



Appendix for test report

1 Appendix_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	23.36	16.31	34.7	PASS
				RB1#13	23.33	16.28	34.7	PASS
				RB1#24	23.34	16.29	34.7	PASS
				RB12#0	22.32	15.27	34.7	PASS
				RB12#6	22.29	15.24	34.7	PASS
				RB12#13	22.36	15.31	34.7	PASS
				RB25#0	22.26	15.21	34.7	PASS
			MCH	RB1#0	23.3	16.25	34.7	PASS
				RB1#13	23.33	16.28	34.7	PASS
				RB1#24	23.25	16.2	34.7	PASS
				RB12#0	22.29	15.24	34.7	PASS
				RB12#6	22.23	15.18	34.7	PASS
				RB12#13	22.32	15.27	34.7	PASS
				RB25#0	22.34	15.29	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23	15.95	34.7	PASS
				RB1#13	22.95	15.9	34.7	PASS
				RB1#24	22.83	15.78	34.7	PASS
				RB12#0	21.91	14.86	34.7	PASS
				RB12#6	21.75	14.7	34.7	PASS
				RB12#13	21.81	14.76	34.7	PASS
				RB25#0	21.87	14.82	34.7	PASS
		10	LCH	RB1#0	22.81	15.76	34.7	PASS
				RB1#25	22.72	15.67	34.7	PASS
				RB1#49	22.77	15.72	34.7	PASS
				RB25#0	21.87	14.82	34.7	PASS
				RB25#13	21.92	14.87	34.7	PASS
				RB25#25	21.9	14.85	34.7	PASS
				RB50#0	21.86	14.81	34.7	PASS
			MCH	RB1#0	23.31	16.26	34.7	PASS
				RB1#25	23.42	16.37	34.7	PASS
				RB1#49	23.35	16.3	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.27	15.22	34.7	PASS
				RB25#13	22.33	15.28	34.7	PASS
				RB25#25	22.35	15.3	34.7	PASS
				RB50#0	22.29	15.24	34.7	PASS
			HCH	RB1#0	22.99	15.94	34.7	PASS
				RB1#25	22.53	15.48	34.7	PASS
				RB1#49	22.72	15.67	34.7	PASS
				RB25#0	21.91	14.86	34.7	PASS
				RB25#13	21.87	14.82	34.7	PASS
				RB25#25	21.89	14.84	34.7	PASS
				RB50#0	21.88	14.83	34.7	PASS
				LCH	RB1#0	22.44	15.39	34.7
			RB1#13		22.42	15.37	34.7	PASS
			RB1#24		22.43	15.38	34.7	PASS
	RB12#0	21.23	14.18		34.7	PASS		
	RB12#6	21.24	14.19		34.7	PASS		
	RB12#13	21.3	14.25		34.7	PASS		
	LTE/TM2	5						

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.23	14.18	34.7	PASS
			MCH	RB1#0	22.64	15.59	34.7	PASS
				RB1#13	22.62	15.57	34.7	PASS
				RB1#24	22.62	15.57	34.7	PASS
				RB12#0	21.38	14.33	34.7	PASS
				RB12#6	21.25	14.2	34.7	PASS
				RB12#13	21.4	14.35	34.7	PASS
				RB25#0	21.3	14.25	34.7	PASS
				HCH	RB1#0	22.2	15.15	34.7
			RB1#13		22.13	15.08	34.7	PASS
			RB1#24		22.04	14.99	34.7	PASS
			RB12#0		20.85	13.8	34.7	PASS
			RB12#6		20.78	13.73	34.7	PASS
			RB12#13		20.89	13.84	34.7	PASS
			RB25#0		20.8	13.75	34.7	PASS
		10	LCH	RB1#0	22.18	15.13	34.7	PASS
				RB1#25	21.95	14.9	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.06	15.01	34.7	PASS
				RB25#0	20.78	13.73	34.7	PASS
				RB25#13	20.79	13.74	34.7	PASS
				RB25#25	20.79	13.74	34.7	PASS
				RB50#0	20.8	13.75	34.7	PASS
			MCH	RB1#0	22.1	15.05	34.7	PASS
			MCH	RB1#25	22.15	15.1	34.7	PASS
			MCH	RB1#49	22.09	15.04	34.7	PASS
			MCH	RB25#0	21.28	14.23	34.7	PASS
			MCH	RB25#13	21.25	14.2	34.7	PASS
			MCH	RB25#25	21.23	14.18	34.7	PASS
			MCH	RB50#0	21.18	14.13	34.7	PASS
			HCH	RB1#0	22.15	15.1	34.7	PASS
			HCH	RB1#25	22.01	14.96	34.7	PASS
			HCH	RB1#49	22.1	15.05	34.7	PASS
			HCH	RB25#0	20.81	13.76	34.7	PASS
			HCH	RB25#13	20.76	13.71	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.8	13.75	34.7	PASS
				RB50#0	20.89	13.84	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	3.88	13	PASS
				RB1#13	3.6	13	PASS
				RB1#24	3.53	13	PASS
				RB12#0	4.91	13	PASS
				RB12#6	4.72	13	PASS
				RB12#13	4.78	13	PASS
				RB25#0	5.45	13	PASS
			MCH	RB1#0	3.65	13	PASS
				RB1#13	3.4	13	PASS
				RB1#24	3.59	13	PASS
				RB12#0	4.76	13	PASS
				RB12#6	4.63	13	PASS
				RB12#13	4.81	13	PASS
				RB25#0	5.33	13	PASS
		HCH	RB1#0	3.56	13	PASS	
			RB1#13	4.01	13	PASS	
			RB1#24	3.65	13	PASS	
			RB12#0	4.82	13	PASS	
			RB12#6	5.11	13	PASS	
			RB12#13	5.05	13	PASS	
			RB25#0	5.51	13	PASS	
		10	LCH	RB1#0	3.88	13	PASS
				RB1#25	3.57	13	PASS
				RB1#49	3.92	13	PASS
				RB25#0	4.97	13	PASS
				RB25#13	4.59	13	PASS
				RB25#25	5	13	PASS
				RB50#0	5.57	13	PASS
MCH	RB1#0		3.68	13	PASS		
	RB1#25		3.32	13	PASS		
	RB1#49		4.12	13	PASS		
	RB25#0		4.86	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB25#13	4.62	13	PASS	
				RB25#25	4.95	13	PASS	
				RB50#0	5.62	13	PASS	
			HCH	RB1#0	3.62	13	PASS	
				RB1#25	3.32	13	PASS	
				RB1#49	3.76	13	PASS	
				RB25#0	4.71	13	PASS	
				RB25#13	4.73	13	PASS	
				RB25#25	5.03	13	PASS	
				RB50#0	5.41	13	PASS	
				LCH	RB1#0	4.76	13	PASS
					RB1#13	4.54	13	PASS
			RB1#24		4.46	13	PASS	
			RB12#0		5.67	13	PASS	
			RB12#6		5.42	13	PASS	
			RB12#13		5.73	13	PASS	
			RB25#0		6.09	13	PASS	
			MCH	RB1#0	4.25	13	PASS	
	RB1#13	3.93		13	PASS			
	RB1#24	4.12		13	PASS			
	RB12#0	5.72		13	PASS			
	RB12#6	5.49		13	PASS			
	RB12#13	5.71		13	PASS			
	RB25#0	6.13		13	PASS			
	HCH	RB1#0	4.17	13	PASS			
		RB1#13	4.54	13	PASS			
		RB1#24	4.3	13	PASS			
		RB12#0	5.63	13	PASS			
		RB12#6	5.8	13	PASS			
		RB12#13	5.76	13	PASS			
		RB25#0	6.3	13	PASS			
	10	LCH	RB1#0	4.61	13	PASS		
			RB1#25	4.18	13	PASS		
RB1#49			4.58	13	PASS			
RB25#0			5.77	13	PASS			
RB25#13			5.61	13	PASS			
RB25#25			5.89	13	PASS			
RB50#0			6.42	13	PASS			
MCH		RB1#0	4.61	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.38	13	PASS
				RB1#49	5.06	13	PASS
				RB25#0	5.72	13	PASS
				RB25#13	5.62	13	PASS
				RB25#25	5.99	13	PASS
				RB50#0	6.43	13	PASS
			HCH	RB1#0	4.45	13	PASS
				RB1#25	4.08	13	PASS
				RB1#49	4.43	13	PASS
				RB25#0	5.77	13	PASS
				RB25#13	5.76	13	PASS
				RB25#25	6.07	13	PASS
				RB50#0	6.36	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

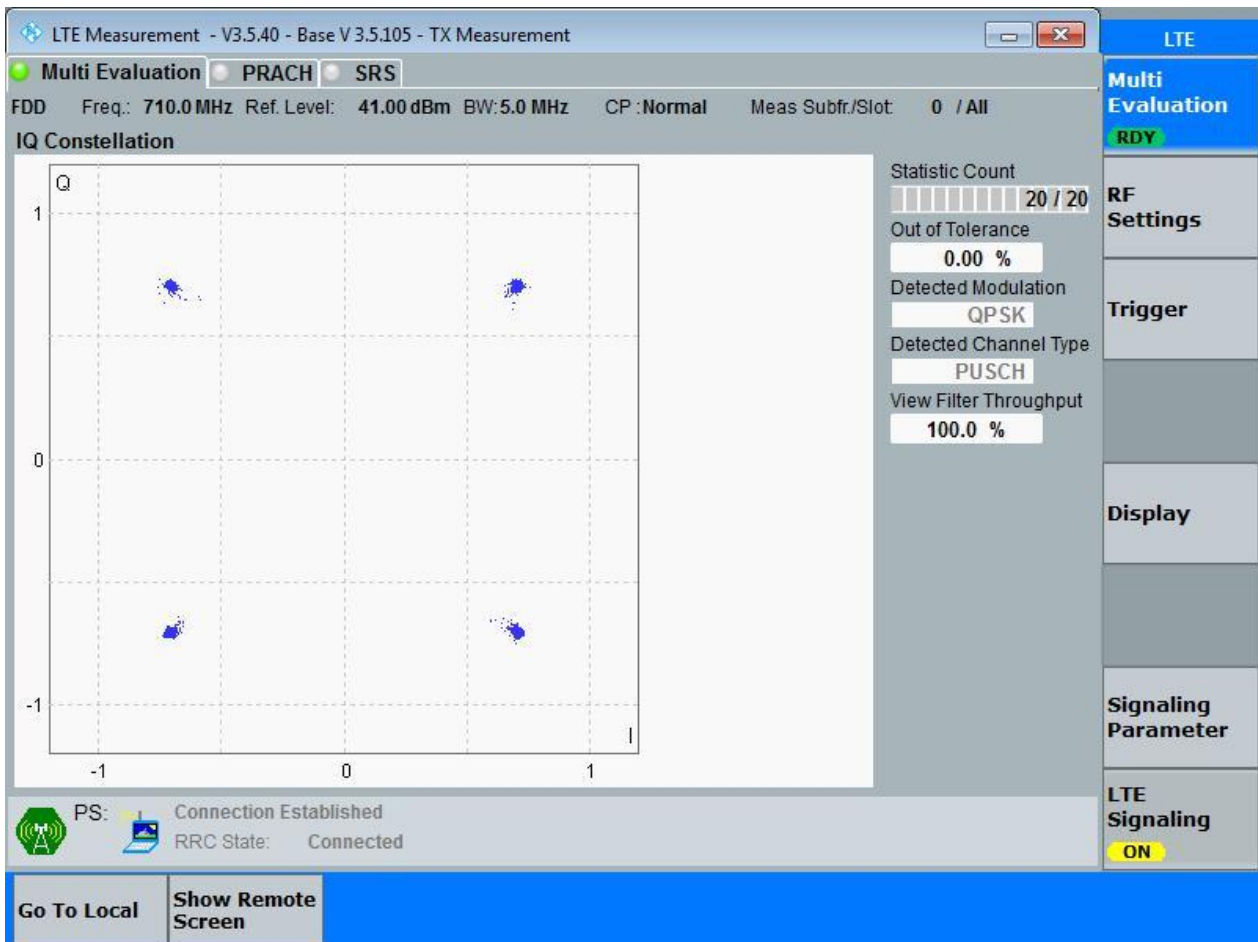
3.1.1 Test Band = BAND17

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

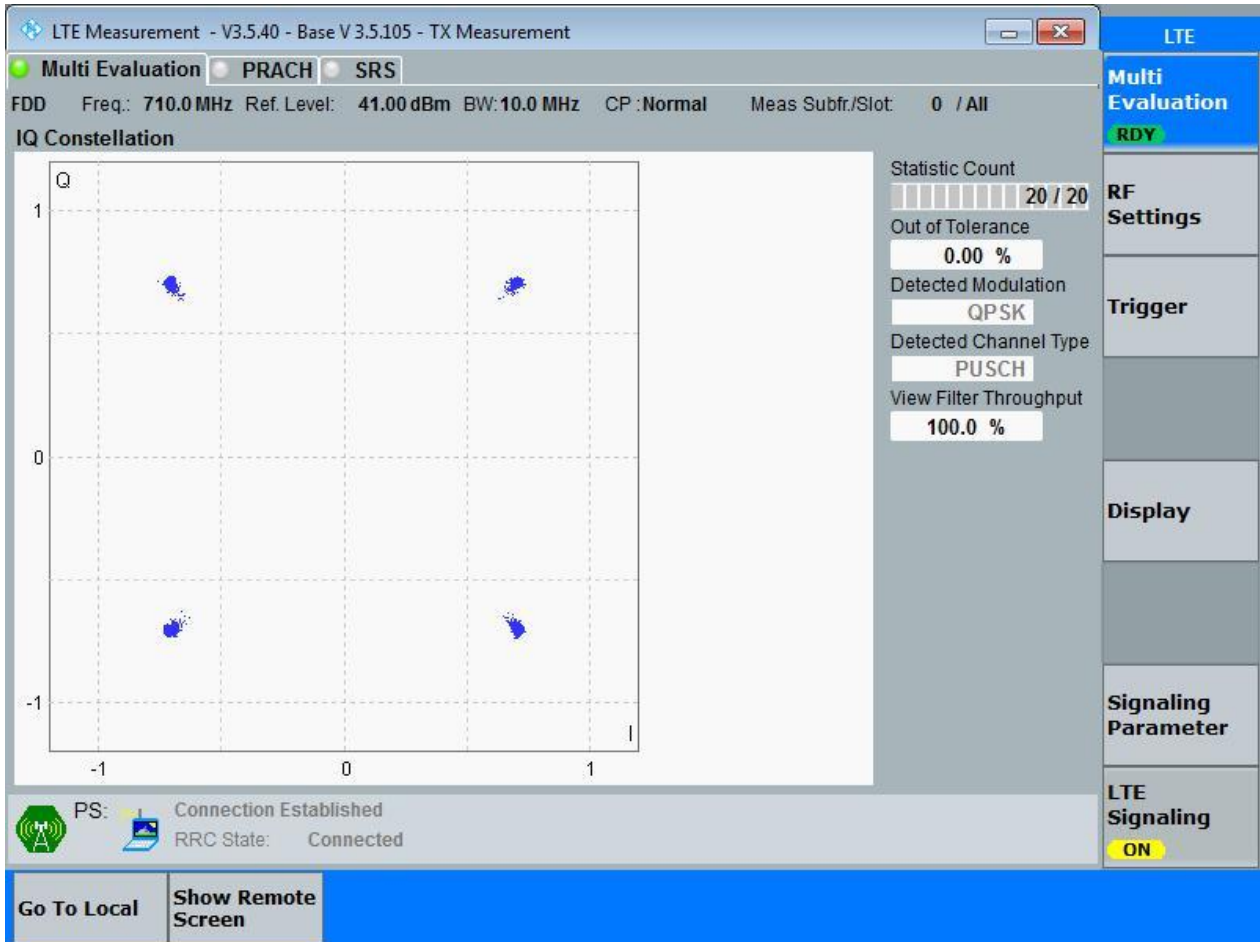
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB50#0

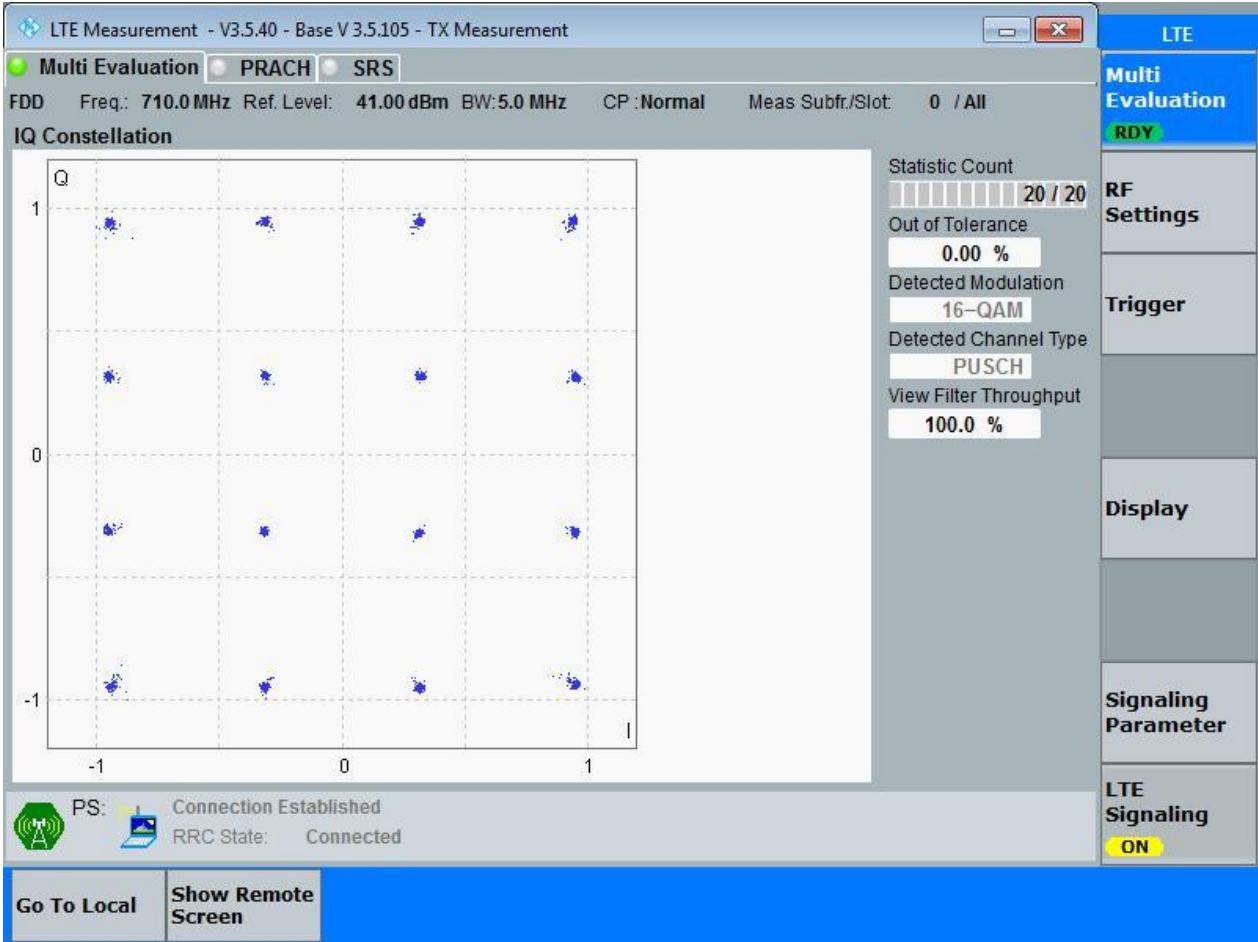


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

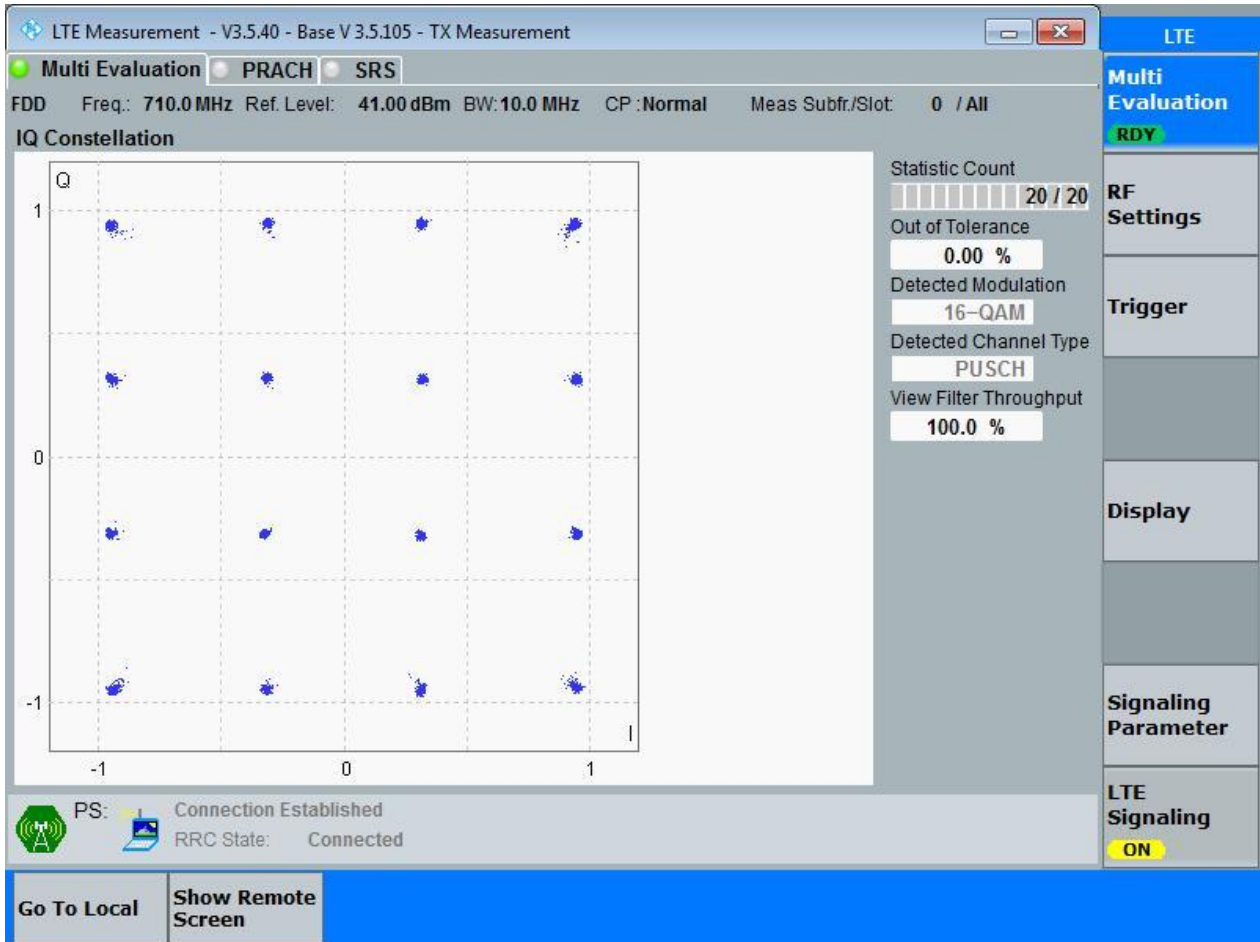
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB50#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND17	LTE/TM1	5	LCH	RB25#0	4.53	5.00	Pass
			MCH	RB25#0	4.51	4.97	Pass
			HCH	RB25#0	4.50	4.96	Pass
		10	LCH	RB50#0	8.99	9.94	Pass
			MCH	RB50#0	8.99	9.87	Pass
			HCH	RB50#0	8.98	9.86	Pass
	LTE/TM2	5	LCH	RB25#0	4.53	4.97	Pass
			MCH	RB25#0	4.52	4.97	Pass
			HCH	RB25#0	4.50	4.95	Pass
		10	LCH	RB50#0	8.99	9.91	Pass
			MCH	RB50#0	9.00	9.90	Pass
			HCH	RB50#0	8.96	9.89	Pass



Part II - Test Plots

4.1 For LTE

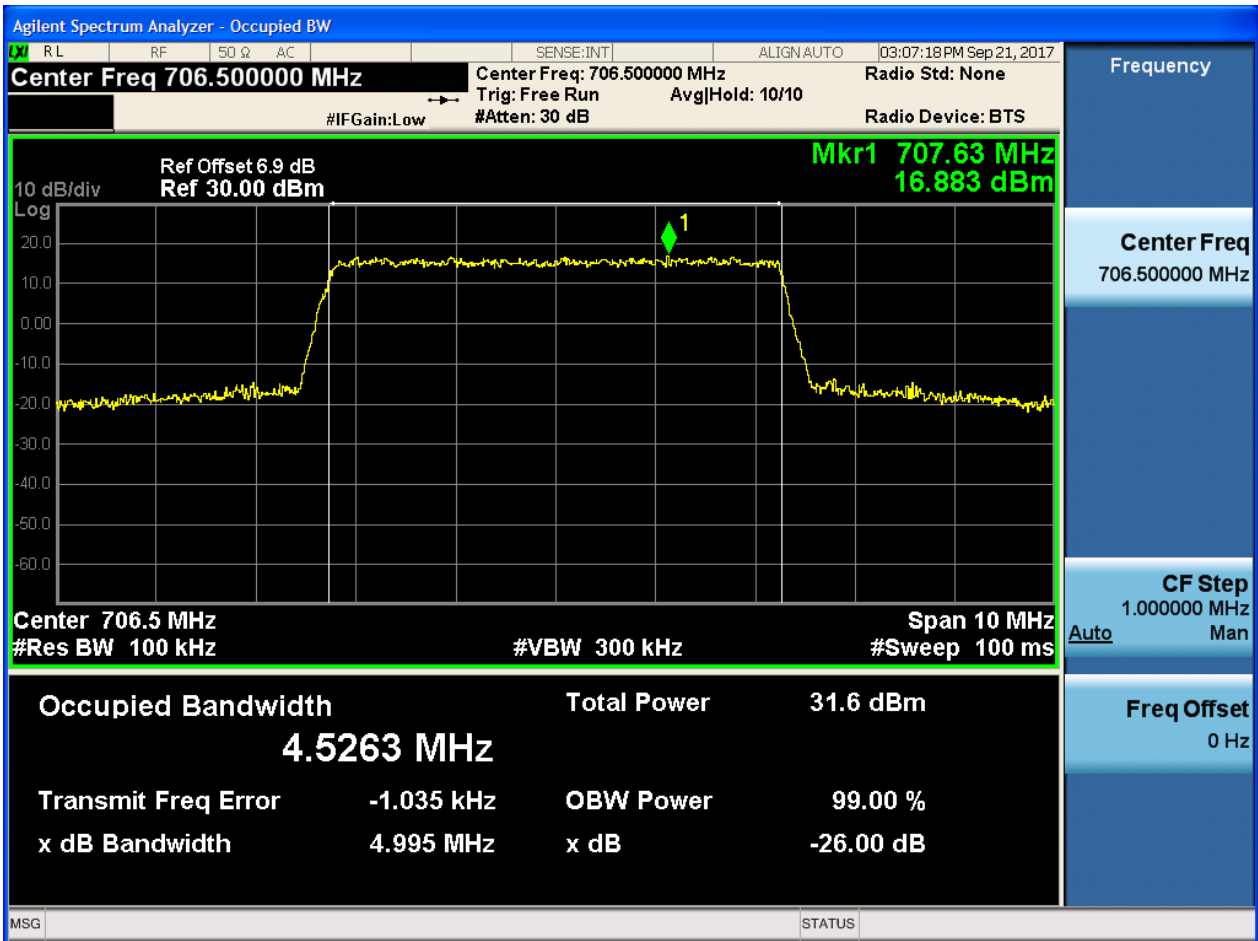
4.1.1 Test Band = BAND17

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

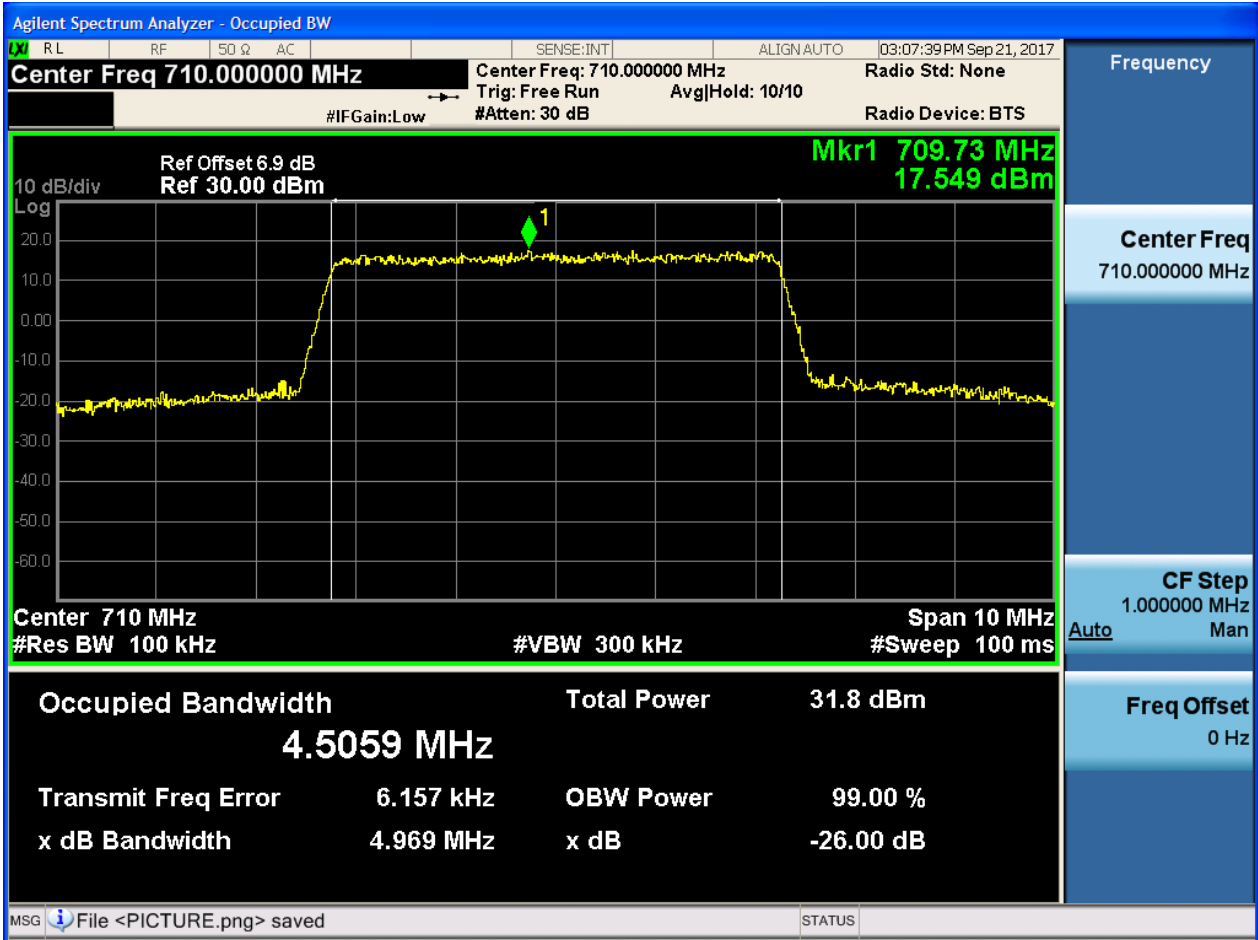
4.1.1.1.1.1.1 Test RB = RB25#0





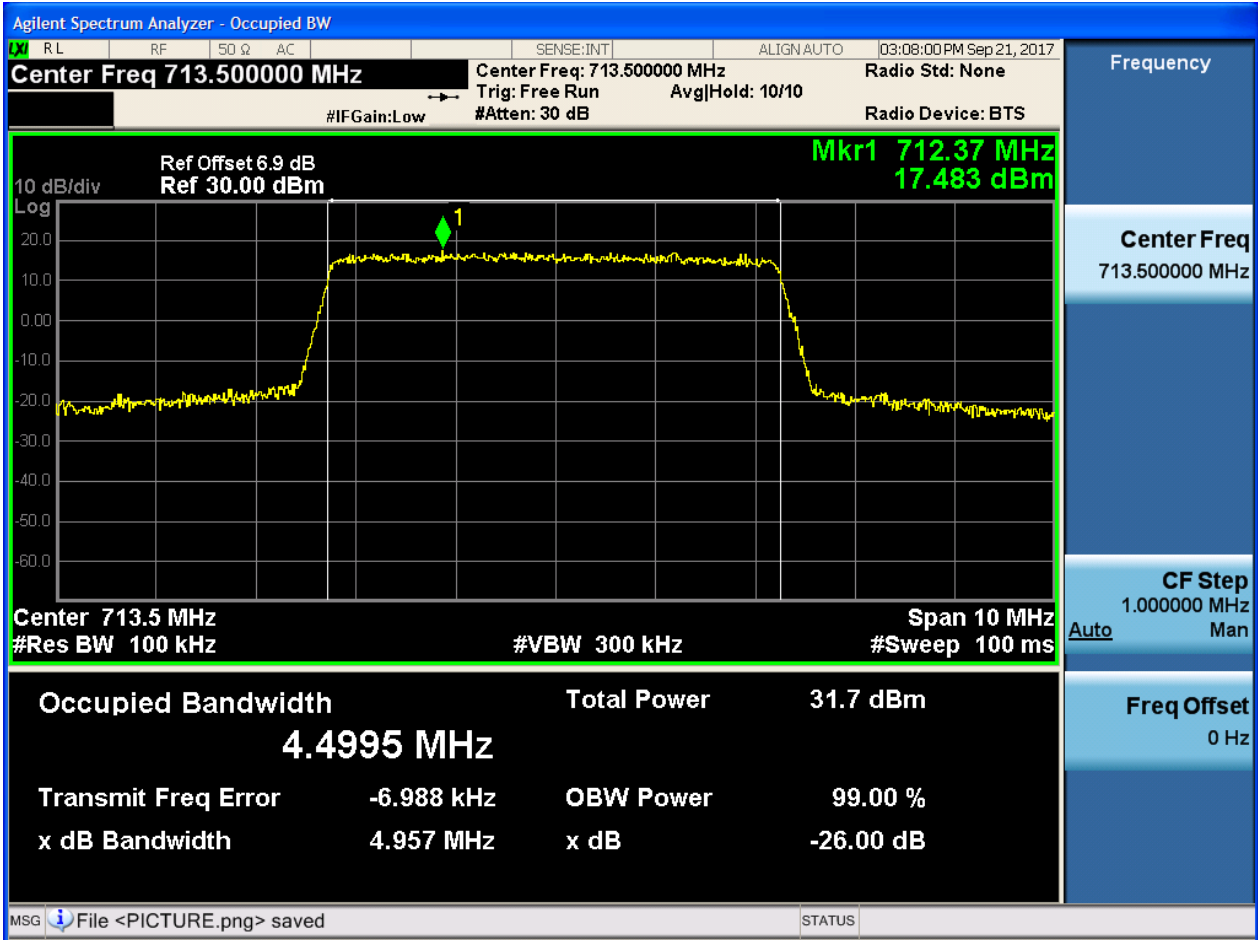
4.1.1.1.1.2 Test Channel = MCH

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

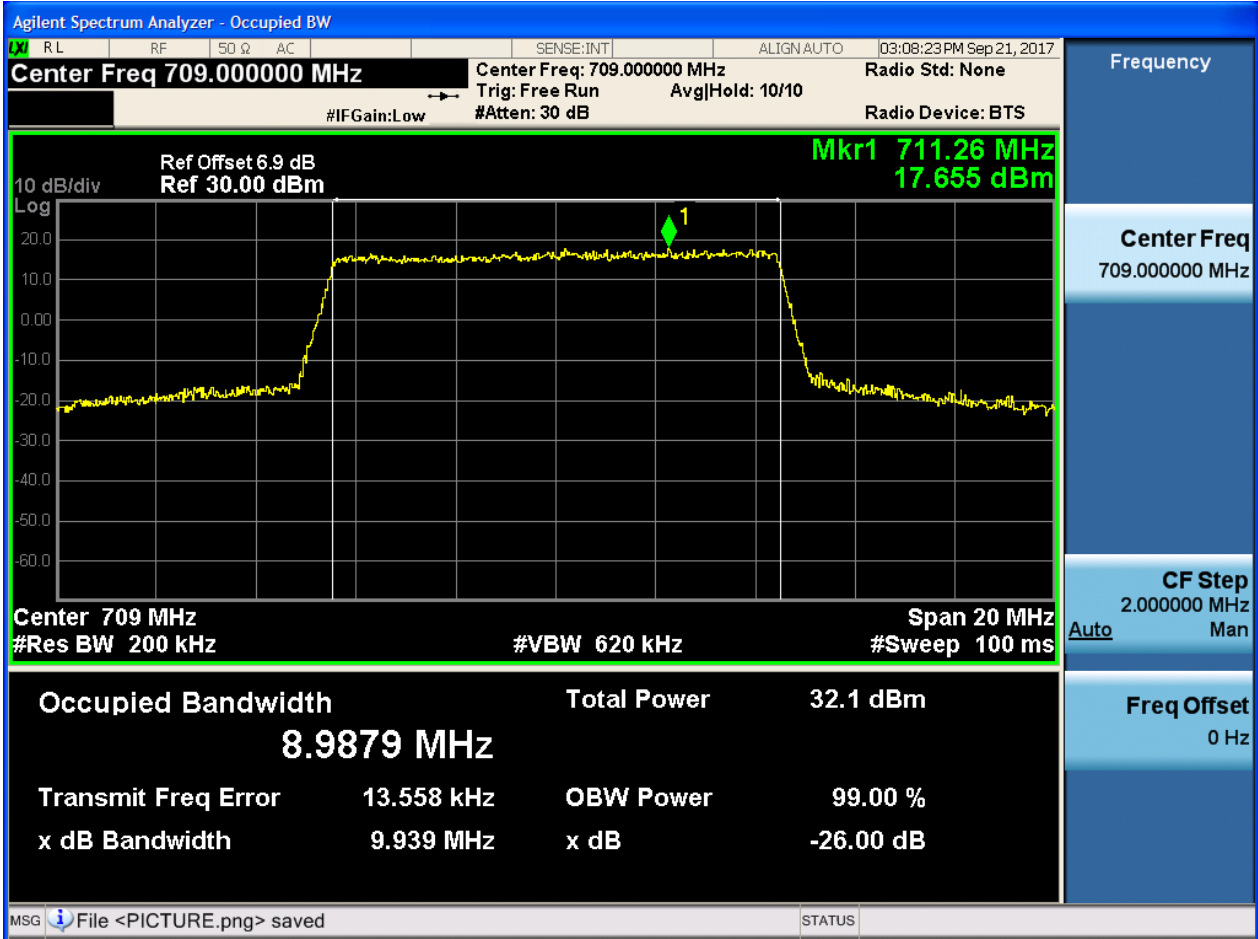




4.1.1.1.2 Test Bandwidth = 10

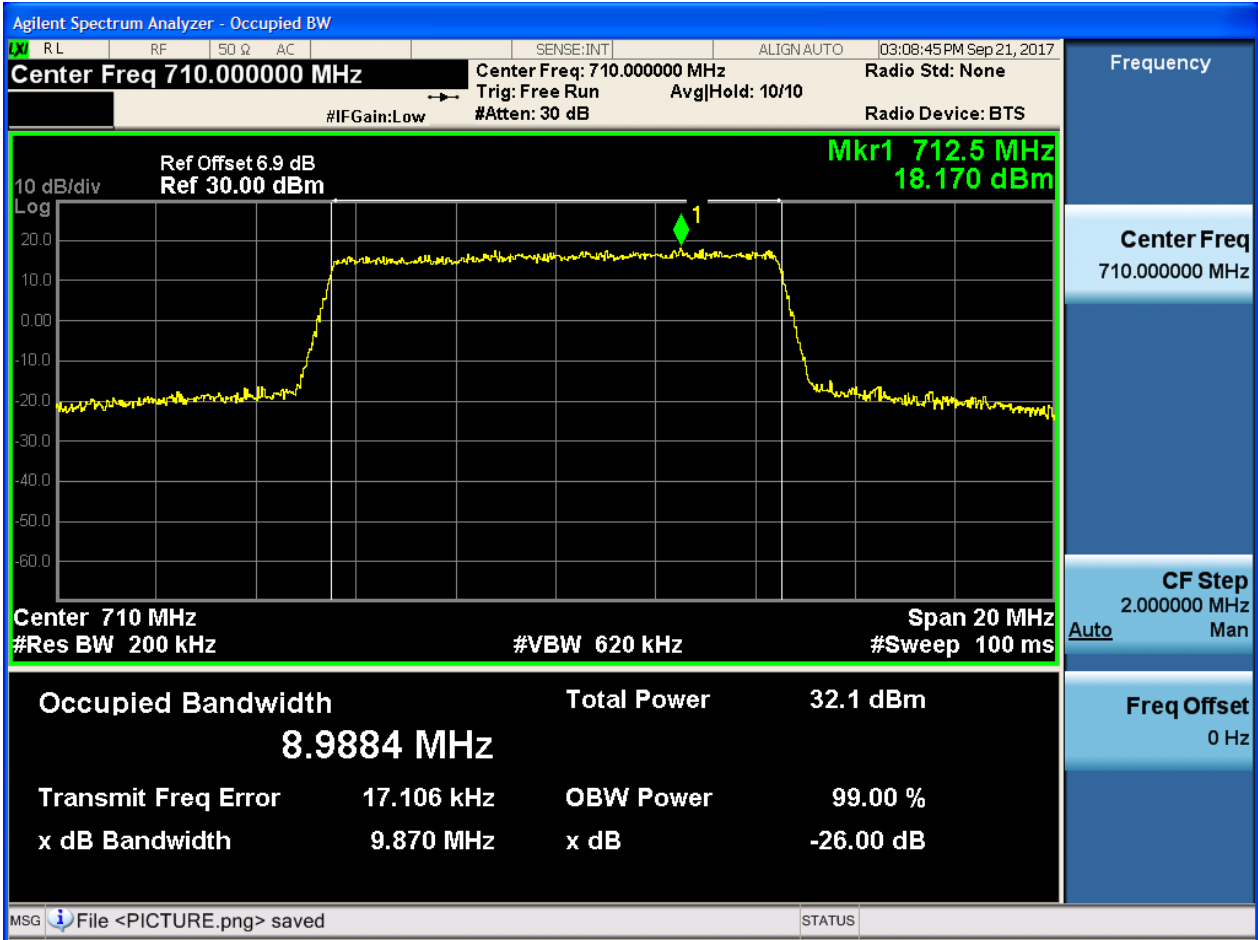
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0



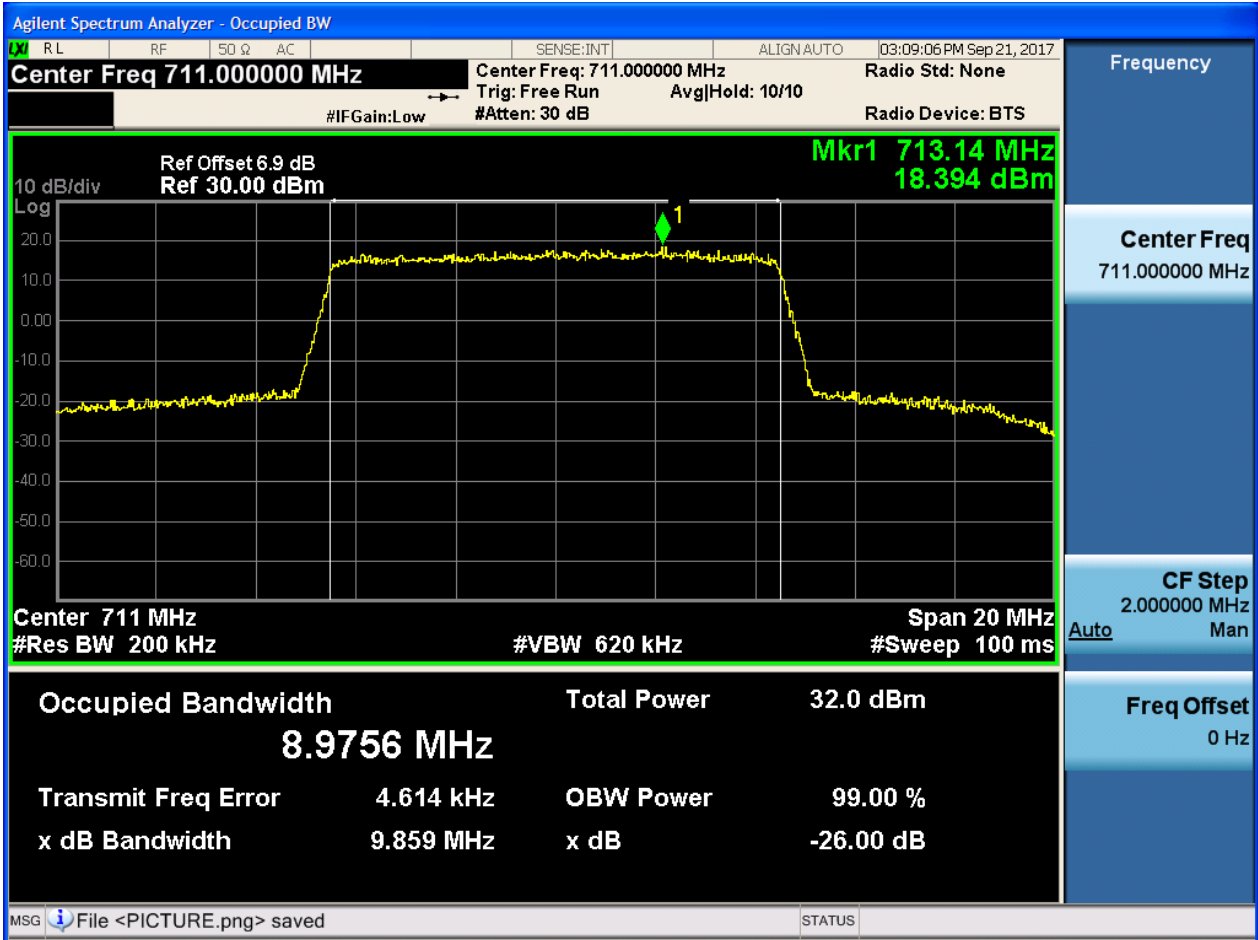
4.1.1.1.2.2 Test Channel = MCH

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



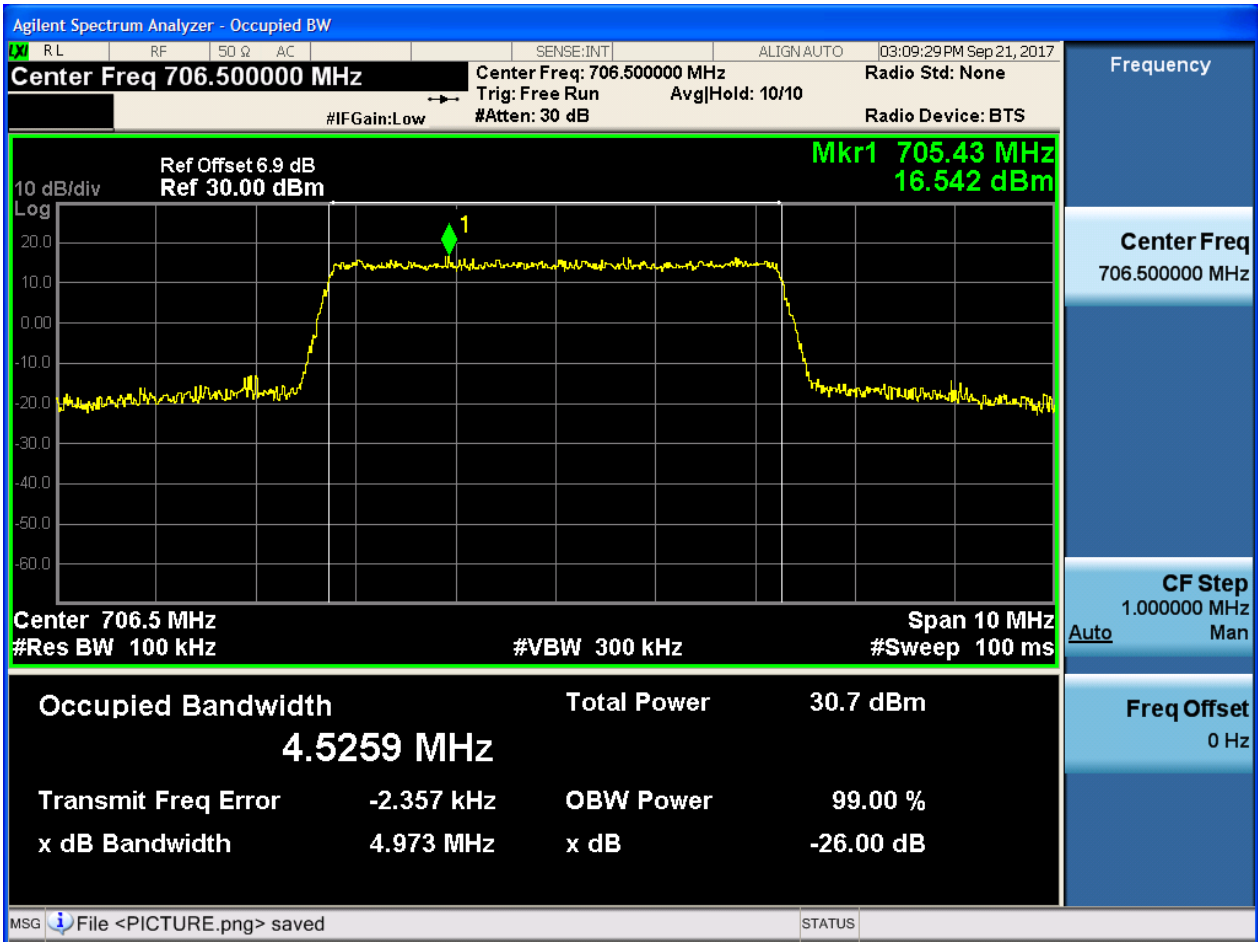


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

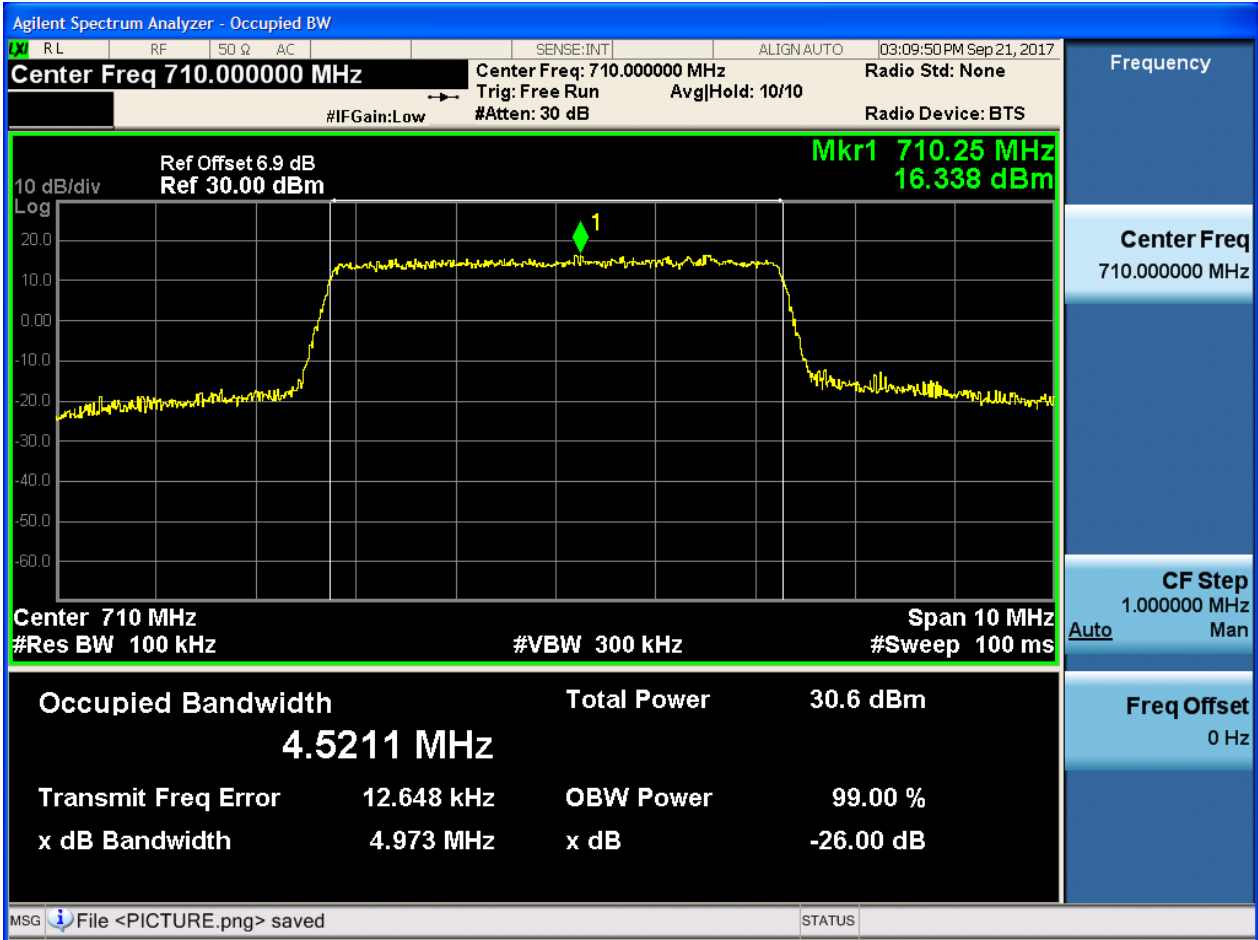
4.1.1.2.1.1.1 Test RB = RB25#0





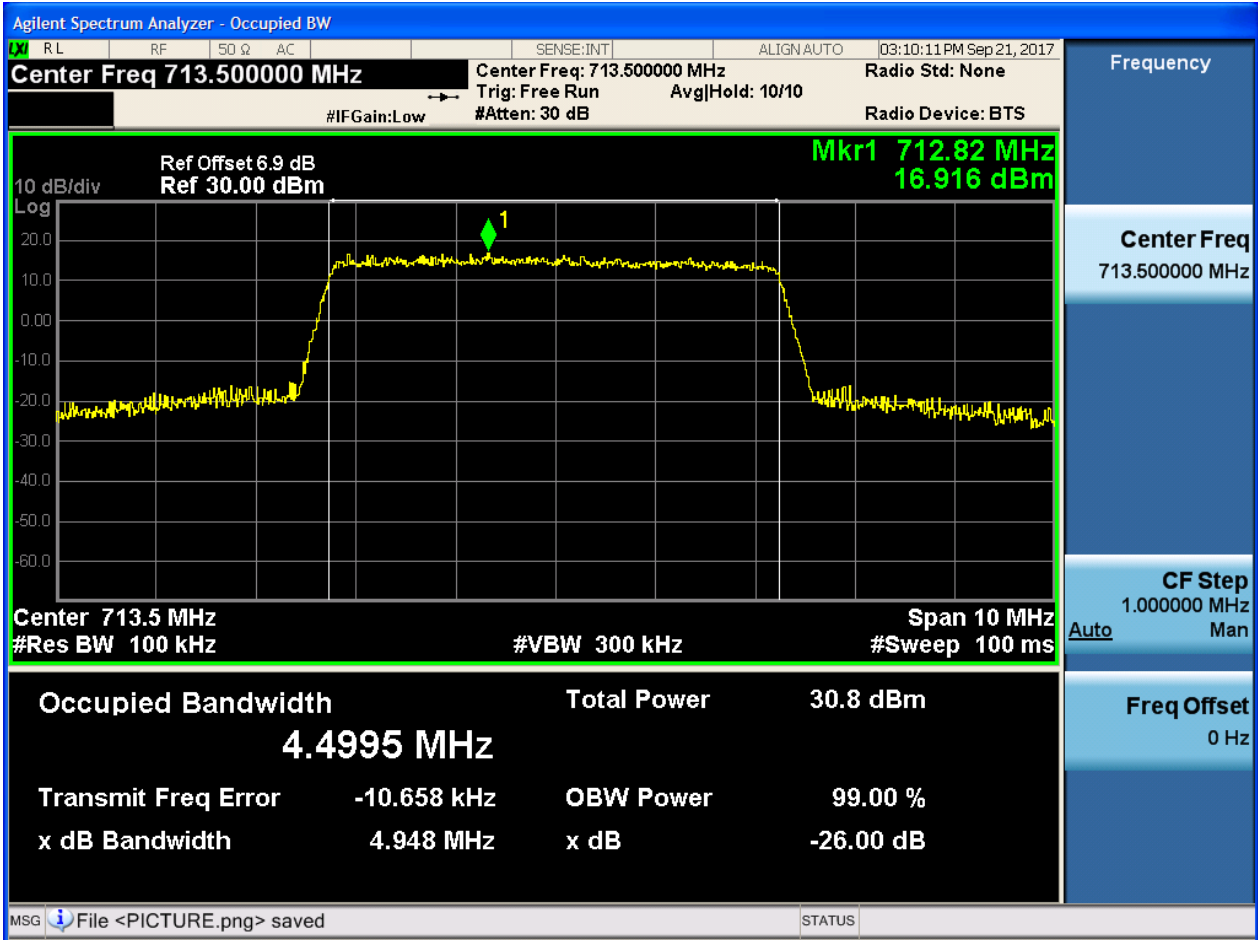
4.1.1.2.1.2 Test Channel = MCH

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

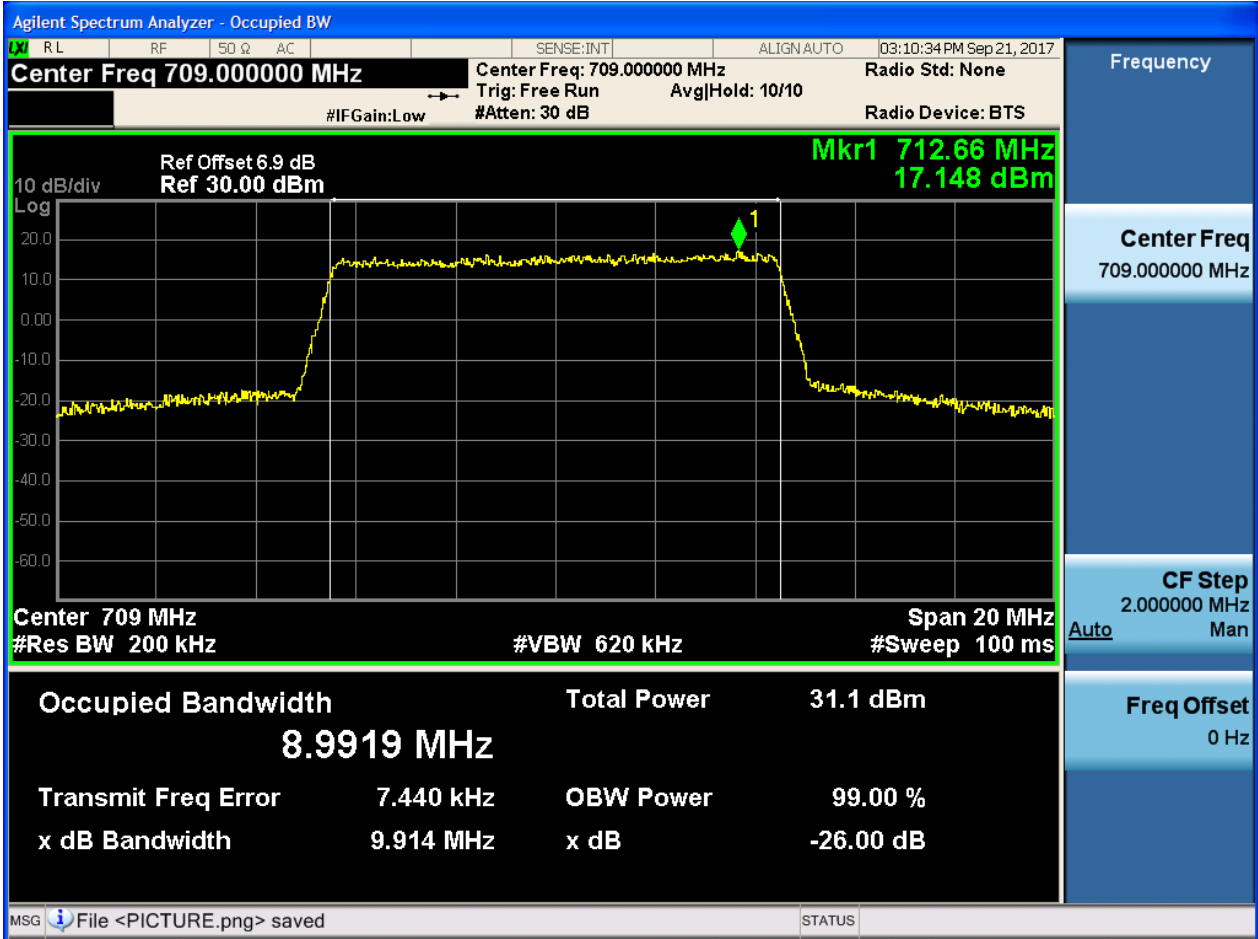




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

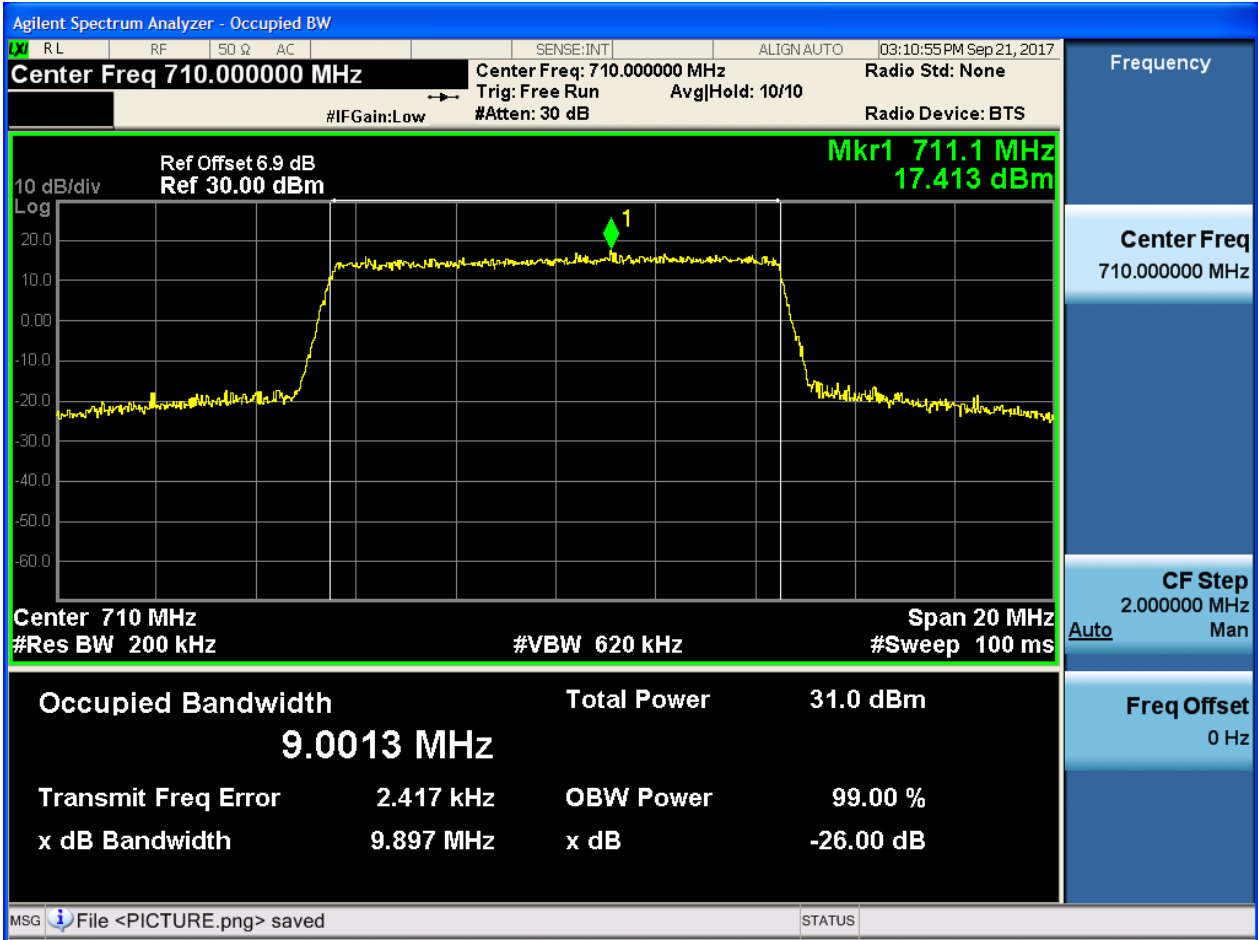
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

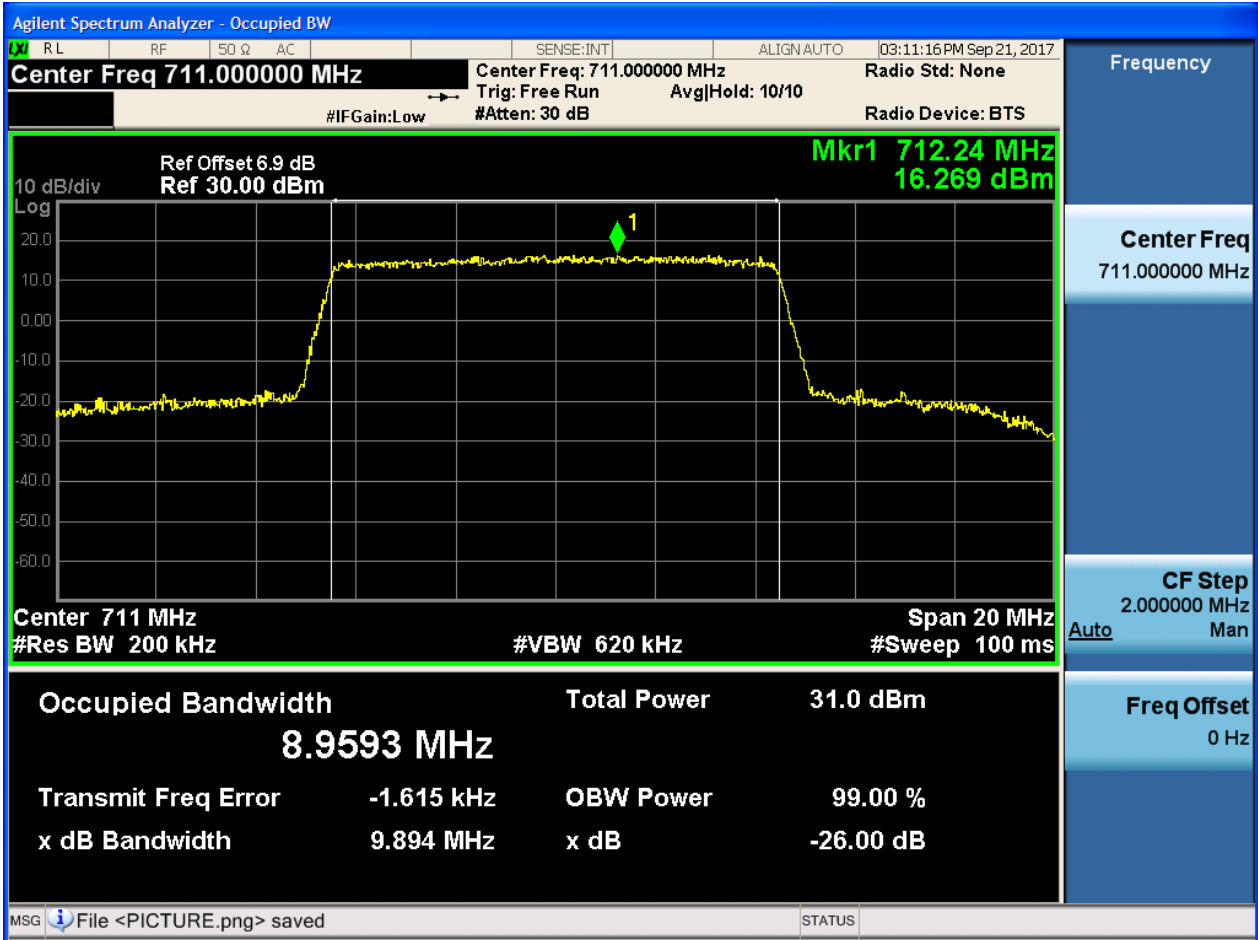
4.1.1.2.2.1 Test RB = RB50#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0





5 Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

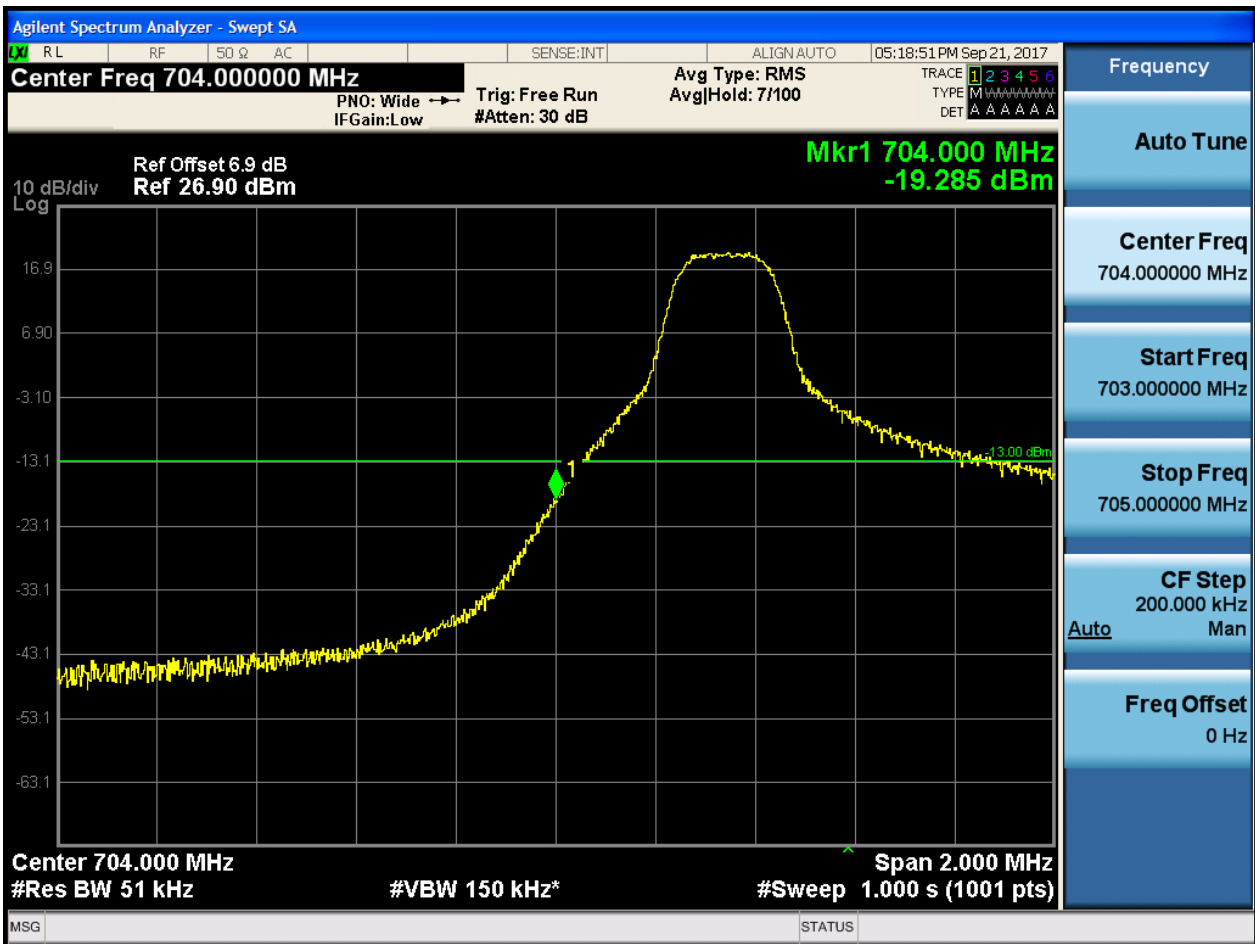
5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

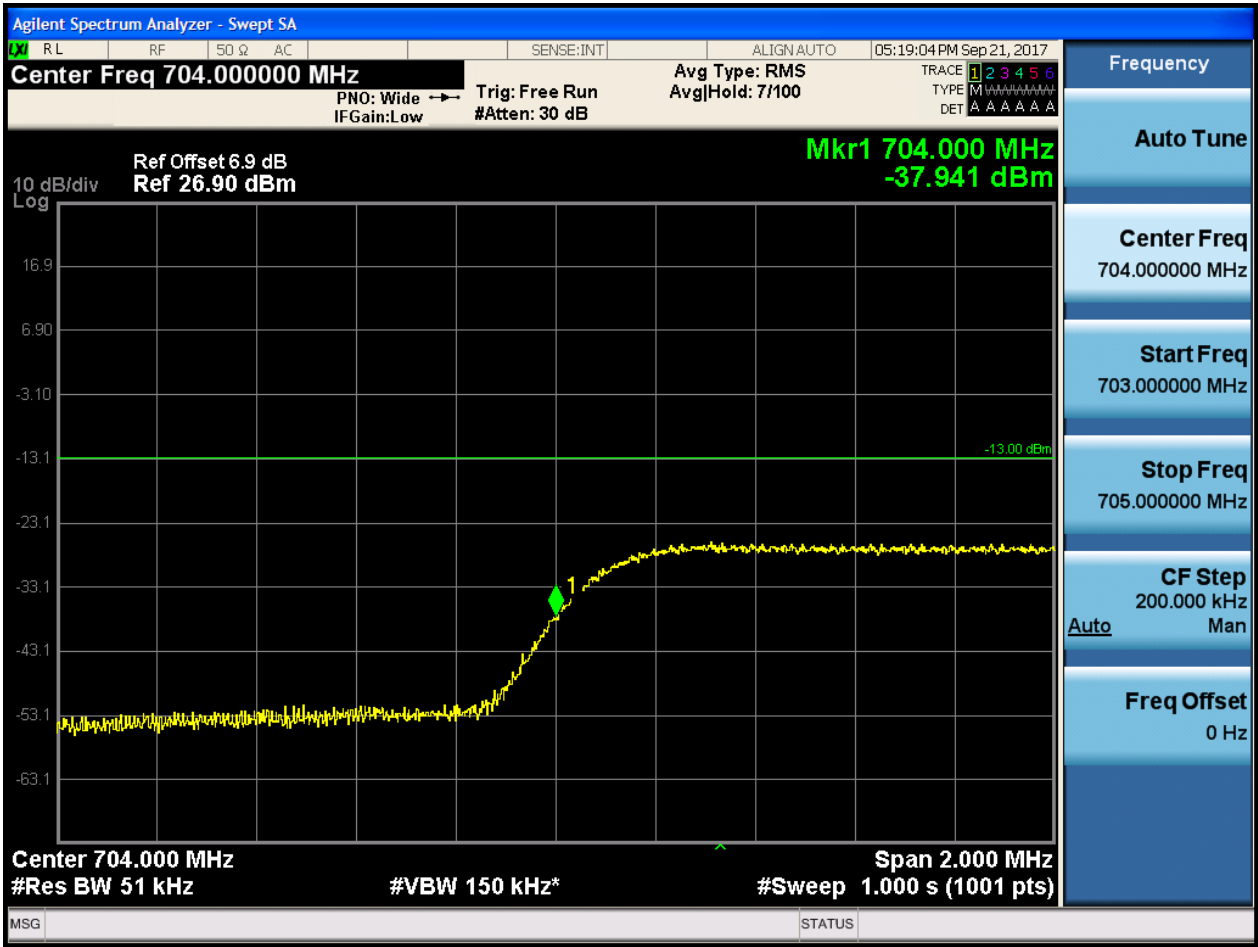
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24



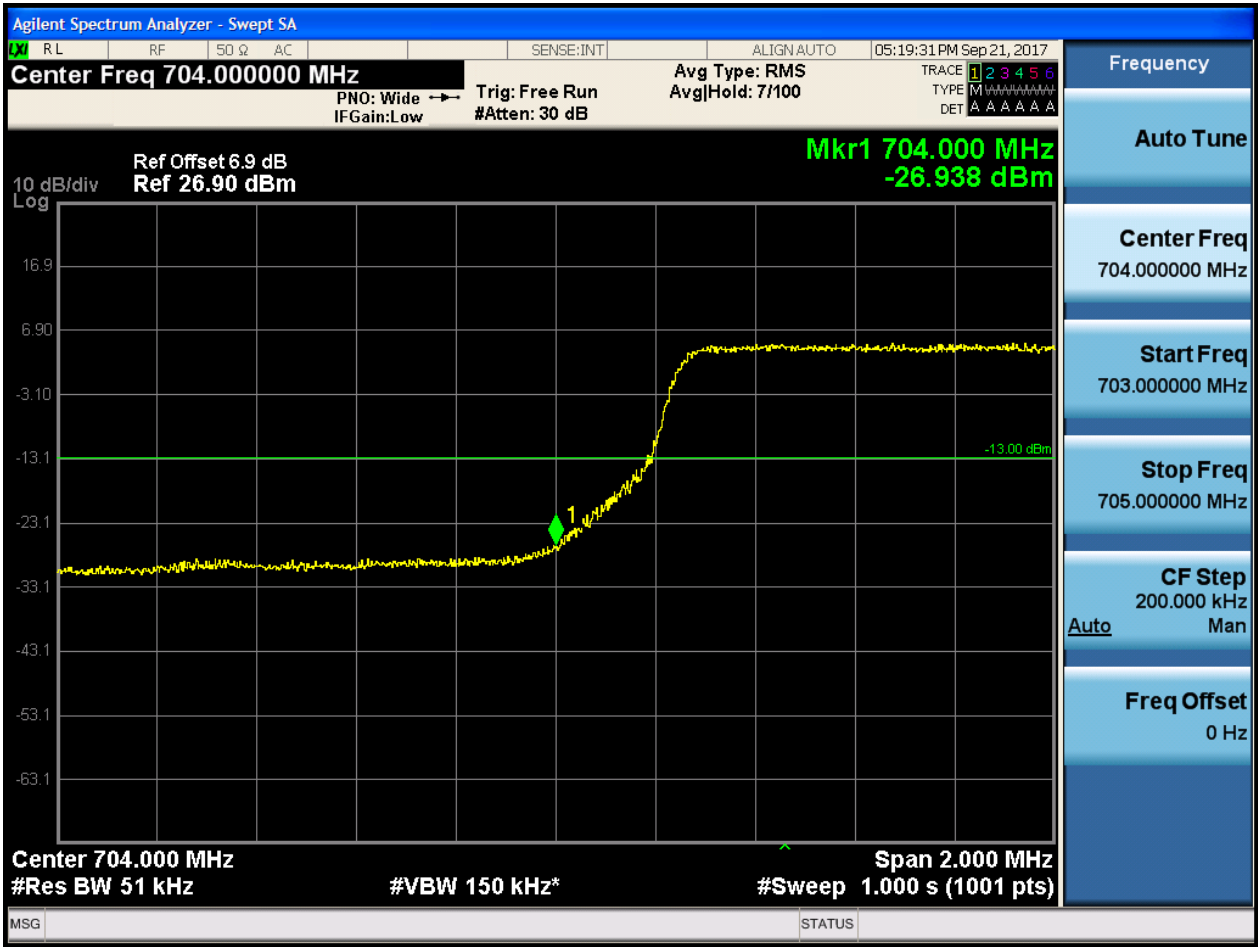


5.1.1.1.1.3 Test RB = RB12#6





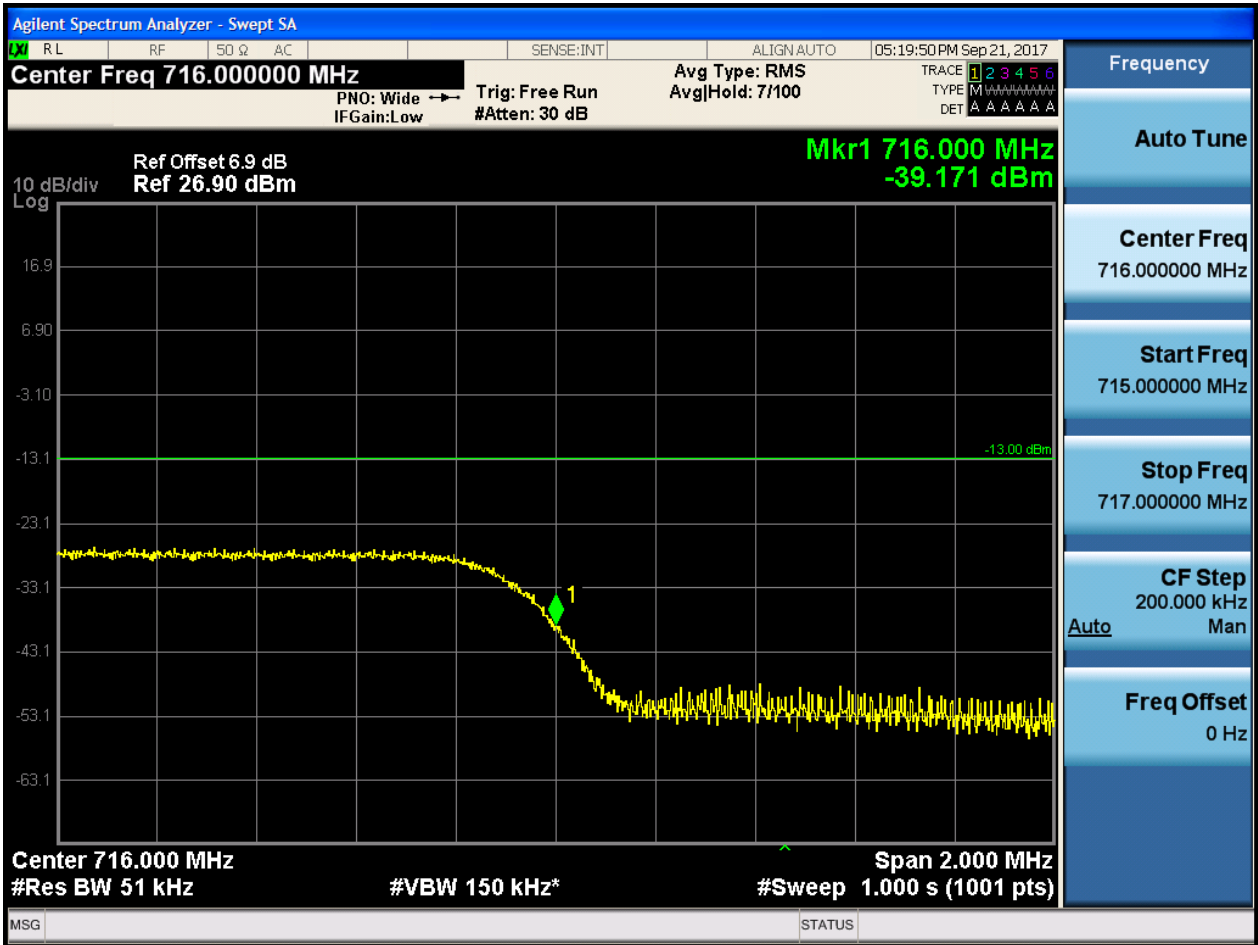
5.1.1.1.1.4 Test RB = RB25#0





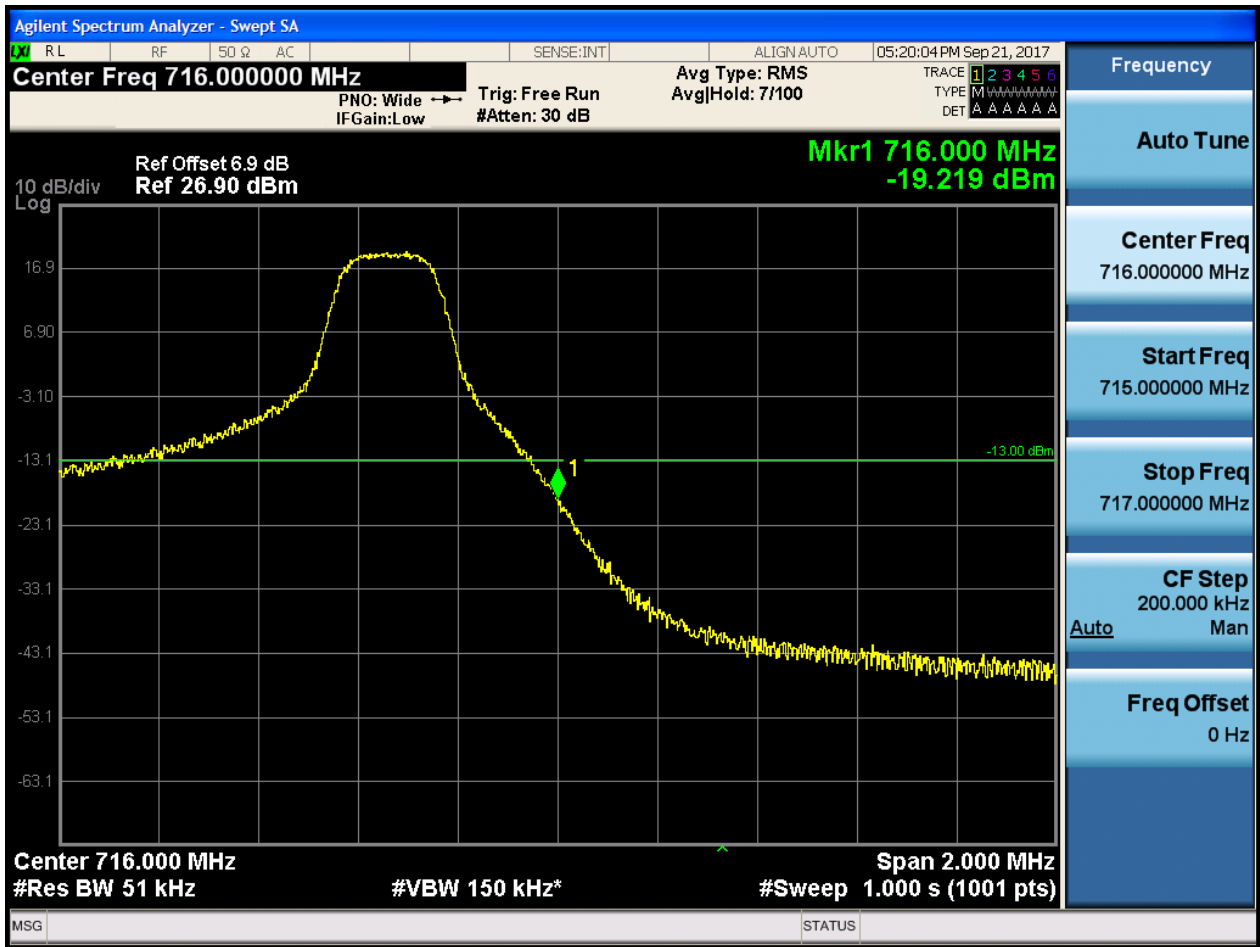
5.1.1.1.1.2 Test Channel = HCH

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

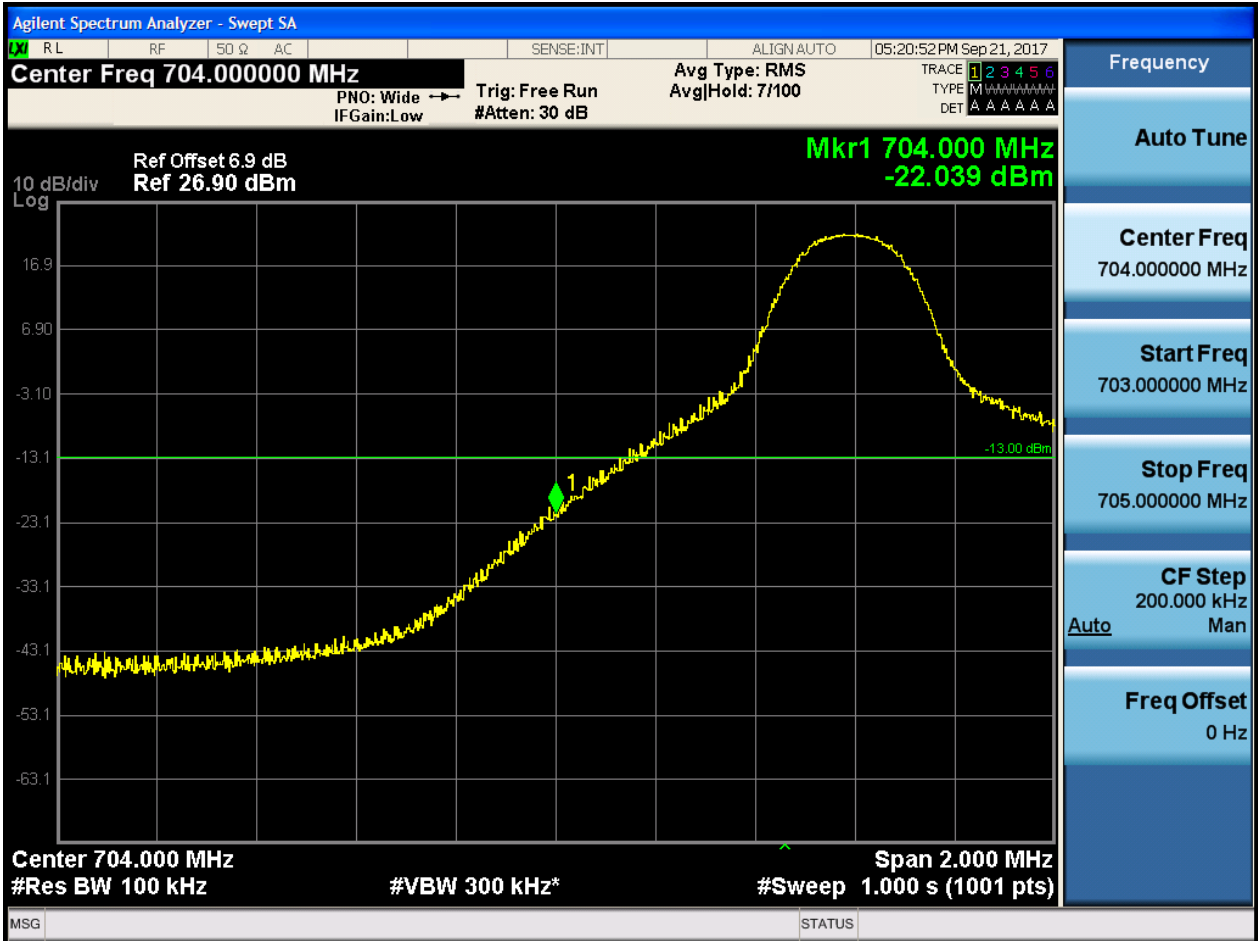




5.1.1.1.2 Test Bandwidth = 10

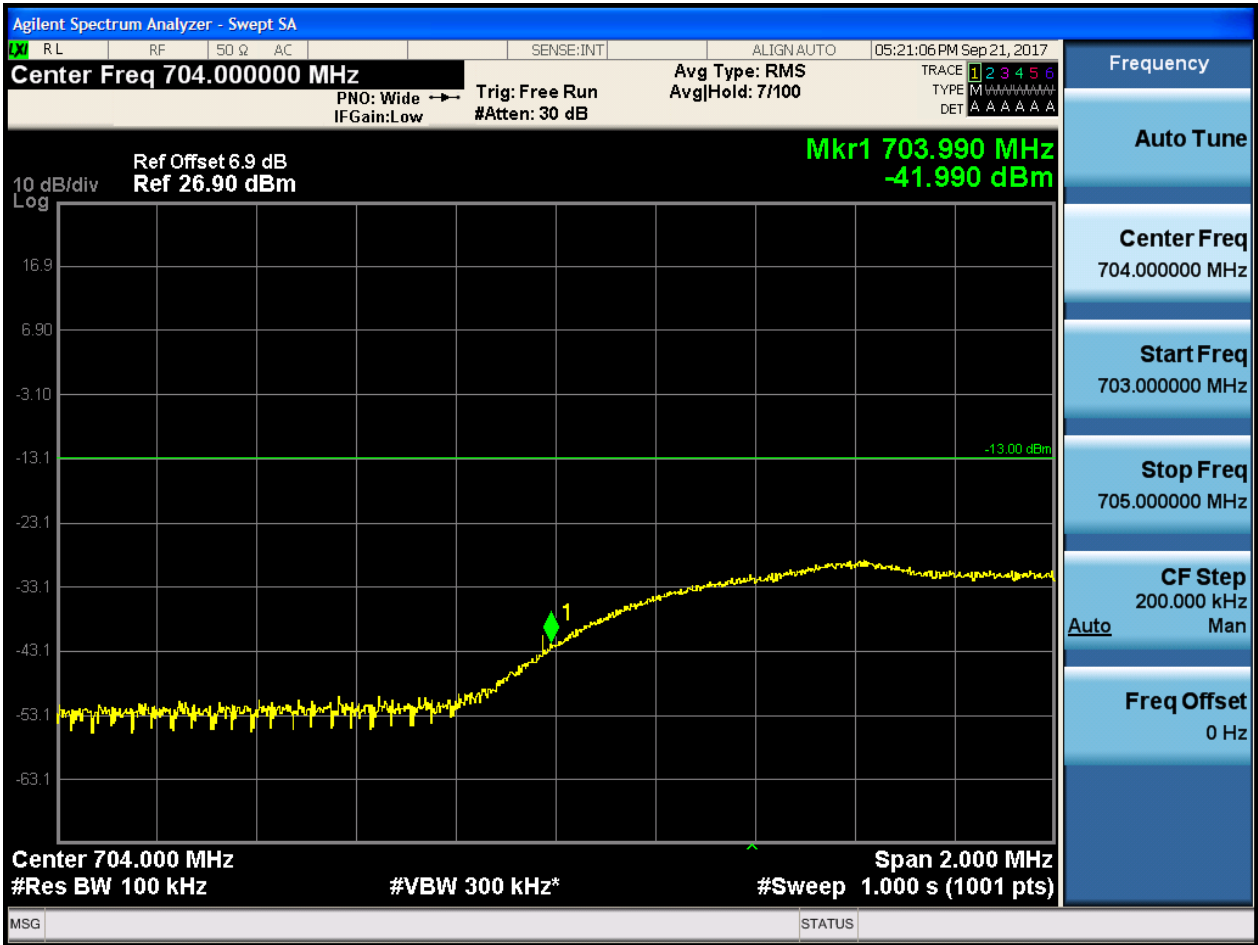
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



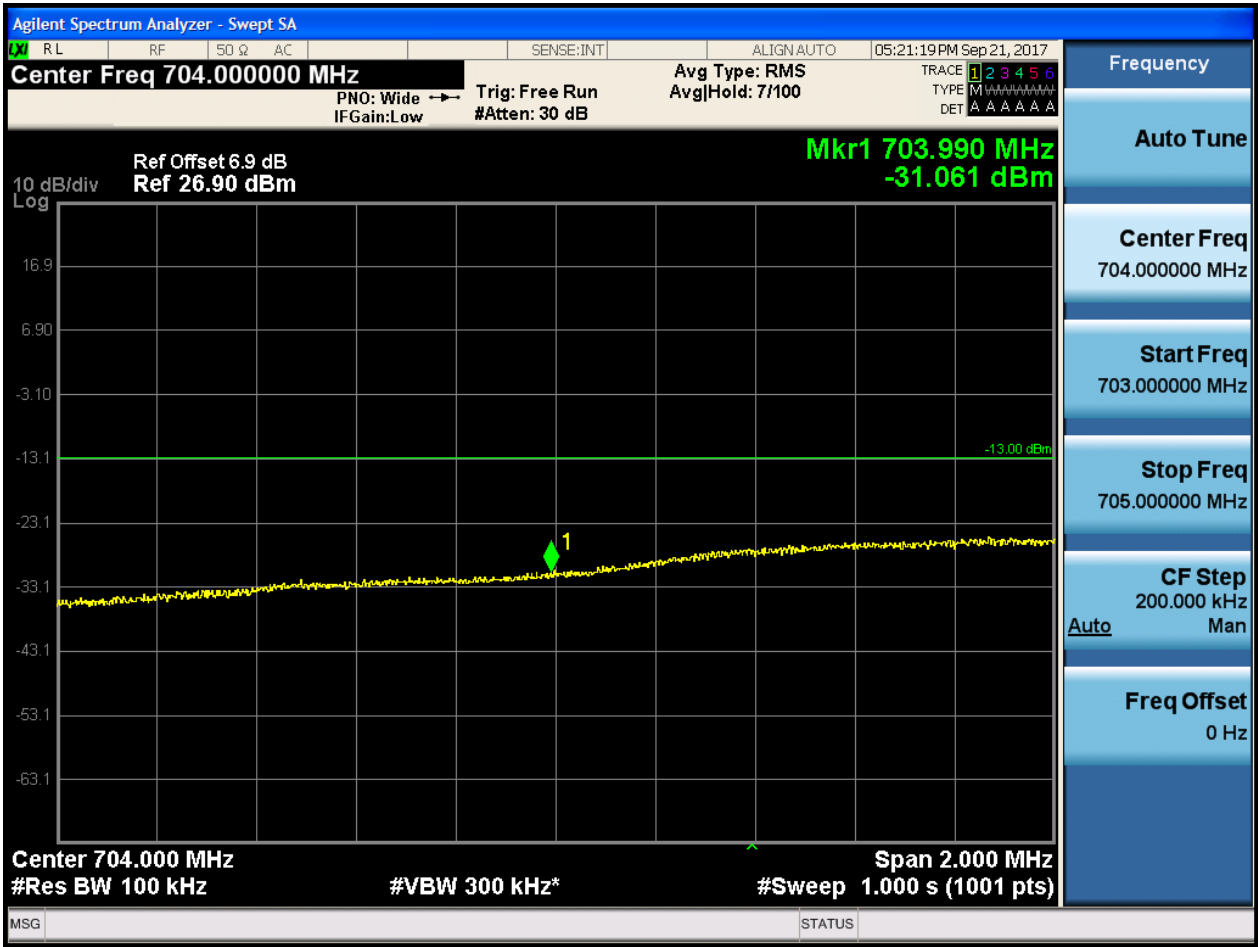


5.1.1.1.2.1.2 Test RB = RB1#49



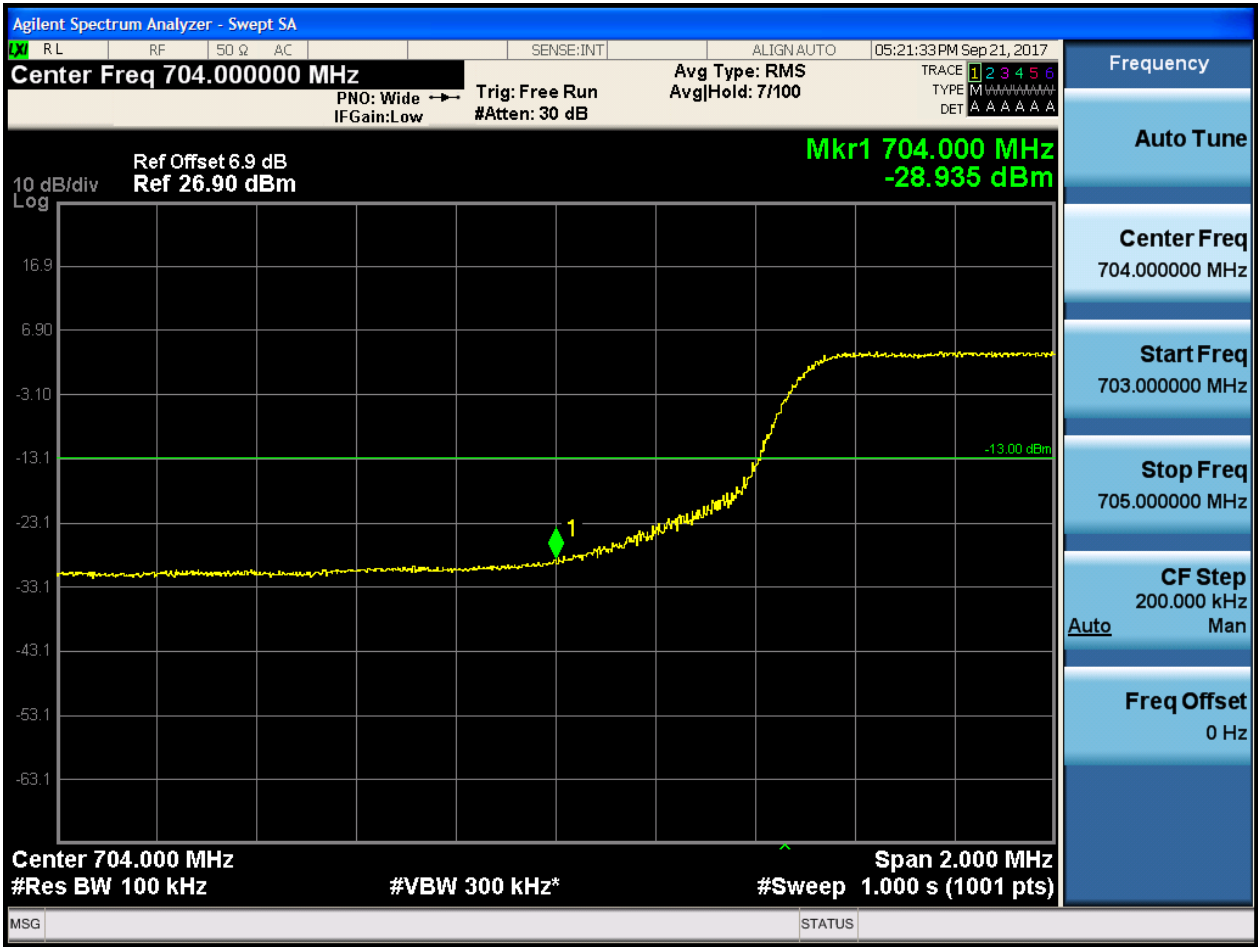


5.1.1.1.2.1.3 Test RB = RB25#13





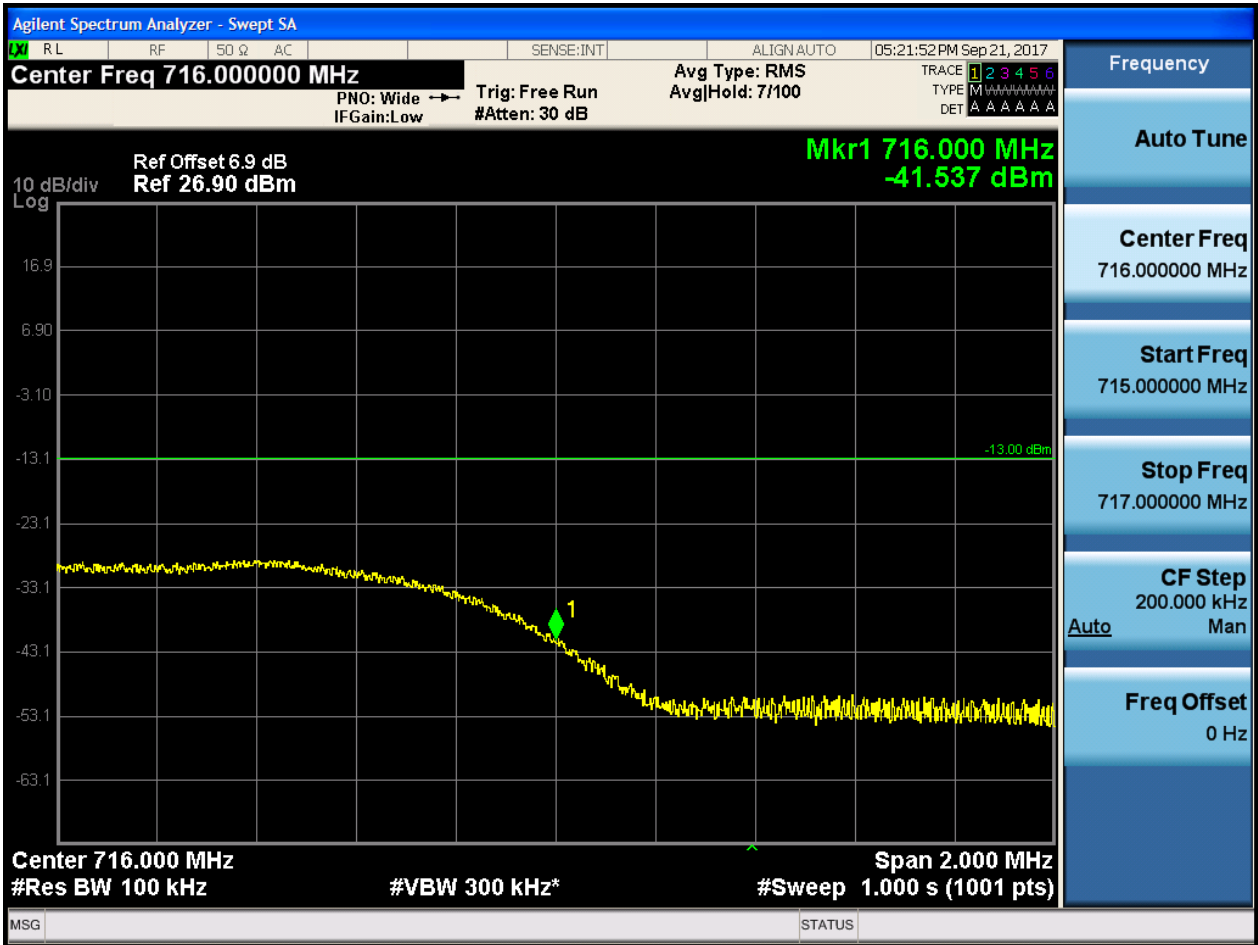
5.1.1.1.2.1.4 Test RB = RB50#0





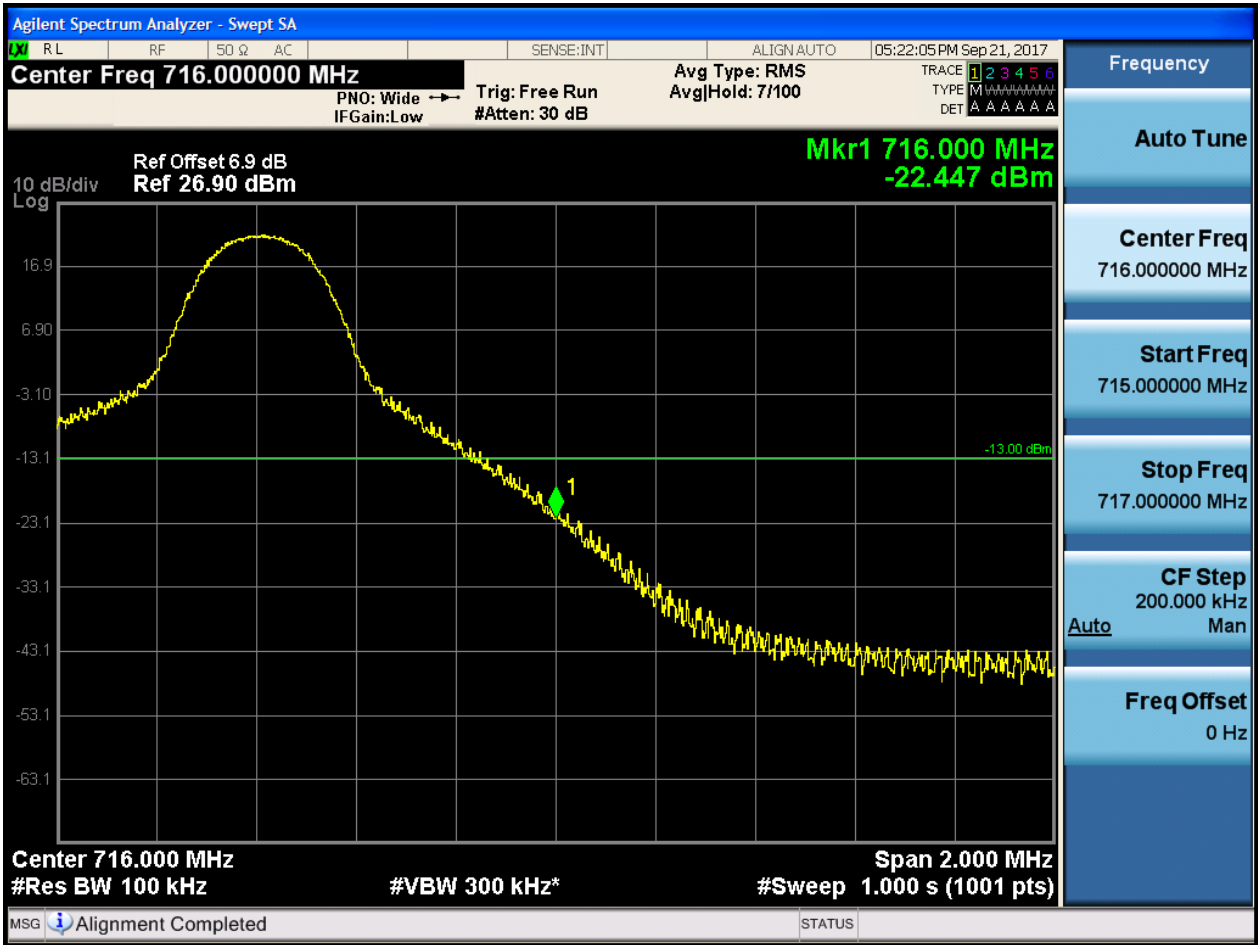
5.1.1.1.2.2 Test Channel = HCH

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



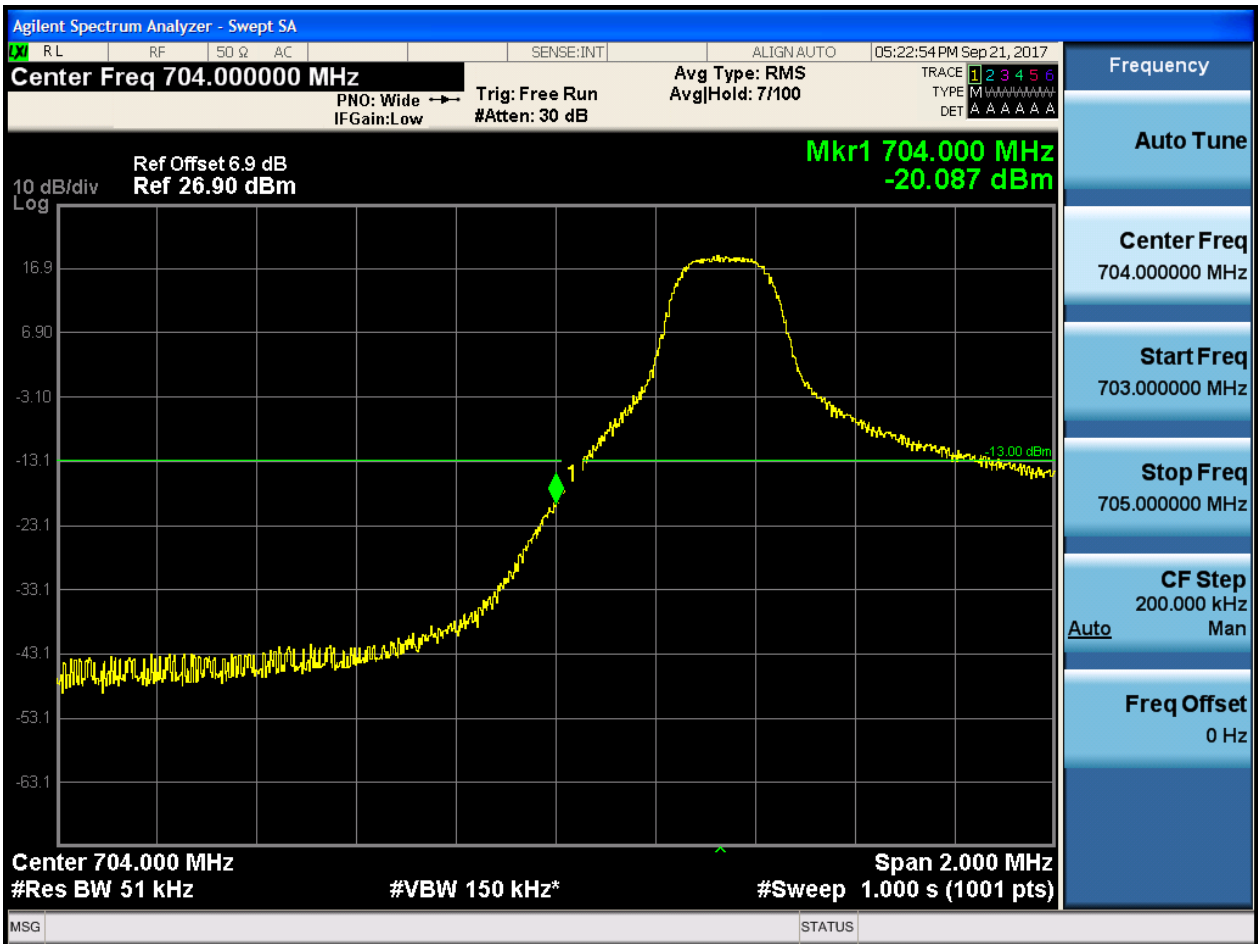


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

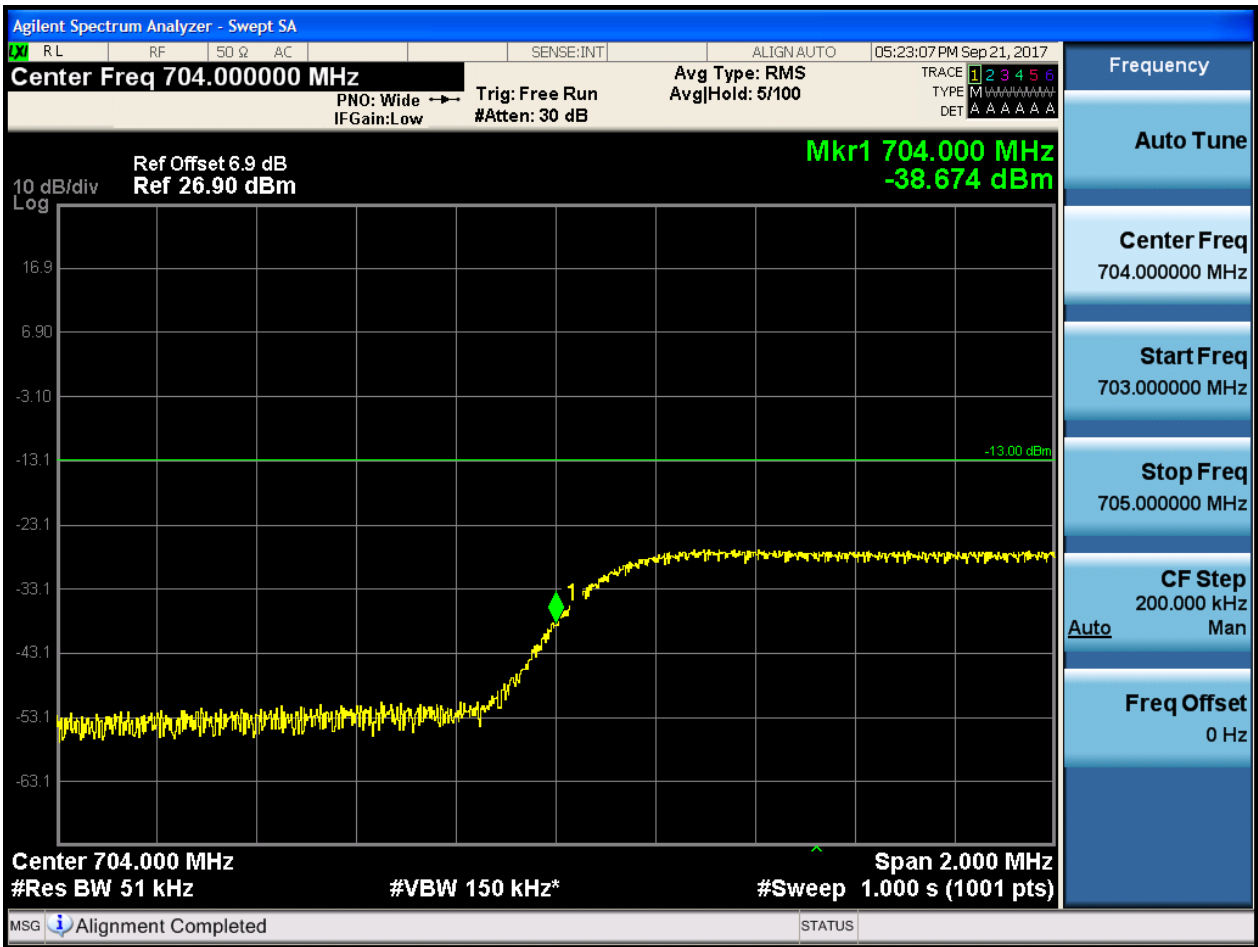
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#24



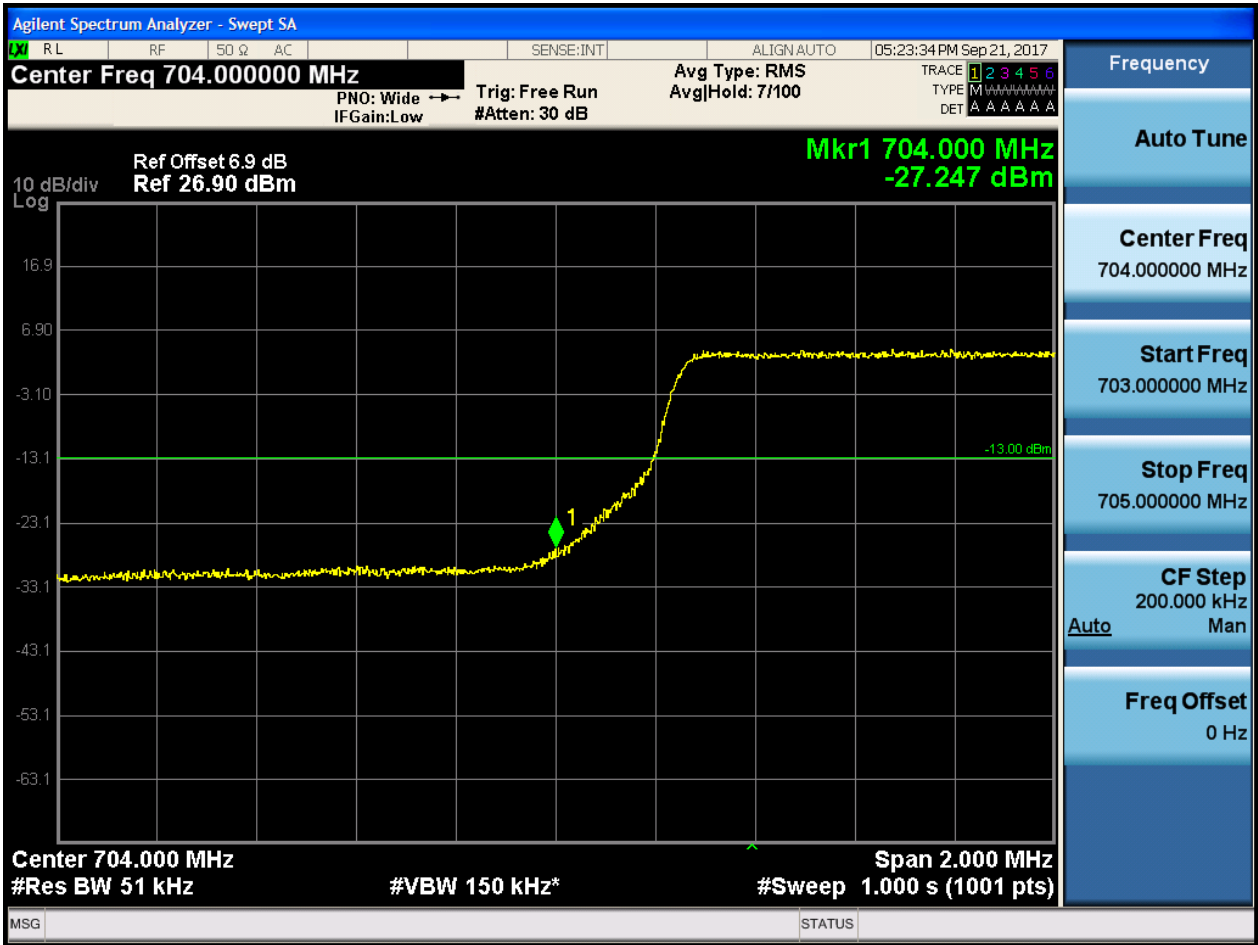


5.1.1.2.1.1.3 Test RB = RB12#6





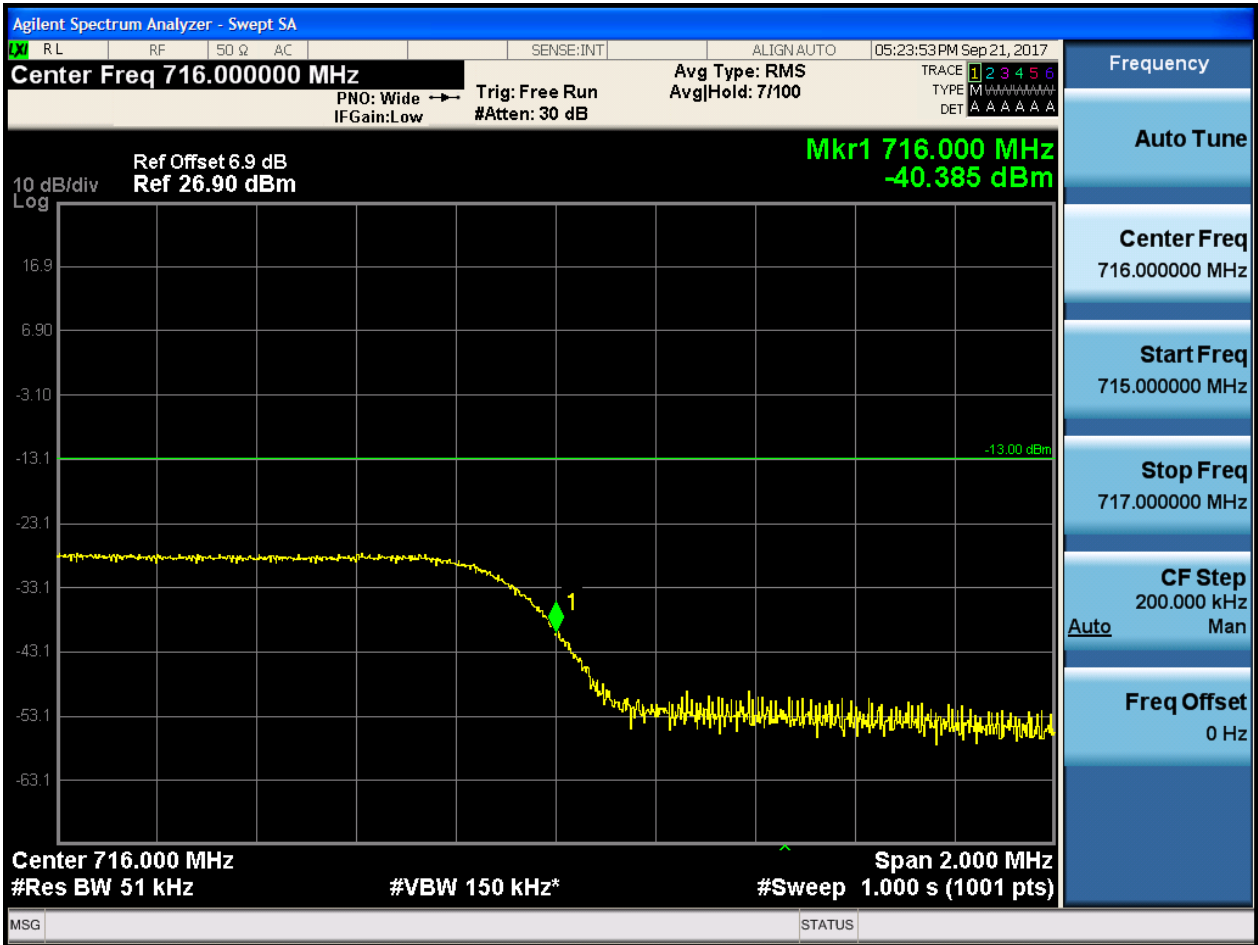
5.1.1.2.1.1.4 Test RB = RB25#0





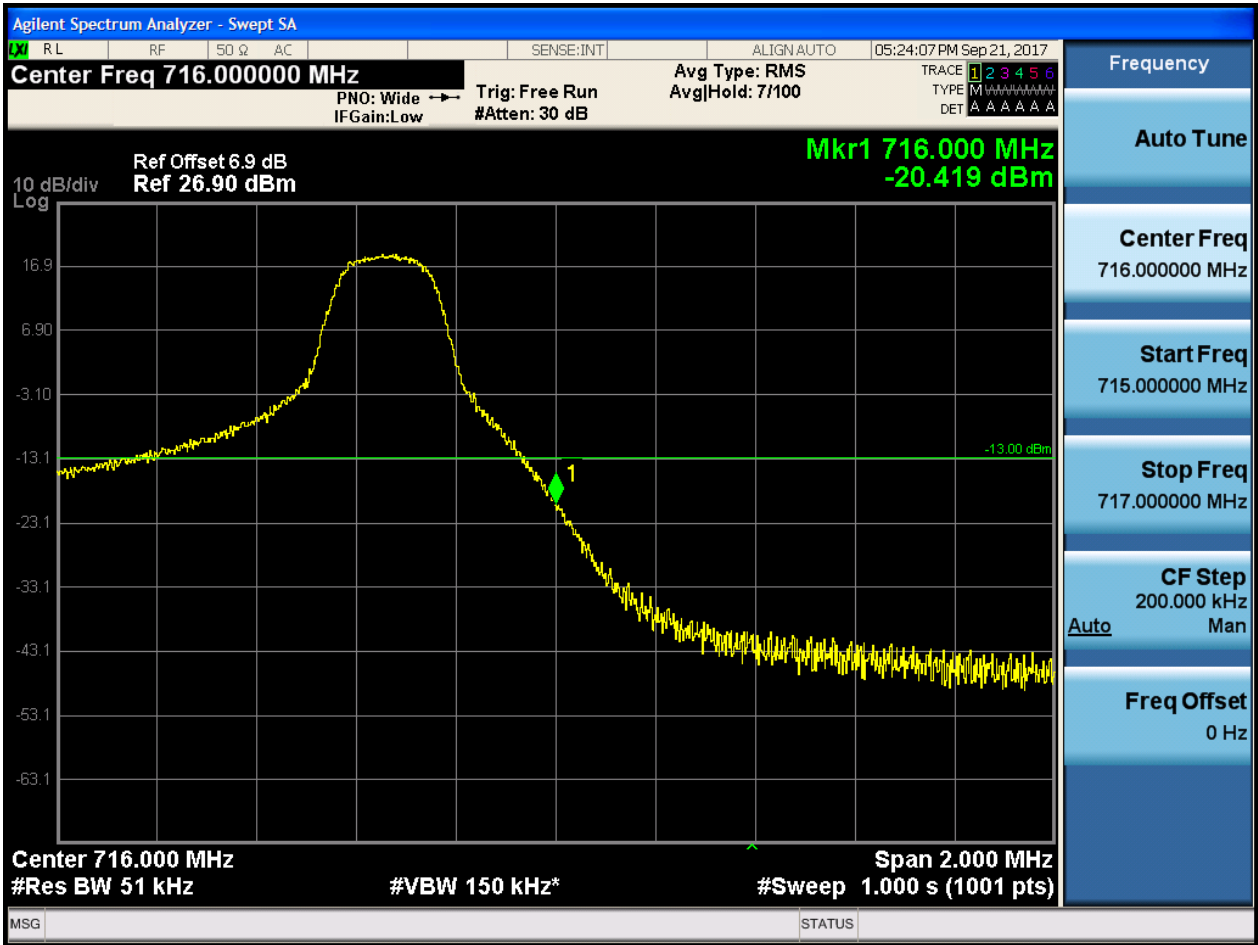
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



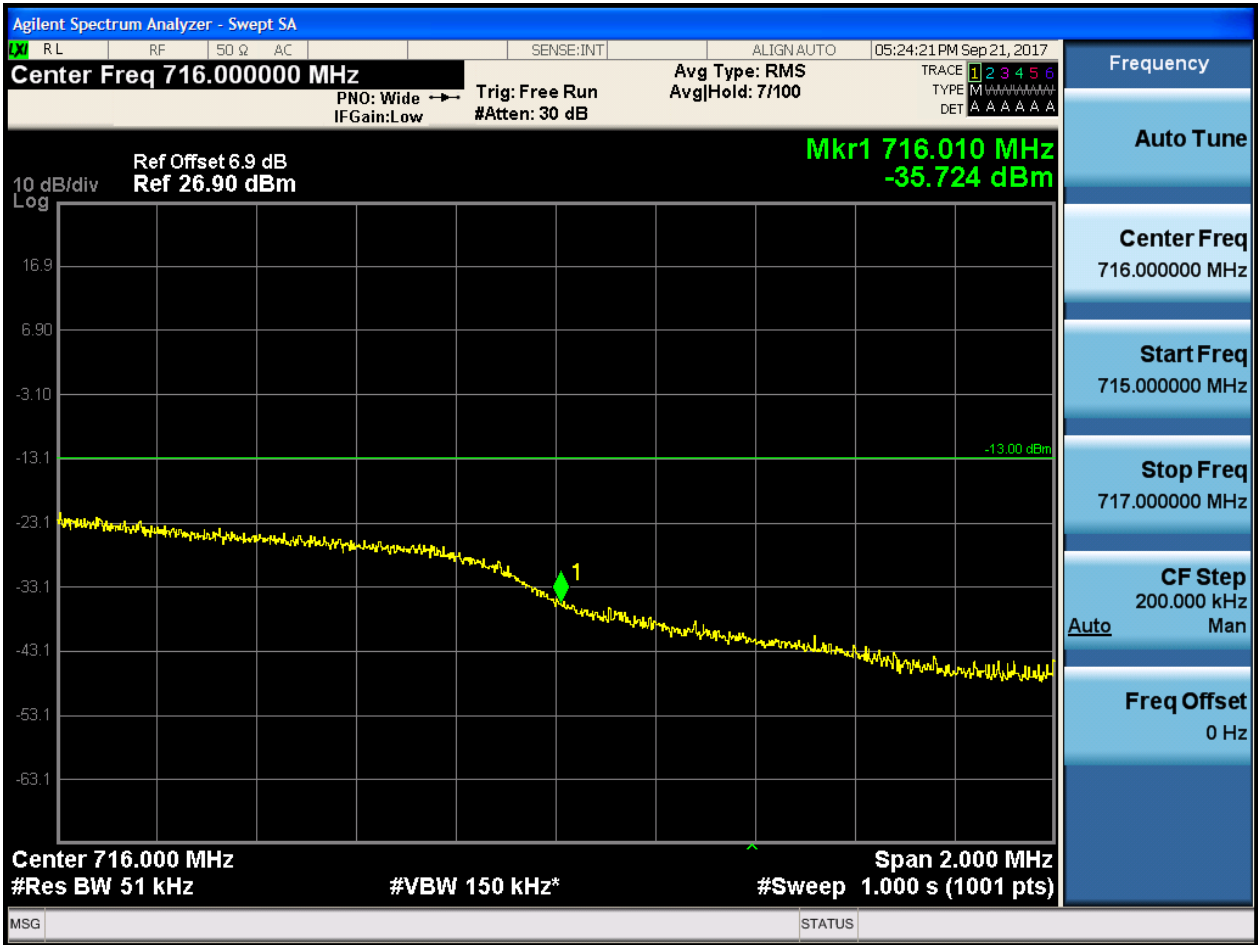


5.1.1.2.1.2.2 Test RB = RB1#24



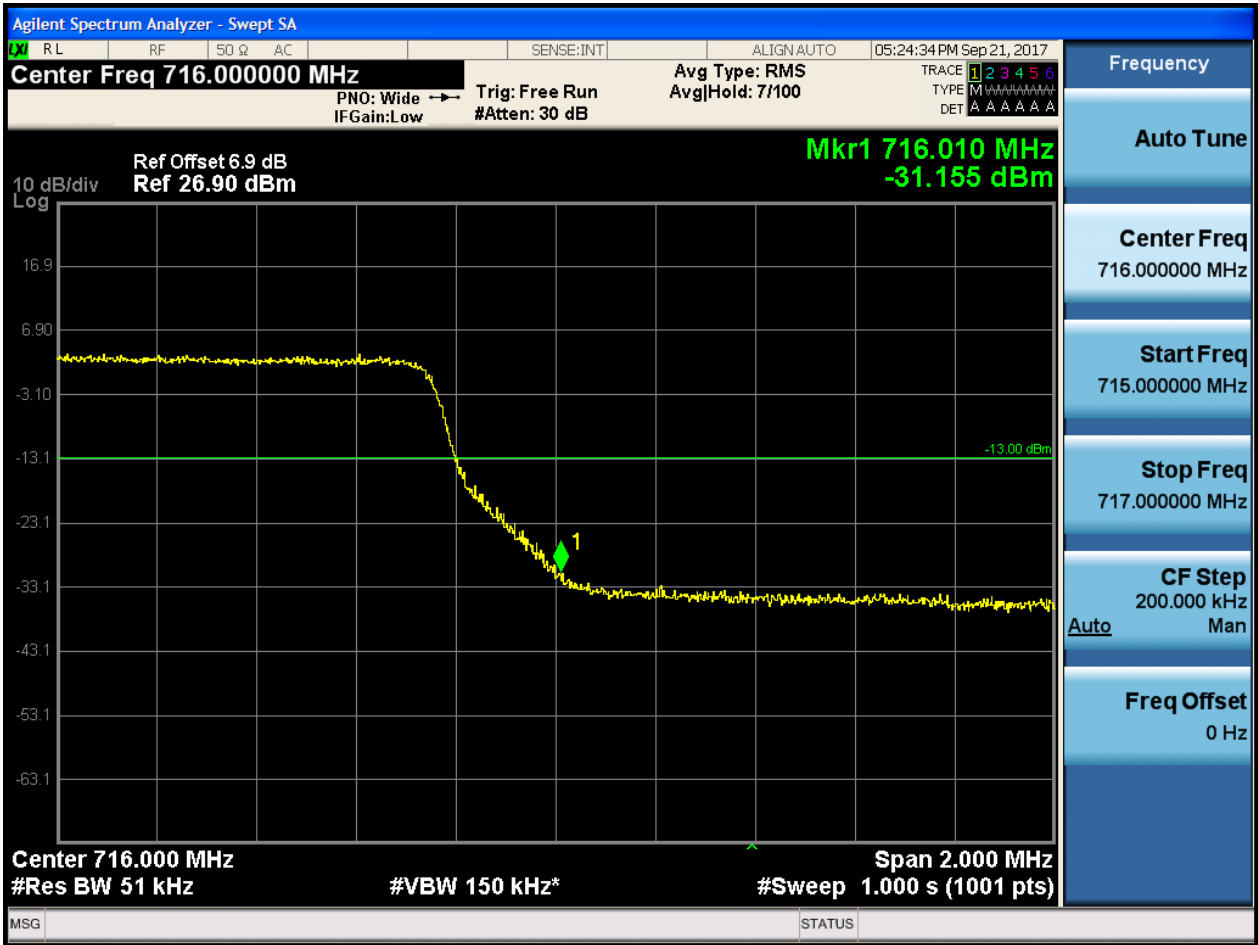


5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

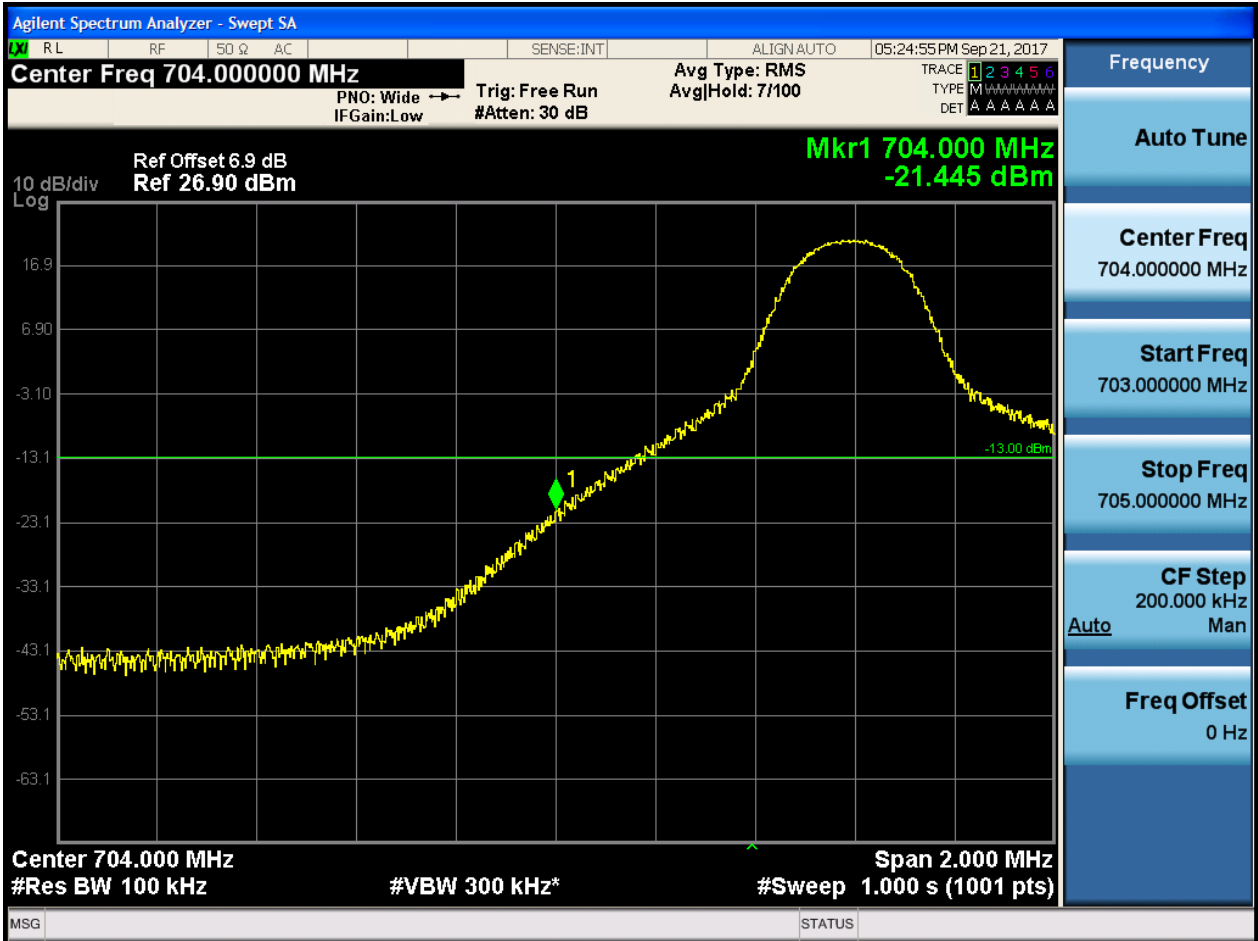




5.1.1.2.2 Test Bandwidth = 10

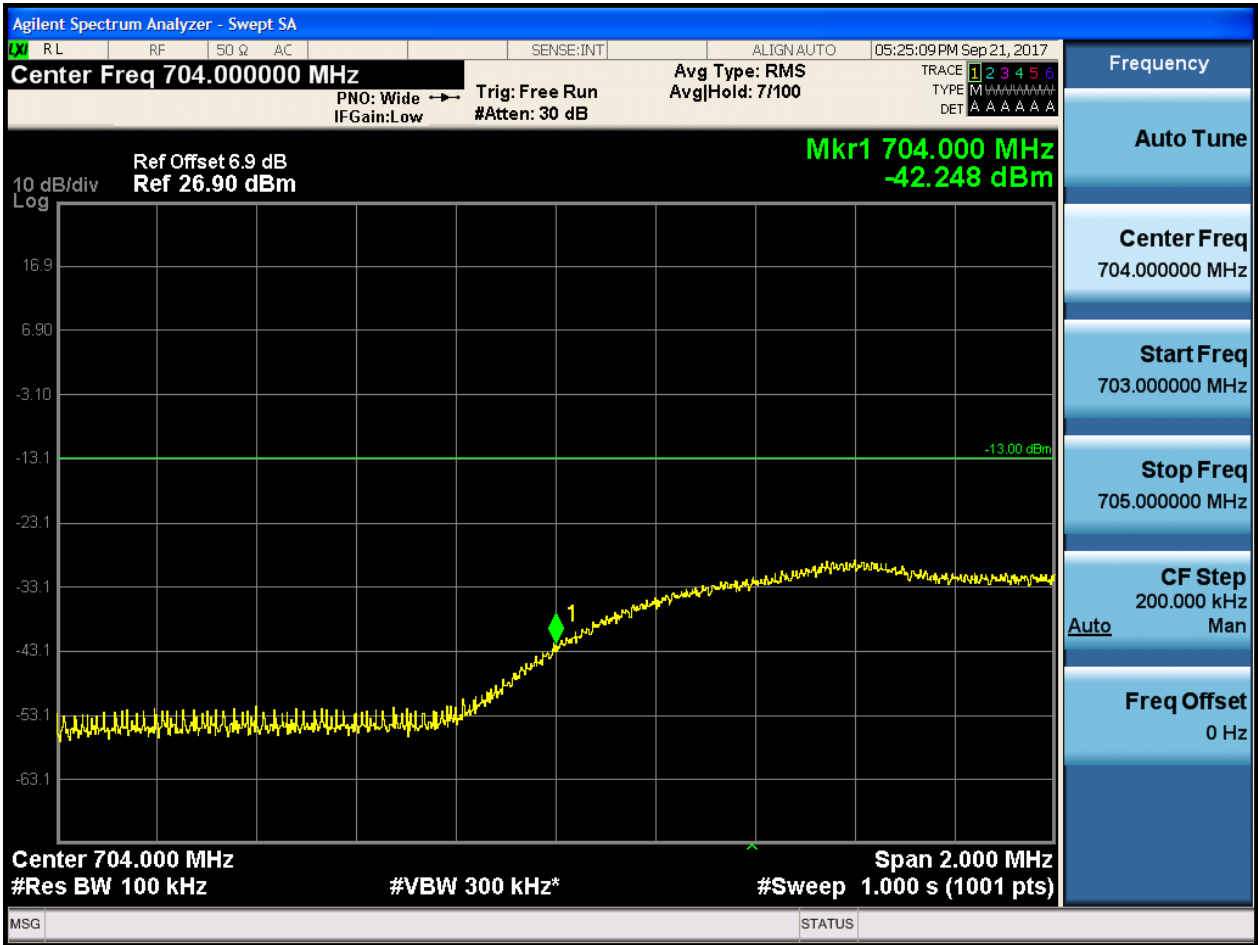
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



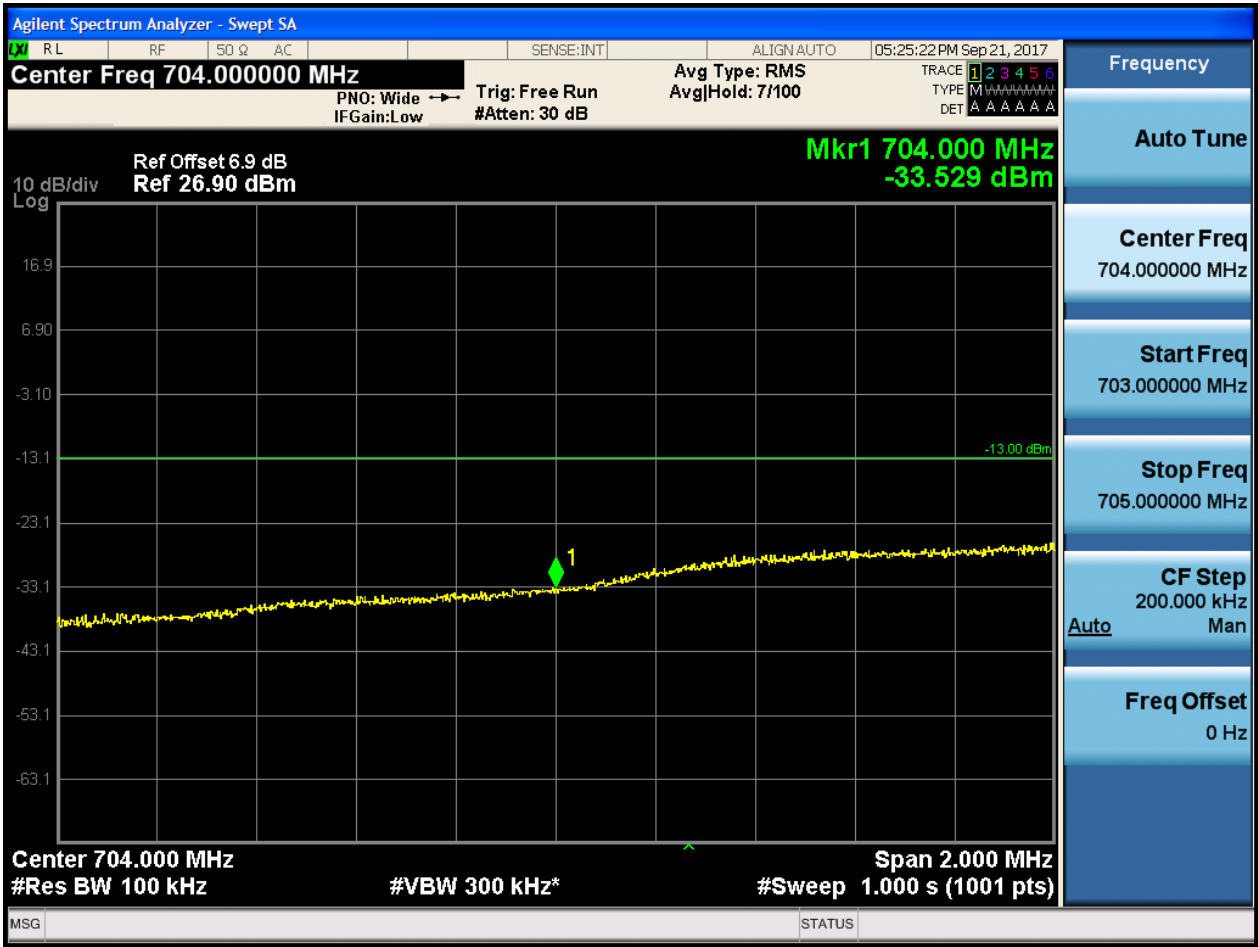


5.1.1.2.2.1.2 Test RB = RB1#49



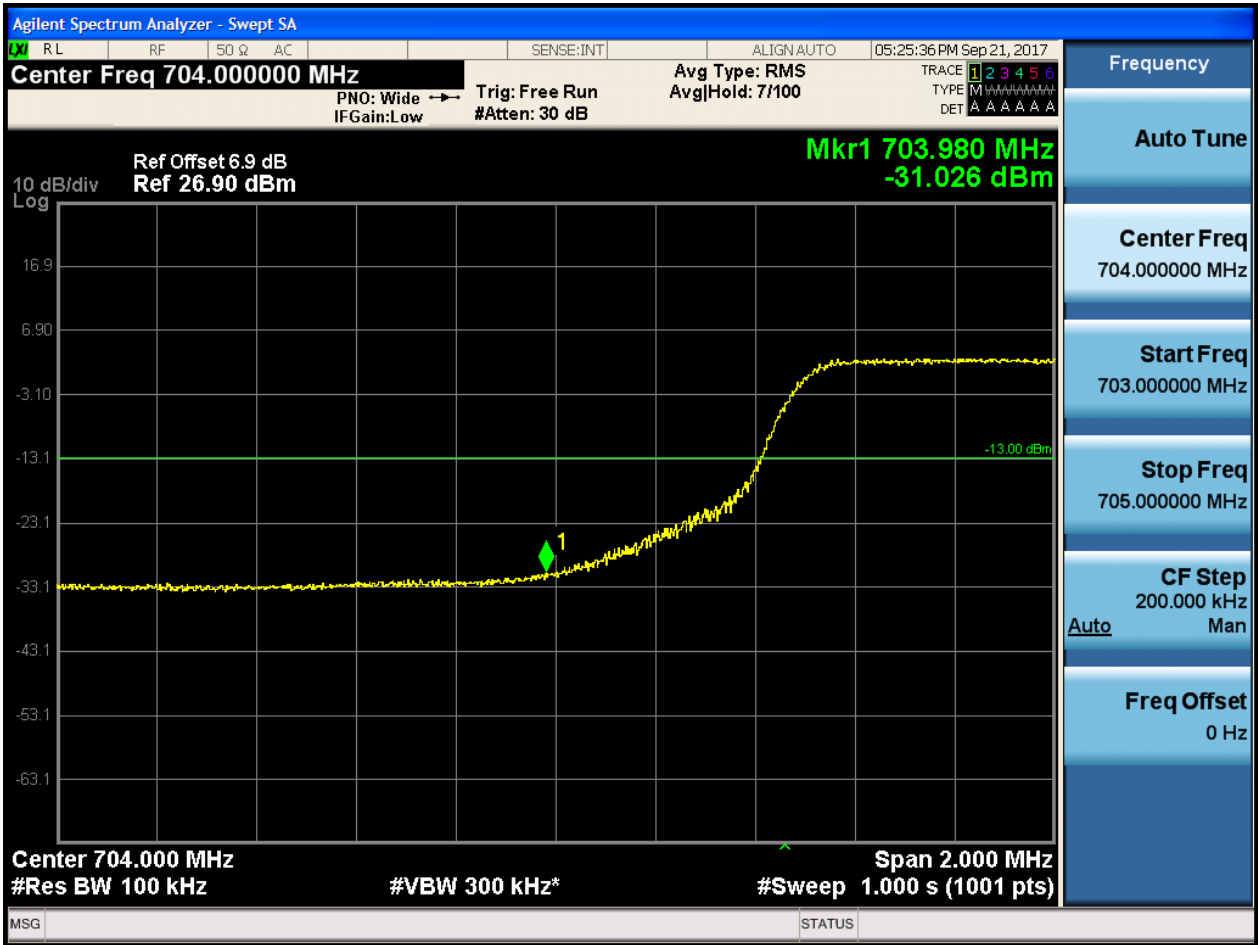


5.1.1.2.2.1.3 Test RB = RB25#13



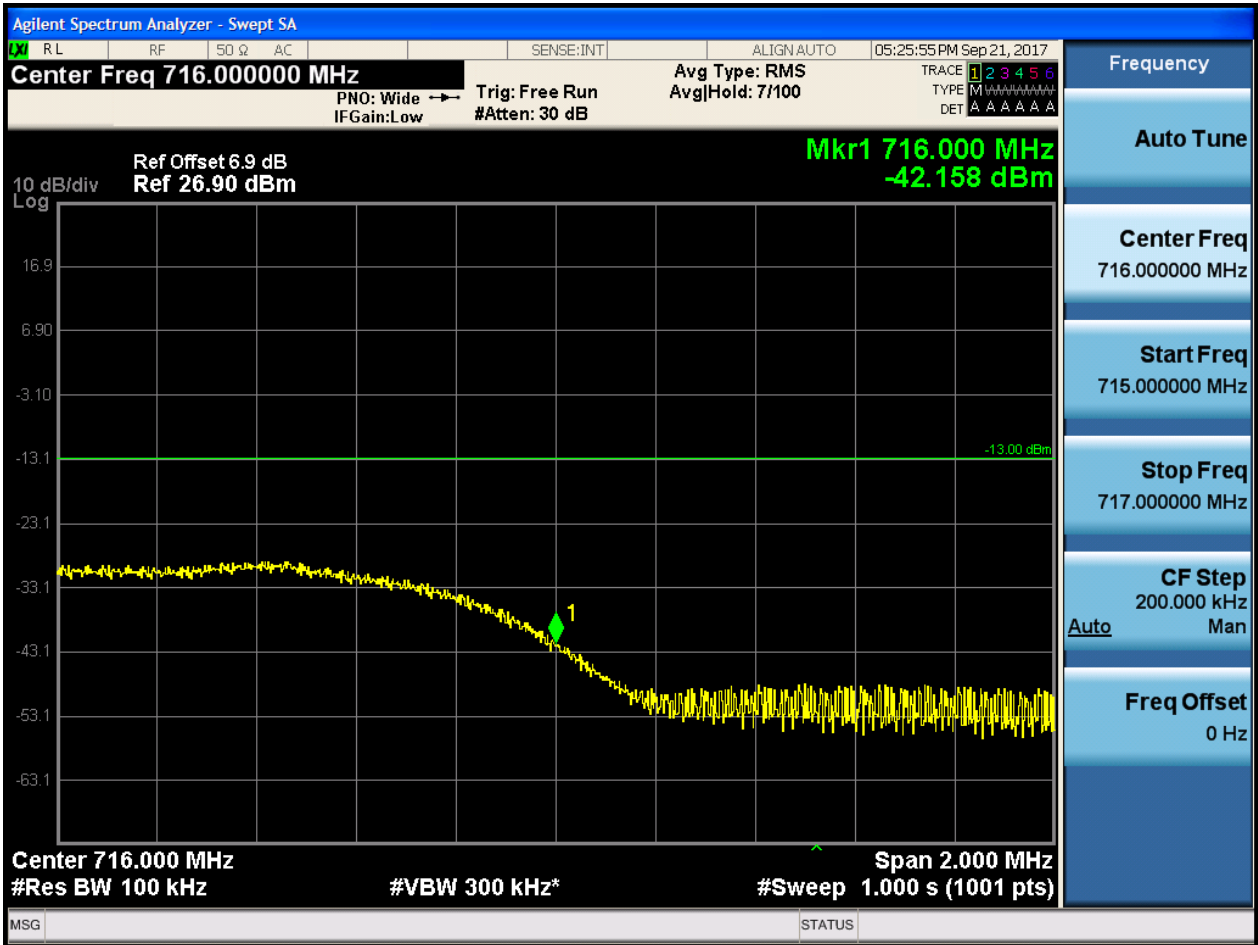


5.1.1.2.2.1.4 Test RB = RB50#0



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





5.1.1.2.2.2.4 Test RB = RB50#0





5Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

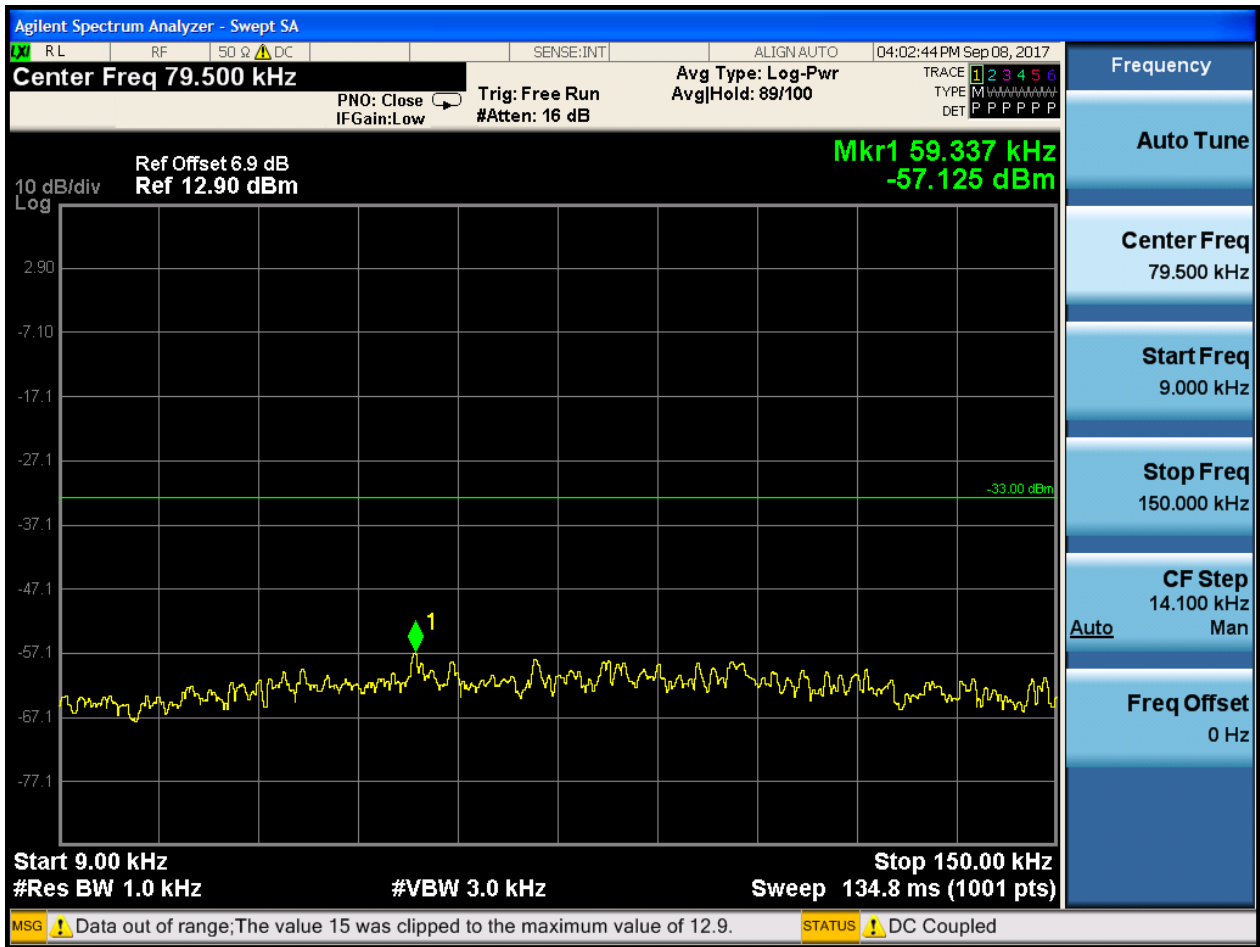
6.1.1 Test Band = BAND17

6.1.1.1 Test Mode = LTE/TM1

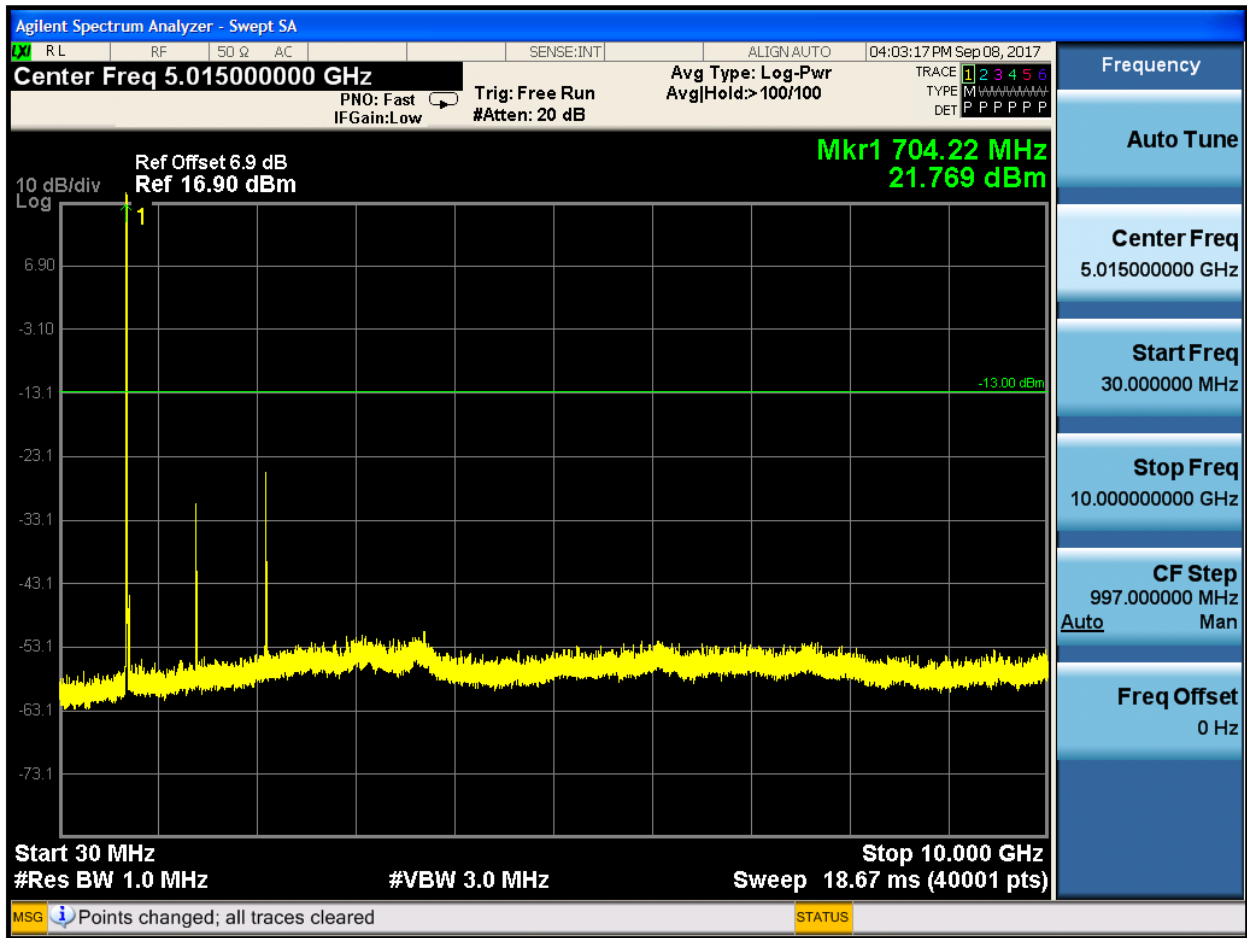
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



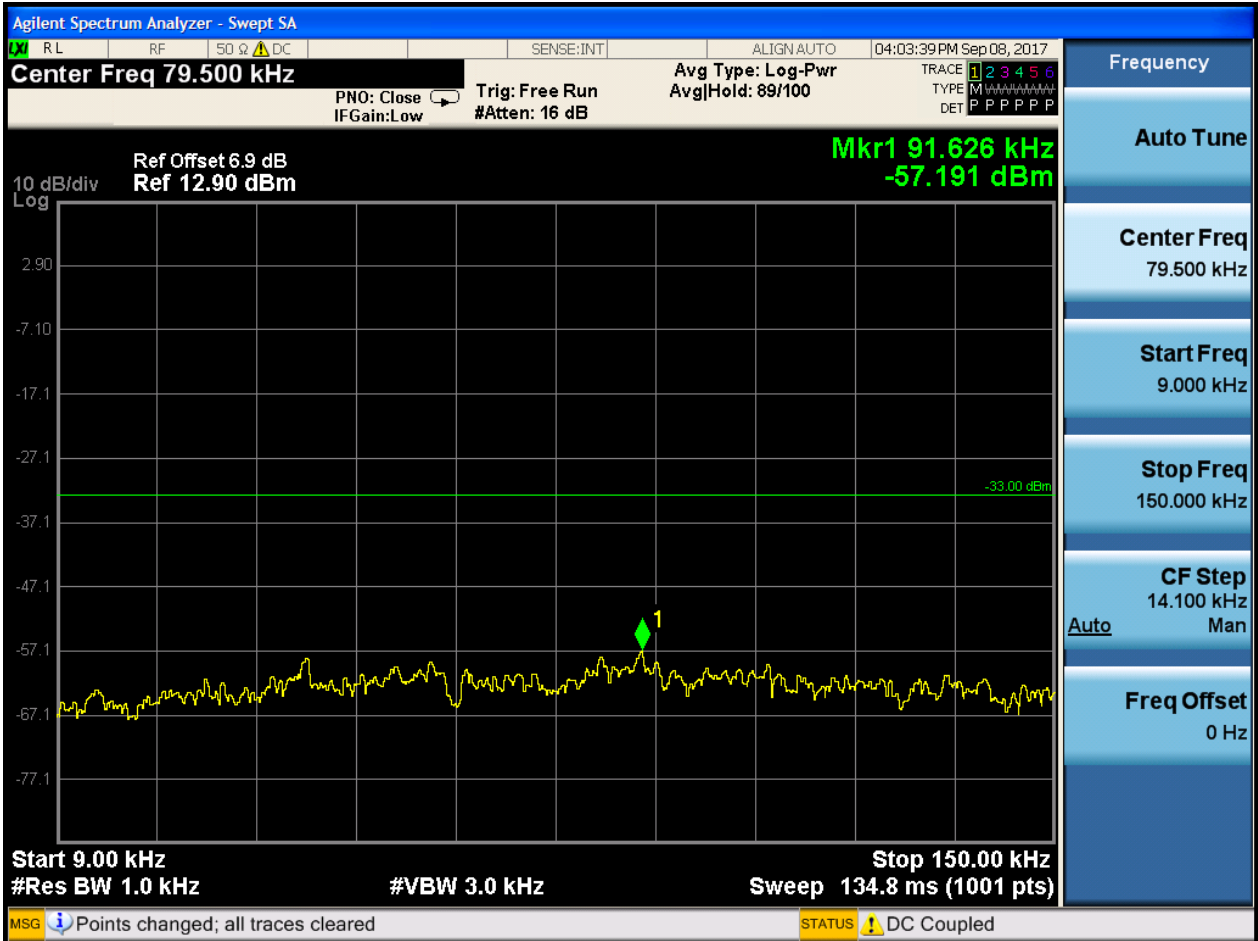




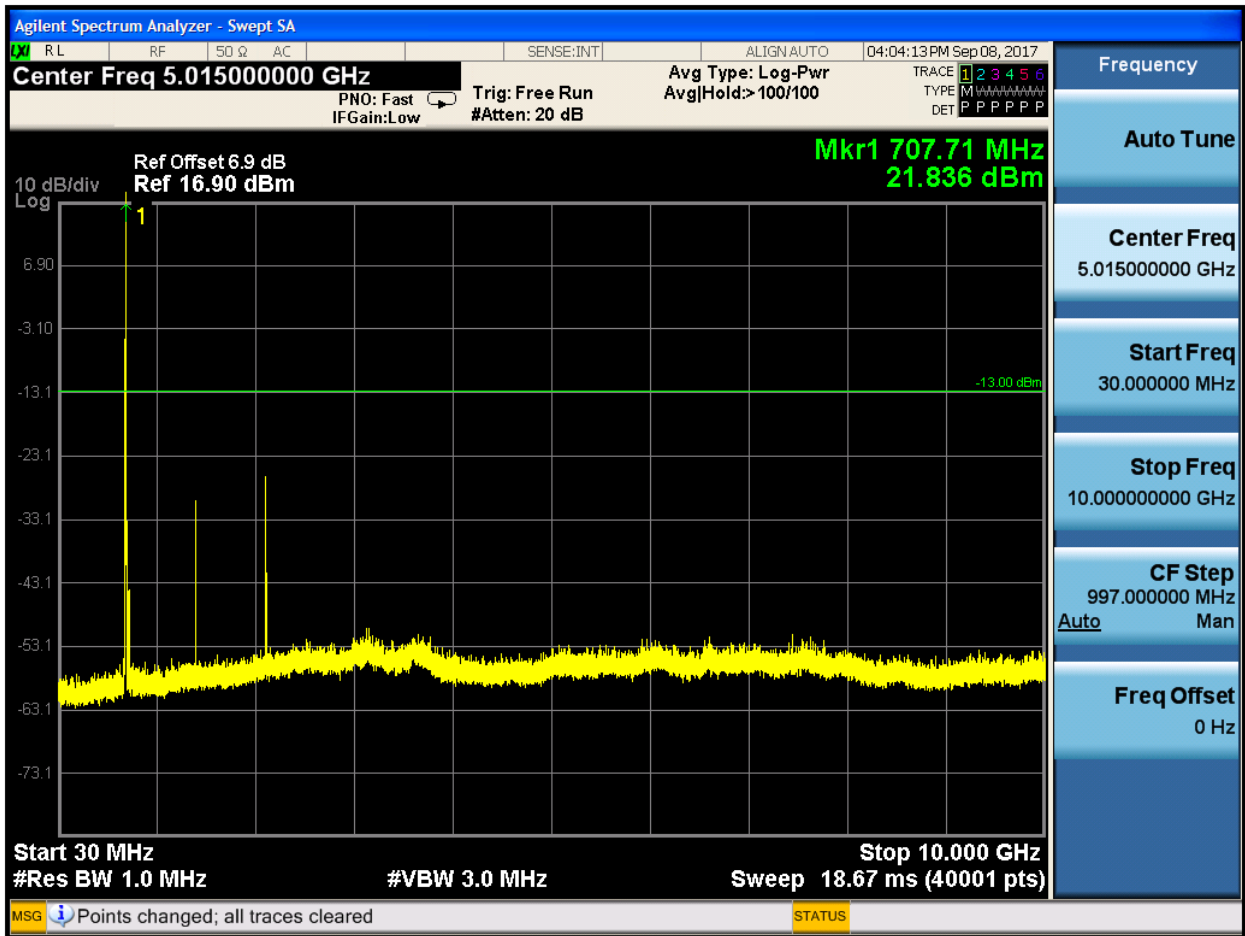


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



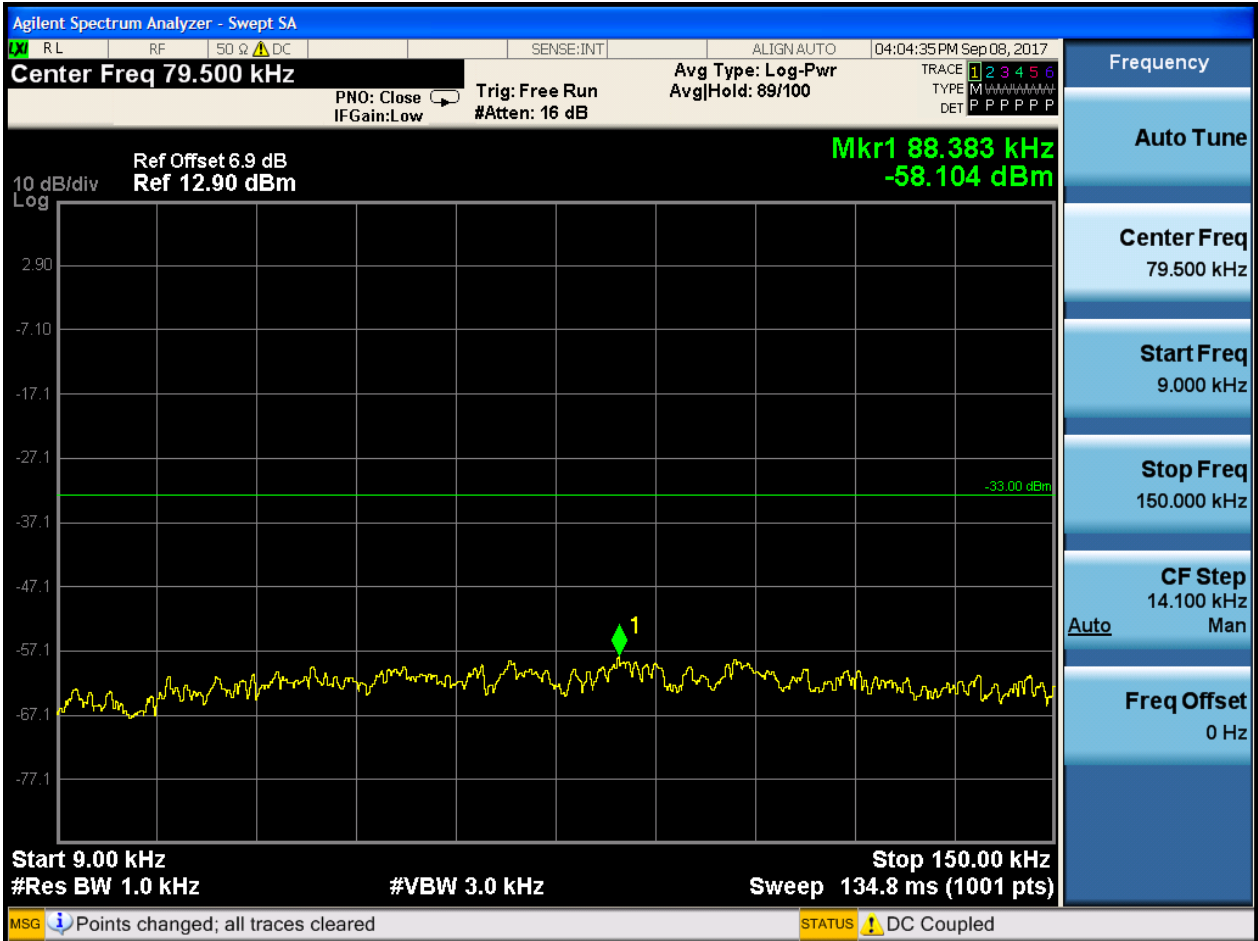


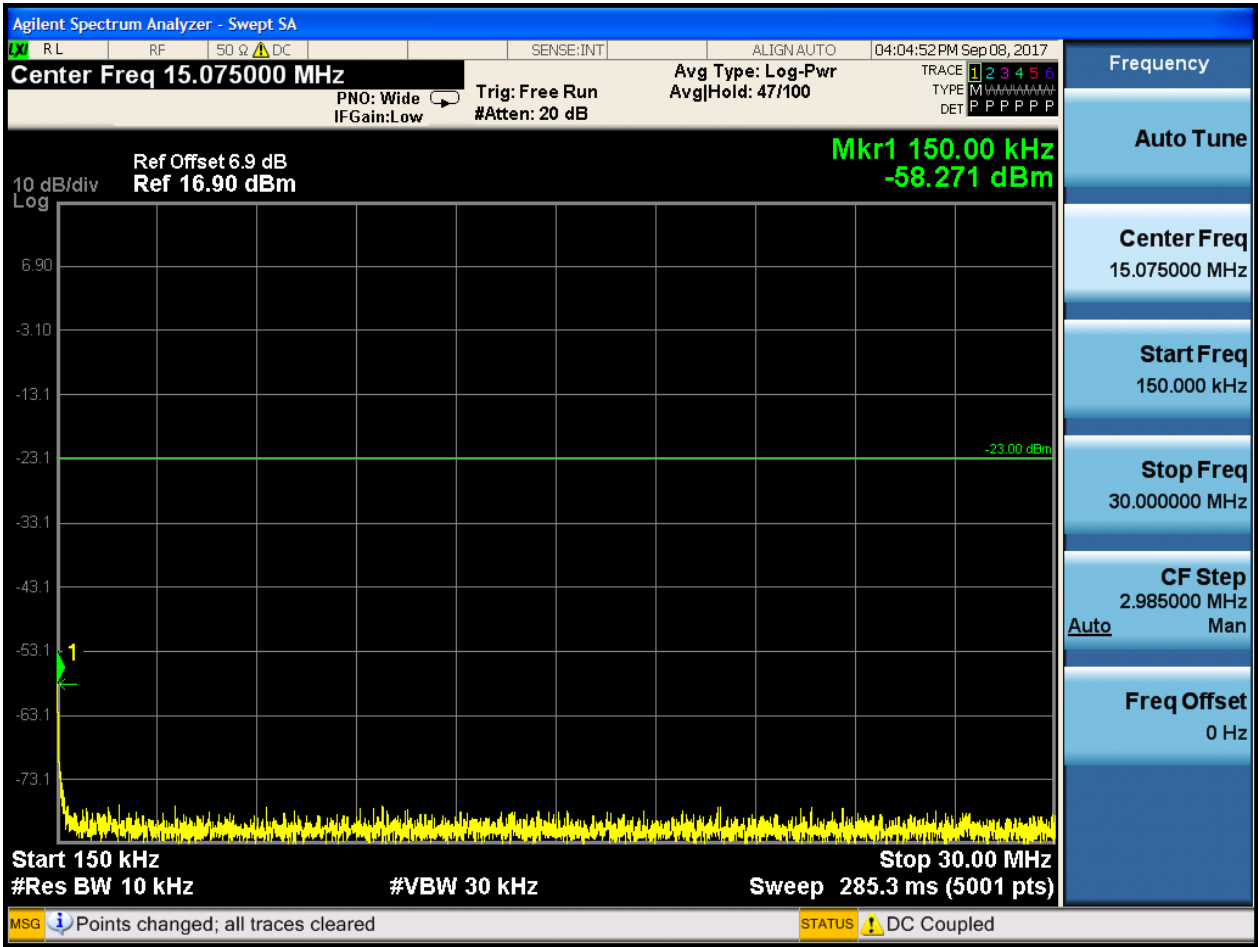


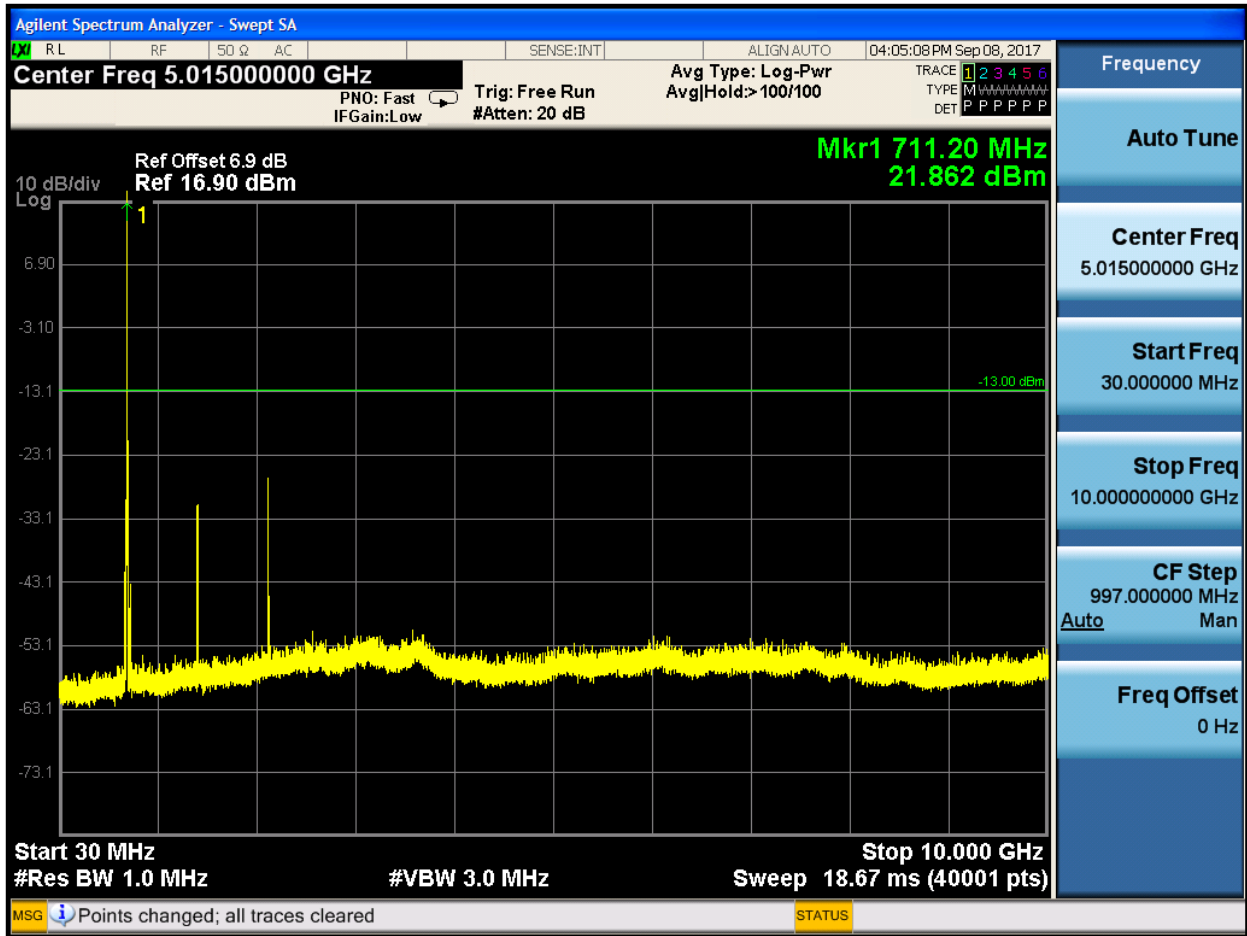


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





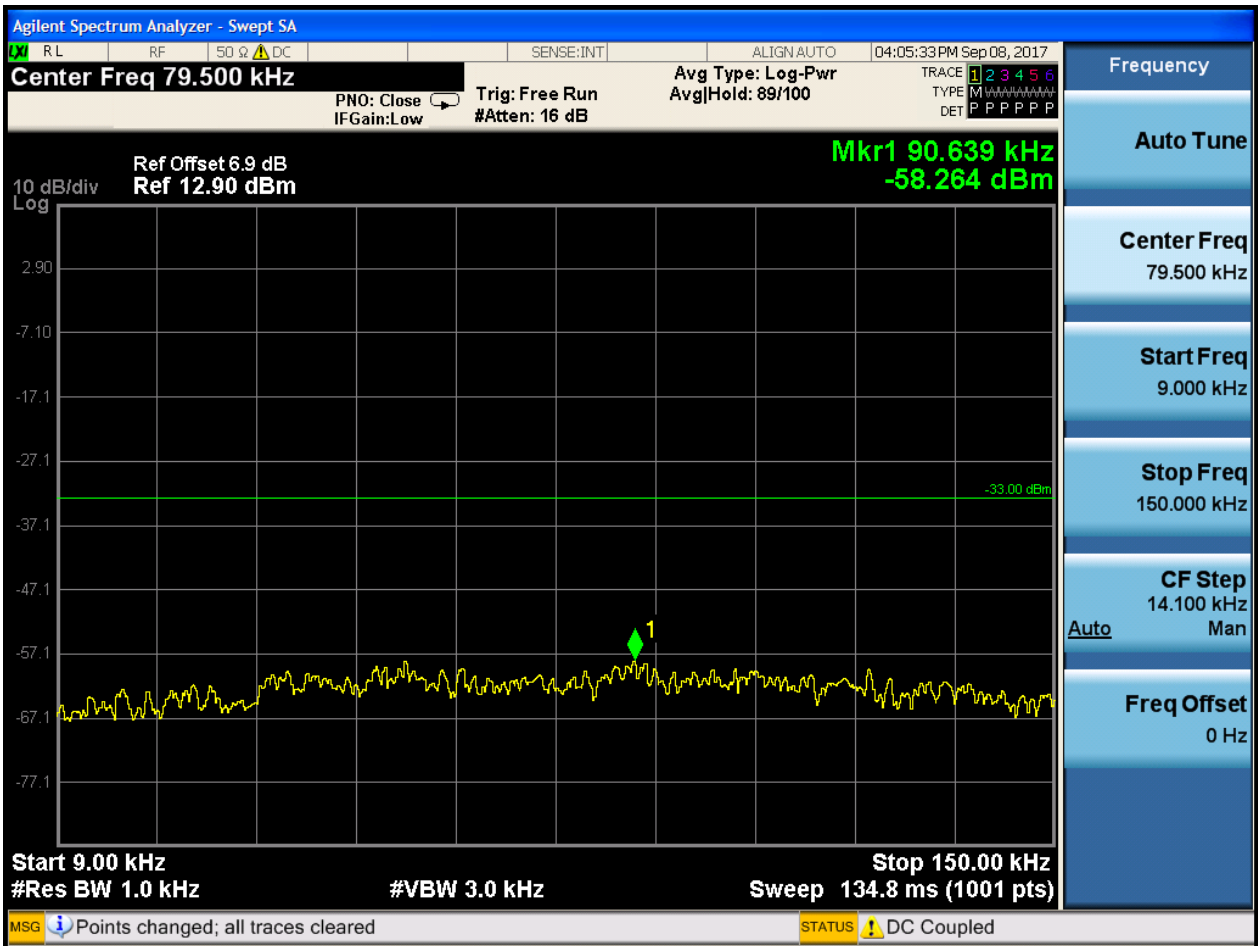


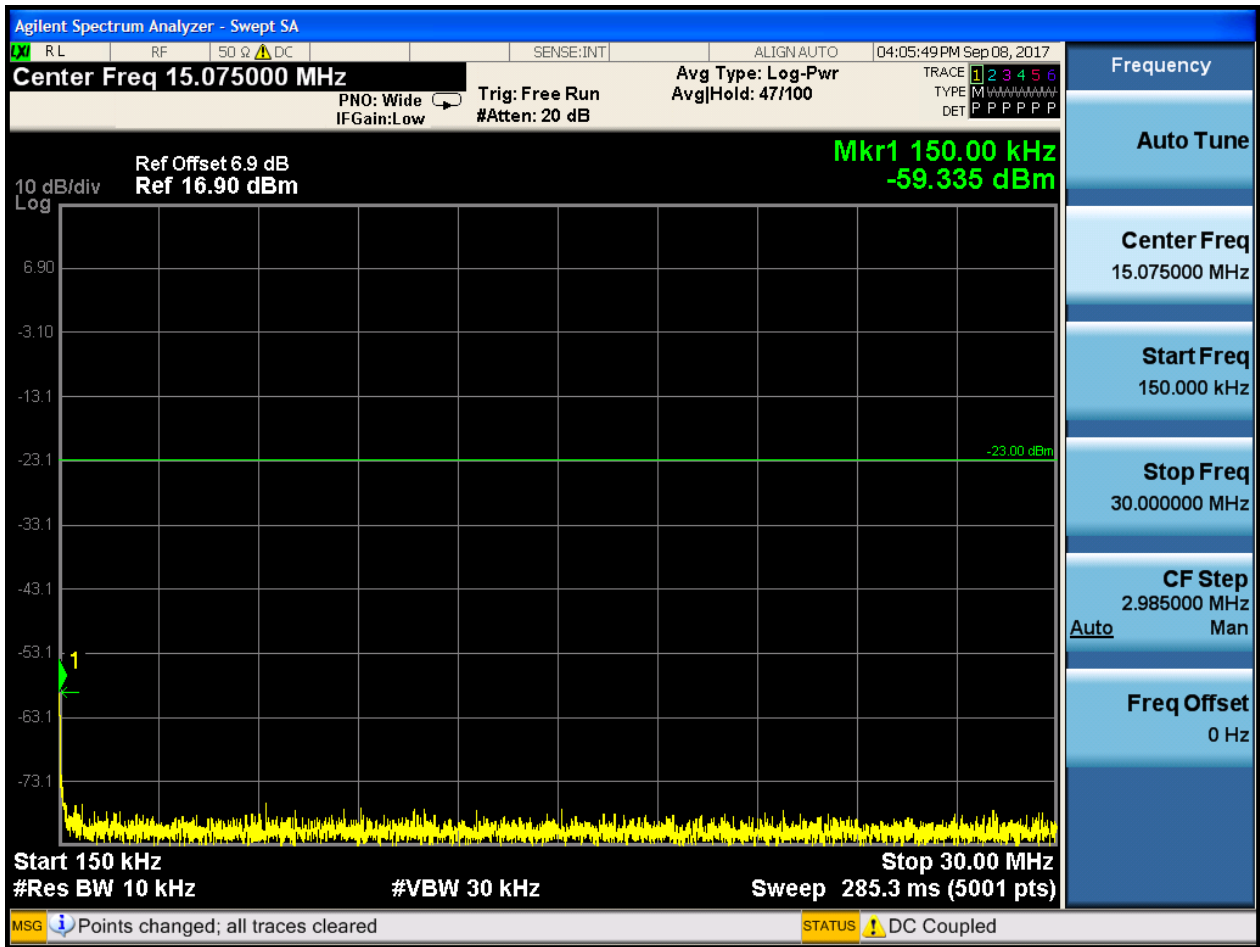


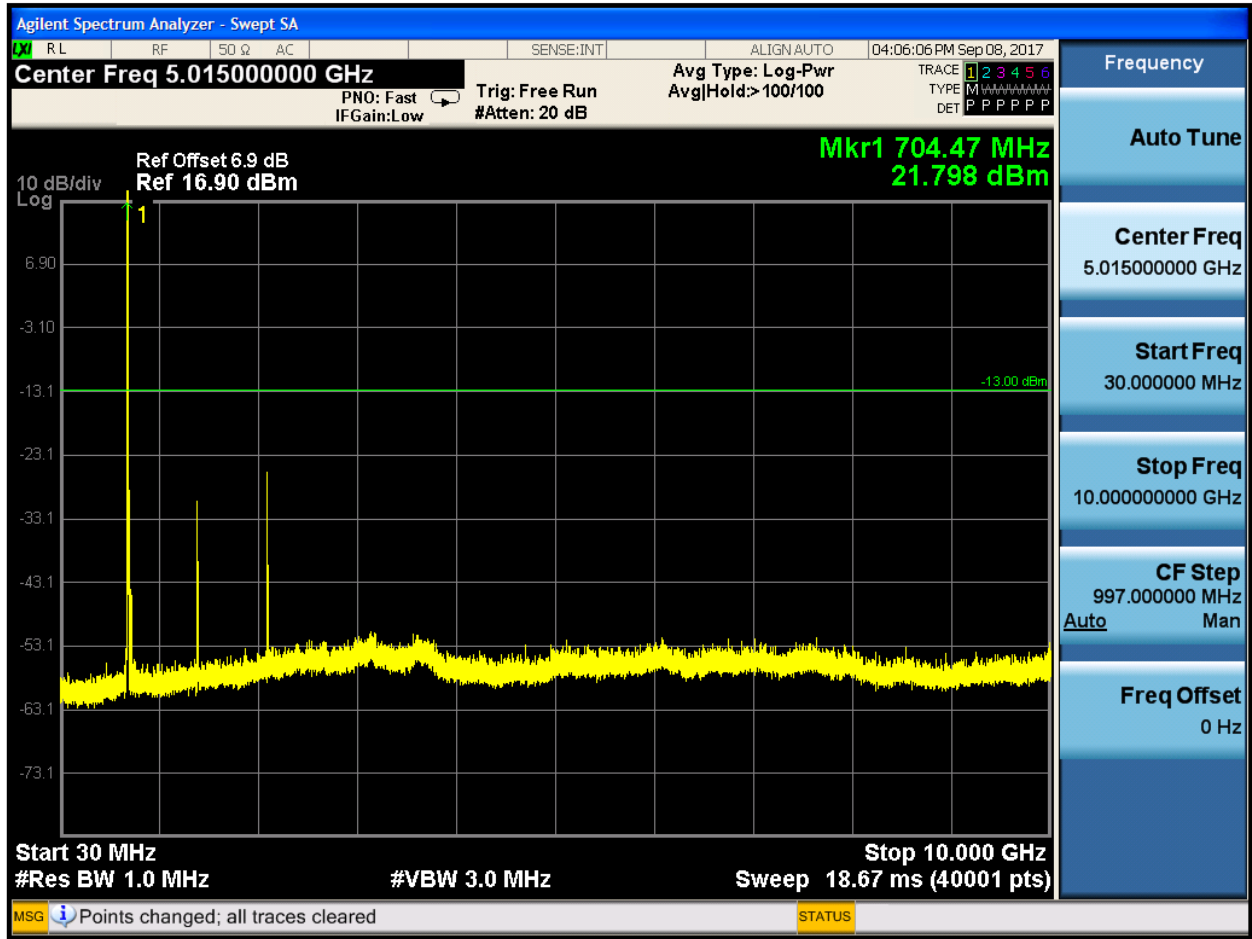
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



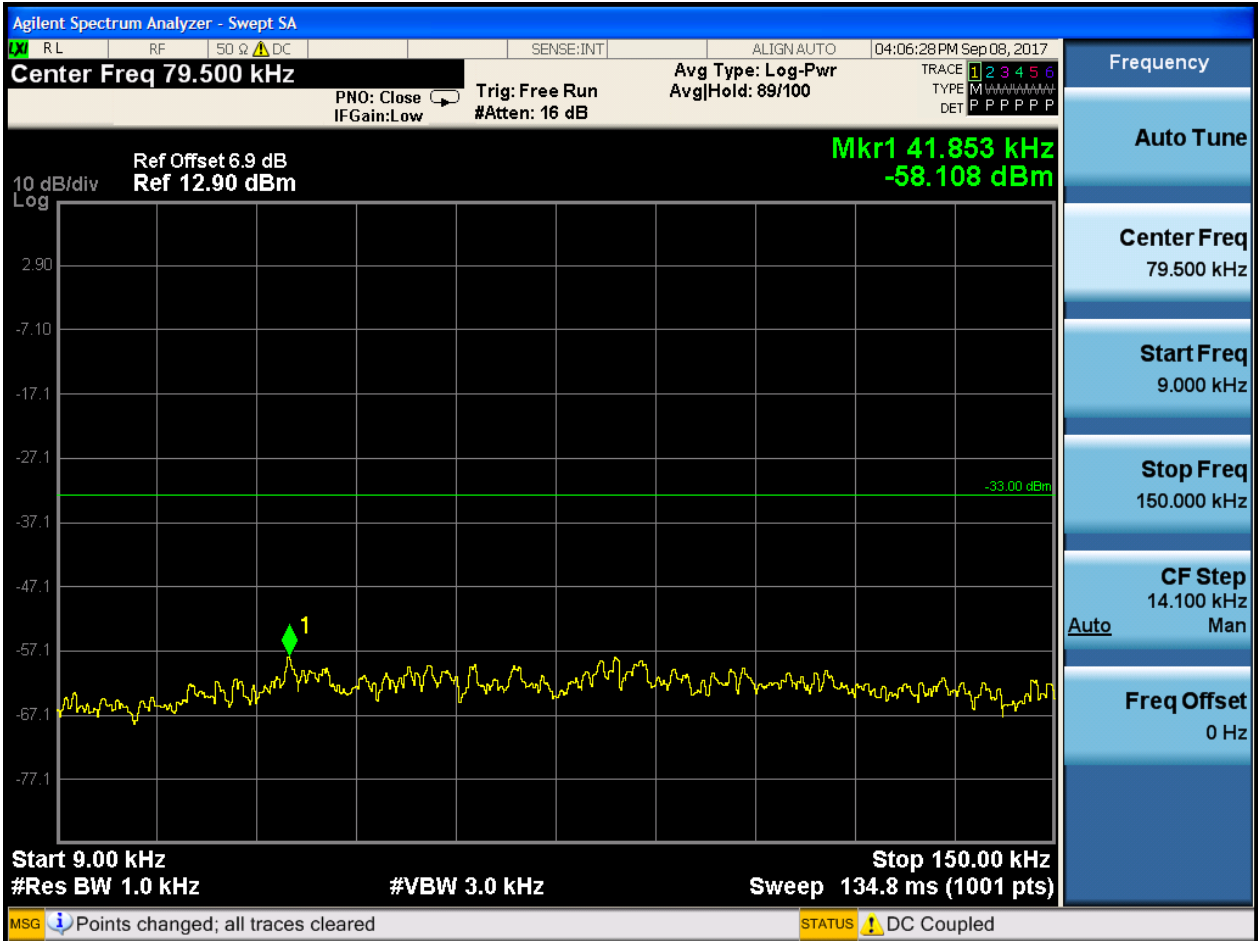


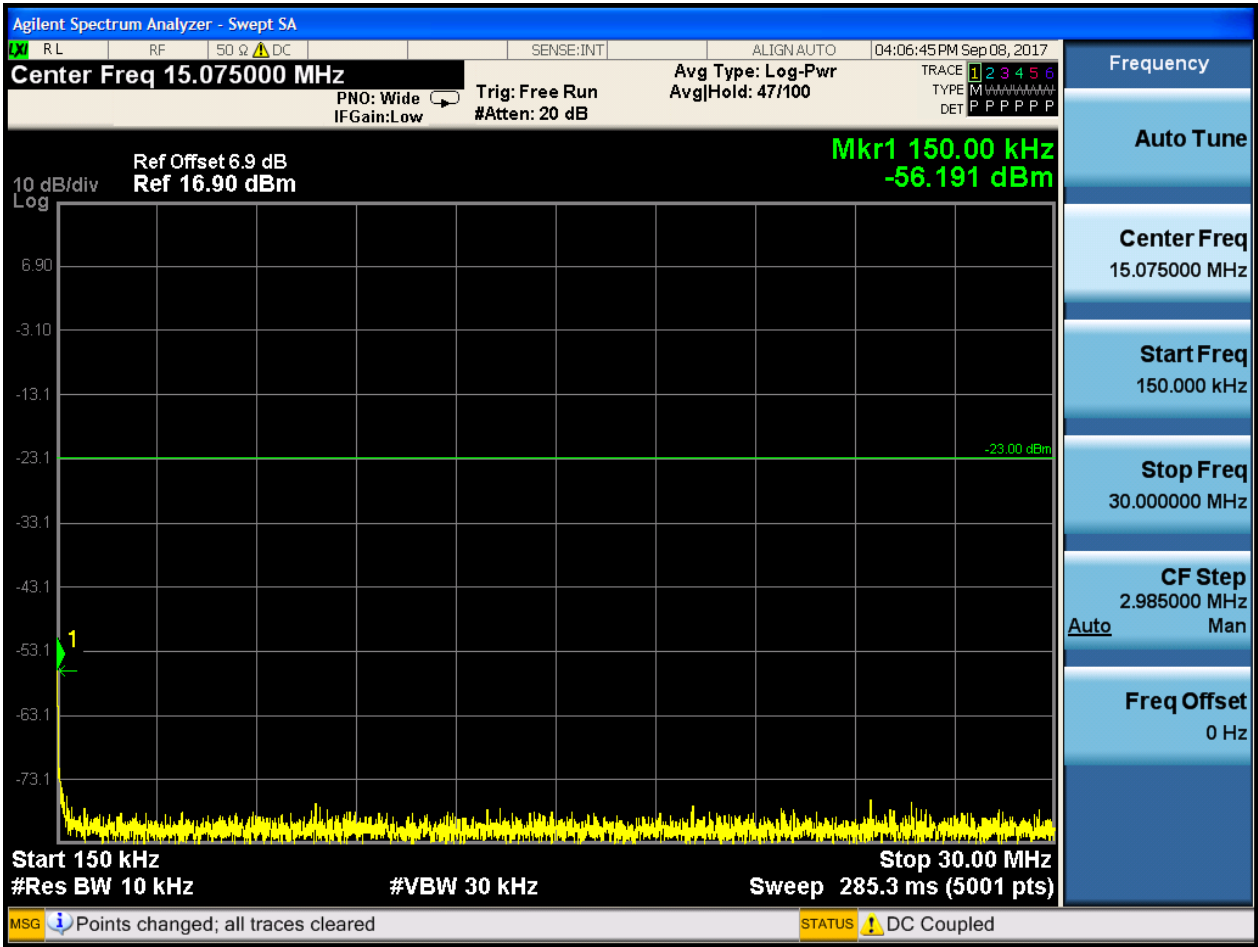


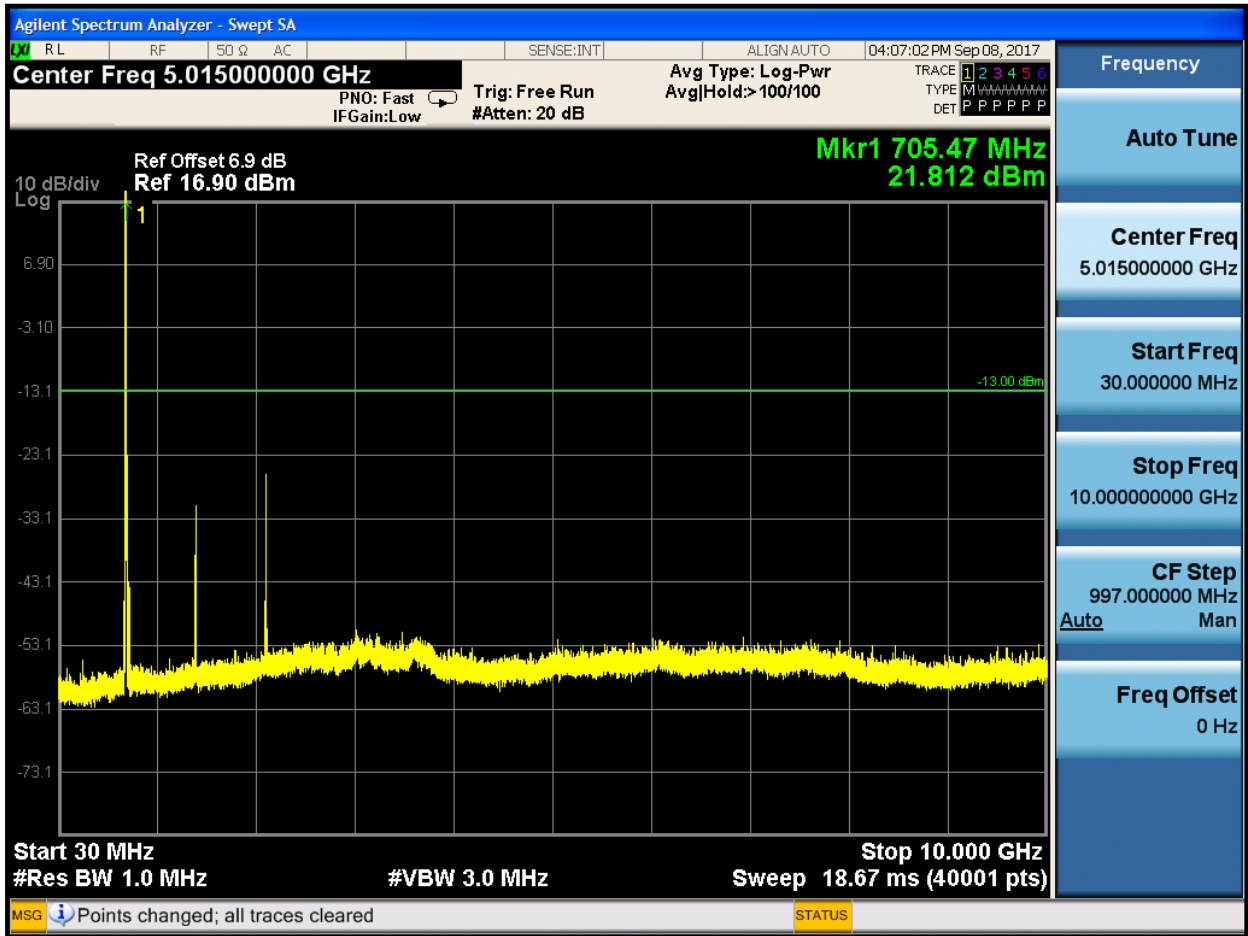


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



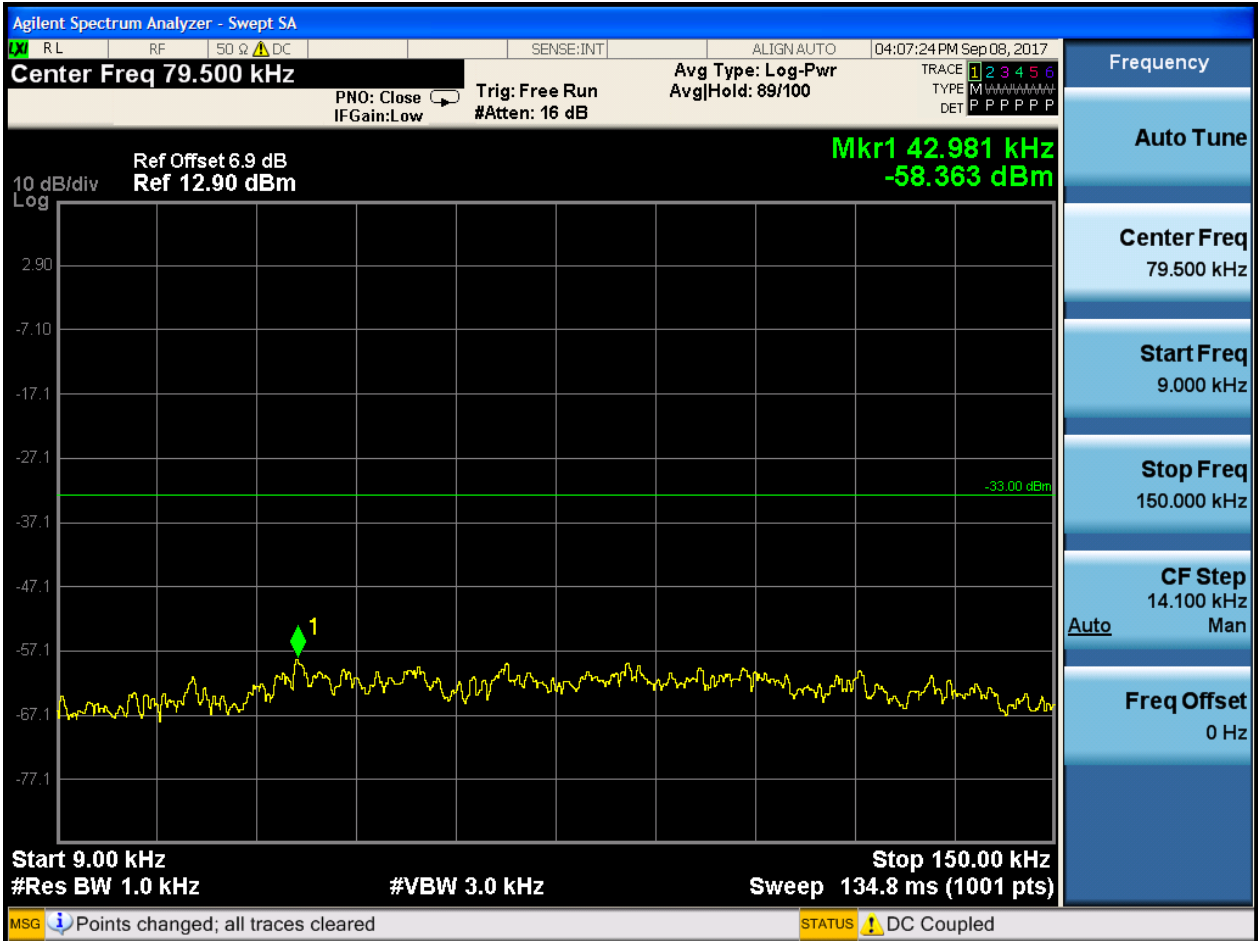


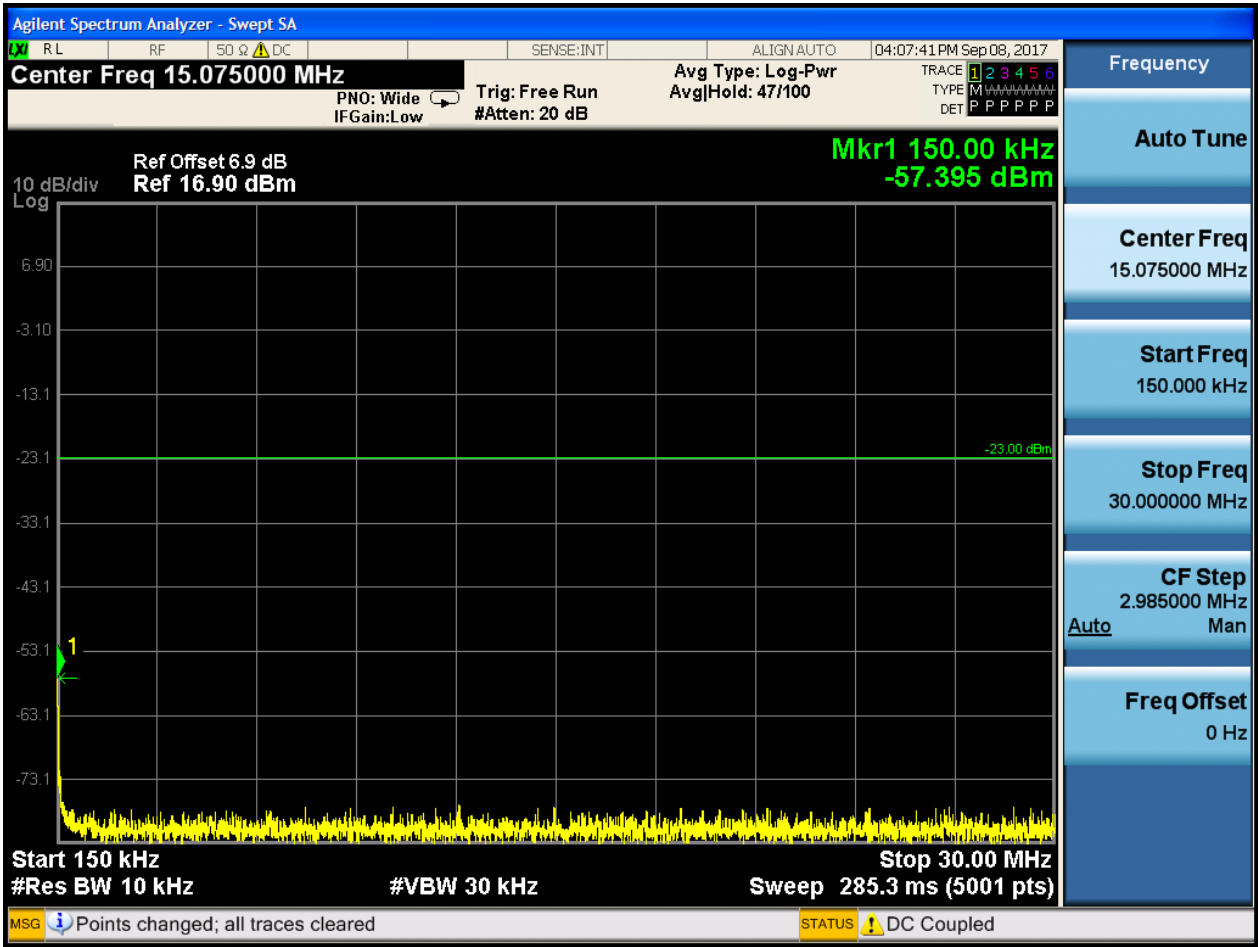


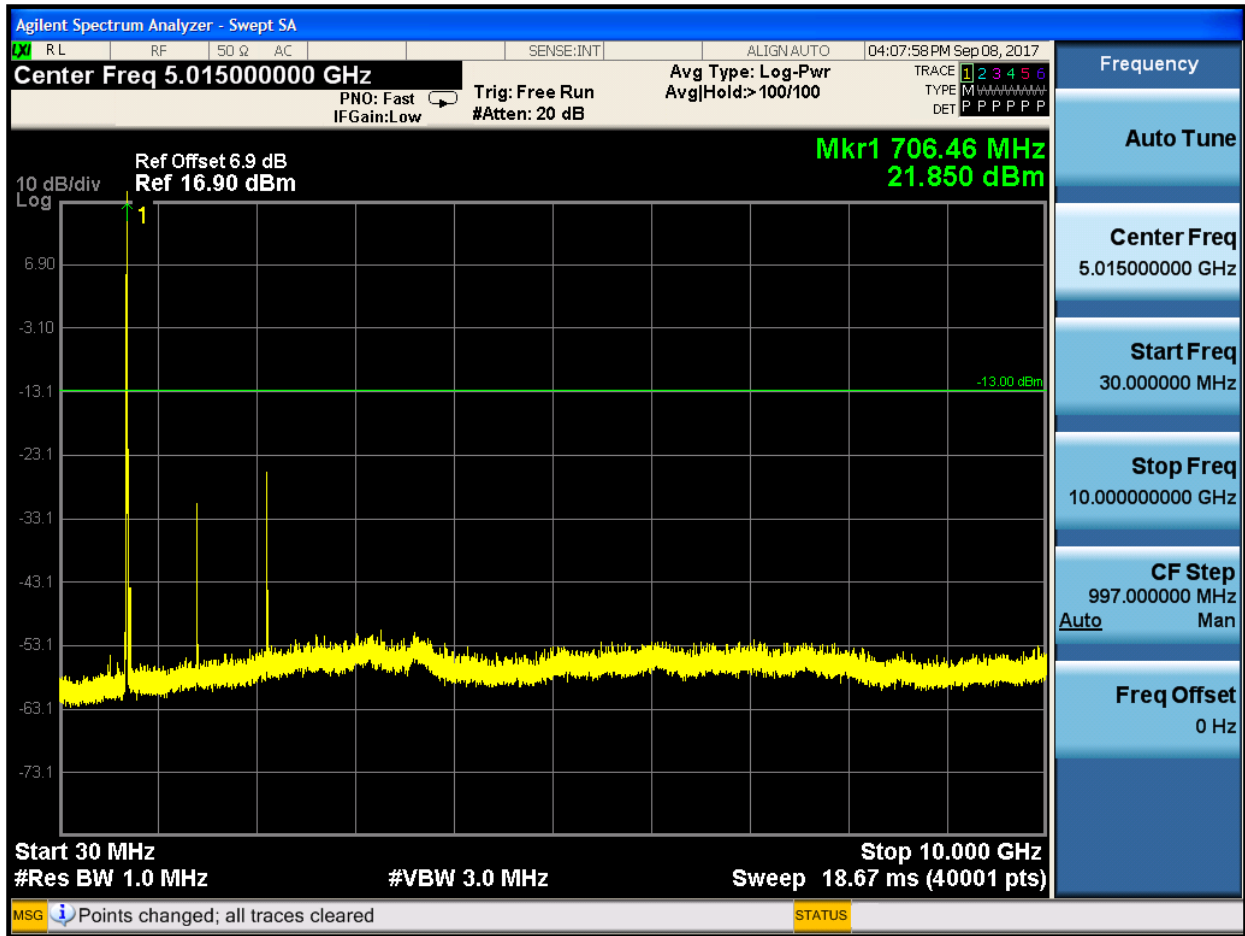


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







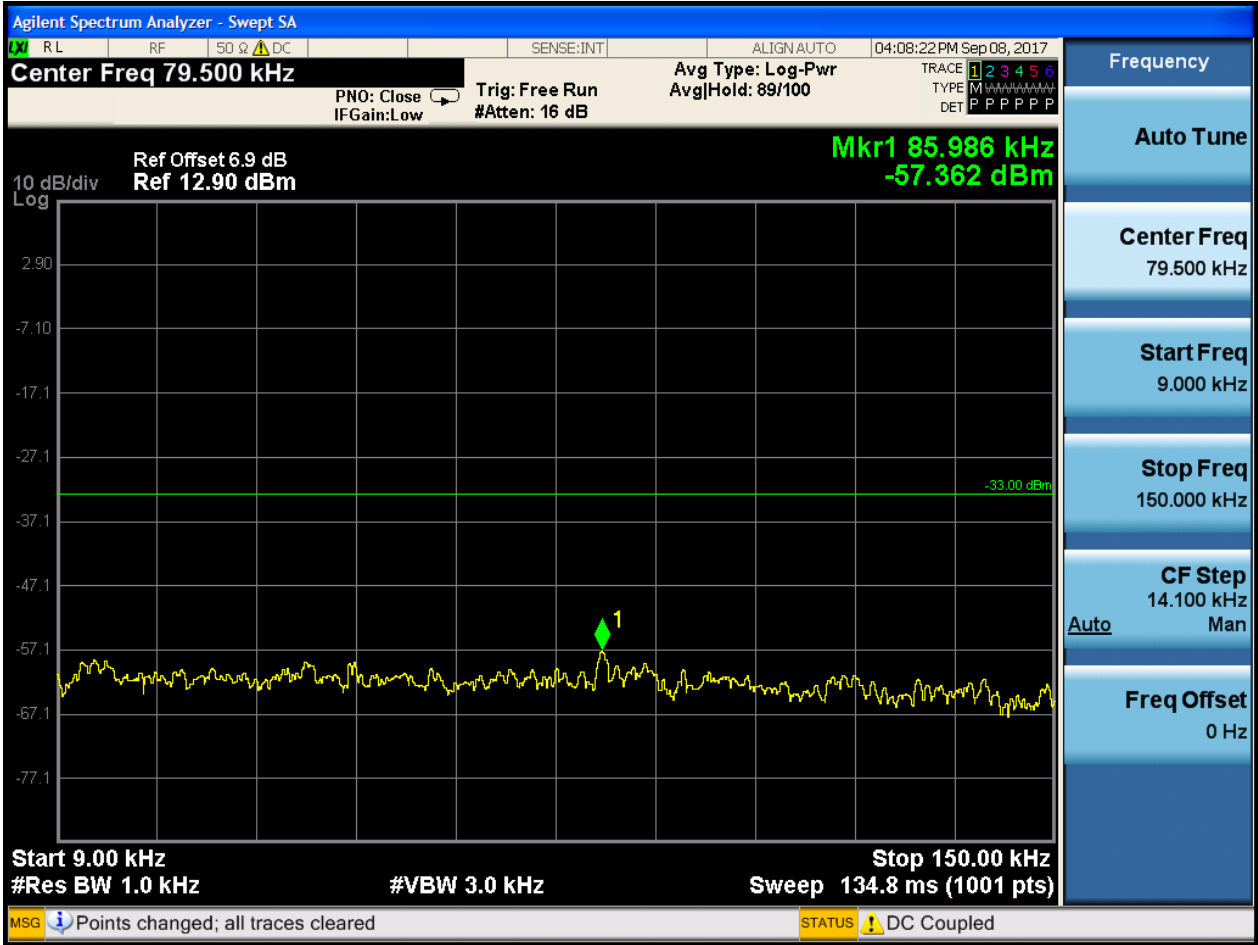


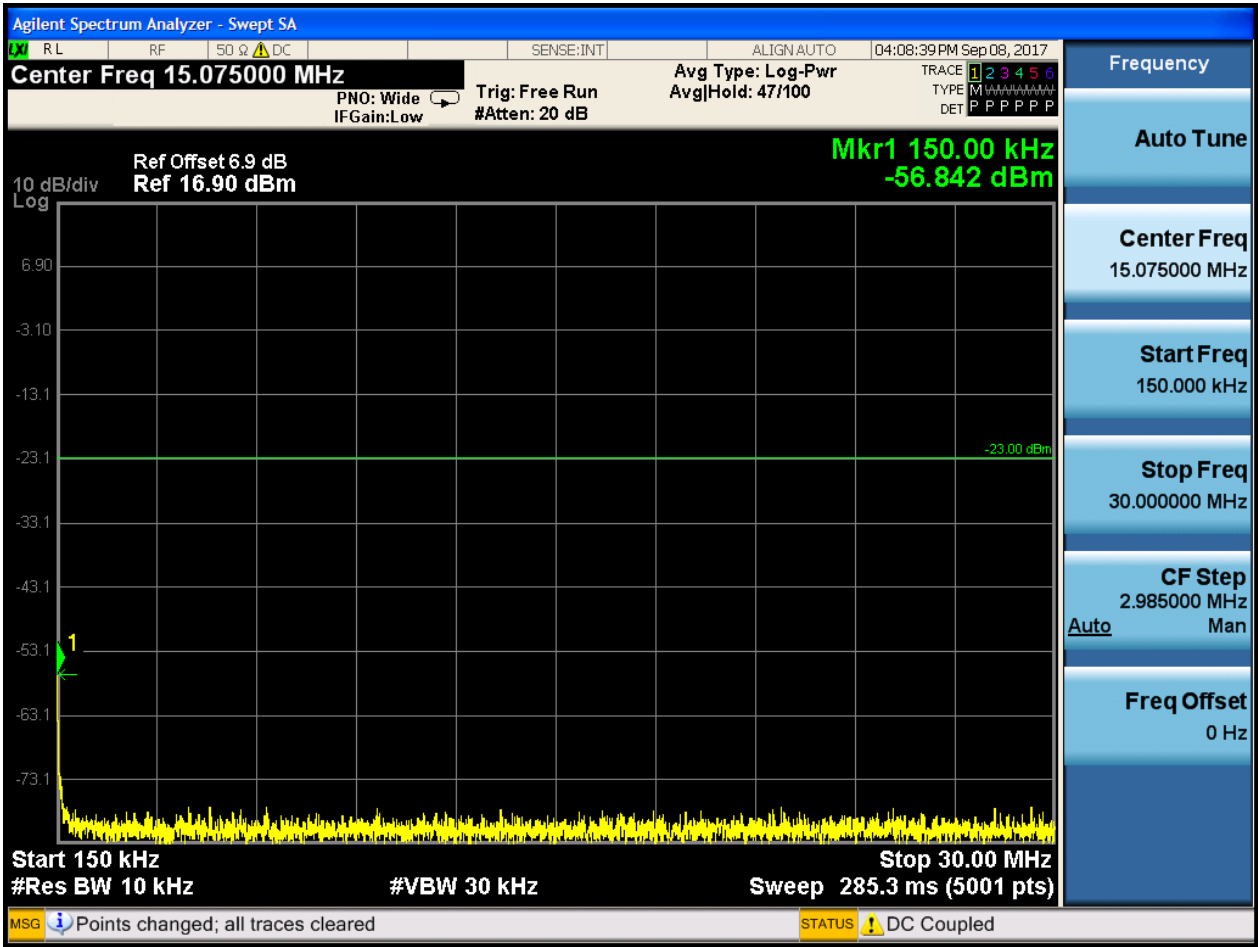
6.1.1.2 Test Mode = LTE/TM2

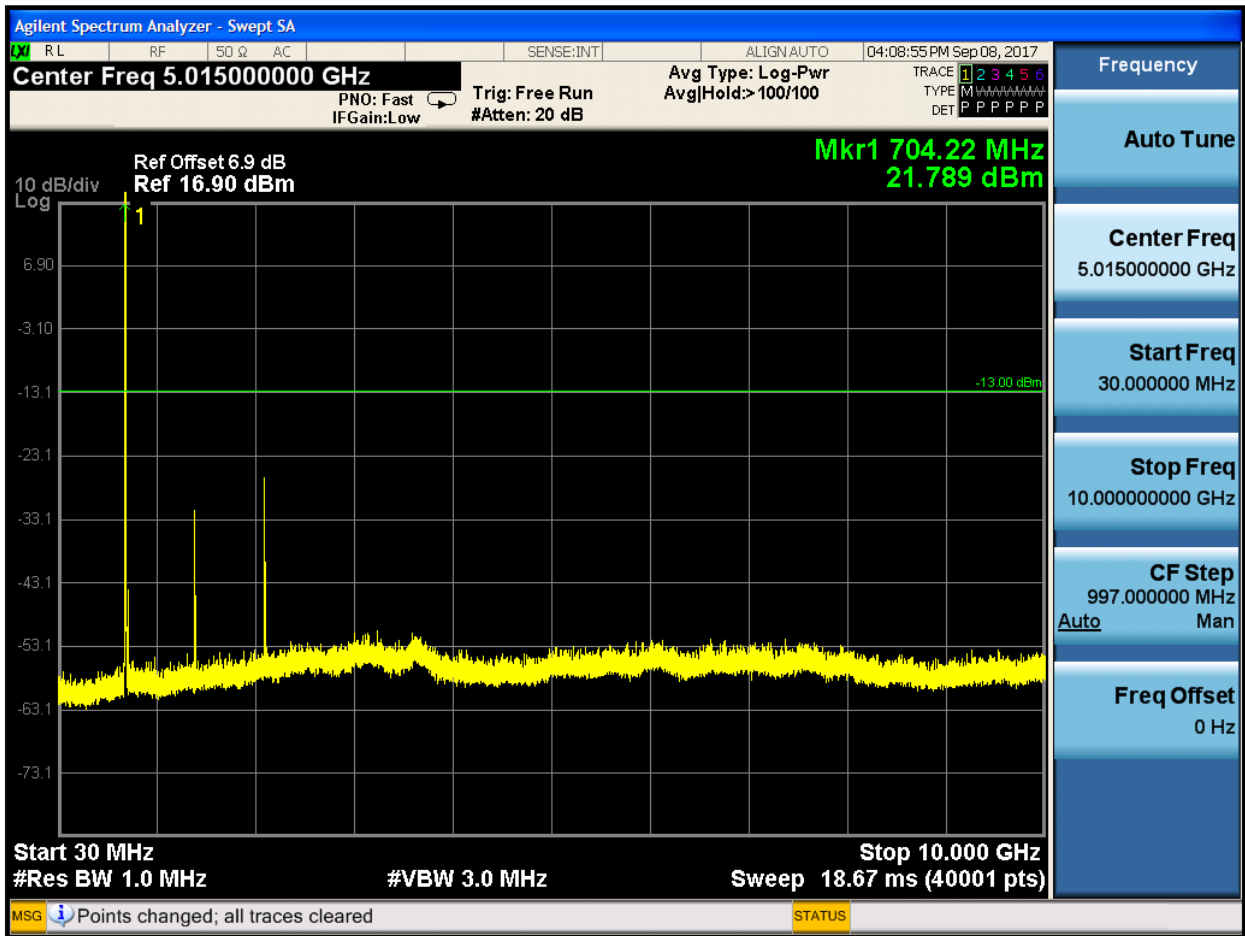
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

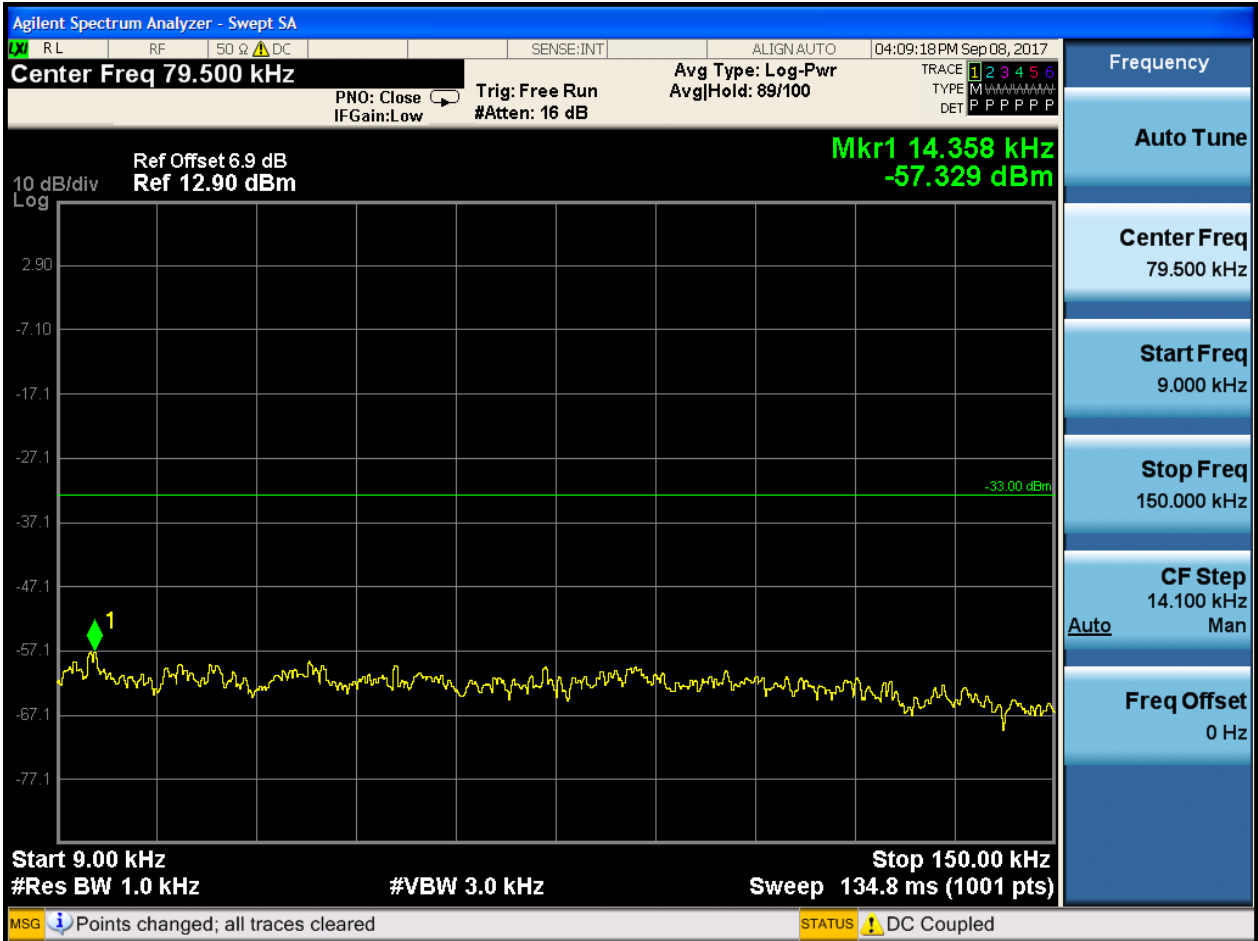


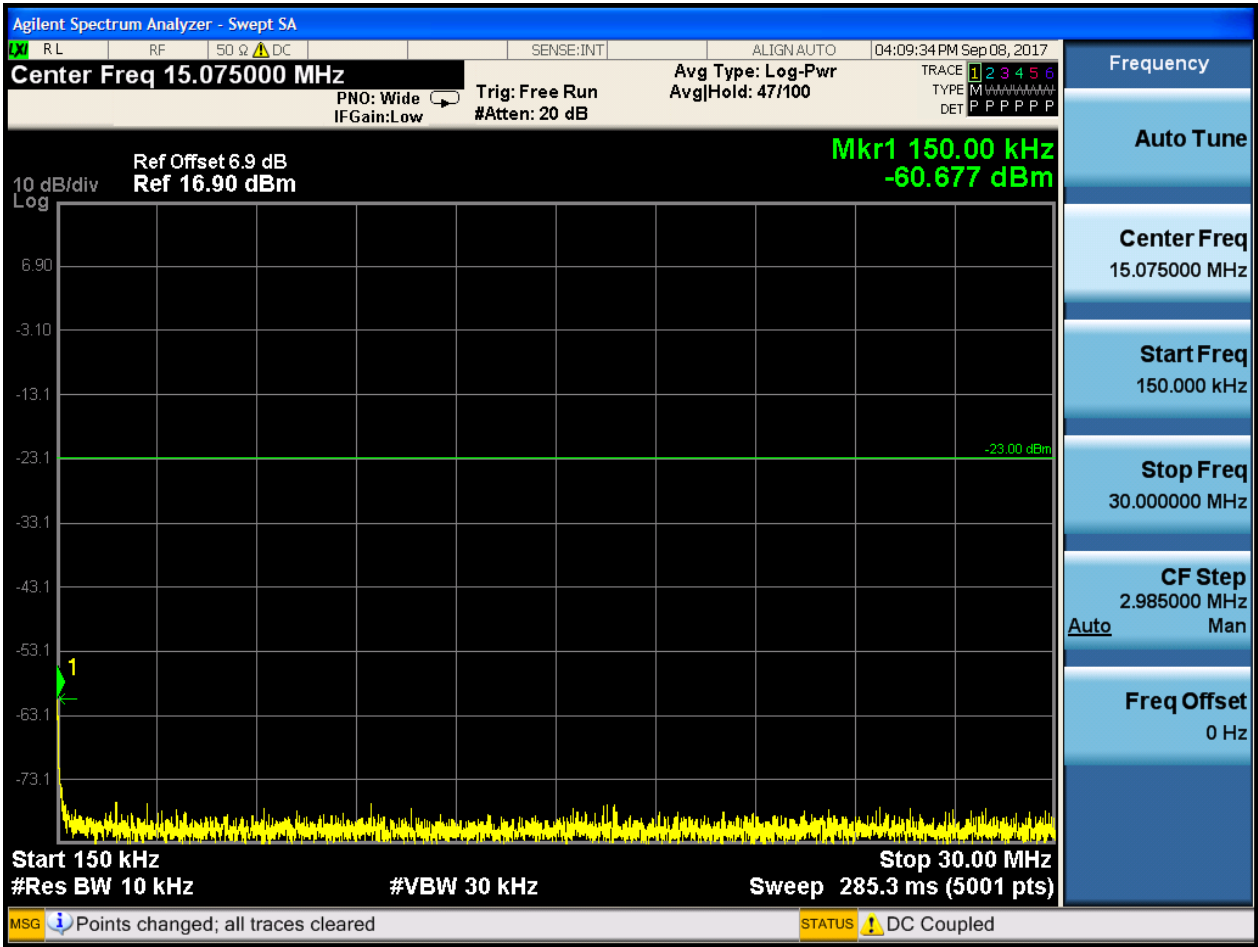


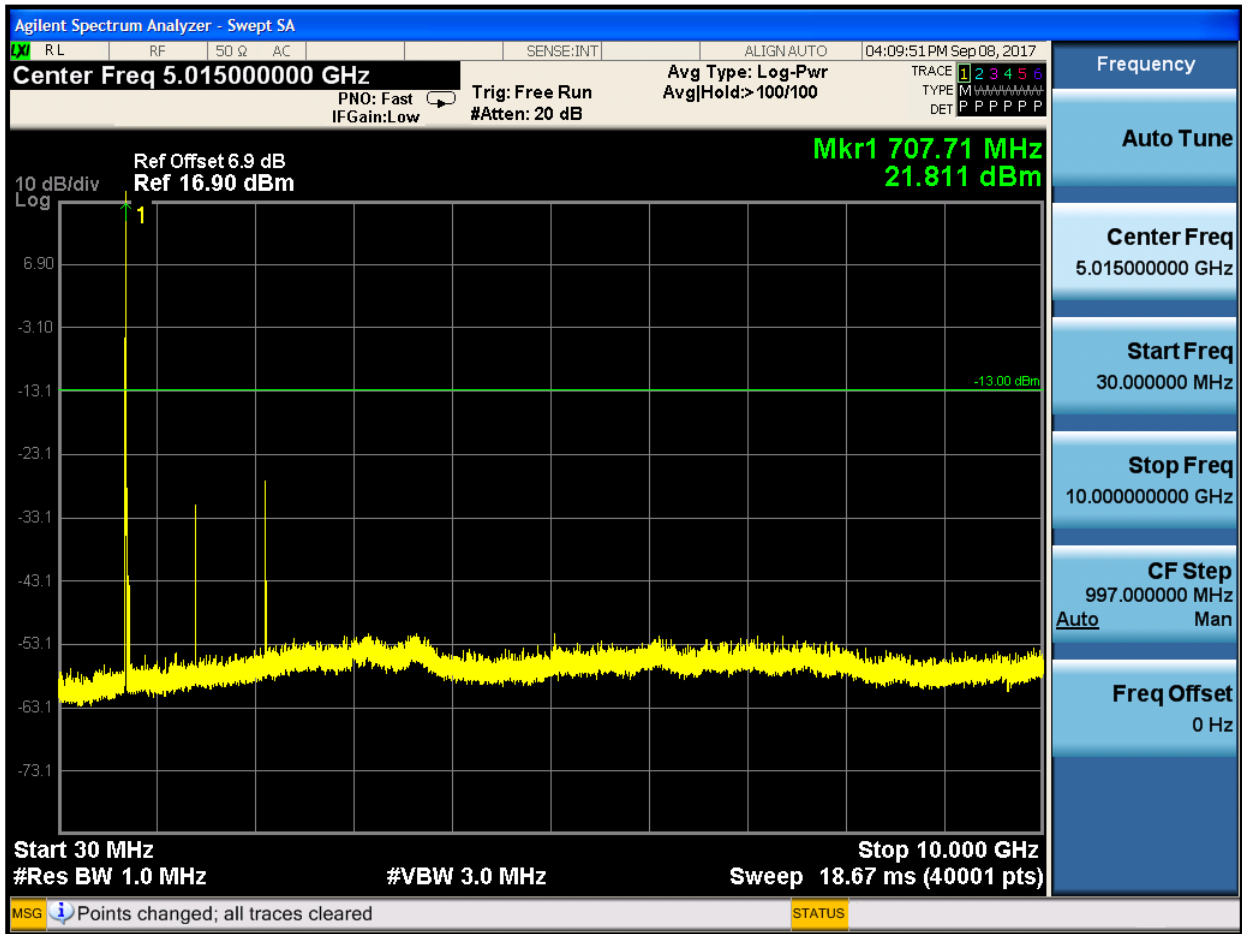


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



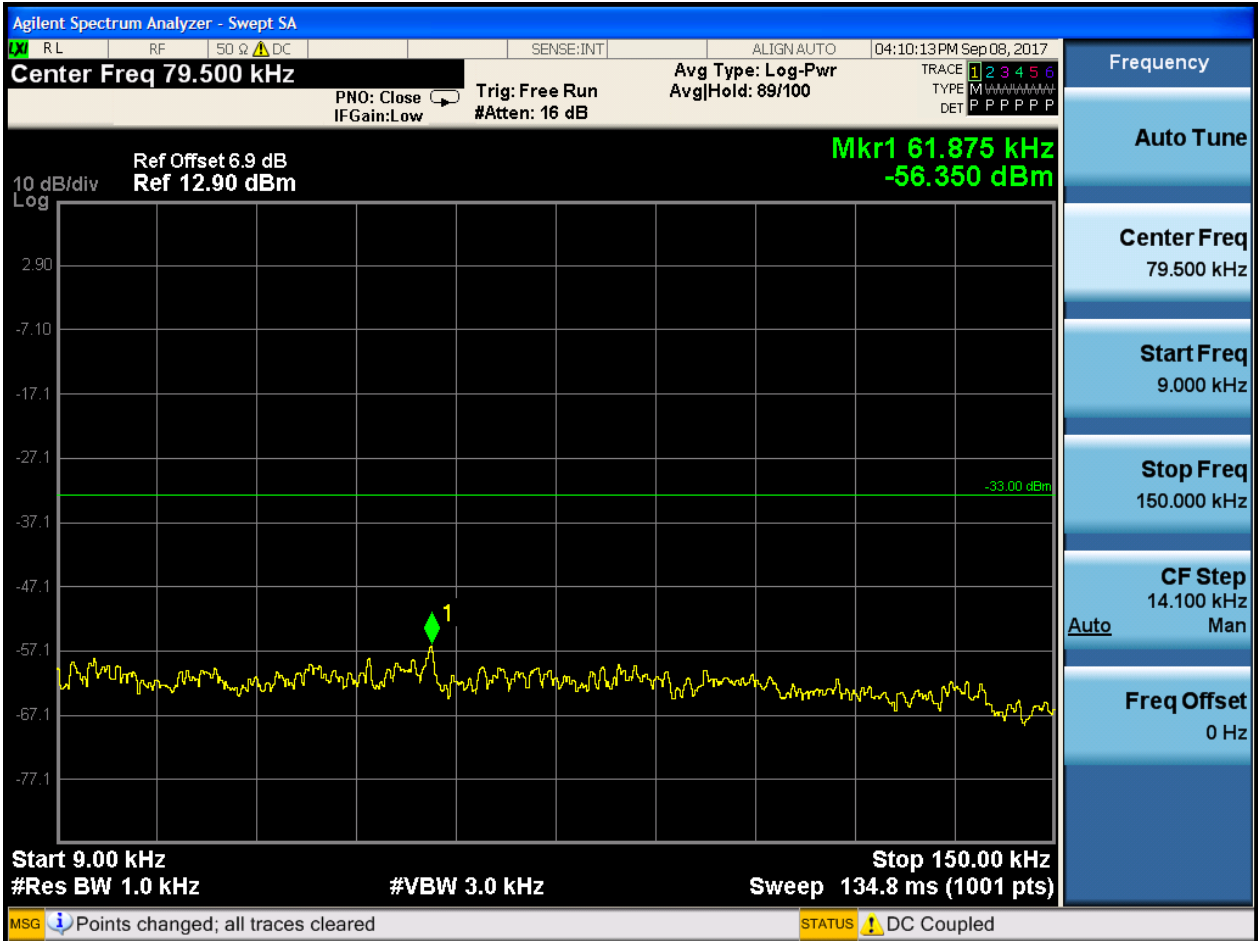




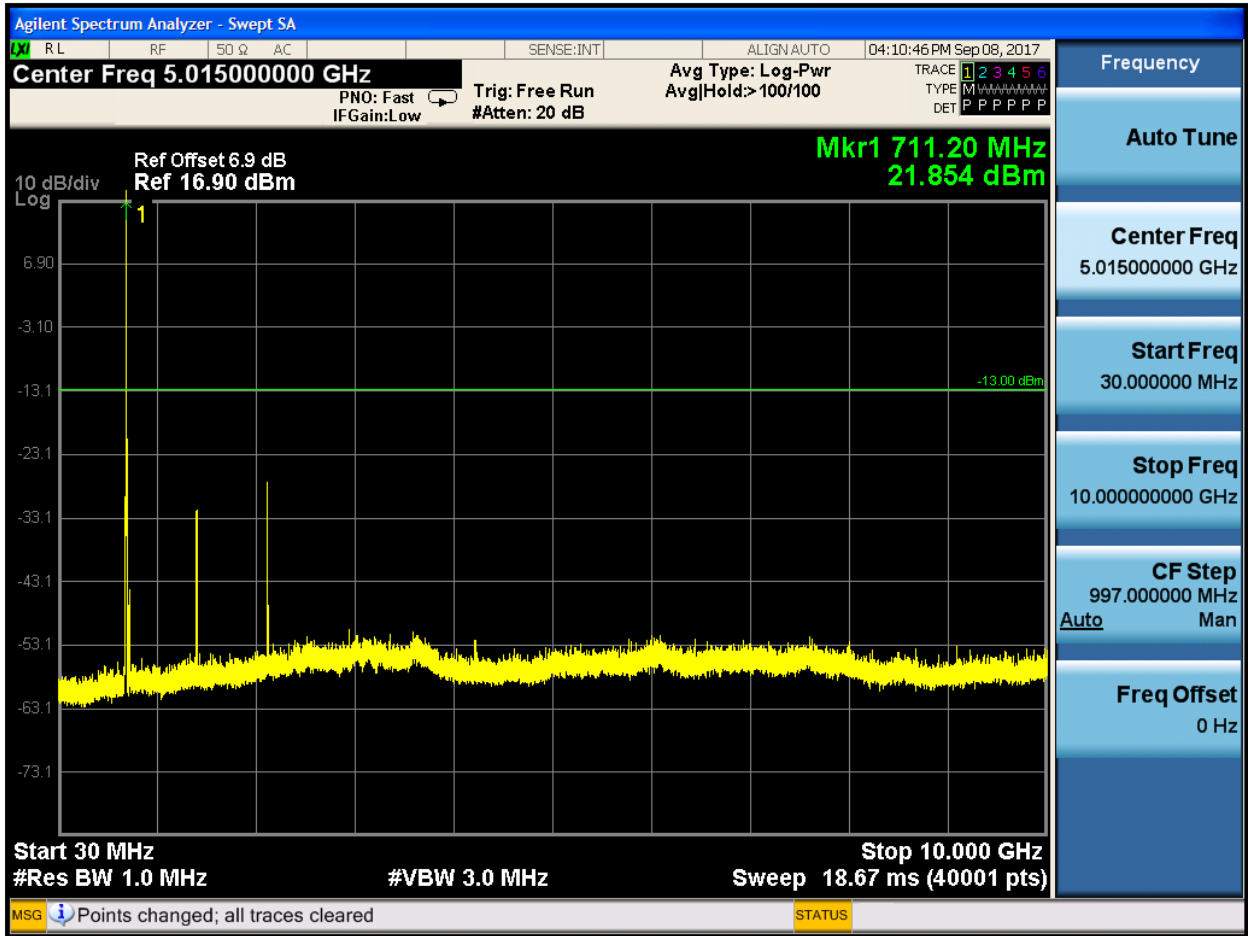


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





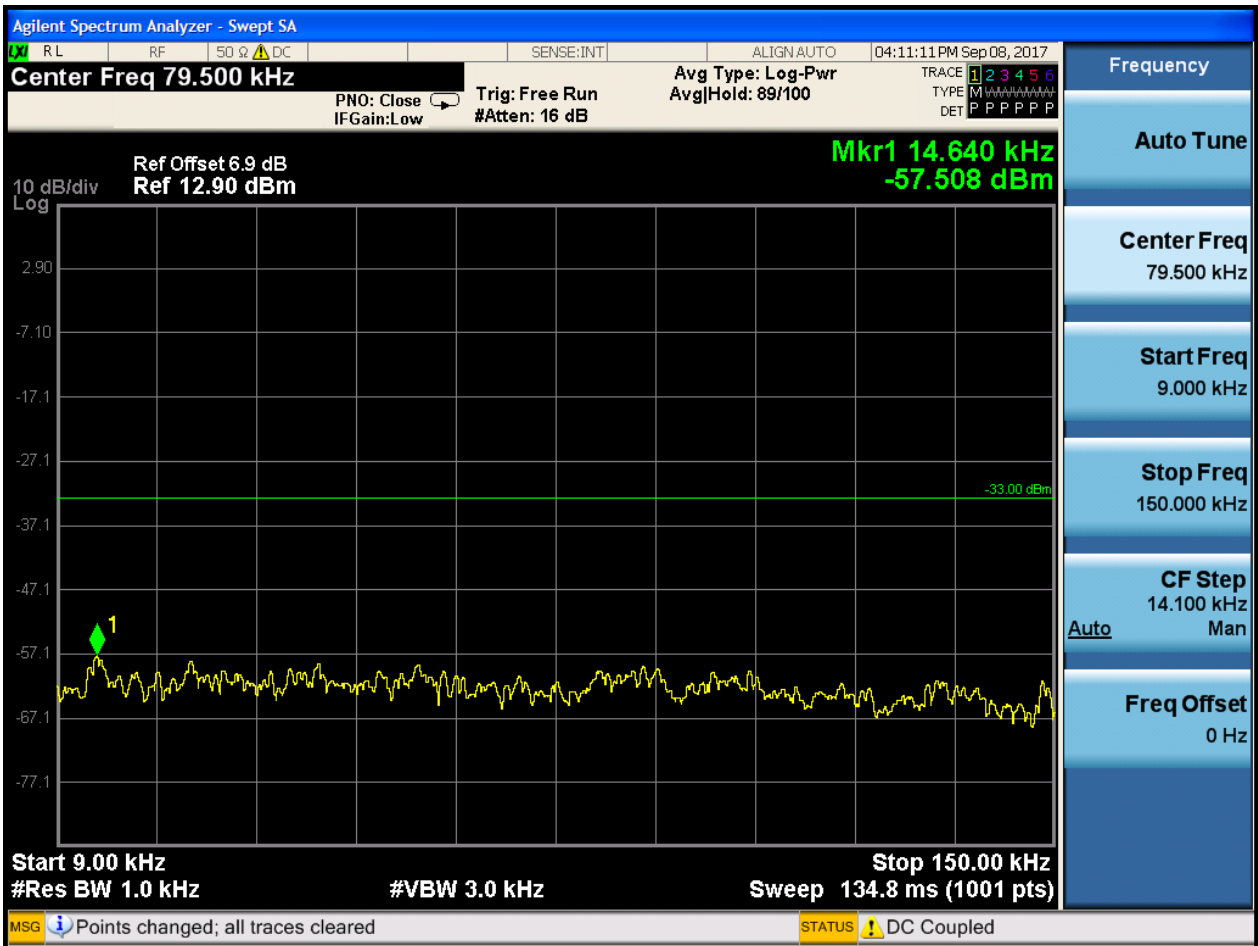


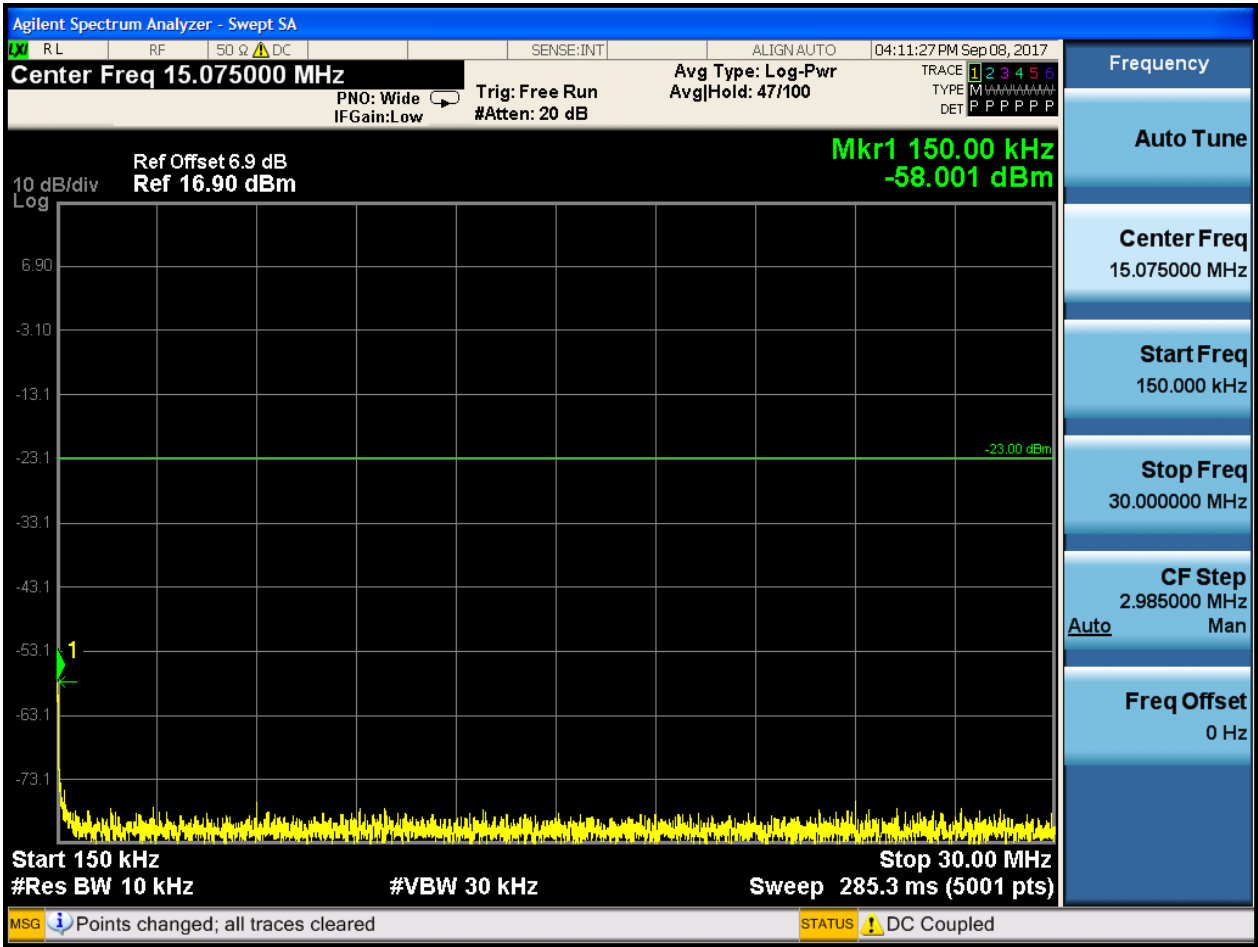


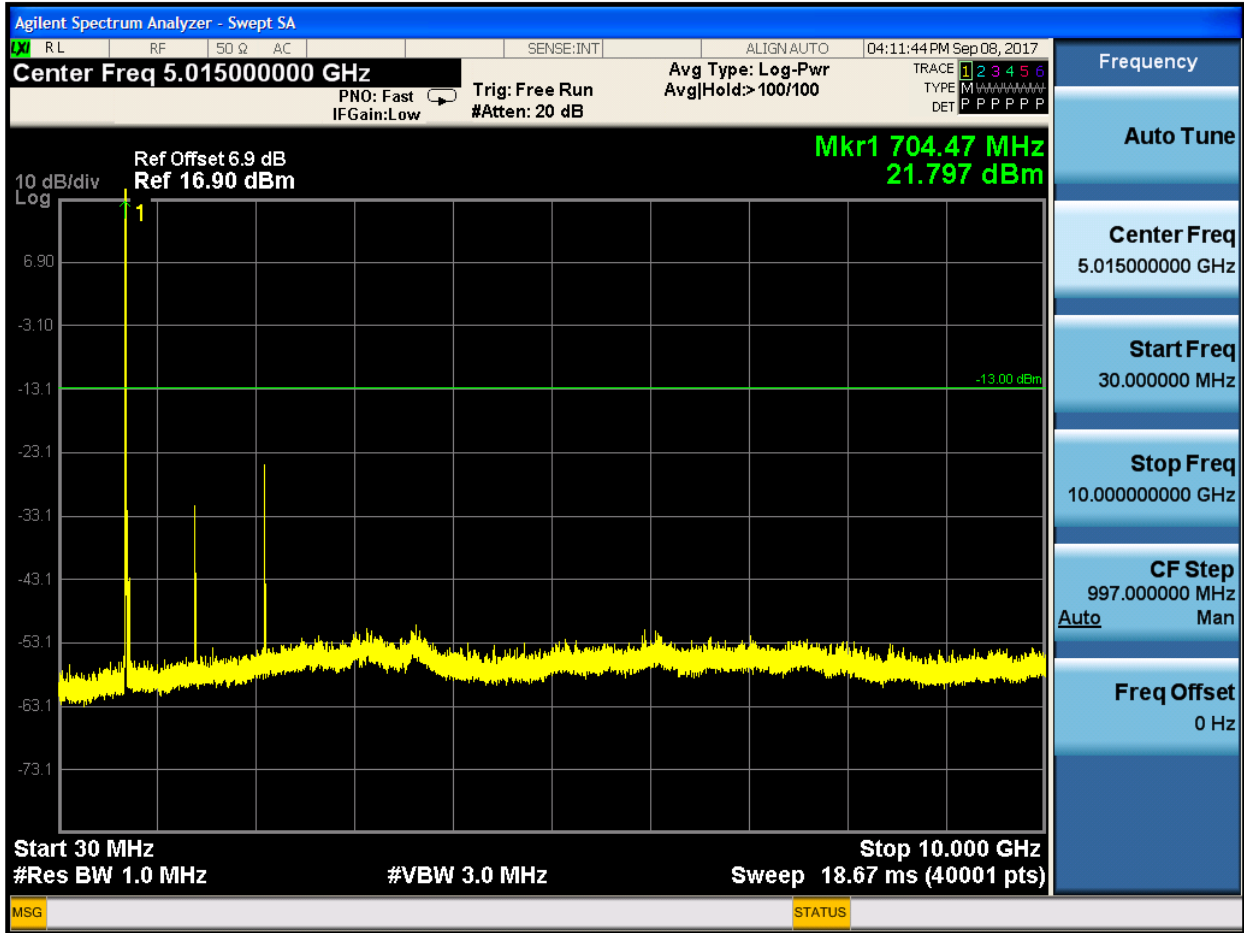
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



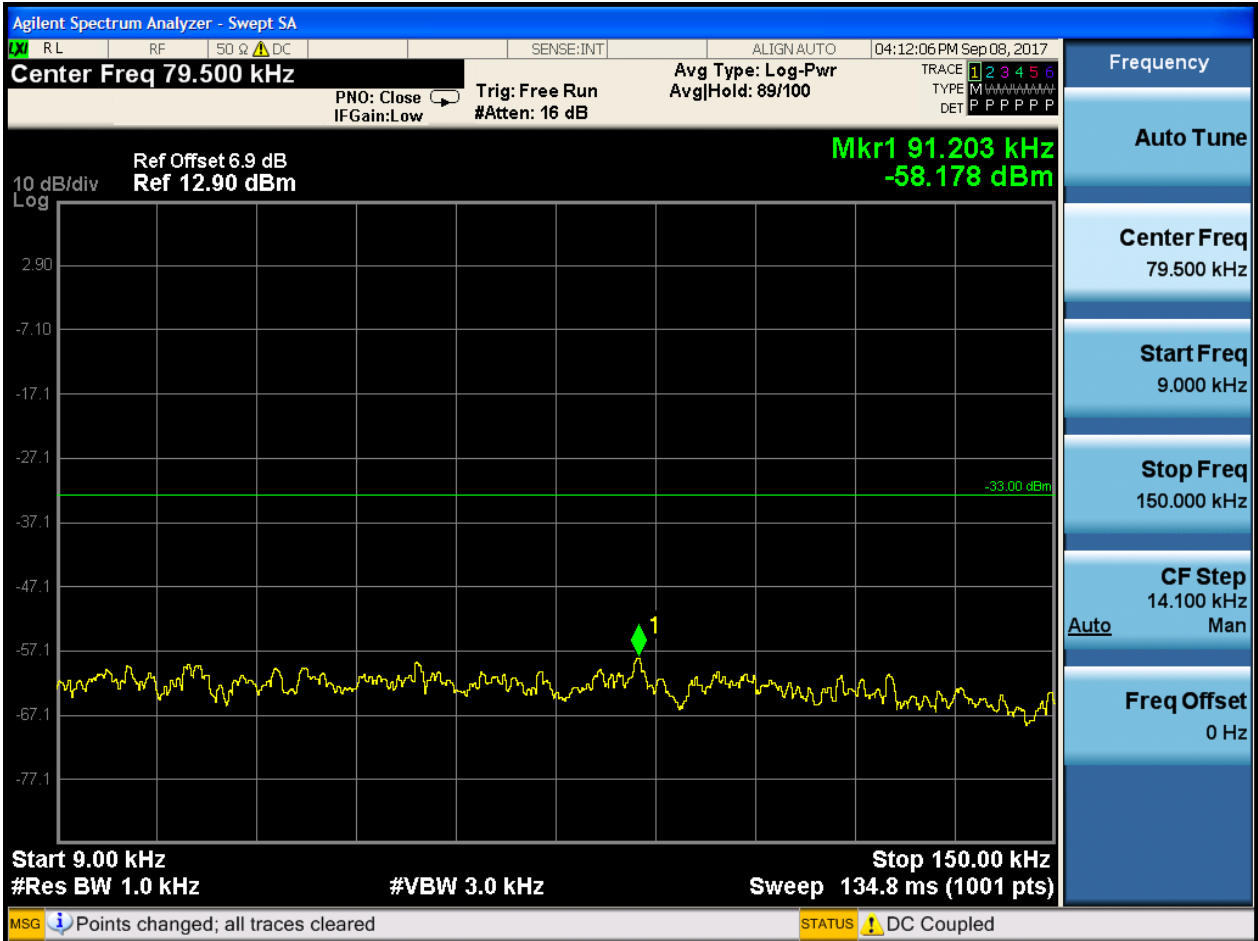


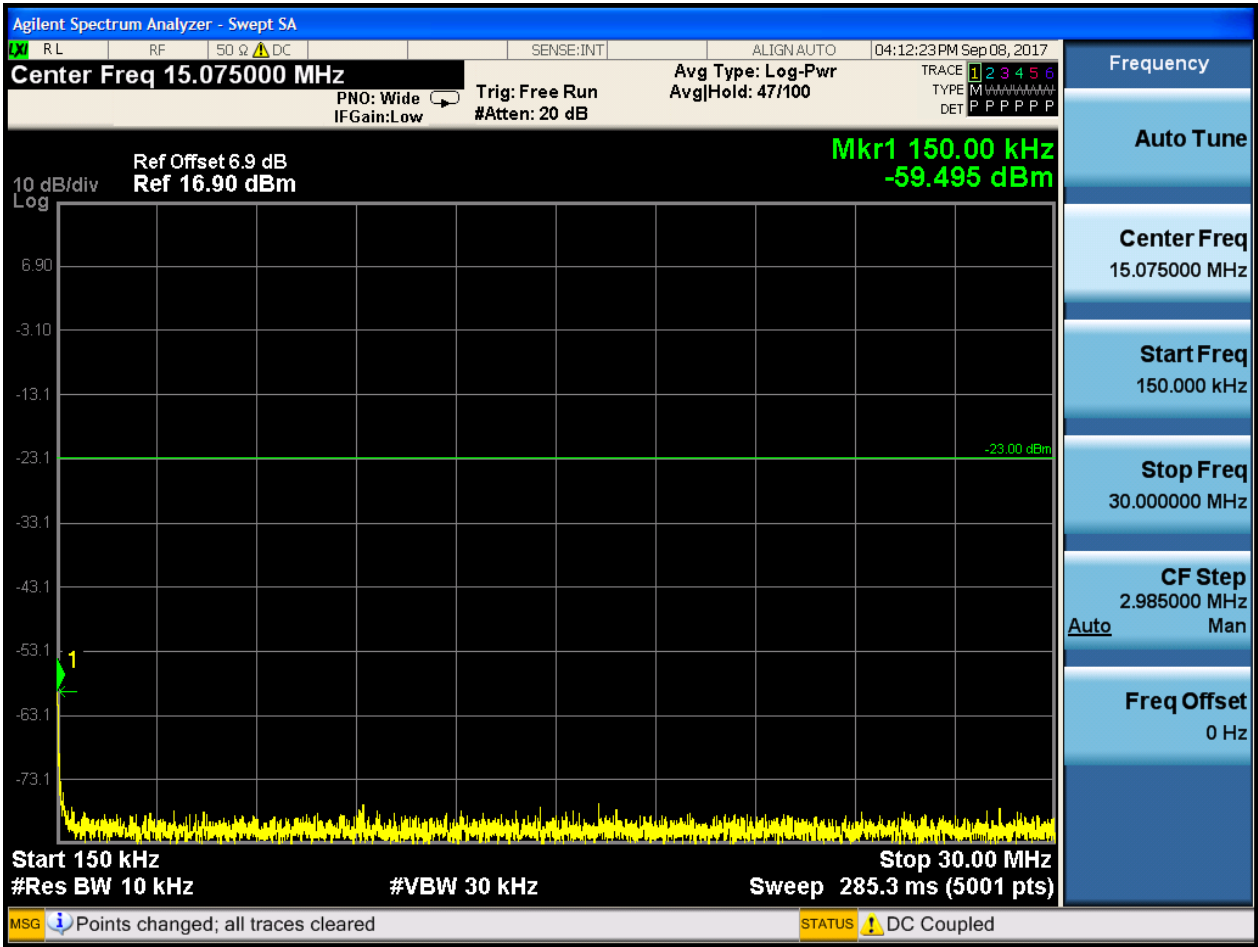


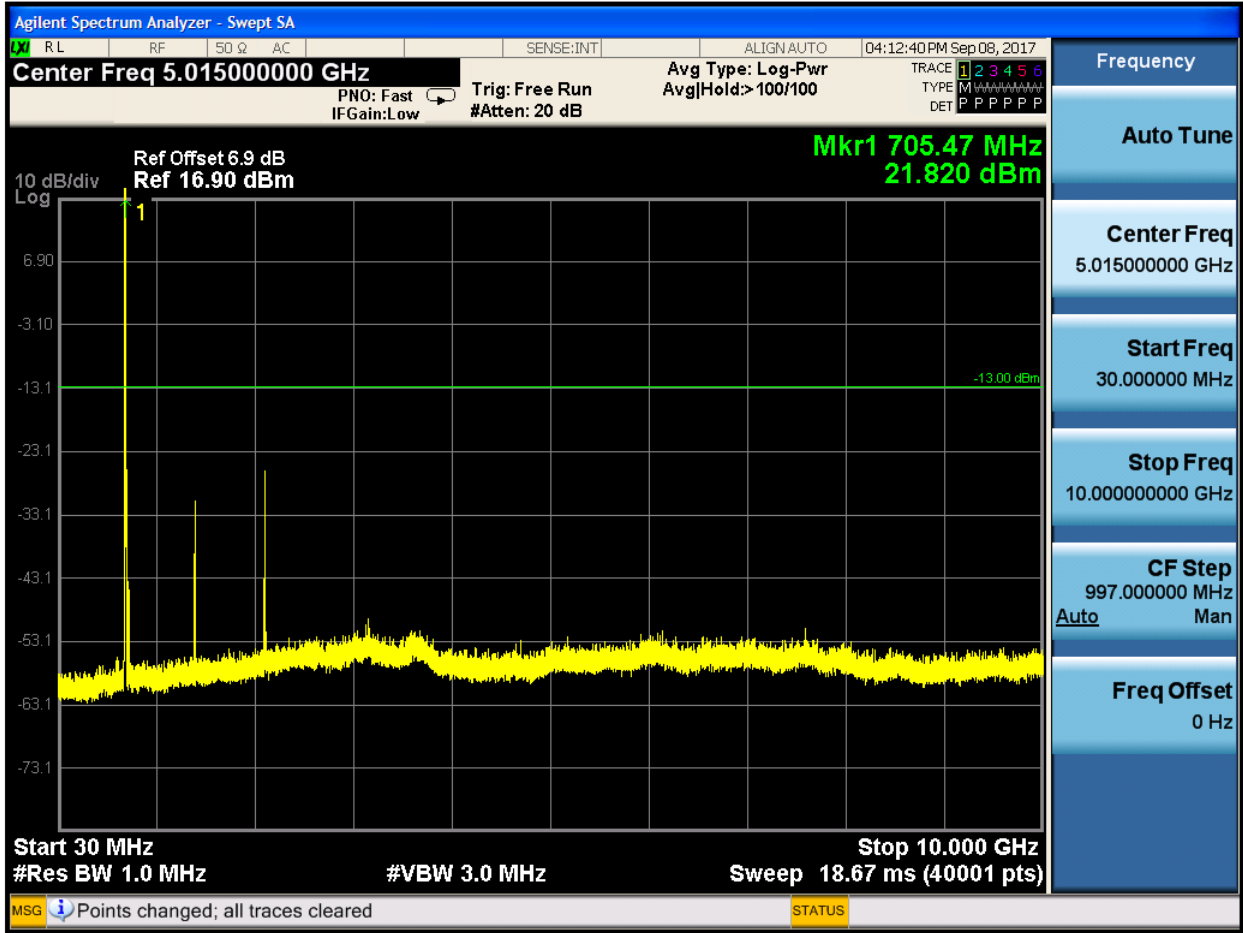


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



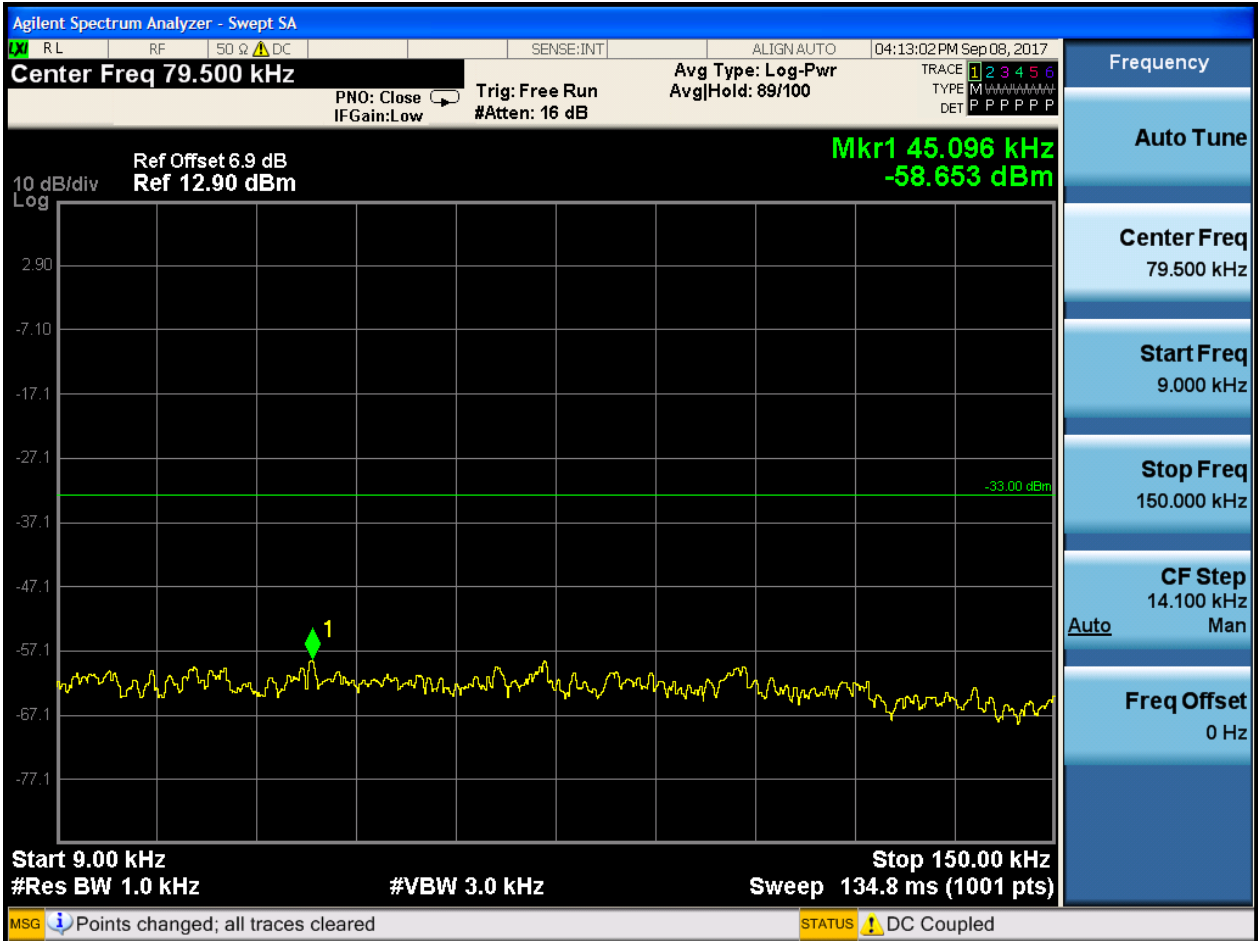


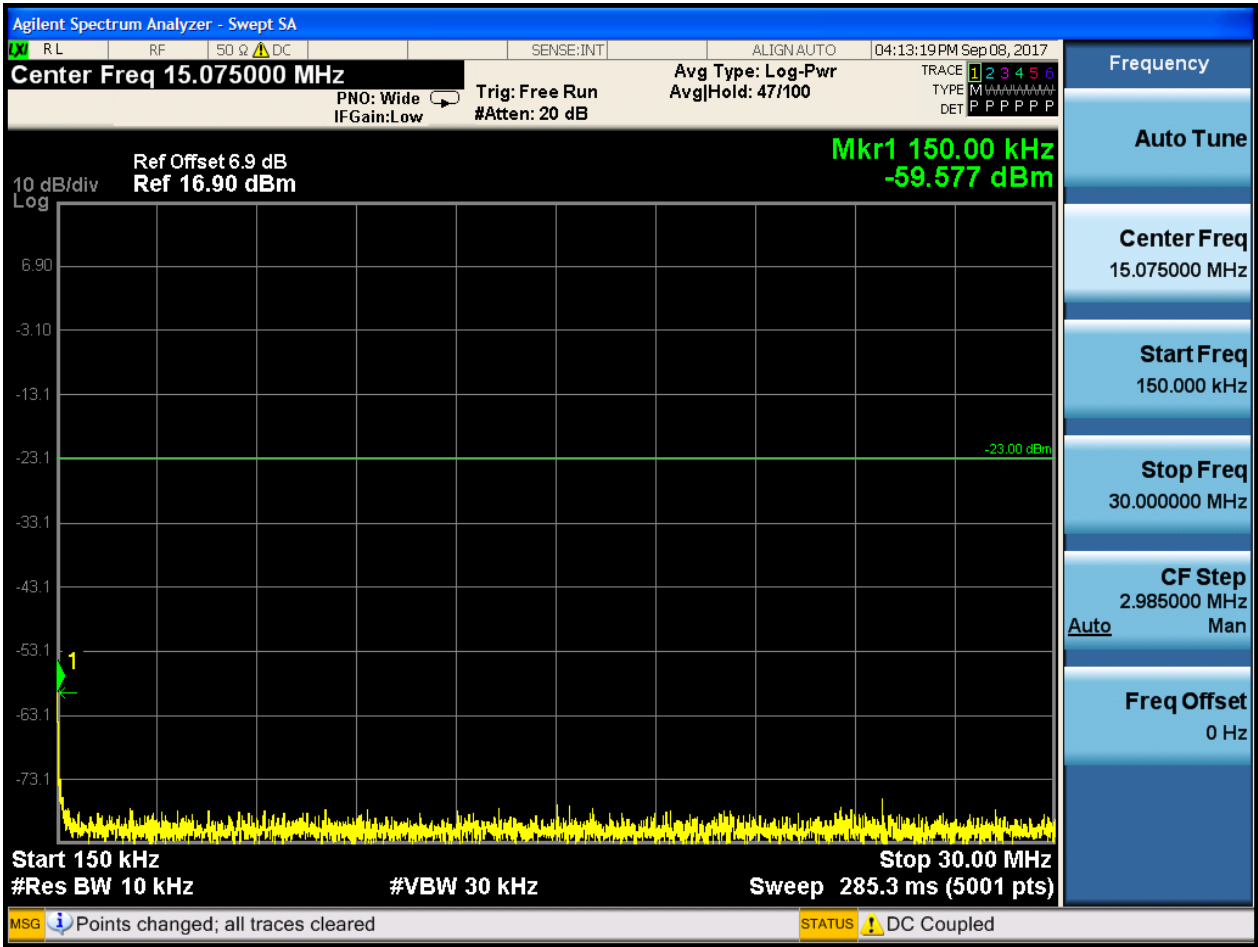


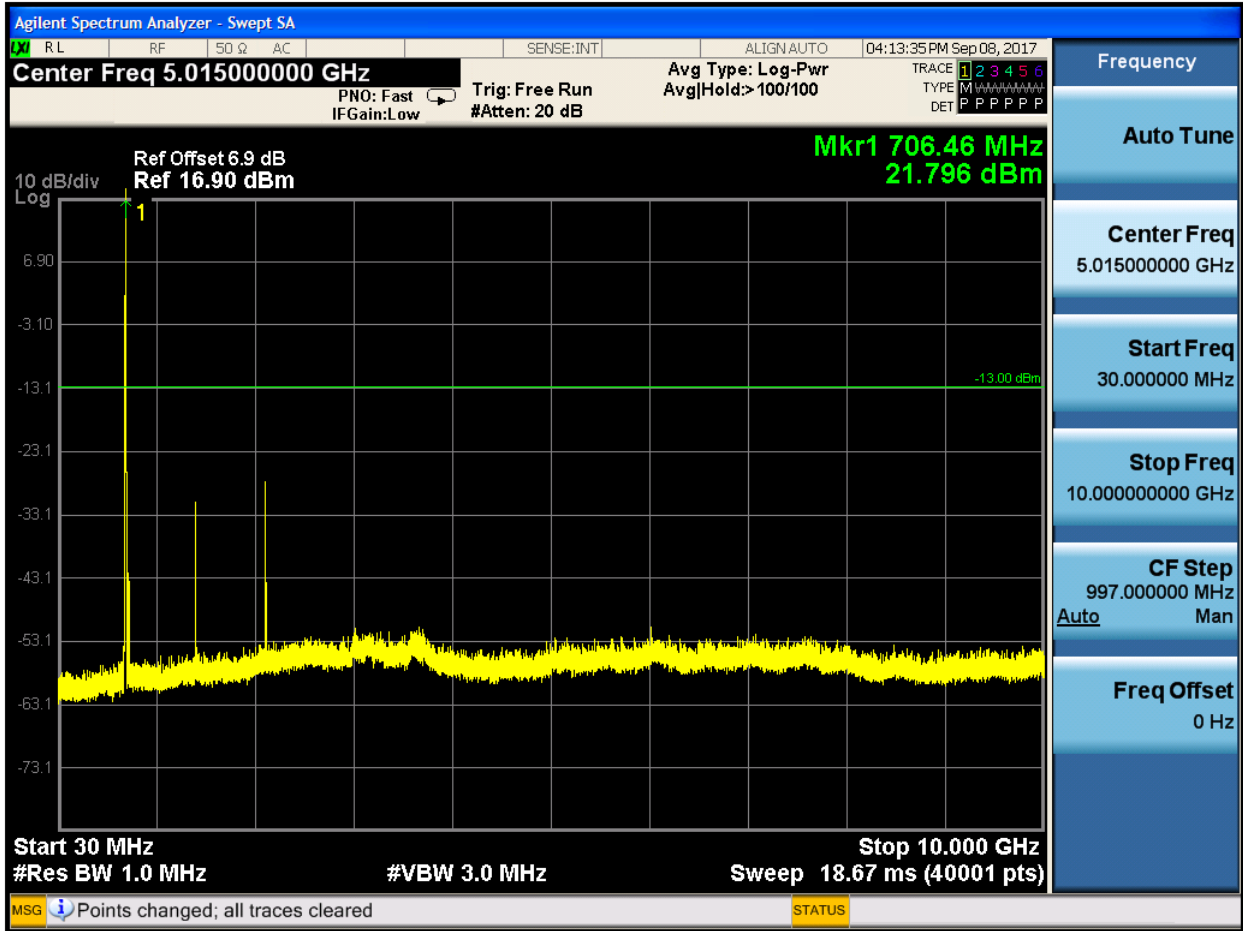


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







6Appendix_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

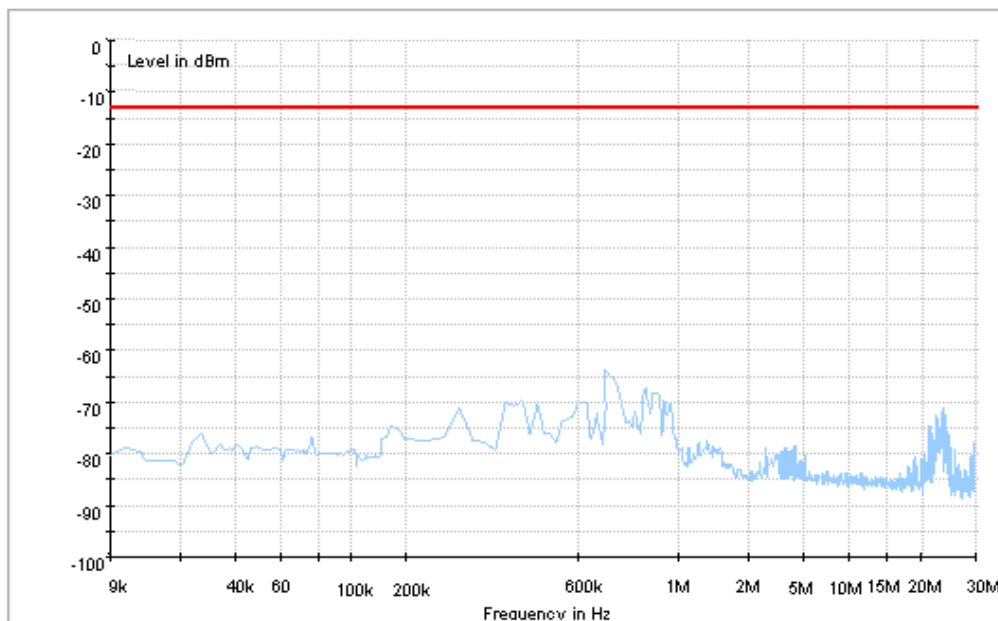
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

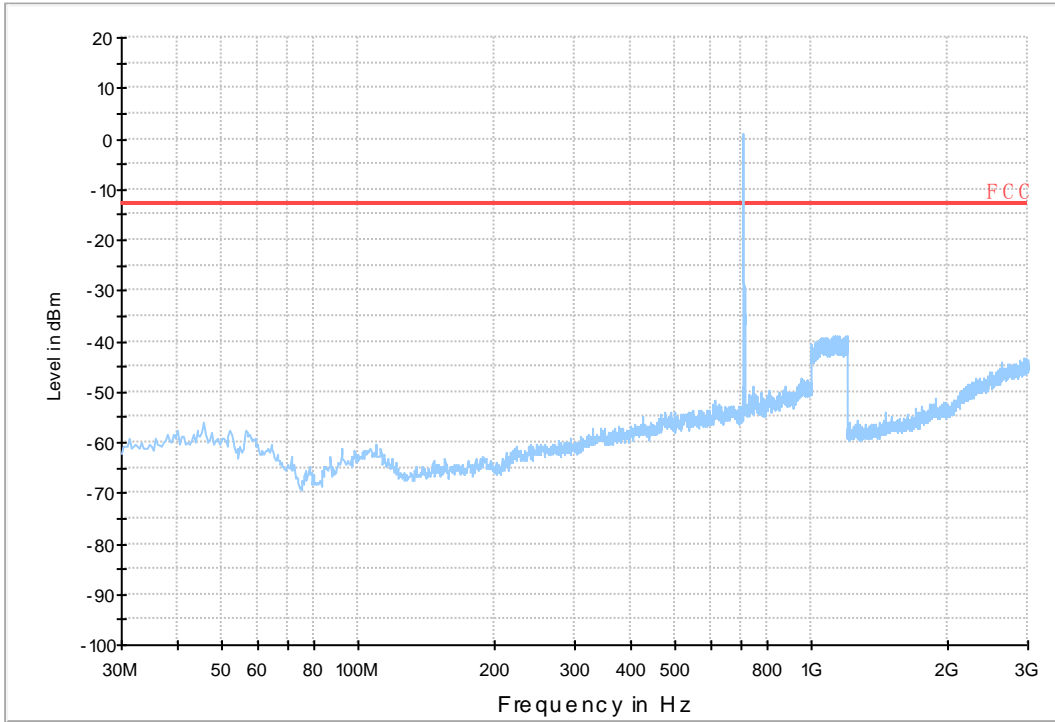
6.1 For LTE

7.1.1 Test Band = BAND17_ANT1

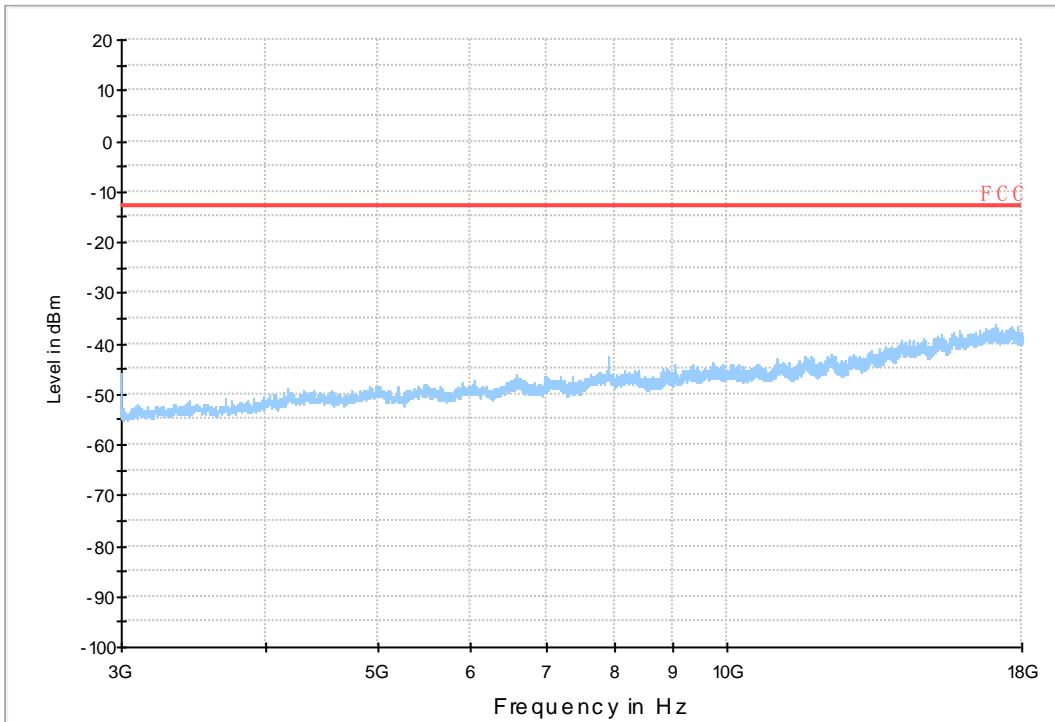
7.1.1.1 Test Bandwidth = 5



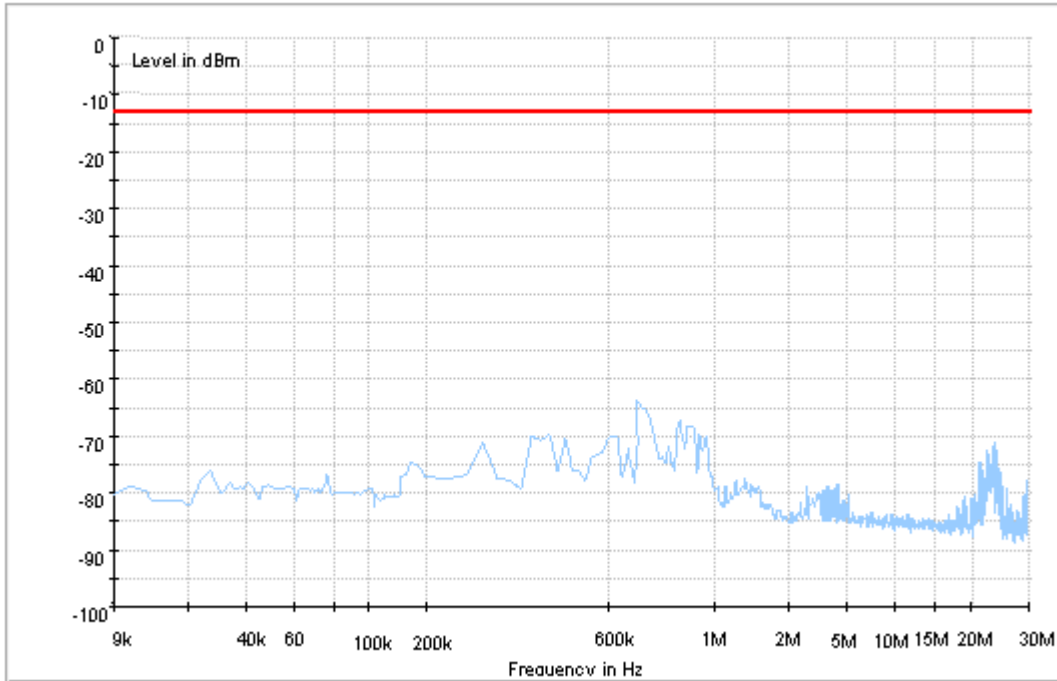
Copy of RSE-TX-DIRECTOR BELOW 1G_L



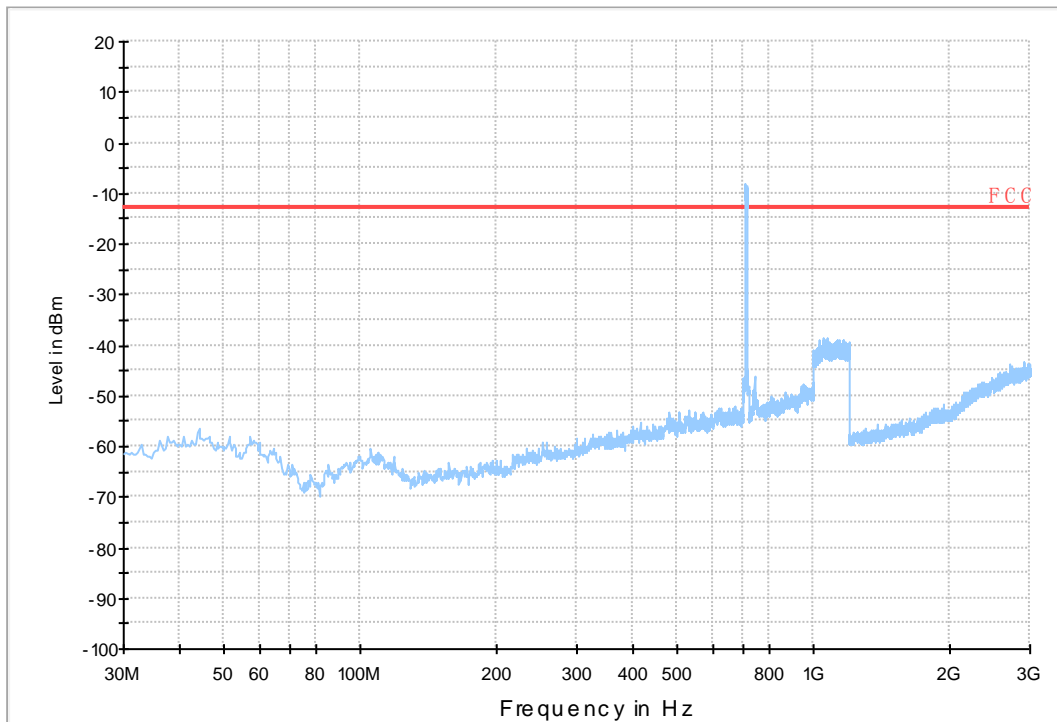
Copy of RSE-TX-DIRECTOR BELOW 1G_H



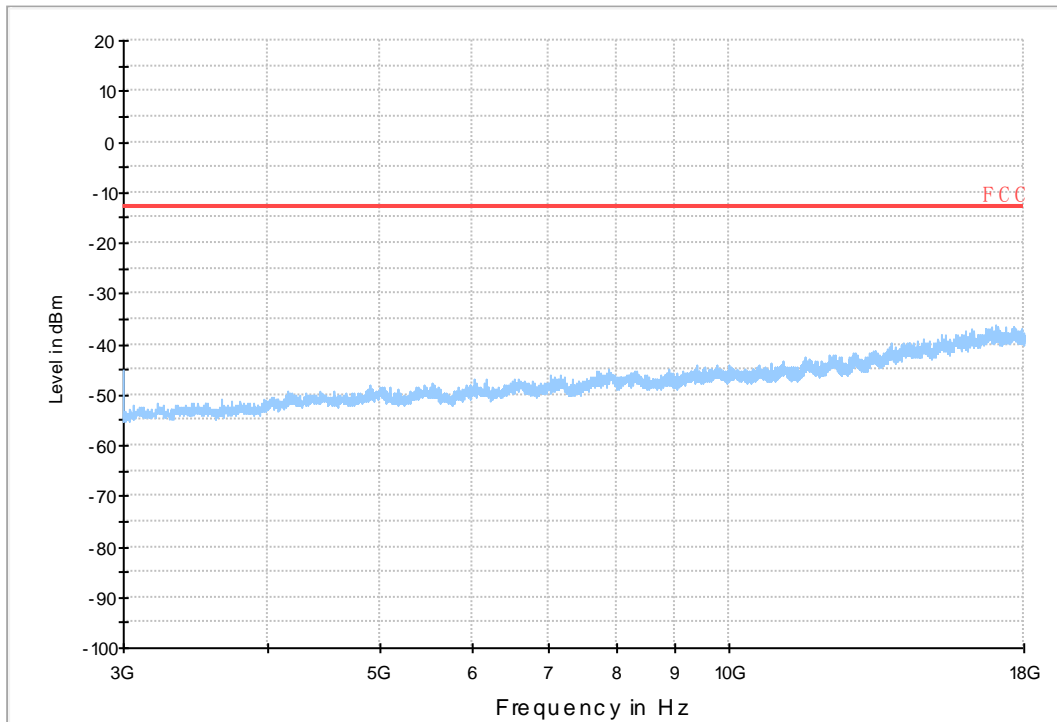
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

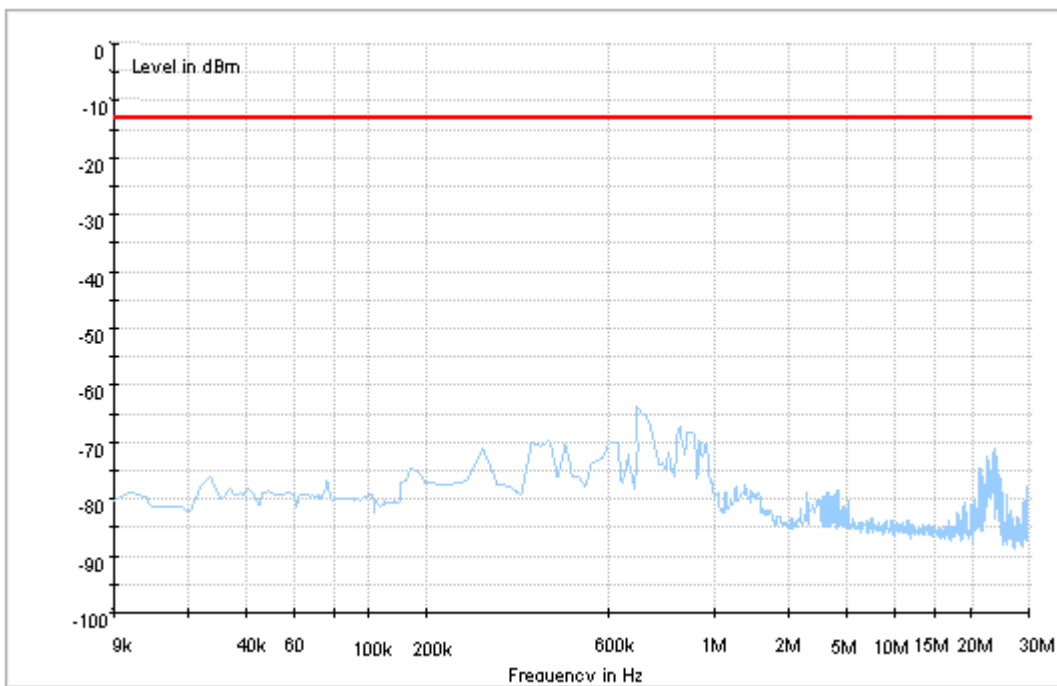


Copy of RSE-TX-DIRECTOR BELOW 1G_H

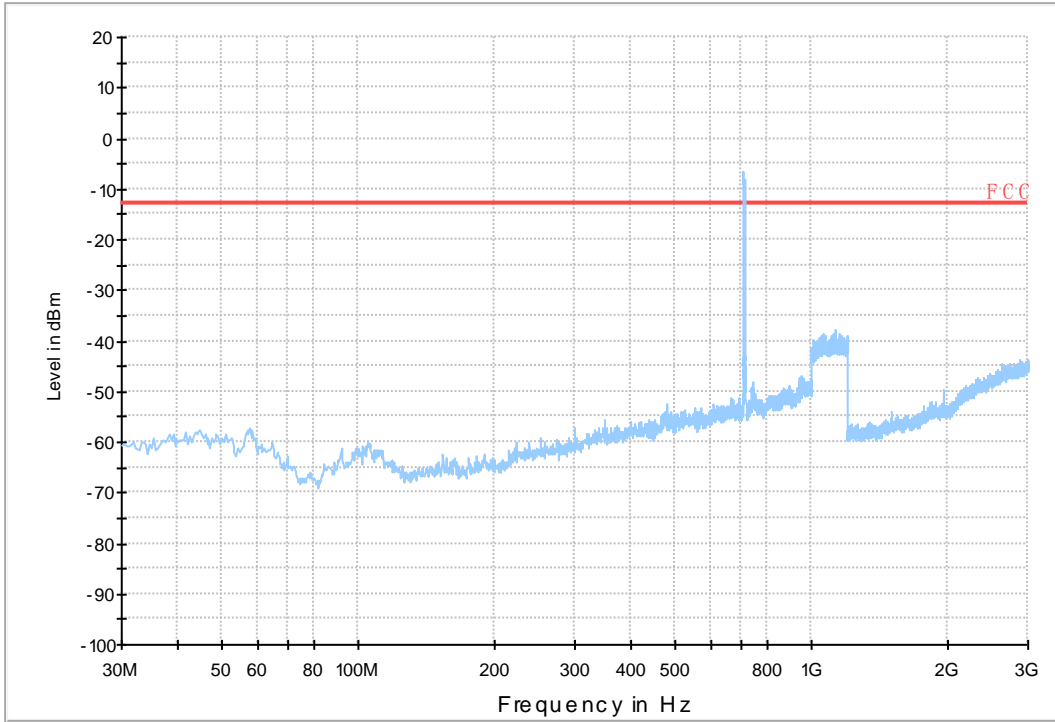


7.2.1 Test Band = BAND17_ANT2

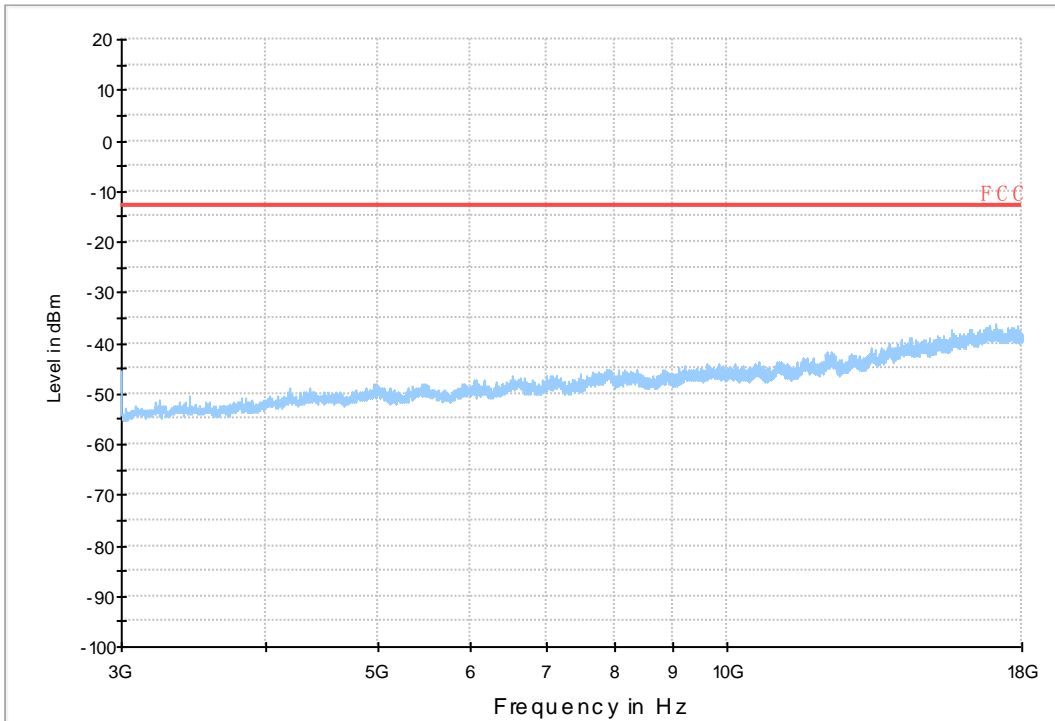
7.2.1.1 Test Bandwidth = 5



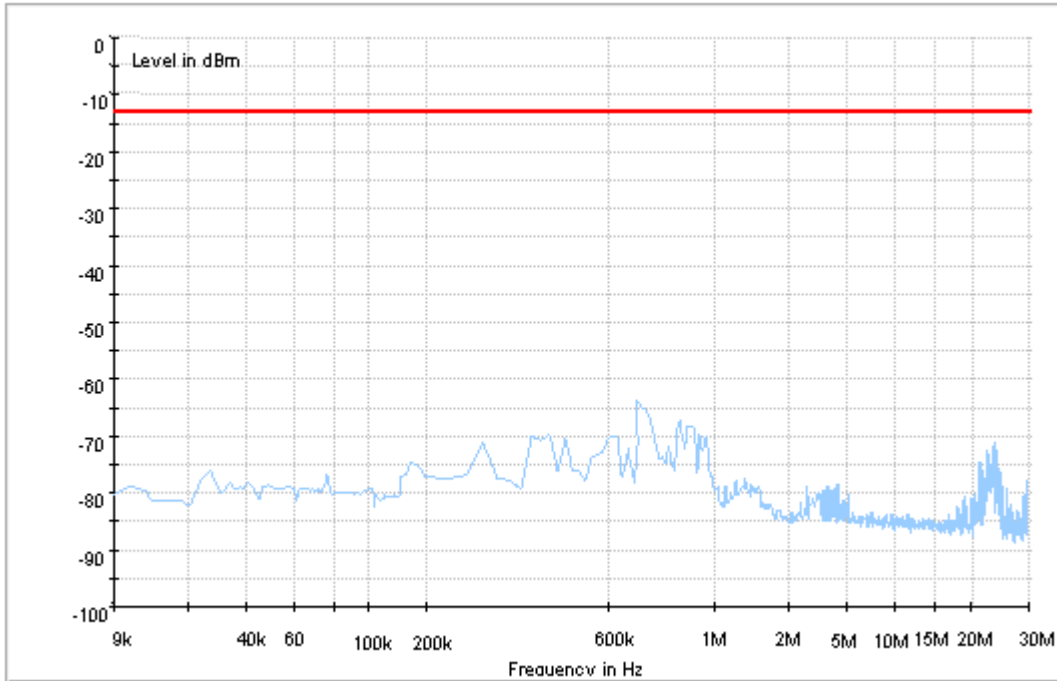
Copy of RSE-TX-DIRECTOR BELOW 1G_L



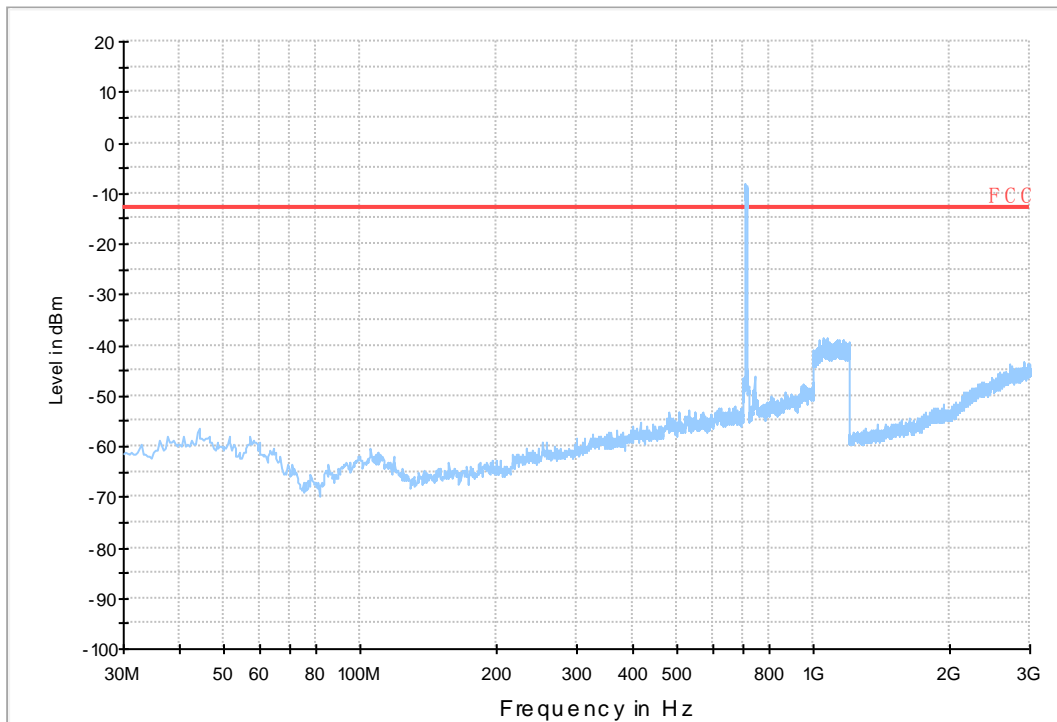
Copy of RSE-TX-DIRECTOR BELOW 1G_H



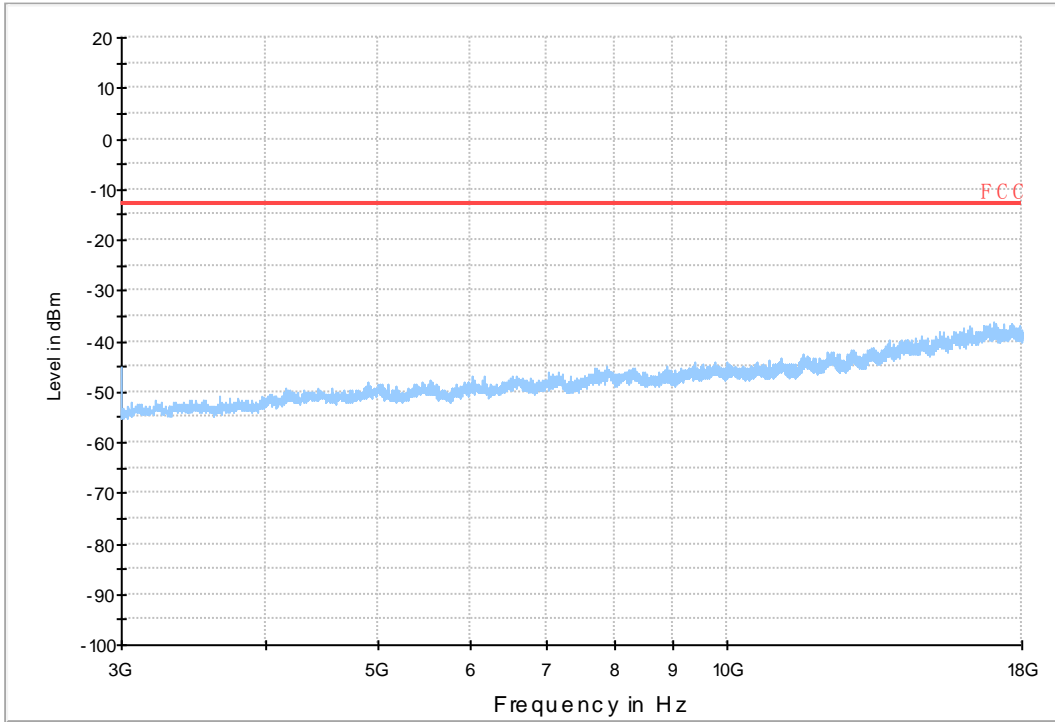
7.2.1.2 Test Bandwidth = 10



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	0.49	0.00066	PASS
					VN	-0.62	-0.00086	PASS
					VH	-1.71	-0.00244	PASS
			MCH	TN	VL	-4.75	-0.00669	PASS
					VN	0.53	0.00075	PASS
					VH	-1.77	-0.00249	PASS
		HCH	TN	VL	-5.62	-0.00788	PASS	
				VN	0.31	0.00043	PASS	
				VH	-2.88	-0.00404	PASS	
		10	LCH	TN	VL	6.37	0.00898	PASS
					VN	-1.04	-0.00147	PASS
					VH	0.31	0.00044	PASS
	MCH		TN	VL	-7.40	-0.01042	PASS	
				VN	-3.30	-0.00465	PASS	
				VH	-9.14	-0.01287	PASS	
	HCH	TN	VL	0.16	0.00023	PASS		
			VN	-5.01	-0.00705	PASS		
			VH	-6.48	-0.00911	PASS		
	LTE/TM2	5	LCH	TN	VL	0.76	0.00108	PASS
					VN	-0.46	-0.00065	PASS
					VH	-2.57	-0.00364	PASS
			MCH	TN	VL	-2.72	-0.00383	PASS
					VN	-2.17	-0.00306	PASS
					VH	-1.85	-0.00261	PASS
HCH		TN	VL	1.24	0.00174	PASS		
			VN	-1.40	-0.00196	PASS		
			VH	-1.27	-0.00178	PASS		
10		LCH	TN	VL	-0.16	-0.00023	PASS	
				VN	-1.33	-0.00188	PASS	
				VH	2.16	0.00305	PASS	
	MCH	TN	VL	-8.58	-0.01203	PASS		
			VN	-9.96	-0.01403	PASS		
			VH					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-5.17	-0.00725	PASS
			HCH	TN	VL	-1.92	-0.00274	PASS
					VN	-3.49	-0.00489	PASS
					VH	-0.18	-0.00025	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	-2.54	-0.00354	PASS	
					-20	0.63	0.00082	PASS	
					-10	-1.52	-0.00218	PASS	
					0	-2.51	-0.00358	PASS	
					10	3.91	0.00554	PASS	
					20	-0.32	-0.00042	PASS	
					30	-4.71	-0.00667	PASS	
					40	-2.36	-0.00334	PASS	
			50	-0.76	-0.00108	PASS			
			MCH	VN	-30	-1.19	-0.00168	PASS	
					-20	-1.47	-0.00207	PASS	
					-10	-1.32	-0.00186	PASS	
					0	-1.02	-0.00144	PASS	
					10	-0.96	-0.00135	PASS	
					20	-4.01	-0.00565	PASS	
					30	-3.52	-0.00496	PASS	
					40	-2.40	-0.00338	PASS	
			50	-1.60	-0.00225	PASS			
			HCH	VN	-30	-1.39	-0.00195	PASS	
					-20	-3.46	-0.00485	PASS	
					-10	6.58	0.00922	PASS	
					0	-1.76	-0.00247	PASS	
					10	-2.98	-0.00418	PASS	
					20	-3.75	-0.00526	PASS	
	30	0.01			0.00001	PASS			
	40	1.80			0.00252	PASS			
	50	0.04	0.00006	PASS					
			10	LCH	VN	-30	-1.37	-0.00193	PASS
						-20	-0.56	-0.00079	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-0.06	-0.00008	PASS
					0	-1.77	-0.0025	PASS
					10	0.47	0.00066	PASS
					20	-0.94	-0.00133	PASS
					30	-2.15	-0.00303	PASS
					40	0.67	0.00094	PASS
					50	-3.13	-0.00441	PASS
			MCH	VN	-30	-1.54	-0.00217	PASS
					-20	2.76	0.00389	PASS
					-10	0.13	0.00018	PASS
					0	1	0.00141	PASS
					10	4.79	0.00675	PASS
					20	-1.04	-0.00146	PASS
					30	-0.8	-0.00113	PASS
			HCH	VN	40	0.77	0.00108	PASS
					50	0.72	0.00101	PASS
					-30	-2.45	-0.00345	PASS
					-20	-4.35	-0.00612	PASS
					-10	-1.79	-0.00252	PASS
					0	3.02	0.00425	PASS
					10	5.15	0.00724	PASS
			LCH	VN	20	0.03	0.00004	PASS
					30	-2.57	-0.00361	PASS
					40	-0.3	-0.00042	PASS
					50	1.16	0.00163	PASS
					-30	-10.18	-0.01439	PASS
					-20	4.86	0.00686	PASS
					-10	3	0.00425	PASS
			MCH	VN	0	0.19	0.00027	PASS
					10	0.23	0.00033	PASS
20	0.36	0.00051			PASS			
30	1.52	0.00215			PASS			
40	1.13	0.0016			PASS			
50	-1.97	-0.00279			PASS			
-30	1.13	0.00159			PASS			
		5			-20	-1.39	-0.00196	PASS
					-10	-11.72	-0.01651	PASS
					0	3.71	0.00523	PASS
					10	2.5	0.00352	PASS
					LTE/TM2			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					20	-10.17	-0.01432	PASS			
					30	4.43	0.00624	PASS			
					40	2.98	0.0042	PASS			
					50	-0.31	-0.00044	PASS			
			HCH	VN				-30	2.39	0.00335	PASS
								-20	-8.27	-0.01159	PASS
								-10	1.44	0.00202	PASS
								0	-10.74	-0.01505	PASS
								10	5.78	0.0081	PASS
								20	2.6	0.00364	PASS
								30	-0.17	-0.00024	PASS
								40	3.83	0.00537	PASS
								50	-1.17	-0.00164	PASS
								LCH	VN		
		-20	-3.05	-0.0043		PASS					
		-10	-2.68	-0.00378		PASS					
		0	-0.77	-0.00109		PASS					
		10	0.41	0.00058		PASS					
		20	1.23	0.00173	PASS						
		30	0.04	0.00006	PASS						
		40	-3.96	-0.00559	PASS						
		MCH	VN				50	0.76	0.00107		PASS
							-30	-2.13	-0.003		PASS
							-20	0.1	0.00014		PASS
							-10	-0.7	-0.00099		PASS
							0	2.69	0.00379		PASS
							10	1.93	0.00272		PASS
							20	2.52	0.00355	PASS	
							30	3.1	0.00423	PASS	
		HCH	VN					40	-2.02	-0.00285	PASS
								50	-1.5	-0.00211	PASS
								-30	-5.49	-0.00772	PASS
								-20	1.23	0.00173	PASS
								-10	-1.62	-0.00228	PASS
								0	1.56	0.00219	PASS
				10				0.47	0.00066	PASS	
				20				-2.54	-0.00354	PASS	
		30	-1.57	-0.00219		PASS					
		40	-0.25	-0.00034		PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	-0.93	-0.00139	PASS

END