



Appendix for test report

1 Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
BAND17	LTE/TM1	5	LCH	RB1#0	22.49	21.49	34.7	PASS
				RB1#13	22.62	21.62	34.7	PASS
				RB1#24	22.53	21.53	34.7	PASS
				RB12#0	21.51	20.51	34.7	PASS
				RB12#6	21.55	20.55	34.7	PASS
				RB12#13	21.56	20.56	34.7	PASS
			MCH	RB25#0	21.47	20.47	34.7	PASS
				RB1#0	22.49	21.49	34.7	PASS
				RB1#13	22.53	21.53	34.7	PASS
				RB1#24	22.59	21.59	34.7	PASS
				RB12#0	21.49	20.49	34.7	PASS
				RB12#6	21.55	20.55	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.67	20.67	34.7	PASS
				RB25#0	21.57	20.57	34.7	PASS
			HCH	RB1#0	22.65	21.65	34.7	PASS
				RB1#13	22.72	21.72	34.7	PASS
				RB1#24	22.75	21.75	34.7	PASS
				RB12#0	21.69	20.69	34.7	PASS
				RB12#6	21.75	20.75	34.7	PASS
				RB12#13	21.75	20.75	34.7	PASS
			LCH	RB25#0	21.65	20.65	34.7	PASS
				RB1#0	22.26	21.26	34.7	PASS
				RB1#25	22.66	21.66	34.7	PASS
				RB1#49	22.57	21.57	34.7	PASS
				RB25#0	21.52	20.52	34.7	PASS
				RB25#13	21.56	20.56	34.7	PASS
		10		RB25#25	21.64	20.64	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.57	20.57	34.7	PASS
			MCH	RB1#0	22.38	21.38	34.7	PASS
				RB1#25	22.62	21.62	34.7	PASS
				RB1#49	22.65	21.65	34.7	PASS
				RB25#0	21.43	20.43	34.7	PASS
				RB25#13	21.55	20.55	34.7	PASS
				RB25#25	21.64	20.64	34.7	PASS
				RB50#0	21.58	20.58	34.7	PASS
				HCH	RB1#0	22.32	21.32	34.7
			RB1#25		22.77	21.77	34.7	PASS
			RB1#49		22.57	21.57	34.7	PASS
			RB25#0		21.5	20.5	34.7	PASS
			RB25#13		21.64	20.64	34.7	PASS
			RB25#25		21.7	20.7	34.7	PASS
			RB50#0		21.57	20.57	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
	LTE/TM2	5	LCH	RB1#0	21.63	20.63	34.7	PASS
				RB1#13	21.85	20.85	34.7	PASS
				RB1#24	21.83	20.83	34.7	PASS
				RB12#0	20.4	19.4	34.7	PASS
				RB12#6	20.52	19.52	34.7	PASS
				RB12#13	20.46	19.46	34.7	PASS
				RB25#0	20.48	19.48	34.7	PASS
			MCH	RB1#0	21.61	20.61	34.7	PASS
				RB1#13	21.68	20.68	34.7	PASS
				RB1#24	21.85	20.85	34.7	PASS
				RB12#0	20.43	19.43	34.7	PASS
				RB12#6	20.49	19.49	34.7	PASS
				RB12#13	20.6	19.6	34.7	PASS
			HCH	RB25#0	20.5	19.5	34.7	PASS
				RB1#0	22.33	21.33	34.7	PASS
			HCH	RB1#13	22.41	21.41	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#24	22.36	21.36	34.7	PASS
				RB12#0	20.74	19.74	34.7	PASS
				RB12#6	20.83	19.83	34.7	PASS
				RB12#13	20.87	19.87	34.7	PASS
				RB25#0	20.72	19.72	34.7	PASS
		10	LCH	RB1#0	21.51	20.51	34.7	PASS
				RB1#25	21.78	20.78	34.7	PASS
				RB1#49	21.73	20.73	34.7	PASS
				RB25#0	20.5	19.5	34.7	PASS
				RB25#13	20.52	19.52	34.7	PASS
				RB25#25	20.54	19.54	34.7	PASS
				RB50#0	20.54	19.54	34.7	PASS
		MCH	RB1#0	21.32	20.32	34.7	PASS	
			RB1#25	21.66	20.66	34.7	PASS	
			RB1#49	21.7	20.7	34.7	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.43	19.43	34.7	PASS
				RB25#13	20.54	19.54	34.7	PASS
				RB25#25	20.59	19.59	34.7	PASS
				RB50#0	20.49	19.49	34.7	PASS
			HCH	RB1#0	21.62	20.62	34.7	PASS
				RB1#25	21.99	20.99	34.7	PASS
				RB1#49	21.91	20.91	34.7	PASS
				RB25#0	20.54	19.54	34.7	PASS
				RB25#13	20.65	19.65	34.7	PASS
				RB25#25	20.71	19.71	34.7	PASS
				RB50#0	20.51	19.51	34.7	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP = Signal Generator Level



Note2:

SET Span = 1.5 * OBW

SET RBW = 1% of the OBW, not to exceed 1MHz

SET VBW \geq 3 * RBW

SET Sweep time = auto - couple.

Detector: RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND17	LTE/TM1	5	LCH	RB1#0	4.92	13	PASS
				RB1#13	4.92	13	PASS
				RB1#24	5.09	13	PASS
				RB12#0	5.65	13	PASS
				RB12#6	5.67	13	PASS
				RB12#13	5.7	13	PASS
				RB25#0	5.86	13	PASS
			MCH	RB1#0	4.73	13	PASS
				RB1#13	4.86	13	PASS
				RB1#24	4.67	13	PASS
				RB12#0	5.78	13	PASS
				RB12#6	5.69	13	PASS
				RB12#13	5.62	13	PASS
				RB25#0	6.04	13	PASS
		HCH	RB1#0	5.01	13	PASS	
			RB1#13	4.45	13	PASS	
			RB1#24	4.42	13	PASS	
			RB12#0	5.47	13	PASS	
			RB12#6	5.26	13	PASS	
			RB12#13	5.34	13	PASS	
			RB25#0	5.58	13	PASS	
		10	LCH	RB1#0	4.94	13	PASS
				RB1#25	4.97	13	PASS
				RB1#49	4.67	13	PASS
				RB25#0	6.09	13	PASS
				RB25#13	5.93	13	PASS
				RB25#25	5.86	13	PASS
				RB50#0	6.18	13	PASS
MCH	RB1#0		4.8	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict			
				RB1#25	4.64	13	PASS			
				RB1#49	4.47	13	PASS			
				RB25#0	5.82	13	PASS			
				RB25#13	5.72	13	PASS			
				RB25#25	5.64	13	PASS			
				RB50#0	6.08	13	PASS			
			HCH	RB1#0	4.82	13	PASS			
				RB1#25	4.93	13	PASS			
				RB1#49	4.48	13	PASS			
				RB25#0	6.03	13	PASS			
				RB25#13	5.75	13	PASS			
				RB25#25	5.67	13	PASS			
					5	LCH	RB1#0	5.57	13	PASS
							RB1#13	5.6	13	PASS
	RB1#24	5.62					13	PASS		
	RB12#0	6.26					13	PASS		
	RB12#6	6.2					13	PASS		
	RB12#13	6.31					13	PASS		
	MCH	RB25#0				6.41	13	PASS		
		RB1#0				5.78	13	PASS		
		RB1#13				5.34	13	PASS		
		RB1#24				5.07	13	PASS		
		RB12#0				6.58	13	PASS		
		RB12#6				6.44	13	PASS		
	HCH	RB12#13				6.43	13	PASS		
		RB25#0				6.27	13	PASS		
		RB1#0				5.48	13	PASS		
		RB1#13				4.83	13	PASS		
		RB1#24				4.79	13	PASS		
		RB12#0				6.09	13	PASS		
			10	LCH	RB12#6	5.77	13	PASS		
					RB12#13	5.84	13	PASS		
RB25#0					6.28	13	PASS			
RB1#0					5.39	13	PASS			
				RB1#25	5.39	13	PASS			
				RB1#49	5.36	13	PASS			
				RB25#0	6.34	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	6.29	13	PASS
				RB25#25	6.19	13	PASS
				RB50#0	6.65	13	PASS
			MCH	RB1#0	5.36	13	PASS
				RB1#25	5.27	13	PASS
				RB1#49	5.23	13	PASS
				RB25#0	6.56	13	PASS
				RB25#13	6.39	13	PASS
				RB25#25	6.25	13	PASS
			HCH	RB50#0	6.45	13	PASS
				RB1#0	5.47	13	PASS
				RB1#25	5.3	13	PASS
				RB1#49	5.03	13	PASS
				RB25#0	6.36	13	PASS
			RB25#13	6.08	13	PASS	
			RB25#25	5.99	13	PASS	
			RB50#0	6.44	13	PASS	



3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = BAND17

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

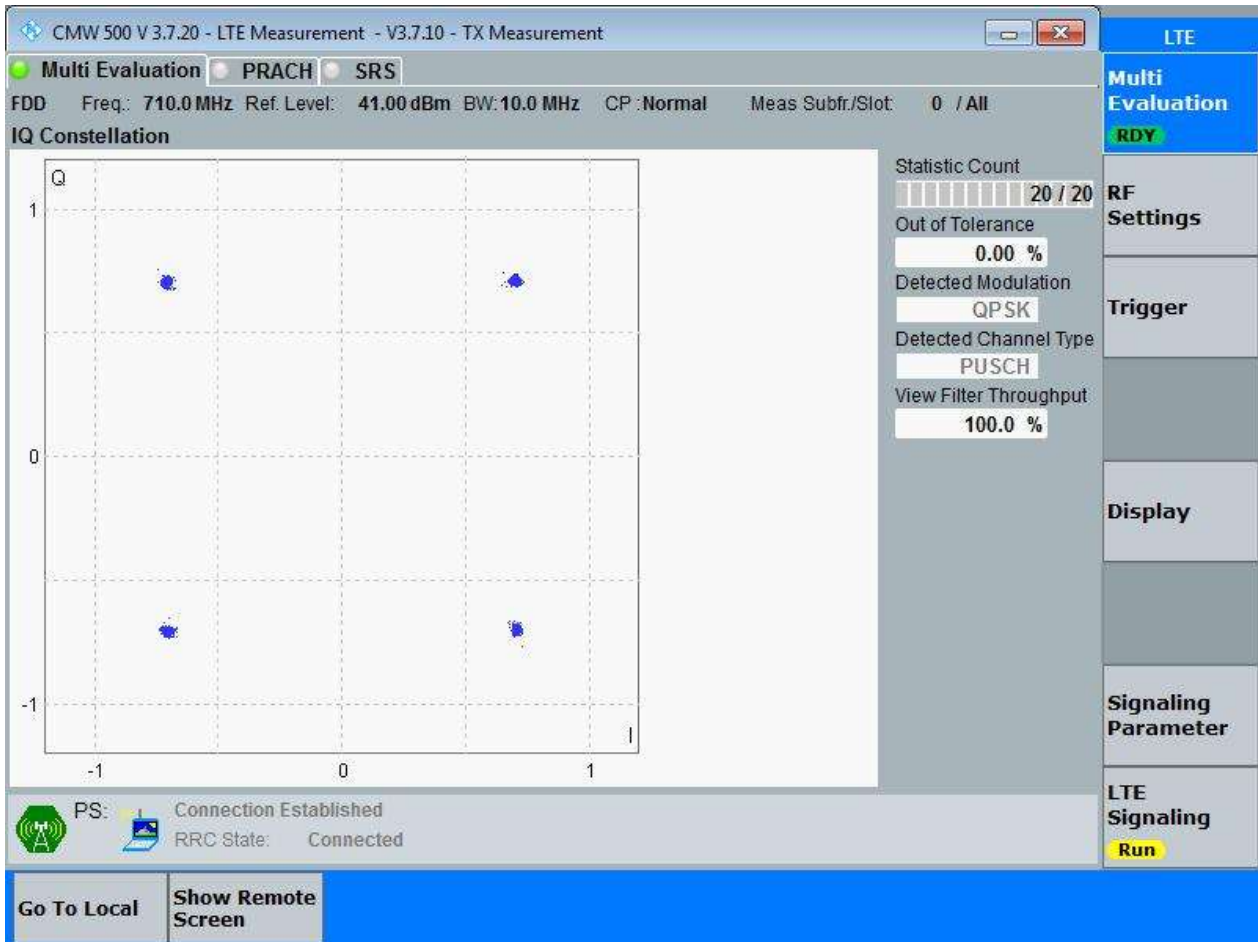
3.1.1.1.1.1 Test Channel = MCH

3.1.1.1.1.1.1 Test RB = RB25#0

3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB50#0

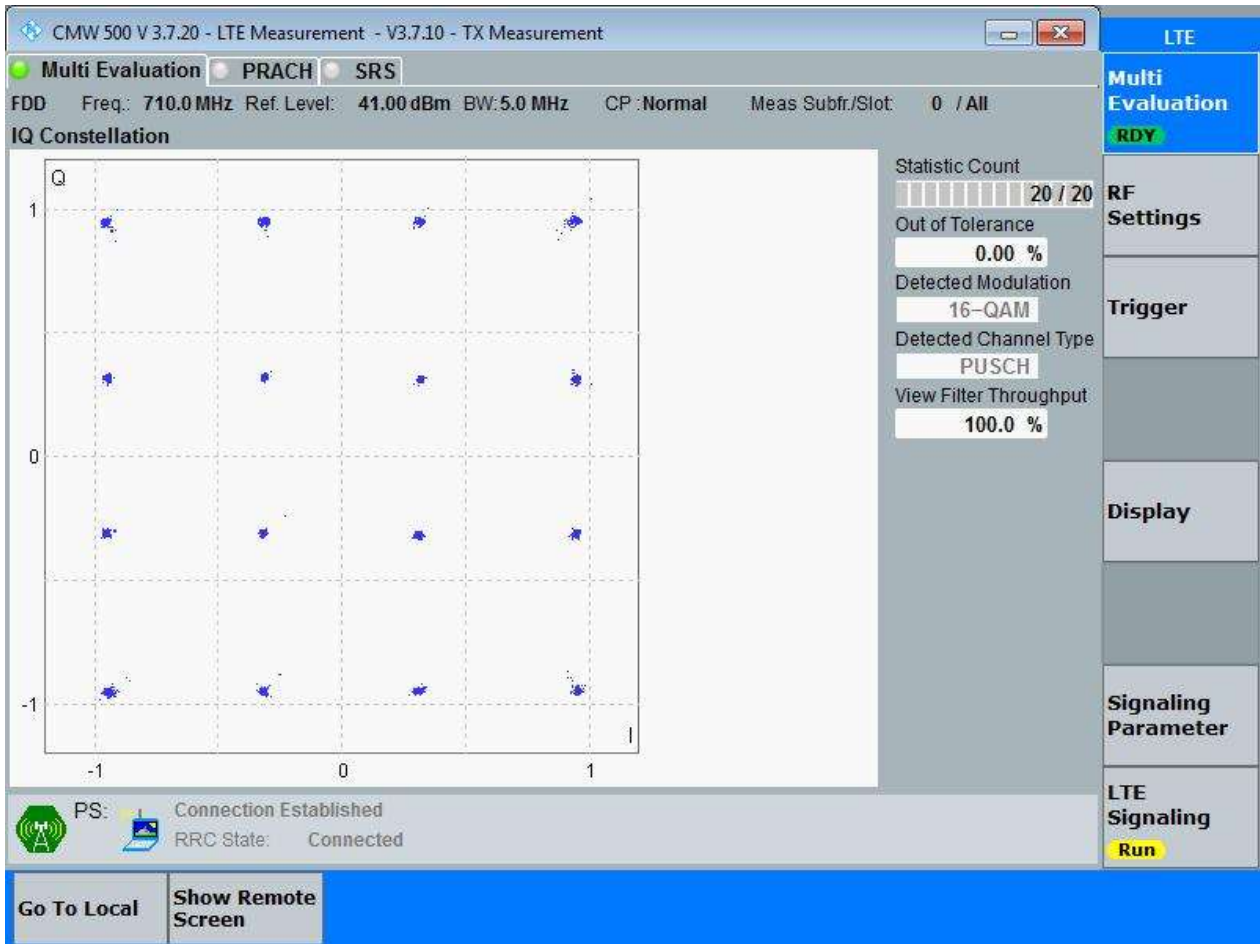


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

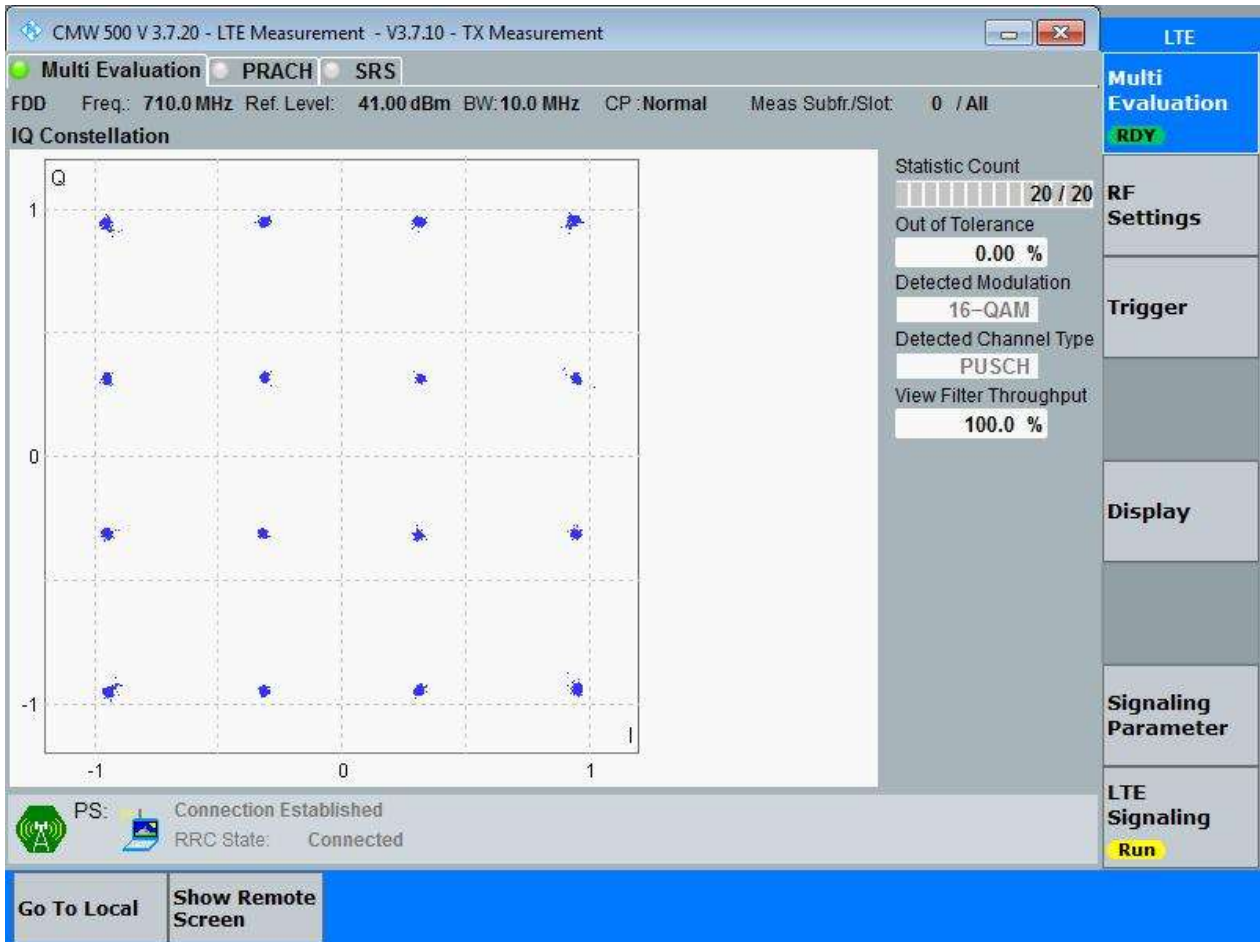
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB50#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND17	LTE/TM1	5	LCH	RB25#0	4.51	4.96	Pass
			MCH	RB25#0	4.52	4.97	Pass
			HCH	RB25#0	4.51	4.95	Pass
		10	LCH	RB50#0	8.99	9.92	Pass
			MCH	RB50#0	8.98	9.88	Pass
			HCH	RB50#0	8.99	9.90	Pass
	LTE/TM2	5	LCH	RB25#0	4.52	4.97	Pass
			MCH	RB25#0	4.53	4.97	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	9.01	9.92	Pass
			MCH	RB50#0	8.99	9.92	Pass
			HCH	RB50#0	8.99	9.91	Pass

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND17

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

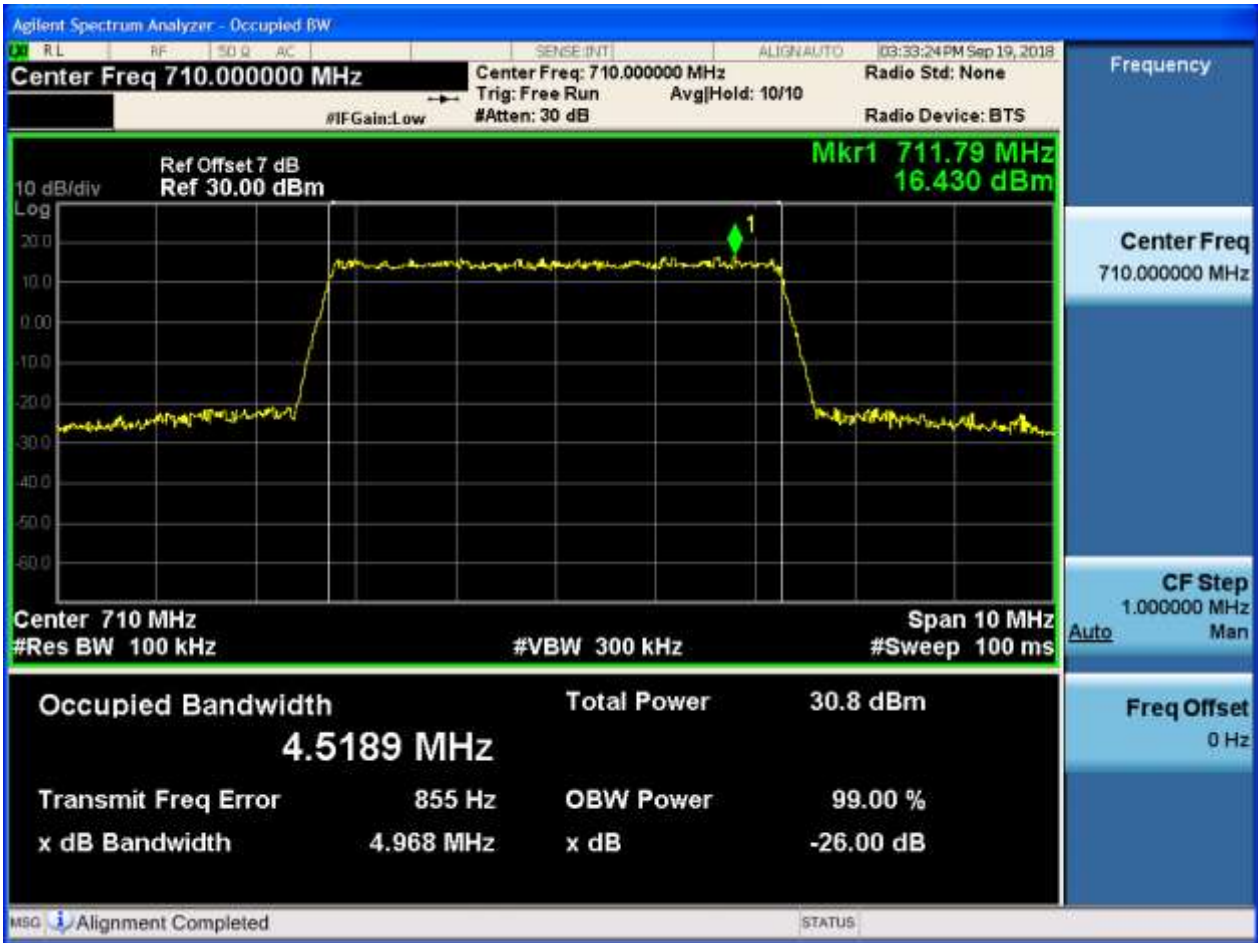
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB25#0



4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0



4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB50#0



4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0

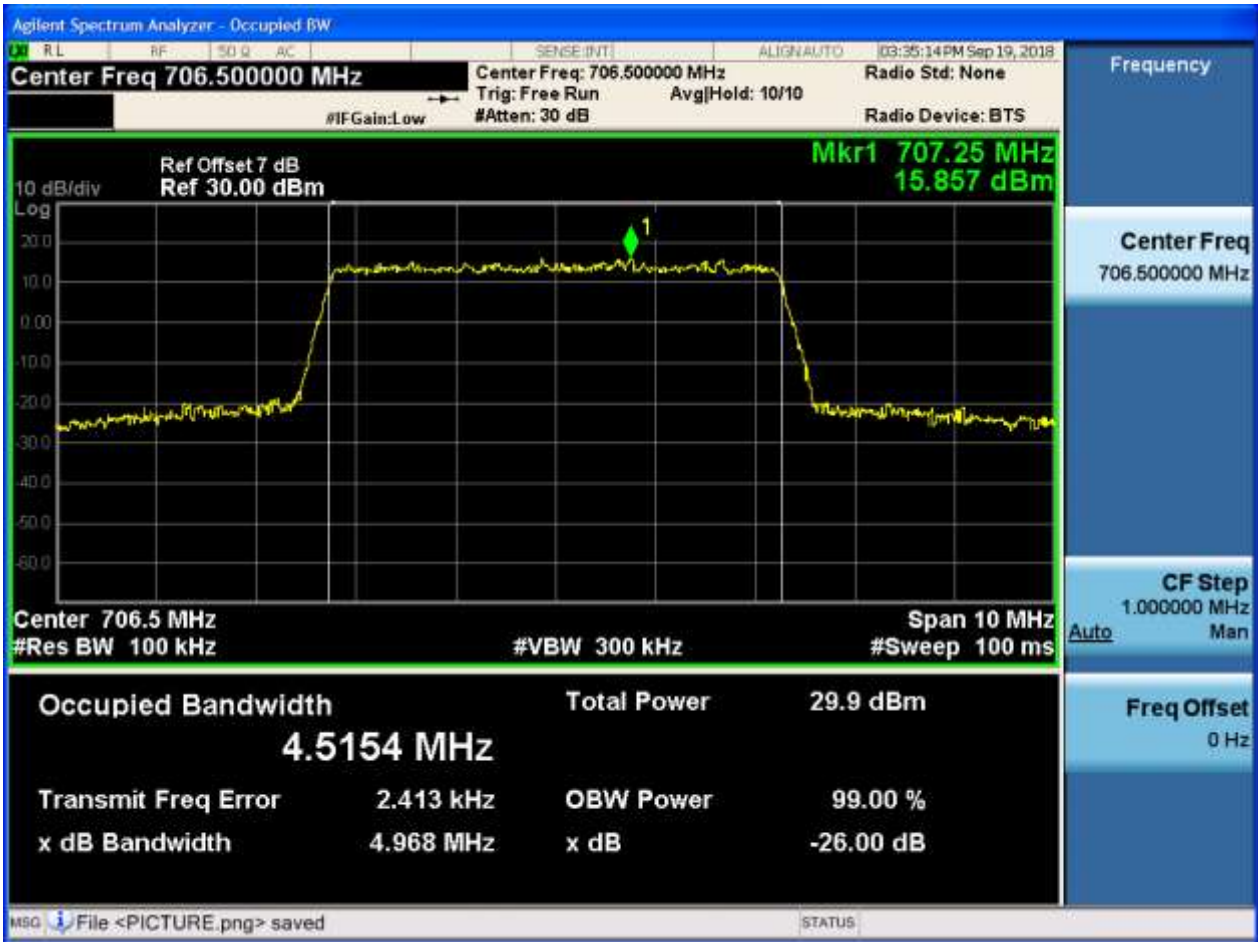


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB25#0



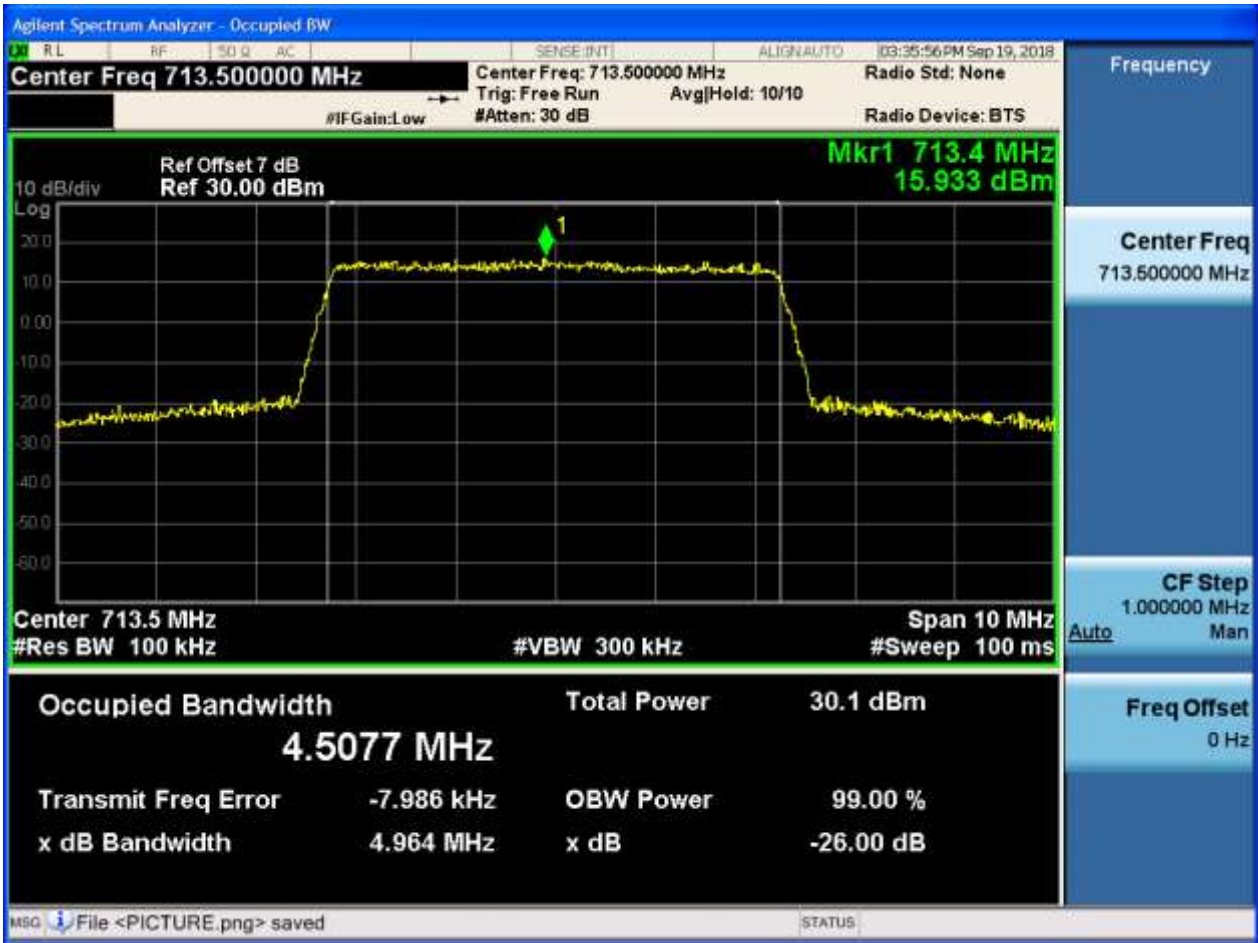
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB25#0



4.1.1.2.1.3 Test Channel = HCH

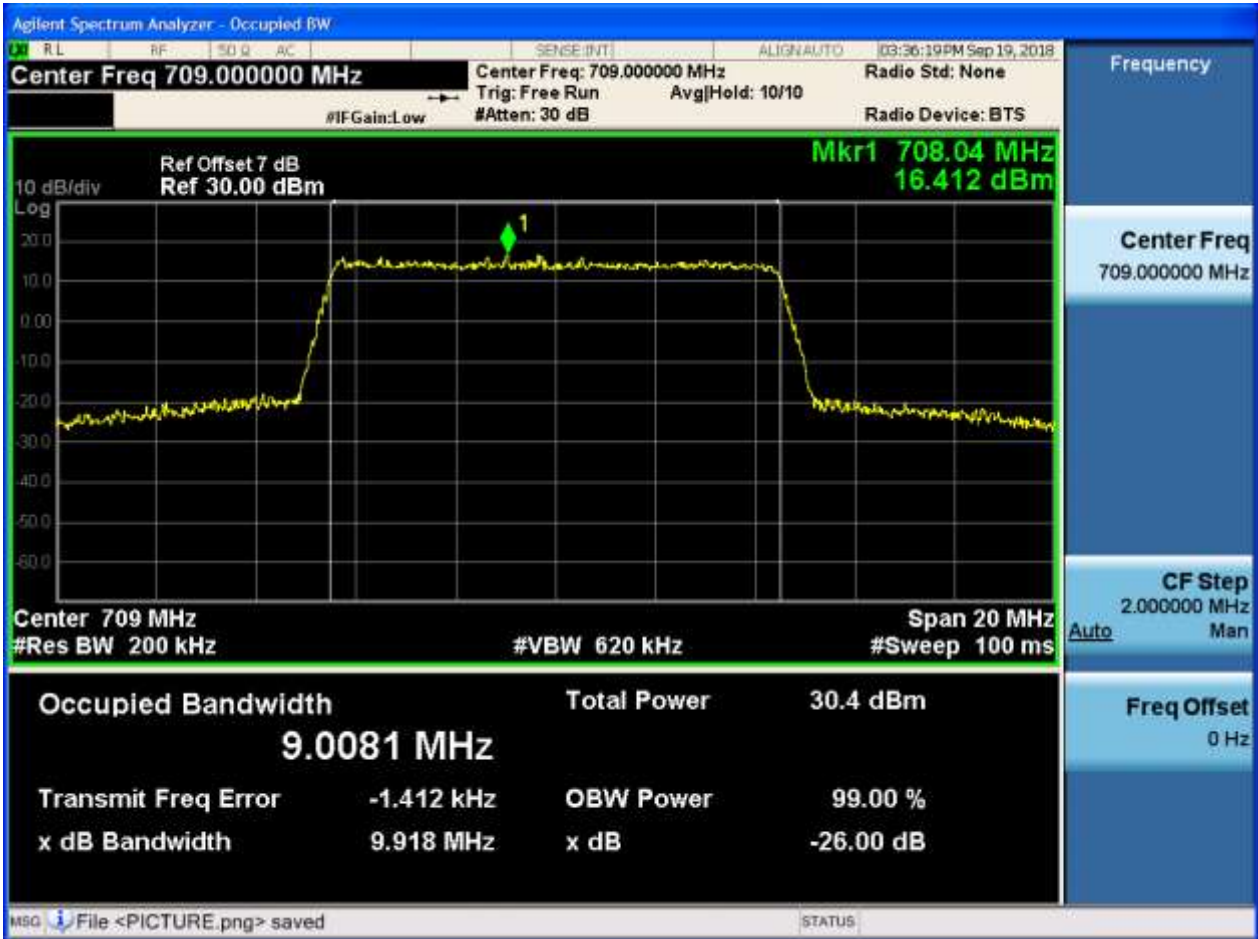
4.1.1.2.1.3.1 Test RB = RB25#0



4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0



4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB50#0



4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24





5.1.1.1.1.3 Test RB = RB12#6





5.1.1.1.1.4 Test RB = RB25#0





5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#24





5.1.1.1.2.3 Test RB = RB12#6





5.1.1.1.2.4 Test RB = RB25#0



5.1.1.1.2 Test Bandwidth = 10

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



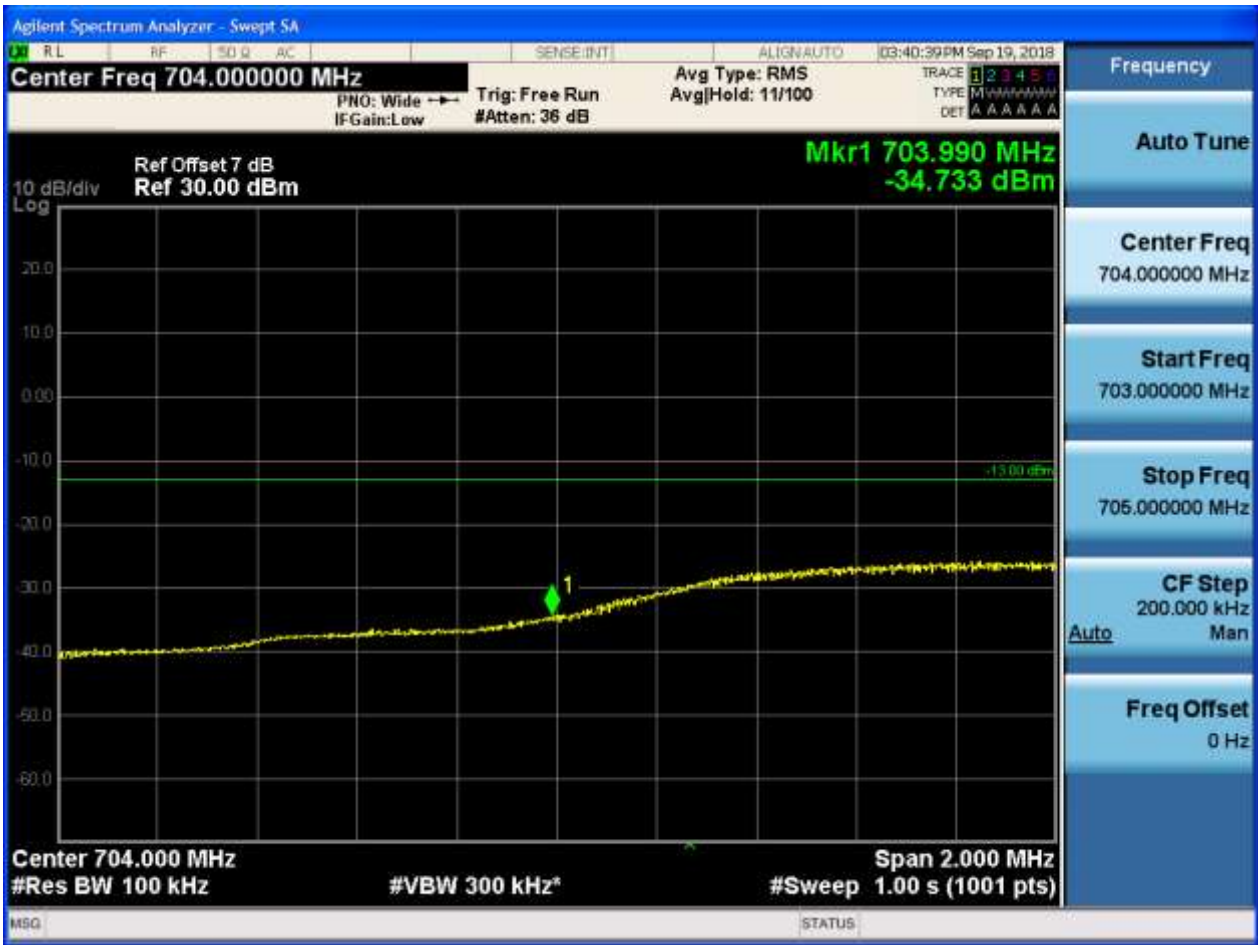


5.1.1.1.2.1.2 Test RB = RB1#49





5.1.1.1.2.1.3 Test RB = RB25#13





5.1.1.1.2.1.4 Test RB = RB50#0





5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0





5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6





5.1.1.2.1.1.4 Test RB = RB25#0





5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0



5.1.1.2.2 Test Bandwidth = 10

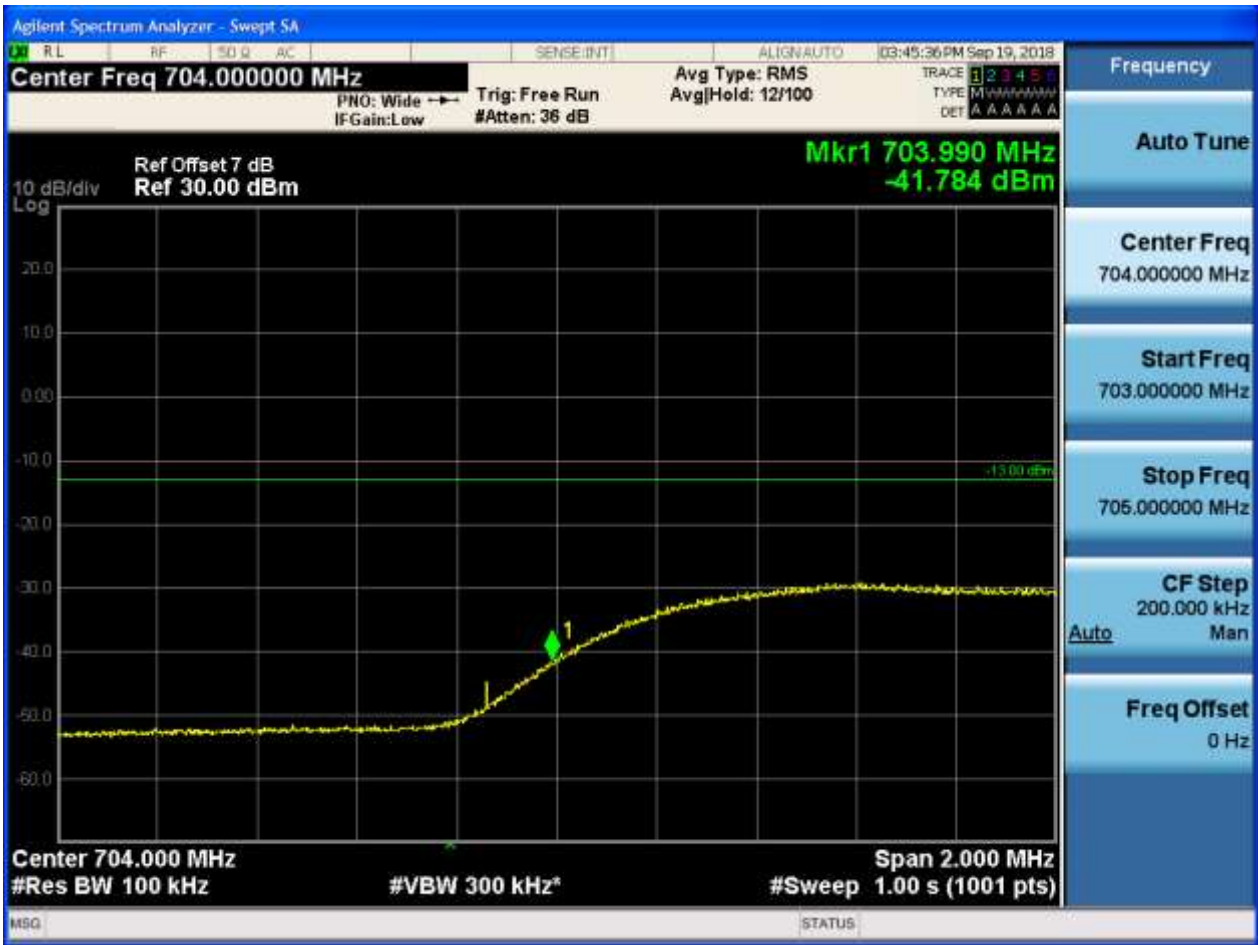
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



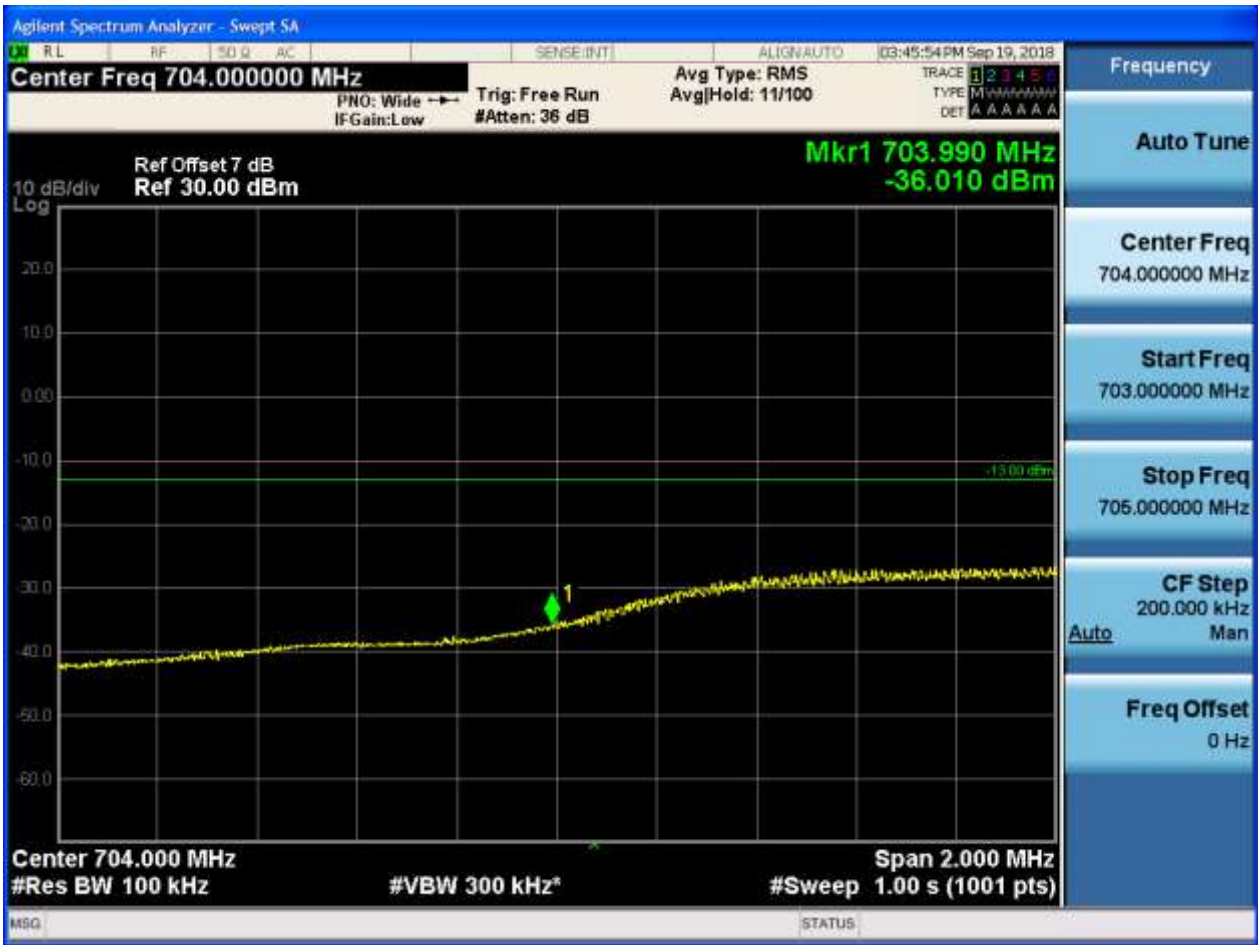


5.1.1.2.2.1.2 Test RB = RB1#49





5.1.1.2.2.1.3 Test RB = RB25#13





5.1.1.2.2.1.4 Test RB = RB50#0





5.1.1.2.2.2 Test RB = RB1#49





5.1.1.2.2.2.3 Test RB = RB25#13





5.1.1.2.2.2.4 Test RB = RB50#0





6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

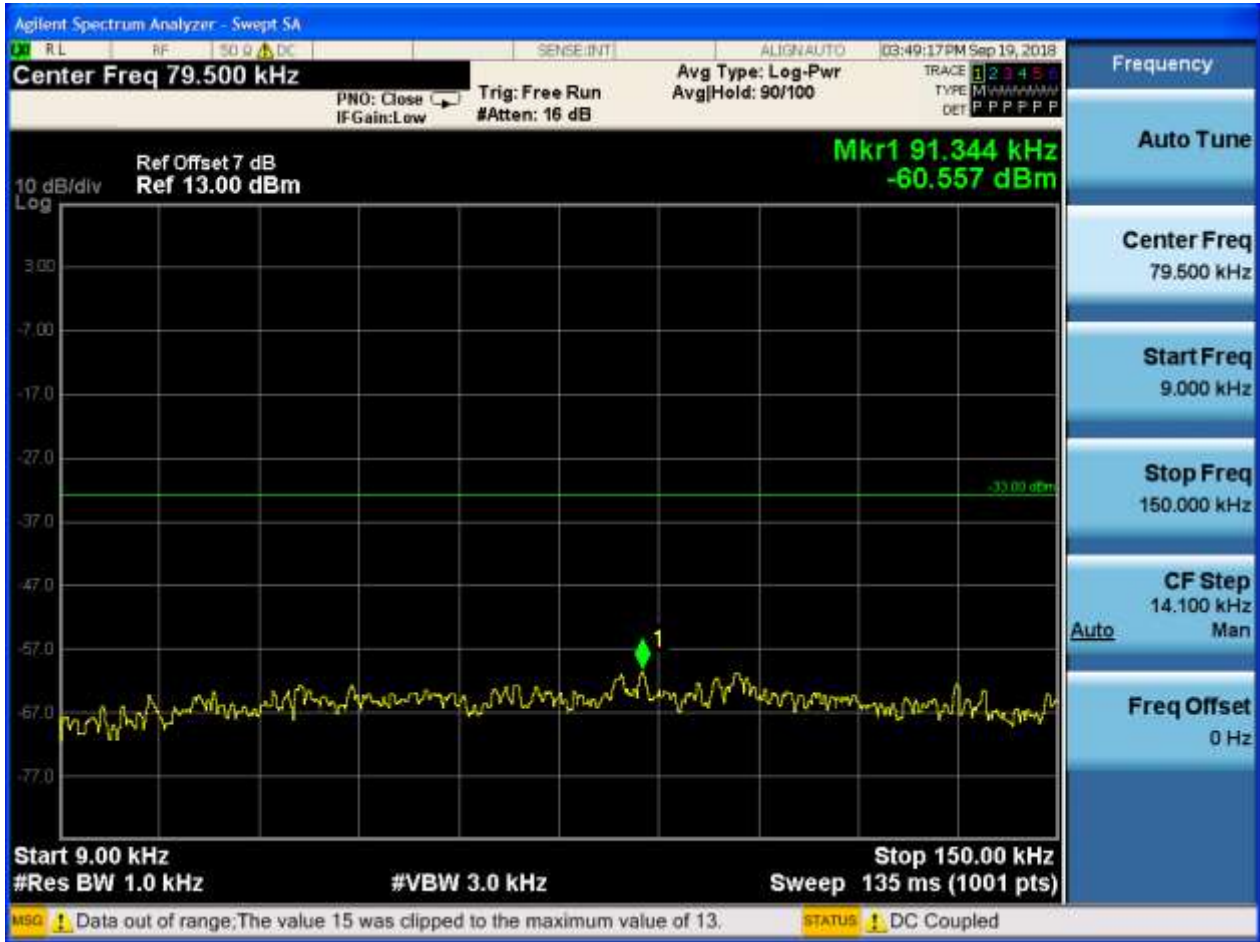
6.1.1 Test Band = BAND17

6.1.1.1 Test Mode = LTE/TM1

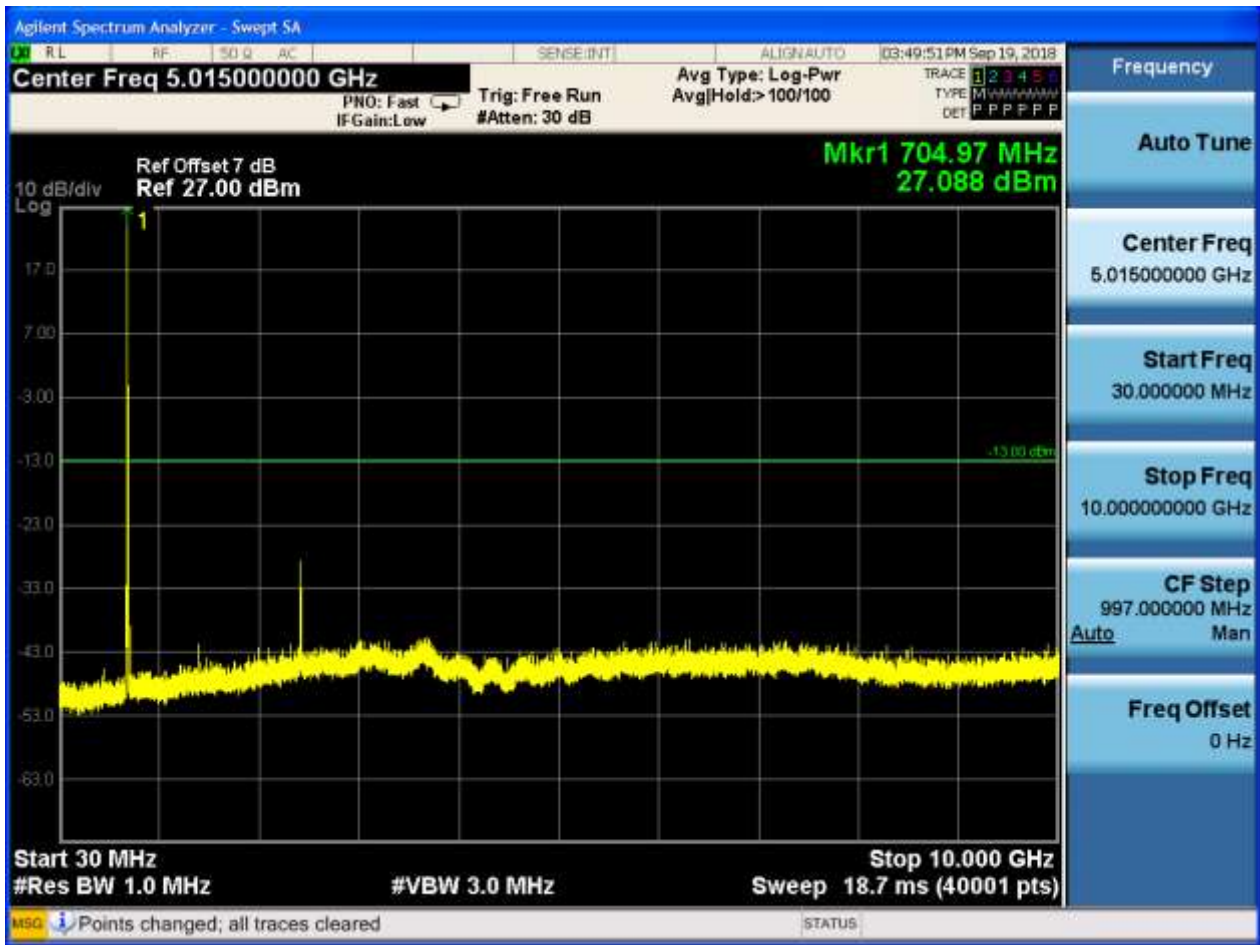
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0







6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

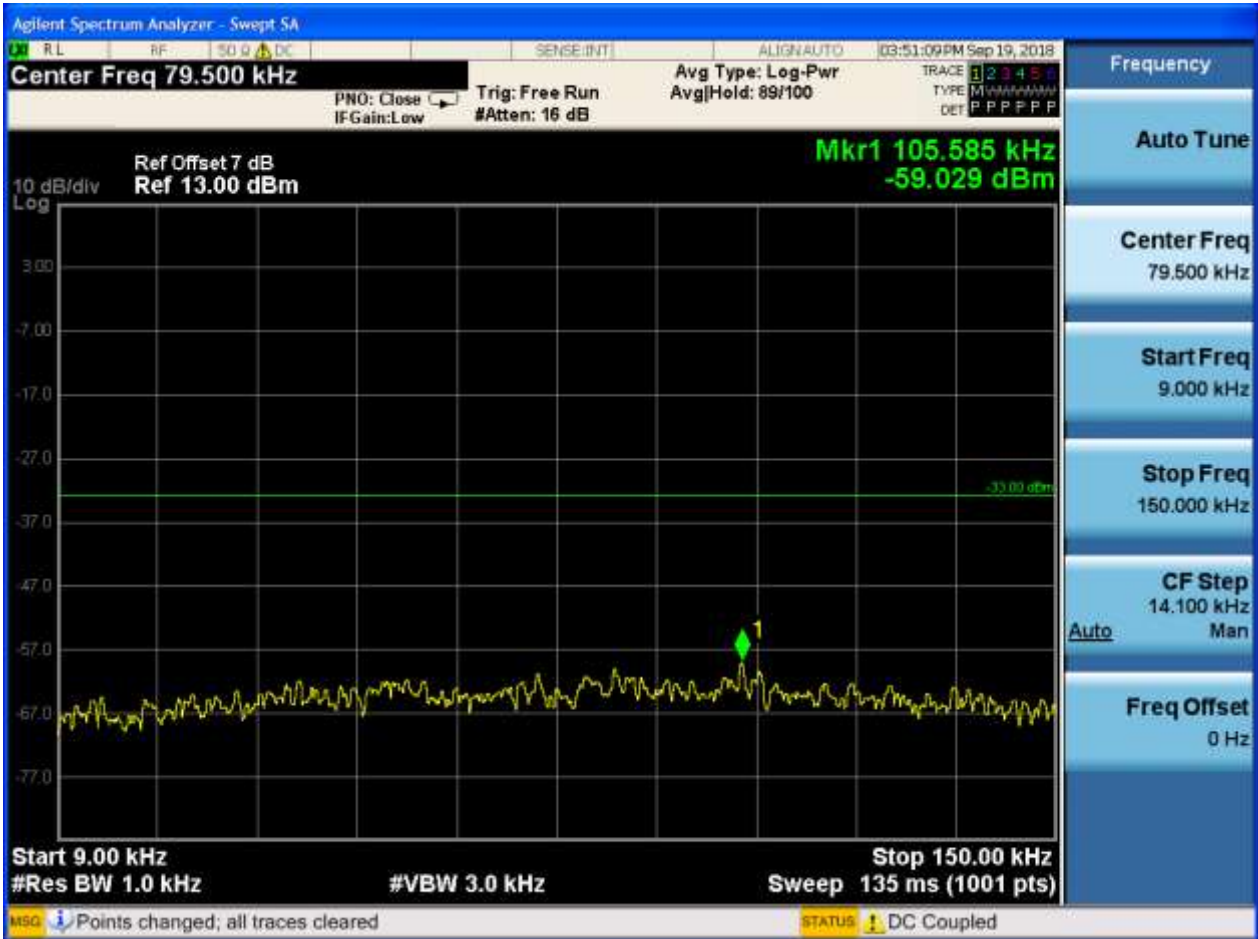






6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0







6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0

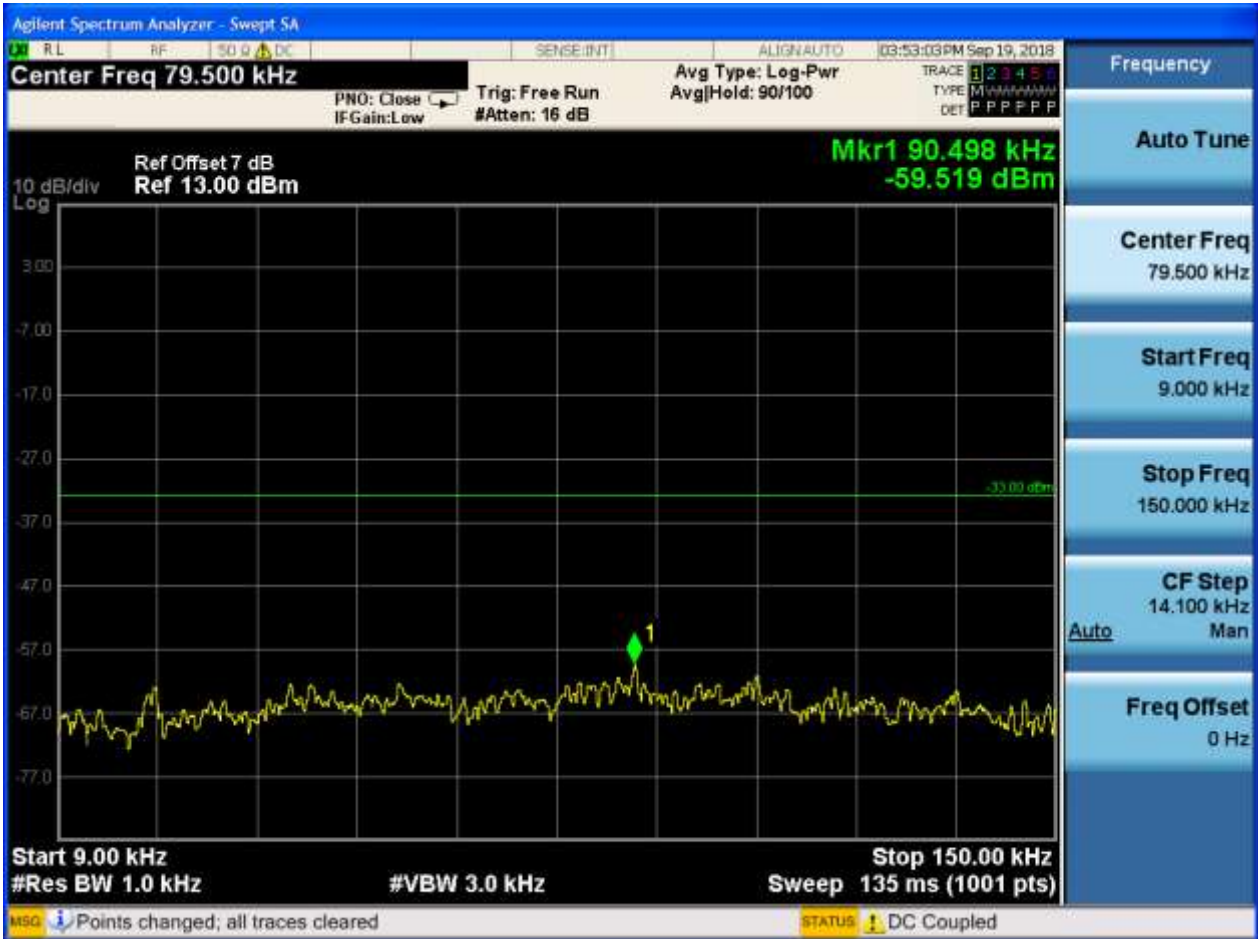






6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

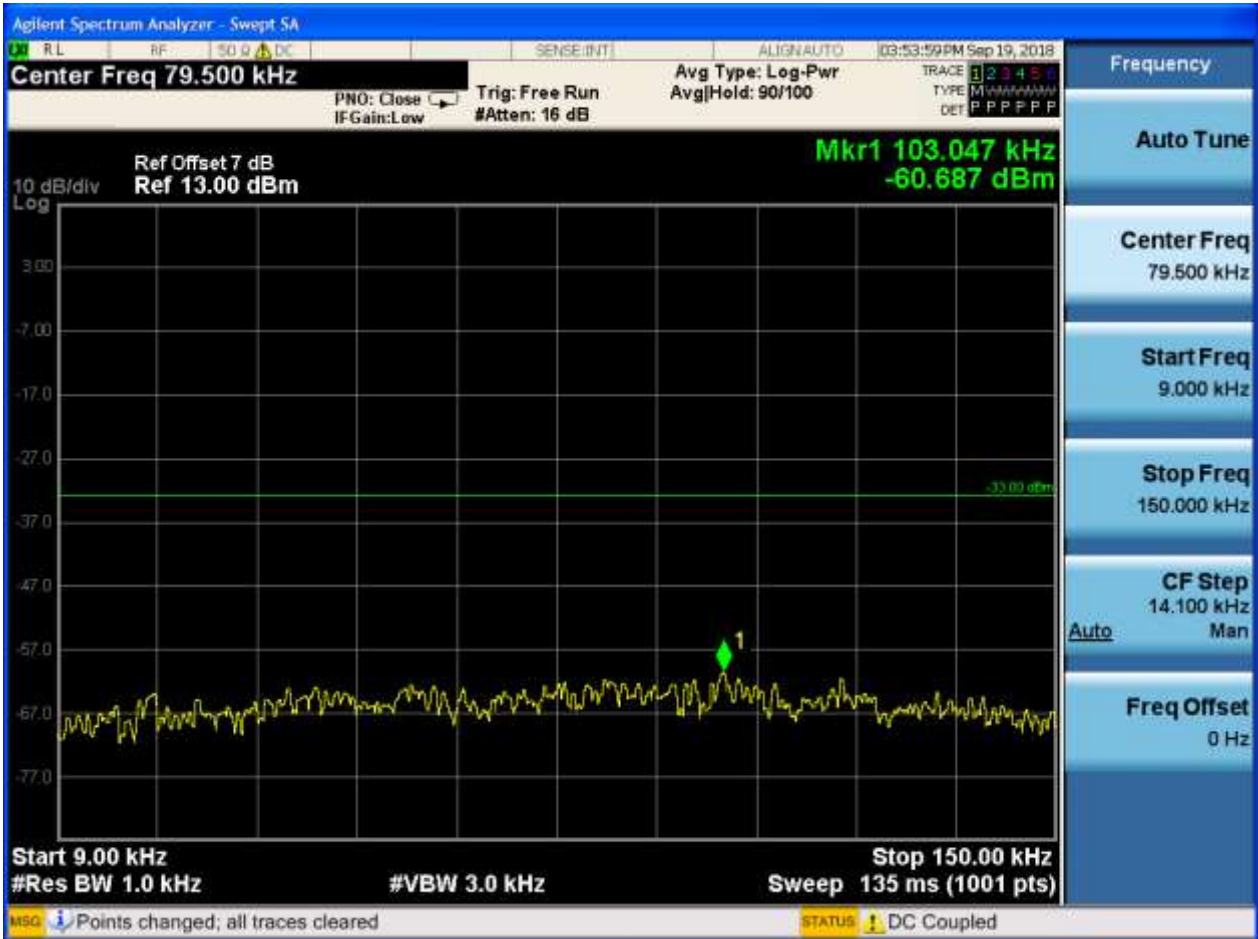






6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





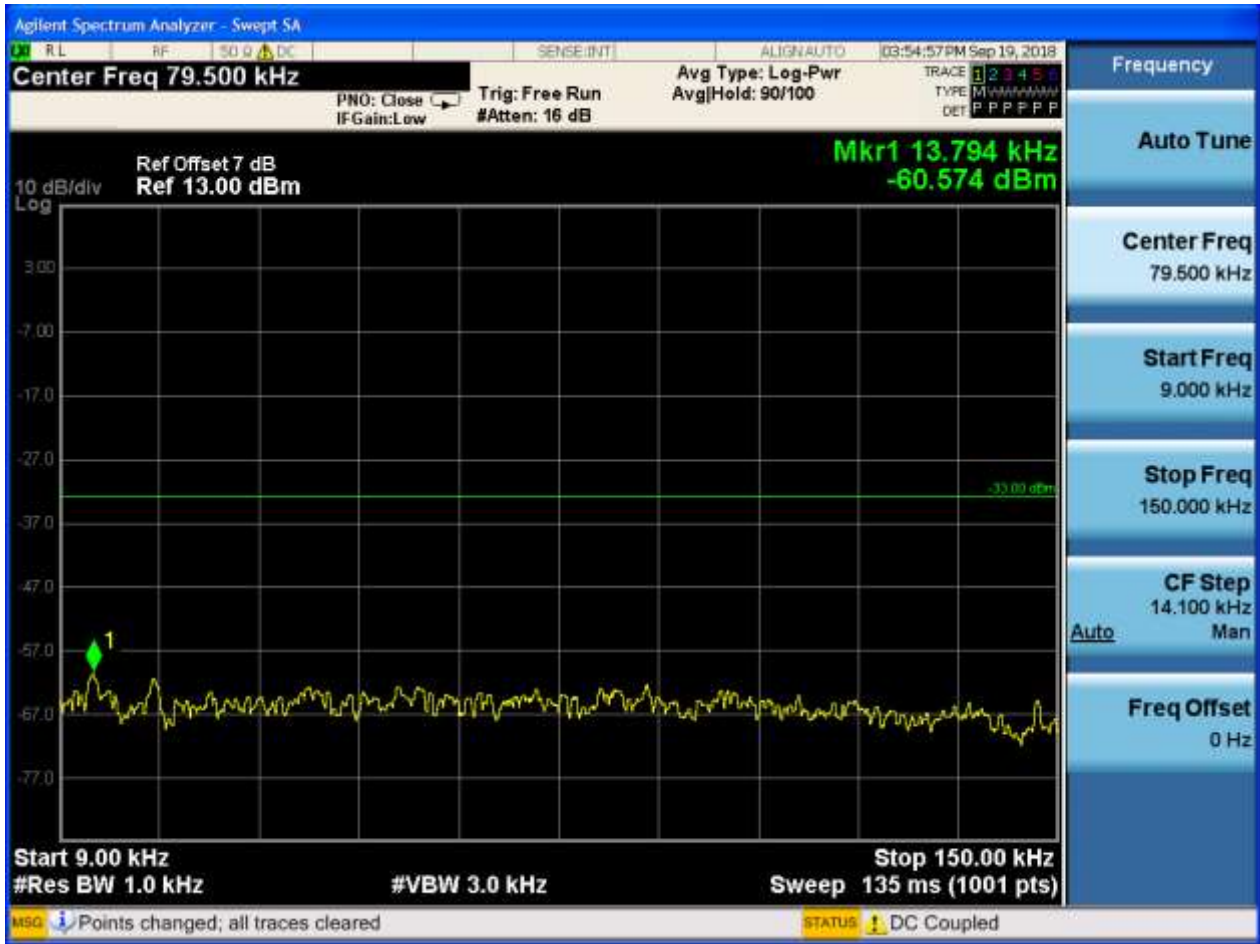


6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

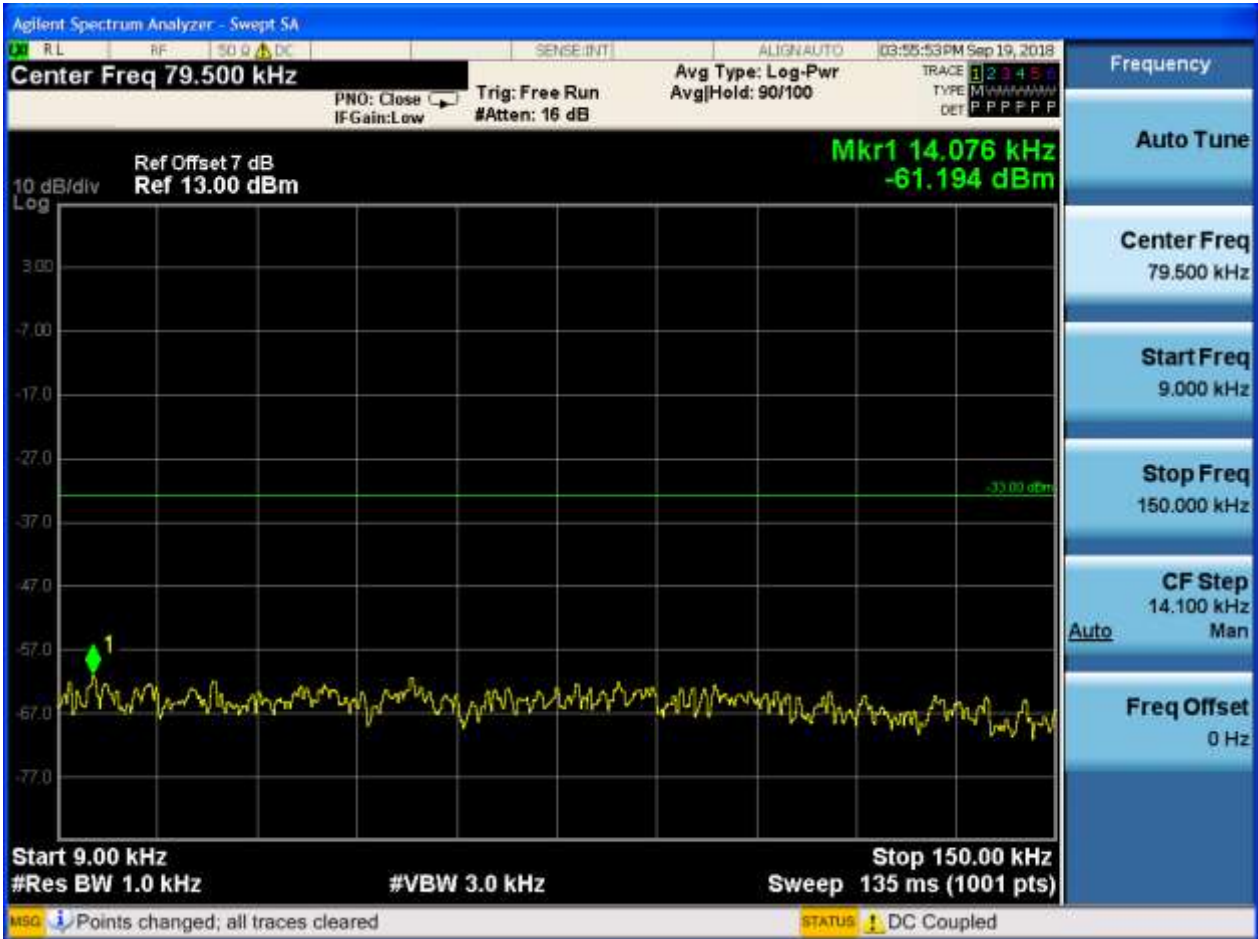






6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

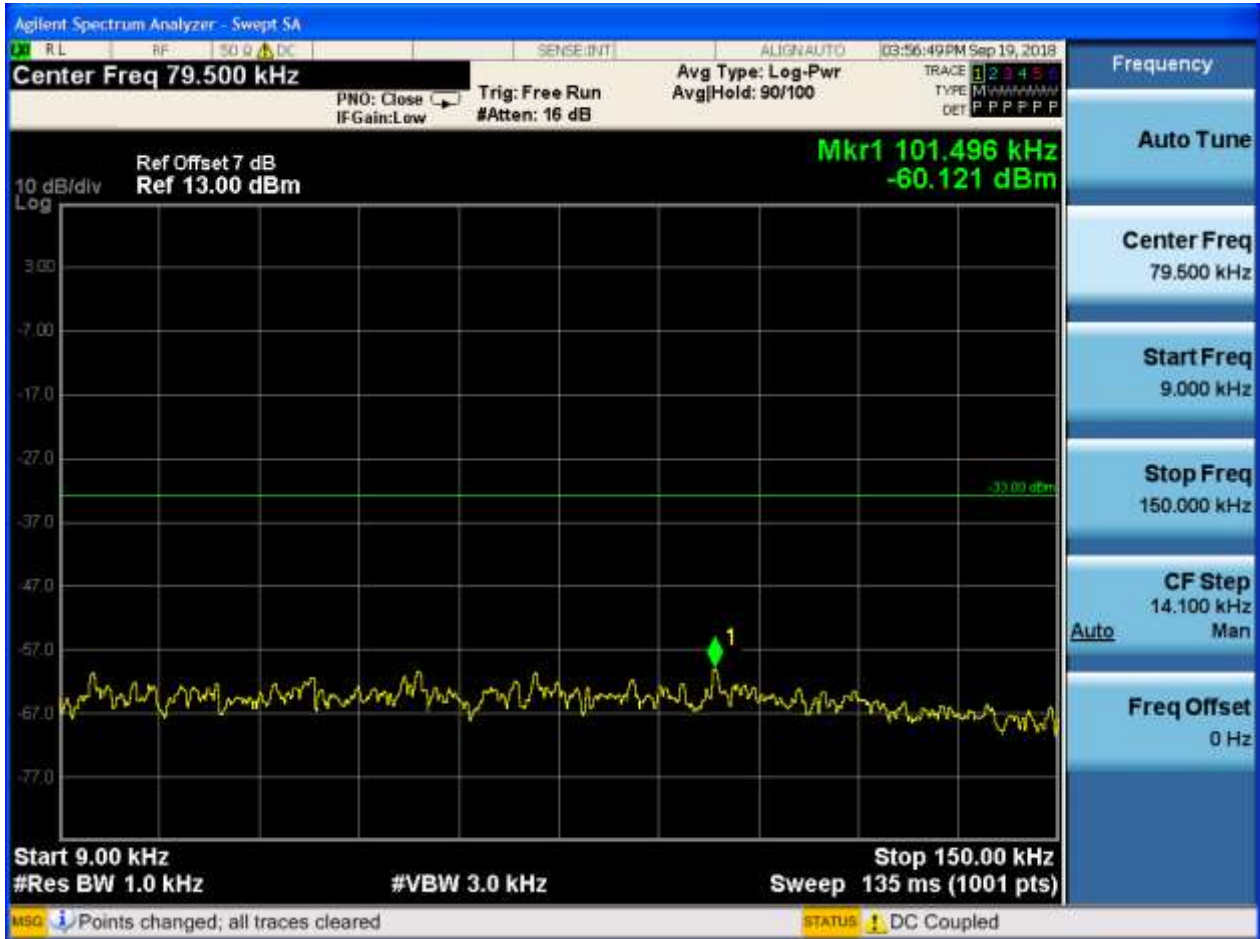






6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

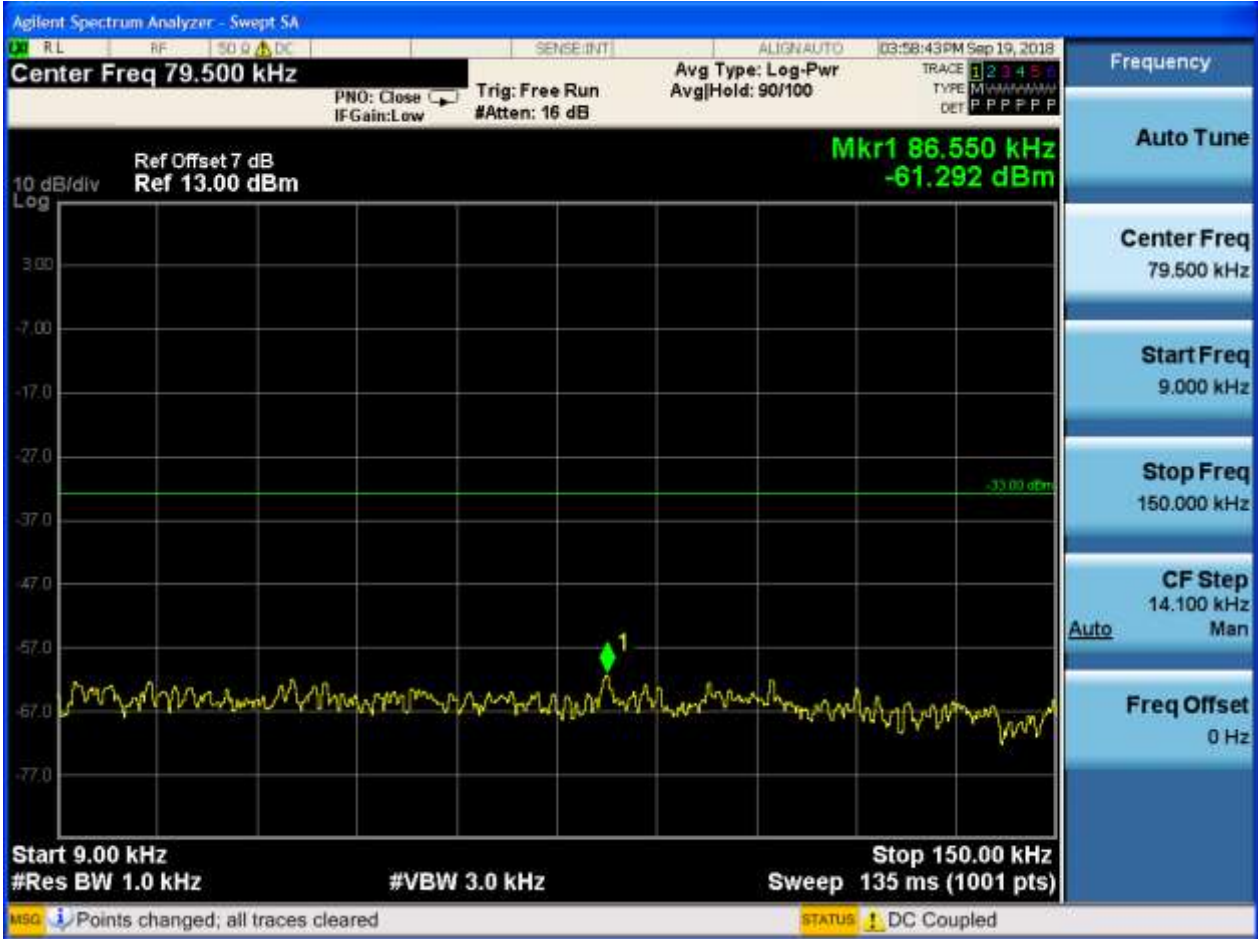






6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0







6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0









7Appendix_G: Field Strength of Spurious Radiation

Note:We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For LTE

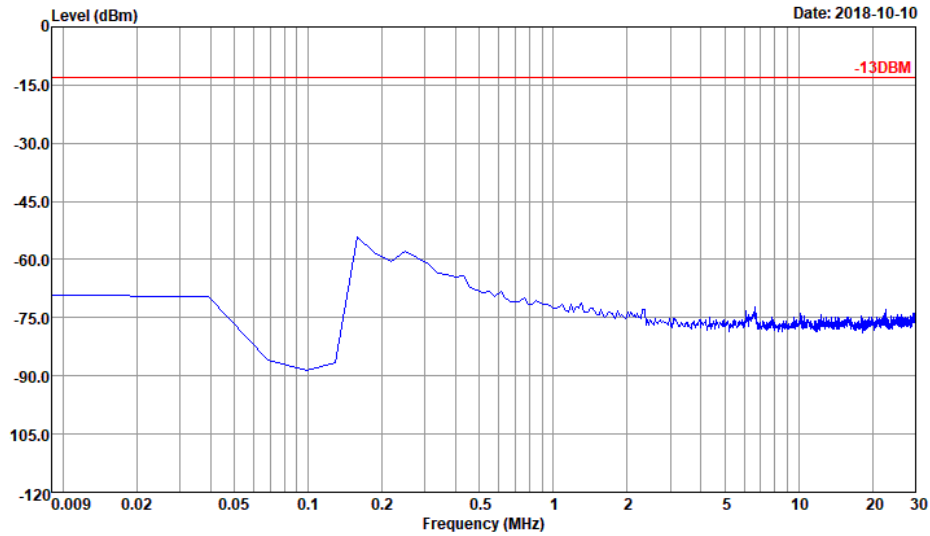
7.1.1 Test Band = BAND17

7.1.1.1 Test Bandwidth = 5



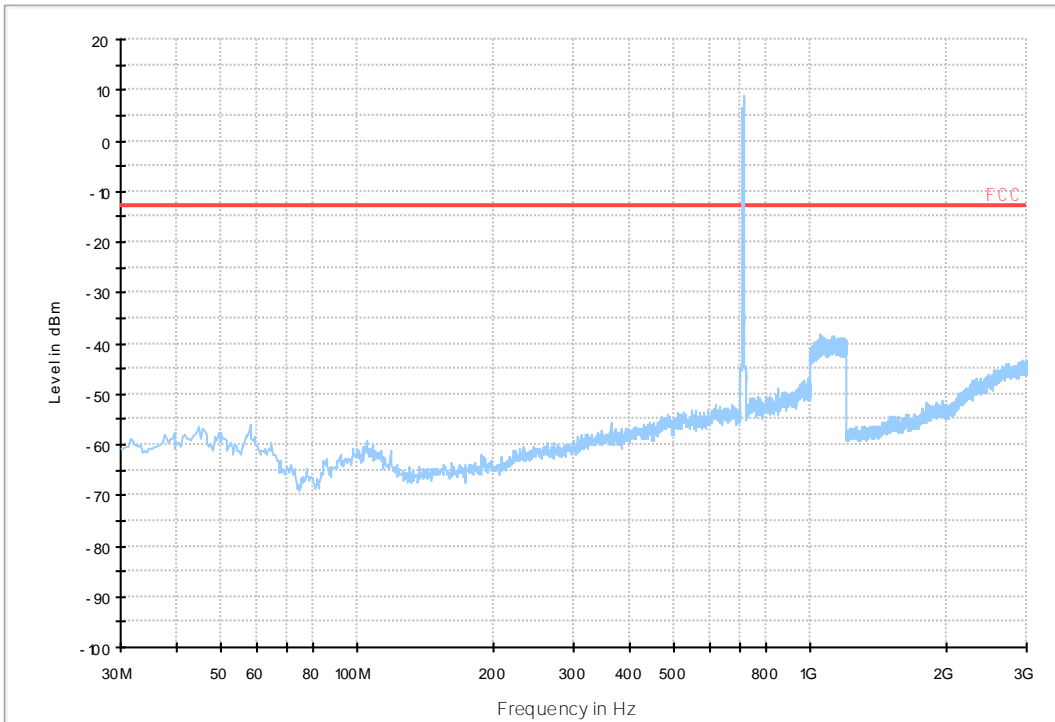
Data: 19

Date: 2018-10-10

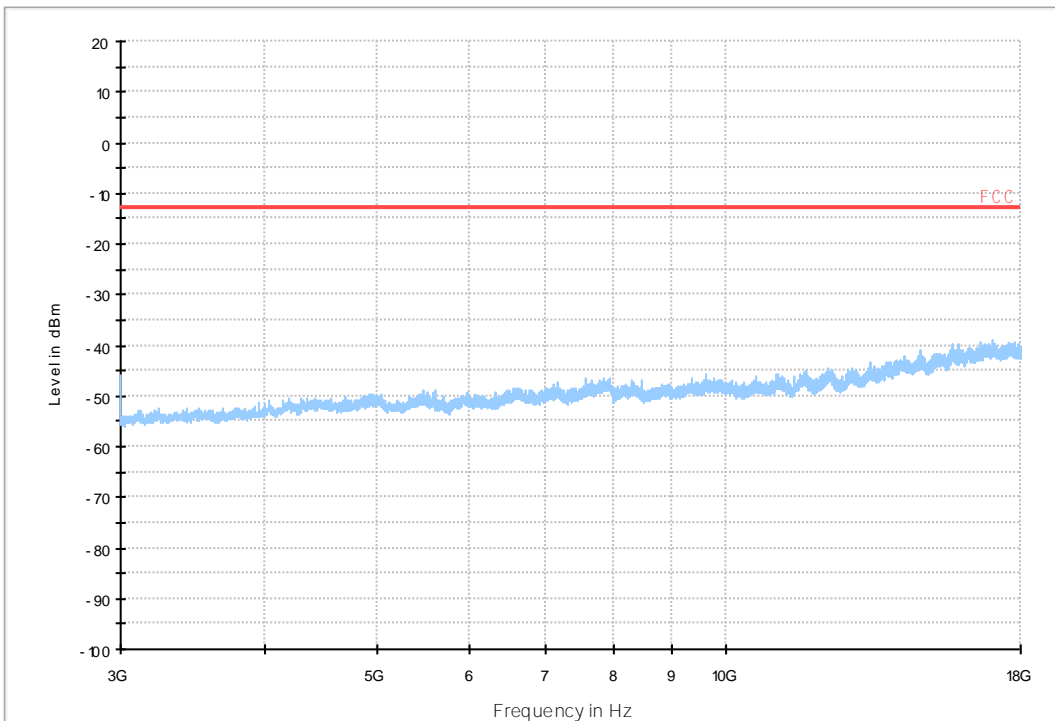


Site : 03CH01-SZ
Condition : -13DBM 9K-30M AMP NEUTRAL
: RBW:9.000KHz VBW:30.000KHz
: LTE B17 5M

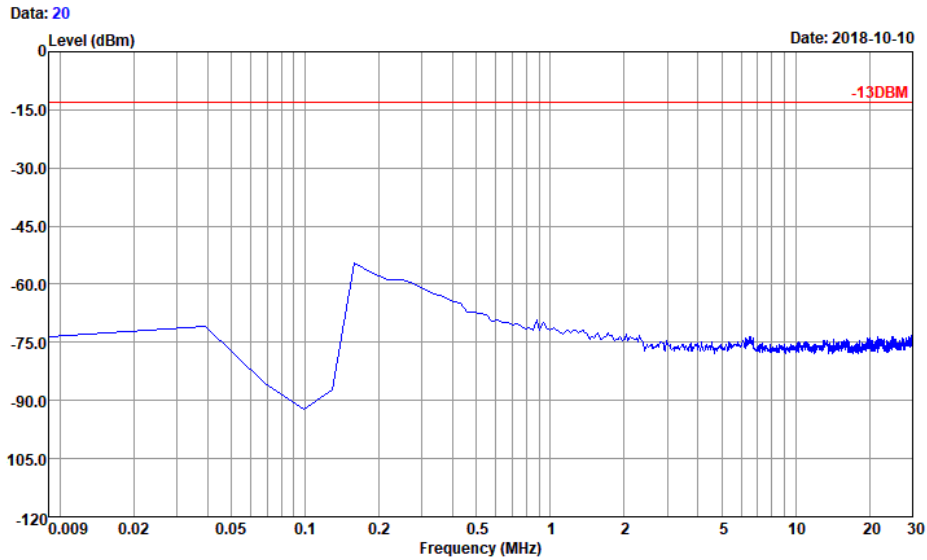
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

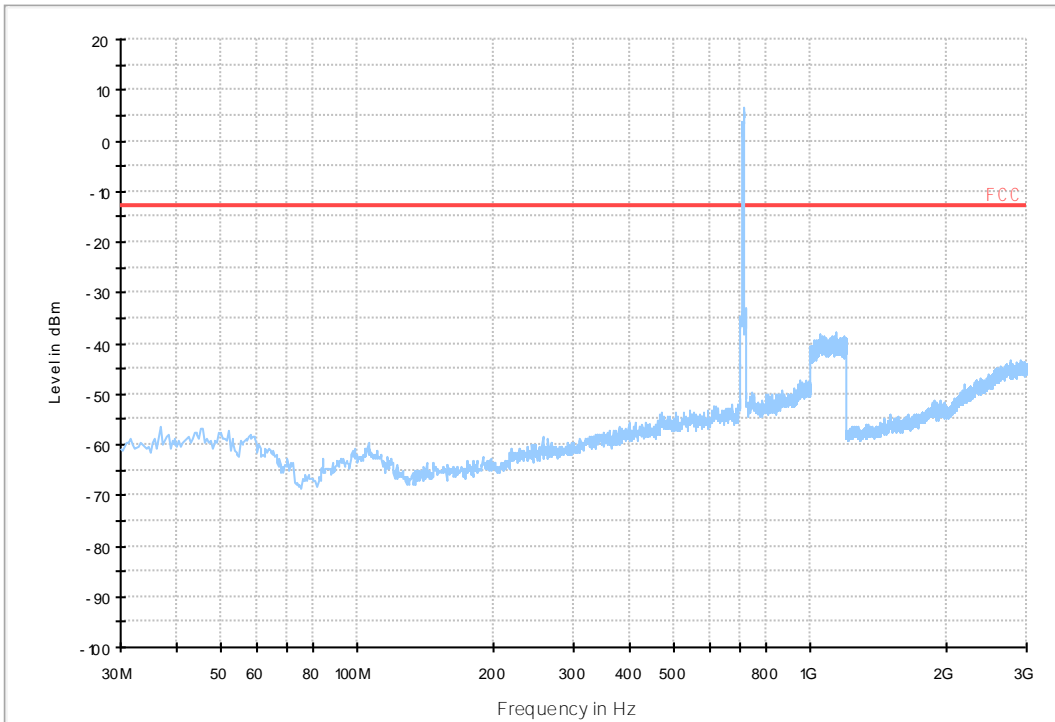


7.1.1.2 Test Bandwidth = 10

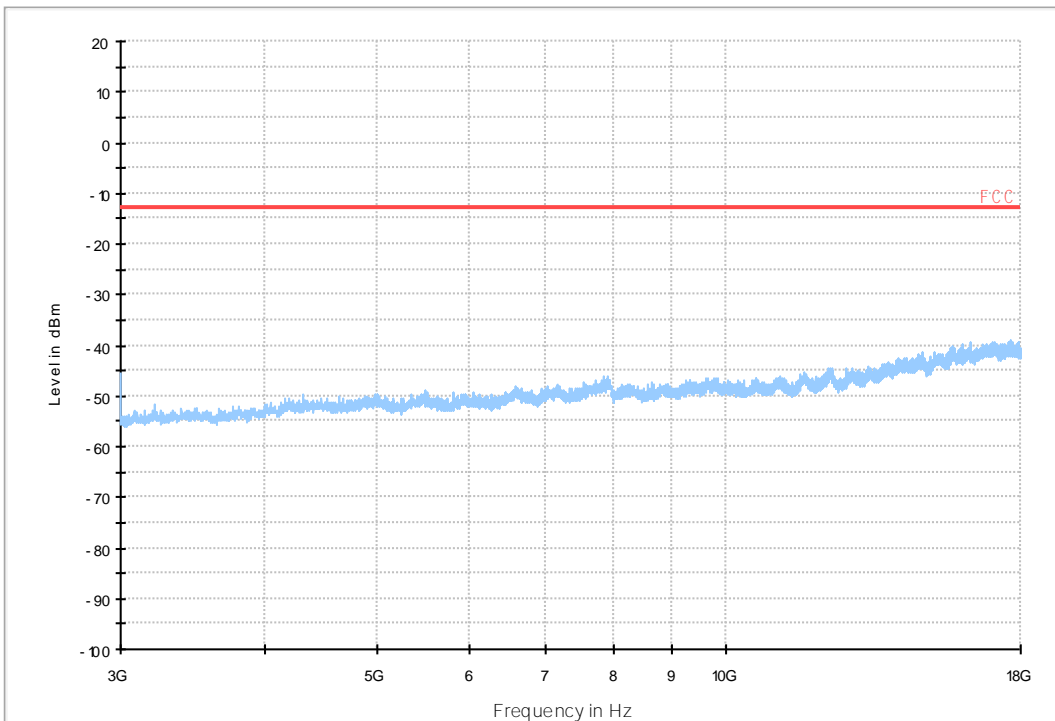


Site : 03CH01-SZ
Condition : -13DBM 9K-30M AMP NEUTRAL
: RBW:9.000KHz VBW:30.000KHz
: LTE B17 10M

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1	5	LCH	TN	VL	-3.02	-0.00427	PASS
					VN	7.04	0.00996	PASS
					VH	-3.96	-0.00561	PASS
			MCH	TN	VL	-0.66	-0.00093	PASS
					VN	-1.85	-0.00261	PASS
					VH	-4.05	-0.0057	PASS
		HCH	TN	VL	1.26	0.00177	PASS	
				VN	1.26	0.00177	PASS	
				VH	3.38	0.00474	PASS	
		10	LCH	TN	VL	-0.96	-0.00135	PASS
					VN	-3.15	-0.00444	PASS
					VH	-0.09	-0.00013	PASS
			MCH	TN	VL	-1.59	-0.00224	PASS
					VN	0.83	0.00117	PASS
					VH	-1.39	-0.00196	PASS
	HCH	TN	VL	-0.16	-0.00023	PASS		
			VN	0.14	0.0002	PASS		
			VH	0.54	0.00076	PASS		
	LTE/TM2	5	LCH	TN	VL	7.91	0.0112	PASS
					VN	5.28	0.00747	PASS
					VH	4.45	0.0063	PASS
			MCH	TN	VL	1.24	0.00175	PASS
					VN	-1.32	-0.00186	PASS
					VH	3.13	0.00441	PASS
		HCH	TN	VL	-1.34	-0.00188	PASS	
				VN	1.12	0.00157	PASS	
				VH	-3.12	-0.00437	PASS	
10		LCH	TN	VL	-0.01	-0.00001	PASS	
				VN	-1.16	-0.00164	PASS	
				VH	-1.99	-0.00281	PASS	
	MCH	TN	VL	2.96	0.00417	PASS		
			VN	-0.74	-0.00104	PASS		
			VH					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	1.80	0.00254	PASS
			HCH	TN	VL	3.03	0.00426	PASS
					VN	-1.59	-0.00224	PASS
					VH	-3.68	-0.00518	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1	5	LCH	VN	-30	3.29	0.00466	PASS
					-20	0.54	0.00076	PASS
					-10	-0.07	-0.0001	PASS
					0	-1.32	-0.00187	PASS
					10	0.56	0.00079	PASS
					20	1.39	0.00197	PASS
					30	1.27	0.0018	PASS
					40	-3.08	-0.00436	PASS
			50	1.60	0.00226	PASS		
			MCH	VN	-30	0.27	0.00038	PASS
					-20	-3.13	-0.00441	PASS
					-10	-2.03	-0.00286	PASS
					0	-0.14	-0.0002	PASS
					10	4.53	0.00638	PASS
					20	-2.19	-0.00308	PASS
					30	-1.24	-0.00175	PASS
					40	-2.10	-0.00296	PASS
			50	2.07	0.00292	PASS		
			HCH	VN	-30	5.56	0.00779	PASS
					-20	-1.76	-0.00247	PASS
					-10	-1.22	-0.00171	PASS
					0	1.37	0.00192	PASS
					10	-0.16	-0.00022	PASS
					20	3.25	0.00456	PASS
		30			6.82	0.00956	PASS	
		40			2.26	0.00317	PASS	
		50	4.43	0.00621	PASS			
		10	LCH	VN	-30	-1.49	-0.0021	PASS
					-20	-4.09	-0.00577	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-0.10	-0.00014	PASS		
					20	-2.05	-0.00289	PASS		
					30	-1.26	-0.00177	PASS		
					40	-3.20	-0.00451	PASS		
					50	3.62	0.0051	PASS		
			HCH	VN	-30	-2.27	-0.00318	PASS		
					-20	-1.59	-0.00223	PASS		
					-10	2.30	0.00322	PASS		
					0	4.11	0.00576	PASS		
					10	3.12	0.00437	PASS		
					20	-2.70	-0.00378	PASS		
					30	-0.03	-0.00004	PASS		
					40	0.99	0.00139	PASS		
					50	5.12	0.00718	PASS		
					LCH	VN	-30	1.10	0.00155	PASS
			-20	3.05			0.0043	PASS		
			-10	2.32			0.00327	PASS		
			0	0.23			0.00032	PASS		
			10	-0.26			-0.00037	PASS		
			20	-2.56			-0.00361	PASS		
		30	3.56	0.00502			PASS			
		40	2.02	0.00285			PASS			
		MCH	VN	-30	-0.90	-0.00127	PASS			
				-20	1.00	0.00141	PASS			
				-10	-0.86	-0.00121	PASS			
				0	0.00	0	PASS			
				10	0.34	0.00048	PASS			
				20	-0.03	-0.00004	PASS			
				30	-2.17	-0.00306	PASS			
				40	-0.47	-0.00066	PASS			
		HCH	VN	50	0.56	0.00079	PASS			
				-30	-3.73	-0.00525	PASS			
				-20	-3.78	-0.00532	PASS			
				-10	-1.69	-0.00238	PASS			
				0	-1.10	-0.00155	PASS			
				10	3.46	0.00487	PASS			
		20	-2.03	-0.00286	PASS					
		10					10	-0.10	-0.00014	PASS
							20	-2.05	-0.00289	PASS
							30	-1.26	-0.00177	PASS
40	-3.20						-0.00451	PASS		
50	3.62						0.0051	PASS		
-30	-2.27						-0.00318	PASS		
-20	-1.59						-0.00223	PASS		
-10	2.30						0.00322	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-4.26	-0.00599	PASS
					40	-1.29	-0.00181	PASS
					50	-1.92	-0.0027	PASS

END