



# 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	21.54	17.72	34.7	PASS
				RB1#13	21.88	18.06	34.7	PASS
				RB1#24	21.43	17.61	34.7	PASS
				RB12#0	21.29	17.47	34.7	PASS
				RB12#6	21.38	17.56	34.7	PASS
				RB12#13	21.2	17.38	34.7	PASS
				RB25#0	21.23	17.41	34.7	PASS
			MCH	RB1#0	21.6	17.78	34.7	PASS
				RB1#13	21.9	18.08	34.7	PASS
				RB1#24	21.55	17.73	34.7	PASS
				RB12#0	21.25	17.43	34.7	PASS
				RB12#6	21.38	17.56	34.7	PASS
				RB12#13	21.17	17.35	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.23	17.41	34.7	PASS
			HCH	RB1#0	21.61	17.79	34.7	PASS
				RB1#13	22.01	18.19	34.7	PASS
				RB1#24	20.79	16.97	34.7	PASS
				RB12#0	21.37	17.55	34.7	PASS
				RB12#6	21.49	17.67	34.7	PASS
				RB12#13	21.08	17.26	34.7	PASS
				RB25#0	21.2	17.38	34.7	PASS
		10		LCH	RB1#0	21.34	17.52	34.7
			RB1#25		21.9	18.08	34.7	PASS
			RB1#49		21.2	17.38	34.7	PASS
			RB25#0		21.14	17.32	34.7	PASS
			RB25#13		21.24	17.42	34.7	PASS
			RB25#25		21	17.18	34.7	PASS
			RB50#0		21.06	17.24	34.7	PASS
				MCH	RB1#0	21.31	17.49	34.7
			RB1#25		21.9	18.08	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.06	17.24	34.7	PASS
				RB25#0	21.17	17.35	34.7	PASS
				RB25#13	21.29	17.47	34.7	PASS
				RB25#25	21.06	17.24	34.7	PASS
				RB50#0	21.13	17.31	34.7	PASS
			HCH	RB1#0	21.43	17.61	34.7	PASS
				RB1#25	22	18.18	34.7	PASS
				RB1#49	20.66	16.84	34.7	PASS
				RB25#0	21.16	17.34	34.7	PASS
				RB25#13	21.32	17.5	34.7	PASS
				RB25#25	20.95	17.13	34.7	PASS
				RB50#0	21.12	17.3	34.7	PASS
			LCH	RB1#0	21.11	17.29	34.7	PASS
				RB1#13	21.46	17.64	34.7	PASS
				RB1#24	20.98	17.16	34.7	PASS
RB12#0	21.33	17.51		34.7	PASS			
RB12#6	21.35	17.53		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	17.51	34.7	PASS
				RB25#0	21.36	17.54	34.7	PASS
			MCH	RB1#0	21.26	17.44	34.7	PASS
				RB1#13	21.56	17.74	34.7	PASS
				RB1#24	21.23	17.41	34.7	PASS
				RB12#0	21.19	17.37	34.7	PASS
				RB12#6	21.39	17.57	34.7	PASS
				RB12#13	21.39	17.57	34.7	PASS
				RB25#0	21.47	17.65	34.7	PASS
				HCH	RB1#0	21.27	17.45	34.7
			RB1#13		21.57	17.75	34.7	PASS
			RB1#24		20.47	16.65	34.7	PASS
			RB12#0		21.28	17.46	34.7	PASS
			RB12#6		21.46	17.64	34.7	PASS
			RB12#13		21.3	17.48	34.7	PASS
			RB25#0		21.31	17.49	34.7	PASS
		10	LCH	RB1#0	20.83	17.01	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.42	17.6	34.7	PASS
				RB1#49	20.72	16.9	34.7	PASS
				RB25#0	21.3	17.48	34.7	PASS
				RB25#13	21.48	17.66	34.7	PASS
				RB25#25	21.26	17.44	34.7	PASS
				RB50#0	21.29	17.47	34.7	PASS
			MCH	RB1#0	20.78	16.96	34.7	PASS
				RB1#25	21.44	17.62	34.7	PASS
				RB1#49	20.53	16.71	34.7	PASS
				RB25#0	21.31	17.49	34.7	PASS
				RB25#13	21.48	17.66	34.7	PASS
				RB25#25	21.17	17.35	34.7	PASS
				RB50#0	21.33	17.51	34.7	PASS
			HCH	RB1#0	20.94	17.12	34.7	PASS
				RB1#25	21.52	17.7	34.7	PASS
				RB1#49	20.2	16.38	34.7	PASS
				RB25#0	21.33	17.51	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.52	17.7	34.7	PASS
				RB25#25	21.09	17.27	34.7	PASS
				RB50#0	21.31	17.49	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 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	4.11	13	PASS
				RB1#13	3.96	13	PASS
				RB1#24	4.31	13	PASS
				RB12#0	4.96	13	PASS
				RB12#6	4.8	13	PASS
				RB12#13	5.11	13	PASS
				RB25#0	5.33	13	PASS
			MCH	RB1#0	4.39	13	PASS
				RB1#13	4.28	13	PASS
				RB1#24	4.37	13	PASS
				RB12#0	5.04	13	PASS
				RB12#6	4.8	13	PASS
				RB12#13	5.08	13	PASS
				RB25#0	5.62	13	PASS
		HCH	RB1#0	4.22	13	PASS	
			RB1#13	3.79	13	PASS	
			RB1#24	4.34	13	PASS	
			RB12#0	4.94	13	PASS	
			RB12#6	4.63	13	PASS	
			RB12#13	4.83	13	PASS	
			RB25#0	5.3	13	PASS	
		10	LCH	RB1#0	4.16	13	PASS
				RB1#25	3.92	13	PASS
				RB1#49	4.04	13	PASS
				RB25#0	5.27	13	PASS
				RB25#13	5.03	13	PASS
				RB25#25	5.29	13	PASS
				RB50#0	5.52	13	PASS
MCH	RB1#0		4.21	13	PASS		
	RB1#25		4.03	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict			
				RB1#49	4.22	13	PASS			
				RB25#0	5.27	13	PASS			
				RB25#13	5.04	13	PASS			
				RB25#25	5.24	13	PASS			
				RB50#0	5.5	13	PASS			
			HCH	RB1#0	4.31	13	PASS			
				RB1#25	4.07	13	PASS			
				RB1#49	4.45	13	PASS			
				RB25#0	5.18	13	PASS			
				RB25#13	4.87	13	PASS			
				RB25#25	5.17	13	PASS			
					5	LCH	RB1#0	5.08	13	PASS
							RB1#13	4.91	13	PASS
							RB1#24	5.24	13	PASS
							RB12#0	5.93	13	PASS
	RB12#6	5.81					13	PASS		
	RB12#13	6.06					13	PASS		
	RB25#0	6.37					13	PASS		
	MCH	RB1#0				4.88	13	PASS		
		RB1#13				4.71	13	PASS		
		RB1#24				4.91	13	PASS		
		RB12#0				6	13	PASS		
		RB12#6				5.81	13	PASS		
		RB12#13				6.12	13	PASS		
	HCH	RB25#0				6.26	13	PASS		
		RB1#0				5.02	13	PASS		
		RB1#13	4.65	13	PASS					
		RB1#24	5.13	13	PASS					
		RB12#0	5.96	13	PASS					
		RB12#6	5.69	13	PASS					
RB12#13		5.84	13	PASS						
		10	LCH	RB25#0	6.06	13	PASS			
				RB1#0	5.04	13	PASS			
				RB1#25	4.92	13	PASS			
				RB1#49	4.71	13	PASS			
				RB25#0	6.13	13	PASS			
				RB25#13	5.95	13	PASS			
RB25#25	6.22	13	PASS							



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.47	13	PASS
			MCH	RB1#0	4.86	13	PASS
				RB1#25	4.83	13	PASS
				RB1#49	5	13	PASS
				RB25#0	6.17	13	PASS
				RB25#13	5.98	13	PASS
				RB25#25	6.1	13	PASS
				RB50#0	6.37	13	PASS
			HCH	RB1#0	4.73	13	PASS
				RB1#25	4.58	13	PASS
				RB1#49	4.91	13	PASS
				RB25#0	6.2	13	PASS
				RB25#13	5.93	13	PASS
				RB25#25	6.12	13	PASS
				RB50#0	6.33	13	PASS

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

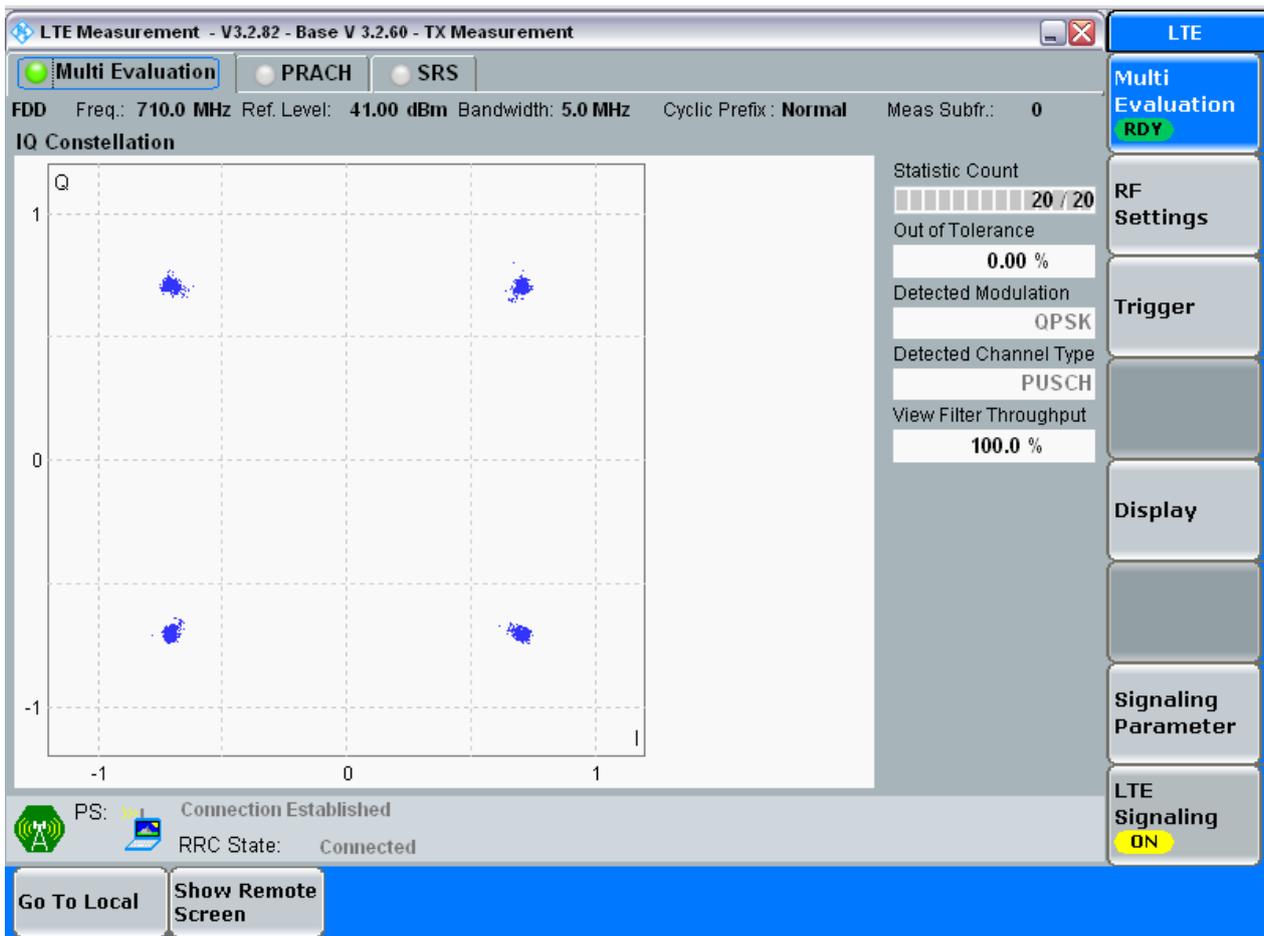
##### 3.1.1 Test Band = BAND17

##### 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

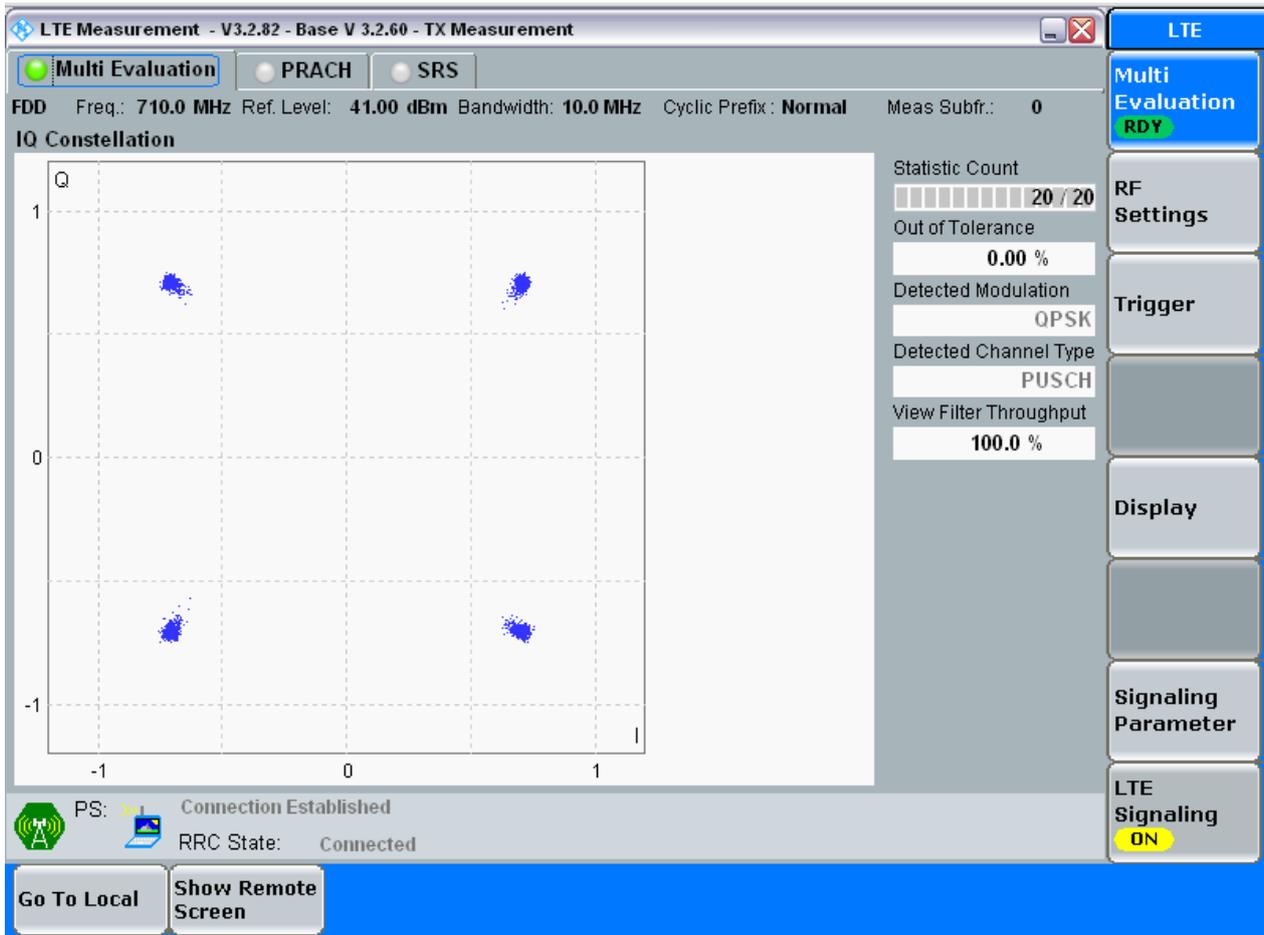
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 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

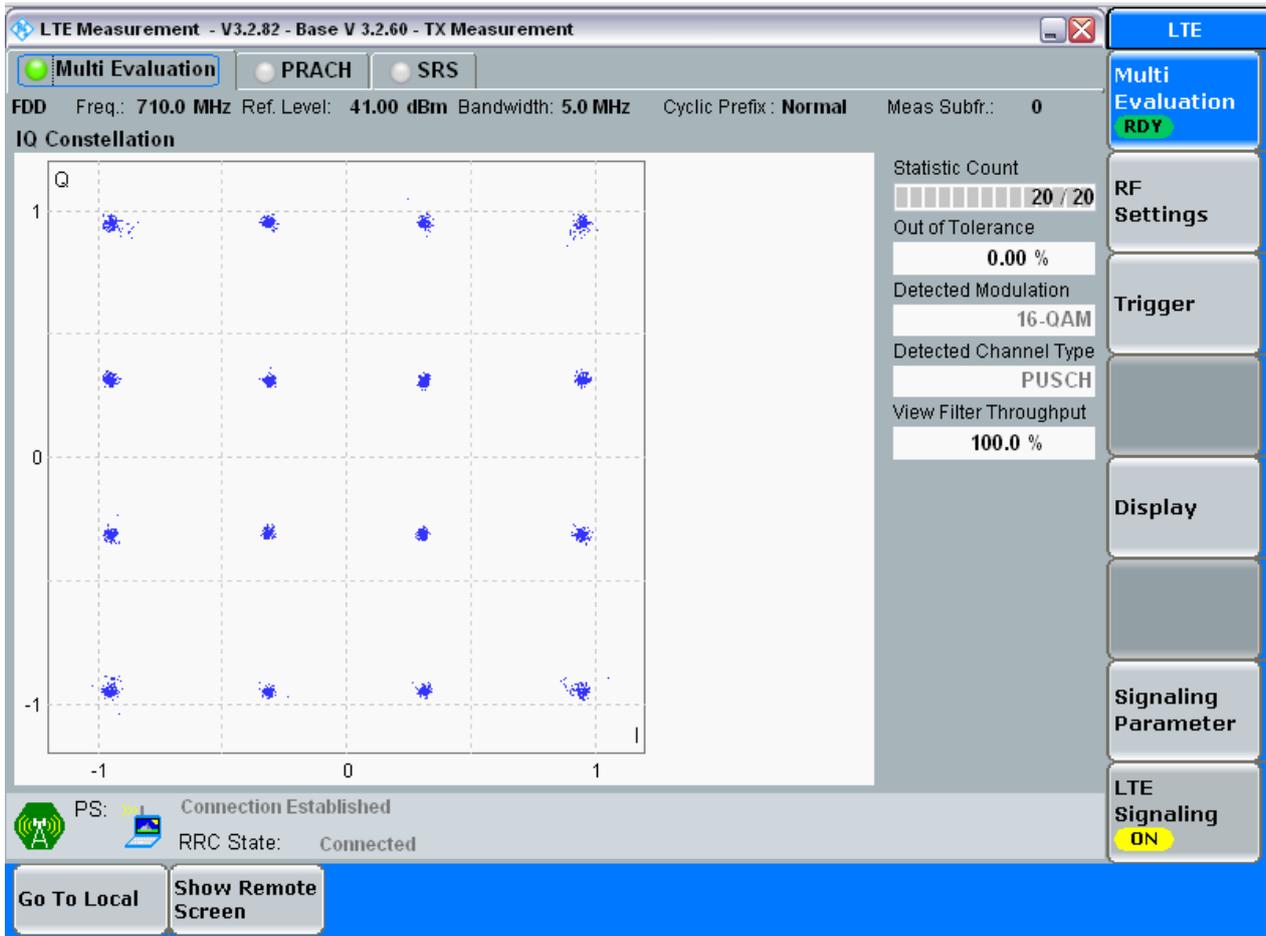


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

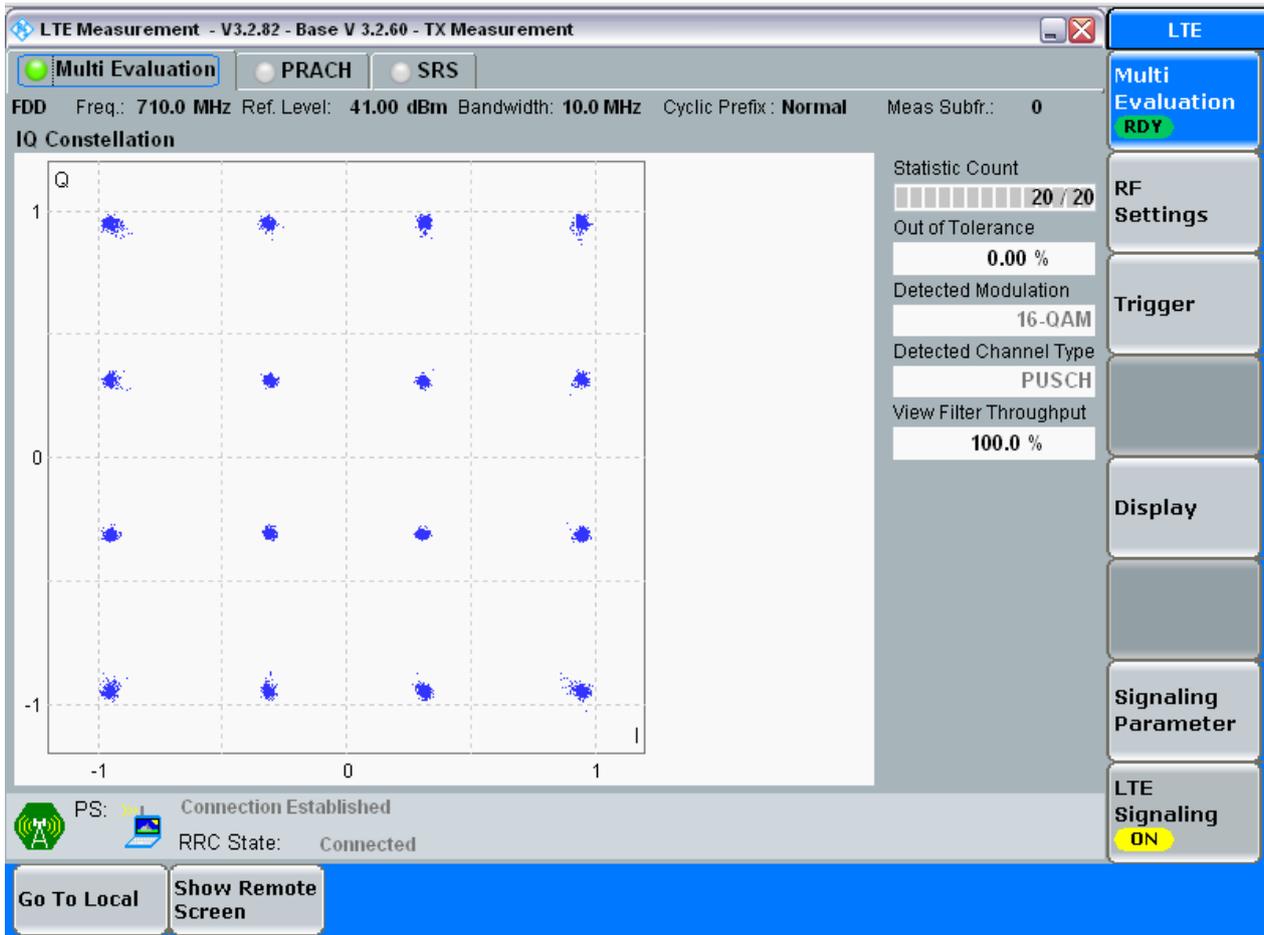
3.1.1.2.1.1.1 Test RB = RB25#0



### 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	4.97	Pass
			MCH	RB25#0	4.52	4.98	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	9.01	9.92	Pass
			MCH	RB50#0	8.98	9.86	Pass
			HCH	RB50#0	8.97	9.83	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.51	4.97	Pass
			HCH	RB25#0	4.50	4.96	Pass
		10	LCH	RB50#0	9.00	9.93	Pass
			MCH	RB50#0	8.98	9.91	Pass
			HCH	RB50#0	8.98	9.85	Pass



Part II - Test Plots

4.1 For LTE

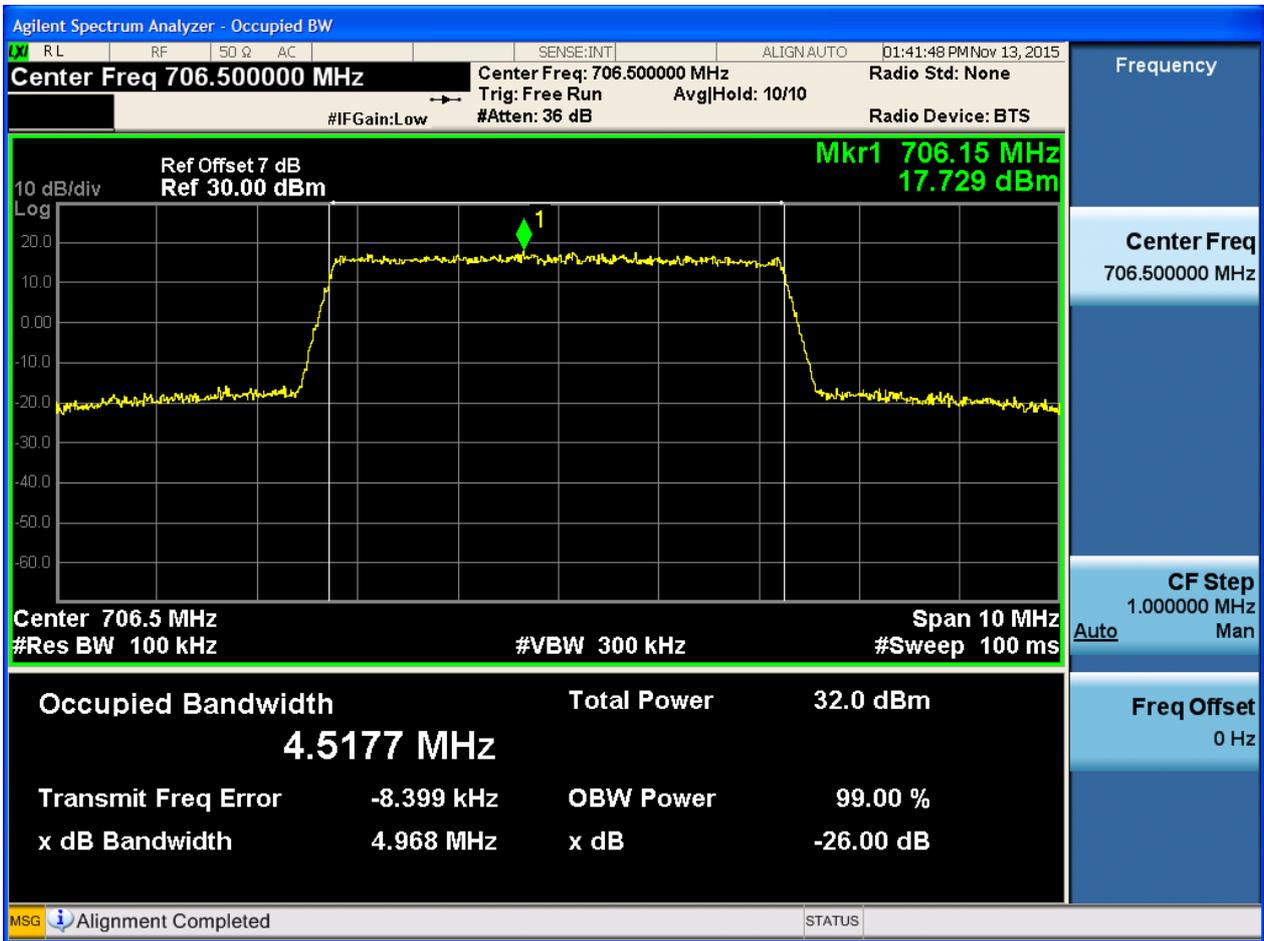
4.1.1 Test Band = BAND17

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

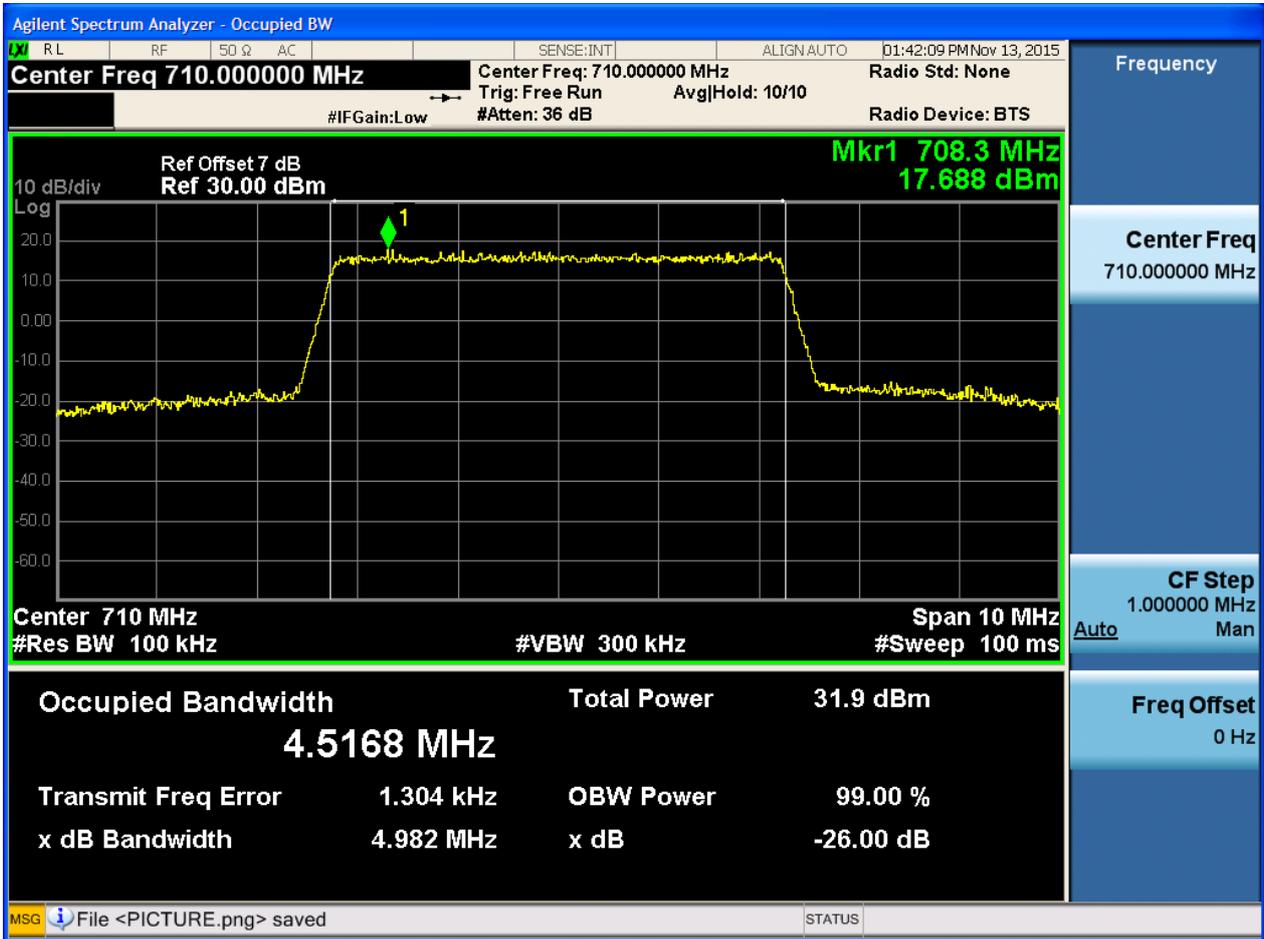
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

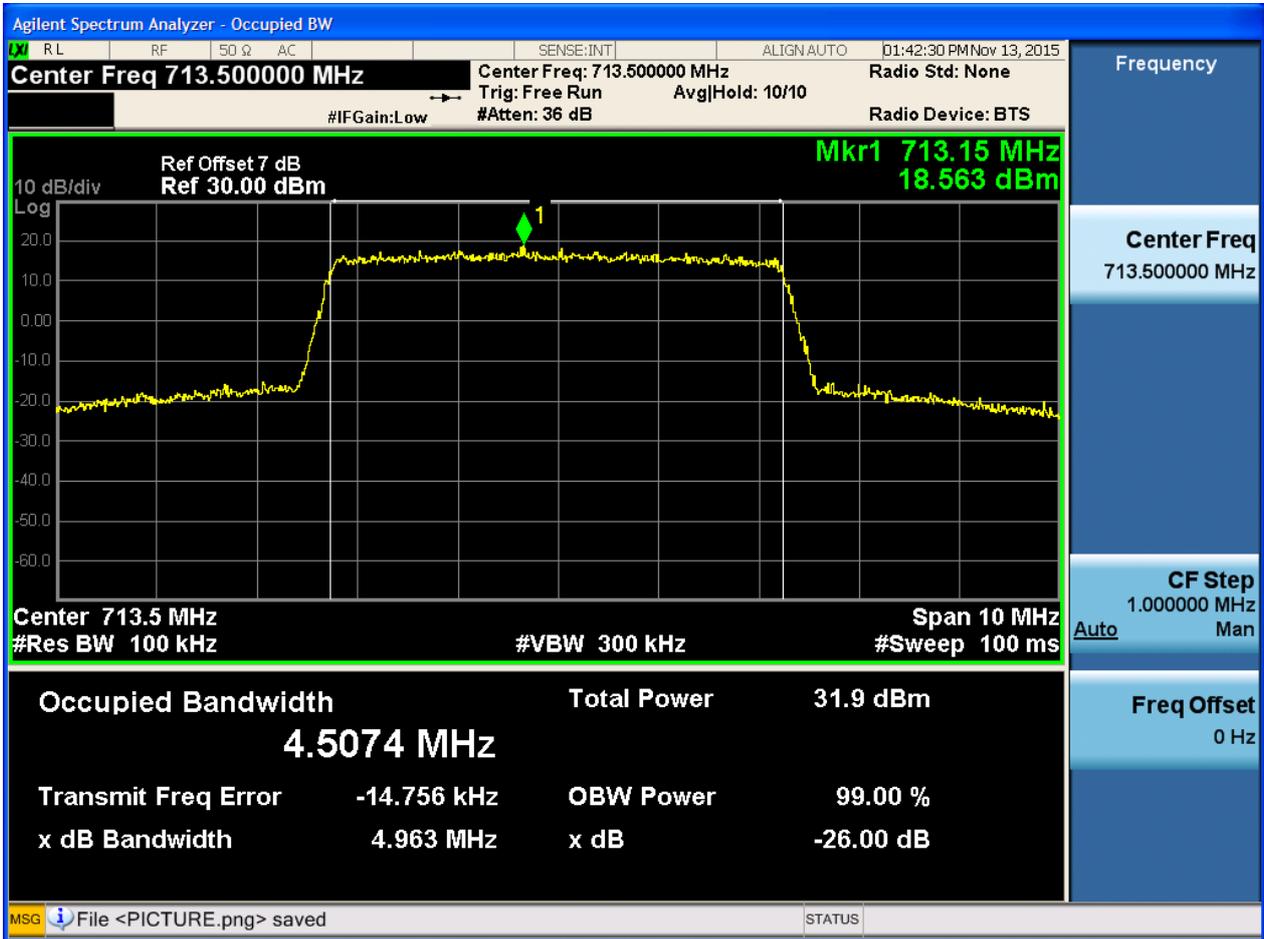
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

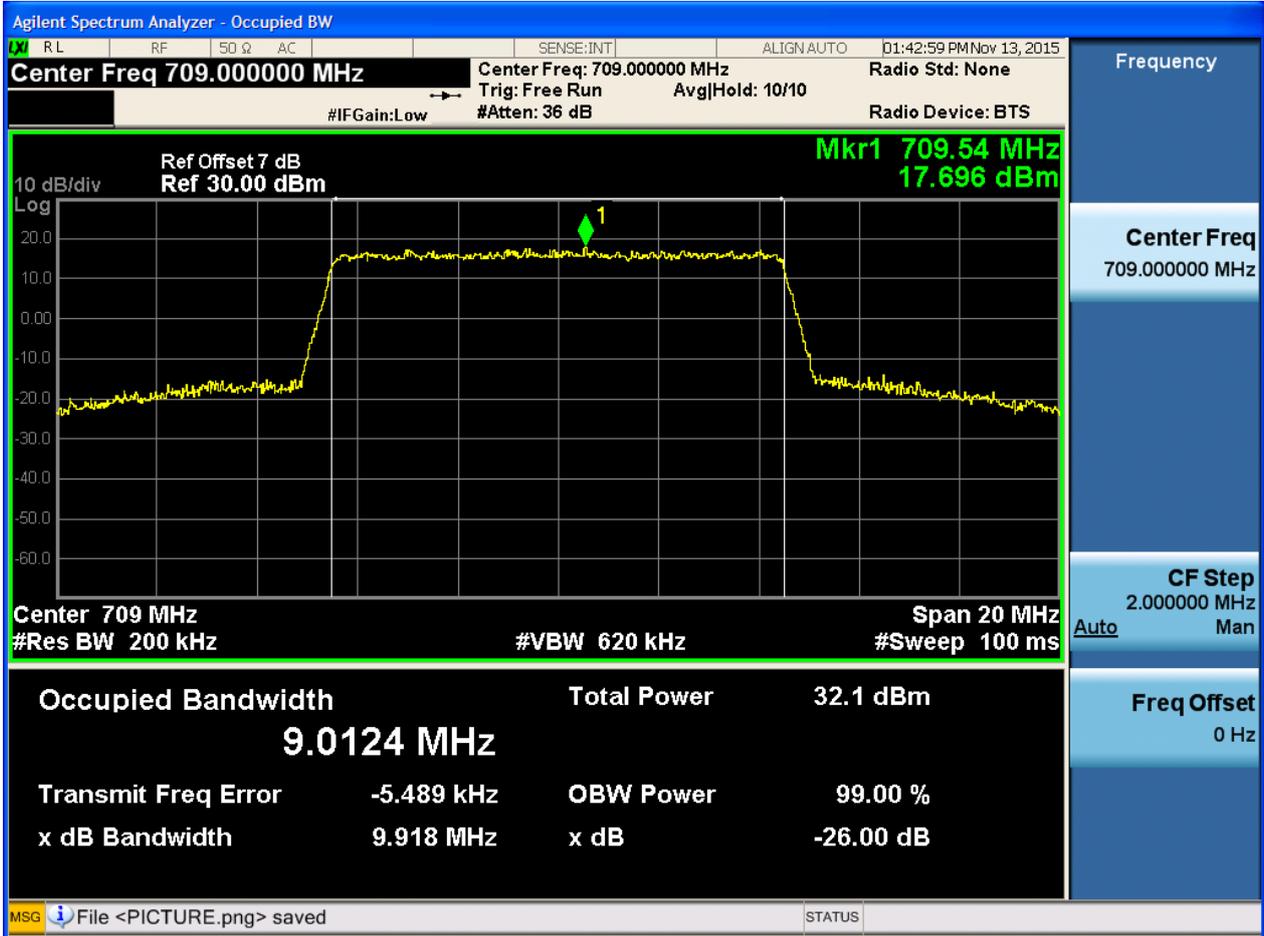




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

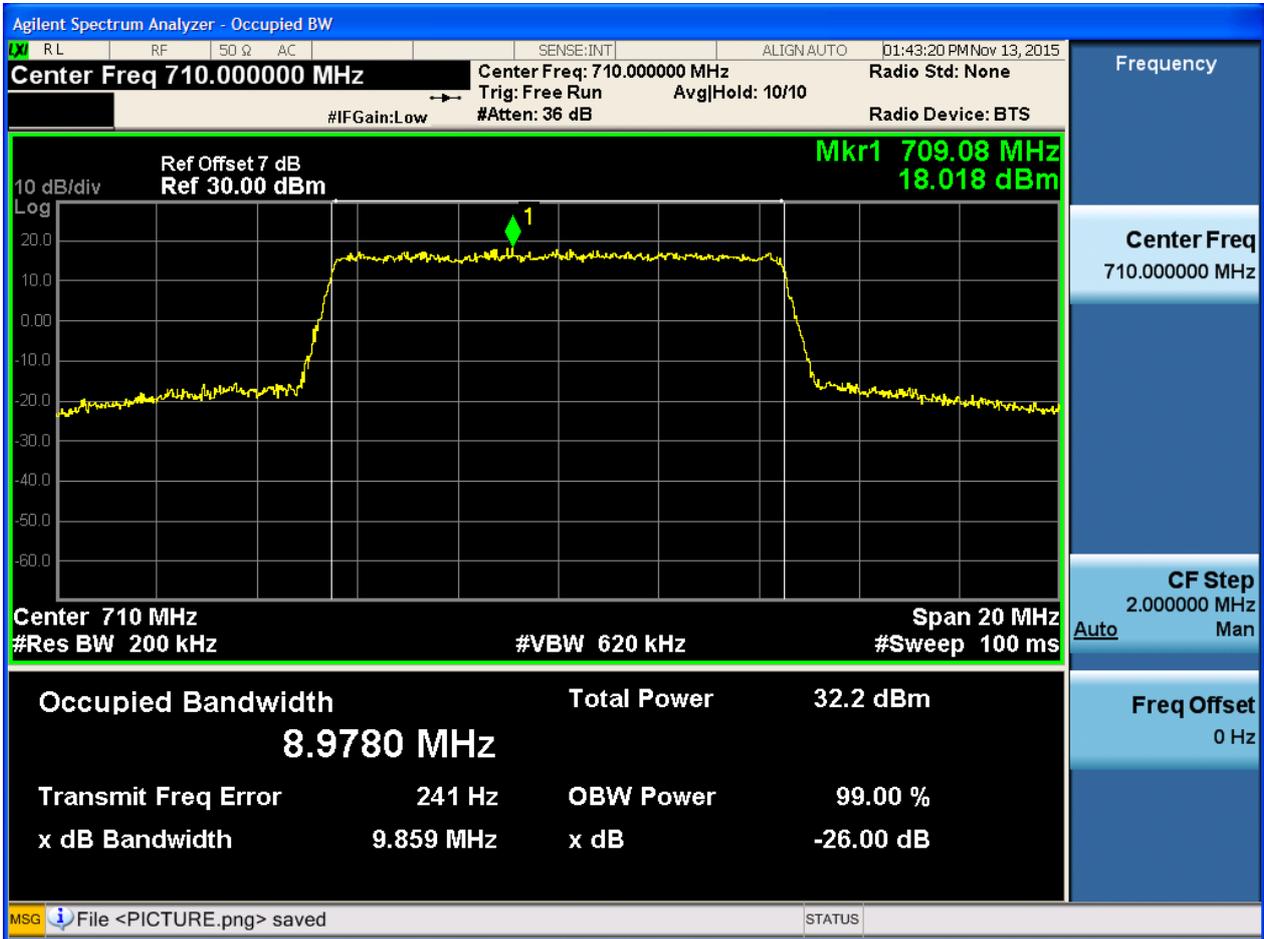
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

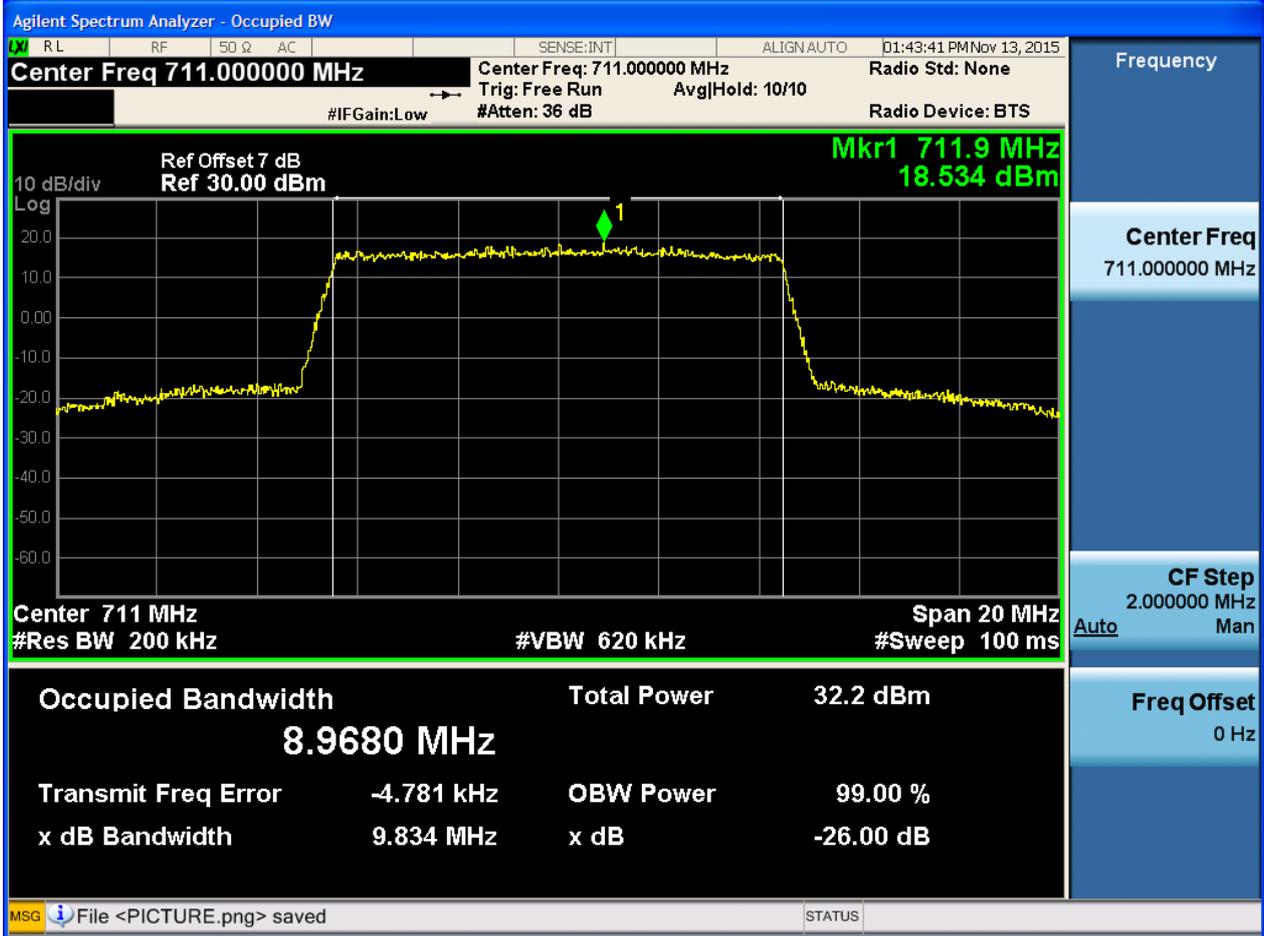
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



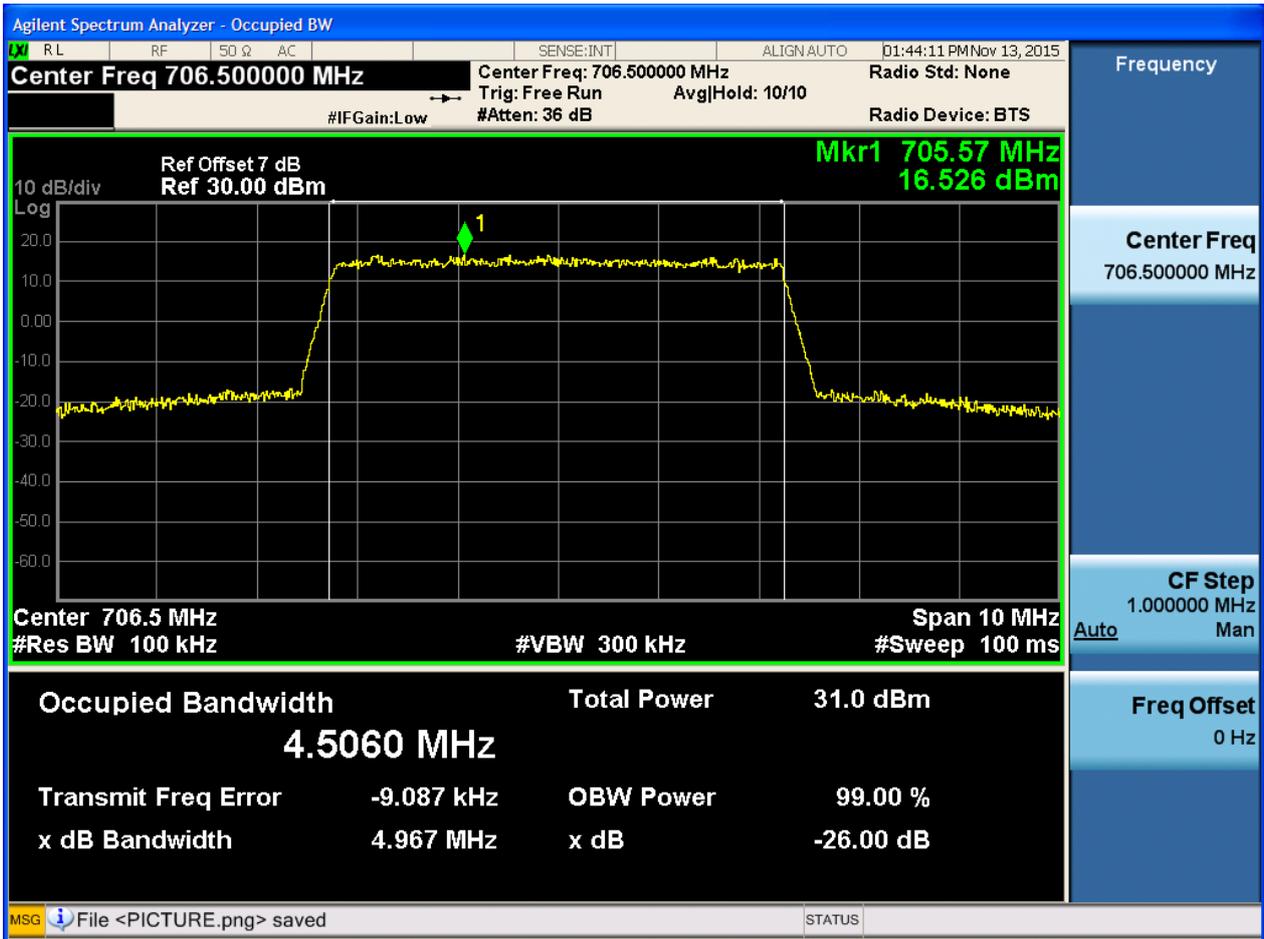


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

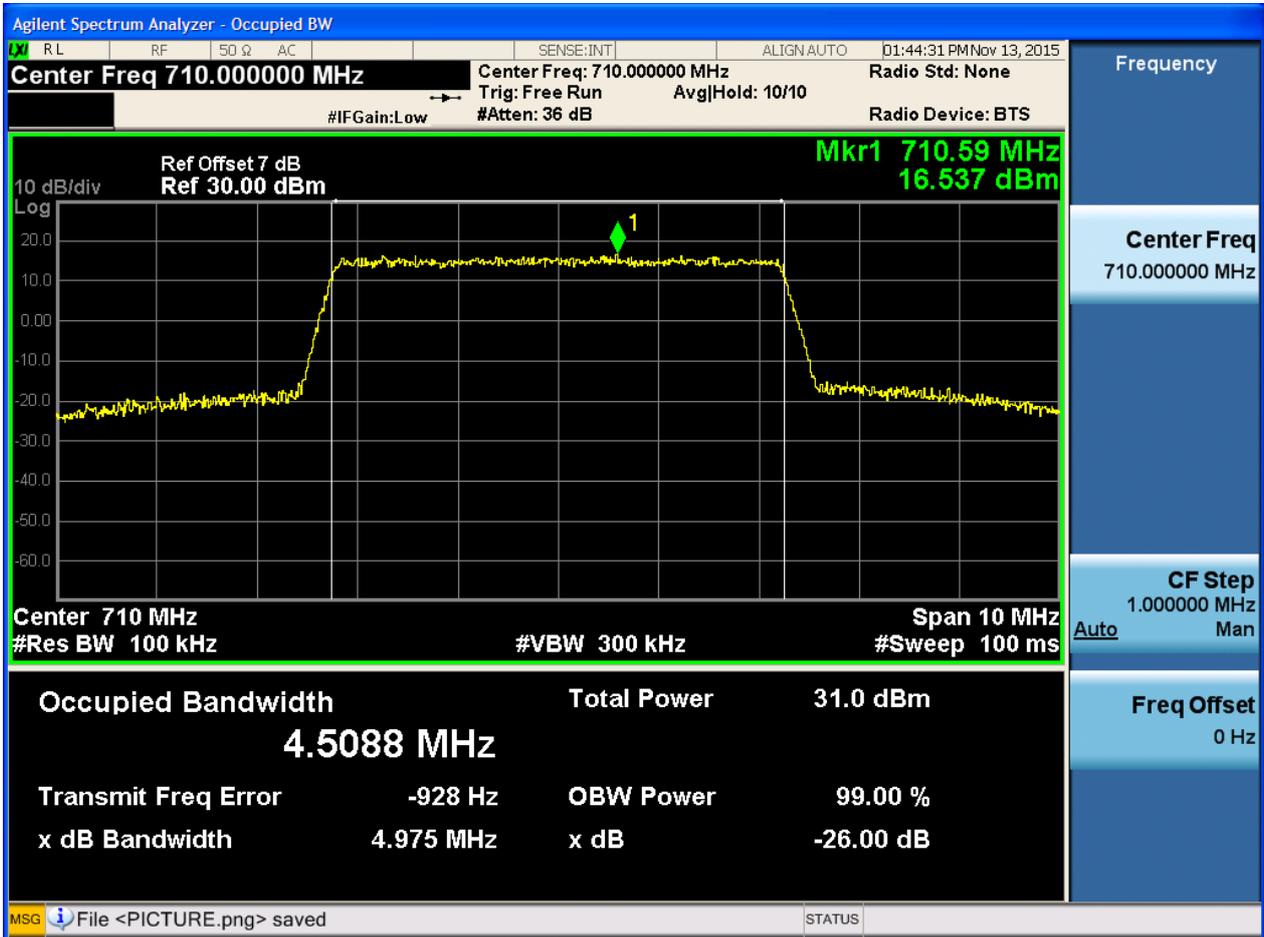
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

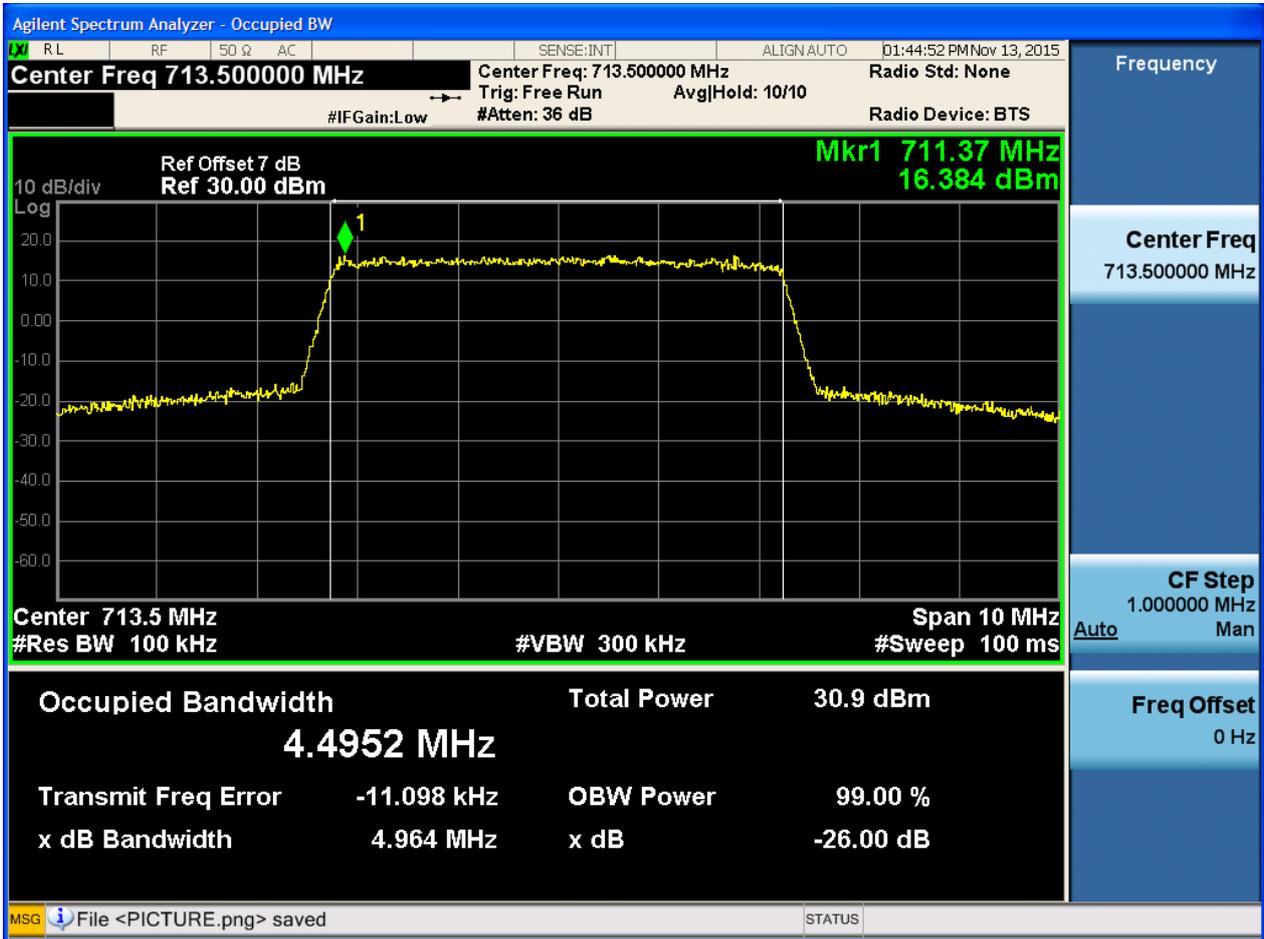
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

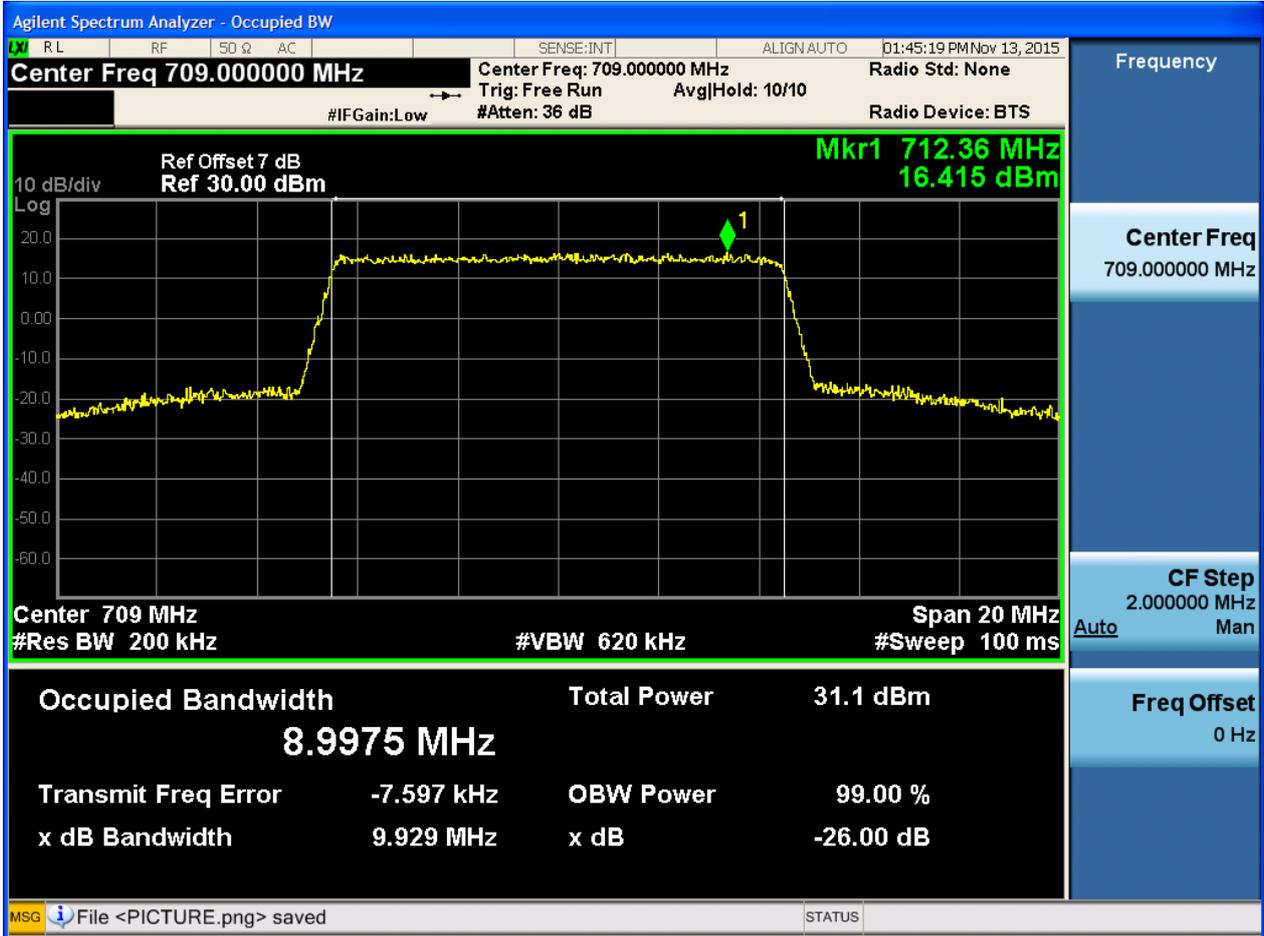




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

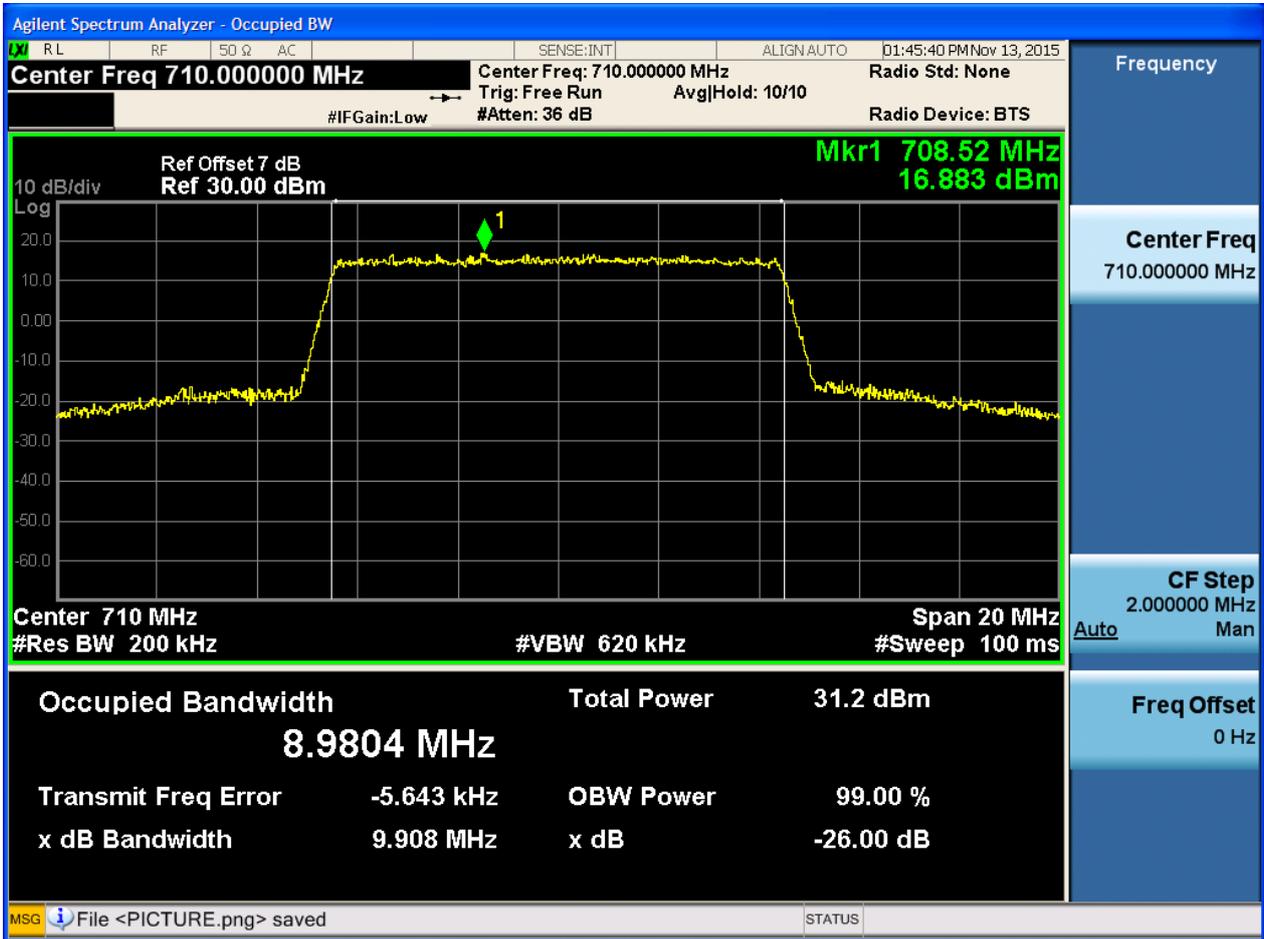
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

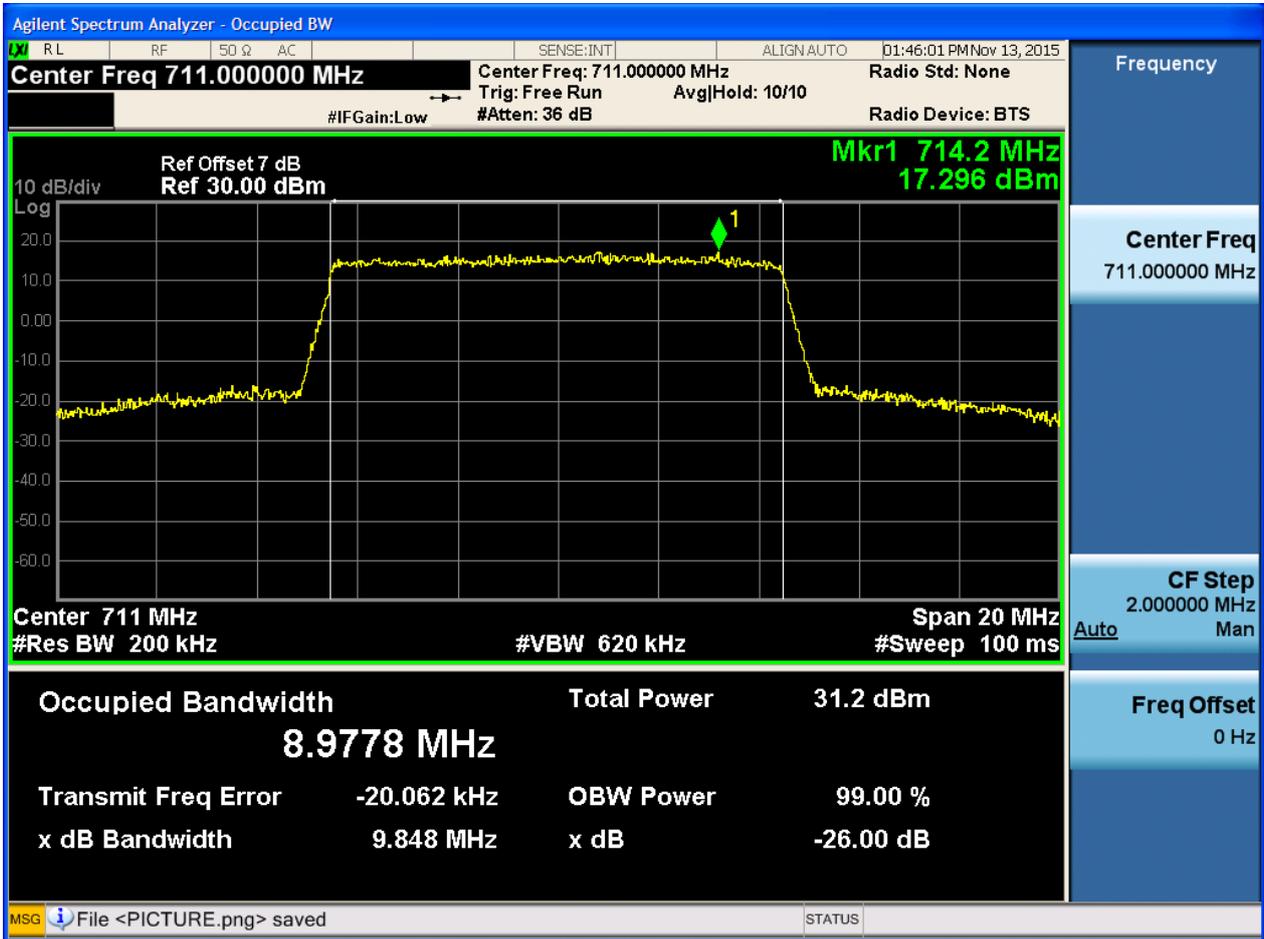
4.1.1.2.2.1 Test RB = RB50#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0





## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

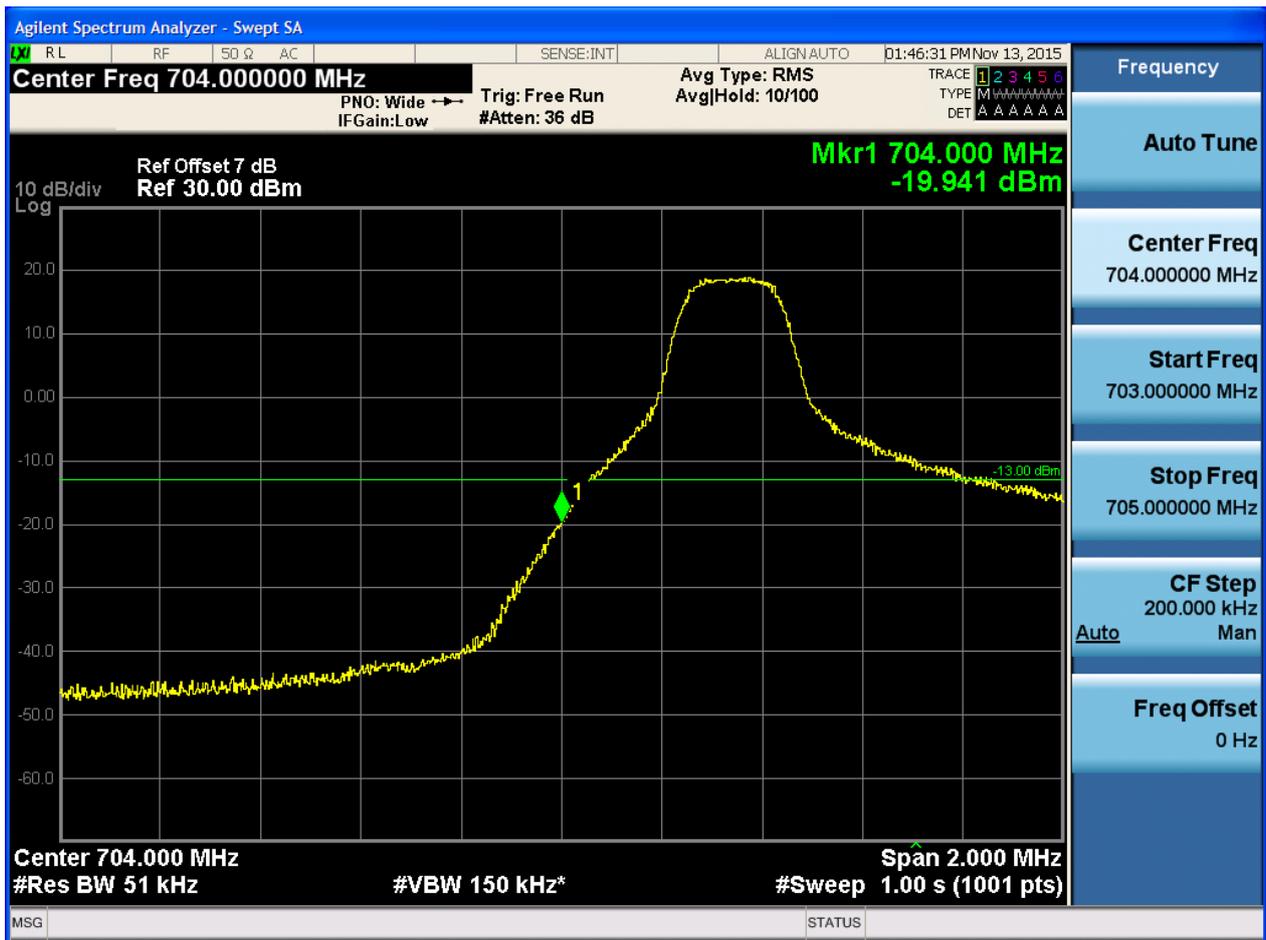
##### 5.1.1 Test Band = BAND17

##### 5.1.1.1 Test Mode = LTE/TM1

##### 5.1.1.1.1 Test Bandwidth = 5

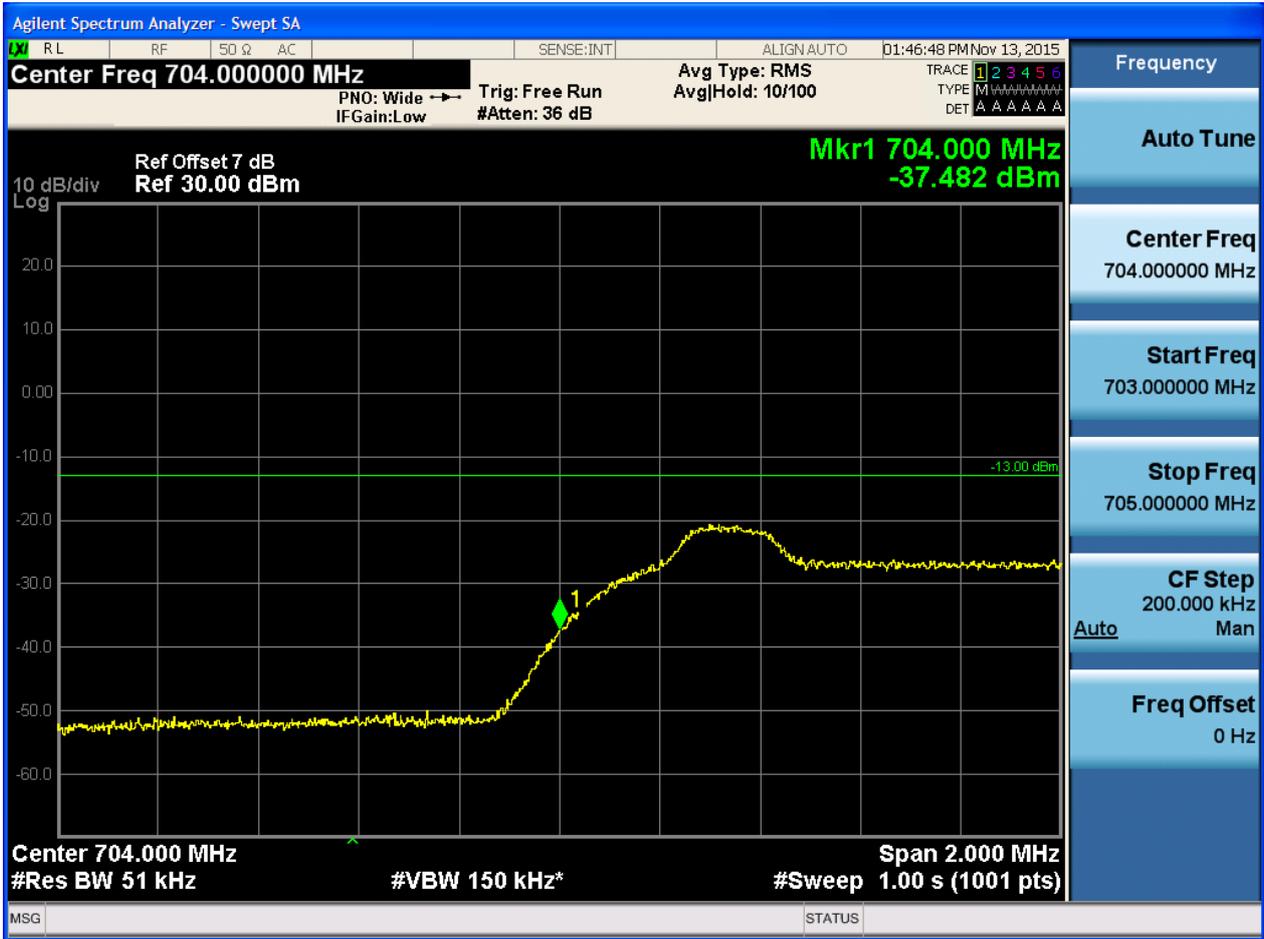
##### 5.1.1.1.1.1 Test Channel = LCH

##### 5.1.1.1.1.1.1 Test RB = RB1#0



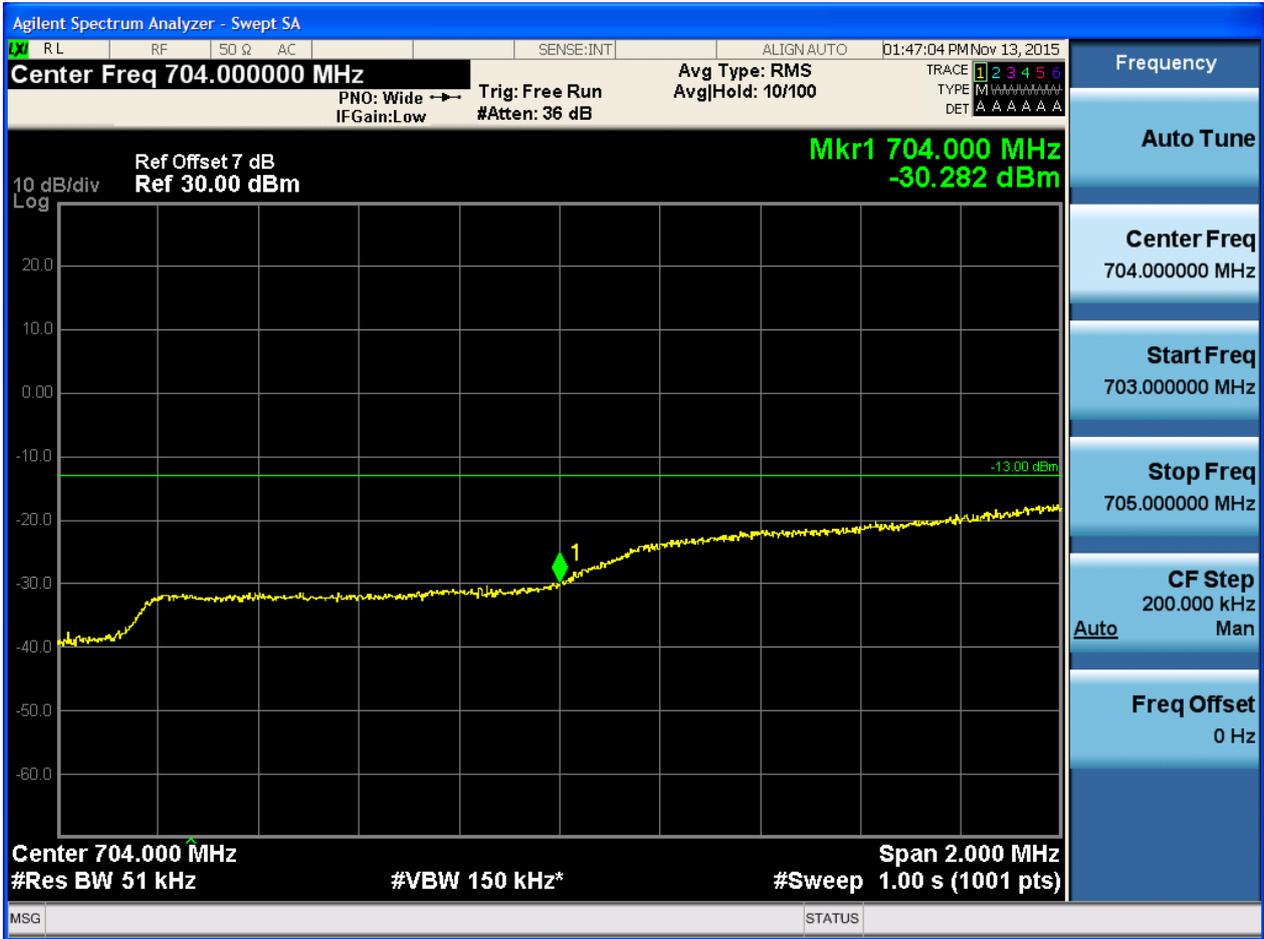


5.1.1.1.1.2 Test RB = RB1#24



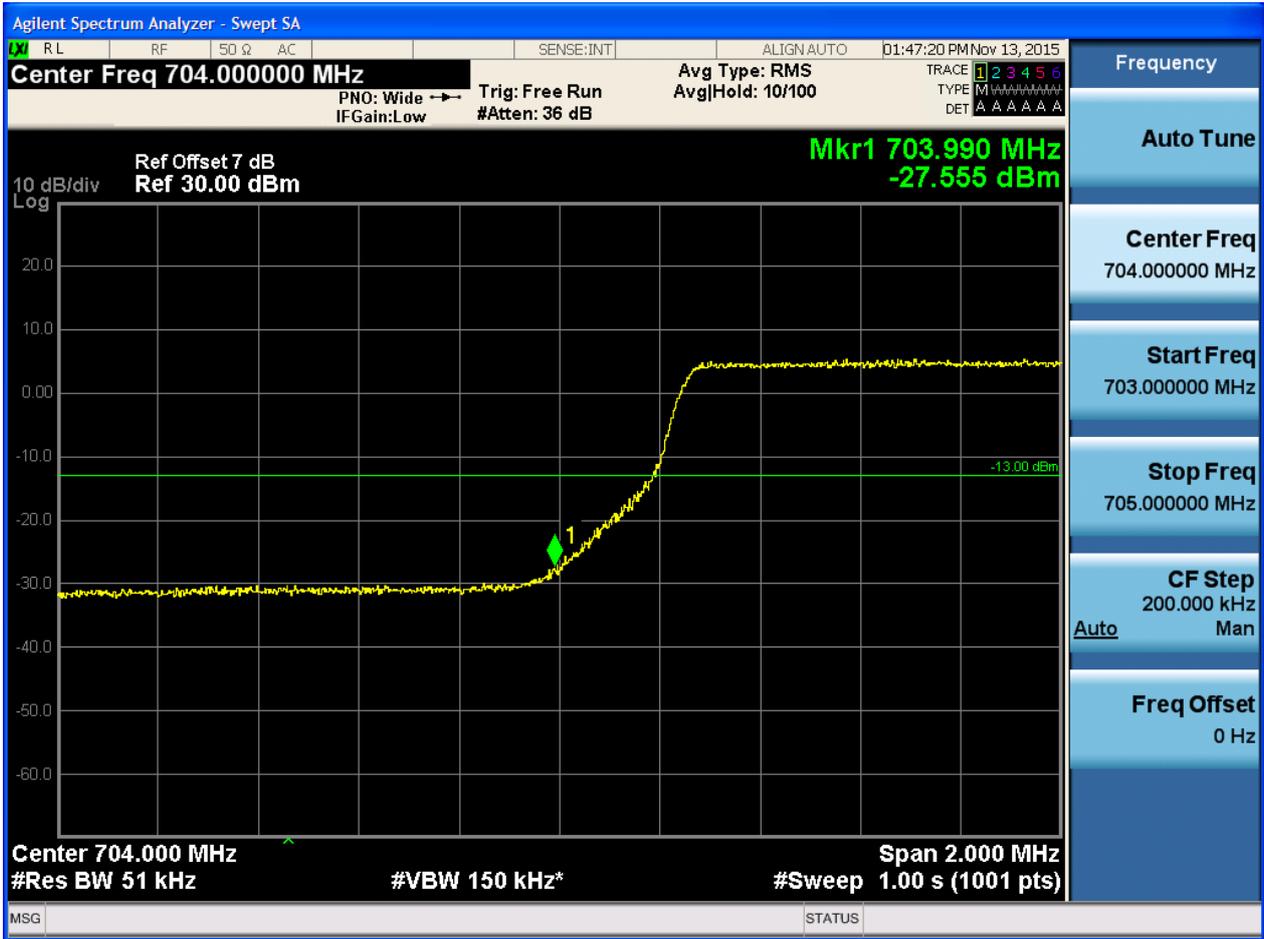


5.1.1.1.1.3 Test RB = RB12#6





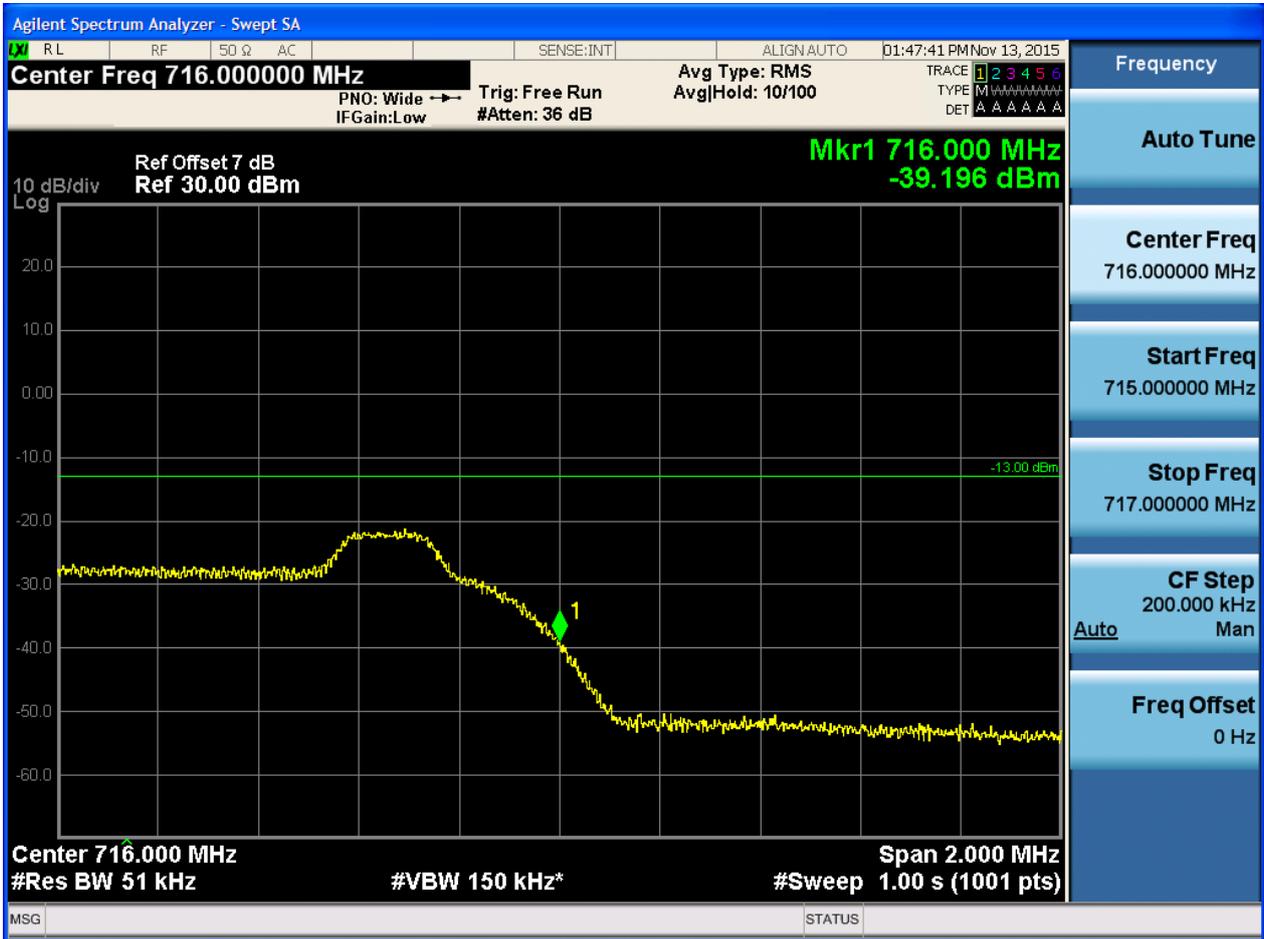
5.1.1.1.1.4 Test RB = RB25#0





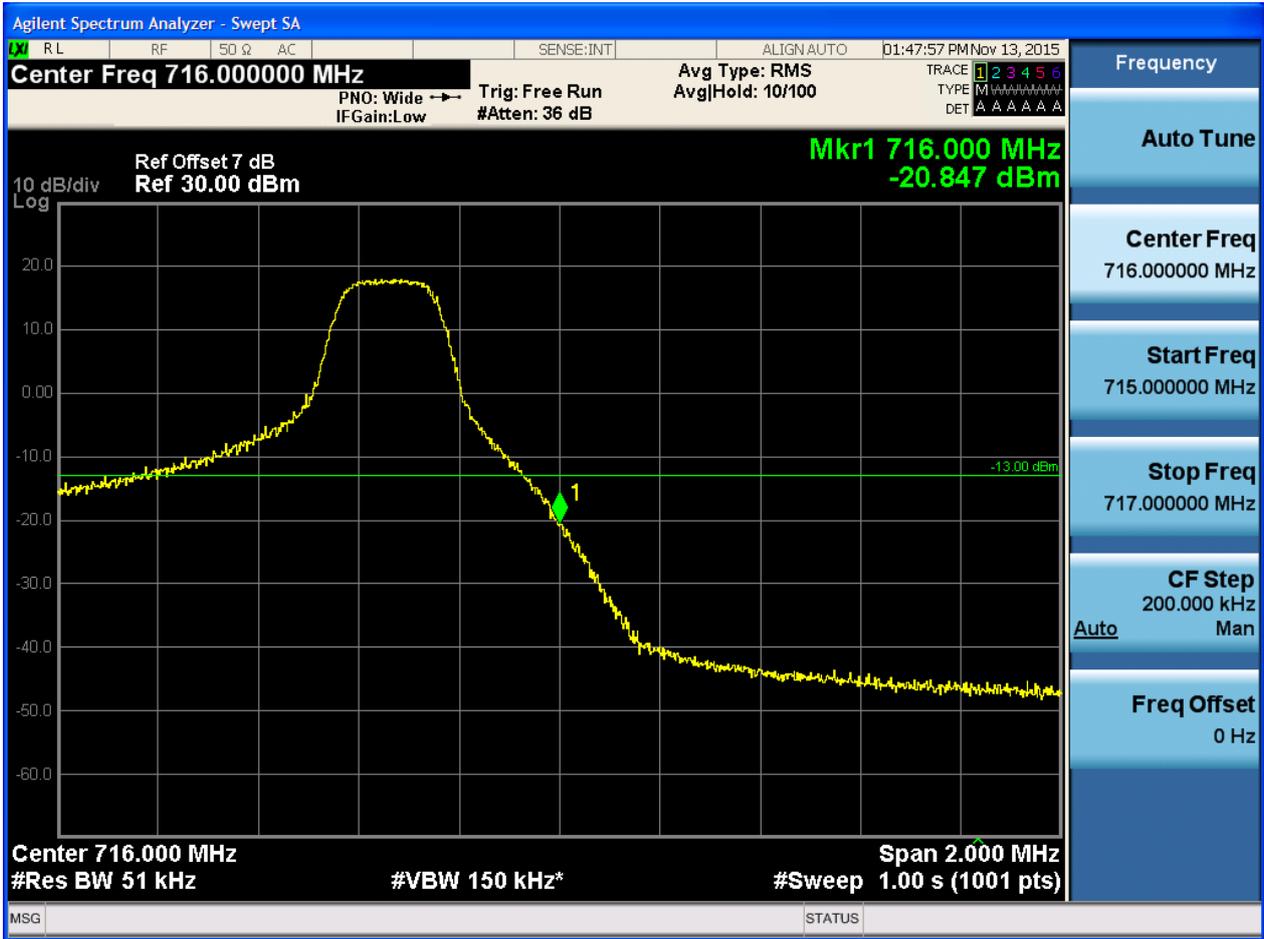
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#24





5.1.1.1.2.3 Test RB = RB12#6





5.1.1.1.2.4 Test RB = RB25#0

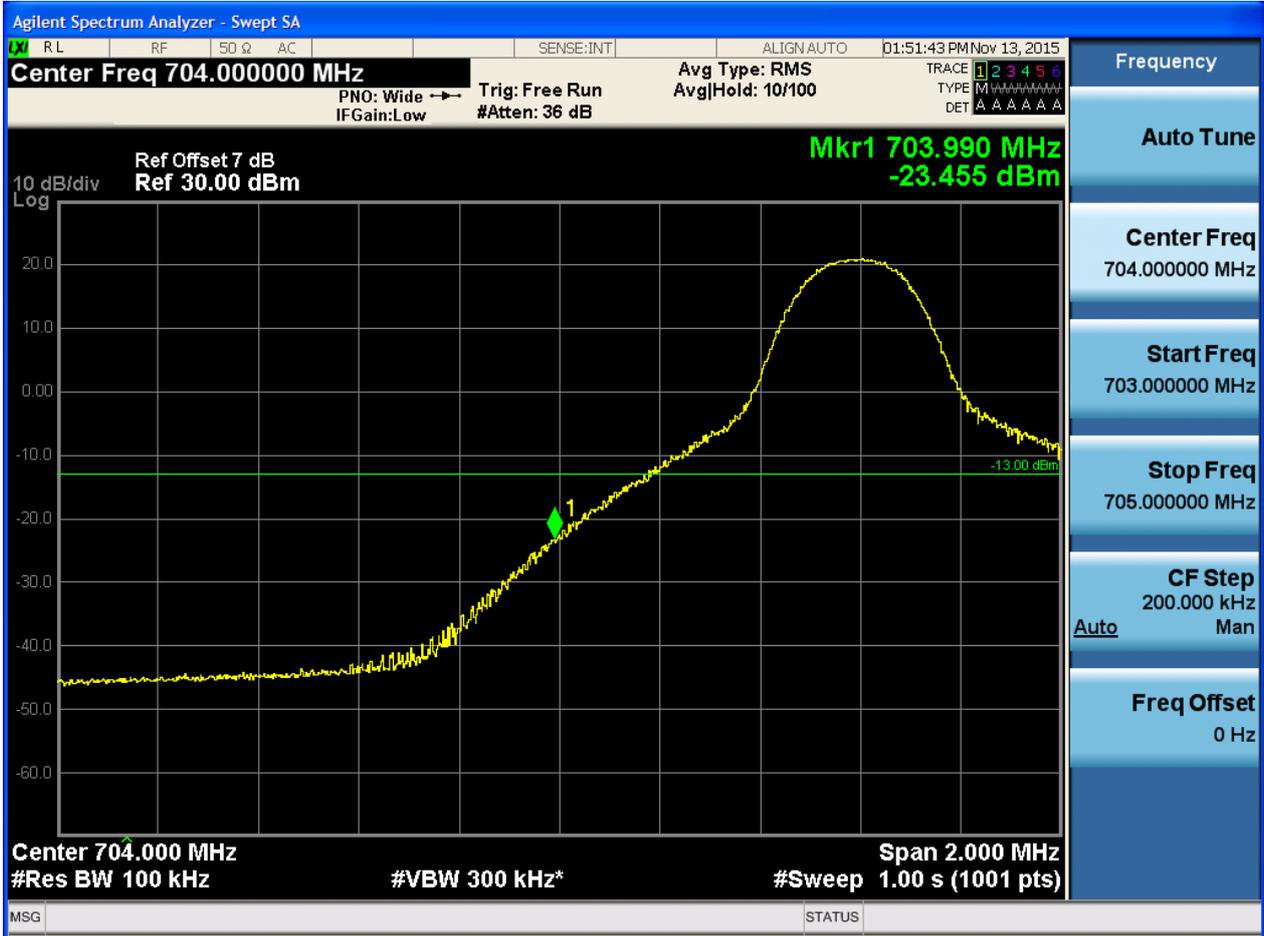




5.1.1.1.2 Test Bandwidth = 10

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



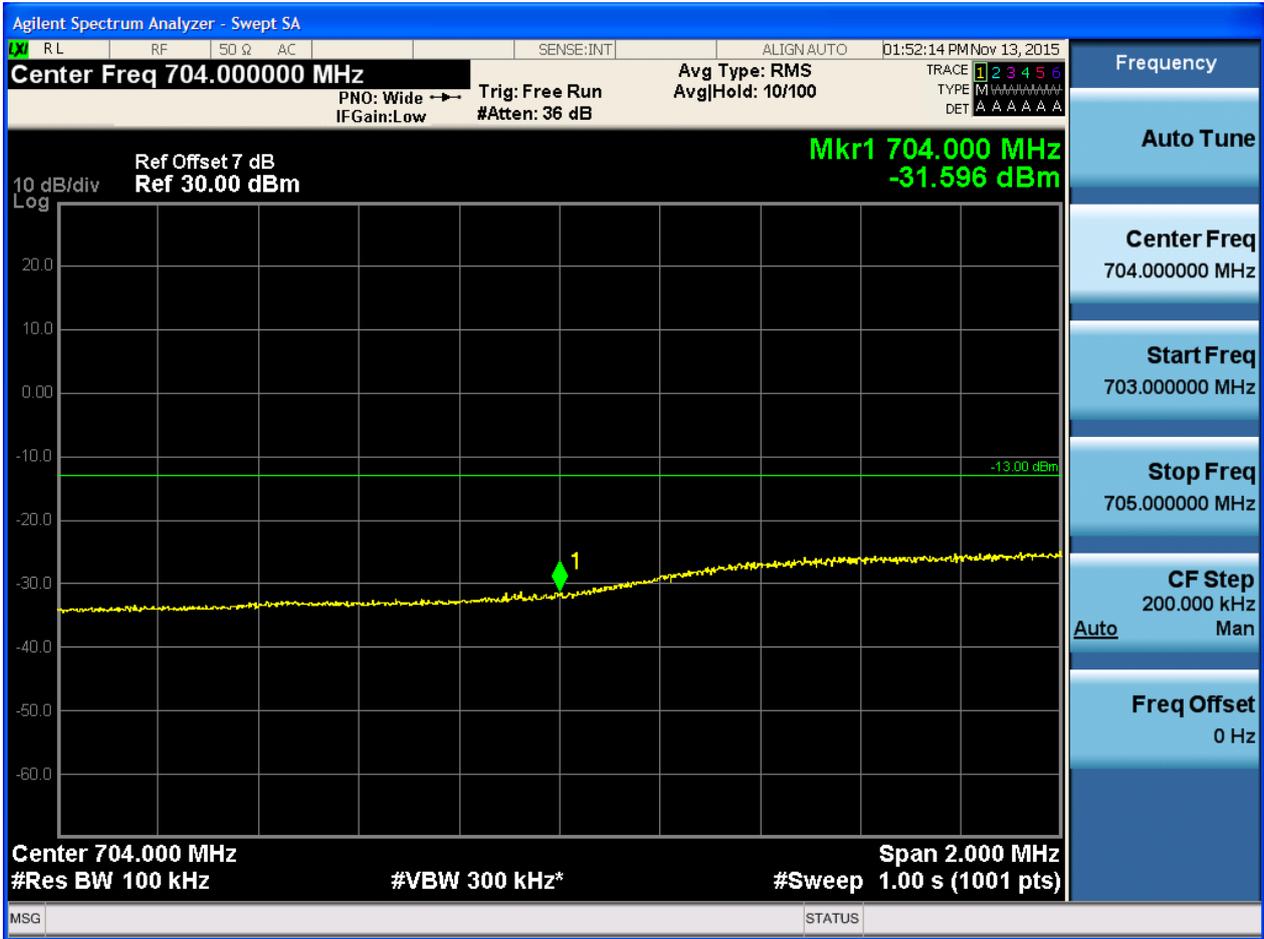


5.1.1.1.2.1.2 Test RB = RB1#49



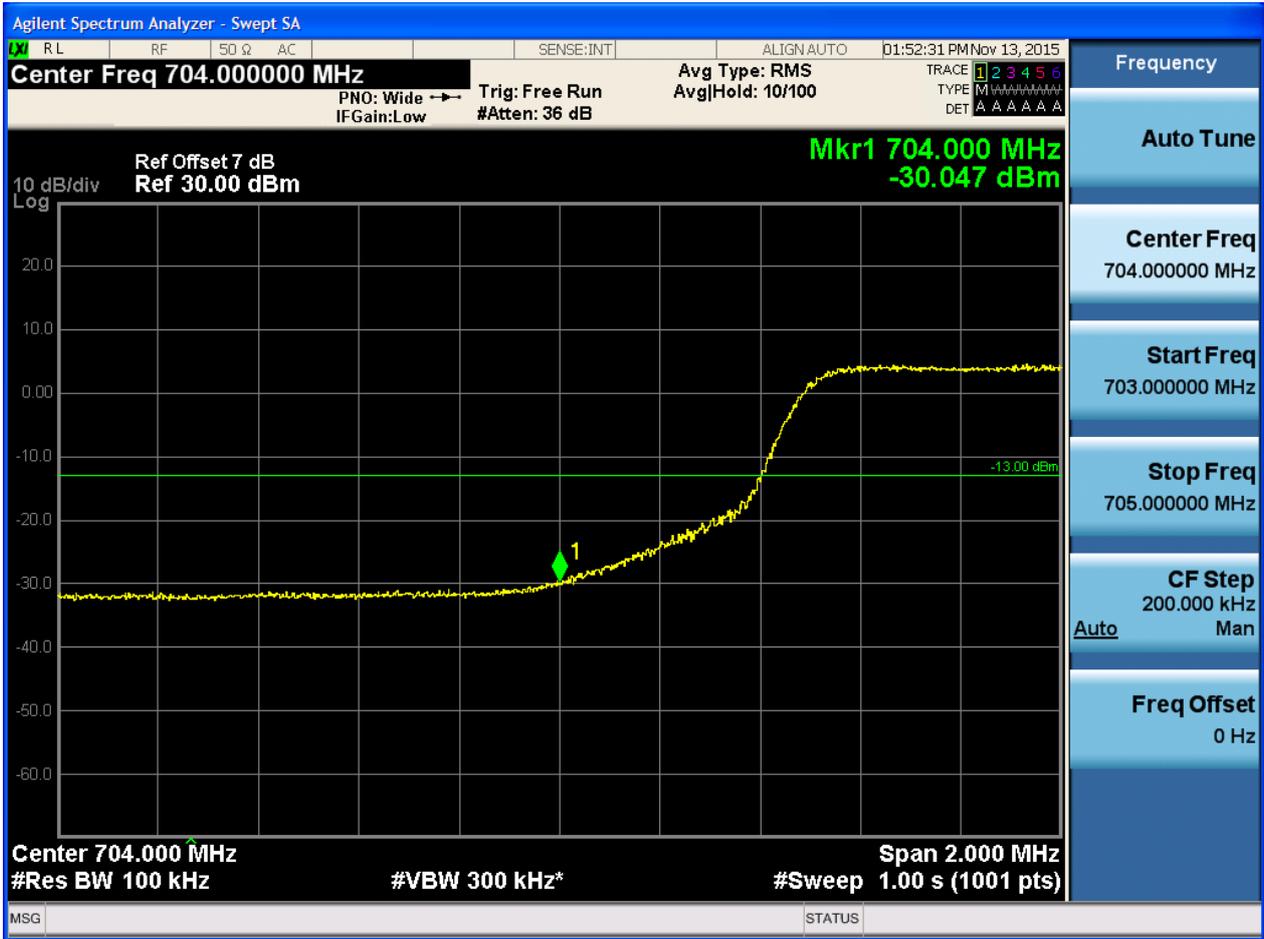


5.1.1.1.2.1.3 Test RB = RB25#13





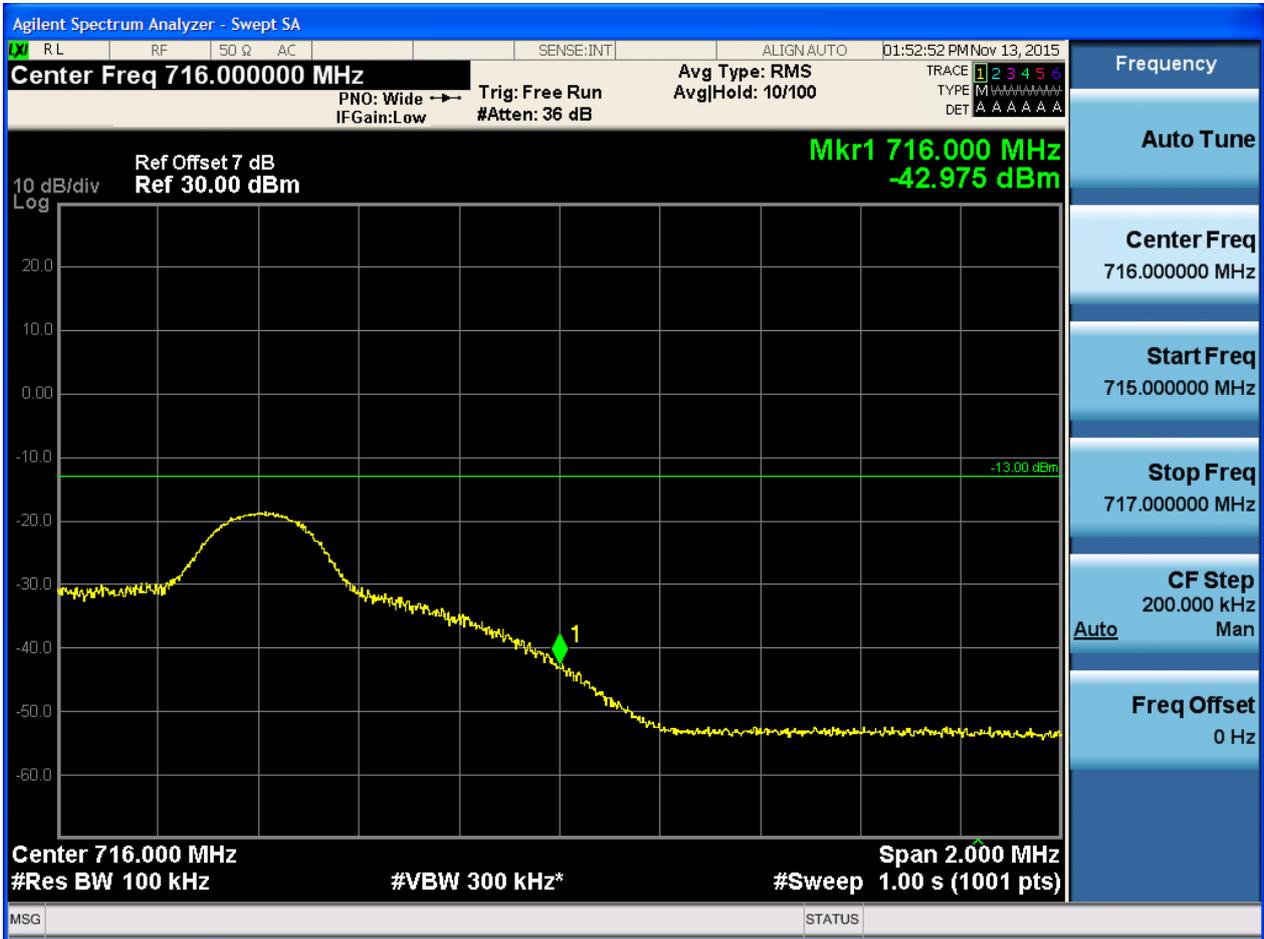
5.1.1.1.2.1.4 Test RB = RB50#0





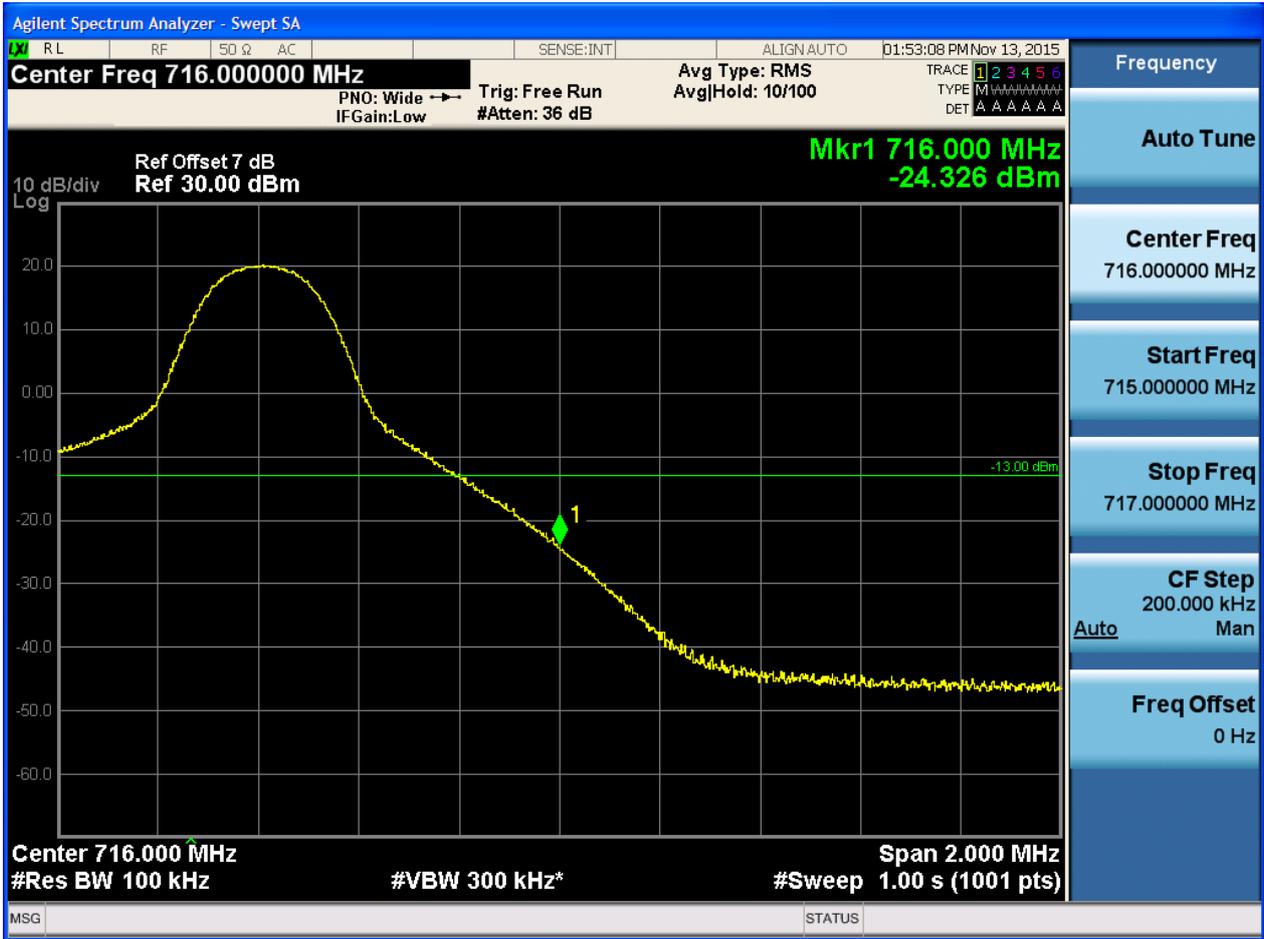
5.1.1.1.2.2 Test Channel = HCH

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



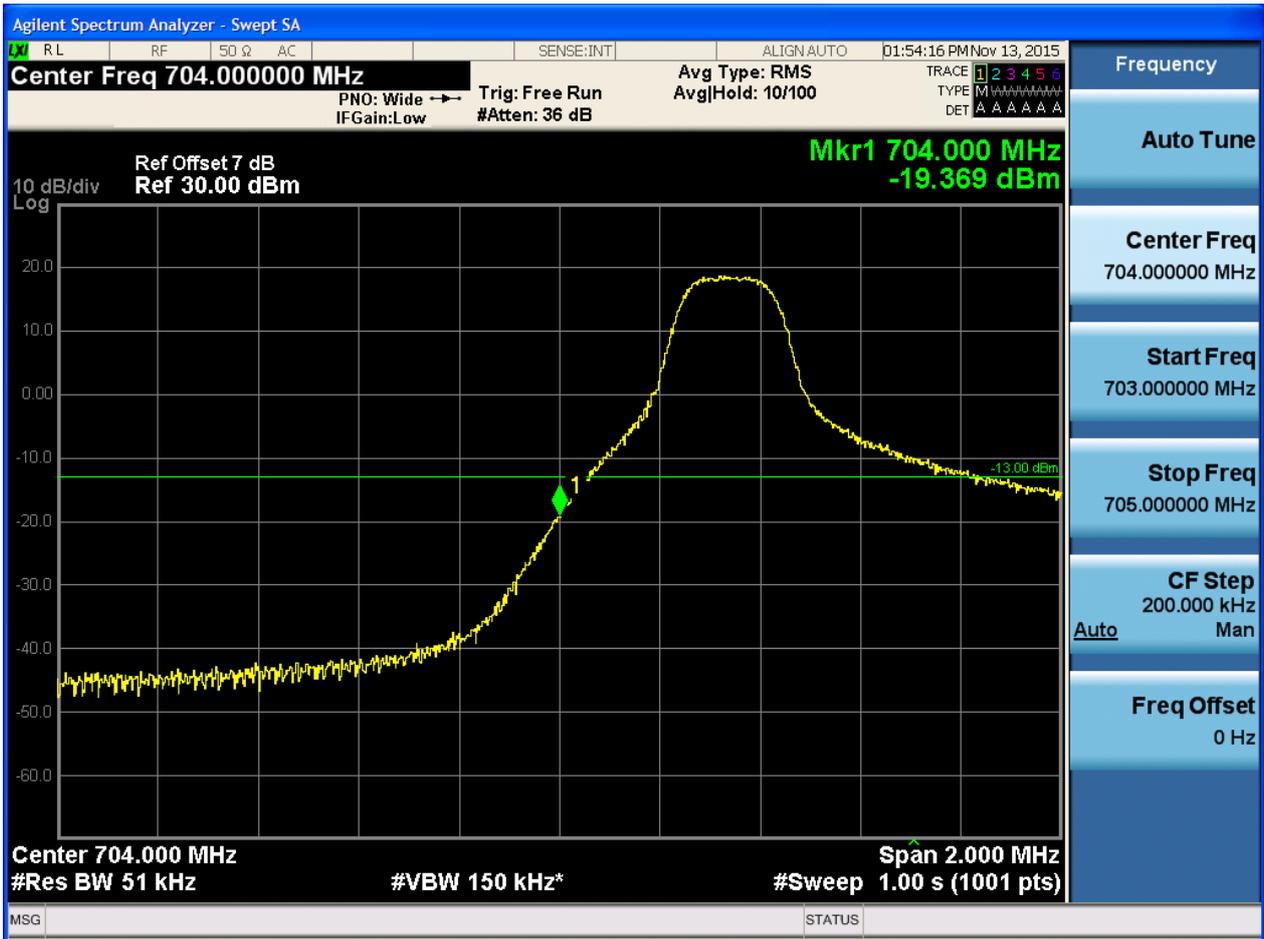


5.1.1.2 Test Mode = LTE/TM2

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



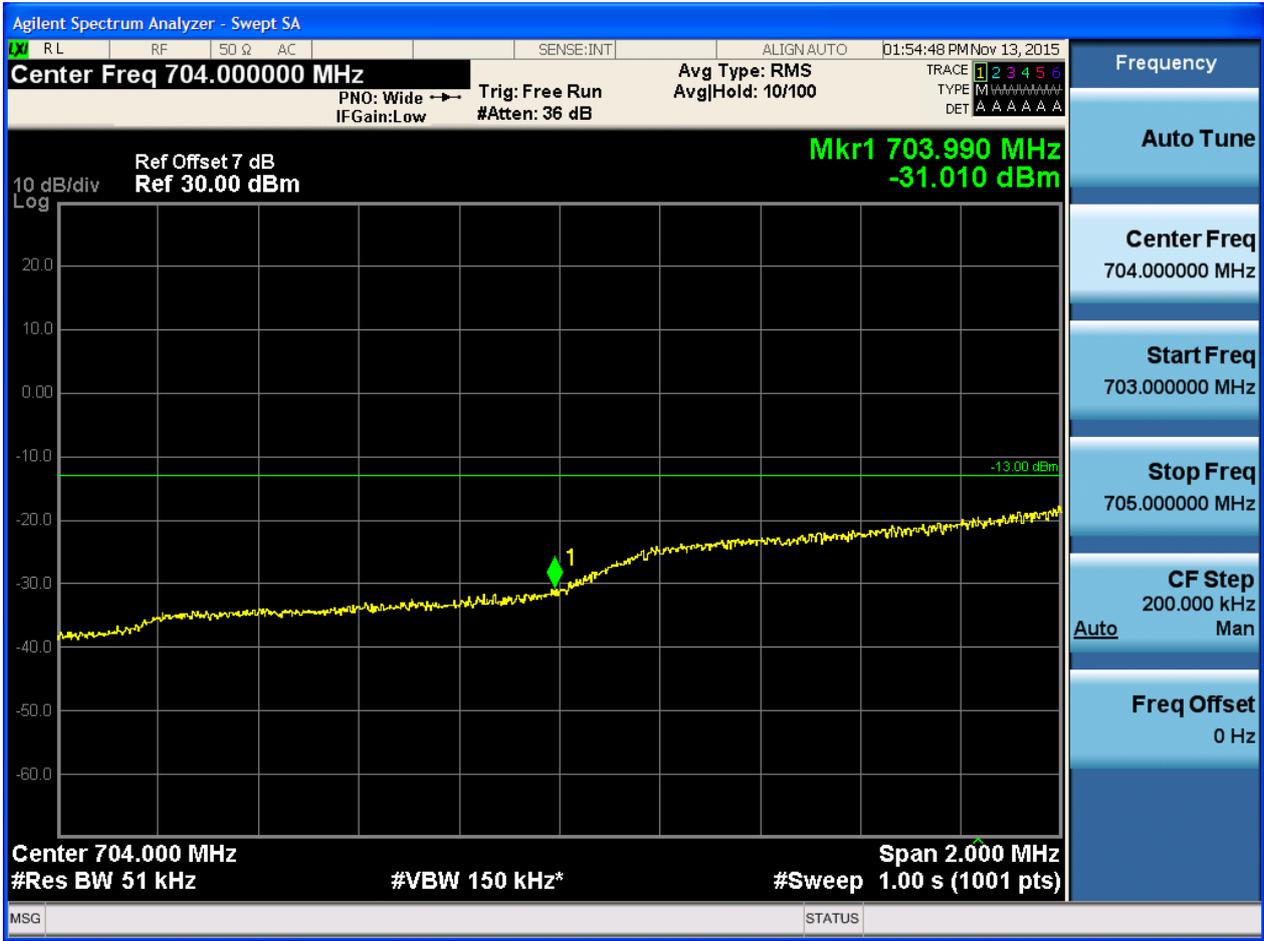


5.1.1.2.1.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6





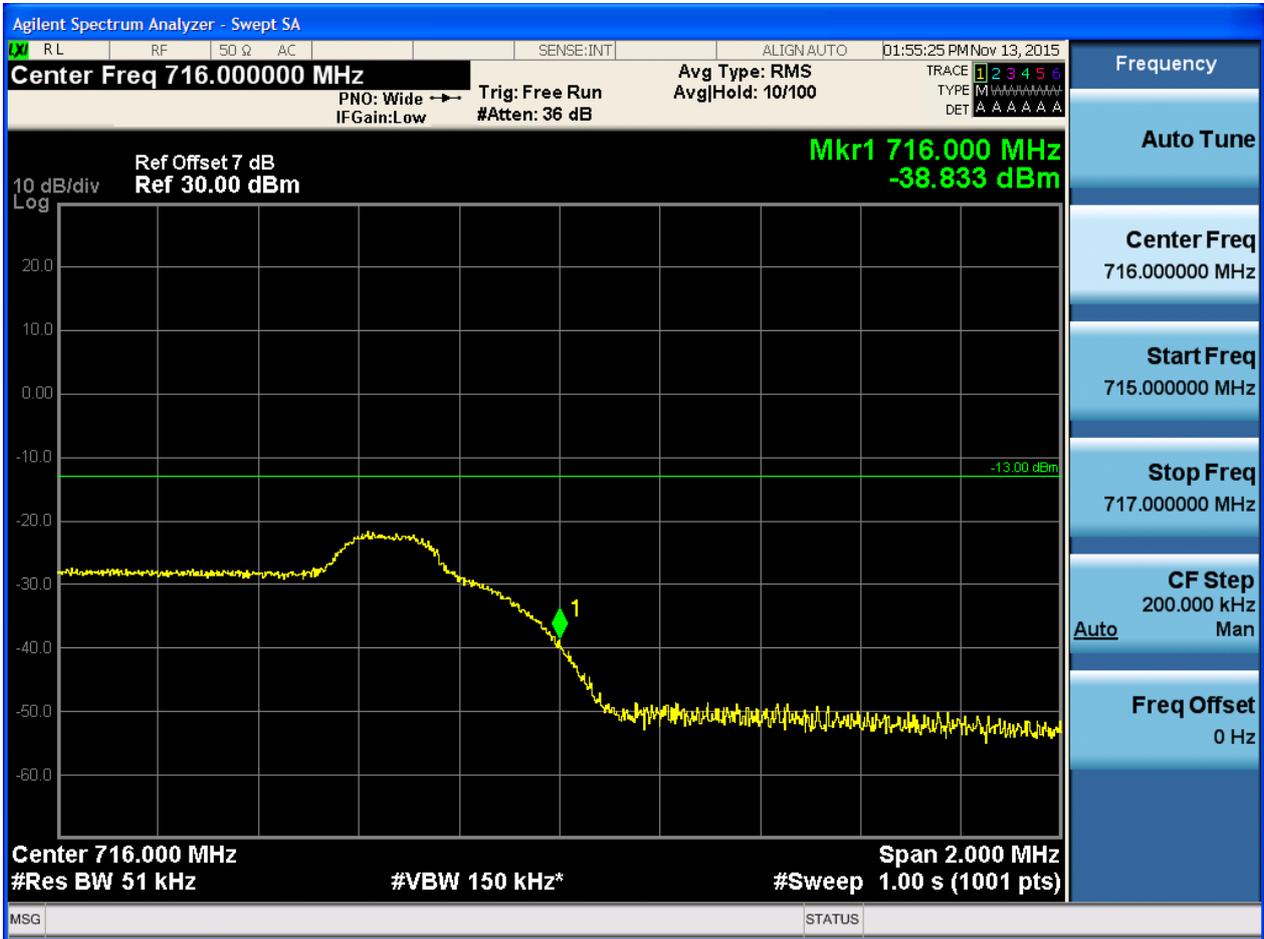
5.1.1.2.1.1.4 Test RB = RB25#0





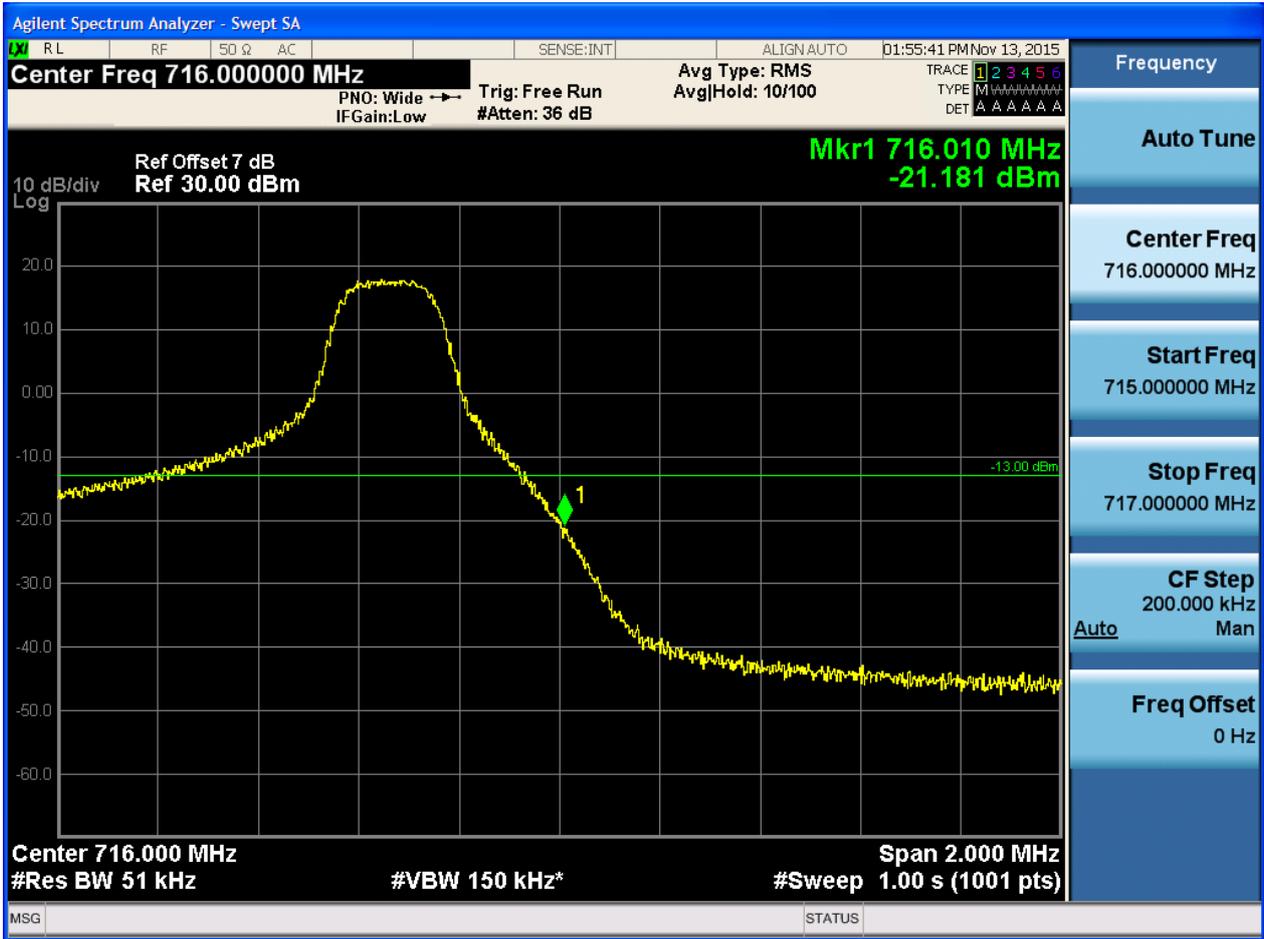
5.1.1.2.1.2 Test Channel = HCH

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

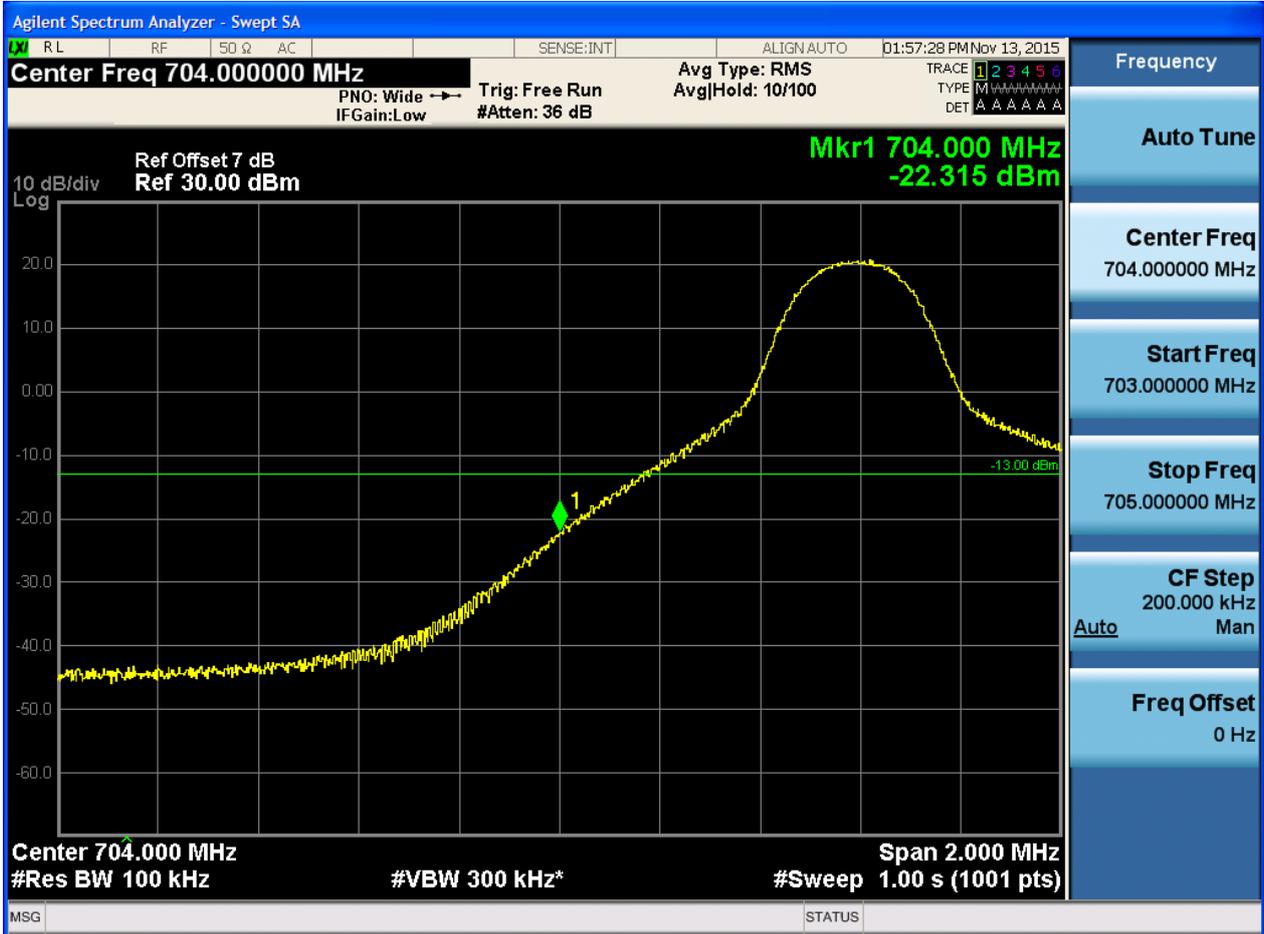




5.1.1.2.2 Test Bandwidth = 10

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





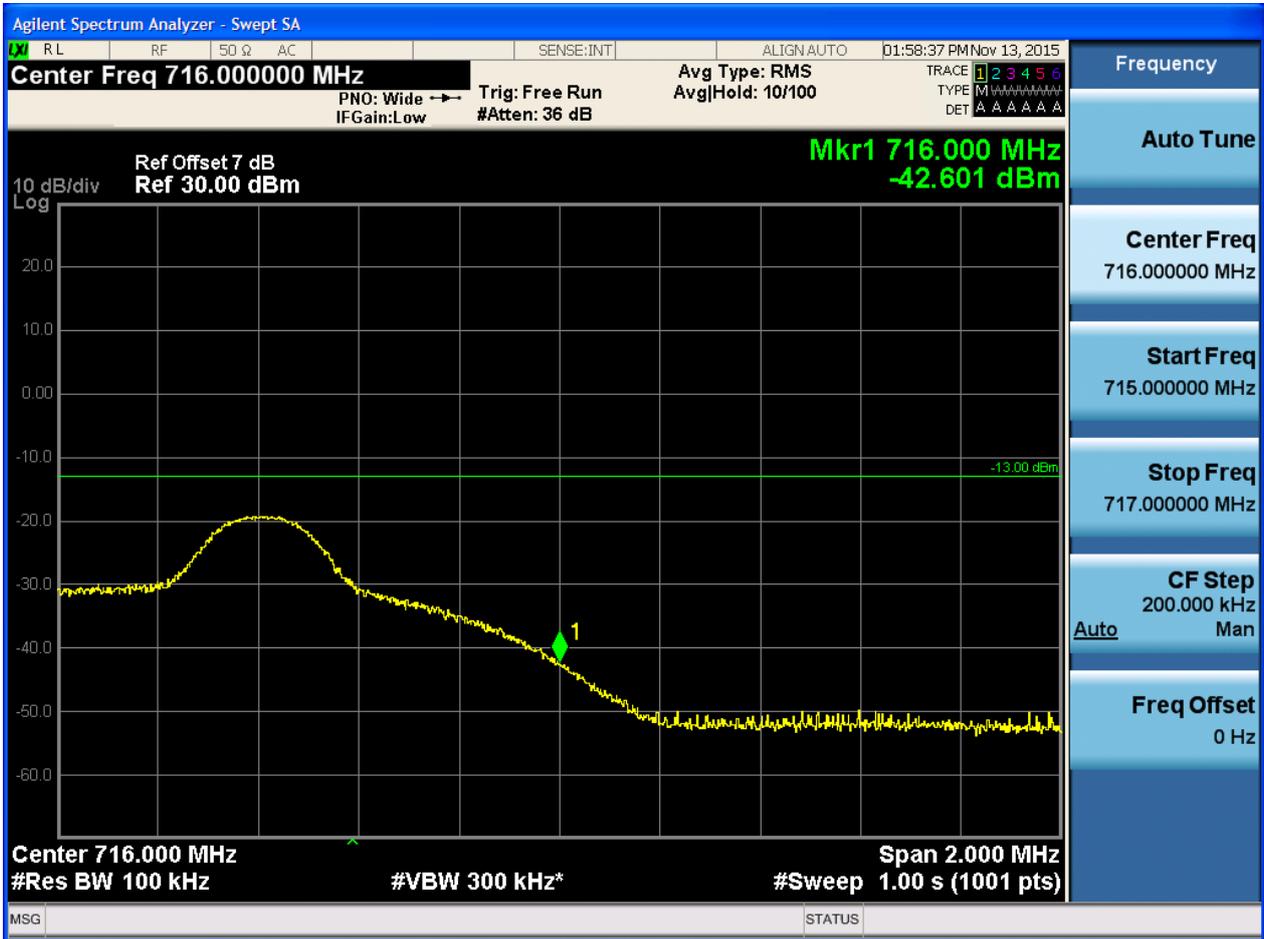
5.1.1.2.2.1.4 Test RB = RB50#0





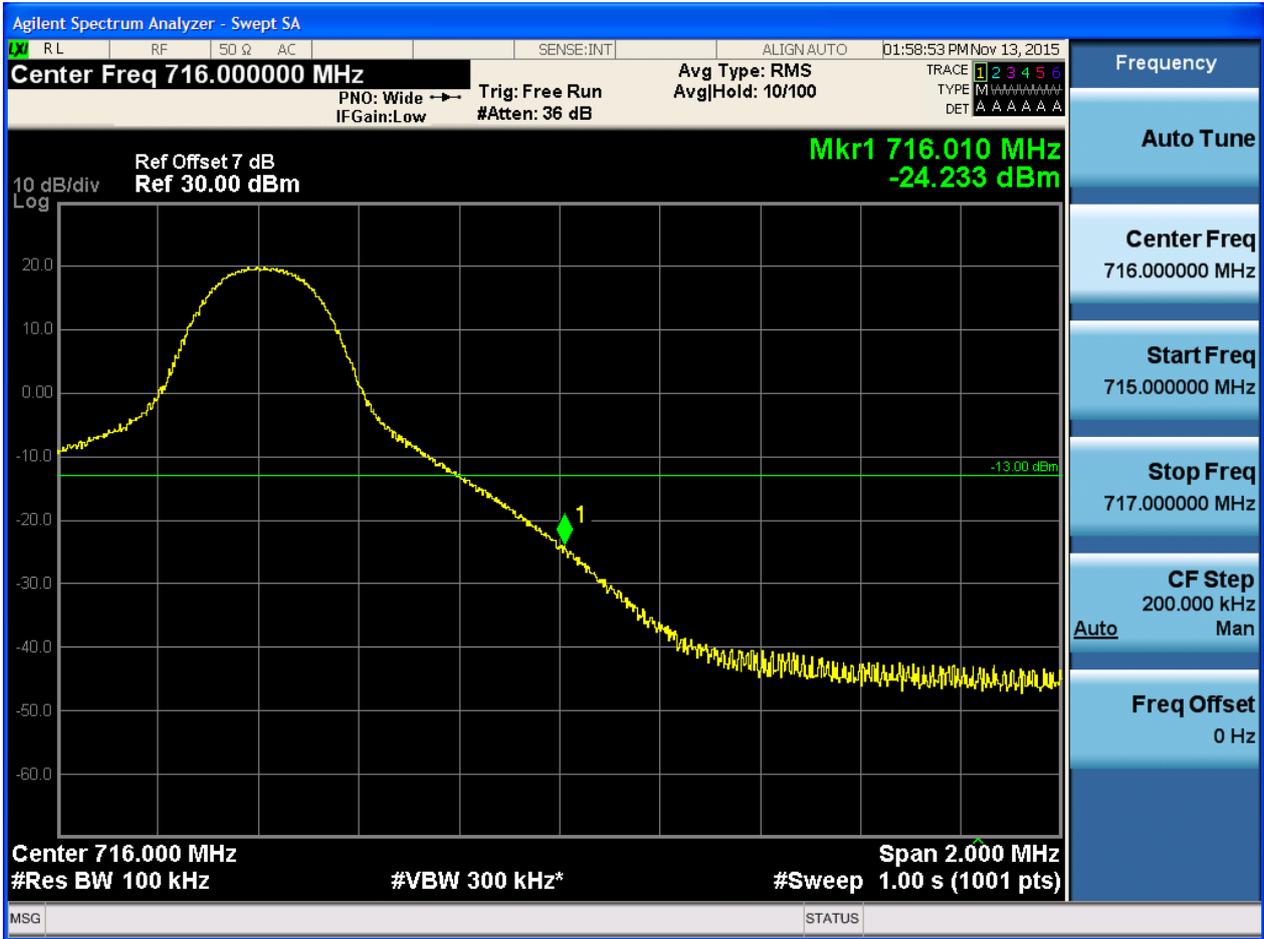
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



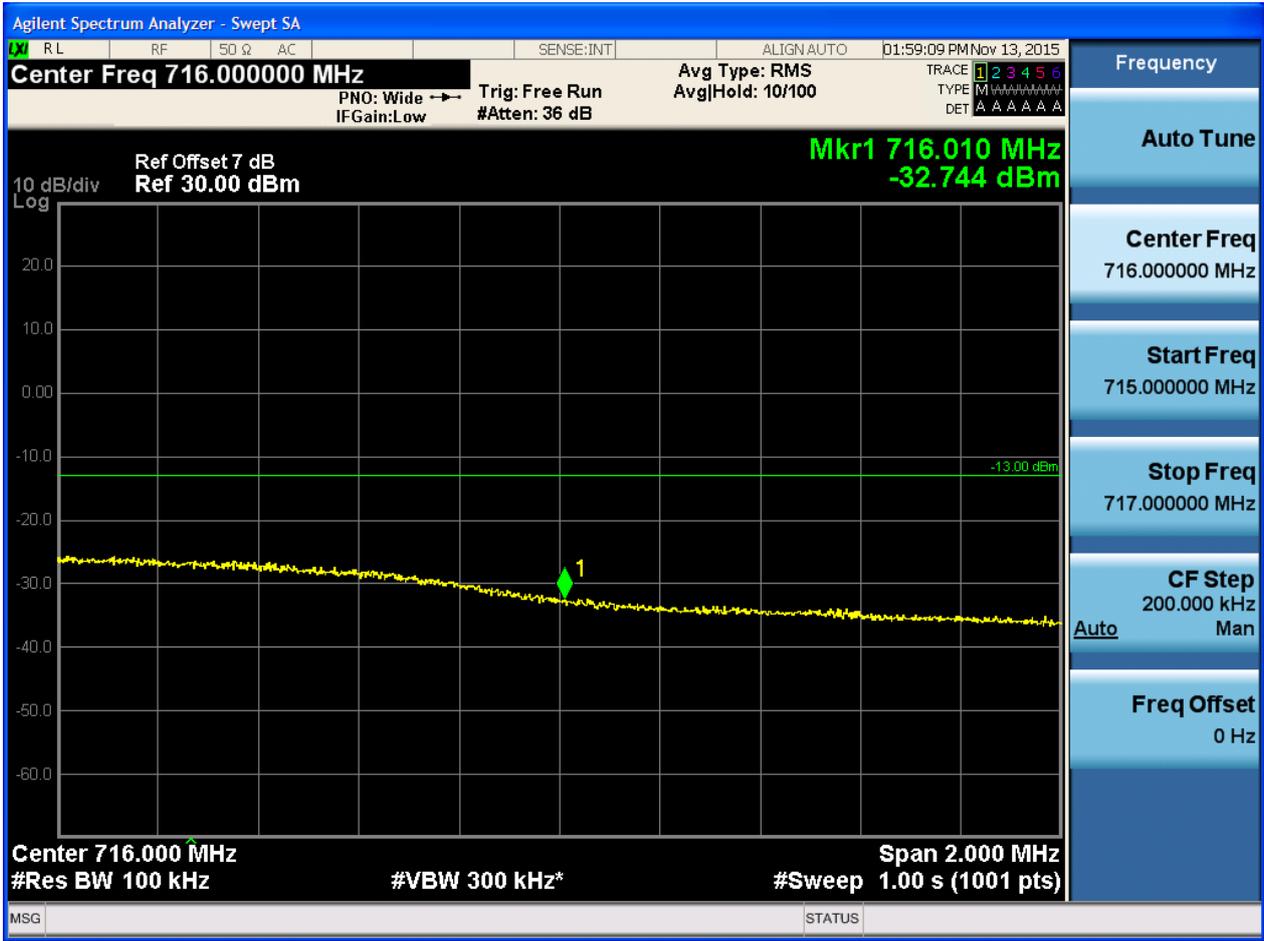


5.1.1.2.2.2 Test RB = RB1#49





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

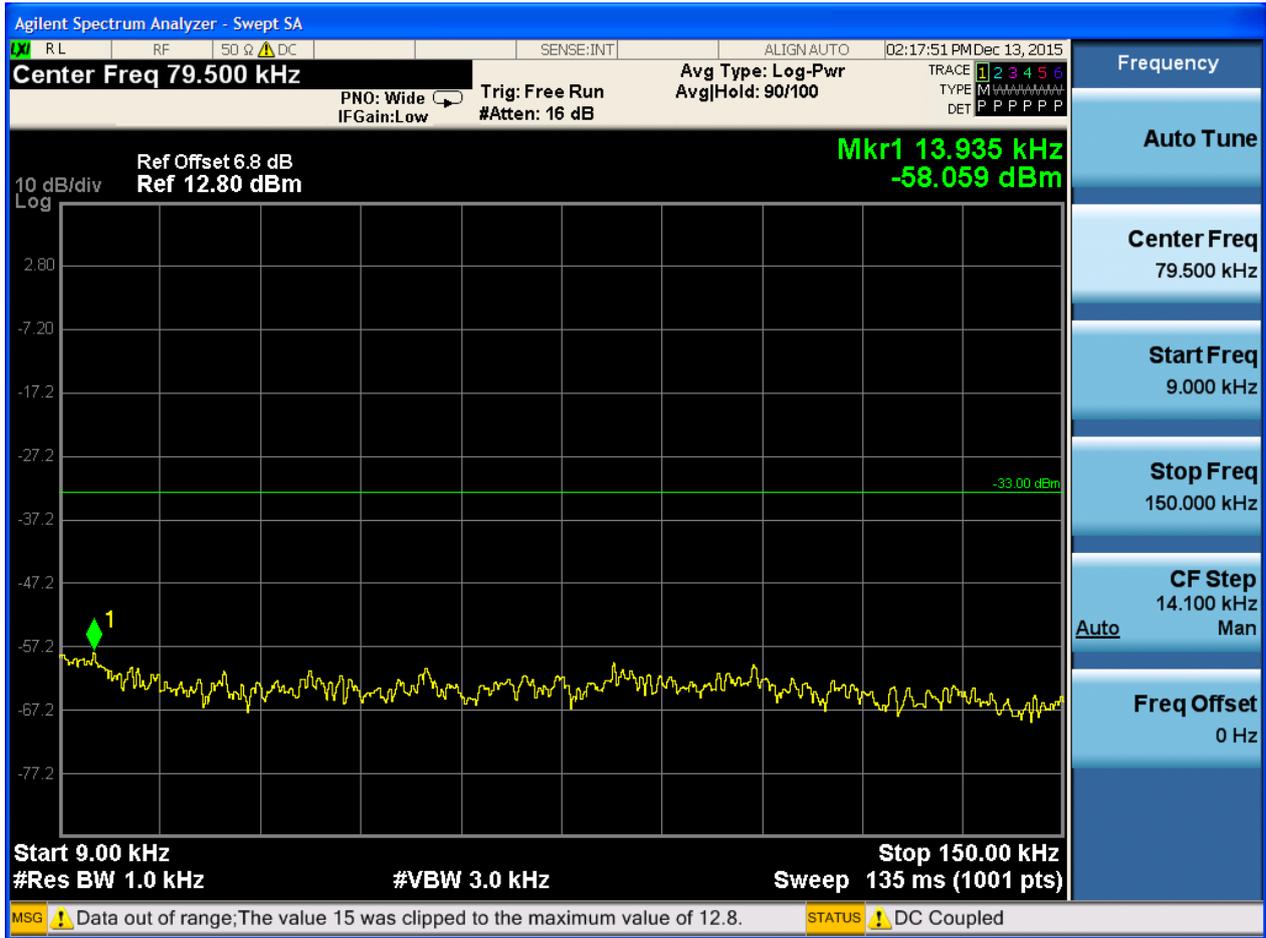
##### 6.1.1 Test Band = BAND17

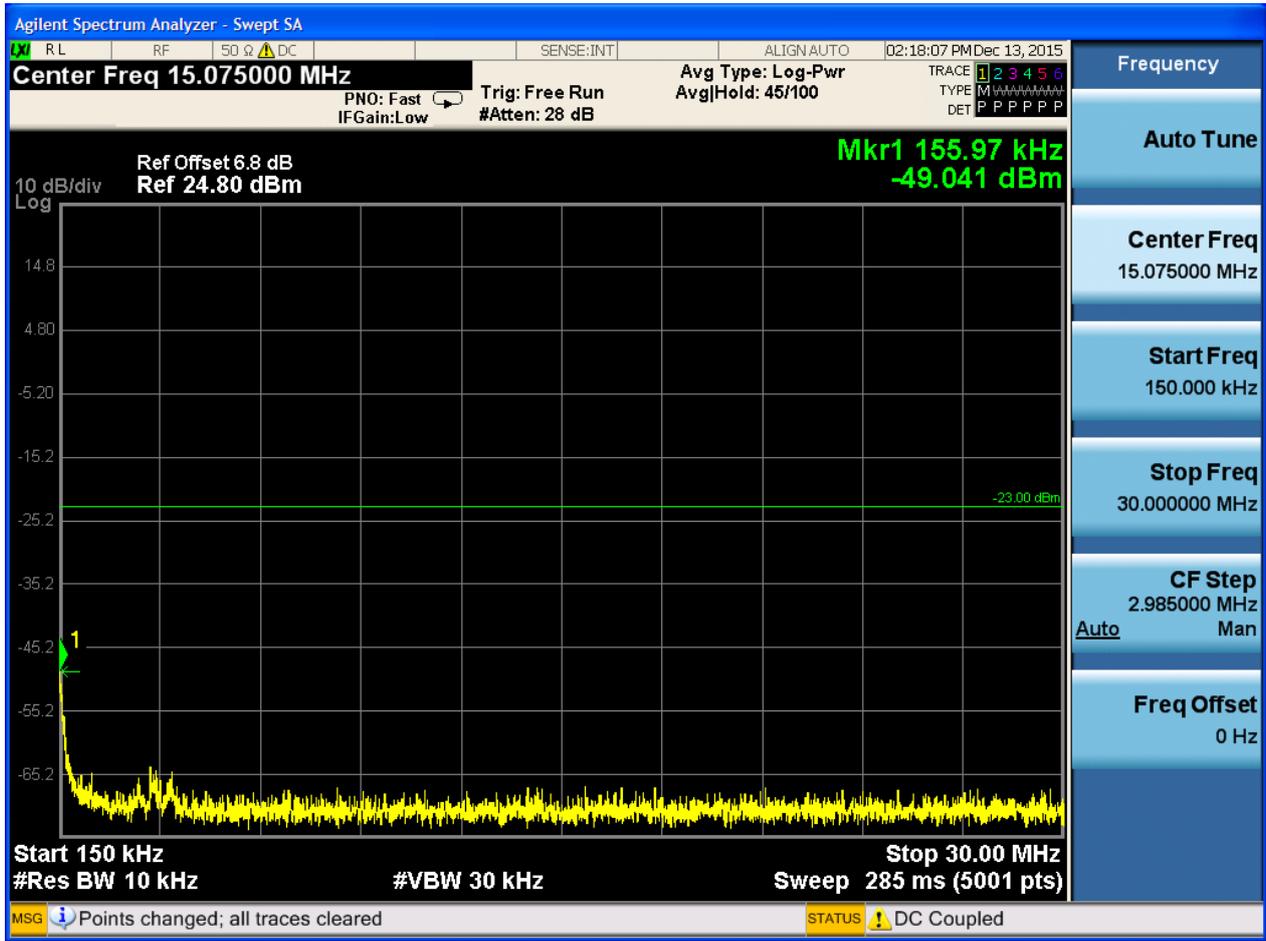
##### 6.1.1.1 Test Mode = LTE/TM1

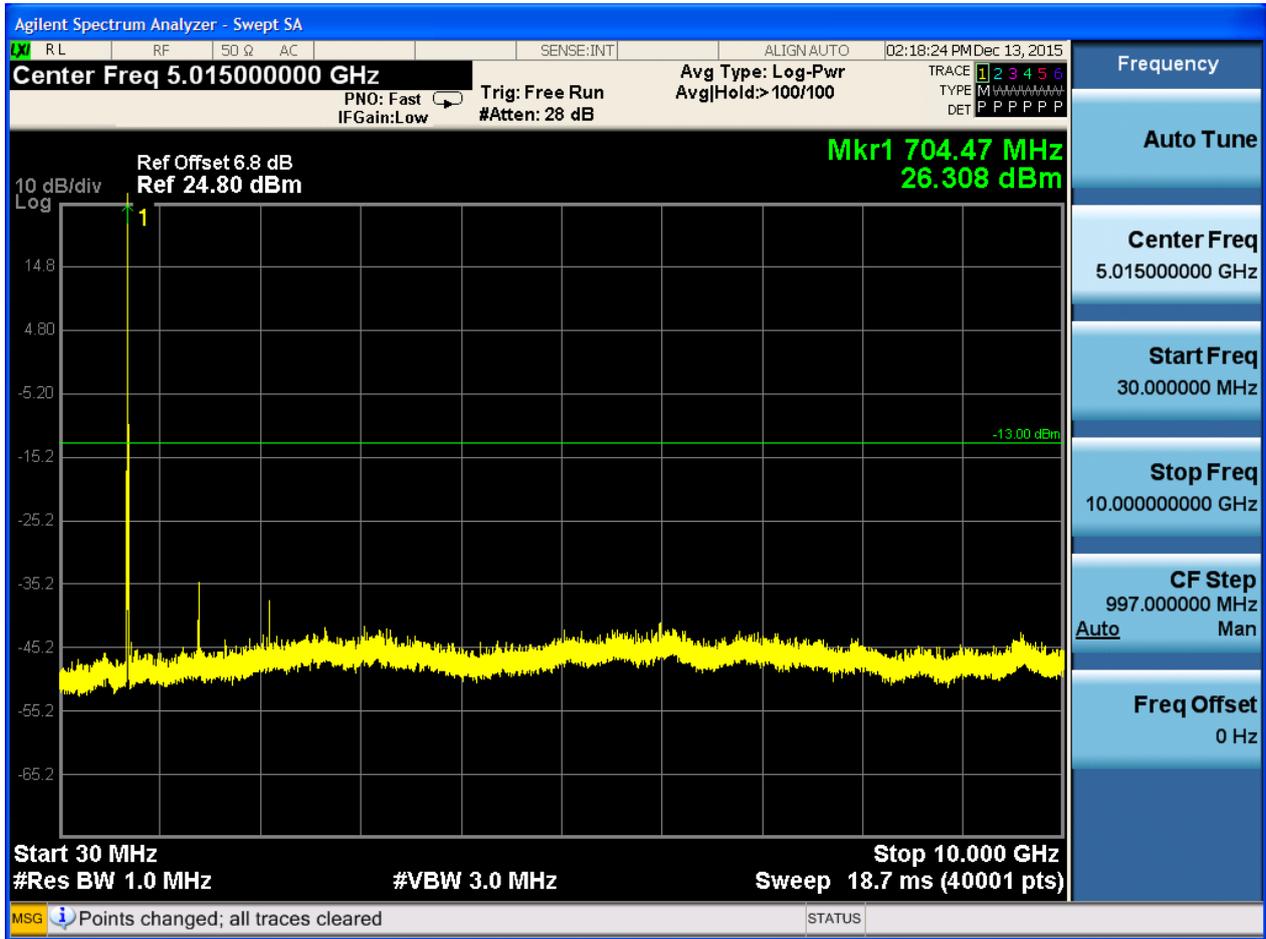
##### 6.1.1.1.1 Test Bandwidth = 5

##### 6.1.1.1.1.1 Test Channel = LCH

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



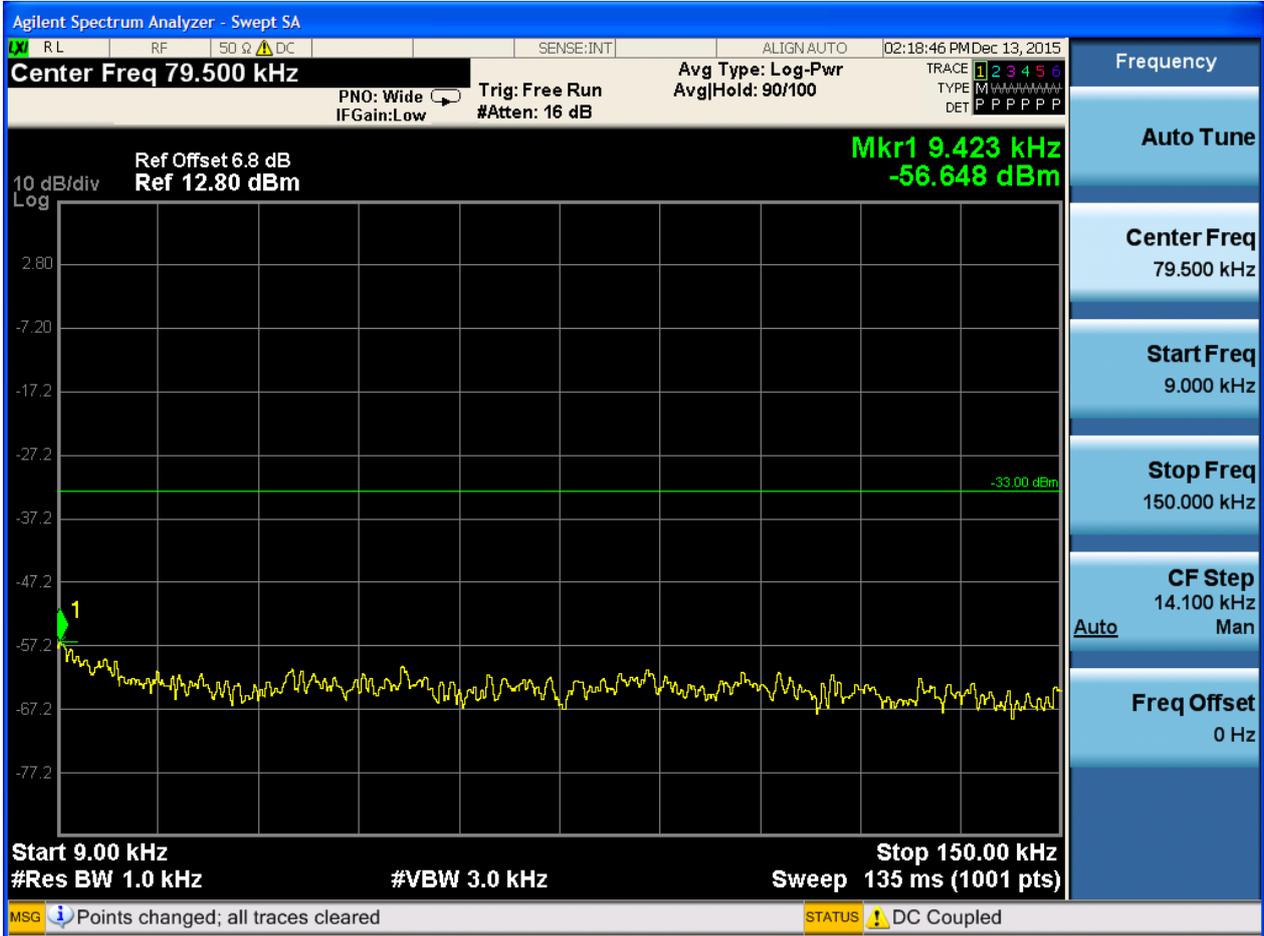


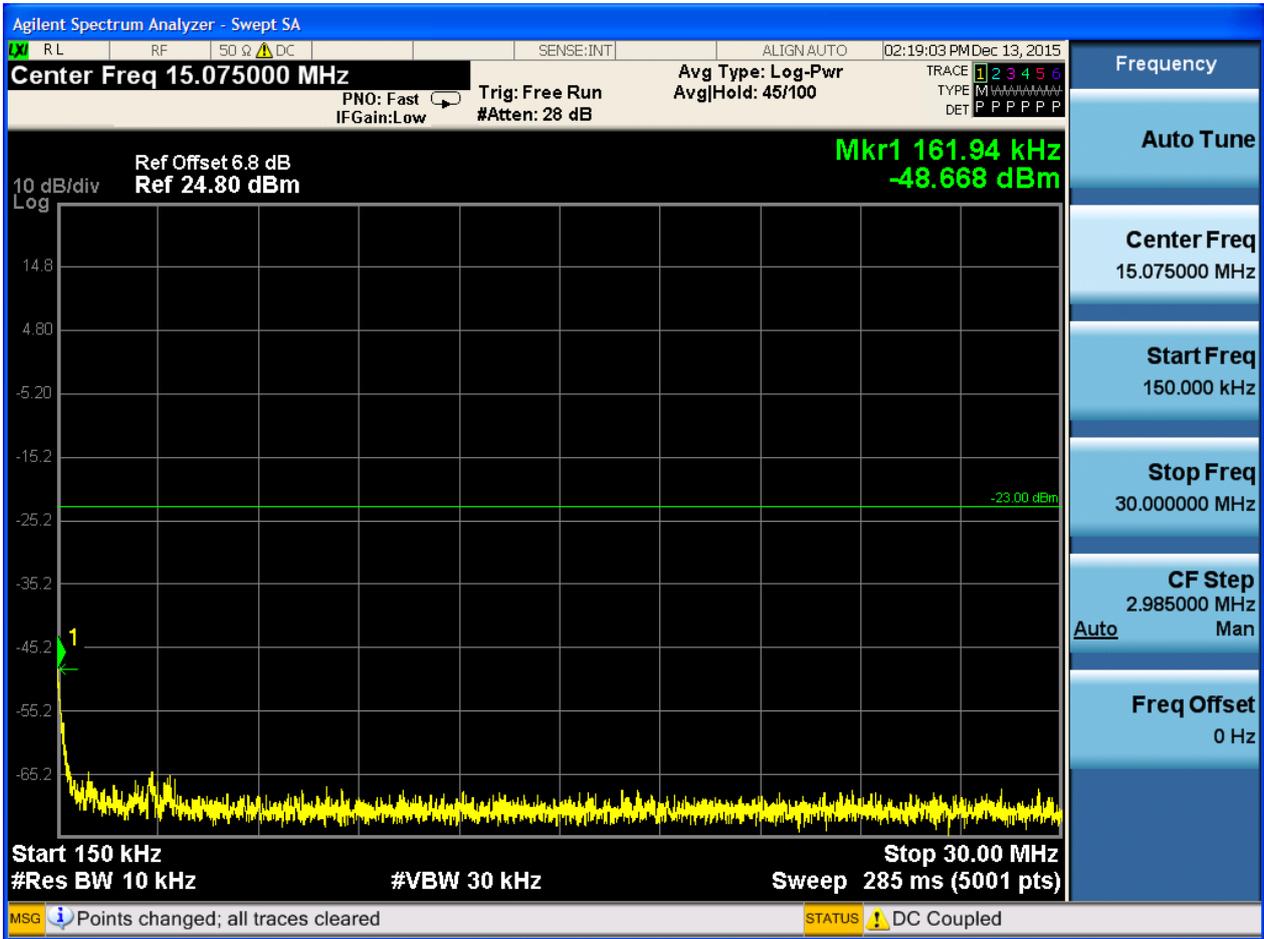


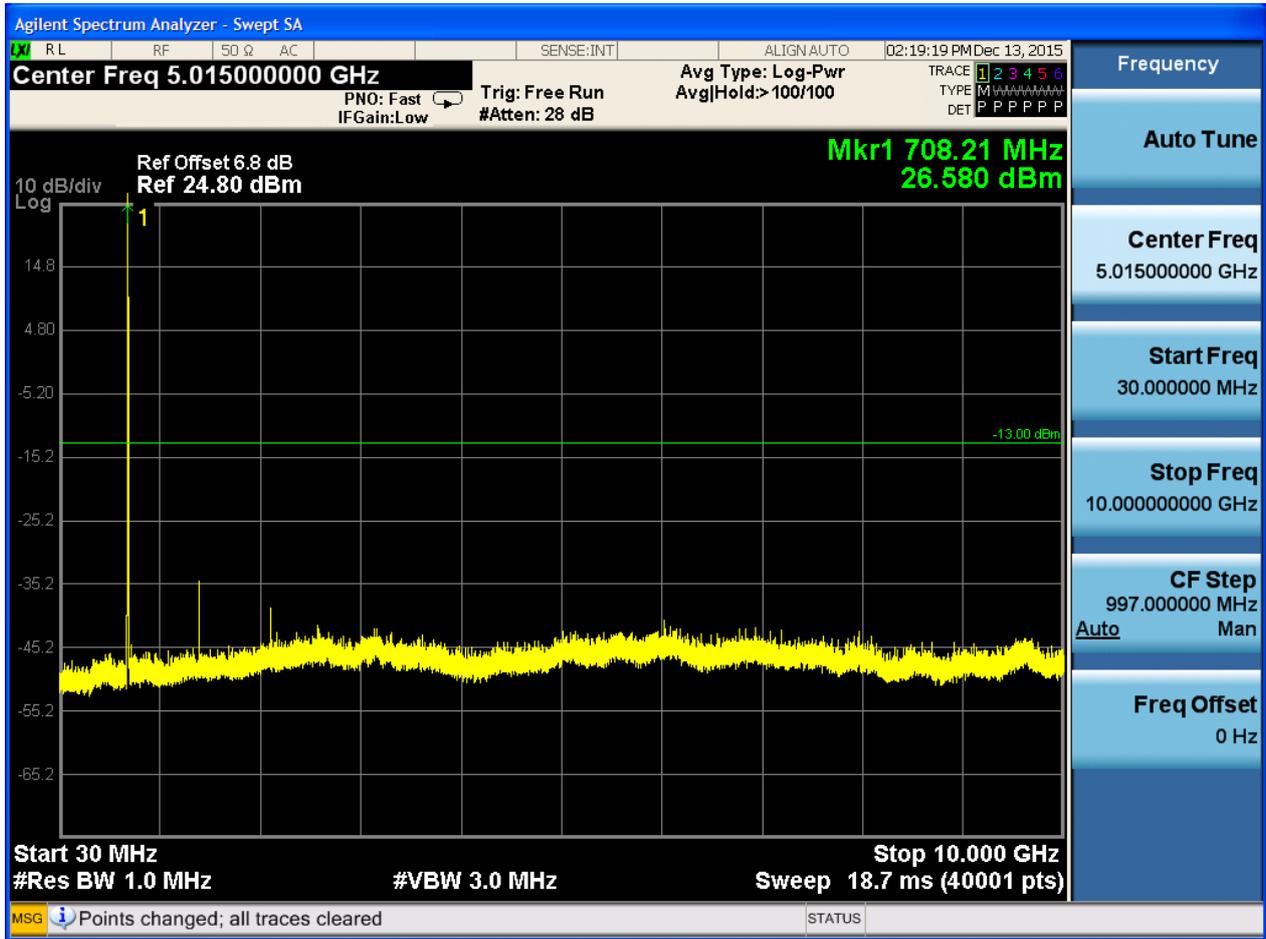


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



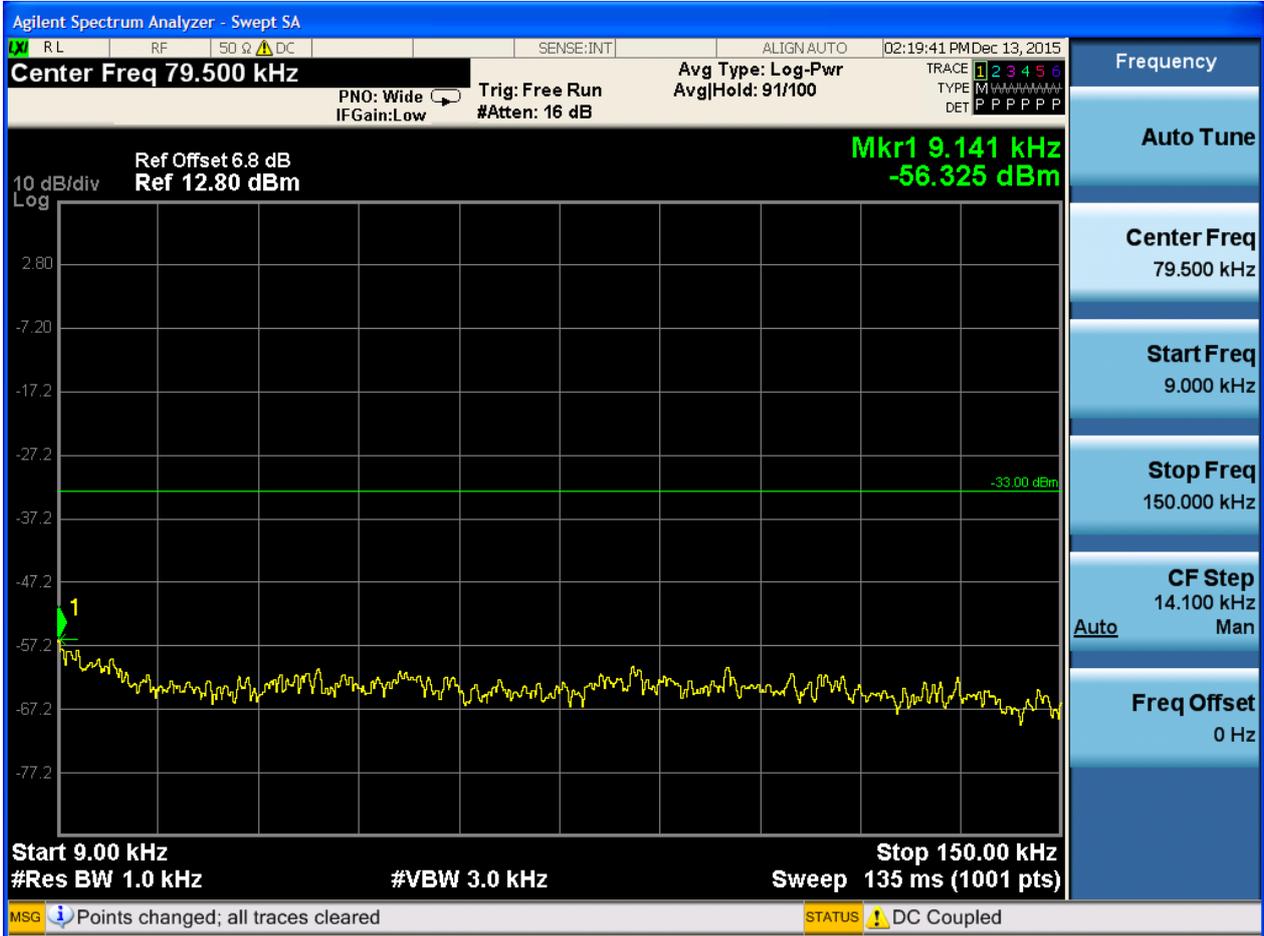


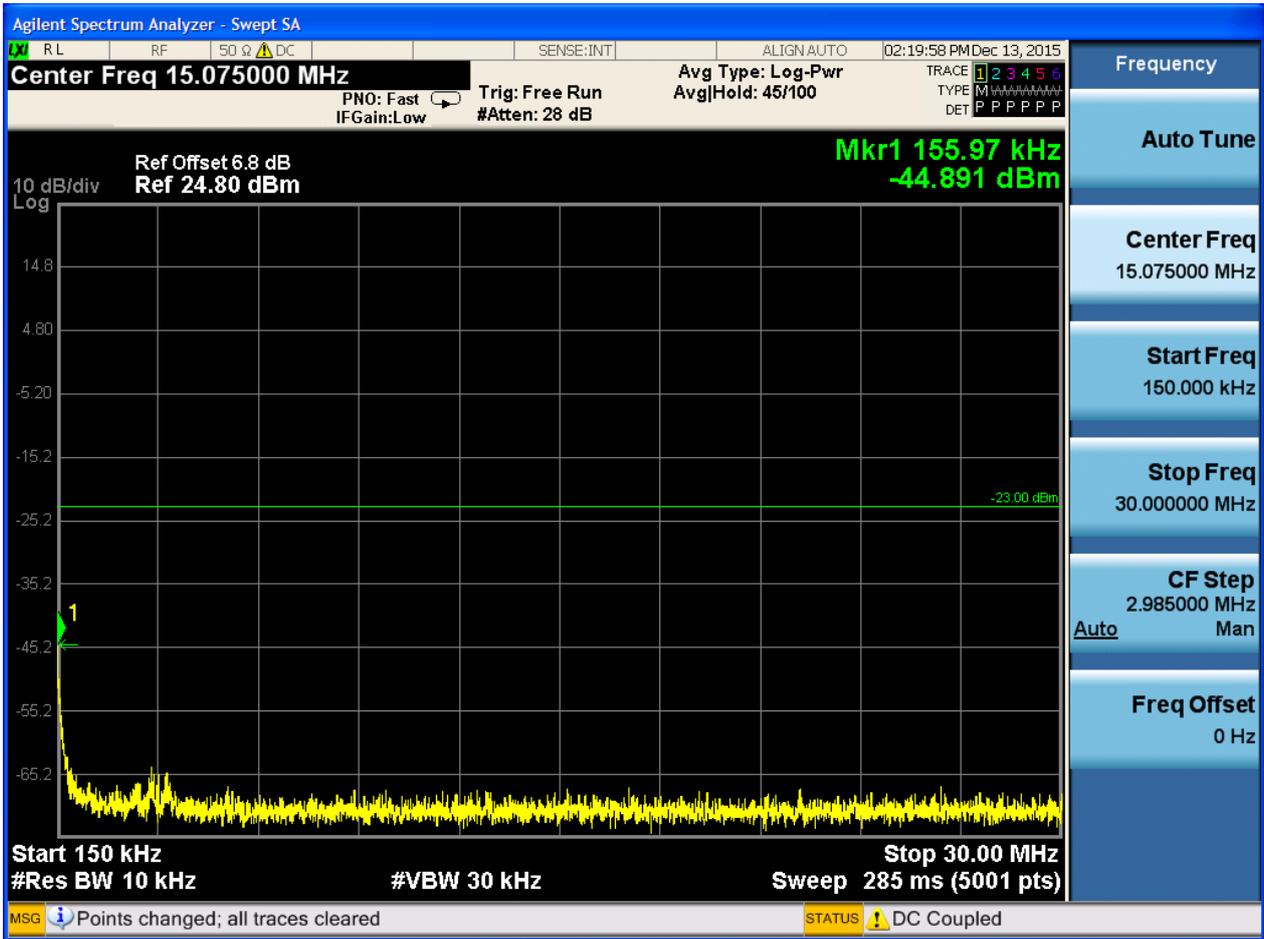


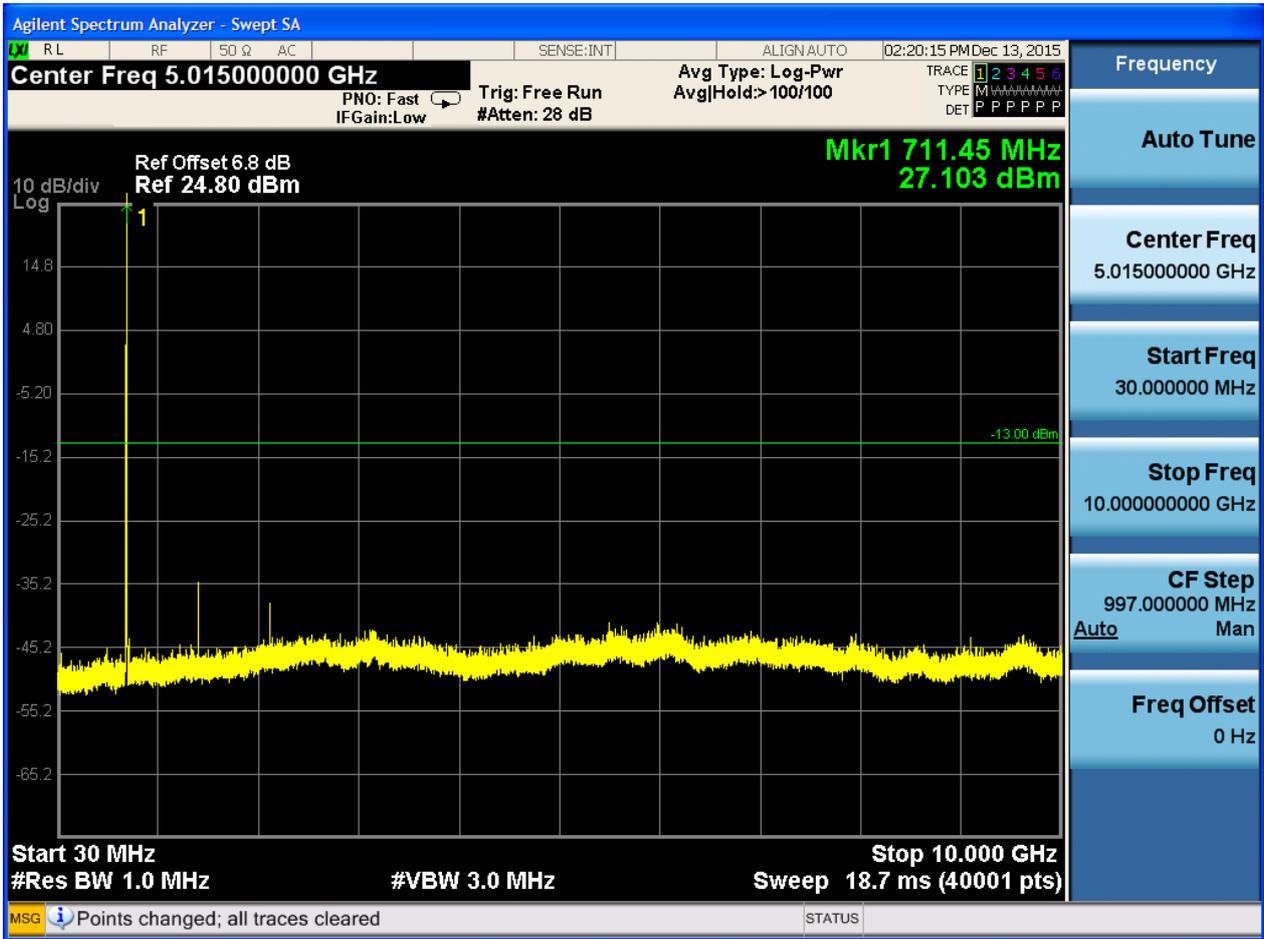


6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0





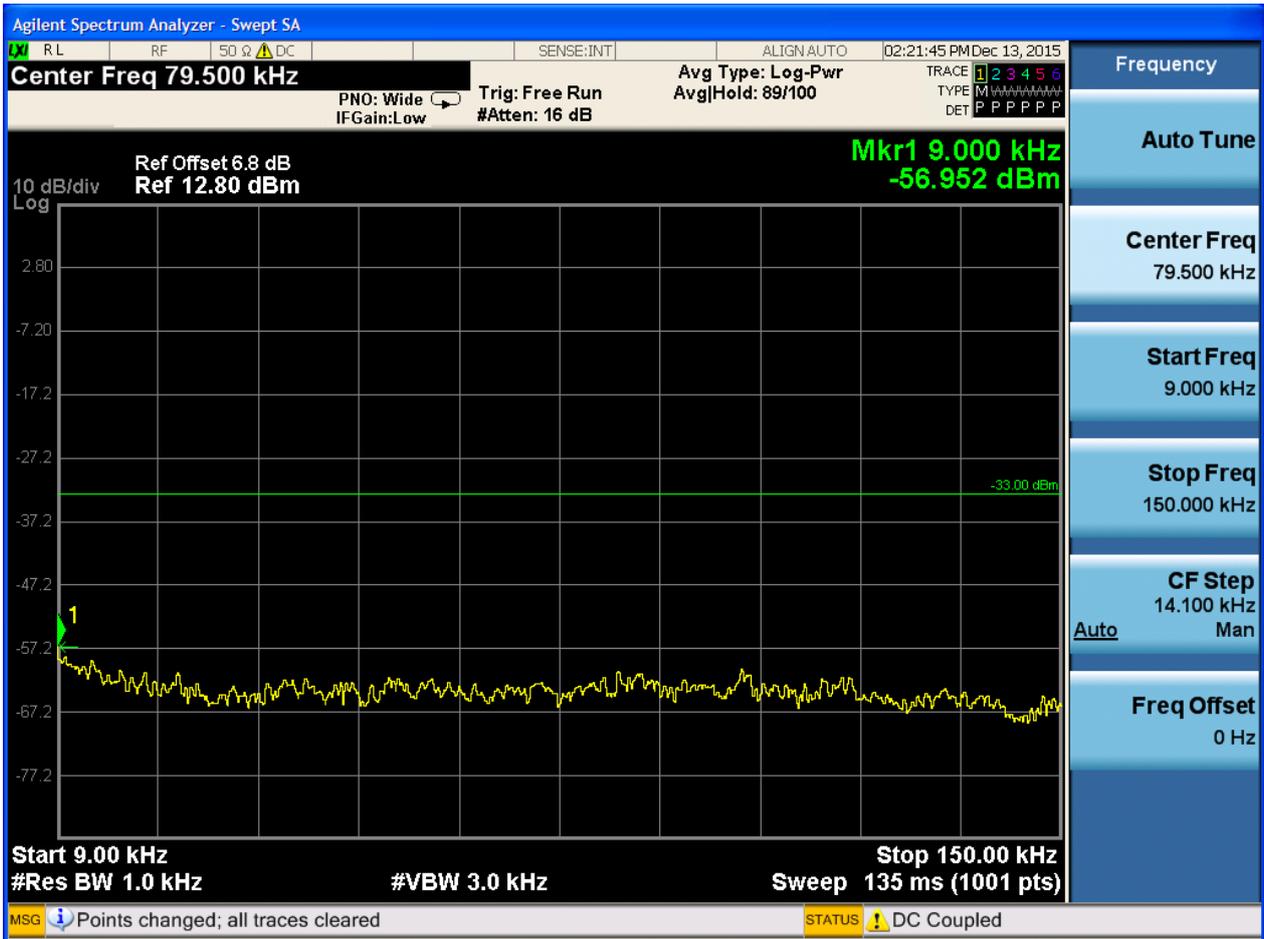




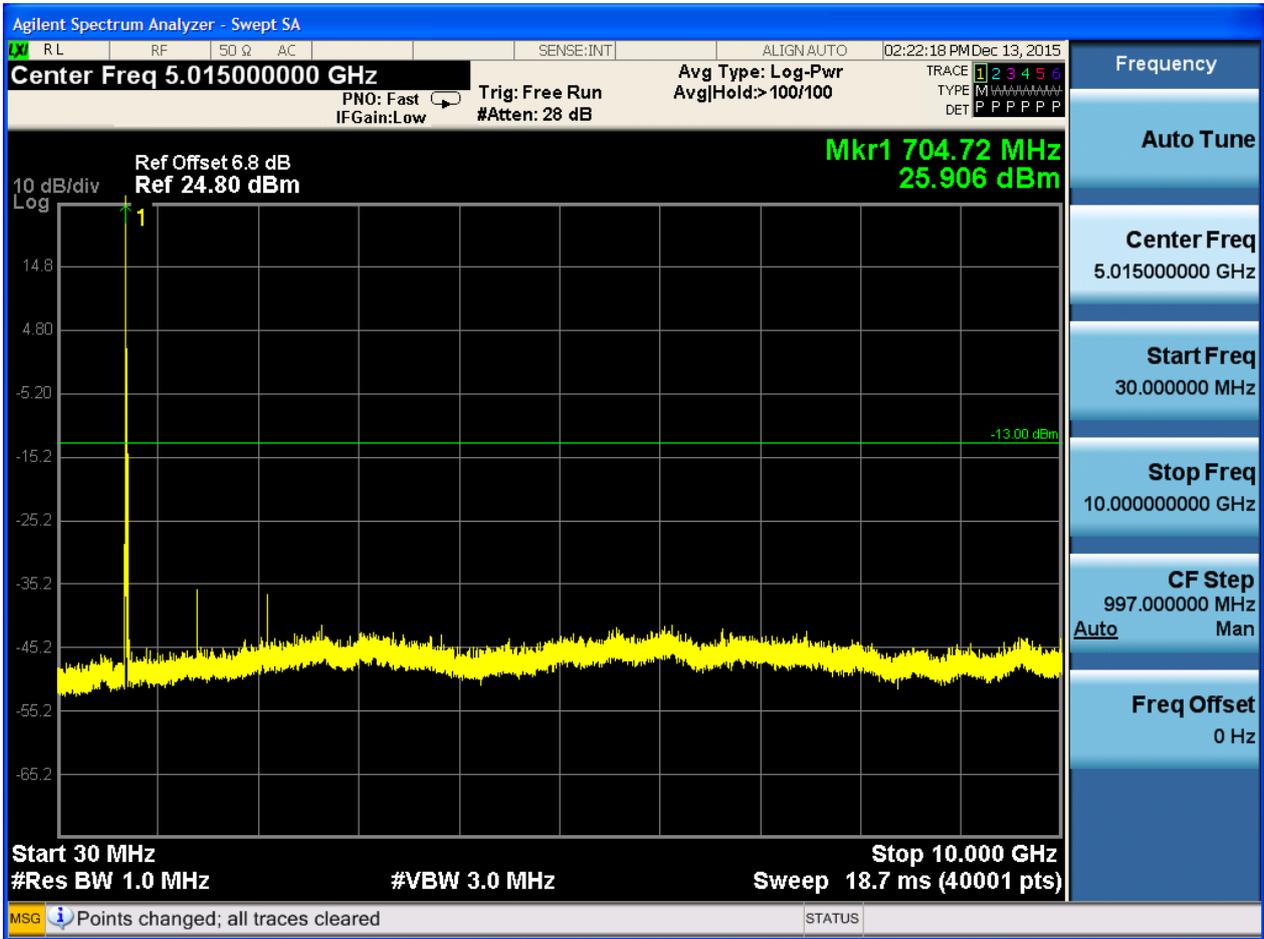
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



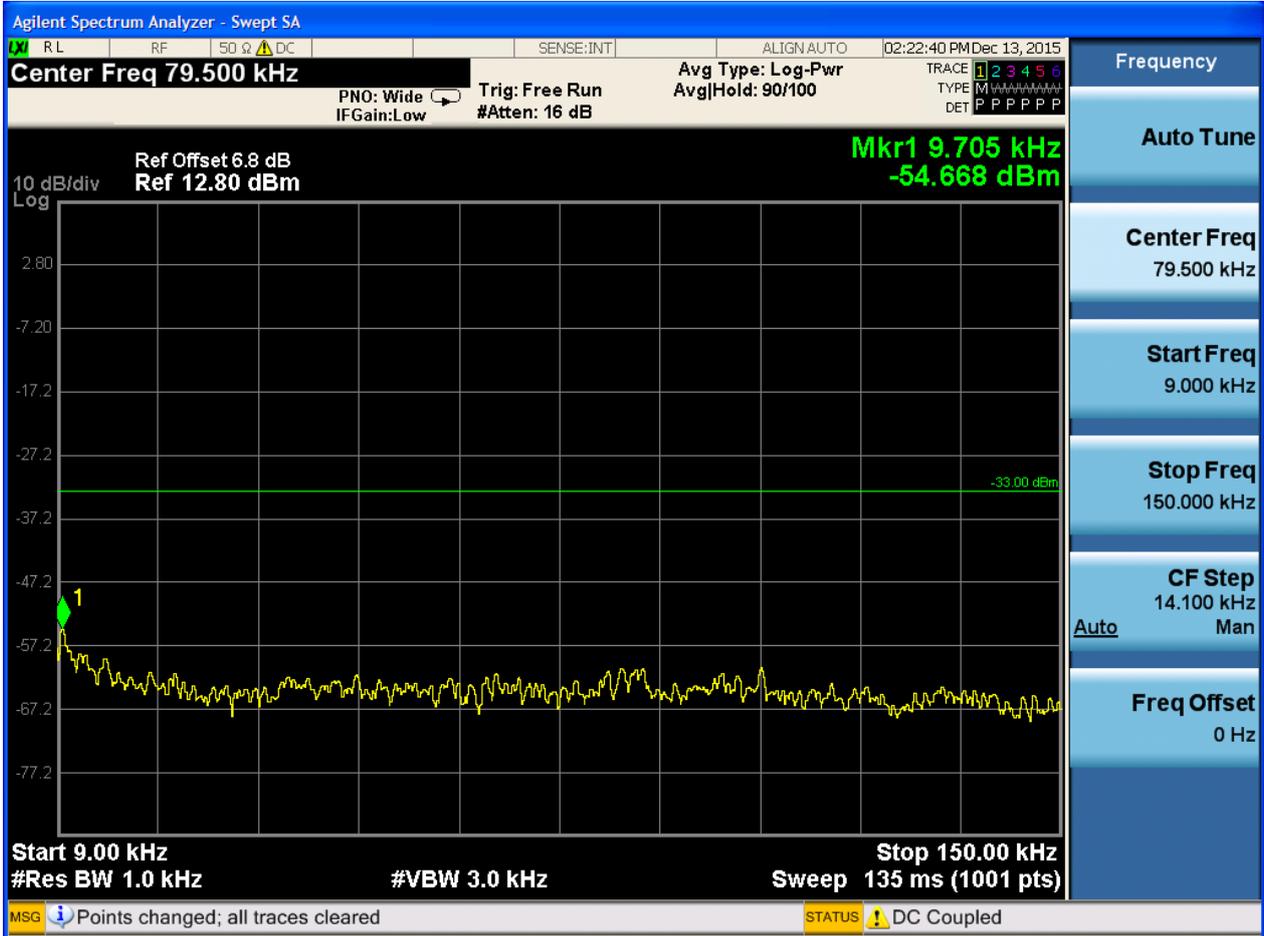




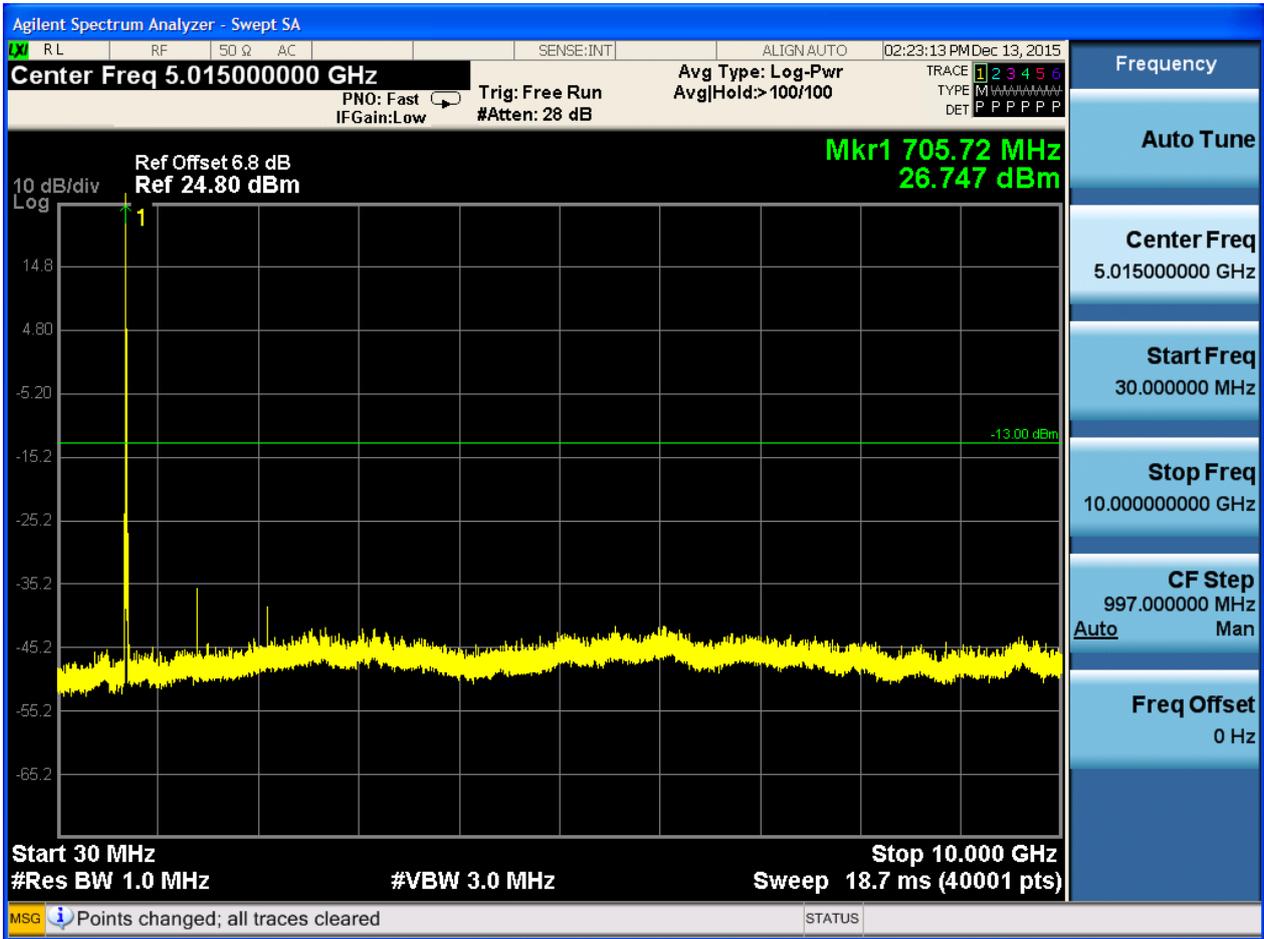


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



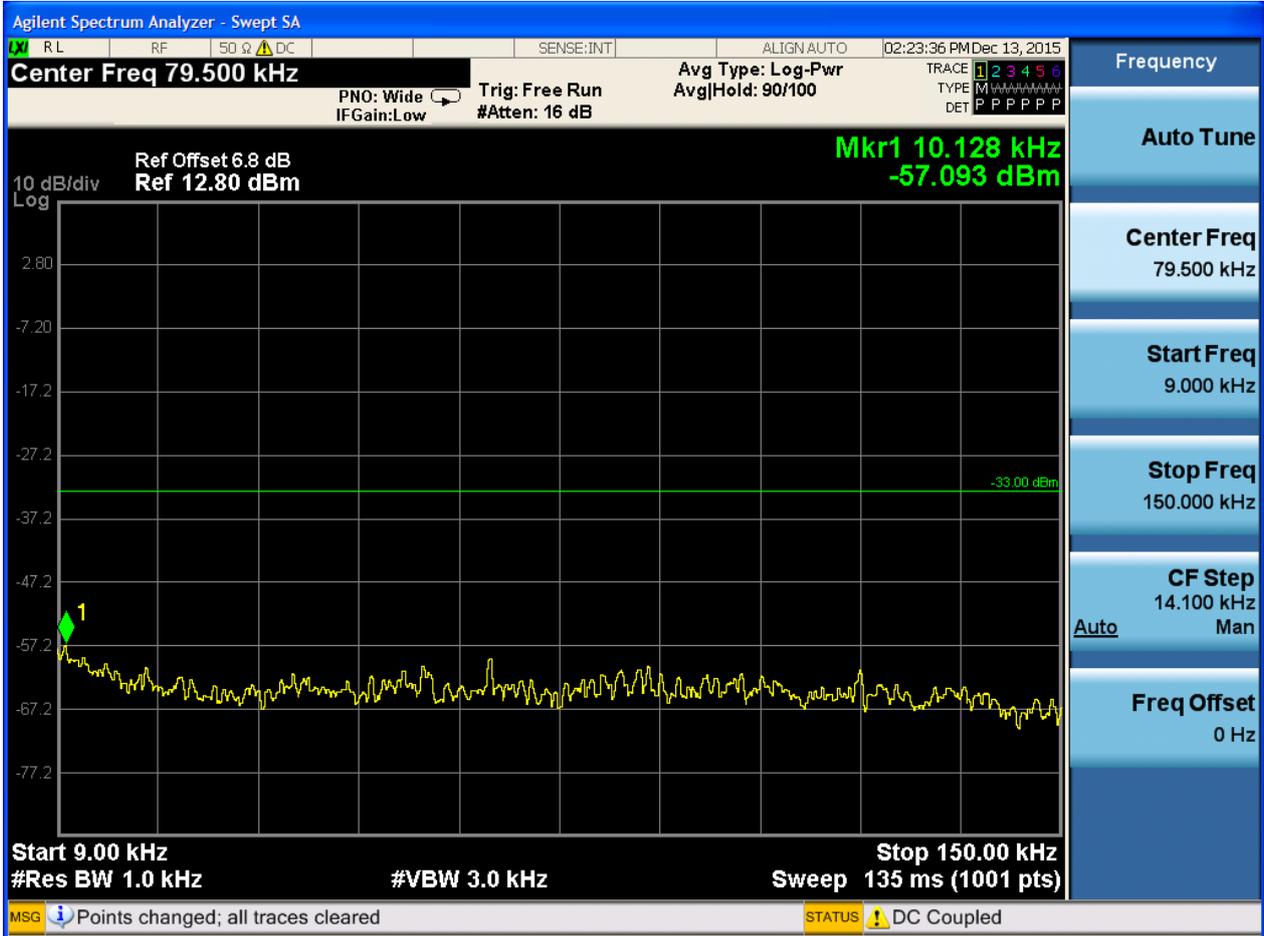


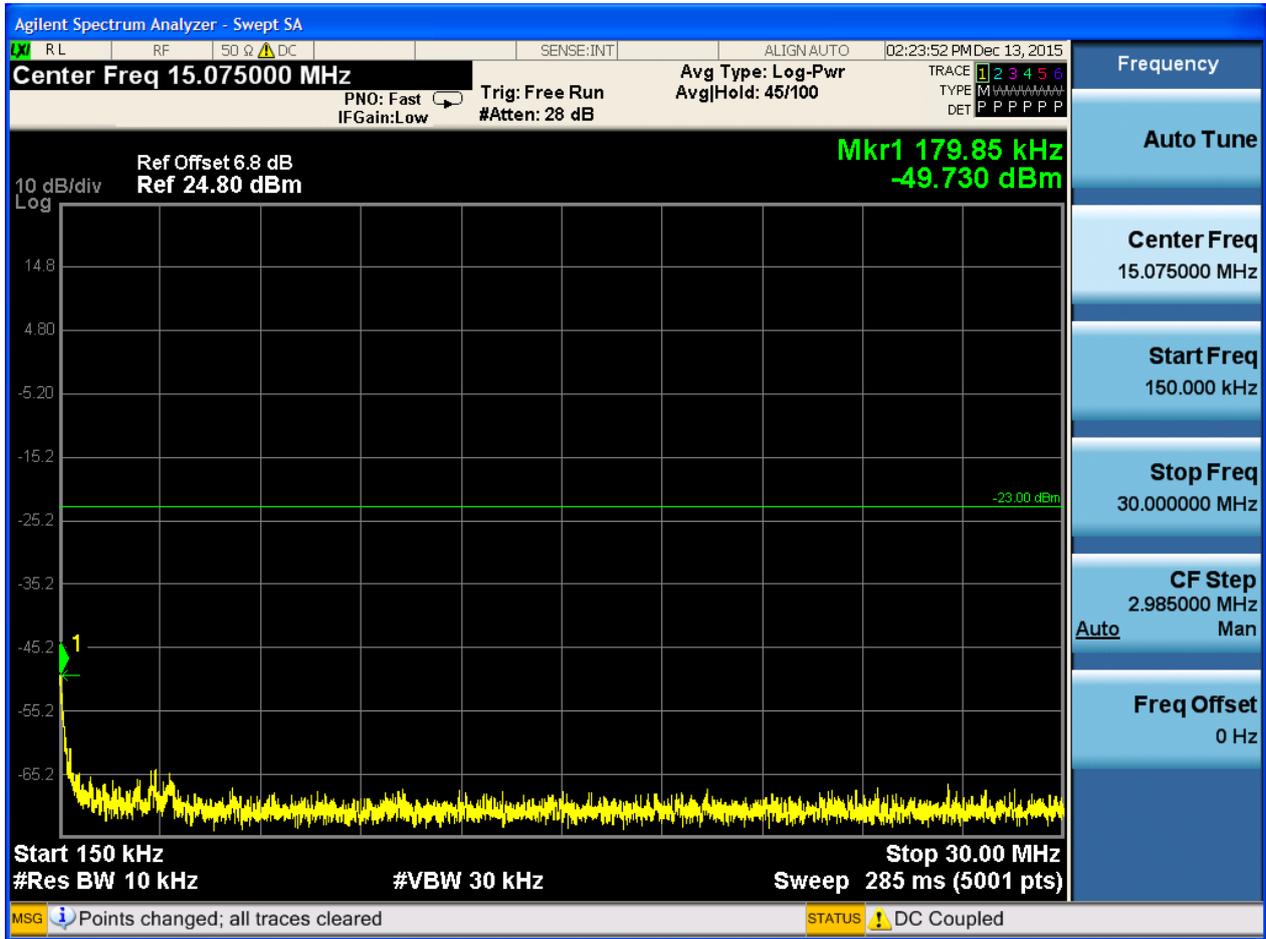


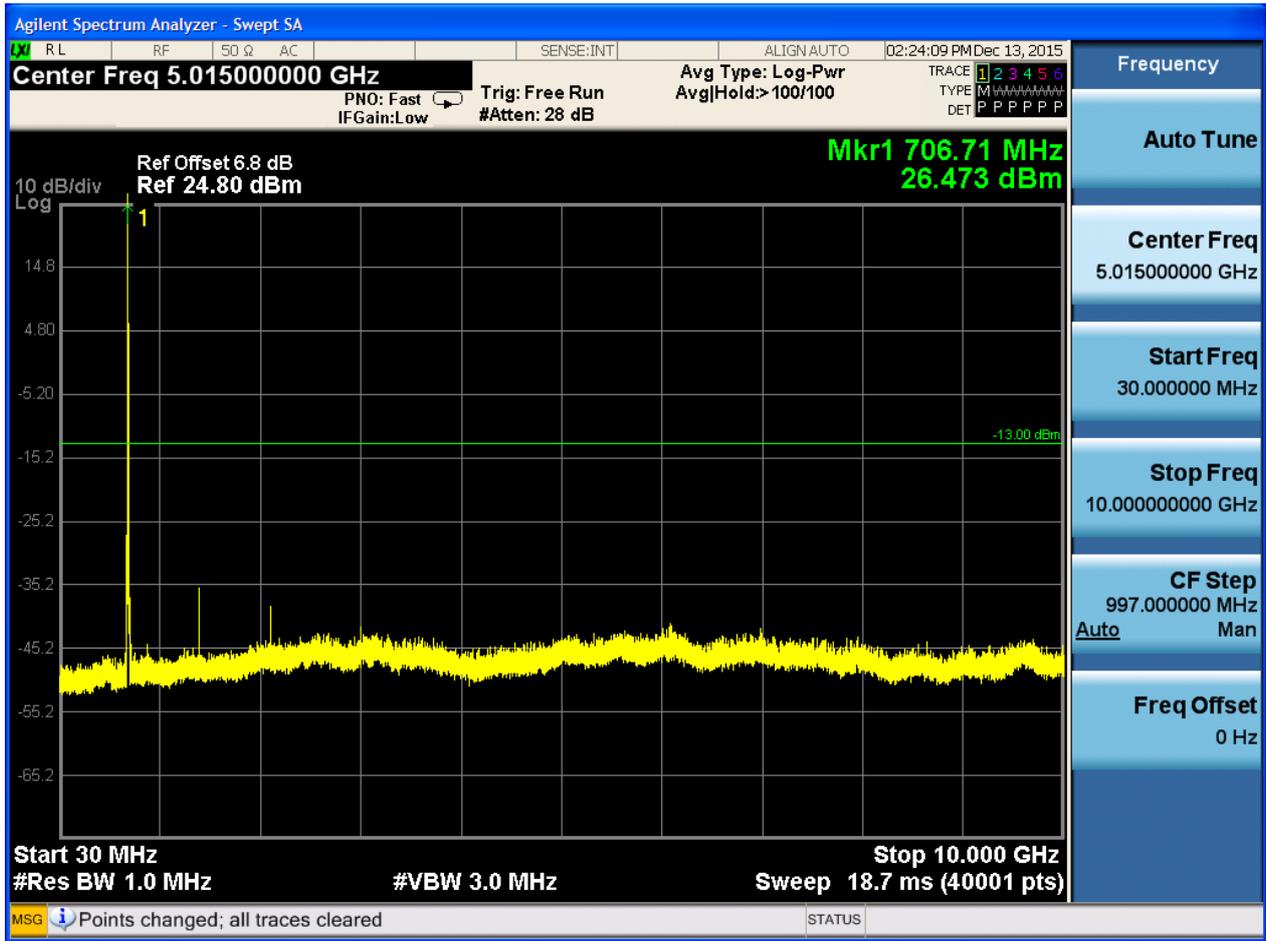


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







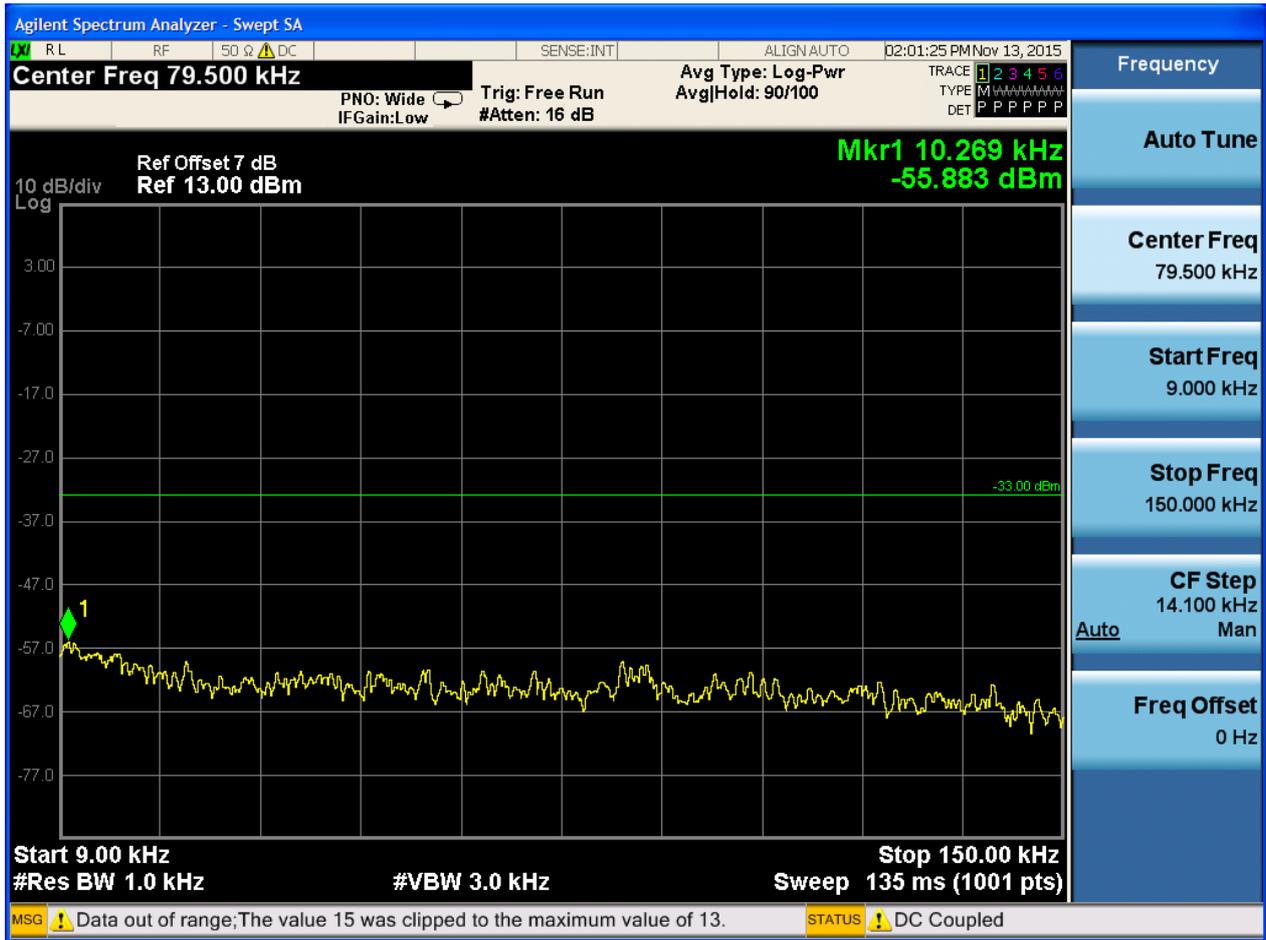


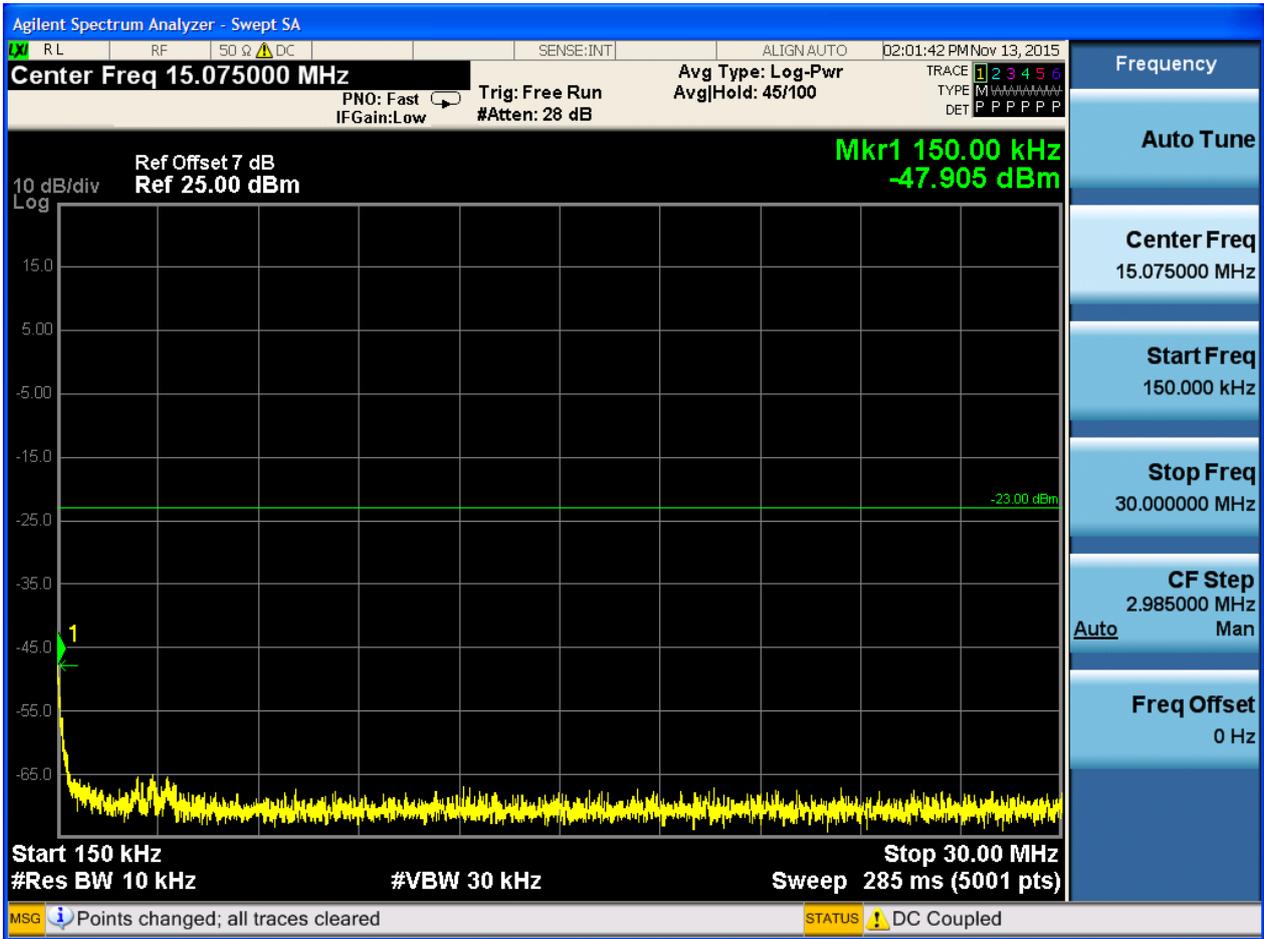
6.1.1.2 Test Mode = LTE/TM2

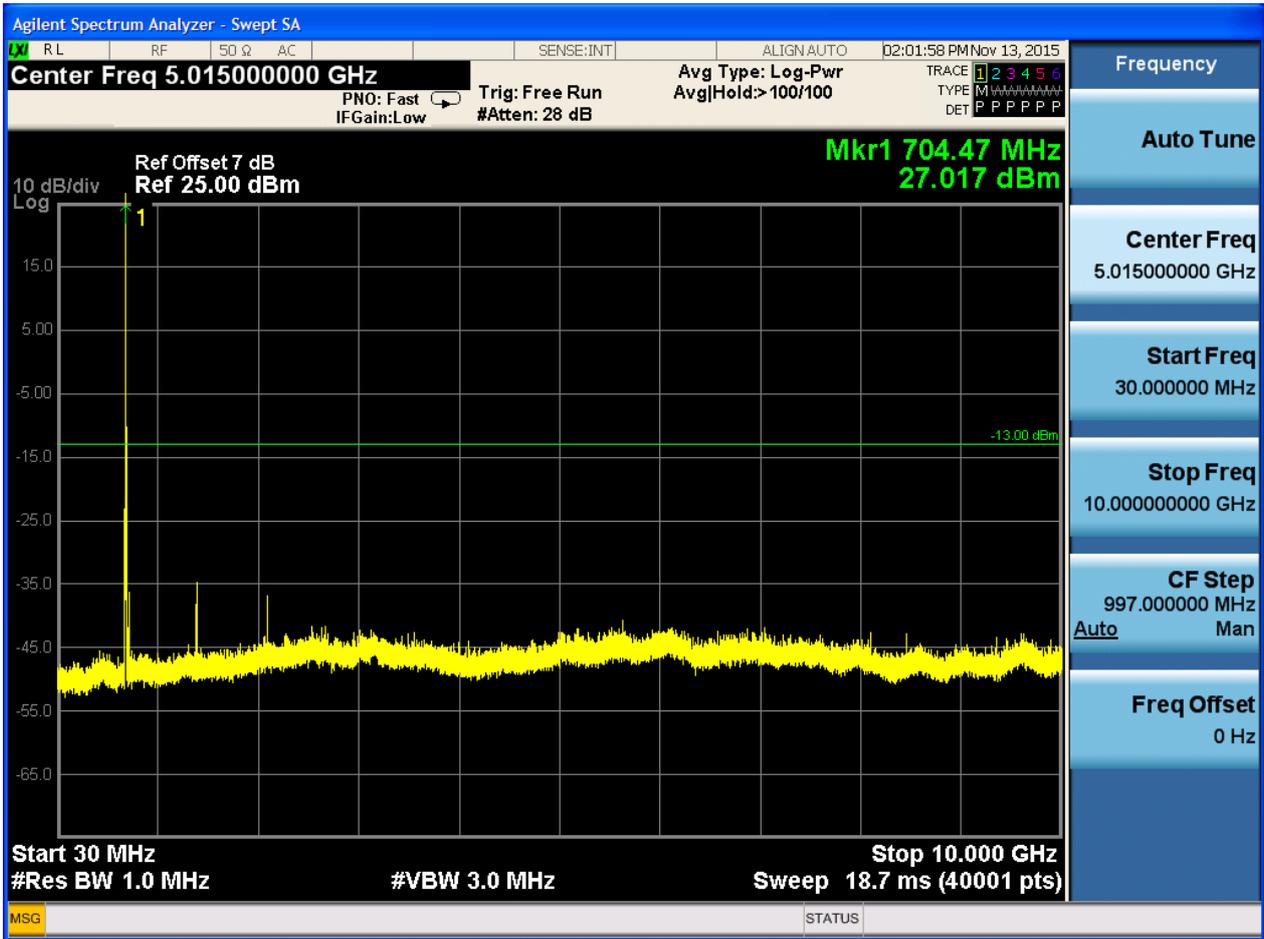
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



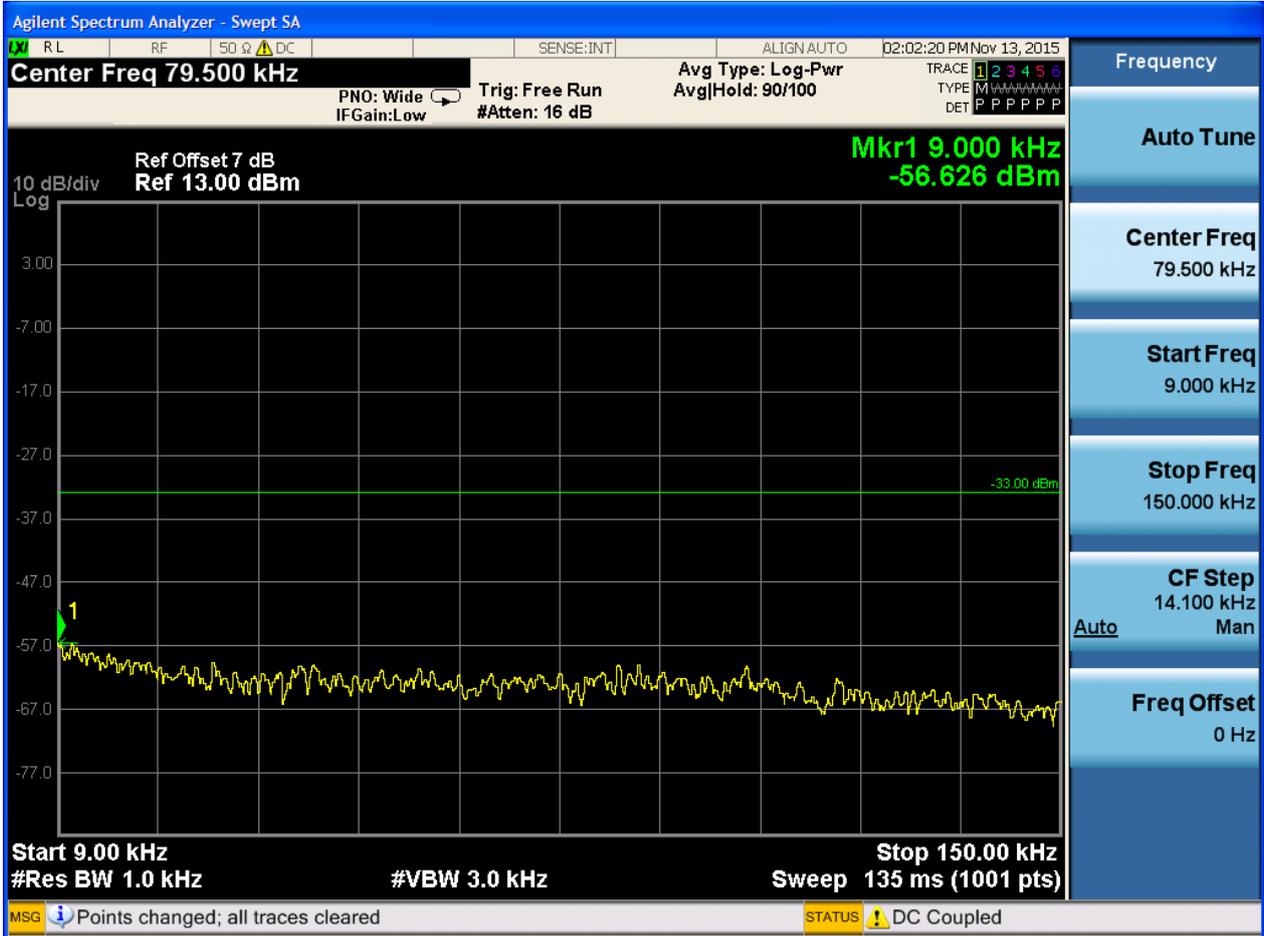




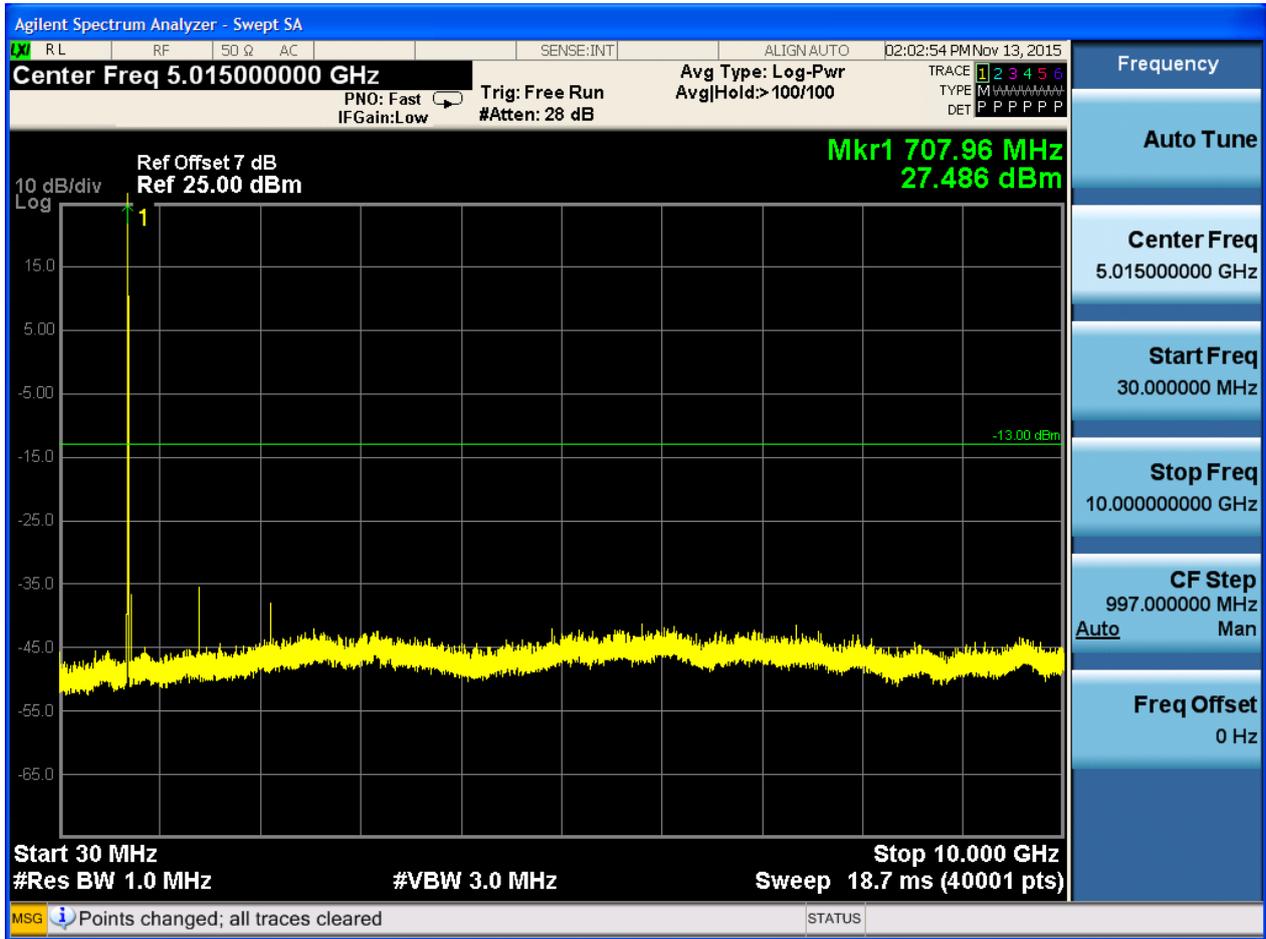


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



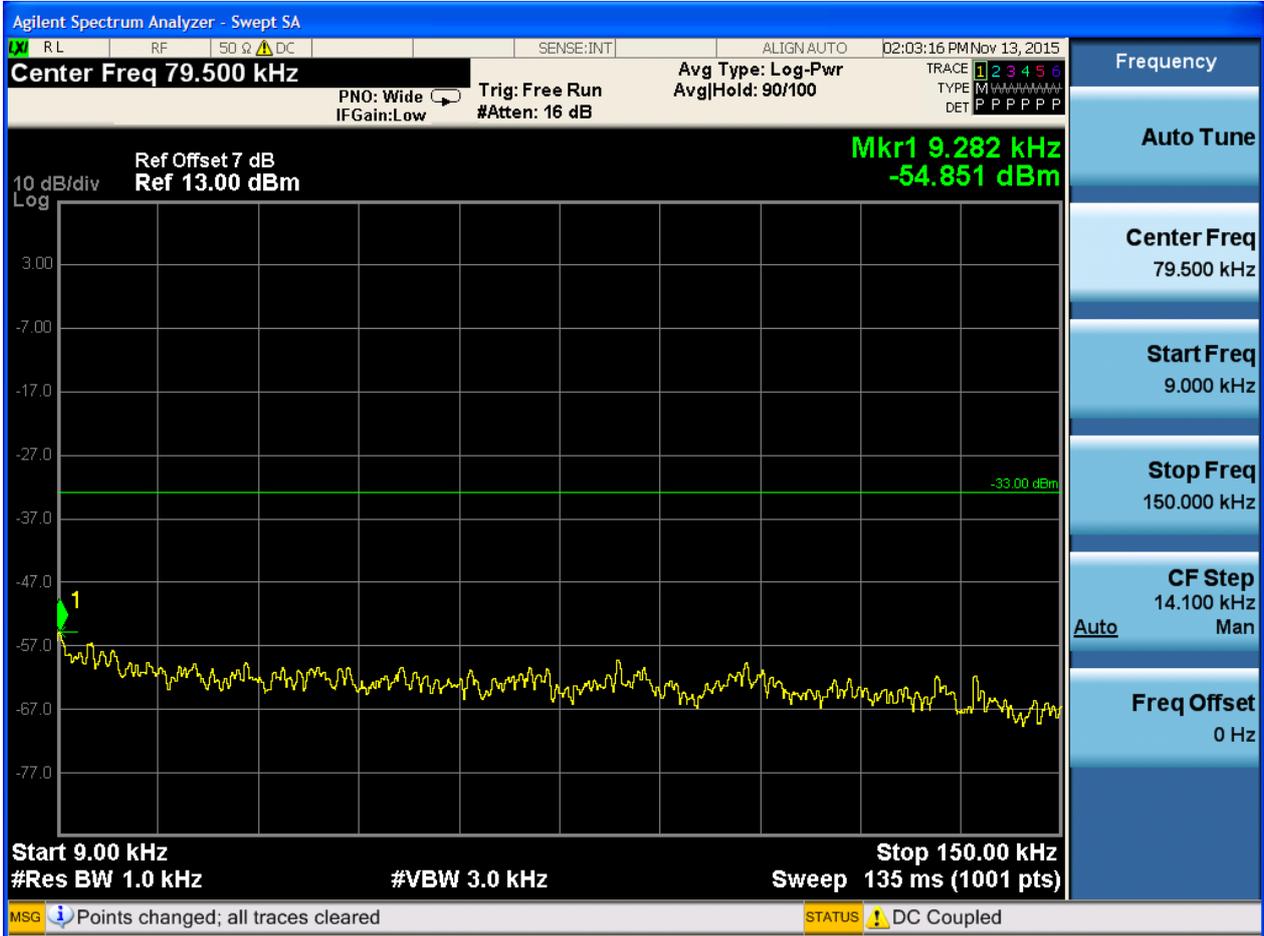


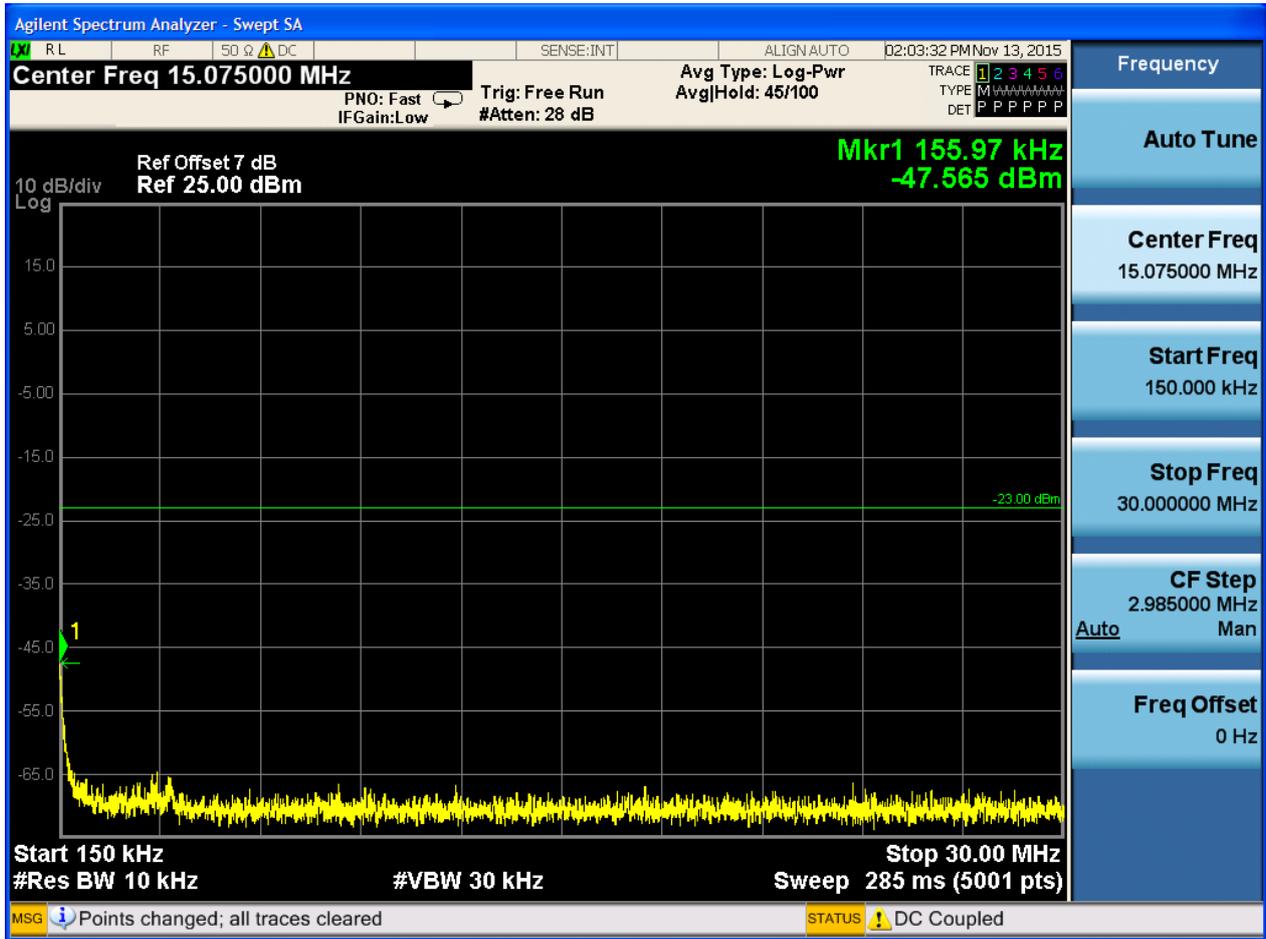


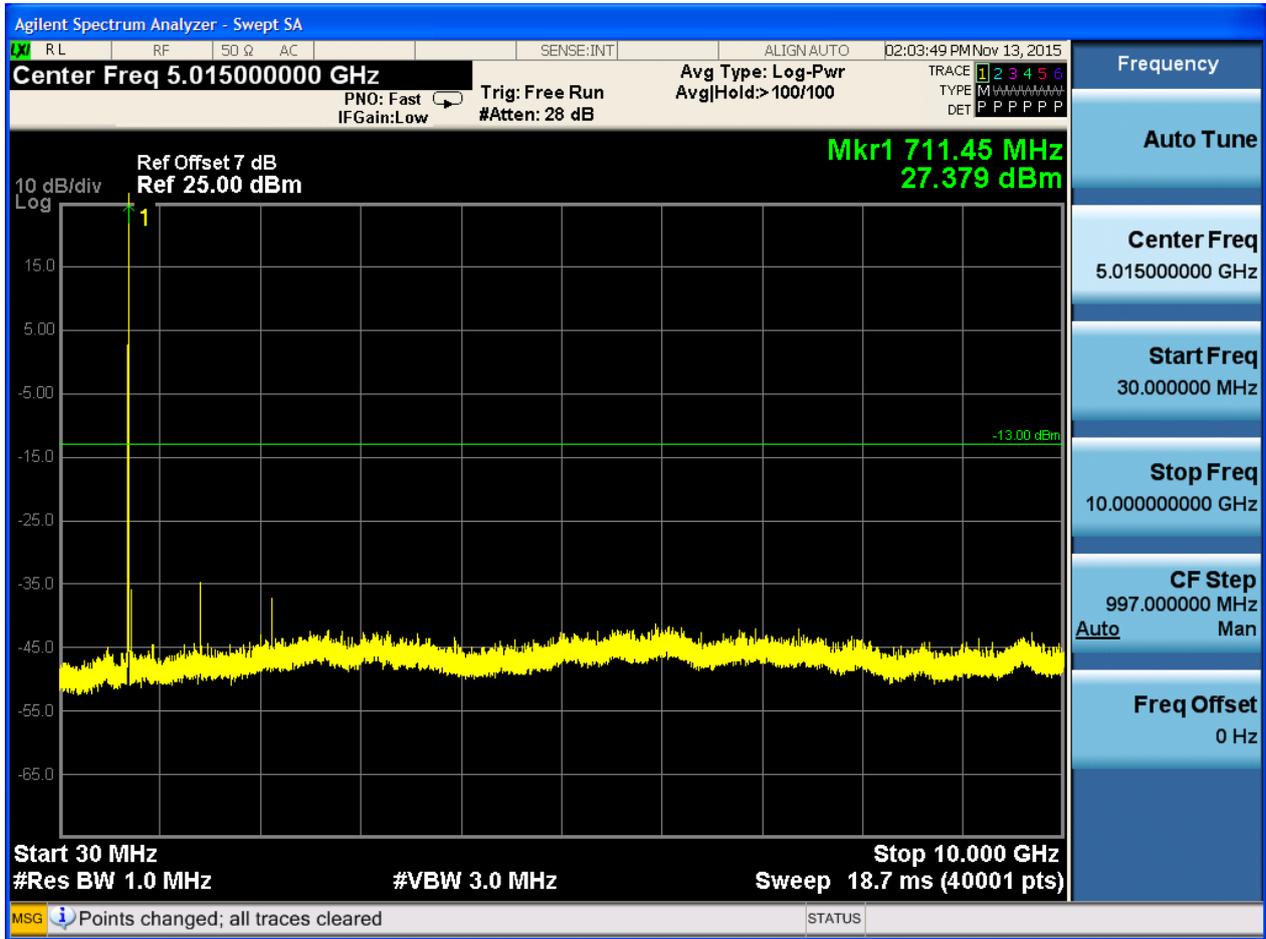


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





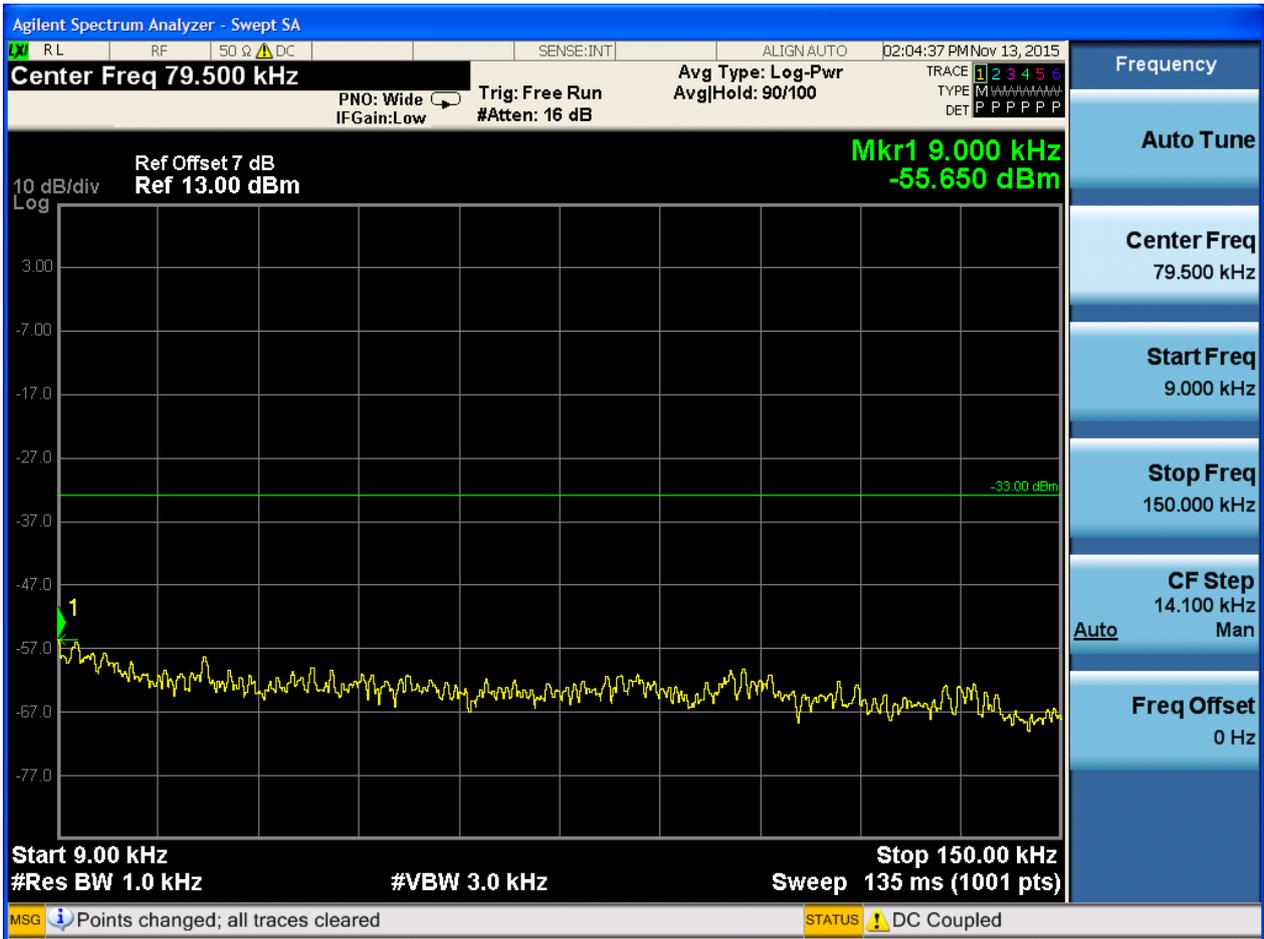




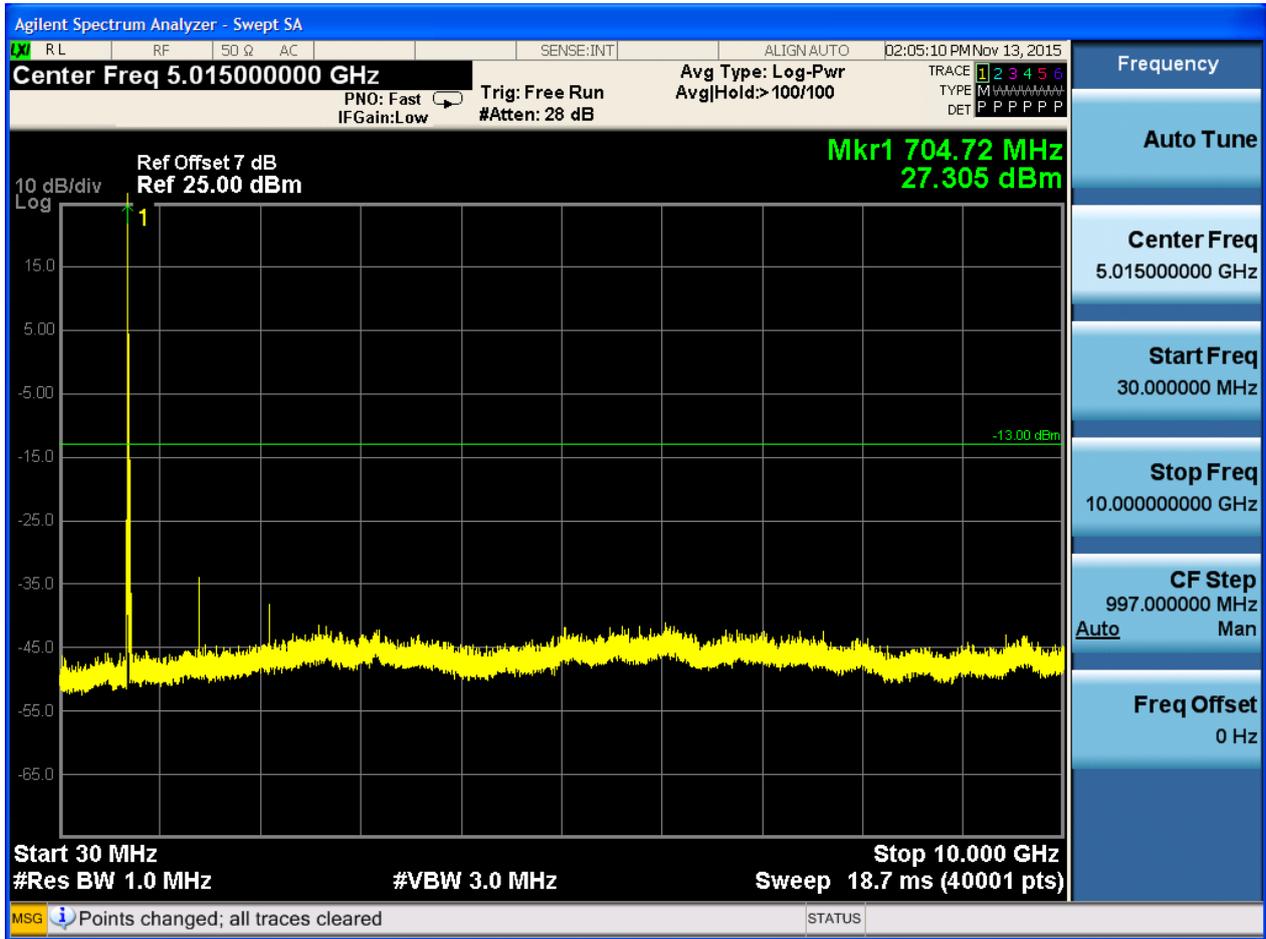
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



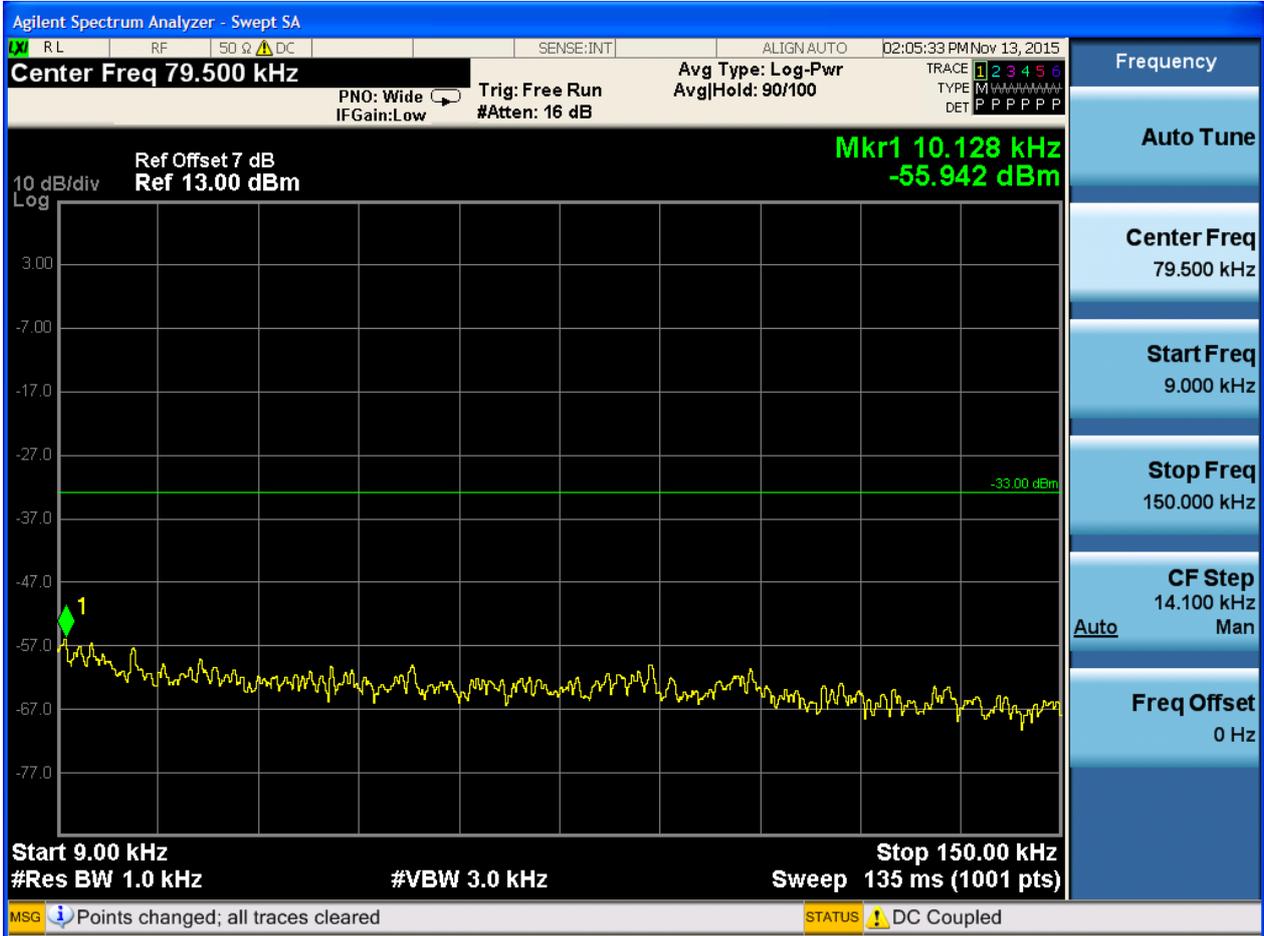




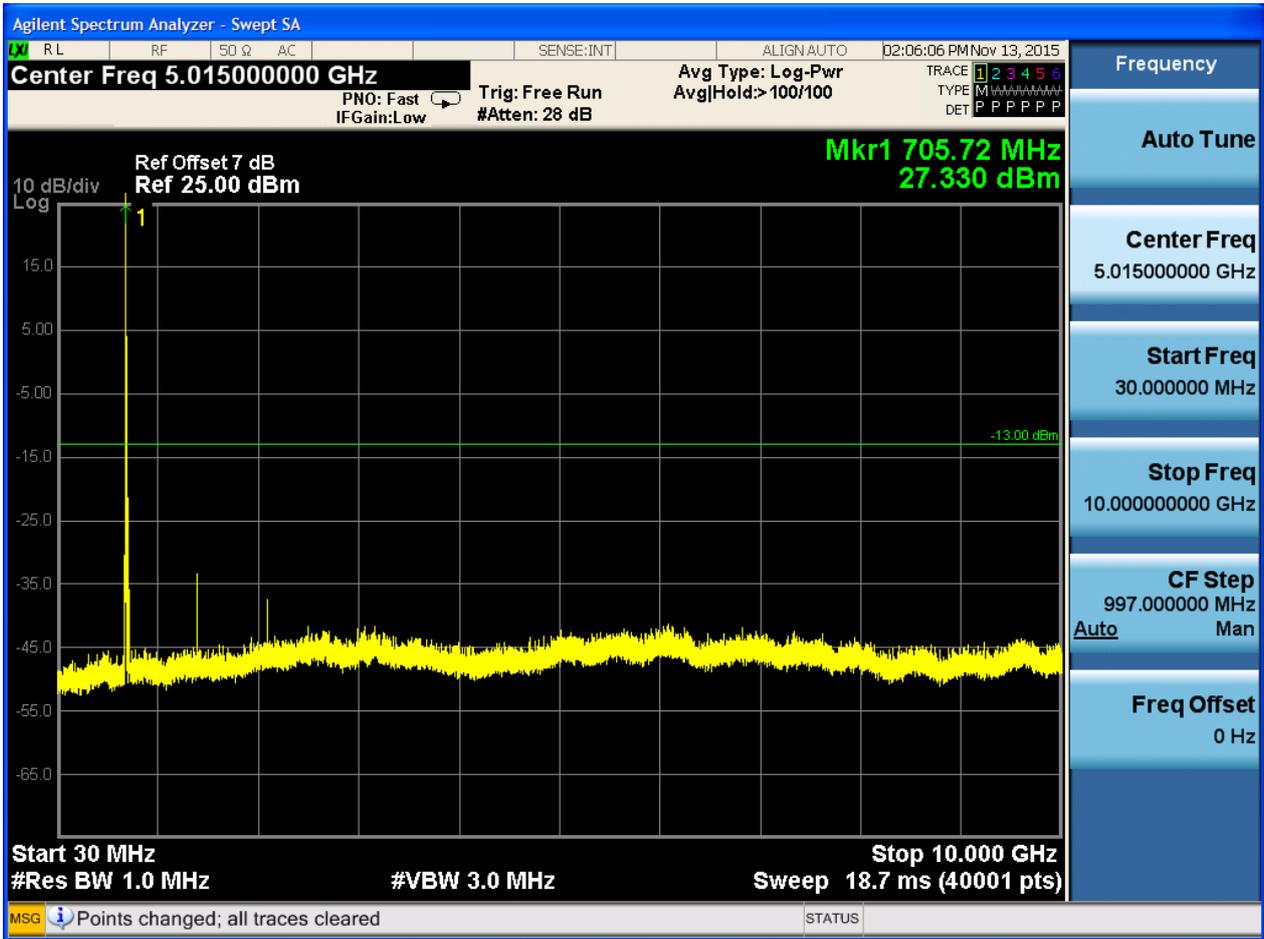


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



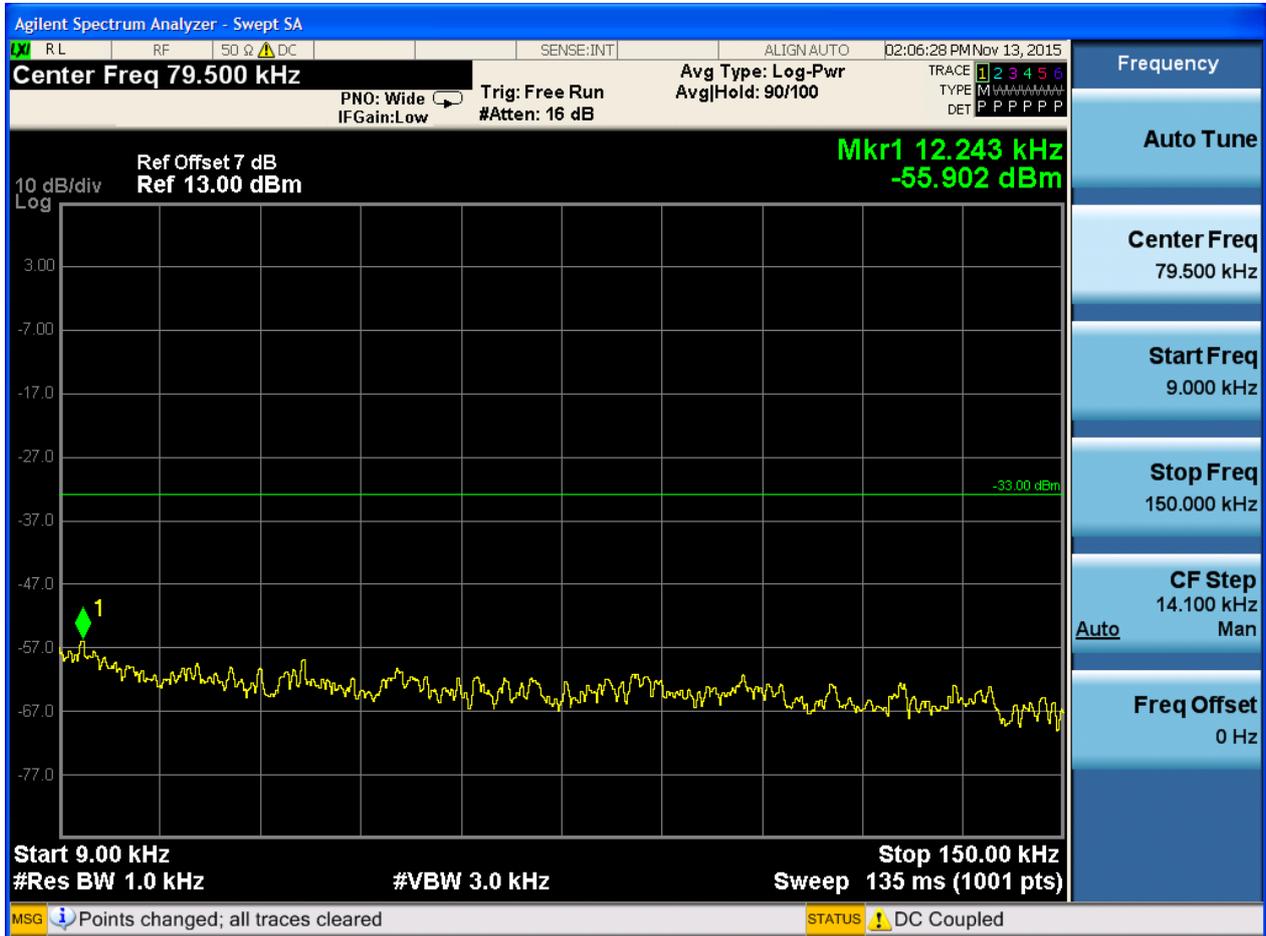


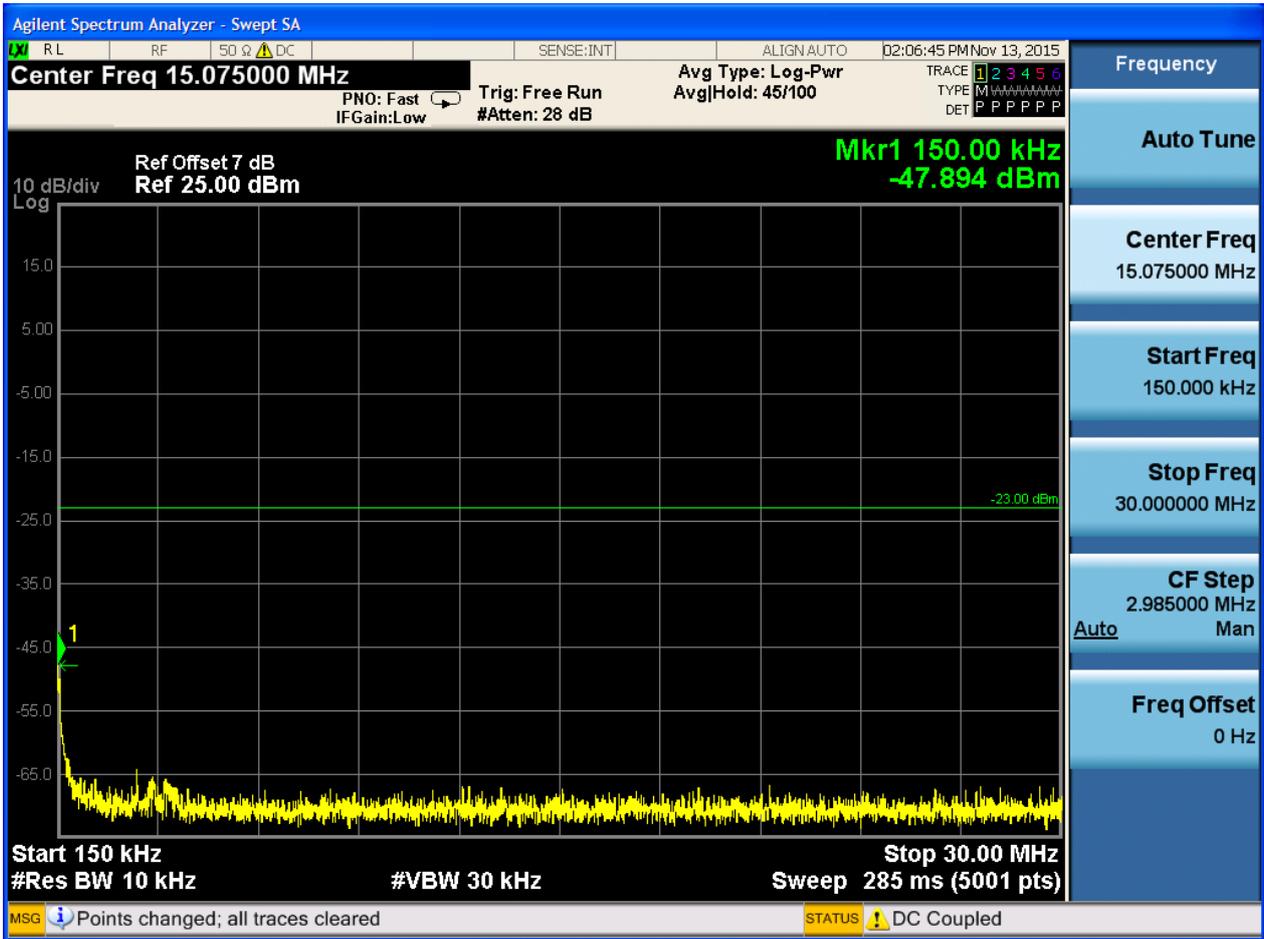


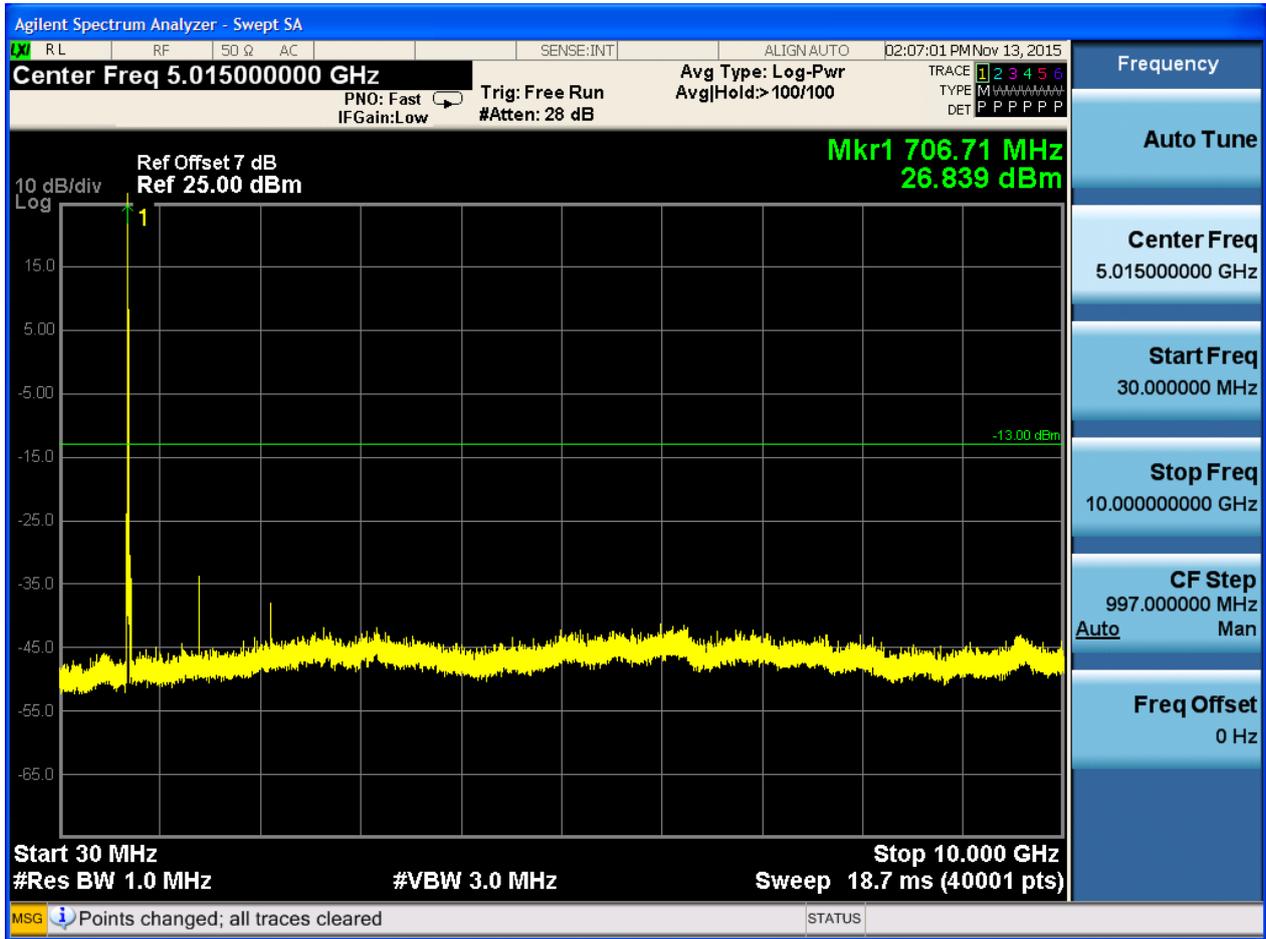


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







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

Note:

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

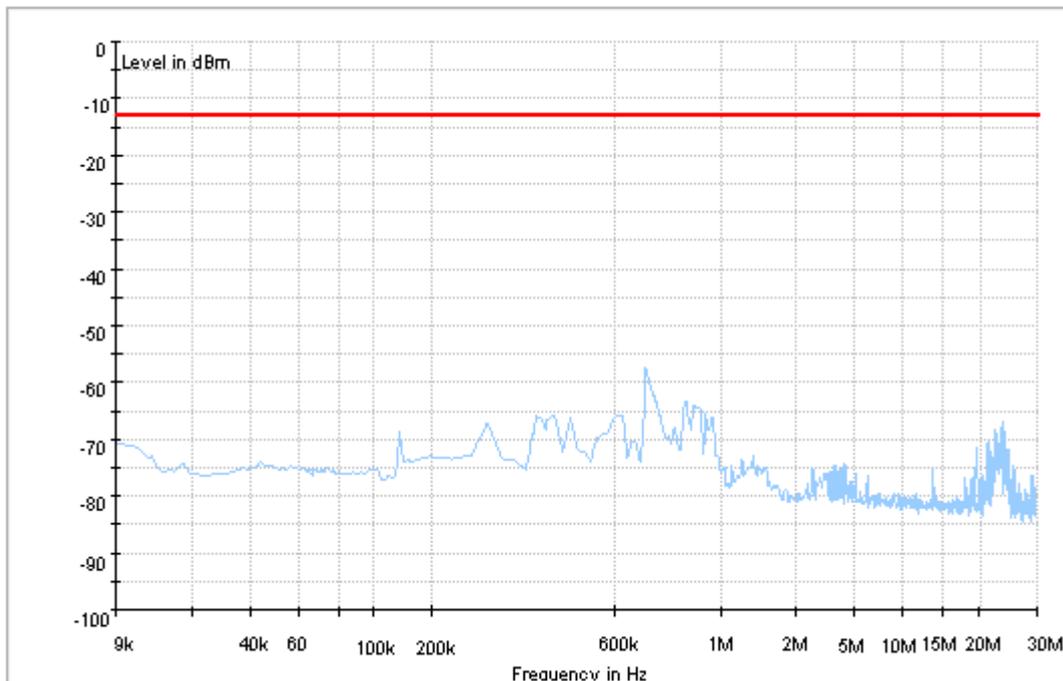
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

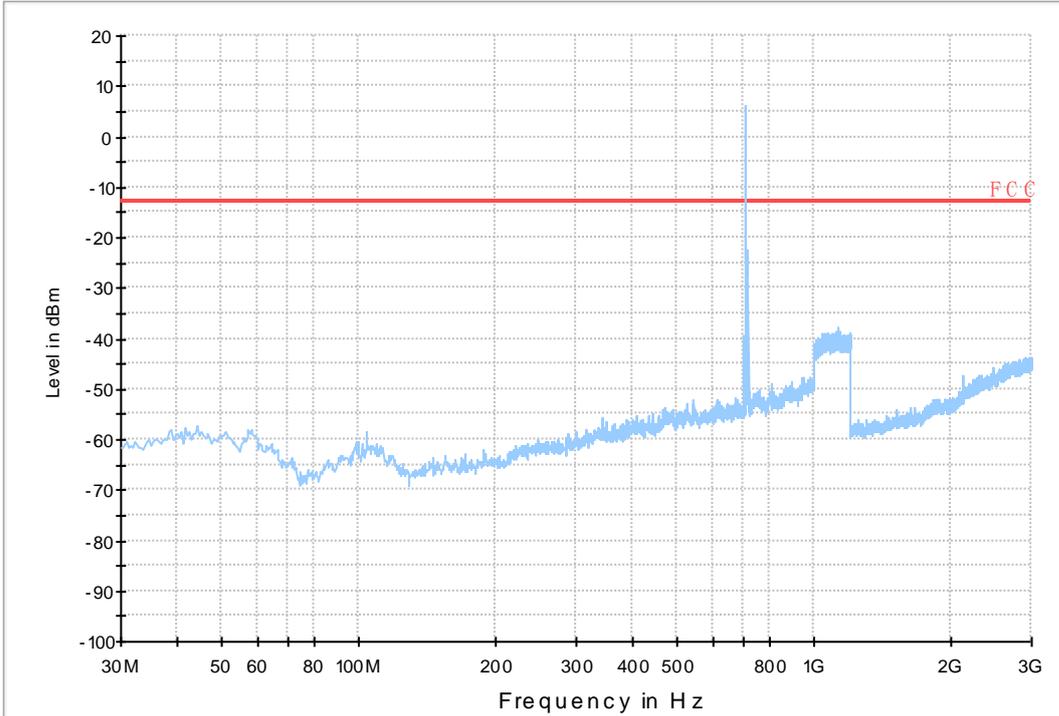
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND17

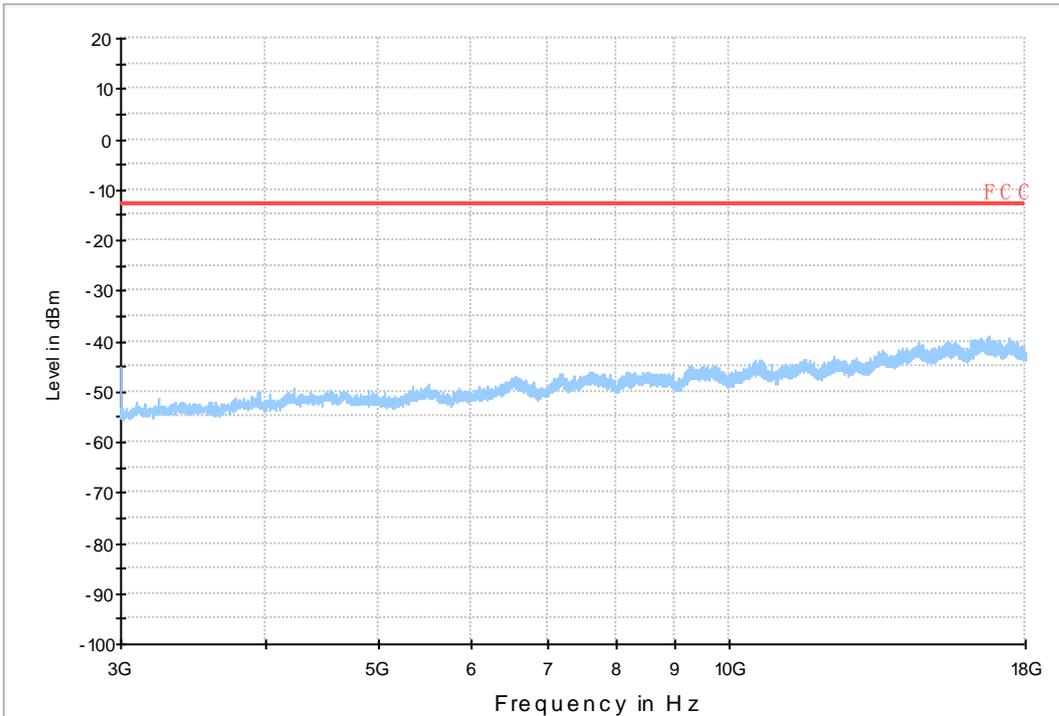
##### 7.1.1.1 Test Bandwidth = 5



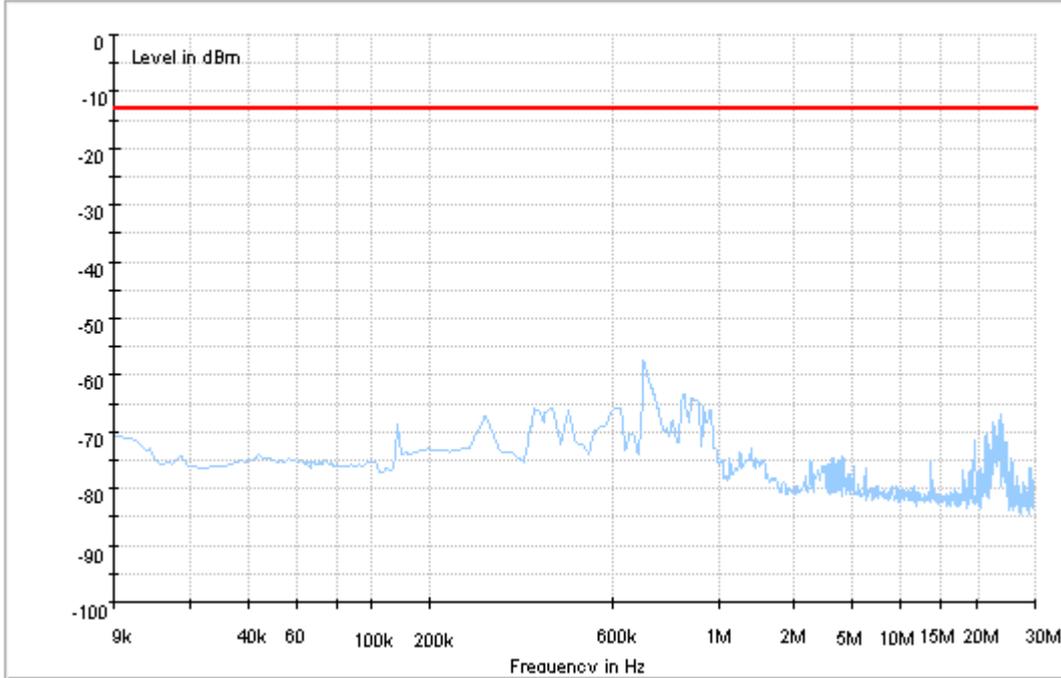
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



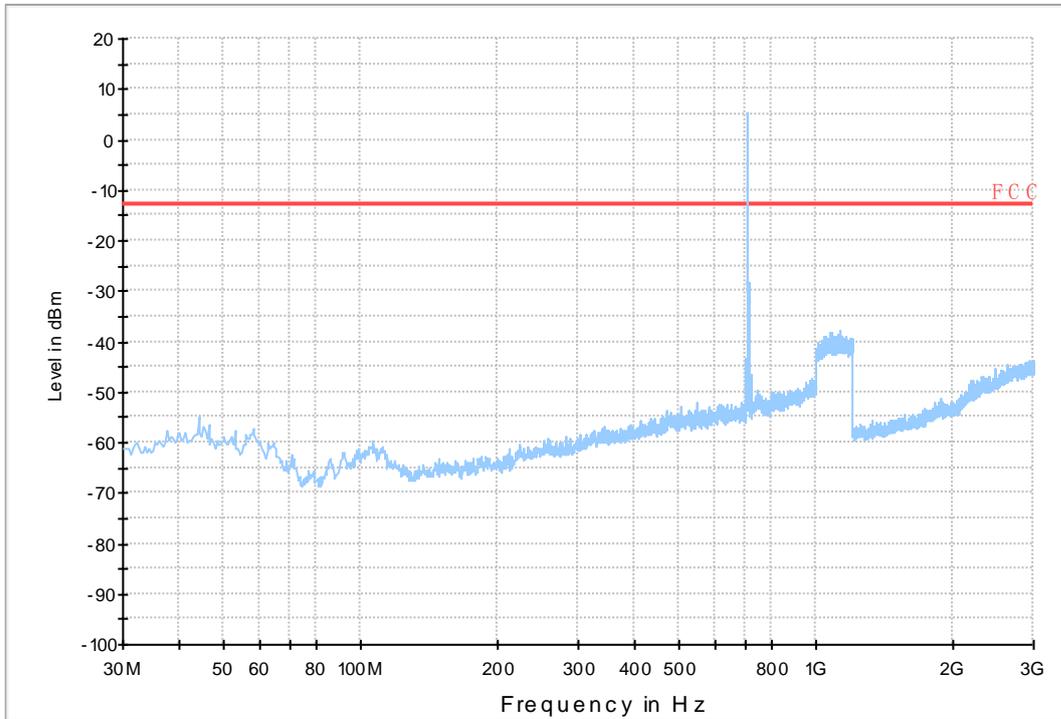
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



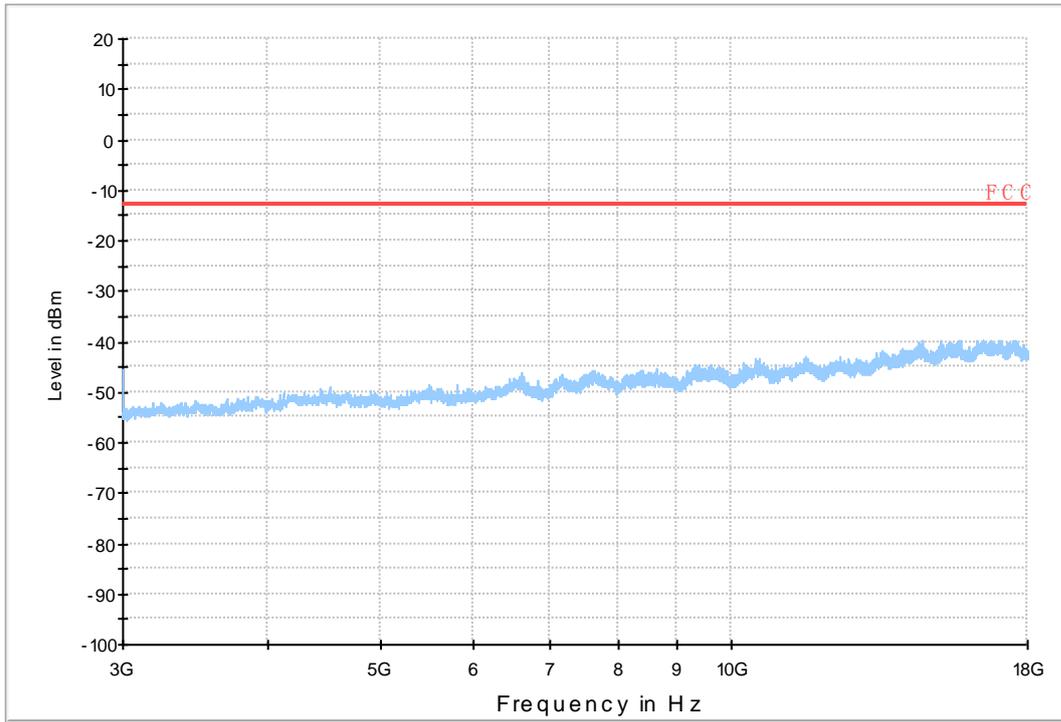
### 7.1.1.2 Test Bandwidth = 10



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	2.43	0.00344	PASS
					VN	-0.41	-0.00058	PASS
					VH	-0.01	-0.00001	PASS
			MCH	TN	VL	0.57	0.0008	PASS
					VN	2.92	0.00411	PASS
					VH	-3.36	-0.00473	PASS
		HCH	TN	VL	-1.42	-0.00199	PASS	
				VN	-0.84	-0.00118	PASS	
				VH	0.94	0.00132	PASS	
		10	LCH	TN	VL	-22.5	-0.03173	PASS
					VN	-3.72	-0.00525	PASS
					VH	-2.29	-0.00323	PASS
			MCH	TN	VL	20.79	0.02928	PASS
					VN	10.97	0.01545	PASS
					VH	-7.25	-0.01021	PASS
	HCH		TN	VL	71.57	0.10066	PASS	
				VN	26.05	0.03664	PASS	
				VH	35.1	0.04937	PASS	
	LTE/TM2	5	LCH	TN	VL	-0.7	-0.00099	PASS
					VN	2.42	0.00343	PASS
					VH	0.5	0.00071	PASS
			MCH	TN	VL	-0.69	-0.00097	PASS
					VN	-1.32	-0.00186	PASS
					VH	3.88	0.00546	PASS
			HCH	TN	VL	-1.79	-0.00251	PASS
					VN	-3.02	-0.00423	PASS
					VH	-4.03	-0.00565	PASS
		10	LCH	TN	VL	-3.72	-0.00525	PASS
					VN	-0.01	-0.00001	PASS
					VH	-41.53	-0.05858	PASS
MCH			TN	VL	-21.7	-0.03056	PASS	
				VN	-43.83	-0.06173	PASS	
				VH	-7.35	-0.01035	PASS	
HCH	TN	VL	-20.64	-0.02903	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-33.1	-0.04655	PASS
					VH	-29.07	-0.04089	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	-0.66	-0.00093	PASS
					-20	0.07	0.0001	PASS
					-10	-0.43	-0.00061	PASS
					0	1.17	0.00166	PASS
					10	-3.66	-0.00518	PASS
					20	0.31	0.00044	PASS
					30	1.87	0.00265	PASS
					40	-4.98	-0.00705	PASS
			50	-4.05	-0.00573	PASS		
			MCH	VN	-30	1.42	0.002	PASS
					-20	-4.48	-0.00631	PASS
					-10	1.13	0.00159	PASS
					0	0.87	0.00123	PASS
					10	0.31	0.00044	PASS
					20	5.64	0.00794	PASS
					30	-4.21	-0.00593	PASS
					40	0.53	0.00075	PASS
			50	-4.08	-0.00575	PASS		
			HCH	VN	-30	2.57	0.0036	PASS
					-20	1.4	0.00196	PASS
					-10	-3.2	-0.00448	PASS
					0	0.31	0.00043	PASS
					10	-0.5	-0.0007	PASS
					20	0.9	0.00126	PASS
		30			2.02	0.00283	PASS	
		40			0.73	0.00102	PASS	
		50	-2.69	-0.00377	PASS			
		10	LCH	VN	-30	-16.42	-0.02316	PASS
-20	-4.11				-0.0058	PASS		
-10	-9.94				-0.01402	PASS		
0	-9.83				-0.01386	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	5.29	0.00746	PASS
					20	-10.3	-0.01453	PASS
					30	-4.05	-0.00571	PASS
					40	1.44	0.00203	PASS
					50	-3.62	-0.00511	PASS
			MCH	VN	-30	-14.39	-0.02027	PASS
					-20	-1.76	-0.00248	PASS
					-10	21.69	0.03055	PASS
					0	-12.7	-0.01789	PASS
					10	-4.01	-0.00565	PASS
					20	-0.31	-0.00044	PASS
					30	2.15	0.00303	PASS
			HCH	VN	40	9.4	0.01324	PASS
					50	3	0.00423	PASS
					-30	15.98	0.02248	PASS
					-20	1.36	0.00191	PASS
					-10	-3.95	-0.00556	PASS
					0	10.41	0.01464	PASS
					10	13.26	0.01865	PASS
			LCH	VN	20	19.86	0.02793	PASS
	30	18			0.02532	PASS		
	40	2.22			0.00312	PASS		
	50	6.34			0.00892	PASS		
	-30	-0.47			-0.00067	PASS		
	-20	-2.69			-0.00381	PASS		
	-10	-1.16			-0.00164	PASS		
	0	-0.54			-0.00076	PASS		
	10	-1.16			-0.00164	PASS		
	20	-8.27			-0.01171	PASS		
	MCH	VN	30	1.06	0.0015	PASS		
			40	-0.84	-0.00119	PASS		
			50	3.3	0.00467	PASS		
			-30	-4.82	-0.00679	PASS		
			-20	-2.86	-0.00403	PASS		
			-10	3.55	0.005	PASS		
			0	-2.75	-0.00387	PASS		
			10	-0.09	-0.00013	PASS		
	20	-0.7	-0.00099	PASS				
	30	-1.86	-0.00262	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	0.83	0.00117	PASS
					50	-1.02	-0.00144	PASS
			HCH	VN	-30	0.97	0.00136	PASS
					-20	-2.76	-0.00387	PASS
					-10	-0.57	-0.0008	PASS
					0	-1.3	-0.00182	PASS
					10	1.04	0.00146	PASS
					20	-3.16	-0.00443	PASS
					30	-0.23	-0.00032	PASS
					40	-1.37	-0.00192	PASS
					50	-0.83	-0.00116	PASS
					10	LCH	VN	-30
		-20	-26.81	-0.03781				PASS
		-10	-10.06	-0.01419				PASS
		0	-10.57	-0.01491				PASS
		10	-20.06	-0.02829				PASS
		20	-13.85	-0.01953				PASS
		30	-6.81	-0.00961				PASS
		40	-17.87	-0.0252				PASS
		50	-11.9	-0.01678				PASS
		MCH	VN	-30		-24.45	-0.03444	PASS
				-20		-26.41	-0.0372	PASS
				-10		-30.93	-0.04356	PASS
				0		-17.71	-0.02494	PASS
				10		-16.28	-0.02293	PASS
				20		-37.69	-0.05308	PASS
				30		-16.84	-0.02372	PASS
				40		-28.74	-0.04048	PASS
				50		-25.86	-0.03642	PASS
		HCH	VN	-30	-53.13	-0.07473	PASS	
				-20	-45.42	-0.06388	PASS	
				-10	-52.7	-0.07412	PASS	
				0	-43.36	-0.06098	PASS	
				10	-46.94	-0.06602	PASS	
				20	-54.12	-0.07612	PASS	
				30	-63.66	-0.08954	PASS	
40	-41.5			-0.05837	PASS			
50	-52.93			-0.07444	PASS			