



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
BAND17	LTE/TM1	5	LCH	RB1#0	22.22	16.57	34.7	PASS
				RB1#13	23.31	17.66	34.7	PASS
				RB1#24	23.97	18.32	34.7	PASS
				RB12#0	22.47	16.82	34.7	PASS
				RB12#6	22.46	16.81	34.7	PASS
				RB12#13	22.32	16.67	34.7	PASS
				RB25#0	22.47	16.82	34.7	PASS
			MCH	RB1#0	22.26	16.61	34.7	PASS
				RB1#13	23.85	18.2	34.7	PASS
				RB1#24	24.71	19.06	34.7	PASS
				RB12#0	22.69	17.04	34.7	PASS
				RB12#6	22.97	17.32	34.7	PASS
				RB12#13	22.95	17.3	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.92	17.27	34.7	PASS
			HCH	RB1#0	22.87	17.22	34.7	PASS
				RB1#13	24.26	18.61	34.7	PASS
				RB1#24	23.91	18.26	34.7	PASS
				RB12#0	23.29	17.64	34.7	PASS
				RB12#6	23.41	17.76	34.7	PASS
				RB12#13	22.92	17.27	34.7	PASS
				RB25#0	23.01	17.36	34.7	PASS
		10		LCH	RB1#0	23.39	17.74	34.7
			RB1#25		23.7	18.05	34.7	PASS
			RB1#49		24.49	18.84	34.7	PASS
			RB25#0		22.29	16.64	34.7	PASS
			RB25#13		22.62	16.97	34.7	PASS
			RB25#25		22.76	17.11	34.7	PASS
			RB50#0		22.56	16.91	34.7	PASS
			MCH	RB1#0	23.31	17.66	34.7	PASS
				RB1#25	23.88	18.23	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	24.2	18.55	34.7	PASS
				RB25#0	22.29	16.64	34.7	PASS
				RB25#13	22.92	17.27	34.7	PASS
				RB25#25	22.67	17.02	34.7	PASS
				RB50#0	22.73	17.08	34.7	PASS
			HCH	RB1#0	23.43	17.78	34.7	PASS
				RB1#25	24.03	18.38	34.7	PASS
				RB1#49	23.76	18.11	34.7	PASS
				RB25#0	22.43	16.78	34.7	PASS
				RB25#13	23.06	17.41	34.7	PASS
	LCH	RB25#25	22.88	17.23	34.7	PASS		
		RB50#0	22.85	17.2	34.7	PASS		
		RB1#0	21.1	15.45	34.7	PASS		
		RB1#13	22.32	16.67	34.7	PASS		
		RB1#24	23.01	17.36	34.7	PASS		
LTE/TM2	5		RB12#0	21.36	15.71	34.7	PASS	
			RB12#6	21.41	15.76	34.7	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB12#13	21.33	15.68	34.7	PASS	
				RB25#0	21.4	15.75	34.7	PASS	
			MCH	RB1#0	21.3	15.65	34.7	PASS	
				RB1#13	22.58	16.93	34.7	PASS	
				RB1#24	23.36	17.71	34.7	PASS	
				RB12#0	21.53	15.88	34.7	PASS	
				RB12#6	21.79	16.14	34.7	PASS	
				RB12#13	21.54	15.89	34.7	PASS	
				RB25#0	21.72	16.07	34.7	PASS	
				HCH	RB1#0	21.69	16.04	34.7	PASS
			RB1#13		23.11	17.46	34.7	PASS	
			RB1#24		22.98	17.33	34.7	PASS	
			RB12#0		21.82	16.17	34.7	PASS	
			RB12#6		22	16.35	34.7	PASS	
			RB12#13		21.66	16.01	34.7	PASS	
			RB25#0		21.63	15.98	34.7	PASS	
			10	LCH	RB1#0	22.44	16.79	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.48	16.83	34.7	PASS
				RB1#49	23.05	17.4	34.7	PASS
				RB25#0	21.27	15.62	34.7	PASS
				RB25#13	21.5	15.85	34.7	PASS
				RB25#25	21.39	15.74	34.7	PASS
				RB50#0	21.26	15.61	34.7	PASS
			MCH	RB1#0	22.26	16.61	34.7	PASS
				RB1#25	22.62	16.97	34.7	PASS
				RB1#49	23.04	17.39	34.7	PASS
				RB25#0	21.24	15.59	34.7	PASS
				RB25#13	21.65	16	34.7	PASS
				RB25#25	21.21	15.56	34.7	PASS
				RB50#0	21.39	15.74	34.7	PASS
			HCH	RB1#0	22.4	16.75	34.7	PASS
				RB1#25	22.77	17.12	34.7	PASS
				RB1#49	22.67	17.02	34.7	PASS
				RB25#0	21.36	15.71	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.78	16.13	34.7	PASS
				RB25#25	21.51	15.86	34.7	PASS
				RB50#0	21.5	15.85	34.7	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2:

SET Span=1.5*OBW

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

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND17	LTE/TM1	5	LCH	RB1#0	4.65	13	PASS
				RB1#13	4.22	13	PASS
				RB1#24	3.81	13	PASS
				RB12#0	5.05	13	PASS
				RB12#6	4.93	13	PASS
				RB12#13	4.98	13	PASS
				RB25#0	5.42	13	PASS
			MCH	RB1#0	4.54	13	PASS
				RB1#13	4.04	13	PASS
				RB1#24	3.52	13	PASS
				RB12#0	4.93	13	PASS
				RB12#6	4.62	13	PASS
				RB12#13	4.93	13	PASS
				RB25#0	5.19	13	PASS
		HCH	RB1#0	4.31	13	PASS	
			RB1#13	3.78	13	PASS	
			RB1#24	3.83	13	PASS	
			RB12#0	4.79	13	PASS	
			RB12#6	4.65	13	PASS	
			RB12#13	4.97	13	PASS	
			RB25#0	5.28	13	PASS	
		10	LCH	RB1#0	4.13	13	PASS
				RB1#25	3.96	13	PASS
				RB1#49	3.75	13	PASS
				RB25#0	5.18	13	PASS
				RB25#13	4.84	13	PASS
				RB25#25	5.09	13	PASS
				RB50#0	5.63	13	PASS
MCH	RB1#0		4.33	13	PASS		
	RB1#25		3.91	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	3.93	13	PASS
				RB25#0	5.37	13	PASS
				RB25#13	4.86	13	PASS
				RB25#25	5.39	13	PASS
				RB50#0	5.75	13	PASS
			HCH	RB1#0	4.23	13	PASS
				RB1#25	3.97	13	PASS
				RB1#49	4.05	13	PASS
				RB25#0	5.12	13	PASS
				RB25#13	4.91	13	PASS
				RB25#25	5.06	13	PASS
			LCH	RB50#0	5.67	13	PASS
				RB1#0	5.62	13	PASS
				RB1#13	5.07	13	PASS
				RB1#24	4.72	13	PASS
	RB12#0	5.77		13	PASS		
	RB12#6	5.55		13	PASS		
	MCH	RB12#13	5.62	13	PASS		
		RB25#0	6.3	13	PASS		
		RB1#0	5.2	13	PASS		
		RB1#13	4.7	13	PASS		
		RB1#24	4.2	13	PASS		
		RB12#0	5.5	13	PASS		
		RB12#6	5.37	13	PASS		
	HCH	RB12#13	5.65	13	PASS		
		RB25#0	6.15	13	PASS		
		RB1#0	5.37	13	PASS		
		RB1#13	4.71	13	PASS		
		RB1#24	4.65	13	PASS		
		RB12#0	5.4	13	PASS		
LCH	RB12#6	5.3	13	PASS			
	RB12#13	5.63	13	PASS			
	RB25#0	6	13	PASS			
	RB1#0	4.69	13	PASS			
	RB1#25	4.71	13	PASS			
	RB1#49	4.41	13	PASS			
		10	LCH	RB25#0	5.88	13	PASS
				RB25#13	5.54	13	PASS
				RB25#25	5.76	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.18	13	PASS
			MCH	RB1#0	4.84	13	PASS
				RB1#25	4.79	13	PASS
				RB1#49	4.58	13	PASS
				RB25#0	5.86	13	PASS
				RB25#13	5.56	13	PASS
				RB25#25	5.98	13	PASS
				RB50#0	6.13	13	PASS
			HCH	RB1#0	4.71	13	PASS
				RB1#25	4.62	13	PASS
				RB1#49	4.94	13	PASS
				RB25#0	5.79	13	PASS
				RB25#13	5.7	13	PASS
				RB25#25	5.83	13	PASS
				RB50#0	6.29	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

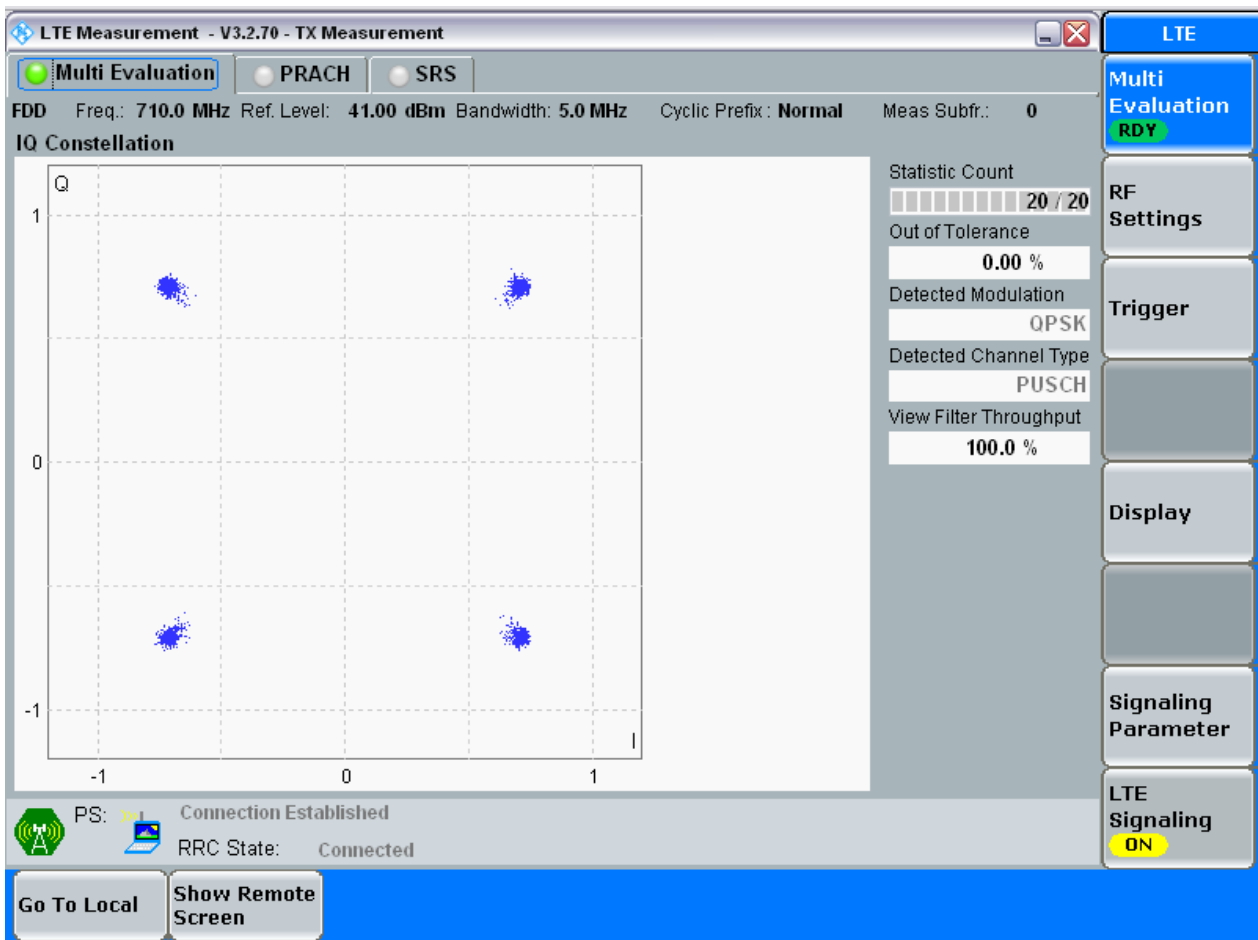
3.1.1 Test Band = BAND17

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

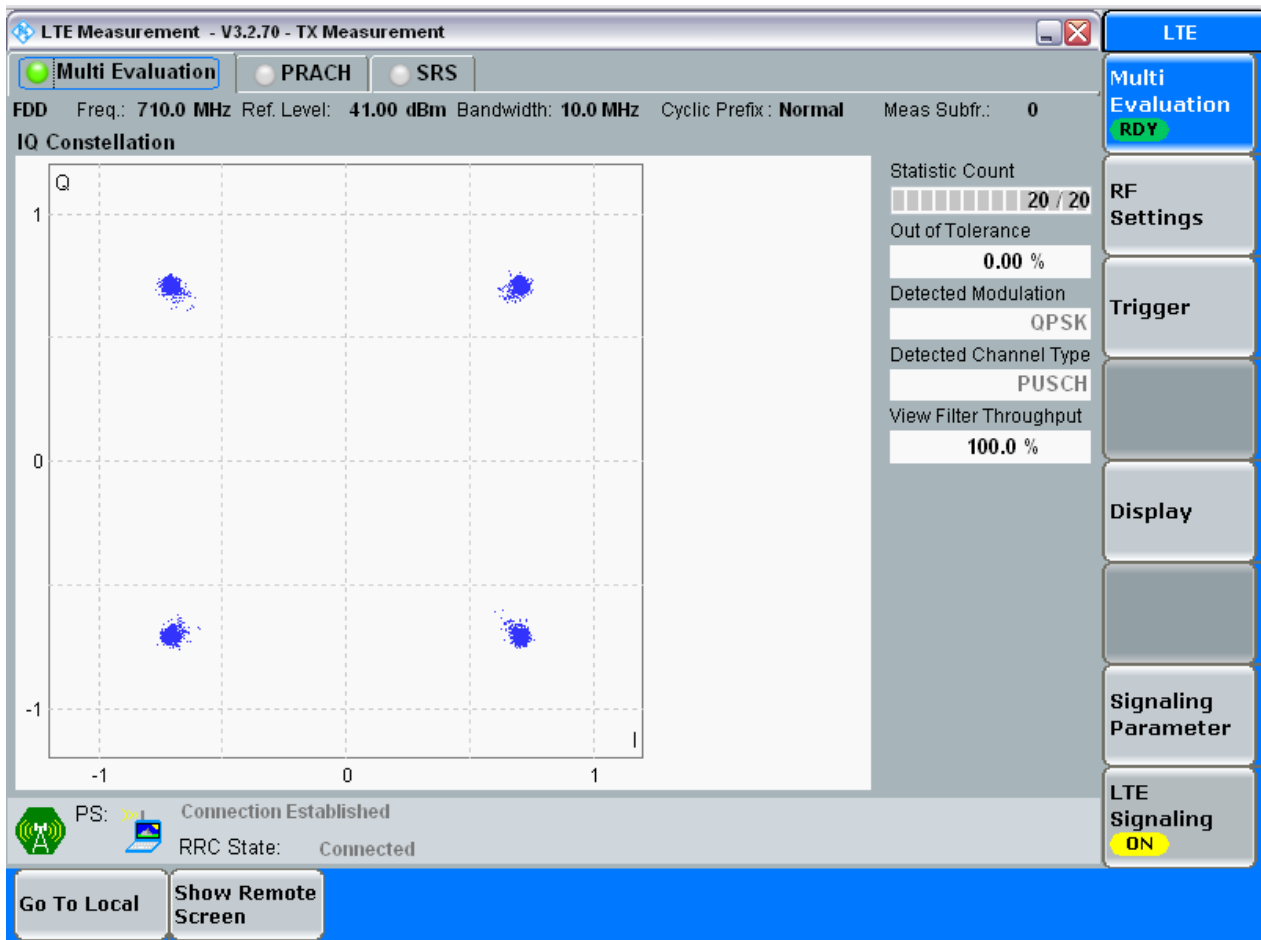
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB50#0

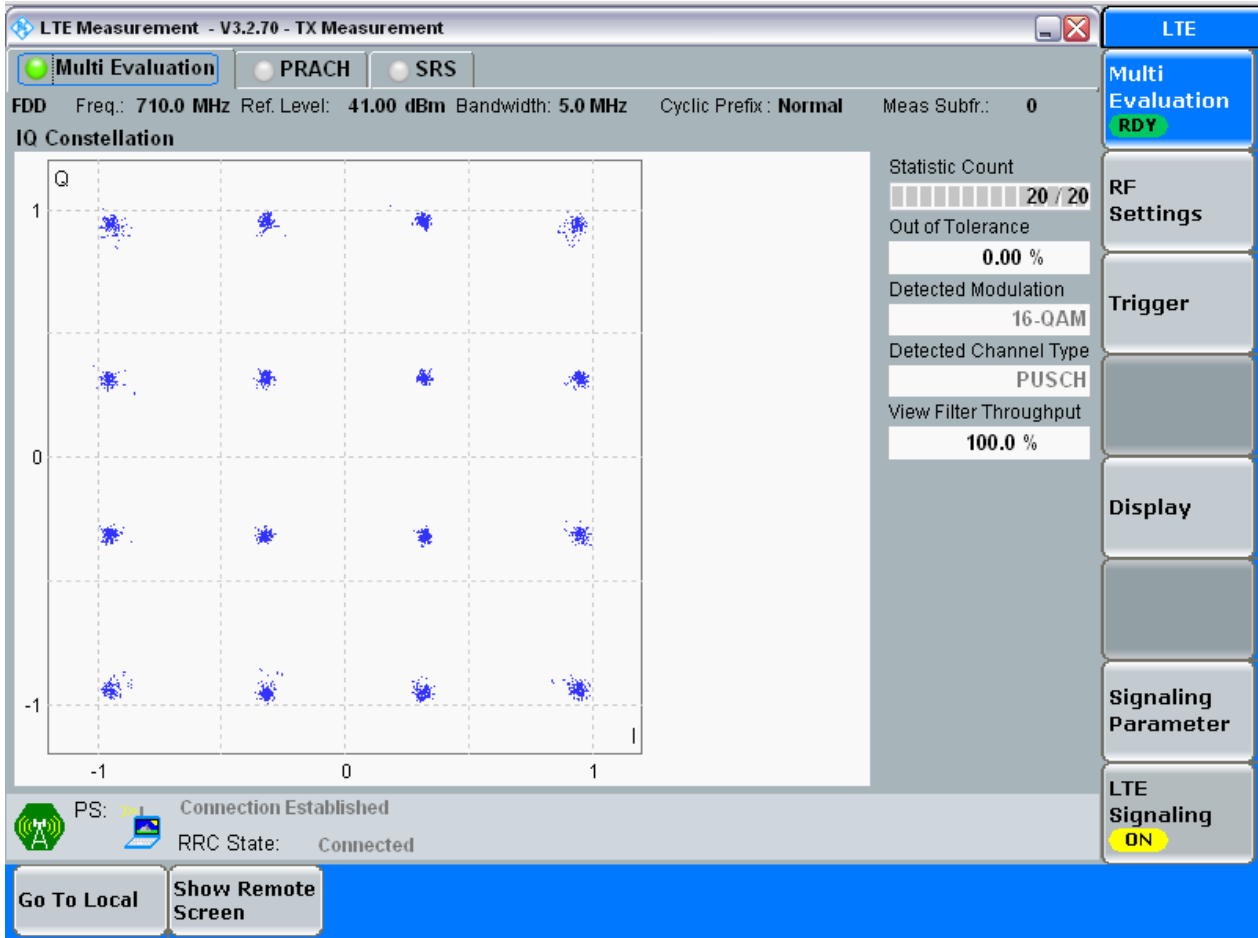


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

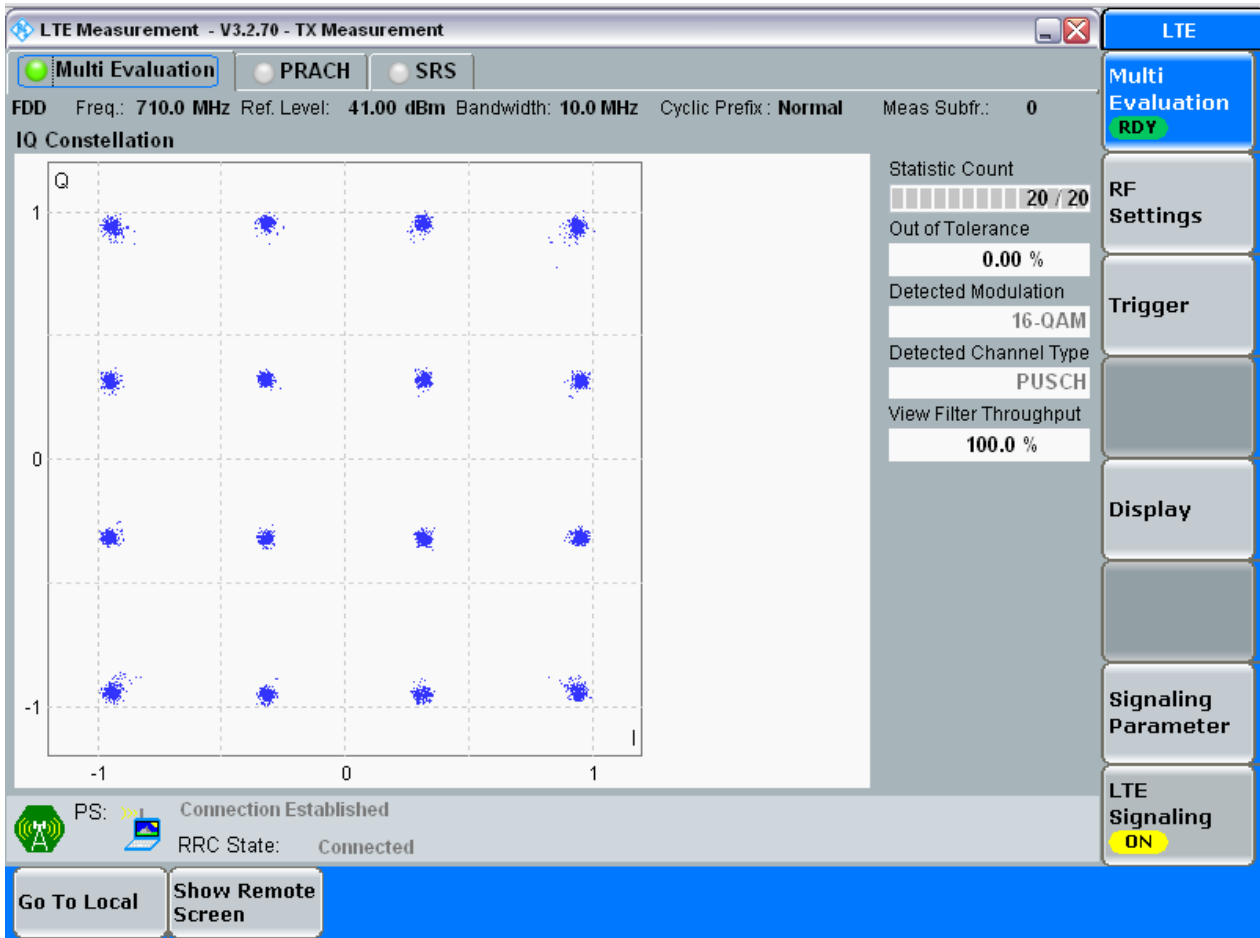
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB50#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND17	LTE/TM1	5	LCH	RB25#0	4.52	4.98	Pass
			MCH	RB25#0	4.52	4.97	Pass
			HCH	RB25#0	4.50	4.96	Pass
		10	LCH	RB50#0	9.04	9.98	Pass
			MCH	RB50#0	9.04	9.95	Pass
			HCH	RB50#0	8.97	9.83	Pass
	LTE/TM2	5	LCH	RB25#0	4.52	4.97	Pass
			MCH	RB25#0	4.52	4.99	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	9.03	10.05	Pass
			MCH	RB50#0	9.01	10.02	Pass
			HCH	RB50#0	9.01	9.89	Pass



Part II - Test Plots

4.1 For LTE

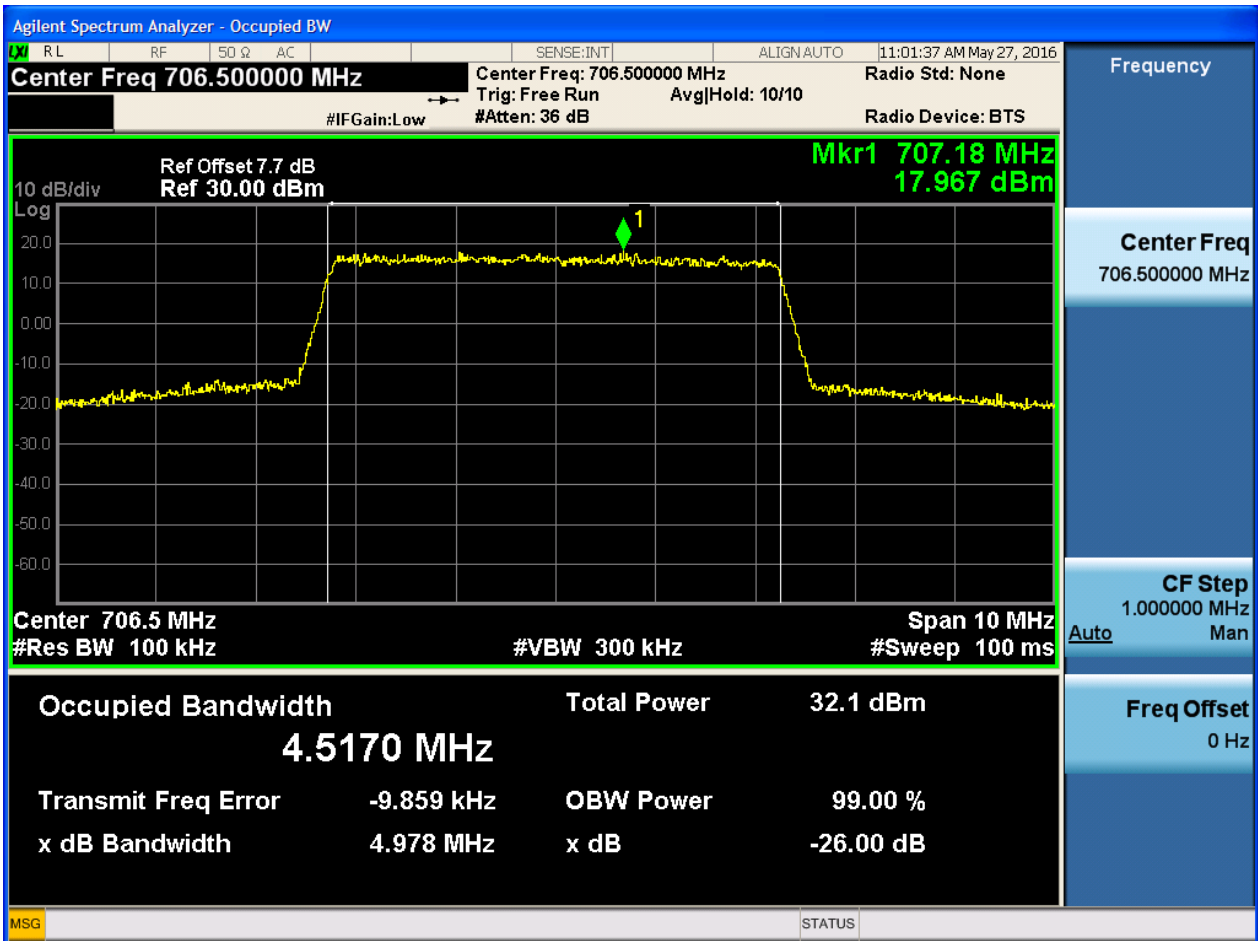
4.1.1 Test Band = BAND17

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

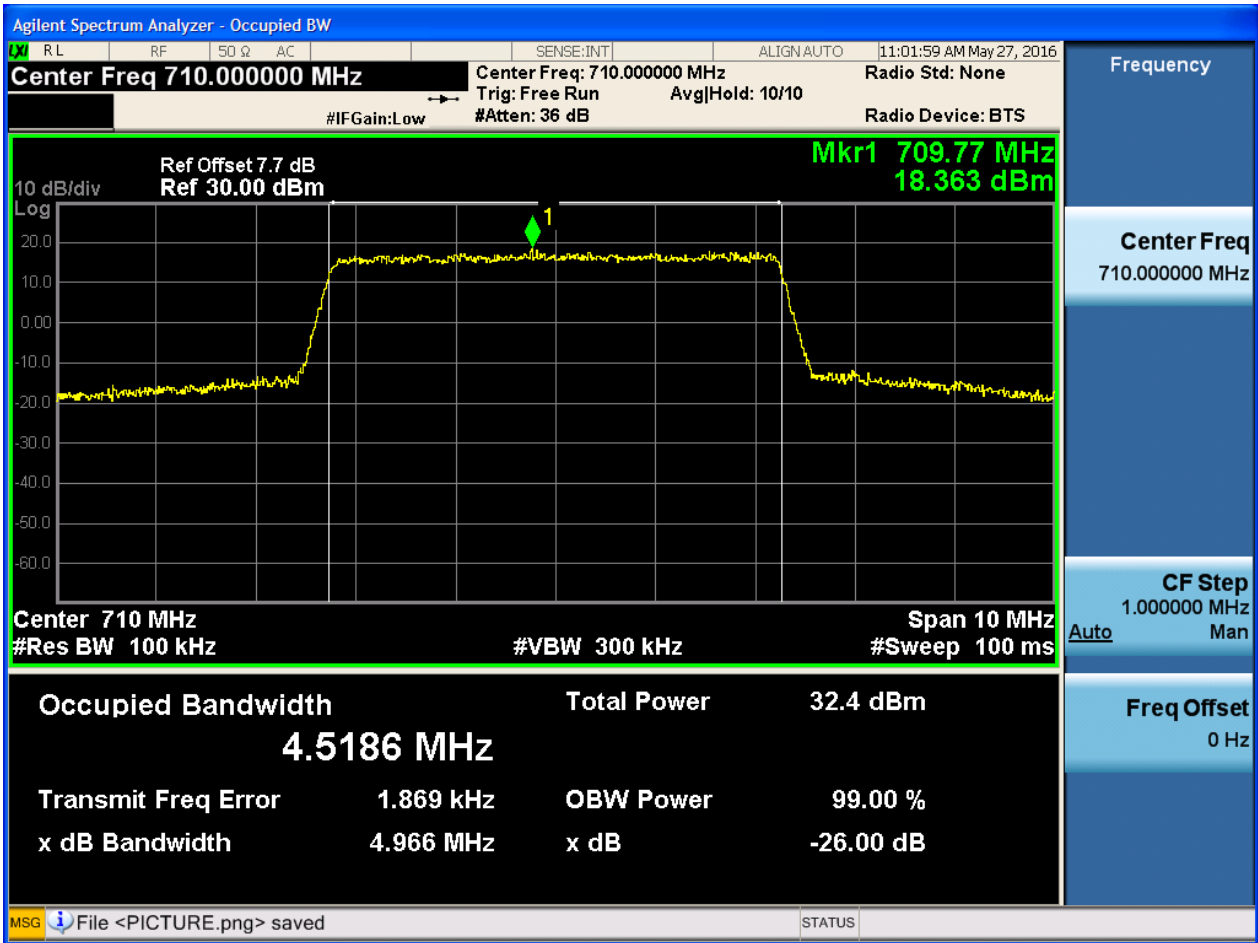
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

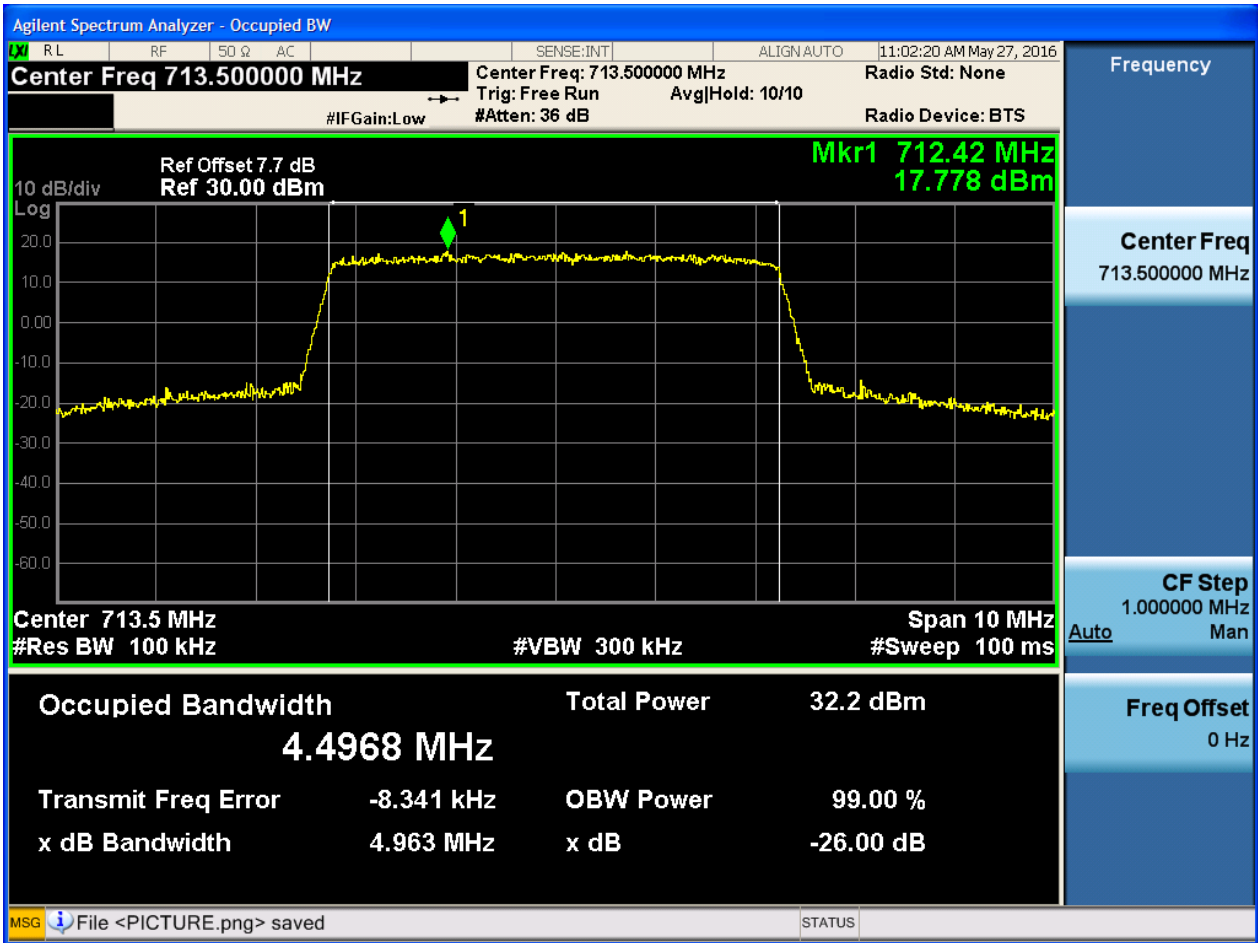
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

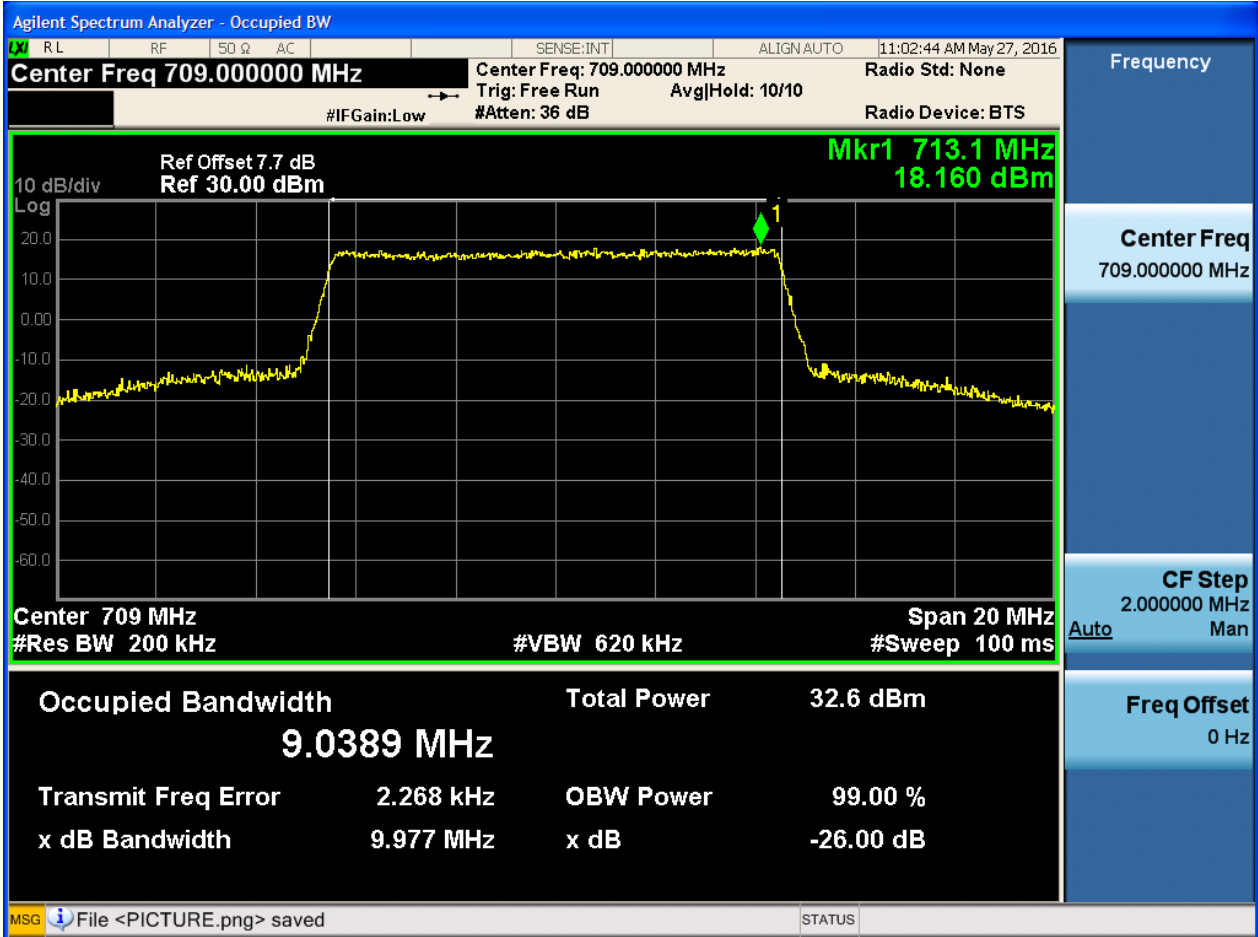




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

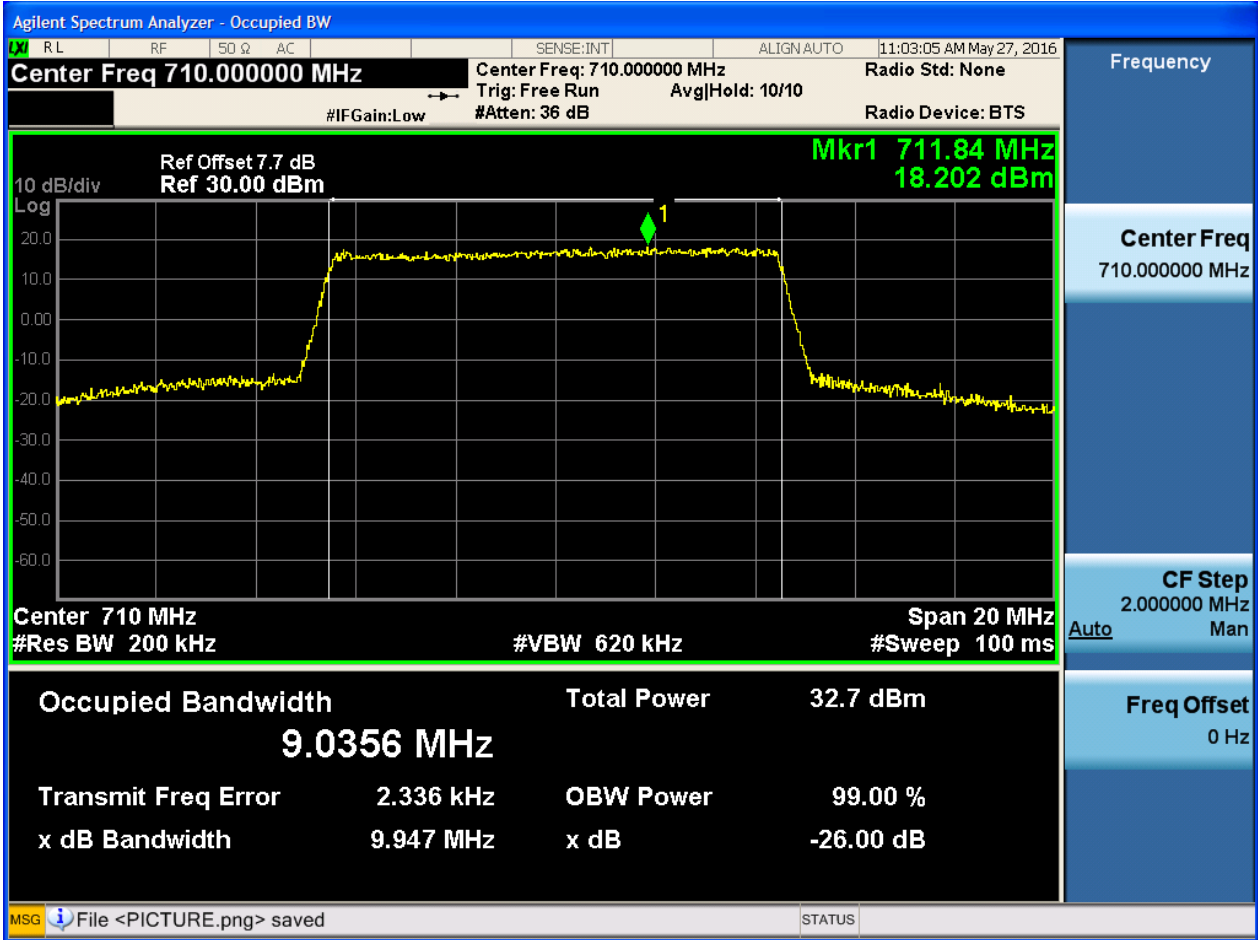
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

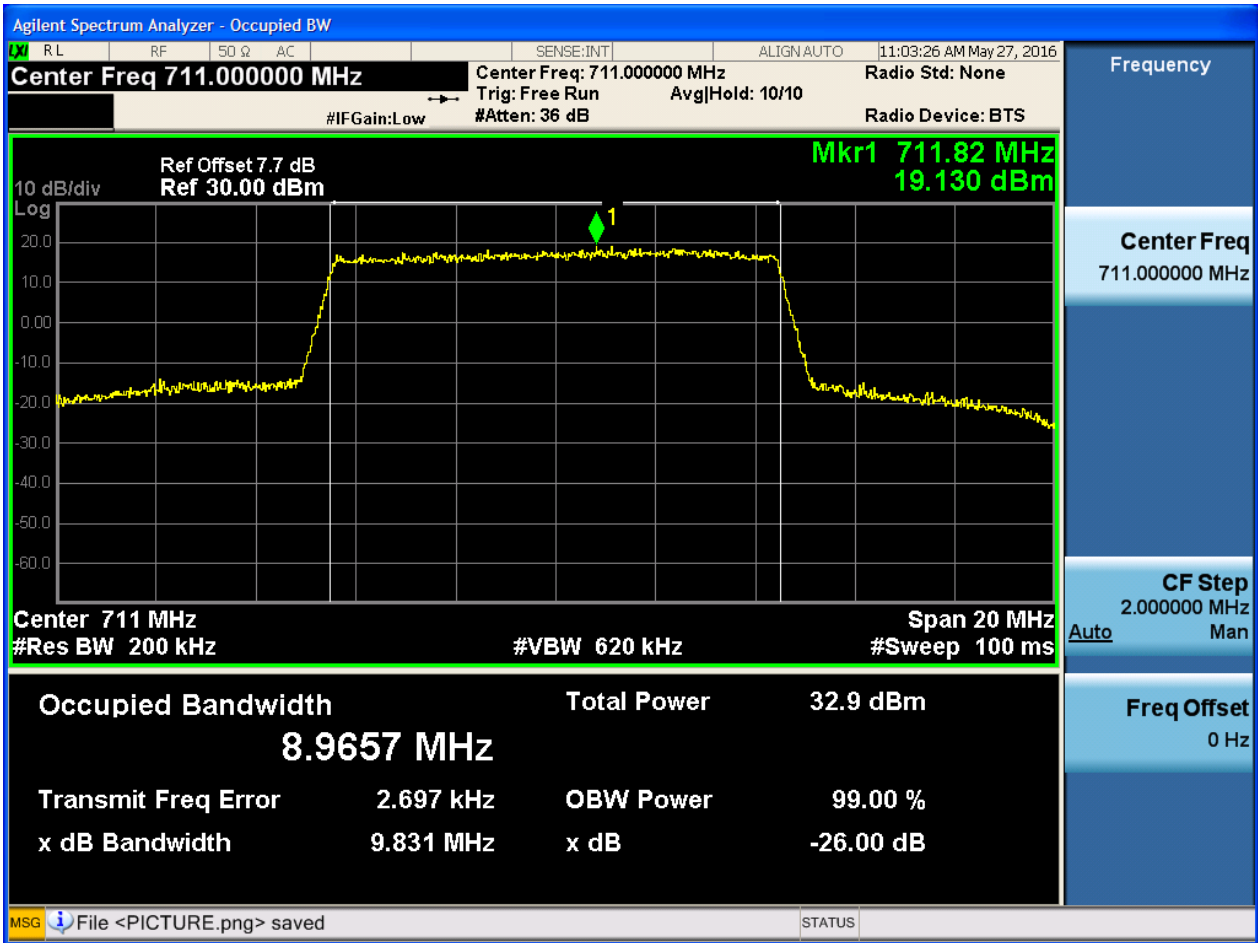
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



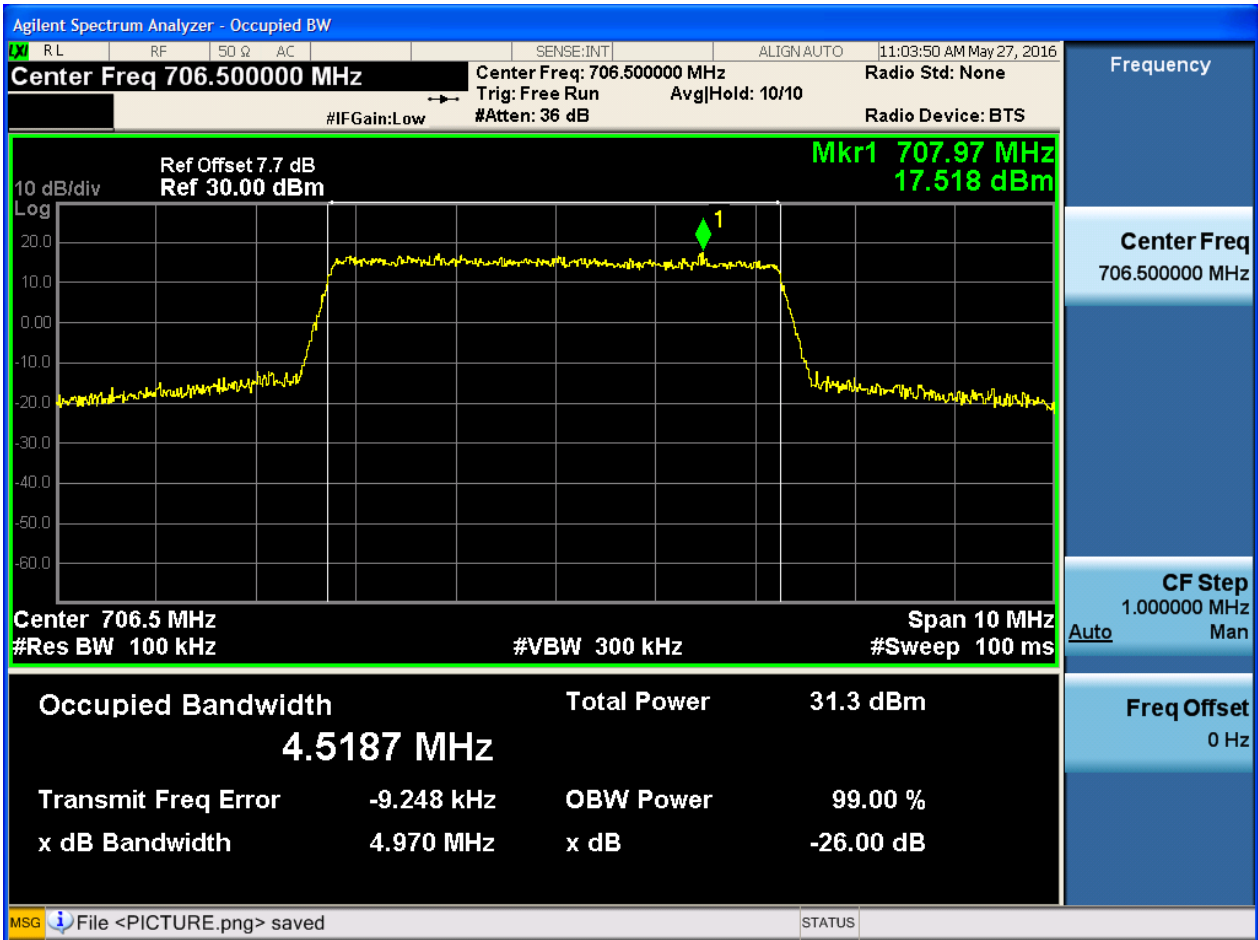


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

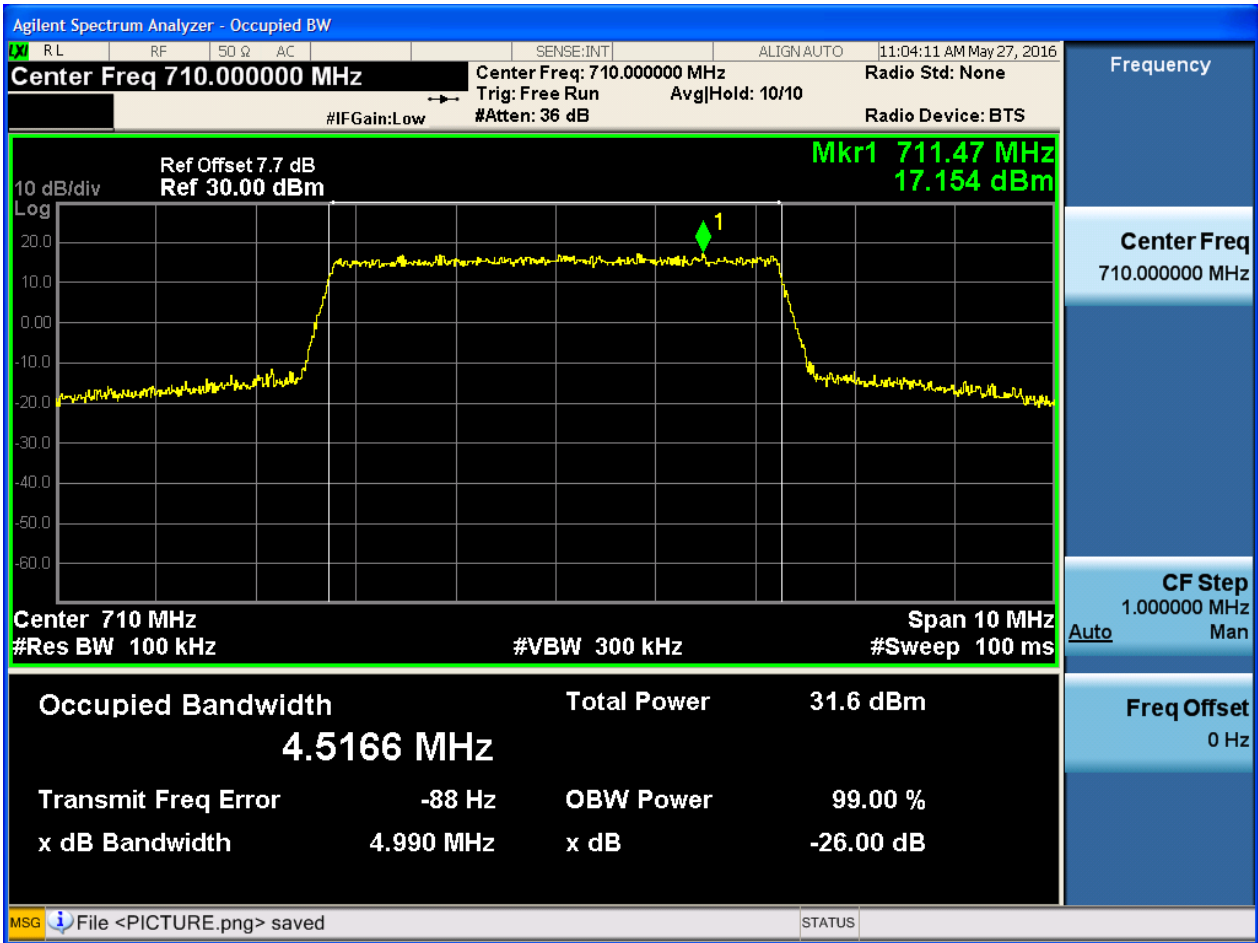
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

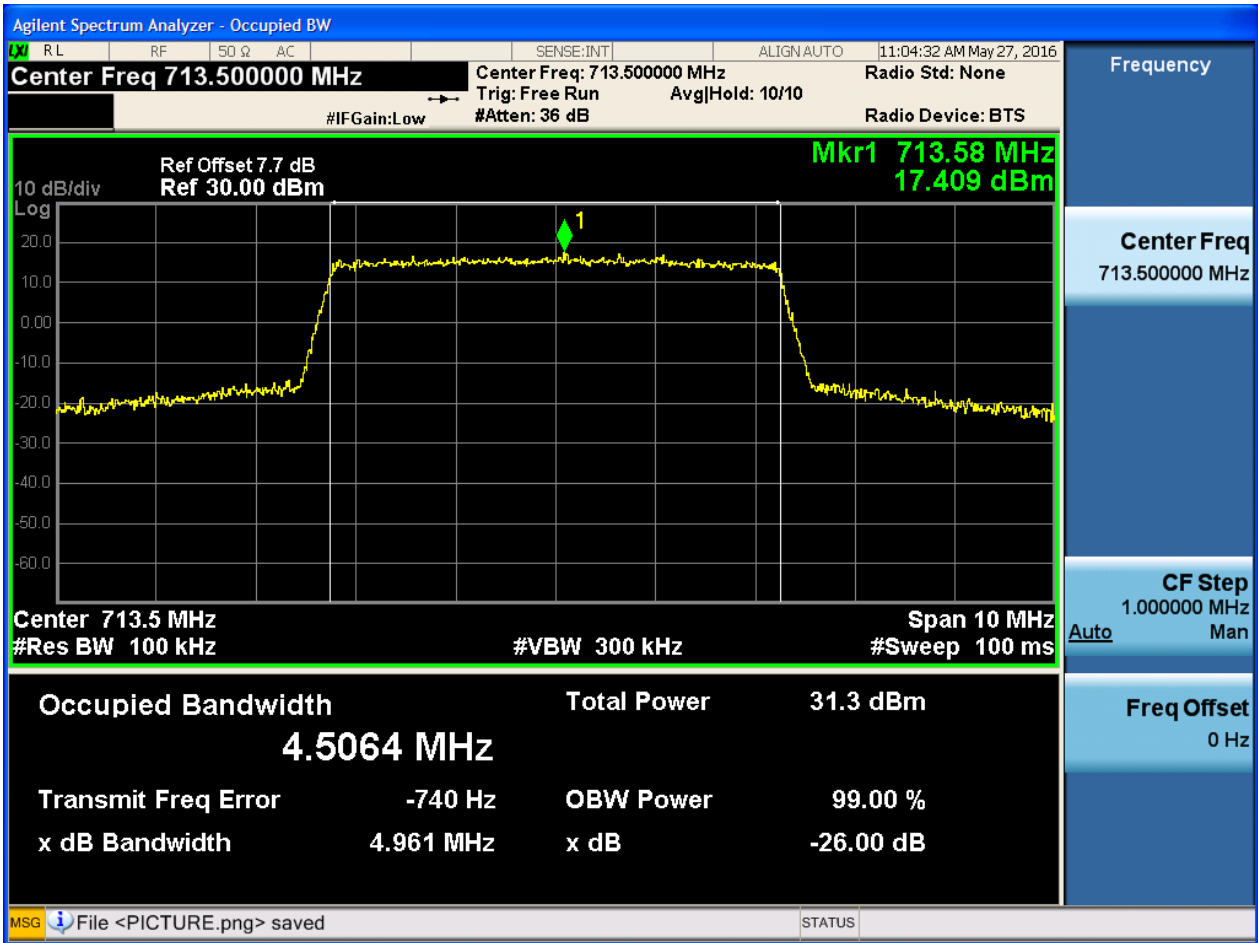
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

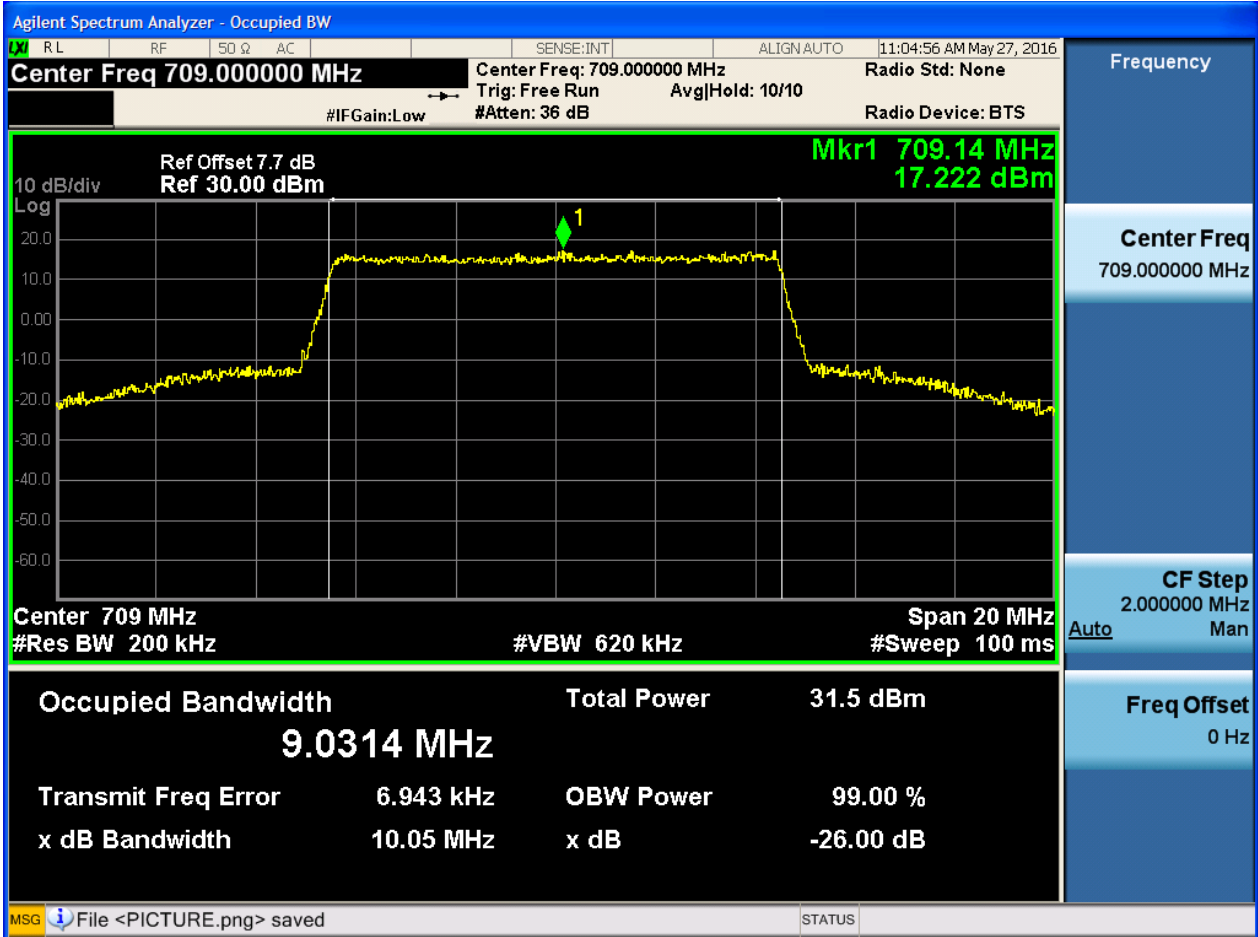




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

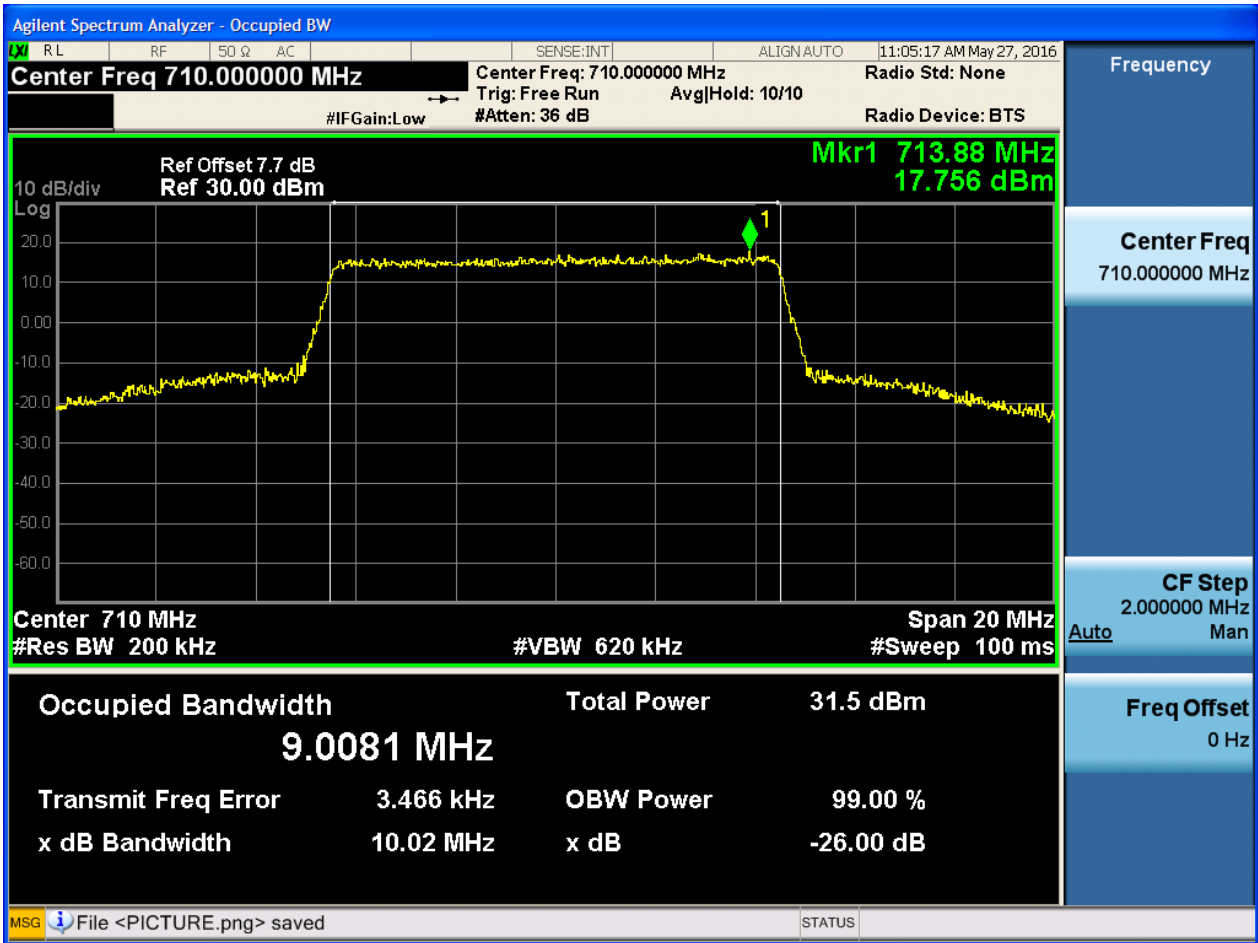
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

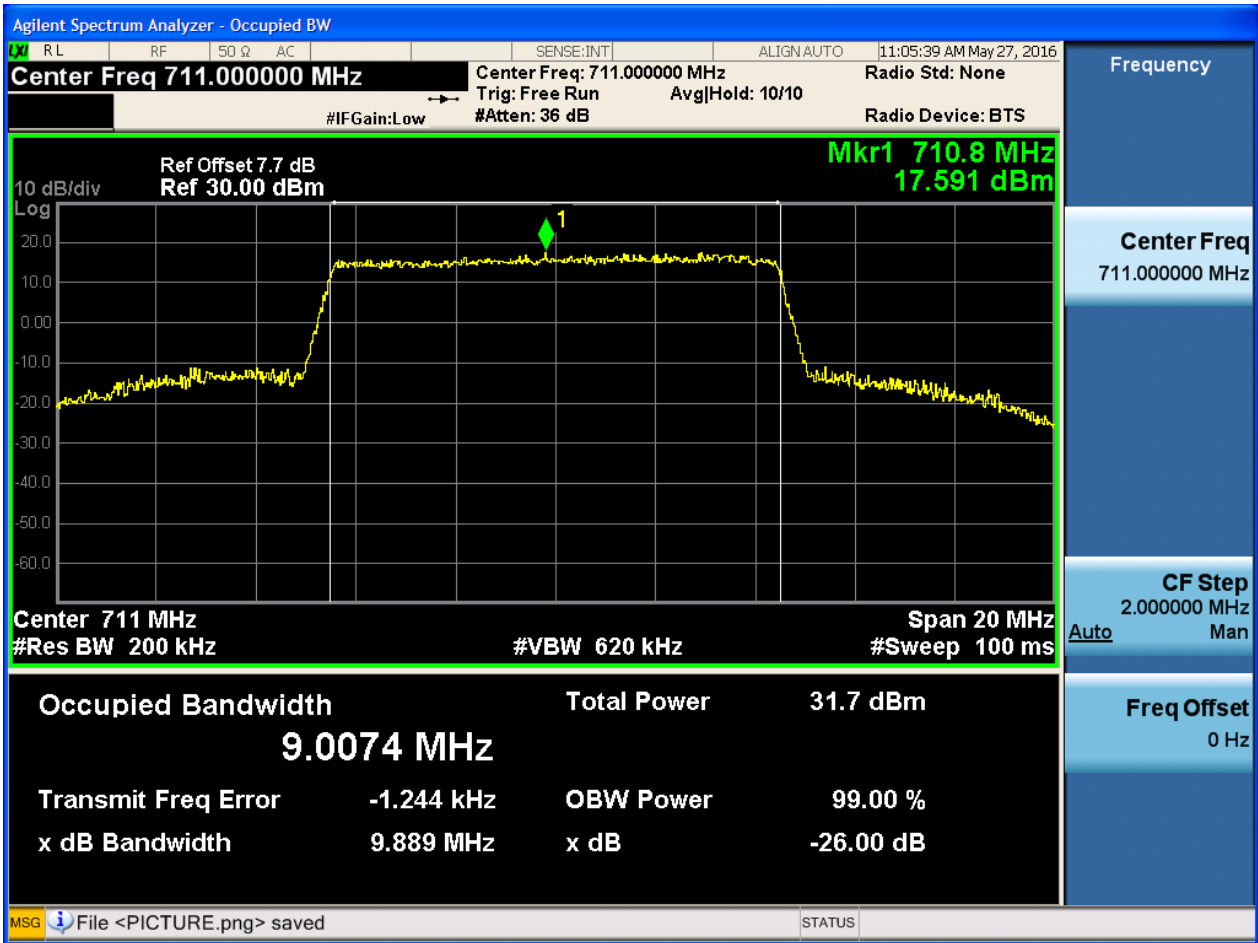
4.1.1.2.2.2.1 Test RB = RB50#0





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

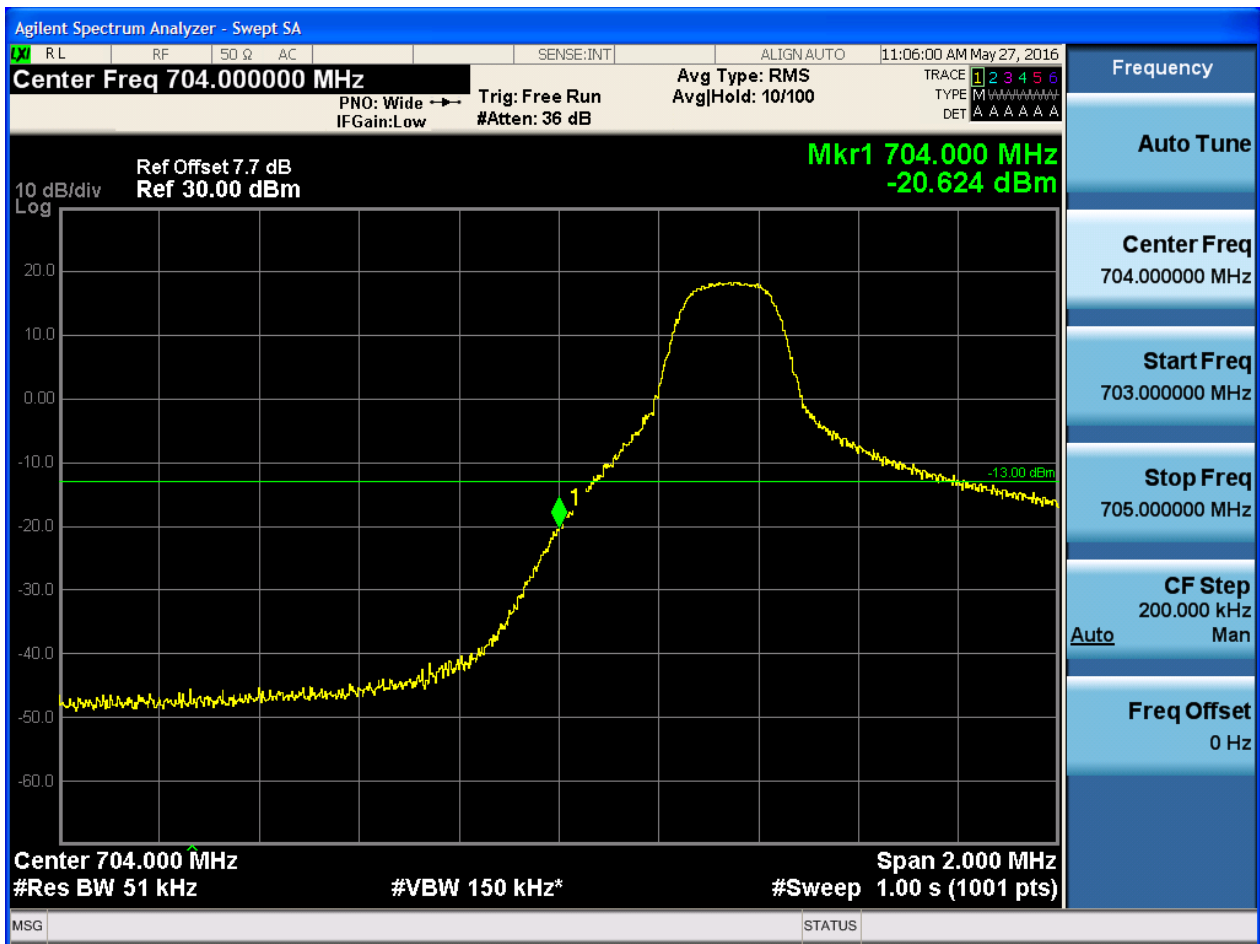
5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

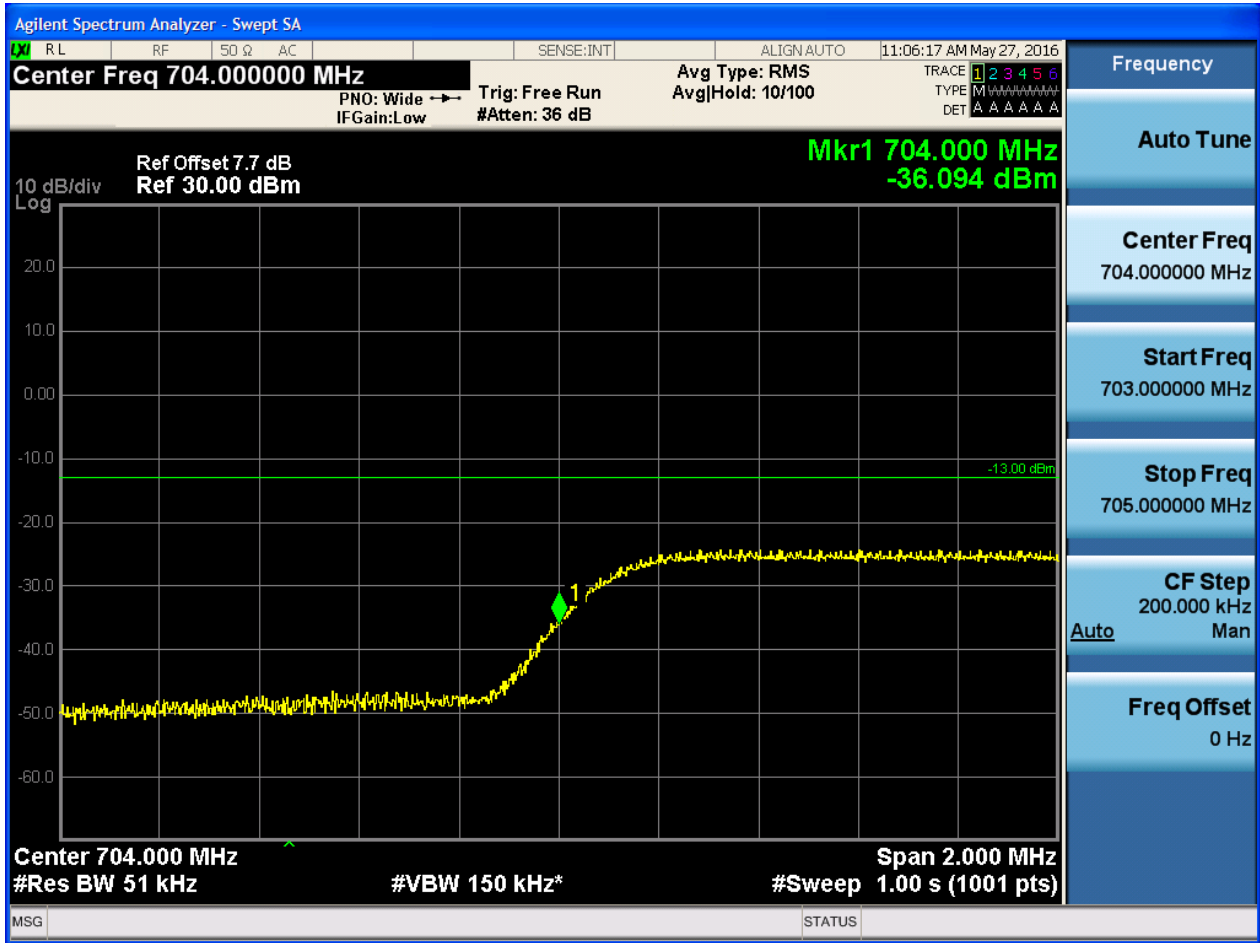
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



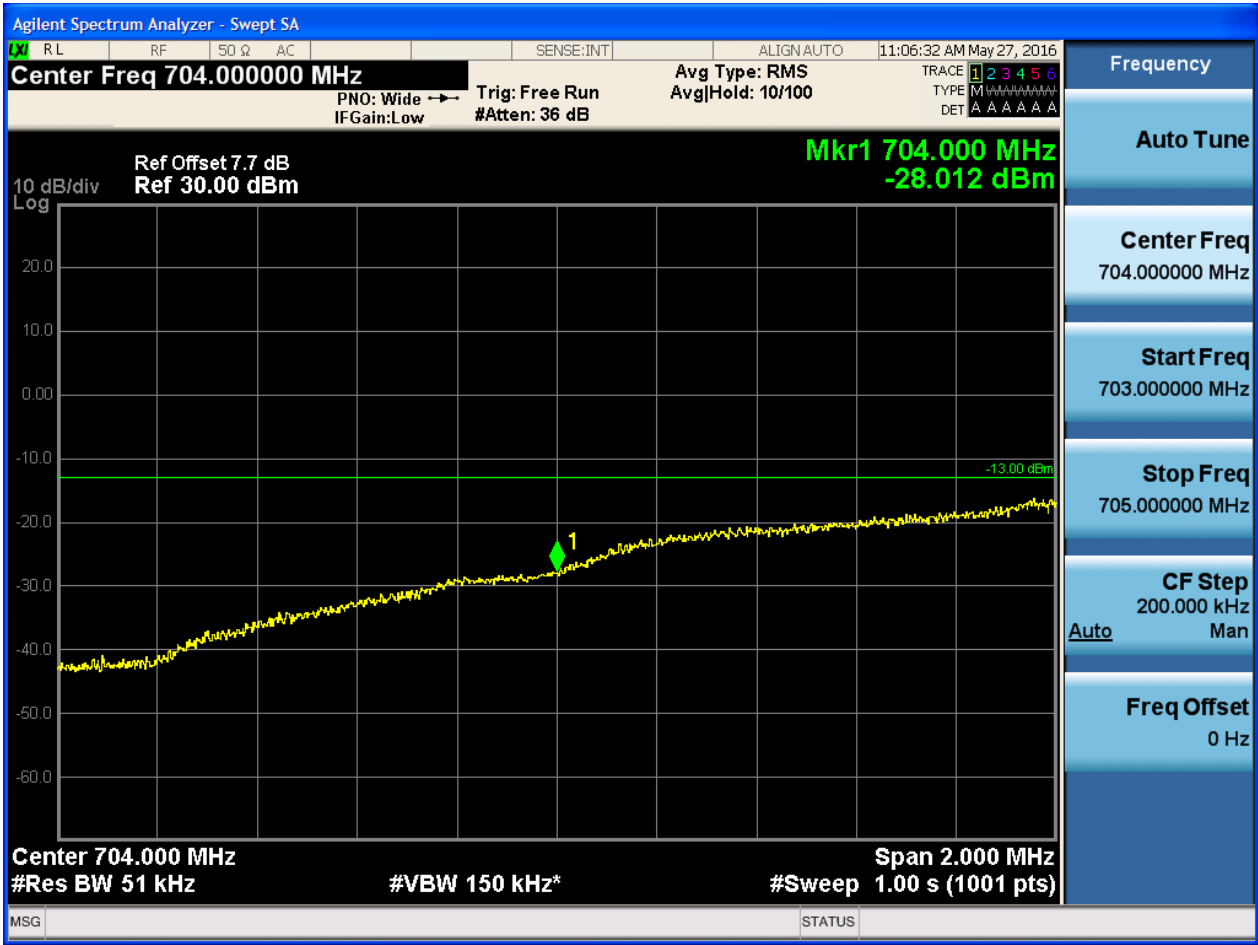


5.1.1.1.1.2 Test RB = RB1#24





5.1.1.1.1.3 Test RB = RB12#6





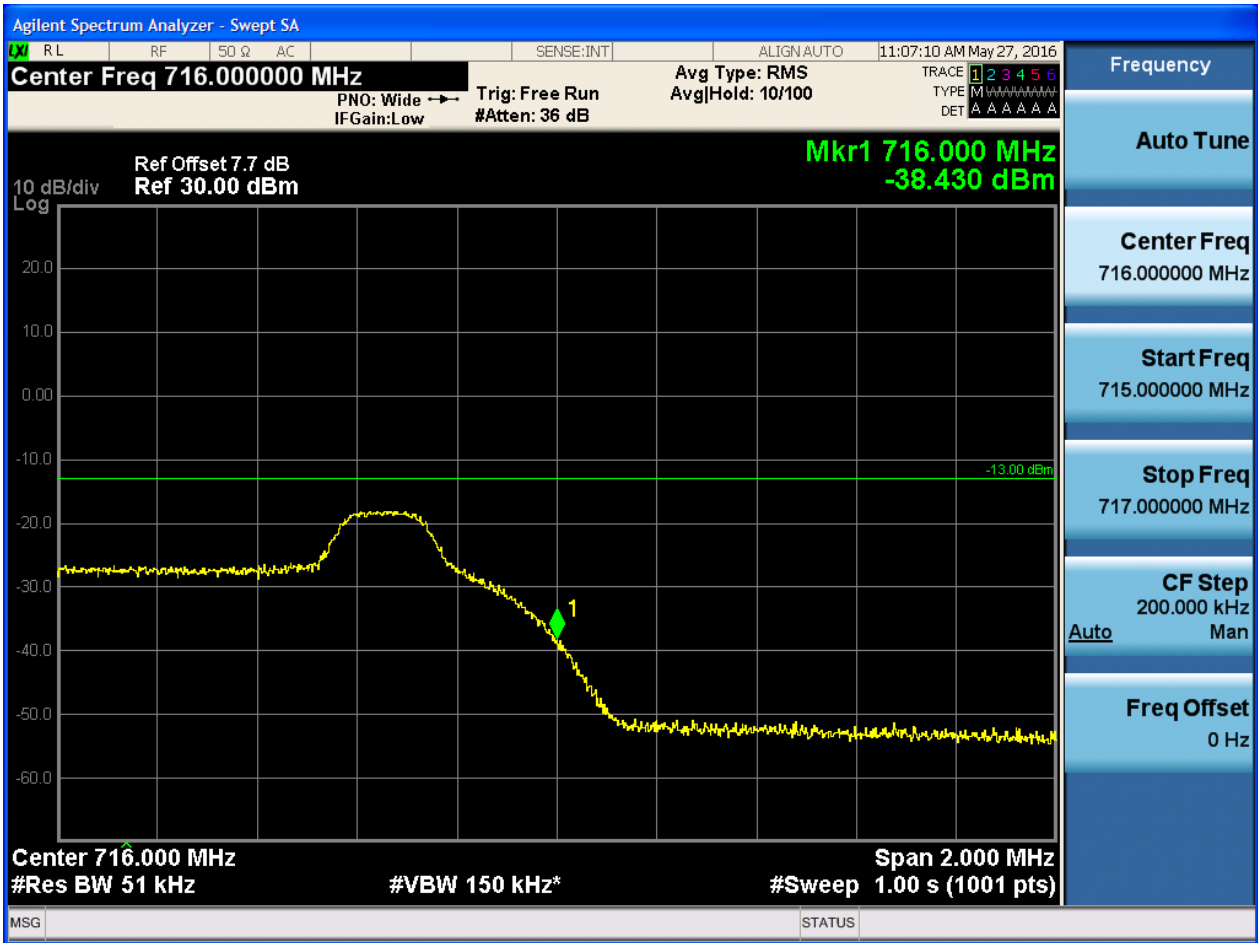
5.1.1.1.1.4 Test RB = RB25#0





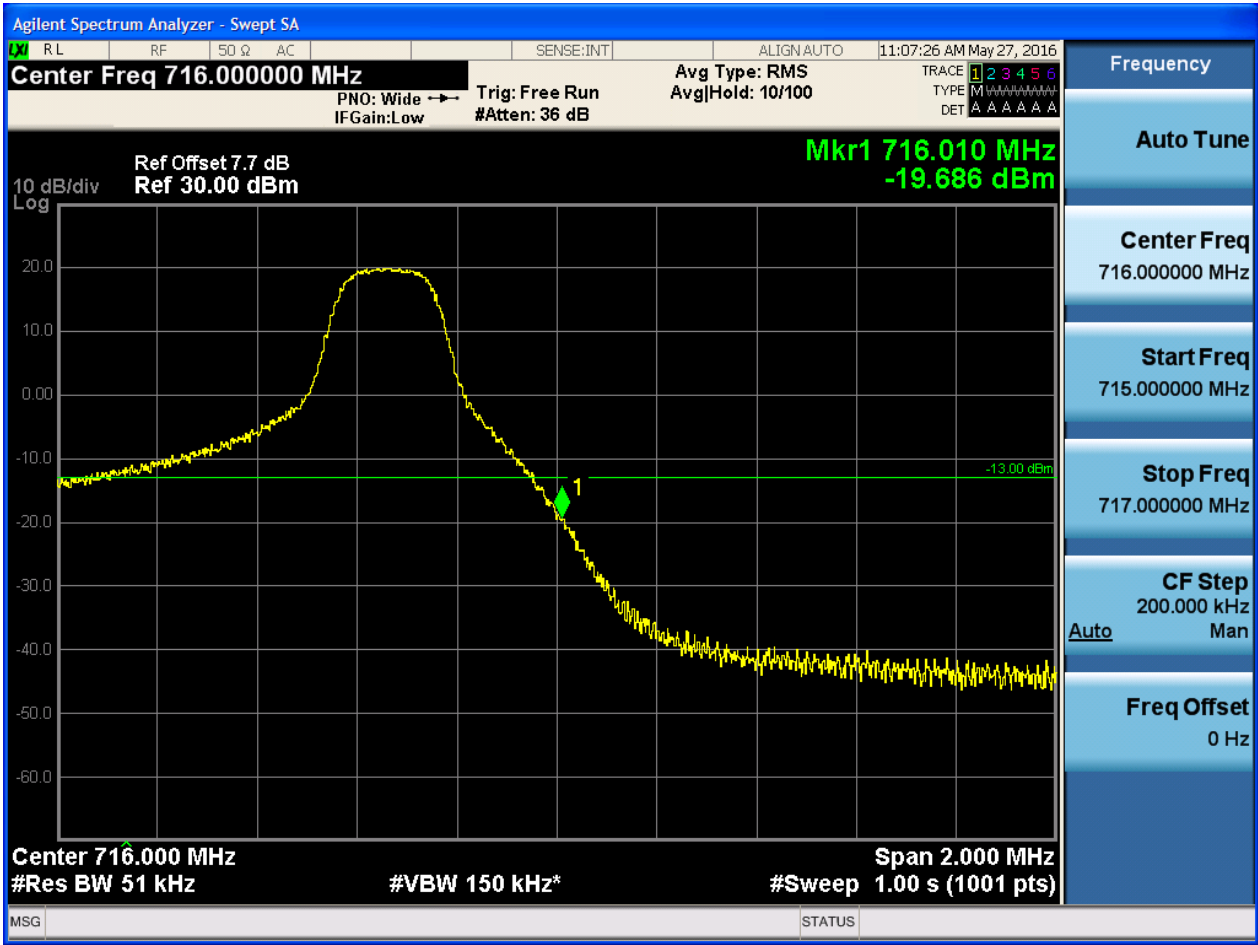
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#24





5.1.1.1.2.3 Test RB = RB12#6





5.1.1.1.2.4 Test RB = RB25#0

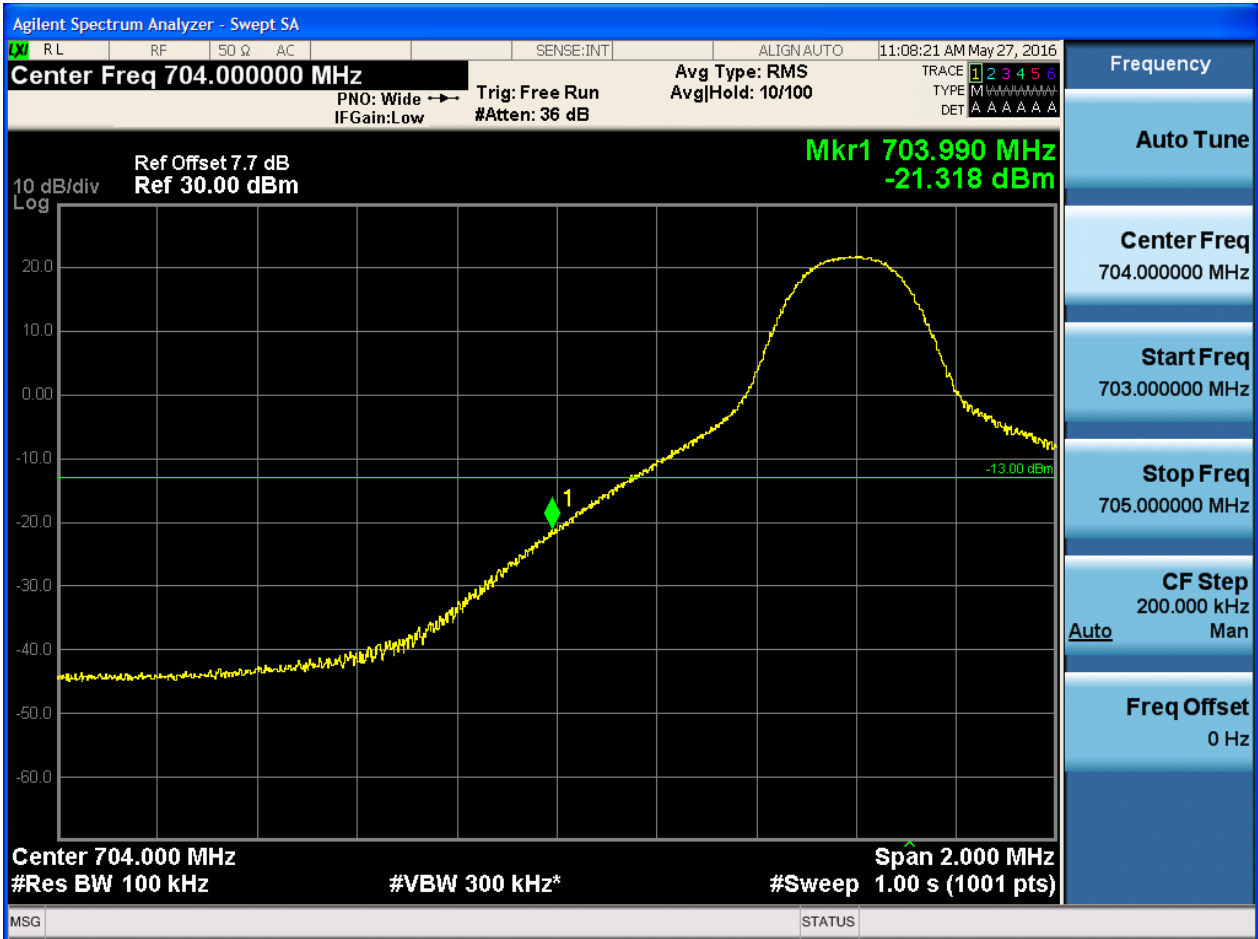




5.1.1.1.2 Test Bandwidth = 10

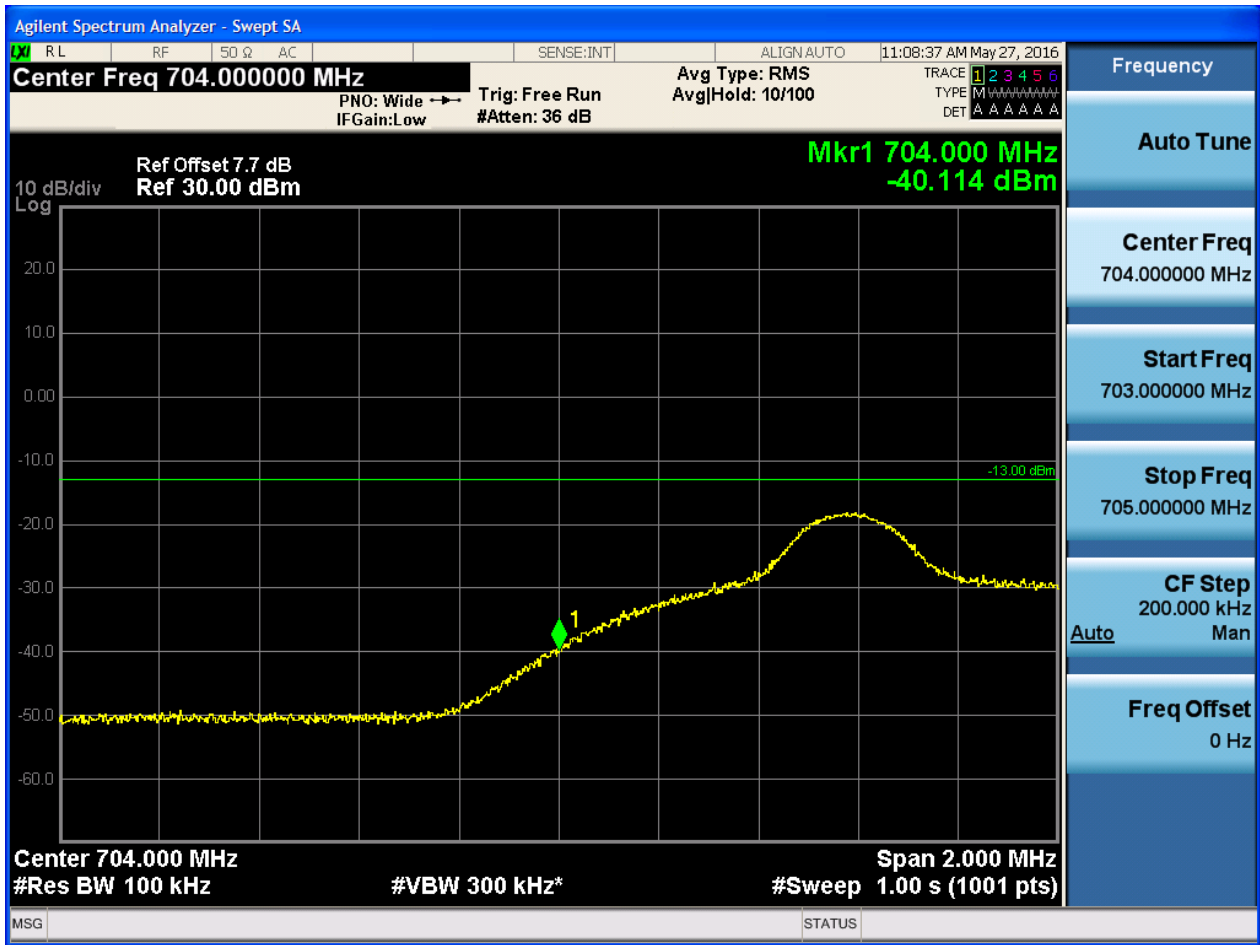
5.1.1.1.2.1 Test Channel = LCH

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





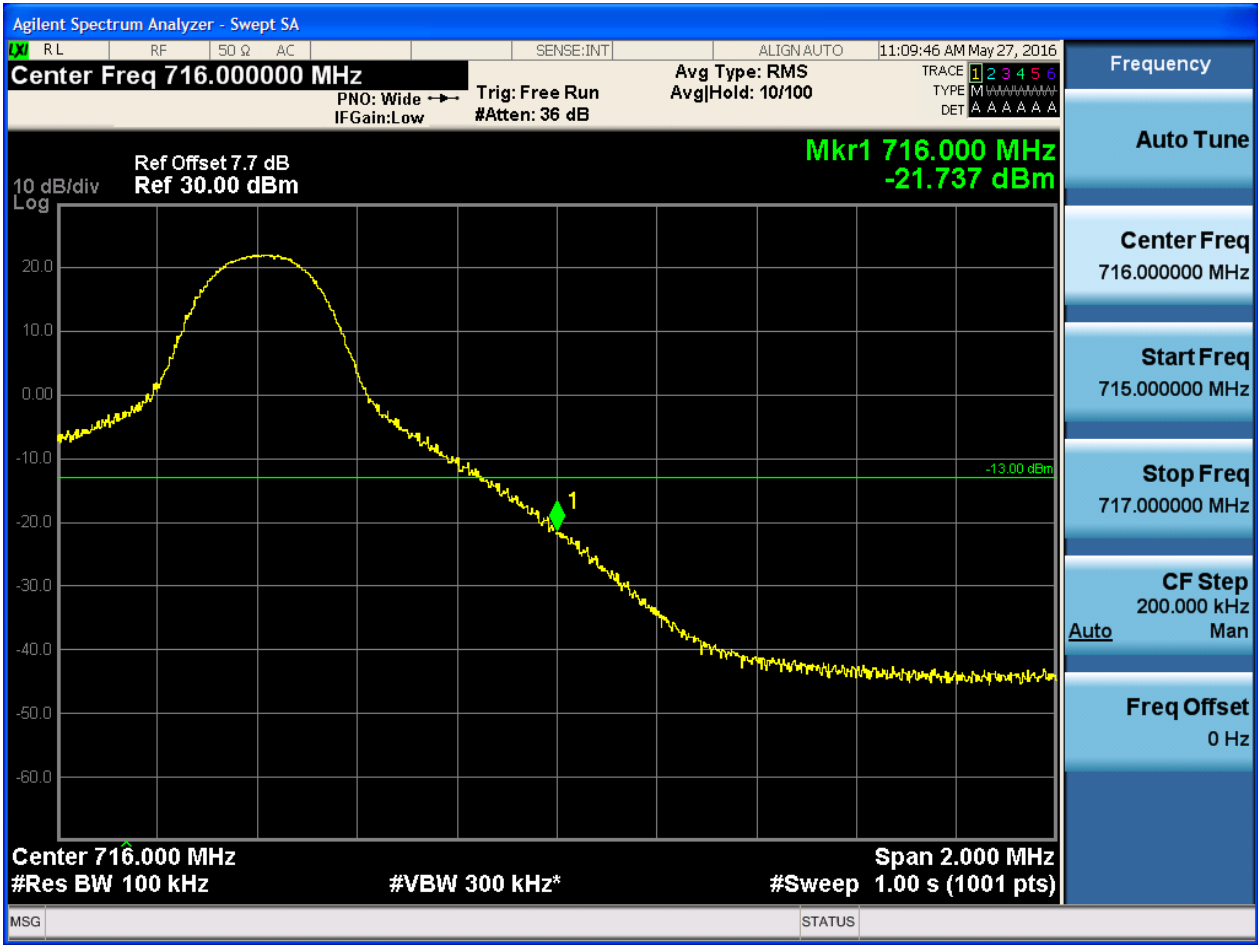
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



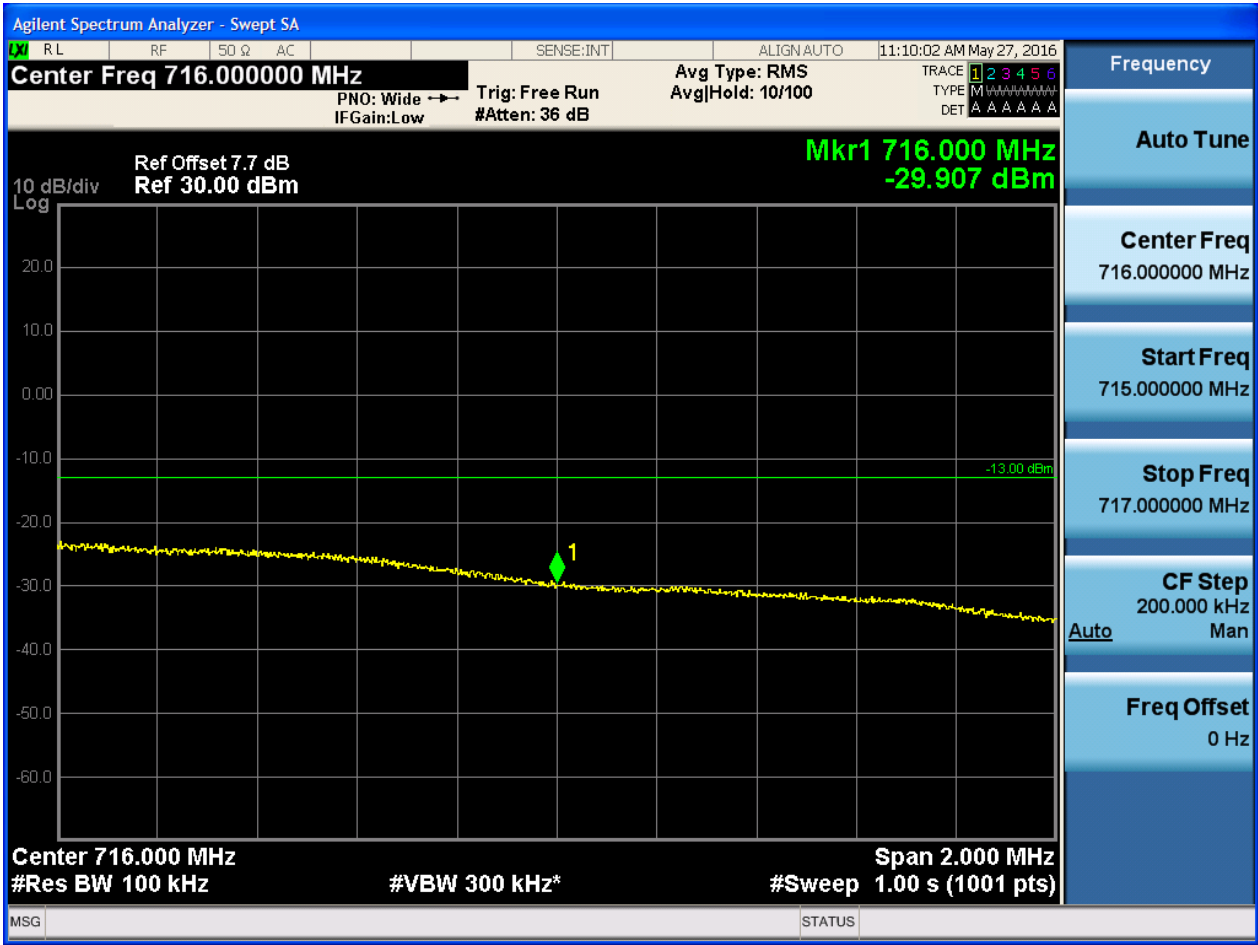


5.1.1.1.2.2.2 Test RB = RB1#49



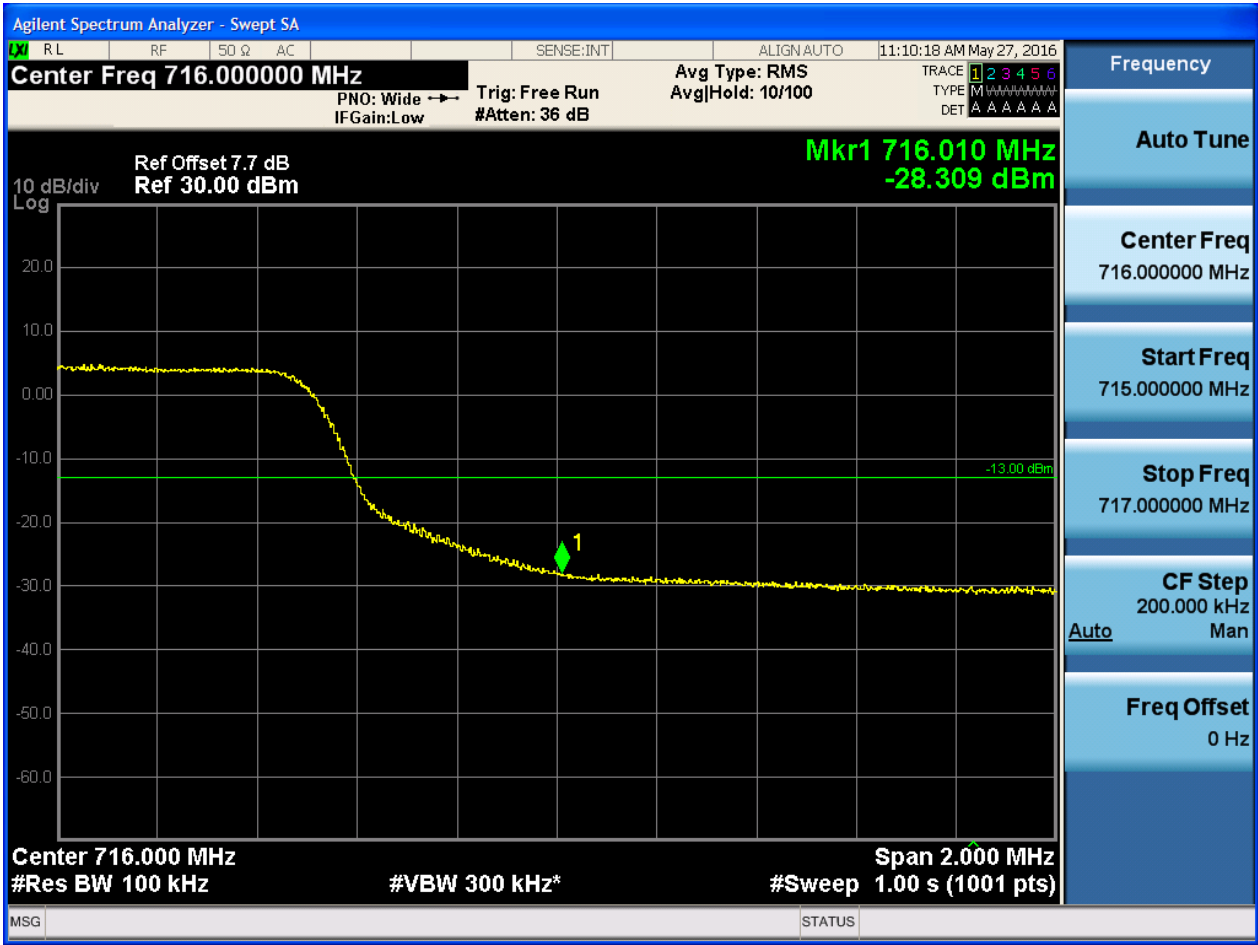


5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0



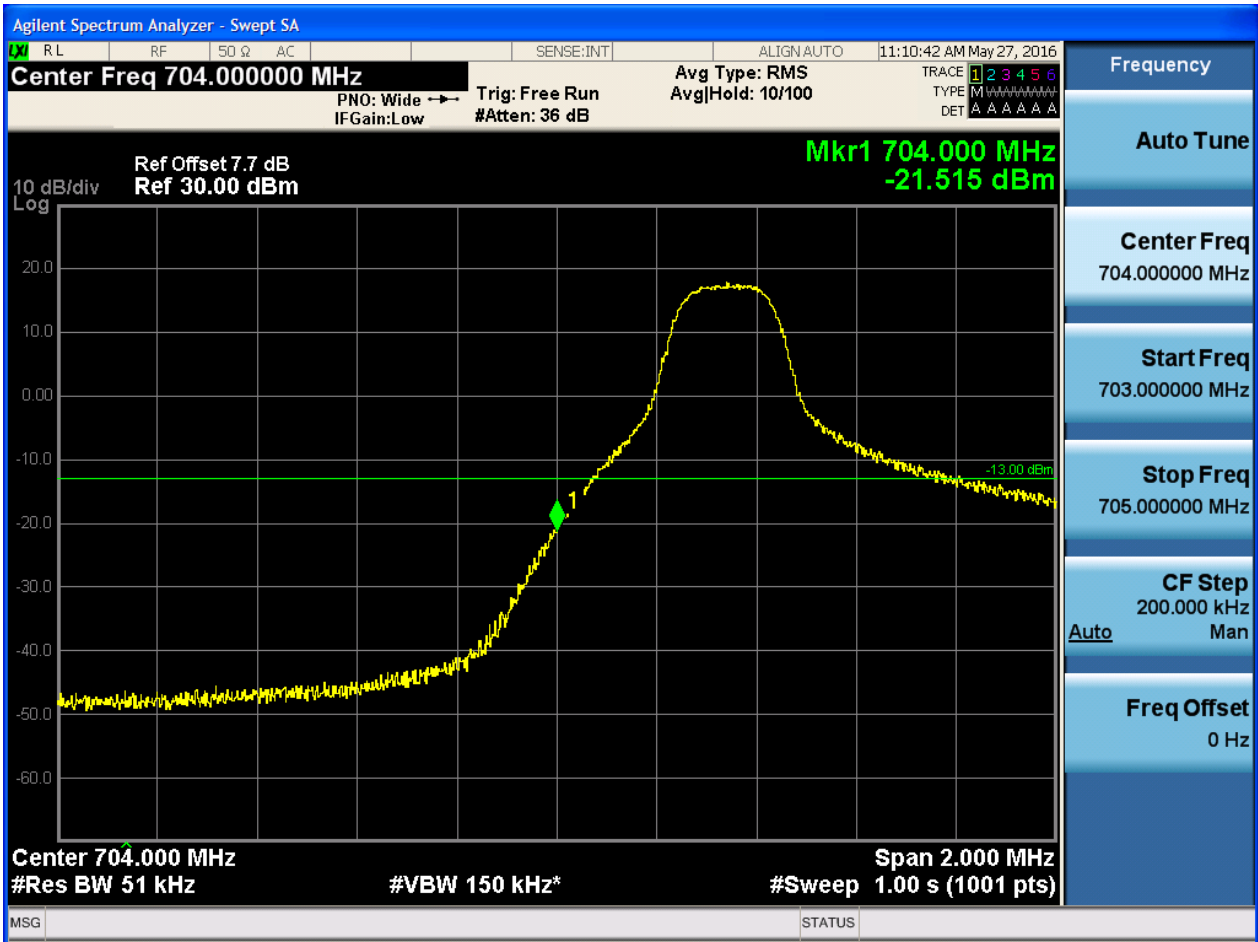


5.1.1.2 Test Mode = LTE/TM2

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



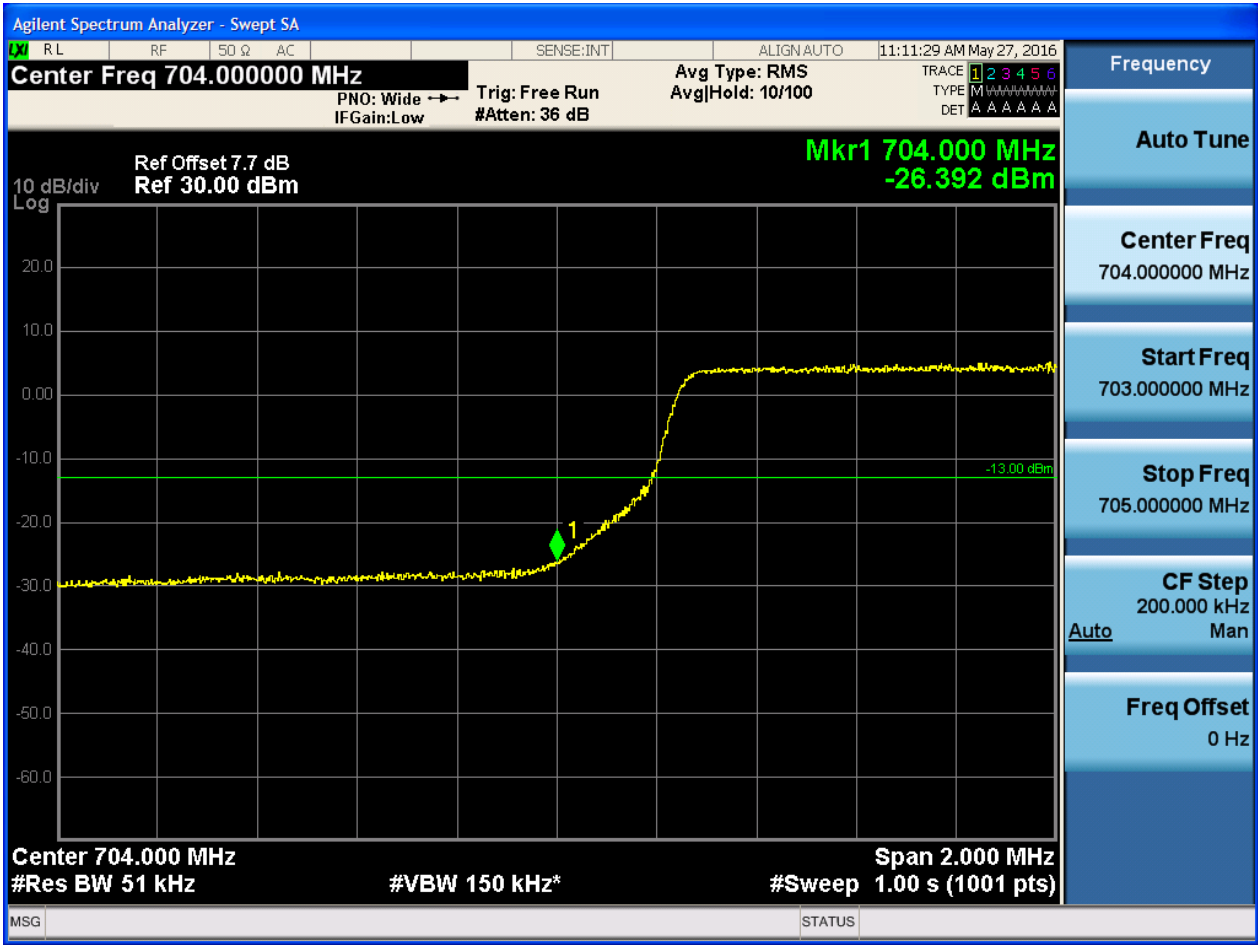


5.1.1.2.1.1.3 Test RB = RB12#6





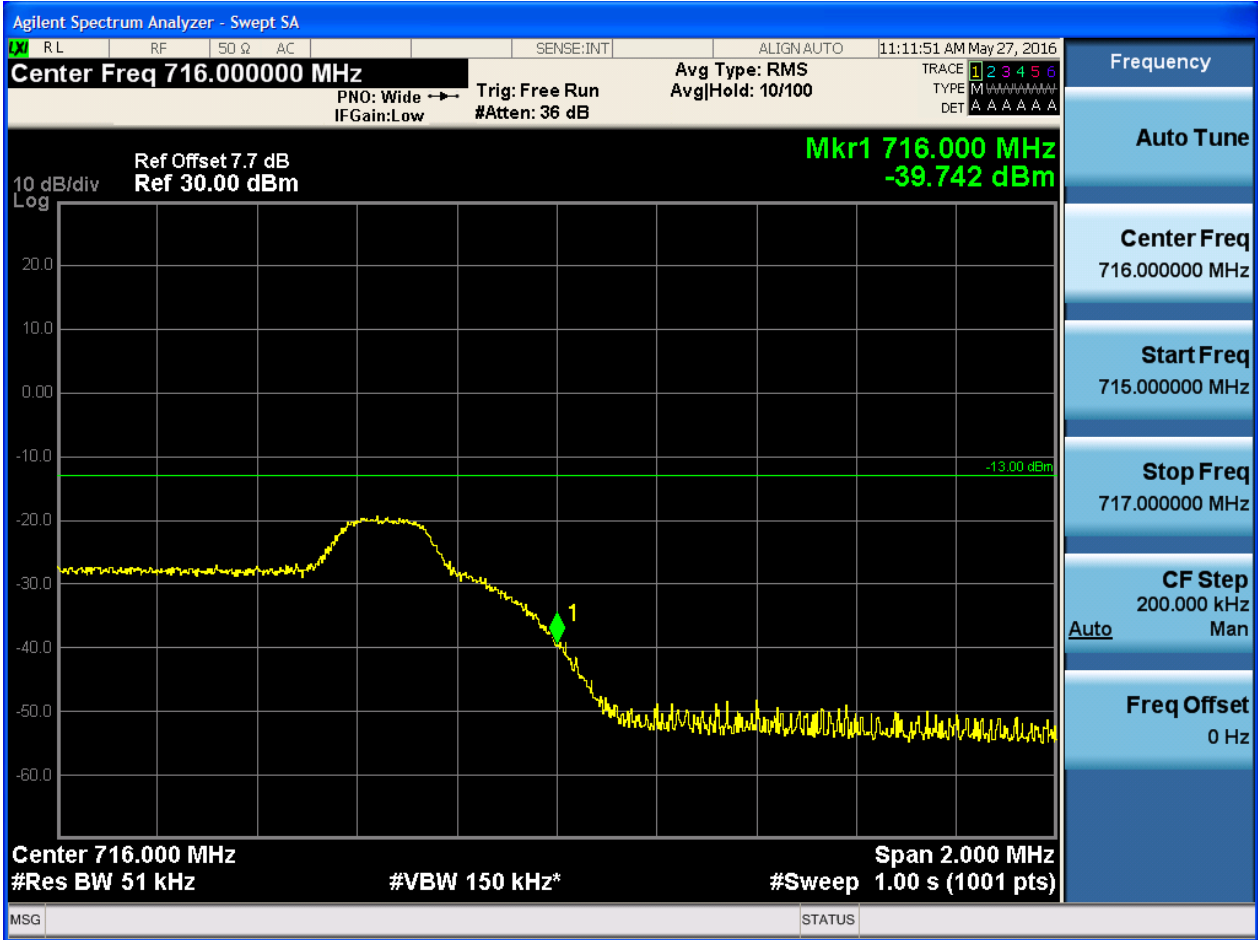
5.1.1.2.1.1.4 Test RB = RB25#0





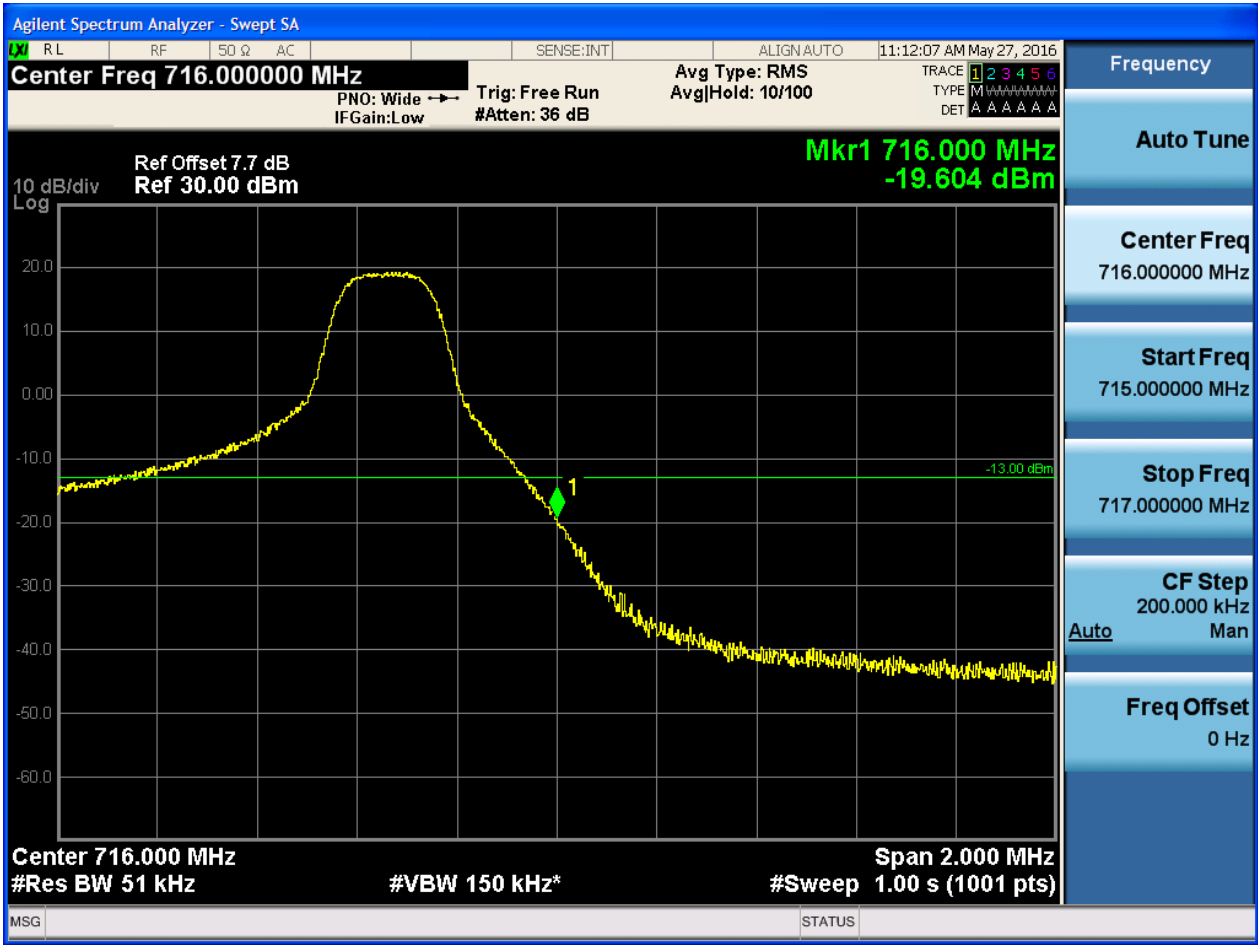
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



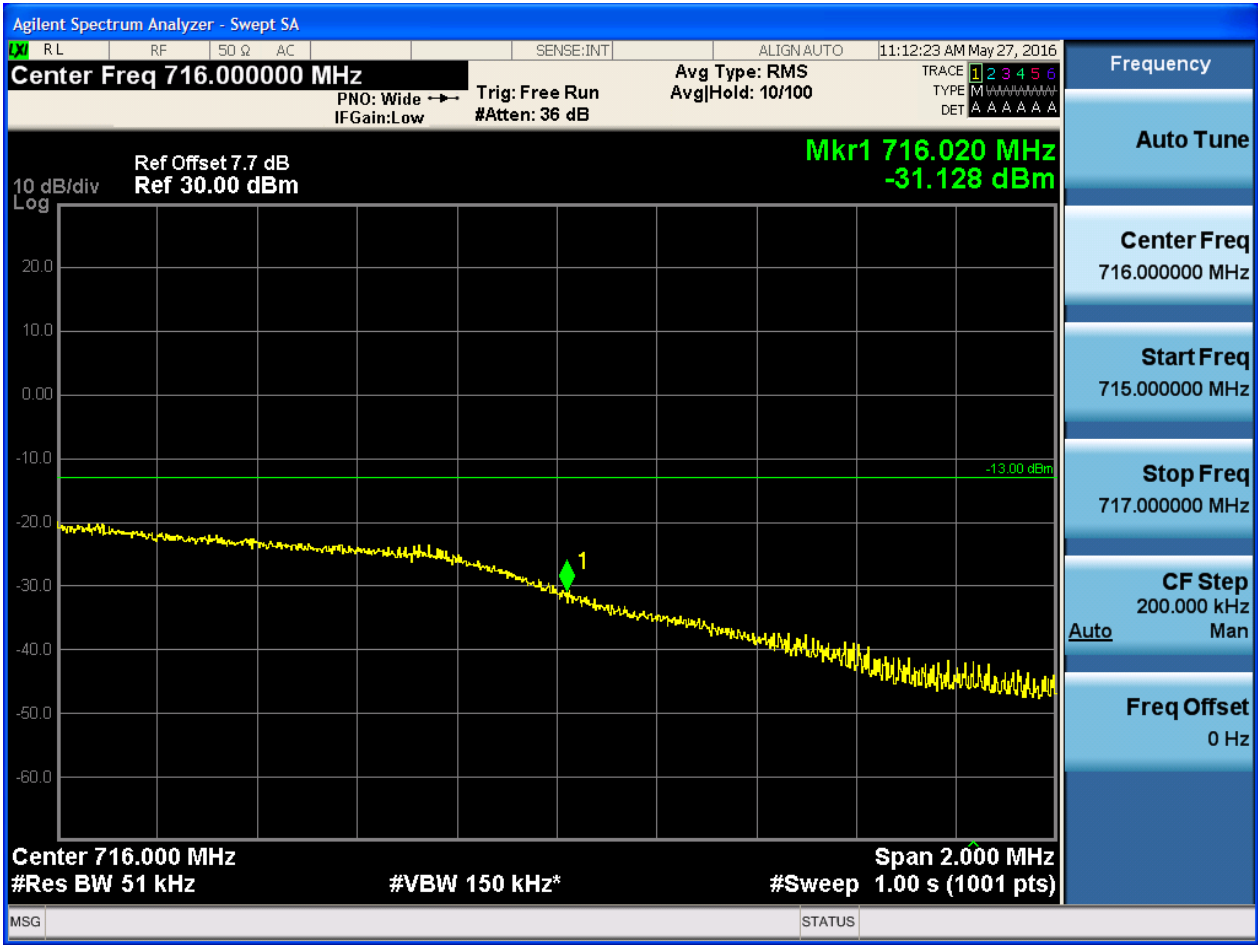


5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

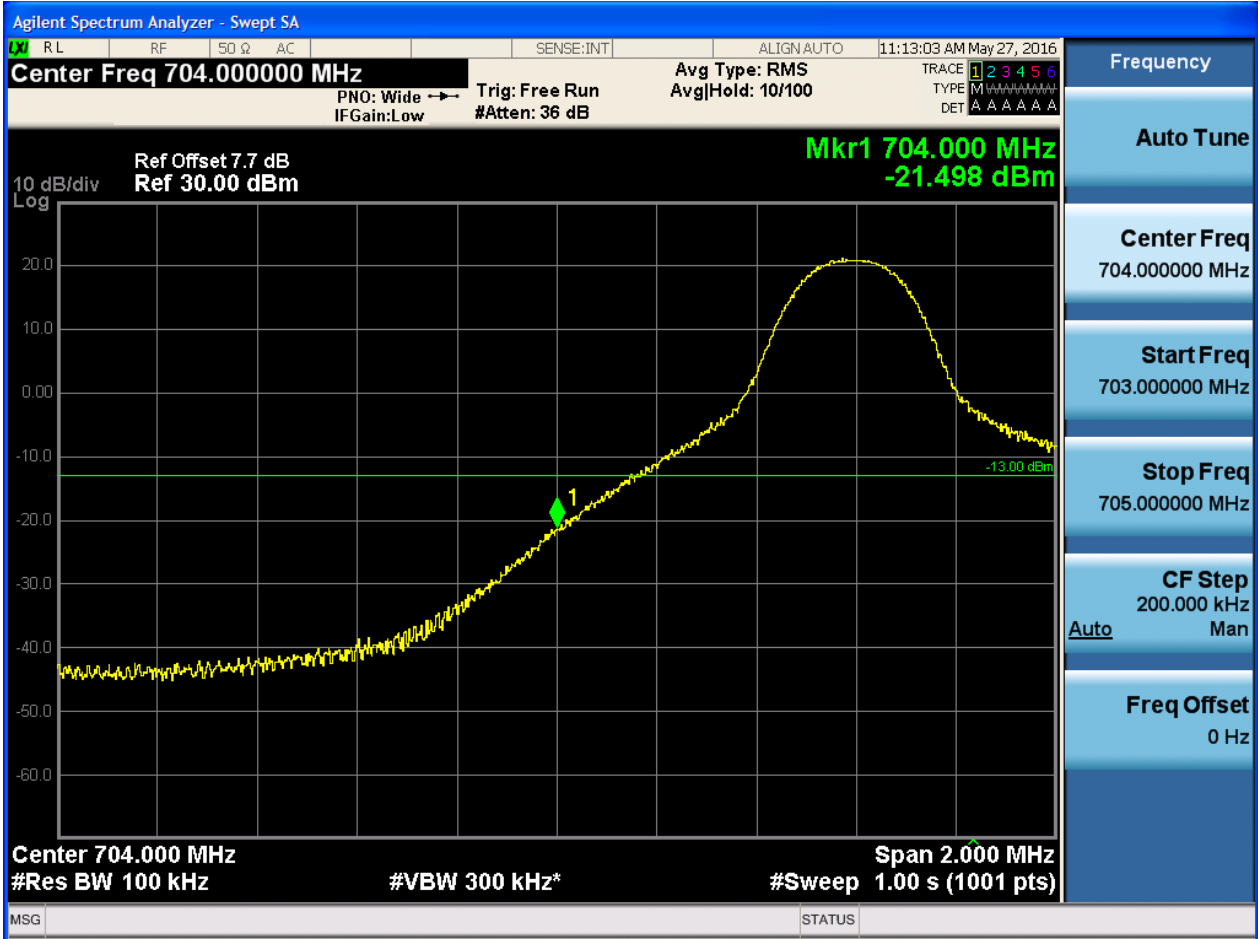




5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



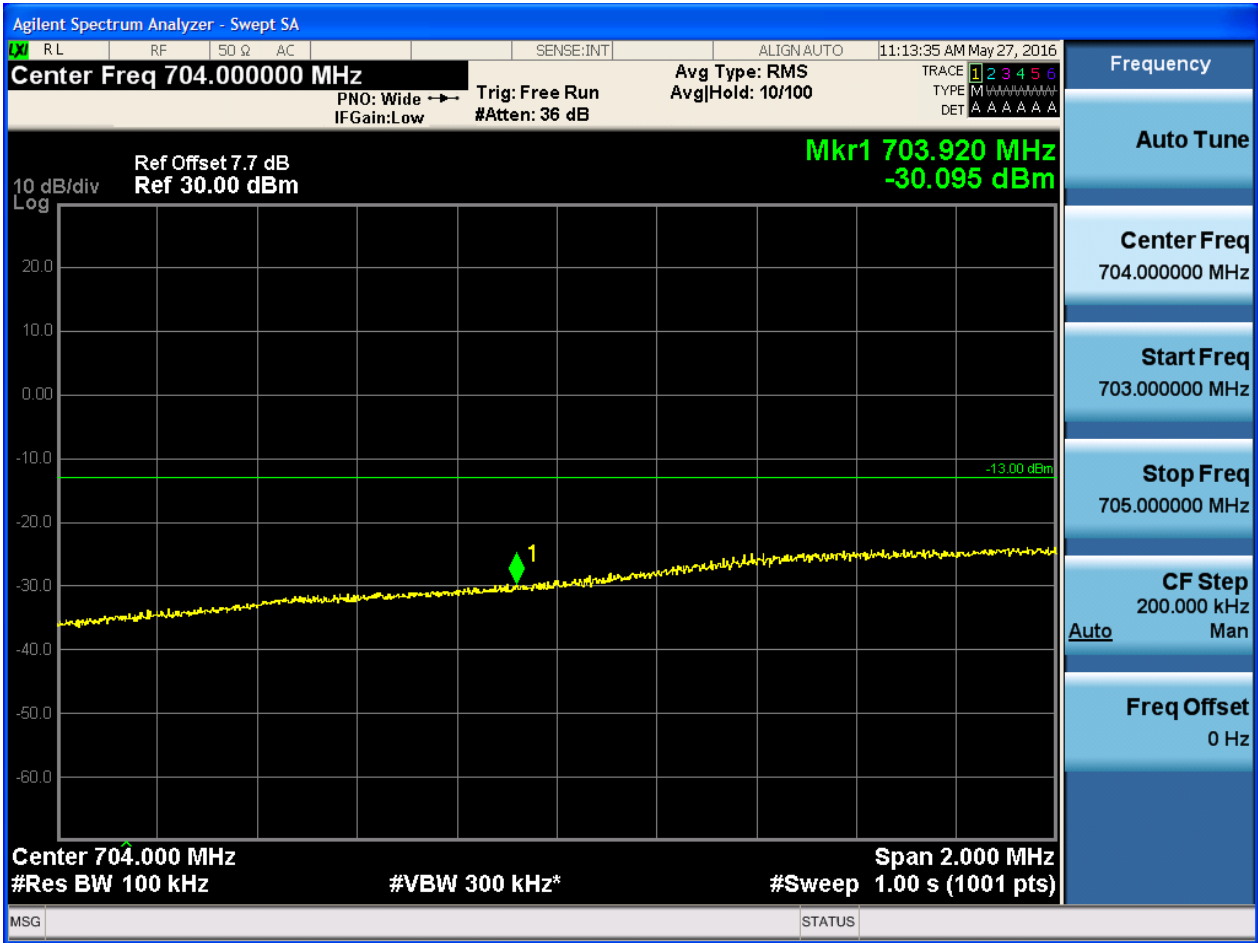


5.1.1.2.2.1.2 Test RB = RB1#49





5.1.1.2.2.1.3 Test RB = RB25#13





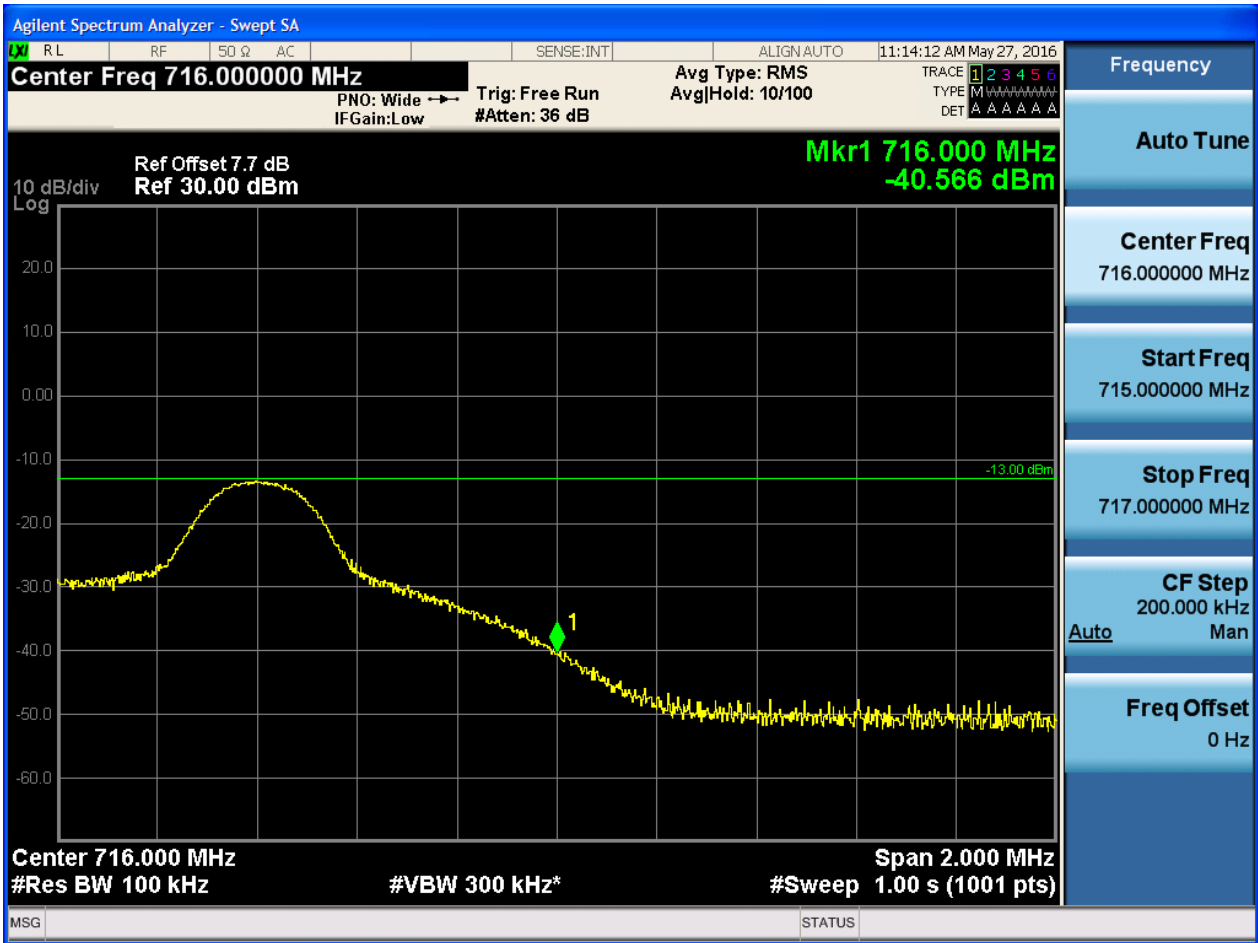
5.1.1.2.2.1.4 Test RB = RB50#0





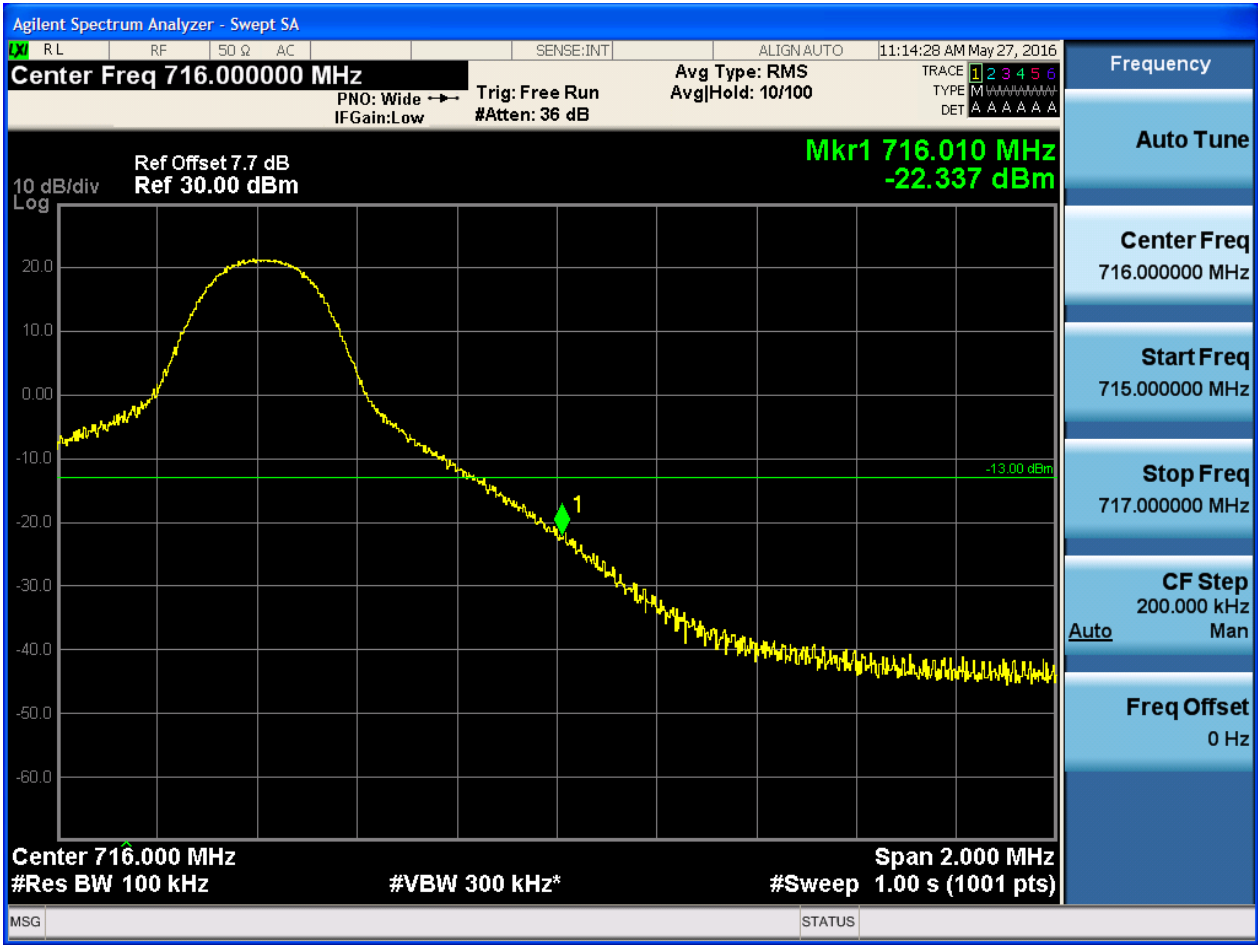
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



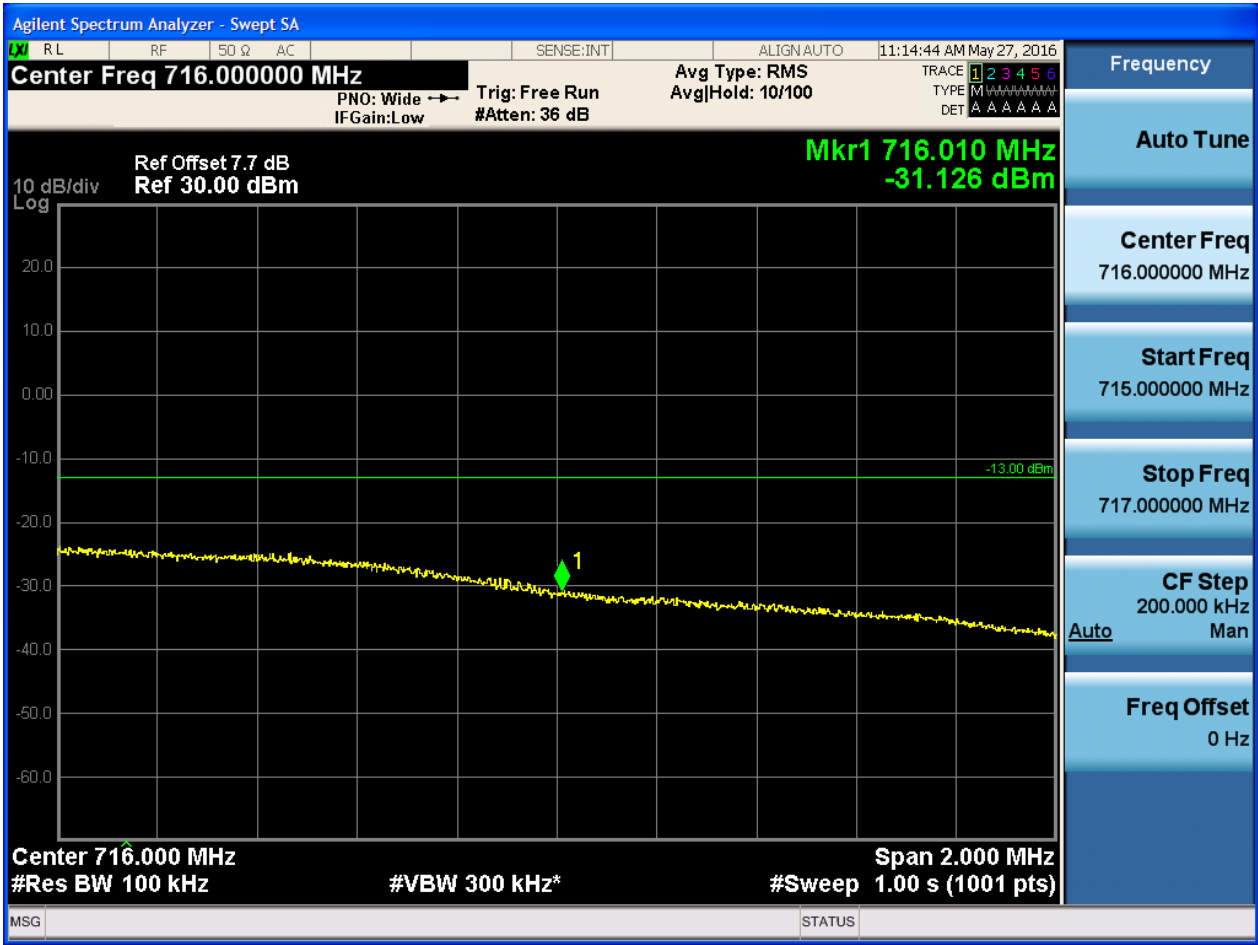


5.1.1.2.2.2 Test RB = RB1#49



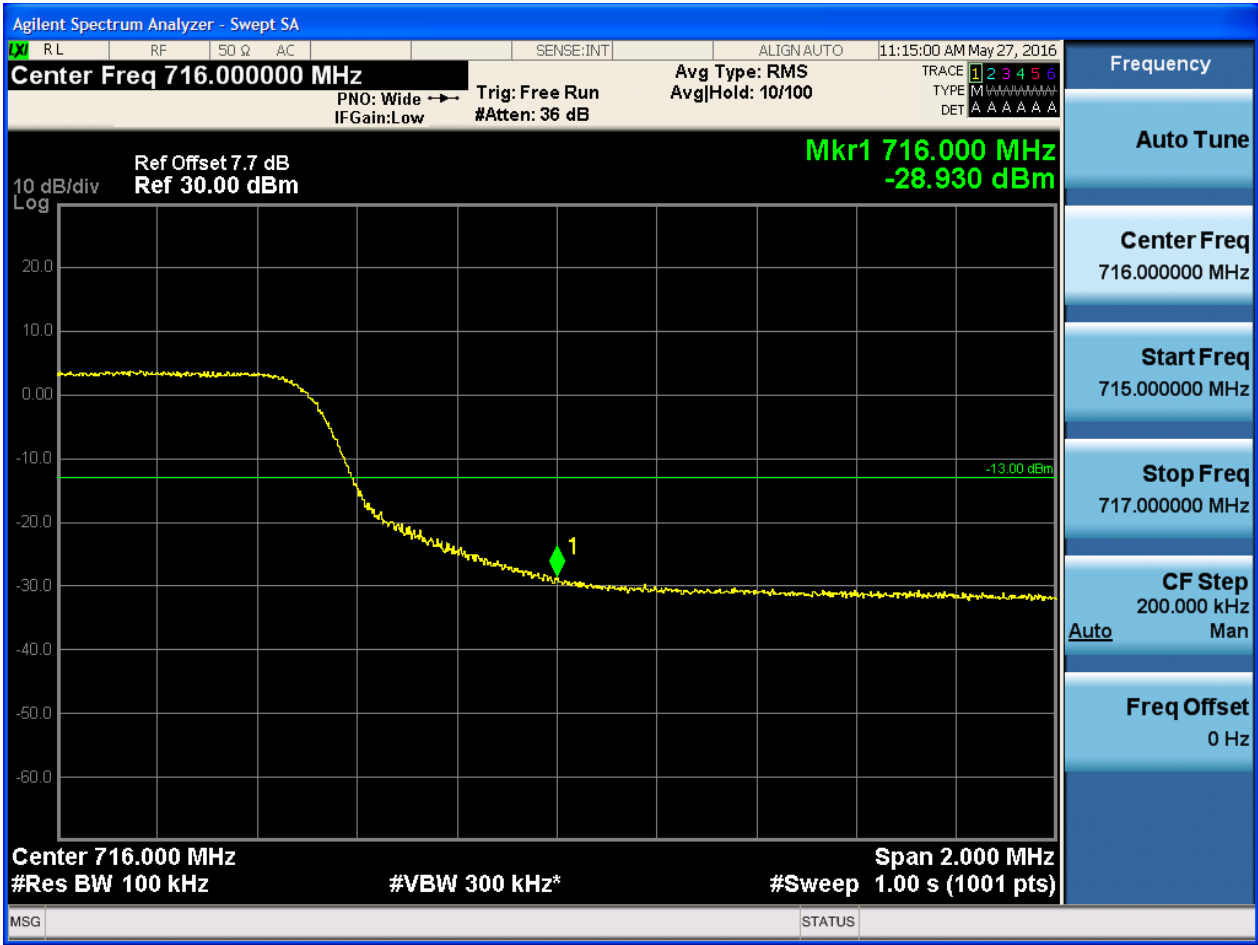


5.1.1.2.2.3 Test RB = RB25#13





5.1.1.2.2.2.4 Test RB = RB50#0





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

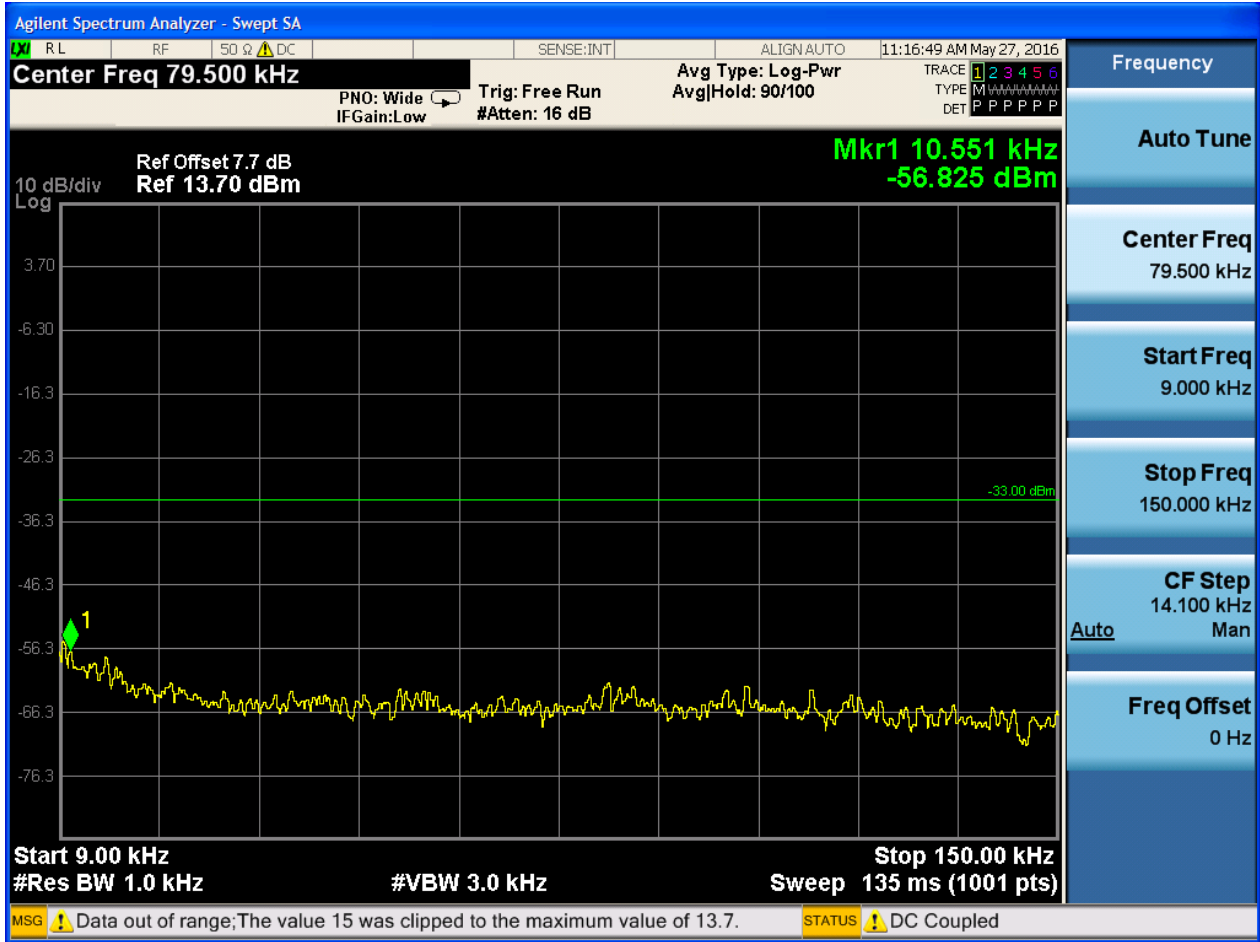
6.1.1 Test Band = BAND17

6.1.1.1 Test Mode = LTE/TM1

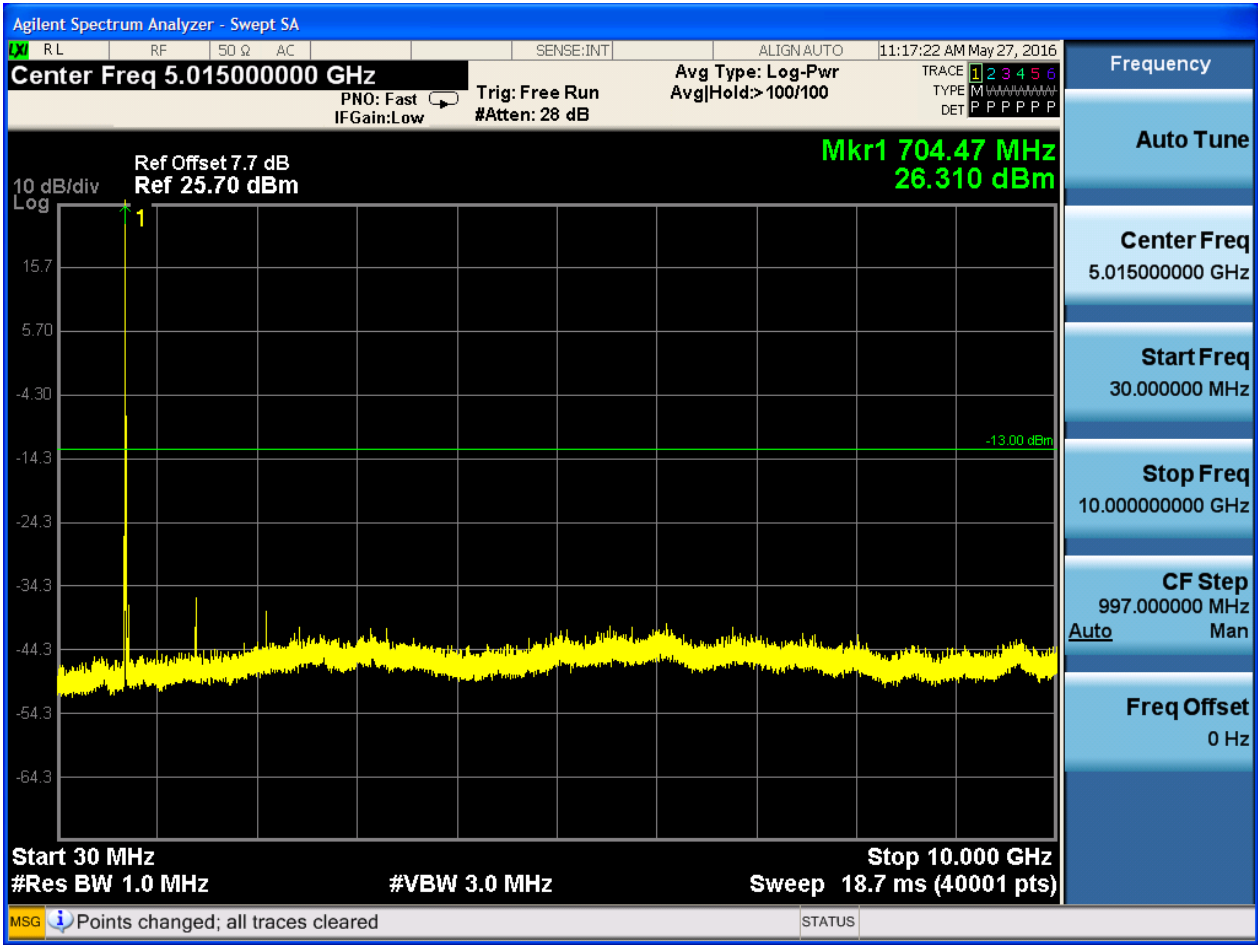
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



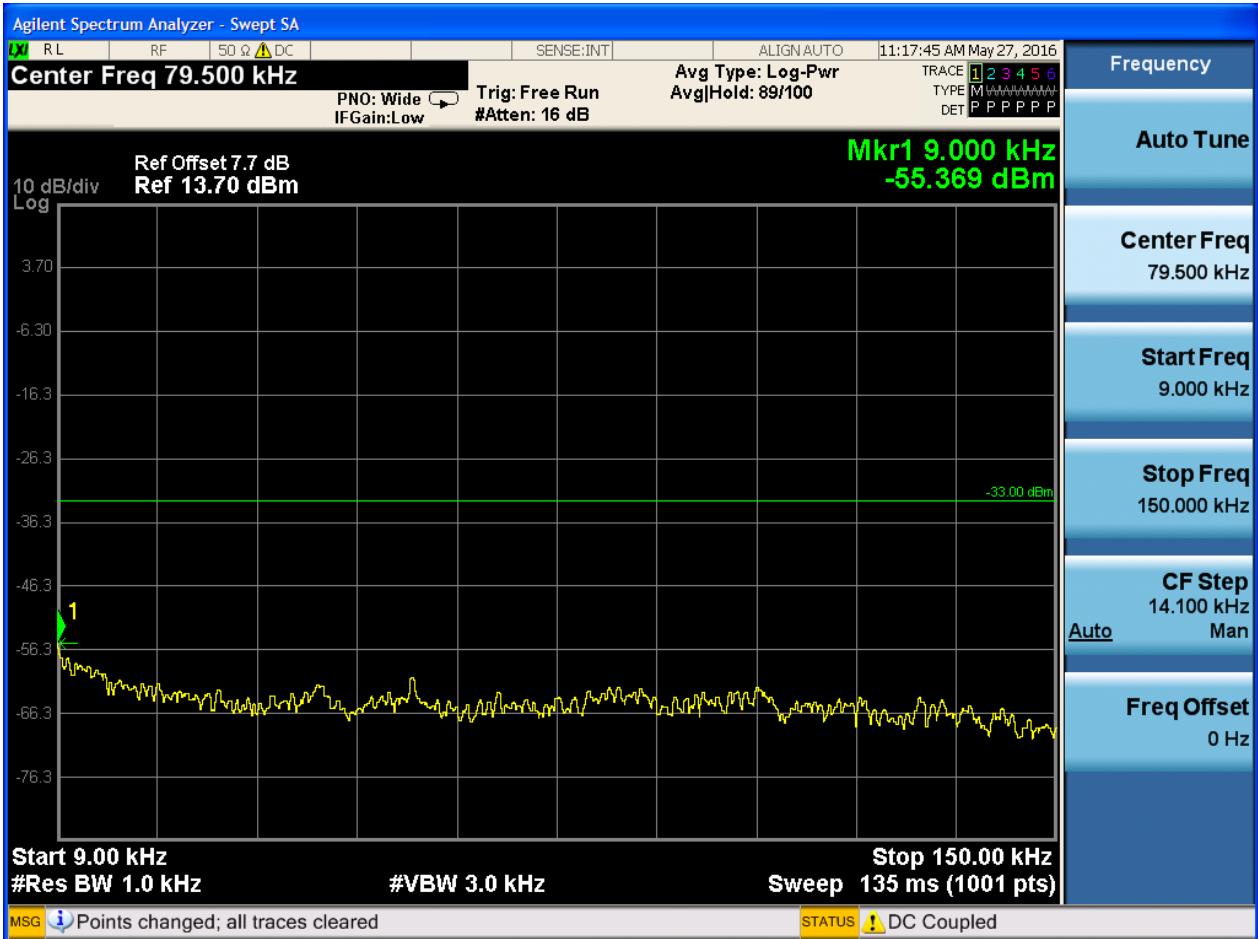


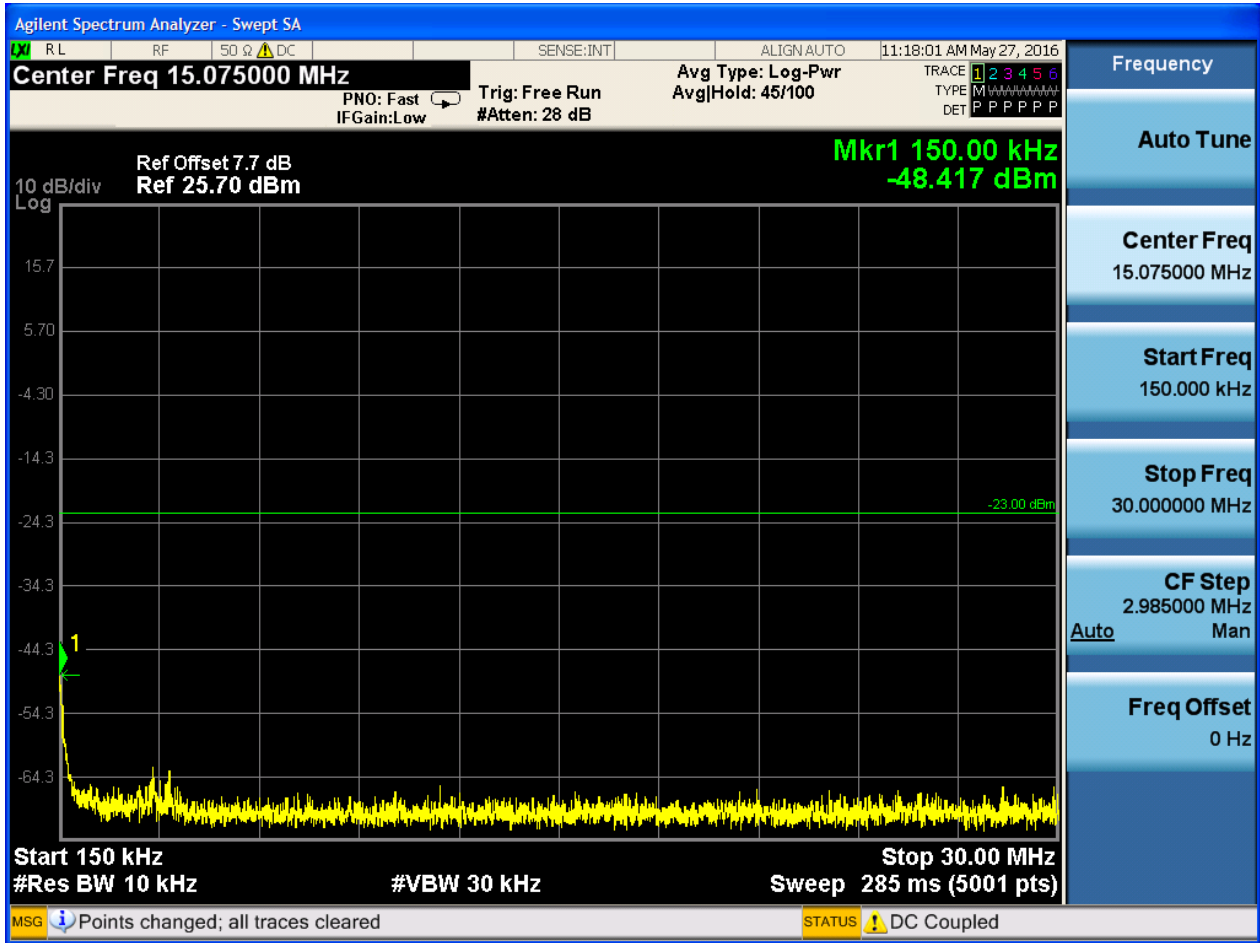


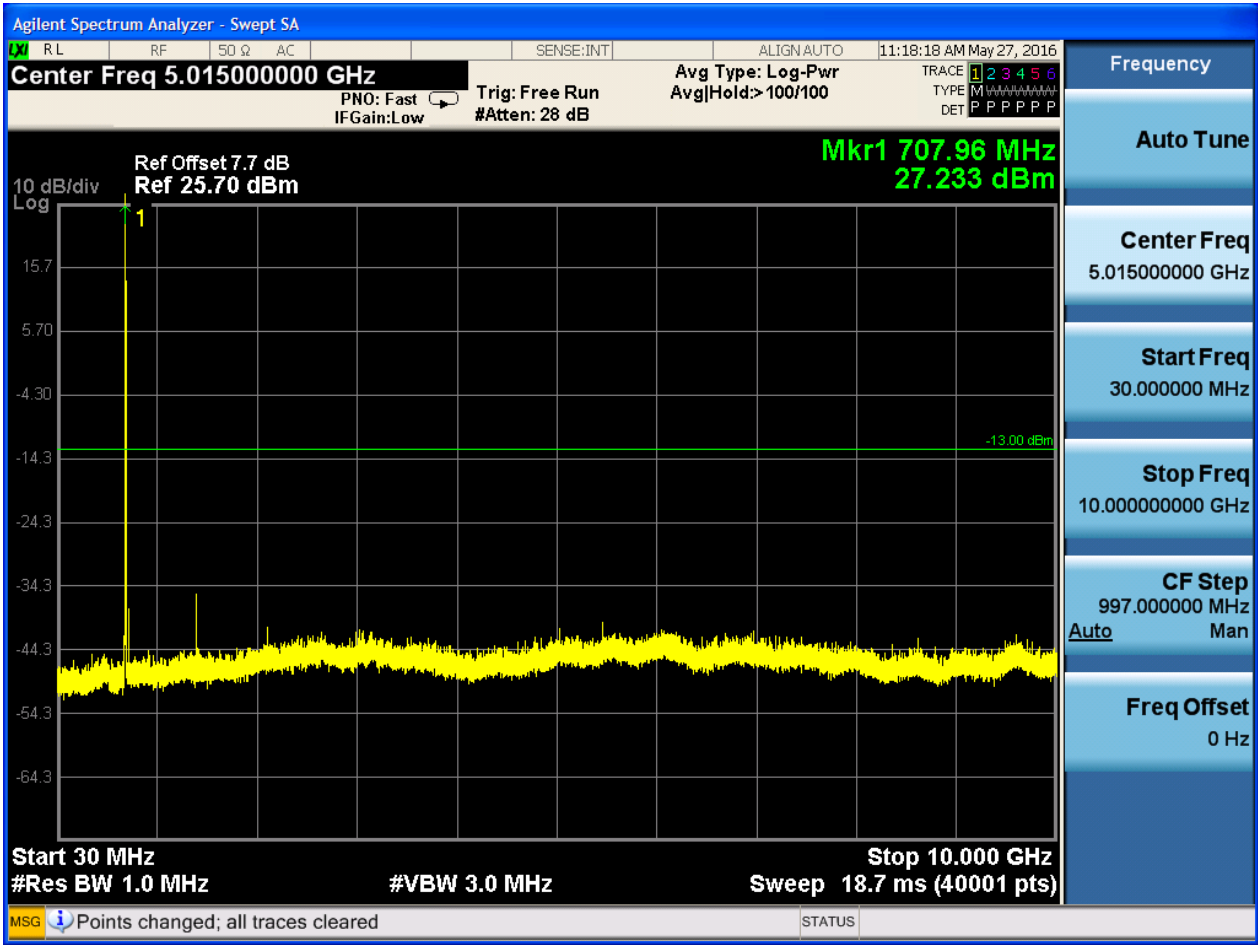


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



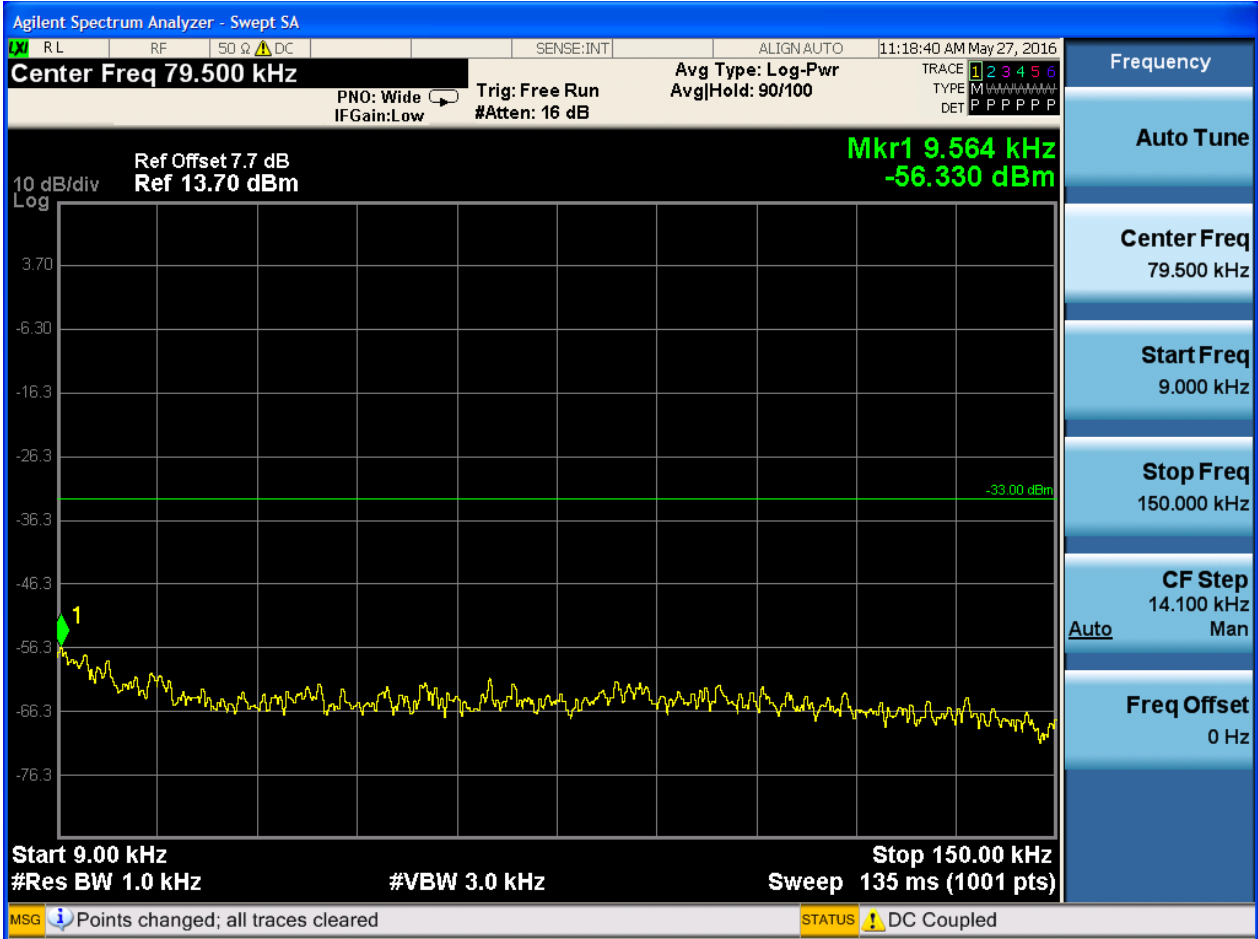


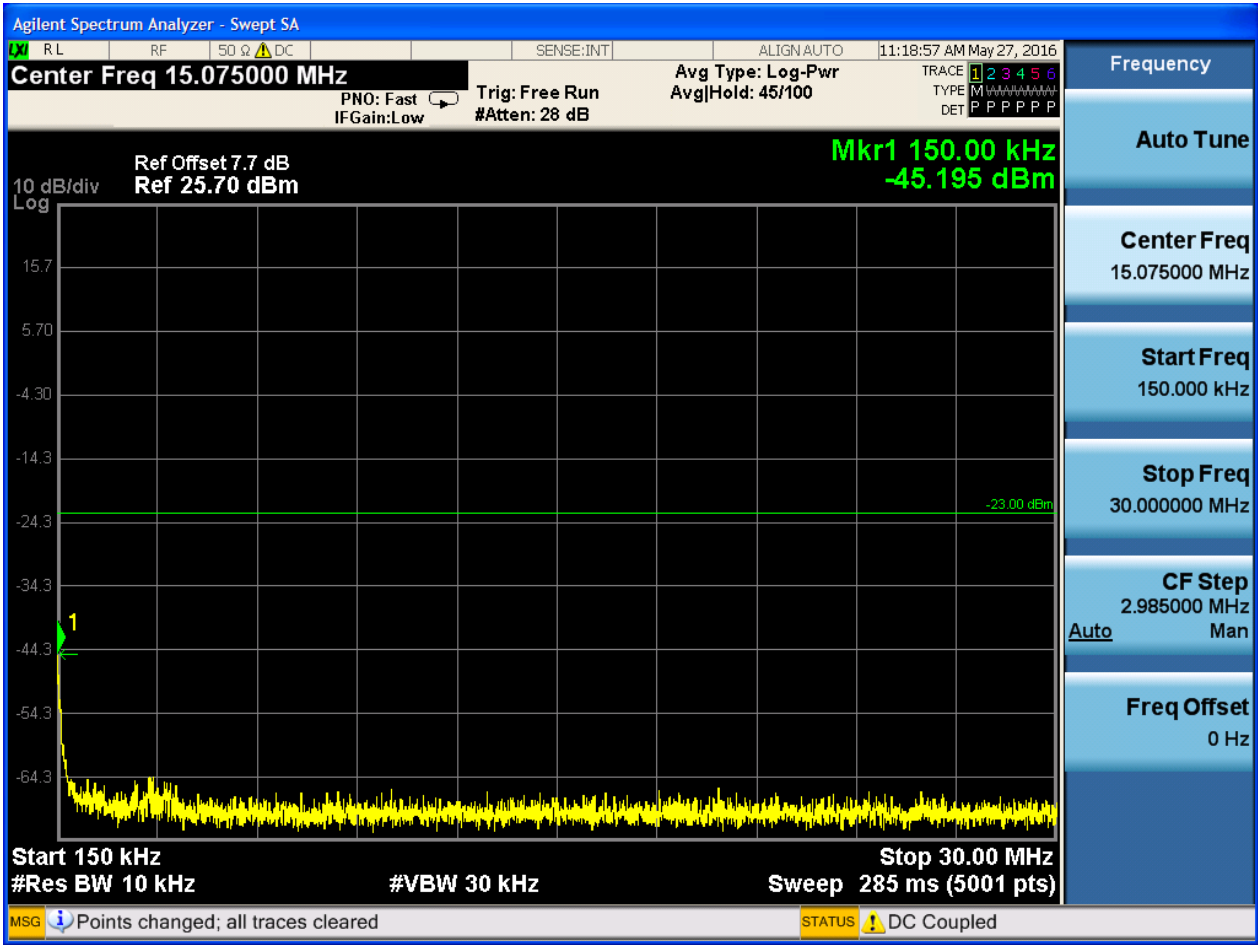


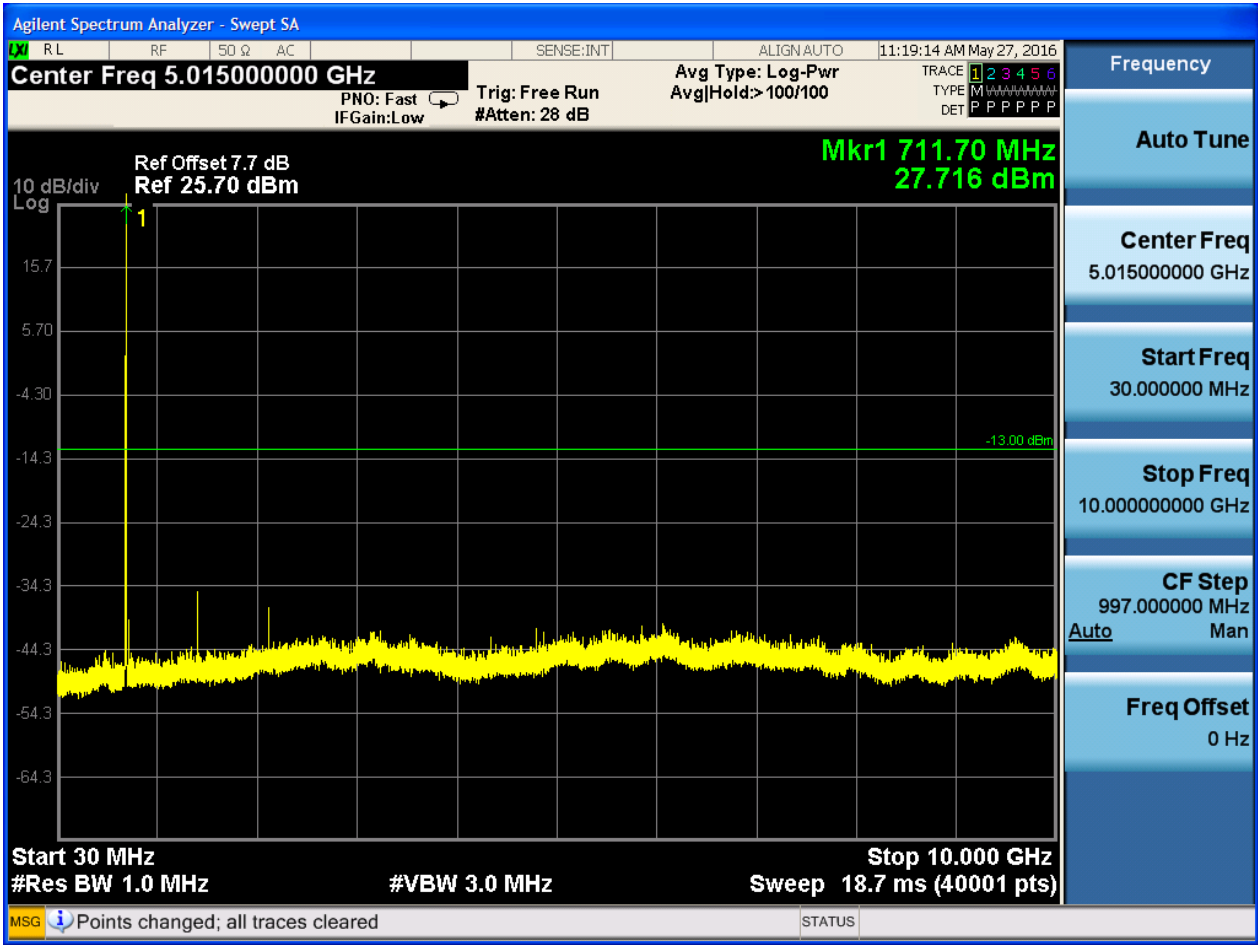


6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0





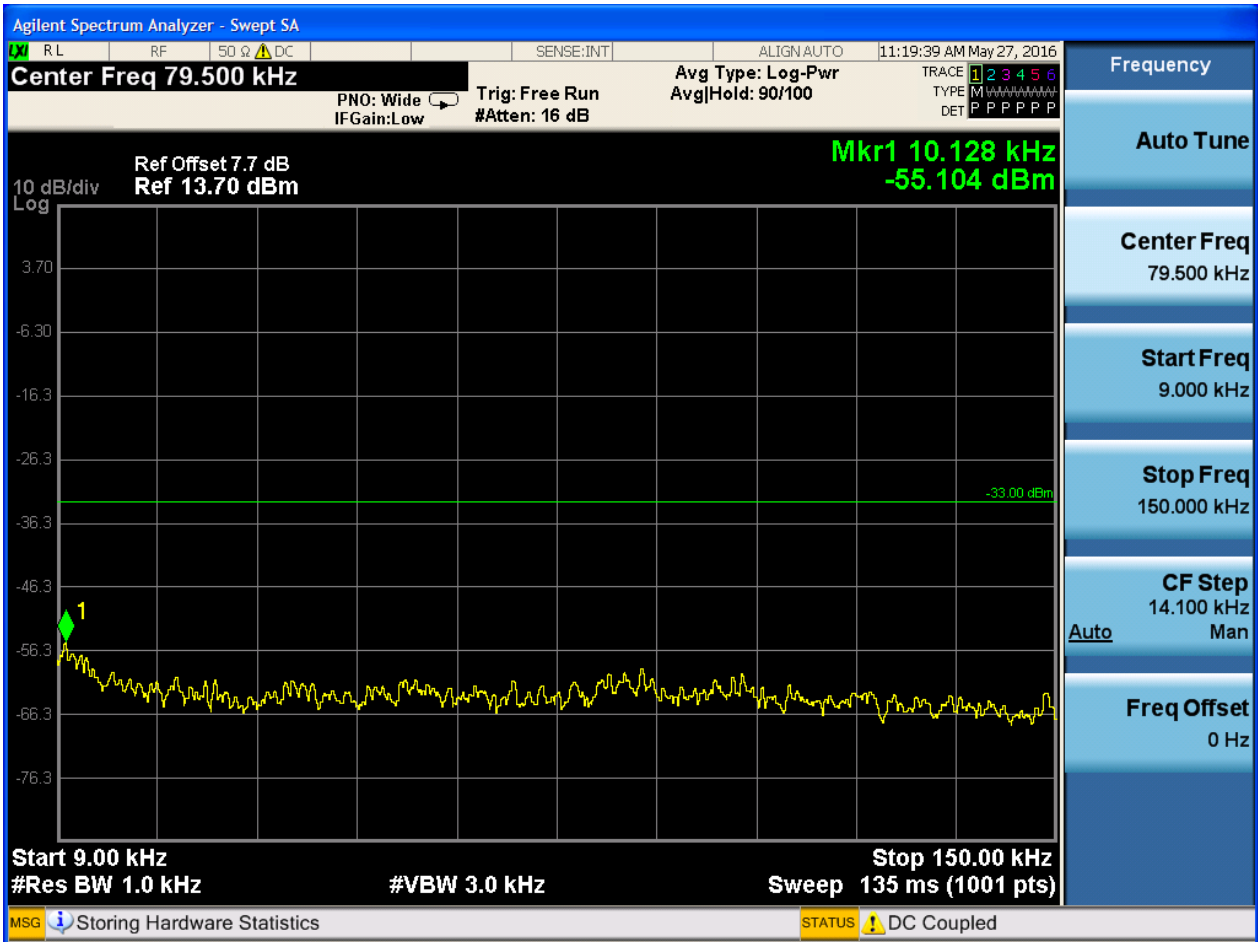


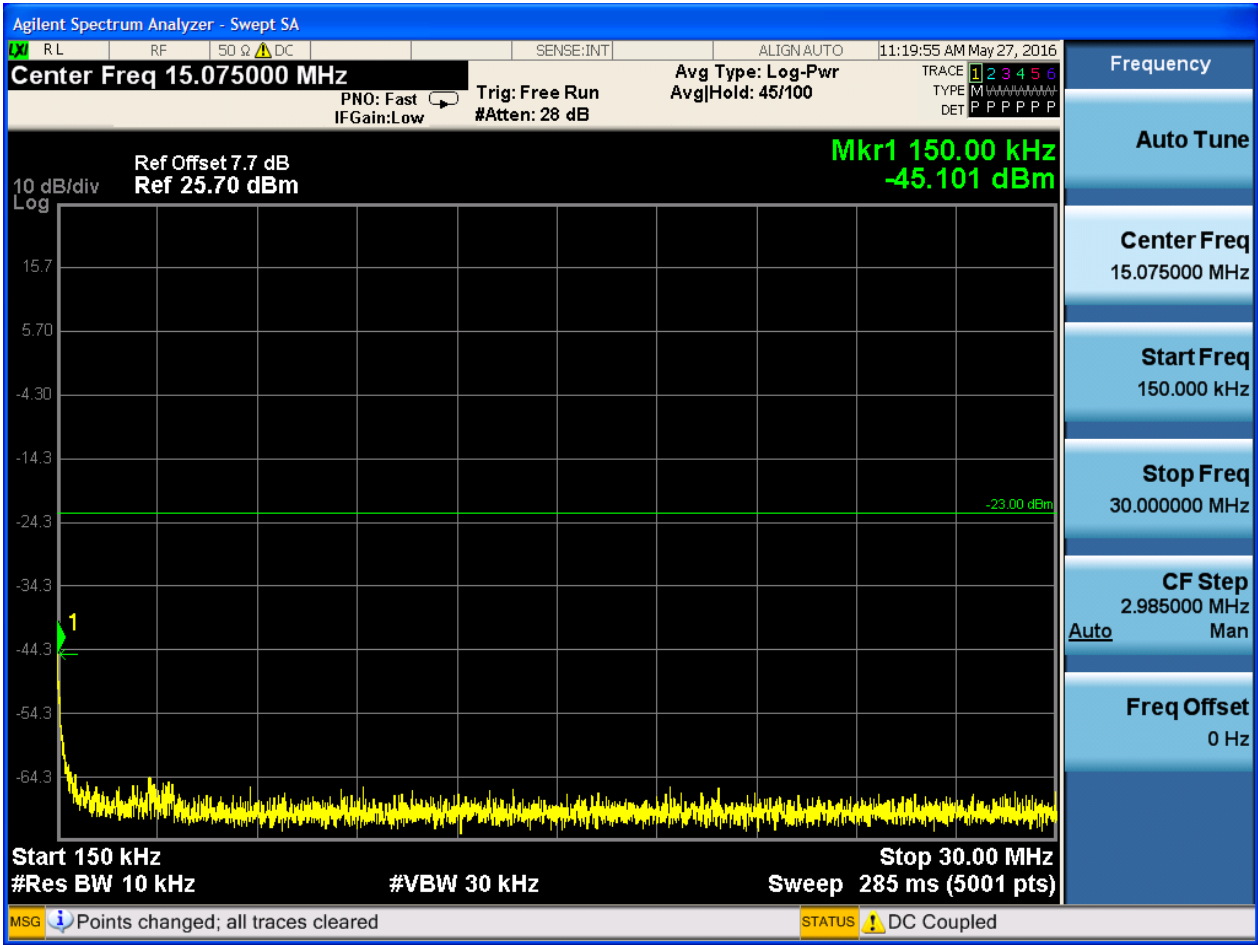


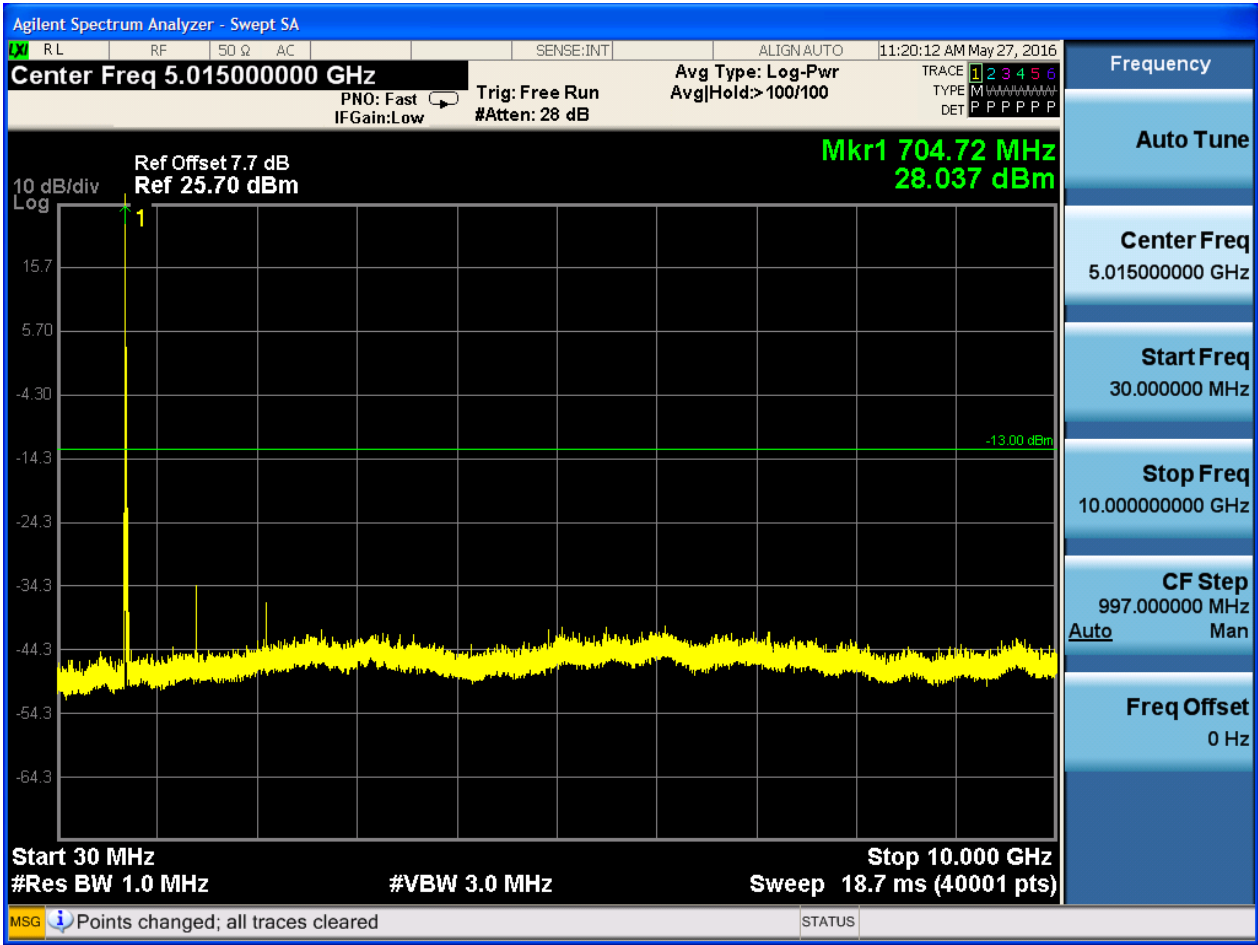
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



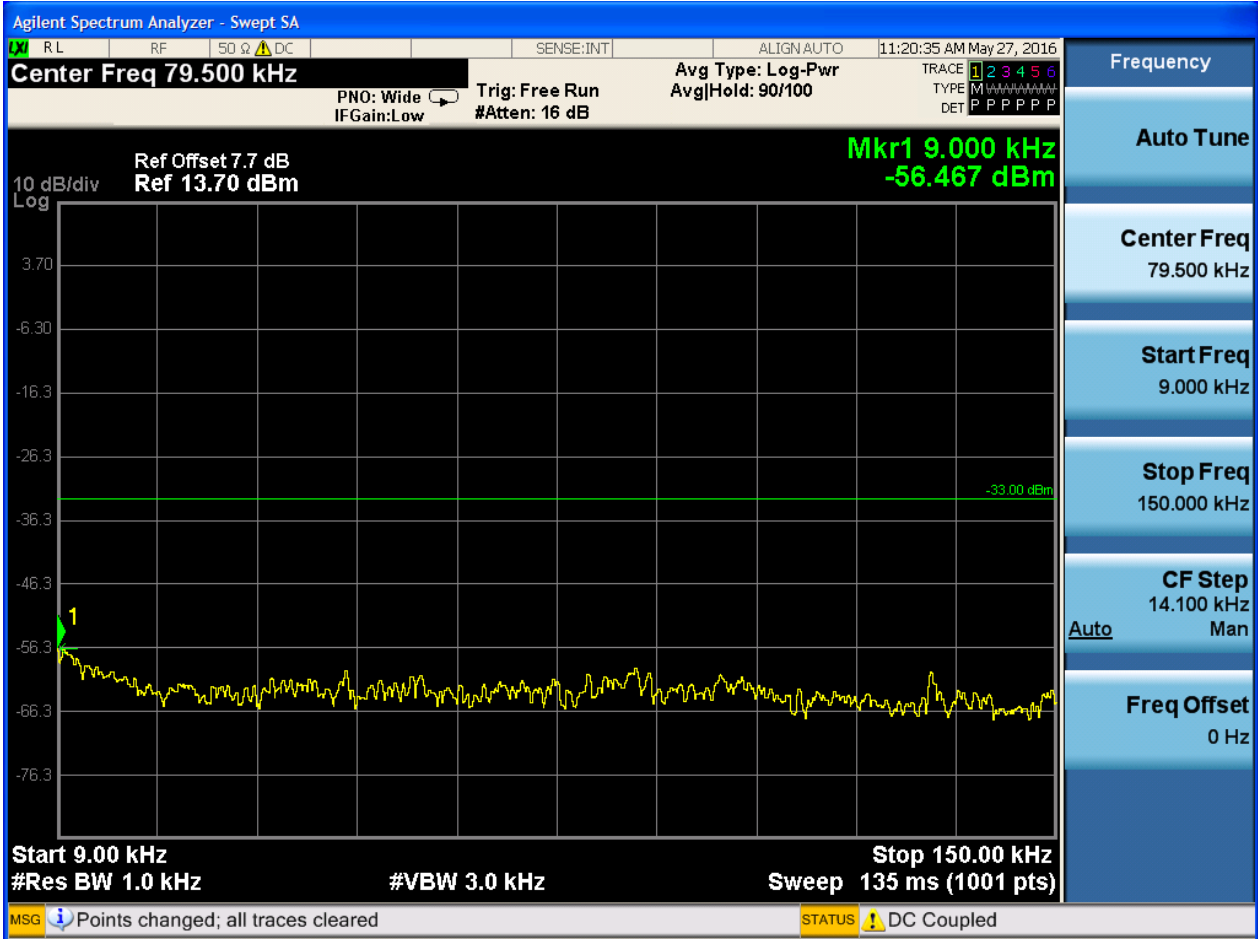




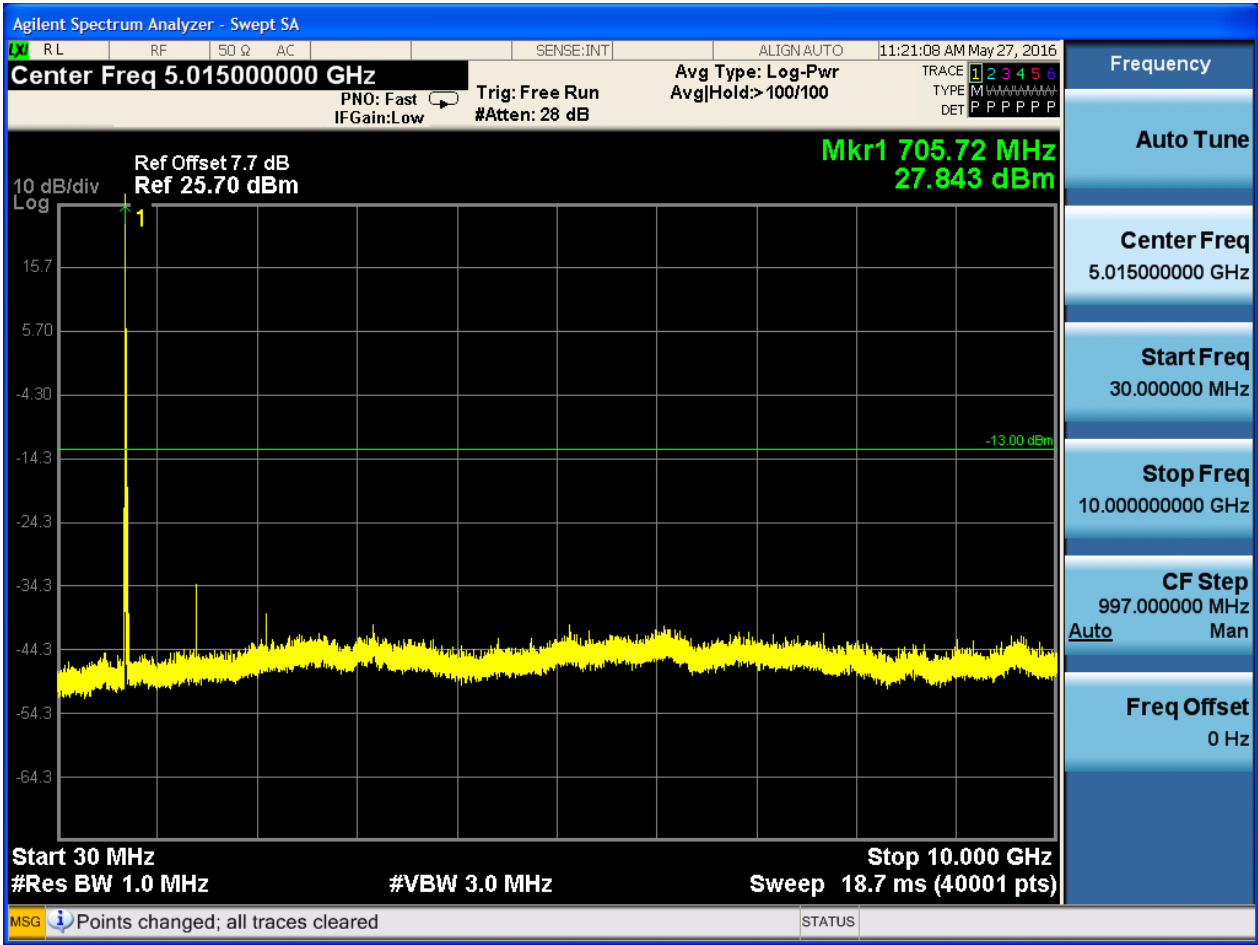


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



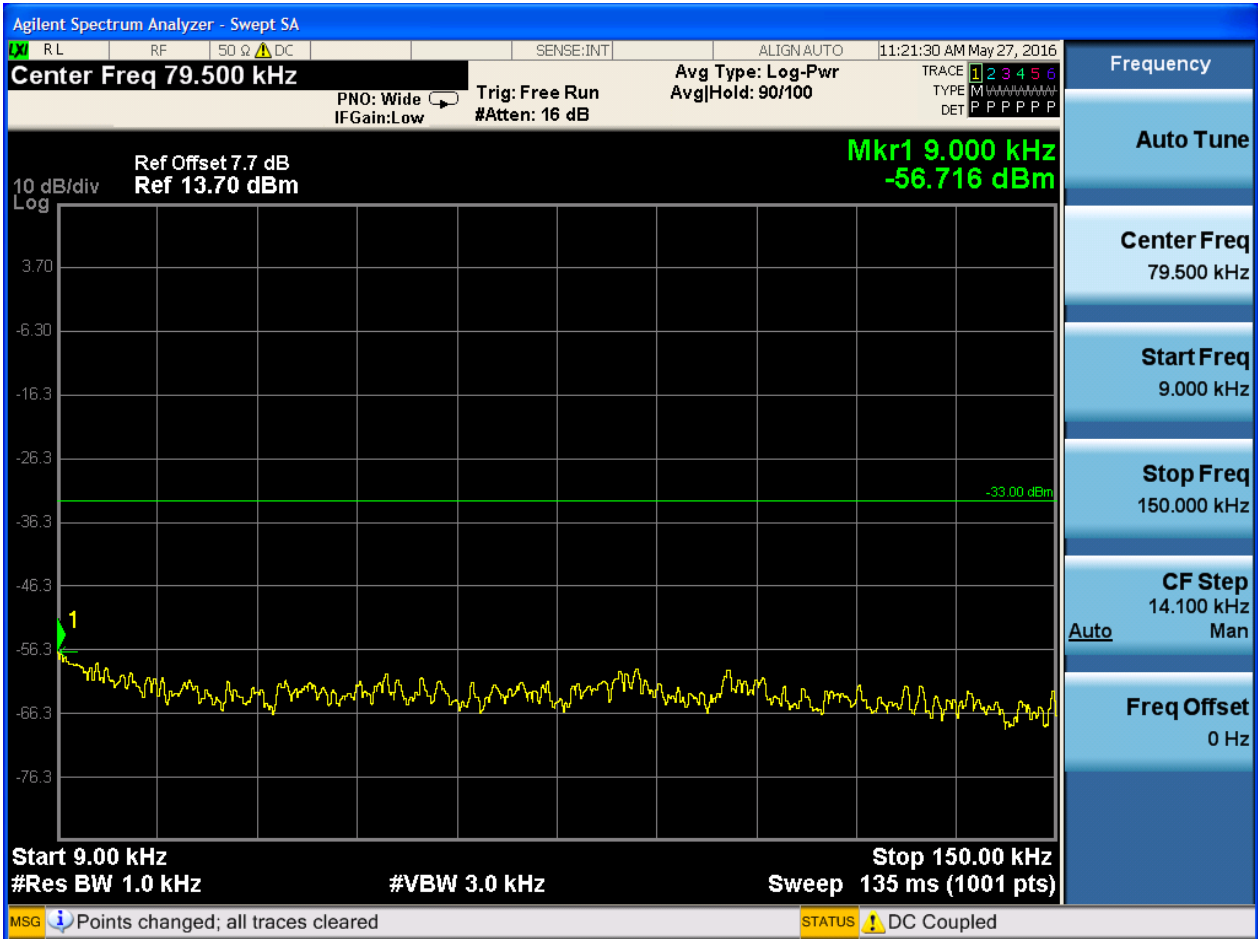


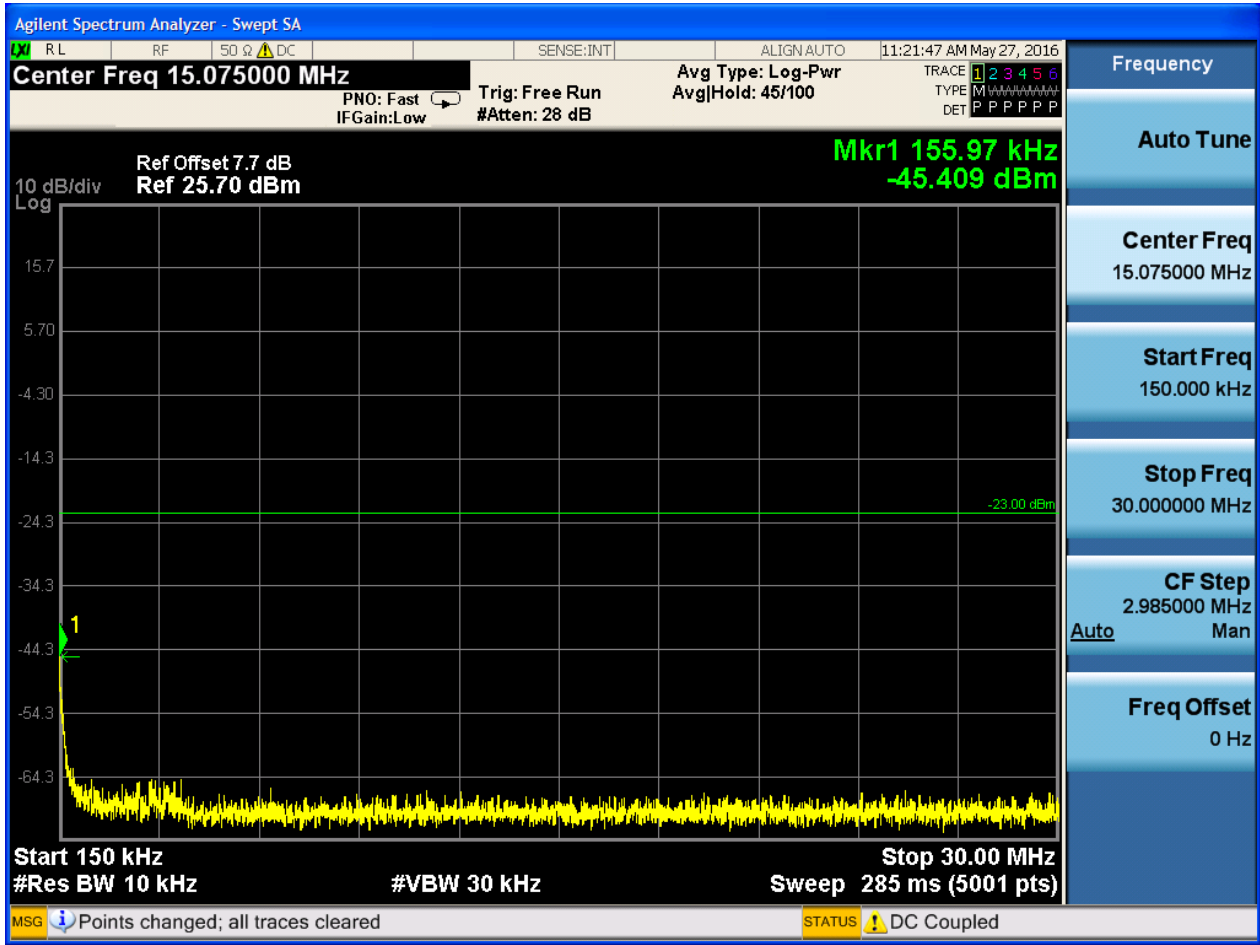


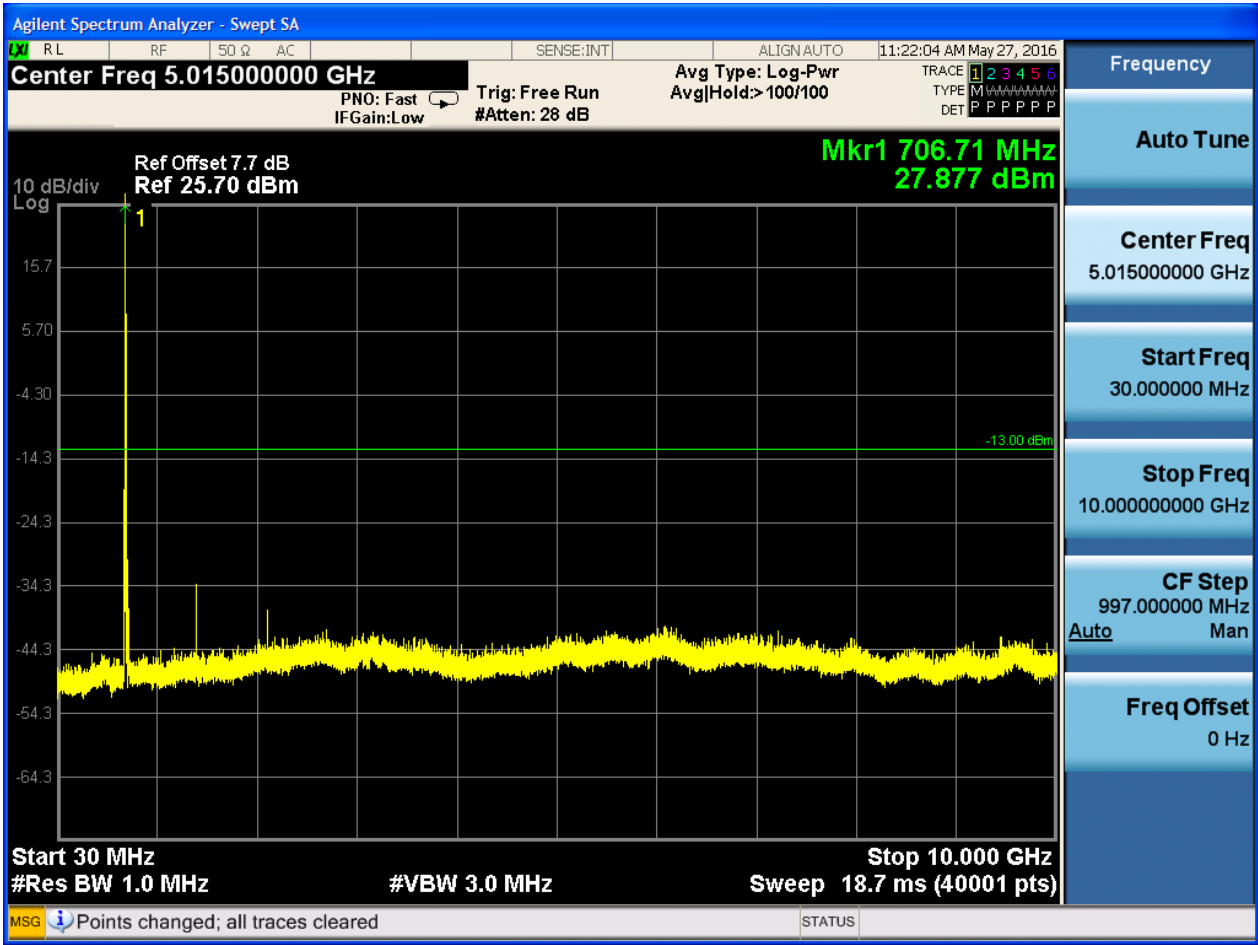


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







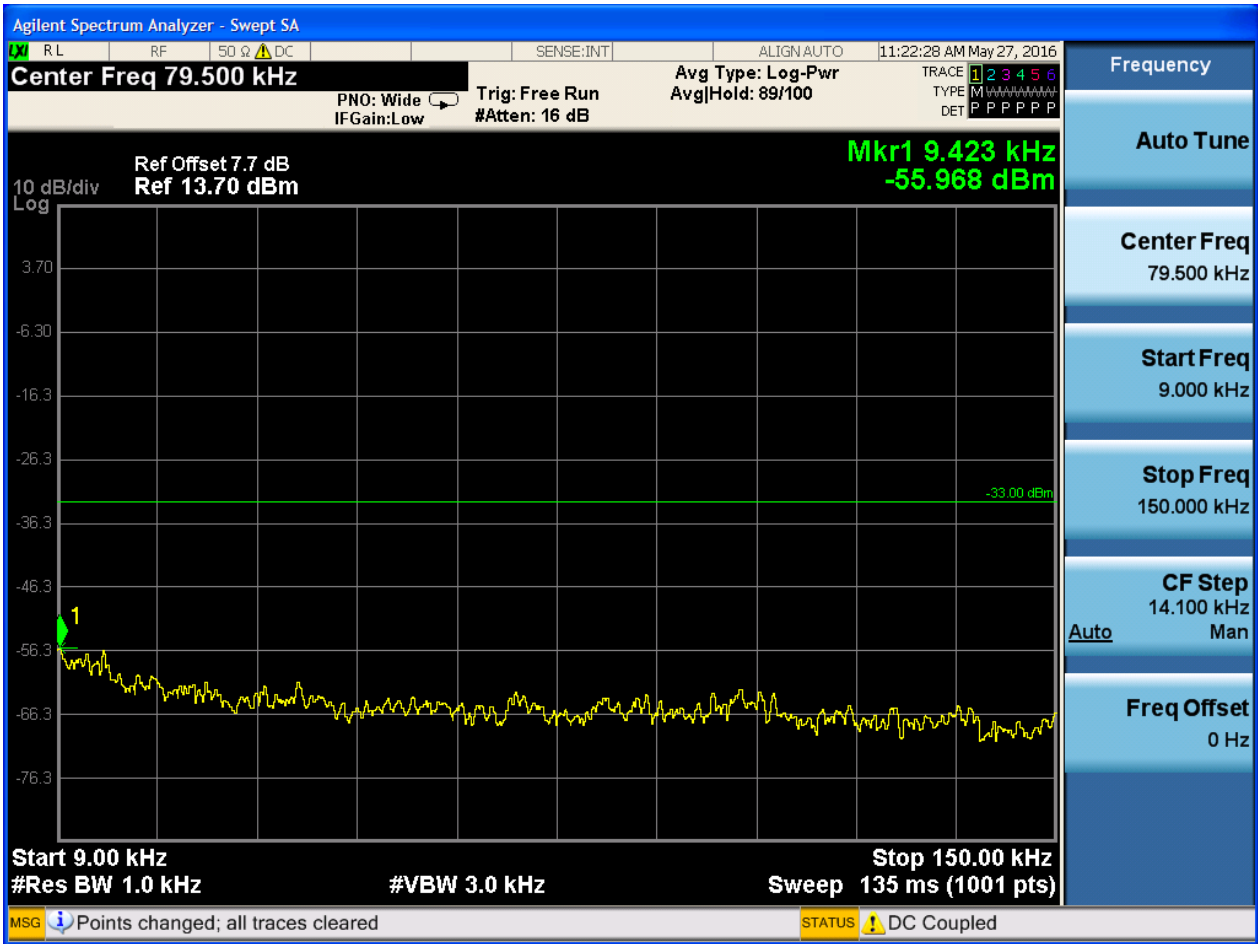


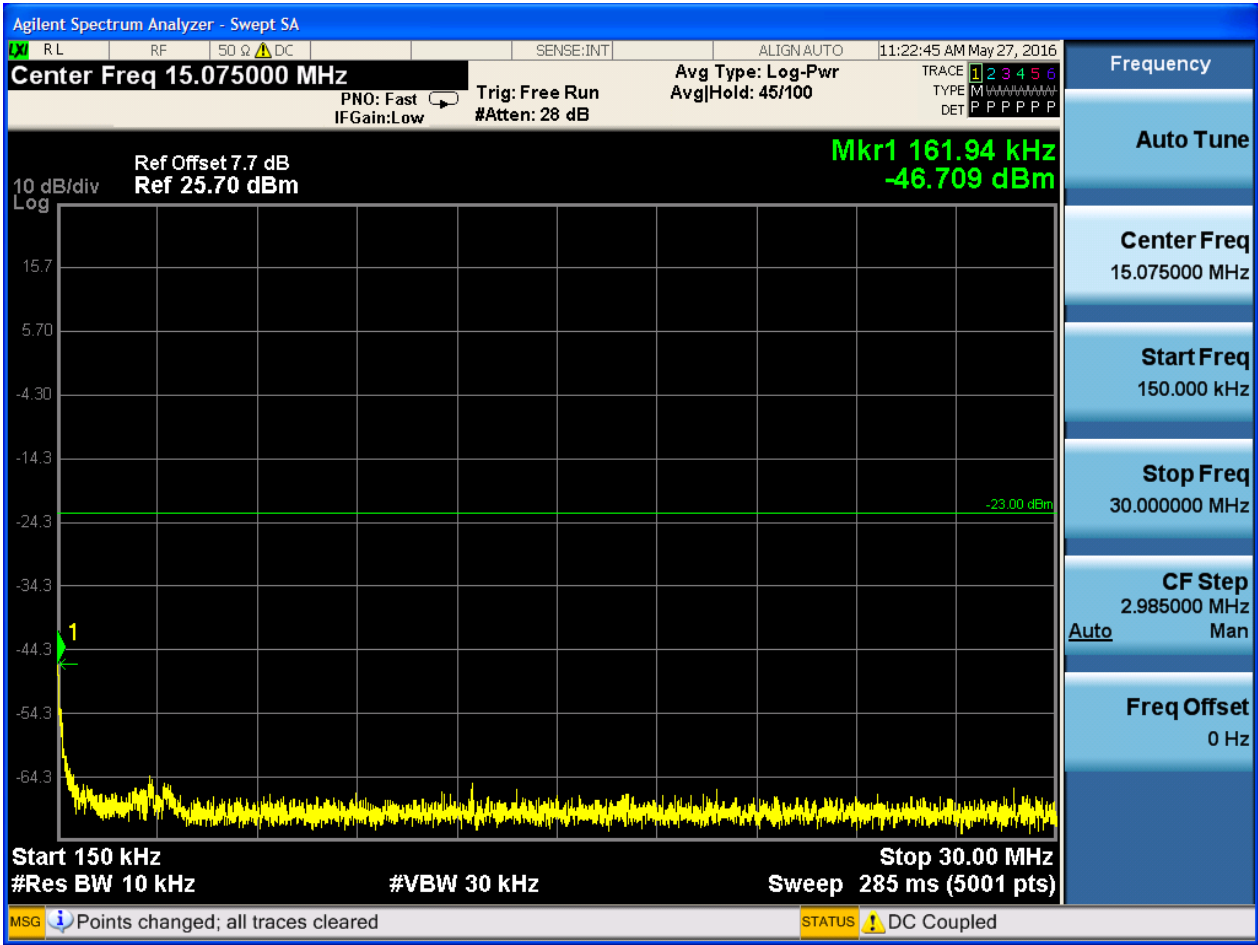
6.1.1.2 Test Mode = LTE/TM2

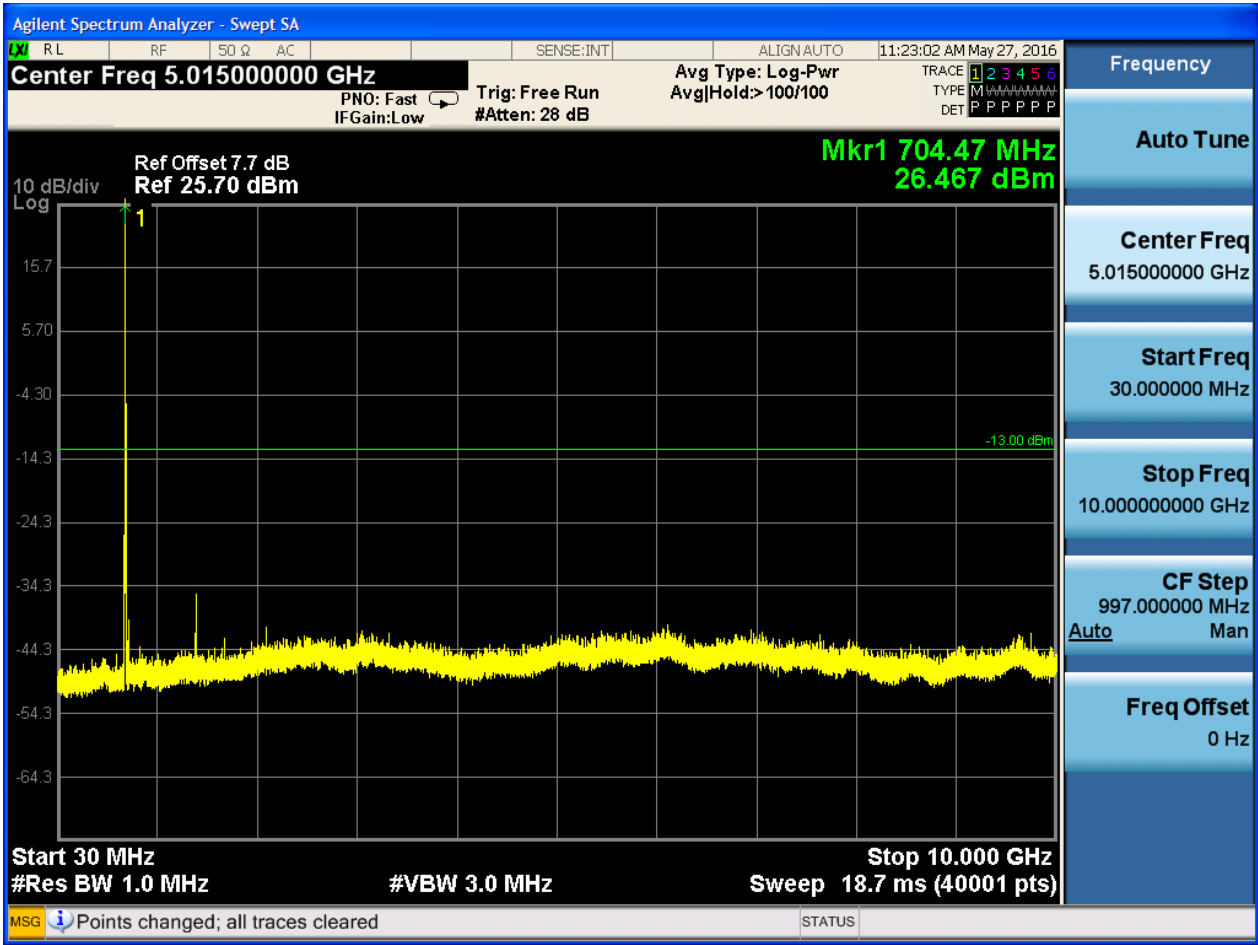
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



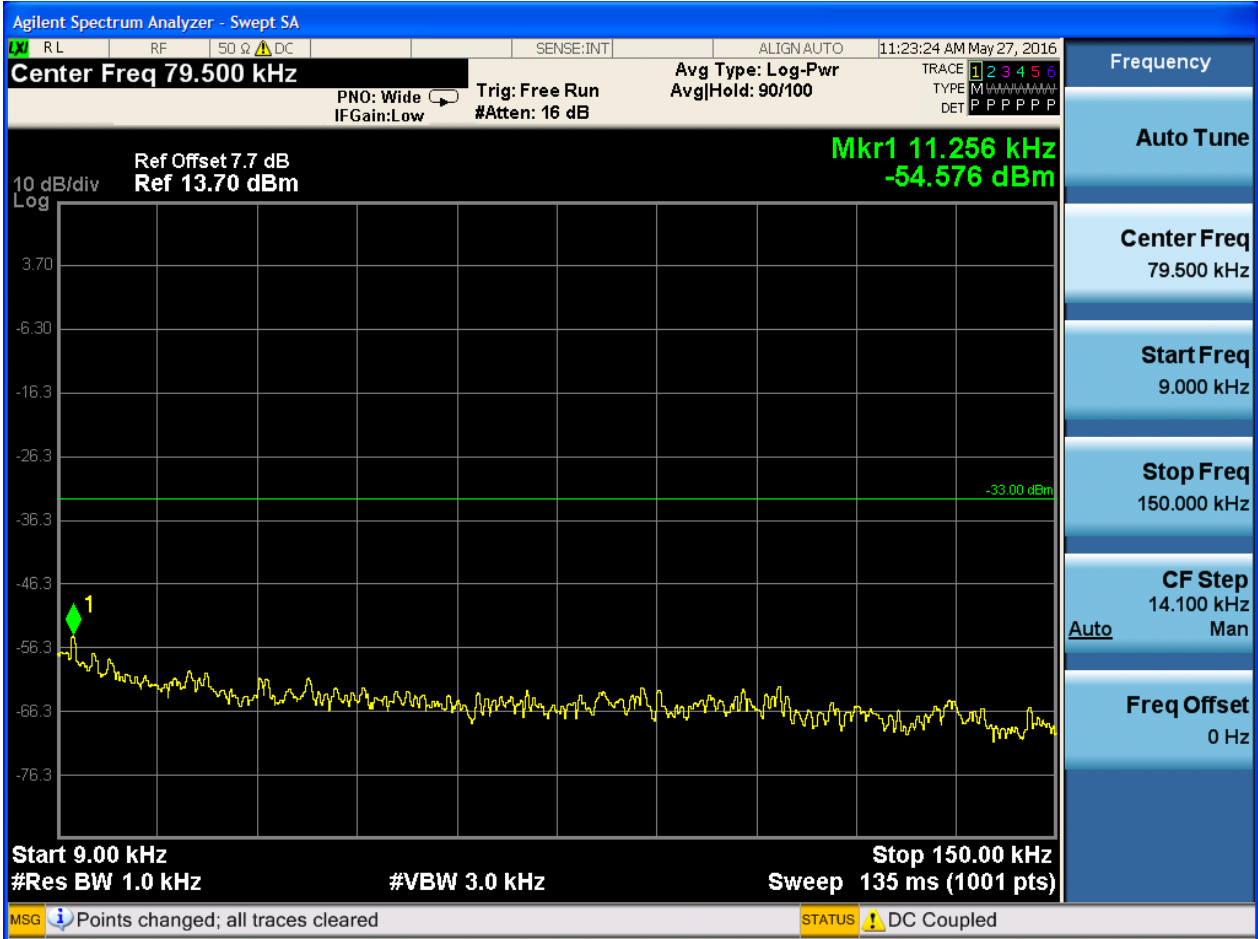


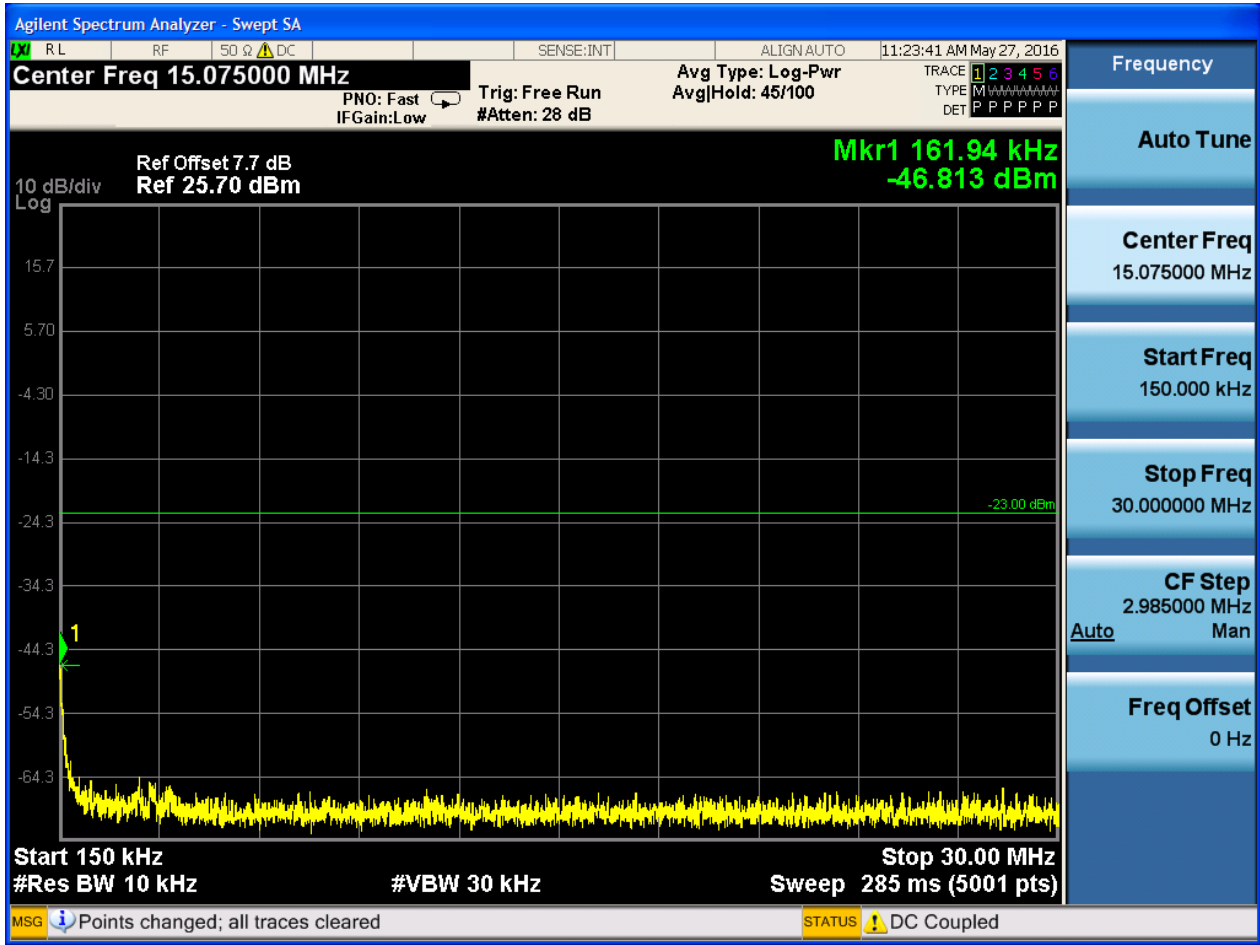


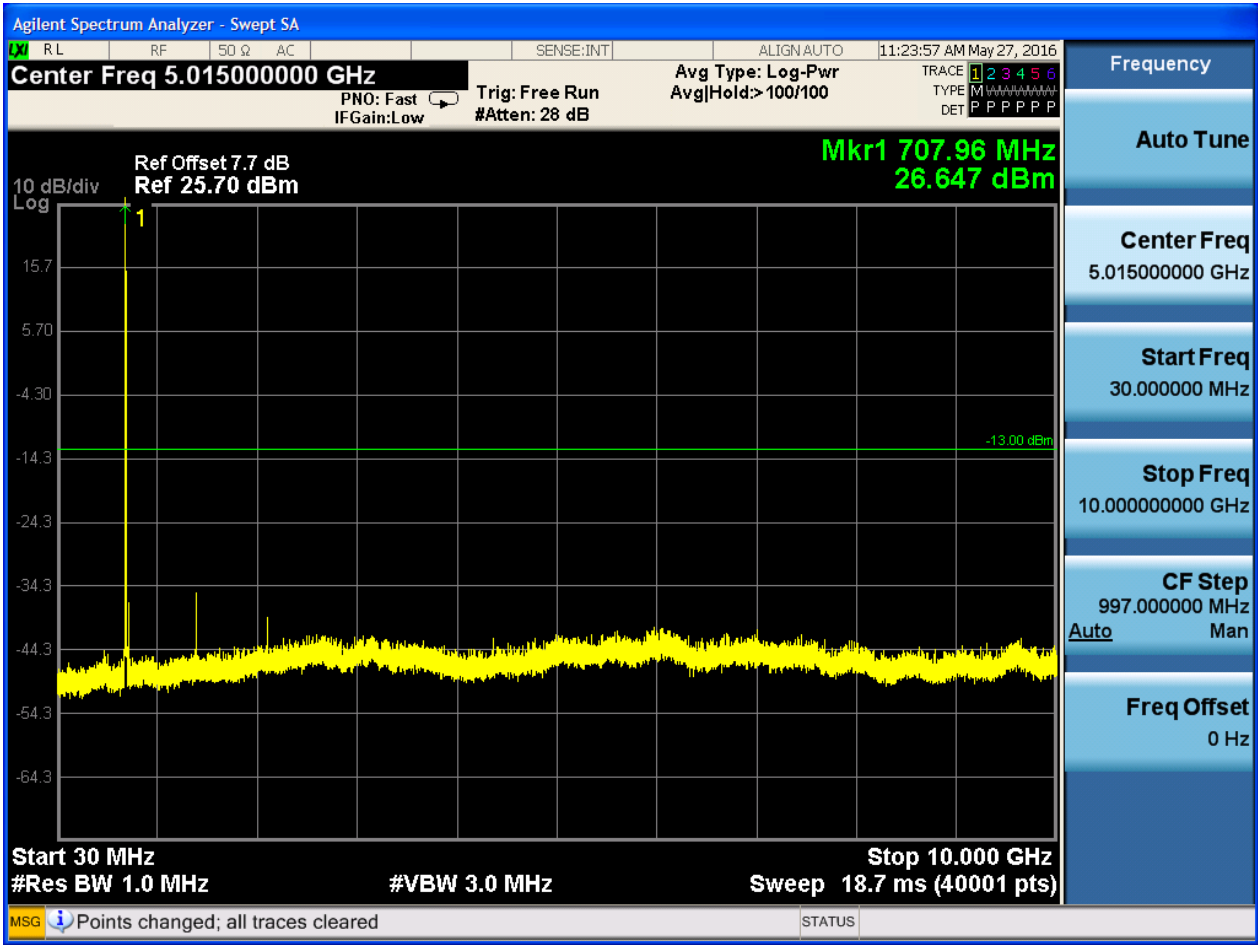


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



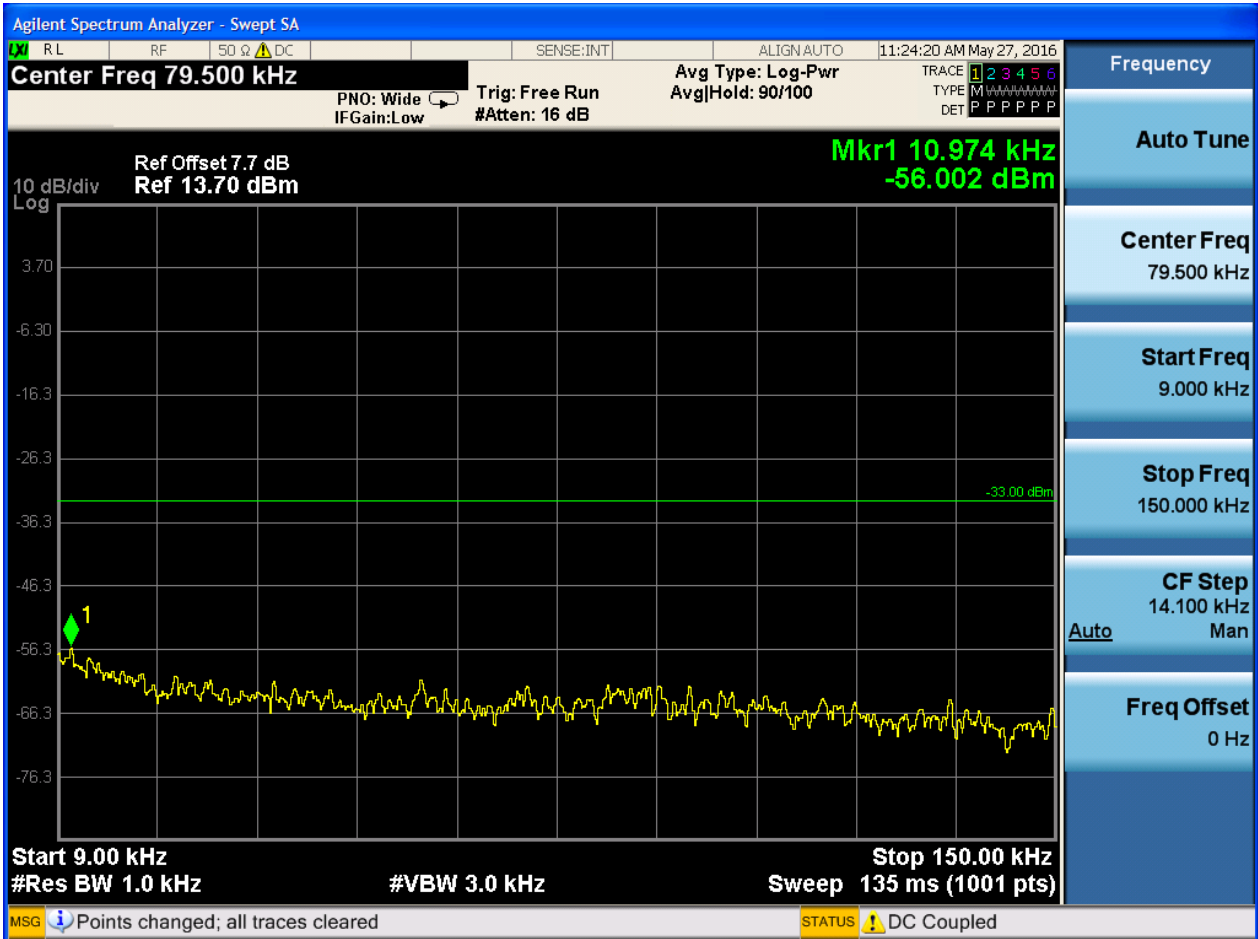


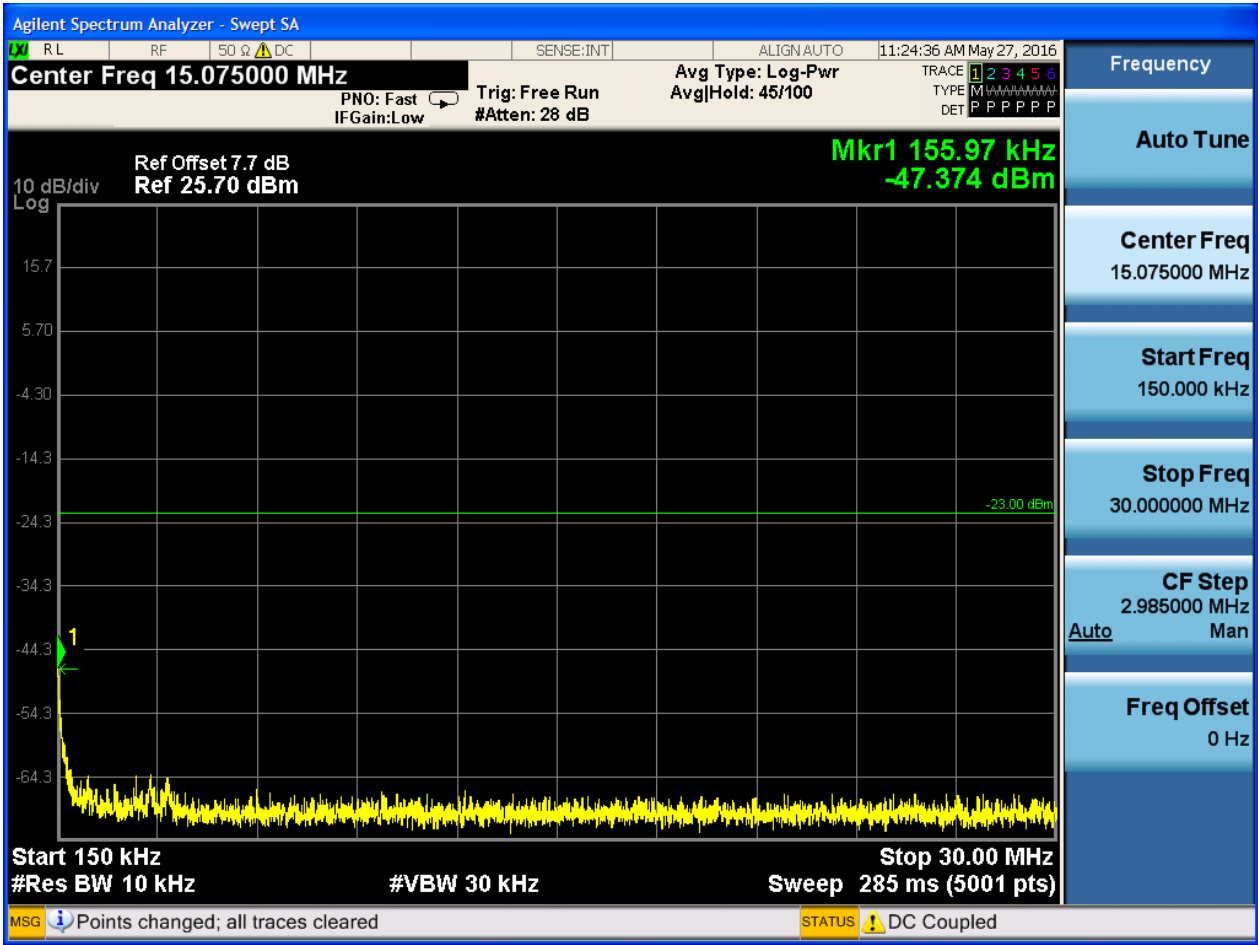


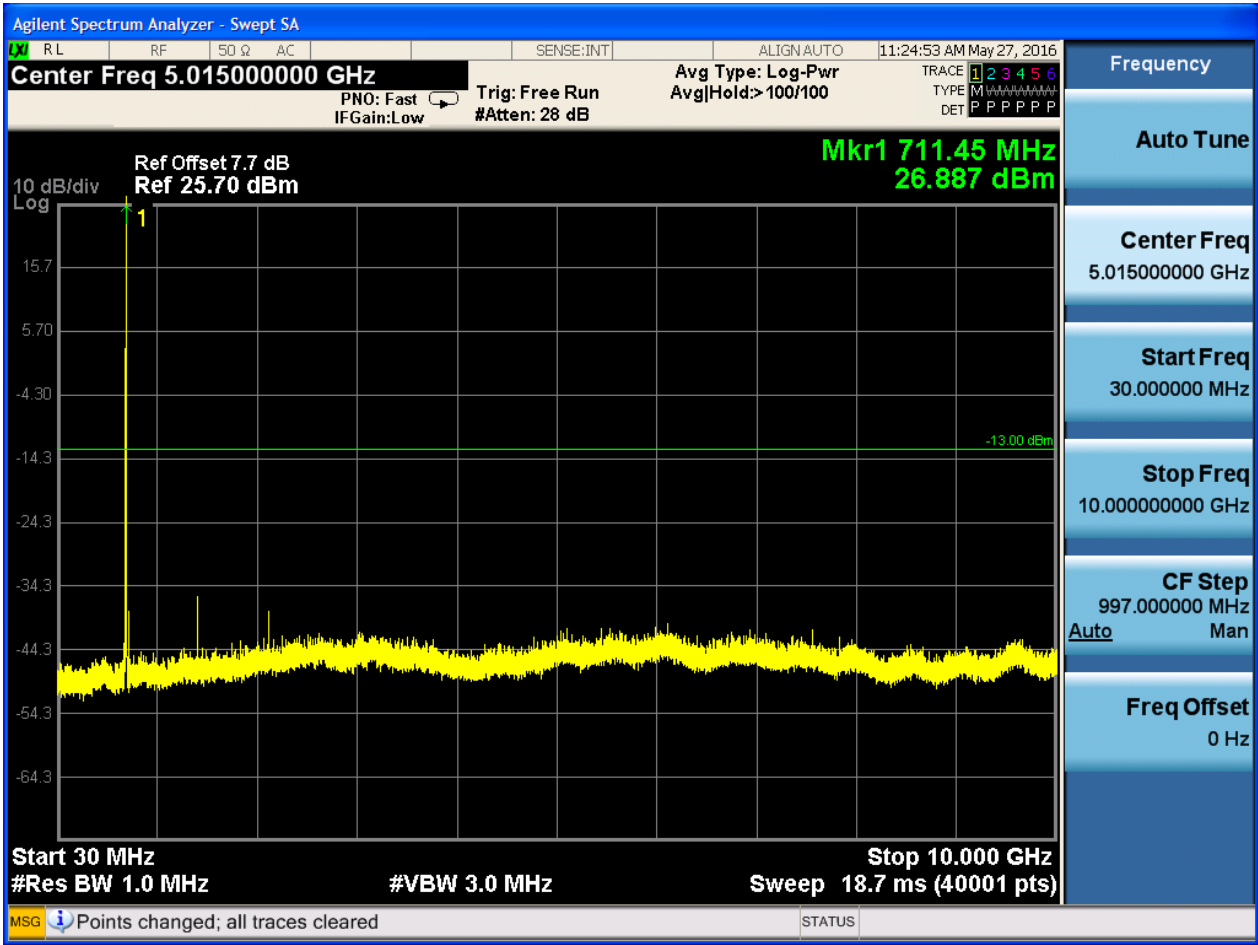


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





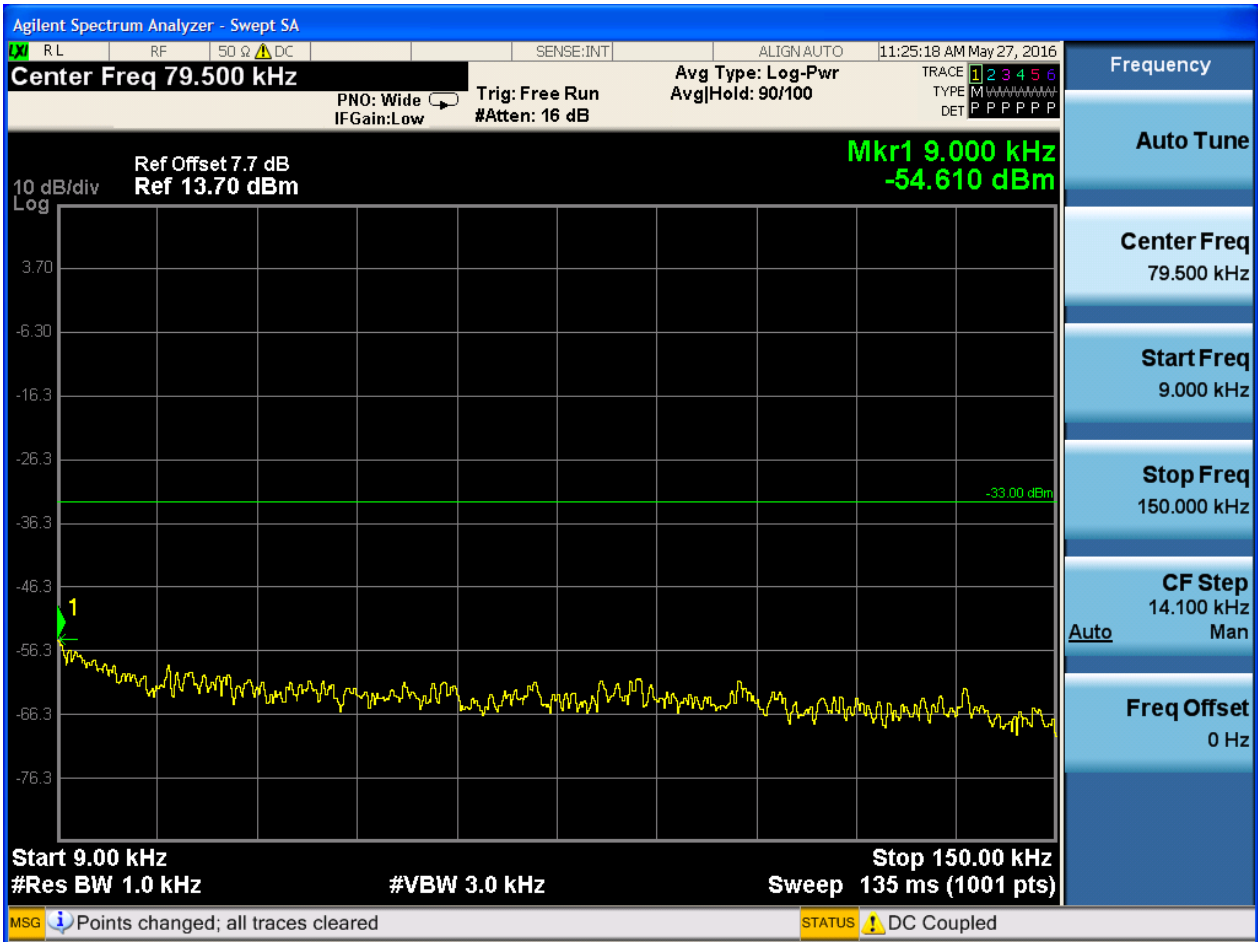


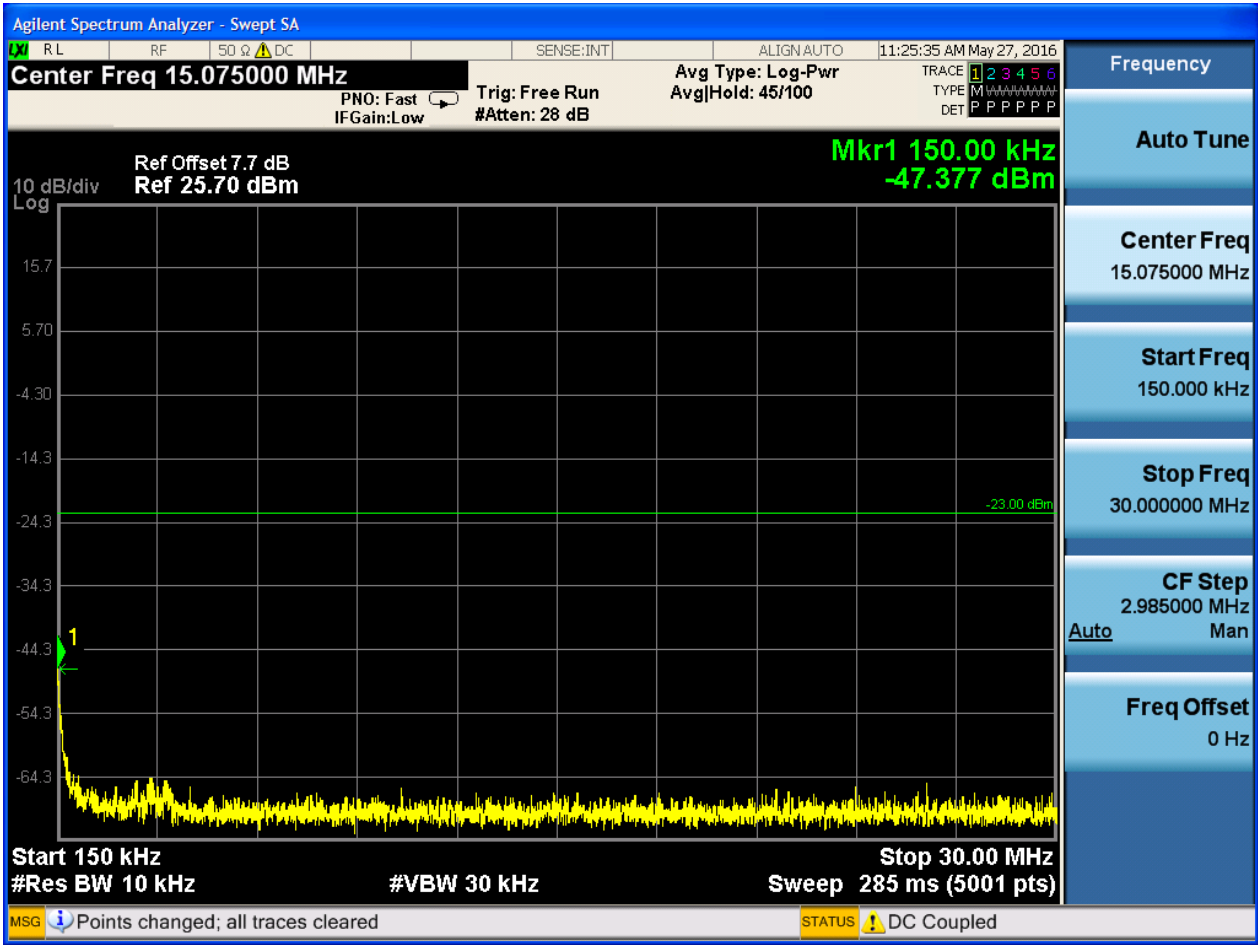


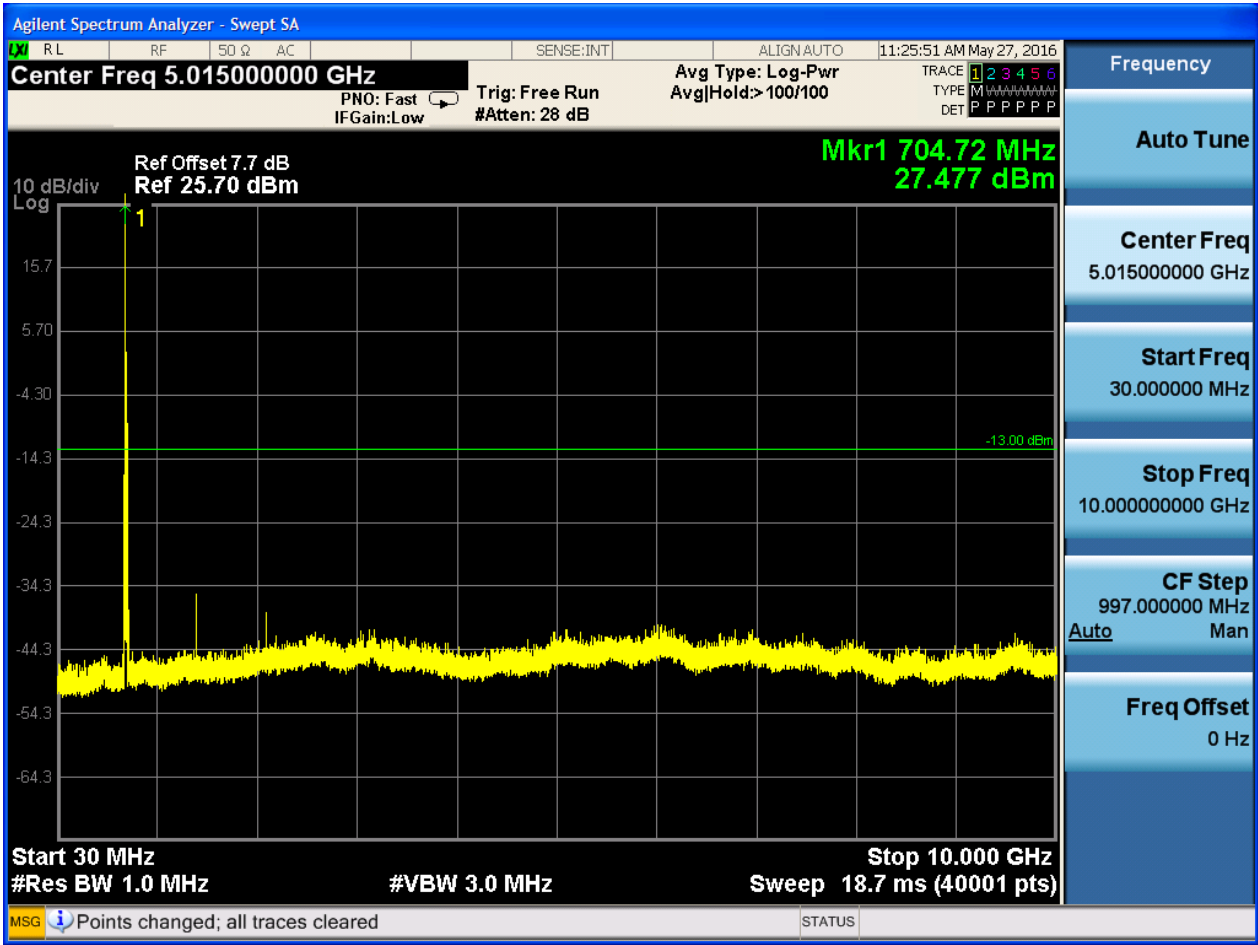
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



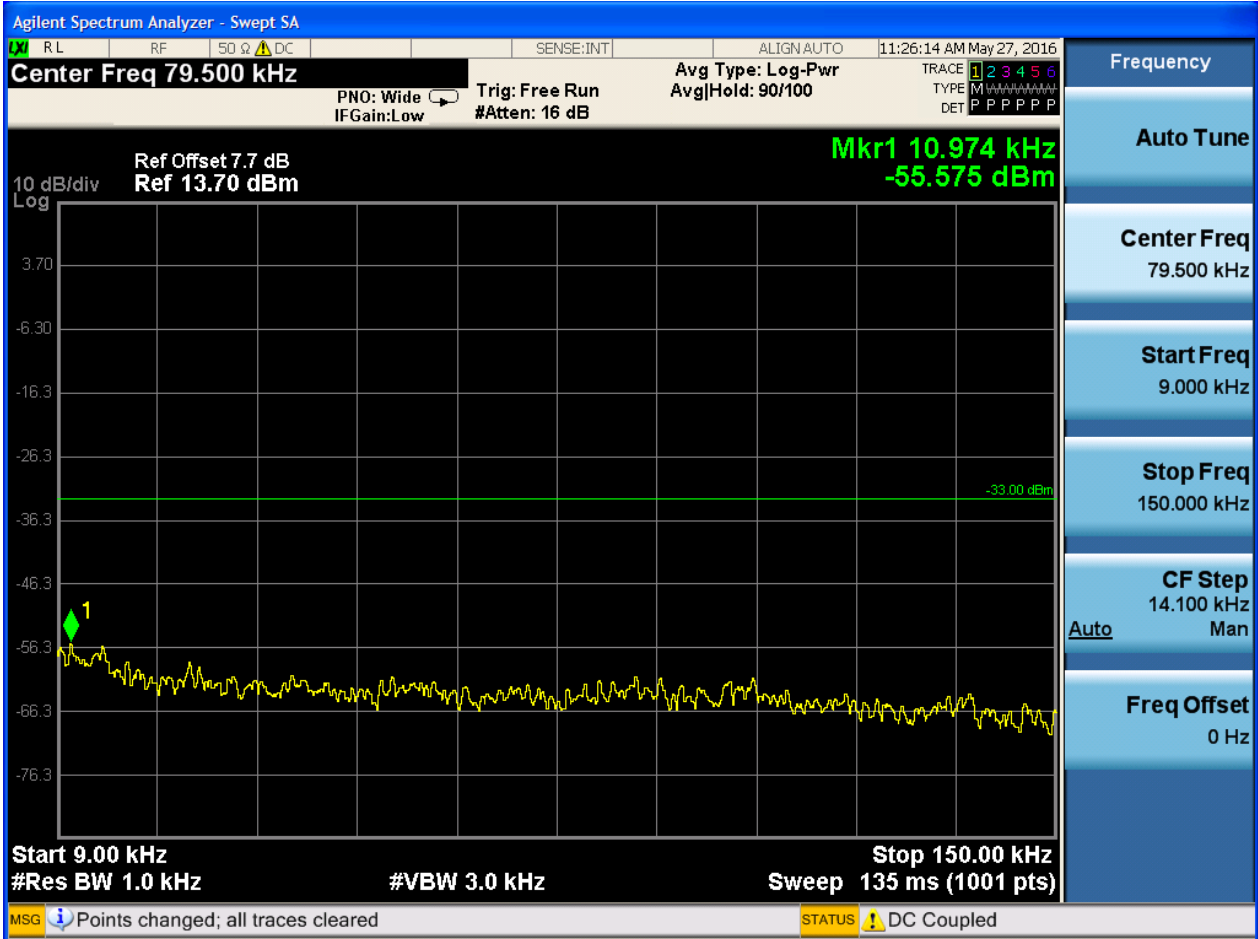


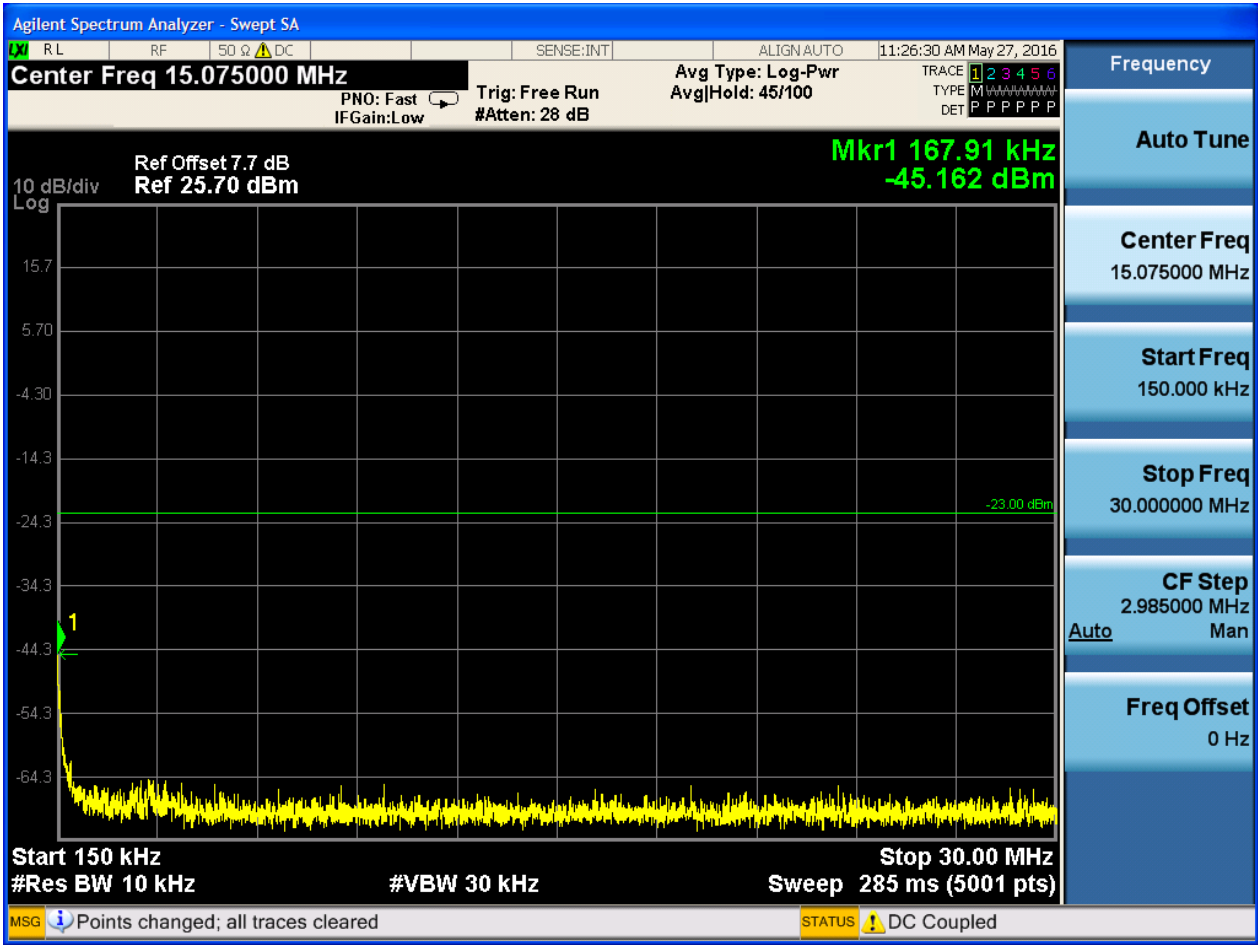


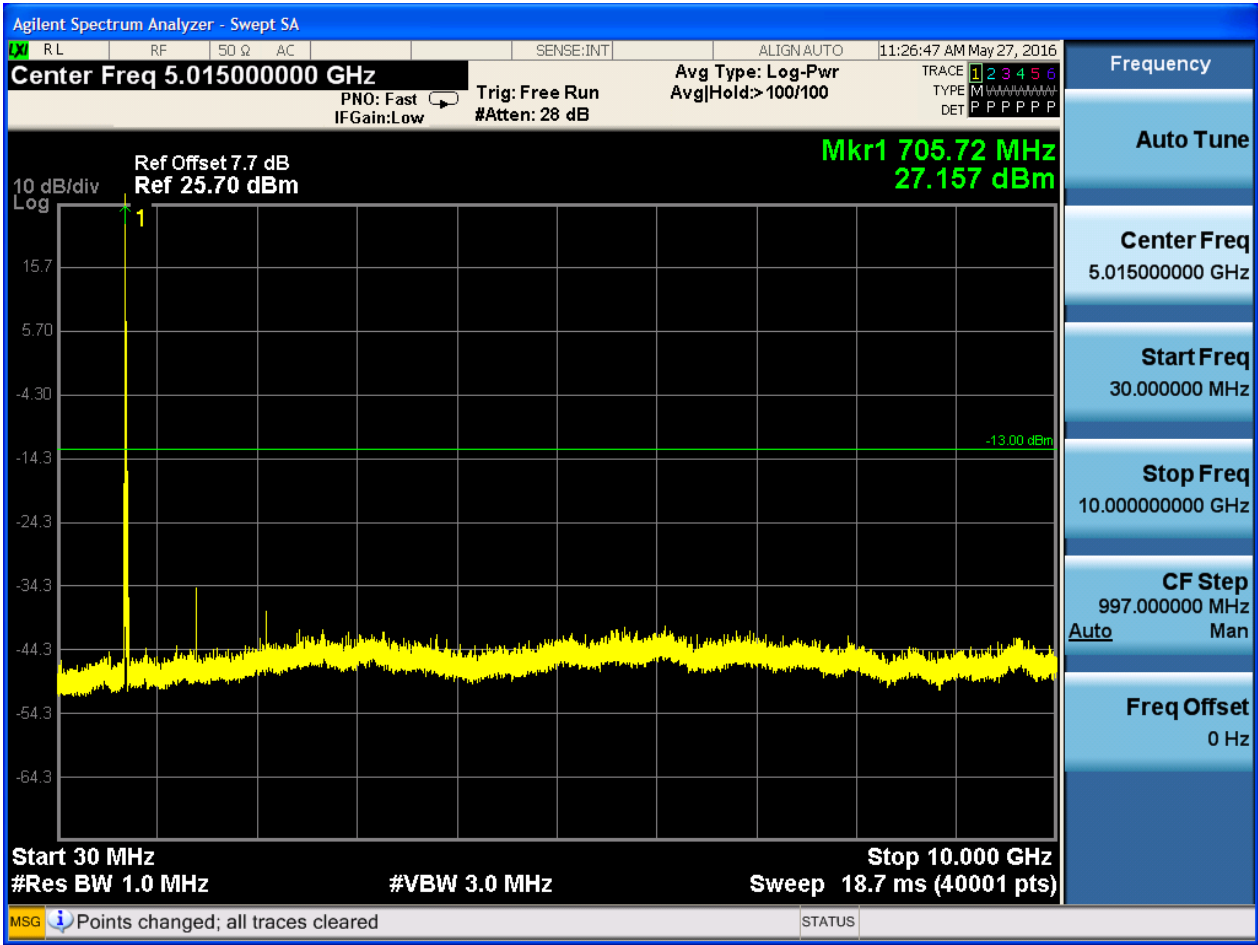


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



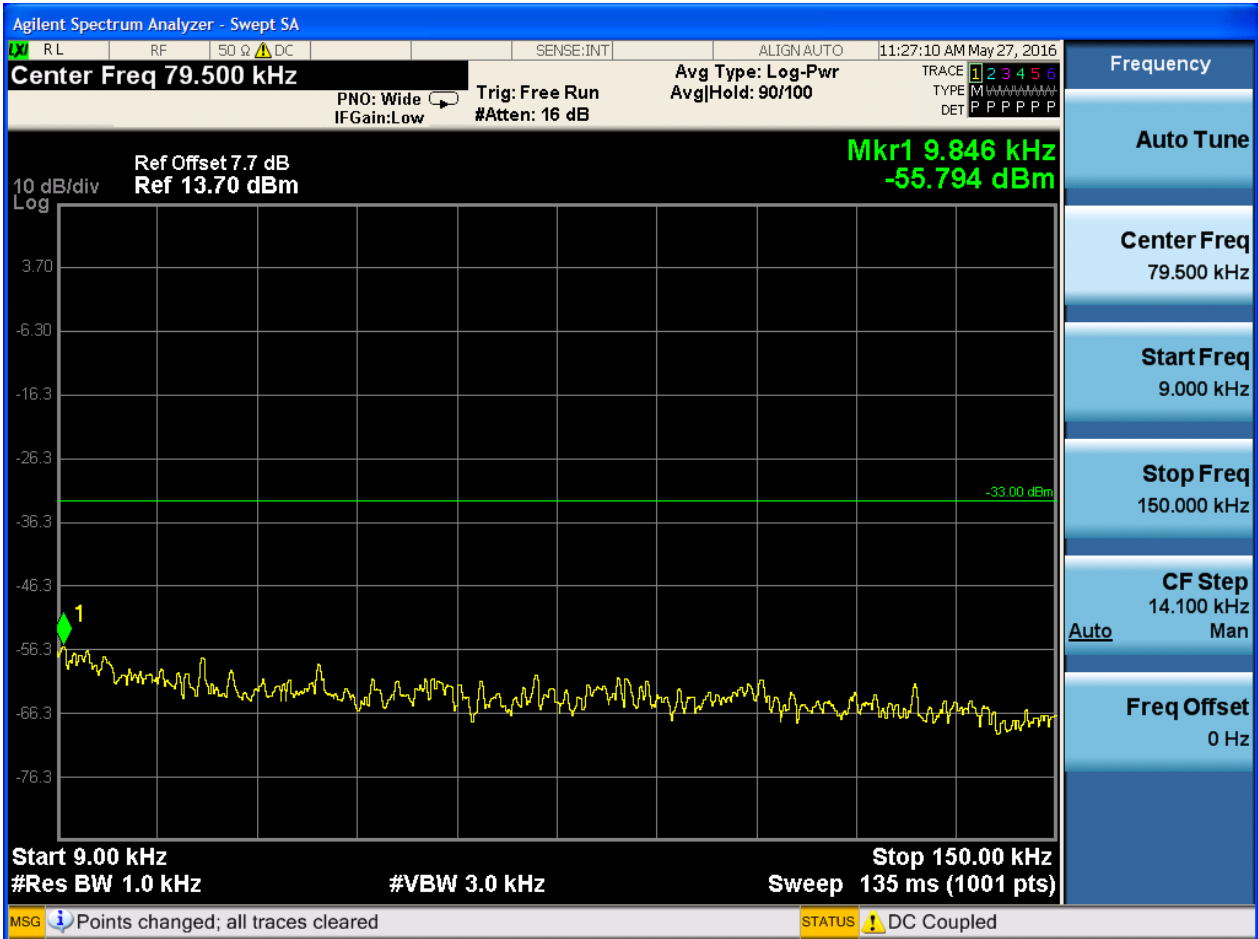


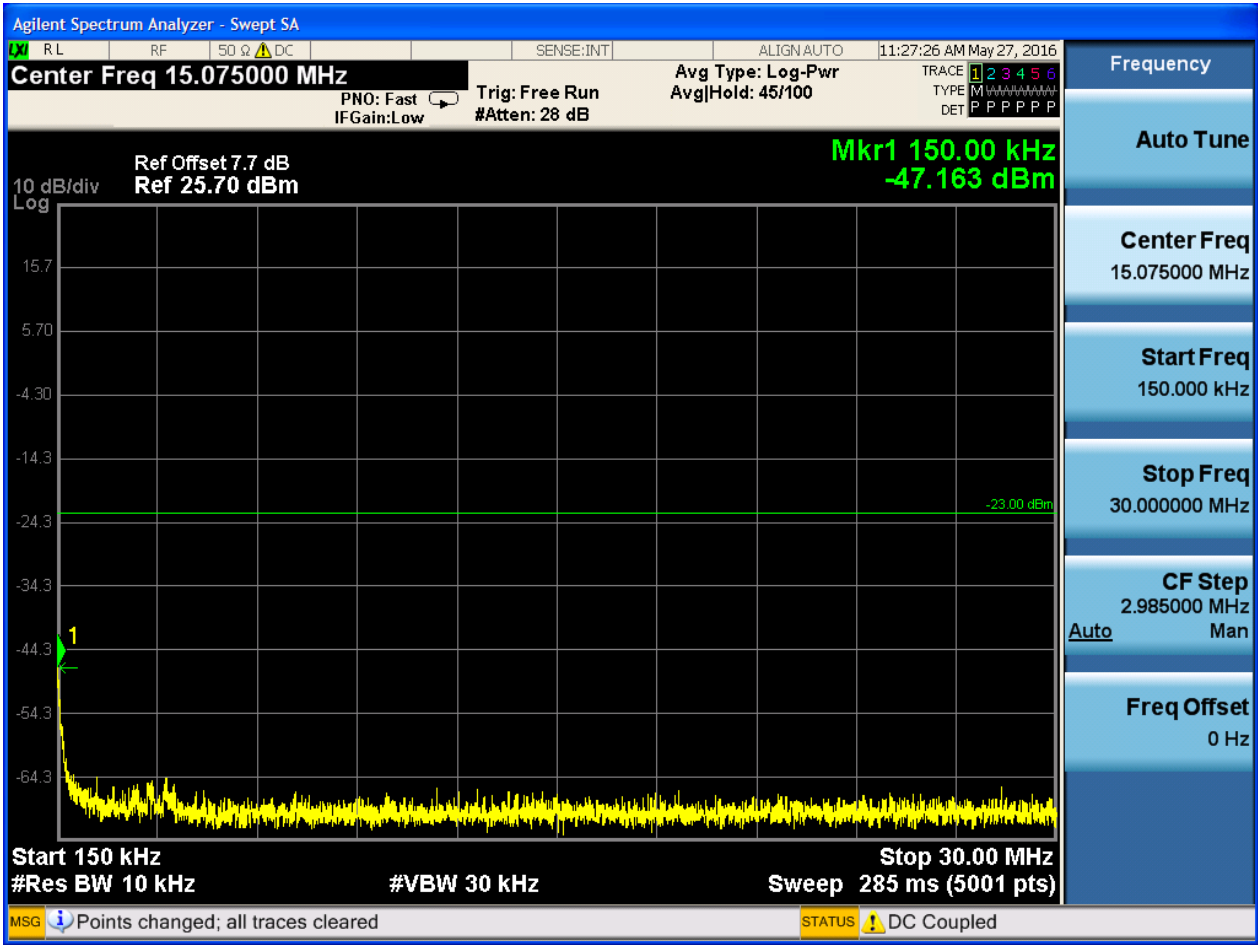


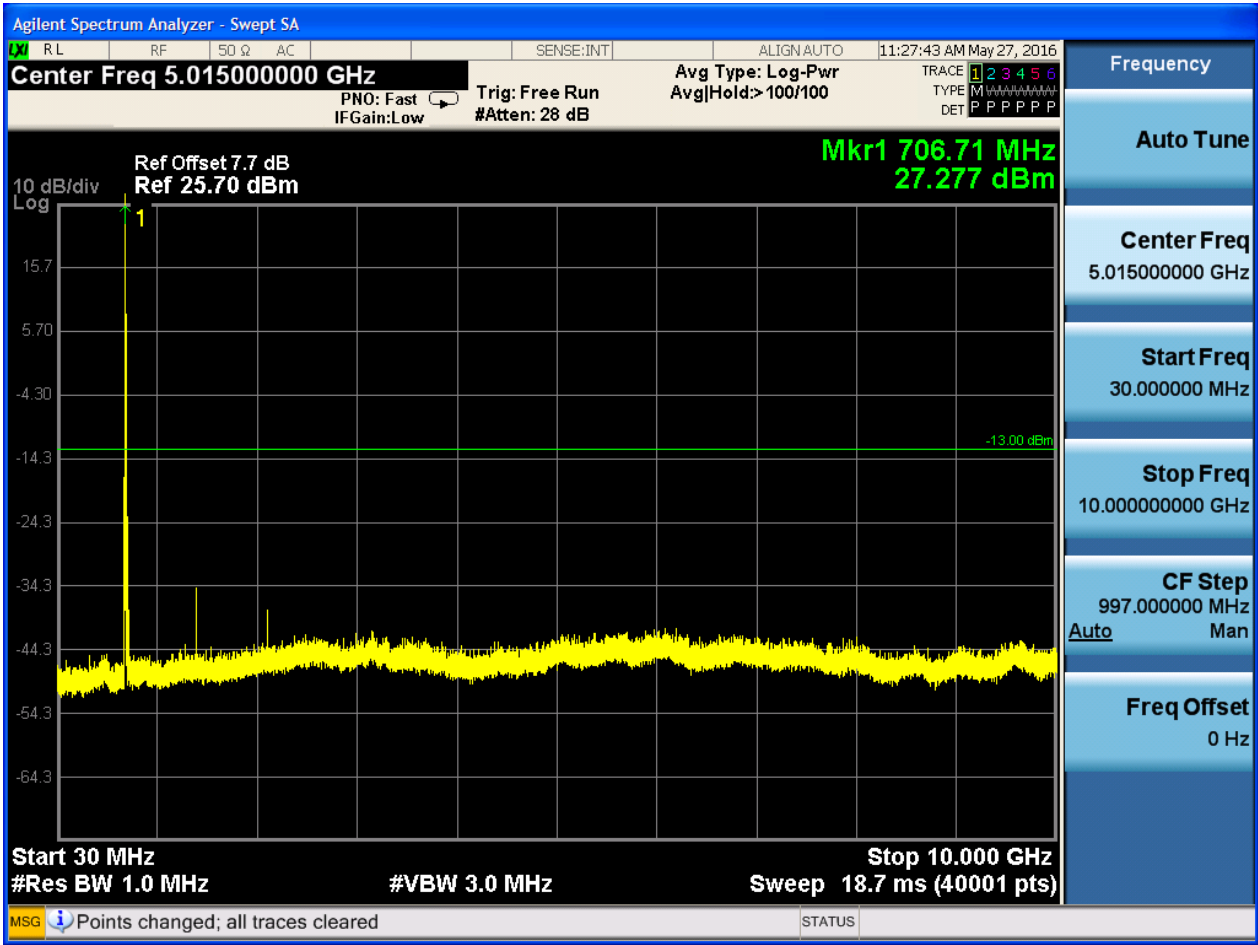


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

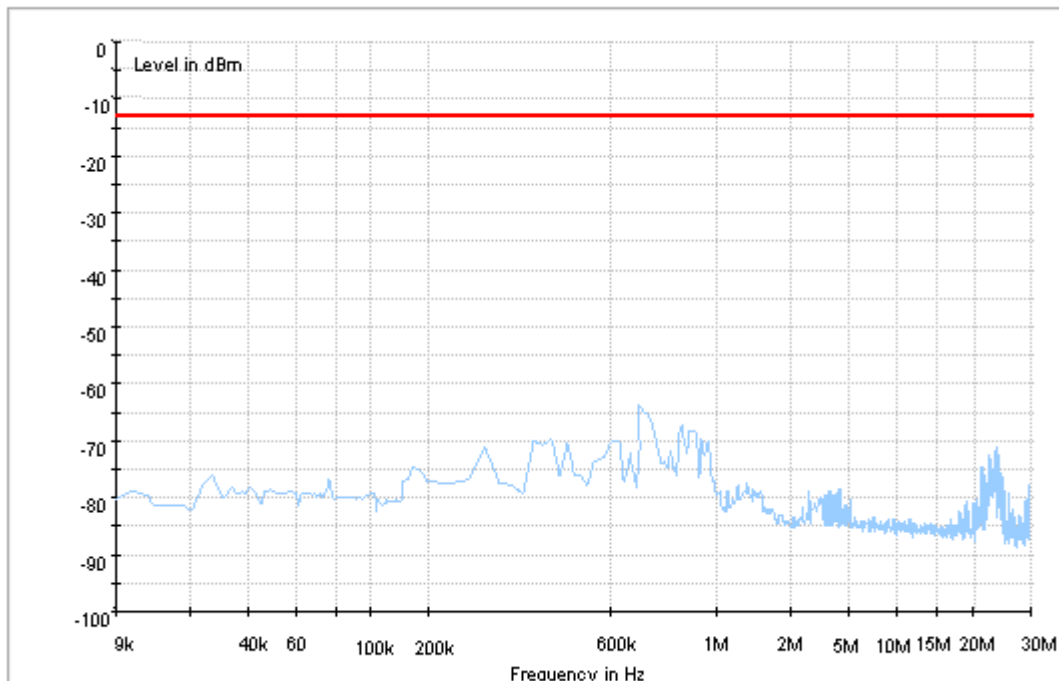
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

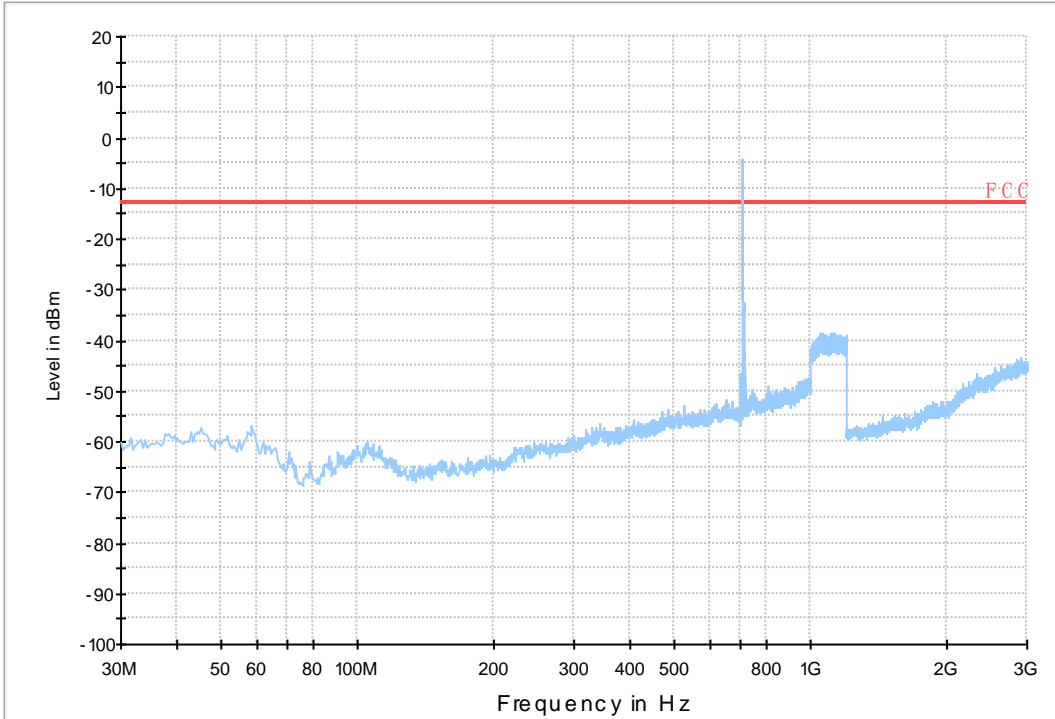
7.1 For LTE

7.1.1 Test Band = BAND17_Ant1

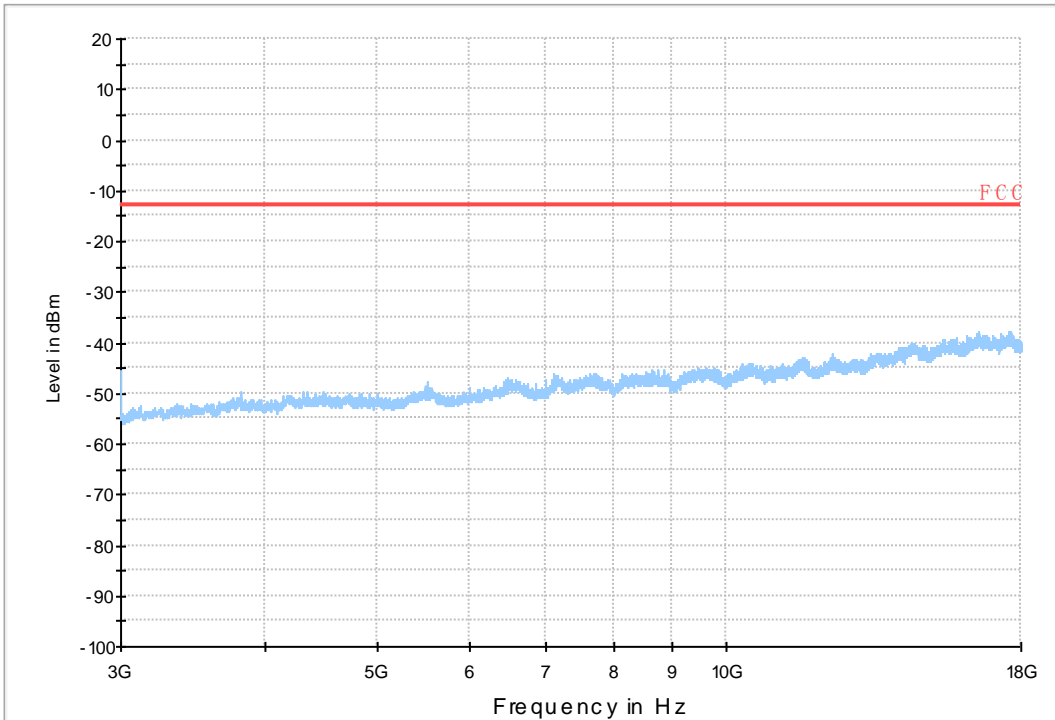
7.1.1.1 Test Bandwidth = 5



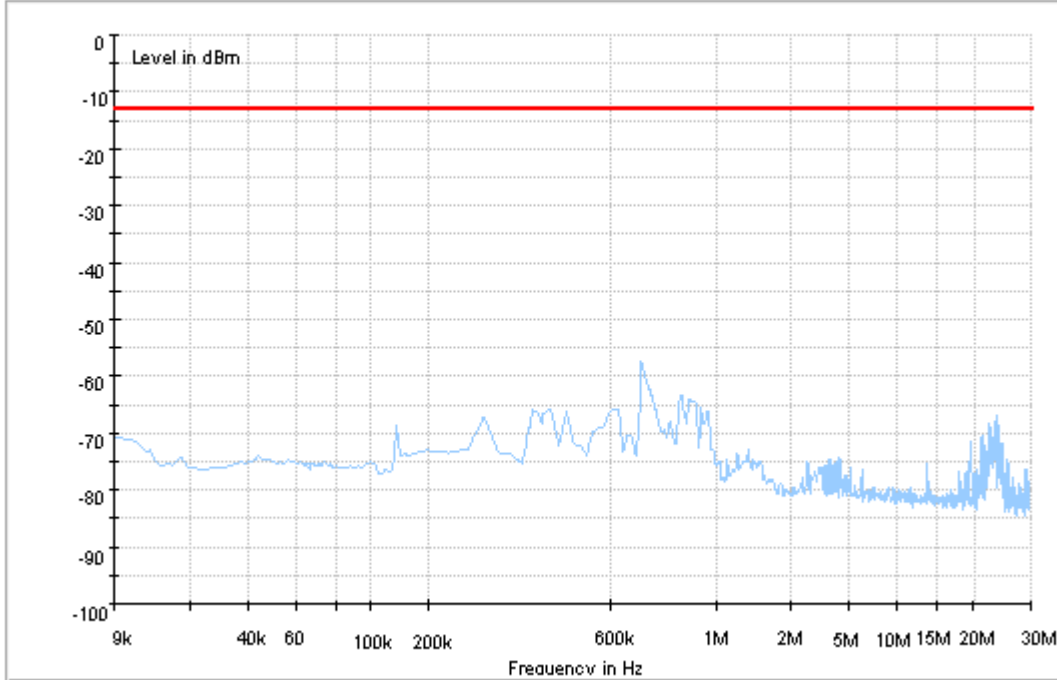
Copy of RSE-TX-DIRECTOR BELOW 1G_L



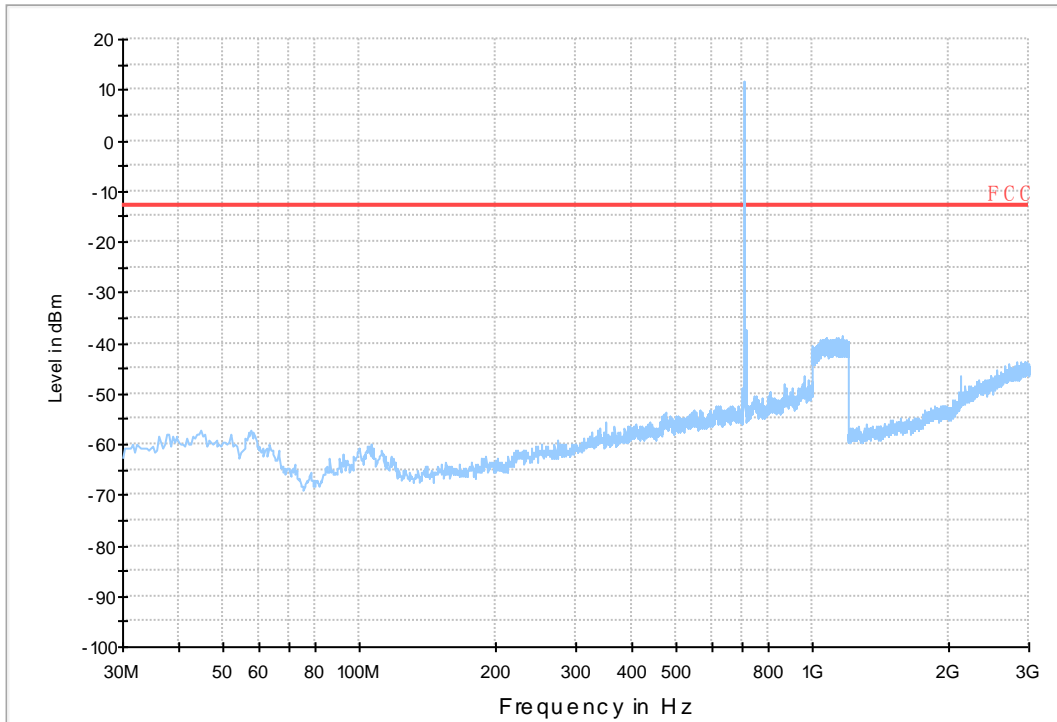
Copy of RSE-TX-DIRECTOR BELOW 1G_H



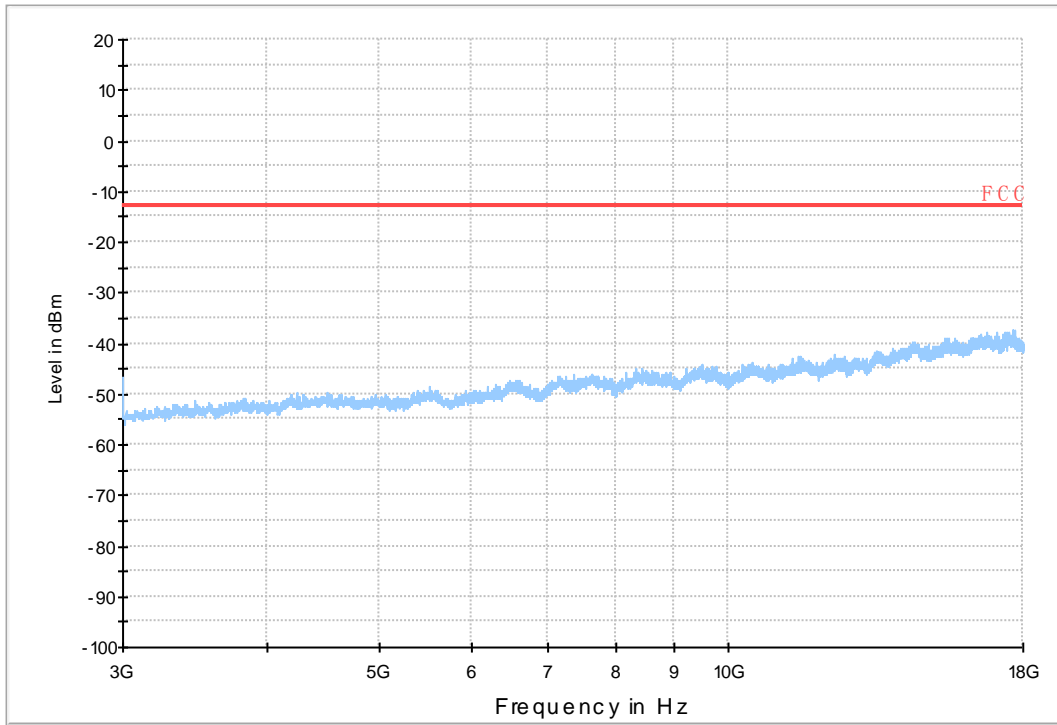
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

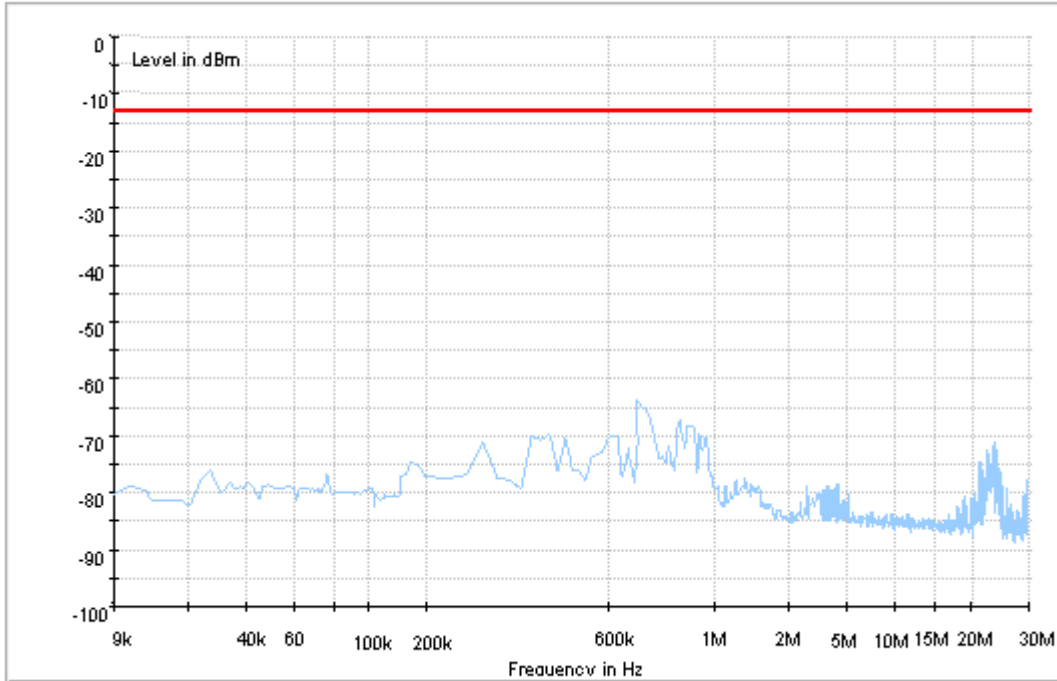


Copy of RSE-TX-DIRECTOR BELOW 1G_H

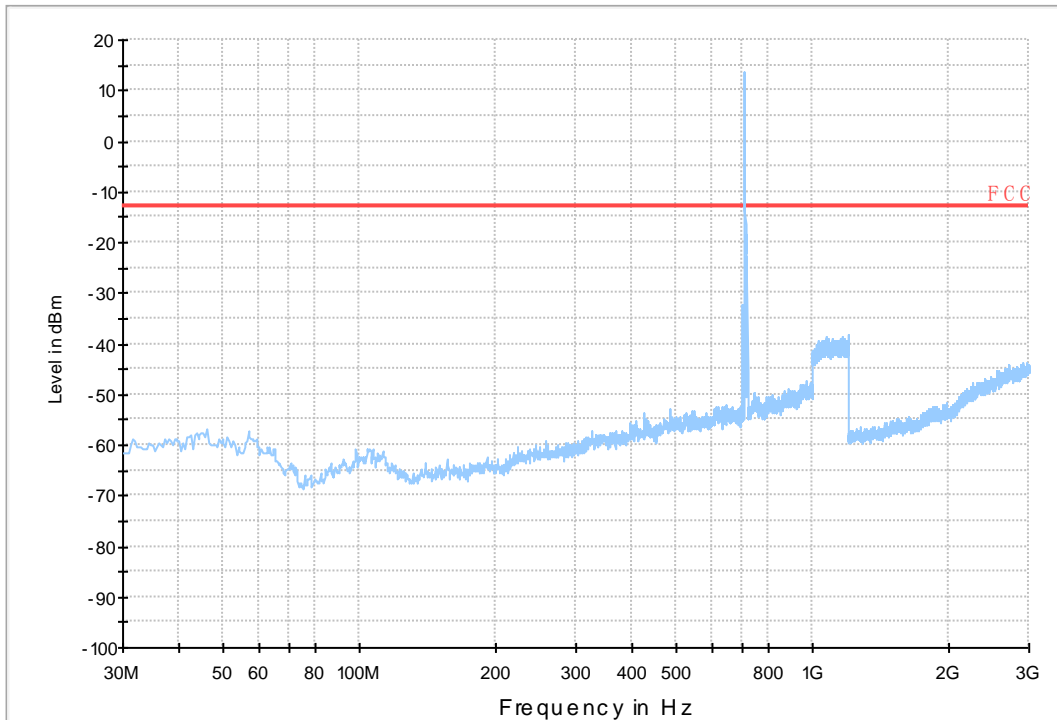


7.1.2 Test Band = BAND17_Ant2

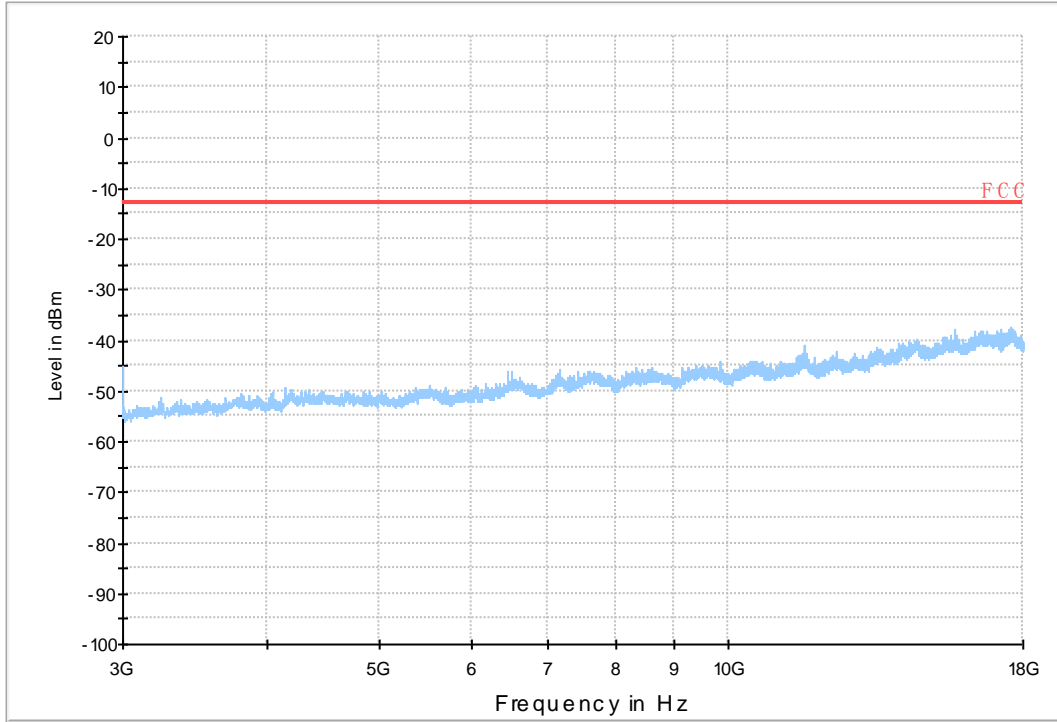
7.1.2.1 Test Bandwidth = 5



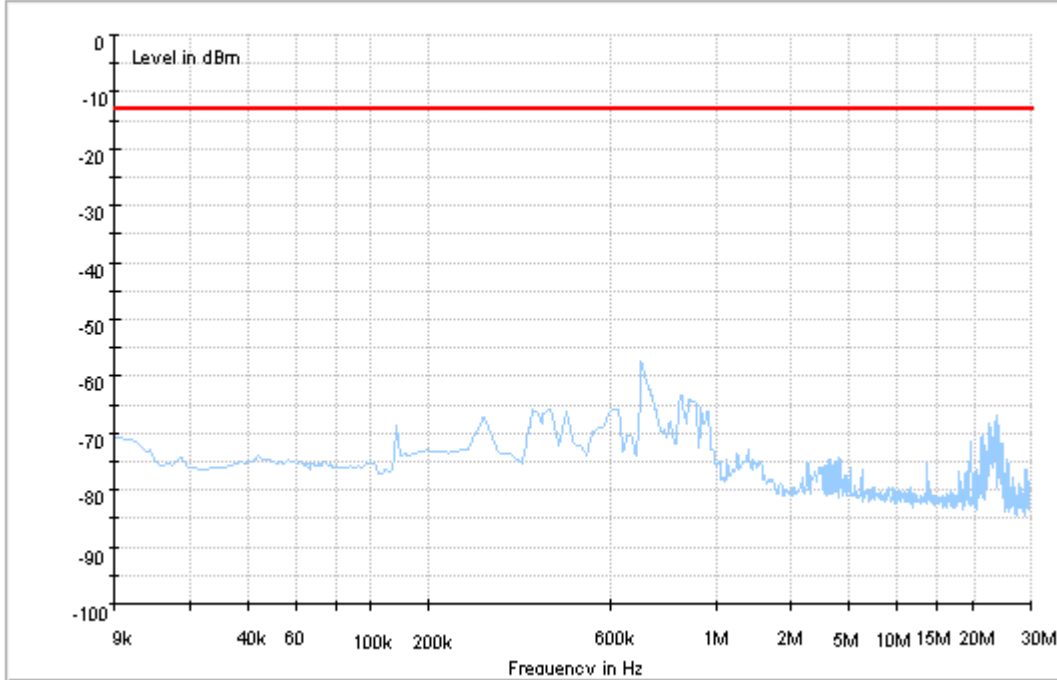
Copy of RSE-TX-DIRECTOR BELOW 1G_L



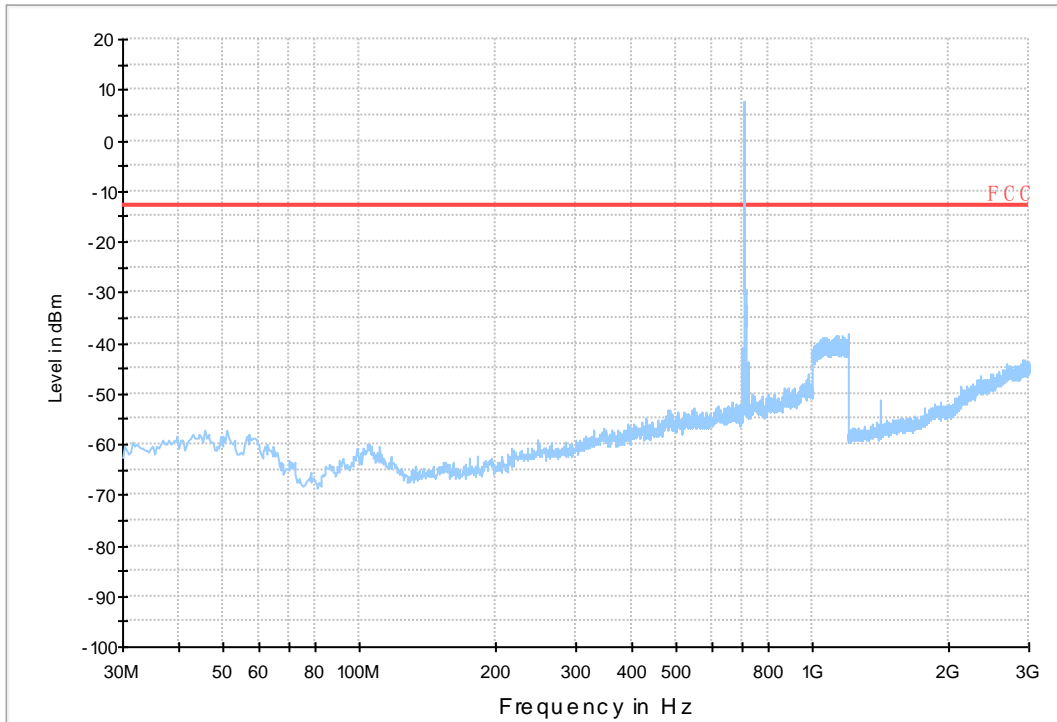
Copy of RSE-TX-DIRECTOR BELOW 1G_H



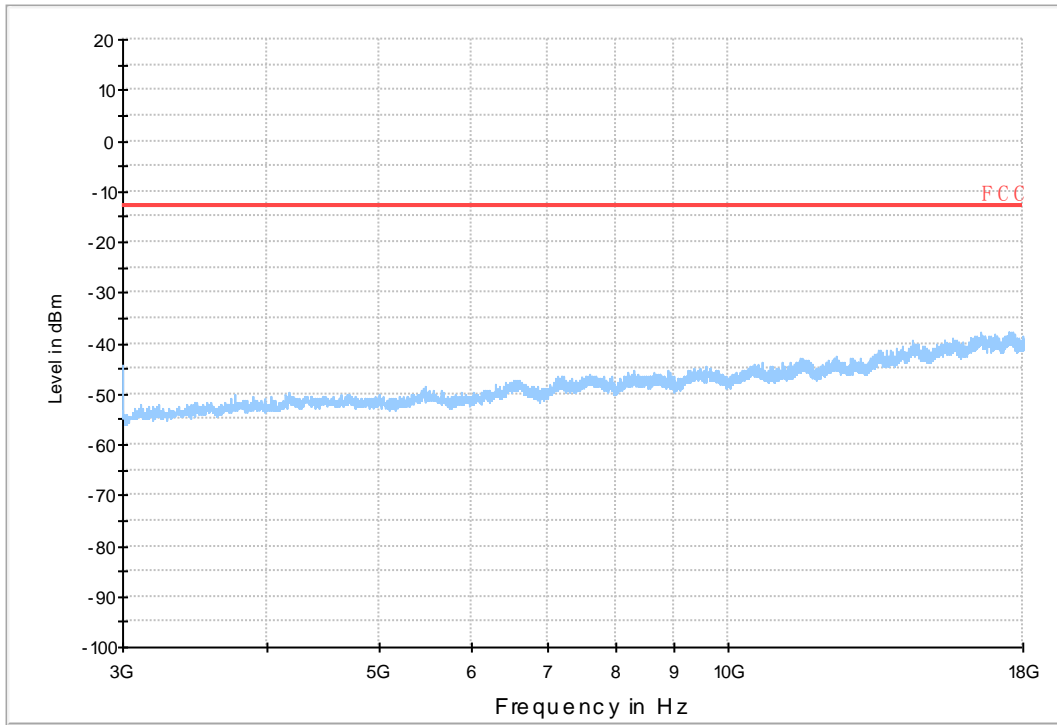
7.1.2.2 Test Bandwidth = 10



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	-1.46	-0.00207	PASS
					VN	1.87	0.00265	PASS
					VH	-2.16	-0.00306	PASS
			MCH	TN	VL	0.07	0.0001	PASS
					VN	0.76	0.00107	PASS
					VH	-0.26	-0.00037	PASS
		HCH	TN	VL	0.44	0.00062	PASS	
				VN	-2.66	-0.00373	PASS	
				VH	-1.99	-0.00279	PASS	
		10	LCH	TN	VL	-0.51	-0.00072	PASS
					VN	1.65	0.00233	PASS
					VH	-2.03	-0.00286	PASS
	MCH		TN	VL	-1.04	-0.00146	PASS	
				VN	-2.06	-0.0029	PASS	
				VH	-0.01	-0.00001	PASS	
	HCH	TN	VL	-2.75	-0.00387	PASS		
			VN	0.07	0.0001	PASS		
			VH	-0.96	-0.00135	PASS		
	LTE/TM2	5	LCH	TN	VL	-1.85	-0.00262	PASS
					VN	-1.76	-0.00249	PASS
					VH	-3.02	-0.00427	PASS
			MCH	TN	VL	0.01	0.00001	PASS
					VN	1.96	0.00276	PASS
					VH	0.99	0.00139	PASS
HCH		TN	VL	-2.43	-0.00341	PASS		
			VN	0.23	0.00032	PASS		
			VH	-1.56	-0.00219	PASS		
10		LCH	TN	VL	-2.49	-0.00351	PASS	
				VN	-2.62	-0.0037	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-0.87	-0.00123	PASS
			MCH	TN	VL	-0.96	-0.00135	PASS
					VN	-0.4	-0.00056	PASS
					VH	0.06	0.00008	PASS
			HCH	TN	VL	0.51	0.00072	PASS
					VN	-1.33	-0.00187	PASS
					VH	4.16	0.00585	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	1.26	0.00178	PASS
					-20	-1.76	-0.00249	PASS
					-10	-2.17	-0.00307	PASS
					0	-4.45	-0.0063	PASS
					10	1.12	0.00159	PASS
					20	4.03	0.0057	PASS
					30	-2.68	-0.00379	PASS
					40	-1.93	-0.00273	PASS
			MCH	VN	-30	0.4	0.00056	PASS
					-20	-3.45	-0.00486	PASS
					-10	0.77	0.00108	PASS
					0	-1.96	-0.00276	PASS
					10	-1.09	-0.00154	PASS
					20	-0.94	-0.00132	PASS
					30	-2.32	-0.00327	PASS
					40	-1.82	-0.00256	PASS
			HCH	VN	-30	-0.94	-0.00132	PASS
					-20	-4.68	-0.00656	PASS
					-10	-2.6	-0.00364	PASS
					0	0.8	0.00112	PASS
					10	-1.24	-0.00174	PASS
					20	1.93	0.0027	PASS
					30	-1.03	-0.00144	PASS
					40	-0.01	-0.00001	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	50	-2.69	-0.00377	PASS
					-30	-3.76	-0.0053	PASS
					-20	0.16	0.00023	PASS
					-10	1.02	0.00144	PASS
					0	0.44	0.00062	PASS
					10	2.76	0.00389	PASS
					20	-0.33	-0.00047	PASS
					30	0.59	0.00083	PASS
					40	0.74	0.00104	PASS
			50	3.92	0.00553	PASS		
			MCH	VN	-30	1	0.00141	PASS
					-20	-1.59	-0.00224	PASS
					-10	2.66	0.00375	PASS
					0	-0.7	-0.00099	PASS
					10	-0.01	-0.00001	PASS
					20	-1.75	-0.00246	PASS
					30	-0.14	-0.0002	PASS
					40	-1.67	-0.00235	PASS
			HCH	VN	50	-1.2	-0.00169	PASS
					-30	-0.33	-0.00046	PASS
					-20	0.89	0.00125	PASS
					-10	-0.43	-0.0006	PASS
					0	-0.69	-0.00097	PASS
					10	-0.14	-0.0002	PASS
	20	1.07			0.0015	PASS		
	LTE/TM2	LCH	VN	-30	1.72	0.00243	PASS	
				-20	-0.8	-0.00113	PASS	
				-10	2.7	0.00382	PASS	
				0	1.26	0.00178	PASS	
				10	0.56	0.00079	PASS	
				20	-0.73	-0.00103	PASS	
				30	-0.8	-0.00113	PASS	
				40	-0.19	-0.00027	PASS	
50				0.24	0.00034	PASS		
MCH		VN	-30	-0.87	-0.00123	PASS		
			-20	-2.68	-0.00377	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-3.69	-0.0052	PASS		
					0	-0.62	-0.00087	PASS		
					10	-0.53	-0.00075	PASS		
					20	-0.63	-0.00089	PASS		
					30	-1	-0.00141	PASS		
					40	-0.24	-0.00034	PASS		
					50	0.14	0.0002	PASS		
					HCH	VN	-30	-1.53	-0.00214	PASS
							-20	0.31	0.00043	PASS
							-10	0.82	0.00115	PASS
							0	-1.46	-0.00205	PASS
							10	-0.24	-0.00034	PASS
							20	0.79	0.00111	PASS
							30	2.16	0.00303	PASS
							40	0.09	0.00013	PASS
		50	-2.09	-0.00293			PASS			
		LCH	VN	-30			-0.41	-0.00058	PASS	
				-20			-1.3	-0.00183	PASS	
				-10			2.1	0.00296	PASS	
				0			-1.27	-0.00179	PASS	
				10			0.89	0.00126	PASS	
				20			0.03	0.00004	PASS	
				30	-1.69	-0.00238	PASS			
				40	-0.49	-0.00069	PASS			
				50	-0.21	-0.0003	PASS			
				MCH	VN	-30	-0.72	-0.00101	PASS	
						-20	0.51	0.00072	PASS	
						-10	2.56	0.00361	PASS	
						0	1.72	0.00242	PASS	
						10	1.73	0.00244	PASS	
						20	1.16	0.00163	PASS	
		30	0.69			0.00097	PASS			
		40	-2.06			-0.0029	PASS			
		50	-0.6			-0.00085	PASS			
		HCH	VN	-30	-0.41	-0.00058	PASS			
				-20	1.12	0.00158	PASS			
				-10	-0.51	-0.00072	PASS			
				0	-0.9	-0.00127	PASS			
				10	-2.02	-0.00284	PASS			
		10					-30	-0.41	-0.00058	PASS
-20	-1.3						-0.00183	PASS		
-10	2.1						0.00296	PASS		
0	-1.27						-0.00179	PASS		
10	0.89						0.00126	PASS		
20	0.03						0.00004	PASS		
30	-1.69						-0.00238	PASS		
40	-0.49						-0.00069	PASS		
50	-0.21						-0.0003	PASS		
-30	-0.72						-0.00101	PASS		
-20	0.51						0.00072	PASS		
-10	2.56						0.00361	PASS		
0	1.72						0.00242	PASS		
10	1.73						0.00244	PASS		
20	1.16						0.00163	PASS		
30	0.69	0.00097	PASS							
40	-2.06	-0.0029	PASS							
50	-0.6	-0.00085	PASS							
-30	-0.41	-0.00058	PASS							
-20	1.12	0.00158	PASS							
-10	-0.51	-0.00072	PASS							
0	-0.9	-0.00127	PASS							
10	-2.02	-0.00284	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-0.8	-0.00113	PASS
					30	0.7	0.00098	PASS
					40	2.23	0.00314	PASS
					50	-1.5	-0.00211	PASS

END