



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	22.5	19.09	34.7	PASS
				RB1#13	22.82	19.49	34.7	PASS
				RB1#24	23.07	19.66	34.7	PASS
				RB12#0	21.51	18.08	34.7	PASS
				RB12#6	21.68	18.17	34.7	PASS
				RB12#13	21.89	18.58	34.7	PASS
				RB25#0	21.69	18.19	34.7	PASS
			MCH	RB1#0	23.15	19.51	34.7	PASS
				RB1#13	23.36	19.98	34.7	PASS
				RB1#24	23.09	19.76	34.7	PASS
				RB12#0	22.54	18.93	34.7	PASS
				RB12#6	22.58	19.13	34.7	PASS
				RB12#13	22.21	18.71	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.29	18.83	34.7	PASS
			HCH	RB1#0	23.2	19.58	34.7	PASS
				RB1#13	22.47	18.91	34.7	PASS
				RB1#24	22.34	18.78	34.7	PASS
				RB12#0	22.15	18.78	34.7	PASS
				RB12#6	21.75	18.31	34.7	PASS
				RB12#13	21.18	17.61	34.7	PASS
				RB25#0	21.7	18.35	34.7	PASS
		10		LCH	RB1#0	22.64	19.28	34.7
			RB1#25		23.83	20.37	34.7	PASS
			RB1#49		22.51	19.25	34.7	PASS
			RB25#0		21.69	18.39	34.7	PASS
			RB25#13		22.01	18.46	34.7	PASS
			RB25#25		21.89	18.34	34.7	PASS
			RB50#0		21.85	18.24	34.7	PASS
			MCH		RB1#0	23.03	19.42	34.7
				RB1#25	23.99	20.62	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.6	19.08	34.7	PASS
				RB25#0	22.16	18.58	34.7	PASS
				RB25#13	22.39	18.76	34.7	PASS
				RB25#25	22.12	18.86	34.7	PASS
				RB50#0	22.16	18.62	34.7	PASS
			HCH	RB1#0	23.11	19.53	34.7	PASS
				RB1#25	23.97	20.47	34.7	PASS
				RB1#49	22.45	19.01	34.7	PASS
				RB25#0	22.28	18.80	34.7	PASS
				RB25#13	22.13	18.54	34.7	PASS
				RB25#25	21.82	18.27	34.7	PASS
				RB50#0	22	18.65	34.7	PASS
			LCH	RB1#0	21.41	17.90	34.7	PASS
				RB1#13	22.03	18.74	34.7	PASS
				RB1#24	22.11	18.77	34.7	PASS
RB12#0	20.17	16.91		34.7	PASS			
RB12#6	20.38	16.87		34.7	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	20.58	17.00	34.7	PASS
				RB25#0	20.4	17.09	34.7	PASS
			MCH	RB1#0	22.42	18.83	34.7	PASS
				RB1#13	22.66	19.41	34.7	PASS
				RB1#24	22.41	19.16	34.7	PASS
				RB12#0	21.3	18.04	34.7	PASS
				RB12#6	21.5	18.10	34.7	PASS
				RB12#13	20.99	17.35	34.7	PASS
				RB25#0	21.24	17.59	34.7	PASS
				HCH	RB1#0	22.55	18.93	34.7
			RB1#13		21.81	18.30	34.7	PASS
			RB1#24		21.7	18.37	34.7	PASS
			RB12#0		20.94	17.47	34.7	PASS
			RB12#6		20.58	16.99	34.7	PASS
			RB12#13		20.16	16.84	34.7	PASS
			RB25#0		20.57	17.07	34.7	PASS
		10	LCH	RB1#0	21.55	18.08	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.81	19.43	34.7	PASS
				RB1#49	21.41	17.88	34.7	PASS
				RB25#0	20.45	16.98	34.7	PASS
				RB25#13	20.9	17.56	34.7	PASS
				RB25#25	20.86	17.51	34.7	PASS
				RB50#0	20.76	17.16	34.7	PASS
			MCH	RB1#0	21.89	18.26	34.7	PASS
				RB1#25	22.95	19.46	34.7	PASS
				RB1#49	21.71	18.34	34.7	PASS
				RB25#0	20.89	17.28	34.7	PASS
				RB25#13	21.27	17.91	34.7	PASS
				RB25#25	21.1	17.55	34.7	PASS
				RB50#0	21.06	17.49	34.7	PASS
			HCH	RB1#0	22.23	18.83	34.7	PASS
				RB1#25	22.94	19.64	34.7	PASS
				RB1#49	21.73	18.25	34.7	PASS
				RB25#0	20.98	17.59	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.11	17.63	34.7	PASS
				RB25#25	20.7	17.38	34.7	PASS
				RB50#0	20.9	17.40	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:

$$\text{SET Span} = 1.5 * \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

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

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	4.41	13	PASS
				RB1#13	3.83	13	PASS
				RB1#24	3.46	13	PASS
				RB12#0	5.03	13	PASS
				RB12#6	4.79	13	PASS
				RB12#13	4.91	13	PASS
			RB25#0	5.71	13	PASS	
			MCH	RB1#0	3.59	13	PASS
				RB1#13	3.15	13	PASS
				RB1#24	3.89	13	PASS
				RB12#0	4.4	13	PASS
				RB12#6	4.06	13	PASS
		RB12#13		4.83	13	PASS	
		RB25#0	5.02	13	PASS		
		HCH	RB1#0	3.48	13	PASS	
			RB1#13	4.59	13	PASS	
			RB1#24	4.03	13	PASS	
			RB12#0	4.93	13	PASS	
			RB12#6	5.19	13	PASS	
			RB12#13	5.34	13	PASS	
		RB25#0	5.56	13	PASS		
		10	LCH	RB1#0	4.38	13	PASS
				RB1#25	2.74	13	PASS
				RB1#49	4.5	13	PASS
RB25#0	5.32			13	PASS		
RB25#13	4.66			13	PASS		
RB25#25	5.04			13	PASS		
RB50#0	5.74		13	PASS			
MCH	RB1#0		3.81	13	PASS		
	RB1#25		2.74	13	PASS		
	RB1#49	4.48	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	4.99	13	PASS
				RB25#13	4.65	13	PASS
				RB25#25	5.19	13	PASS
				RB50#0	5.49	13	PASS
			HCH	RB1#0	3.75	13	PASS
				RB1#25	2.87	13	PASS
				RB1#49	4.18	13	PASS
				RB25#0	4.7	13	PASS
				RB25#13	4.88	13	PASS
				RB25#25	5.39	13	PASS
				RB50#0	5.45	13	PASS
			LCH	RB1#0	5.15	13	PASS
				RB1#13	4.61	13	PASS
				RB1#24	4.21	13	PASS
				RB12#0	5.91	13	PASS
	RB12#6	5.82		13	PASS		
	RB12#13	5.87		13	PASS		
	RB25#0	6.48		13	PASS		
	MCH	RB1#0		4.42	13	PASS	
		RB1#13		3.99	13	PASS	
		RB1#24		4.6	13	PASS	
		RB12#0		5.51	13	PASS	
		RB12#6		5.1	13	PASS	
		RB12#13		5.85	13	PASS	
		RB25#0		6.06	13	PASS	
	HCH	RB1#0		3.91	13	PASS	
		RB1#13	5.12	13	PASS		
		RB1#24	4.63	13	PASS		
		RB12#0	5.98	13	PASS		
		RB12#6	6.3	13	PASS		
RB12#13		6.32	13	PASS			
RB25#0		6.57	13	PASS			
LCH	RB1#0	5.11	13	PASS			
	RB1#25	3.66	13	PASS			
	RB1#49	5.44	13	PASS			
	RB25#0	6.28	13	PASS			
	RB25#13	5.65	13	PASS			
	RB25#25	5.99	13	PASS			
	RB50#0	6.65	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.92	13	PASS
				RB1#25	3.75	13	PASS
				RB1#49	5.59	13	PASS
				RB25#0	6.16	13	PASS
				RB25#13	5.57	13	PASS
				RB25#25	6.14	13	PASS
				RB50#0	6.49	13	PASS
			HCH	RB1#0	4.44	13	PASS
				RB1#25	3.59	13	PASS
				RB1#49	4.75	13	PASS
				RB25#0	5.78	13	PASS
				RB25#13	5.79	13	PASS
				RB25#25	6.37	13	PASS
				RB50#0	6.36	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

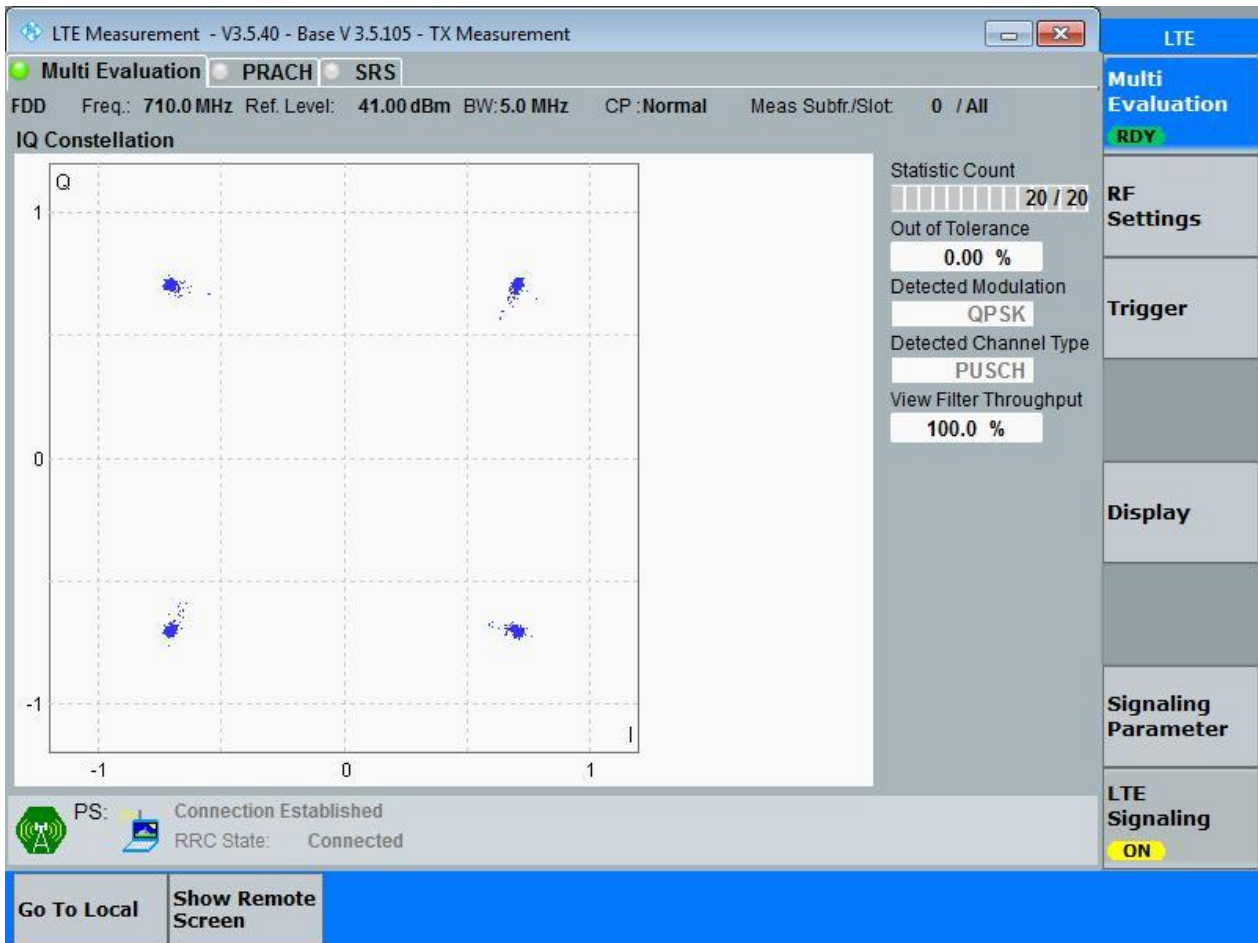
3.1.1 Test Band = BAND17

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

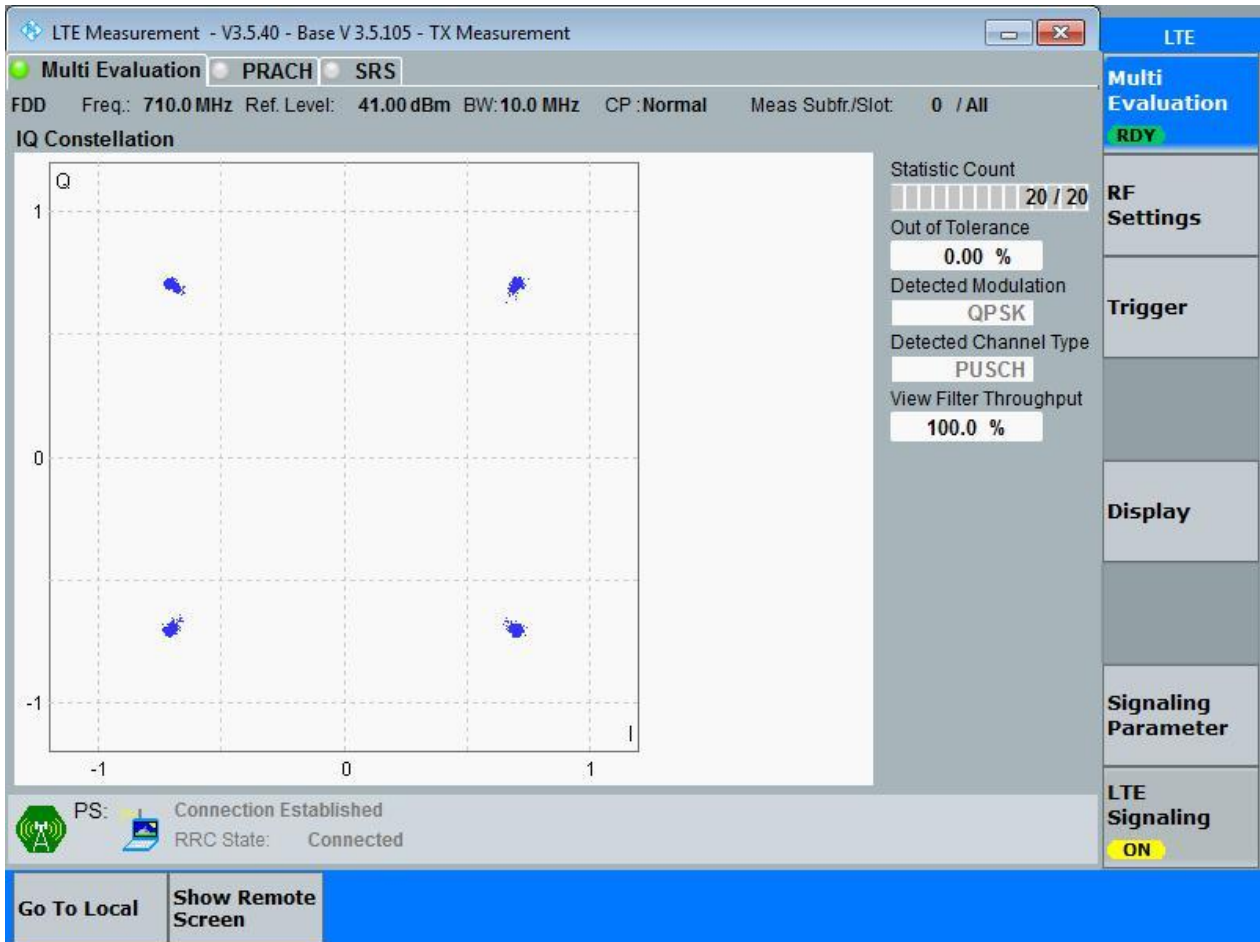
3.1.1.1.1.1.1 Test RB = RB25#0



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

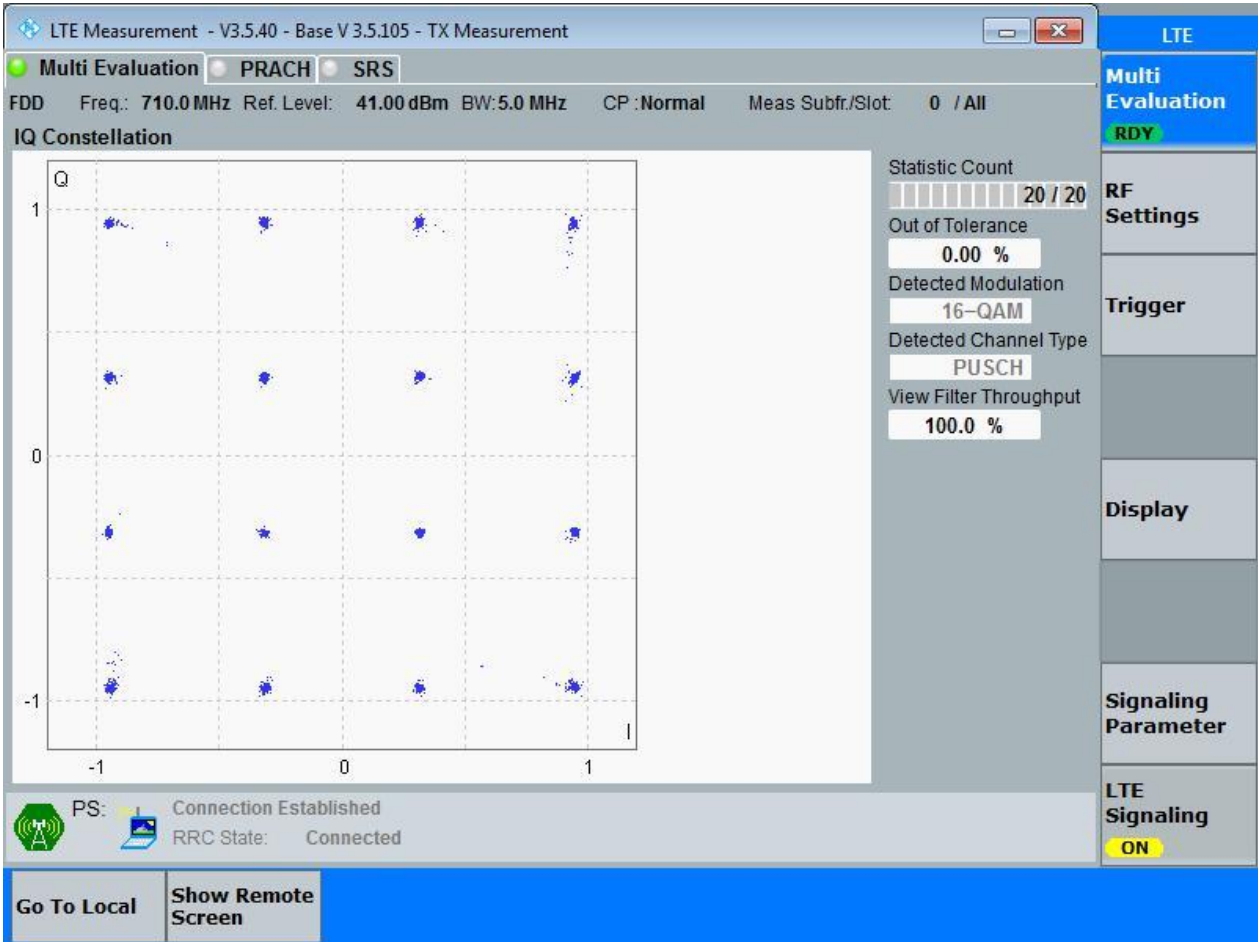


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

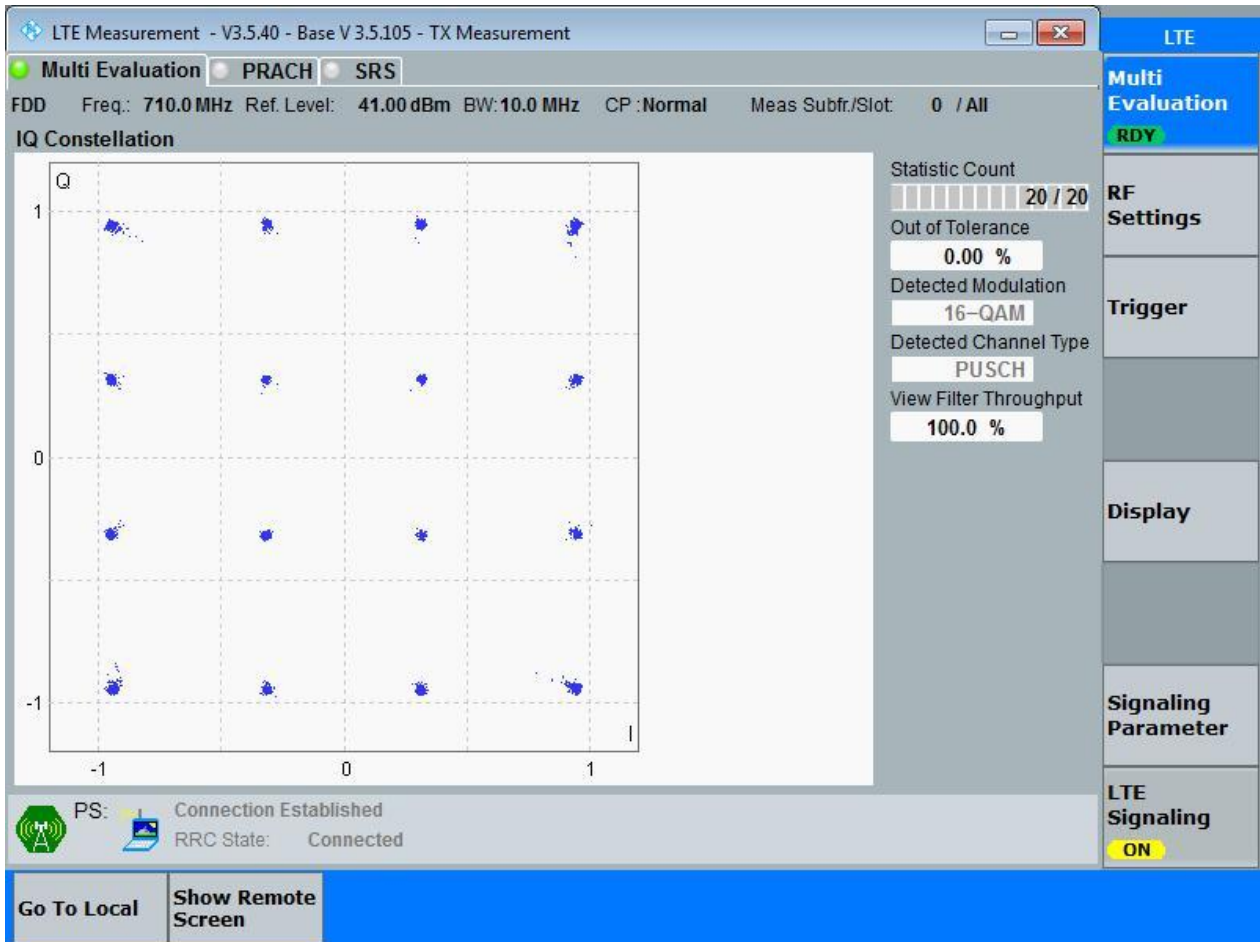
3.1.1.2.1.1.1 Test RB = RB25#0



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	4.53	4.98	Pass
			MCH	RB25#0	4.51	4.95	Pass
			HCH	RB25#0	4.49	4.93	Pass
		10	LCH	RB50#0	9.00	9.87	Pass
			MCH	RB50#0	8.95	9.84	Pass
			HCH	RB50#0	8.94	9.78	Pass
	LTE/TM2	5	LCH	RB25#0	4.52	4.97	Pass
			MCH	RB25#0	4.52	4.96	Pass
			HCH	RB25#0	4.49	4.96	Pass
		10	LCH	RB50#0	8.98	9.90	Pass
			MCH	RB50#0	8.95	9.80	Pass
			HCH	RB50#0	8.94	9.82	Pass



Part II - Test Plots

4.1 For LTE

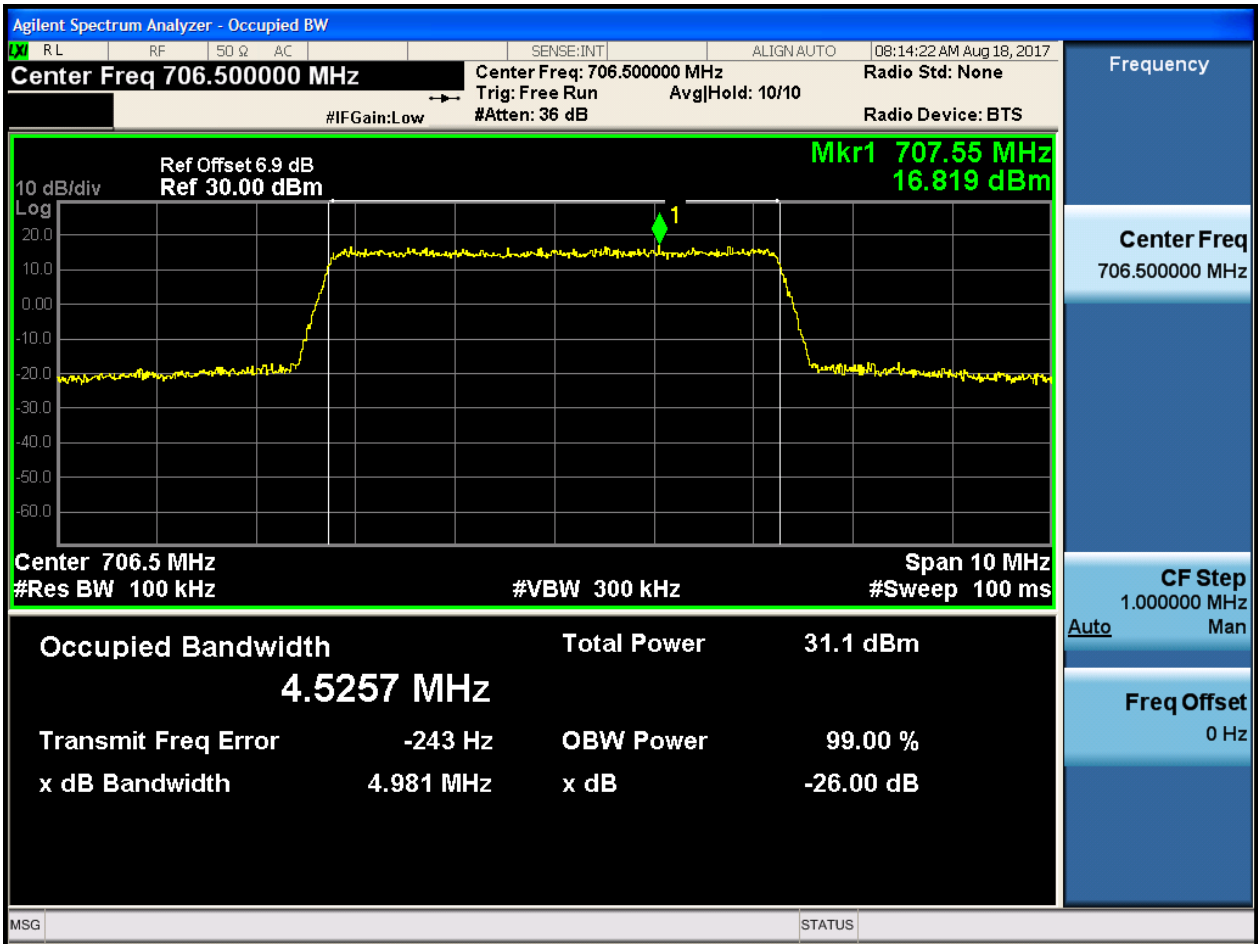
4.1.1 Test Band = BAND17

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

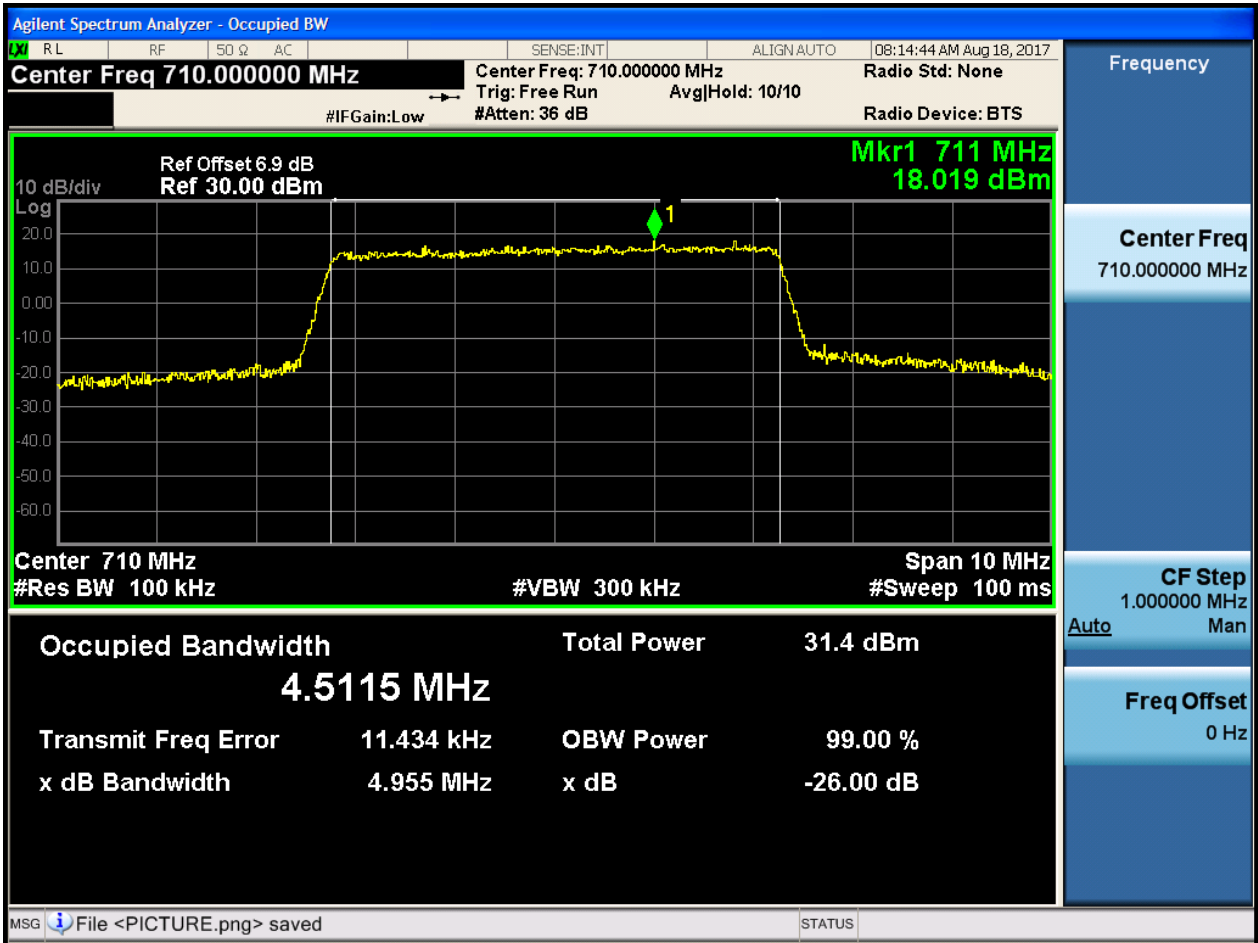
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

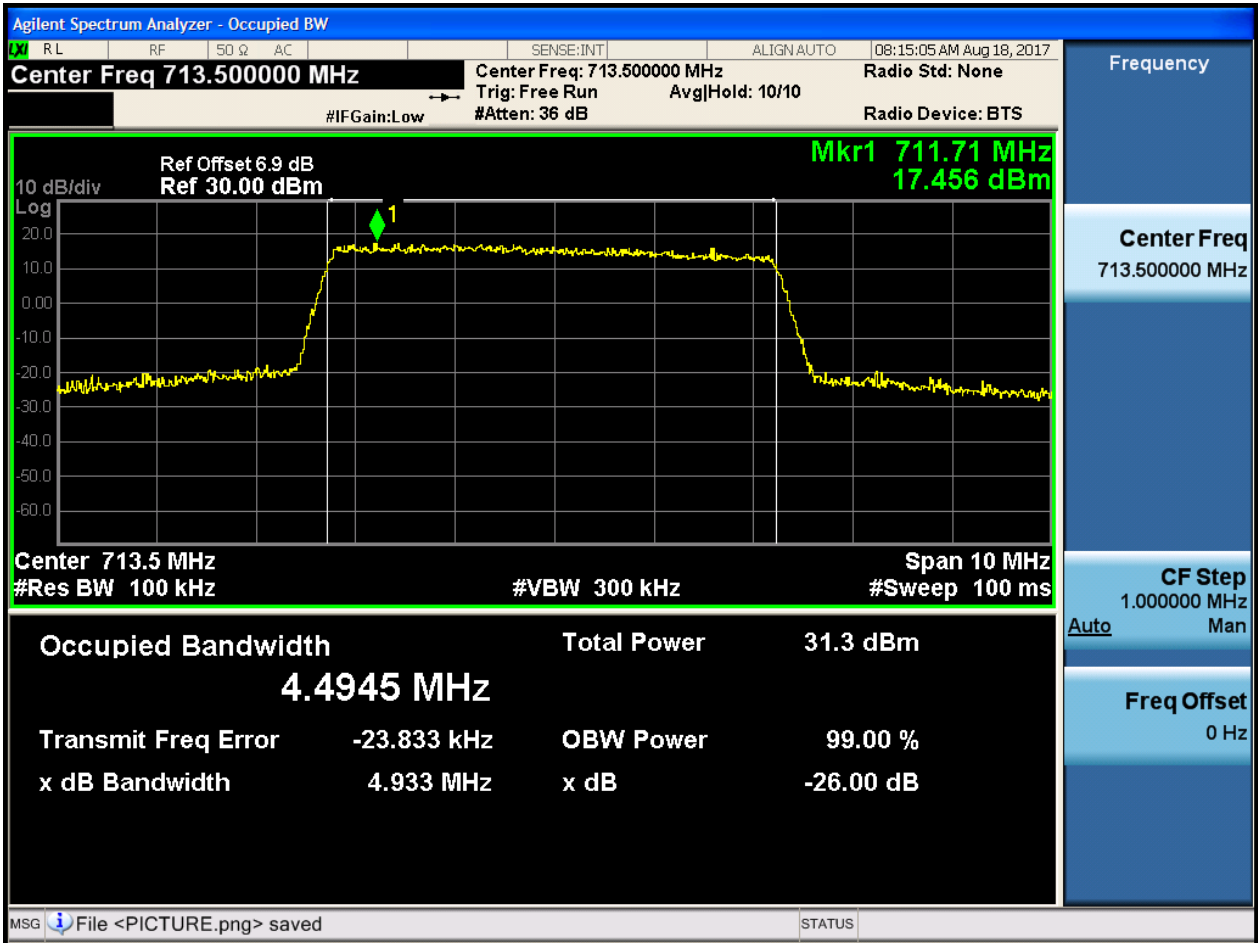
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

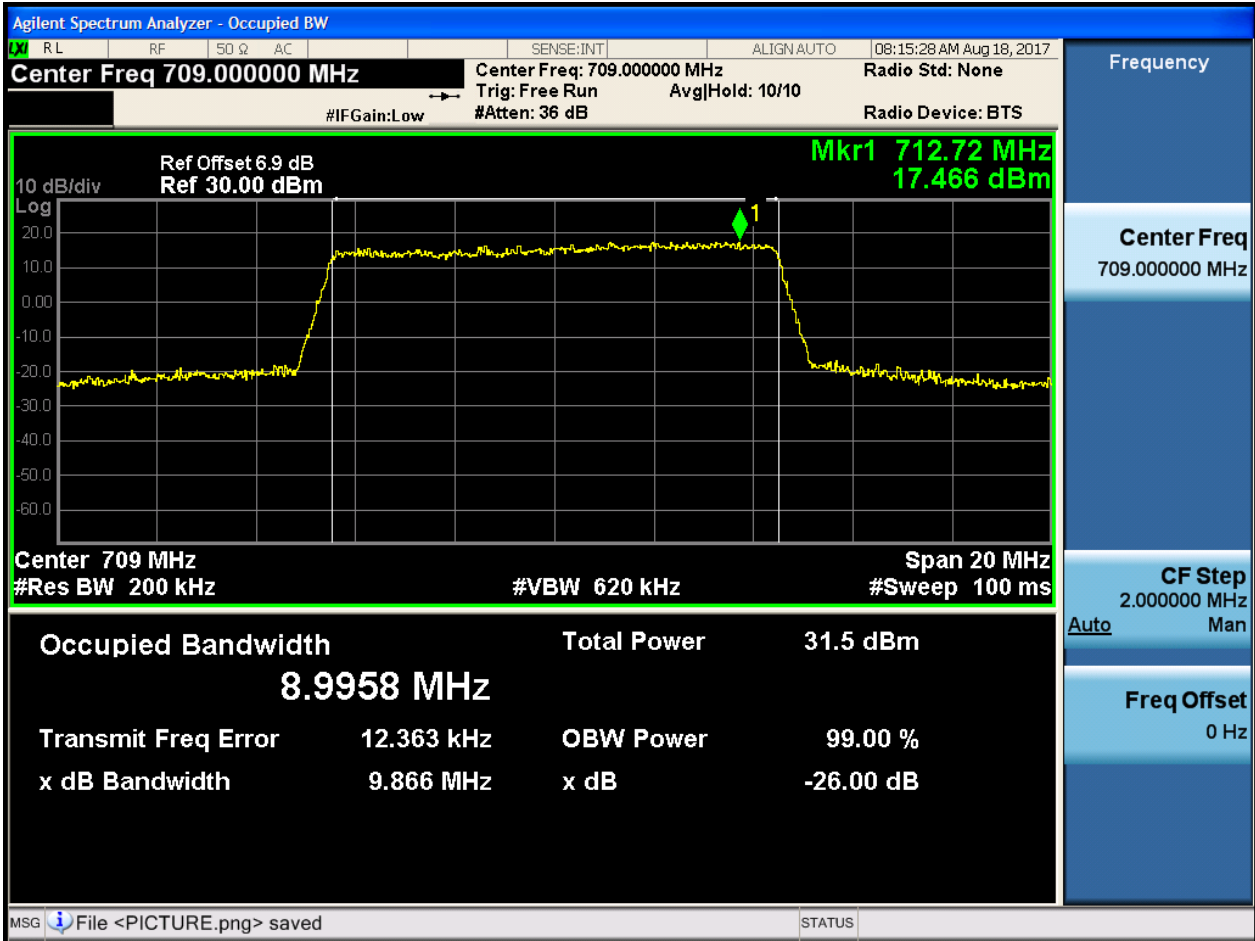




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

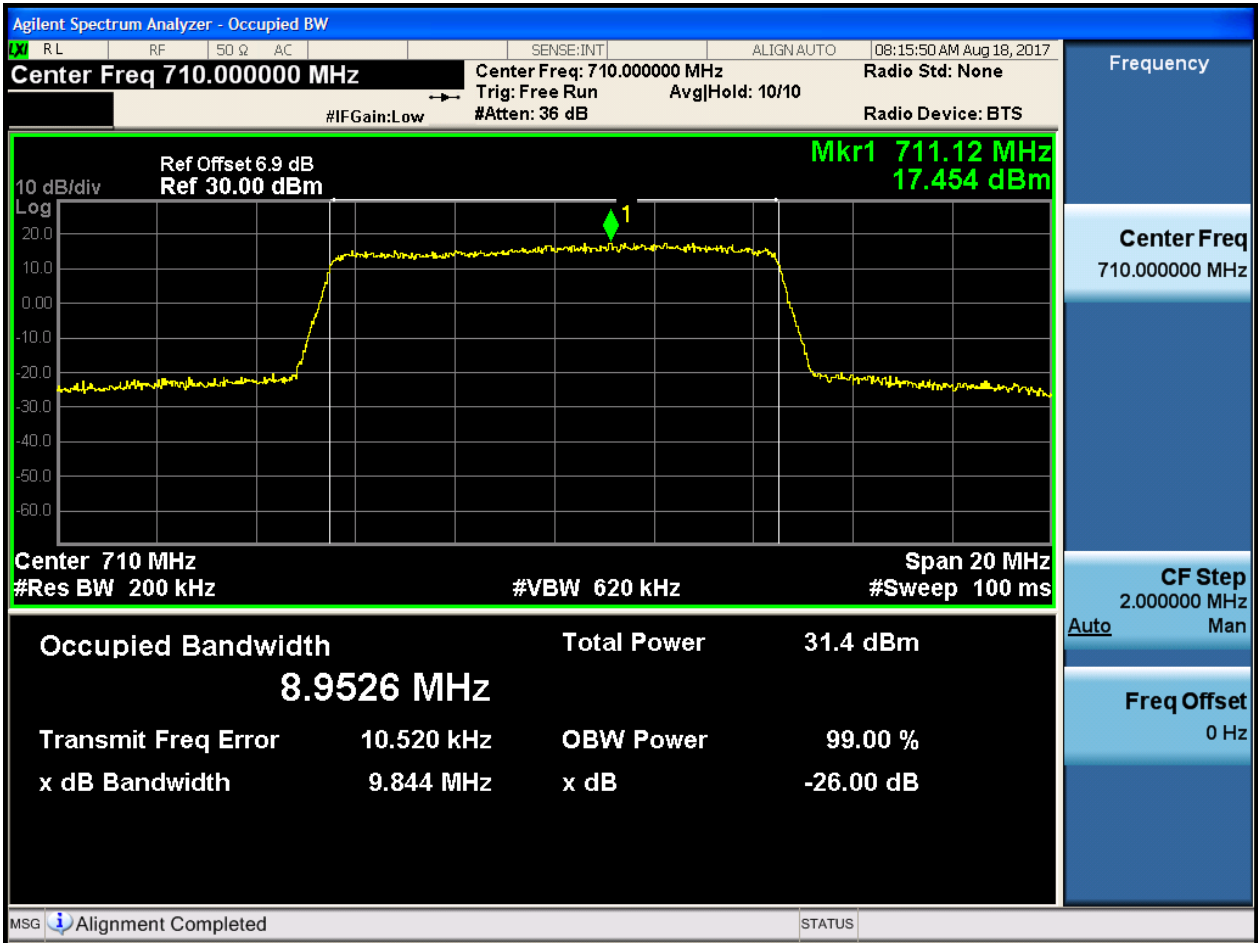
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

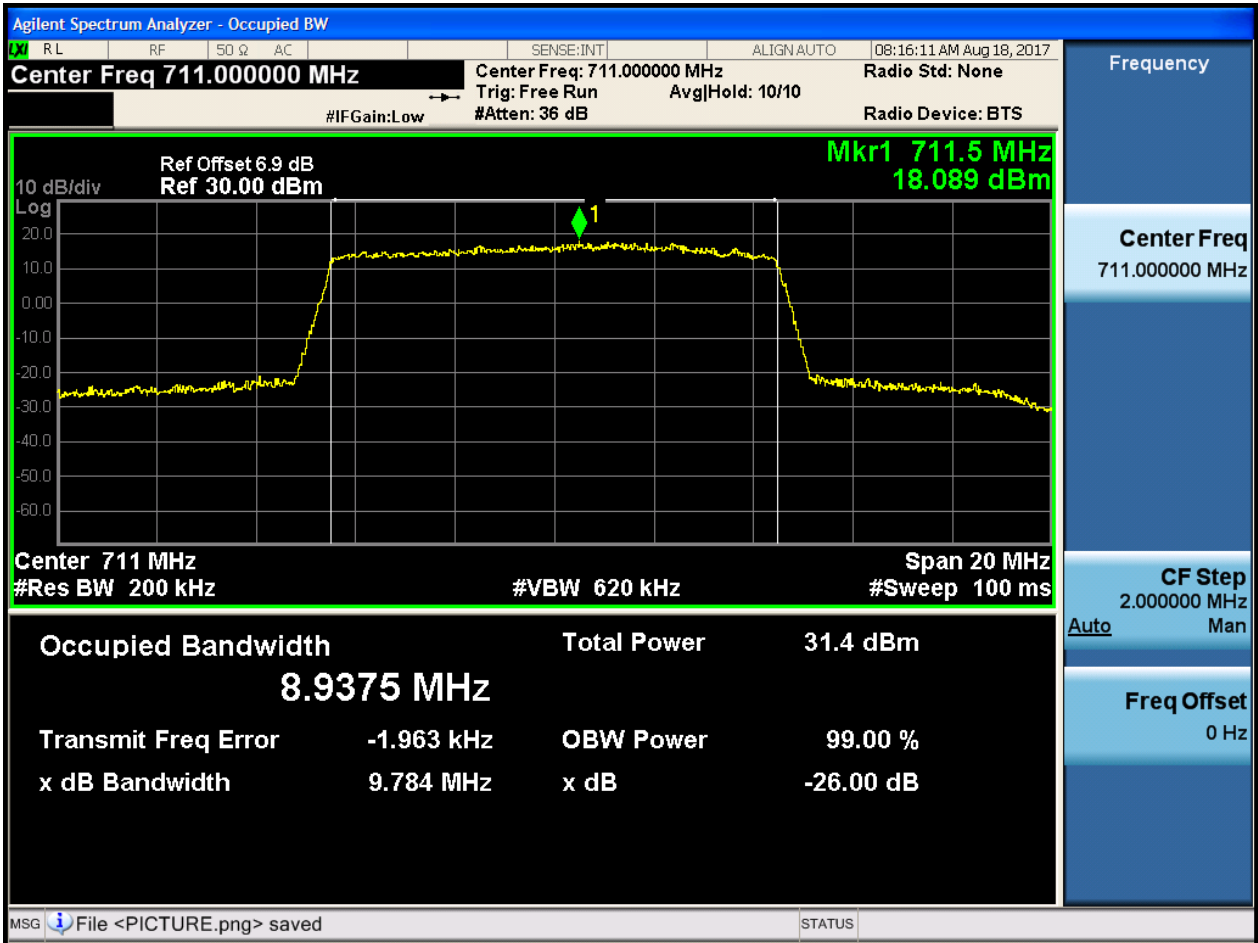
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



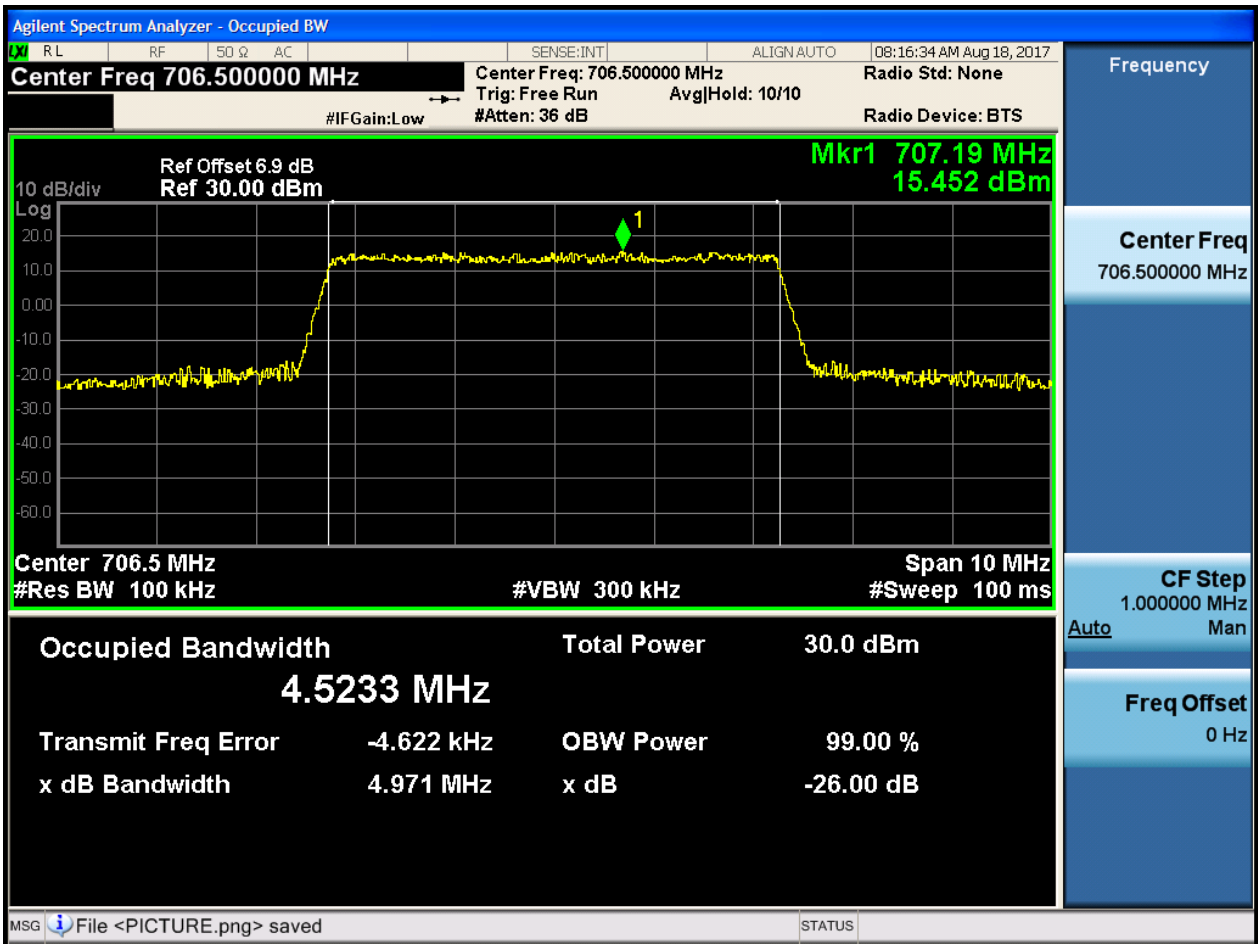


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

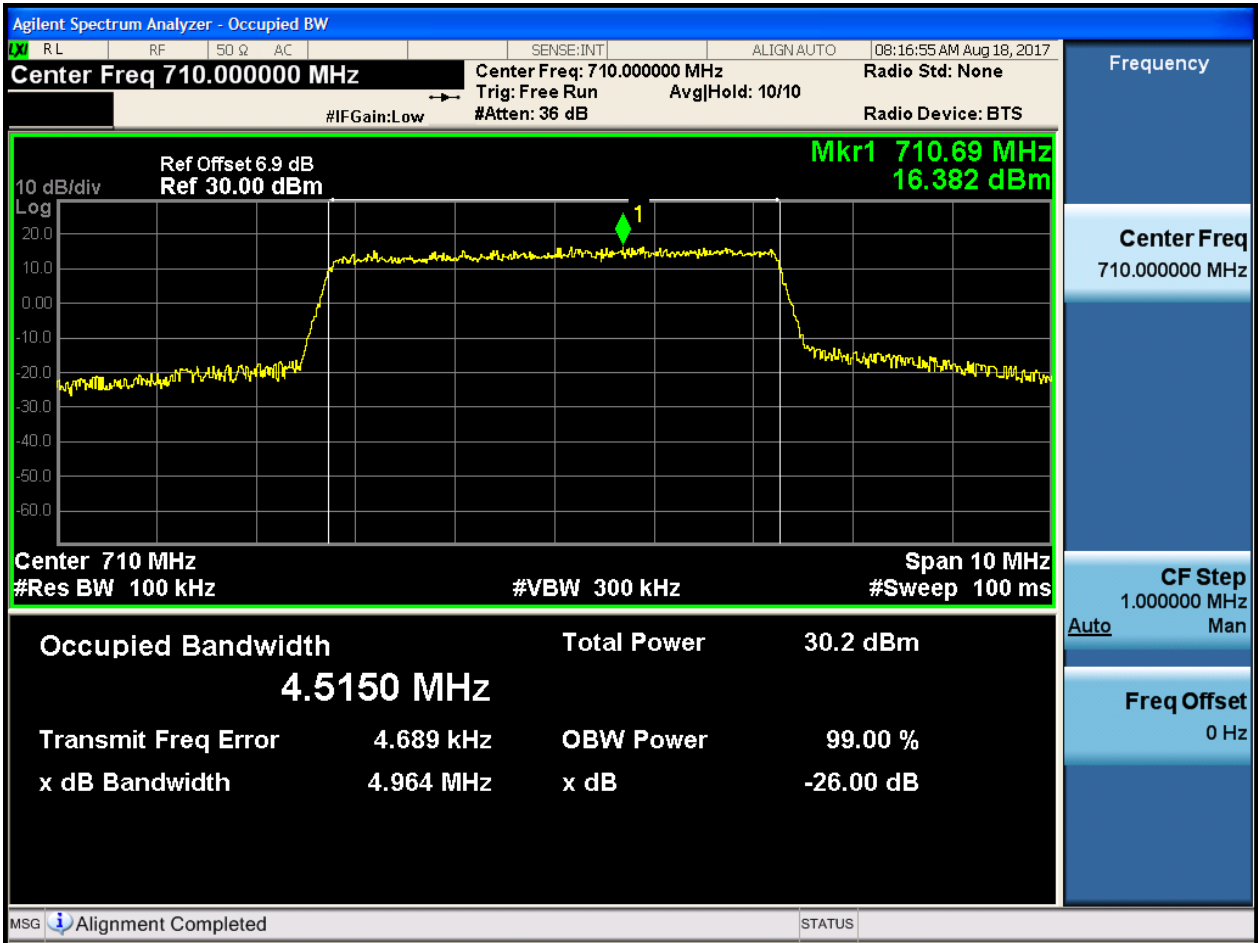
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

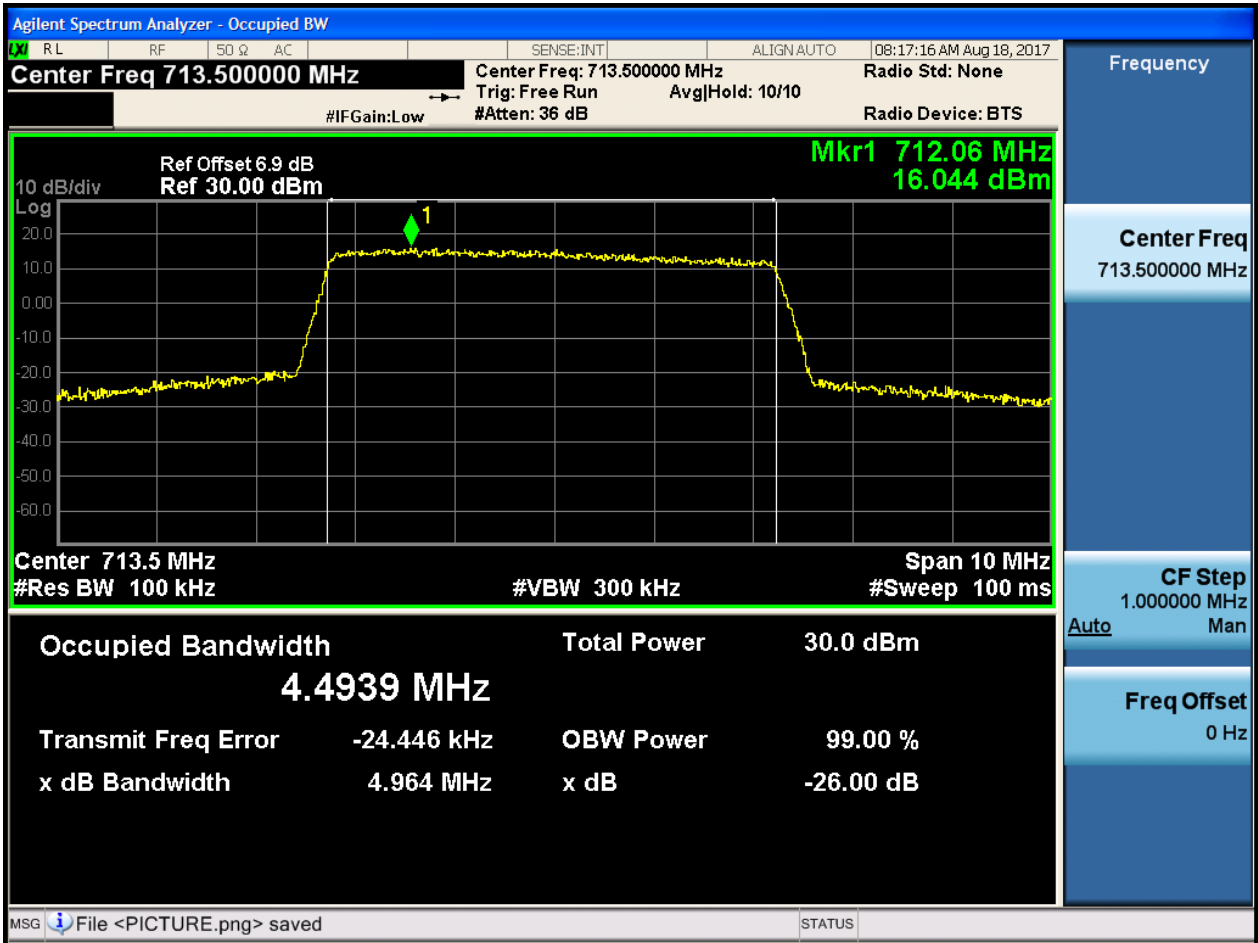
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

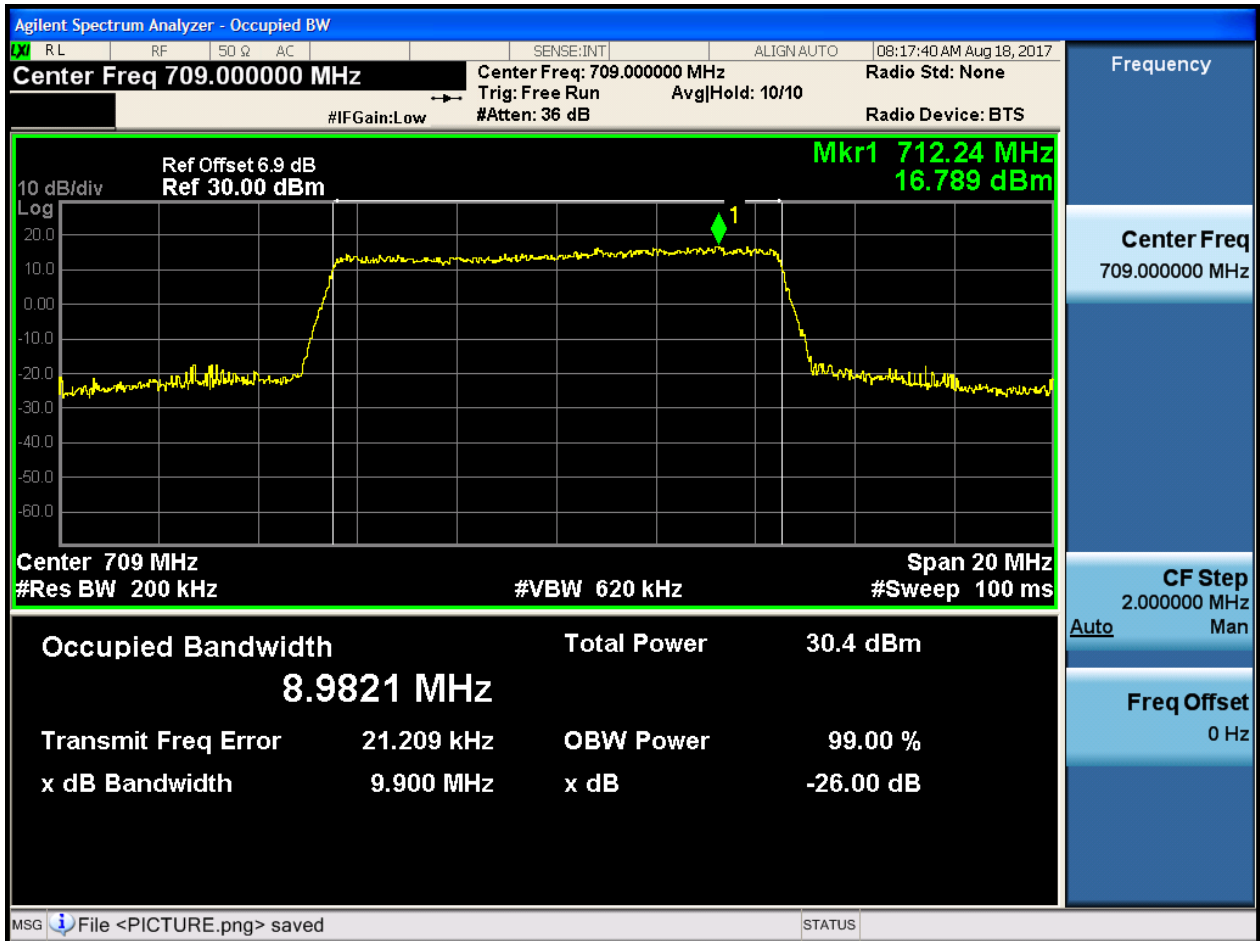




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

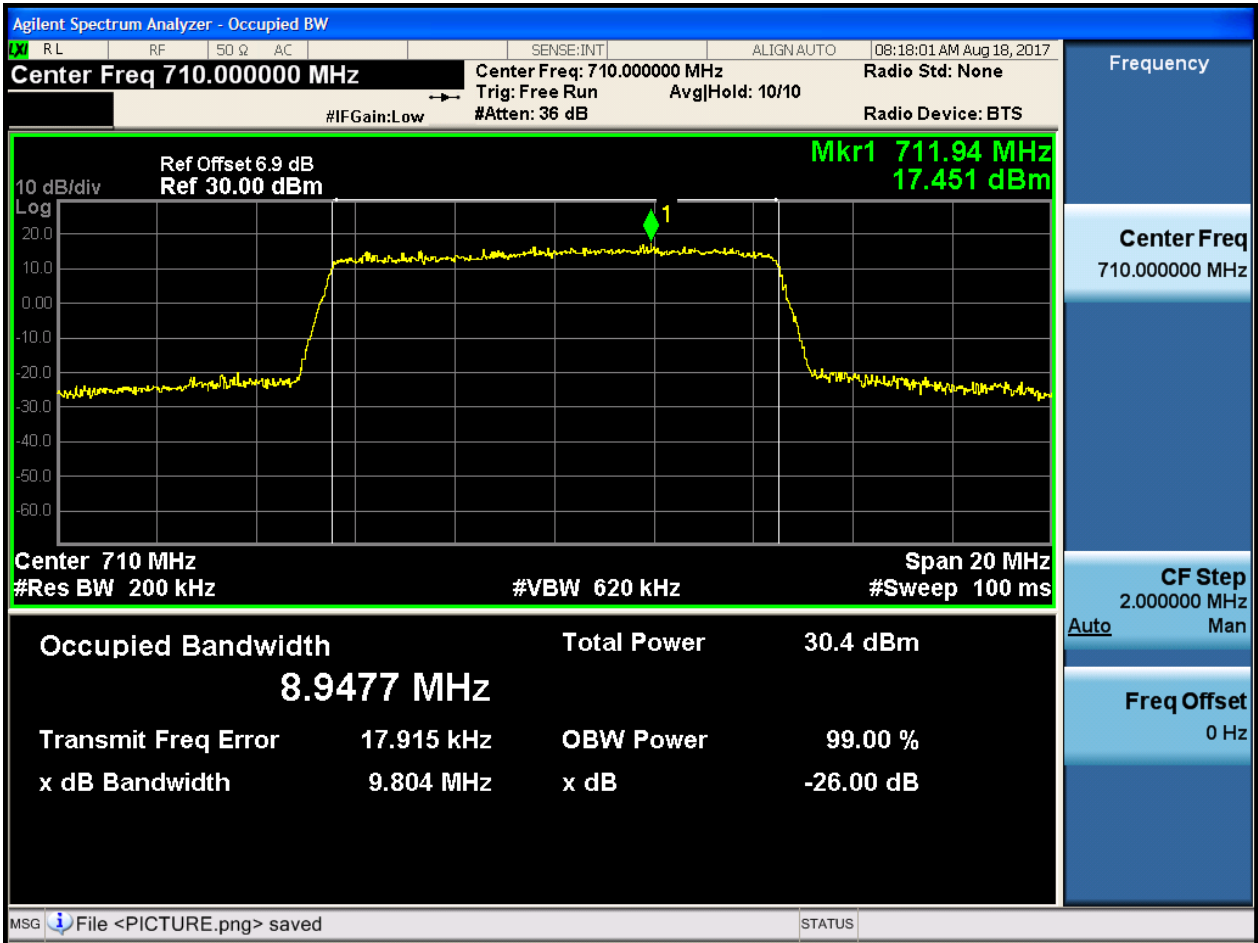
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

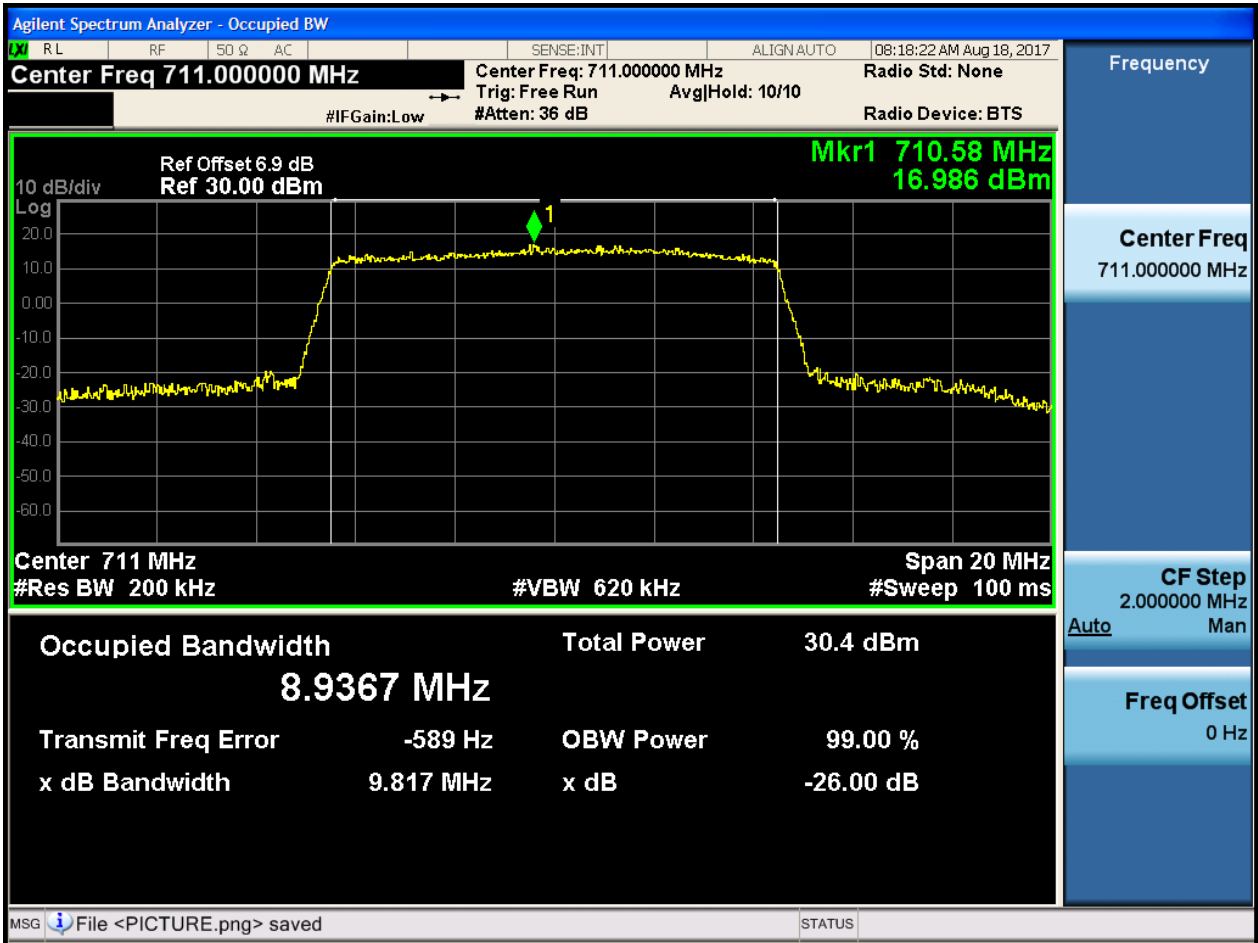
4.1.1.2.2.2.1 Test RB = RB50#0





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

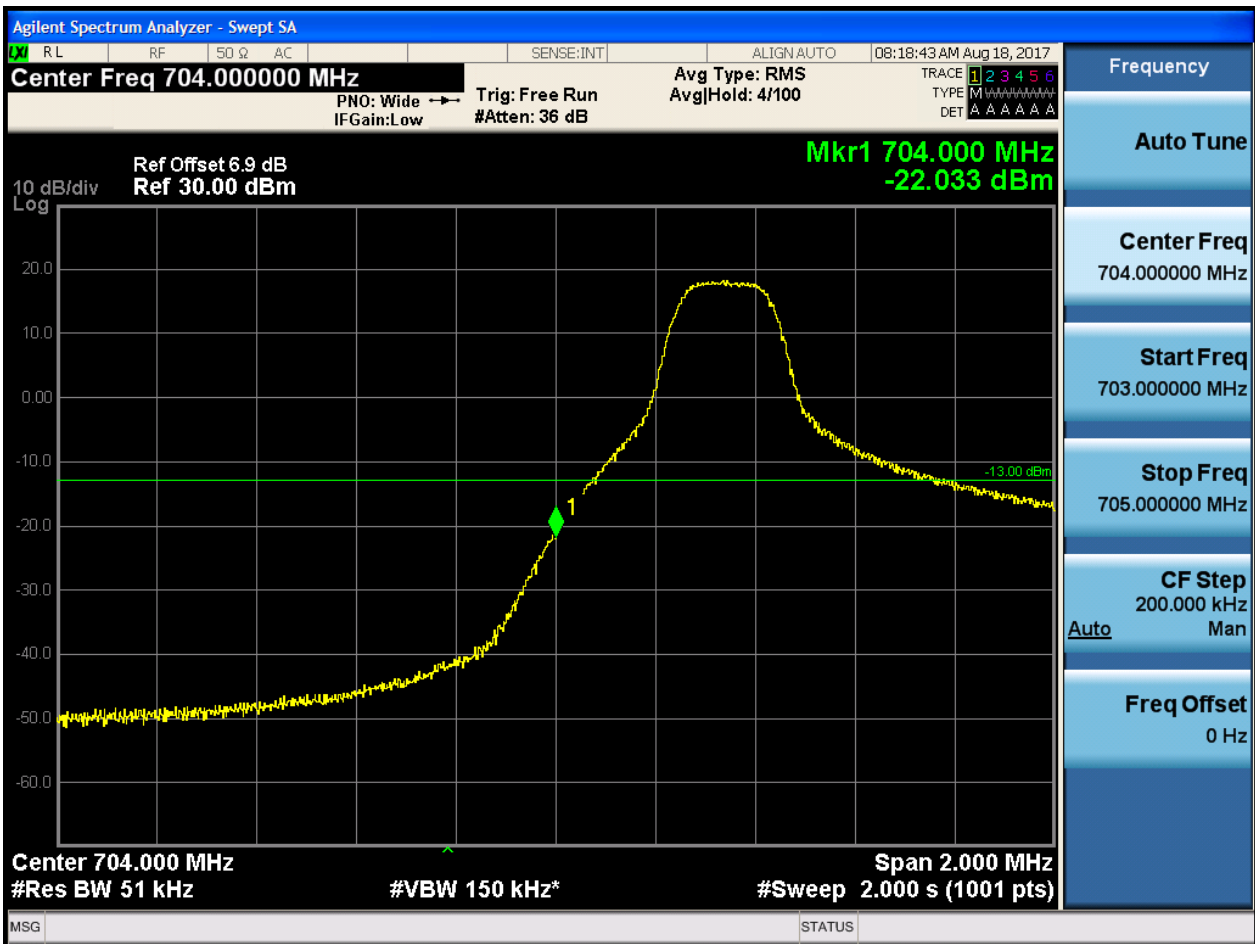
5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

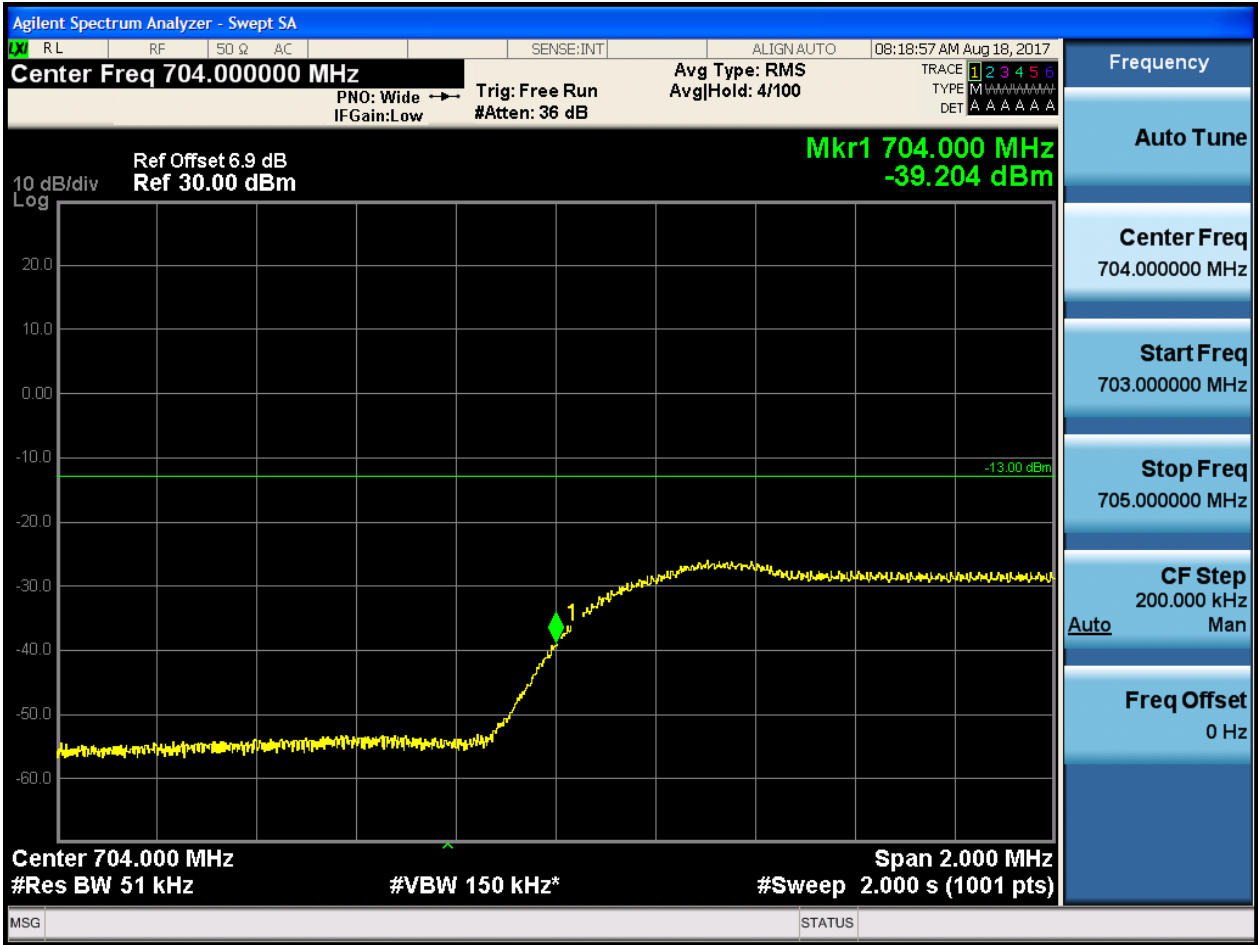
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24



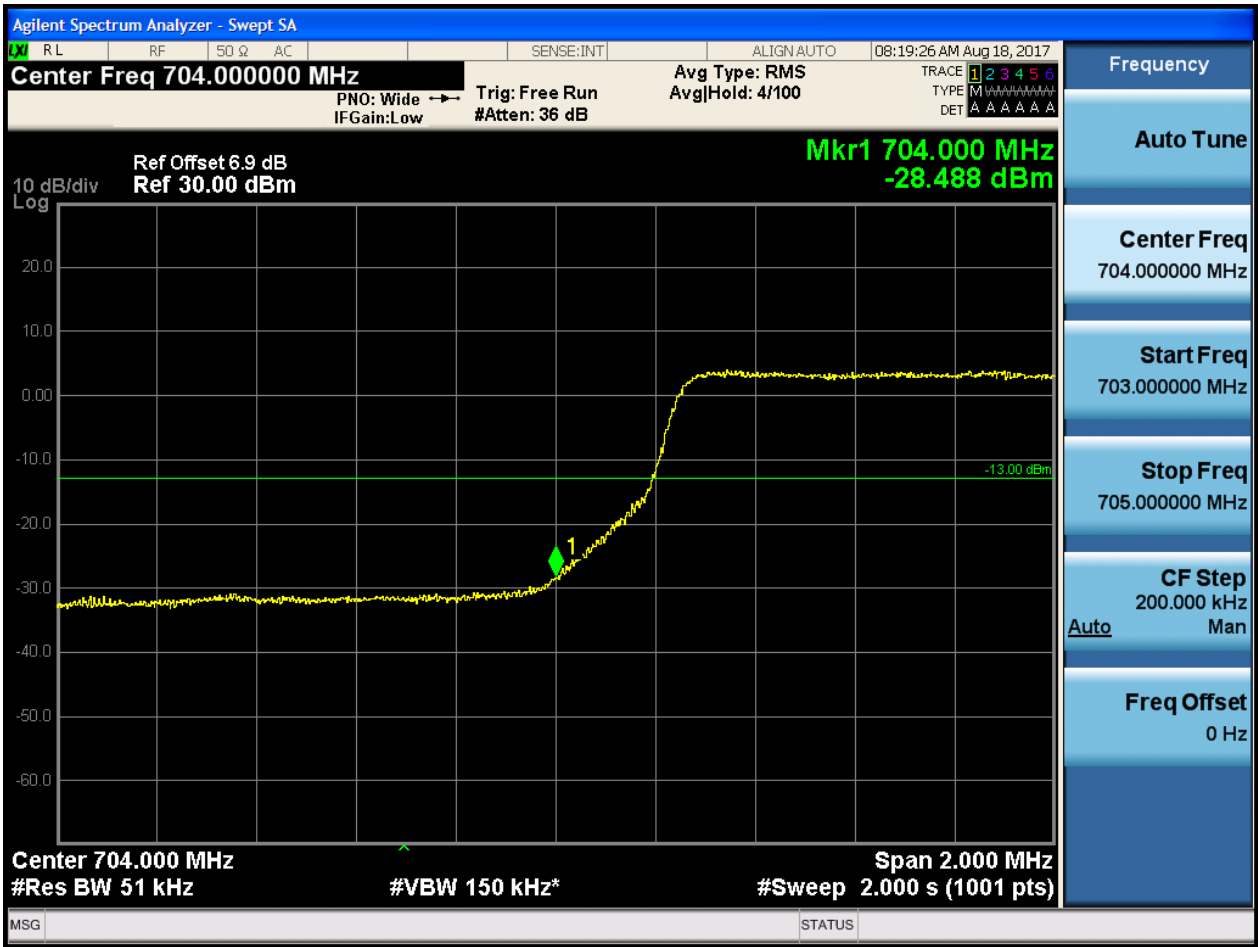


5.1.1.1.1.3 Test RB = RB12#6





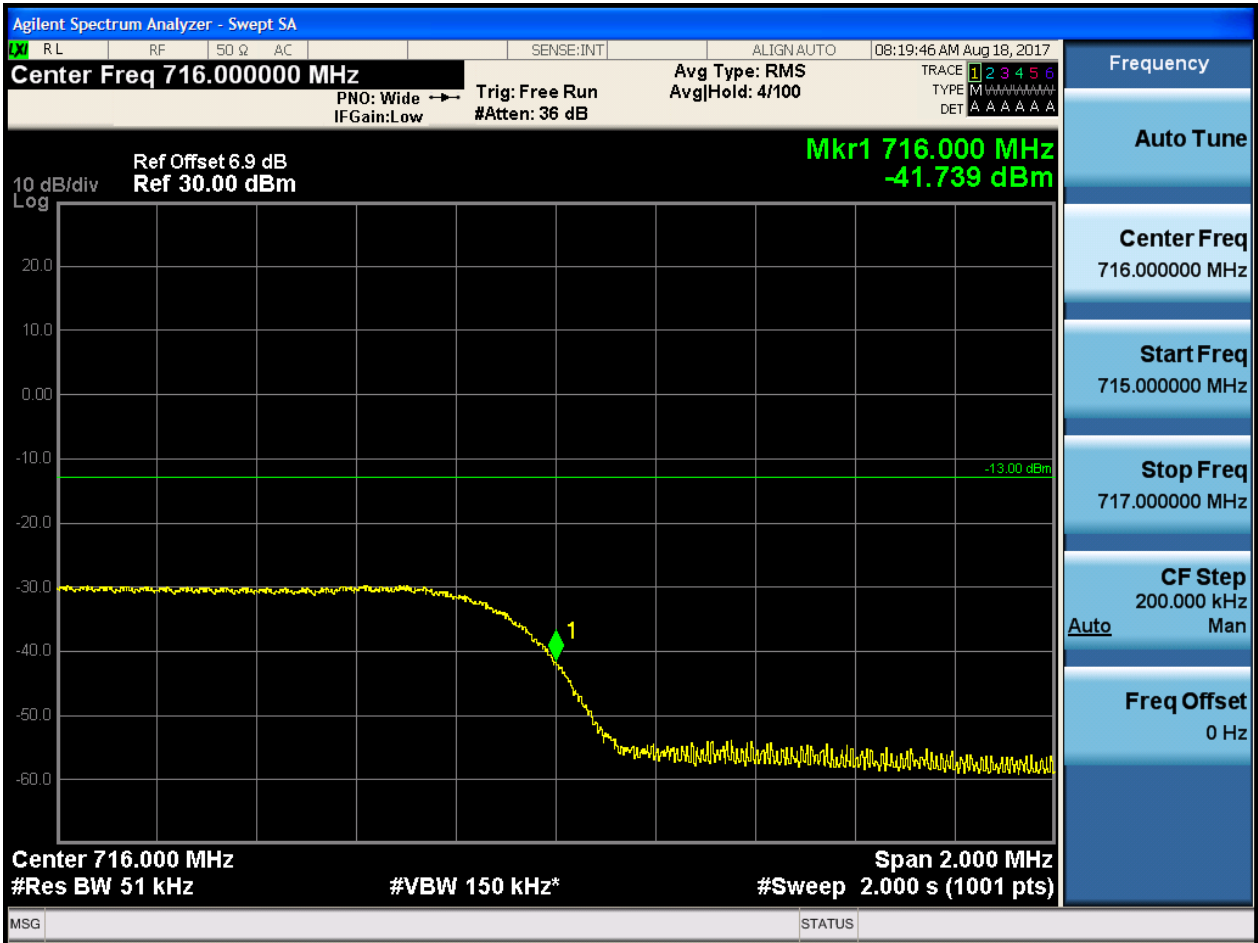
5.1.1.1.1.4 Test RB = RB25#0





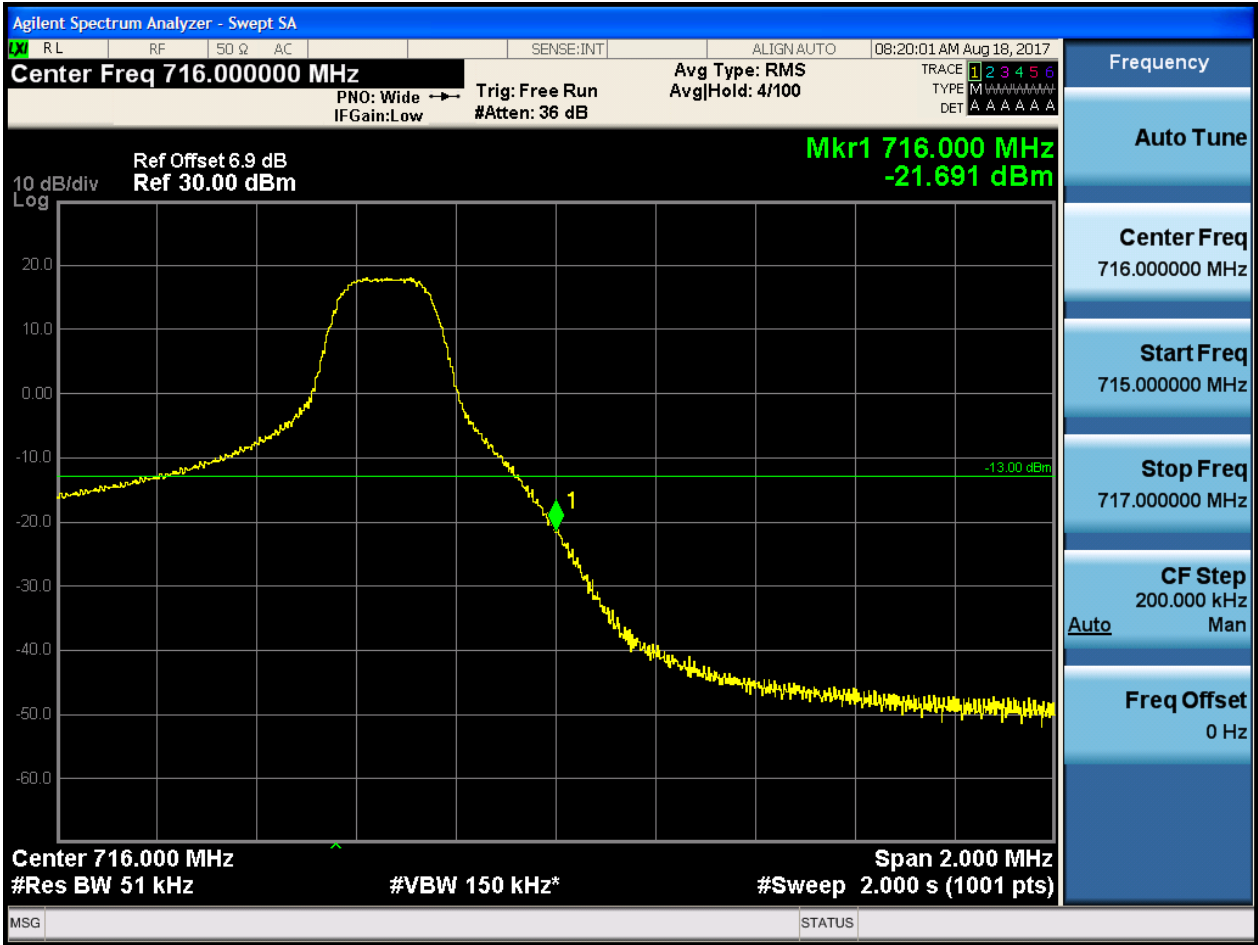
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#24





5.1.1.1.1.2.3 Test RB = RB12#6





5.1.1.1.1.2.4 Test RB = RB25#0

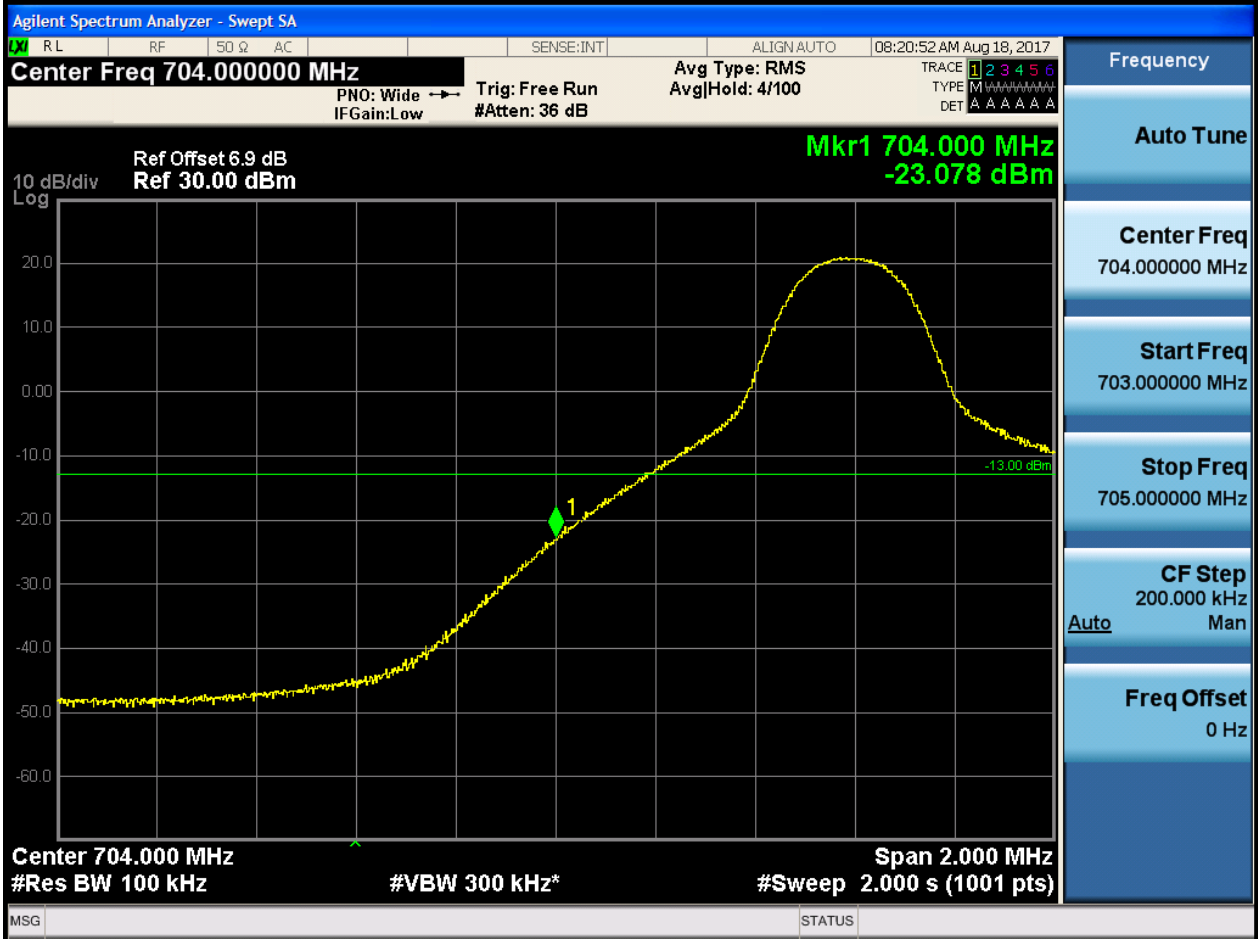




5.1.1.1.2 Test Bandwidth = 10

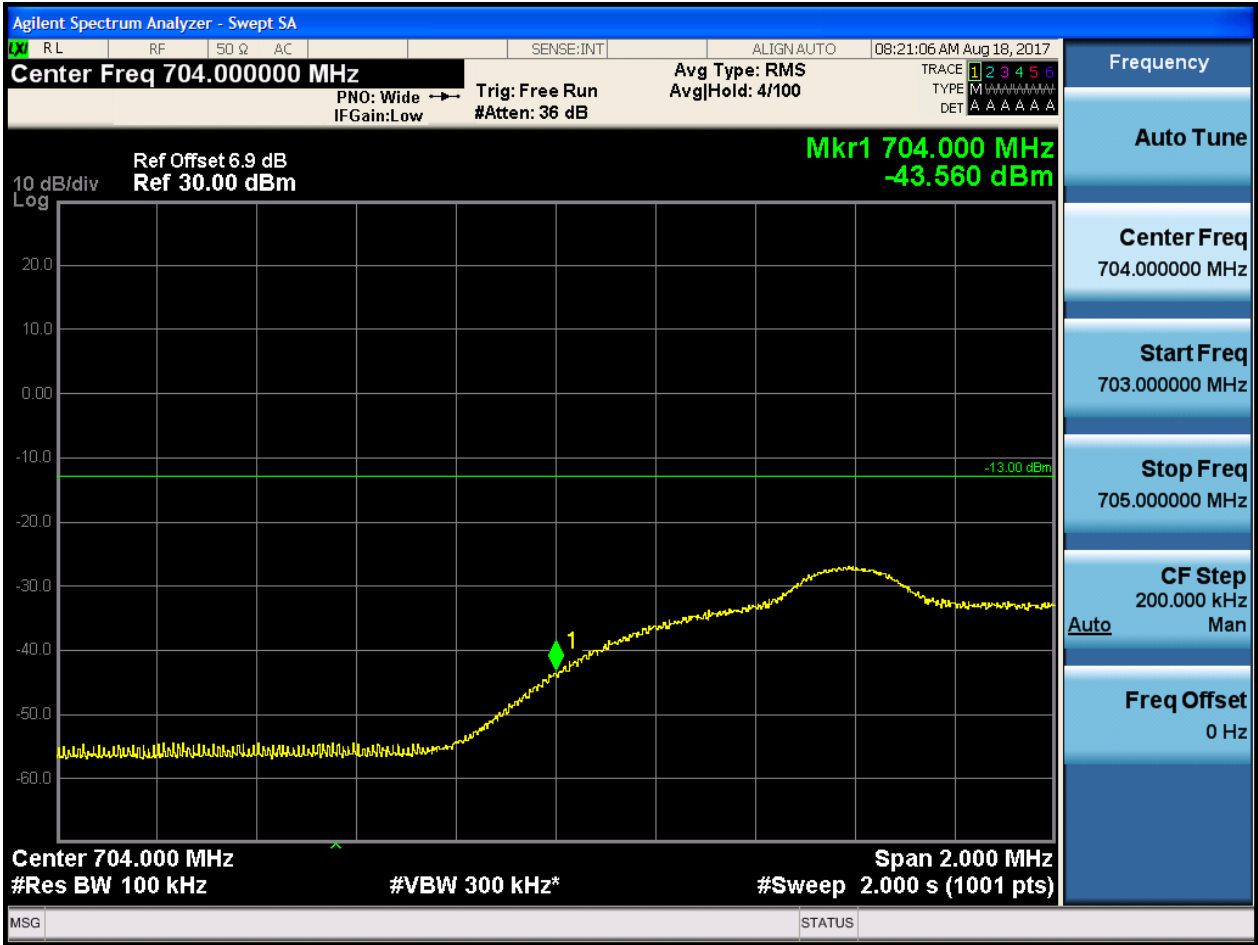
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



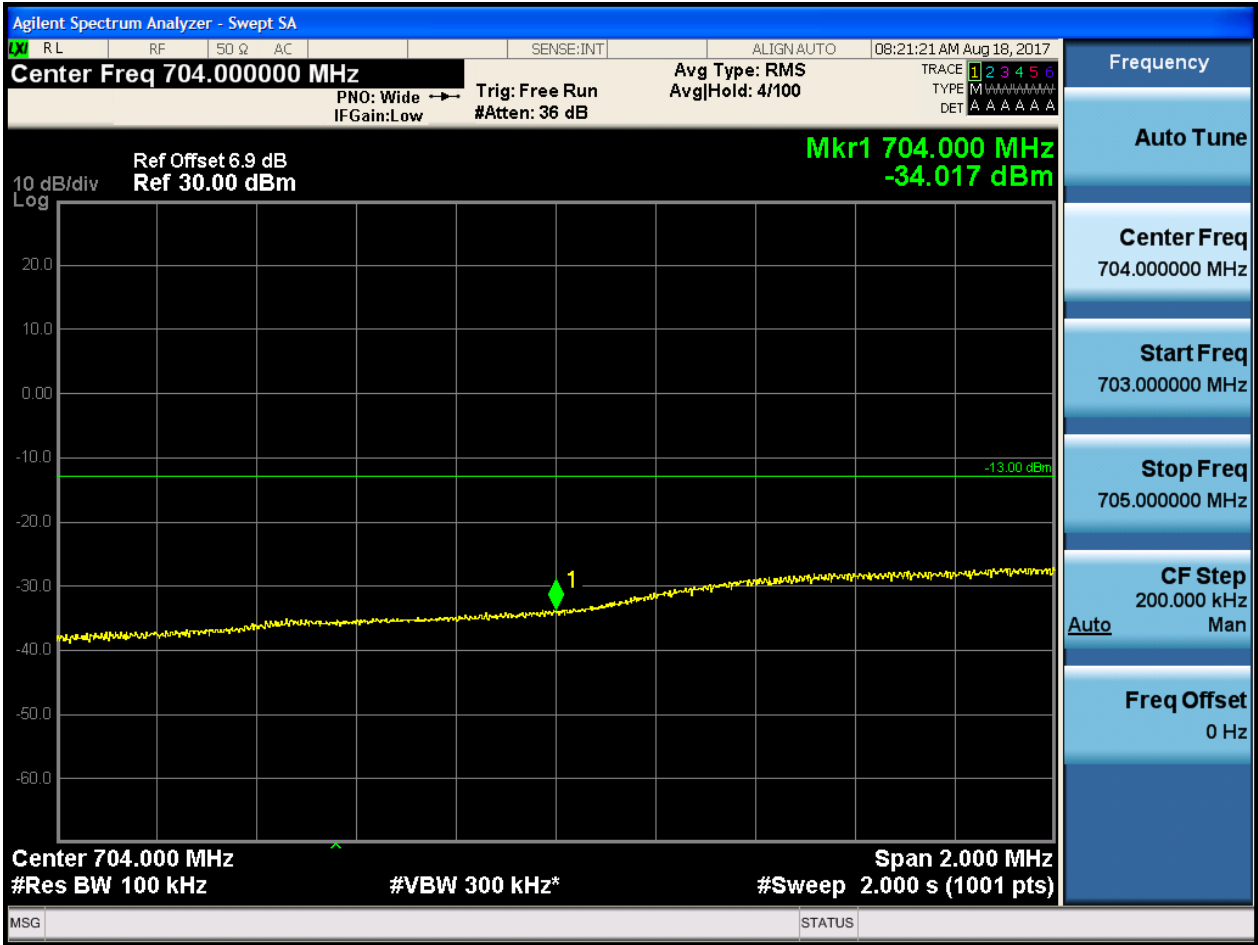


5.1.1.1.2.1.2 Test RB = RB1#49



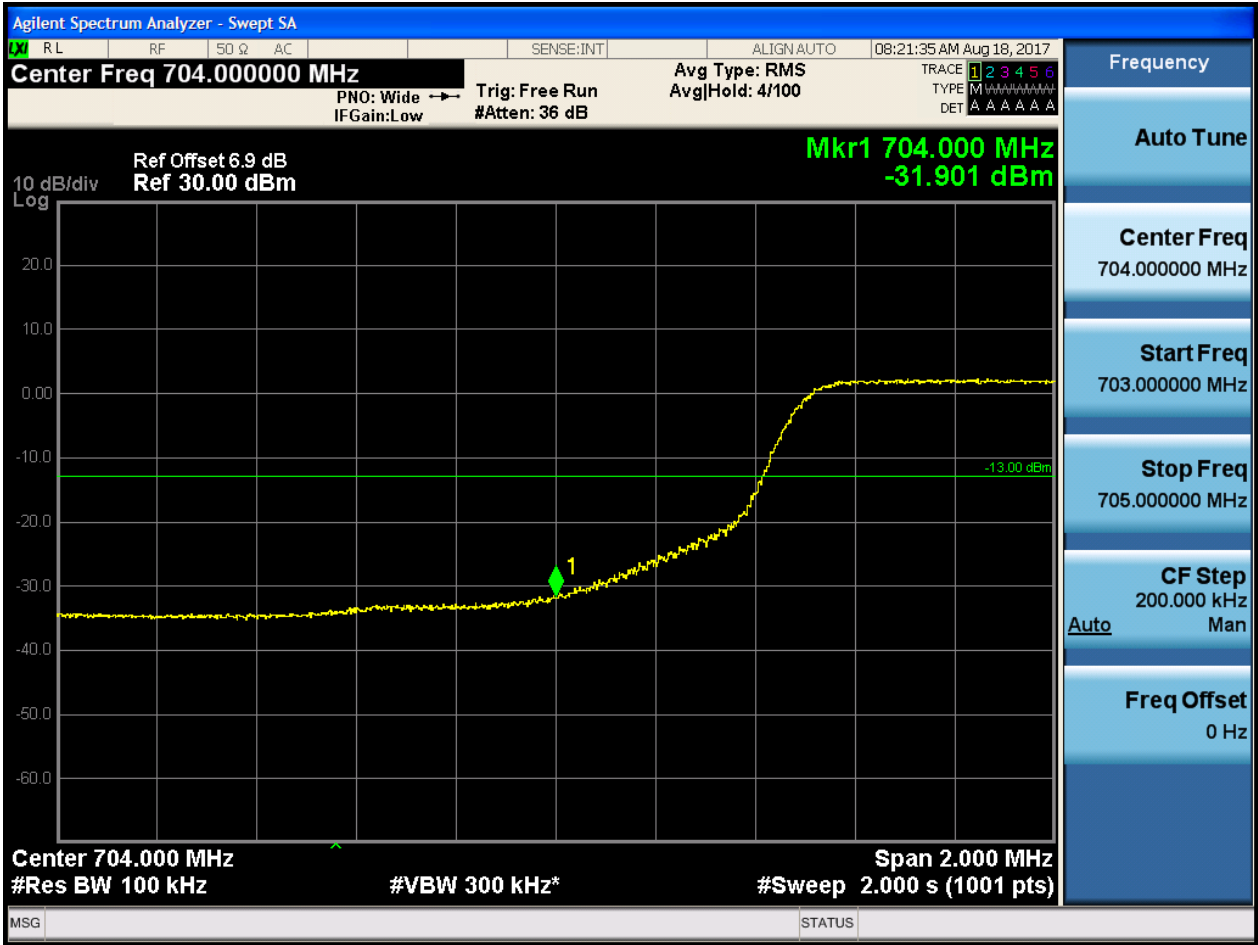


5.1.1.1.2.1.3 Test RB = RB25#13





5.1.1.1.2.1.4 Test RB = RB50#0





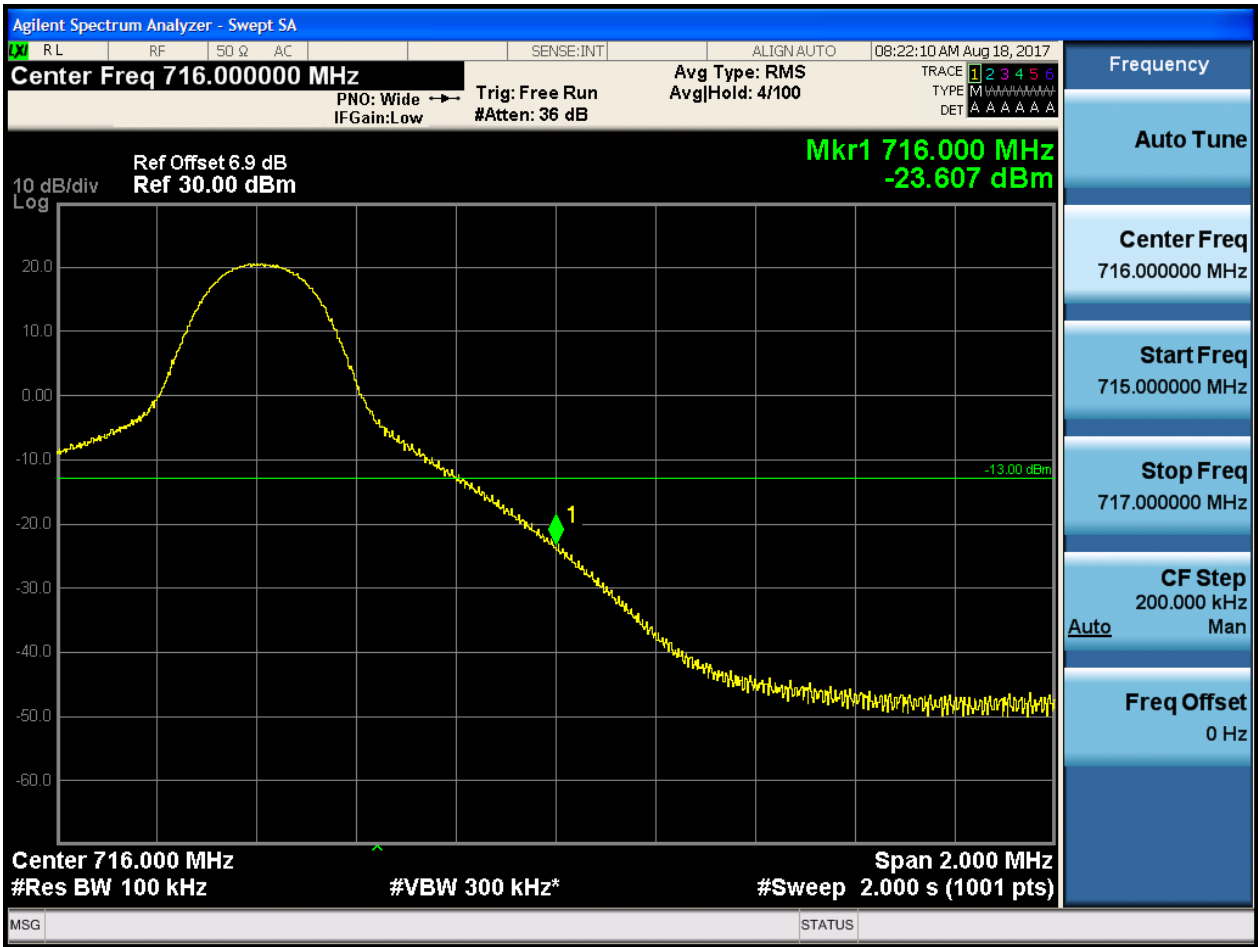
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#49





5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0



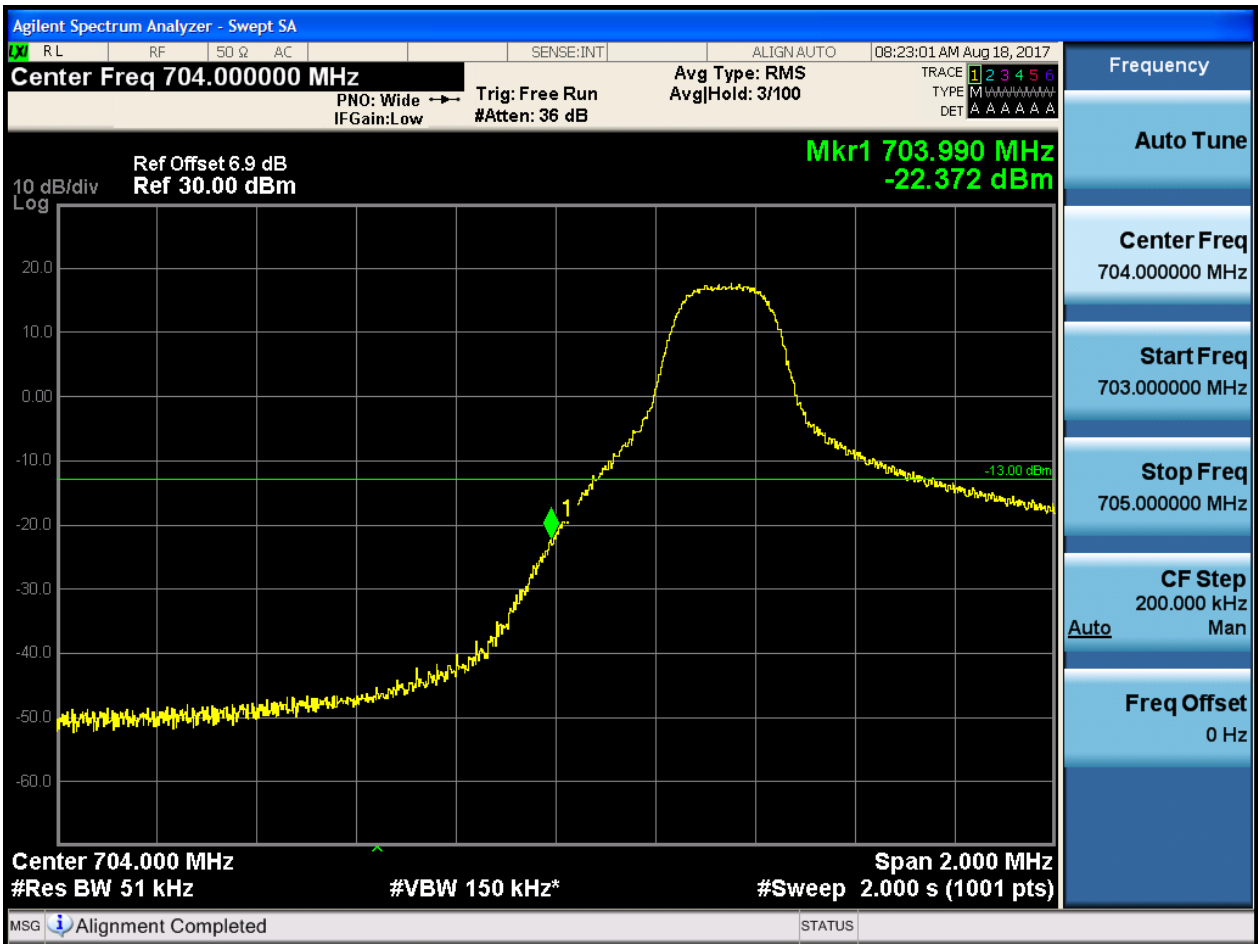


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

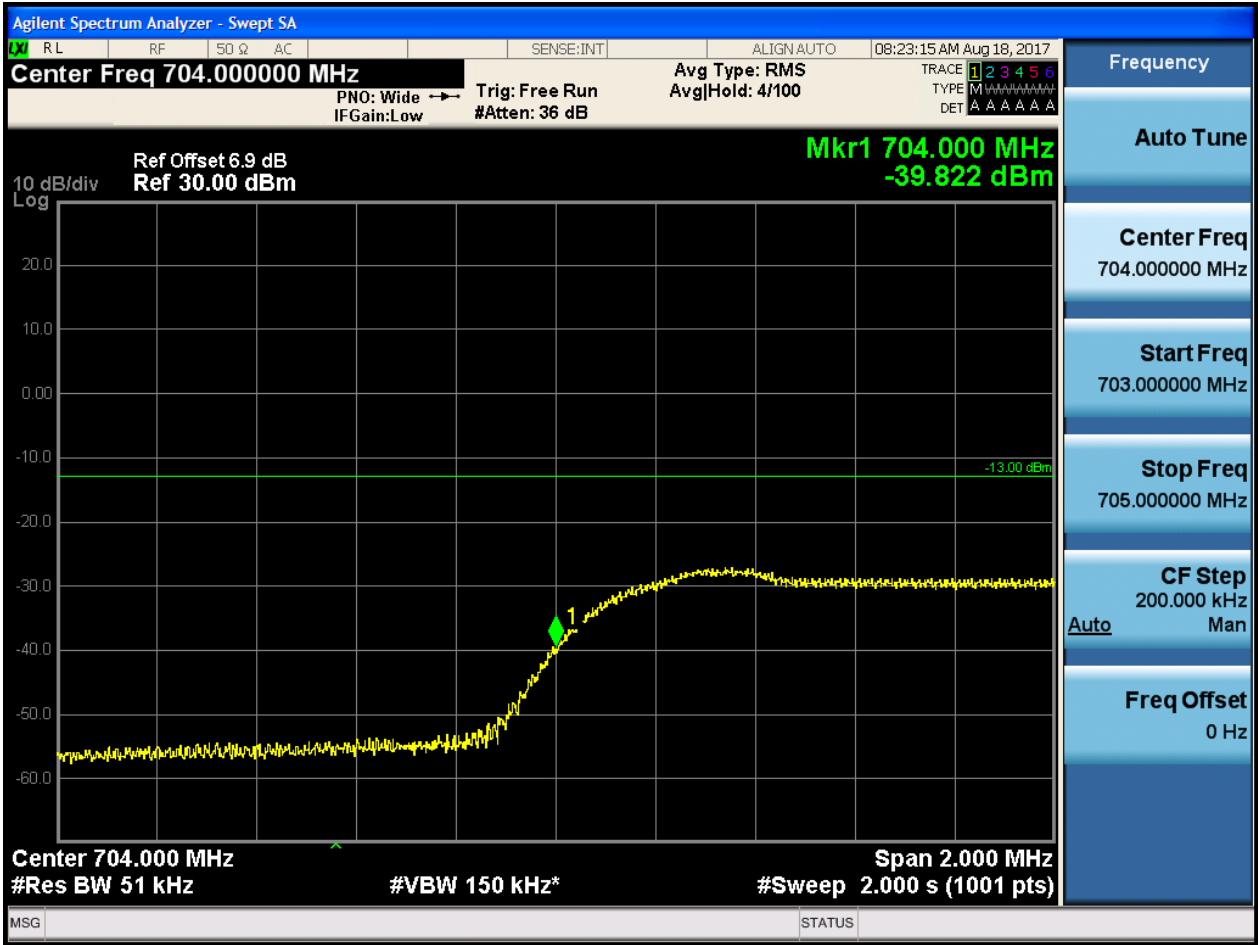
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



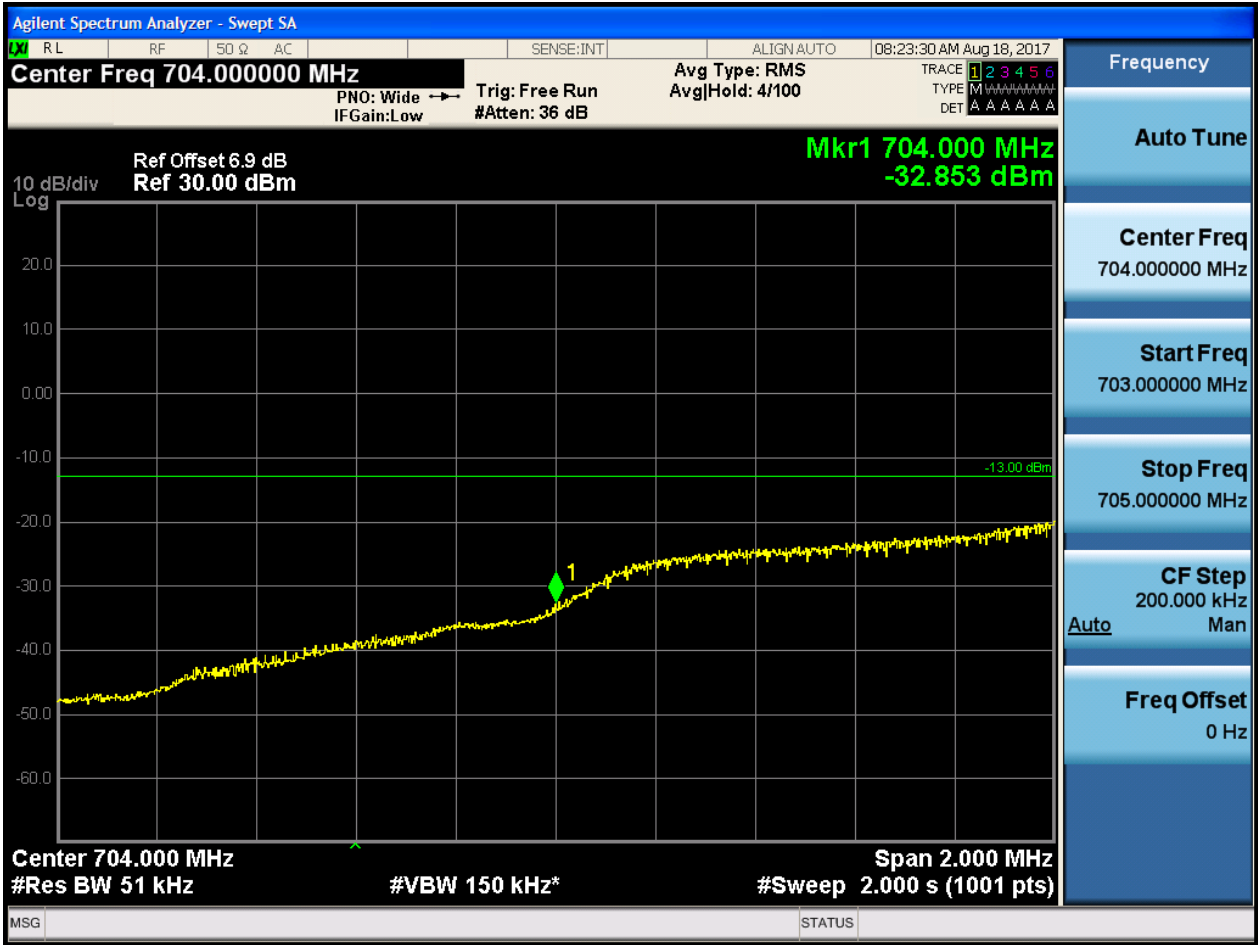


5.1.1.2.1.1.2 Test RB = RB1#24



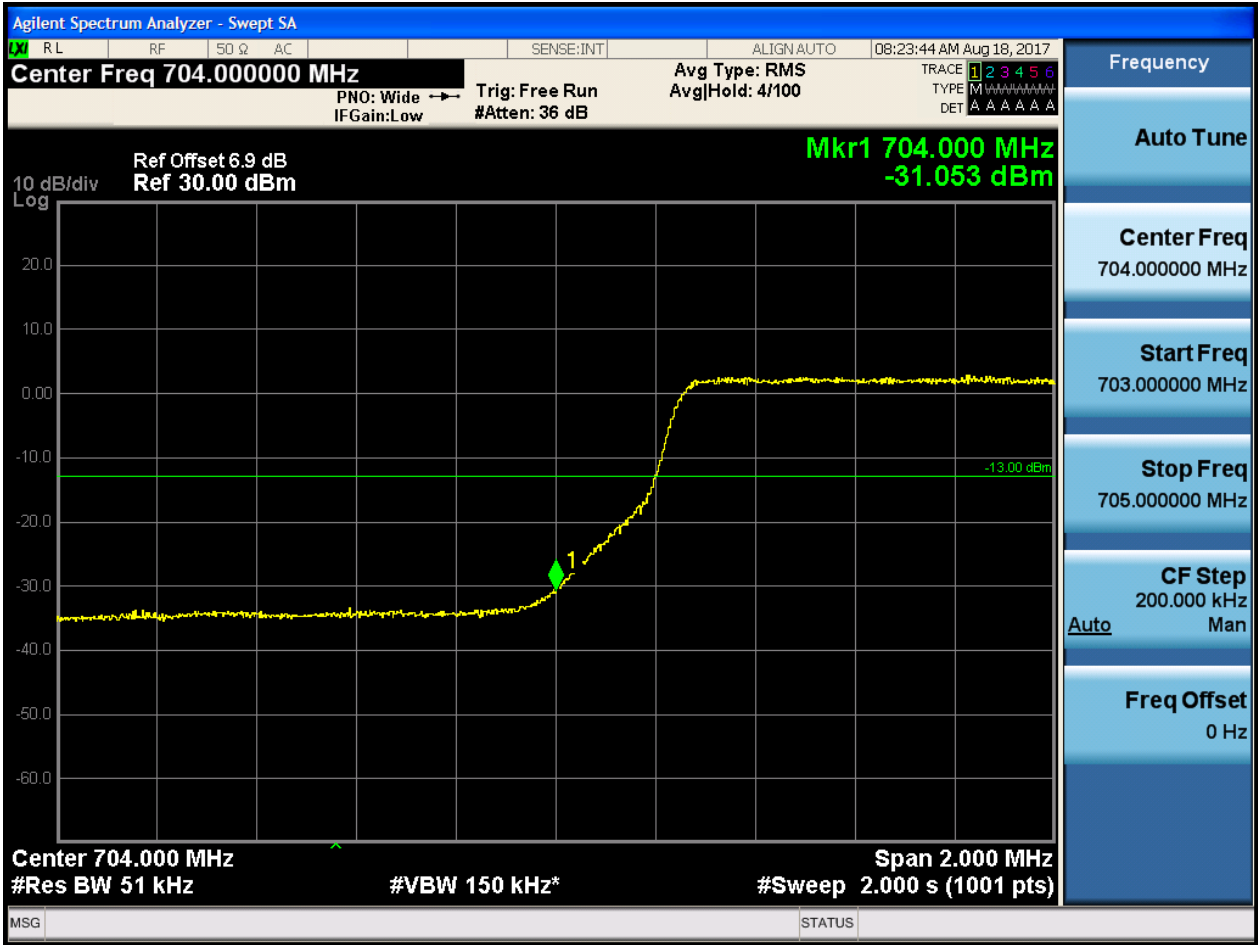


5.1.1.2.1.1.3 Test RB = RB12#6





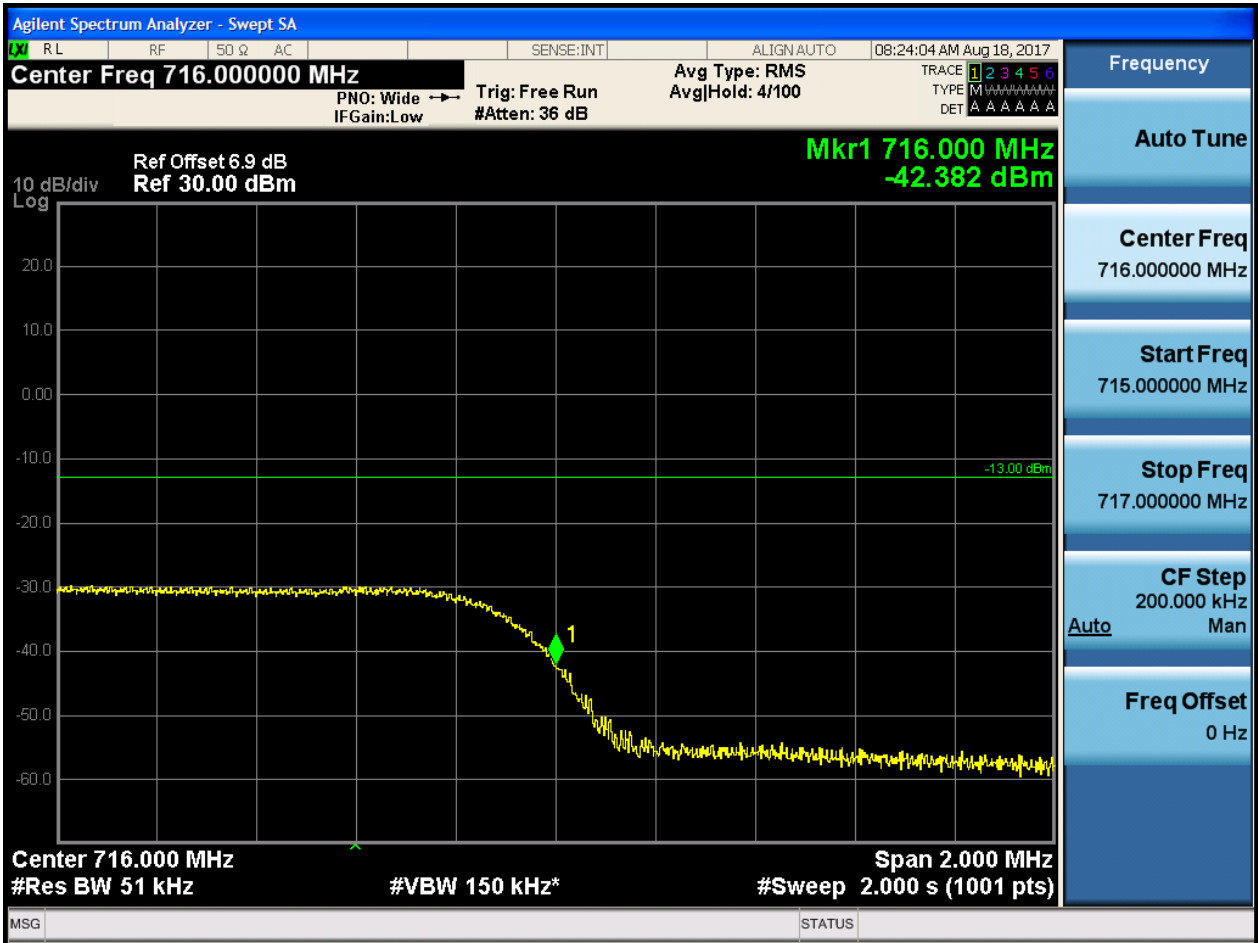
5.1.1.2.1.1.4 Test RB = RB25#0





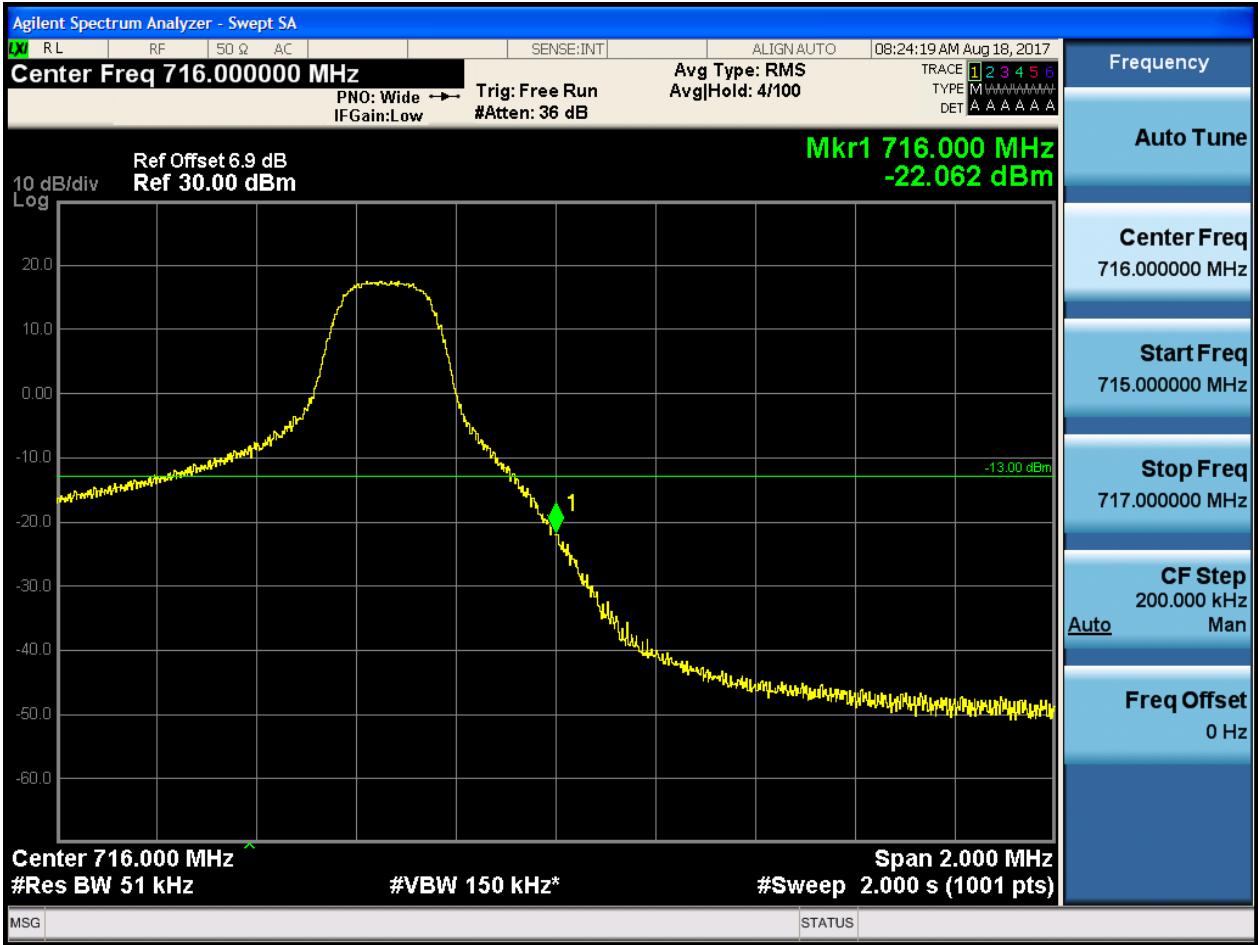
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



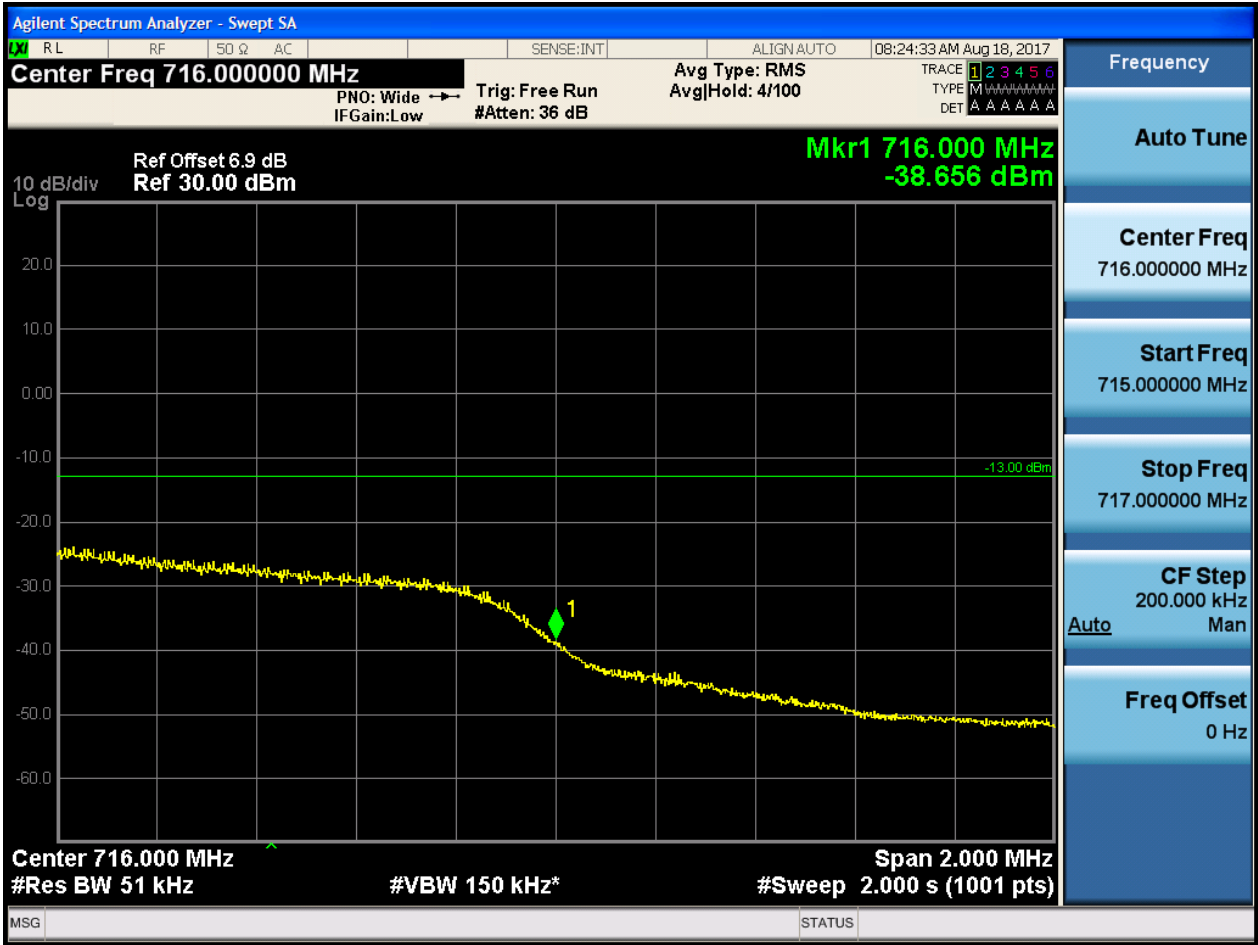


5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

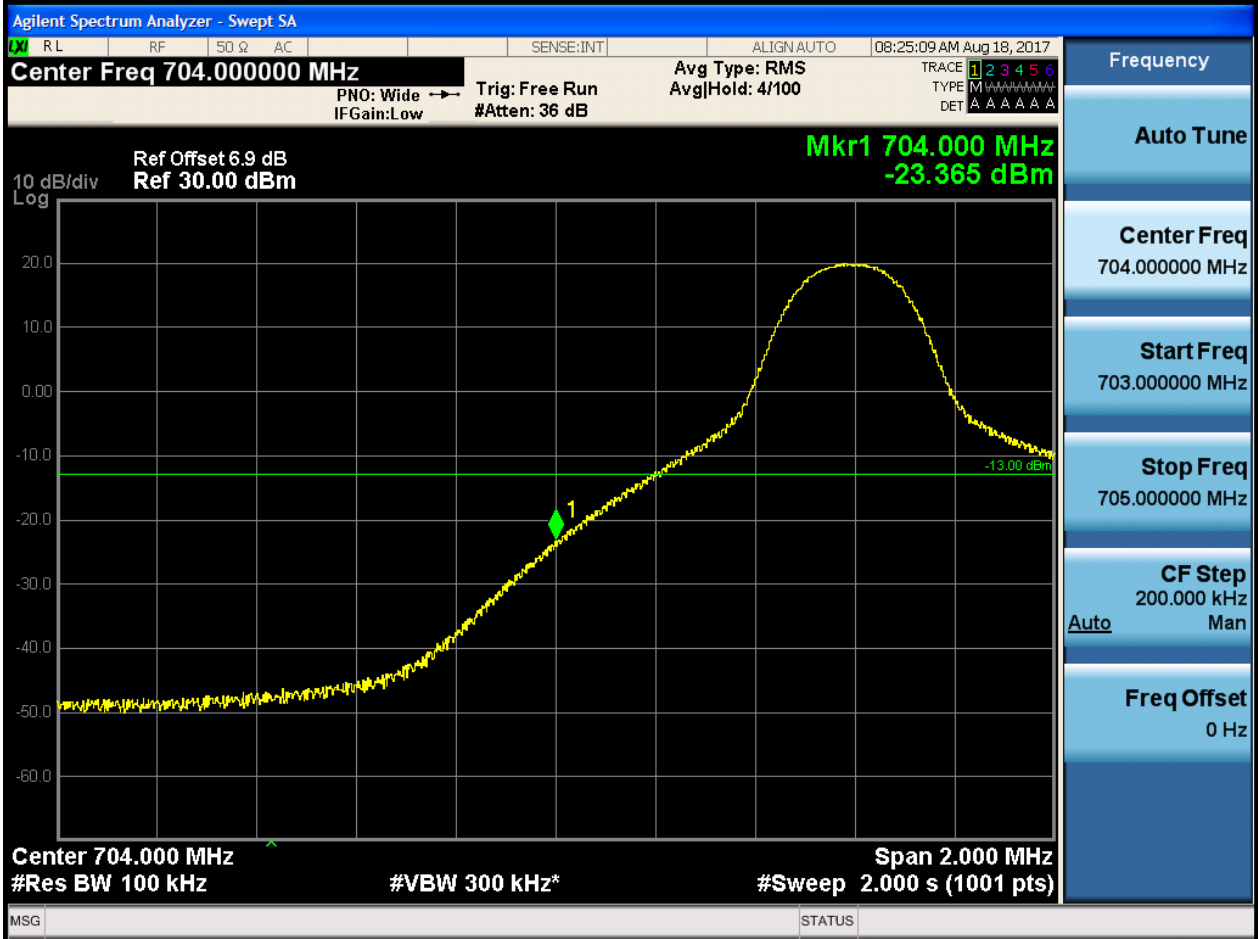




5.1.1.2.2 Test Bandwidth = 10

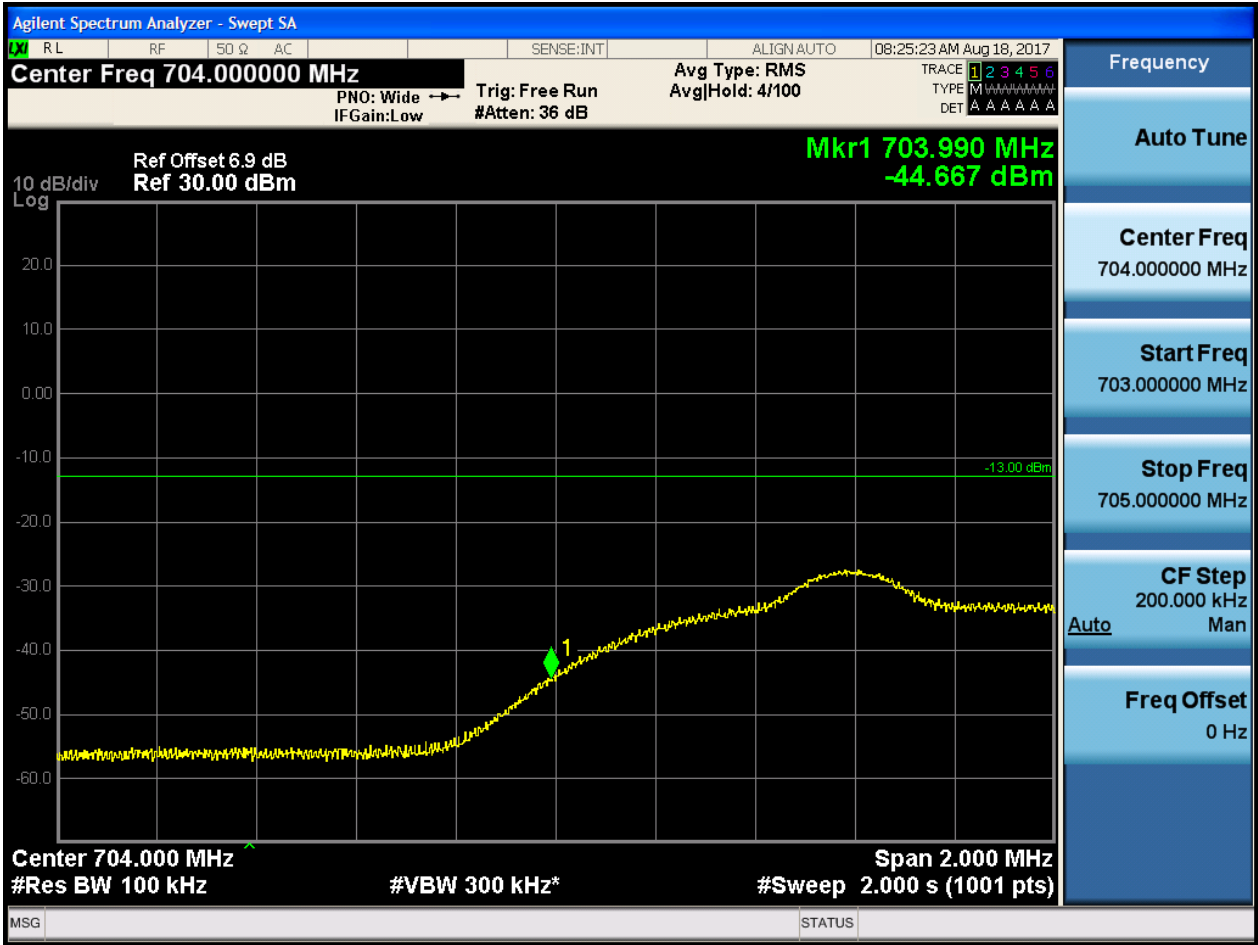
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



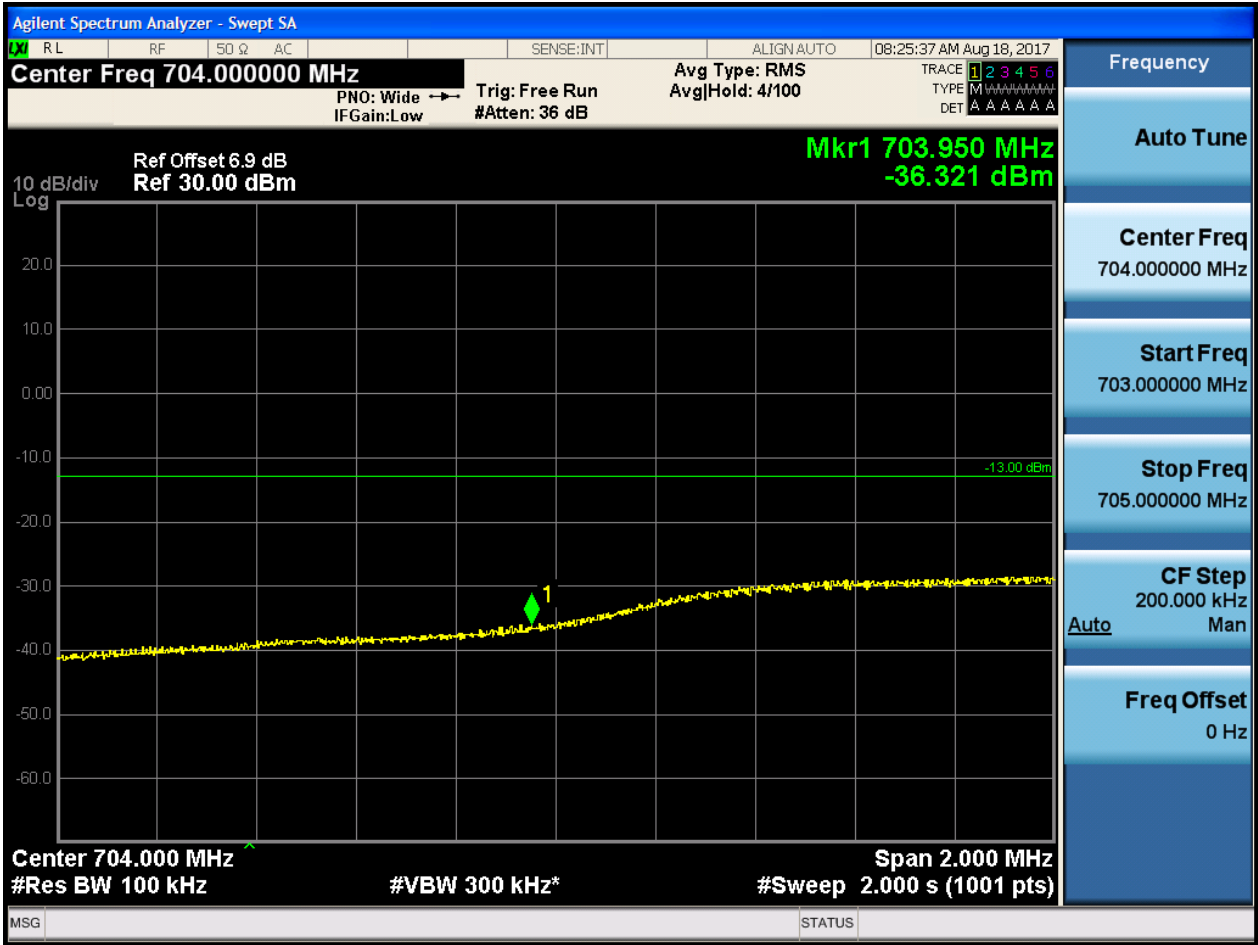


5.1.1.2.2.1.2 Test RB = RB1#49





5.1.1.2.2.1.3 Test RB = RB25#13





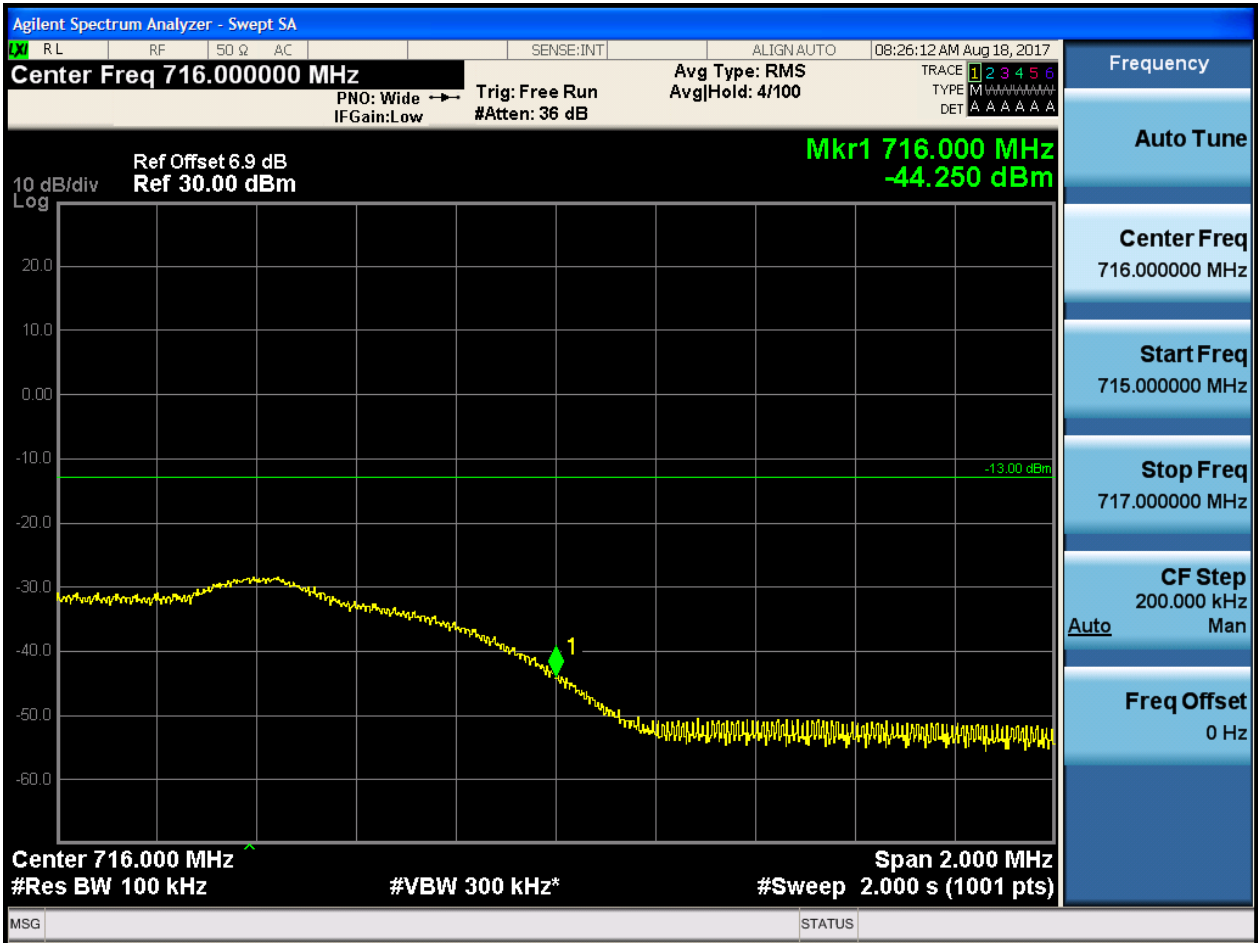
5.1.1.2.2.1.4 Test RB = RB50#0





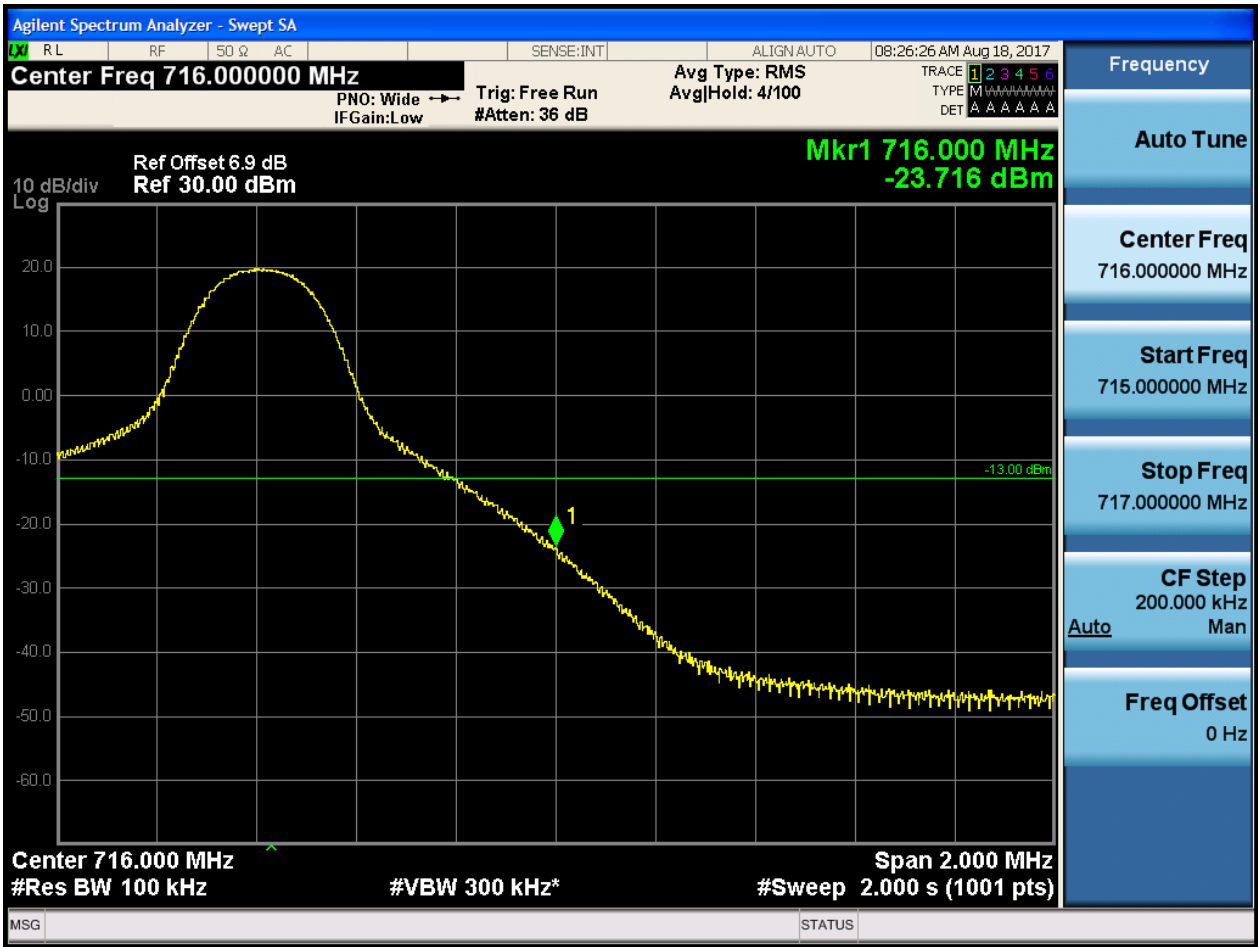
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#49





5.1.1.2.2.2.3 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

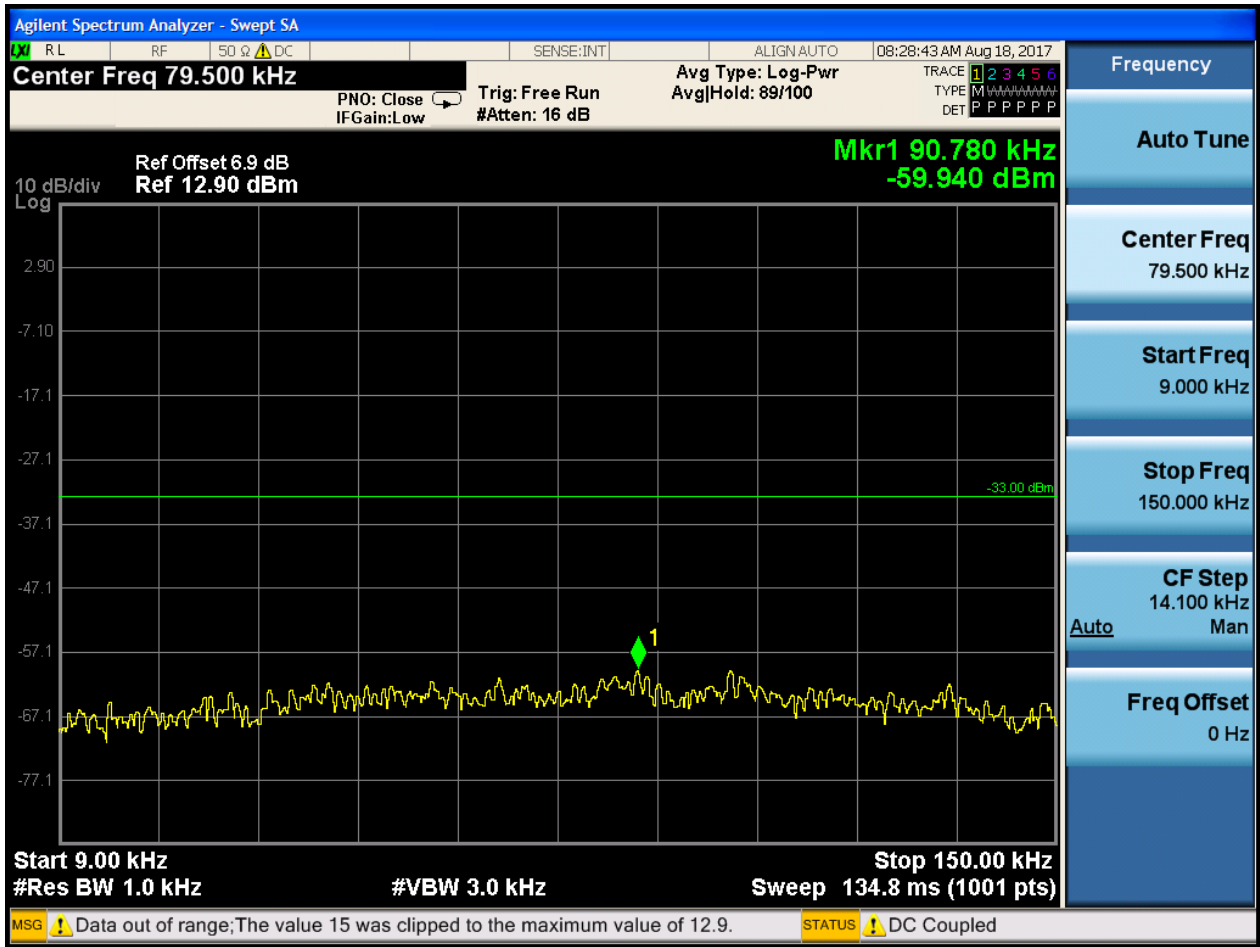
6.1.1 Test Band = BAND17

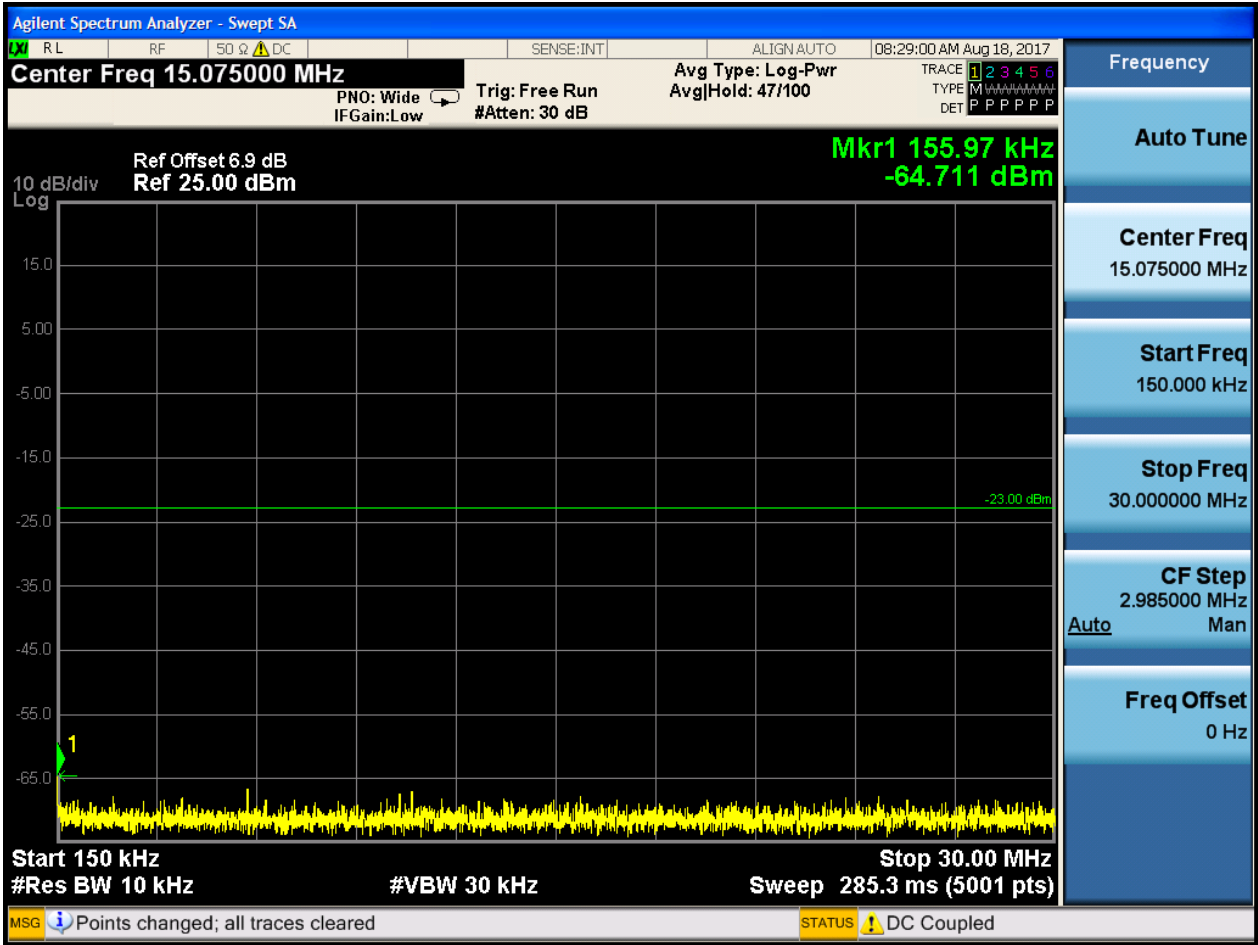
6.1.1.1 Test Mode = LTE/TM1

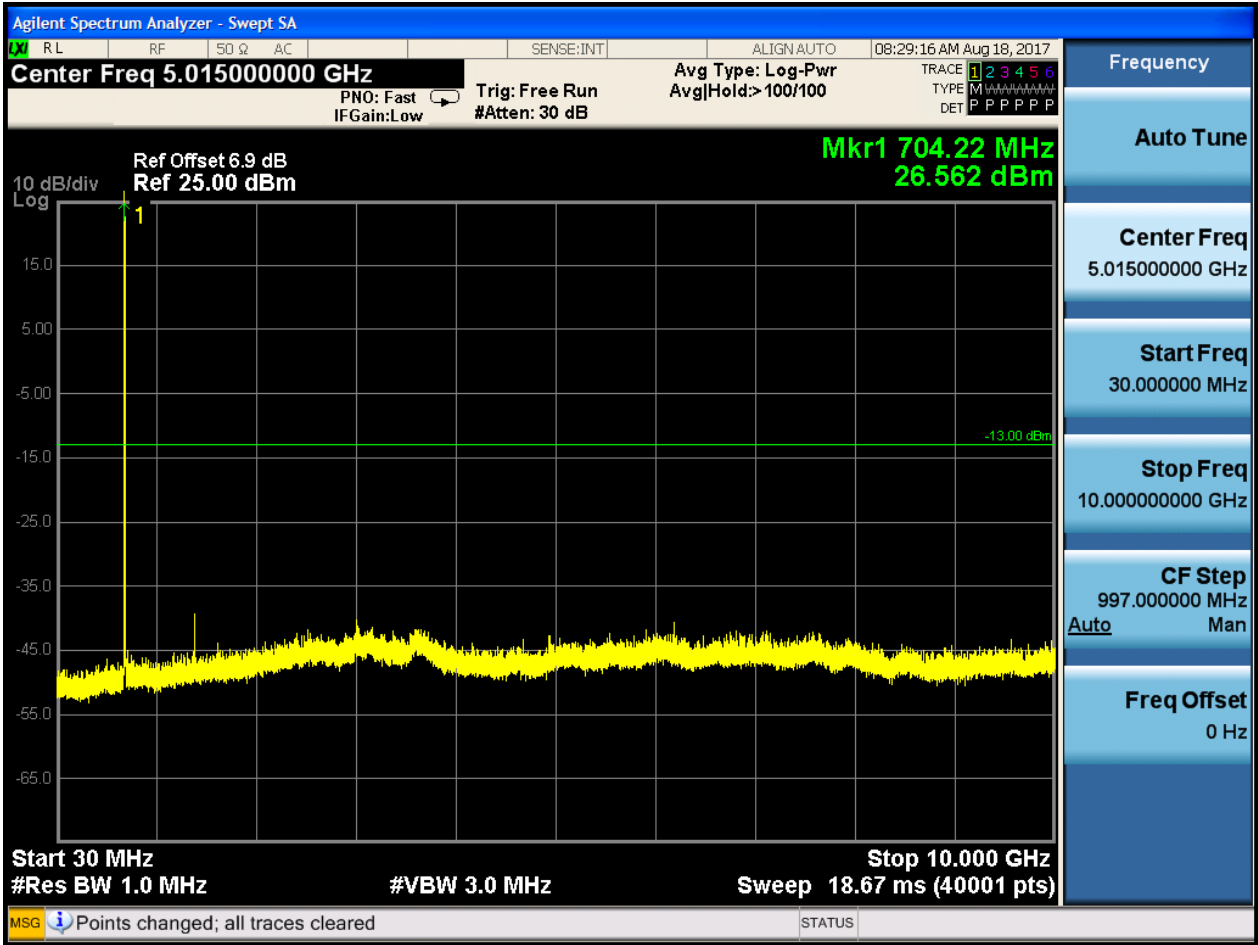
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



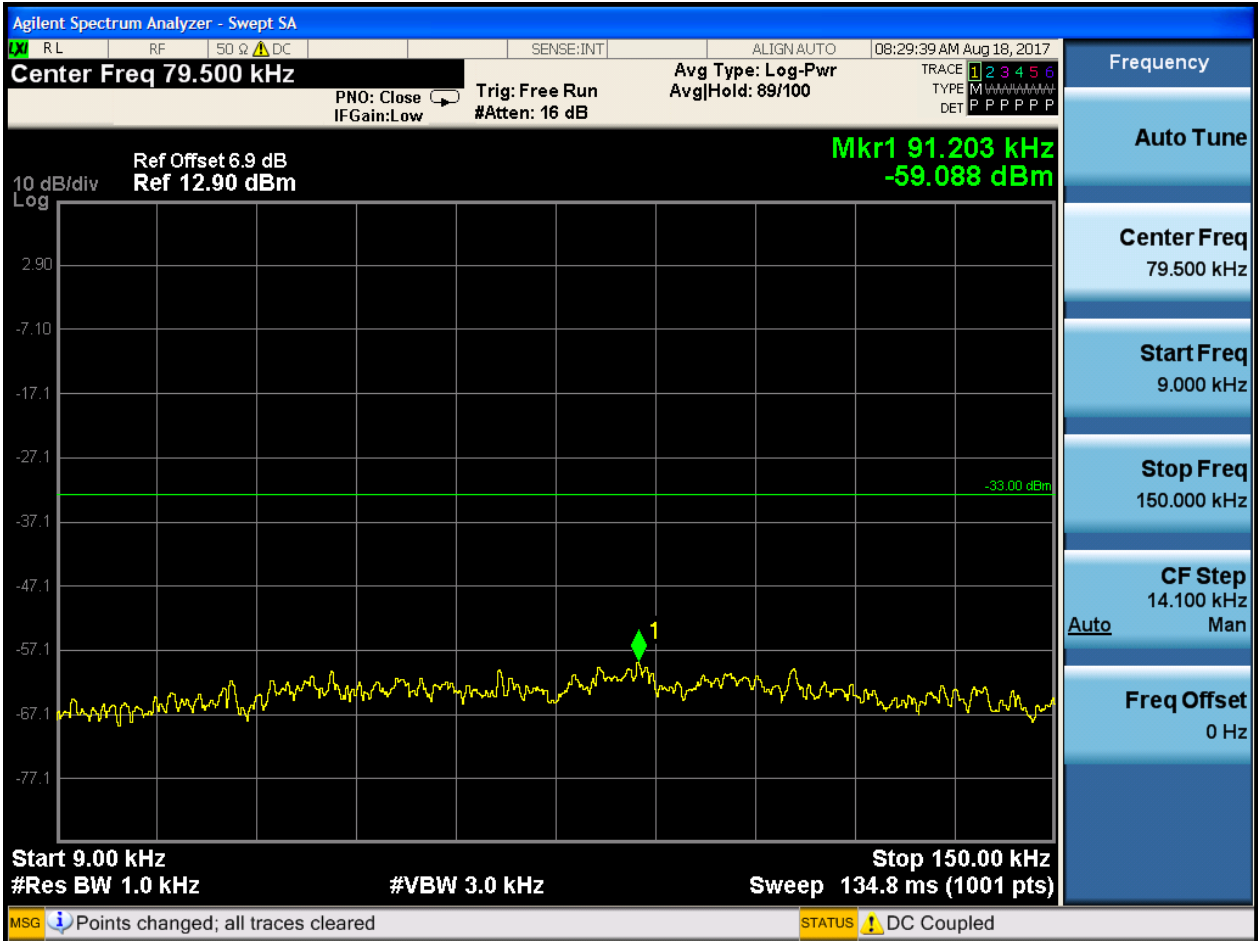


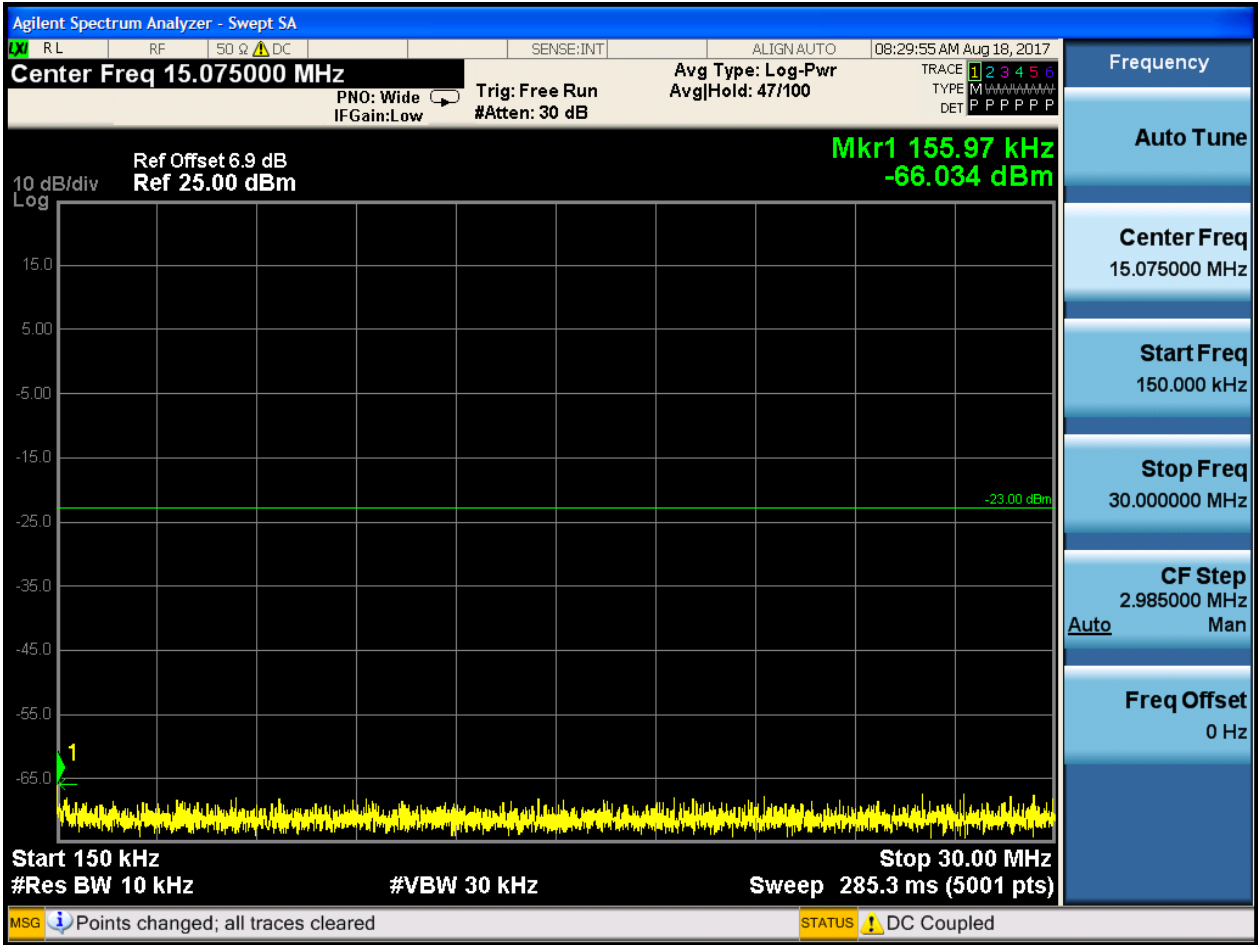


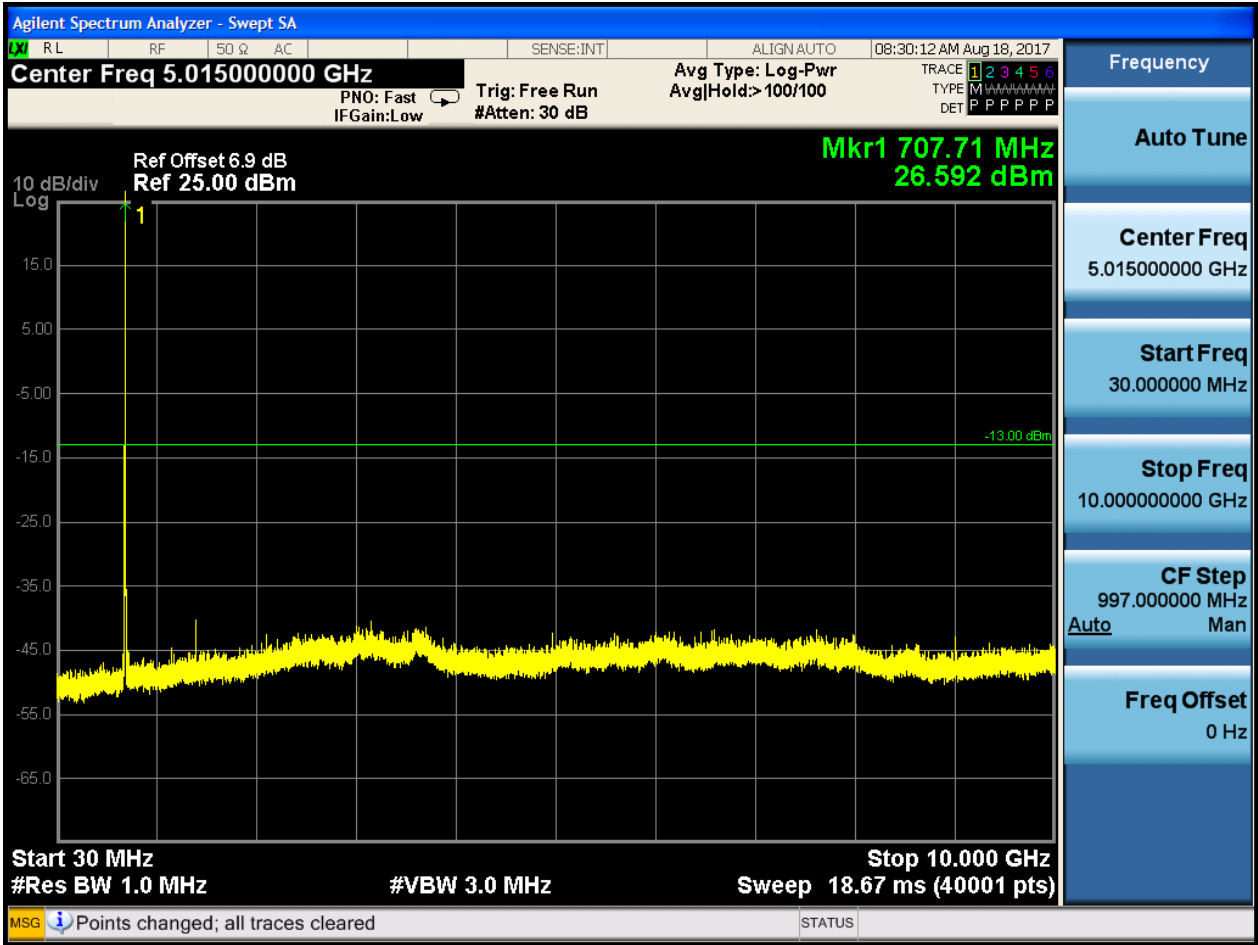


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



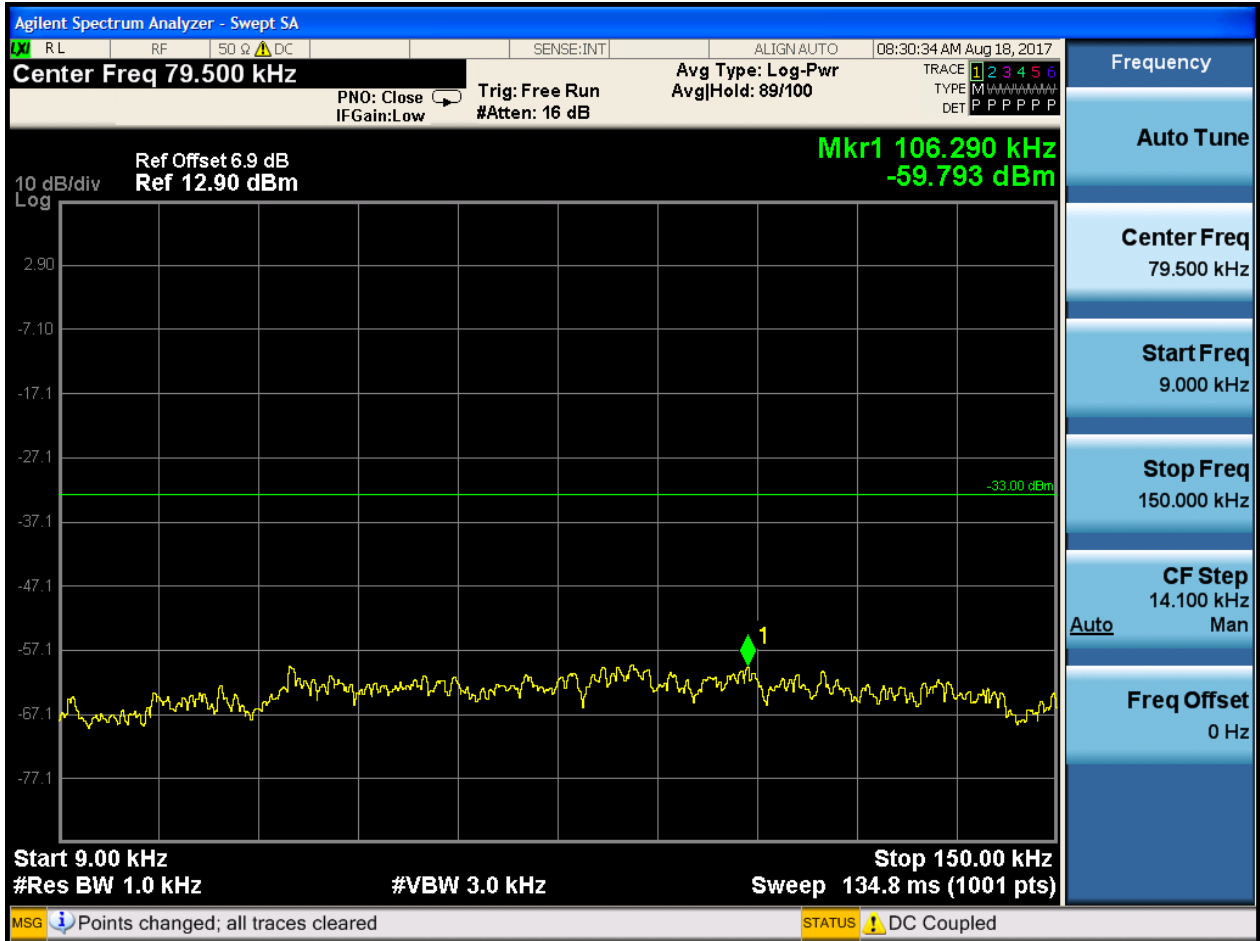


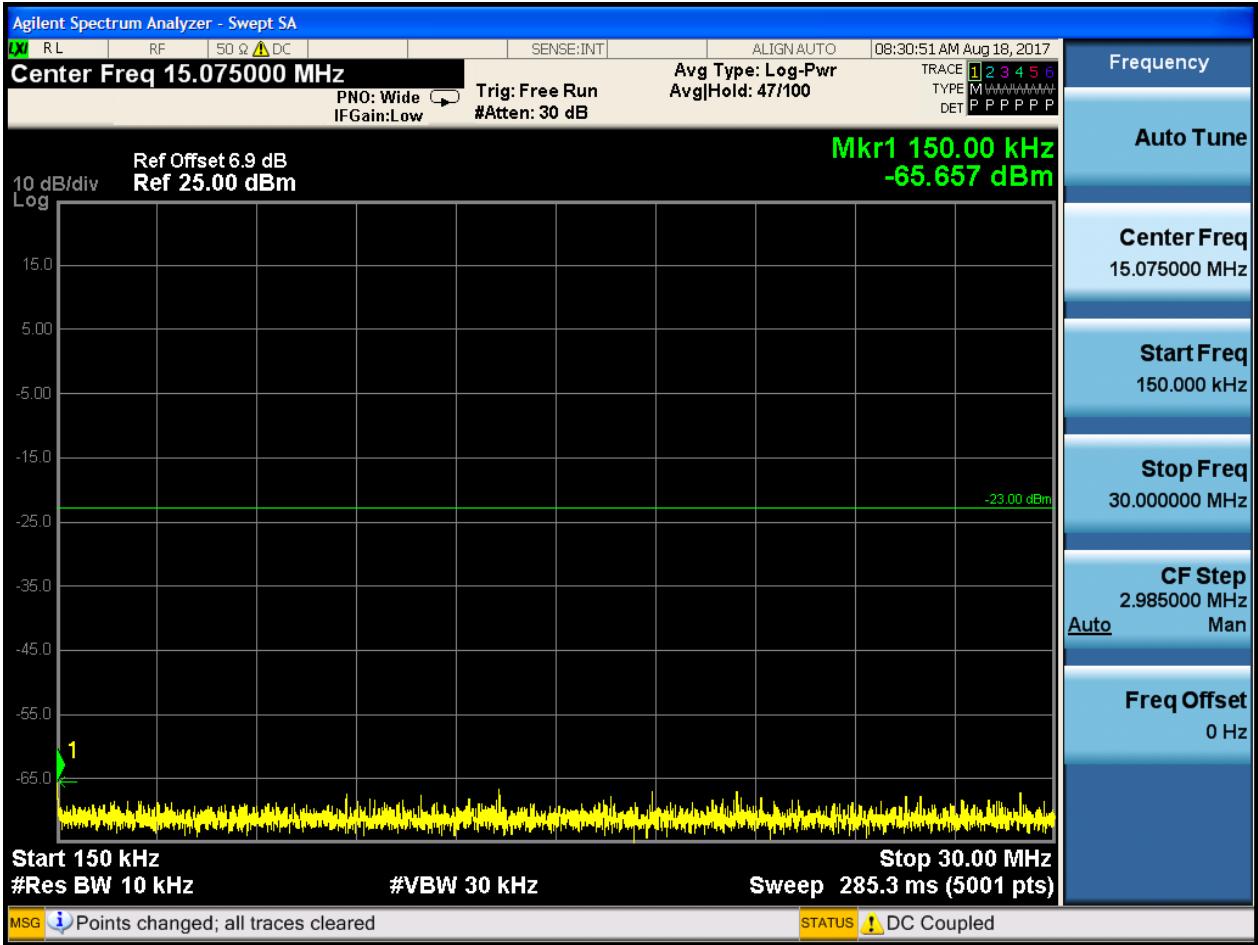


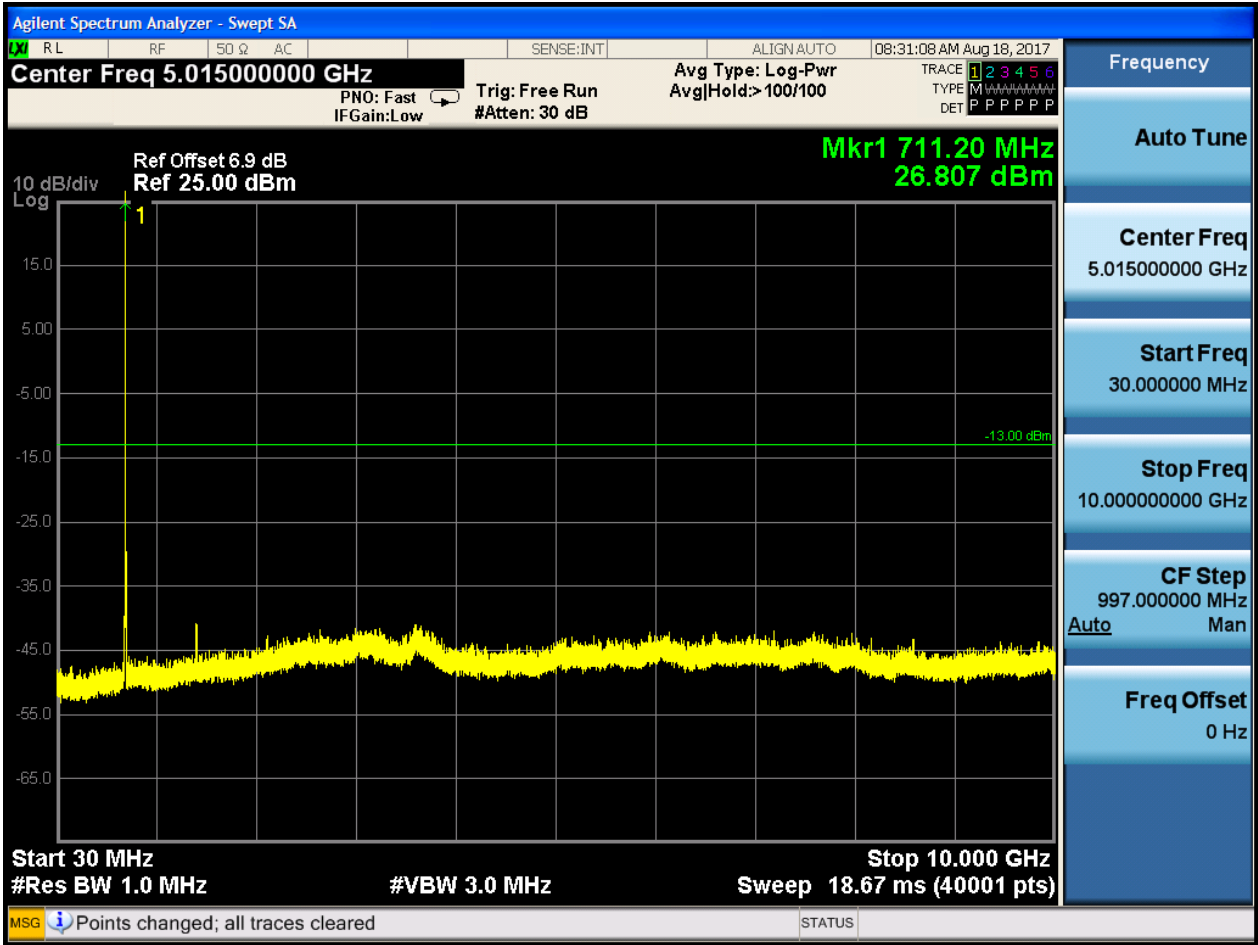


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





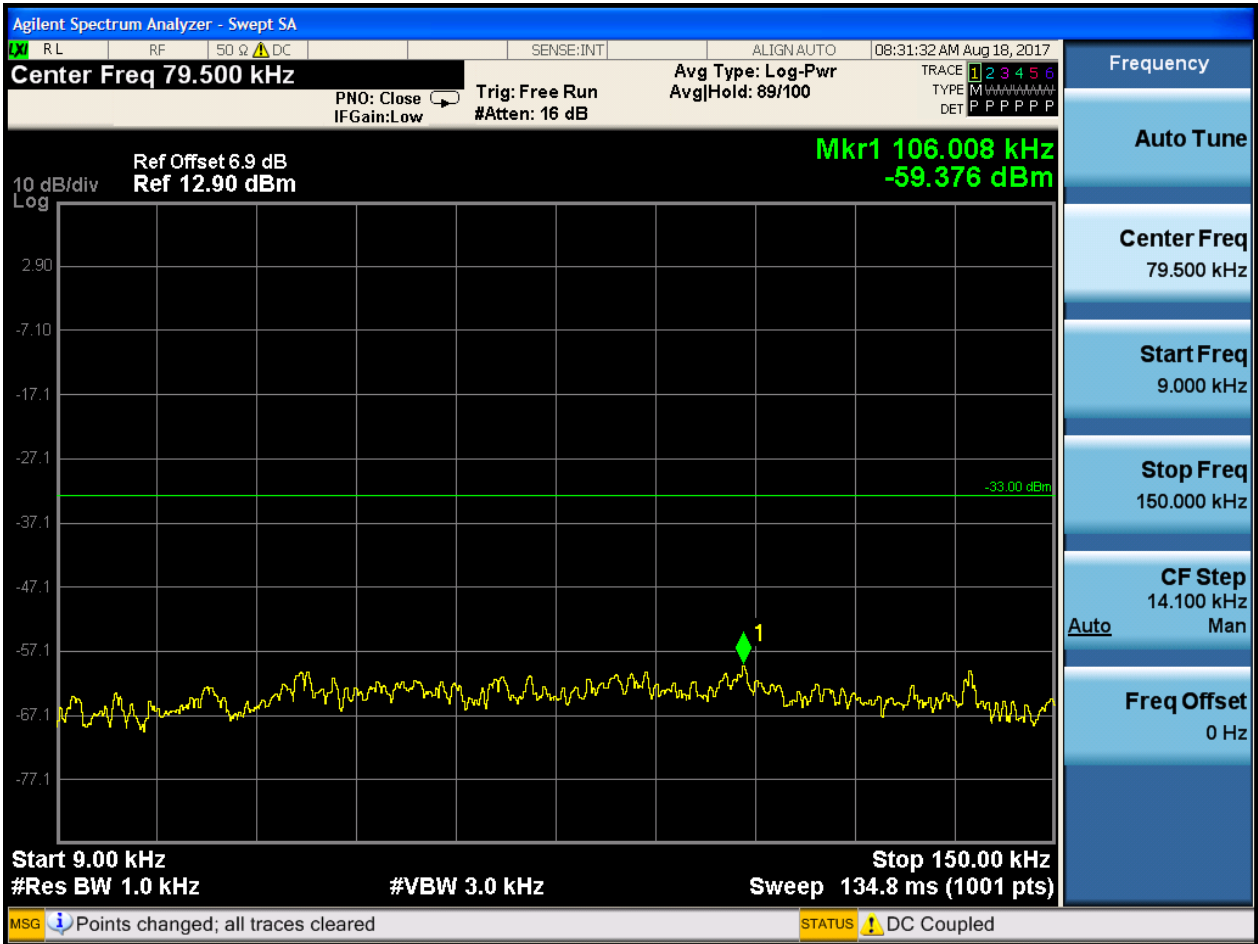


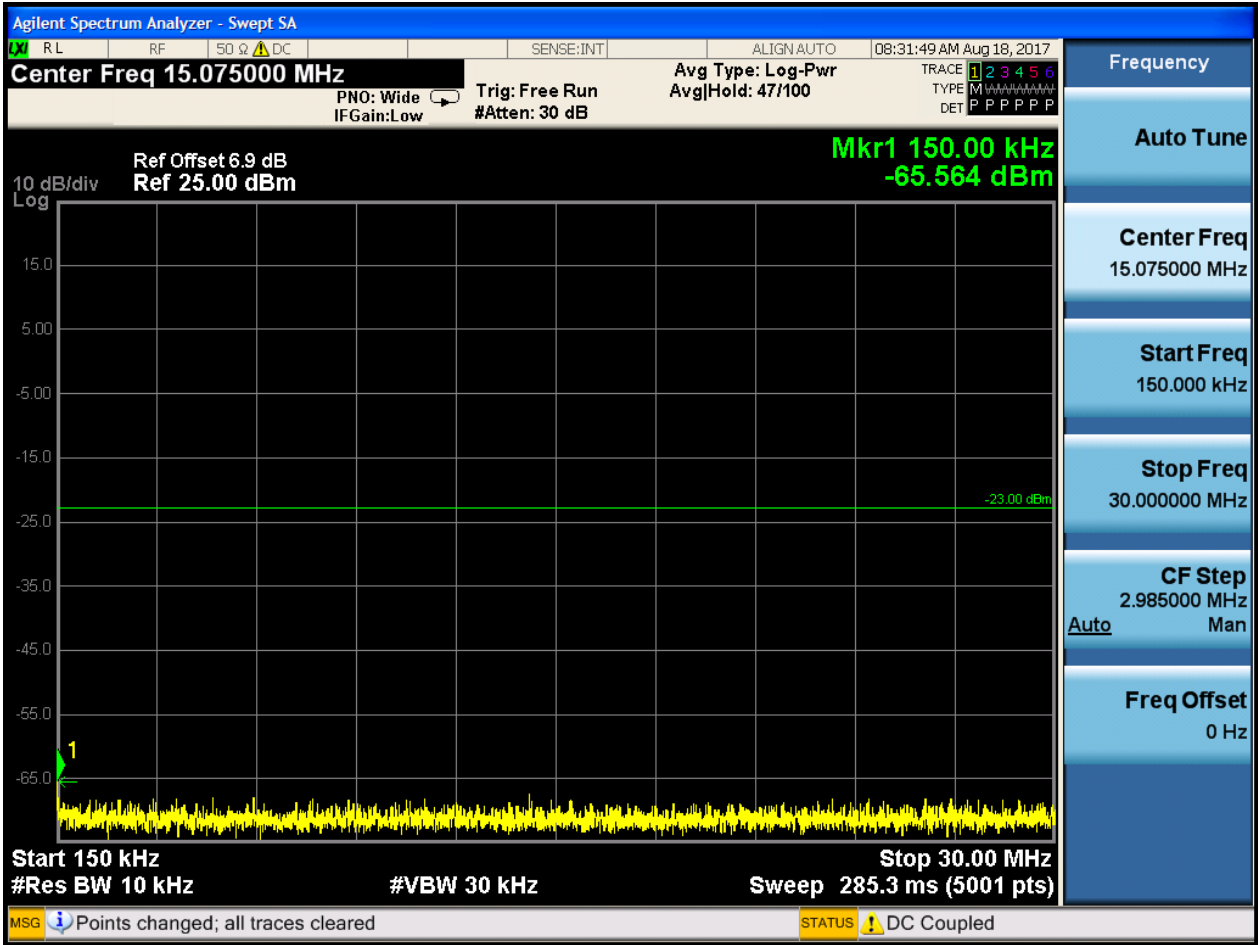


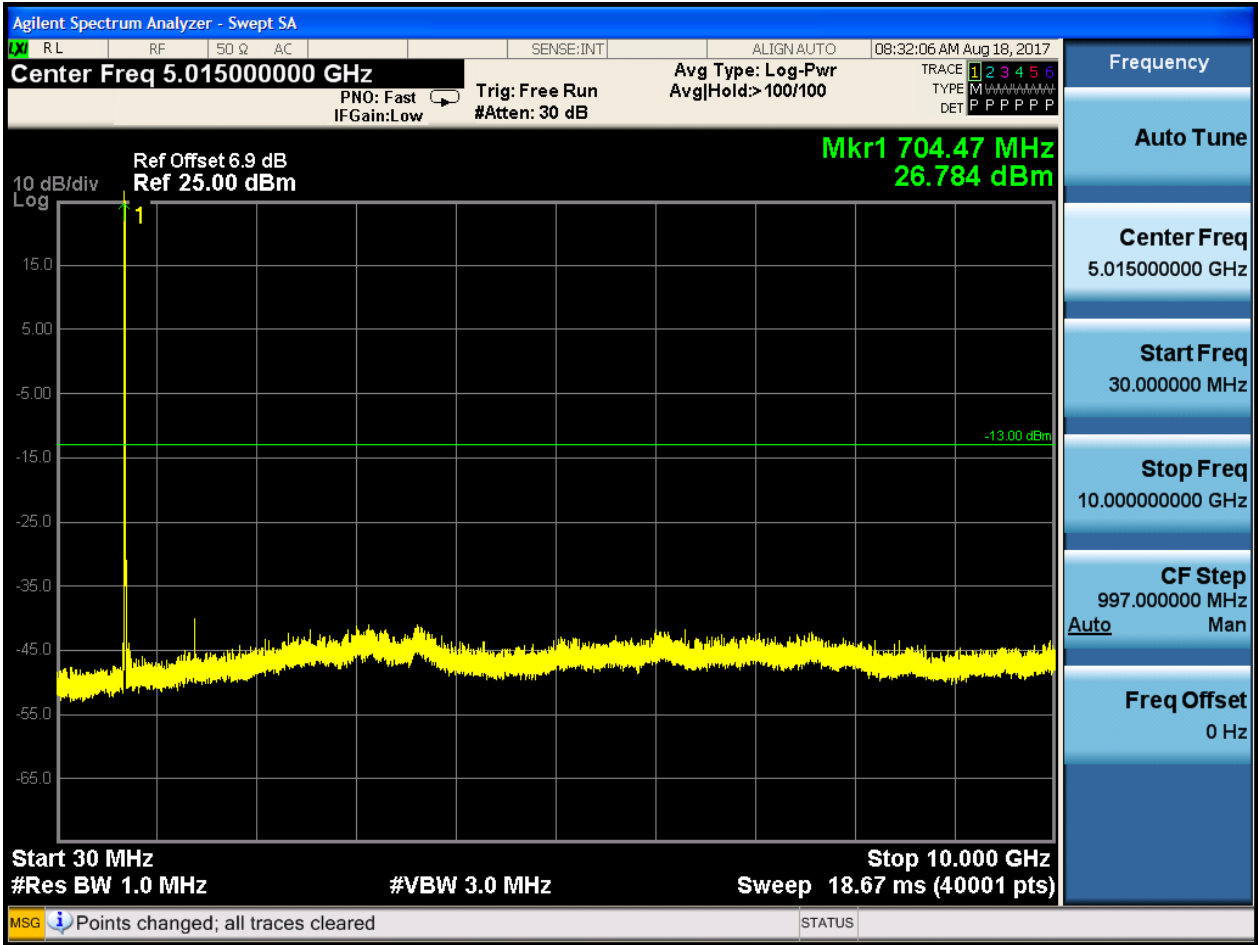
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



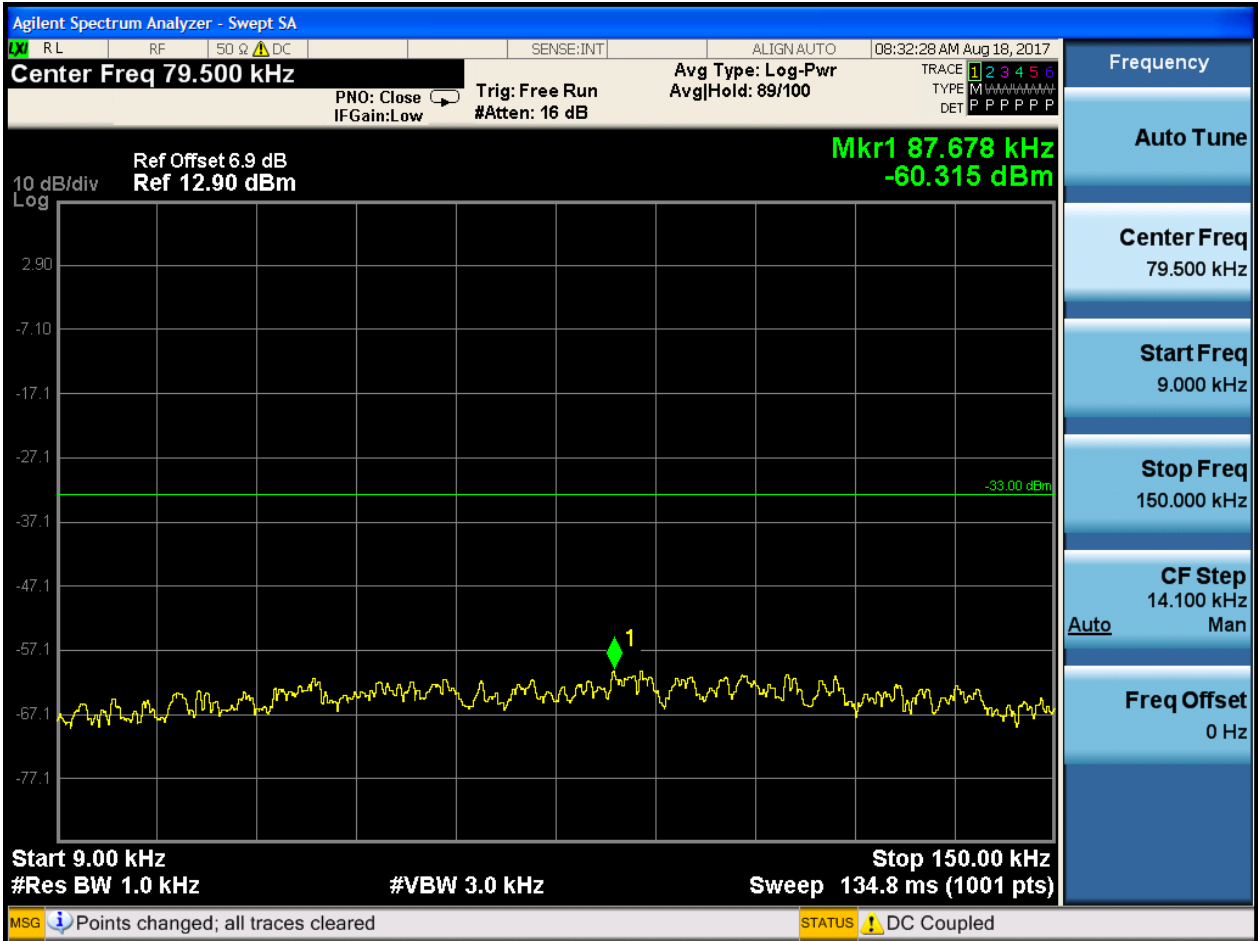


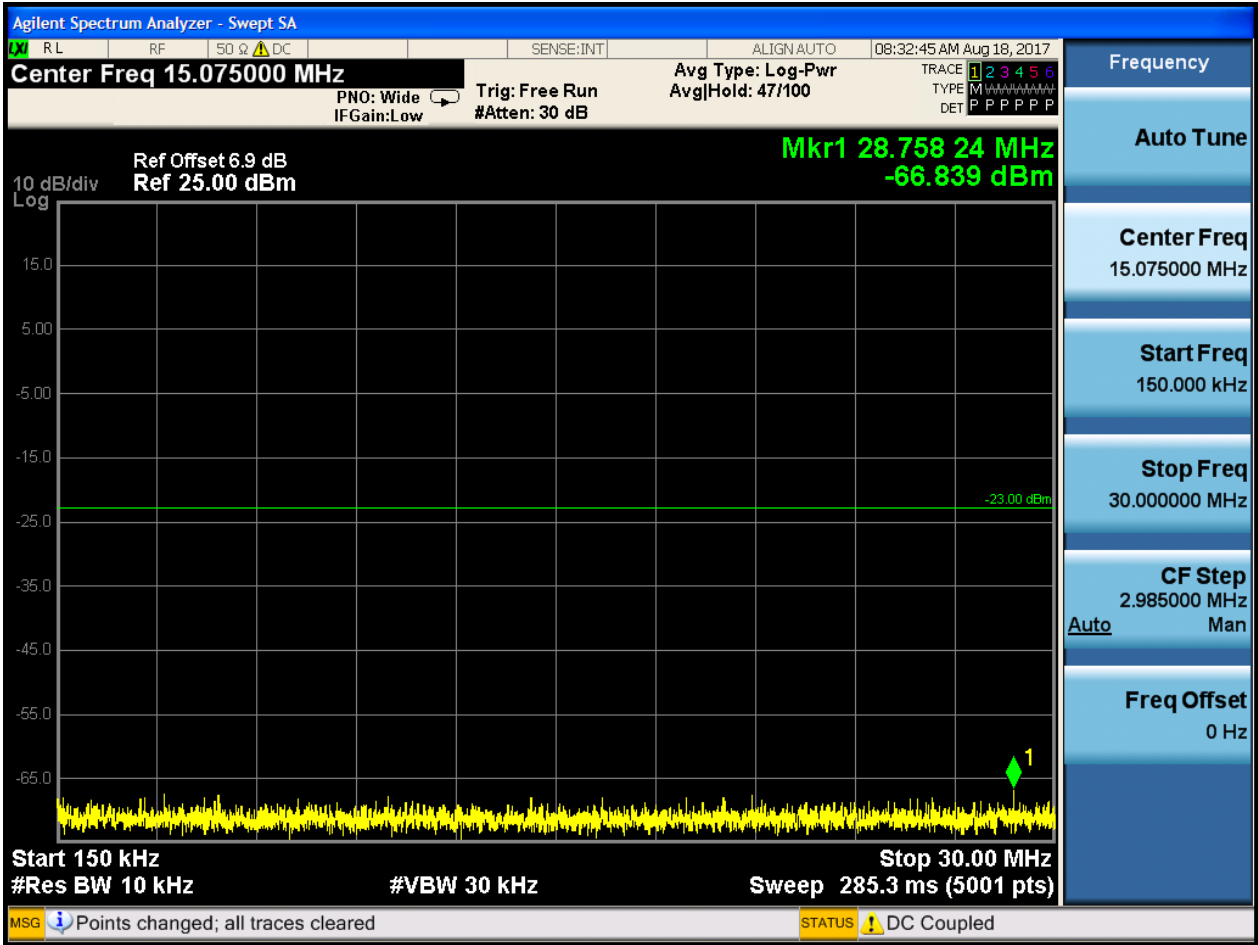


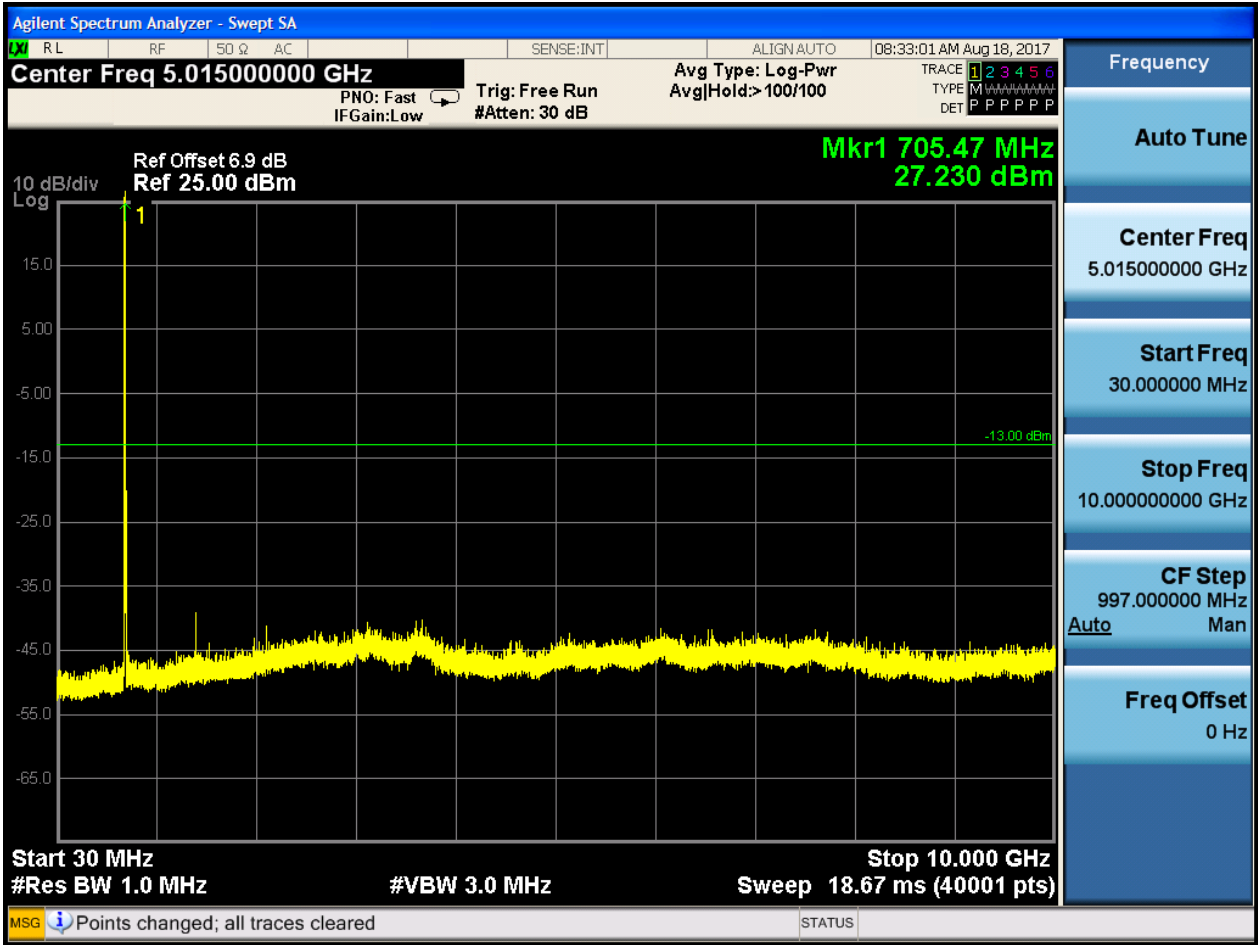


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



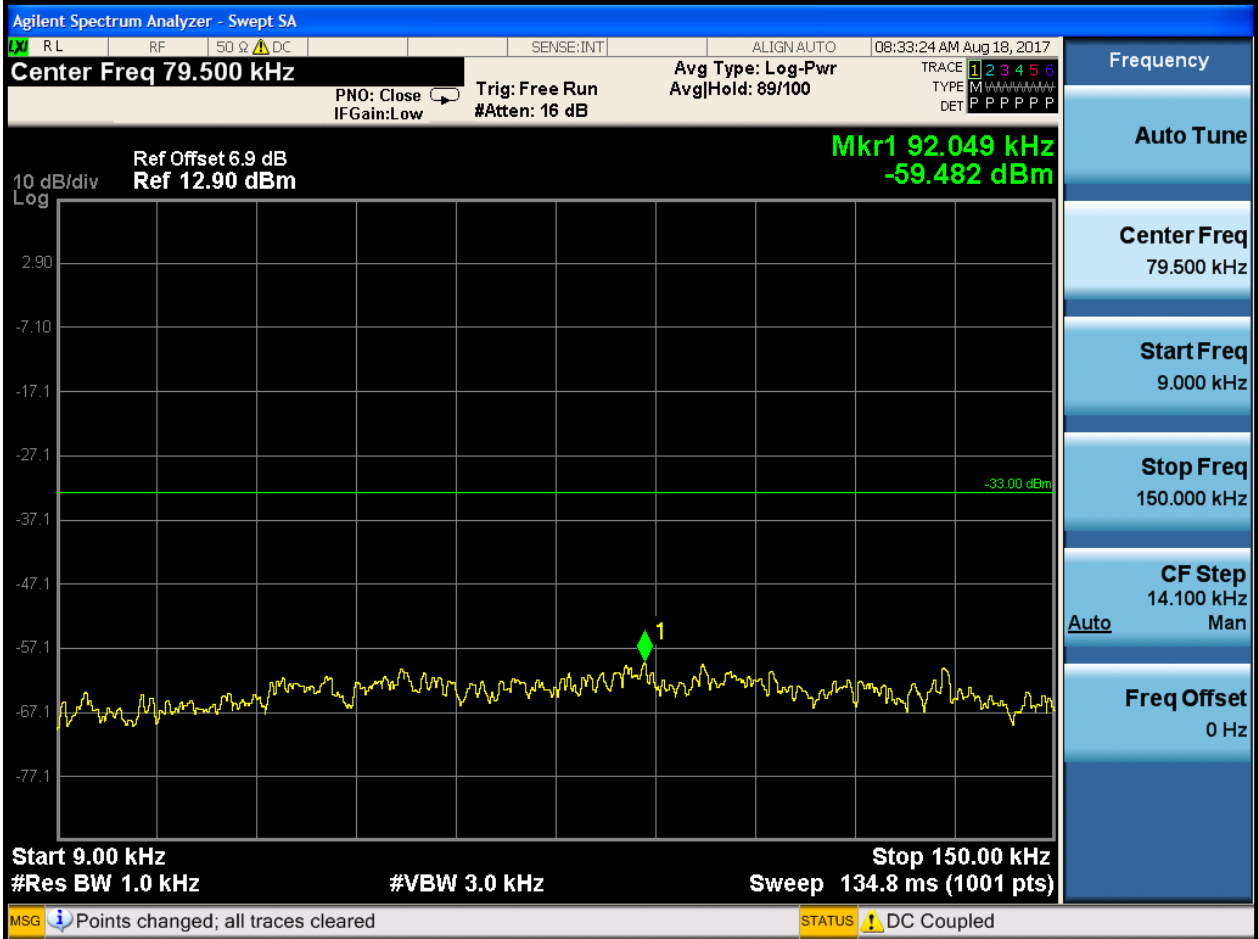


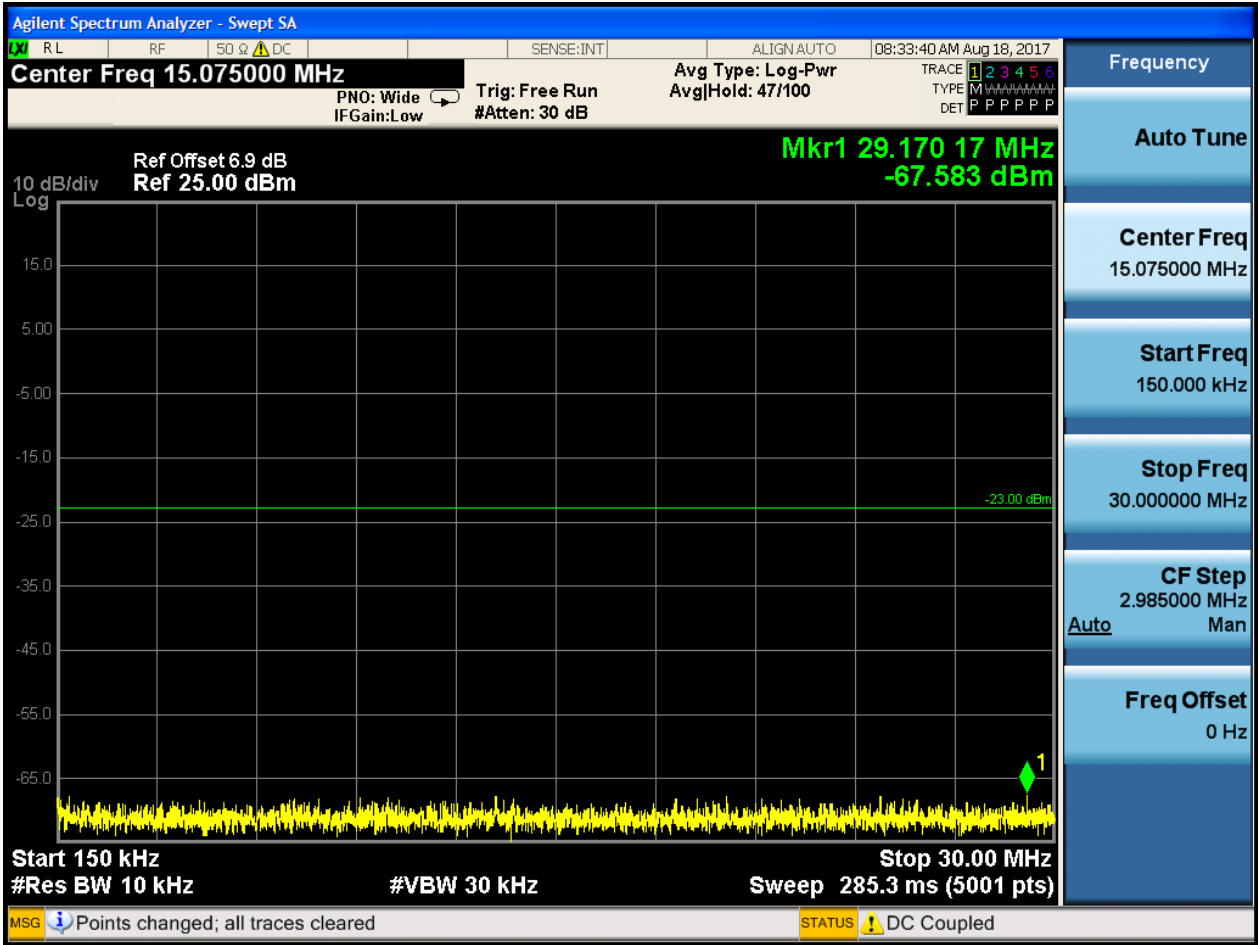


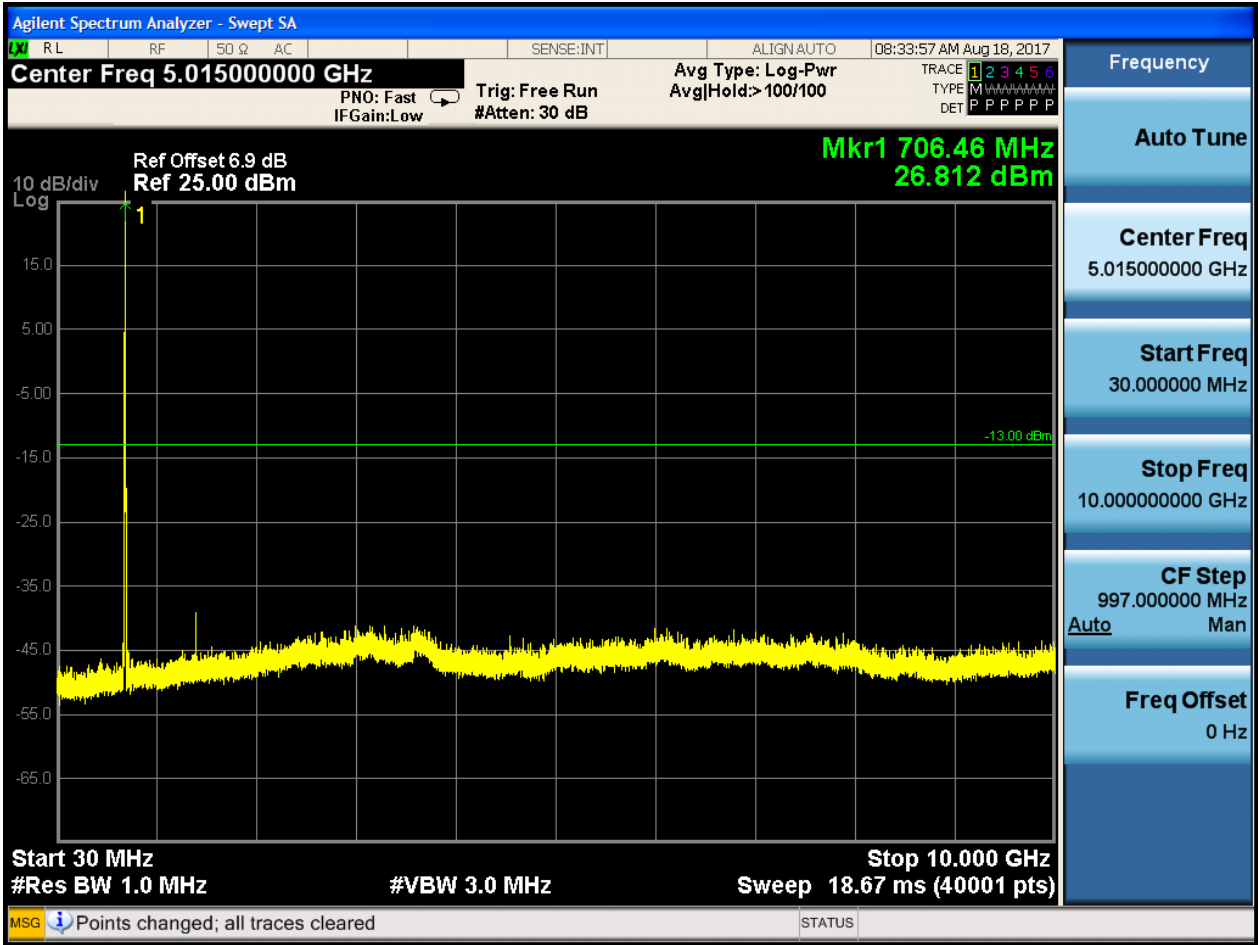


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







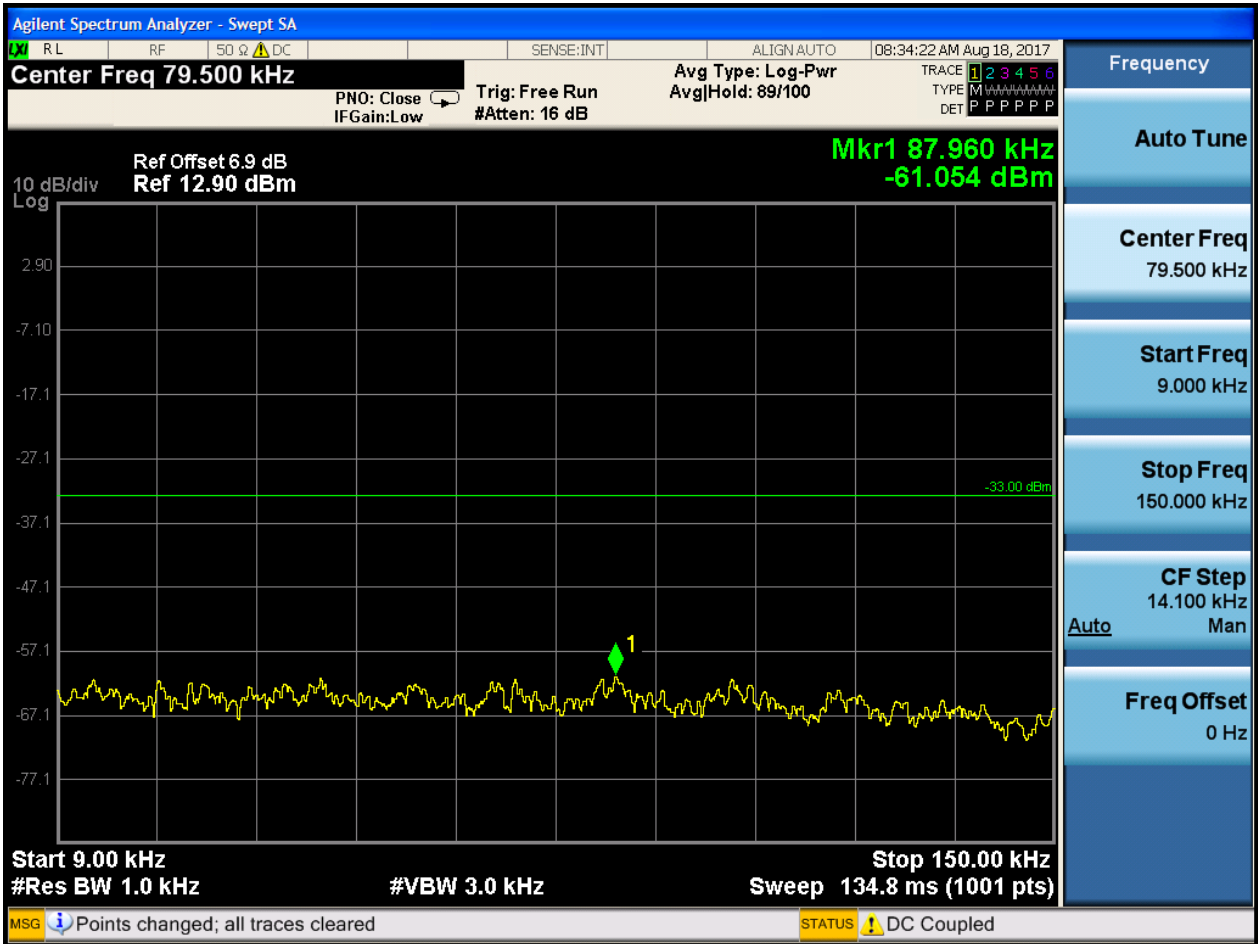


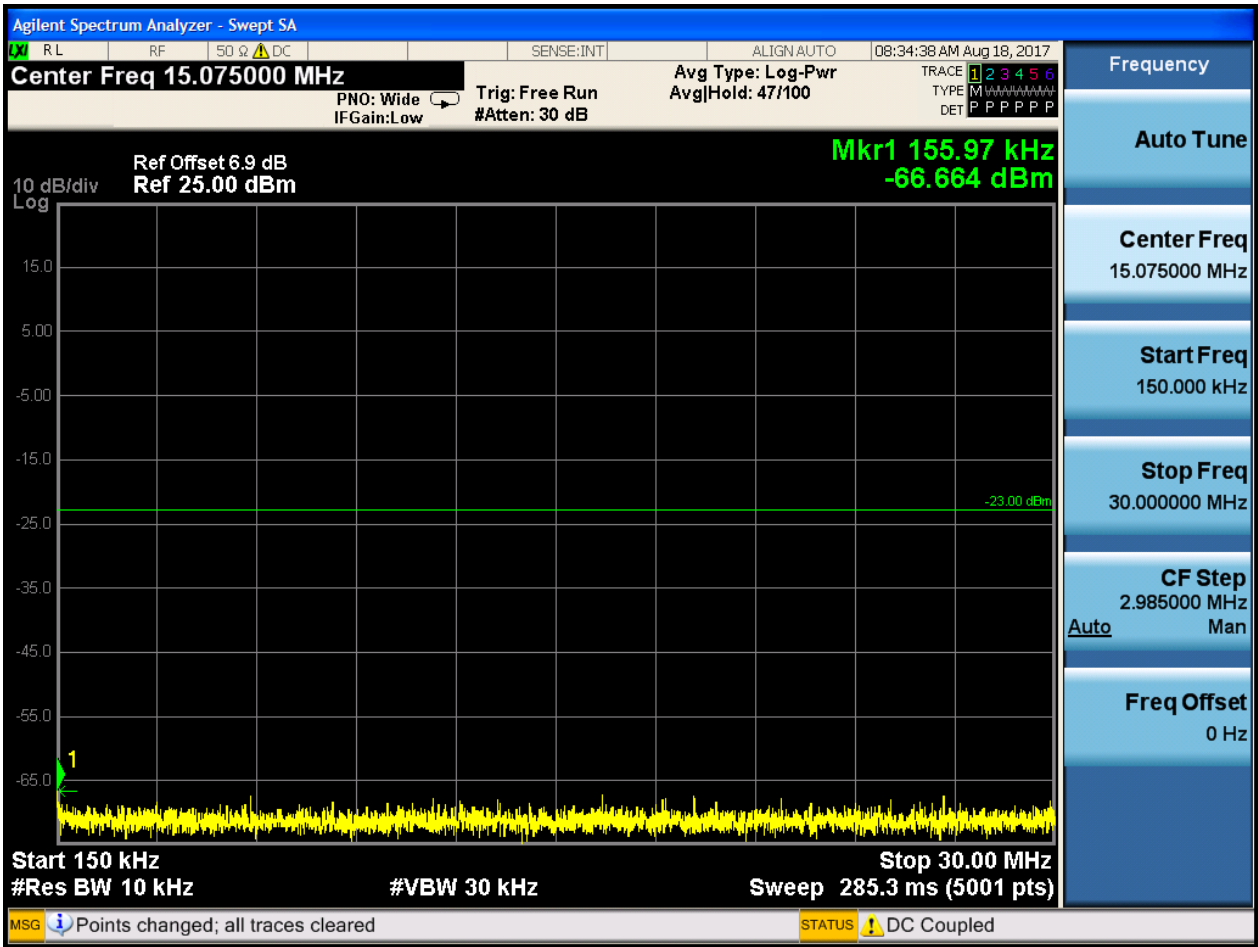
6.1.1.2 Test Mode = LTE/TM2

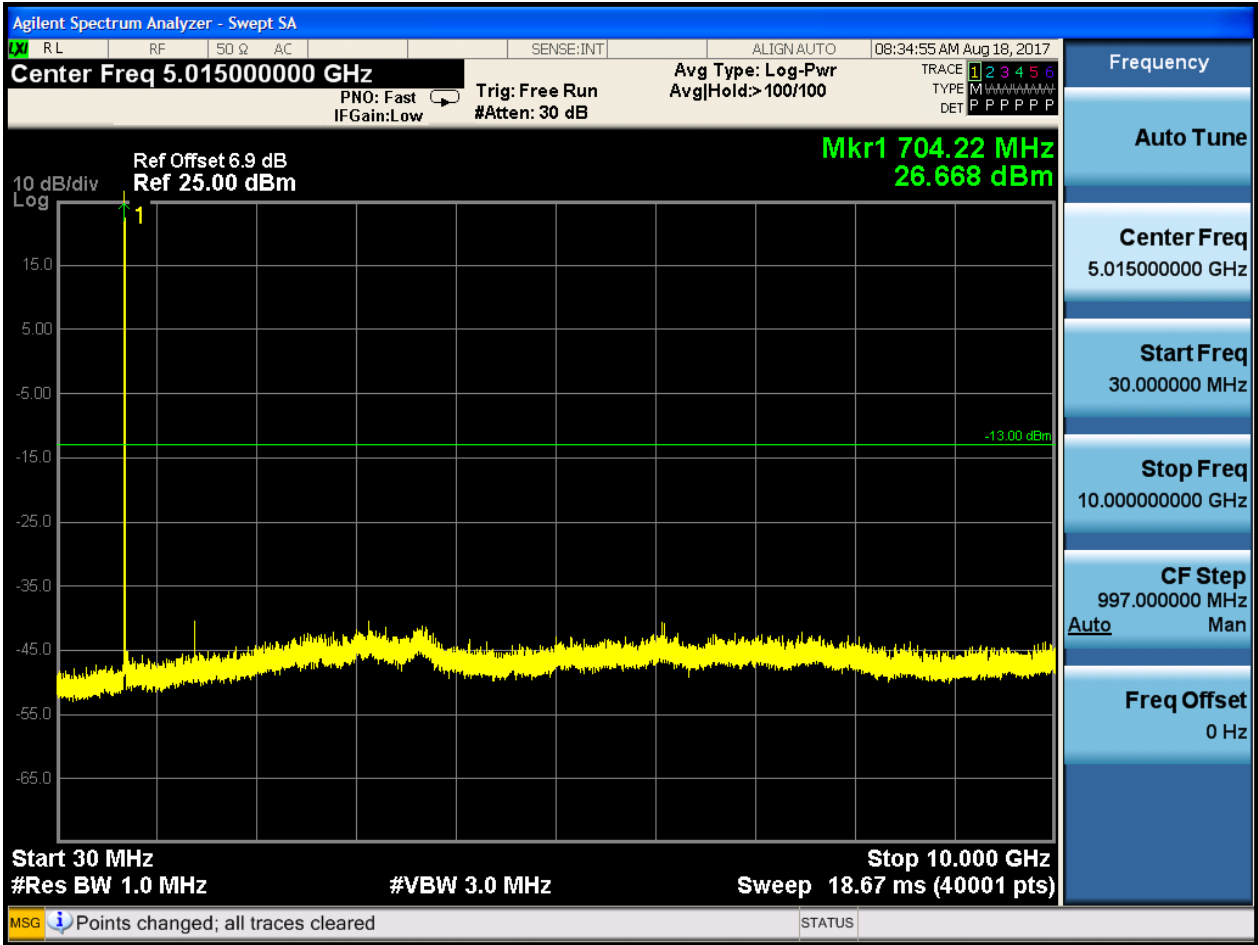
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



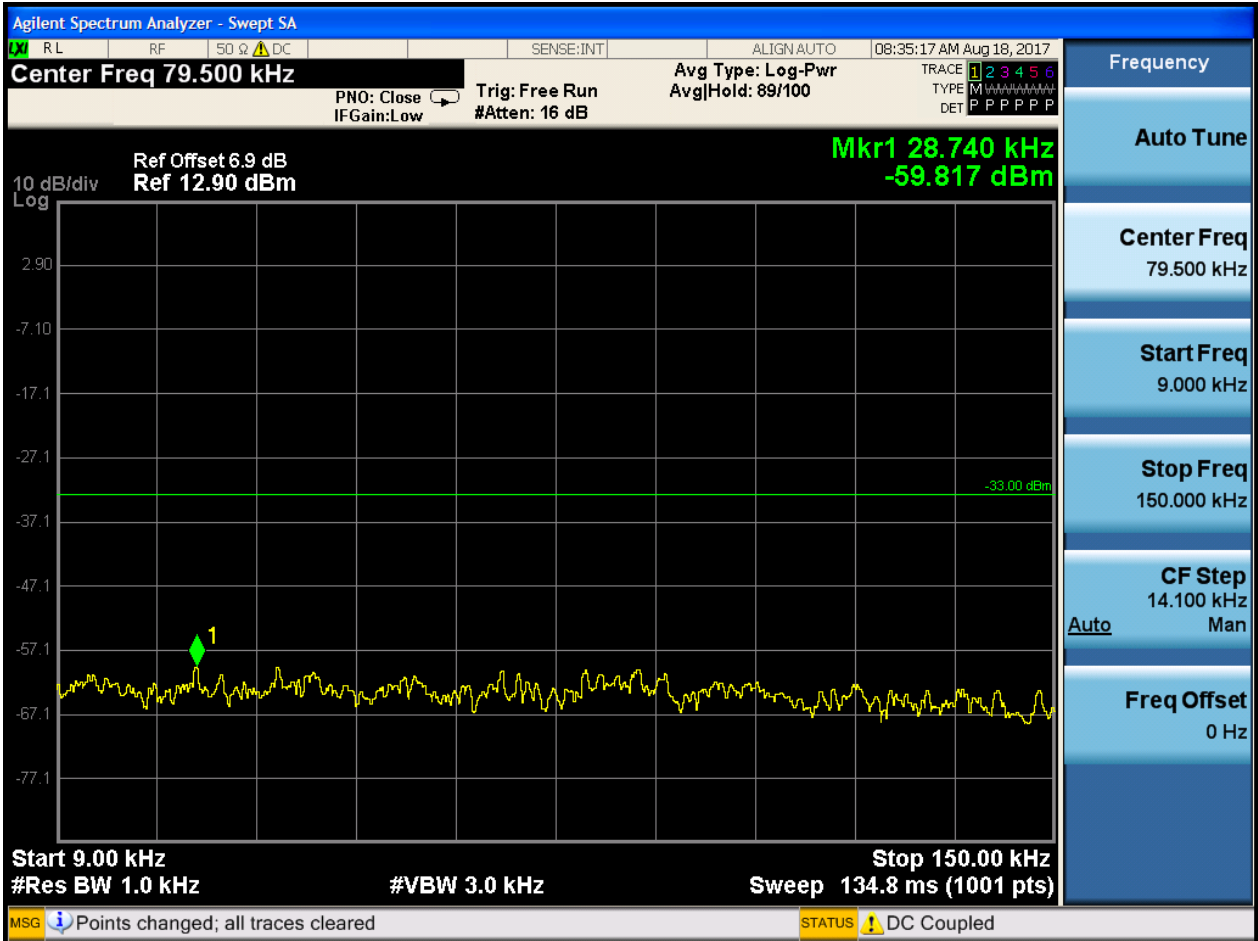


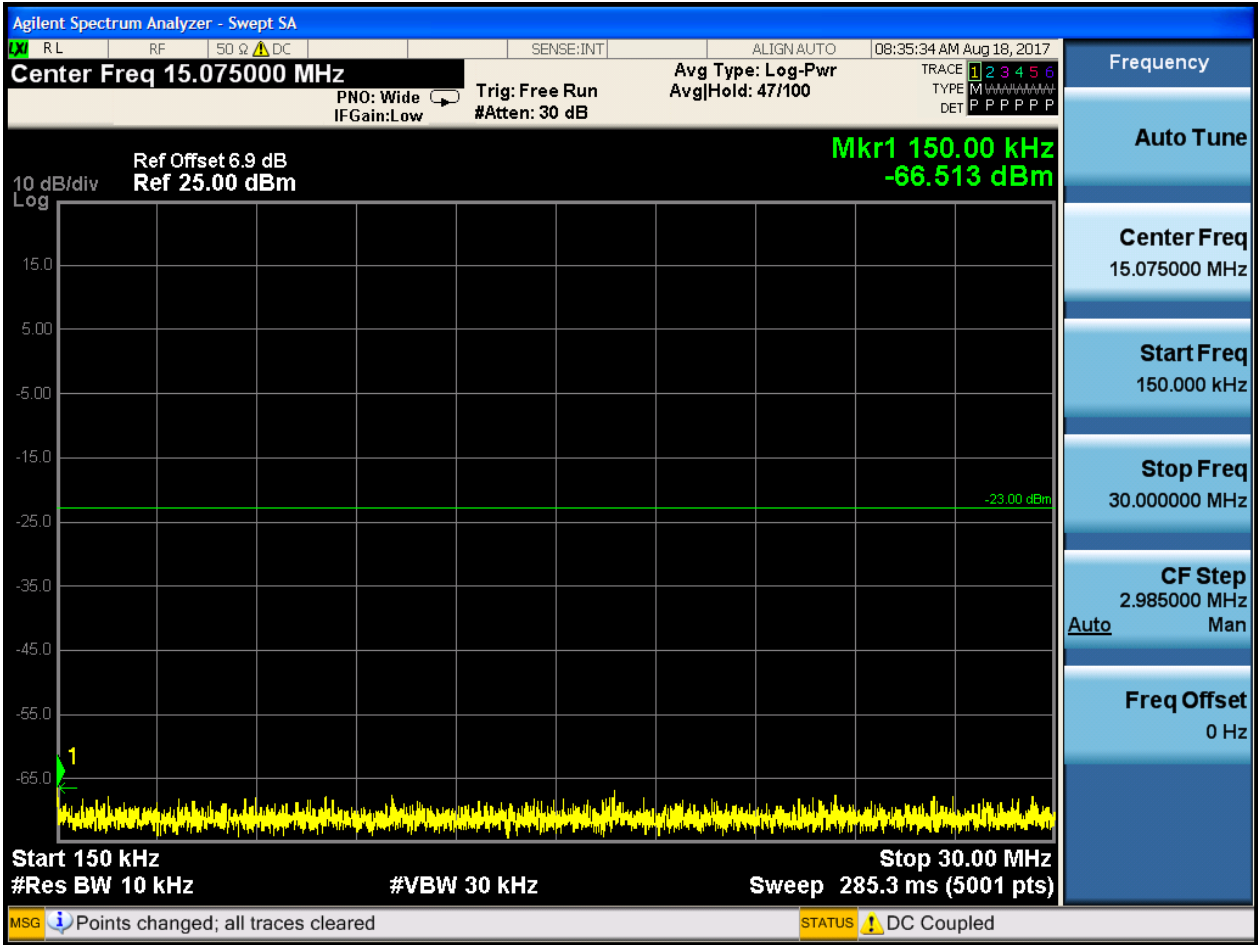


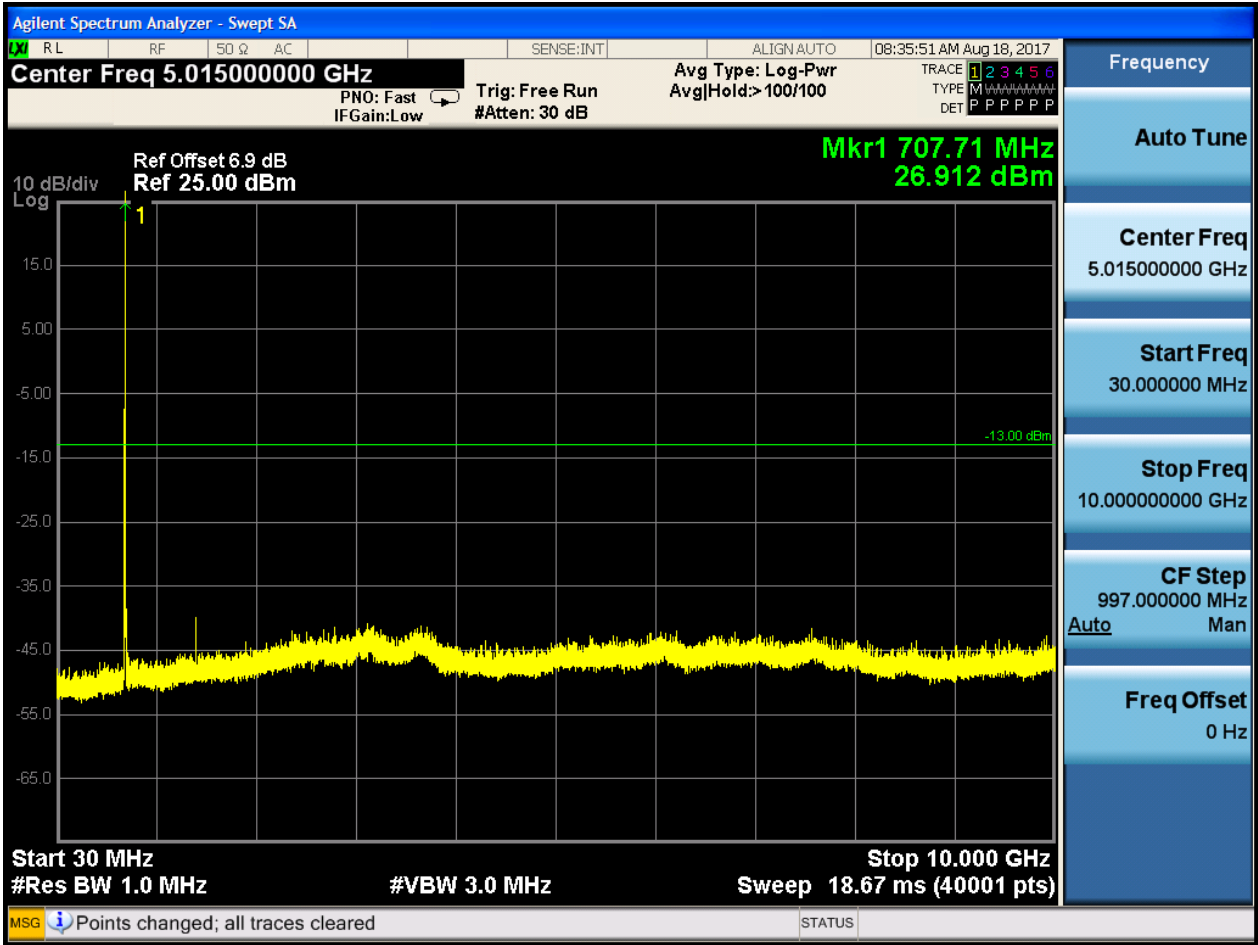


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



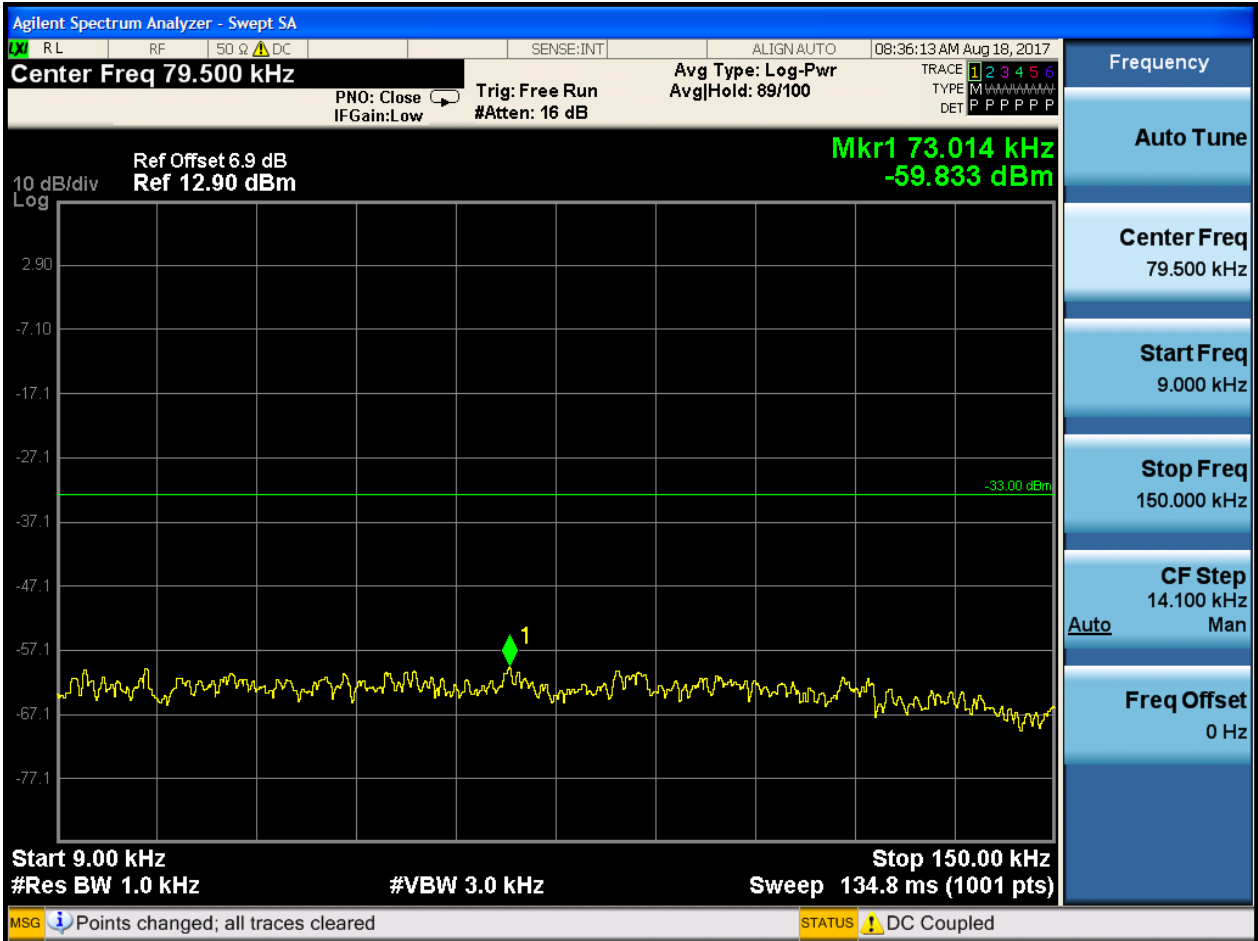


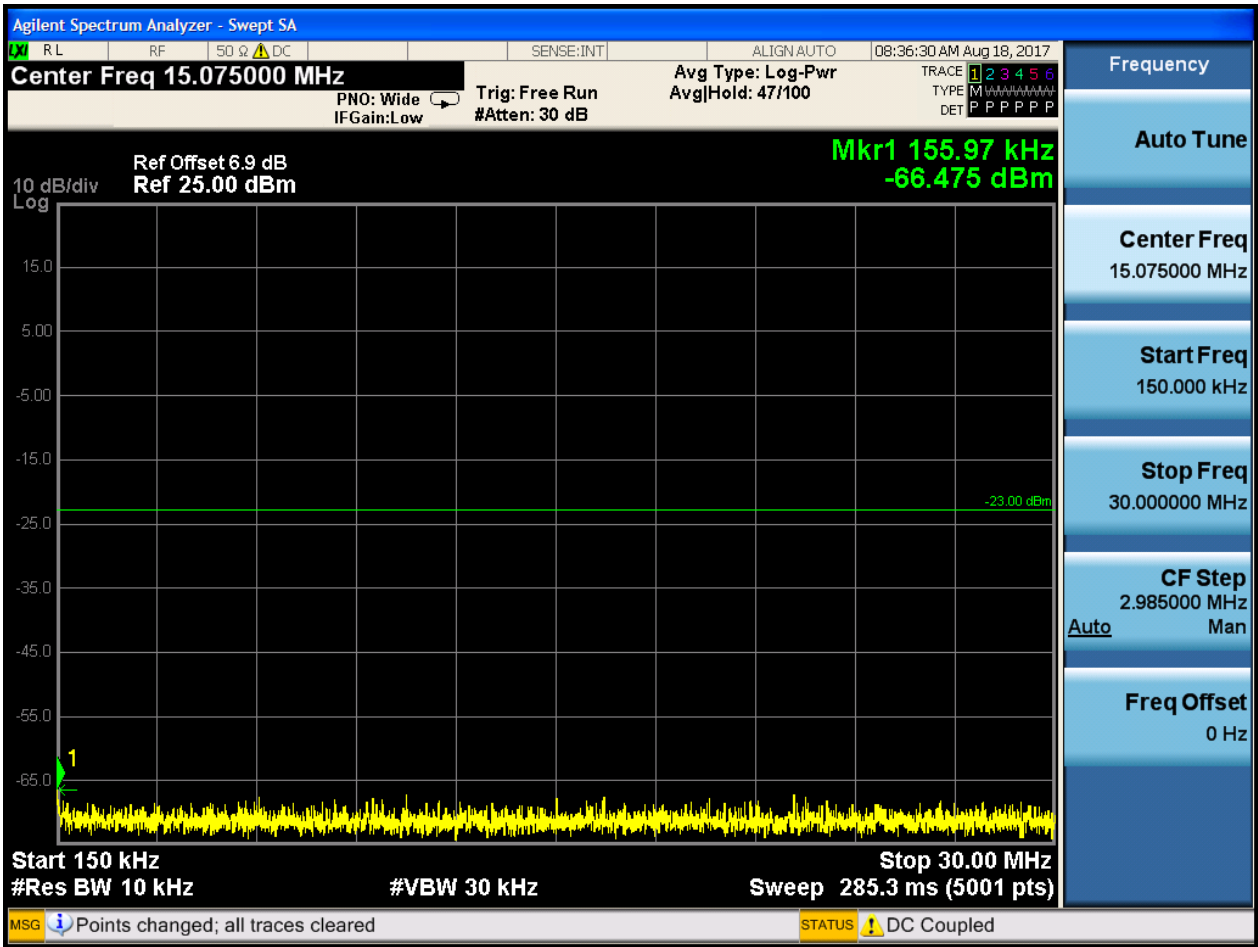


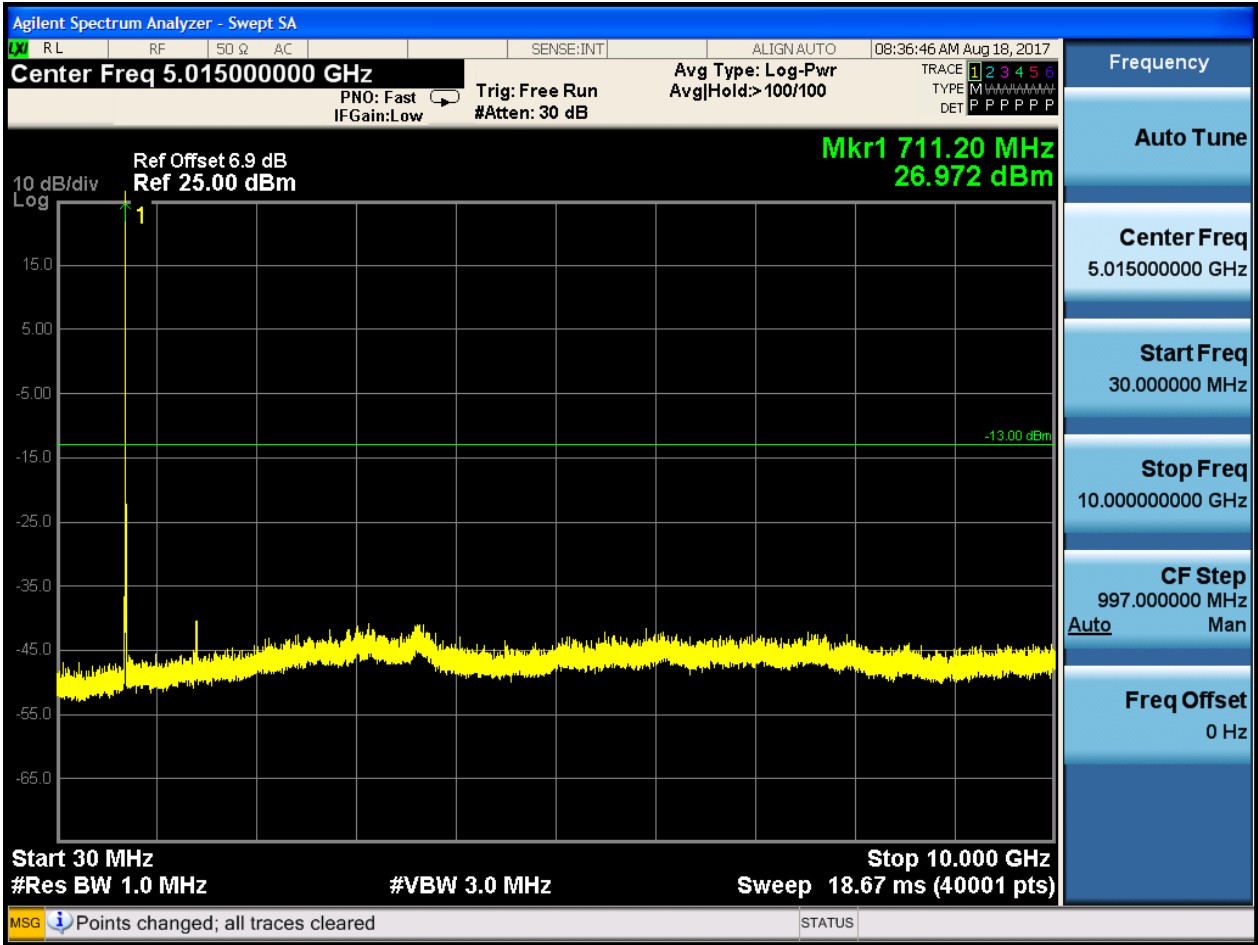


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





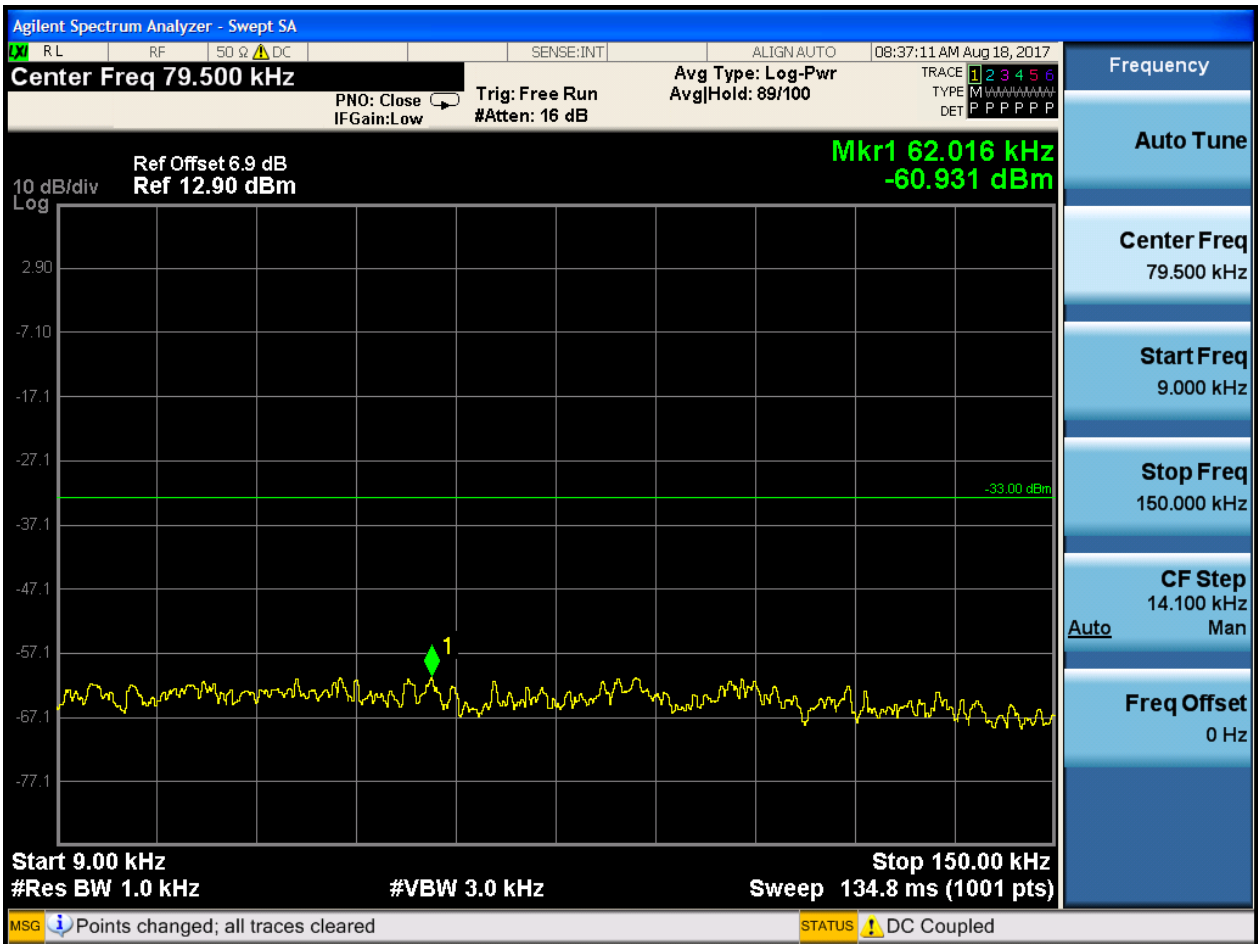


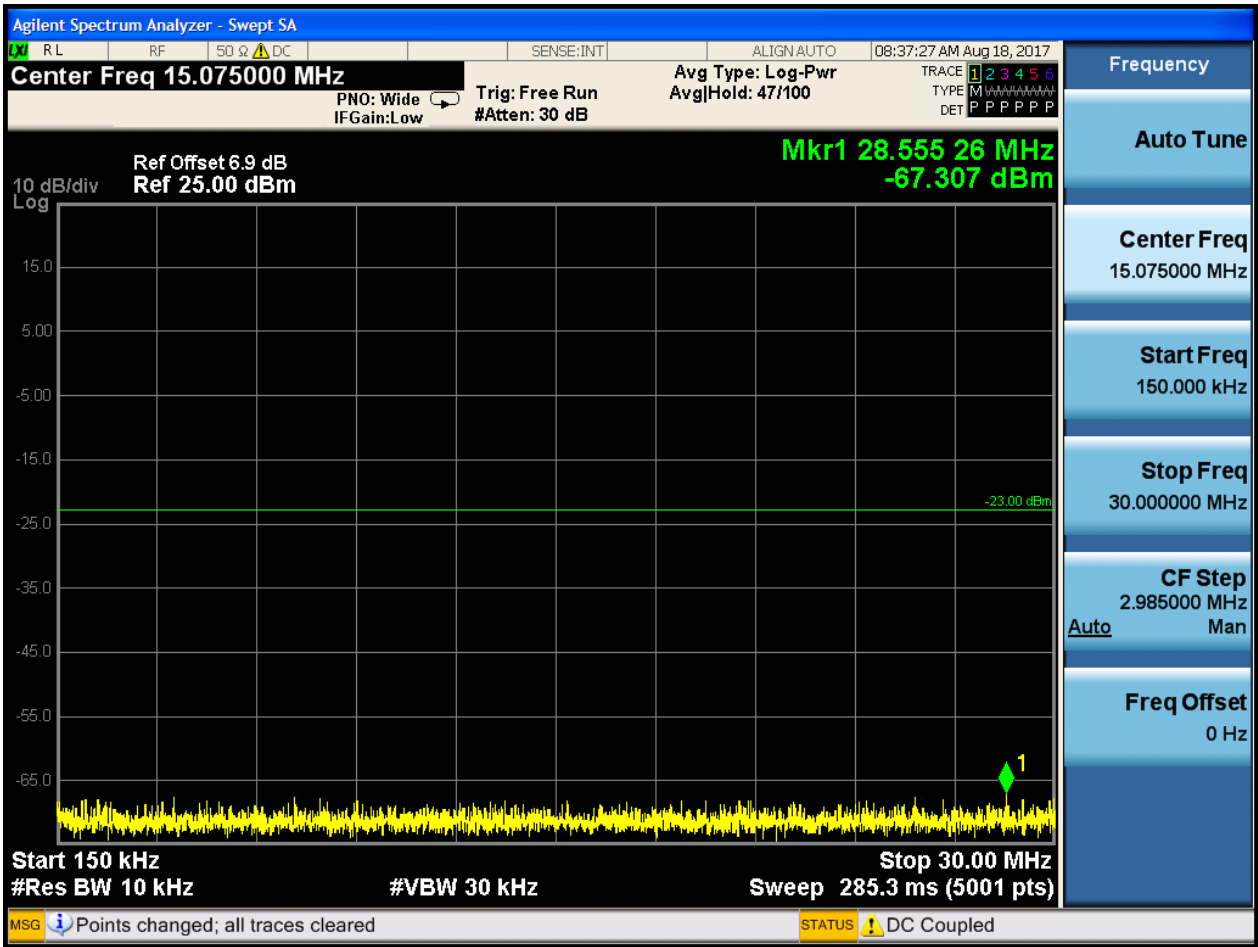


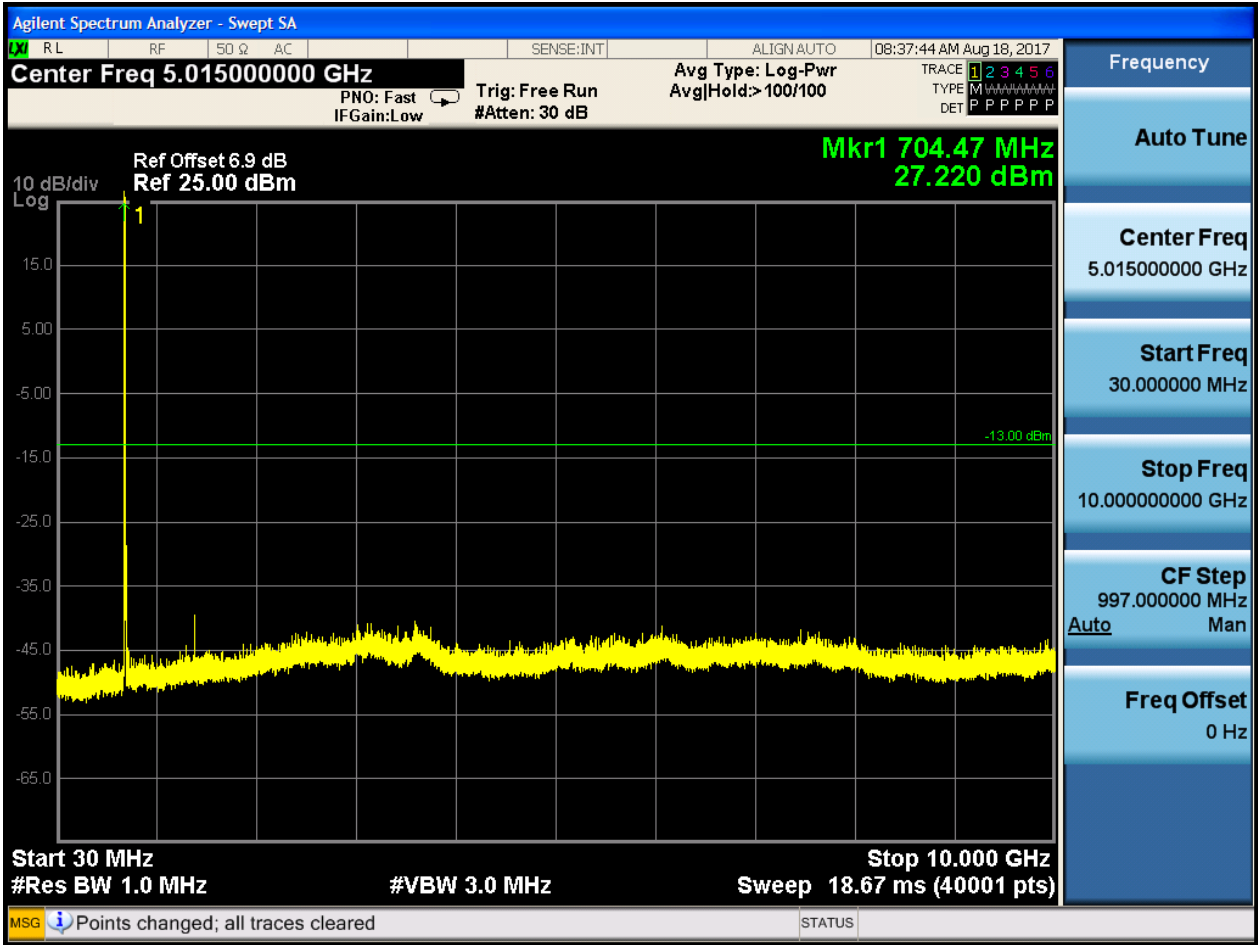
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



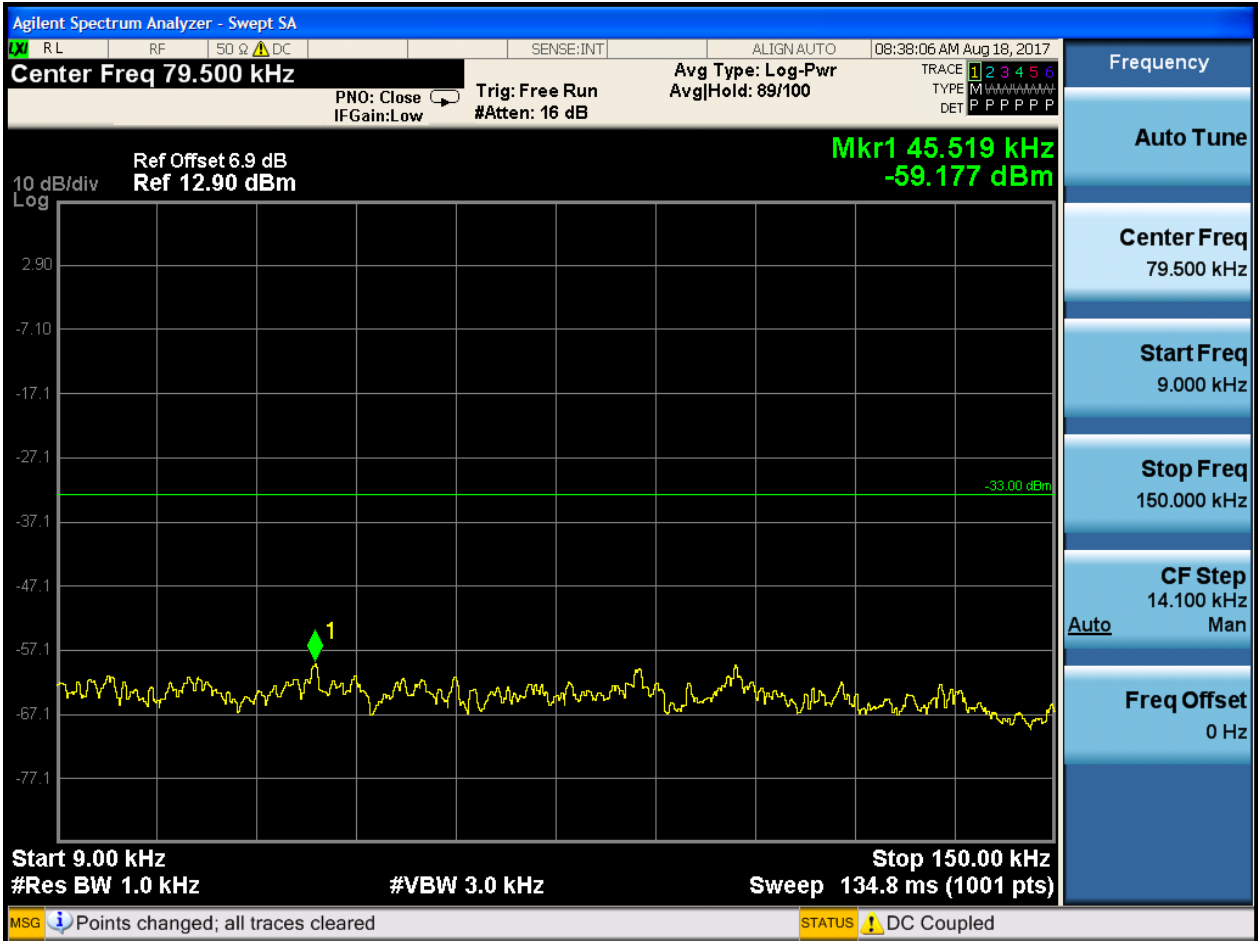


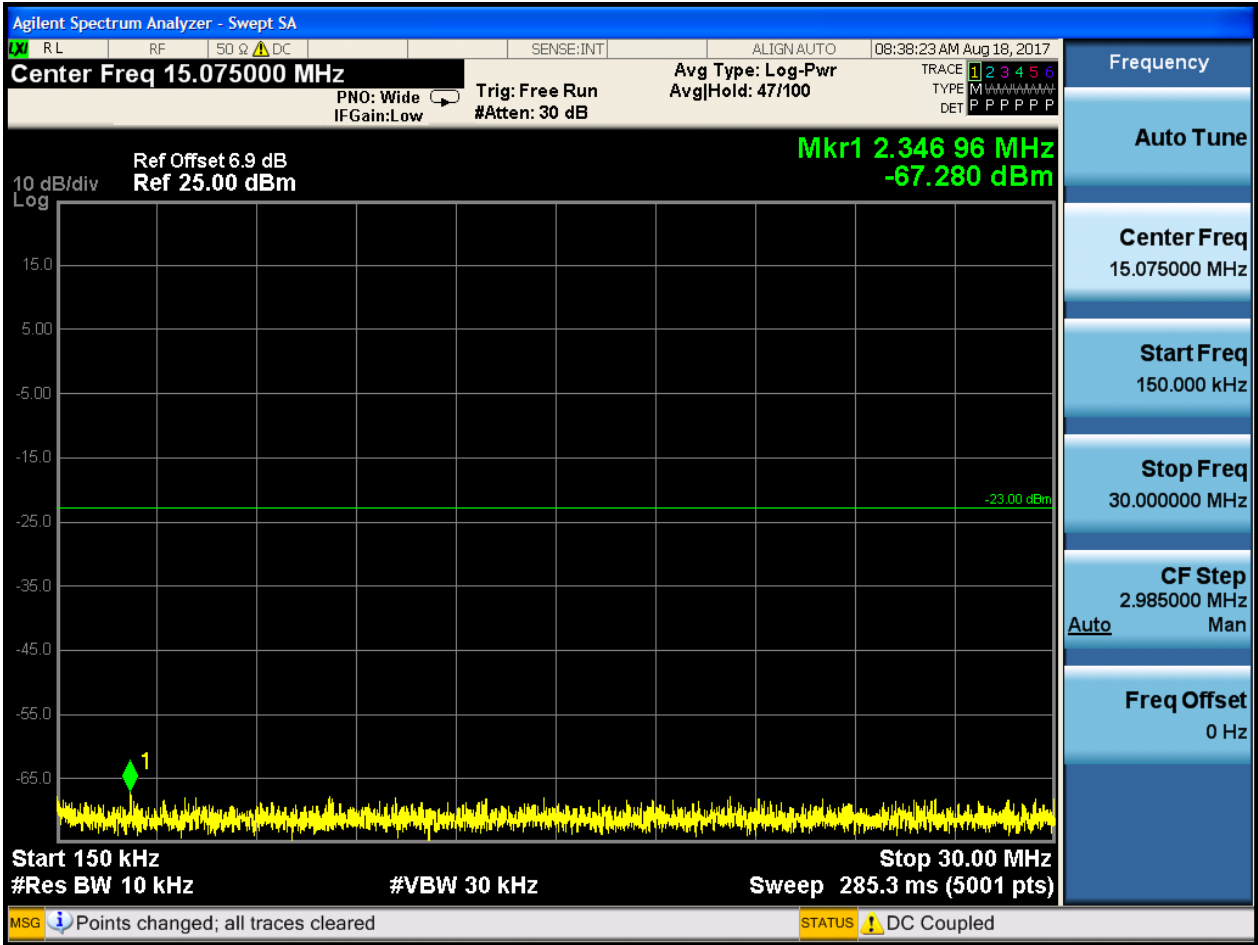


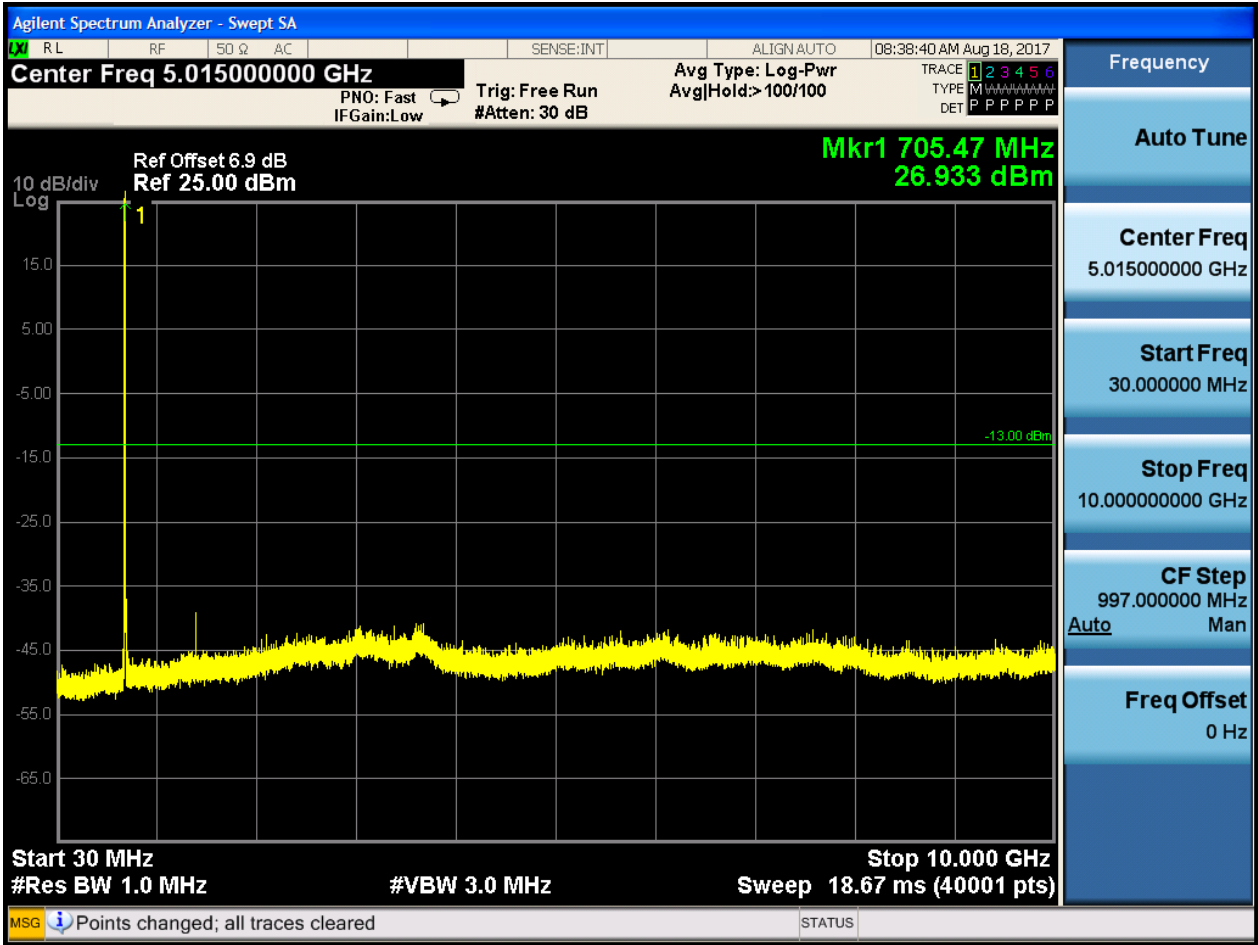


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



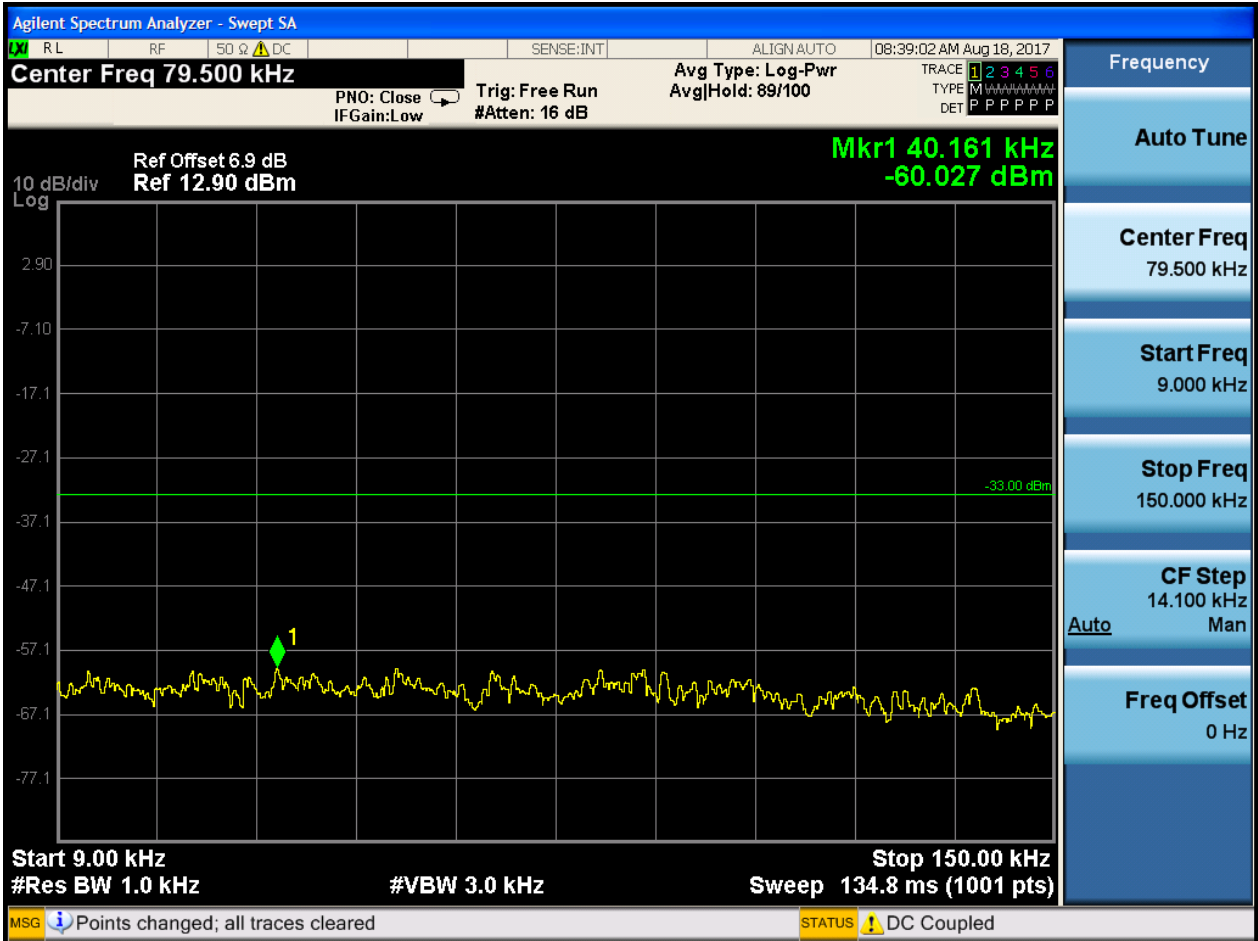




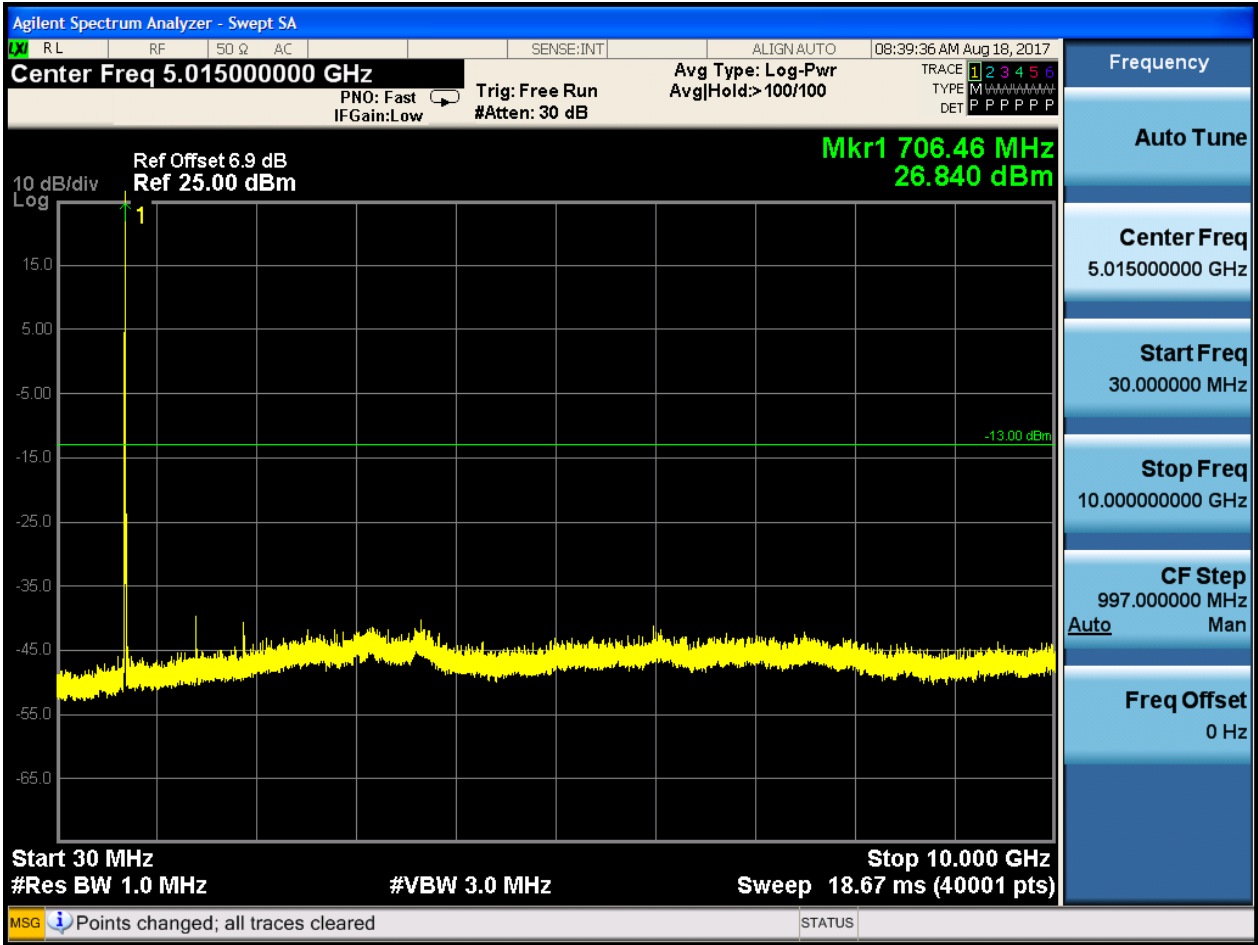


6.1.1.2.2.3 Test Channel = HCH

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, VBW = 200Hz, VBW = 600 Hz, Detector: PK

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

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

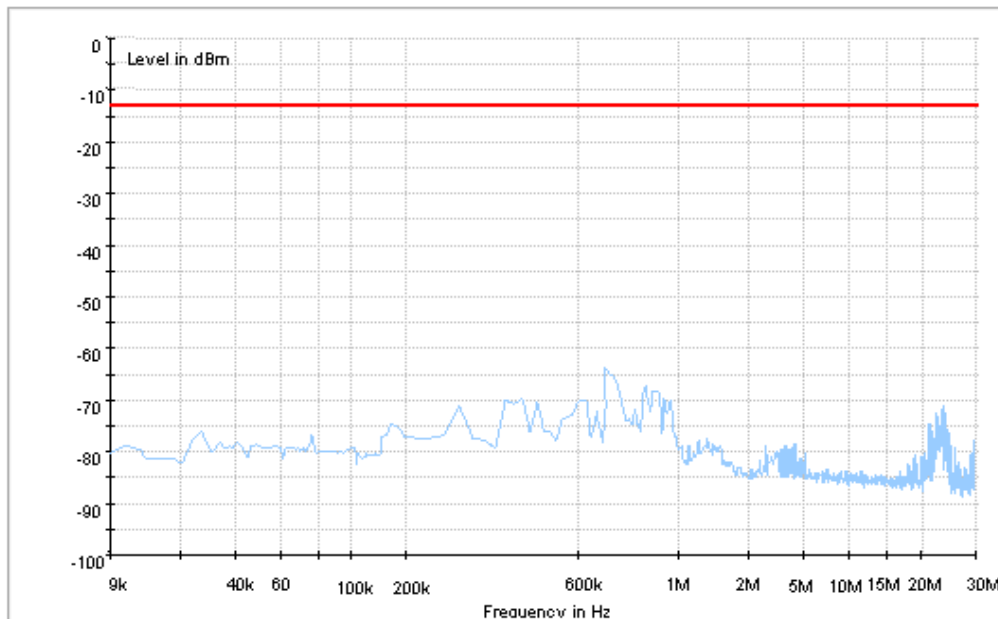
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

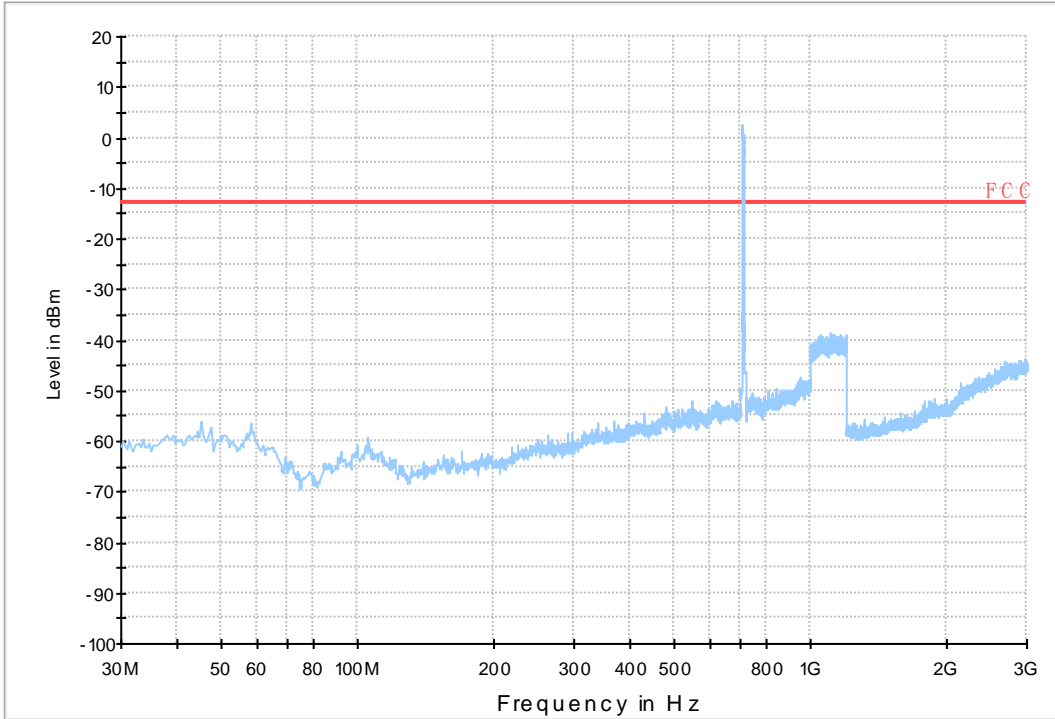
7.1 For LTE

7.1.1 Test Band = BAND17_ANT1

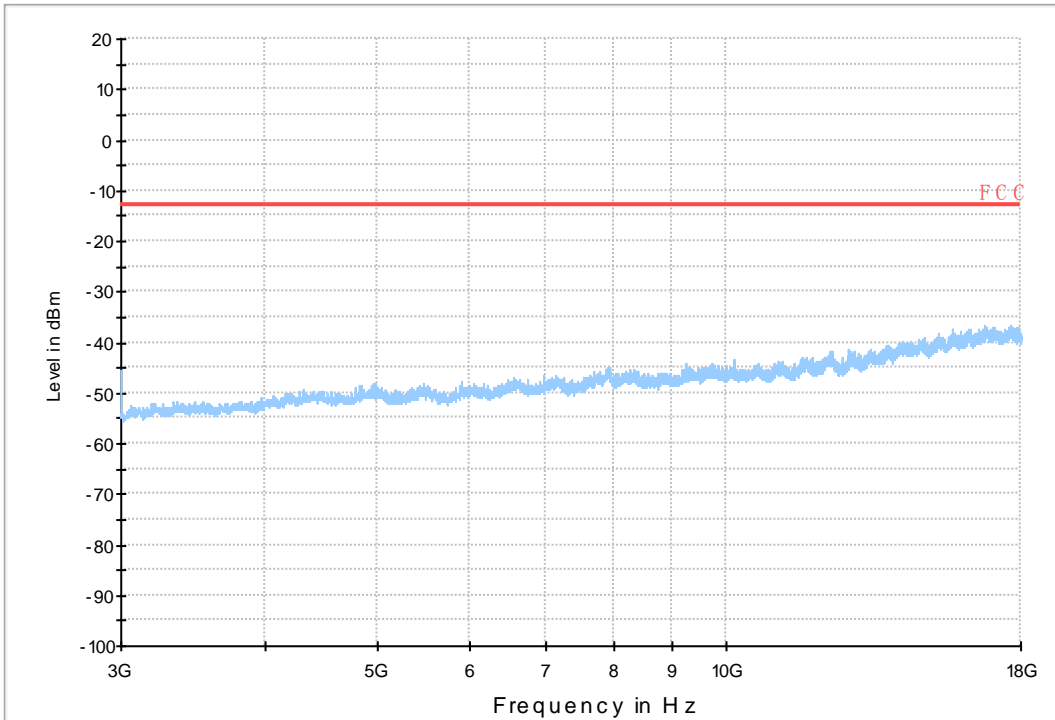
7.1.1.1 Test Bandwidth = 5



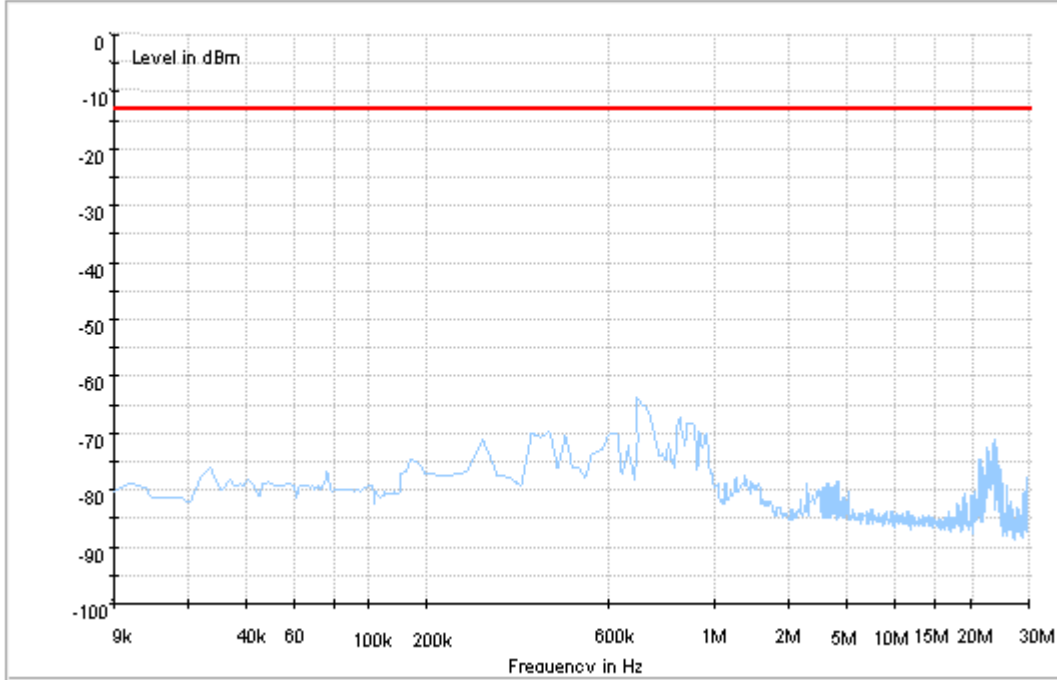
Copy of RSE-TX-DIRECTOR BELOW 1G_L



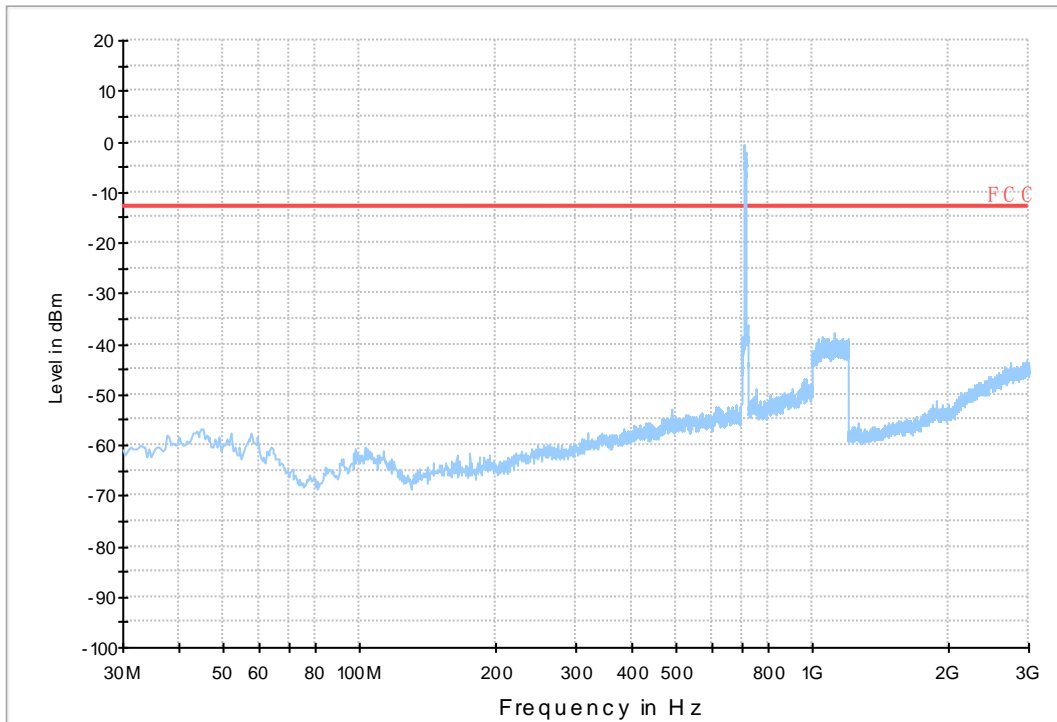
Copy of RSE-TX-DIRECTOR BELOW 1G_H



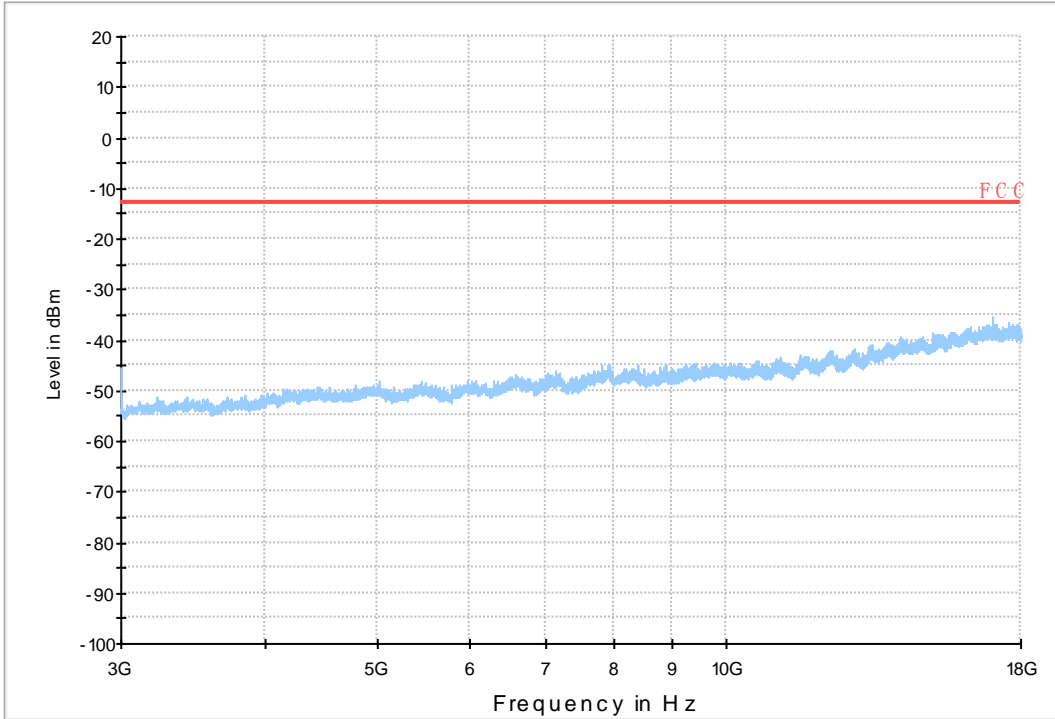
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

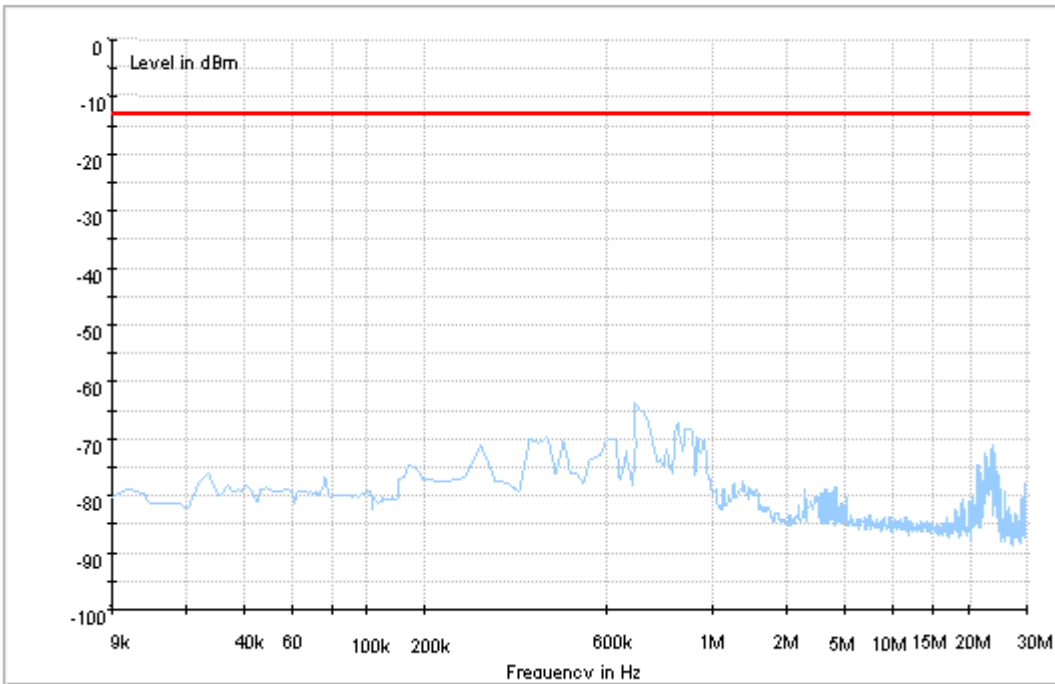


Copy of RSE-TX-DIRECTOR BELOW 1G_H

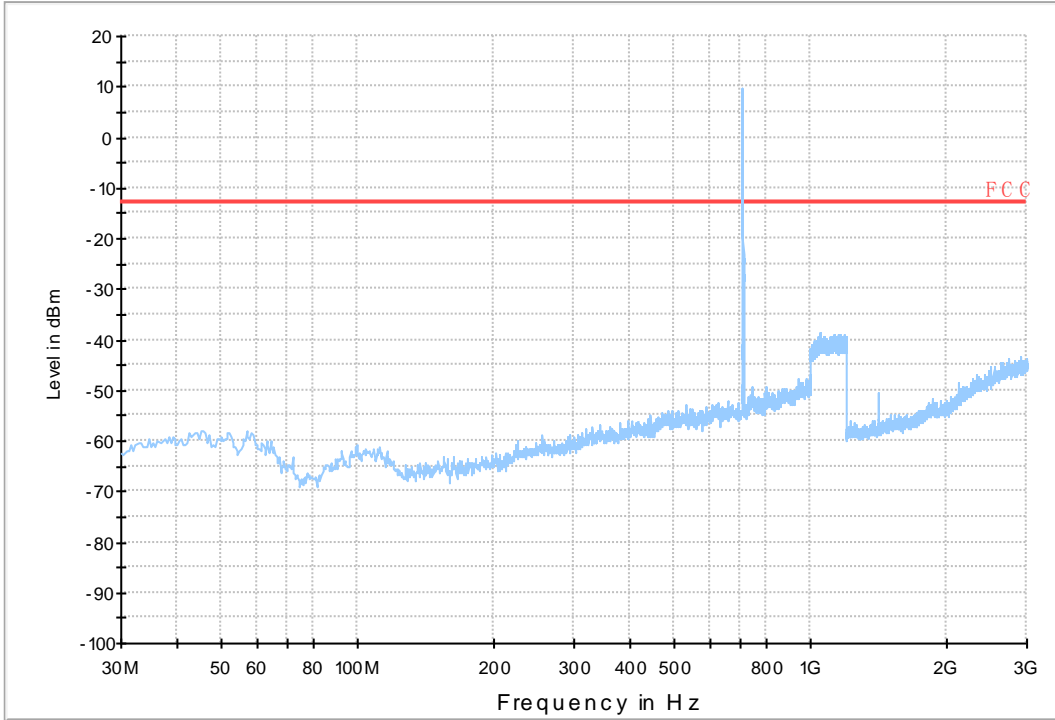


7.2.1 Test Band = BAND17_ANT2

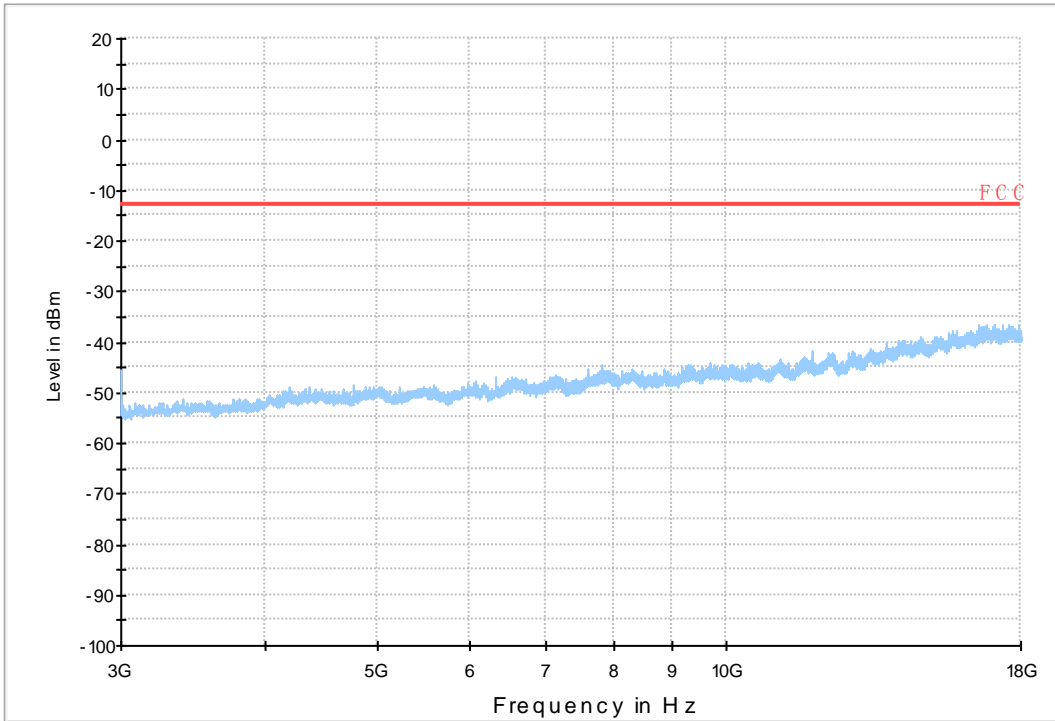
7.2.1.1 Test Bandwidth = 5



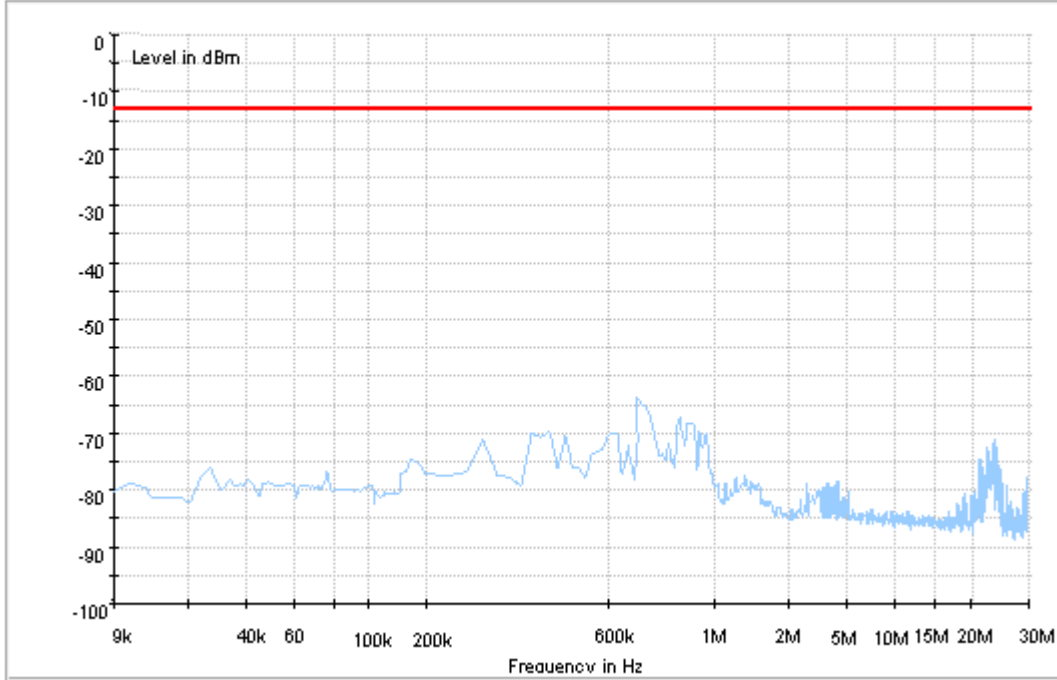
Copy of RSE-TX-DIRECTOR BELOW 1G_L



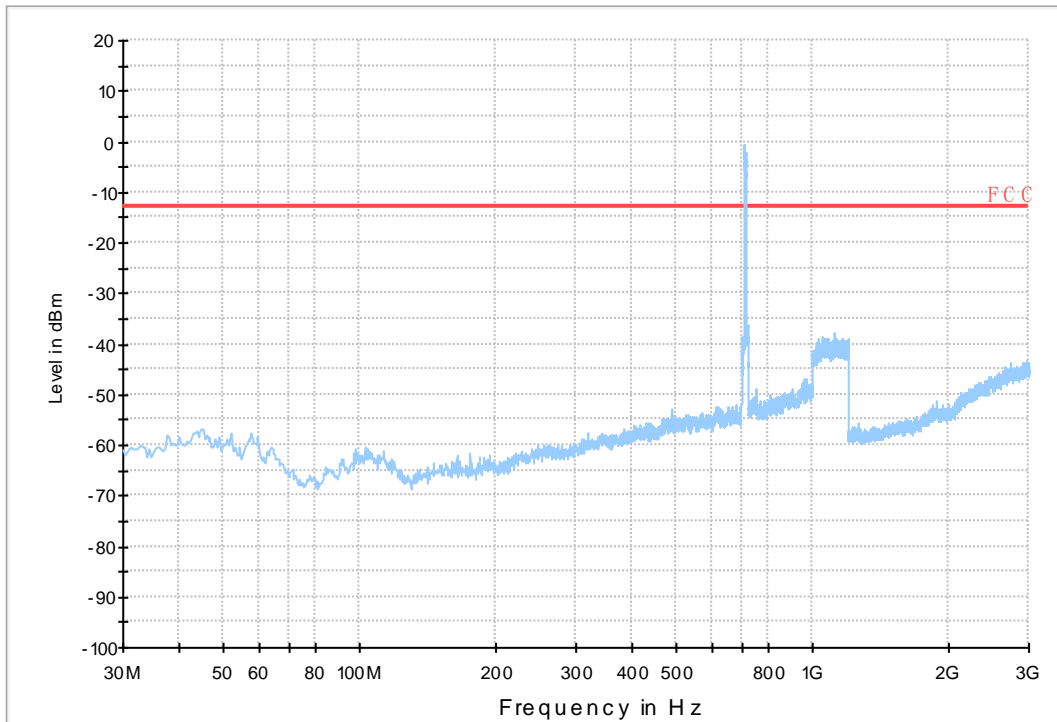
Copy of RSE-TX-DIRECTOR BELOW 1G_H



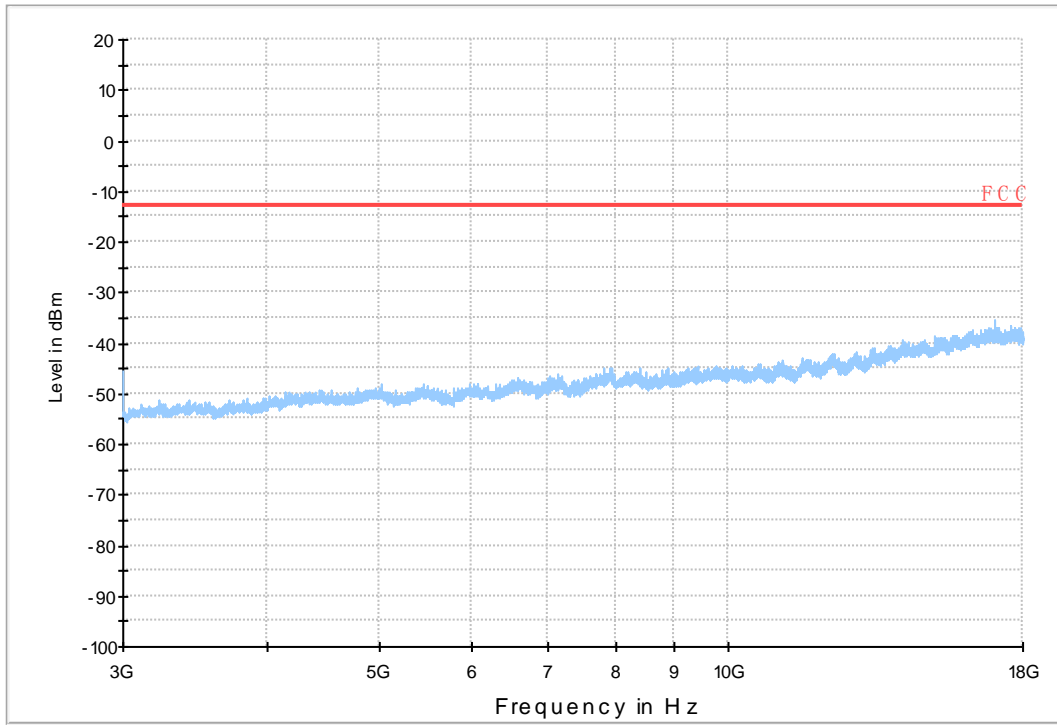
7.2.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of 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	8.60	0.01217	PASS
					VN	11.03	0.01561	PASS
					VH	3.96	0.00561	PASS
			MCH	TN	VL	2.20	0.0031	PASS
					VN	1.59	0.00224	PASS
					VH	-0.14	-0.0002	PASS
		HCH	TN	VL	2.45	0.00343	PASS	
				VN	1.76	0.00247	PASS	
				VH	0.92	0.00129	PASS	
		10	LCH	TN	VL	-1.90	-0.00268	PASS
					VN	0.17	0.00024	PASS
					VH	-0.66	-0.00093	PASS
	MCH		TN	VL	-0.40	-0.00056	PASS	
				VN	0.49	0.00069	PASS	
				VH	0.76	0.00107	PASS	
	HCH	TN	VL	-2.80	-0.00394	PASS		
			VN	-0.27	-0.00038	PASS		
			VH	-1.46	-0.00205	PASS		
	LTE/TM2	5	LCH	TN	VL	-1.89	-0.00268	PASS
					VN	-3.39	-0.0048	PASS
					VH	-2.73	-0.00386	PASS
			MCH	TN	VL	-2.06	-0.0029	PASS
					VN	0.23	0.00032	PASS
					VH	0.73	0.00103	PASS
HCH		TN	VL	-0.43	-0.0006	PASS		
			VN	0.86	0.00121	PASS		
			VH	-0.34	-0.00048	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	TN	VL	0.29	0.00041	PASS
					VN	-0.26	-0.00037	PASS
					VH	2.17	0.00306	PASS
			MCH	TN	VL	-0.94	-0.00132	PASS
					VN	-1.14	-0.00161	PASS
					VH	0.84	0.00118	PASS
			HCH	TN	VL	-2.13	-0.003	PASS
					VN	-1.36	-0.00191	PASS
					VH	0.39	0.00055	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	-30	LTE/TM1	5	LCH	VN	1.40	0.00198	PASS
				MCH	VN	-0.11	-0.00015	PASS
				HCH	VN	-2.16	-0.00303	PASS
			10	LCH	VN	0.56	0.00079	PASS
				MCH	VN	-1.26	-0.00177	PASS
				HCH	VN	-1.10	-0.00155	PASS
		LTE/TM2	5	LCH	VN	-1.02	-0.00144	PASS
				MCH	VN	1.57	0.00221	PASS
				HCH	VN	1.65	0.00231	PASS
			10	LCH	VN	-0.69	-0.00097	PASS
				MCH	VN	0.90	0.00127	PASS
				HCH	VN	0.00	0	PASS
	-20	LTE/TM1	5	LCH	VN	-0.06	-0.00008	PASS
				MCH	VN	-3.48	-0.0049	PASS
				HCH	VN	0.83	0.00116	PASS
			10	LCH	VN	-0.41	-0.00058	PASS
				MCH	VN	0.20	0.00028	PASS
				HCH	VN	-0.72	-0.00101	PASS
		LTE/TM2	5	LCH	VN	2.50	0.00354	PASS
				MCH	VN	-2.40	-0.00338	PASS
				HCH	VN	1.92	0.00269	PASS
			10	LCH	VN	0.34	0.00048	PASS
				MCH	VN	-2.19	-0.00308	PASS
				HCH	VN	-0.27	-0.00038	PASS



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	-10	LTE/TM1	5	LCH	VN	1.46	0.00207	PASS
				MCH	VN	3.71	0.00523	PASS
				HCH	VN	-0.76	-0.00107	PASS
			10	LCH	VN	-0.26	-0.00037	PASS
				MCH	VN	0.41	0.00058	PASS
				HCH	VN	-0.36	-0.00051	PASS
		LTE/TM2	5	LCH	VN	-2.45	-0.00347	PASS
				MCH	VN	-0.29	-0.00041	PASS
				HCH	VN	-1.12	-0.00157	PASS
			10	LCH	VN	0.34	0.00048	PASS
				MCH	VN	-2.06	-0.0029	PASS
				HCH	VN	-0.73	-0.00103	PASS
	0	LTE/TM1	5	LCH	VN	-1.87	-0.00265	PASS
				MCH	VN	1.75	0.00246	PASS
				HCH	VN	-0.86	-0.00121	PASS
			10	LCH	VN	-0.64	-0.0009	PASS
				MCH	VN	0.36	0.00051	PASS
				HCH	VN	0.36	0.00051	PASS
		LTE/TM2	5	LCH	VN	1.47	0.00208	PASS
				MCH	VN	1.16	0.00163	PASS
				HCH	VN	0.97	0.00136	PASS
			10	LCH	VN	2.29	0.00323	PASS
				MCH	VN	-2.75	-0.00387	PASS
				HCH	VN	-0.24	-0.00034	PASS
	10	LTE/TM1	5	LCH	VN	-6.22	-0.0088	PASS
				MCH	VN	-1.57	-0.00221	PASS
				HCH	VN	-2.27	-0.00318	PASS
			10	LCH	VN	0.87	0.00123	PASS
				MCH	VN	-0.40	-0.00056	PASS
				HCH	VN	-0.17	-0.00024	PASS
LTE/TM2		5	LCH	VN	-4.19	-0.00593	PASS	
			MCH	VN	0.66	0.00093	PASS	
			HCH	VN	-3.23	-0.00453	PASS	
		10	LCH	VN	0.94	0.00133	PASS	
			MCH	VN	-1.85	-0.00261	PASS	
			HCH	VN	1.62	0.00228	PASS	
20	LTE/TM1	5	LCH	VN	-1.93	-0.00273	PASS	
			MCH	VN	-1.00	-0.00141	PASS	
			HCH	VN	9.11	0.01277	PASS	



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			10	LCH	VN	4.08	0.00575	PASS	
				MCH	VN	6.87	0.00968	PASS	
				HCH	VN	3.23	0.00454	PASS	
			LTE/TM2	5	LCH	VN	-0.01	-0.00001	PASS
					MCH	VN	-7.94	-0.01118	PASS
					HCH	VN	-2.15	-0.00301	PASS
		10	LCH	VN	2.57	0.00362	PASS		
			MCH	VN	-0.84	-0.00118	PASS		
			HCH	VN	-0.83	-0.00117	PASS		
		30	LTE/TM1	5	LCH	VN	2.75	0.00389	PASS
					MCH	VN	-1.19	-0.00168	PASS
					HCH	VN	-1.47	-0.00206	PASS
	10			LCH	VN	-0.41	-0.00058	PASS	
				MCH	VN	-1.73	-0.00244	PASS	
				HCH	VN	1.40	0.00197	PASS	
	LTE/TM2		5	LCH	VN	5.14	0.00728	PASS	
				MCH	VN	-0.06	-0.00008	PASS	
				HCH	VN	-0.80	-0.00112	PASS	
			10	LCH	VN	-0.59	-0.00083	PASS	
				MCH	VN	-0.74	-0.00104	PASS	
				HCH	VN	2.78	0.00391	PASS	
	40	LTE/TM1	5	LCH	VN	-2.83	-0.00401	PASS	
				MCH	VN	-1.07	-0.00151	PASS	
				HCH	VN	1.12	0.00157	PASS	
			10	LCH	VN	-0.62	-0.00087	PASS	
				MCH	VN	-0.10	-0.00014	PASS	
				HCH	VN	-1.82	-0.00256	PASS	
		LTE/TM2	5	LCH	VN	-0.36	-0.00051	PASS	
				MCH	VN	-2.32	-0.00327	PASS	
				HCH	VN	-0.54	-0.00076	PASS	
10			LCH	VN	0.19	0.00027	PASS		
			MCH	VN	1.79	0.00252	PASS		
			HCH	VN	-0.87	-0.00122	PASS		
50	LTE/TM1	5	LCH	VN	-0.73	-0.00103	PASS		
			MCH	VN	0.54	0.00076	PASS		
			HCH	VN	1.53	0.00214	PASS		
		10	LCH	VN	-1.19	-0.00168	PASS		
			MCH	VN	-2.82	-0.00397	PASS		
			HCH	VN	0.13	0.00018	PASS		



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		LTE/TM2	5	LCH	VN	-1.30	-0.00184	PASS
				MCH	VN	-0.14	-0.0002	PASS
				HCH	VN	0.40	0.00056	PASS
			10	LCH	VN	-0.64	-0.0009	PASS
				MCH	VN	0.07	0.0001	PASS
				HCH	VN	0.54	0.00076	PASS

END