



Appendix for test report

1Appendix_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
				RB25#0	21.47	20.47	34.7	PASS
			MCH	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
				RB25#0	21.65	20.65	34.7	PASS
		10	LCH	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
				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
				RB1#0	22.38	21.38	34.7	PASS
			MCH	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	PASS
				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
				RB25#0	20.5	19.5	34.7	PASS
			HCH	RB1#0	22.33	21.33	34.7	PASS
				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 = $1.5 * \text{OBW}$

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

SET VBW $\geq 3 * \text{RBW}$

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
				RB50#0	6.13	13	PASS
	LTE/TM2	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
				RB25#0	6.41	13	PASS
			MCH	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
				RB12#13	6.43	13	PASS
				RB25#0	6.27	13	PASS
		10	HCH	RB1#0	5.48	13	PASS
				RB1#13	4.83	13	PASS
				RB1#24	4.79	13	PASS
				RB12#0	6.09	13	PASS
				RB12#6	5.77	13	PASS
				RB12#13	5.84	13	PASS
				RB25#0	6.28	13	PASS
			LCH	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
				RB50#0	6.45	13	PASS
			HCH	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

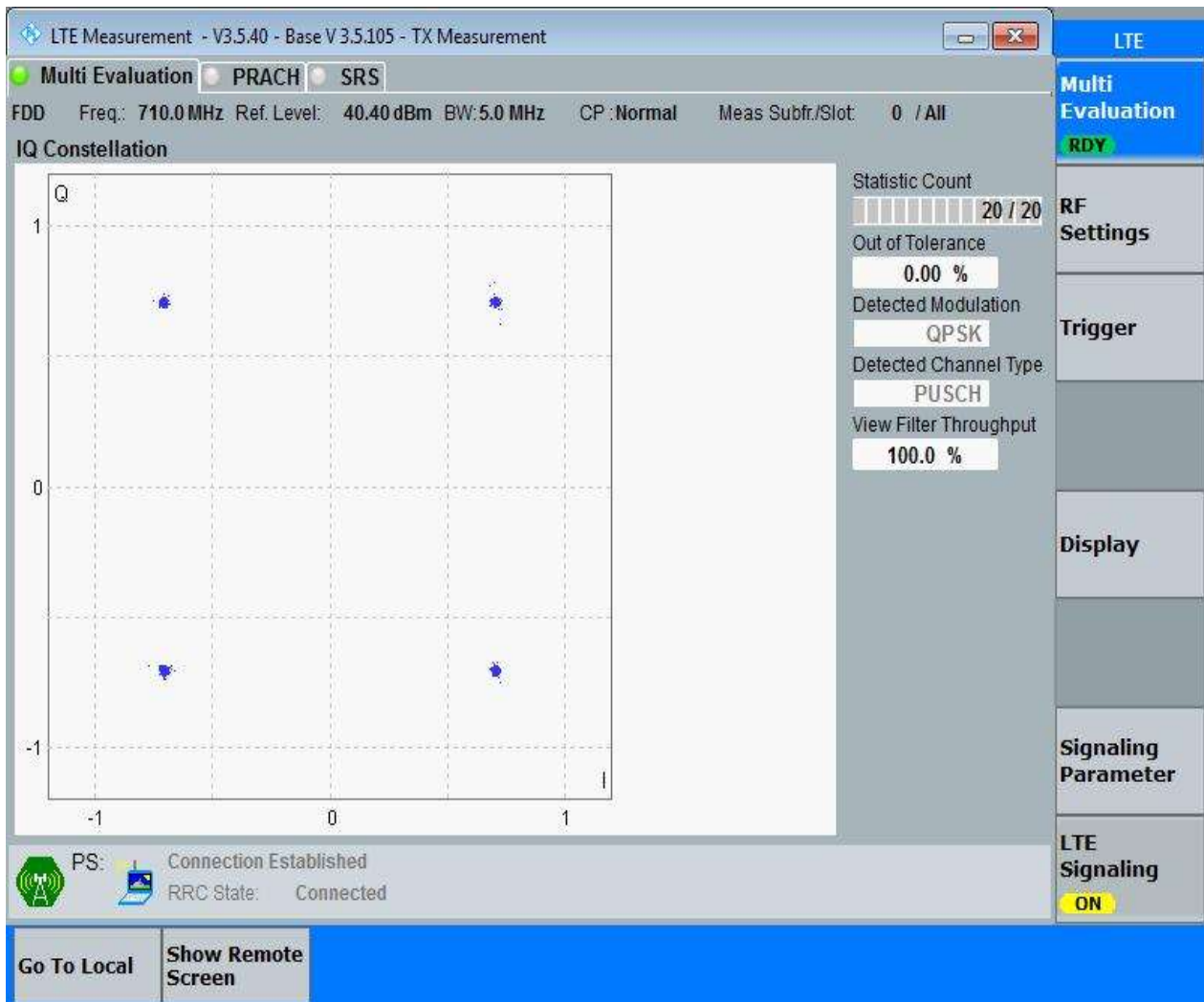
3.1.1 Test Band = BAND17

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

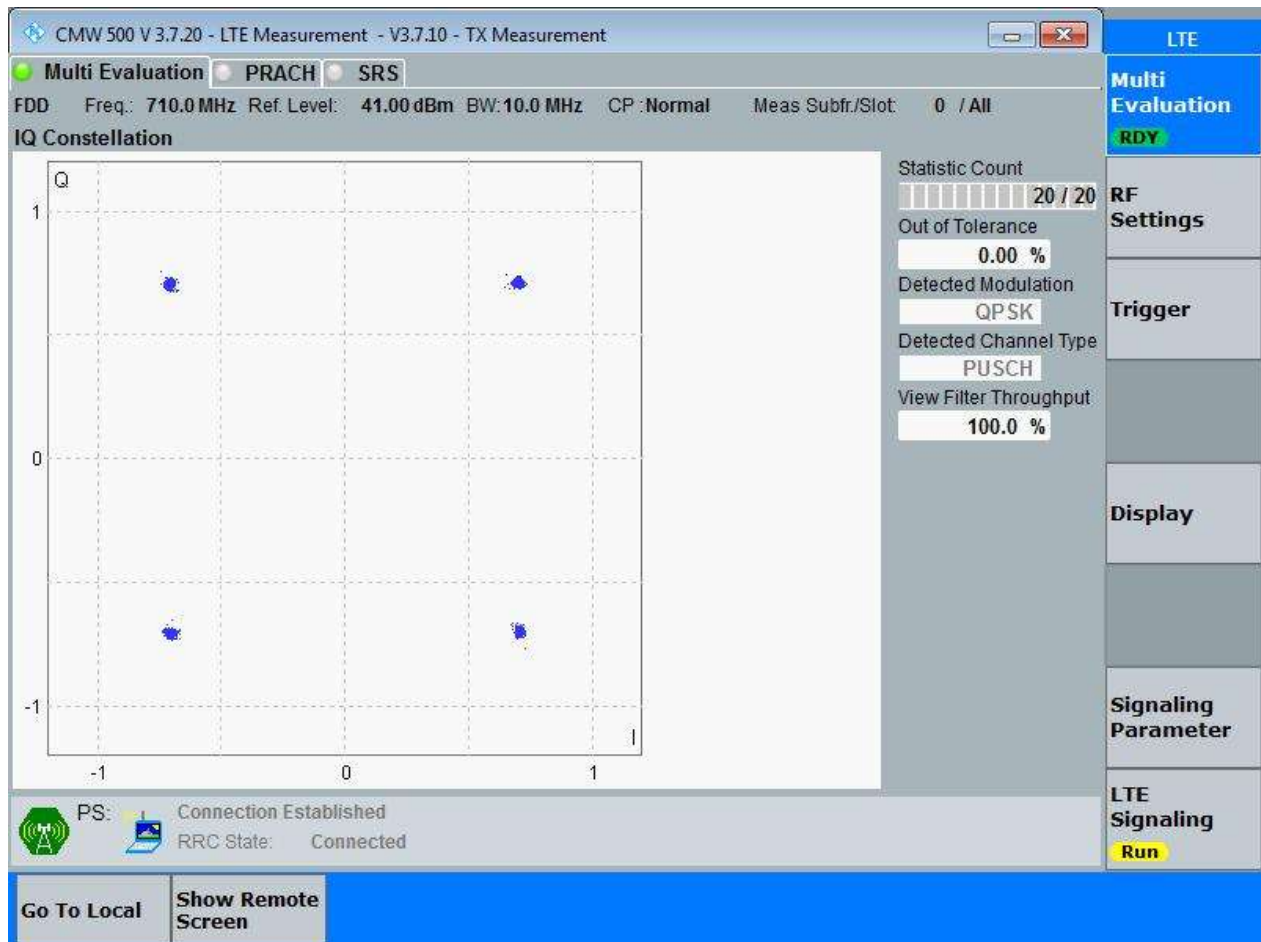
3.1.1.1.1.1.1 Test RB = RB25#0



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

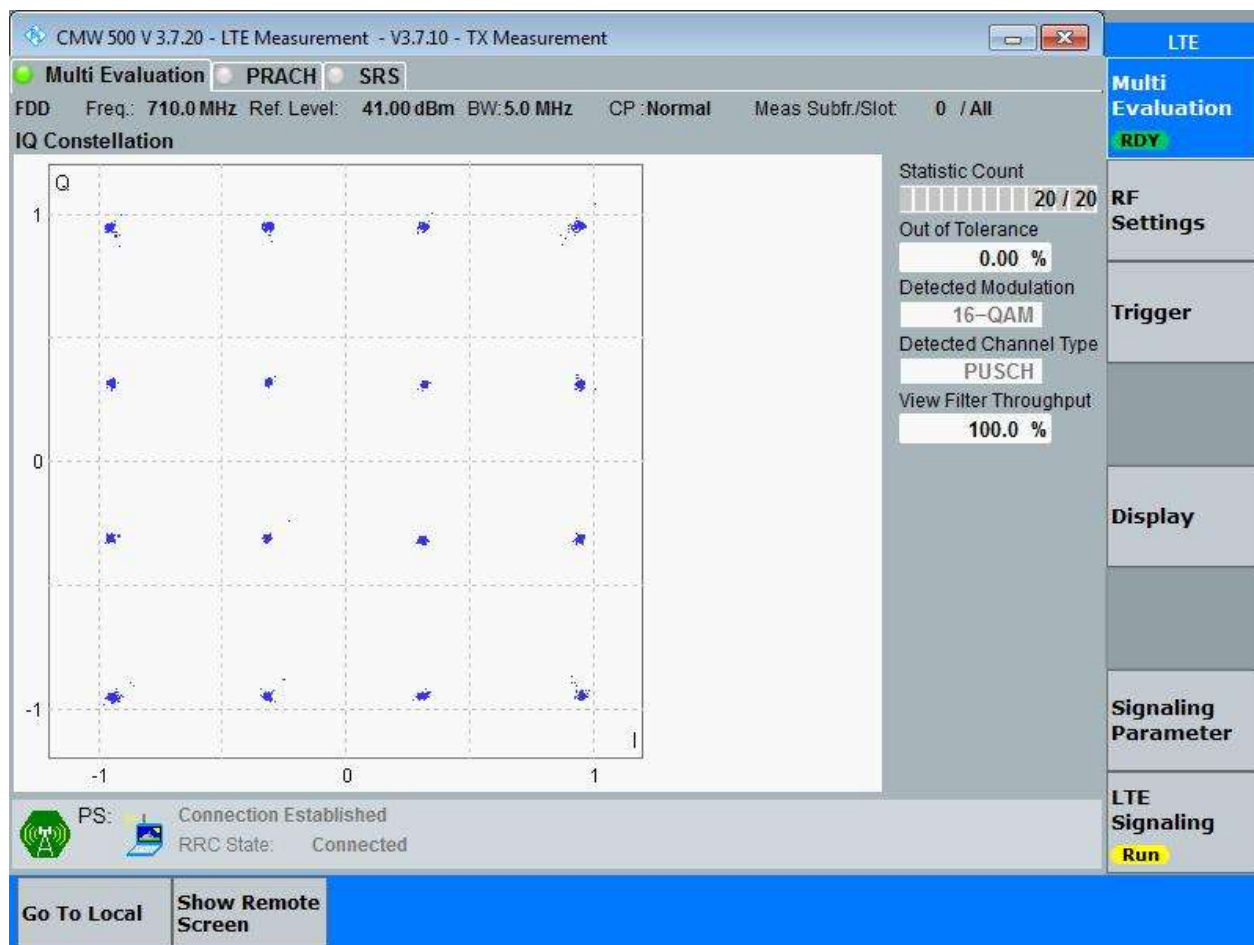


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

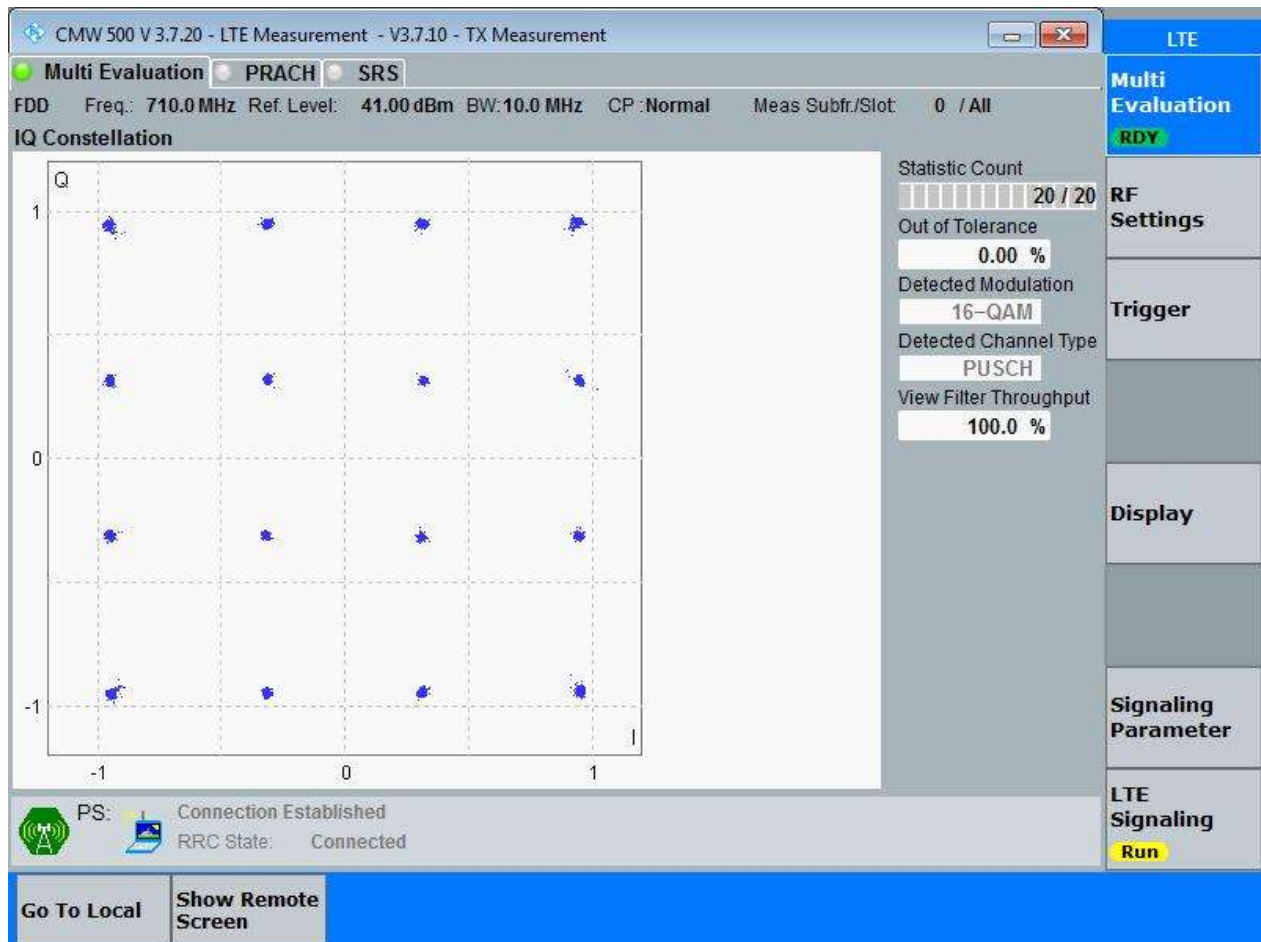
3.1.1.2.1.1.1 Test RB = RB25#0



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

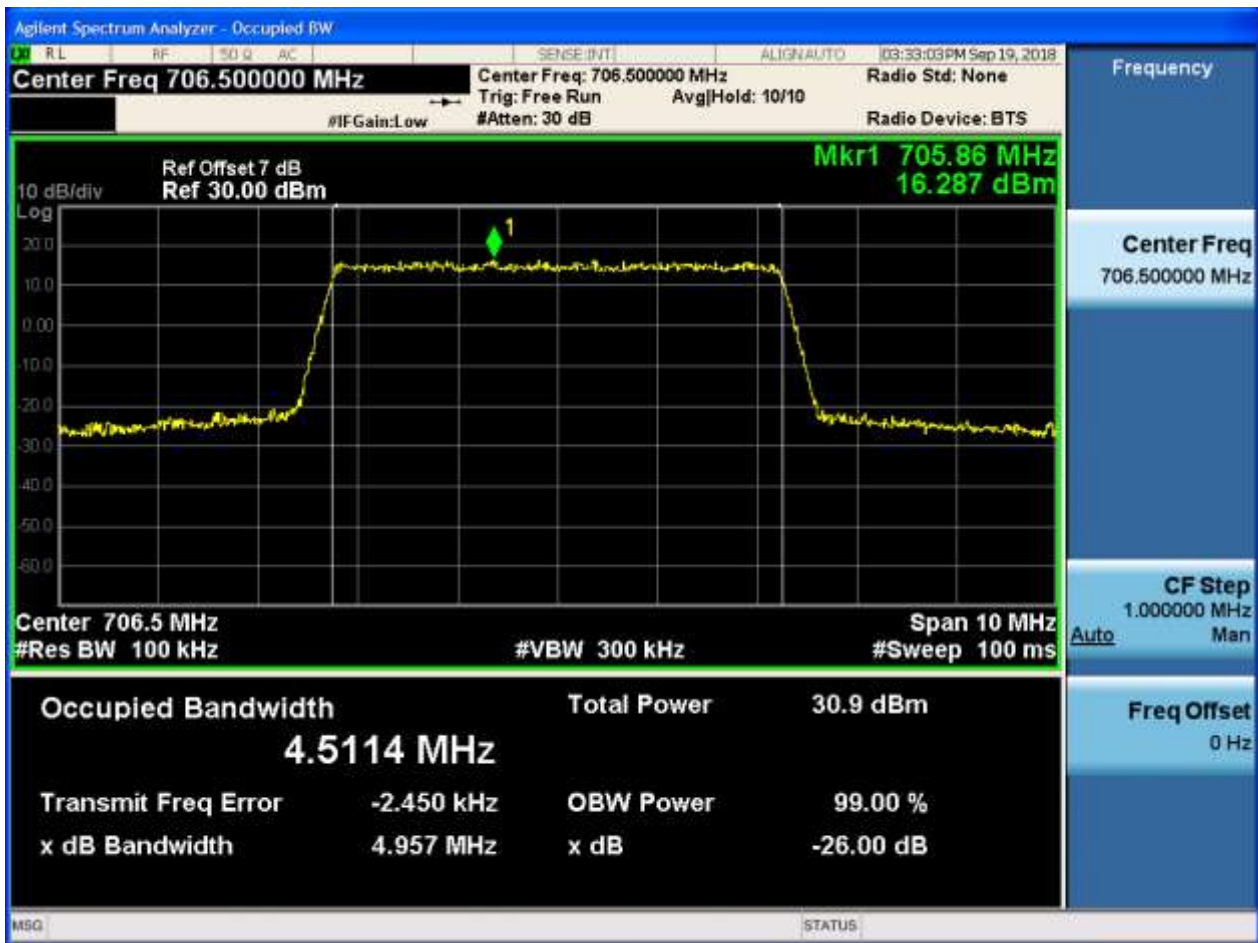
4.1.1 Test Band = BAND17

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



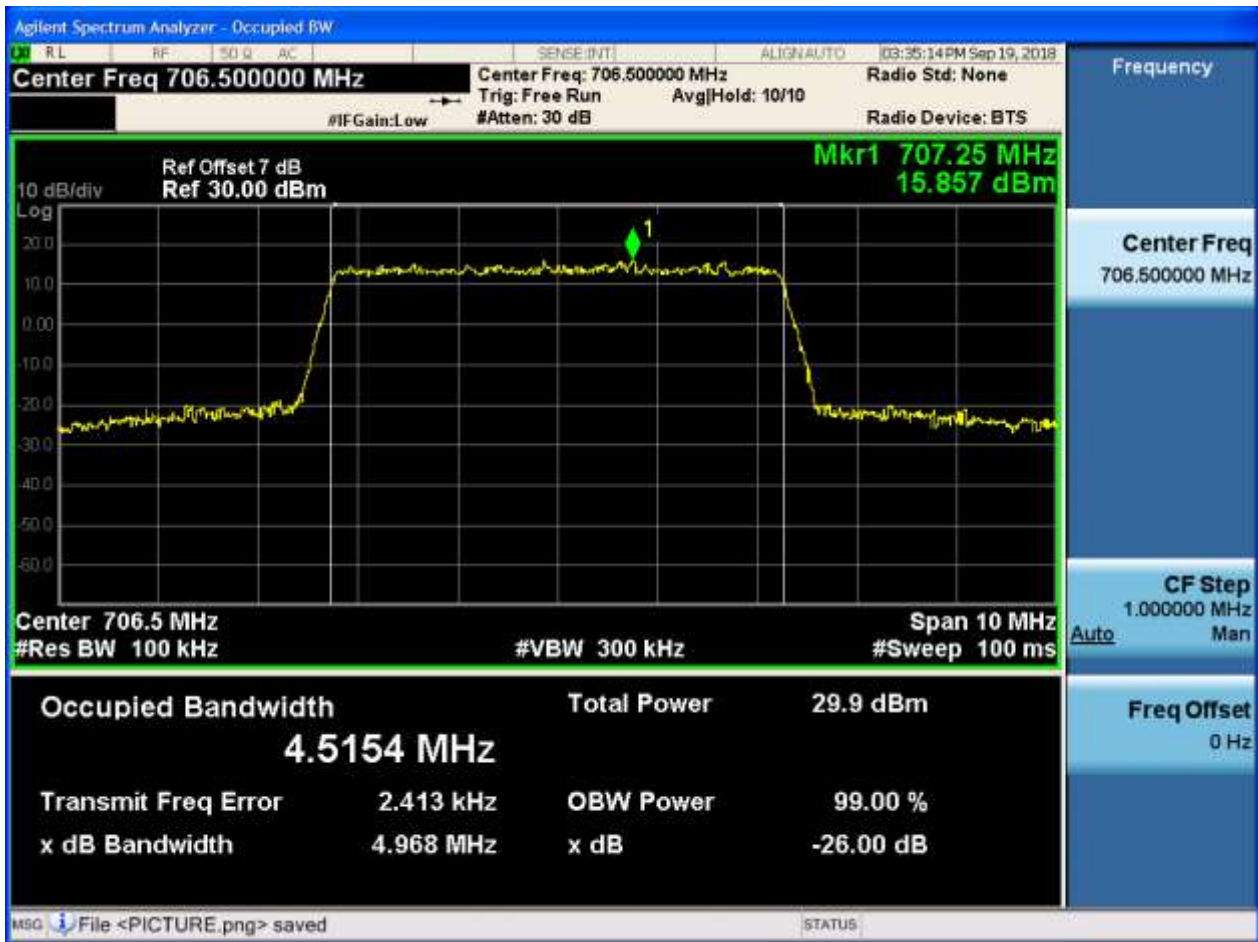


4.1.1.2 Test Mode = LTE/TM2

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

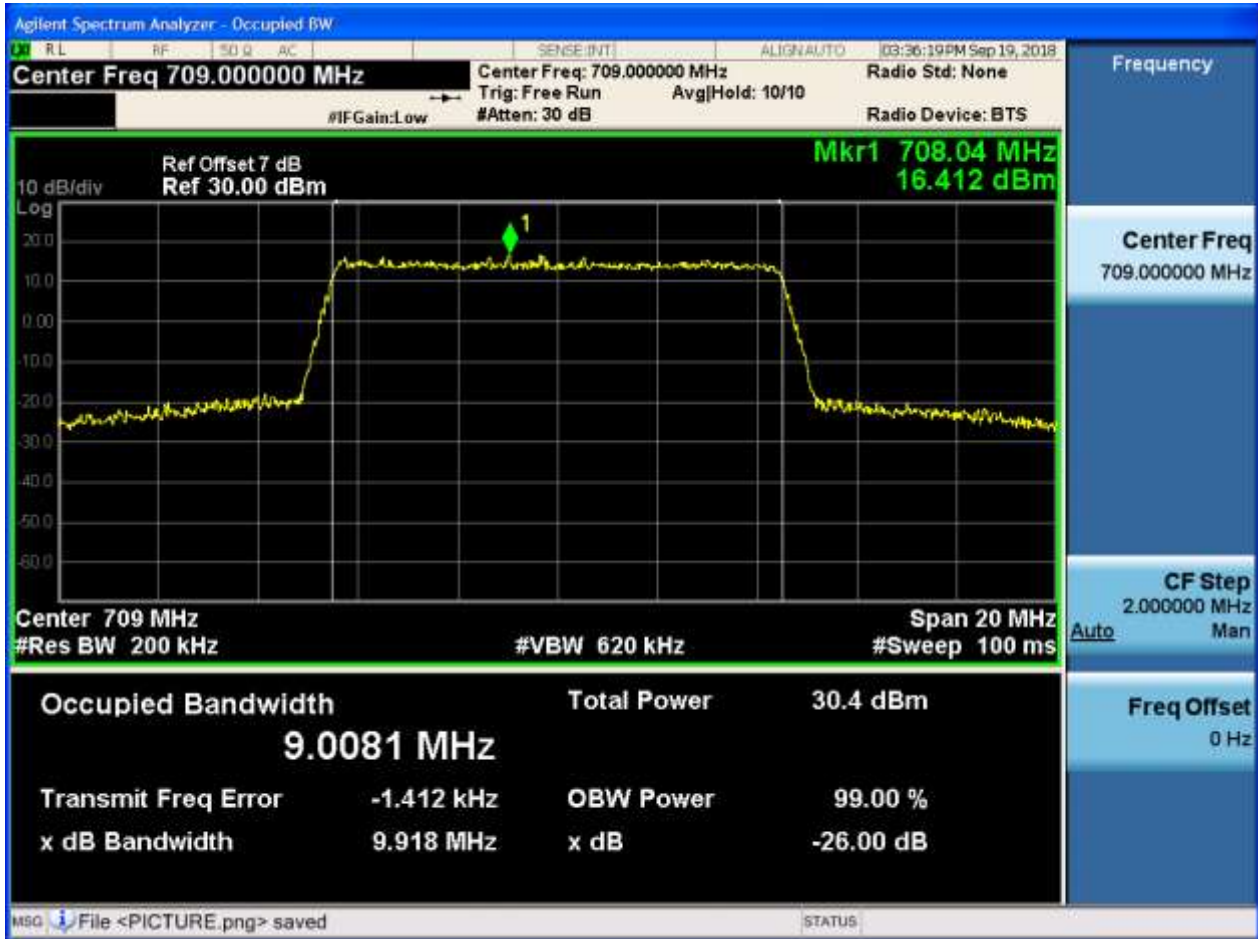




4.1.1.2.2 Test Bandwidth = 10

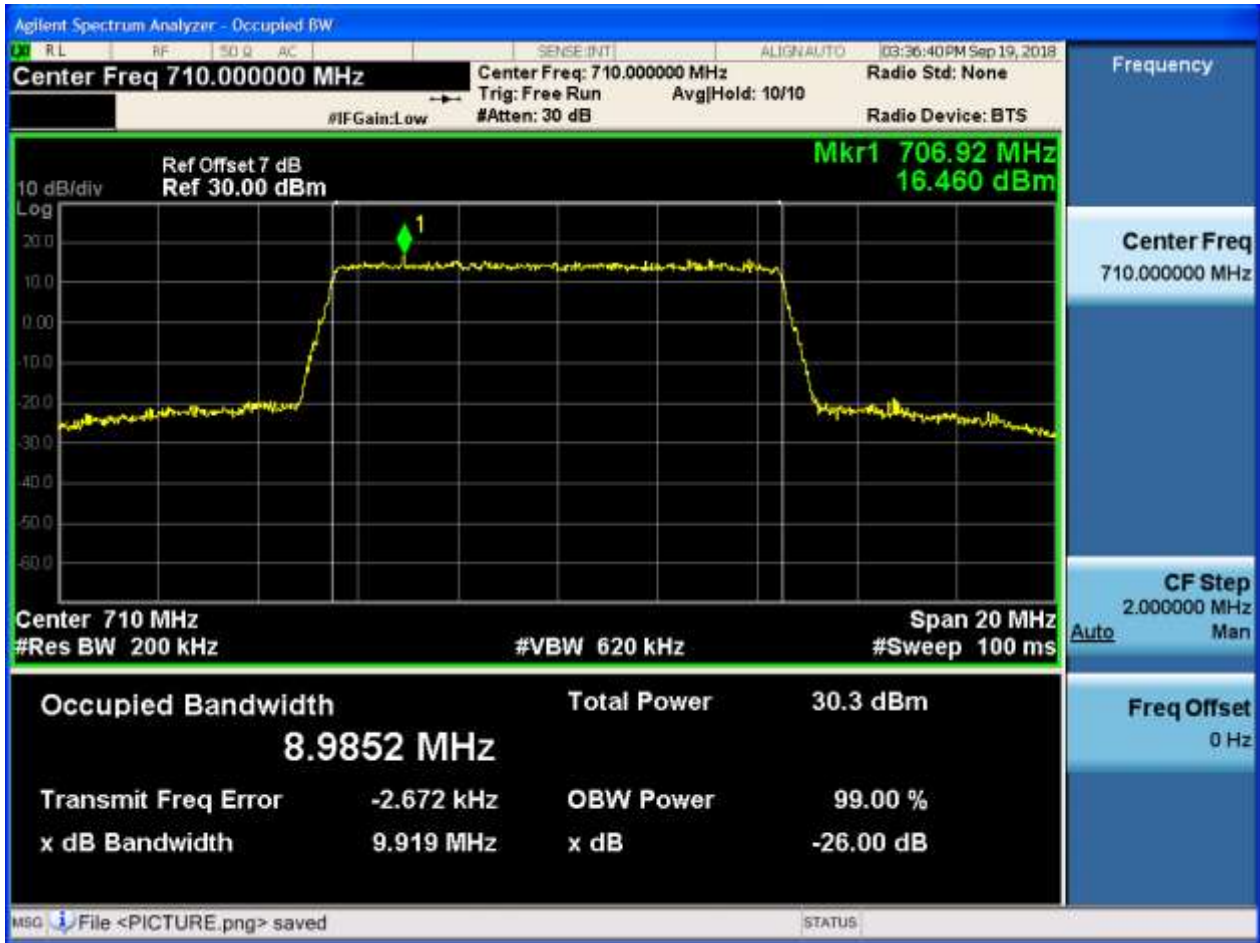
4.1.1.2.2.1 Test Channel = LCH

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





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





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.000 MHz
-30.374 dBm

Center 716.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

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





5.1.1.1.2.2.2 Test RB = RB1#49





5.1.1.1.2.2.3 Test RB = RB25#13





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



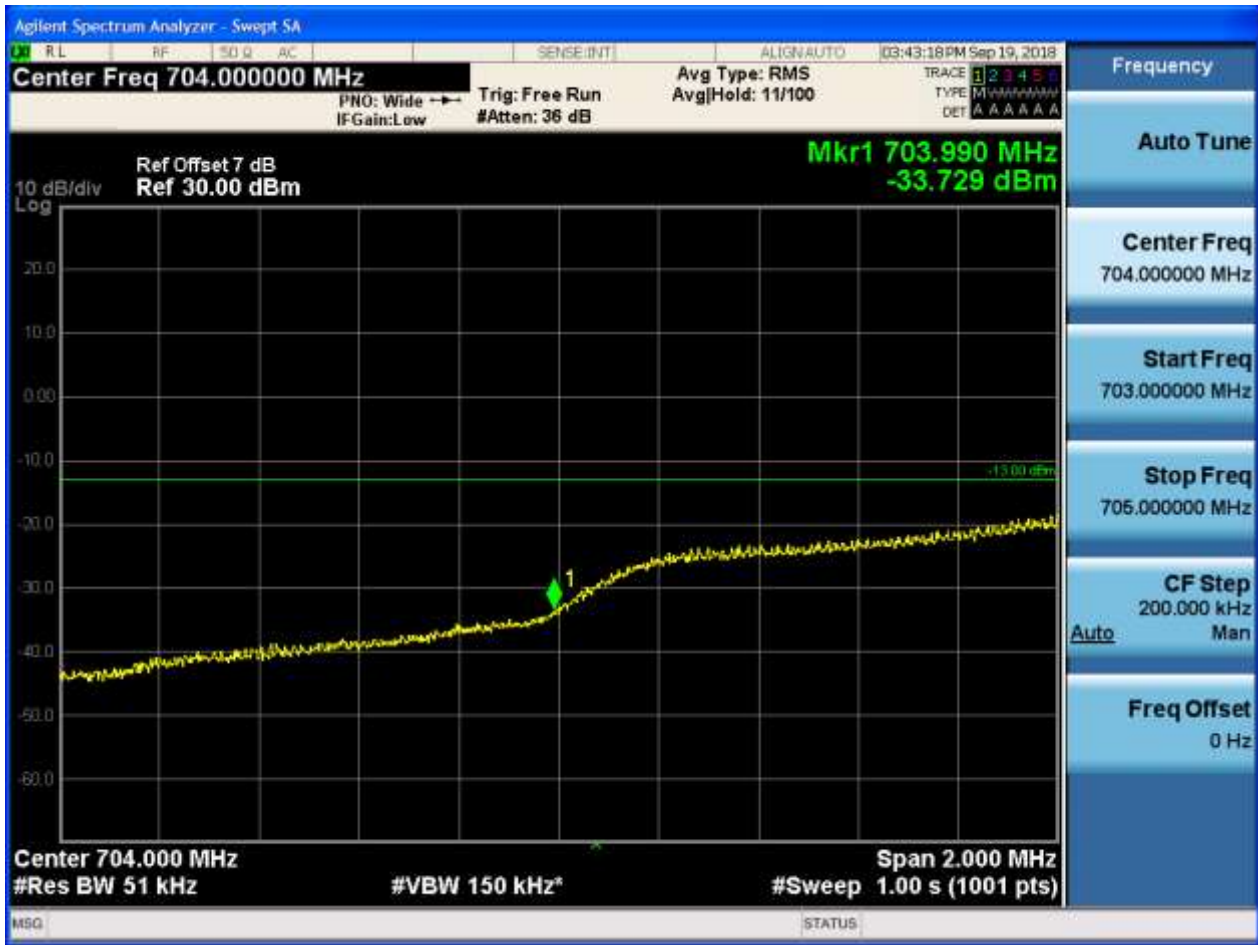


5.1.1.2.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6





5.1.1.2.1.1.4 Test RB = RB25#0



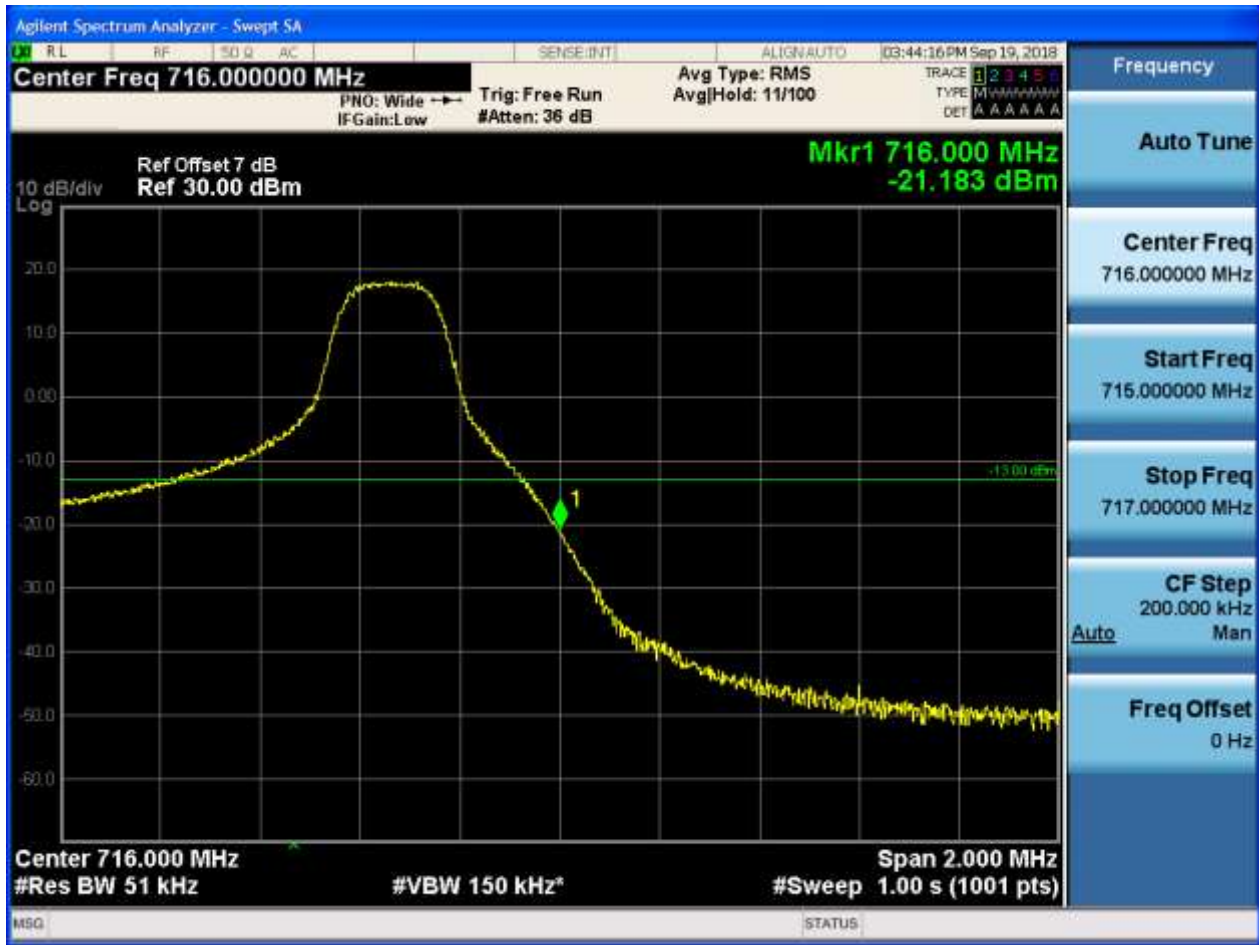
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#24





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 Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#49





5.1.1.2.2.3 Test RB = RB25#13





5.1.1.2.2.4 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

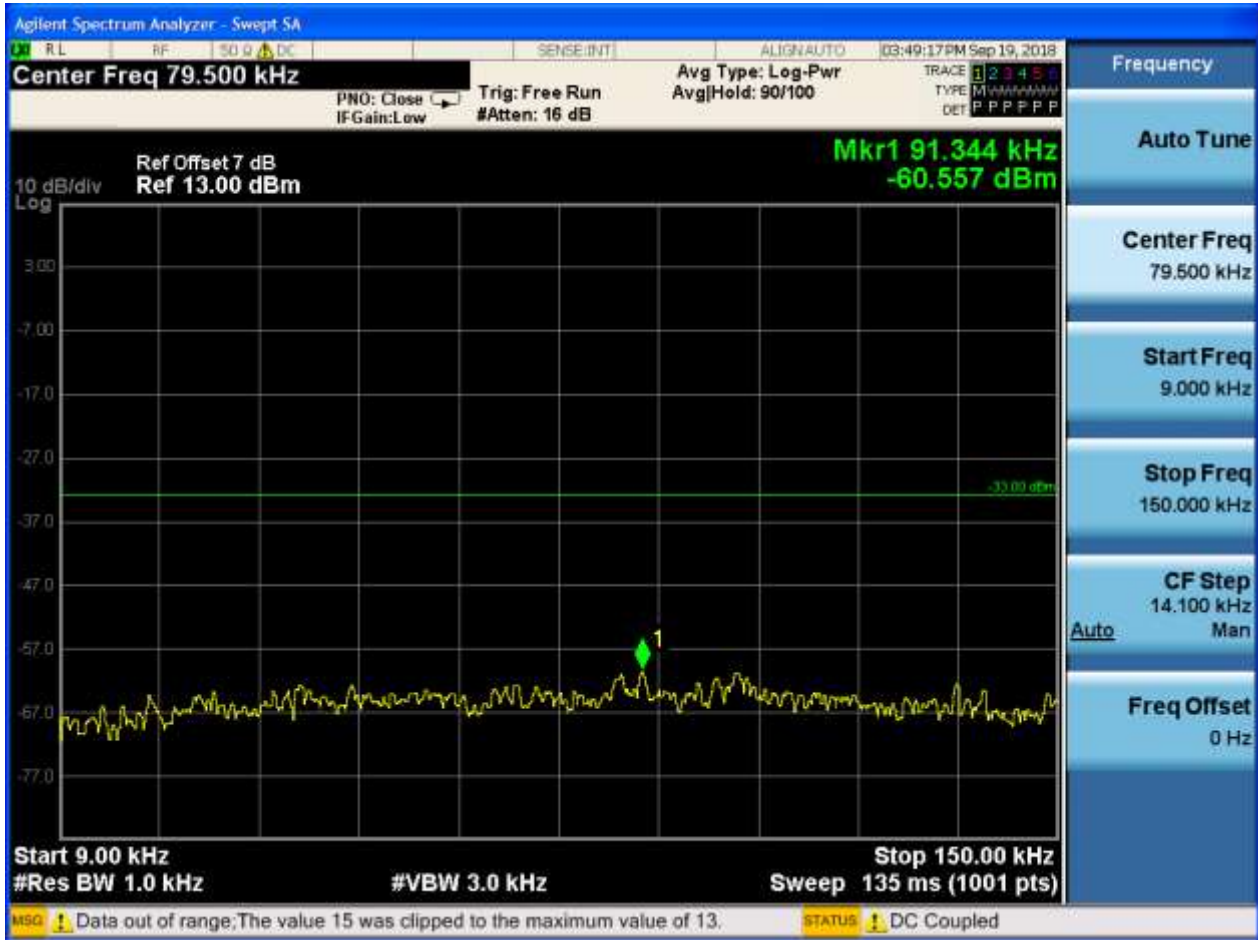
6.1.1 Test Band = BAND17

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



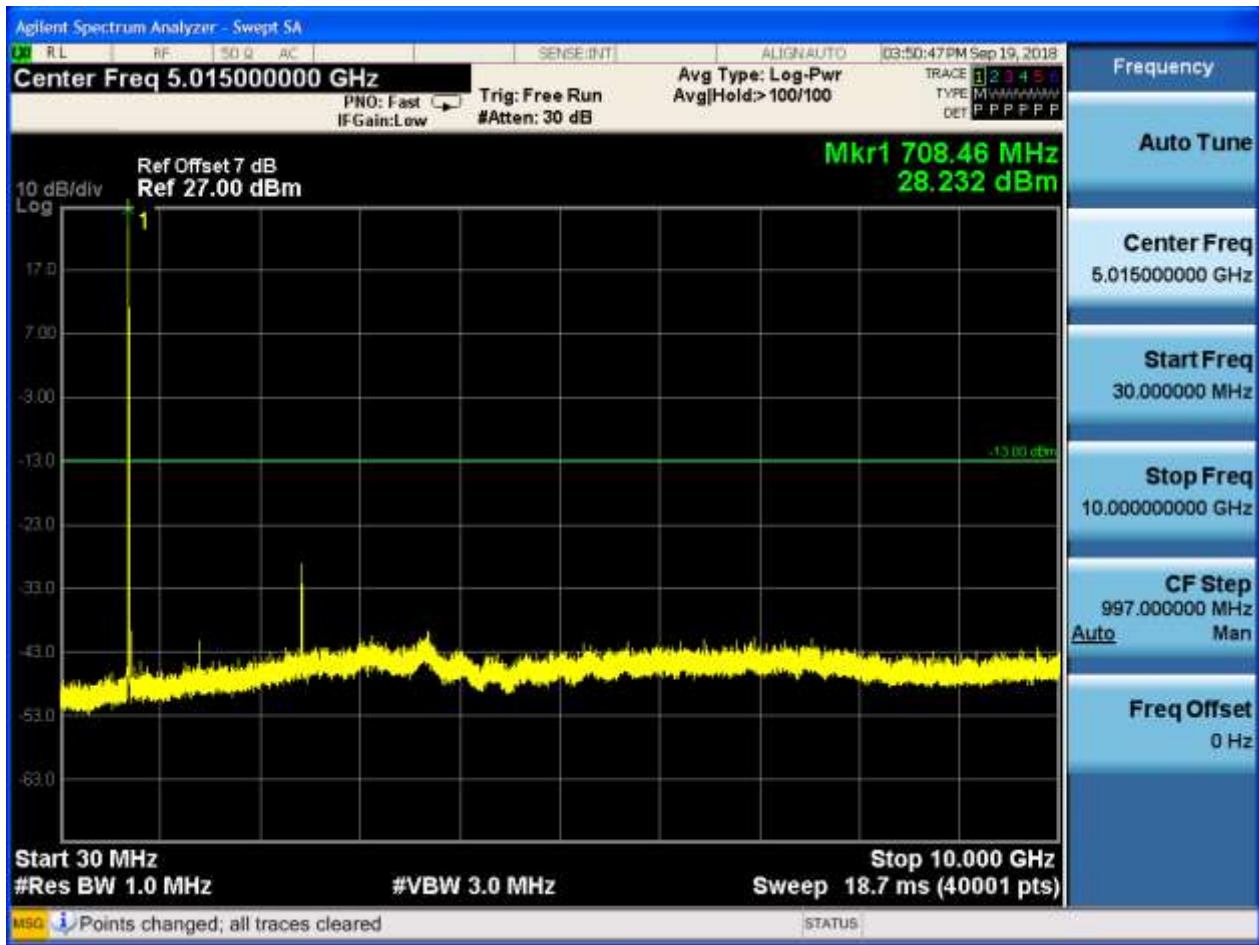


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

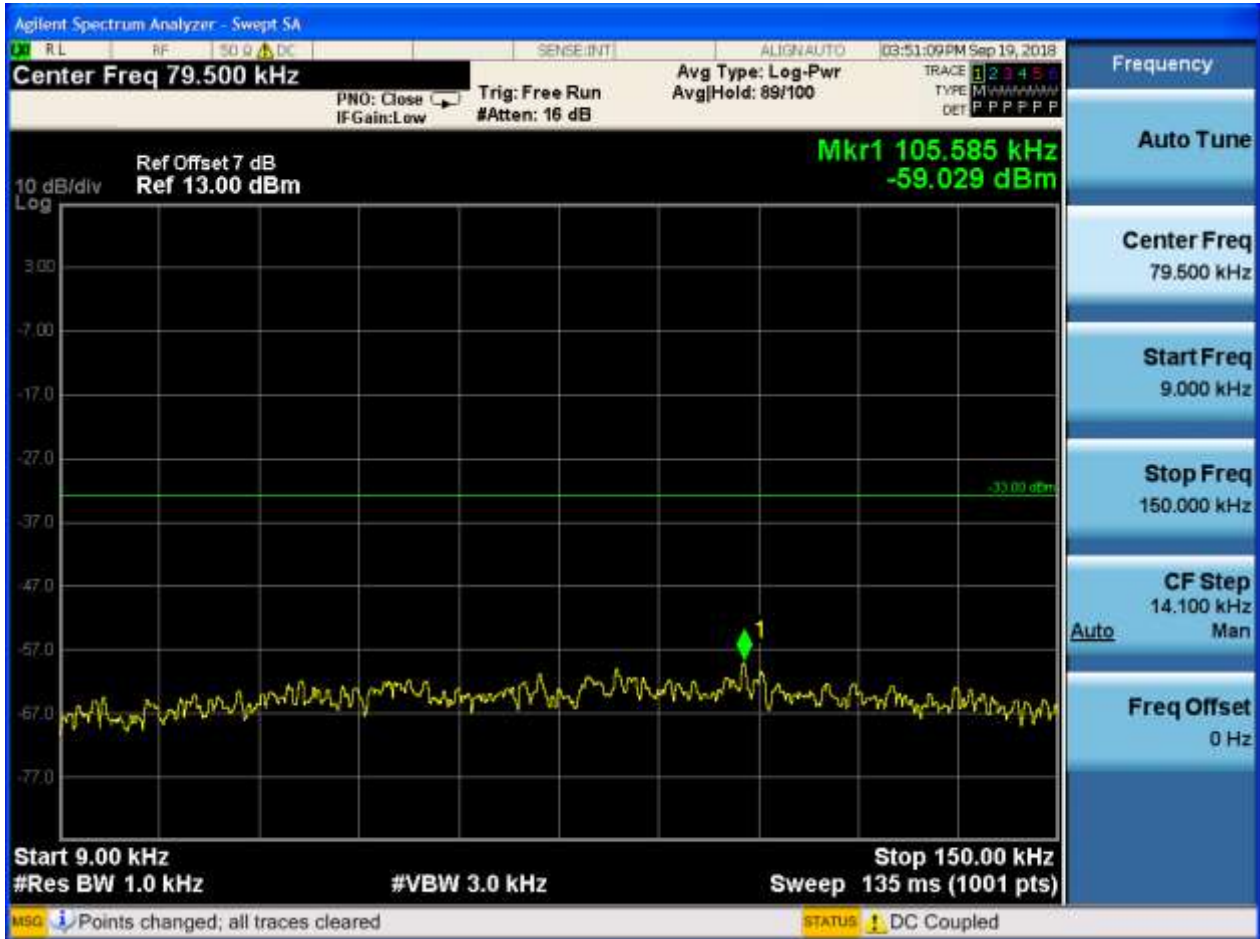




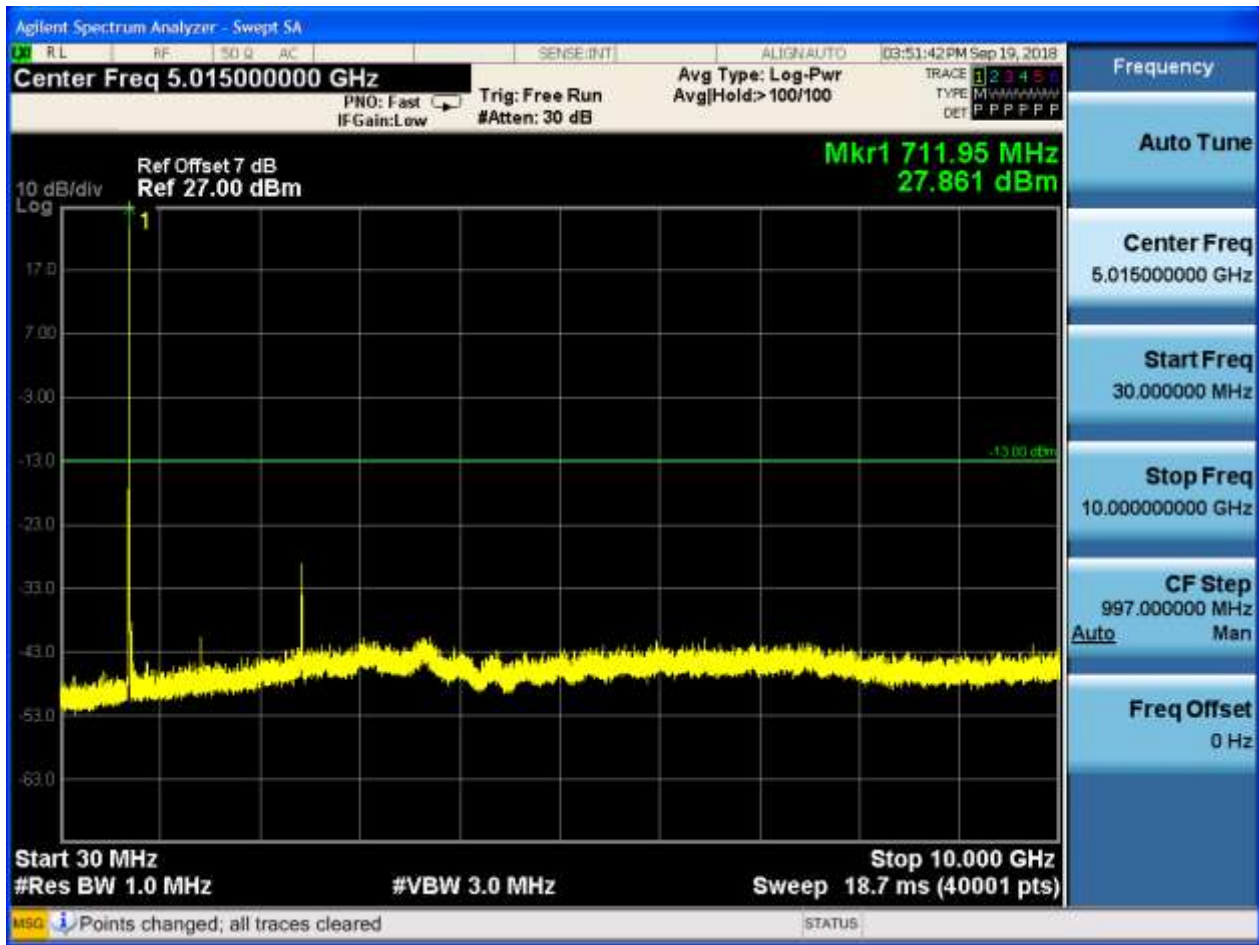


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





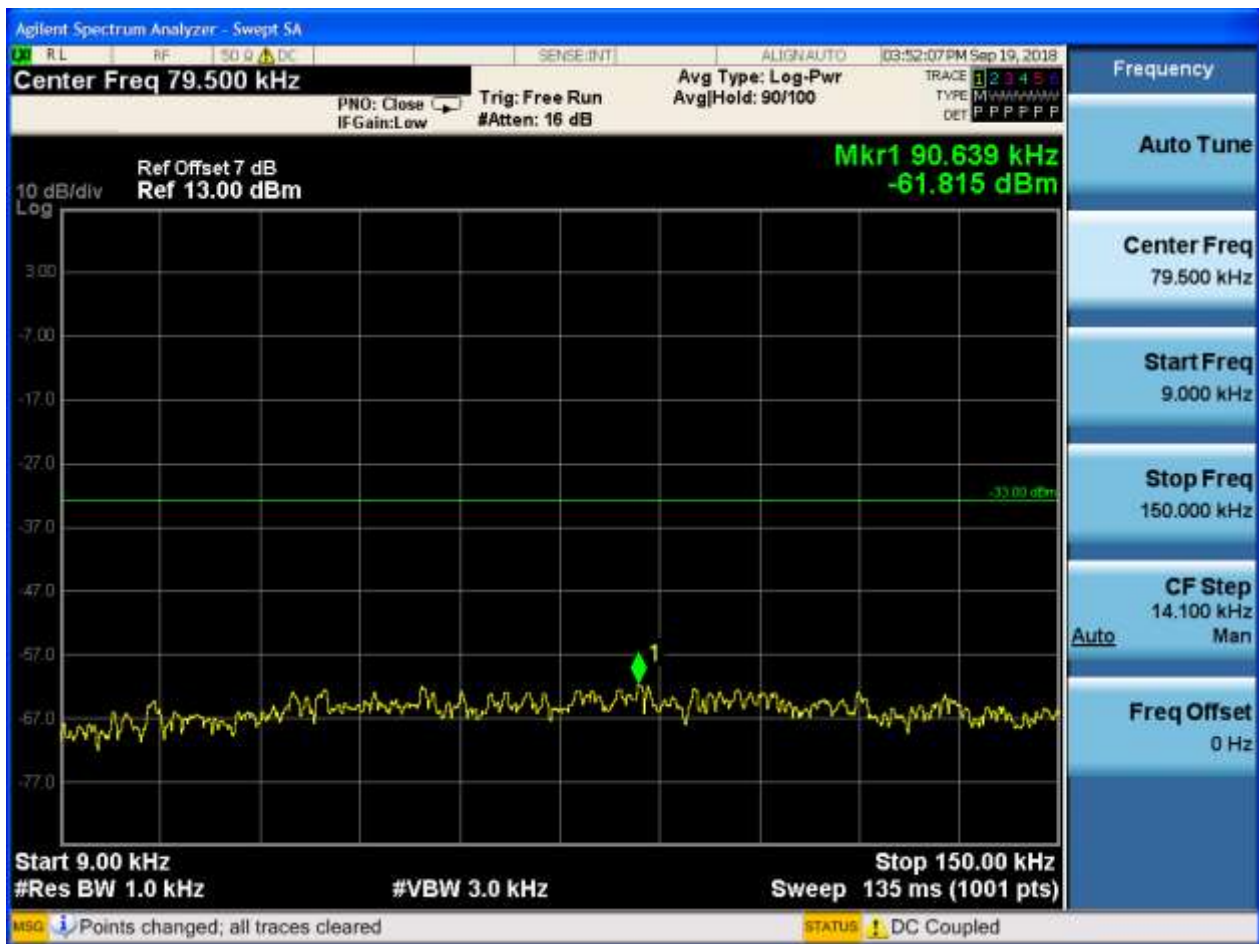




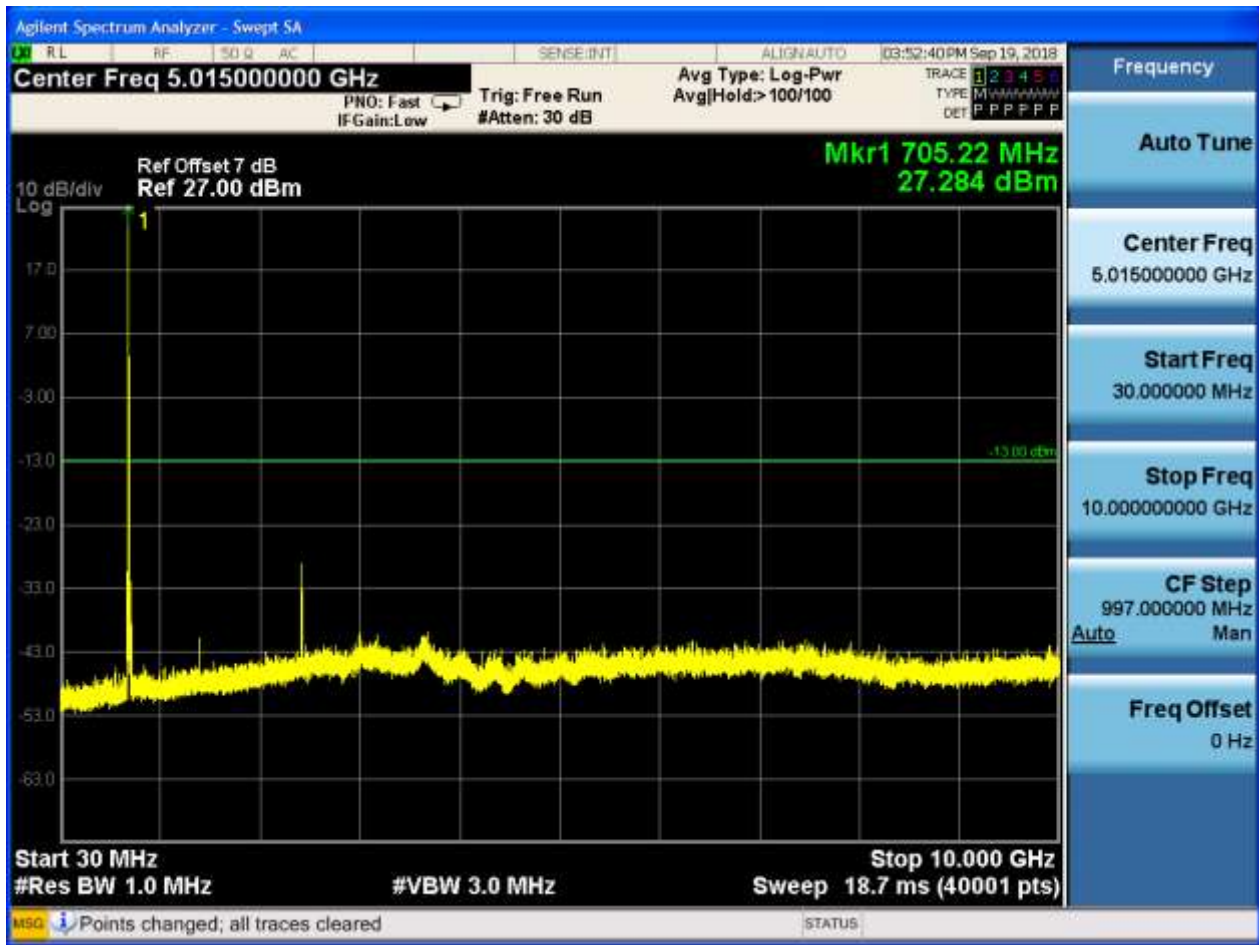
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



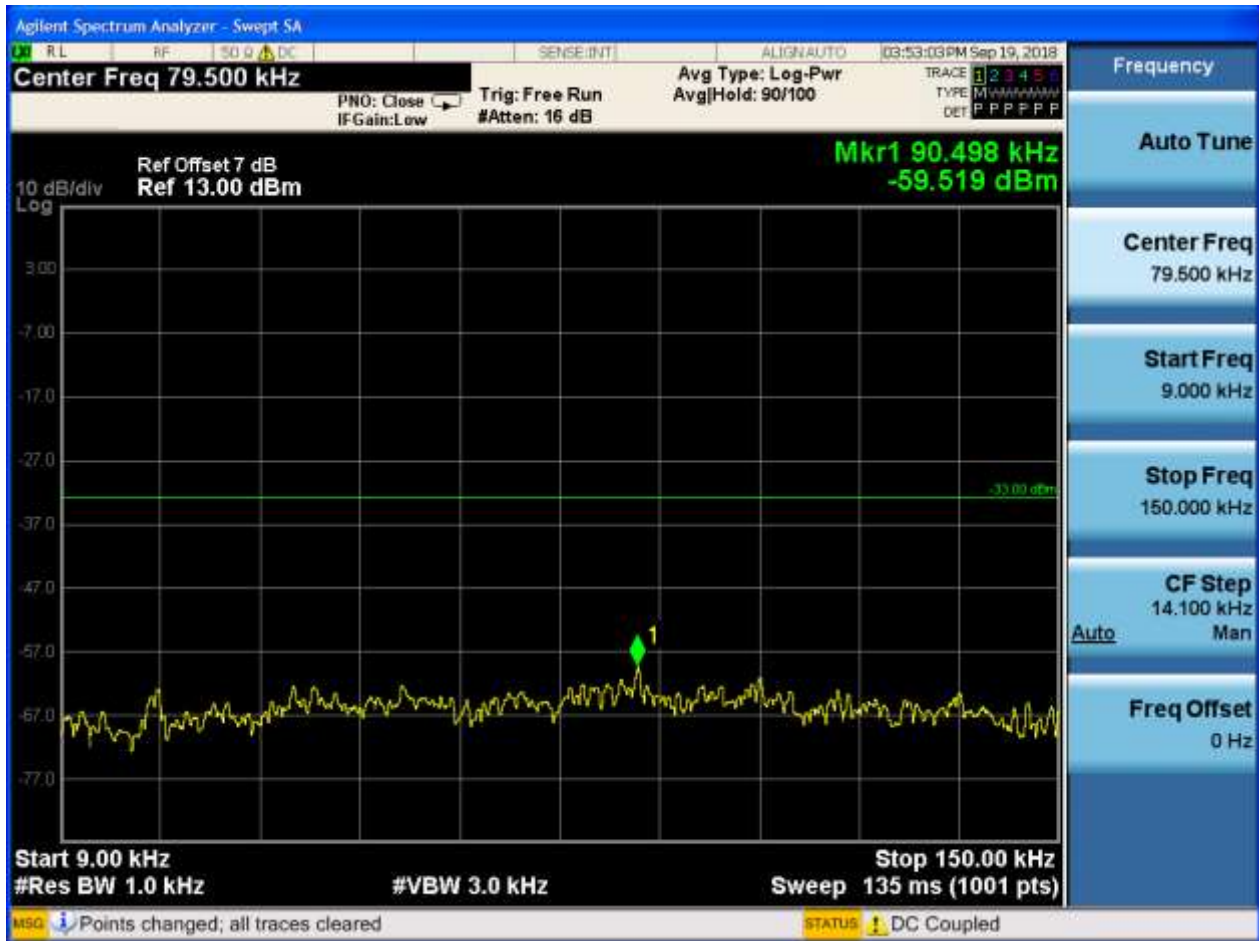






6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





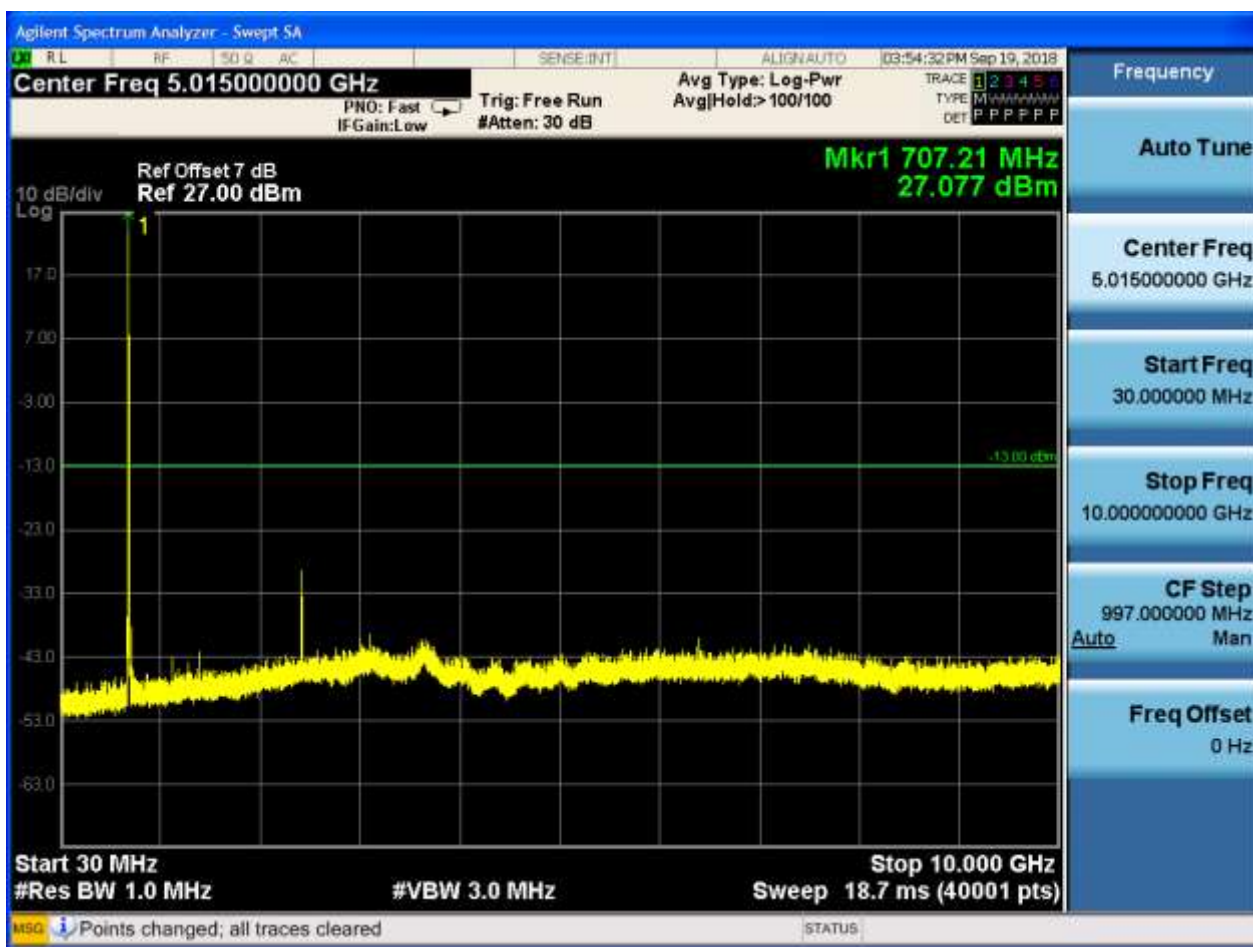


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







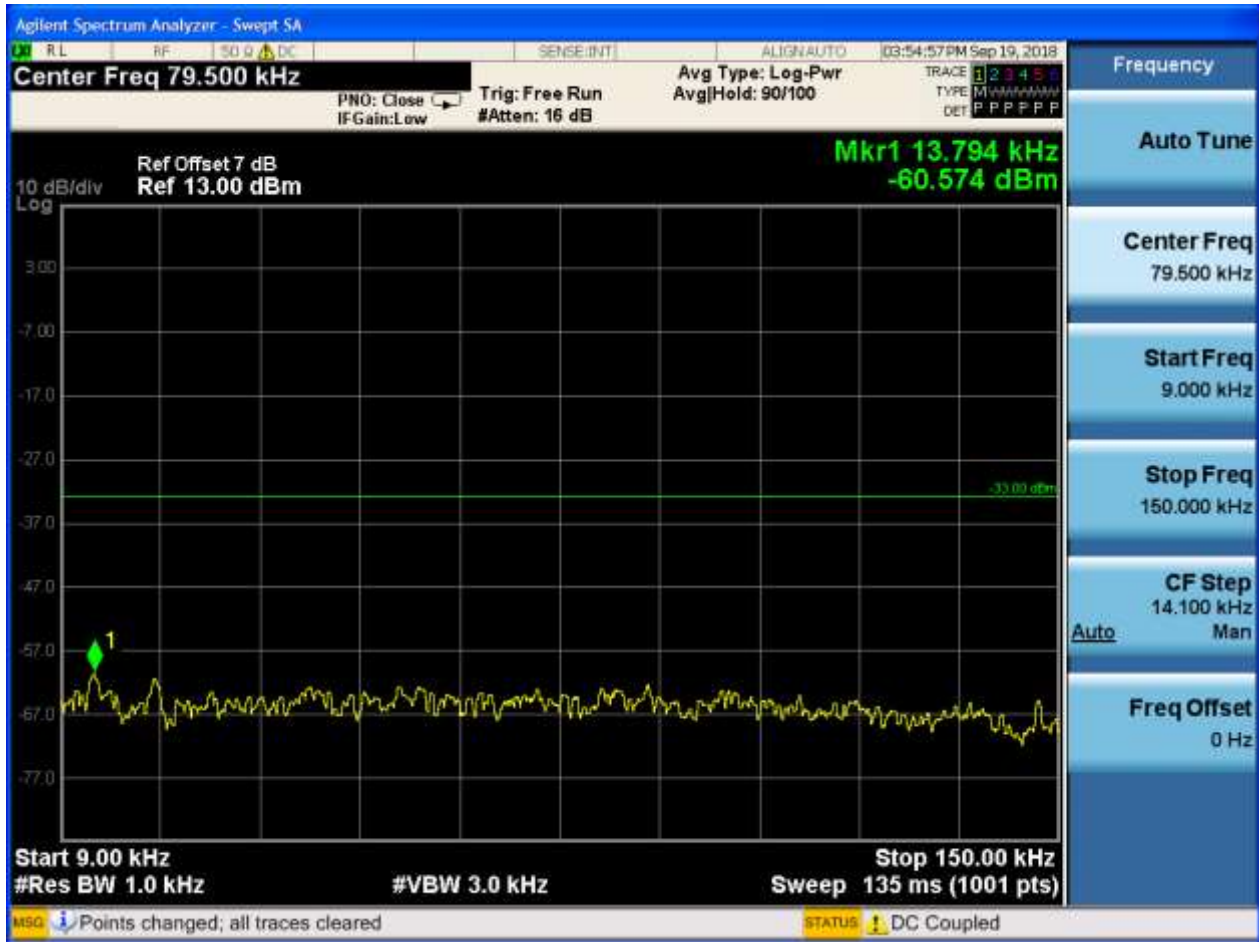


6.1.1.2 Test Mode = LTE/TM2

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

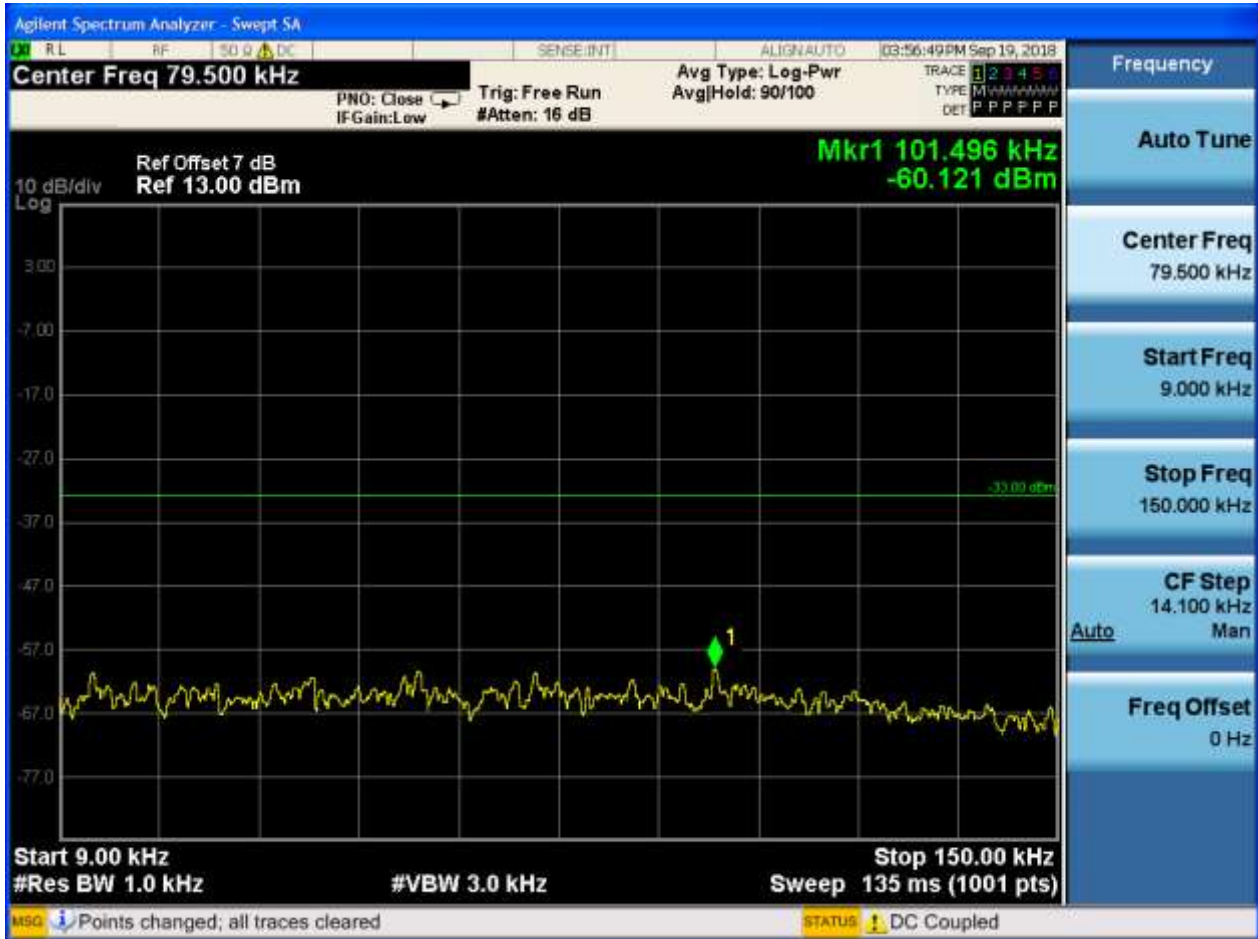


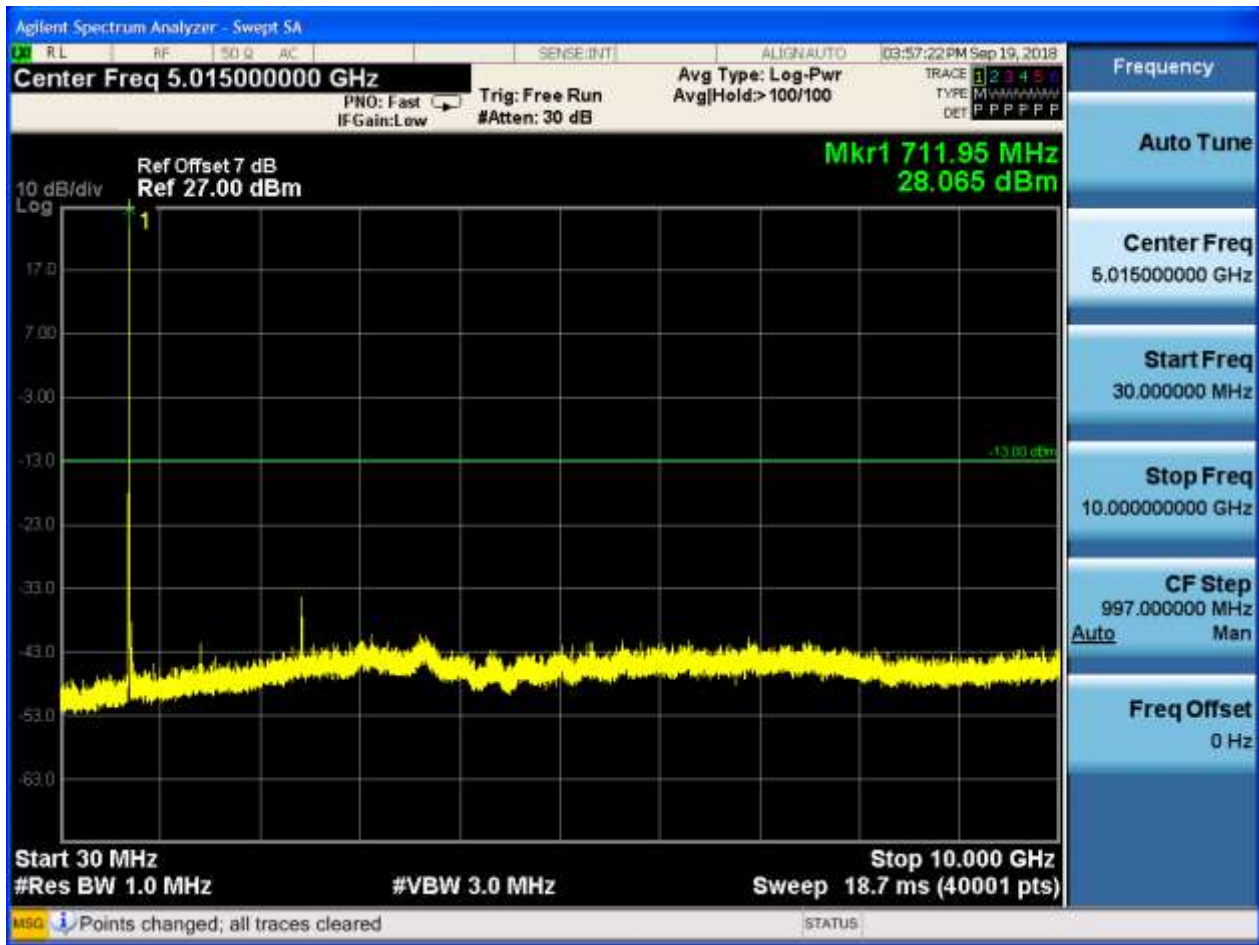




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



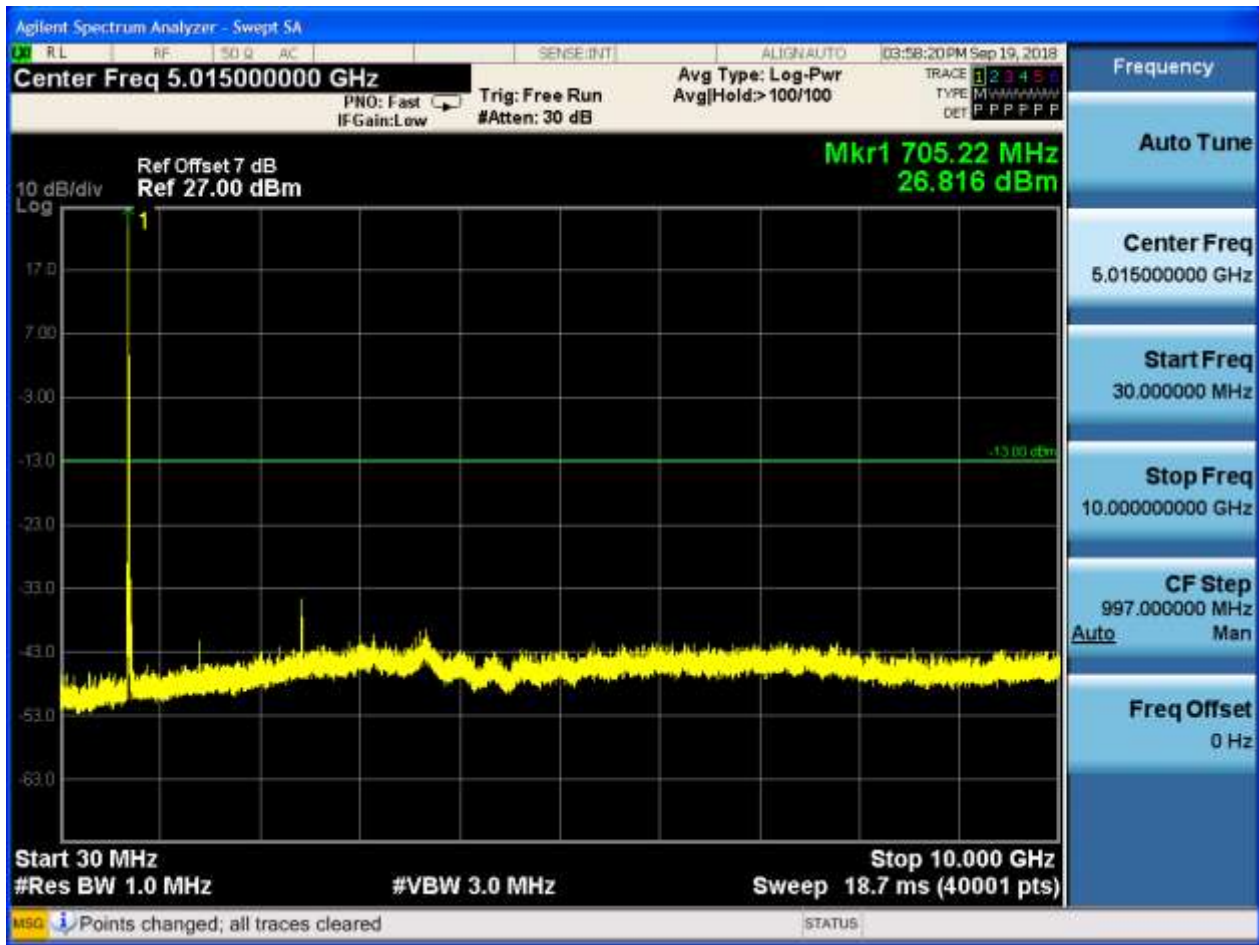


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

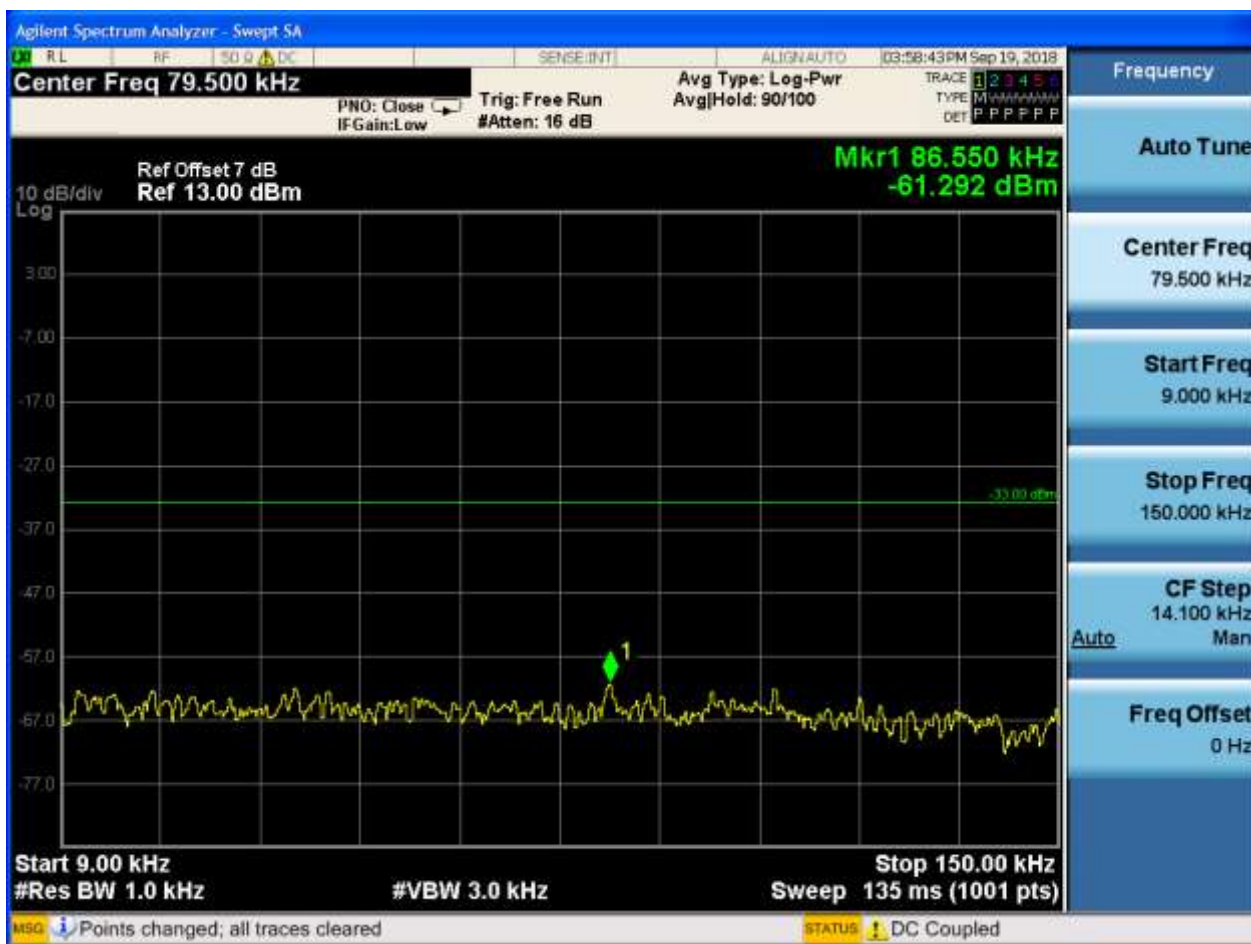




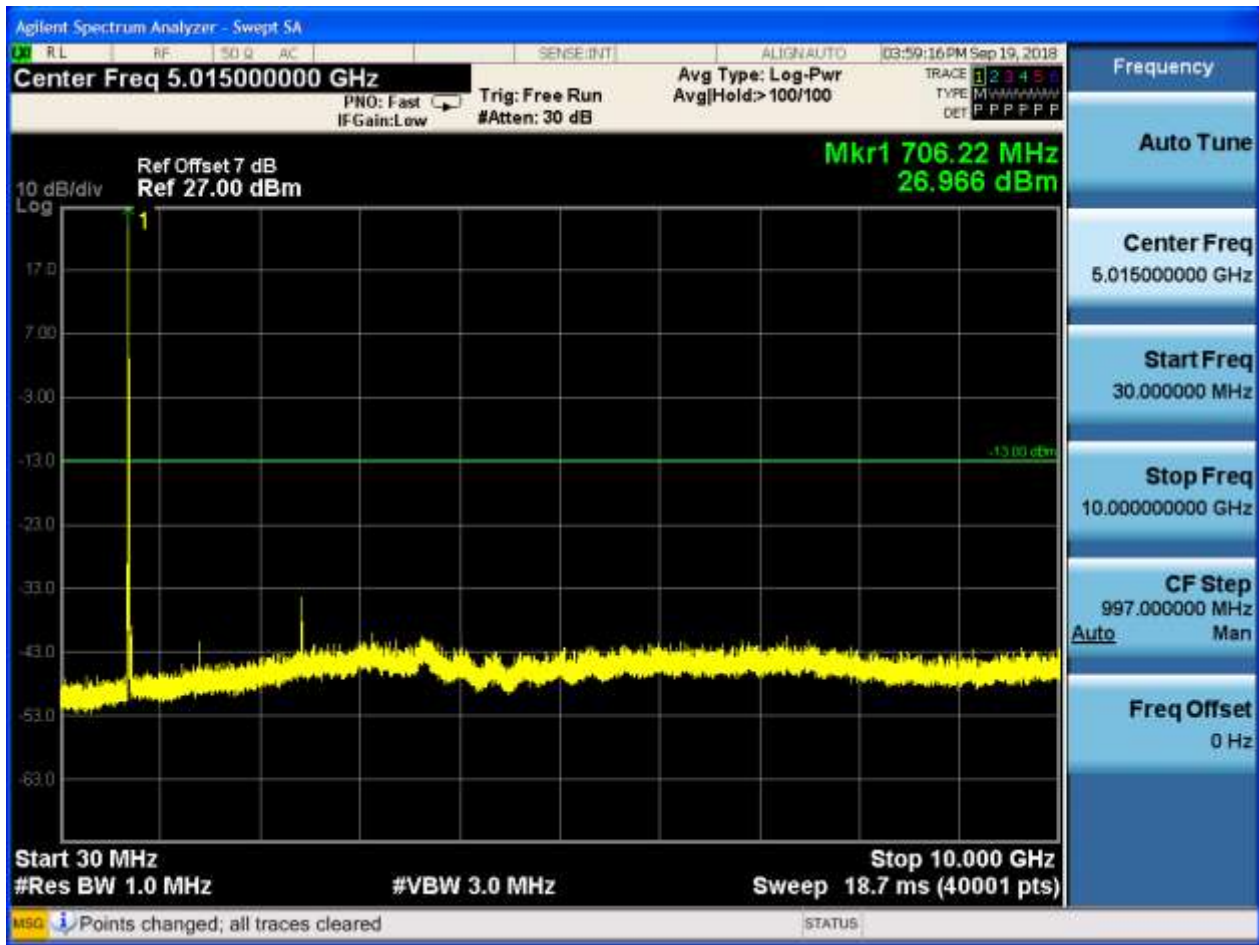


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0











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

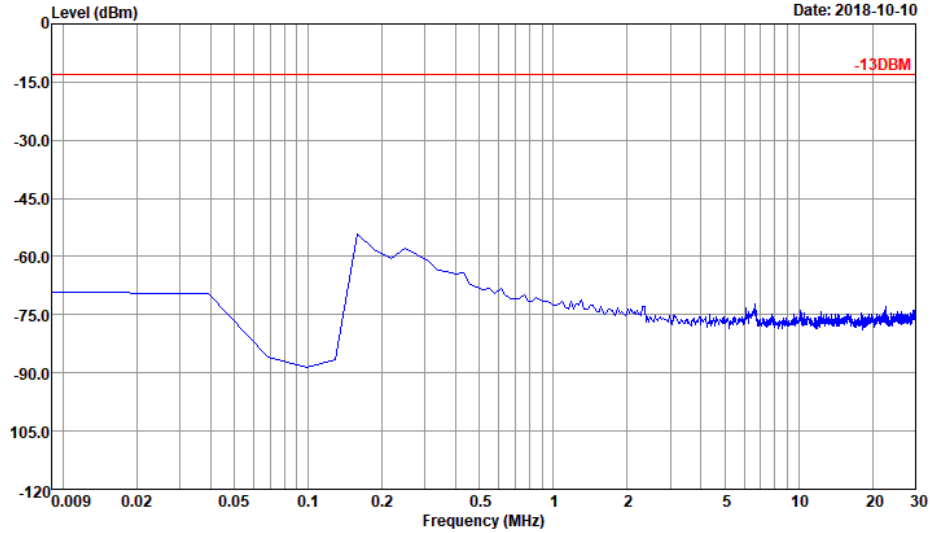
7.1.1 Test Band = BAND17

7.1.1.1 Test Bandwidth = 5



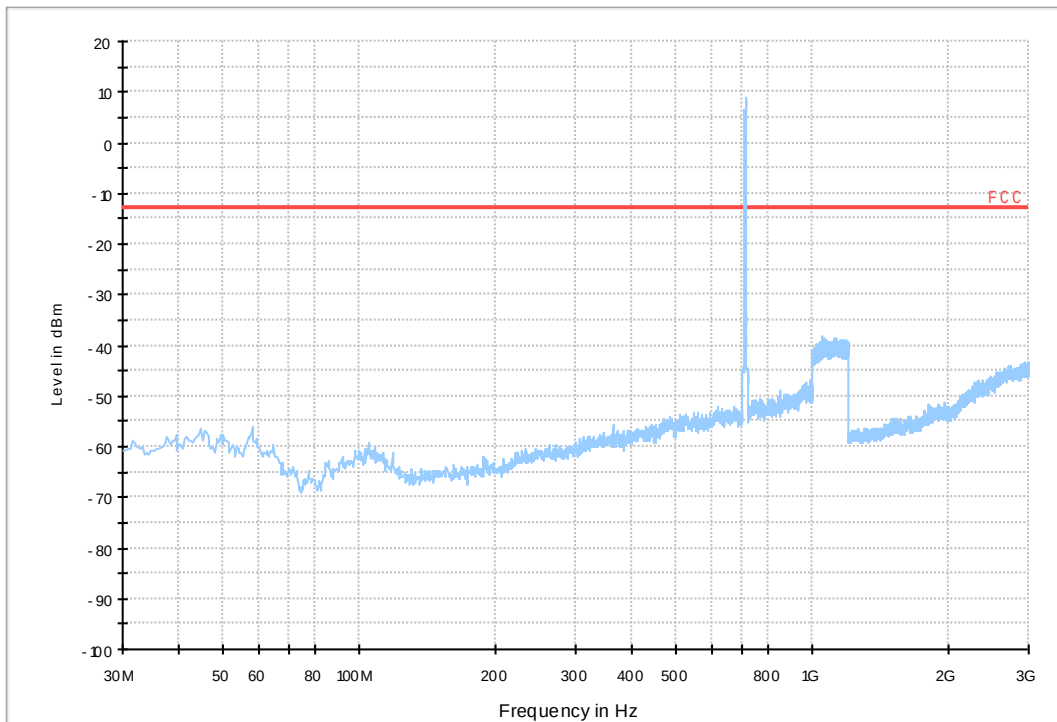
Data: 19

Date: 2018-10-10

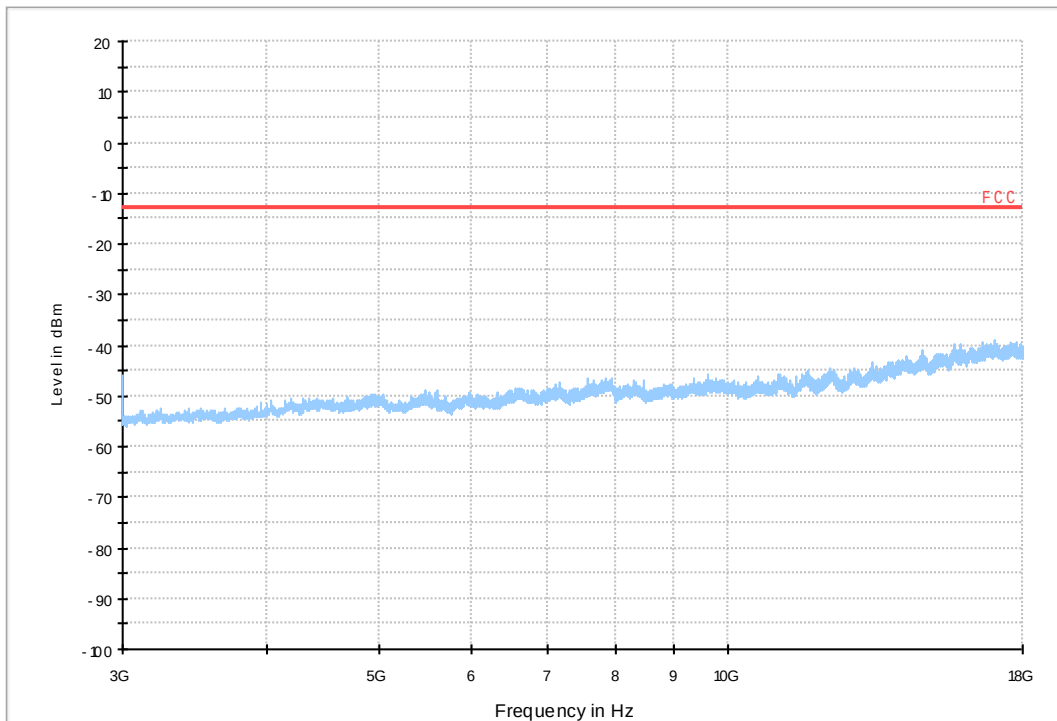


Site : 03CH01-SZ
Condition : -13DBM 9K-30M AMP NEUTRAL
: RBW:9.000KHz VBW:30.000KHz
: LTE B17 5M

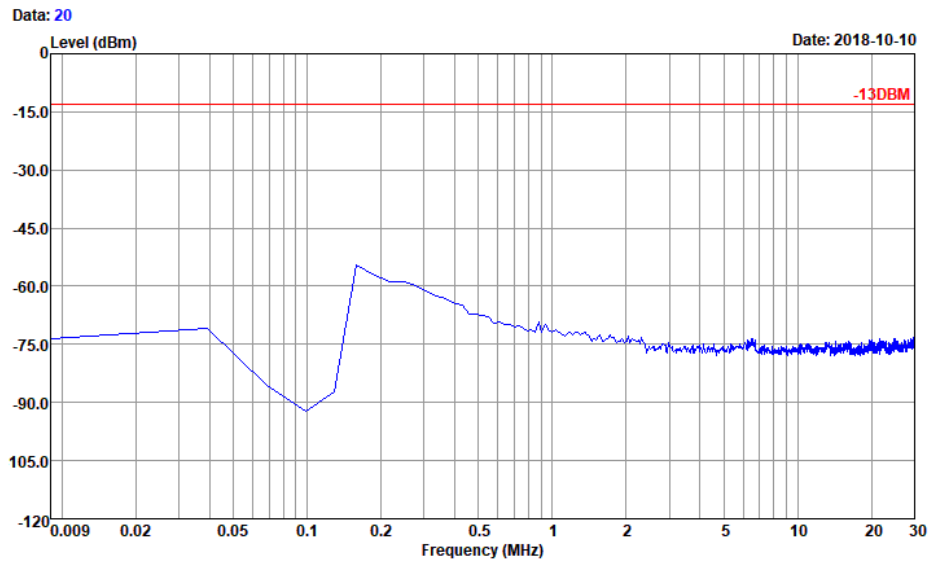
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

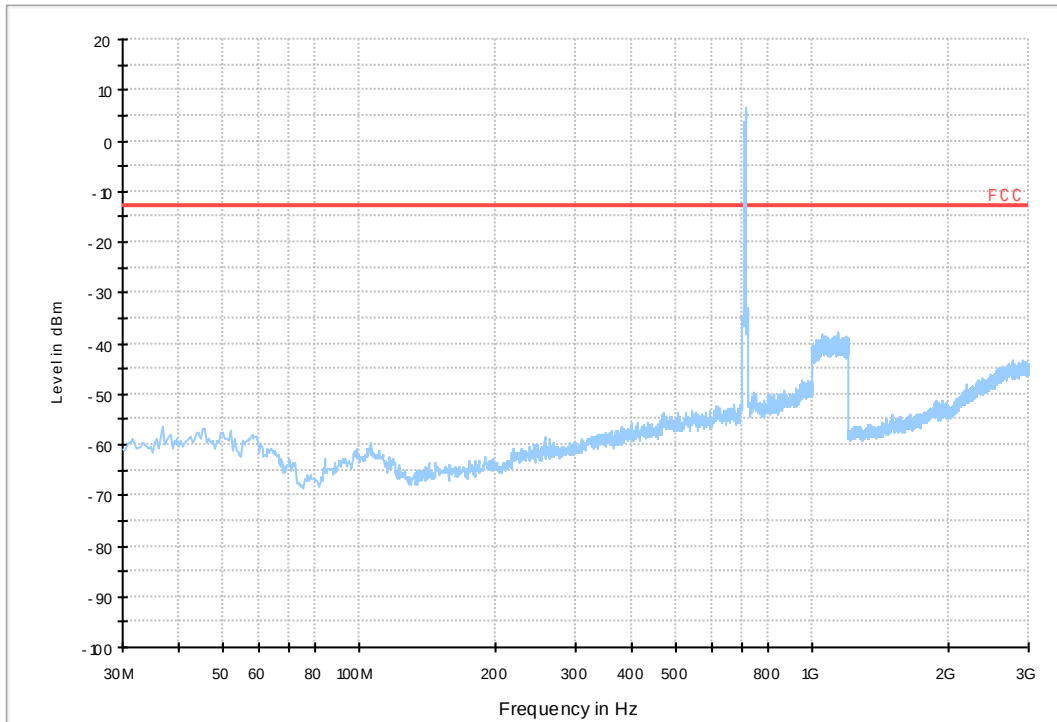


7.1.1.2 Test Bandwidth = 10

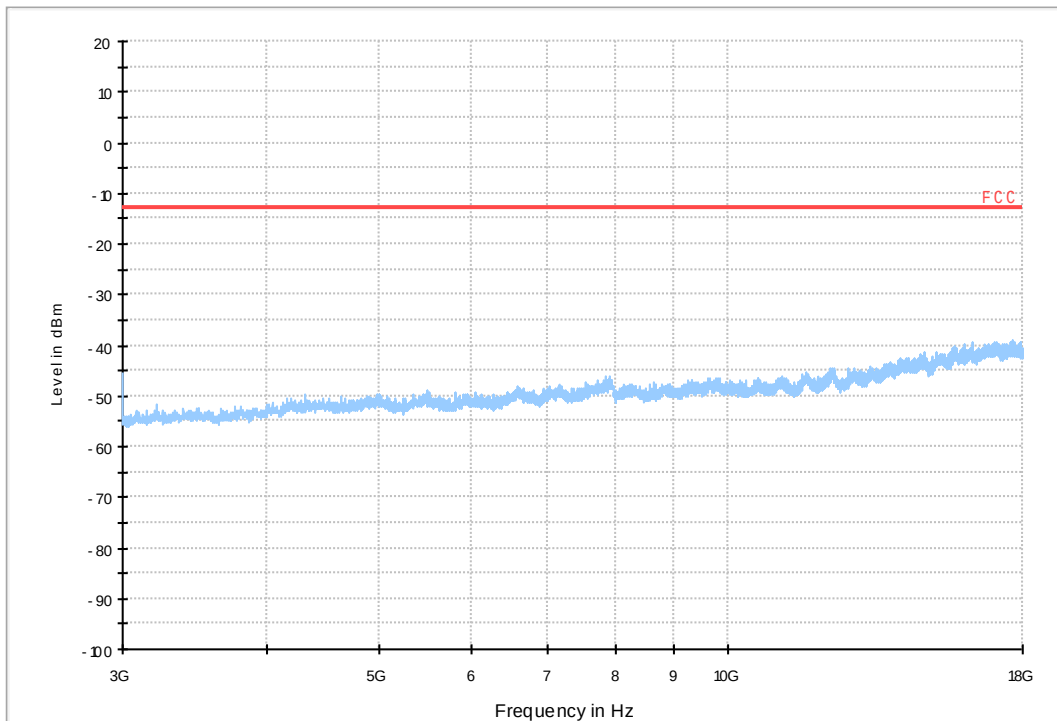


Site : 03CH01-SZ
Condition : -130dBm 9K-30M AMP NEUTRAL
: RBW:9.000KHz VBW:30.000KHz
: LTE B17 10M

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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
			HCH	TN	VH	1.80	0.00254	PASS
					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	-0.89	-0.00126	PASS
					0	-0.90	-0.00127	PASS
					10	-1.70	-0.0024	PASS
					20	0.59	0.00083	PASS
					30	-0.44	-0.00062	PASS
					40	-1.23	-0.00173	PASS
					50	-0.44	-0.00062	PASS
			MCH	VN	-30	-4.08	-0.00575	PASS
					-20	-2.22	-0.00313	PASS
					-10	-0.49	-0.00069	PASS
					0	-0.72	-0.00101	PASS
					10	-3.58	-0.00504	PASS
					20	-2.57	-0.00362	PASS
					30	1.50	0.00211	PASS
					40	0.49	0.00069	PASS
					50	-2.32	-0.00327	PASS
			HCH	VN	-30	-2.46	-0.00346	PASS
					-20	-0.01	-0.00001	PASS
					-10	2.56	0.0036	PASS
					0	0.40	0.00056	PASS
					10	2.40	0.00338	PASS
					20	-1.57	-0.00221	PASS
					30	1.87	0.00263	PASS
					40	1.26	0.00177	PASS
					50	-0.99	-0.00139	PASS
	LTE/TM2	5	LCH	VN	-30	3.83	0.00542	PASS
					-20	-2.82	-0.00399	PASS
					-10	0.19	0.00027	PASS
					0	0.86	0.00122	PASS
					10	2.43	0.00344	PASS
					20	-0.92	-0.0013	PASS
					30	-0.90	-0.00127	PASS
					40	1.65	0.00234	PASS
					50	5.18	0.00733	PASS
			MCH	VN	-30	-4.78	-0.00673	PASS
					-20	2.20	0.0031	PASS
					-10	-0.69	-0.00097	PASS
					0	-2.43	-0.00342	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
		10	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
					50	2.60	0.00367	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
					50	0.56	0.00079	PASS
			HCH	VN	-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



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