Report No.: AGC09966200405FE07 Page 71 of147

LTE Band 41

Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5012	V	-37.86	-25	-12.86
774.3	V	-42.26	-25	-17.26
695.2	V	-44.28	-25	-19.28
5012	Н	-37.31	-25	-12.31
795.1	Н	-44.08	-25	-19.08
684.2	Н	-43.66	-25	-18.66

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5186	V	-37.36	-25	-12.36
654.2	V	-43.85	-25	-18.85
498.7	V	-44.54	-25	-19.54
5186	Н	-38.15	-25	-13.15
555.3	Н	-42.68	-25	-17.68
432.1	Н	-44.41	-25	-19.41

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5360	V	-36.82	-25	-11.82
483.9	V	-42.85	-25	-17.85
361.5	V	-44.14	-25	-19.14
5360	Н	-36.75	-25	-11.75
458.3	Н	-42.80	-25	-17.80
397.7	Н	-45.04	-25	-20.04

Note:1. Margin = Emission Level -Limit

2. (30MHz-26GHz) Below 30MHZ no Spurious found and above is the worst mode data

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.

1 Measure the carrier frequency at room temperature.

Subject the EUT to overnight soak at -10 $^{\circ}$ 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.

3 Repeat the above measurements at 10° C increments from -10° C to $+40^{\circ}$ C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.

4 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 +40 $^{\circ}$ C.

6 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.

7 Repeat the above measurements at 10° increments from $+40^{\circ}$ to -10° . Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.

8 At all temperature levels hold the temperature to +/- 0.5° C during the measurement procedure.

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 -10°C to +40°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 $\pm 0.00025\%$ (± 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 -10°C to +40°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

8.3 MEASUREMENT RESULT (WORST)

	MiddleChannel, fo=2535MHz					
Temperature (℃)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)			
-10		-8.25	-0.003298			
0		-13.93	-0.005568			
10	2.05	0.39	0.000154			
20	3.85	-9.68	-0.003870			
30		0.37	0.000149			
40		-4.25	-0.001698			
·	4.40	-9.26	-0.003698			
25	3.45	-19.08	-0.007626			

LTE Band 7

LTE Band 38

	MiddleChannel, fo=2595MHz					
Temperature (℃)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)			
-10		-5.84	-0.002269			
0	3.85	-4.73	-0.001841			
10		-4.26	-0.001657			
20		1.54	0.000601			
30		-4.25	-0.001652			
40		2.03	0.000790			
05	4.40	-7.94	-0.003086			
25	3.45	-5.69	-0.002194			

Report No.: AGC09966200405FE07 Page 75 of147

	MiddleChannel, fo=2310MHz				
Temperature (℃)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)		
-10		-6.29	-0.002734		
0	3.85	-4.55	-0.001976		
10		-13.82	-0.006002		
20		-8.54	-0.003709		
30		-8.54	-0.003709		
40		-6.57	-0.002852		
	4.40	-9.54	-0.004144		
25	3.45	-3.78	-0.001607		

LTE Band 40(1)

LTE Band 40(2)

MiddleChannel, f ₀ =2355MHz					
Temperature (°℃)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)		
-10		-6.34	-0.002697		
0	3.85	-12.49	-0.005314		
10		-4.75	-0.002021		
20		-8.15	-0.003470		
30		-13.29	-0.005655		
40		-19.91	-0.008473		
	4.40	-7.20	-0.003062		
25	3.45	-8.23	-0.003431		

LTE Band 41

MiddleChannel, f ₀ =2593 MHz					
Temperature (℃)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)		
-10	3.85	-9.74	-0.003740		
0		-4.86	-0.001867		
10		-6.15	-0.002361		
20		-7.93	-0.003042		
30		0.70	0.000269		
40		-17.64	-0.006771		

Report No.: AGC09966200405FE07 Page 76 of147

05	4.40	-4.06	-0.001560
25	3.45	-2.90	-0.001097

Note: Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very samll. As such it is determined that channels at the band edge would remain in-band when the maximum measured frequency deviation noted duing the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperture and voltage range as tested.

The EUT doesn't work below -10°C

9. OCCUPIED BANDWIDTH

9.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.

9.2 PROVISIONS APPLICABLE

The emission bandwidth is defined as two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26dB below the transmitter power

9.3 MEASUREMENT RESULT

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

LTE Band 7

Channel Bandwidth: 5MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Rendwidth(MHz)		
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict	
	LCH	25	0	4.4774	PASS	
QPSK	MCH	25	0	4.480	PASS	
	HCH	25	0	4.480	PASS	
	LCH	25	0	4.4721	PASS	
16QAM	MCH	25	0	4.460	PASS	
	HCH	25	0	4.460	PASS	

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)		
		Size	Offset			
	LCH	50	0	8.960	PASS	
QPSK	MCH	50	0	8.960	PASS	
	HCH	50	0	8.960	PASS	
	LCH	50	0	8.960	PASS	
16QAM	MCH	50	0	8.920	PASS	
	HCH	50	0	8.960	PASS	

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Confi	guration	Occupied Rendwidth(MHz)	Verdict	
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)		
	LCH	75	0	13.440	PASS	
QPSK	MCH	75	0	13.440	PASS	
	HCH	75	0	13.440	PASS	
	LCH	75	0	13.440	PASS	
16QAM	MCH	75	0	13.440	PASS	
	HCH	75	0	13.380	PASS	

Report No.: AGC09966200405FE07 Page 79 of147

Channel Bandwidth: 20 MHz									
Madulation	Channel	RB Confi	guration	Occurried Dendwidth (MLI=)					
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict				
	LCH	100	0	17.840	PASS				
QPSK	MCH	100	0	17.920	PASS				
	HCH	100	0	17.840	PASS				
	LCH	100	0	17.840	PASS				
16QAM	MCH	100	0	17.840	PASS				
	HCH	100	0	17.840	PASS				

LTE Band 38

Channel Bandwidth: 5MHz

Channel Bandwidth: 5 MHz								
Modulation	Channel	RB Confi	guration	Occupied Rendwidth(MHz)				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
	LCH	25	0	4.480	PASS			
QPSK	MCH	25	0	4.5063	PASS			
	HCH	25	0	4.4947	PASS			
	LCH	25	0	4.4982	PASS			
16QAM	MCH	25	0	4.4917	PASS			
	HCH	25	0	4.4920	PASS			

Channel Bandwidth: 10 MHz

	Channel Bandwidth: 10 MHz								
Modulation	Channel	RB Confi	guration	Occupied Bandwidth (MHz)	Verdict				
Woodlation	Onannei	Size	Offset		Verdict				
	LCH	50	0	8.9875	PASS				
QPSK	MCH	50	0	8.9685	PASS				
	HCH	50	0	8.9723	PASS				
	LCH	50	0	8.9724	PASS				
16QAM	MCH	50	0	8.9630	PASS				
	HCH	50	0	8.9839	PASS				

Channel Bandwidth: 15 MHz								
Modulation	Channel	RB Confi	guration	Occupied Rendwidth(MHz)				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
	LCH	75	0	13.460	PASS			
QPSK	MCH	75	0	13.447	PASS			
	HCH	75	0	13.478	PASS			
	LCH	75	0	13.467	PASS			
16QAM	MCH	75	0	13.467	PASS			
	HCH	75	0	13.467	PASS			

Report No.: AGC09966200405FE07 Page 81 of147

Channel Bandwidth: 20 MHz									
Madulation	Channel	RB Confi	guration	Occurried Dendwidth (MLLT)					
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict				
	LCH	100	0	17.927	PASS				
QPSK	MCH	100	0	17.954	PASS				
	HCH	100	0	17.938	PASS				
	LCH	100	0	17.936	PASS				
16QAM	MCH	100	0	17.940	PASS				
	HCH	100	0	17.927	PASS				

LTE Band 40(1)

Channel Bandwidth: 5MHz

Channel Bandwidth: 5 MHz								
Modulation	Channel	RB Confi	guration	Occupied Rendwidth(MHz)				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
	LCH	25	0	4.4995	PASS			
QPSK	MCH	25	0	4.5028	PASS			
	HCH	25	0	4.5033	PASS			
	LCH	25	0	4.4980	PASS			
16QAM	MCH	25	0	4.4998	PASS			
	HCH	25	0	4.5010	PASS			

Channel Bandwidth: 10 MHz								
Modulation	Channel	RB Confi	guration	Occupied Bandwidth (MHz)	Verdict			
Woodlation		Size	Offset					
QPSK	MCH	50	0	8.9980	PASS			
16QAM	MCH	50	0	8.9794	PASS			

LTE Band 40(2)

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz								
Modulation	Channel	RB Confi	guration	Occupied Rendwidth(MHz)				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
	LCH	25	0	4.5107	PASS			
QPSK	MCH	25	0	4.4970	PASS			
	HCH	25	0	4.5106	PASS			
	LCH	25	0	4.5008	PASS			
16QAM	MCH	25	0	4.5072	PASS			
	HCH	25	0	4.4924	PASS			

Channel Bandwidth: 10 MHz								
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict			
wouldtion		Size	Offset		Verdict			
QPSK	MCH	50	0	8.9867	PASS			
16QAM	MCH	50	0	8.9810	PASS			

LTE Band 41

Channel Bandwidth: 5MHz

Channel Bandwidth: 5 MHz								
	Channel	RB Confi	guration	Occupied Rendwidth(MHz)				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
	LCH	25	0	4.480	PASS			
QPSK	MCH	25	0	4.480	PASS			
	HCH	25	0	4.480	PASS			
	LCH	25	0	4.480	PASS			
16QAM	MCH	25	0	4.460	PASS			
	НСН	25	0	4.480	PASS			

	Channel Bandwidth: 10 MHz								
Modulation	Channel	RB Confi	guration	Occupied Bandwidth (MHz)	Verdict				
Woodlation	Onariner	Size	Offset		Verdiet				
	LCH	50	0	8.920	PASS				
QPSK	MCH	50	0	8.920	PASS				
	HCH	50	0	8.960	PASS				
	LCH	50	0	8.920	PASS				
16QAM	MCH	50	0	8.920	PASS				
	HCH	50	0	8.960	PASS				

Report No.: AGC09966200405FE07 Page 85 of147

Channel Bandwidth: 15 MHz								
Madulation	Channel	RB Confi	guration	Occurried Dendwidth (MLI=)				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
	LCH	75	0	13.380	PASS			
QPSK	MCH	75	0	13.440	PASS			
	HCH	75	0	13.380	PASS			
	LCH	75	0	13.440	PASS			
16QAM	MCH	75	0	13.380	PASS			
	HCH	75	0	13.380	PASS			

Channel Bandwidth: 15 MHz

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz									
Modulation	Channel	RB Confi	guration	Occupied Rendwidth(MHz)					
wouldion	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict				
	LCH	100	0	17.840	PASS				
QPSK	MCH	100	0	17.840	PASS				
	HCH	100	0	17.840	PASS				
	LCH	100	0	17.840	PASS				
16QAM	MCH	100	0	17.840	PASS				
	HCH	100	0	17.840	PASS				

Note: Please refers to Appendix B for compliance test plots for Occupied Bandwidth (99%)

10. EMISSION BANDWIDTH

10.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.

10.2 PROVISIONS APPLICABLE

The emission bandwidth is defined as two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26dB below the transmitter power.

10.3 MEASUREMENT RESULT

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

LTE Band 7

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz									
Modulation	Channel	RB Confi	guration	26dP Pondwidth (MUz)					
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict				
	LCH	25	0	4.734	PASS				
QPSK	MCH	25	0	4.660	PASS				
	HCH	25	0	4.680	PASS				
	LCH	25	0	4.727	PASS				
16QAM	MCH	25	0	4.720	PASS				
	HCH	25	0	4.660	PASS				

	Channel Bandwidth: 10MHz								
Madulation	Channel	RB Confi	guration	26dD Dondwidth (MUT)					
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict				
	LCH	50	0	9.320	PASS				
QPSK	MCH	50	0	9.320	PASS				
	HCH	50	0	9.320	PASS				
	LCH	50	0	9.320	PASS				
16QAM	MCH	50	0	9.320	PASS				
	HCH	50	0	9.320	PASS				

Report No.: AGC09966200405FE07 Page 88 of147

Channel Bandwidth: 15MHz									
Malak	Channel	RB Confi	guration	26dP Pondwidth (MUz)) (and is t				
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict				
	LCH	75	0	13.800	PASS				
QPSK	MCH	75	0	13.860	PASS				
	HCH	75	0	13.800	PASS				
	LCH	75	0	13.800	PASS				
16QAM	MCH	75	0	13.800	PASS				
	HCH	75	0	13.800	PASS				

Channel Bandwidth: 15 MHz

Channel Bandwidth: 20MHz									
Modulation	Channel	RB Confi	guration	26dP Pondwidth (MHz)					
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict				
	LCH	100	0	18.400	PASS				
QPSK	MCH	100	0	18.400	PASS				
	HCH	100	0	18.400	PASS				
	LCH	100	0	18.400	PASS				
16QAM	MCH	100	0	18.400	PASS				
	HCH	100	0	18.320	PASS				

Report No.: AGC09966200405FE07 Page 89 of147

LTE Band 38

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz									
Modulation	Channel	RB Confi	guration	26dP Pondwidth (MHz)					
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict				
	LCH	25	0	4.680	PASS				
QPSK	MCH	25	0	4.772	PASS				
	HCH	25	0	4.824	PASS				
	LCH	25	0	4.781	PASS				
16QAM	MCH	25	0	4.791	PASS				
	HCH	25	0	4.770	PASS				

	Channel Bandwidth: 10MHz									
Modulation	Channel	RB Confi	guration	26dP Pondwidth (MHz)						
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict					
	LCH	50	0	9.483	PASS					
QPSK	MCH	50	0	9.494	PASS					
	HCH	50	0	9.492	PASS					
	LCH	50	0	9.501	PASS					
16QAM	MCH	50	0	9.492	PASS					
	HCH	50	0	9.511	PASS					

Report No.: AGC09966200405FE07 Page 90 of147

	Channel Bandwidth: 15MHz									
Madulation	Channel	RB Confi	guration	26dD Dondwidth (MUT)						
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict					
	LCH	75	0	14.24	PASS					
QPSK	MCH	75	0	14.24	PASS					
	HCH	75	0	14.23	PASS					
	LCH	75	0	14.25	PASS					
16QAM	MCH	75	0	14.21	PASS					
	HCH	75	0	14.24	PASS					

Channel Bandwidth: 15 MHz

Channel Bandwidth: 20MHz									
Modulation	Channel	RB Confi	guration	26dP Pondwidth (MHz)) (a nali a t				
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict				
	LCH	100	0	18.94	PASS				
QPSK	MCH	100	0	18.95	PASS				
	HCH	100	0	18.95	PASS				
	LCH	100	0	18.92	PASS				
16QAM	MCH	100	0	18.95	PASS				
	HCH	100	0	18.93	PASS				

LTE Band 40(1)

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz									
Modulation	Channel	RB Confi	guration	26dP Pondwidth (MHz)					
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict				
	LCH	25	0	4.991	PASS				
QPSK	MCH	25	0	4.958	PASS				
	HCH	25	0	4.946	PASS				
	LCH	25	0	4.933	PASS				
16QAM	MCH	25	0	4.898	PASS				
	HCH	25	0	4.868	PASS				

Channel Bandwidth: 10MHz								
Madulation	Channel	RB Confi	guration	26dP Pondwidth (MHz)	Verdict			
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)				
QPSK	MCH	50	0	9.532	PASS			
16QAM	MCH	50	0	9.523	PASS			

LTE Band 40(2)

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz								
Modulation	Channel	RB Confi	guration	26dP Pondwidth (MHz)	Verdict			
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	verdict			
	LCH	25	0	4.866	PASS			
QPSK	MCH	25	0	4.884	PASS			
	HCH	25	0	4.856	PASS			
	LCH	25	0	4.901	PASS			
16QAM	MCH	25	0	4.908	PASS			
	HCH	25	0	4.899	PASS			

Channel Bandwidth: 10MHz						
Modulation	Channel	RB Configuration		26dD Dondwidth (MUT)	Vardiat	
		Size	Offset	26dB Bandwidth (MHz)	Verdict	
QPSK	MCH	50	0	9.523	PASS	
16QAM	MCH	50	0	9.526	PASS	

LTE Band 41

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz						
Modulation	Channel	RB Configuration		26dD Dondwidth (MUT)	Vardiat	
		Size	Offset	26dB Bandwidth (MHz)	Verdict	
QPSK	LCH	25	0	4.660	PASS	
	MCH	25	0	4.640	PASS	
	HCH	25	0	4.700	PASS	
16QAM	LCH	25	0	4.660	PASS	
	MCH	25	0	4.640	PASS	
	HCH	25	0	4.660	PASS	

Channel Bandwidth: 10MHz						
Modulation	Channel	RB Configuration			Vardiat	
		Size	Offset	26dB Bandwidth (MHz)	Verdict	
QPSK	LCH	50	0	9.320	PASS	
	MCH	50	0	9.320	PASS	
	HCH	50	0	9.280	PASS	
16QAM	LCH	50	0	9.320	PASS	
	MCH	50	0	9.280	PASS	
	HCH	50	0	9.280	PASS	

Report No.: AGC09966200405FE07 Page 94 of147

Channel Bandwidth: 15MHz						
Modulation	Channel	RB Configuration		OcdD Deveducidth (MULT)	Verdiet	
		Size	Offset	26dB Bandwidth (MHz)	Verdict	
QPSK	LCH	75	0	13.800	PASS	
	MCH	75	0	13.800	PASS	
	HCH	75	0	13.800	PASS	
16QAM	LCH	75	0	13.800	PASS	
	MCH	75	0	13.800	PASS	
	HCH	75	0	13.800	PASS	

Channel Bandwidth: 15 MHz

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20MHz						
Modulation	Channel	RB Configuration		26dD Doodwidth (MLI)	Verdict	
		Size	Offset	26dB Bandwidth (MHz)	verdict	
QPSK	LCH	100	0	18.400	PASS	
	MCH	100	0	18.320	PASS	
	HCH	100	0	18.400	PASS	
16QAM	LCH	100	0	18.400	PASS	
	MCH	100	0	18.320	PASS	
	HCH	100	0	18.400	PASS	

Note:Please refers to Appendix B for compliance test plots for emission bandwidth (-26dBc)

11. BAND EDGE

11.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.

11.2 PROVISIONS APPLICABLE

As Specified in FCC rules of §2.1051 §24.238(a) §27.53(g) §27.53(h)§27.53(m) KDB 971168 D01v03 – Section 6.0

11.3 MEASUREMENT RESULT

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 frequency. 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.

For FCC rules§27.53(m)

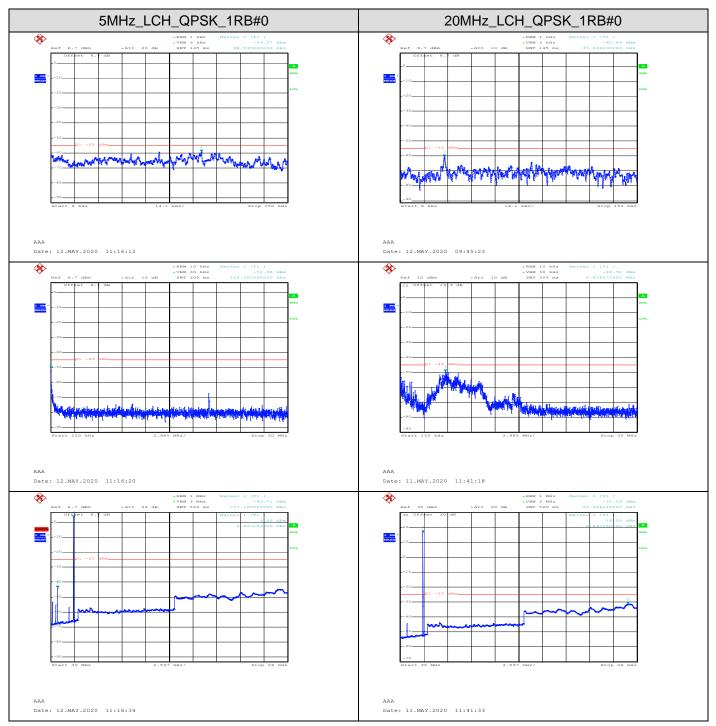
(i) 40 + 10 log10 p from the channel edges to 5 MHz away

(ii) 43 + 10 log10 p between 5 MHz and X MHz from the channel edges, and

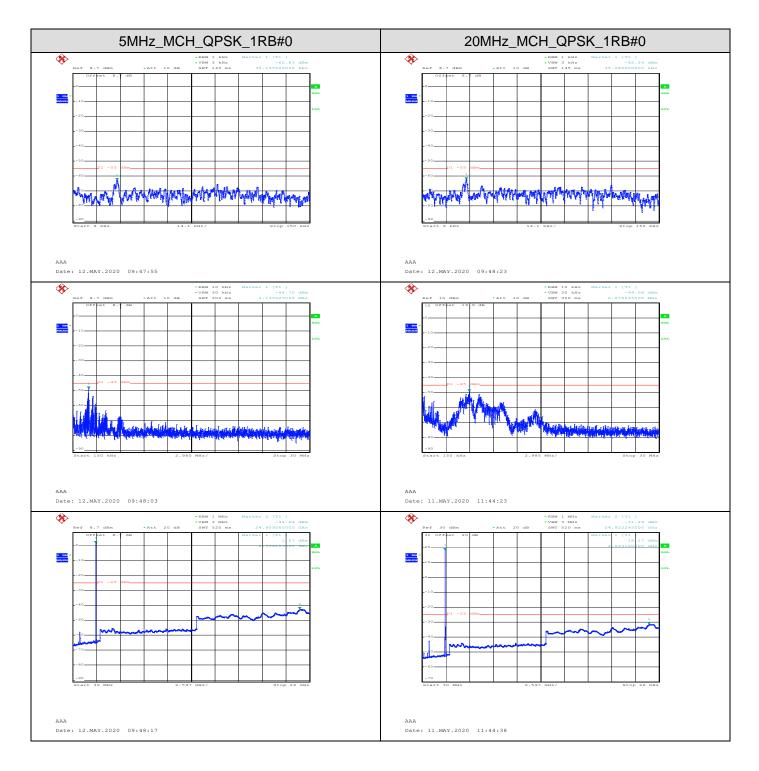
(iii) 55 + 10 log10 p at X MHz and beyond from the channel edges

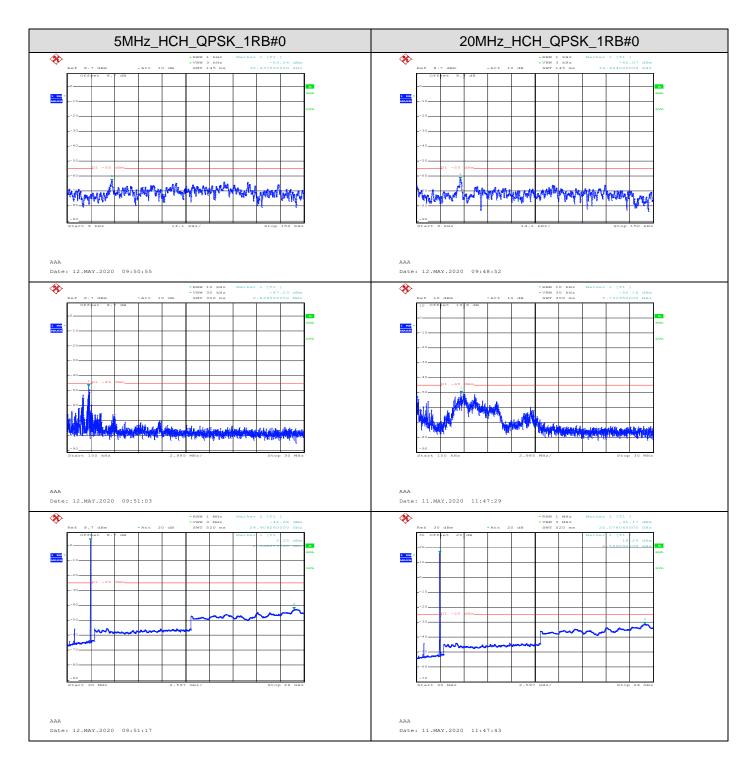
Please refers to Appendix C for compliance test plots for band edge

APPENDIX ATEST PLOTS FOR CONDUCTED SPURIOUS EMISSION

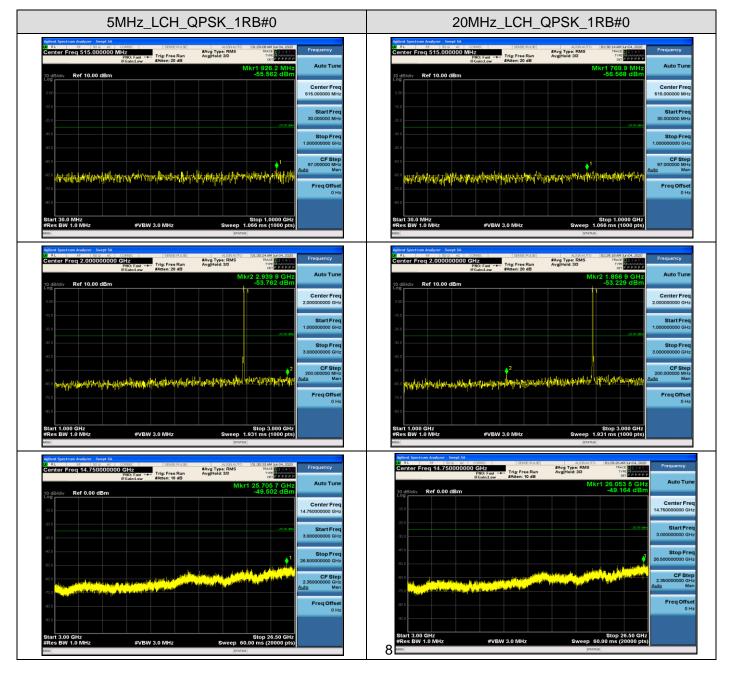


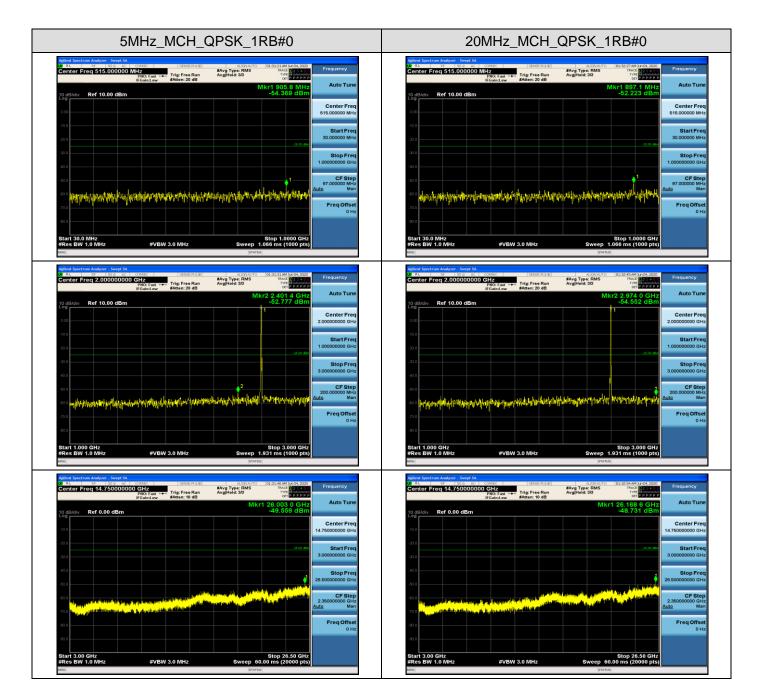
TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 7

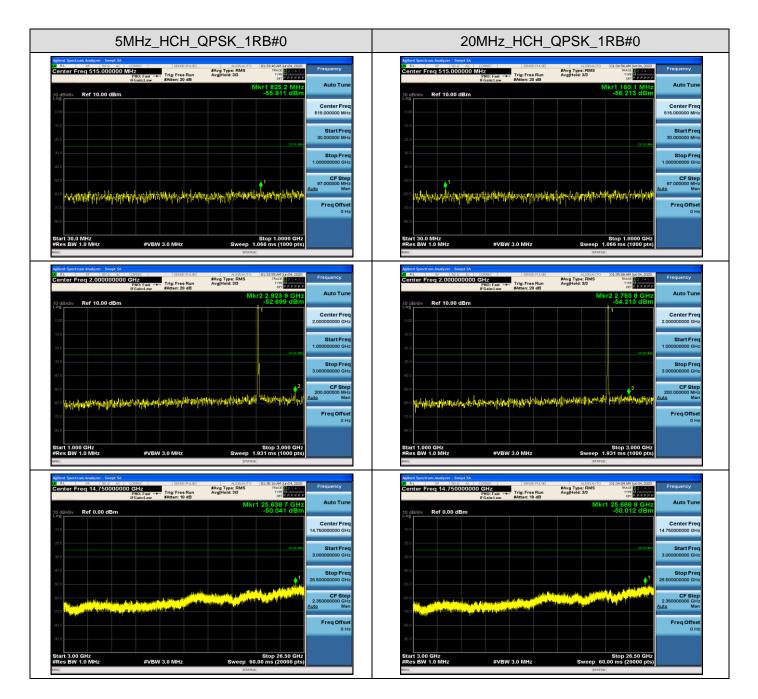




TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 38



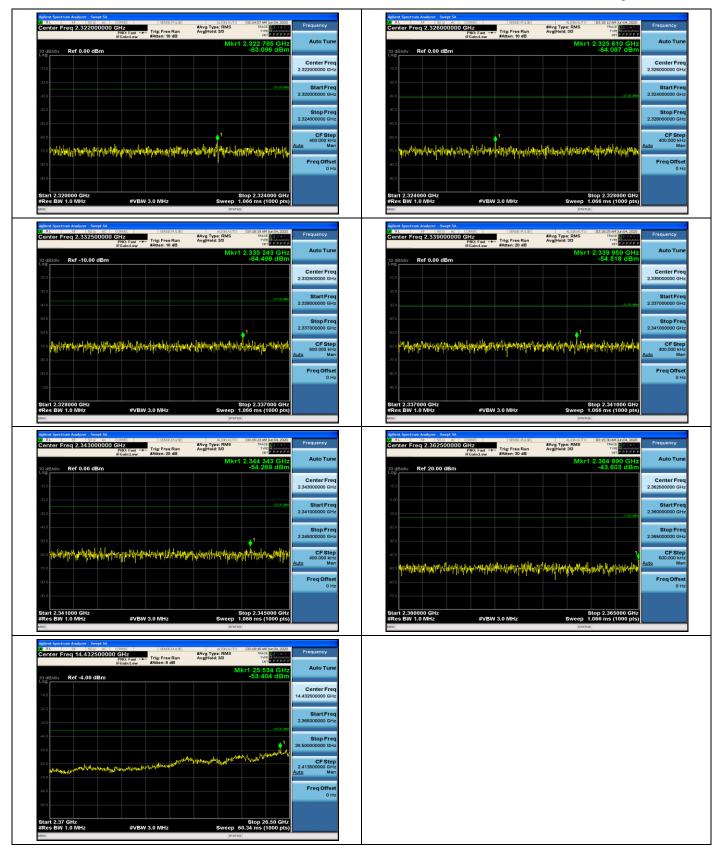




5MHz_LCH_QPSK_1RB#0 #Avg Type: RMS Avg|Hold: 3/3 RL RF 50 G AC CORREC ter Freg 515.000000 MHz #Avg Type: RMS Avg|Hold: 3/3 12345 PPPPP Trig: Free Ru Auto Tu 1 920. 64.910 Ref -10.00 dBm Ref -10.00 dBm Center Fre Center Fr Start Fr Start Fr Stop Fr Stop Fr enservenserversenserverserverserverserverserverserverserverserverserverserverserverserverserverserverserverserv CF Step 97.000000 enerstanningenerlant hänning panskändstandet ander CF Step 128.800000 MH Freq Offse Freq Offs rt 30.0 MHz s BW 1.0 MH Stop 2.2880 GF p 1.265 ms (1000 pt Stop 1.000 ep 1.066 ms (10 rt 1.0000 GHz s BW 1.0 MHz #VBW 3.0 MI BW 3.0 M RL RF SOD AC CONNECT Center Freq 2.294000000 GHz PNO: ter Freq 2.290000000 GHz #Avg Type: RMS Avg|Hold: 3/3 #Avg Type: RMS Avg|Hold: 3/3 Trig: Free Run 1234 M 1234 MWWW Trig: Free Rur Auto Tu Auto Tu Ref -10.00 dBm Ref -10.00 dBm Center Fre Center Fre Start Fr Stop Fr Stop Fr **•**¹ CF Step CF Ste 400.000 ki Freq Offs Freq Offse Stop 2.296000 GH 1.066 ms (1000 pt art 2.292000 GHz es BW 1.0 MHz 2.288000 GH BW 1.0 MHz Stop 2.292 #VBW 3.0 MH #VBW 3.0 MHz RL RF 50.9 AC CONNEC Center Freq 2.302500000 GHz PN0: #Avg Type: RMS Avg|Hold: 3/3 enter Freq 2.298000000 GHz #Avg Type: RMS Avg|Hold: 3/3 Fraguency Trig: Free Run 12345 MWWWW Trig: Free Run Auto Tu Ref 0.00 dE Ref 10.00 dBm Center Fr Center Fre Start Fr Stop Fr Stop F CF Ste 400.000 kH CF Ster 500.000 kH al water a state of the state o • ĸŔġĸĔŀĸĊŧĸġŧĸĬĸġŇŧĸĸĿĸĸŀŶĦŀĸġŊĿĸŶĸġŊĸŶġĬĬĿġĬĸĸĿĸŔŦĸţĬŦĢŔŎŧĸſţŔĊŧŗŦġŀŊĸĸſĸġĿţĸĸſĬ 和小林山影 Freq Offs Freq Offs Stop 2.300 1.066 ms (t 2.296000 GH s BW 1.0 MHz art 2.300000 GH es BW 1.0 MHz Stop 2.305000 1.066 ms (1000 #VBW 3.0 MH Sweer #VBW 3.0 MHz Sween

EST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 40(1)

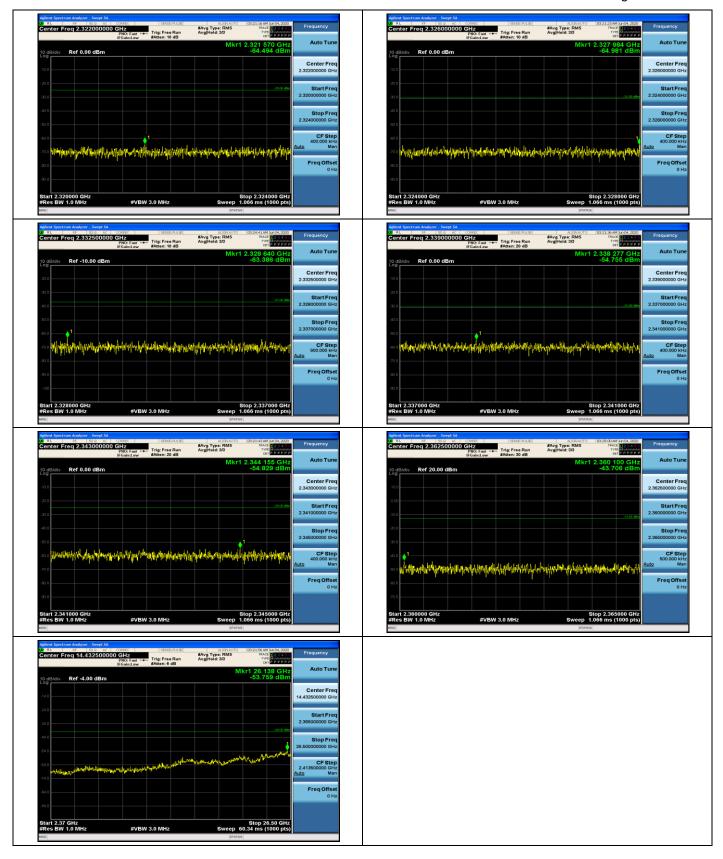
Report No.: AGC09966200405FE07 Page 103 of147



Report No.: AGC09966200405FE07 Page 104 of147



Report No.: AGC09966200405FE07 Page 105 of147



Report No.: AGC09966200405FE07 Page 106 of147



Report No.: AGC09966200405FE07 Page 107 of147

