



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	21.58	17.80	34.7	PASS
				RB1#13	22.31	18.42	34.7	PASS
				RB1#24	22.12	18.47	34.7	PASS
				RB12#0	21.06	17.50	34.7	PASS
				RB12#6	21.2	17.29	34.7	PASS
				RB12#13	21.24	17.67	34.7	PASS
				RB25#0	21.06	17.47	34.7	PASS
			MCH	RB1#0	22.3	18.77	34.7	PASS
				RB1#13	22.71	19.08	34.7	PASS
				RB1#24	22.29	18.64	34.7	PASS
				RB12#0	21.51	17.82	34.7	PASS
				RB12#6	21.77	17.92	34.7	PASS
				RB12#13	21.69	17.86	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.62	17.77	34.7	PASS
			HCH	RB1#0	22.55	18.64	34.7	PASS
				RB1#13	22.63	18.69	34.7	PASS
				RB1#24	22.09	18.22	34.7	PASS
				RB12#0	21.83	17.86	34.7	PASS
				RB12#6	21.75	18.07	34.7	PASS
				RB12#13	21.44	17.81	34.7	PASS
				RB25#0	21.63	17.64	34.7	PASS
		10		LCH	RB1#0	21.32	17.51	34.7
			RB1#25		22.65	19.03	34.7	PASS
			RB1#49		21.8	18.01	34.7	PASS
			RB25#0		20.96	17.03	34.7	PASS
			RB25#13		21.49	17.81	34.7	PASS
			RB25#25		21.42	17.79	34.7	PASS
			RB50#0		21.19	17.60	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.66	18.07	34.7	PASS
				RB1#25	22.82	19.18	34.7	PASS
				RB1#49	21.85	18.04	34.7	PASS
				RB25#0	21.17	17.50	34.7	PASS
				RB25#13	21.69	17.90	34.7	PASS
				RB25#25	21.48	17.50	34.7	PASS
				RB50#0	21.33	17.65	34.7	PASS
			HCH	RB1#0	21.87	18.15	34.7	PASS
				RB1#25	22.87	18.93	34.7	PASS
				RB1#49	21.79	18.09	34.7	PASS
				RB25#0	21.31	17.65	34.7	PASS
				RB25#13	21.76	17.95	34.7	PASS
				RB25#25	21.42	17.46	34.7	PASS
					RB50#0	21.37	17.48	34.7
	LTE/TM	5	LCH	RB1#0	20.59	16.68	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict			
	2			RB1#13	21.23	17.52	34.7	PASS			
				RB1#24	21.03	17.06	34.7	PASS			
				RB12#0	21.04	17.54	34.7	PASS			
				RB12#6	21.21	17.30	34.7	PASS			
				RB12#13	21.3	17.63	34.7	PASS			
				RB25#0	21.09	17.39	34.7	PASS			
			MCH	RB1#0	21.24	17.53	34.7	PASS			
				RB1#13	21.82	18.13	34.7	PASS			
				RB1#24	21.32	17.34	34.7	PASS			
				RB12#0	21.54	18.03	34.7	PASS			
				RB12#6	21.79	18.04	34.7	PASS			
				RB12#13	21.7	17.81	34.7	PASS			
			HCH	RB25#0	21.57	17.84	34.7	PASS			
				RB1#0	21.82	18.29	34.7	PASS			
				RB1#13	21.89	18.32	34.7	PASS			
							RB1#24	21.24	17.64	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#0	21.77	17.99	34.7	PASS
				RB12#6	21.69	17.85	34.7	PASS
				RB12#13	21.39	17.48	34.7	PASS
				RB25#0	21.56	17.64	34.7	PASS
		10	LCH	RB1#0	20.59	16.71	34.7	PASS
				RB1#25	21.92	18.27	34.7	PASS
				RB1#49	21.04	17.50	34.7	PASS
				RB25#0	20.93	17.29	34.7	PASS
				RB25#13	21.44	17.85	34.7	PASS
				RB25#25	21.37	17.77	34.7	PASS
				RB50#0	21.16	17.28	34.7	PASS
				MCH	RB1#0	20.68	17.12	34.7
		RB1#25	21.91		18.02	34.7	PASS	
		RB1#49	20.84		16.87	34.7	PASS	
		RB25#0	21.09		17.44	34.7	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.59	17.59	34.7	PASS
				RB25#25	21.42	17.83	34.7	PASS
				RB50#0	21.29	17.68	34.7	PASS
			HCH	RB1#0	20.81	16.89	34.7	PASS
				RB1#25	21.88	18.37	34.7	PASS
				RB1#49	20.66	17.07	34.7	PASS
				RB25#0	21.28	17.52	34.7	PASS
				RB25#13	21.66	17.79	34.7	PASS
				RB25#25	21.38	17.39	34.7	PASS
				RB50#0	21.32	17.48	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:

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

SET RBW = 1% 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	4.7	13	PASS
				RB1#13	4.56	13	PASS
				RB1#24	4.69	13	PASS
				RB12#0	5.66	13	PASS
				RB12#6	5.53	13	PASS
				RB12#13	5.63	13	PASS
				RB25#0	6.02	13	PASS
			MCH	RB1#0	4.75	13	PASS
				RB1#13	4.31	13	PASS
				RB1#24	4.26	13	PASS
				RB12#0	5.46	13	PASS
				RB12#6	5.19	13	PASS
				RB12#13	5.12	13	PASS
				RB25#0	5.71	13	PASS
			HCH	RB1#0	4.12	13	PASS
				RB1#13	3.77	13	PASS
				RB1#24	4.13	13	PASS
				RB12#0	4.96	13	PASS
		RB12#6		4.87	13	PASS	
		RB12#13		5.14	13	PASS	
		RB25#0		5.63	13	PASS	
		10	LCH	RB1#0	4.59	13	PASS
				RB1#25	4.32	13	PASS
				RB1#49	4.18	13	PASS
				RB25#0	5.95	13	PASS
				RB25#13	5.65	13	PASS
				RB25#25	5.46	13	PASS
RB50#0	5.74			13	PASS		
MCH	RB1#0		4.71	13	PASS		
	RB1#25		4.2	13	PASS		
	RB1#49		4.4	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	5.89	13	PASS
				RB25#13	5.34	13	PASS
				RB25#25	5.28	13	PASS
				RB50#0	5.71	13	PASS
			HCH	RB1#0	4.77	13	PASS
				RB1#25	4.14	13	PASS
				RB1#49	4.41	13	PASS
				RB25#0	5.7	13	PASS
				RB25#13	5.2	13	PASS
				RB25#25	5.38	13	PASS
				RB50#0	5.72	13	PASS
			LCH	RB1#0	5.6	13	PASS
				RB1#13	5.54	13	PASS
				RB1#24	5.65	13	PASS
				RB12#0	5.99	13	PASS
	RB12#6	5.98		13	PASS		
	RB12#13	6.02		13	PASS		
	RB25#0	6.59		13	PASS		
	MCH	RB1#0		5.54	13	PASS	
		RB1#13		5.12	13	PASS	
		RB1#24		4.95	13	PASS	
		RB12#0	5.88	13	PASS		
		RB12#6	5.57	13	PASS		
		RB12#13	5.47	13	PASS		
	HCH	RB25#0	6.15	13	PASS		
		RB1#0	4.8	13	PASS		
		RB1#13	4.68	13	PASS		
		RB1#24	4.89	13	PASS		
		RB12#0	5.27	13	PASS		
		RB12#6	5.19	13	PASS		
LCH	RB12#13	5.5	13	PASS			
	RB25#0	5.9	13	PASS			
	RB1#0	4.92	13	PASS			
	RB1#25	5.29	13	PASS			
	RB1#49	4.58	13	PASS			
	RB25#0	6.18	13	PASS			
	RB25#13	5.88	13	PASS			
RB25#25	5.63	13	PASS				
RB50#0	6.33	13	PASS				

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	5.47	13	PASS
				RB1#25	5.29	13	PASS
				RB1#49	5.18	13	PASS
				RB25#0	6.16	13	PASS
				RB25#13	5.66	13	PASS
				RB25#25	5.52	13	PASS
				RB50#0	6.29	13	PASS
			HCH	RB1#0	5.33	13	PASS
				RB1#25	4.96	13	PASS
				RB1#49	4.95	13	PASS
				RB25#0	6.26	13	PASS
				RB25#13	5.66	13	PASS
				RB25#25	5.59	13	PASS
				RB50#0	6.21	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

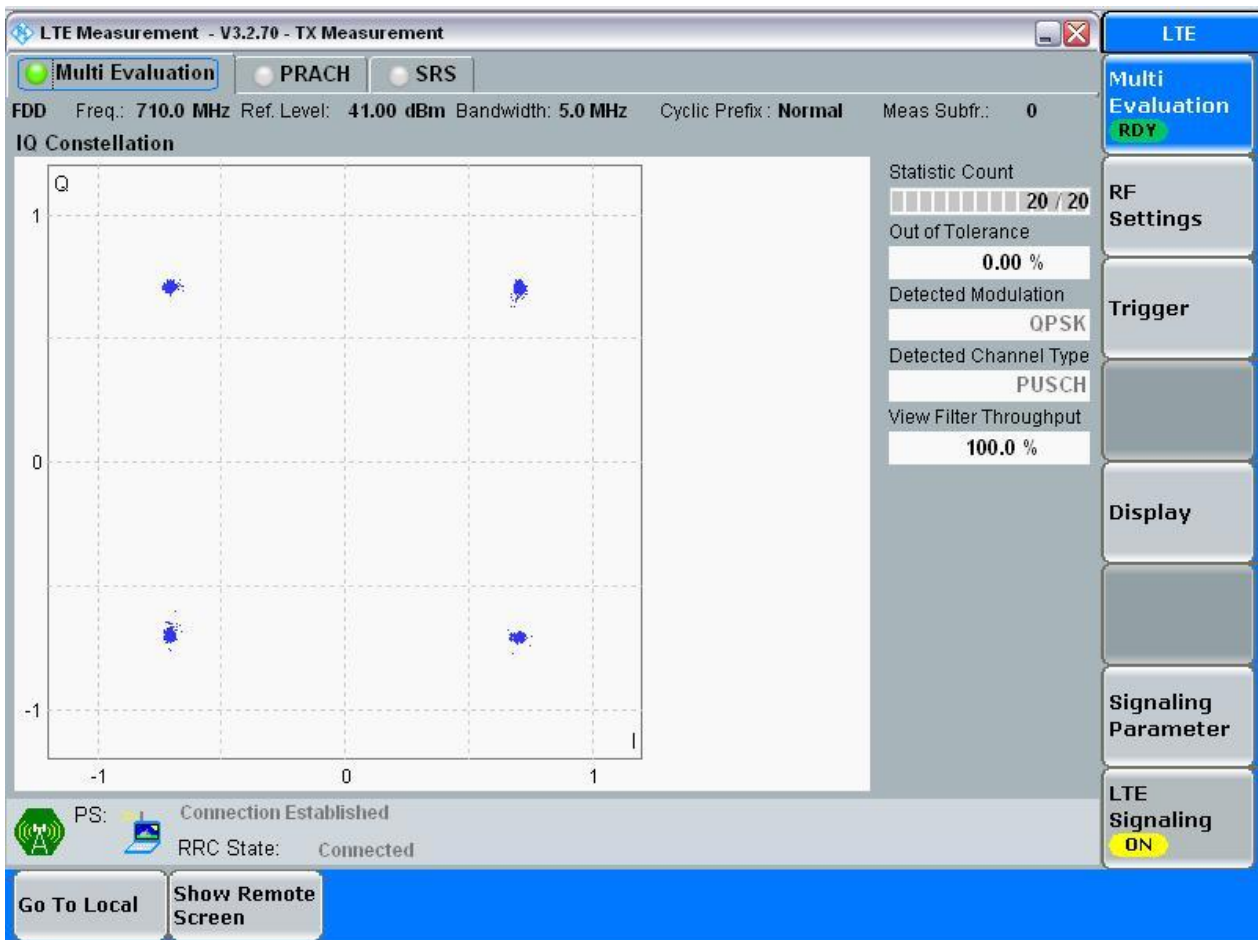
3.1.1 Test Band = BAND17

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

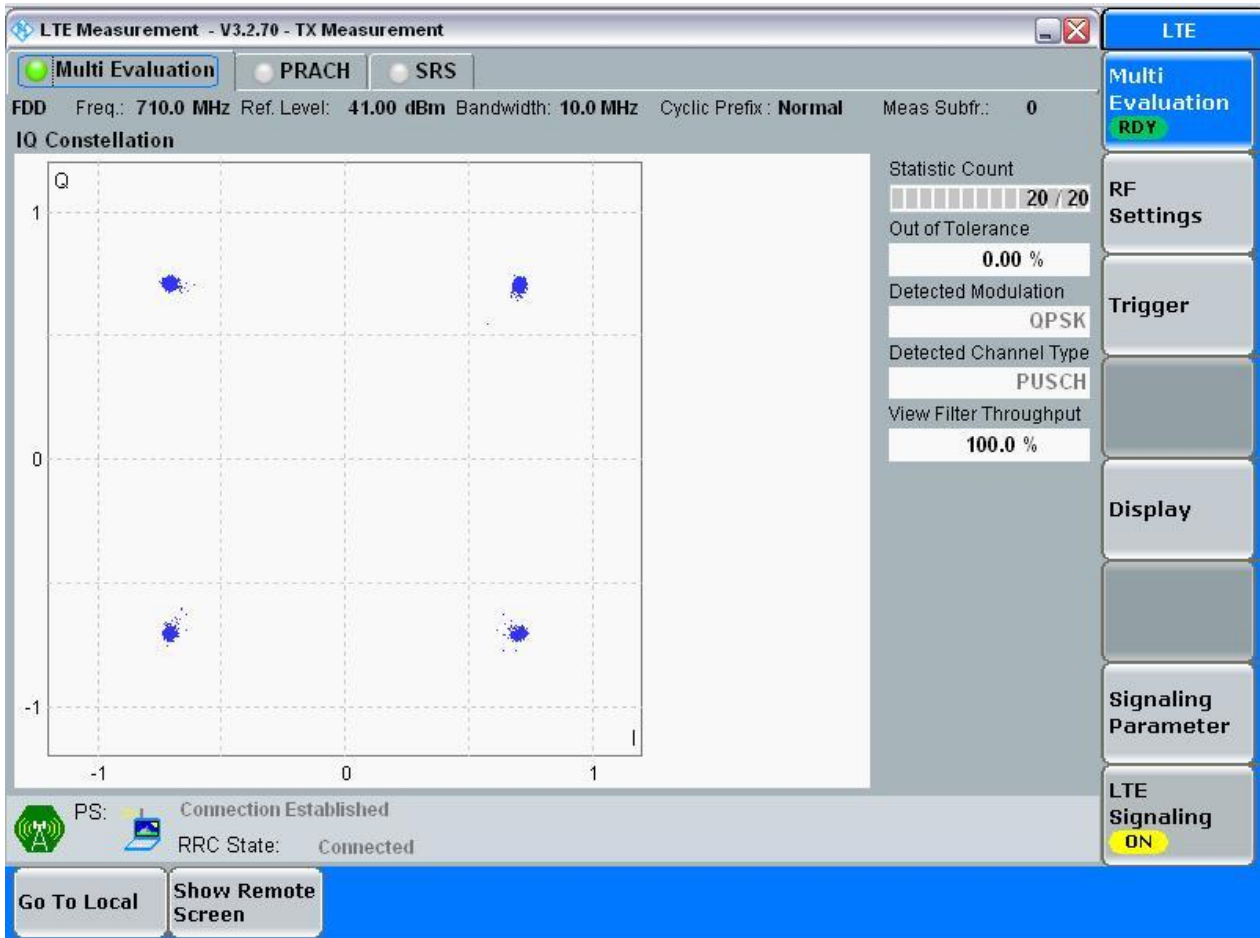
3.1.1.1.1.1.1 Test RB = RB25#0



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

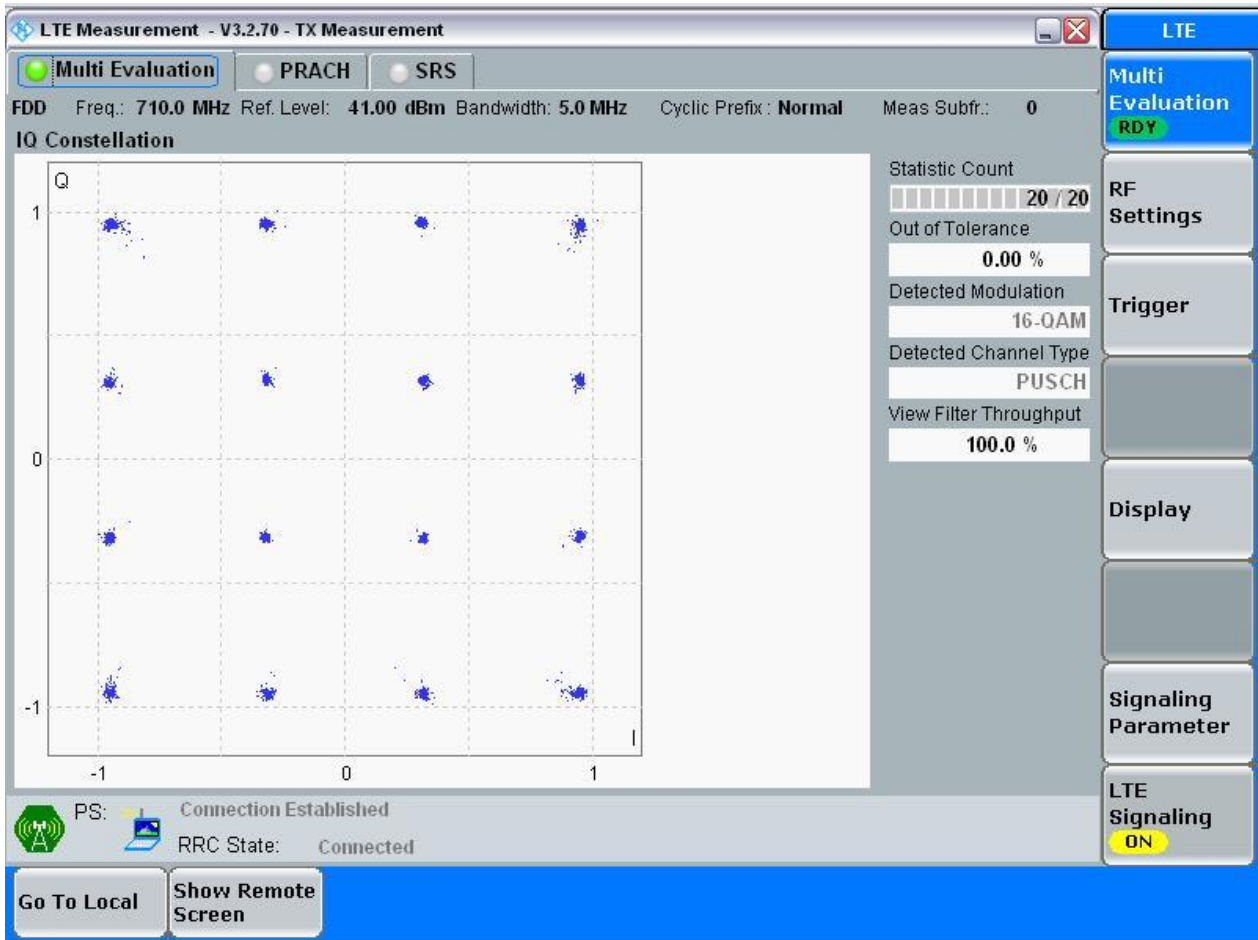


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

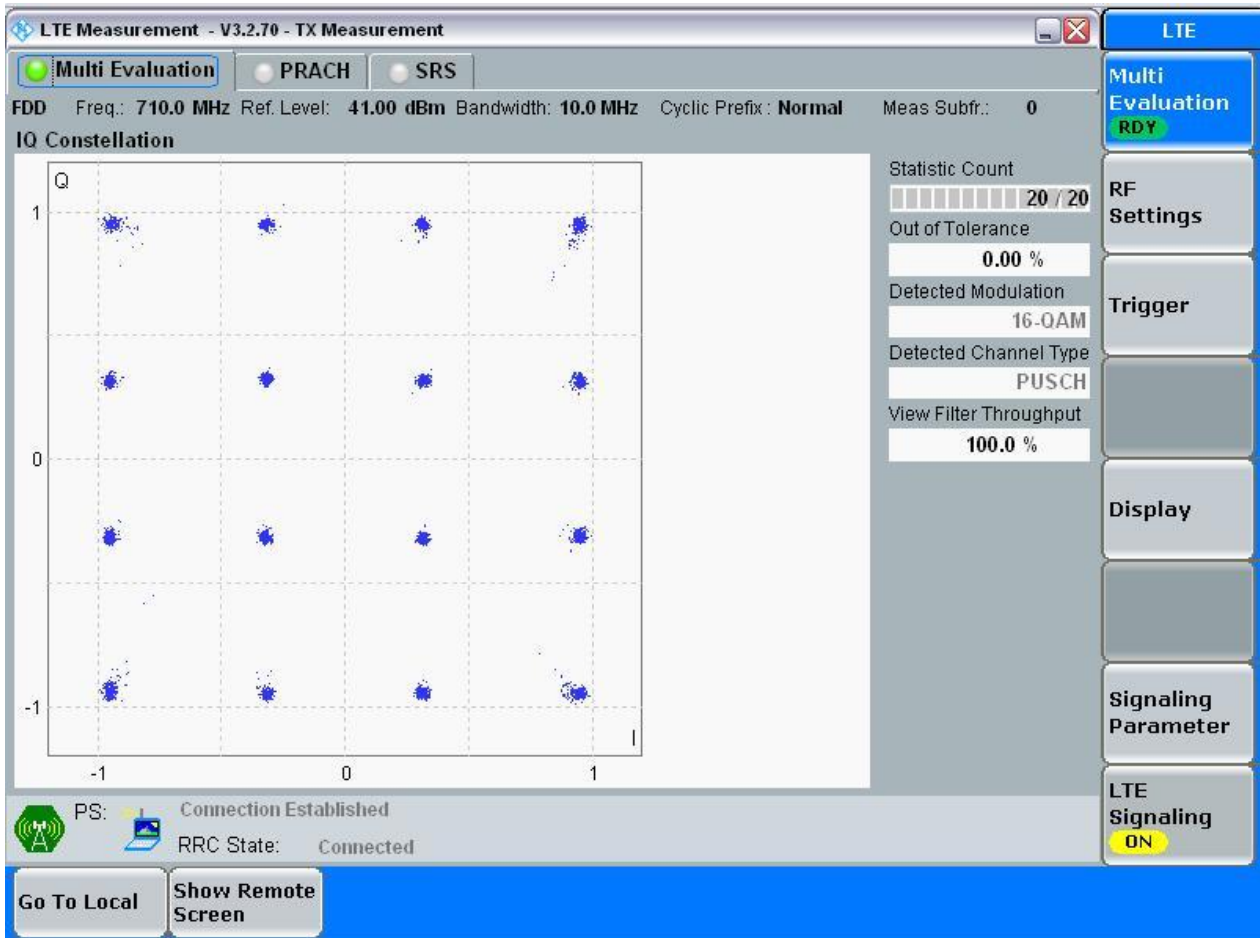
3.1.1.2.1.1.1 Test RB = RB25#0



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	4.96	Pass
			MCH	RB25#0	4.51	4.96	Pass
			HCH	RB25#0	4.51	4.95	Pass
		10	LCH	RB50#0	8.98	9.90	Pass
			MCH	RB50#0	8.97	9.89	Pass
			HCH	RB50#0	8.96	9.90	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	5.00	Pass
			MCH	RB25#0	4.52	4.97	Pass
			HCH	RB25#0	4.51	4.98	Pass
		10	LCH	RB50#0	8.98	9.90	Pass
			MCH	RB50#0	8.99	9.90	Pass
			HCH	RB50#0	8.98	9.85	Pass



Part II - Test Plots

4.1 For LTE

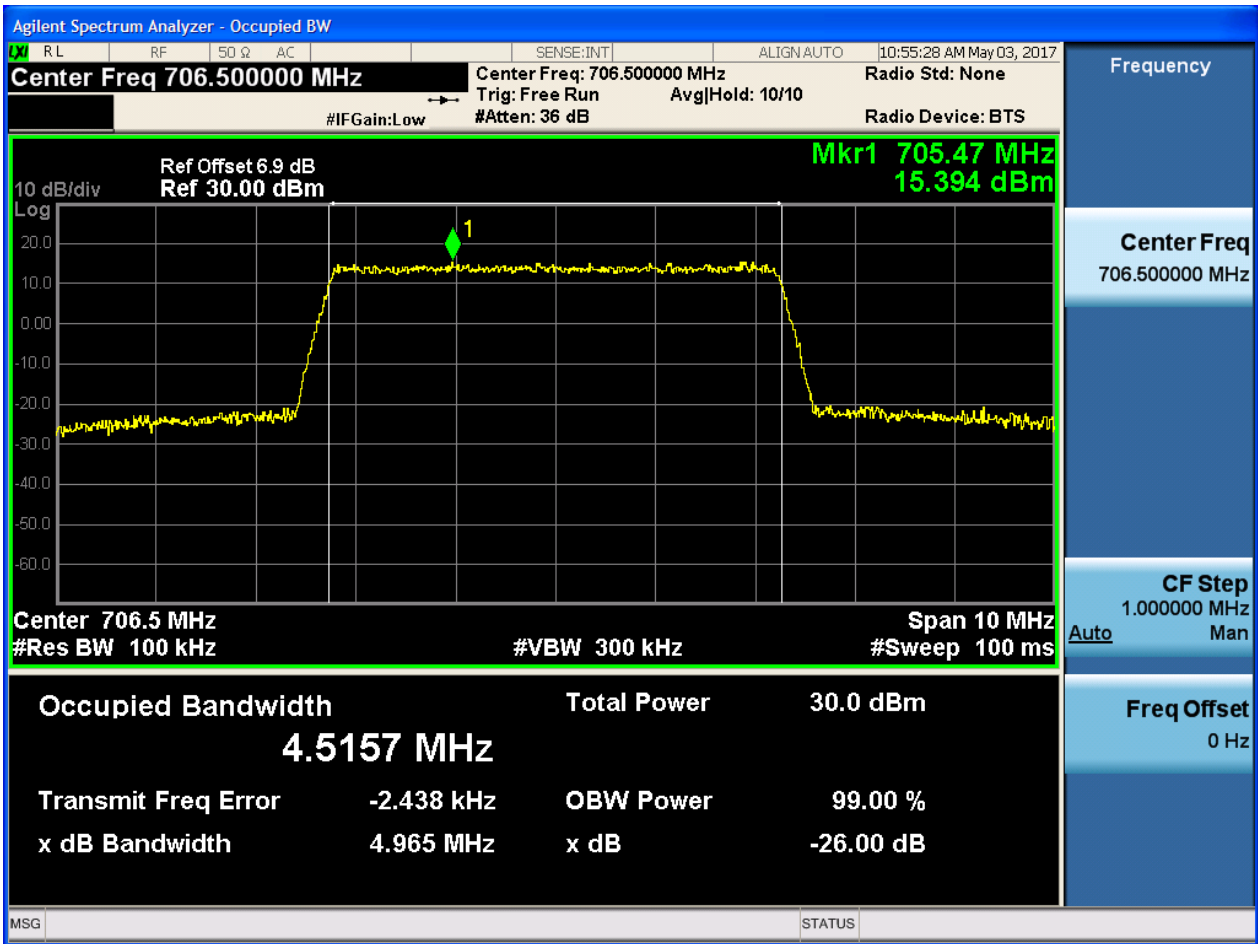
4.1.1 Test Band = BAND17

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

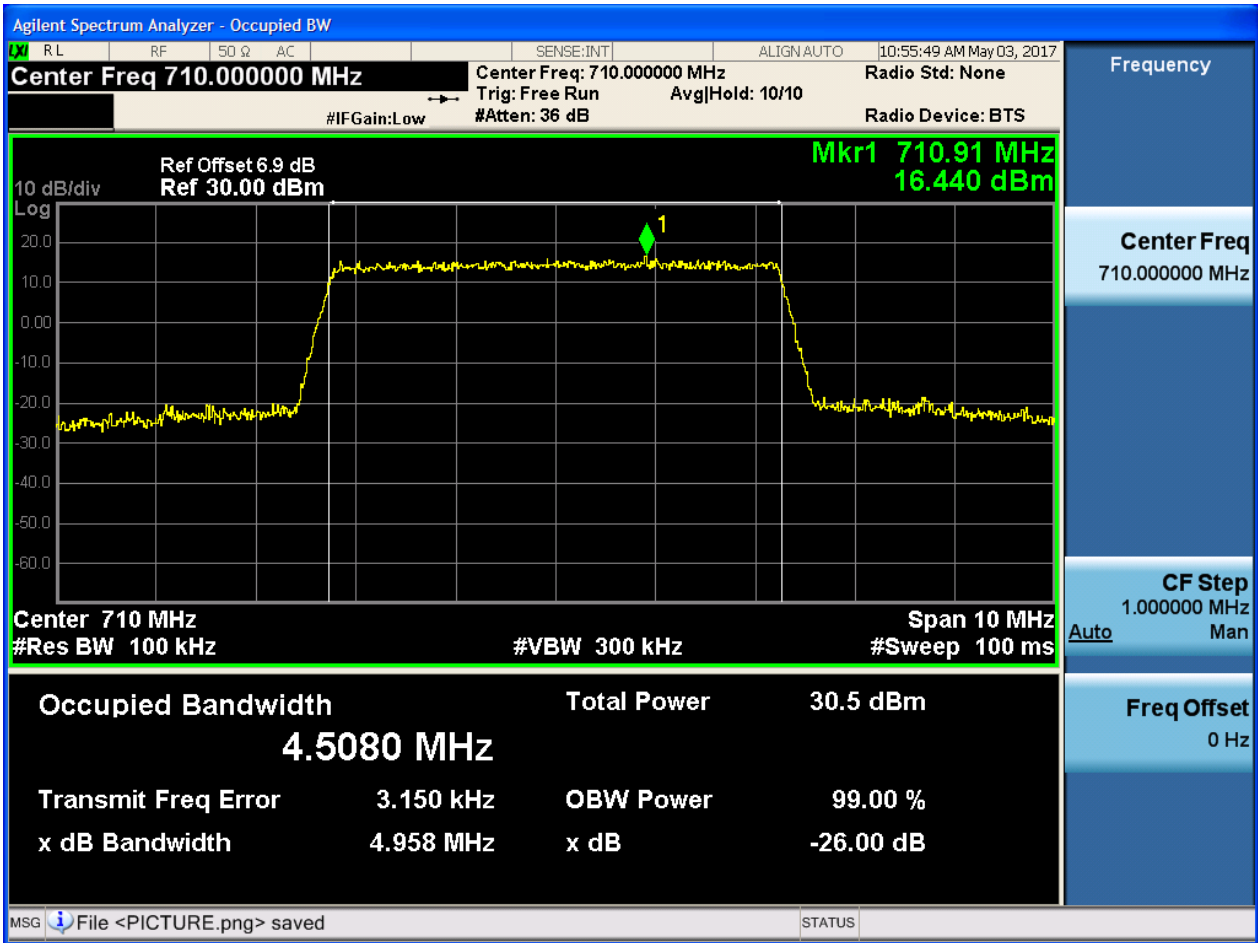
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.2 Test Channel = MCH

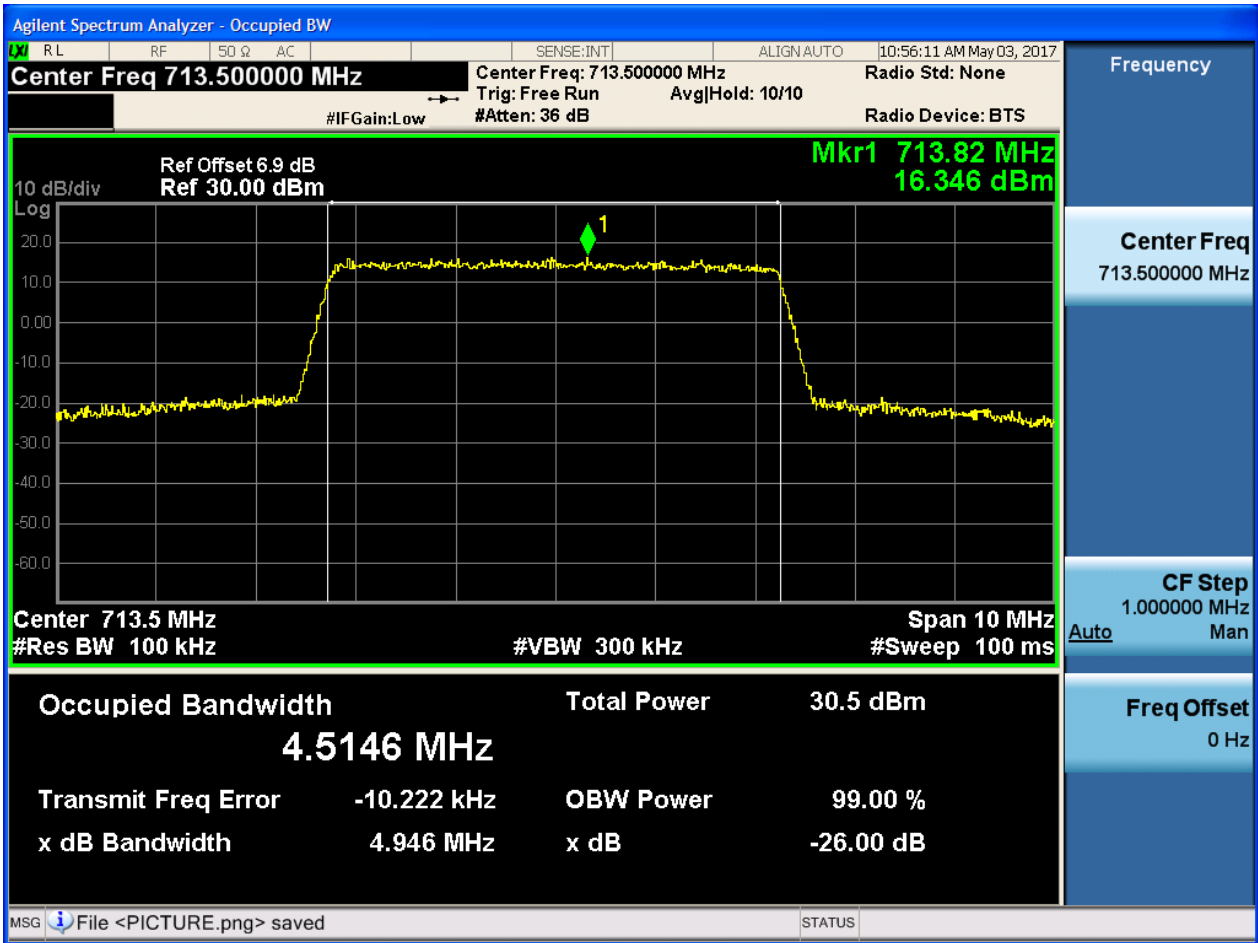
4.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

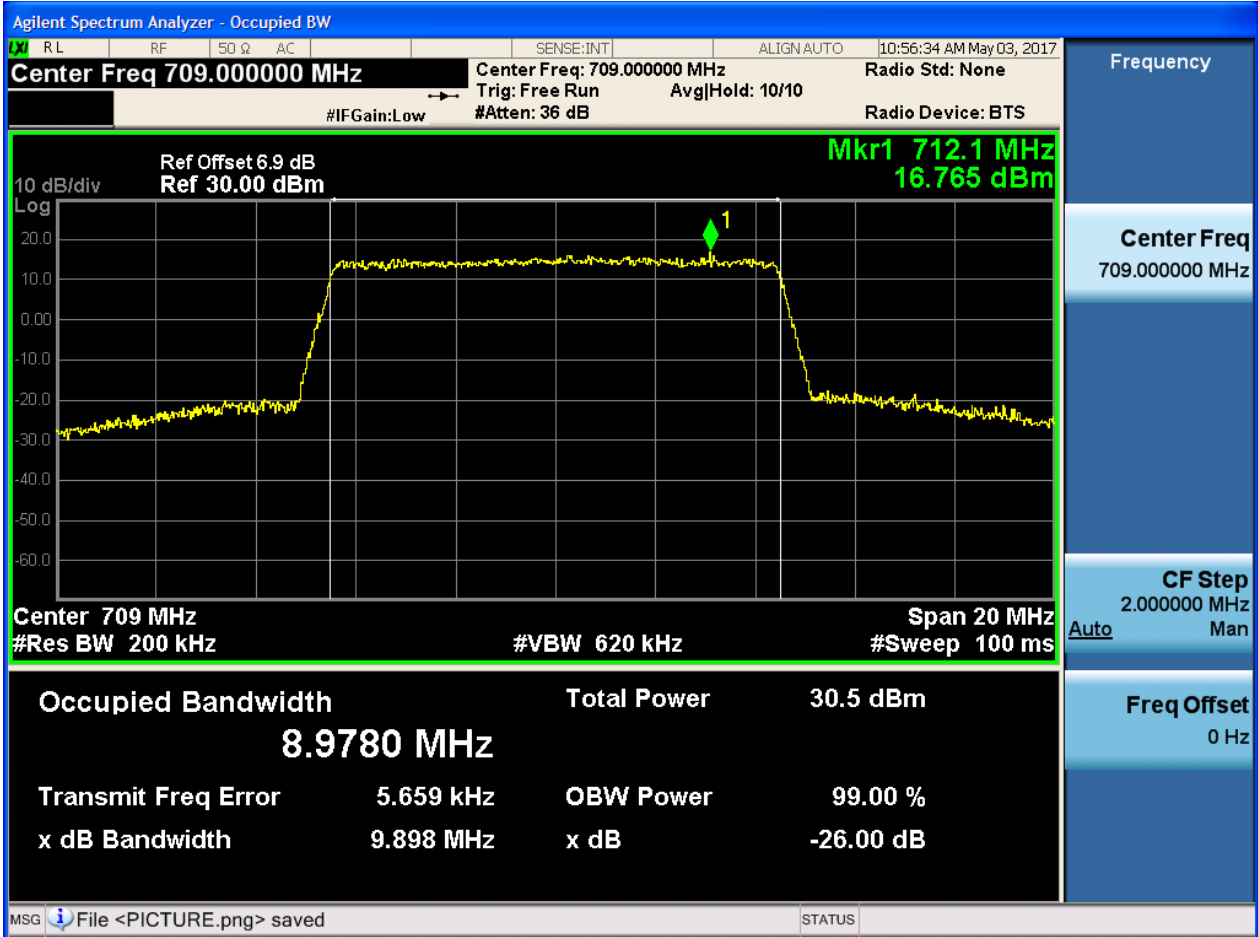




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

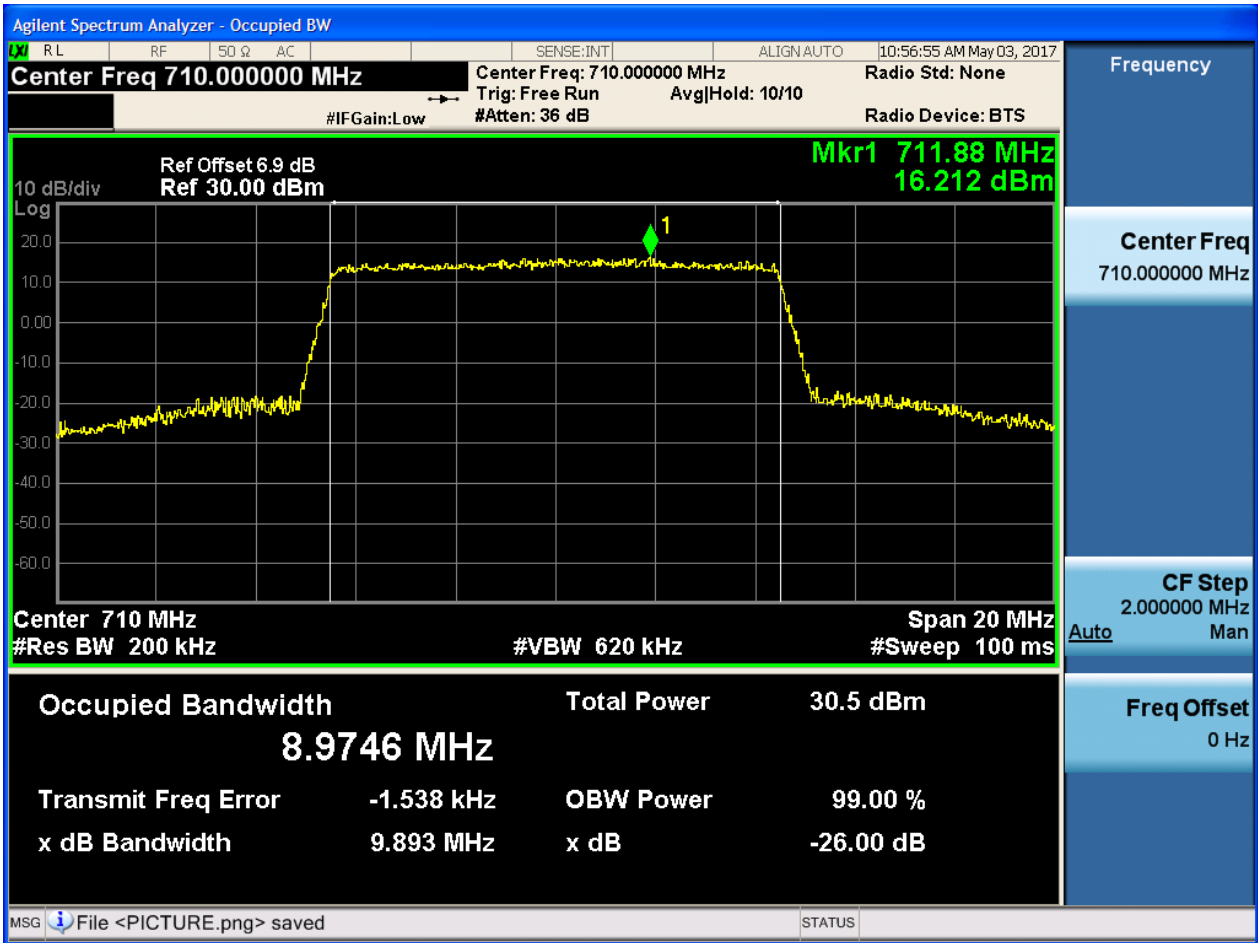
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

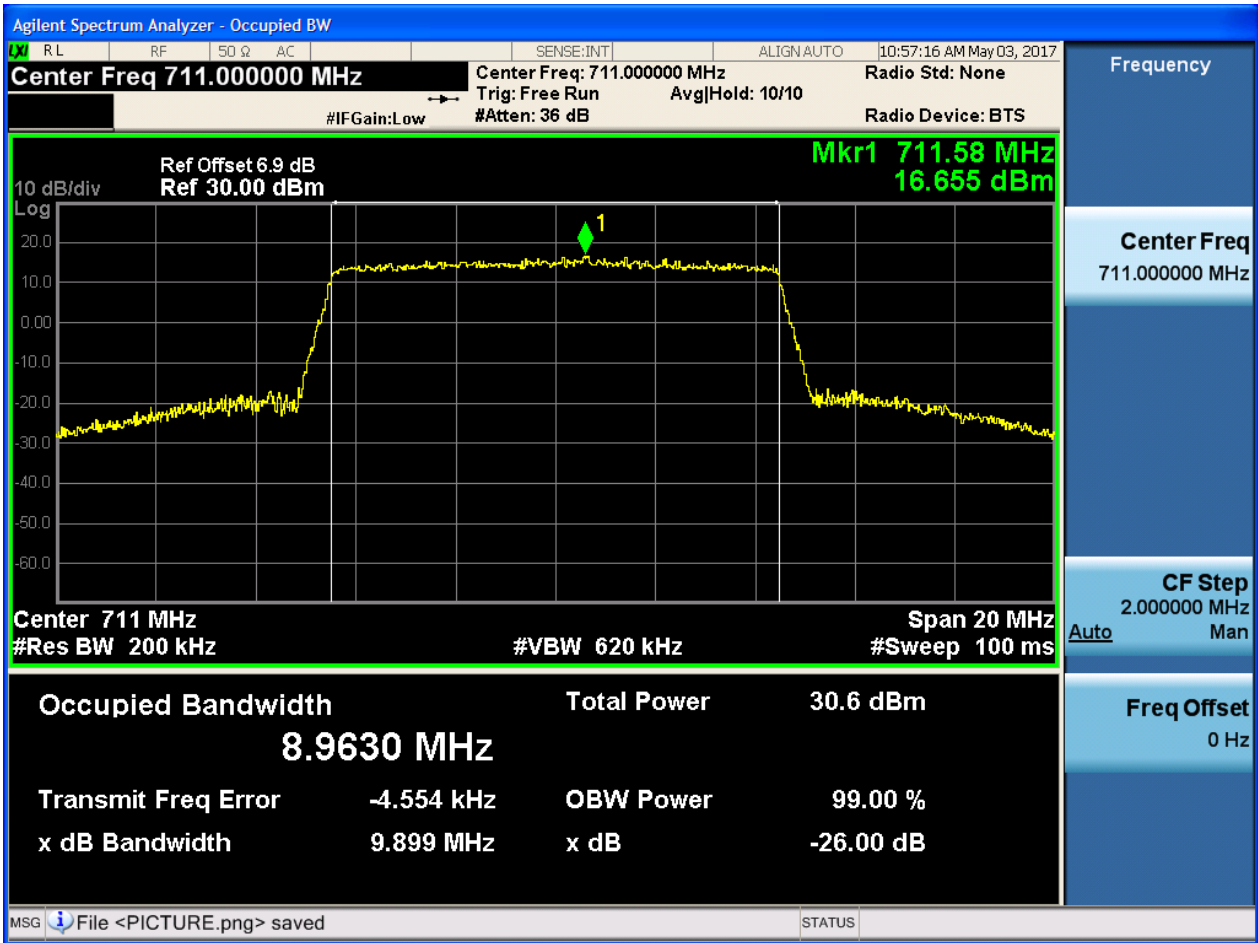
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



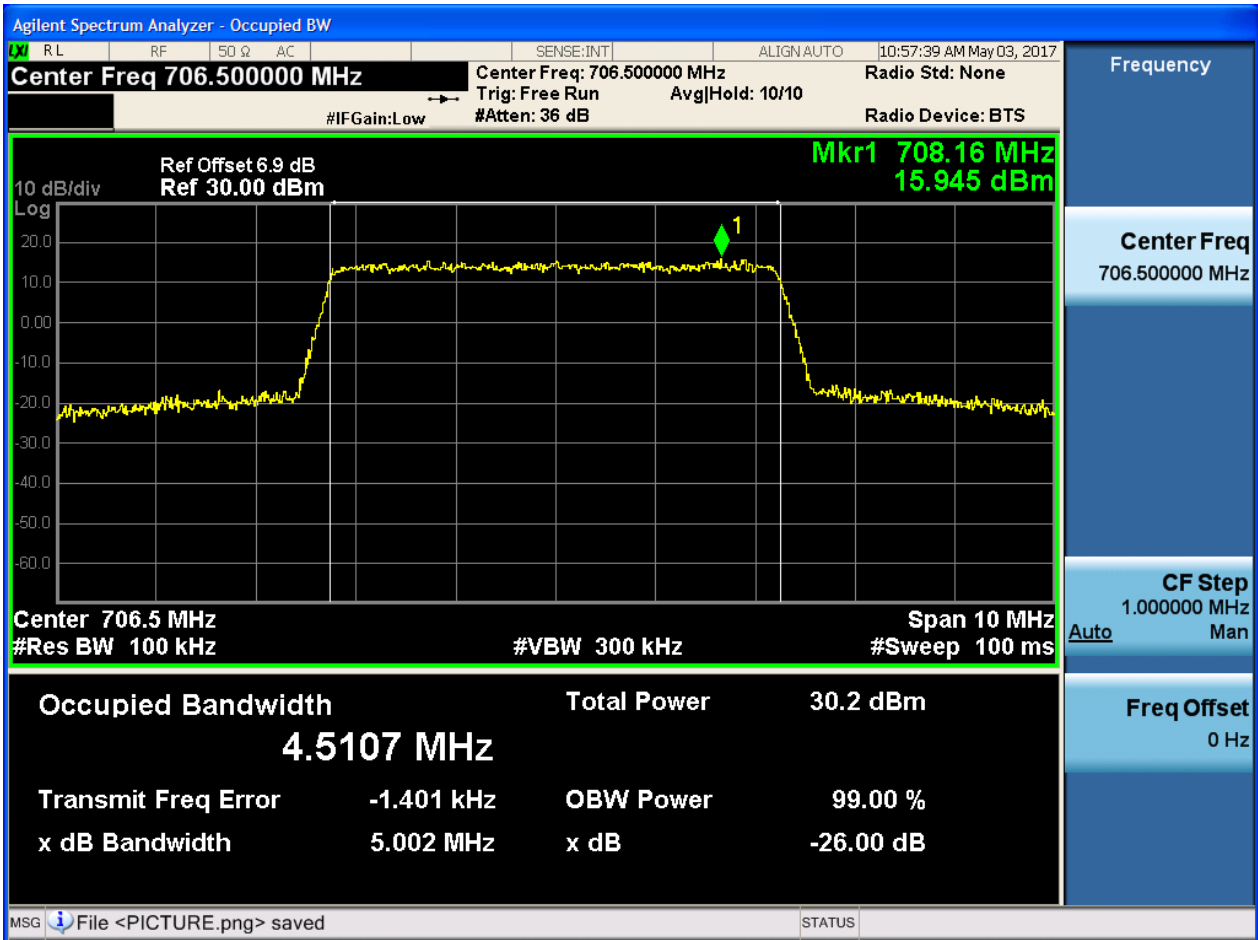


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

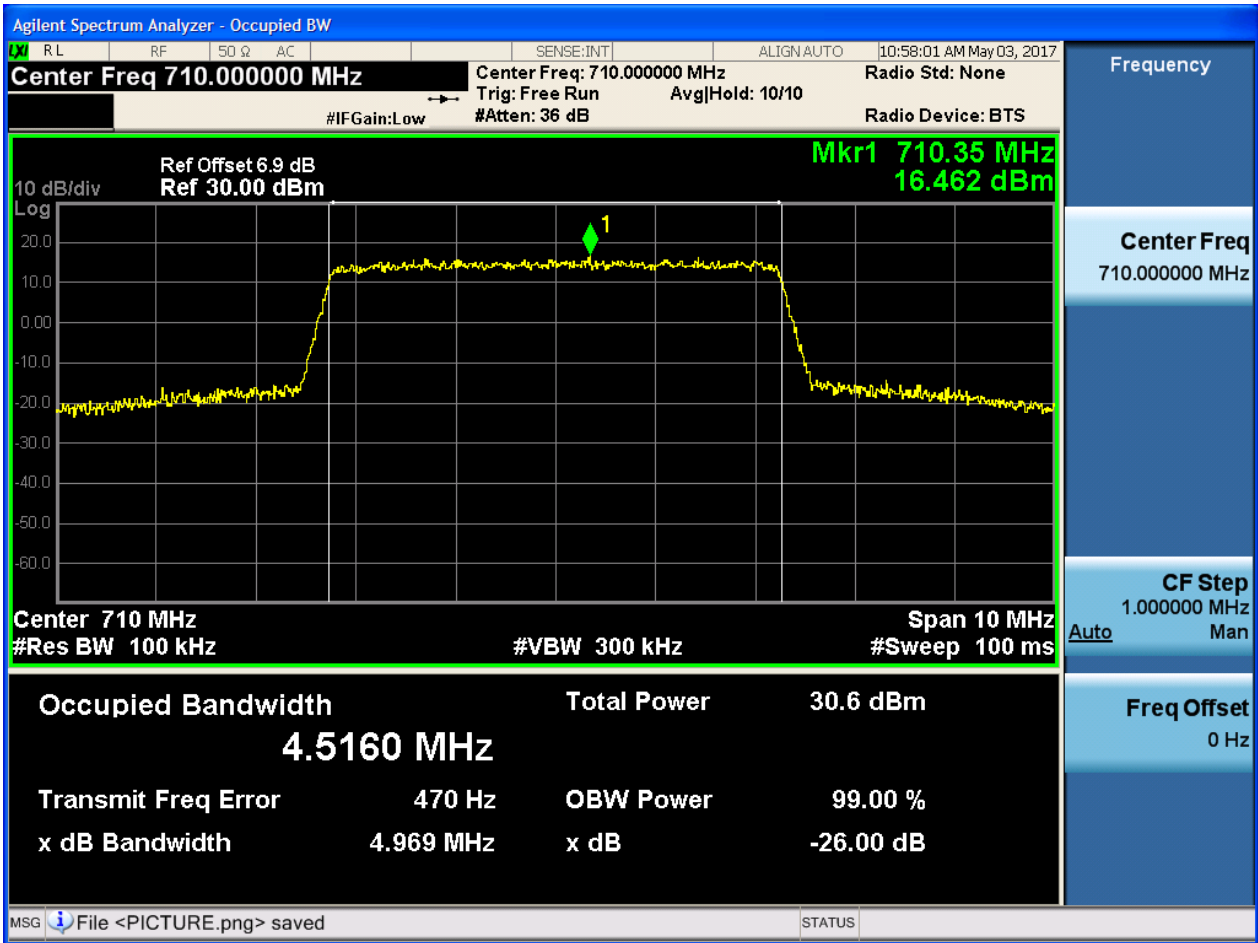
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

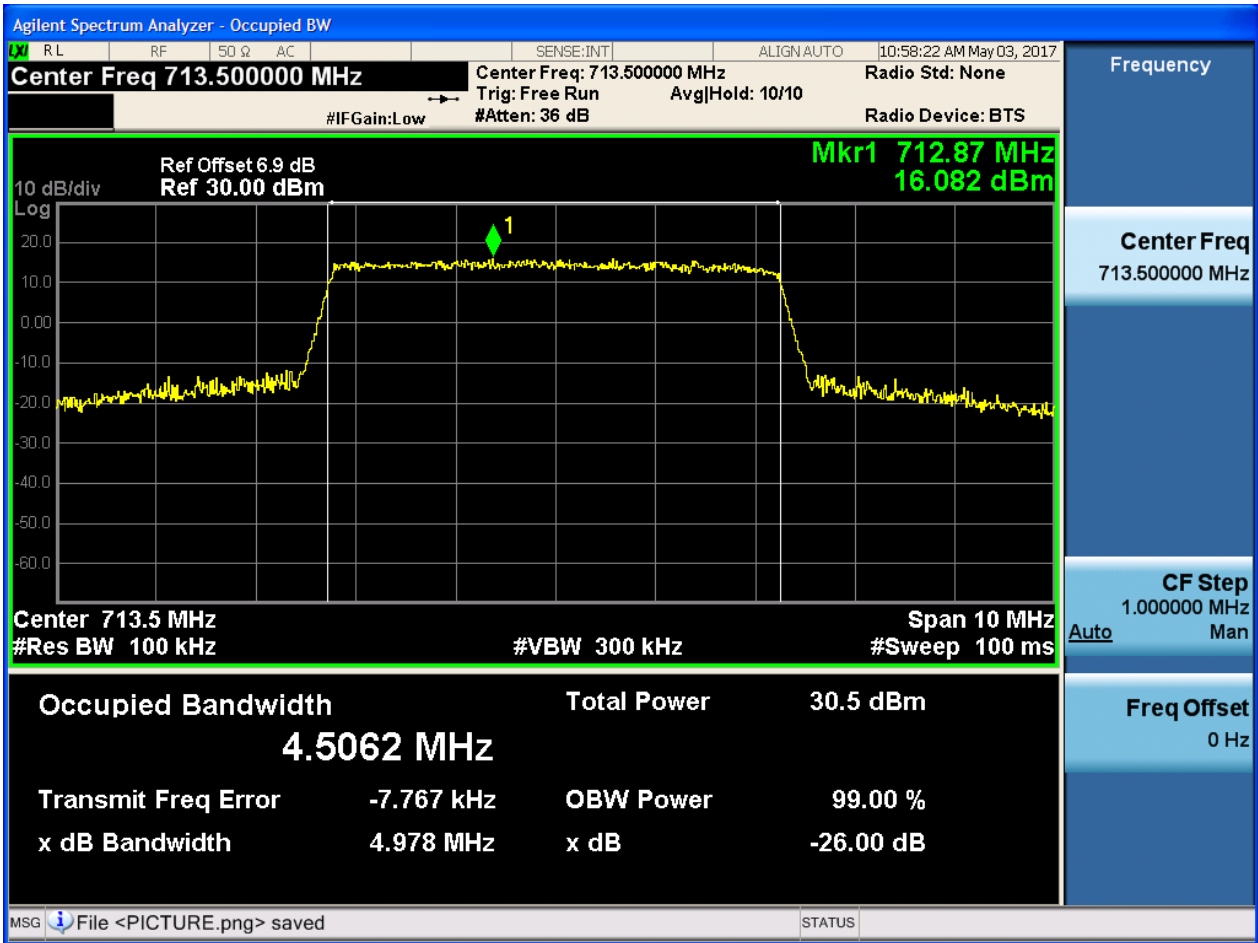
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

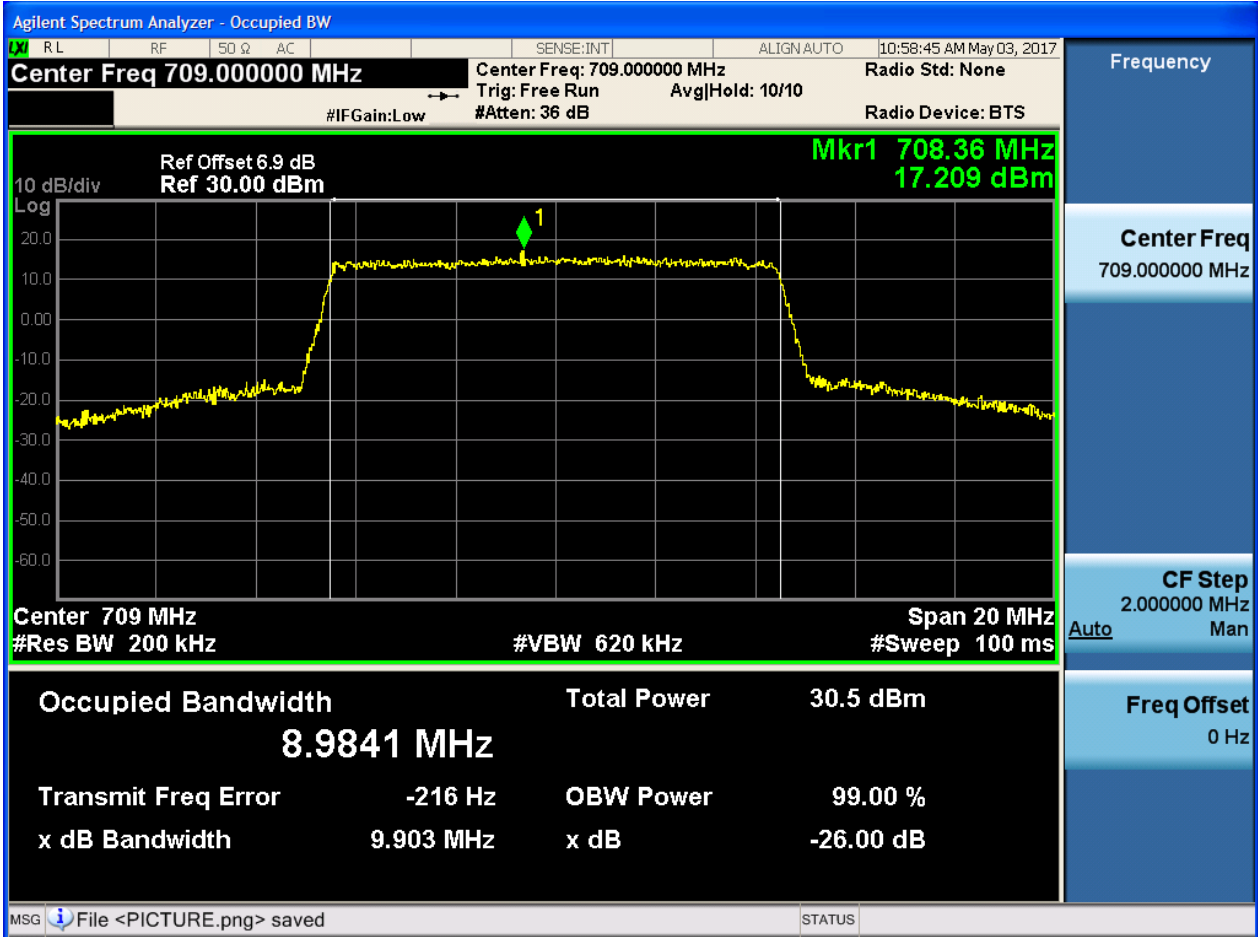




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

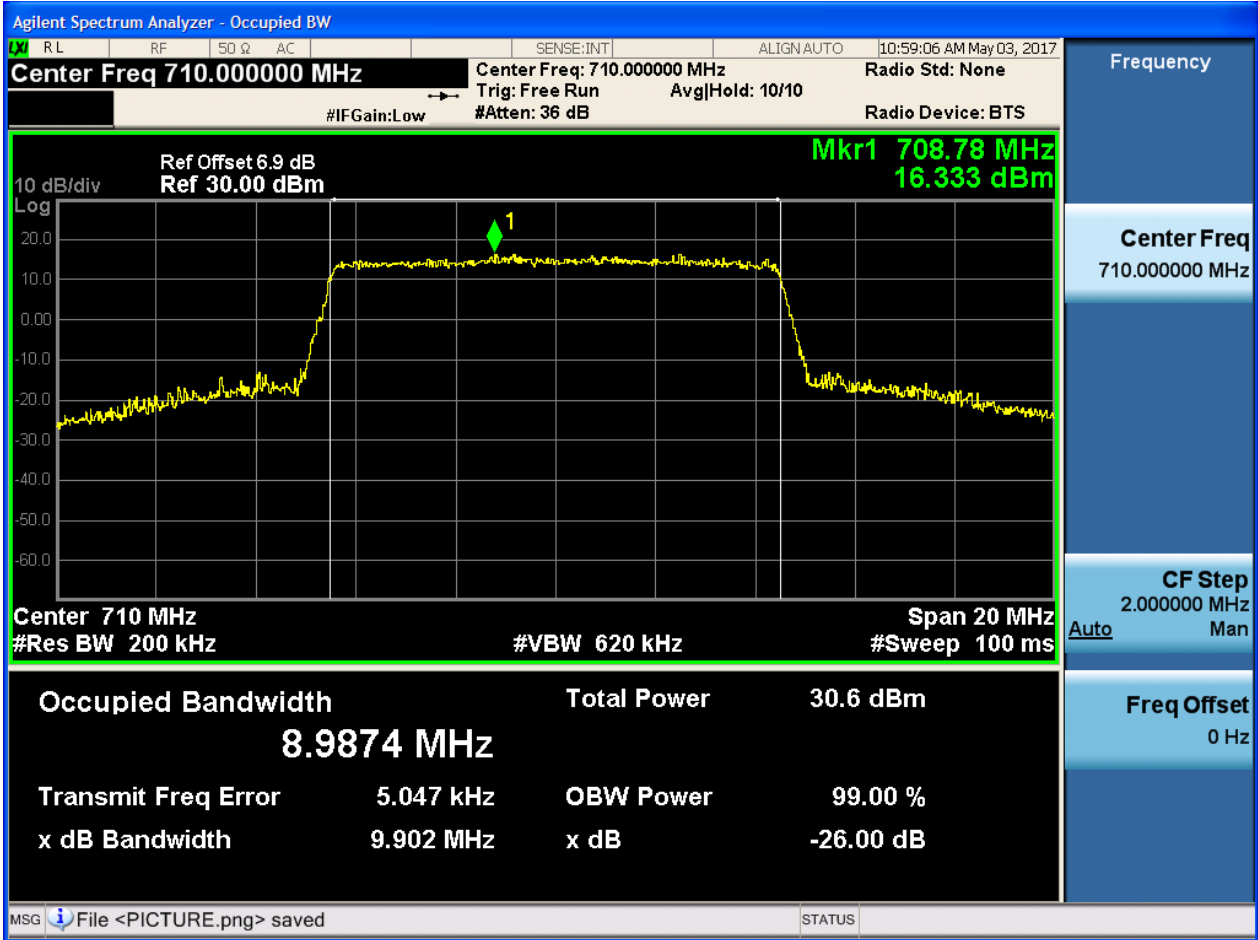
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

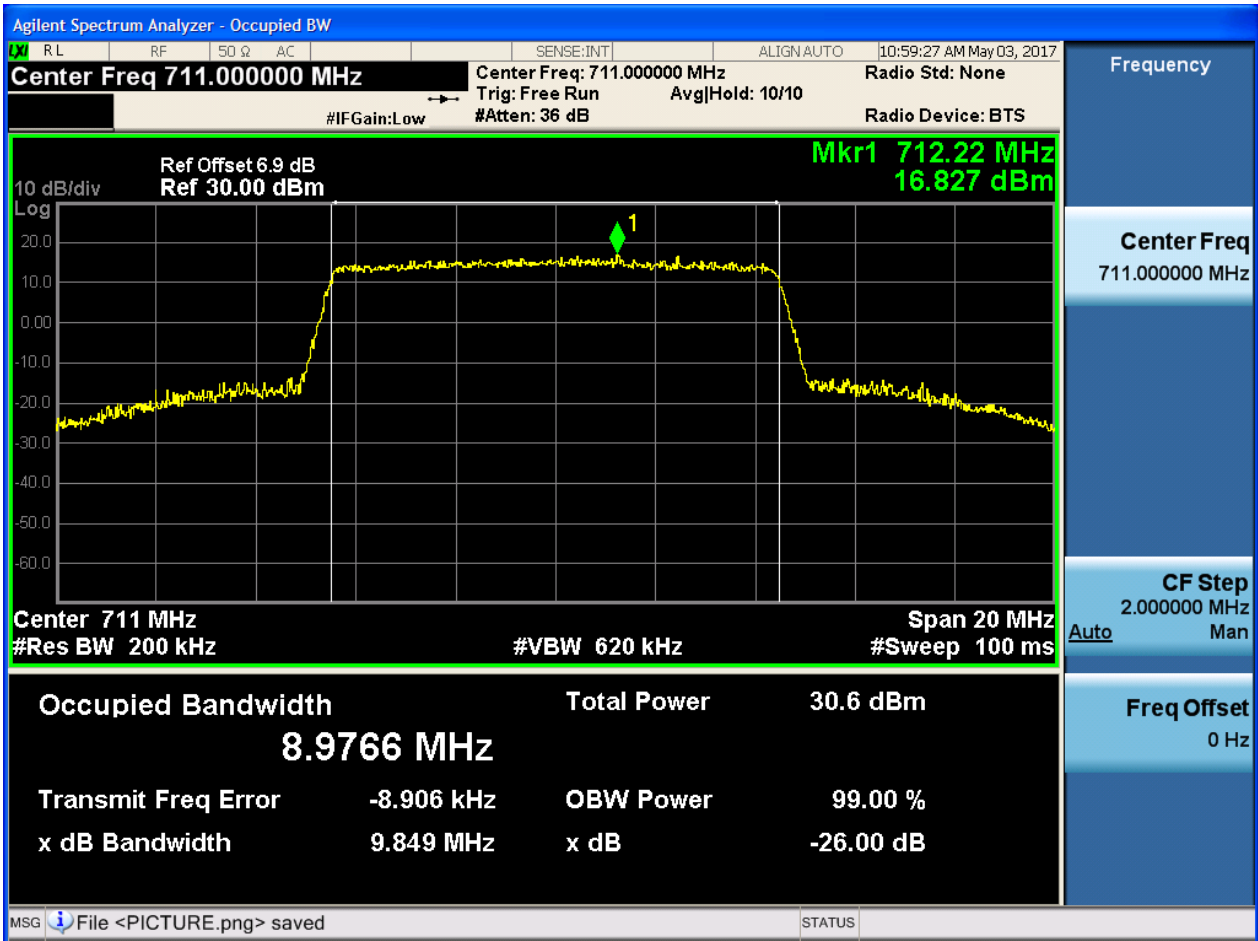
4.1.1.2.2.2.1 Test RB = RB50#0





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

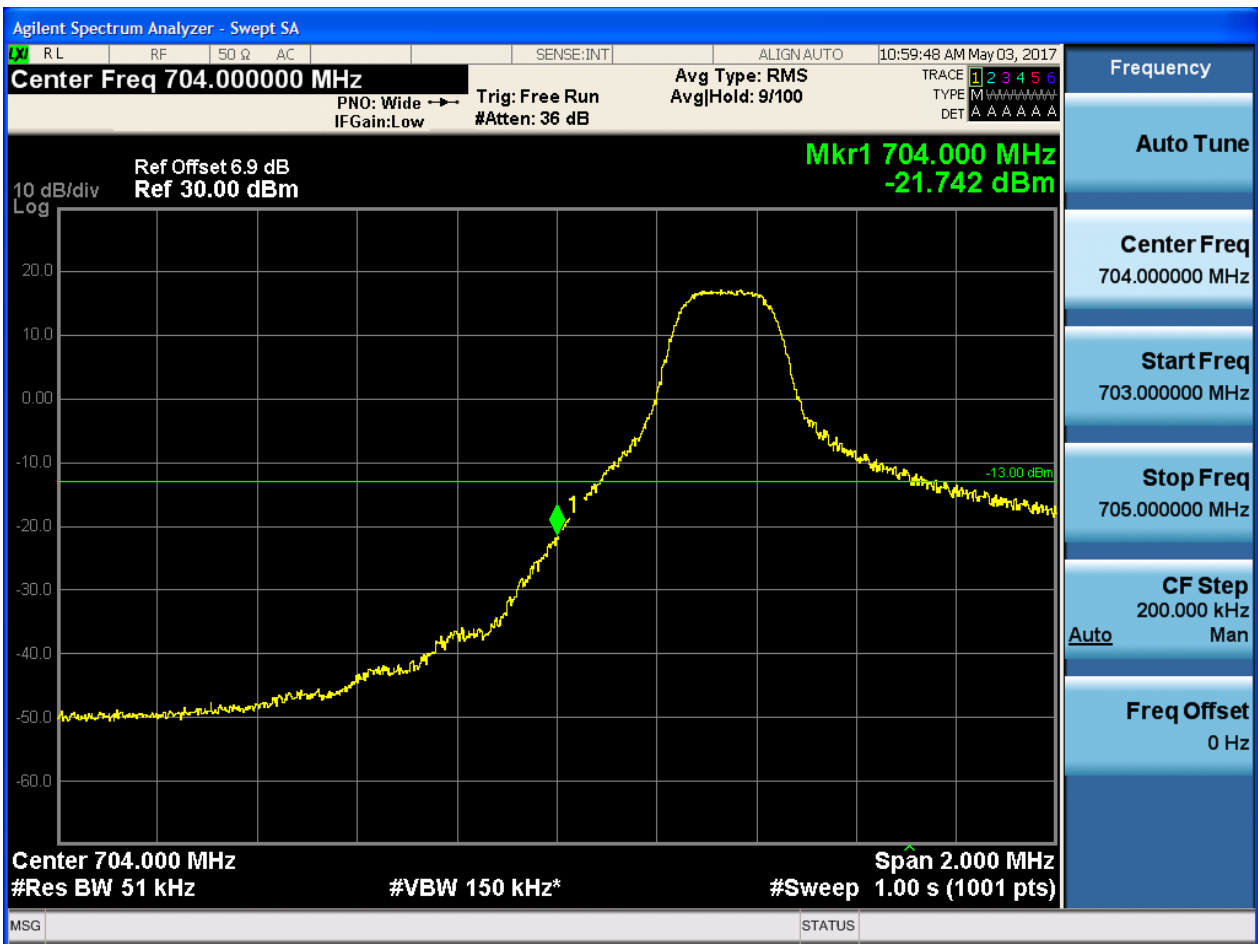
5.1.1 Test Band = BAND17

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



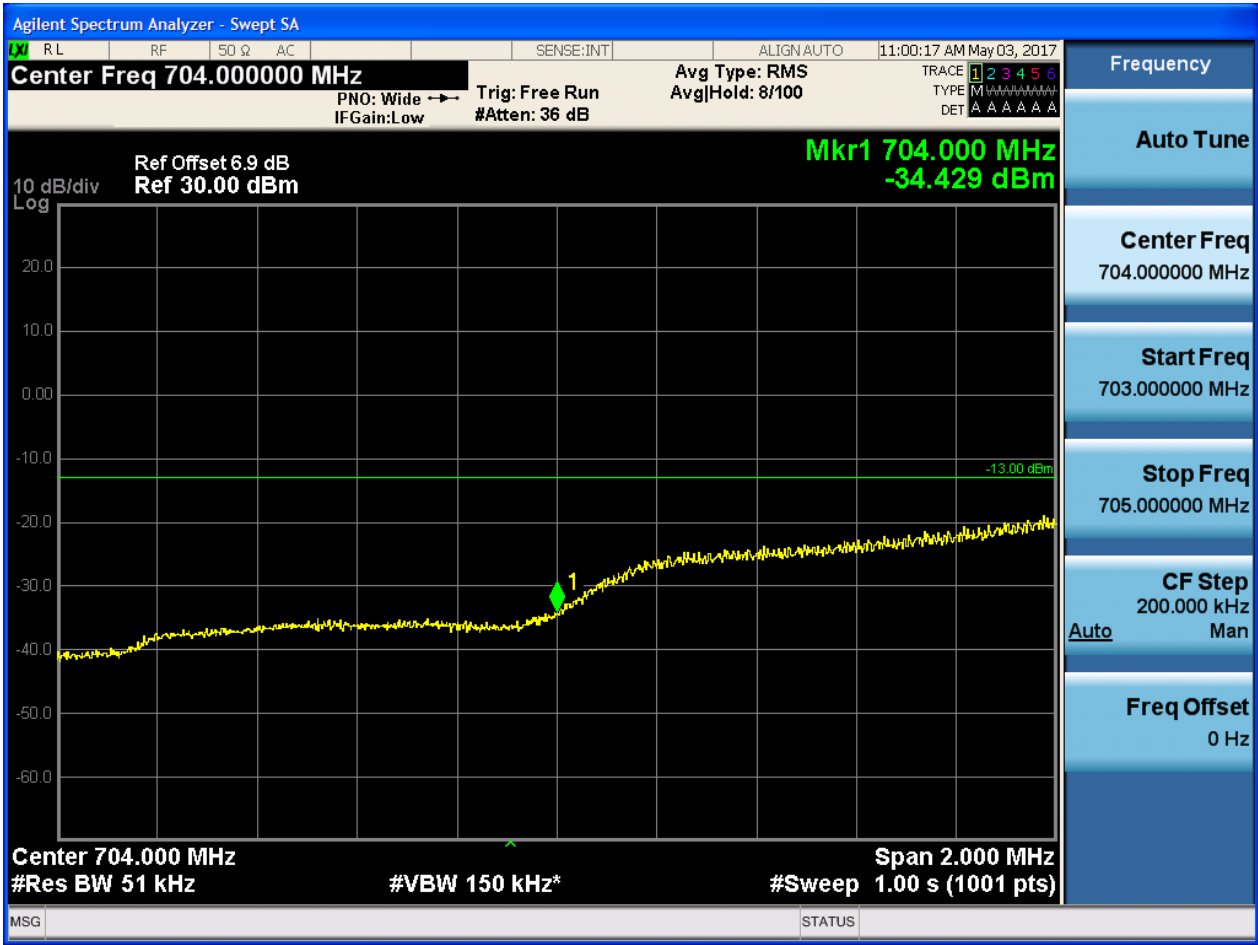


5.1.1.1.1.2 Test RB = RB1#24



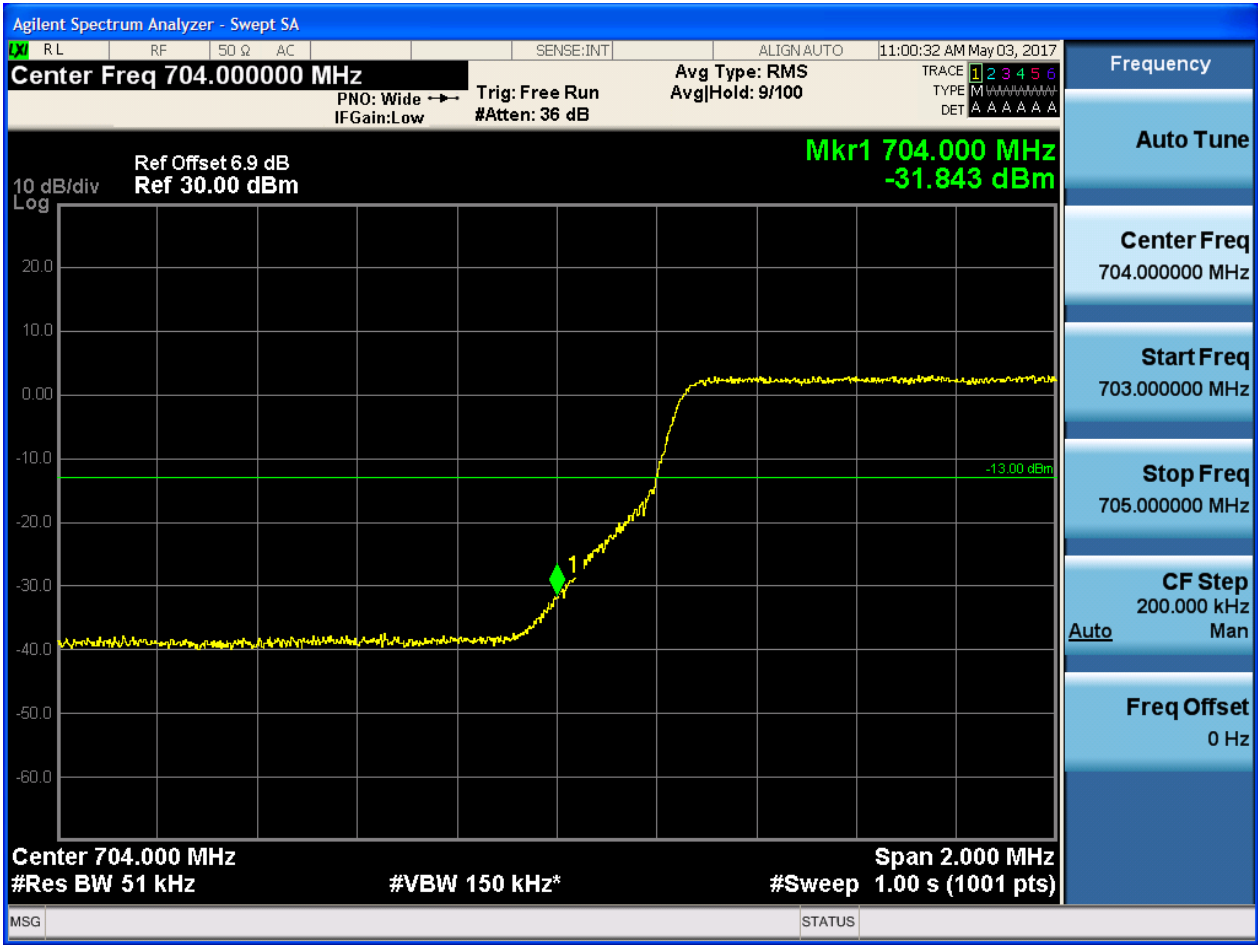


5.1.1.1.1.3 Test RB = RB12#6





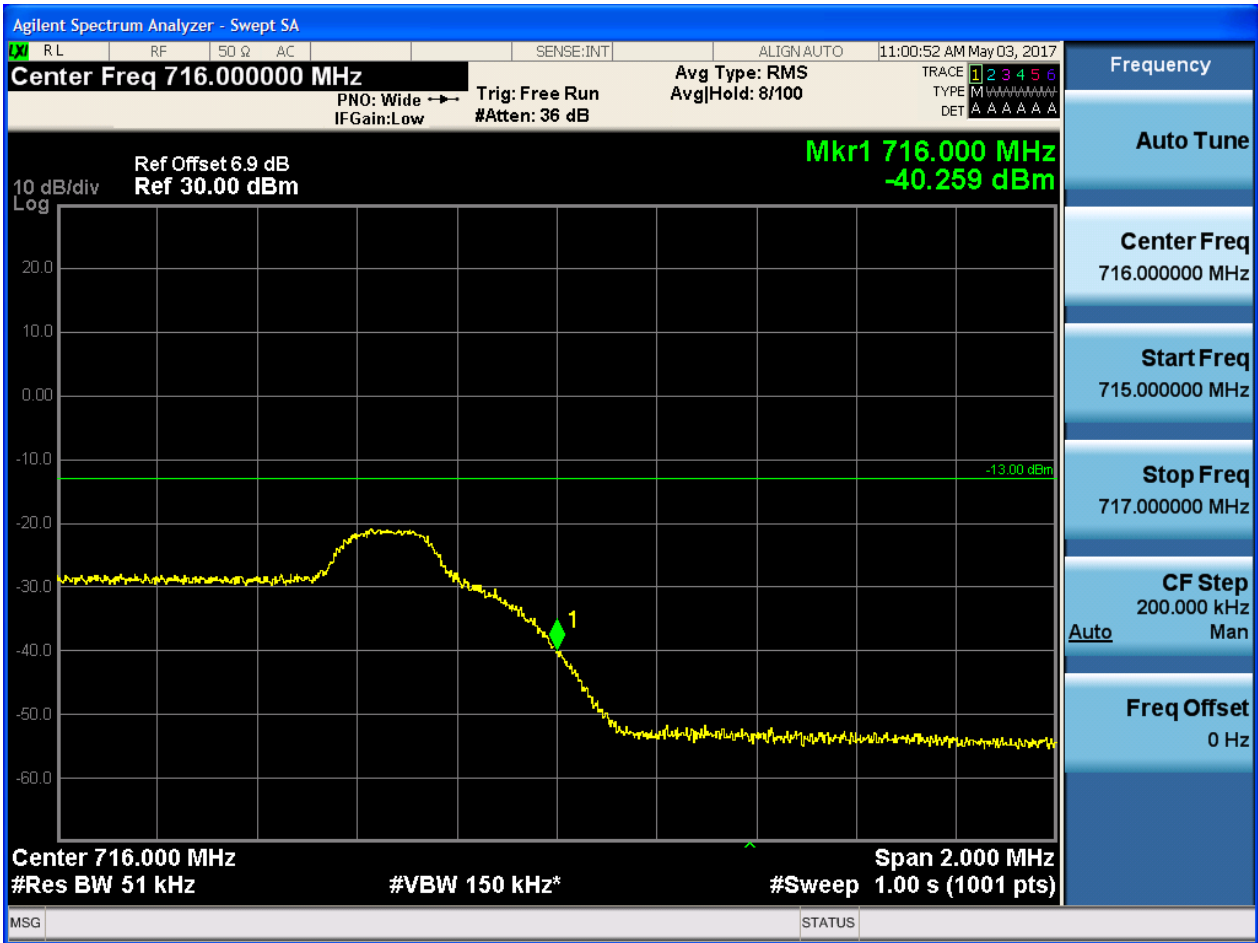
5.1.1.1.1.4 Test RB = RB25#0





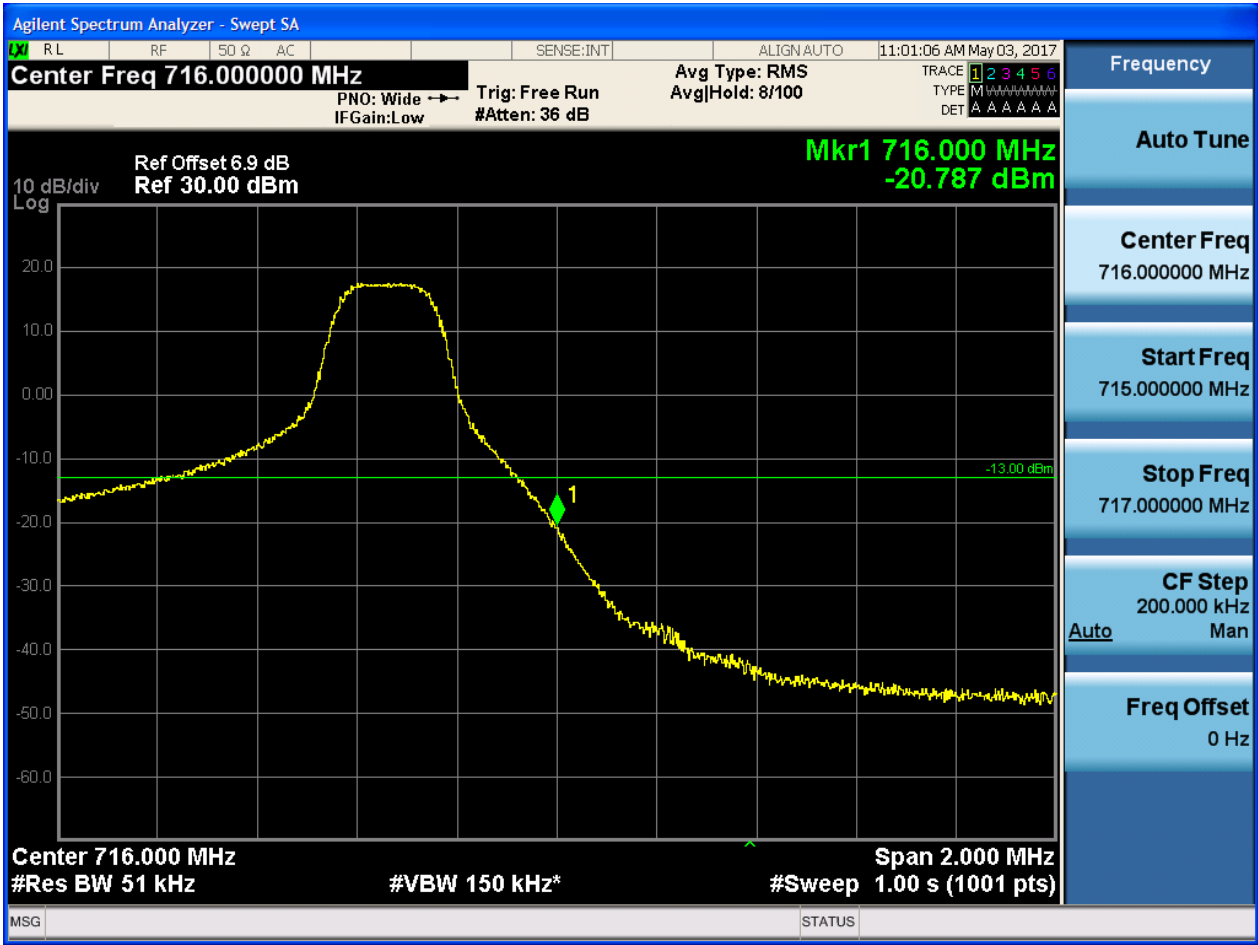
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



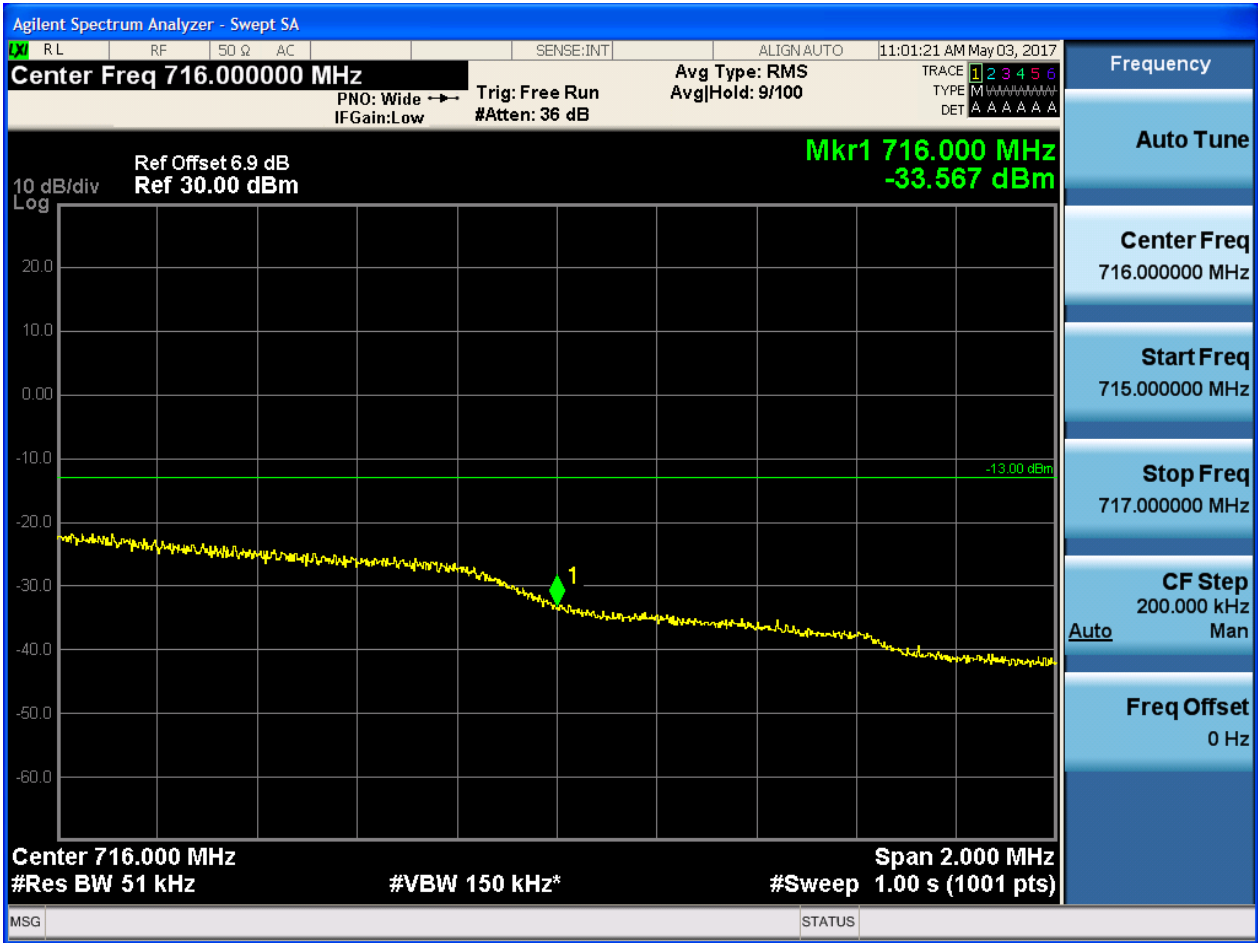


5.1.1.1.1.2.2 Test RB = RB1#24



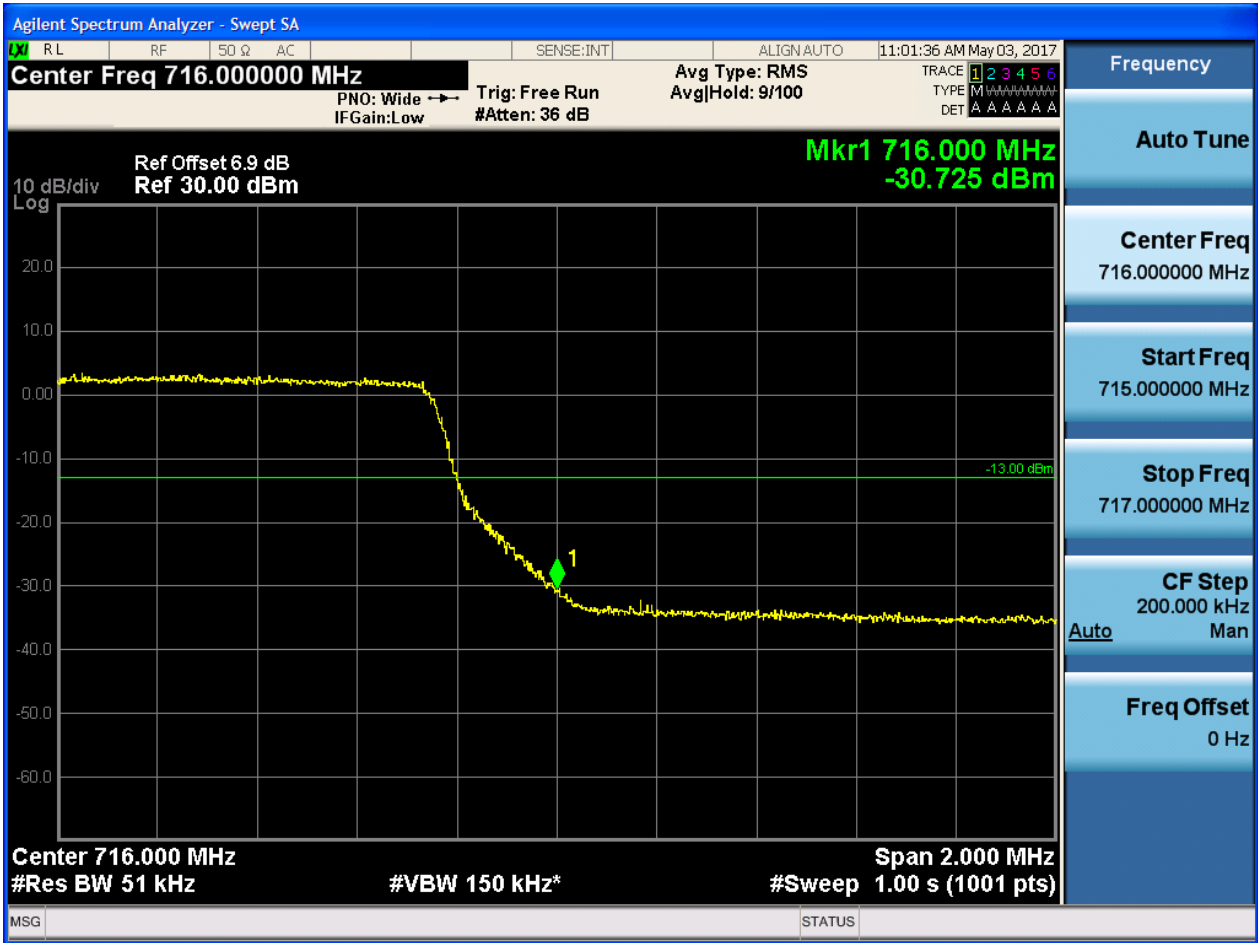


5.1.1.1.1.2.3 Test RB = RB12#6





5.1.1.1.2.4 Test RB = RB25#0

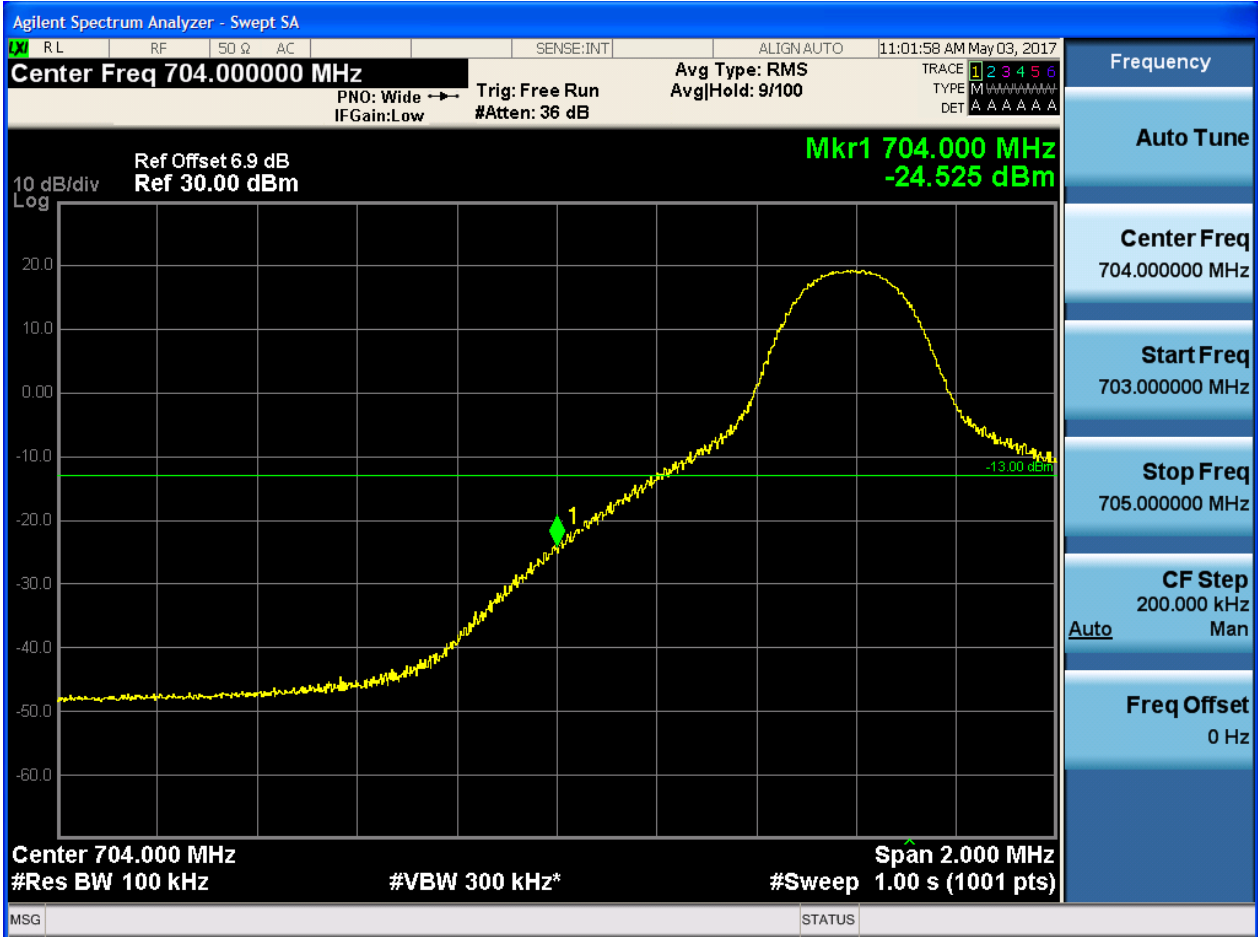




5.1.1.1.2 Test Bandwidth = 10

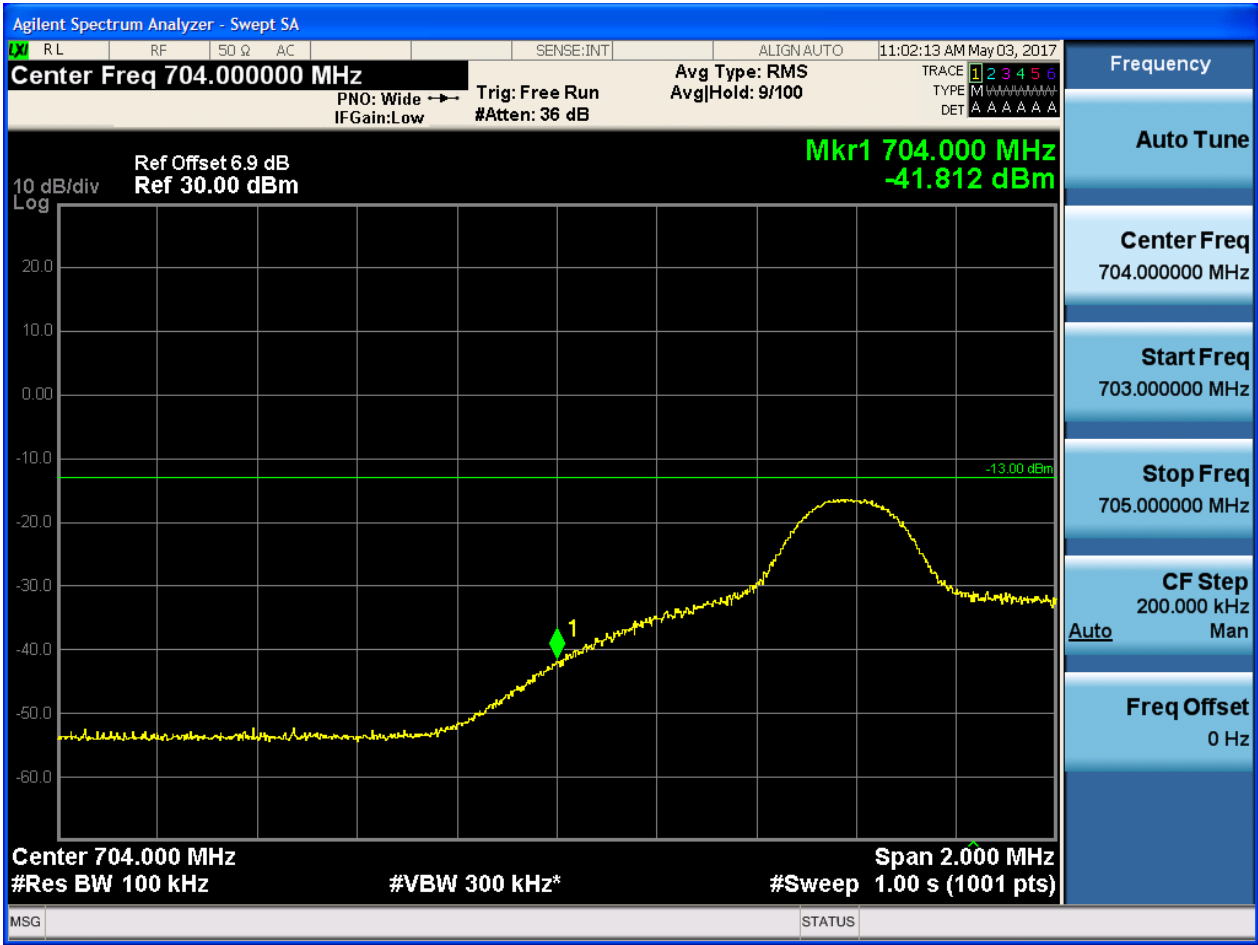
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#49



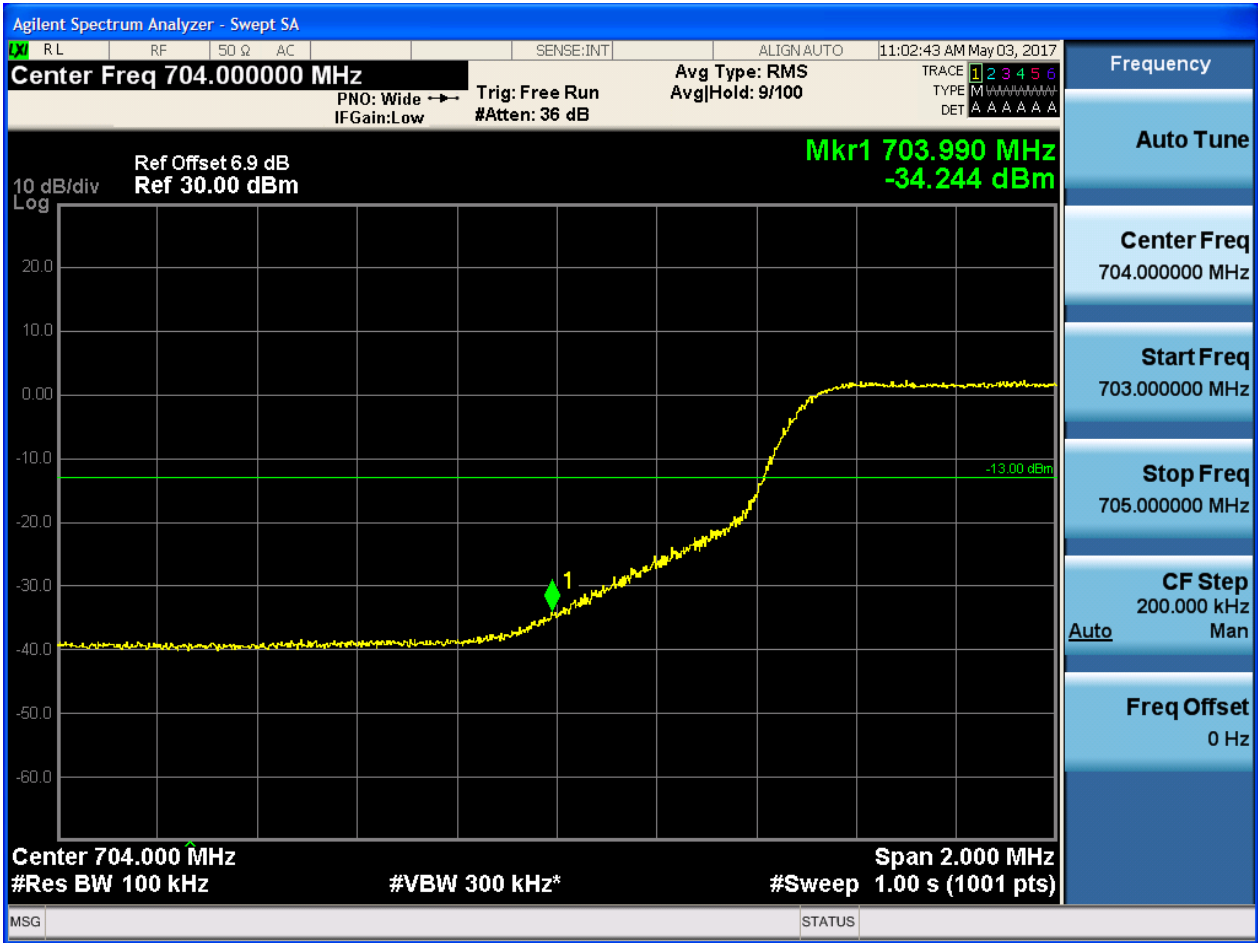


5.1.1.1.2.1.3 Test RB = RB25#13





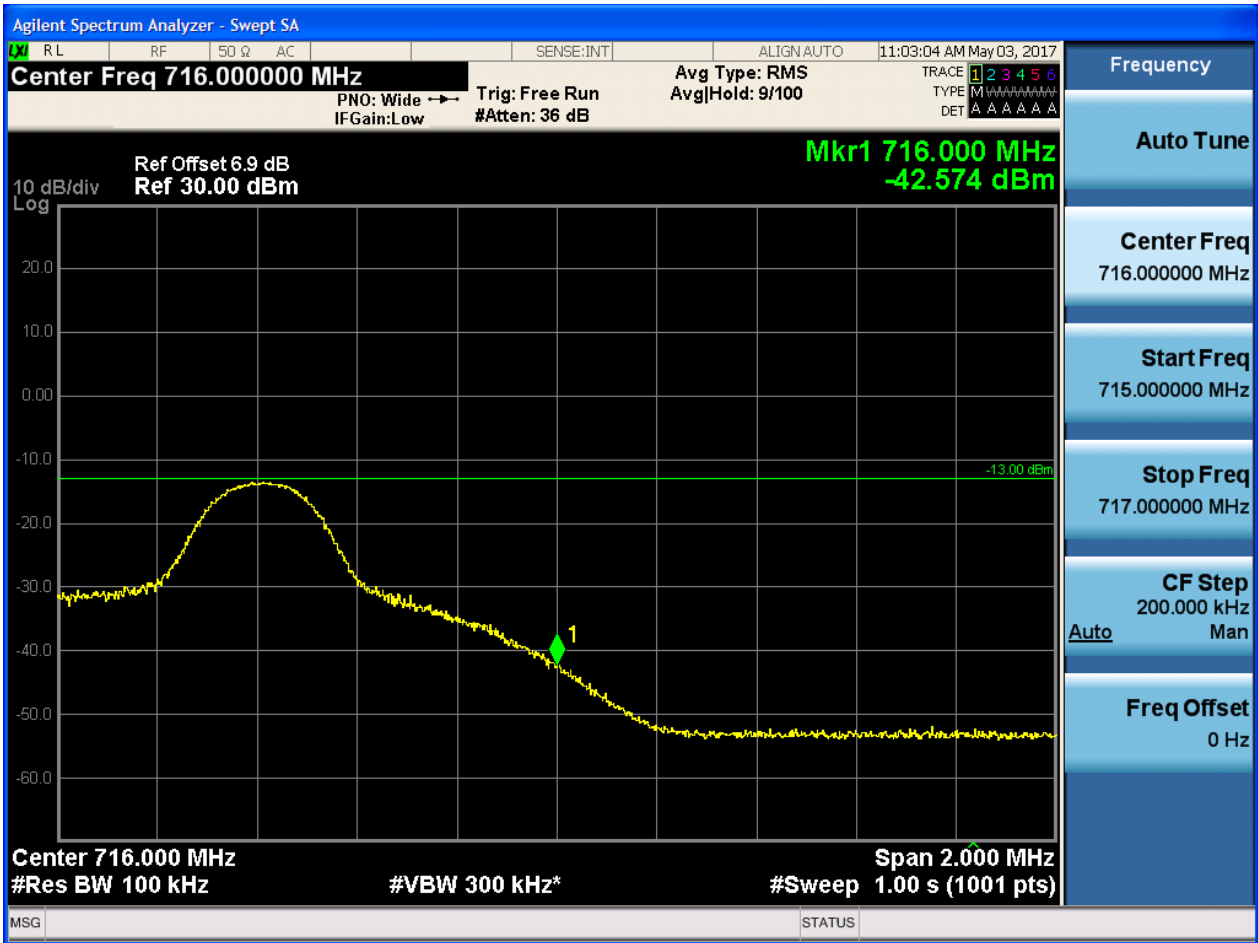
5.1.1.1.2.1.4 Test RB = RB50#0





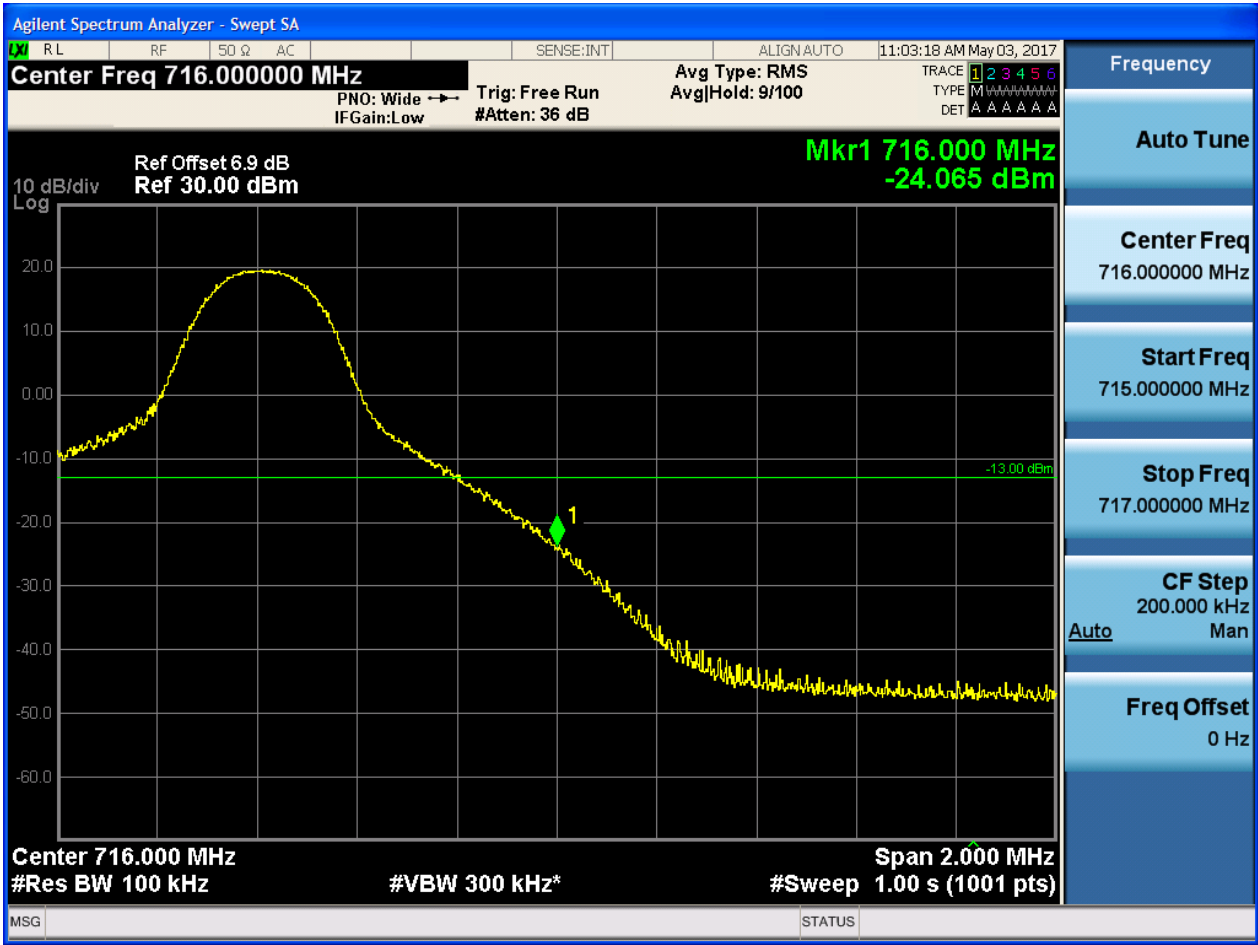
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



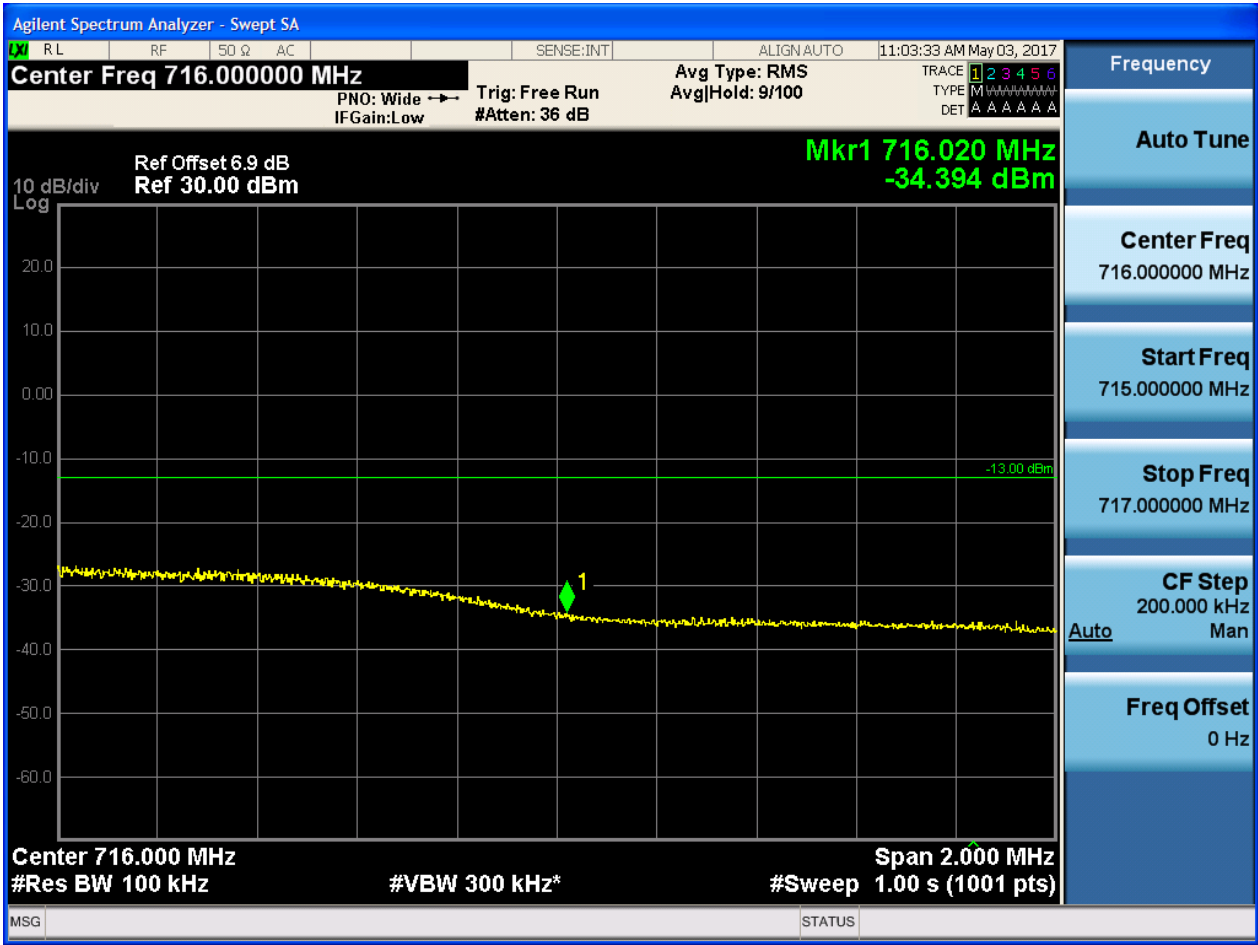


5.1.1.1.2.2.2 Test RB = RB1#49





5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0



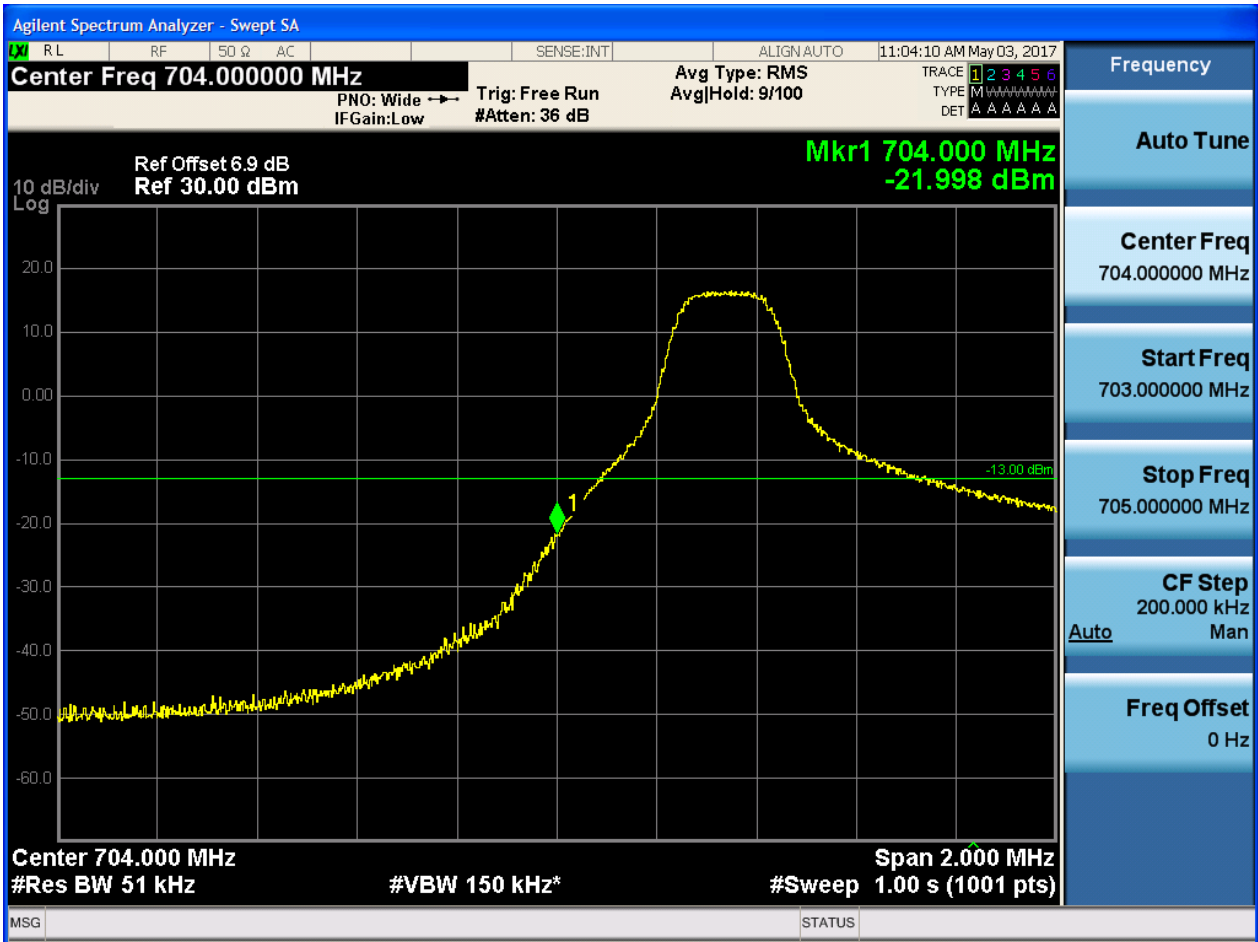


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

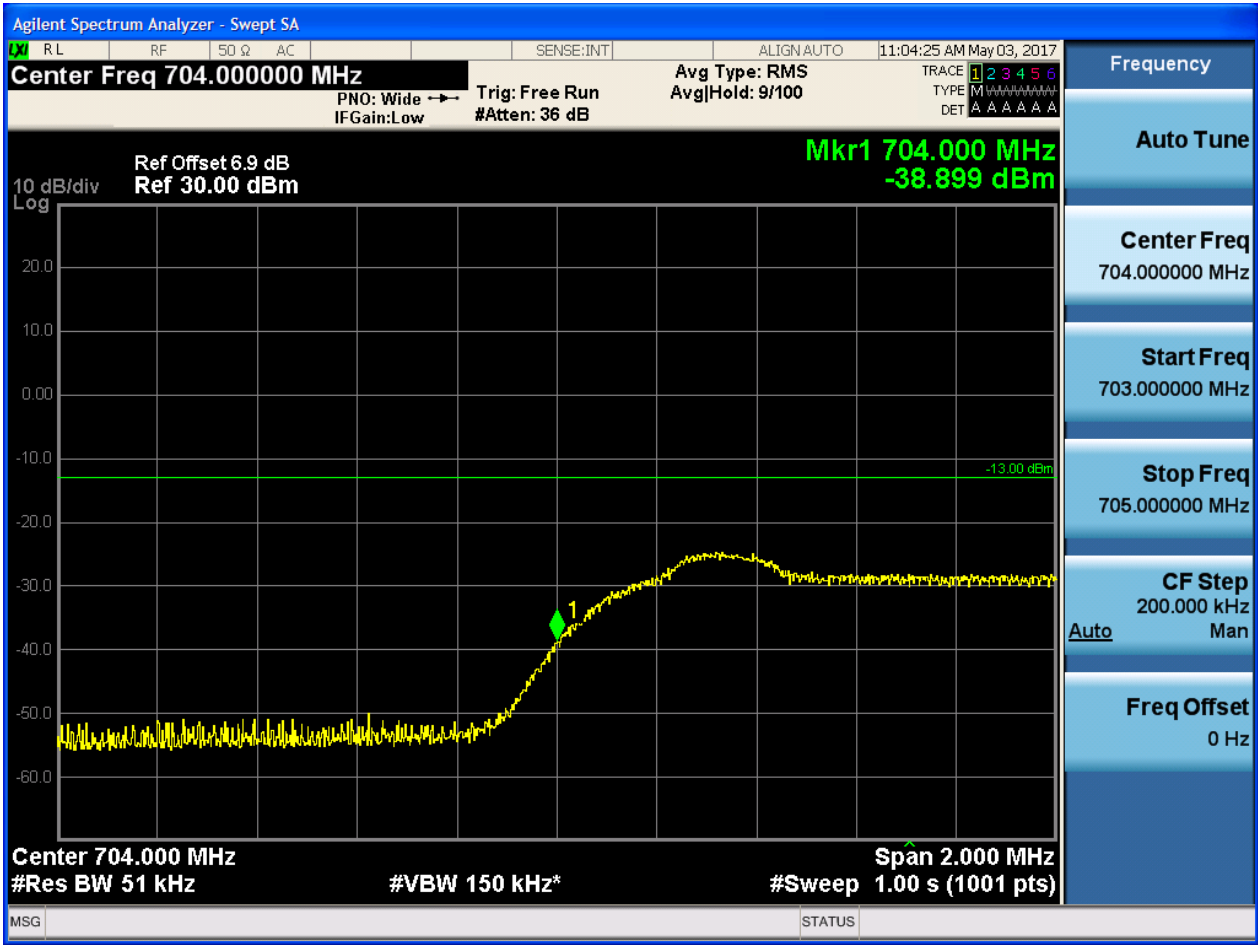
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#24



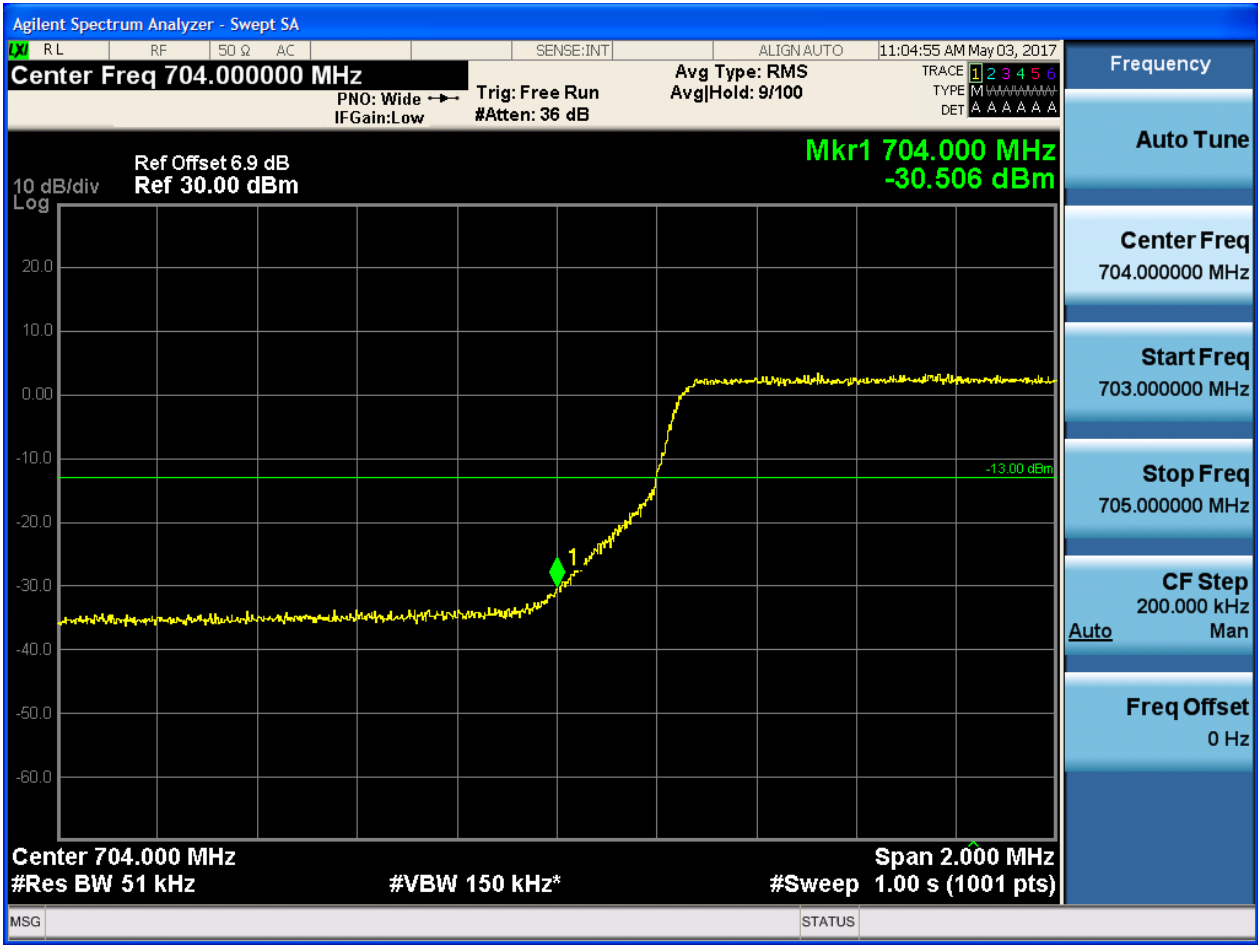


5.1.1.2.1.1.3 Test RB = RB12#6





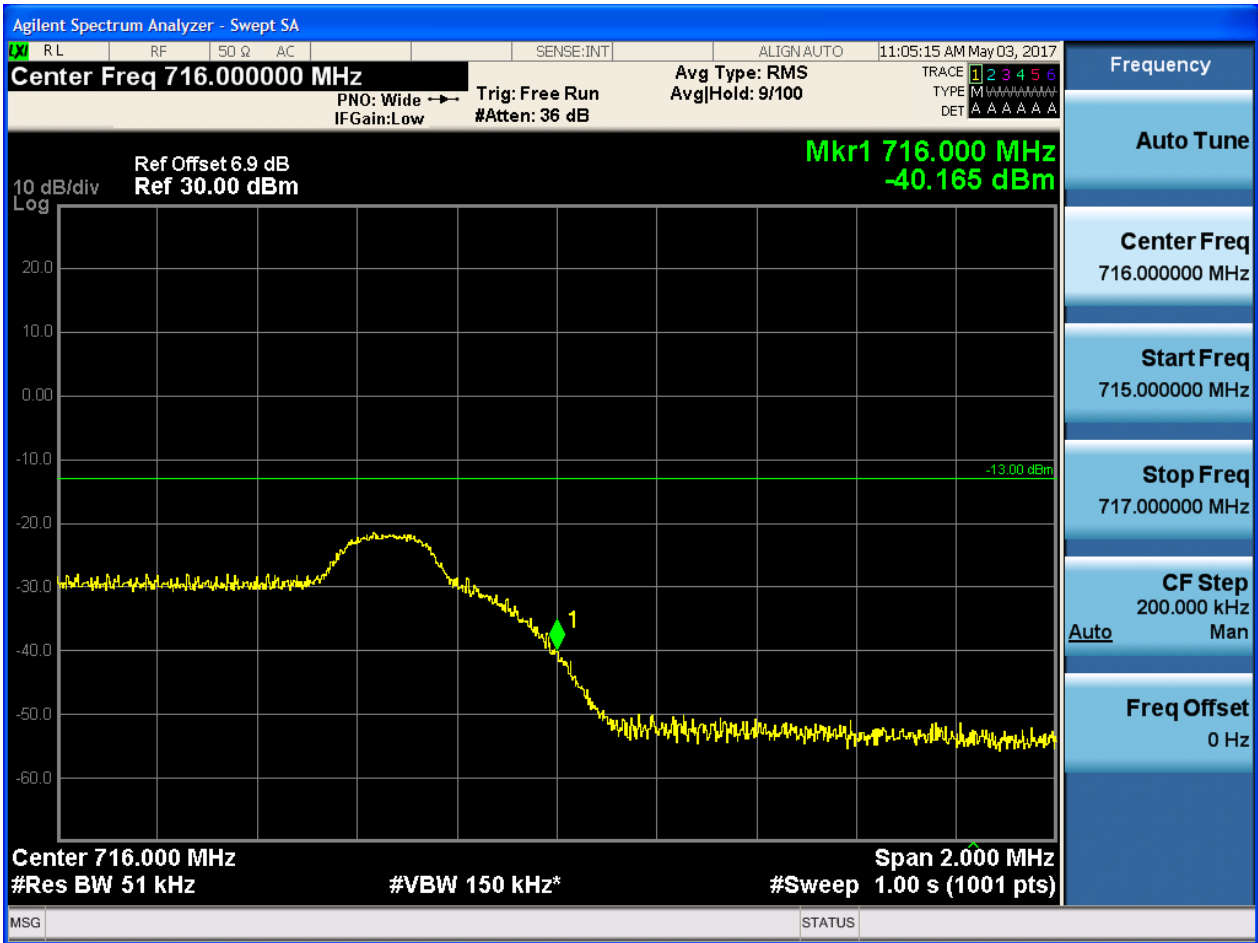
5.1.1.2.1.1.4 Test RB = RB25#0





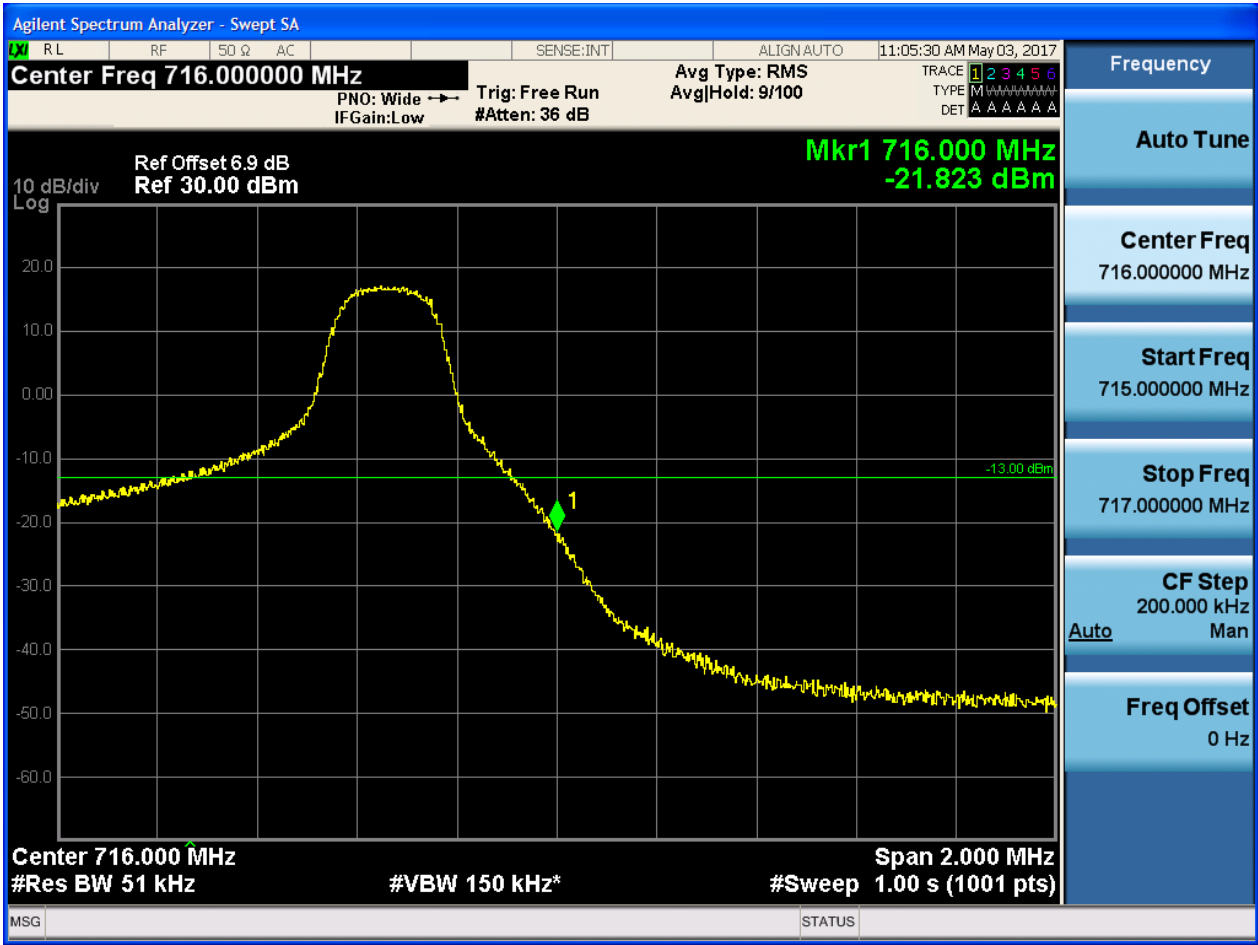
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



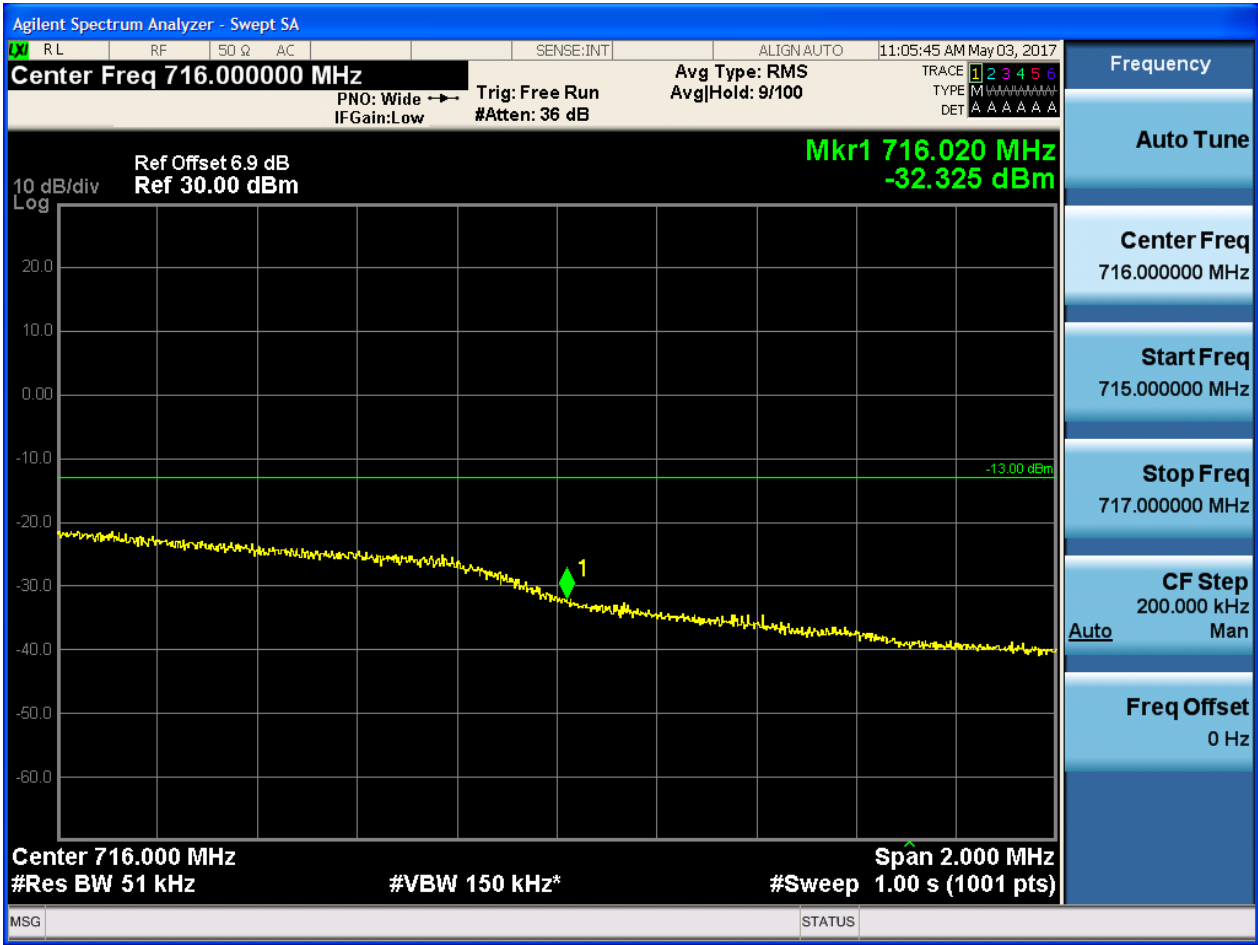


5.1.1.2.1.2.2 Test RB = RB1#24



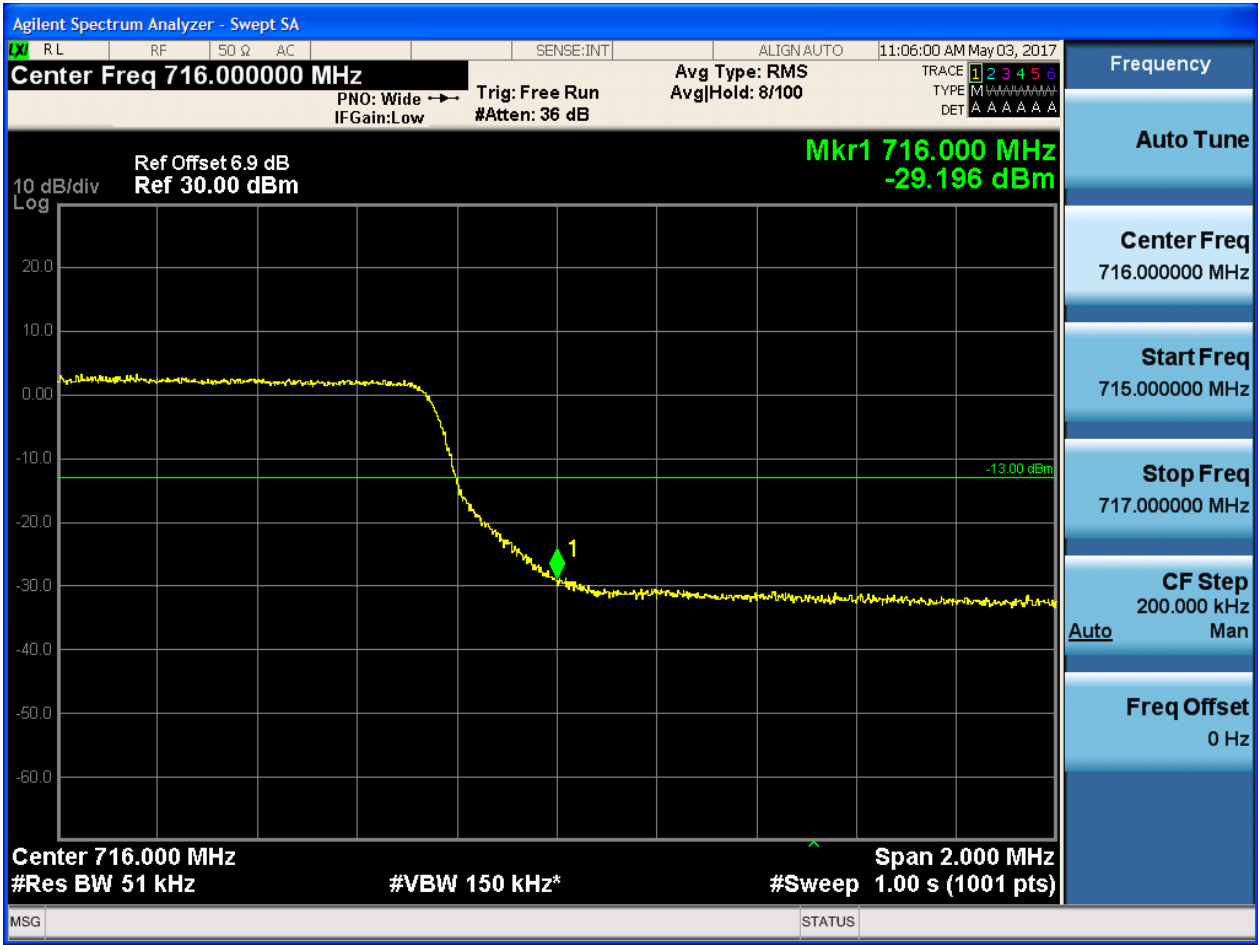


5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

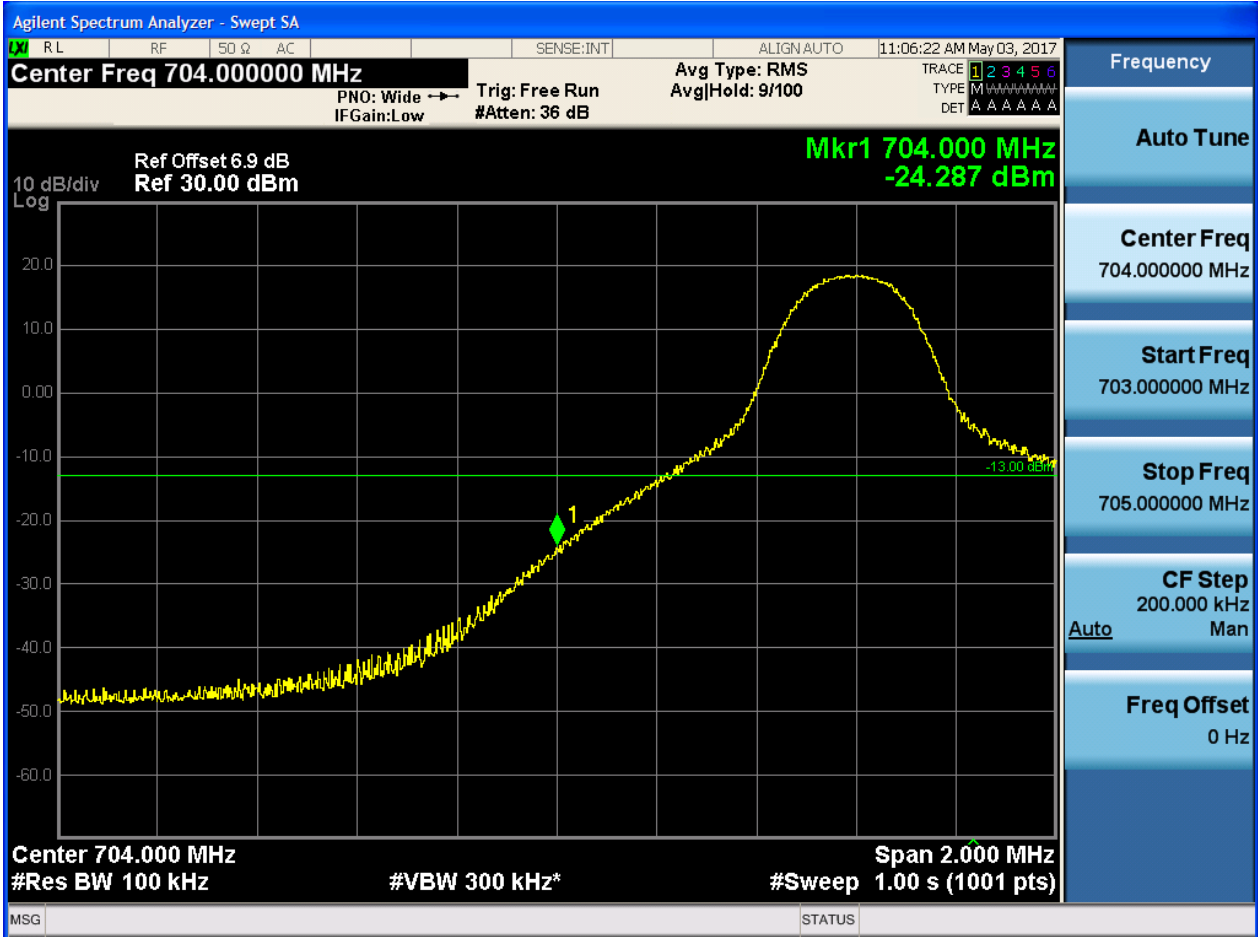




5.1.1.2.2 Test Bandwidth = 10

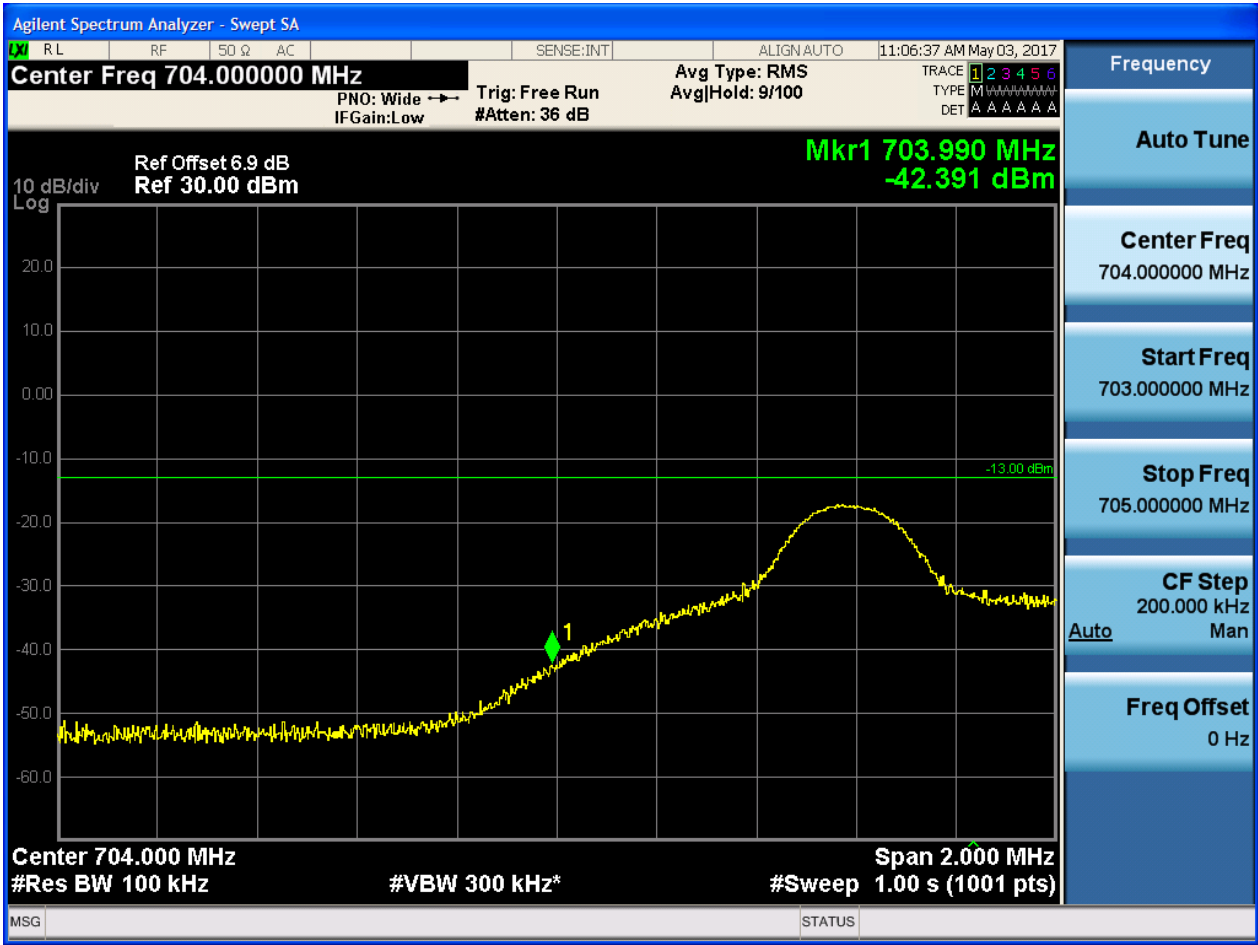
5.1.1.2.2.1 Test Channel = LCH

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





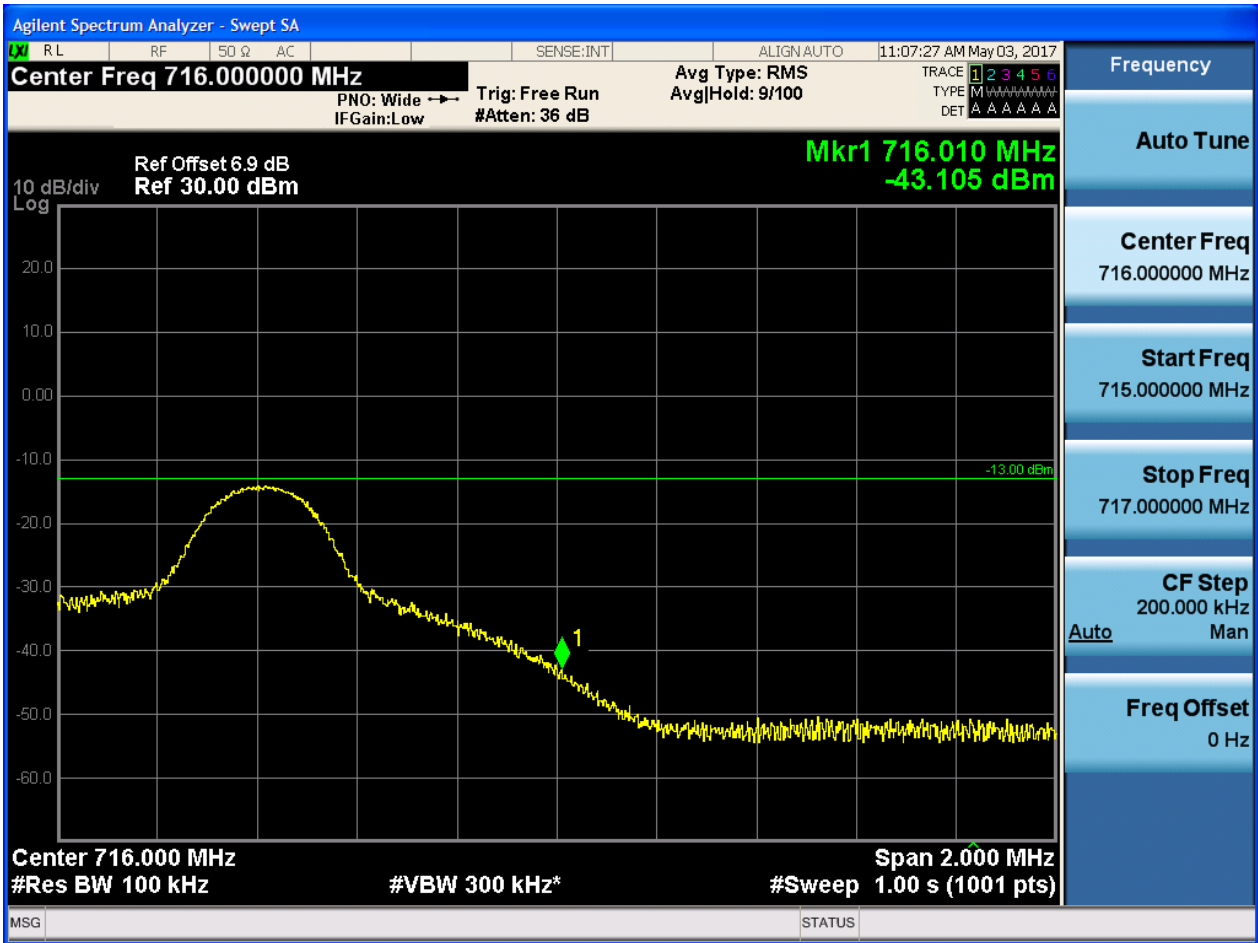
5.1.1.2.2.1.4 Test RB = RB50#0





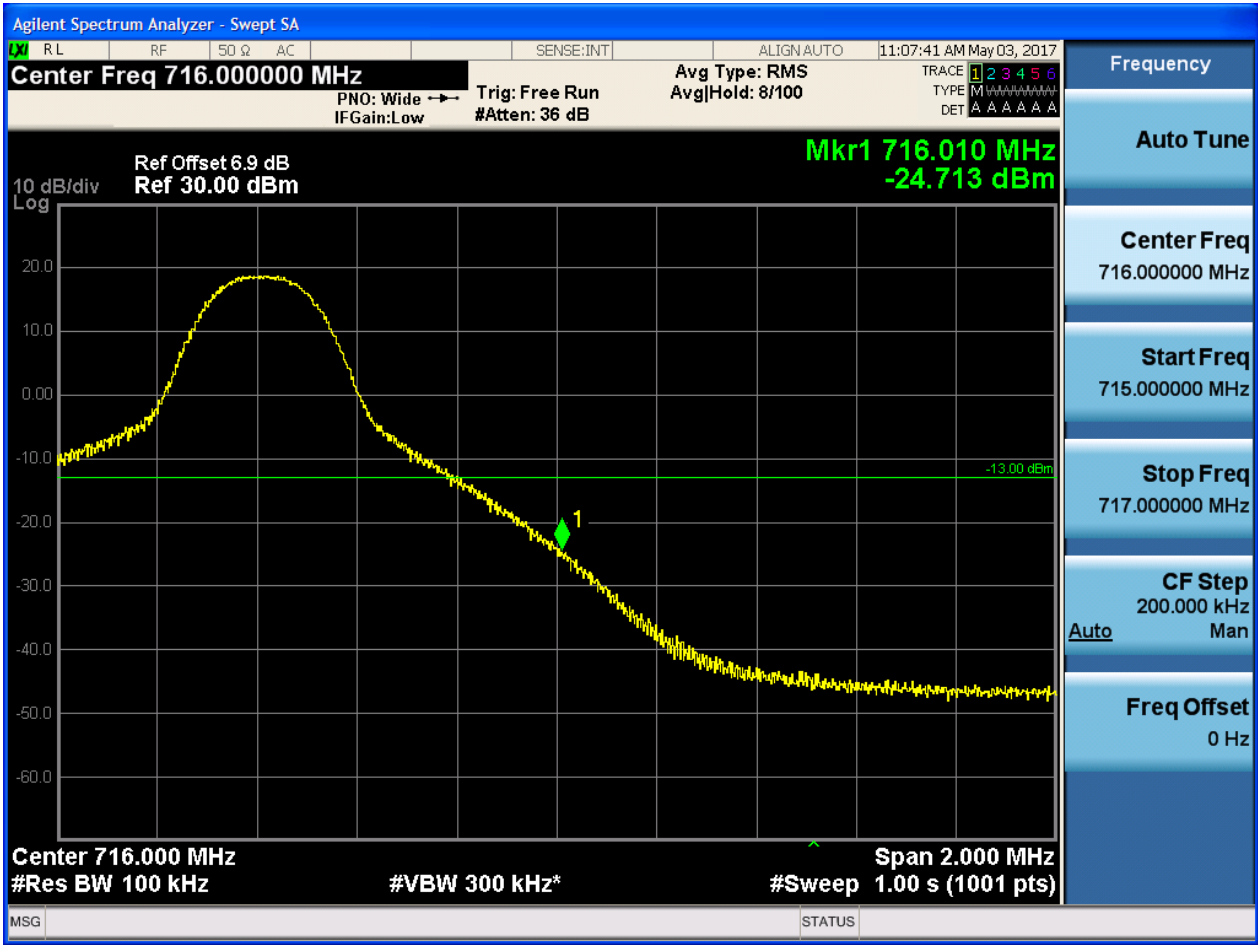
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



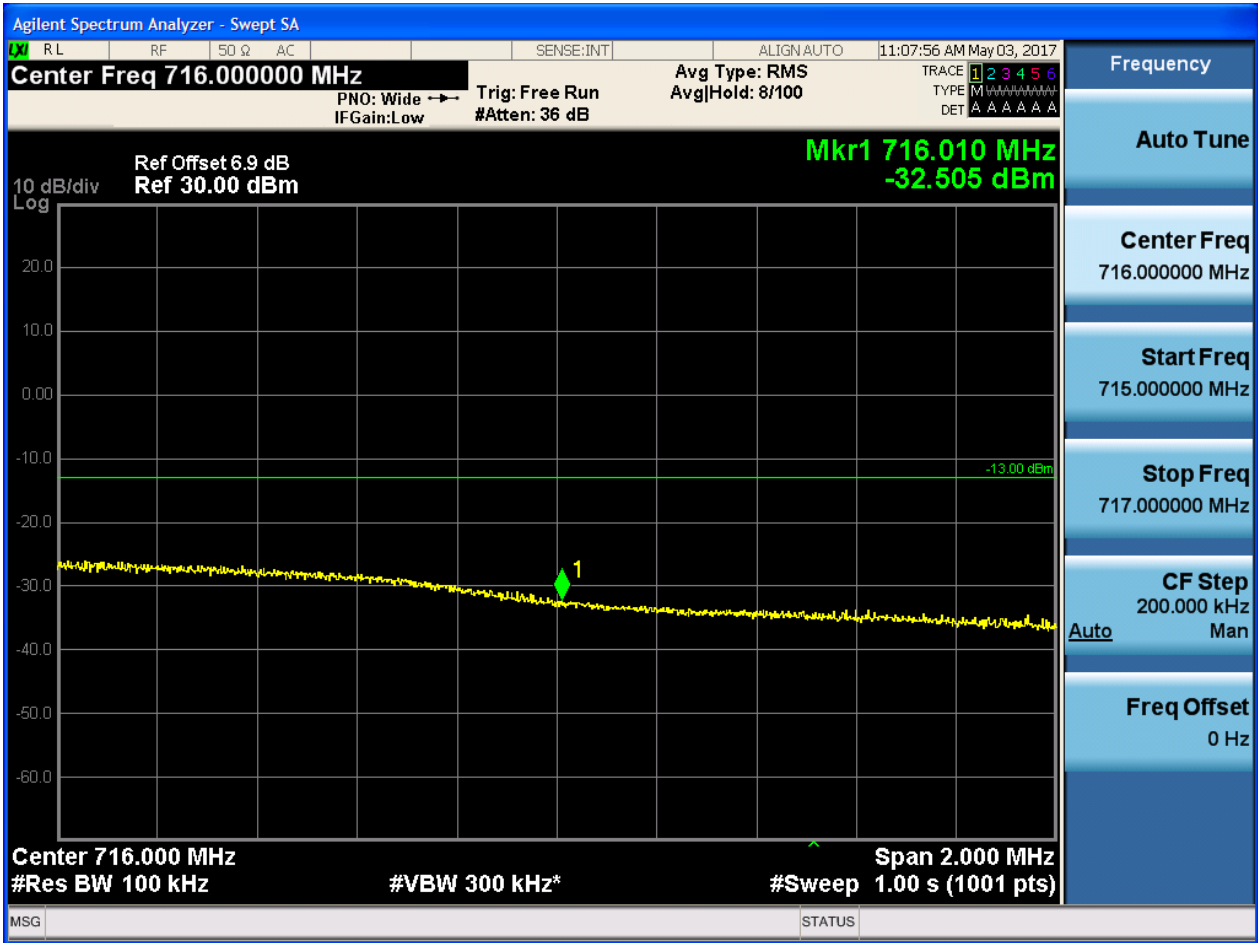


5.1.1.2.2.2 Test RB = RB1#49



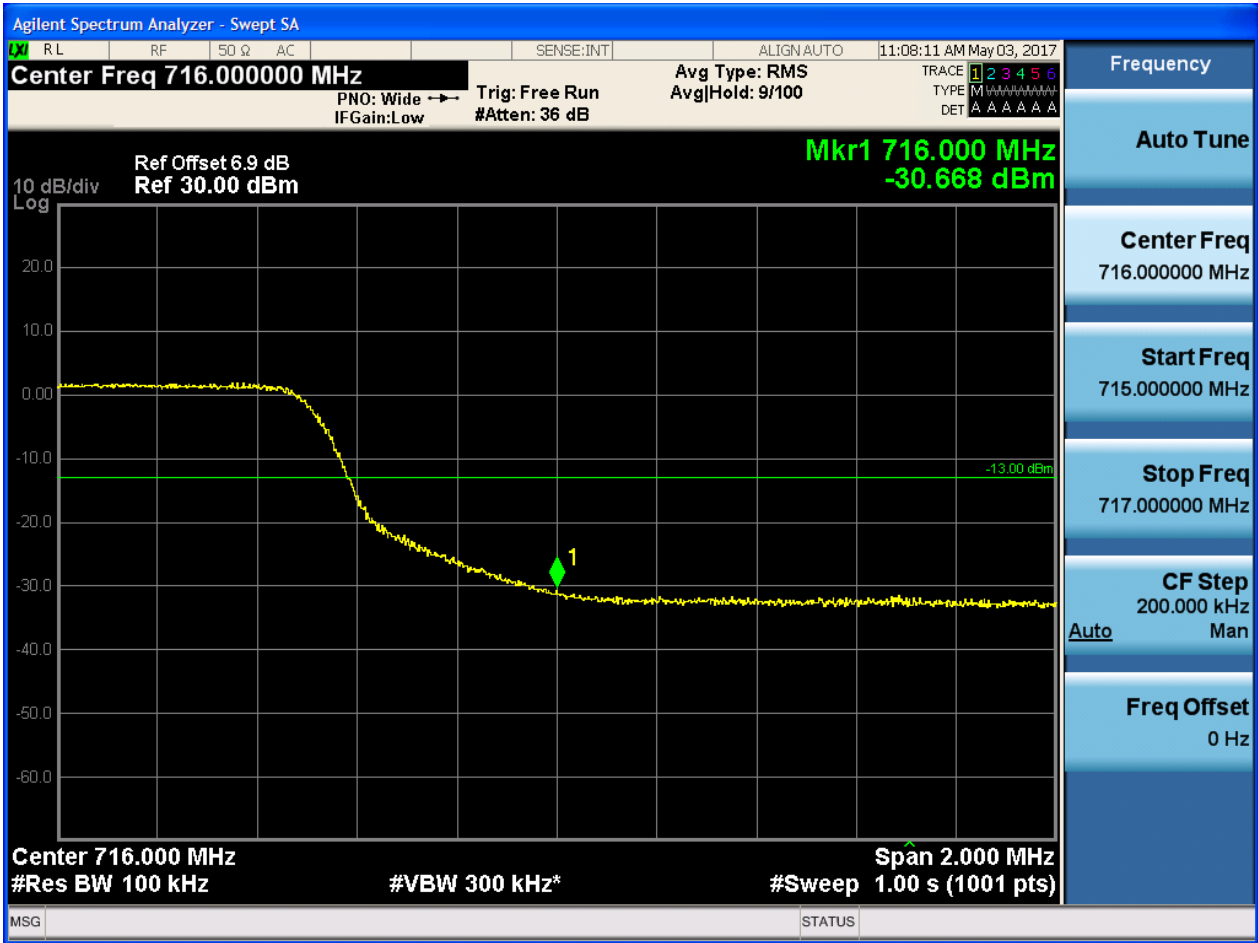


5.1.1.2.2.3 Test RB = RB25#13





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

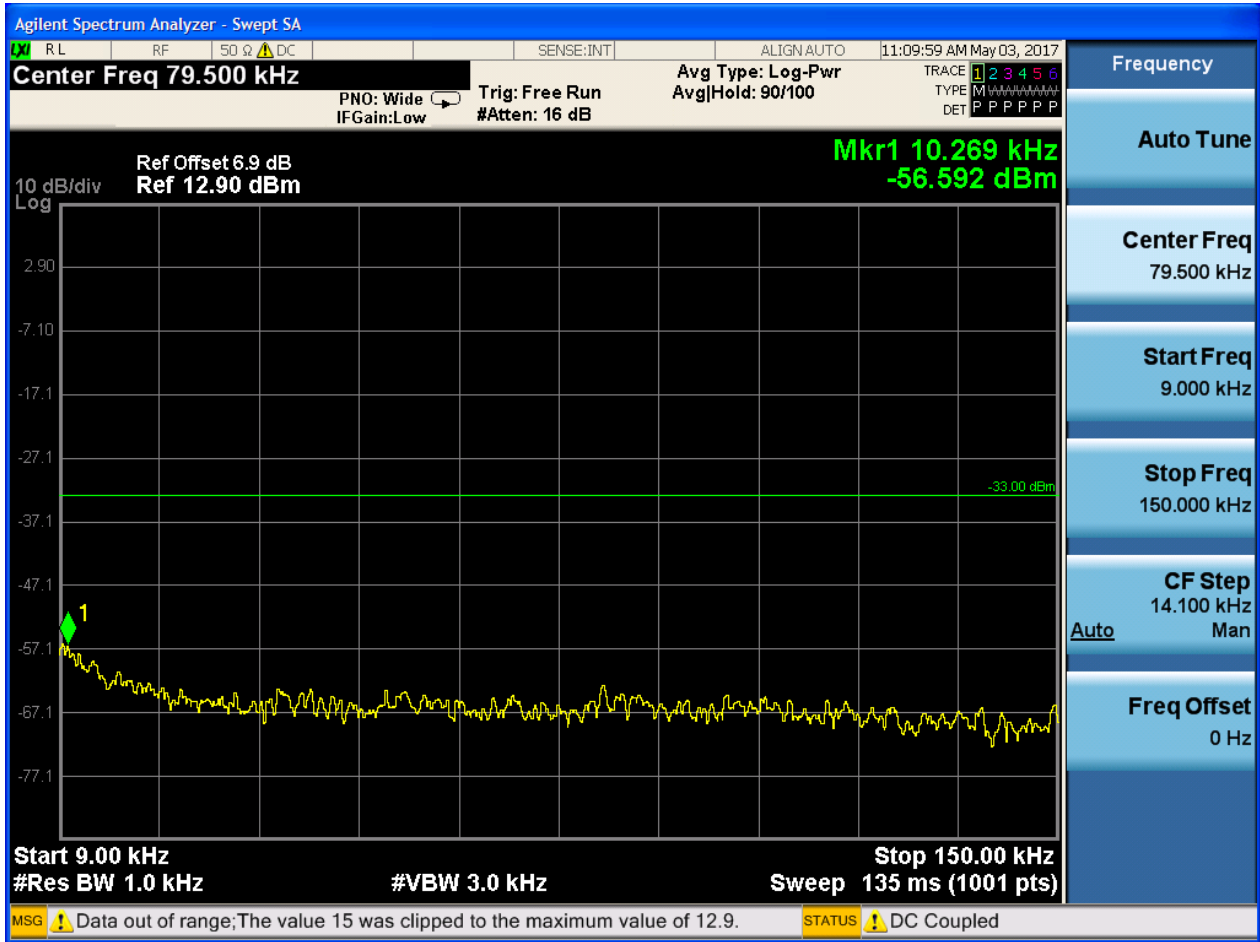
6.1.1 Test Band = BAND17

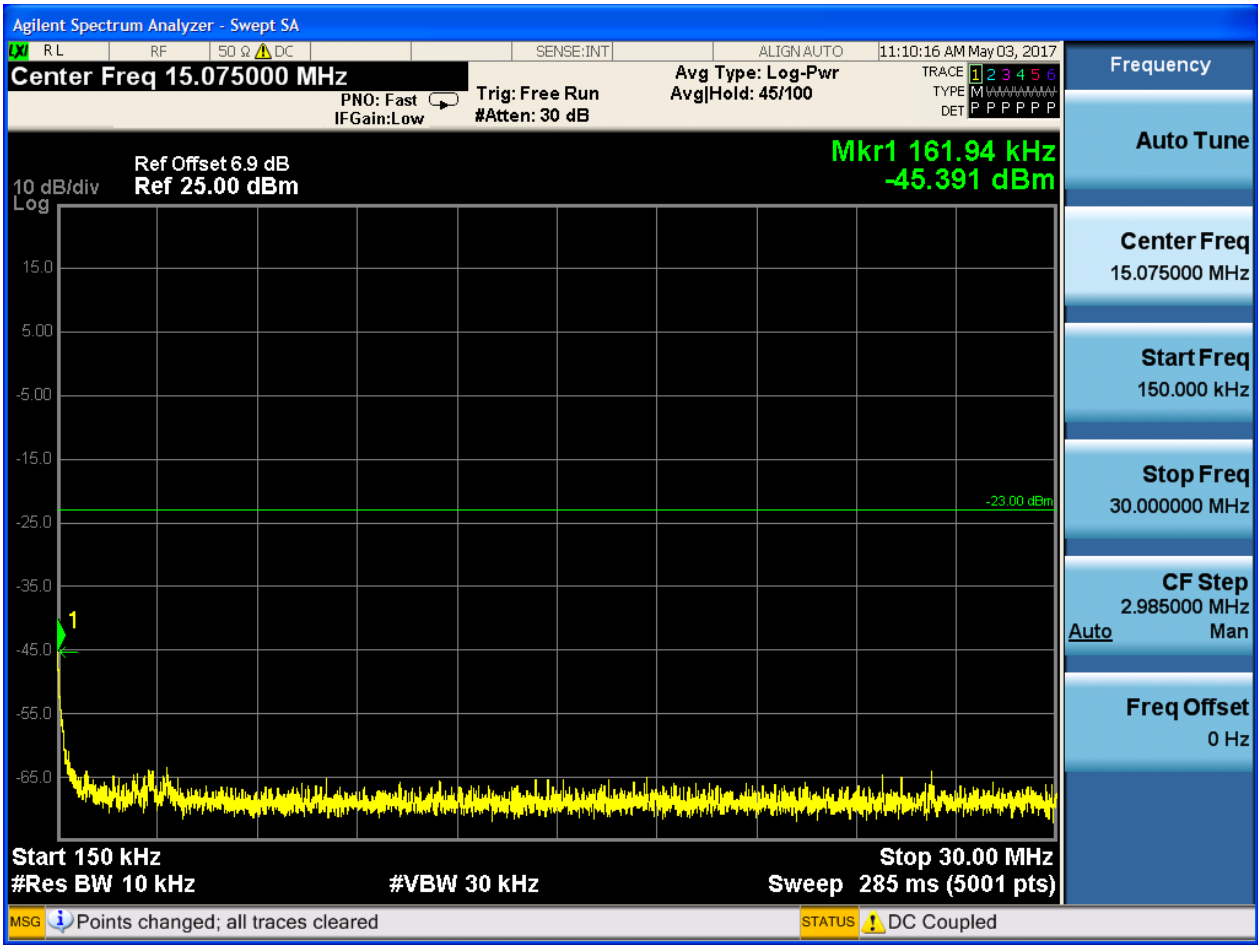
6.1.1.1 Test Mode = LTE/TM1

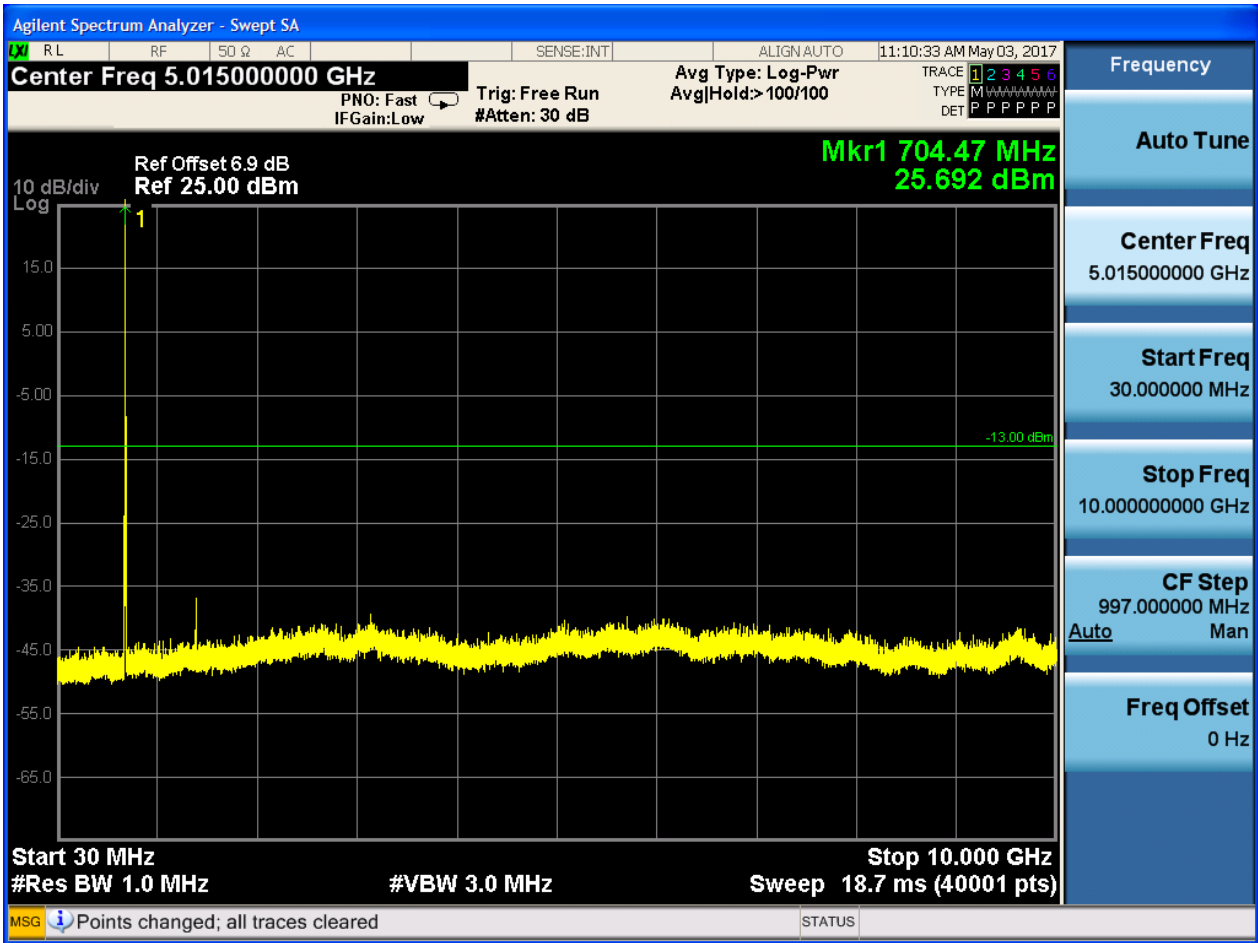
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



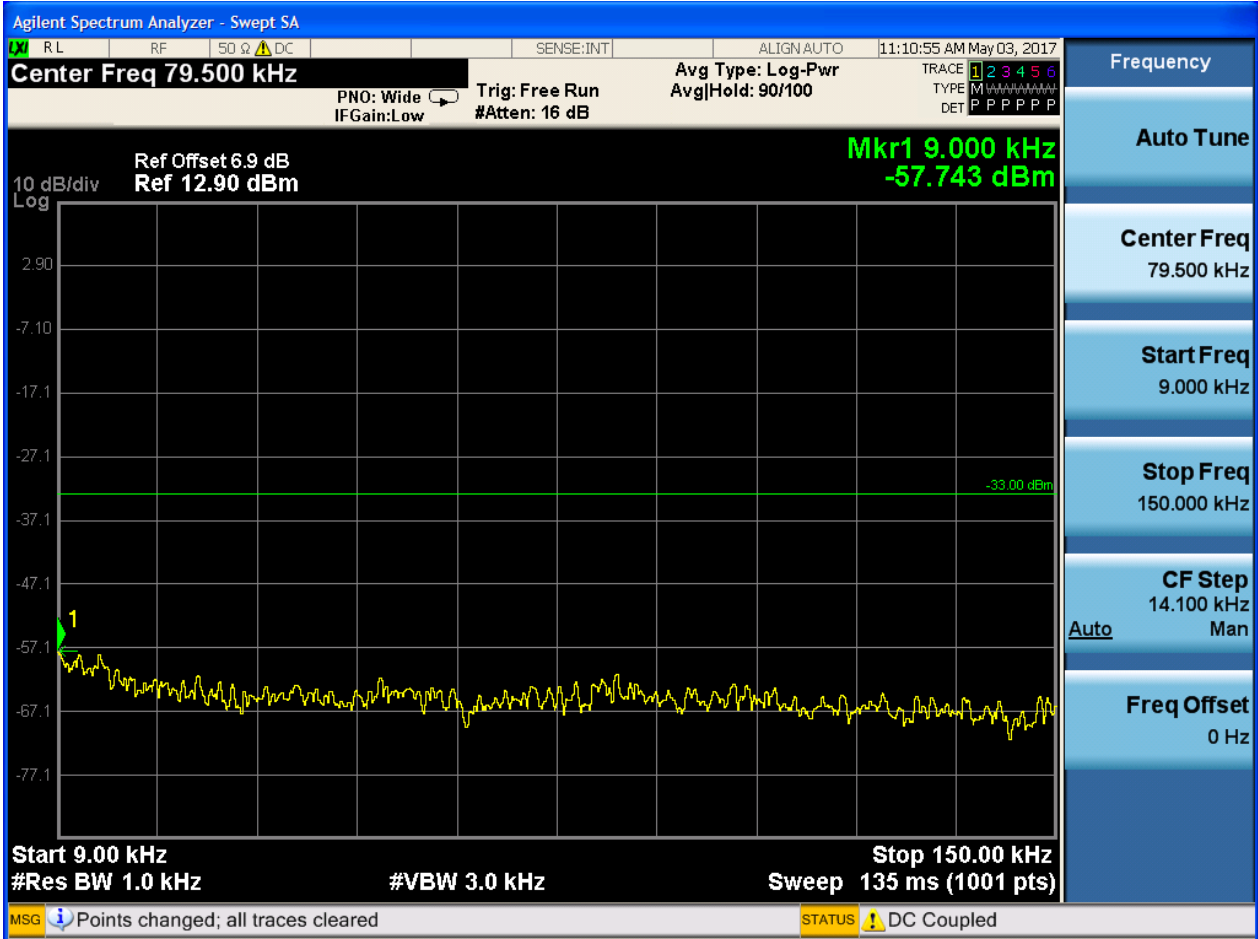


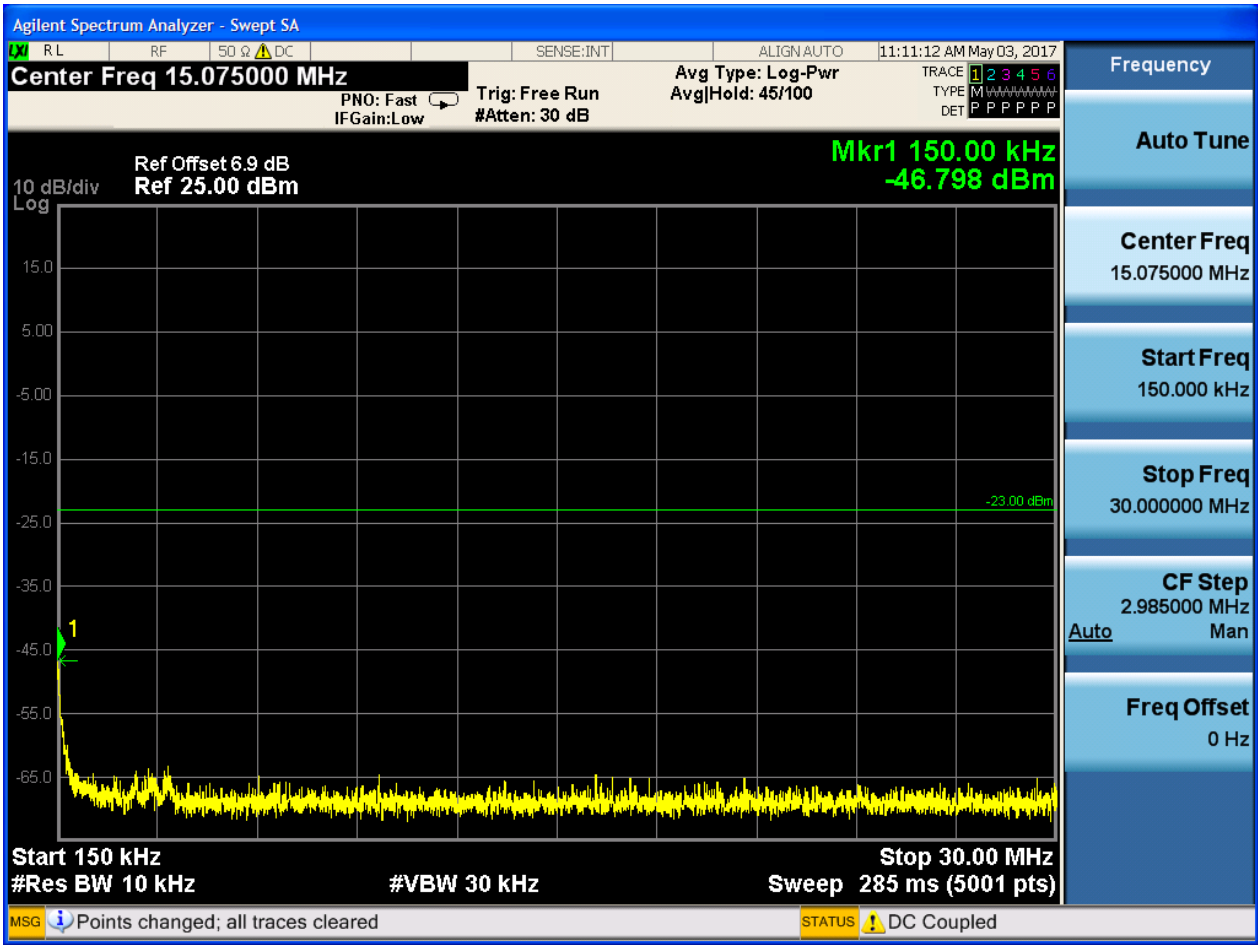


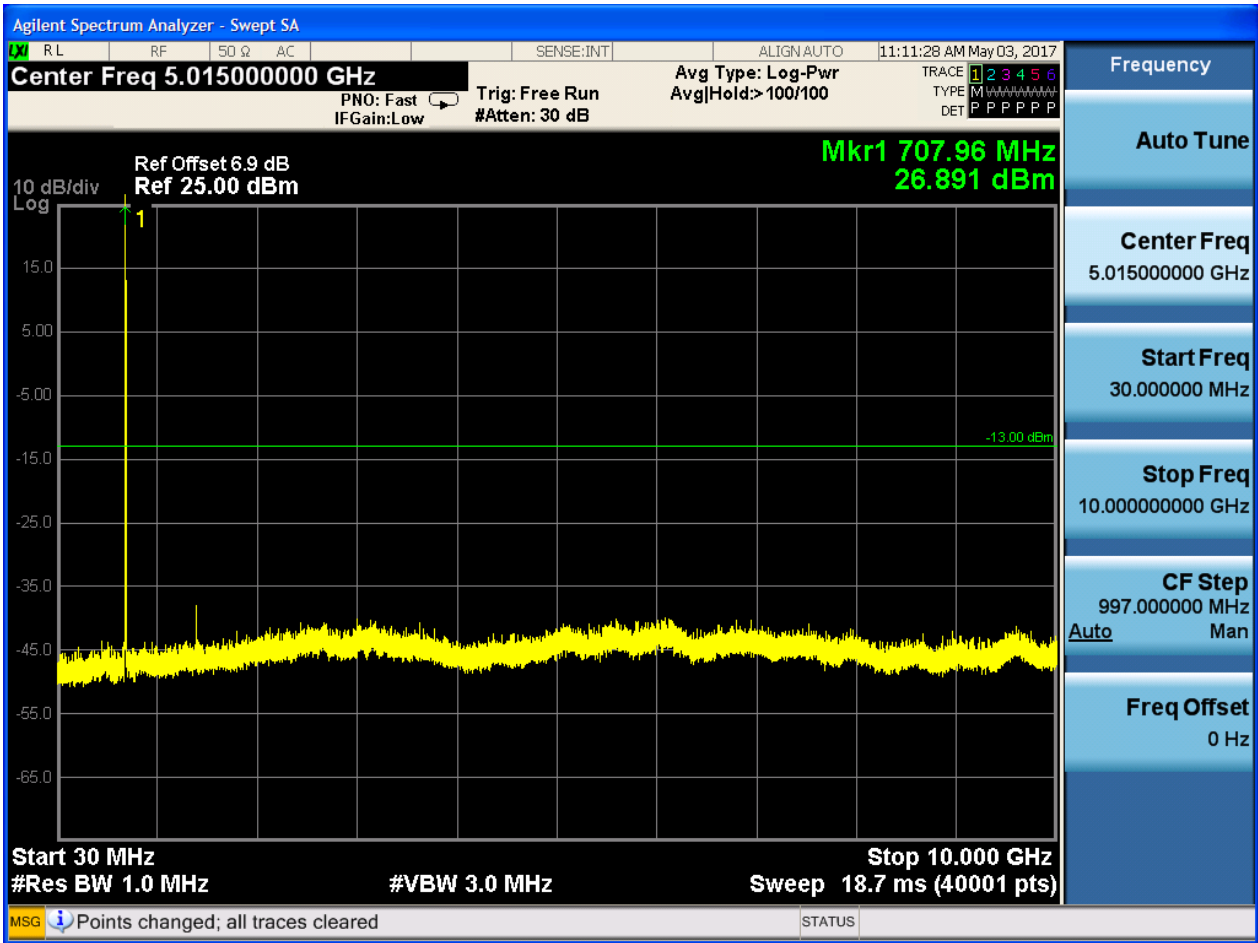


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



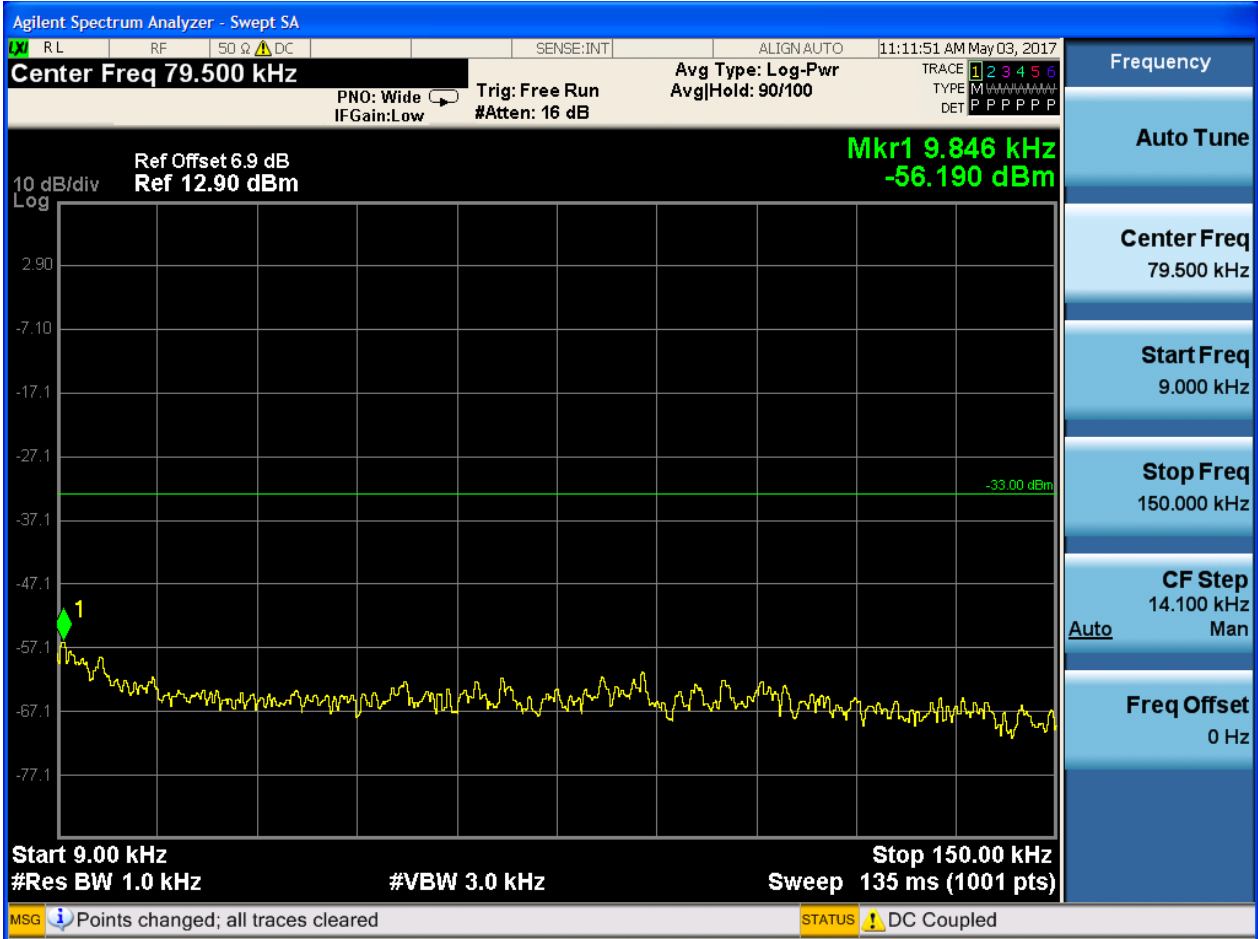


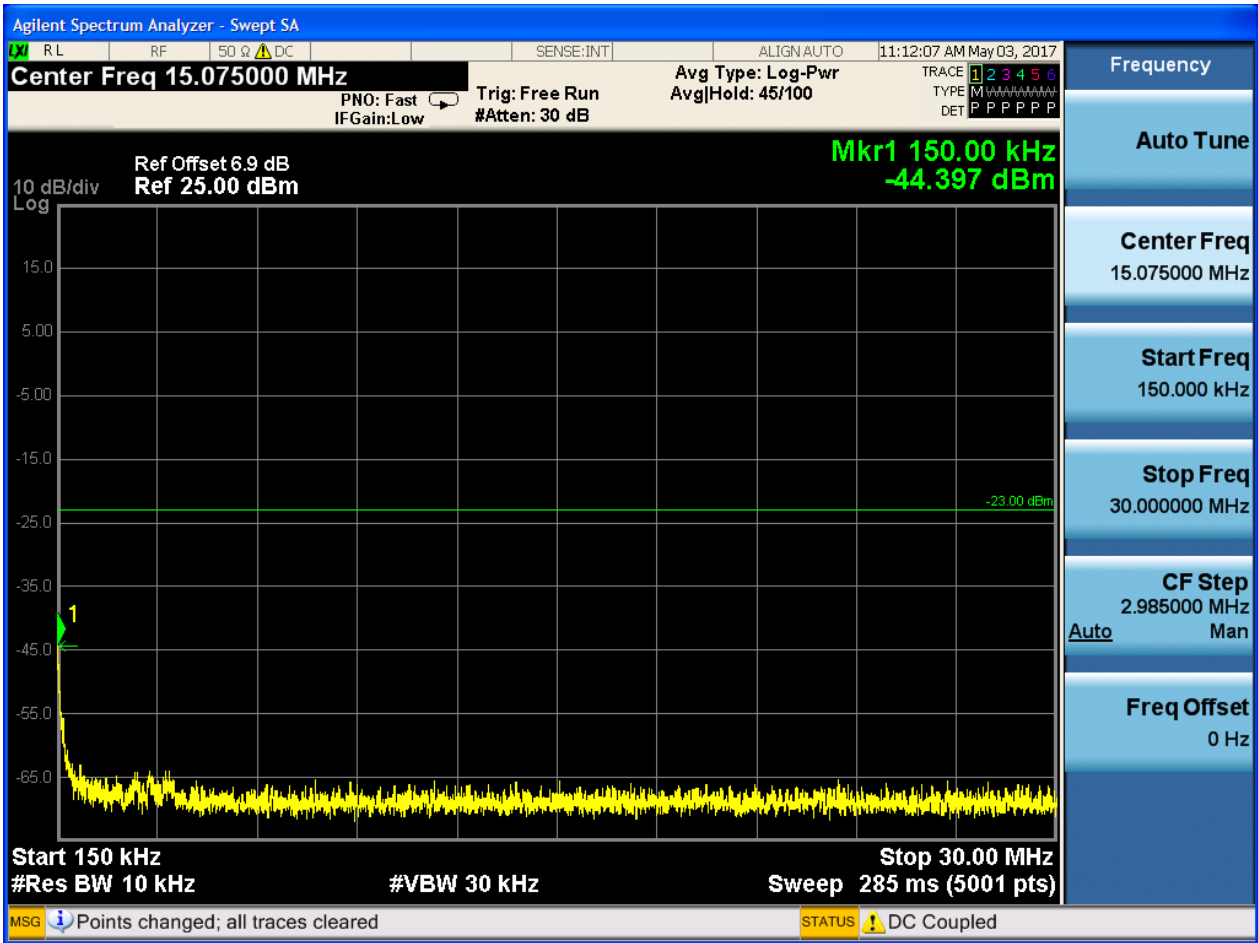


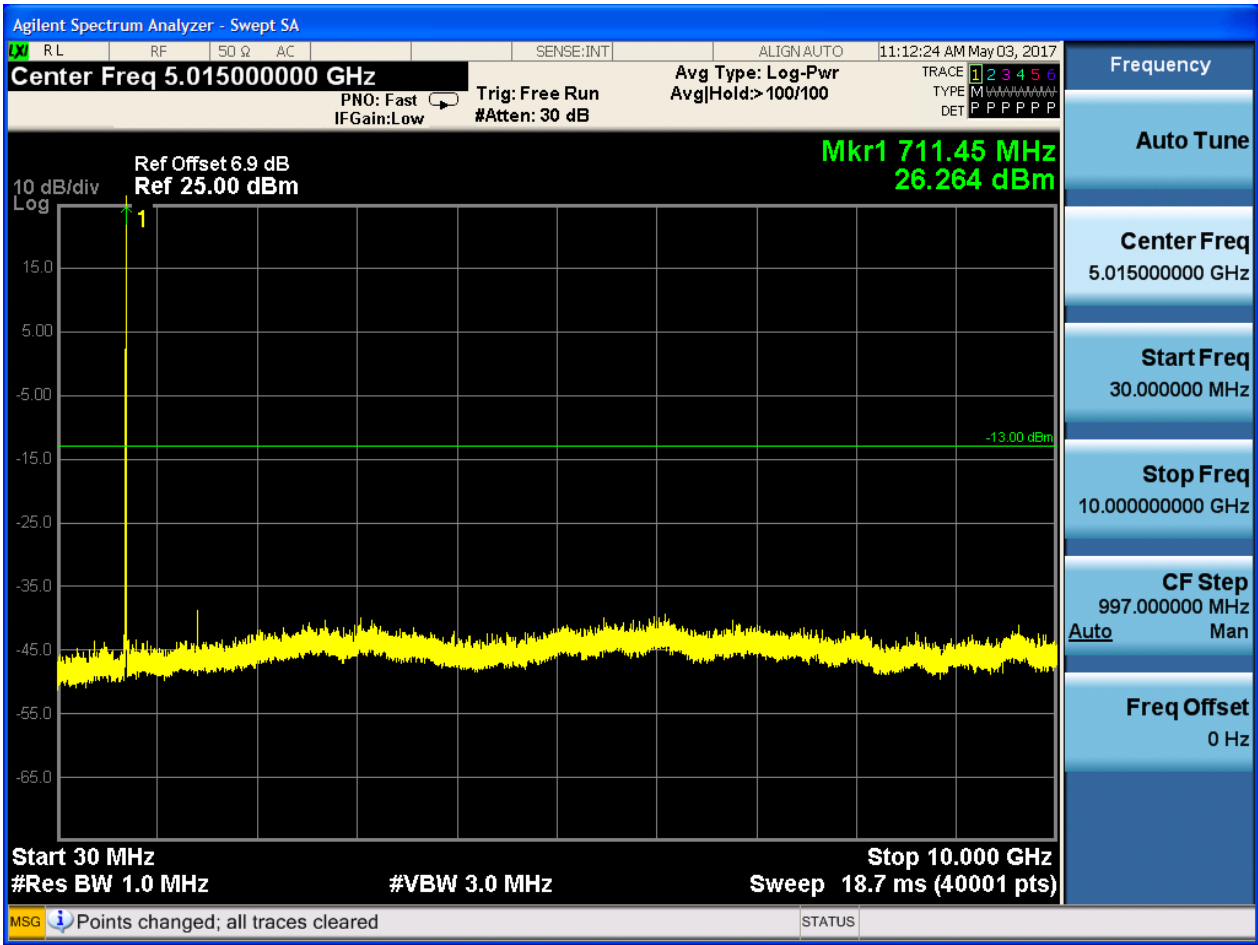


6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0





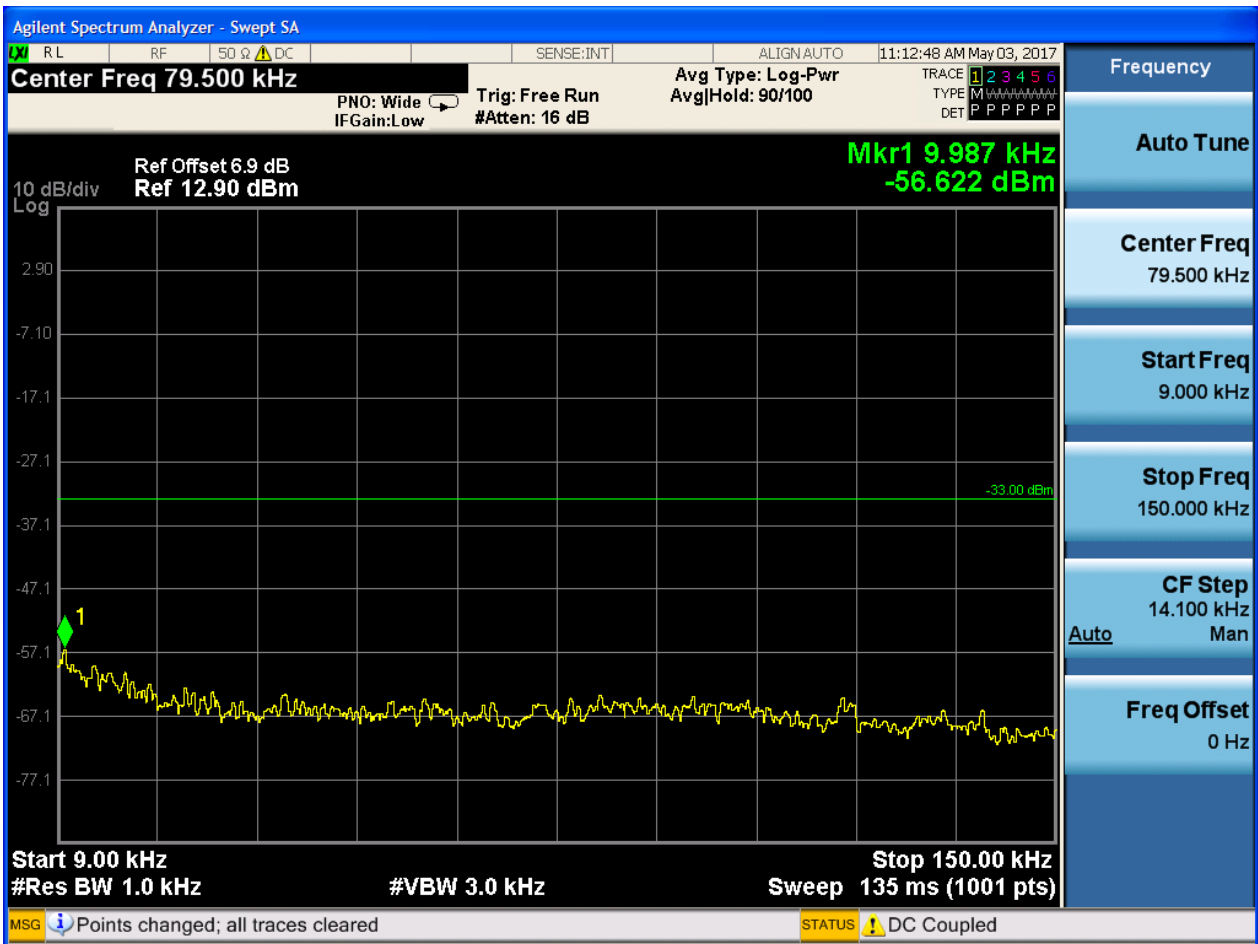


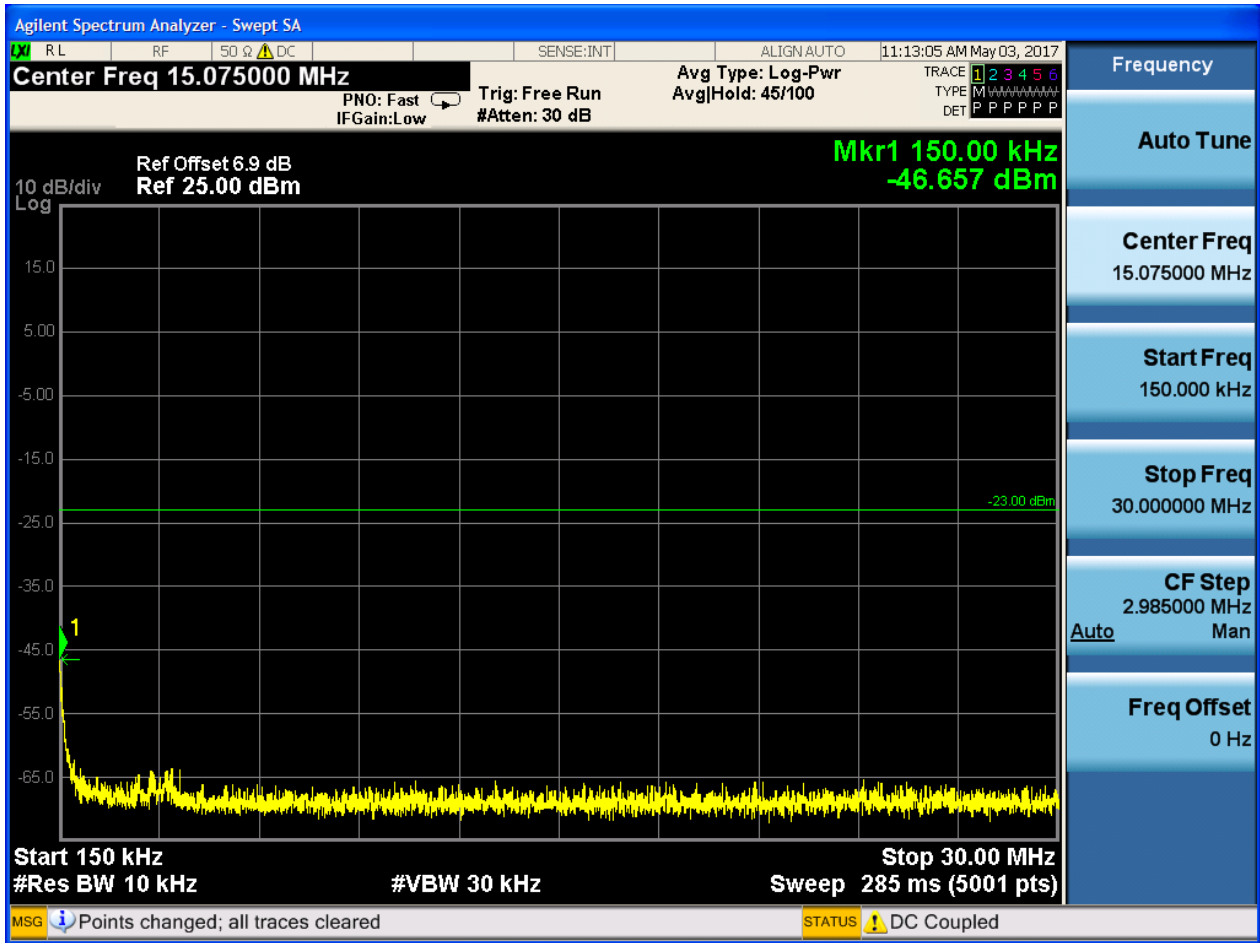


6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0

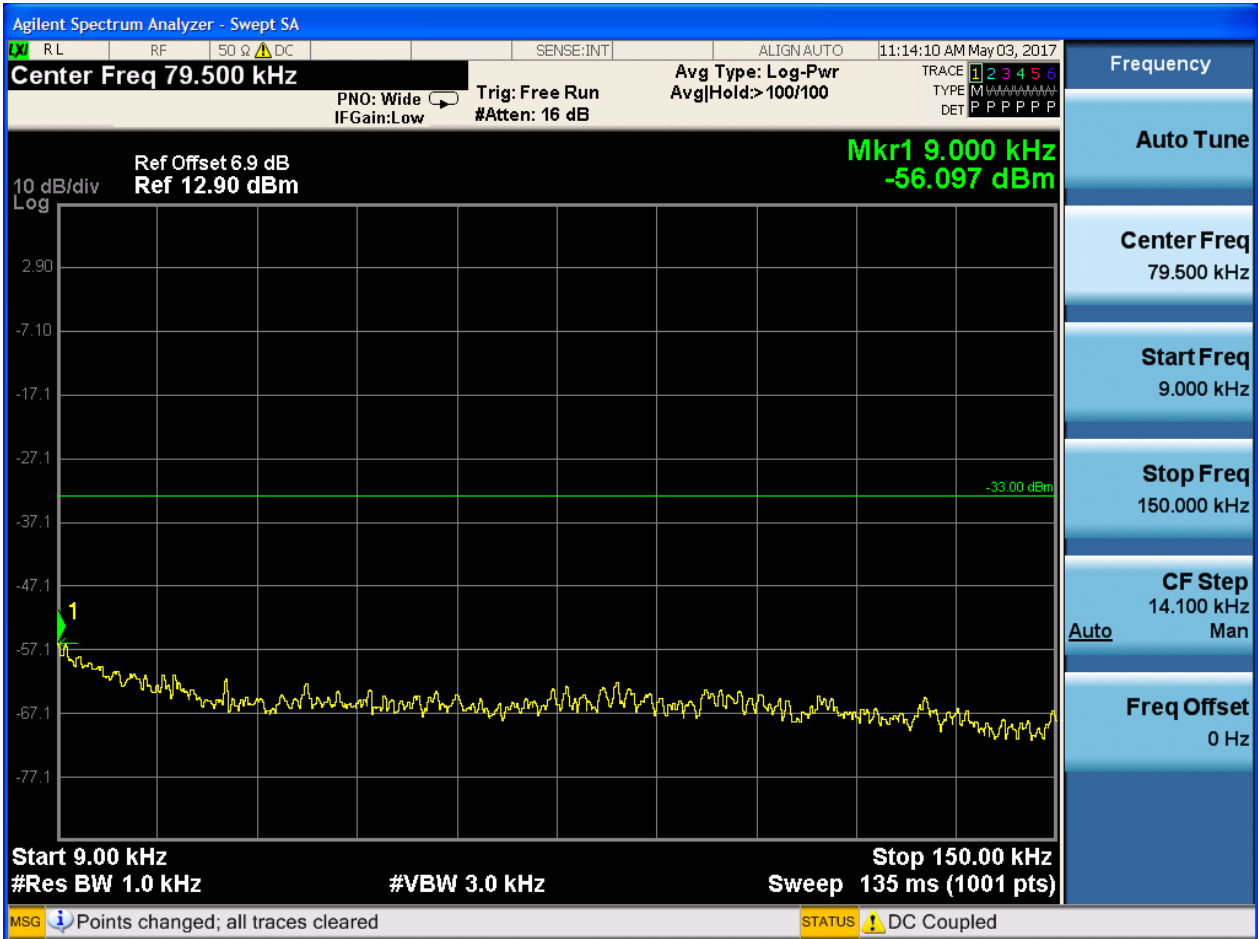


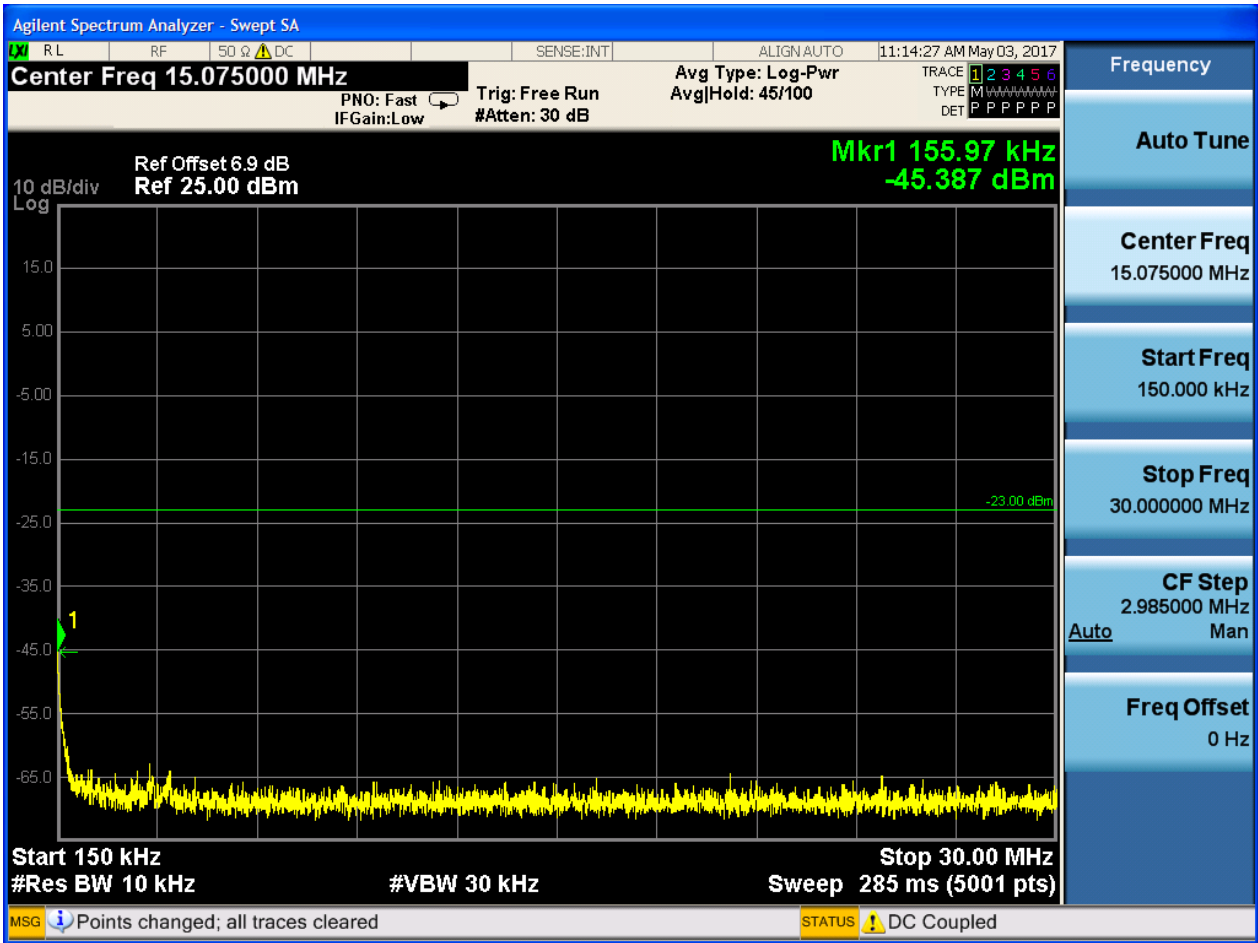


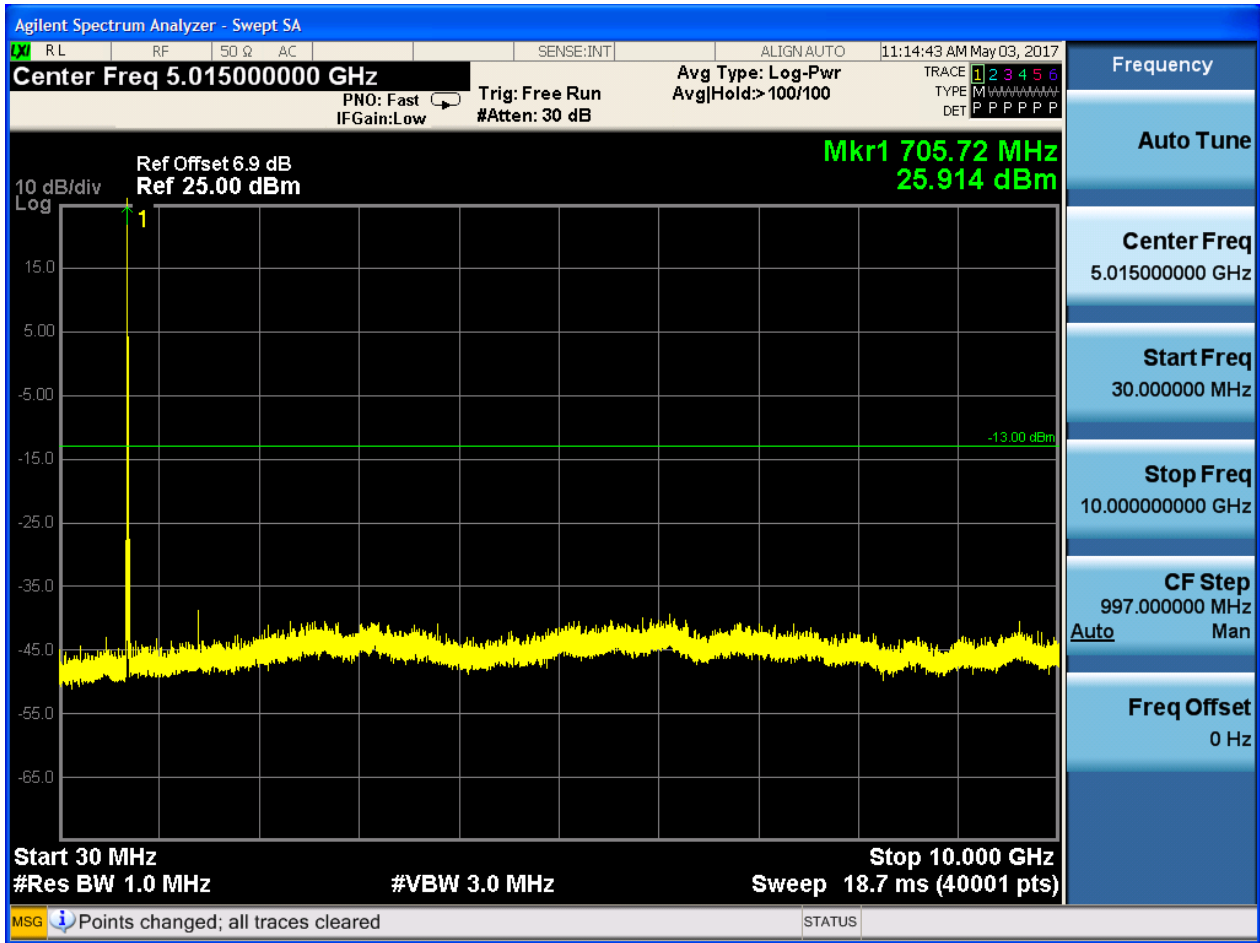


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



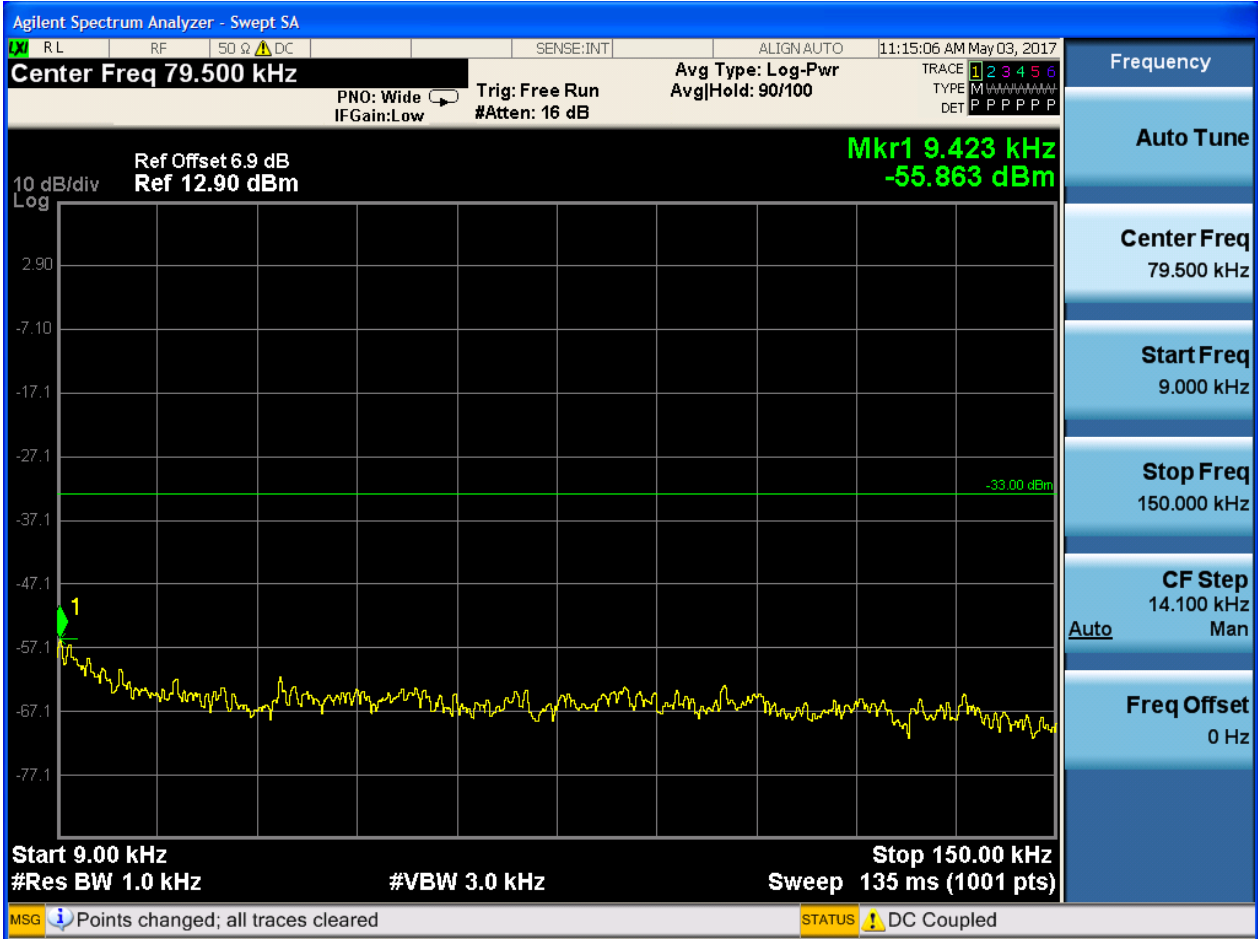


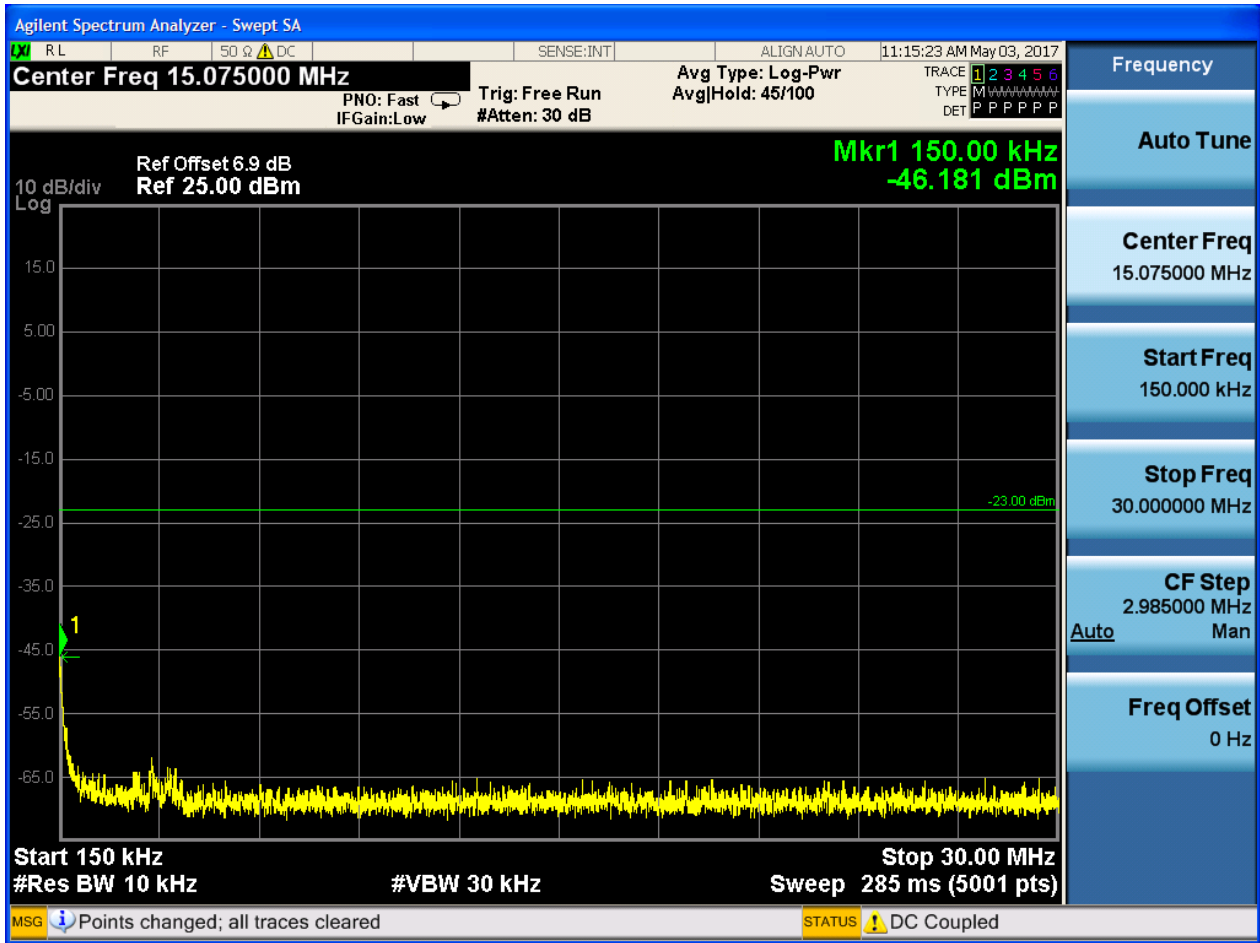


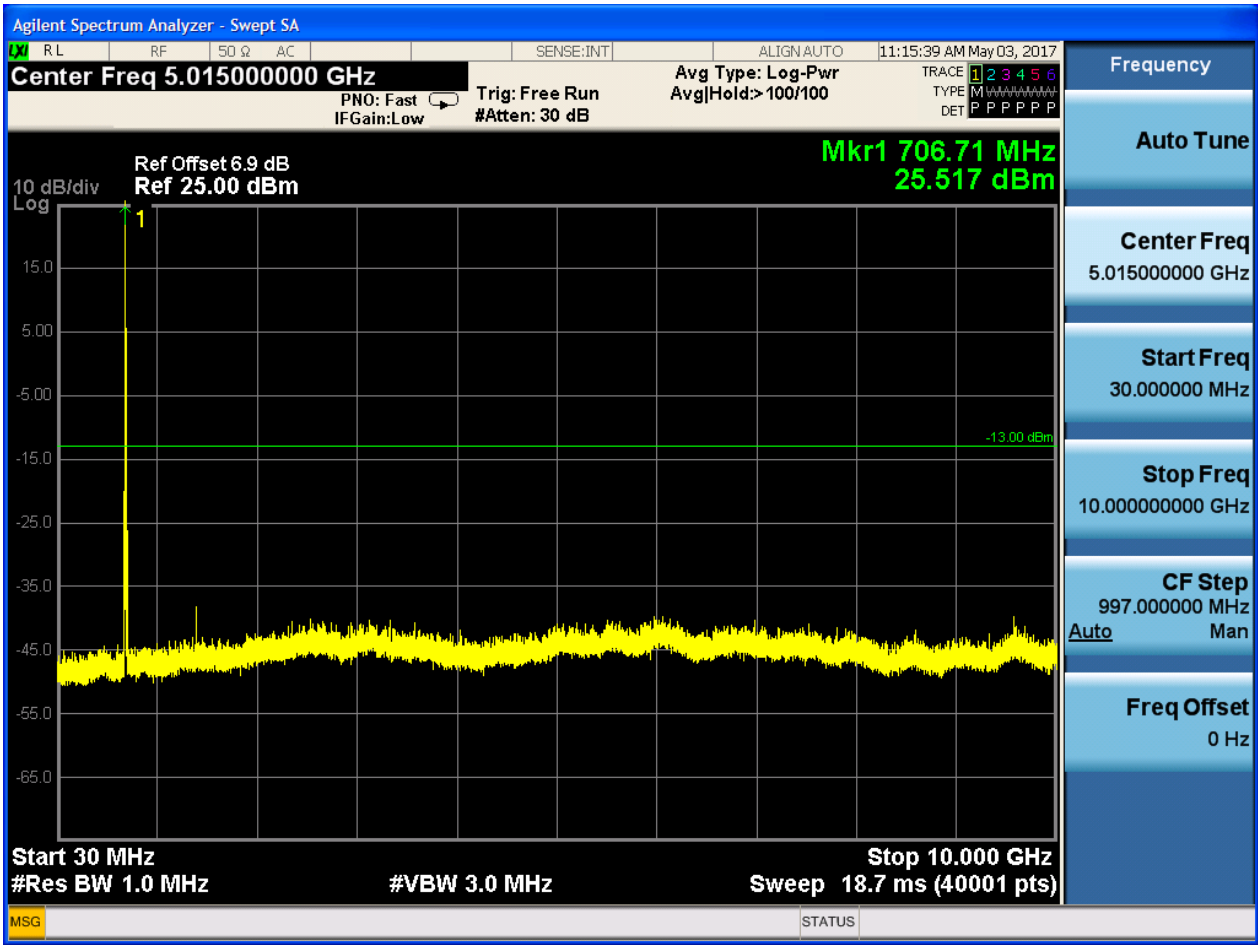


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







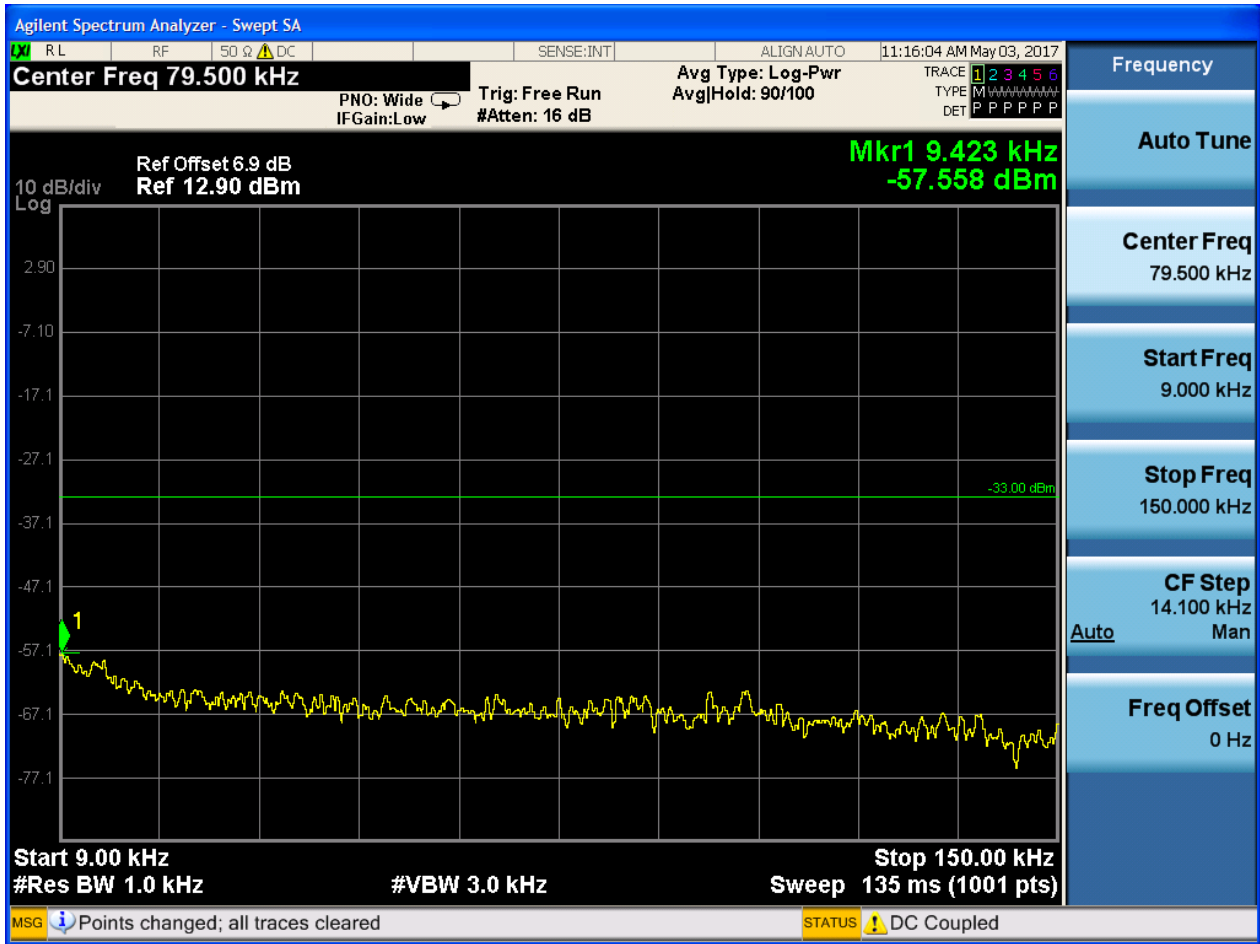


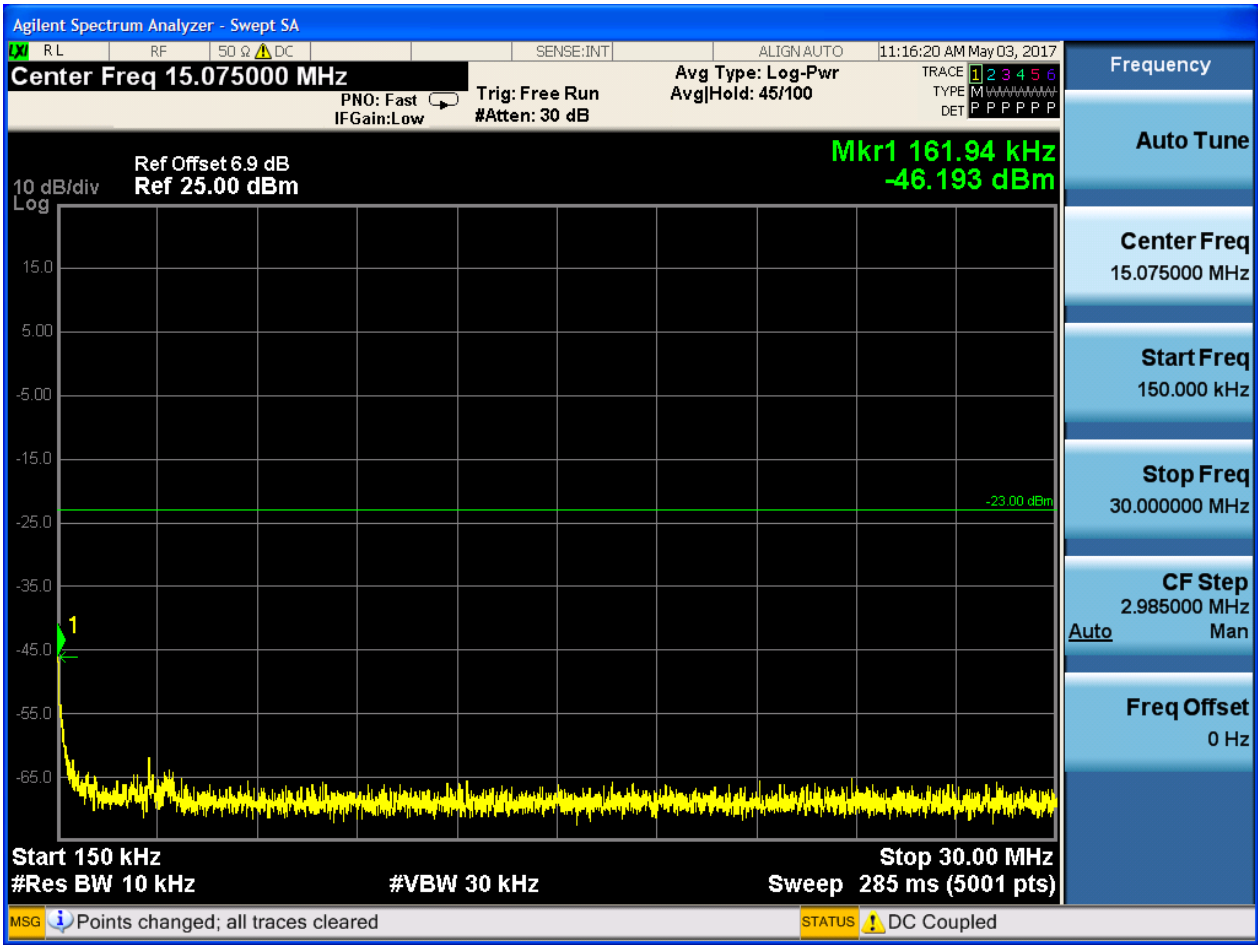
6.1.1.2 Test Mode = LTE/TM2

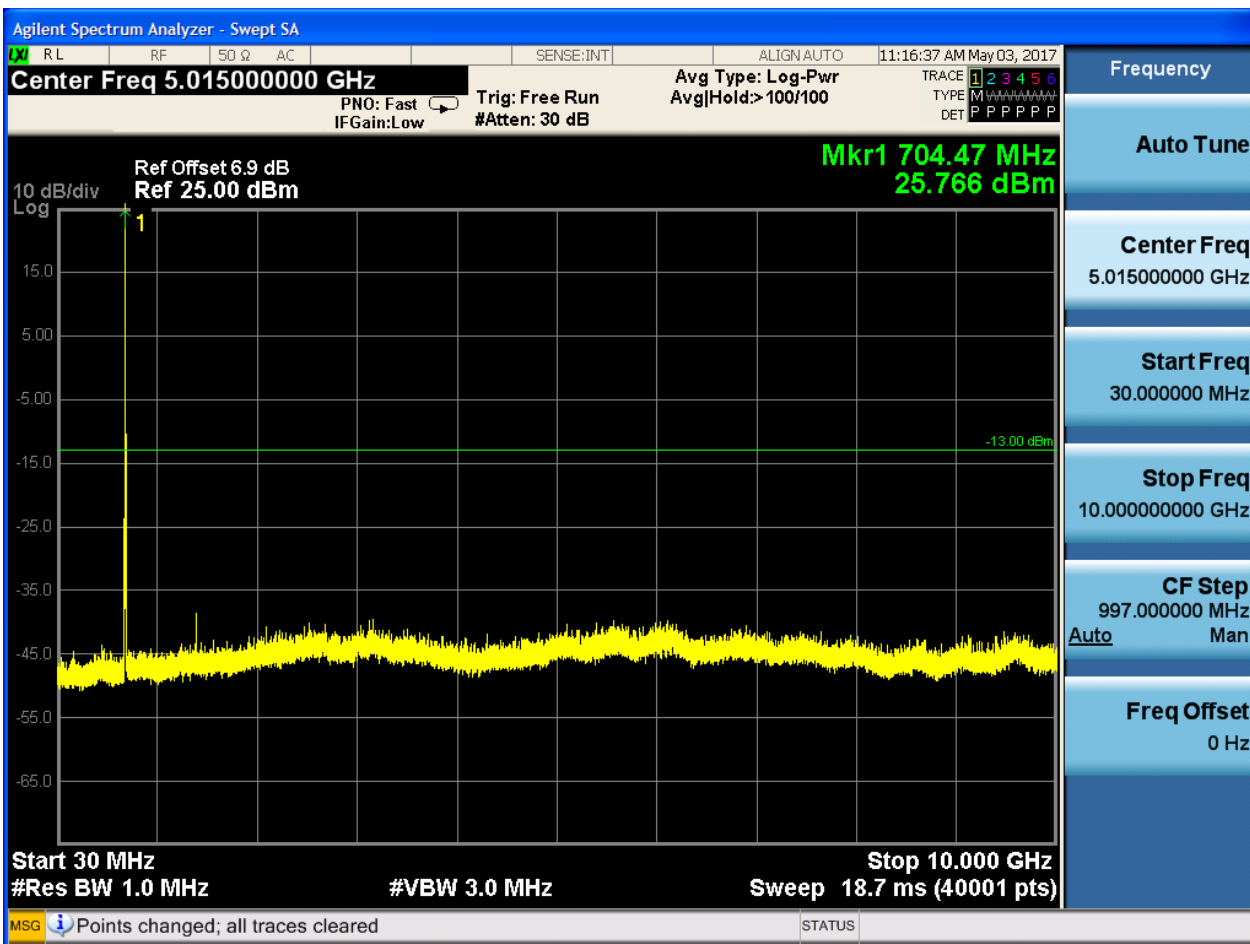
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



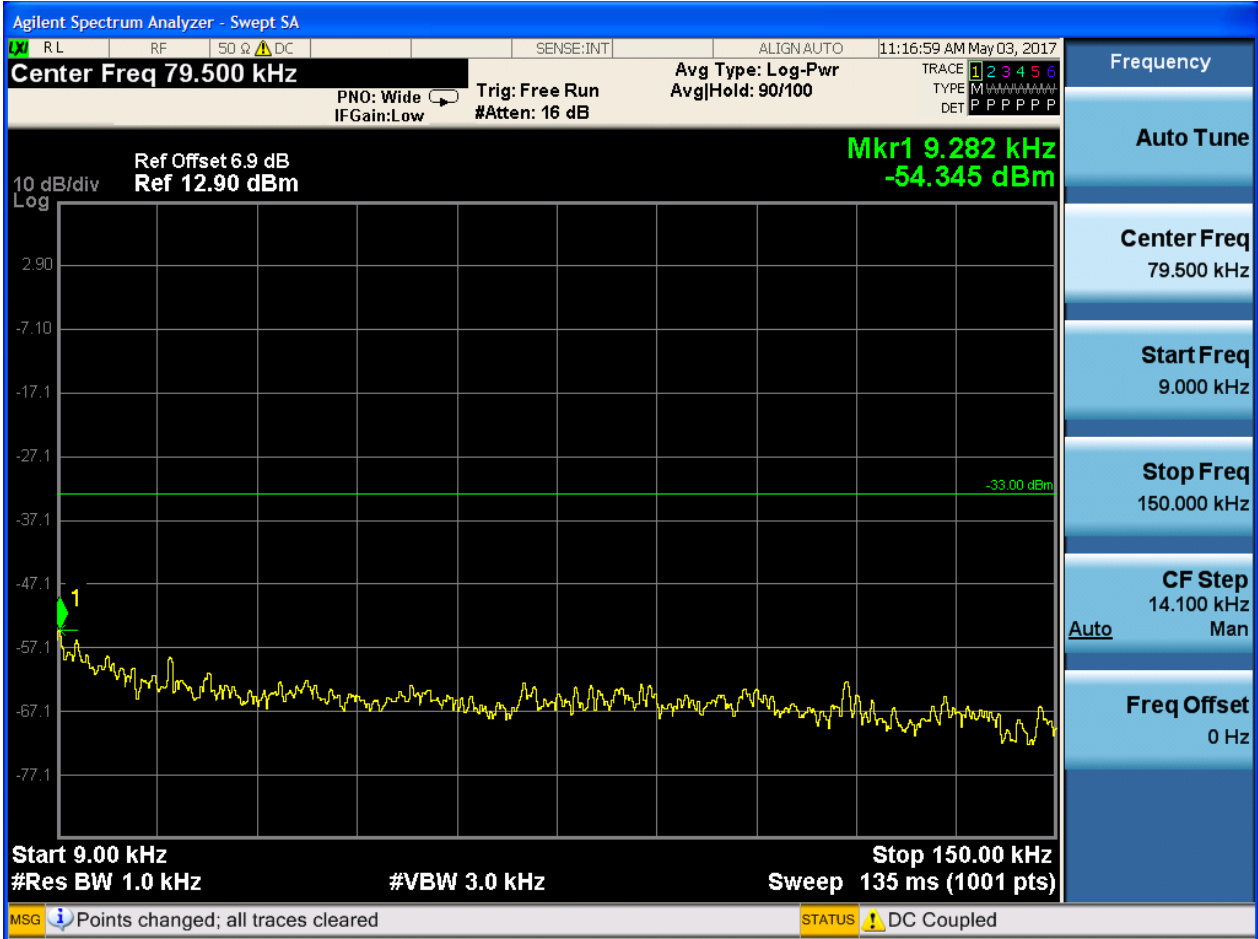


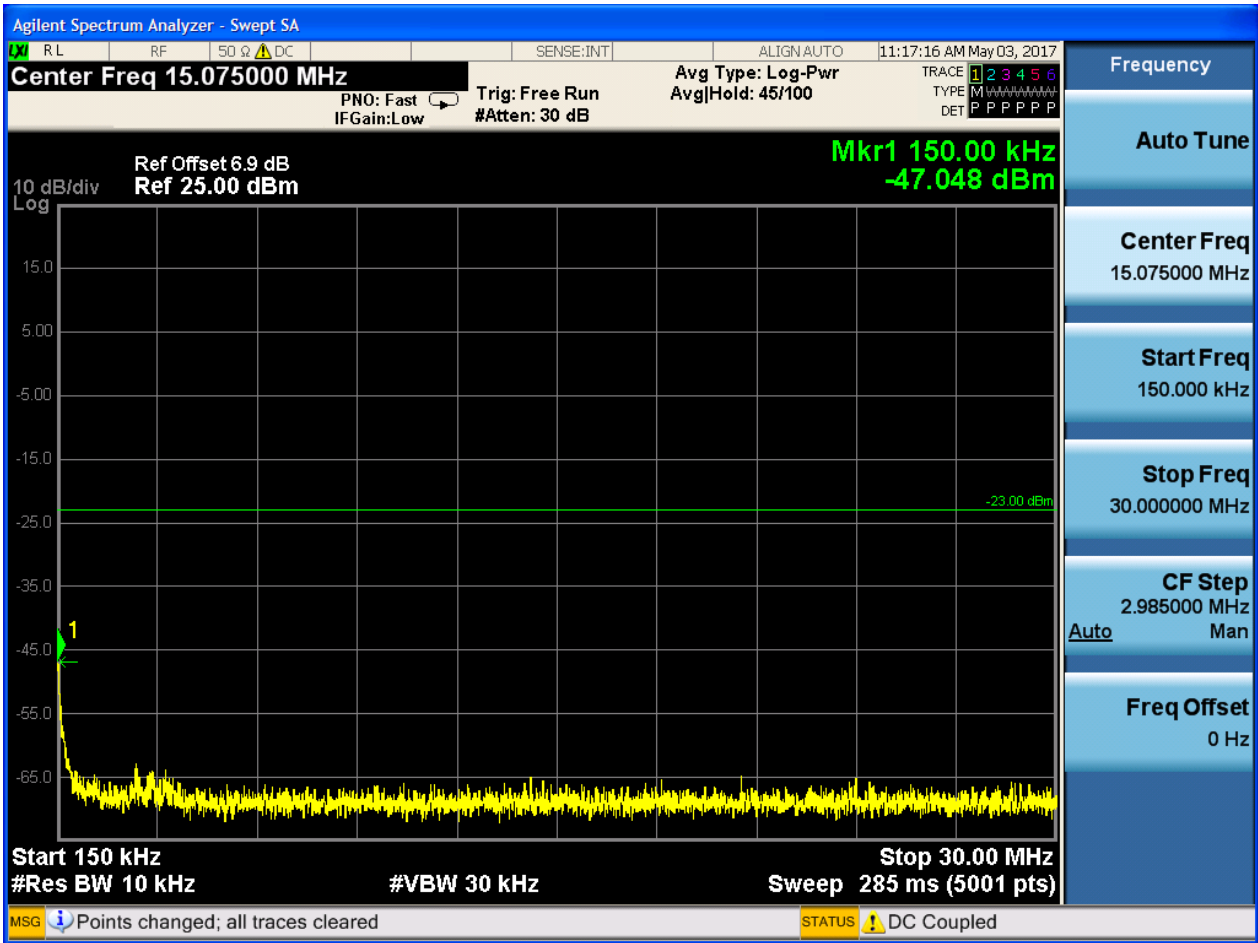


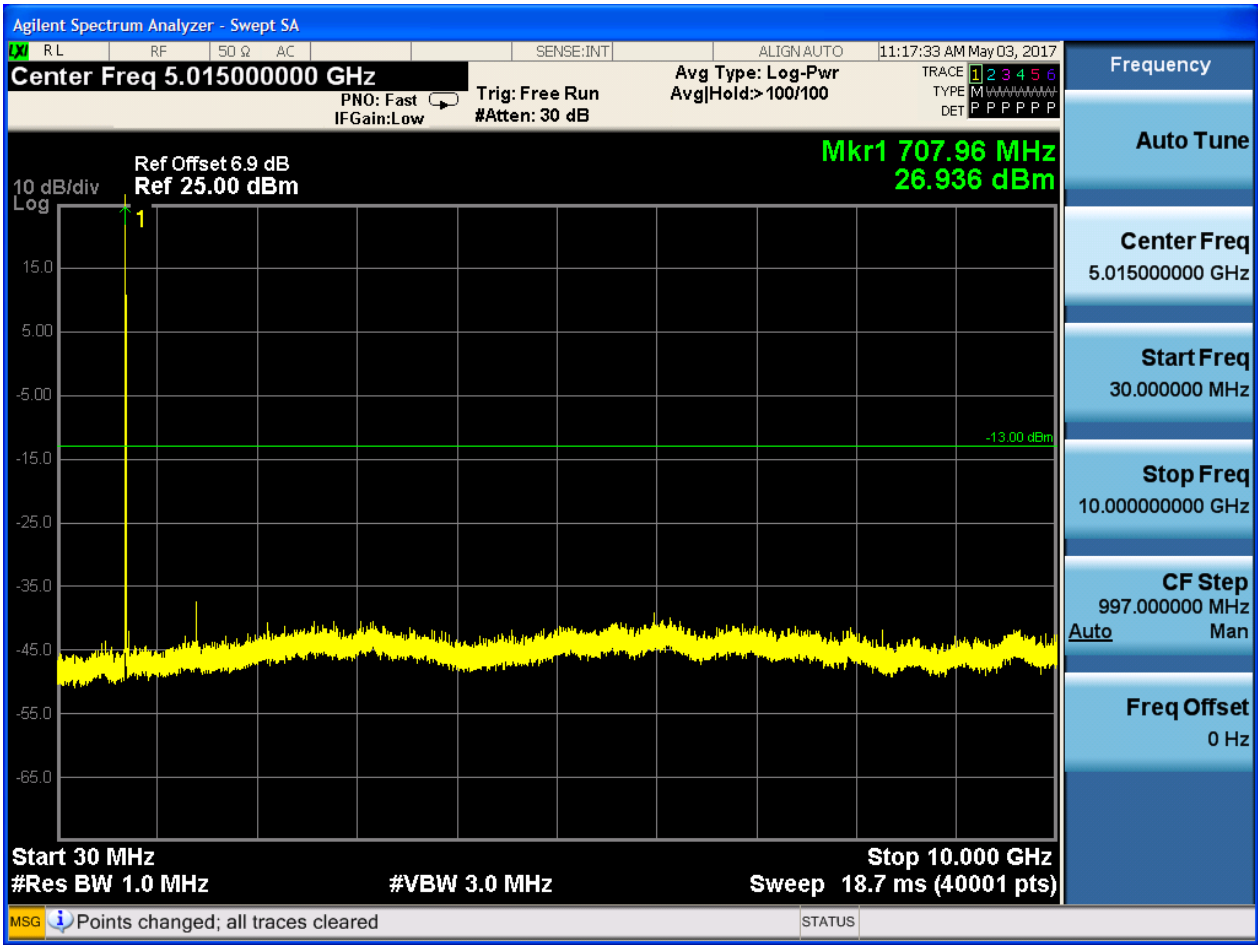


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



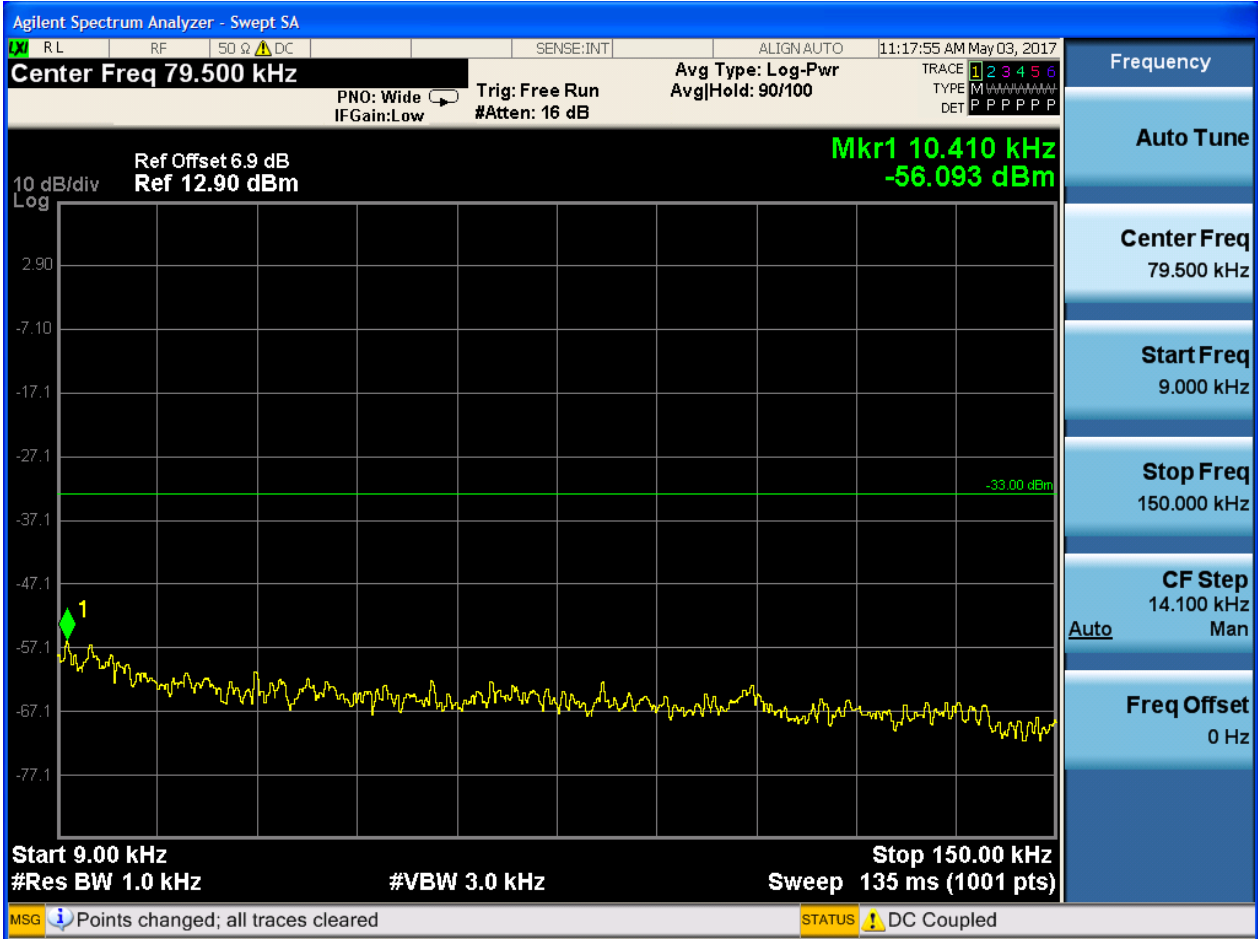


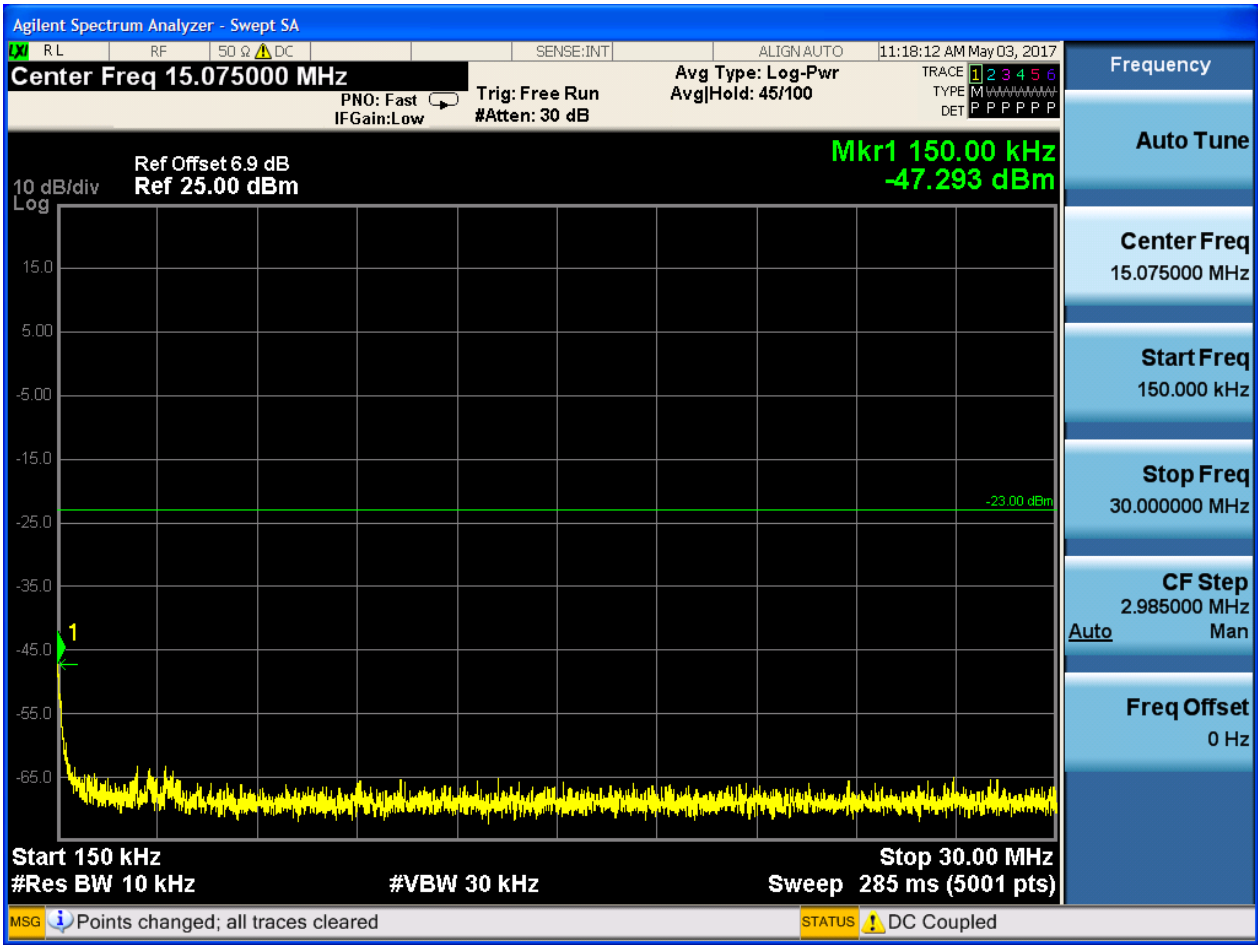


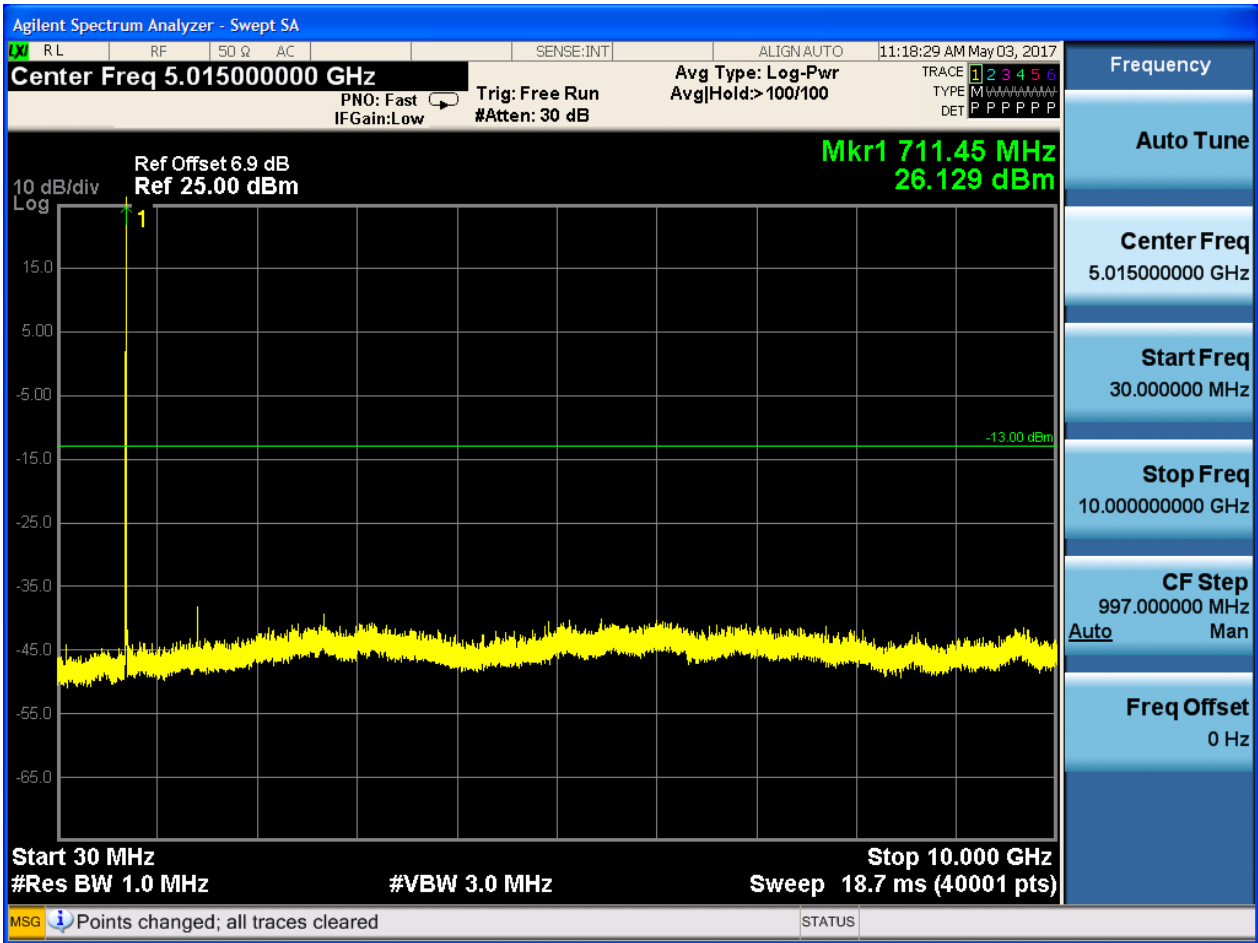


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





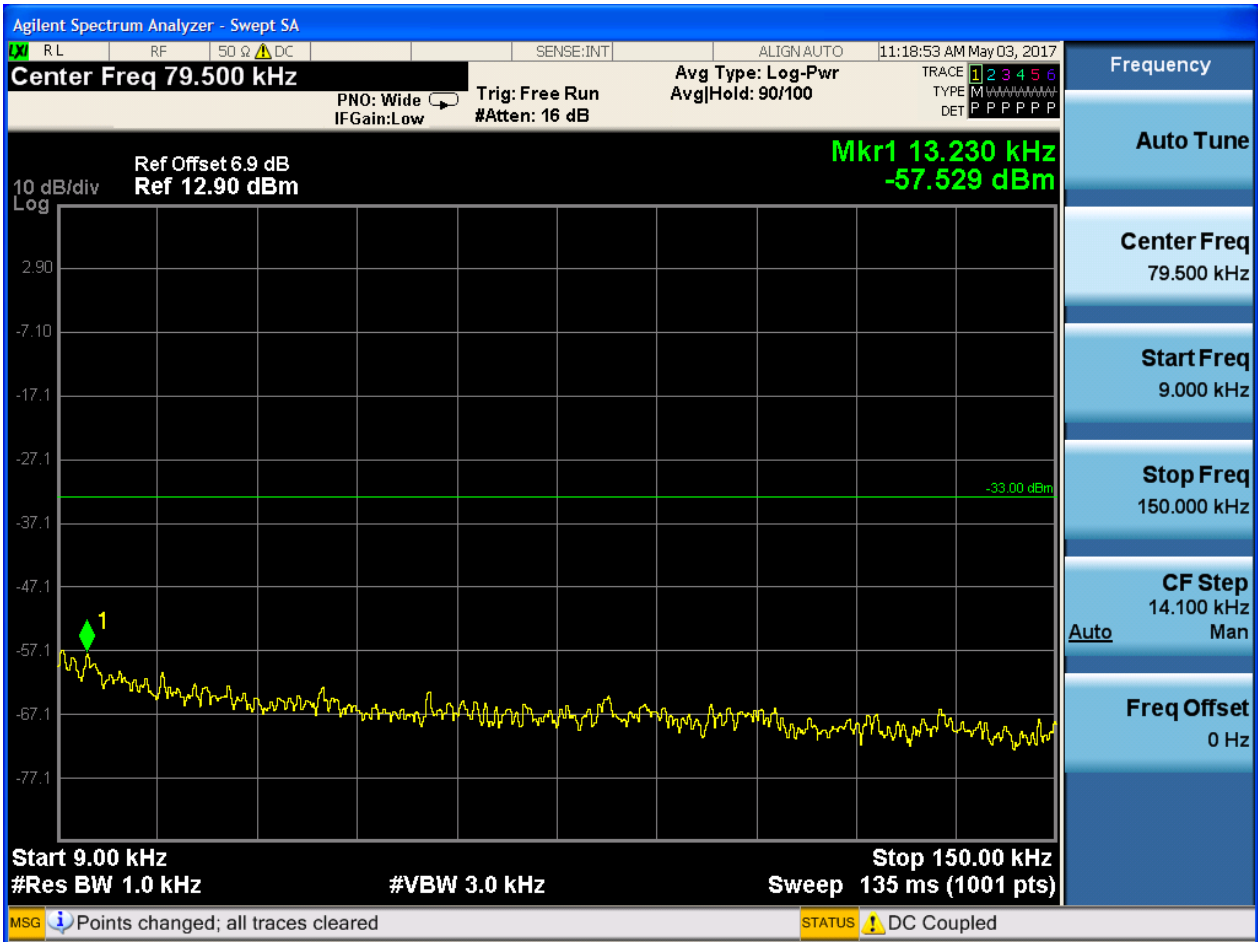


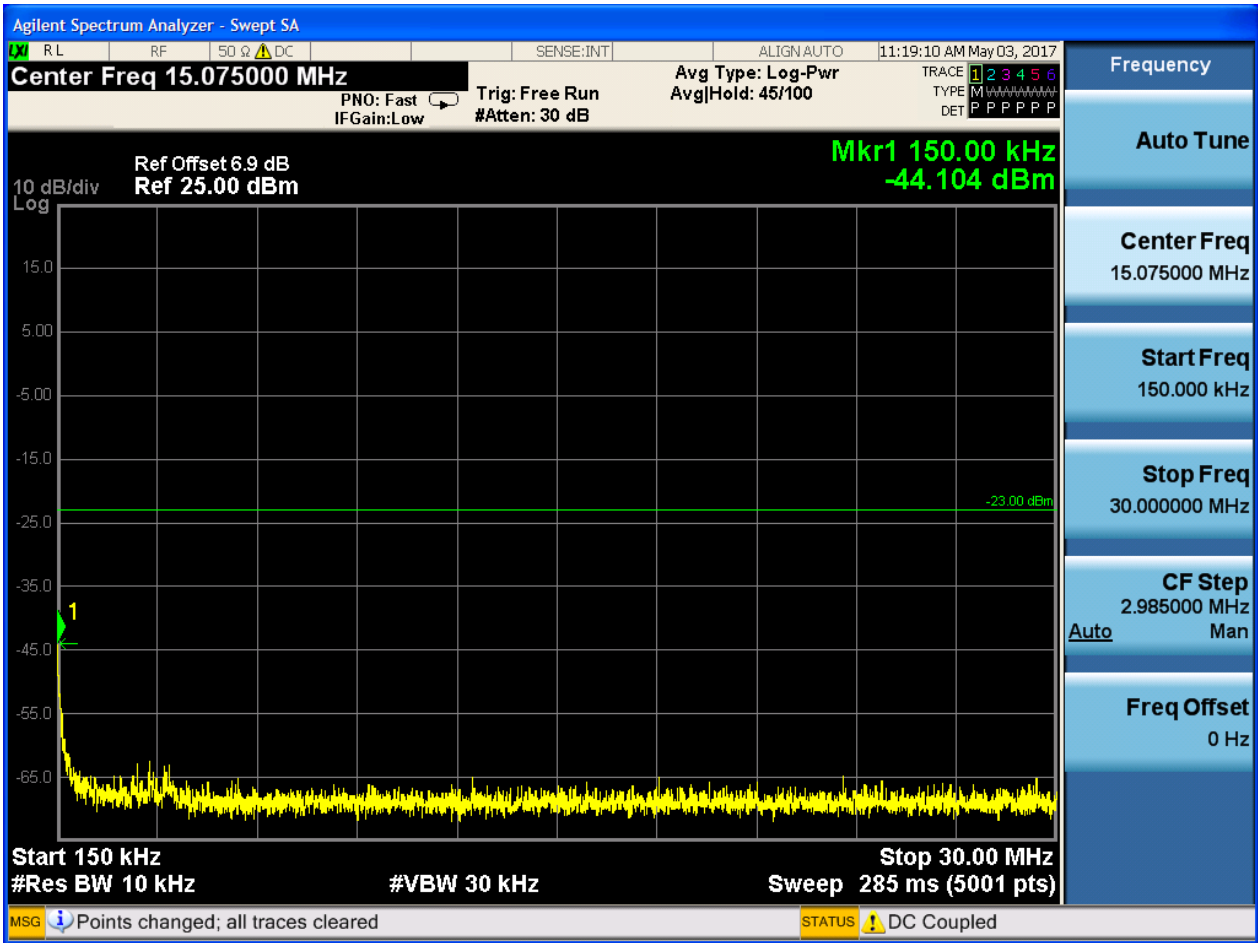


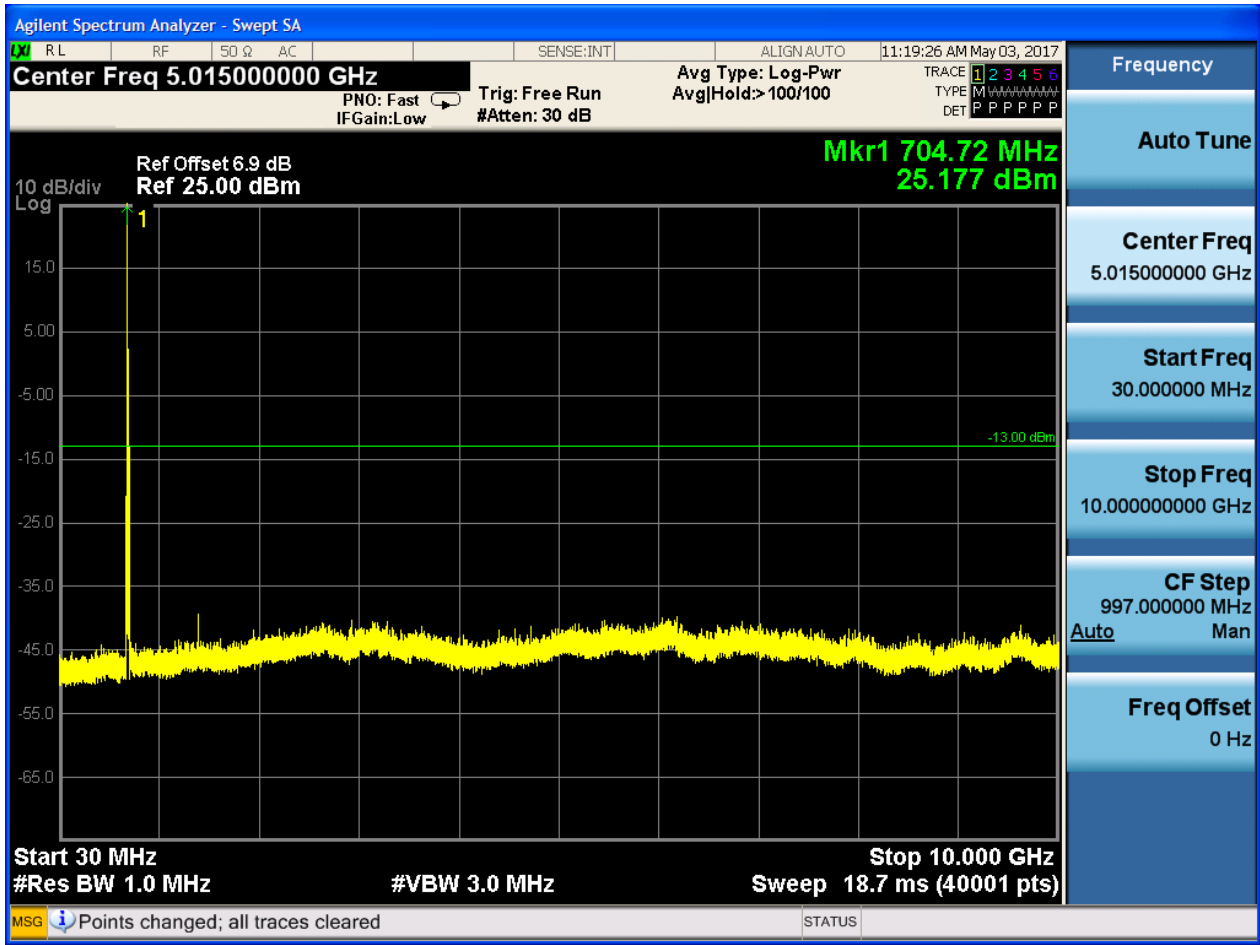
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



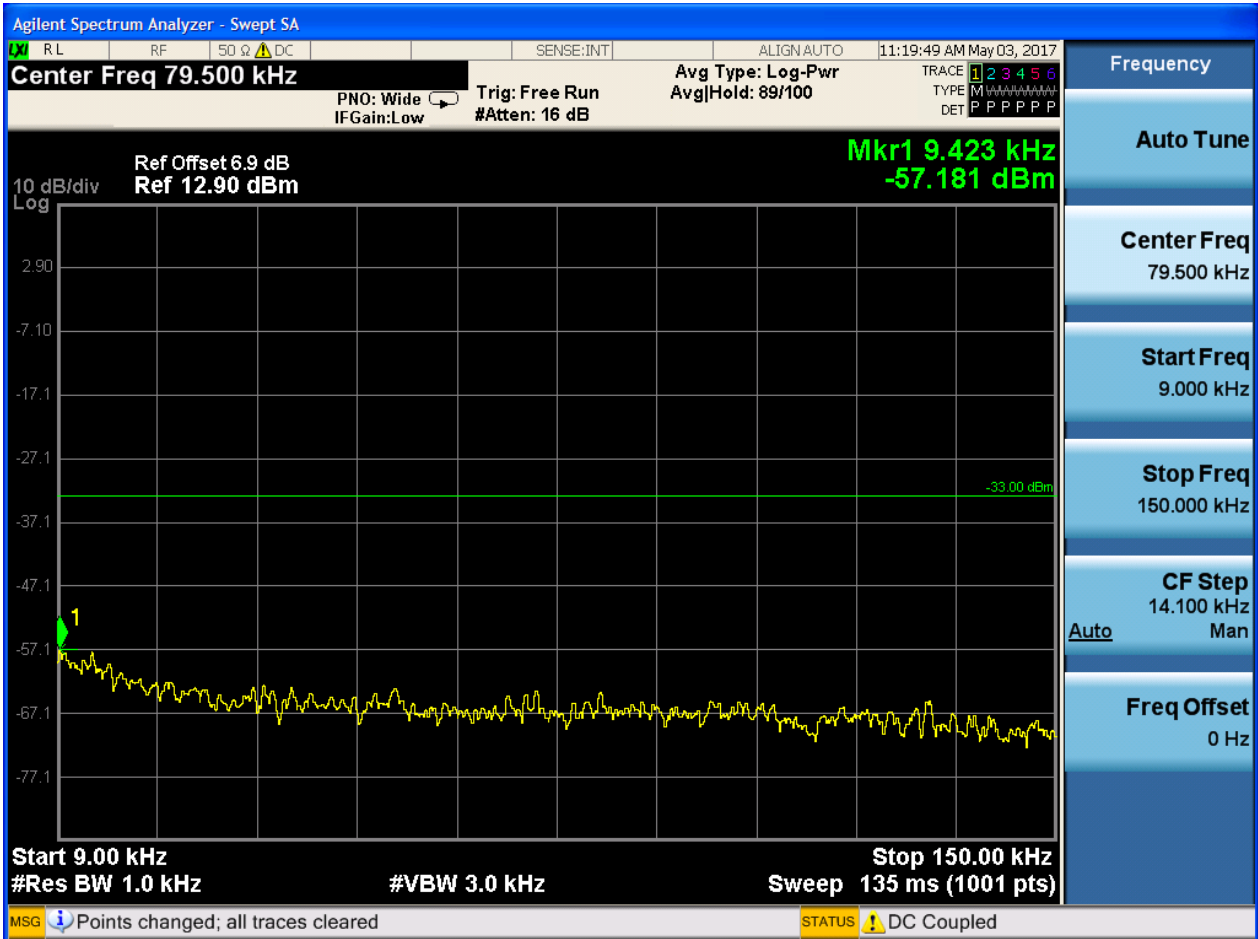


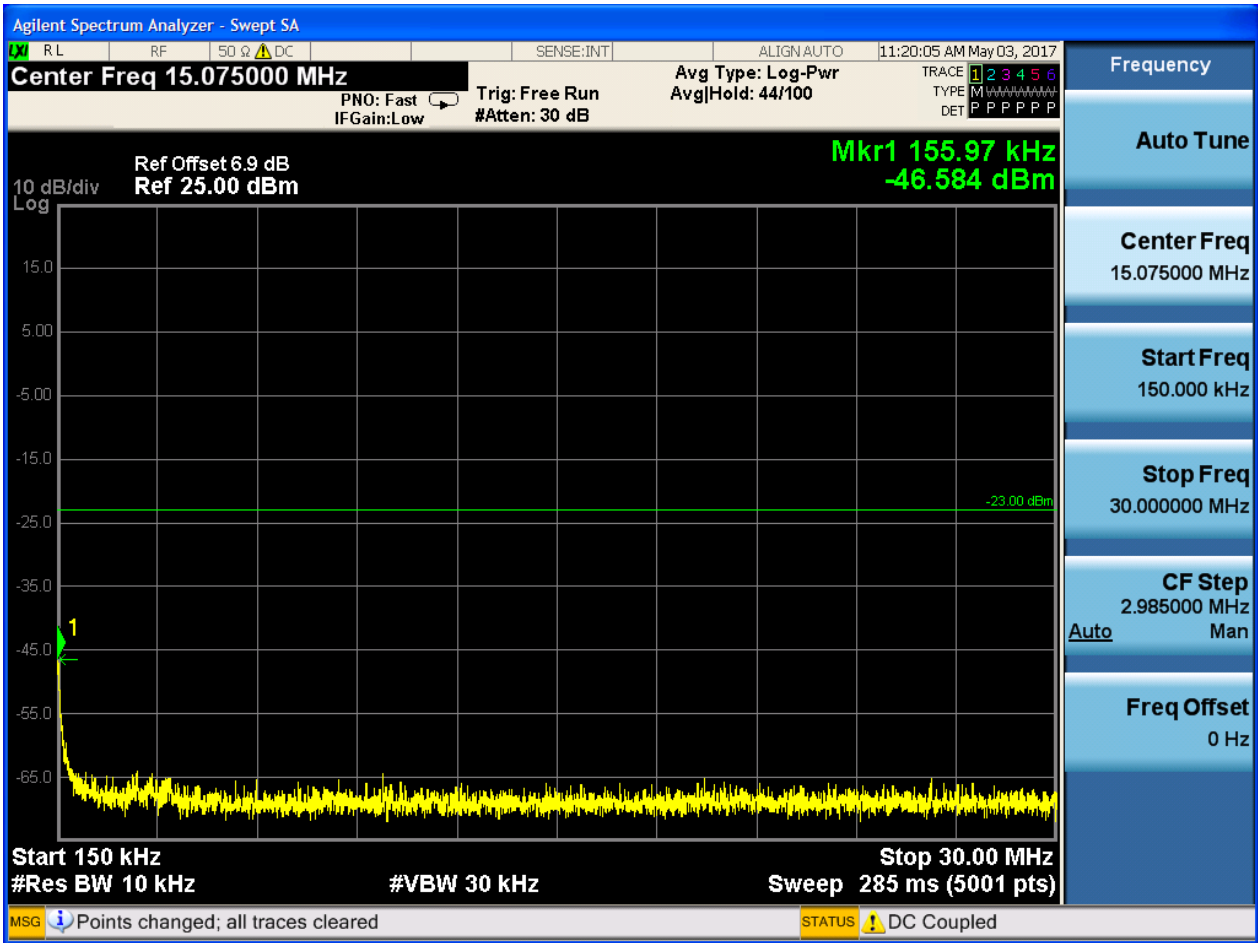


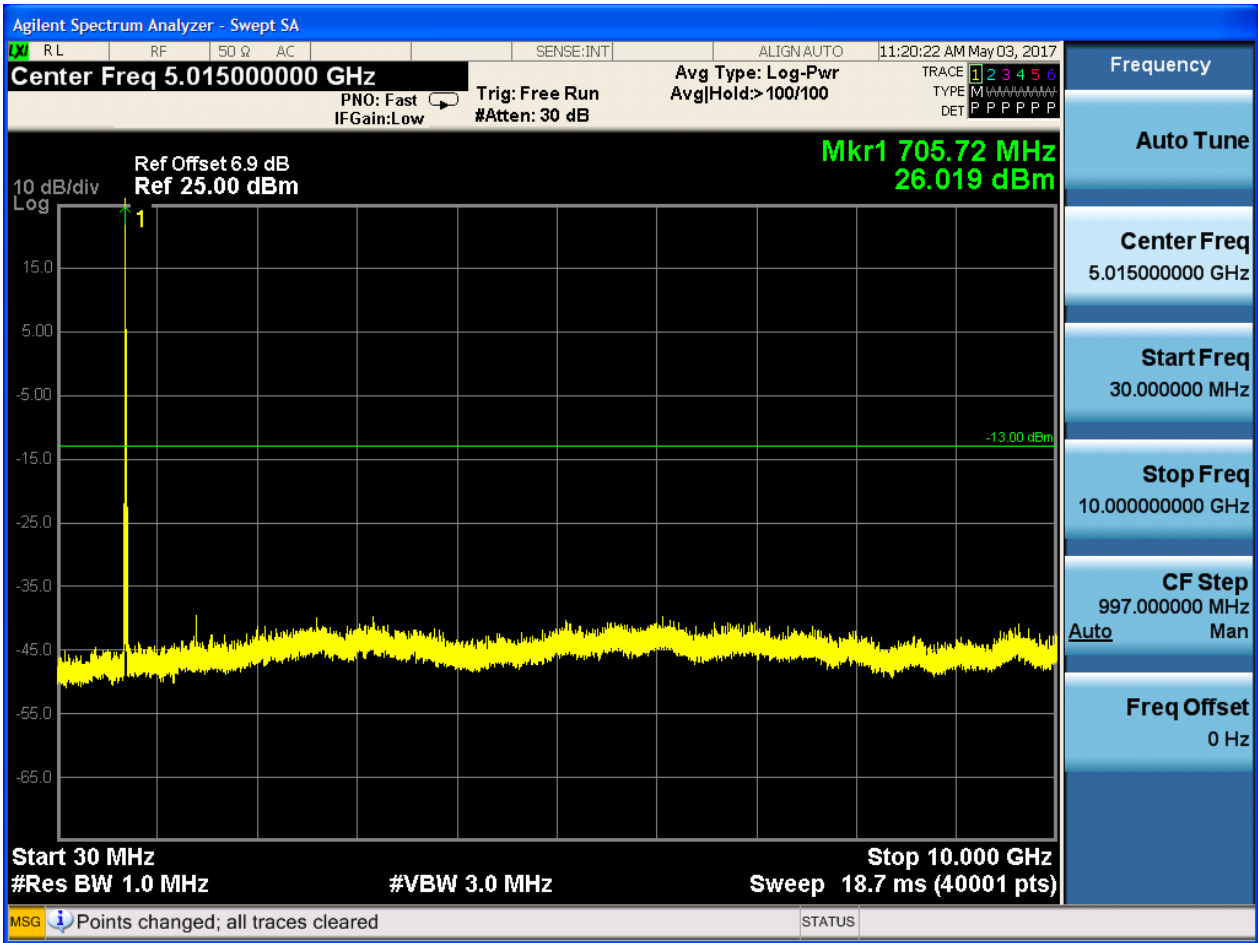


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



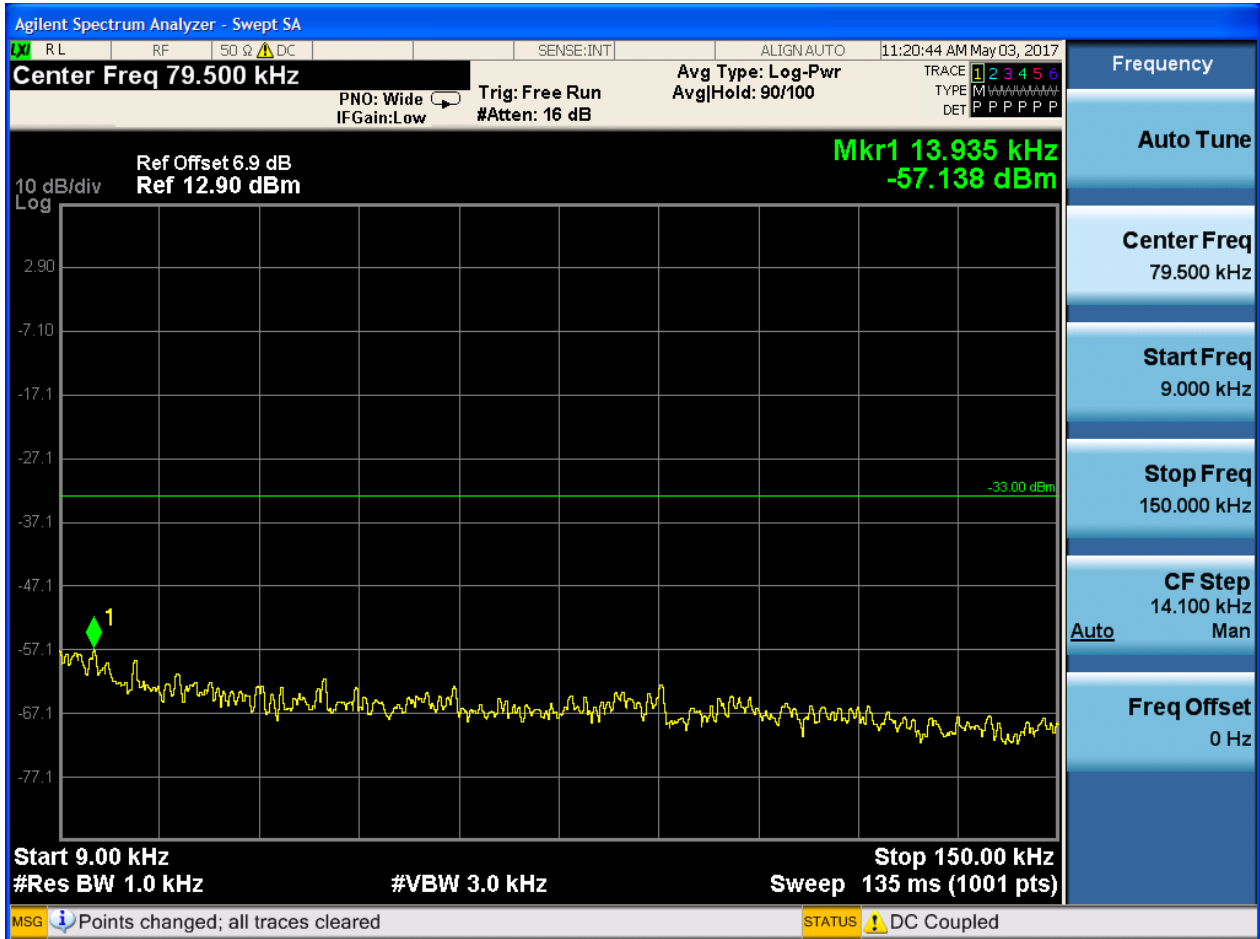


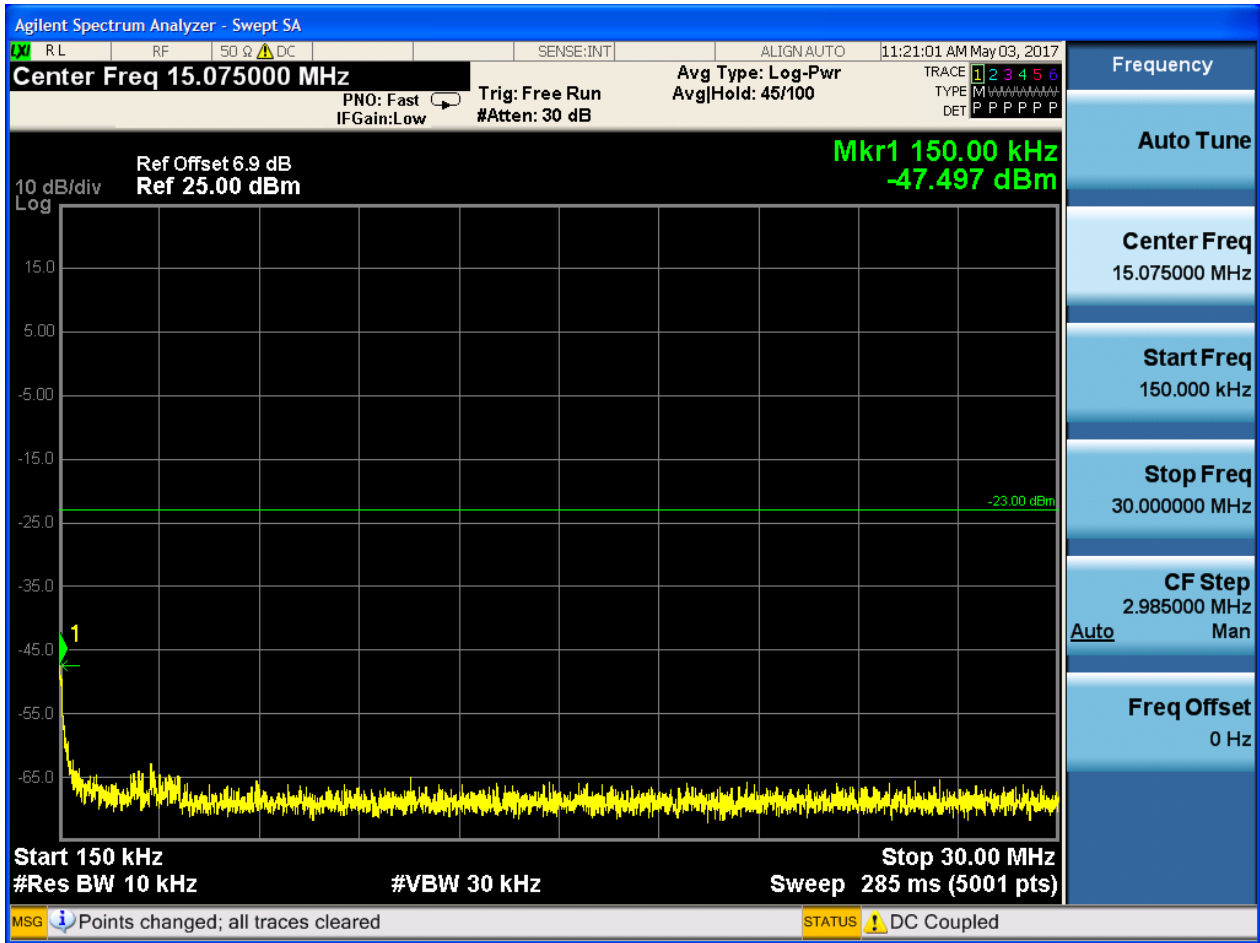




6.1.1.2.2.3 Test Channel = HCH

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, 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

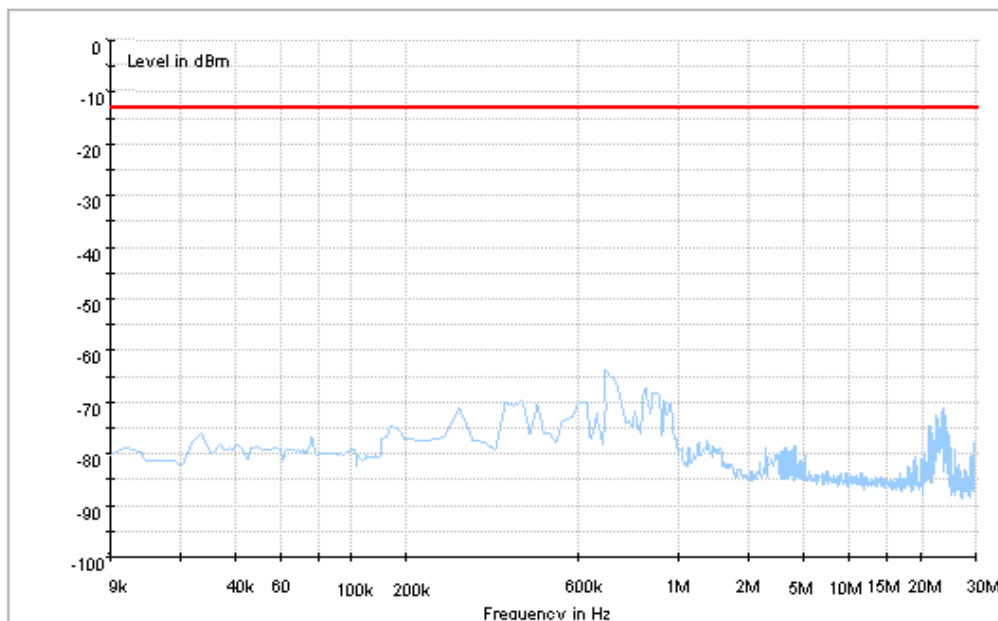
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

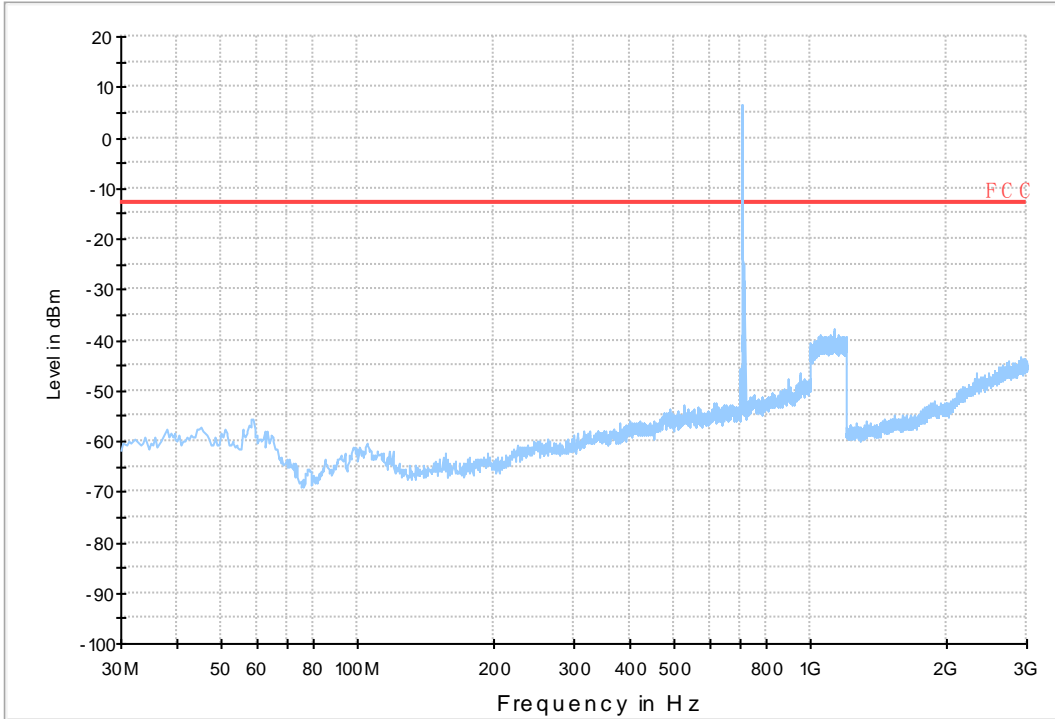
7.1 For LTE

7.1.1 Test Band = BAND17_ANT1

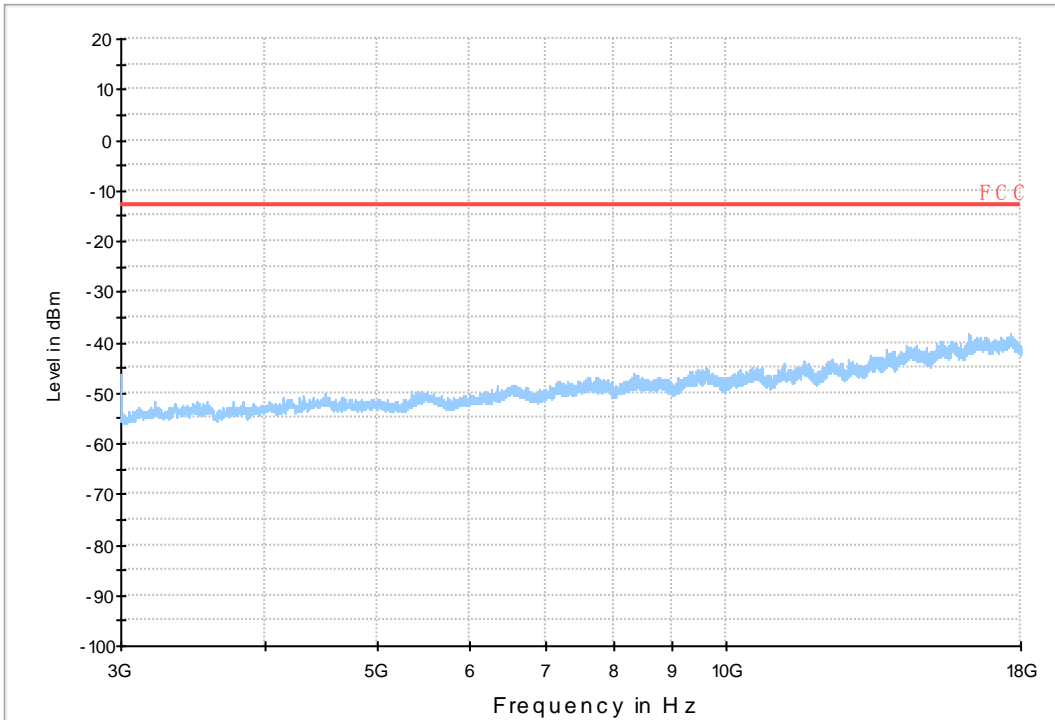
7.1.1.1 Test Bandwidth = 5



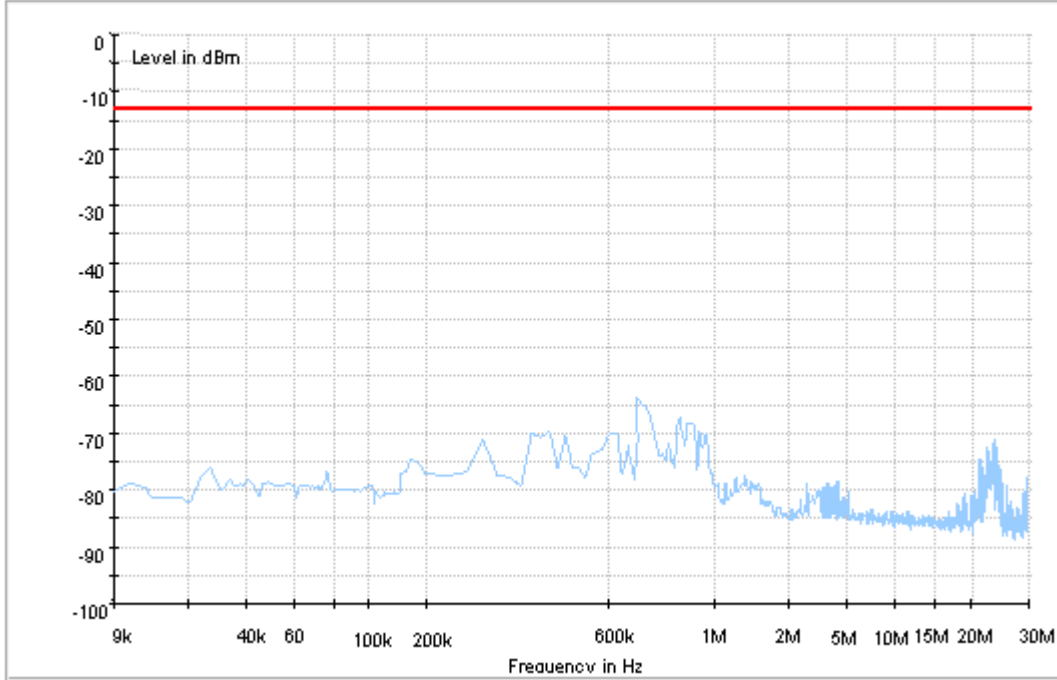
Copy of RSE-TX-DIRECTOR BELOW 1G_L



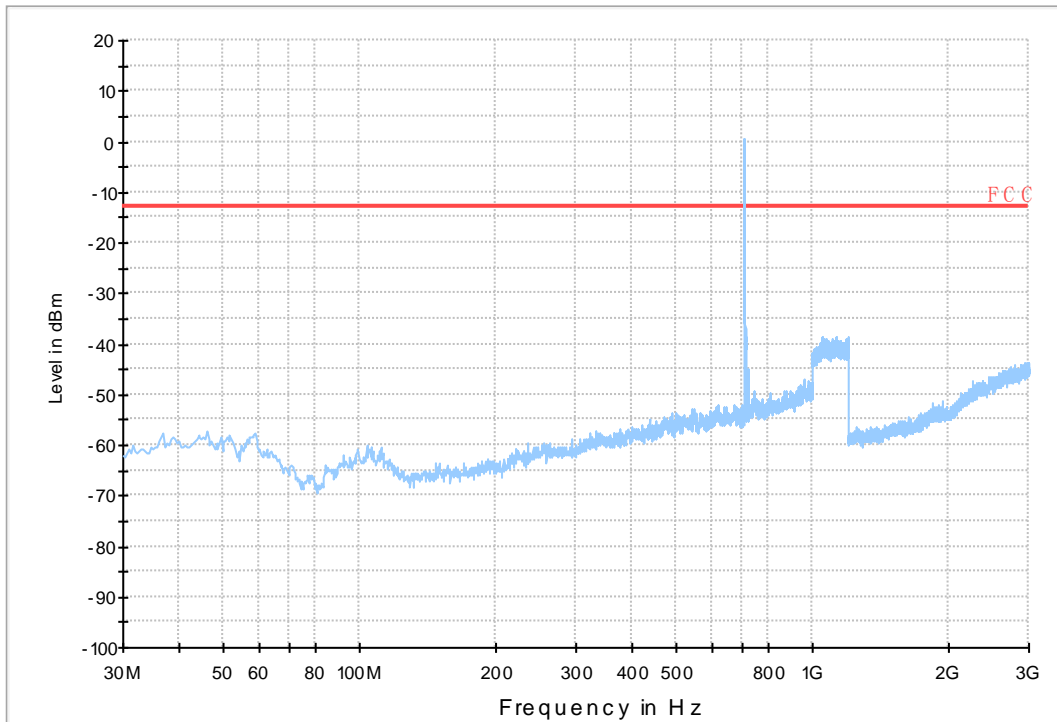
Copy of RSE-TX-DIRECTOR BELOW 1G_H



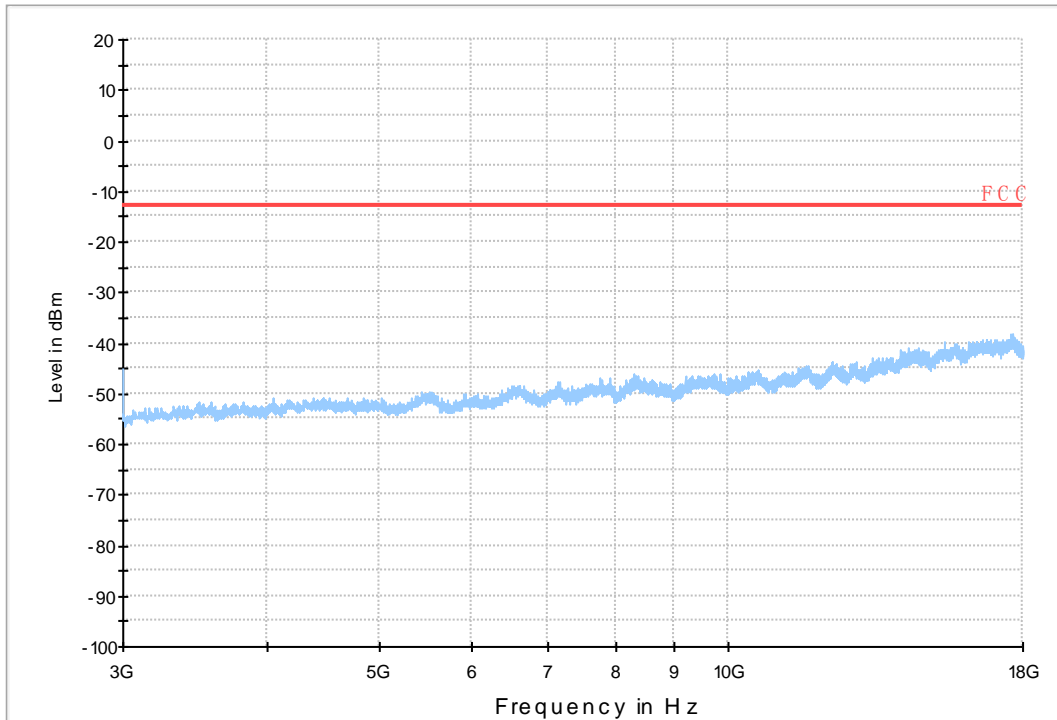
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

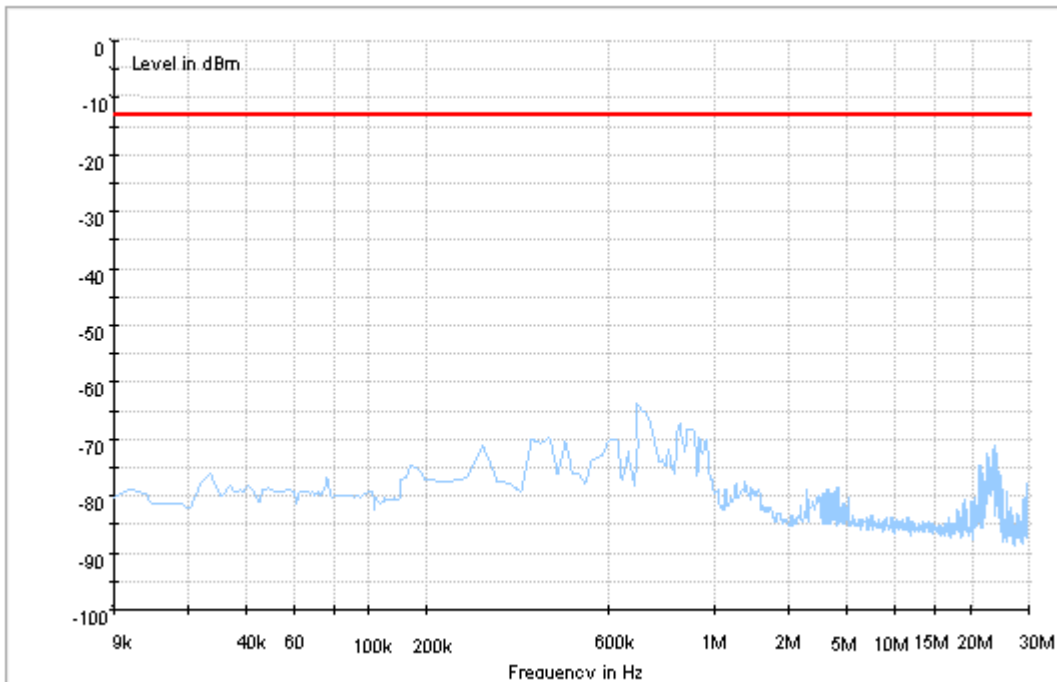


Copy of RSE-TX-DIRECTOR BELOW 1G_H

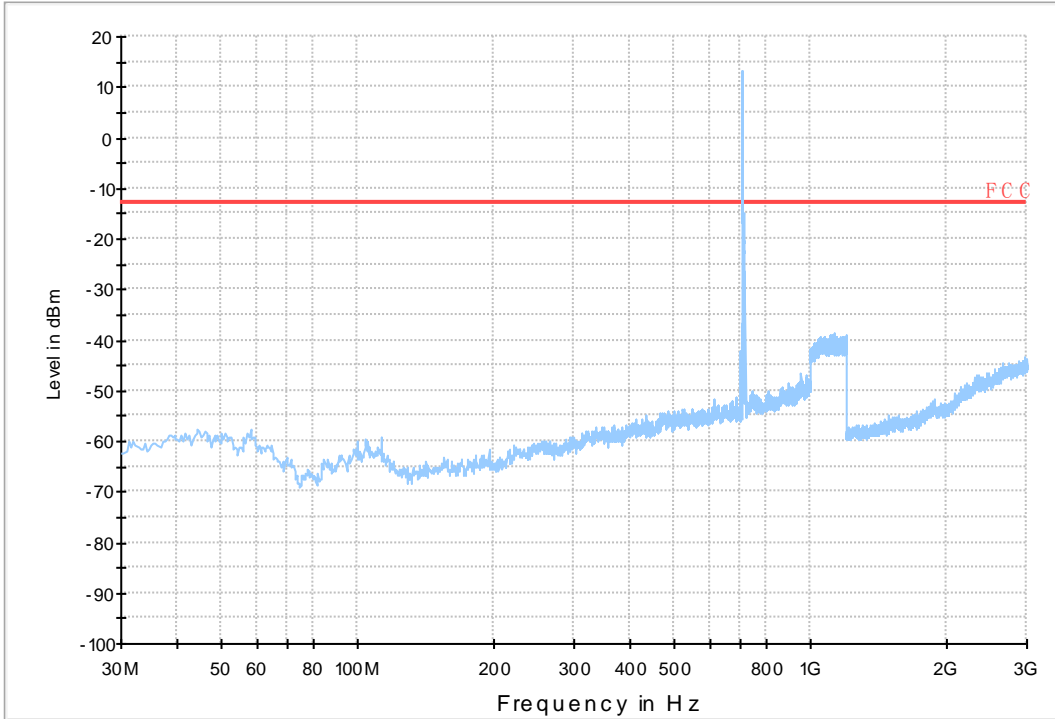


7.2.1 Test Band = BAND17_ANT2

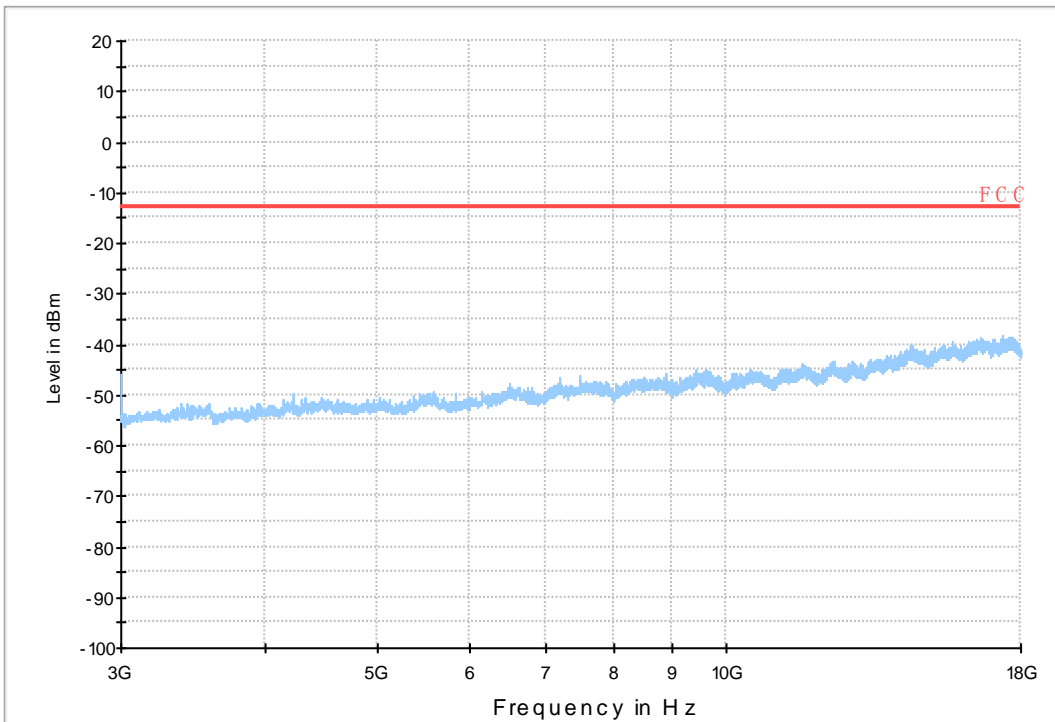
7.2.1.1 Test Bandwidth = 5



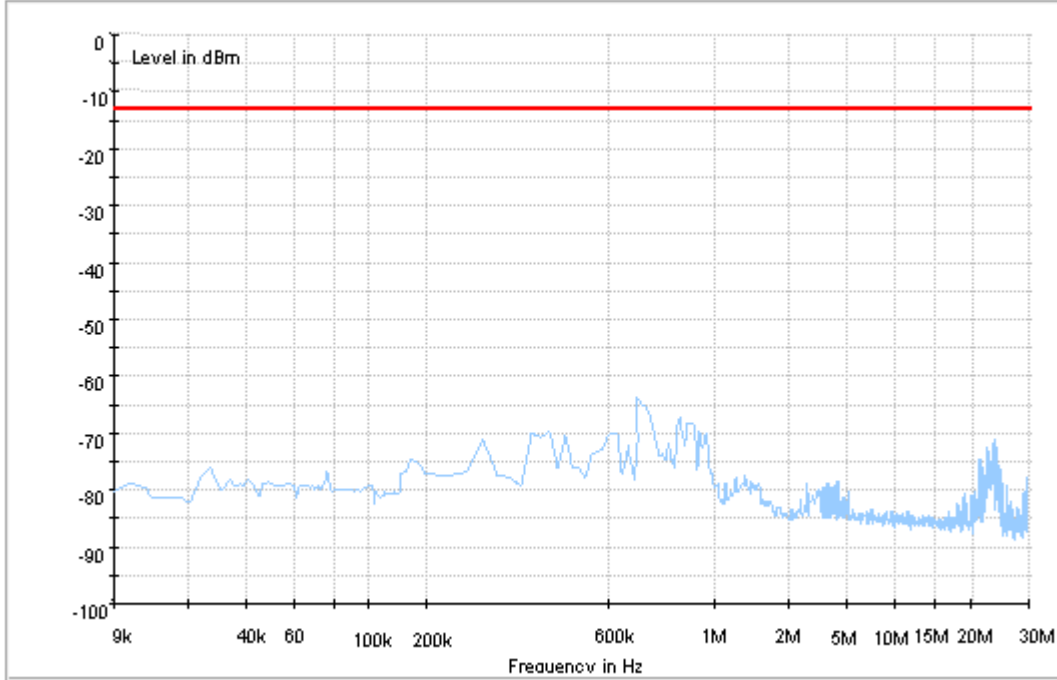
Copy of RSE-TX-DIRECTOR BELOW 1G_L



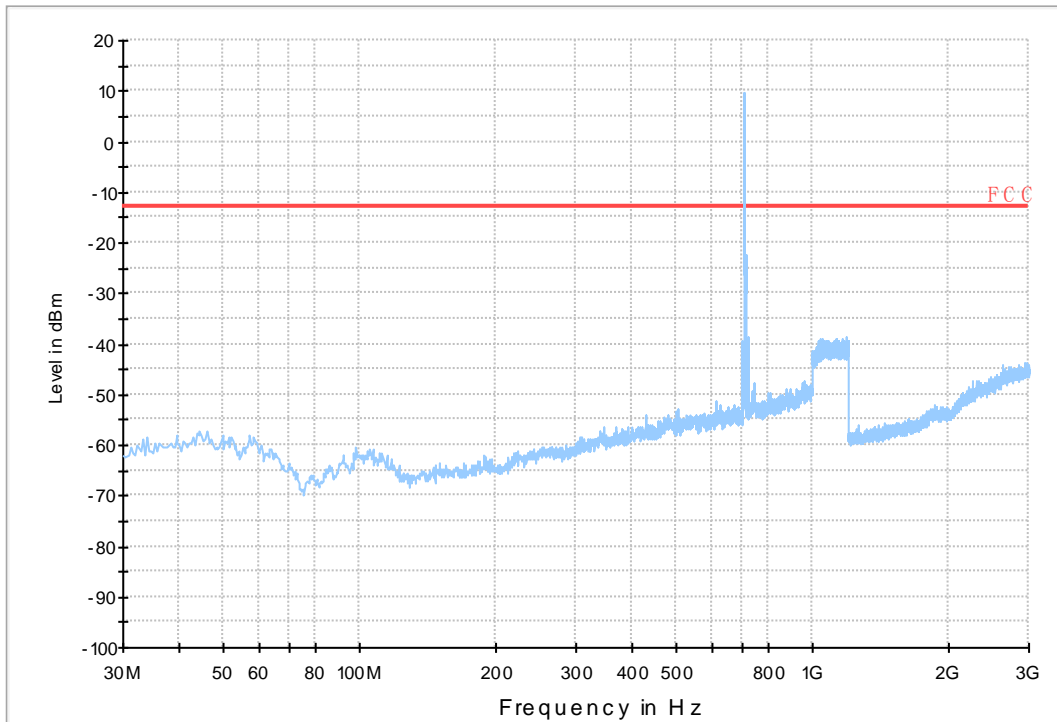
Copy of RSE-TX-DIRECTOR BELOW 1G_H



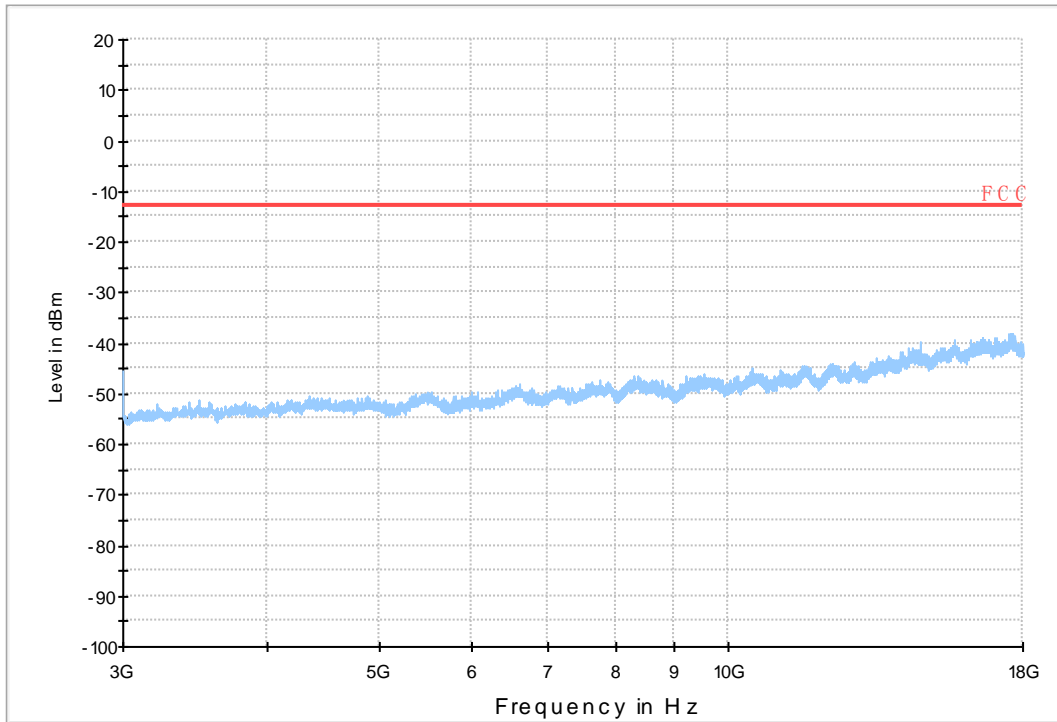
7.2.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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	6.17	0.00873	PASS
					VN	-0.20	-0.00028	PASS
					VH	-4.38	-0.0062	PASS
			MCH	TN	VL	1.27	0.00179	PASS
					VN	-1.83	-0.00258	PASS
					VH	0.33	0.00046	PASS
		HCH	TN	VL	3.49	0.00489	PASS	
				VN	-0.34	-0.00048	PASS	
				VH	1.75	0.00245	PASS	
		10	LCH	TN	VL	-6.31	-0.0089	PASS
					VN	-0.67	-0.00094	PASS
					VH	-5.35	-0.00755	PASS
	MCH		TN	VL	1.40	0.00197	PASS	
				VN	1.37	0.00193	PASS	
				VH	0.64	0.0009	PASS	
	HCH	TN	VL	-0.63	-0.00089	PASS		
			VN	-8.43	-0.01186	PASS		
			VH	-9.13	-0.01284	PASS		
	LTE/TM2	5	LCH	TN	VL	13.00	0.0184	PASS
					VN	-2.82	-0.00399	PASS
					VH	3.39	0.0048	PASS
			MCH	TN	VL	-3.45	-0.00486	PASS
					VN	-1.20	-0.00169	PASS
					VH	2.27	0.0032	PASS
HCH		TN	VL	1.42	0.00199	PASS		
			VN	2.63	0.00369	PASS		
			VH	-1.37	-0.00192	PASS		
10		LCH	TN	VL	0.77	0.00109	PASS	
				VN	1.39	0.00196	PASS	
				VH	0.53	0.00075	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	0.21	0.0003	PASS
					VN	-0.06	-0.00008	PASS
					VH	-0.92	-0.0013	PASS
			HCH	TN	VL	4.62	0.0065	PASS
					VN	3.86	0.00543	PASS
					VH	3.52	0.00495	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	-0.86	-0.00122	PASS
					-20	1.19	0.00168	PASS
					-10	-3.25	-0.0046	PASS
					0	0.66	0.00093	PASS
					10	0.94	0.00133	PASS
					20	-3.68	-0.00521	PASS
					30	2.52	0.00357	PASS
					40	2.78	0.00393	PASS
			MCH	VN	-30	-1.69	-0.00238	PASS
					-20	-2.35	-0.00331	PASS
					-10	5.24	0.00738	PASS
					0	-3.92	-0.00552	PASS
					10	-3.35	-0.00472	PASS
					20	-0.89	-0.00125	PASS
					30	-0.26	-0.00037	PASS
					40	4.03	0.00568	PASS
			HCH	VN	-30	-0.74	-0.00104	PASS
					-20	-1.43	-0.002	PASS
					-10	1.13	0.00158	PASS
					0	0.30	0.00042	PASS
					10	-0.84	-0.00118	PASS
					20	-1.97	-0.00276	PASS
					30	1.87	0.00262	PASS
					40	-2.22	-0.00311	PASS
				50	1.80	0.00252	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	VN	-30	-3.56	-0.00502	PASS
					-20	-13.90	-0.01961	PASS
					-10	-9.21	-0.01299	PASS
					0	-18.24	-0.02573	PASS
					10	-15.09	-0.02128	PASS
					20	-17.67	-0.02492	PASS
					30	-14.36	-0.02025	PASS
					40	-20.16	-0.02843	PASS
					50	-15.85	-0.02236	PASS
			MCH	VN	-30	14.15	0.01993	PASS
					-20	17.18	0.0242	PASS
					-10	14.99	0.02111	PASS
					0	19.40	0.02732	PASS
					10	19.00	0.02676	PASS
					20	14.63	0.02061	PASS
					30	13.68	0.01927	PASS
					40	19.20	0.02704	PASS
					50	14.76	0.02079	PASS
			HCH	VN	-30	8.50	0.01195	PASS
					-20	16.87	0.02373	PASS
					-10	11.07	0.01557	PASS
					0	8.20	0.01153	PASS
					10	12.96	0.01823	PASS
					20	13.13	0.01847	PASS
	30	17.04			0.02397	PASS		
	40	9.84			0.01384	PASS		
	50	12.75			0.01793	PASS		
	LTE/TM2	5	LCH	VN	-30	8.24	0.01166	PASS
					-20	1.04	0.00147	PASS
					-10	-4.98	-0.00705	PASS
					0	0.87	0.00123	PASS
					10	1.29	0.00183	PASS
					20	-4.71	-0.00667	PASS
					30	-2.30	-0.00326	PASS
					40	-0.17	-0.00024	PASS
					50	-3.50	-0.00495	PASS
MCH			VN	-30	1.19	0.00168	PASS	
				-20	0.40	0.00056	PASS	
				-10	-1.87	-0.00263	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	1.06	0.00149	PASS
					10	-1.16	-0.00163	PASS
					20	-2.07	-0.00292	PASS
					30	0.33	0.00046	PASS
					40	-5.02	-0.00707	PASS
					50	1.19	0.00168	PASS
			HCH	VN	-30	0.13	0.00018	PASS
					-20	-2.65	-0.00371	PASS
					-10	-0.41	-0.00057	PASS
					0	-0.11	-0.00015	PASS
					10	1.09	0.00153	PASS
					20	-1.42	-0.00199	PASS
					30	-2.95	-0.00413	PASS
					40	-1.80	-0.00252	PASS
		LCH	VN	50	-0.92	-0.00129	PASS	
				-30	0.07	0.0001	PASS	
				-20	-0.47	-0.00066	PASS	
				-10	-5.21	-0.00735	PASS	
				0	-0.49	-0.00069	PASS	
				10	-0.99	-0.0014	PASS	
				20	-0.11	-0.00016	PASS	
				30	-0.19	-0.00027	PASS	
				40	0.07	0.0001	PASS	
				50	-2.73	-0.00385	PASS	
		MCH	VN	-30	0.36	0.00051	PASS	
				-20	-0.03	-0.00004	PASS	
				-10	-6.39	-0.009	PASS	
				0	-3.28	-0.00462	PASS	
				10	-3.43	-0.00483	PASS	
				20	-6.59	-0.00928	PASS	
				30	-5.94	-0.00837	PASS	
				40	-3.45	-0.00486	PASS	
		HCH	VN	50	-5.51	-0.00776	PASS	
				-30	-5.76	-0.0081	PASS	
				-20	-1.47	-0.00207	PASS	
				-10	-0.31	-0.00044	PASS	
				0	2.00	0.00281	PASS	
				10	2.66	0.00374	PASS	
		20	0.92	0.00129	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	1.57	0.00221	PASS
					40	-0.27	-0.00038	PASS
					50	-0.39	-0.00055	PASS

END