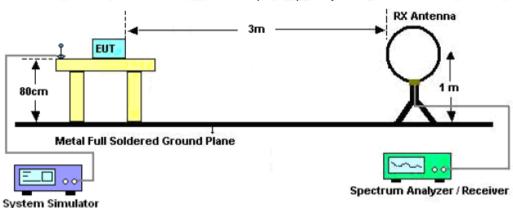


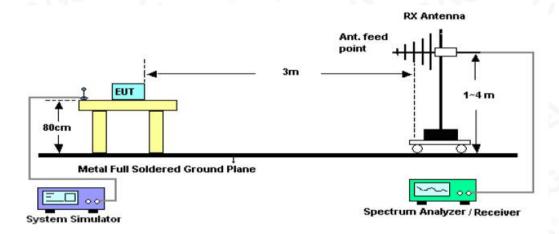


7.2.2. TEST SETUP

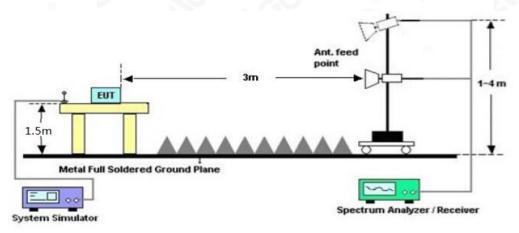
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz





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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service Hotline: 400 089 2118



Page 108 of 229

7.2.3 PROVISIONS APPLICABLE

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

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



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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China



7.2.4 MEASUREMENT RESULT

Report No.: AGC03576190601FE07 Page 109 of 229

LTE Band 2 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3720	V	-57.31	-13	-44.31
845.5	V	-61.77	-13	-48.77
497.4	V	-66.13	-13	-53.13
3720	Н	-55.78	-13	-42.78
792.3	H	-60.77	-13	-47.77
512.6	Н	-65.94	-13	-52.94

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3760	V	-56.34	-13	-43.34
514.5	V	-62.97	-13	-49.97
425.5	V	-62.17	-13	-49.17
3760	Н	-57.97	-13	-44.97
533.3	H_C	-64.81	-13	-51.81
412.9	Н	-64.75	-13	-51.75

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3800	V	-57.44	-13	-44.44
695.1	V	-63.15	-13	-50.15
543.5	V	-63.23	-13	-50.23
3800	Н	-56.75	-13	-43.75
687.2	Н	-62.46	-13	-49.46
564.3	Н	-61.60	-13	-48.6



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



Page 110 of 229

LTE Band 5 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1658	V	-57.44	-13	-44.44
554.3	V	-64.84	-13	-51.84
315.1	V	-66.05	-13	-53.05
1658	Н	-56.82	-13	-43.82
541.5	H	-63.70	-13	-50.7
349.2	H C	-61.82	-13	-48.82

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1673	V	-56.53	-13	-43.53
565.1	V	-61.84	-13	-48.84
463.3	V	-64.20	-13	-51.2
1673	Н	-56.64	-13	-43.64
686.3	Н 🛚	-62.31	-13	-49.31
404.5	H_O	-60.92	-13	-47.92

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1688	V	-55.24	-13	-42.24
654.6	- CV	-63.09	-13	-50.09
557.1	V	-62.24	-13	-49.24
1688	» H	-56.90	-13	-43.9
603.7	G H ⊗	-62.37	-13	-49.37
435.4	H	-62.19	-13	-49.19



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



Report No.: AGC03576190601FE07 Page 111 of 229

LTE Band 7 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3440	V	-57.48	-25	-32.48
874.61	V	-42.33	-25	-17.33
759.13	V	-44.56	-25	-19.56
3440	Н	-55.42	-25	-30.42
549.66	Н	-42.19	-25	-17.19
447.03	H C	-42.35	-25	-17.35

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3465	V	-56.31	-25	-31.31
561.33	V	-43.49	-25	-18.49
436.16	V	-42.73	-25	-17.73
3465	Н	-56.44	-25	-31.44
343.66	Н 🖁	-41.35	-25	-16.35
289.44	H	-42.43	-25	-17.43

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
3490	V	-56.84	-25	-31.84
536.33	V	-41.69	-25	-16.69
444.70	V	-43.43	-25	-18.43
3490		-56.47	-25	-31.47
318.59	О Н	-42.53	-25	-17.53
287.16	H	-43.66	-25	-18.66



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



Report No.: AGC03576190601FE07 Page 112 of 229

LTE Band 12 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1408	V	-56.60	-13	-43.6
596.7	V	-63.49	-13	-50.49
365.4	V	-64.61	-13	-51.61
1408	Н	-57.49	-13	-44.49
563.1	Н	-63.98	-13	-50.98
490.2	A H C	-62.52	-13	-49.52

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1415	V	-57.20	-13	-44.2
569.3	V	-63.39	-13	-50.39
431.0	V	-63.24	-13	-50.24
1415	Н	-56.22	-13	-43.22
495.5	Н	-62.94	-13	-49.94
312.1	H	-63.23	-13	-50.23

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1422	V	-58.10	-13	-45.1
742.3	V	-62.73	-13	-49.73
641.0	V	-64.03	-13	-51.03
1422	Н	-55.95	-13	-42.95
684.3	Н	-62.11	-13	-49.11
489.7	Э Н	-62.76	-13	-49.76



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



Report No.: AGC03576190601FE07 Page 113 of 229

LTE Band 17 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1420	V	-55.52	-13	-42.52
584.5	V	-63.04	-13	-50.04
421.1	V	-63.34	-13	-50.34
1420	Н	-55.39	-13	-42.39
525.3	Н	-62.93	-13	-49.93
396.6	H_C	-61.48	-13	-48.48

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1435	(H/V)	-55.63	-13	-42.63
546.0	V	-62.59	-13	-49.59
433.3	V	-61.59	-13	-48.59
1466	Н	-54.24	-13	-41.24
589.5	Н	-60.37	-13	-47.37
394.1	3 H_C	-61.41	-13	-48.41

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1496	V	-59.28	-13	-46.28
554.3	V	-63.45	-13	-50.45
488.5	V	-62.87	-13	-49.87
1485	Н	-57.54	-13	-44.54
569.8	Н	-63.02	-13	-50.02
441.3	Н	-63.05	-13	-50.05



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



Report No.: AGC03576190601FE07 Page 114 of 229

LTE Band 40 Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
4620	V	-36.92	-13	-23.92
781.6	V	-43.36	-13	-30.36
533.7	V	-43.87	-13	-30.87
4620	Н	-37.34	-13	-24.34
691.8	Н	-43.30	-13	-30.3
594.1	H-C	-43.74	-13	-30.74

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
4700	V	-38.52	-13	-25.52
684.16	V	-43.90	-13	-30.9
544.73	V	-43.60	-13	-30.6
4700	Н	-38.16	-13	-25.16
563.66	Н 🛚	-42.31	-13	-29.31
486.42	H	-44.28	-13	-31.28

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
4780	V	-37.86	-13	-24.86
589.1	V	-42.49	-13	-29.49
436.2	V	-42.65	-13	-29.65
4780	H	-36.72	-13	-23.72
631.5	С н	-43.34	-13	-30.34
435.4	н	-44.60	-13	-31.6



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



Report No.: AGC03576190601FE07 Page 115 of 229

LTE	Band 41
Low	channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5012	V	-37.44	-13	-24.44
695.5	V	-41.82	-13	-28.82
421.1	V	-43.89	-13	-30.89
5012	Н	-36.95	-13	-23.95
594.0	Н	-43.85	-13	-30.85
389.3	H C	-43.35	-13	-30.35

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5186	V	-36.94	-13	-23.94
698.2	V	-43.41	-13	-30.41
569.3	V	-44.15	-13	-31.15
5186	Н	-37.79	-13	-24.79
658.4	С Н	-42.45	-13	-29.45
533.0	H	-44.10	-13	-31.1

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5360	V	-36.40	-13	-23.4
633.1	V	-42.41	-13	-29.41
506.4	V	-43.75	-13	-30.75
5360	⊚ H	-36.39	-13	-23.39
612.0	С н 🏻	-42.57	-13	-29.57
513.5	H	-44.73	-13	-31.73

Note: 1. Margin = Emission Level -Limit

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



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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service Hotline: 400 089 2118



Report No.: AGC03576190601FE07 Page 116 of 229

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.
- 2 Subject the EUT to overnight soak at -10°C. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on channel 20175 for LTE band 4 measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
- 3 Repeat the above measurements at 10 °C increments from -10 °C to +40 °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°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°C increments from +40°C to -10°C. 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.



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

 $Add:\ 2/F.,\ Building\ 2,\ No.\ 1-4,\ Chaxi\ Sanwei\ Technial\ Industrial\ Park,\ Gushu,$

Xixiang, Bao'an District, Shenzhen, Guangdong, China



Report No.: AGC03576190601FE07 Page 117 of 229

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 ±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.



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

 $Add:\ 2/F.,\ Building\ 2,\ No.\ 1-4,\ Chaxi\ Sanwei\ Technial\ Industrial\ Park,\ Gushu,$

Xixiang, Bao'an District, Shenzhen, Guangdong, China



Page 118 of 229

8.3 MEASUREMENT RESULT (WORST)

LTE Band 2

	Middle Channel, f ₀ = 1880 MHz					
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)			
-10		-6.07	-0.003277			
0	60 20	-8.34	-0.004506			
10		-12.63	-0.006719			
20	3.8	-3.98	-0.002115			
30	4 -0	-3.89	-0.002038			
40	1000	-6.67	-0.003491			
25	4.35	-6.90	-0.003726			
	3.23	-8.87	-0.004718			

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. The

LTE Band 5

	١	Middle Channel, fo = 83	36.5 MHz	
Temperature $(^{\mathbb{C}})$	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	-6	-2.96	-0.003591	±2.5
0		-2.23	-0.002706	±2.5
10		-2.95	-0.003523	±2.5
20	3.8	-4.02	-0.004805	±2.5
30		-8.21	-0.009680	±2.5
40		-7.57	-0.008921	±2.5
25	4.35	-3.16	-0.003833	±2.5
	3.23	-7.17	-0.008568	±2.5



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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service Hotline: 400 089 2118



Report No.: AGC03576190601FE07 Page 119 of 229

LTE Band 7

	Middle Channel, f ₀ = 2535 MHz					
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)			
-10		-11.54	-0.004613			
0 . 0		-1.52	-0.000606			
10	3.8	-9.07	-0.003578			
20	3.0	-17.57	-0.006930			
30		-10.81	-0.004212			
40	P - 6	-7.50	-0.002920			
05	4.35	-14.00	-0.005596			
25	3.23	5.16	0.002037			

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.

LTE Band 12

		L Dulla 12	
	Middle Chan	nel, f ₀ = 1882.5 MHz	
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)
-10	0	-3.02	-0.004314
0	10 20	-3.69	-0.005275
10		-3.60	-0.005095
20	3.8	-10.37	-0.014659
30	00 0	-3.12	-0.004360
40		-6.64	-0.009279
30	4.35	-11.87	-0.016969
25	3.23	-8.88	-0.012419

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.



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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com



Report No.: AGC03576190601FE07 Page 120 of 229

LTE Band 17

Middle Channel, f ₀ = 1882.5 MHz						
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)			
-10	- C. •	-2.17	-0.003078			
0	20	-1.24	-0.001762			
10		-4.63	-0.006528			
20	3.8	-2.36	-0.003324			
30	-6	-4.91	-0.006877			
40	10° c	-5.58	-0.007819			
25	4.35	-8.03	-0.011359			
	3.23	-3.36	-0.004735			

LTE Band 40

	Middle Channel, fo = 2350MHz					
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)			
-10		-1.96	-0.000851			
0	3 - C	-1.00	-0.000435			
10		-8.31	-0.003537			
20	3.8	-6.15	-0.002618			
30	7 - 6	-5.16	-0.002154			
40	100	-6.34	-0.002643			
cC	4.35	-7.37	-0.003200			
25	3.23	-14.52	-0.006179			

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.



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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service Hotline: 400 089 2118



Report No.: AGC03576190601FE07 Page 121 of 229

LTE Band 41

	Middle Channel, f ₀ = 2593 MHz						
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)				
-10	100	-10.39	-0.004093				
0_0		-8.44	-0.003326				
10	2.0	-2.06	-0.000794				
20	3.8	-11.07	-0.004270				
30		-3.22	-0.001213				
40		-6.95	-0.002621				
05	4.35	-14.15	-0.005575				
25	3.23	-8.87	-0.003420				

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



Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service Hotline: 400 089 2118



Page 122 of 229

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.



Xixiang, Bao'an District, Shenzhen, Guangdong, China



Report No.: AGC03576190601FE07 Page 123 of 229

LTE Band 2

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Madulatian	امسما	RB Conf	iguration	Cooursiad Donahuidth (MIII-)	\/o.valiat	
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict	
	LCH	6	0	1.078	PASS	
QPSK	MCH	6	0	1.074	PASS	
-30	HCH	6	0	1.074	PASS	
10	LCH	6	0	1.074	PASS	
16QAM	MCH	6	0	1.070	PASS	
) "	HCH	6	0	1.074	PASS	

Channel Bandwidth: 3 MHz

			Channel Bandv	vidth: 3 MHz	
	Channal	RB Conf	figuration	Ossuming Dandwidth(MIII-)	\/ordiat
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
8	LCH	15	0	2.674	PASS
QPSK	MCH	15	0	2.683	PASS
	HCH	15	0	2.674	PASS
	LCH	15	0	2.674	PASS
16QAM	MCH	15	0	2.674	PASS
	HCH	15	0	2.683	PASS

Channel Bandwidth: 5 MHz

		C	Channel Bandv	vidth: 5 MHz	
Manhalatina	0	RB Confi	guration	Occurried Department (MILE)	\
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	25	0	4.457	PASS
	MCH	25	0	4.472	PASS
8	HCH	25	0	4.486	PASS
2.0	LCH	25	0	4.472	PASS
16QAM	MCH	25	0	4.457	PASS
	HCH	25	0	4.472	PASS



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



Report No.: AGC03576190601FE07 Page 124 of 229

Channel Bandwidth: 10 MHz

	9)	_	la a sa a a la Da sa alsos	Salaha A O MALIA	
		C	hannel Bandw	iatn: 10 MHZ	
Madulatian	Chamal	RB Confi	guration	Occursied Developed (MILE)	\/===l:=+
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
-0	LCH	50	0	8.915	PASS
QPSK	MCH	50	0	8.944	PASS
	HCH	50	0	8.944	PASS
-C	LCH	50	0	8.915	PASS
16QAM	MCH	50	0	8.915	PASS
	HCH	50	0	8.915	PASS

Channel Bandwidth: 15 MHz

	Channel Bandwidth: 15 MHz						
N/a di ilatia a	Channal	RB Confi	guration	Coouried Deadwidth (MIII)	\/o.valia4		
Modulation Channel	Cnannei	Size	Offset	Occupied Bandwidth (MHz)	Verdict		
	LCH	75	0	13.415	PASS		
QPSK	MCH	75	0	13.372	13.372		
C	HCH	75	0	13.415	PASS		
0	LCH	75	0	13.372	PASS		
16QAM	MCH	75	0	13.372	PASS		
C.	HCH	75	0	13.415	PASS		

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channal	RB Config	guration	Occupied Rendwidth (MLI=)	\
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
0	LCH	100	0	17.829	PASS
QPSK	MCH	100	0	17.829	PASS
0	HCH	100	0	17.771	PASS
	LCH	100	0	17.829	PASS
16QAM	MCH	100	0	17.829	PASS
- 60	HCH	100	0	17.829	PASS



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



Report No.: AGC03576190601FE07 Page 125 of 229

LTE Band 5

Channel Bandwidth: 1.4 MHz

		Cł	nannel Bandwi	dth: 1.4 MHz	
Modulatian	Chamal	RB Confi	guration	Occursied Developed the (MILE)	\/avaliat
Modulation Channel	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	6	0	1.074	PASS
QPSK	MCH	6	0	1.078	PASS
GO _	HCH	6	0	1.070	PASS
10	LCH	6	0	1.070	PASS
16QAM	MCH	6	0	1.070	PASS
	HCH	6	0	1.074	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz								
Modulation	Channal	RB Confi	guration	Occupied Readwidth(MLI=)	Vordiat			
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
(S)	LCH	15	0	2.674	PASS			
QPSK	MCH	15	0	2.692	PASS			
10	HCH	15	0	2.674	PASS			
	LCH	15	0	2.674	PASS			
16QAM	MCH	15	0	2.674	PASS			
	HCH	15	0	2.674	PASS			



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



Page 126 of 229

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz									
NA - de de di - e	Observation of	RB Conf	iguration	Occurried Development (NALL)	\/ II .				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict				
0	LCH	25	0	4.472	PASS				
QPSK	MCH	25	0	4.472	PASS				
	HCH	25	0	4.457	PASS				
0	LCH	25	0	4.486	PASS				
16QAM	MCH	25	0	4.472	PASS				
	HCH	25	0	4.472	PASS				

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz								
Modulation	Channel	RB Conf	iguration	Occupied Bandwidth (MHz)	Verdict			
Modulation	Charmer	Size	Offset	Occupied Bandwidth (MHz)	verdict			
0	LCH	50	0	8.915	PASS			
QPSK	MCH	50	0	8.944	PASS			
· ·	HCH	50	0	8.915	PASS			
-0	LCH	50	0	8.915	PASS			
16QAM	MCH	50	0	8.944	PASS			
	HCH	50	0 @	8.915	PASS			



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



Report No.: AGC03576190601FE07 Page 127 of 229

LTE Band 7

Channel Bandwidth: 5MHz

		(Channel Bandv	vidth: 5 MHz	
Madulatian	Chamal	RB Conf	iguration	Coordinate Donatorial (MILE)	\/o.u.ali.a.t
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	25	0	4.472	PASS
QPSK	MCH	25	0	4.457	PASS
z.C	HCH	25	0	4.457	PASS
9	LCH	25	0	4.457	PASS
16QAM	MCH	25	0	4.457	PASS
	HCH	25	0	4.472	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz								
Modulation	Channel RB Configuration Size Offset			Occupied Bandwidth (MHz)	Verdict			
	LCH	50	0	8.915	PASS			
QPSK	MCH	50	0	8.915	PASS			
	HCH	50	0	8.944	PASS			
8	LCH	50	0	8.915	PASS			
16QAM	MCH	50	0	8.915	PASS			
	HCH	50	0	8.915	PASS			



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



Report No.: AGC03576190601FE07 Page 128 of 229

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz								
	01	RB Config	guration	O				
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict			
C.O	LCH	75	0	13.415	PASS			
QPSK	MCH	75	0	13.415	PASS			
	HCH	75	0	13.372	PASS			
-C	LCH	75	0	13.372	PASS			
16QAM	MCH	75	0	13.372	PASS			
	HCH	75	0	13.372	PASS			

Channel Bandwidth: 20 MHz

		С	hannel Bandw	idth: 20 MHz	
Madulatian	Chamal	RB Confi	guration	Occursis d Douglastidate (AALLe)	
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
	LCH	100	0	17.829	PASS
QPSK	MCH	100	0	17.829	PASS
30	HCH	100	0	17.829	PASS
	LCH	100	0	17.829	PASS
16QAM	MCH	100	0	17.829	PASS
	HCH	100	0	17.829	PASS



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



Report No.: AGC03576190601FE07 Page 129 of 229

LTE Band 12

Channel Bandwidth: 1.4 MHz

	Channel Bandwidth: 1.4 MHz								
Ma alvelatia a	Ob 1	RB Confi	guration	Occursion Department (MILE)	Mondial				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict				
	LCH	6	0	1.074	PASS				
QPSK	MCH	6	0	1.074	PASS				
00	HCH	6	0	1.074	PASS				
10	LCH	6	0	1.074	PASS				
16QAM	MCH	6	0	1.074	PASS				
	HCH	6	0	1.074	PASS				

Channel Bandwidth: 3 MHz

		C	hannel Band	width:3 MHz	
	Channal	RB Config	guration	Occurried Bondwidth(MLIT)	
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
0	LCH	15	0	2.683	PASS
QPSK	MCH	15	0	2.683	PASS
	HCH	15	0	2.683	PASS
	LCH	15	0	2.674	PASS
16QAM	MCH	15	0	2.683	PASS
	HCH	15	0	2.692	PASS



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



Page 130 of 229

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz									
NA - de de di ser	05	RB Conf	iguration	O i - d D - o do i dth /Ad l- \	\				
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict				
0	LCH	25	0	4.472	PASS				
QPSK	MCH	25	0	4.472	PASS				
	HCH	25	0	4.472	PASS				
- 0	LCH	25	0	4.486	PASS				
16QAM	MCH	25	0	4.472	PASS				
	HCH	25	0	4.486	PASS				

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz								
Modulation	Channal	RB Conf	iguration	Occupied Rendwidth (MIII-)	N/ P /			
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict			
	LCH	50	0	8.944	PASS			
QPSK	MCH	50	0	8.915	PASS			
C	HCH	50	0	8.915	PASS			
9	LCH	50	0	8.944	PASS			
16QAM	MCH	50	0	8.915	PASS			
	HCH	50	0	8.915	PASS			



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



Page 131 of 229

LTE Band 17 **Channel Bandwidth: 5 MHz**

Channel Bandwidth: 5 MHz								
	Chamal	RB Confi	guration	Occurried Donahuidth (MIII-)	Vandiat			
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
100	LCH	25	0	4.472	PASS			
QPSK	MCH	25	0	4.457	PASS			
0	HCH	25	0	4.472	PASS			
GU .	LCH	25	0	4.472	PASS			
16QAM	MCH	25	0	4.457	PASS			
8	HCH	25	0	4.486	PASS			

Channel Bandwidth: 10 MHz

		С	hannel Bandw	ridth: 10 MHz	
Madulatian	Channal	RB Confi	guration	Occurried Developed (MILL)	Voudint
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
	LCH	50	0	8.915	PASS
QPSK	MCH	50	0	8.915	PASS
GU .	HCH	50	0	8.915	PASS
	LCH	50	0 🌑	8.915	PASS
16QAM	MCH	50	0	8.915	PASS
2 _ C	HCH	50	0	8.915	PASS



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



Page 132 of 229

LTE Band 40

Channel Bandwidth: 5MHz

		C	hannel Bandw	vidth: 5 MHz	
Madulatian	Channal	RB Confi	guration	Occupied Department (MILE)	\/a nali a t
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	25	0	4.457	PASS
QPSK	MCH	25	0	4.457	PASS
C	HCH	25	0	4.472	PASS
	LCH	25	0	4.472	PASS
16QAM	MCH	25	0	4.486	PASS
	HCH	25	0	4.457	PASS

Channel Bandwidth: 10 MHz

		Ch	nannel Bandw	ridth: 10 MHz	
Modulation	Channel	RB Config	guration Offset	Occupied Bandwidth (MHz)	Verdict
	LCH	50	0	8.915	PASS
QPSK	MCH	50	0	8.944	PASS
	HCH	50	0 🌑	8.944	PASS
0	LCH	50	0	8.944	PASS
16QAM	MCH	50	0	8.973	PASS
	HCH	50	0	8.915	PASS



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



Page 133 of 229

Channel Bandwidth: 15 MHz

		Ch	nannel Bandw	idth: 15 MHz	
Madulatian	Ob a see al	RB Config	guration	Occurried Dandwidth (MILE)	Manaliat
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
C.C	LCH	75	0	13.415	PASS
QPSK	MCH	75	0	13.459	PASS
0	HCH	75	0	13.372	PASS
-C	LCH	75	0	13.415	PASS
16QAM	MCH	75	0	13.415	PASS
	HCH	75	0	13.415	PASS

Channel Bandwidth: 20 MHz

		С	hannel Bandw	ridth: 20 MHz	
Madulatian	Chamal	RB Confi	guration	Occupied Bandwidth (MIII)	\/amdiat
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
	LCH	100	0	17.829	PASS
QPSK	MCH	100	0	17.829	PASS
60	HCH	100	0	17.887	PASS
	LCH	100	0	17.771	PASS
16QAM	MCH	100	0	17.829	PASS
	HCH	100	0	17.829	PASS





Report No.: AGC03576190601FE07 Page 134 of 229

LTE Band 41

Channel Bandwidth: 5MHz

		C	Channel Bandv	vidth: 5 MHz	
Madulation	Chamal	RB Confi	guration	Occurried Developed (MI In)	\/o.wali.a4
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
70	LCH	25	0	4.472	PASS
QPSK	MCH	25	0	4.457	PASS
C	HCH	25	0	4.472	PASS
0	LCH	25	0	4.472	PASS
16QAM	MCH	25	0	4.457	PASS
	HCH	25	0	4.472	PASS

Channel Bandwidth: 10 MHz

		Ch	nannel Bandw	ridth: 10 MHz	
Modulation	Channel	RB Configuration Size Offset		Occupied Bandwidth (MHz)	Verdict
	LCH	50	0	8.915	PASS
QPSK	MCH	50	0	8.915	PASS
	HCH	50	0	8.944	PASS
8	LCH	50	0	8.915	PASS
16QAM	MCH	50	0	8.915	PASS
	HCH	50	0	8.915	PASS



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



Report No.: AGC03576190601FE07 Page 135 of 229

Channel Bandwidth: 15 MHz

		C	hannel Bandw	idth: 15 MHz	
Madulatian	01	RB Conf	iguration	O	Manaliat
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
C.C	LCH	75	0	13.459	PASS
QPSK	MCH	75	0	13.372	PASS
0	HCH	75	0	13.415	PASS
~C	LCH	75	0	13.415	PASS
16QAM	MCH	75	0	13.372	PASS
	HCH	75	0	13.415	PASS

Channel Bandwidth: 20 MHz

		С	hannel Bandw	idth: 20 MHz	
Madulatian	Channal	RB Confi	guration	Occupied Developed (MILE)	\/ovaliat
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
	LCH	100	0	17.829	PASS
QPSK	MCH	100	0	17.829	PASS
60	HCH	100	0	17.829	PASS
	LCH	100	0	17.829	PASS
16QAM	MCH	100	0	17.829	PASS
	HCH	100	0	17.829	PASS

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



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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com



Page 136 of 229

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.



Xixiang, Bao'an District, Shenzhen, Guangdong, China



Page 137 of 229

LTE Band 2

Channel Bandwidth: 1.4 MHz

		Cł	nannel Bandwid	th: 1.4 MHz	
Modulation	Channel	RB Confi	guration	26dB Bandwidth	Verdict
iviodulation	Charmer	Size	Offset	(MHz)	verdict
	LCH	6	0	1.205	PASS
QPSK	MCH	6	0	1.205	PASS
c.C	HCH	6	0	1.230	PASS
	LCH	6	0	1.213	PASS
16QAM	MCH	6	0	1.189	PASS
	HCH	6	0	1.173	PASS

Channel Bandwidth: 3 MHz

		С	hannel Bandw	idth: 3 MHz	
		RB Confi			
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	15	0	2.791	PASS
QPSK	MCH	15	0	2.817	PASS
9	HCH	15	0	2.817	PASS
	LCH	15	0	2.817	PASS
16QAM	MCH	15	0	2.800	PASS
	HCH	15	0	2.800	PASS

Channel Bandwidth: 5 MHz

		CI	hannel Bandw	idth: 5 MHz	
Modulation Chai	Channal	RB Config	guration	OCAD Dandwidth (MILE)	\/avaliat
	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
- C	LCH	25	0	4.725	PASS
QPSK	MCH	25	0	4.696	PASS
	HCH	25	0	4.696	PASS
	LCH	25	0	4.710	PASS
16QAM	MCH	25	0	4.754	PASS
	HCH	25	0	4.696	PASS



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



Report No.: AGC03576190601FE07 Page 138 of 229

Channel Bandwidth: 10 MHz

		С	hannel Bandwi	dth: 10 MHz	
Madulatian	امسمط	RB Confi	guration	OCAD Danadavidth (MILL)	\/avaliat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
-C	LCH	50	0	9.304	PASS
QPSK	MCH	50	0	9.304	PASS
	HCH	50	0	9.333	PASS
-C	LCH	50	0	9.333	PASS
16QAM	MCH	50	0	9.333	PASS
	HCH	50	0	9.275	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Madulatian	Ob a made	RB Cor	nfiguration	OCAD David Middle (MILL)	\		
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict		
	LCH	75	0	14.087	PASS		
QPSK	MCH	75	0	14.087	PASS		
	HCH	75	0	14.087	PASS		
0	LCH	75	0	14.087	PASS		
16QAM	MCH	75	0	14.087	PASS		
	HCH	75	0	14.043	PASS		

Channel Bandwidth: 20 MHz

		С	hannel Bandwi	dth: 20 MHz	
Madulatian	Chamad	RB Confi	guration		Vandiat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	100	0	18.551	PASS
QPSK	MCH	100	0	18.551	PASS
GU ,	HCH	100	0	18.551	PASS
	LCH	100	0	18.551	PASS
16QAM	MCH	100	0	18.551	PASS
V .C	HCH	100	0	18.551	PASS



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



Report No.: AGC03576190601FE07 Page 139 of 229

LTE Band 5

Channel Bandwidth: 1.4 MHz

		Ch	nannel Bandwid	dth: 1.4 MHz	
Madulatian	امسمط	RB Confi	guration		\/a vali at
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	6	0	1.177	PASS
QPSK	MCH	6	0	1.205	PASS
c ₃ C	HCH	6	0	1.201	PASS
16QAM M	LCH	6	0	1.201	PASS
	MCH	6	0	1.205	PASS
	HCH	6	0	1.221	PASS

Channel Bandwidth: 3 MHz

		C	hannel Bandw	idth: 3 MHz	
N4 1 1 4	01 1	RB Confi	guration	00 ID D	\/ !: .
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	15	0	2.809	PASS
QPSK	MCH	15	0	2.809	PASS
	HCH	15	0	2.809	PASS
16QAM	LCH	15	0	2.800	PASS
	MCH	15	0	2.809	PASS
	HCH	15	0	2.817	PASS

Channel Bandwidth: 5 MHz

		С	hannel Band	width: 5MHz	
Madulatian	Channal	RB Config	guration	OCAD Developed (MILL)	\
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
- C	LCH	25	0	4.710	PASS
QPSK	MCH	25	0	4.667	PASS
	HCH	25	0	4.725	PASS
	LCH	25	0	4.696	PASS
16QAM	MCH	25	0	4.710	PASS
	HCH	25	0	4.667	PASS



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



Page 140 of 229

Channel Bandwidth: 10 MHz

		С	hannel Bandwi	dth: 10MHz	
Madulatian	Channal	RB Confi	guration	OCAD Donahuidkh (MIII-)	Vandiat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
-C	LCH	50	0	9.275	PASS
QPSK	MCH	50	0	9.304	PASS
	HCH	50	0	9.275	PASS
-C	LCH	50	0	9.275	PASS
16QAM	MCH	50	0	9.304	PASS
	HCH	50	0	9.275	PASS



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



Report No.: AGC03576190601FE07 Page 141 of 229

LTE Band 7

Channel Bandwidth: 5 MHz

			Channel Bandw	idth: 5MHz	
Madulatian	01	RB Con	figuration	OCAD Doministry (MILE)	Mondial
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
10	LCH	25	0	4.696	PASS
QPSK	MCH	25	0	4.696	PASS
	HCH	25	0	4.710	PASS
9	LCH	25	0	4.681	PASS
16QAM	MCH	25	0	4.725	PASS
	HCH	25	0	4.710	PASS

Channel Bandwidth: 10 MHz

	O.							
	Ci	Channel Bandwidth: 10MHz						
Channal	RB Config	guration	OCAD Donadwidth (MIII)	Vordiet				
Channel	Size	Offset	260B Bandwidth (MHZ)	Verdict				
LCH	50	0	9.275	PASS				
MCH	50	0	9.333	PASS				
HCH	50	0	9.333	PASS				
LCH	50	0	9.304	PASS				
MCH o	50	0	9.304	PASS				
HCH	50	0	9.275	PASS				
(MCH HCH LCH MCH	RB Config Size Size LCH 50 MCH 50 HCH 50 LCH 50 MCH 50	RB Configuration Channel RB Configuration Size Offset LCH 50 0 MCH 50 0 LCH 50 0 MCH 50 0 MCH 50 0	RB Configuration 26dB Bandwidth (MHz) Channel RB Configuration 26dB Bandwidth (MHz) LCH 50 0 9.275 MCH 50 0 9.333 HCH 50 0 9.333 LCH 50 0 9.304 MCH 50 0 9.304				



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



Report No.: AGC03576190601FE07 Page 142 of 229

Channel Bandwidth: 15 MHz

		С	hannel Bandwi	dth: 15MHz	
Manhalatian	01	RB Confi	guration	OCALD De redecidate (AALLE)	\
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
60	LCH	75	0	14.087	PASS
QPSK	MCH	75	0	14.087	PASS
· ·	HCH	75	0	14.043	PASS
0	LCH	75	0	14.087	PASS
16QAM	MCH	75	0	14.087	PASS
	HCH	75	0	14.087	PASS

Channel Bandwidth: 20 MHz

		С	hannel Bandwi	dth: 20MHz	
Madulation	Channal	RB Confi	guration	OCAD Danah wialth (MILE)	\/a nali at
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	100	0	18.551	PASS
QPSK	MCH	100	0	18.551	PASS
-,0	HCH	100	0	18.551	PASS
	LCH	100	0	18.551	PASS
16QAM	MCH	100	0	18.551	PASS
	HCH	100	0	18.551	PASS



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



Page 143 of 229

LTE Band 12

Channel Bandwidth: 1.4 MHz

		Cl	hannel Bandwi	dth: 1.4MHz	
Modulation	Channal	RB Confi	guration	26dB Bondwidth (MIII-)	Vordiat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	6	0	1.201	PASS
QPSK	MCH	6	0	1.185	PASS
C.O	HCH	6	0	1.213	PASS
~ ~(LCH	6	0	1.177	PASS
16QAM	MCH	6	0	1.209	PASS
5	HCH	6	0	1.230	PASS

Channel Bandwidth: 3 MHz

		С	hannel Bandwi	dth: 3MHz	
	Observati	RB Config	juration		\
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
C	LCH	15	0	2.791	PASS
QPSK	MCH	15	0	2.817	PASS
	HCH	15	0	2.826	PASS
	LCH	15	0	2.800	PASS
16QAM	MCH	15	0	2.809	PASS
	HCH	15	0	2.826	PASS



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



Report No.: AGC03576190601FE07 Page 144 of 229

Channel Bandwidth: 5 MHz

			Channel Bandw	idth: 5MHz	
Madulatian	Chamal	RB Con	figuration	OCAD Donadovidsh (MILE)	Vondist
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
-0	LCH	25	0	4.710	PASS
QPSK	MCH	25	0	4.681	PASS
	HCH	25	0	4.754	PASS
C	LCH	25	0	4.710	PASS
16QAM	MCH	25	0	4.696	PASS
	HCH	25	0	4.696	PASS

Channel Bandwidth: 10 MHz

		С	hannel Bandwi	dth: 10MHz	
Manhalatian	0	RB Confi	guration	00 dD D = 1 do ddd (A41 l=)	Manaliat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	50	0	9.333	PASS
QPSK	MCH	50	0	9.304	PASS
30	HCH	50	0	9.333	PASS
	LCH	50	0 ◎	9.304	PASS
16QAM	MCH	50	0	9.304	PASS
	HCH	50	0	9.304	PASS



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



Page 145 of 229

LTE BAND 17

Channel Bandwidth: 5 MHz

		C	Channel Bandw	ridth: 5MHz	
Madulatian	Channal	RB Confi	guration	OCAD Danadwidth (MILE)	\
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	25	0	4.710	PASS
QPSK	MCH	25	0	4.681	PASS
C ₂ C	HCH	25	0	4.681	PASS
	LCH	25	0	4.696	PASS
16QAM	MCH	25	0	4.710	PASS
	HCH	25	0	4.696	PASS

Channel Bandwidth: 10 MHz

		Ch	nannel Bandwic	lth: 10MHz	
	Oh a maal	RB Config	uration		\/amaliat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
- 0	LCH	50	0	9.304	PASS
QPSK	MCH	50	0	9.304	PASS
	HCH	50	0	9.304	PASS
	LCH	50	0	9.275	PASS
16QAM	MCH	50	0	9.304	PASS
	HCH	50	0	9.275	PASS



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



Report No.: AGC03576190601FE07 Page 146 of 229

LTE Band 40

Channel Bandwidth: 5 MHz

			Channel Bandw	idth: 5MHz	
Madulation	Channal	RB Con	figuration	OCAD Demokratala (MIII-)	.,
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	25	0	4.696	PASS
QPSK	MCH	25	0	4.652	PASS
	HCH	25	0	4.681	PASS
9	LCH	25	0	4.710	PASS
16QAM	MCH	25	0	4.681	PASS
	HCH	25	0	4.681	PASS

Channel Bandwidth: 10 MHz

12			- ()		
		CI	hannel Bandwi	dth: 10MHz	
Madulation	Channal	RB Config	guration	26dD Dondwidth (MLIT)	N/ 11 /
Modulation	Channel -	Size	Offset	26dB Bandwidth (MHz)	Verdict
0	LCH	50	0	9.304	PASS
QPSK	MCH	50	0	9.275	PASS
	HCH	50	0	9.333	PASS
0	LCH	50	0	9.304	PASS
16QAM	MCH	50	0	9.333	PASS
	HCH	50	0	9.304	PASS



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



Report No.: AGC03576190601FE07 Page 147 of 229

Channel Bandwidth: 15 MHz

		С	hannel Bandwi	dth: 15MHz	
Madulatian	Ob a m a a l	RB Confi	guration	OCAD Demokratikh (MILLE)	Manaliat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
C.O	LCH	75	0	14.043	PASS
QPSK	MCH	75	0	14.087	PASS
©	HCH	75	0	14.087	PASS
16QAM	LCH	75	0	14.087	PASS
	MCH	75	0	14.043	PASS
	HCH	75	0	14.087	PASS

Channel Bandwidth: 20 MHz

		С	hannel Bandwi	dth: 20MHz	
Madulatian	Champal	RB Confi	guration	OCAD Danah wialth (MILE)	.,
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	100	0	18.609	PASS
QPSK	MCH	100	0	18.551	PASS
-30	HCH	100	0	18.609	PASS
	LCH	100	0	18.551	PASS
16QAM	MCH	100	0	18.551	PASS
	HCH	100	0	18.551	PASS



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



Report No.: AGC03576190601FE07 Page 148 of 229

LTE Band 41

Channel Bandwidth: 5 MHz

		C	Channel Bandw	idth: 5MHz	
Madulatian	Champal	RB Confi	guration	OCAD Danaduriatio (MILL)	
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	25	0	4.667	PASS
QPSK	MCH	25	0	4.652	PASS
	HCH	25	0	4.725	PASS
	LCH	25	0	4.681	PASS
16QAM	MCH	25	0	4.667	PASS
	HCH	25	0	4.725	PASS

Channel Bandwidth: 10 MHz

		С	hannel Bandwi	dth: 10MHz	
Madulation	Channal	RB Confi	guration	OCAD Donaturiath (MILIT)	Vordiat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
0	LCH	50	0	9.304	PASS
QPSK	MCH	50	0	9.275	PASS
	HCH	50	0	9.304	PASS
0	LCH	50	0	9.304	PASS
16QAM	MCH	50	0	9.333	PASS
	HCH	50	0	9.333	PASS



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



Page 149 of 229

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15MHz								
Modulation	Channel	RB Configuration		OCAD Danakaiduk (MUL-)	\			
		Size	Offset	26dB Bandwidth (MHz)	Verdict			
QPSK	LCH	75	0	14.087	PASS			
	MCH	75	0	14.043	PASS			
	HCH	75	0	14.087	PASS			
16QAM	LCH	75	0	14.087	PASS			
	MCH	75	0	14.087	PASS			
	HCH	75	0	14.043	PASS			

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20MHz							
Modulation	Channel	RB Configuration		OCAD Donadovialle (MIII-)	Vandiat		
		Size	Offset	26dB Bandwidth (MHz)	Verdict		
QPSK	LCH	100	0	18.551	PASS		
	MCH	100	0	18.551	PASS		
	HCH	100	0	18.551	PASS		
16QAM	LCH	100	0	18.551	PASS		
	MCH	100	0	18.551	PASS		
	HCH	100	0	18.551	PASS		

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



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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,



Report No.: AGC03576190601FE07 Page 150 of 229

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 Band 7:

- (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



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

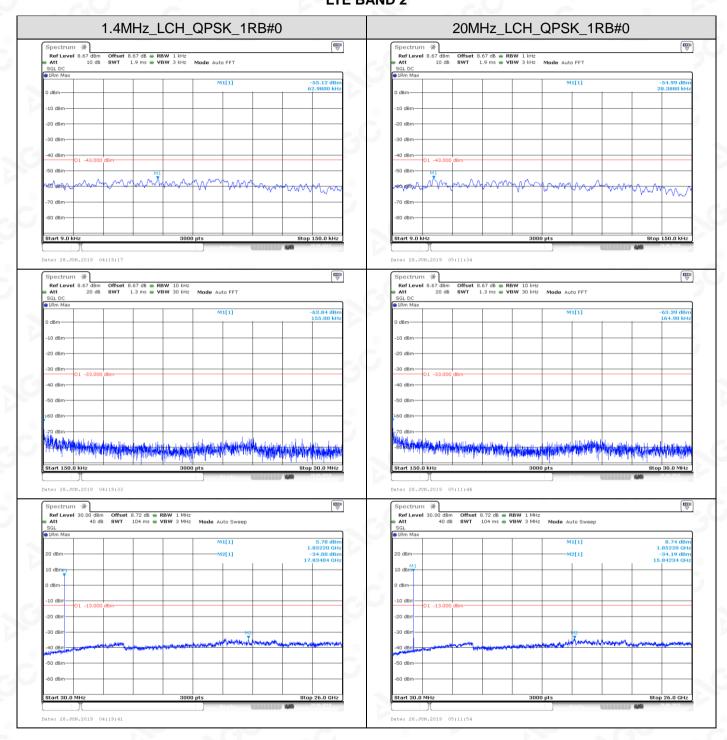
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China



Page 151 of 229

APPENDIX A TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 2





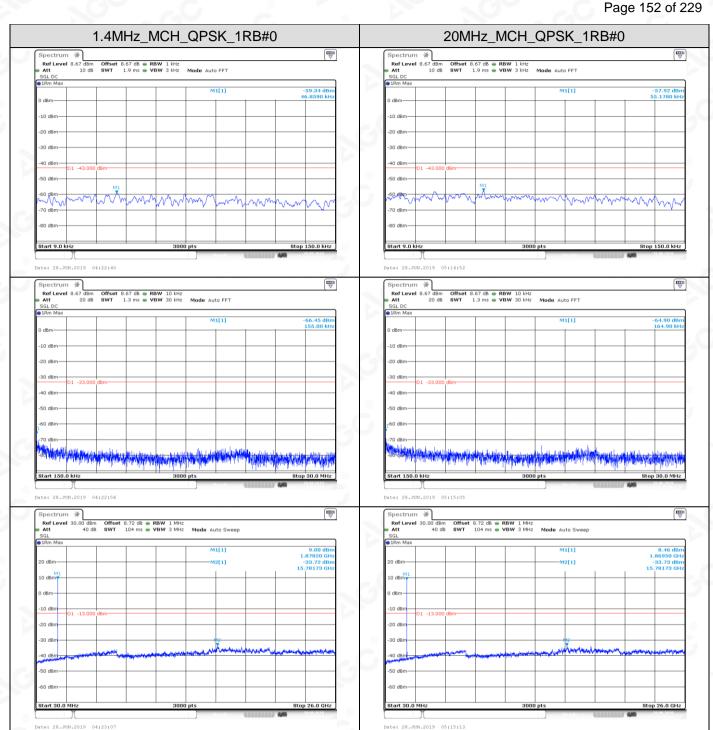
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com

E-mail:agc@agc-cert.com Service Hotline: 400 089 2118



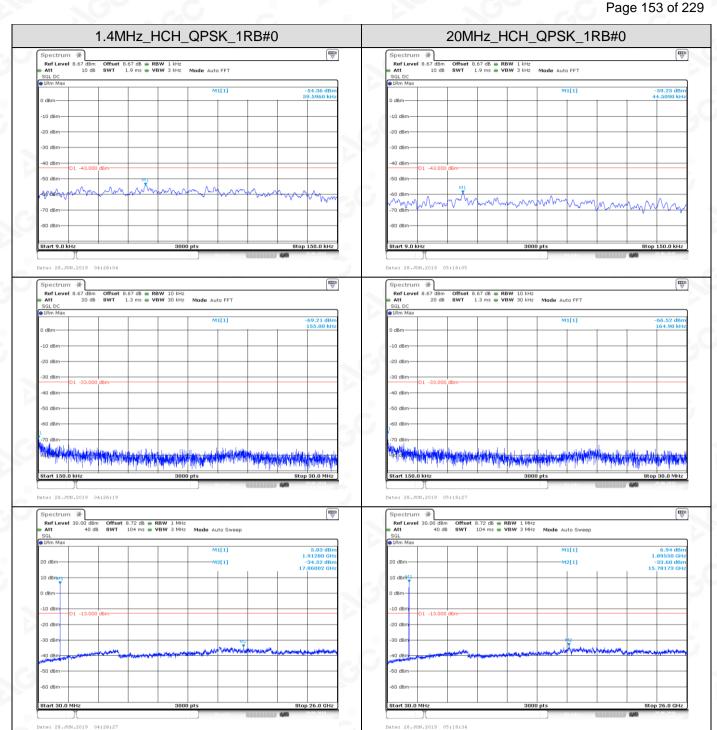




Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,







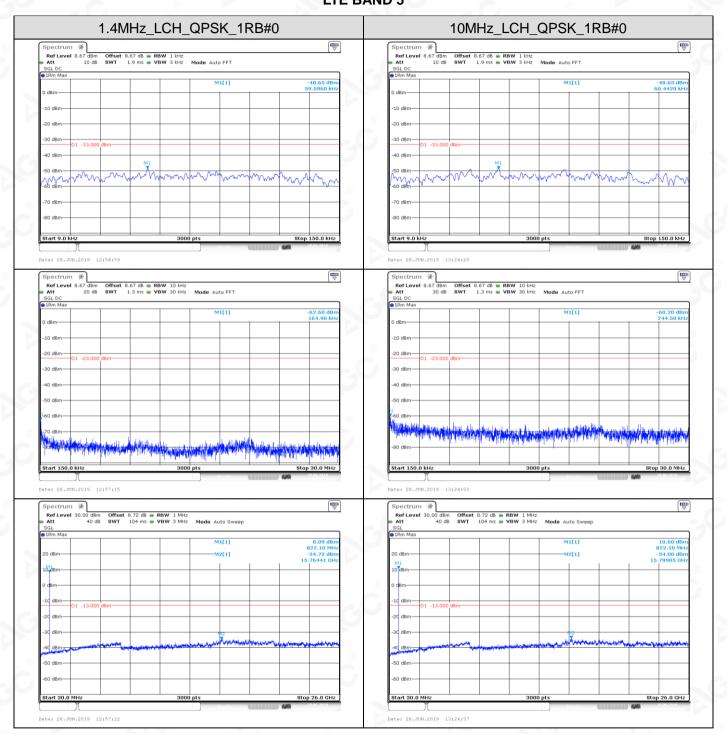
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,



Report No.: AGC03576190601FE07 Page 154 of 229

TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 5



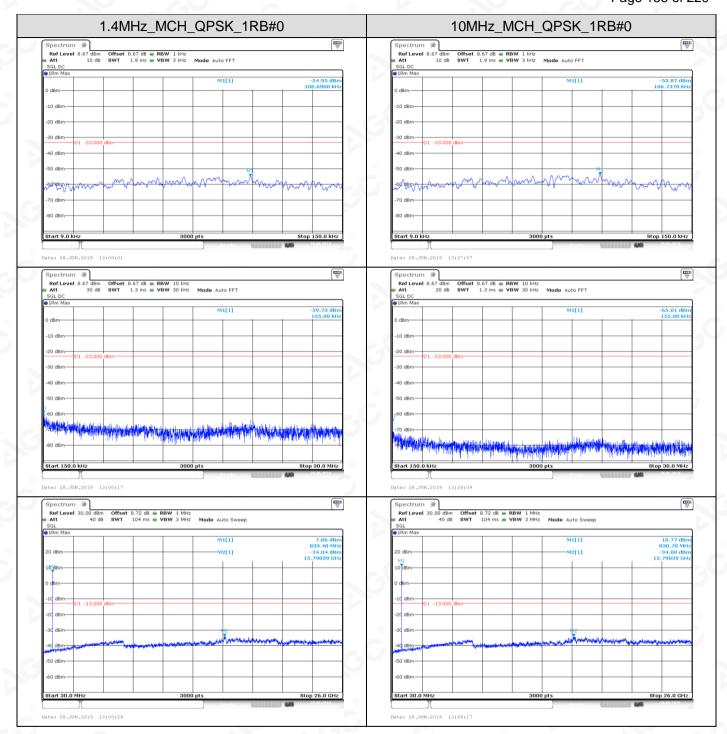


Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,



Report No.: AGC03576190601FE07 Page 155 of 229



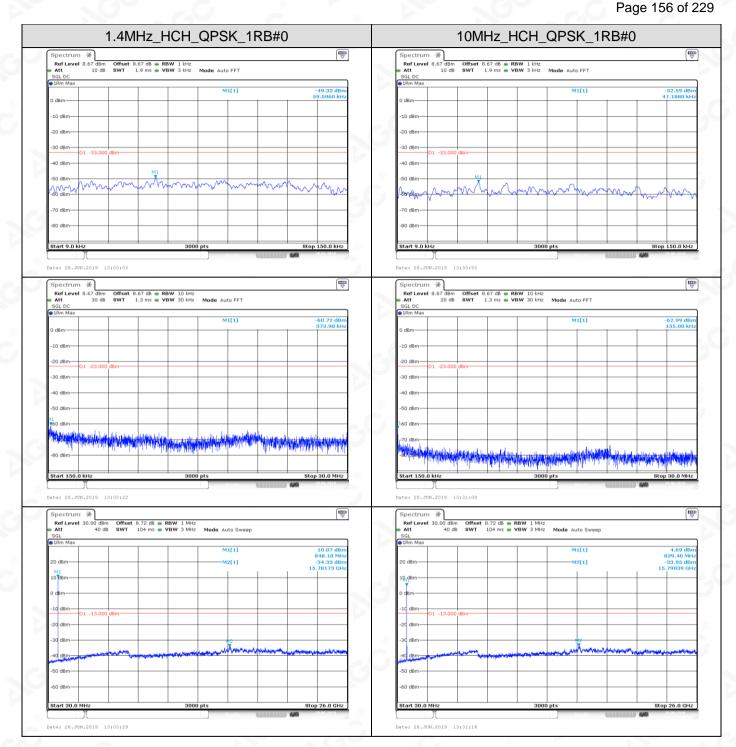


Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

Xixiang, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com







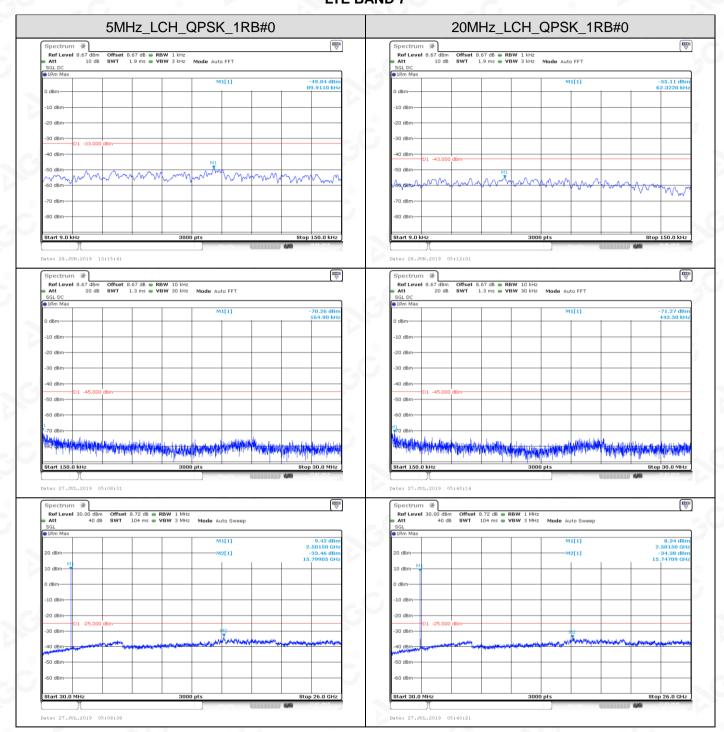
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,



Report No.: AGC03576190601FE07 Page 157 of 229

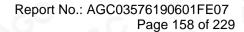
TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 7



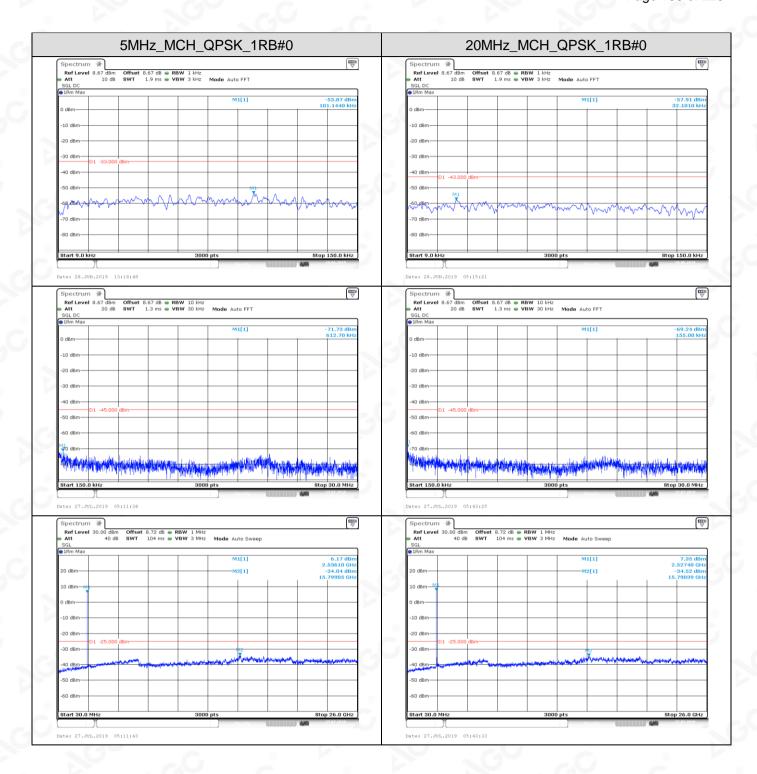


Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,



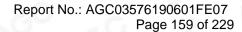




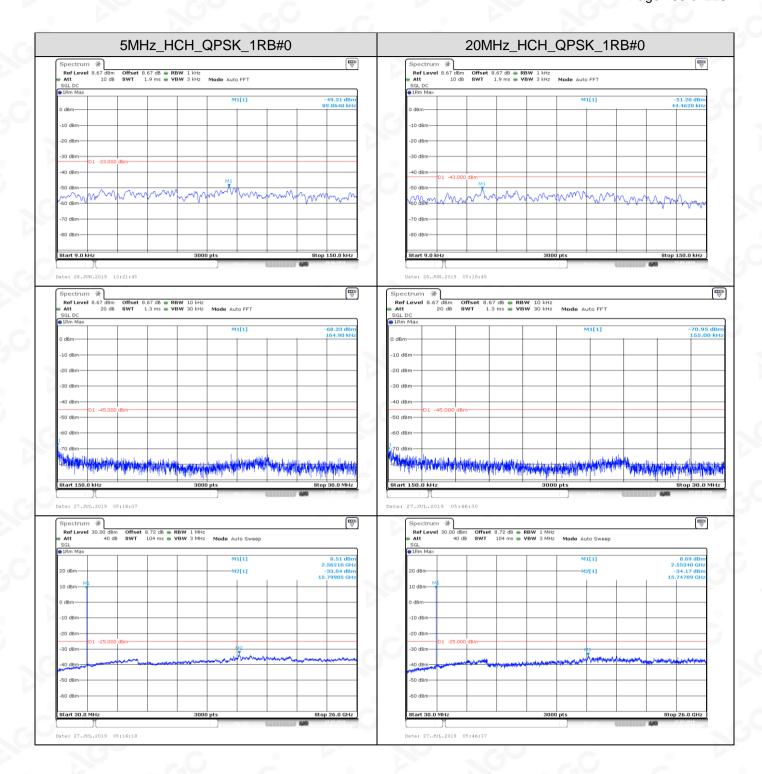


Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,









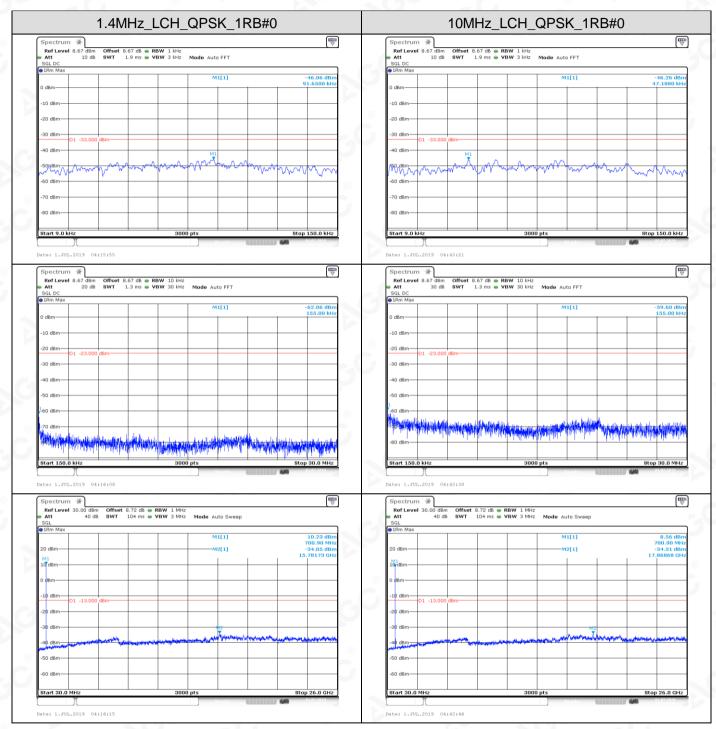
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,



Page 160 of 229

TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 12

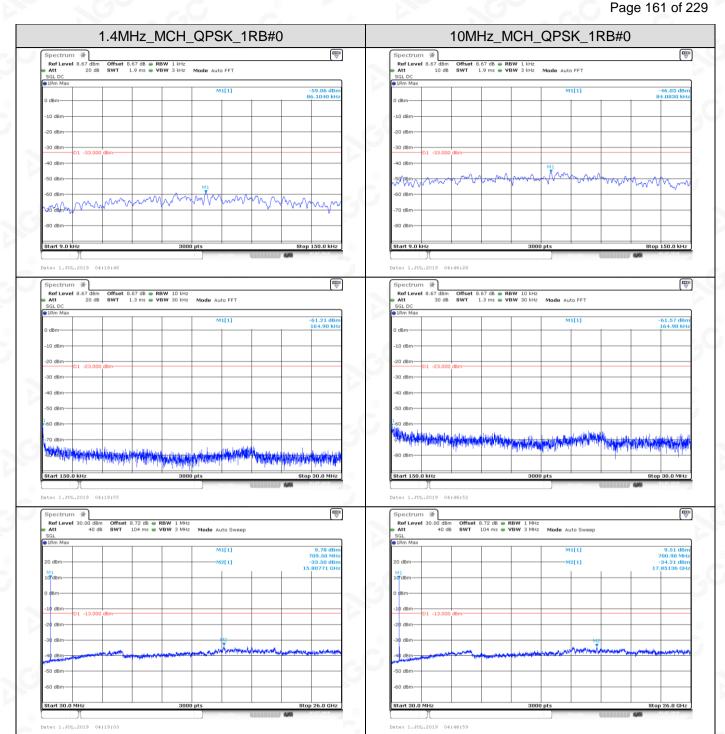




Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,







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

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,