



# 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	22.65	17.3	34.7	PASS
				RB1#13	22.97	17.62	34.7	PASS
				RB1#24	24.01	18.66	34.7	PASS
				RB12#0	21.95	16.6	34.7	PASS
				RB12#6	21.96	16.61	34.7	PASS
				RB12#13	21.96	16.61	34.7	PASS
				RB25#0	22.08	16.73	34.7	PASS
			MCH	RB1#0	22.76	17.41	34.7	PASS
				RB1#13	23.38	18.03	34.7	PASS
				RB1#24	24.35	19	34.7	PASS
				RB12#0	22.28	16.93	34.7	PASS
				RB12#6	22.62	17.27	34.7	PASS
				RB12#13	22.21	16.86	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.46	17.11	34.7	PASS
			HCH	RB1#0	23.33	17.98	34.7	PASS
				RB1#13	23.56	18.21	34.7	PASS
				RB1#24	22.27	16.92	34.7	PASS
				RB12#0	22.56	17.21	34.7	PASS
				RB12#6	22.61	17.26	34.7	PASS
				RB12#13	21.46	16.11	34.7	PASS
				RB25#0	22.37	17.02	34.7	PASS
		10		LCH	RB1#0	22.46	17.11	34.7
			RB1#25		23.28	17.93	34.7	PASS
			RB1#49		24.2	18.85	34.7	PASS
			RB25#0		21.92	16.57	34.7	PASS
			RB25#13		22.29	16.94	34.7	PASS
			RB25#25		22.31	16.96	34.7	PASS
			RB50#0		22.17	16.82	34.7	PASS
			MCH	RB1#0	22.44	17.09	34.7	PASS
				RB1#25	23.49	18.14	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	23.48	18.13	34.7	PASS
				RB25#0	21.94	16.59	34.7	PASS
				RB25#13	22.53	17.18	34.7	PASS
				RB25#25	22.36	17.01	34.7	PASS
				RB50#0	22.44	17.09	34.7	PASS
			HCH	RB1#0	22.52	17.17	34.7	PASS
				RB1#25	23.53	18.18	34.7	PASS
				RB1#49	22.25	16.9	34.7	PASS
				RB25#0	22.17	16.82	34.7	PASS
				RB25#13	22.69	17.34	34.7	PASS
	LCH	RB25#25	22.3	16.95	34.7	PASS		
		RB50#0	22.63	17.28	34.7	PASS		
		RB1#0	21.81	16.46	34.7	PASS		
		RB1#13	22.16	16.81	34.7	PASS		
		RB1#24	23.28	17.93	34.7	PASS		
LTE/TM2	5		RB12#0	20.99	15.64	34.7	PASS	
			RB12#6	21	15.65	34.7	PASS	

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict			
				RB12#13	20.99	15.64	34.7	PASS			
				RB25#0	21.11	15.76	34.7	PASS			
			MCH	RB1#0	21.91	16.56	34.7	PASS			
				RB1#13	22.52	17.17	34.7	PASS			
				RB1#24	23.57	18.22	34.7	PASS			
				RB12#0	21.33	15.98	34.7	PASS			
				RB12#6	21.63	16.28	34.7	PASS			
				RB12#13	21.23	15.88	34.7	PASS			
				RB25#0	21.42	16.07	34.7	PASS			
				HCH	RB1#0	22.51	17.16	34.7	PASS		
			RB1#13		22.76	17.41	34.7	PASS			
			RB1#24		21.53	16.18	34.7	PASS			
			RB12#0		21.6	16.25	34.7	PASS			
			RB12#6		21.68	16.33	34.7	PASS			
			RB12#13		20.55	15.2	34.7	PASS			
							RB25#0	21.41	16.06	34.7	PASS
					10	LCH	RB1#0	21.65	16.3	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.52	17.17	34.7	PASS
				RB1#49	23.43	18.08	34.7	PASS
				RB25#0	20.98	15.63	34.7	PASS
				RB25#13	21.32	15.97	34.7	PASS
				RB25#25	21.23	15.88	34.7	PASS
				RB50#0	21.1	15.75	34.7	PASS
			MCH	RB1#0	21.6	16.25	34.7	PASS
			MCH	RB1#25	22.58	17.23	34.7	PASS
			MCH	RB1#49	22.64	17.29	34.7	PASS
			MCH	RB25#0	20.9	15.55	34.7	PASS
			MCH	RB25#13	21.42	16.07	34.7	PASS
			MCH	RB25#25	21.29	15.94	34.7	PASS
			MCH	RB50#0	21.37	16.02	34.7	PASS
			HCH	RB1#0	21.55	16.2	34.7	PASS
			HCH	RB1#25	22.61	17.26	34.7	PASS
			HCH	RB1#49	21.38	16.03	34.7	PASS
			HCH	RB25#0	21.19	15.84	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.66	16.31	34.7	PASS
				RB25#25	21.32	15.97	34.7	PASS
				RB50#0	21.63	16.28	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	4.59	13	PASS
				RB1#13	4.09	13	PASS
				RB1#24	3.22	13	PASS
				RB12#0	5.34	13	PASS
				RB12#6	4.95	13	PASS
				RB12#13	5.11	13	PASS
				RB25#0	5.82	13	PASS
			MCH	RB1#0	4.2	13	PASS
				RB1#13	3.16	13	PASS
				RB1#24	2.71	13	PASS
				RB12#0	4.84	13	PASS
				RB12#6	4.18	13	PASS
				RB12#13	4.78	13	PASS
				RB25#0	5.15	13	PASS
		HCH	RB1#0	3.35	13	PASS	
			RB1#13	3.46	13	PASS	
			RB1#24	4.37	13	PASS	
			RB12#0	4.28	13	PASS	
			RB12#6	4.4	13	PASS	
			RB12#13	5.43	13	PASS	
			RB25#0	5.23	13	PASS	
		10	LCH	RB1#0	4.65	13	PASS
				RB1#25	3.63	13	PASS
				RB1#49	2.93	13	PASS
				RB25#0	5.23	13	PASS
				RB25#13	4.82	13	PASS
				RB25#25	4.92	13	PASS
				RB50#0	5.95	13	PASS
MCH	RB1#0		4.49	13	PASS		
	RB1#25		3.18	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	3.76	13	PASS
				RB25#0	5.38	13	PASS
				RB25#13	4.43	13	PASS
				RB25#25	4.86	13	PASS
				RB50#0	5.64	13	PASS
			HCH	RB1#0	4.21	13	PASS
				RB1#25	2.94	13	PASS
				RB1#49	4.38	13	PASS
				RB25#0	5.07	13	PASS
				RB25#13	4.28	13	PASS
				RB25#25	4.96	13	PASS
			LCH	RB50#0	5.39	13	PASS
				RB1#0	5.29	13	PASS
				RB1#13	5.08	13	PASS
				RB1#24	3.9	13	PASS
	RB12#0	6.08		13	PASS		
	RB12#6	5.9		13	PASS		
	RB12#13	5.86		13	PASS		
	MCH	RB25#0	6.38	13	PASS		
		RB1#0	5	13	PASS		
		RB1#13	4.11	13	PASS		
		RB1#24	3.27	13	PASS		
		RB12#0	5.58	13	PASS		
		RB12#6	5.14	13	PASS		
		RB12#13	5.54	13	PASS		
	HCH	RB25#0	6.15	13	PASS		
		RB1#0	4.18	13	PASS		
		RB1#13	4.21	13	PASS		
		RB1#24	5.25	13	PASS		
		RB12#0	5.24	13	PASS		
RB12#6		5.28	13	PASS			
RB12#13		6.28	13	PASS			
LCH	RB25#0	5.87	13	PASS			
	RB1#0	5.27	13	PASS			
	RB1#25	4.19	13	PASS			
	RB1#49	3.54	13	PASS			
	RB25#0	6.02	13	PASS			
	RB25#13	5.6	13	PASS			
		10		RB25#25	5.64	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.6	13	PASS
			MCH	RB1#0	4.95	13	PASS
				RB1#25	4.05	13	PASS
				RB1#49	4.42	13	PASS
				RB25#0	6.01	13	PASS
				RB25#13	5.37	13	PASS
				RB25#25	5.71	13	PASS
				RB50#0	6.46	13	PASS
			HCH	RB1#0	4.89	13	PASS
				RB1#25	3.89	13	PASS
				RB1#49	4.79	13	PASS
				RB25#0	5.88	13	PASS
				RB25#13	5.23	13	PASS
				RB25#25	5.81	13	PASS
				RB50#0	6.19	13	PASS

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

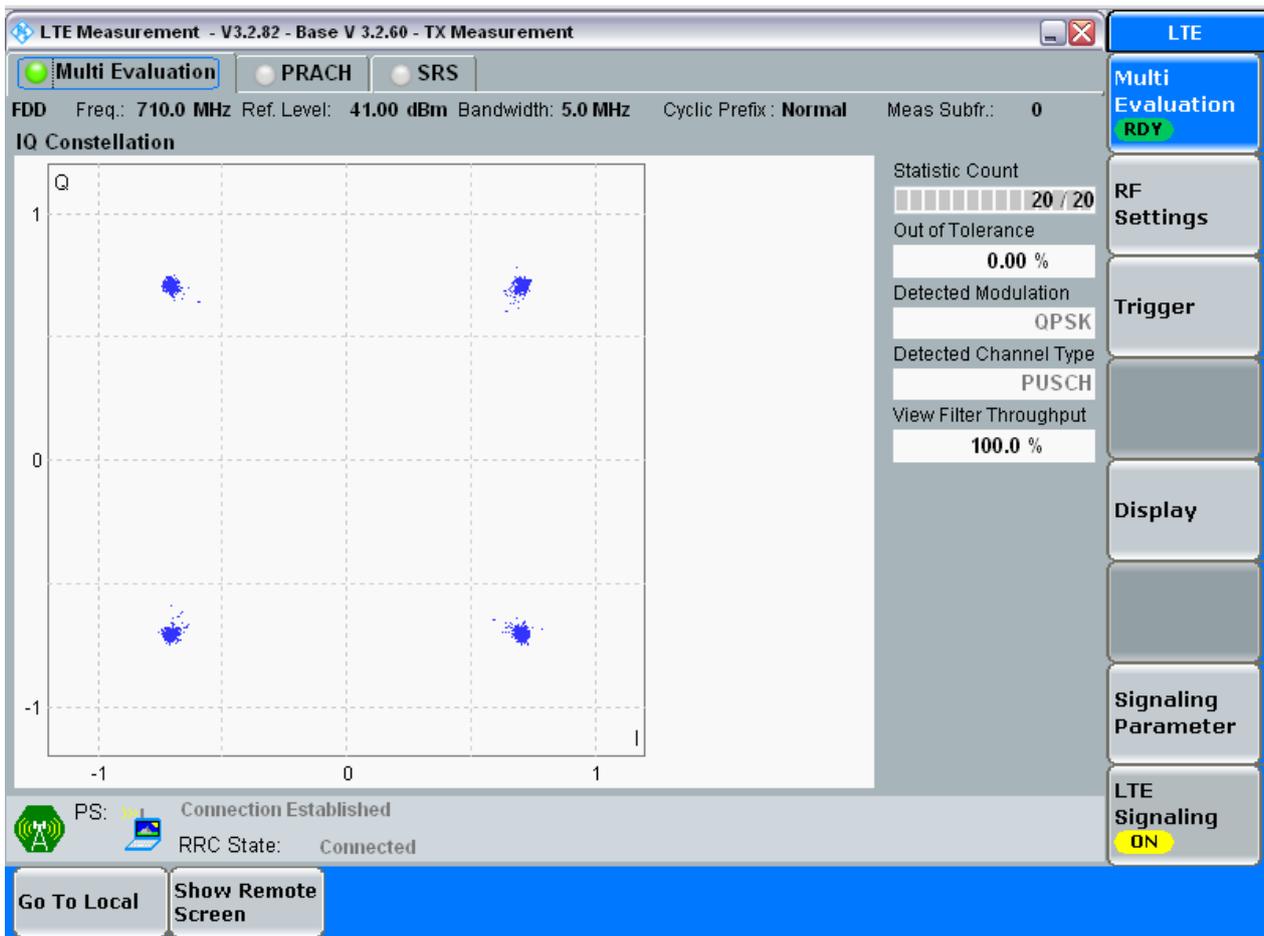
##### 3.1.1 Test Band = BAND17

##### 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

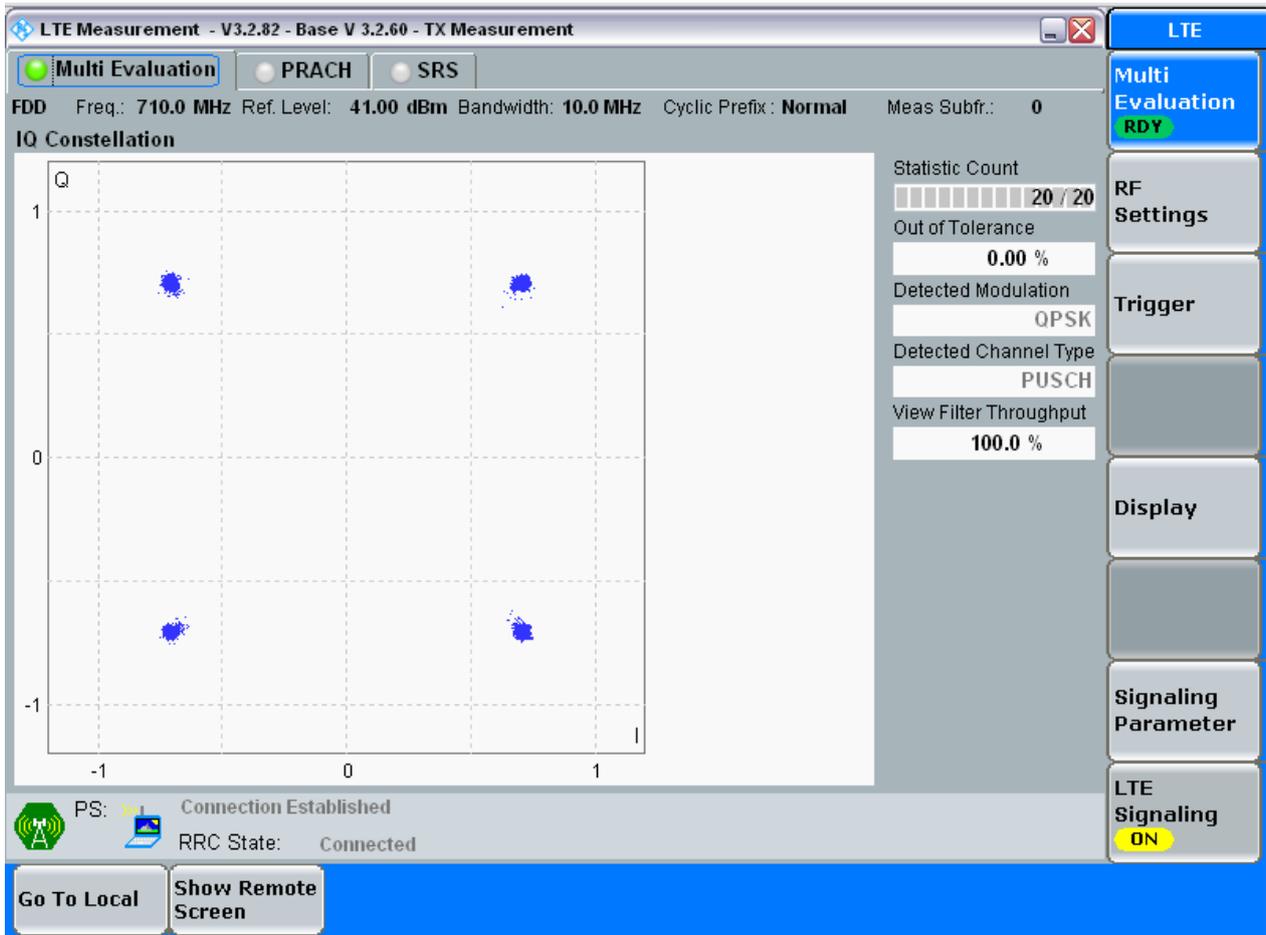
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 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

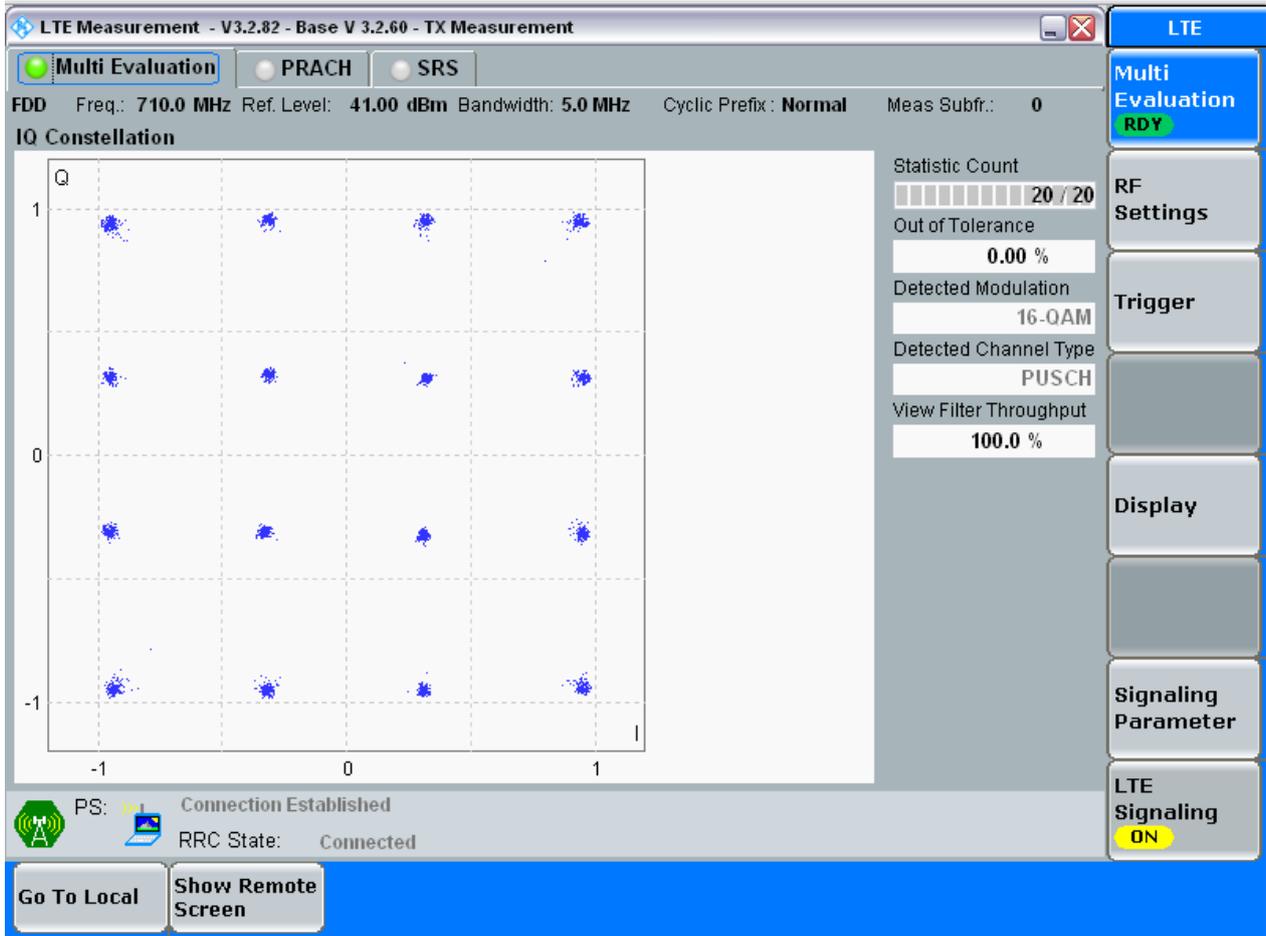


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

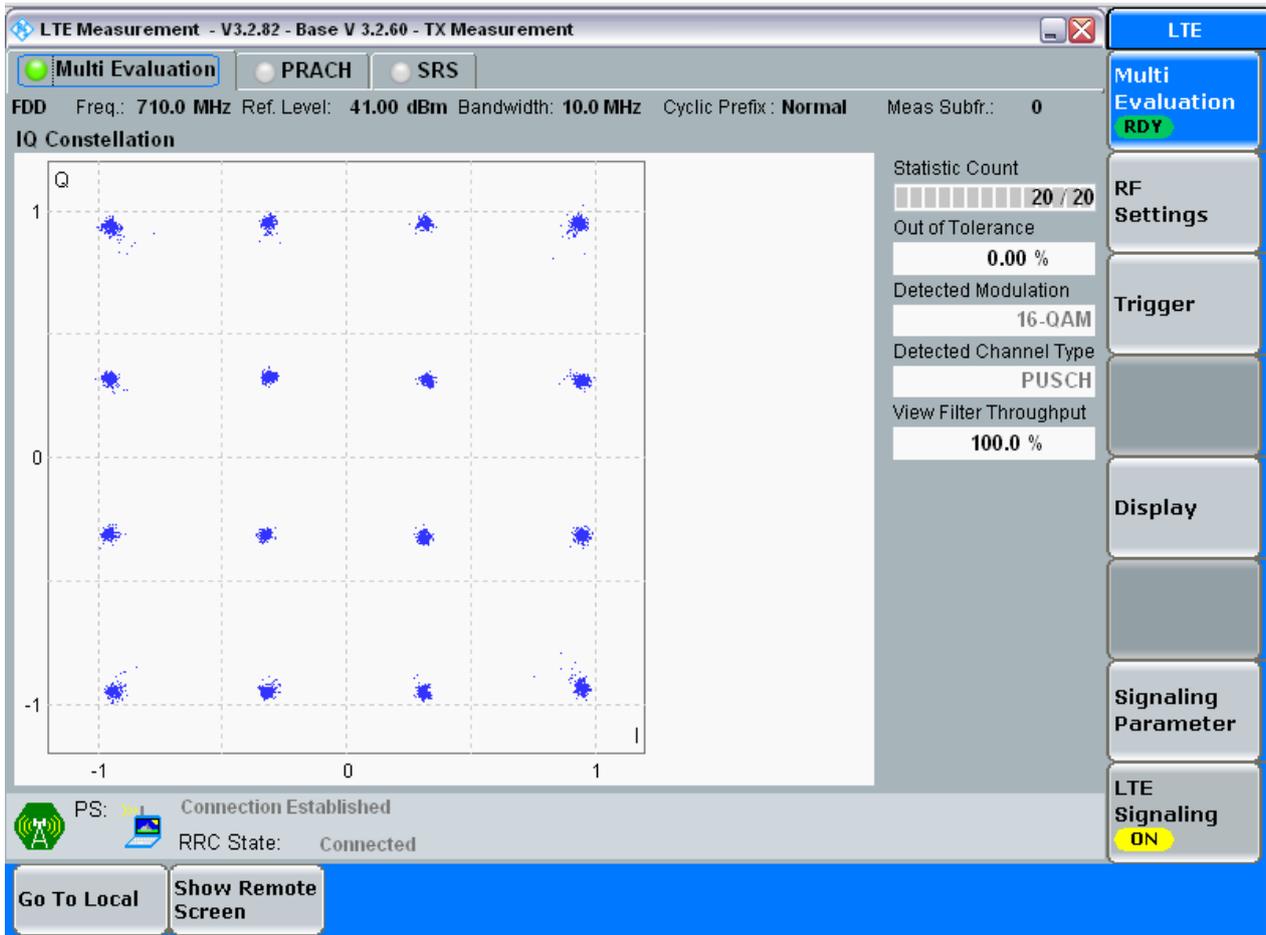
3.1.1.2.1.1.1 Test RB = RB25#0



### 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	4.86	Pass
			MCH	RB25#0	4.51	4.87	Pass
			HCH	RB25#0	4.48	4.85	Pass
		10	LCH	RB50#0	9.02	9.64	Pass
			MCH	RB50#0	8.99	9.59	Pass
			HCH	RB50#0	8.97	9.56	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	4.89	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.48	4.82	Pass
		10	LCH	RB50#0	9.04	9.69	Pass
			MCH	RB50#0	9.01	9.65	Pass
			HCH	RB50#0	8.97	9.58	Pass



Part II - Test Plots

4.1 For LTE

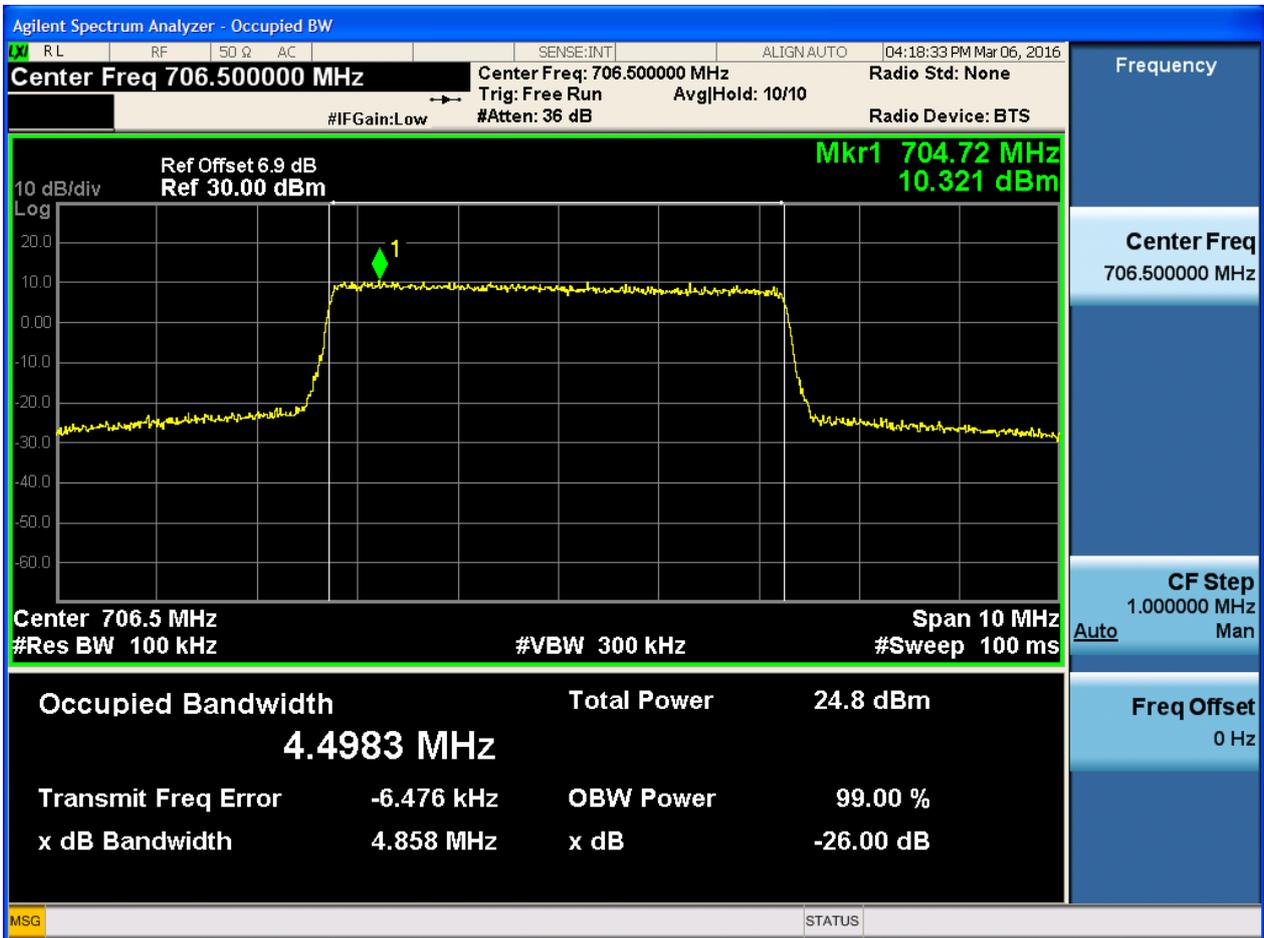
4.1.1 Test Band = BAND17

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

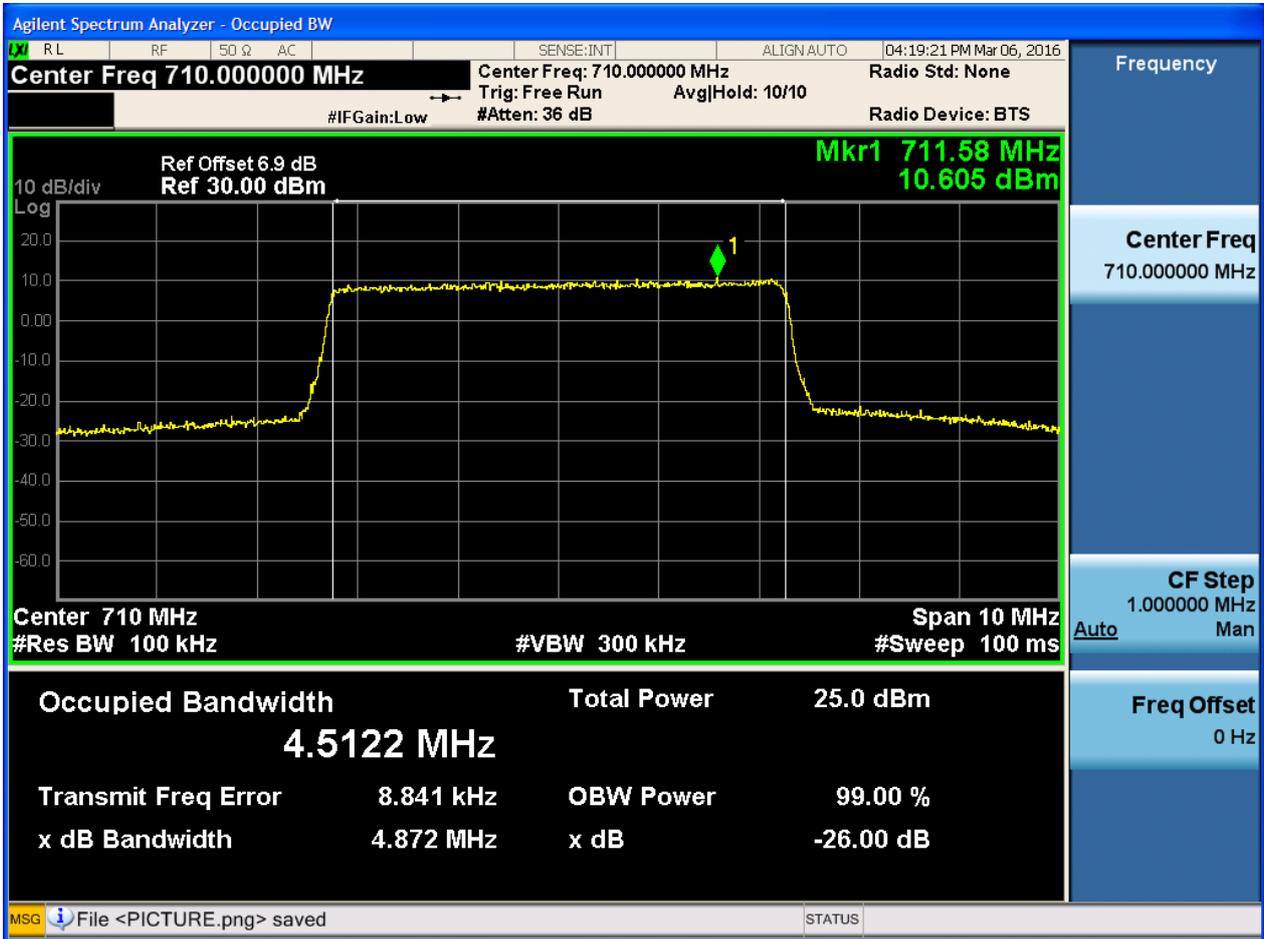
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

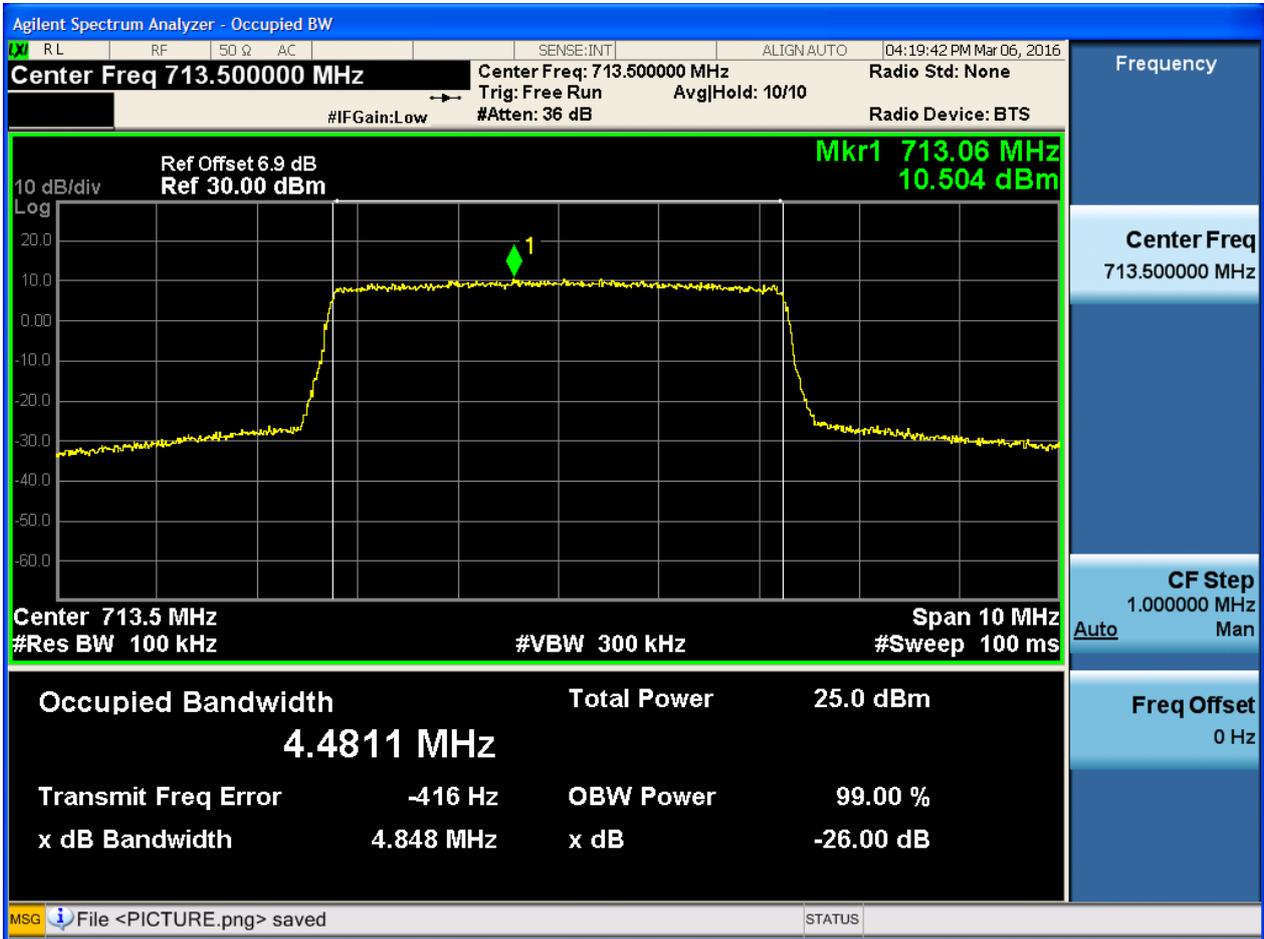
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

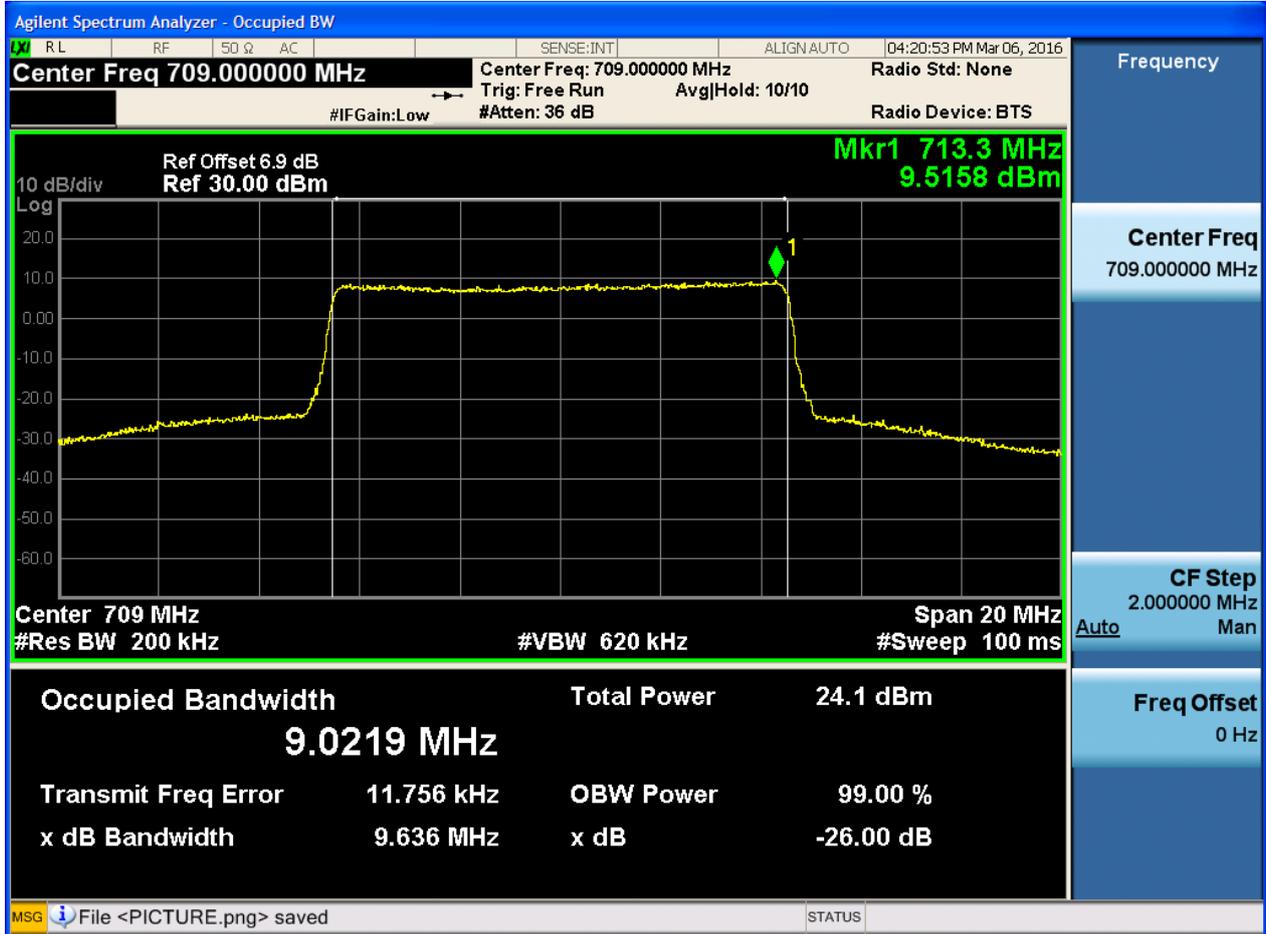




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

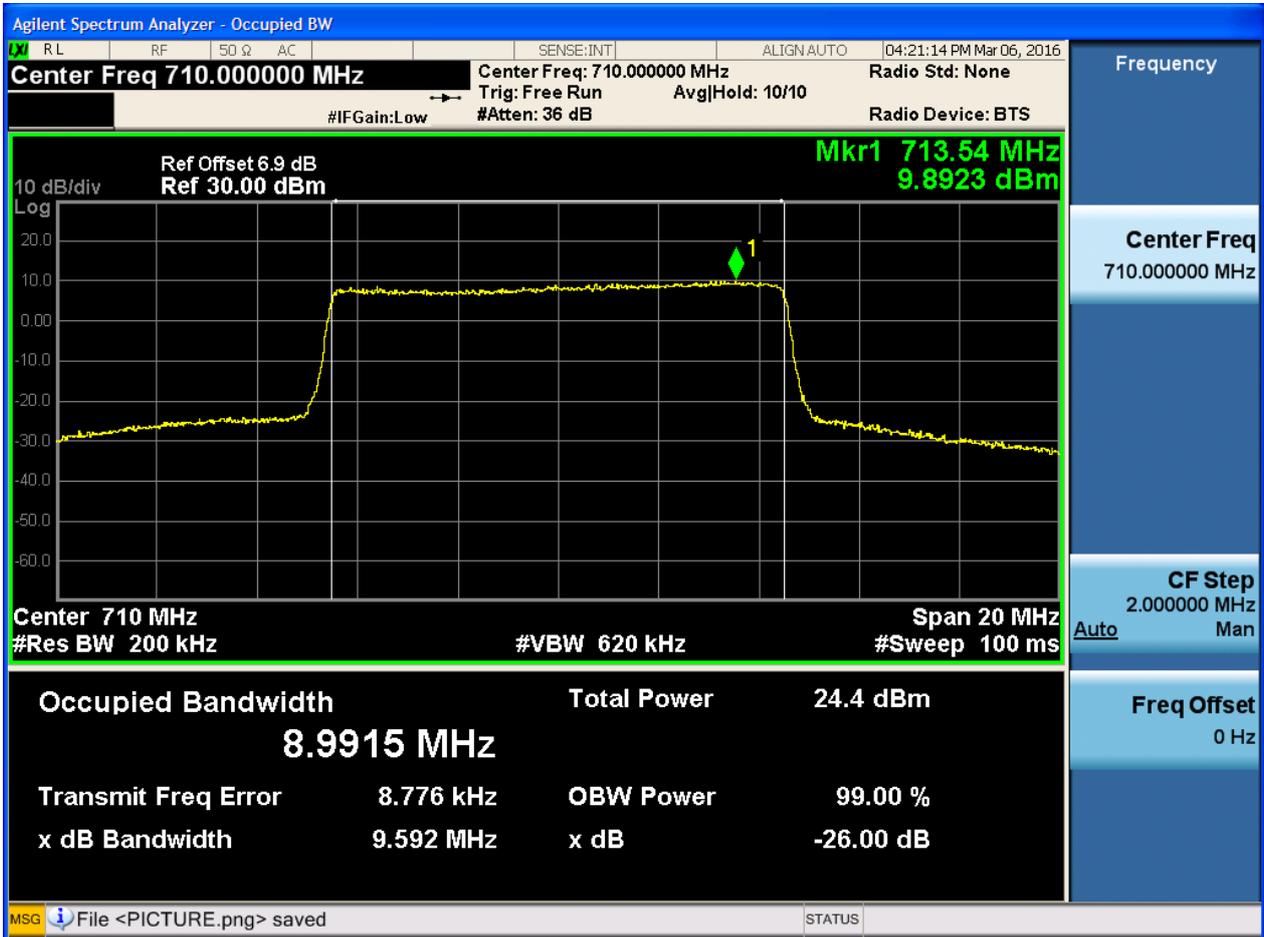
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

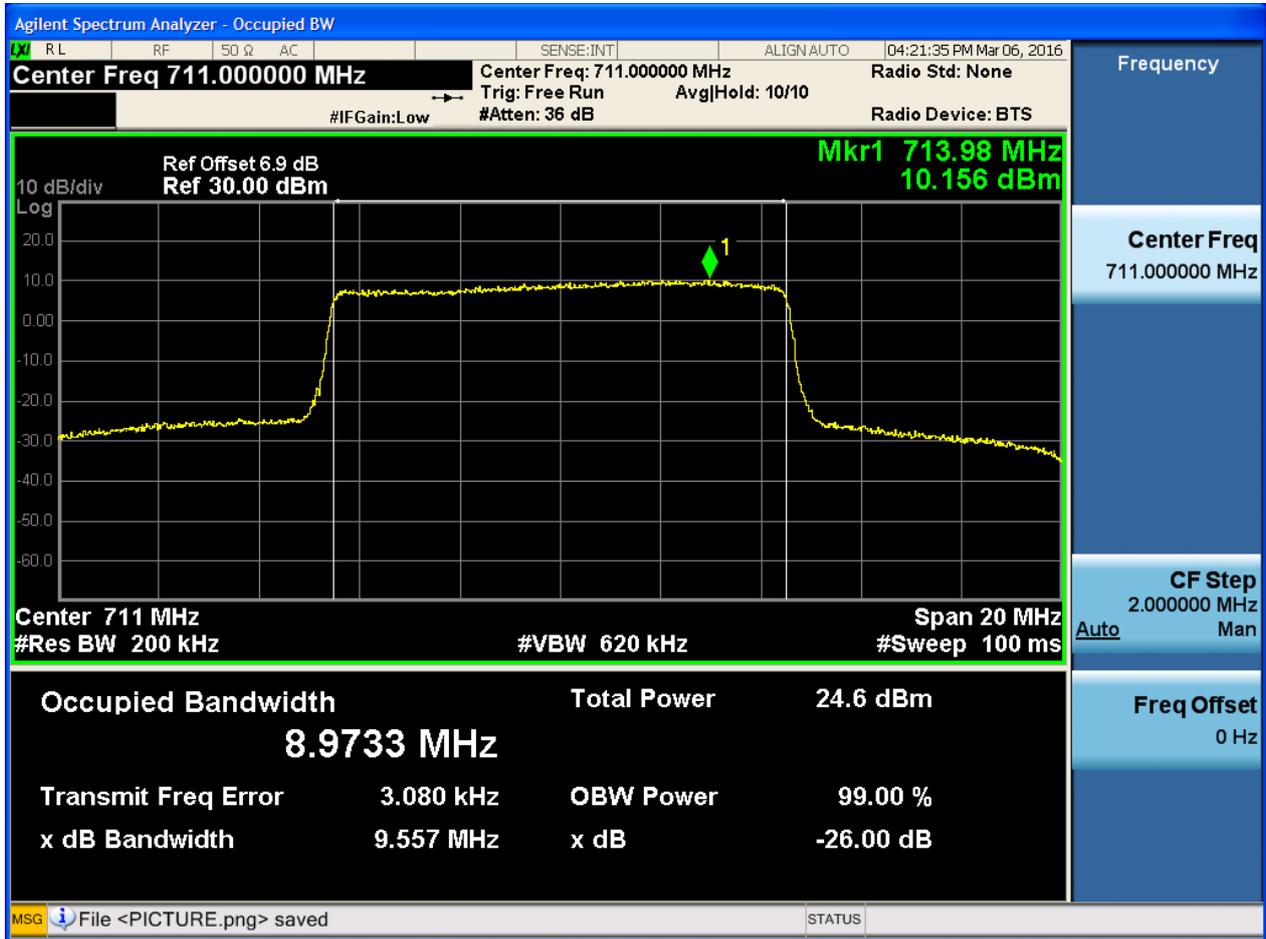
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



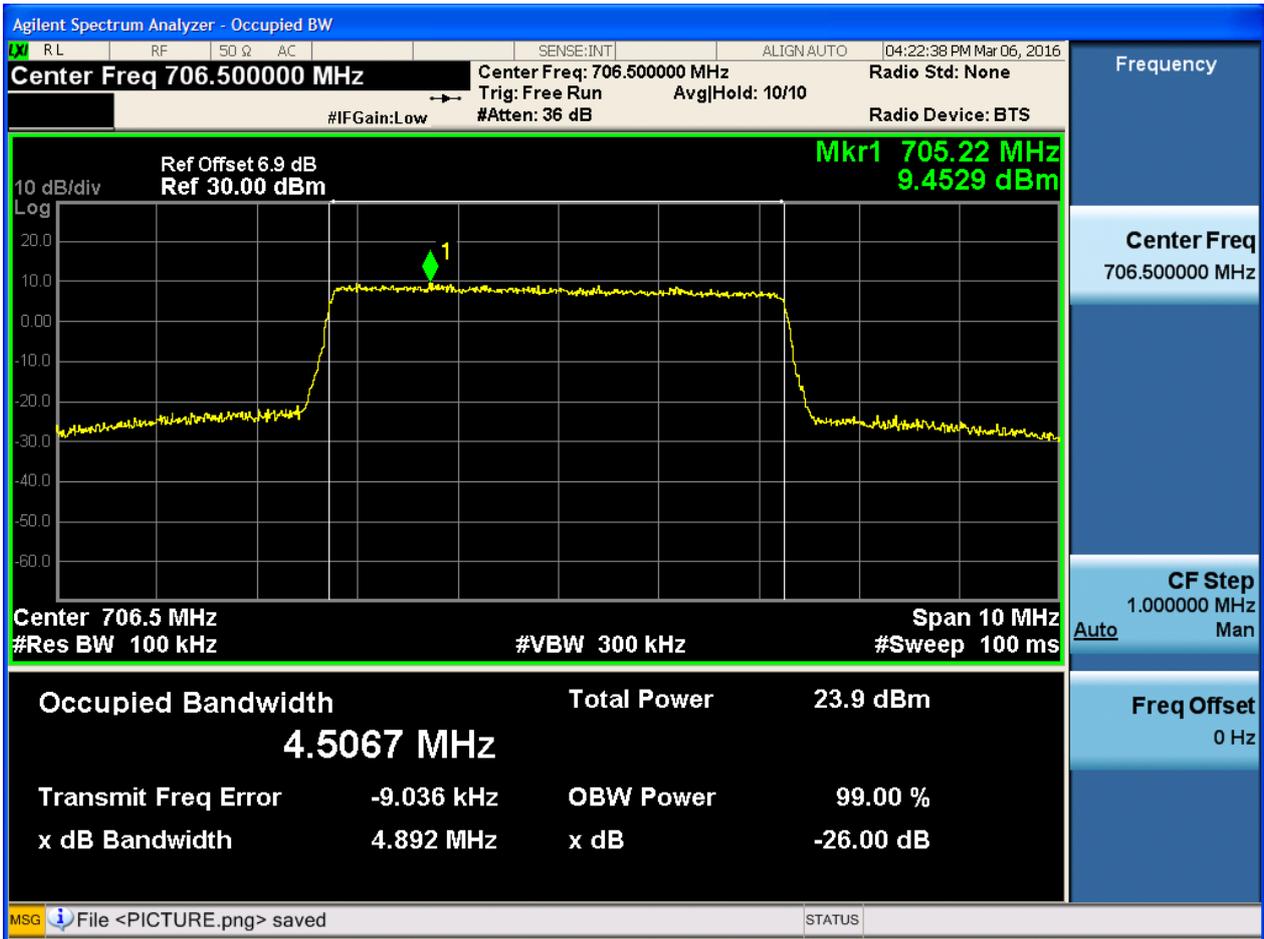


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

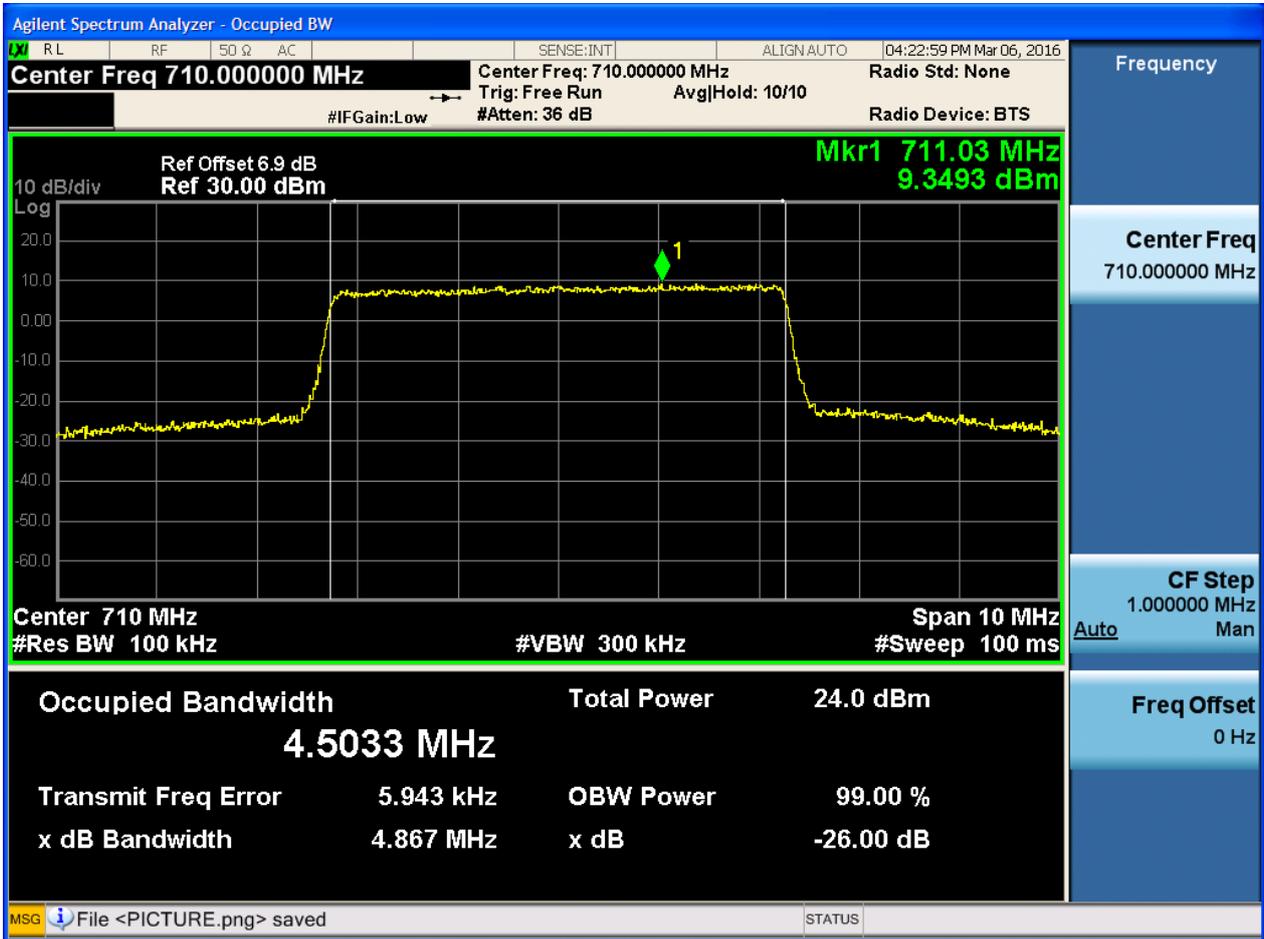
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

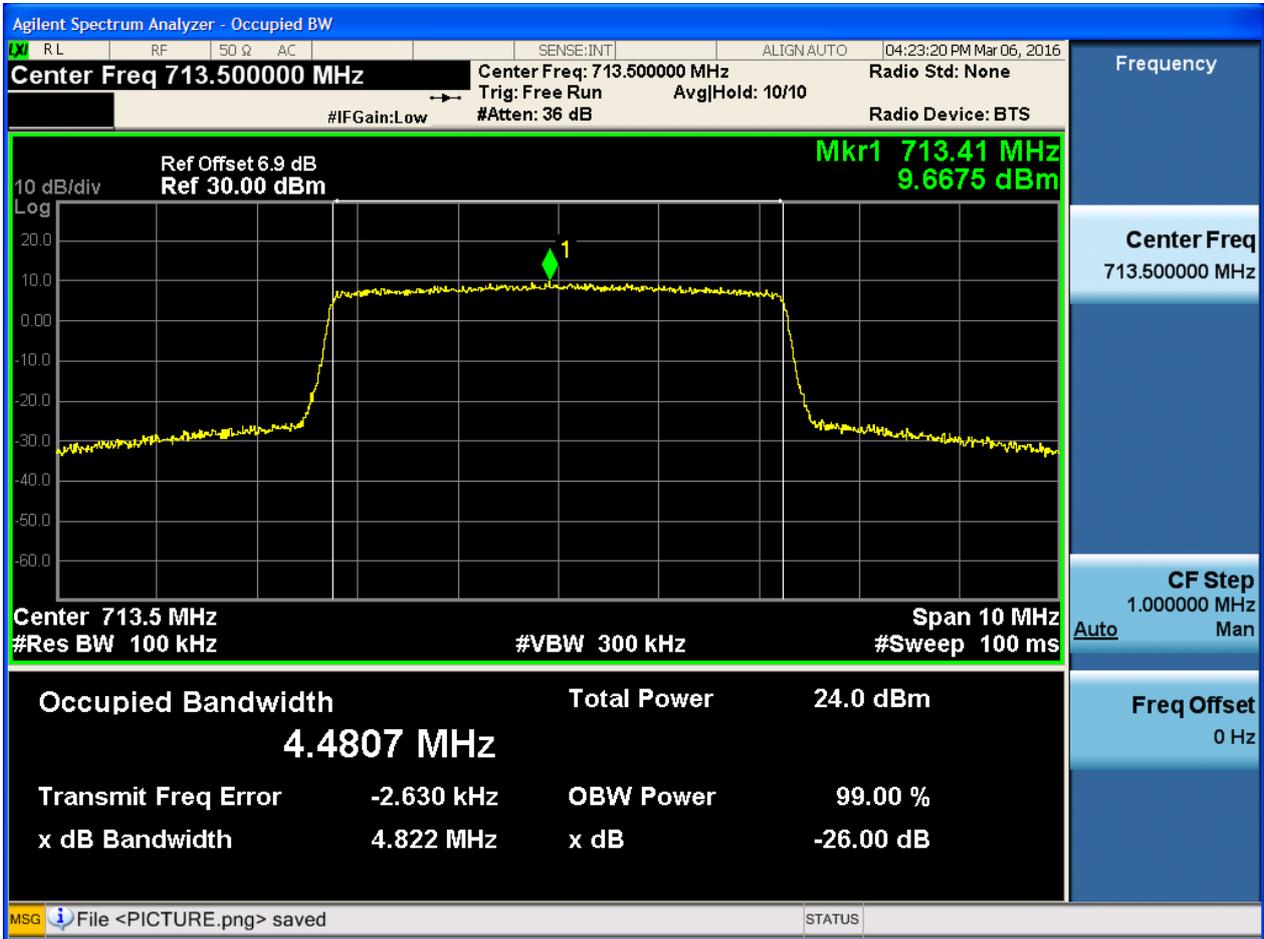
4.1.1.2.1.2.1 Test RB = RB25#0





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

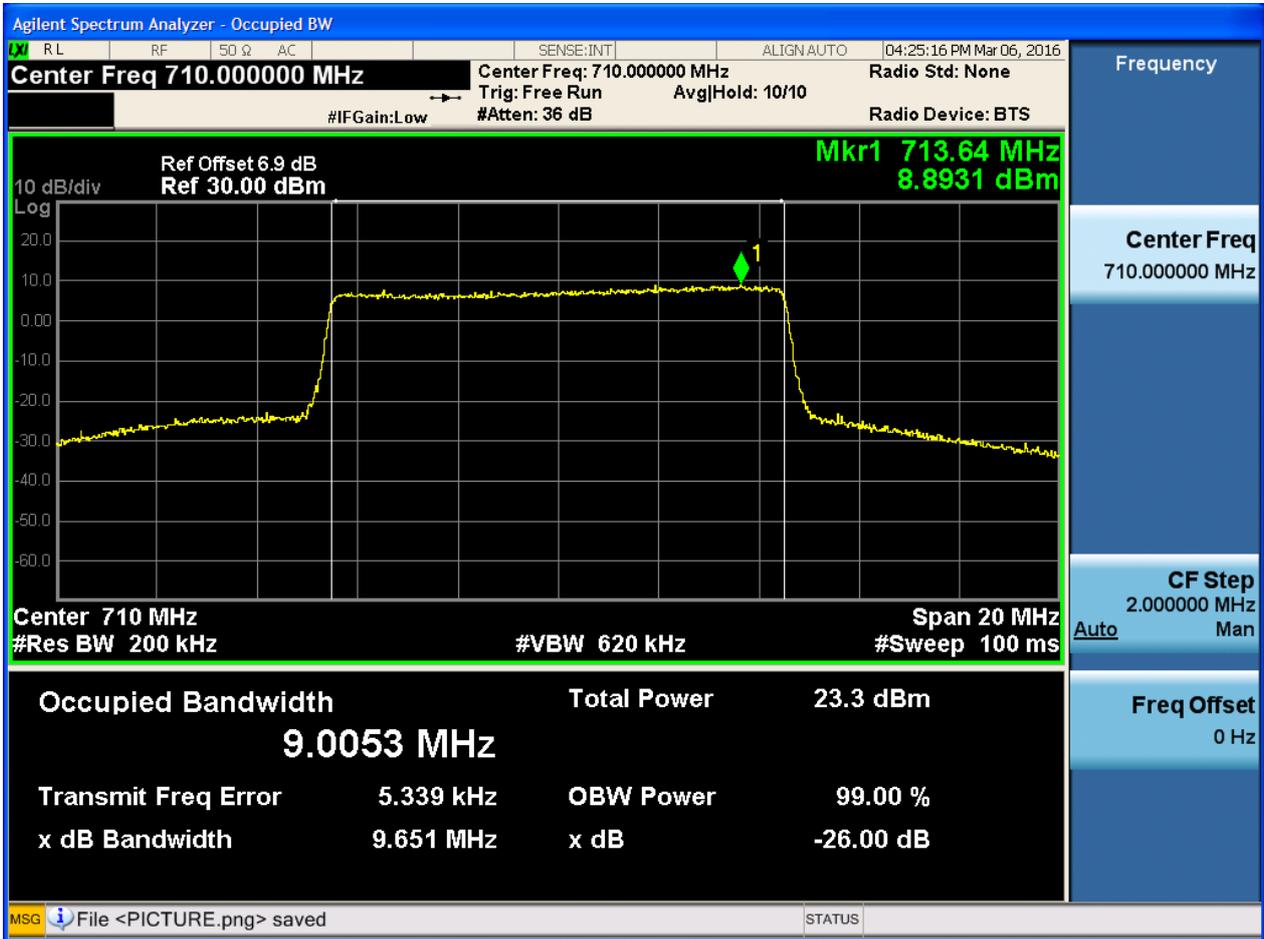
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

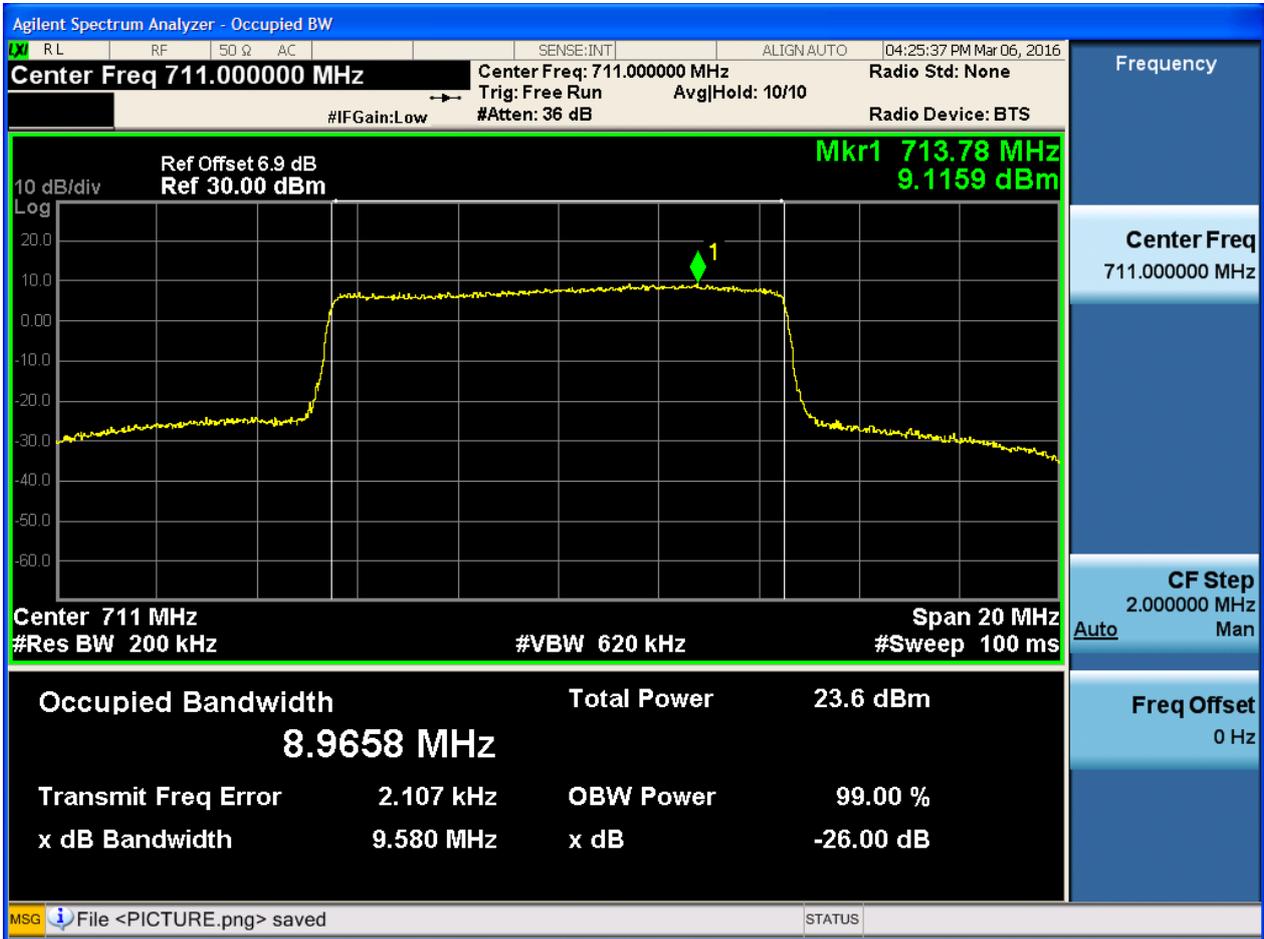
4.1.1.2.2.2.1 Test RB = RB50#0





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

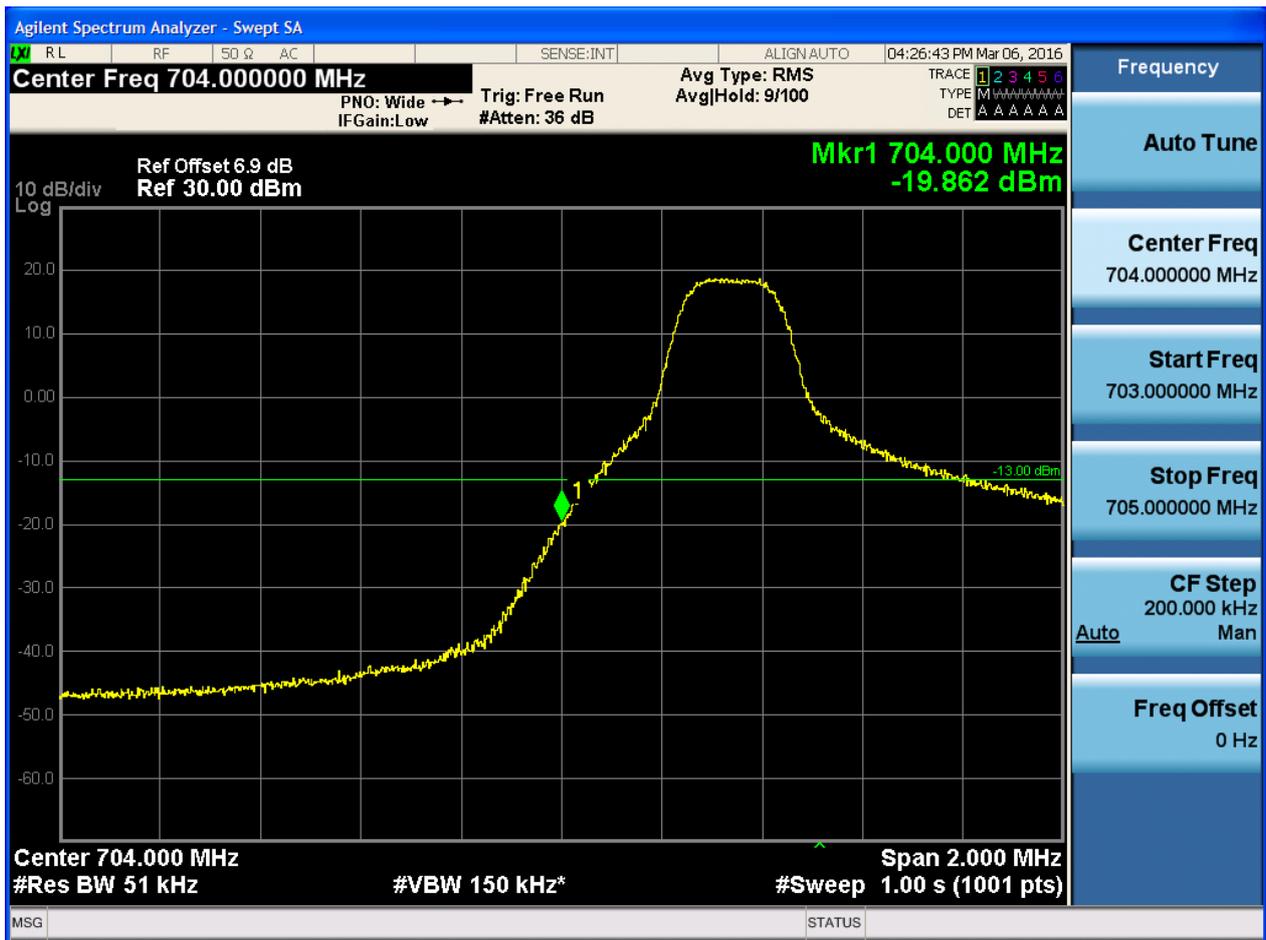
##### 5.1.1 Test Band = BAND17

##### 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



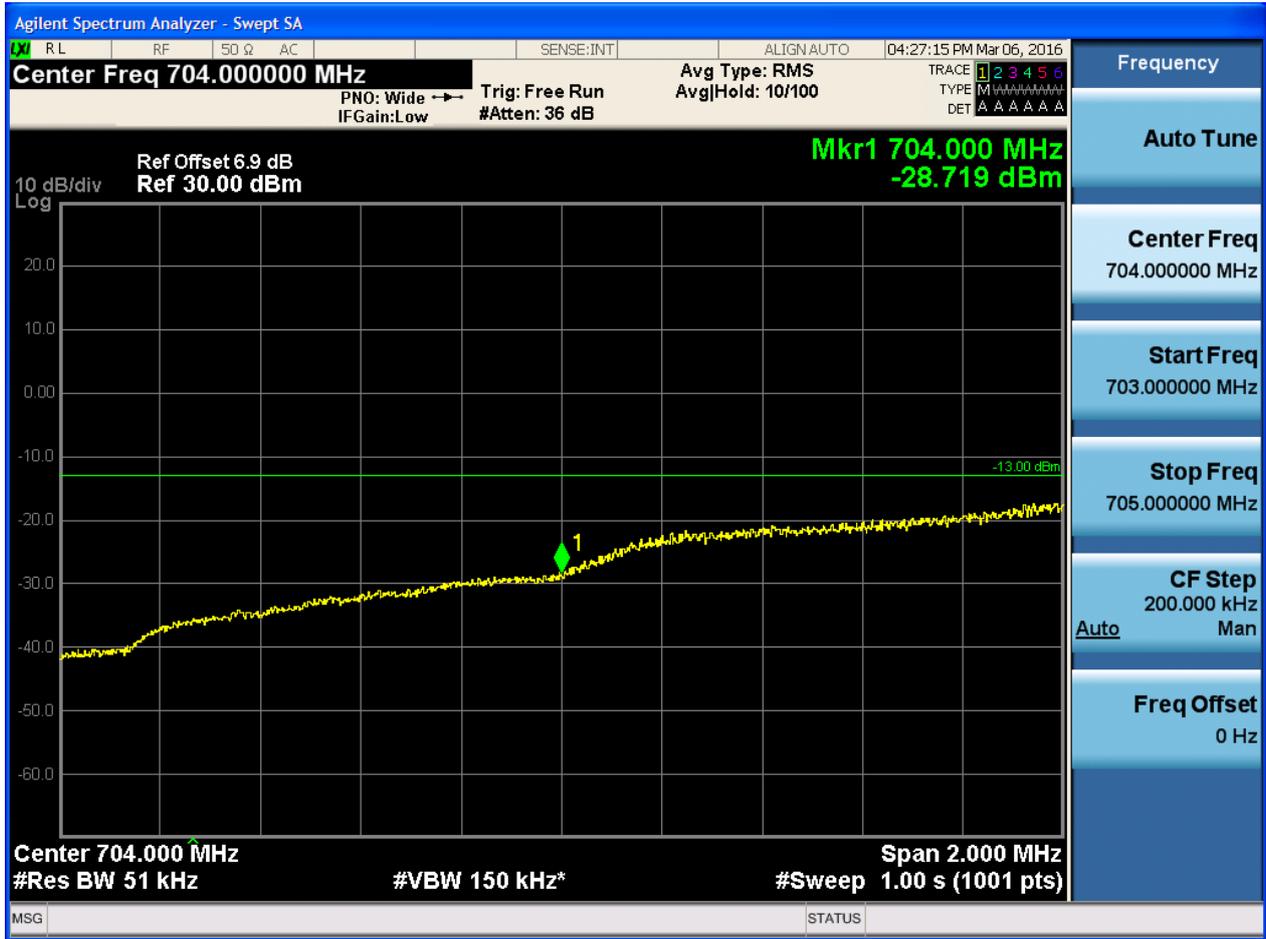


5.1.1.1.1.2 Test RB = RB1#24





5.1.1.1.1.3 Test RB = RB12#6





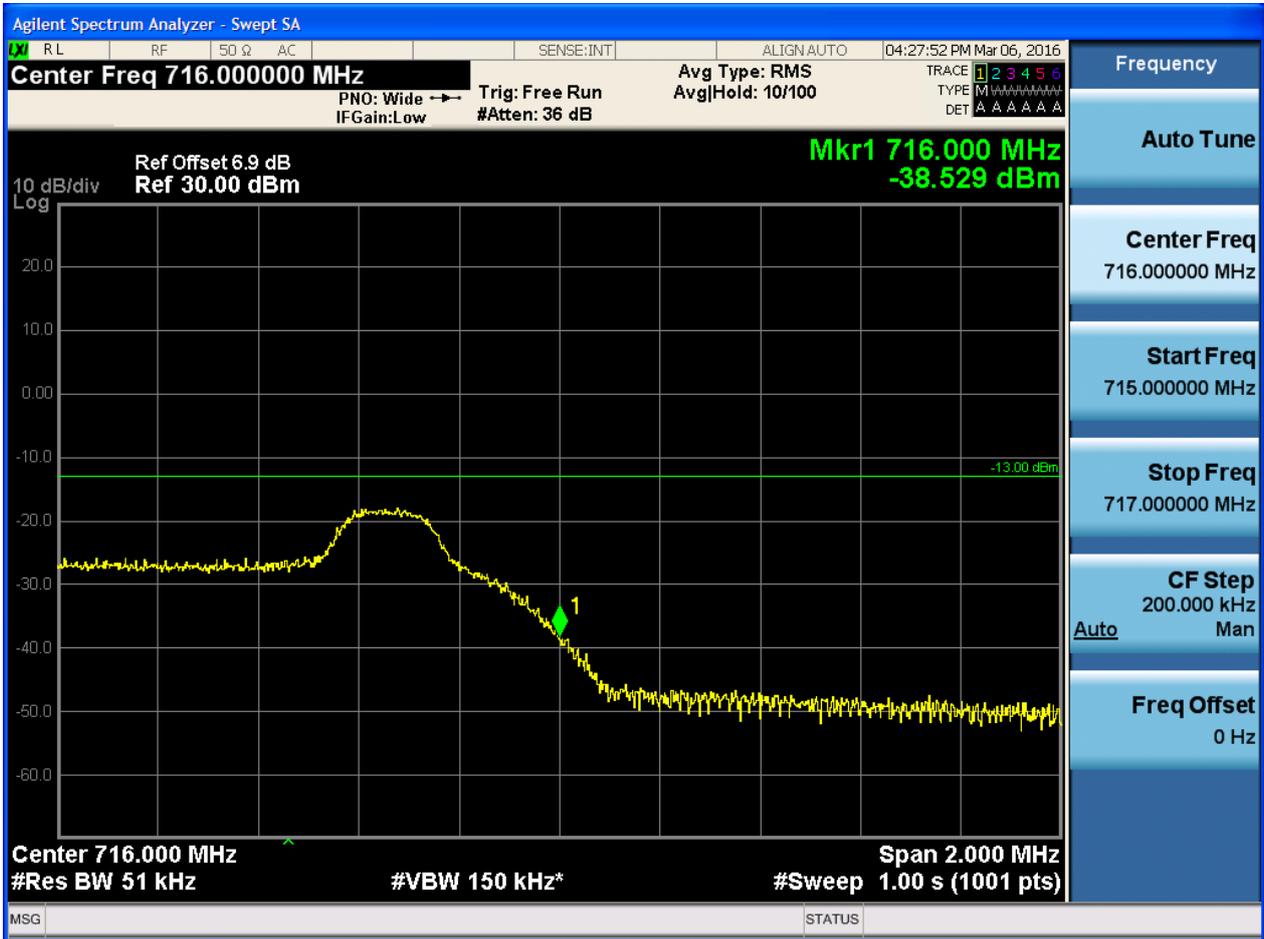
5.1.1.1.1.4 Test RB = RB25#0





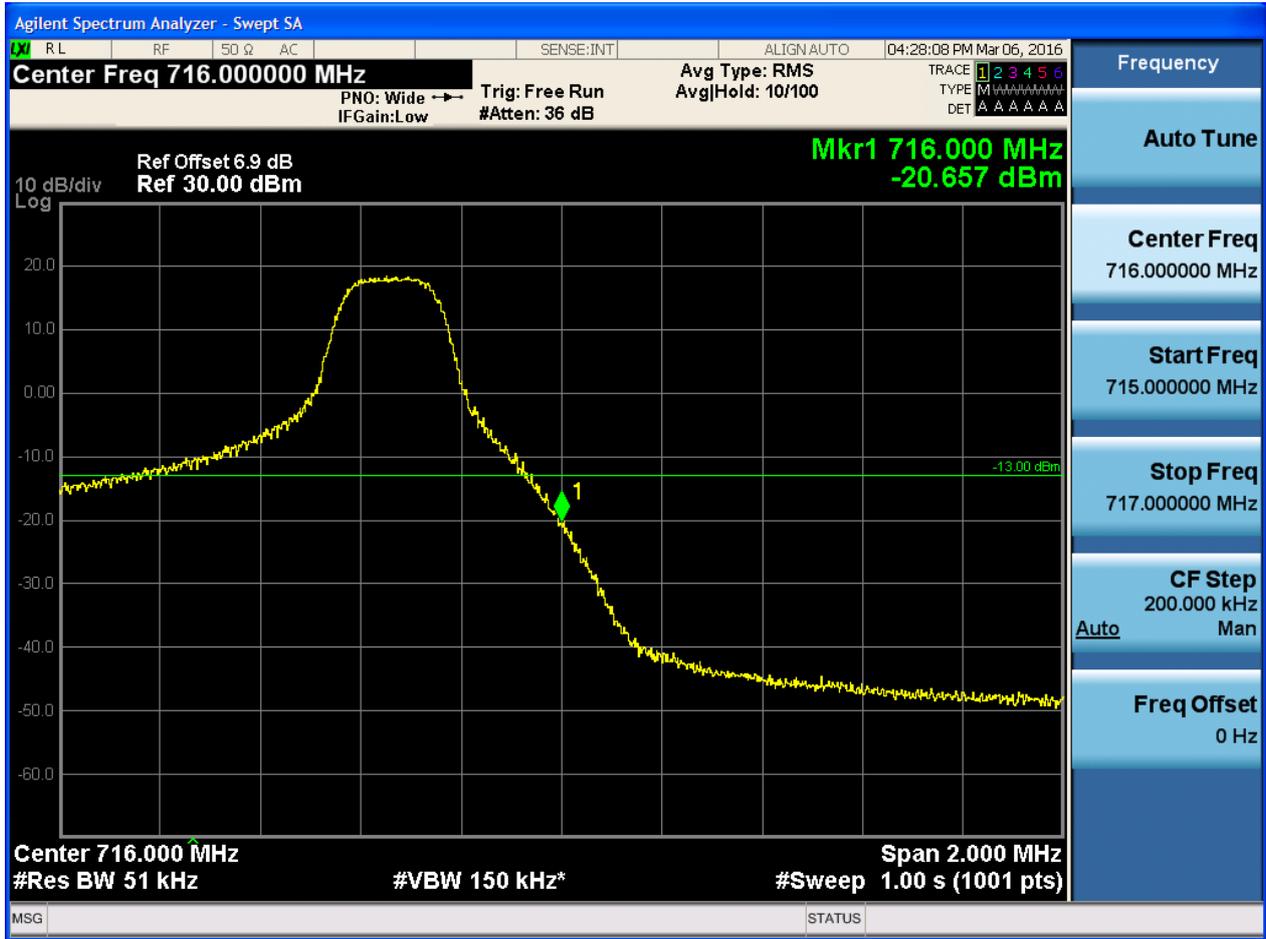
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#24



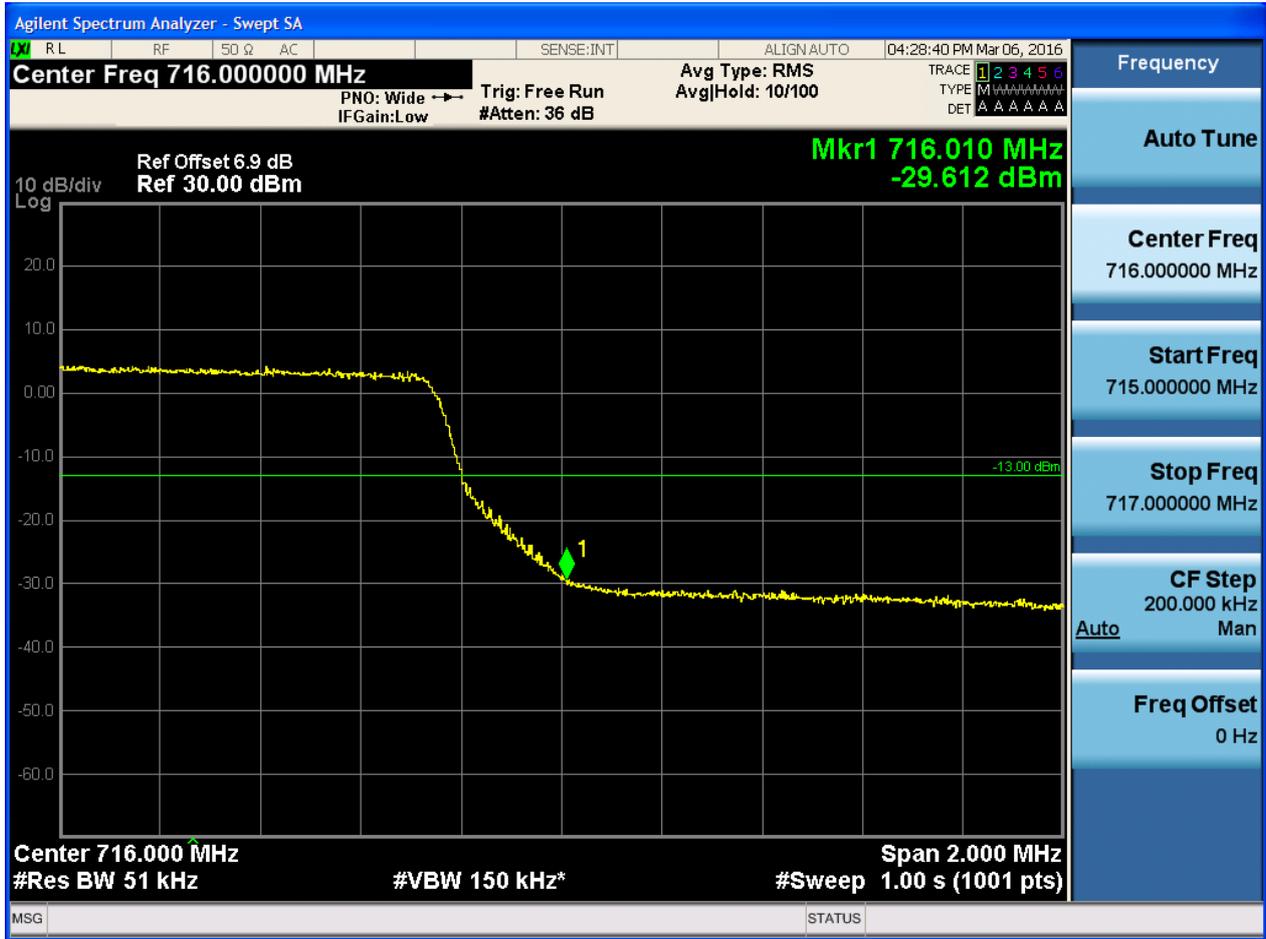


5.1.1.1.2.3 Test RB = RB12#6





5.1.1.1.2.4 Test RB = RB25#0

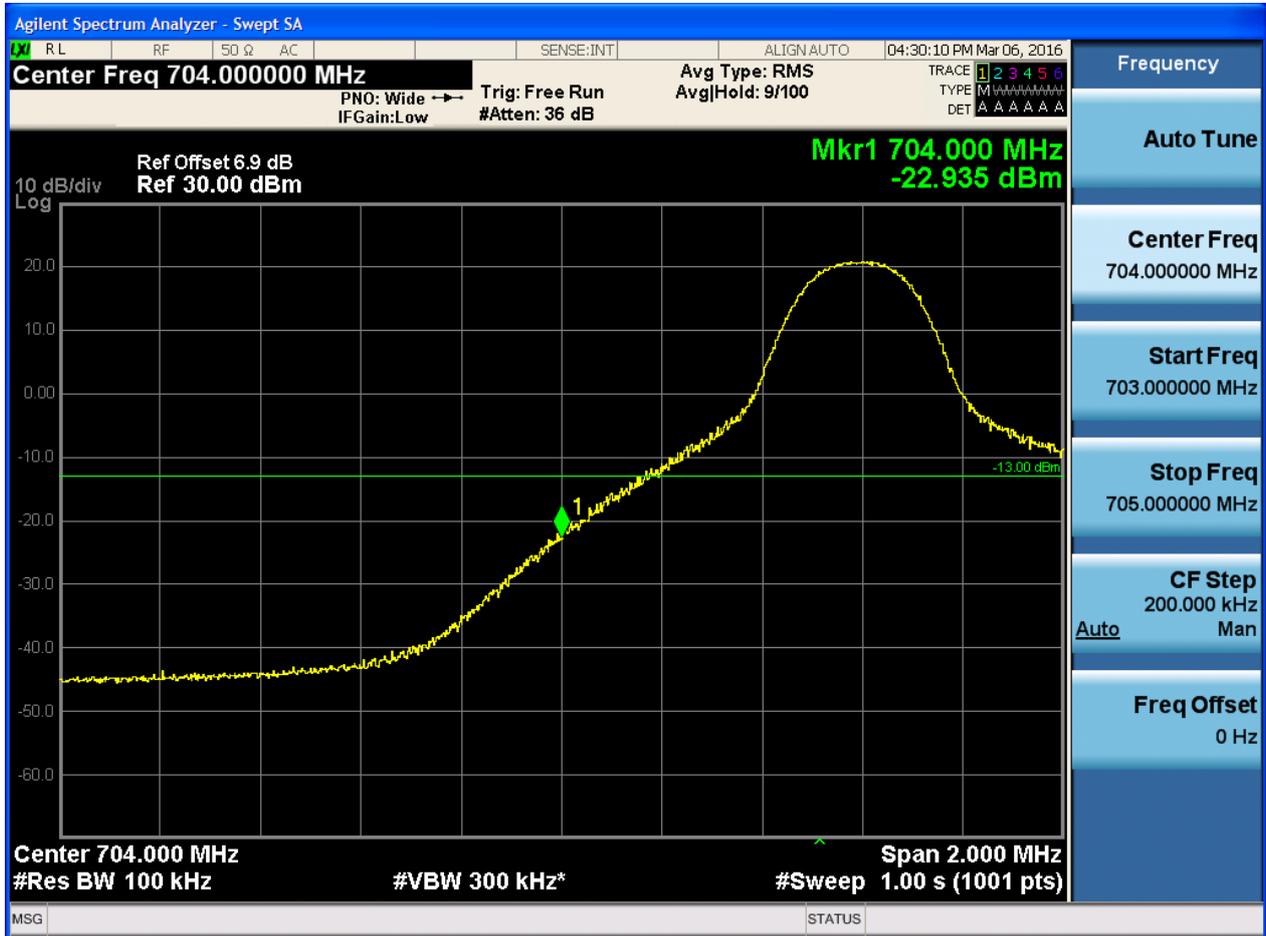




5.1.1.1.2 Test Bandwidth = 10

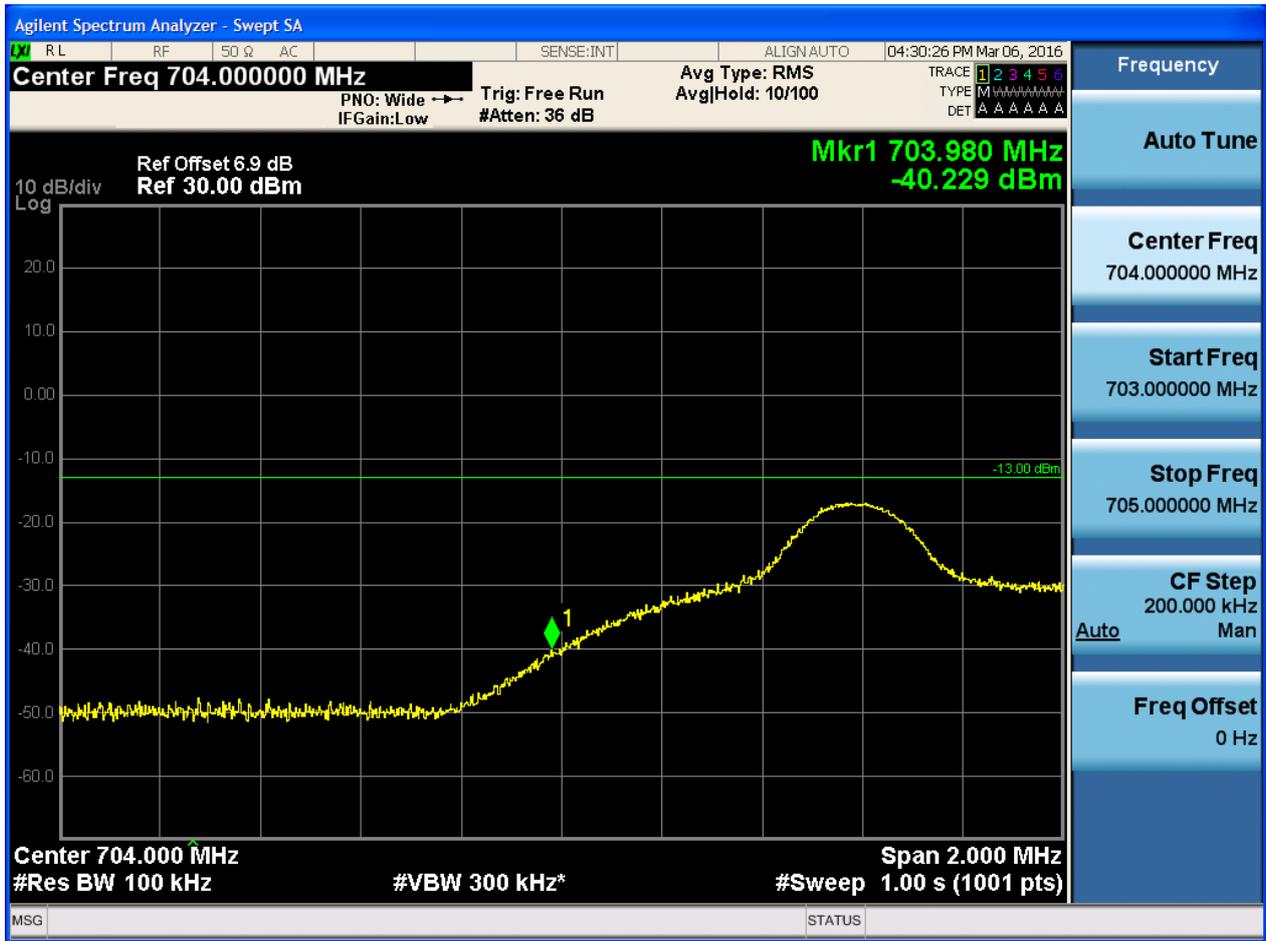
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



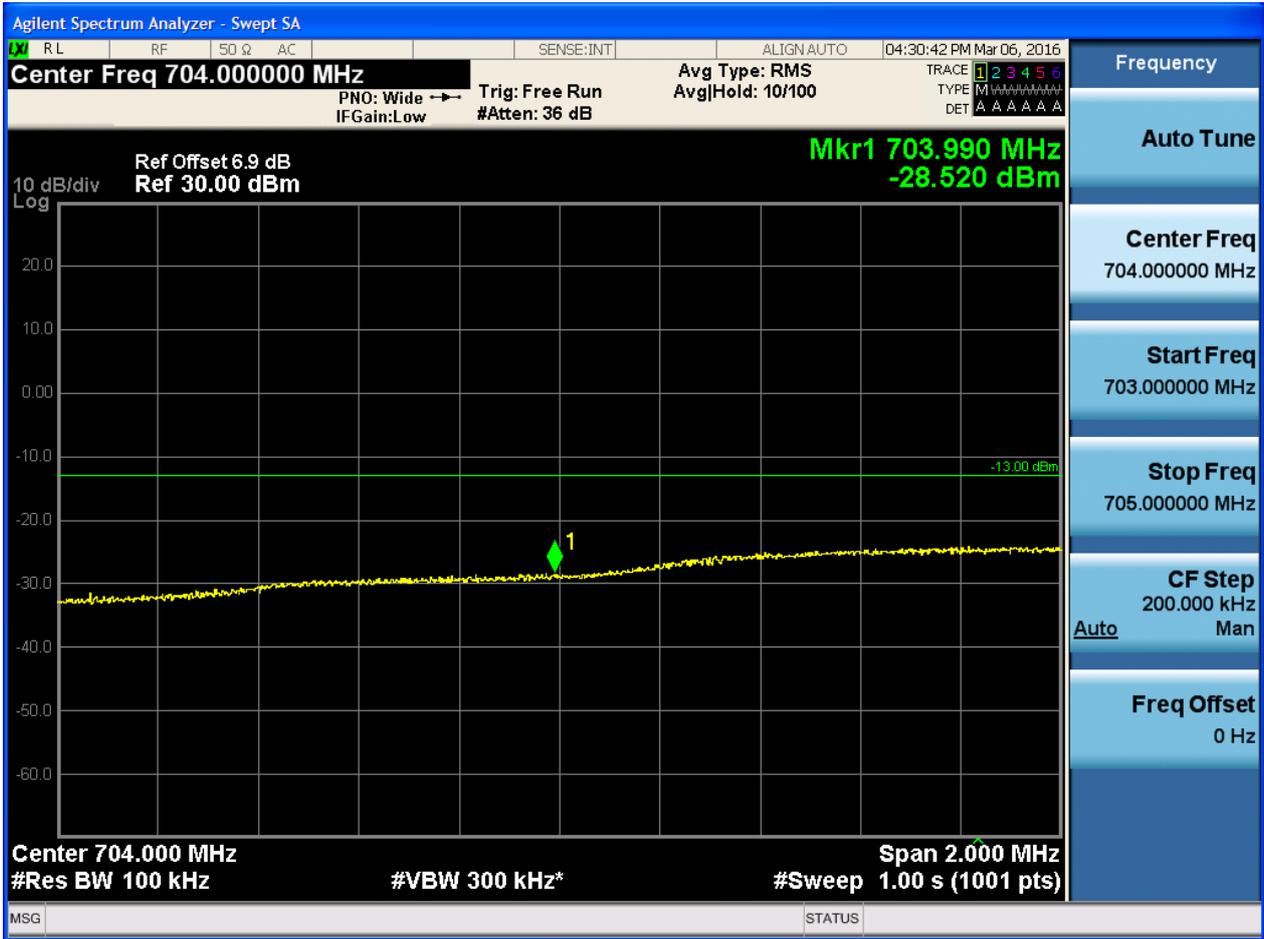


5.1.1.1.2.1.2 Test RB = RB1#49





5.1.1.1.2.1.3 Test RB = RB25#13





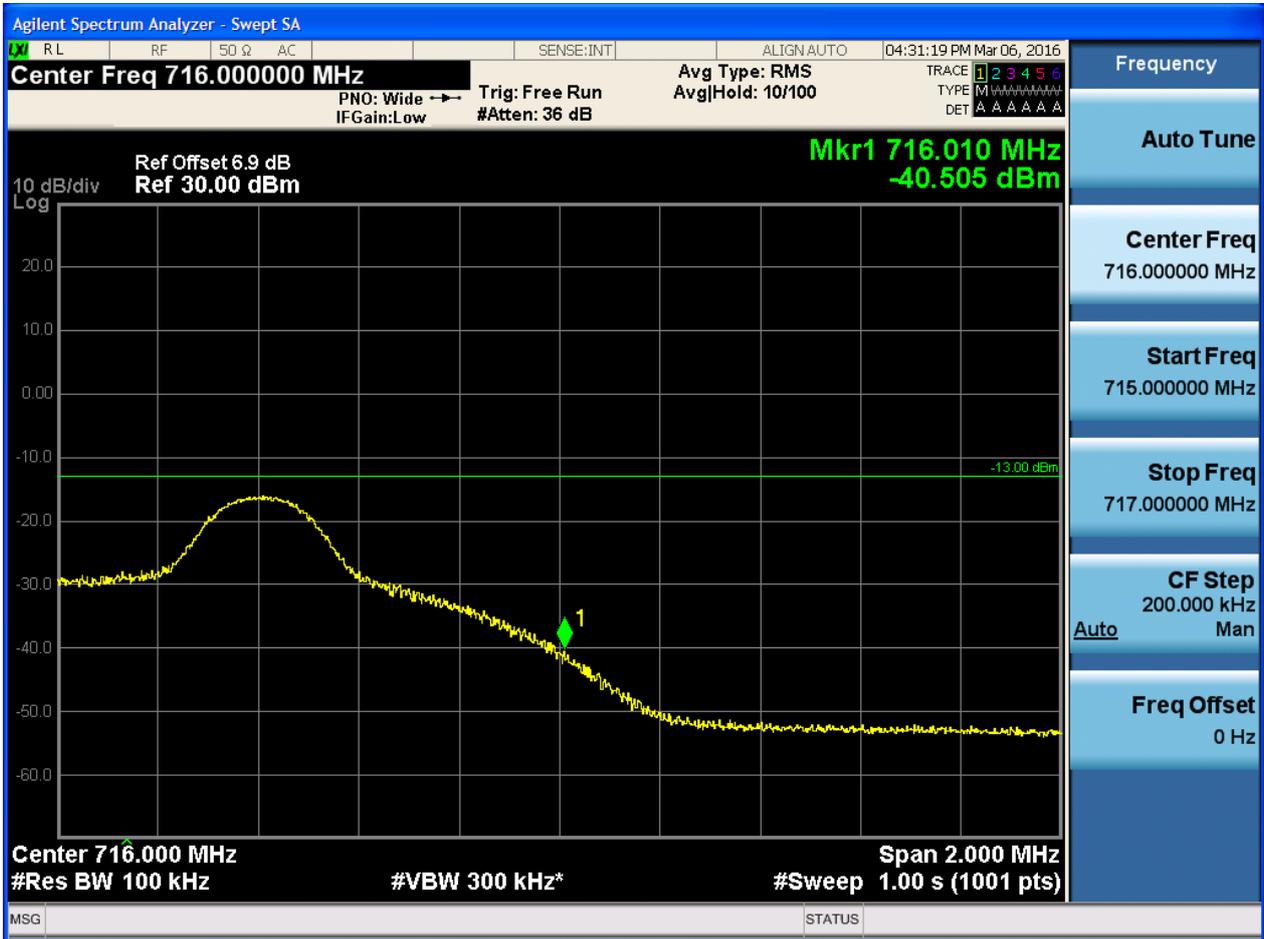
5.1.1.1.2.1.4 Test RB = RB50#0





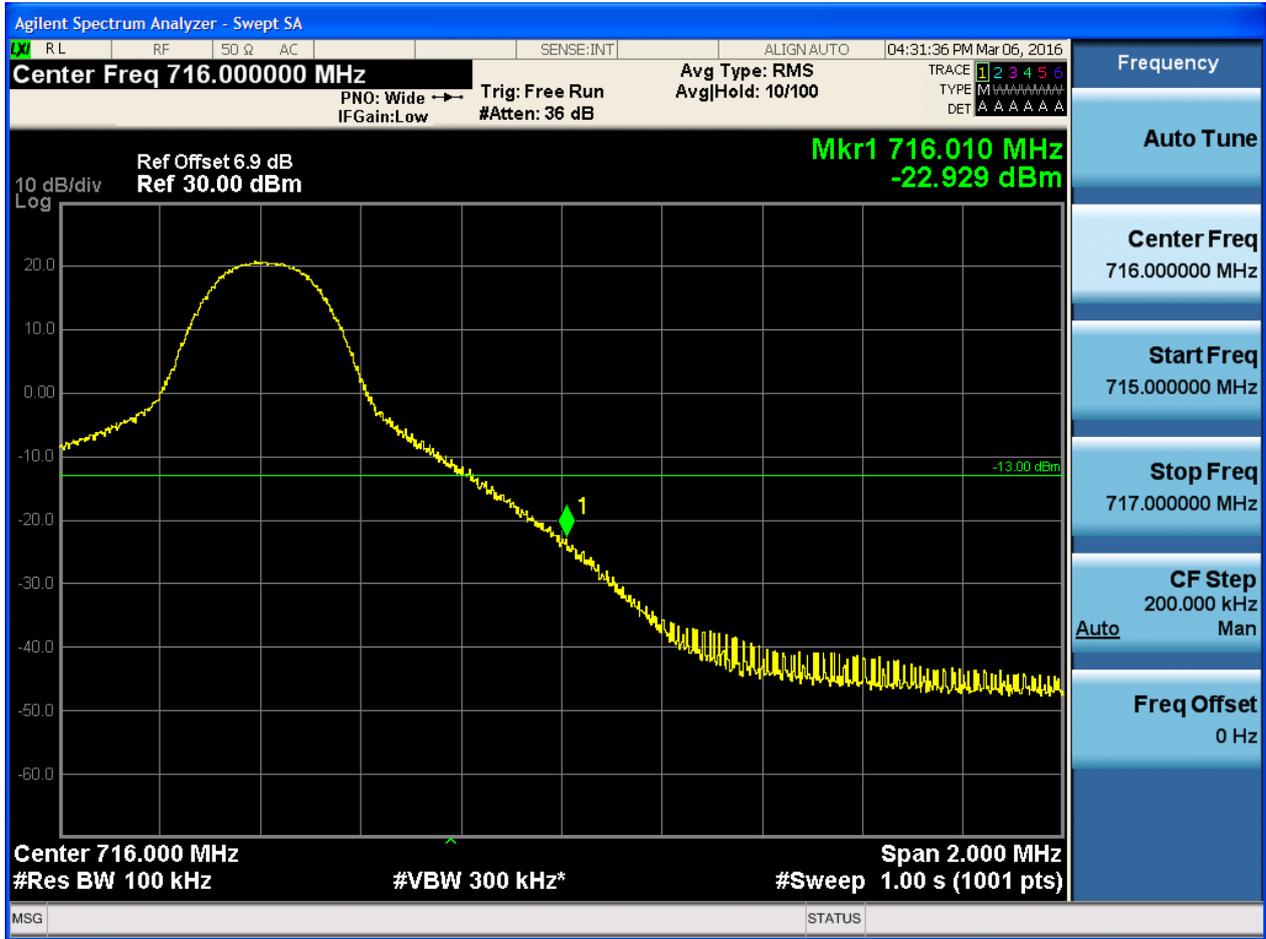
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



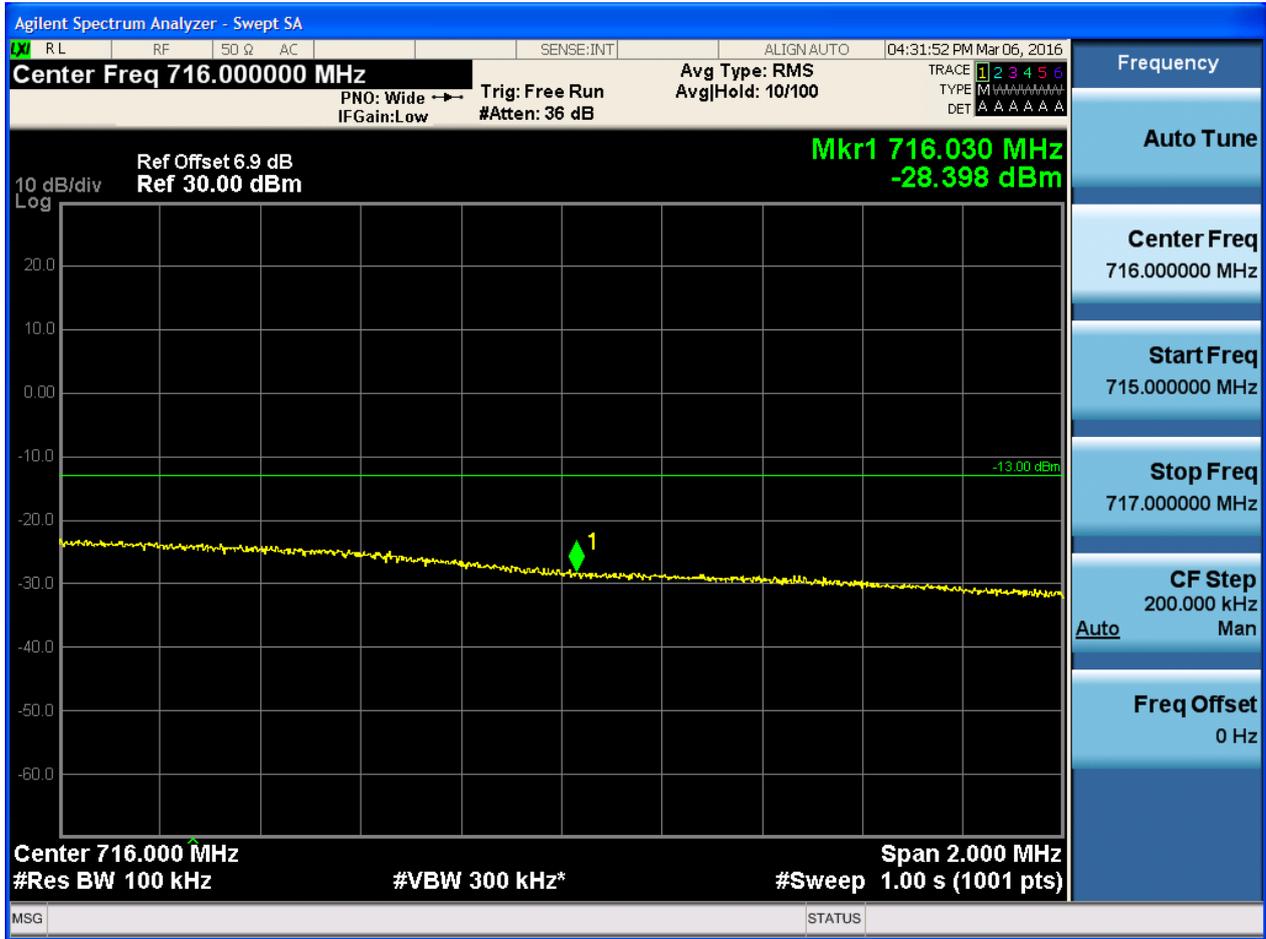


5.1.1.1.2.2.2 Test RB = RB1#49





5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0



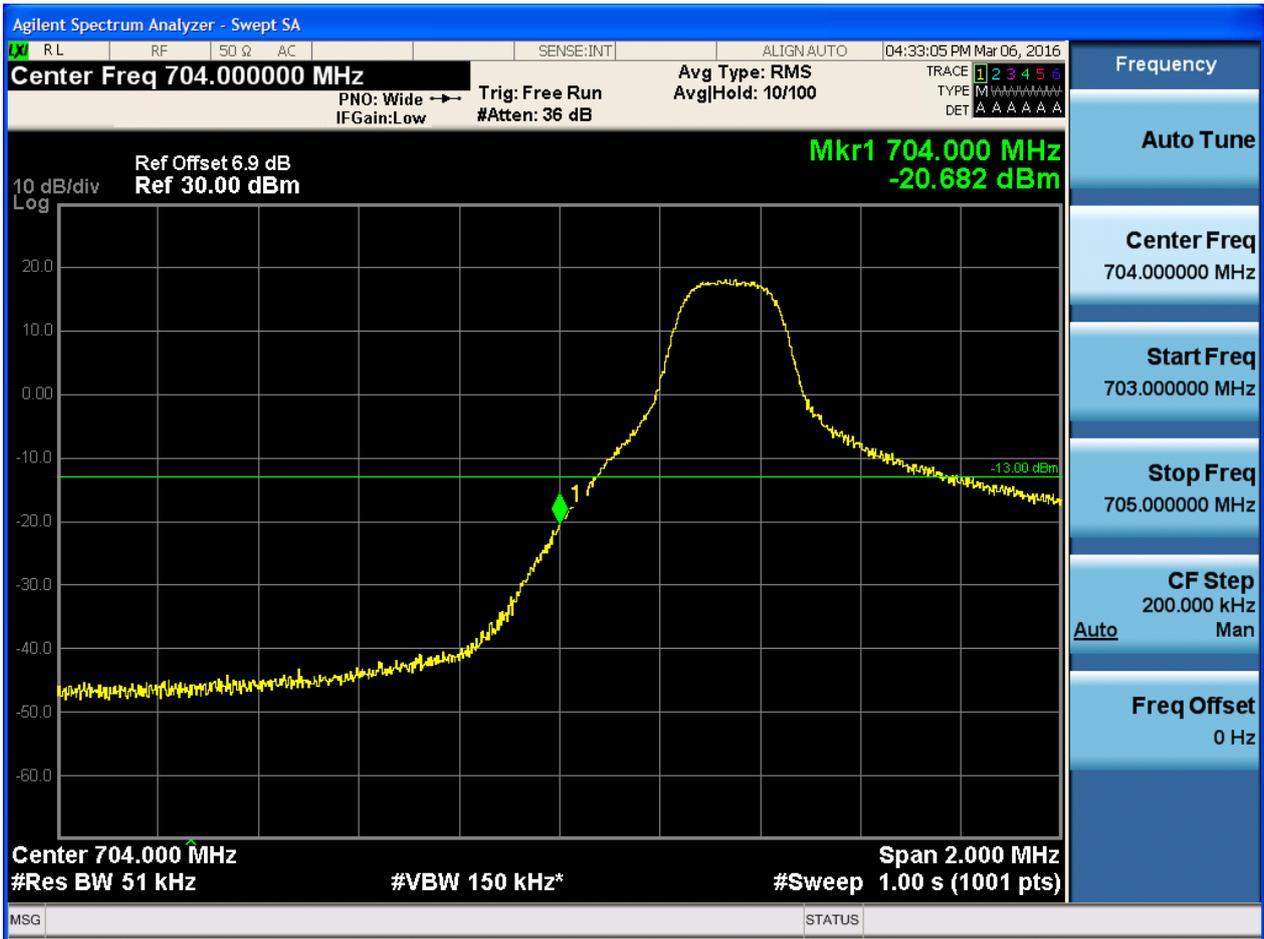


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

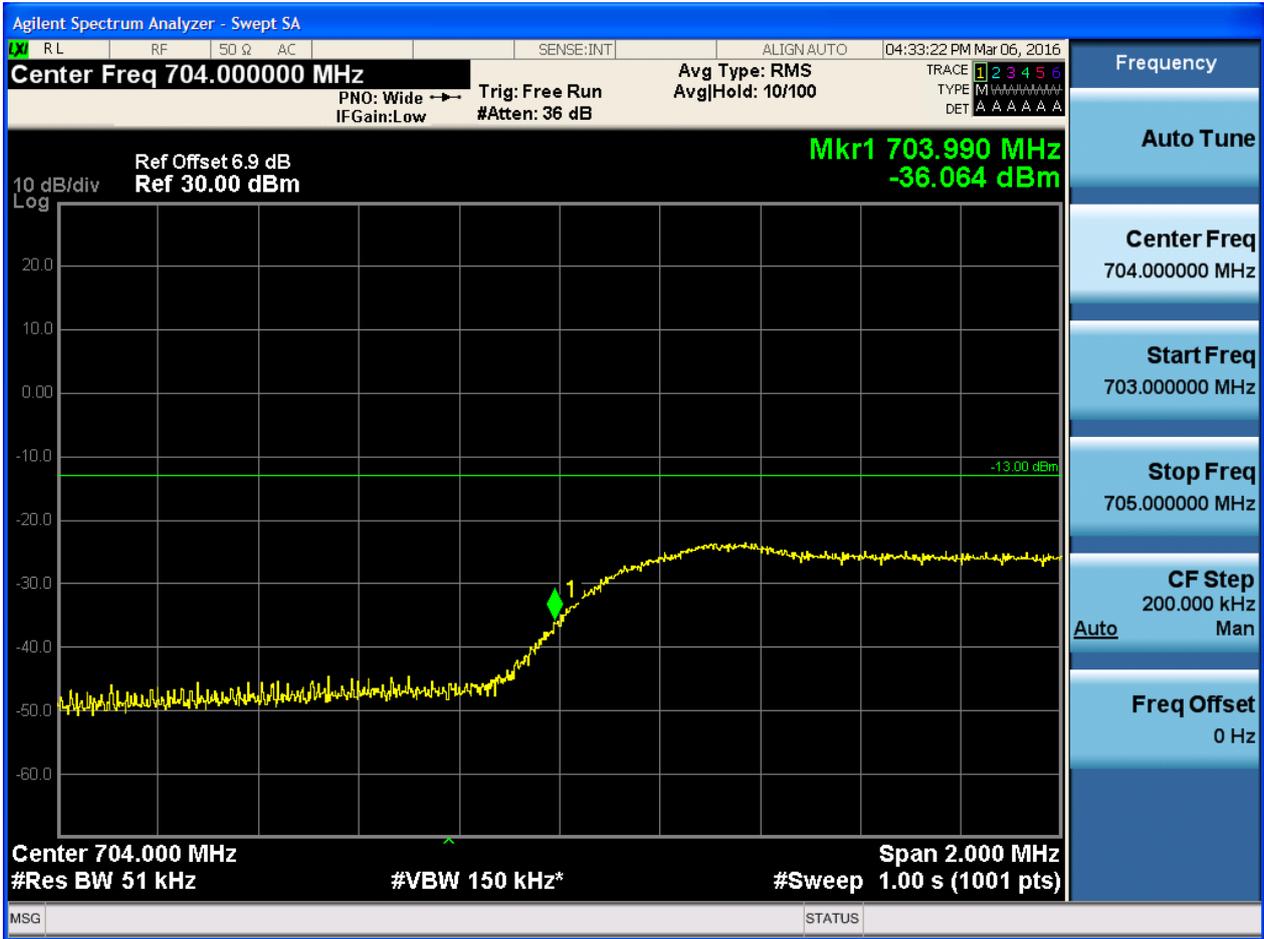
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



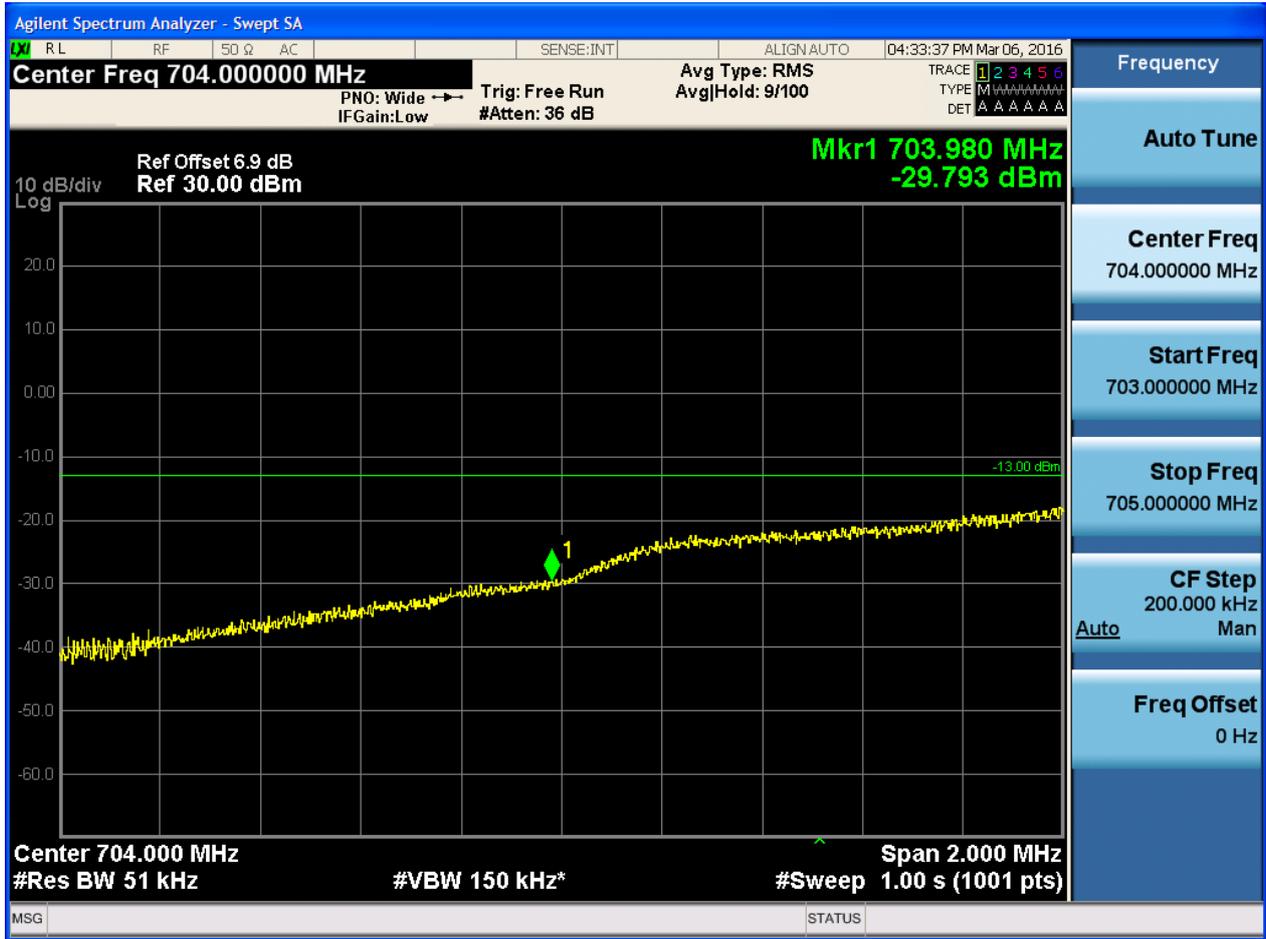


5.1.1.2.1.1.2 Test RB = RB1#24



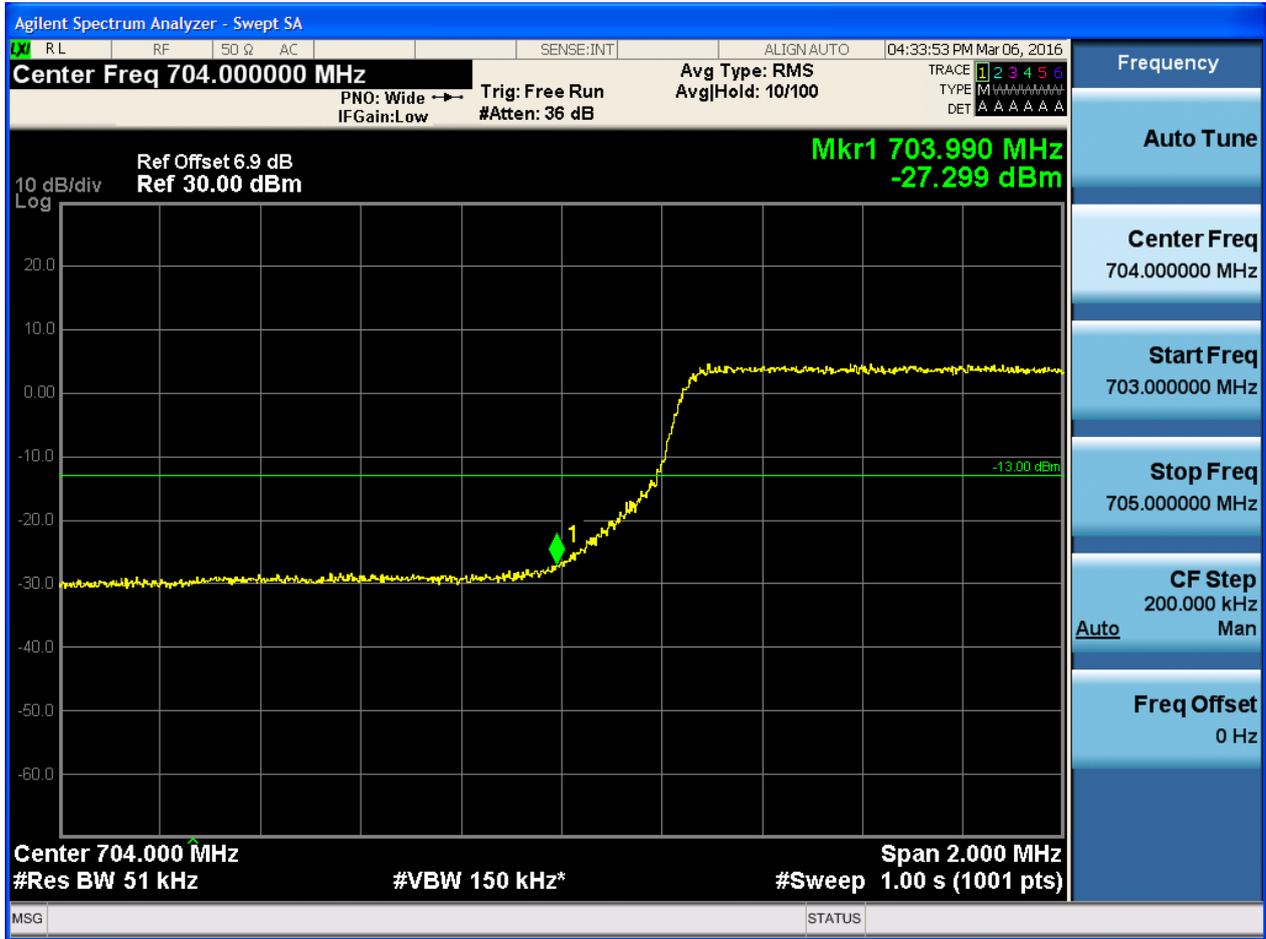


5.1.1.2.1.1.3 Test RB = RB12#6





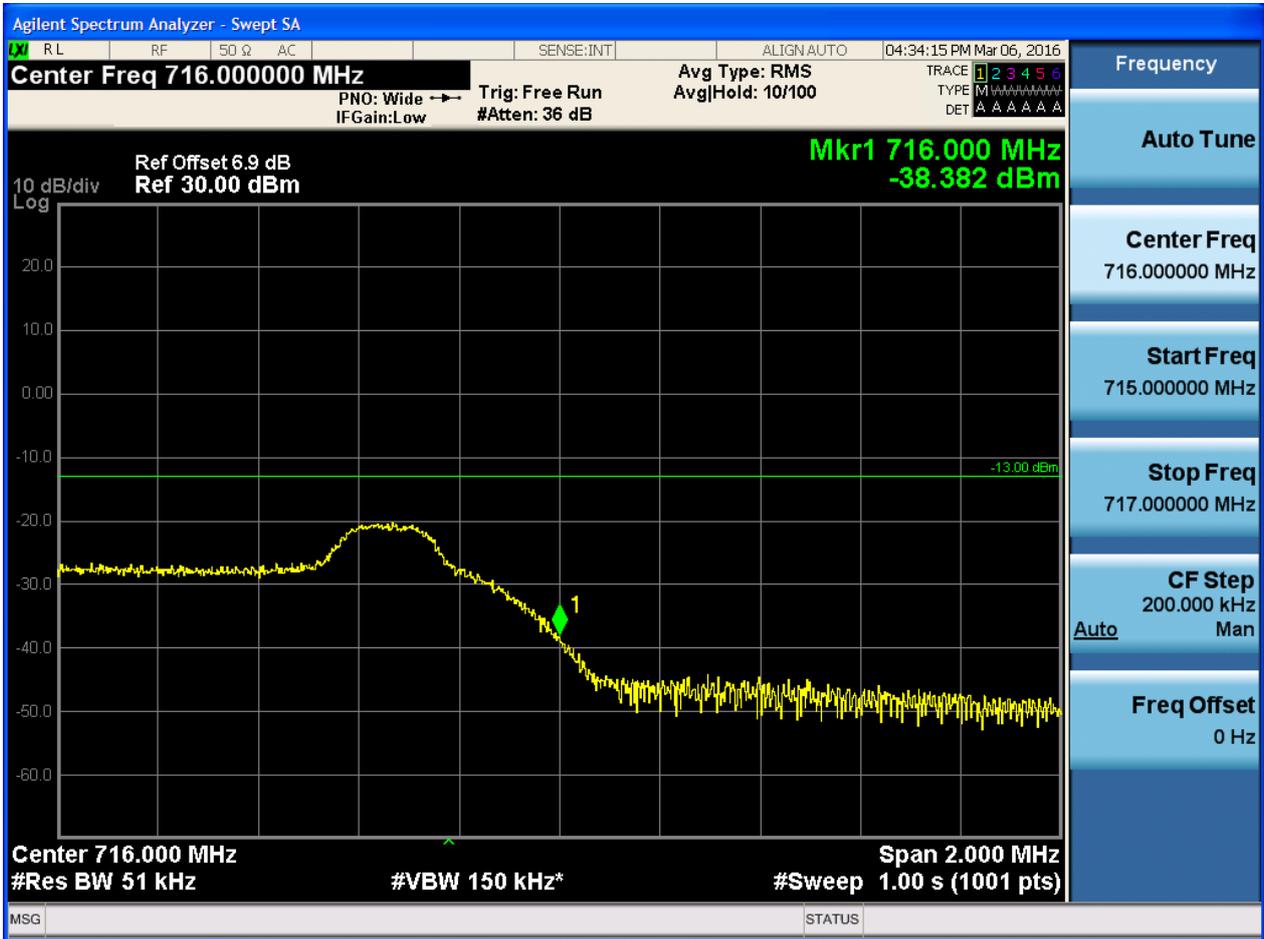
5.1.1.2.1.1.4 Test RB = RB25#0





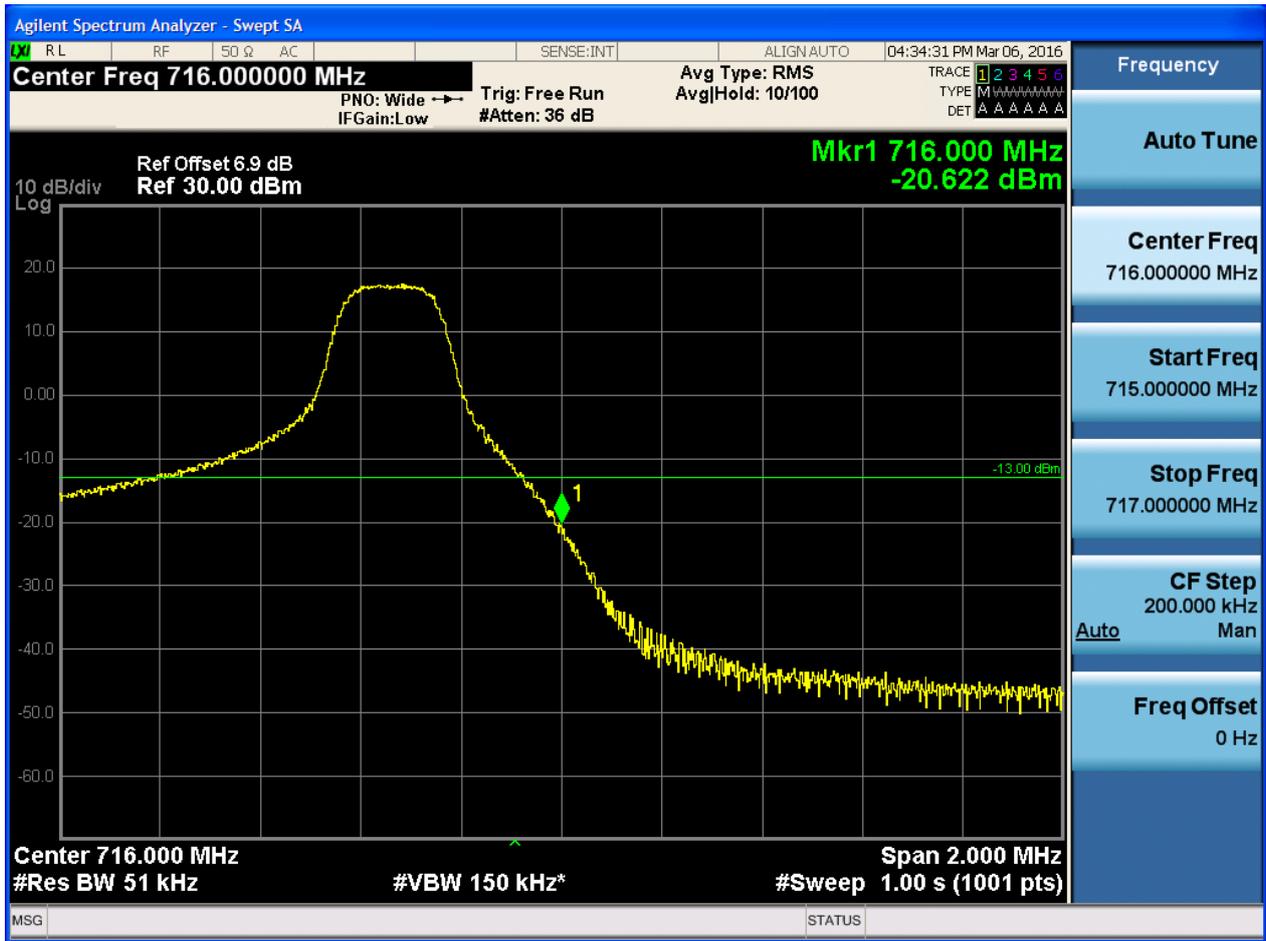
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



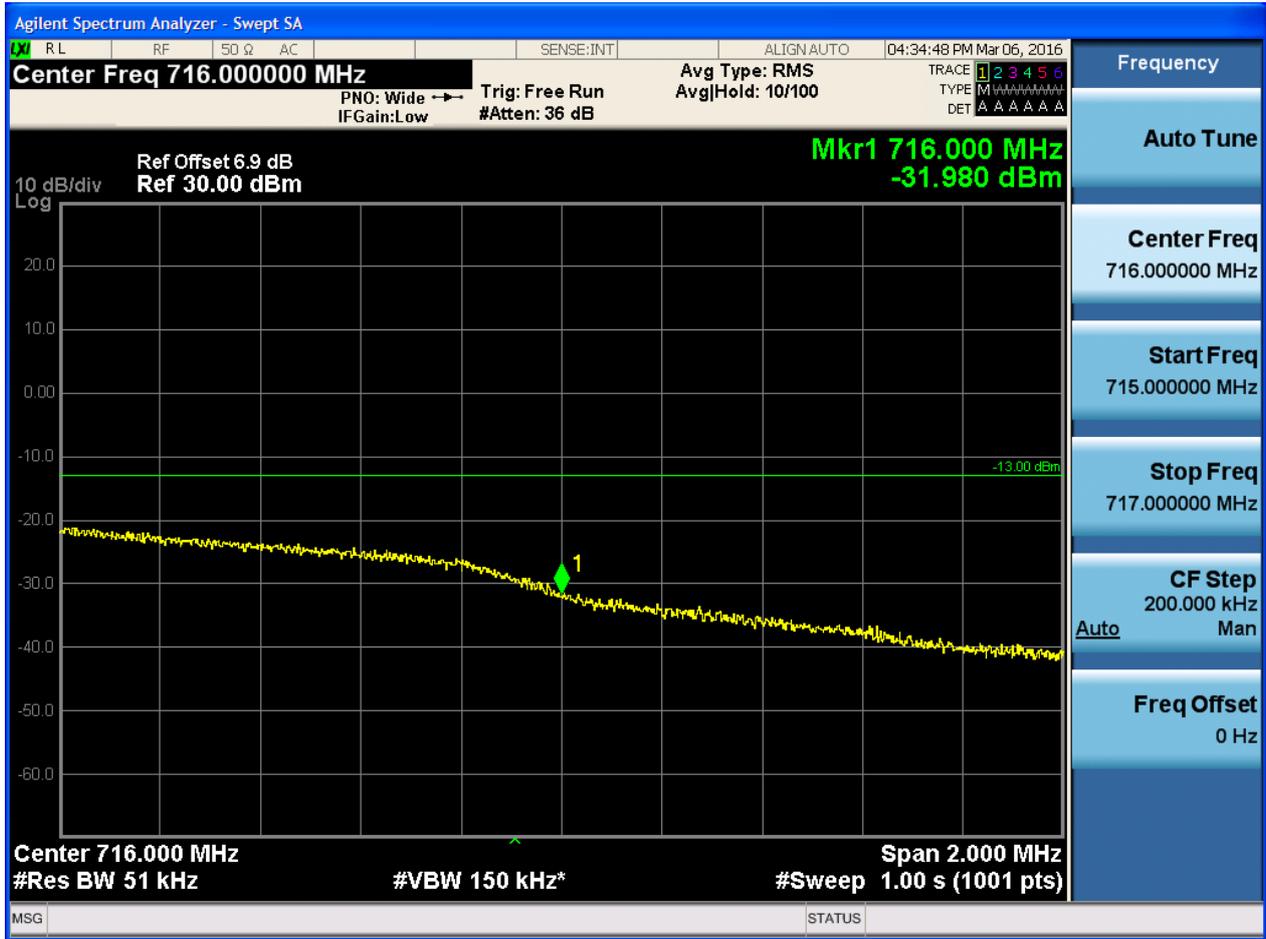


5.1.1.2.1.2.2 Test RB = RB1#24



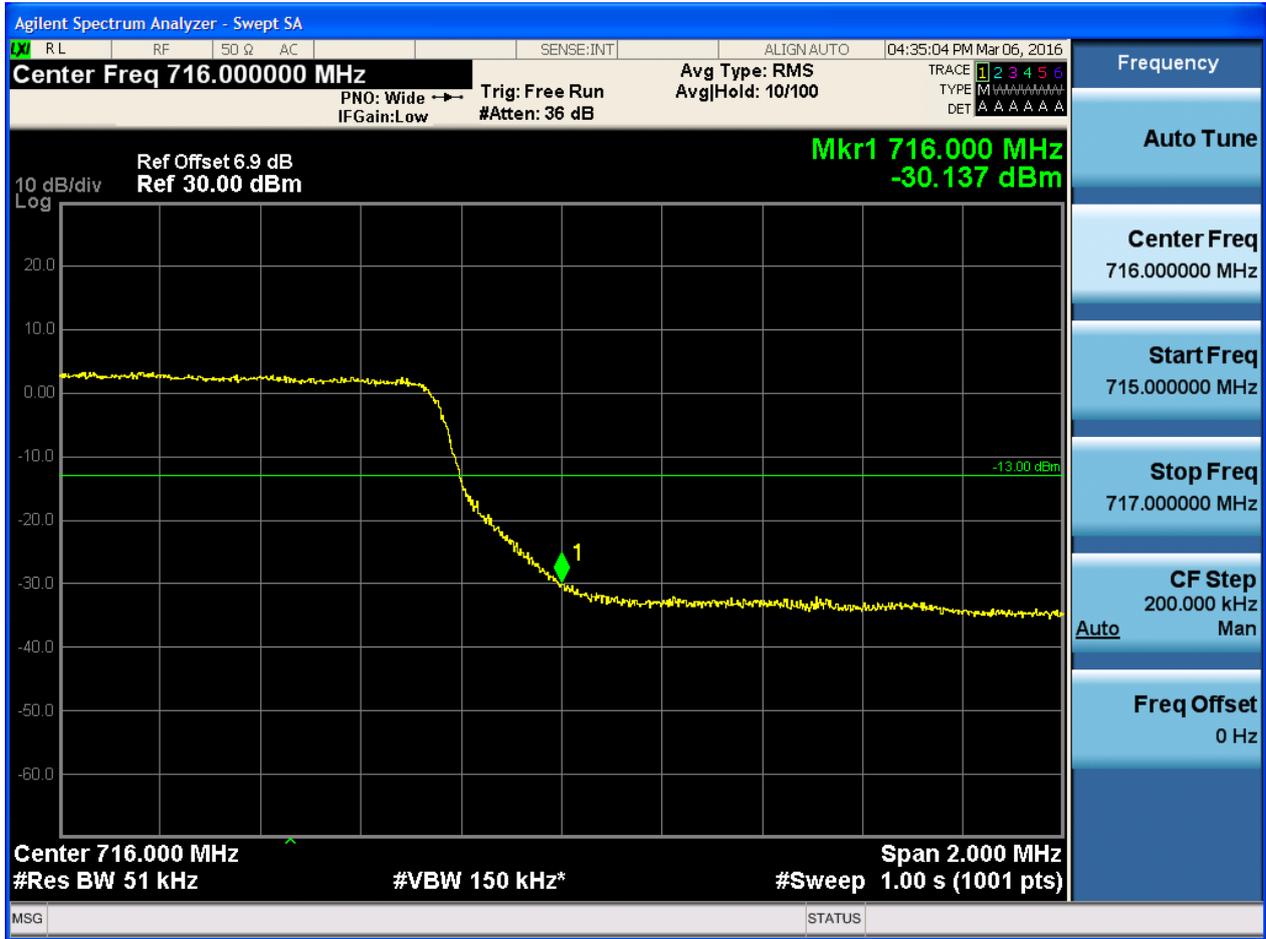


5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

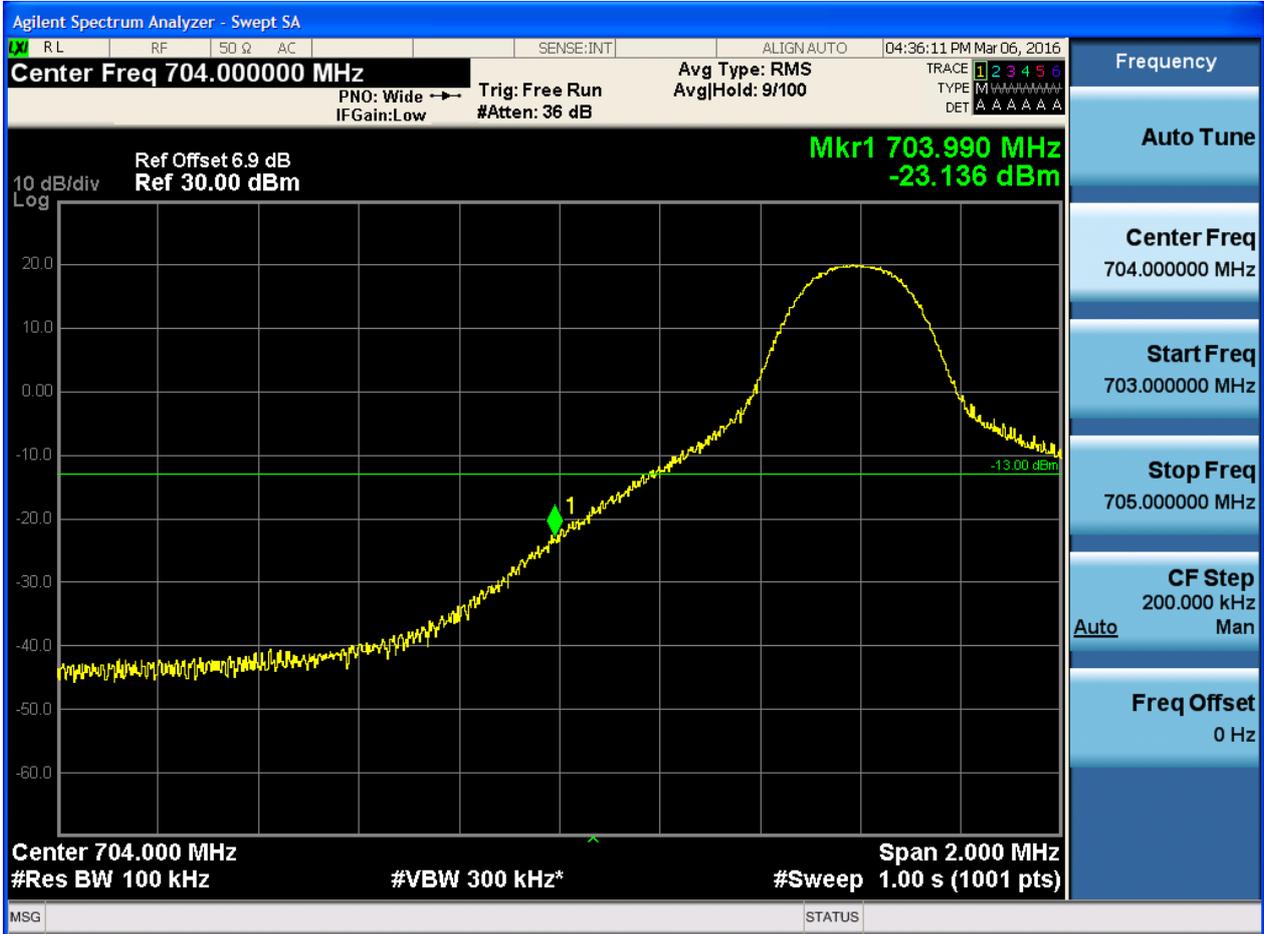




5.1.1.2.2 Test Bandwidth = 10

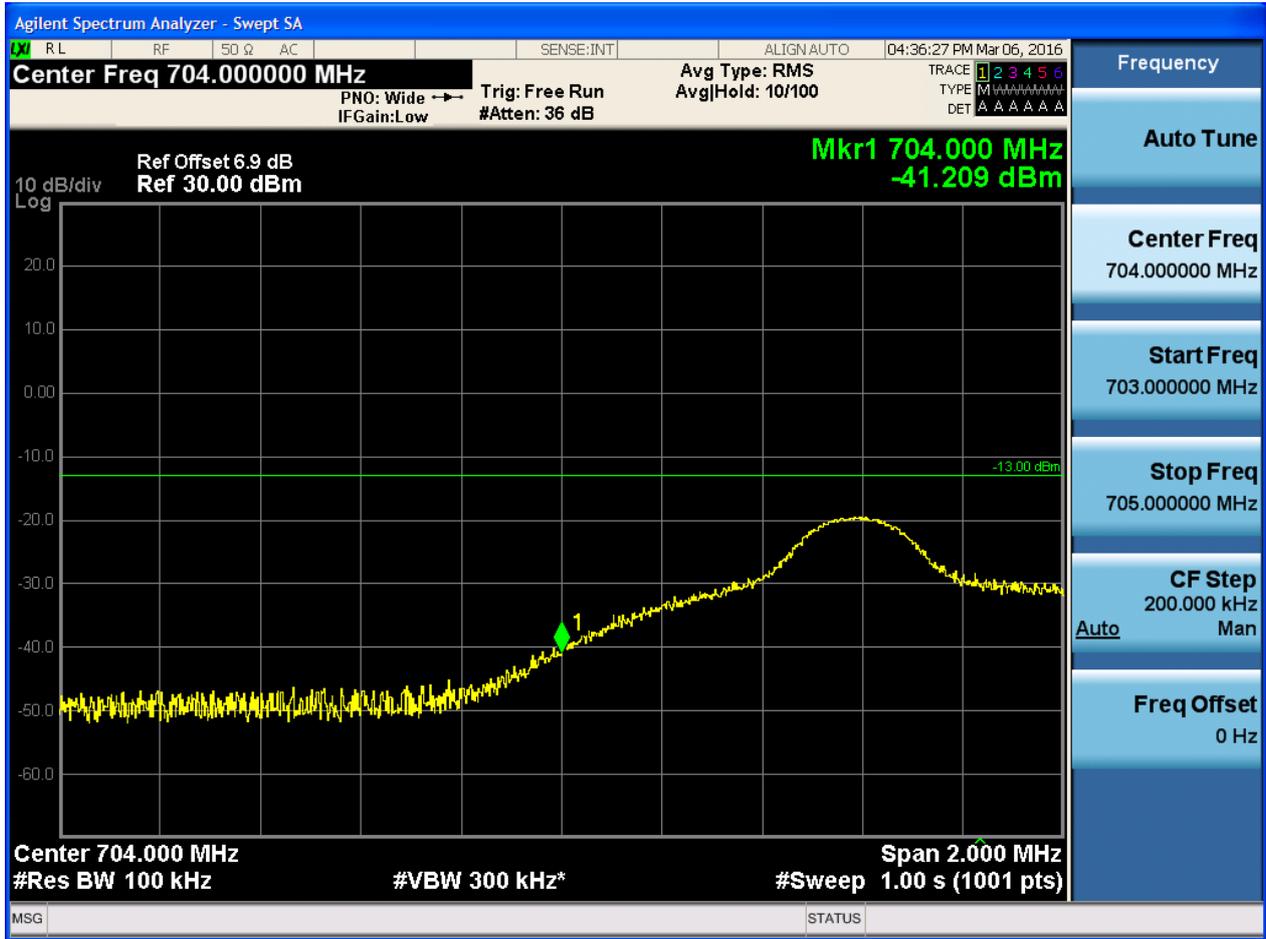
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



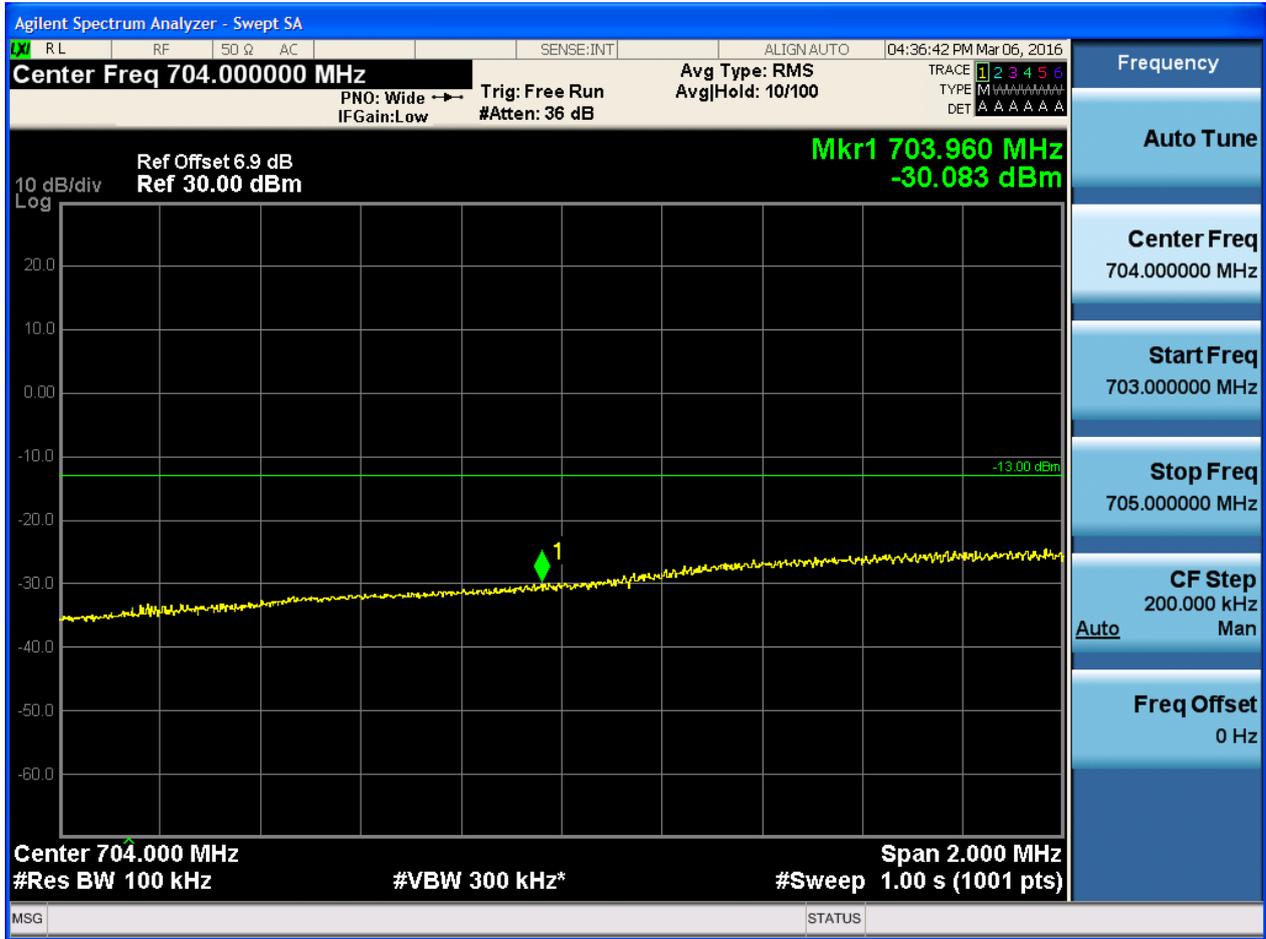


5.1.1.2.2.1.2 Test RB = RB1#49





5.1.1.2.2.1.3 Test RB = RB25#13





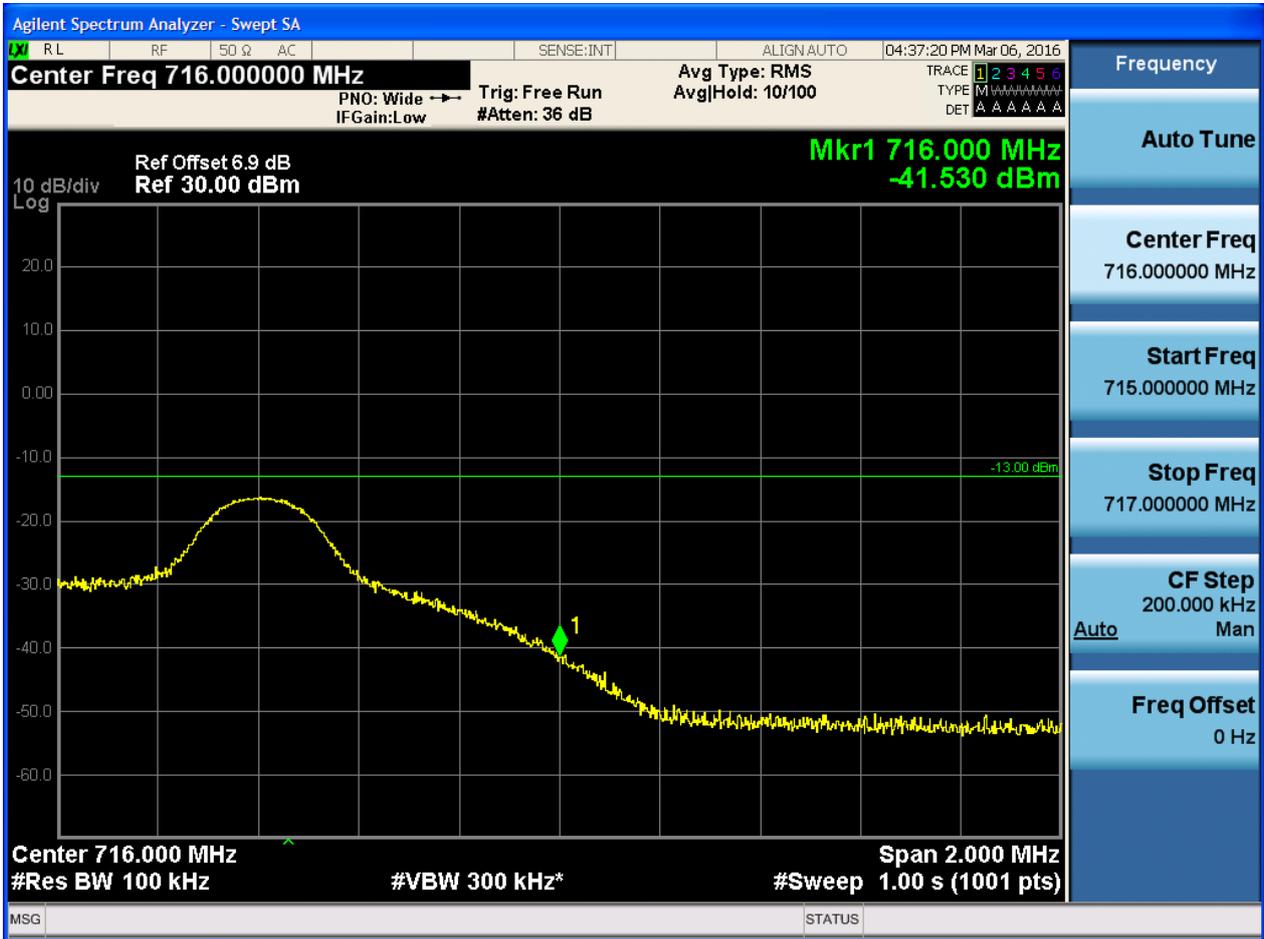
5.1.1.2.2.1.4 Test RB = RB50#0





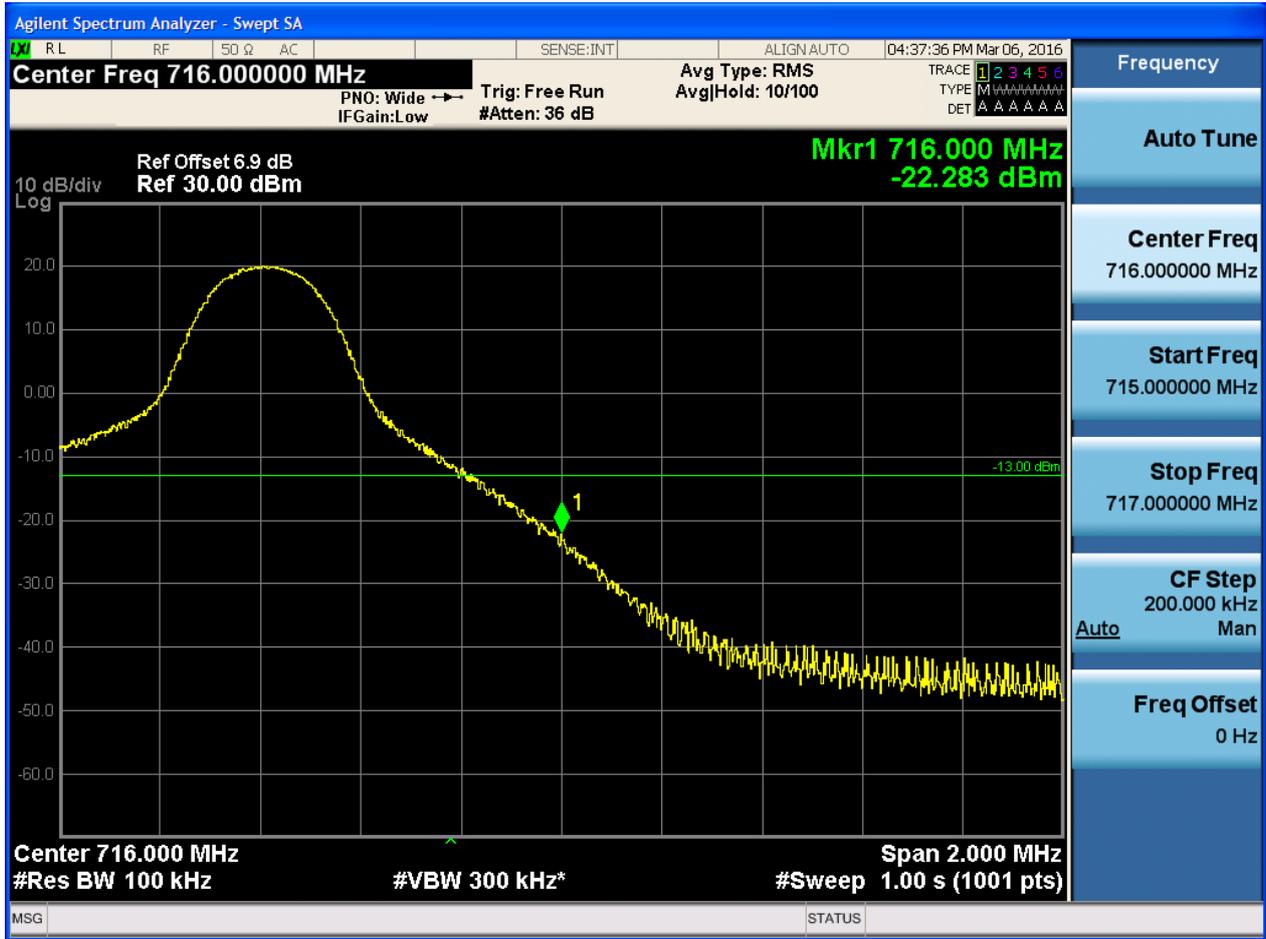
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



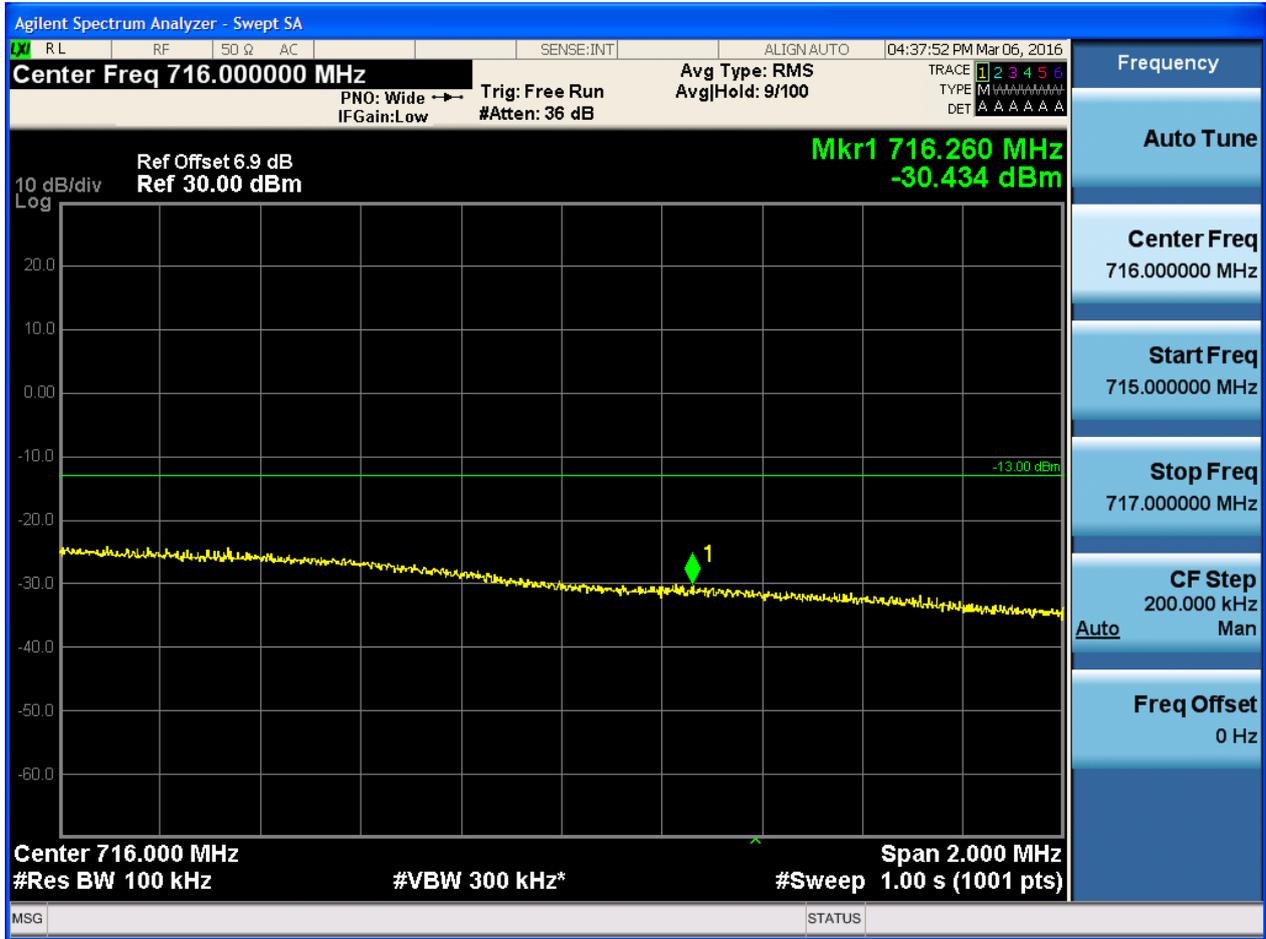


5.1.1.2.2.2 Test RB = RB1#49





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

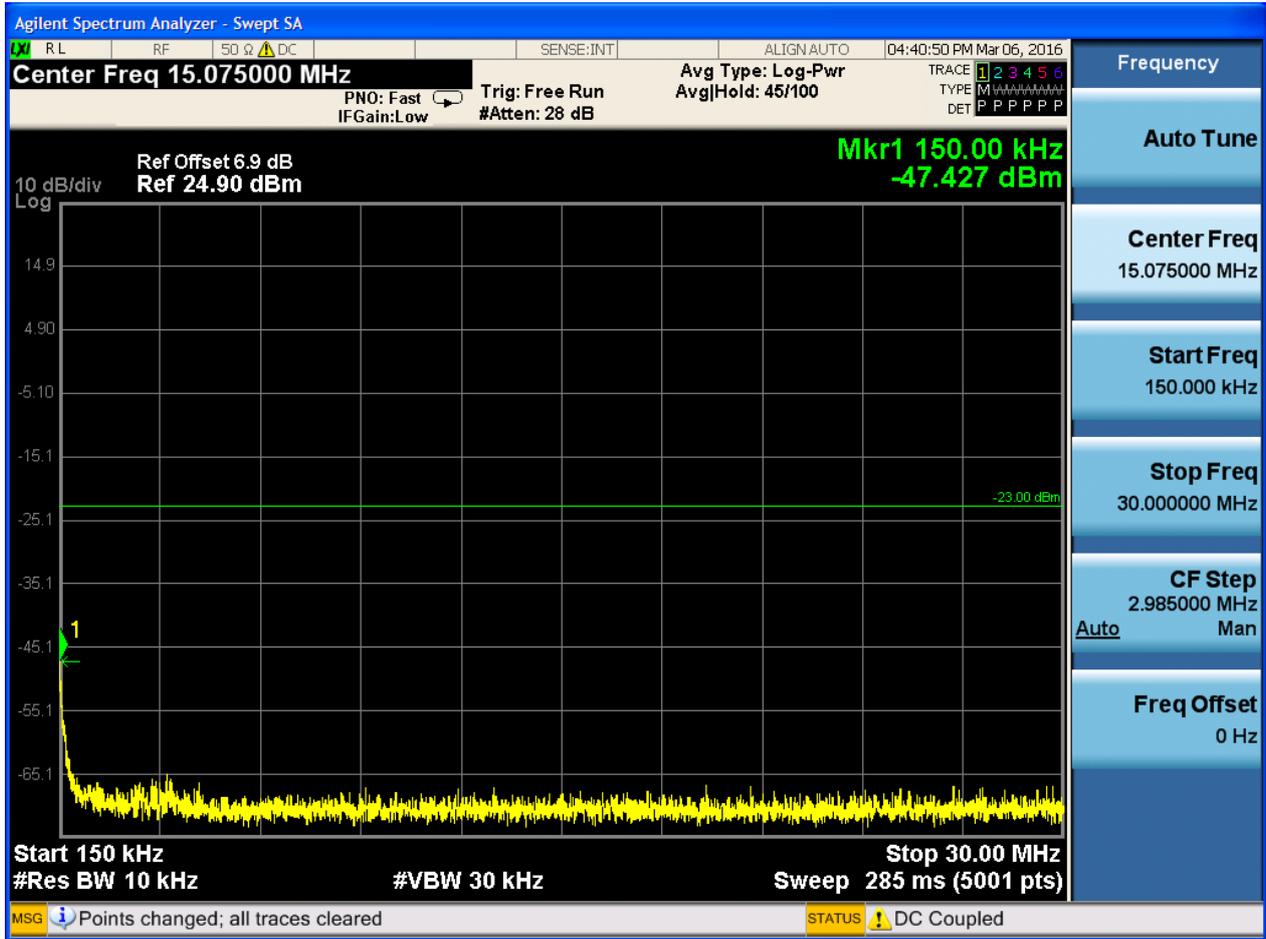
##### 6.1.1.1 Test Mode = LTE/TM1

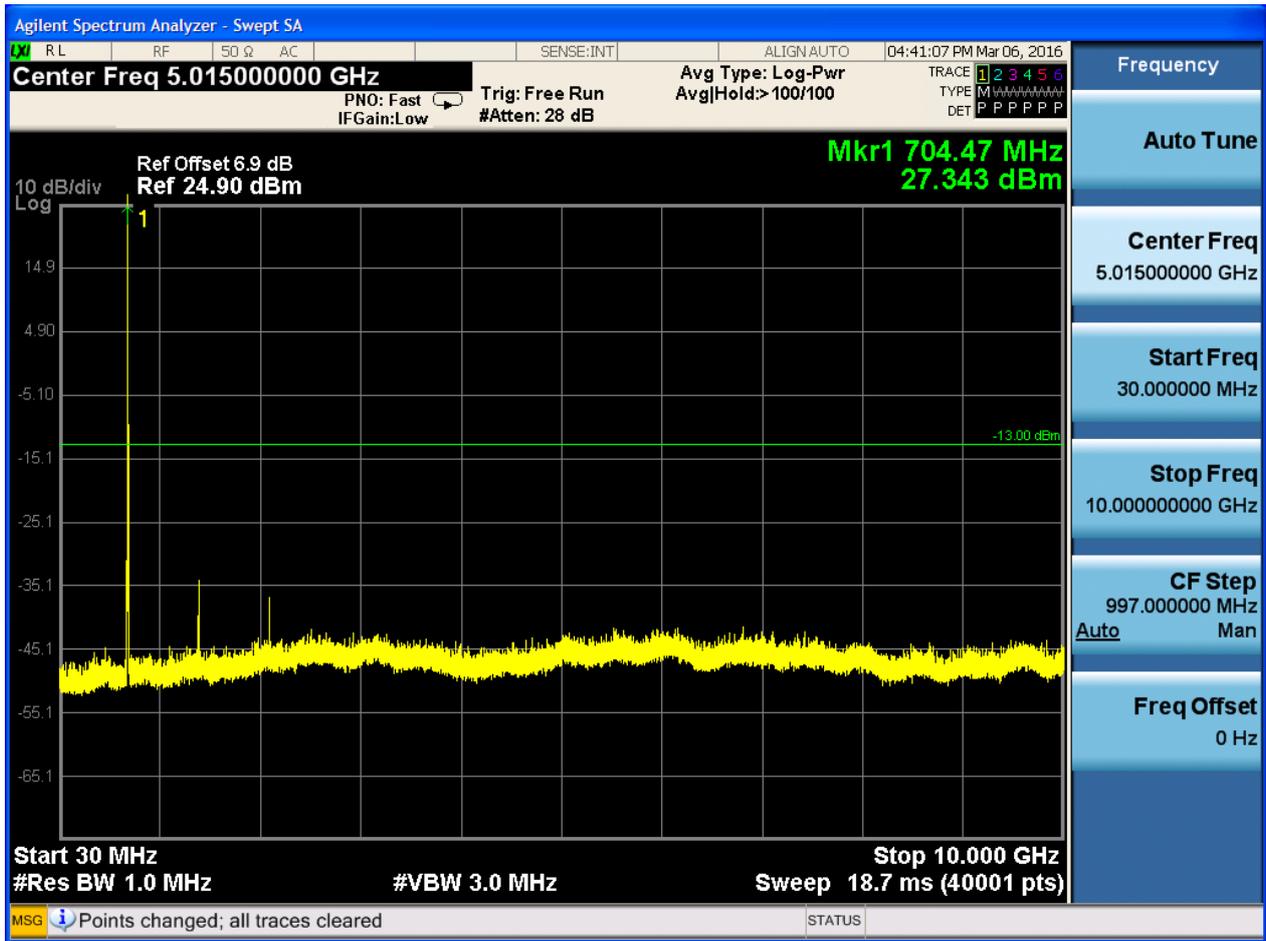
##### 6.1.1.1.1 Test Bandwidth = 5

##### 6.1.1.1.1.1 Test Channel = LCH

##### 6.1.1.1.1.1.1 Test RB = RB1#0



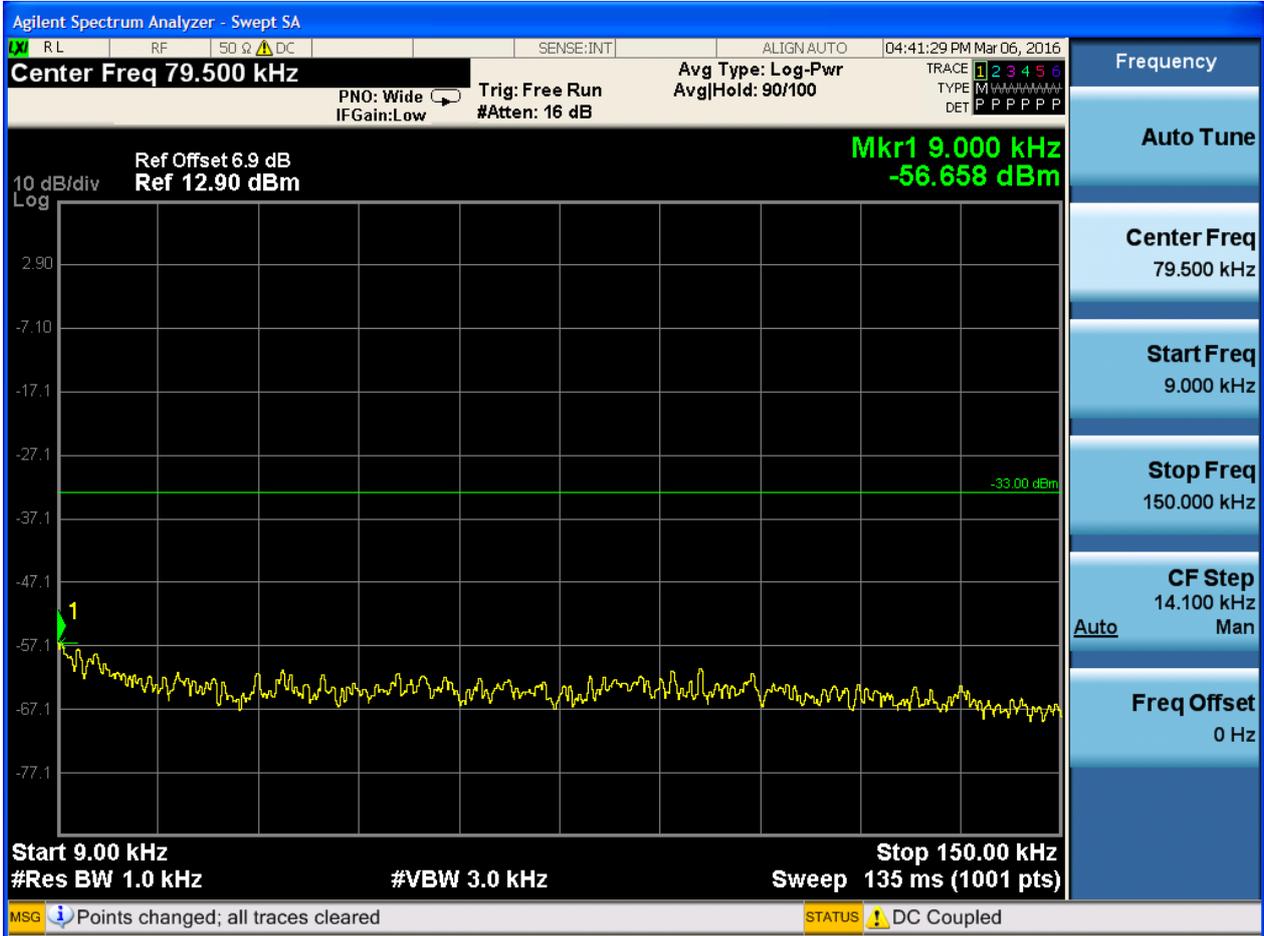


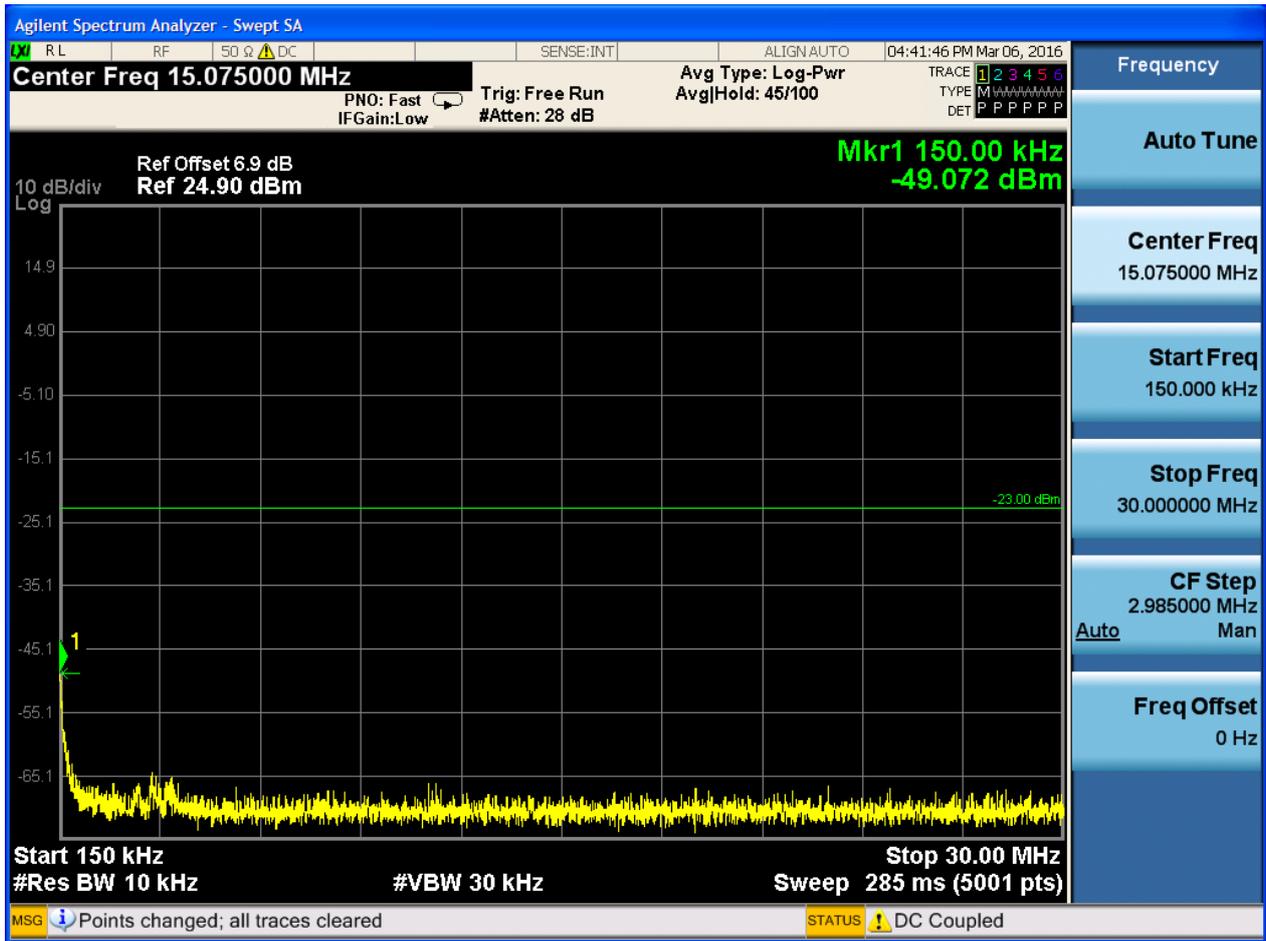


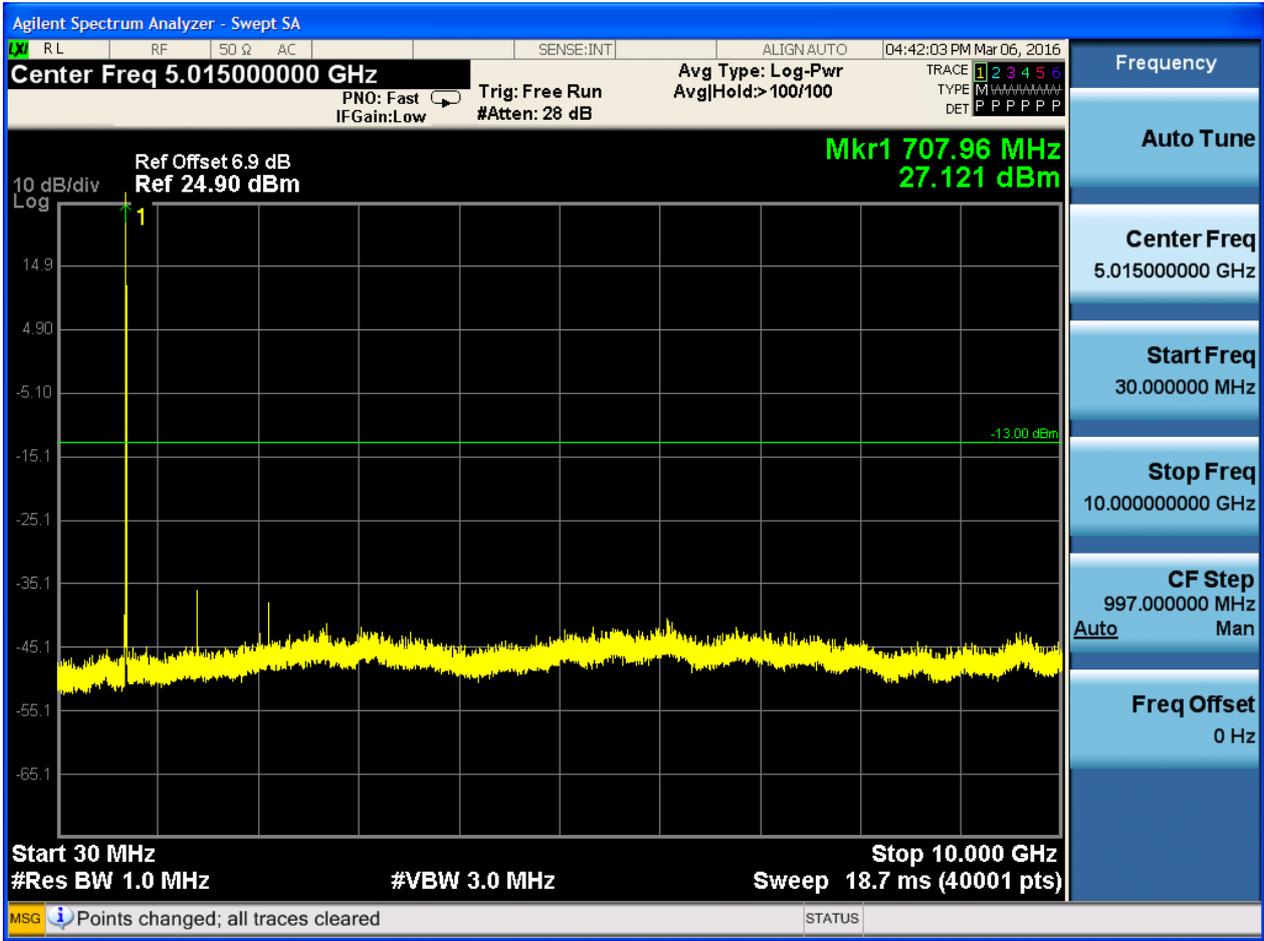


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



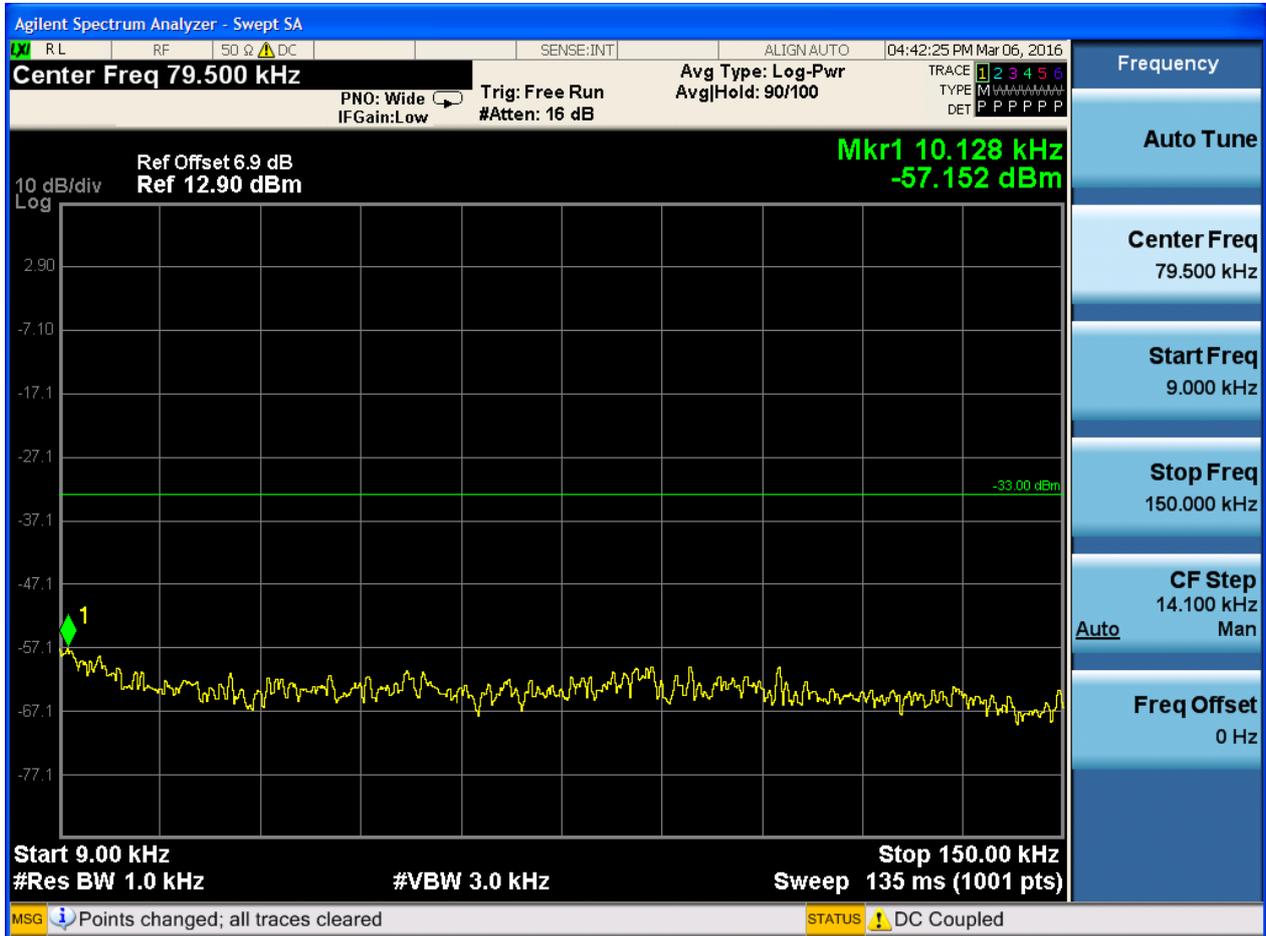


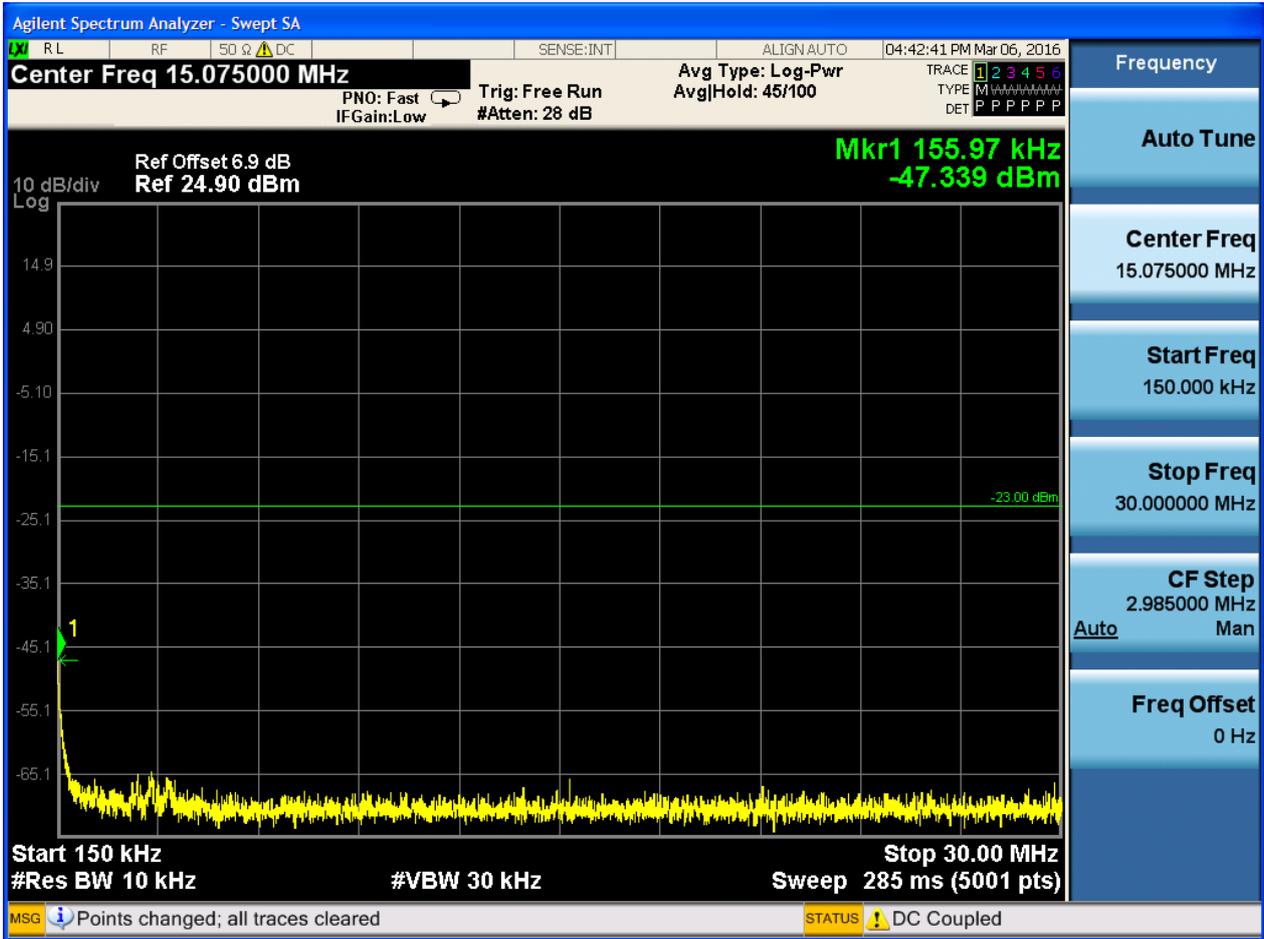


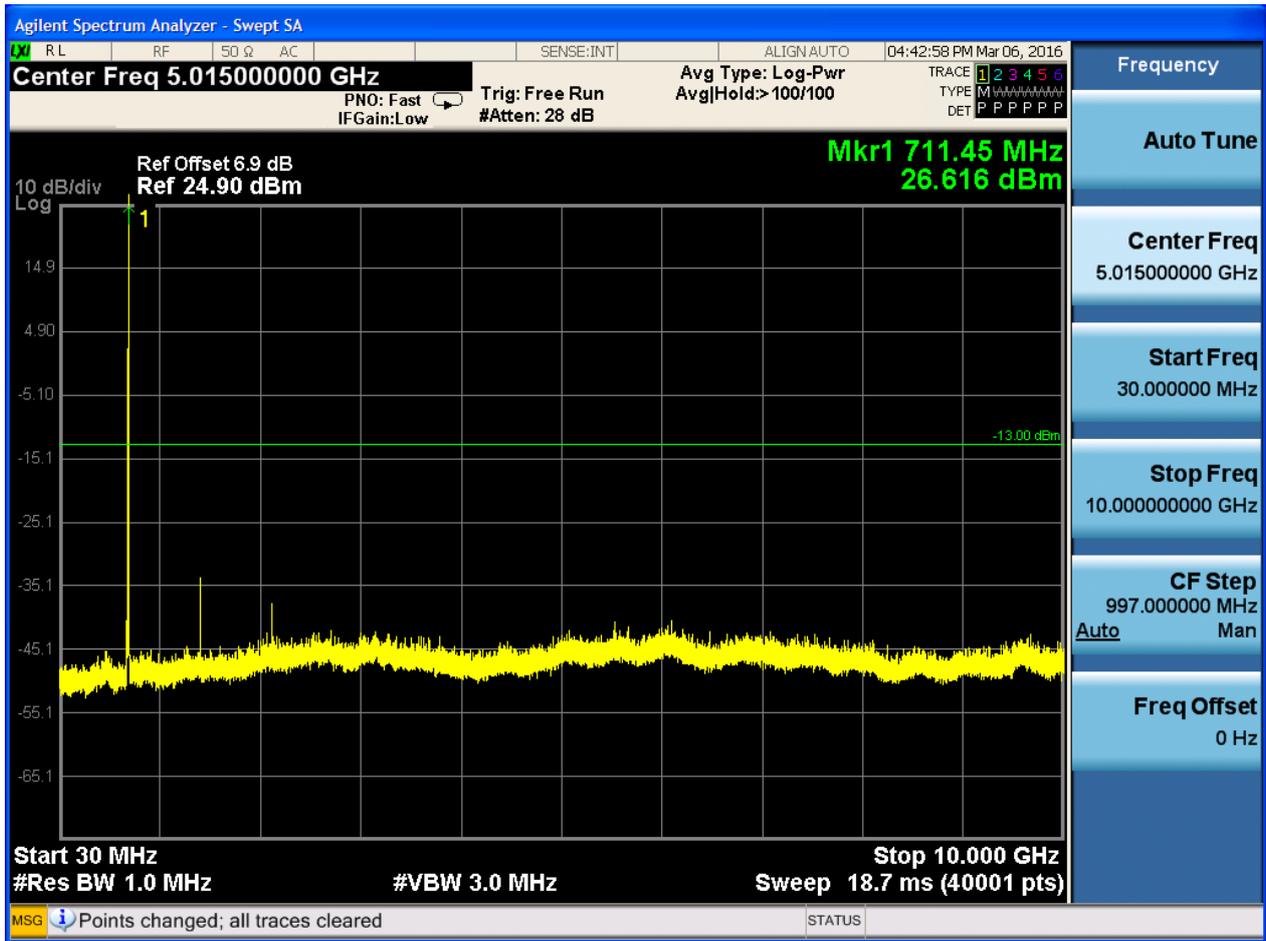


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





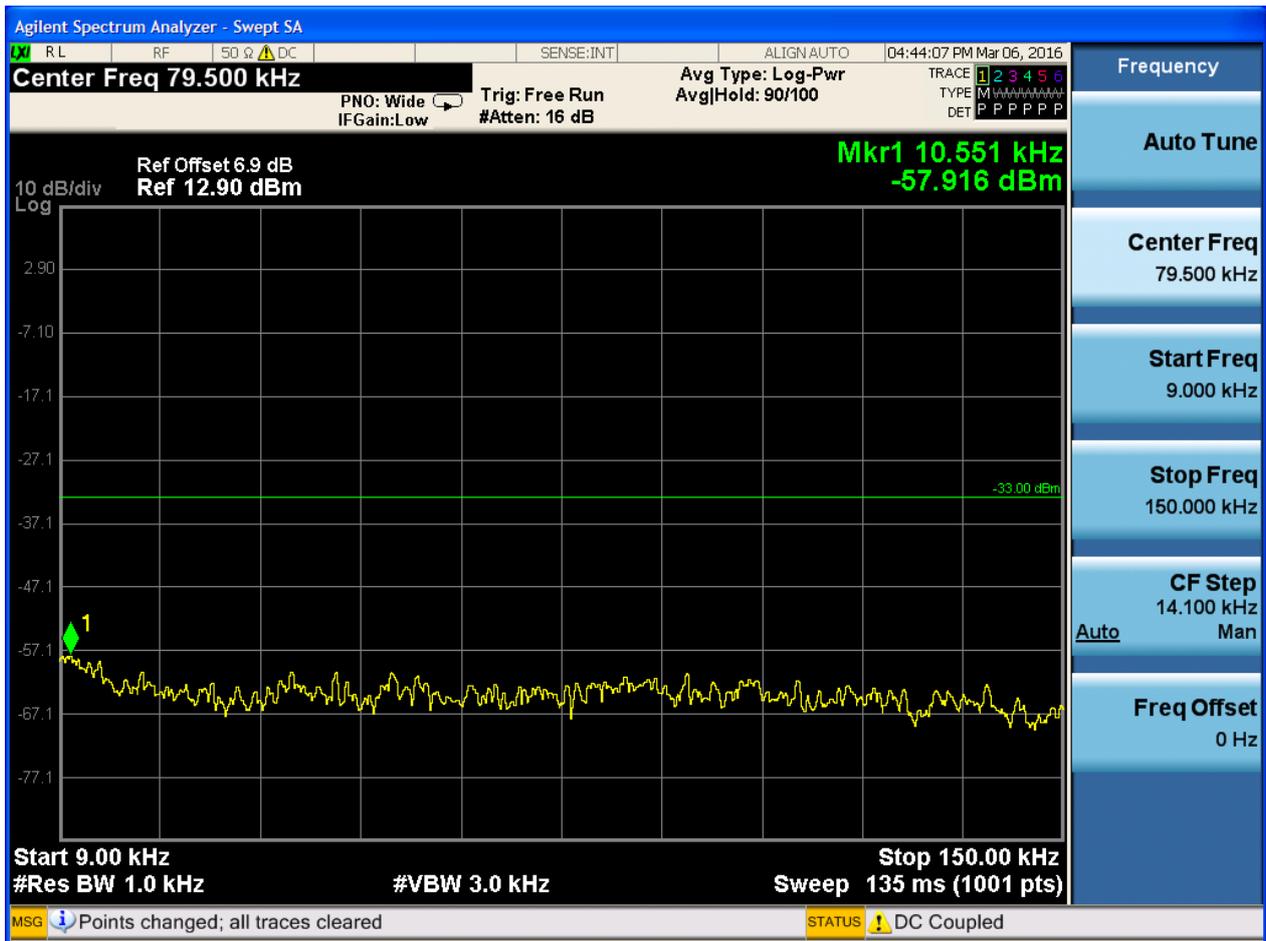


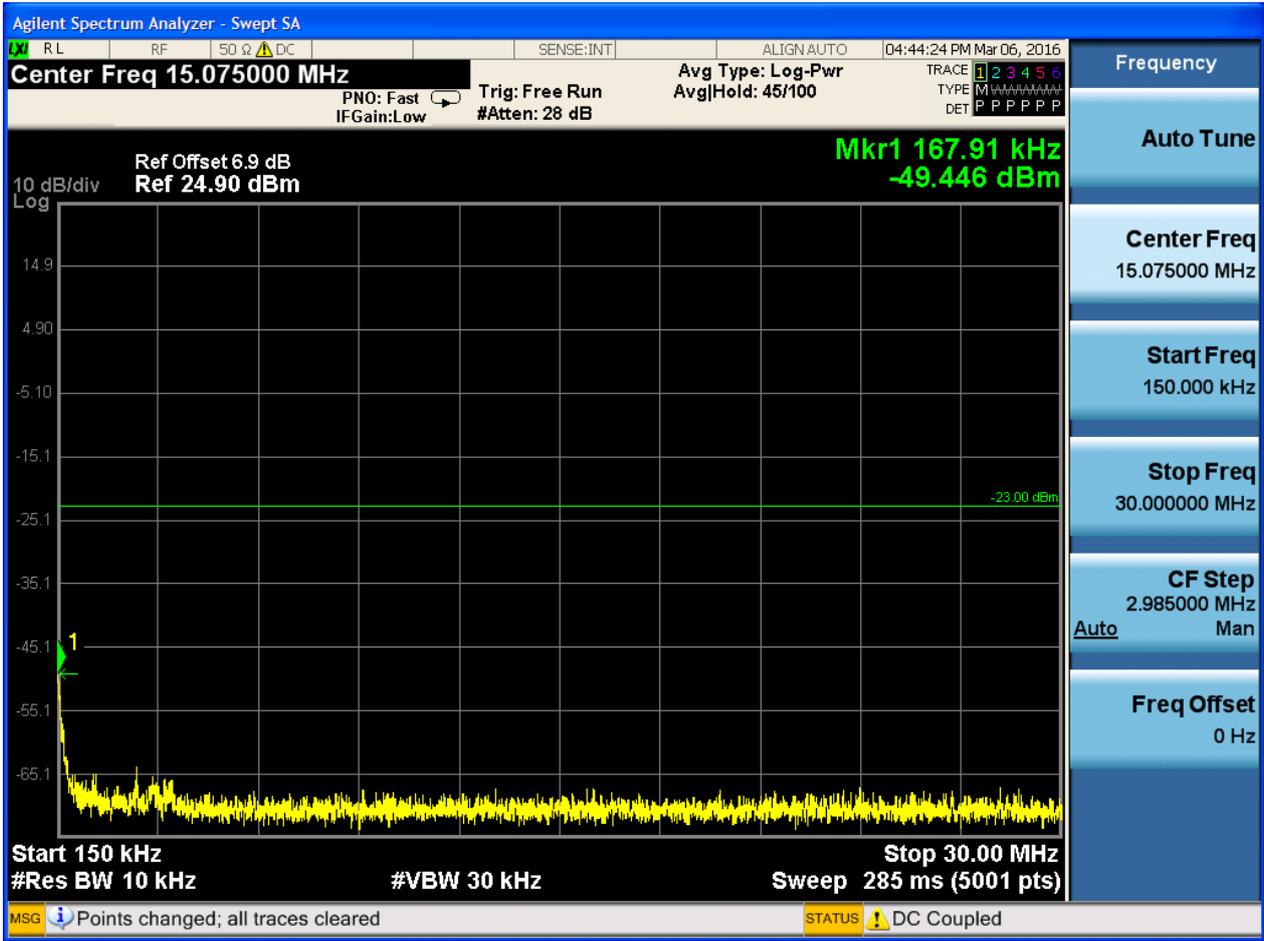


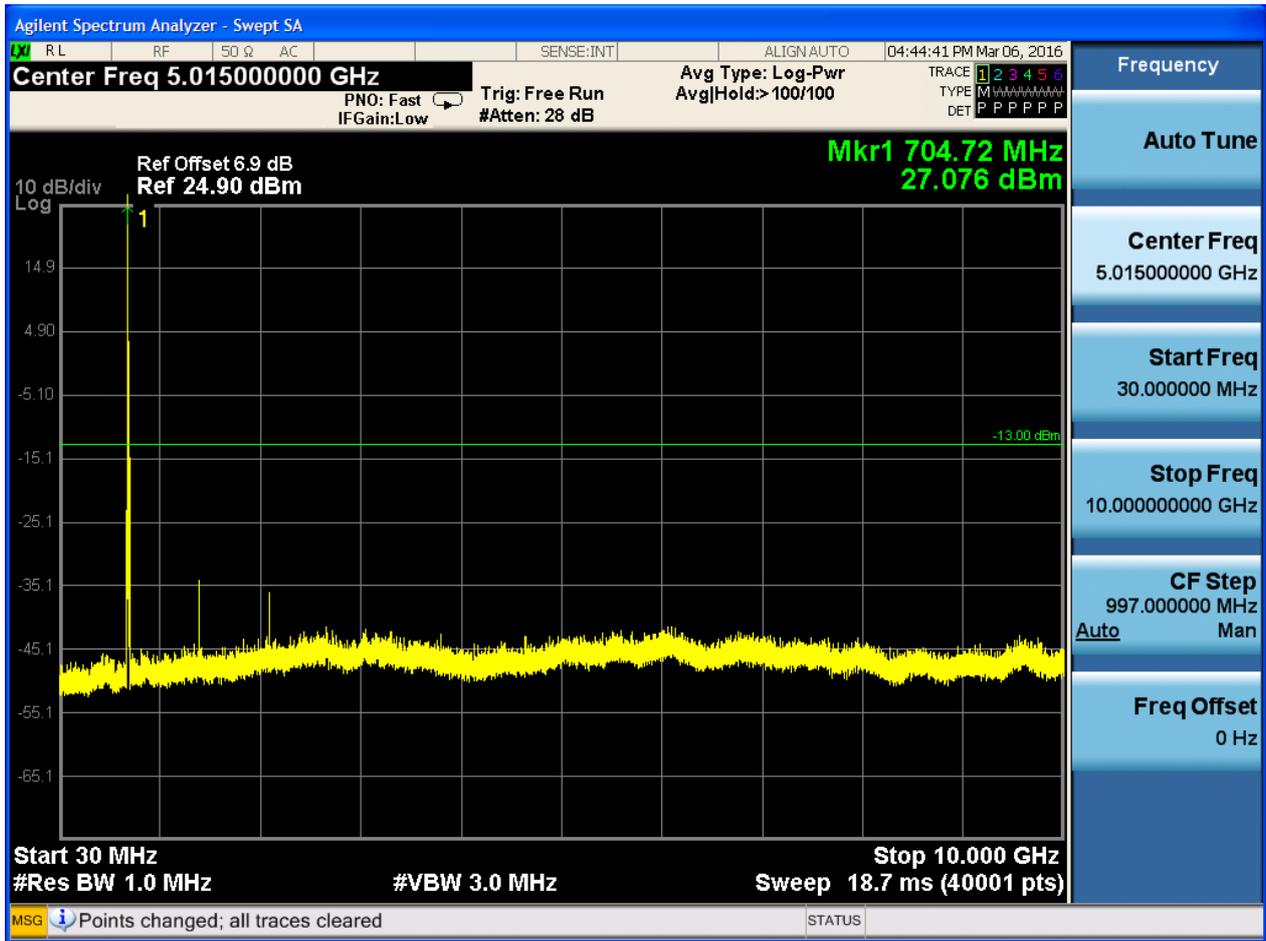
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



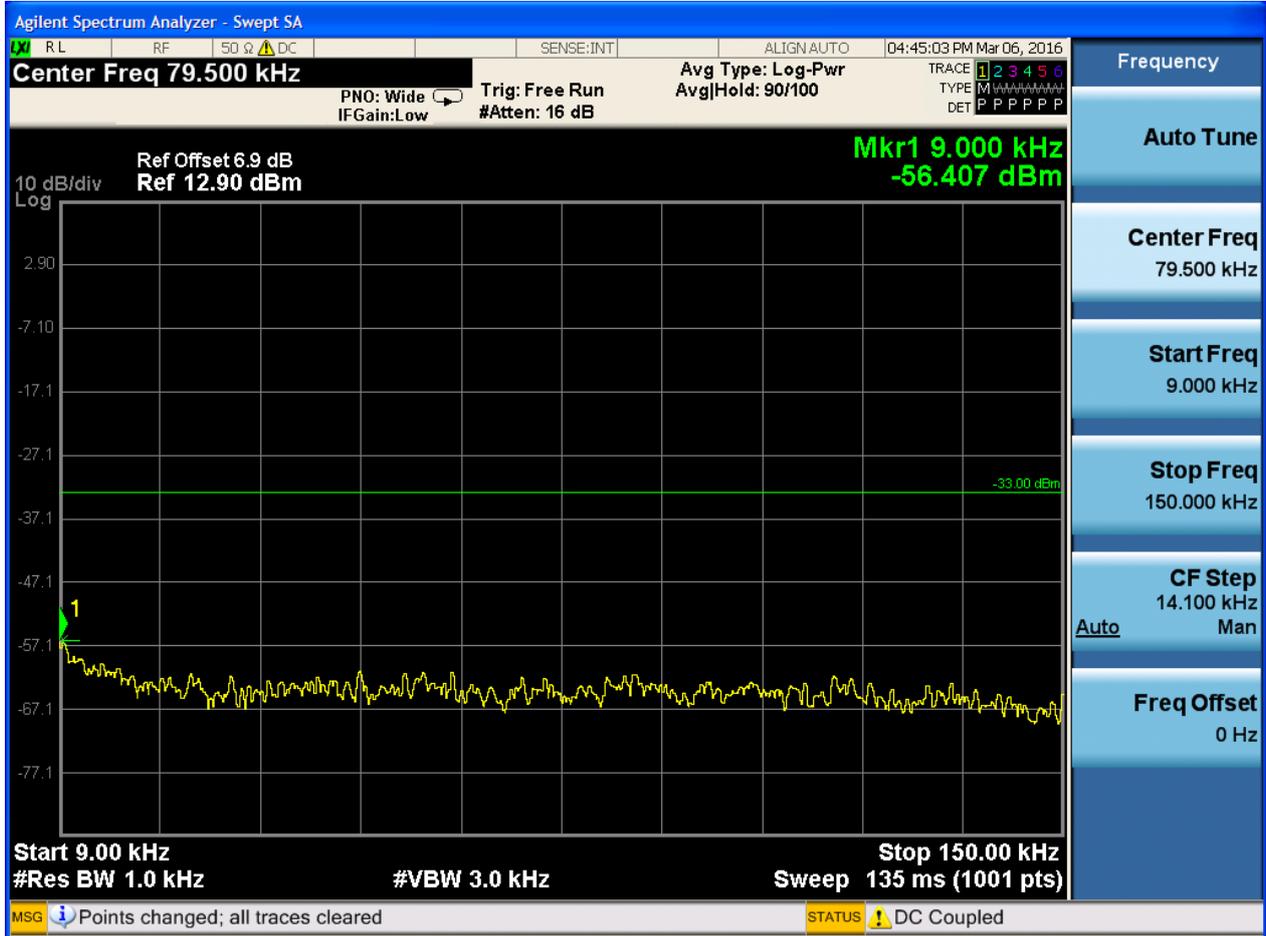


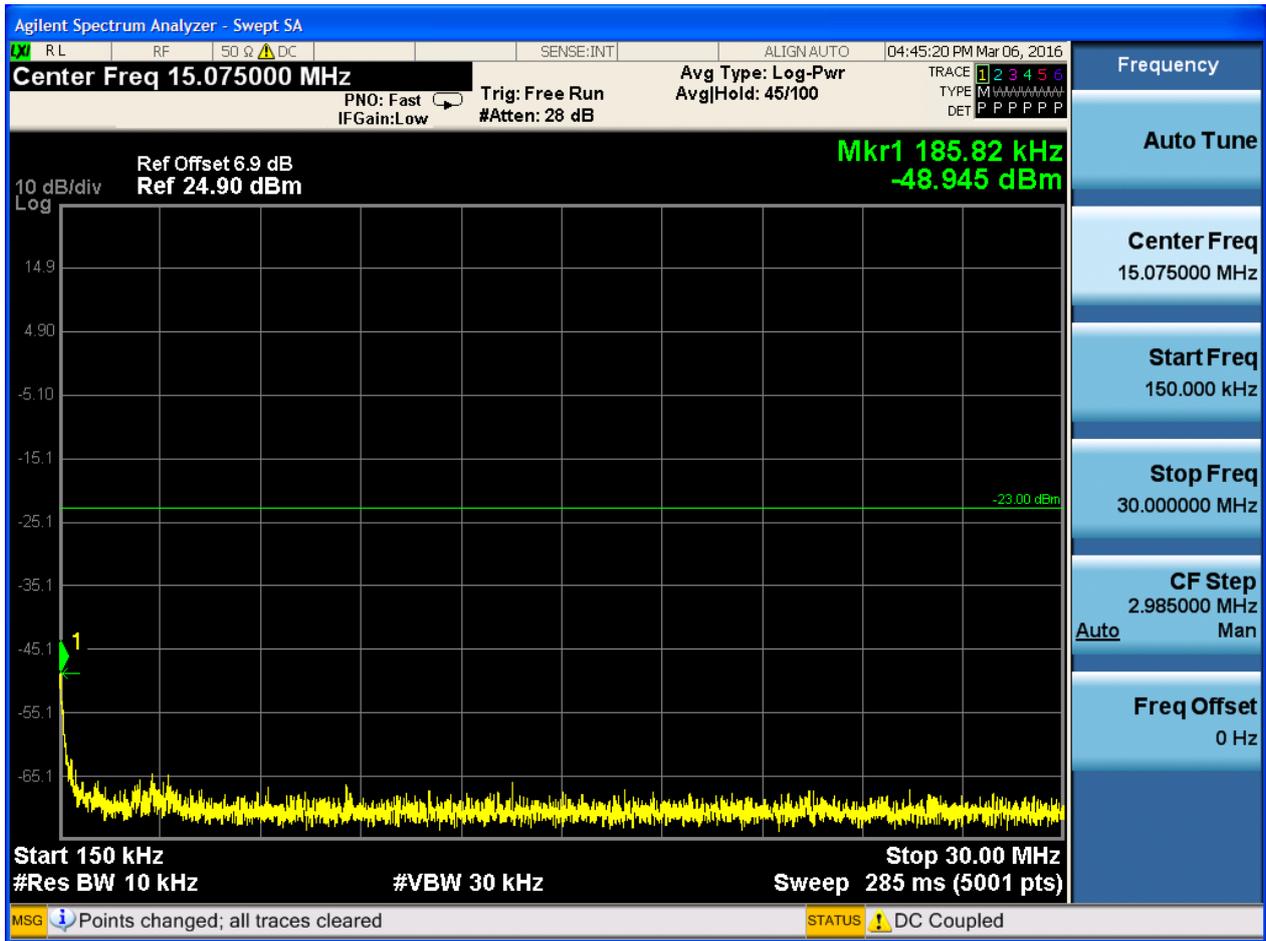


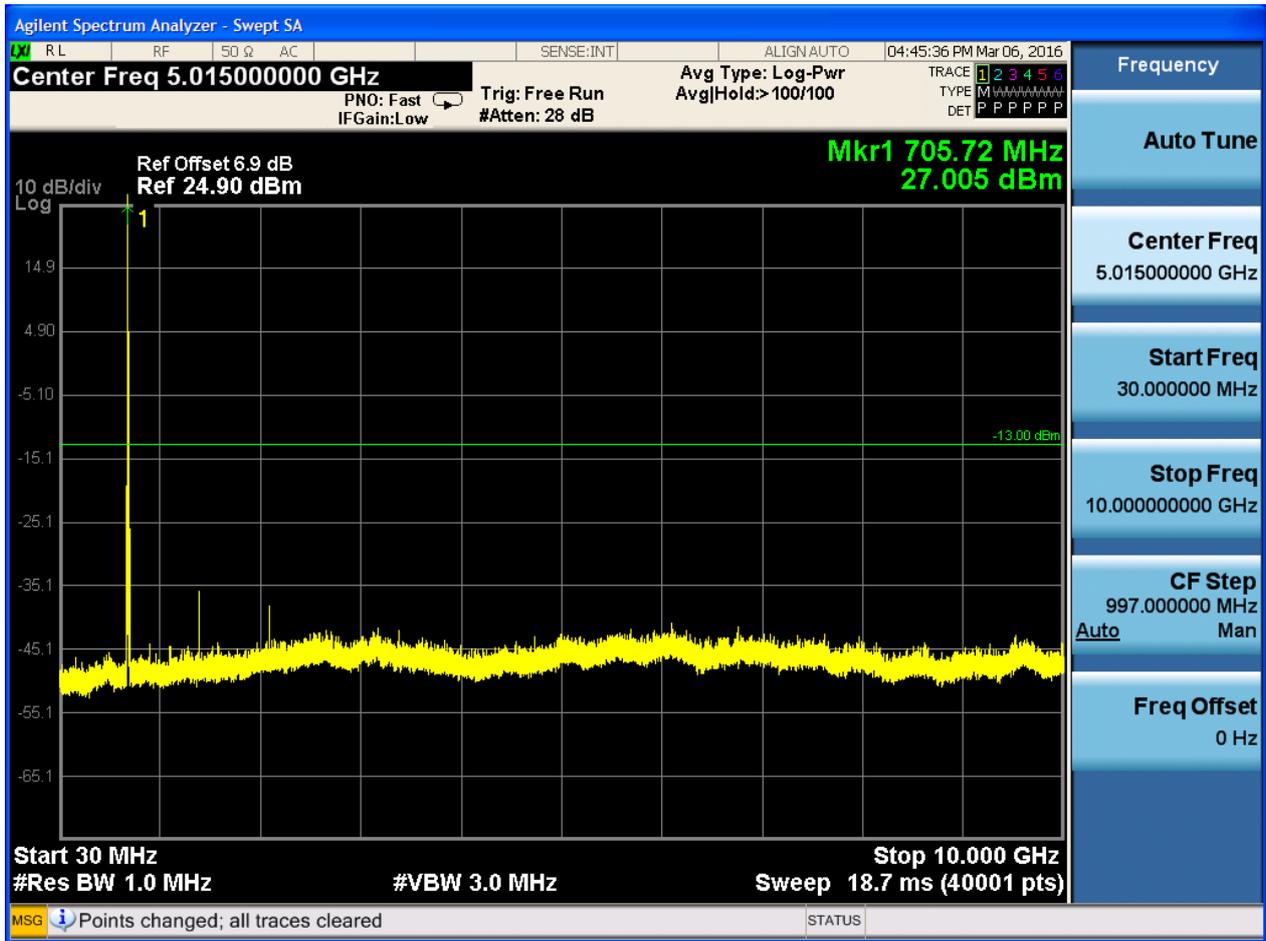


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



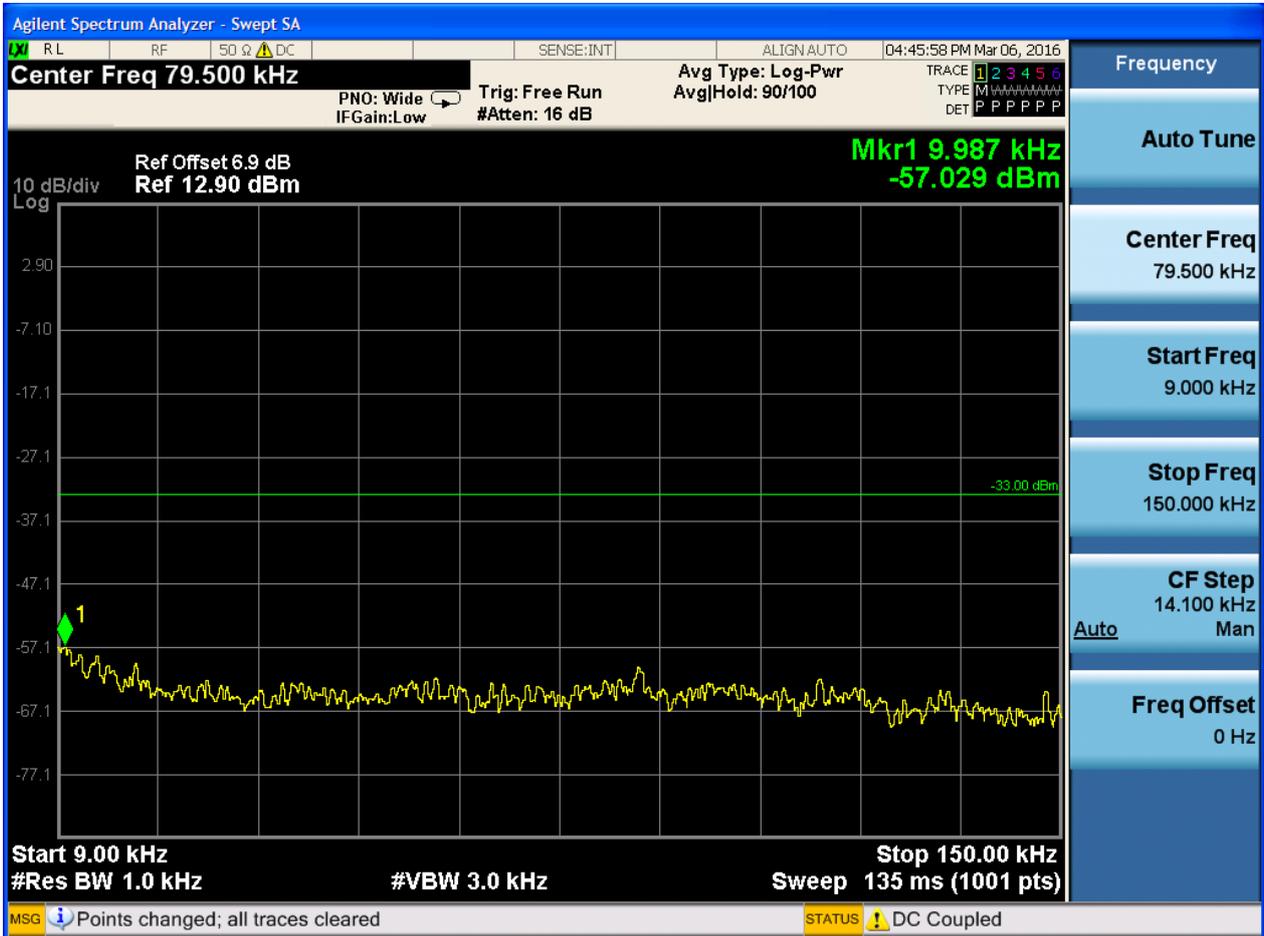




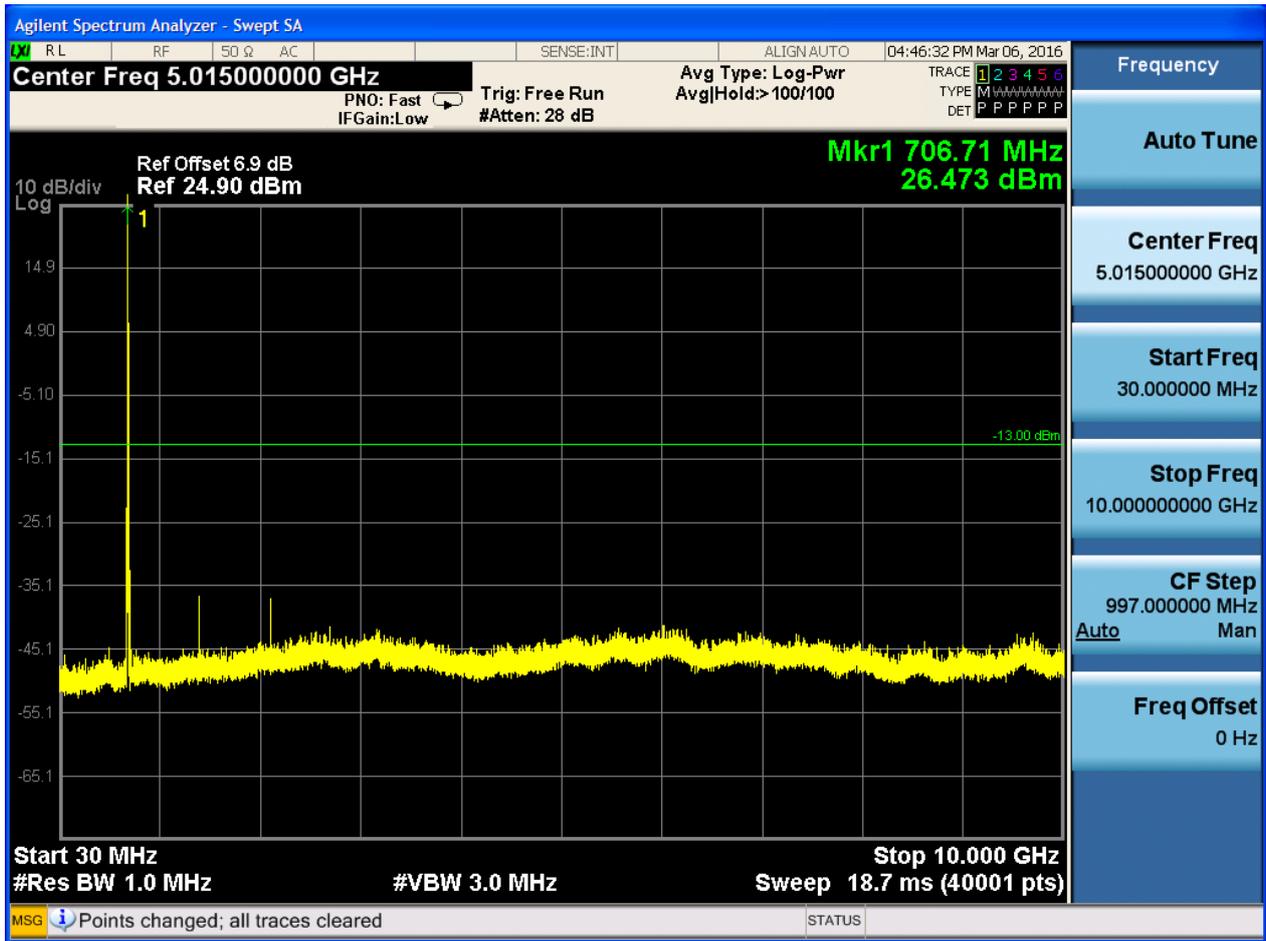


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







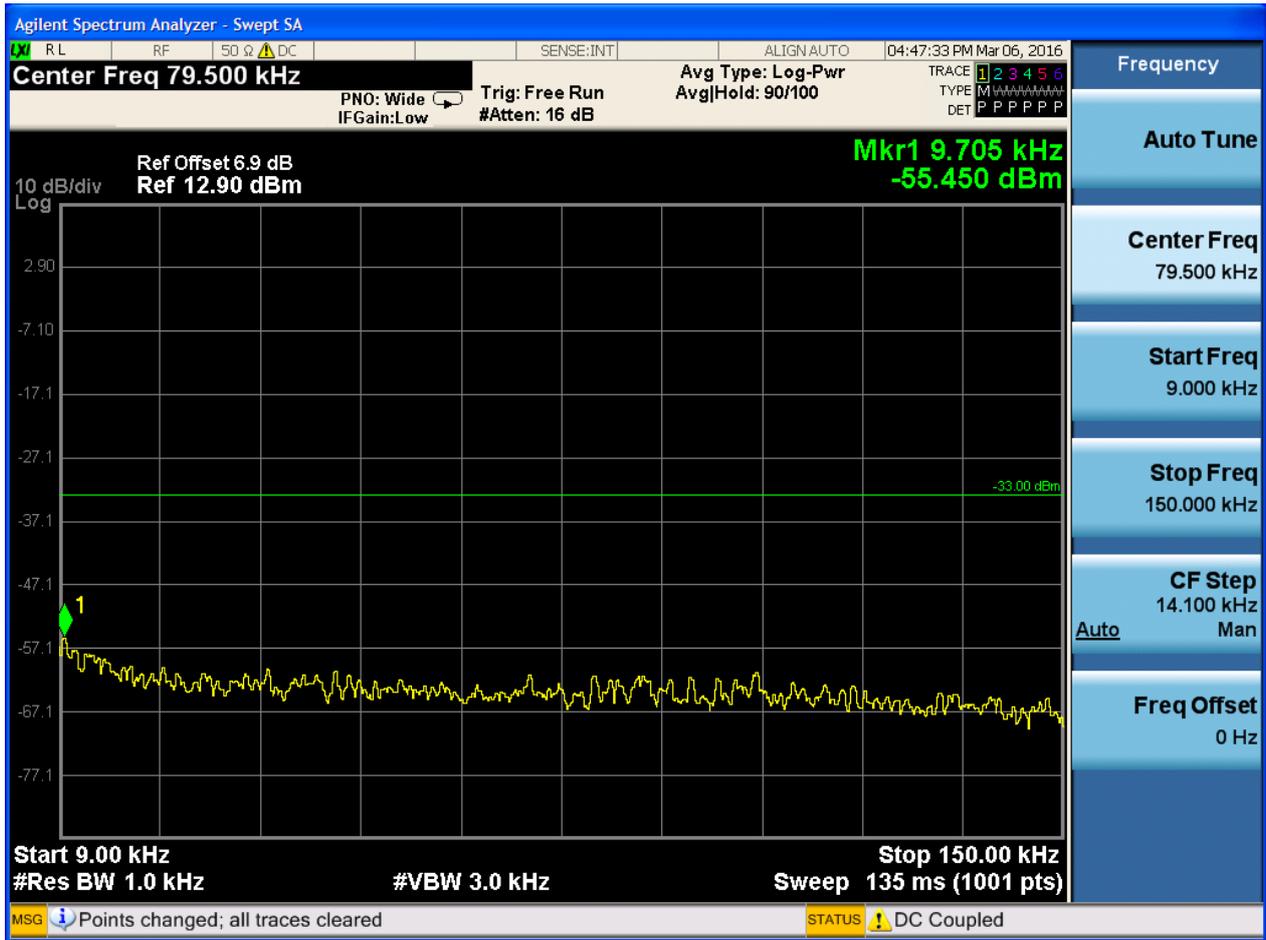


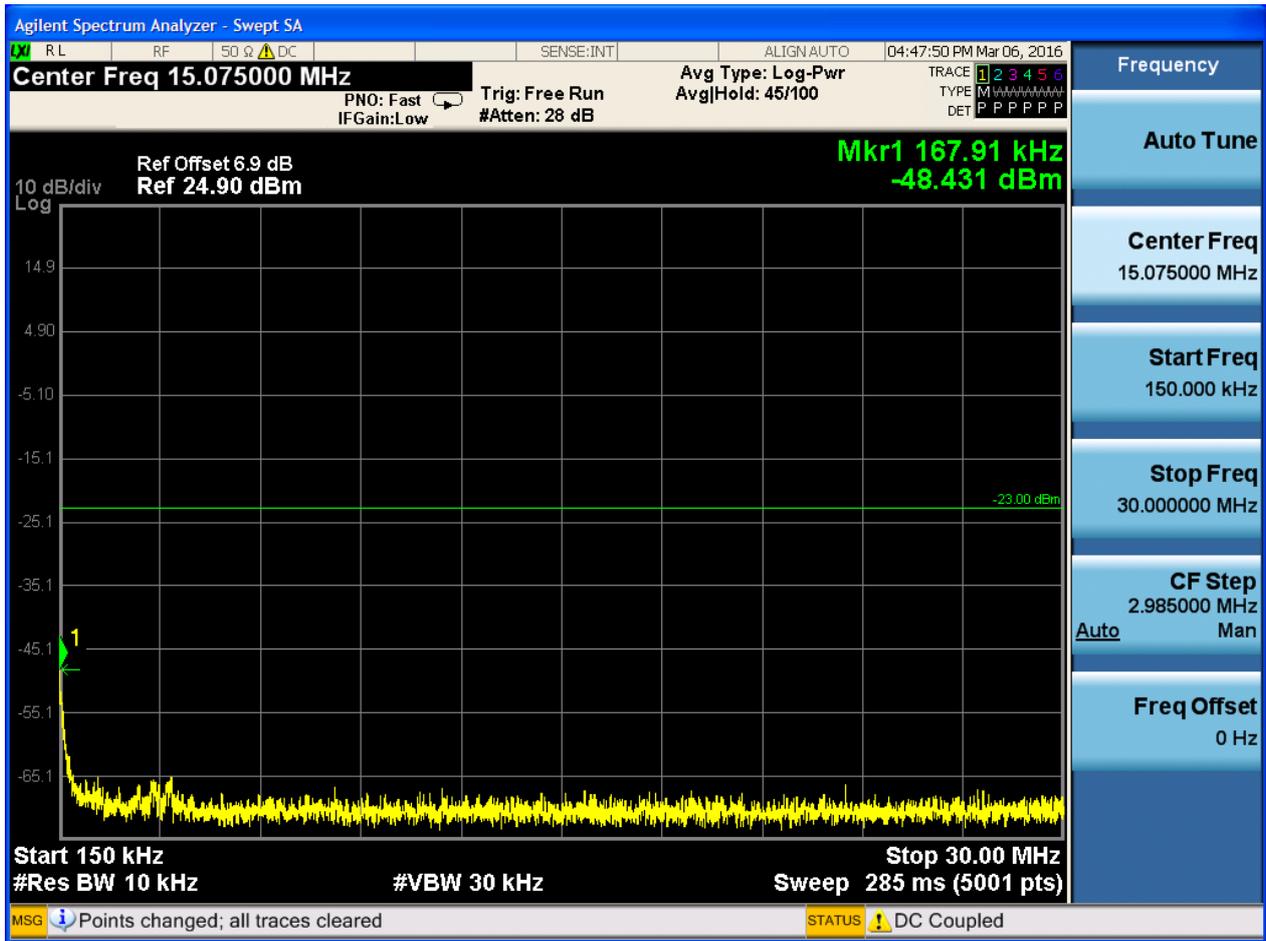
6.1.1.2 Test Mode = LTE/TM2

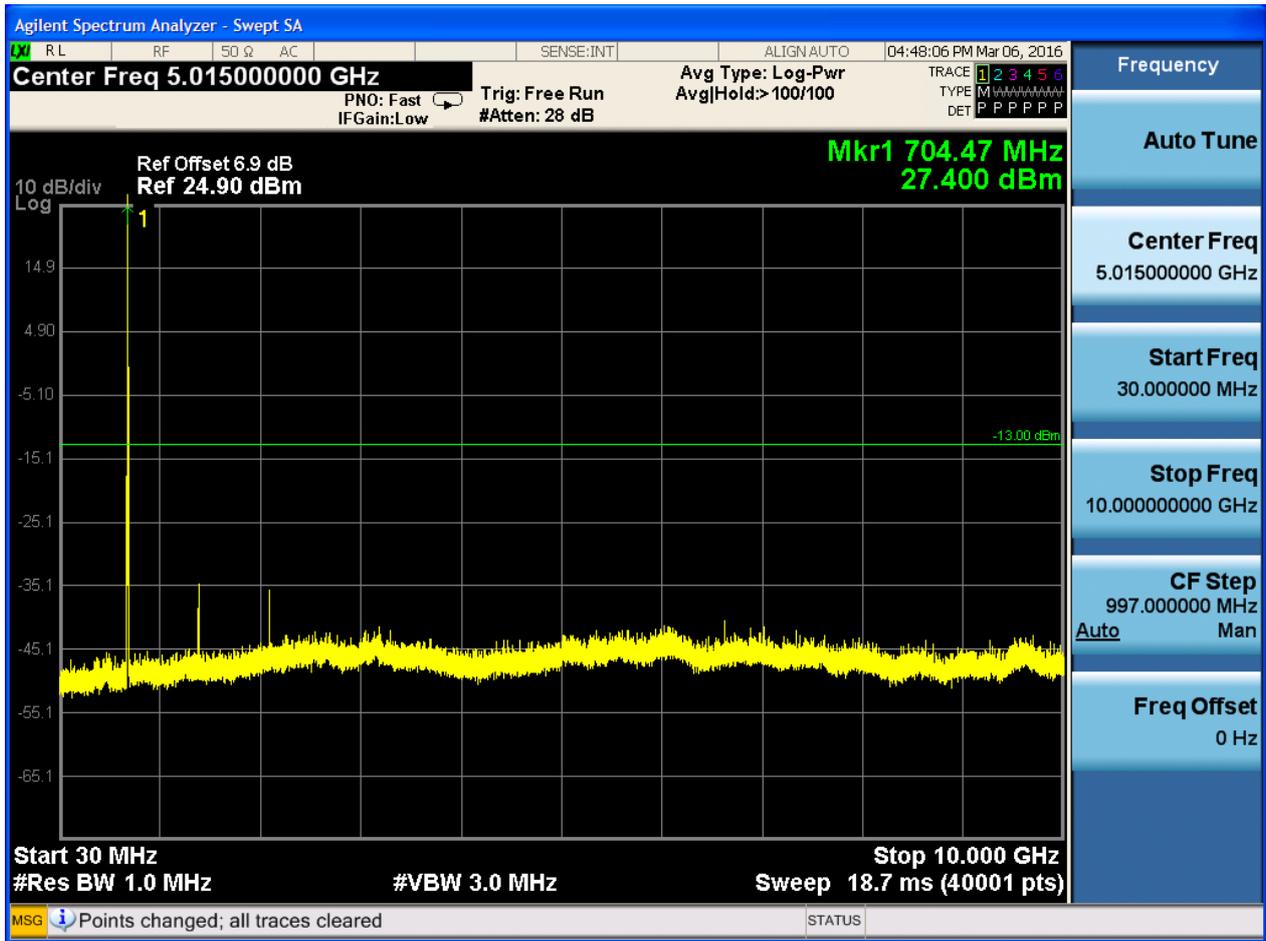
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



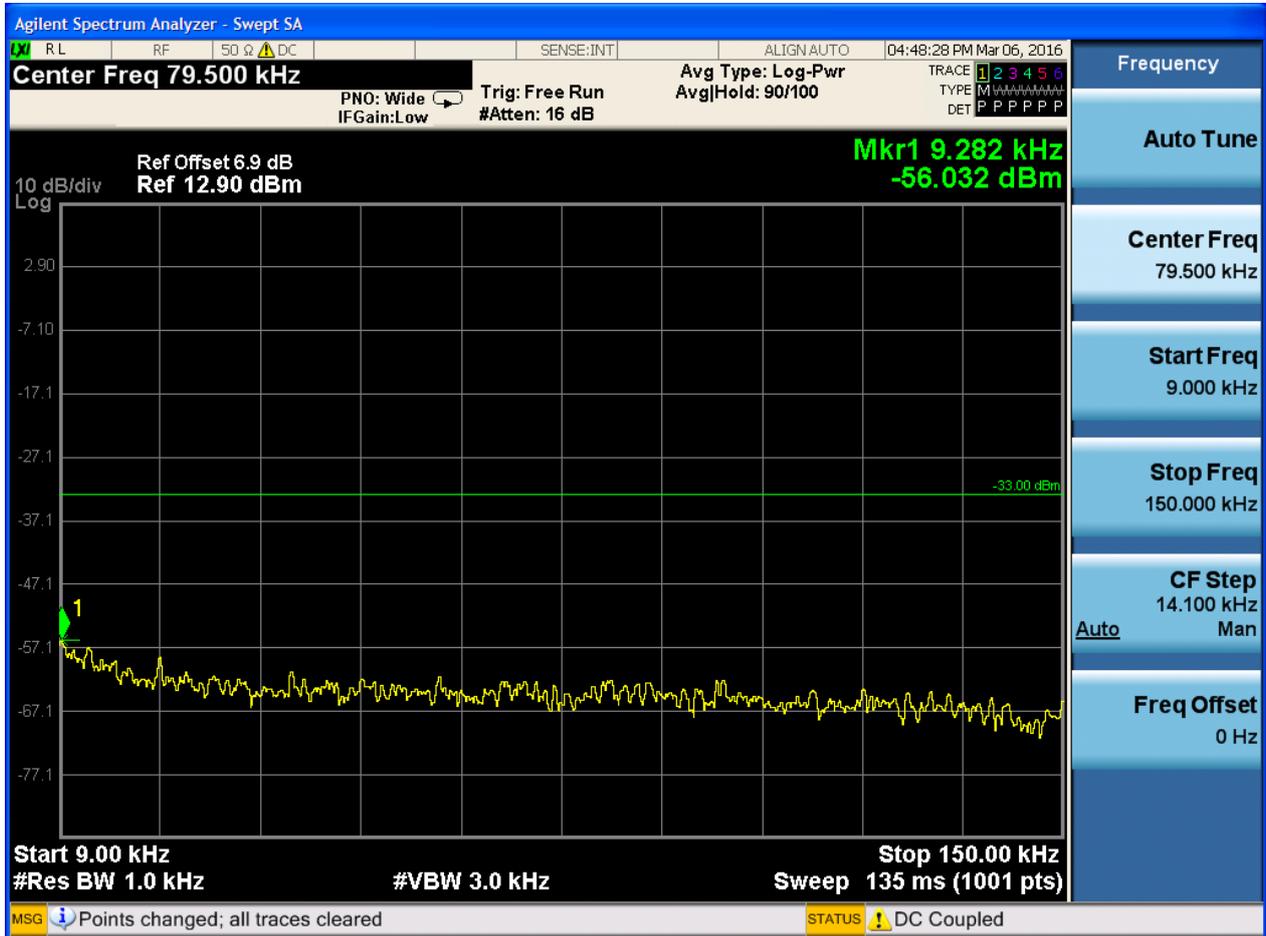


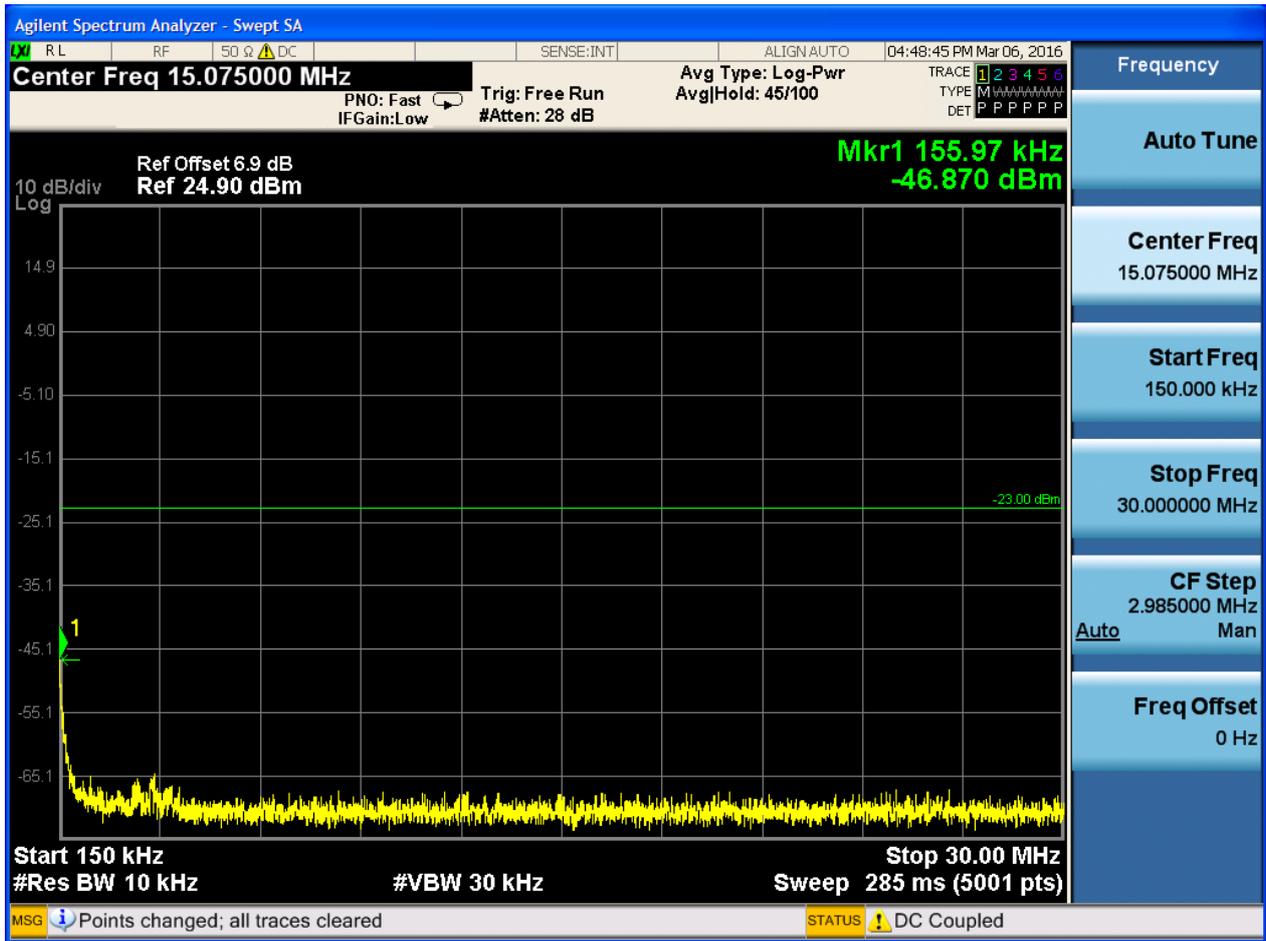




6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



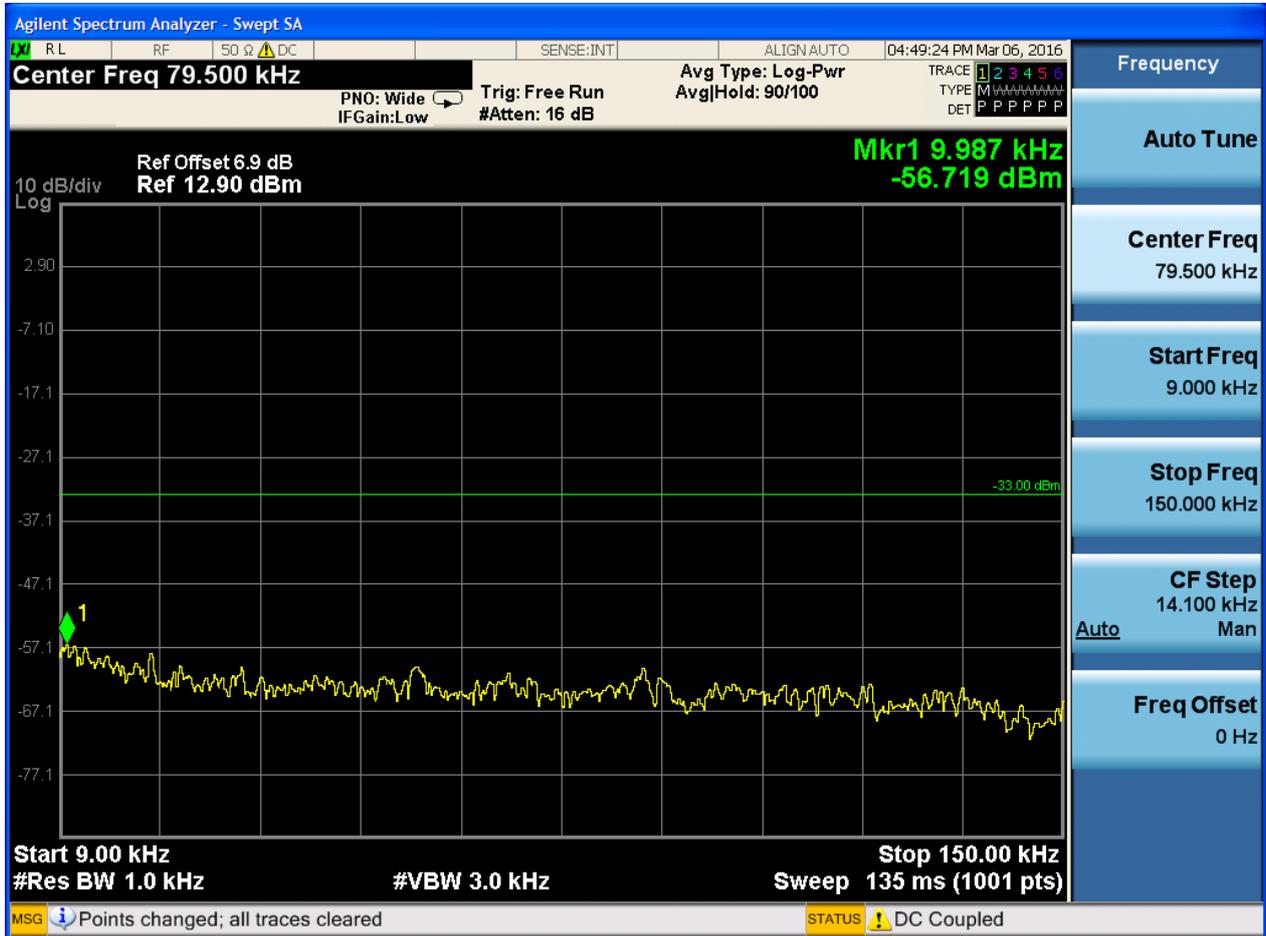


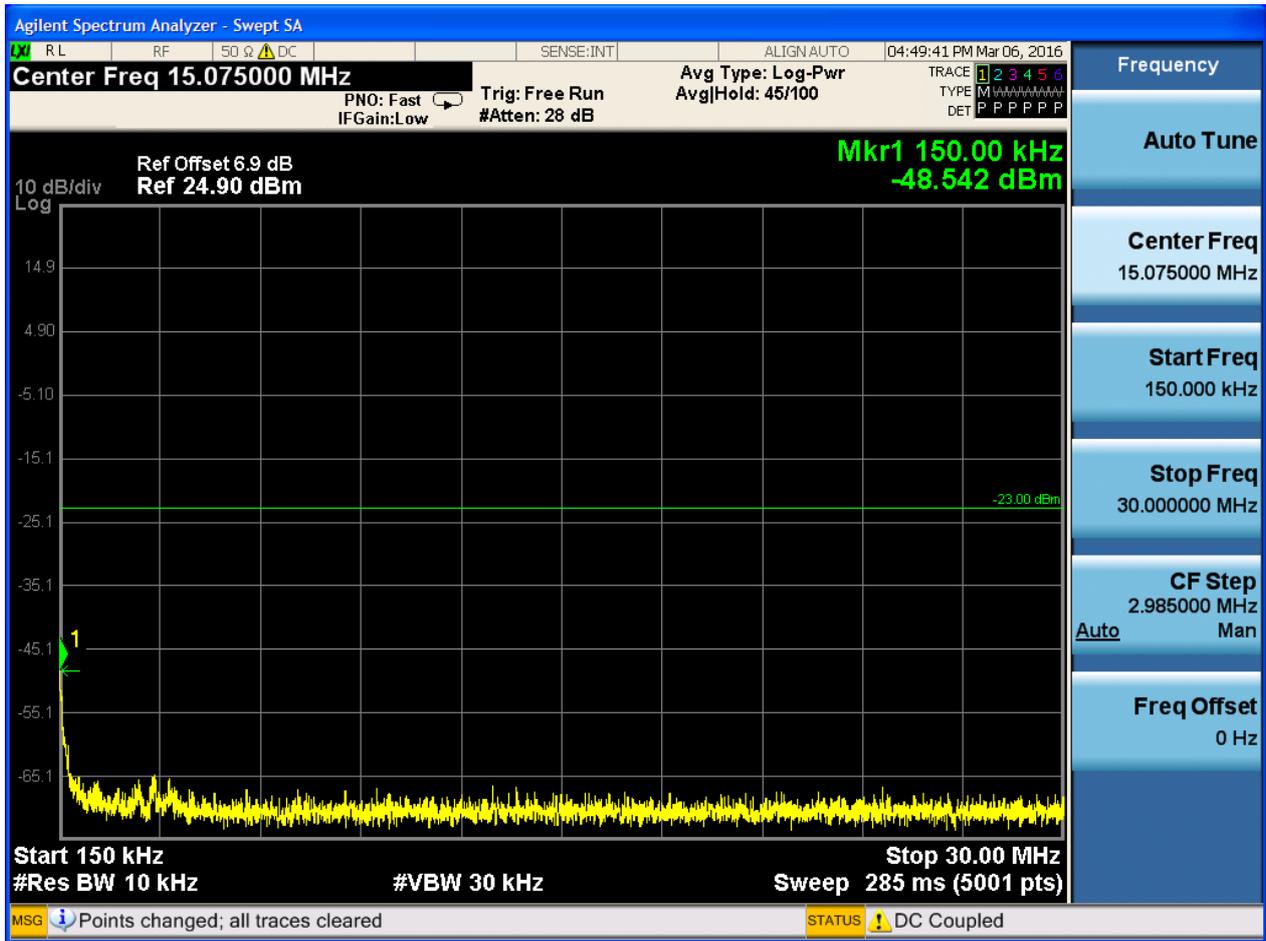


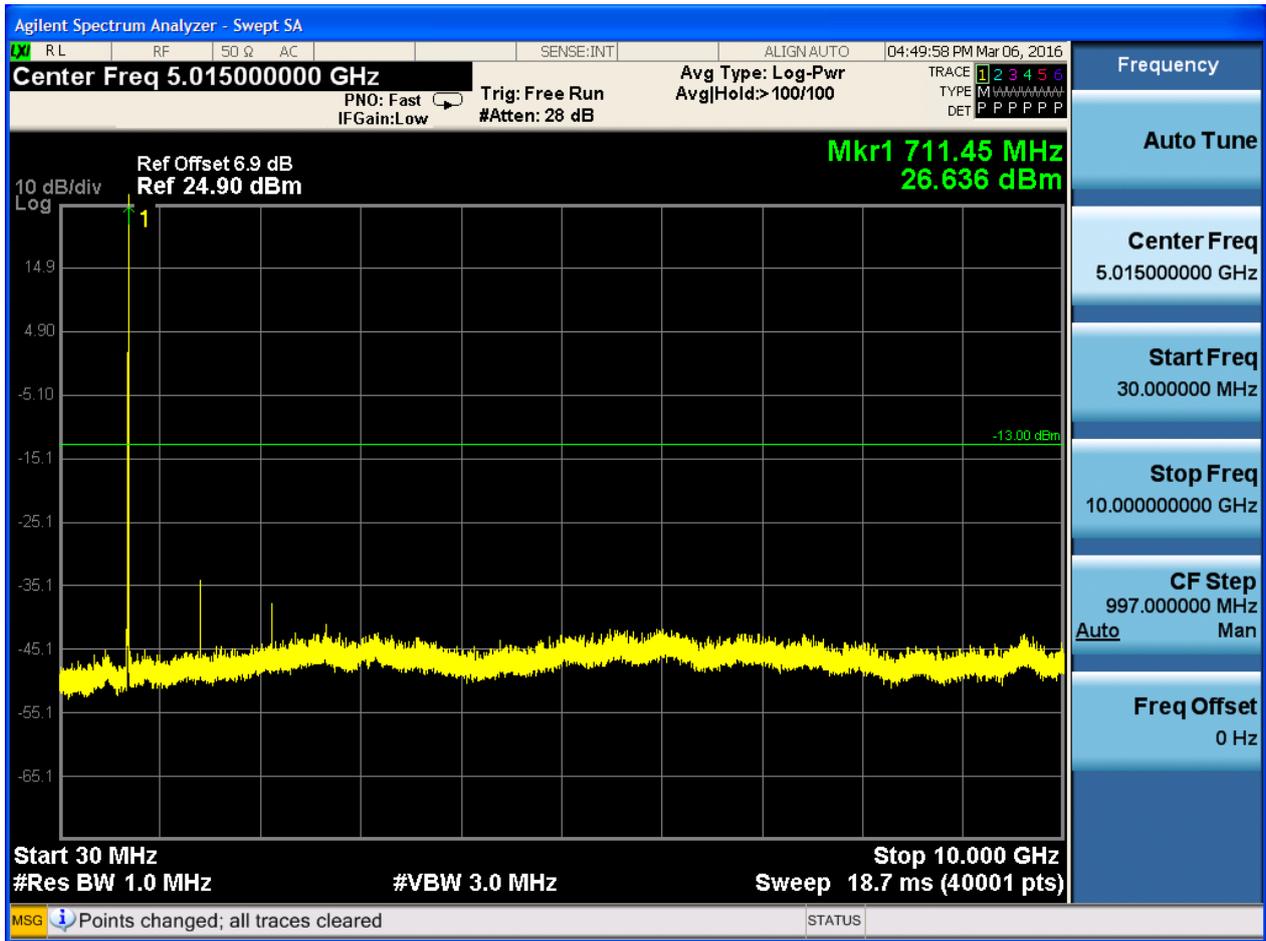


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





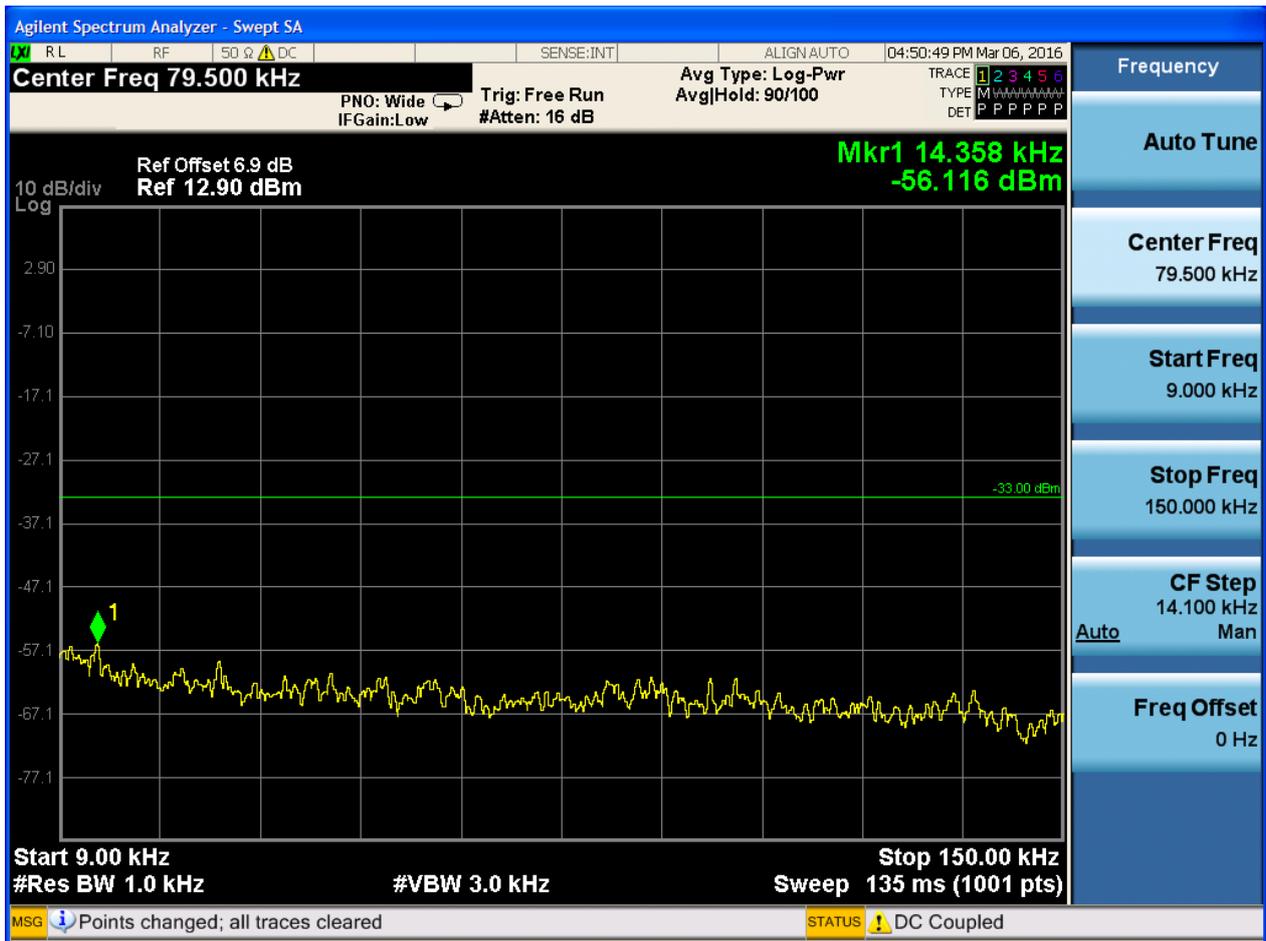




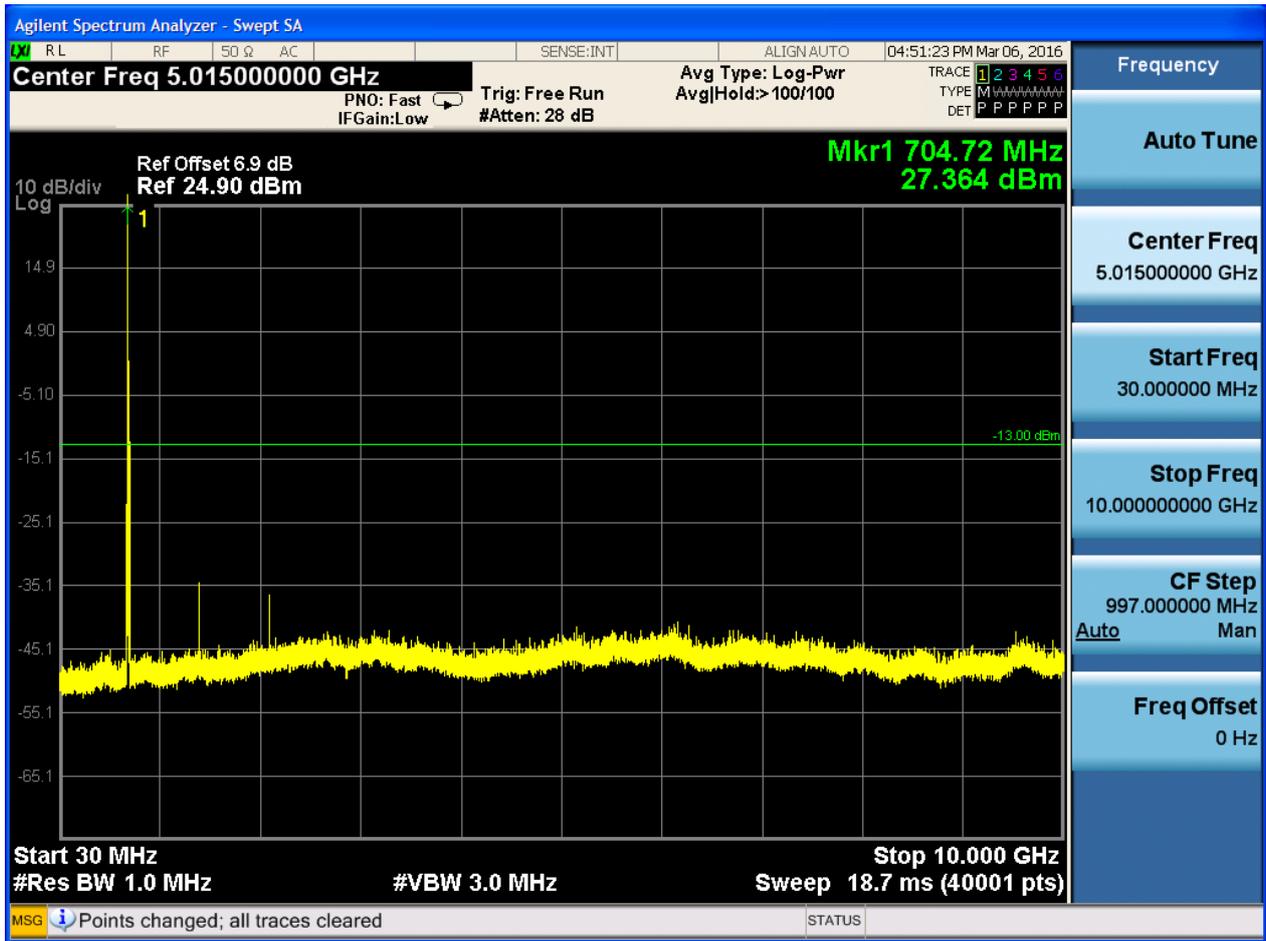
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



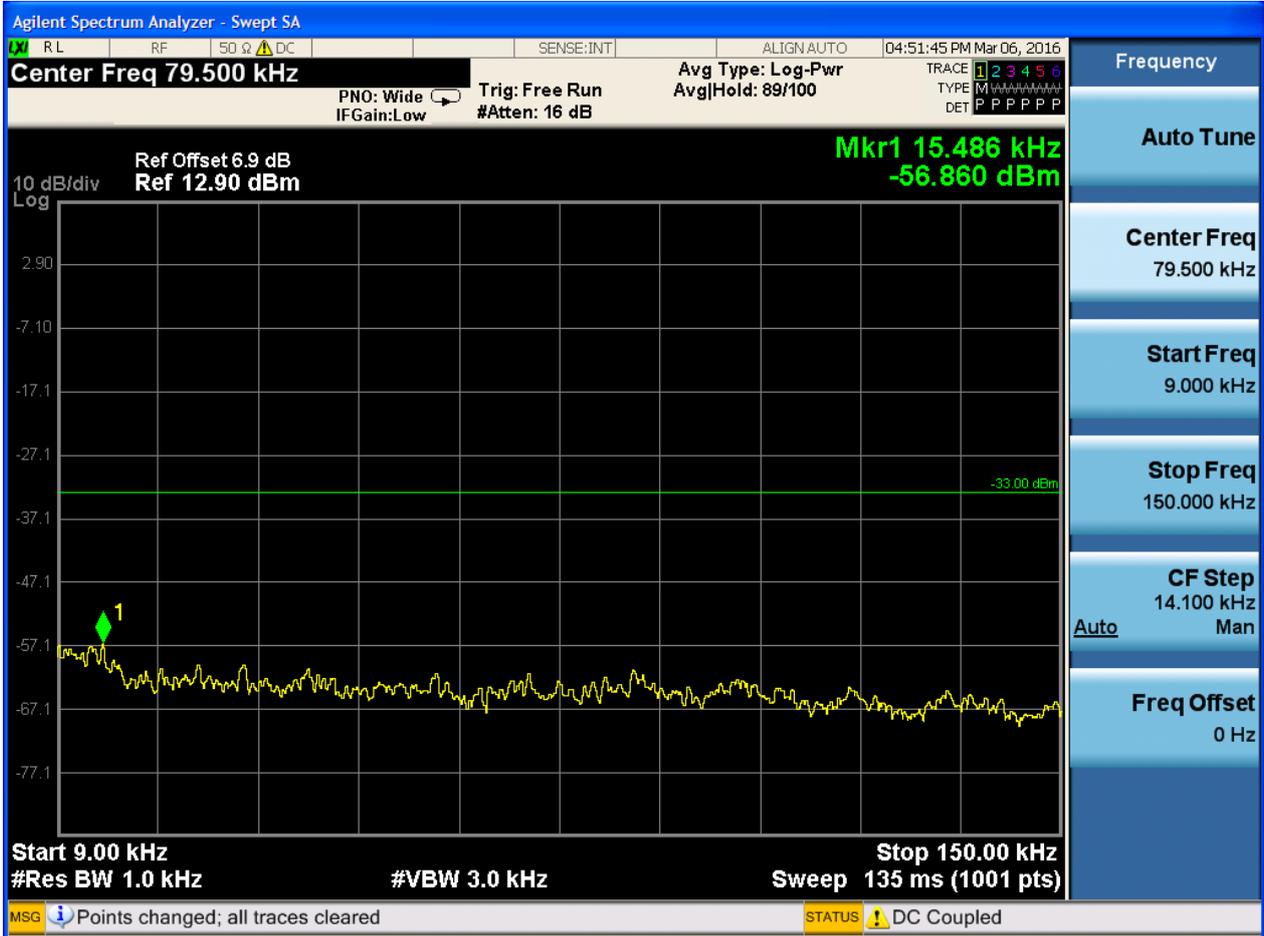


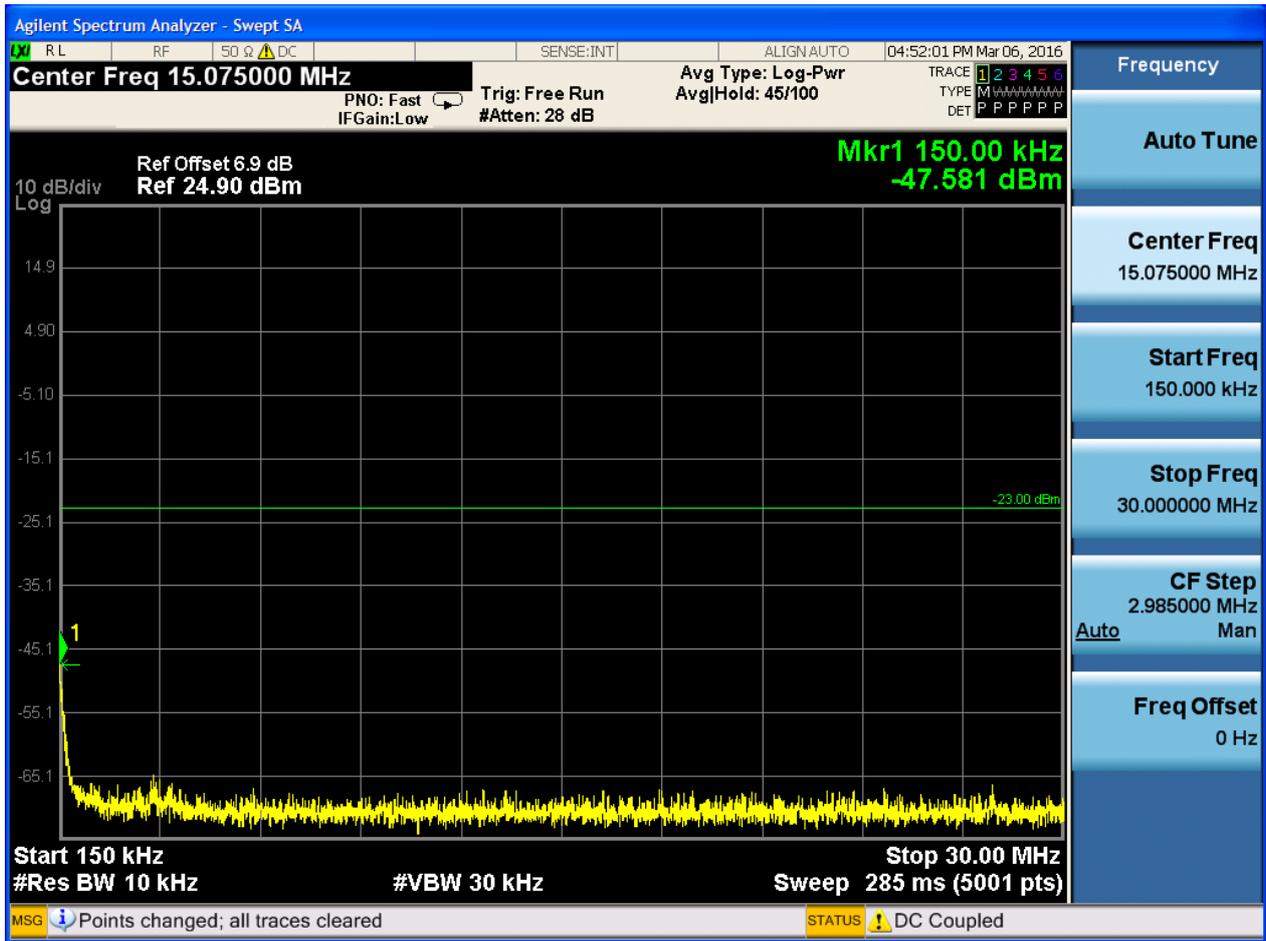


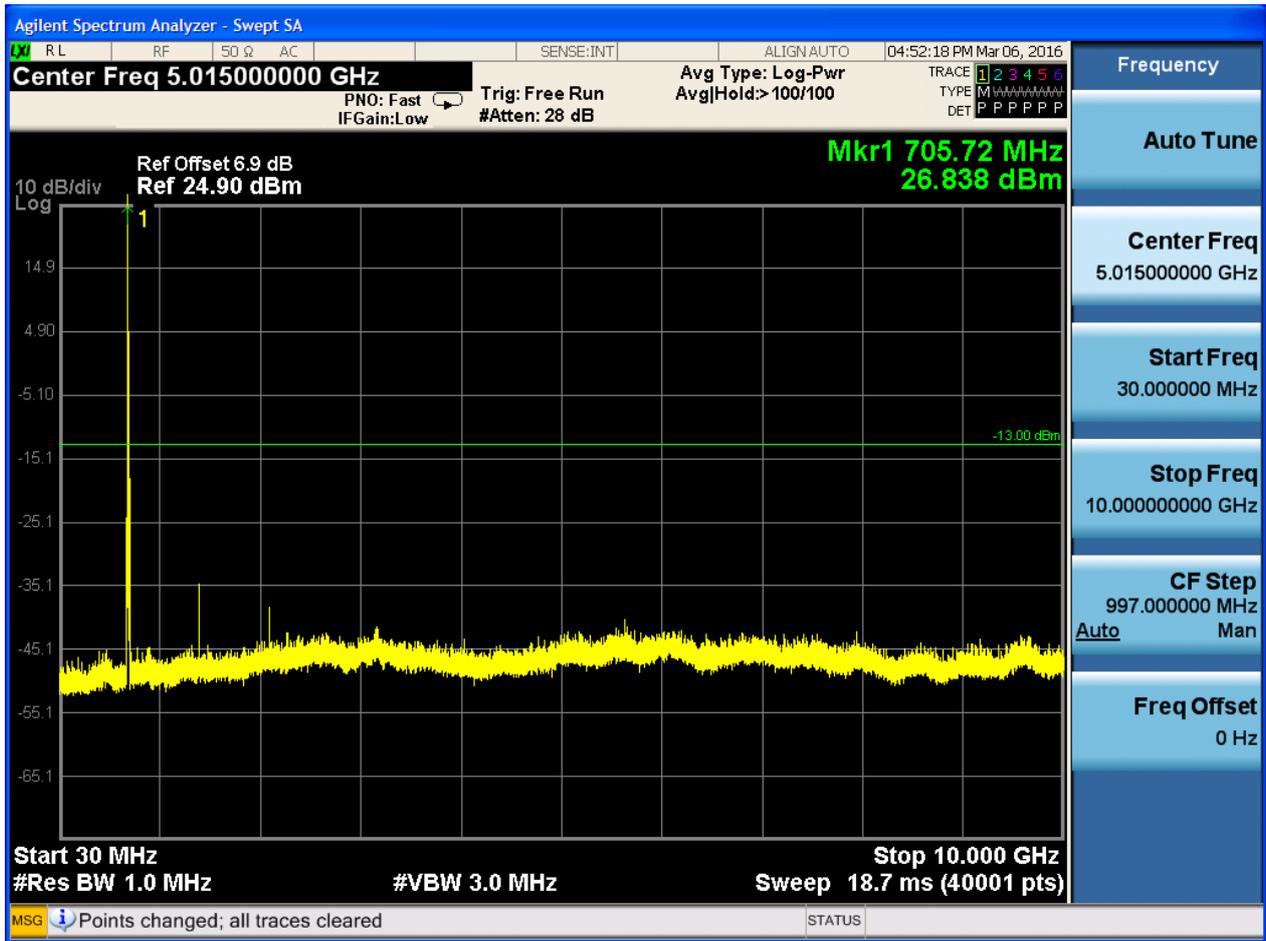


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

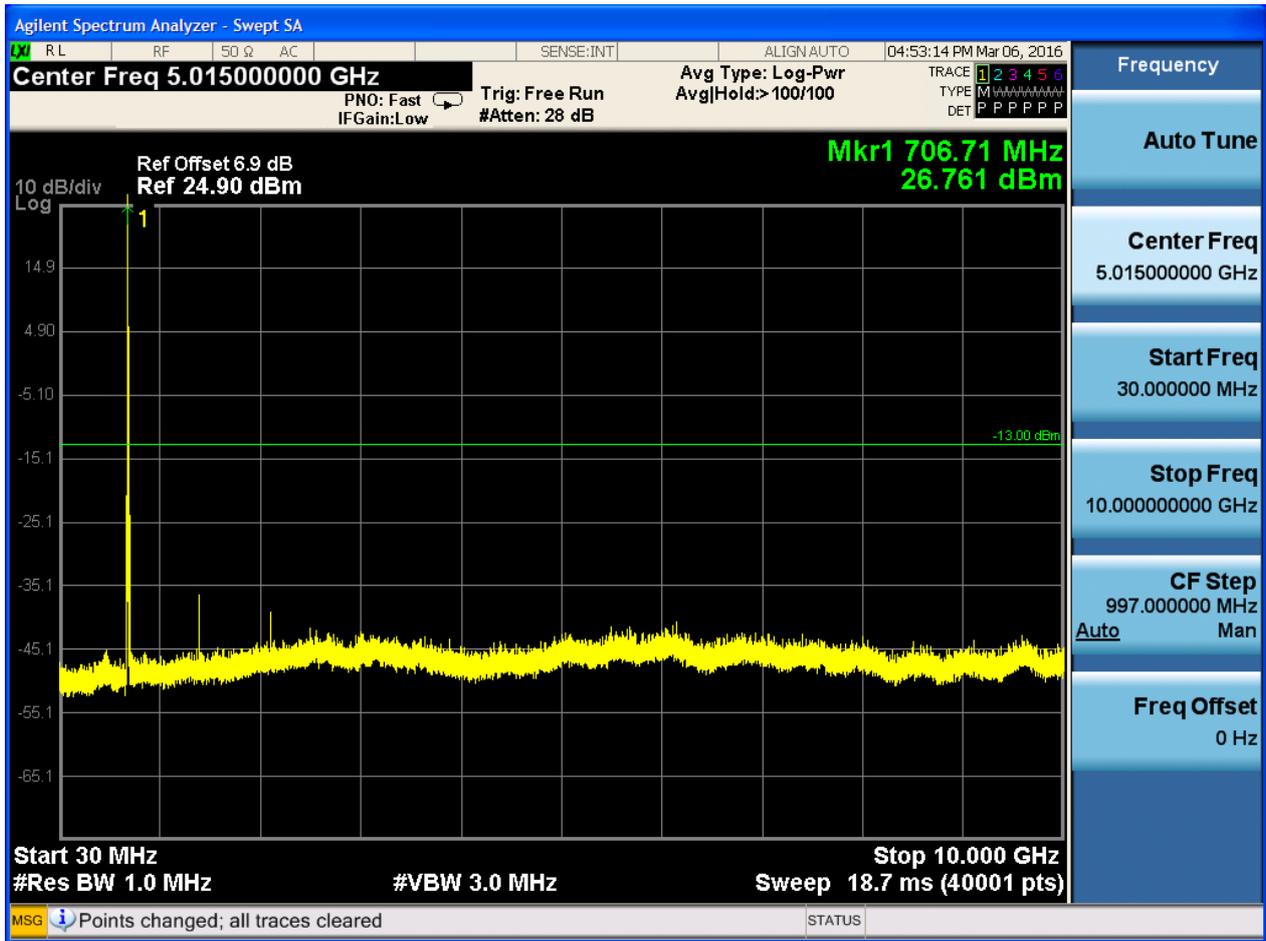












## 7Appendix\_G: Field Strength of Spurious Radiation

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

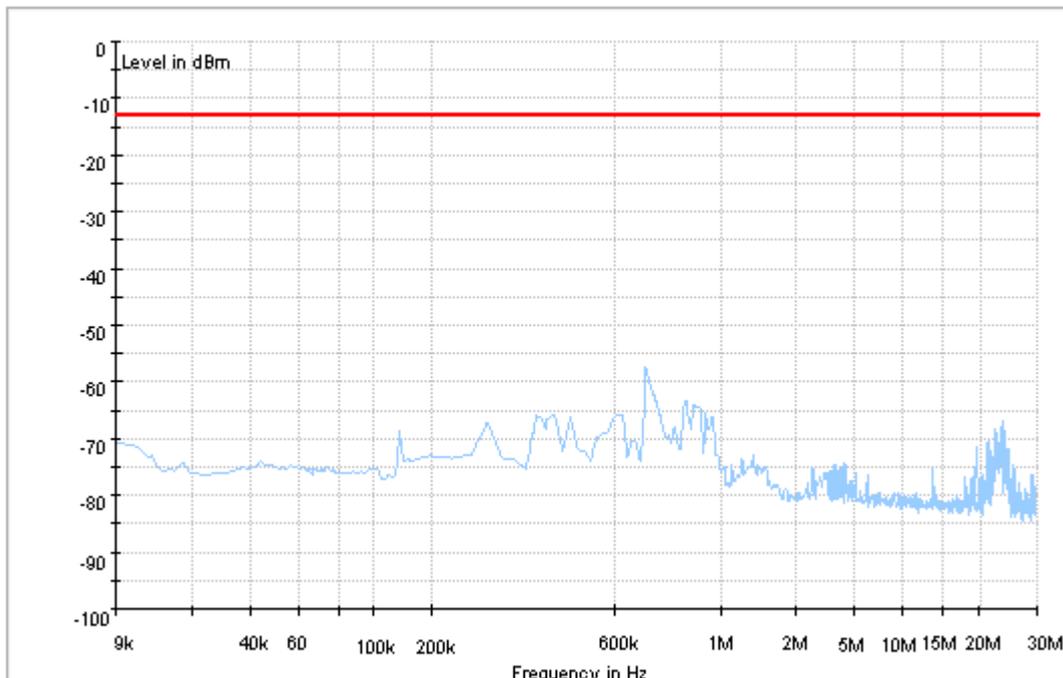
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

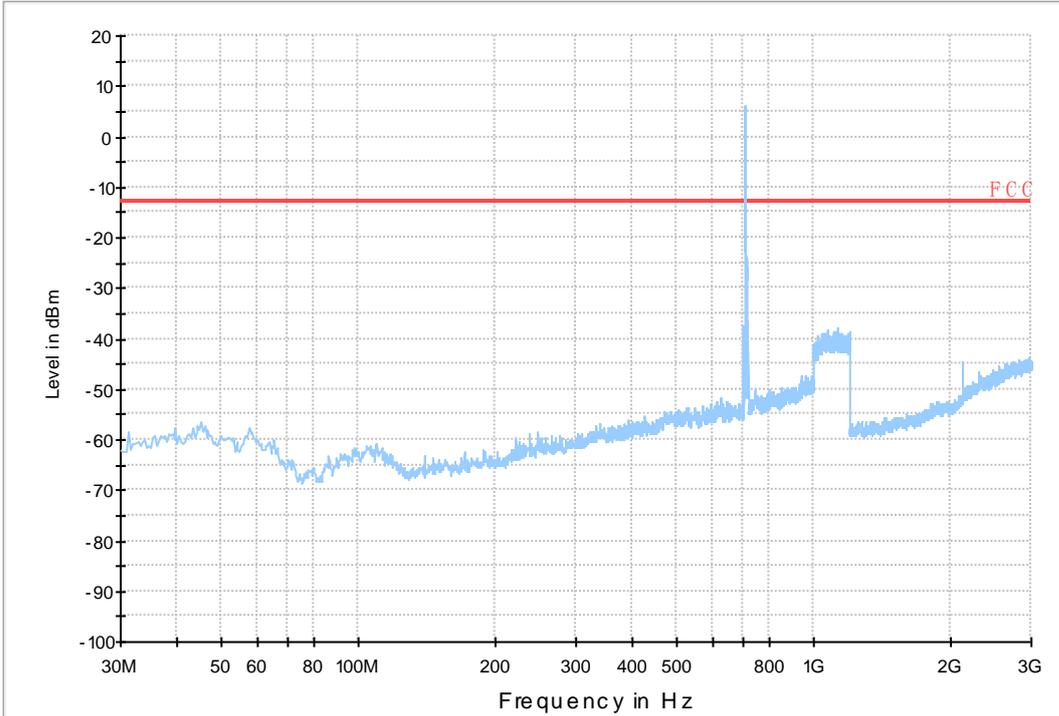
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND17

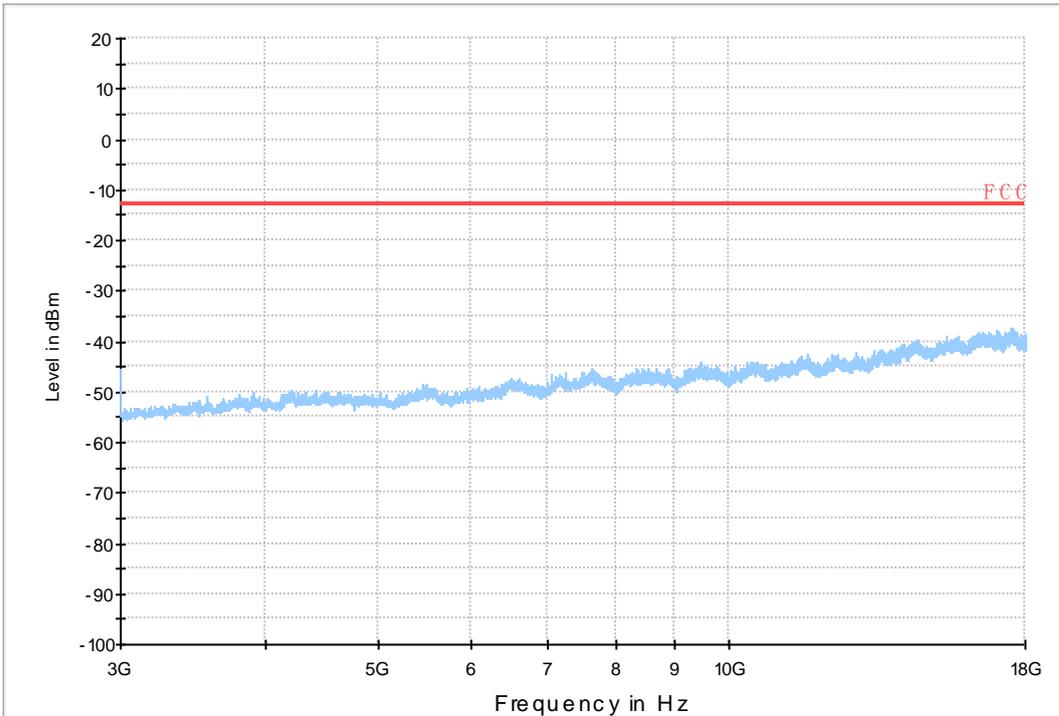
##### 7.1.1.1 Test Bandwidth = 5



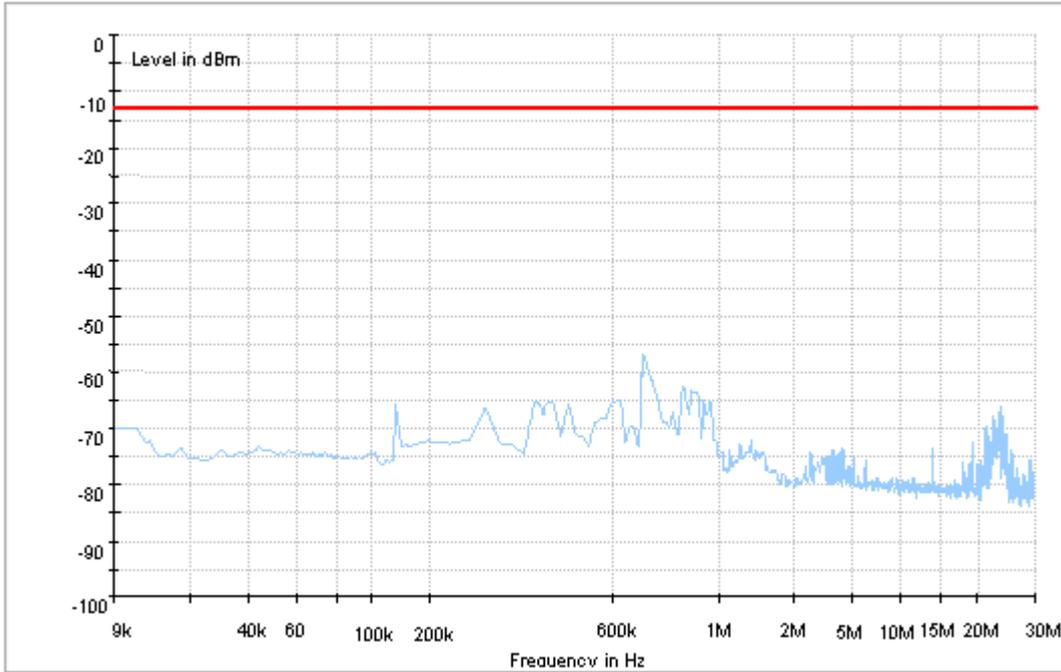
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



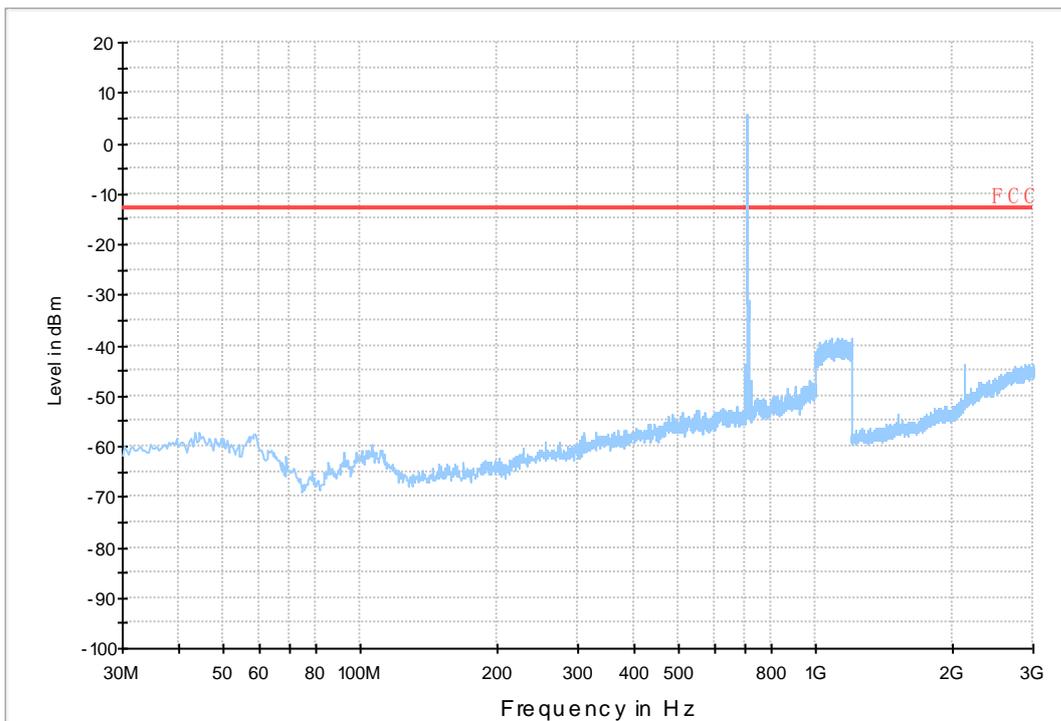
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



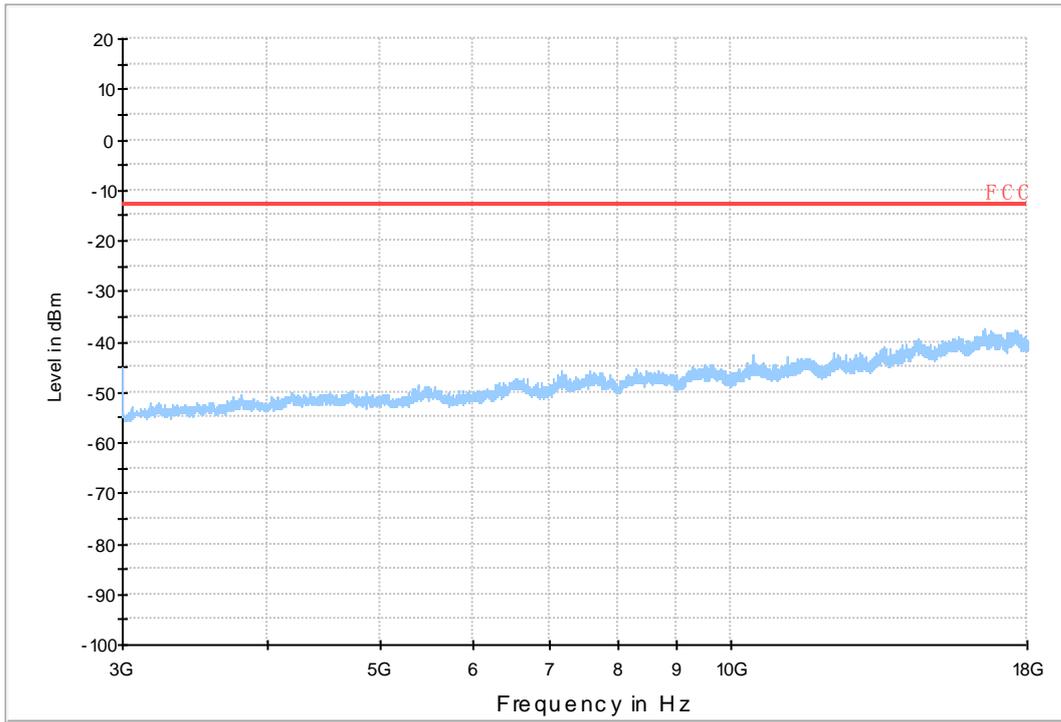
### 7.1.1.2 Test Bandwidth = 10



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
BAND17	LTE/TM1	5	LCH	TN	VL	-0.09	-0.00013	PASS
					VN	0.77	0.00109	PASS
					VH	0.19	0.00027	PASS
			MCH	TN	VL	0.13	0.00018	PASS
					VN	6.35	0.00894	PASS
					VH	-0.01	-0.00001	PASS
		HCH	TN	VL	-0.4	-0.00056	PASS	
				VN	-7.25	-0.01016	PASS	
				VH	2.09	0.00293	PASS	
		10	LCH	TN	VL	9.9	0.01396	PASS
					VN	2.29	0.00323	PASS
					VH	5.81	0.00819	PASS
	MCH		TN	VL	-1.33	-0.00187	PASS	
				VN	8.64	0.01217	PASS	
				VH	-5.49	-0.00773	PASS	
	HCH	TN	VL	0.36	0.00051	PASS		
			VN	-0.57	-0.0008	PASS		
			VH	-6.98	-0.00982	PASS		
	LTE/TM2	5	LCH	TN	VL	-7.01	-0.00992	PASS
					VN	-4.84	-0.00682	PASS
					VH	-0.96	-0.00136	PASS
			MCH	TN	VL	1.06	0.00149	PASS
					VN	-1.72	-0.00242	PASS
					VH	2.62	0.00369	PASS
HCH		TN	VL	-0.8	-0.00112	PASS		
			VN	-4.82	-0.00676	PASS		
			VH	7.2	0.01009	PASS		
10		LCH	TN	VL	-7.81	-0.01102	PASS	
				VN	0.06	0.00008	PASS	
				VH	-0.74	-0.00104	PASS	
	MCH	TN	VL	-4.84	-0.00682	PASS		
			VN	-7.87	-0.01108	PASS		
			VH	-3.71	-0.00523	PASS		
HCH	TN	VL	7.05	0.00992	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-1.37	-0.00193	PASS
					VH	-8.23	-0.01158	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1	5	LCH	VN	-30	-0.14	-0.0002	PASS
					-20	-0.64	-0.00091	PASS
					-10	2.59	0.00367	PASS
					0	0.76	0.00108	PASS
					10	-9.71	-0.01374	PASS
					20	-0.83	-0.00117	PASS
					30	-5.46	-0.00773	PASS
					40	-5.62	-0.00795	PASS
			50	1.54	0.00218	PASS		
			MCH	VN	-30	-9.17	-0.01292	PASS
					-20	-1.43	-0.00201	PASS
					-10	-1.92	-0.0027	PASS
					0	-1.79	-0.00252	PASS
					10	-3.83	-0.00539	PASS
					20	-0.8	-0.00113	PASS
					30	-5.19	-0.00731	PASS
					40	-4.76	-0.0067	PASS
			50	-0.9	-0.00127	PASS		
			HCH	VN	-30	-0.59	-0.00083	PASS
					-20	-1.46	-0.00205	PASS
					-10	1.3	0.00182	PASS
					0	1.92	0.00269	PASS
					10	-8.9	-0.01247	PASS
					20	0.36	0.0005	PASS
		30			1.42	0.00199	PASS	
		40			5.18	0.00726	PASS	
		50	-0.86	-0.00121	PASS			
		10	LCH	VN	-30	-8.21	-0.01158	PASS
-20	-6.98				-0.00984	PASS		
-10	-3.03				-0.00427	PASS		
0	-14.2				-0.02003	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					10	-3.45	-0.00487	PASS	
					20	-1.65	-0.00233	PASS	
					30	-1.13	-0.00159	PASS	
					40	-7.25	-0.01023	PASS	
					50	-5.76	-0.00812	PASS	
			MCH	VN	-30	-0.93	-0.00131	PASS	
					-20	7.27	0.01024	PASS	
					-10	-13.48	-0.01899	PASS	
					0	0.56	0.00079	PASS	
					10	-0.87	-0.00123	PASS	
					20	3.95	0.00556	PASS	
					30	-2.02	-0.00285	PASS	
					40	6.71	0.00945	PASS	
					50	0.89	0.00125	PASS	
			HCH	VN	-30	-8.55	-0.01203	PASS	
					-20	-2.72	-0.00383	PASS	
					-10	-0.8	-0.00113	PASS	
					0	-1.24	-0.00174	PASS	
					10	-2.55	-0.00359	PASS	
					20	-0.27	-0.00038	PASS	
					30	-2.92	-0.00411	PASS	
			40	-2.53	-0.00356	PASS			
			50	0.37	0.00052	PASS			
			LTE/TM2	5		LCH	VN	-30	-0.11
	-20	-0.1						-0.00014	PASS
	-10	-2.36						-0.00334	PASS
	0	1.89						0.00268	PASS
	10	0.5						0.00071	PASS
	20	-0.92						-0.0013	PASS
	30	3.98						0.00563	PASS
	40	0.47						0.00067	PASS
	50	3.09						0.00437	PASS
	MCH	VN				-30	-0.19	-0.00027	PASS
-20						-1.62	-0.00228	PASS	
-10						1.49	0.0021	PASS	
0						-2.73	-0.00385	PASS	
10						-2.33	-0.00328	PASS	
20						-1.99	-0.0028	PASS	
30						-1.34	-0.00189	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-4.49	-0.00632	PASS
					50	-1.17	-0.00165	PASS
			HCH	VN	-30	-8.73	-0.01224	PASS
					-20	-0.46	-0.00064	PASS
					-10	4.01	0.00562	PASS
					0	3.52	0.00493	PASS
					10	-3.96	-0.00555	PASS
					20	-2.85	-0.00399	PASS
					30	-2.29	-0.00321	PASS
					40	7.55	0.01058	PASS
		50	7.85	0.011	PASS			
		10	LCH	VN	-30	-1.62	-0.00228	PASS
					-20	6.21	0.00876	PASS
					-10	2.12	0.00299	PASS
					0	-3.26	-0.0046	PASS
					10	-3.62	-0.00511	PASS
					20	-1.97	-0.00278	PASS
					30	-7.32	-0.01032	PASS
					40	-0.49	-0.00069	PASS
			50	-0.46	-0.00065	PASS		
			MCH	VN	-30	-4.72	-0.00665	PASS
					-20	-1.87	-0.00263	PASS
					-10	-0.96	-0.00135	PASS
					0	-8.3	-0.01169	PASS
					10	-5.55	-0.00782	PASS
					20	-6.94	-0.00977	PASS
					30	-2.15	-0.00303	PASS
			40	2.3	0.00324	PASS		
			50	-8.93	-0.01258	PASS		
		HCH	VN	-30	5.39	0.00758	PASS	
				-20	0.33	0.00046	PASS	
				-10	5.91	0.00831	PASS	
				0	3	0.00422	PASS	
				10	0.24	0.00034	PASS	
				20	-2.59	-0.00364	PASS	
				30	-6.95	-0.00977	PASS	
				40	8.81	0.01239	PASS	
		50	-11.14	-0.01567	PASS			



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END