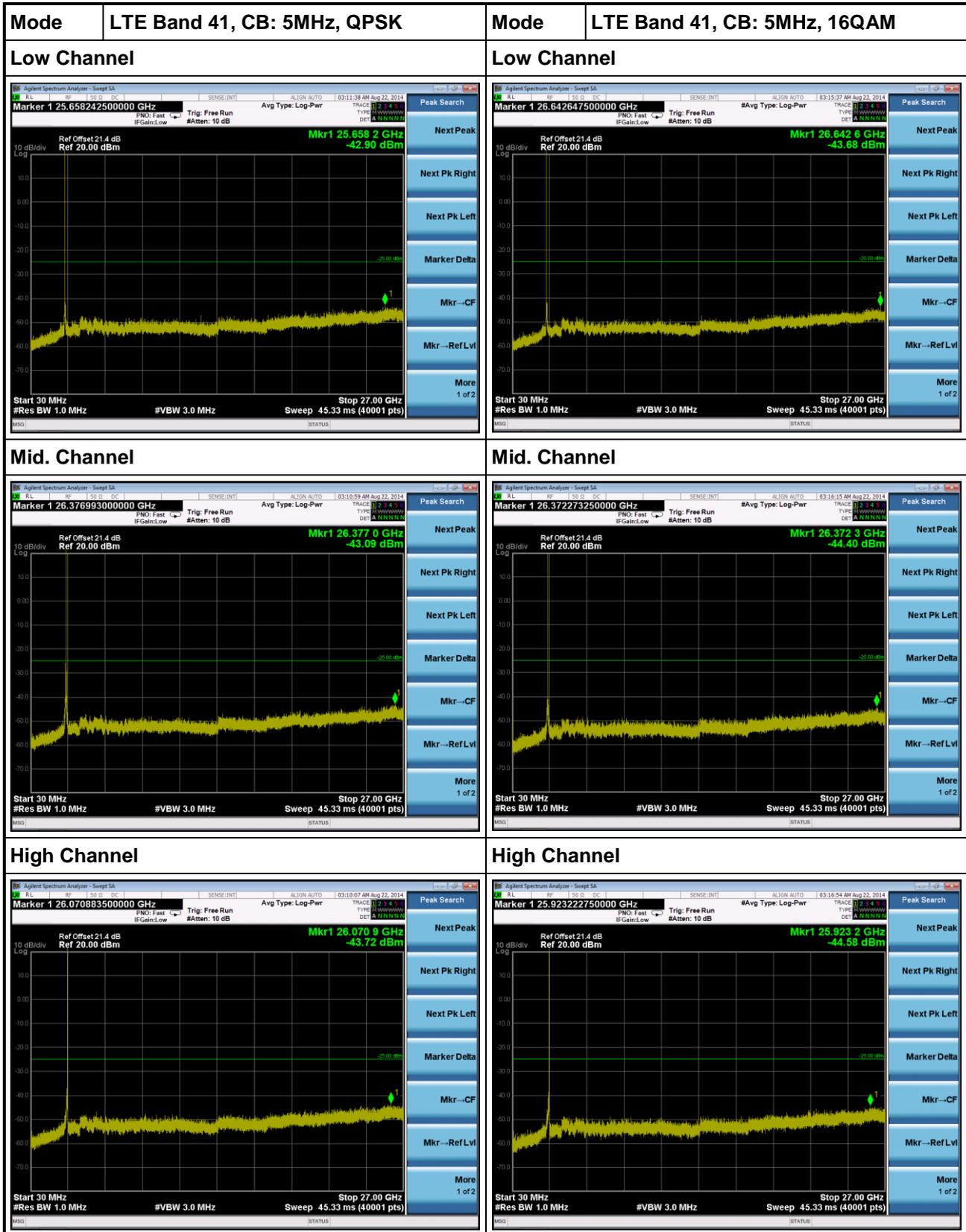
3.3.2 Test Procedures

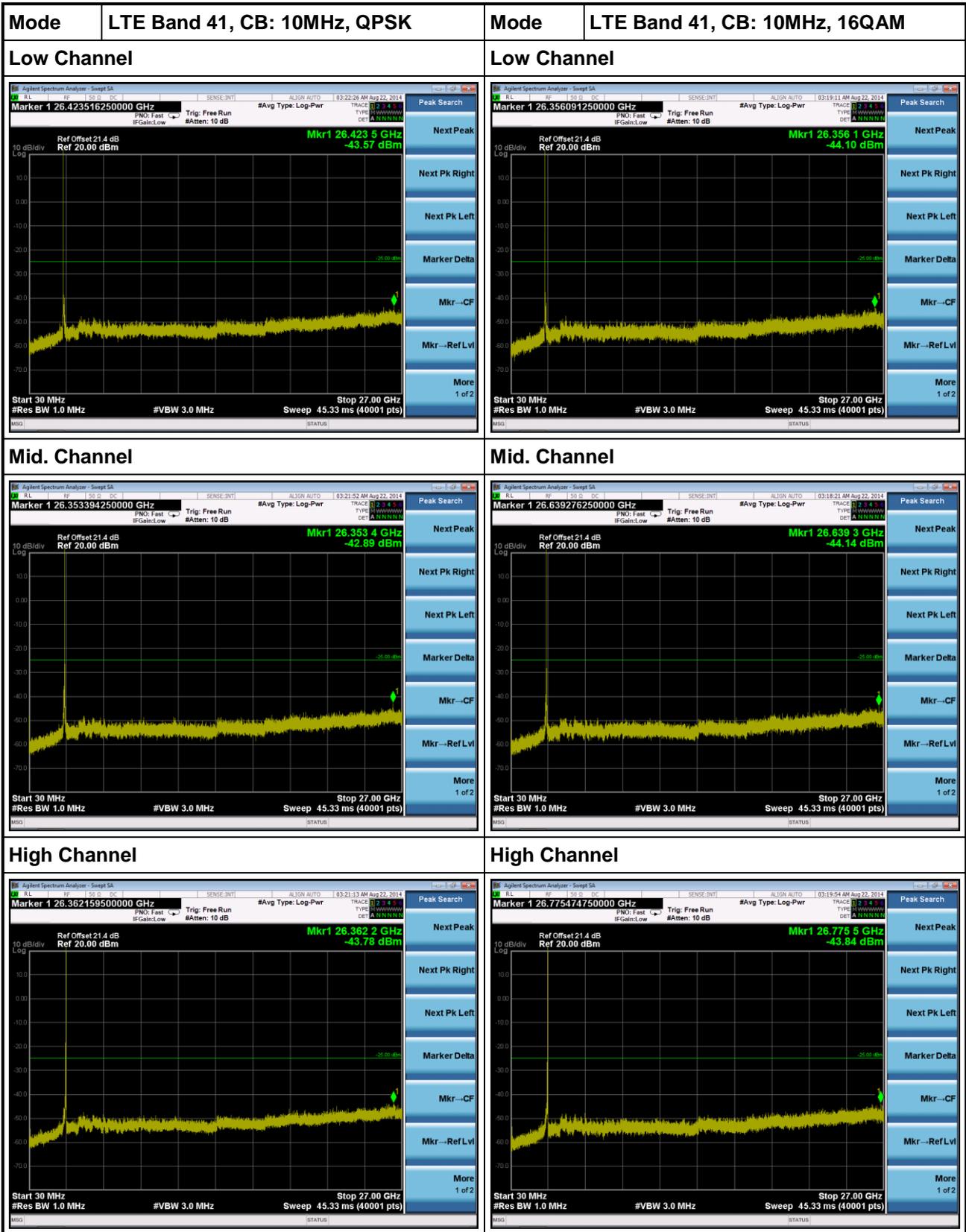
1. Lowest, middle and highest operating channels are tested for this item.
2. Scan frequency range is from 30MHz~27GHz.
3. Set RBW = 1MHz, VBW = 3MHz, detector = average, sweep time = auto.
4. Record the max trace value and capture the test plot of each sub frequency band.

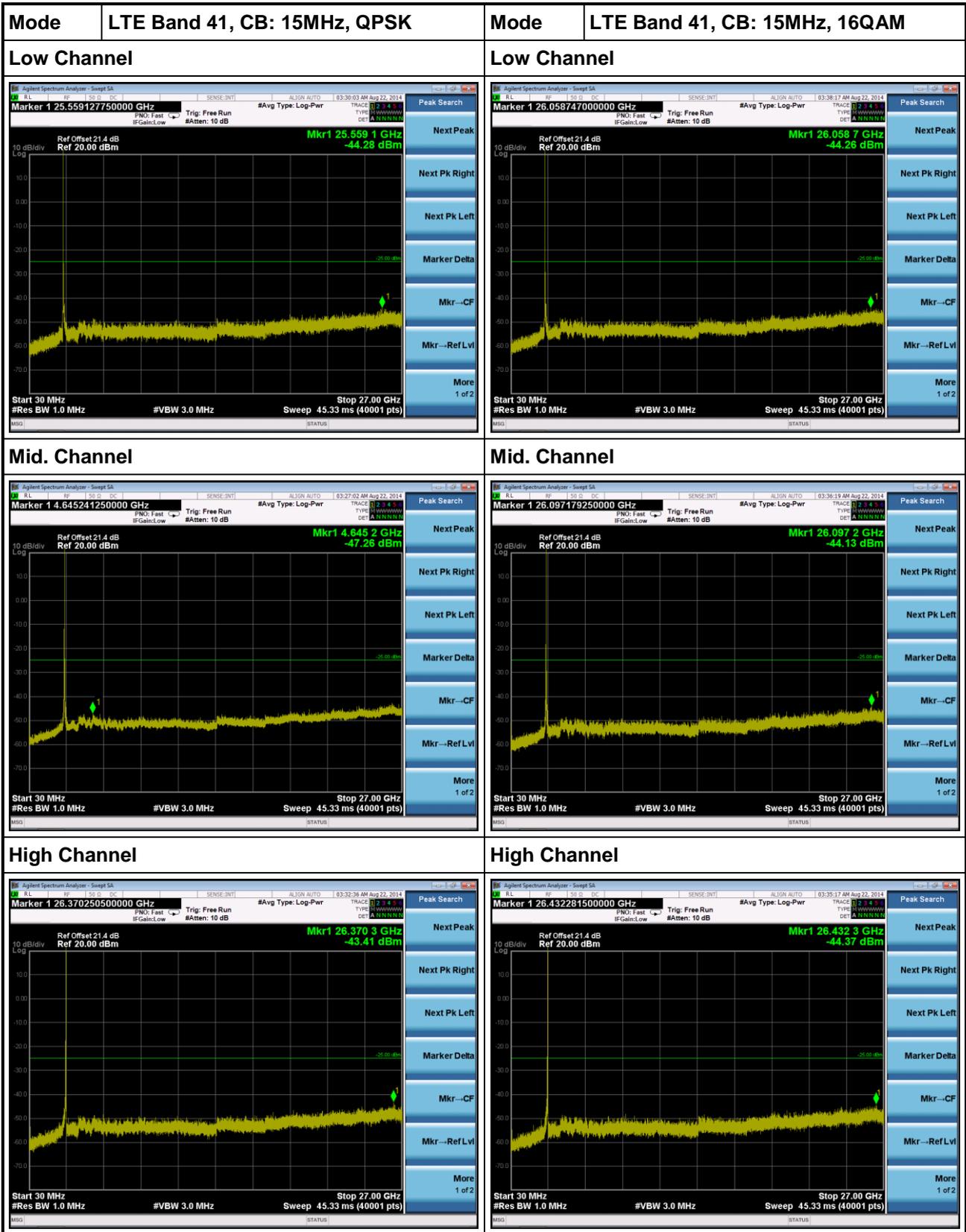
3.3.3 Test Setup

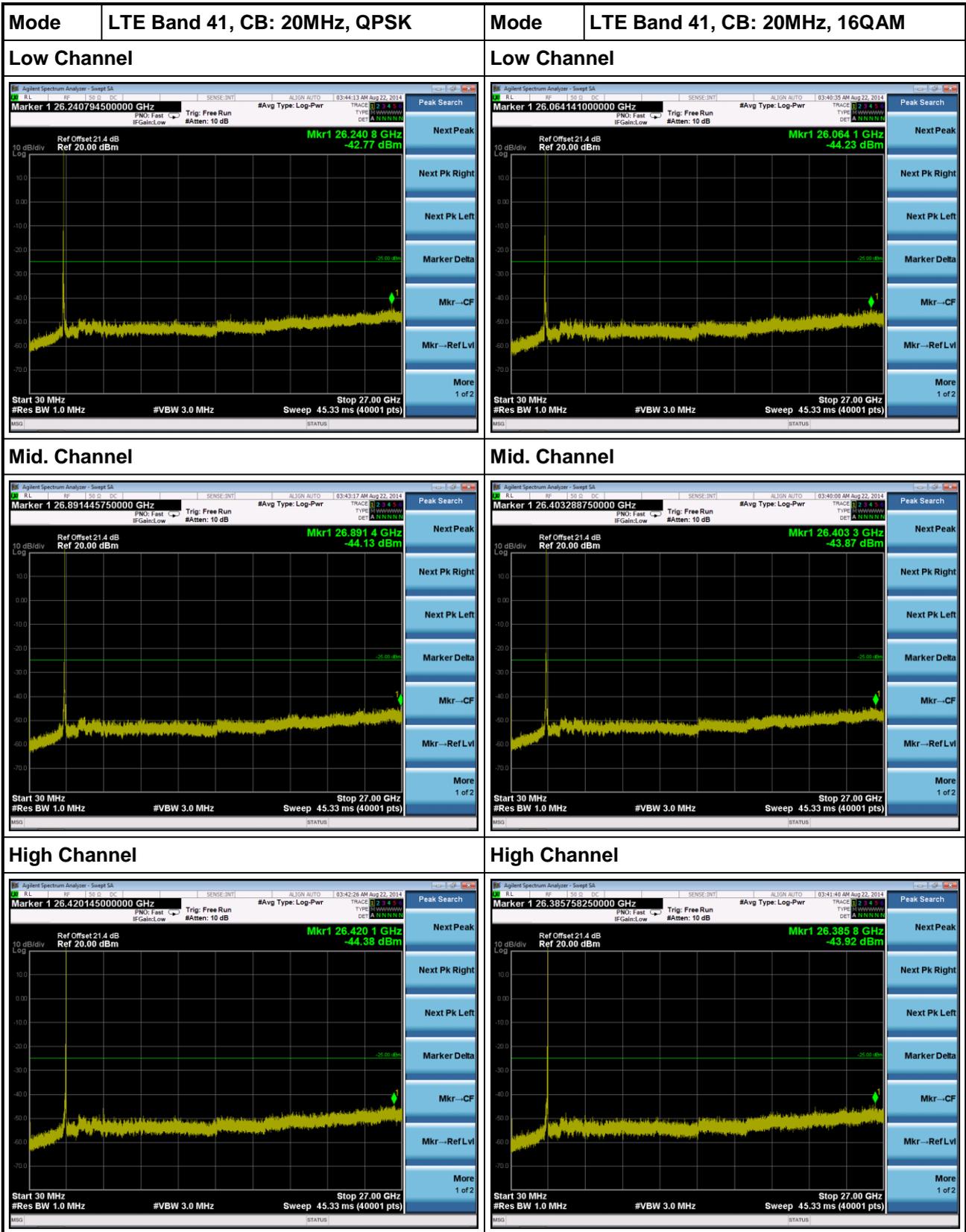


3.3.4 Test Result of Conducted Emissions_LTE

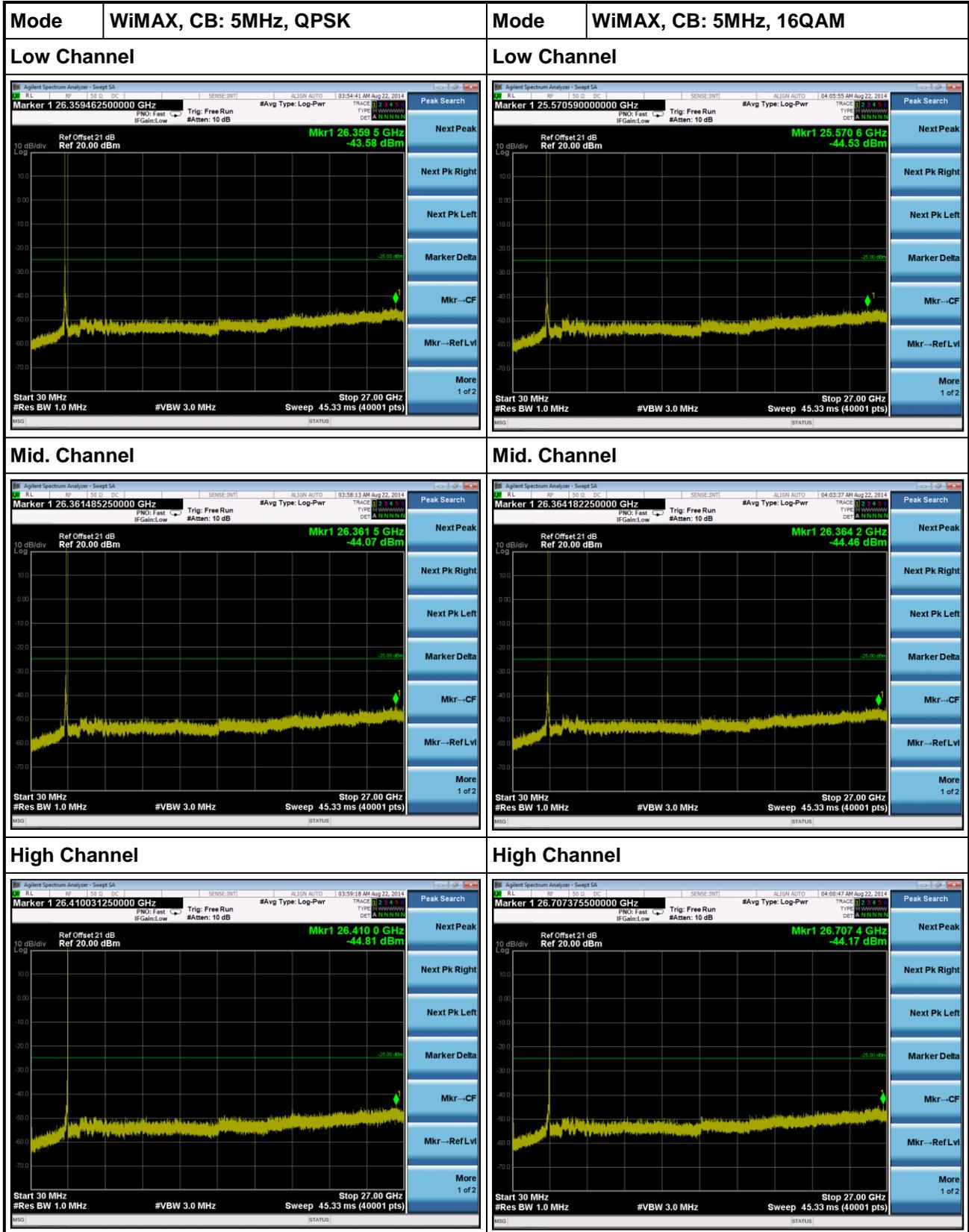


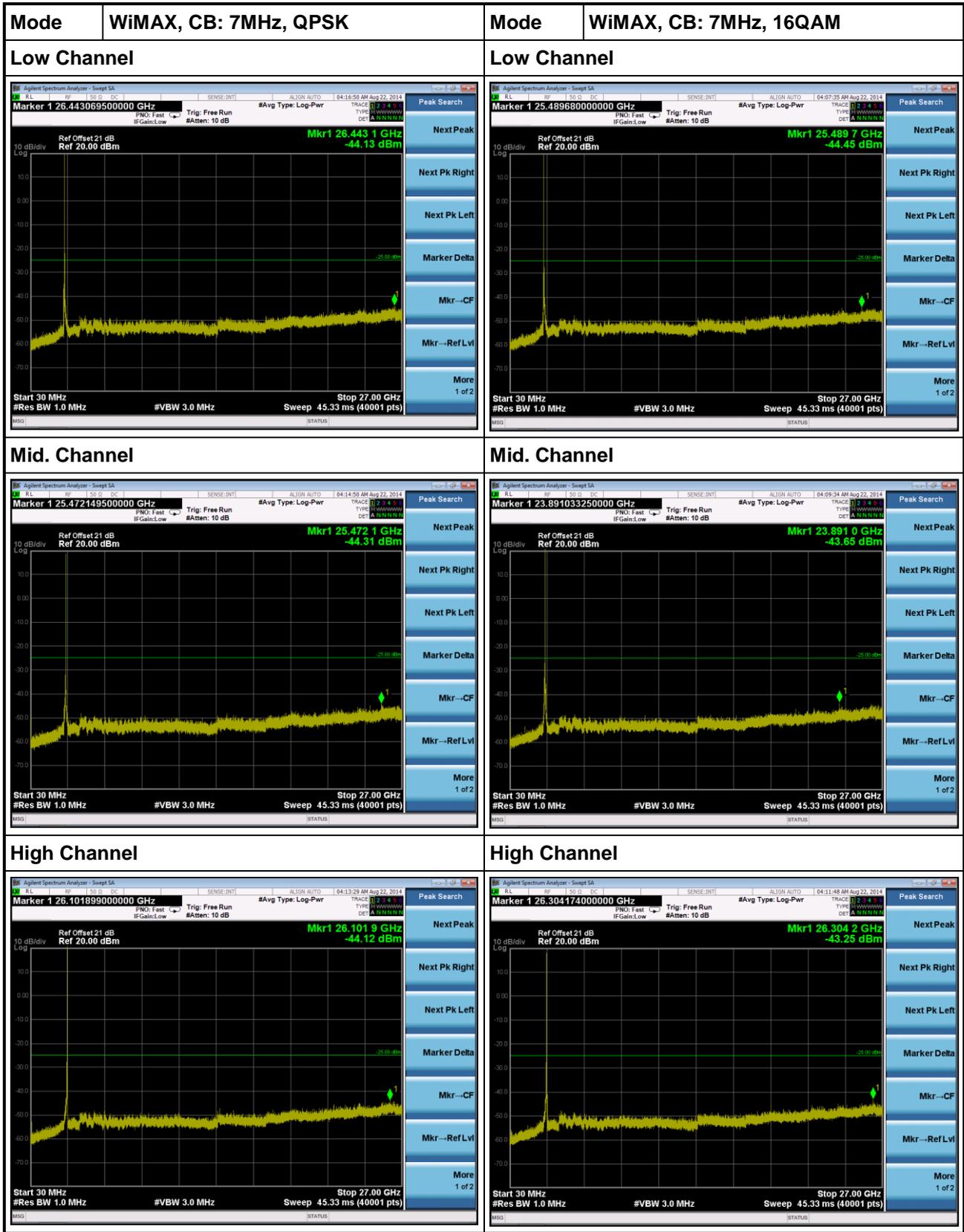


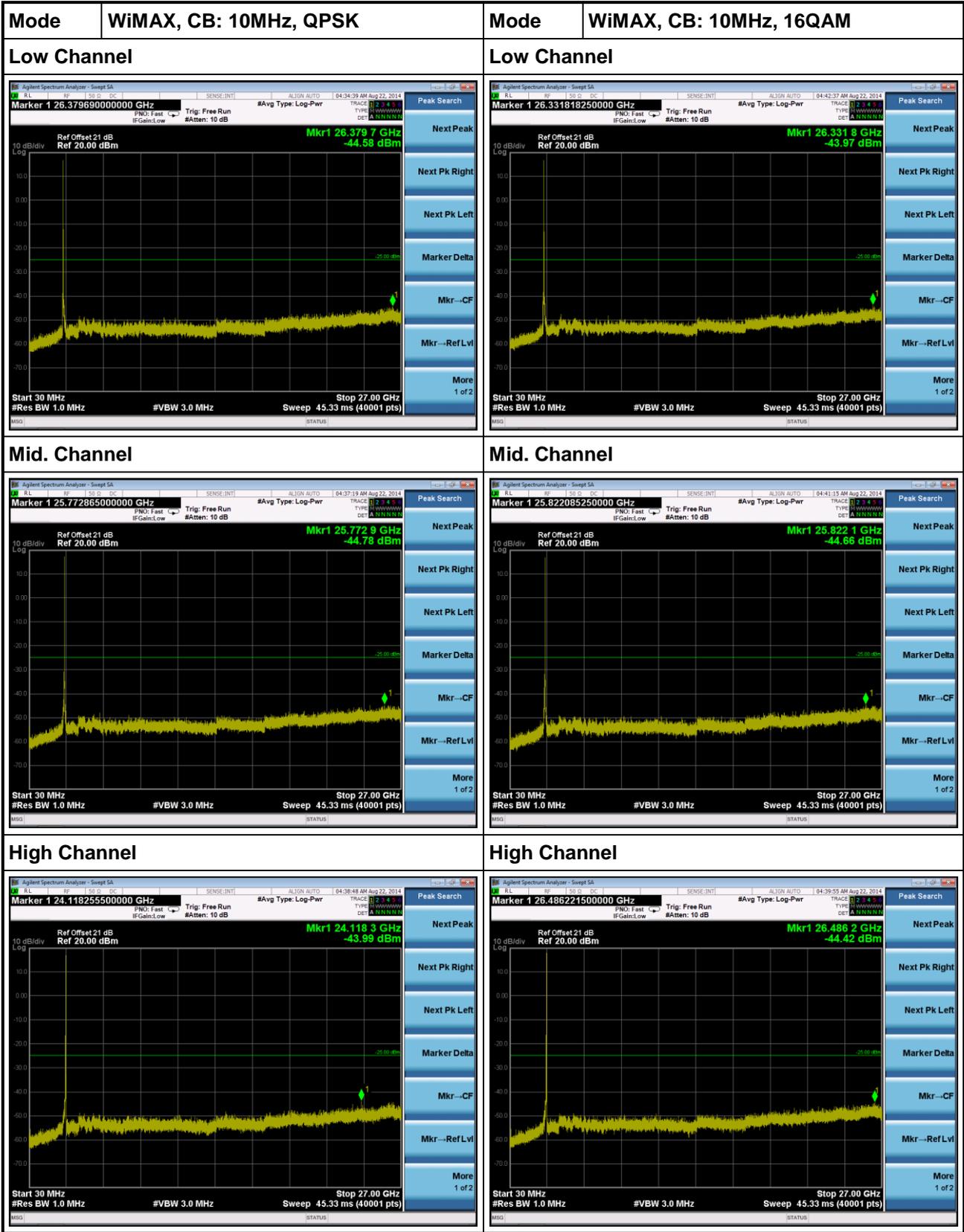




3.3.5 Test Result of Conducted Emissions_WiMAX







3.4 Channel Edge

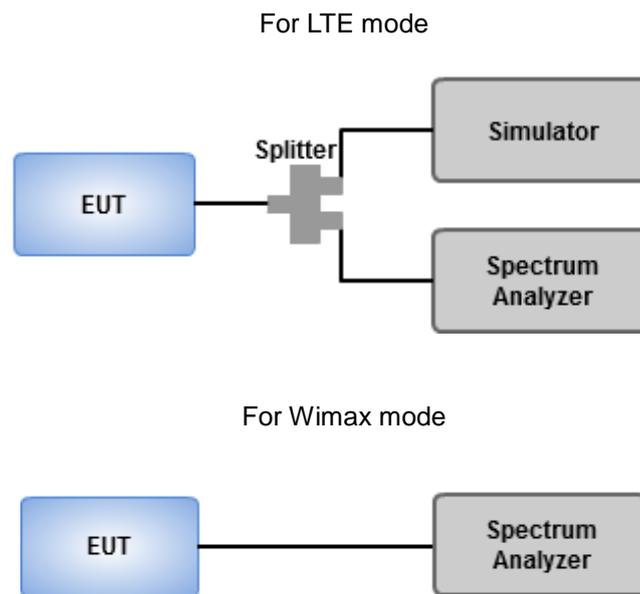
3.4.1 Limit of Channel Edge

For mobile digital stations, the attenuation factor shall be not less than $43 + 10 \log (P)$ dB at the channel edge and $55 + 10 \log (P)$ dB at 5.5 megahertz from the channel edges

3.4.2 Test Procedures

1. Lowest, middle and highest operating channels are tested for this item.
2. Set RBW = 1% of emission bandwidth, VBW = 3 x RBW, detector = RMS, sweep time = auto.
3. Enable adjacent channel power of spectrum analyzer to measure power of channel edge
4. Record the max trace value and capture the test plot.

3.4.3 Test Setup



3.4.4 Test Result of Band Edge_LTE

