



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	Limit [dBm]	Verdict
BAND17	LTE/TM1	5	LCH	RB1#0	23.56	17.78	34.7	PASS
				RB1#13	23.59	17.90	34.7	PASS
				RB1#24	23.6	17.75	34.7	PASS
				RB12#0	22.29	16.61	34.7	PASS
				RB12#6	22.32	16.68	34.7	PASS
				RB12#13	22.38	16.78	34.7	PASS
				RB25#0	22.29	16.54	34.7	PASS
			MCH	RB1#0	23.57	17.89	34.7	PASS
				RB1#13	23.51	17.79	34.7	PASS
				RB1#24	23.52	17.82	34.7	PASS
				RB12#0	22.29	16.53	34.7	PASS
				RB12#6	22.21	16.54	34.7	PASS
				RB12#13	22.32	16.59	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict	
				RB25#0	22.29	16.57	34.7	PASS	
			HCH	RB1#0	23.53	17.67	34.7	PASS	
				RB1#13	23.51	17.62	34.7	PASS	
				RB1#24	23.54	17.70	34.7	PASS	
				RB12#0	22.42	16.71	34.7	PASS	
				RB12#6	22.34	16.55	34.7	PASS	
				RB12#13	22.31	16.56	34.7	PASS	
				RB25#0	22.24	16.49	34.7	PASS	
		10	LCH	RB1#0	23.58	17.81	34.7	PASS	
				RB1#25	23.47	17.80	34.7	PASS	
				RB1#49	23.56	17.72	34.7	PASS	
				RB25#0	22.3	16.65	34.7	PASS	
				RB25#13	22.31	16.55	34.7	PASS	
				RB25#25	22.39	16.70	34.7	PASS	
				RB50#0	22.3	16.44	34.7	PASS	
				MCH	RB1#0	23.7	18.02	34.7	PASS
					RB1#25	23.38	17.66	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict		
				RB1#49	23.68	18.07	34.7	PASS		
				RB25#0	22.35	16.68	34.7	PASS		
				RB25#13	22.28	16.50	34.7	PASS		
				RB25#25	22.36	16.74	34.7	PASS		
				RB50#0	22.32	16.53	34.7	PASS		
			HCH	RB1#0	23.8	17.97	34.7	PASS		
				RB1#25	23.4	17.66	34.7	PASS		
				RB1#49	23.66	17.91	34.7	PASS		
				RB25#0	22.36	16.48	34.7	PASS		
				RB25#13	22.24	16.35	34.7	PASS		
				RB25#25	22.32	16.49	34.7	PASS		
				RB50#0	22.37	16.73	34.7	PASS		
			LTE/TM2	5	LCH	RB1#0	22.81	16.98	34.7	PASS
						RB1#13	22.84	17.06	34.7	PASS
						RB1#24	22.81	17.10	34.7	PASS
RB12#0	21.47	15.83				34.7	PASS			
RB12#6	21.54	15.82				34.7	PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict			
				RB12#13	21.53	15.77	34.7	PASS			
				RB25#0	21.51	15.78	34.7	PASS			
			MCH	RB1#0	22.81	17.14	34.7	PASS			
				RB1#13	22.86	17.21	34.7	PASS			
				RB1#24	22.92	17.15	34.7	PASS			
				RB12#0	21.59	15.79	34.7	PASS			
				RB12#6	21.57	15.90	34.7	PASS			
				RB12#13	21.57	15.95	34.7	PASS			
				RB25#0	21.54	15.88	34.7	PASS			
				HCH	RB1#0	22.85	16.99	34.7	PASS		
			RB1#13		22.84	17.00	34.7	PASS			
			RB1#24		22.78	17.16	34.7	PASS			
			RB12#0		21.5	15.89	34.7	PASS			
			RB12#6		21.44	15.81	34.7	PASS			
			RB12#13		21.54	15.83	34.7	PASS			
							RB25#0	21.59	15.86	34.7	PASS
					10	LCH	RB1#0	22.49	16.64	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB1#25	22.08	16.43	34.7	PASS
				RB1#49	22.53	16.79	34.7	PASS
				RB25#0	21.5	15.74	34.7	PASS
				RB25#13	21.5	15.69	34.7	PASS
				RB25#25	21.48	15.61	34.7	PASS
				RB50#0	21.44	15.72	34.7	PASS
			MCH	RB1#0	22.54	16.76	34.7	PASS
			MCH	RB1#25	22.16	16.39	34.7	PASS
			MCH	RB1#49	22.68	17.07	34.7	PASS
			MCH	RB25#0	21.49	15.70	34.7	PASS
			MCH	RB25#13	21.37	15.51	34.7	PASS
			MCH	RB25#25	21.5	15.81	34.7	PASS
			MCH	RB50#0	21.45	15.65	34.7	PASS
			HCH	RB1#0	22.56	16.84	34.7	PASS
			HCH	RB1#25	22.34	16.74	34.7	PASS
			HCH	RB1#49	22.62	16.81	34.7	PASS
			HCH	RB25#0	21.48	15.85	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB25#13	21.44	15.56	34.7	PASS
				RB25#25	21.51	15.89	34.7	PASS
				RB50#0	21.47	15.75	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	3.91	13	PASS
				RB1#13	3.57	13	PASS
				RB1#24	3.54	13	PASS
				RB12#0	4.93	13	PASS
				RB12#6	4.75	13	PASS
				RB12#13	4.89	13	PASS
				RB25#0	5.55	13	PASS
			MCH	RB1#0	3.56	13	PASS
				RB1#13	3.4	13	PASS
				RB1#24	3.73	13	PASS
				RB12#0	5	13	PASS
				RB12#6	4.8	13	PASS
				RB12#13	5.03	13	PASS
				RB25#0	5.38	13	PASS
		HCH	RB1#0	3.99	13	PASS	
			RB1#13	4.17	13	PASS	
			RB1#24	4	13	PASS	
			RB12#0	5.11	13	PASS	
			RB12#6	5.24	13	PASS	
			RB12#13	5.24	13	PASS	
			RB25#0	5.41	13	PASS	
		10	LCH	RB1#0	3.68	13	PASS
				RB1#25	3.76	13	PASS
				RB1#49	4.23	13	PASS
				RB25#0	5.13	13	PASS
				RB25#13	4.8	13	PASS
				RB25#25	5.04	13	PASS
				RB50#0	5.96	13	PASS
MCH	RB1#0		3.63	13	PASS		
	RB1#25		3.39	13	PASS		
	RB1#49		4.09	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	4.98	13	PASS
				RB25#13	4.91	13	PASS
				RB25#25	5.27	13	PASS
				RB50#0	5.64	13	PASS
			HCH	RB1#0	3.48	13	PASS
				RB1#25	3.2	13	PASS
				RB1#49	3.77	13	PASS
				RB25#0	4.91	13	PASS
				RB25#13	4.95	13	PASS
				RB25#25	5.33	13	PASS
			RB50#0	5.51	13	PASS	
			LCH	RB1#0	4.72	13	PASS
				RB1#13	4.3	13	PASS
				RB1#24	4.29	13	PASS
				RB12#0	5.61	13	PASS
	RB12#6	5.58		13	PASS		
	RB12#13	5.85		13	PASS		
	RB25#0	6.23		13	PASS		
	MCH	RB1#0		4.43	13	PASS	
		RB1#13		4.18	13	PASS	
		RB1#24		4.41	13	PASS	
		RB12#0		5.7	13	PASS	
		RB12#6		5.57	13	PASS	
		RB12#13	5.7	13	PASS		
	RB25#0	6.05	13	PASS			
	HCH	RB1#0	4.42	13	PASS		
		RB1#13	4.61	13	PASS		
		RB1#24	4.29	13	PASS		
		RB12#0	5.74	13	PASS		
		RB12#6	5.96	13	PASS		
RB12#13		5.96	13	PASS			
RB25#0	6.11	13	PASS				
10	LCH	RB1#0	4.5	13	PASS		
		RB1#25	4.47	13	PASS		
		RB1#49	4.79	13	PASS		
		RB25#0	5.83	13	PASS		
		RB25#13	5.62	13	PASS		
		RB25#25	5.93	13	PASS		
		RB50#0	6.41	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.7	13	PASS
				RB1#25	5.03	13	PASS
				RB1#49	5.23	13	PASS
				RB25#0	5.76	13	PASS
				RB25#13	5.57	13	PASS
				RB25#25	5.83	13	PASS
				RB50#0	6.44	13	PASS
			HCH	RB1#0	4.33	13	PASS
				RB1#25	4.66	13	PASS
				RB1#49	4.89	13	PASS
				RB25#0	5.74	13	PASS
				RB25#13	5.62	13	PASS
				RB25#25	6.04	13	PASS
				RB50#0	6.49	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

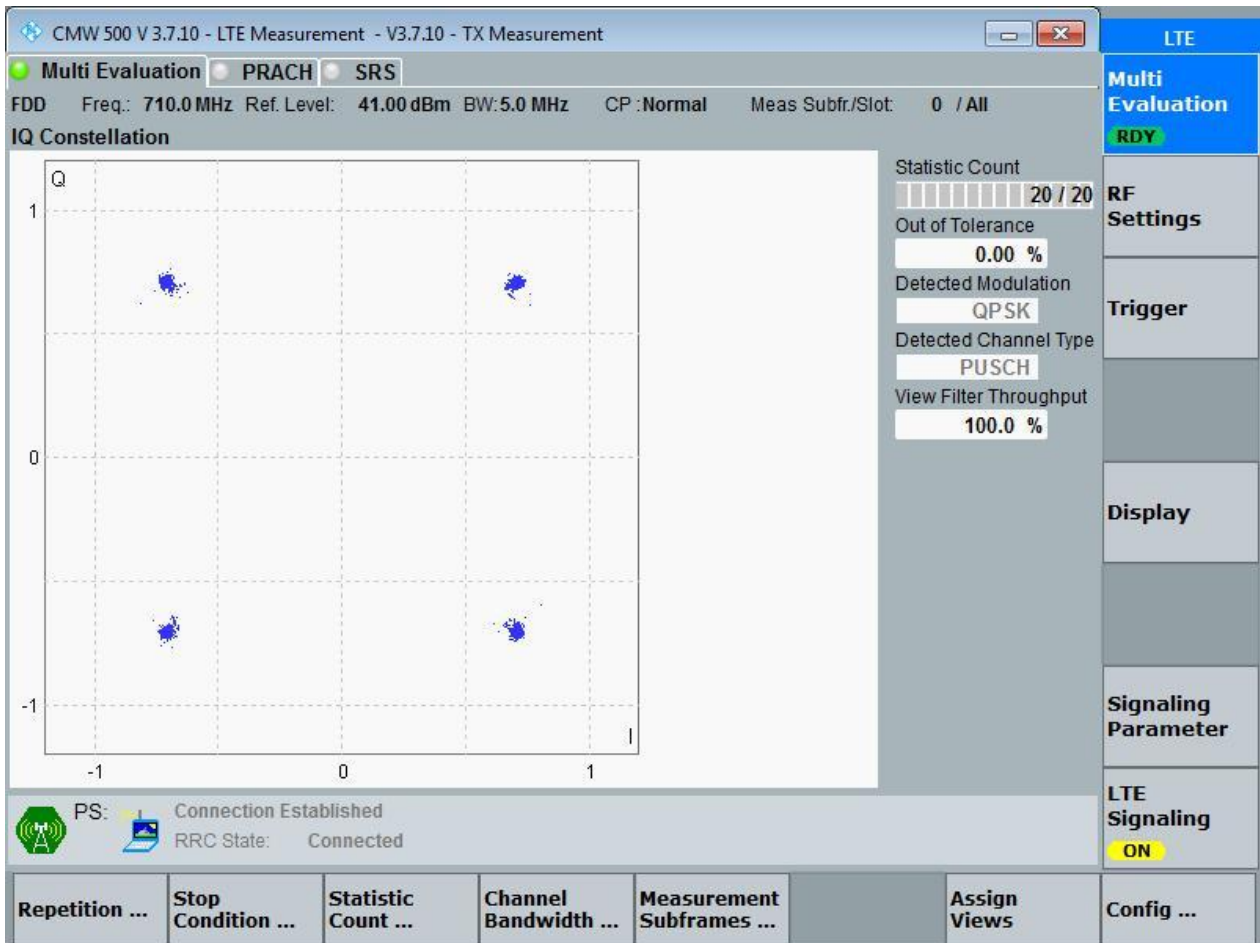
3.1.1 Test Band = BAND17

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

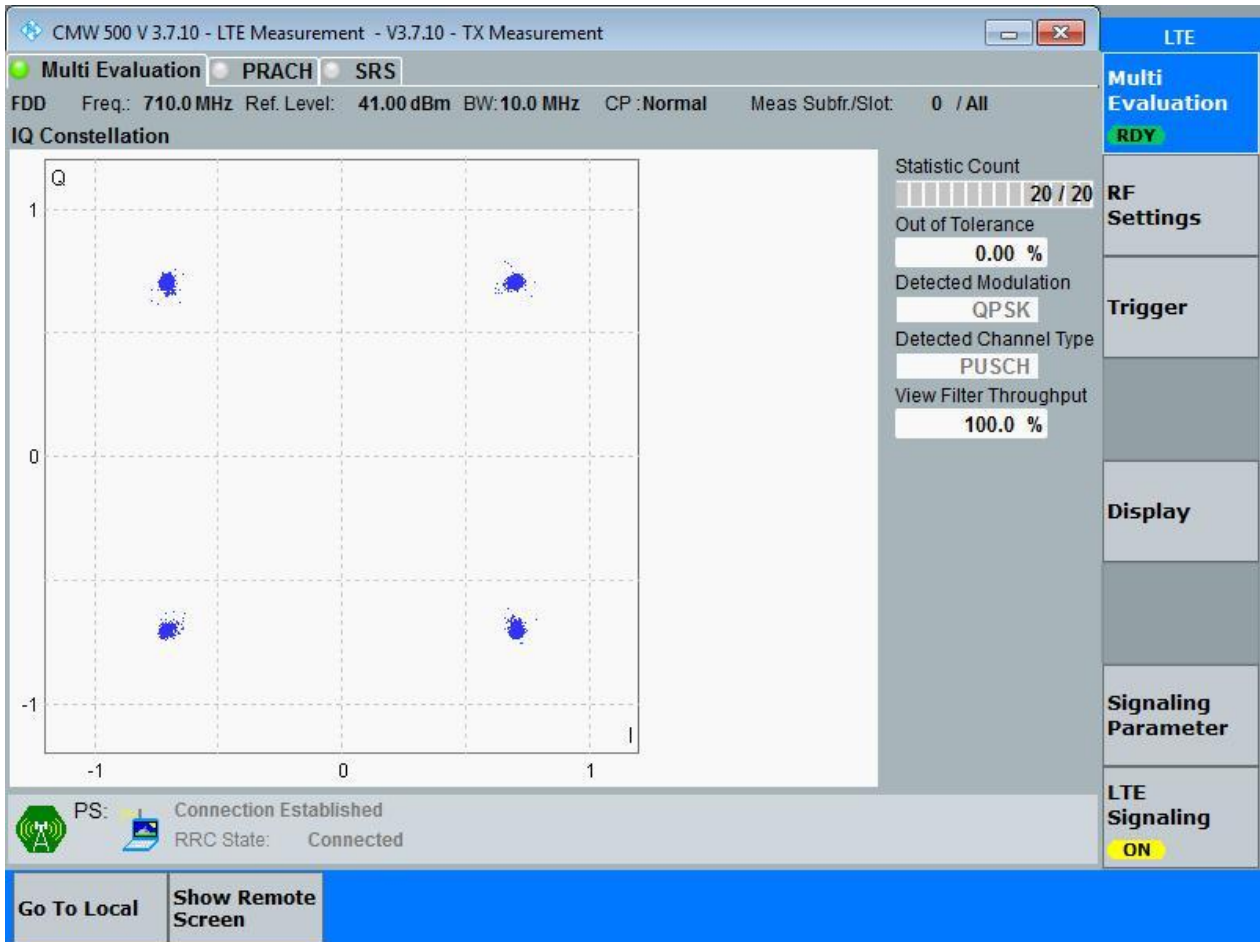
3.1.1.1.1.1.1 Test RB = RB25#0



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

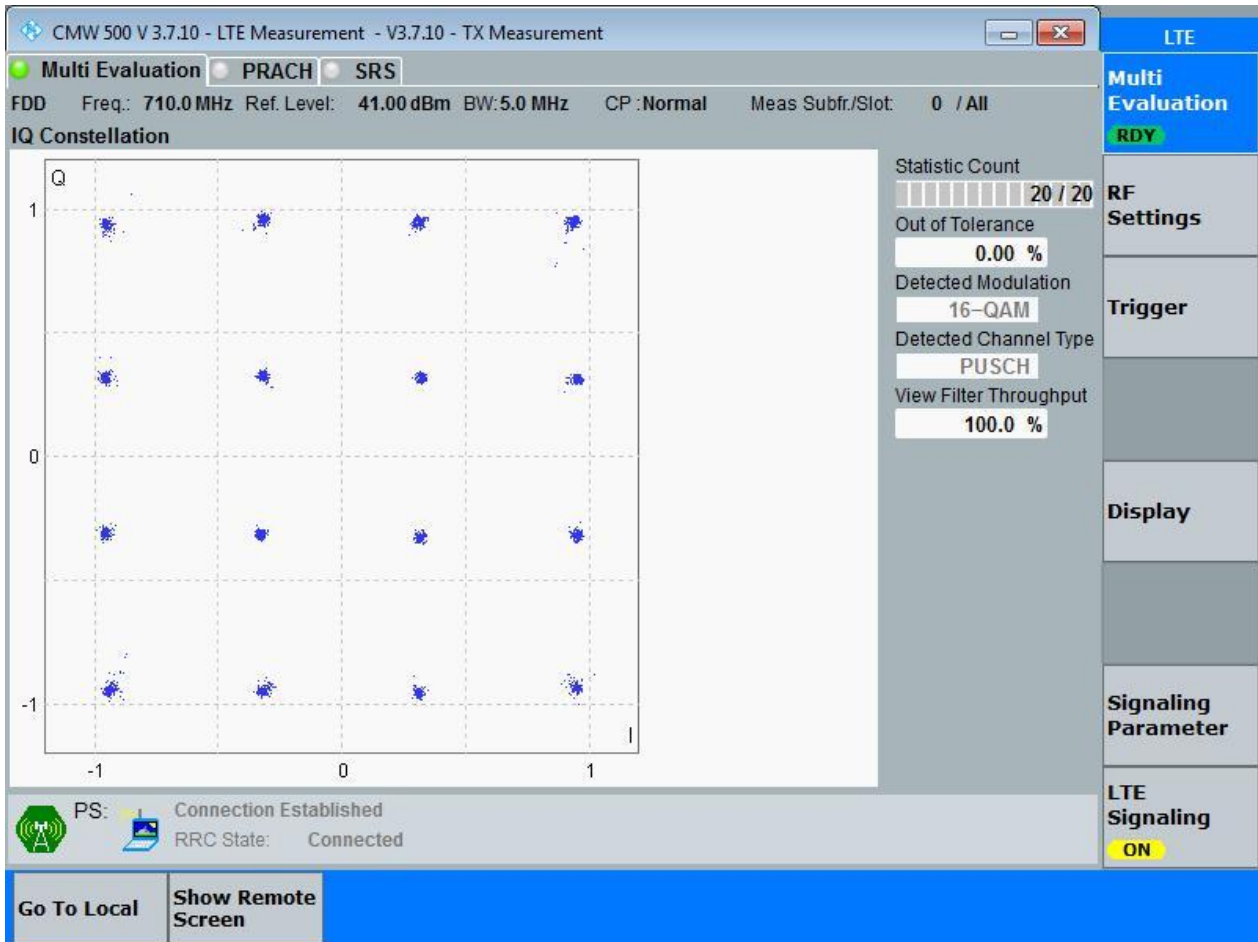


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

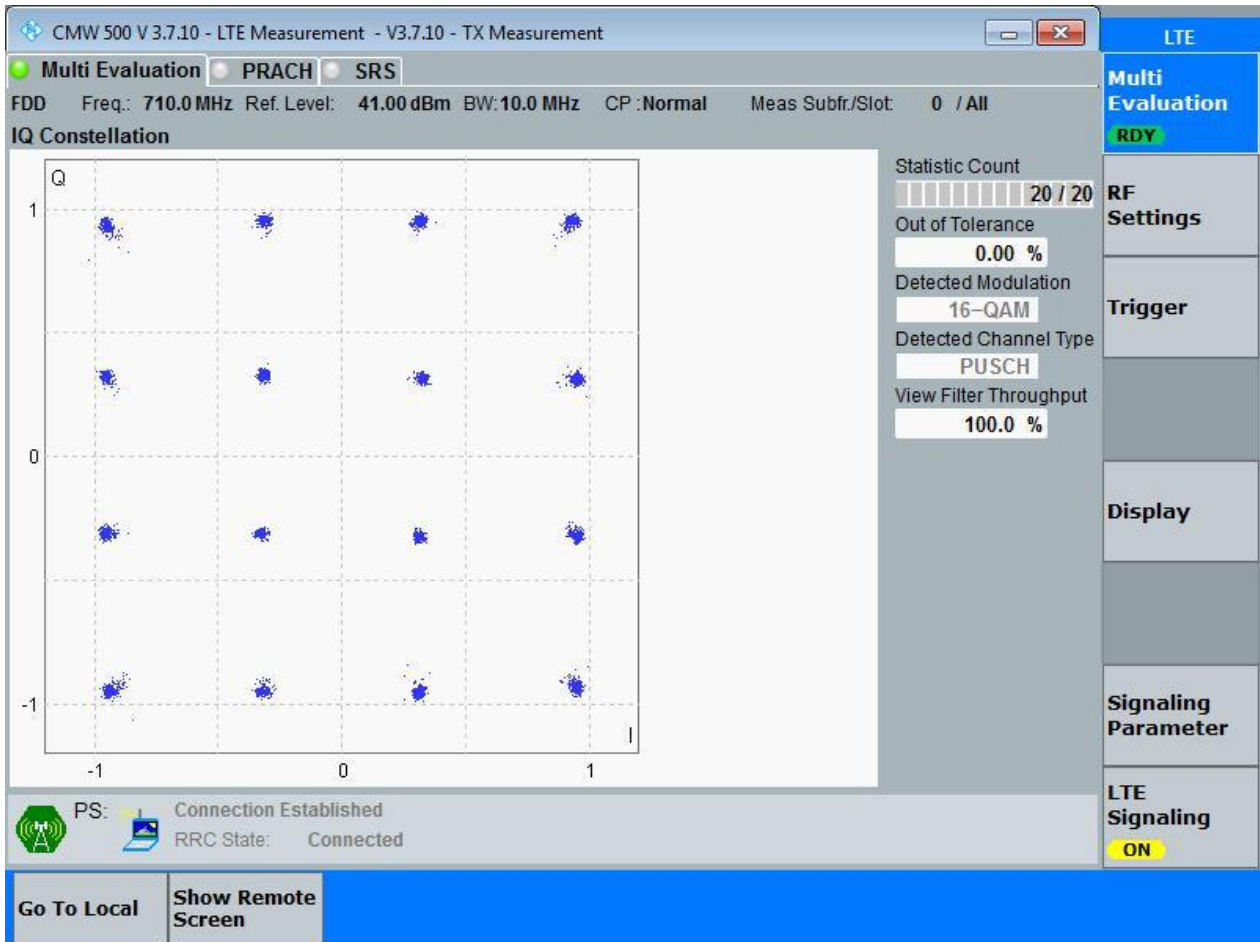
3.1.1.2.1.1.1 Test RB = RB25#0



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	4.99	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.49	4.96	Pass
		10	LCH	RB50#0	9.00	9.90	Pass
			MCH	RB50#0	8.98	9.87	Pass
			HCH	RB50#0	8.95	9.88	Pass
	LTE/TM2	5	LCH	RB25#0	4.52	4.99	Pass
			MCH	RB25#0	4.52	4.93	Pass
			HCH	RB25#0	4.50	4.95	Pass
		10	LCH	RB50#0	9.03	9.92	Pass
			MCH	RB50#0	8.98	9.90	Pass
			HCH	RB50#0	8.95	9.83	Pass



Part II - Test Plots

4.1 For LTE

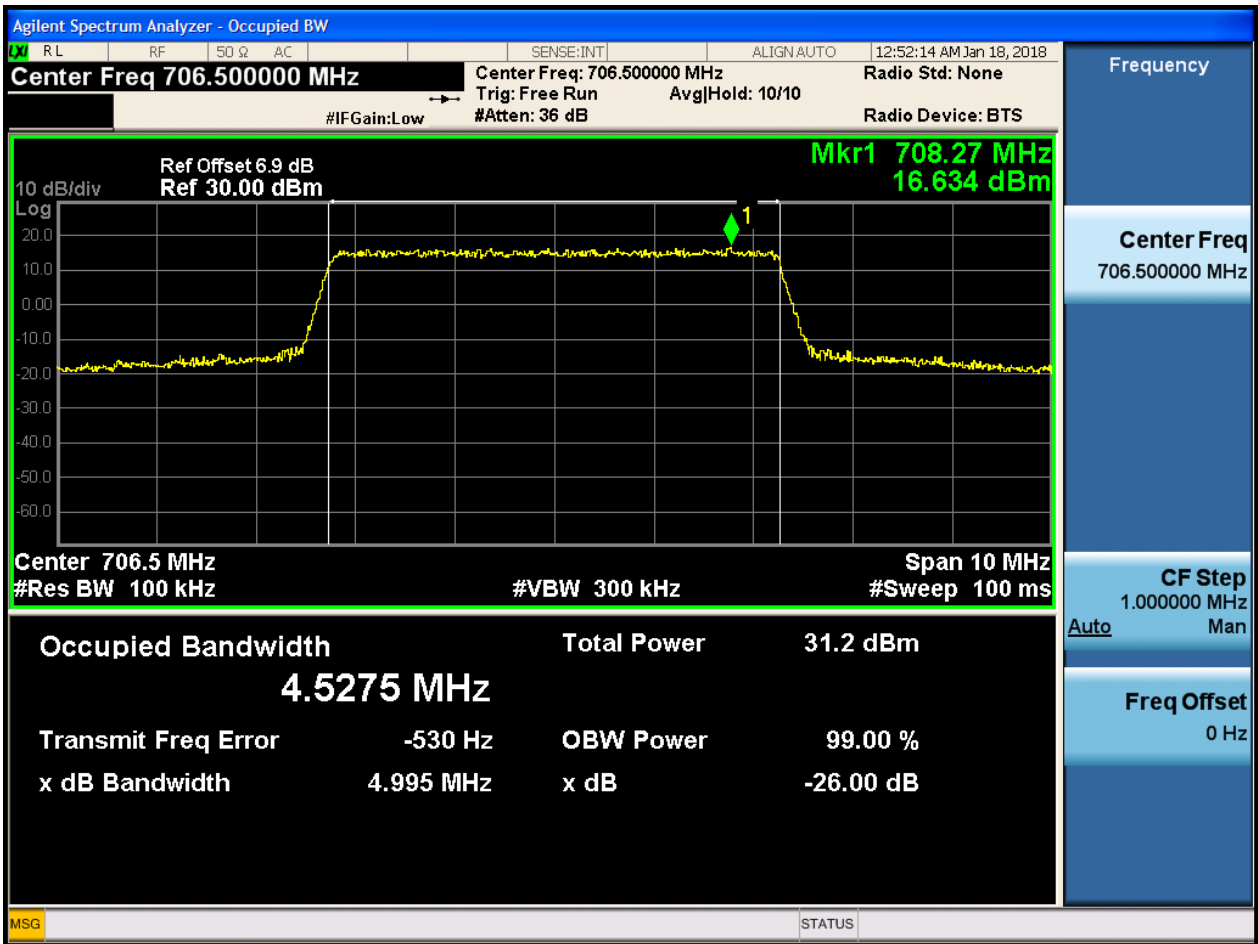
4.1.1 Test Band = BAND17

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

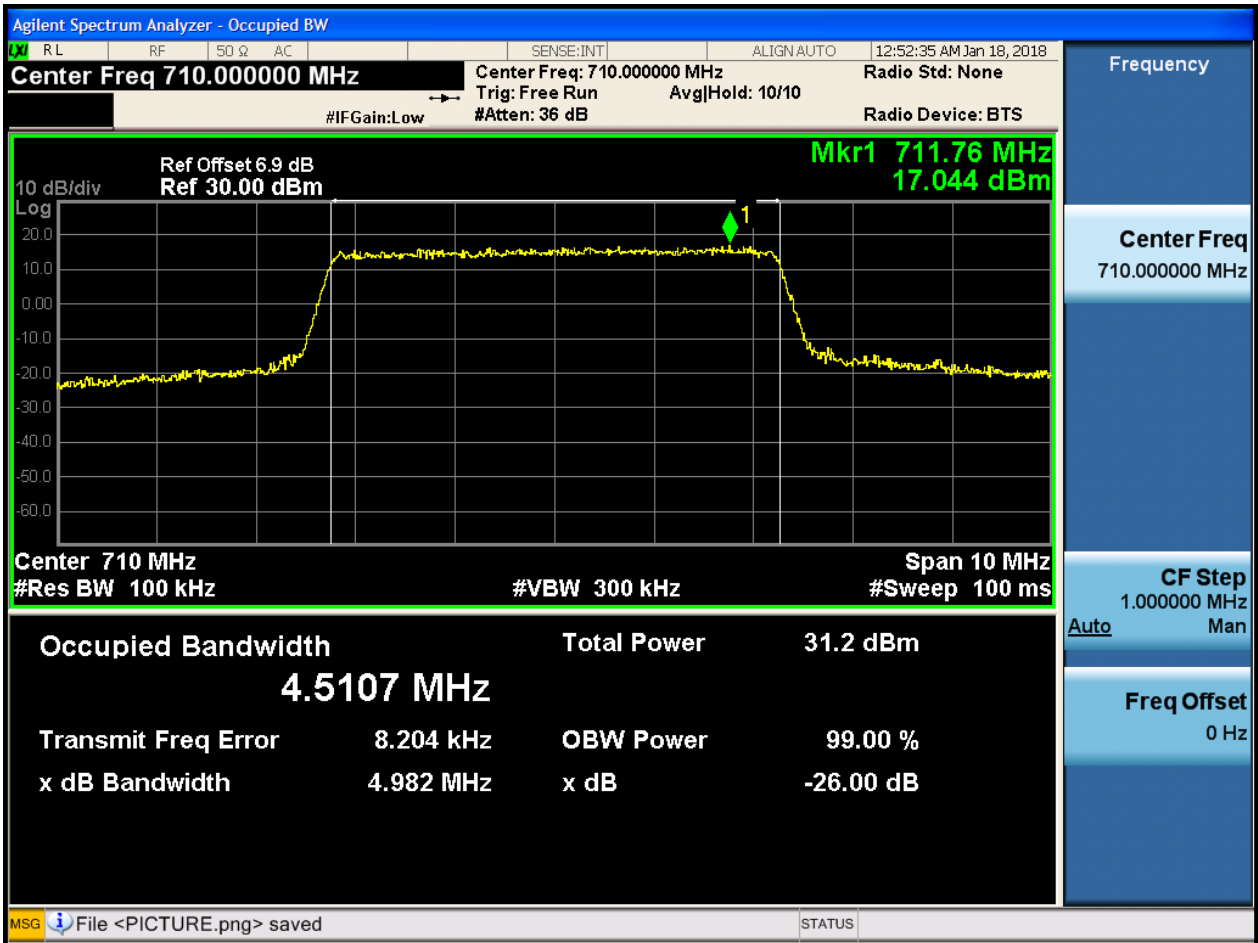
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

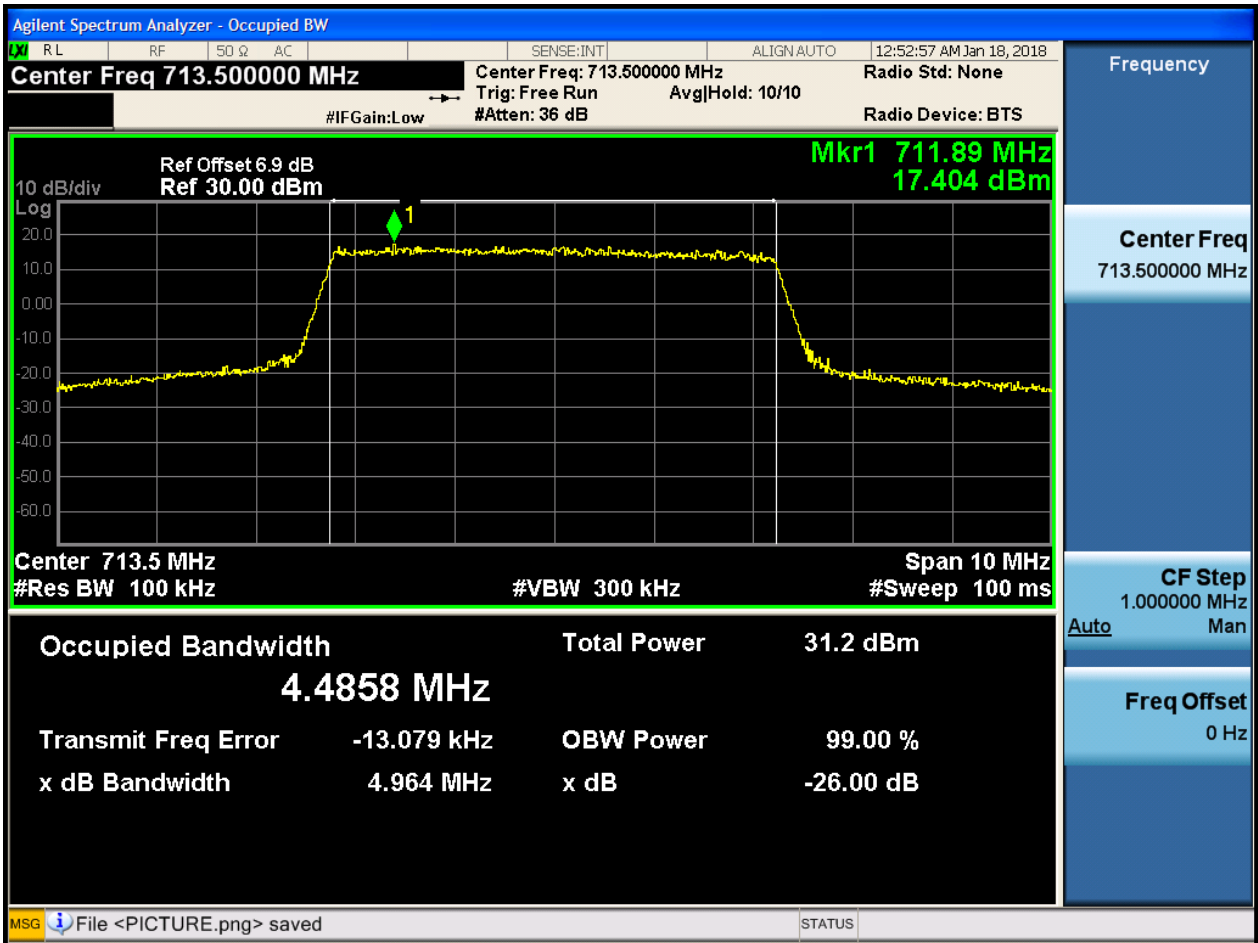
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

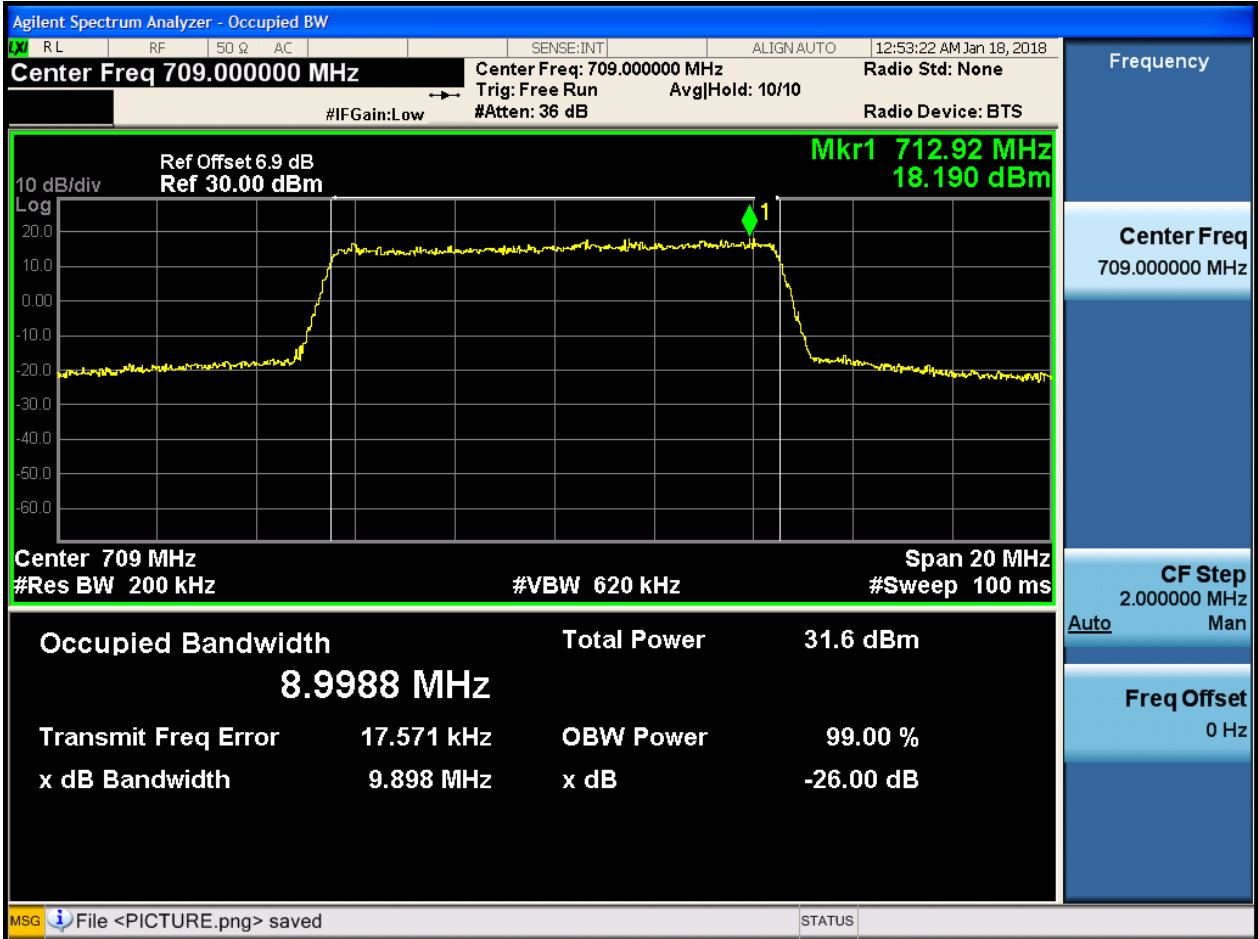




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

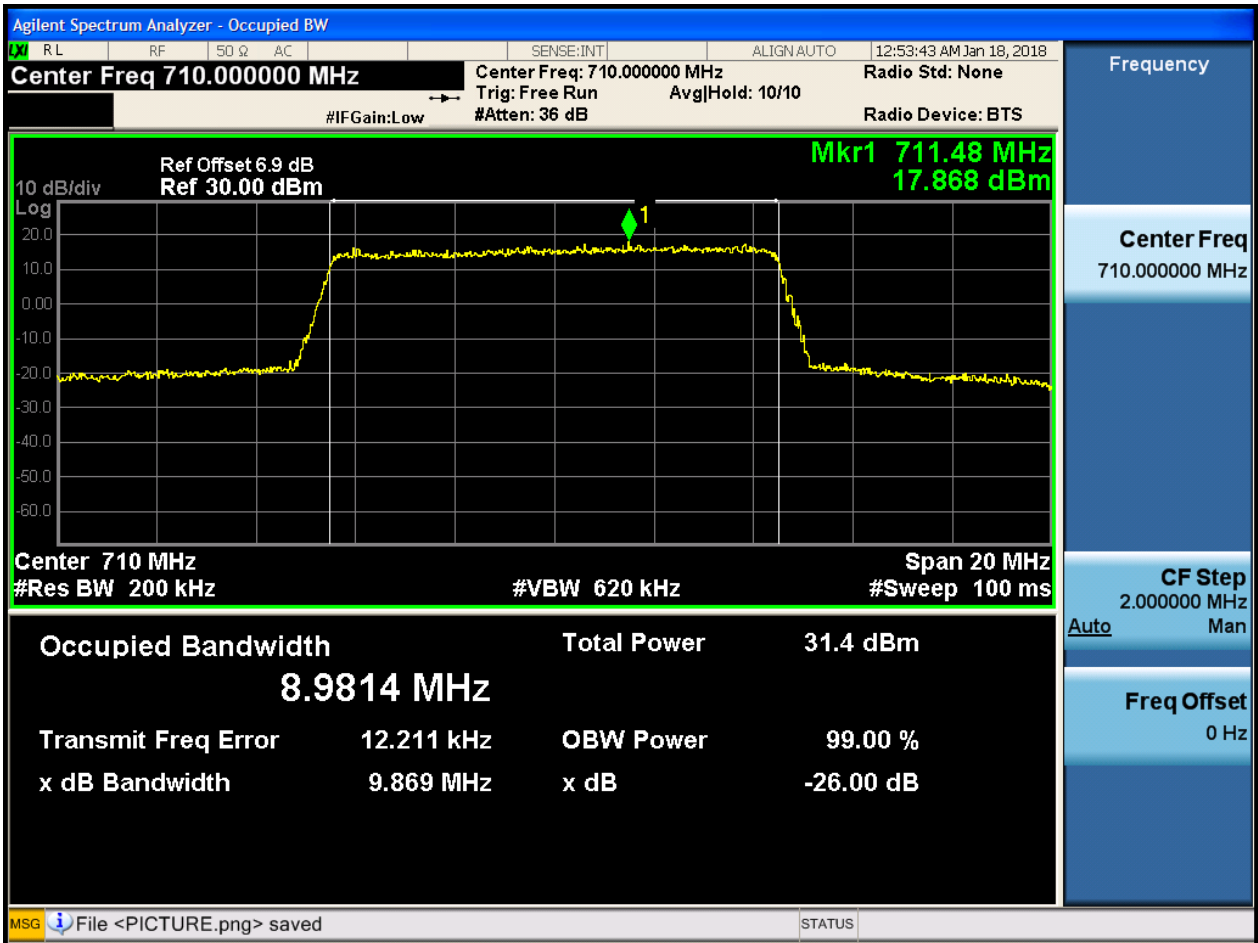
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

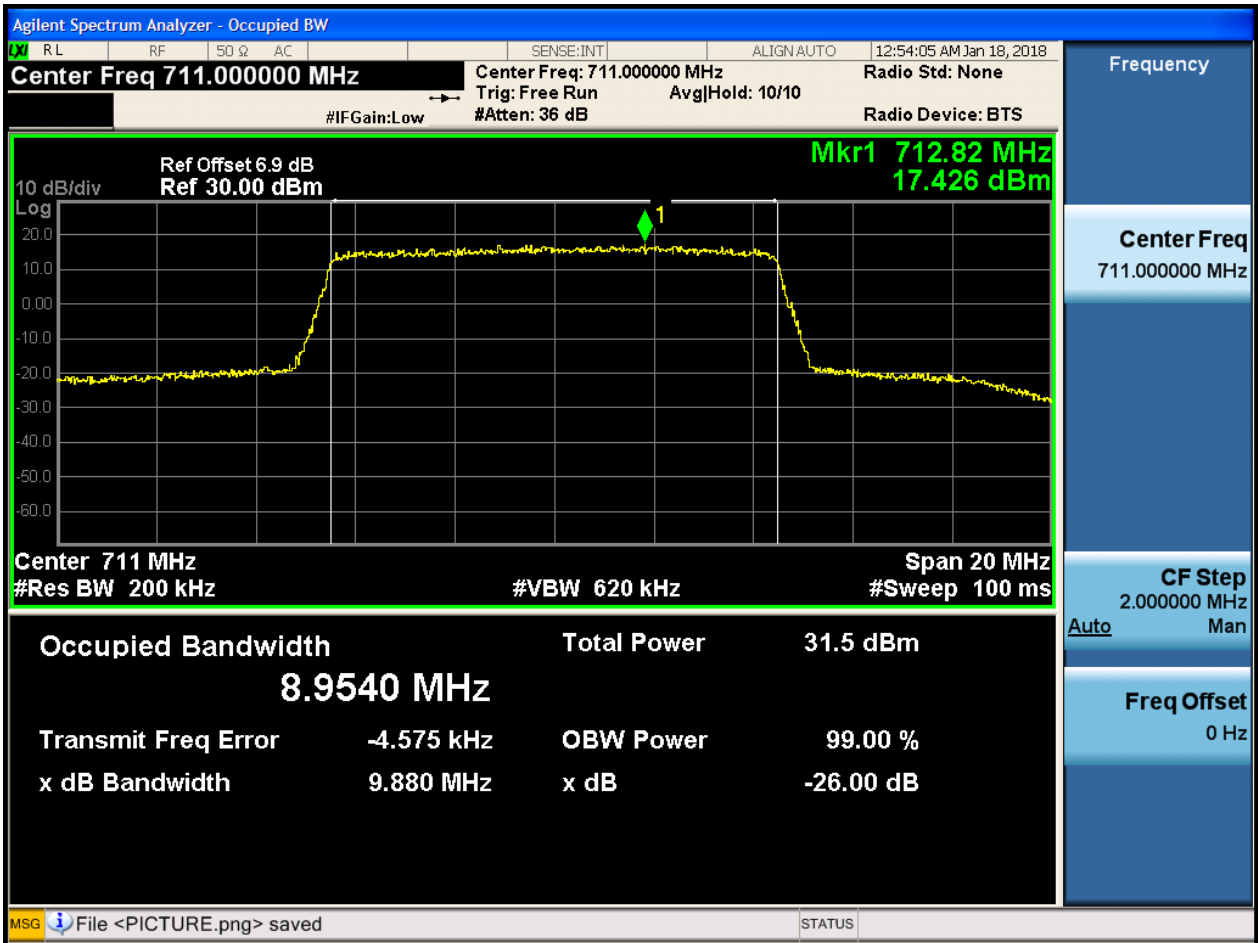
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



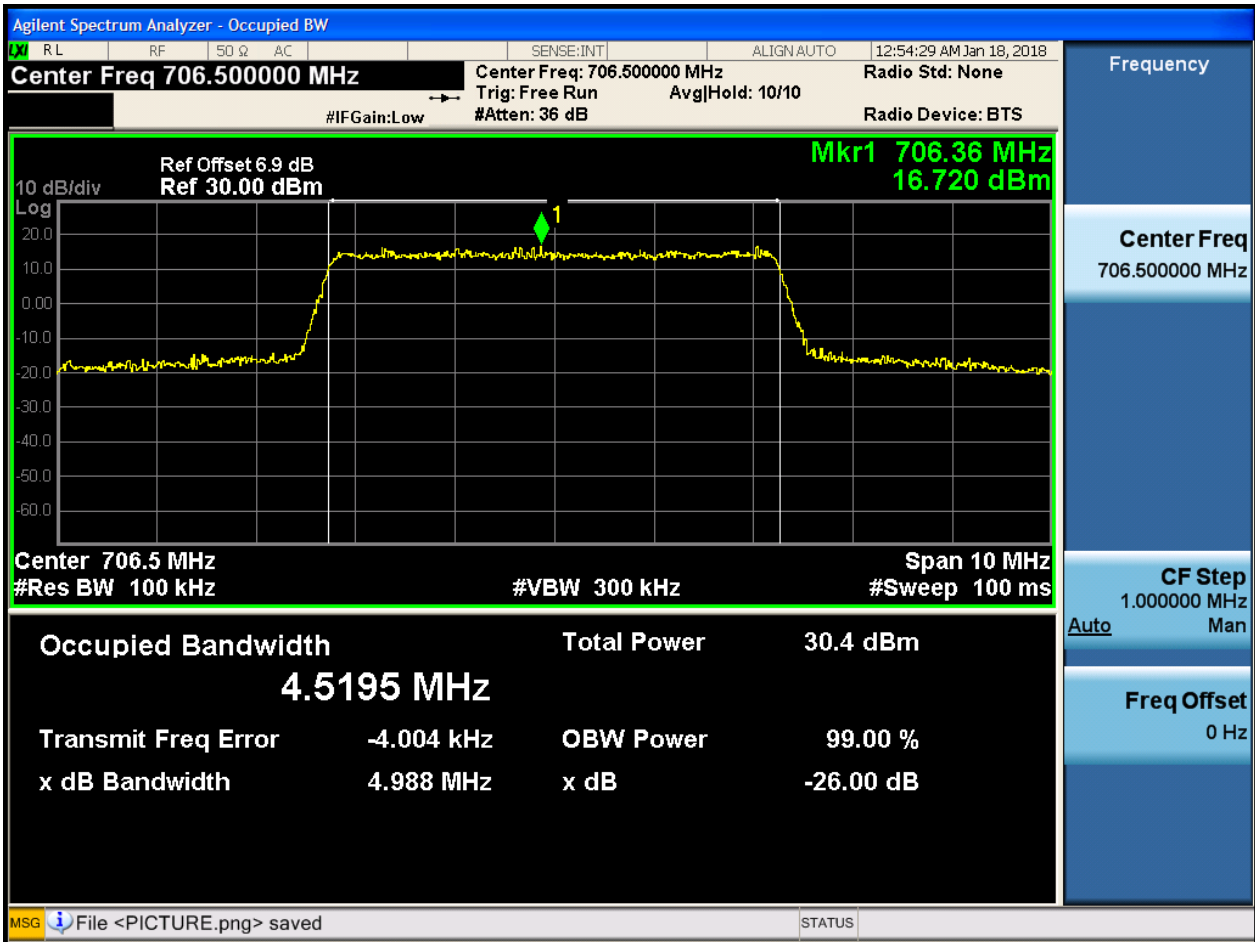


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

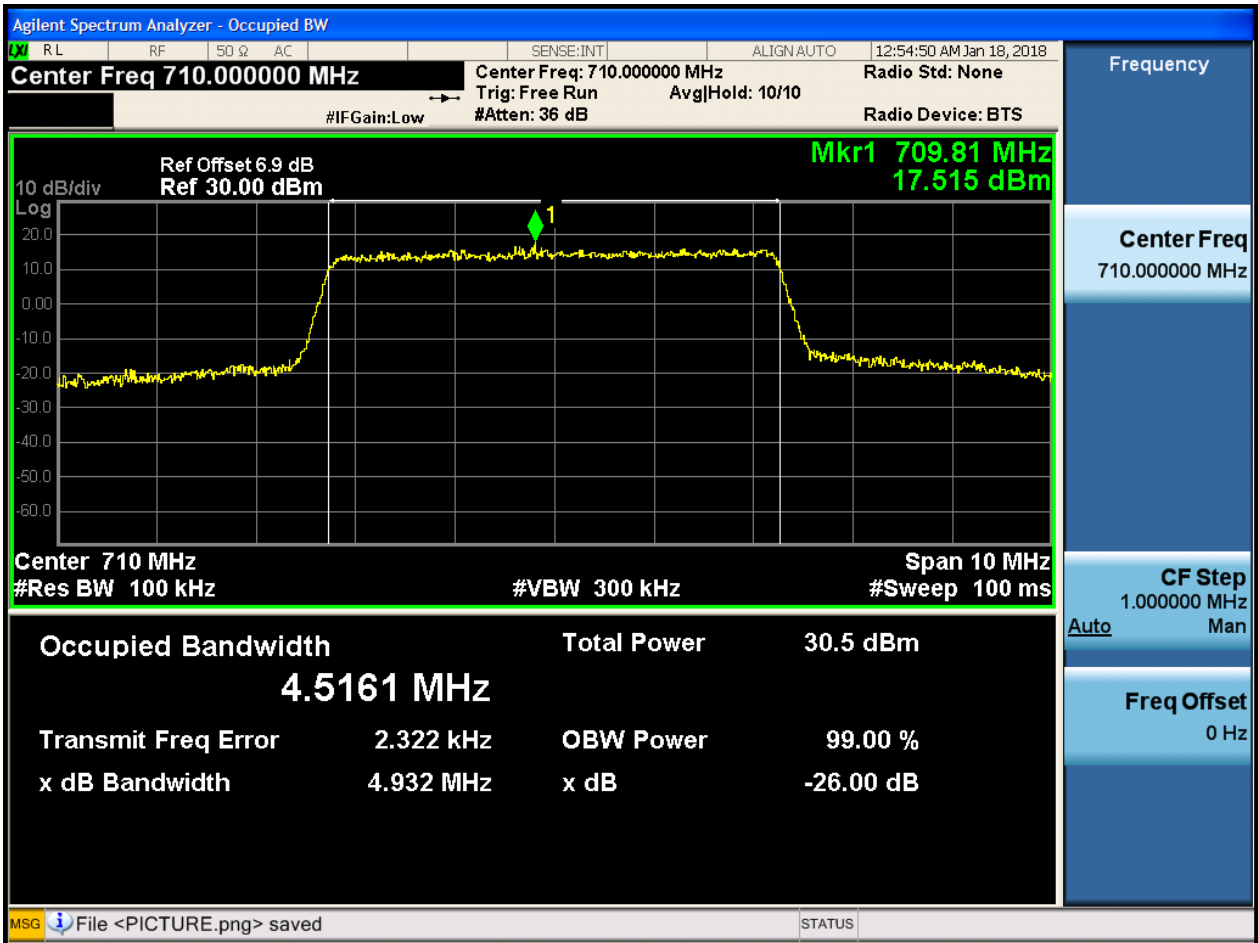
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

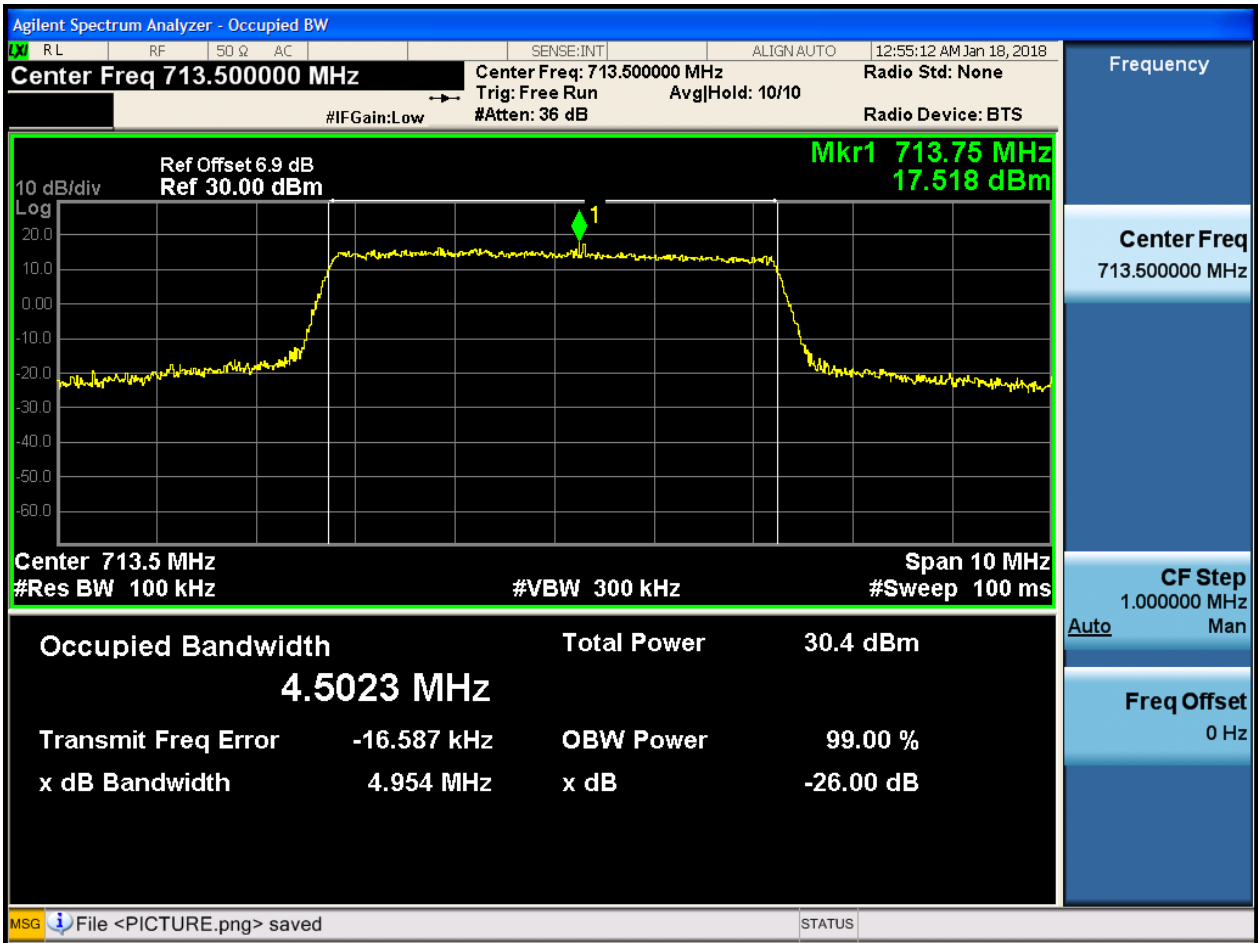
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

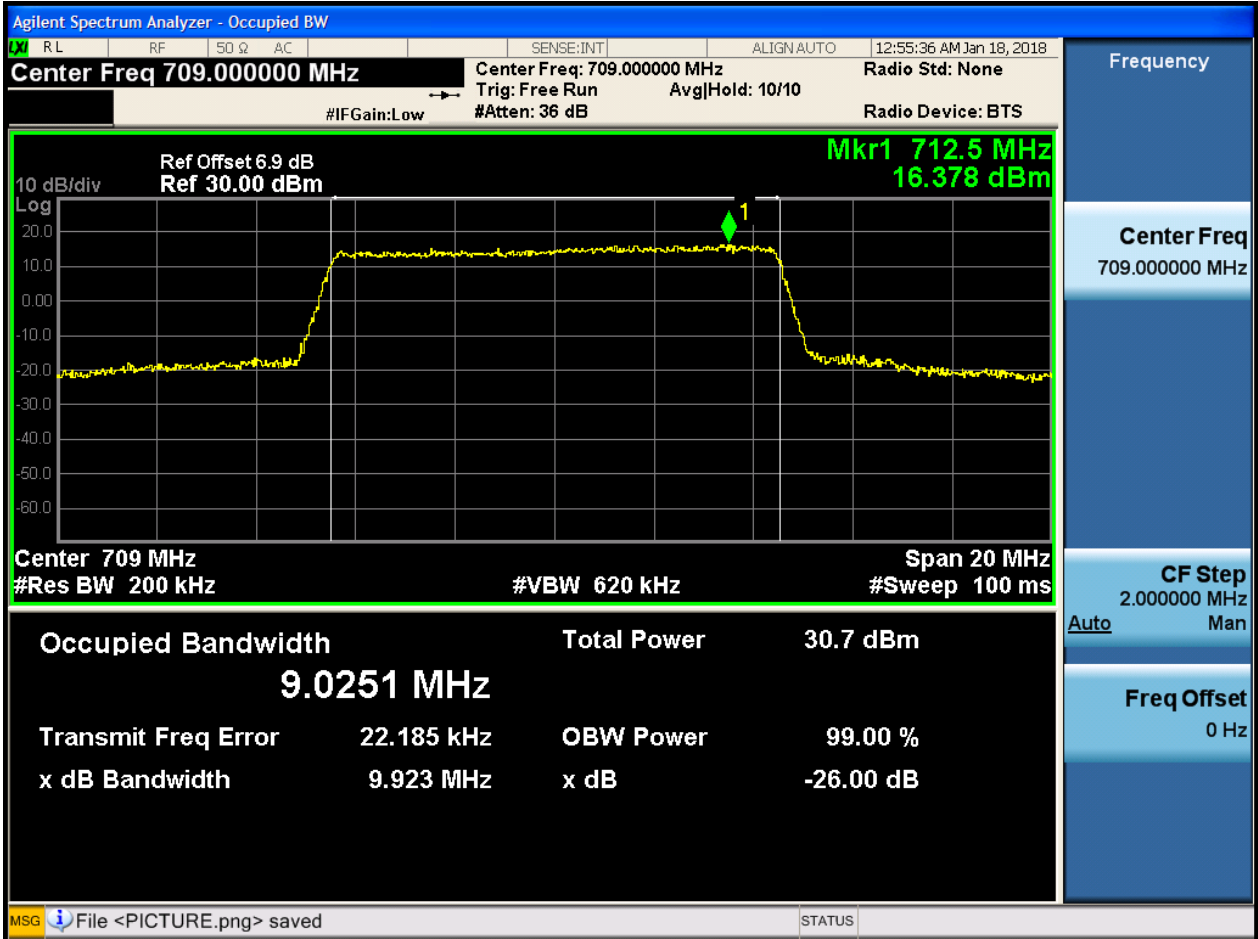




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

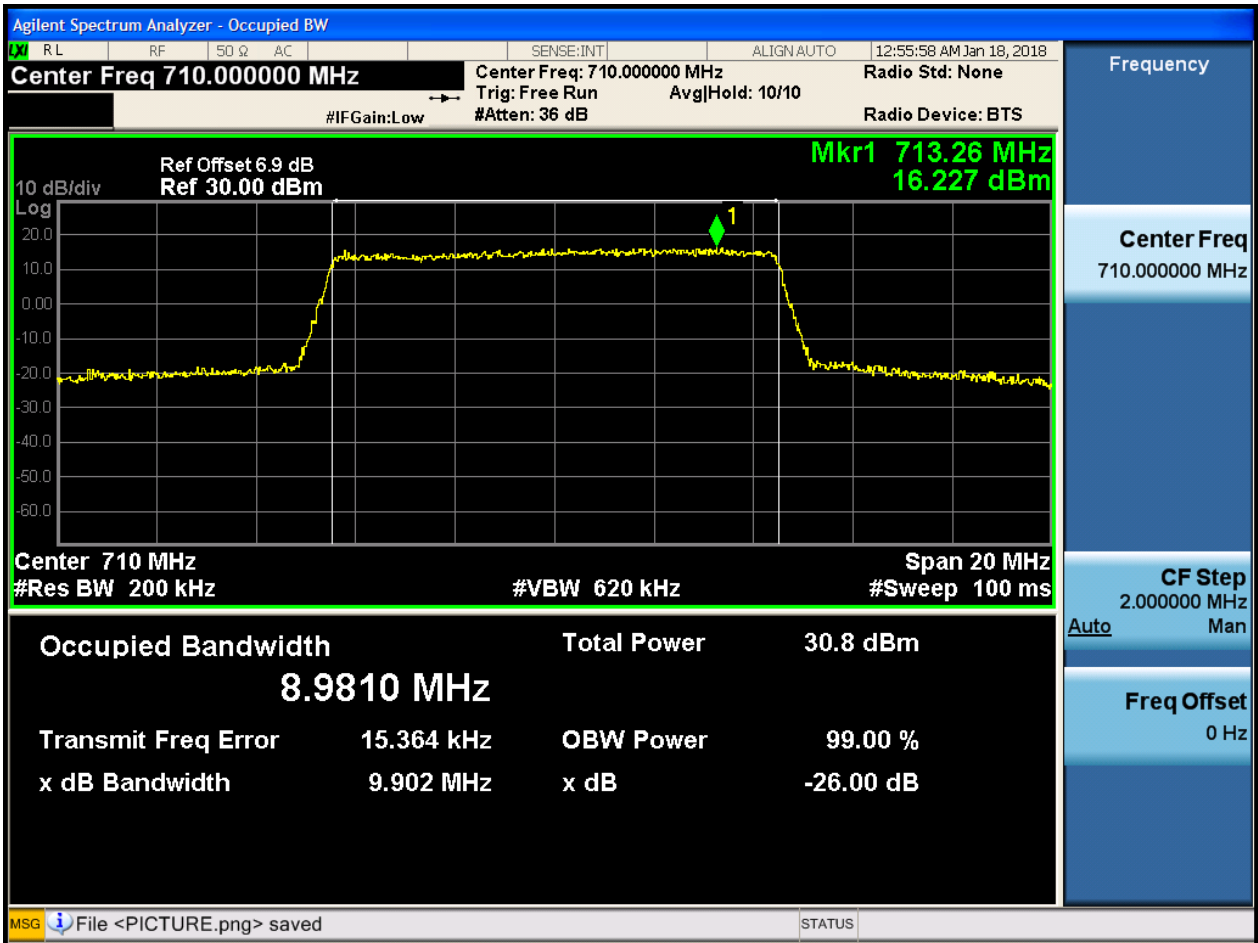
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

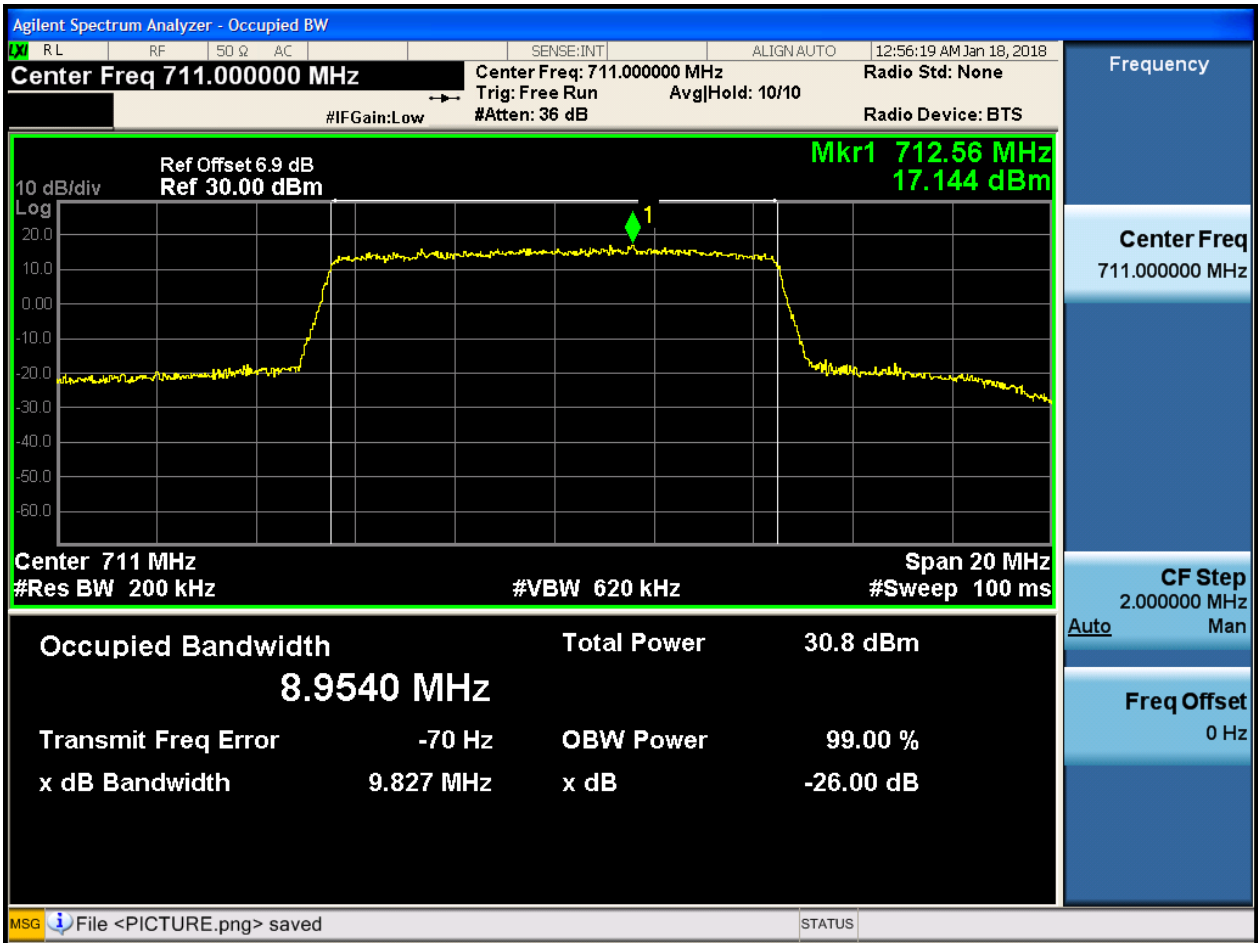
4.1.1.2.2.2.1 Test RB = RB50#0





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

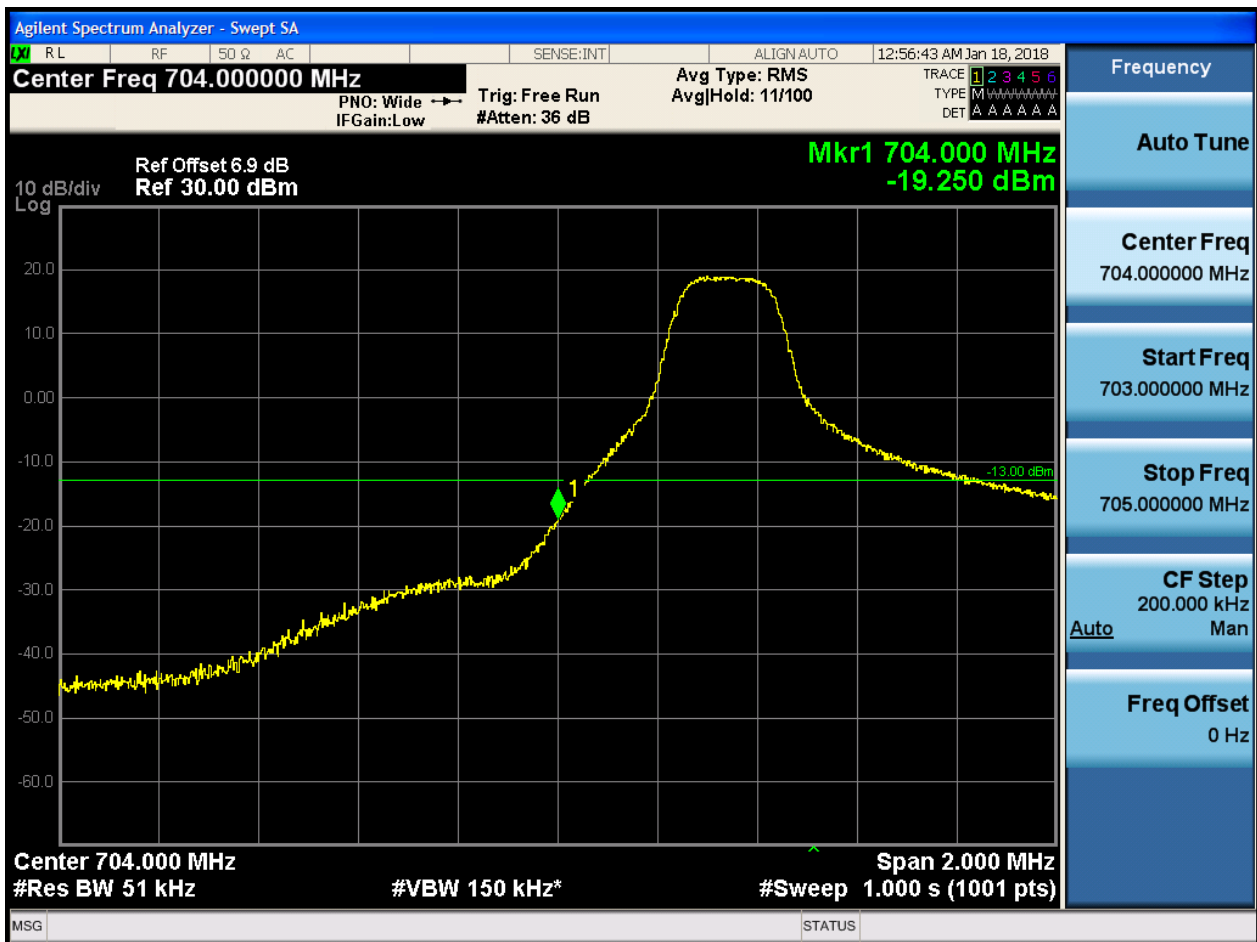
5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

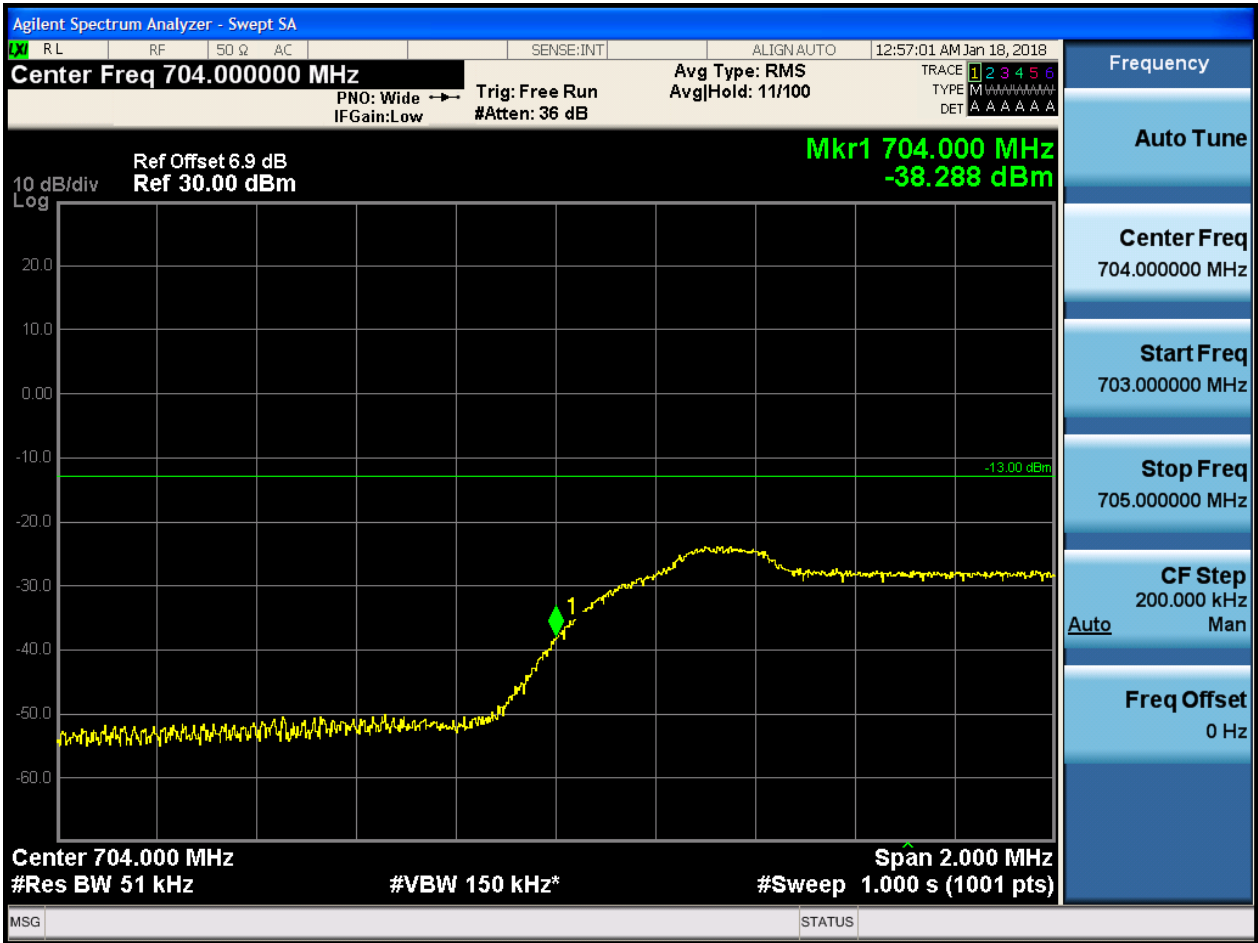
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24



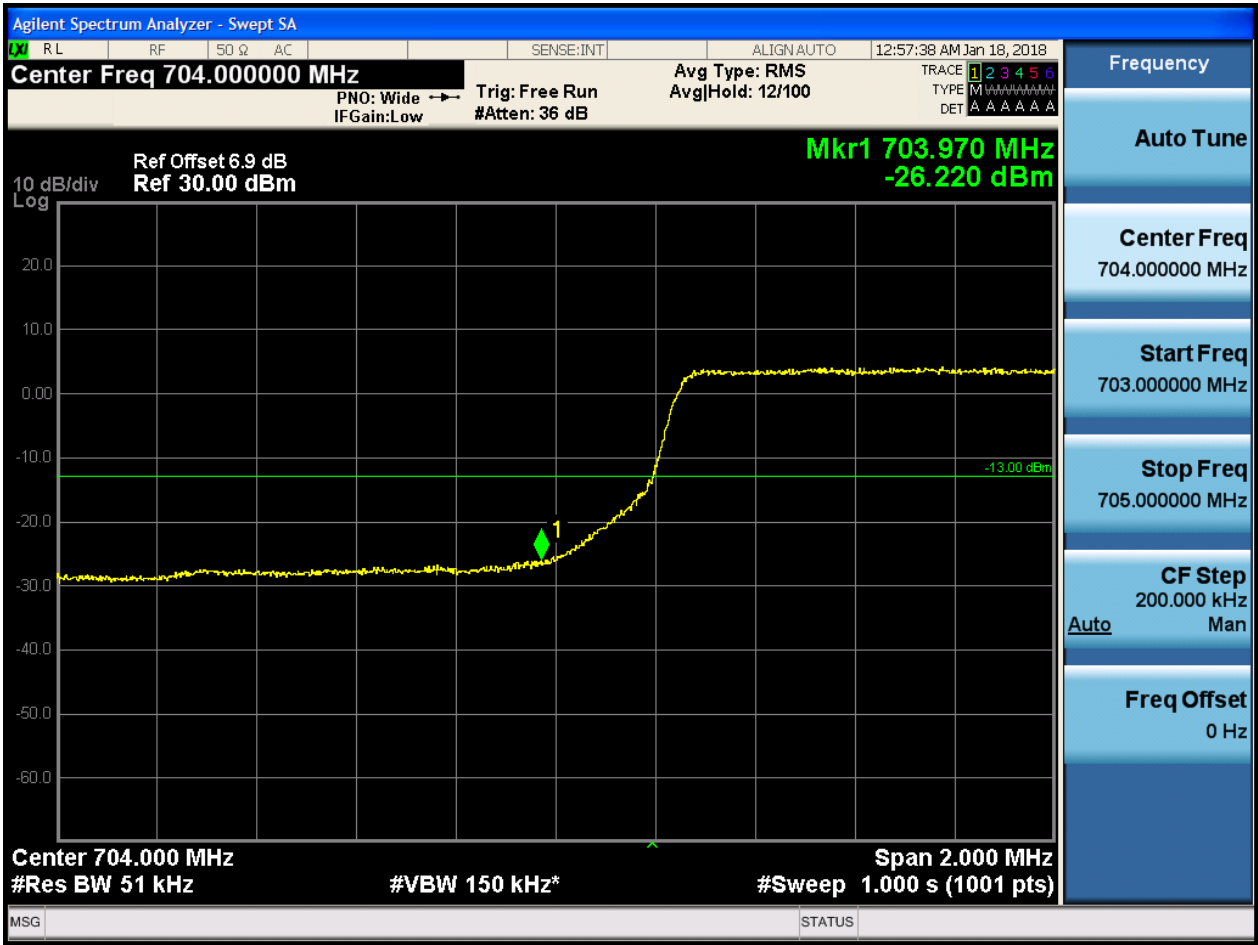


5.1.1.1.1.3 Test RB = RB12#6





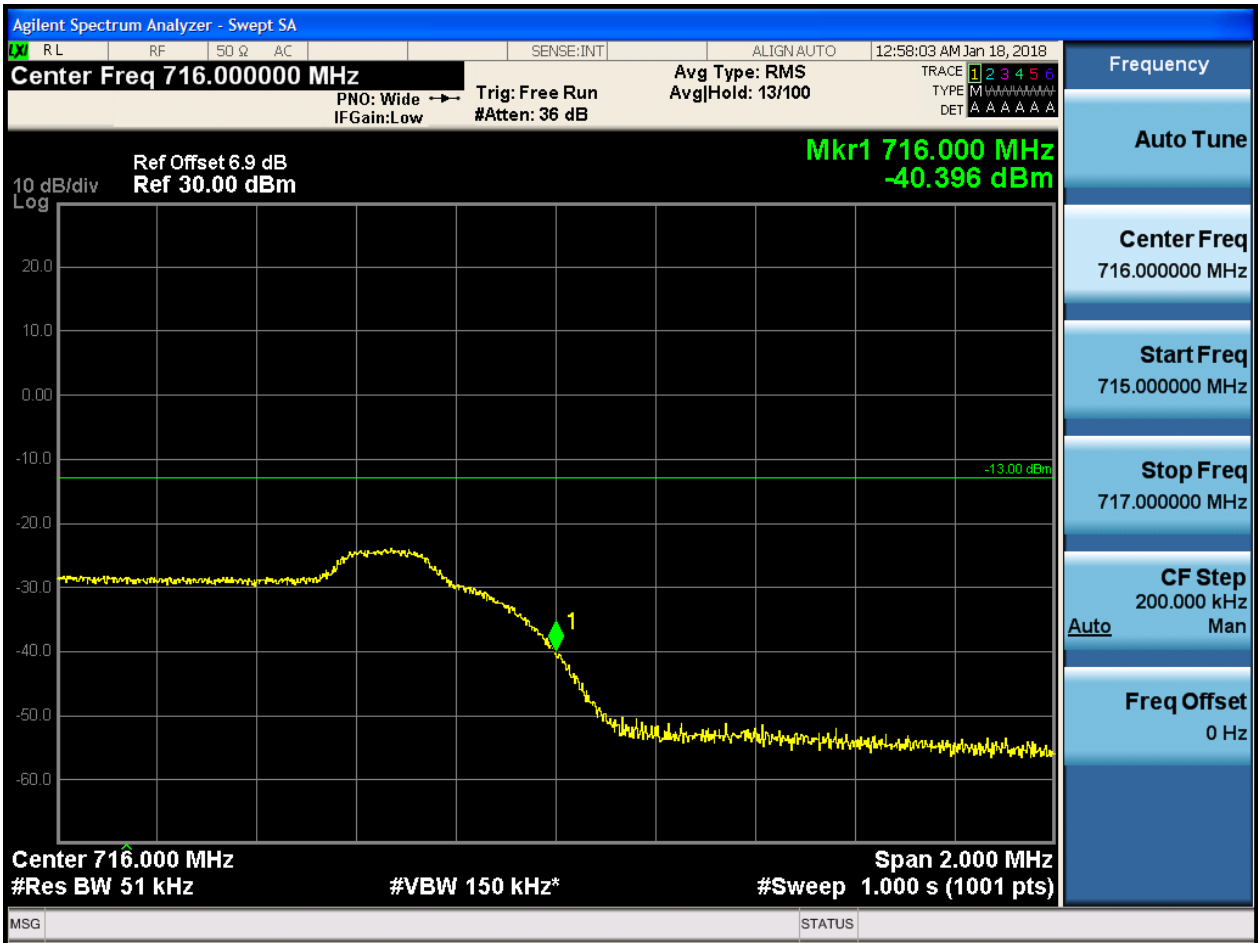
5.1.1.1.1.4 Test RB = RB25#0





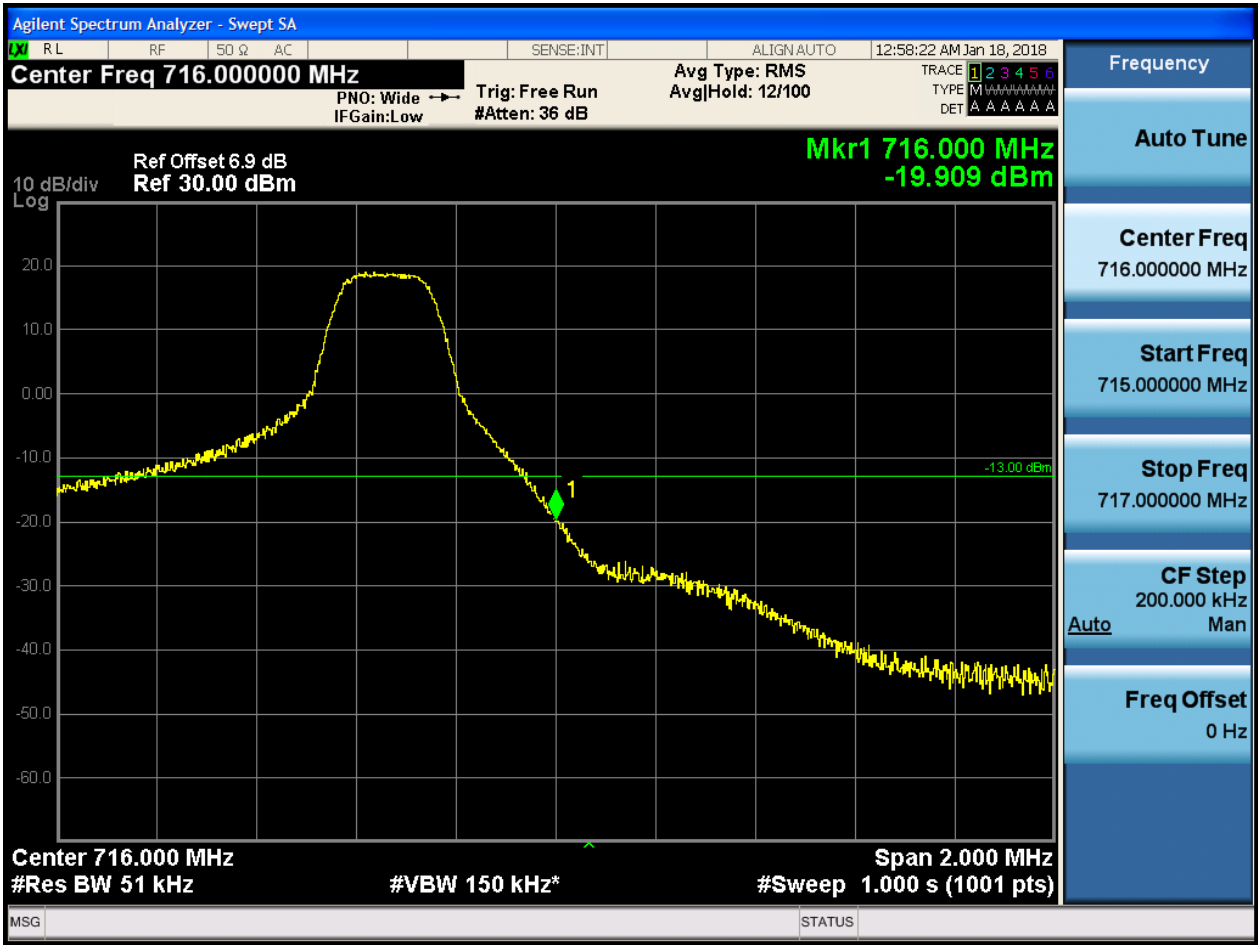
5.1.1.1.1.2 Test Channel = HCH

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

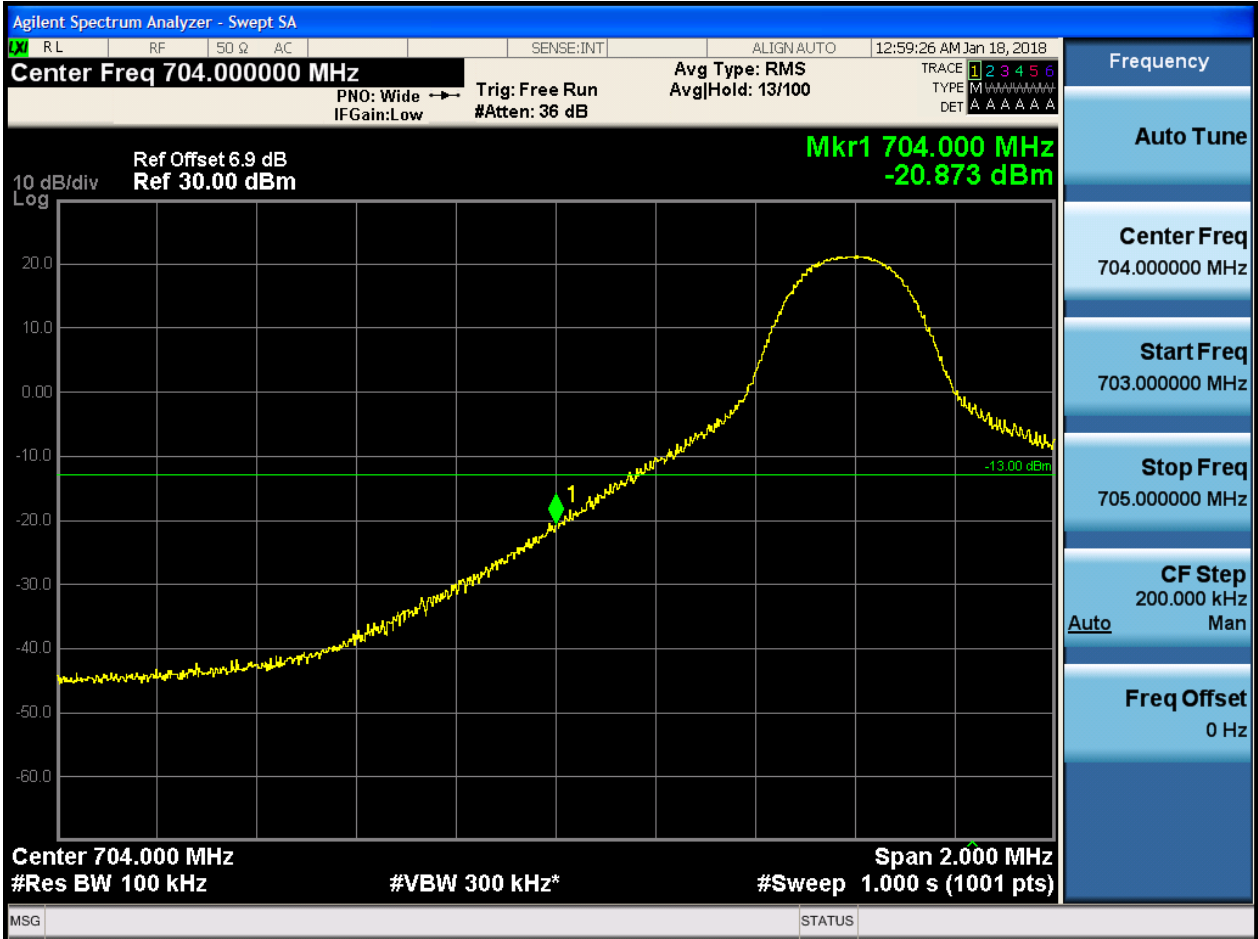




5.1.1.1.2 Test Bandwidth = 10

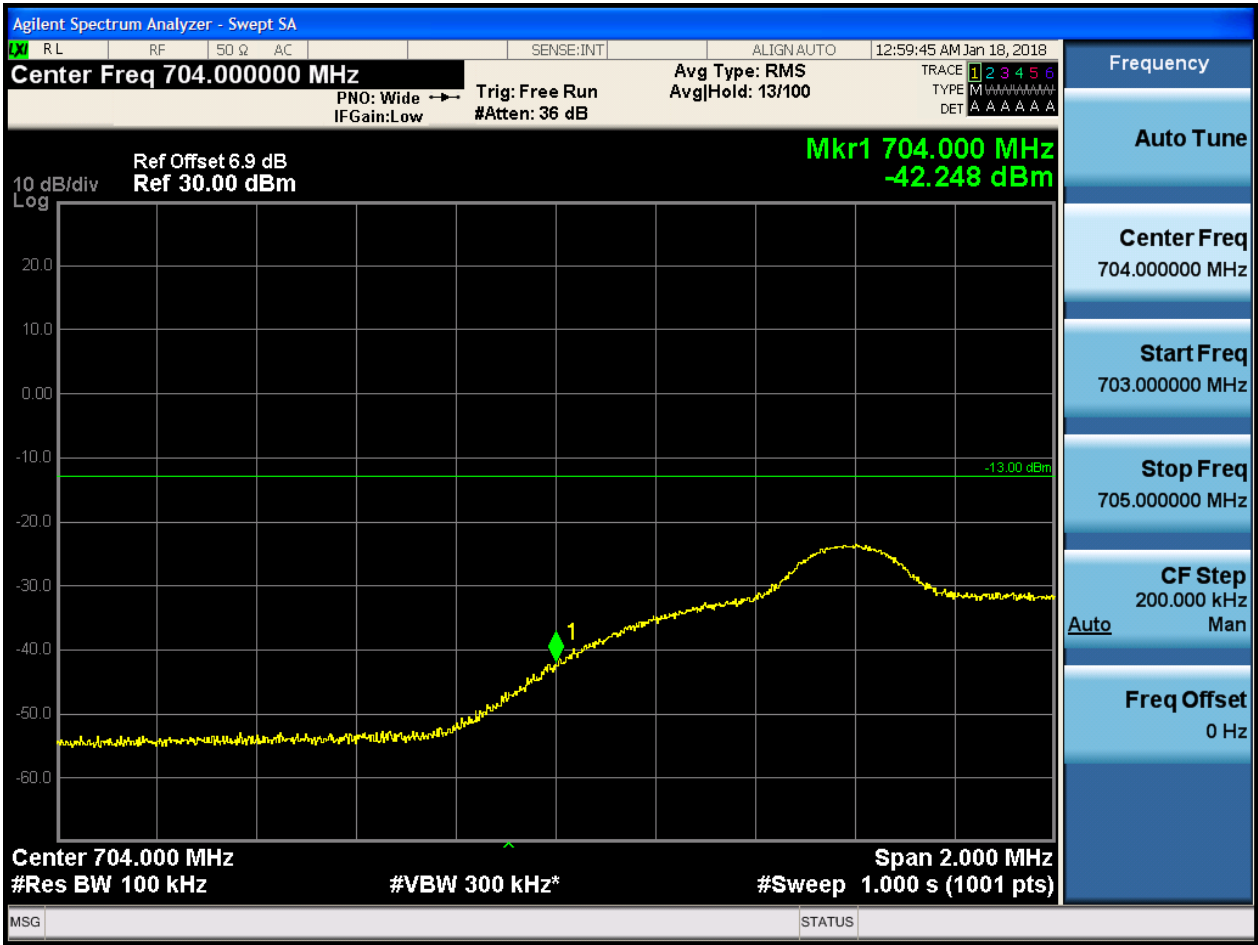
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



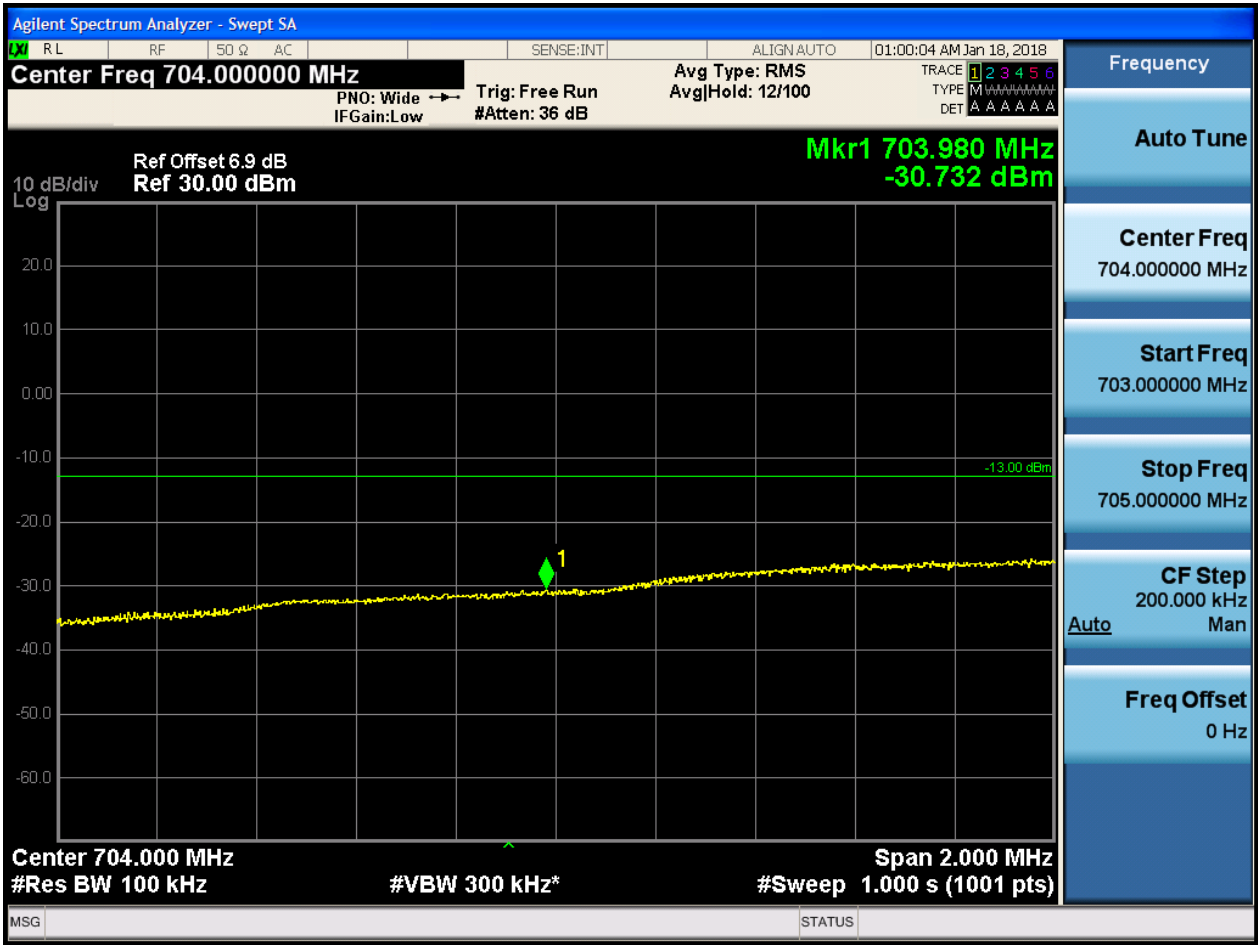


5.1.1.1.2.1.2 Test RB = RB1#49



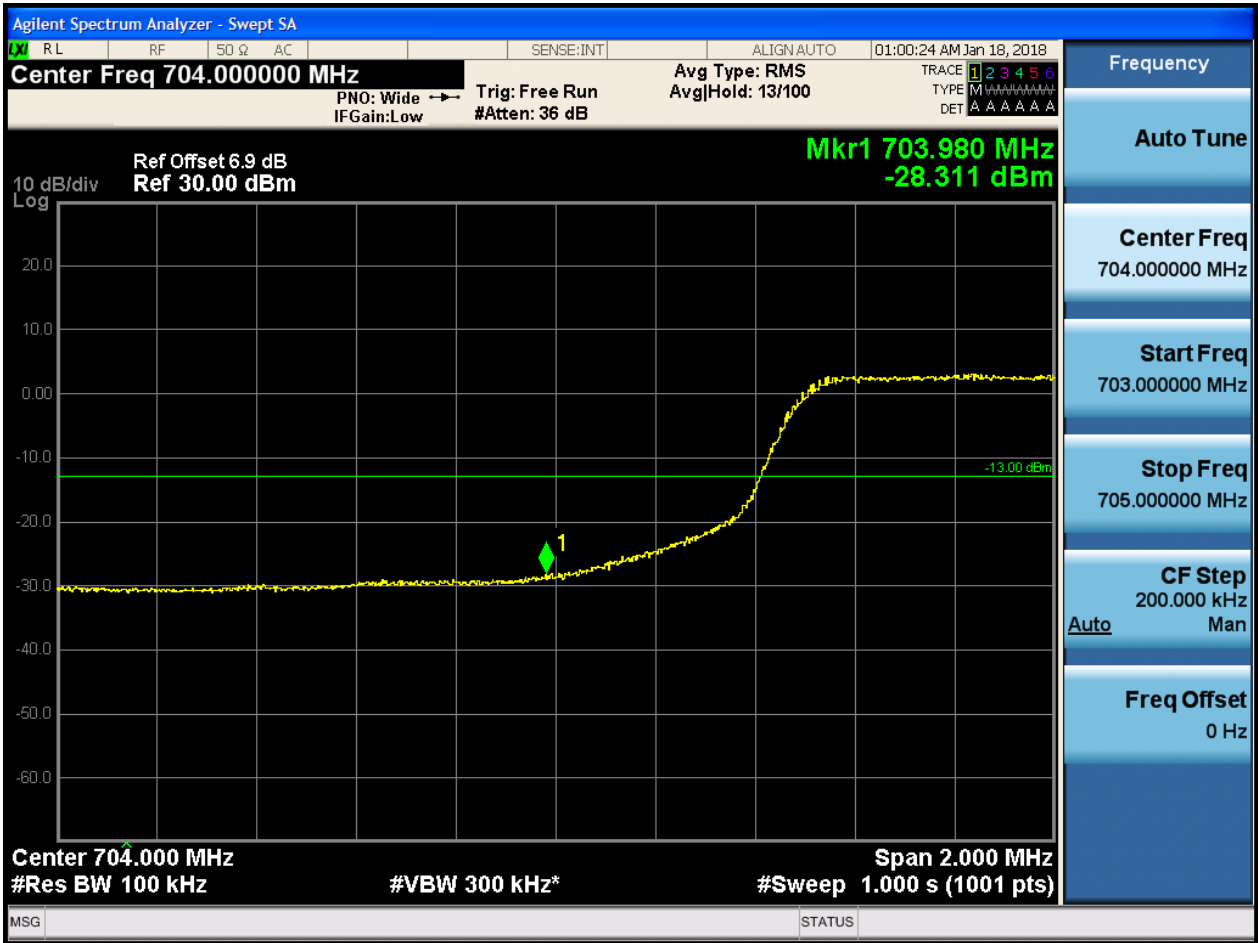


5.1.1.1.2.1.3 Test RB = RB25#13





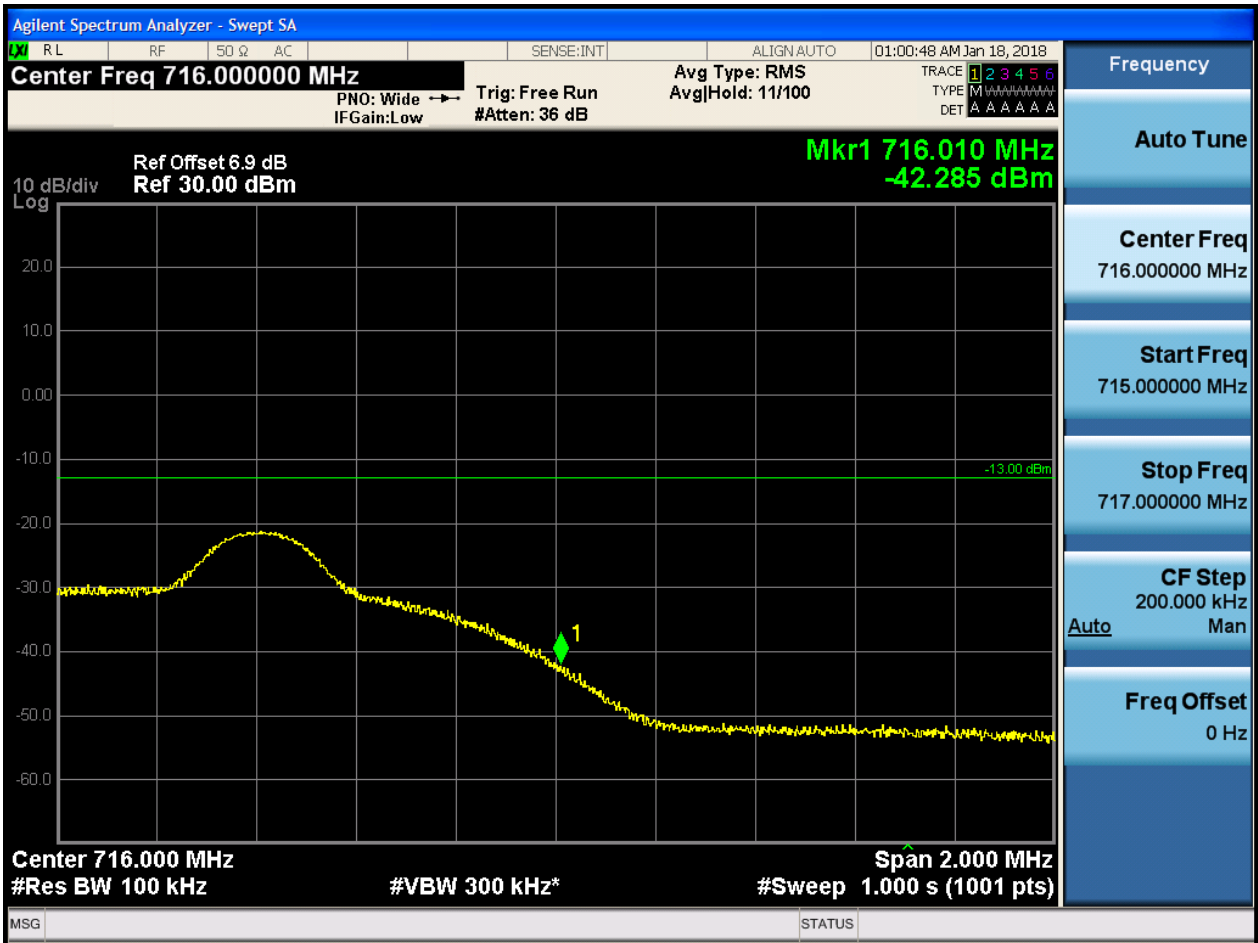
5.1.1.1.2.1.4 Test RB = RB50#0





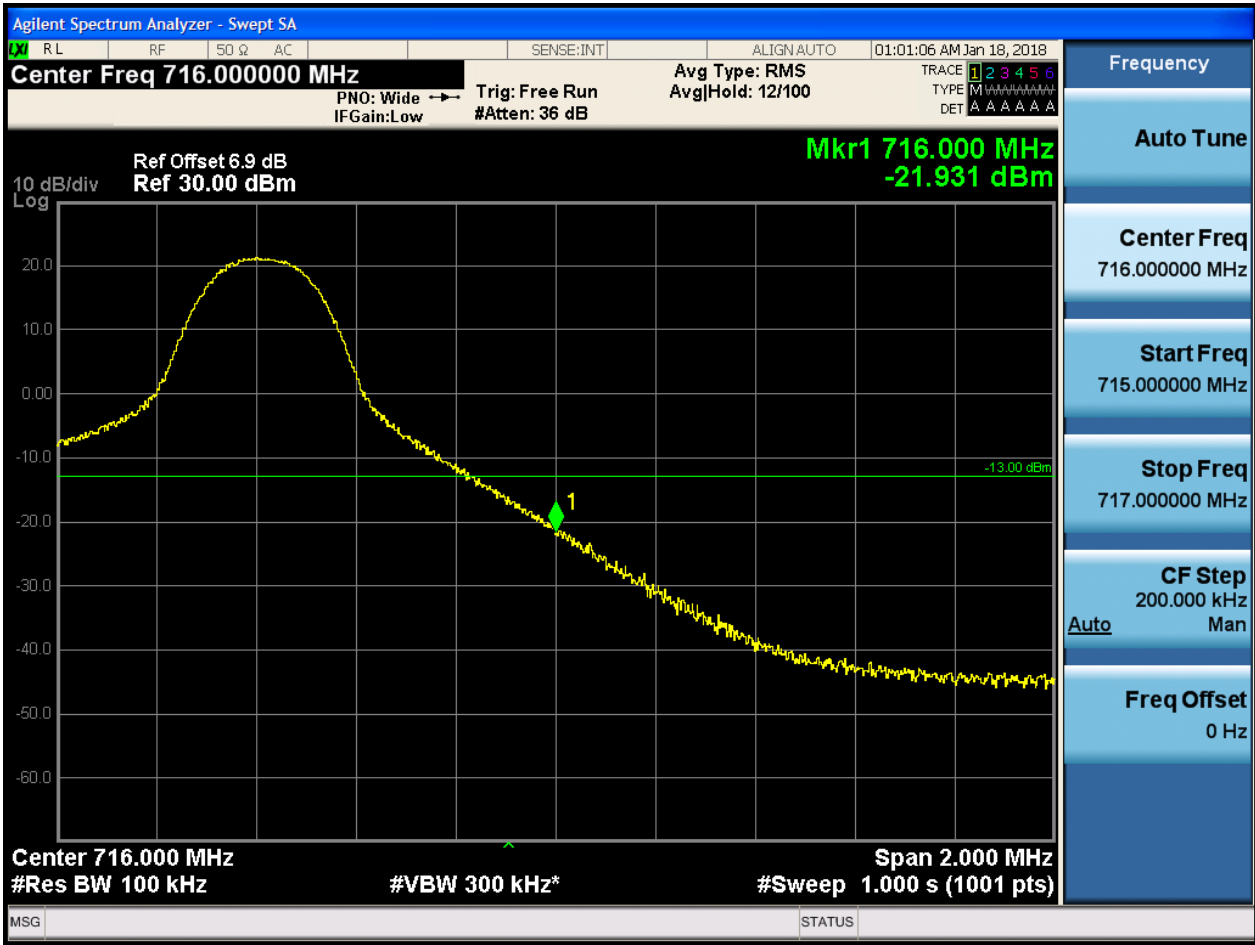
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



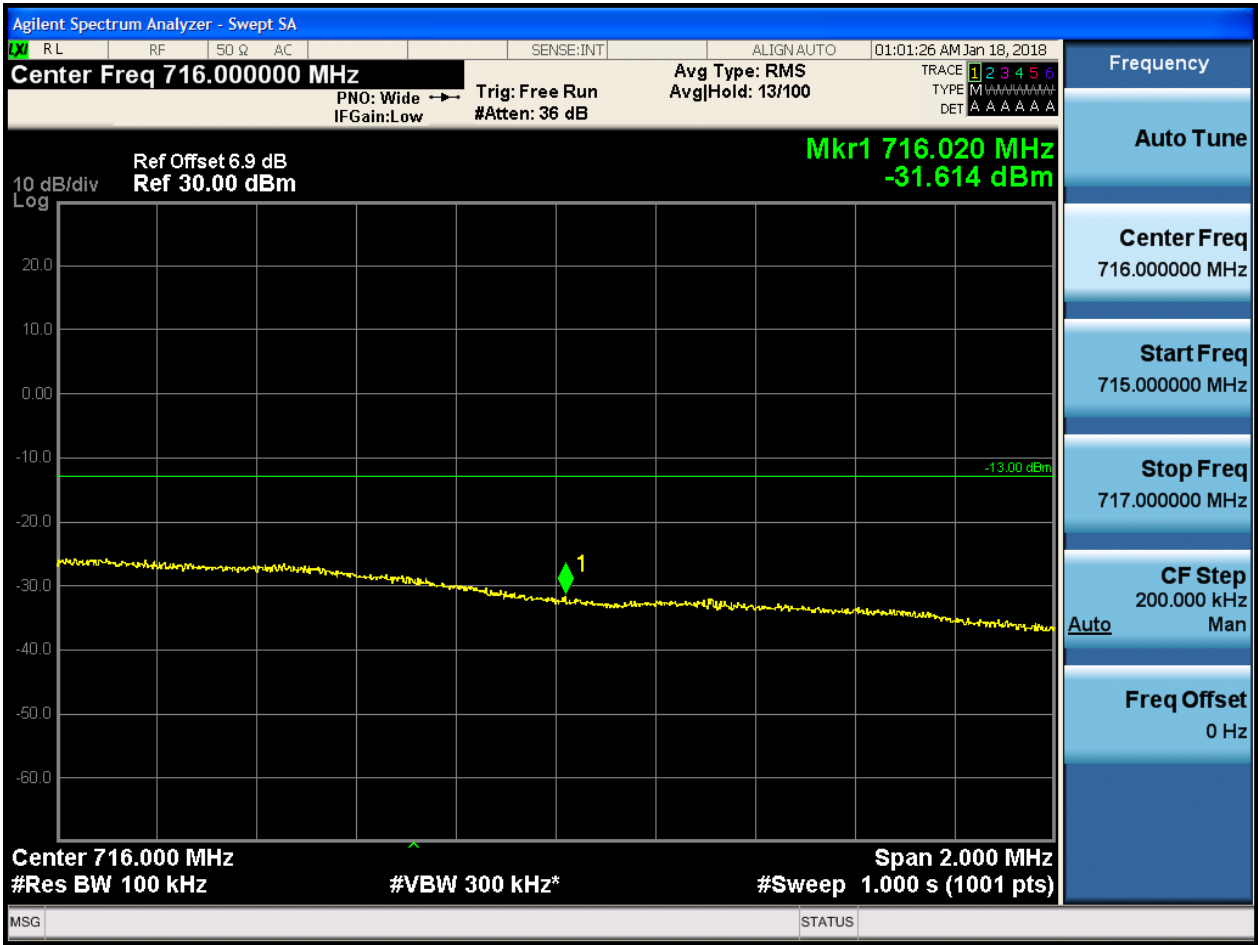


5.1.1.1.2.2.2 Test RB = RB1#49





5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0



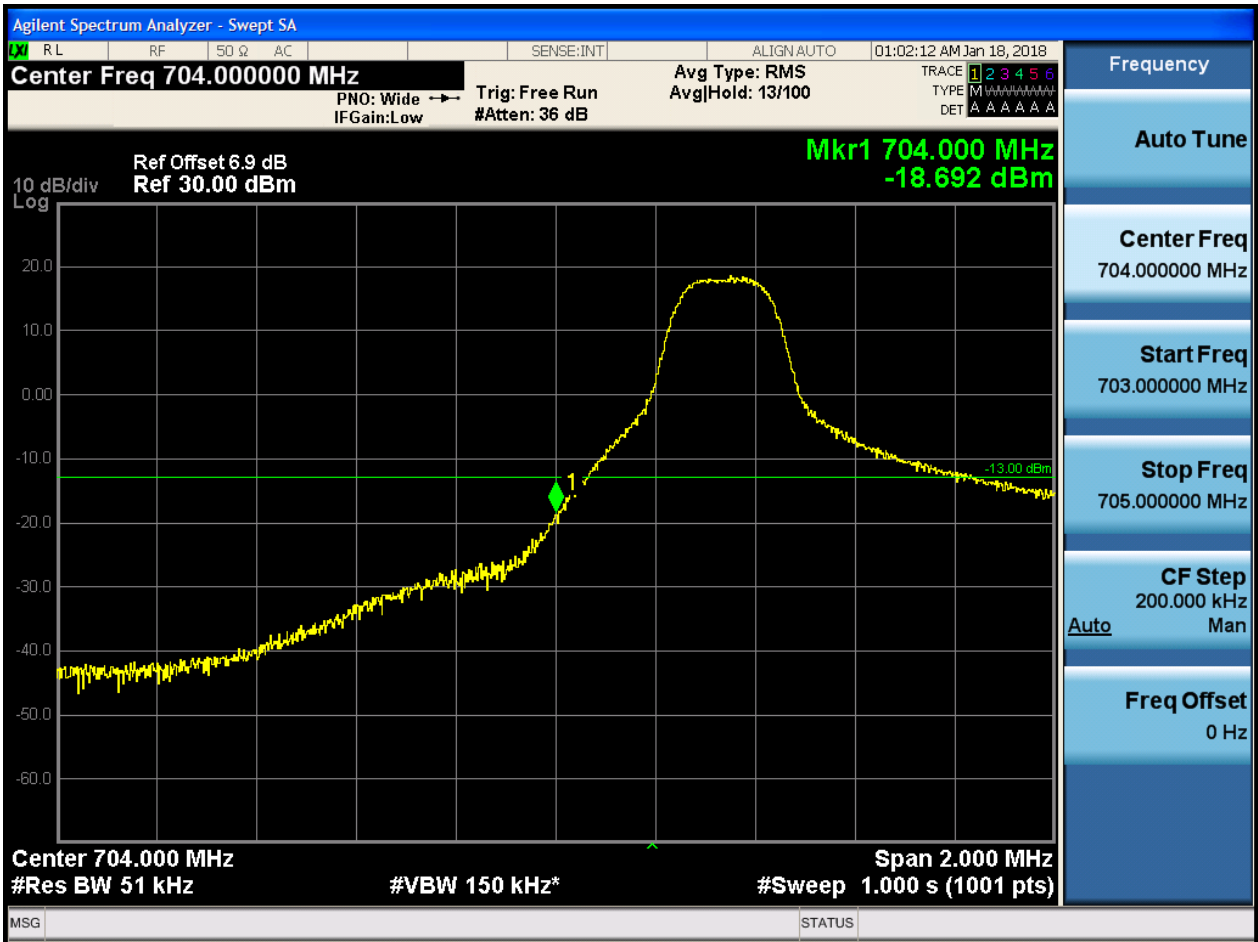


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

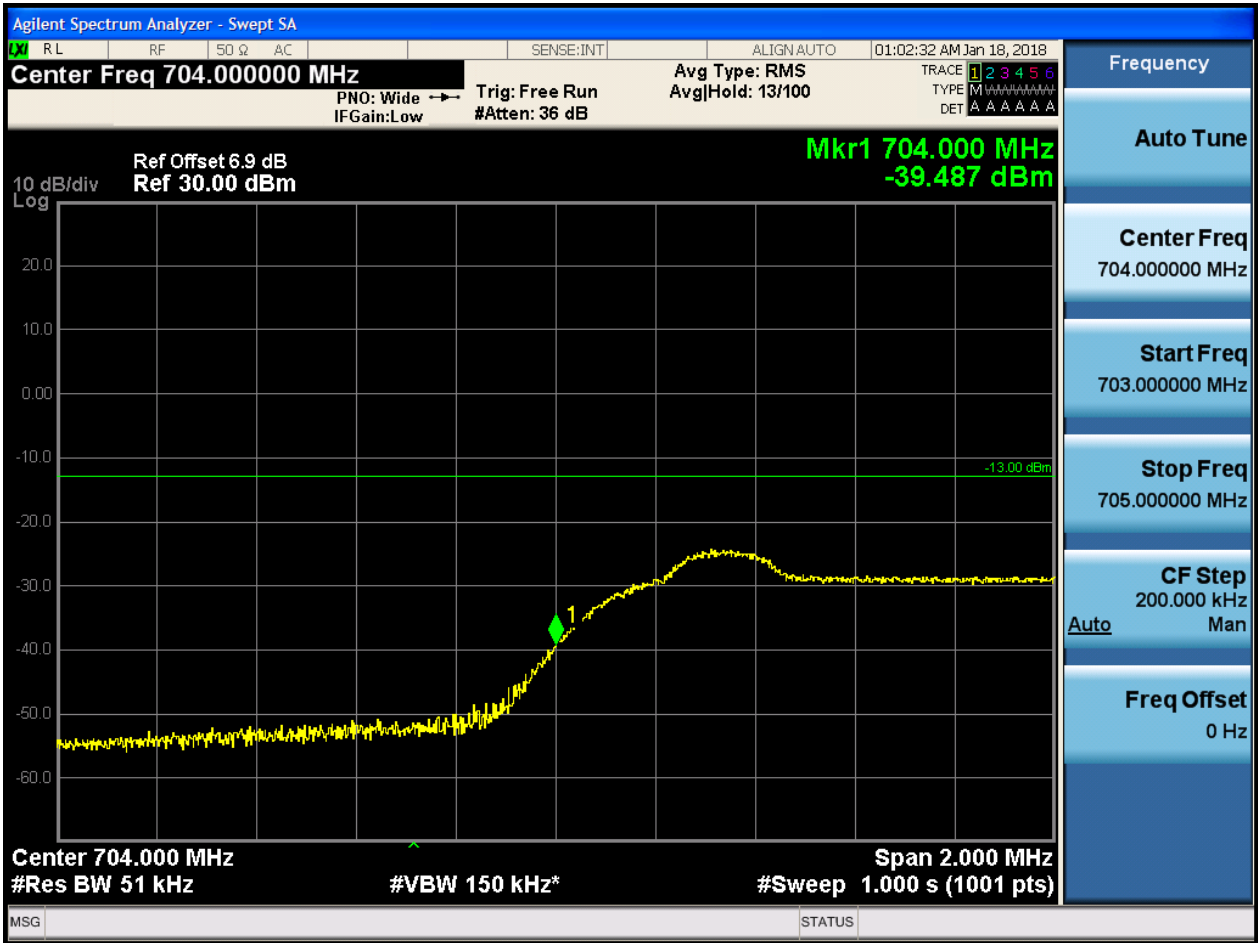
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#24



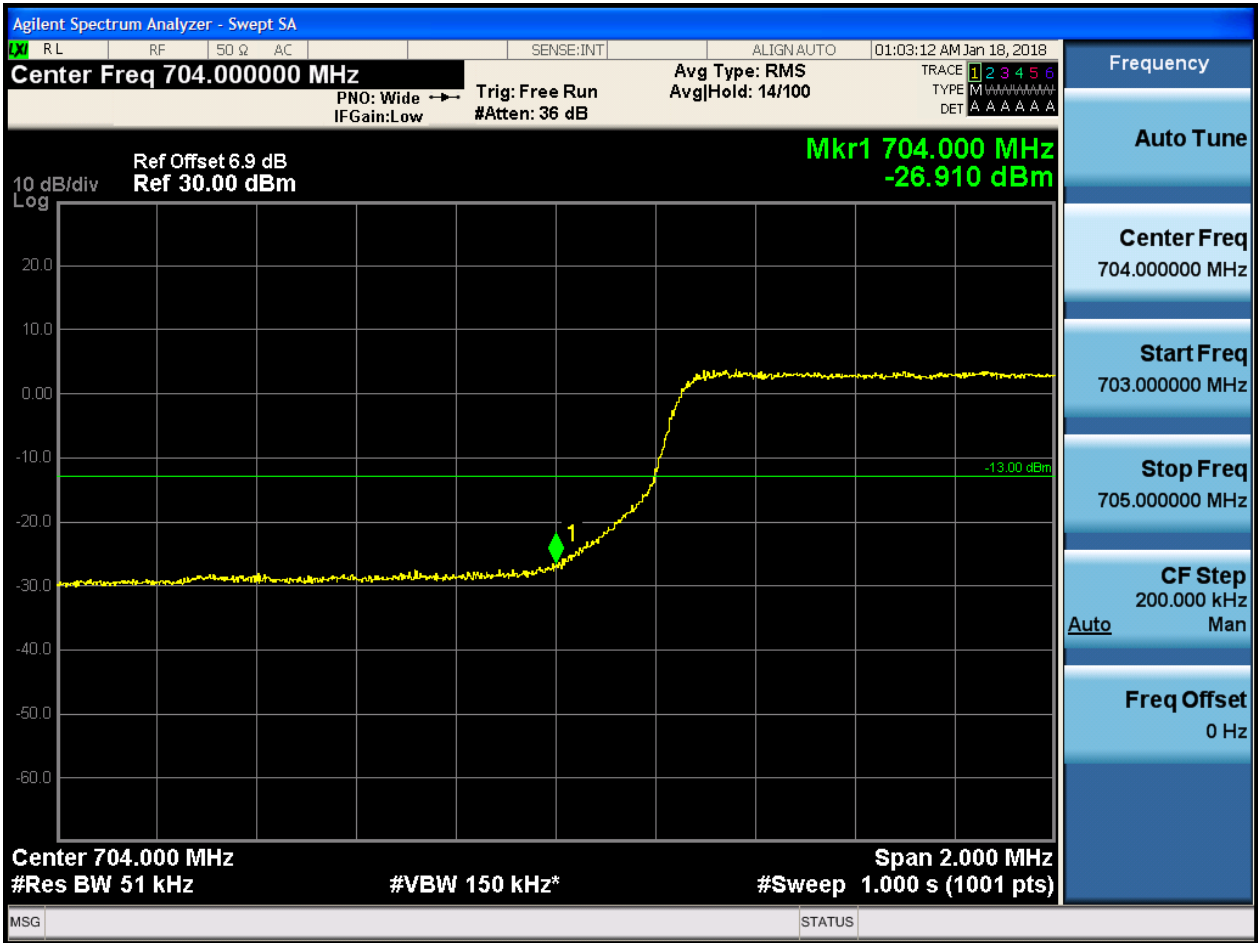


5.1.1.2.1.1.3 Test RB = RB12#6





5.1.1.2.1.1.4 Test RB = RB25#0





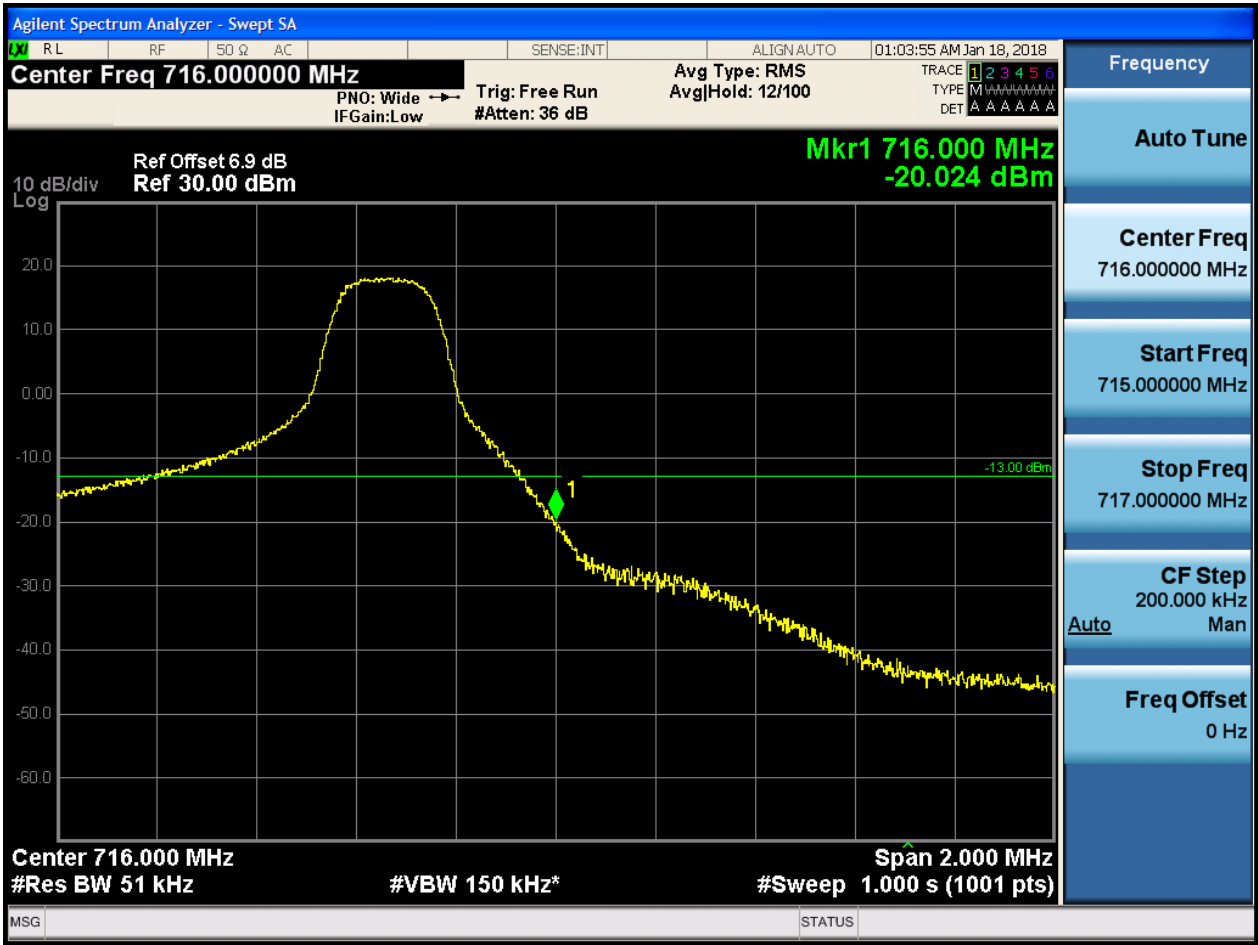
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



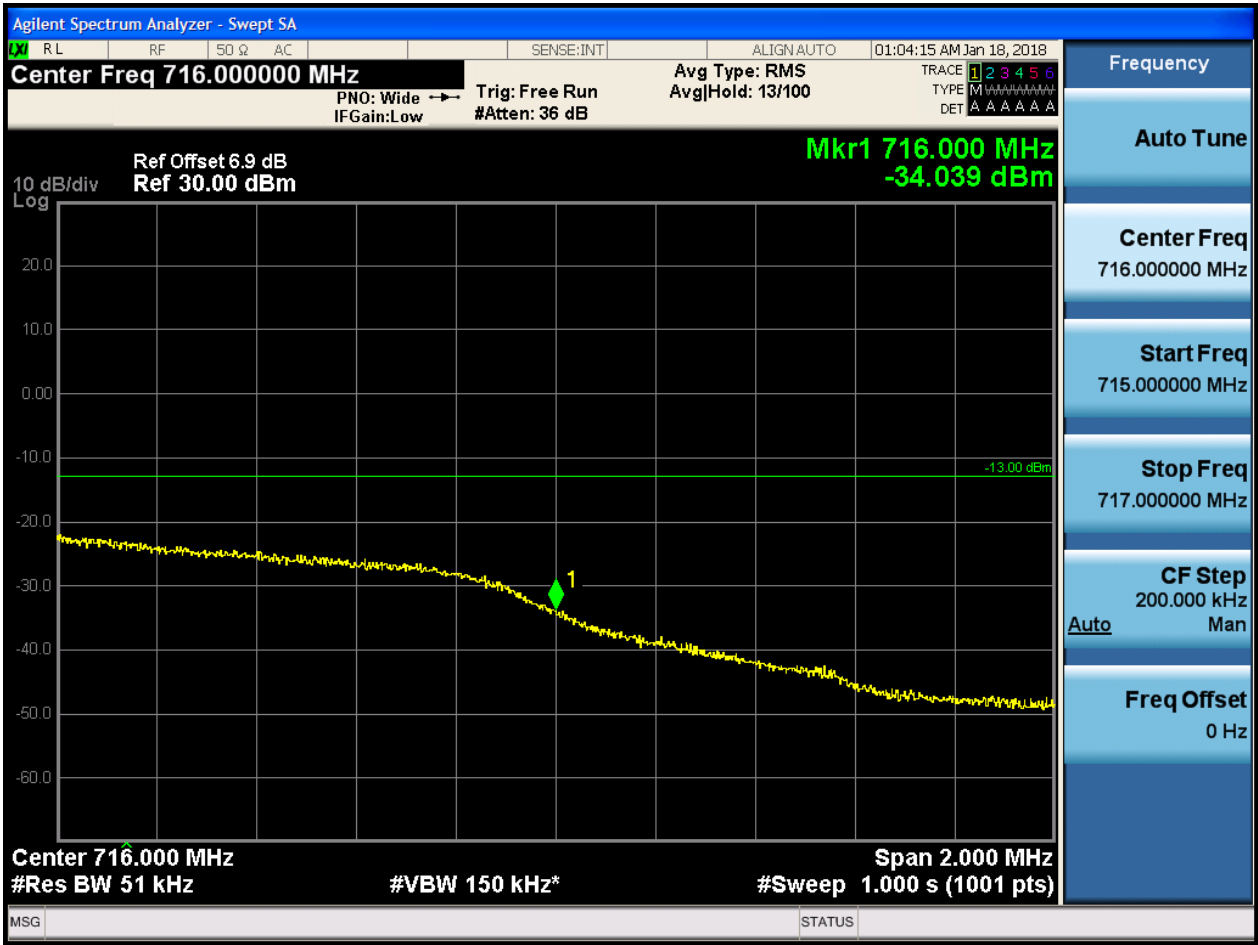


5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

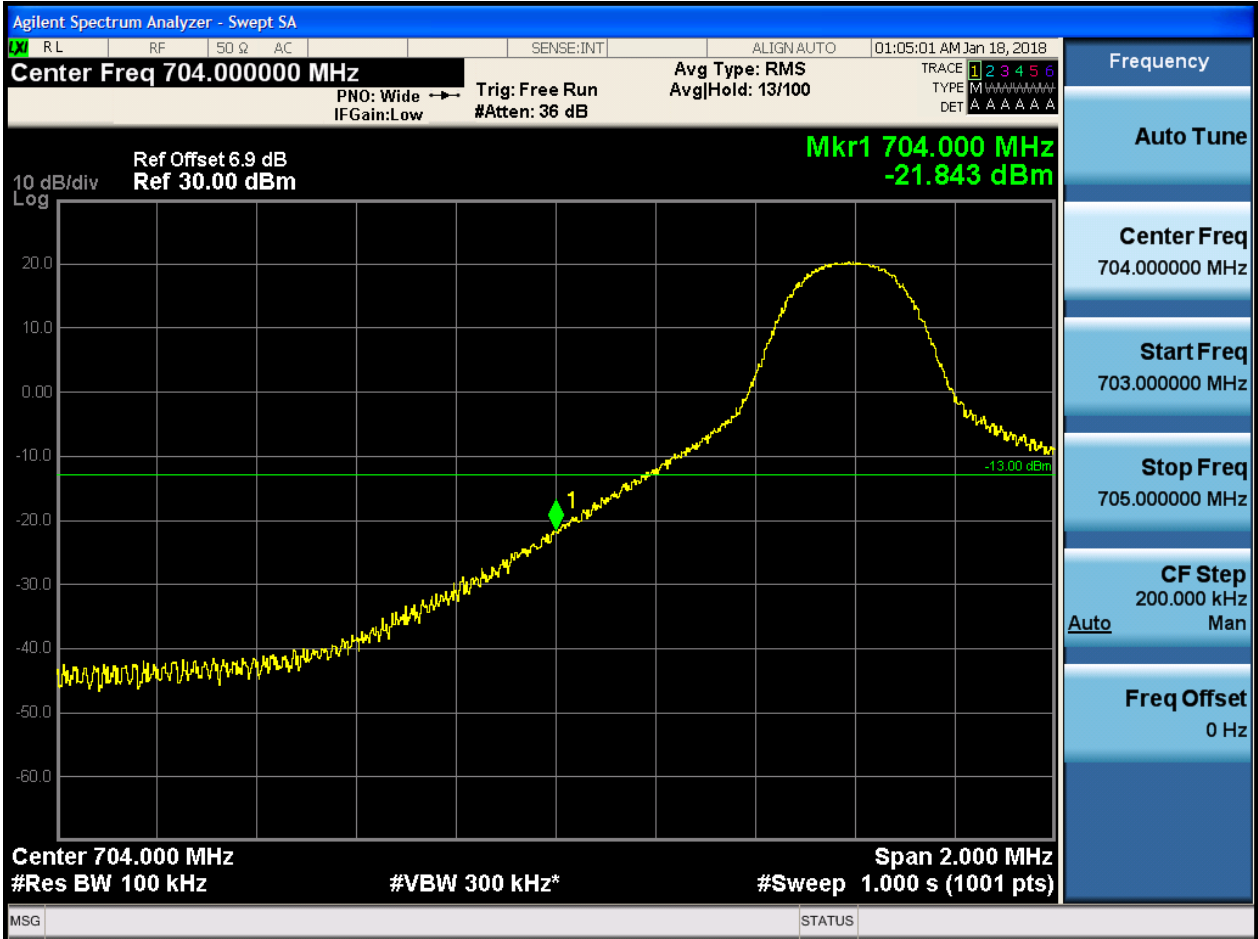




5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



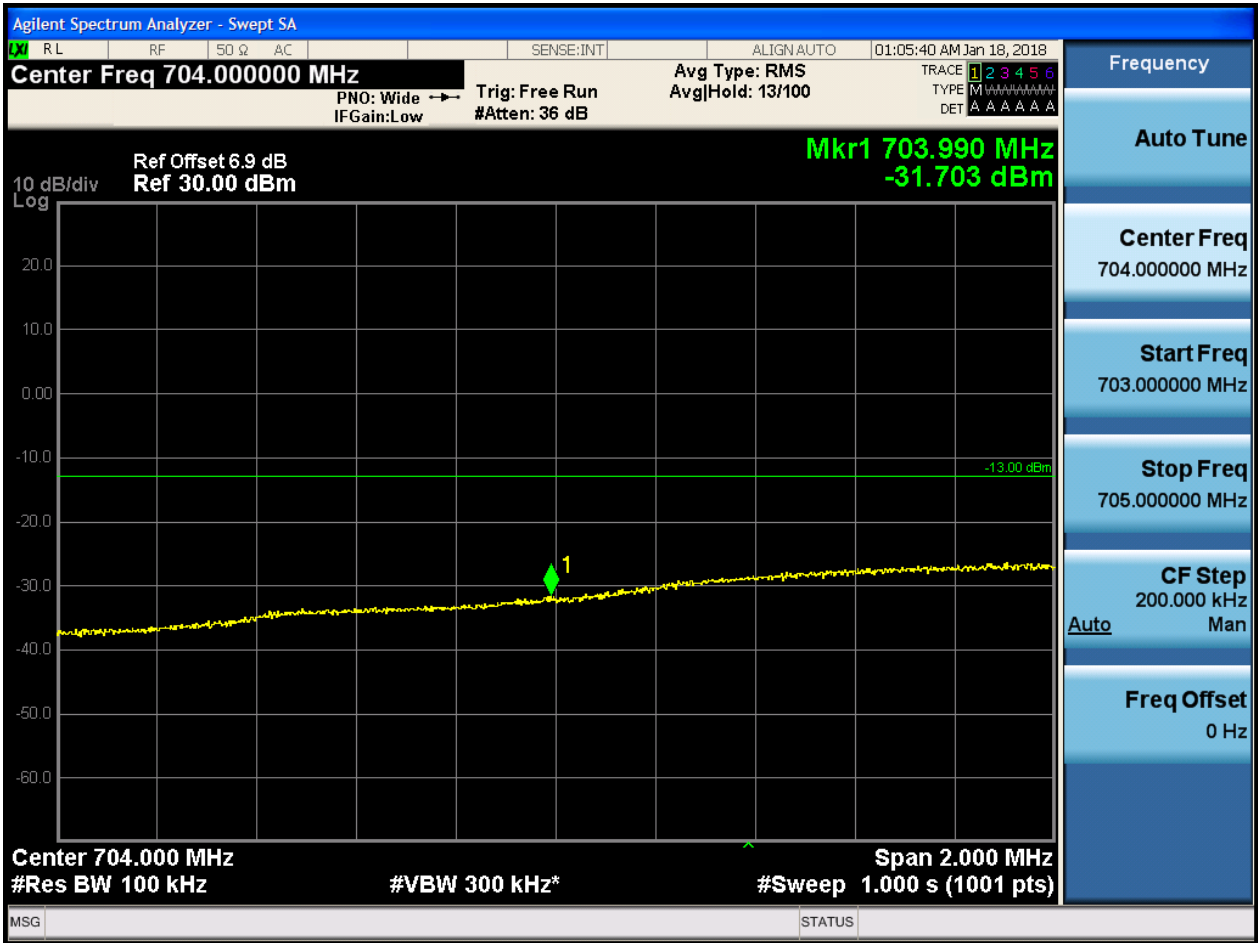


5.1.1.2.2.1.2 Test RB = RB1#49



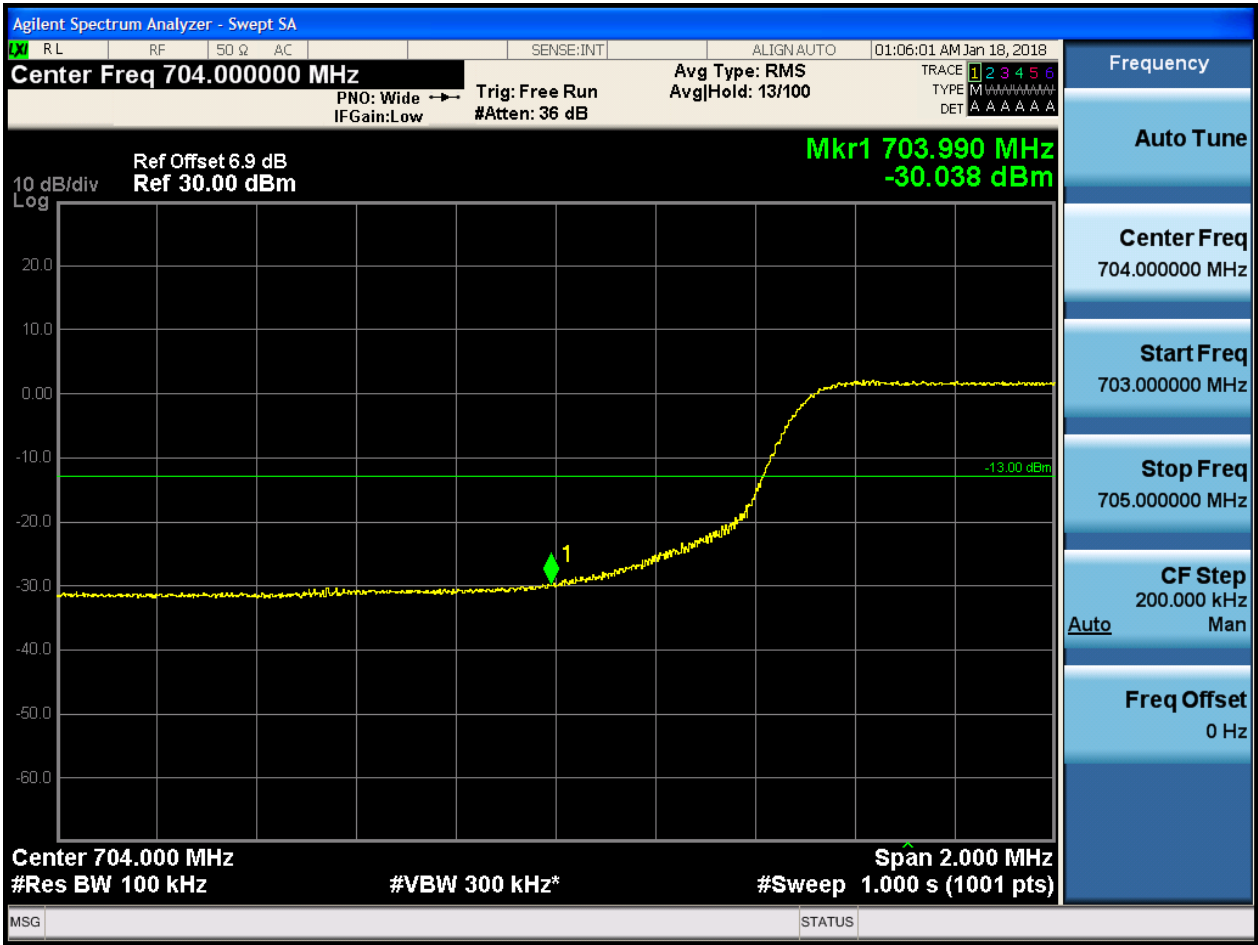


5.1.1.2.2.1.3 Test RB = RB25#13





5.1.1.2.2.1.4 Test RB = RB50#0





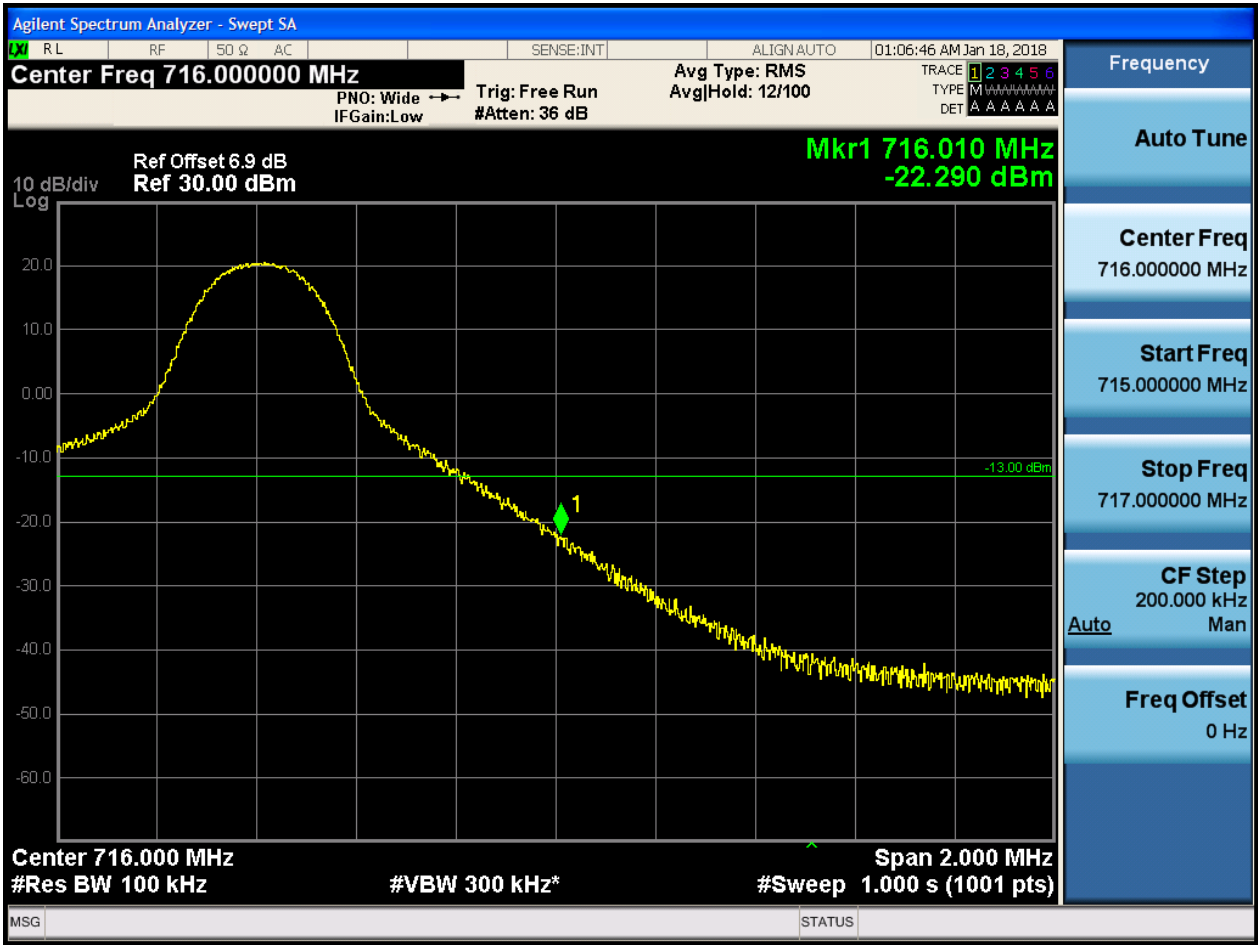
5.1.1.2.2.2 Test Channel = HCH

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





5.1.1.2.2.2.4 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

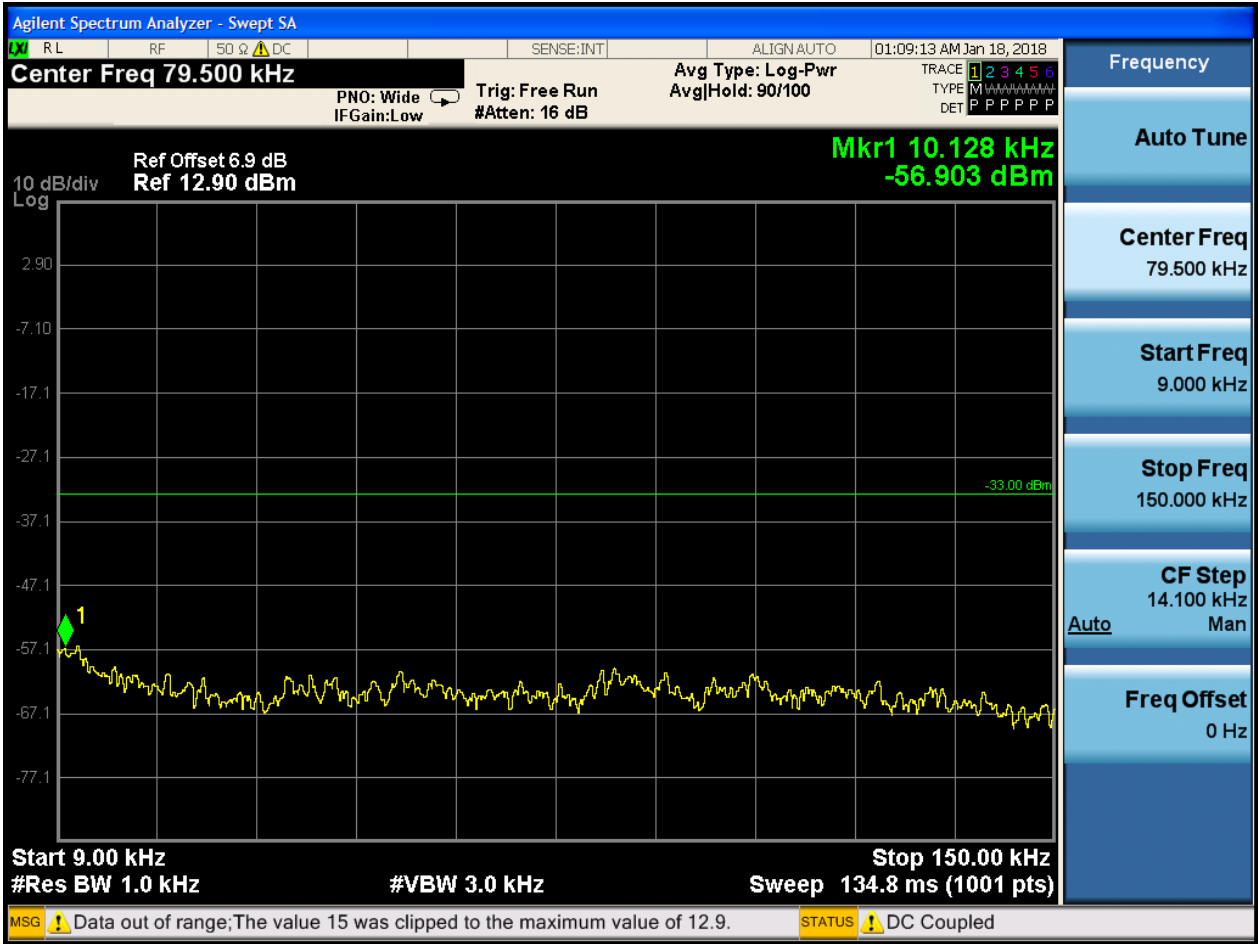
6.1.1 Test Band = BAND17

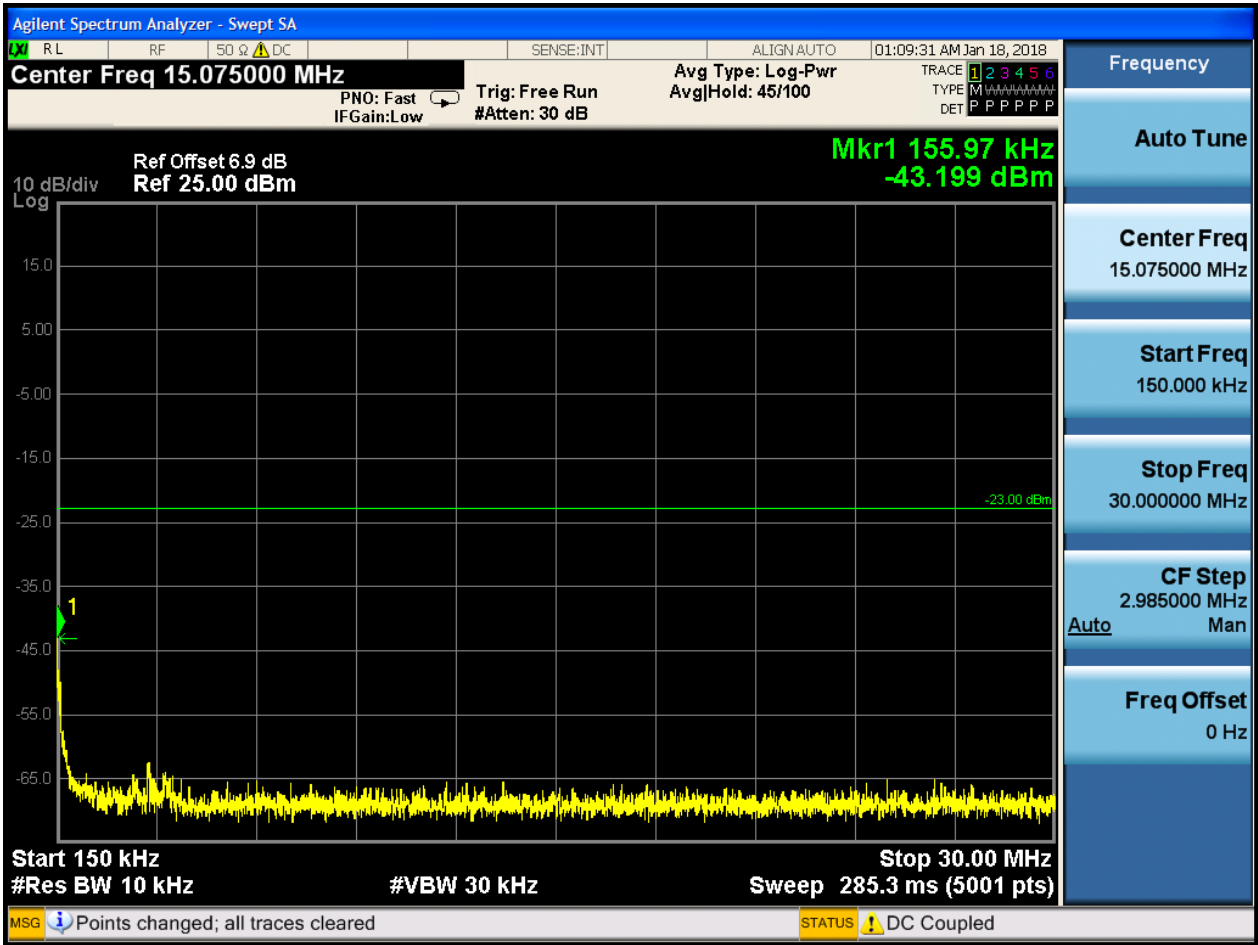
6.1.1.1 Test Mode = LTE/TM1

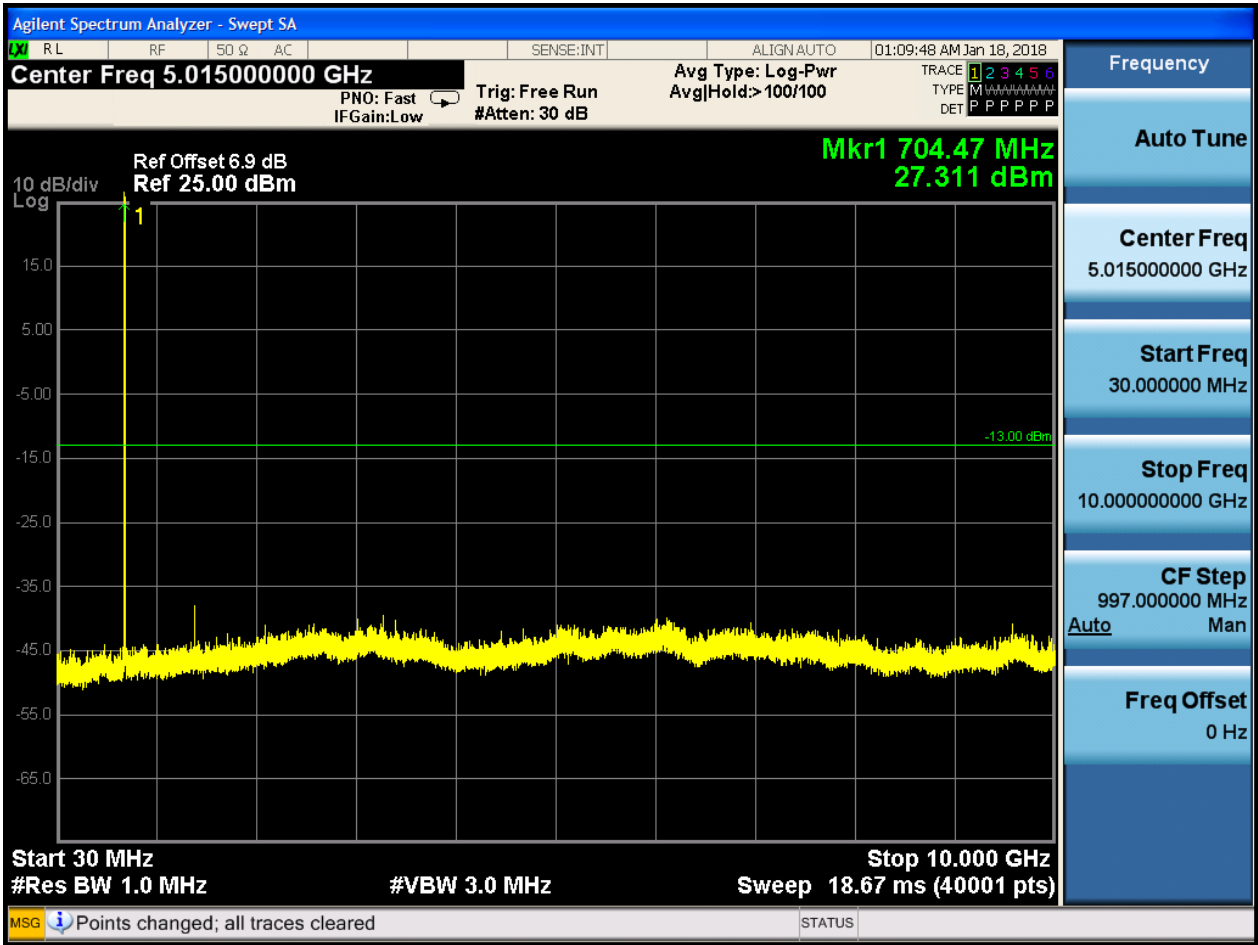
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



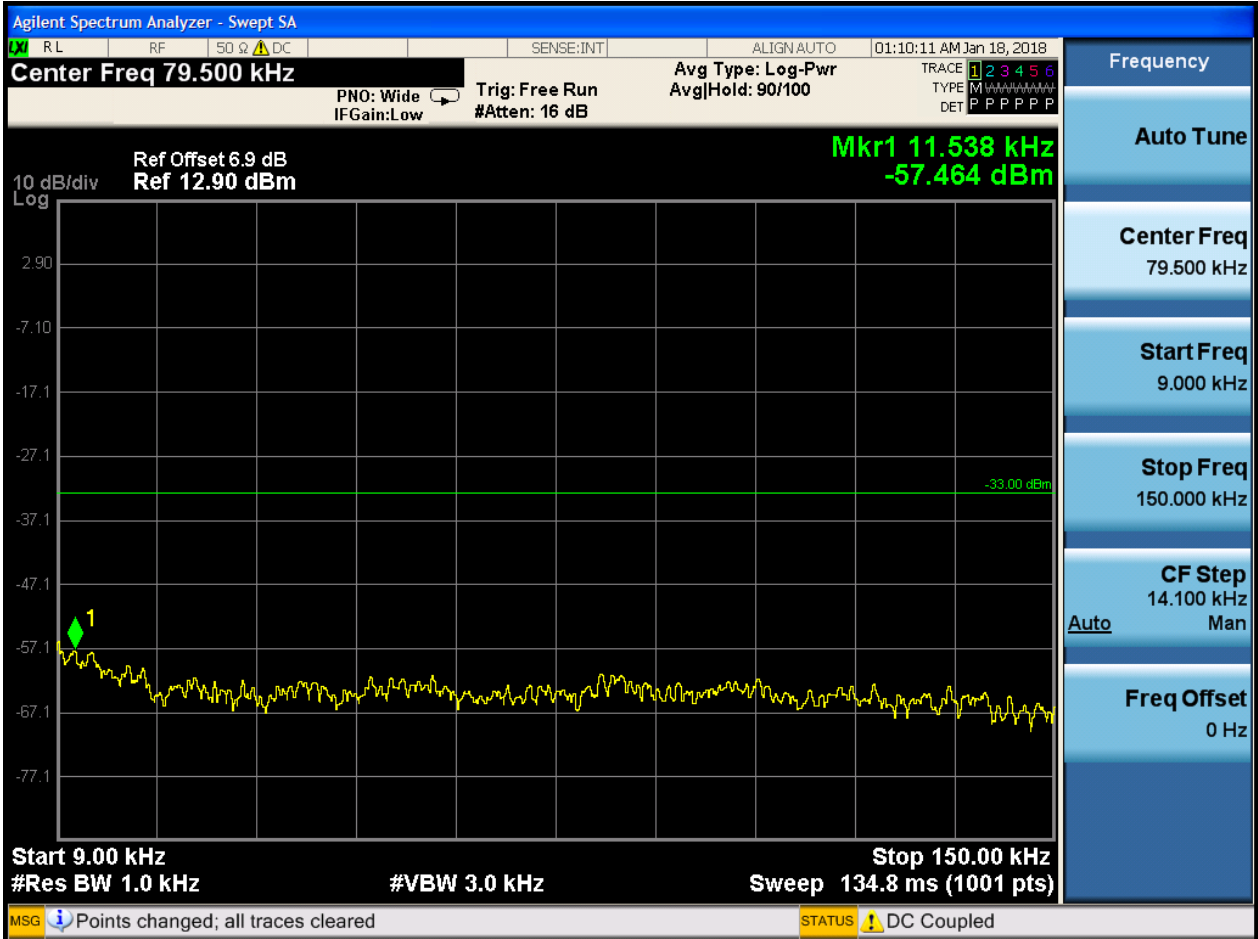


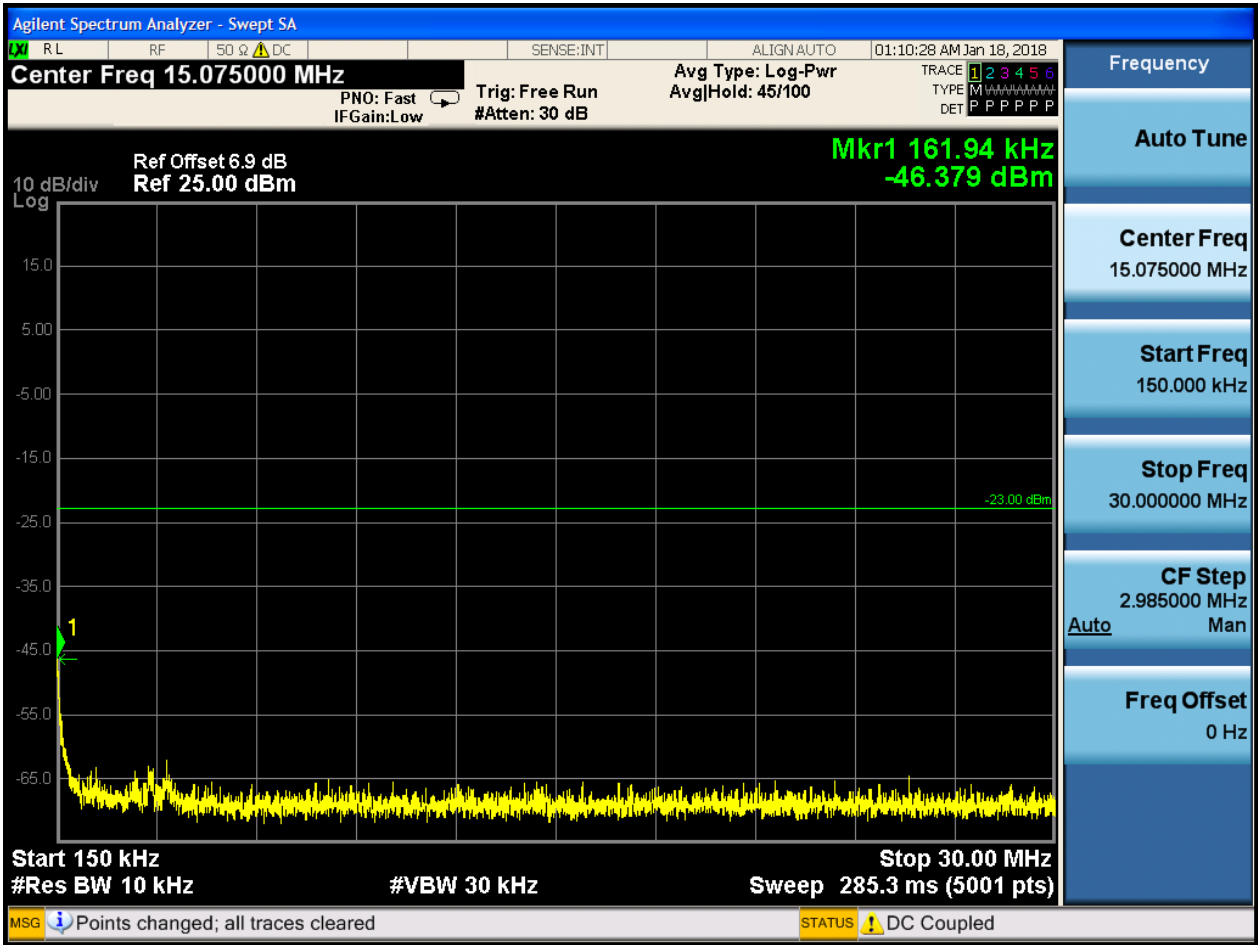


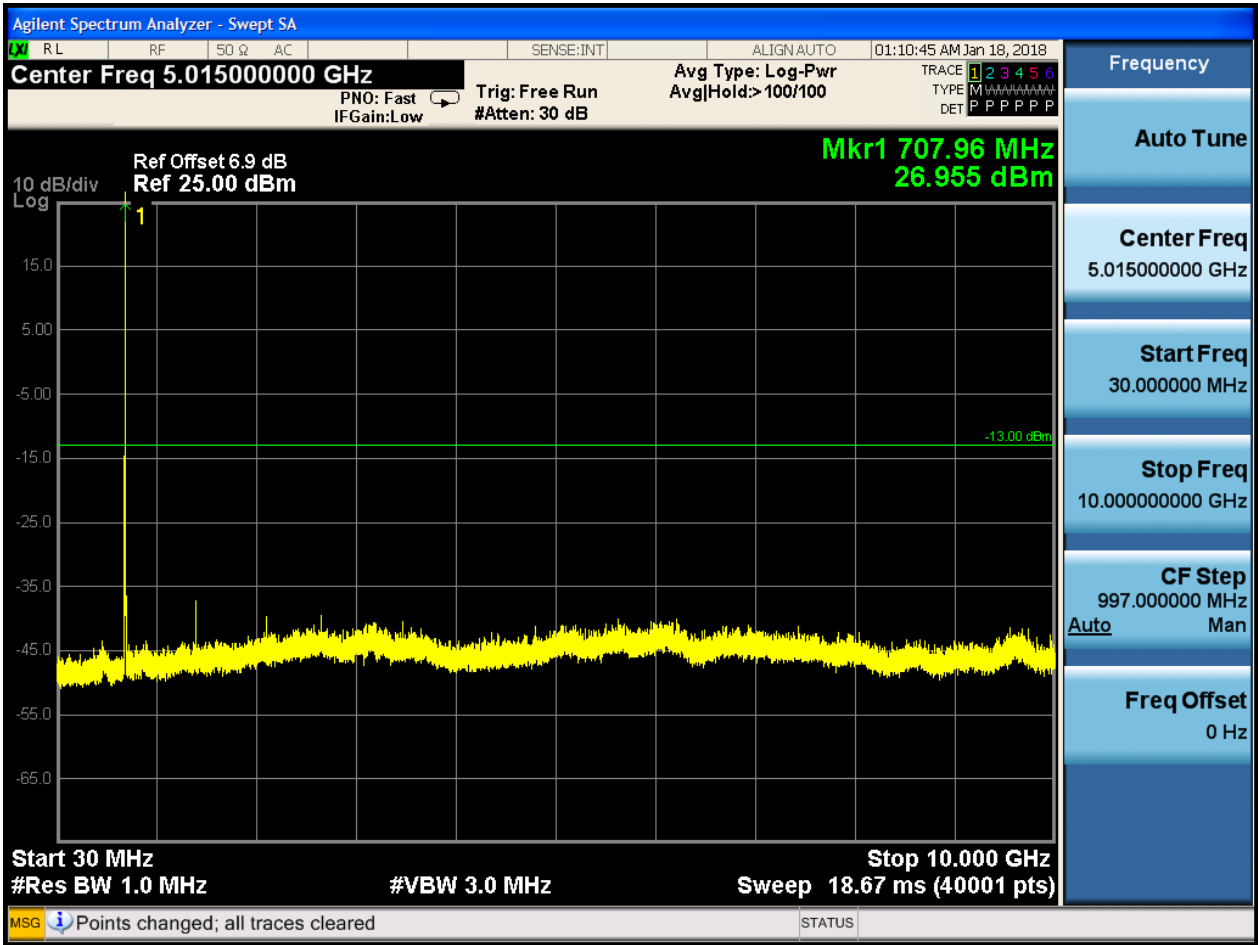


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



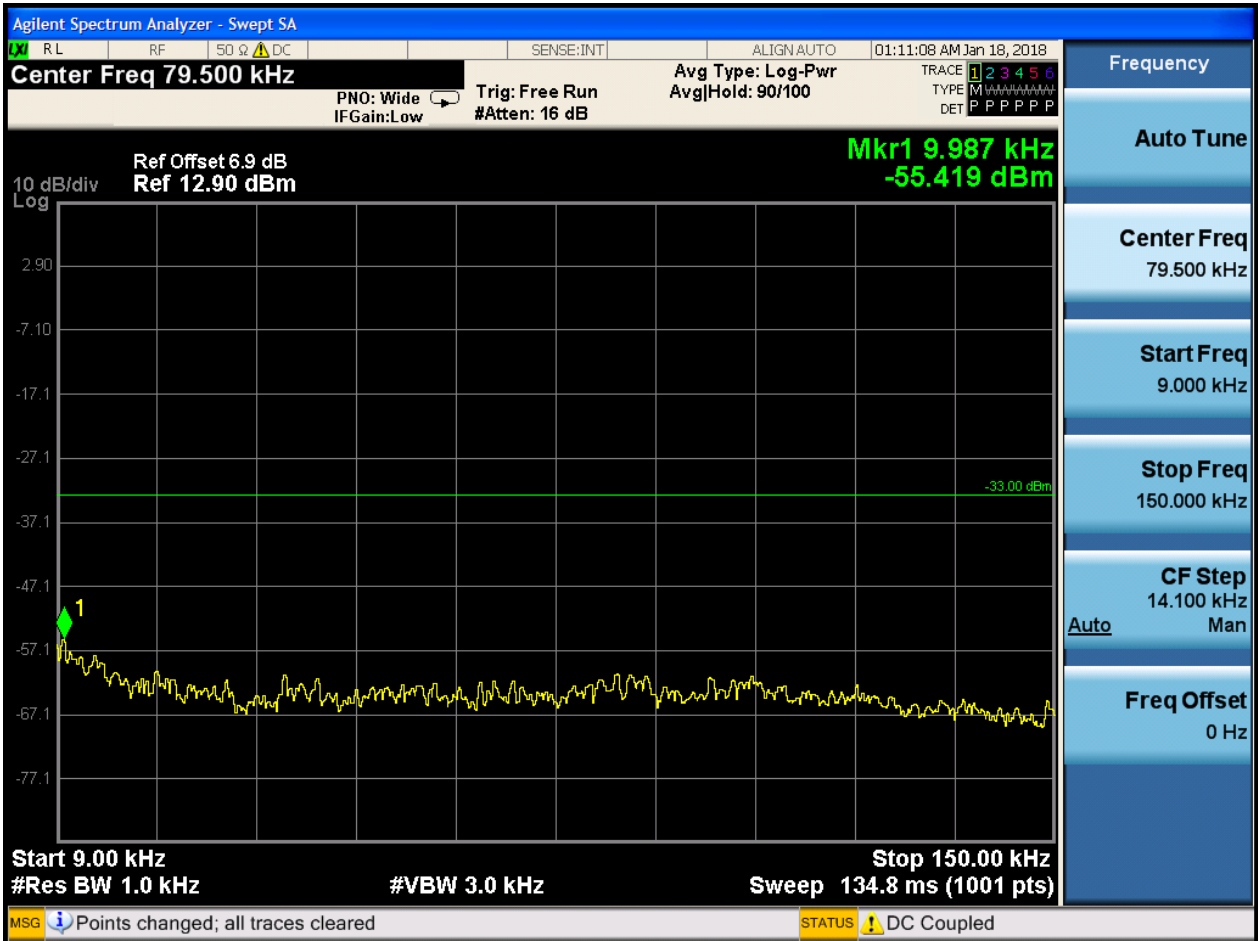


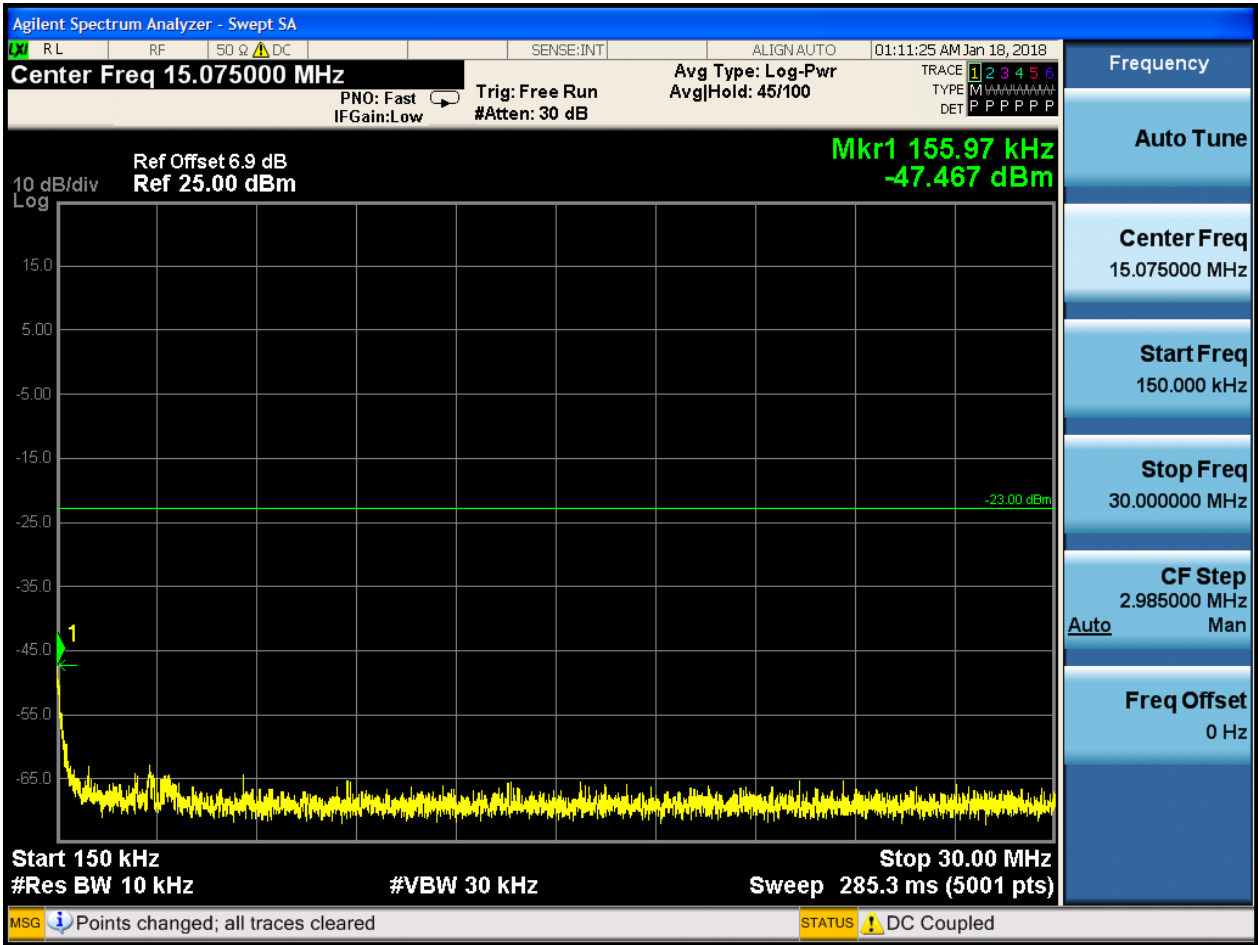


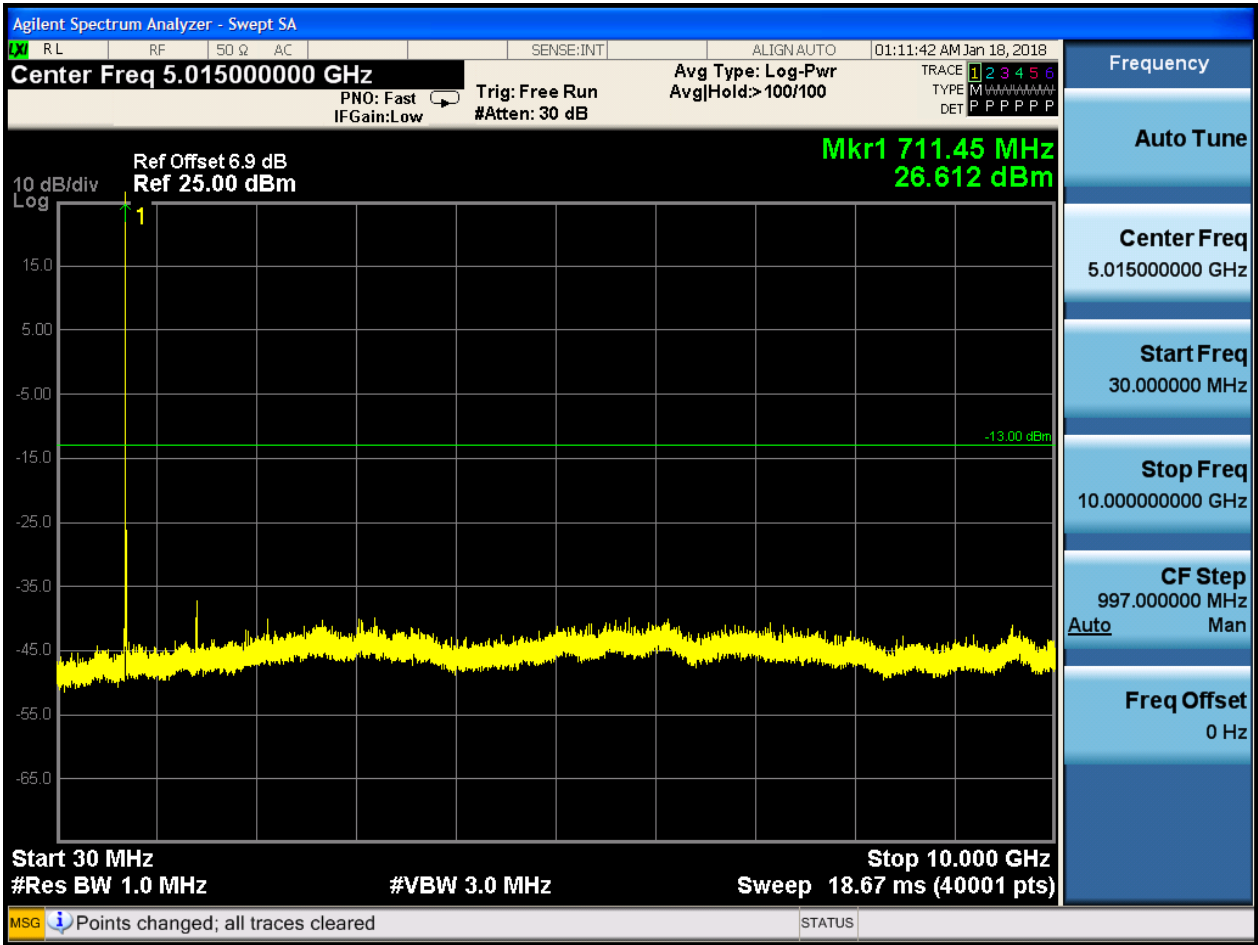


6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0





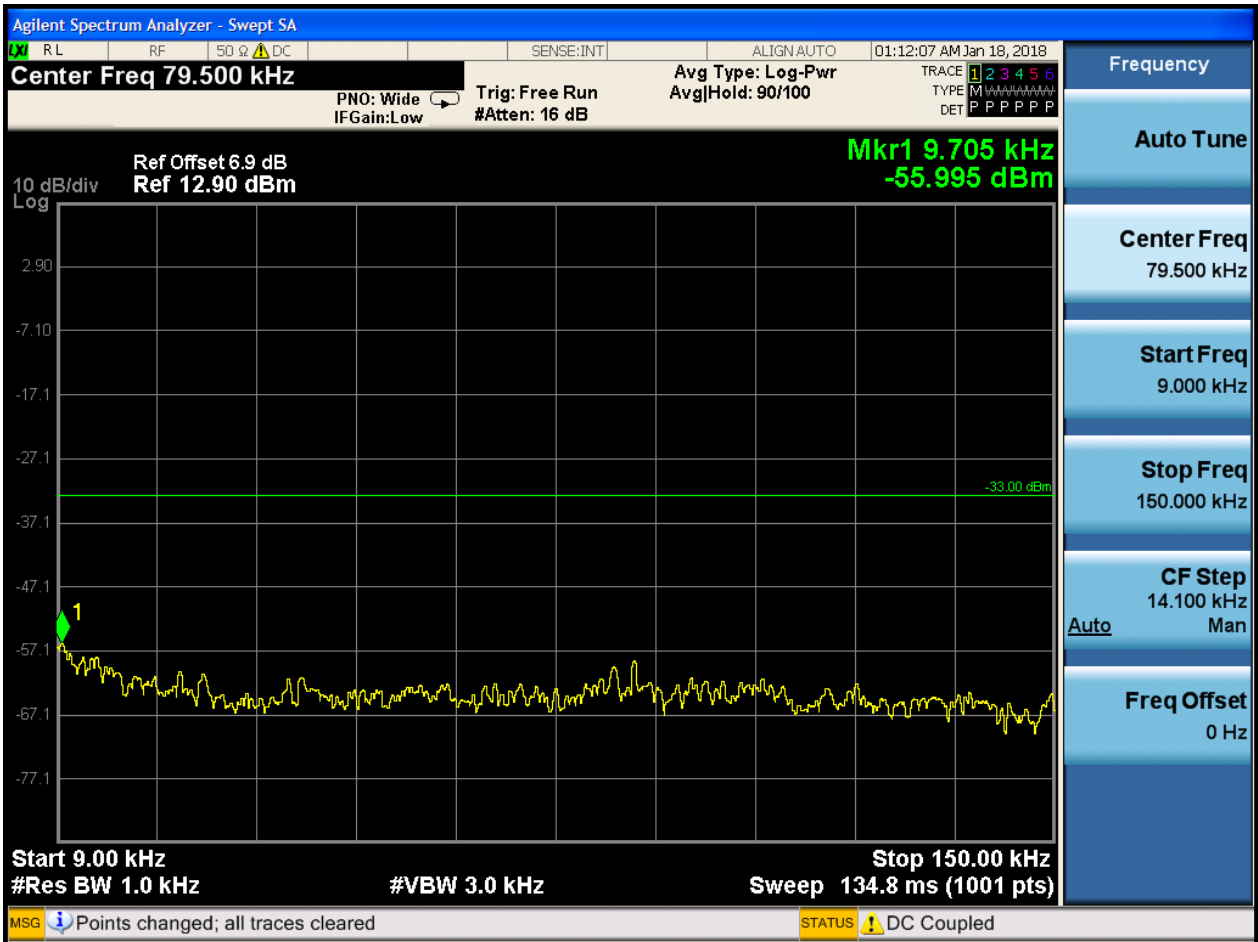


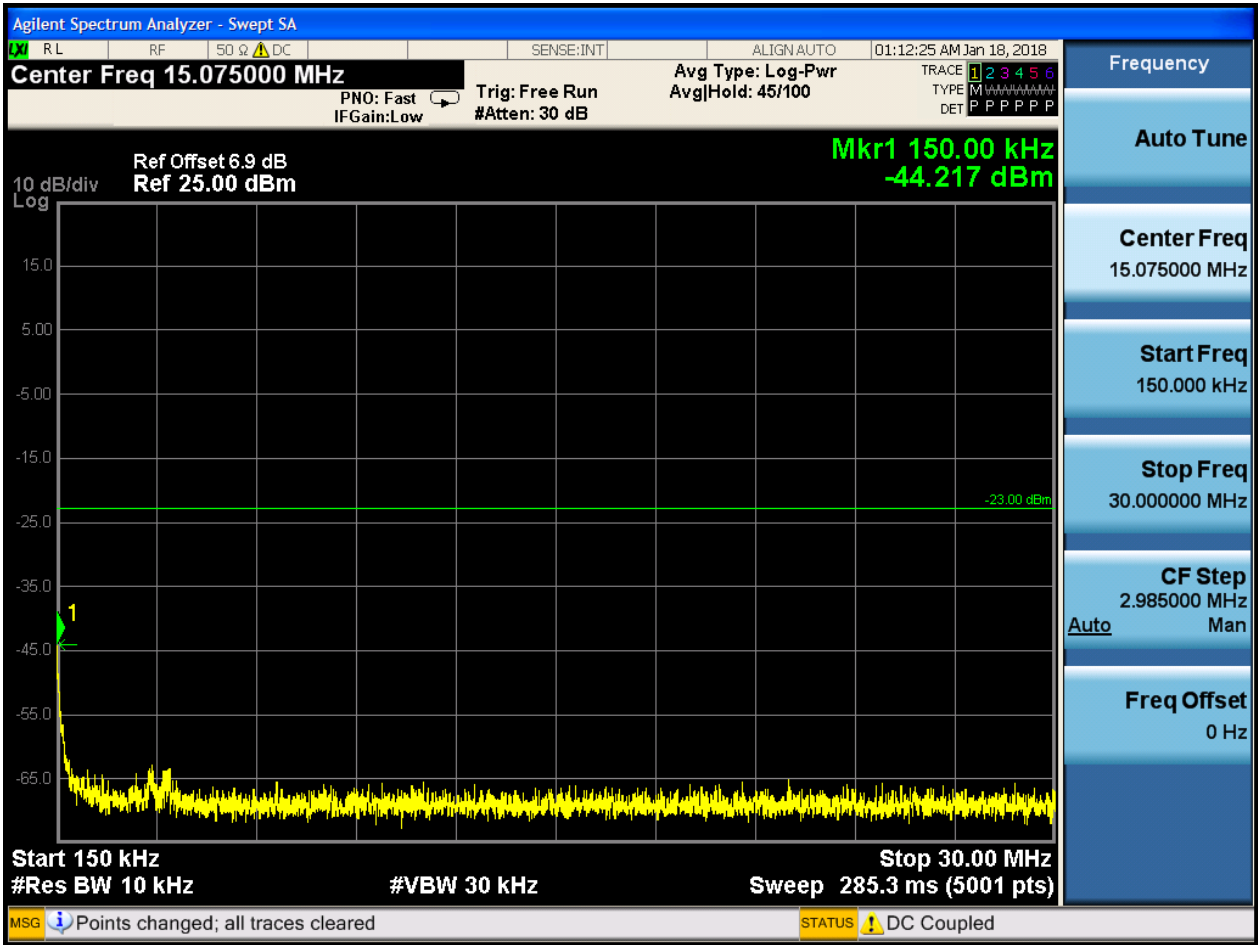


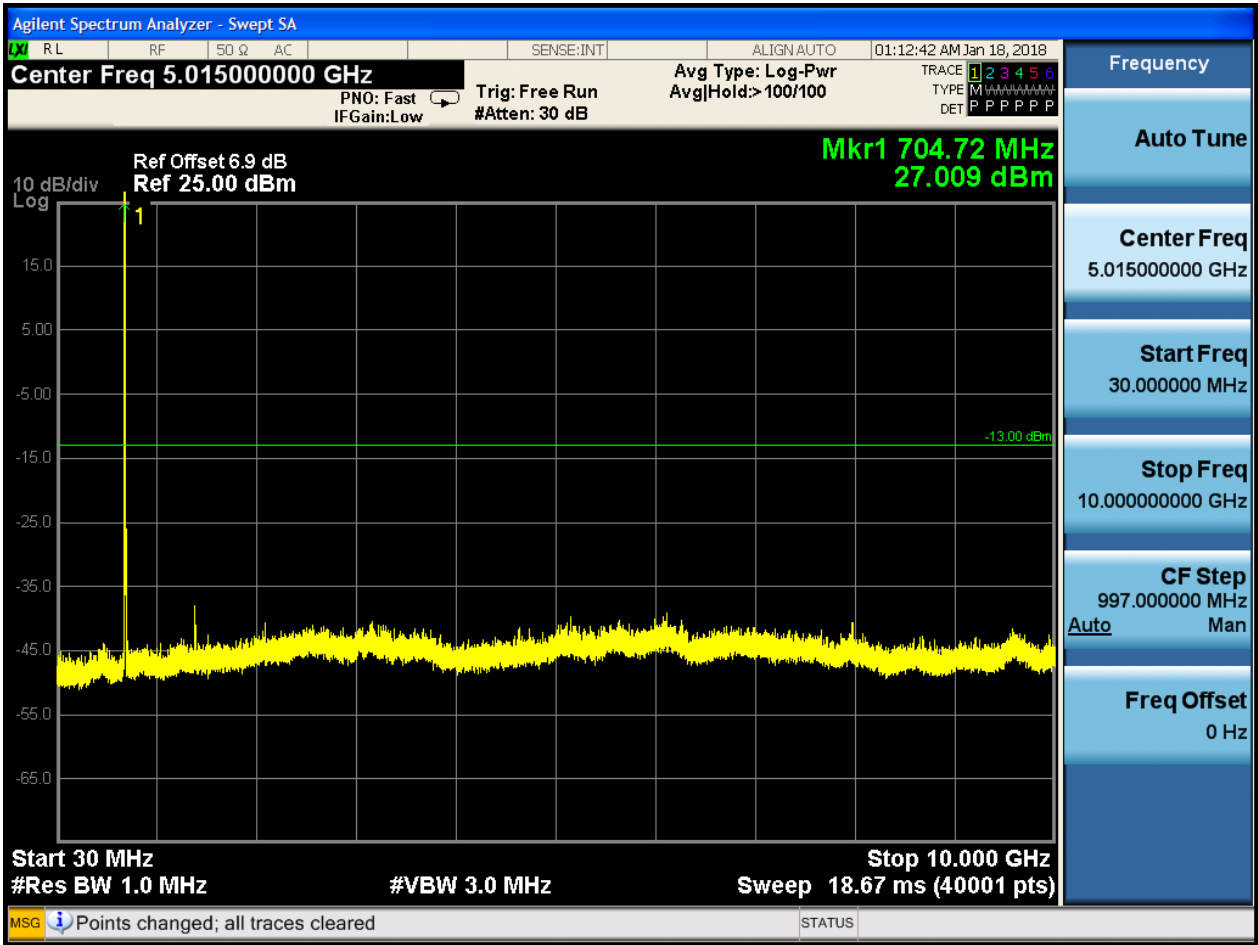
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



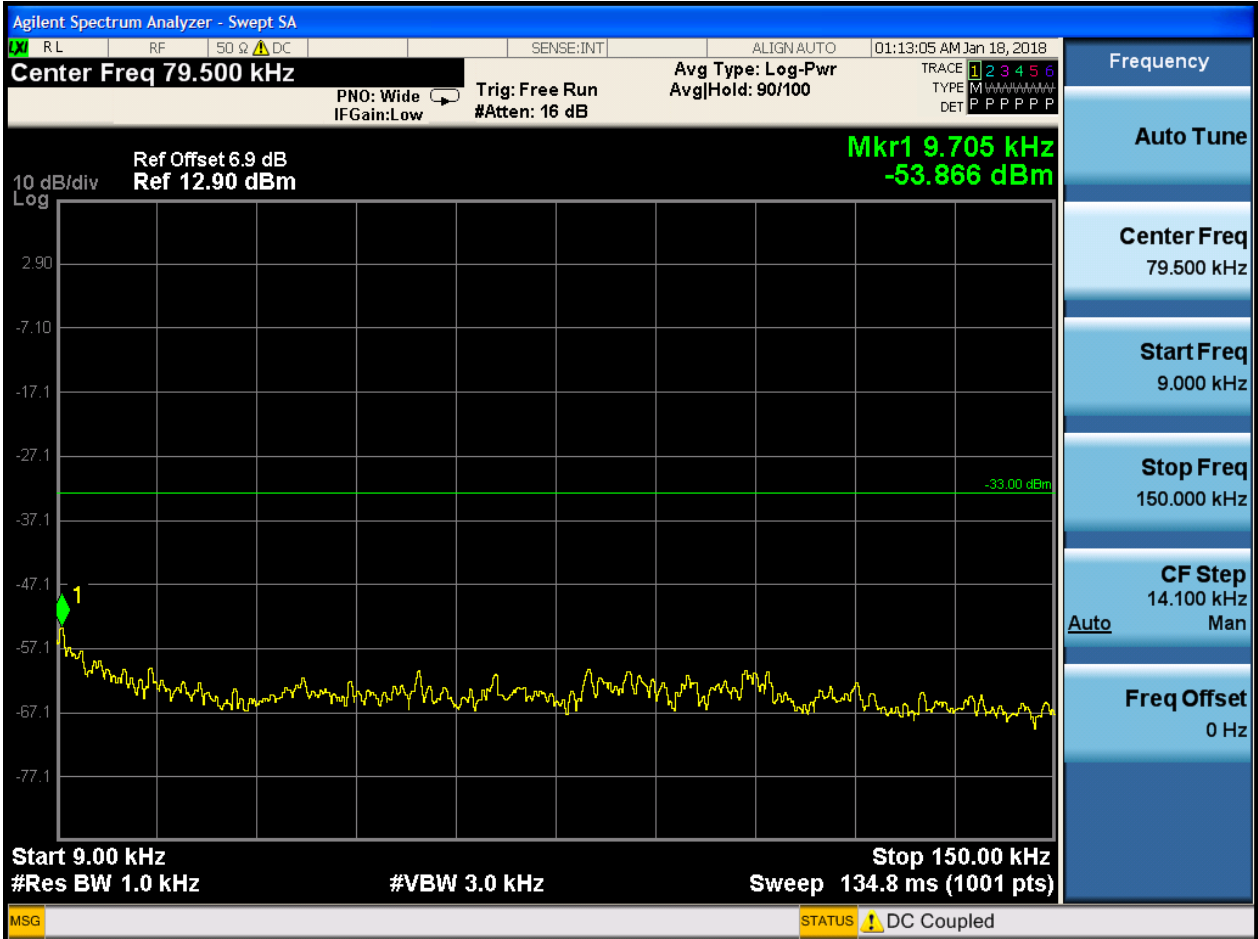


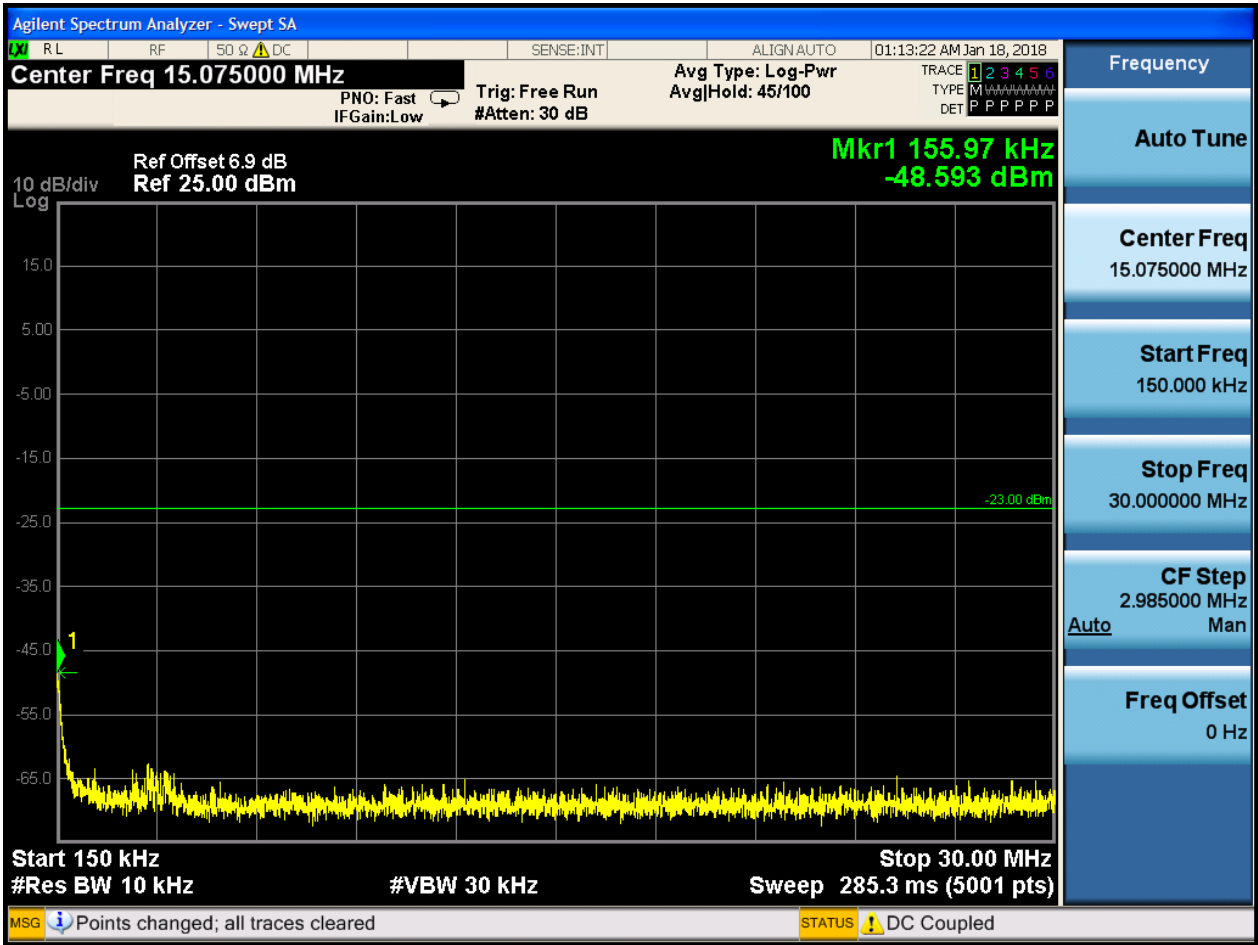


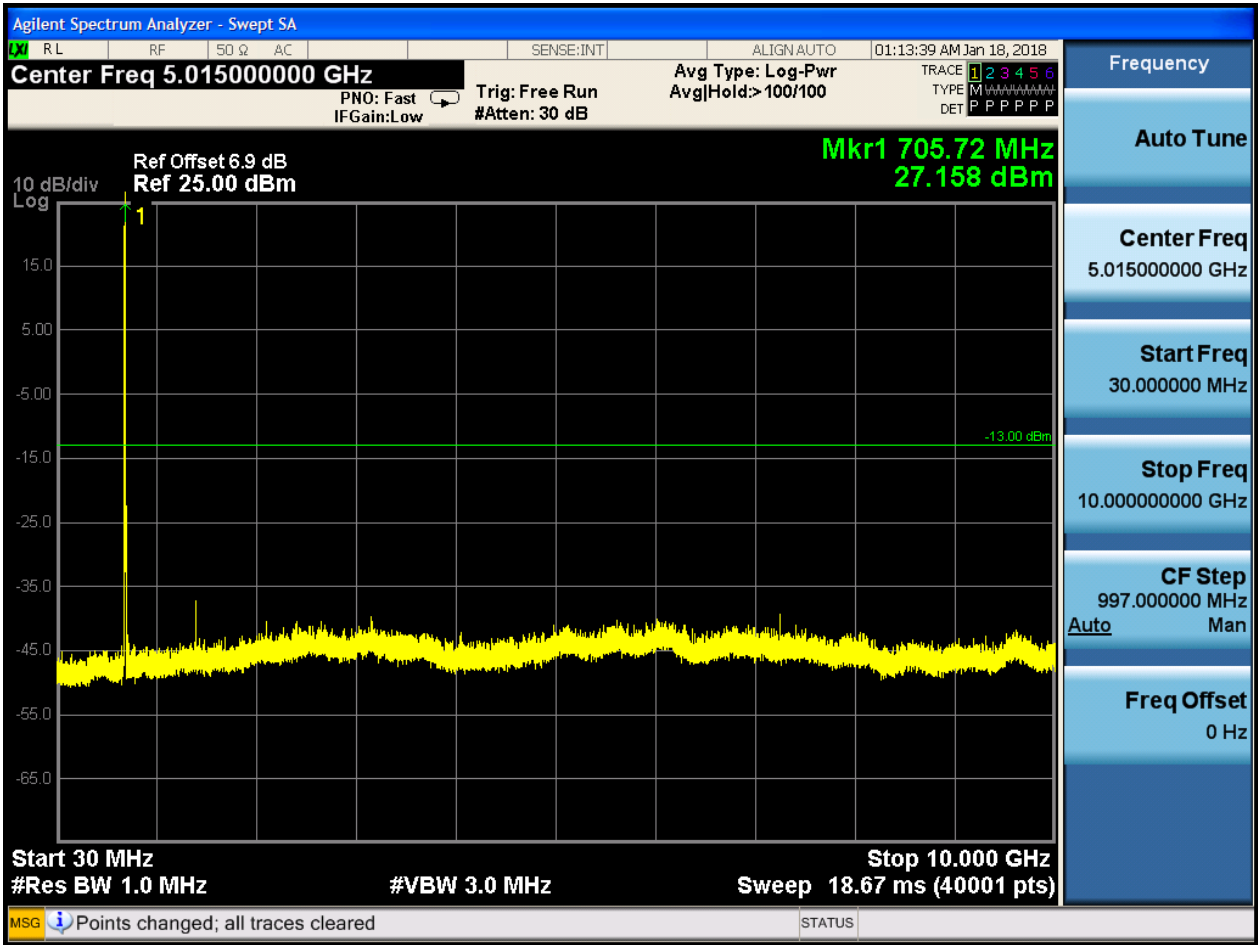


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



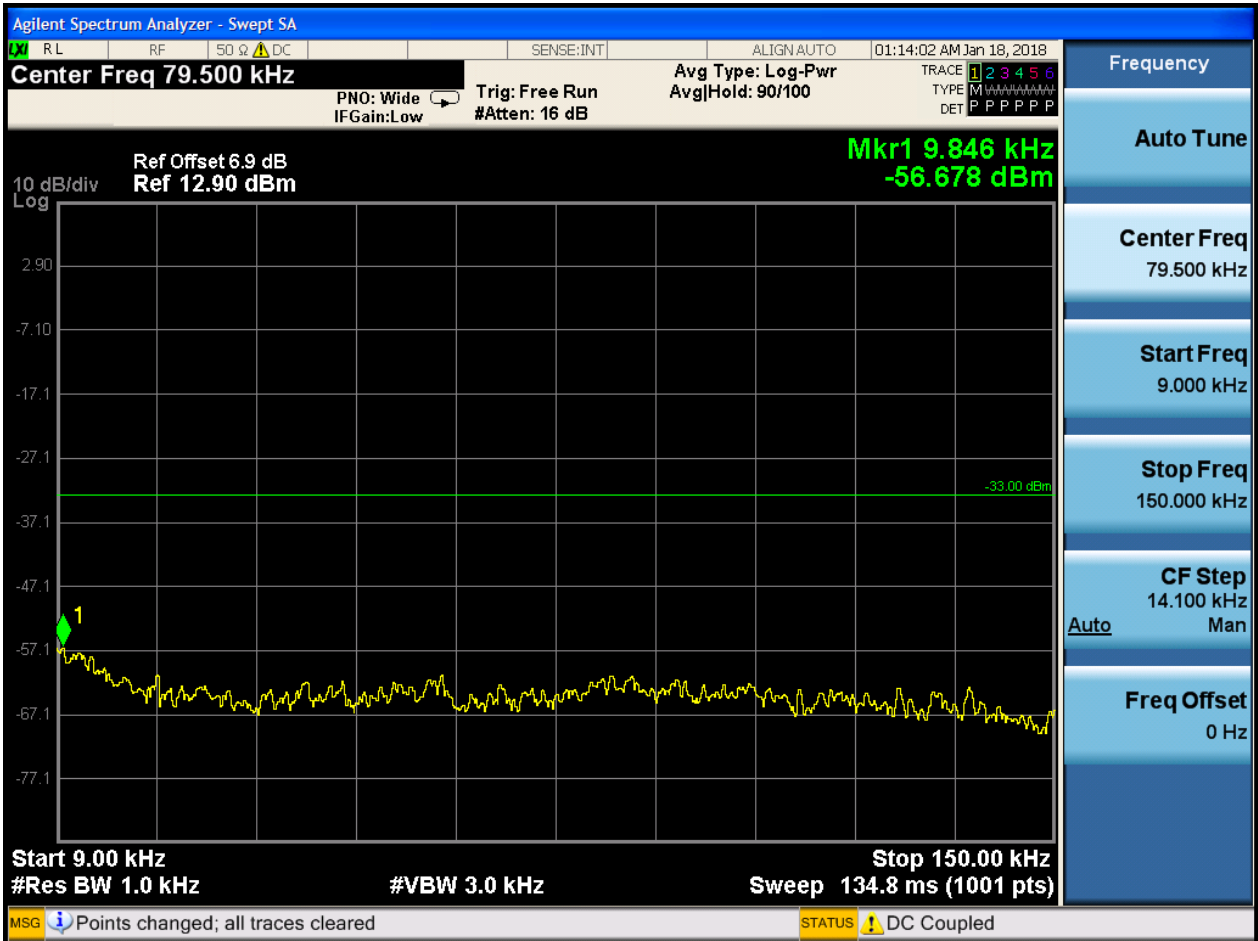


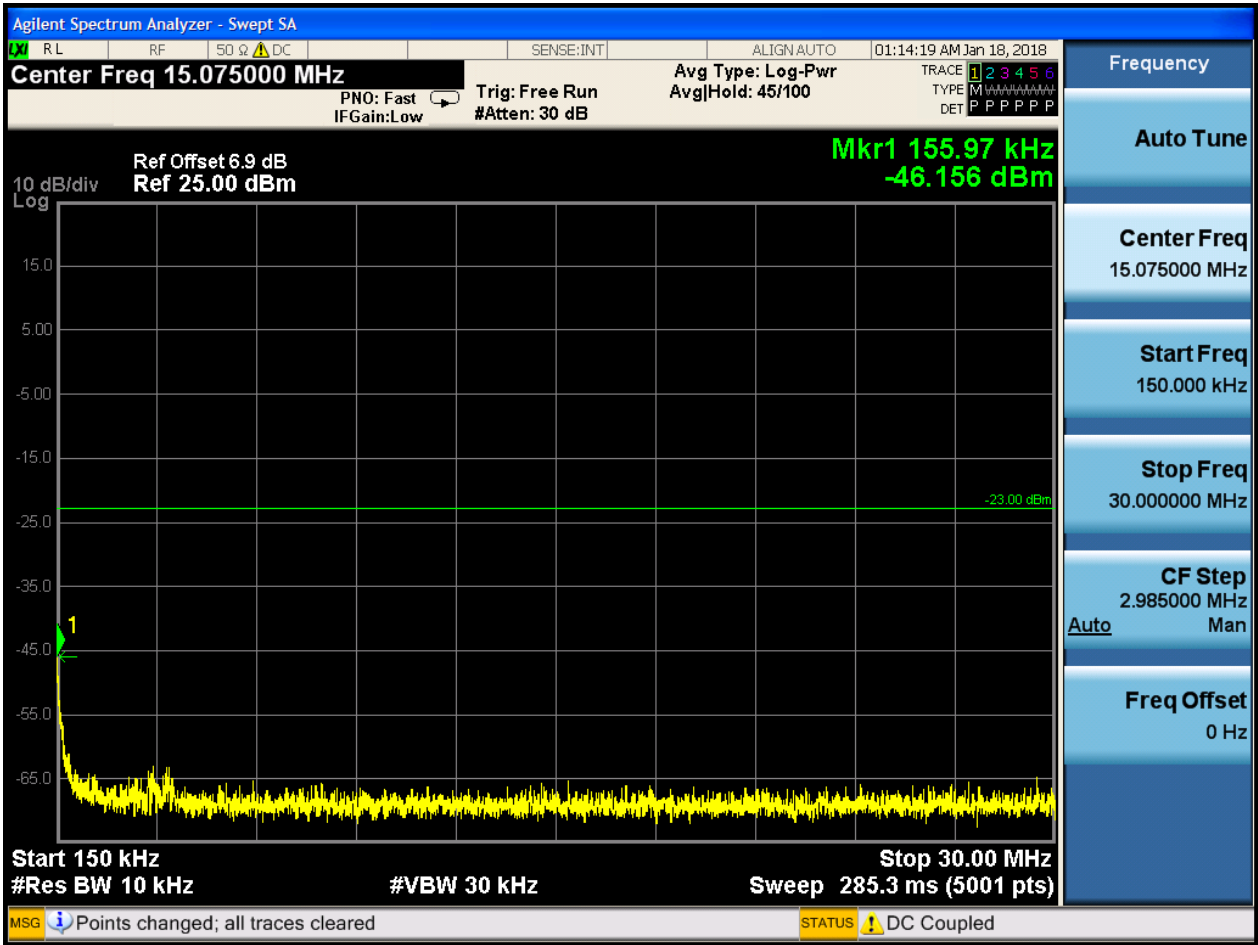


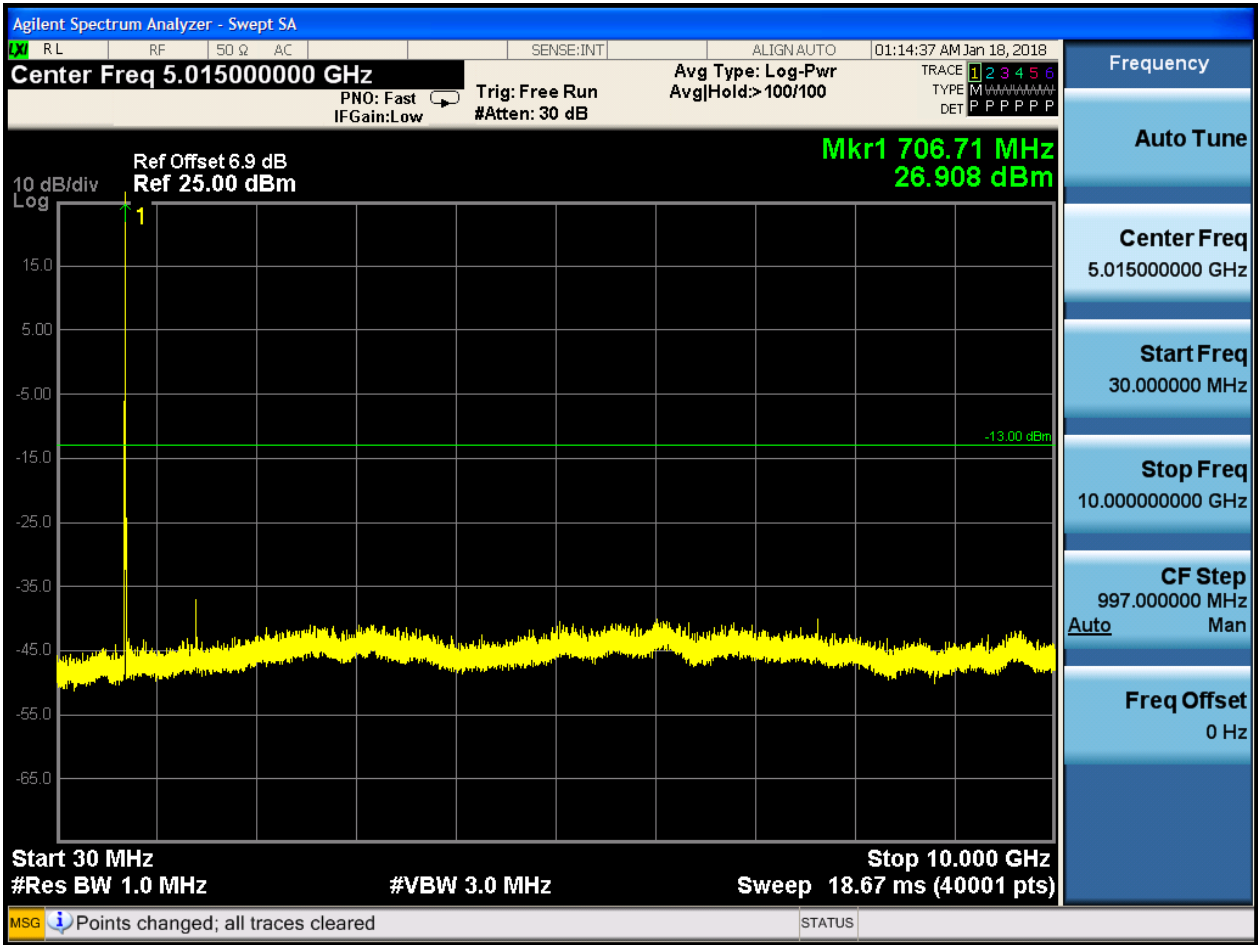


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







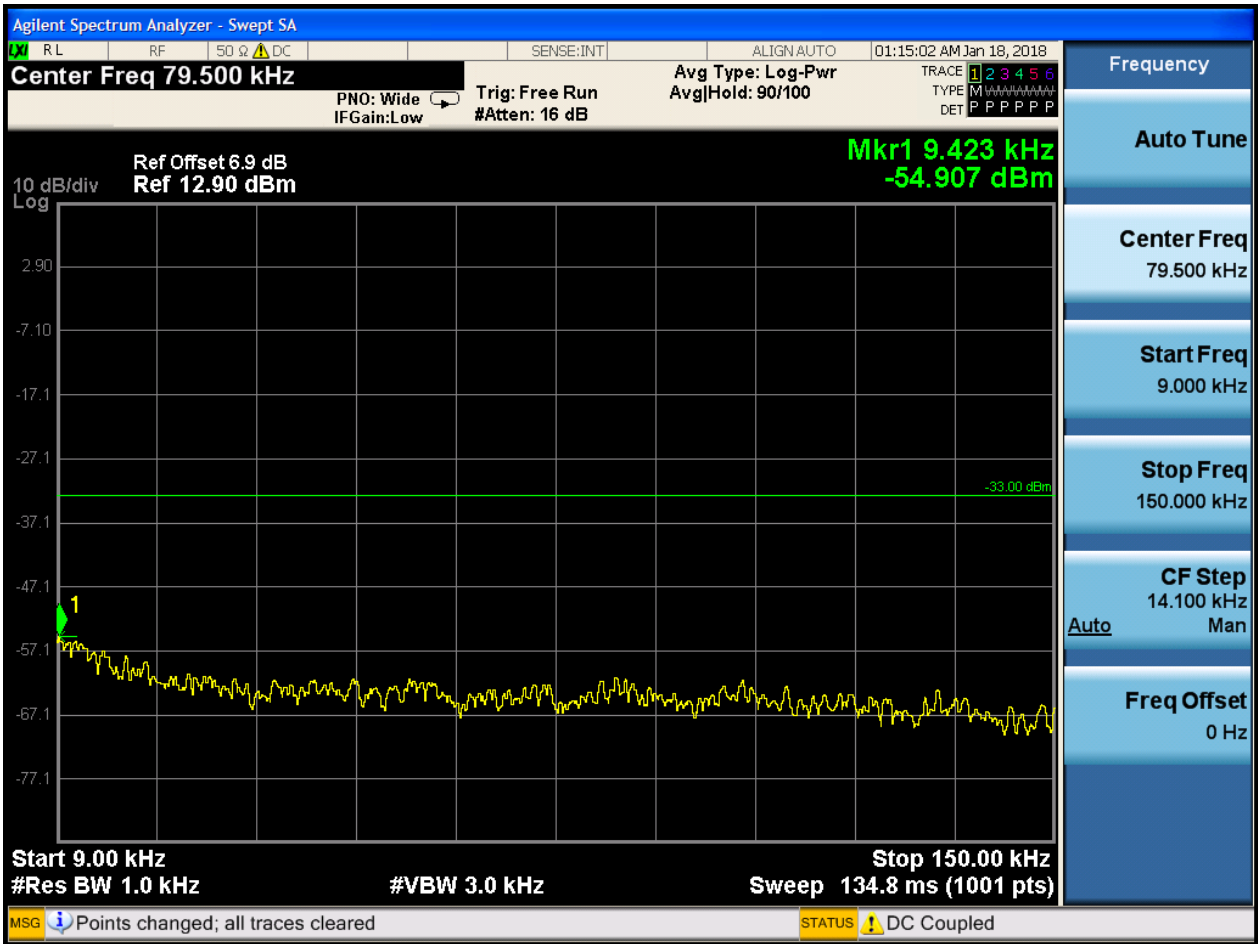


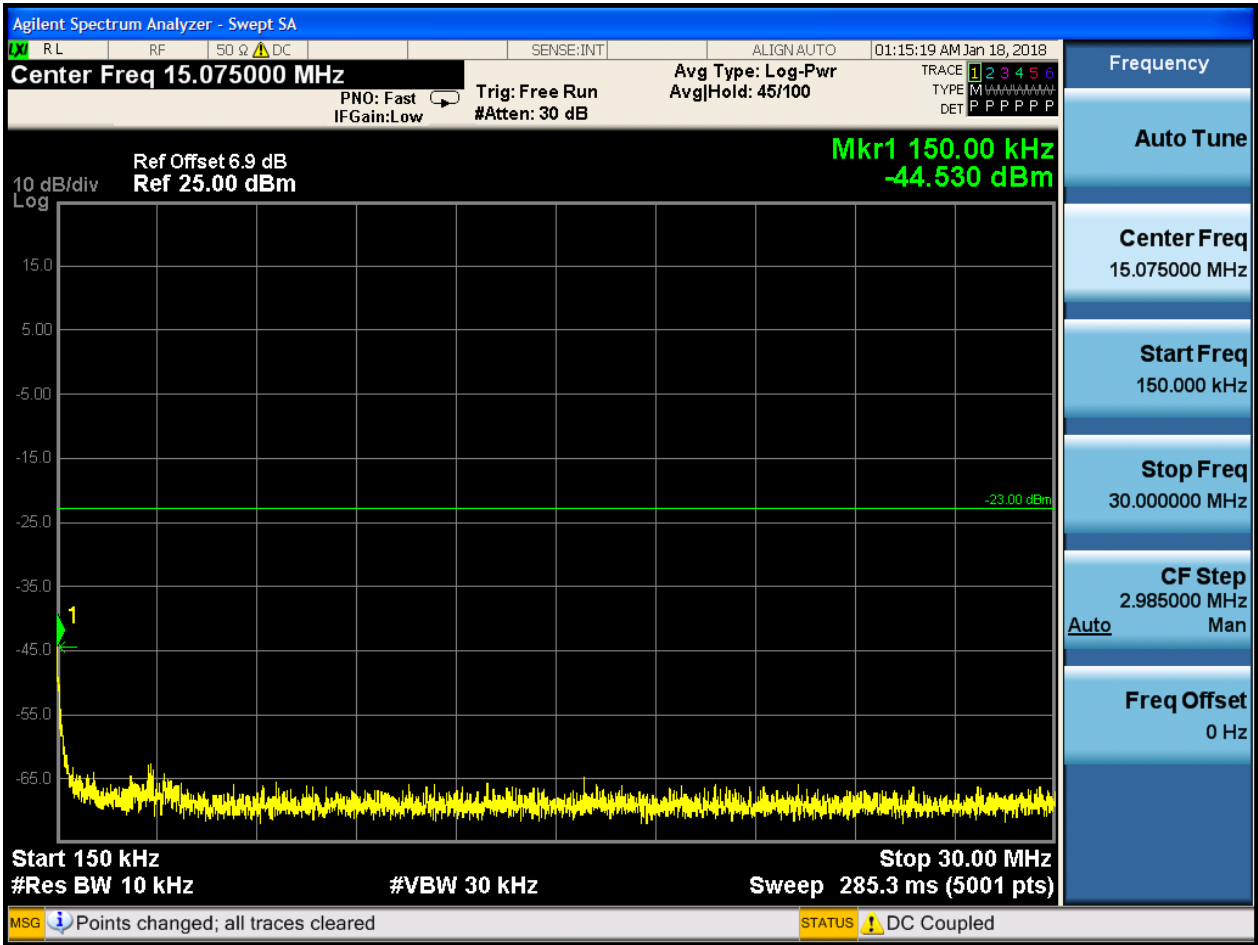
6.1.1.2 Test Mode = LTE/TM2

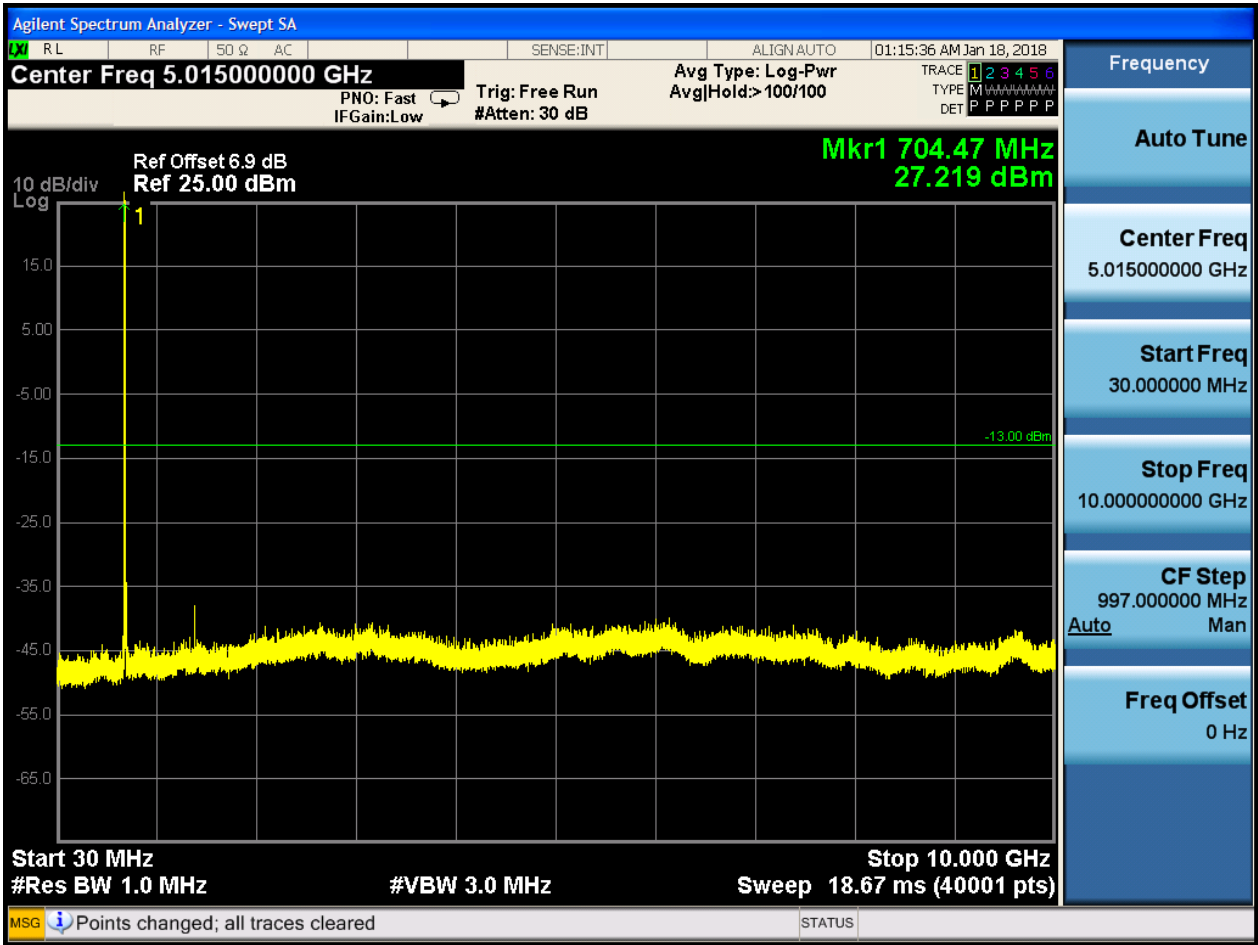
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



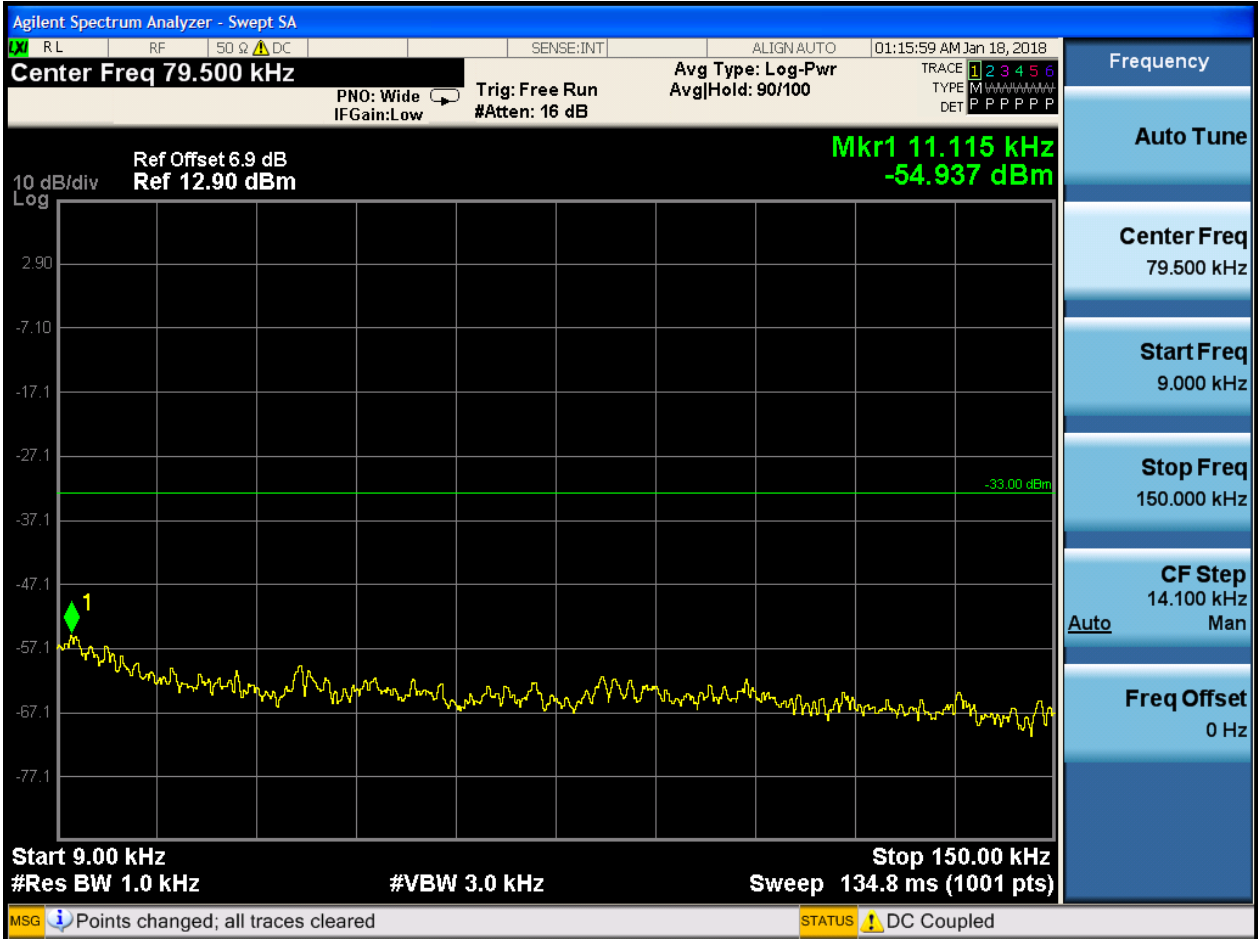


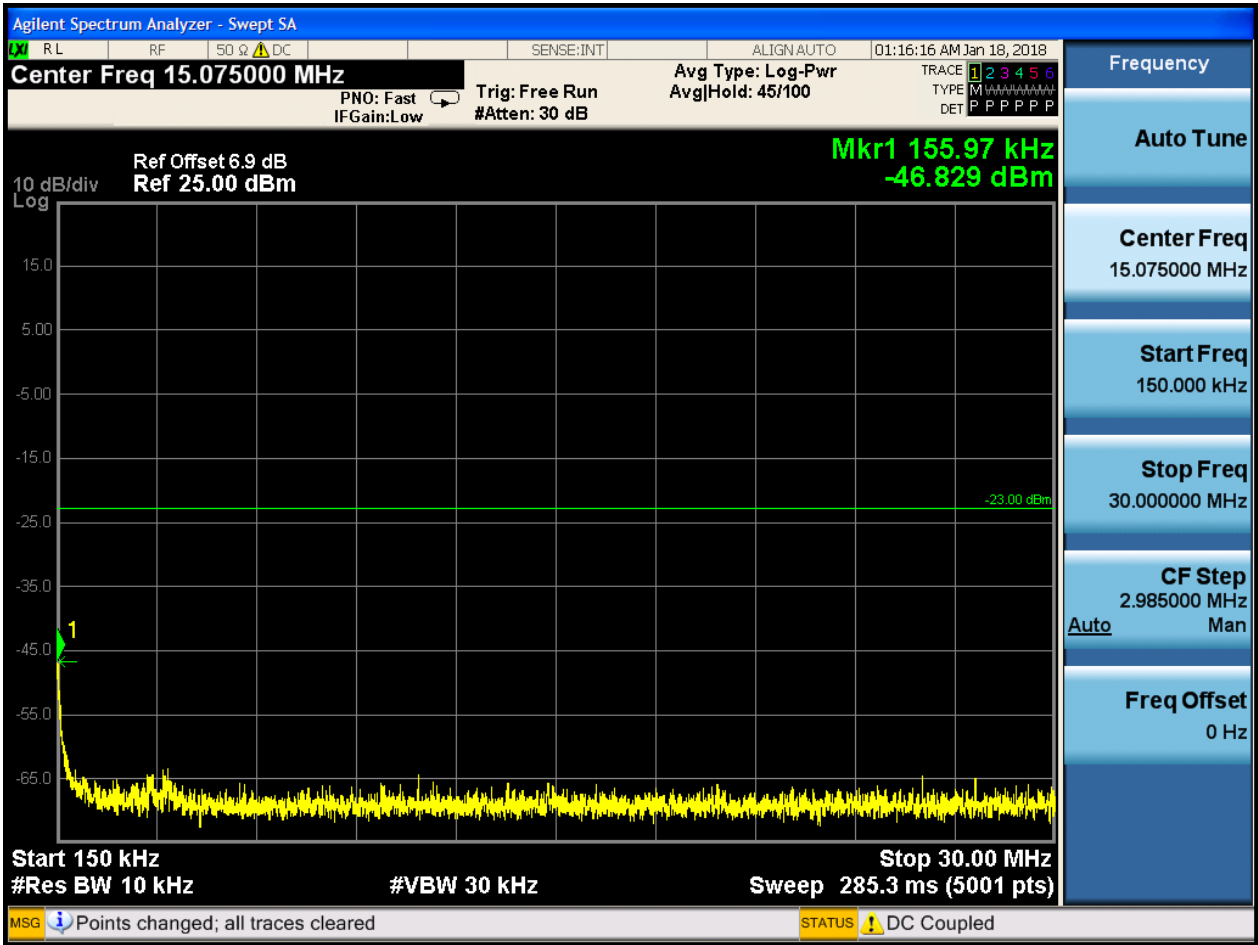


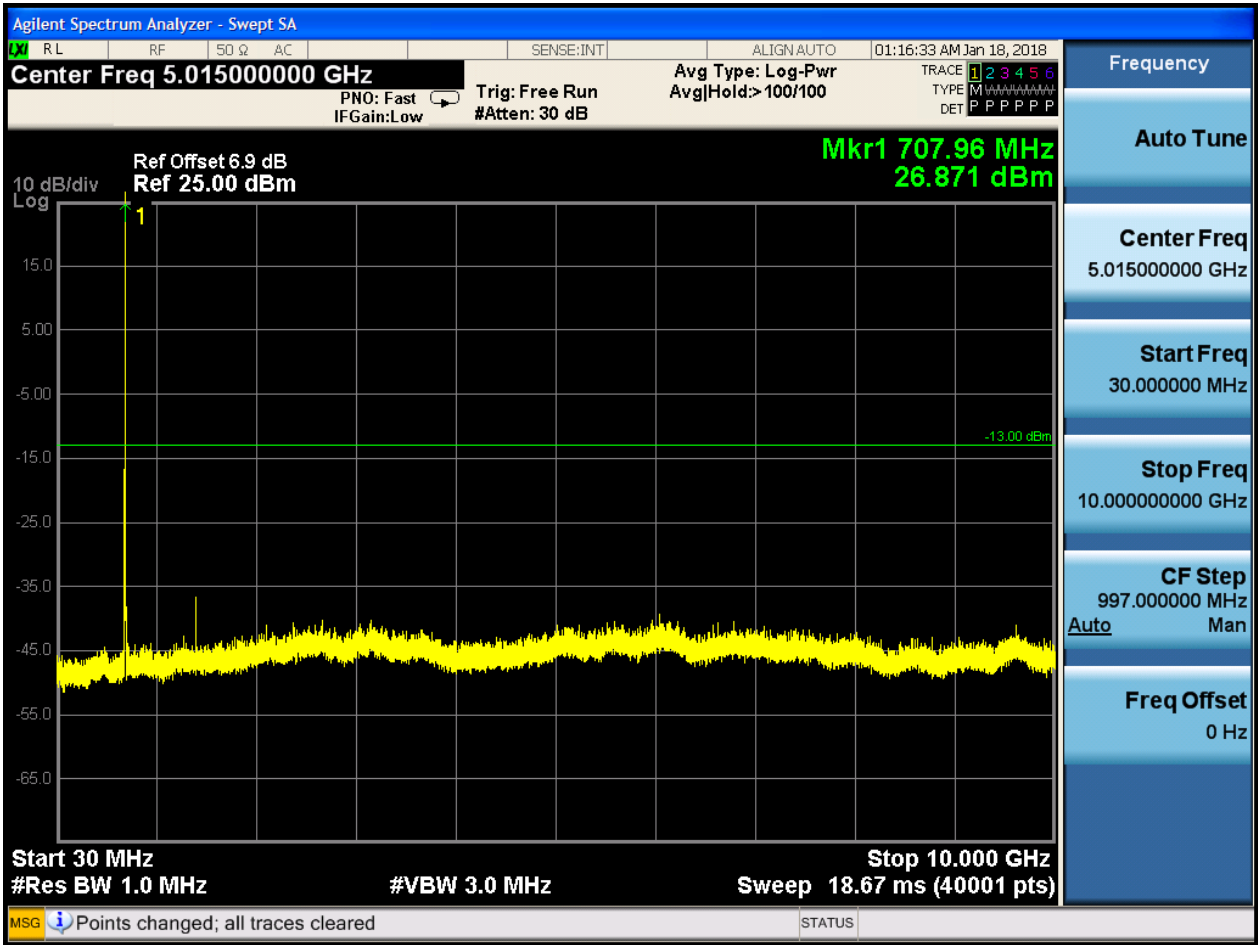


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



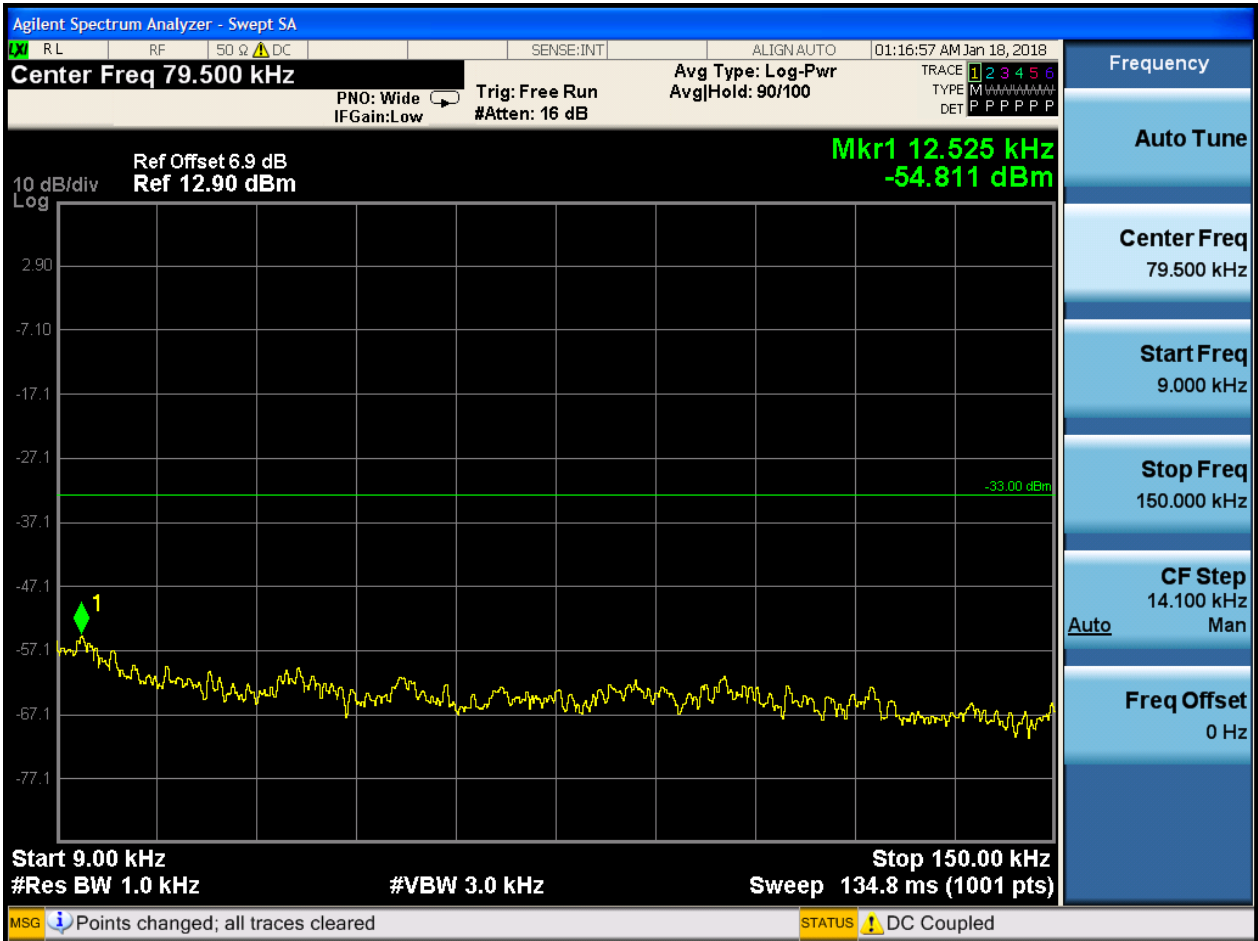


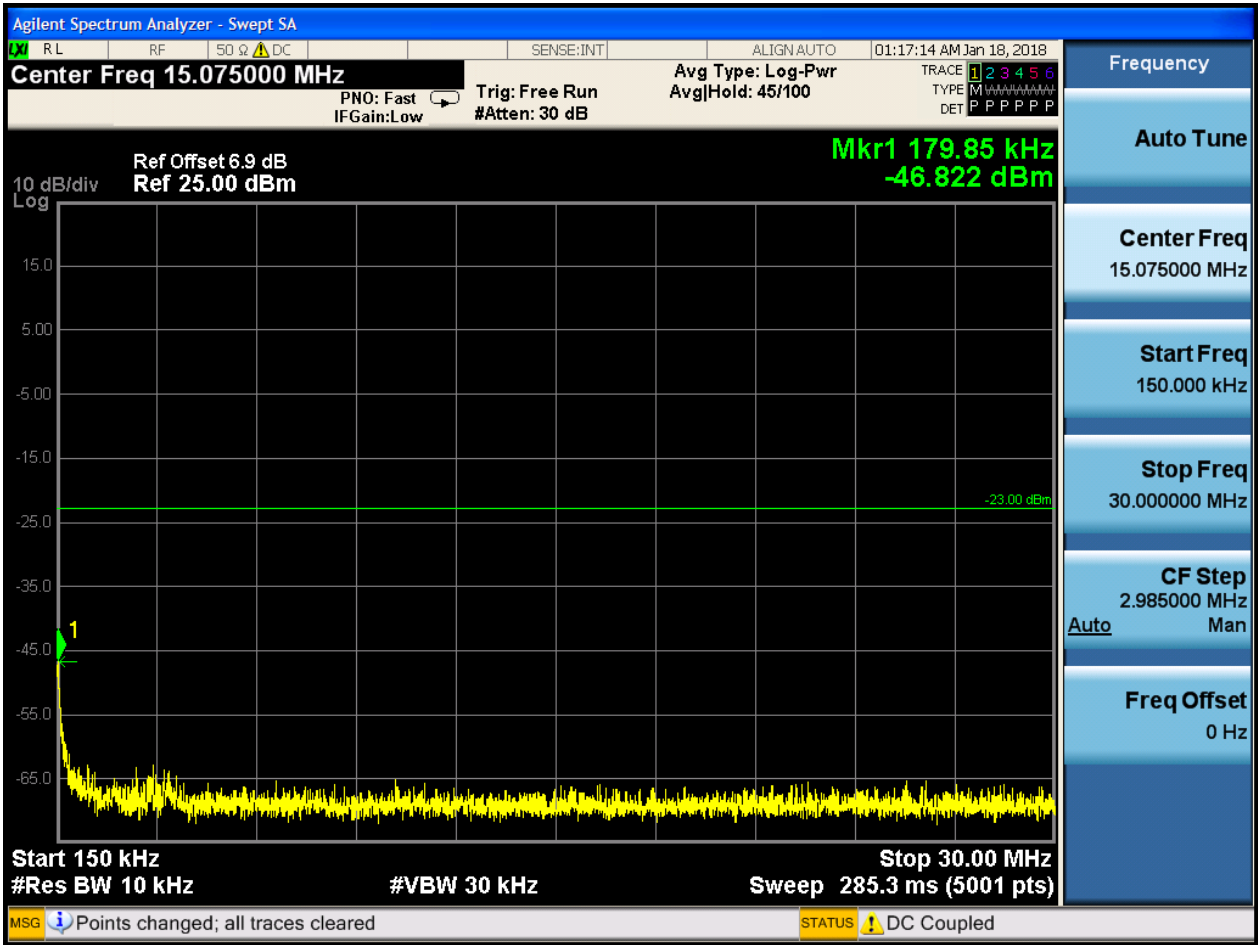


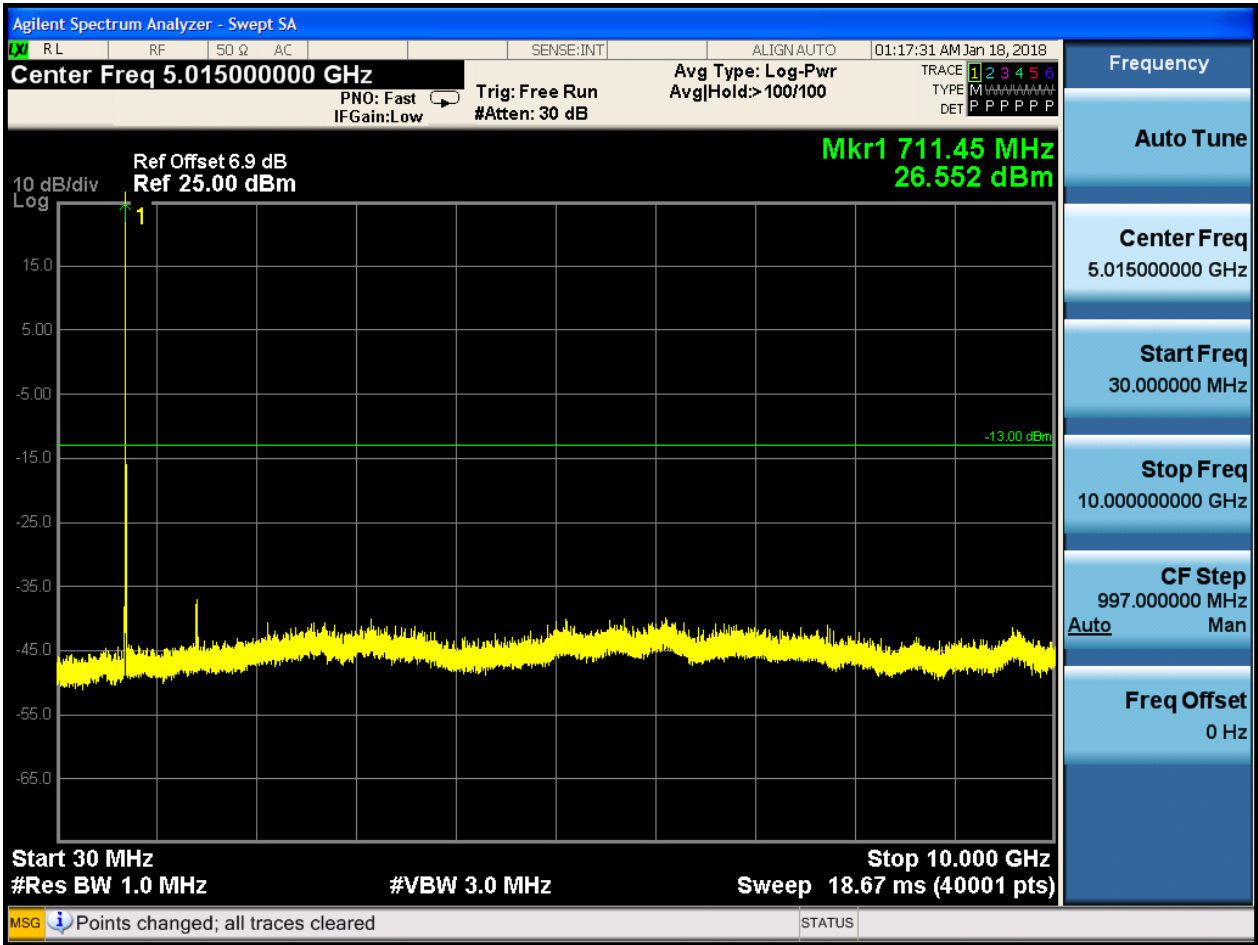


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





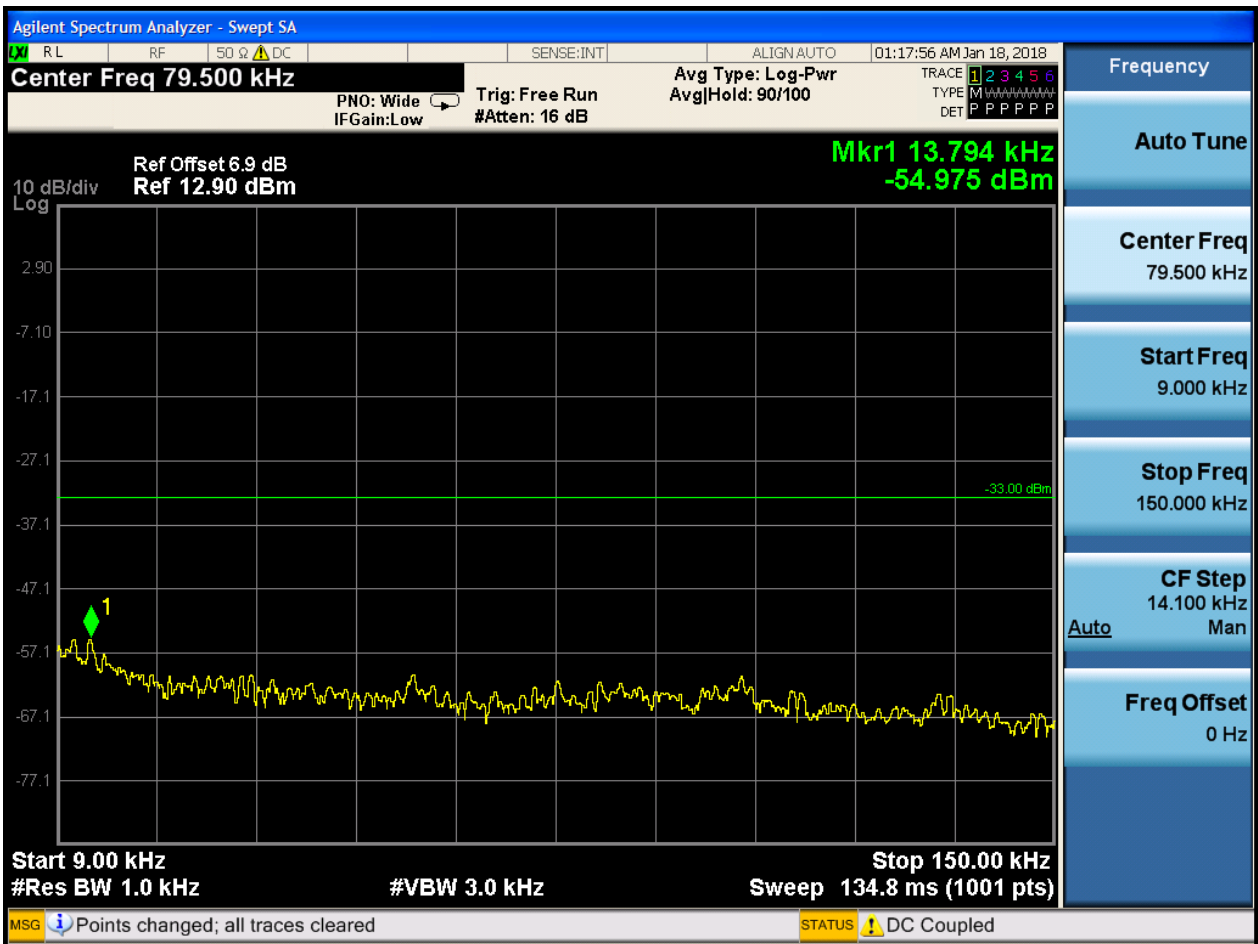


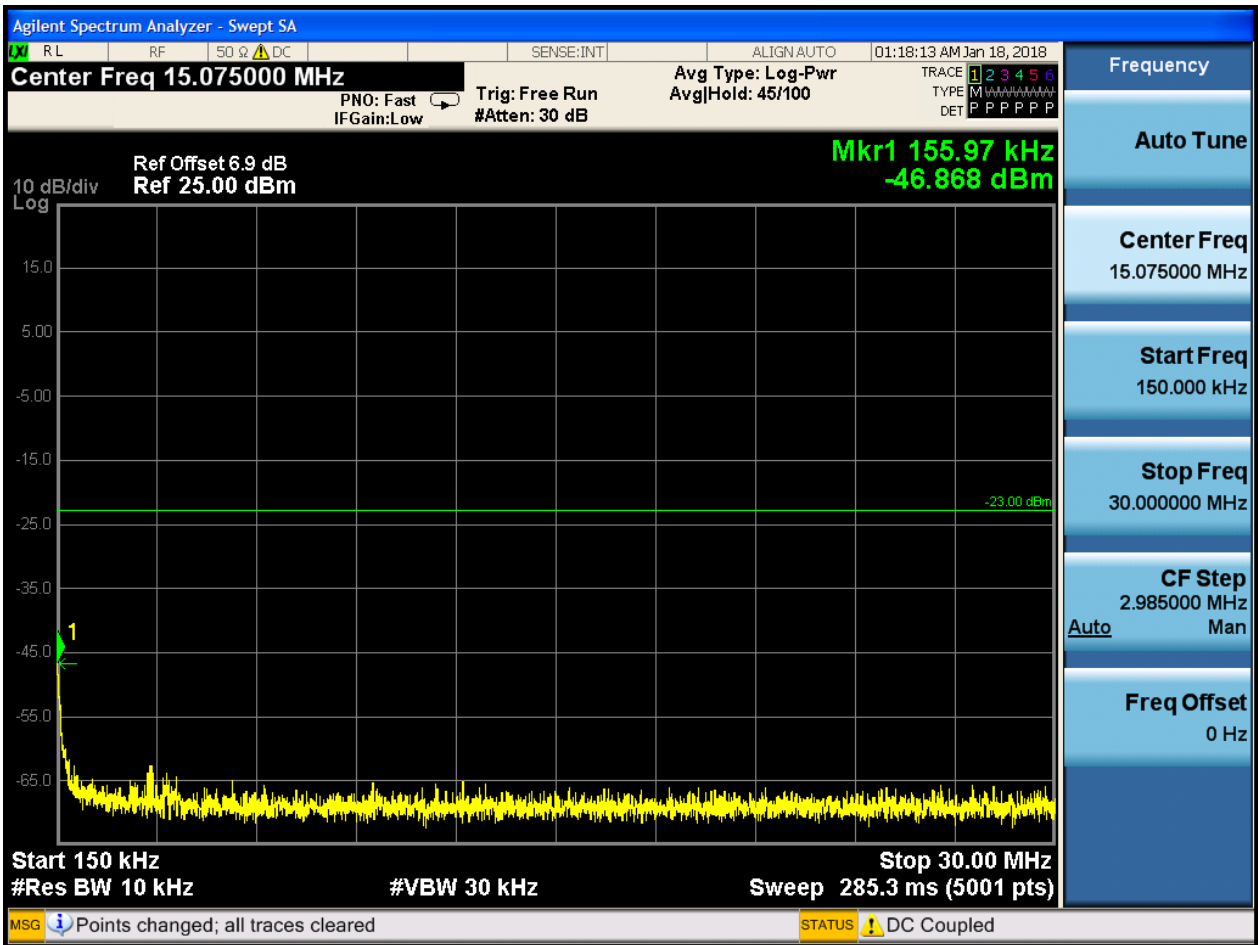


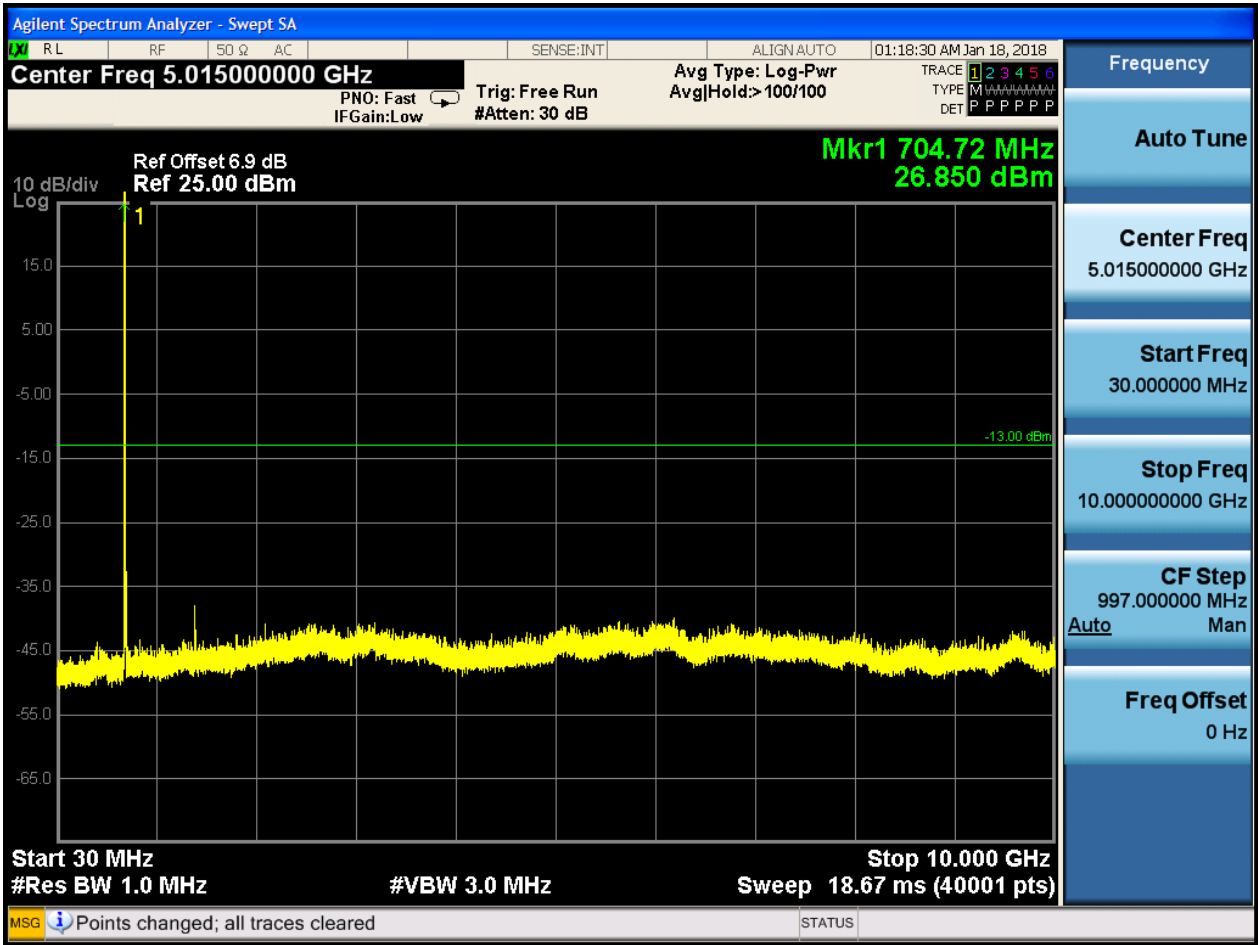
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



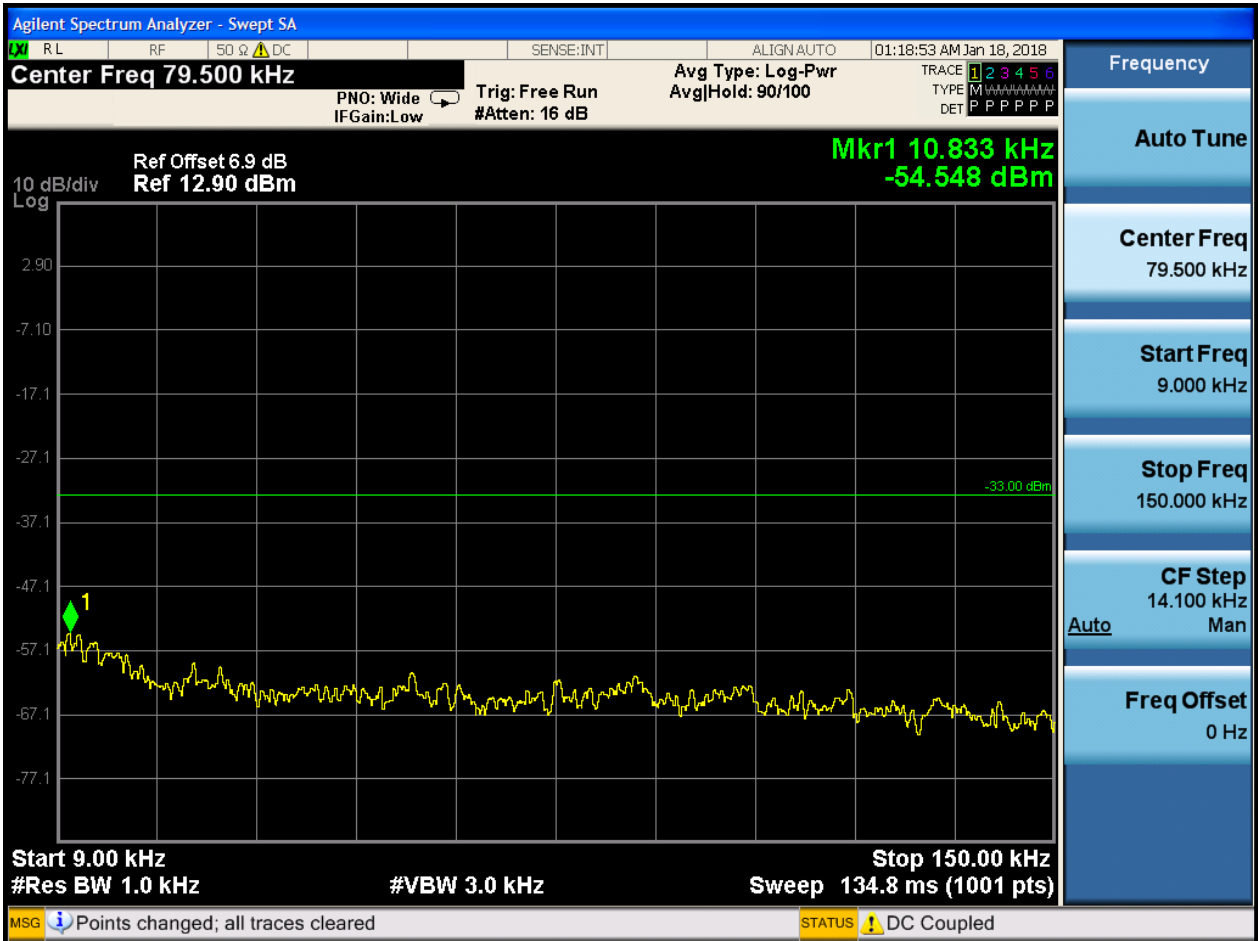


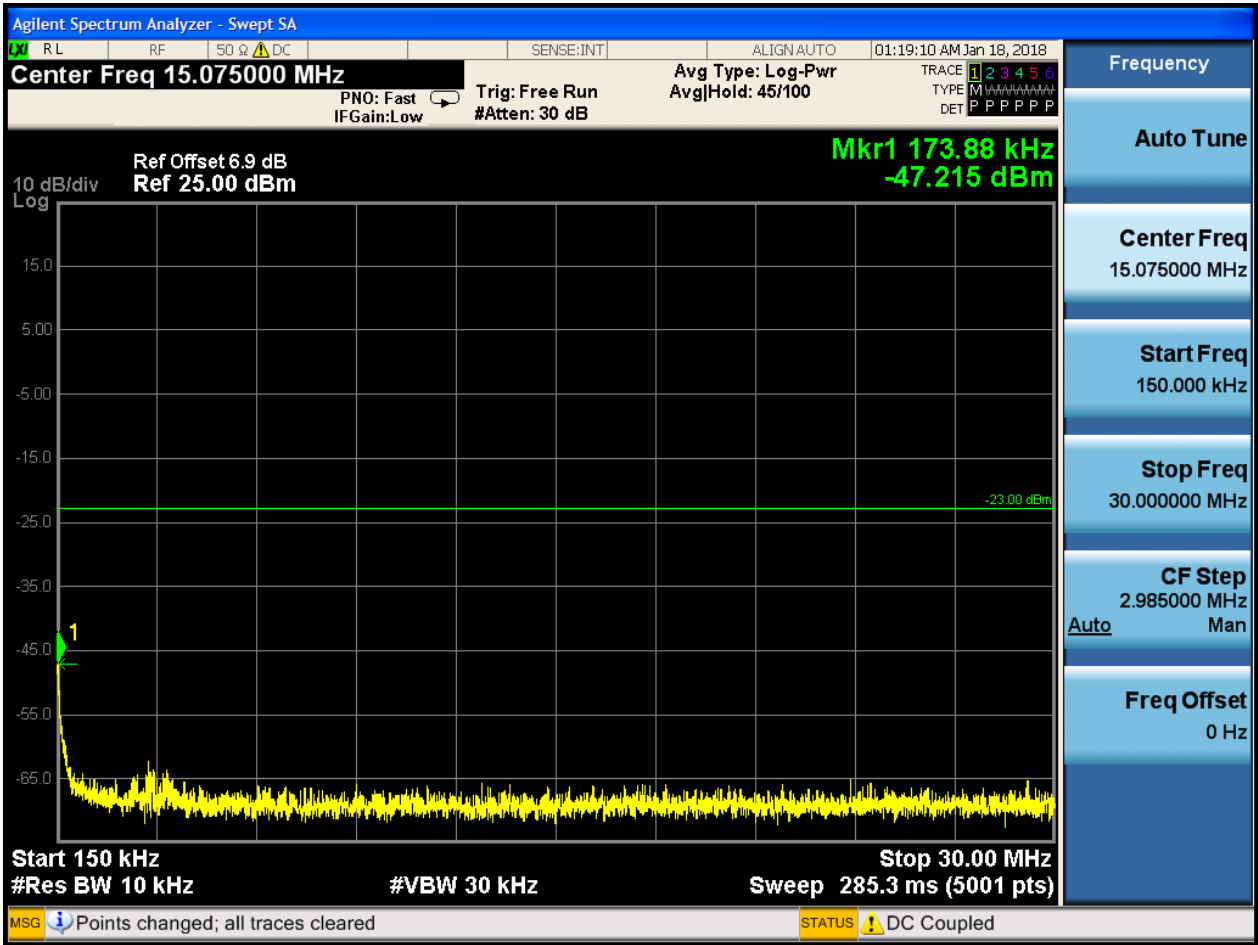


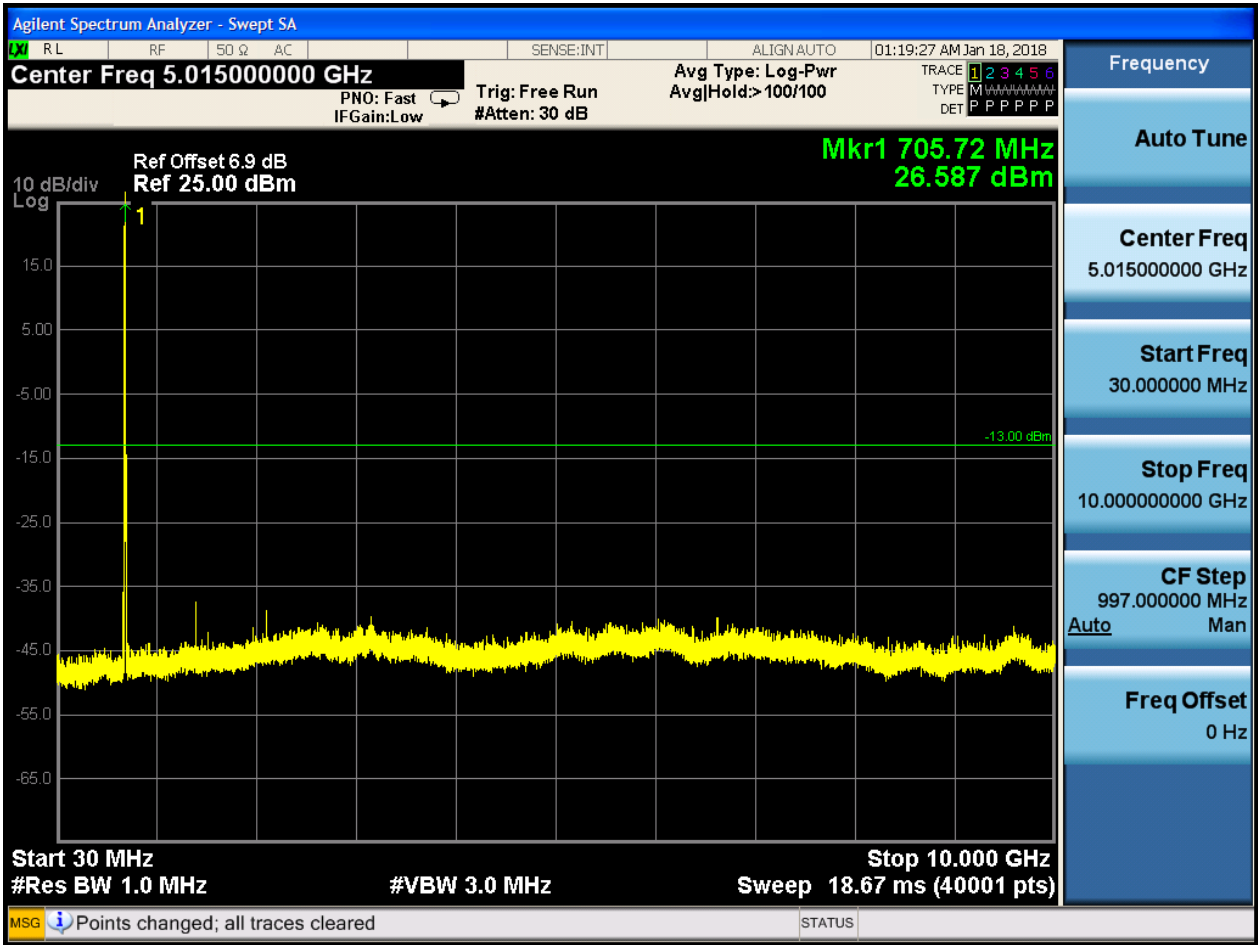


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



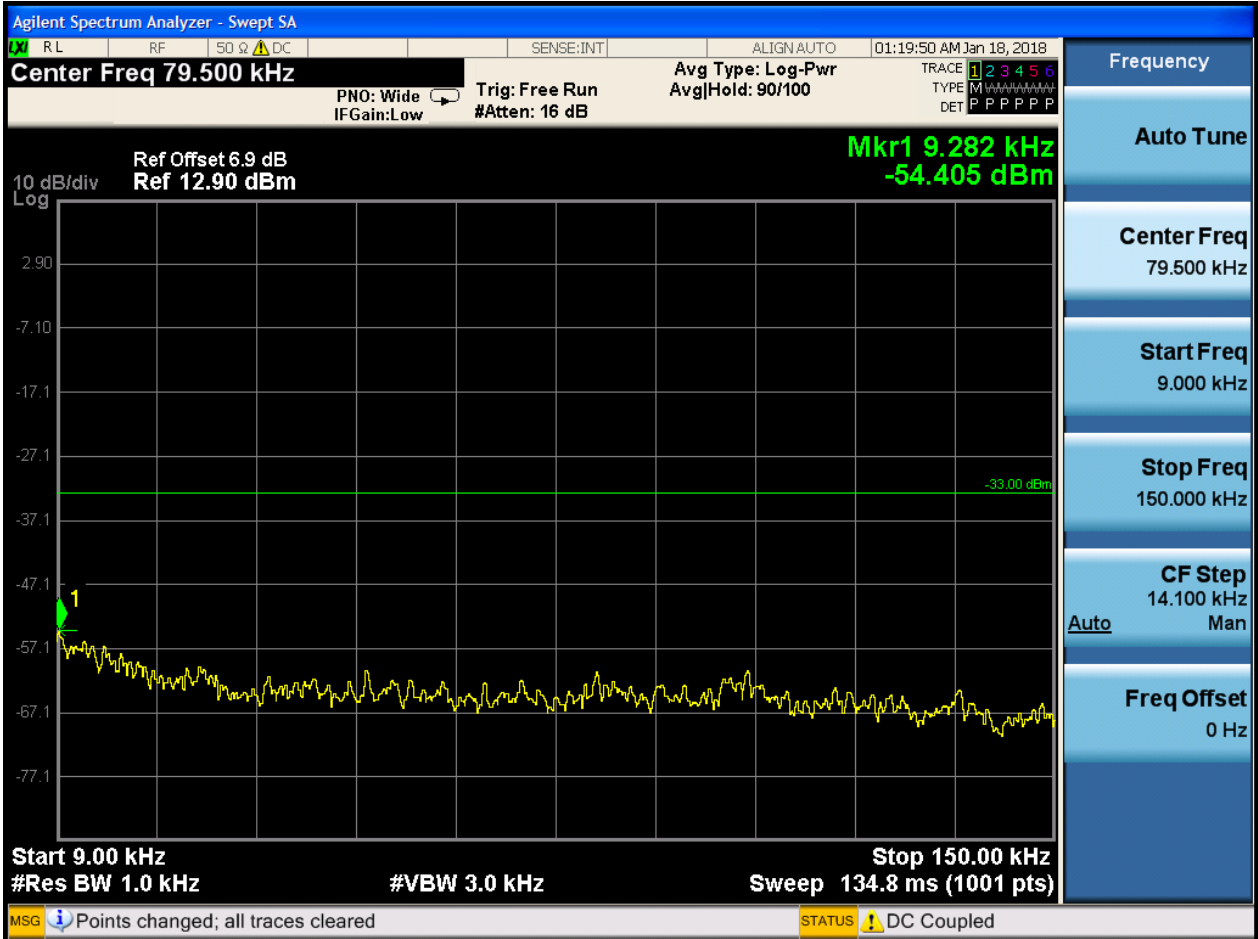


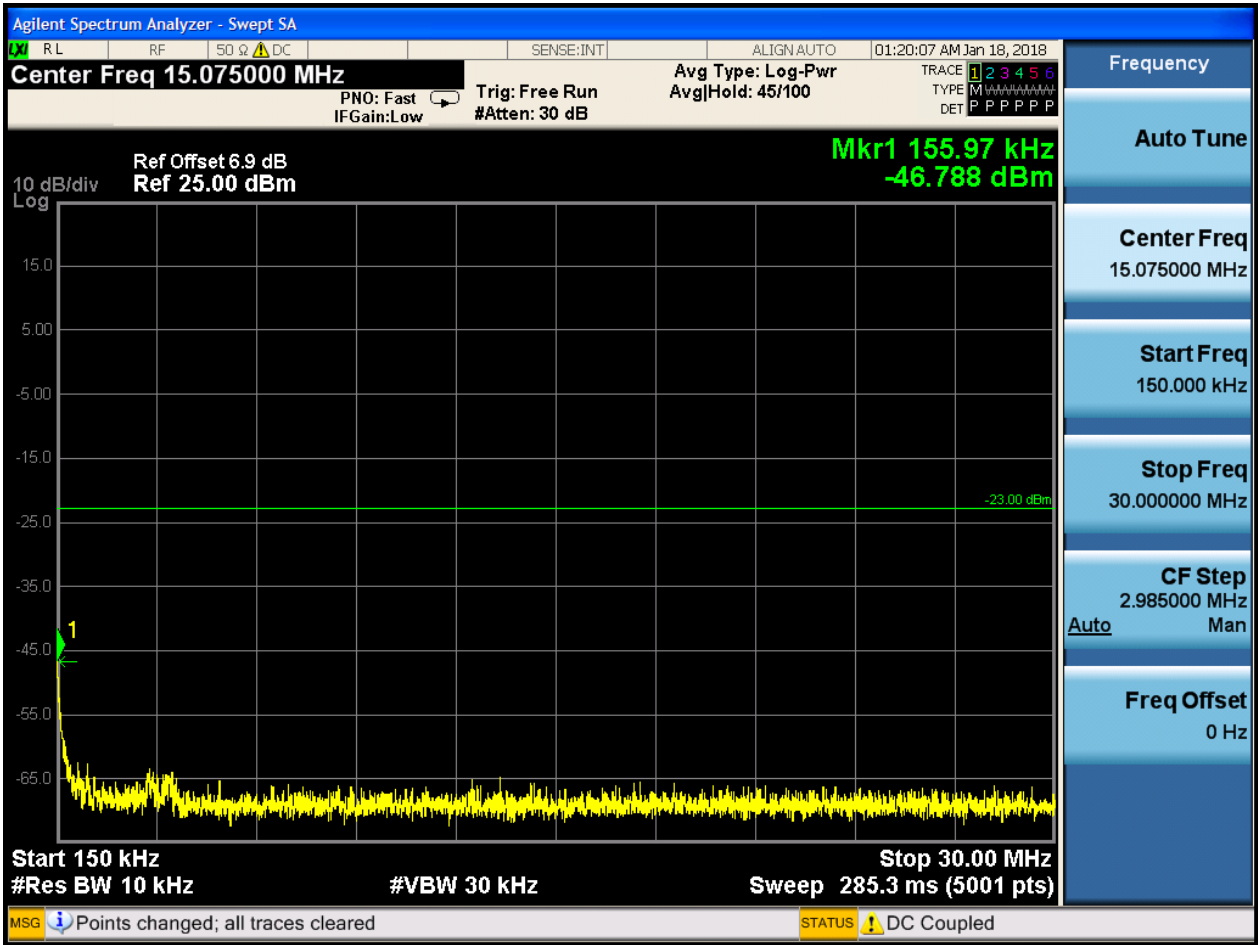


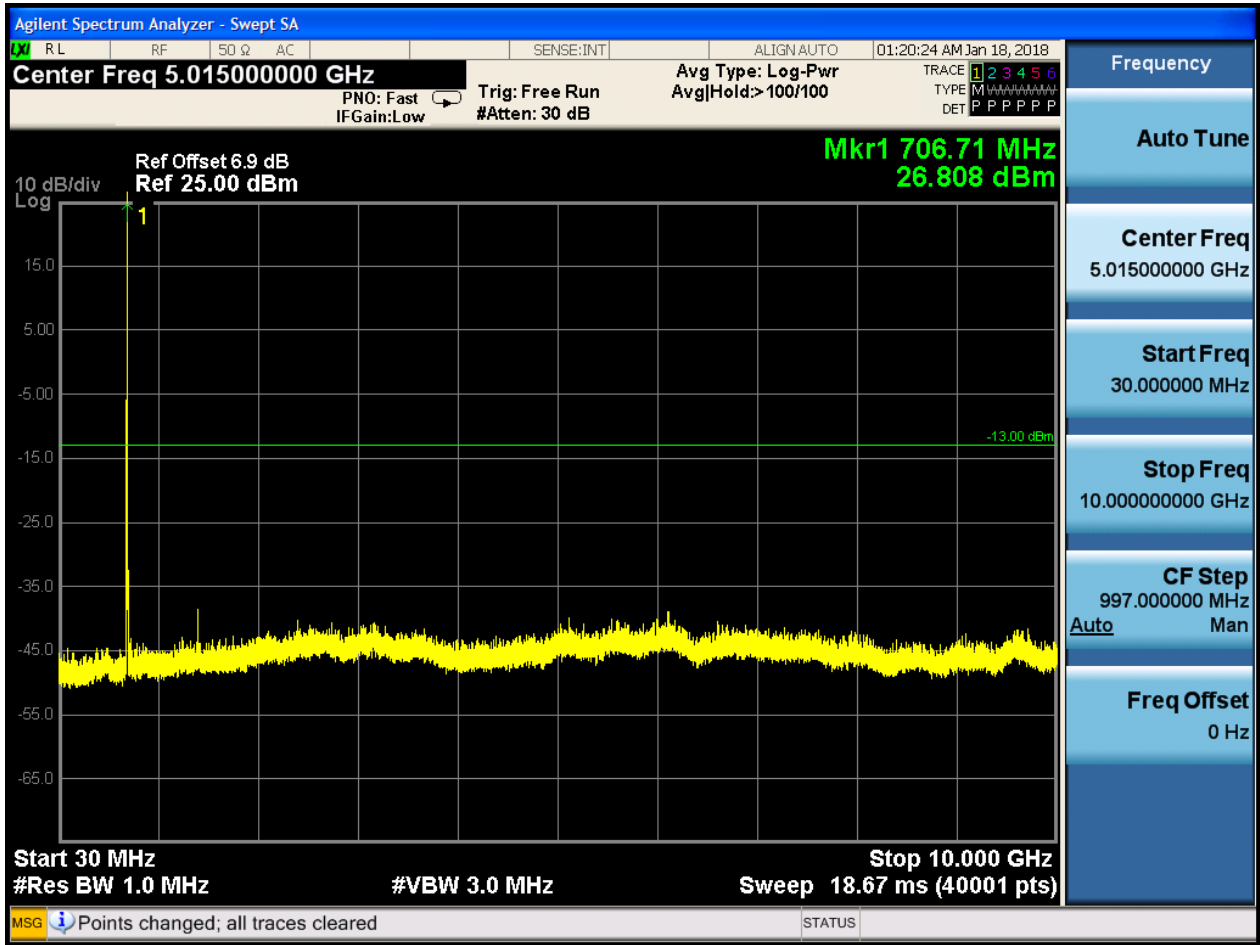


6.1.1.2.2.3 Test Channel = HCH

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

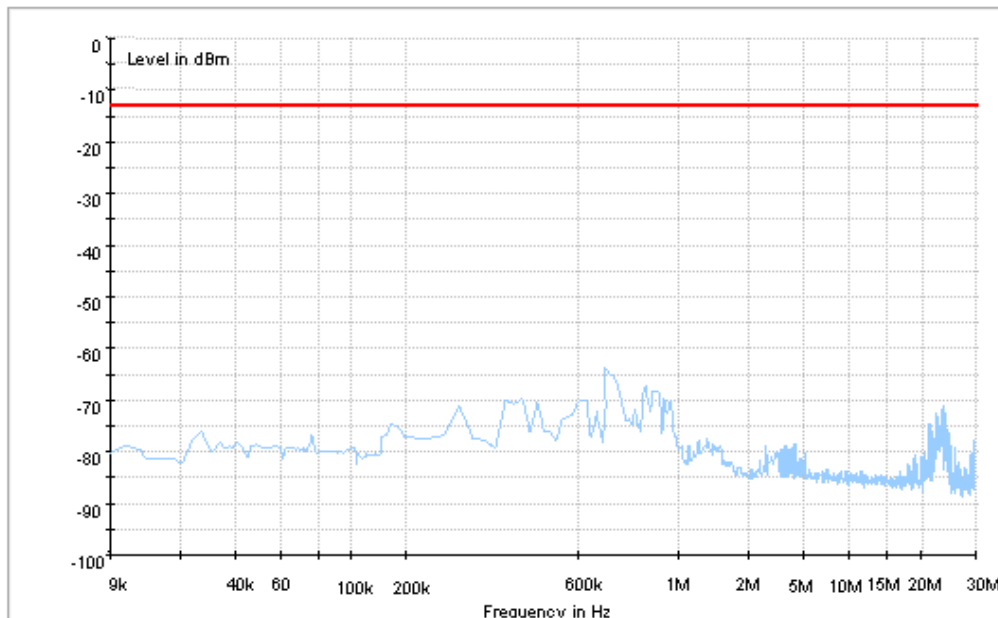
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

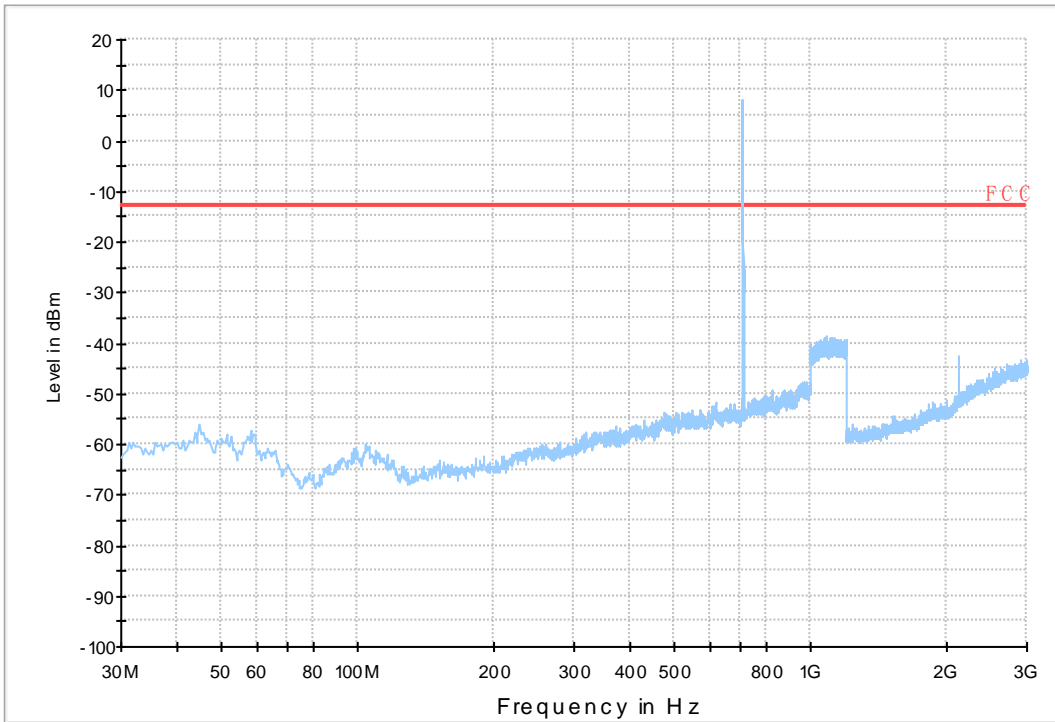
7.1 For LTE

7.1.1 Test Band = BAND17_ANT1

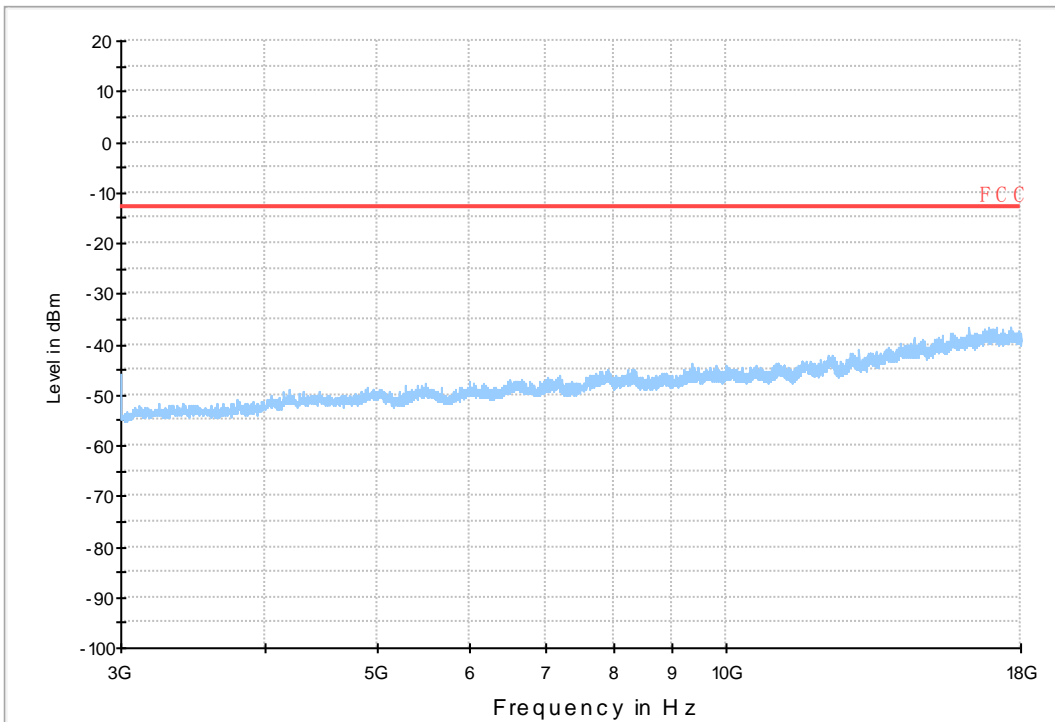
7.1.1.1 Test Bandwidth = 5



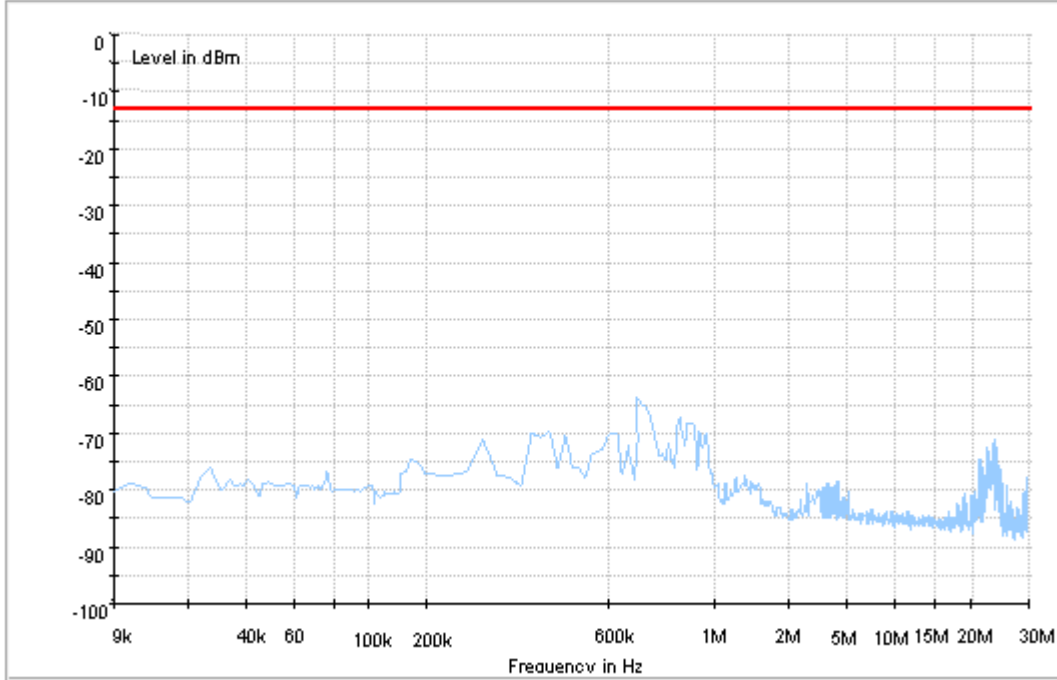
Copy of RSE-TX-DIRECTOR BELOW 1G_L



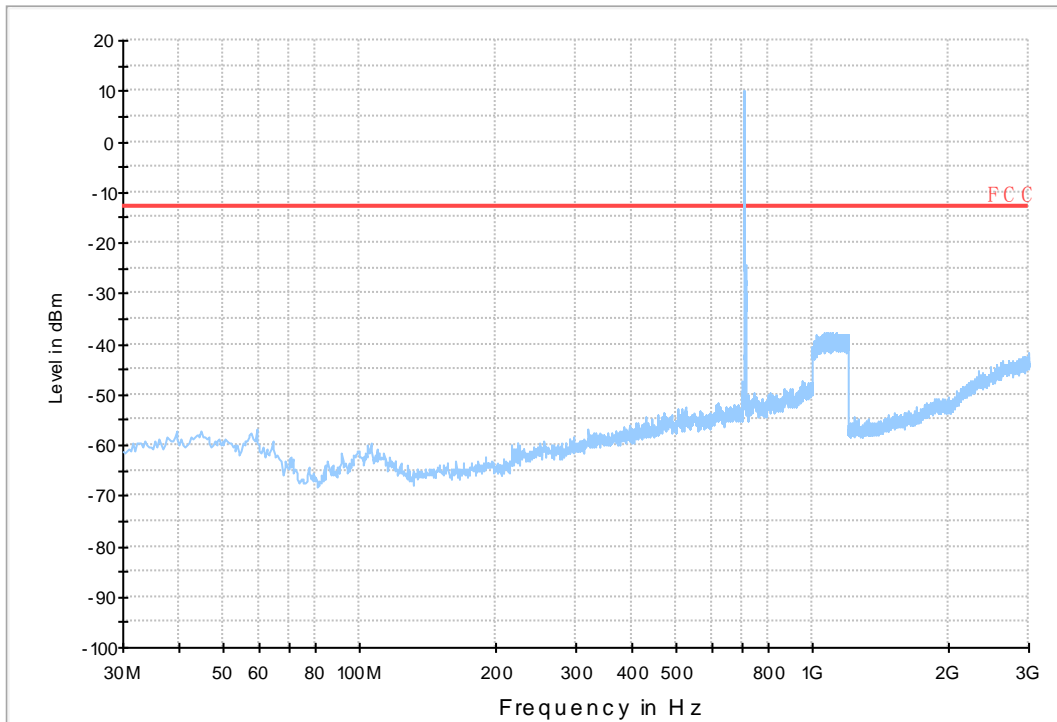
Copy of RSE-TX-DIRECTOR BELOW 1G_H



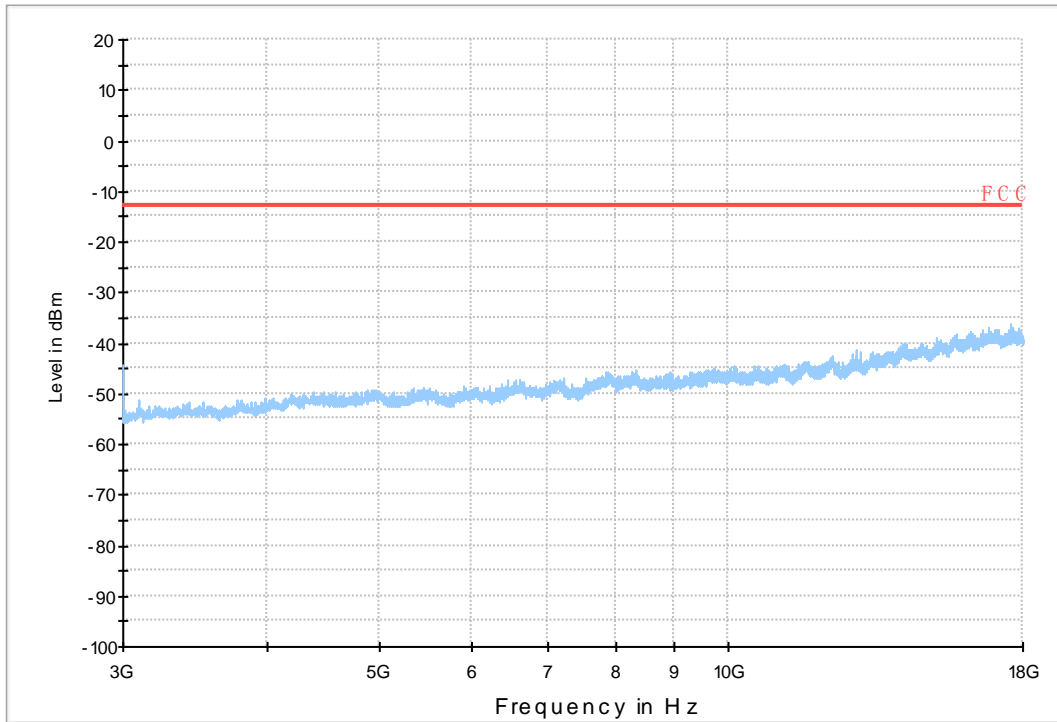
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

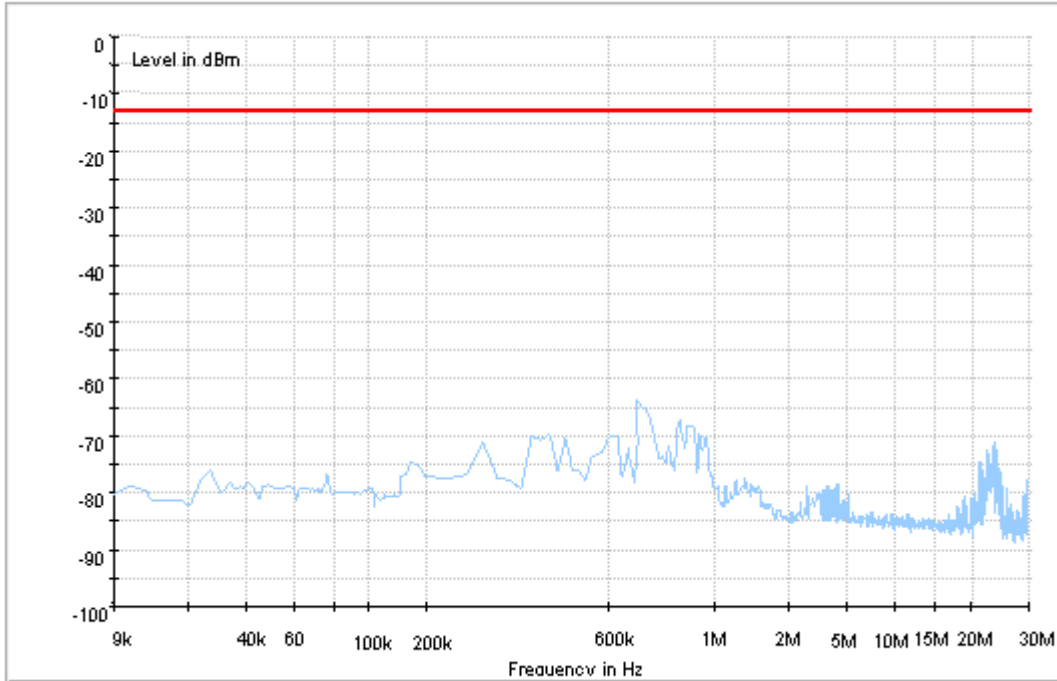


Copy of RSE-TX-DIRECTOR BELOW 1G_H

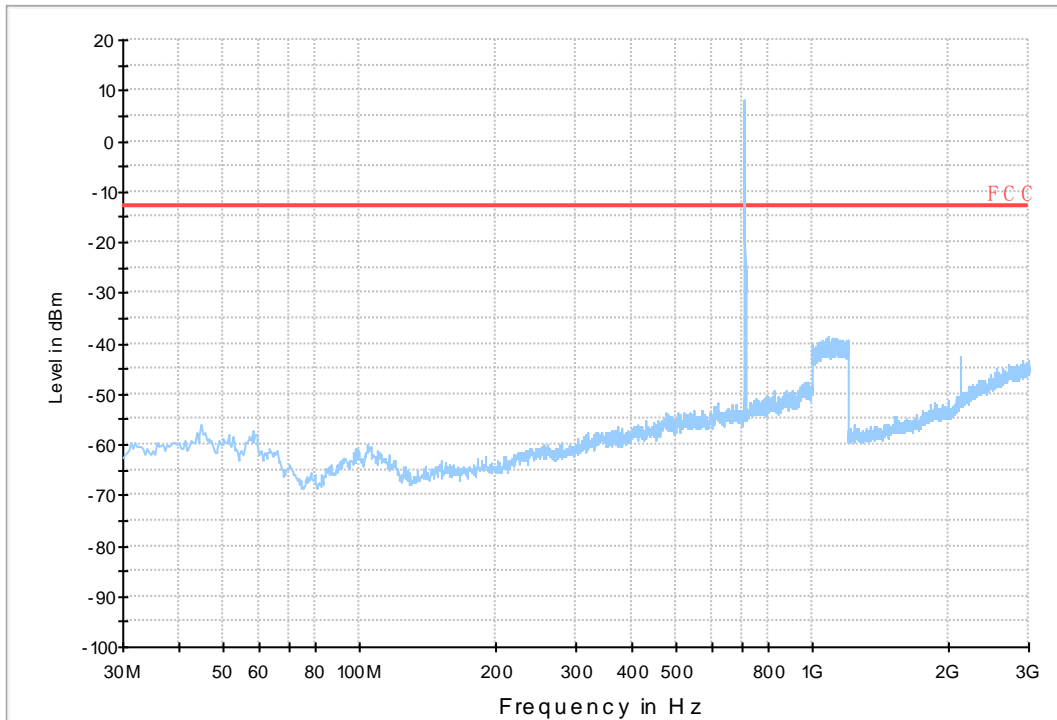


7.1.1 Test Band = BAND17_ANT2

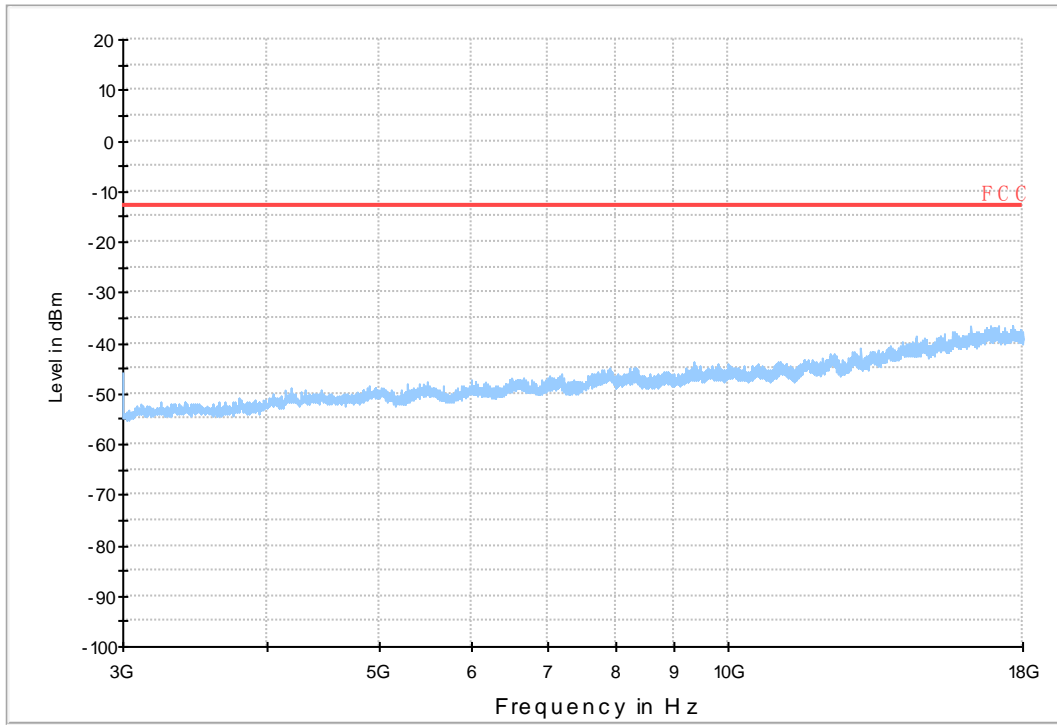
7.1.1.1 Test Bandwidth = 5



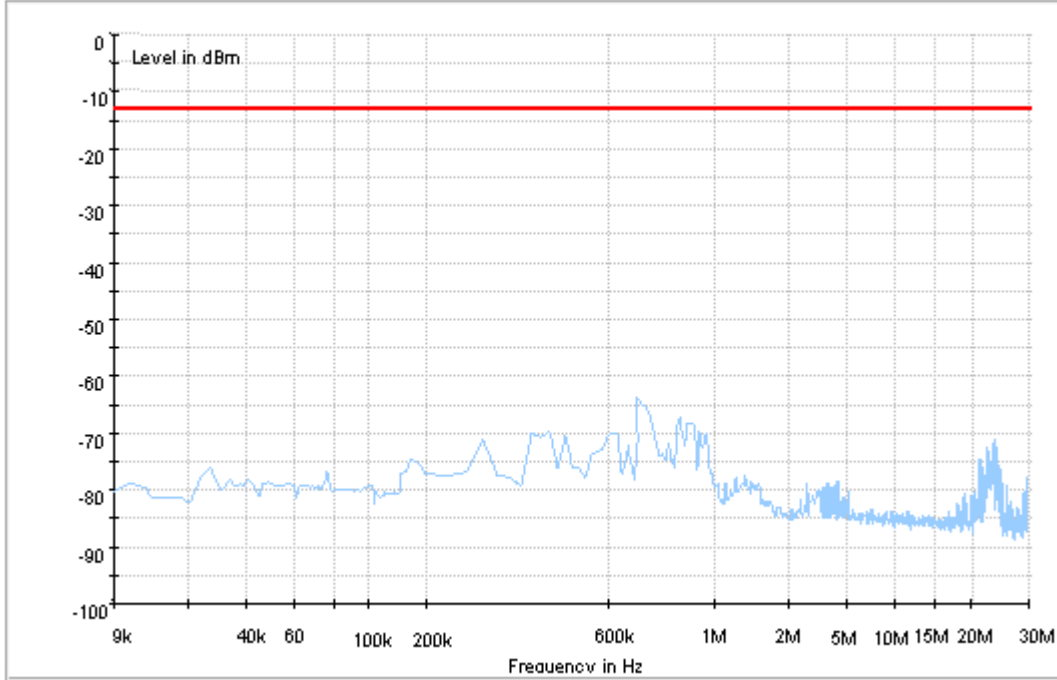
Copy of RSE-TX-DIRECTOR BELOW 1G_L



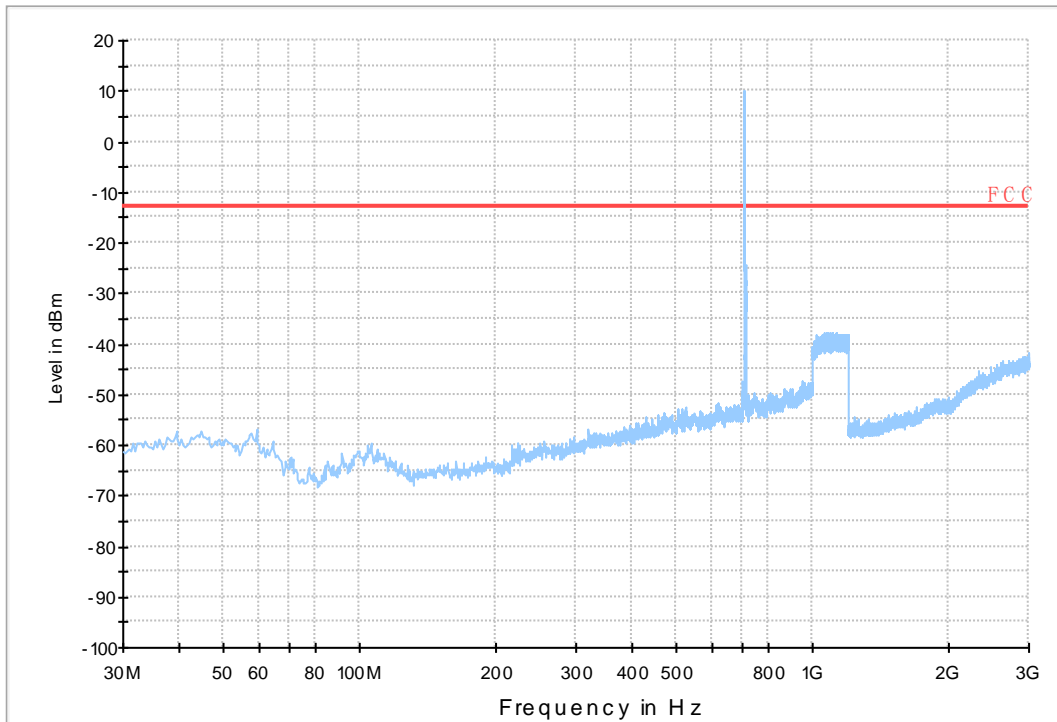
Copy of RSE-TX-DIRECTOR BELOW 1G_H



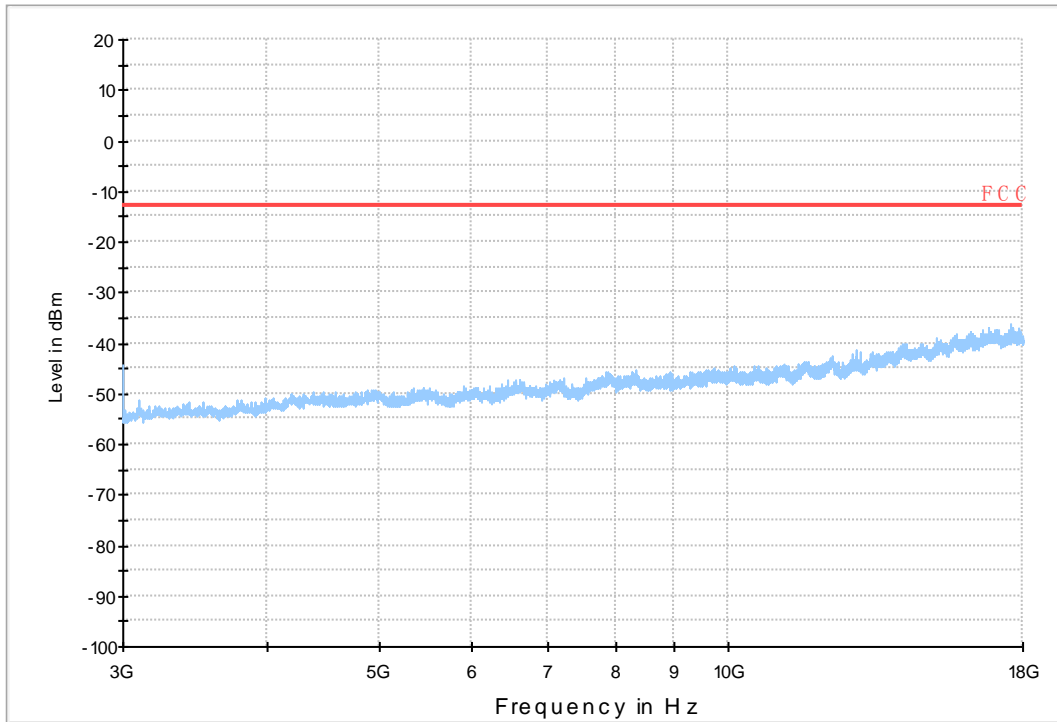
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



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	-4.82	-0.00682	PASS
					VN	-0.39	-0.00055	PASS
					VH	-3.53	-0.005	PASS
			MCH	TN	VL	-4.25	-0.00599	PASS
					VN	-3.20	-0.00451	PASS
					VH	-5.21	-0.00734	PASS
			HCH	TN	VL	-0.29	-0.00041	PASS
					VN	0.14	0.0002	PASS
					VH	3.66	0.00513	PASS
		10	LCH	TN	VL	-2.12	-0.00299	PASS
					VN	-0.17	-0.00024	PASS
					VH	-3.85	-0.00543	PASS
			MCH	TN	VL	-0.76	-0.00107	PASS
					VN	0.40	0.00056	PASS
					VH	0.30	0.00042	PASS
	HCH	TN	VL	-1.42	-0.002	PASS		
			VN	-2.05	-0.00288	PASS		
			VH	-3.09	-0.00435	PASS		
	LTE/TM2	5	LCH	TN	VL	0.96	0.00136	PASS
					VN	0.86	0.00122	PASS
					VH	-0.47	-0.00067	PASS
			MCH	TN	VL	-1.10	-0.00155	PASS
					VN	0.89	0.00125	PASS
					VH	-2.16	-0.00304	PASS
			HCH	TN	VL	-1.66	-0.00233	PASS
					VN	-1.42	-0.00199	PASS
					VH	0.19	0.00027	PASS
10		LCH	TN	VL	-0.77	-0.00109	PASS	
				VN	1.87	0.00264	PASS	
				VH	-0.69	-0.00097	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	-0.19	-0.00027	PASS
					VN	-0.97	-0.00137	PASS
					VH	0.51	0.00072	PASS
			HCH	TN	VL	-0.07	-0.0001	PASS
					VN	1.07	0.0015	PASS
					VH	0.40	0.00056	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	-0.62	-0.00088	PASS
					-20	0.14	0.0002	PASS
					-10	-5.75	-0.00814	PASS
					0	-2.32	-0.00328	PASS
					10	0.77	0.00109	PASS
					20	1.85	0.00262	PASS
					30	-1.67	-0.00236	PASS
					40	-0.57	-0.00081	PASS
			MCH	VN	-30	-0.47	-0.00066	PASS
					-20	0.21	0.0003	PASS
					-10	2.45	0.00345	PASS
					0	-1.33	-0.00187	PASS
					10	0.13	0.00018	PASS
					20	3.28	0.00462	PASS
					30	-3.39	-0.00477	PASS
					40	-1.40	-0.00197	PASS
			HCH	VN	-30	1.14	0.0016	PASS
					-20	-1.39	-0.00195	PASS
					-10	2.06	0.00289	PASS
					0	-1.03	-0.00144	PASS
					10	0.64	0.0009	PASS
					20	-0.09	-0.00013	PASS
					30	1.22	0.00171	PASS
					40	-0.29	-0.00041	PASS
		50	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
		10	LCH	VN	-30	0.50	0.00071	PASS
					-20	-0.60	-0.00085	PASS
					-10	2.36	0.00333	PASS
					0	3.20	0.00451	PASS
					10	0.13	0.00018	PASS
					20	0.41	0.00058	PASS
					30	1.36	0.00192	PASS
					40	1.65	0.00233	PASS
					50	1.93	0.00272	PASS
			MCH	VN	-30	-0.87	-0.00123	PASS
					-20	1.70	0.00239	PASS
					-10	-2.46	-0.00346	PASS
					0	0.03	0.00004	PASS
					10	-1.54	-0.00217	PASS
					20	1.06	0.00149	PASS
					30	-0.17	-0.00024	PASS
					40	1.52	0.00214	PASS
					50	-0.20	-0.00028	PASS
			HCH	VN	-30	-0.60	-0.00084	PASS
					-20	-0.51	-0.00072	PASS
					-10	-1.73	-0.00243	PASS
					0	-1.63	-0.00229	PASS
					10	-2.53	-0.00356	PASS
					20	-2.40	-0.00338	PASS
	30	-2.39			-0.00336	PASS		
	40	-1.00			-0.00141	PASS		
	50	-1.07			-0.0015	PASS		
	LTE/TM2	5	LCH	VN	-30	0.09	0.00013	PASS
					-20	-1.96	-0.00277	PASS
					-10	-0.69	-0.00098	PASS
					0	-0.87	-0.00123	PASS
					10	0.89	0.00126	PASS
					20	-0.64	-0.00091	PASS
					30	0.40	0.00057	PASS
					40	-3.83	-0.00542	PASS
					50	0.60	0.00085	PASS
MCH			VN	-30	0.03	0.00004	PASS	
				-20	-1.30	-0.00183	PASS	
				-10	-1.00	-0.00141	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					0	0.16	0.00023	PASS					
					10	-1.70	-0.00239	PASS					
					20	0.99	0.00139	PASS					
					30	-0.67	-0.00094	PASS					
					40	1.80	0.00254	PASS					
					50	0.92	0.0013	PASS					
			HCH	VN				-30	0.44	0.00062	PASS		
								-20	-1.24	-0.00174	PASS		
								-10	-1.09	-0.00153	PASS		
								0	0.96	0.00135	PASS		
								10	0.01	0.00001	PASS		
								20	1.86	0.00261	PASS		
								30	-0.73	-0.00102	PASS		
								40	-1.86	-0.00261	PASS		
		10			LCH	VN	-30	0.77	0.00109	PASS			
							-20	0.89	0.00126	PASS			
							-10	1.09	0.00154	PASS			
							0	-1.67	-0.00236	PASS			
							10	0.83	0.00117	PASS			
							20	-0.93	-0.00131	PASS			
							30	-1.19	-0.00168	PASS			
					40	-0.10	-0.00014	PASS					
					50	-0.26	-0.00037	PASS					
					MCH	VN				-30	0.06	0.00008	PASS
										-20	-1.99	-0.0028	PASS
										-10	-1.10	-0.00155	PASS
										0	-0.47	-0.00066	PASS
										10	-1.07	-0.00151	PASS
		20	-0.30	-0.00042						PASS			
		30	-0.07	-0.0001						PASS			
		40	-1.32	-0.00186	PASS								
		50	0.04	0.00006	PASS								
		HCH	VN				-30	-1.85	-0.0026	PASS			
							-20	2.23	0.00314	PASS			
							-10	0.96	0.00135	PASS			
							0	-0.54	-0.00076	PASS			
							10	-0.43	-0.0006	PASS			
							20	0.57	0.0008	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-1.36	-0.00191	PASS
					40	-1.19	-0.00167	PASS
					50	-2.47	-0.00347	PASS

END