



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	23.22	19.67	34.7	PASS
				RB1#13	23.63	20.34	34.7	PASS
				RB1#24	23.24	19.87	34.7	PASS
				RB12#0	22.71	19.19	34.7	PASS
				RB12#6	22.66	19.26	34.7	PASS
				RB12#13	22.53	19.28	34.7	PASS
				RB25#0	22.63	19.24	34.7	PASS
			MCH	RB1#0	23.21	19.82	34.7	PASS
				RB1#13	23.58	20.11	34.7	PASS
				RB1#24	23.36	19.89	34.7	PASS
				RB12#0	22.56	19.20	34.7	PASS
				RB12#6	22.62	19.14	34.7	PASS
				RB12#13	22.5	18.98	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB25#0	22.58	19.06	34.7	PASS	
			HCH	RB1#0	23.38	20.13	34.7	PASS	
				RB1#13	23.87	20.52	34.7	PASS	
				RB1#24	23.17	19.88	34.7	PASS	
				RB12#0	22.68	19.32	34.7	PASS	
				RB12#6	22.88	19.51	34.7	PASS	
				RB12#13	22.8	19.42	34.7	PASS	
				RB25#0	22.75	19.41	34.7	PASS	
		10		LCH	RB1#0	23.14	19.85	34.7	PASS
			RB1#25		23.37	20.07	34.7	PASS	
			RB1#49		23.24	19.75	34.7	PASS	
			RB25#0		22.28	18.90	34.7	PASS	
			RB25#13		22.25	18.85	34.7	PASS	
			RB25#25		22.1	18.60	34.7	PASS	
			RB50#0		22.14	18.70	34.7	PASS	
				MCH	RB1#0	23.32	20.02	34.7	PASS
					RB1#25	23.43	19.93	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	23.3	19.82	34.7	PASS
				RB25#0	22.14	18.85	34.7	PASS
				RB25#13	22.3	18.89	34.7	PASS
				RB25#25	22.16	18.64	34.7	PASS
				RB50#0	22.11	18.79	34.7	PASS
			HCH	RB1#0	23.25	19.74	34.7	PASS
				RB1#25	23.54	20.20	34.7	PASS
				RB1#49	23.1	19.57	34.7	PASS
				RB25#0	22.09	18.72	34.7	PASS
				RB25#13	22.33	18.79	34.7	PASS
	LCH	RB25#25	22.31	18.94	34.7	PASS		
		RB50#0	22.22	18.96	34.7	PASS		
		RB1#0	22.31	18.83	34.7	PASS		
		RB1#13	22.62	19.09	34.7	PASS		
		RB1#24	22.37	18.90	34.7	PASS		
LTE/TM2	5			RB12#0	21.66	18.21	34.7	PASS
				RB12#6	21.65	18.25	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict			
				RB12#13	21.53	18.22	34.7	PASS			
				RB25#0	21.7	18.18	34.7	PASS			
			MCH	RB1#0	22.44	19.09	34.7	PASS			
				RB1#13	22.85	19.37	34.7	PASS			
				RB1#24	22.53	19.24	34.7	PASS			
				RB12#0	21.56	18.19	34.7	PASS			
				RB12#6	21.61	18.09	34.7	PASS			
				RB12#13	21.45	18.01	34.7	PASS			
				RB25#0	21.57	18.07	34.7	PASS			
				HCH	RB1#0	22.62	19.17	34.7	PASS		
			RB1#13		22.91	19.57	34.7	PASS			
			RB1#24		22.46	19.21	34.7	PASS			
			RB12#0		21.78	18.39	34.7	PASS			
			RB12#6		21.91	18.45	34.7	PASS			
			RB12#13		21.84	18.47	34.7	PASS			
							RB25#0	21.73	18.34	34.7	PASS
					10	LCH	RB1#0	22.26	18.86	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.55	19.22	34.7	PASS
				RB1#49	22.46	19.19	34.7	PASS
				RB25#0	21.27	17.92	34.7	PASS
				RB25#13	21.3	17.90	34.7	PASS
				RB25#25	21.19	17.73	34.7	PASS
				RB50#0	21.22	17.76	34.7	PASS
			MCH	RB1#0	22.28	18.79	34.7	PASS
			MCH	RB1#25	22.41	19.13	34.7	PASS
			MCH	RB1#49	22.31	18.82	34.7	PASS
			MCH	RB25#0	21.22	17.97	34.7	PASS
			MCH	RB25#13	21.37	17.93	34.7	PASS
			MCH	RB25#25	21.2	17.67	34.7	PASS
			MCH	RB50#0	21.16	17.82	34.7	PASS
			HCH	RB1#0	22.56	19.14	34.7	PASS
			HCH	RB1#25	22.79	19.43	34.7	PASS
			HCH	RB1#49	22.38	18.86	34.7	PASS
			HCH	RB25#0	21.17	17.71	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.43	18.13	34.7	PASS
				RB25#25	21.3	17.86	34.7	PASS
				RB50#0	21.3	17.91	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 wxceed 1MHz

SET VBW>= 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	3.81	13	PASS
				RB1#13	3.42	13	PASS
				RB1#24	4.16	13	PASS
				RB12#0	4.57	13	PASS
				RB12#6	4.33	13	PASS
				RB12#13	4.78	13	PASS
				RB25#0	5.19	13	PASS
			MCH	RB1#0	3.96	13	PASS
				RB1#13	4.38	13	PASS
				RB1#24	4.63	13	PASS
				RB12#0	5.25	13	PASS
				RB12#6	5.31	13	PASS
				RB12#13	5.67	13	PASS
				RB25#0	5.66	13	PASS
			HCH	RB1#0	4.73	13	PASS
				RB1#13	3.75	13	PASS
				RB1#24	3.35	13	PASS
				RB12#0	5.35	13	PASS
		RB12#6		4.91	13	PASS	
		RB12#13		4.66	13	PASS	
		RB25#0		5.49	13	PASS	
		10	LCH	RB1#0	3.43	13	PASS
				RB1#25	3.88	13	PASS
				RB1#49	4.01	13	PASS
				RB25#0	5.12	13	PASS
				RB25#13	5.33	13	PASS
				RB25#25	5.83	13	PASS
RB50#0	5.85		13	PASS			
MCH	RB1#0		3.43	13	PASS		
	RB1#25		4.25	13	PASS		
	RB1#49	3.75	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	5.23	13	PASS
				RB25#13	5.3	13	PASS
				RB25#25	5.52	13	PASS
				RB50#0	5.85	13	PASS
			HCH	RB1#0	3.51	13	PASS
				RB1#25	4.34	13	PASS
				RB1#49	3.44	13	PASS
				RB25#0	5.47	13	PASS
				RB25#13	5.54	13	PASS
				RB25#25	5.42	13	PASS
				RB50#0	5.66	13	PASS
			LCH	RB1#0	4.58	13	PASS
				RB1#13	4.22	13	PASS
				RB1#24	4.86	13	PASS
				RB12#0	5.18	13	PASS
	RB12#6	5.2		13	PASS		
	RB12#13	5.43		13	PASS		
	RB25#0	5.89		13	PASS		
	MCH	RB1#0		4.89	13	PASS	
		RB1#13		5.18	13	PASS	
		RB1#24		5.49	13	PASS	
		RB12#0		5.88	13	PASS	
		RB12#6		5.95	13	PASS	
		RB12#13		6.27	13	PASS	
		RB25#0		6.55	13	PASS	
	HCH	RB1#0		5.22	13	PASS	
		RB1#13	4.56	13	PASS		
		RB1#24	4.1	13	PASS		
		RB12#0	6.12	13	PASS		
		RB12#6	5.7	13	PASS		
RB12#13		5.39	13	PASS			
RB25#0		6.31	13	PASS			
LCH	RB1#0	4.37	13	PASS			
	RB1#25	5.07	13	PASS			
	RB1#49	5.04	13	PASS			
	RB25#0	5.89	13	PASS			
	RB25#13	6.25	13	PASS			
	RB25#25	6.73	13	PASS			
	RB50#0	6.61	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.42	13	PASS
				RB1#25	5.19	13	PASS
				RB1#49	4.54	13	PASS
				RB25#0	6.31	13	PASS
				RB25#13	6.52	13	PASS
				RB25#25	6.65	13	PASS
				RB50#0	6.55	13	PASS
			HCH	RB1#0	4.27	13	PASS
				RB1#25	5.03	13	PASS
				RB1#49	4.45	13	PASS
				RB25#0	6.26	13	PASS
				RB25#13	6.37	13	PASS
				RB25#25	6.3	13	PASS
				RB50#0	6.73	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

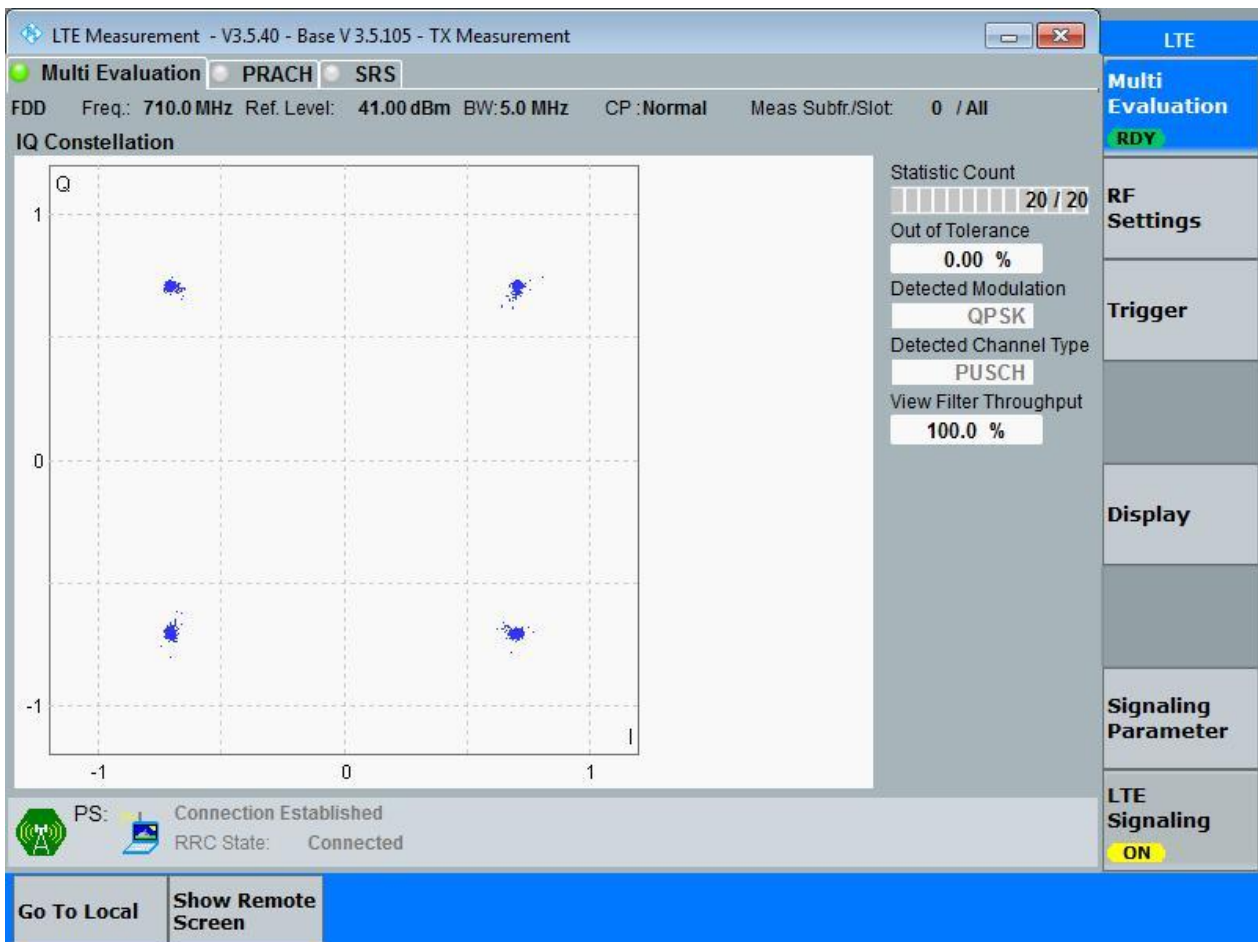
3.1.1 Test Band = BAND17

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

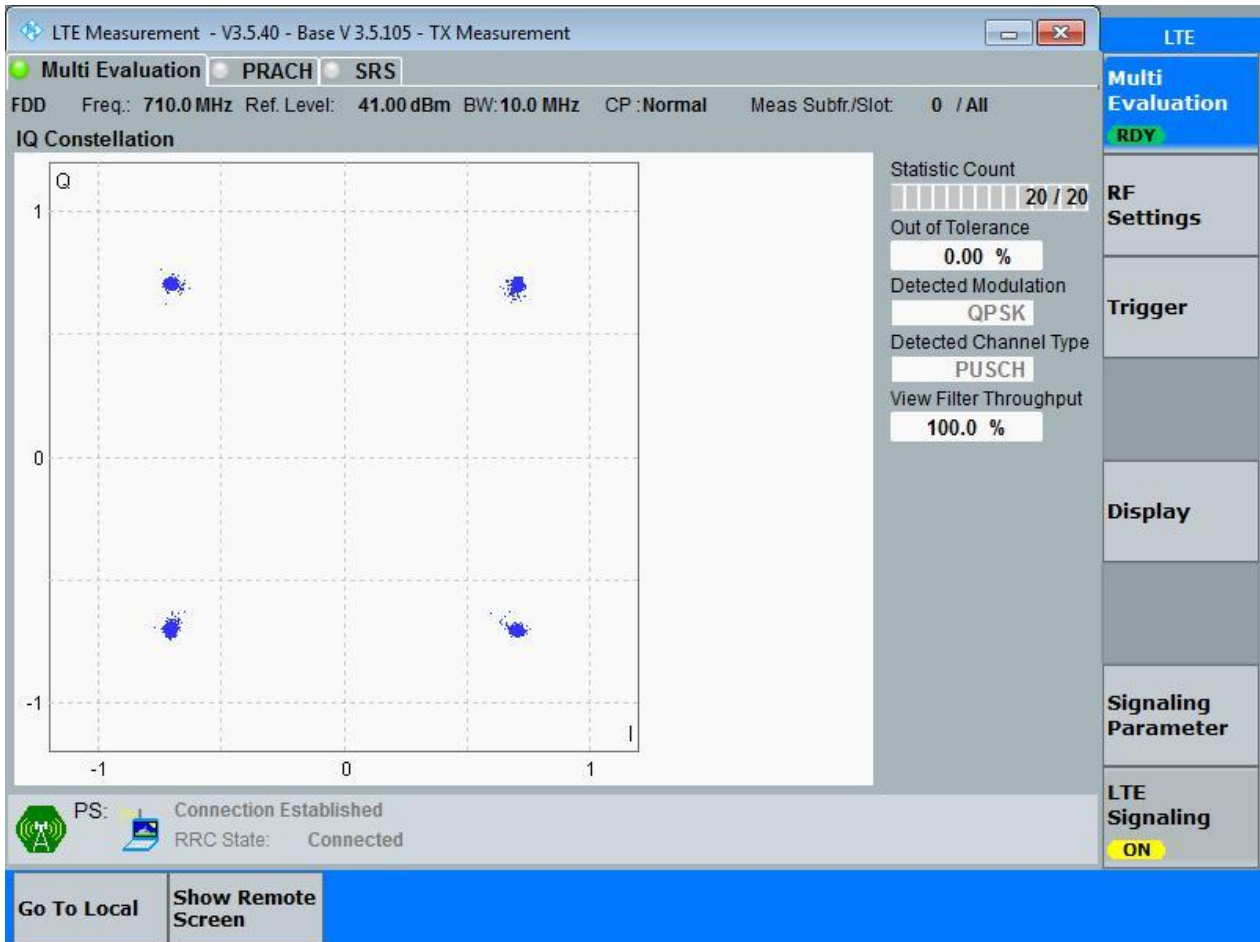
3.1.1.1.1.1.1 Test RB = RB25#0



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

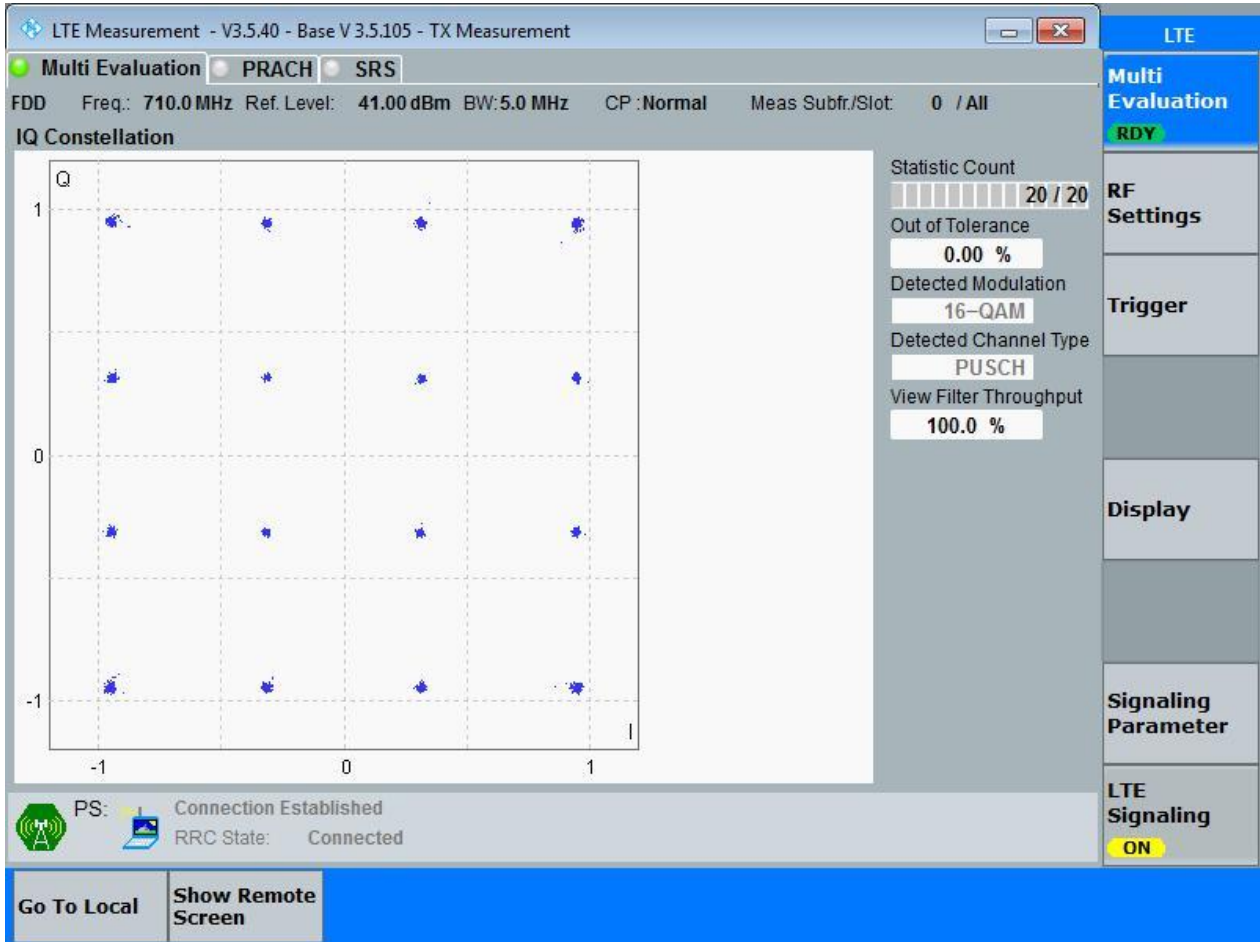


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

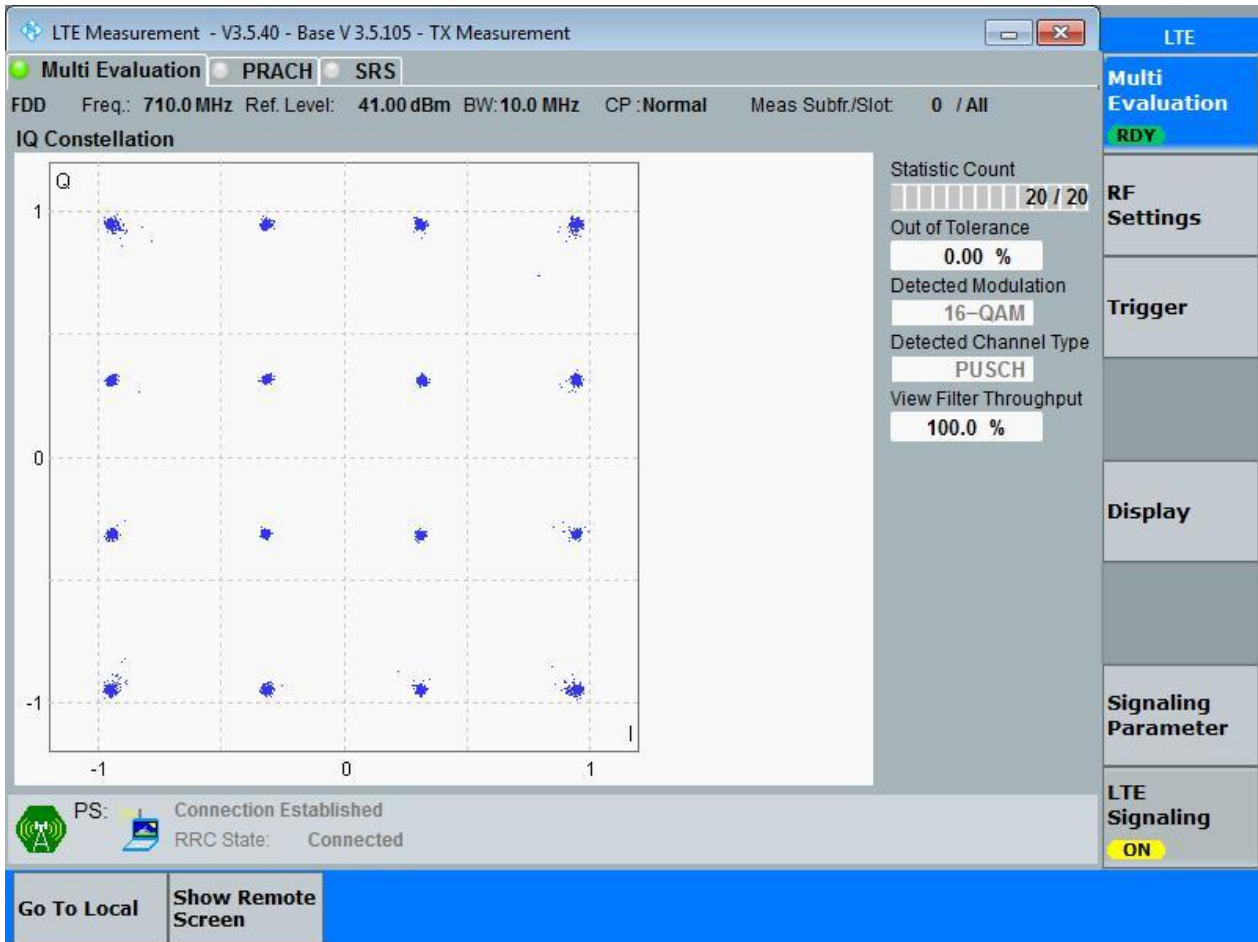
3.1.1.2.1.1.1 Test RB = RB25#0



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	4.52	4.94	Pass
			MCH	RB25#0	4.51	4.96	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	9.04	9.93	Pass
			MCH	RB50#0	9.01	9.96	Pass
			HCH	RB50#0	9.02	9.96	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.52	4.99	Pass
			HCH	RB25#0	4.51	4.95	Pass
		10	LCH	RB50#0	9.01	9.93	Pass
			MCH	RB50#0	9.01	9.91	Pass
			HCH	RB50#0	9.01	9.94	Pass



Part II - Test Plots

4.1 For LTE

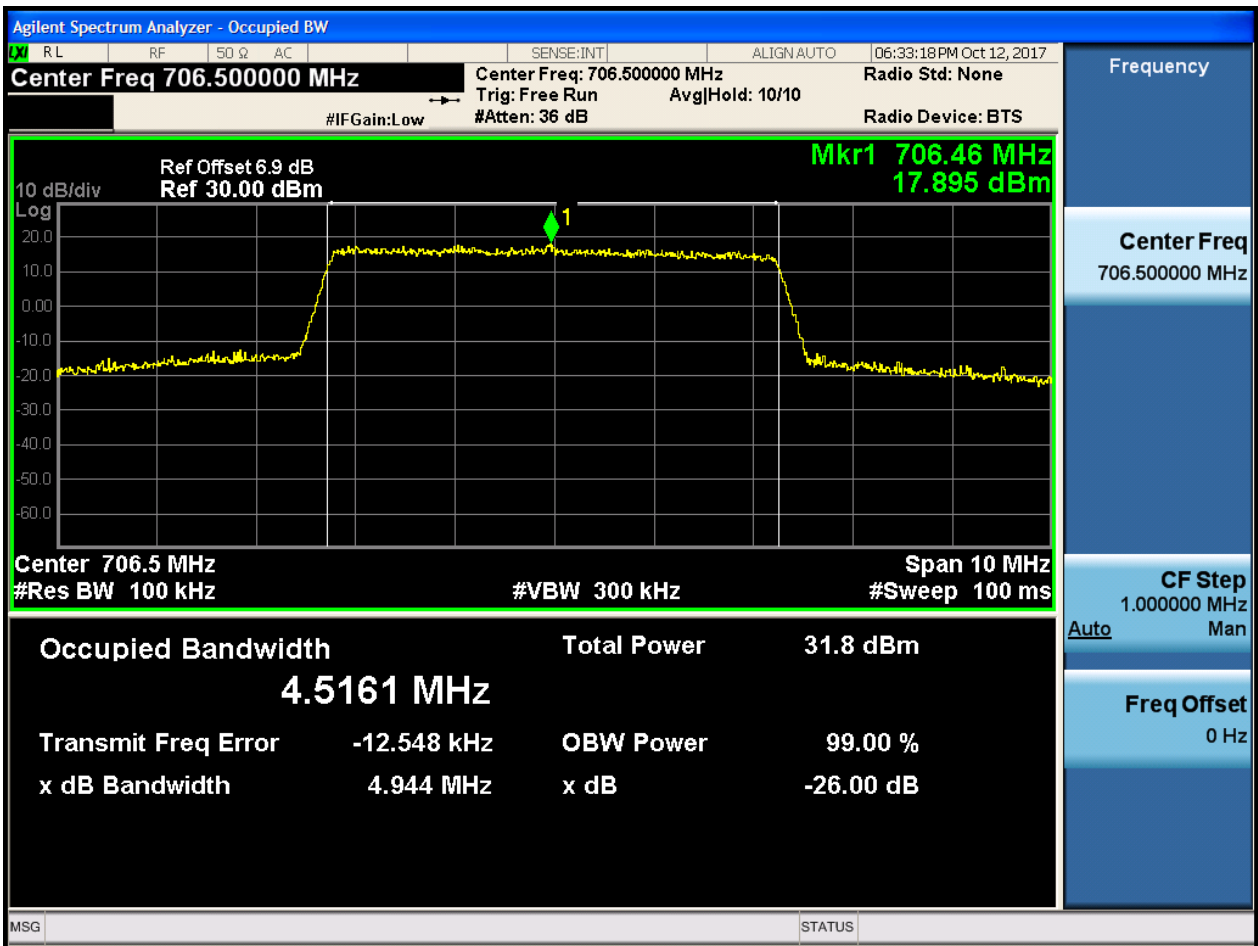
4.1.1 Test Band = BAND17

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

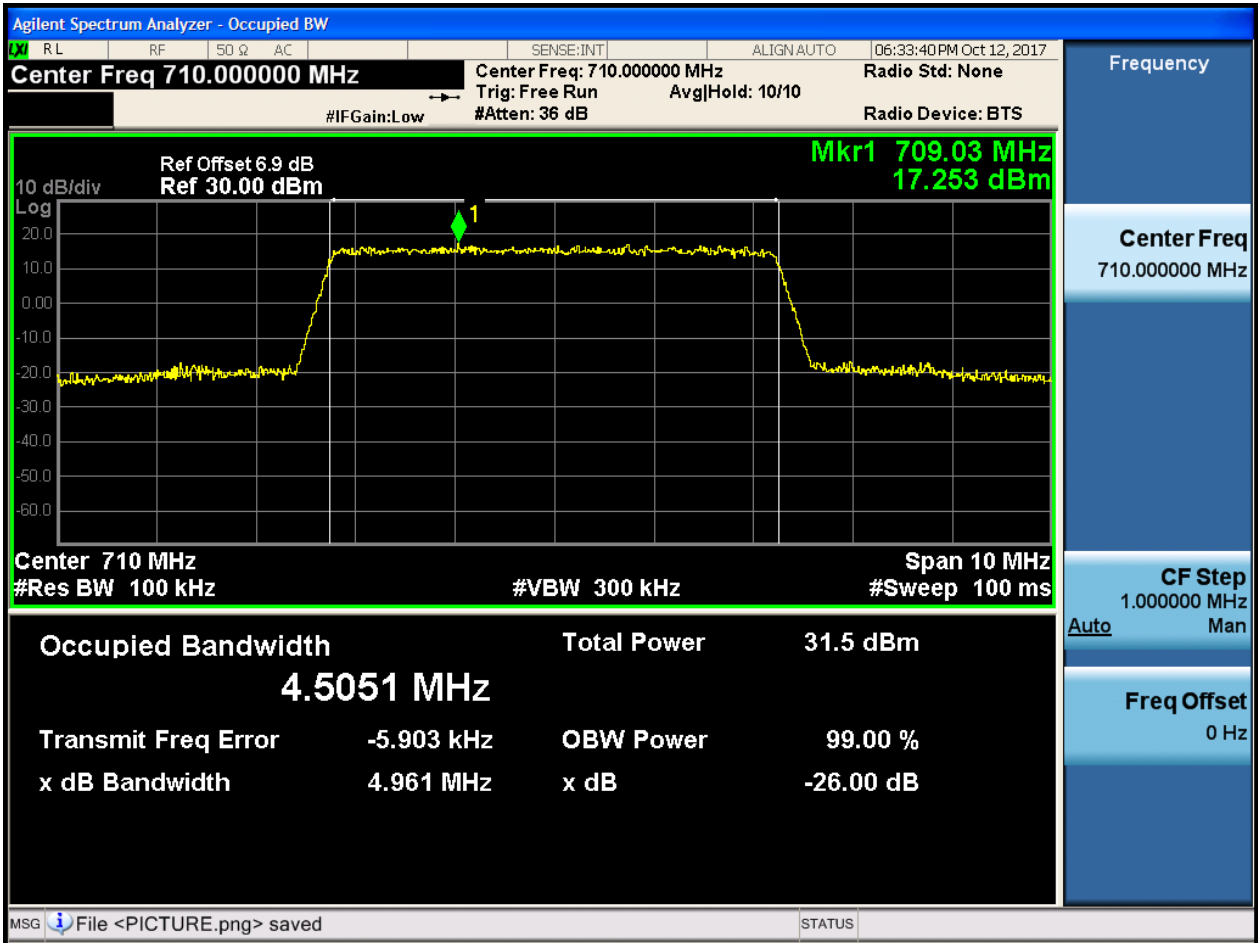
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

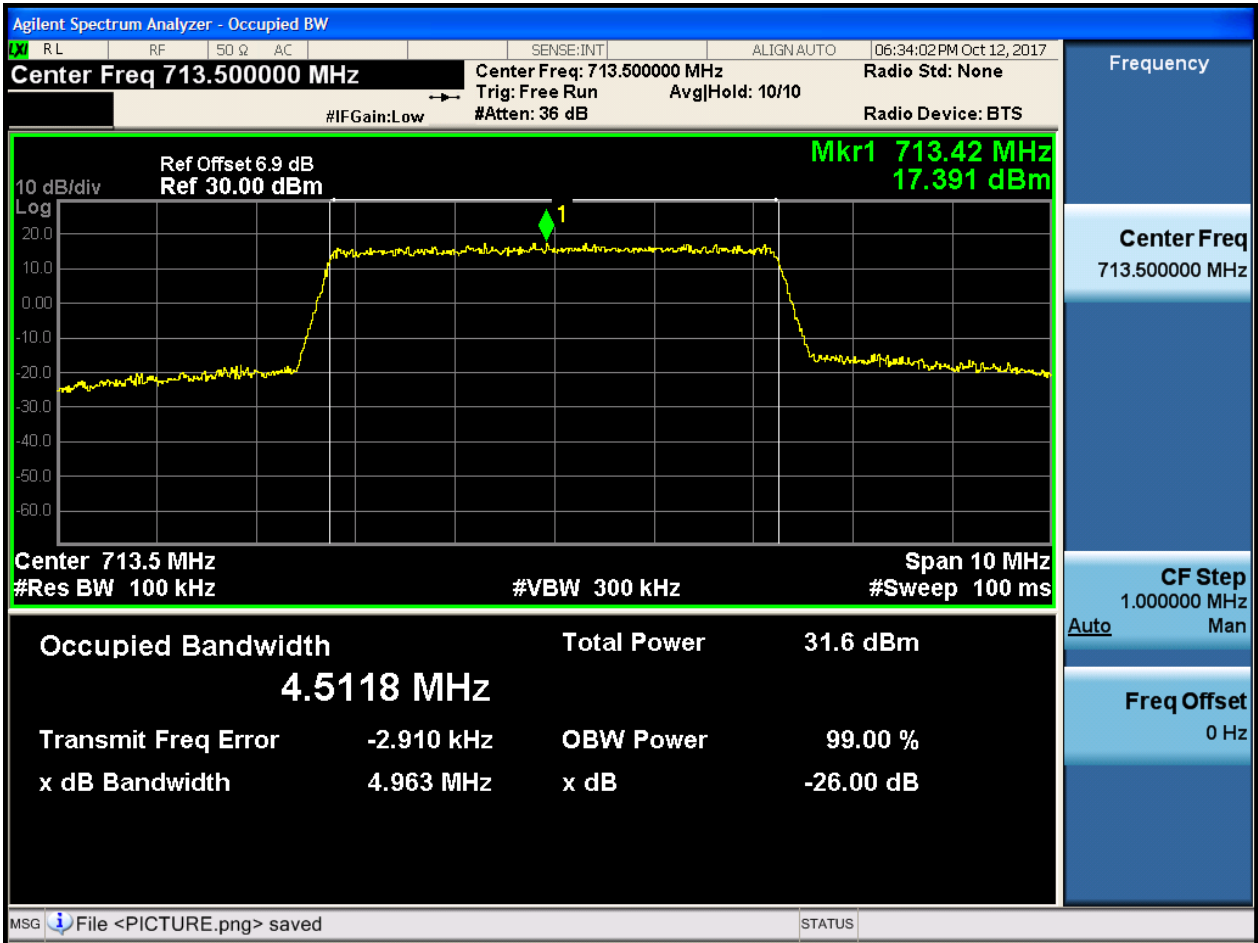
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

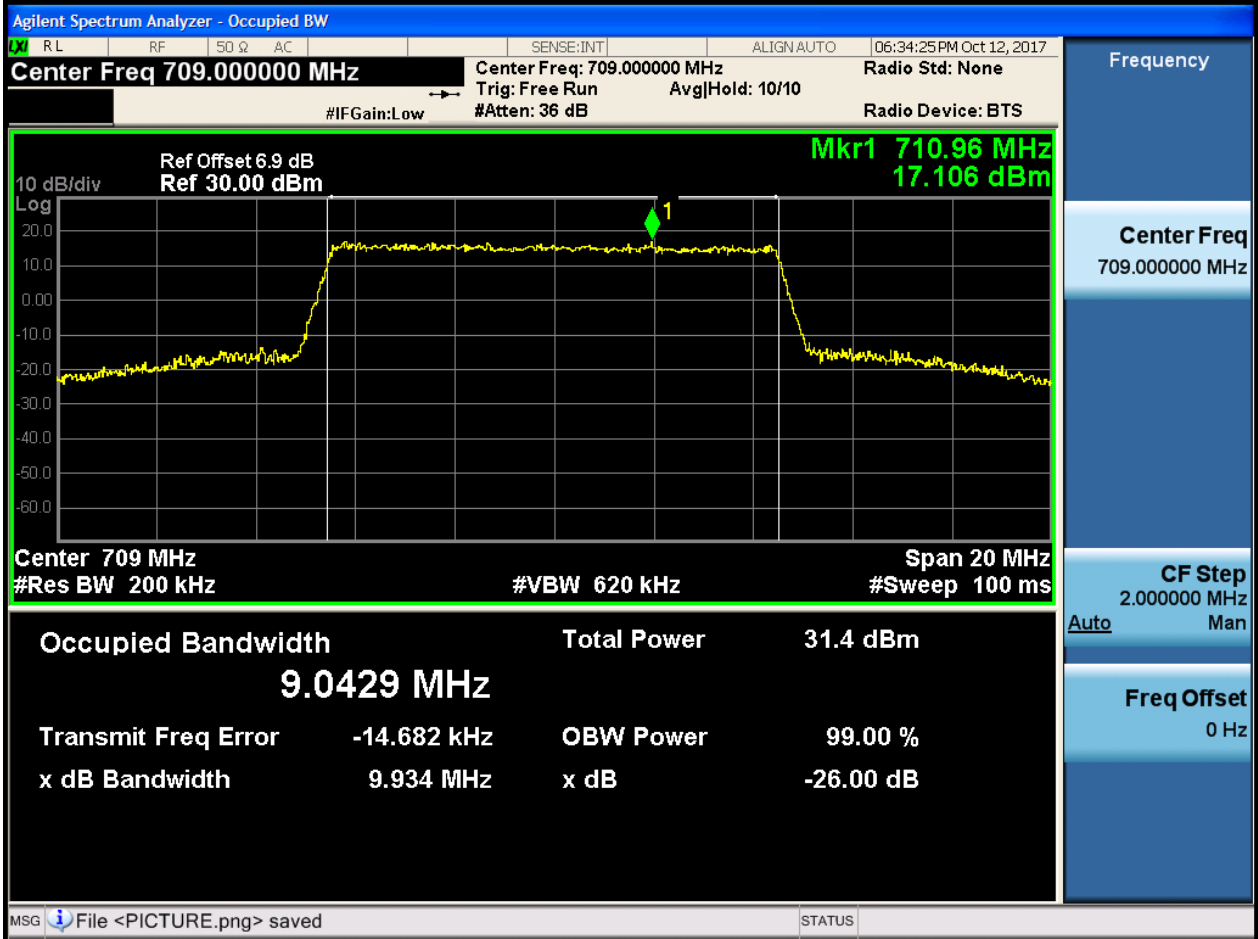




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

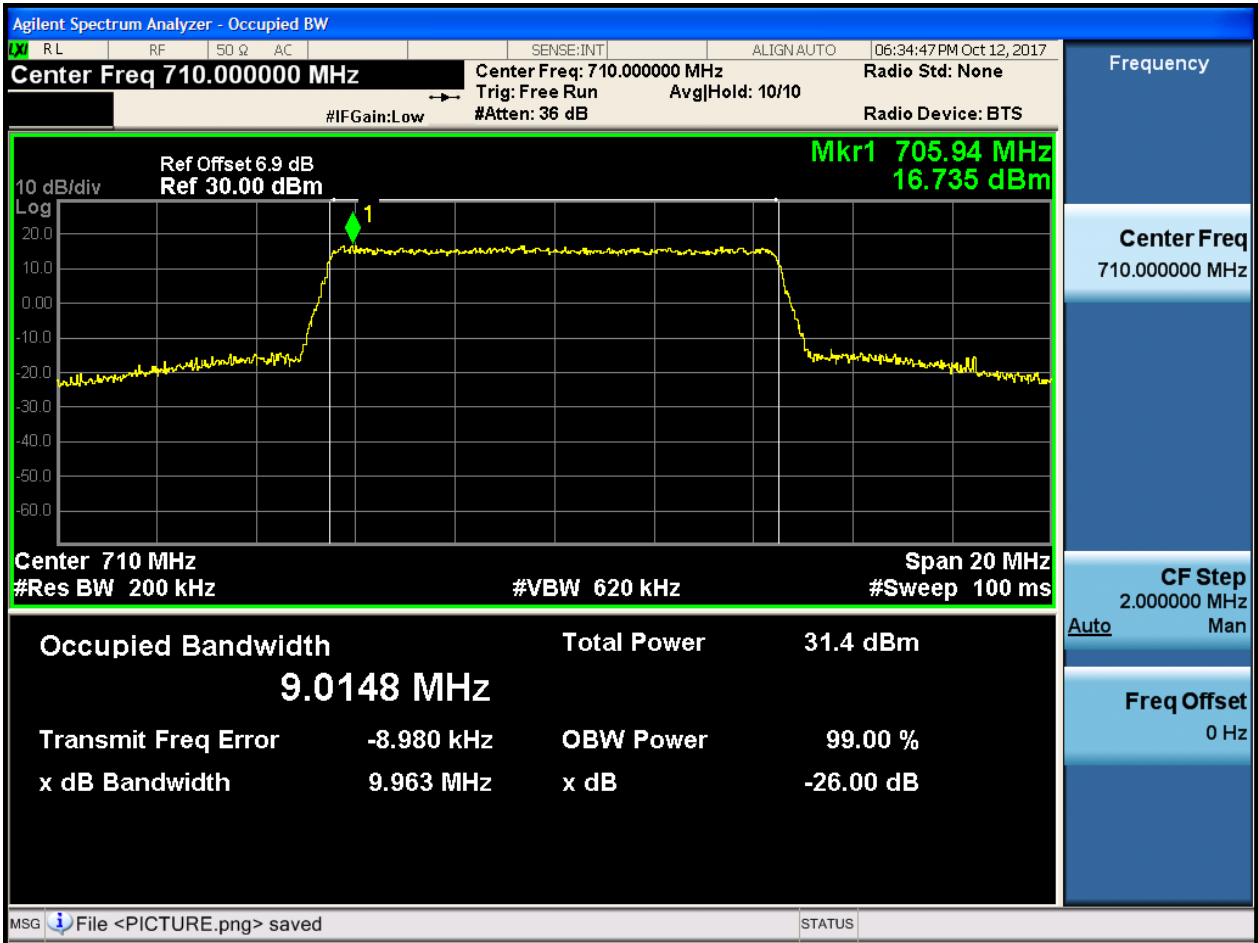
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

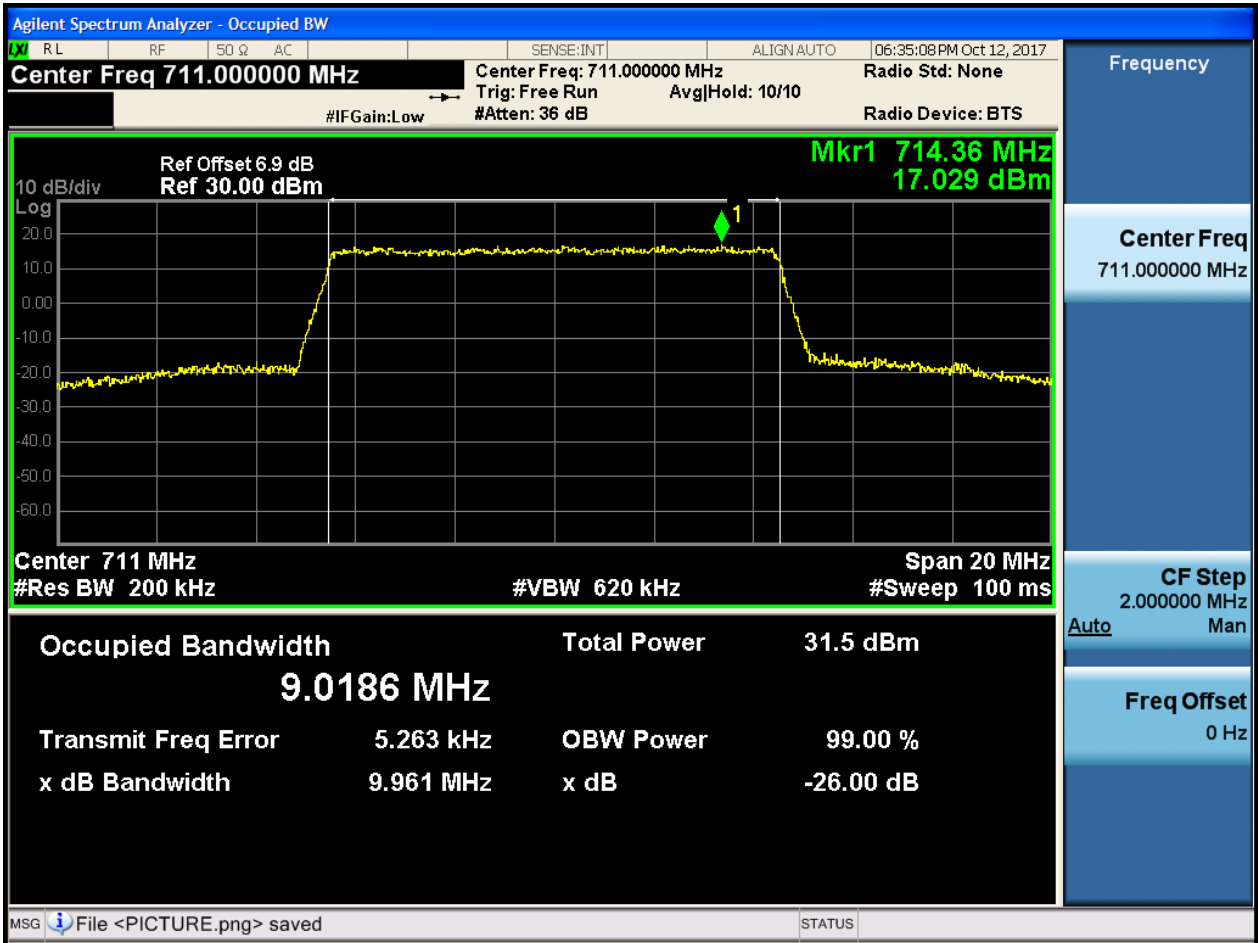
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



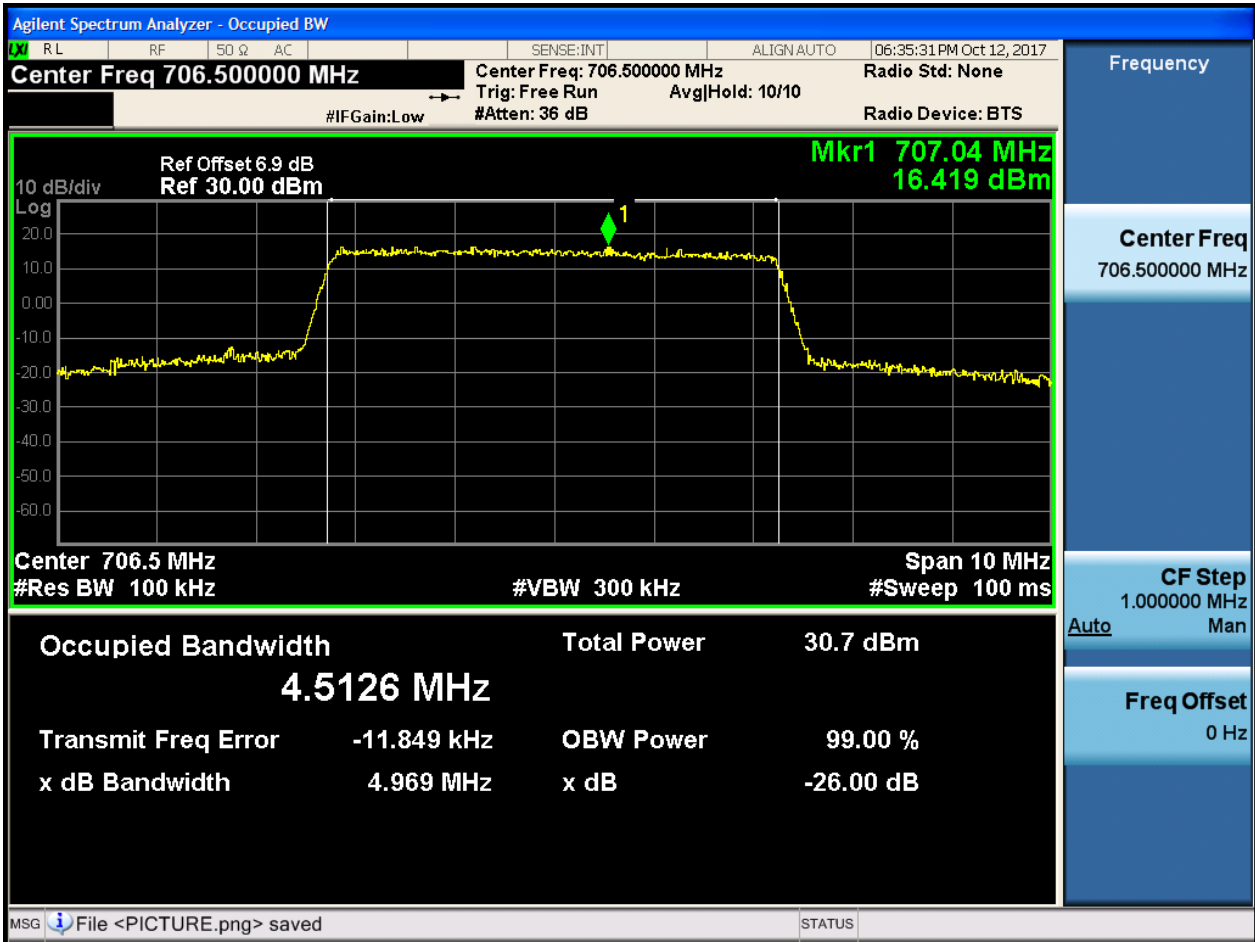


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

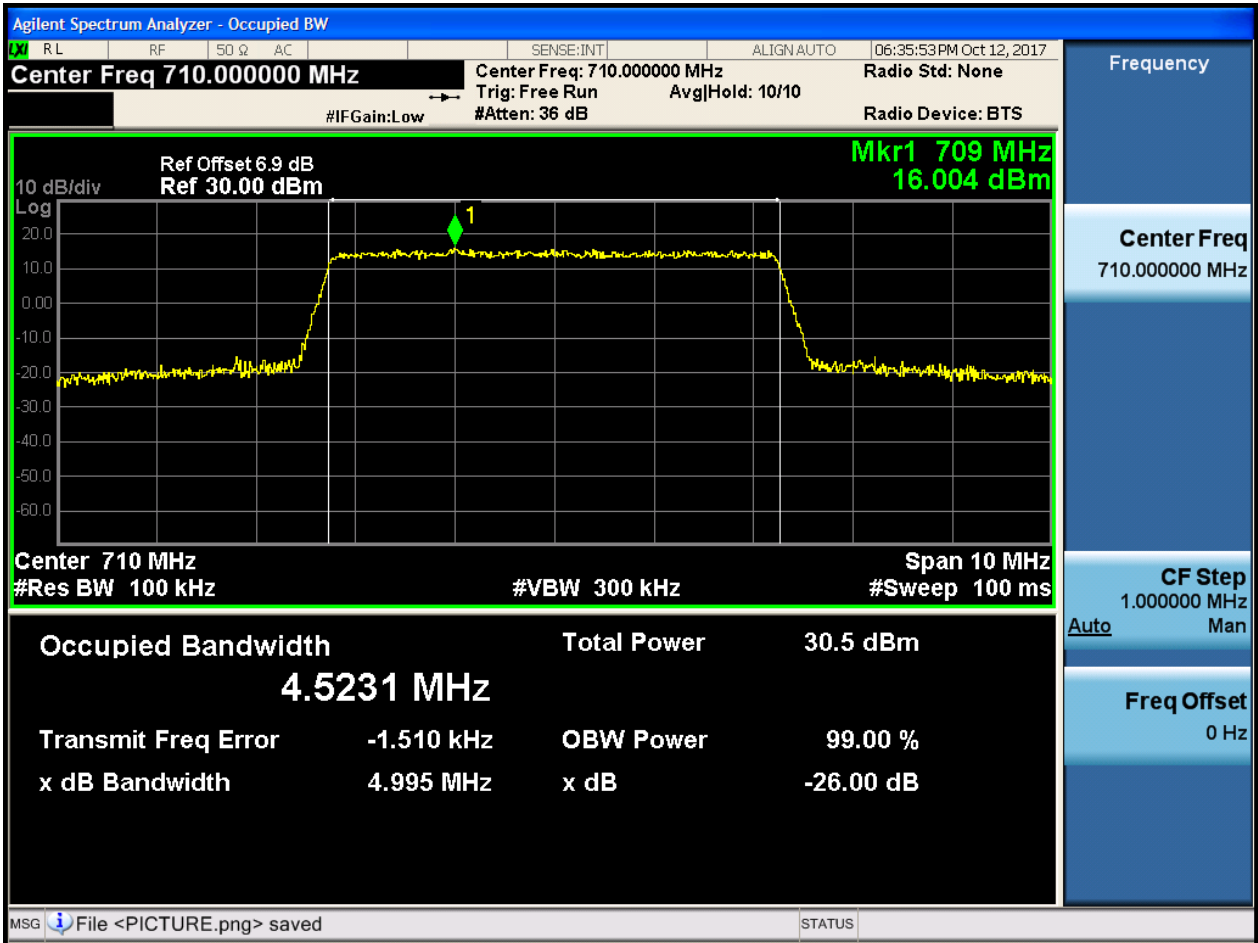
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

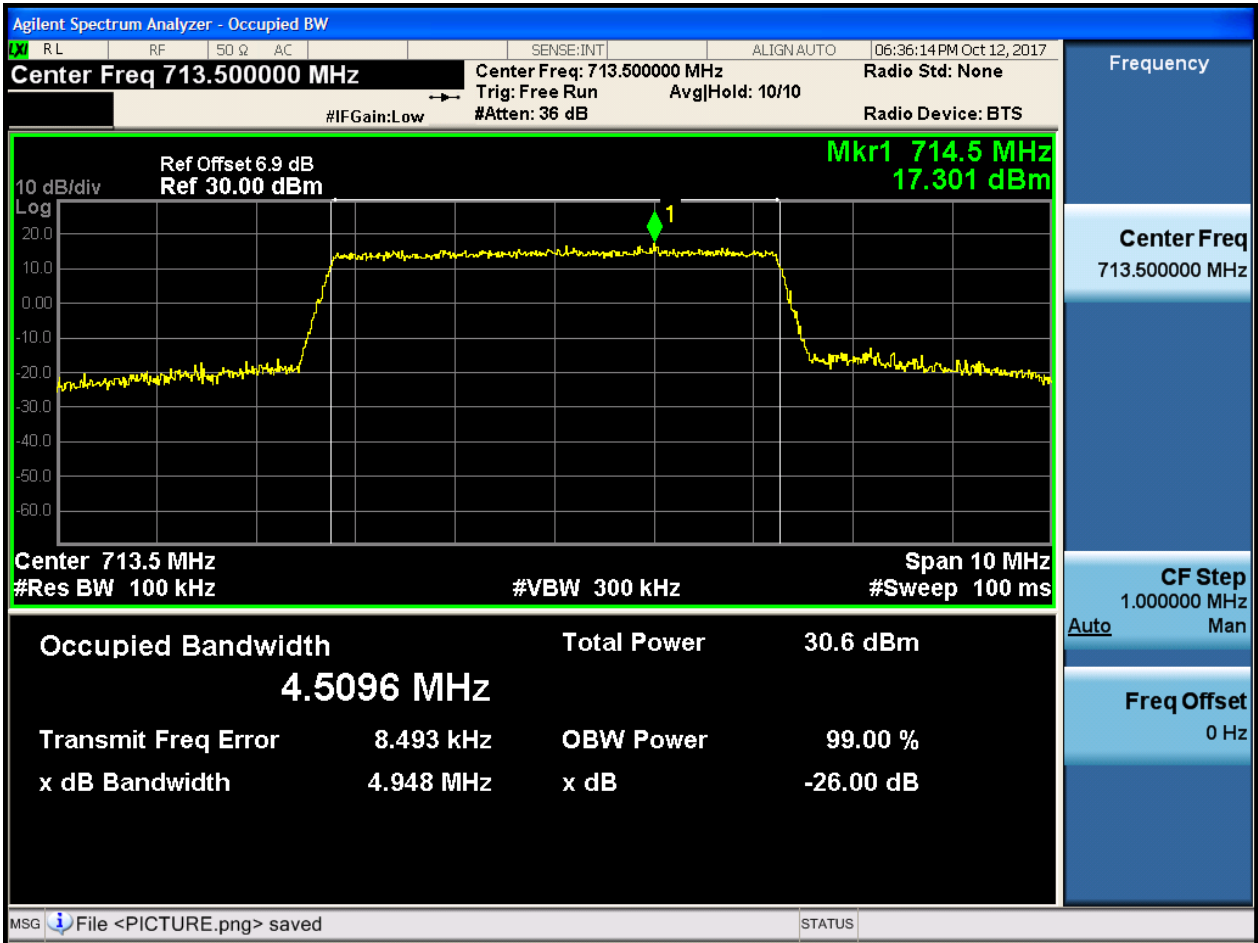
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

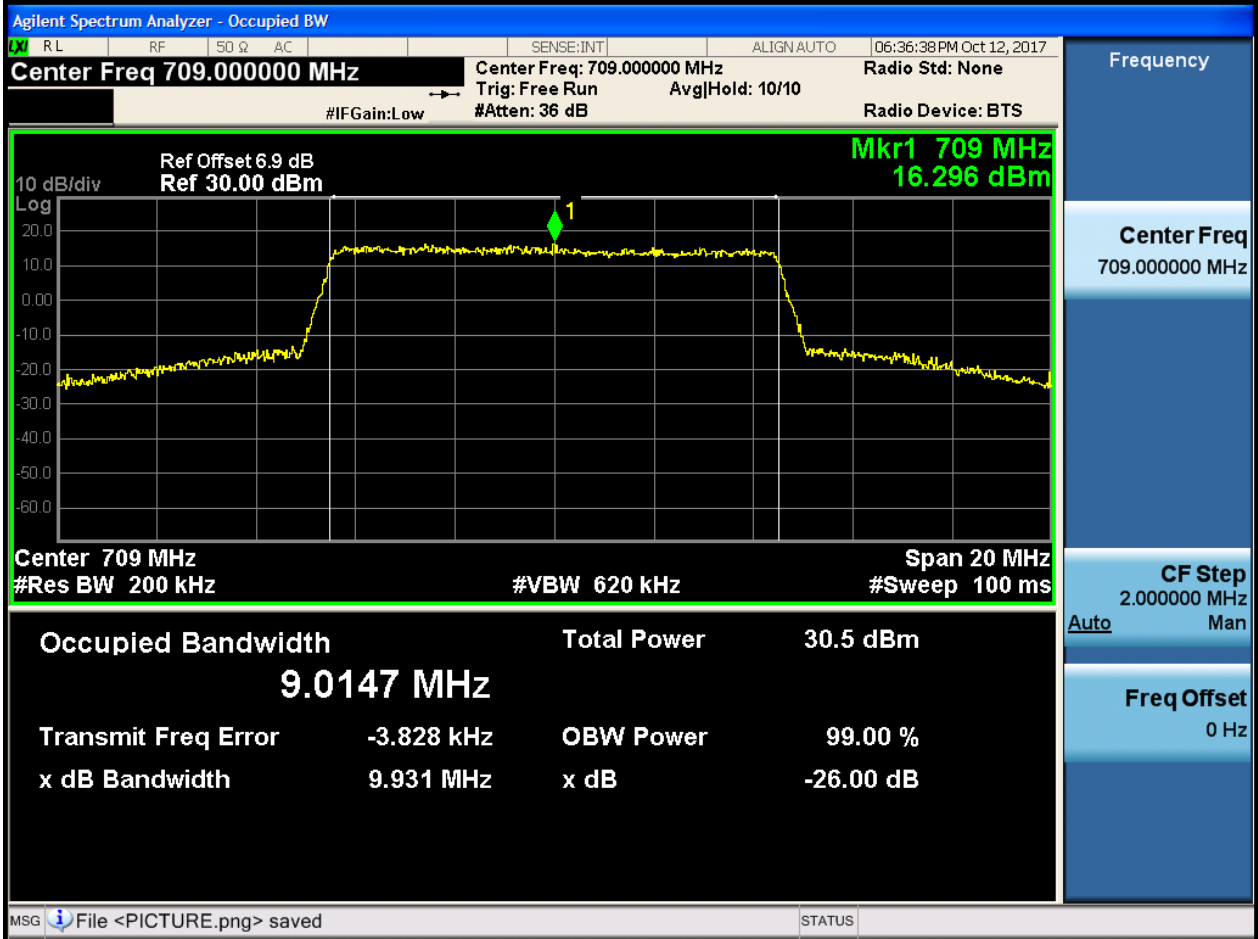




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

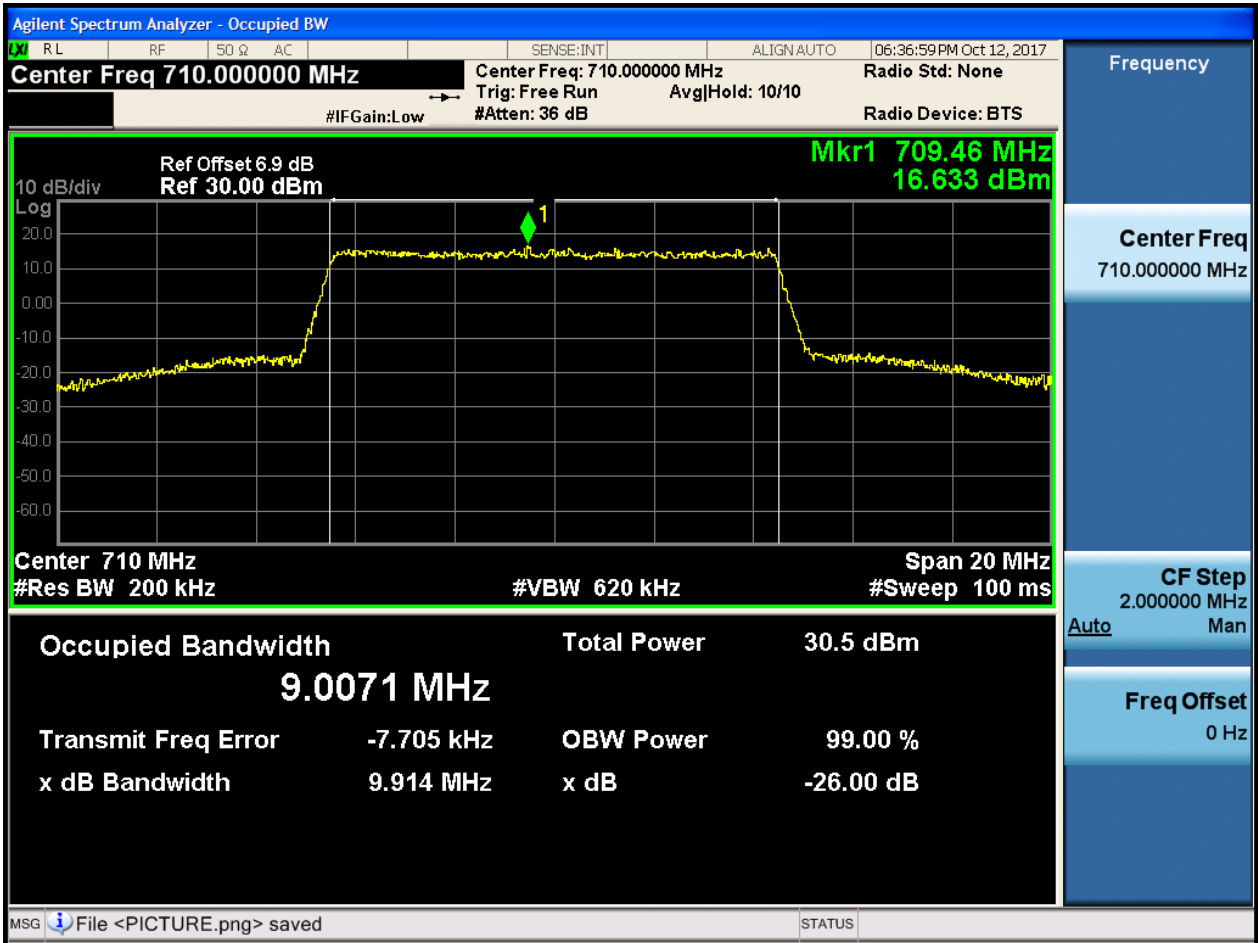
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

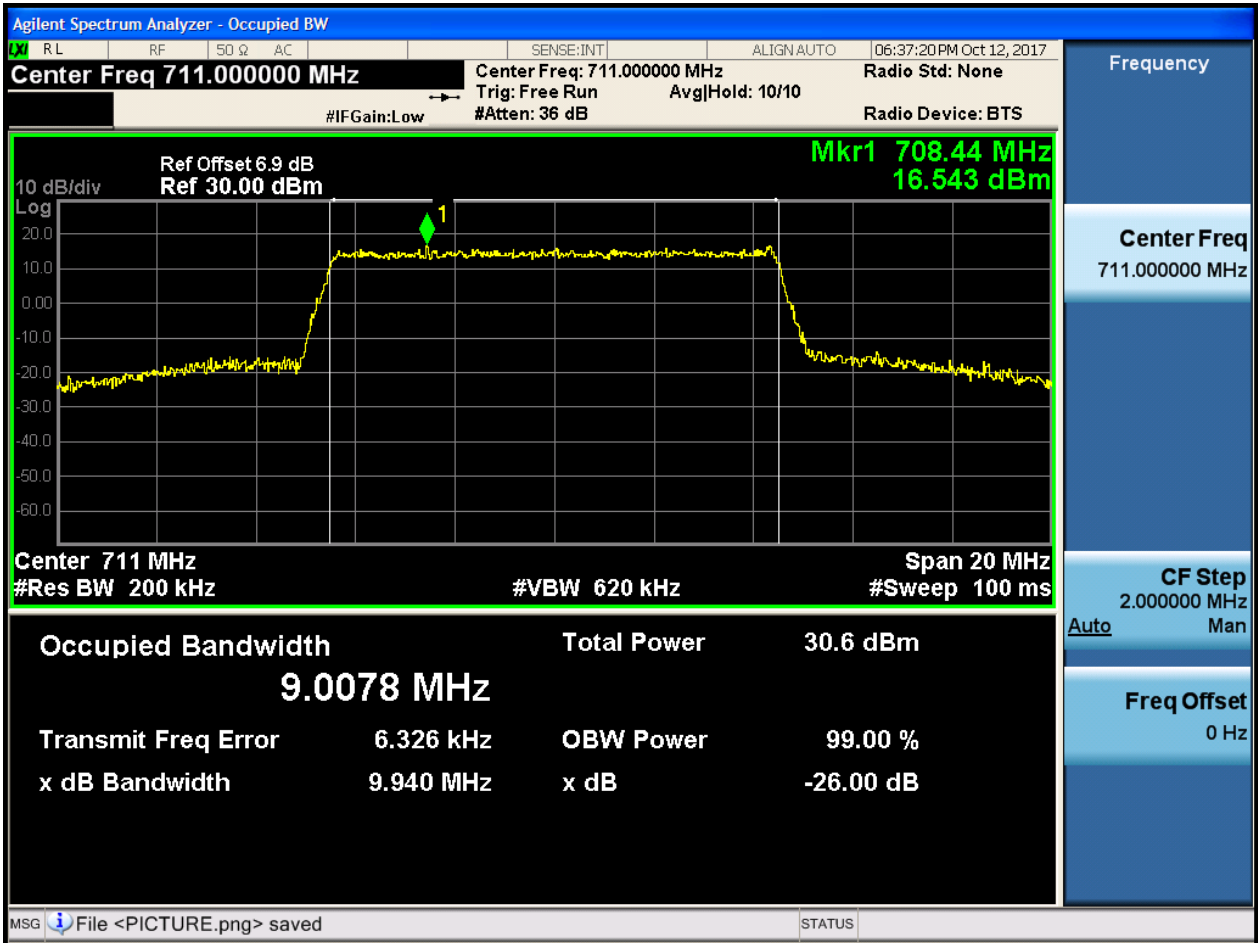
4.1.1.2.2.2.1 Test RB = RB50#0





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

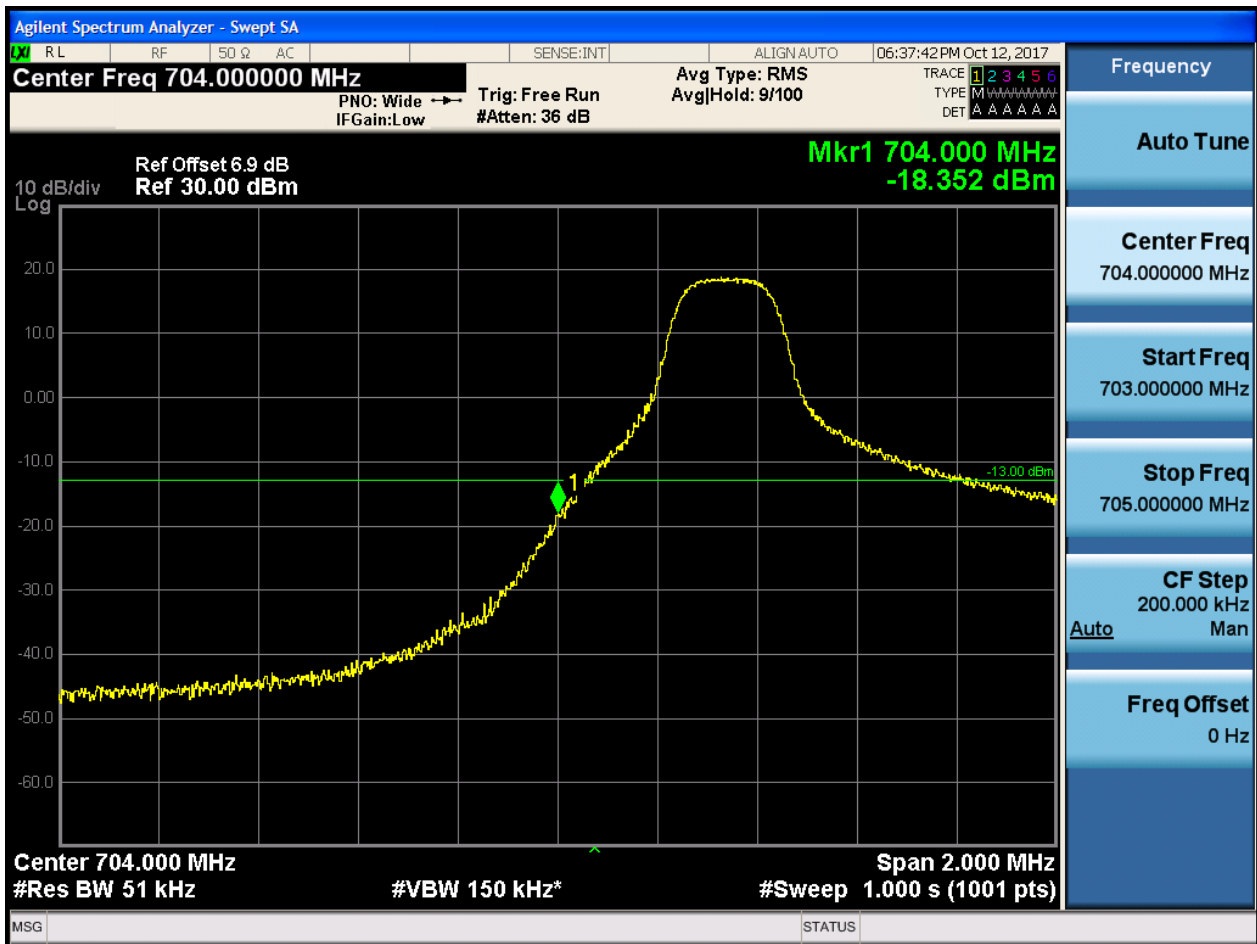
5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

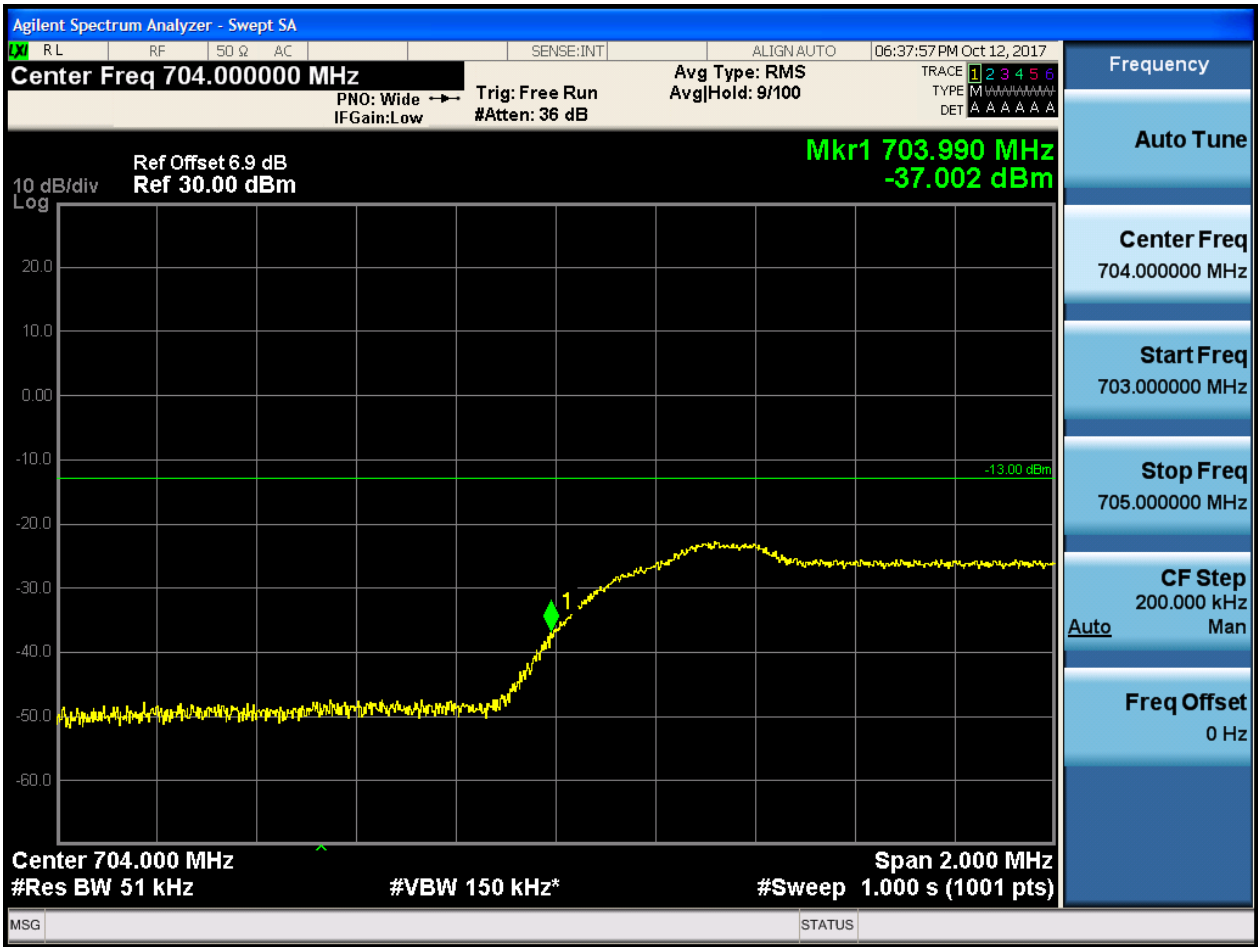
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24



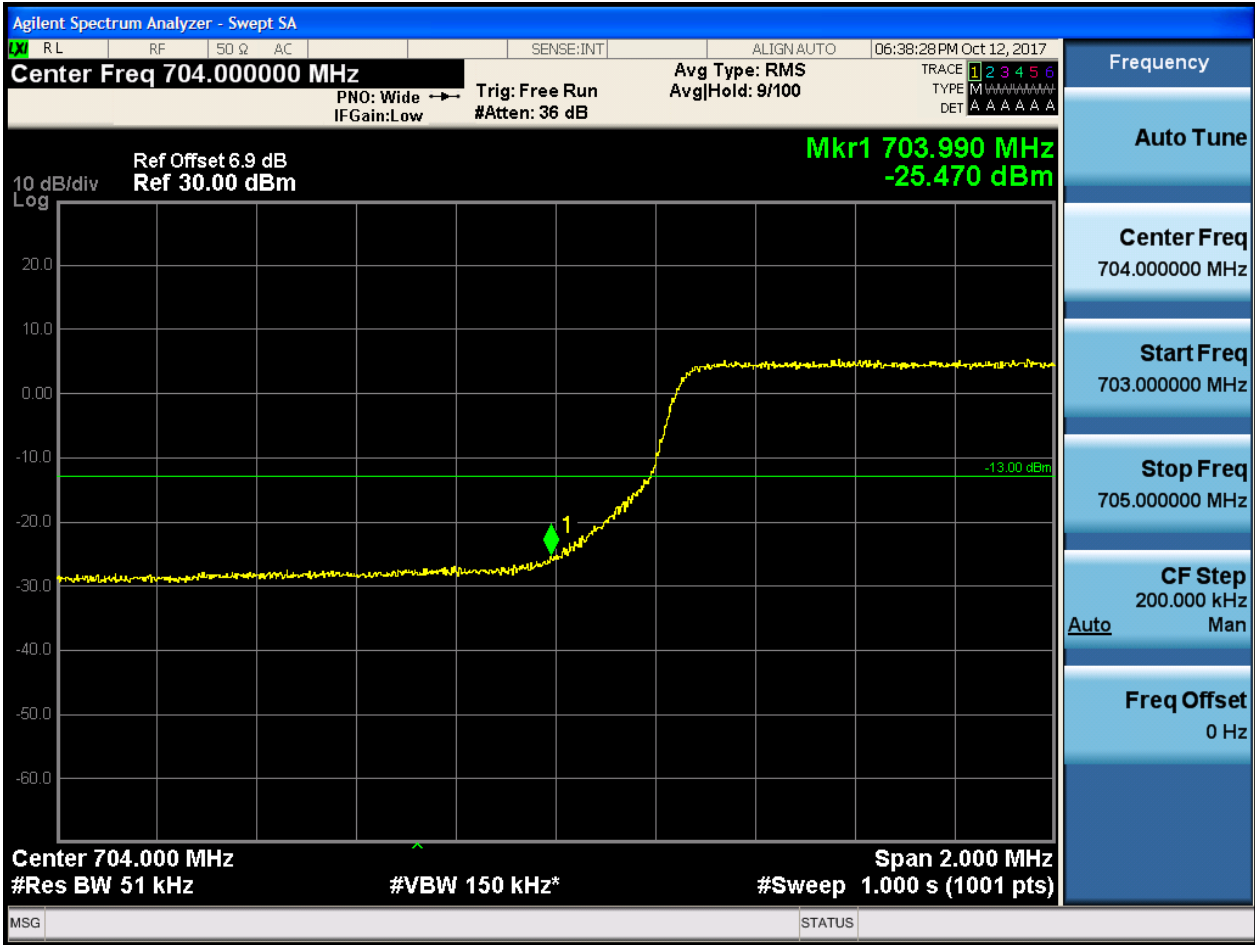


5.1.1.1.1.3 Test RB = RB12#6





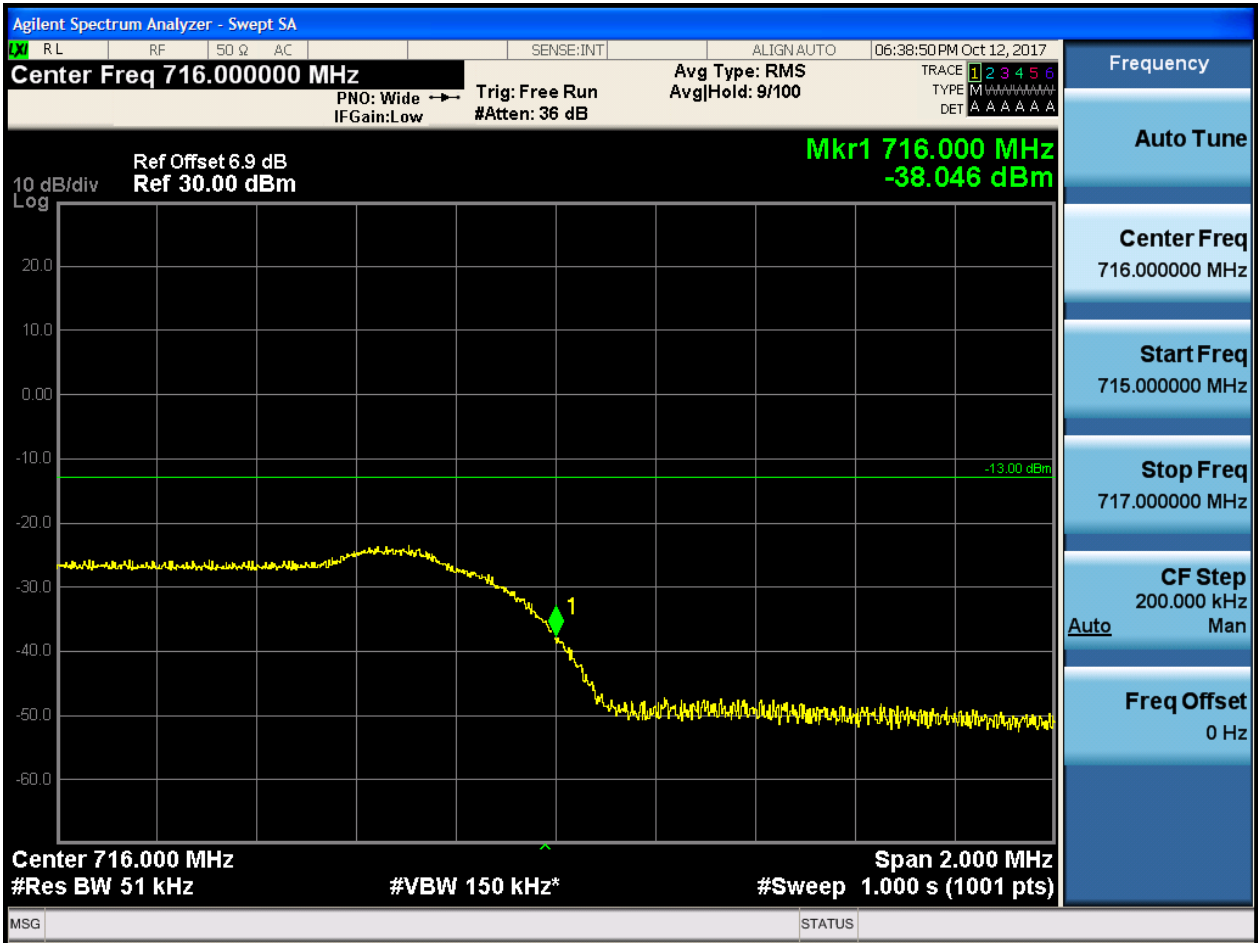
5.1.1.1.1.4 Test RB = RB25#0





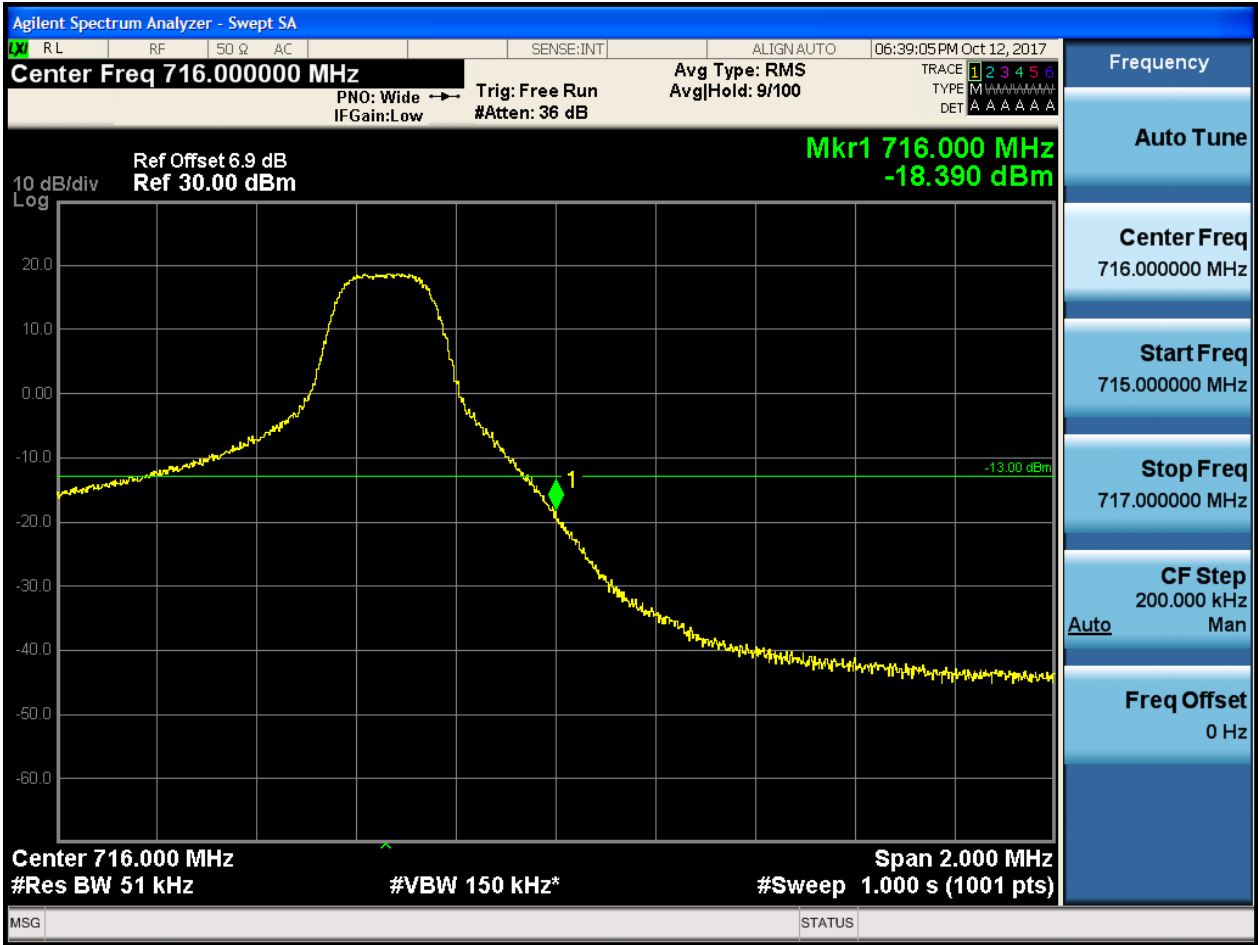
5.1.1.1.1.2 Test Channel = HCH

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

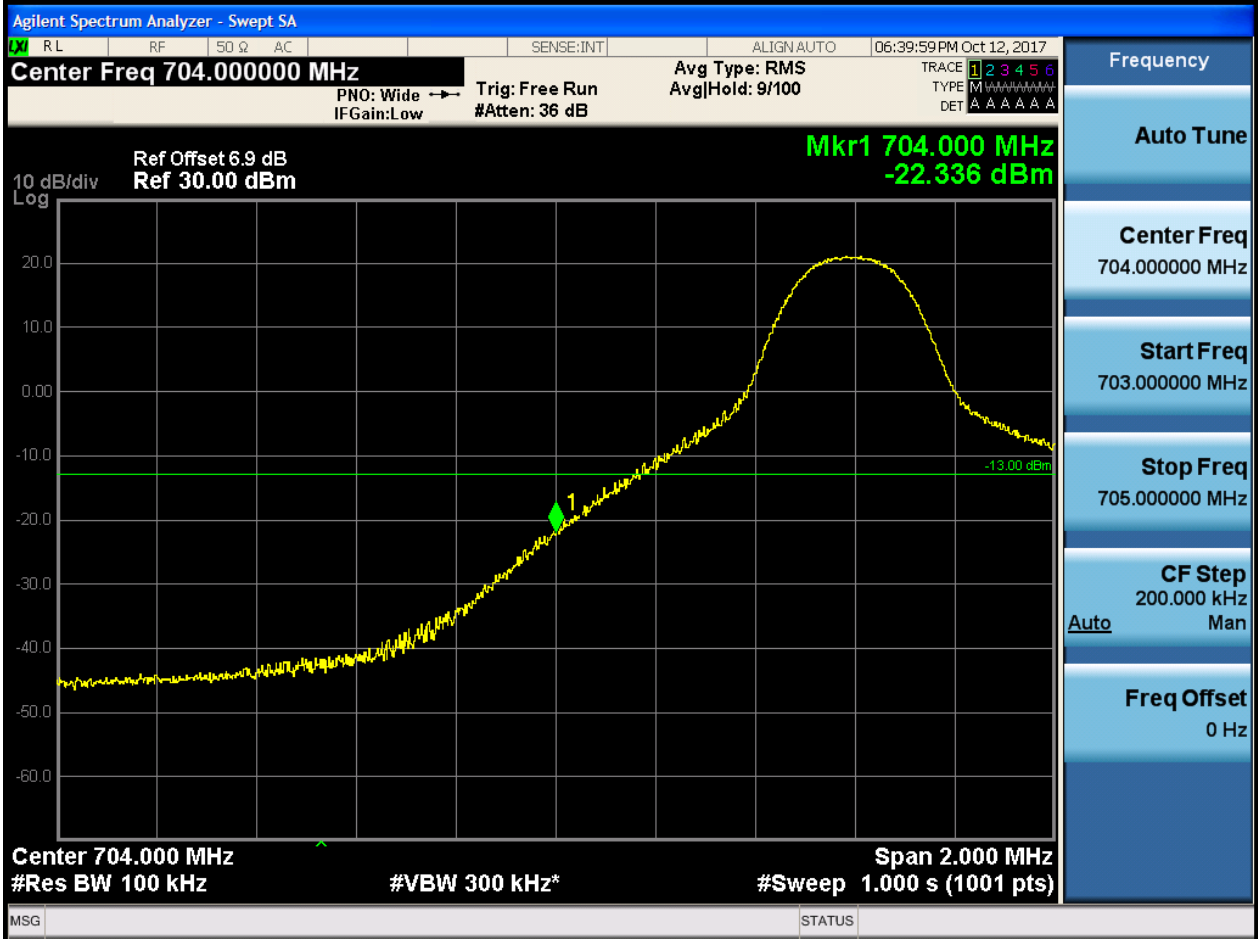




5.1.1.1.2 Test Bandwidth = 10

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



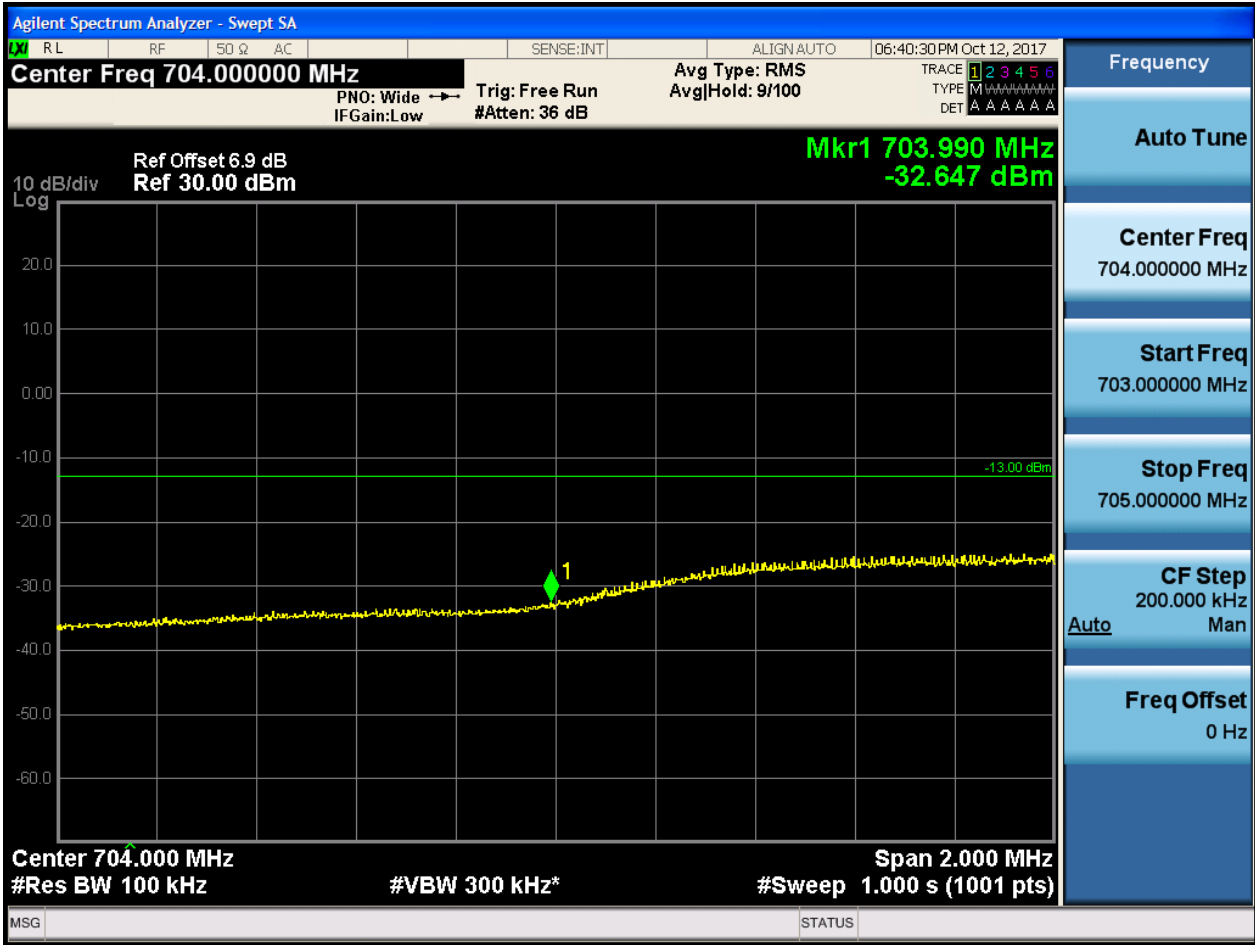


5.1.1.1.2.1.2 Test RB = RB1#49



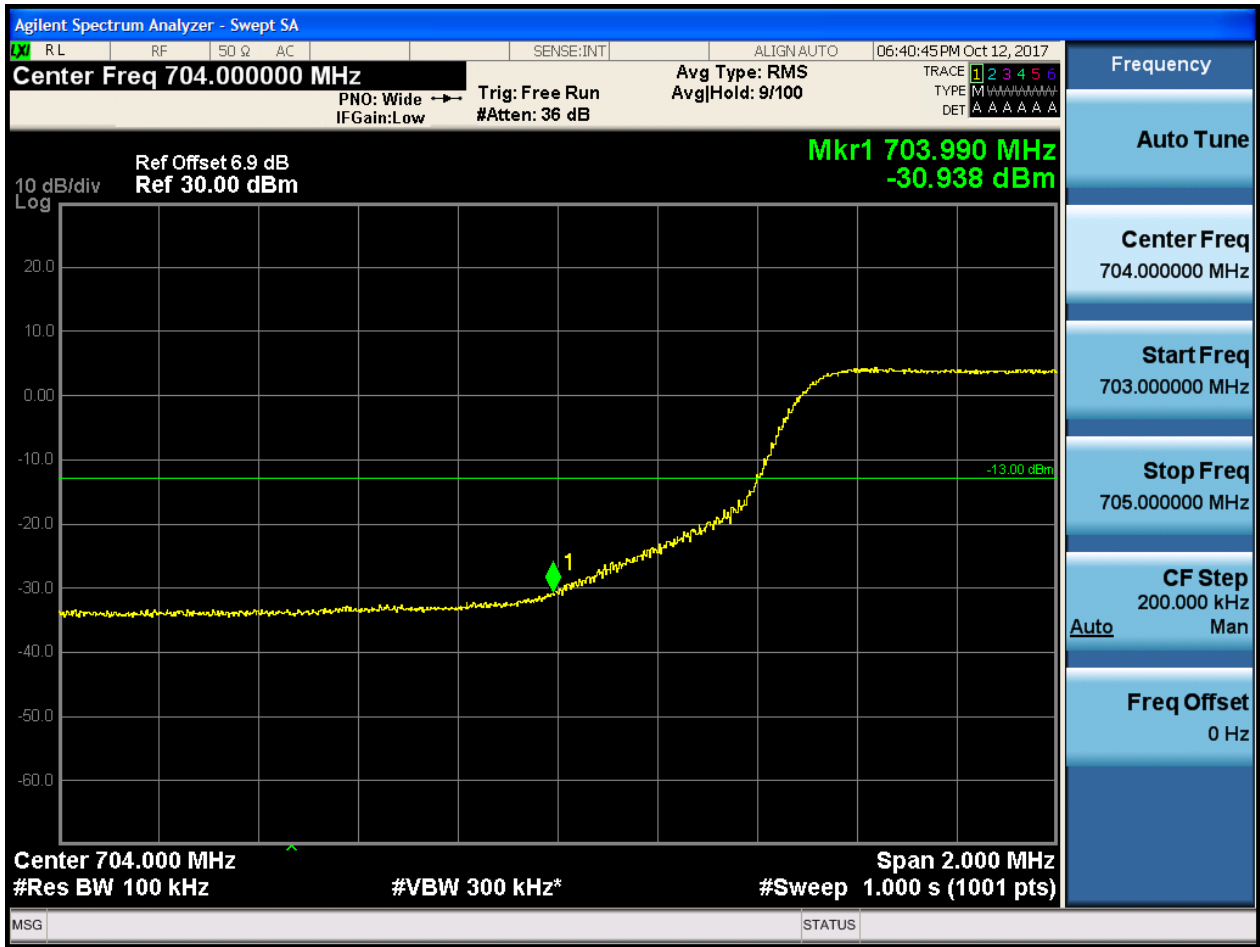


5.1.1.1.2.1.3 Test RB = RB25#13





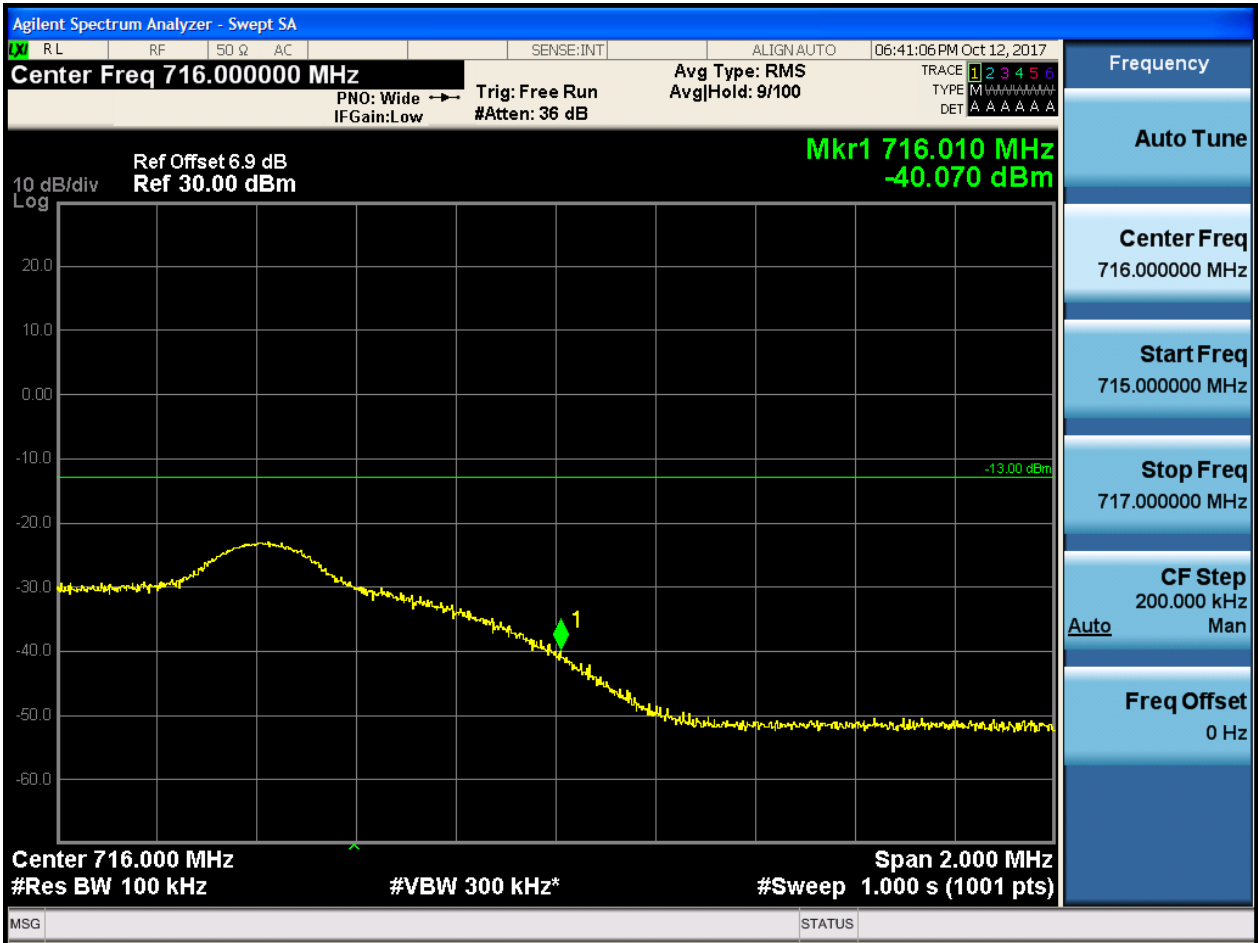
5.1.1.1.2.1.4 Test RB = RB50#0





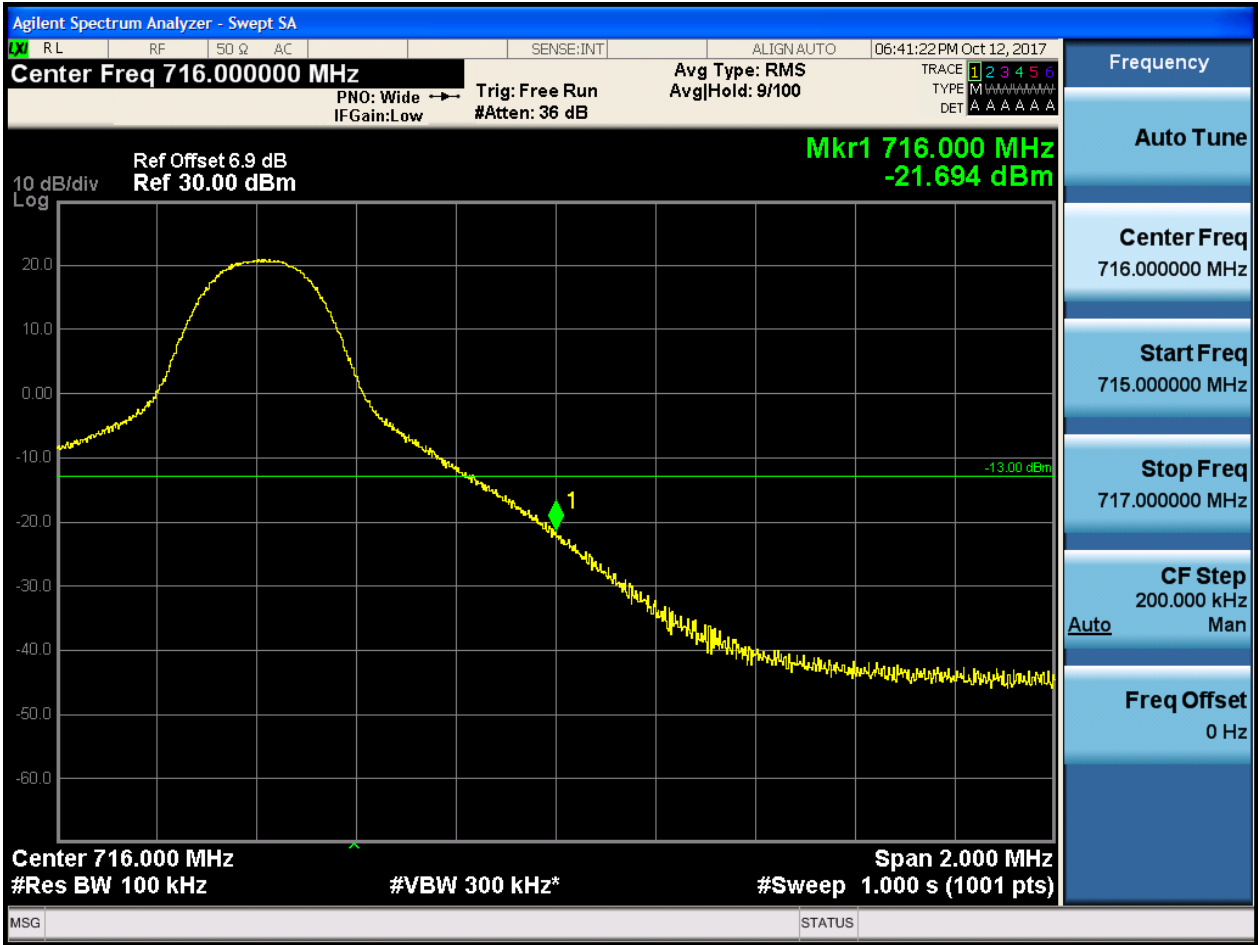
5.1.1.1.2.2 Test Channel = HCH

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



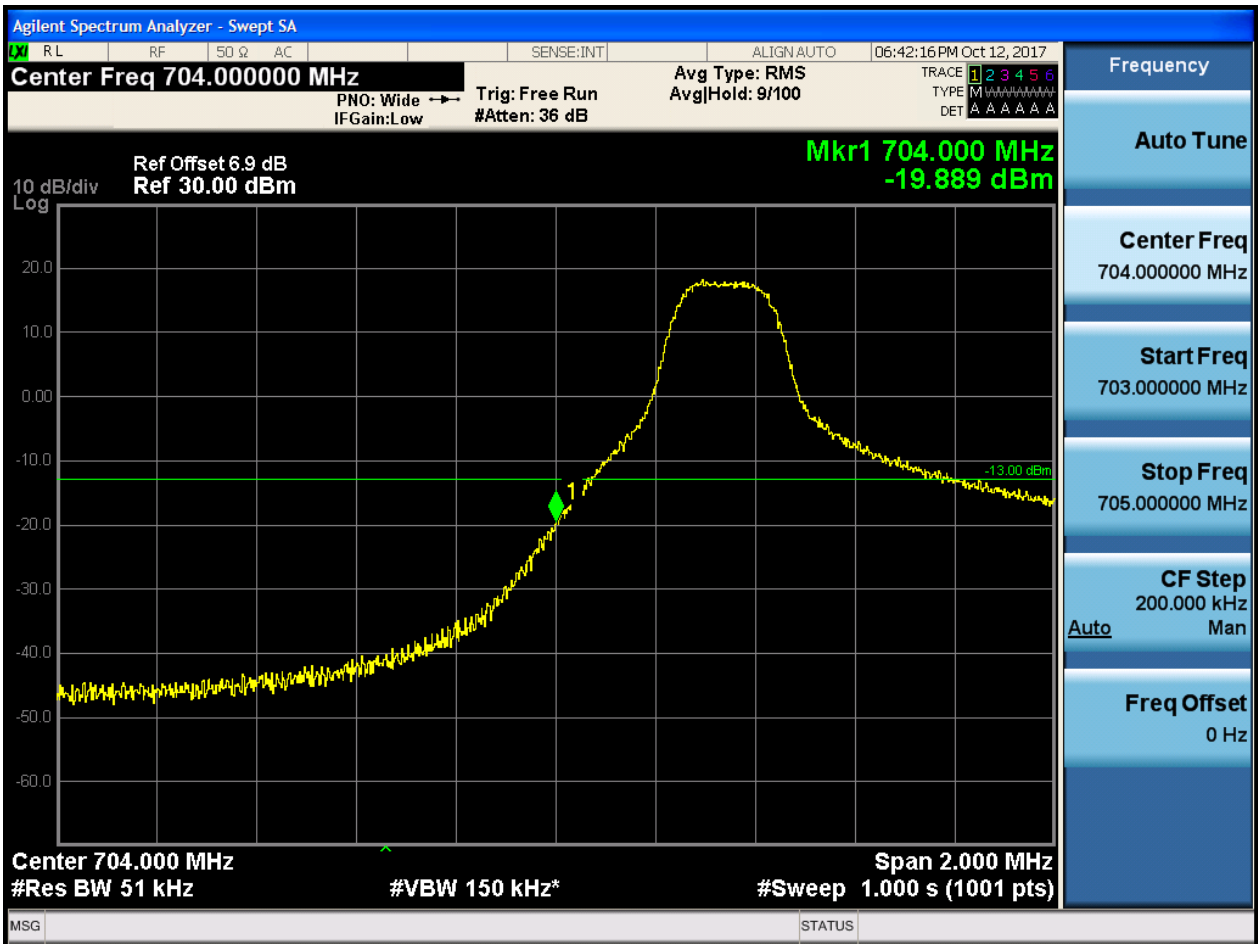


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

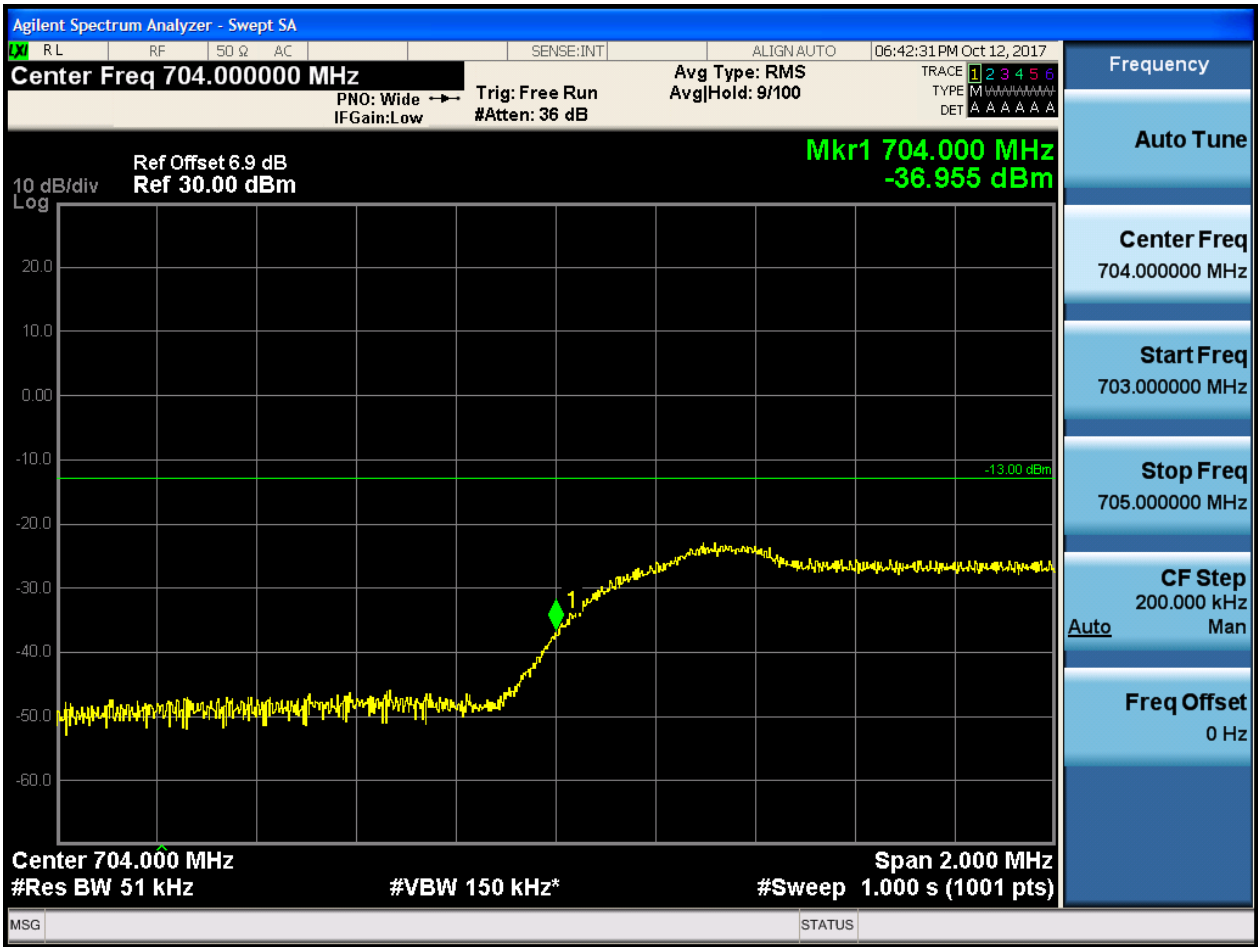
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#24



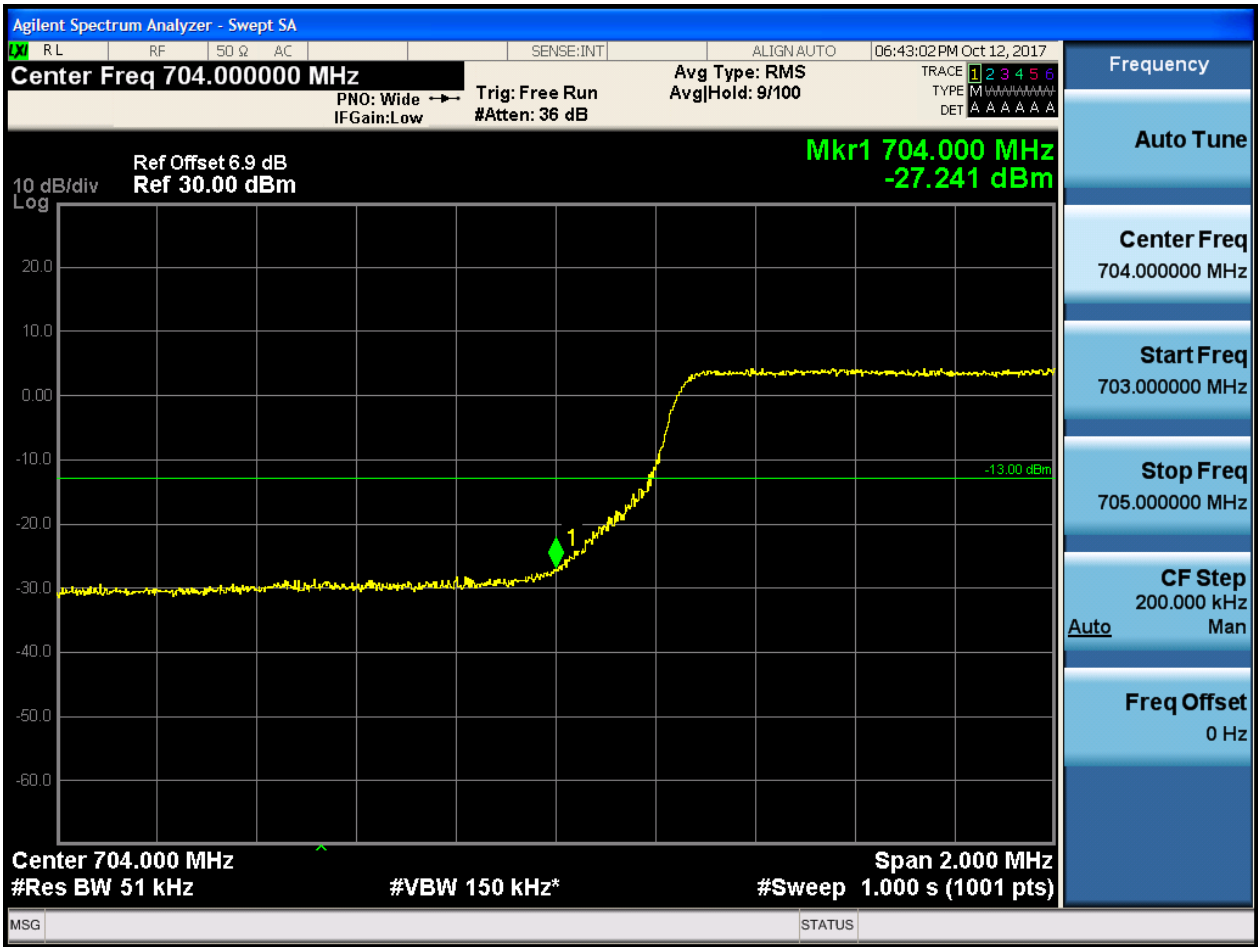


5.1.1.2.1.1.3 Test RB = RB12#6





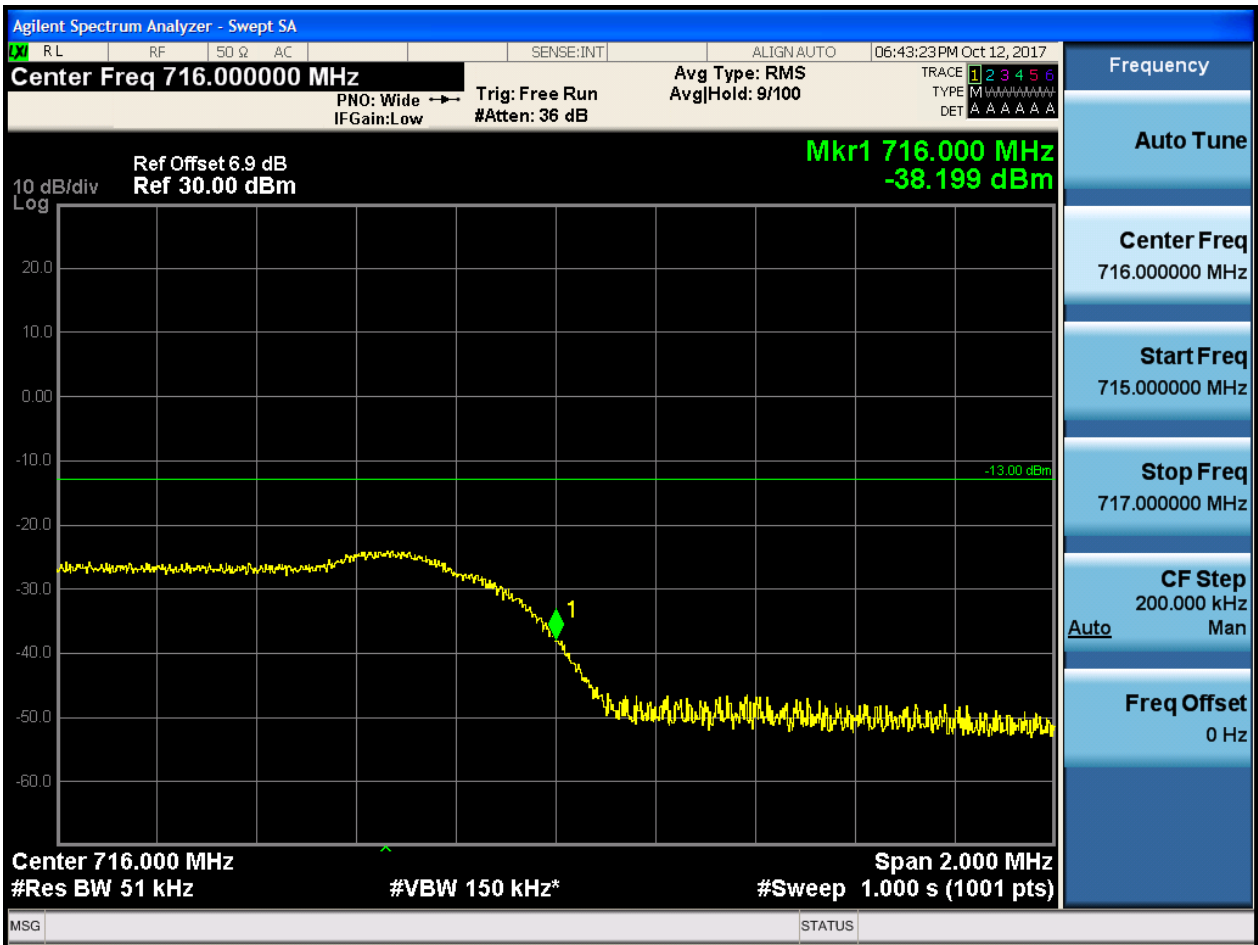
5.1.1.2.1.1.4 Test RB = RB25#0





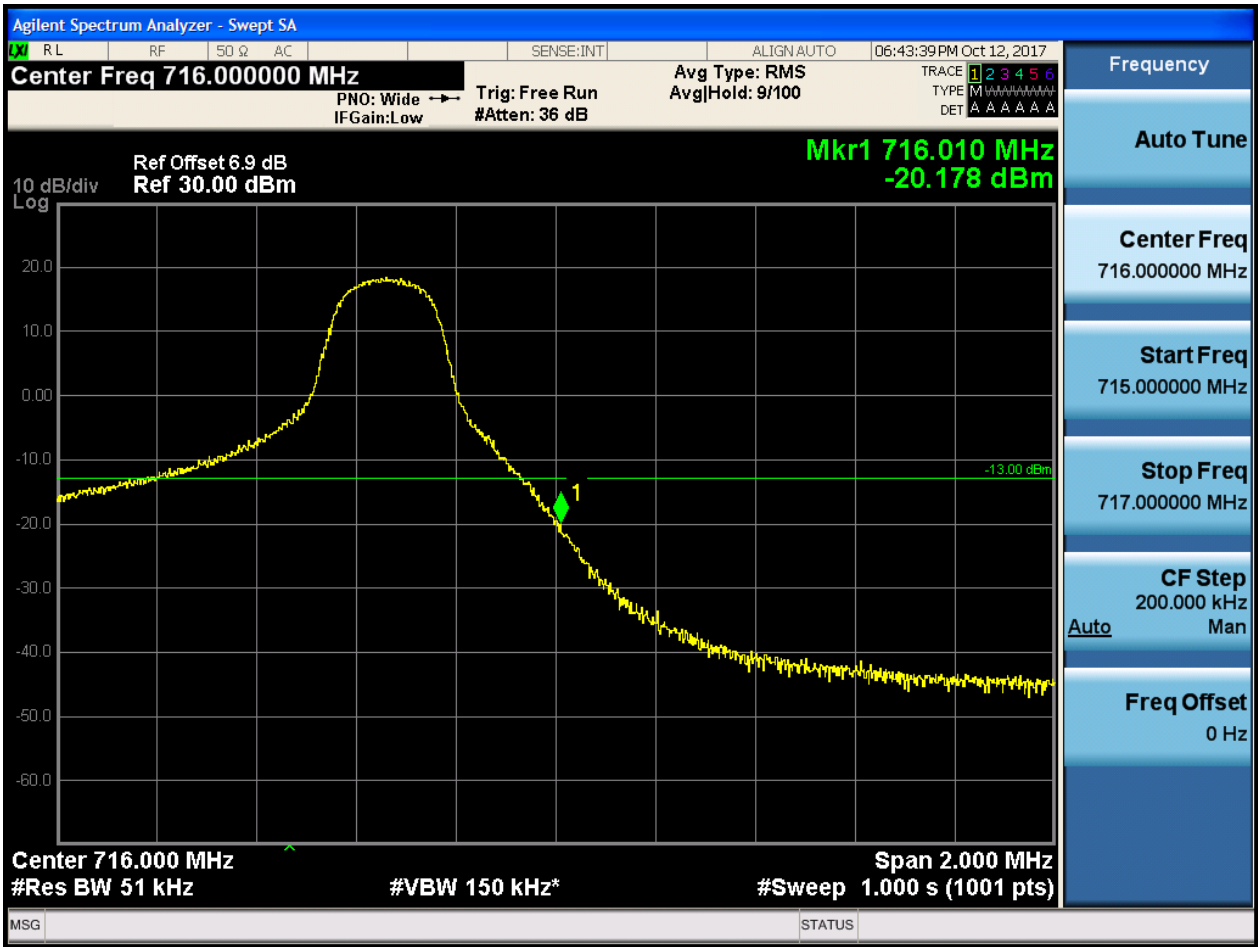
5.1.1.2.1.2 Test Channel = HCH

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

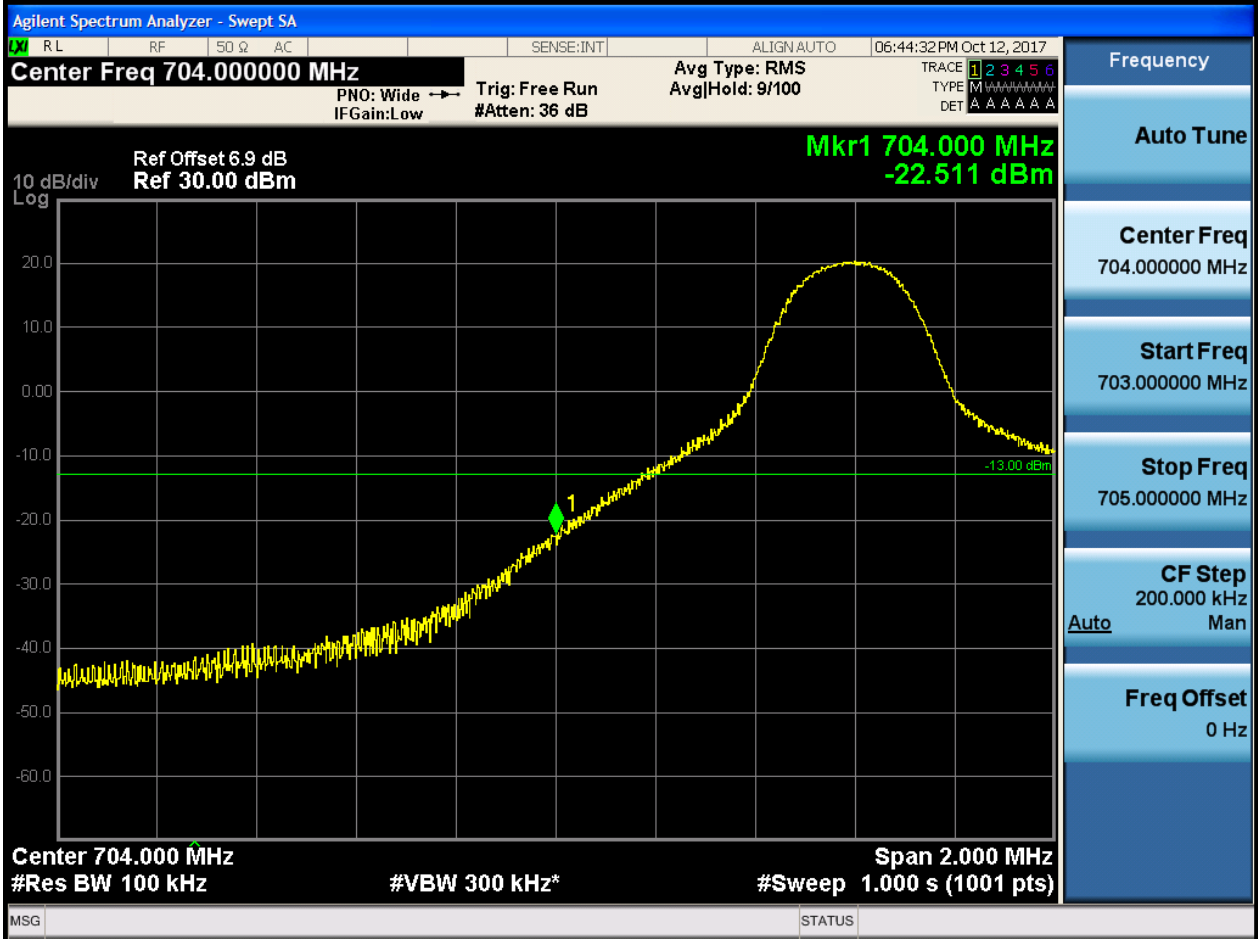




5.1.1.2.2 Test Bandwidth = 10

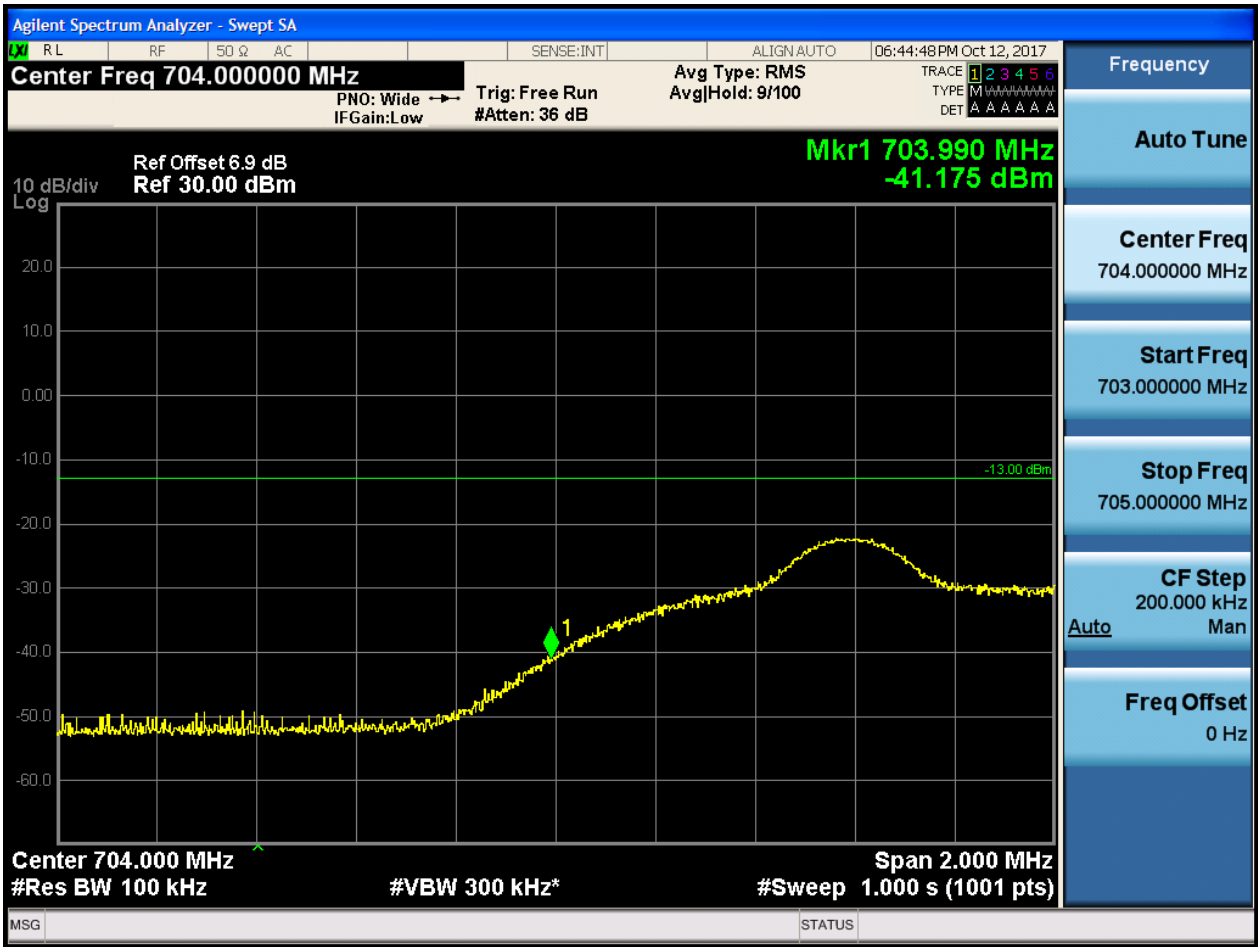
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



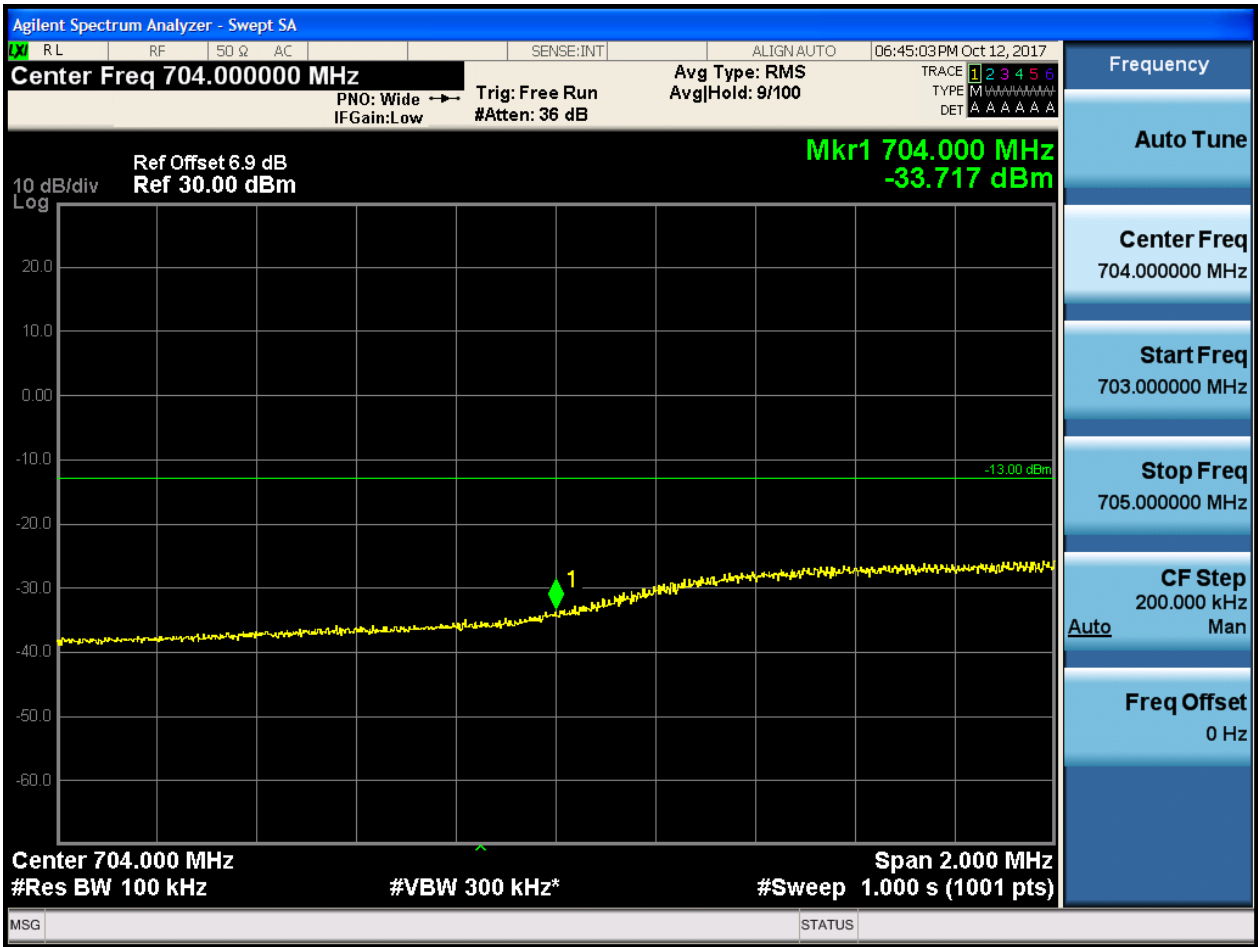


5.1.1.2.2.1.2 Test RB = RB1#49



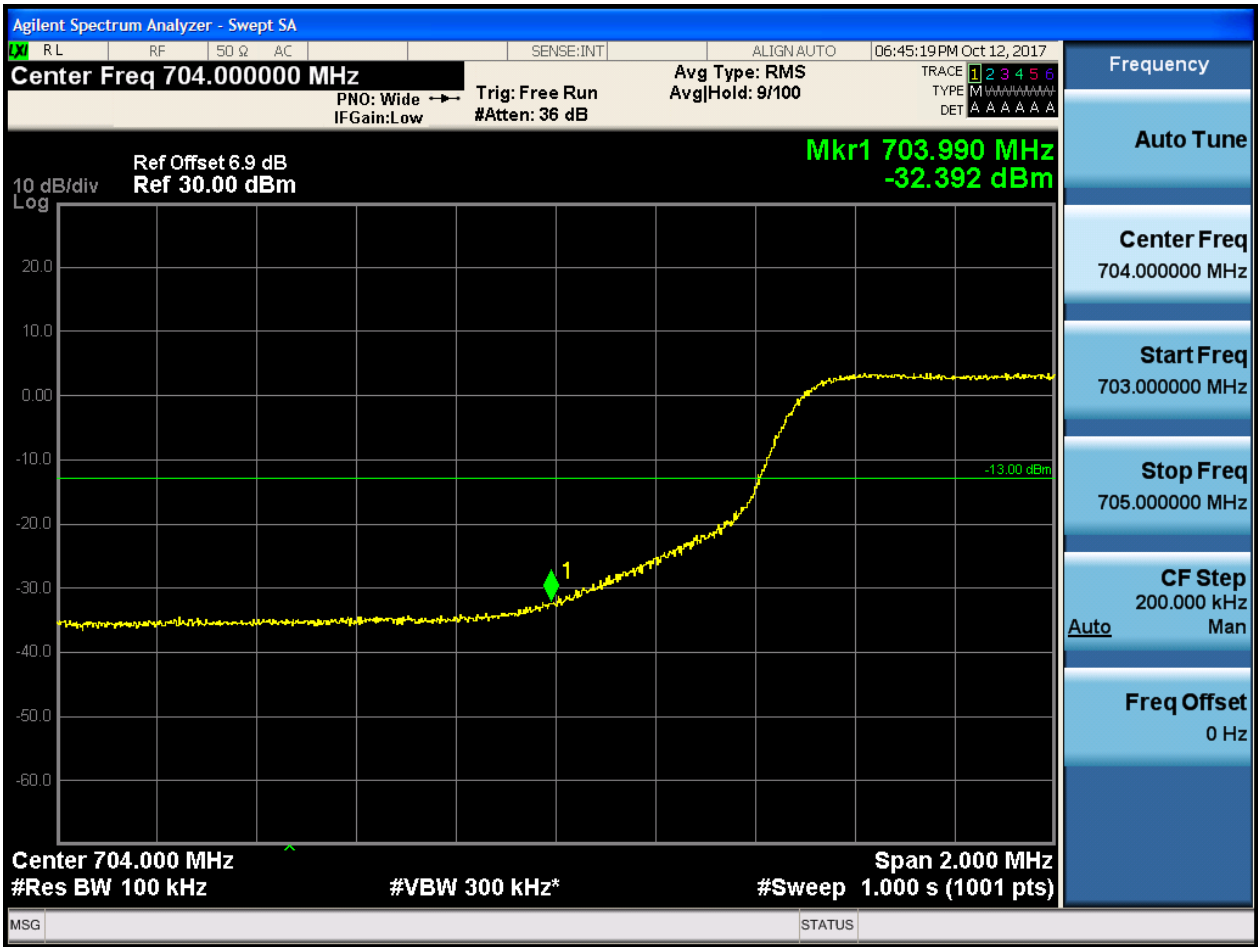


5.1.1.2.2.1.3 Test RB = RB25#13





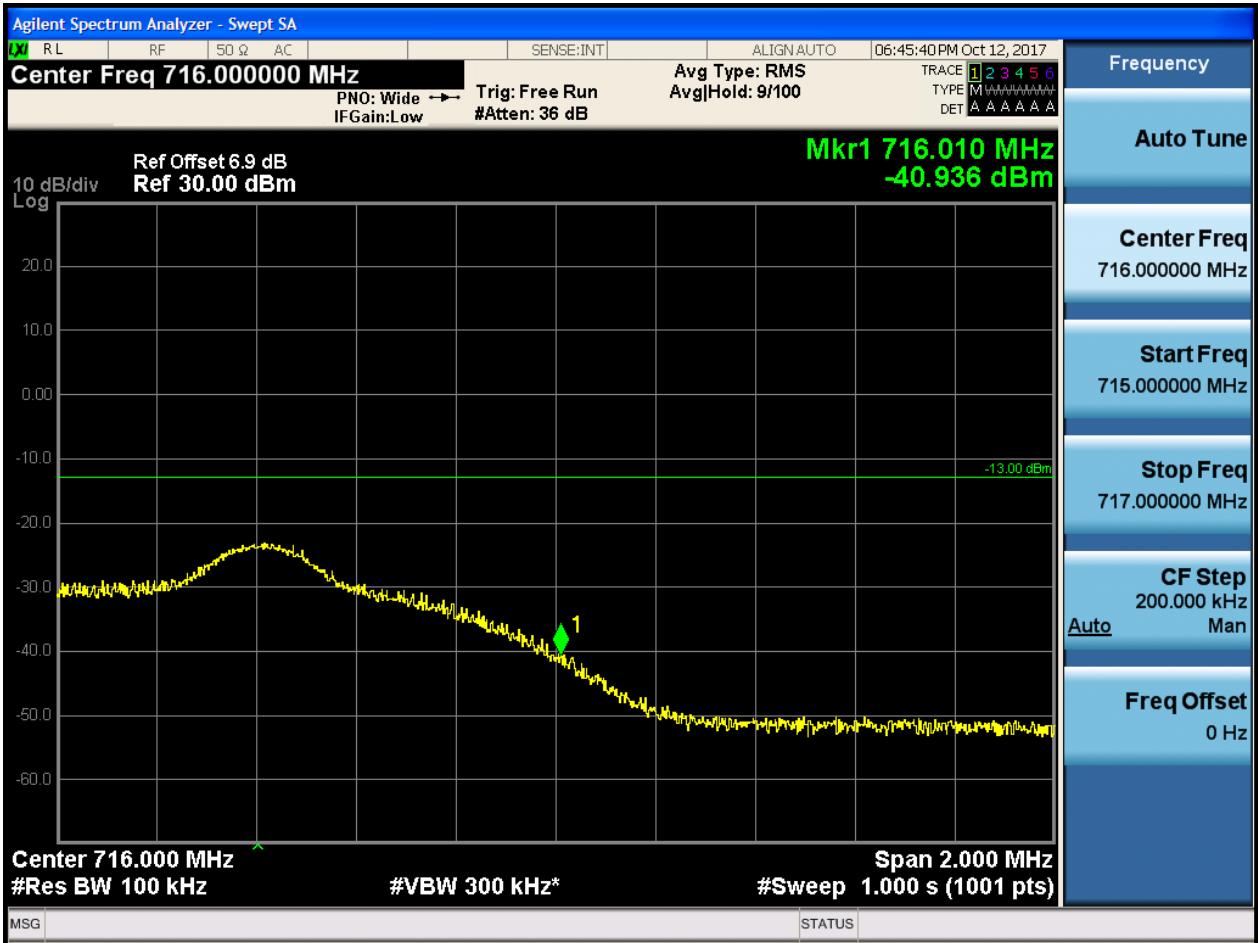
5.1.1.2.2.1.4 Test RB = RB50#0





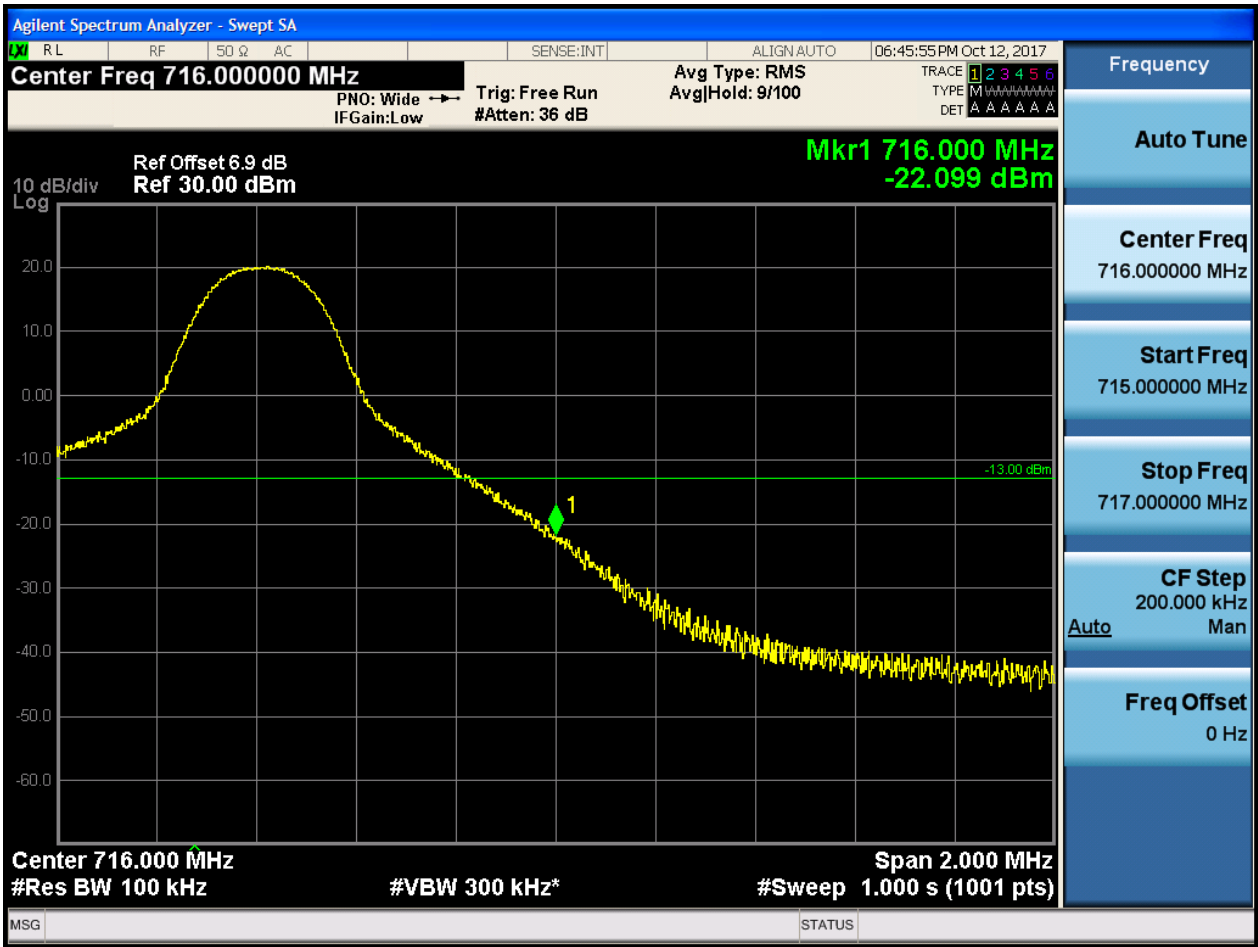
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#49



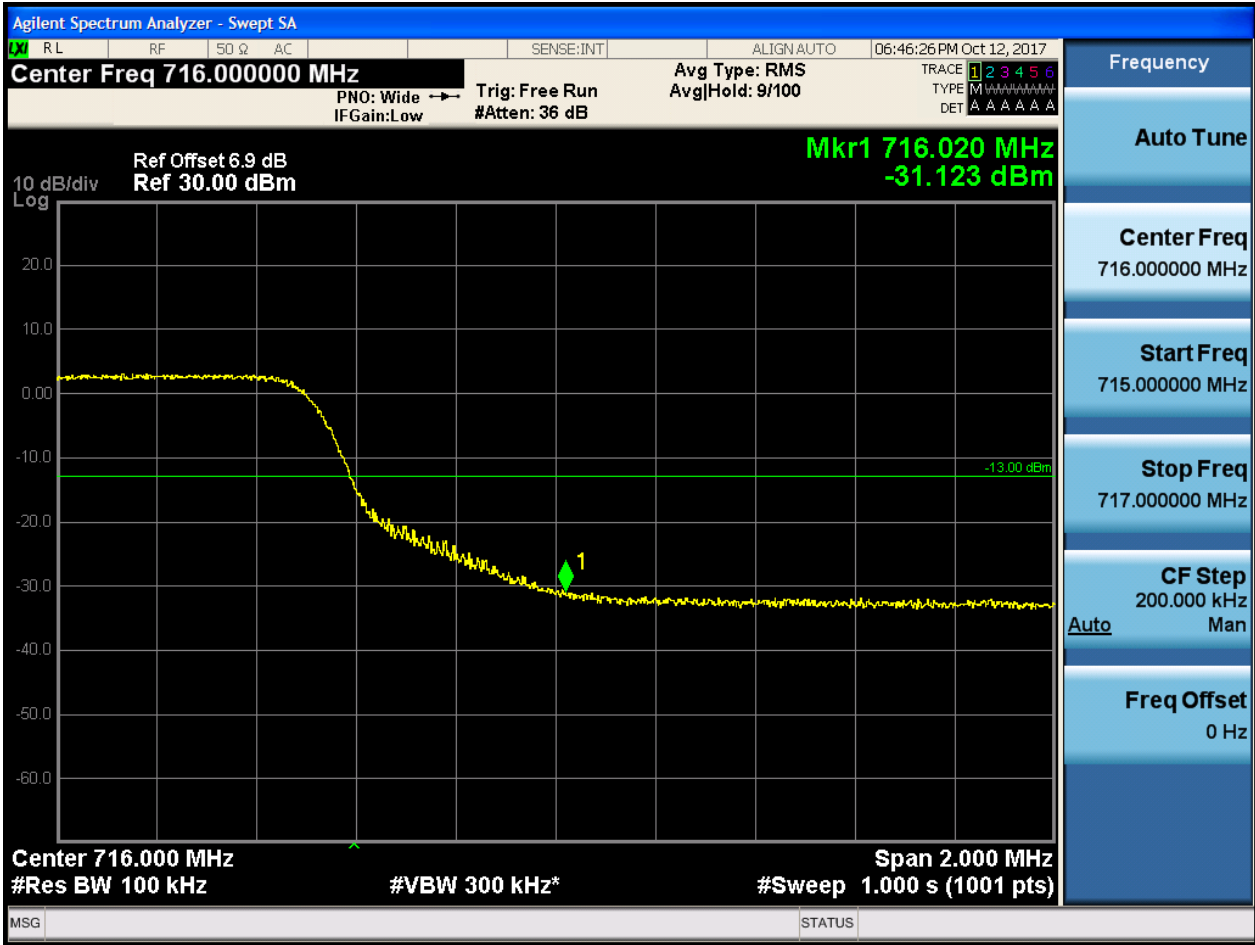


5.1.1.2.2.3 Test RB = RB25#13





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

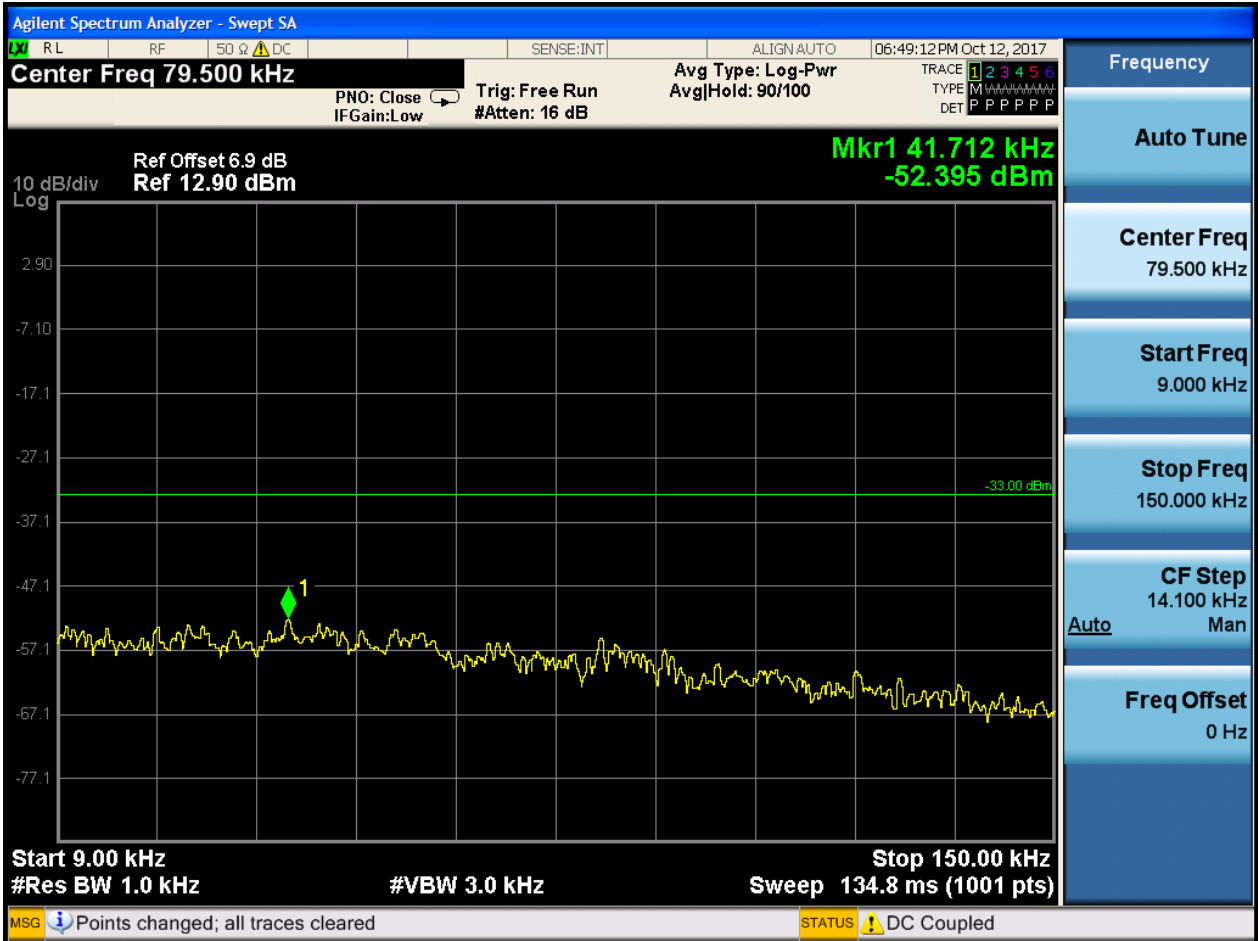
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

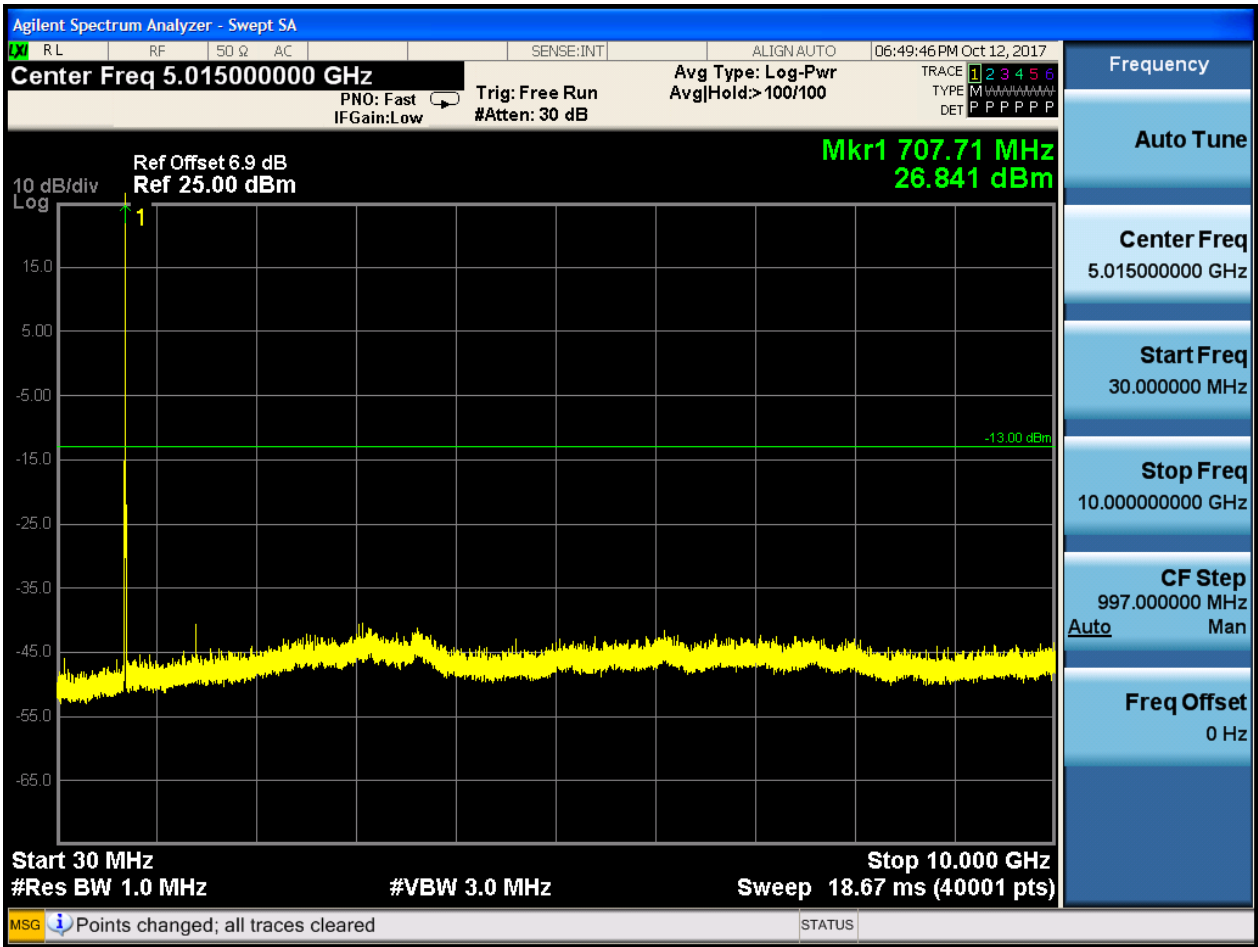


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



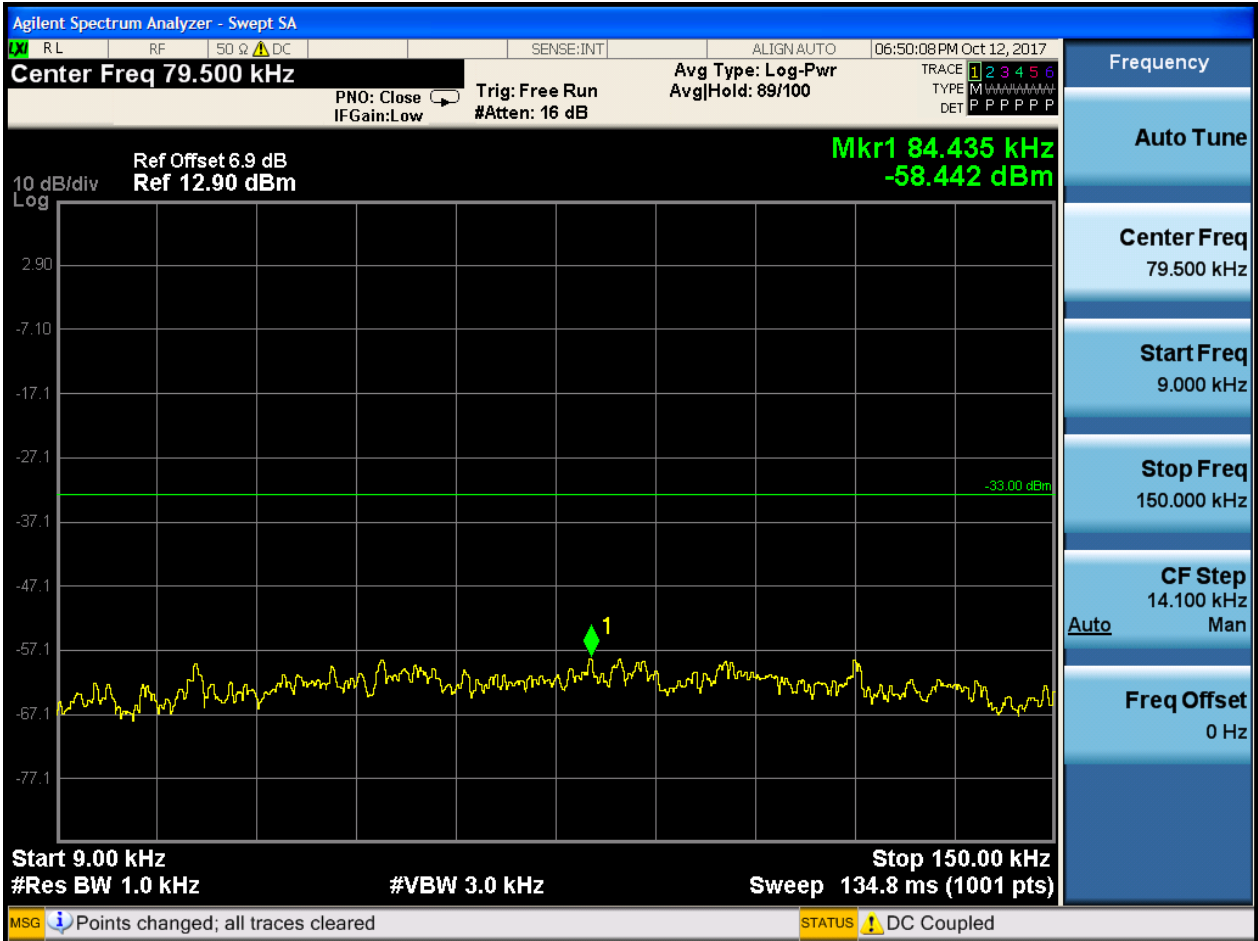


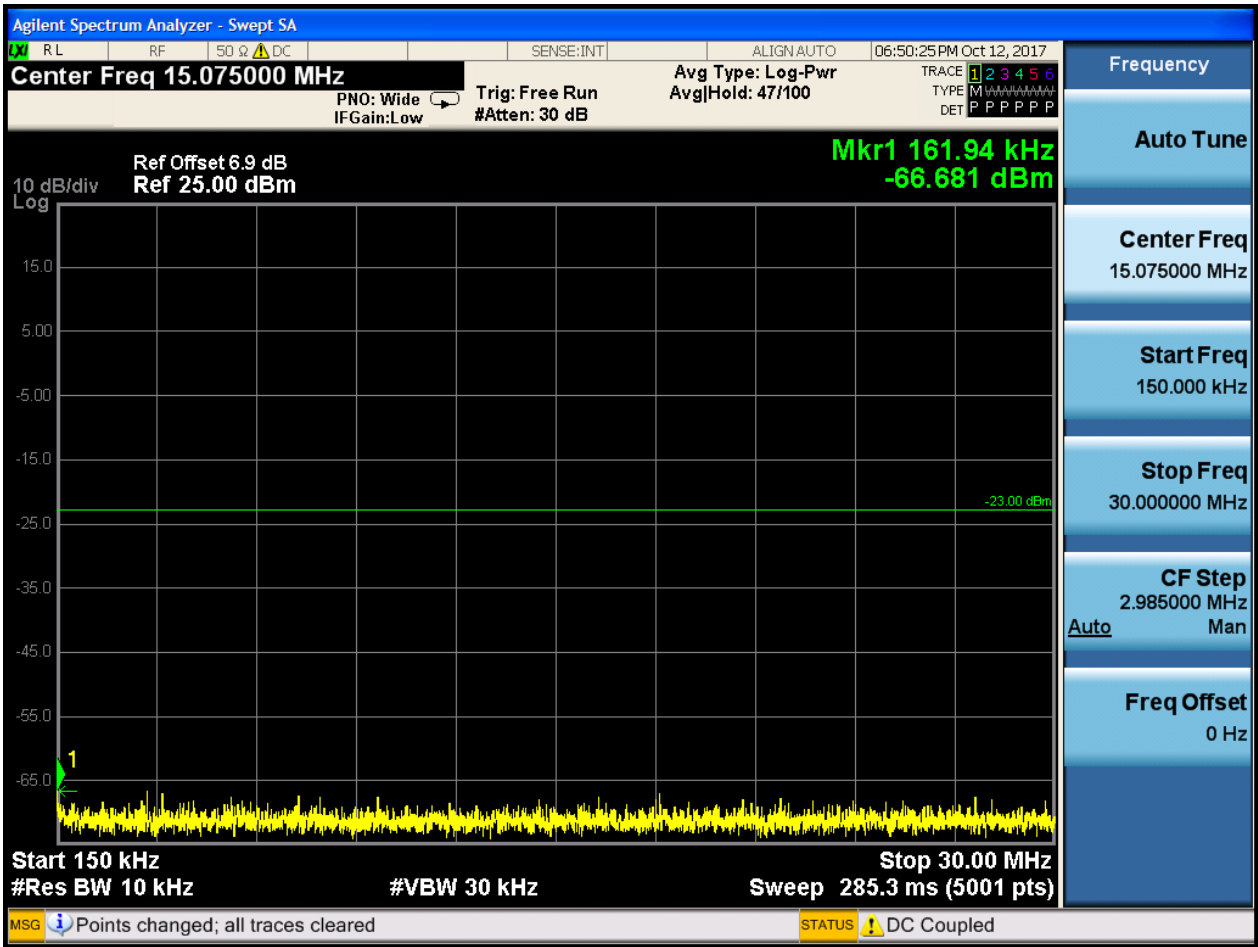


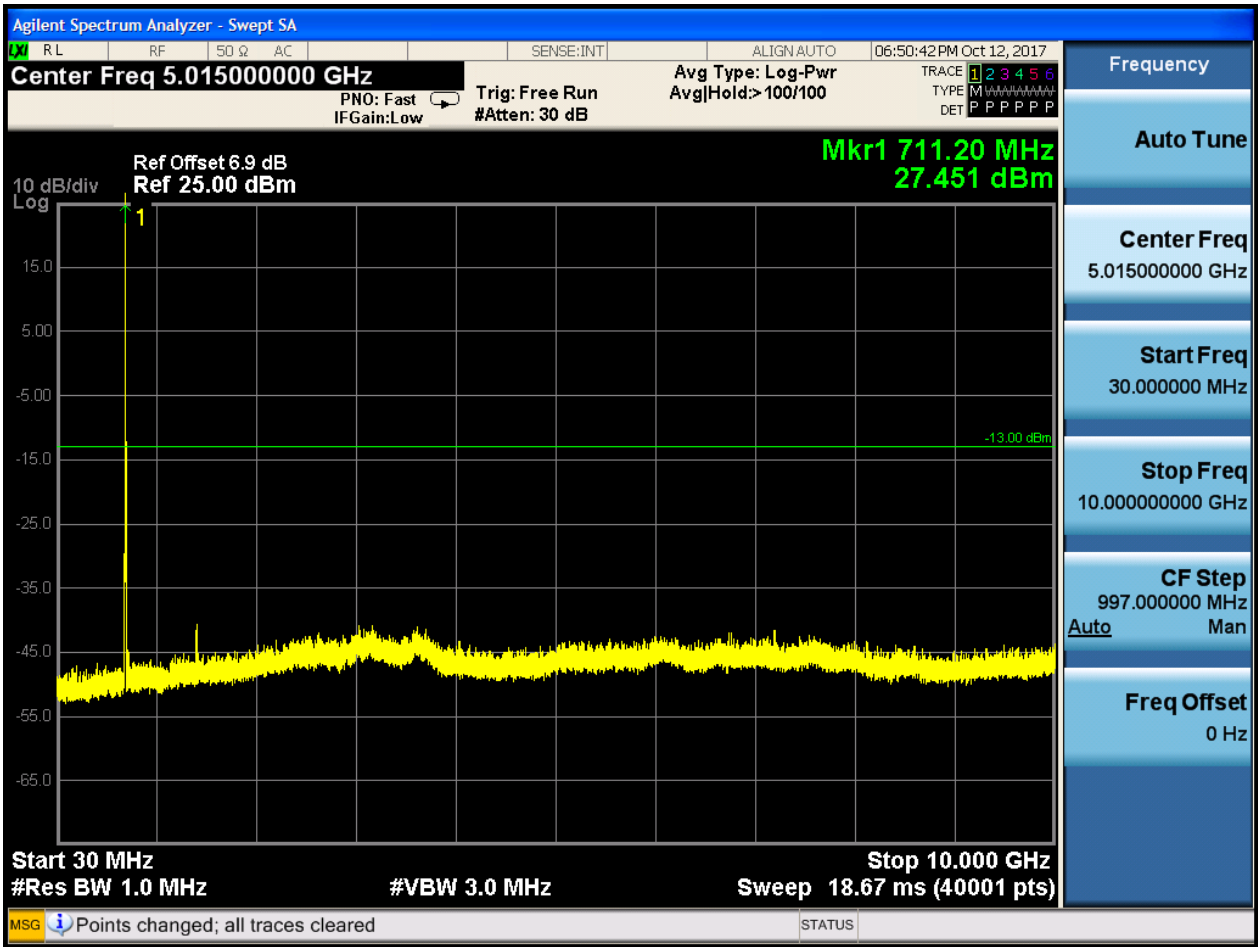


6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0







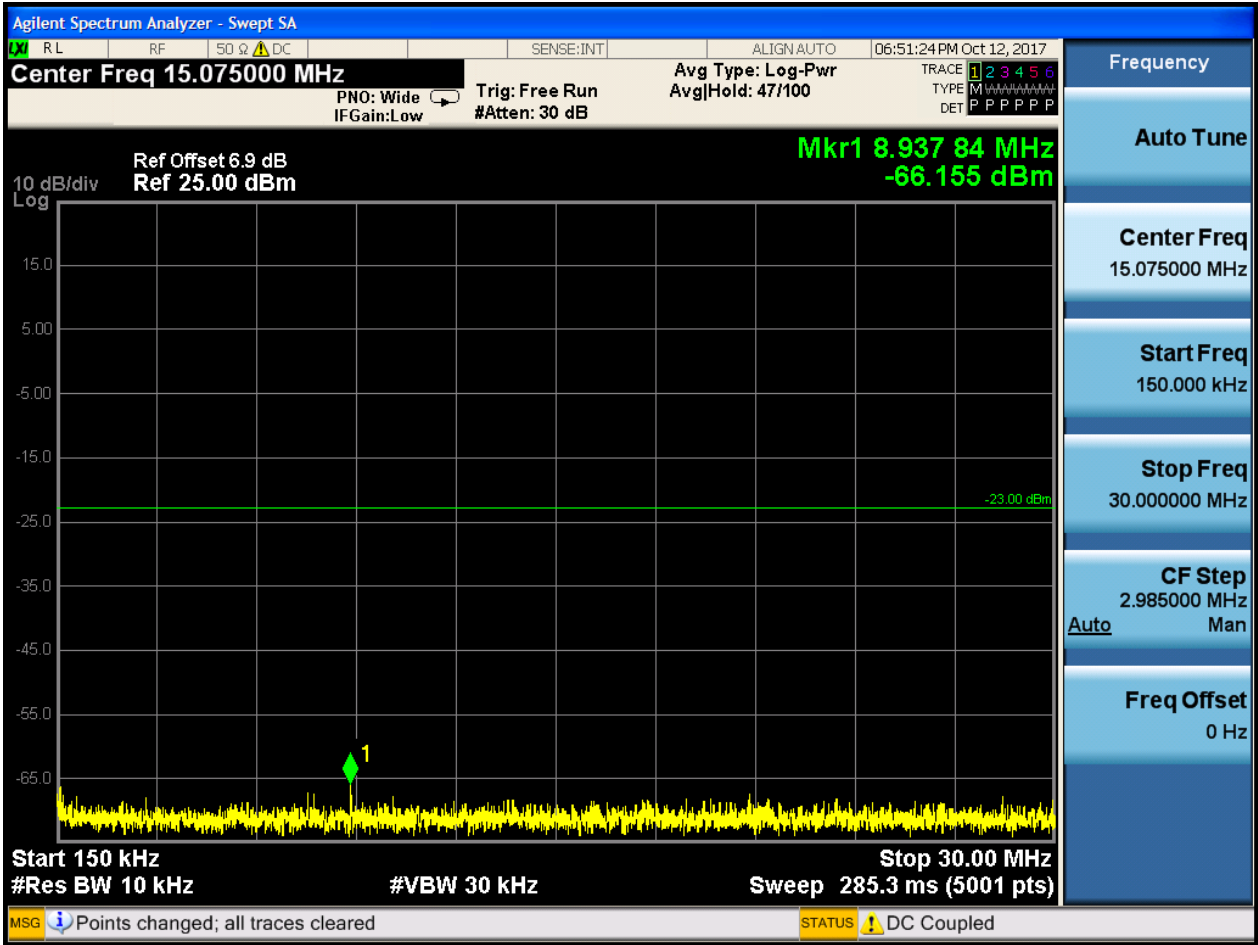


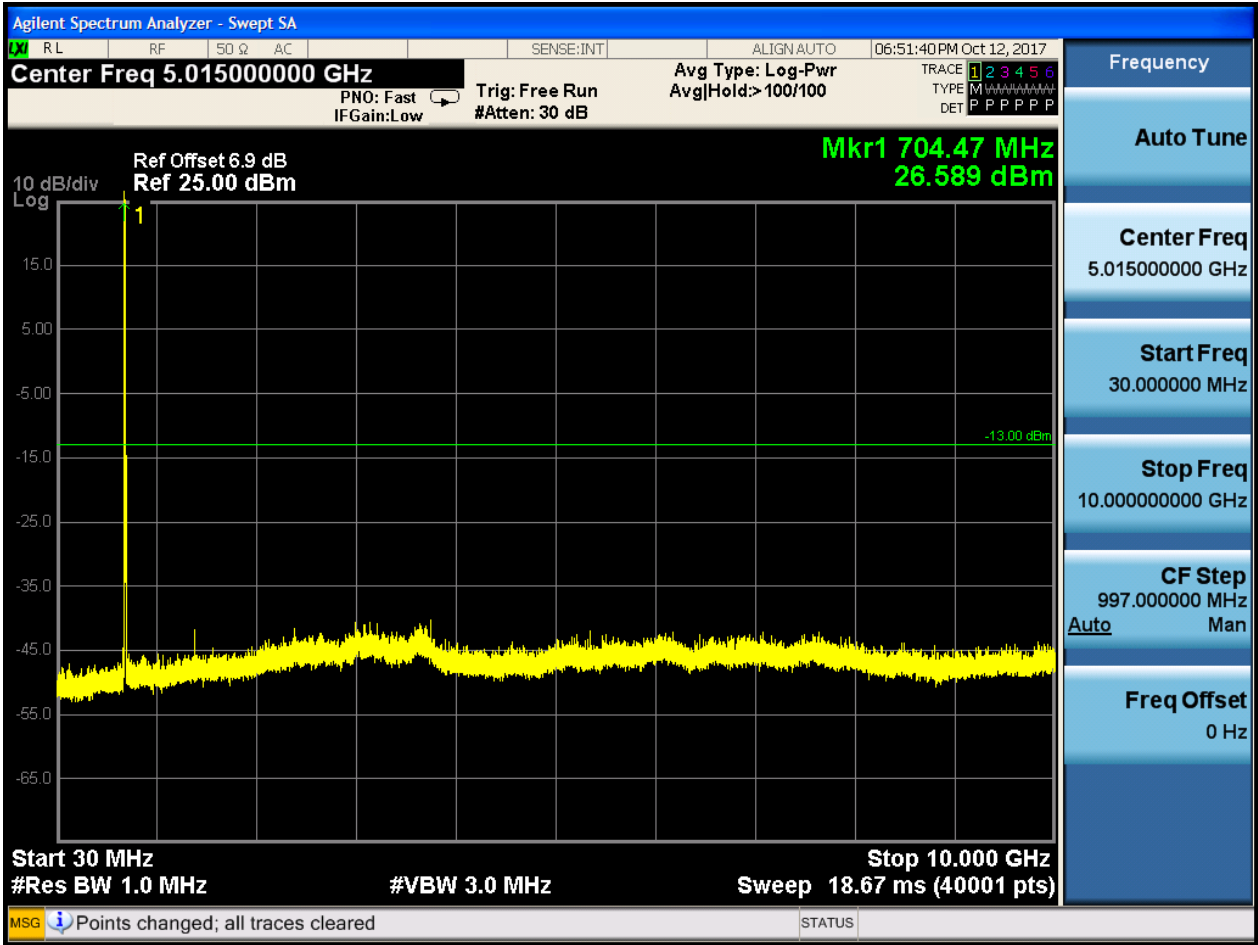
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



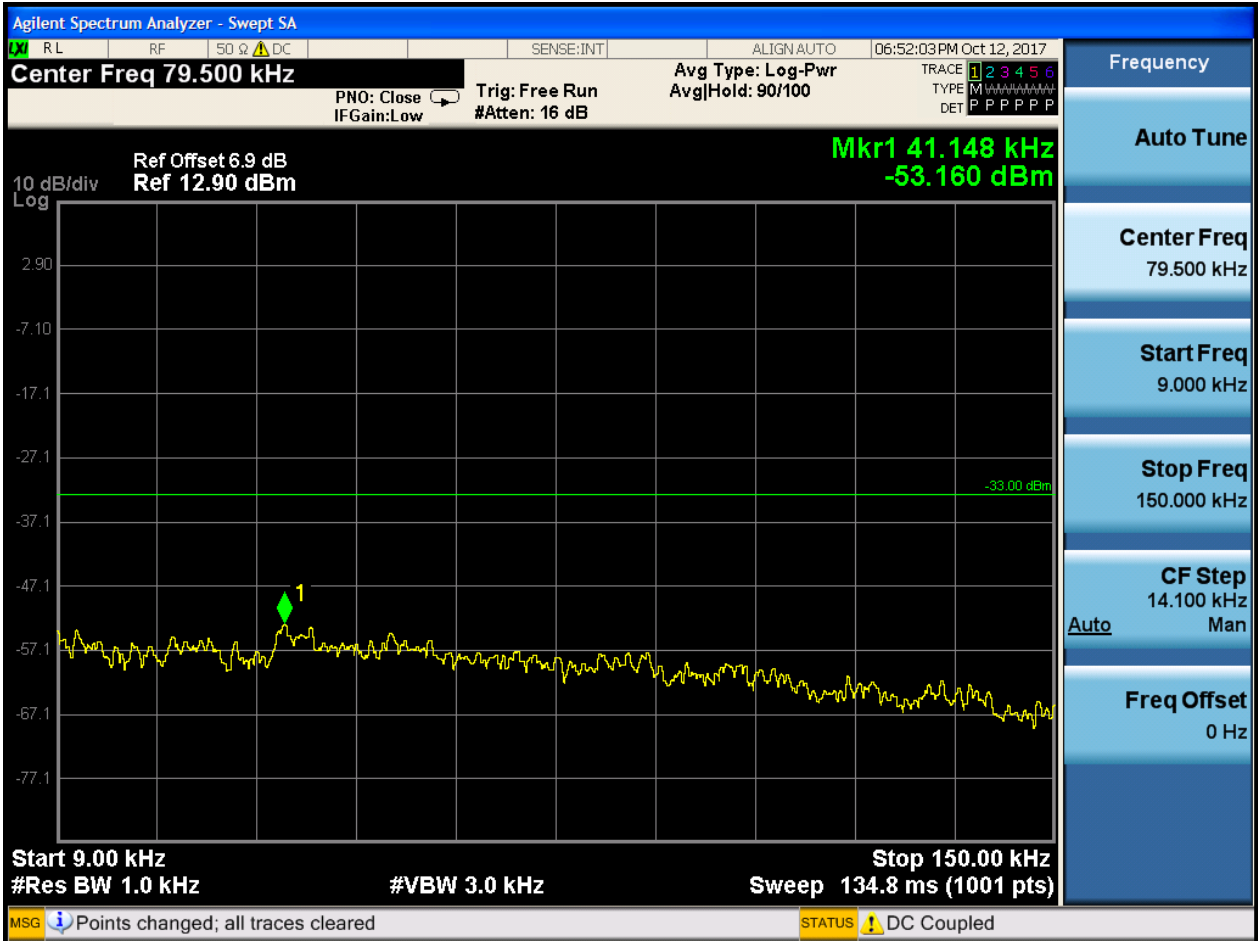




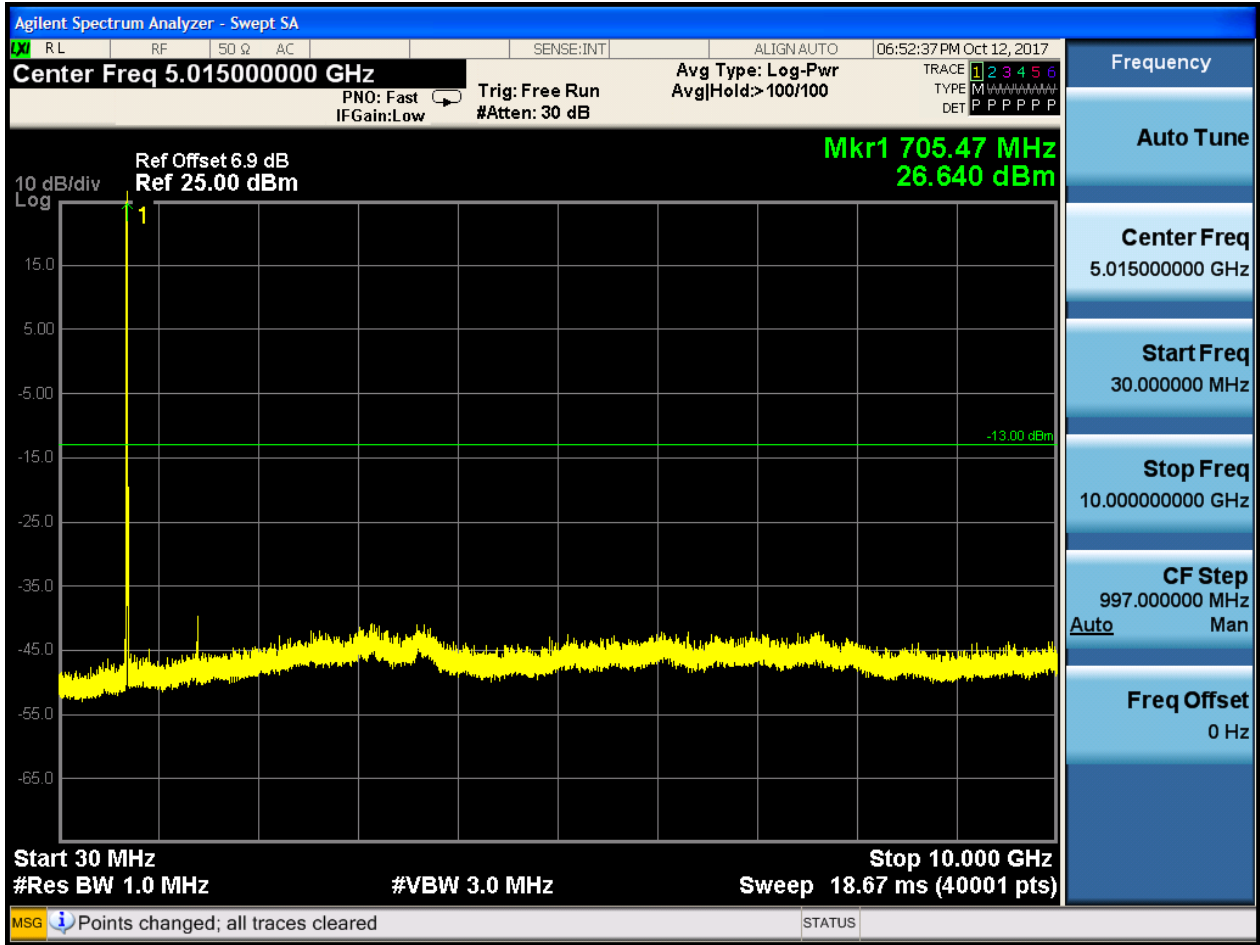


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0







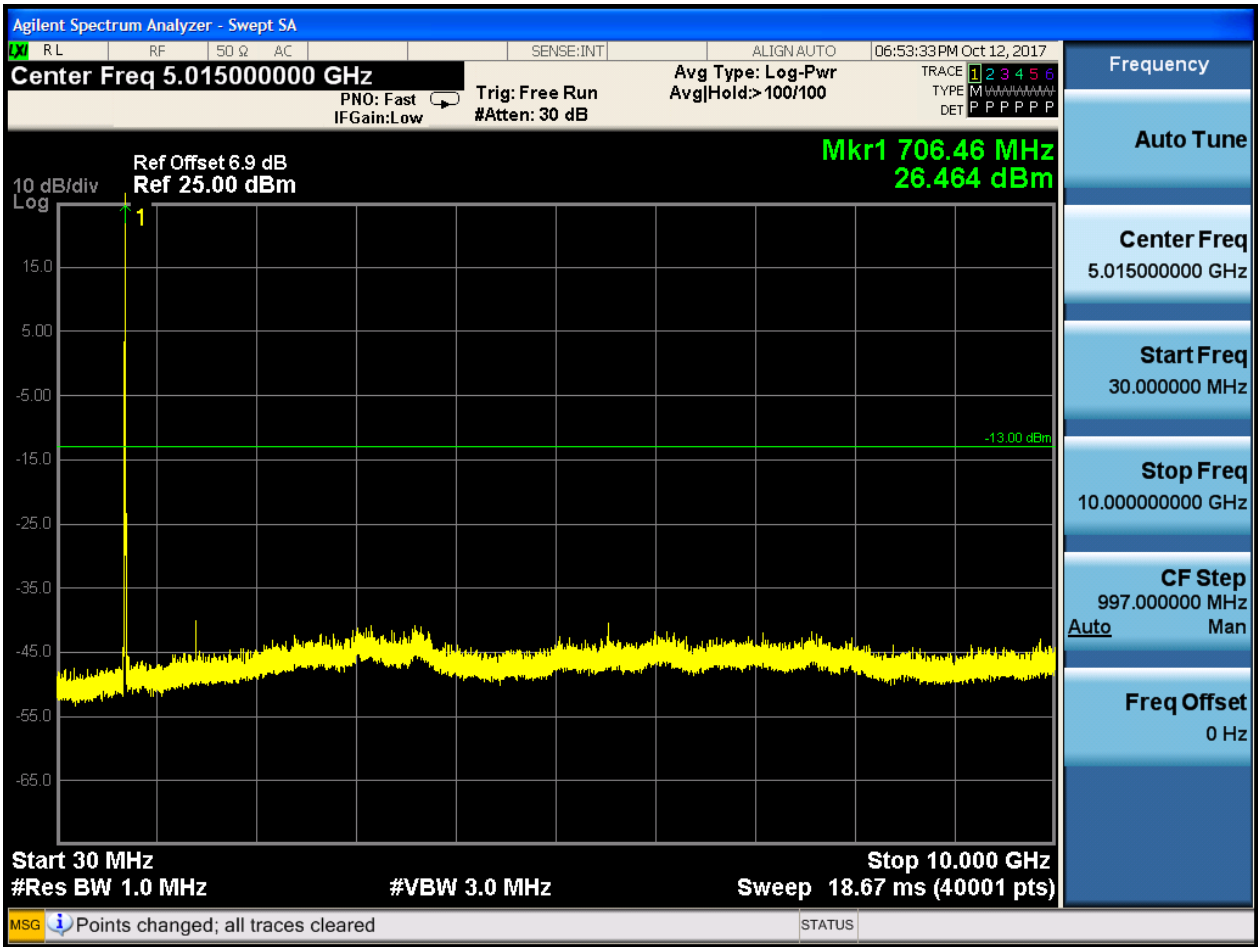


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







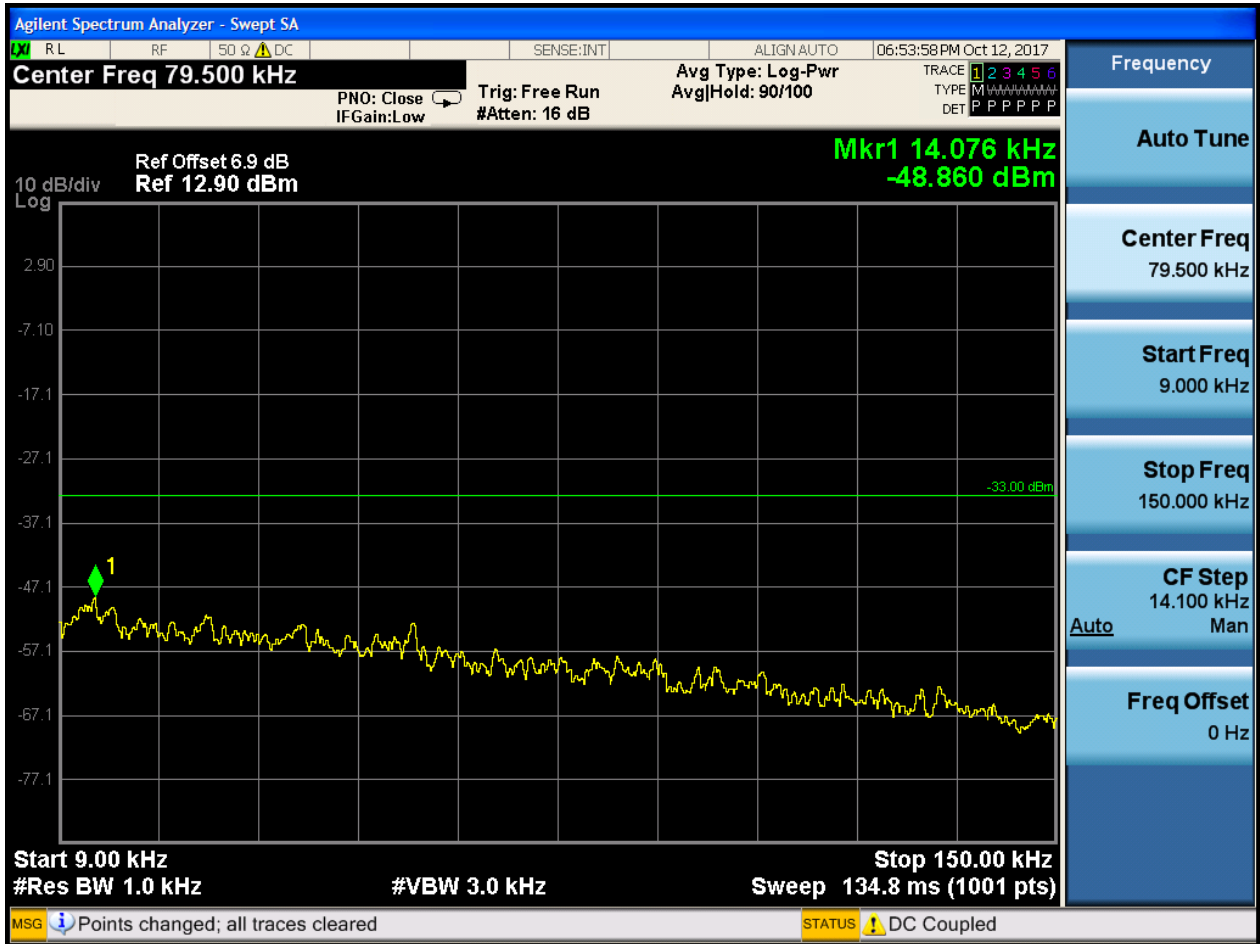


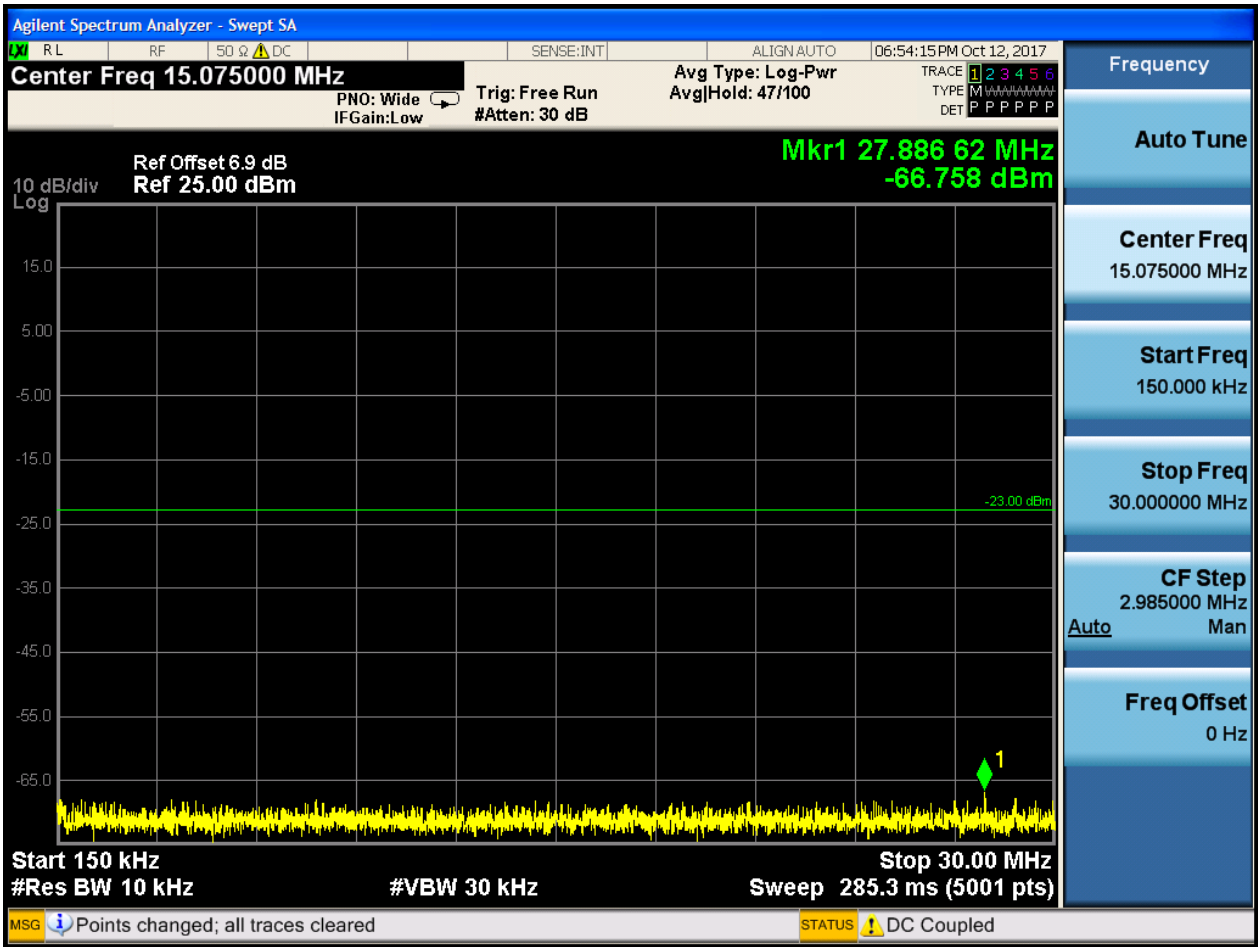
6.1.1.2 Test Mode = LTE/TM2

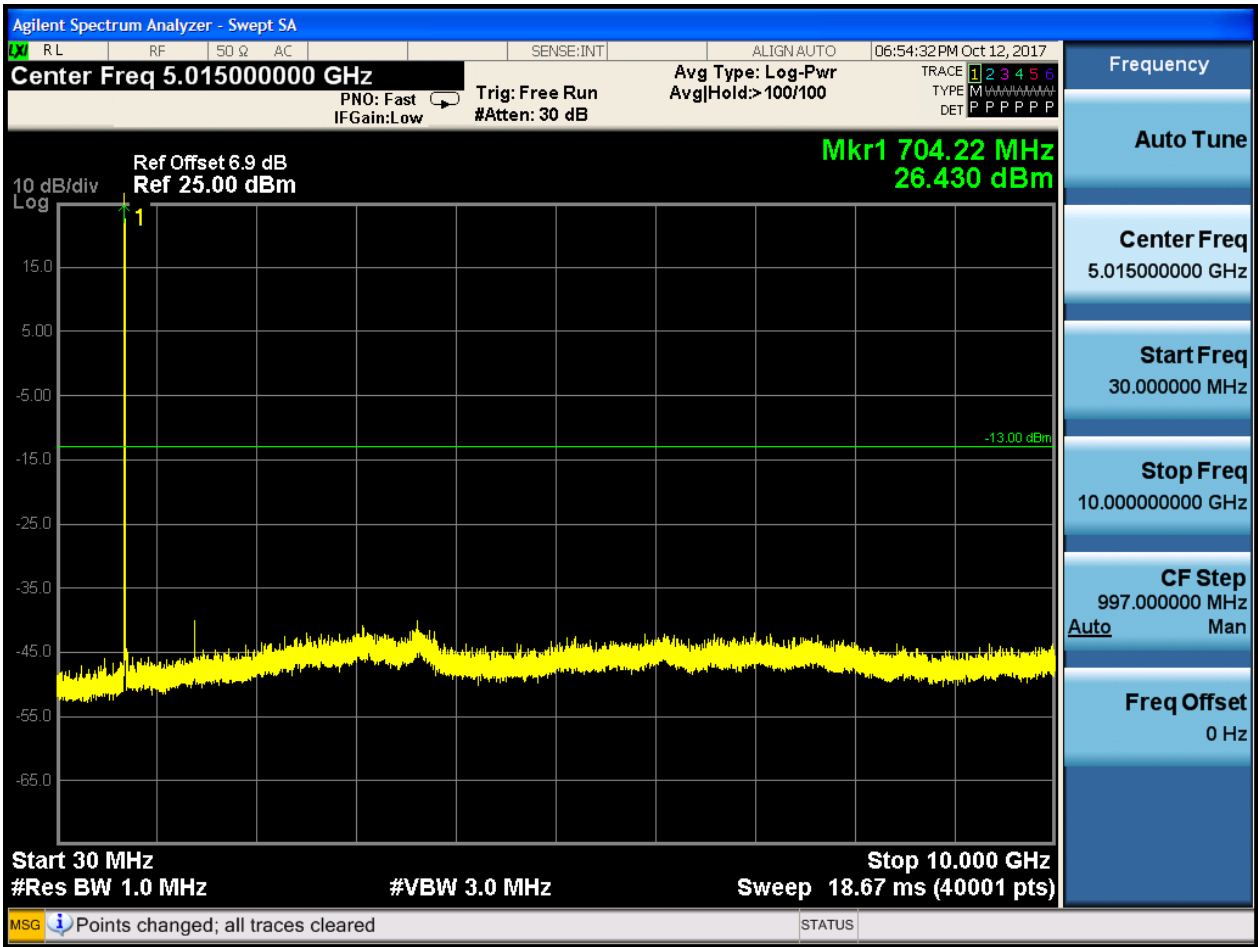
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





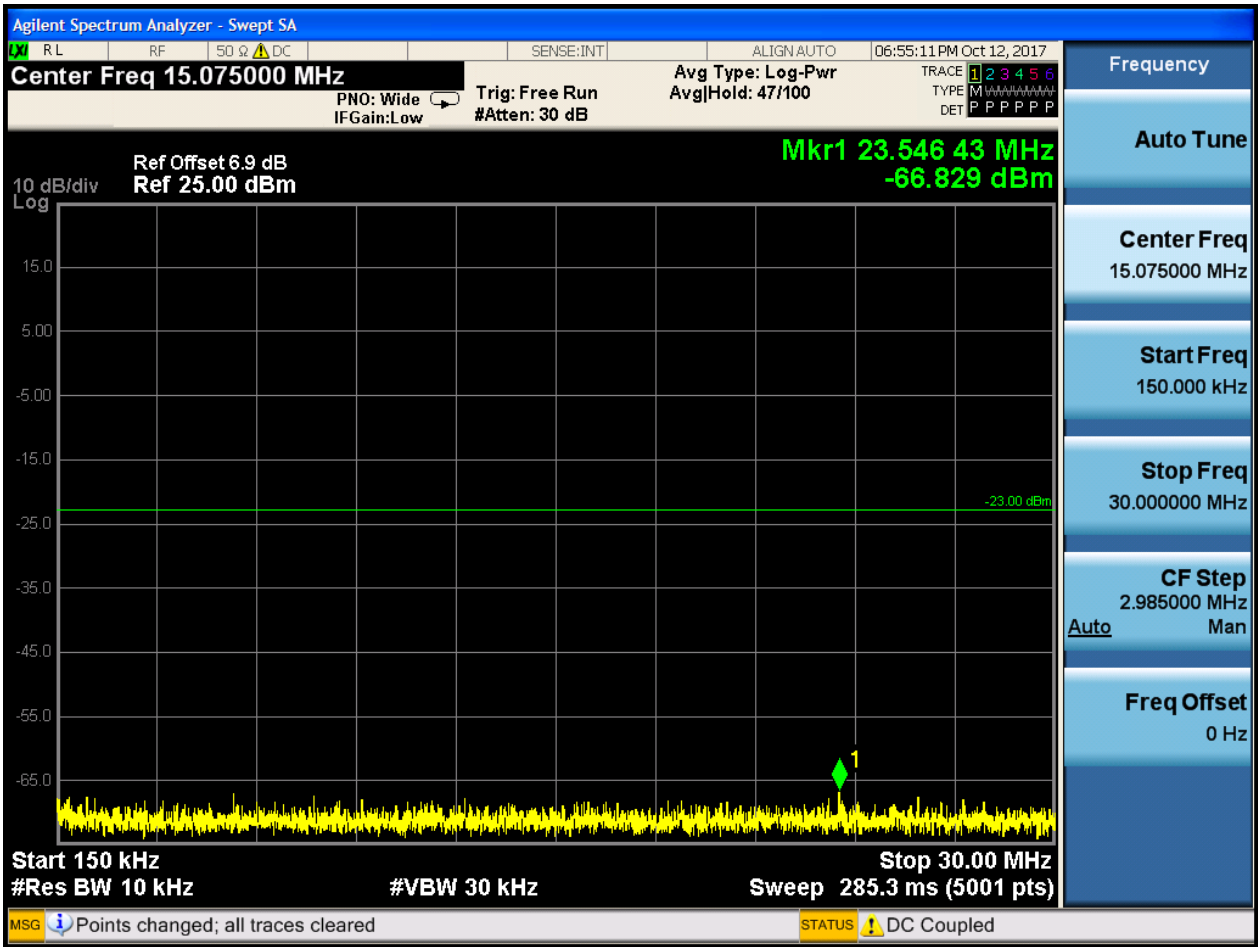


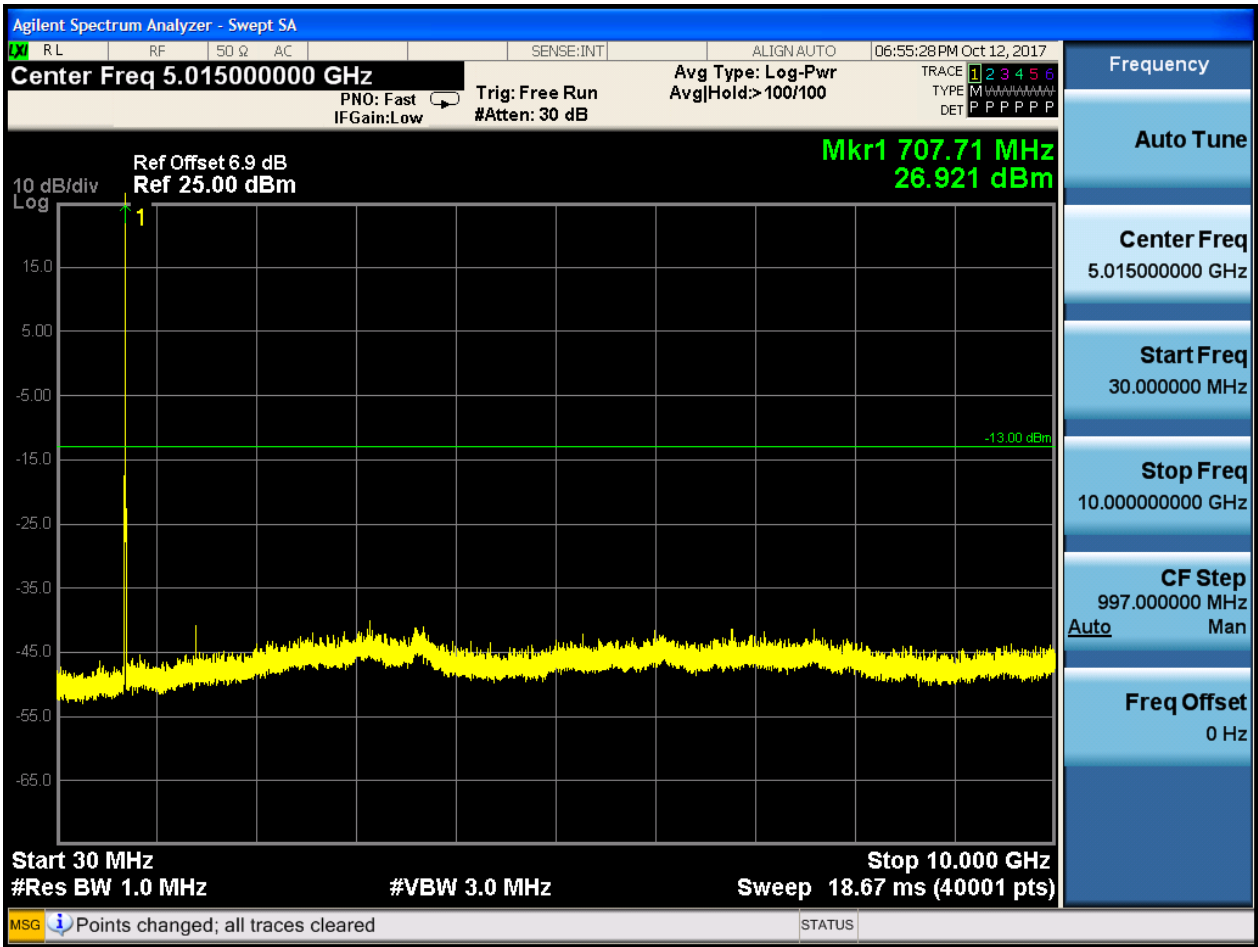


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



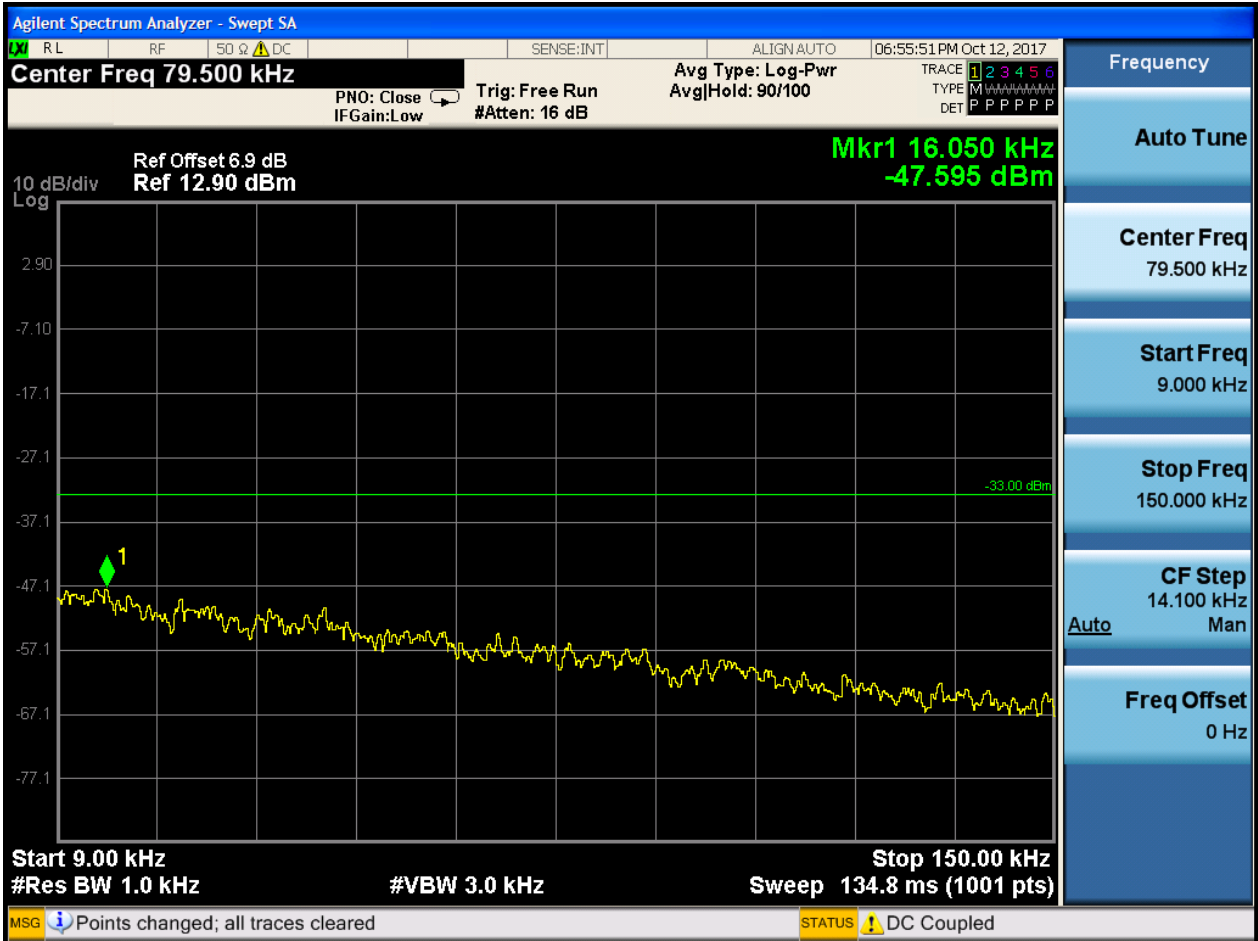


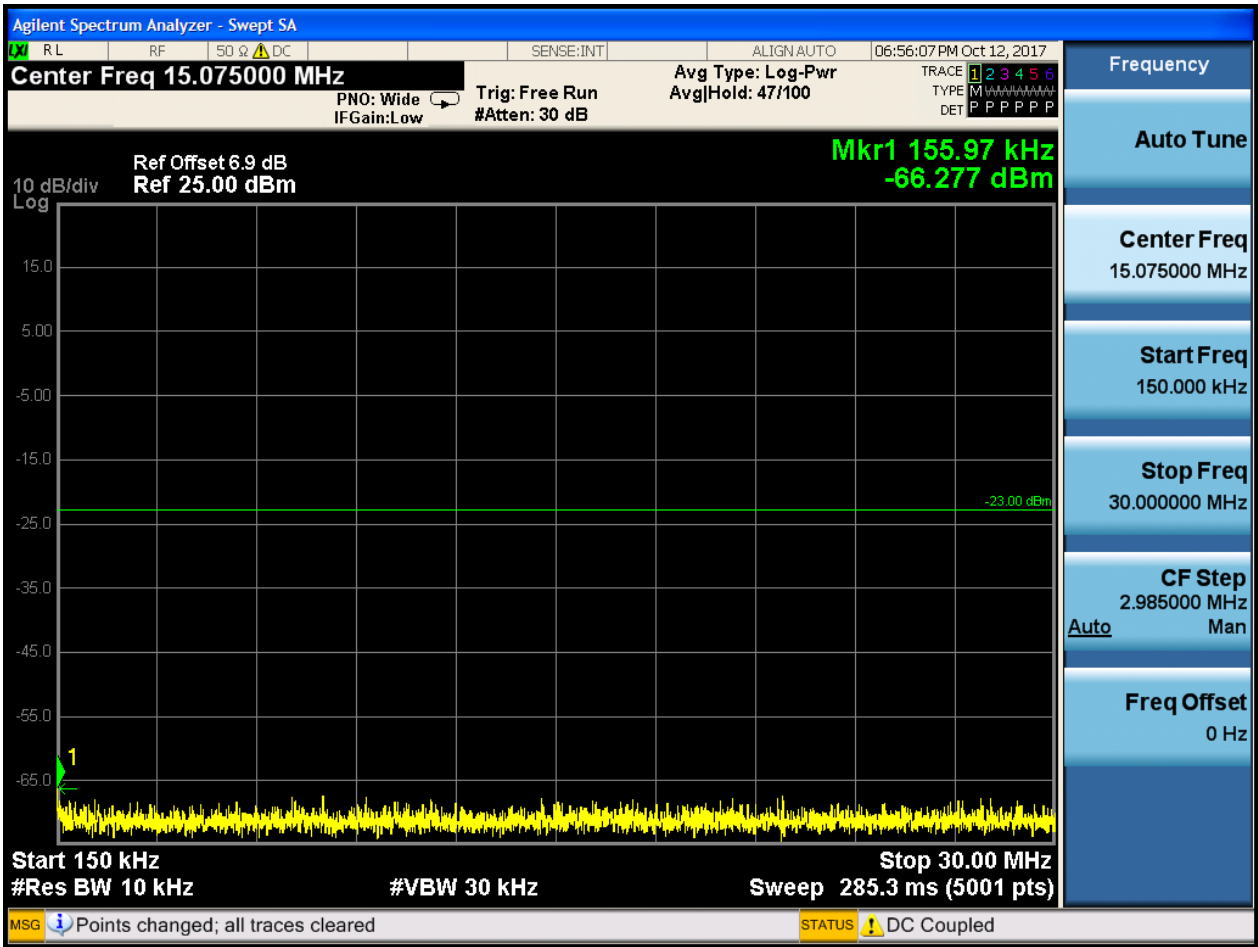


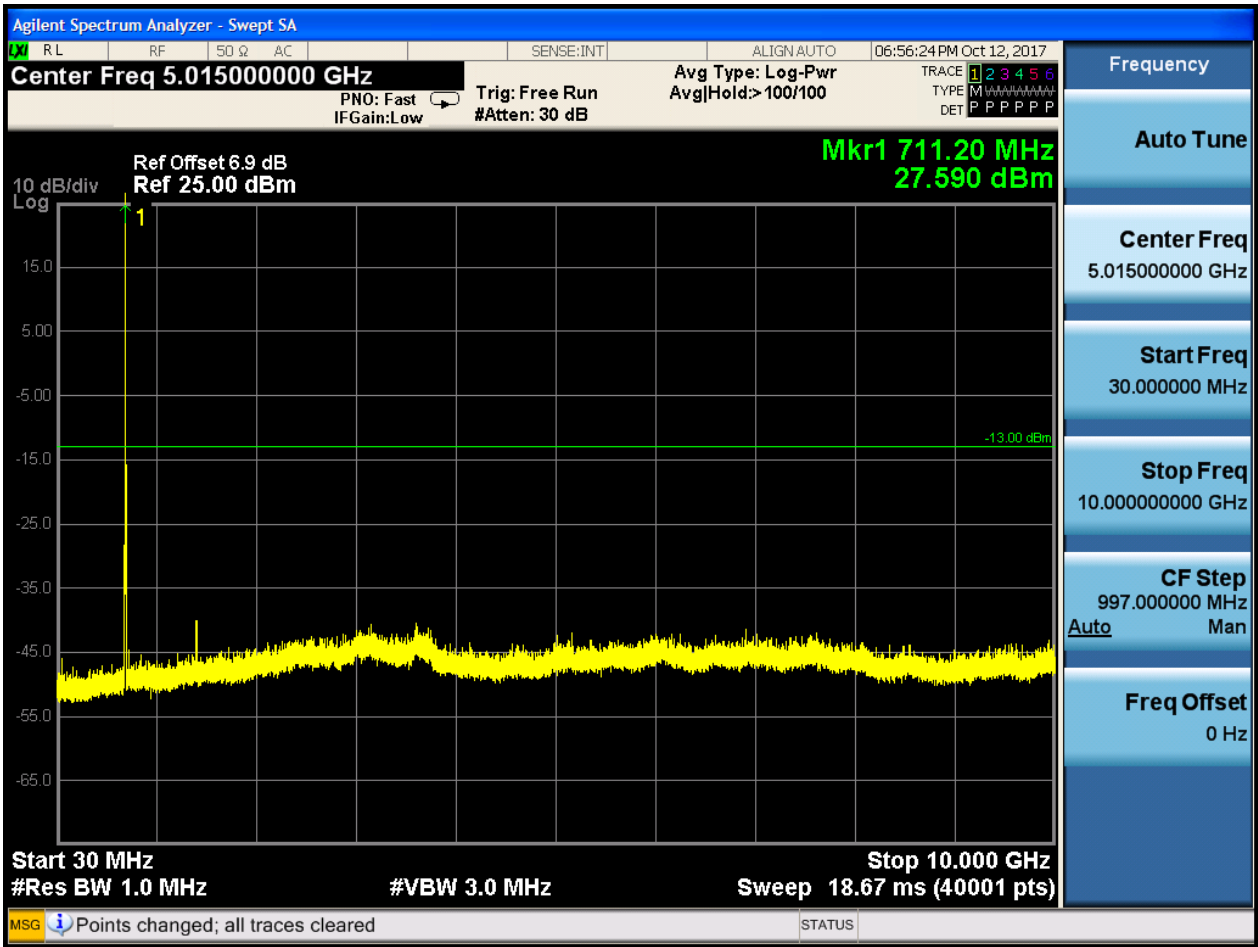


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







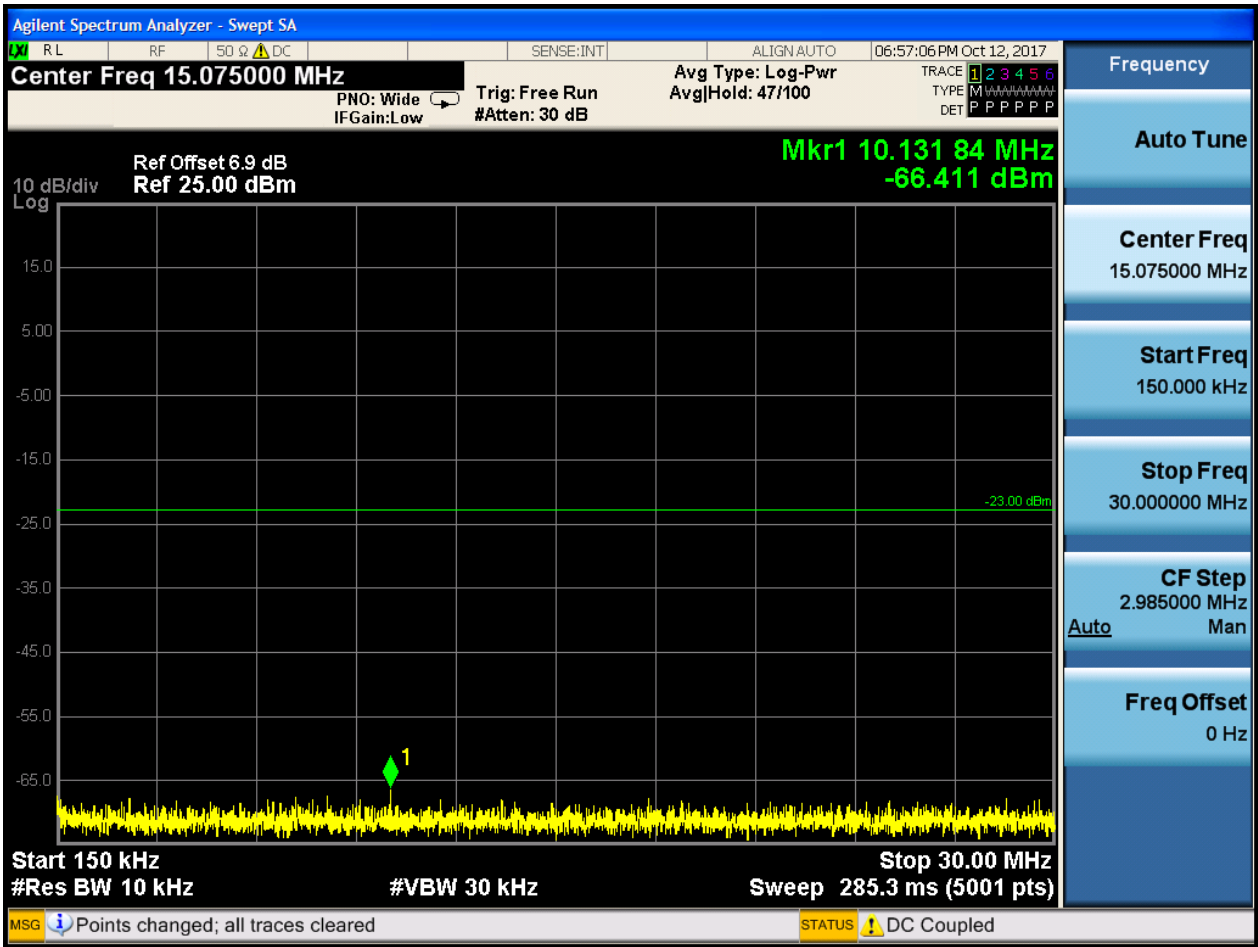


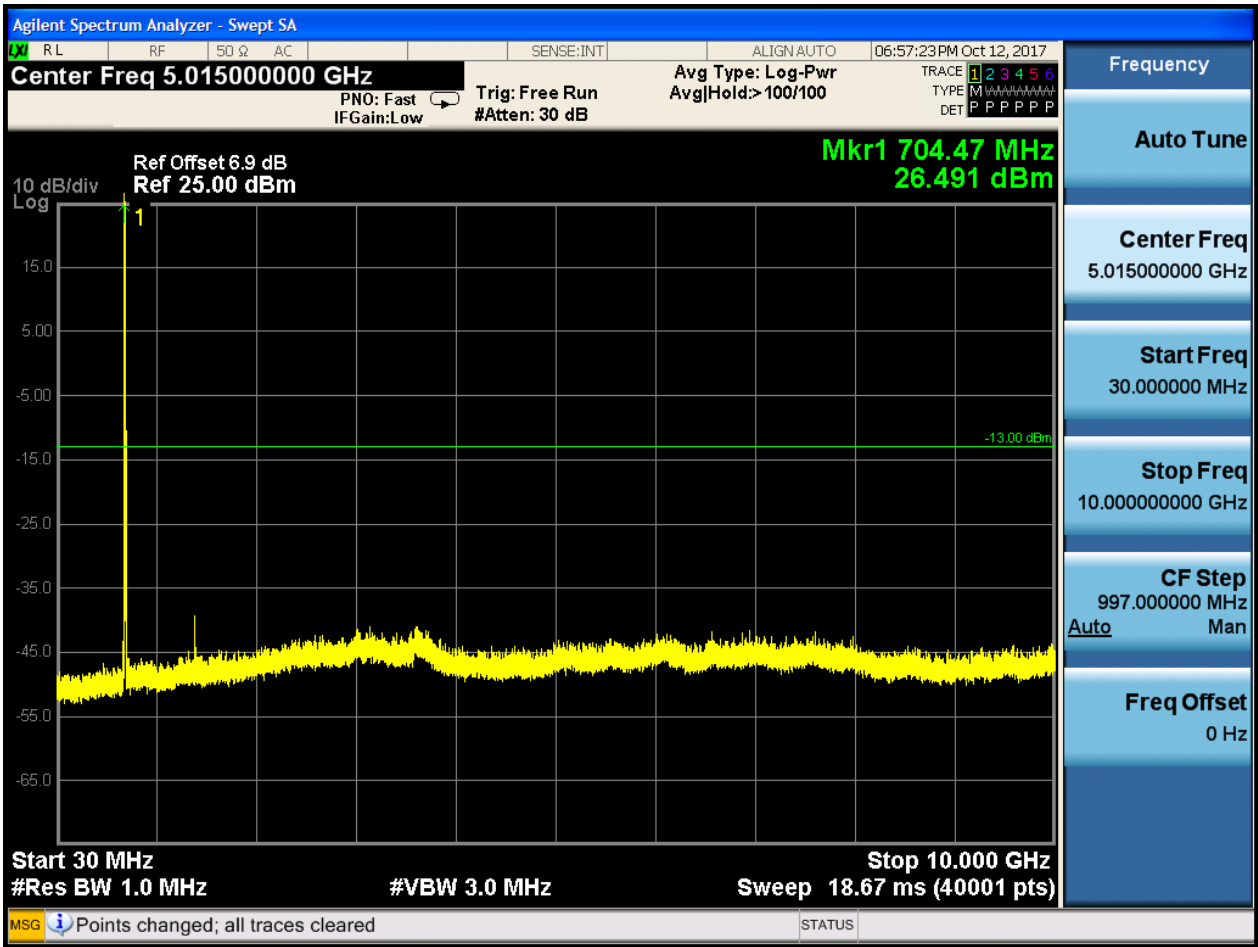
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





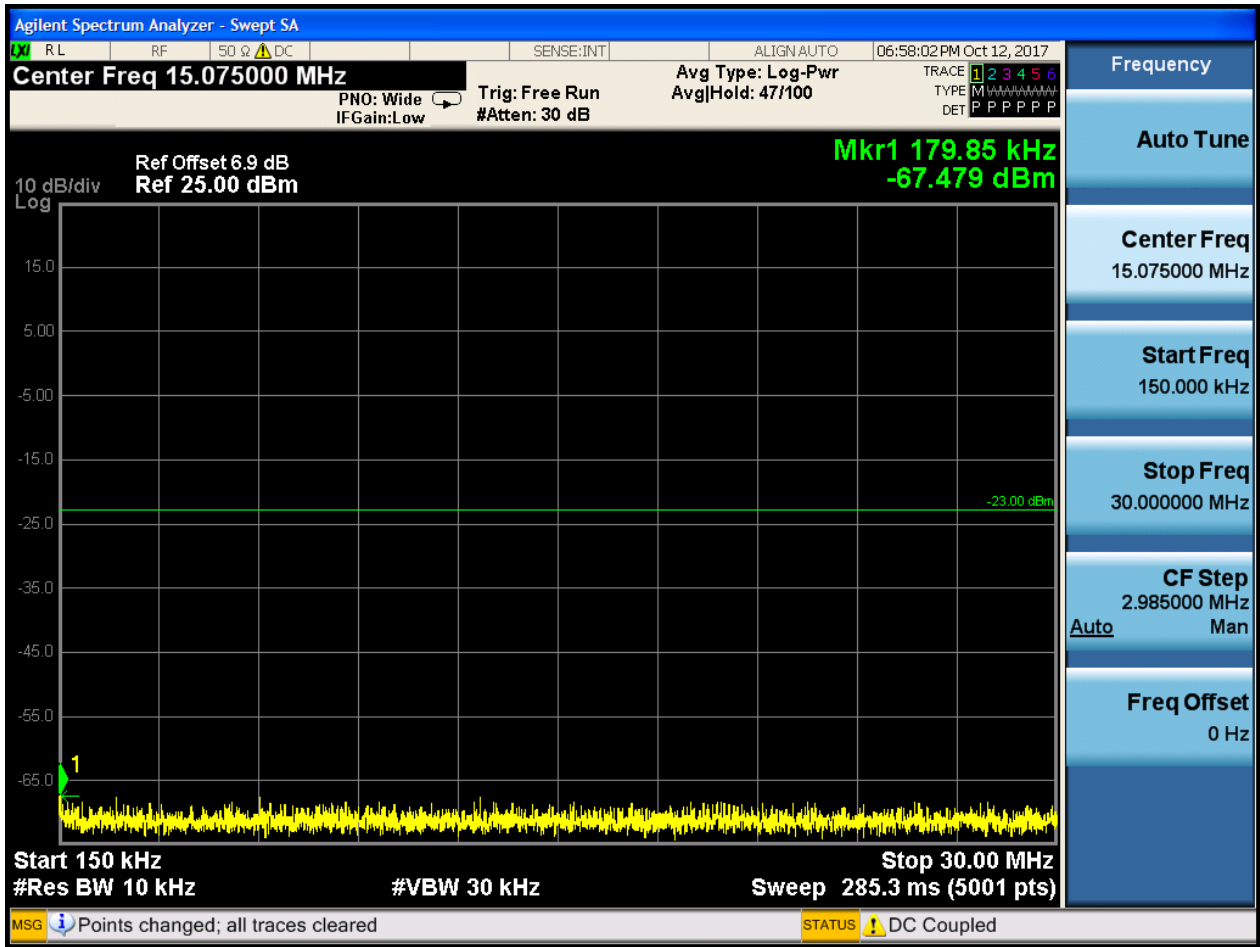


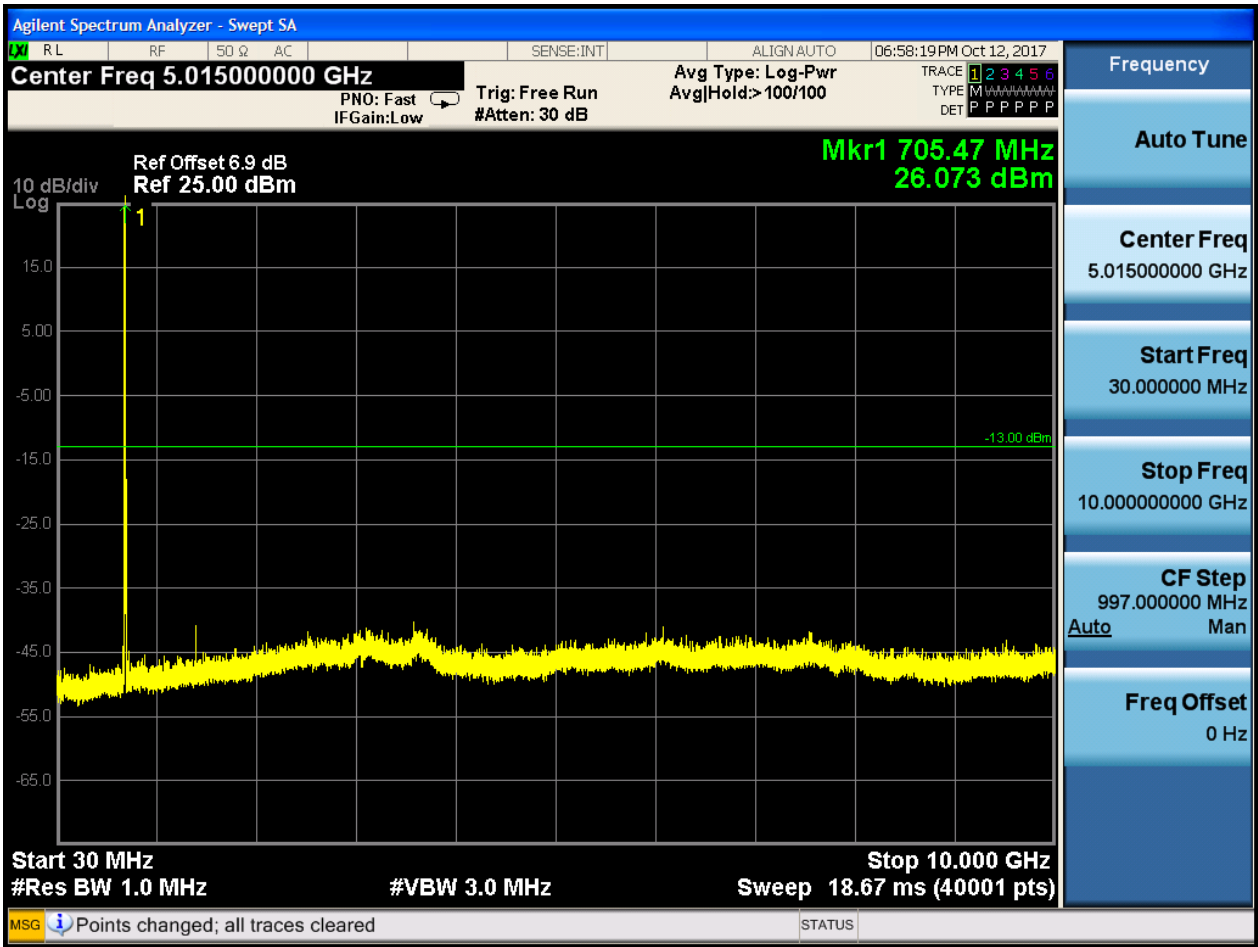


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



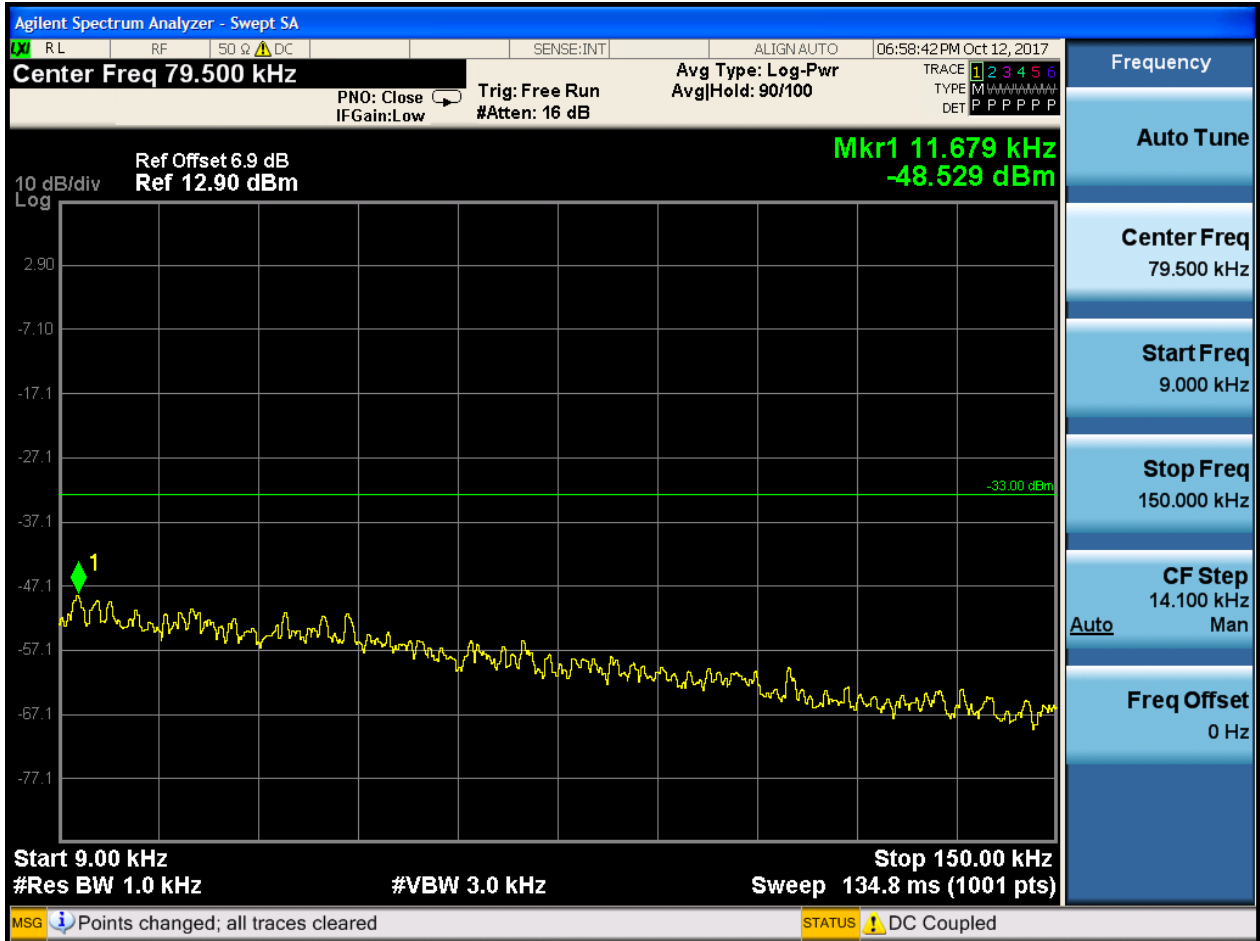


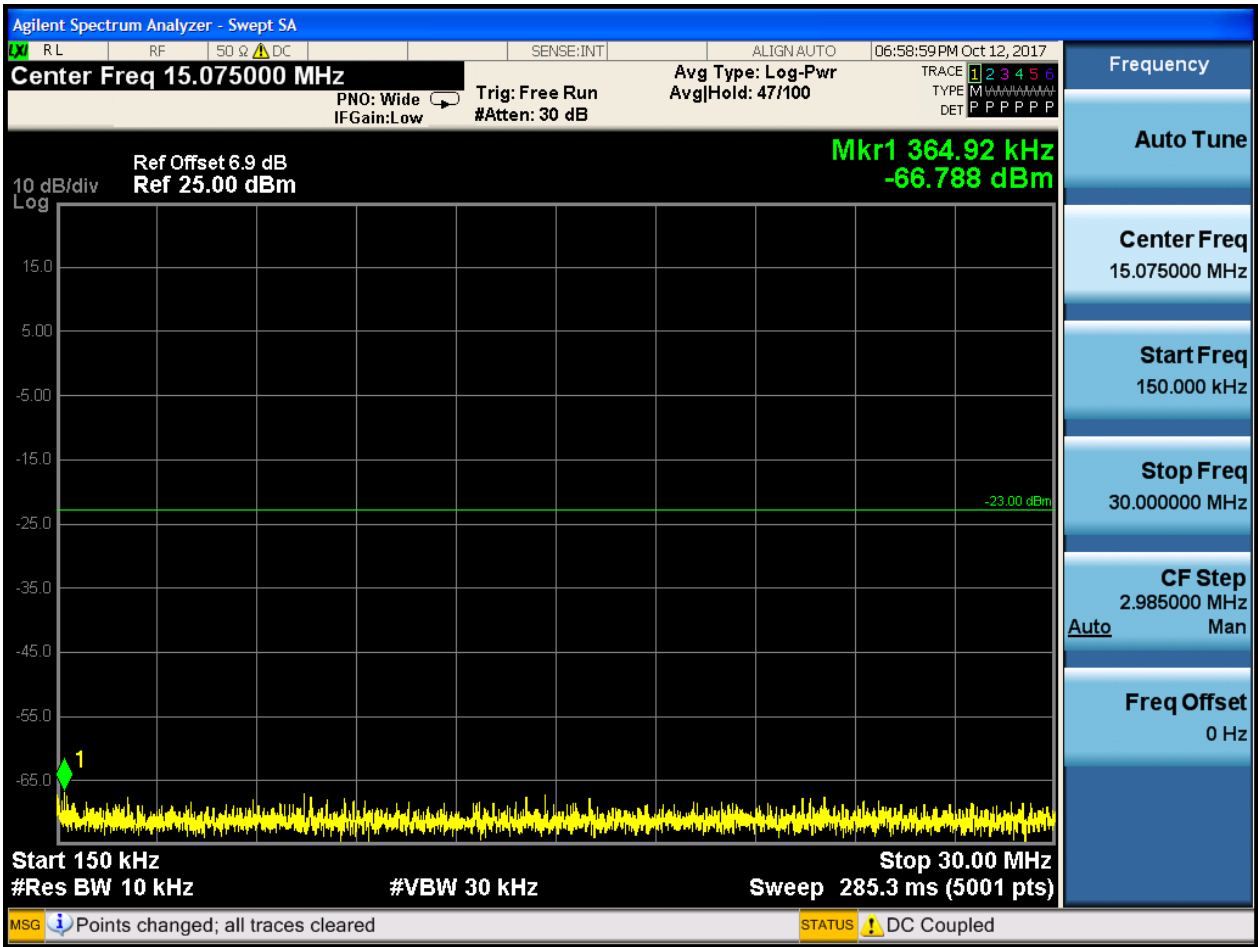


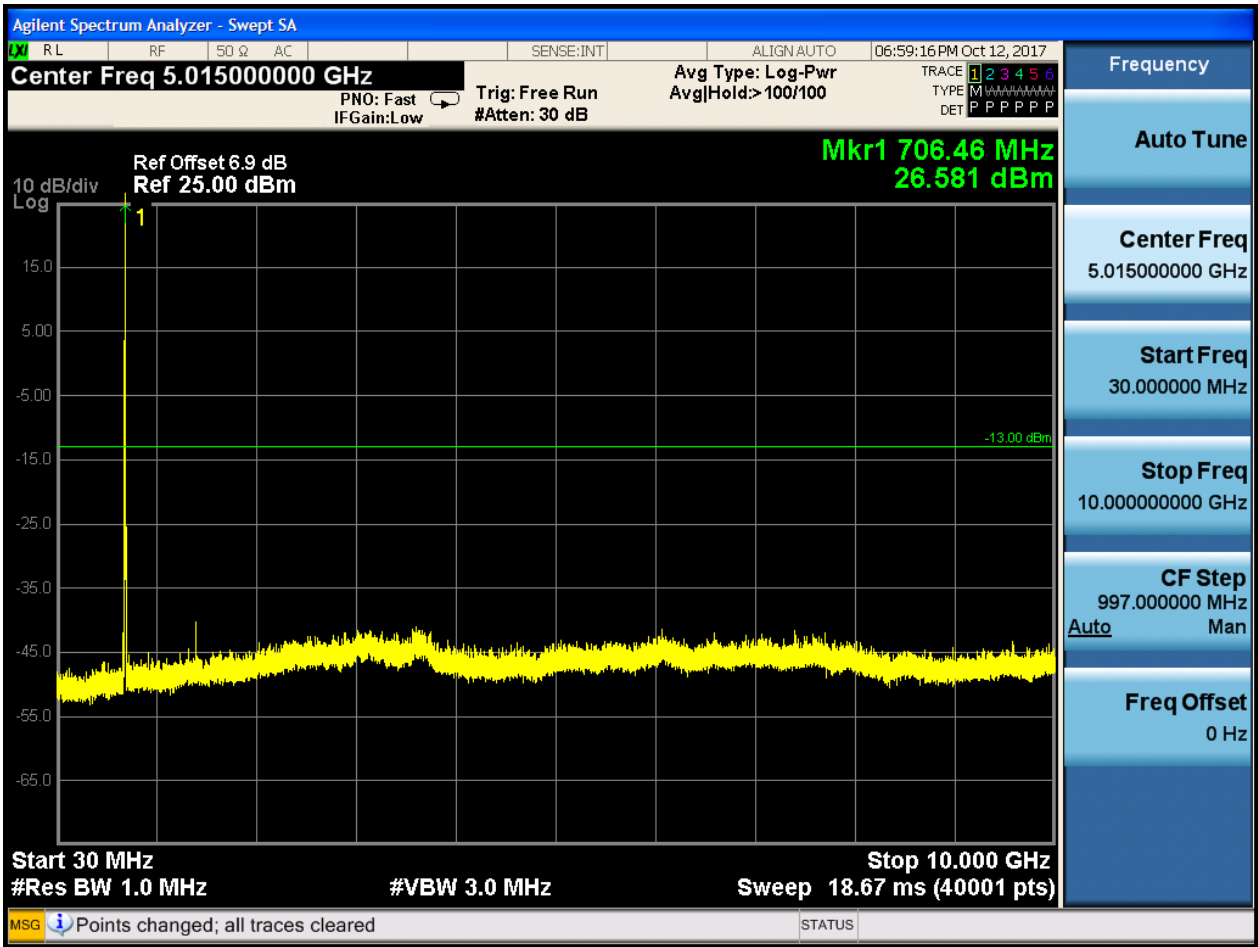


6.1.1.2.2.3 Test Channel = HCH

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

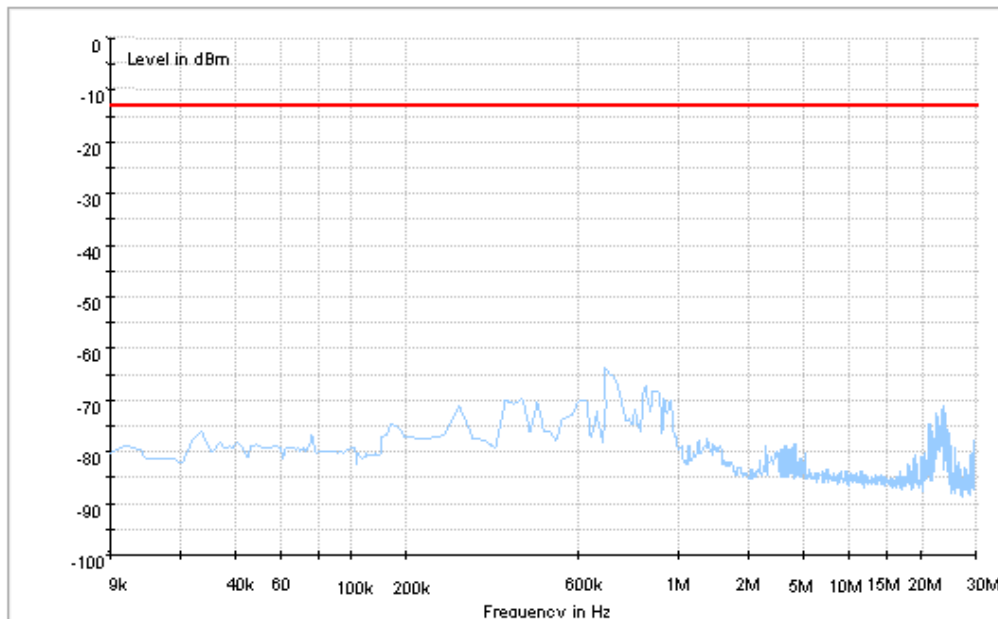
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

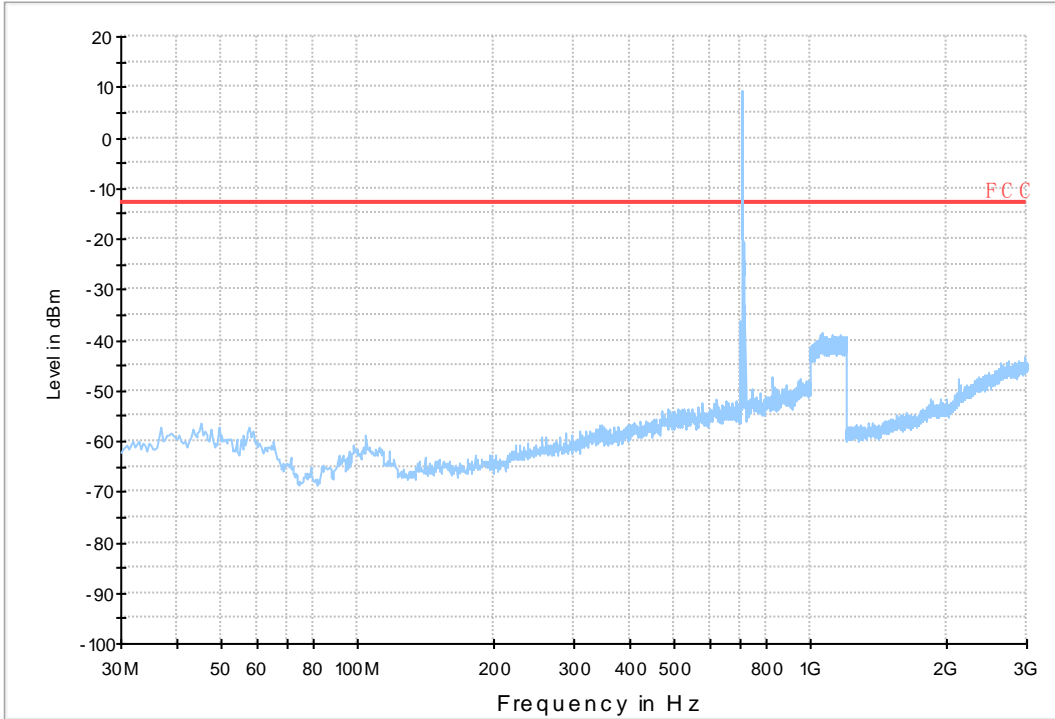
7.1 For LTE

7.1.1 Test Band = BAND17_ANT1

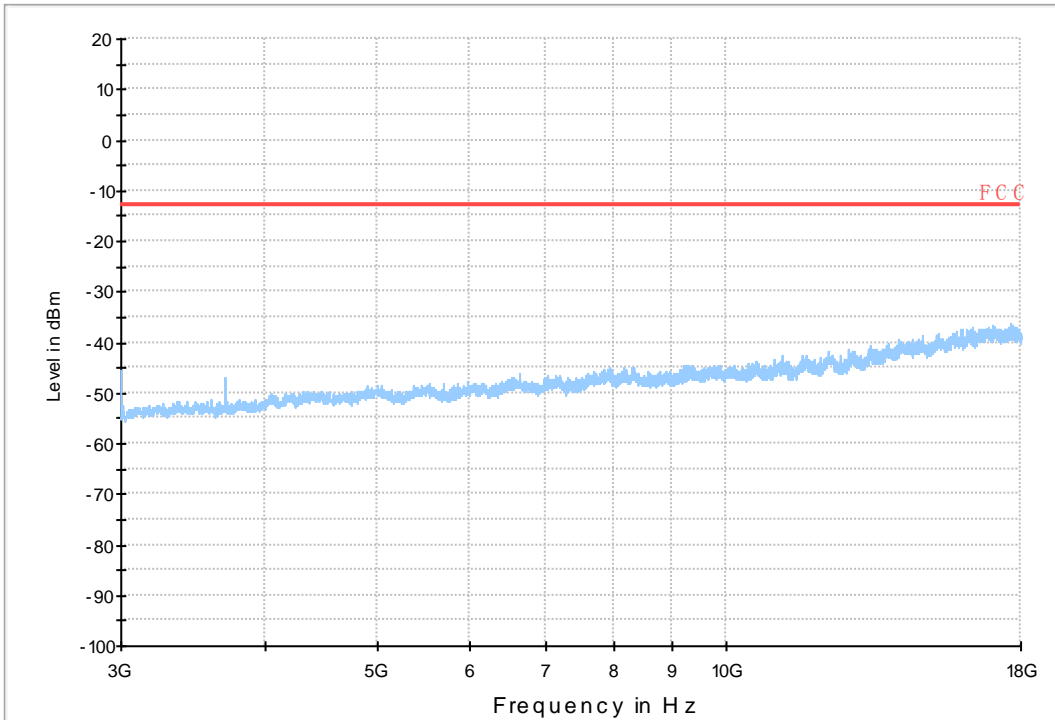
7.1.1.1 Test Bandwidth = 5



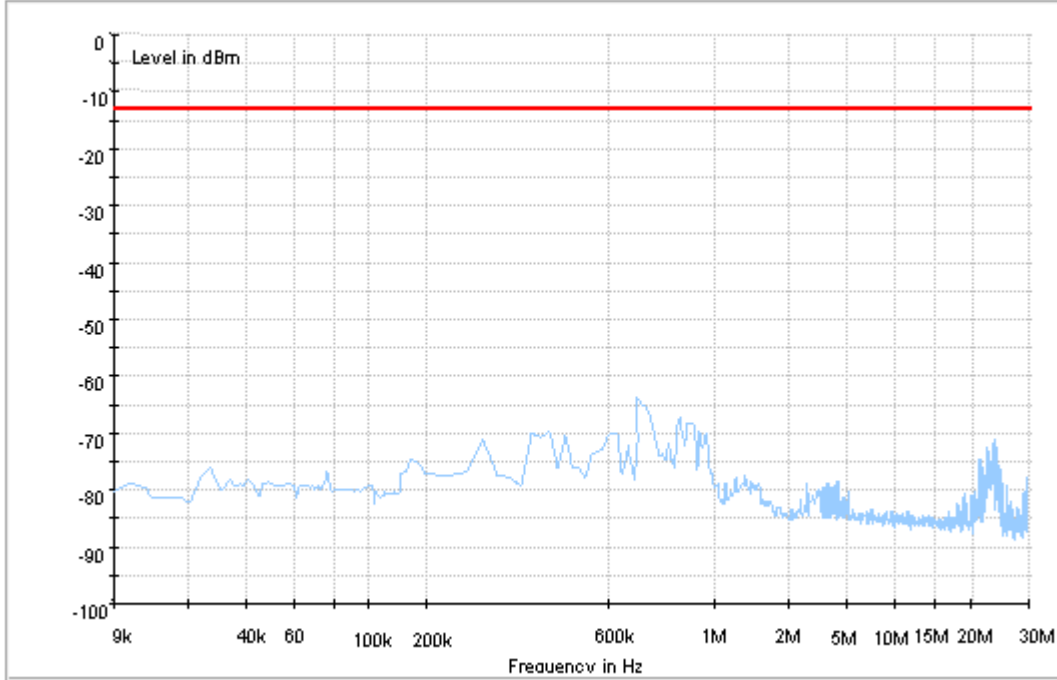
Copy of RSE-TX-DIRECTOR BELOW 1G_L



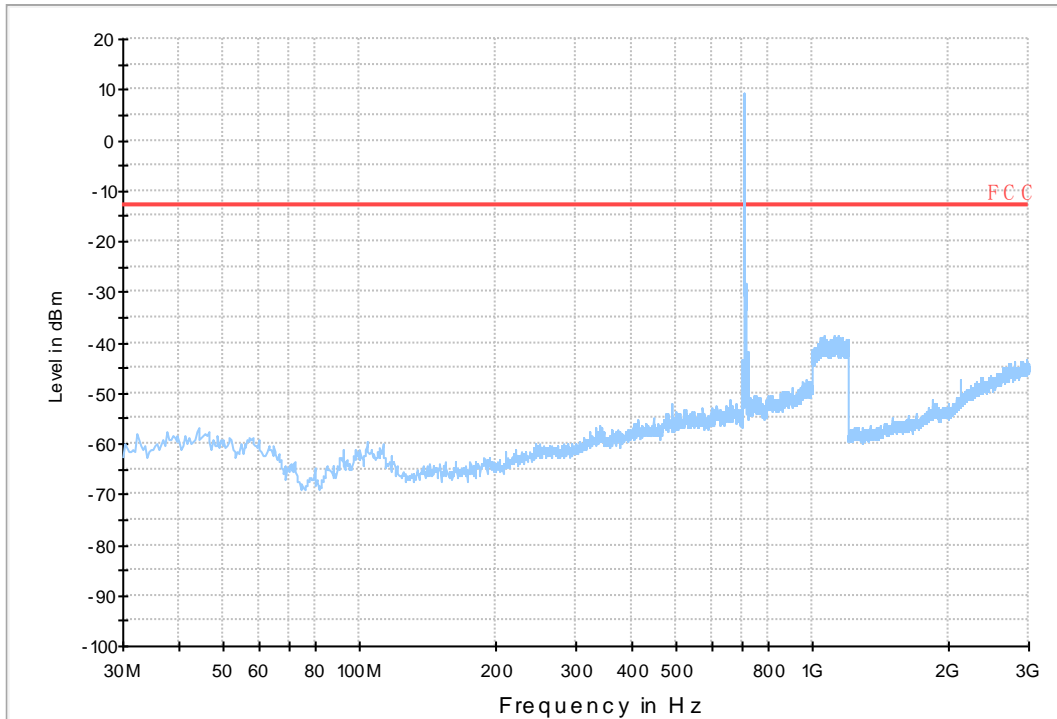
Copy of RSE-TX-DIRECTOR BELOW 1G_H



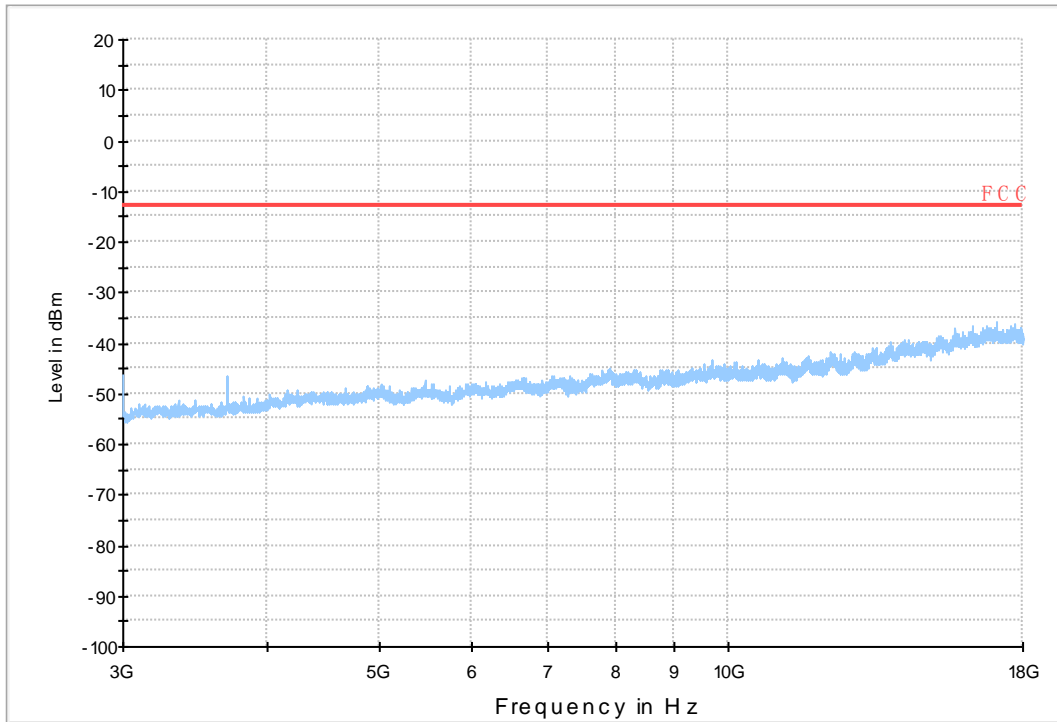
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

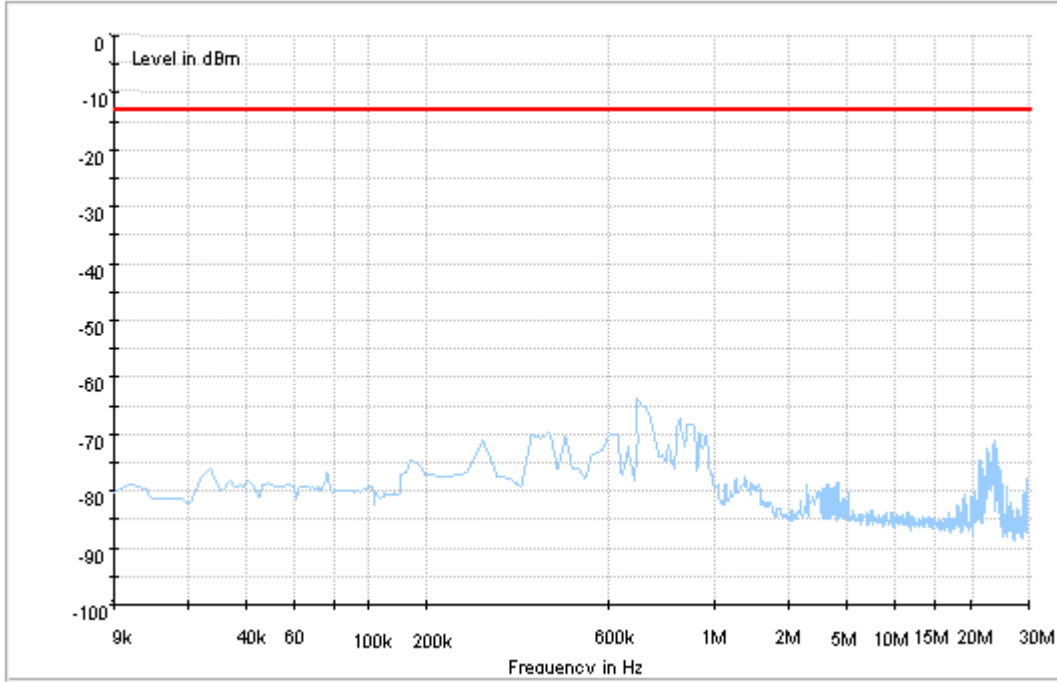


Copy of RSE-TX-DIRECTOR BELOW 1G_H

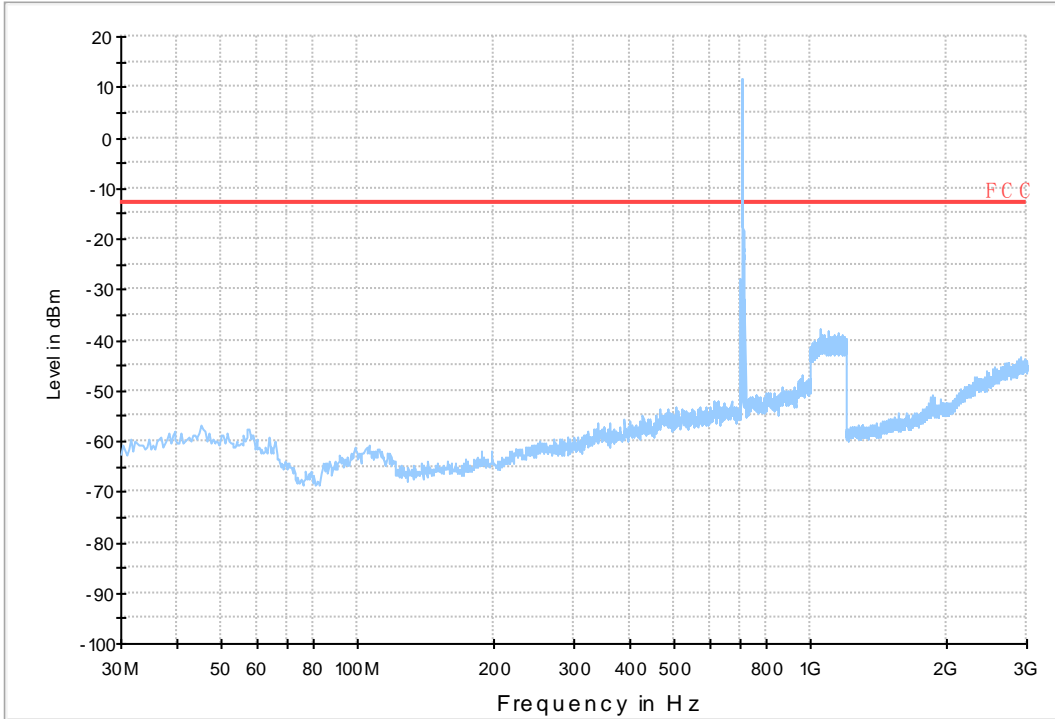


7.2.1 Test Band = BAND17_ANT2

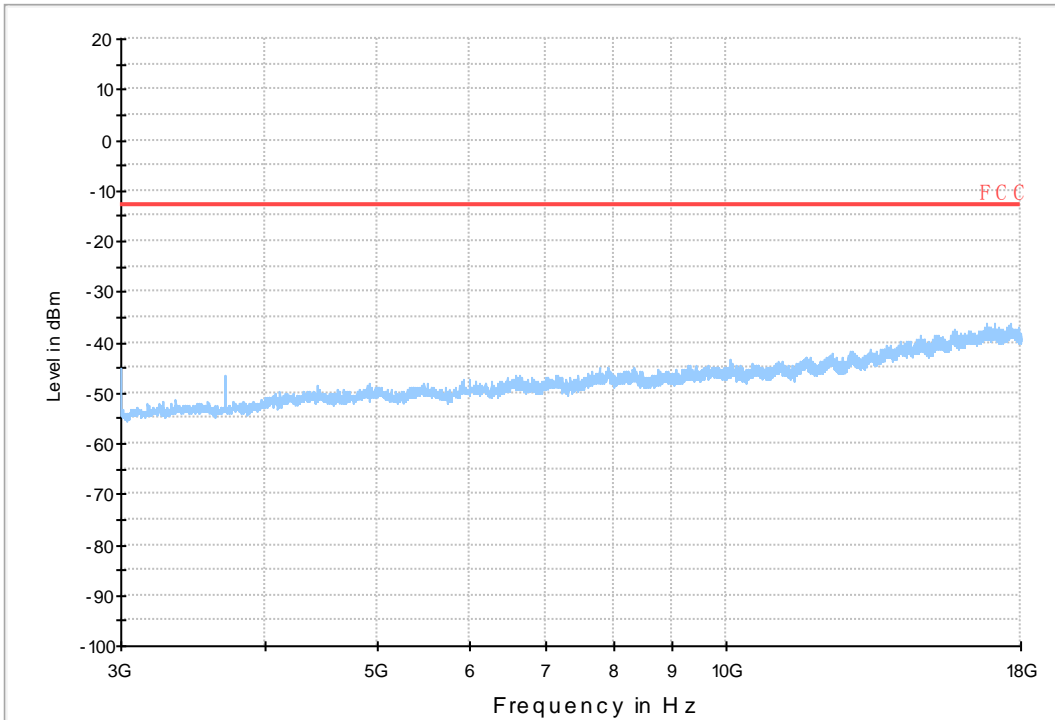
7.2.1.1 Test Bandwidth = 5



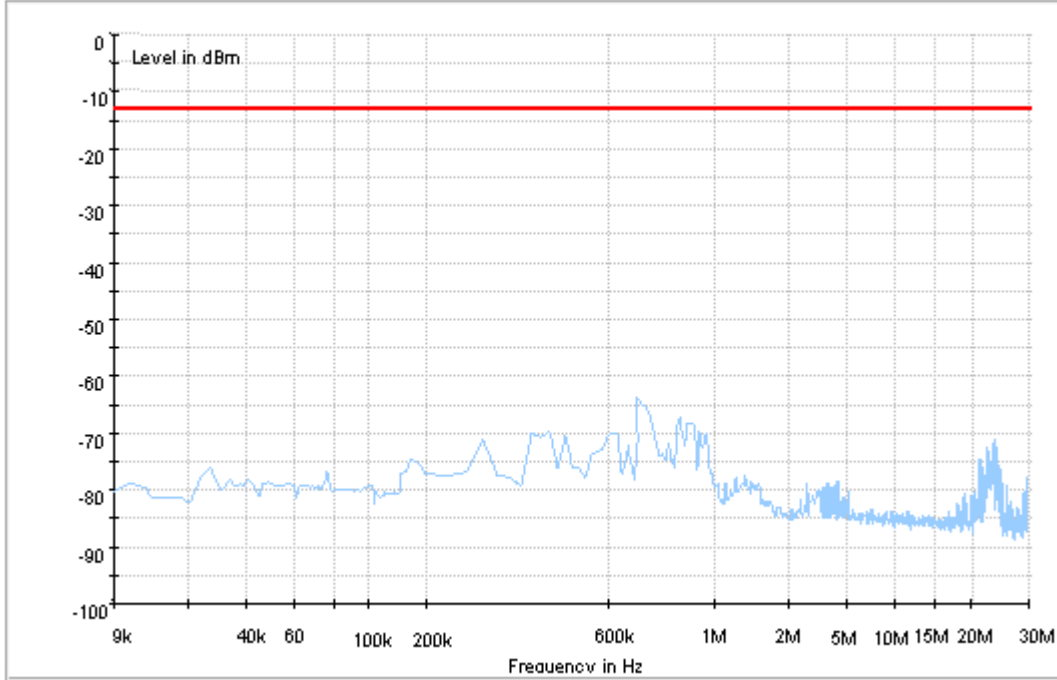
Copy of RSE-TX-DIRECTOR BELOW 1G_L



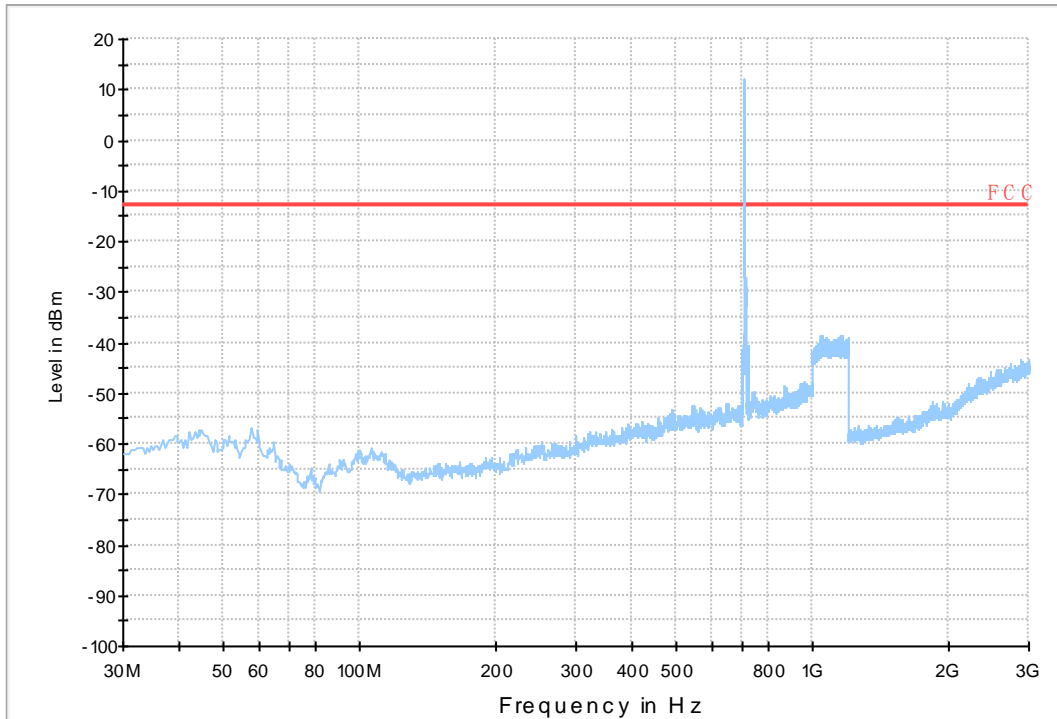
Copy of RSE-TX-DIRECTOR BELOW 1G_H



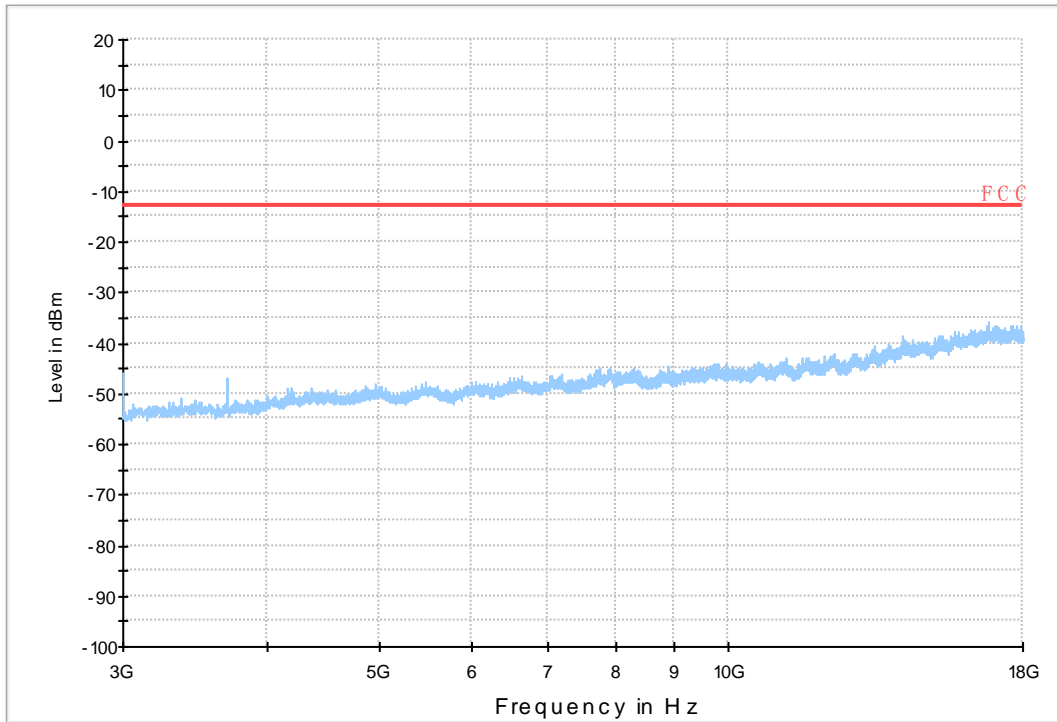
7.2.1.2 Test Bandwidth = 10



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	0.34	0.00048	PASS
					VN	0.43	0.00061	PASS
					VH	0.60	0.00085	PASS
			MCH	TN	VL	-0.17	-0.00024	PASS
					VN	1.50	0.00211	PASS
					VH	-2.83	-0.00399	PASS
		HCH	TN	VL	2.83	0.00397	PASS	
				VN	-4.01	-0.00562	PASS	
				VH	-0.93	-0.0013	PASS	
		10	LCH	TN	VL	-3.45	-0.00487	PASS
					VN	-0.84	-0.00118	PASS
					VH	-0.87	-0.00123	PASS
	MCH		TN	VL	-1.20	-0.00169	PASS	
				VN	-2.56	-0.00361	PASS	
				VH	-3.48	-0.0049	PASS	
	HCH	TN	VL	-0.21	-0.0003	PASS		
			VN	-6.85	-0.00963	PASS		
			VH	2.68	0.00377	PASS		
	LTE/TM2	5	LCH	TN	VL	-4.48	-0.00634	PASS
					VN	-3.42	-0.00484	PASS
					VH	-0.07	-0.0001	PASS
			MCH	TN	VL	6.97	0.00982	PASS
					VN	-0.11	-0.00015	PASS
					VH	4.28	0.00603	PASS
HCH		TN	VL	7.31	0.01025	PASS		
			VN	-0.51	-0.00071	PASS		
			VH	-2.46	-0.00345	PASS		
10		LCH	TN	VL	-2.15	-0.00303	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VN	-2.13	-0.003	PASS
					VH	-6.32	-0.00891	PASS
					VL	1.70	0.00239	PASS
					VN	0.87	0.00123	PASS
			HCH	TN	VH	0.99	0.00139	PASS
					VL	1.95	0.00274	PASS
					VN	0.74	0.00104	PASS
					VH	-0.87	-0.00122	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	3.68	0.00521	PASS
				MCH	VN	0.07	0.0001	PASS
				HCH	VN	-1.77	-0.00248	PASS
			10	LCH	VN	-4.73	-0.00667	PASS
				MCH	VN	-0.83	-0.00117	PASS
				HCH	VN	3.43	0.00482	PASS
		LTE/TM2	5	LCH	VN	0.16	0.00023	PASS
				MCH	VN	-1.59	-0.00224	PASS
				HCH	VN	-9.36	-0.01312	PASS
			10	LCH	VN	-0.44	-0.00062	PASS
				MCH	VN	-6.32	-0.0089	PASS
				HCH	VN	-7.15	-0.01006	PASS
	-20	LTE/TM1	5	LCH	VN	-1.04	-0.00147	PASS
				MCH	VN	-9.66	-0.01361	PASS
				HCH	VN	-0.64	-0.0009	PASS
			10	LCH	VN	6.09	0.00859	PASS
				MCH	VN	4.12	0.0058	PASS
				HCH	VN	7.68	0.0108	PASS
		LTE/TM2	5	LCH	VN	2.37	0.00335	PASS
				MCH	VN	2.88	0.00406	PASS
				HCH	VN	-4.31	-0.00604	PASS
			10	LCH	VN	-1.67	-0.00236	PASS
				MCH	VN	-0.93	-0.00131	PASS
				HCH	VN	0.17	0.00024	PASS
-10	LTE/TM1	5	LCH	VN	-1.27	-0.0018	PASS	



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
				MCH	VN	-0.30	-0.00042	PASS	
				HCH	VN	11.64	0.01631	PASS	
			10	LCH	VN	-3.96	-0.00559	PASS	
				MCH	VN	1.93	0.00272	PASS	
				HCH	VN	3.68	0.00518	PASS	
				LCH	VN	1.29	0.00183	PASS	
		5	MCH	VN	1.29	0.00182	PASS		
			HCH	VN	-2.22	-0.00311	PASS		
			LCH	VN	-0.63	-0.00089	PASS		
		10	MCH	VN	3.30	0.00465	PASS		
			HCH	VN	0.92	0.00129	PASS		
			LCH	VN	1.87	0.00265	PASS		
		0	LTE/TM1	5	MCH	VN	-3.91	-0.00551	PASS
					HCH	VN	13.83	0.01938	PASS
					LCH	VN	-0.59	-0.00083	PASS
	10			MCH	VN	-0.09	-0.00013	PASS	
				HCH	VN	-0.44	-0.00062	PASS	
				LCH	VN	-0.76	-0.00108	PASS	
	LTE/TM2		5	MCH	VN	0.31	0.00044	PASS	
				HCH	VN	-24.48	-0.03431	PASS	
				LCH	VN	-0.26	-0.00037	PASS	
			10	MCH	VN	0.41	0.00058	PASS	
				HCH	VN	2.37	0.00333	PASS	
				LCH	VN	-0.40	-0.00057	PASS	
	10		LTE/TM1	5	MCH	VN	-3.20	-0.00451	PASS
					HCH	VN	-5.11	-0.00716	PASS
					LCH	VN	-7.02	-0.0099	PASS
		10		MCH	VN	6.79	0.00956	PASS	
				HCH	VN	4.09	0.00575	PASS	
				LCH	VN	-5.42	-0.00767	PASS	
		LTE/TM2	5	MCH	VN	-0.39	-0.00055	PASS	
				HCH	VN	-0.69	-0.00097	PASS	
				LCH	VN	1.17	0.00165	PASS	
			10	MCH	VN	-2.63	-0.0037	PASS	
				HCH	VN	-0.36	-0.00051	PASS	
				LCH	VN	0.64	0.00091	PASS	
20		LTE/TM1	5	MCH	VN	1.42	0.002	PASS	
				HCH	VN	5.11	0.00716	PASS	
				LCH	VN	-0.56	-0.00079	PASS	
	10		MCH	VN	1.93	0.00272	PASS		
			HCH	VN	3.68	0.00518	PASS		
			LCH	VN	1.29	0.00183	PASS		

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
				MCH	VN	0.70	0.00099	PASS	
				HCH	VN	8.15	0.01146	PASS	
		LTE/TM2	5	LCH	VN	-2.17	-0.00307	PASS	
				MCH	VN	-0.11	-0.00015	PASS	
				HCH	VN	3.62	0.00507	PASS	
				LCH	VN	-0.40	-0.00056	PASS	
			10	MCH	VN	0.60	0.00085	PASS	
				HCH	VN	-2.02	-0.00284	PASS	
		30	LTE/TM1	5	LCH	VN	-0.47	-0.00067	PASS
					MCH	VN	-0.16	-0.00023	PASS
	HCH				VN	0.44	0.00062	PASS	
	10			LCH	VN	-0.39	-0.00055	PASS	
				MCH	VN	-6.85	-0.00965	PASS	
				HCH	VN	12.97	0.01824	PASS	
	LTE/TM2		5	LCH	VN	5.44	0.0077	PASS	
				MCH	VN	-2.78	-0.00392	PASS	
			10	HCH	VN	0.50	0.0007	PASS	
				LCH	VN	1.47	0.00207	PASS	
	40	LTE/TM1	5	LCH	VN	-2.90	-0.0041	PASS	
				MCH	VN	-1.03	-0.00145	PASS	
				HCH	VN	1.59	0.00223	PASS	
			10	LCH	VN	-8.70	-0.01227	PASS	
				MCH	VN	7.10	0.01	PASS	
				HCH	VN	1.93	0.00271	PASS	
		LTE/TM2	5	LCH	VN	-2.85	-0.00403	PASS	
				MCH	VN	-12.30	-0.01732	PASS	
				HCH	VN	-2.65	-0.00371	PASS	
			10	LCH	VN	-0.77	-0.00109	PASS	
	MCH	VN		1.57	0.00221	PASS			
	50	LTE/TM1	5	LCH	VN	-0.69	-0.00098	PASS	
MCH				VN	6.94	0.00977	PASS		
HCH				VN	-3.95	-0.00554	PASS		
10			LCH	VN	6.08	0.00858	PASS		
			MCH	VN	-0.17	-0.00024	PASS		
			HCH	VN	-5.48	-0.00771	PASS		
LTE/TM2		5	LCH	VN	0.34	0.00048	PASS		



Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				MCH	VN	7.85	0.01106	PASS
				HCH	VN	0.47	0.00066	PASS
			10	LCH	VN	4.29	0.00605	PASS
				MCH	VN	-0.09	-0.00013	PASS
				HCH	VN	-4.92	-0.00692	PASS

END