

Page 111 of 204

#### LTE Band 25

		- Compile	
Mi	ddle Channel, fo = 188	32.5 MHz	
Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-mi	-7.95	-0.004155	±2.5
The Compliance	-10.37	-0.005418	±2.5
of Global C	-10.43	-0.005448	±2.5
0.7	-8.41	-0.004394	±2.5
3.7	-7.95	-0.004155	±2.5
Compliance	-12.69	-0.006628	±2.5
(C) Station of Chopper	-12.47	-0.006516	±2.5
J AID CO	-9.37	-0.004895	±2.5
4.2	-11.33	-0.005918	e ±2.5
3.5	-0.17	-0.000104	±2.5
	Power Supplied (VDC)  3.7	Power Supplied (VDC)  -7.95 -10.37 -10.43 -8.41 -7.95 -12.69 -12.47 -9.37 4.2 -11.33	Power Supplied (VDC)  -7.95 -0.004155 -10.37 -0.005418 -10.43 -8.41 -7.95 -0.004394 -7.95 -12.69 -12.47 -0.006516 -9.37 -0.004895 -11.33 -0.005918

Note: The EUT doesn't work below -10℃



Page 112 of 204

#### 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.

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



Report No.: AGC01684180501FE07 Page 113 of 204

TE D . . . . . .

**Channel Bandwidth: 1.4 MHz** 

		C	hannel Bandwi	idth: 1.4 MHz	
Madulatian	Channal	RB Conf	figuration	Occurried Department (MILE)	\/a = di at
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	6	The O	1.0773	PASS
QPSK	MCH	6	distribution O S	1.0798	PASS
	HCH		PASS		
16QAM	LCH	6	0	1.0781	PASS
	MCH	6	0	1.0766	PASS
	HCH	6	0	1.0788	PASS

**Channel Bandwidth: 3 MHz** 

		С	hannel Bandv	vidth: 3 MHz	
Madulation	Chamal	RB Config	guration	Occupied Deadwidth (MIII)	\
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	15	0	2.6844	PASS
QPSK	MCH	15	0	2.6831	PASS
EX Compliance	HCH	15	O O	2.6859	PASS
E) The station of Globo	LCH	15	0	2.6841	PASS
16QAM	MCH	15	0	2.6848	PASS
	HCH	15	O. J. Global	2.6823	PASS

**Channel Bandwidth: 5 MHz** 

Channel Bandwidth: 5 MHz								
Madulation	Channal	RB Con	figuration	Occupied Departurieth (MIII)	Vo reliet			
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict			
of Glopal Court	LCH	25	0	4.4741	PASS			
QPSK	MCH	25	0	4.4757	PASS			
	HCH	25	0	4.4783	PASS			
The Manual	LCH	25	0	4.4692	PASS			
16QAM	MCH	25	0	4.4727	PASS			
Alles	HCH	25	0	4.4762	PASS			

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



Page 114 of 204

## **Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10 MHz								
Madulation	Channal	RB Confi	guration	Occupied Bandwidth (MIII-)	\/ordiot			
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict			
C Alles	LCH	50	0	8.9358	PASS			
QPSK	MCH	50	0	8.9278	PASS			
	HCH	50	O S	8.9173	PASS			
LCH	LCH	50	0	8.9363	PASS			
16QAM	MCH	50	0	8.9217	PASS			
	HCH	50	0	8.9287	PASS			

## **Channel Bandwidth: 15 MHz**

Channel Bandwidth: 15 MHz								
Modulation	Channal	RB Confi	guration	Occupied Bondwidth (MIII-)	Vordict			
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict			
obal Cu.	LCH	75	0	13.396	PASS			
QPSK	MCH	75	0	13.388	PASS			
lin:	HCH	75	IN 10	13.375	PASS			
The Compliance	LCH	75	alian of	13.406	PASS			
16QAM	MCH	75	0	13.403	PASS			
	HCH	75	0	13.374	PASS			

## Channel Bandwidth: 20 MHz

		C	hannel Bandwi	dth: 20 MHz	
	Channal	RB Conf	iguration	Occupied Dandwidth (MUT)	Vardiet
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
K Compliance	LCH	100	0 0	17.882	PASS
QPSK	MCH	100	0	17.823	PASS
	HCH	100	0	17.844	PASS
	LCH	100	0	17.888	PASS
16QAM	MCH	100	0	17.833	PASS
® Attestation of Co.	HCH	100	0	17.821	PASS

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



Report No.: AGC01684180501FE07 Page 115 of 204

TF Band 4

**Channel Bandwidth: 1.4 MHz** 

		C	hannel Bandwi	dth: 1.4 MHz	
Madulatian	Channal	RB Conf	figuration	Occupied Developed (MILE)	\/a = di at
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	6	The Opening	1.0769	PASS
QPSK	MCH	6	distribution O S	1.0771	PASS
	HCH		PASS		
16QAM	LCH	6	0	1.0787	PASS
	MCH	6	0	1.0810	PASS
	HCH	- The 6	<b>4</b> 0	1.0780	PASS

**Channel Bandwidth: 3 MHz** 

		С	hannel Bandv	vidth: 3 MHz	
Madulation	Channal	RB Config	guration	Occupied Denduidth/MILE	\/a ==!: a4
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
CO M	LCH	15	0	2.6831	PASS
QPSK	MCH	15	1.0	2.6865	PASS
The Compliance	HCH	15	nion of Garage	2.6854	PASS
The state of Good	LCH	15	0	2.6843	PASS
16QAM	MCH	15	0	2.6834	PASS
	HCH	15	O S Shoot	2.6912	PASS

**Channel Bandwidth: 5 MHz** 

			Channel Bandv	vidth: 5 MHz	
Madulation	Channal	RB Con	figuration	Occupied Dandwidth (MIII-)	\/ordiat
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
TV Combinan	LCH	25	0	4.4817	PASS
QPSK	MCH	25	0	4.4801	PASS
	HCH	25	0	4.4797	PASS
	LCH	25	0	4.4757	PASS
16QAM	MCH	25_	O O	4.4773	PASS
Attestation	HCH	25	0	4.4810	PASS

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



Report No.: AGC01684180501FE07 Page 116 of 204

Channel Bandwidth: 10 MHz

		Cł	nannel Bandw	ridth: 10 MHz	
Madulation	Channal	RB Config	guration	Occupied Dandwidth (MLIT)	Vordict
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
C Allee	LCH	50	0	8.9471	PASS
QPSK	MCH	50	0	8.9299	PASS
	HCH	50	0	8.9286	PASS
3) Attestation of Cartestation	LCH	50	0	8.9417	PASS
16QAM	MCH	50	0	8.9401	PASS
	HCH	50	0	8.9343	PASS

**Channel Bandwidth: 15 MHz** 

		C	hannel Bandwi	dth: 15 MHz	Adda Add
				utti. 13 Wil 12	
Modulation	Channel	RB Configuration  Size Offset Occupied Bandwidth (MHz)	Verdict		
obal Co.	LCH	75	0	13.411	PASS
QPSK	MCH	75	0	13.415	PASS
III:	HCH	75	T. 0	13.392	PASS
The Compliance	LCH	75	Alion of	13.415	PASS
16QAM	MCH	75	0	13.418	PASS
G	HCH	75	0	13.392	PASS

**Channel Bandwidth: 20 MHz** 

		CI	hannel Bandw	idth: 20 MHz	
	Channal	RB Confi	guration	Occursion Depote violate (MILIE)	V
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
The Compliance	LCH	100	0	17.852	PASS
QPSK	MCH	100	0	17.858	PASS
	нсн	100	0	17.830	PASS
	LCH	100	The October of the Company	17.854	PASS
16QAM	MCH _	100	attestation of C	17.876	PASS
(R) Attestation of Co.	HCH	100	0	17.827	PASS

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



Report No.: AGC01684180501FE07 Page 117 of 204

LTE Band 5

**Channel Bandwidth: 1.4 MHz** 

		Ch	nannel Bandw	dth: 1.4 MHz	
Madulatian	Channal	RB Confi	guration	Occurried Department (MALLE)	\/a = di at
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	6	1 O	1.0794	PASS
QPSK	MCH	6	O ®	1.0741	PASS
	HCH	6	0	1.0786	PASS
-6	LCH	6	0	1.0821	PASS
16QAM	MCH	6	0	1.0785	PASS
	HCH	6	<b>4</b> 0	1.0771	PASS

**Channel Bandwidth: 3 MHz** 

		C	hannel Bandv	vidth: 3 MHz	
Madulation	Channal	RB Confi	guration	Occupied Dandwidth (MIII-)	Vordict
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
CO M	LCH	15	0	2.6868	PASS
QPSK	MCH	15	1 0	2.6878	PASS
The Compliance	HCH	15	allian of Co.	2.6815	PASS
The station of Globa	LCH	15	0	2.6869	PASS
16QAM	MCH	15	0	2.6877	PASS
	HCH	15	0 - 3000	2.6839	PASS



Page 118 of 204

#### **Channel Bandwidth: 5 MHz**

		C	Channel Bandwi	idth: 5 MHz	
Maria India	Channal	RB Confi	guration	Occupied Dandwidth/MII=\	Vordiet
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
(B) Attestation	LCH	25	0	4.4878	PASS
QPSK	MCH	25	O	4.4829	PASS
THE THE	HCH ,	25	tation of Global O ®	4.4682	PASS
3) The Honor Global Co.	LCH	25	0	4.4762	PASS
16QAM	MCH	25	0	4.4797	PASS
	HCH	25	0 👊	4.4733	PASS

## Channel Bandwidth: 10 MHz

Allie	3,110	-			III				
	Channel Bandwidth: 10 MHz								
Modulation	Channel	RB Confi	guration	Occupied Bandwidth (MHz)	Verdict				
Modulation	Channel	Size	Offset	Occupied Baridwidth (MH2)	verdict				
松子	LCH	50	O station of C	8.9307	PASS				
QPSK	MCH	50	0	8.9484	PASS				
	HCH	50	0	8.8998	PASS				
	LCH	50	0	8.9299	PASS				
16QAM	MCH	50	Mort of Circle O	8.9488	PASS				
The Copy Court	HCH	50	0	8.9179	PASS				



Report No.: AGC01684180501FE07 Page 119 of 204

LTE Band 7

**Channel Bandwidth: 5MHz** 

			Channel Bandv	vidth: 5 MHz	
Madulatian	Channal	RB Con	figuration	Opposition Deporture (MILE)	\
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	25	0	4.4831	PASS
QPSK	MCH	25	0	4.4740	PASS
	HCH	25	0	4.4843	PASS
- 6	LCH	25	0	4.4840	PASS
16QAM	MCH	25	0	4.4805	PASS
	HCH	25	<b>4 0</b>	4.4809	PASS

**Channel Bandwidth: 10 MHz** 

Channel Bandwidth: 10 MHz								
Modulation	Channel	RB Con	figuration	Occupied Bandwidth (MHz)	Verdict			
Modulation	Channel	Size	Offset	Occupied Bandwidth (MH2)	verdict			
C	LCH	50	0	8.9422	PASS			
QPSK	MCH	50	0 e	8.9317	PASS			
The Kill Compliance	HCH	50	0_ 0	8.9296	PASS			
Maria de la	LCH	50	0	8.9340	PASS			
16QAM	MCH	50	0	8.9266	PASS			
	HCH	50	0	8.9489	PASS			



Page 120 of 204

## **Channel Bandwidth: 15 MHz**

		CI	nannel Bandw	ridth: 15 MHz	
	Channal	RB Confi	guration	Occupied Bondwidth (MIII-)	Vordiet
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
C Arres	LCH	75	0	13.412	PASS
QPSK	MCH	75	0	13.395	PASS
	HCH	75	0	13.411	PASS
B Allestation of	LCH	75	0	13.406	PASS
16QAM	MCH	75	0	13.399	PASS
	HCH	75	0	13.434	PASS

## **Channel Bandwidth: 20 MHz**

			hannal Dandur	idth: 20 MHz	38K1 - CxC <sup>2</sup>
		<u> </u>	hannel Bandw	Idin: 20 MHZ	
Modulation	Channel	RB Confi	guration	Occupied Bandwidth (MHz)	Verdict
Modulation	Chame	Size	Offset	Occupied Baridwidth (MH2)	verdict
obat Cu	LCH	100	0	17.838	PASS
QPSK	MCH	100	0	17.824	PASS
lin:	HCH	100	IN 0	17.911	PASS
The Compliance	LCH	100	O O	17.848	PASS
16QAM	MCH	100	0	17.825	PASS
	HCH	100	0	17.893	PASS



Report No.: AGC01684180501FE07 Page 121 of 204

**Channel Bandwidth: 1.4 MHz** 

LTE Band 25

		С	hannel Bandwi	idth: 1.4 MHz	
Madulatian	Channal	RB Conf	iguration	Occurried Department (MILE)	\
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
	LCH	6	The O	1.0788	PASS
QPSK	MCH	6	O C	1.0780	PASS
	HCH	6	0	1.0838	PASS
- 6	LCH	6	0	1.0822	PASS
16QAM	MCH	6	0	1.0826	PASS
	HCH	6	<b>7</b> 0	1.0824	PASS

**Channel Bandwidth: 3 MHz** 

		(	Channel Bandv	vidth:3 MHz	
	05	RB Conf	iguration	On a complete de Description de la Contraction d	\/!: -4
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
100	LCH	15	0	2.6863	PASS
QPSK	MCH	15	0	2.6856	PASS
下 Karomplance	HCH	15	0_ 0_	2.6853	PASS
Mestation of Co.	LCH	15	0	2.6858	PASS
16QAM	MCH	15	0	2.6835	PASS
	HCH	15	0	2.6879	PASS

**Channel Bandwidth: 5 MHz** 

		C	Channel Bandv	vidth: 5 MHz	
Madulation	Charanal	RB Conf	iguration	Opening of Developing the (NALIE)	\/a ==d; a4
Modulation	Channel	Size	Offset	Occupied Bandwidth(MHz)	Verdict
of Global	LCH	25	0	4.4782	PASS
QPSK	MCH	25	0	4.4715	PASS
	HCH	25	O compliance	4.4864	PASS
The King	LCH	25	The station of Civil	4.4805	PASS
16QAM	MCH	25	0	4.4759	PASS
	HCH	25	0	4.4836	PASS

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



Page 122 of 204

#### **Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10 MHz								
	Channal	RB Confi	guration	Occupied Bandwidth (MIII-)	\/ordiot			
Modulation	Modulation Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict			
Alles	LCH	50	0	8.9249	PASS			
QPSK	MCH	50	0	8.9413	PASS			
The tompha	HCH	50	0	8.9332	PASS			
3 Attestation of C	LCH	50	0	8.9309	N/A			
16QAM	MCH	50	0	8.9280	N/A			
	HCH	50	0	8.9287	N/A			

## **Channel Bandwidth: 15 MHz**

		С	hannel Bandwid	dth: 15 MHz	
Modulation	Channal	RB Confi	iguration	Occupied Pandwidth (MUz)	Verdict
iviodulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	verdict
opal Co	LCH	75	0	13.397	PASS
QPSK	MCH	75	0	13.414	PASS
lin:	HCH	75	<b>1</b> 0	13.378	PASS
The Compliance	LCH	75	0_	13.412	N/A
16QAM	MCH	75	0	13.399	N/A
	HCH	75	0	13.388	N/A

#### Channel Bandwidth: 20 MHz

		(	Channel Bandwi	dth: 20 MHz	
	Channal	RB Con	figuration	Occupied Dandwidth (MIII-)	\/ I' /
Modulation	Channel	Size	Offset	Occupied Bandwidth (MHz)	Verdict
The Proposition of the Parket	LCH	100	0	17.871	PASS
QPSK	MCH	100	0	17.838	PASS
	HCH	100	0	17.808	PASS
	LCH	100	0	17.886	N/A
16QAM	MCH	100	0	17.837	N/A
® Attestation of the	HCH	100	0	17.808	N/A

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

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



Page 123 of 204

#### 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.

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



Report No.: AGC01684180501FE07 Page 124 of 204

ITF Band 2

**Channel Bandwidth: 1.4 MHz** 

		C	hannel Bandwi	dth: 1.4 MHz	
	Channal	RB Conf	iguration	26dB Bandwidth	Vandiat
Modulation	Channel	Size	Offset	(MHz)	Verdict
	LCH	6	Th. 0	1.222	PASS
QPSK	MCH	6	O ®	1.248	PASS
	HCH	6	0	1.268	PASS
16QAM	LCH	6	0	1.254	PASS
	MCH	6	0	1.231	PASS
	HCH	6	0	1.272	PASS

**Channel Bandwidth: 3 MHz** 

		С	hannel Bandw	ridth: 3 MHz	
Madulation	Chamal	RB Config	guration	OCAD Dandwidth (MILL)	\/a ==!: a4
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
a Ca Co	LCH	15	0	2.889	PASS
QPSK	MCH	15	<b>1</b> 0	2.884	PASS
EX Compliance	HCH	15	0	2.910	PASS
e) The station of Globa	LCH	15	0	2.892	PASS
16QAM	MCH	15	0	2.882	PASS
	HCH	15	O Januaria	2.905	PASS

**Channel Bandwidth: 5 MHz** 

		(	Channel Bandw	vidth: 5 MHz	
	Chamal	RB Conf	iguration	OCAD DonadovidAb (MILE)	Vondint
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
of Global	LCH	25	0	4.819	PASS
QPSK	MCH	25	0	4.829	PASS
	M HCH	25	O compliance	4.816	PASS
The total complete	LCH	25	0	4.813	PASS
16QAM	MCH	25	0	4.838	PASS
	HCH	25	<u> </u>	4.827	PASS

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



Page 125 of 204

## **Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10 MHz								
Modulation Channel	Channal	RB Confi	guration	26dD Dondwidth (MIII)	Vordiat			
	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict			
C Alles	LCH	50	0	9.447	PASS			
QPSK	MCH	50	Thomas O	9.483	PASS			
	HCH	50	O S	9.430	PASS			
3 Attestation of Co	LCH	50	0	9.446	PASS			
16QAM	MCH	50	0	9.448	PASS			
	HCH	50	0	9.383	PASS			

## **Channel Bandwidth: 15 MHz**

		CI	nannel Bandwid	dth: 15 MHz	
	Charanal	RB Confi	guration	OCAD Danaduriatta (MILLA)	\/a = di at
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
opal Co.	LCH	75	0	14.04	PASS
QPSK	MCH	75	0	14.09	PASS
III:	HCH	75	Th. 0	14.00	PASS
The Compliance	LCH	75	Juon o	14.02	PASS
16QAM	MCH	75	0	13.67	PASS
	HCH	75	0	14.10	PASS

## Channel Bandwidth: 20 MHz

101 1000 - 101	- 160	С	hannel Bandwi	dth: 20 MHz	
Manhalatina	05	RB Confi	iguration	OCAD Danakuiduk (MUL)	Manaliat
Modulation	Channel -	Size	Offset	26dB Bandwidth (MHz)	Verdict
The Compliance	LCH	100	0	18.67	PASS
QPSK	MCH	100	0	18.58	PASS
	HCH	100	0	18.65	PASS
16QAM	LCH	100	TO Samulano	18.69	PASS
	MCH _	100	0	18.54	PASS
® Attestation of Co.	HCH	100	0	18.67	PASS

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



Page 126 of 204

LTE Band 4

**Channel Bandwidth: 1.4 MHz** 

		С	hannel Bandwi	dth: 1.4 MHz	
Madulatian	Channal	RB Conf	iguration	OCAD Dan dividate (MILE)	\/o.wali.o.t
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	6	0	1.242	PASS
QPSK	MCH	6	0	1.291	PASS
	HCH	6	0	1.269	PASS
16QAM	LCH	6	0	1.278	PASS
	MCH	6	0	1.303	PASS
	HCH	<b>4</b> 6	0	1.269	PASS

**Channel Bandwidth: 3 MHz** 

		С	hannel Bandw	ridth: 3 MHz	
Madulatian	Chamal	RB Config	guration	OCAD Dandwidth (MILL)	\/a mali a t
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
60 m	LCH	15	0	2.889	PASS
QPSK	MCH	15	<b>1</b> 0	2.935	PASS
The Compliance	HCH	15	nion of Co.	2.909	PASS
The station of Clobs	LCH	15	0	2.896	PASS
16QAM	MCH	15	0	2.899	PASS
	HCH	15	OF The coord	2.902	PASS

**Channel Bandwidth: 5 MHz** 

Channel Bandwidth: 5 MHz								
	Chanal	RB Con	figuration	OCAD Danadouidate (MILE)	\/a = di at			
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict			
FT Compilar	LCH	25	0	4.785	PASS			
QPSK	MCH	25	0	4.793	PASS			
	HCH	25	0	4.838	PASS			
極	LCH	25	0	4.808	PASS			
16QAM	MCH	25_	0	4.843	PASS			
Allestation	HCH	25	0	4.808	PASS			

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



Page 127 of 204

## **Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10 MHz								
	Channal	RB Confi	guration	OCAD Domahuidah (MILE)	\			
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict			
CG Alles	LCH	50	0	9.472	PASS			
QPSK	MCH	50	The Color O	9.549	PASS			
	HCH	50	O R	9.478	PASS			
3 Attestation of Co	LCH	50	0	9.502	PASS			
16QAM	MCH	50	0	9.515	PASS			
	HCH	50	0	9.407	PASS			

## **Channel Bandwidth: 15 MHz**

		С	hannel Bandwid	lth: 15 MHz	
Modulation	Channal	RB Confi	iguration	26dP Pandwidth (MU=)	Verdict
Wodulation	Channel	Size	Offset	26dB Bandwidth (MHz)	verdict
Copyright (Co	LCH	75	0	14.130	PASS
QPSK	MCH	75	0	14.120	PASS
100	HCH	75	w 0	13.990	PASS
The Compliance	LCH	75	0	14.080	PASS
16QAM	MCH	75	0	14.090	PASS
	HCH	75	0	14.030	PASS

## Channel Bandwidth: 20 MHz

		C	Channel Bandwi	dth: 20 MHz	
	Chamal	RB Conf	figuration	OCAD Danadividable (MILE)	V
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
K Compliance	LCH	100	0 0	18.590	PASS
QPSK	MCH	100	0	18.690	PASS
	HCH	100	0	18.710	PASS
	LCH	100	0	18.630	PASS
16QAM	MCH	100	0	18.640	PASS
® Attestation of Co.	HCH	100	0	18.620	PASS

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



Report No.: AGC01684180501FE07 Page 128 of 204

TE D. . . . . .

**Channel Bandwidth: 1.4 MHz** 

		Ch	annel Bandwi	dth: 1.4 MHz	
	Channal	RB Confi	guration	OCAD Dandwidth (MILE)	\
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	6	The Opinion	1.235	PASS
QPSK	MCH	6	Jarion O ®	1.228	PASS
The station of Glov	HCH	6	0	1.245	PASS
- 6	LCH	6	0	1.258	PASS
16QAM	MCH	6	0	1.226	PASS
#	HCH	6	# 1000	1.223	PASS

**Channel Bandwidth: 3 MHz** 

		C	Channel Bandw	vidth: 3 MHz	
M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Channal	RB Confi	guration	26dD Dondwidth (MLI=)	Vardiet
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
CO F	LCH	15	0	2.895	PASS
QPSK	MCH	15	<b>1</b> 0	2.894	PASS
The Compliance	HCH	15	numar O	2.892	PASS
The station of Clobs	LCH	15	0	2.900	PASS
16QAM	MCH	15	0	2.905	PASS
	HCH	15	O Should	2.882	PASS

**Channel Bandwidth: 5 MHz** 

		(	Channel Bandw	vidth: 5MHz	
Madulation	Channal	RB Conf	iguration	OCAD Day divides (MILE)	\/a mali a t
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
of Global	LCH	25	0	4.813	PASS
QPSK	MCH	25	0	4.825	PASS
	HCH	25	5/1 O	4.793	PASS
The Marcomot	LCH	25	The state of the Control of the Cont	4.841	PASS
16QAM	MCH	25	0	4.787	PASS
	HCH	25	<u> </u>	4.777	PASS

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



Page 129 of 204

#### **Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10MHz								
	Channal	RB Confi	guration	26dD Dondwidth (MLI=)	Vordict			
Modulation	Channel	Size	Offset	- 26dB Bandwidth (MHz)	Verdict			
C Alles	LCH	50	0	9.502	PASS			
QPSK	MCH	50	Thomas O	9.526	PASS			
The Complian	HCH	50	O S	9.365	PASS			
8) Allestation of Co	LCH	50	0	9.397	PASS			
16QAM	MCH	50	0	9.487	PASS			
	HCH	50	0	9.322	PASS			



Report No.: AGC01684180501FE07 Page 130 of 204

LTE Band 7

**Channel Bandwidth: 5 MHz** 

			Channel Bandw	vidth: 5MHz	
	Channel	RB Con	figuration	OCAD Dan dividate (MILE)	\
Modulation	ulation Channel Size Offset 26dB Bandwidth (MHz)	260B Bandwidth (IVIHZ)	Verdict		
	LCH	25	0	4.813	PASS
QPSK	MCH	25	0	4.828	PASS
	HCH	25	0	4.818	PASS
- G	LCH	25	0	4.807	PASS
16QAM	MCH	25	0	4.823	PASS
	HCH	25	<b>3</b> 0	4.825	PASS

**Channel Bandwidth: 10 MHz** 

		С	hannel Bandw	idth: 10MHz	
Madulatian	Channal	RB Confi	guration	OCAD Date dividable (MILLE)	\/a valiat
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
GO	LCH	50	0	9.477	PASS
QPSK	MCH	50	The O	9.488	PASS
The Compilaries	HCH	50	O O	9.472	PASS
Attestation of Co.	LCH	50	0	9.494	PASS
16QAM	MCH	50	0	9.457	PASS
	HCH	50	OF of Global C	9.519	PASS

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



Page 131 of 204

## **Channel Bandwidth: 15 MHz**

		C	hannel Bandw	idth: 15MHz	
	Channal	RB Confi	guration	OCAD Domahuidah (MILE)	\
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
CG Alles	LCH	75	0	14.00	PASS
QPSK	MCH	75	0	14.13	PASS
	HCH	75	0	14.13	PASS
3 Allestation of C	LCH	75	0	14.02	PASS
16QAM	MCH	75	0	14.07	PASS
	HCH	75	0	14.05	PASS

## **Channel Bandwidth: 20 MHz**

		C	hannel Bandwi	dth: 20MHz	
	Channel	RB Confi	guration	26dP Pandwidth (MUz)	\/ P .
Modulation	Charmer	Size	Offset	26dB Bandwidth (MHz)	Verdict
(B) Marianton	LCH	100	0	18.60	PASS
QPSK	MCH	100	0	18.62	PASS
lin:	HCH	100	0	18.64	PASS
The Compliance	LCH	100	ation of	18.62	PASS
16QAM	MCH	100	0	18.55	PASS
	HCH	100	0	18.79	PASS



Page 132 of 204

LTE Band 25

**Channel Bandwidth: 1.4 MHz** 

		C	Channel Bandwi	dth: 1.4MHz	
	Channal	RB Conf	iguration	OCAD Dandwidth (MILE)	\
Modulation	Channel	Size	Offset	26dB Bandwidth (MHz)	Verdict
	LCH	6	J. 0	1.242	PASS
QPSK	MCH	6	0	1.226	PASS
	HCH	6	0	1.422	PASS
. 6	LCH	6	0	1.264	PASS
16QAM	MCH	6	0	1.242	PASS
	HCH	- Th. 6	0	1.309	PASS

**Channel Bandwidth: 3 MHz** 

		(	Channel Bandw	vidth: 3MHz	
Modulation	Channel	RB Configuration		00 10 0 1 1 1 1 (1411)	Mari Pari
		Size	Offset	26dB Bandwidth (MHz)	Verdict
100	LCH	15	0	2.899	PASS
QPSK	MCH	15	0	2.902	PASS
	HCH	15	0	2.929	PASS
16QAM	LCH	15	0	2.886	PASS
	MCH	15	0	2.901	PASS
	HCH	15	® O con of closed C	2.937	PASS

**Channel Bandwidth: 5 MHz** 

		(	Channel Bandw	vidth: 5MHz	
Modulation	Channel	RB Configuration		OC-ID David width (MILE)	\/a mali a t
		Size	Offset	26dB Bandwidth (MHz)	Verdict
· C	LCH	25	0	4.843	PASS
QPSK	MCH	25	0	4.836	PASS
	HCH	25	0	4.842	PASS
(8) The standard Comment	LCH	25	Amostanos 0	4.795	PASS
16QAM	MCH	25	0	4.835	PASS
	HCH	25	<b>1</b> 0	4.860	PASS



Page 133 of 204

#### **Channel Bandwidth: 10 MHz**

		С	hannel Bandw	idth: 10MHz	
Modulation	Channel	RB Configuration		OCALD Date desirable (MILLE)	Manali at
		Size	Offset	- 26dB Bandwidth (MHz)	Verdict
C Alles	LCH	50	0	9.439	PASS
QPSK	MCH	50	Thomas O	9.470	PASS
	HCH	50	O S	9.454	PASS
16QAM	LCH	50	0	9.422	PASS
	MCH	50	0	9.446	PASS
	HCH	50	0	9.427	PASS

## **Channel Bandwidth: 15 MHz**

		C	hannel Bandwid	dth: 15MHz	
Modulation	Channel	RB Configuration		OCAD Danaduciatio (MIII-)	\/audiat
		Size	Offset	- 26dB Bandwidth (MHz)	Verdict
obal Co	LCH	75	0	14.110	PASS
QPSK	MCH	75	0	14.030	PASS
	HCH	75	w 0	13.980	PASS
16QAM	LCH	75	0	14.090	PASS
	MCH	75	0	14.030	PASS
	HCH	75	0	14.070	PASS

## Channel Bandwidth: 20 MHz

		(	Channel Bandwi	dth: 20MHz	
Modulation	Channel	RB Configuration			Manaliat
		Size	Offset	26dB Bandwidth (MHz)	Verdict
K Compliance	LCH	100	0 0	18.620	PASS
QPSK	MCH	100	0	18.590	PASS
	HCH	100	0	18.560	PASS
	LCH	100	1 O	18.610	PASS
16QAM	MCH	100	O O	18.580	PASS
® Attestation of G	HCH	100	0	18.540	PASS

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



Page 134 of 204

#### 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.

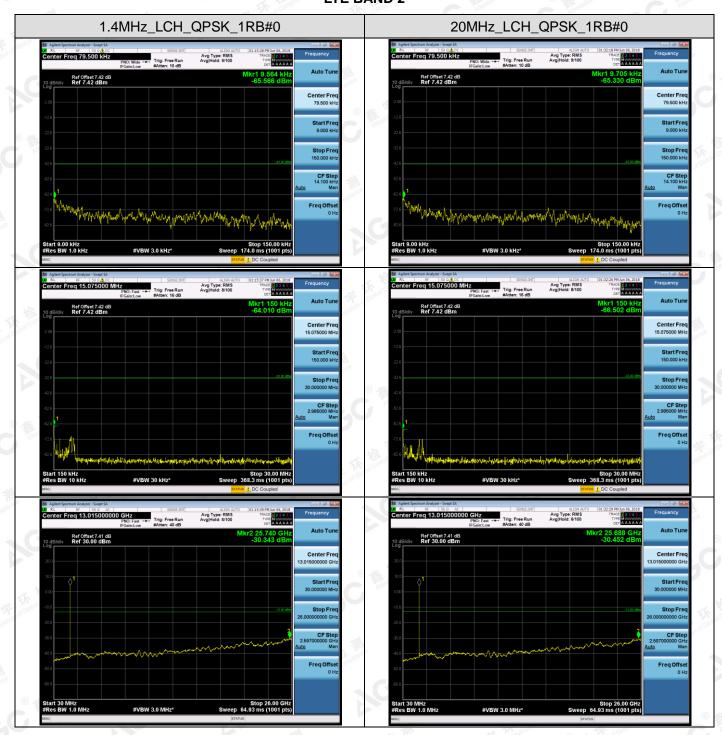
Please refers to Appendix C for compliance test plots for band edge

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

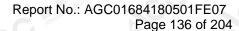


Page 135 of 204

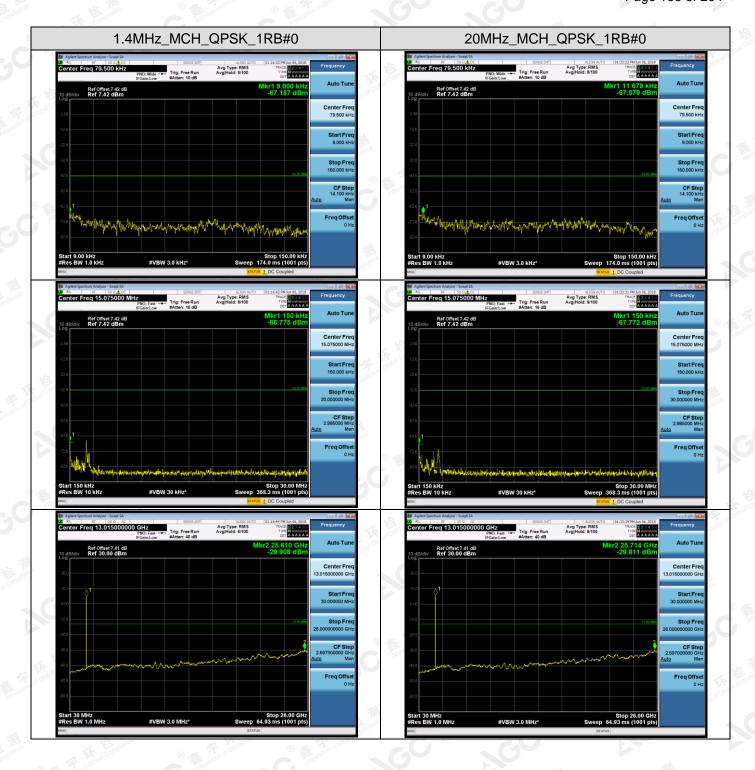
# APPENDIX A TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 2



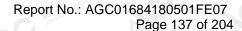
The results spowed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 40°C, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.ago.go.tt.com.



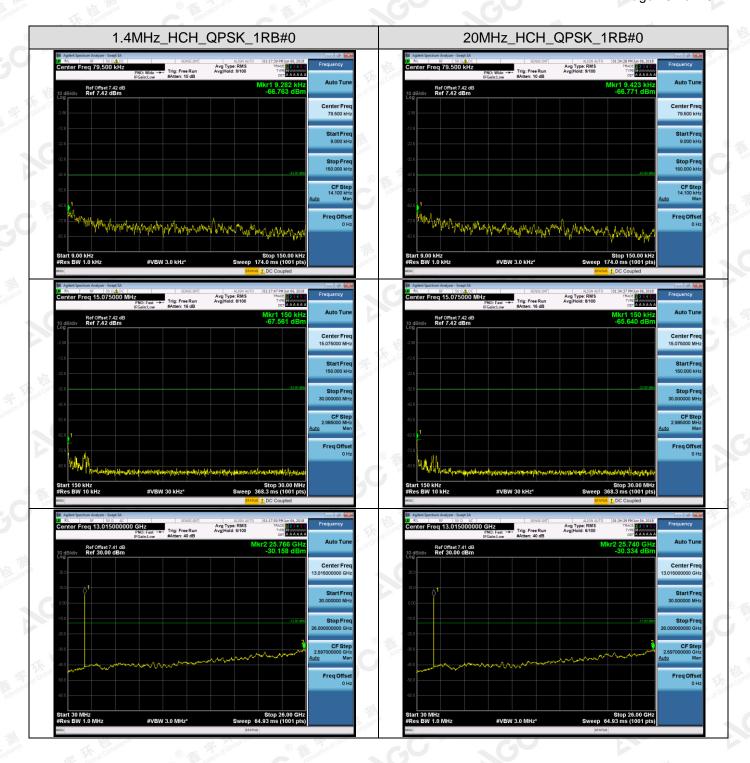




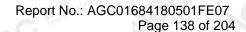
The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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





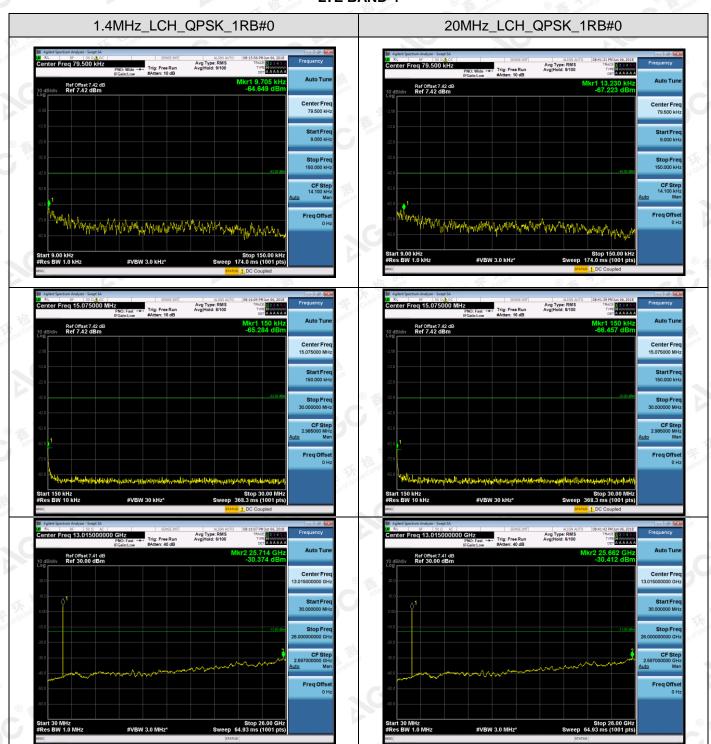


The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

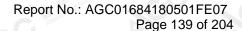




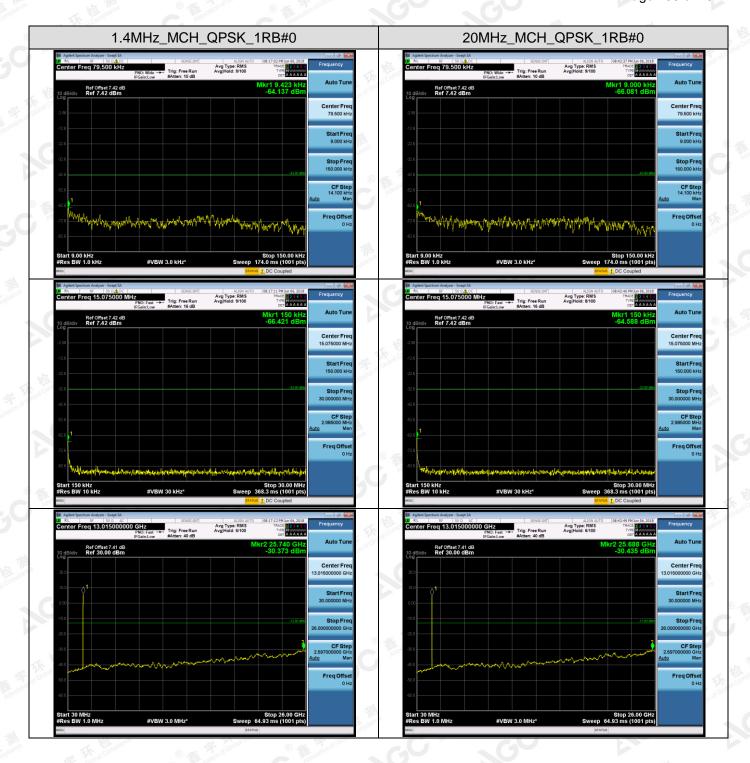
## TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 4



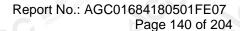
The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



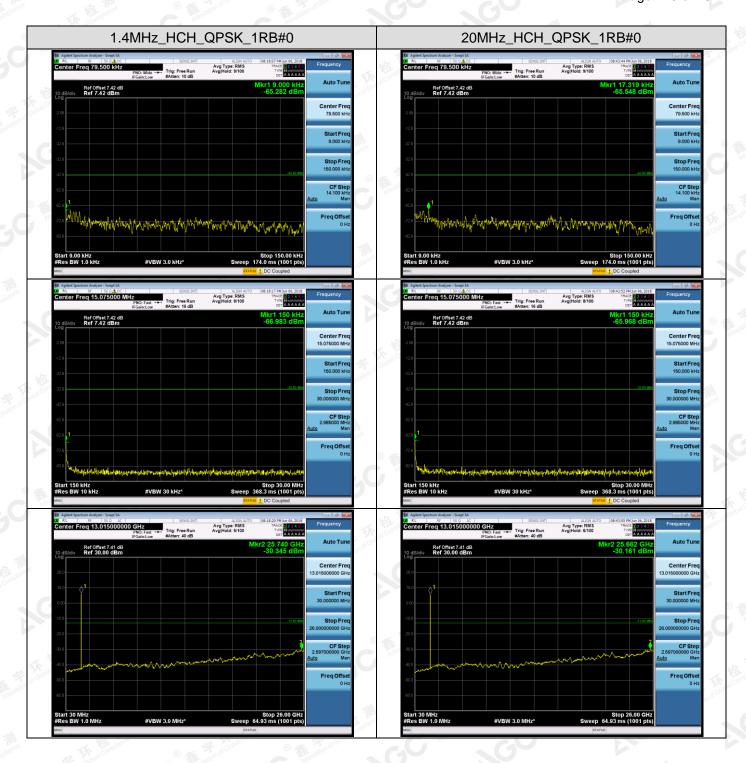




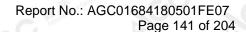
The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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





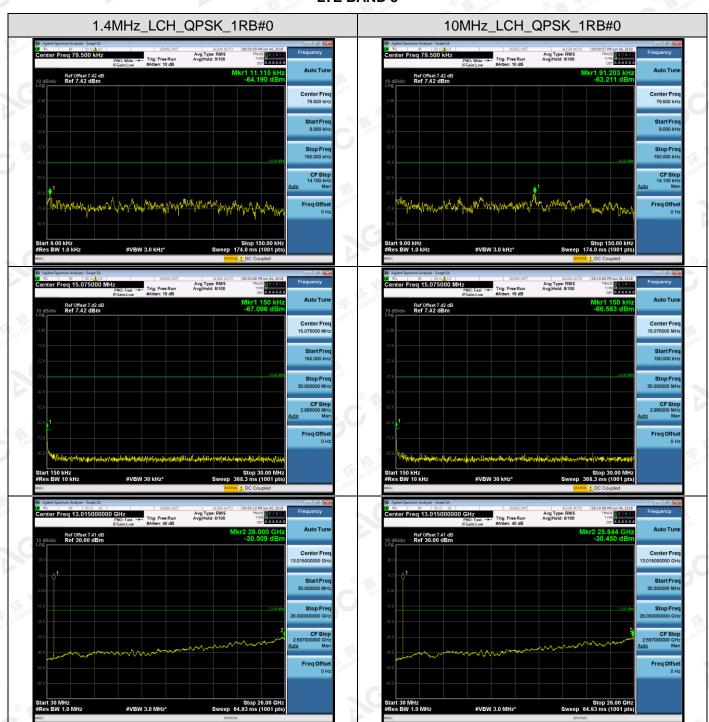


The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

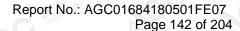




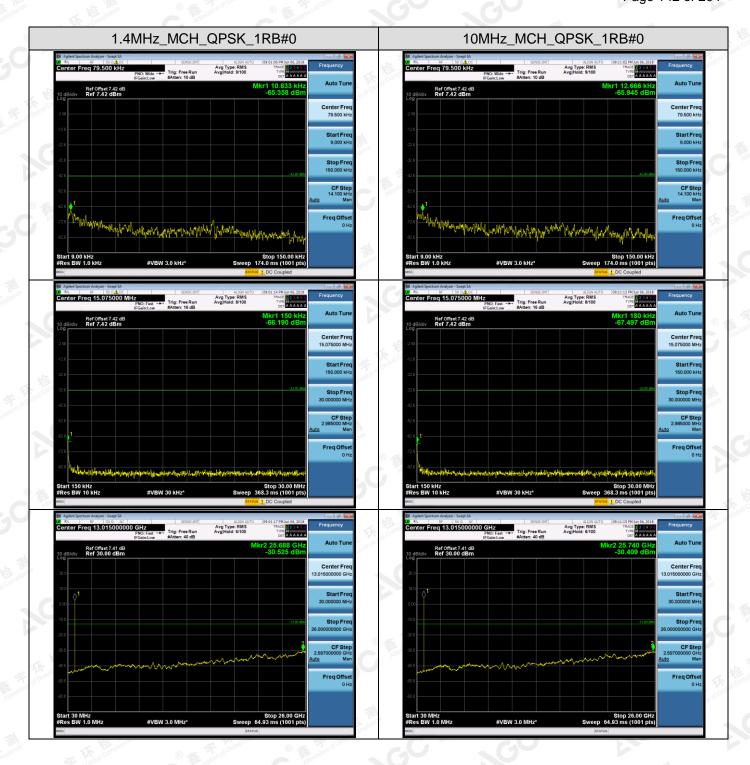
## TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION LTE BAND 5



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







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