



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	22.49	11.65	34.7	PASS
				RB1#13	23.07	12.45	34.7	PASS
				RB1#24	22.49	11.75	34.7	PASS
				RB12#0	21.77	11.17	34.7	PASS
				RB12#6	21.89	11.30	34.7	PASS
				RB12#13	21.67	10.84	34.7	PASS
				RB25#0	21.69	10.87	34.7	PASS
			MCH	RB1#0	22.65	12.04	34.7	PASS
				RB1#13	22.93	12.27	34.7	PASS
				RB1#24	22.49	11.62	34.7	PASS
				RB12#0	21.79	10.98	34.7	PASS
				RB12#6	21.86	11.24	34.7	PASS
				RB12#13	21.57	10.86	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB25#0	21.68	10.79	34.7	PASS	
			HCH	RB1#0	22.51	11.95	34.7	PASS	
				RB1#13	22.93	12.06	34.7	PASS	
				RB1#24	22.51	11.96	34.7	PASS	
				RB12#0	21.78	10.91	34.7	PASS	
				RB12#6	21.88	11.29	34.7	PASS	
				RB12#13	21.7	10.78	34.7	PASS	
				RB25#0	21.73	11.18	34.7	PASS	
		10	LCH	RB1#0	22.13	11.46	34.7	PASS	
				RB1#25	22.97	12.10	34.7	PASS	
				RB1#49	21.99	11.35	34.7	PASS	
				RB25#0	21.51	10.80	34.7	PASS	
				RB25#13	21.68	11.05	34.7	PASS	
				RB25#25	21.38	10.70	34.7	PASS	
				RB50#0	21.45	10.73	34.7	PASS	
				MCH	RB1#0	22.14	11.44	34.7	PASS
					RB1#25	22.88	12.16	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict		
				RB1#49	21.93	10.98	34.7	PASS		
				RB25#0	21.48	10.71	34.7	PASS		
				RB25#13	21.65	10.96	34.7	PASS		
				RB25#25	21.38	10.82	34.7	PASS		
				RB50#0	21.41	10.57	34.7	PASS		
			HCH	RB1#0	22.23	11.44	34.7	PASS		
				RB1#25	22.89	11.99	34.7	PASS		
				RB1#49	22.03	11.38	34.7	PASS		
				RB25#0	21.51	10.72	34.7	PASS		
				RB25#13	21.65	10.74	34.7	PASS		
				RB25#25	21.36	10.60	34.7	PASS		
				RB50#0	21.45	10.66	34.7	PASS		
			LTE/TM2	5	LCH	RB1#0	21.38	10.46	34.7	PASS
						RB1#13	21.88	11.23	34.7	PASS
						RB1#24	21.38	10.78	34.7	PASS
RB12#0	21.62	10.98				34.7	PASS			
RB12#6	21.76	10.99				34.7	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict			
				RB12#13	21.55	10.62	34.7	PASS			
				RB25#0	21.58	10.84	34.7	PASS			
			MCH	RB1#0	21.57	10.98	34.7	PASS			
				RB1#13	21.85	11.12	34.7	PASS			
				RB1#24	21.35	10.64	34.7	PASS			
				RB12#0	21.66	11.08	34.7	PASS			
				RB12#6	21.74	10.93	34.7	PASS			
				RB12#13	21.52	10.68	34.7	PASS			
				RB25#0	21.59	10.71	34.7	PASS			
			HCH	RB1#0	21.64	11.03	34.7	PASS			
				RB1#13	21.99	11.42	34.7	PASS			
				RB1#24	21.68	10.83	34.7	PASS			
				RB12#0	21.69	11.14	34.7	PASS			
				RB12#6	21.76	11.18	34.7	PASS			
				RB12#13	21.57	10.66	34.7	PASS			
							RB25#0	21.59	11.00	34.7	PASS
					10	LCH	RB1#0	21.28	10.66	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.02	11.31	34.7	PASS
				RB1#49	21.08	10.38	34.7	PASS
				RB25#0	21.41	10.63	34.7	PASS
				RB25#13	21.58	10.81	34.7	PASS
				RB25#25	21.27	10.72	34.7	PASS
				RB50#0	21.38	10.56	34.7	PASS
			MCH	RB1#0	21.31	10.54	34.7	PASS
				RB1#25	22.04	11.46	34.7	PASS
				RB1#49	21.09	10.45	34.7	PASS
				RB25#0	21.42	10.63	34.7	PASS
				RB25#13	21.57	10.79	34.7	PASS
				RB25#25	21.29	10.42	34.7	PASS
				RB50#0	21.32	10.44	34.7	PASS
			HCH	RB1#0	21.3	10.43	34.7	PASS
				RB1#25	21.88	10.99	34.7	PASS
				RB1#49	21.1	10.22	34.7	PASS
				RB25#0	21.45	10.75	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.57	10.62	34.7	PASS
				RB25#25	21.27	10.61	34.7	PASS
				RB50#0	21.36	10.49	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 exceed 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	5.42	13	PASS
				RB1#13	5.3	13	PASS
				RB1#24	5.5	13	PASS
				RB12#0	5.81	13	PASS
				RB12#6	5.71	13	PASS
				RB12#13	5.84	13	PASS
				RB25#0	6.17	13	PASS
			MCH	RB1#0	5.32	13	PASS
				RB1#13	5.08	13	PASS
				RB1#24	5.04	13	PASS
				RB12#0	5.75	13	PASS
				RB12#6	5.55	13	PASS
				RB12#13	5.69	13	PASS
				RB25#0	6.08	13	PASS
		HCH	RB1#0	5.04	13	PASS	
			RB1#13	4.56	13	PASS	
			RB1#24	4.55	13	PASS	
			RB12#0	5.42	13	PASS	
			RB12#6	5.13	13	PASS	
			RB12#13	5.09	13	PASS	
			RB25#0	5.62	13	PASS	
		10	LCH	RB1#0	5.35	13	PASS
				RB1#25	5.12	13	PASS
				RB1#49	5.01	13	PASS
				RB25#0	6.13	13	PASS
				RB25#13	5.91	13	PASS
				RB25#25	5.83	13	PASS
				RB50#0	6.03	13	PASS
MCH	RB1#0		5.51	13	PASS		
RB1#25	5.09	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict			
				RB1#49	4.92	13	PASS			
				RB25#0	6.05	13	PASS			
				RB25#13	5.79	13	PASS			
				RB25#25	5.72	13	PASS			
				RB50#0	6.02	13	PASS			
			HCH	RB1#0	5.12	13	PASS			
				RB1#25	4.69	13	PASS			
				RB1#49	4.51	13	PASS			
				RB25#0	6.04	13	PASS			
				RB25#13	5.75	13	PASS			
				RB25#25	5.56	13	PASS			
						LCH	RB1#0	5.83	13	PASS
							RB1#13	5.82	13	PASS
							RB1#24	5.83	13	PASS
							RB12#0	6.04	13	PASS
	RB12#6	6.04					13	PASS		
	RB12#13	6.07					13	PASS		
	RB25#0	6.48					13	PASS		
	MCH	RB1#0	5.7	13	PASS					
		RB1#13	5.61	13	PASS					
		RB1#24	5.4	13	PASS					
		RB12#0	6.09	13	PASS					
		RB12#6	5.85	13	PASS					
		RB12#13	5.94	13	PASS					
		RB25#0	6.3	13	PASS					
	HCH	RB1#0	5.5	13	PASS					
		RB1#13	5.15	13	PASS					
		RB1#24	5.56	13	PASS					
		RB12#0	5.67	13	PASS					
		RB12#6	5.44	13	PASS					
RB12#13		5.36	13	PASS						
RB25#0		5.92	13	PASS						
10			LCH	RB1#0	5.25	13	PASS			
				RB1#25	5.43	13	PASS			
				RB1#49	4.86	13	PASS			
				RB25#0	6.34	13	PASS			
				RB25#13	6.17	13	PASS			
				RB25#25	6.16	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.65	13	PASS
			MCH	RB1#0	5.34	13	PASS
				RB1#25	5.53	13	PASS
				RB1#49	4.72	13	PASS
				RB25#0	6.35	13	PASS
				RB25#13	6.1	13	PASS
				RB25#25	5.94	13	PASS
				RB50#0	6.54	13	PASS
			HCH	RB1#0	5.29	13	PASS
				RB1#25	5.49	13	PASS
				RB1#49	4.96	13	PASS
				RB25#0	6.3	13	PASS
				RB25#13	6.01	13	PASS
				RB25#25	5.86	13	PASS
				RB50#0	6.48	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

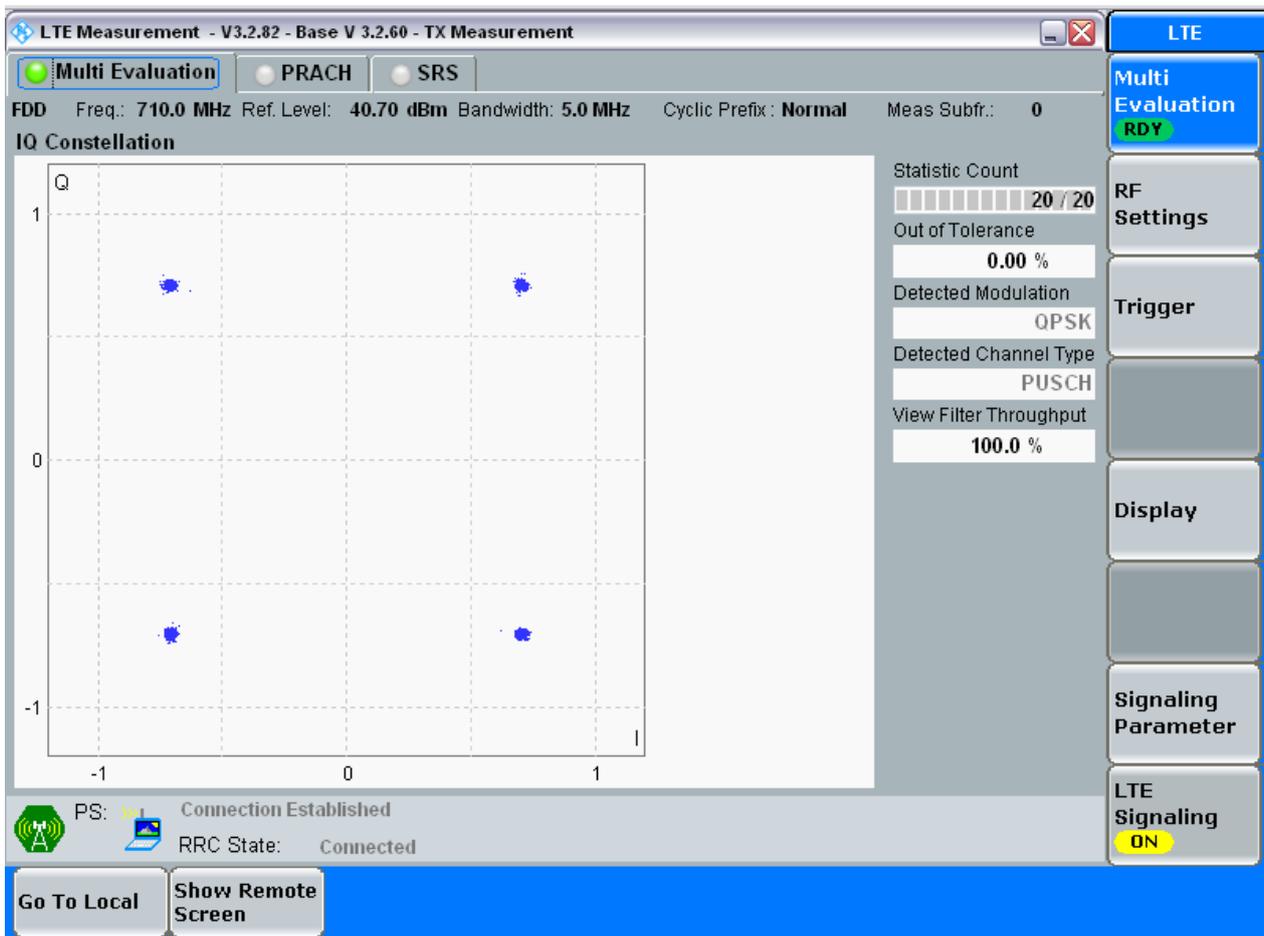
3.1.1 Test Band = BAND17

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

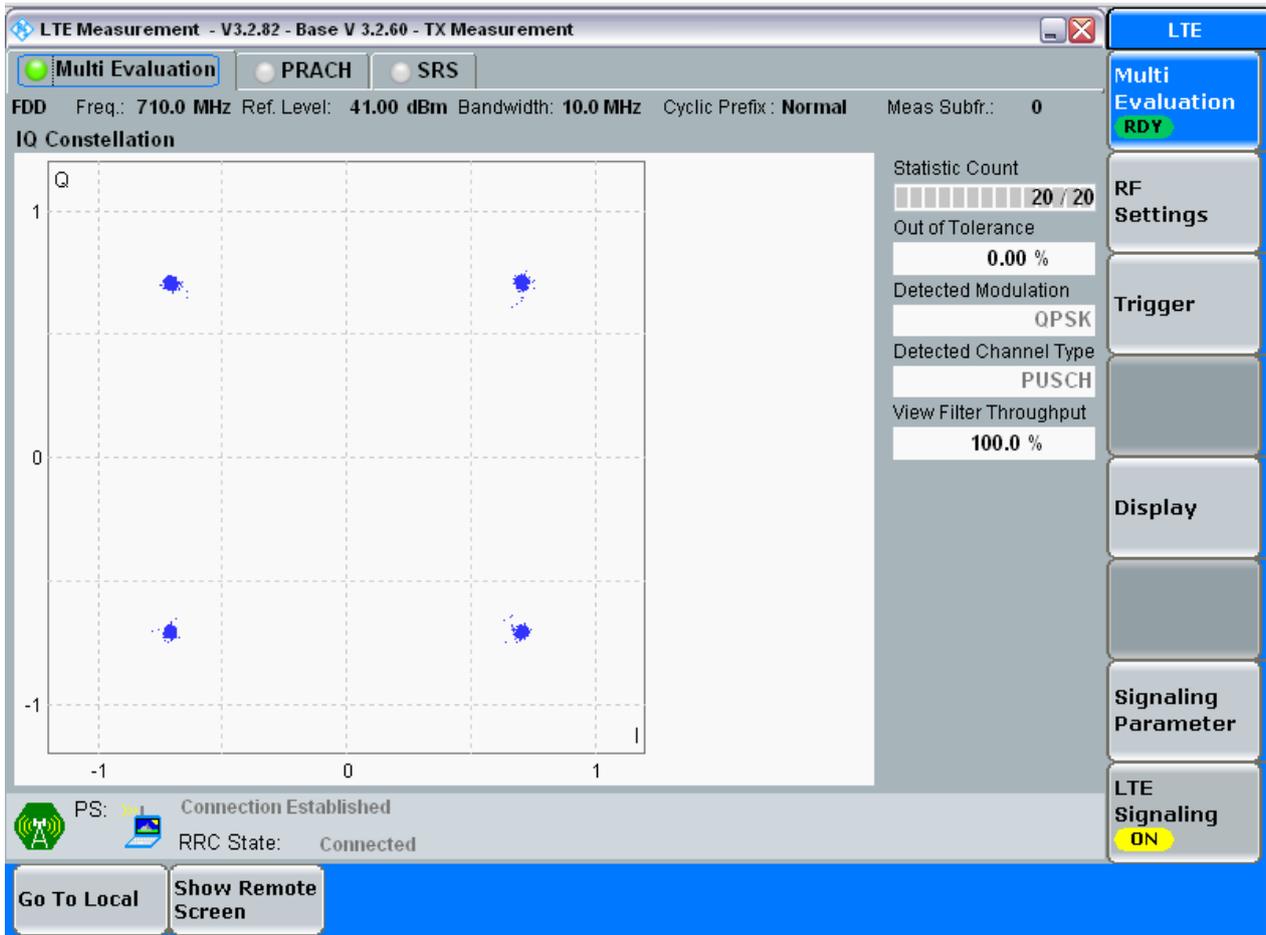
3.1.1.1.1.1.1 Test RB = RB25#0



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

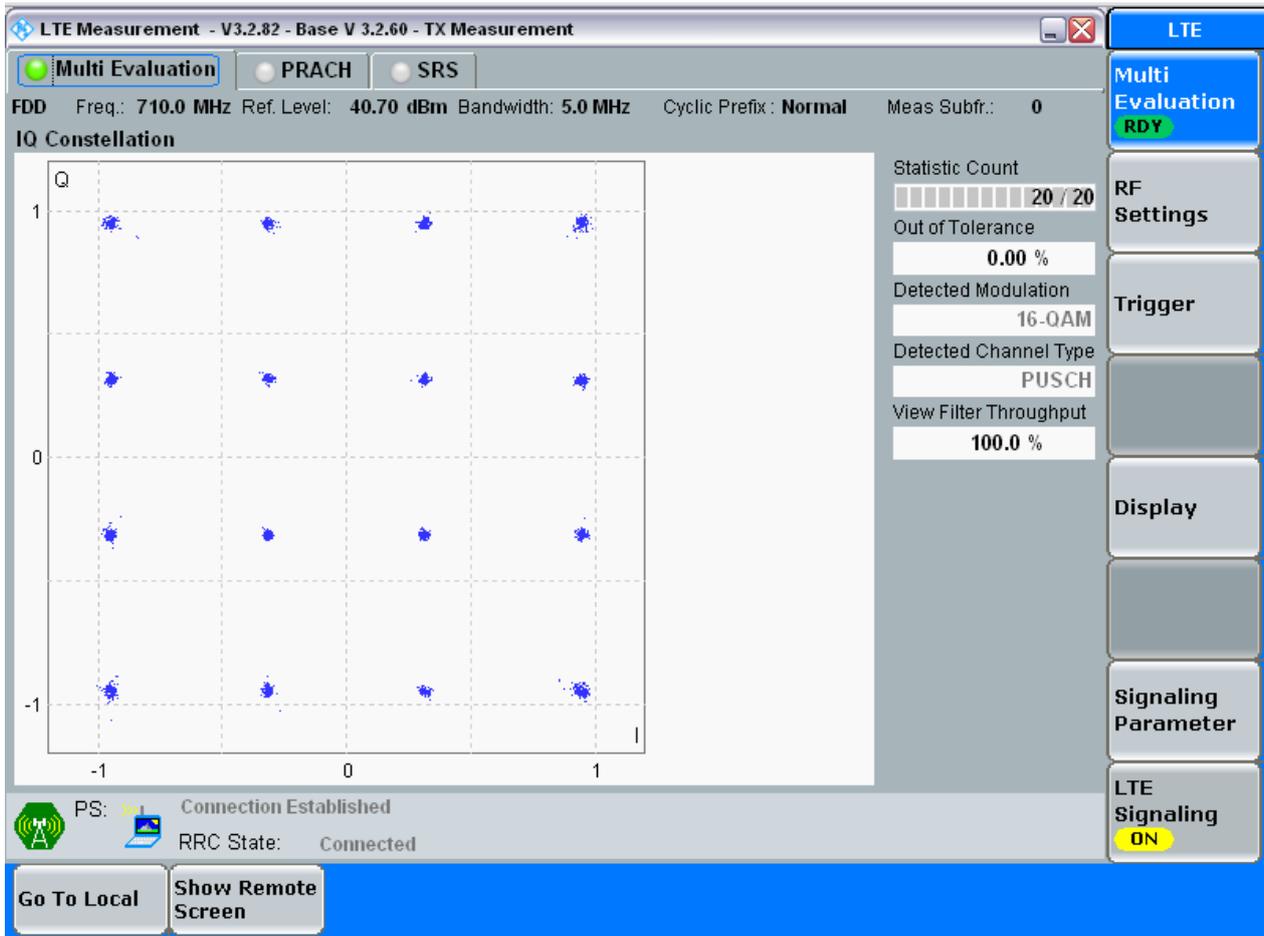


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

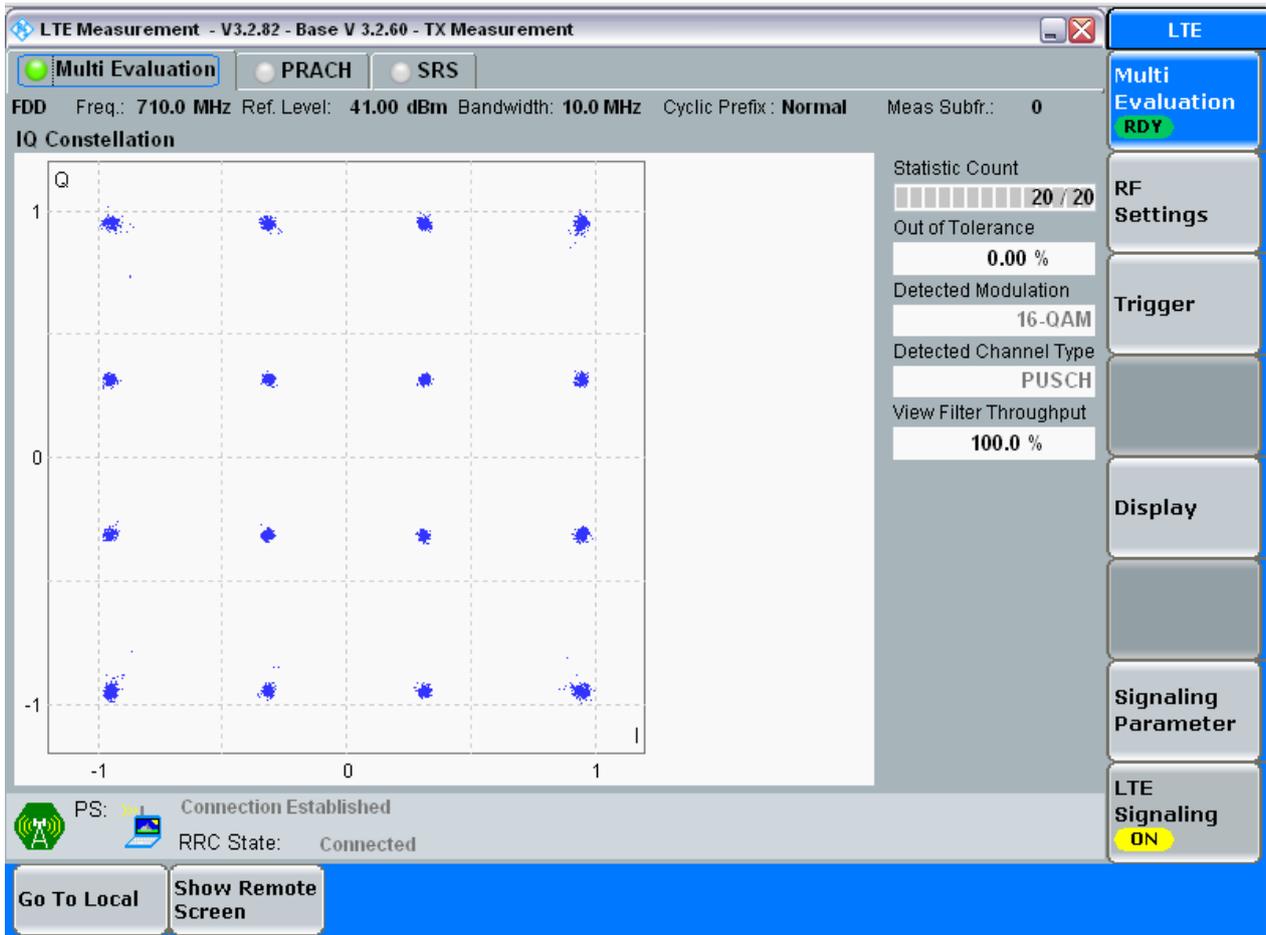
3.1.1.2.1.1.1 Test RB = RB25#0



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	4.50	4.88	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.50	4.85	Pass
		10	LCH	RB50#0	8.98	9.63	Pass
			MCH	RB50#0	8.98	9.62	Pass
			HCH	RB50#0	8.98	9.59	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.85	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.98	9.60	Pass
			MCH	RB50#0	8.97	9.61	Pass
			HCH	RB50#0	8.96	9.60	Pass



Part II - Test Plots

4.1 For LTE

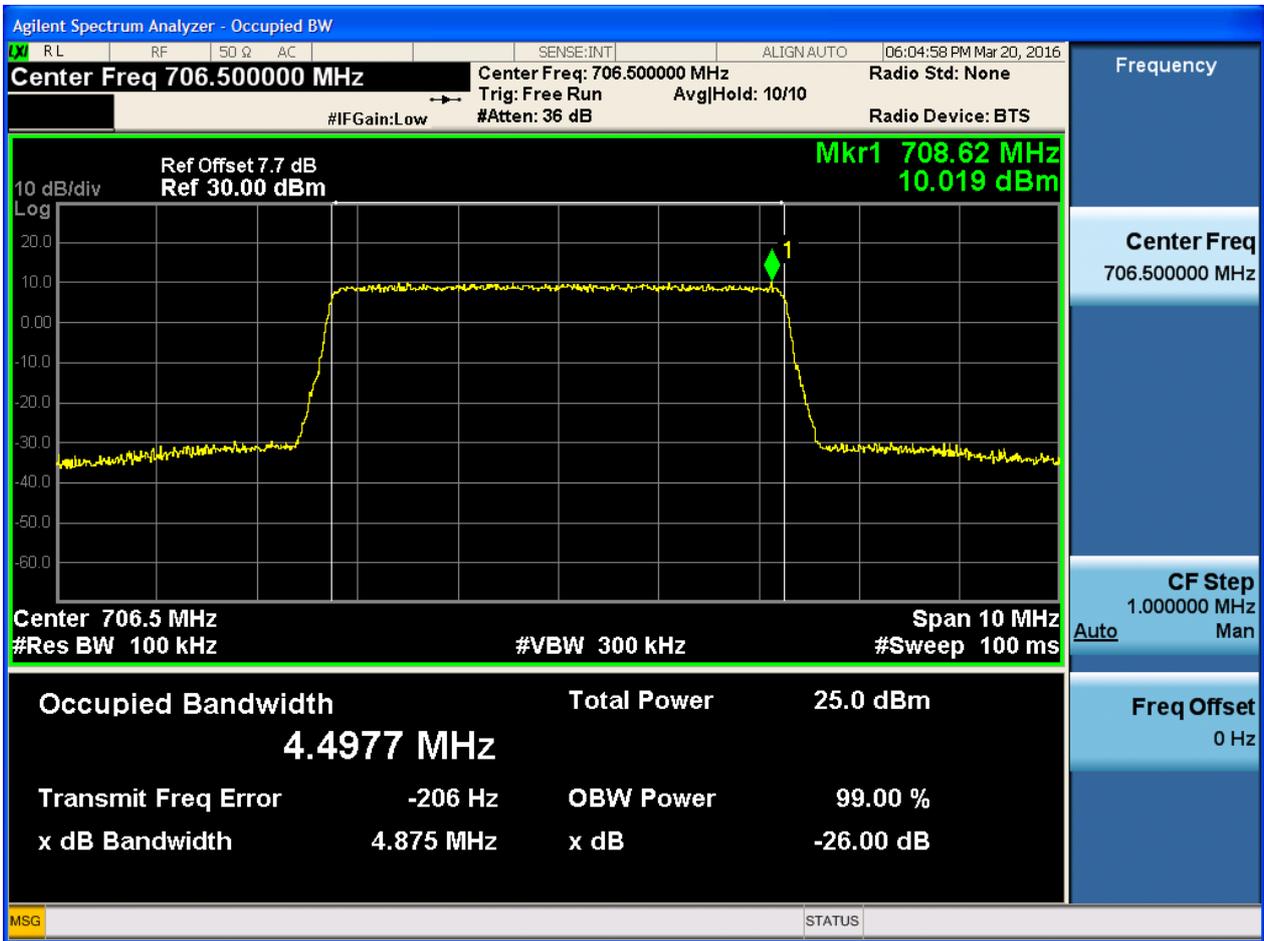
4.1.1 Test Band = BAND17

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

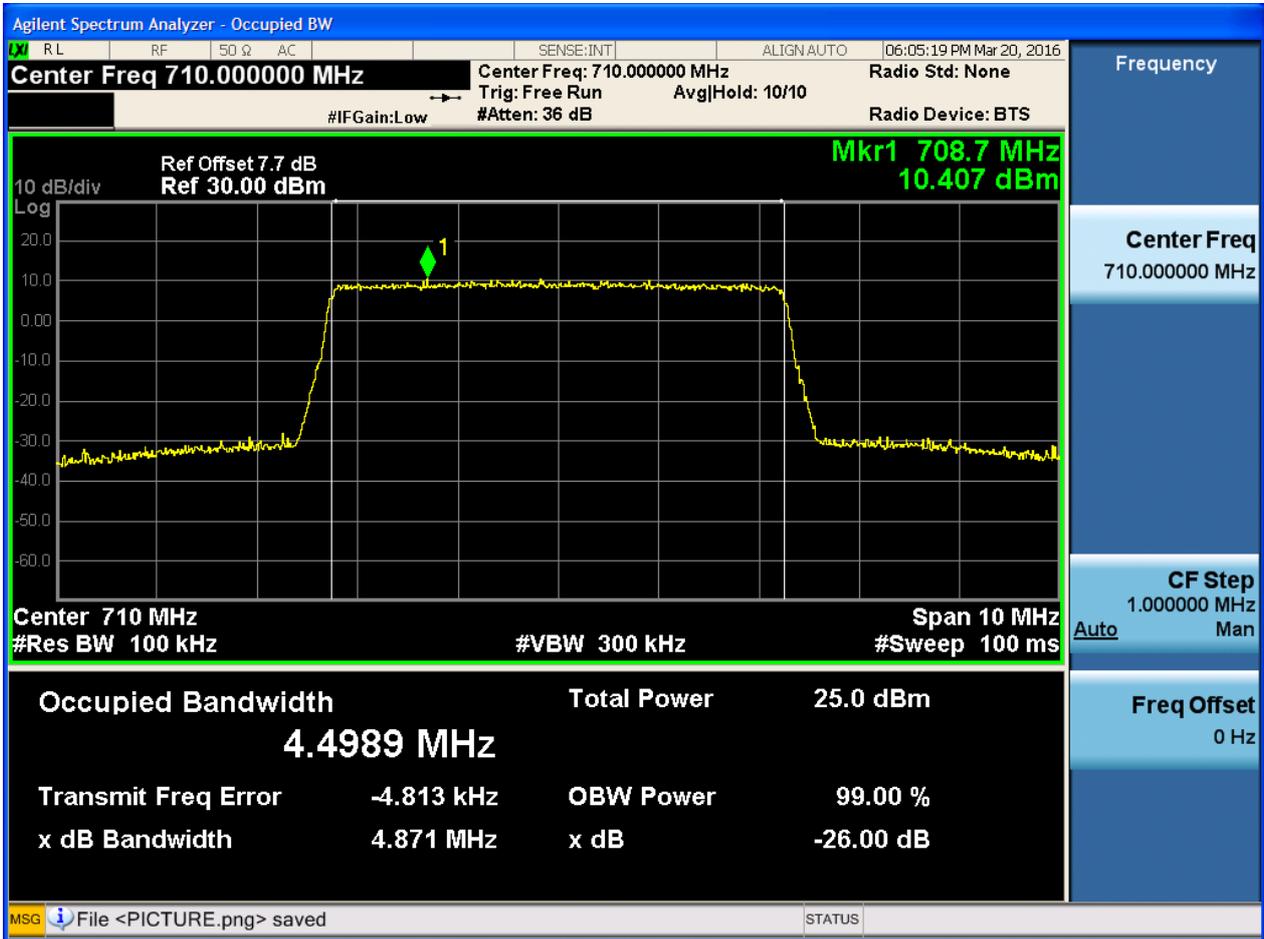
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0



4.1.1.1.1.2 Test Channel = MCH

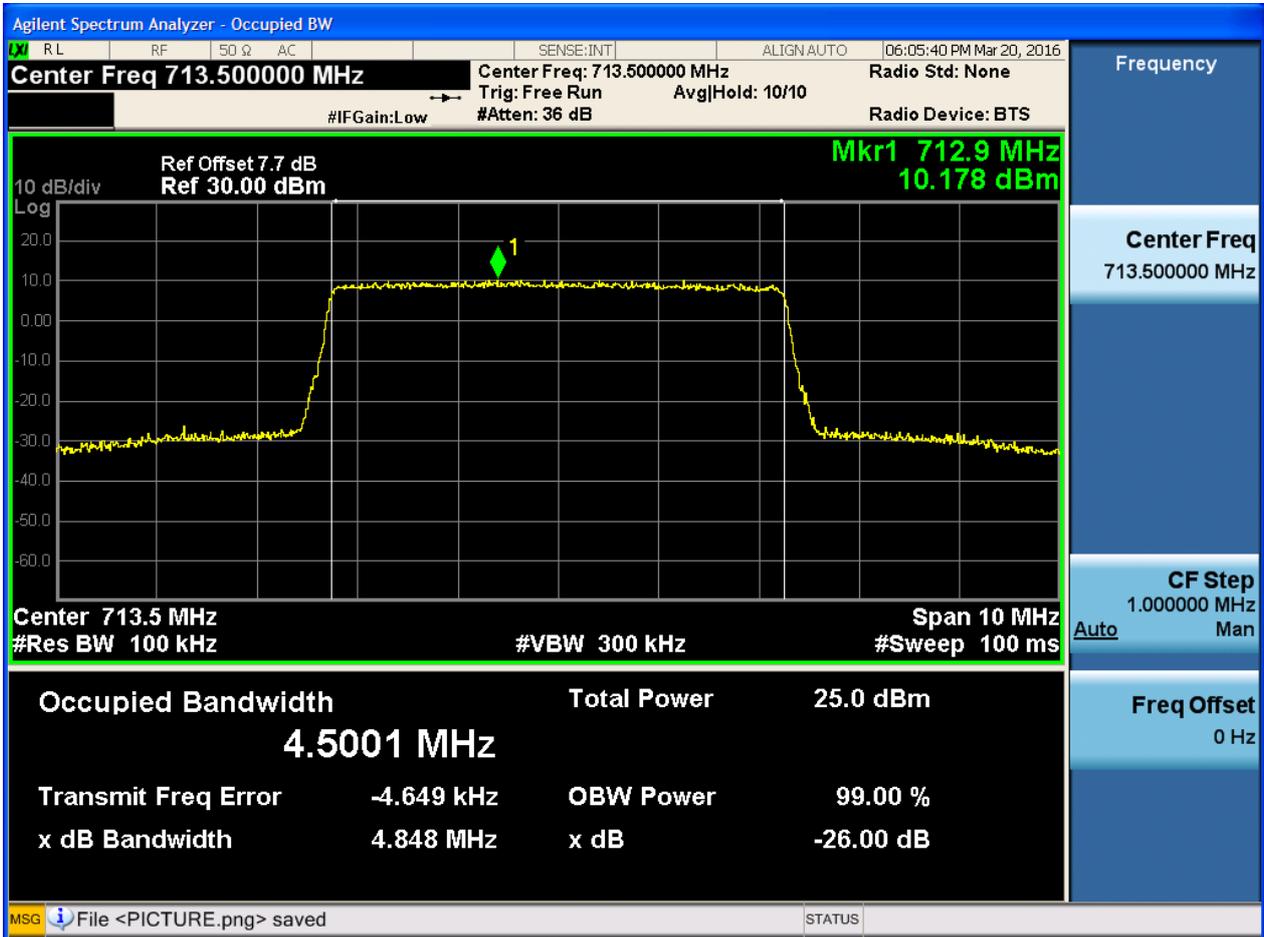
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

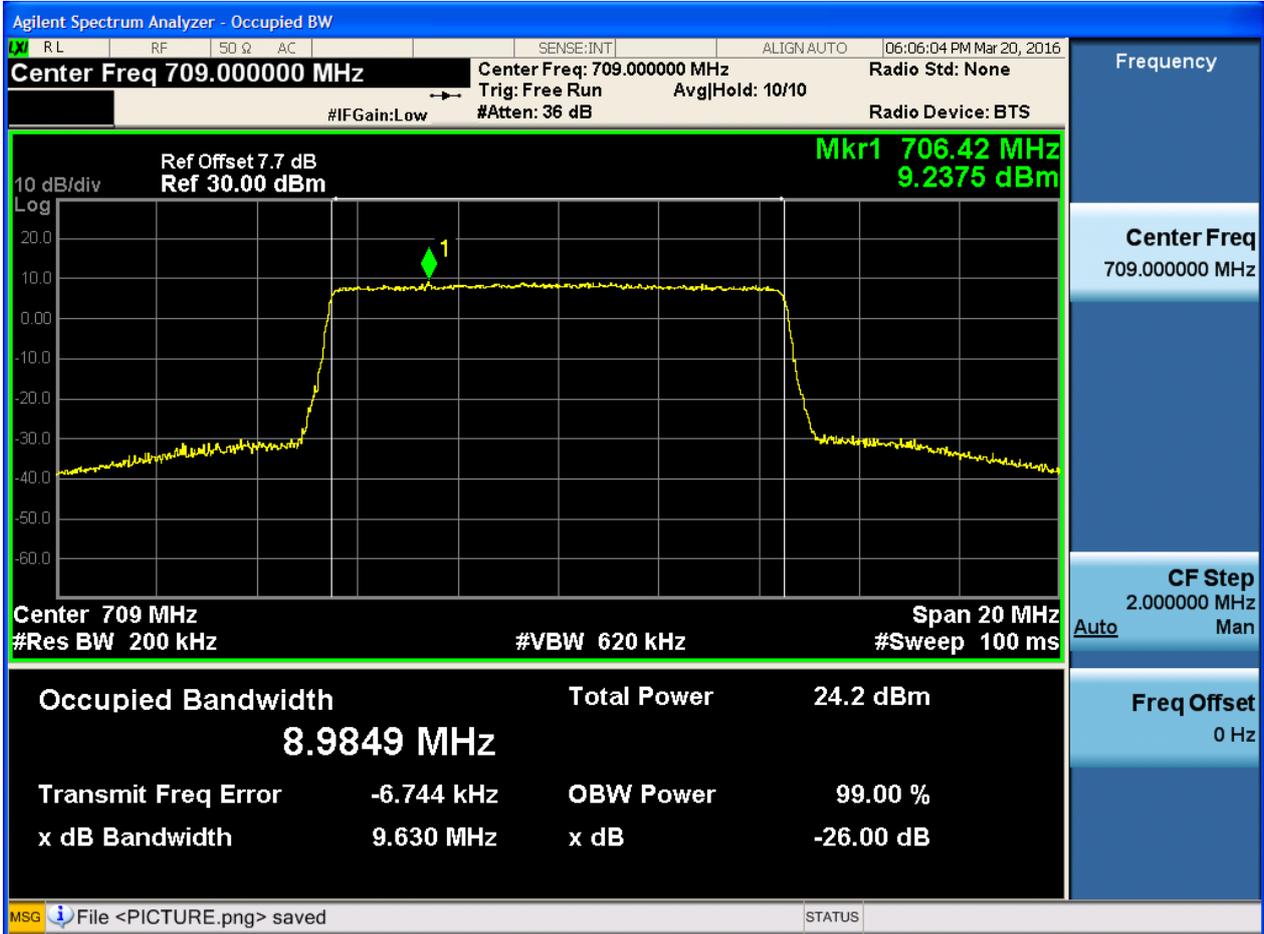




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

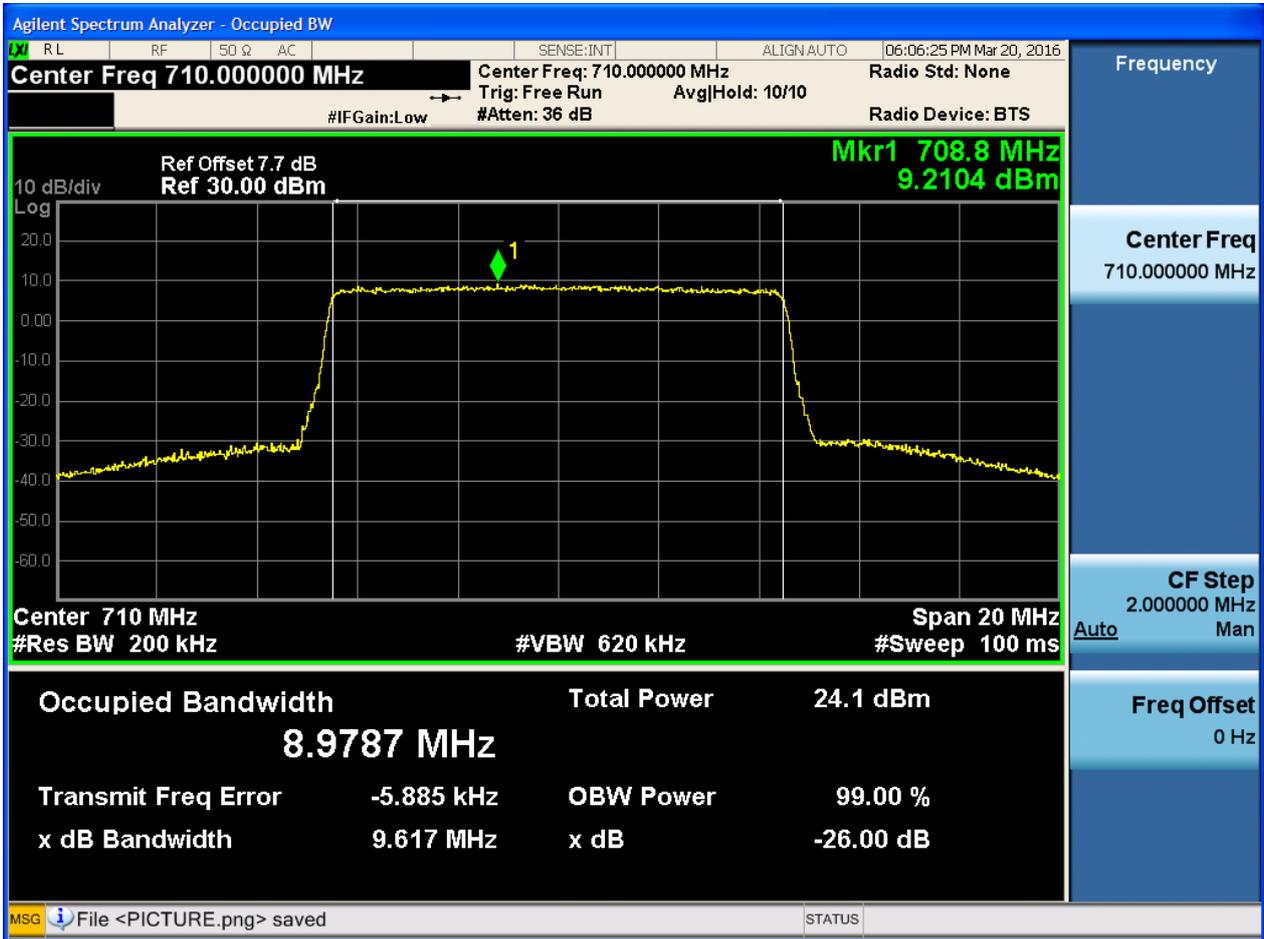
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

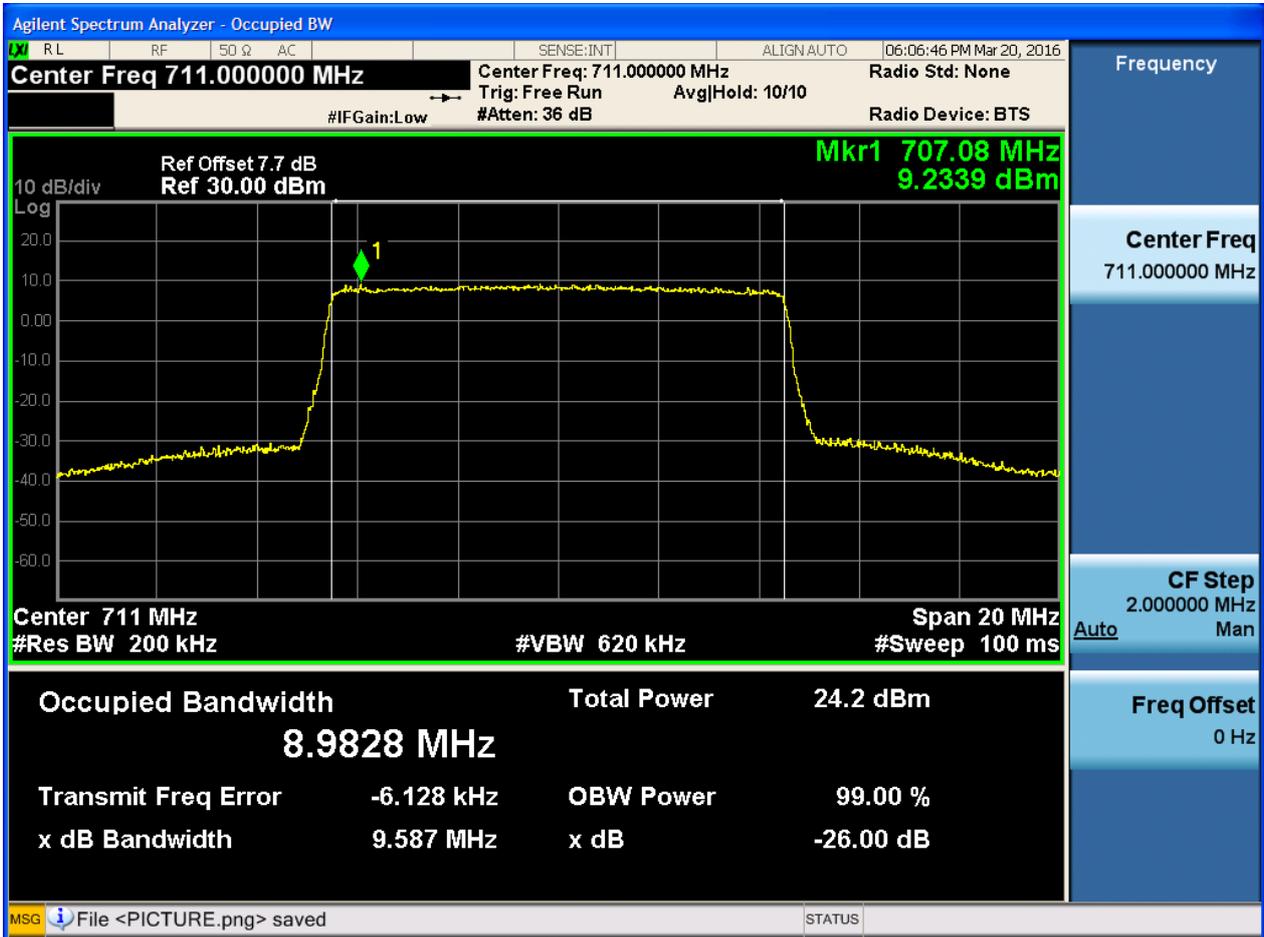
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



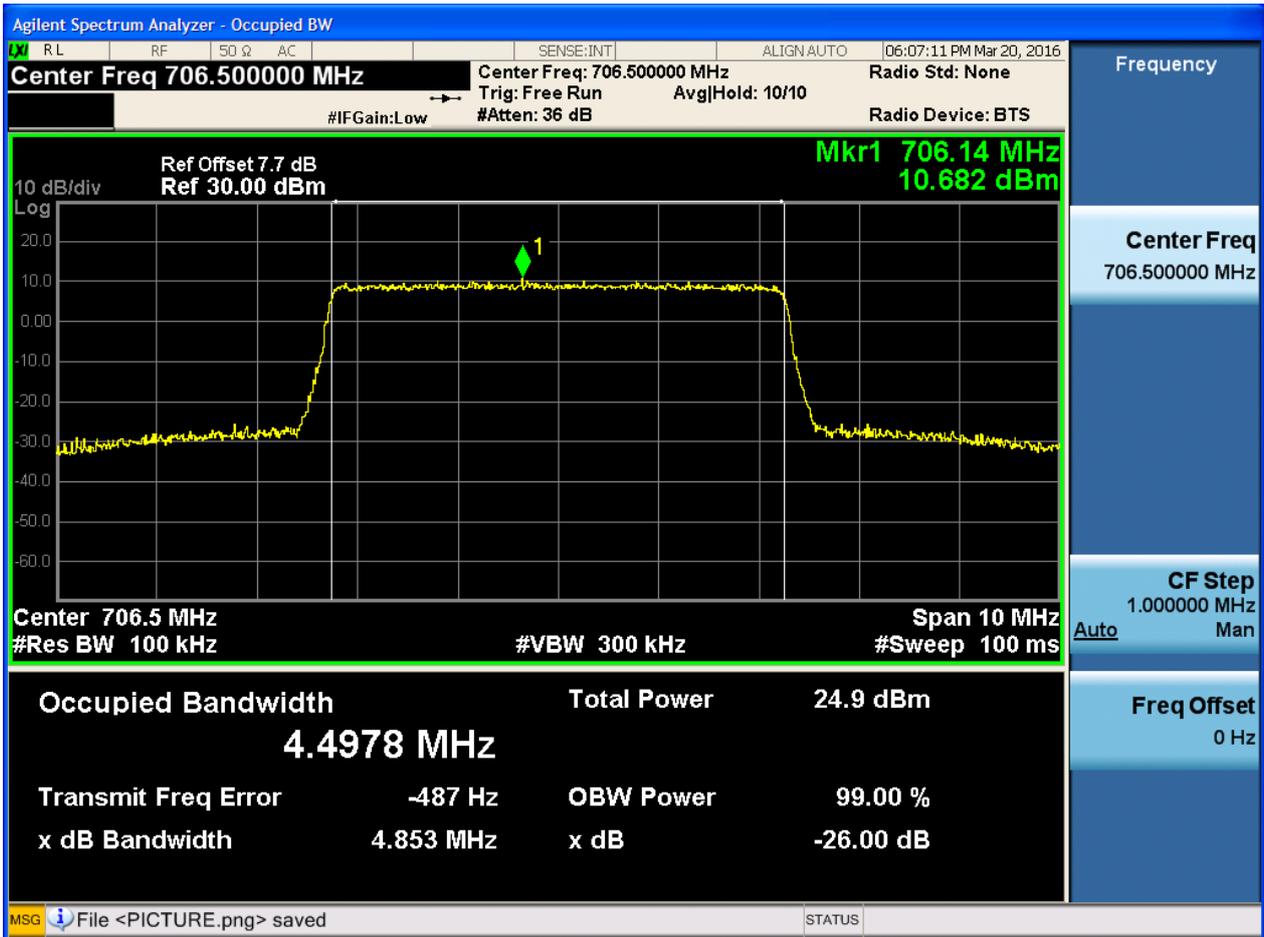


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

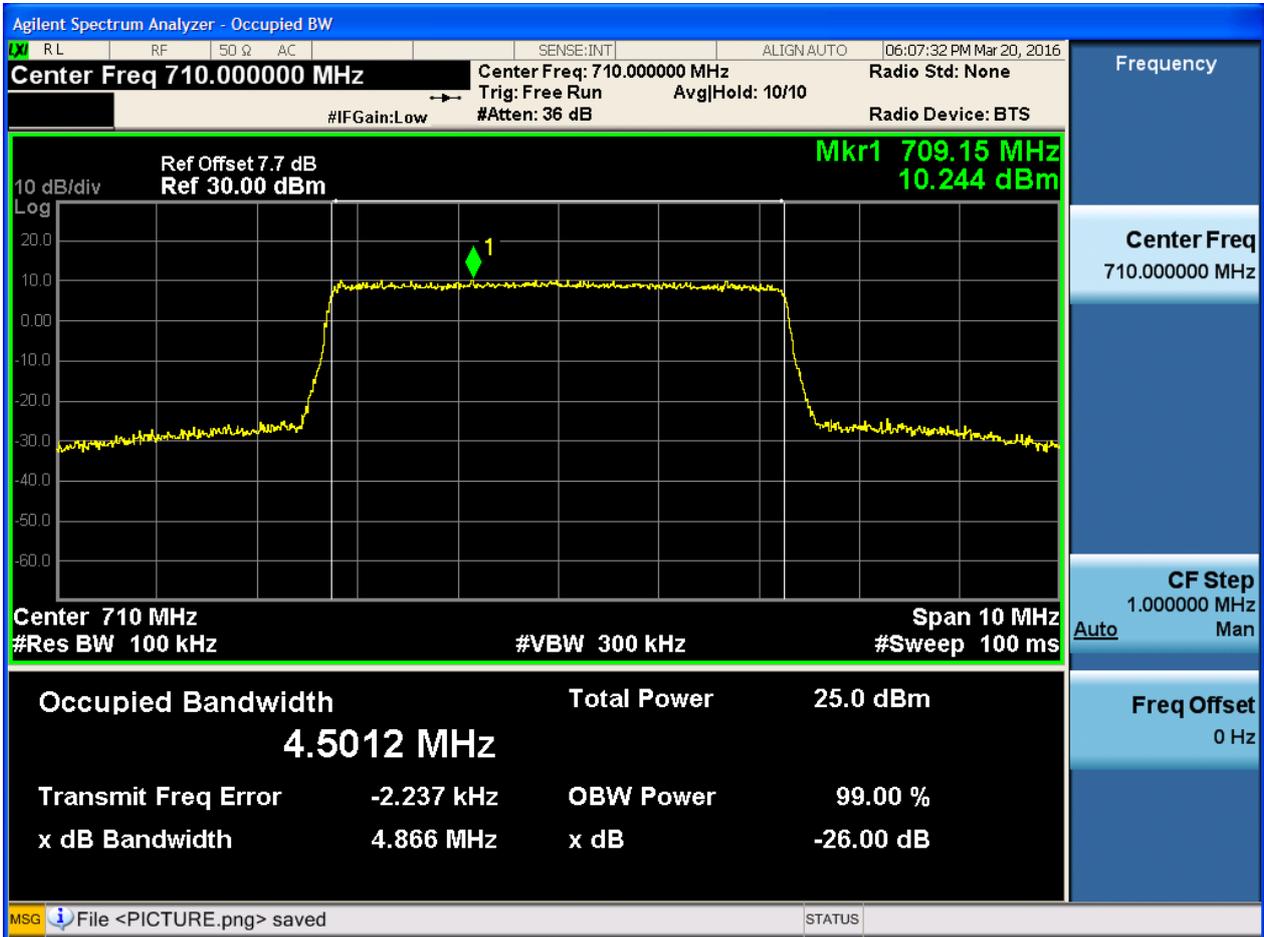
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

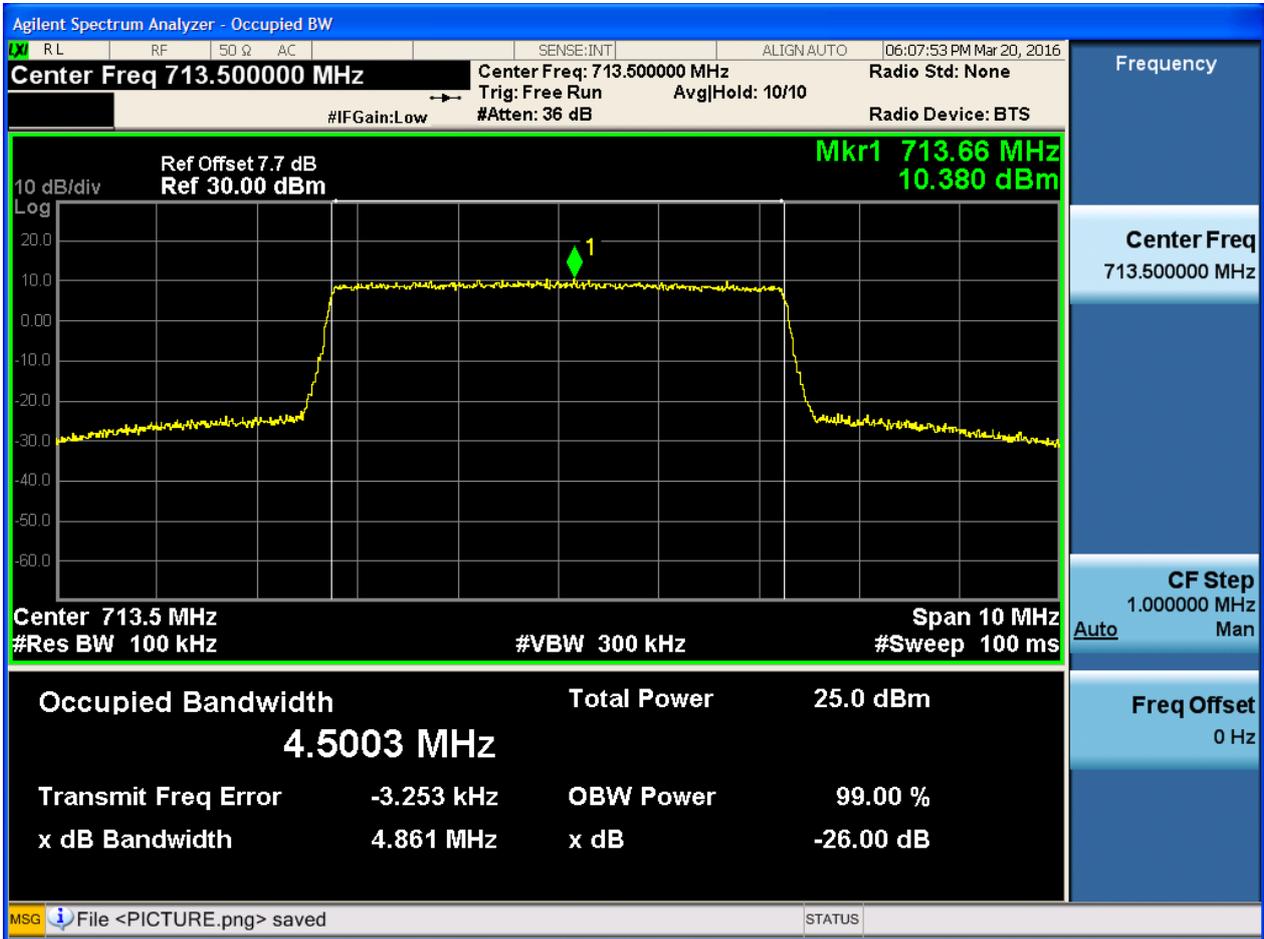
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

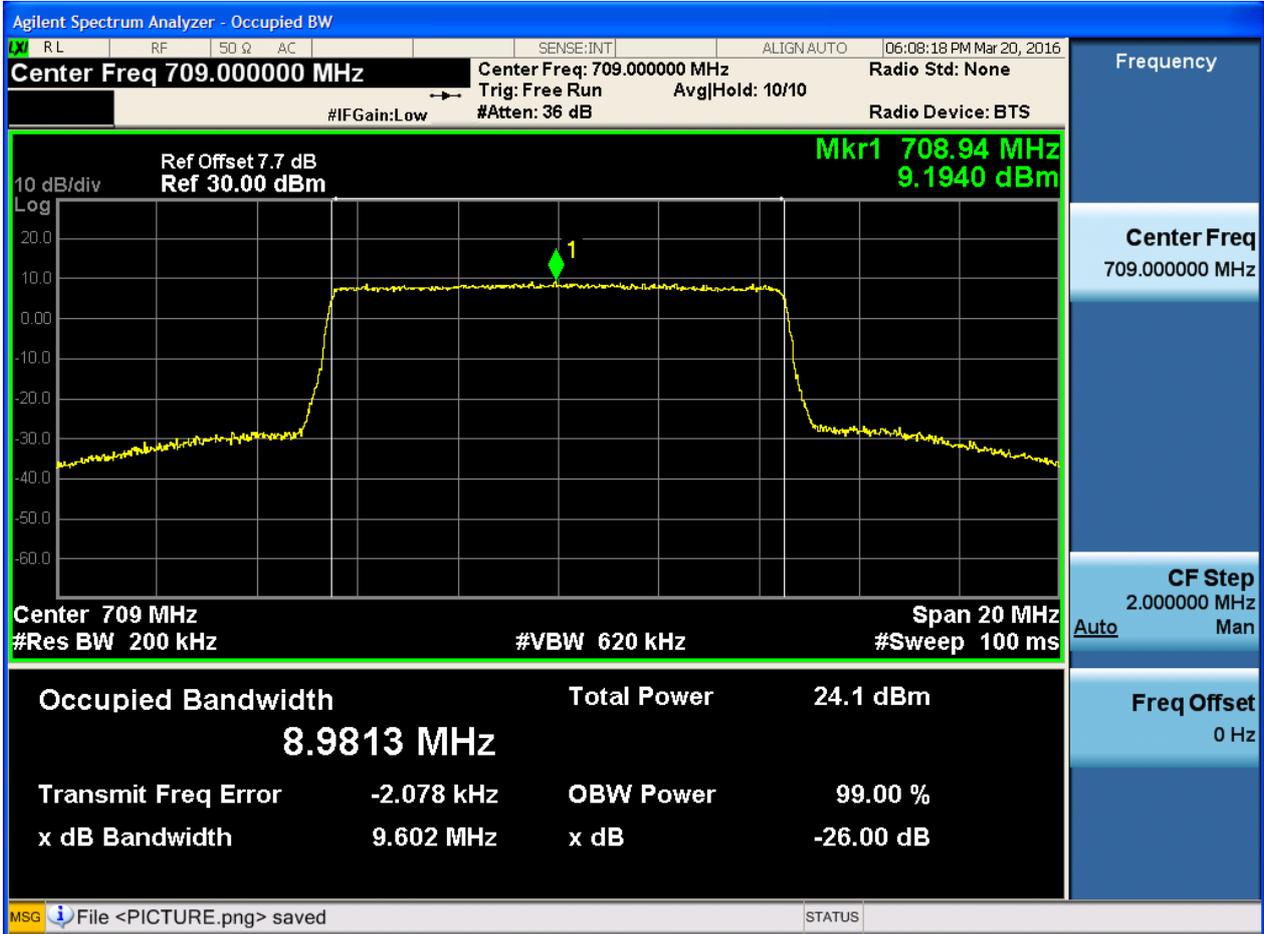




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

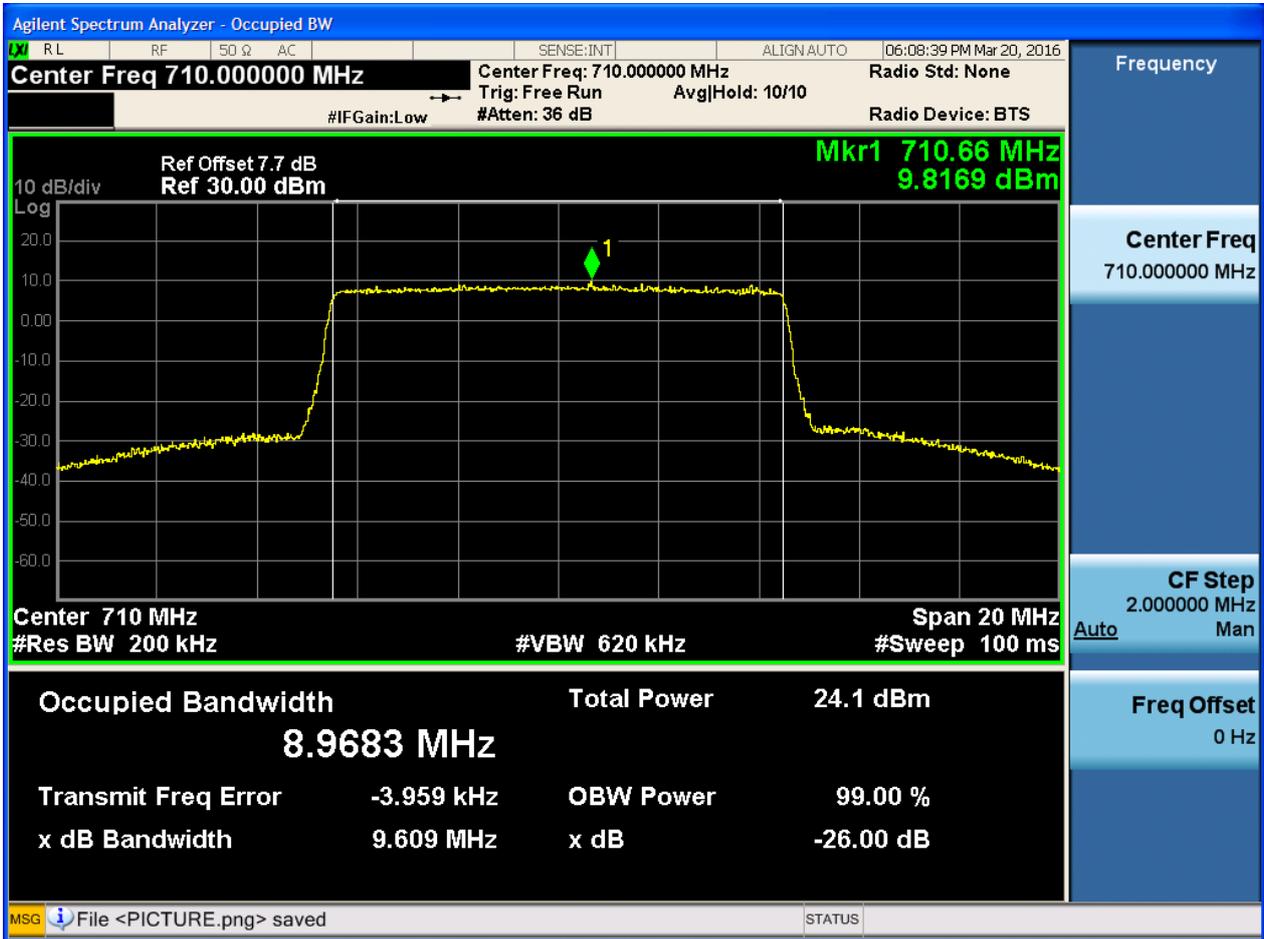
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

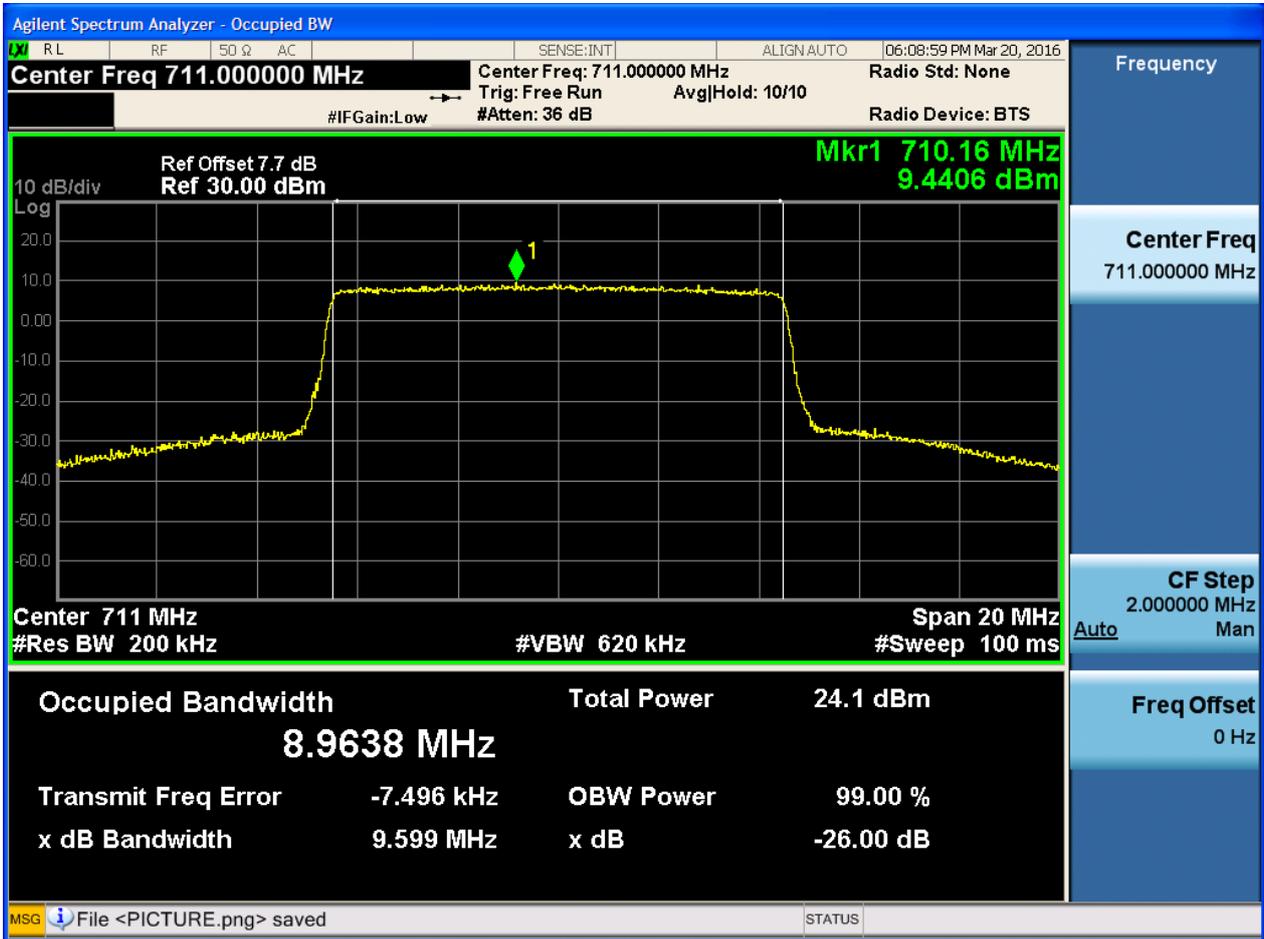
4.1.1.2.2.2.1 Test RB = RB50#0





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

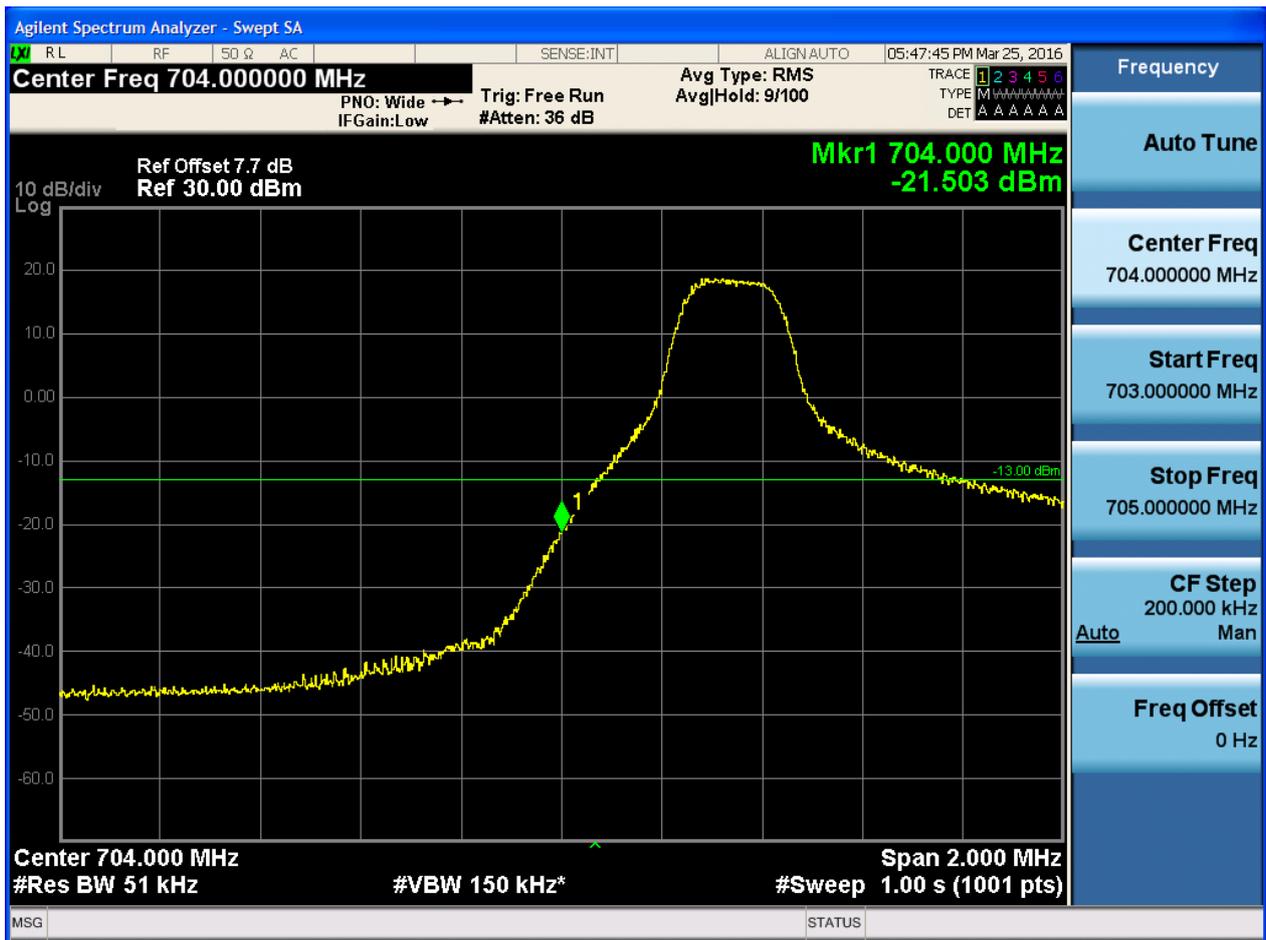
5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

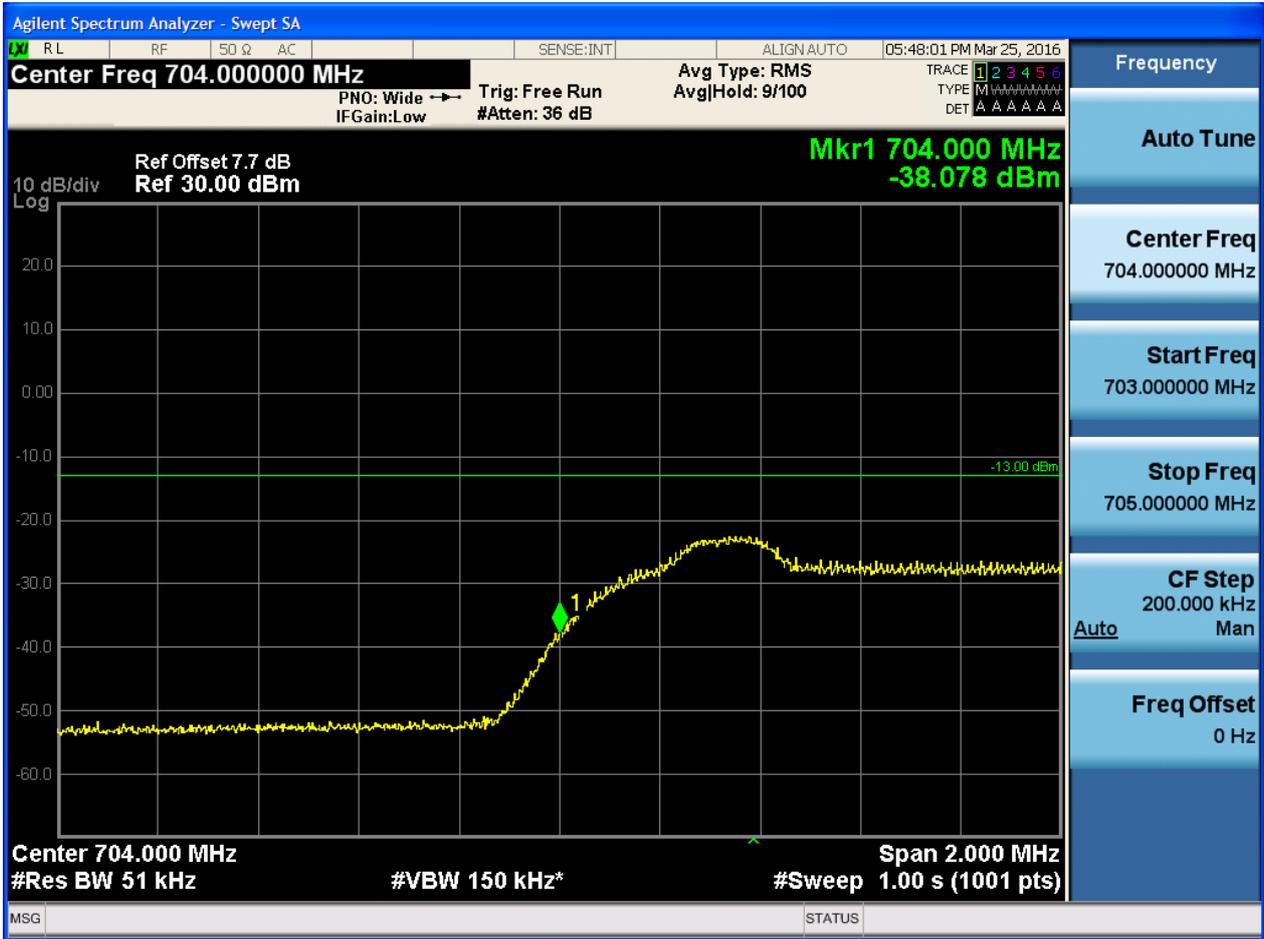
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24



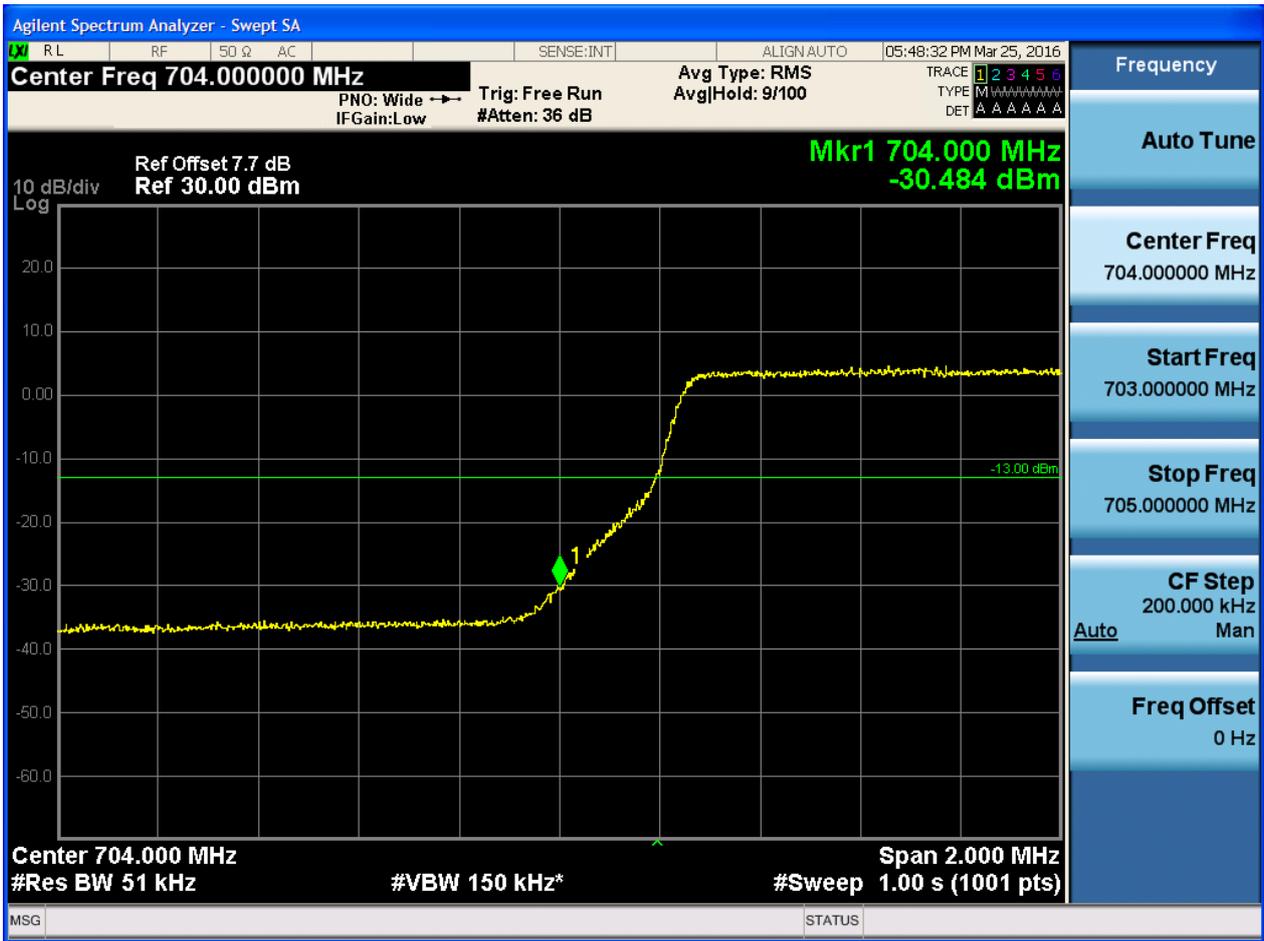


5.1.1.1.1.3 Test RB = RB12#6





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



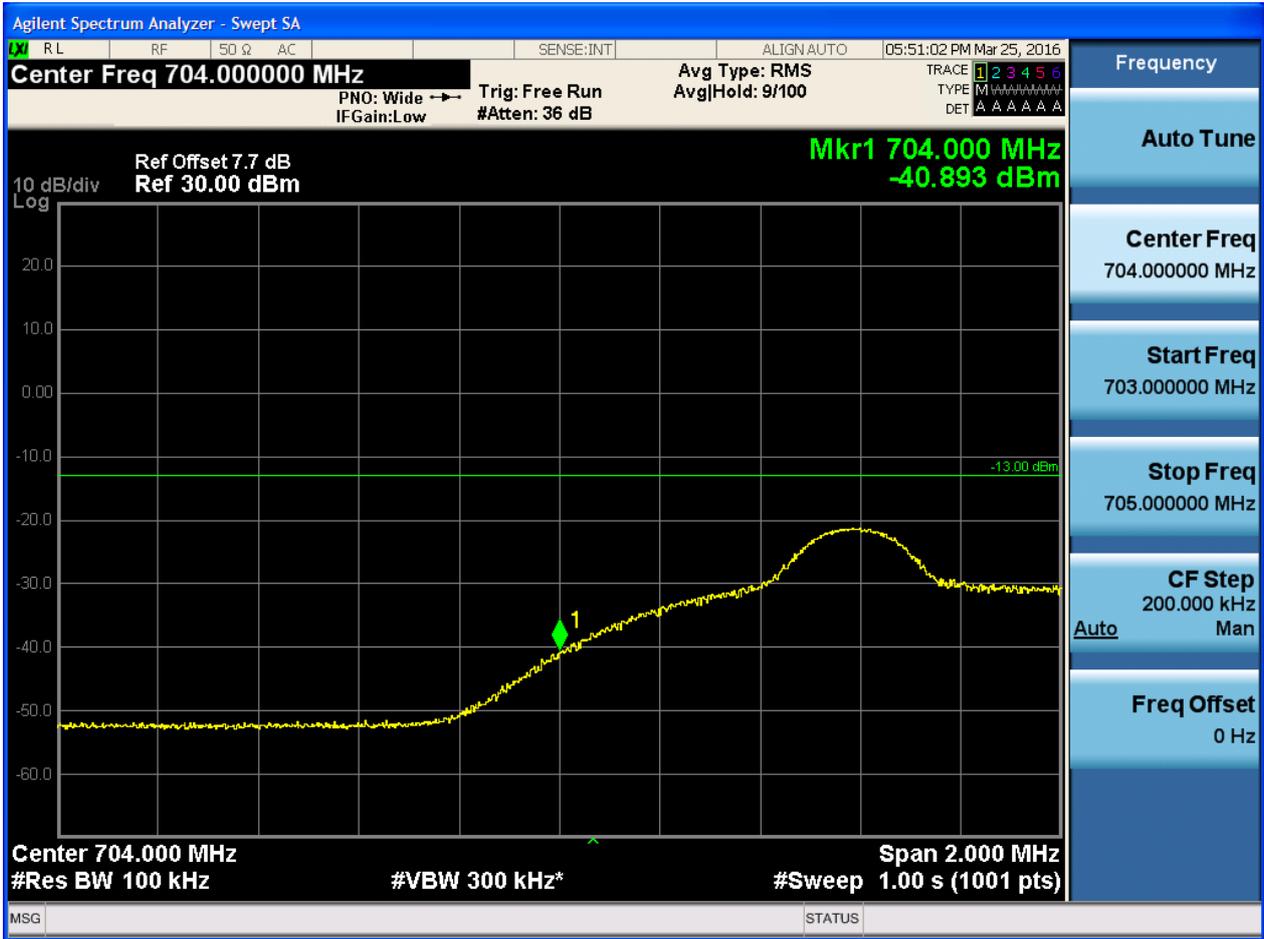


5.1.1.1.2.4 Test RB = RB25#0



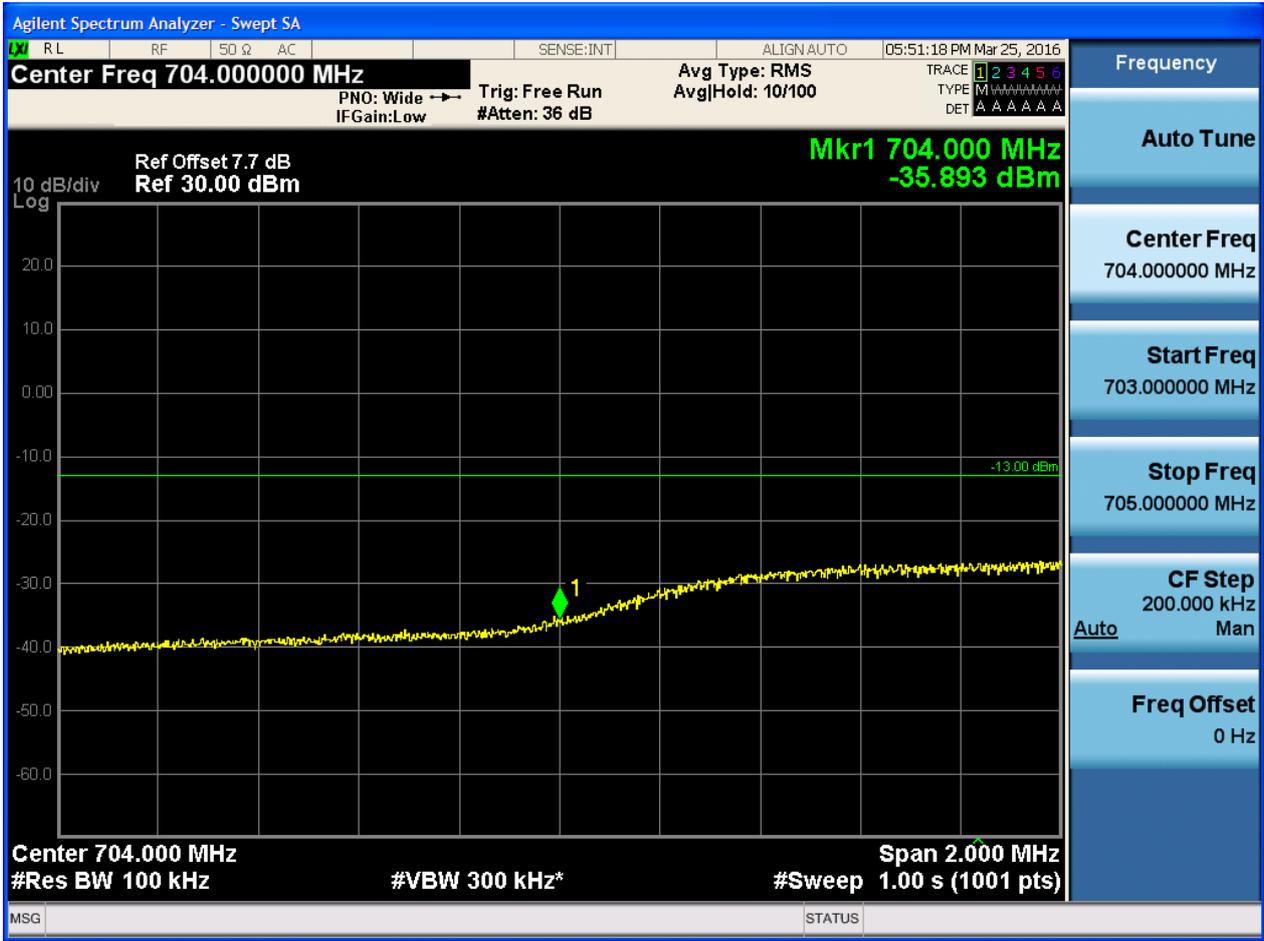


5.1.1.1.2.1.2 Test RB = RB1#49





5.1.1.1.2.1.3 Test RB = RB25#13





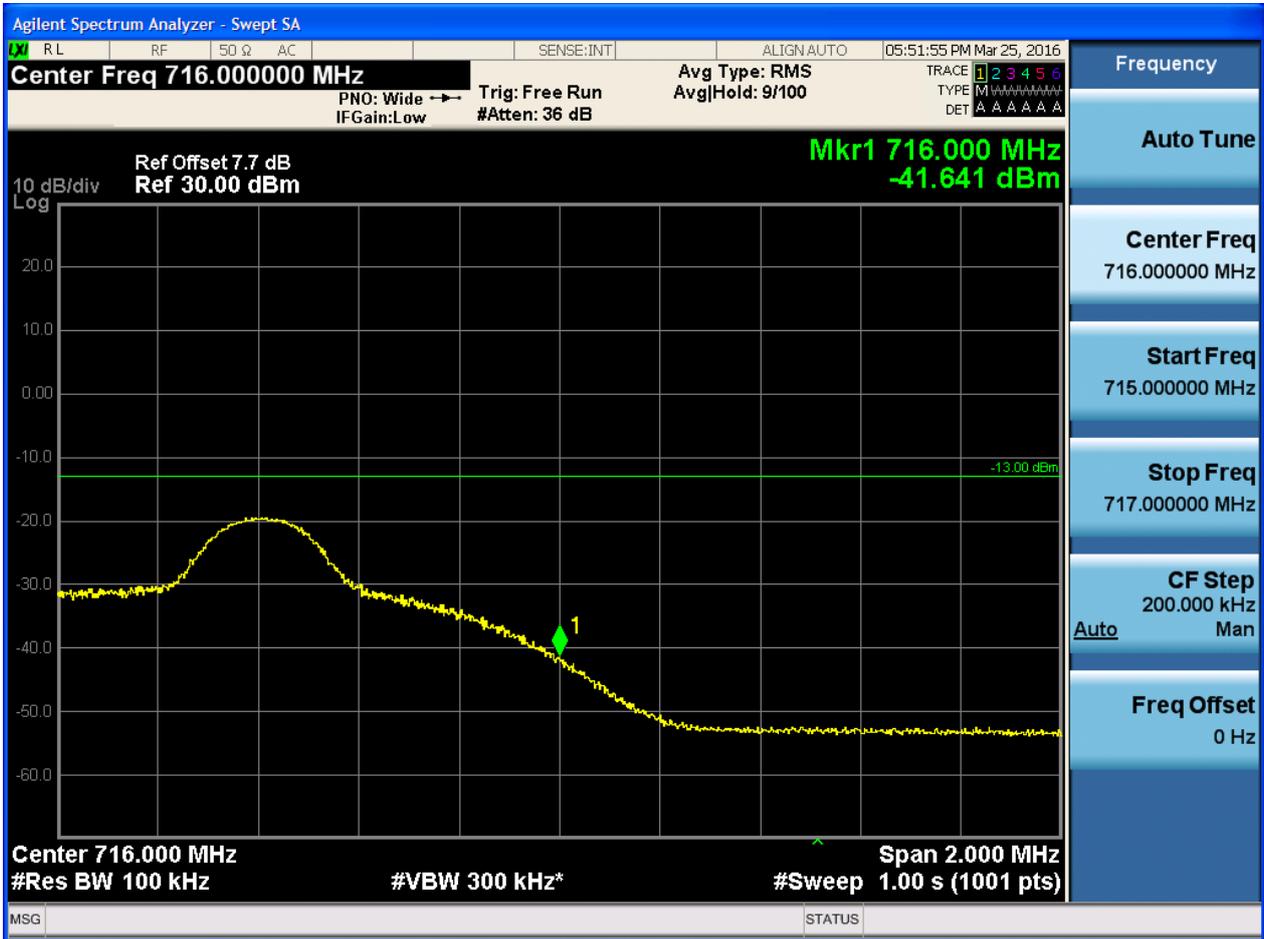
5.1.1.1.2.1.4 Test RB = RB50#0





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





5.1.1.1.2.2.4 Test RB = RB50#0



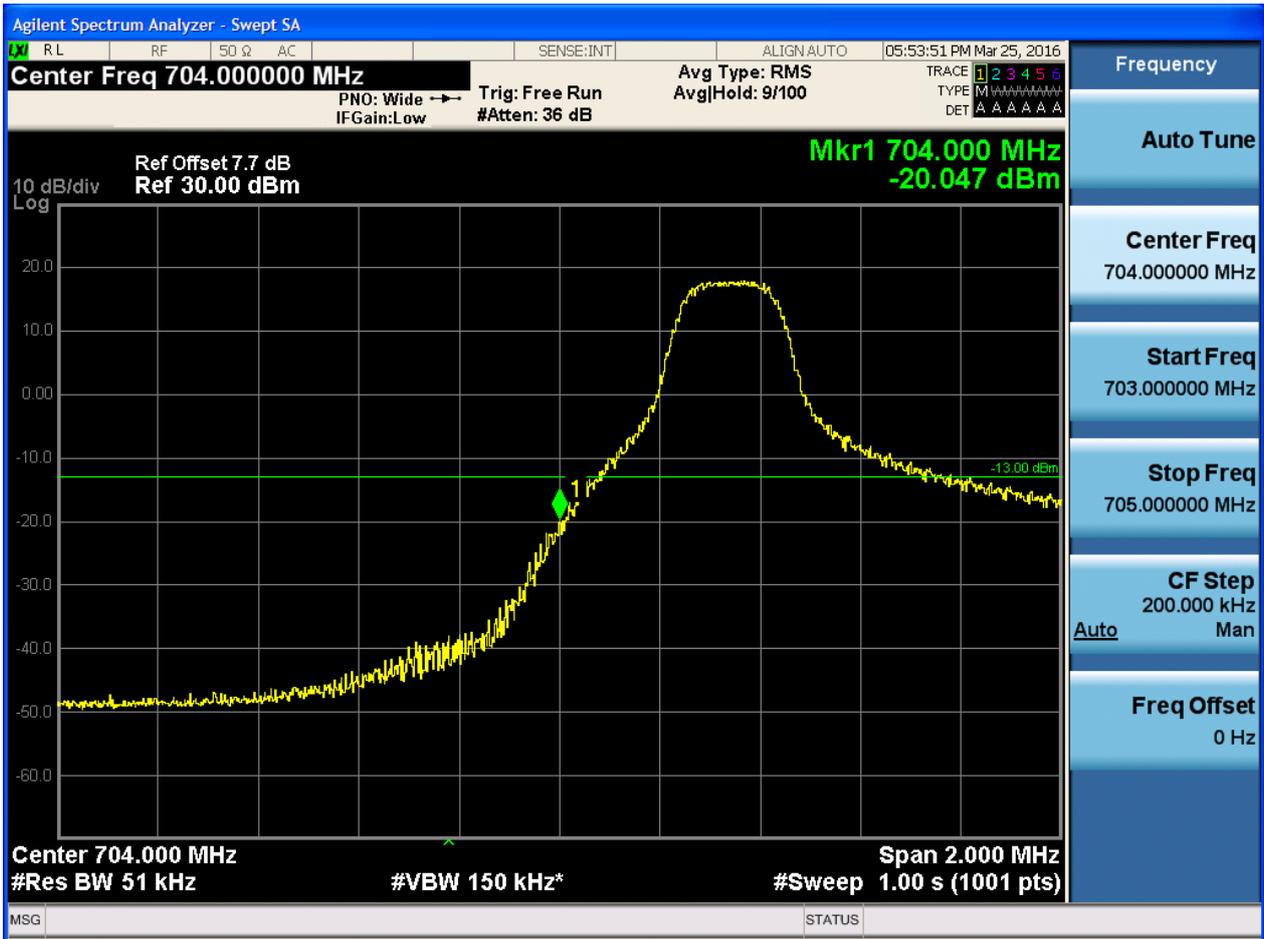


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

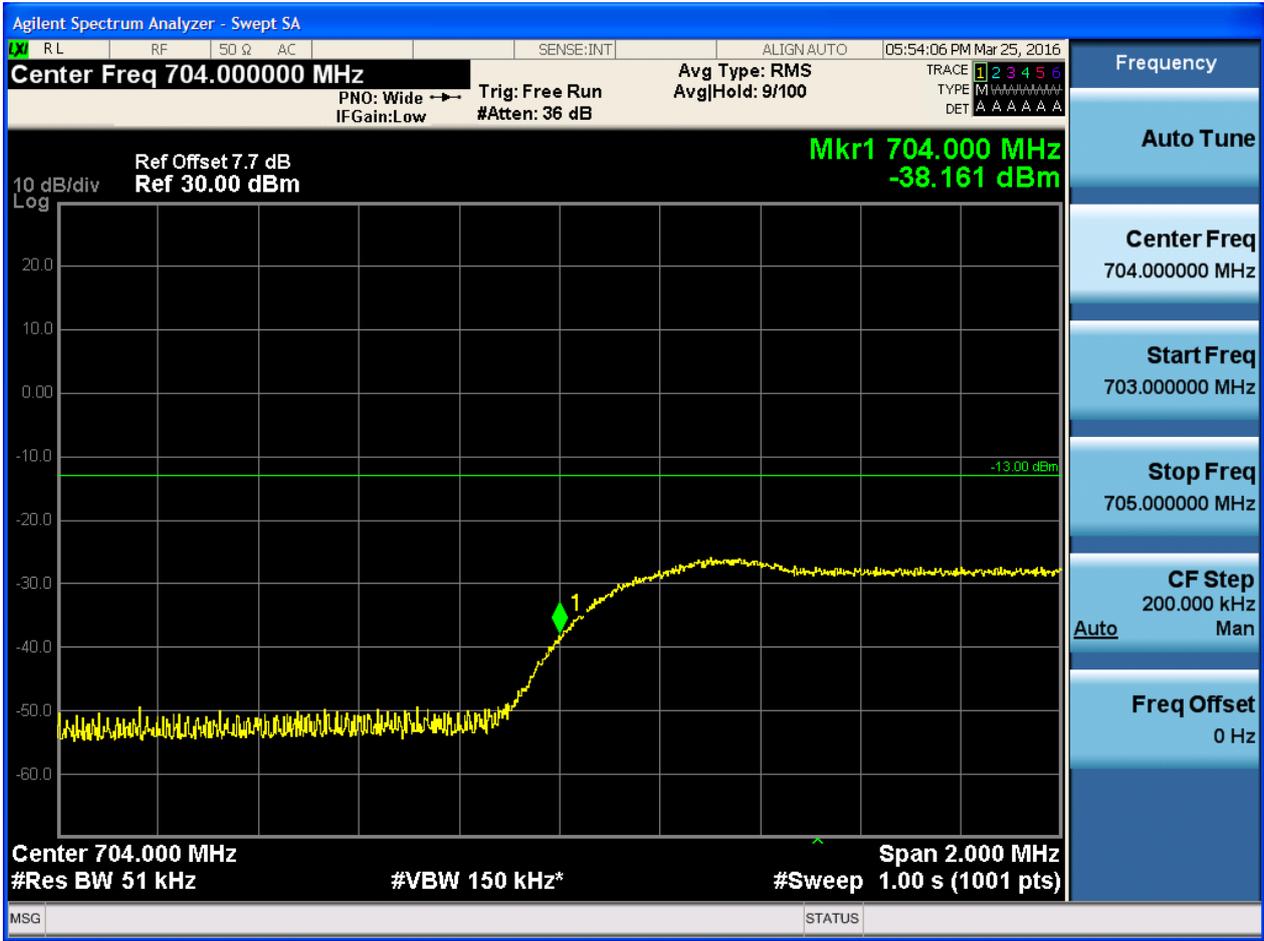
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



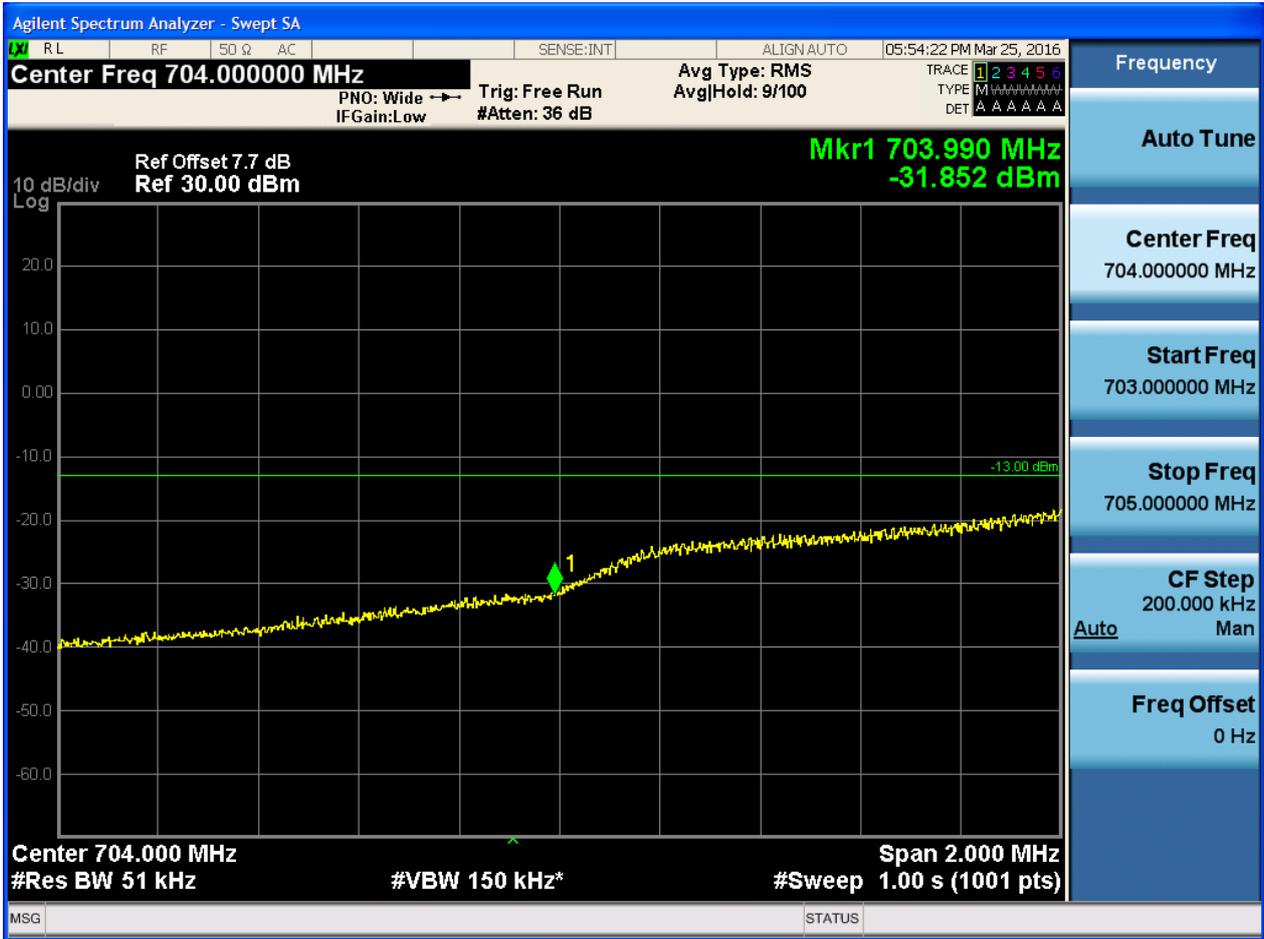


5.1.1.2.1.1.2 Test RB = RB1#24



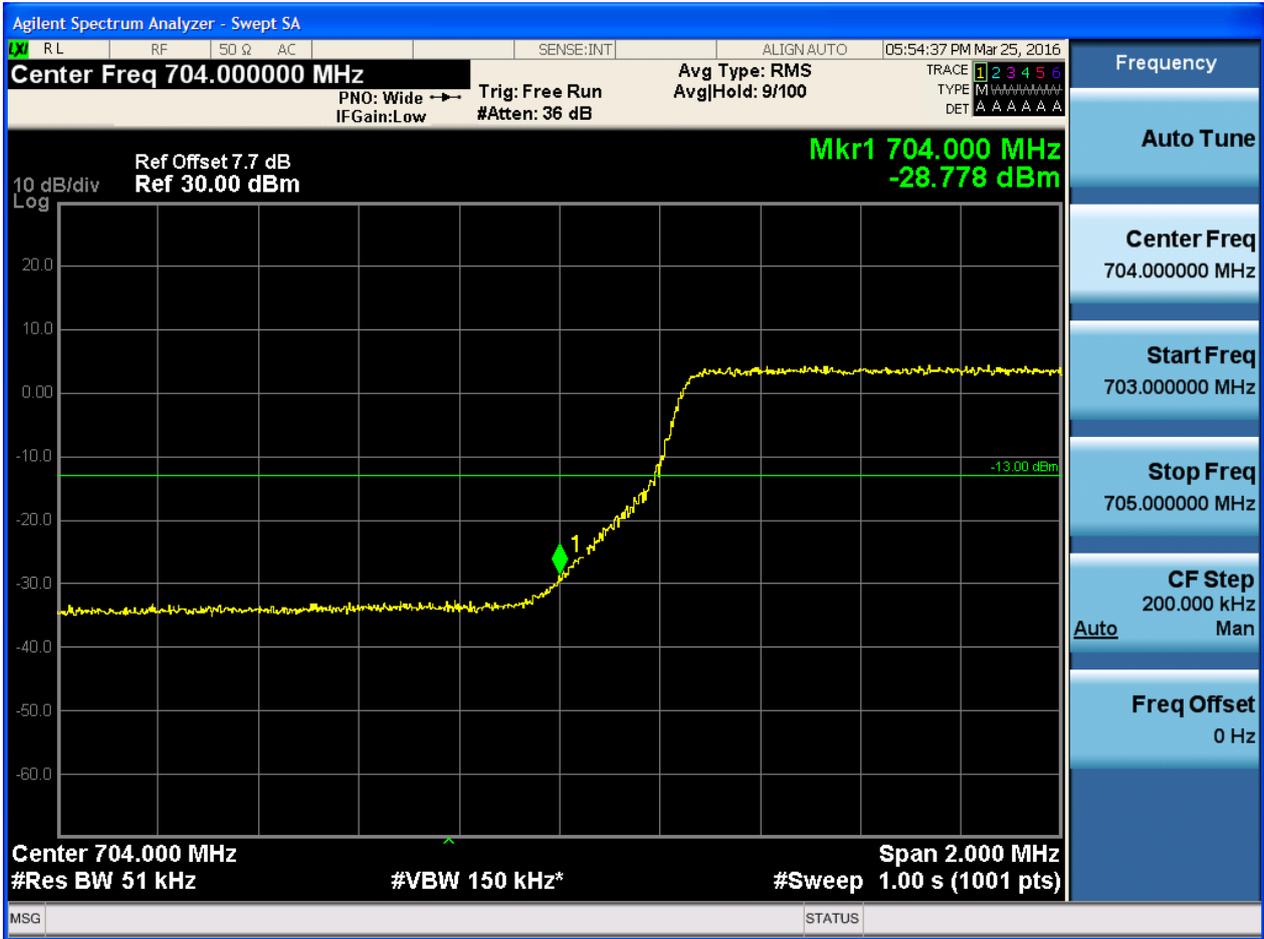


5.1.1.2.1.1.3 Test RB = RB12#6





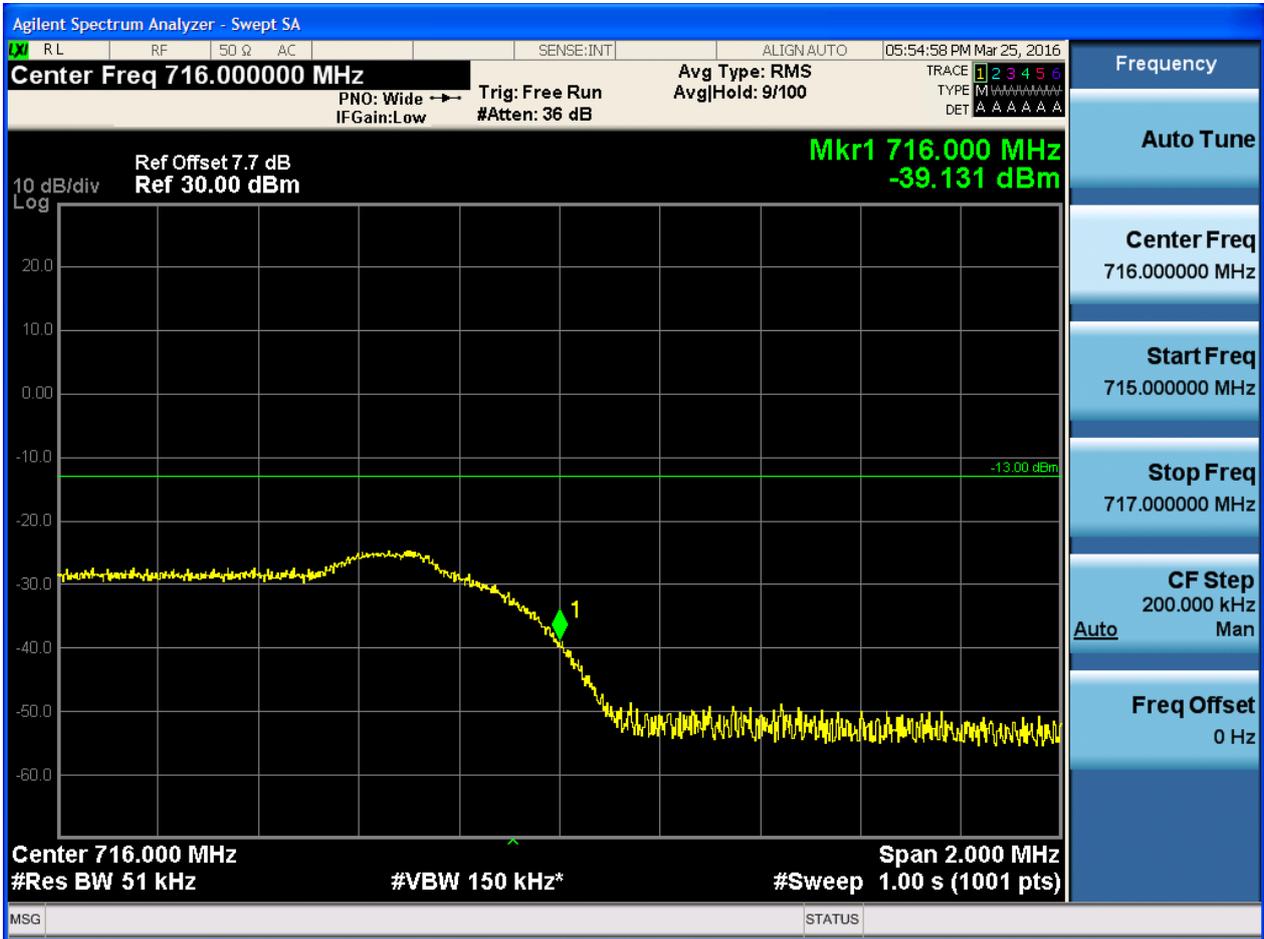
5.1.1.2.1.1.4 Test RB = RB25#0





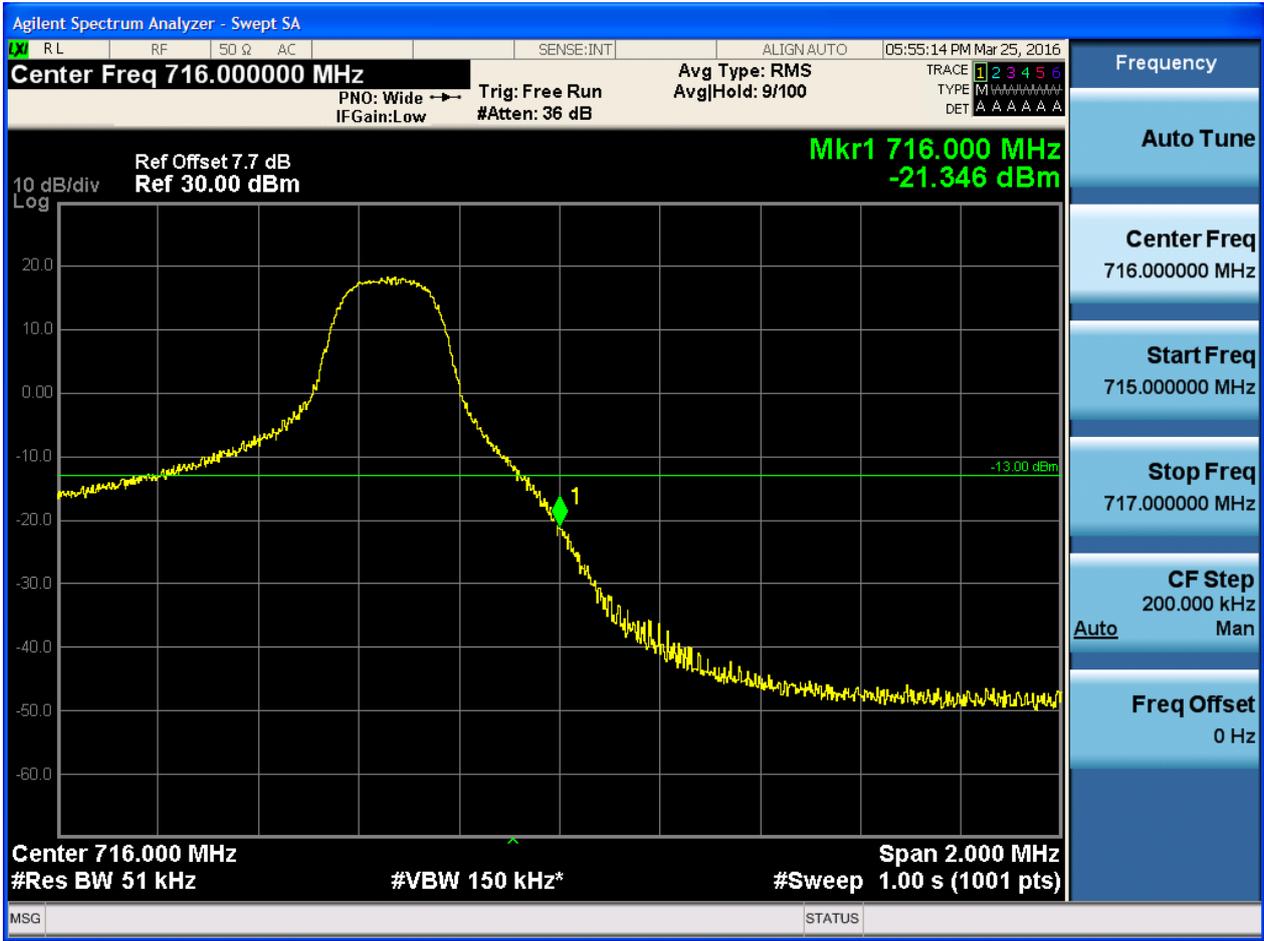
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#24



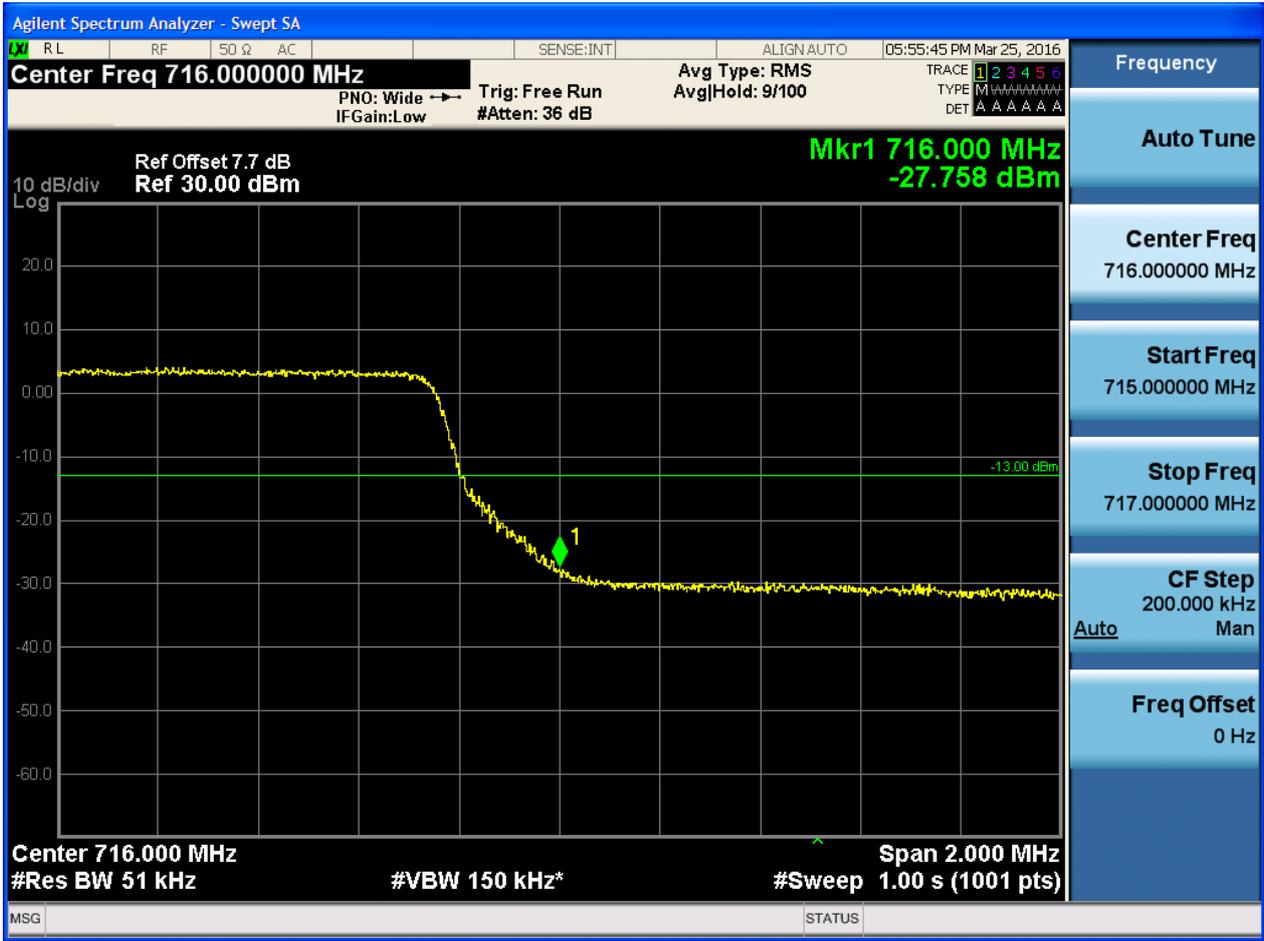


5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

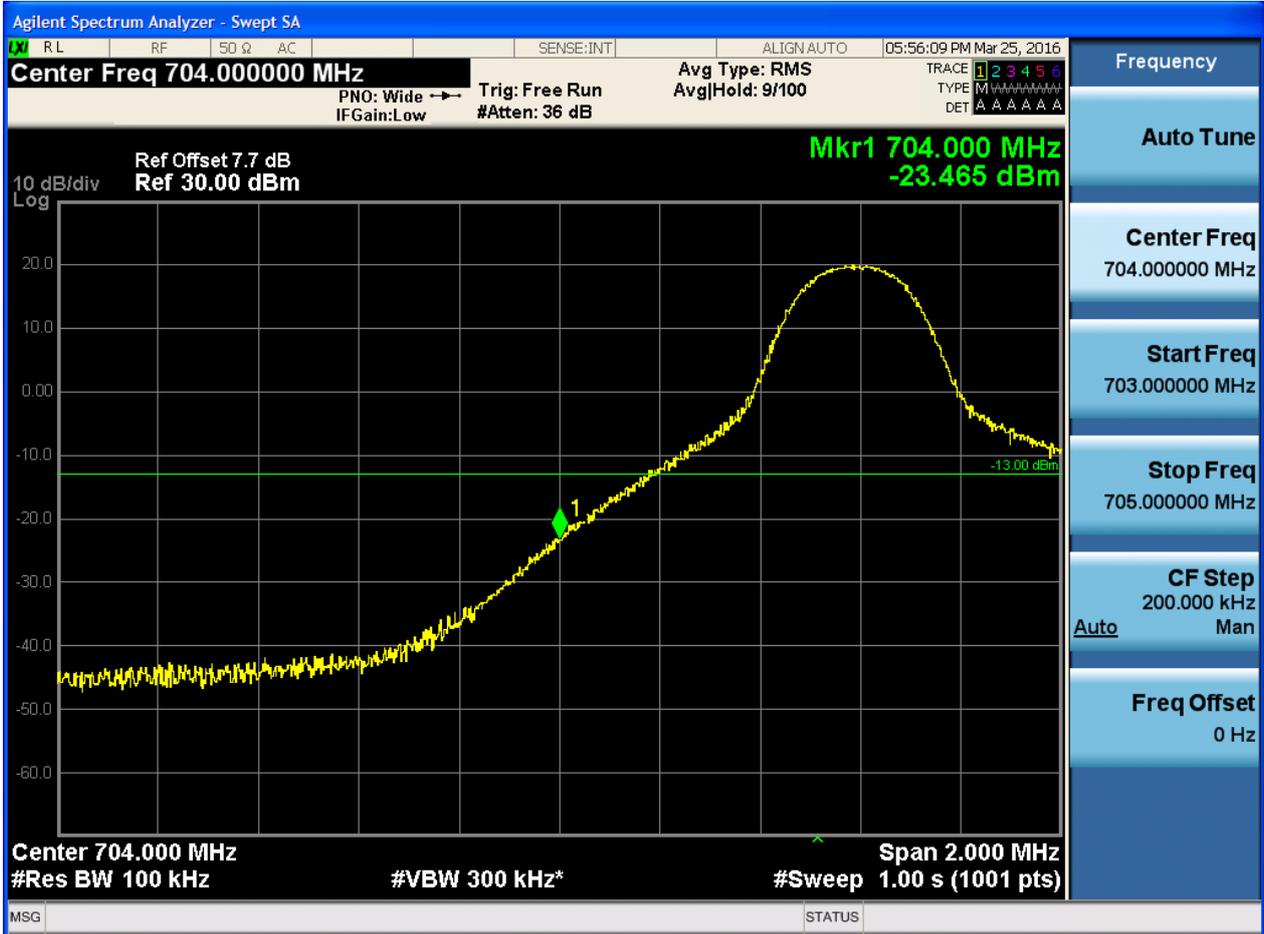




5.1.1.2.2 Test Bandwidth = 10

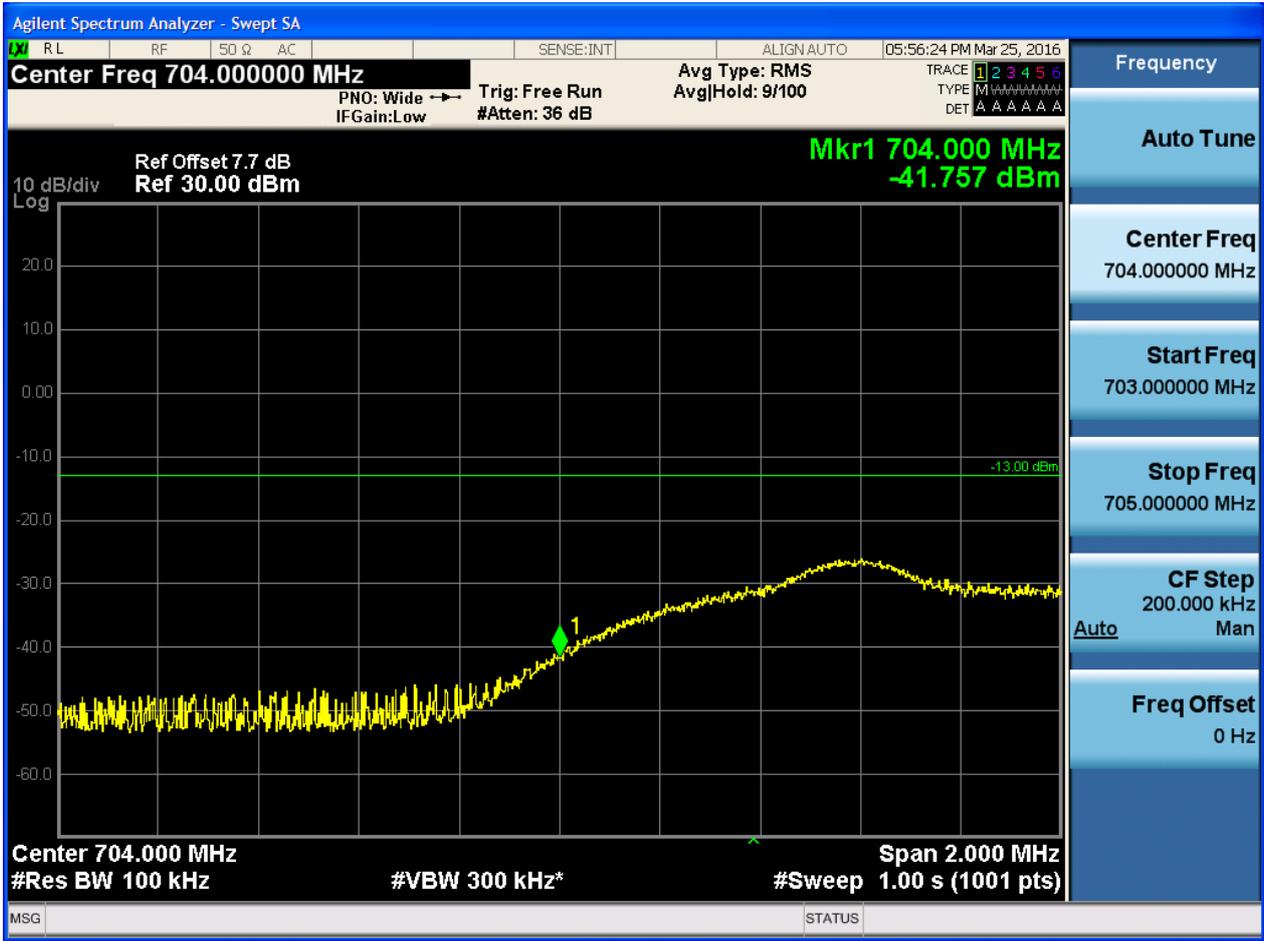
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



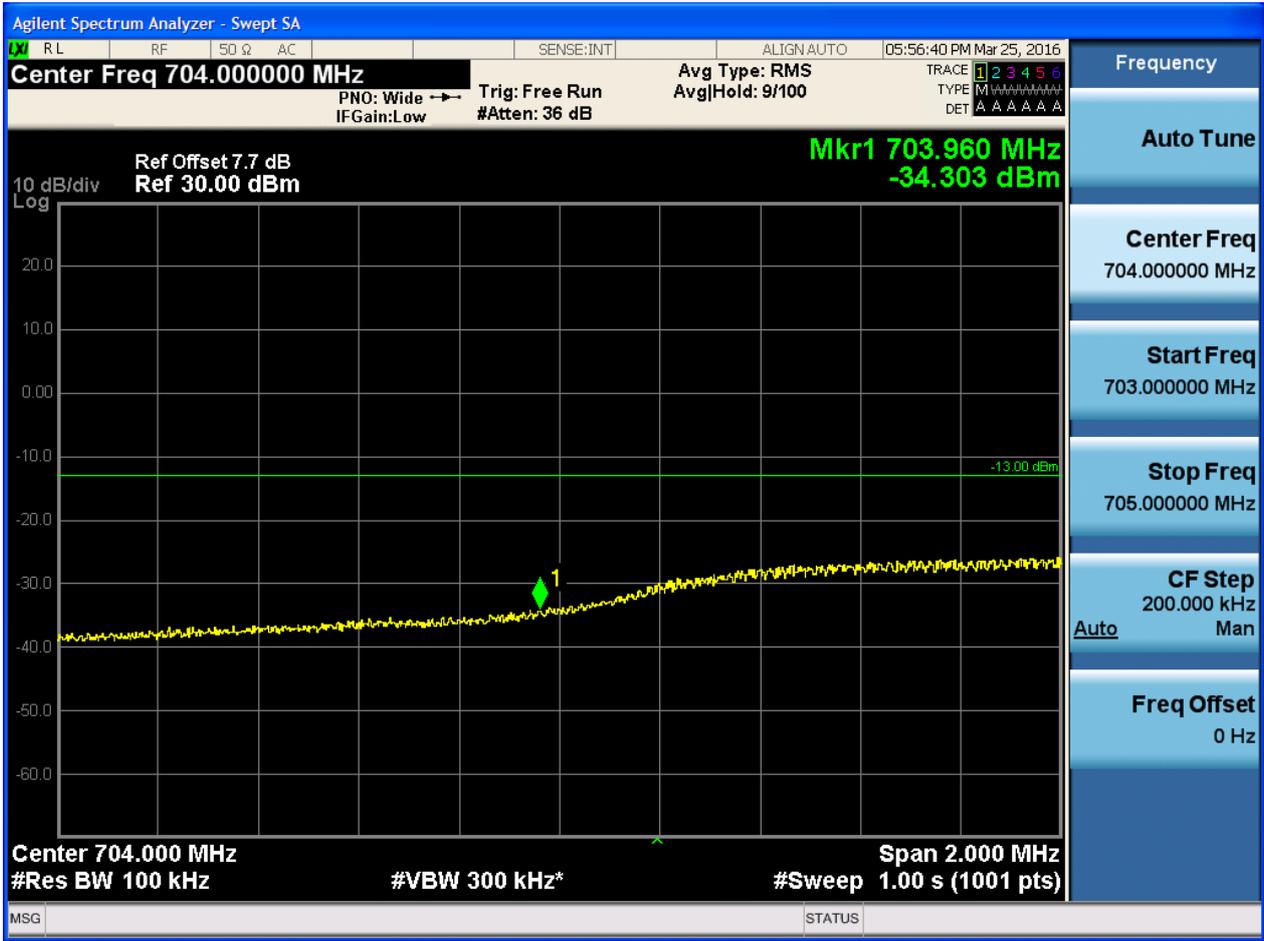


5.1.1.2.2.1.2 Test RB = RB1#49



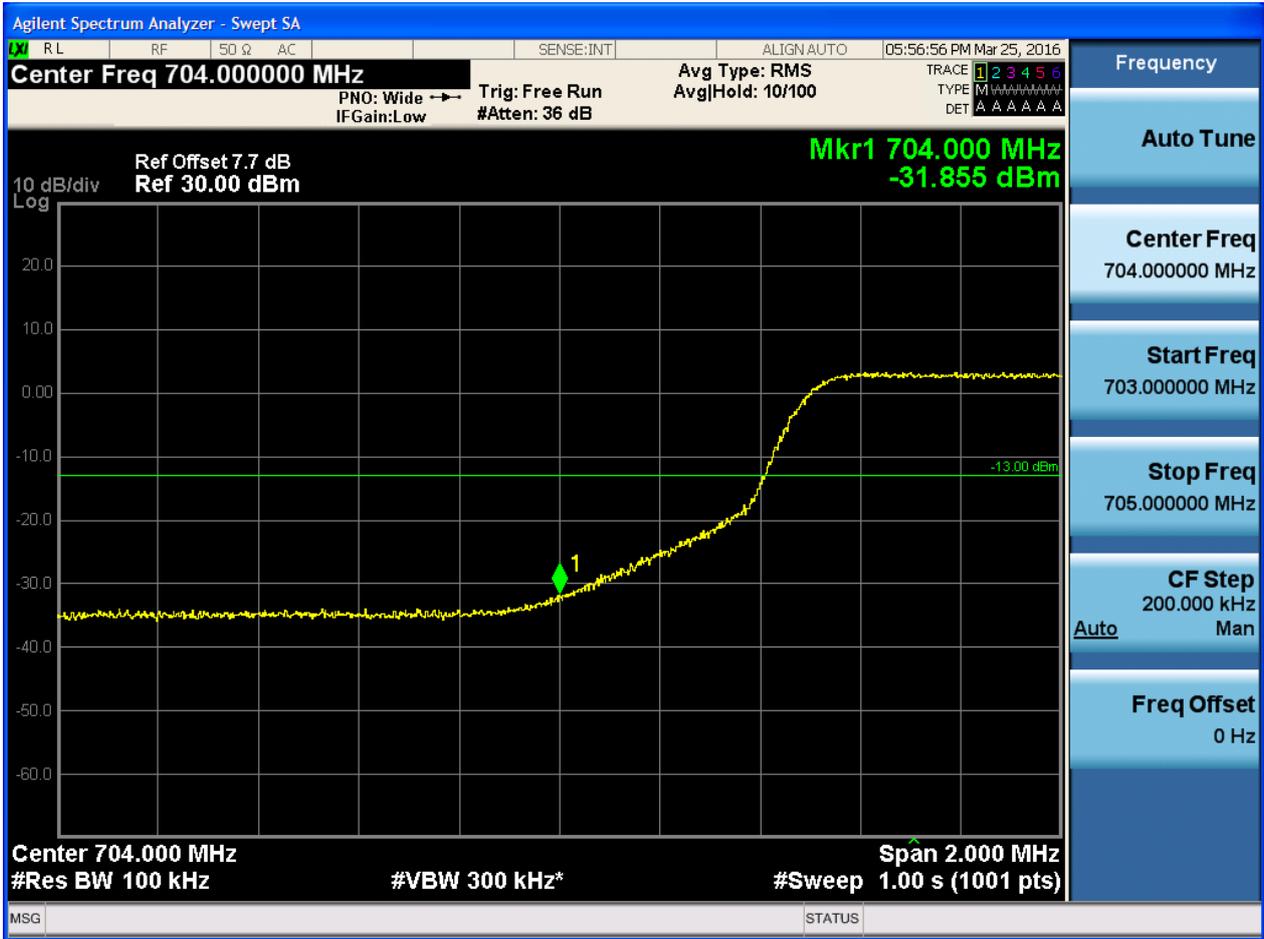


5.1.1.2.2.1.3 Test RB = RB25#13





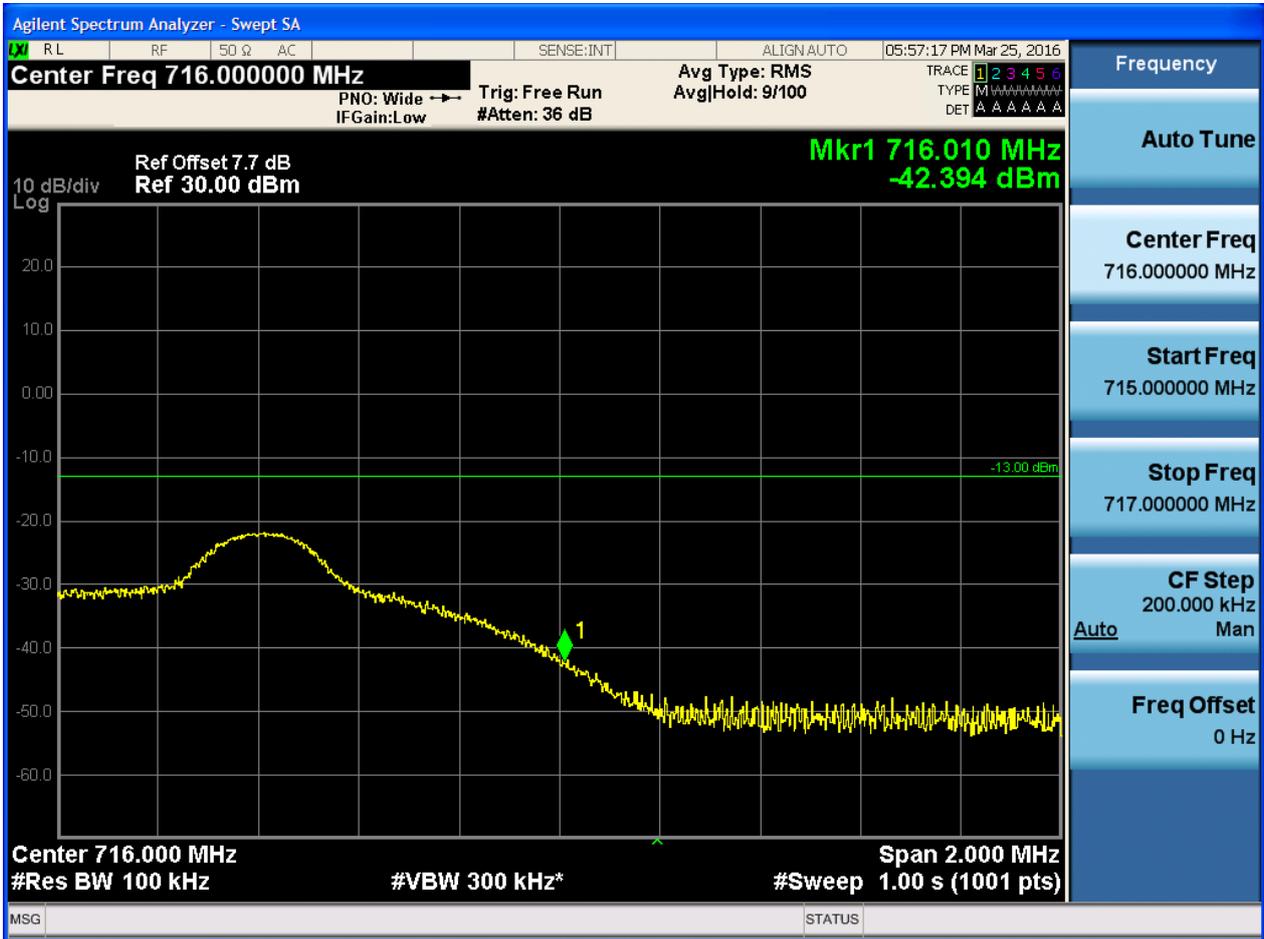
5.1.1.2.2.1.4 Test RB = RB50#0





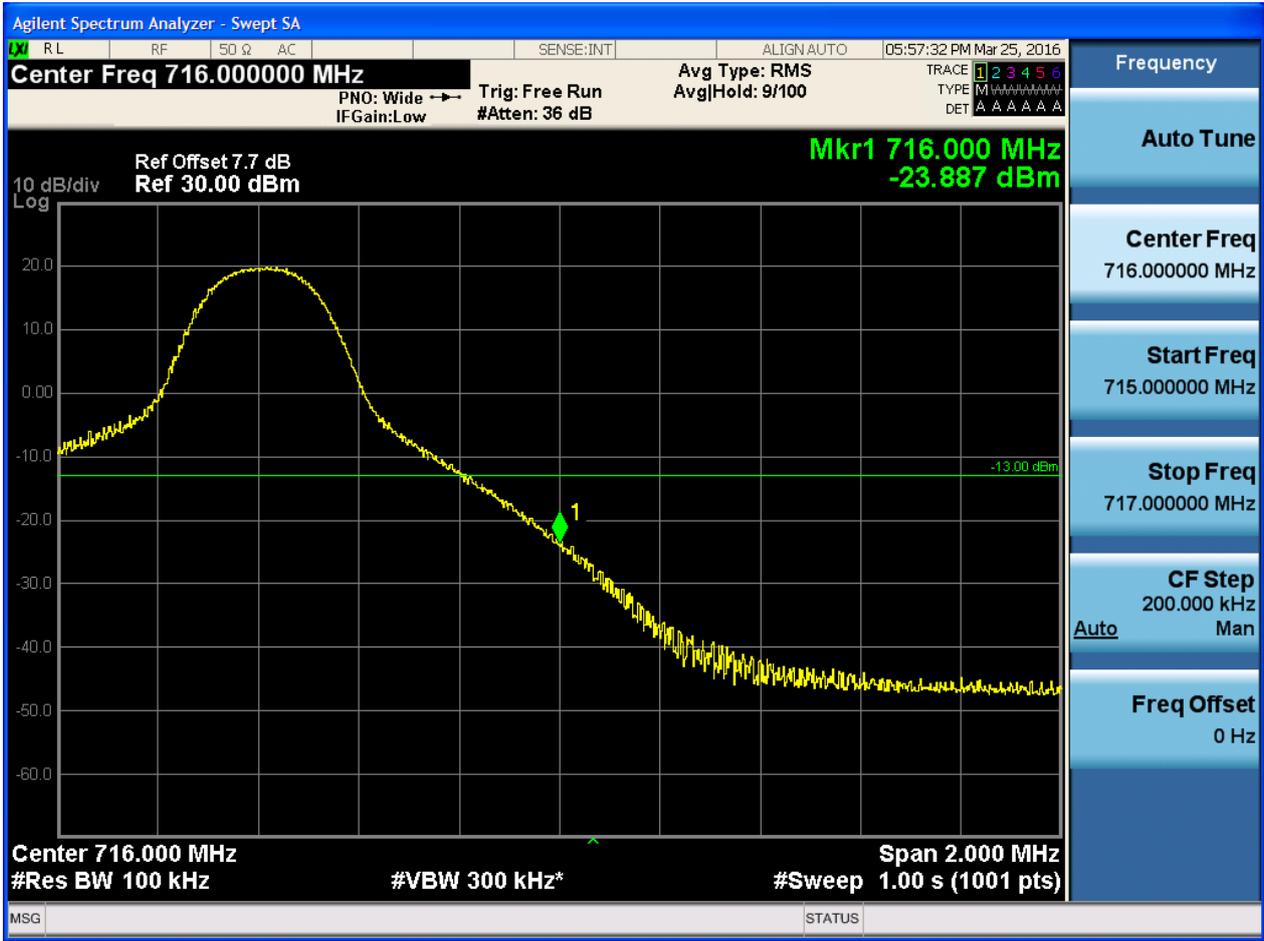
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



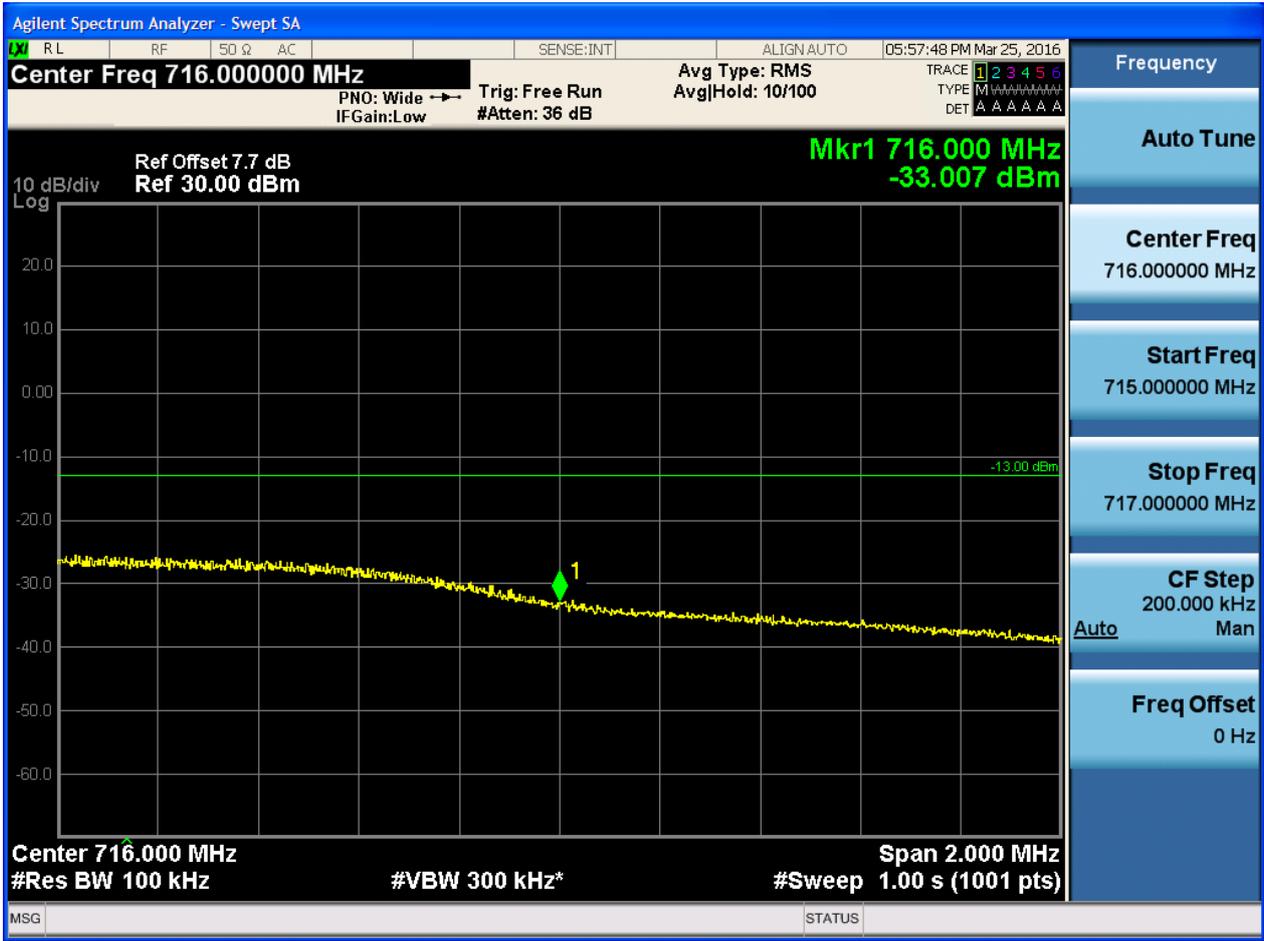


5.1.1.2.2.2 Test RB = RB1#49





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

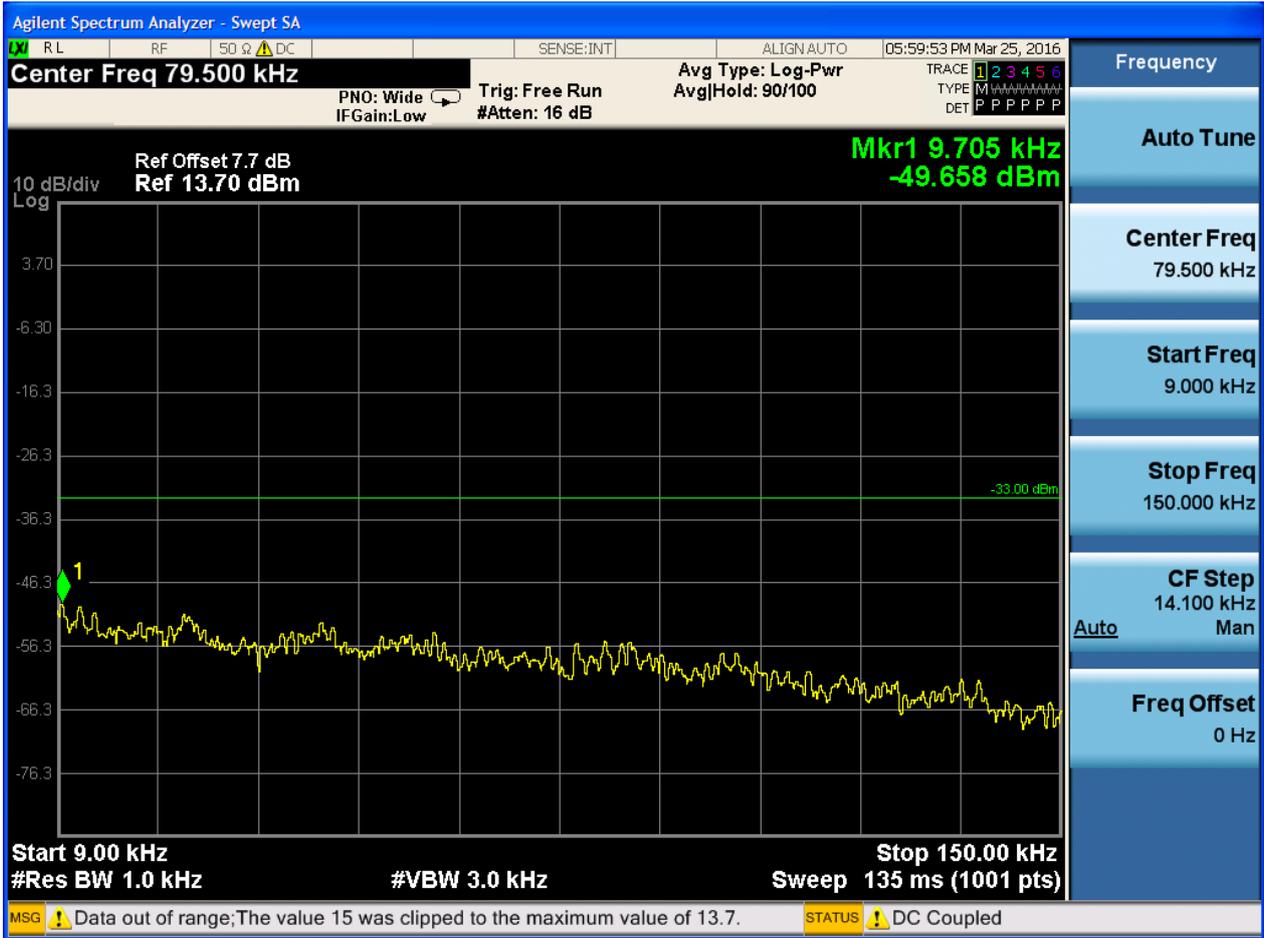
6.1.1 Test Band = BAND17

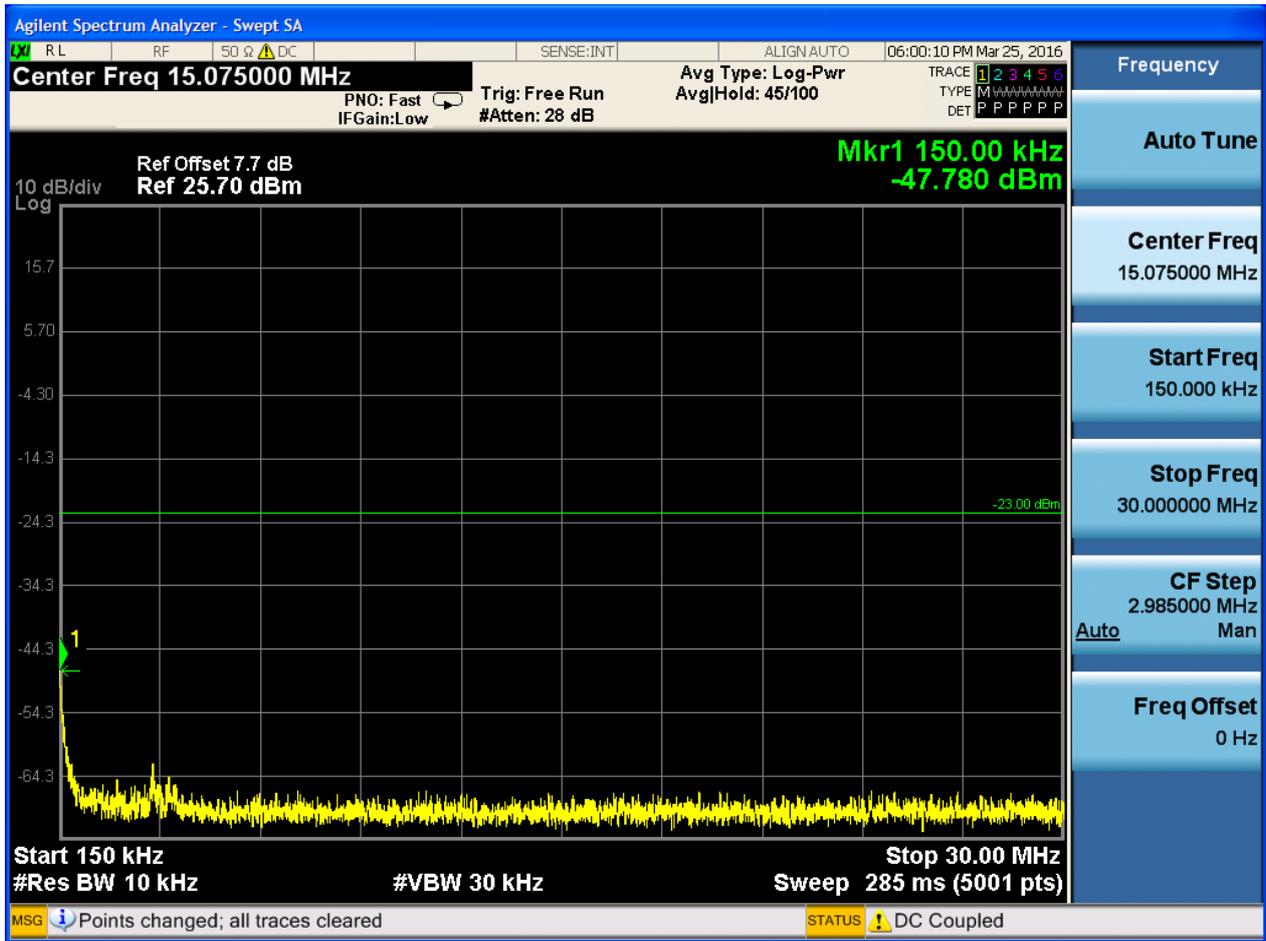
6.1.1.1 Test Mode = LTE/TM1

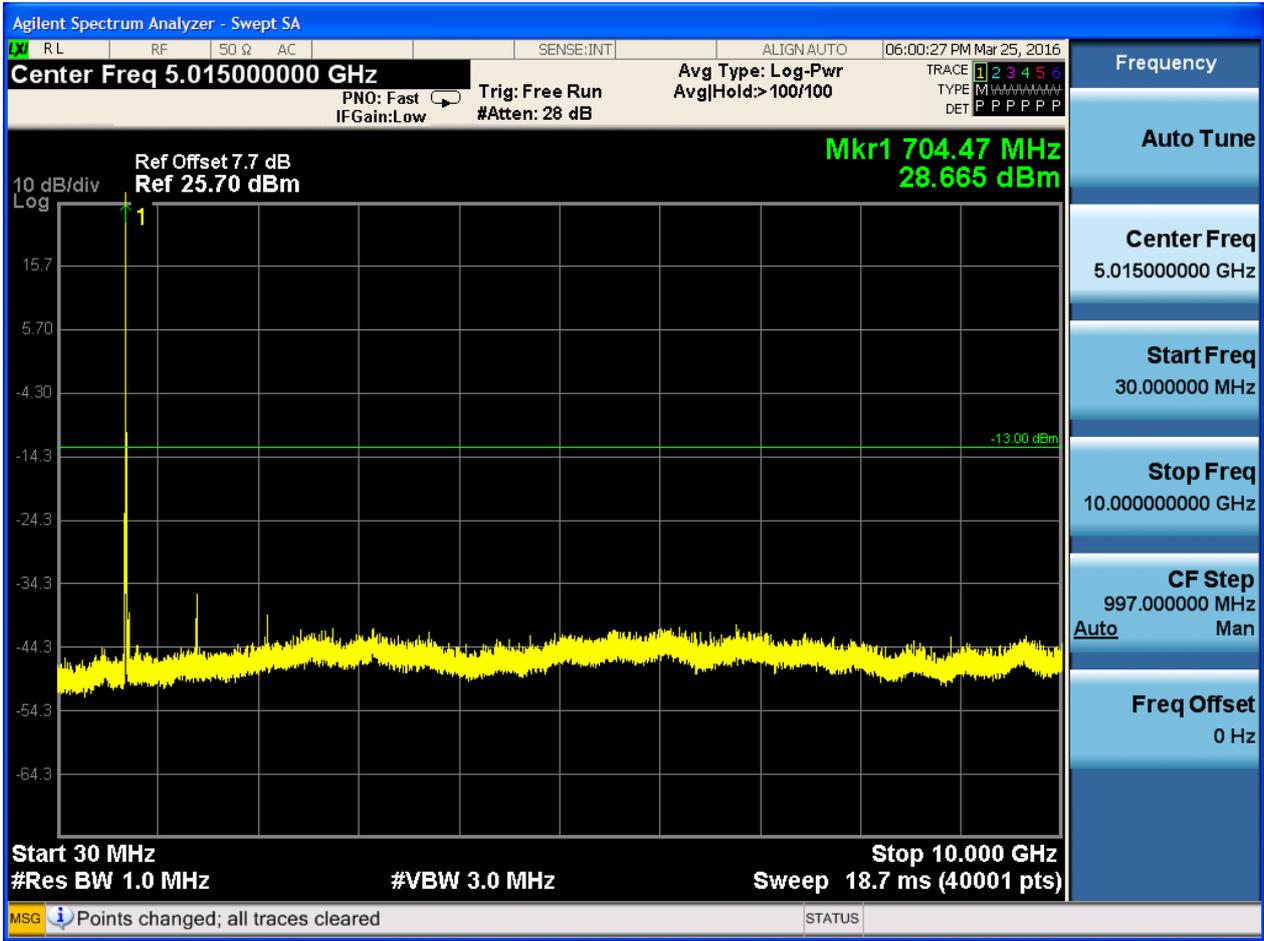
6.1.1.1.1 Test Bandwidth = 5

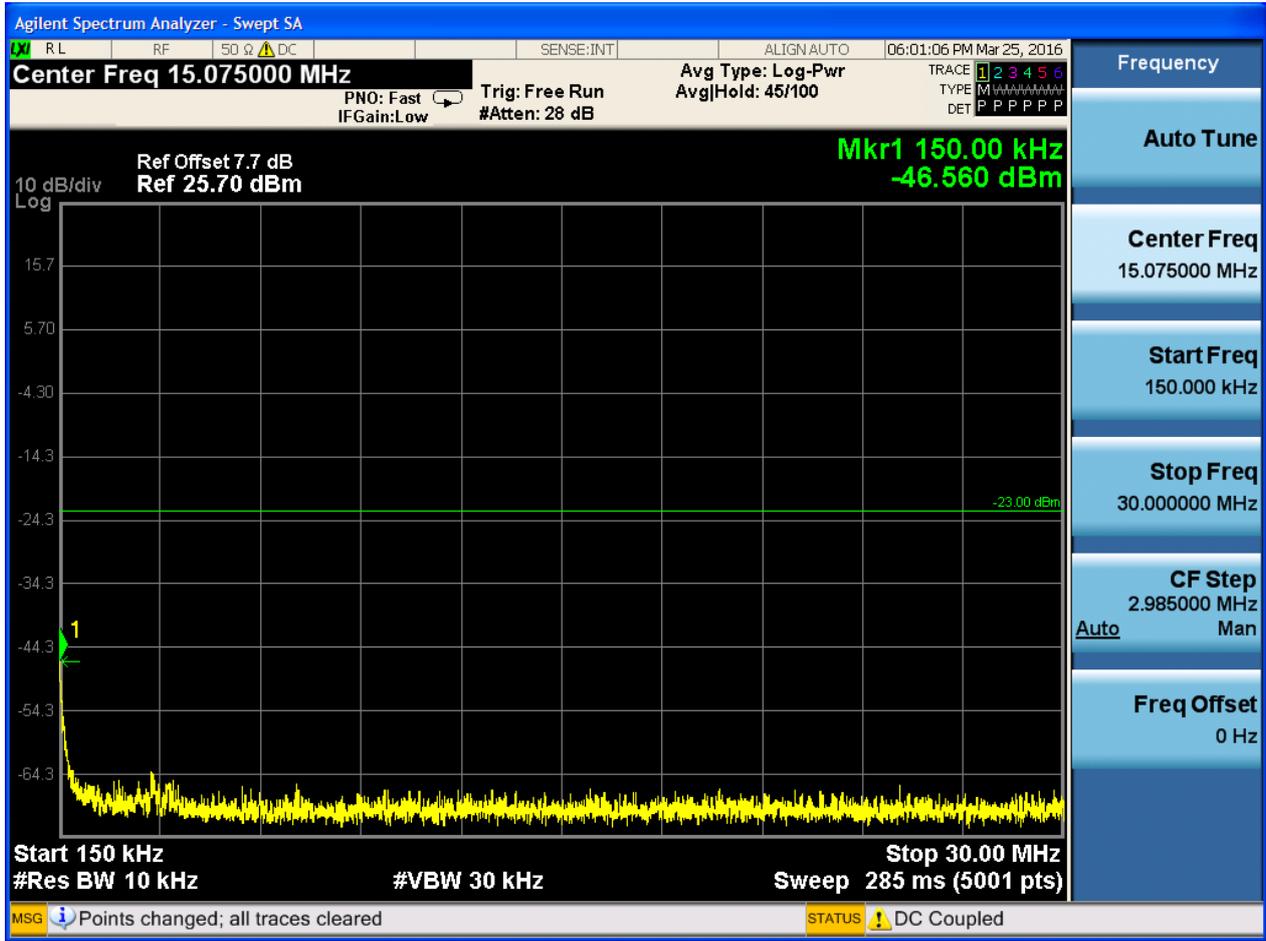
6.1.1.1.1.1 Test Channel = LCH

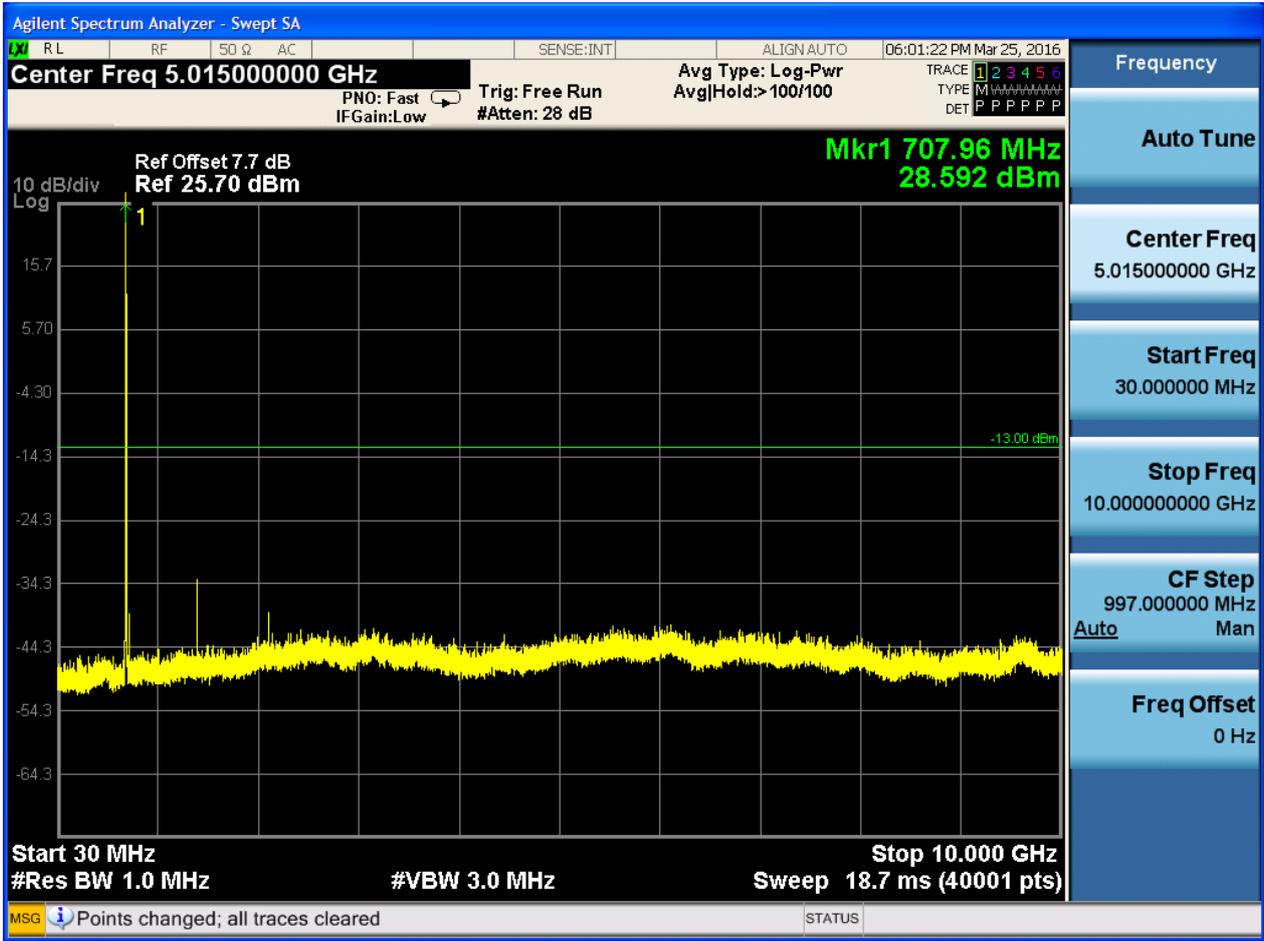
6.1.1.1.1.1.1 Test RB = RB1#0









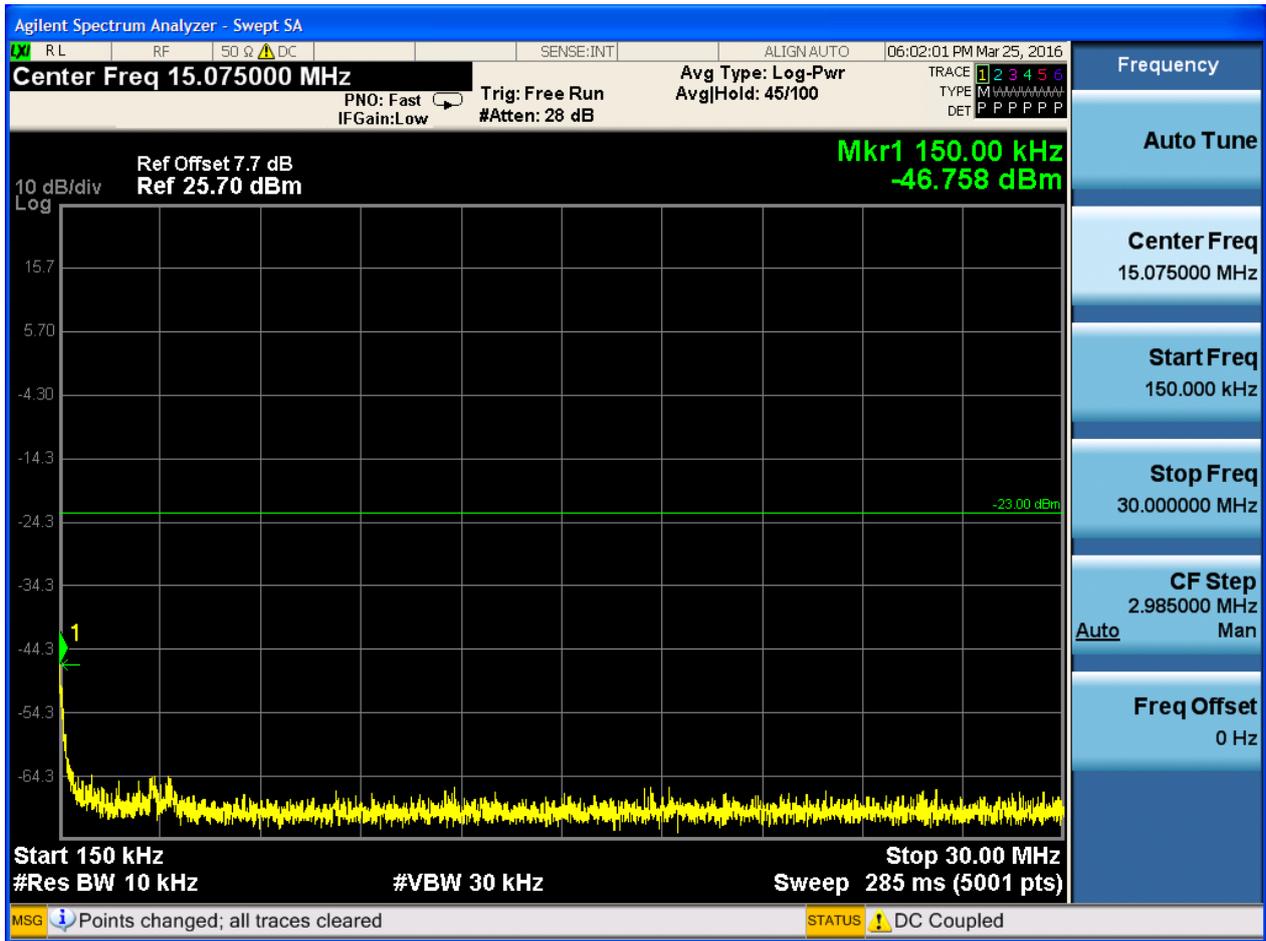




6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0







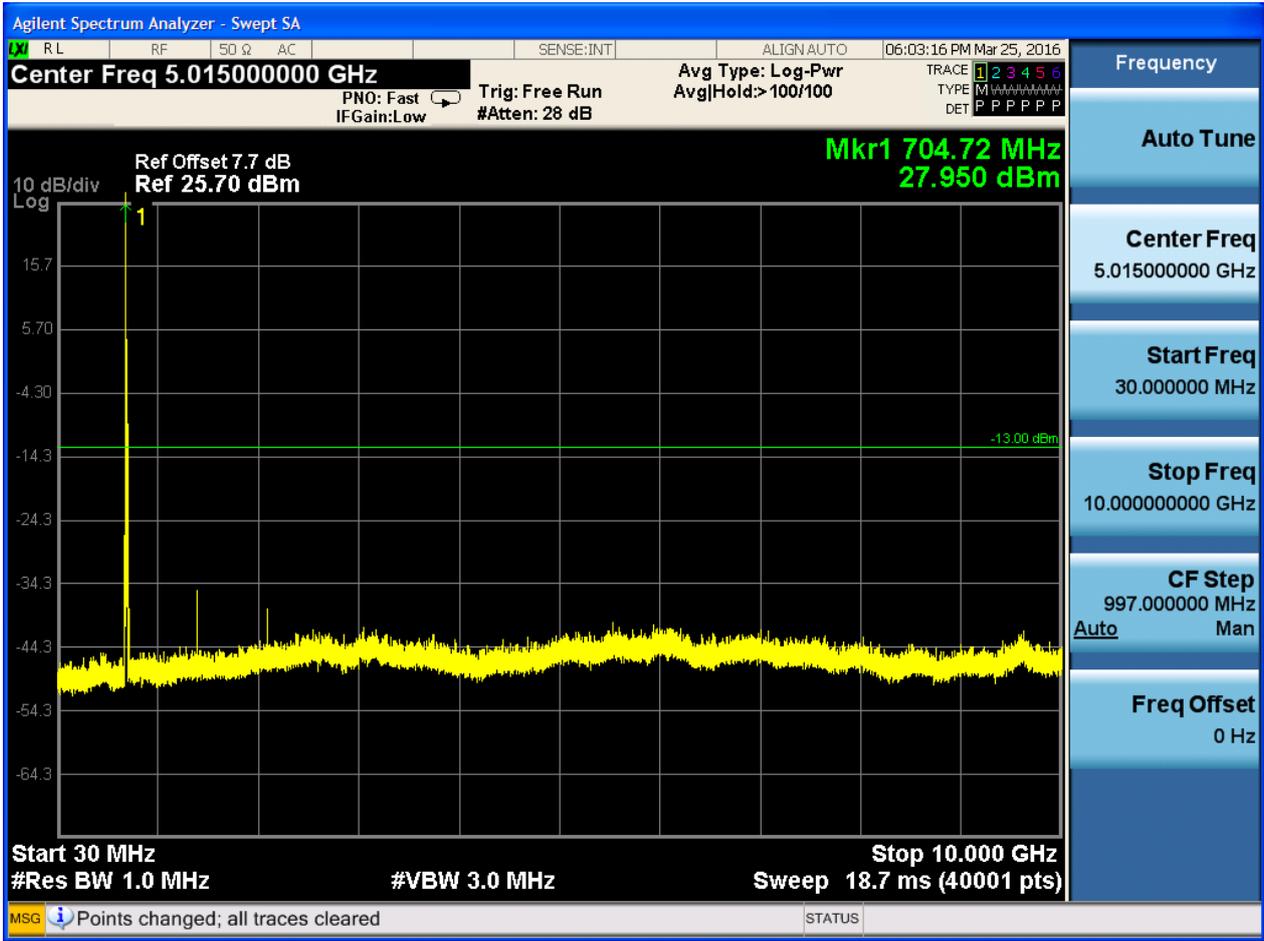
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0





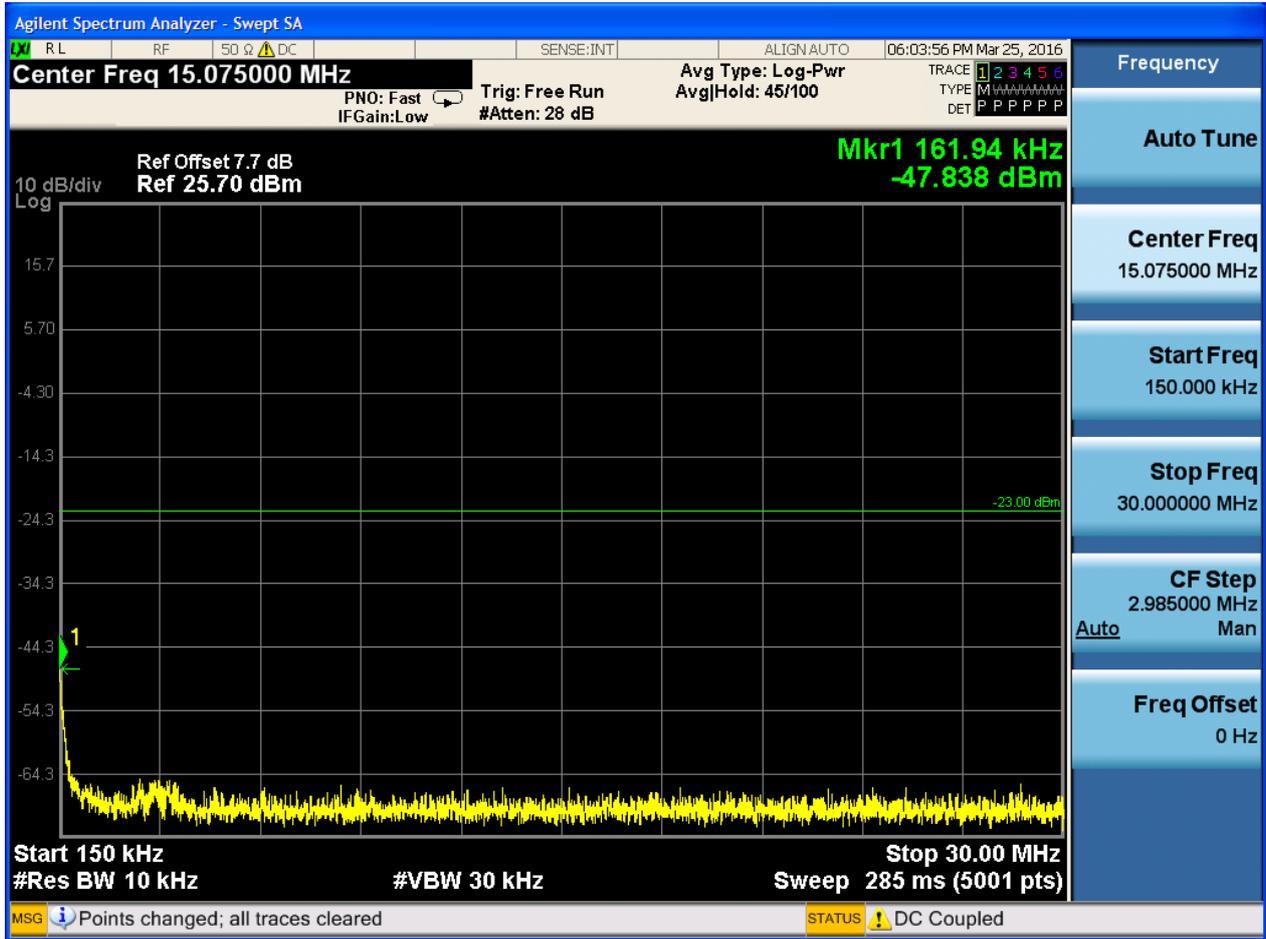


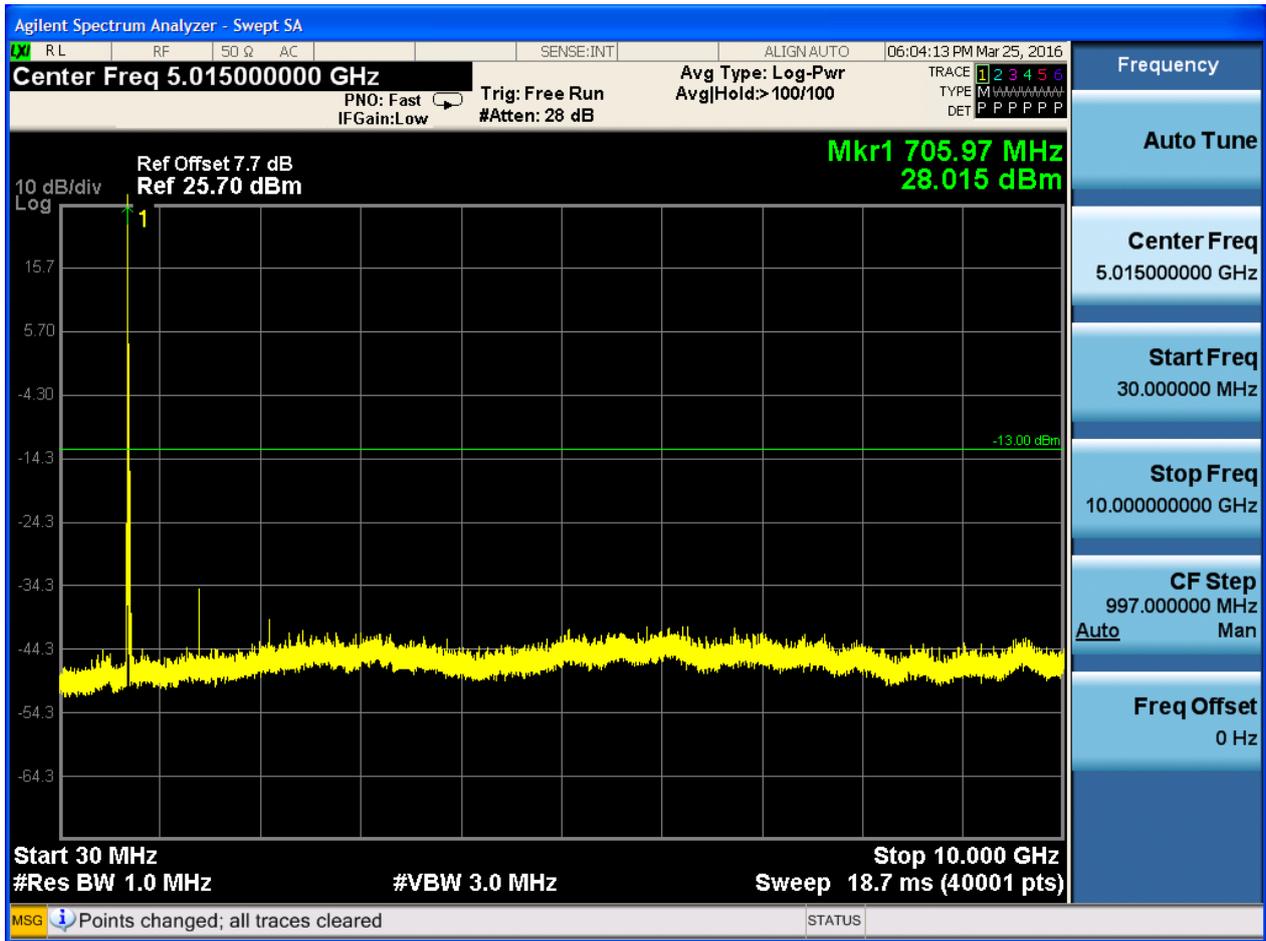


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

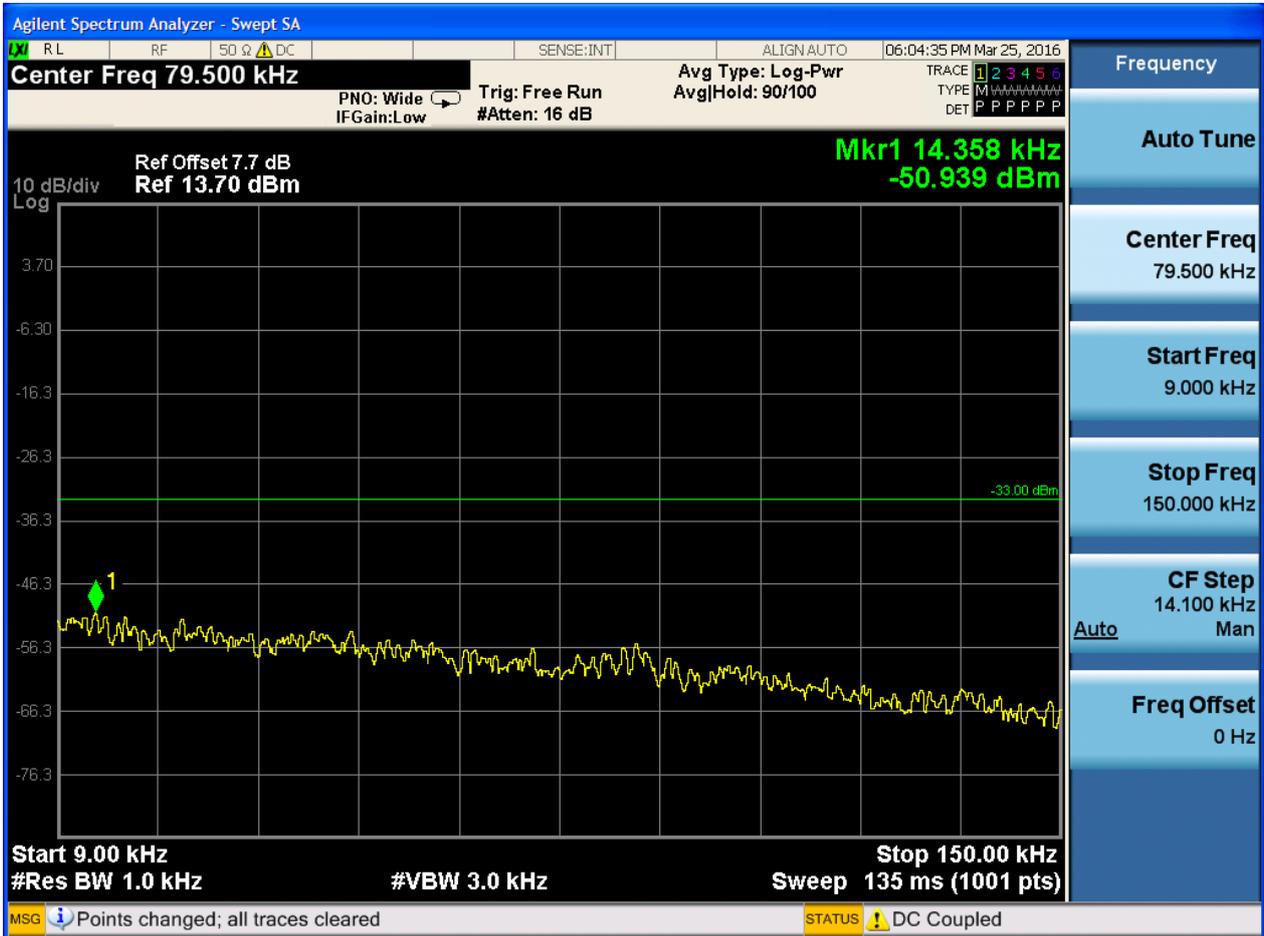


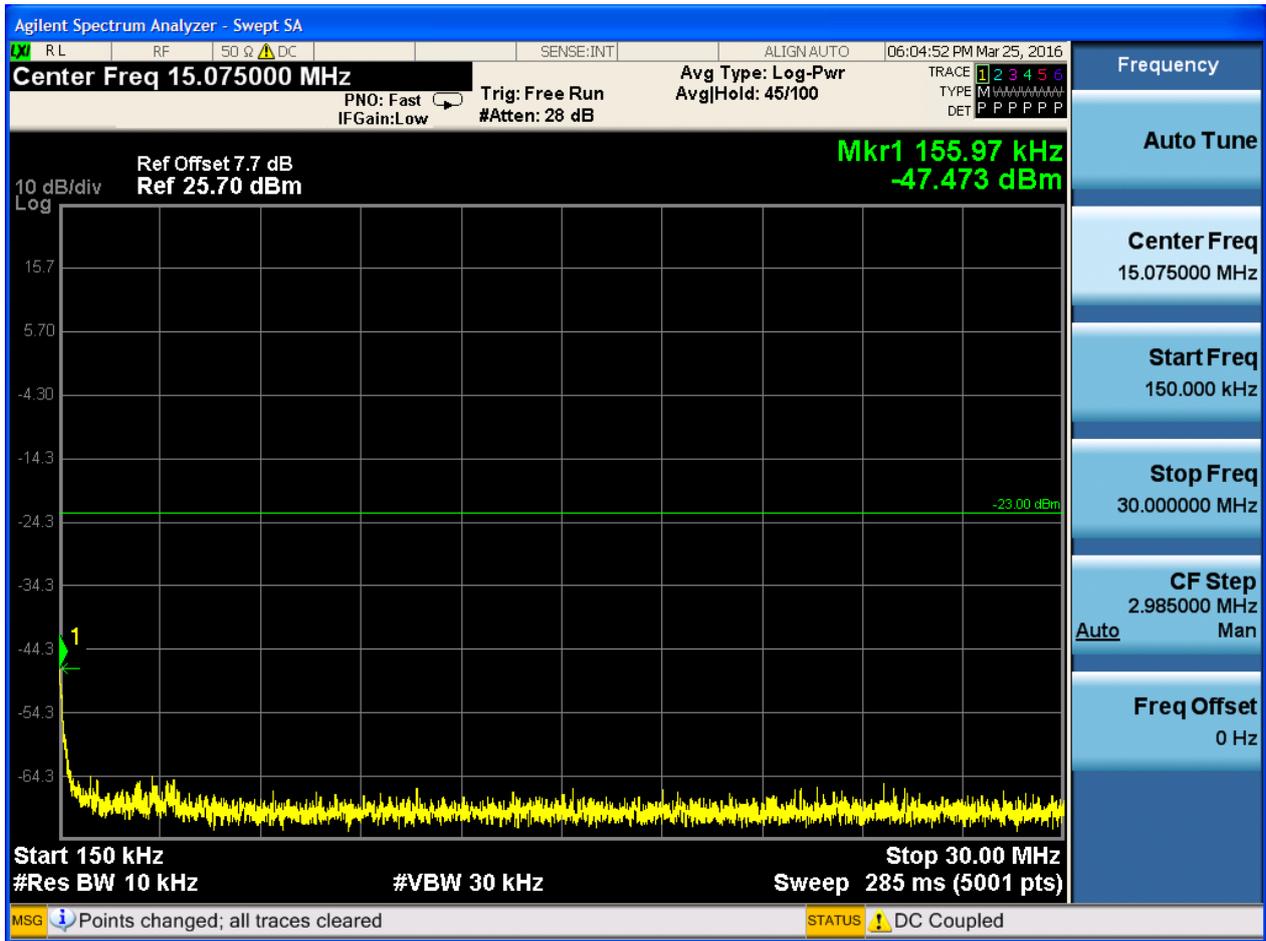


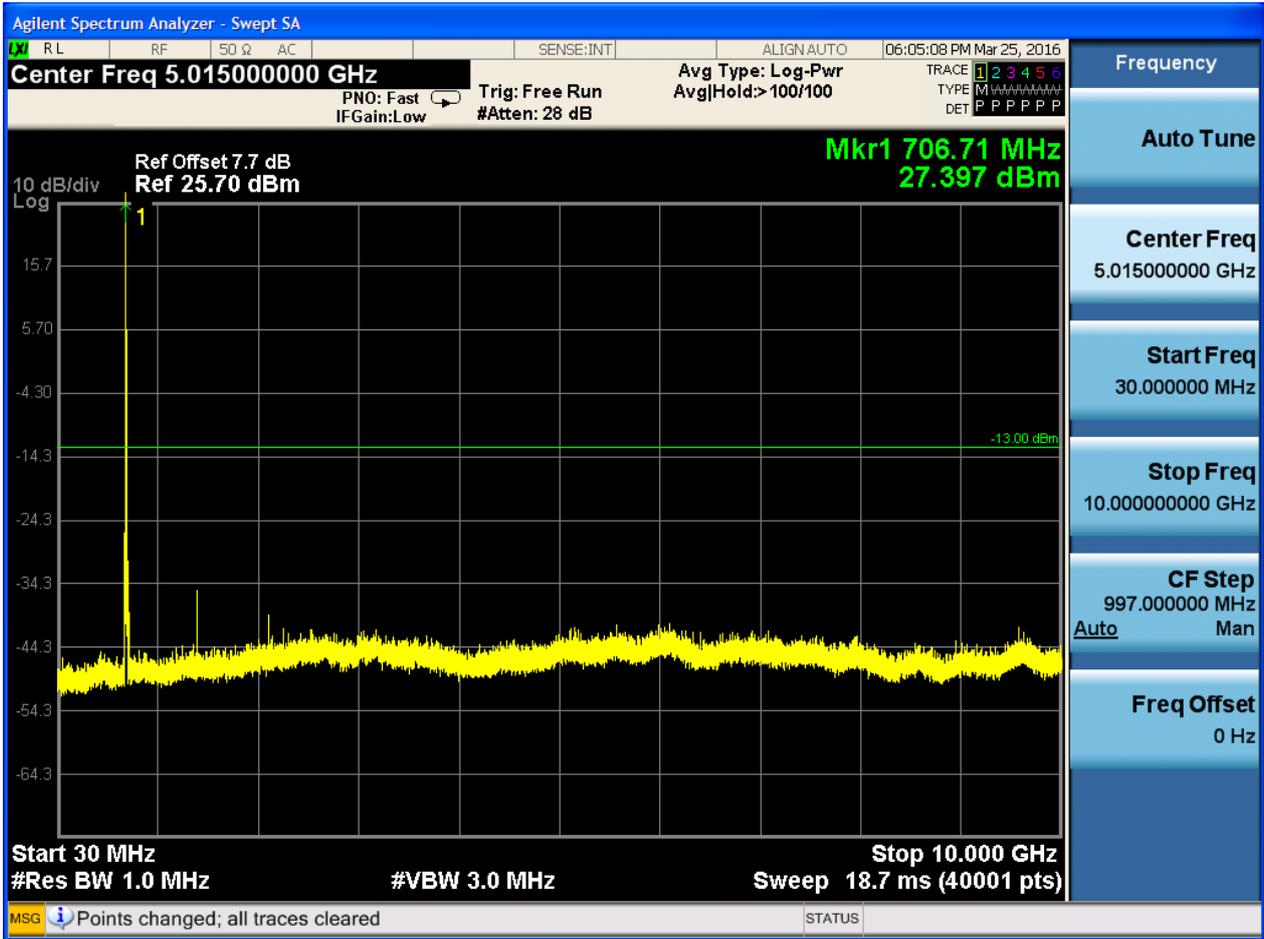


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0









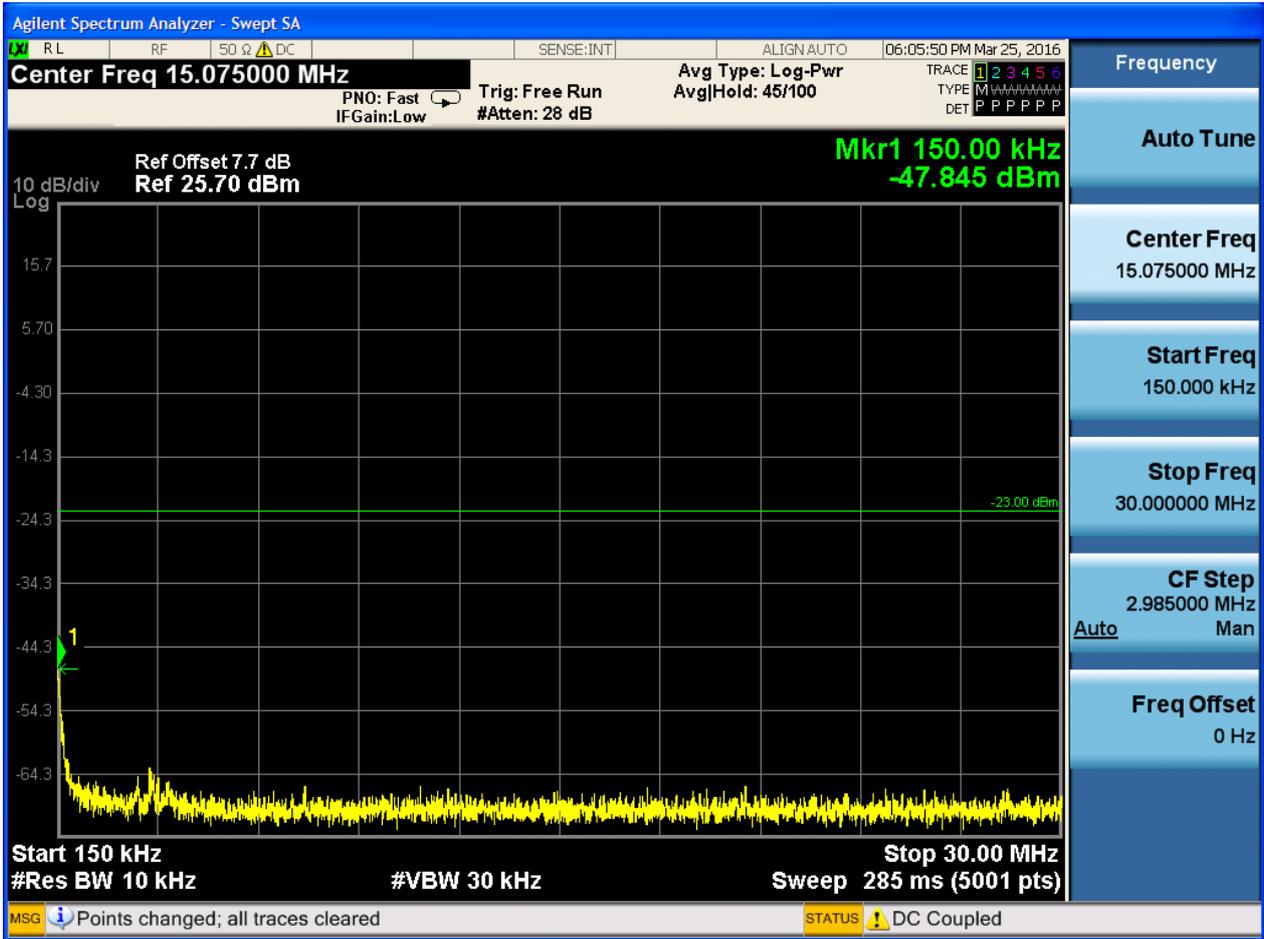
6.1.1.2 Test Mode = LTE/TM2

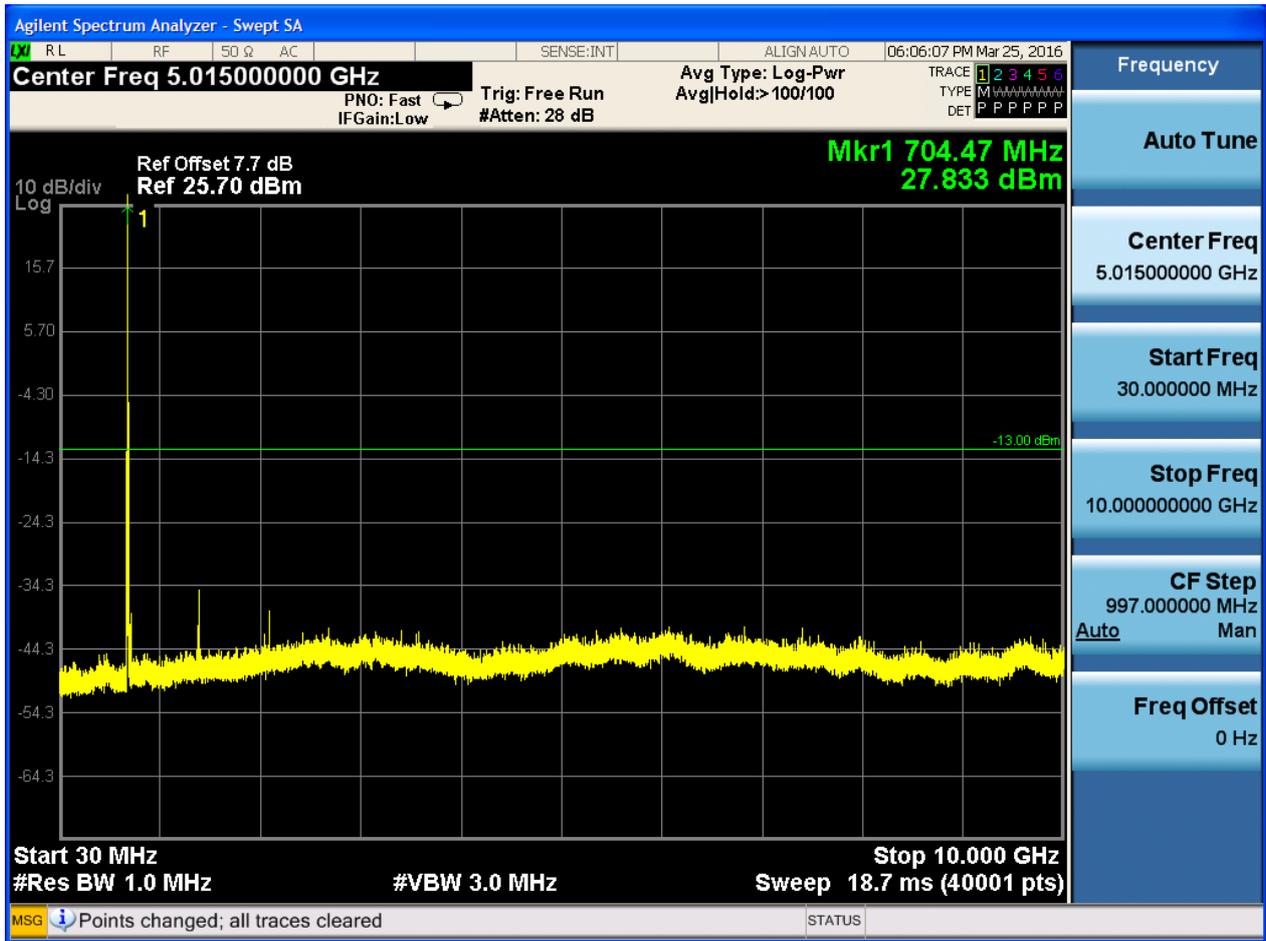
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



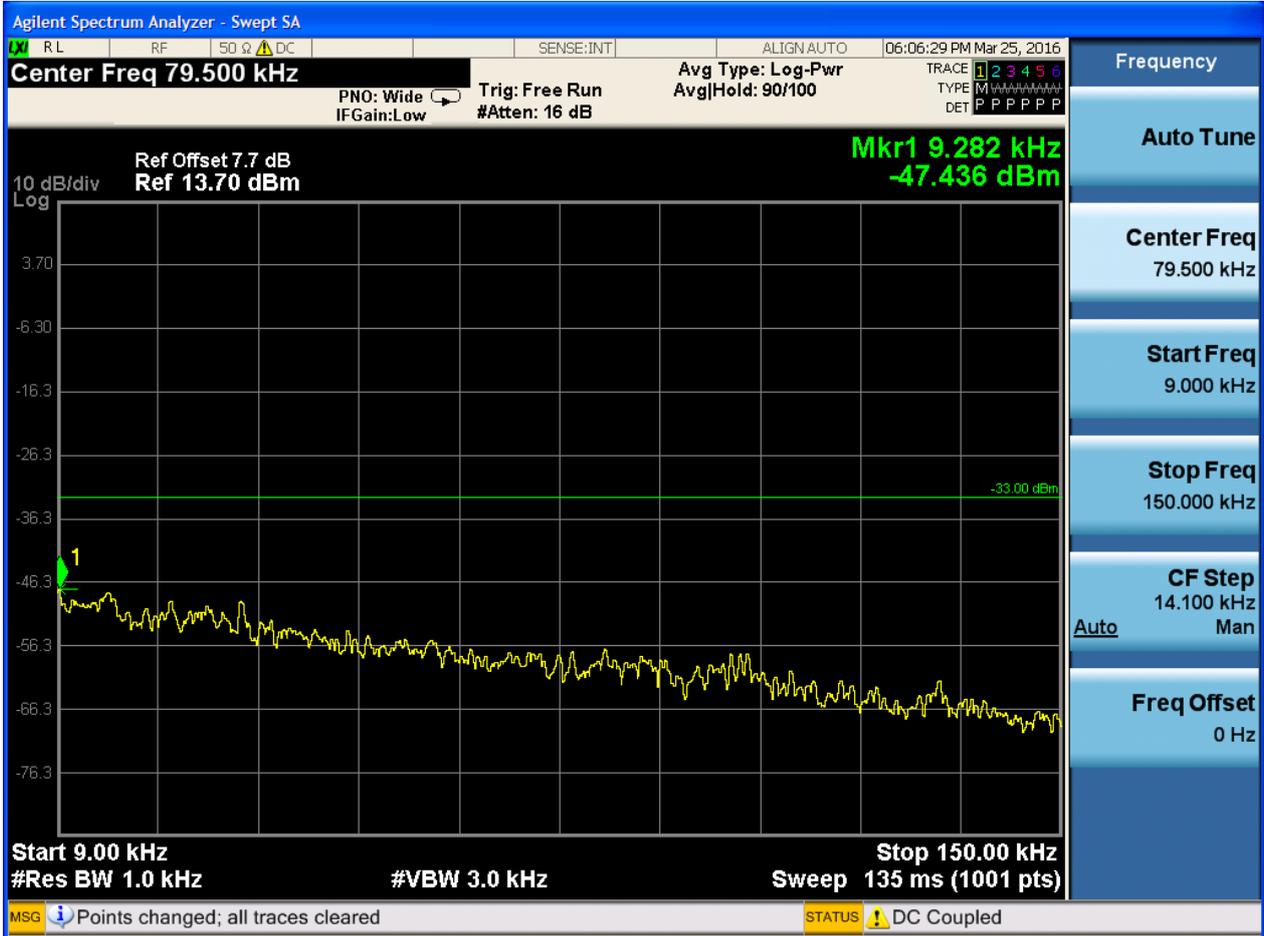


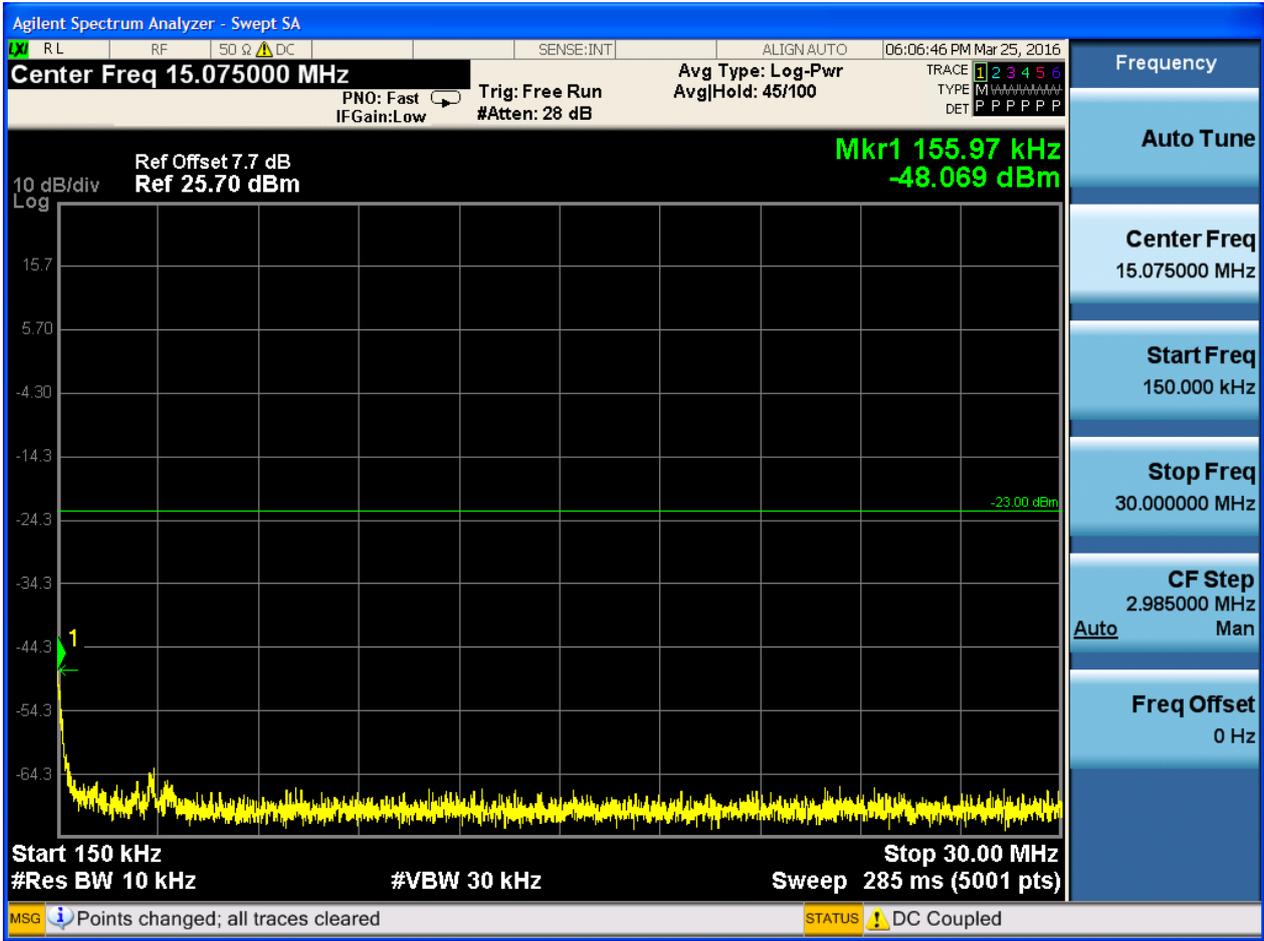


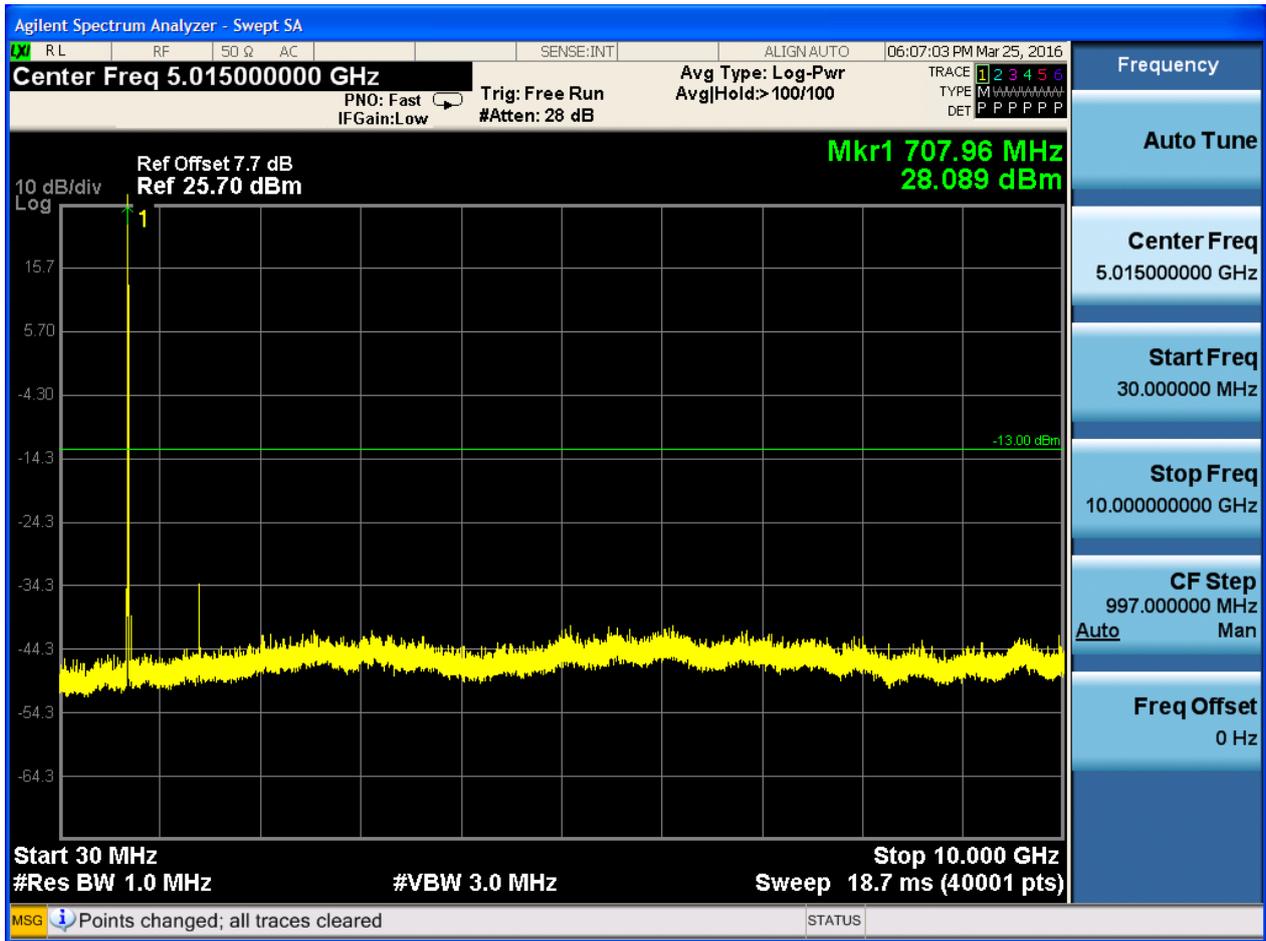


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





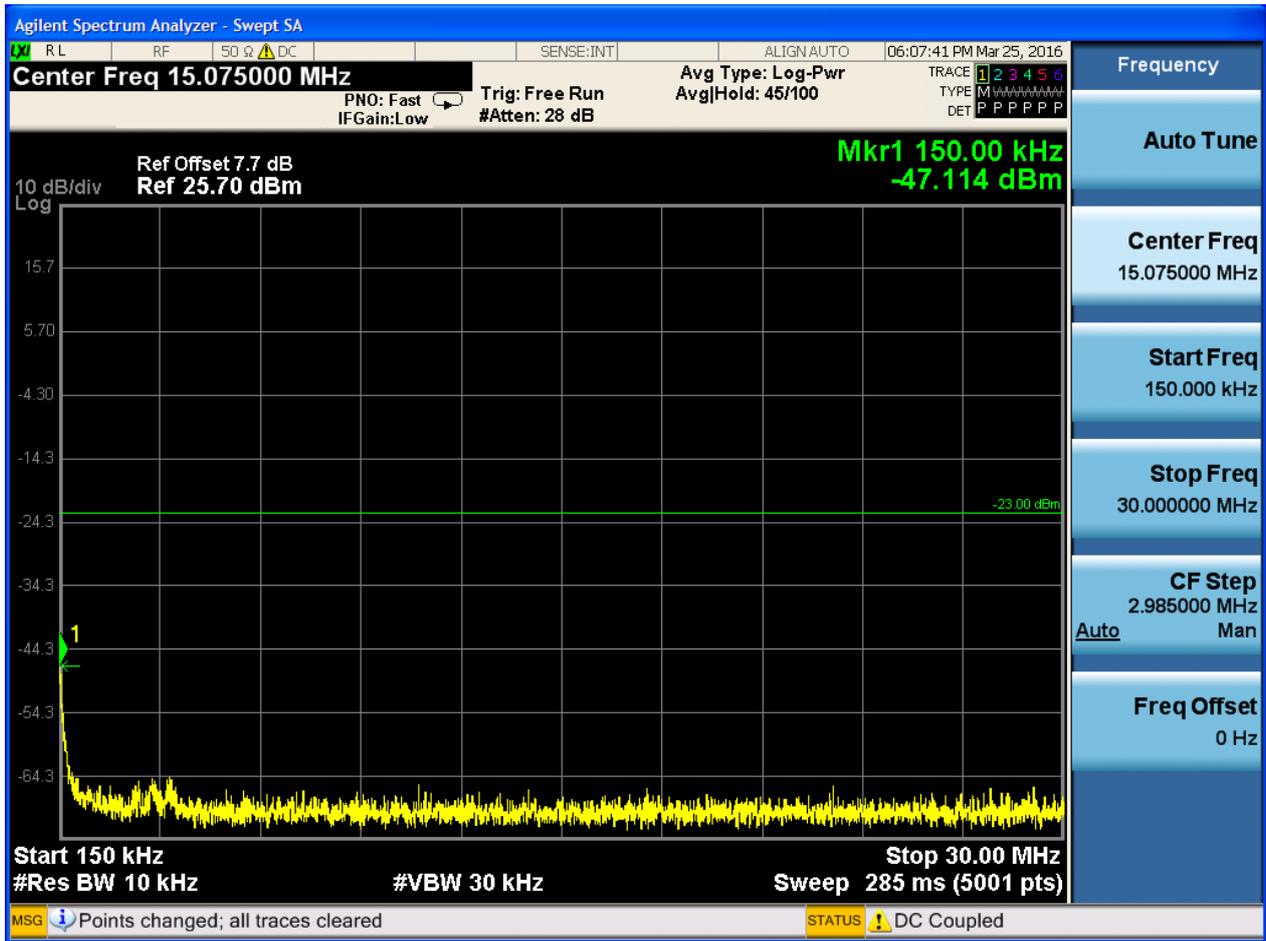


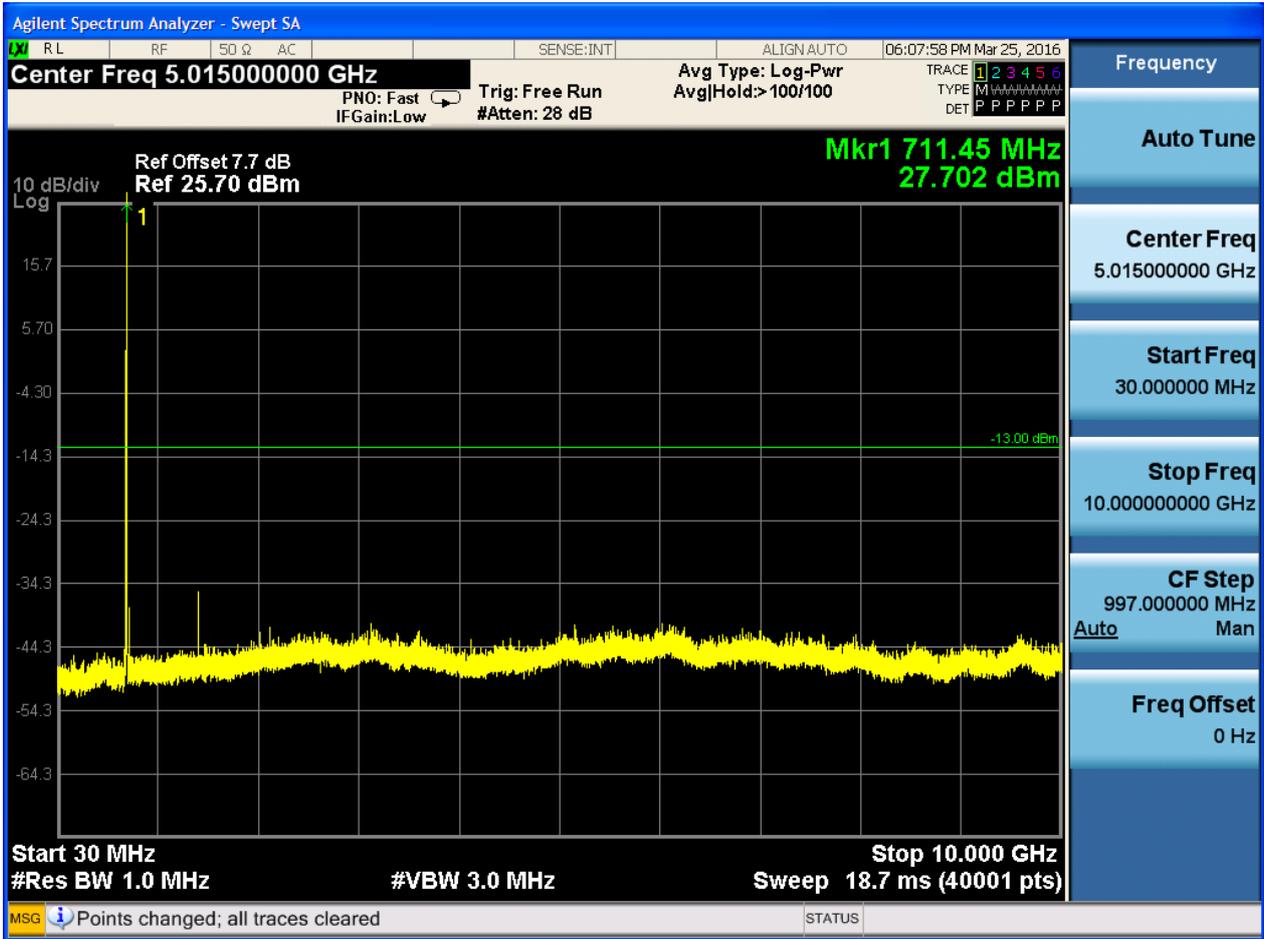


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







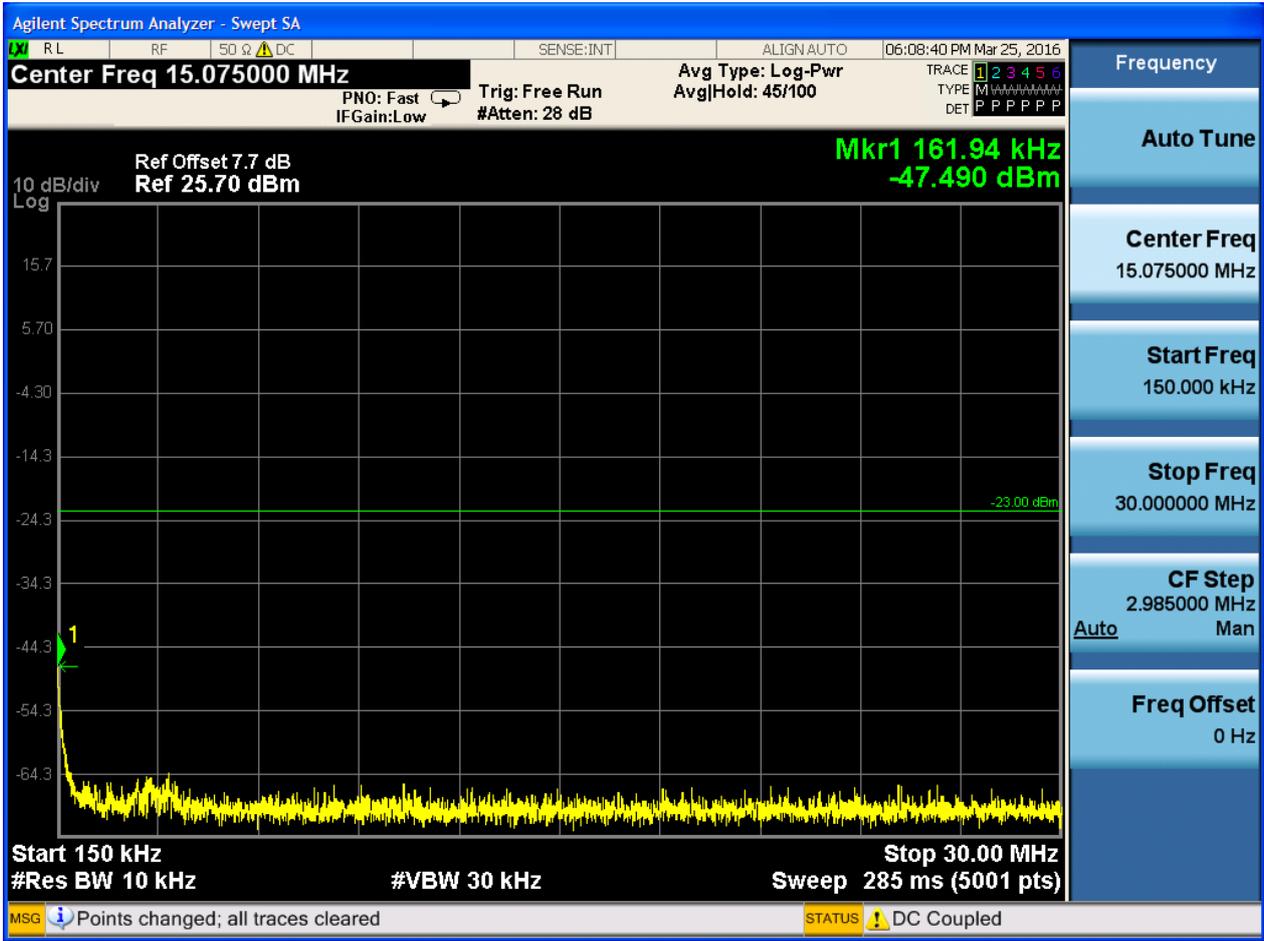


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

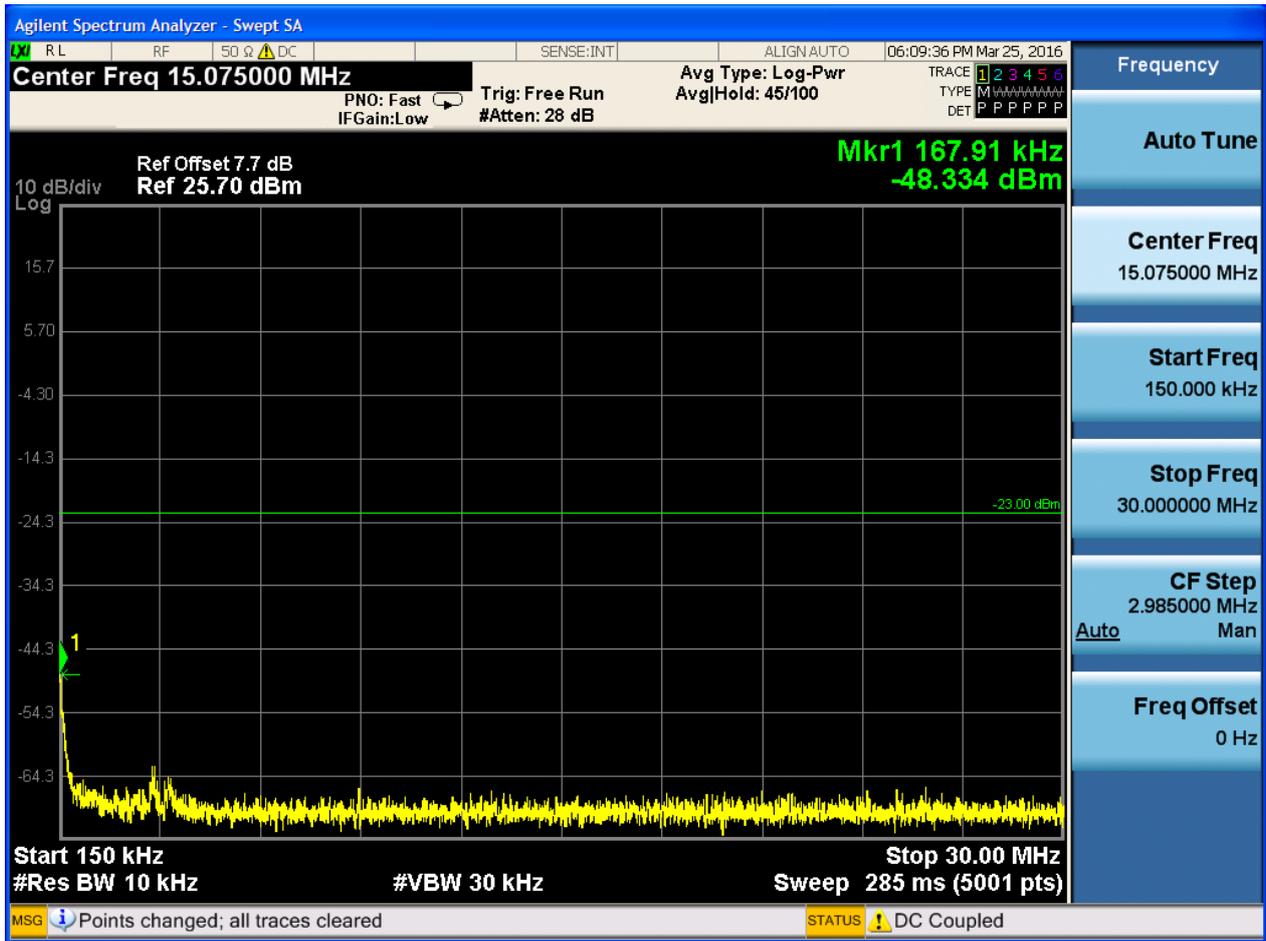


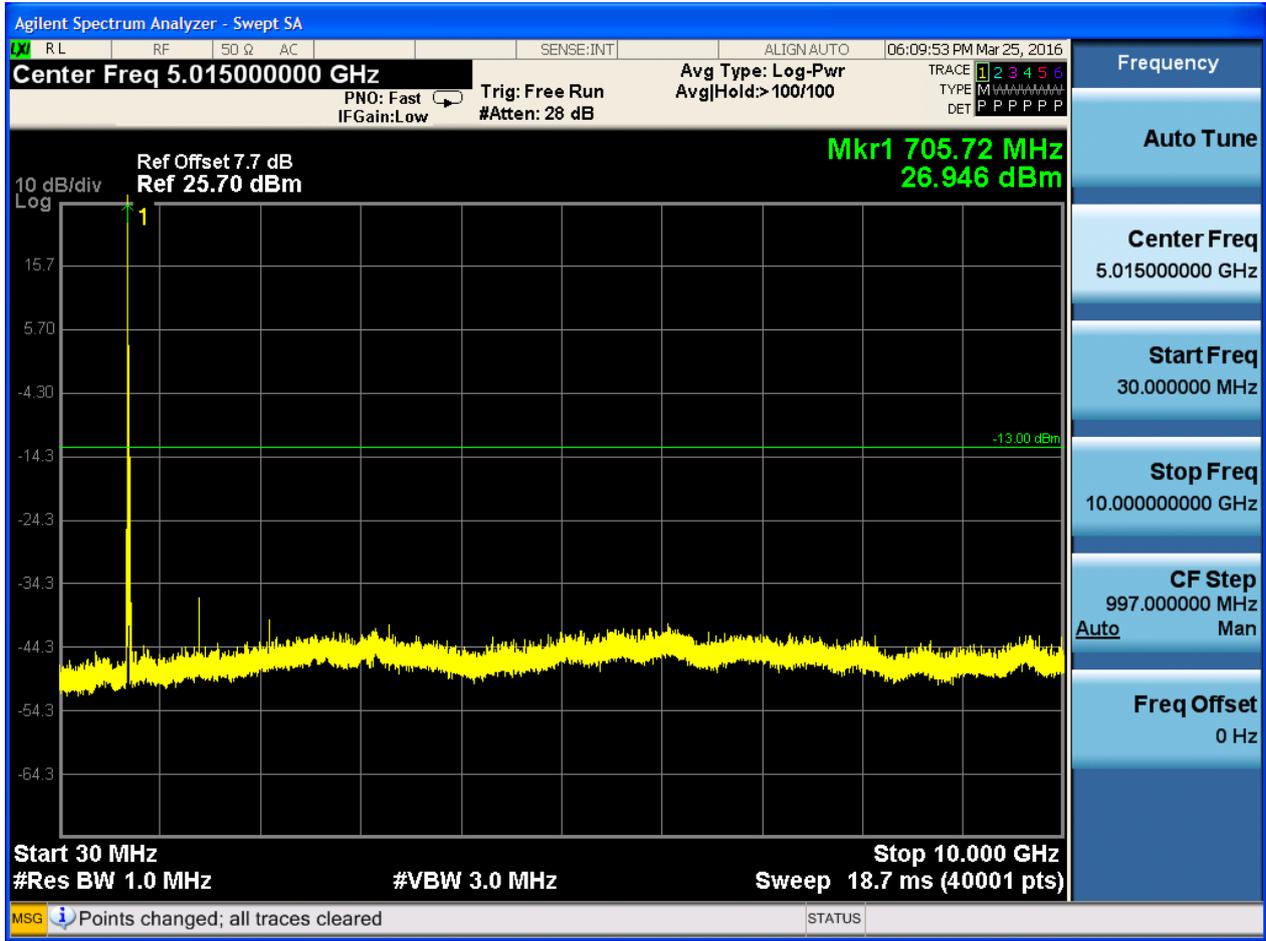


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



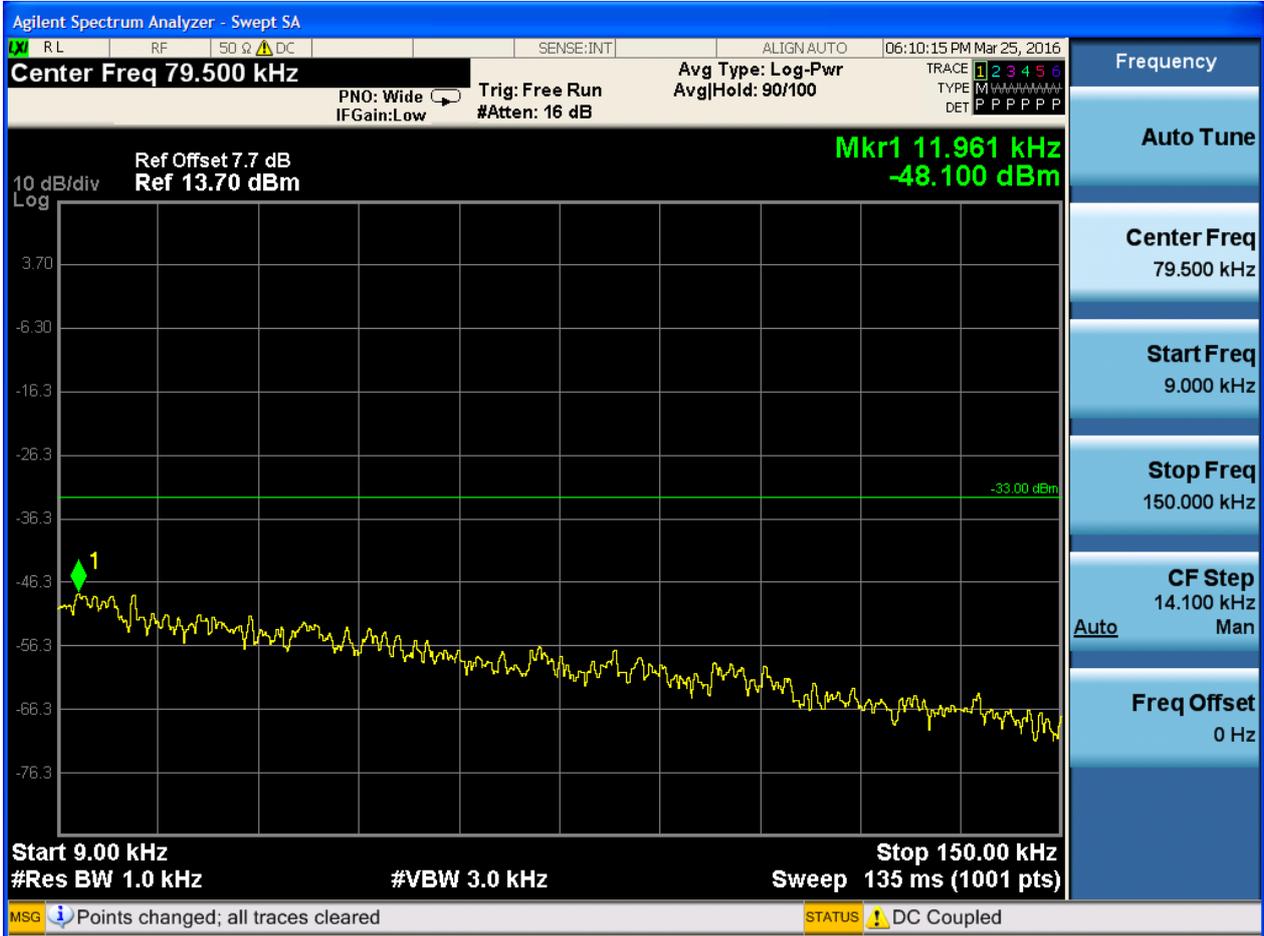




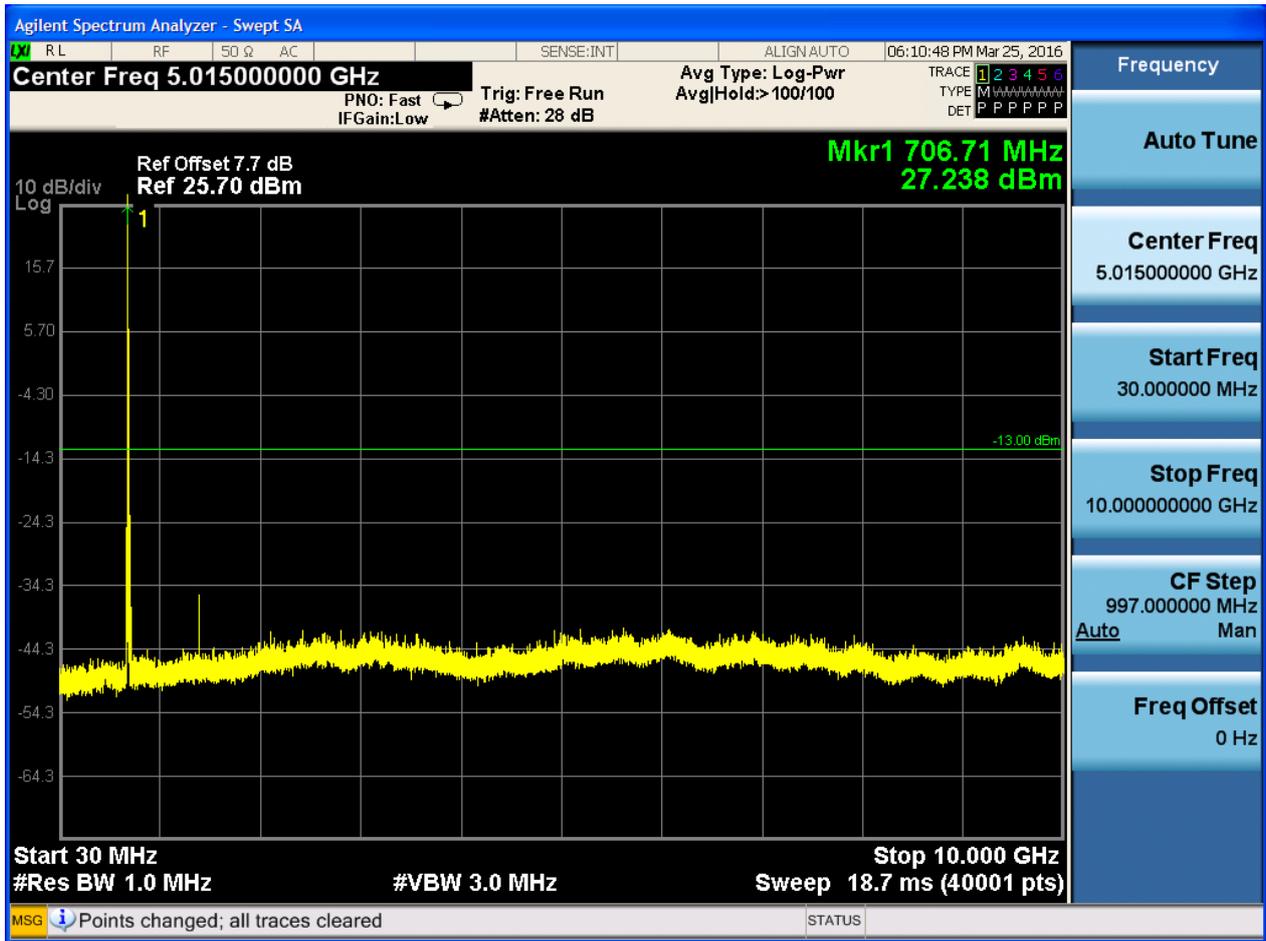


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note:

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

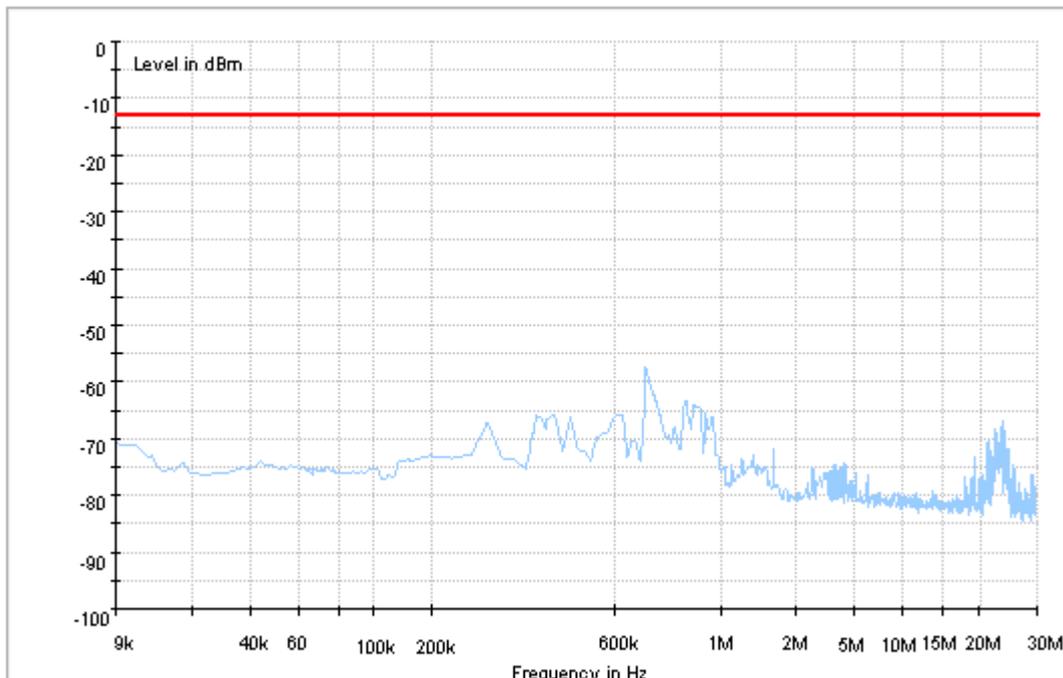
We tested all modes, but the data presented below is the worst case.

Part I - Test Plots

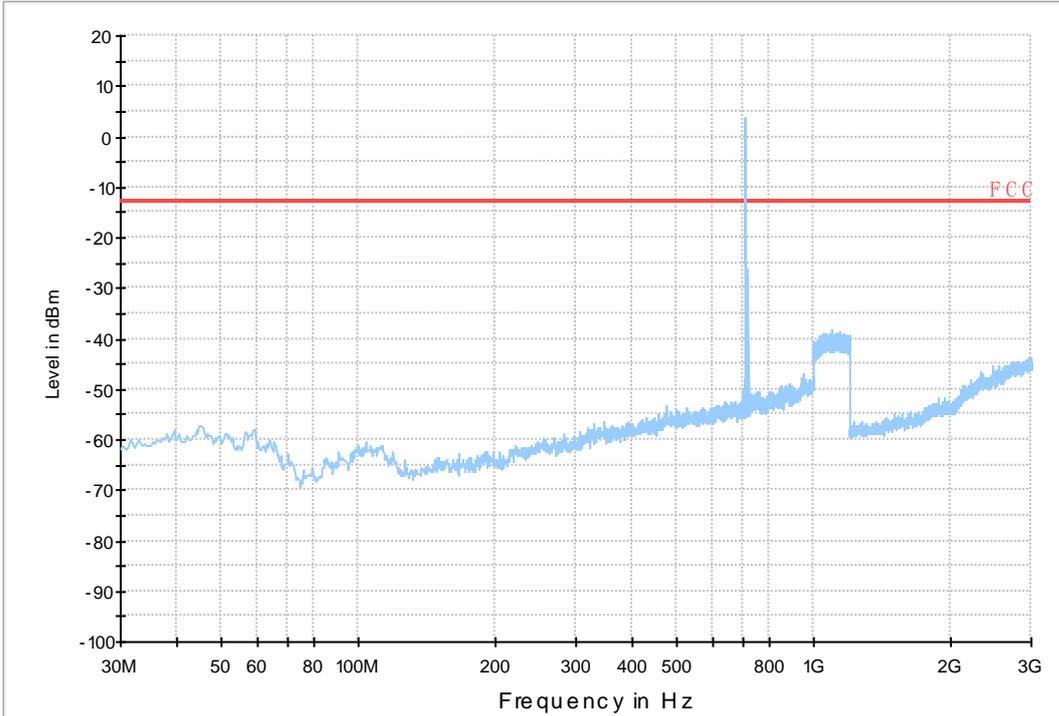
7.1 For LTE

7.1.1 Test Band = BAND17

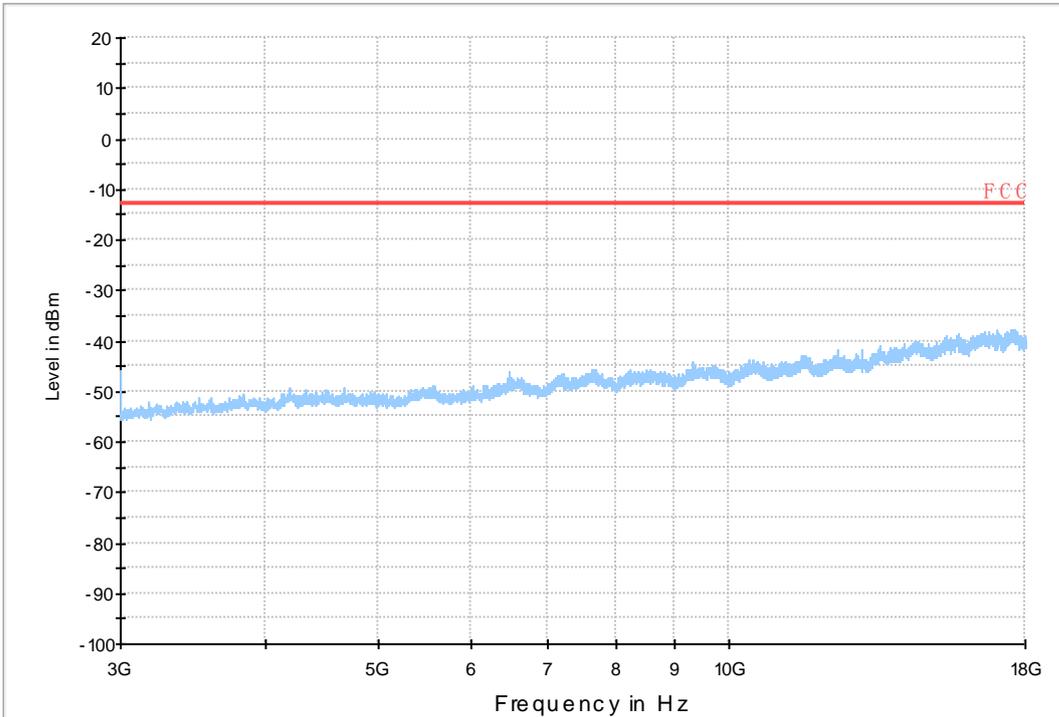
7.1.1.1 Test Bandwidth = 5



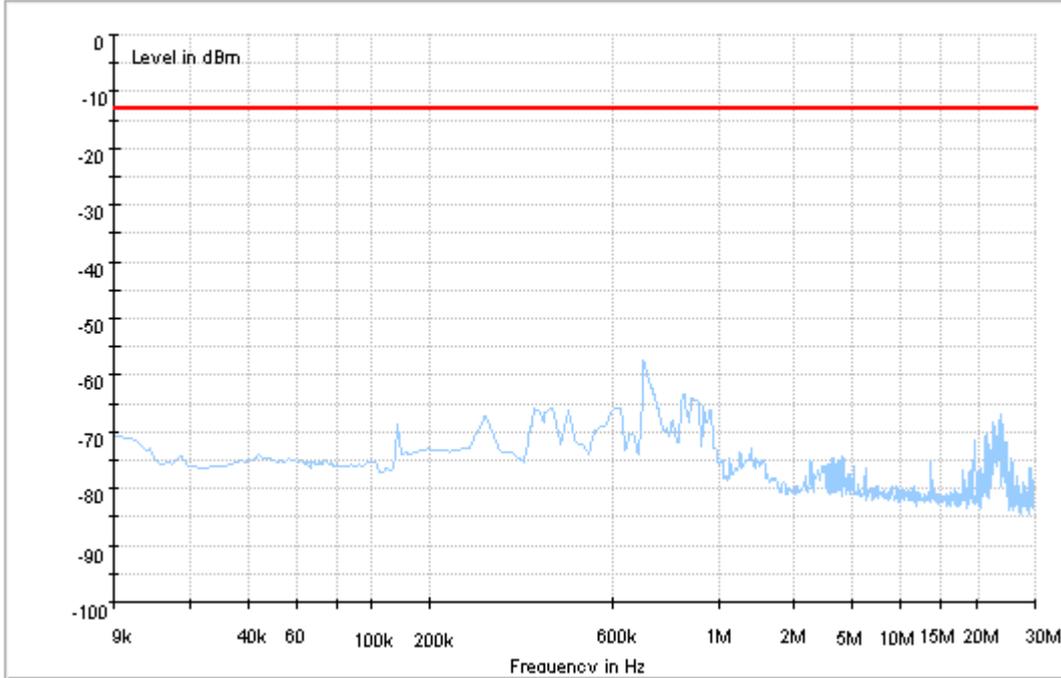
Copy of RSE-TX-DIRECTOR BELOW 1G_L



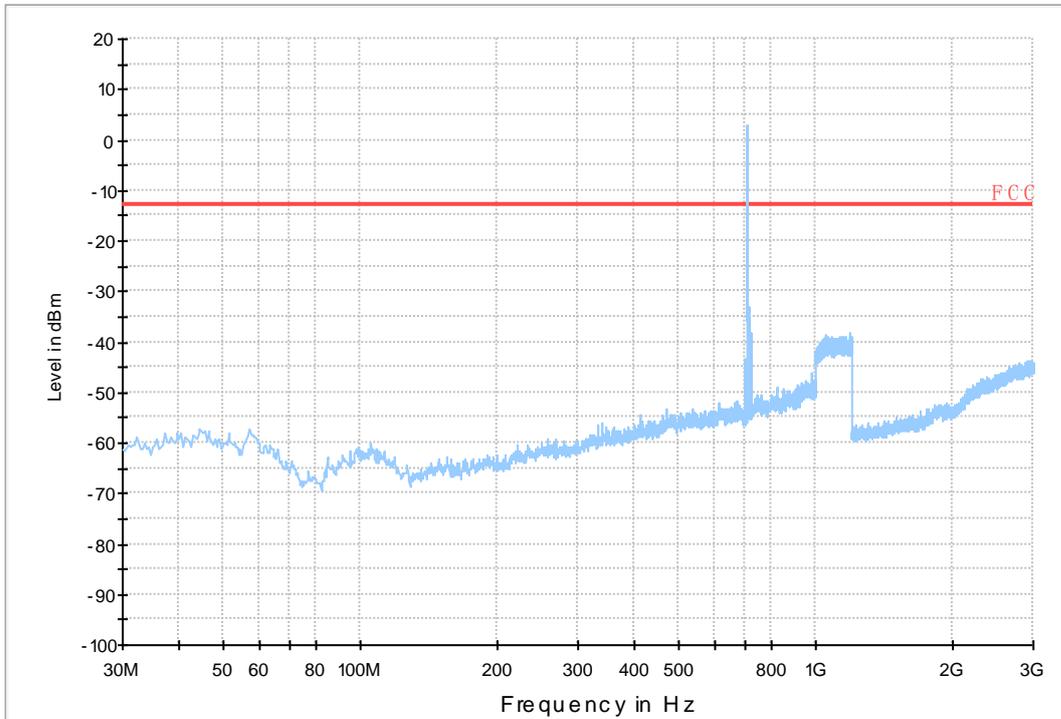
Copy of RSE-TX-DIRECTOR BELOW 1G_H



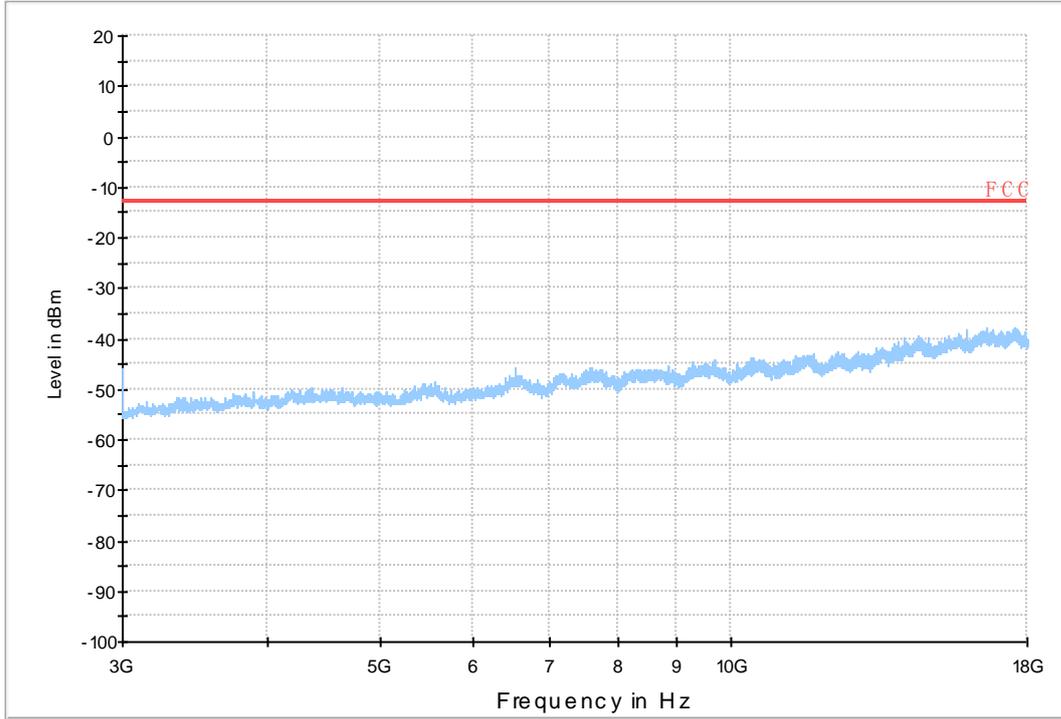
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1	5	LCH	TN	VL	-2.22	-0.00314	PASS
					VN	-5.54	-0.00784	PASS
					VH	1.86	0.00263	PASS
			MCH	TN	VL	-2.46	-0.00346	PASS
					VN	2.68	0.00377	PASS
					VH	3.42	0.00482	PASS
			HCH	TN	VL	-22.43	-0.03144	PASS
					VN	2.53	0.00355	PASS
					VH	-5.45	-0.00764	PASS
		10	LCH	TN	VL	-0.24	-0.00034	PASS
					VN	-0.46	-0.00065	PASS
					VH	0.63	0.00089	PASS
			MCH	TN	VL	-1.93	-0.00272	PASS
					VN	-1.3	-0.00183	PASS
					VH	-0.7	-0.00099	PASS
	HCH		TN	VL	0.2	0.00028	PASS	
				VN	-0.76	-0.00107	PASS	
				VH	2.12	0.00298	PASS	
	LTE/TM2	5	LCH	TN	VL	1.34	0.0019	PASS
					VN	3.3	0.00467	PASS
					VH	-1.44	-0.00204	PASS
			MCH	TN	VL	2.9	0.00408	PASS
					VN	2.29	0.00323	PASS
					VH	2.83	0.00399	PASS
			HCH	TN	VL	-1.34	-0.00188	PASS
					VN	-1.63	-0.00228	PASS
					VH	3.16	0.00443	PASS
10		LCH	TN	VL	-1.96	-0.00276	PASS	
				VN	-1.22	-0.00172	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-0.16	-0.00023	PASS
			MCH	TN	VL	1.34	0.00189	PASS
					VN	-0.69	-0.00097	PASS
					VH	-0.67	-0.00094	PASS
			HCH	TN	VL	-0.56	-0.00079	PASS
					VN	-0.19	-0.00027	PASS
					VH	0.06	0.00008	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	-2.2	-0.00311	PASS
					-20	-2.16	-0.00306	PASS
					-10	-2.19	-0.0031	PASS
					0	-0.57	-0.00081	PASS
					10	-2.5	-0.00354	PASS
					20	-0.56	-0.00079	PASS
					30	-3.69	-0.00522	PASS
					40	-5.55	-0.00786	PASS
					50	6.35	0.00899	PASS
			MCH	VN	-30	0.97	0.00137	PASS
					-20	0.34	0.00048	PASS
					-10	1.63	0.0023	PASS
					0	4.43	0.00624	PASS
					10	-0.26	-0.00037	PASS
					20	-2.12	-0.00299	PASS
					30	-5.46	-0.00769	PASS
					40	-19.38	-0.0273	PASS
					50	3.68	0.00518	PASS
			HCH	VN	-30	1.42	0.00199	PASS
					-20	-0.46	-0.00064	PASS
					-10	-1.13	-0.00158	PASS
					0	-2.09	-0.00293	PASS
					10	0.99	0.00139	PASS
					20	-10.6	-0.01486	PASS
30	-2.35	-0.00329			PASS			
40	0.3	0.00042	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	3.65	0.00512	PASS
					-30	-0.24	-0.00034	PASS
					-20	0.8	0.00113	PASS
					-10	-0.3	-0.00042	PASS
					0	-0.46	-0.00065	PASS
					10	-1.37	-0.00193	PASS
					20	-0.67	-0.00094	PASS
					30	0.1	0.00014	PASS
			40	0.56	0.00079	PASS		
			50	-0.34	-0.00048	PASS		
			MCH	VN	-30	0.2	0.00028	PASS
					-20	-0.67	-0.00094	PASS
					-10	0.26	0.00037	PASS
					0	0.83	0.00117	PASS
					10	-0.2	-0.00028	PASS
					20	0.27	0.00038	PASS
					30	0.07	0.0001	PASS
					40	-5.06	-0.00713	PASS
			50	-2.12	-0.00299	PASS		
			HCH	VN	-30	-1	-0.00141	PASS
					-20	-1.13	-0.00159	PASS
					-10	-1.44	-0.00203	PASS
					0	0.4	0.00056	PASS
					10	-1.17	-0.00165	PASS
	20	-0.5			-0.0007	PASS		
	30	-0.67			-0.00094	PASS		
	40	-0.49			-0.00069	PASS		
	50	-1.02	-0.00143	PASS				
	LTE/TM2	5	LCH	VN	-30	-8.65	-0.01224	PASS
					-20	-1.7	-0.00241	PASS
					-10	-2.59	-0.00367	PASS
					0	2.13	0.00301	PASS
					10	-1.87	-0.00265	PASS
20					-11.44	-0.01619	PASS	
30					-3.73	-0.00528	PASS	
40					-4.48	-0.00634	PASS	
50			-0.84	-0.00119	PASS			
MCH			VN	-30	2.53	0.00356	PASS	
	-20	-7.88		-0.0111	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-6.95	-0.00979	PASS
					0	2.79	0.00393	PASS
					10	0.13	0.00018	PASS
					20	-1.27	-0.00179	PASS
					30	-5.97	-0.00841	PASS
					40	-2.1	-0.00296	PASS
					50	1.2	0.00169	PASS
			HCH	VN	-30	4.13	0.00579	PASS
					-20	4.39	0.00615	PASS
					-10	4.72	0.00662	PASS
					0	2.42	0.00339	PASS
					10	5.39	0.00755	PASS
					20	7.91	0.01109	PASS
					30	-2.39	-0.00335	PASS
					40	-11.77	-0.0165	PASS
					50	5.29	0.00741	PASS
		10	LCH	VN	-30	0.33	0.00047	PASS
					-20	0.83	0.00117	PASS
					-10	2.25	0.00317	PASS
					0	1.19	0.00168	PASS
					10	0.92	0.0013	PASS
					20	-0.2	-0.00028	PASS
					30	0.62	0.00087	PASS
					40	-0.2	-0.00028	PASS
			MCH	VN	-30	-1.12	-0.00158	PASS
					-20	-0.04	-0.00006	PASS
					-10	0.67	0.00094	PASS
					0	-0.44	-0.00062	PASS
					10	0.82	0.00115	PASS
					20	1.86	0.00262	PASS
		HCH	VN	30	0.56	0.00079	PASS	
				40	-0.29	-0.00041	PASS	
				50	-0.23	-0.00032	PASS	
				-30	-0.06	-0.00008	PASS	
				-20	-1.32	-0.00186	PASS	
				-10	-1.69	-0.00238	PASS	
		0	-1.19	-0.00167	PASS			
		10	0.36	0.00051	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	1.69	0.00238	PASS
					30	-0.73	-0.00103	PASS
					40	-3.02	-0.00425	PASS
					50	1.1	0.00155	PASS

END