



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
BAND5	LTE/TM1	5	LCH	RB1#0	22.43	21.28	38.5	PASS
				RB1#13	22.44	21.42	38.5	PASS
				RB1#24	22.38	21.22	38.5	PASS
				RB12#0	21.4	20.32	38.5	PASS
				RB12#6	21.37	20.13	38.5	PASS
				RB12#13	21.35	20.36	38.5	PASS
				RB25#0	21.35	20.03	38.5	PASS
			MCH	RB1#0	22.41	21.09	38.5	PASS
				RB1#13	22.46	21.49	38.5	PASS
				RB1#24	22.37	21.12	38.5	PASS
				RB12#0	21.38	20.16	38.5	PASS
				RB12#6	21.42	20.46	38.5	PASS
				RB12#13	21.39	20.42	38.5	PASS
				RB25#0	21.38	20.34	38.5	PASS
			HCH	RB1#0	22.34	21.26	38.5	PASS
				RB1#13	22.34	21.22	38.5	PASS
				RB1#24	22.3	21.14	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB12#0	21.3	20.11	38.5	PASS	
				RB12#6	21.29	20.15	38.5	PASS	
				RB12#13	21.32	20.08	38.5	PASS	
				RB25#0	21.33	20.34	38.5	PASS	
		10	LCH	RB1#0	22.44	21.41	38.5	PASS	
				RB1#25	22.38	21.15	38.5	PASS	
				RB1#49	22.36	21.04	38.5	PASS	
				RB25#0	21.47	20.25	38.5	PASS	
				RB25#13	21.48	20.20	38.5	PASS	
				RB25#25	21.44	20.45	38.5	PASS	
				RB50#0	21.46	20.45	38.5	PASS	
				MCH	RB1#0	22.38	21.43	38.5	PASS
					RB1#25	22.32	21.10	38.5	PASS
					RB1#49	22.27	21.18	38.5	PASS
RB25#0	21.41	20.16	38.5		PASS				
RB25#13	21.36	20.20	38.5		PASS				
RB25#25	21.32	20.07	38.5		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.4	20.09	38.5	PASS
			HCH	RB1#0	22.45	21.25	38.5	PASS
				RB1#25	22.42	21.27	38.5	PASS
				RB1#49	22.34	21.06	38.5	PASS
				RB25#0	21.42	20.16	38.5	PASS
				RB25#13	21.42	20.15	38.5	PASS
				RB25#25	21.38	20.43	38.5	PASS
				RB50#0	21.44	20.47	38.5	PASS
	LTE/TM2	5	LCH	RB1#0	21.61	20.56	38.5	PASS
				RB1#13	21.63	20.49	38.5	PASS
				RB1#24	21.59	20.59	38.5	PASS
				RB12#0	20.4	19.40	38.5	PASS
				RB12#6	20.42	19.38	38.5	PASS
				RB12#13	20.37	19.04	38.5	PASS
				RB25#0	20.35	19.33	38.5	PASS
MCH	RB1#0	21.47	20.27	38.5	PASS			
	RB1#13	21.48	20.15	38.5	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#24	21.42	20.29	38.5	PASS
				RB12#0	20.37	19.34	38.5	PASS
				RB12#6	20.34	19.11	38.5	PASS
				RB12#13	20.33	19.02	38.5	PASS
				RB25#0	20.41	19.39	38.5	PASS
			HCH	RB1#0	21.87	20.92	38.5	PASS
				RB1#13	21.92	20.74	38.5	PASS
				RB1#24	21.83	20.59	38.5	PASS
				RB12#0	20.39	19.04	38.5	PASS
				RB12#6	20.35	19.37	38.5	PASS
		10	LCH	RB12#13	20.22	19.24	38.5	PASS
				RB25#0	20.34	19.20	38.5	PASS
				RB1#0	21.84	20.65	38.5	PASS
				RB1#25	21.77	20.77	38.5	PASS
				RB1#49	21.7	20.53	38.5	PASS
		RB25#0	20.5	19.27	38.5	PASS		
		RB25#13	20.43	19.45	38.5	PASS		

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.39	19.30	38.5	PASS
				RB50#0	20.46	19.19	38.5	PASS
			MCH	RB1#0	21.57	20.54	38.5	PASS
				RB1#25	21.52	20.37	38.5	PASS
				RB1#49	21.49	20.53	38.5	PASS
				RB25#0	20.42	19.30	38.5	PASS
				RB25#13	20.39	19.13	38.5	PASS
				RB25#25	20.31	19.18	38.5	PASS
				RB50#0	20.38	19.41	38.5	PASS
				HCH	RB1#0	21.56	20.45	38.5
			RB1#25		21.51	20.20	38.5	PASS
			RB1#49		21.48	20.29	38.5	PASS
			RB25#0		20.5	19.52	38.5	PASS
			RB25#13		20.51	19.43	38.5	PASS
			RB25#25		20.44	19.11	38.5	PASS
			RB50#0		20.39	19.29	38.5	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,



$ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]$

$EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]$

b, SGP=Signal Generator Level

Note2:

SET Span=1.5*OBW

SET RBW=1%of the OBW,not to wxceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND5	LTE/TM1	5	LCH	RB1#0	4.34	13	PASS
				RB1#13	4.26	13	PASS
				RB1#24	4.39	13	PASS
				RB12#0	4.99	13	PASS
				RB12#6	4.89	13	PASS
				RB12#13	4.98	13	PASS
			RB25#0	5.38	13	PASS	
			MCH	RB1#0	4.29	13	PASS
				RB1#13	4.23	13	PASS
				RB1#24	4.36	13	PASS
				RB12#0	4.97	13	PASS
				RB12#6	4.87	13	PASS
				RB12#13	4.94	13	PASS
			RB25#0	5.15	13	PASS	
			HCH	RB1#0	4.37	13	PASS
				RB1#13	4.13	13	PASS
				RB1#24	4.19	13	PASS
				RB12#0	4.87	13	PASS
		RB12#6		4.71	13	PASS	
		RB12#13		4.86	13	PASS	
		RB25#0	5.72	13	PASS		
		10	LCH	RB1#0	4.39	13	PASS
				RB1#25	4.39	13	PASS
				RB1#49	4.33	13	PASS
				RB25#0	5.14	13	PASS
				RB25#13	5.07	13	PASS
				RB25#25	5.13	13	PASS
			RB50#0	6.08	13	PASS	
			MCH	RB1#0	4.36	13	PASS
				RB1#25	4.34	13	PASS
RB1#49	4.41			13	PASS		
RB25#0	5.05			13	PASS		
RB25#13	4.89			13	PASS		
RB25#25	5.05	13		PASS			
RB50#0	6.03	13	PASS				
HCH	RB1#0	4.38	13	PASS			
	RB1#25	4.3	13	PASS			
	RB1#49	4.24	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
	LTE/TM2	5		RB25#0	5.33	13	PASS
				RB25#13	5.08	13	PASS
				RB25#25	5.11	13	PASS
				RB50#0	5.96	13	PASS
			LCH	RB1#0	5.24	13	PASS
				RB1#13	5.16	13	PASS
				RB1#24	5.3	13	PASS
				RB12#0	5.75	13	PASS
				RB12#6	5.68	13	PASS
				RB12#13	5.78	13	PASS
			MCH	RB25#0	6.5	13	PASS
				RB1#0	5.24	13	PASS
				RB1#13	5.16	13	PASS
				RB1#24	5.32	13	PASS
				RB12#0	5.75	13	PASS
				RB12#6	5.67	13	PASS
		HCH	RB12#13	5.76	13	PASS	
			RB25#0	6.19	13	PASS	
			RB1#0	4.77	13	PASS	
			RB1#13	4.59	13	PASS	
			RB1#24	4.63	13	PASS	
			RB12#0	5.57	13	PASS	
		10	LCH	RB12#6	5.52	13	PASS
				RB12#13	5.61	13	PASS
				RB25#0	6.39	13	PASS
				RB1#0	5.44	13	PASS
				RB1#25	5.49	13	PASS
				RB1#49	5.45	13	PASS
			MCH	RB25#0	6.05	13	PASS
				RB25#13	5.93	13	PASS
				RB25#25	6.07	13	PASS
				RB50#0	6.54	13	PASS
RB1#0	5.33			13	PASS		
RB1#25	5.3			13	PASS		
RB1#49	5.44			13	PASS		
RB25#0	5.92			13	PASS		
RB25#13	5.76			13	PASS		
RB25#25	5.82			13	PASS		
RB50#0	6.12	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	5.04	13	PASS
				RB1#25	4.97	13	PASS
				RB1#49	4.93	13	PASS
				RB25#0	5.99	13	PASS
				RB25#13	5.87	13	PASS
				RB25#25	5.94	13	PASS
				RB50#0	6.23	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

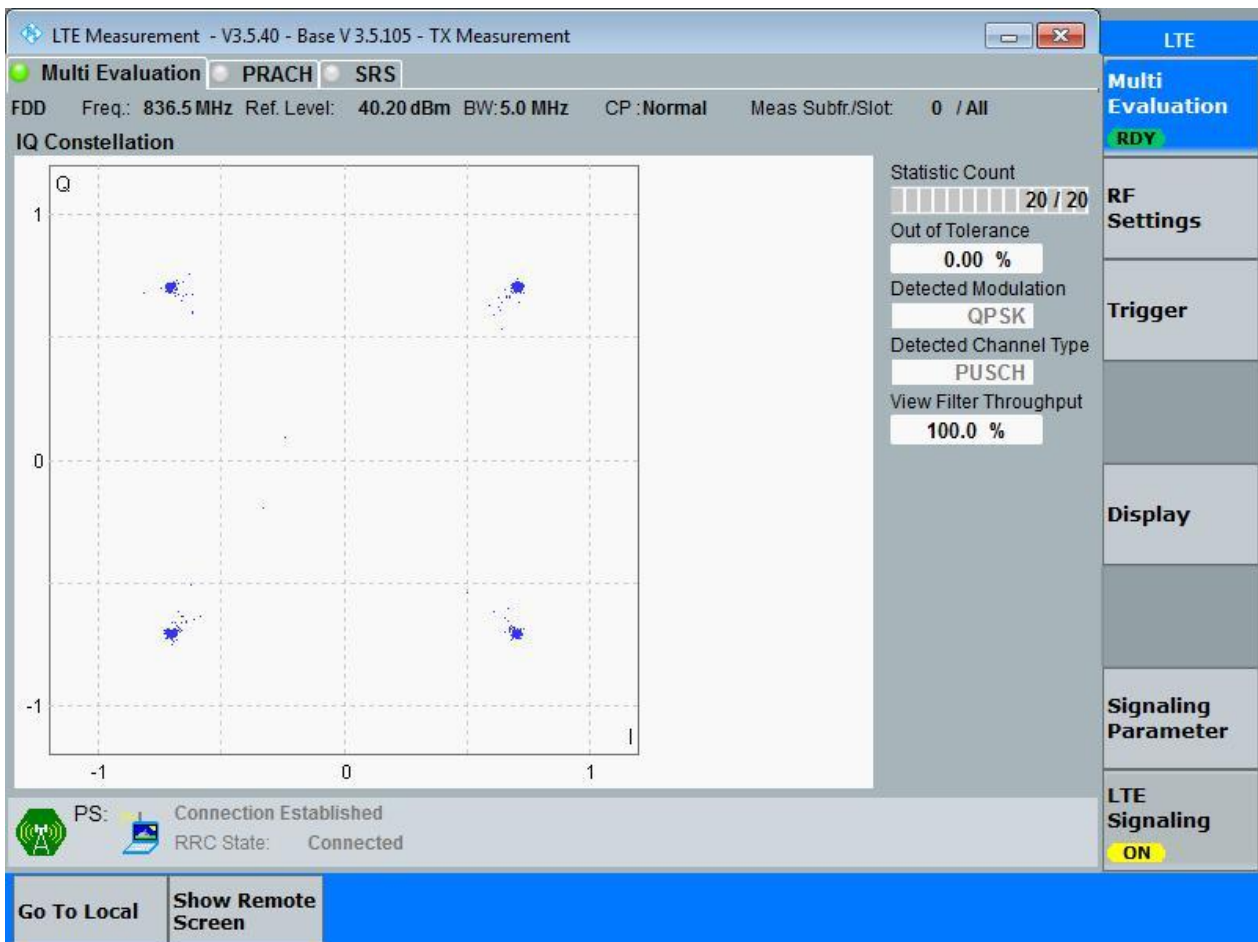
3.1.1 Test Band = BAND5

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

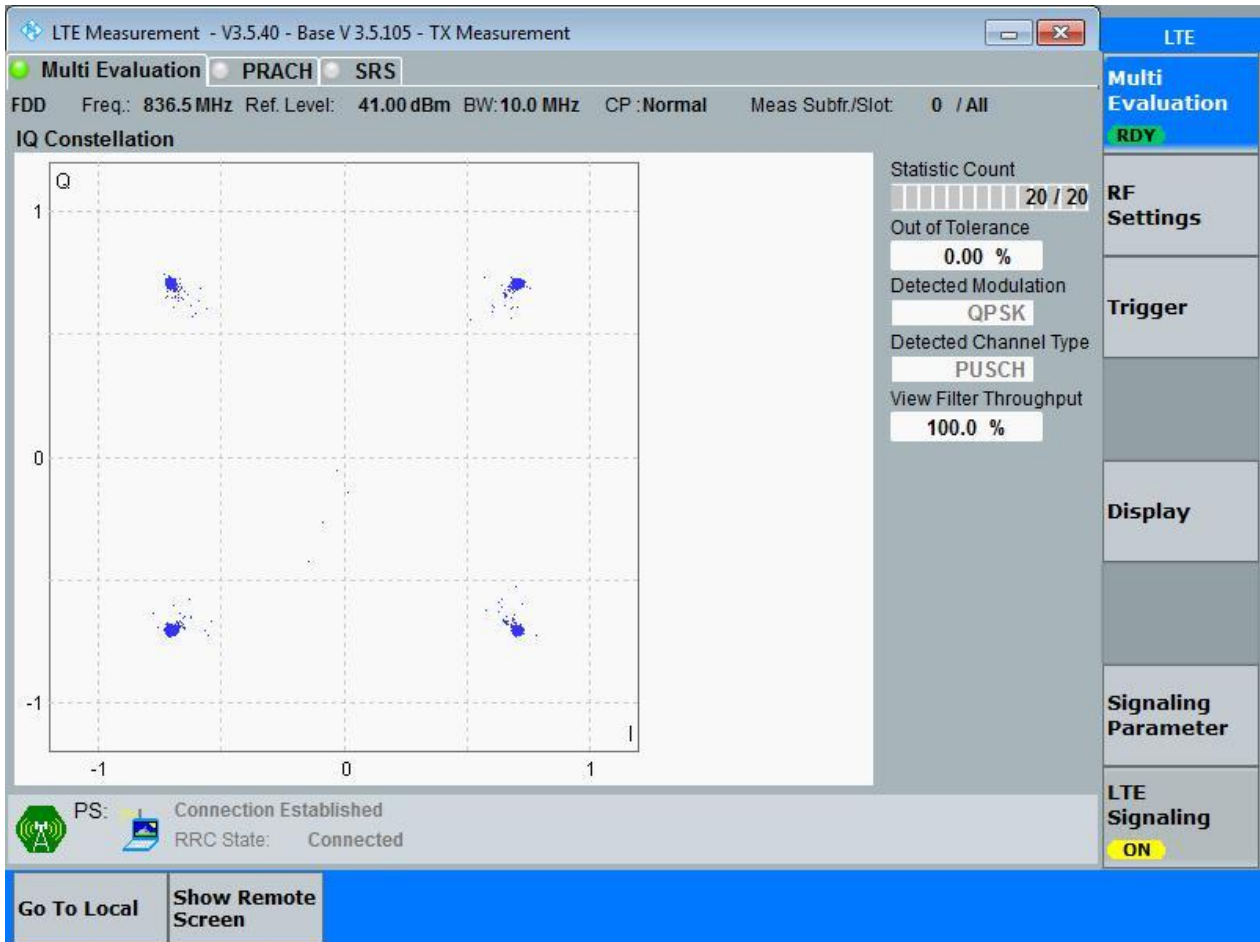
3.1.1.1.1.1.1 Test RB = RB25#0



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

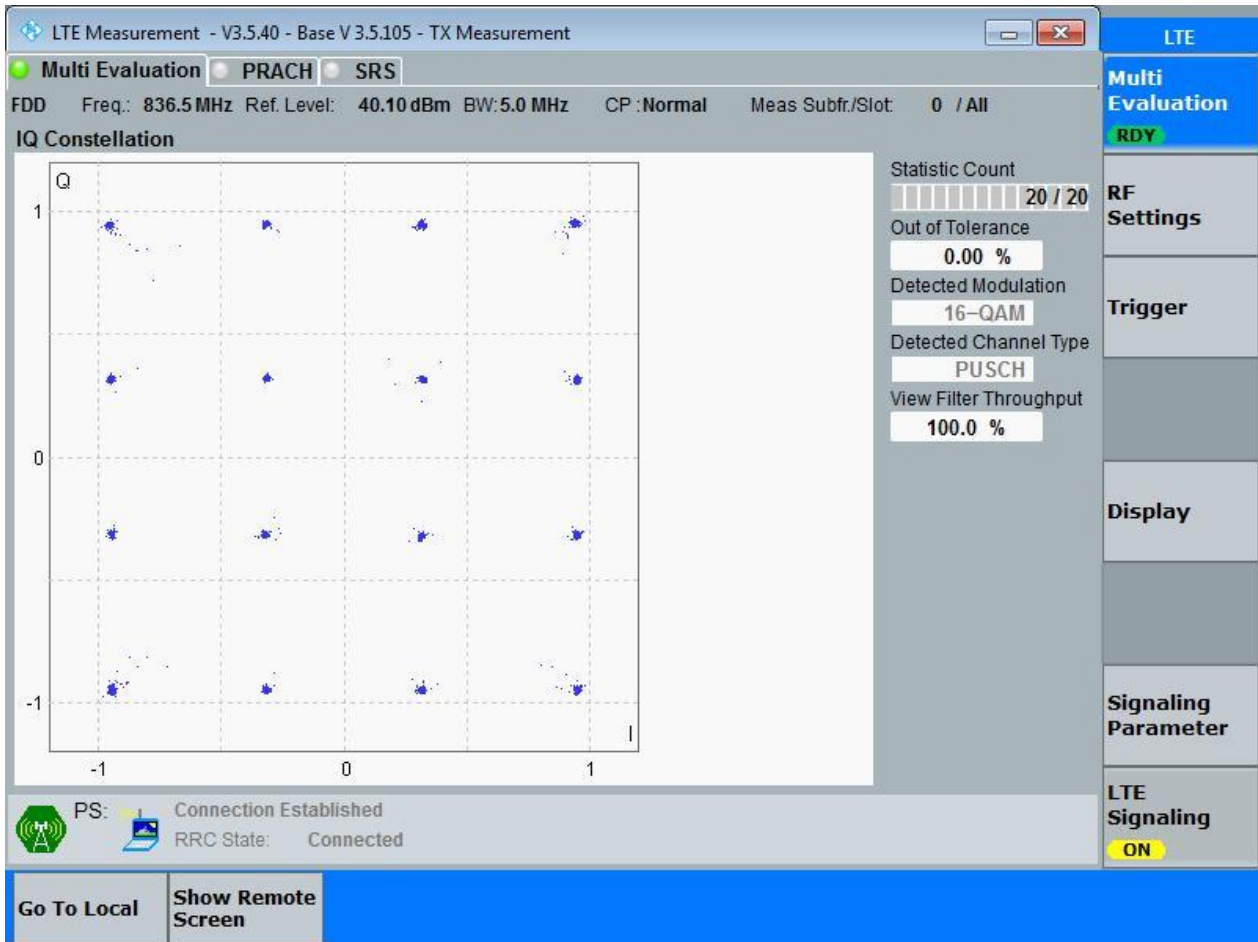


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

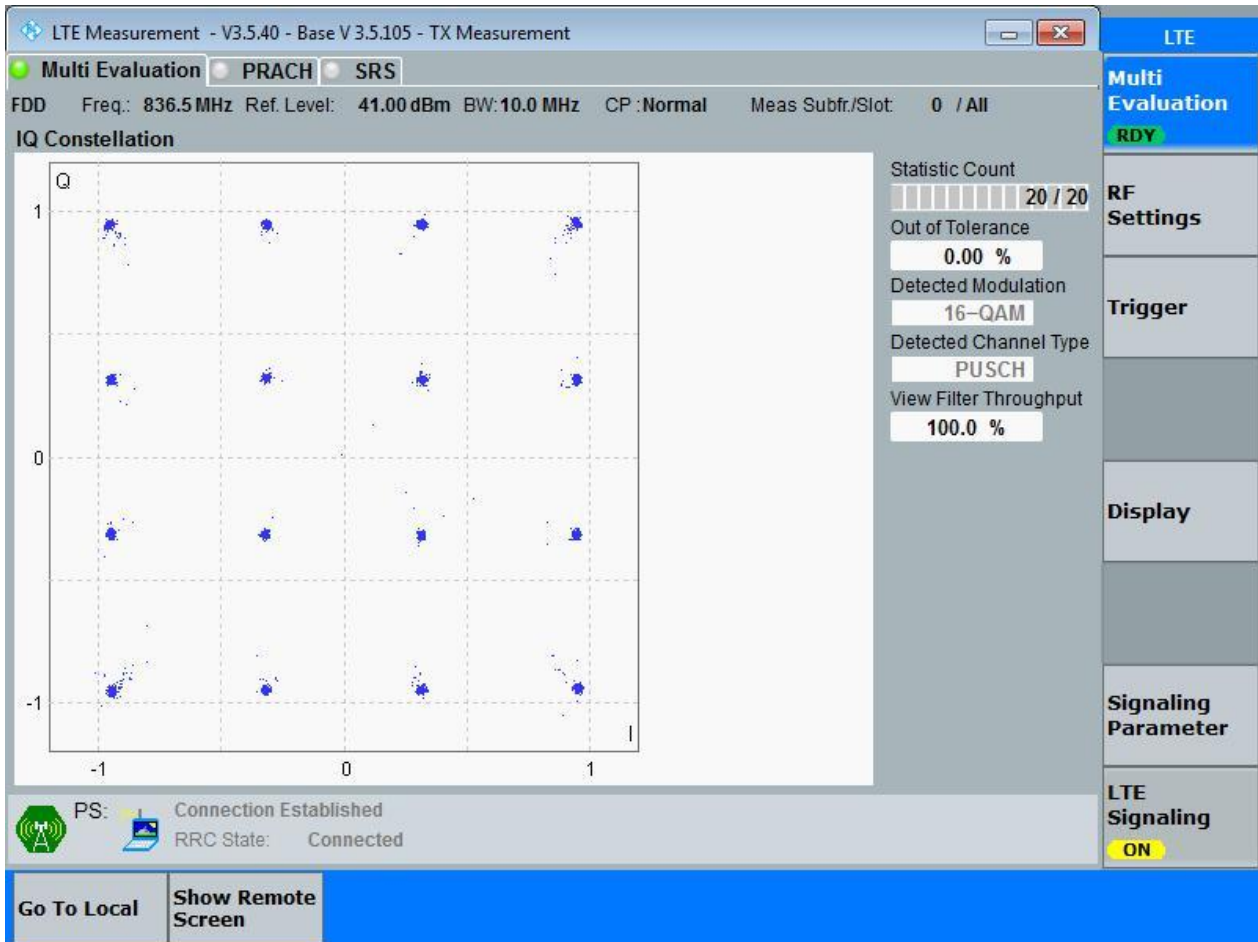
3.1.1.2.1.1.1 Test RB = RB25#0



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
BAND5	LTE/TM1	5	LCH	RB25#0	4.54	5.68	Pass
			MCH	RB25#0	4.51	5.44	Pass
			HCH	RB25#0	4.50	5.73	Pass
		10	LCH	RB50#0	9.03	11.36	Pass
			MCH	RB50#0	8.98	11.06	Pass
			HCH	RB50#0	8.99	10.47	Pass
	LTE/TM2	5	LCH	RB25#0	4.53	6.45	Pass
			MCH	RB25#0	4.51	5.86	Pass
			HCH	RB25#0	4.50	5.59	Pass
		10	LCH	RB50#0	9.02	10.69	Pass
			MCH	RB50#0	9.01	10.78	Pass
			HCH	RB50#0	8.98	11.42	Pass



Part II - Test Plots

4.1 For LTE

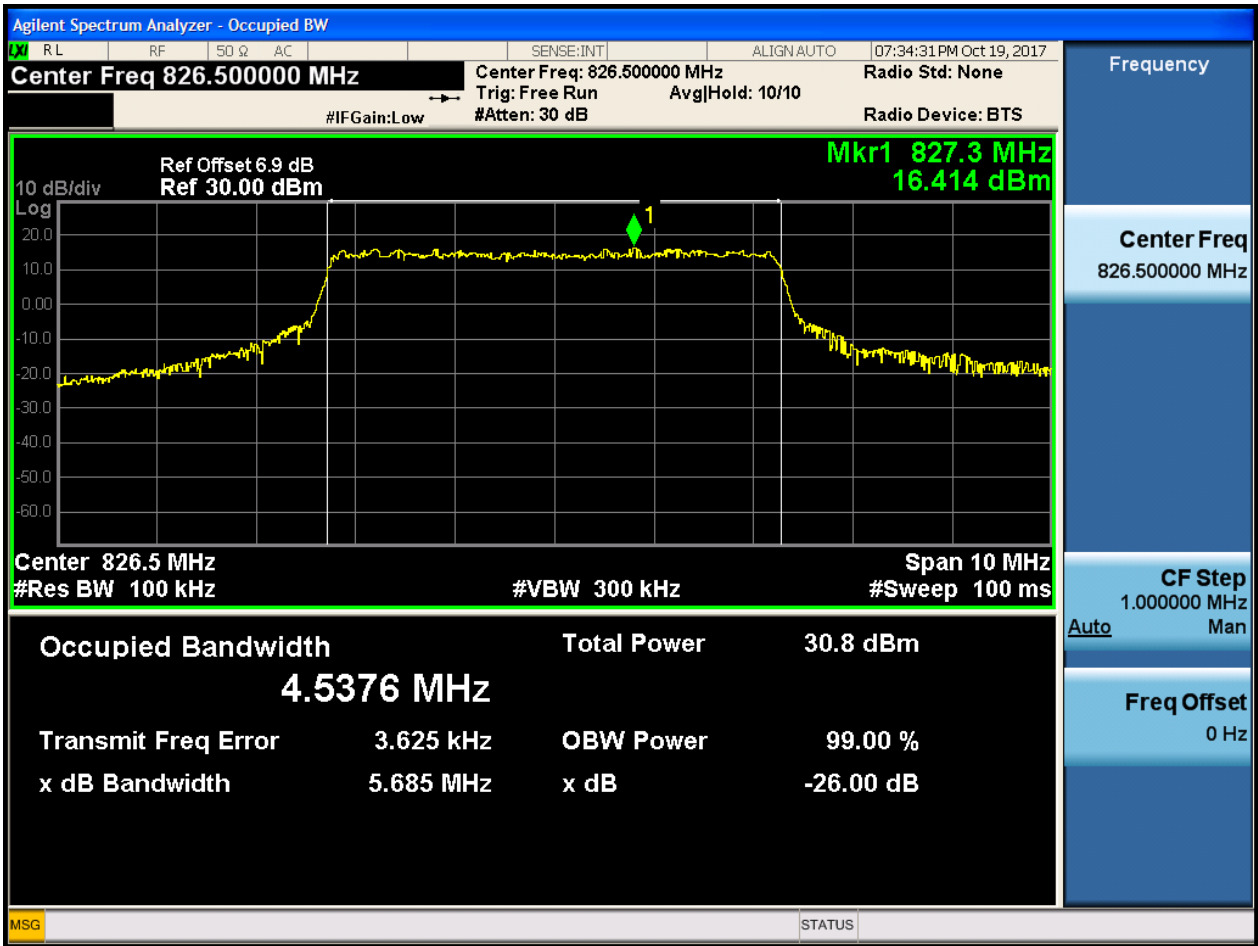
4.1.1 Test Band = BAND5

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

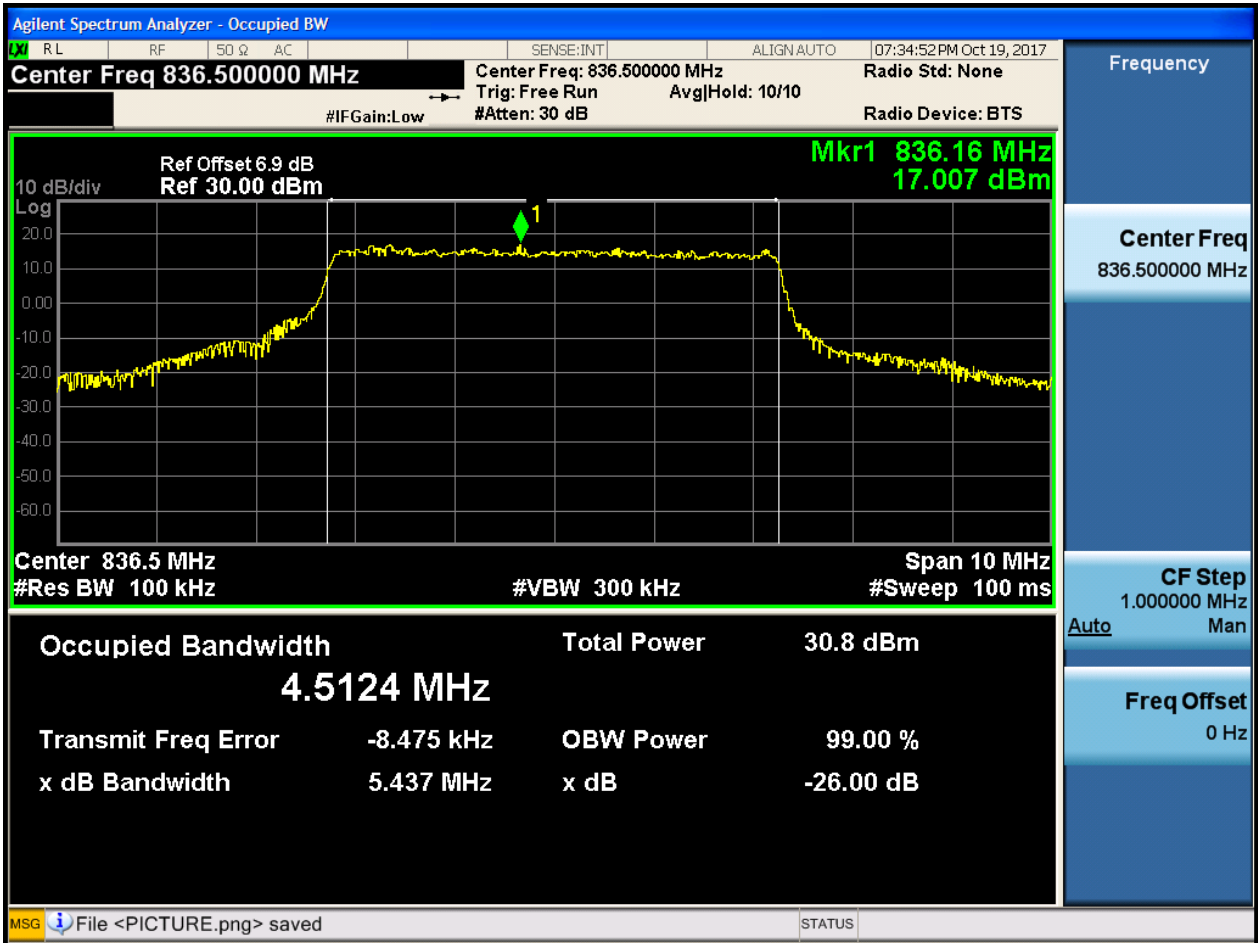
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

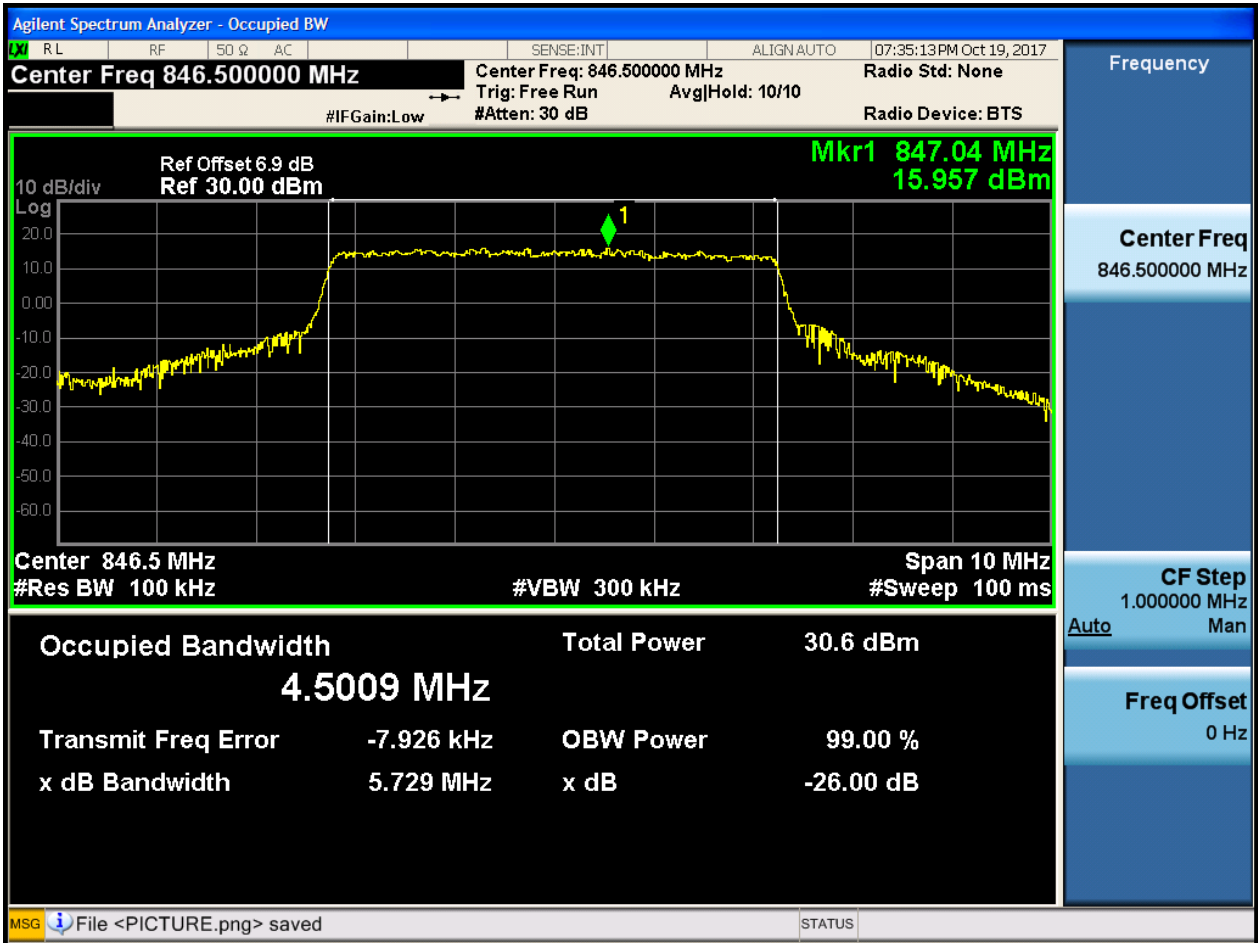
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

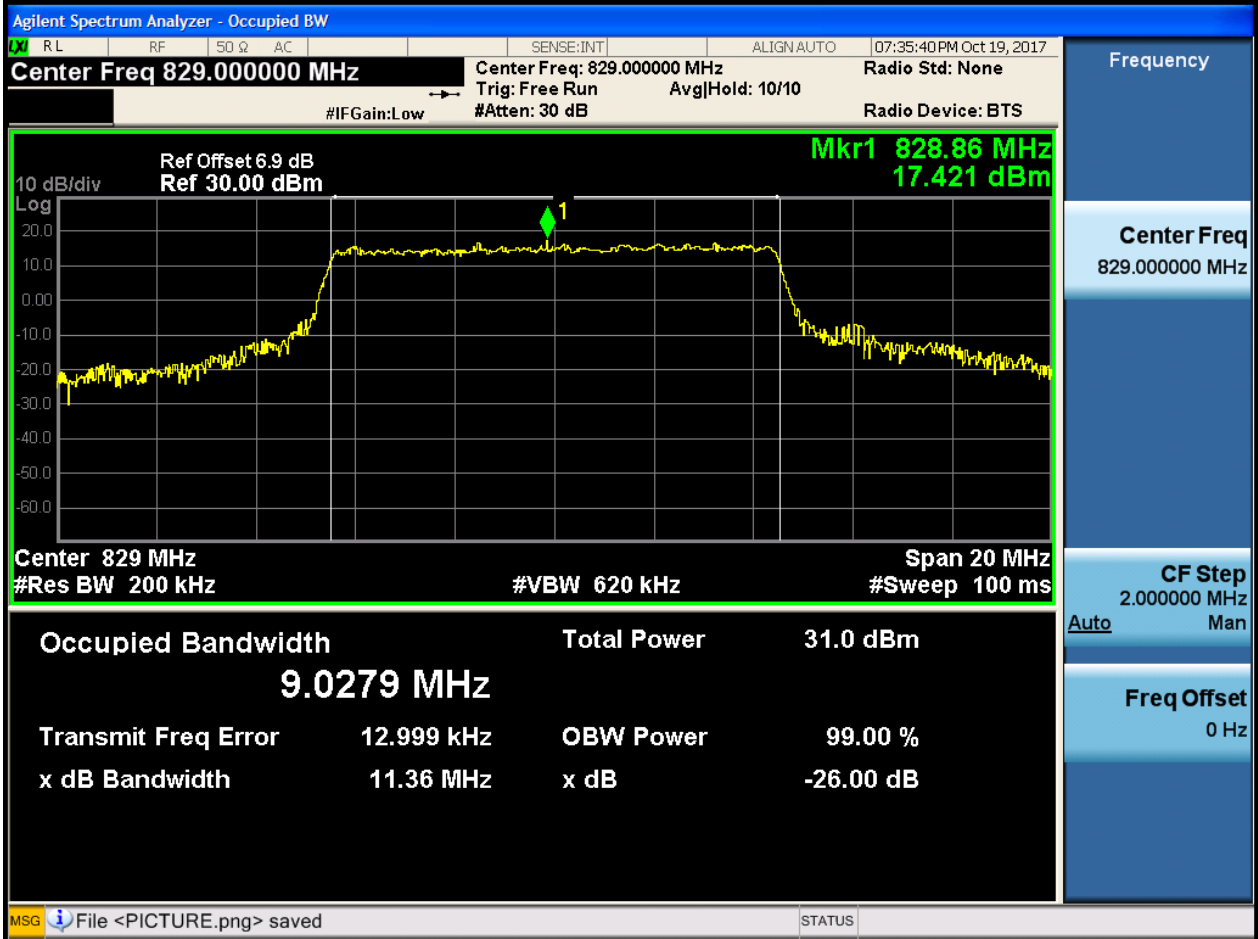




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

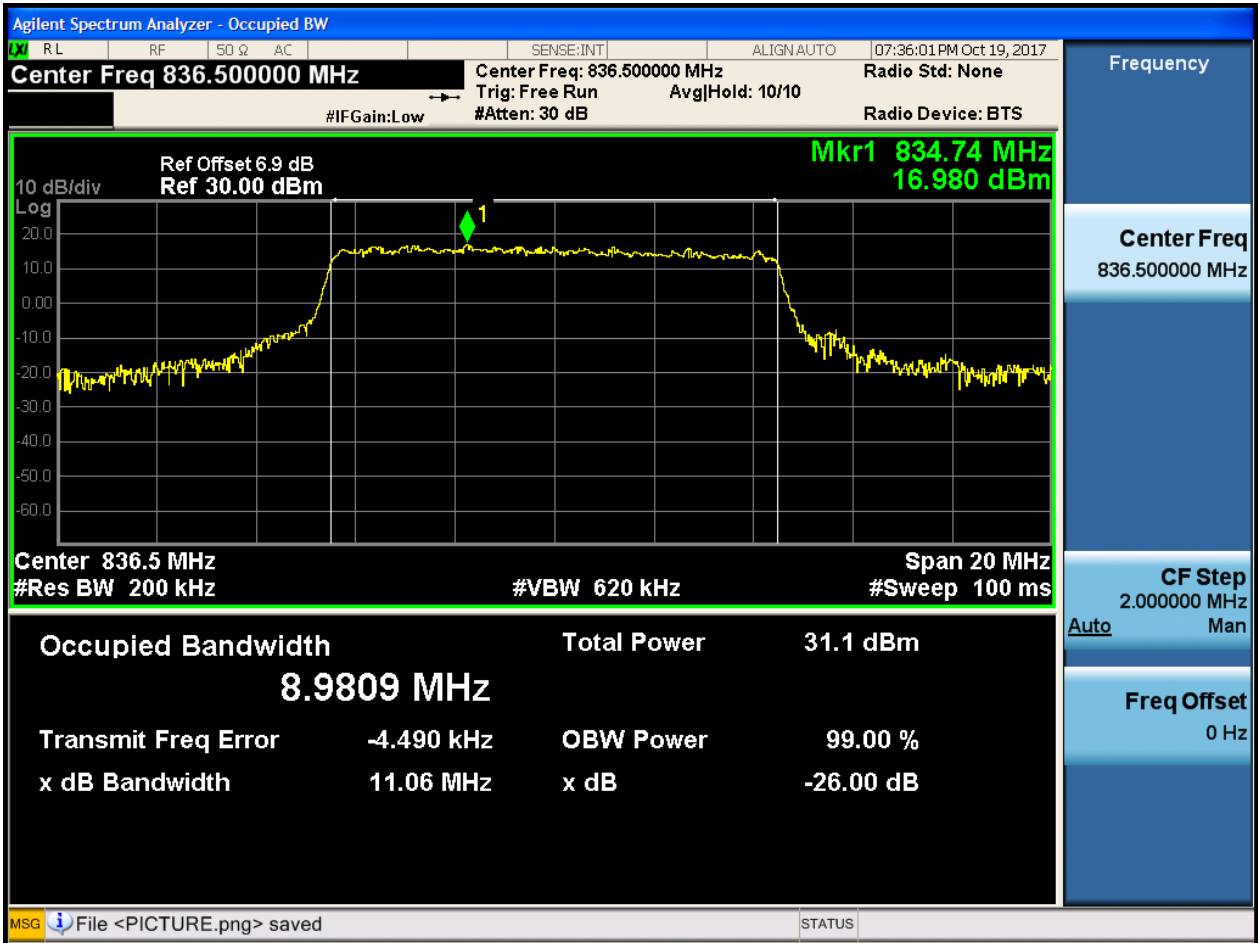
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

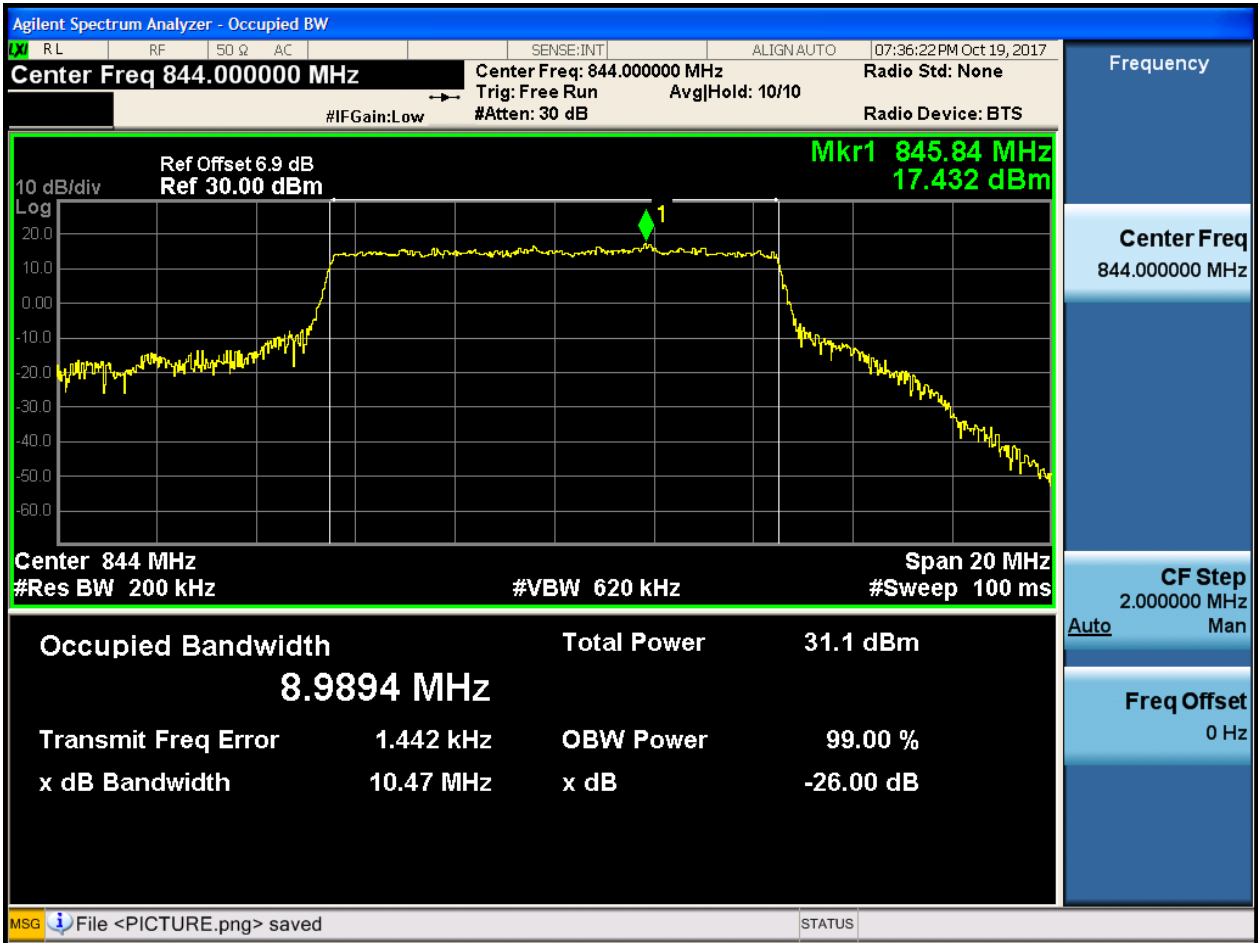
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



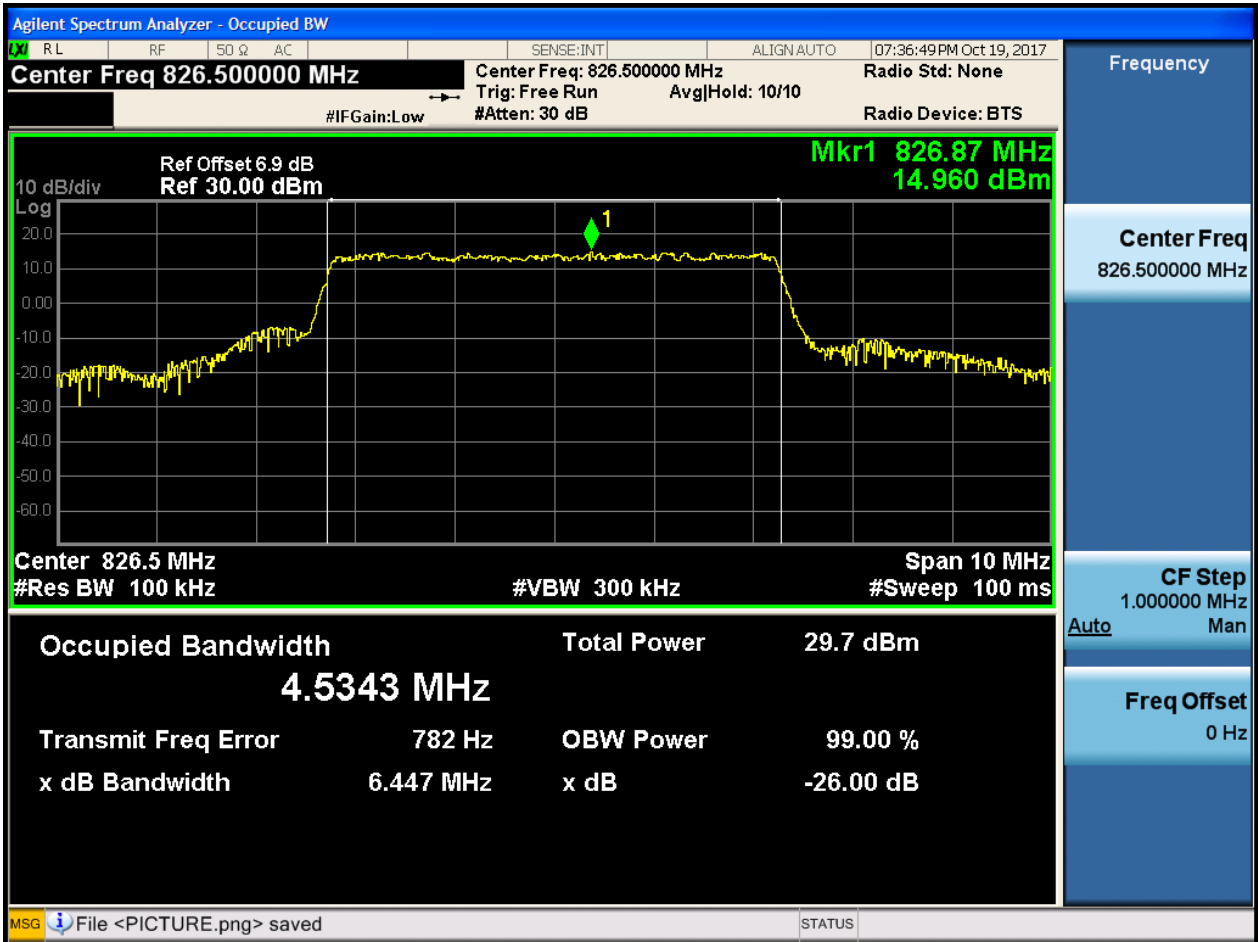


4.1.1.2 Test Mode = LTE/TM2

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

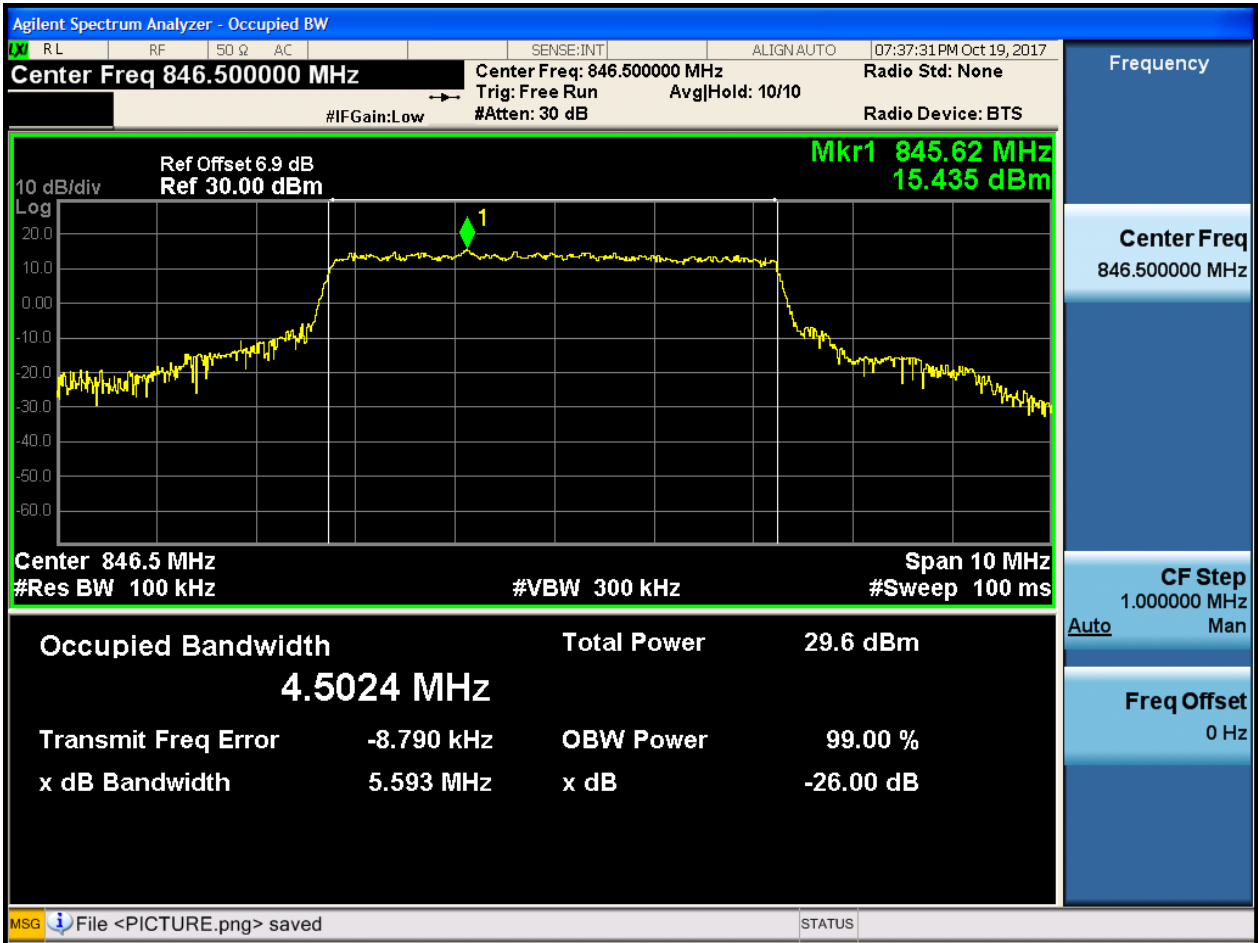
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

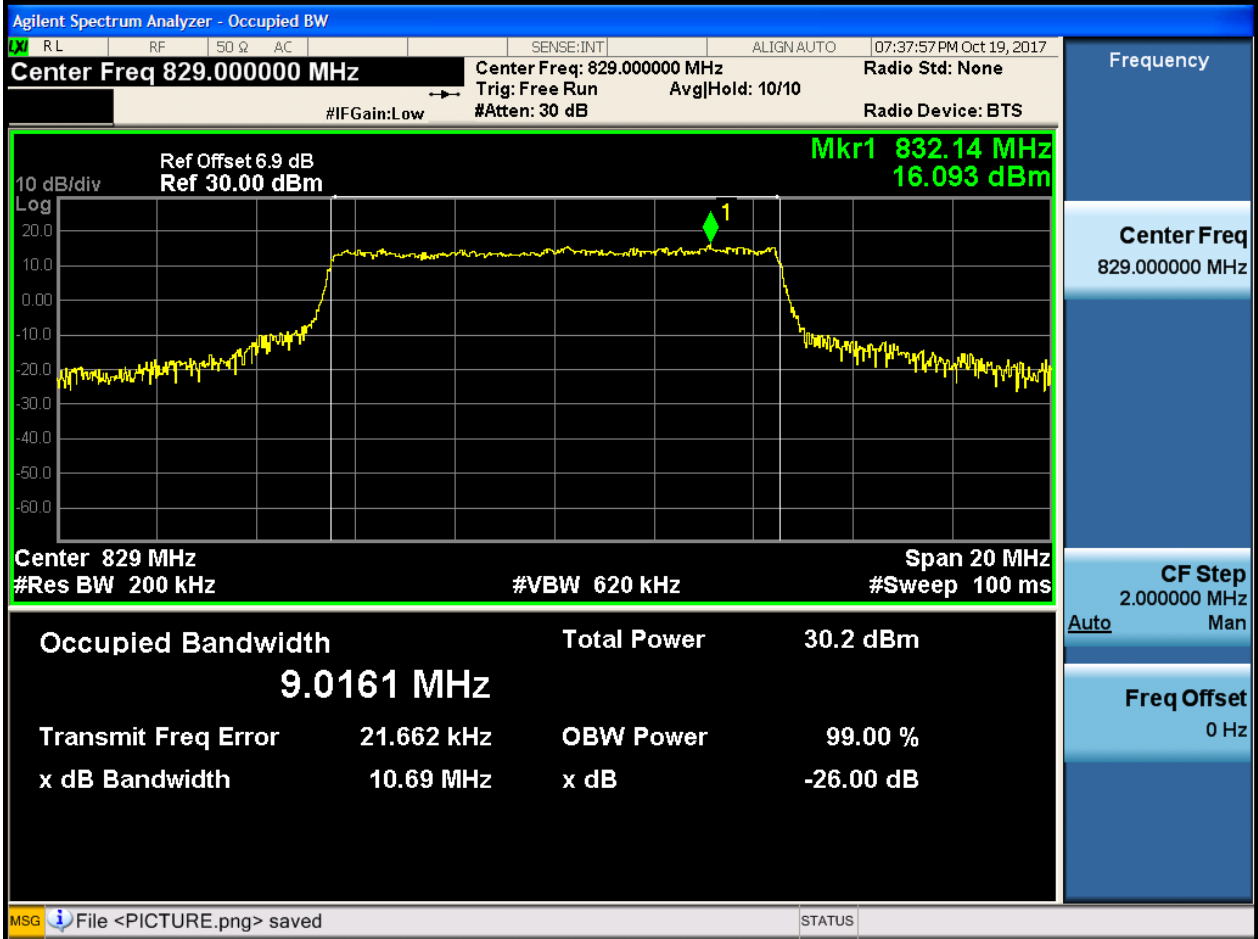




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

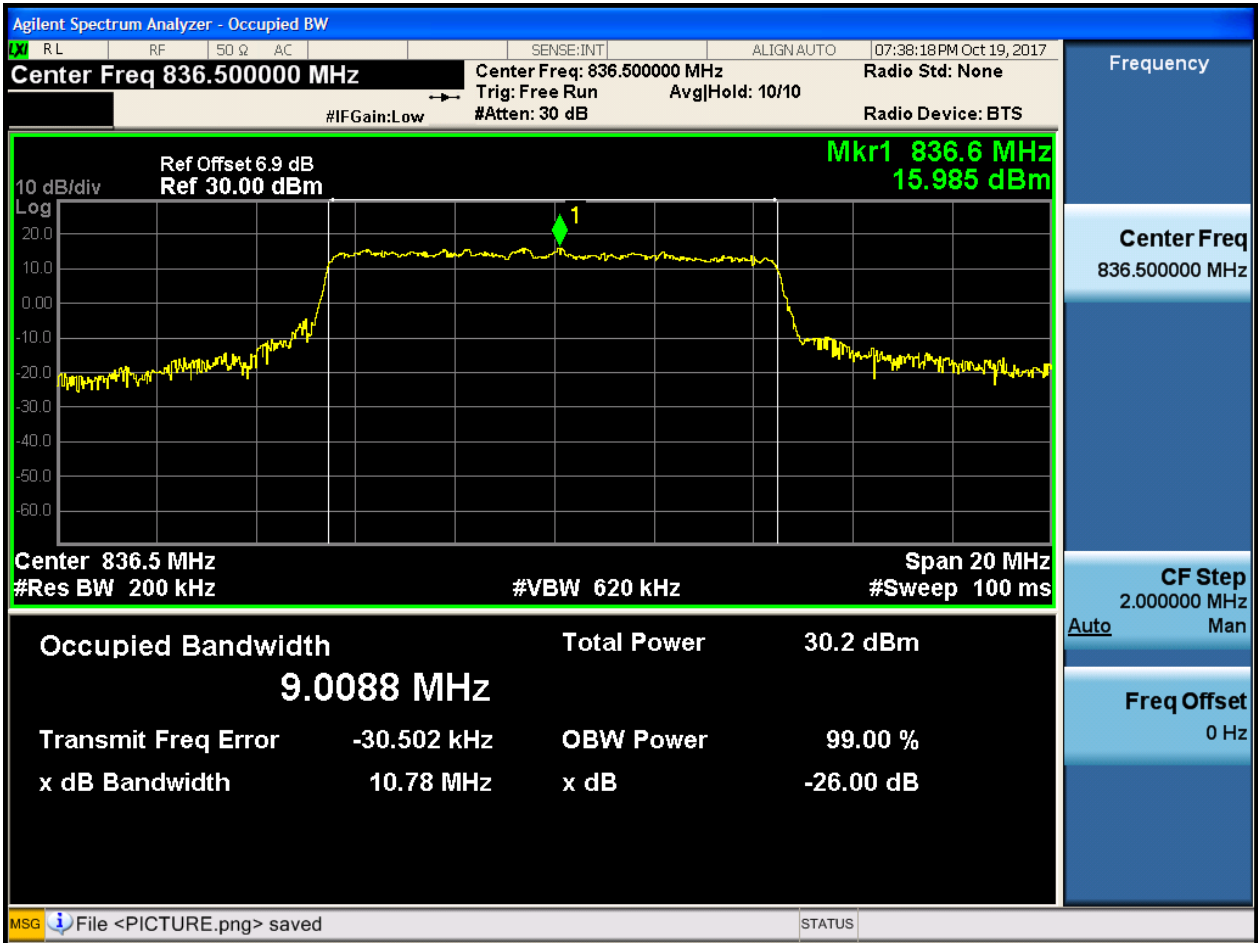
4.1.1.2.2.1.1 Test RB = RB50#0





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

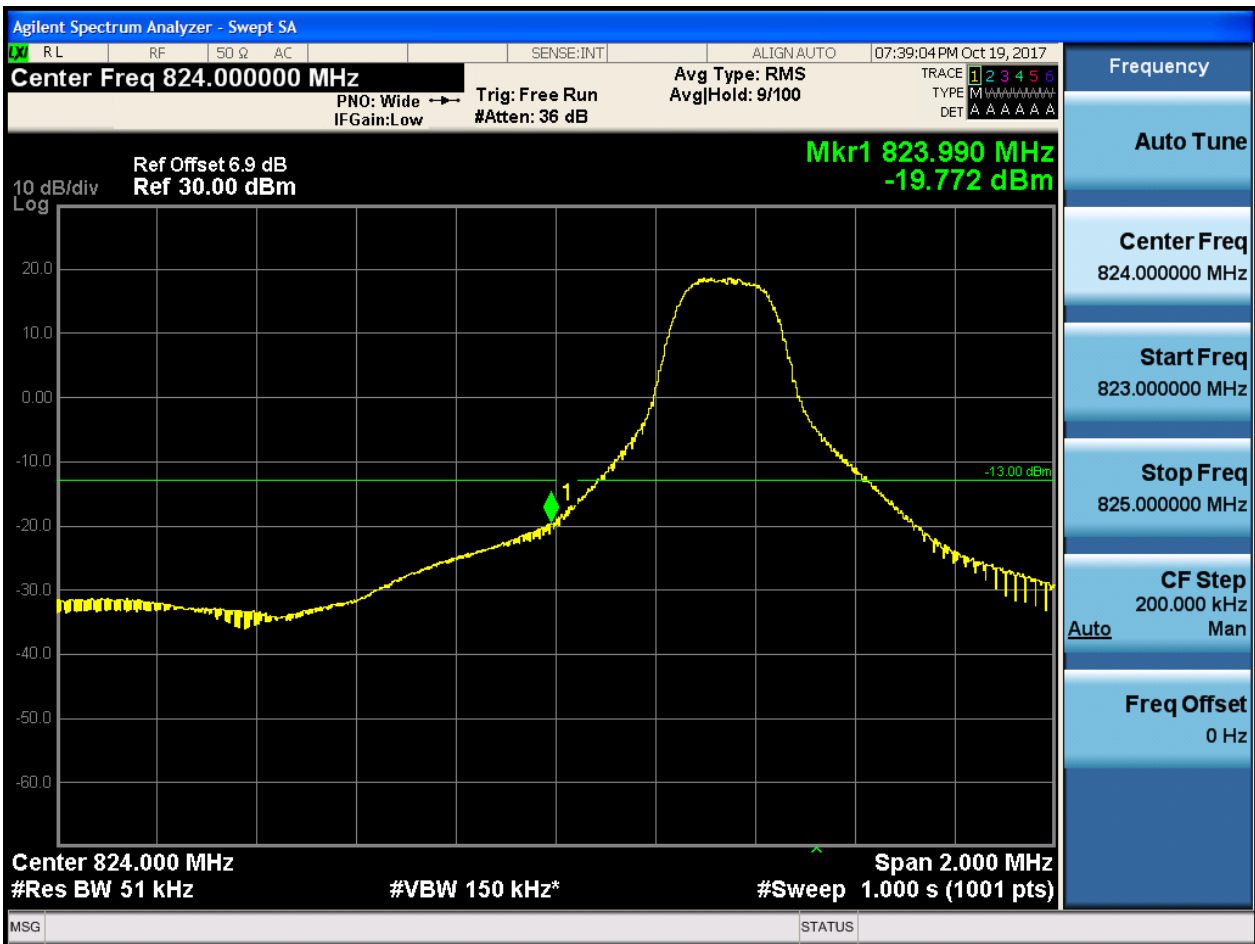
5.1.1 Test Band = BAND5

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

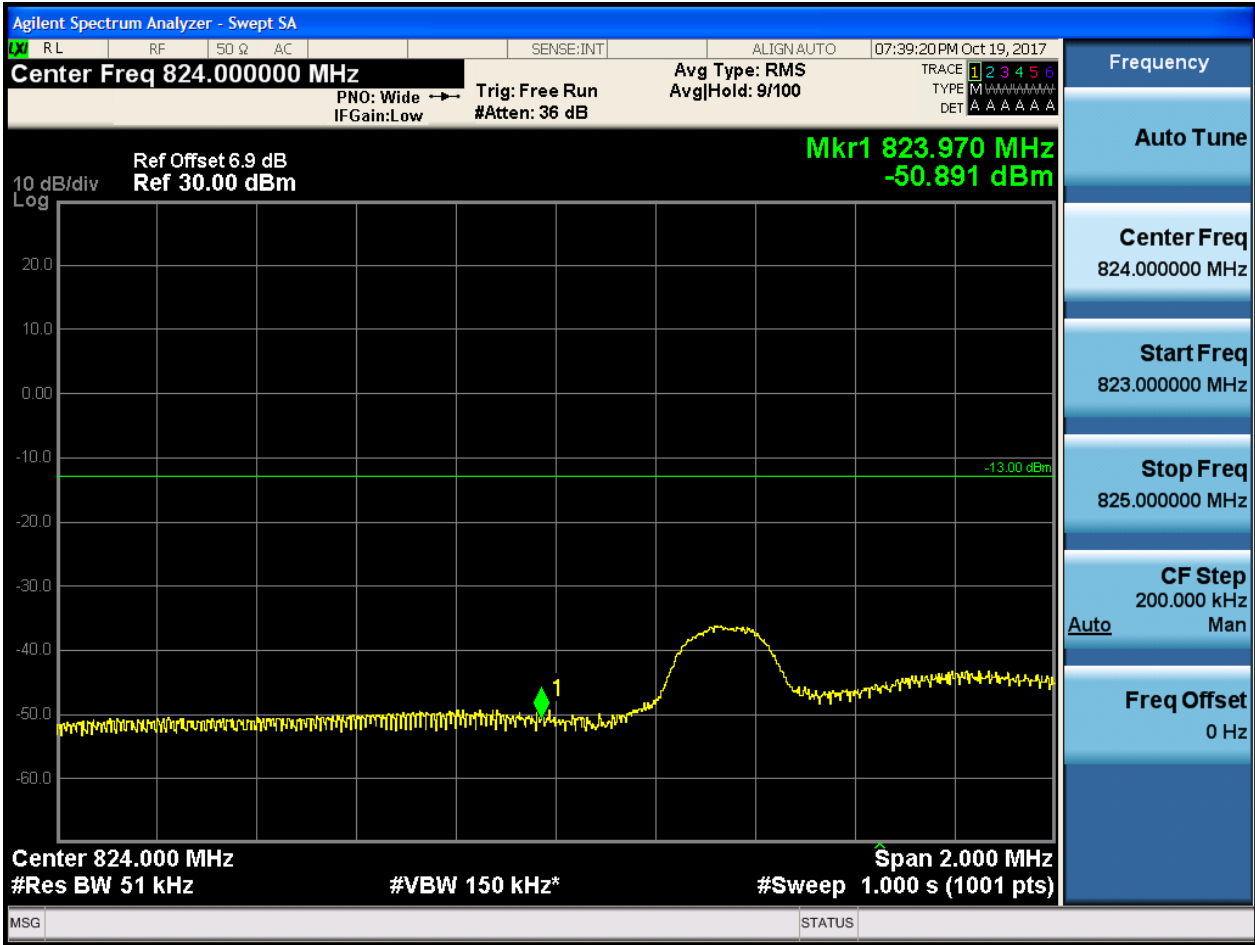
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24





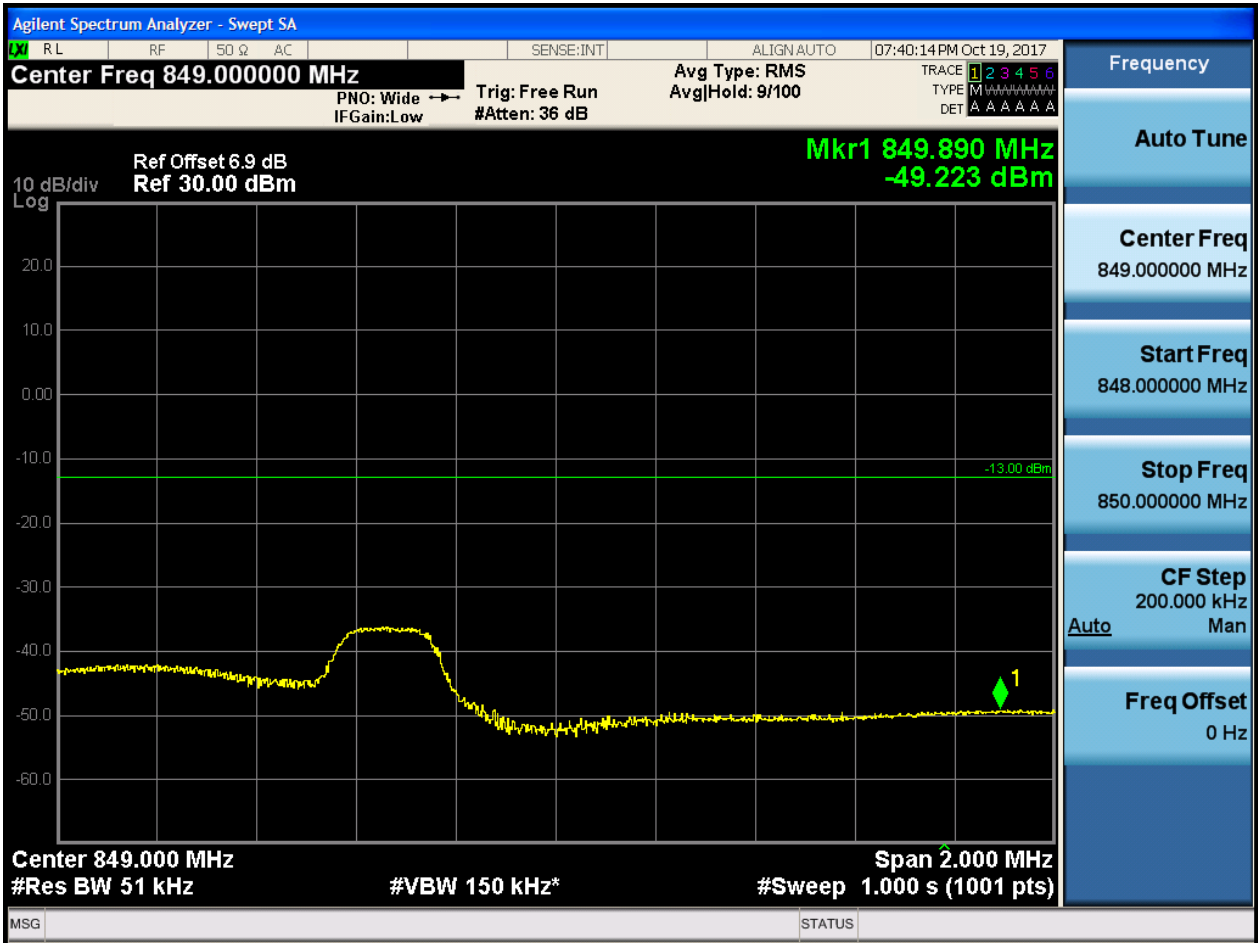
5.1.1.1.1.3 Test RB = RB12#6





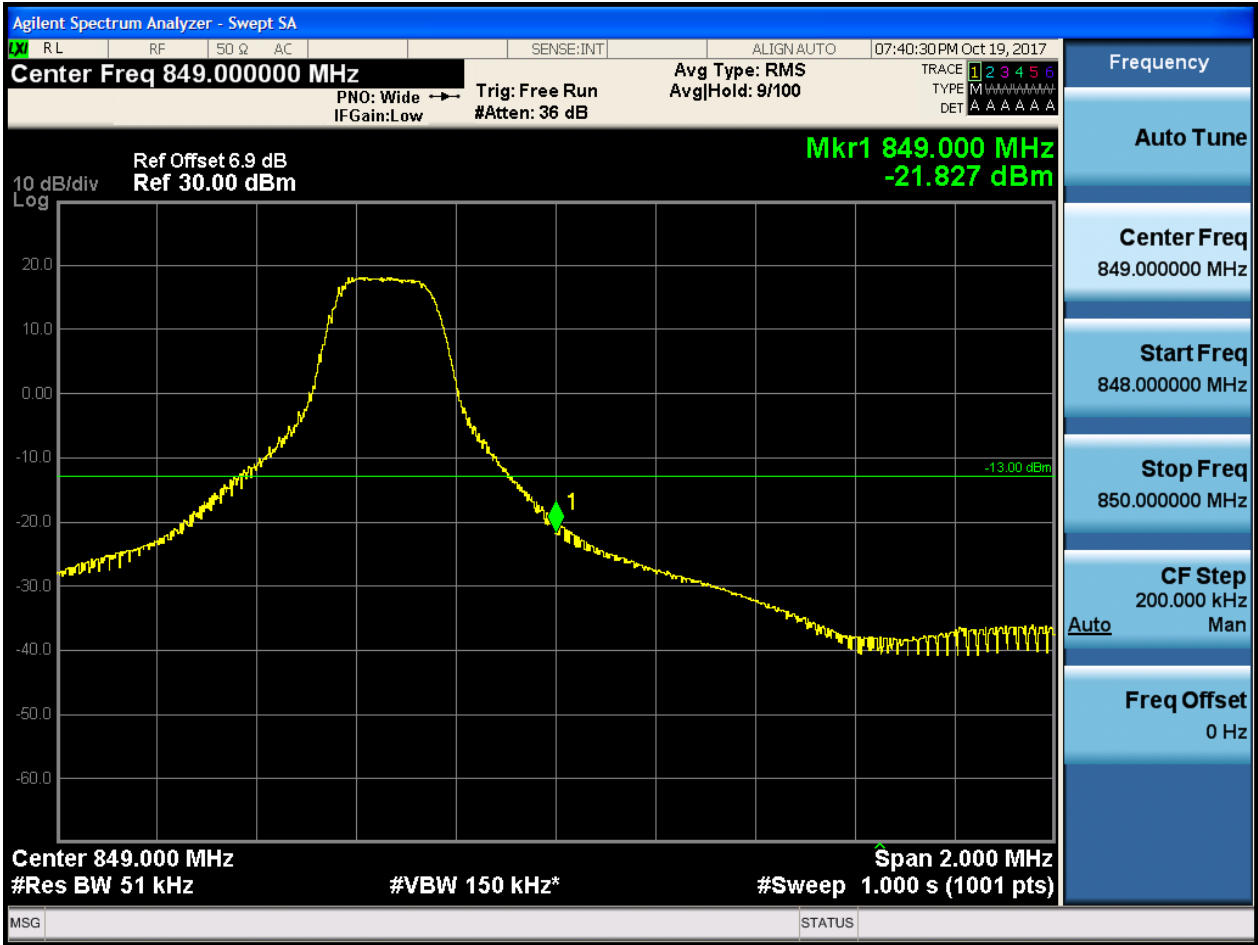
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#24



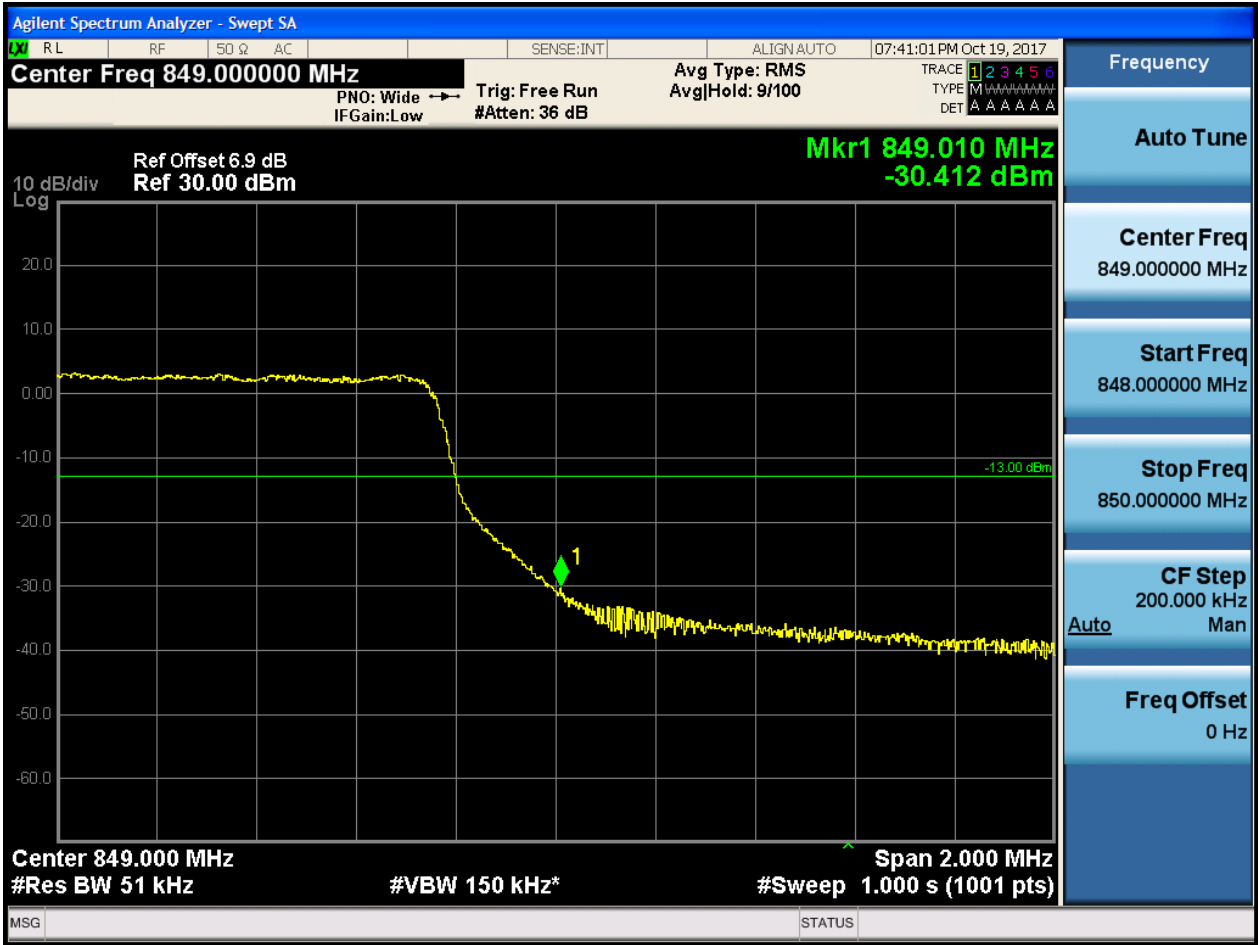


5.1.1.1.1.2.3 Test RB = RB12#6





5.1.1.1.1.2.4 Test RB = RB25#0

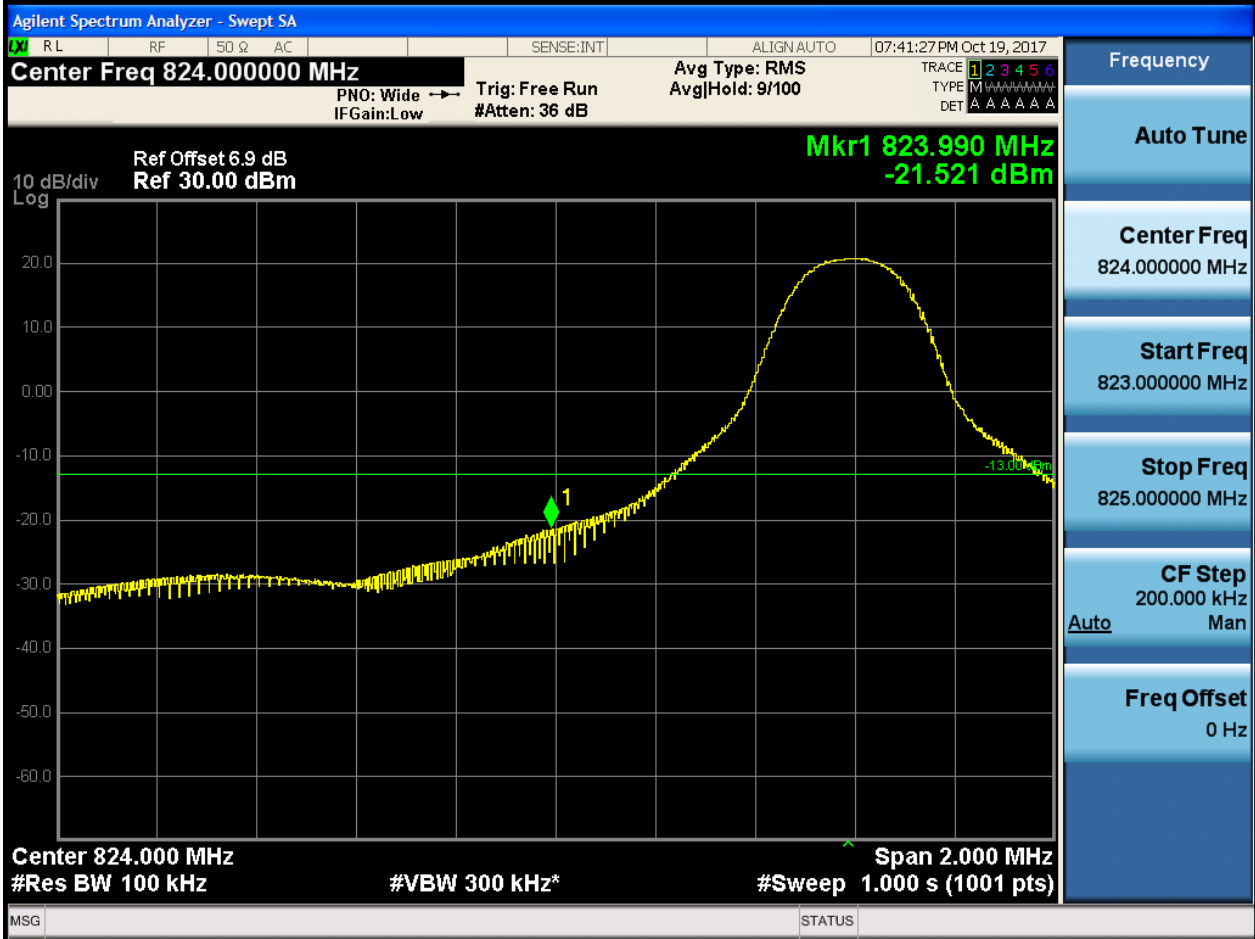




5.1.1.1.2 Test Bandwidth = 10

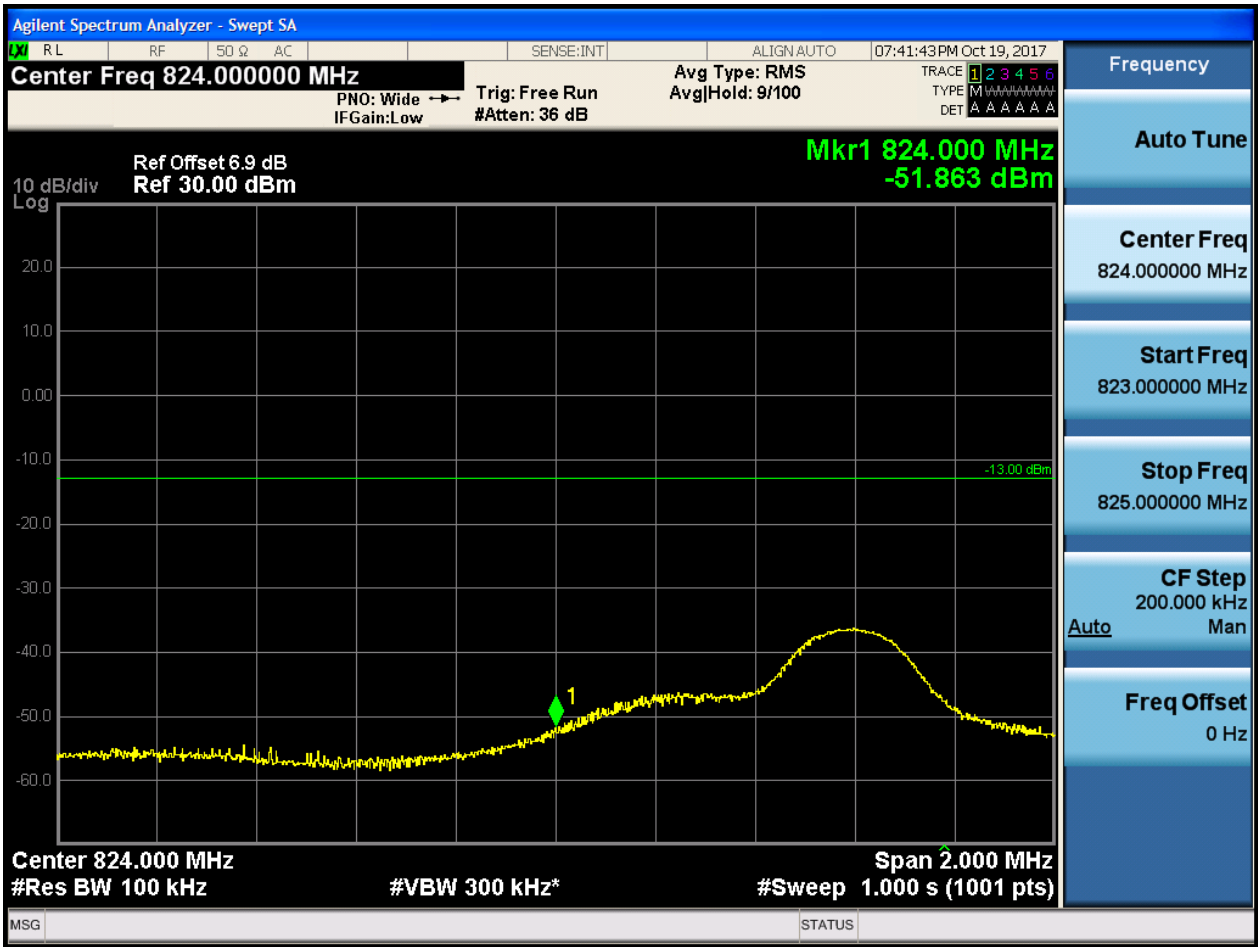
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



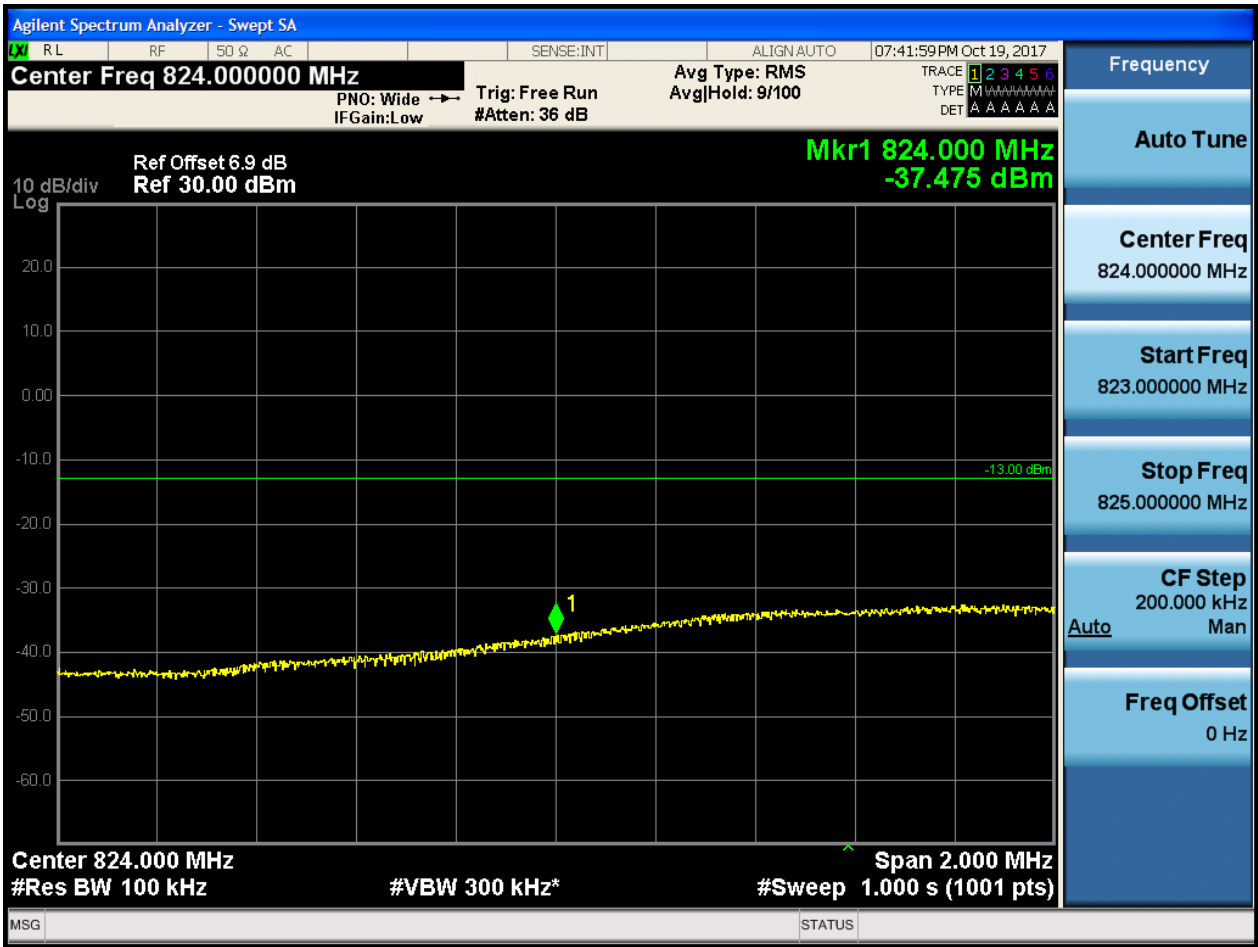


5.1.1.1.2.1.2 Test RB = RB1#49



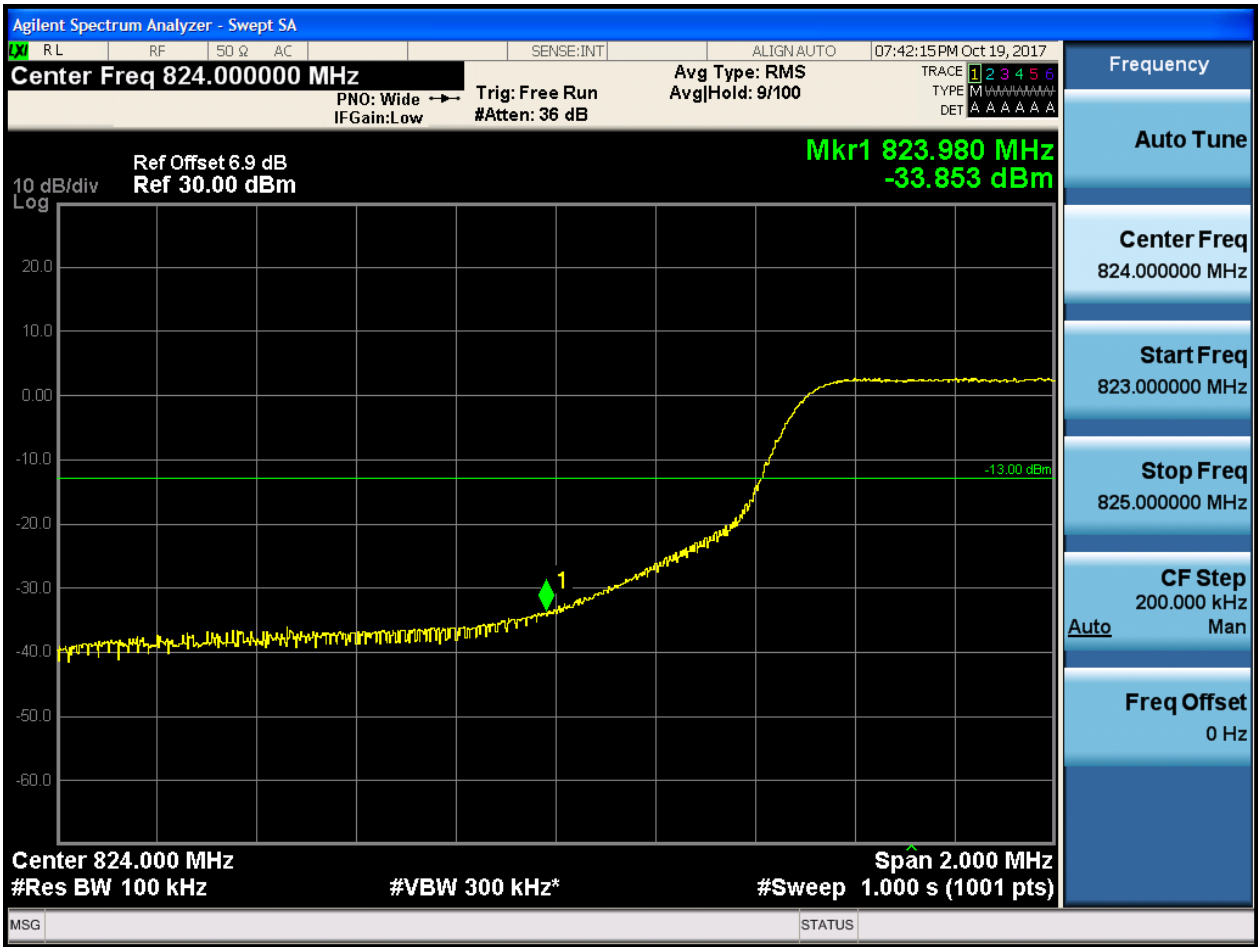


5.1.1.1.2.1.3 Test RB = RB25#13





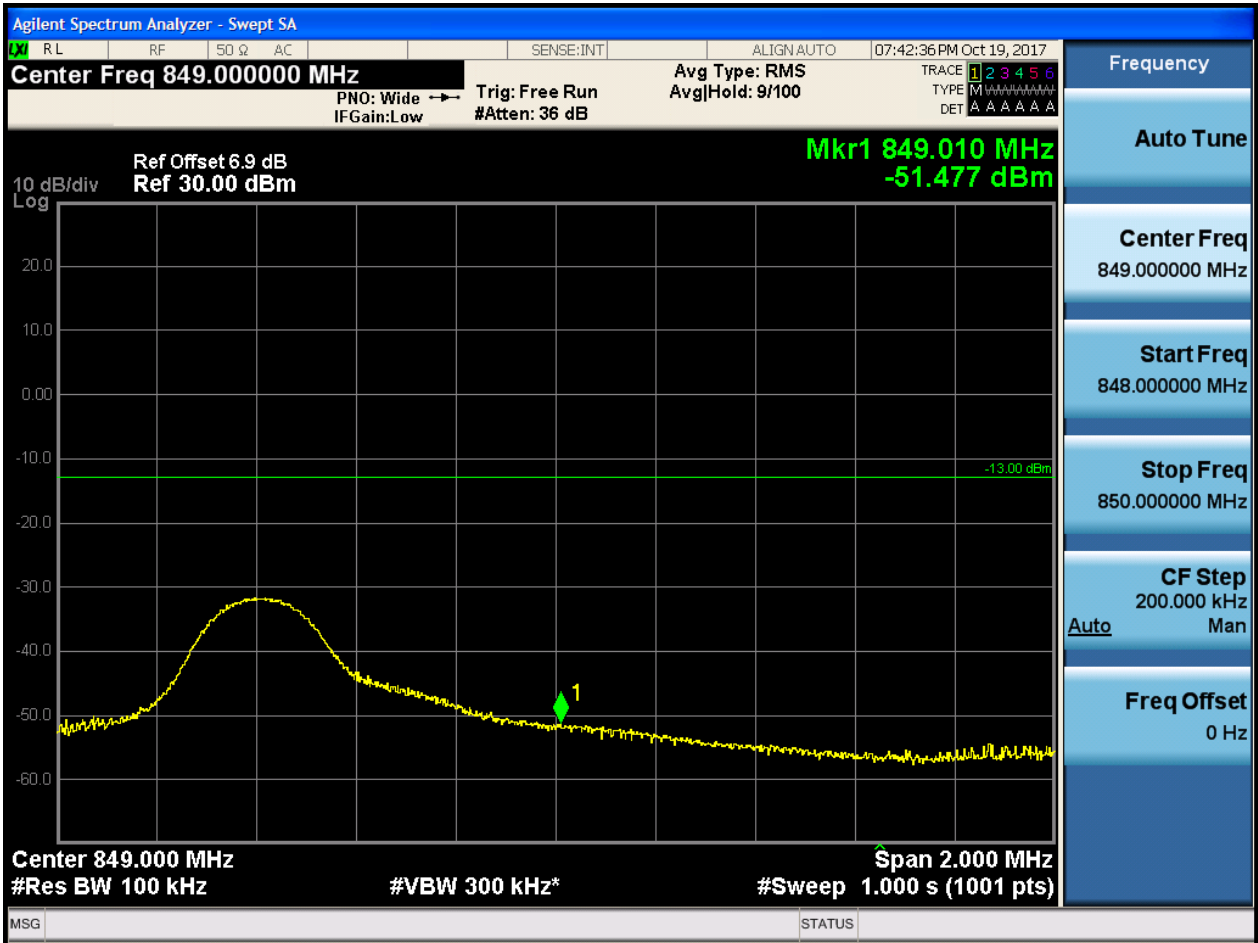
5.1.1.1.2.1.4 Test RB = RB50#0





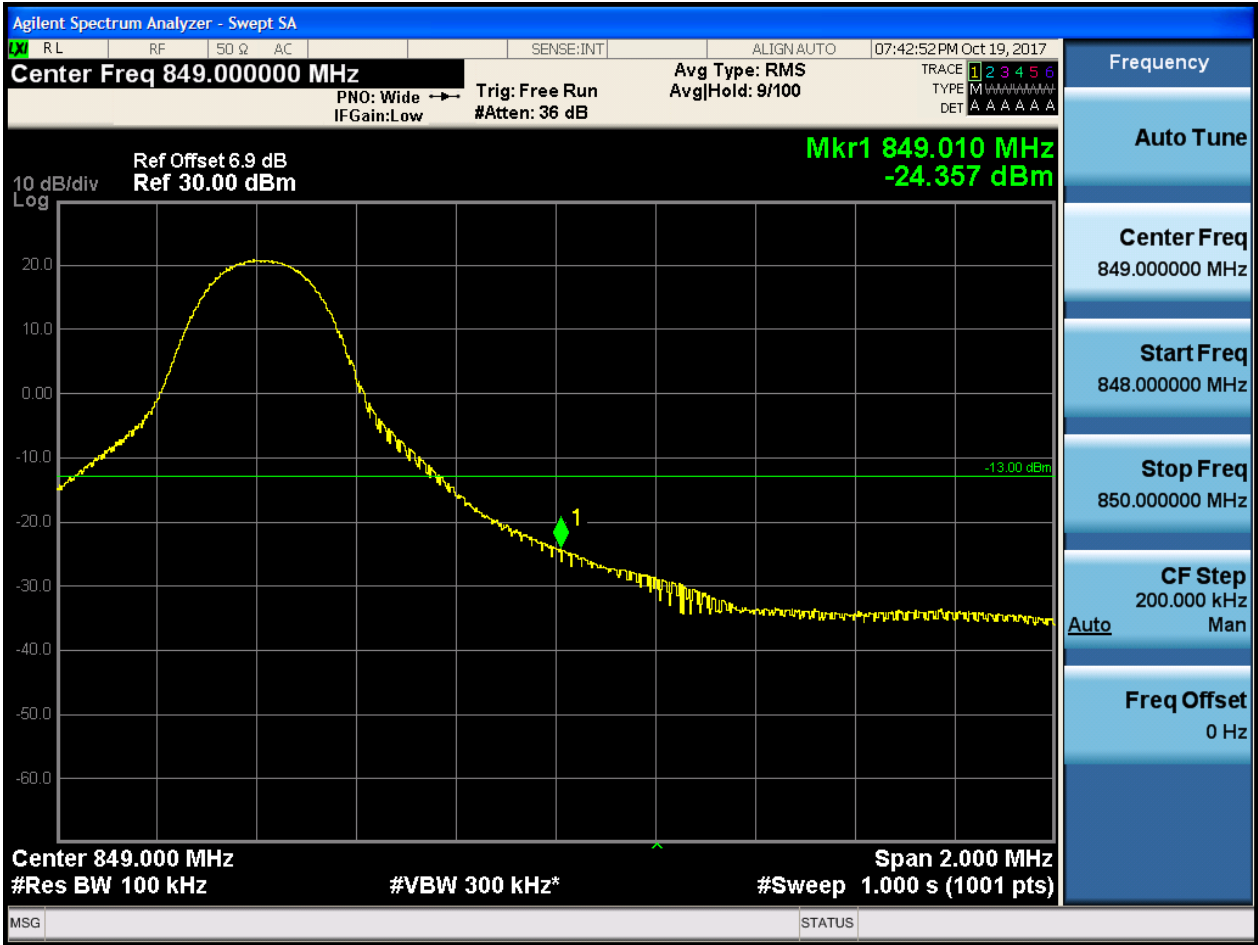
5.1.1.1.2.2 Test Channel = HCH

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



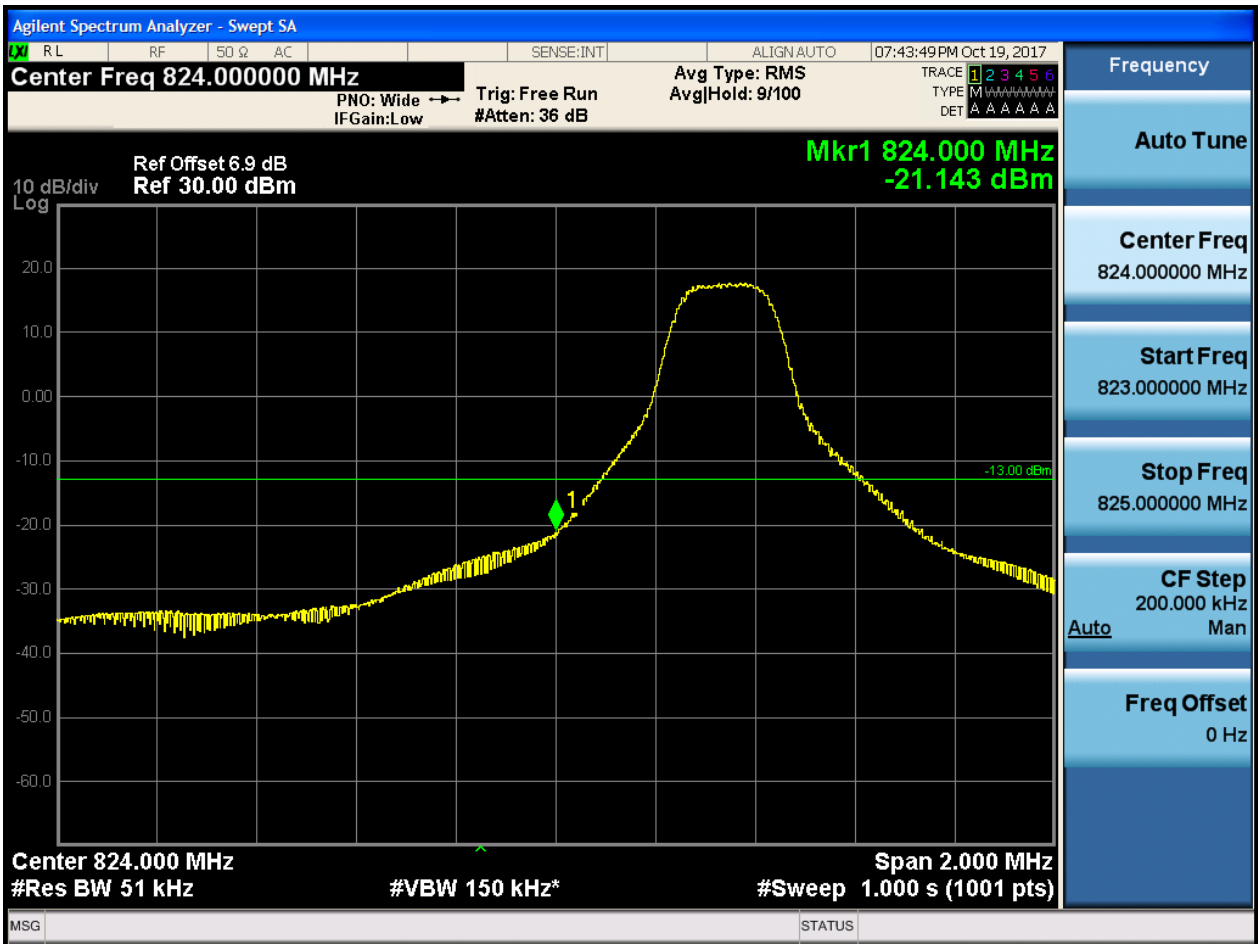


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

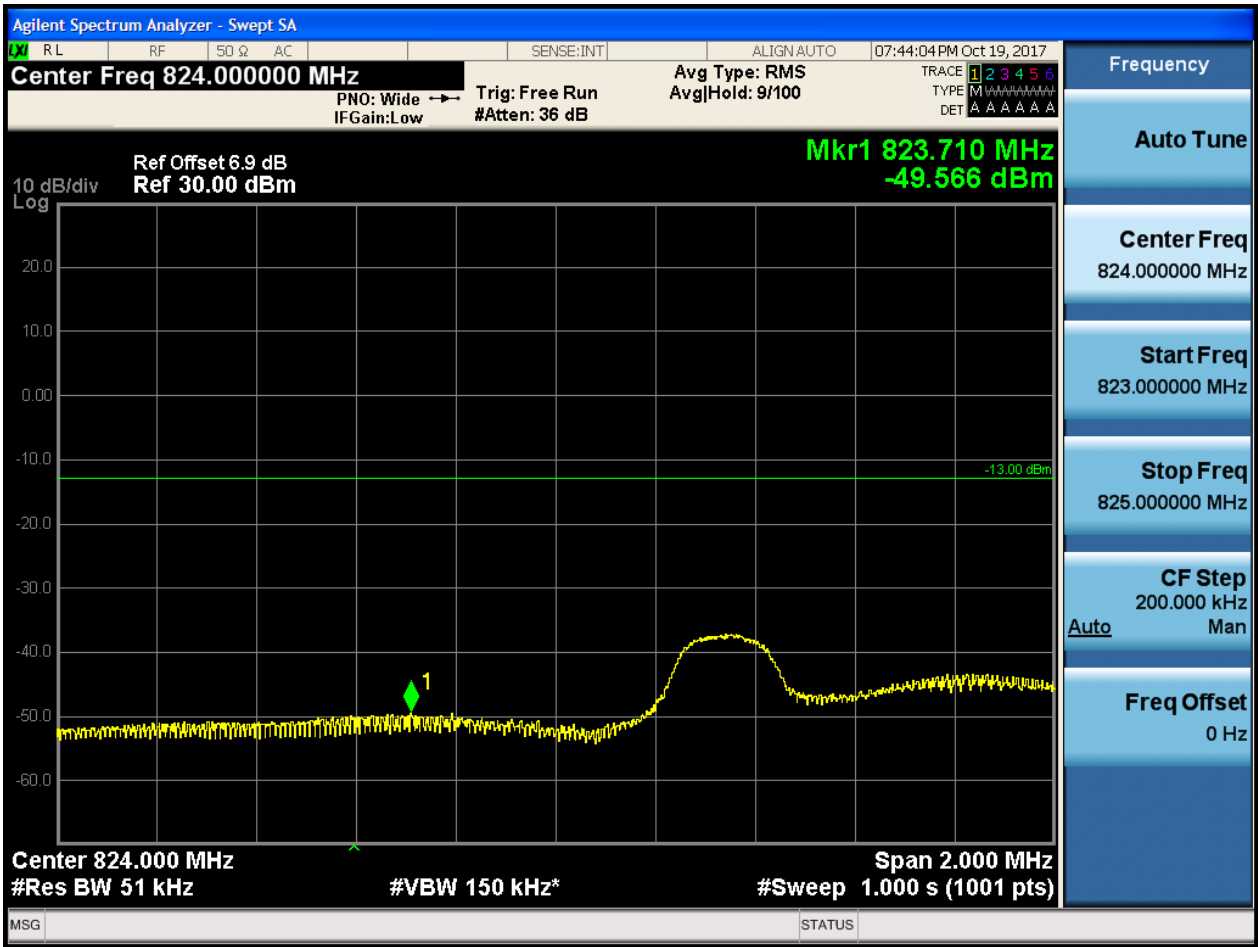
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#24



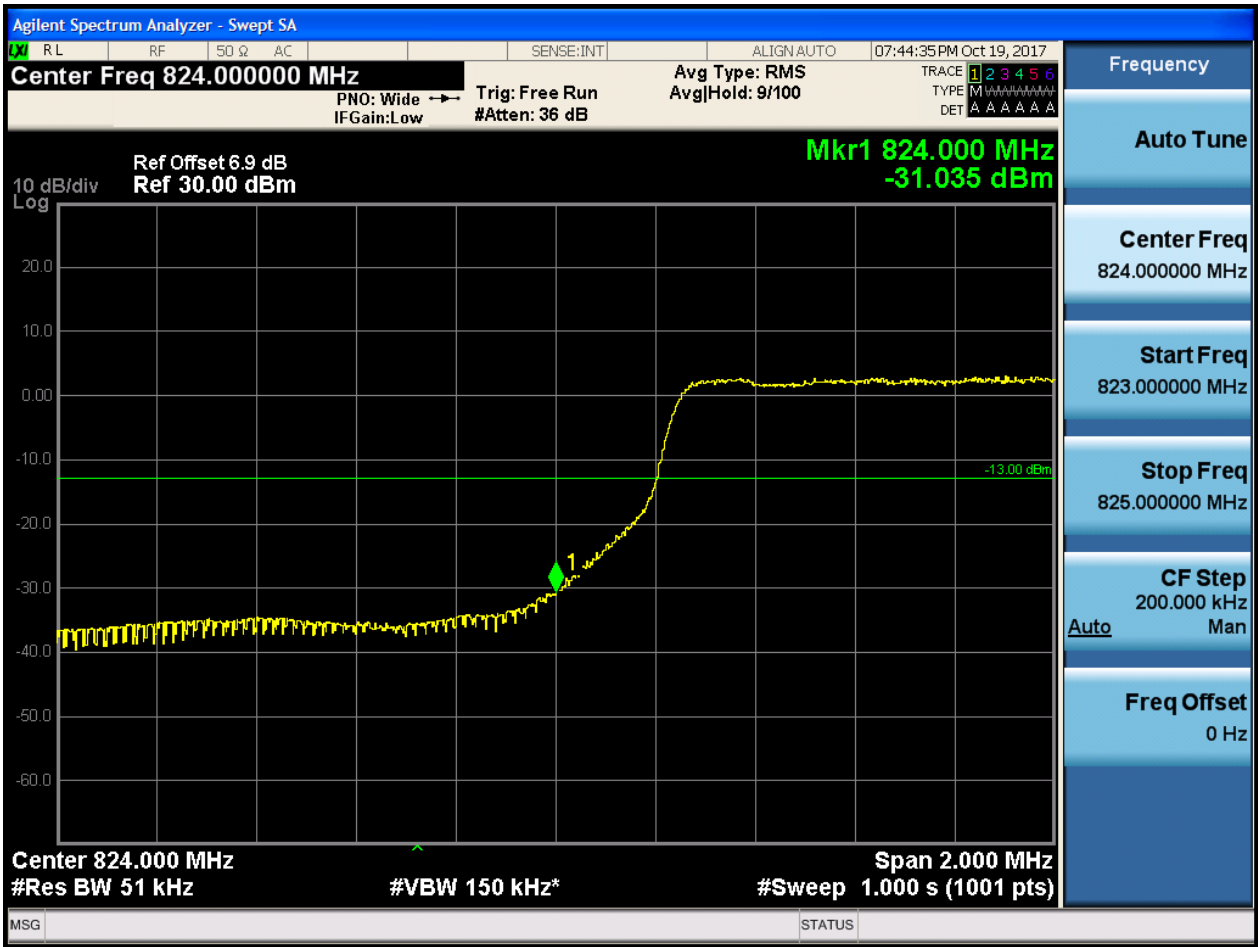


5.1.1.2.1.1.3 Test RB = RB12#6





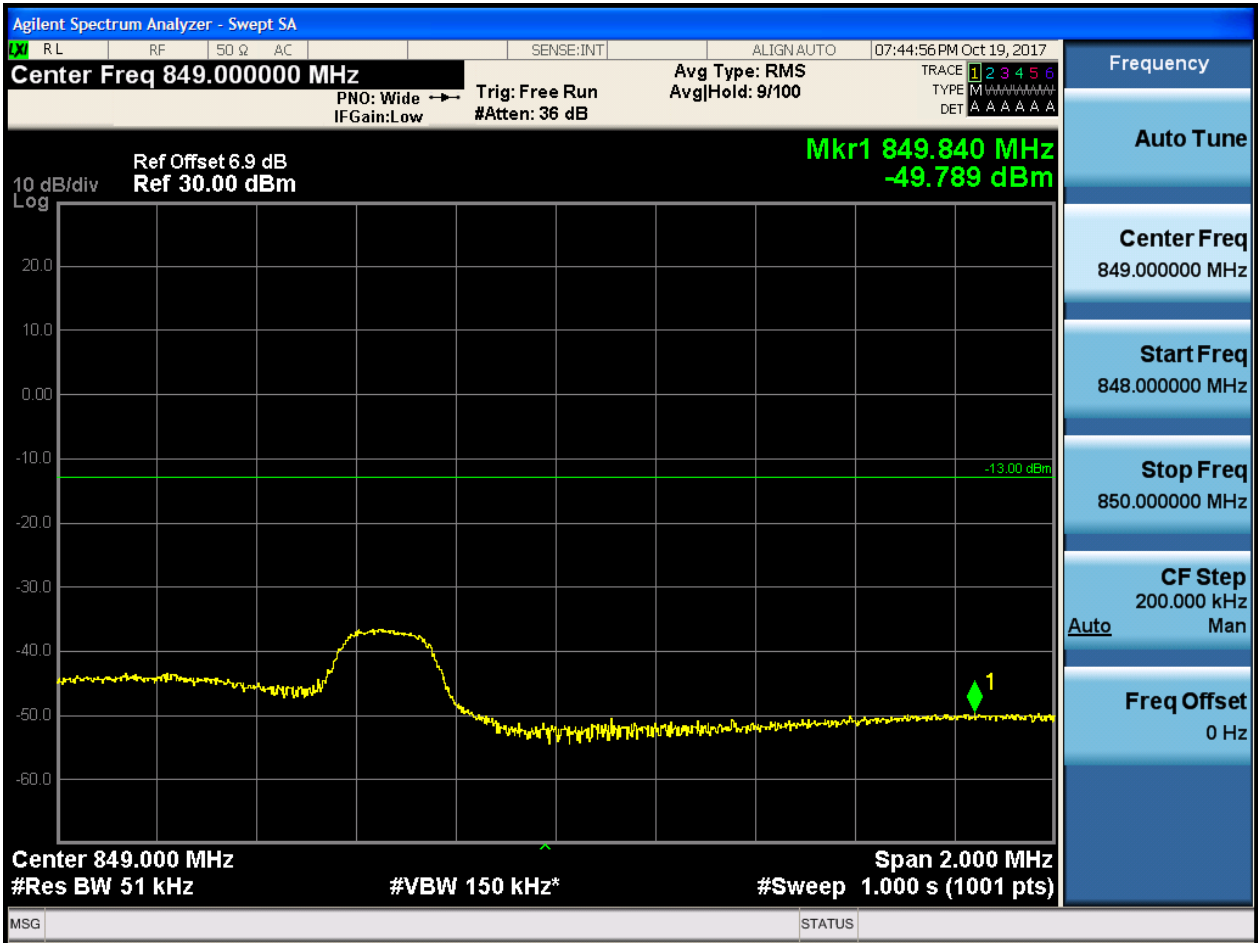
5.1.1.2.1.1.4 Test RB = RB25#0





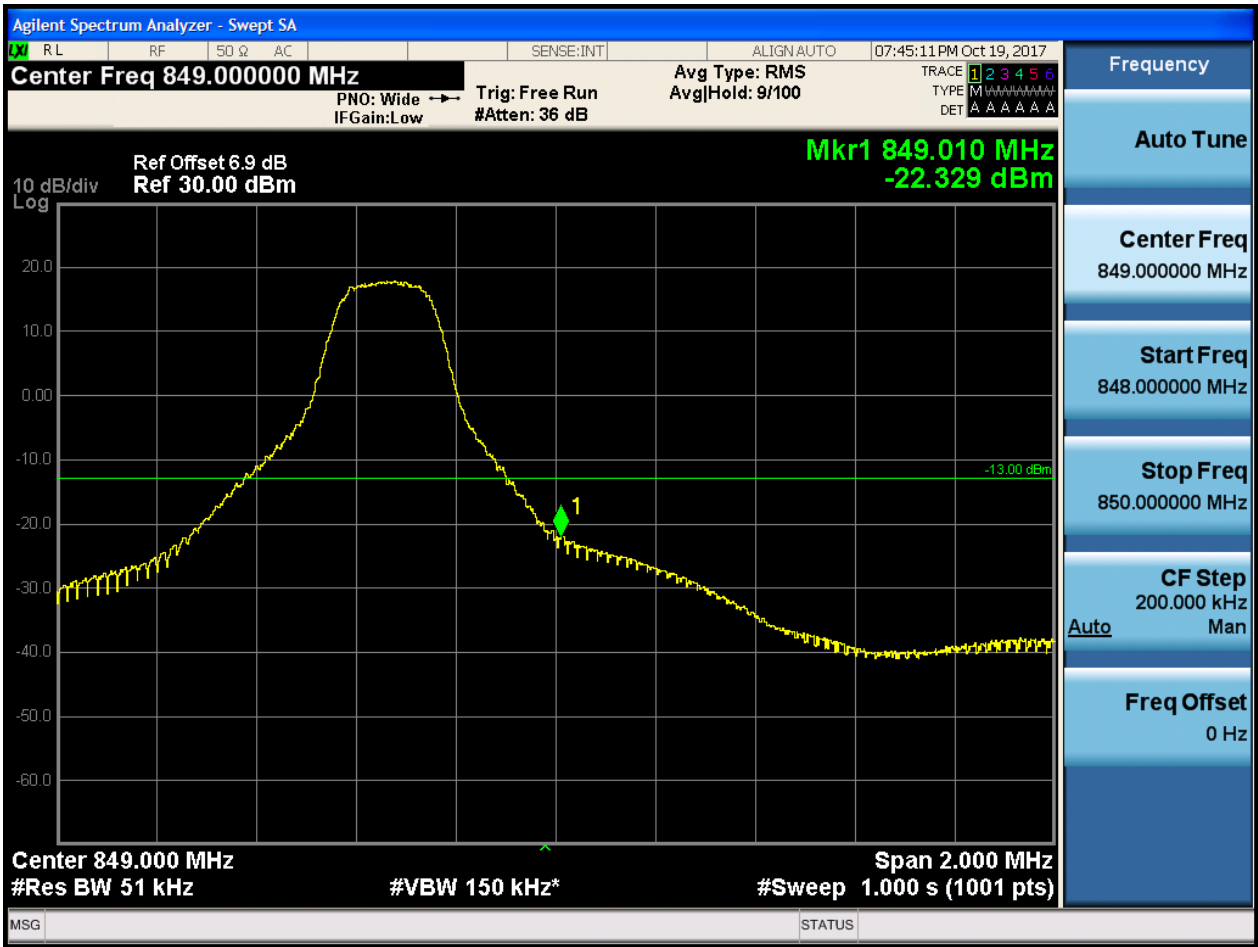
5.1.1.2.1.2 Test Channel = HCH

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

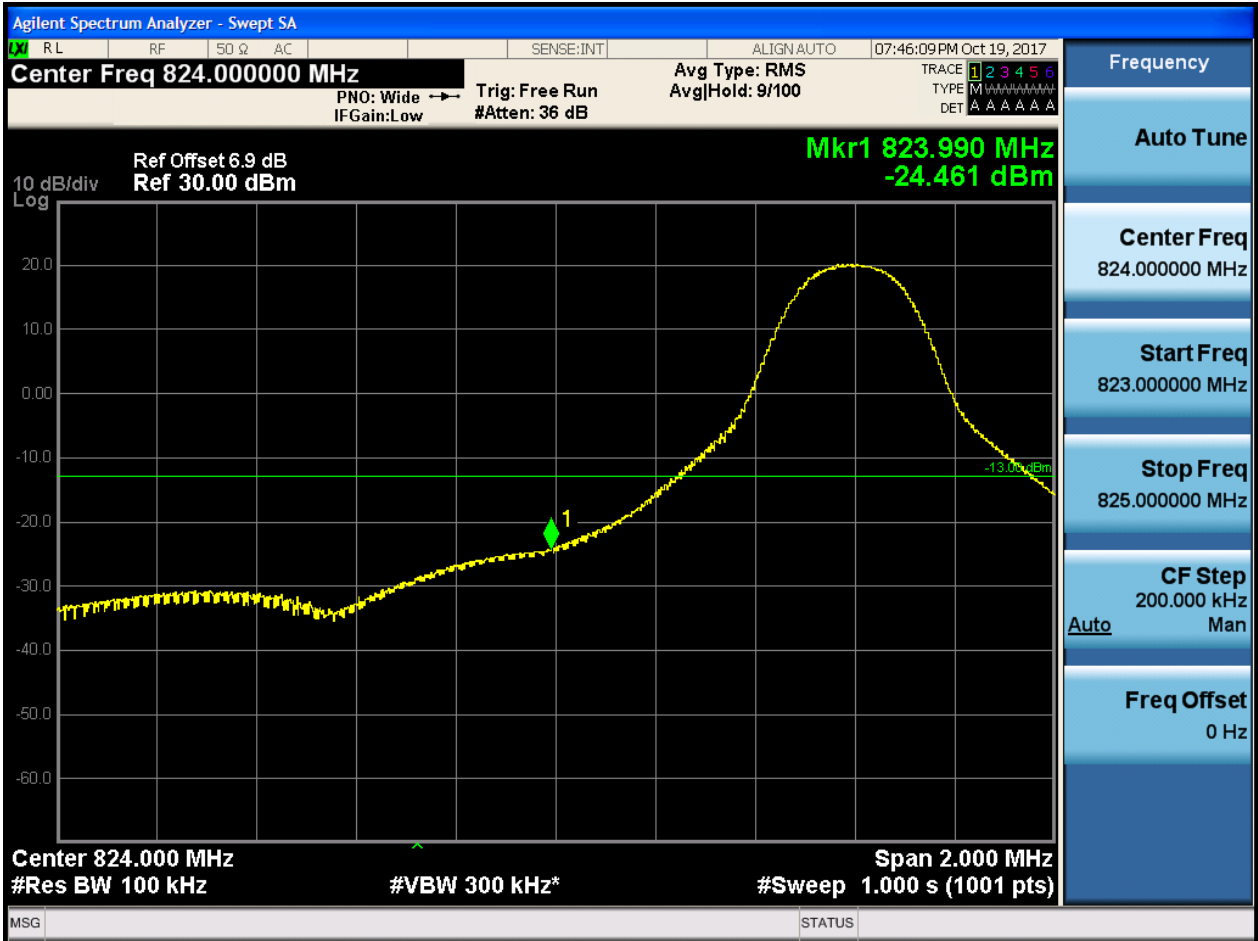




5.1.1.2.2 Test Bandwidth = 10

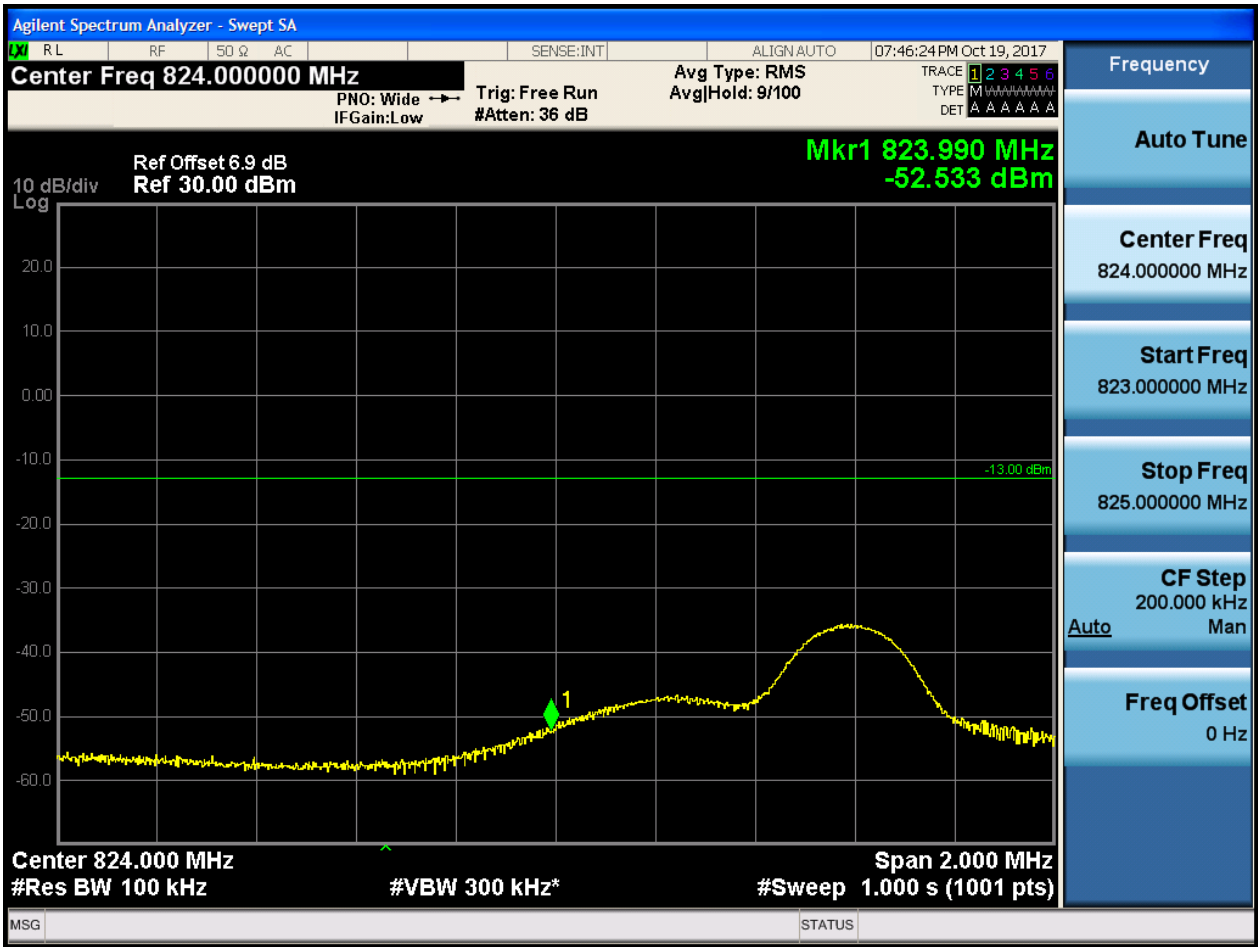
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



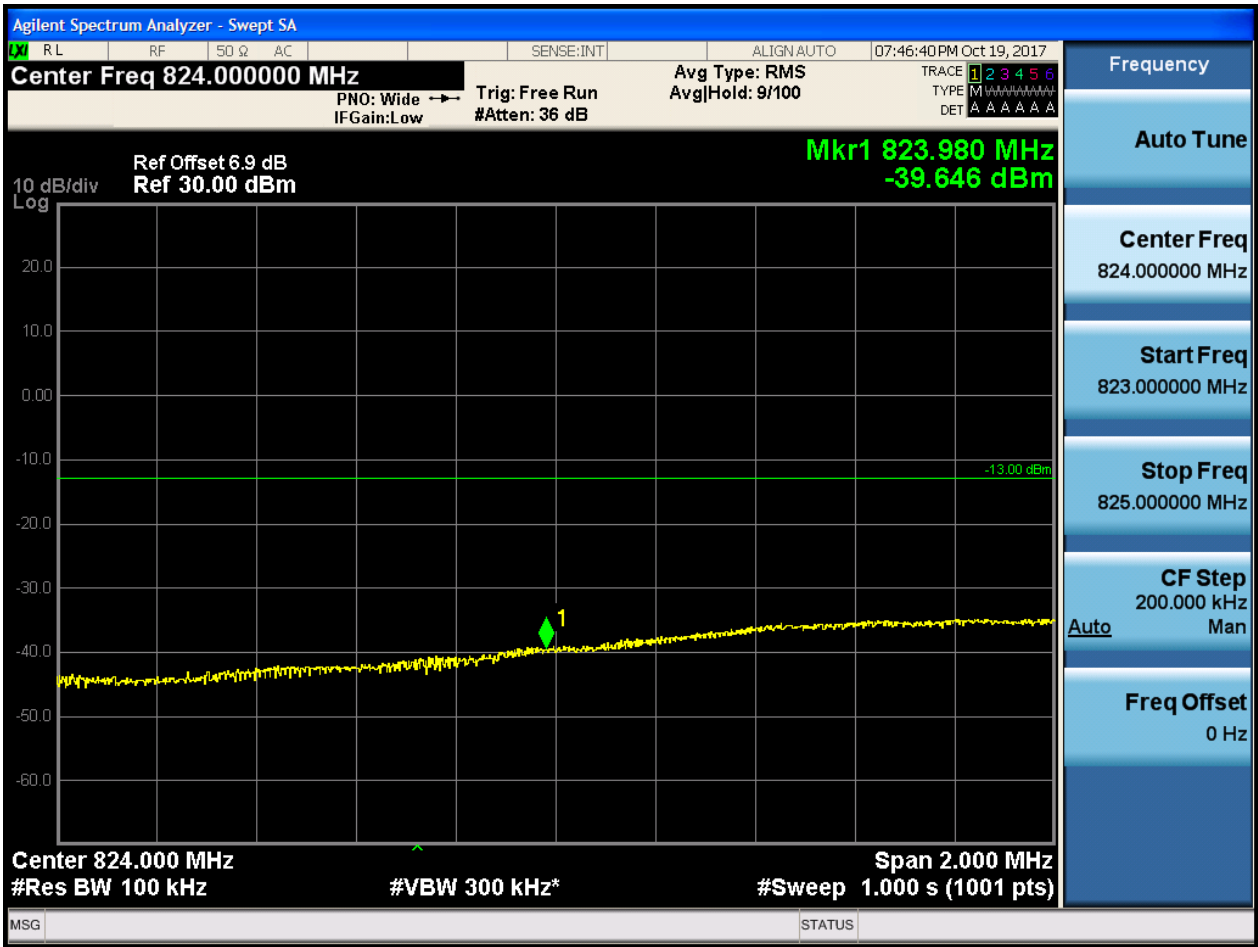


5.1.1.2.2.1.2 Test RB = RB1#49





5.1.1.2.2.1.3 Test RB = RB25#13





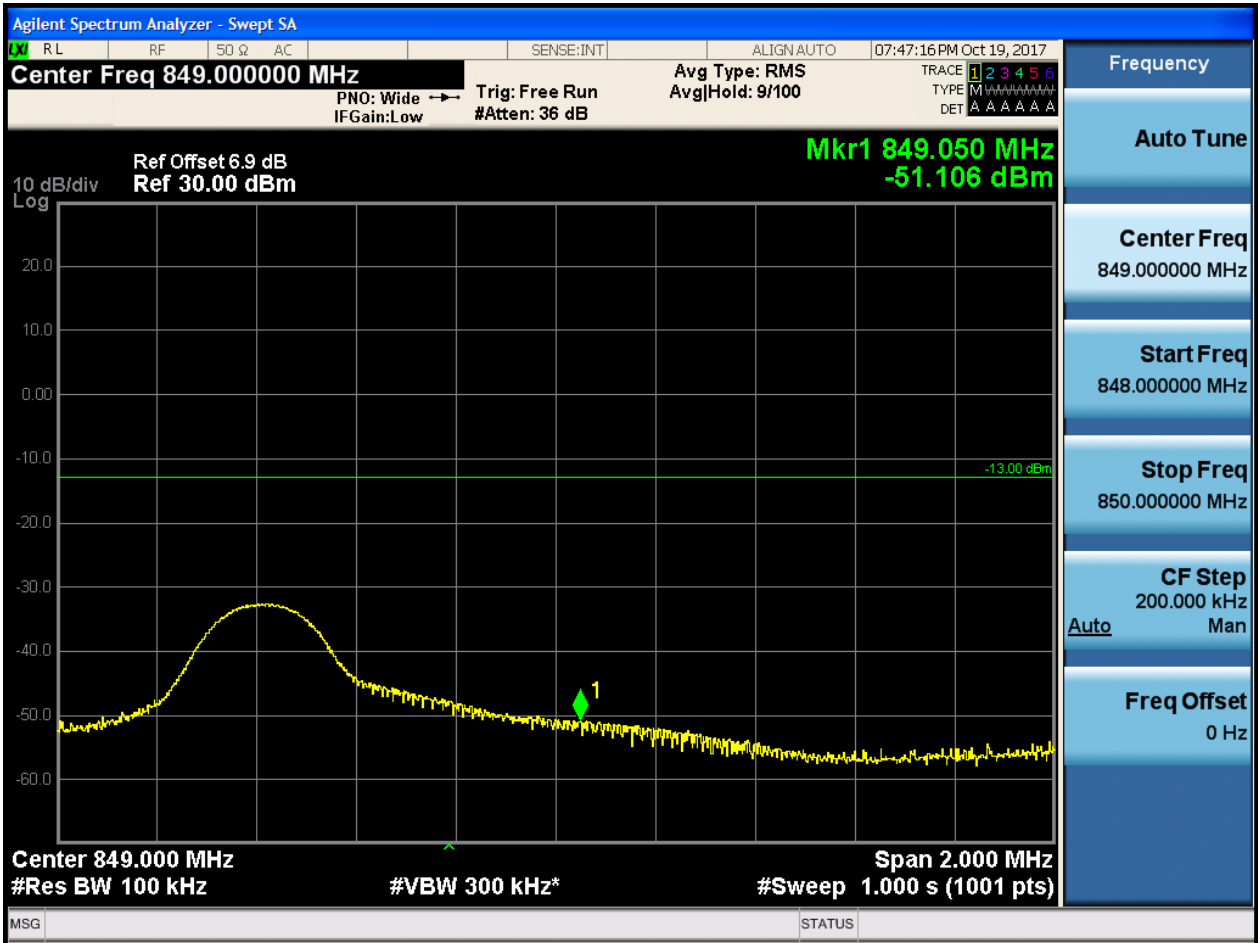
5.1.1.2.2.1.4 Test RB = RB50#0





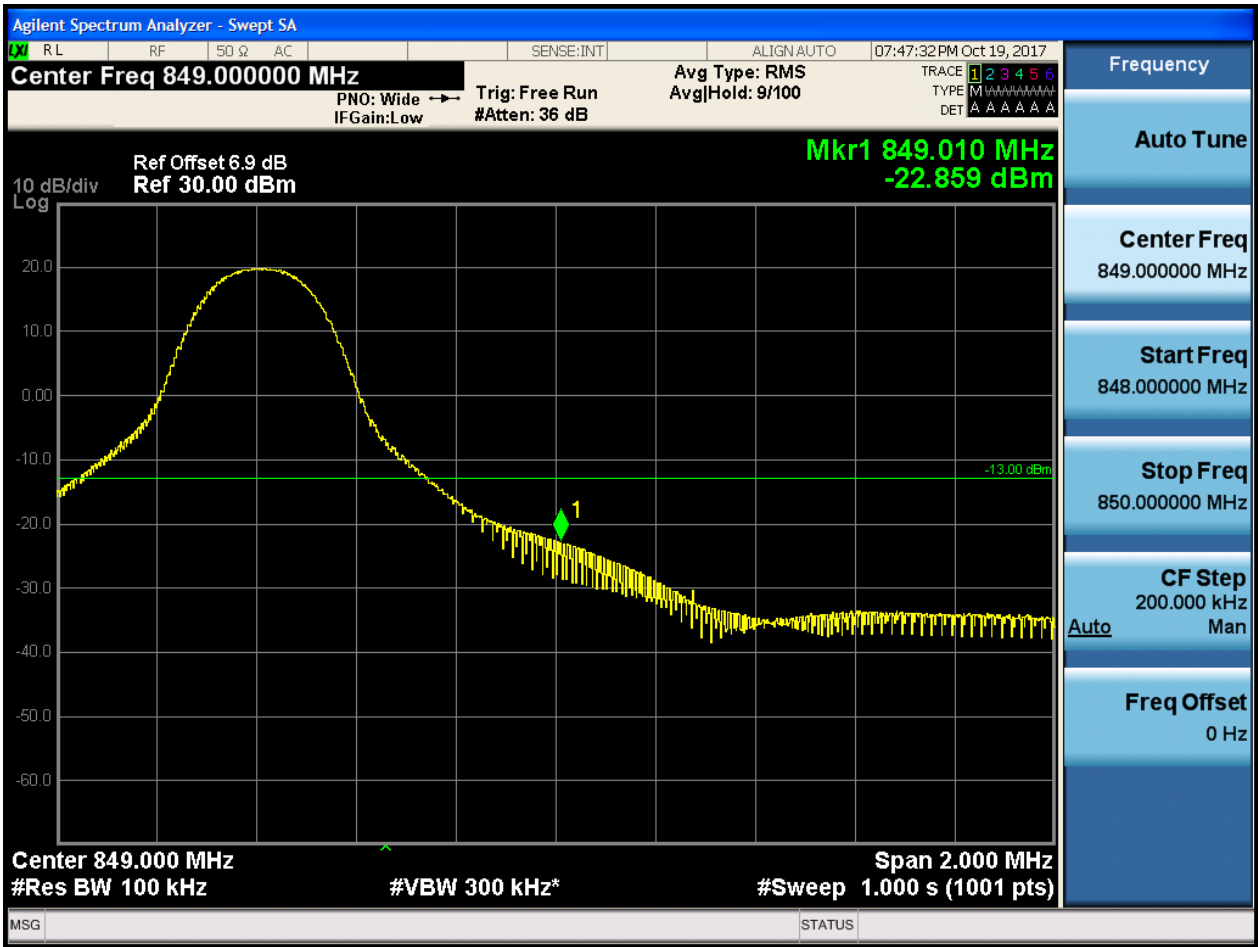
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#49



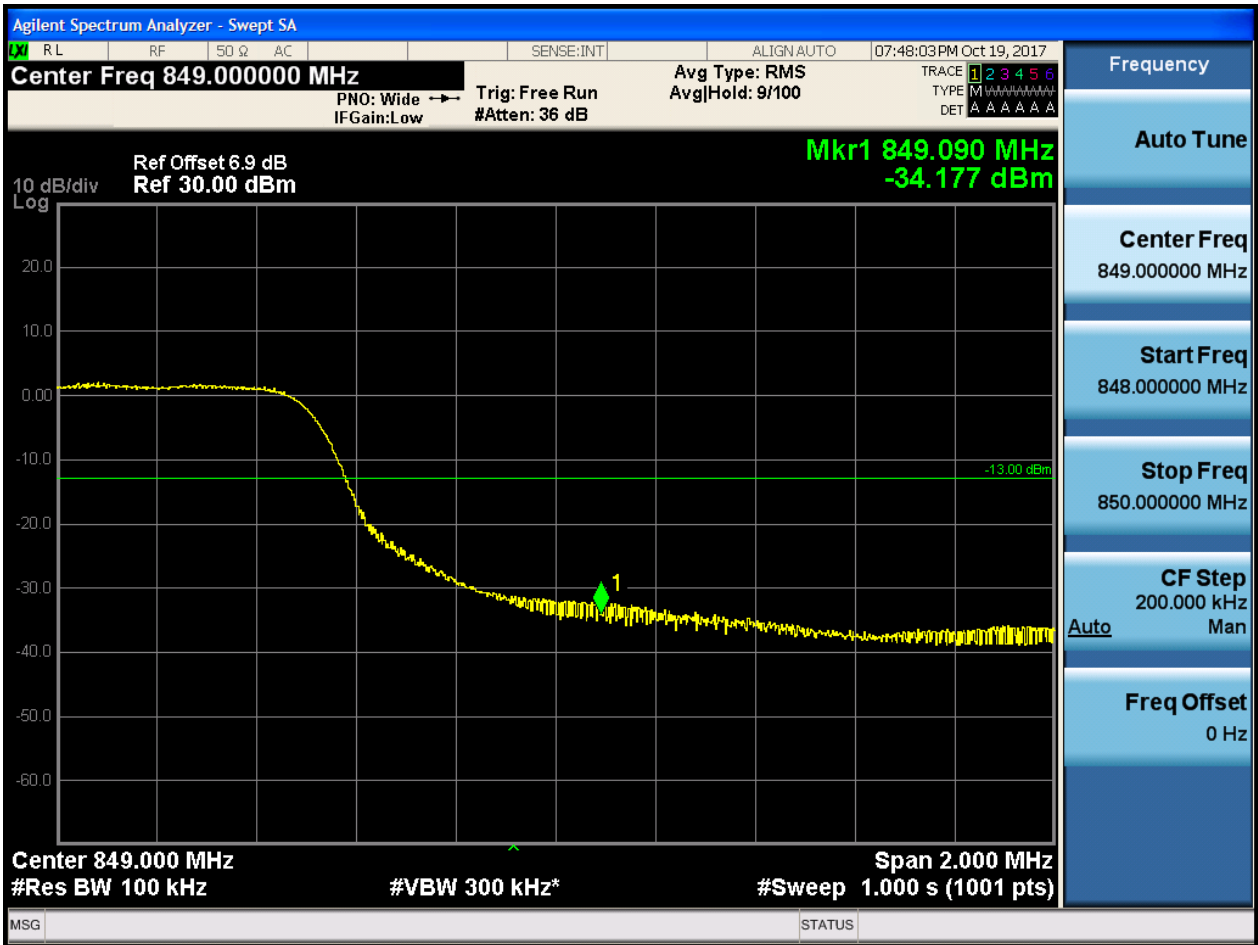


5.1.1.2.2.2.3 Test RB = RB25#13





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

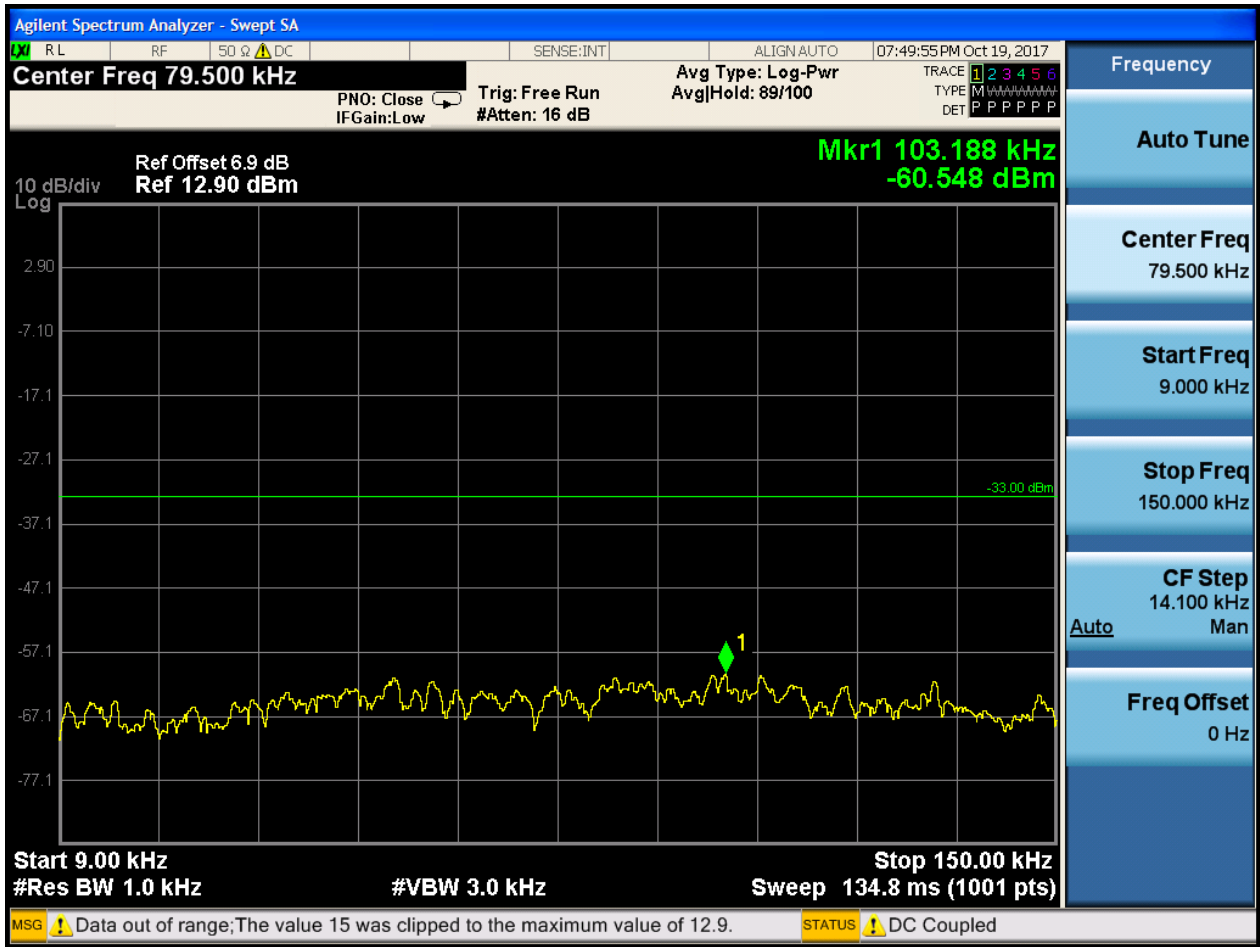
6.1.1 Test Band = BAND5

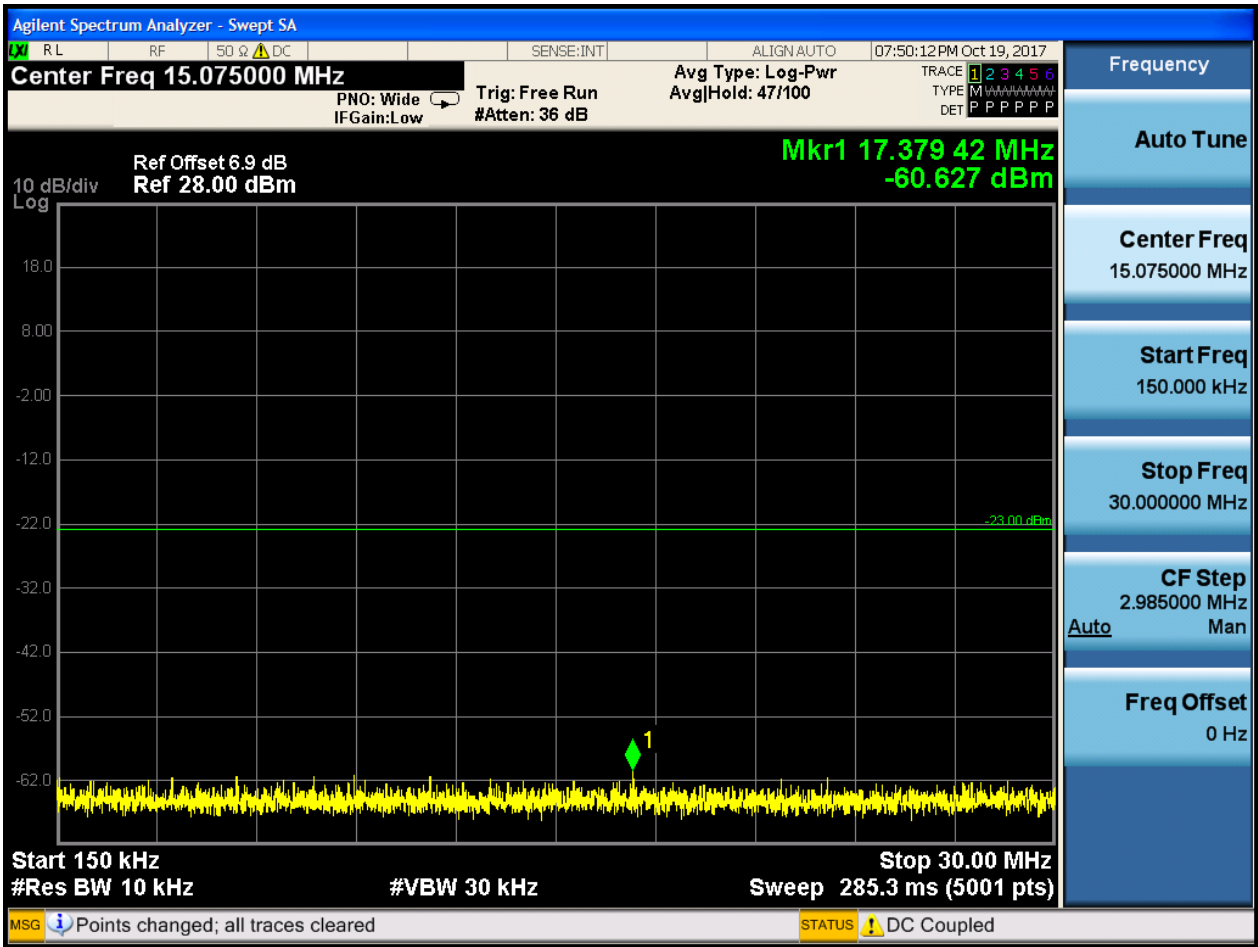
6.1.1.1 Test Mode = LTE/TM1

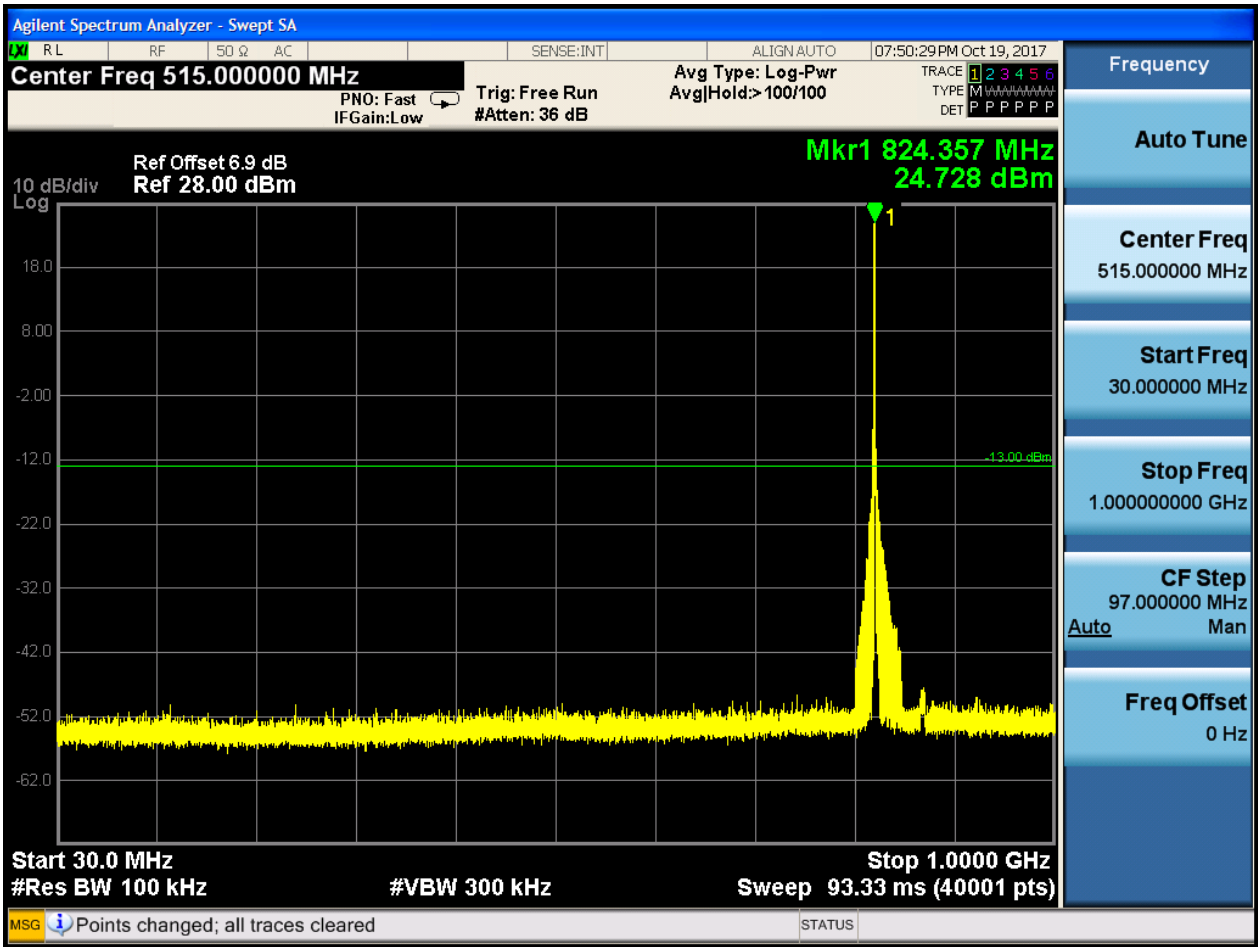
6.1.1.1.1 Test Bandwidth = 5

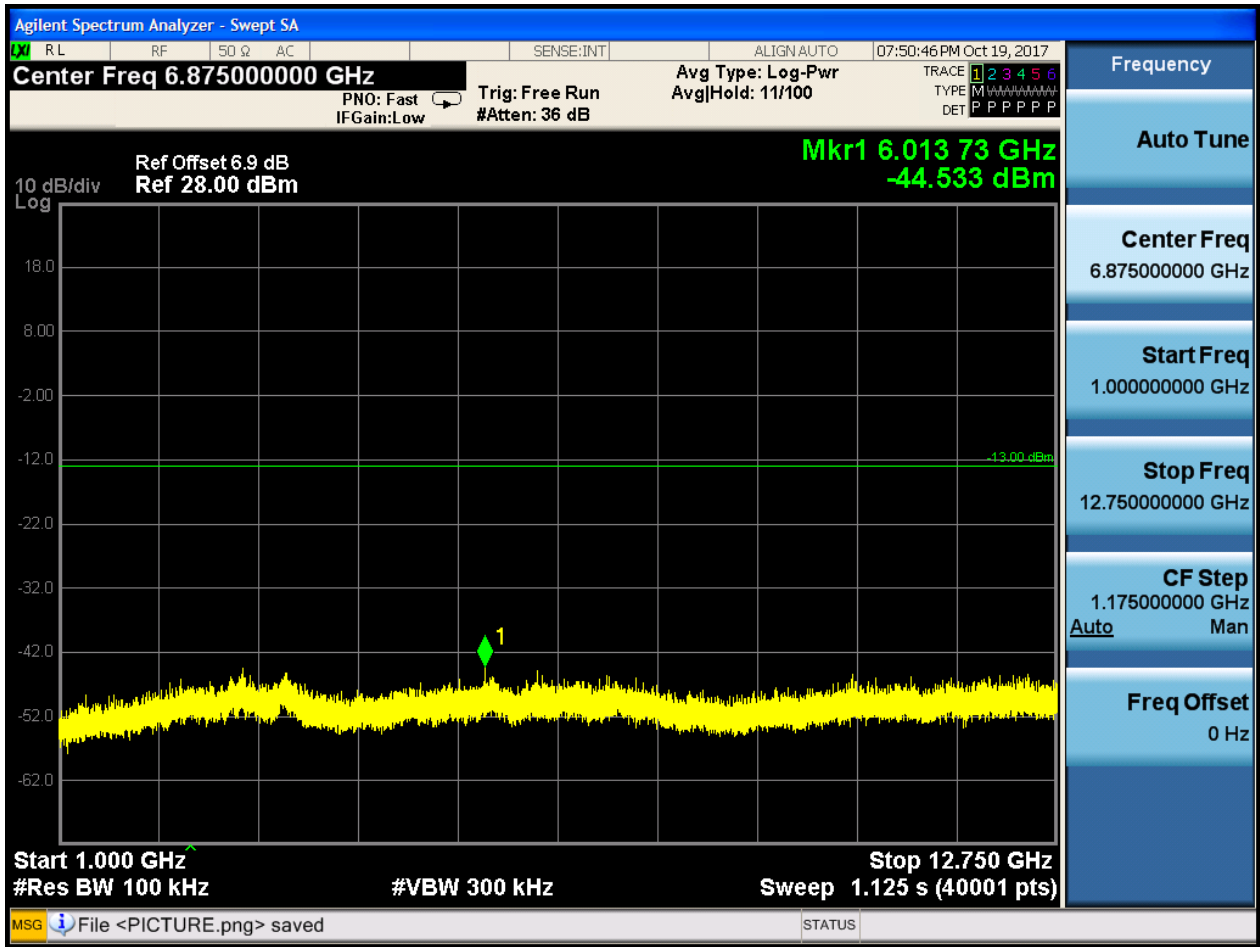
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0





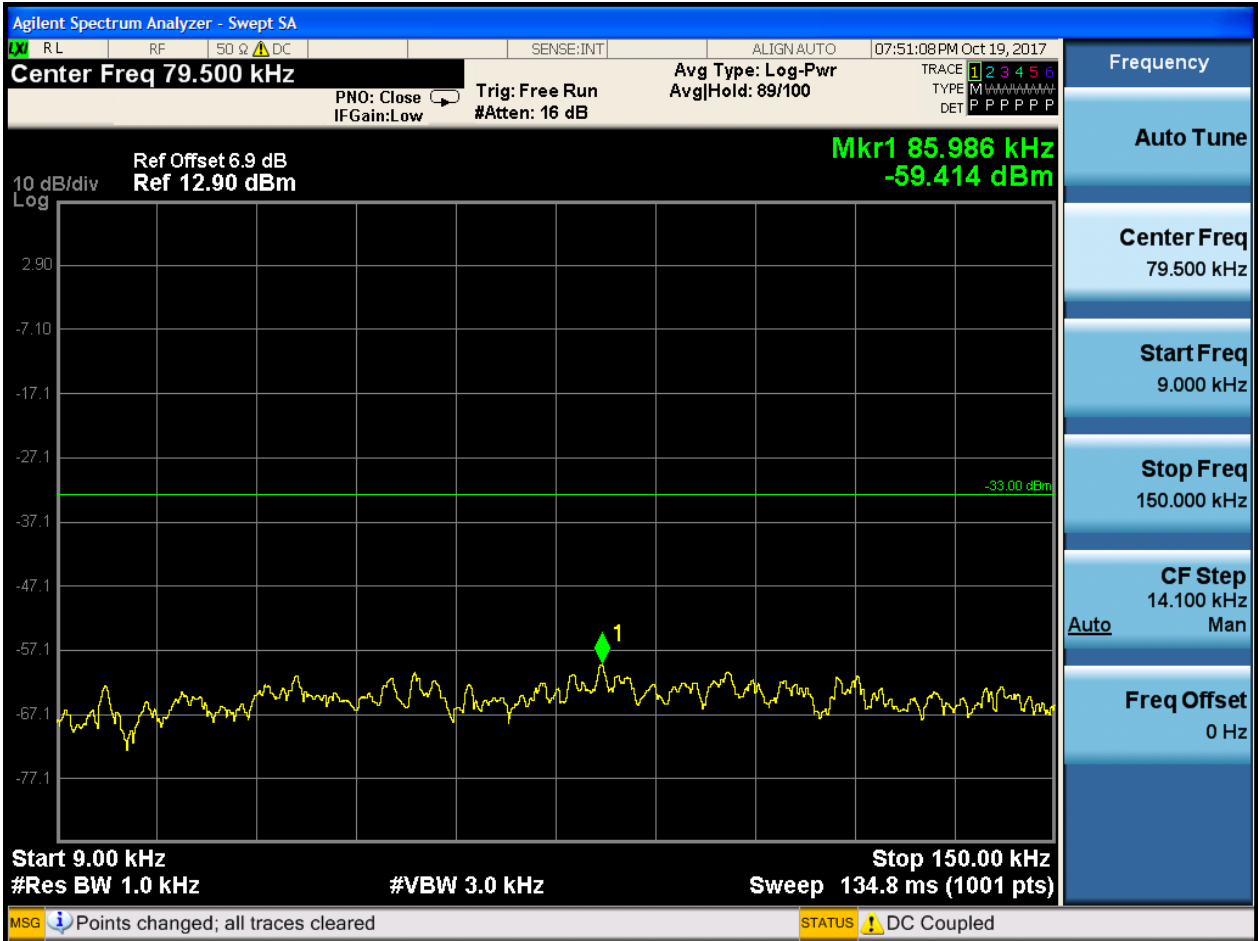


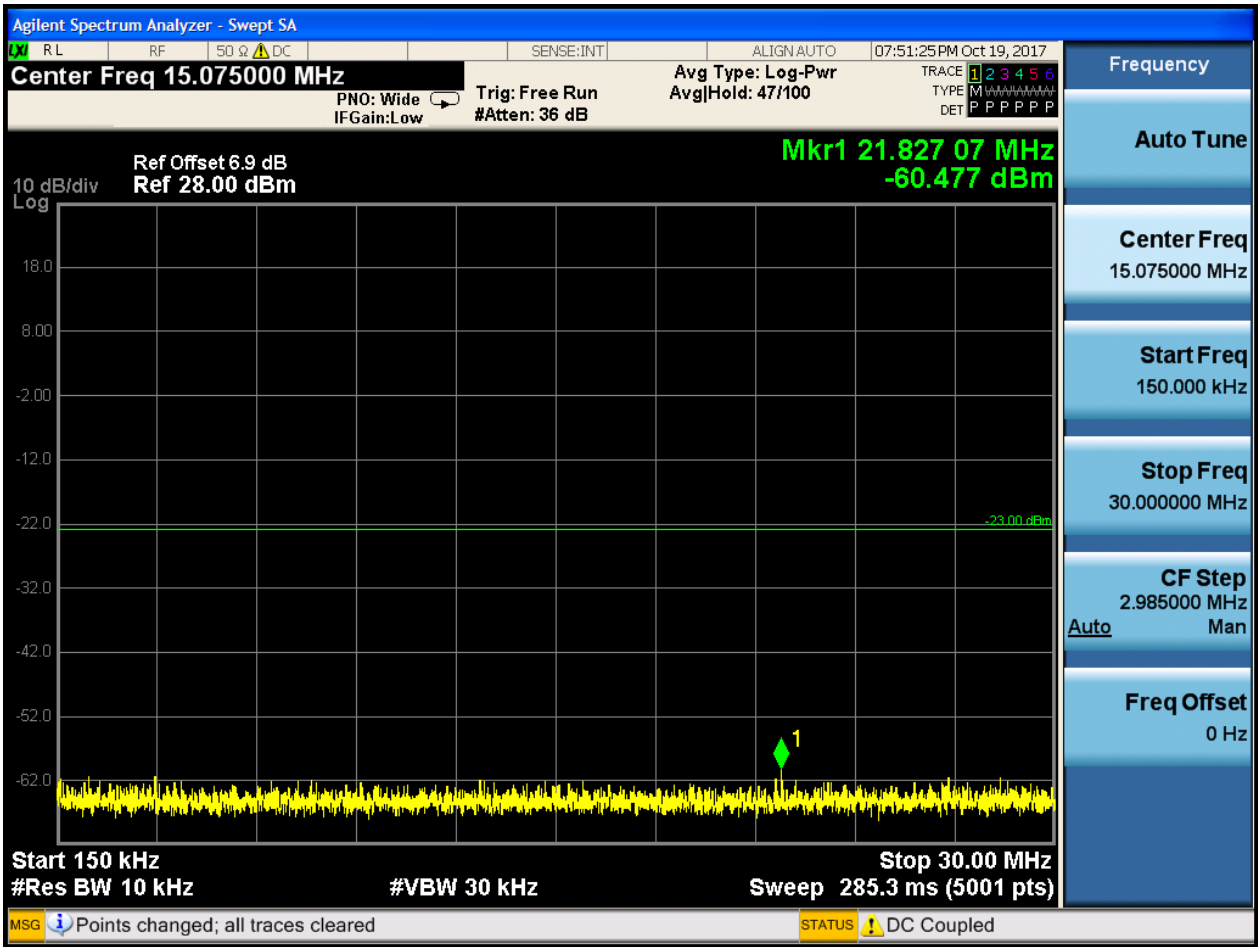




6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

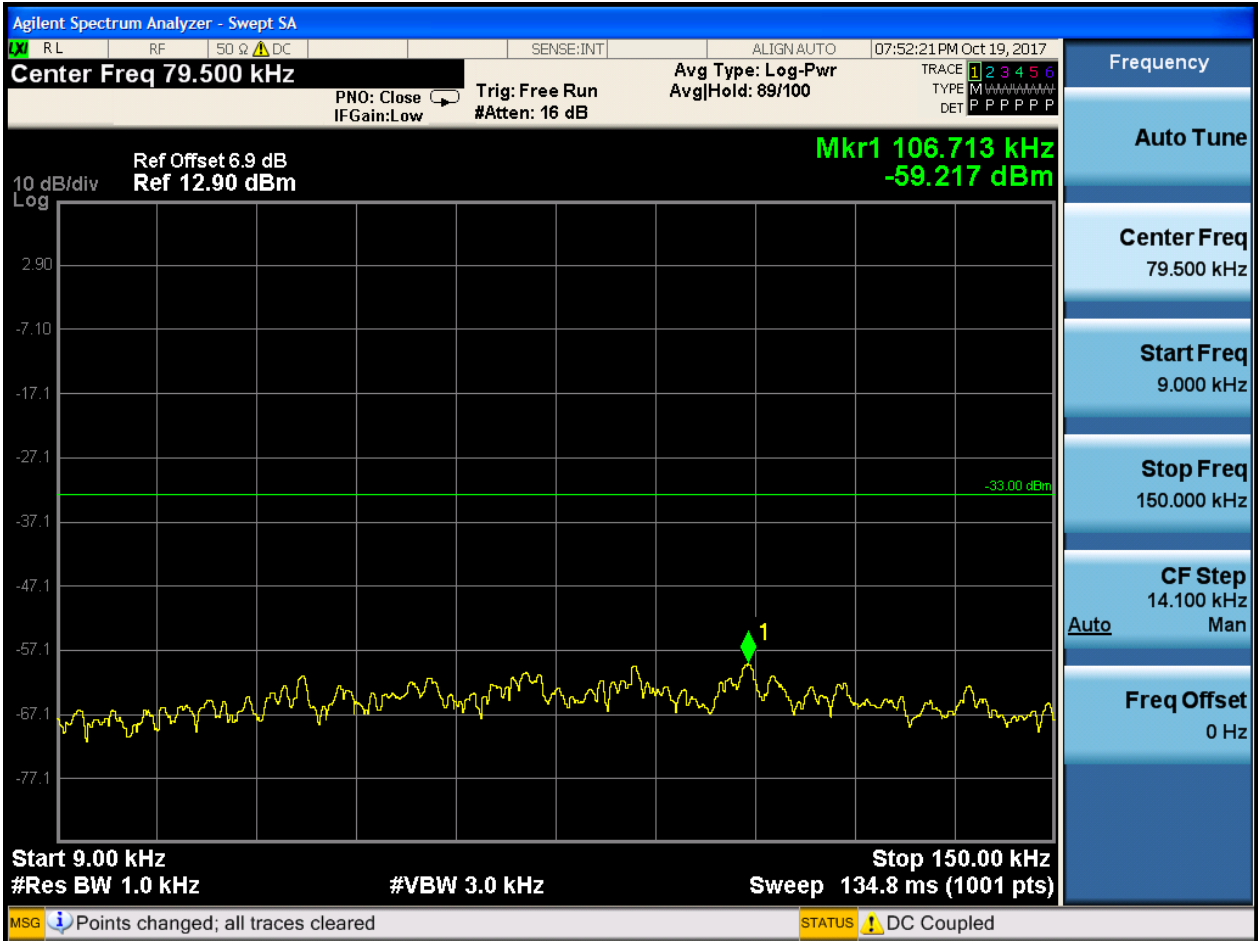


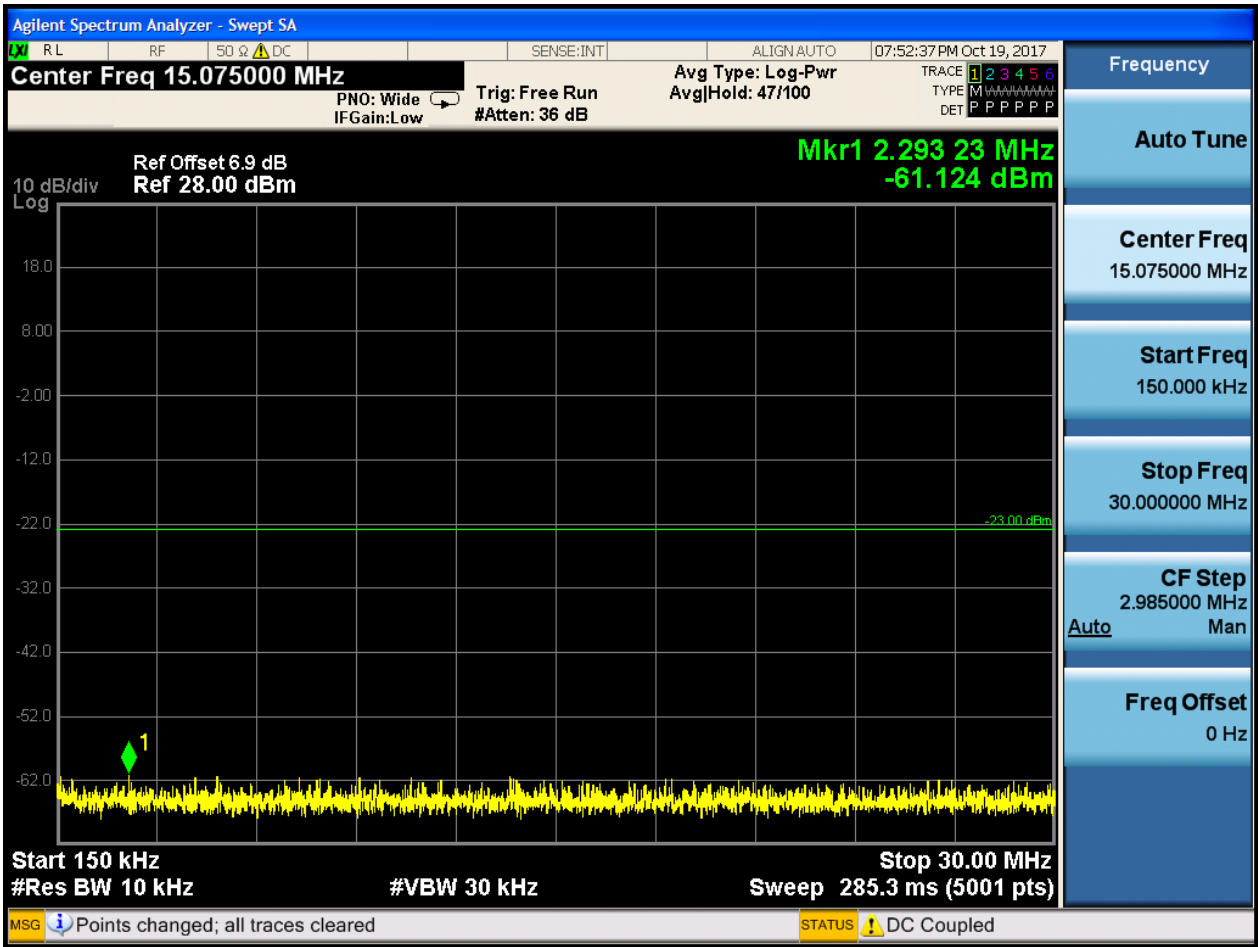


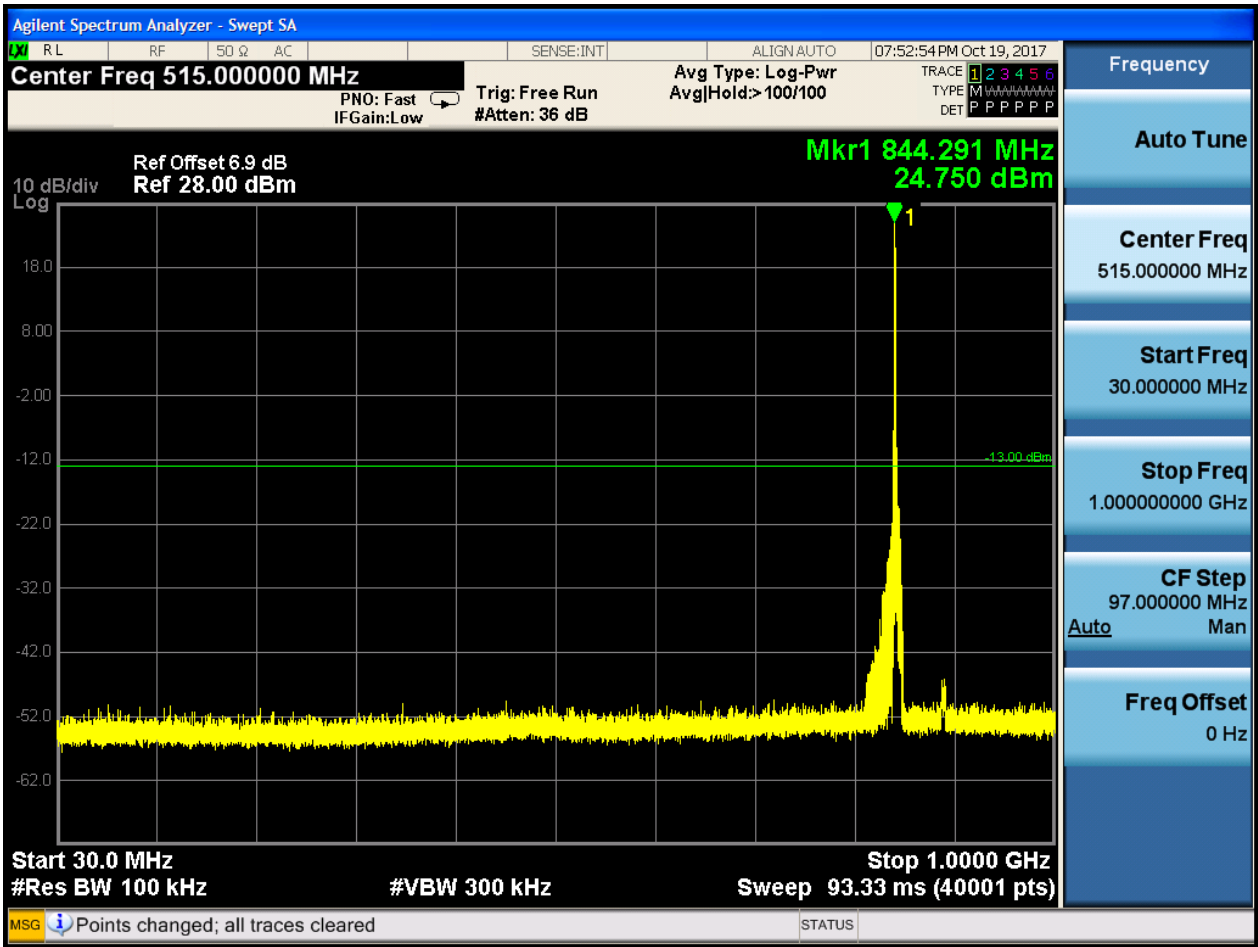


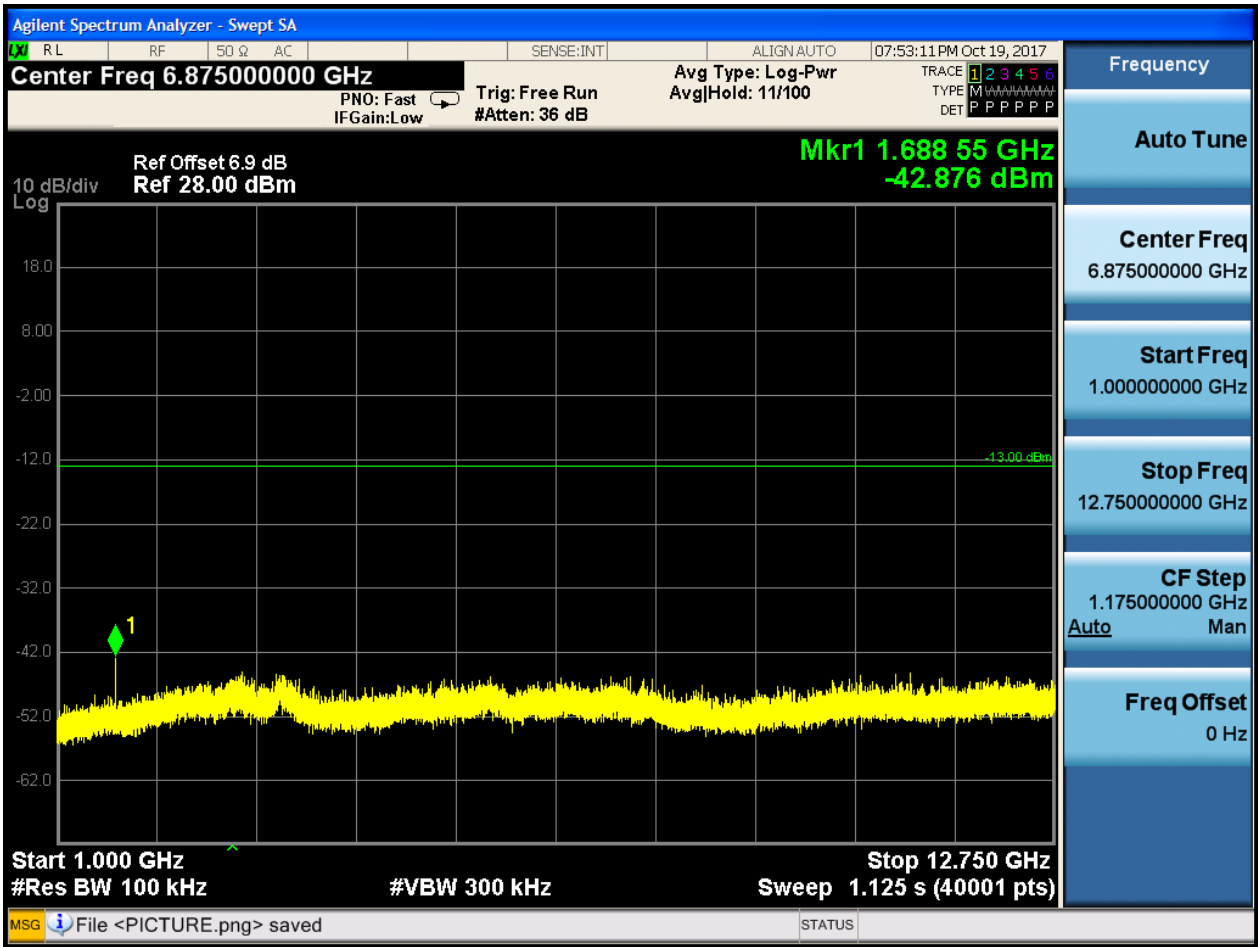
6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0







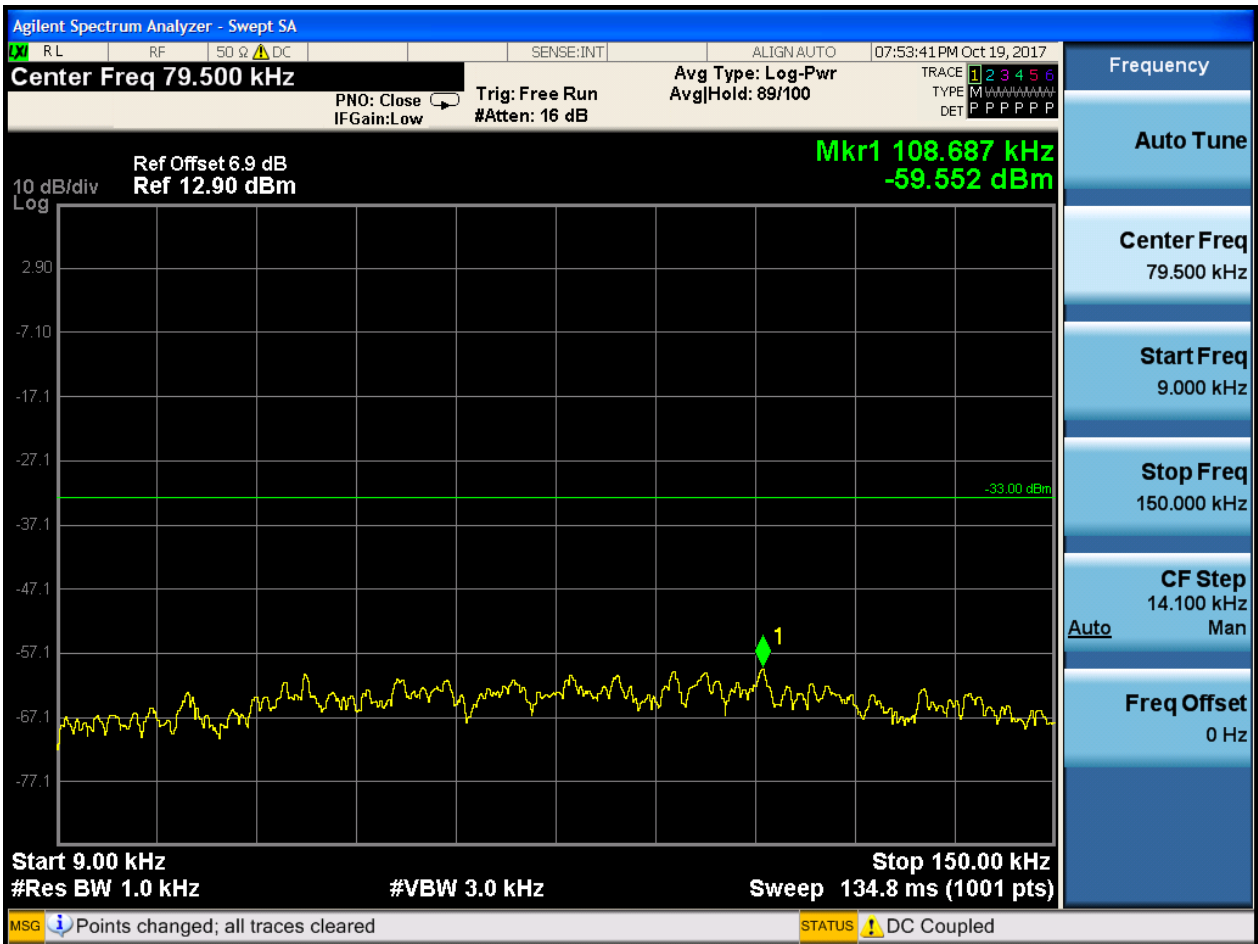


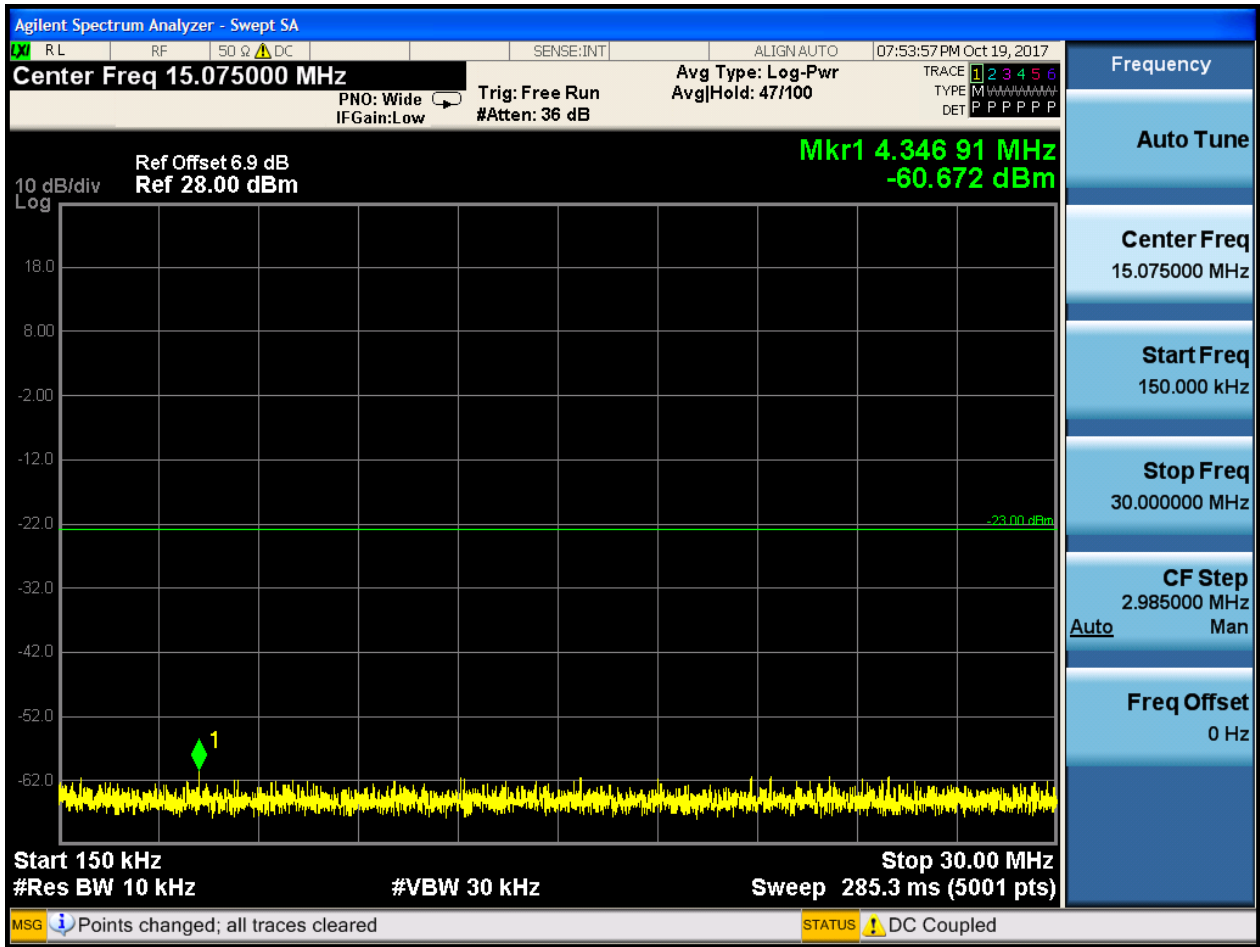


6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0

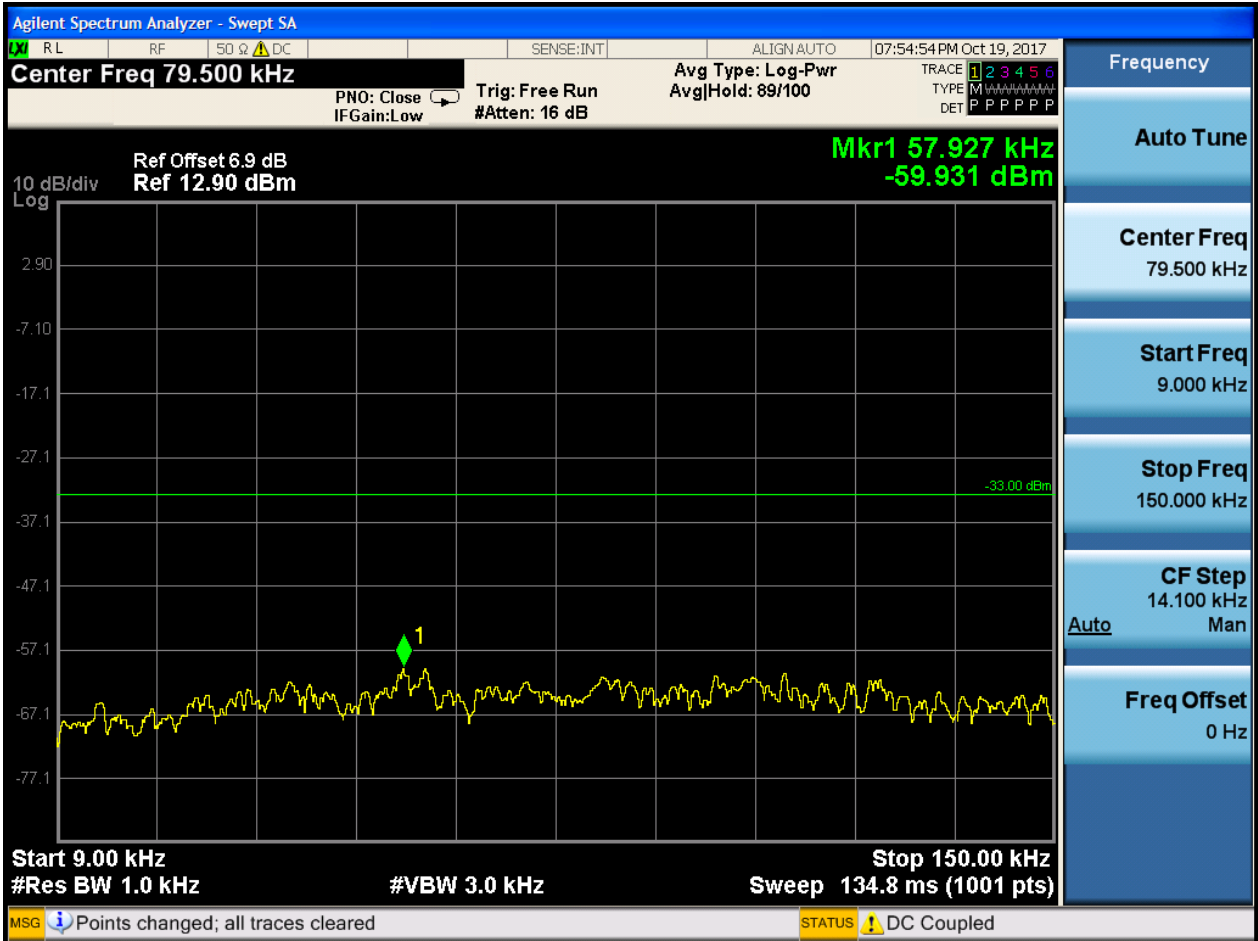


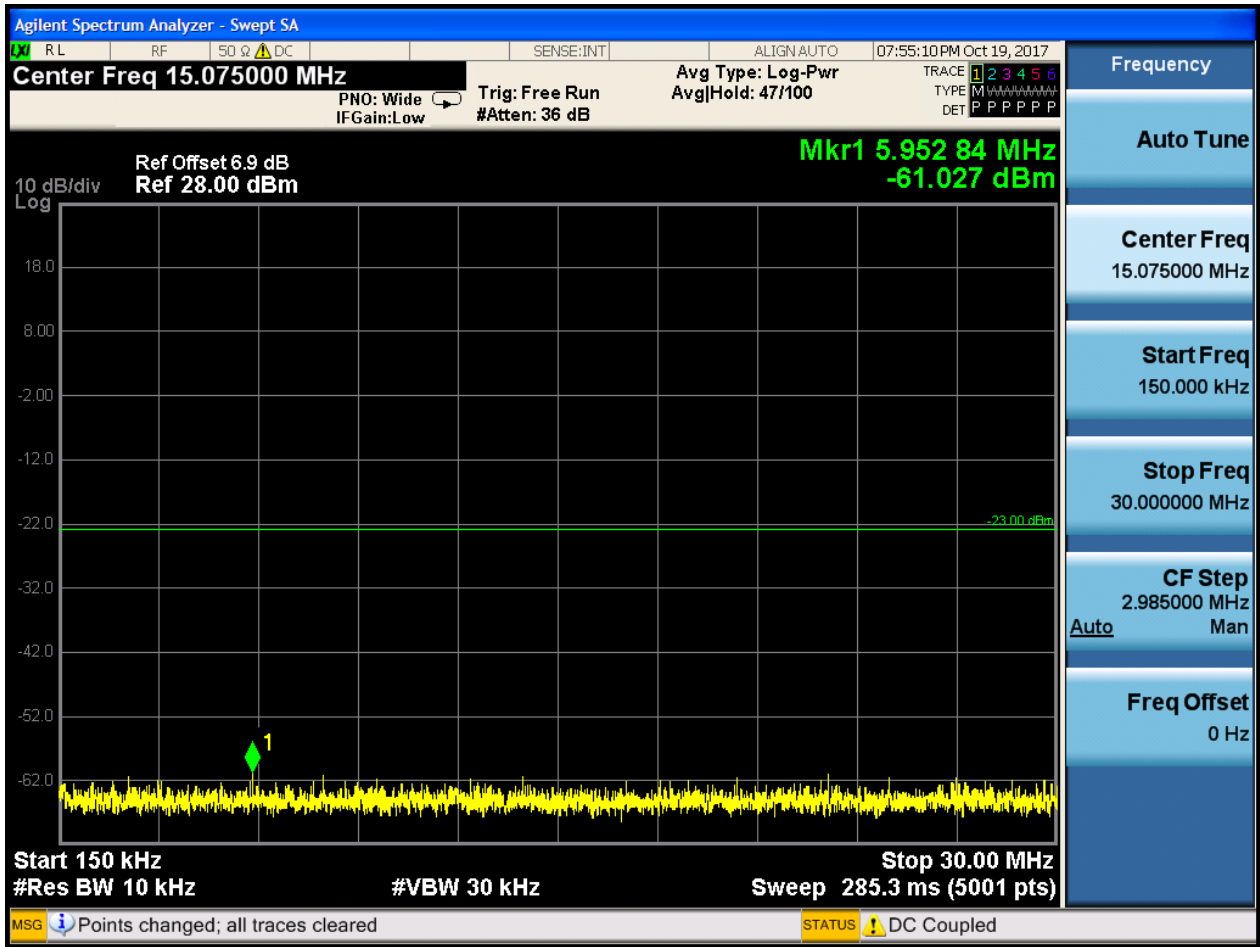


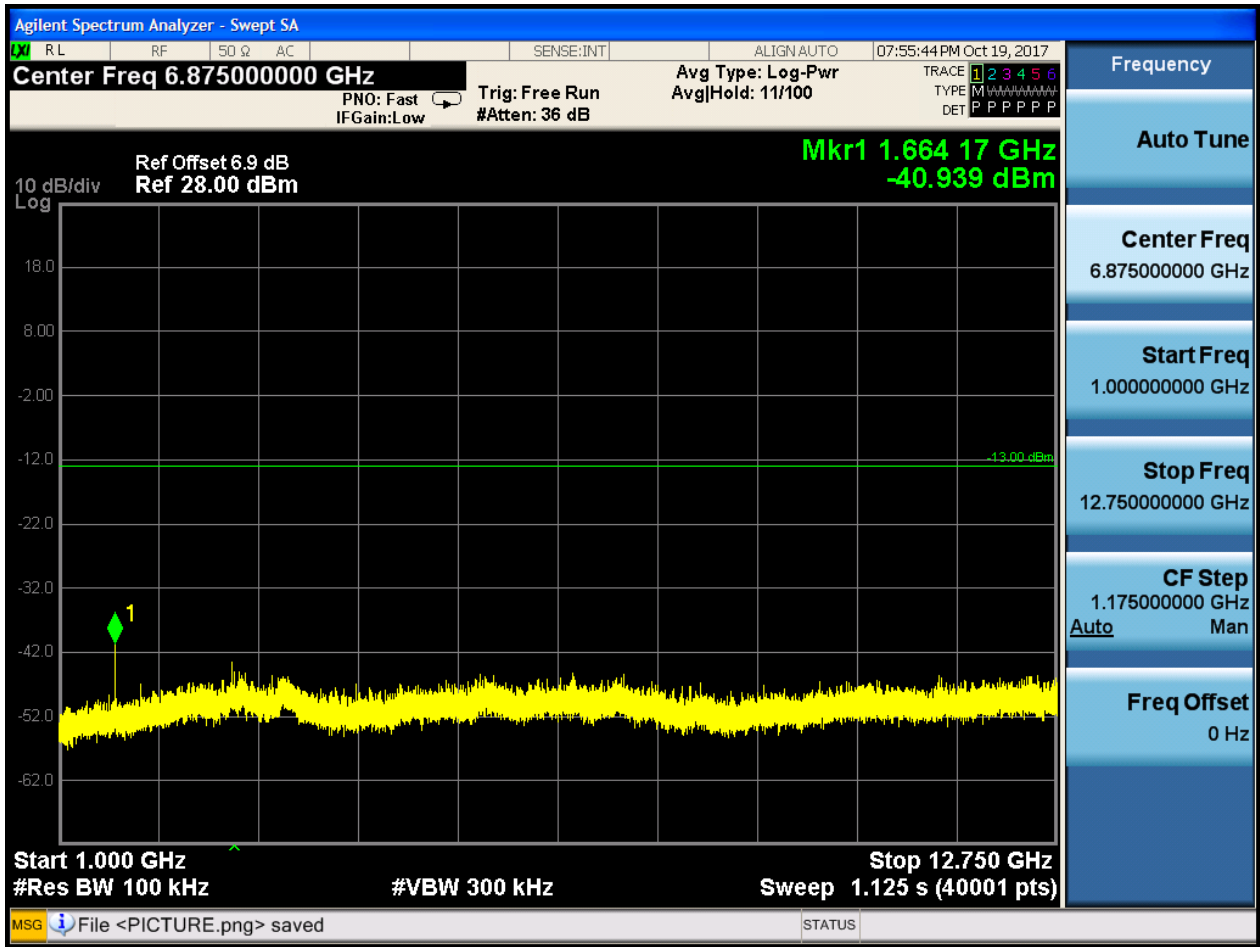


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



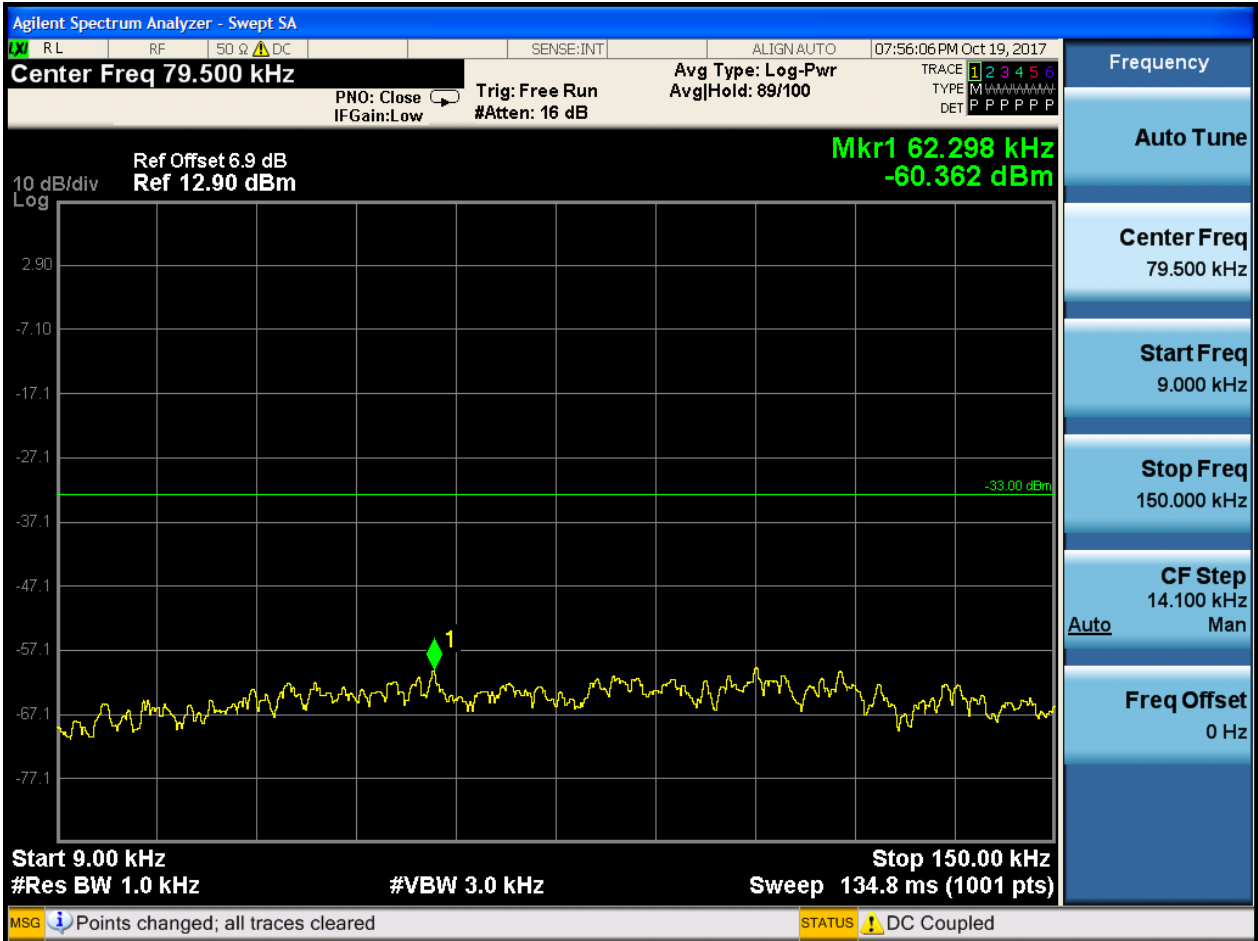


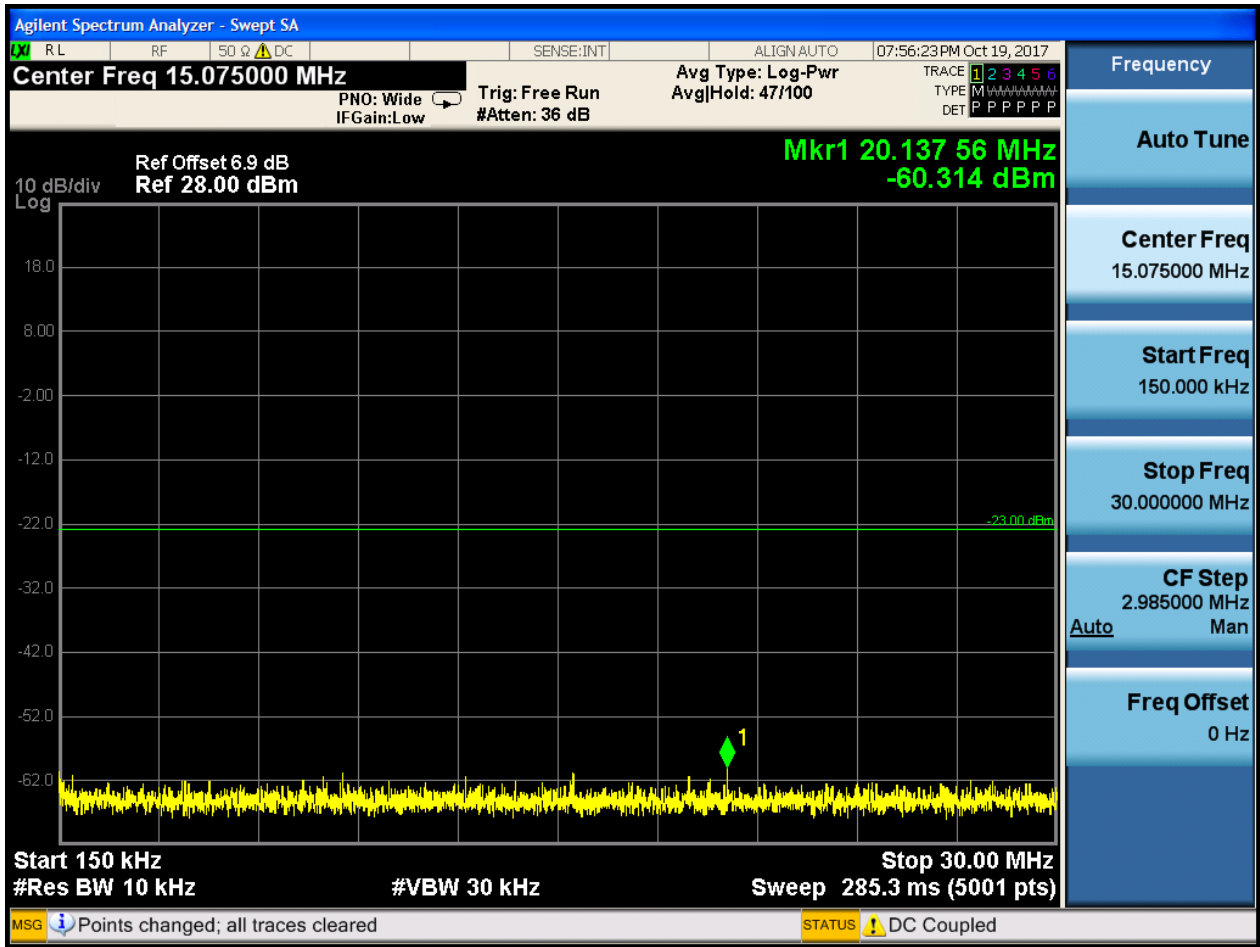


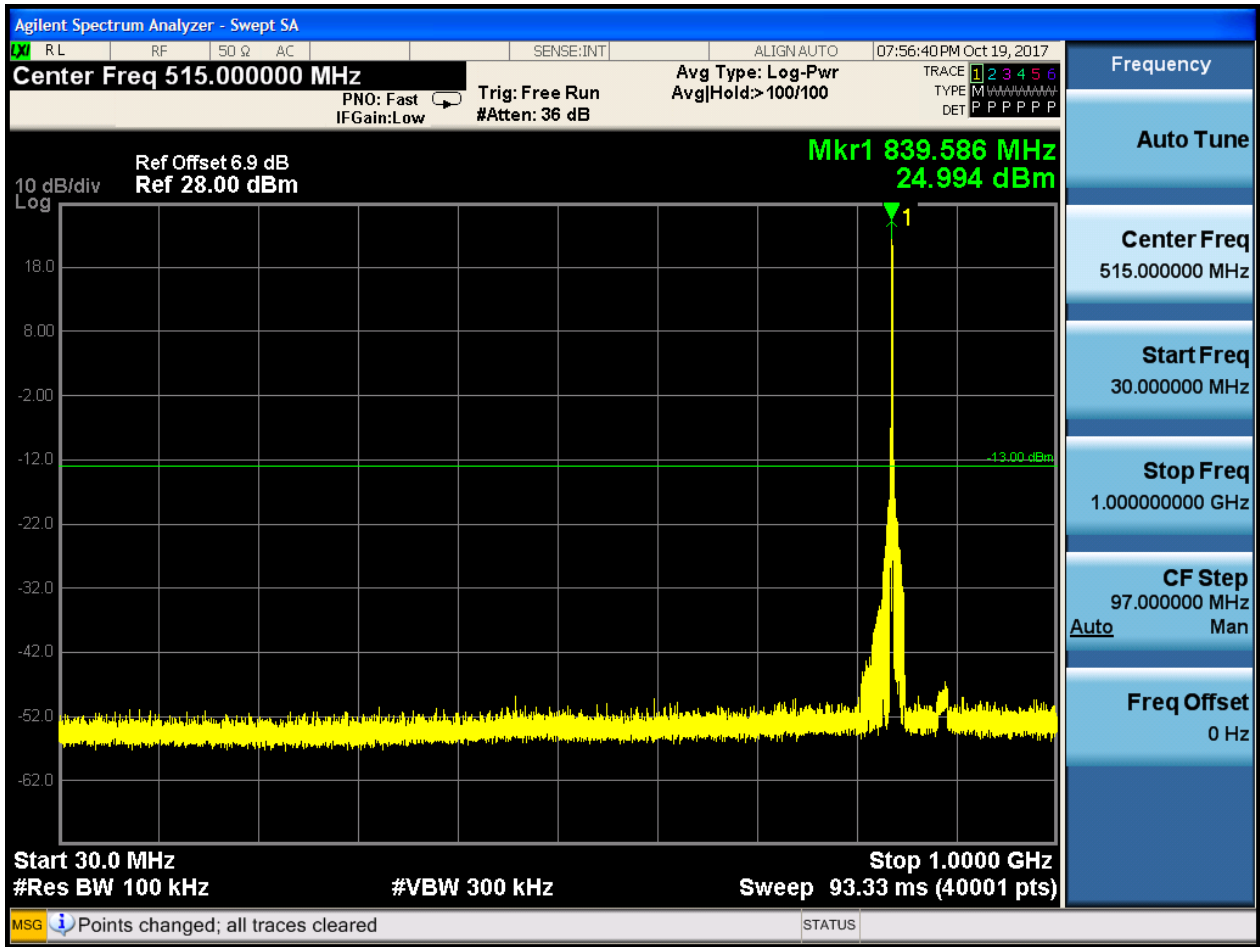


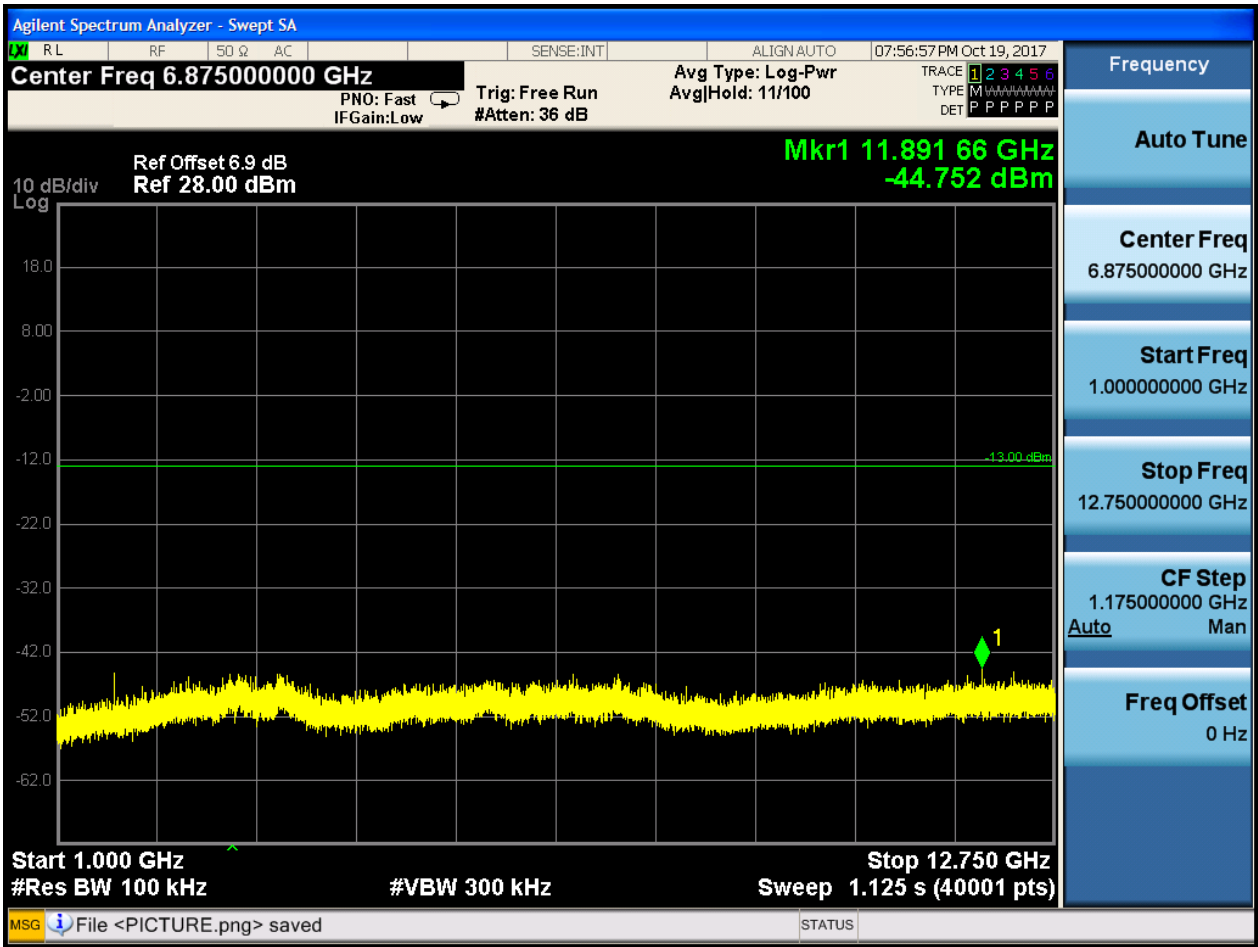
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0









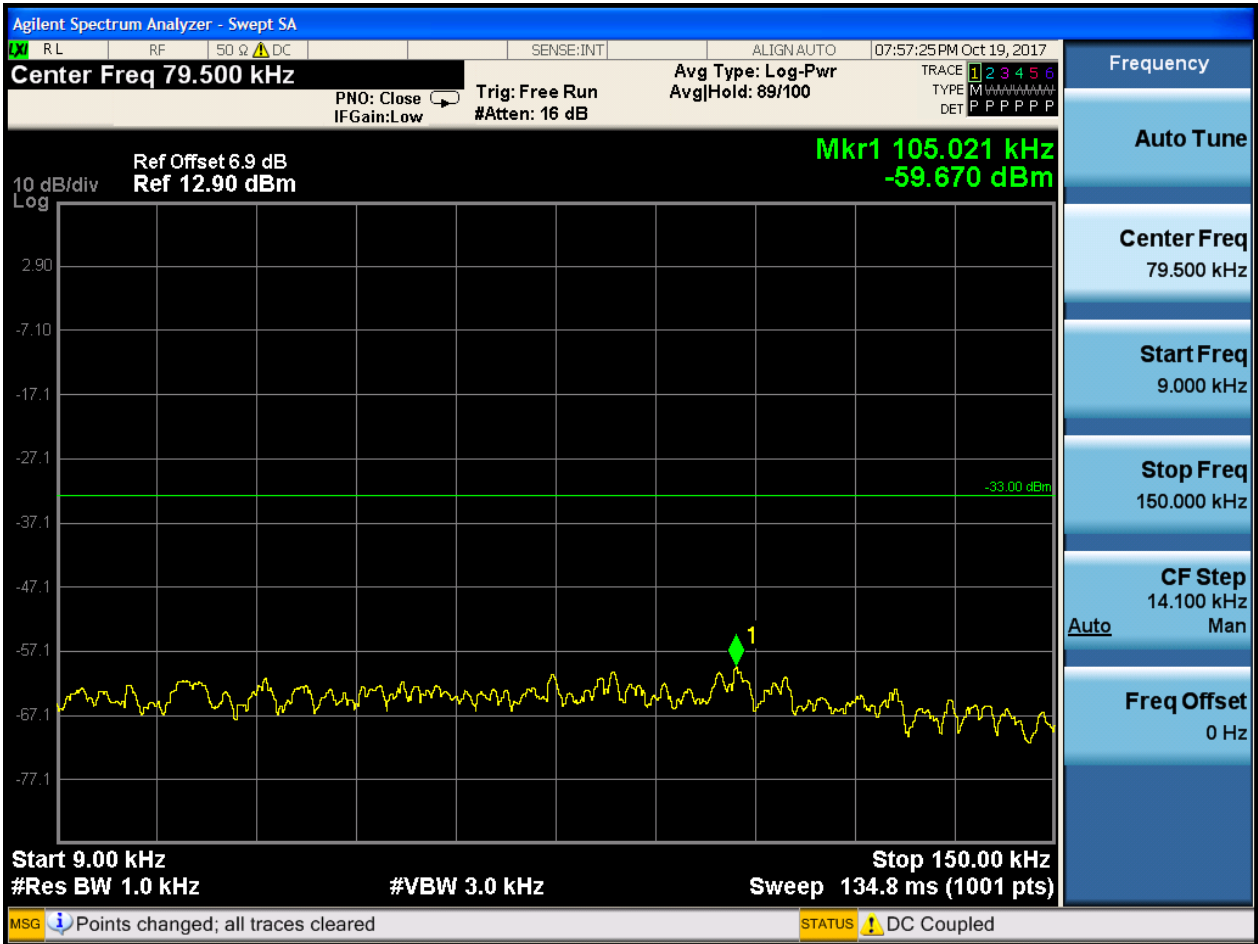


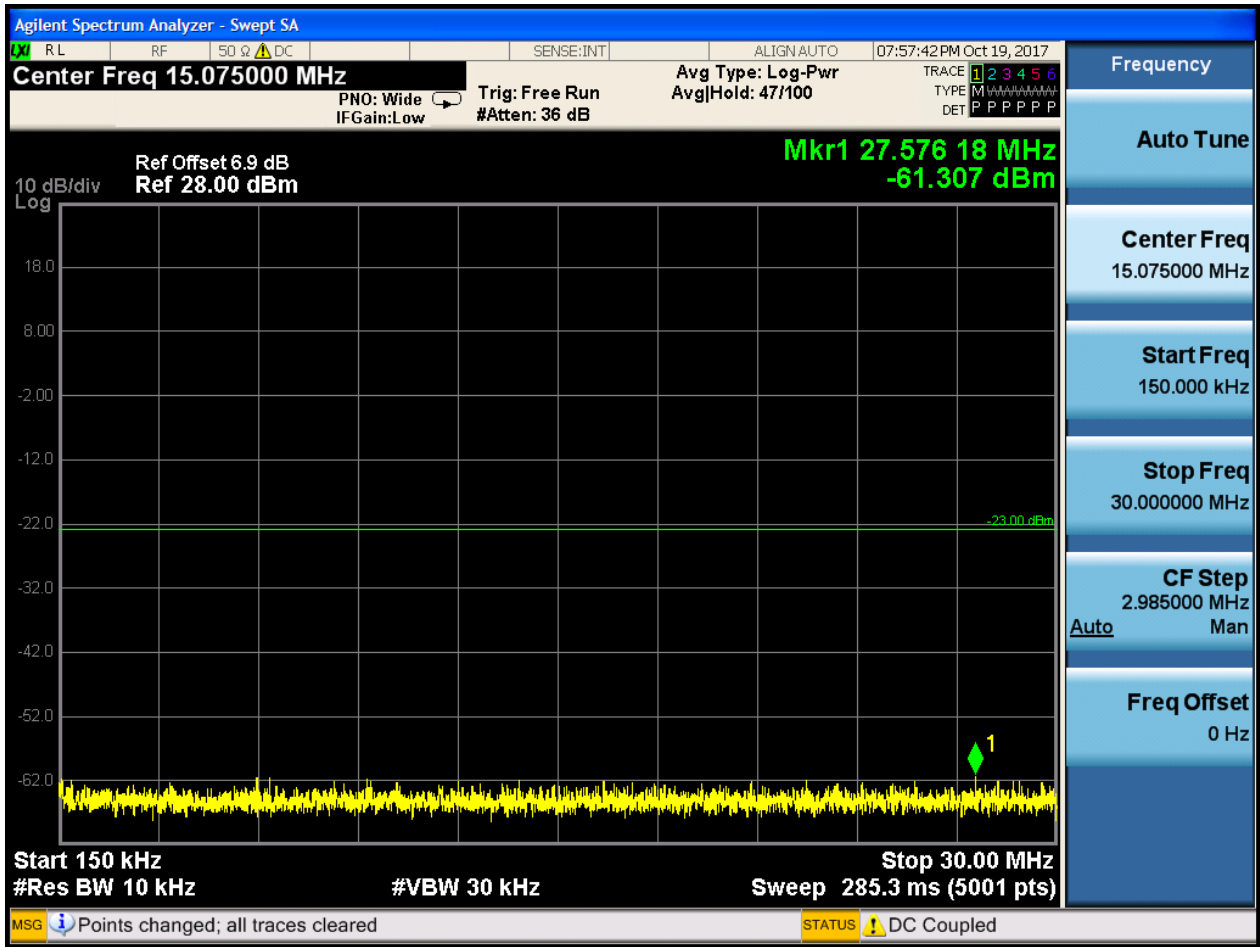
6.1.1.2 Test Mode = LTE/TM2

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

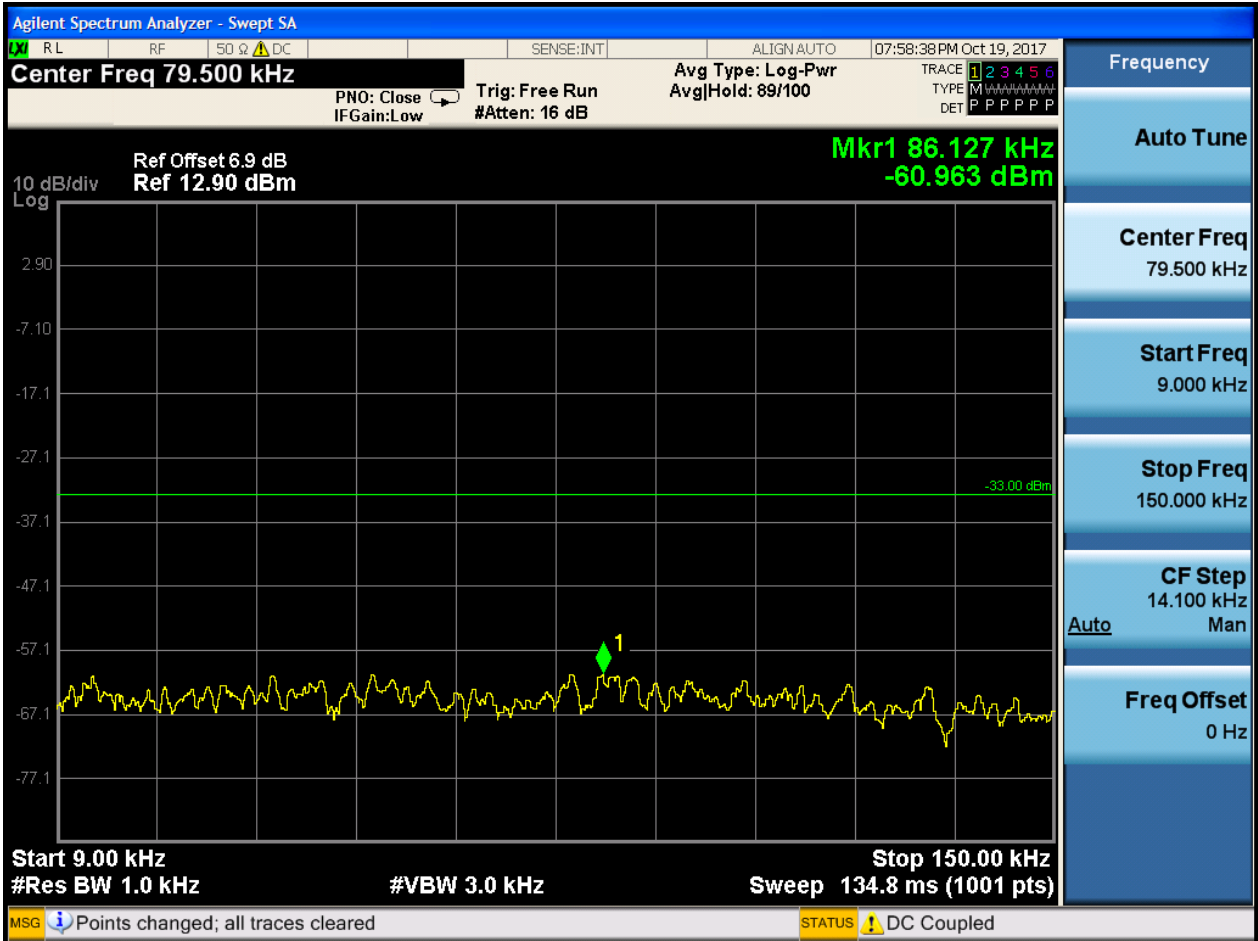


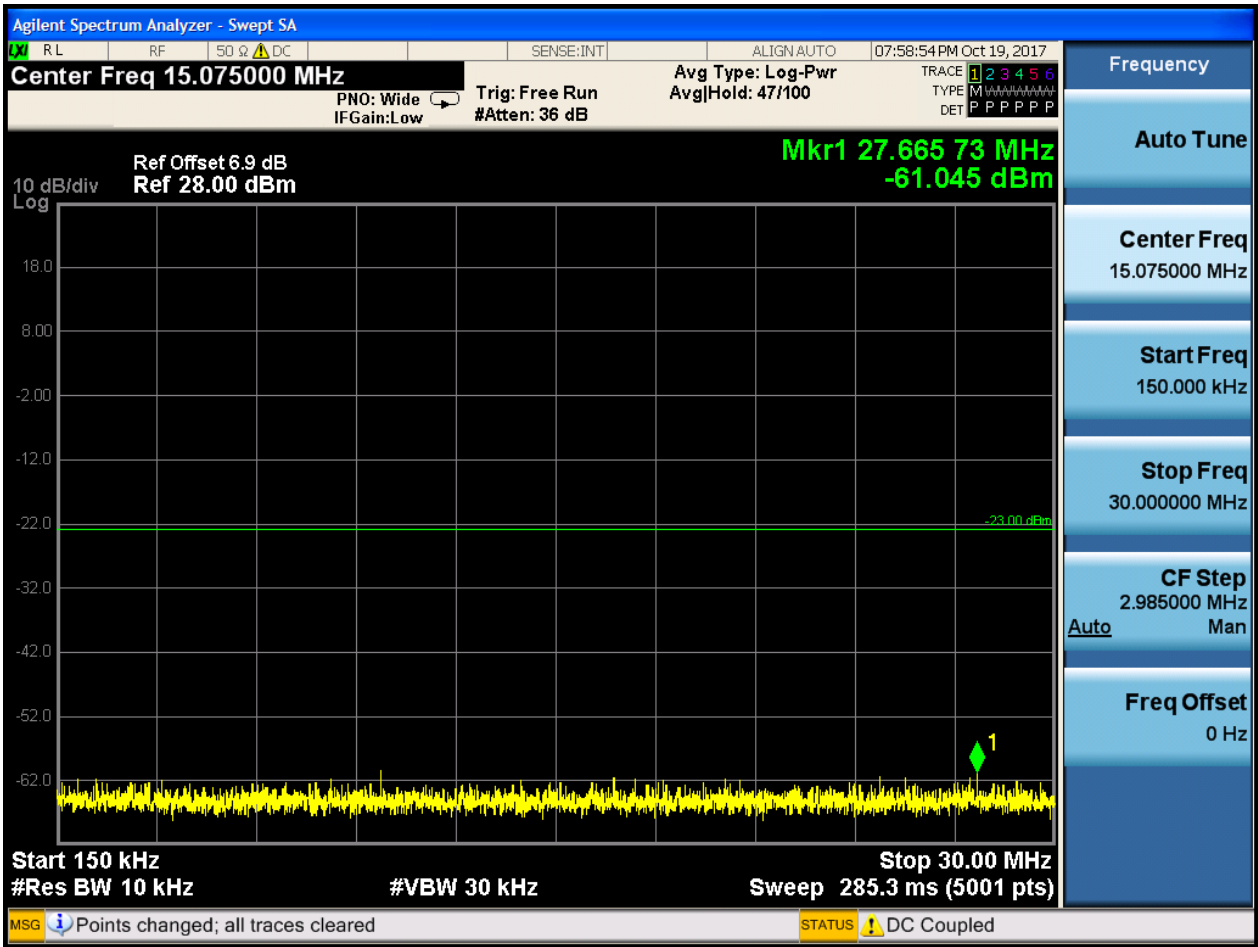


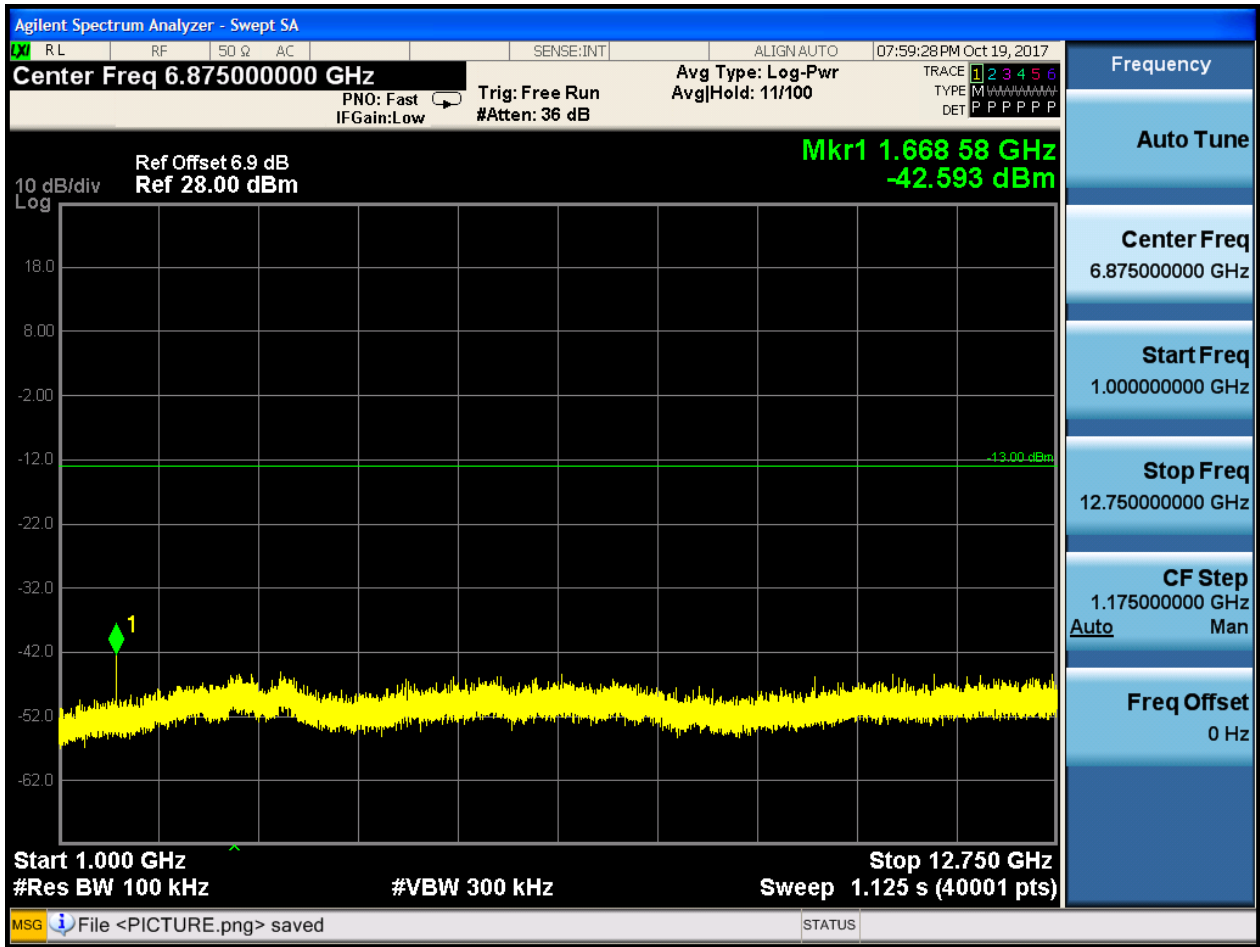


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



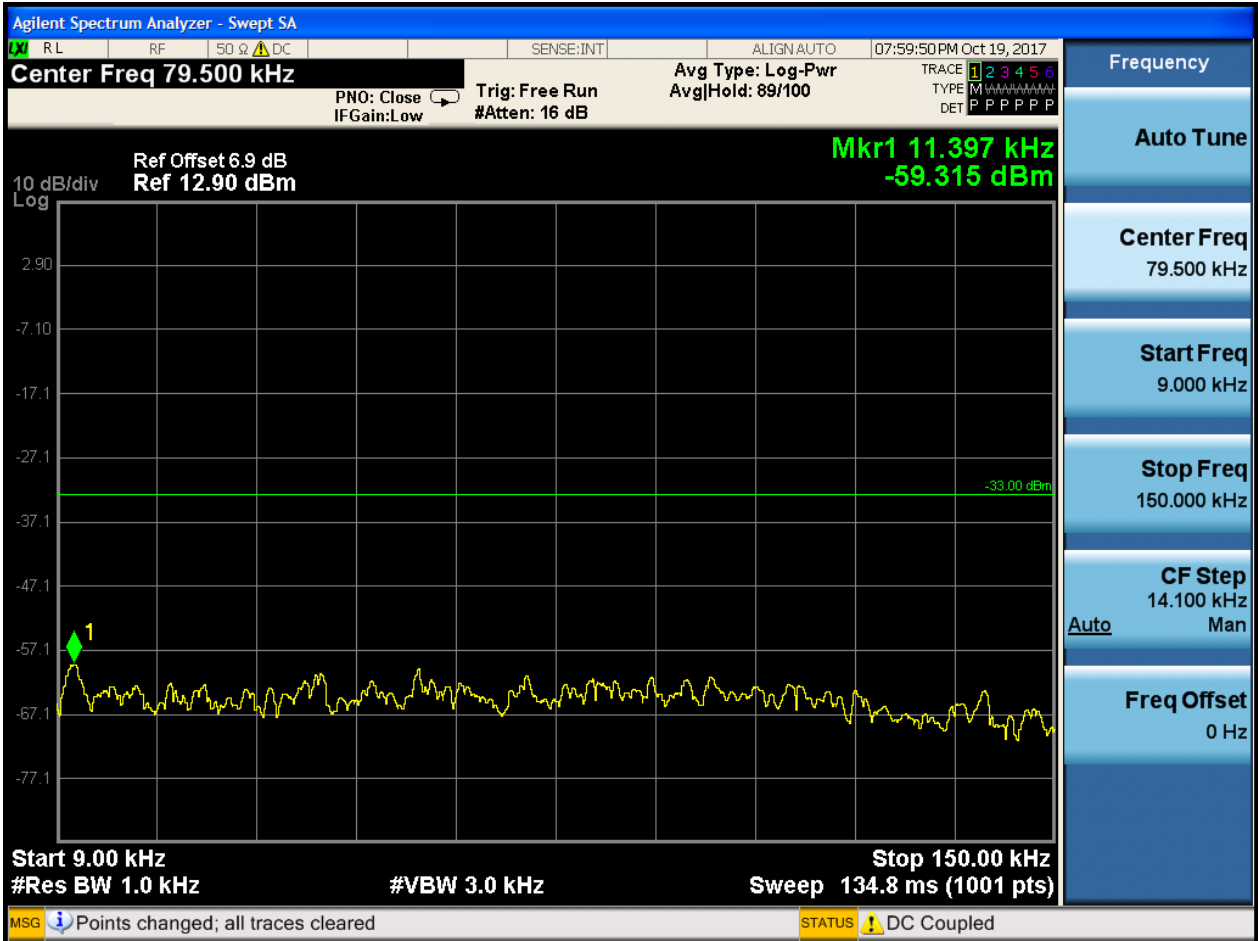


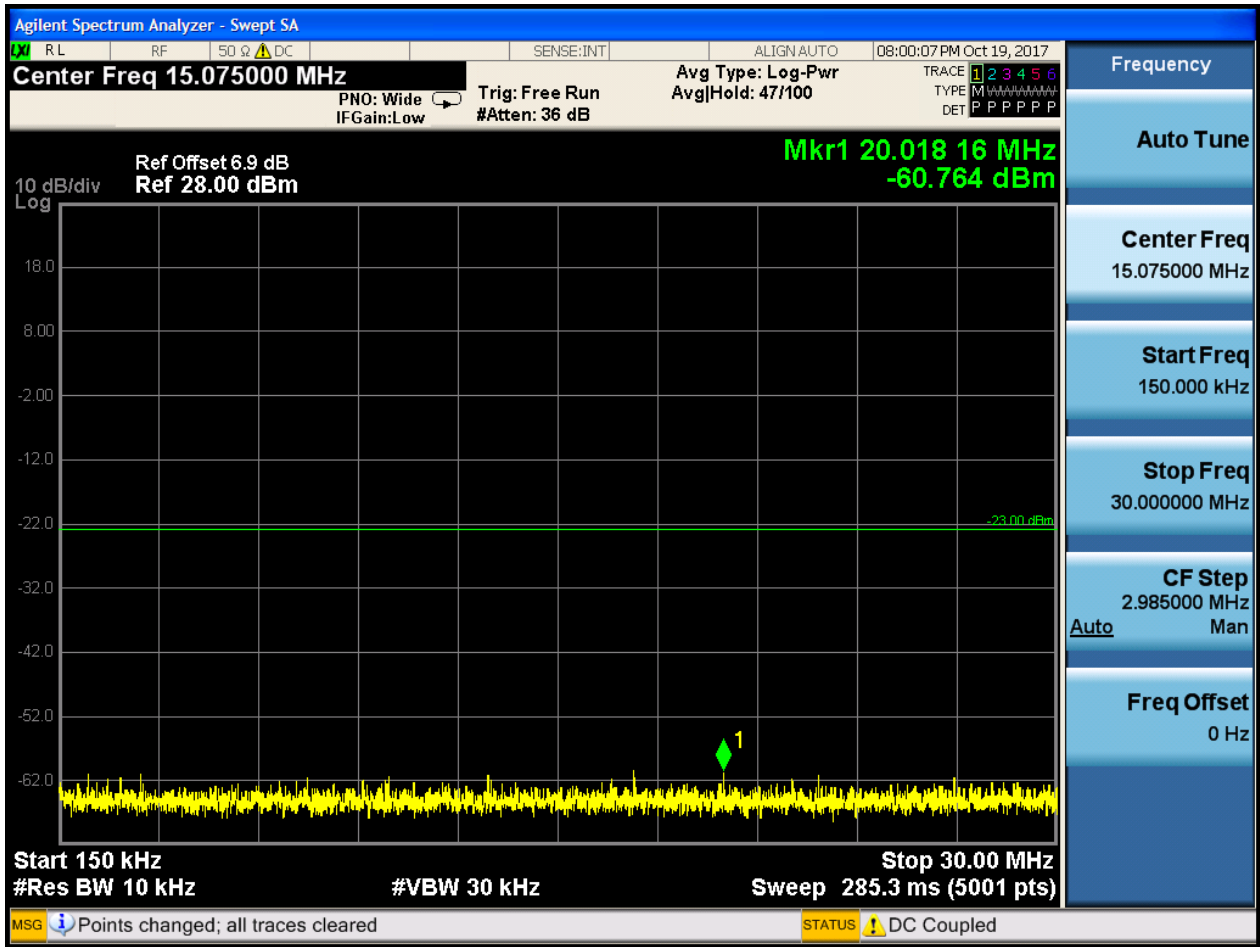




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



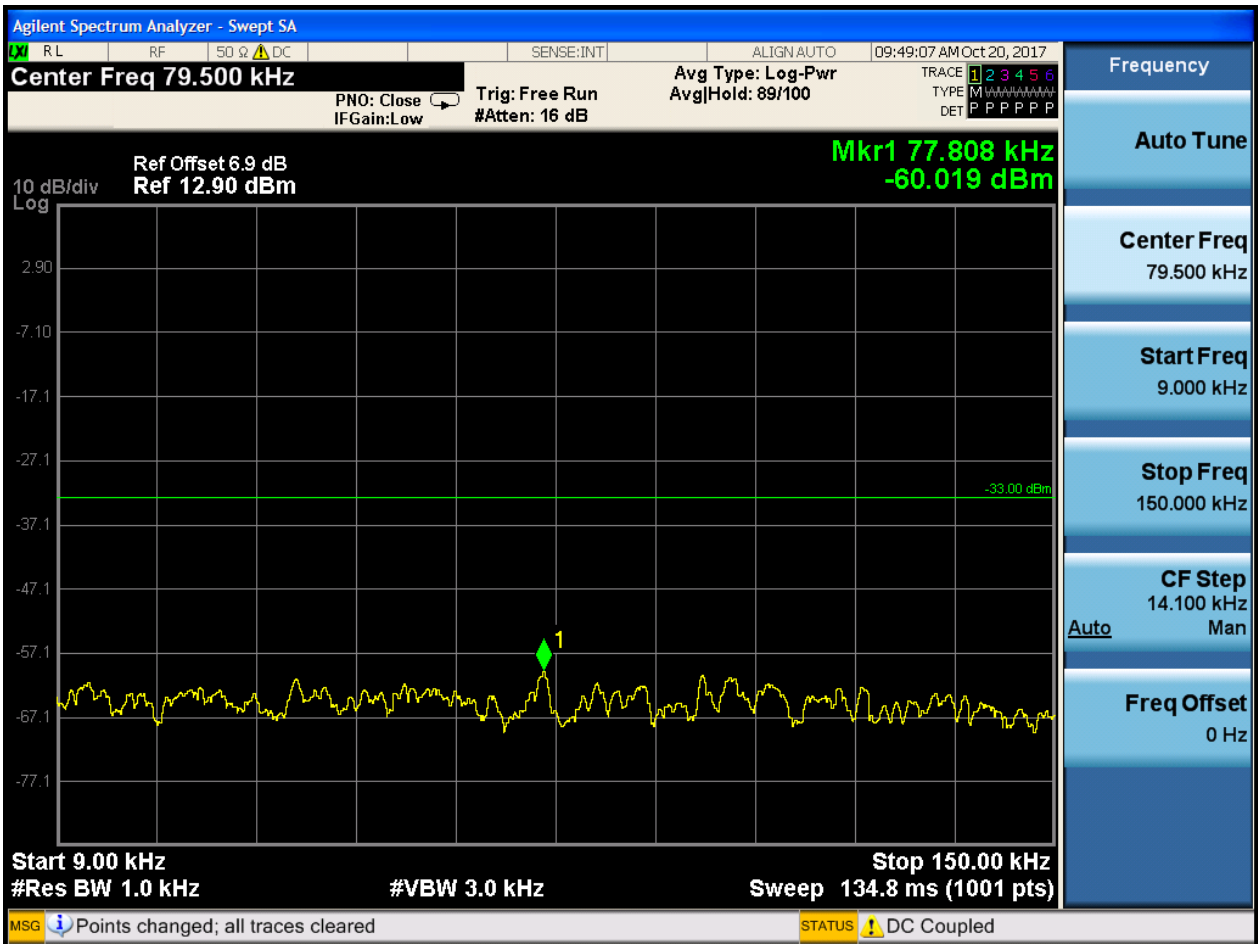


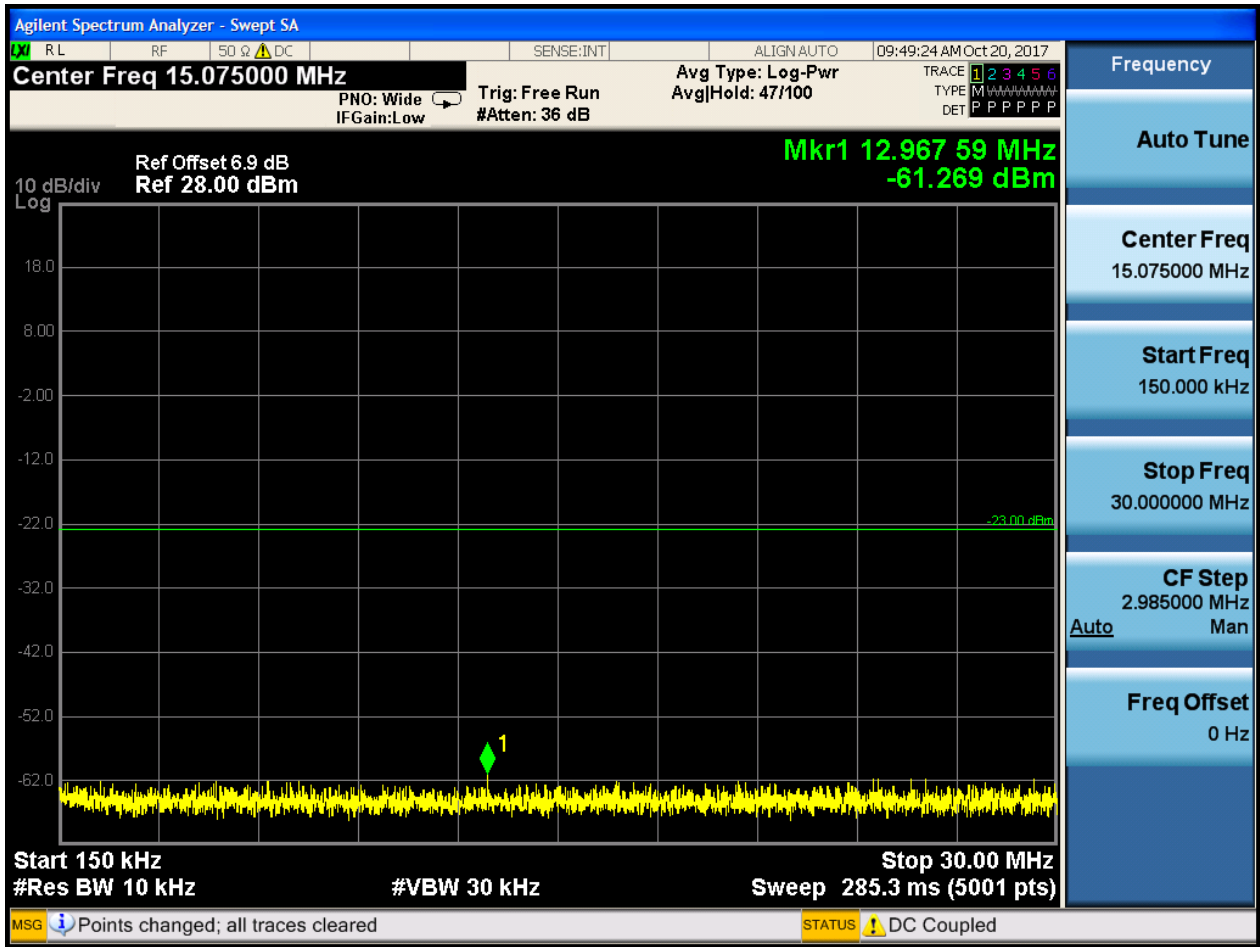


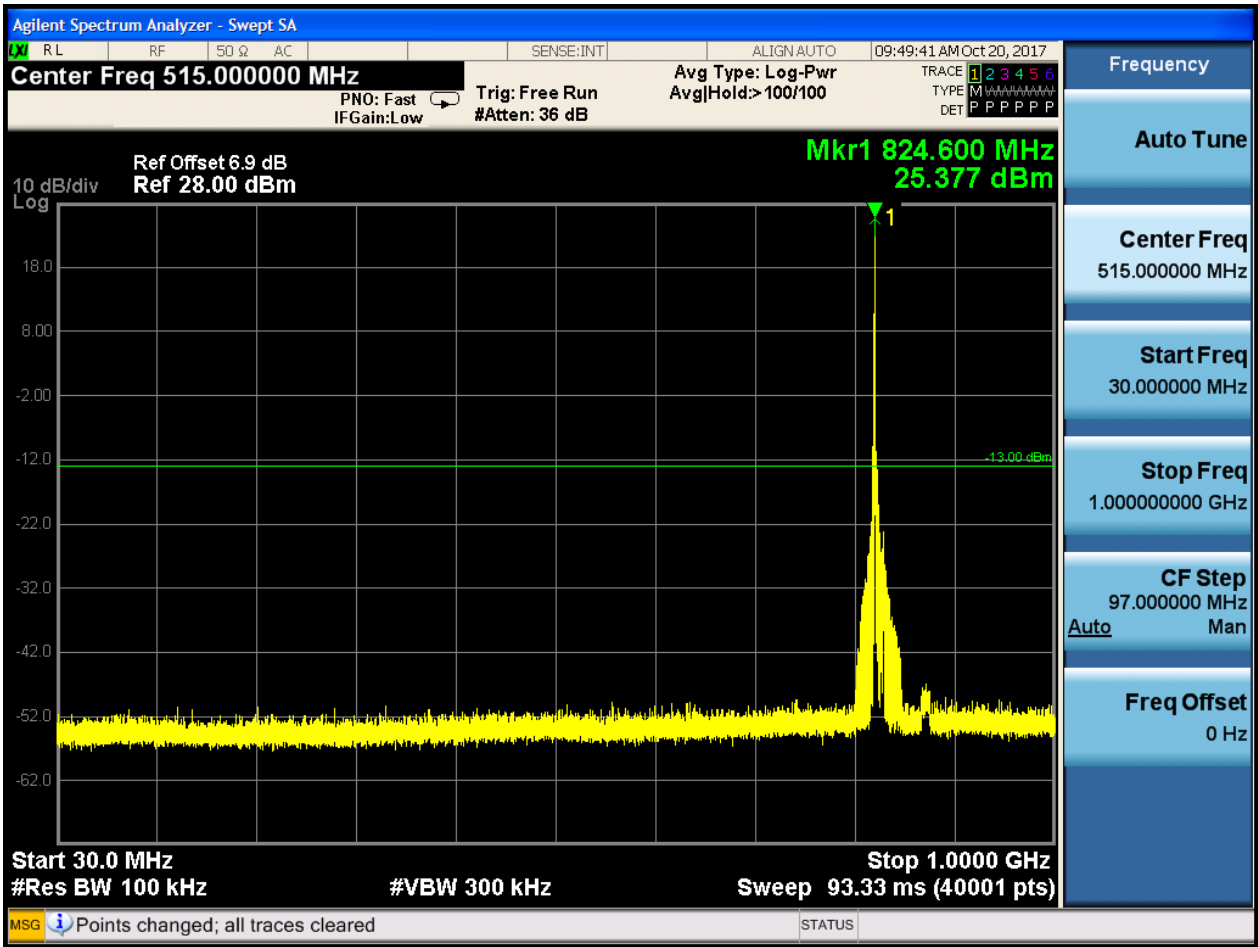
6.1.1.2.2 Test Bandwidth = 10

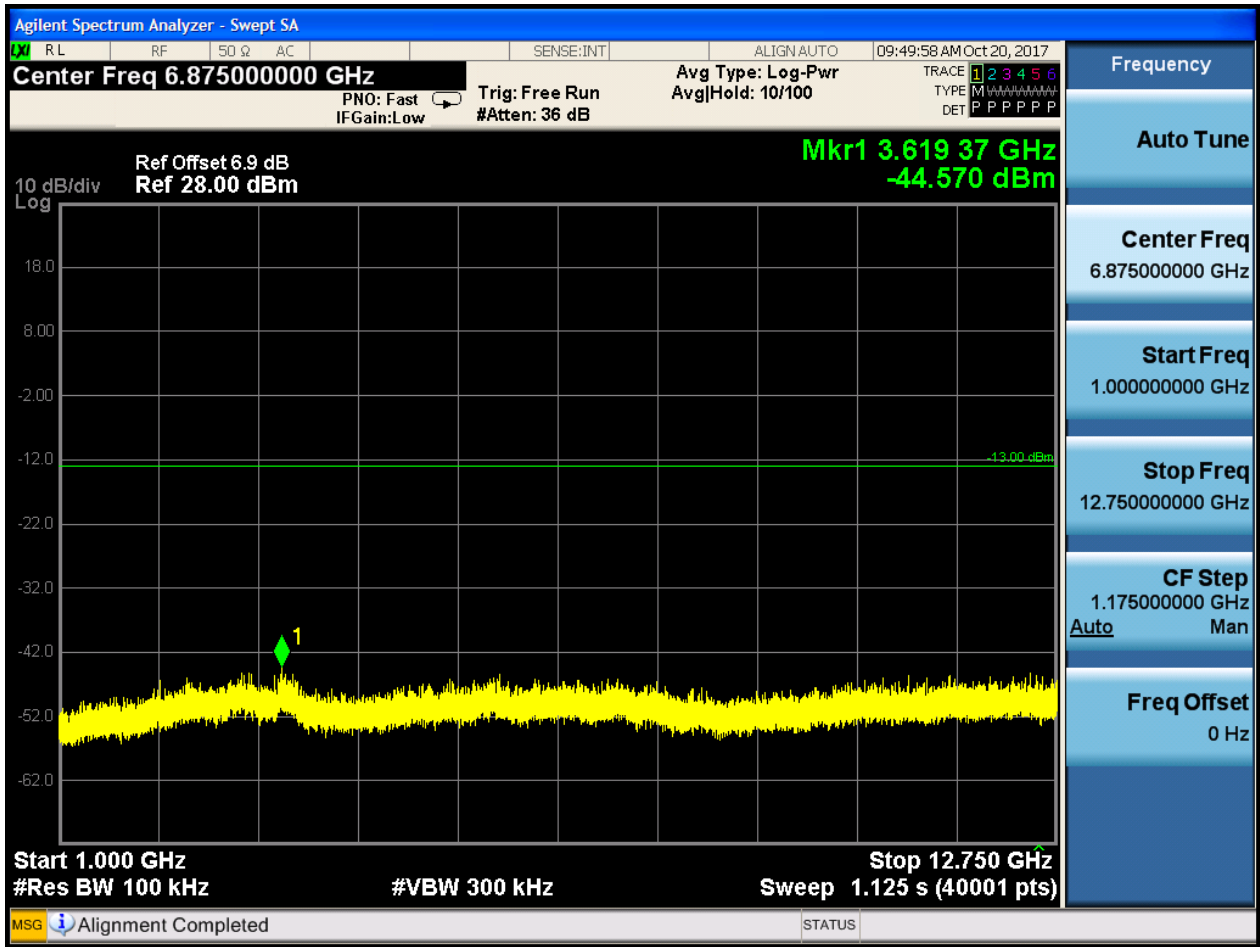
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





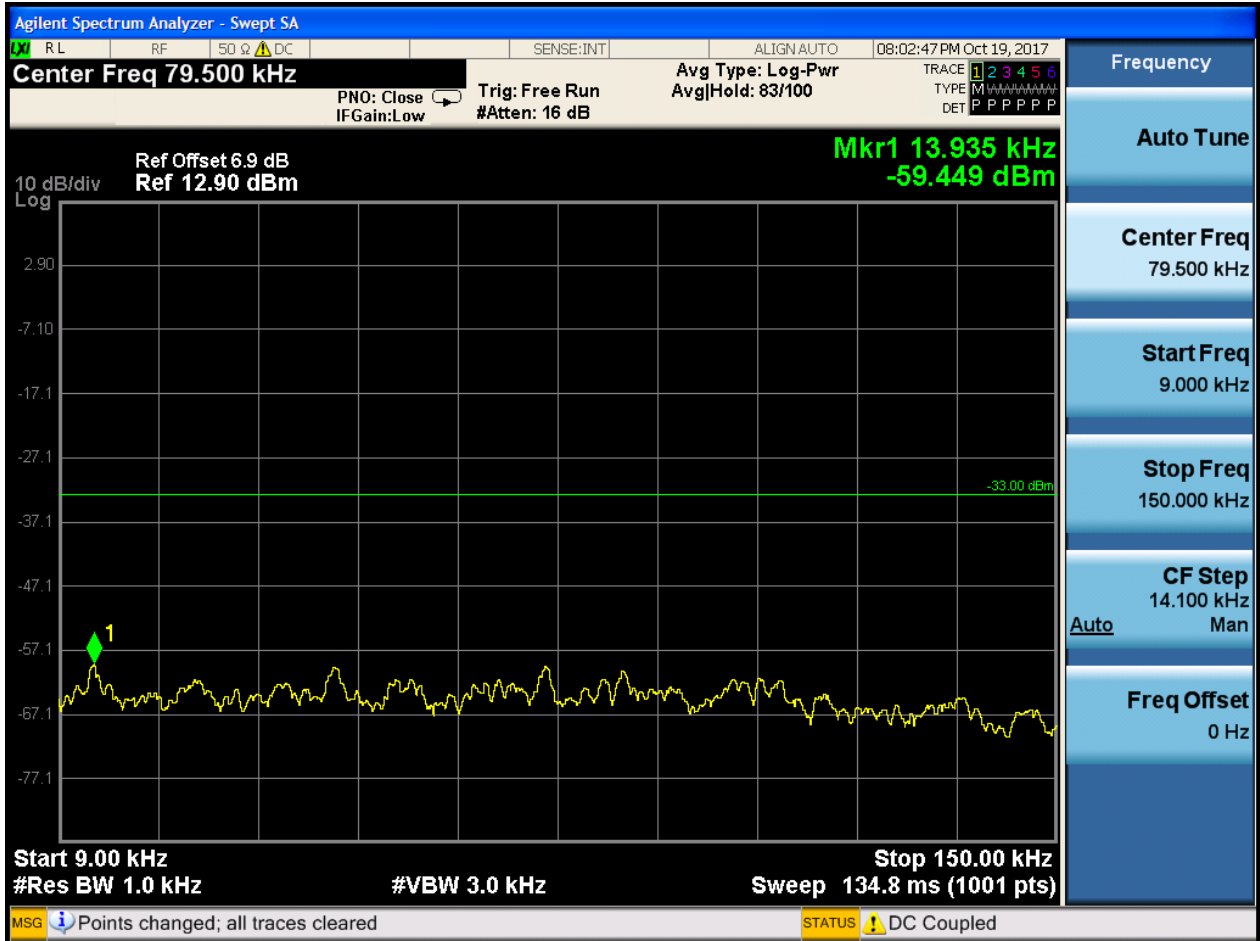


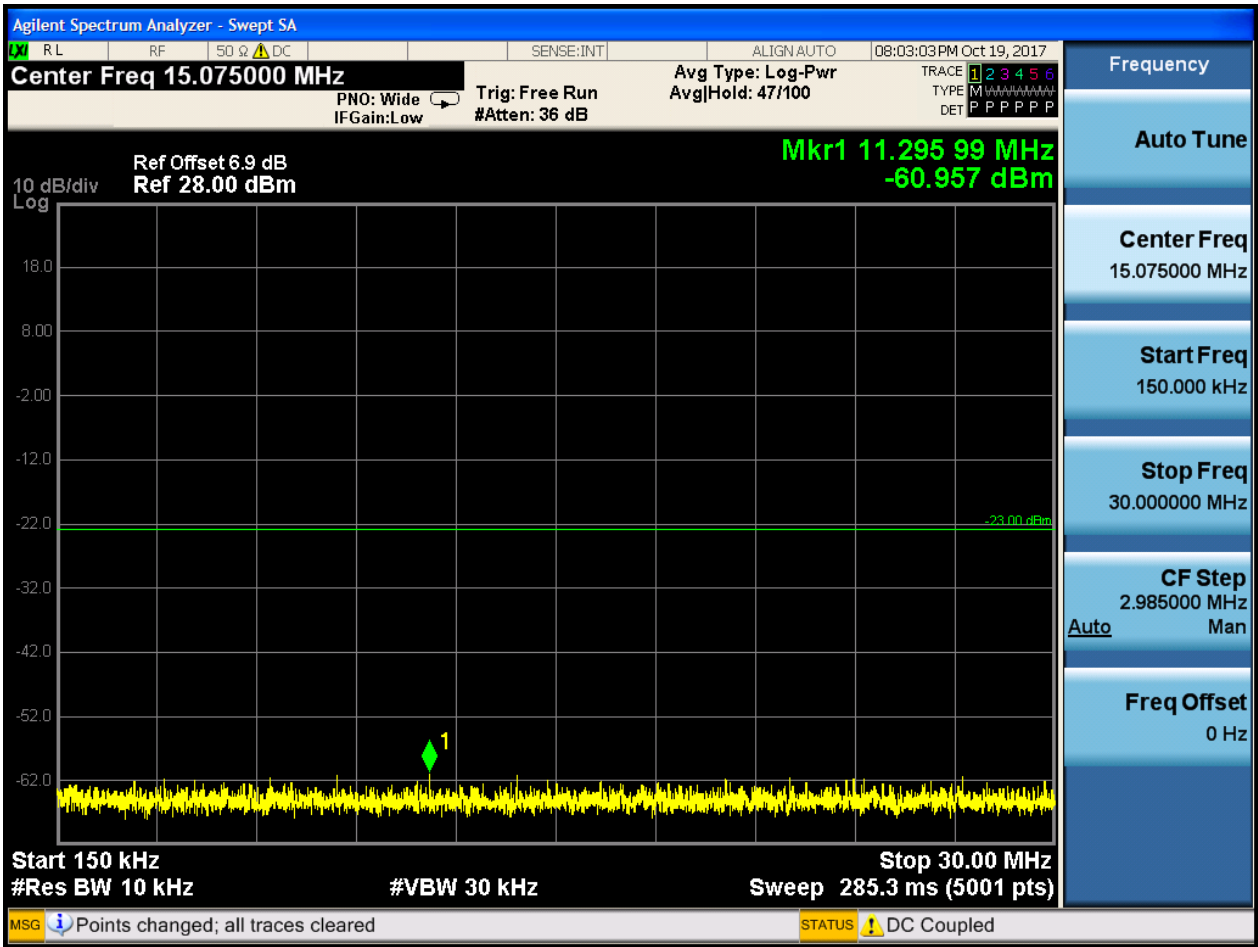


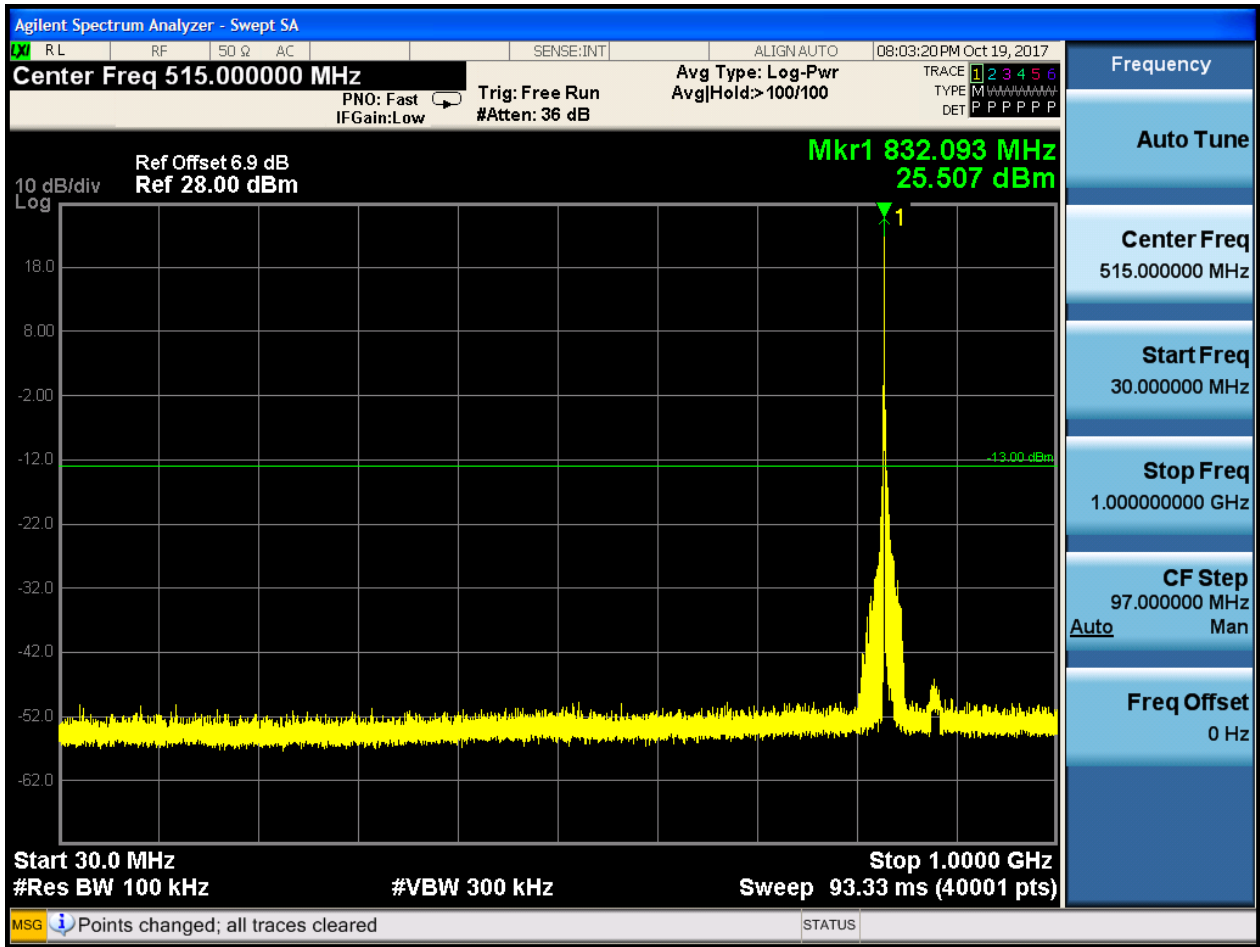


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



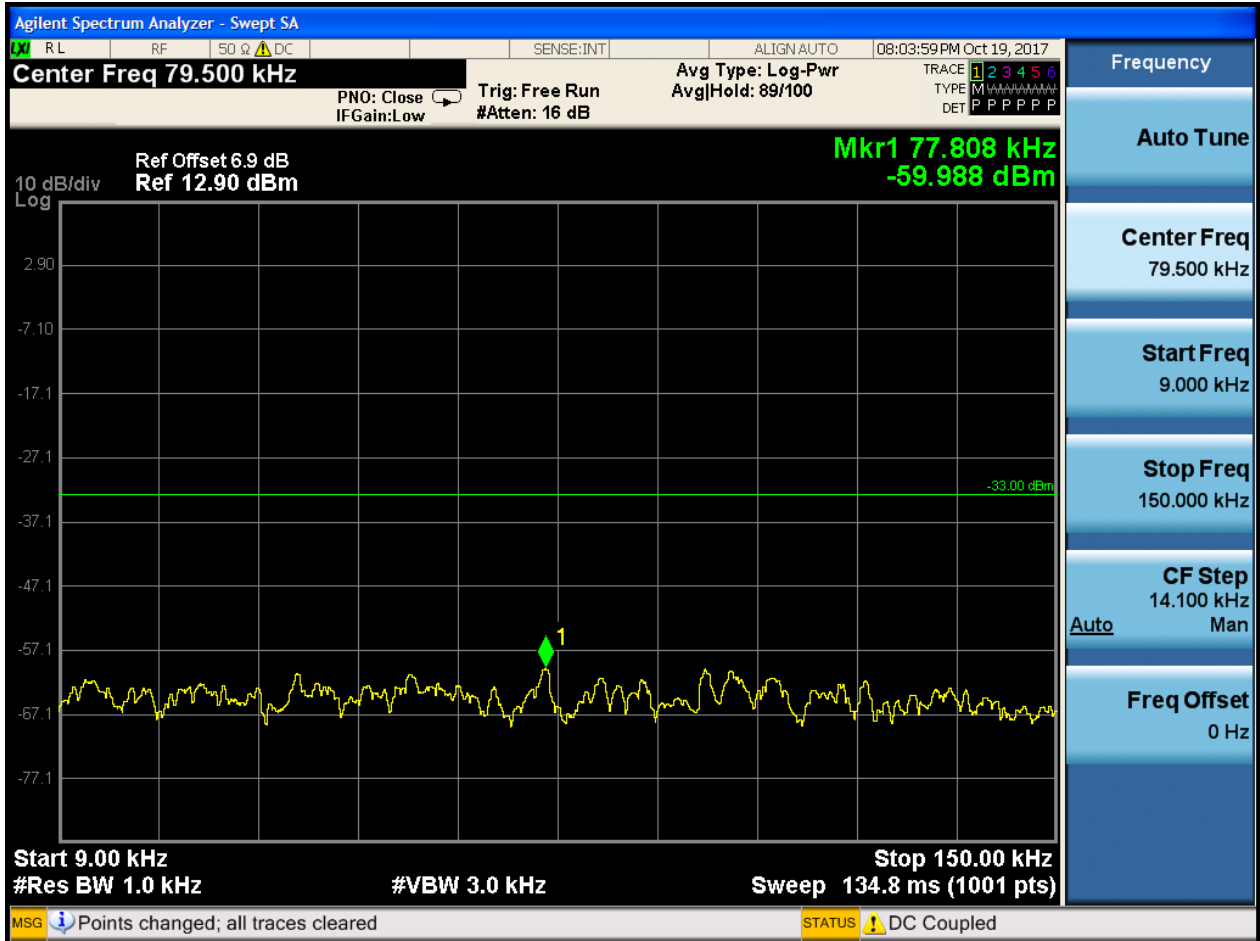






6.1.1.2.2.3 Test Channel = HCH

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

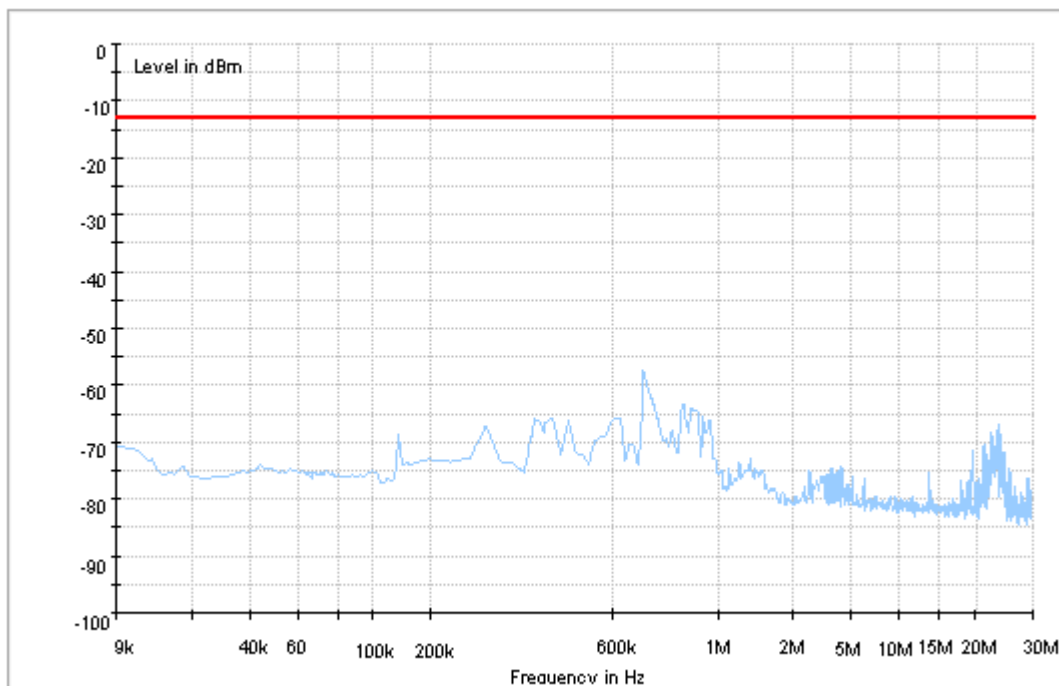
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

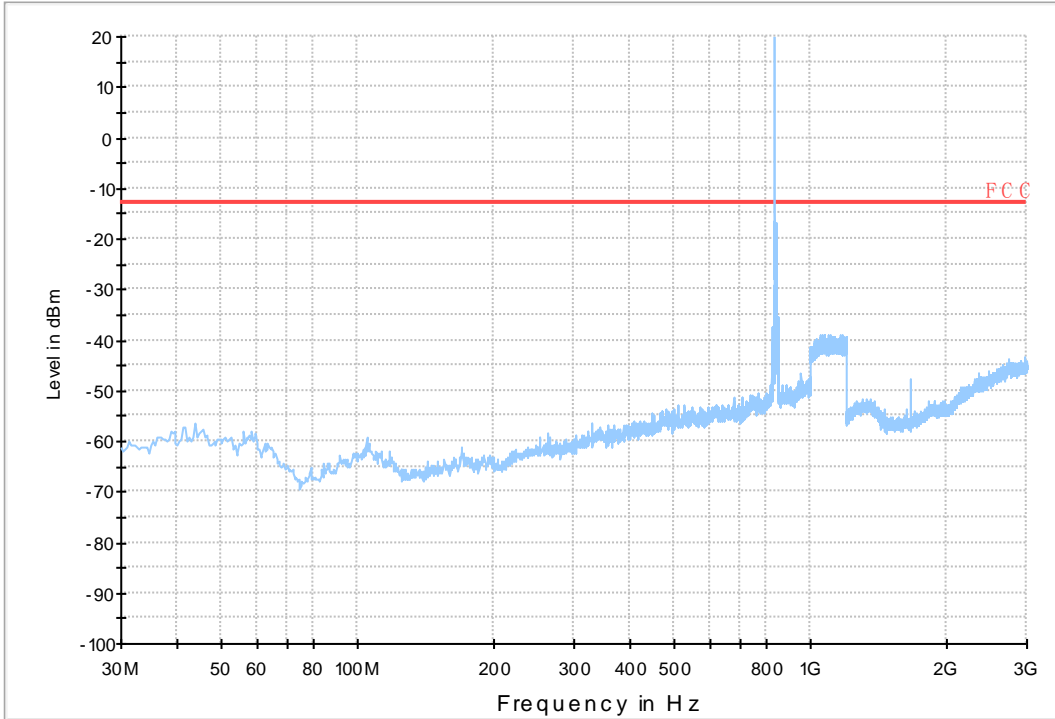
7.1 For LTE

7.1.1 Test Band = BAND5

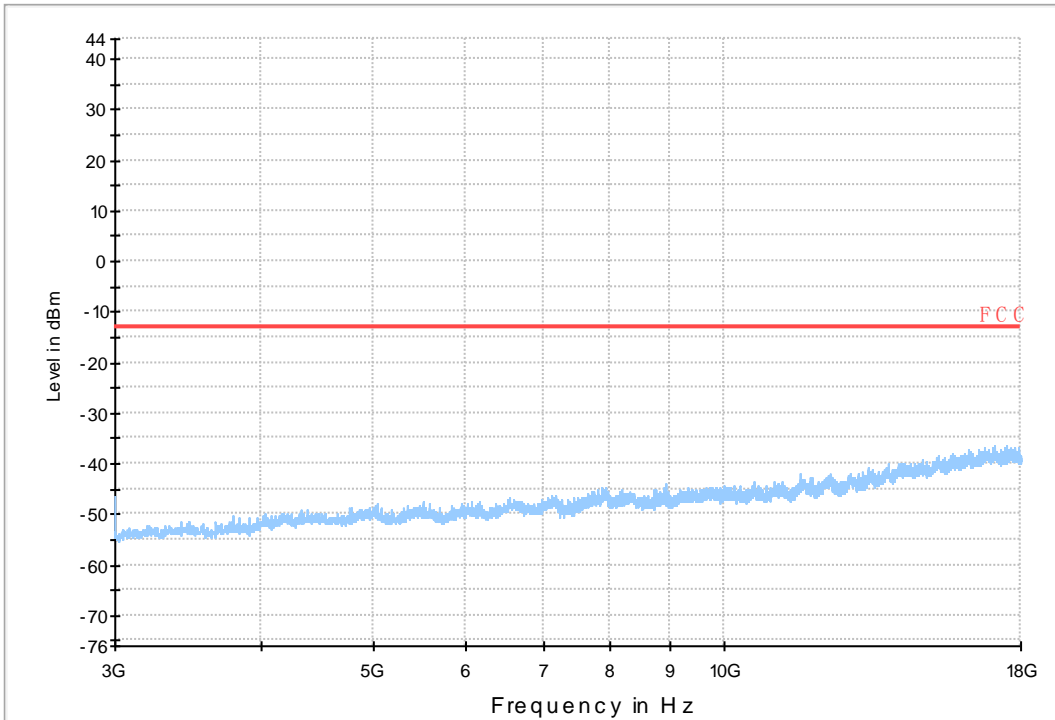
7.1.1.1 Test Bandwidth = 5



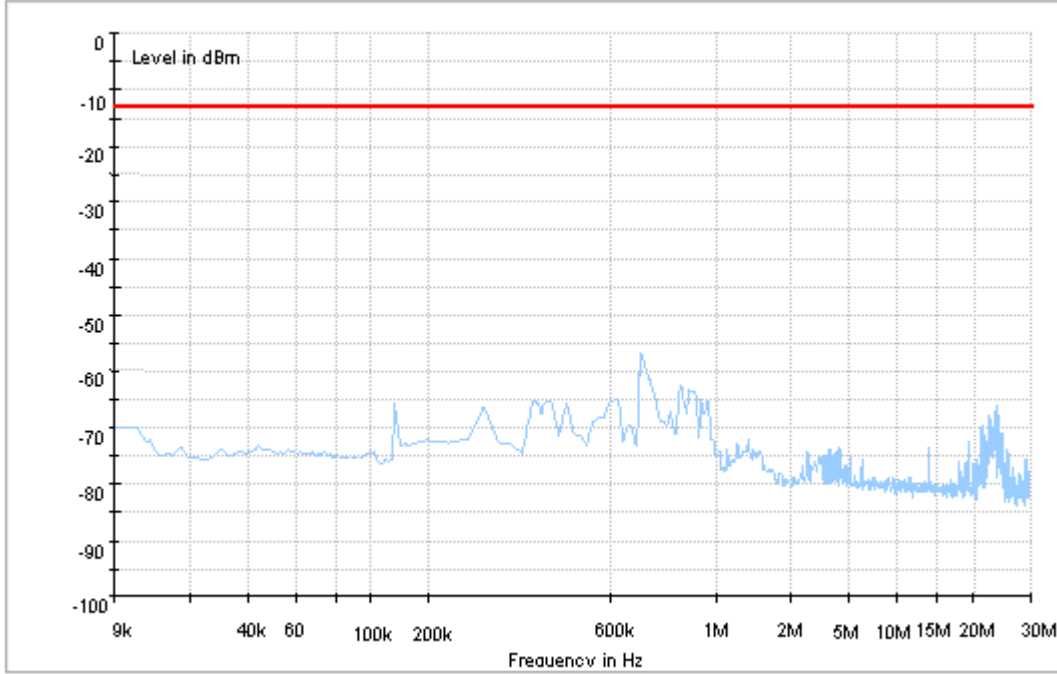
Copy of RSE-TX-DIRECTOR BELOW 1G_L



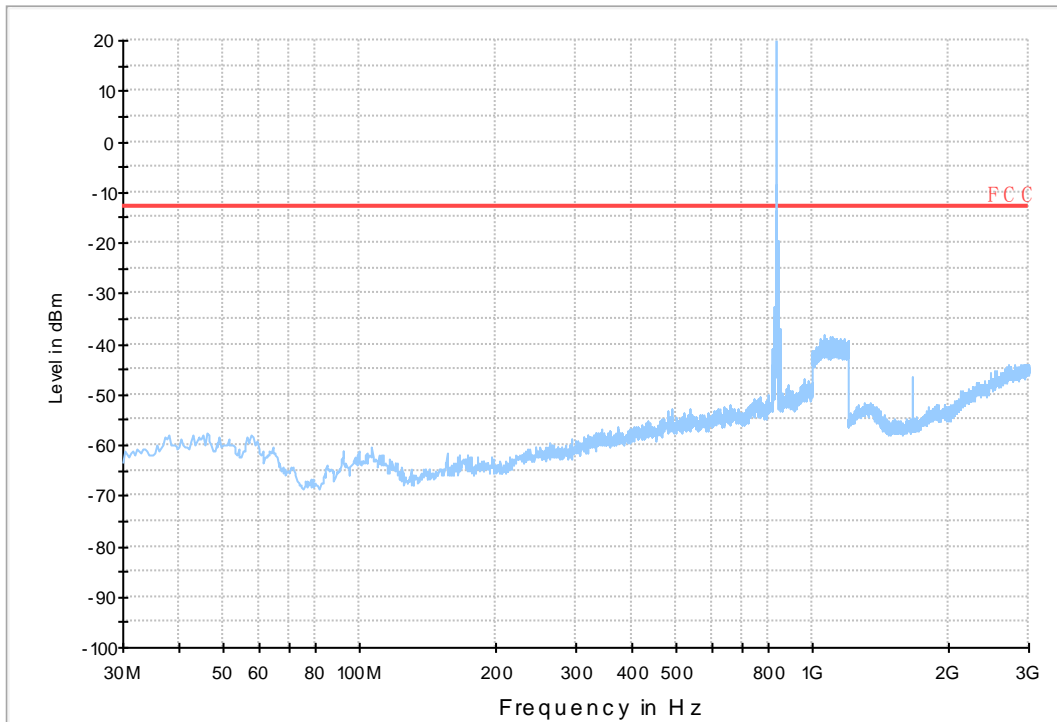
Copy of RSE-TX-DIRECTOR BELOW 1G_H



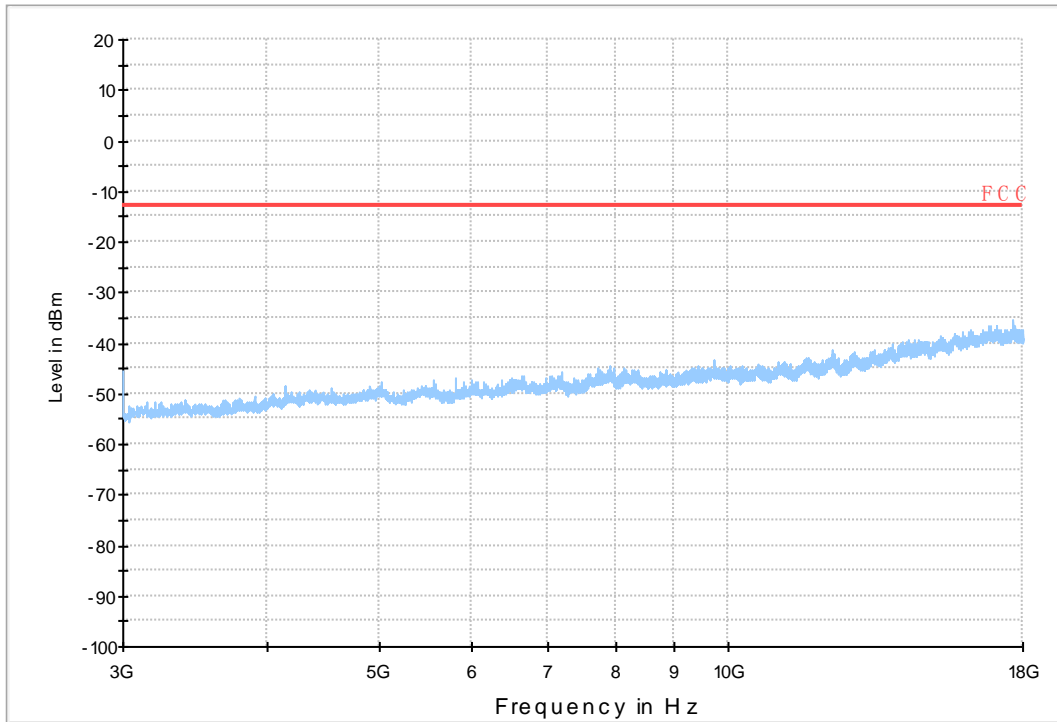
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 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
BAND5	LTE/TM1	5	LCH	TN	VL	0.41	0.0005	PASS
					VN	-0.4	-0.00048	PASS
					VH	0.31	0.00038	PASS
			MCH	TN	VL	-9.3	-0.01112	PASS
					VN	-25.53	-0.03052	PASS
					VH	-15.48	-0.01851	PASS
		HCH	TN	VL	-0.97	-0.00115	PASS	
				VN	2.99	0.00353	PASS	
				VH	1.17	0.00138	PASS	
		10	LCH	TN	VL	4.52	0.00545	PASS
					VN	4.05	0.00489	PASS
					VH	0.62	0.00075	PASS
			MCH	TN	VL	-6.44	-0.0077	PASS
					VN	-9.1	-0.01088	PASS
					VH	-4.91	-0.00587	PASS
	HCH	TN	VL	1.2	0.00142	PASS		
			VN	-11.57	-0.01371	PASS		
			VH	-21.39	-0.02534	PASS		
	LTE/TM2	5	LCH	TN	VL	-6.85	-0.00829	PASS
					VN	-0.16	-0.00019	PASS
					VH	0.19	0.00023	PASS
			MCH	TN	VL	-6.95	-0.00831	PASS
					VN	12.72	0.01521	PASS
					VH	-2.63	-0.00314	PASS
		HCH	TN	VL	-7.88	-0.00931	PASS	
				VN	-3.63	-0.00429	PASS	
				VH	-0.54	-0.00064	PASS	
10		LCH	TN	VL	5.01	0.00604	PASS	
				VN	5.08	0.00613	PASS	
				VH	6.87	0.00829	PASS	
	MCH	TN	VL	-4.73	-0.00565	PASS		
			VN	-3.49	-0.00417	PASS		
			VH	-2.57	-0.00307	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	-22.07	-0.02615	PASS
					VN	1.82	0.00216	PASS
					VH	2.09	0.00248	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
BAND5	LTE/TM1	5	LCH	VN	-30	-2.05	-0.00248	PASS
					-20	5.64	0.00682	PASS
					-10	-3.42	-0.00414	PASS
					0	3.88	0.00469	PASS
					10	-8.85	-0.01071	PASS
					20	4.02	0.00486	PASS
					30	4.63	0.0056	PASS
					40	6.35	0.00768	PASS
			MCH	VN	-30	27.15	0.03246	PASS
					-20	7.47	0.00893	PASS
					-10	33.93	0.04056	PASS
					0	26.92	0.03218	PASS
					10	-10.57	-0.01264	PASS
					20	28.4	0.03395	PASS
					30	-6.18	-0.00739	PASS
					40	1.92	0.0023	PASS
			HCH	VN	-30	8.41	0.00994	PASS
					-20	1.86	0.0022	PASS
					-10	2.86	0.00338	PASS
					0	10.76	0.01271	PASS
					10	1.32	0.00156	PASS
					20	-2.62	-0.0031	PASS
					30	8.73	0.01031	PASS
					40	10.53	0.01244	PASS
		50	-1.03	-0.00122	PASS			
		10	LCH	VN	-30	2.72	0.00328	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	1.43	0.00172	PASS
					-10	6.17	0.00744	PASS
					0	11.62	0.01402	PASS
					10	3.33	0.00402	PASS
					20	8.77	0.01058	PASS
					30	5.84	0.00704	PASS
					40	2.35	0.00283	PASS
					50	6.75	0.00814	PASS
			MCH	VN	-30	-4.19	-0.00501	PASS
					-20	-0.67	-0.0008	PASS
					-10	-6.18	-0.00739	PASS
					0	-6.54	-0.00782	PASS
					10	-1.83	-0.00219	PASS
					20	-3.28	-0.00392	PASS
					30	-4.11	-0.00491	PASS
					40	-1.14	-0.00136	PASS
			HCH	VN	-30	-4.71	-0.00558	PASS
					-20	-0.31	-0.00037	PASS
					-10	0.6	0.00071	PASS
					0	-1	-0.00118	PASS
					10	1.62	0.00192	PASS
					20	1.7	0.00201	PASS
					30	-2.9	-0.00344	PASS
					40	-0.19	-0.00023	PASS
	LCH	VN	-30	1.07	0.00129	PASS		
			-20	2.93	0.00355	PASS		
			-10	5.82	0.00704	PASS		
			0	5.49	0.00664	PASS		
			10	6.79	0.00822	PASS		
			20	2.52	0.00305	PASS		
			30	-3.43	-0.00415	PASS		
			40	4.43	0.00536	PASS		
			50	6.18	0.00748	PASS		
			MCH	VN	-30	-4.53	-0.00542	PASS
					-20	-48.55	-0.05804	PASS
					-10	-22.72	-0.02716	PASS
0	34.32	0.04103			PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	5.36	0.00641	PASS		
					20	-13.75	-0.01644	PASS		
					30	-38.82	-0.04641	PASS		
					40	-39.57	-0.0473	PASS		
					50	3.25	0.00389	PASS		
			HCH	VN	-30	5.14	0.00607	PASS		
					-20	-6.32	-0.00747	PASS		
					-10	17.28	0.02041	PASS		
					0	1.39	0.00164	PASS		
					10	-0.82	-0.00097	PASS		
					20	-7.77	-0.00918	PASS		
					30	1.96	0.00232	PASS		
					40	2.63	0.00311	PASS		
					50	-4.65	-0.00549	PASS		
					LCH	VN	-30	8.97	0.01082	PASS
							-20	11.6	0.01399	PASS
							-10	12.77	0.0154	PASS
							0	11.36	0.0137	PASS
							10	-1.14	-0.00138	PASS
							20	5.49	0.00662	PASS
		30	7.81	0.00942			PASS			
		40	8.34	0.01006			PASS			
		50	10.31	0.01244			PASS			
		MCH	VN	-30			-12.27	-0.01467	PASS	
				-20	-6.79	-0.00812	PASS			
				-10	-2.49	-0.00298	PASS			
				0	-9.01	-0.01077	PASS			
				10	-6.04	-0.00722	PASS			
				20	-6.55	-0.00783	PASS			
				30	-13.03	-0.01558	PASS			
				40	-6.52	-0.00779	PASS			
				50	-11.8	-0.01411	PASS			
				HCH	VN	-30	-5.06	-0.006	PASS	
		-20	-3.59			-0.00425	PASS			
		-10	-1.62			-0.00192	PASS			
		0	-4.66			-0.00552	PASS			
		10	-5.34			-0.00633	PASS			
		20	-6.59			-0.00781	PASS			
		30	-5.21			-0.00617	PASS			
		10					-30	8.97	0.01082	PASS
-20	11.6						0.01399	PASS		
-10	12.77						0.0154	PASS		
0	11.36						0.0137	PASS		
10	-1.14						-0.00138	PASS		
20	5.49						0.00662	PASS		
30	7.81						0.00942	PASS		
40	8.34						0.01006	PASS		
50	10.31						0.01244	PASS		
-30	-12.27						-0.01467	PASS		
-20	-6.79	-0.00812	PASS							
-10	-2.49	-0.00298	PASS							
0	-9.01	-0.01077	PASS							
10	-6.04	-0.00722	PASS							
20	-6.55	-0.00783	PASS							
30	-13.03	-0.01558	PASS							
40	-6.52	-0.00779	PASS							
50	-11.8	-0.01411	PASS							
-30	-5.06	-0.006	PASS							
-20	-3.59	-0.00425	PASS							
-10	-1.62	-0.00192	PASS							
0	-4.66	-0.00552	PASS							
10	-5.34	-0.00633	PASS							
20	-6.59	-0.00781	PASS							
30	-5.21	-0.00617	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-5.02	-0.00595	PASS
					50	-0.33	-0.00039	PASS

END