



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	22.82	18	34.7	PASS
				RB1#13	22.72	17.9	34.7	PASS
				RB1#24	22.42	17.6	34.7	PASS
				RB12#0	21.74	16.92	34.7	PASS
				RB12#6	21.68	16.86	34.7	PASS
				RB12#13	21.52	16.7	34.7	PASS
				RB25#0	21.59	16.77	34.7	PASS
			MCH	RB1#0	22.55	17.73	34.7	PASS
				RB1#13	22.3	17.48	34.7	PASS
				RB1#24	22.07	17.25	34.7	PASS
				RB12#0	21.38	16.56	34.7	PASS
				RB12#6	21.25	16.43	34.7	PASS
				RB12#13	21.11	16.29	34.7	PASS
				RB25#0	21.2	16.38	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.15	17.33	34.7	PASS
				RB1#13	22.12	17.3	34.7	PASS
				RB1#24	22.03	17.21	34.7	PASS
				RB12#0	21.04	16.22	34.7	PASS
				RB12#6	21.04	16.22	34.7	PASS
				RB12#13	21.01	16.19	34.7	PASS
				RB25#0	21	16.18	34.7	PASS
		10	LCH	RB1#0	22.71	17.89	34.7	PASS
				RB1#25	22.3	17.48	34.7	PASS
				RB1#49	22.01	17.19	34.7	PASS
				RB25#0	21.55	16.73	34.7	PASS
				RB25#13	21.32	16.5	34.7	PASS
				RB25#25	21.11	16.29	34.7	PASS
				RB50#0	21.36	16.54	34.7	PASS
			MCH	RB1#0	22.71	17.89	34.7	PASS
				RB1#25	22.19	17.37	34.7	PASS
				RB1#49	22.06	17.24	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.46	16.64	34.7	PASS
				RB25#13	21.22	16.4	34.7	PASS
				RB25#25	21.07	16.25	34.7	PASS
				RB50#0	21.29	16.47	34.7	PASS
			HCH	RB1#0	22.67	17.85	34.7	PASS
				RB1#25	22.13	17.31	34.7	PASS
				RB1#49	22.06	17.24	34.7	PASS
				RB25#0	21.4	16.58	34.7	PASS
				RB25#13	21.15	16.33	34.7	PASS
				RB25#25	21.06	16.24	34.7	PASS
				RB50#0	21.25	16.43	34.7	PASS
	LTE/TM2	5	LCH	RB1#0	21.95	17.13	34.7	PASS
				RB1#13	21.88	17.06	34.7	PASS
				RB1#24	21.59	16.77	34.7	PASS
				RB12#0	20.79	15.97	34.7	PASS
				RB12#6	20.72	15.9	34.7	PASS
				RB12#13	20.61	15.79	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.58	15.76	34.7	PASS
			MCH	RB1#0	21.7	16.88	34.7	PASS
				RB1#13	21.44	16.62	34.7	PASS
				RB1#24	21.22	16.4	34.7	PASS
				RB12#0	20.37	15.55	34.7	PASS
				RB12#6	20.25	15.43	34.7	PASS
				RB12#13	20.11	15.29	34.7	PASS
				RB25#0	20.13	15.31	34.7	PASS
			HCH	RB1#0	21.28	16.46	34.7	PASS
				RB1#13	21.22	16.4	34.7	PASS
				RB1#24	21.16	16.34	34.7	PASS
				RB12#0	20.04	15.22	34.7	PASS
				RB12#6	20.02	15.2	34.7	PASS
				RB12#13	19.99	15.17	34.7	PASS
				RB25#0	19.91	15.09	34.7	PASS
		10	LCH	RB1#0	22.11	17.29	34.7	PASS
				RB1#25	21.72	16.9	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.4	16.58	34.7	PASS
				RB25#0	20.58	15.76	34.7	PASS
				RB25#13	20.29	15.47	34.7	PASS
				RB25#25	20.06	15.24	34.7	PASS
				RB50#0	20.34	15.52	34.7	PASS
			MCH	RB1#0	22.1	17.28	34.7	PASS
				RB1#25	21.59	16.77	34.7	PASS
				RB1#49	21.37	16.55	34.7	PASS
				RB25#0	20.49	15.67	34.7	PASS
				RB25#13	20.21	15.39	34.7	PASS
				RB25#25	20.04	15.22	34.7	PASS
				RB50#0	20.28	15.46	34.7	PASS
			HCH	RB1#0	22.05	17.23	34.7	PASS
				RB1#25	21.52	16.7	34.7	PASS
				RB1#49	21.41	16.59	34.7	PASS
				RB25#0	20.37	15.55	34.7	PASS
				RB25#13	20.13	15.31	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.02	15.2	34.7	PASS
				RB50#0	20.25	15.43	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:

$$\text{SET Span} = 1.5 \times \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

$$\text{SET VBW} \geq 3 \times \text{RBW}$$

$$\text{SET Sweep time} = \text{auto-couple.}$$

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	4.43	13	PASS
				RB1#13	4.39	13	PASS
				RB1#24	4.5	13	PASS
				RB12#0	5.82	13	PASS
				RB12#6	5.85	13	PASS
				RB12#13	5.91	13	PASS
				RB25#0	6.01	13	PASS
			MCH	RB1#0	4.48	13	PASS
				RB1#13	4.43	13	PASS
				RB1#24	4.32	13	PASS
				RB12#0	5.82	13	PASS
				RB12#6	5.83	13	PASS
				RB12#13	5.74	13	PASS
				RB25#0	5.74	13	PASS
		10	HCH	RB1#0	4.39	13	PASS
				RB1#13	4.18	13	PASS
				RB1#24	4.13	13	PASS
				RB12#0	5.72	13	PASS
				RB12#6	5.66	13	PASS
				RB12#13	5.54	13	PASS
				RB25#0	5.75	13	PASS
			LCH	RB1#0	4.56	13	PASS
				RB1#25	4.62	13	PASS
				RB1#49	4.32	13	PASS
				RB25#0	5.89	13	PASS
				RB25#13	5.95	13	PASS
				RB25#25	5.86	13	PASS
				RB50#0	6.38	13	PASS
			MCH	RB1#0	4.52	13	PASS
				RB1#25	4.55	13	PASS
				RB1#49	4.25	13	PASS
				RB25#0	6.02	13	PASS
				RB25#13	6.06	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured [dB]	Limit [dB]	Verdict
				RB25#25	5.9	13	PASS
				RB50#0	6.2	13	PASS
			HCH	RB1#0	4.53	13	PASS
				RB1#25	4.5	13	PASS
				RB1#49	4.2	13	PASS
				RB25#0	5.99	13	PASS
				RB25#13	6	13	PASS
				RB25#25	5.82	13	PASS
				RB50#0	6.13	13	PASS
	LTE/TM2	5	LCH	RB1#0	5.79	13	PASS
				RB1#13	5.75	13	PASS
				RB1#24	5.93	13	PASS
				RB12#0	6.71	13	PASS
				RB12#6	6.66	13	PASS
				RB12#13	6.76	13	PASS
				RB25#0	7.06	13	PASS
			MCH	RB1#0	5.9	13	PASS
				RB1#13	5.82	13	PASS
				RB1#24	5.66	13	PASS
				RB12#0	6.93	13	PASS
				RB12#6	6.89	13	PASS
				RB12#13	6.82	13	PASS
				RB25#0	7.12	13	PASS
			HCH	RB1#0	5.74	13	PASS
				RB1#13	5.54	13	PASS
				RB1#24	5.49	13	PASS
				RB12#0	6.71	13	PASS
				RB12#6	6.57	13	PASS
				RB12#13	6.51	13	PASS
				RB25#0	6.88	13	PASS
		10	LCH	RB1#0	6.03	13	PASS
				RB1#25	6.1	13	PASS
				RB1#49	5.78	13	PASS
				RB25#0	7.41	13	PASS
				RB25#13	7.38	13	PASS
				RB25#25	7.26	13	PASS
				RB50#0	7.66	13	PASS
			MCH	RB1#0	5.99	13	PASS
				RB1#25	6.05	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured [dB]	Limit [dB]	Verdict
				RB1#49	5.74	13	PASS
				RB25#0	7.55	13	PASS
				RB25#13	7.58	13	PASS
				RB25#25	7.39	13	PASS
				RB50#0	7.36	13	PASS
			HCH	RB1#0	6	13	PASS
				RB1#25	5.96	13	PASS
				RB1#49	5.68	13	PASS
				RB25#0	7.52	13	PASS
				RB25#13	7.43	13	PASS
				RB25#25	7.19	13	PASS
				RB50#0	7.19	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

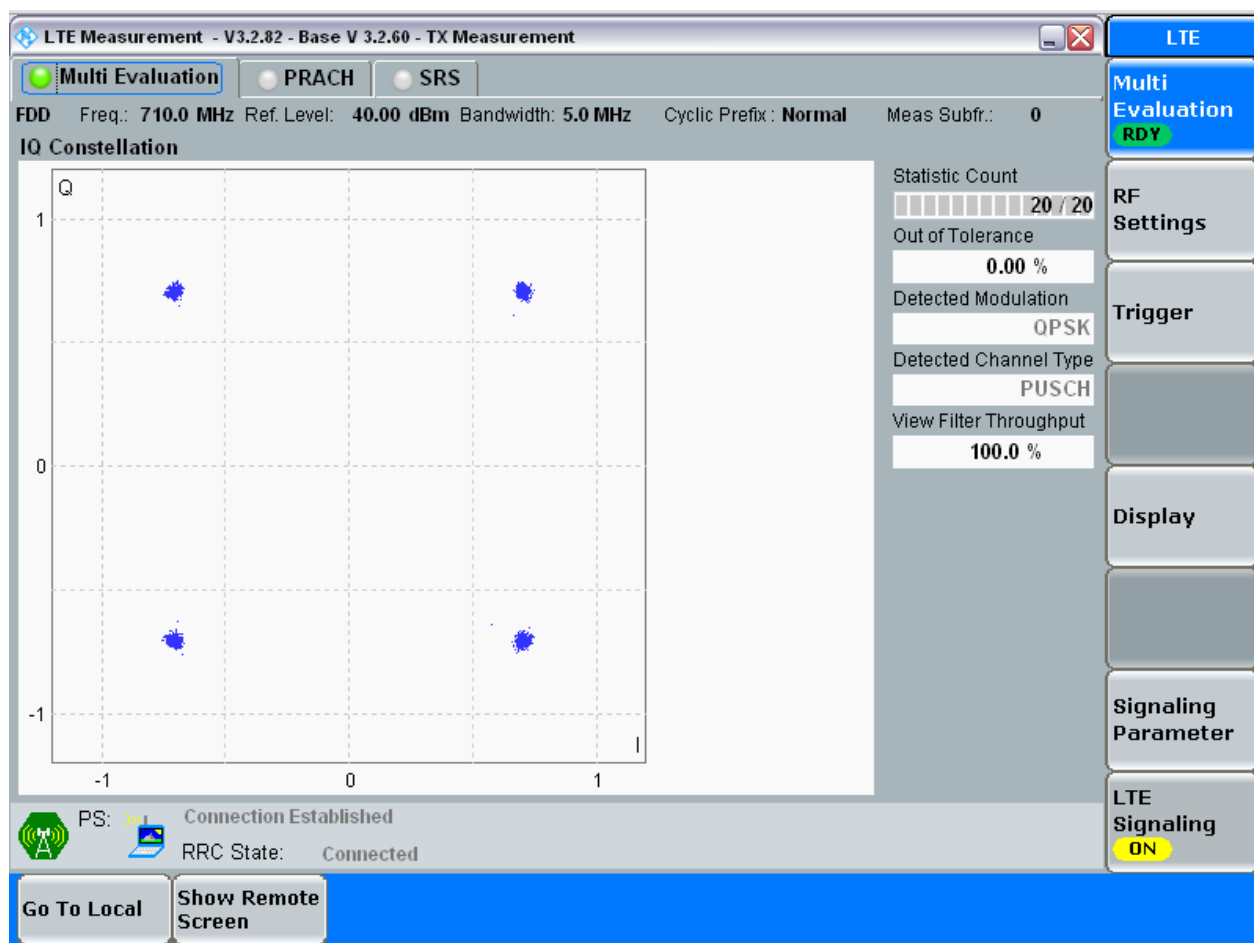
3.1.1 Test Band = BAND17

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

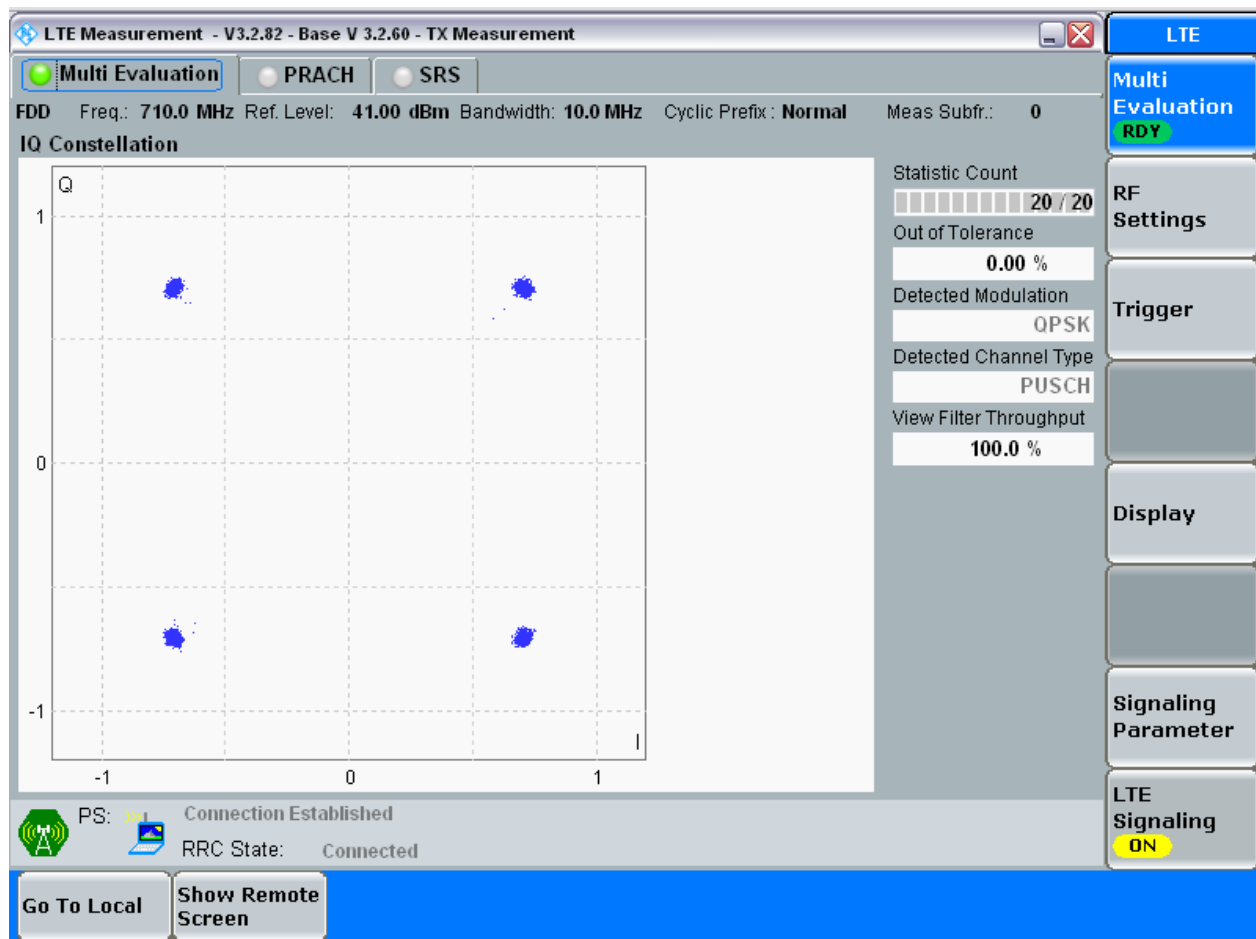
3.1.1.1.1.1.1 Test RB = RB25#0



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

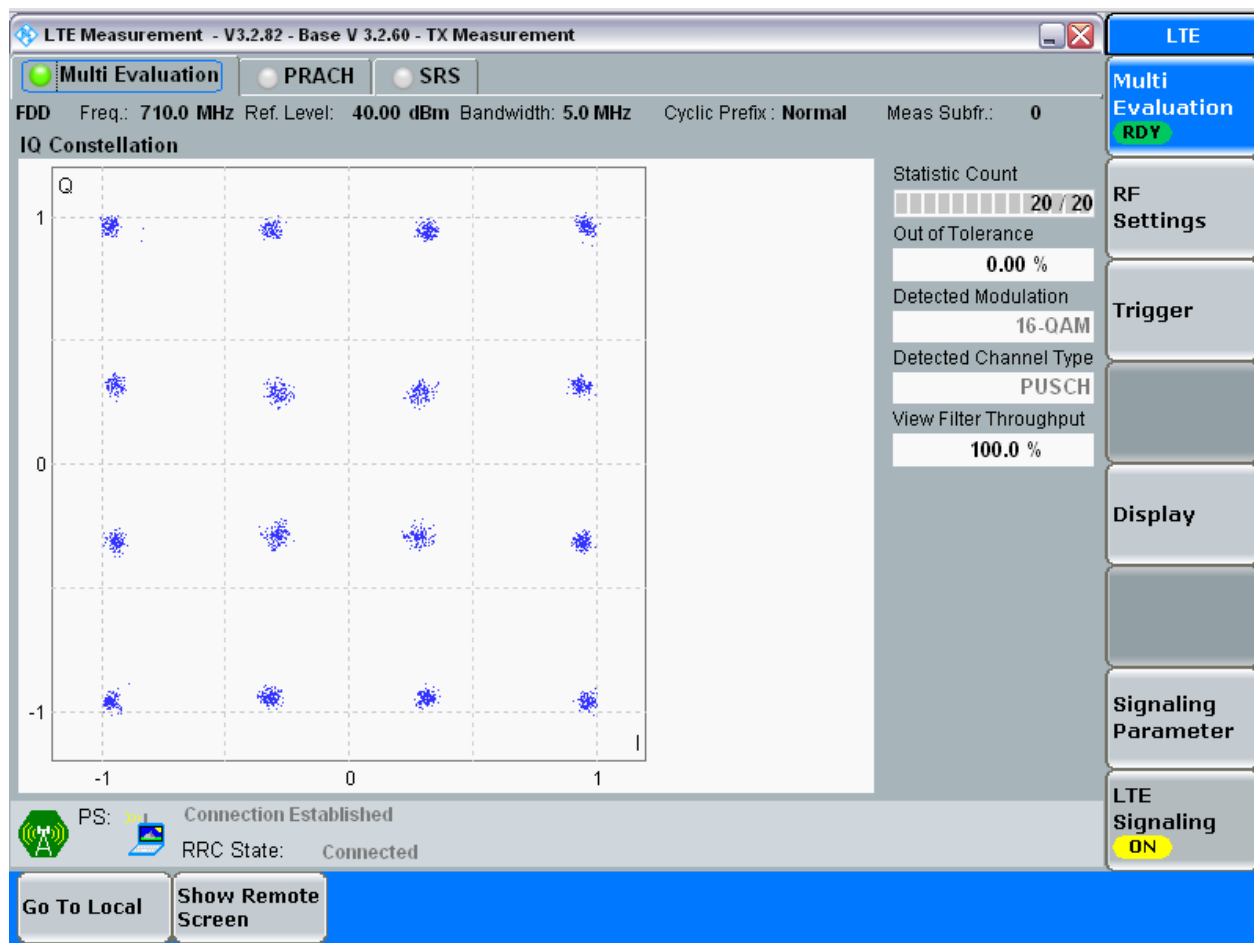


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

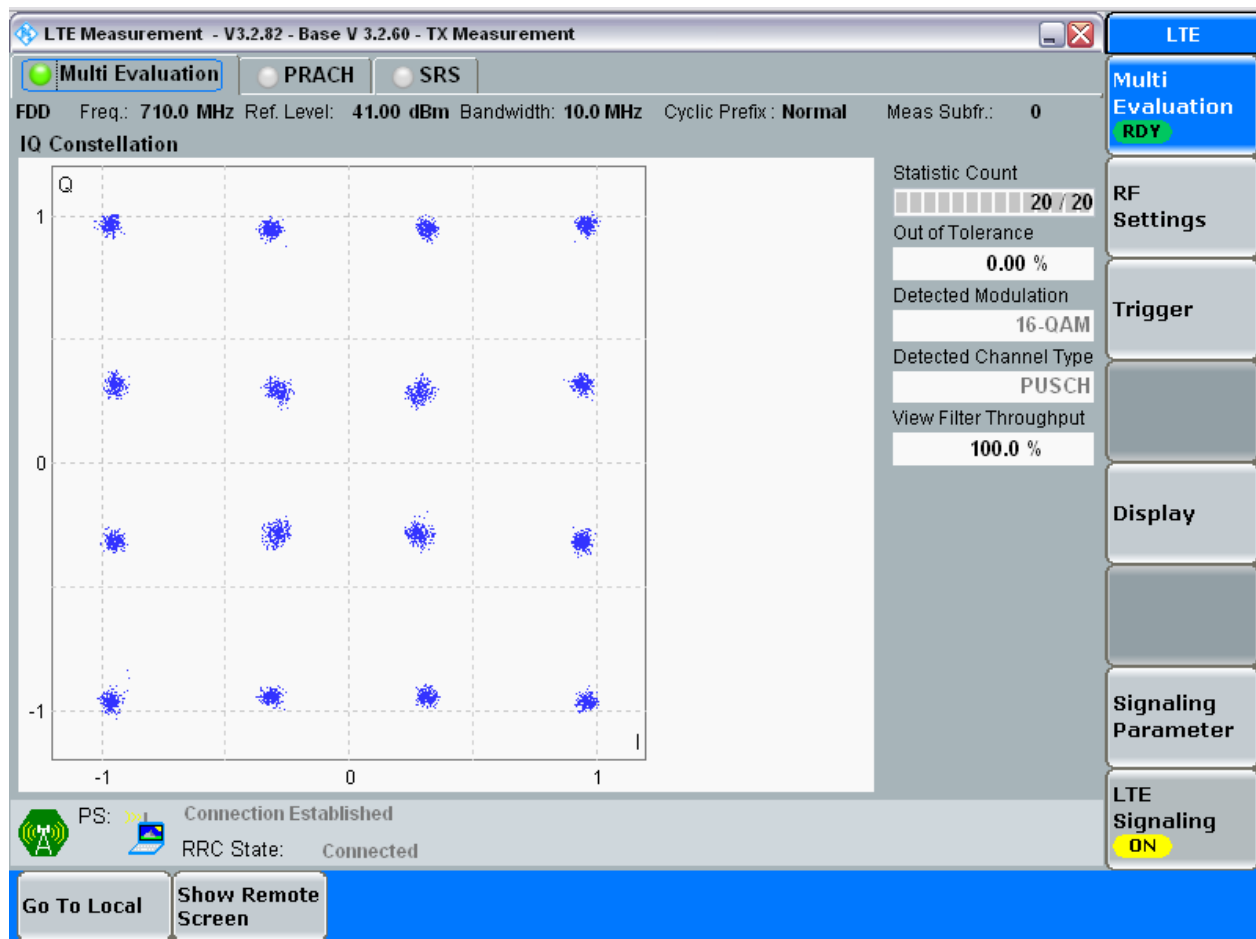
3.1.1.2.1.1.1 Test RB = RB25#0



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	4.52	4.92	Pass
			MCH	RB25#0	4.51	4.89	Pass
			HCH	RB25#0	4.51	4.91	Pass
		10	LCH	RB50#0	8.99	9.63	Pass
			MCH	RB50#0	9.00	9.60	Pass
			HCH	RB50#0	8.99	9.60	Pass
	LTE/TM2	5	LCH	RB25#0	4.52	4.91	Pass
			MCH	RB25#0	4.52	4.91	Pass
			HCH	RB25#0	4.52	4.89	Pass
		10	LCH	RB50#0	9.00	9.68	Pass
			MCH	RB50#0	9.00	9.65	Pass
			HCH	RB50#0	8.99	9.63	Pass



Part II - Test Plots

4.1 For LTE

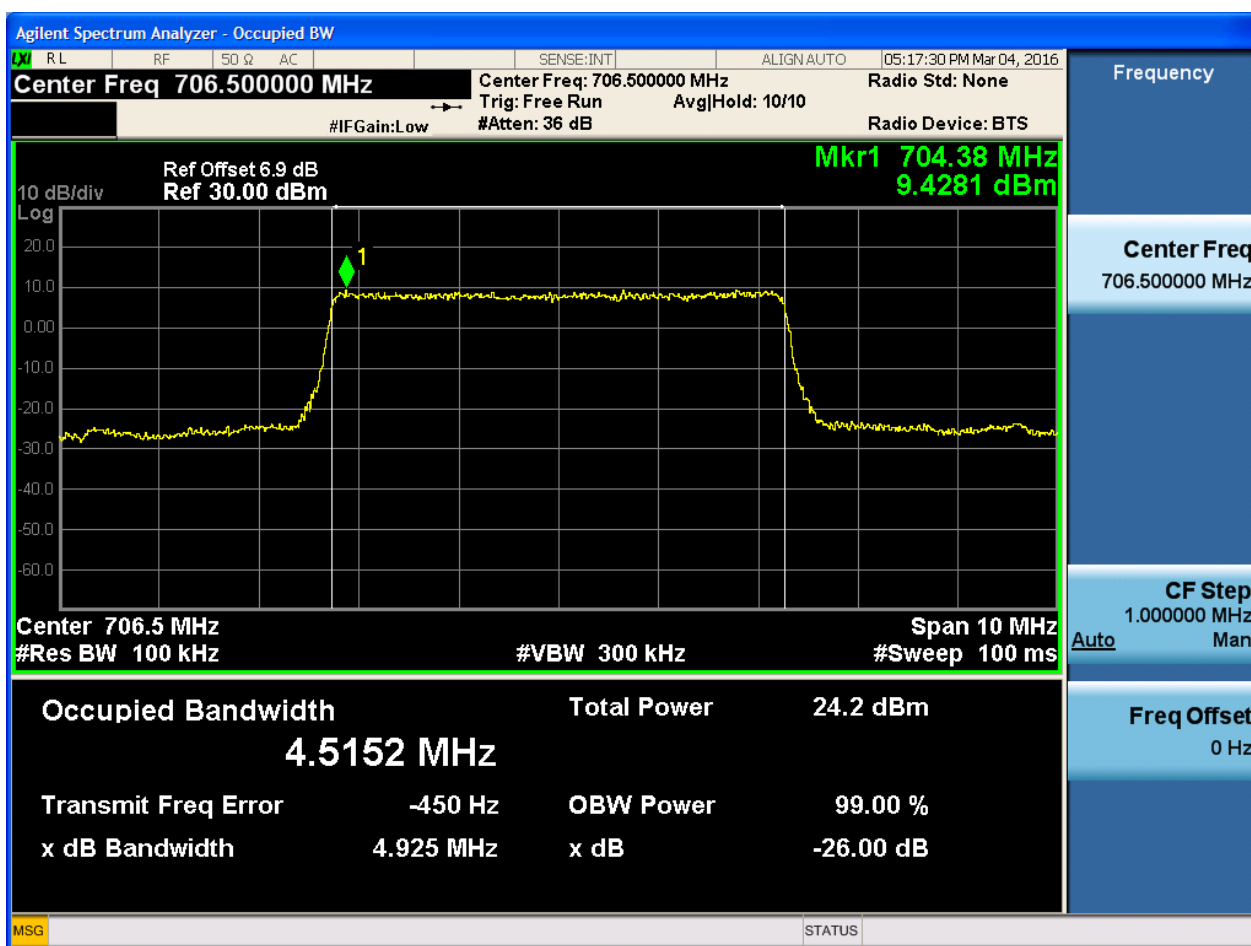
4.1.1 Test Band = BAND17

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

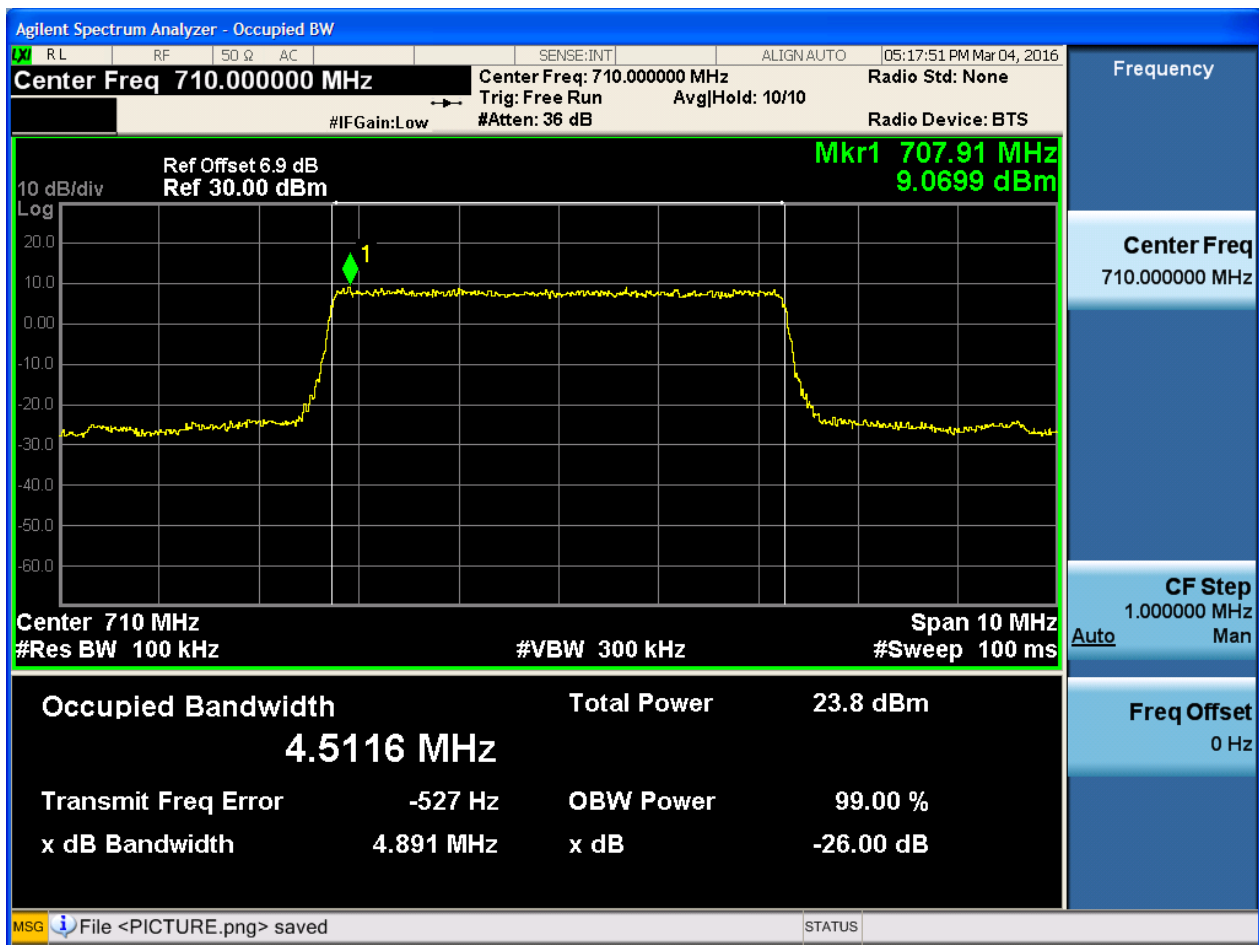
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0



4.1.1.1.1.2 Test Channel = MCH

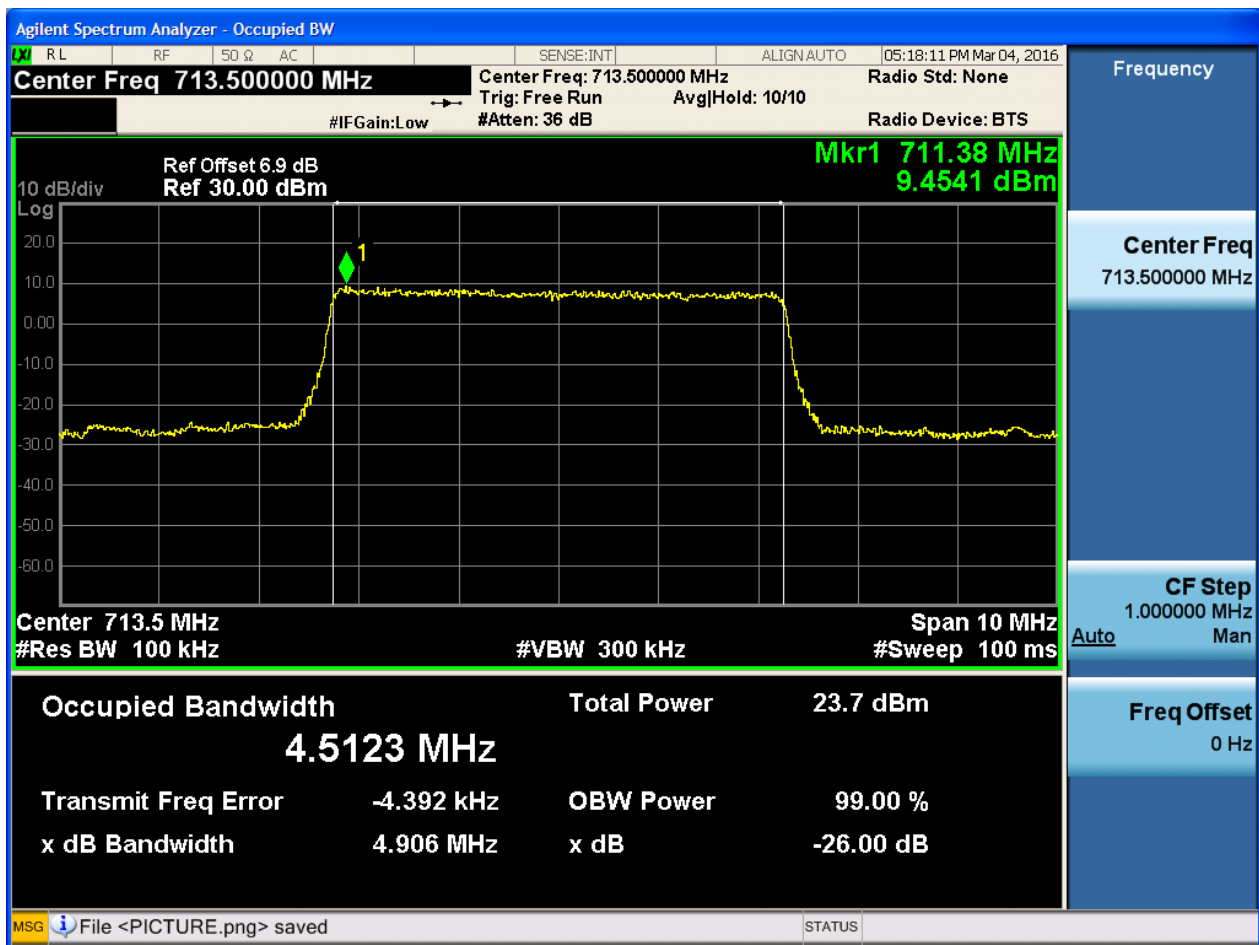
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

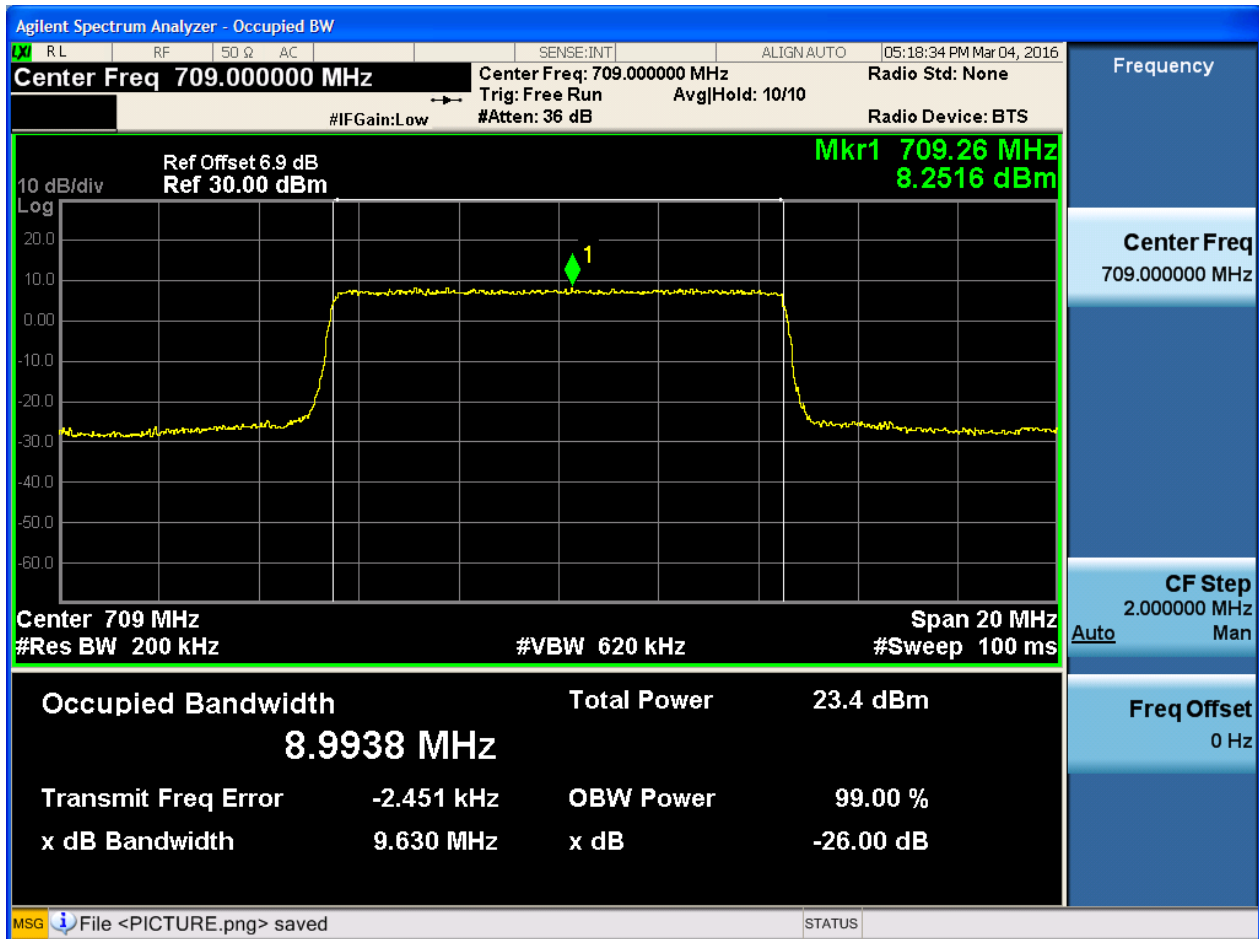




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

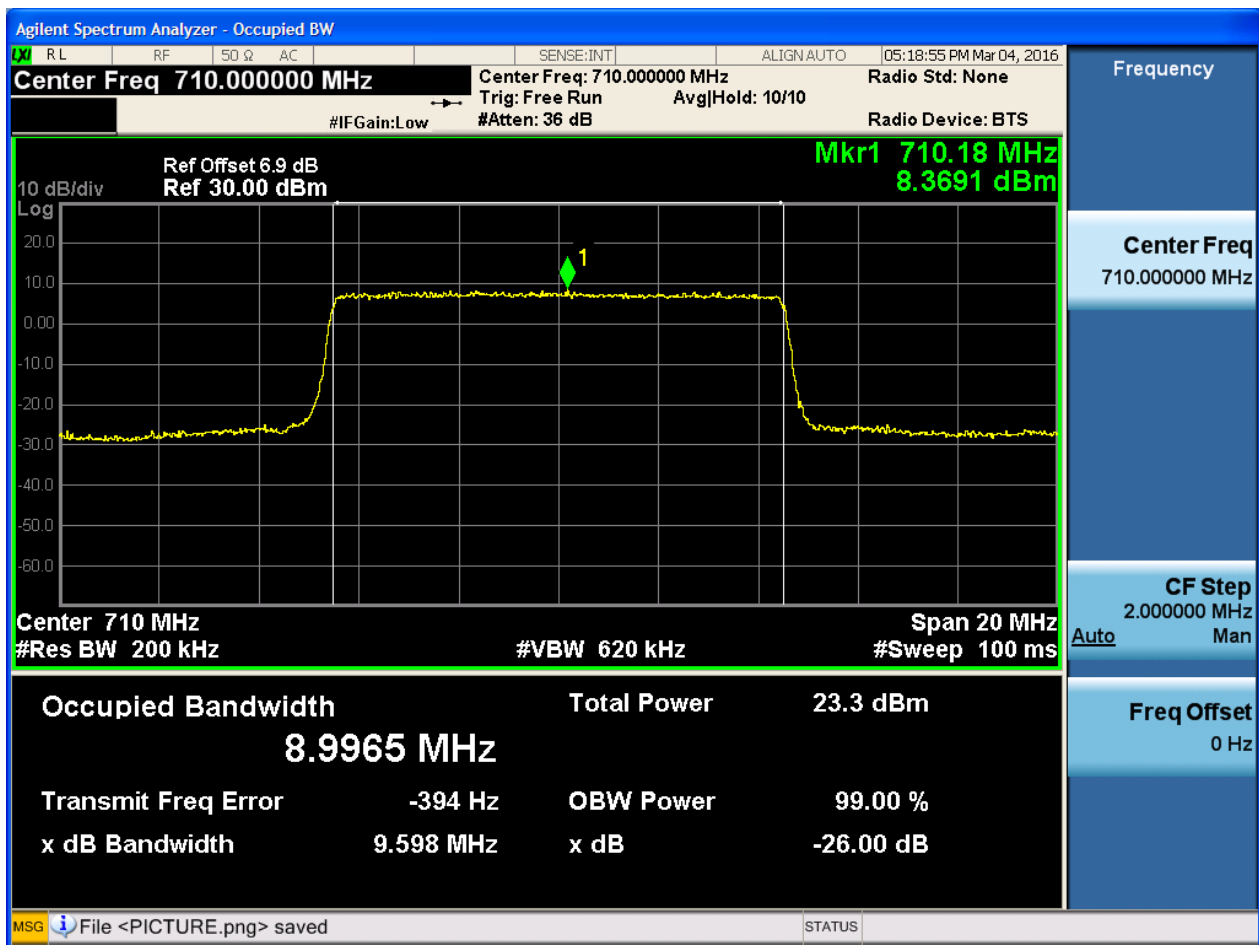
4.1.1.1.2.1.1 Test RB = RB50#0





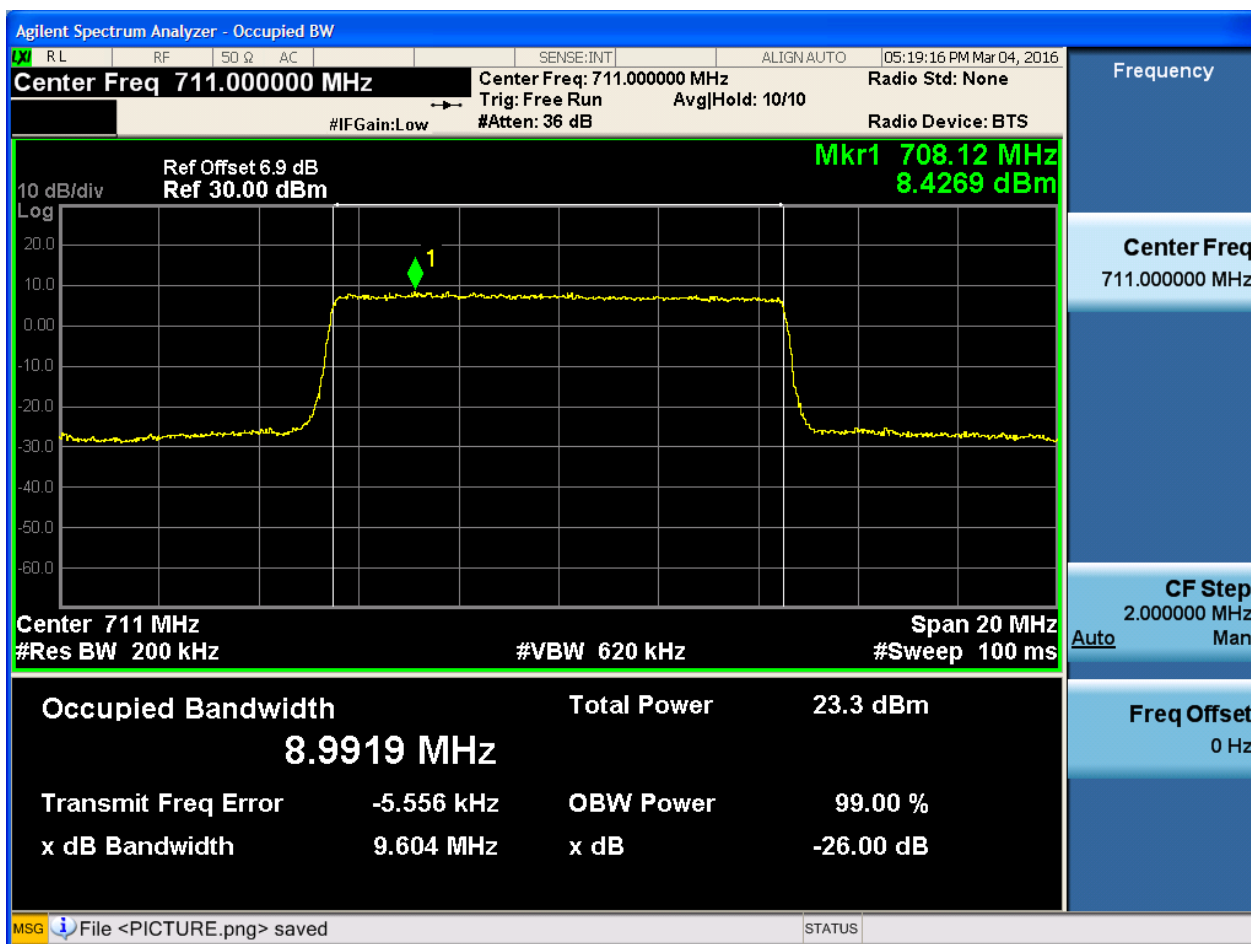
4.1.1.1.2.2 Test Channel = MCH

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



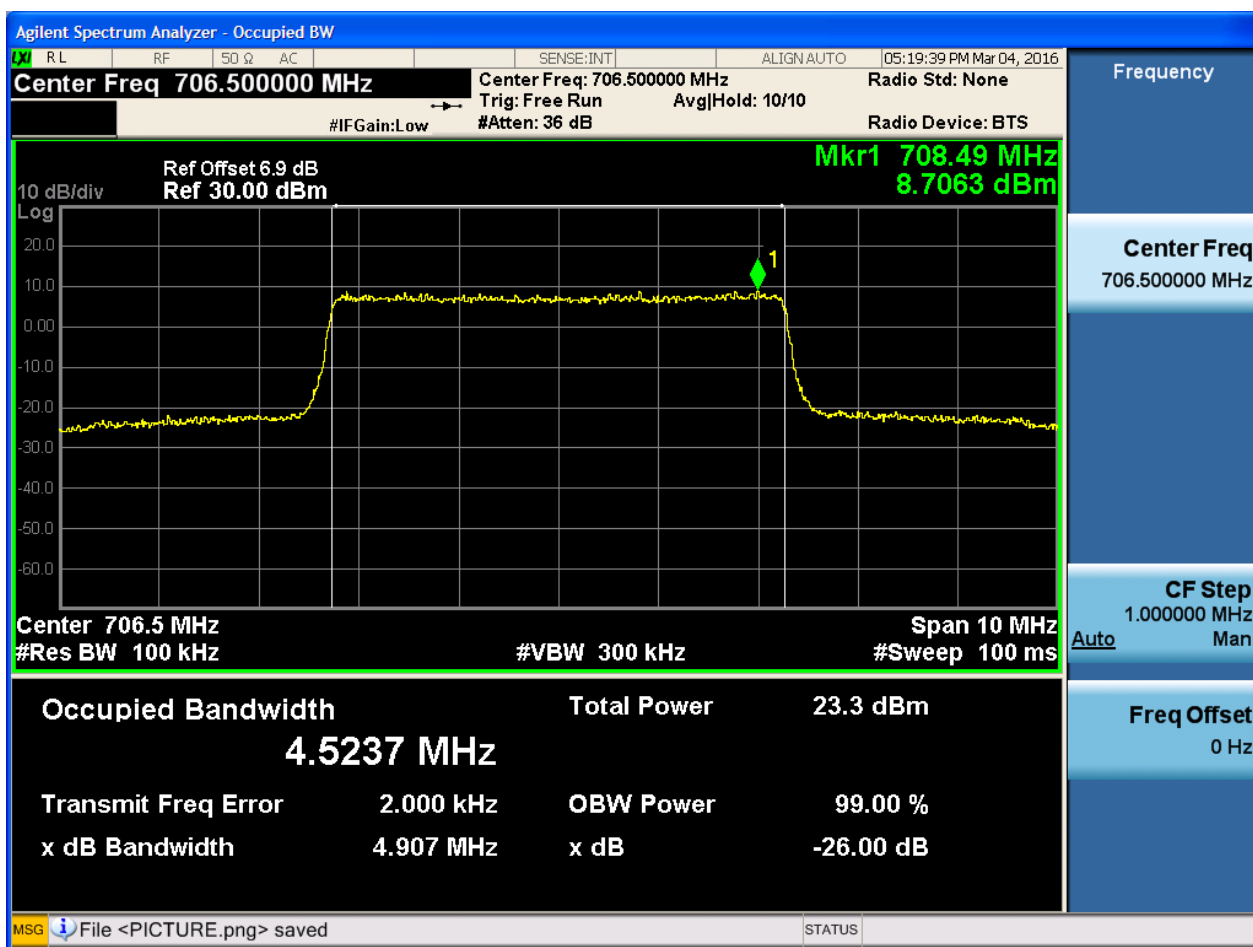


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

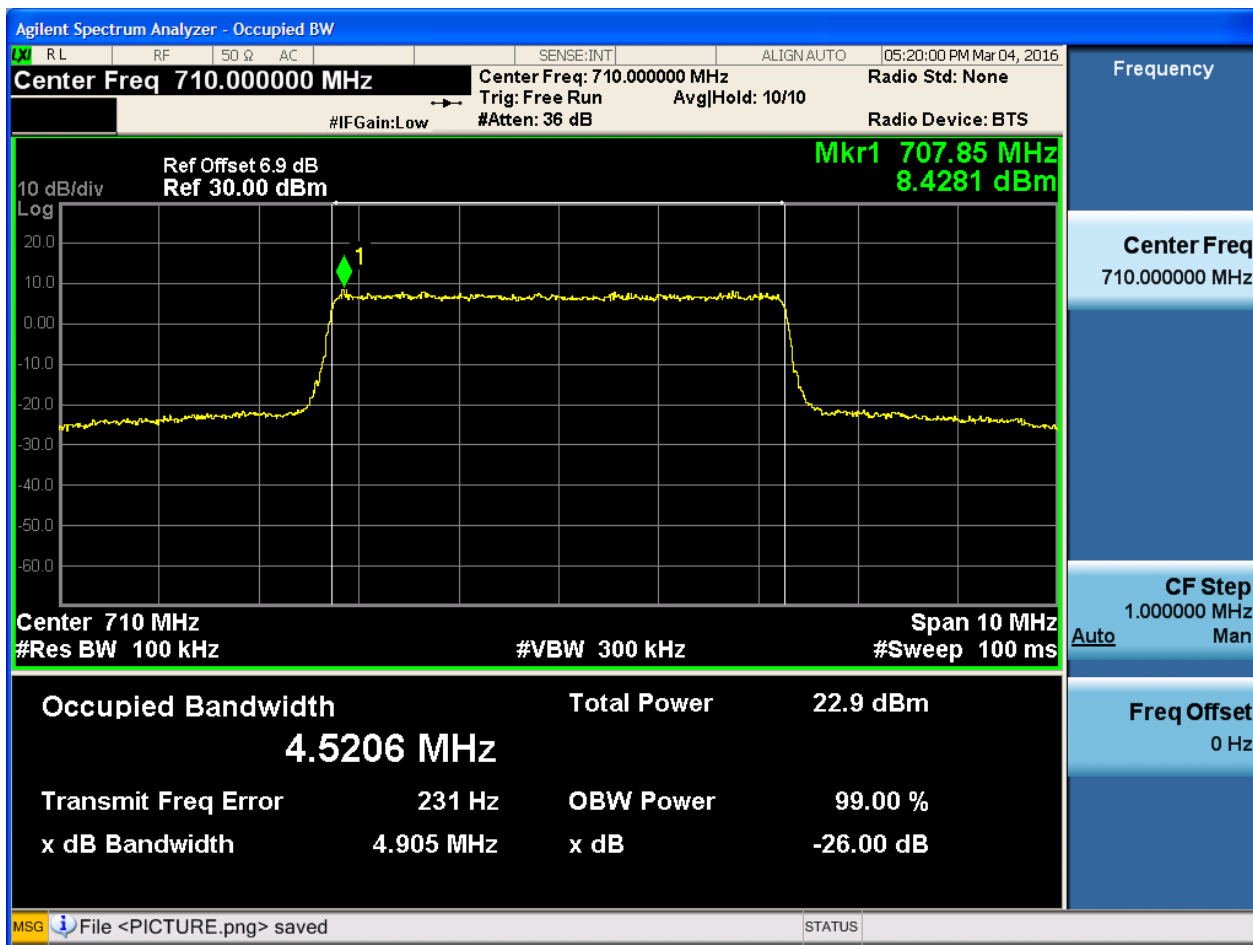
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

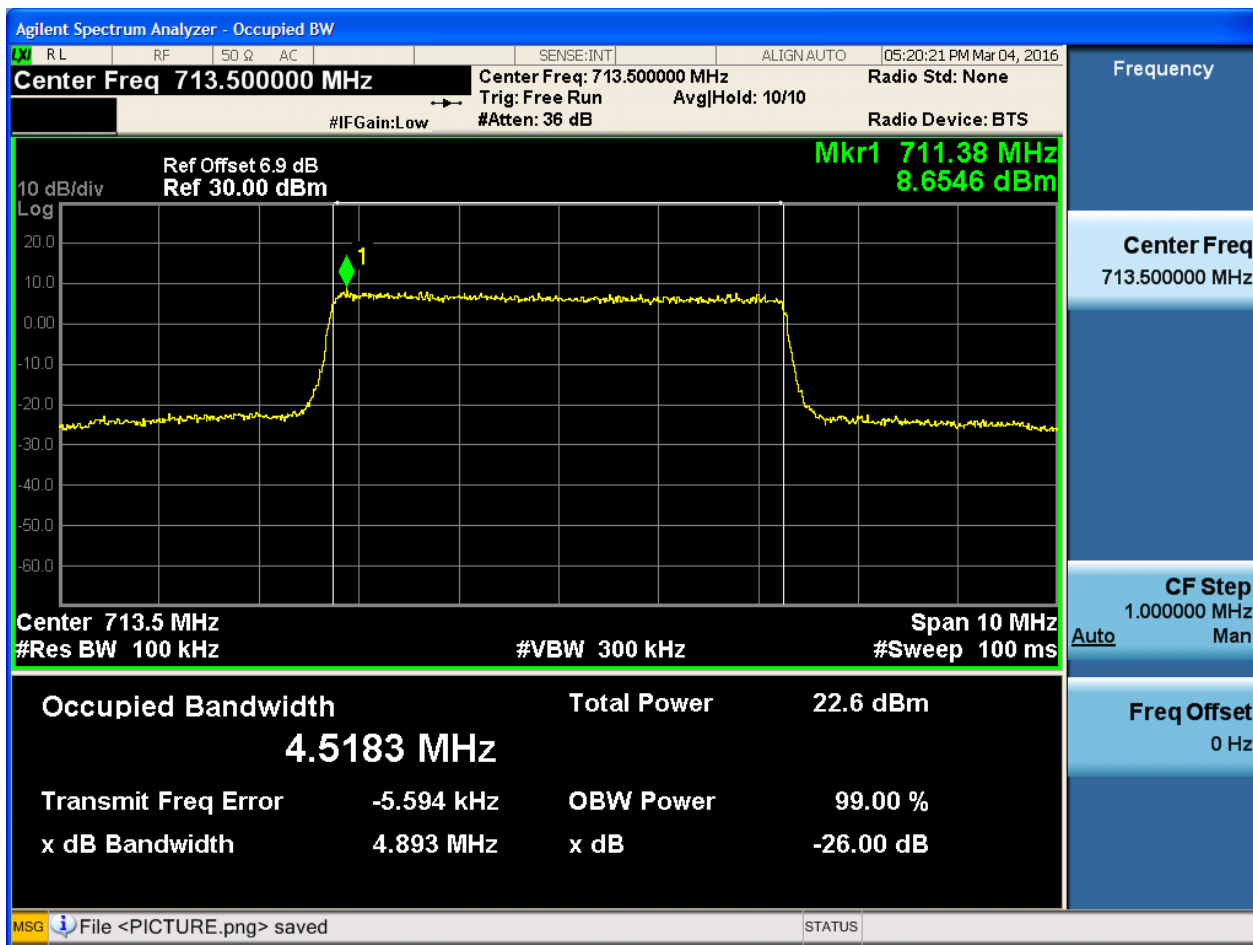
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

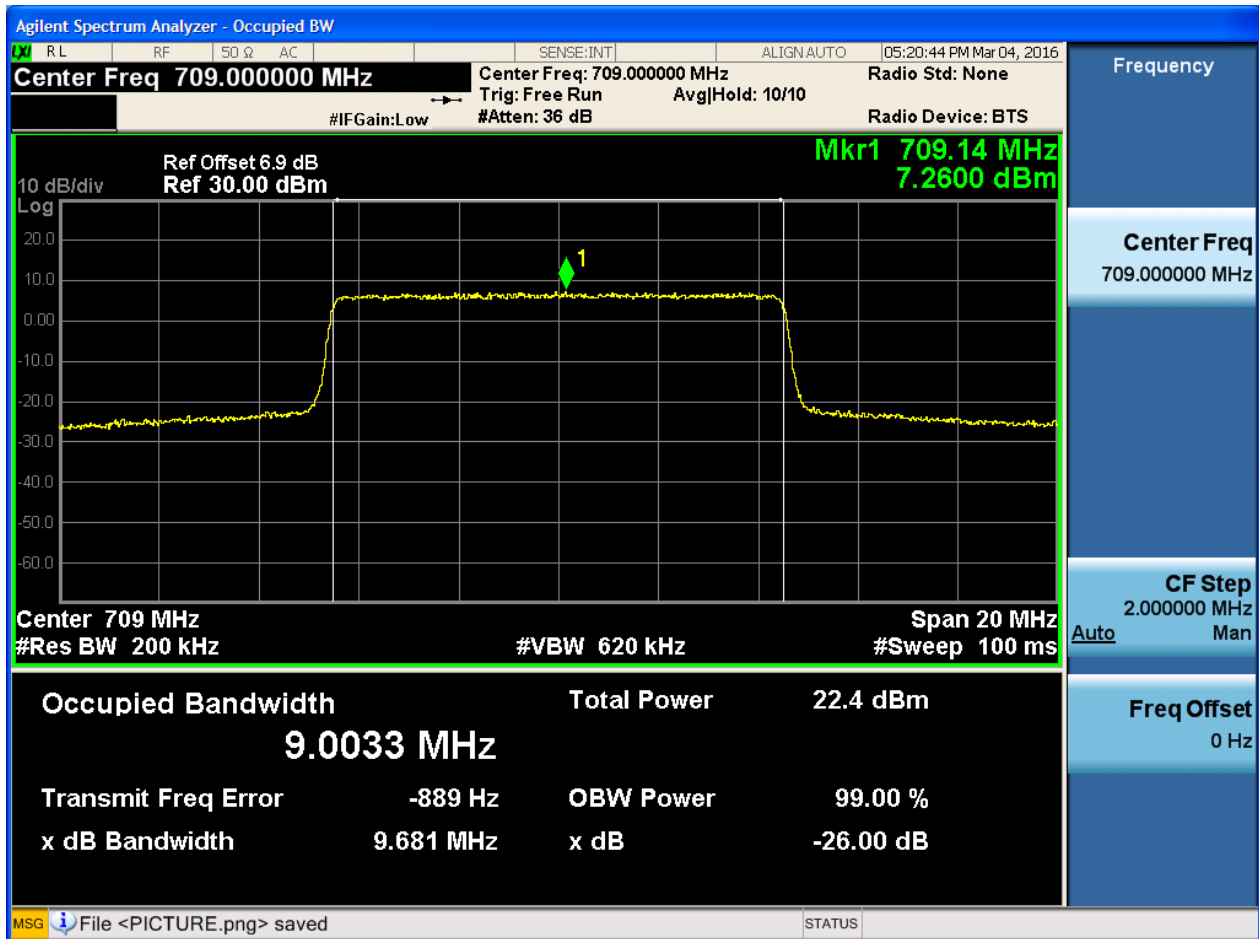




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

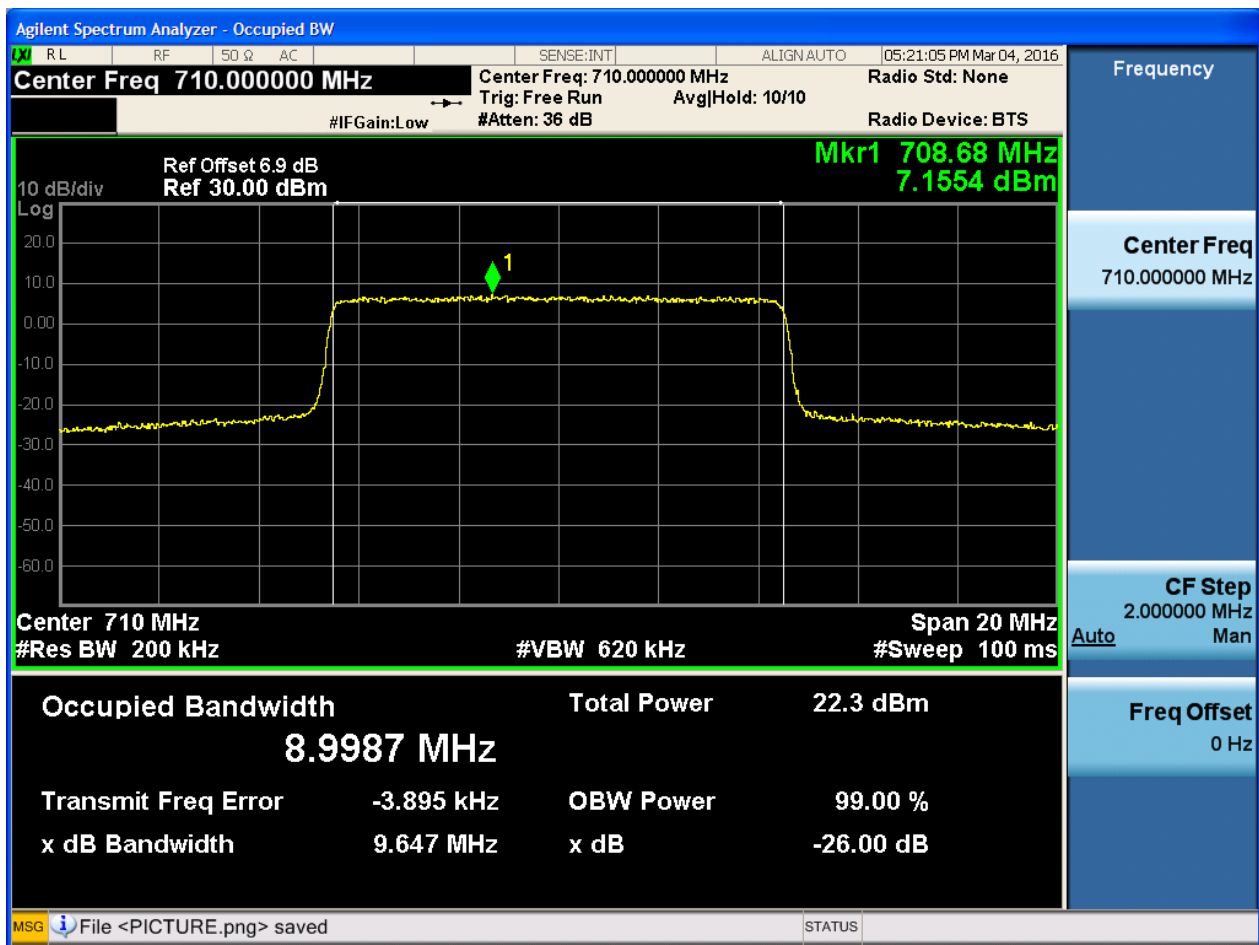
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

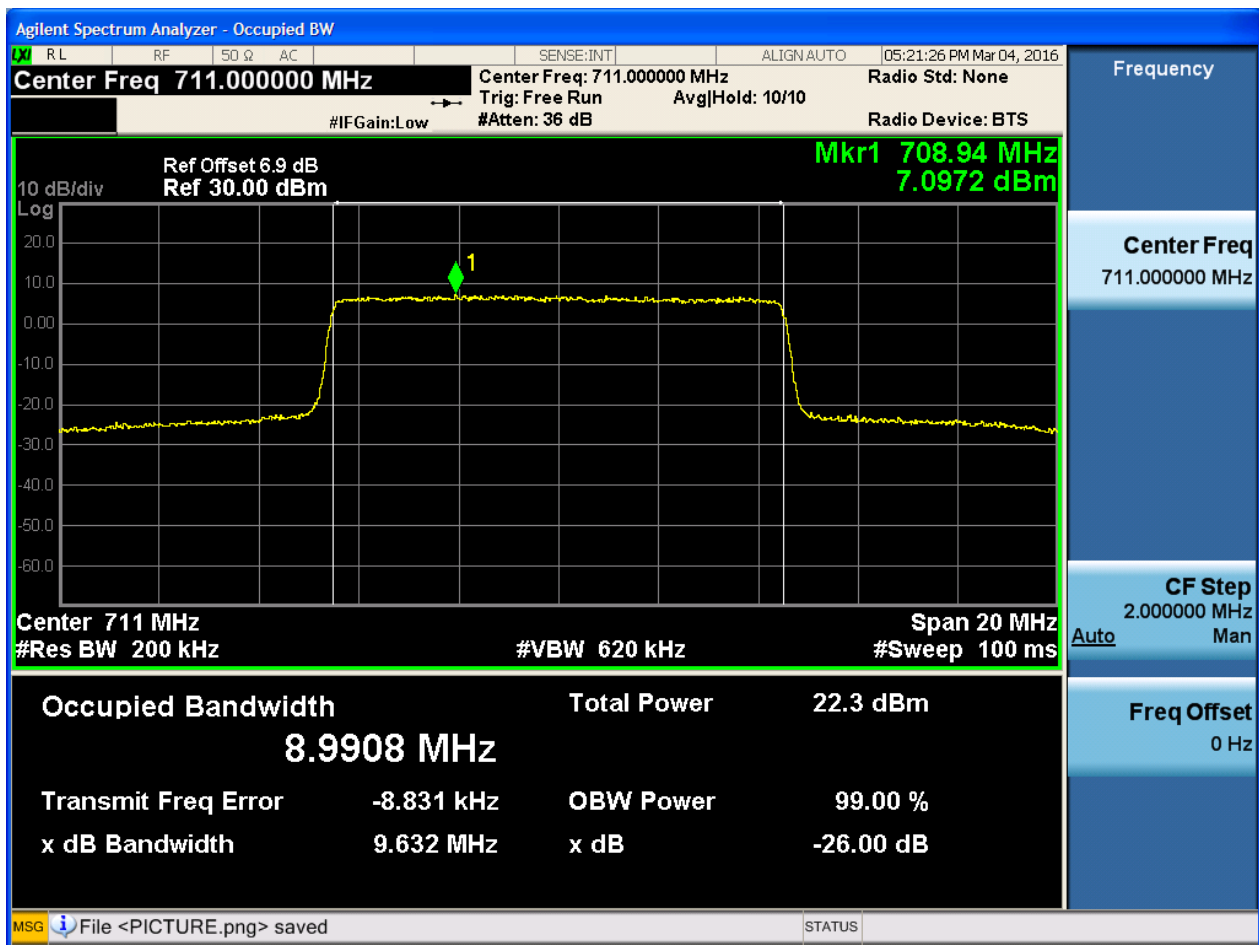
4.1.1.2.2.2.1 Test RB = RB50#0





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

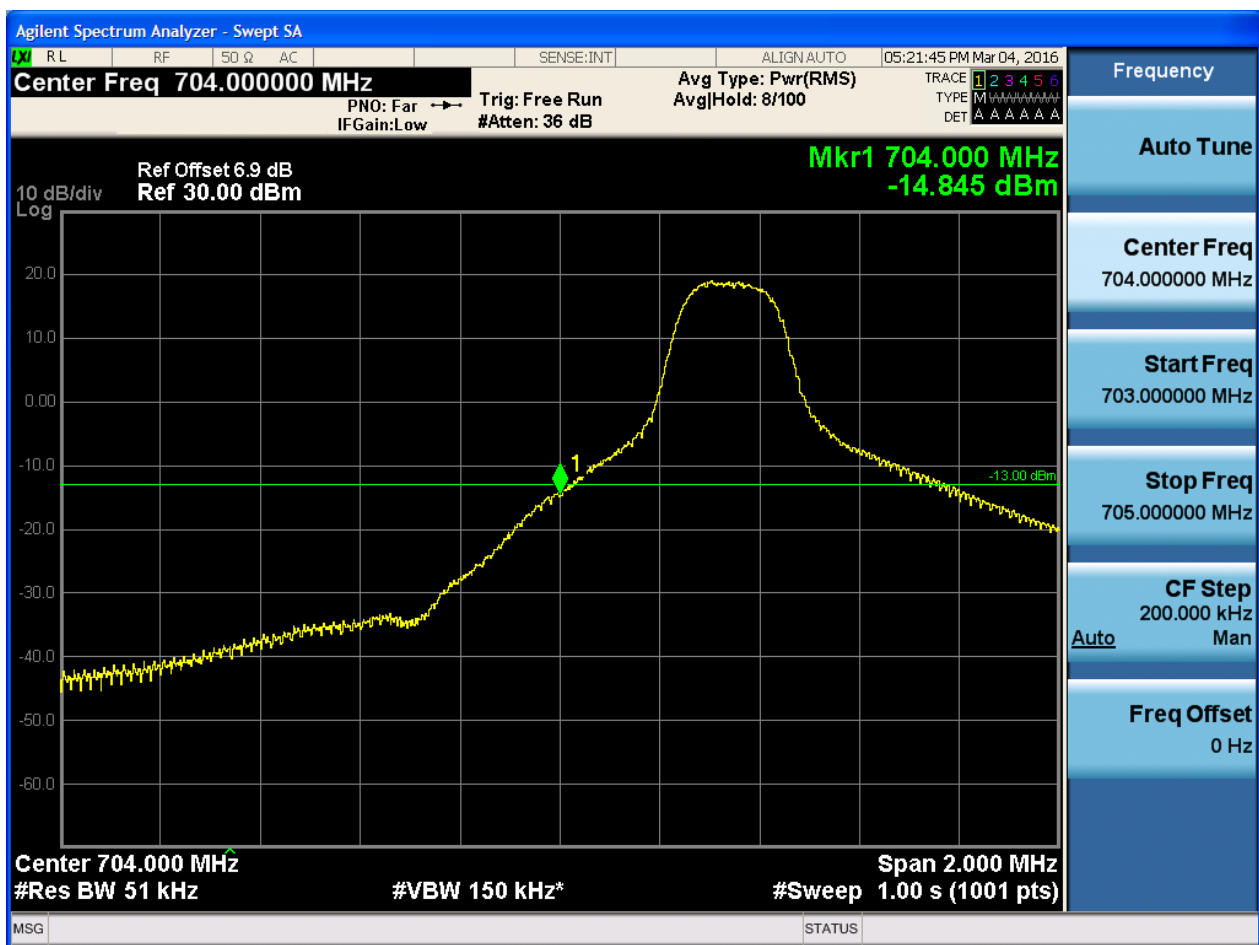
5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

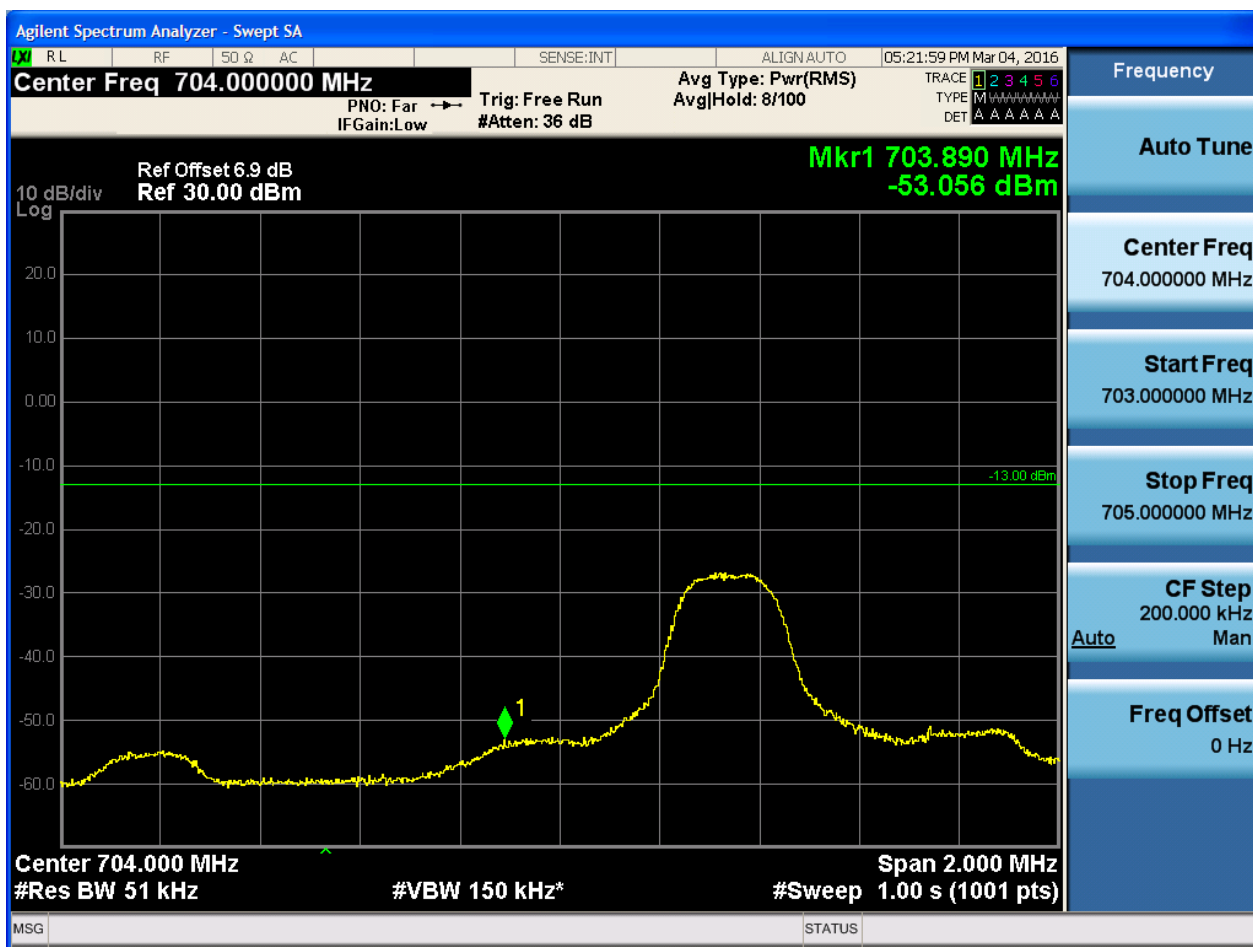
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



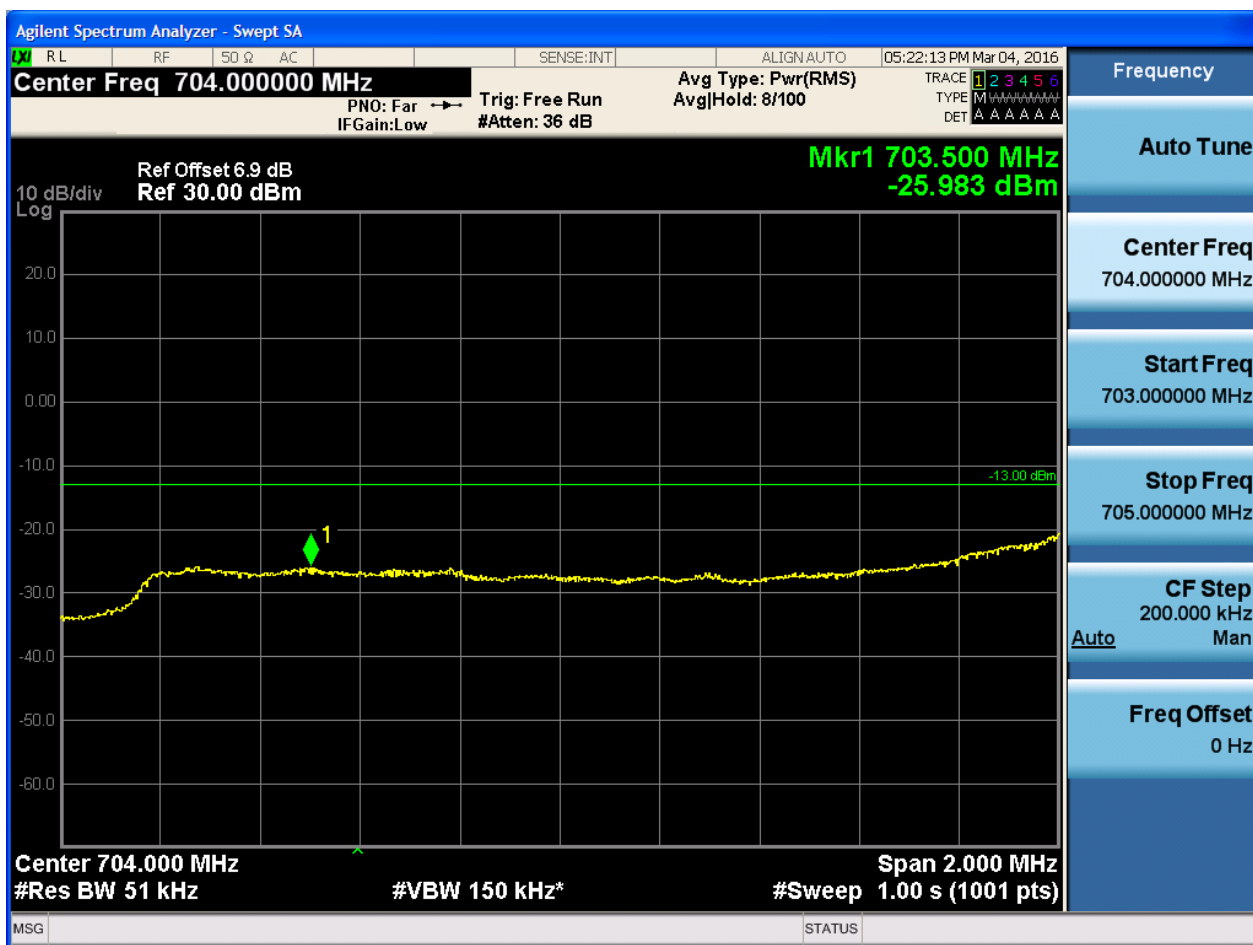


5.1.1.1.1.2 Test RB = RB1#24



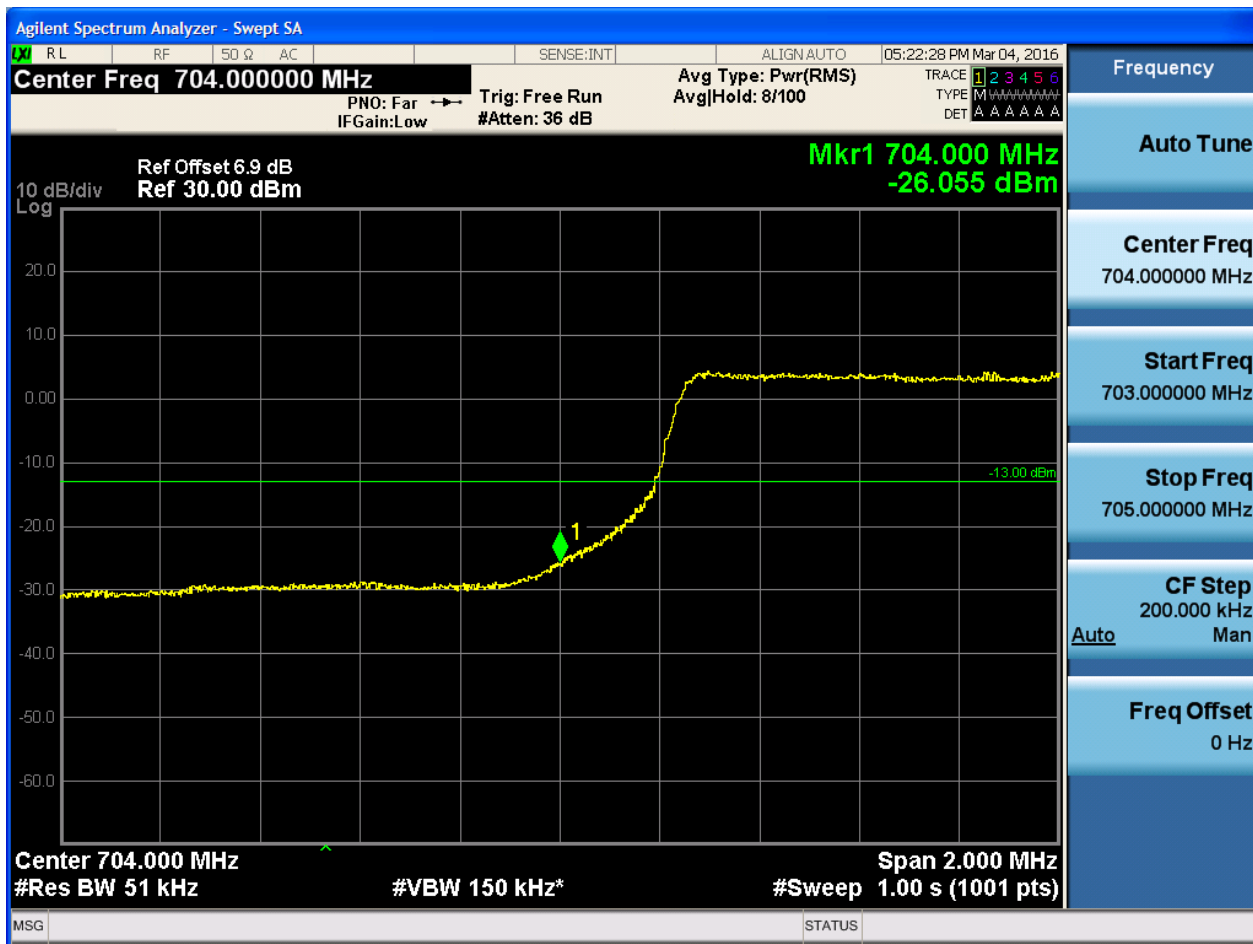


5.1.1.1.1.3 Test RB = RB12#6



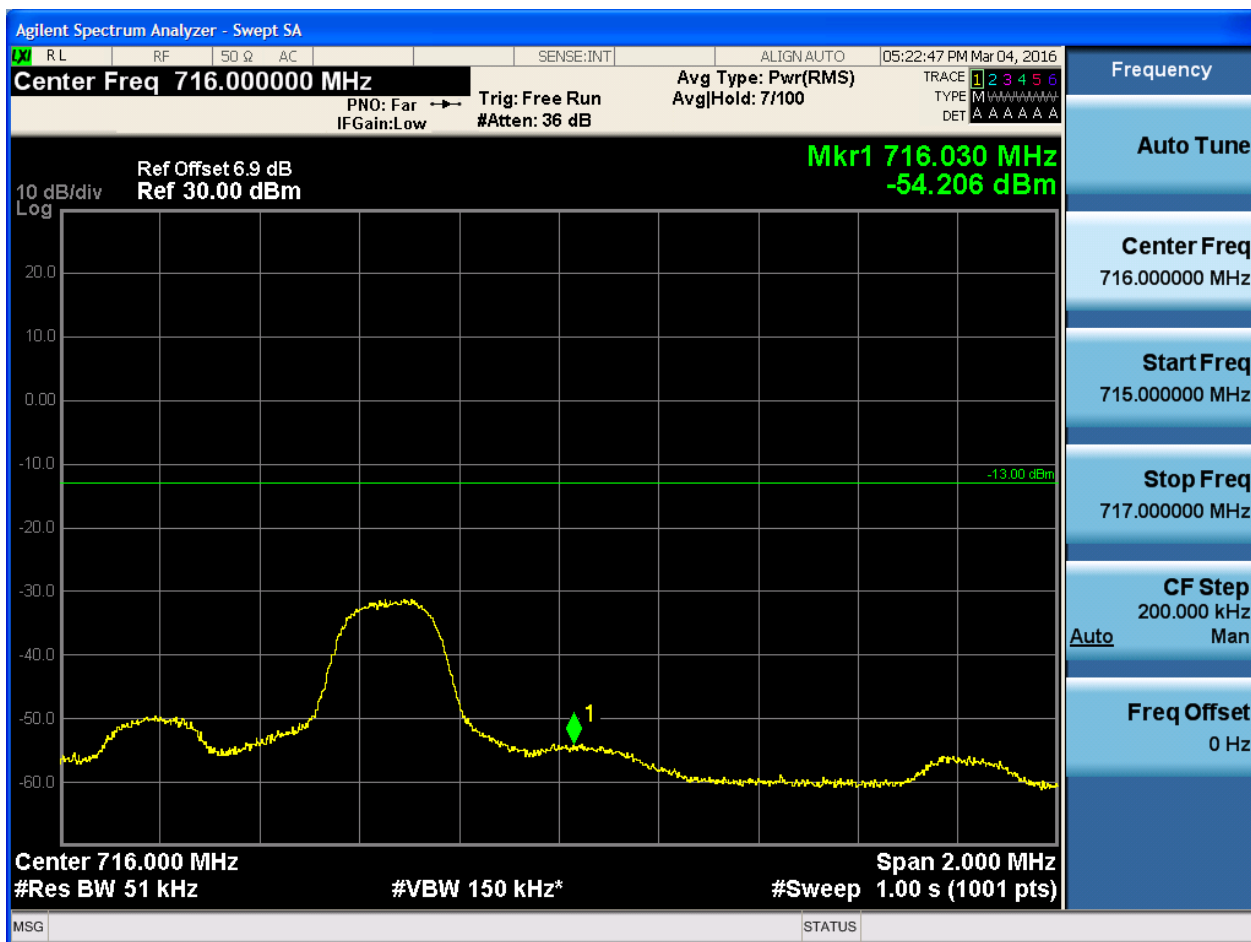


5.1.1.1.1.4 Test RB = RB25#0



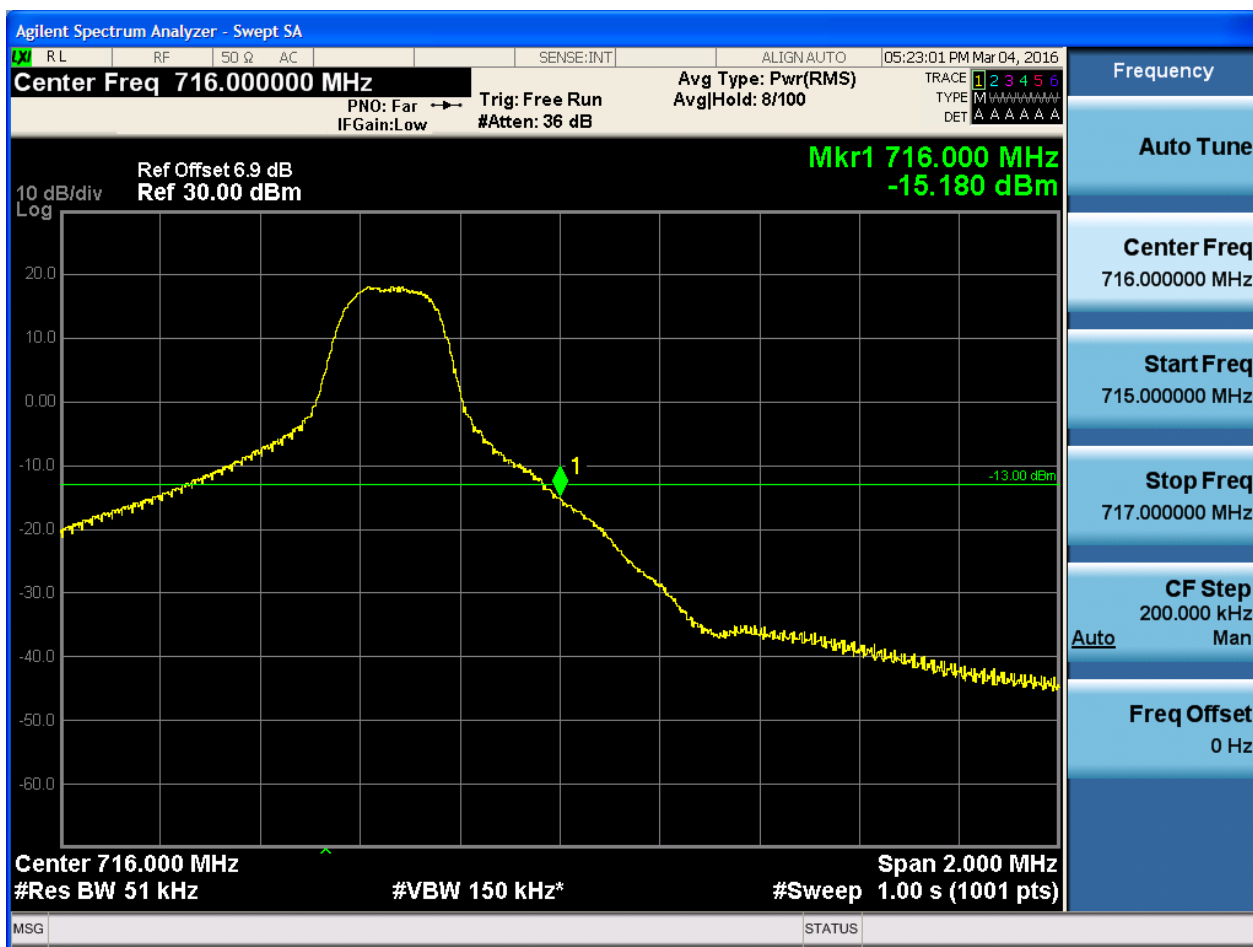
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



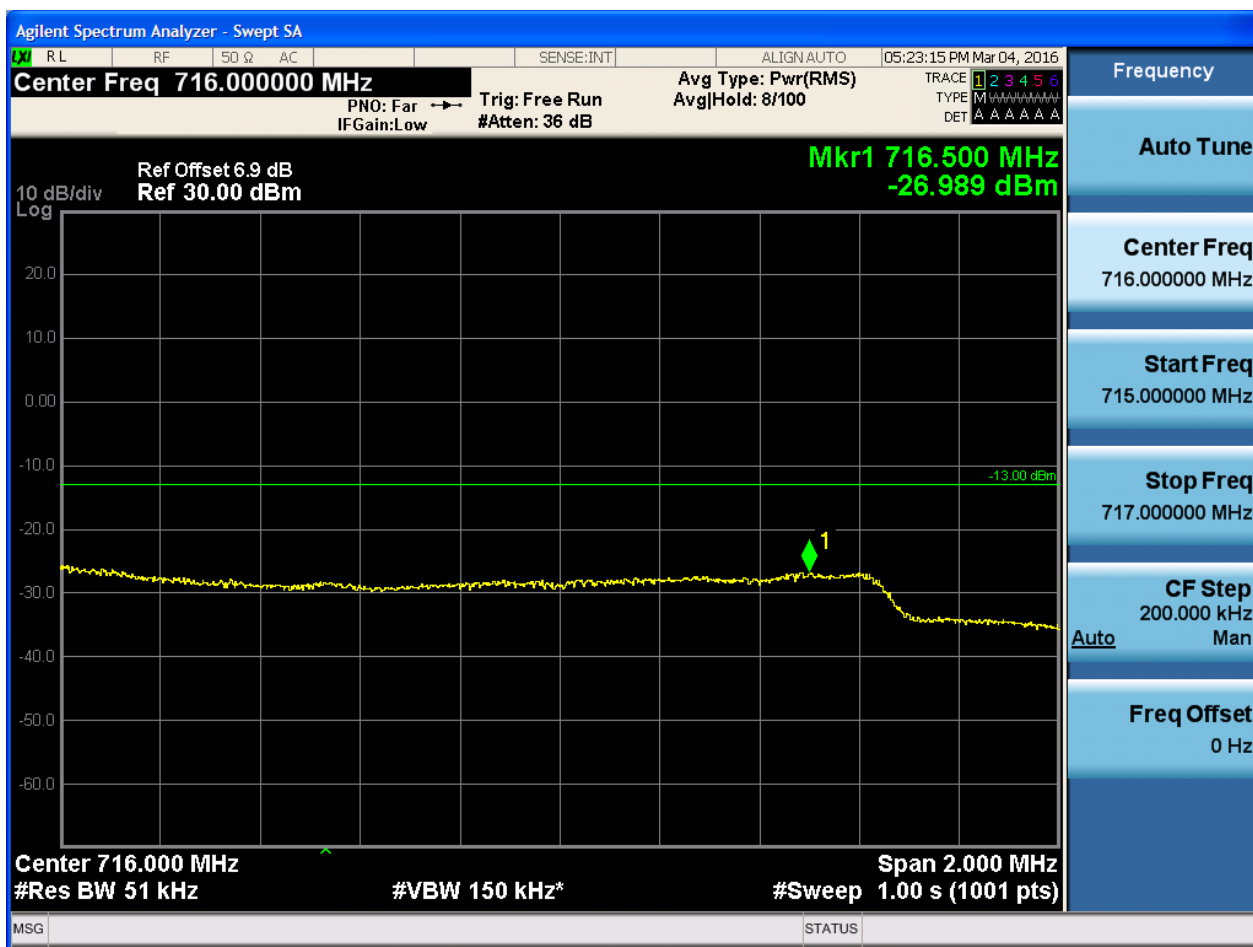


5.1.1.1.2.2 Test RB = RB1#24





5.1.1.1.2.3 Test RB = RB12#6





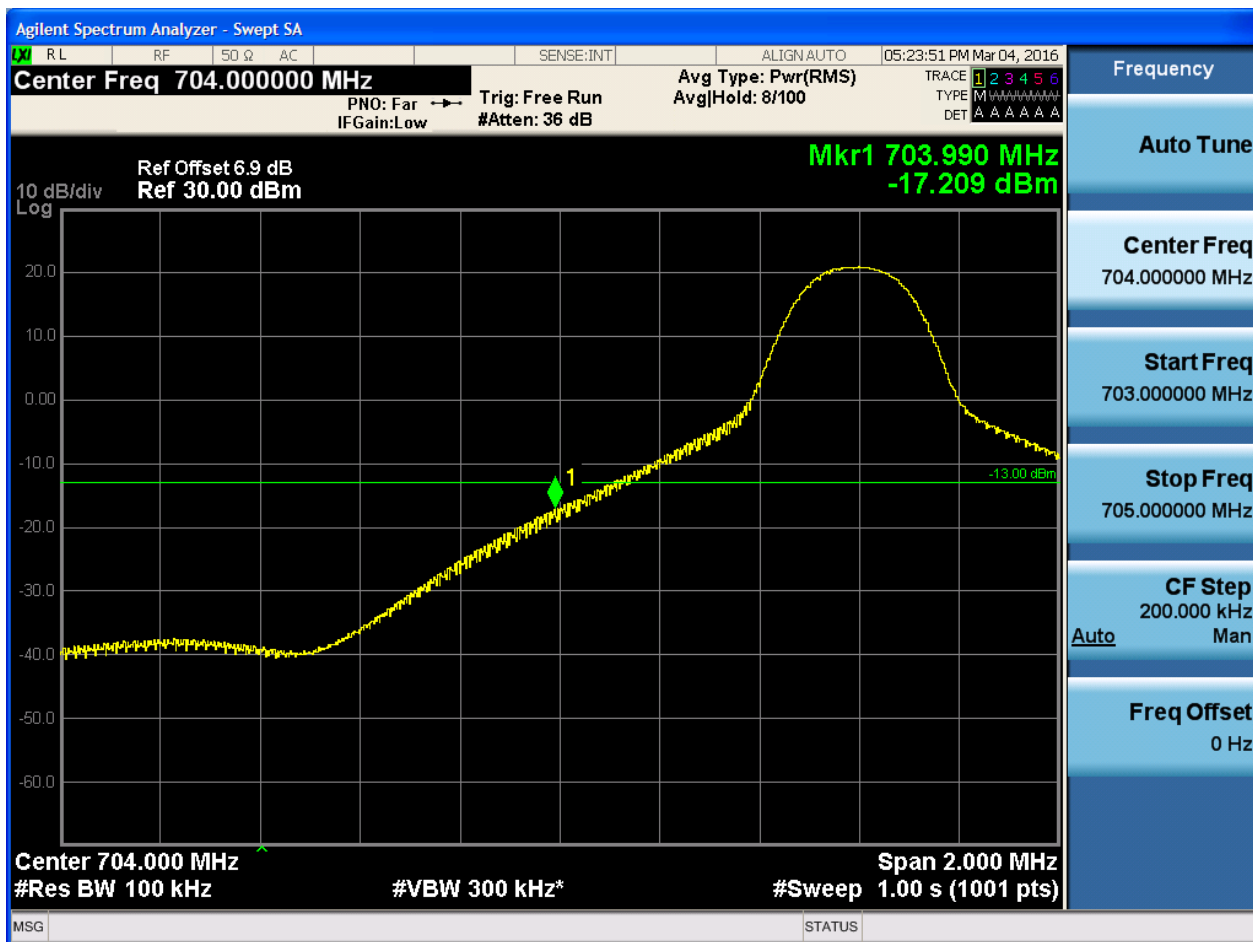
5.1.1.1.2.4 Test RB = RB25#0



5.1.1.1.2 Test Bandwidth = 10

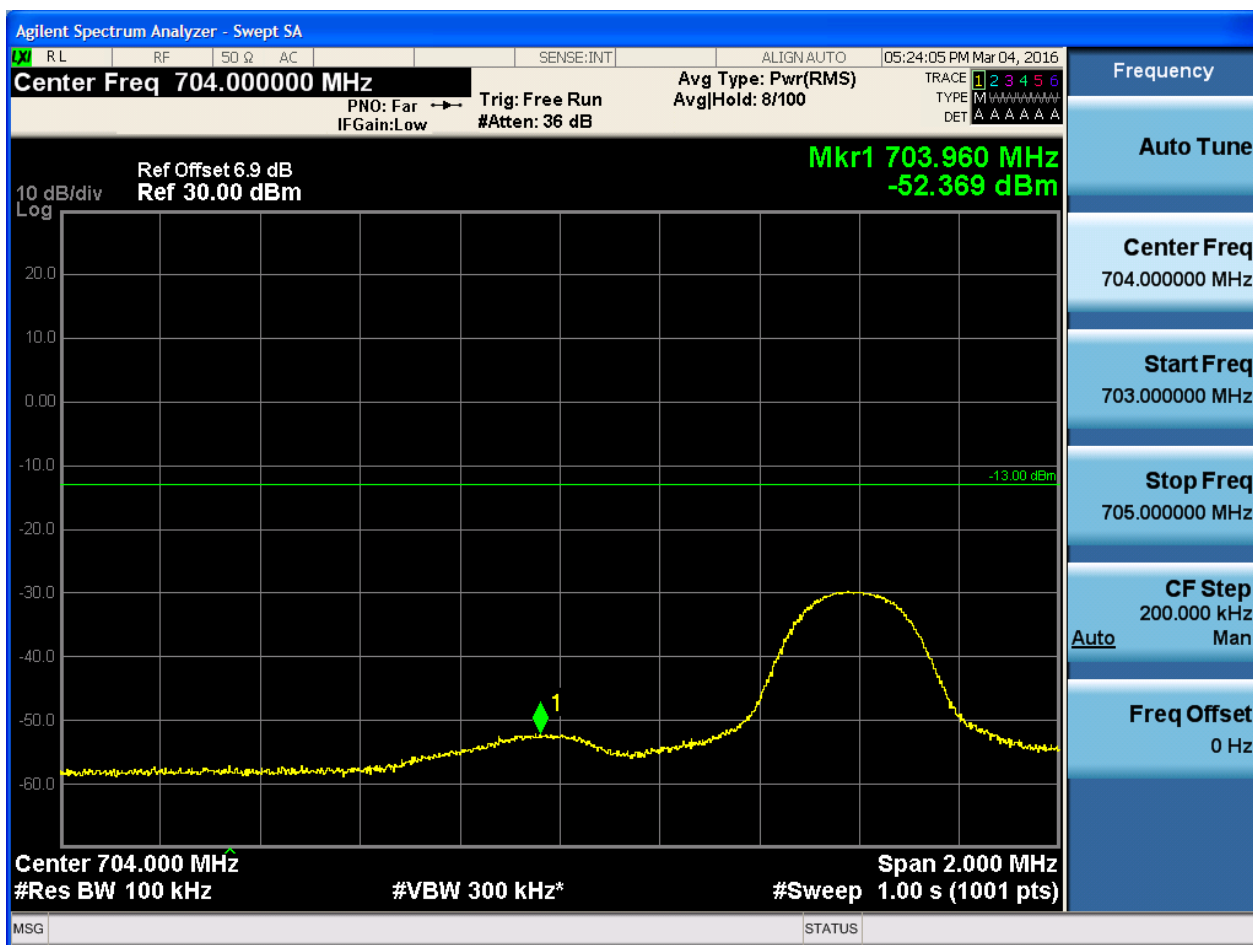
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



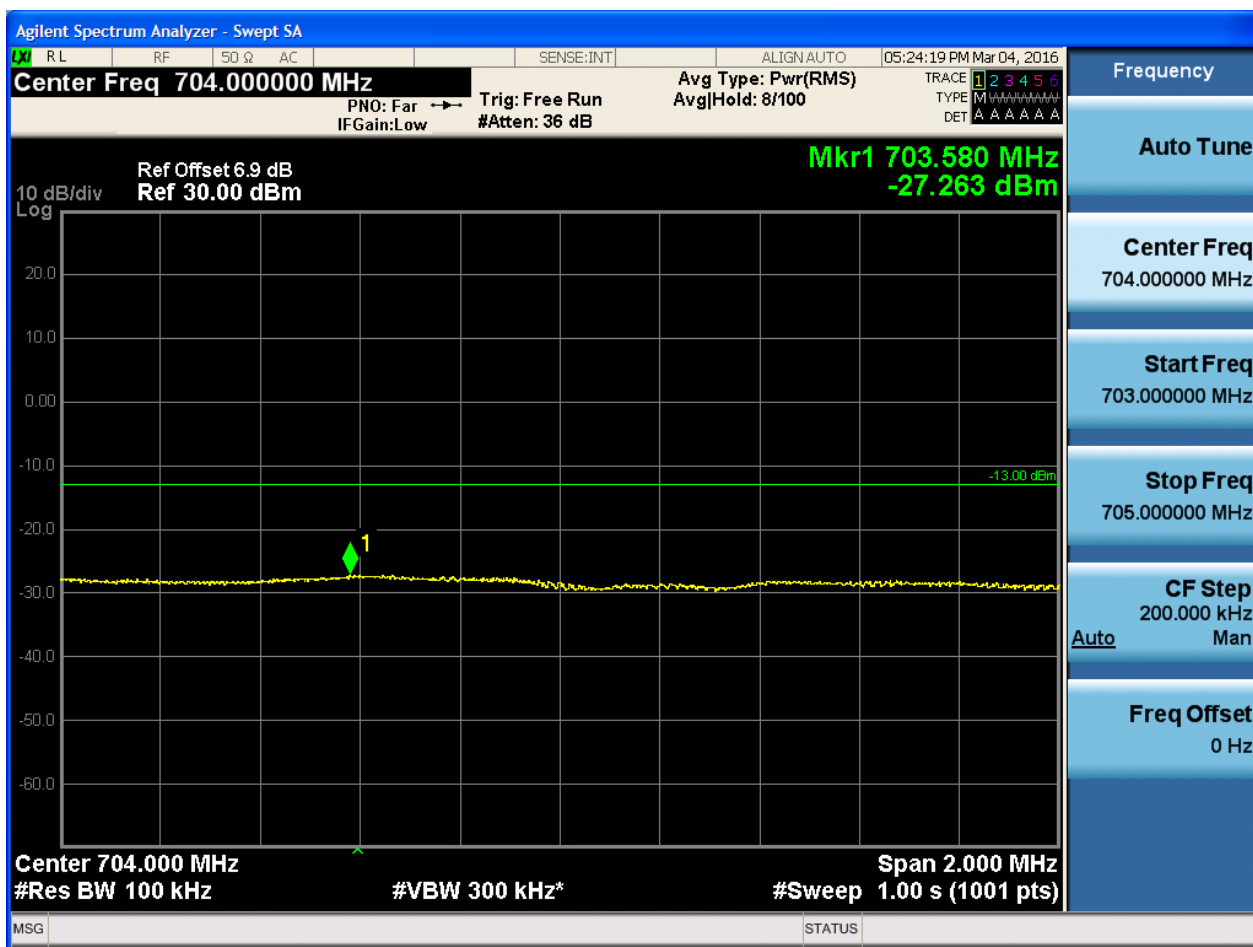


5.1.1.1.2.1.2 Test RB = RB1#49





5.1.1.1.2.1.3 Test RB = RB25#13





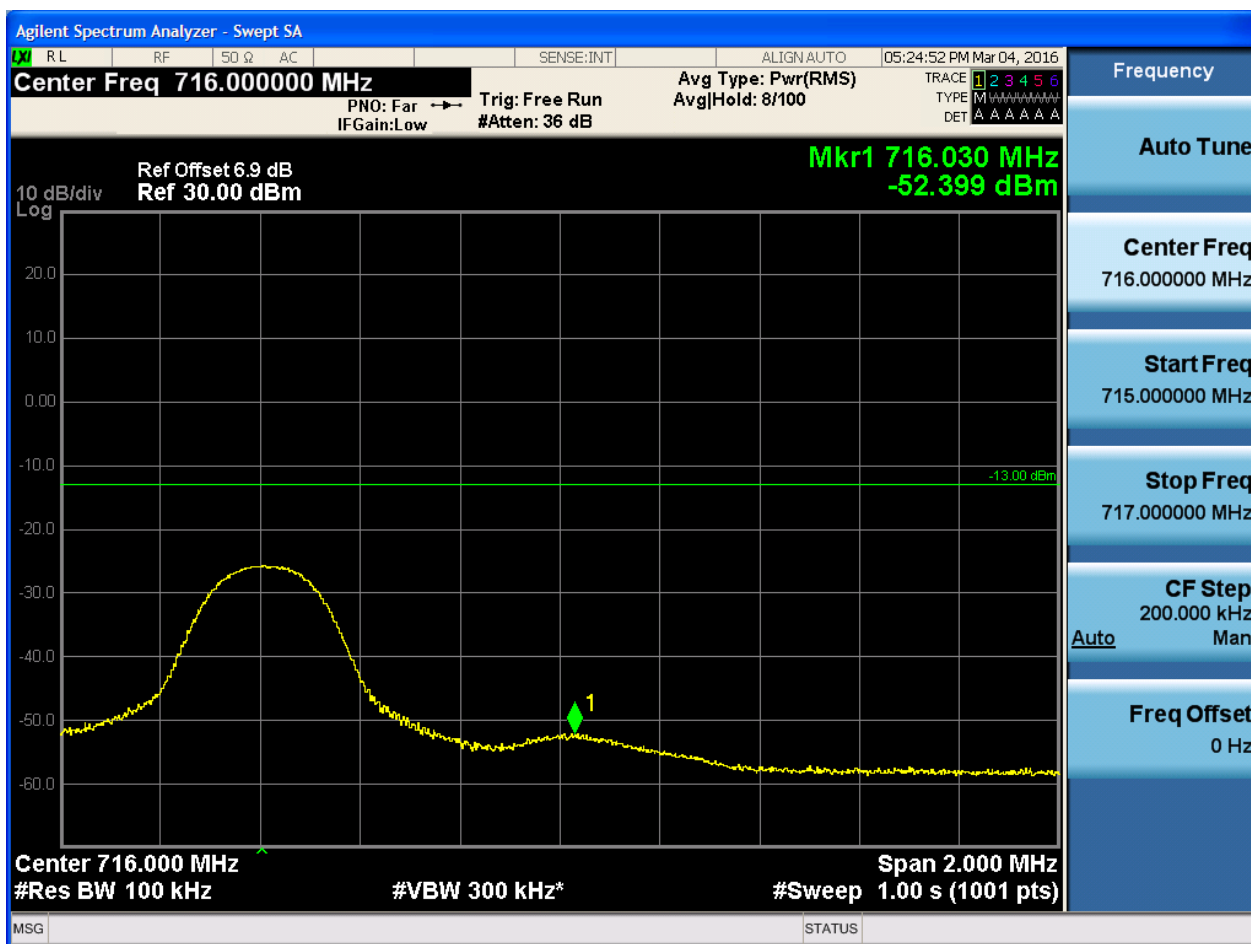
5.1.1.1.2.1.4 Test RB = RB50#0





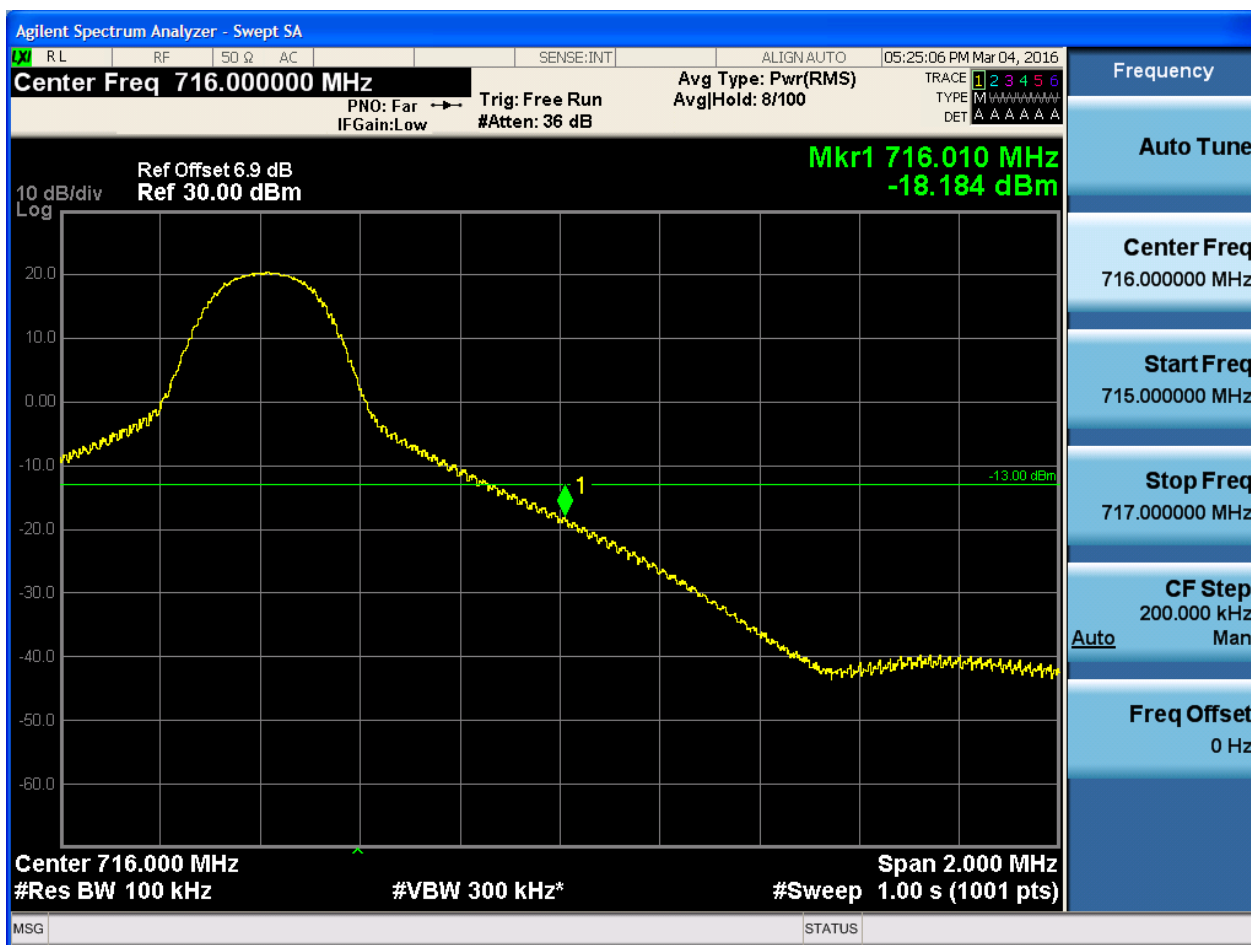
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



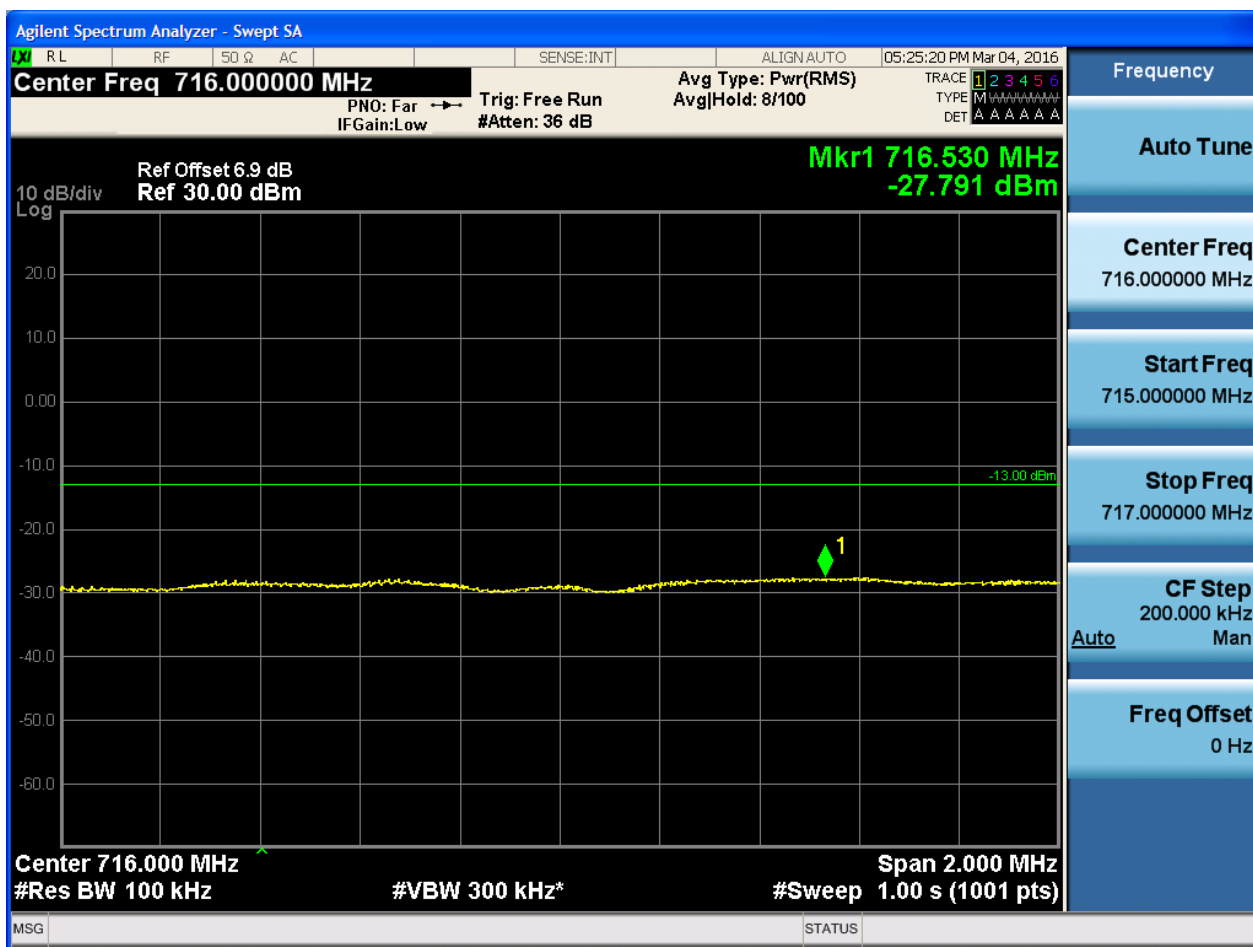


5.1.1.1.2.2.2 Test RB = RB1#49



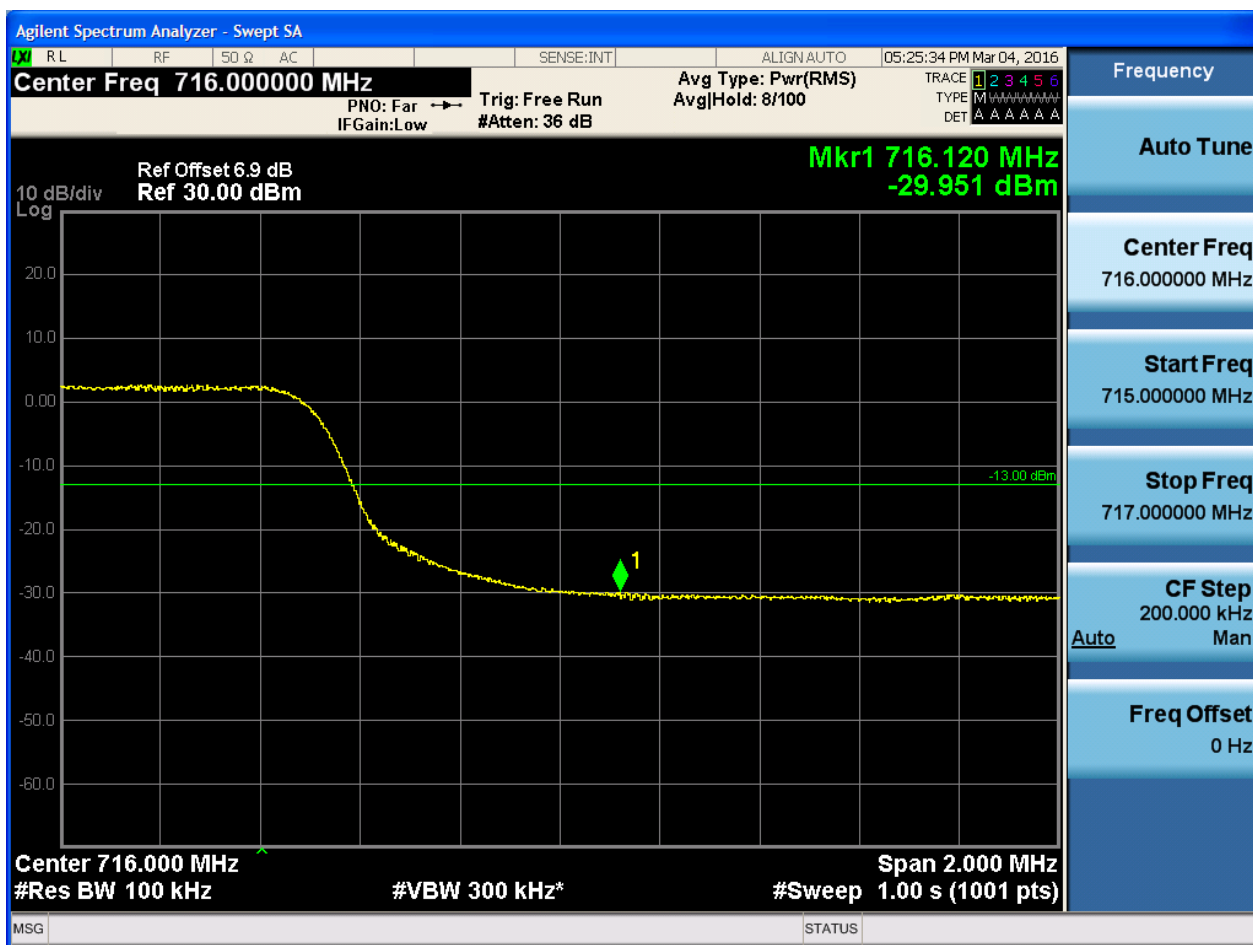


5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0



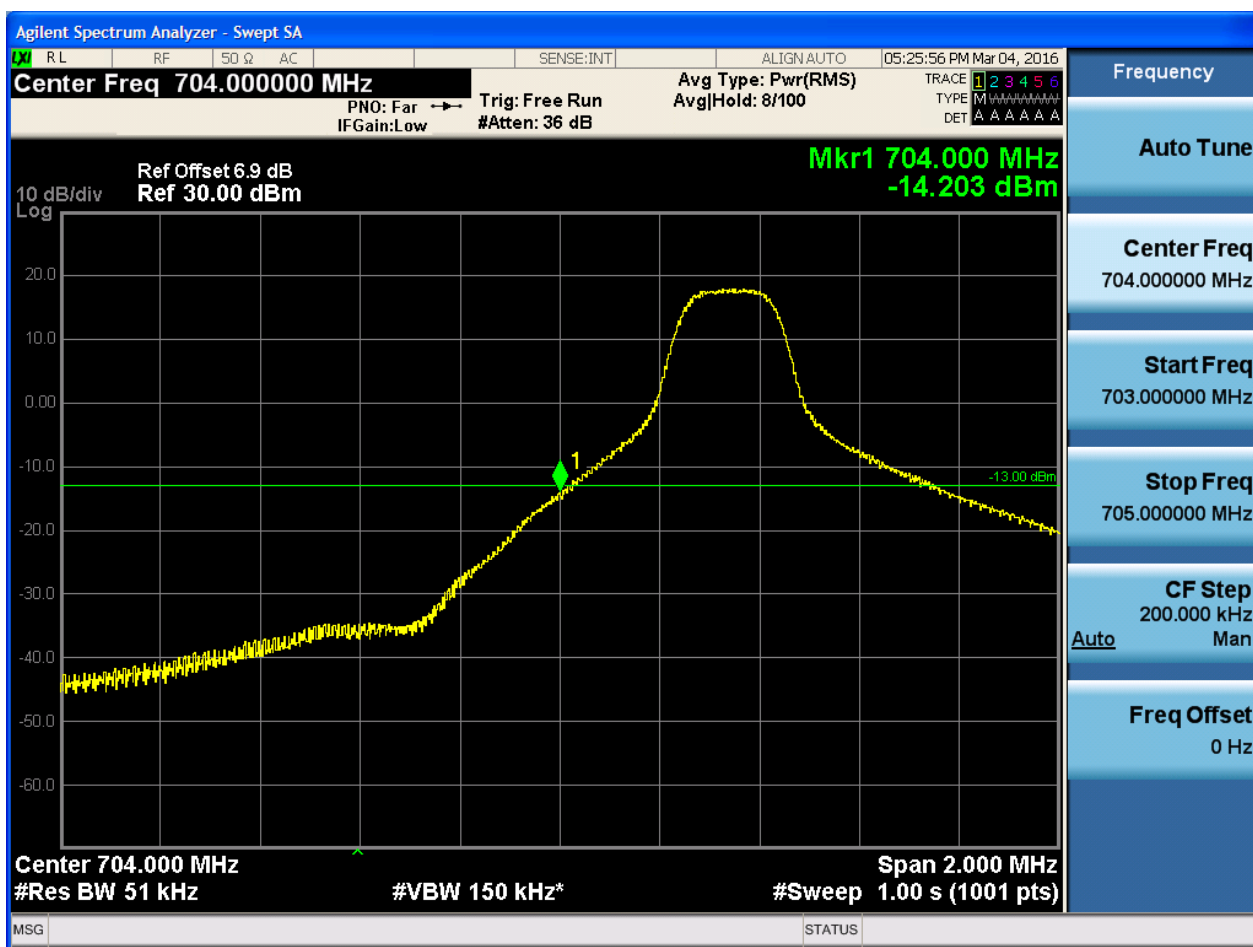


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

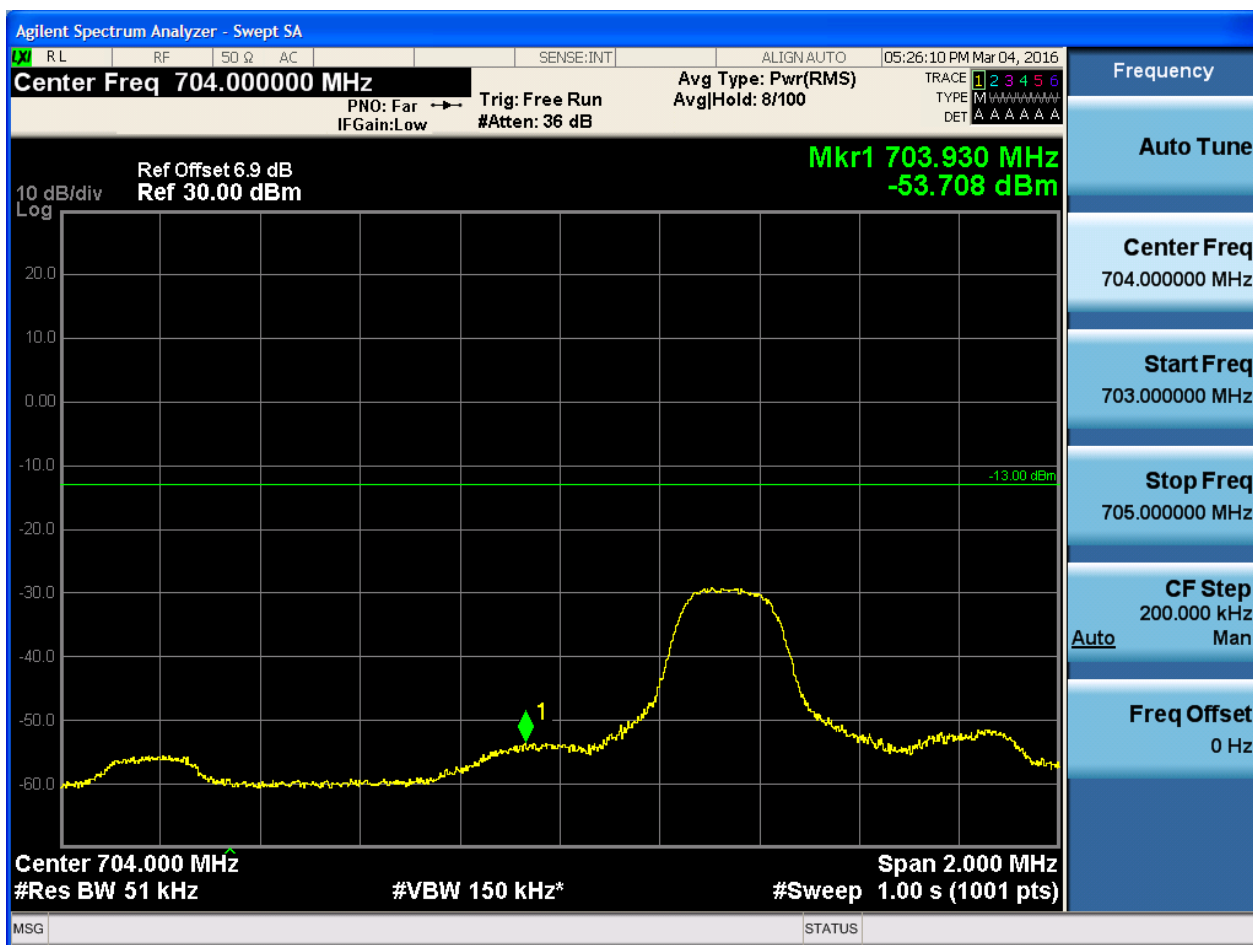
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



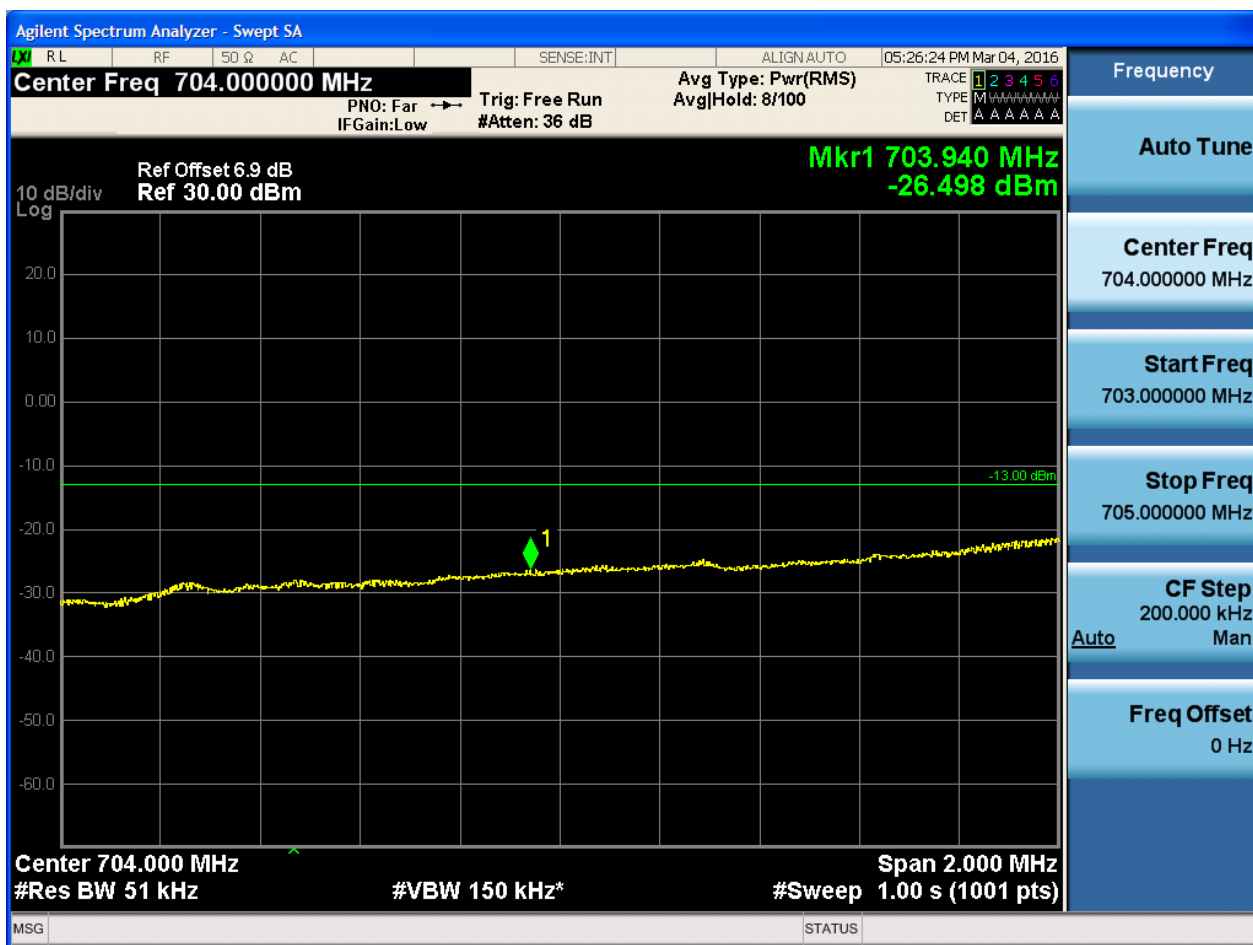


5.1.1.2.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6



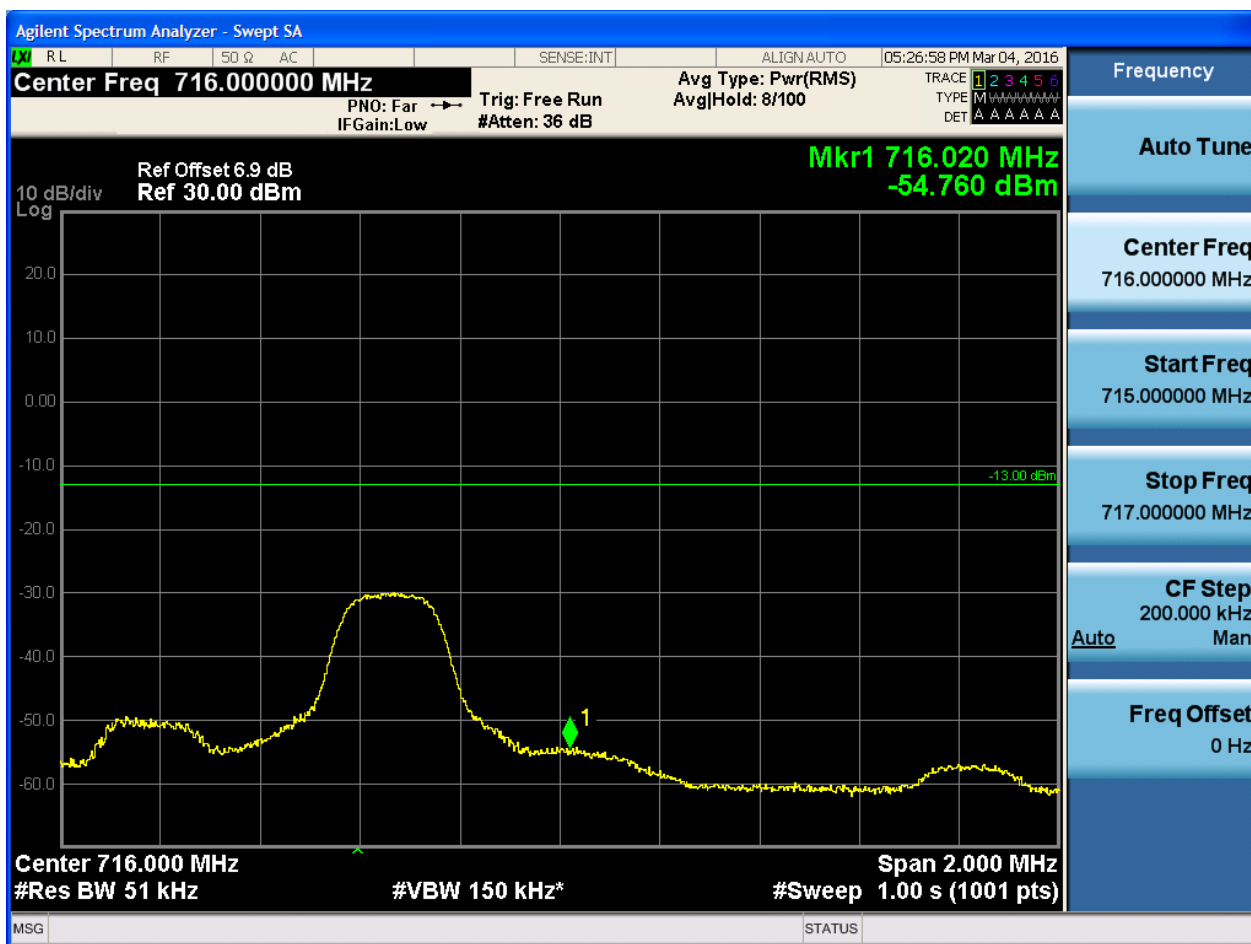


5.1.1.2.1.1.4 Test RB = RB25#0



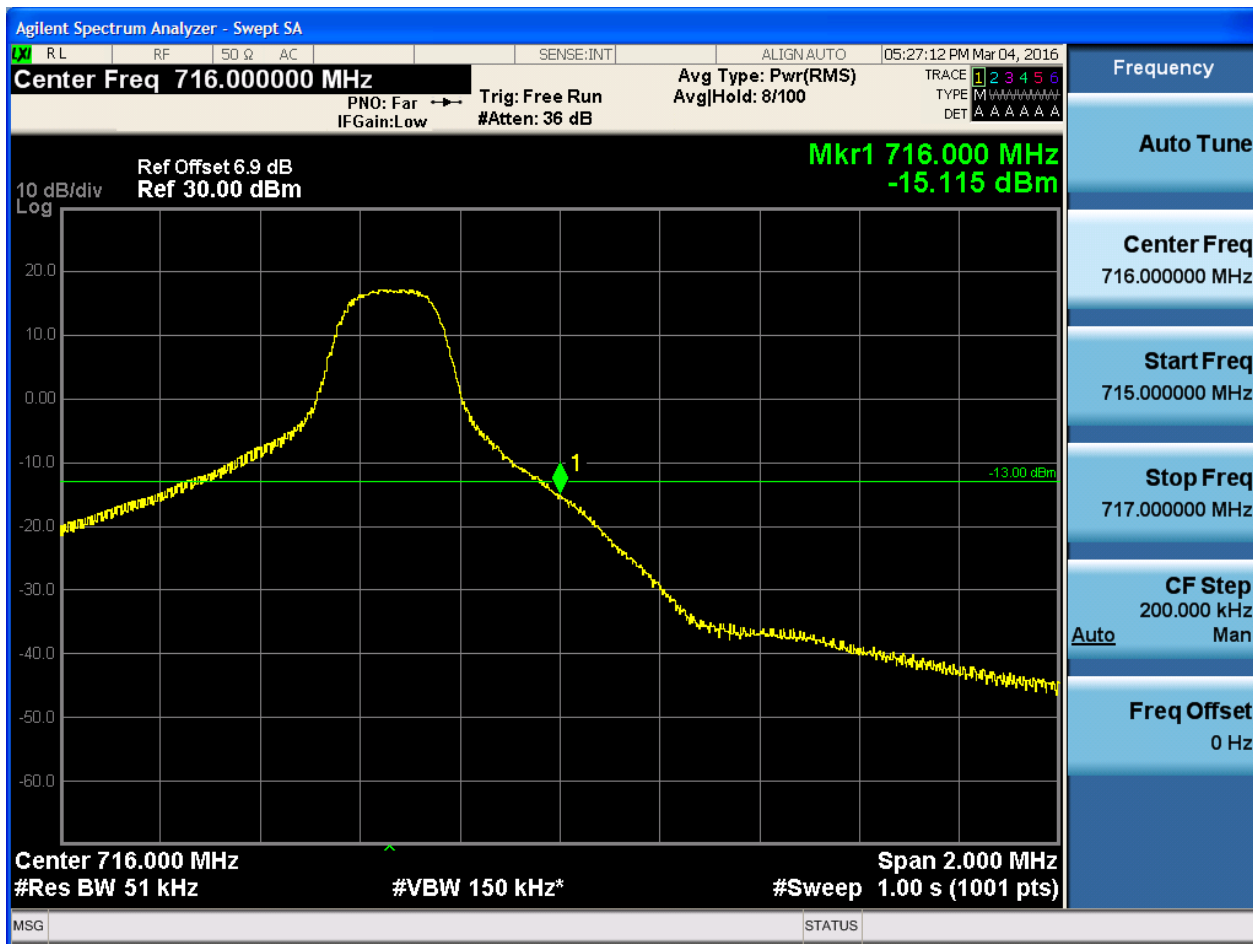
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



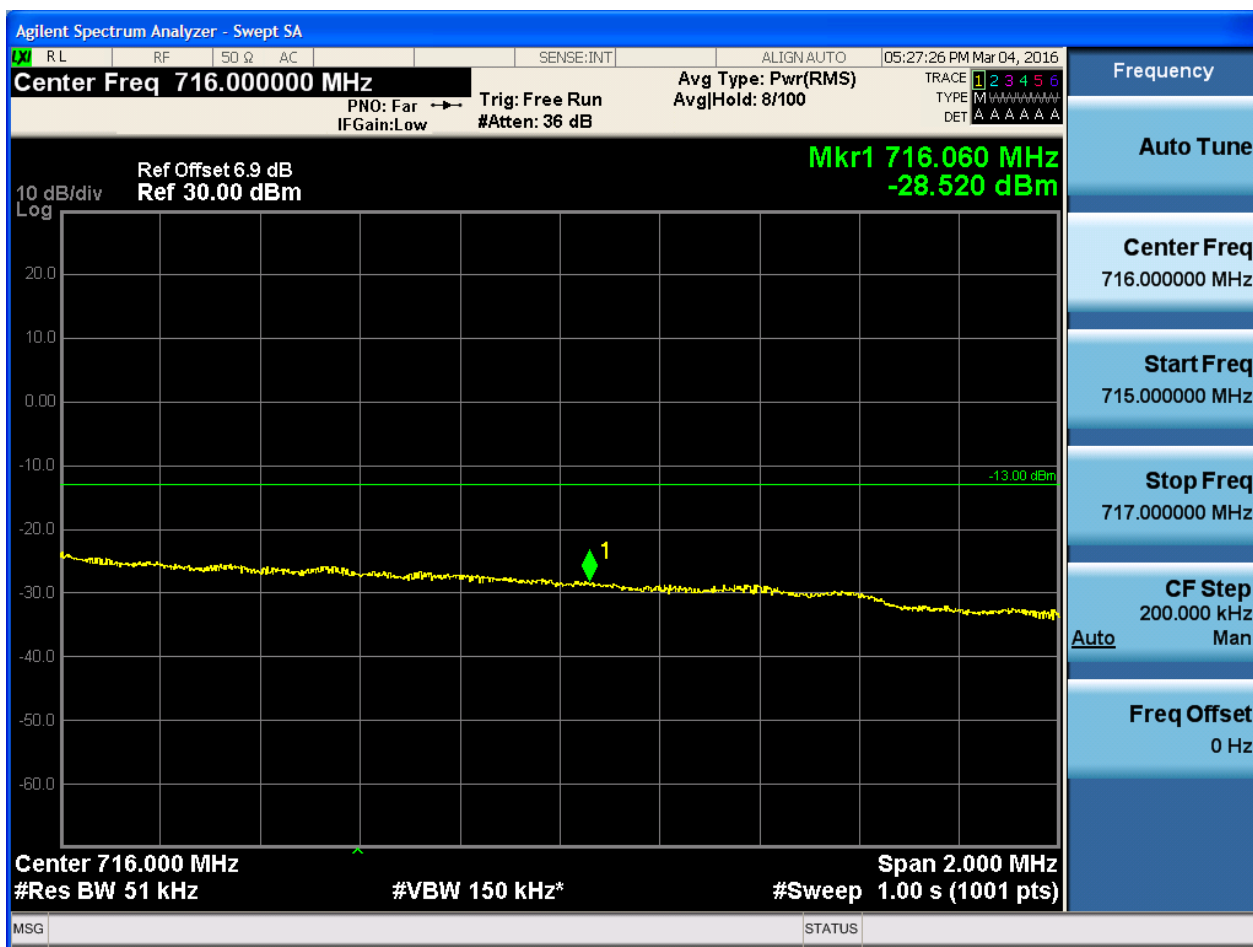


5.1.1.2.1.2.2 Test RB = RB1#24





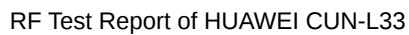
5.1.1.2.1.2.3 Test RB = RB12#6



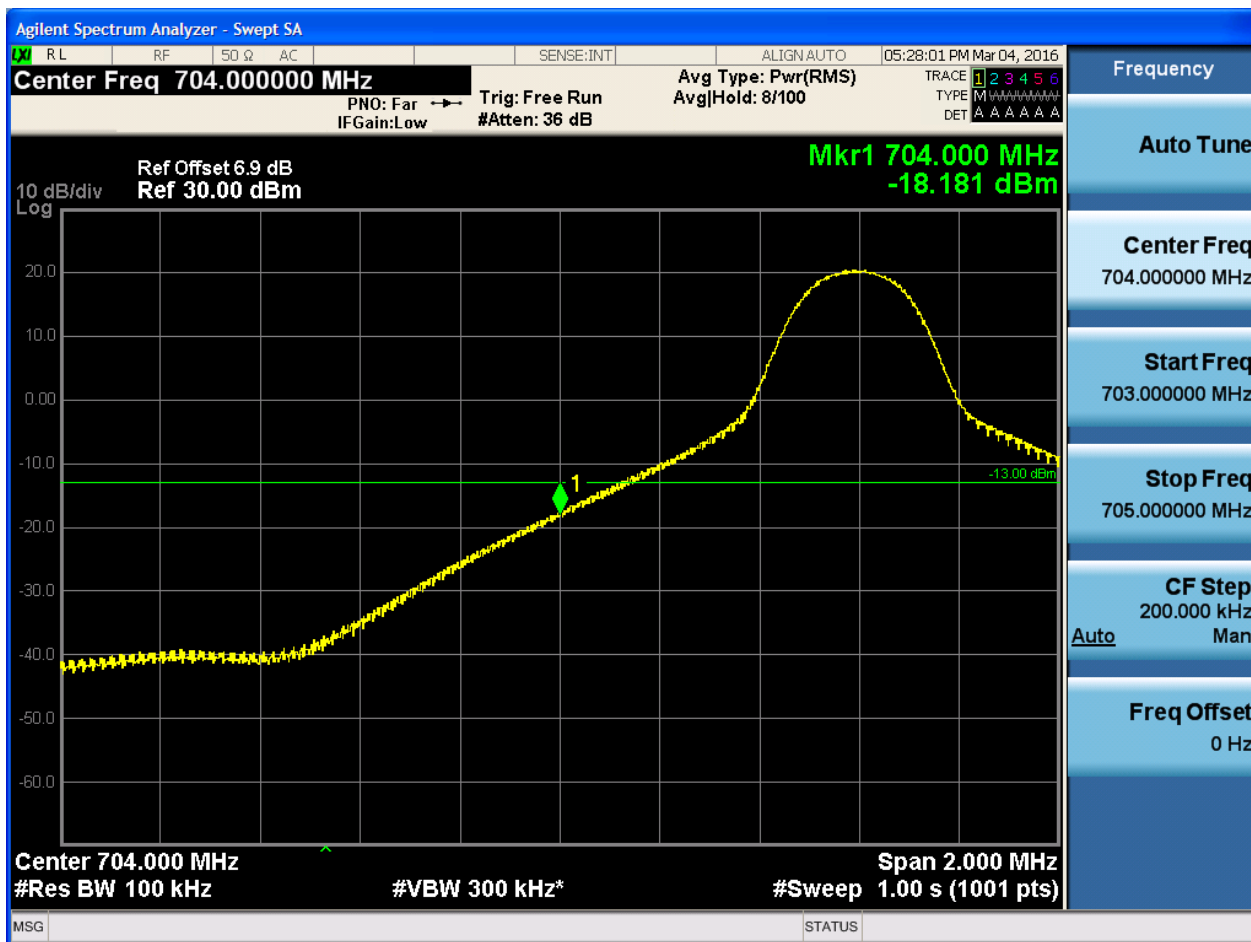


5.1.1.2.1.2.4 Test RB = RB25#0



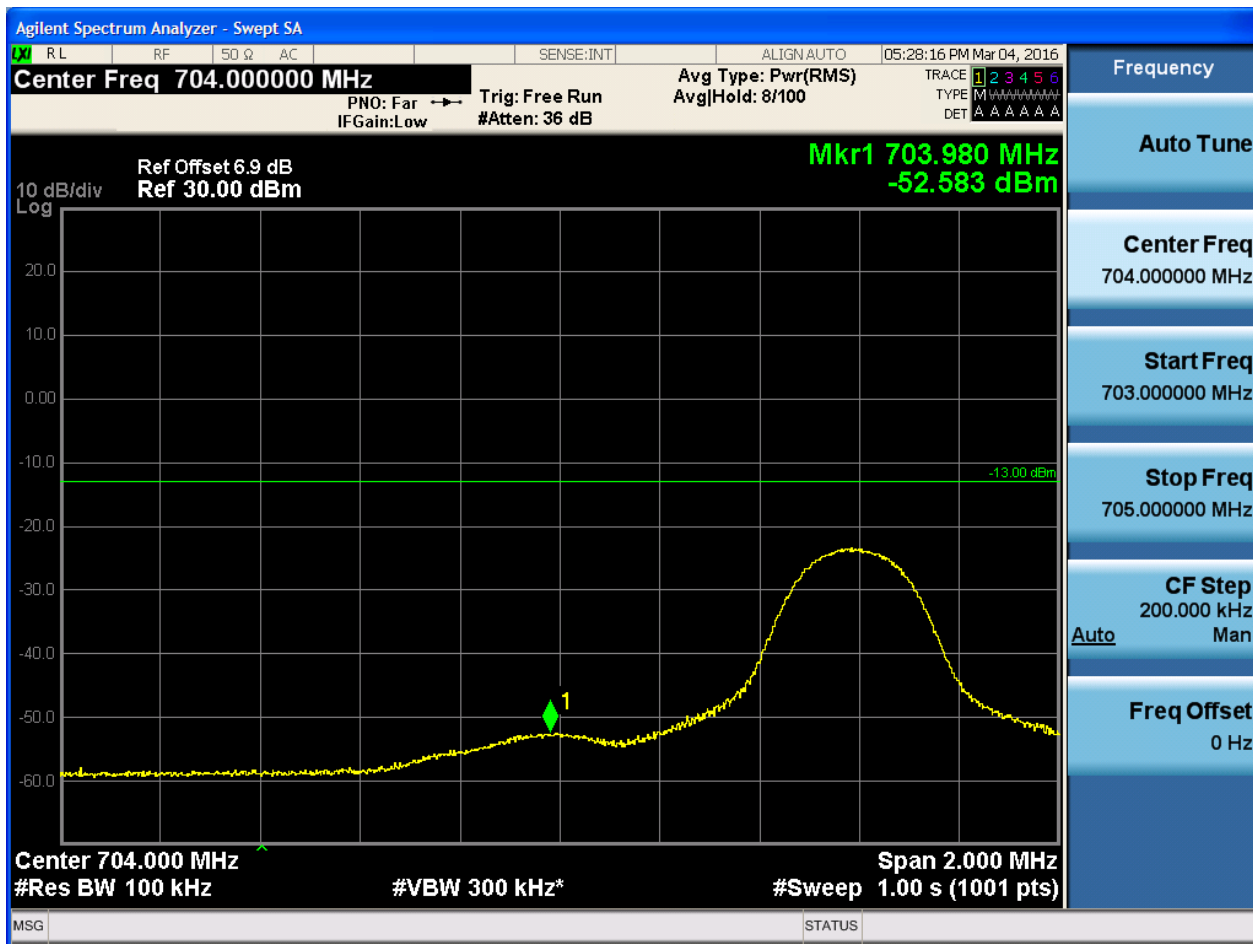


5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#49



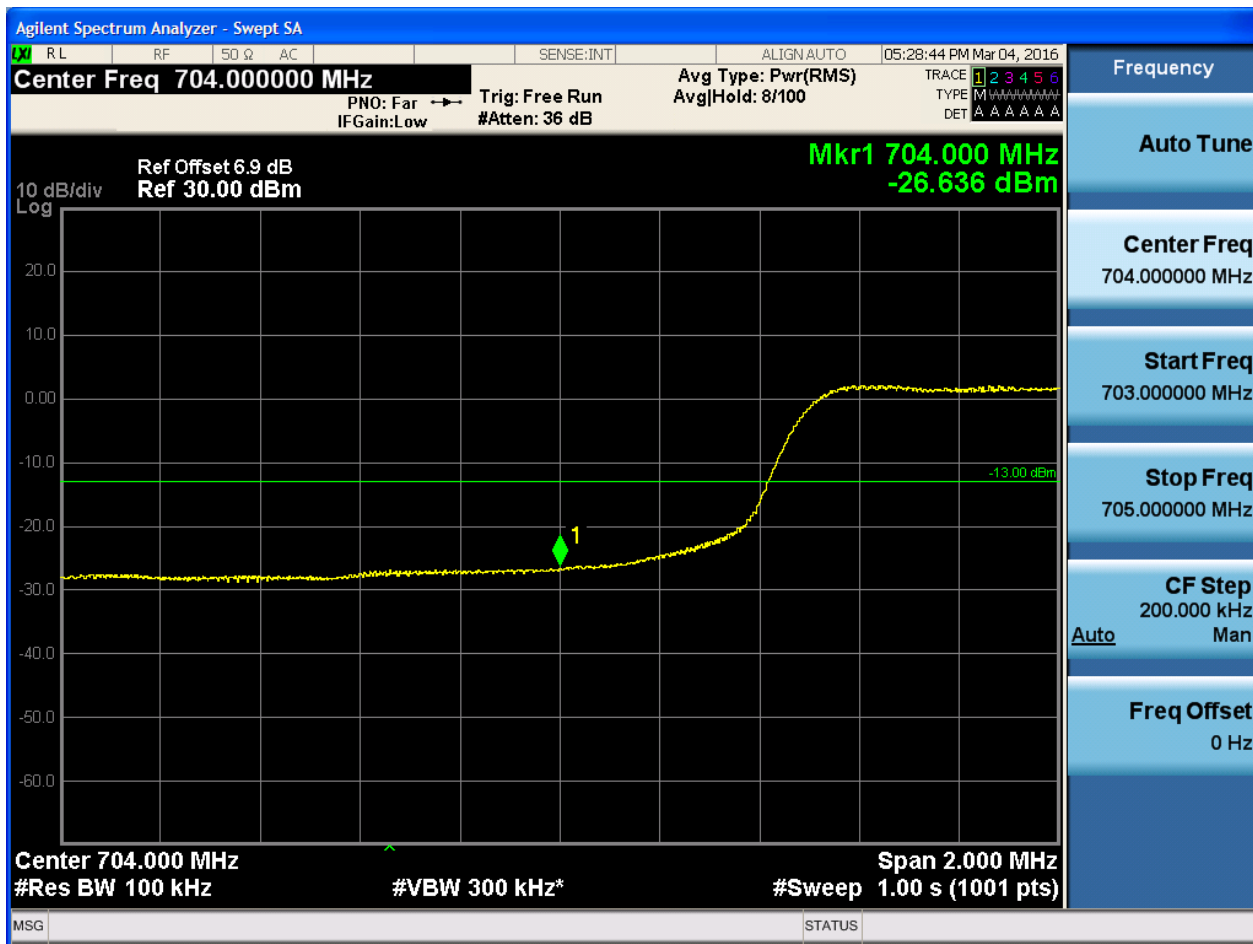


5.1.1.2.2.1.3 Test RB = RB25#13



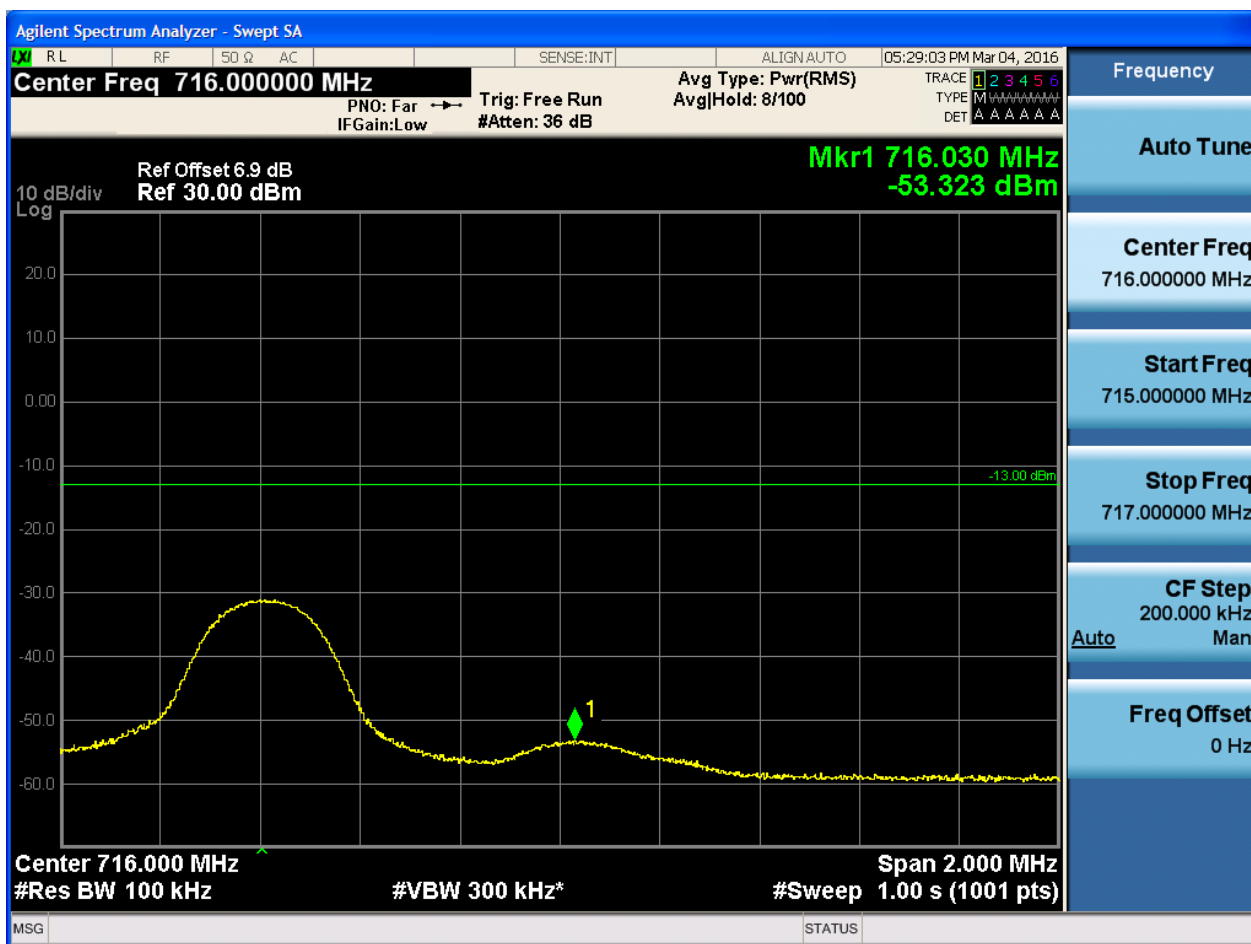


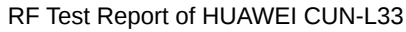
5.1.1.2.2.1.4 Test RB = RB50#0



5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.000 MHz
-18.374 dBm

Center 716.000 MHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

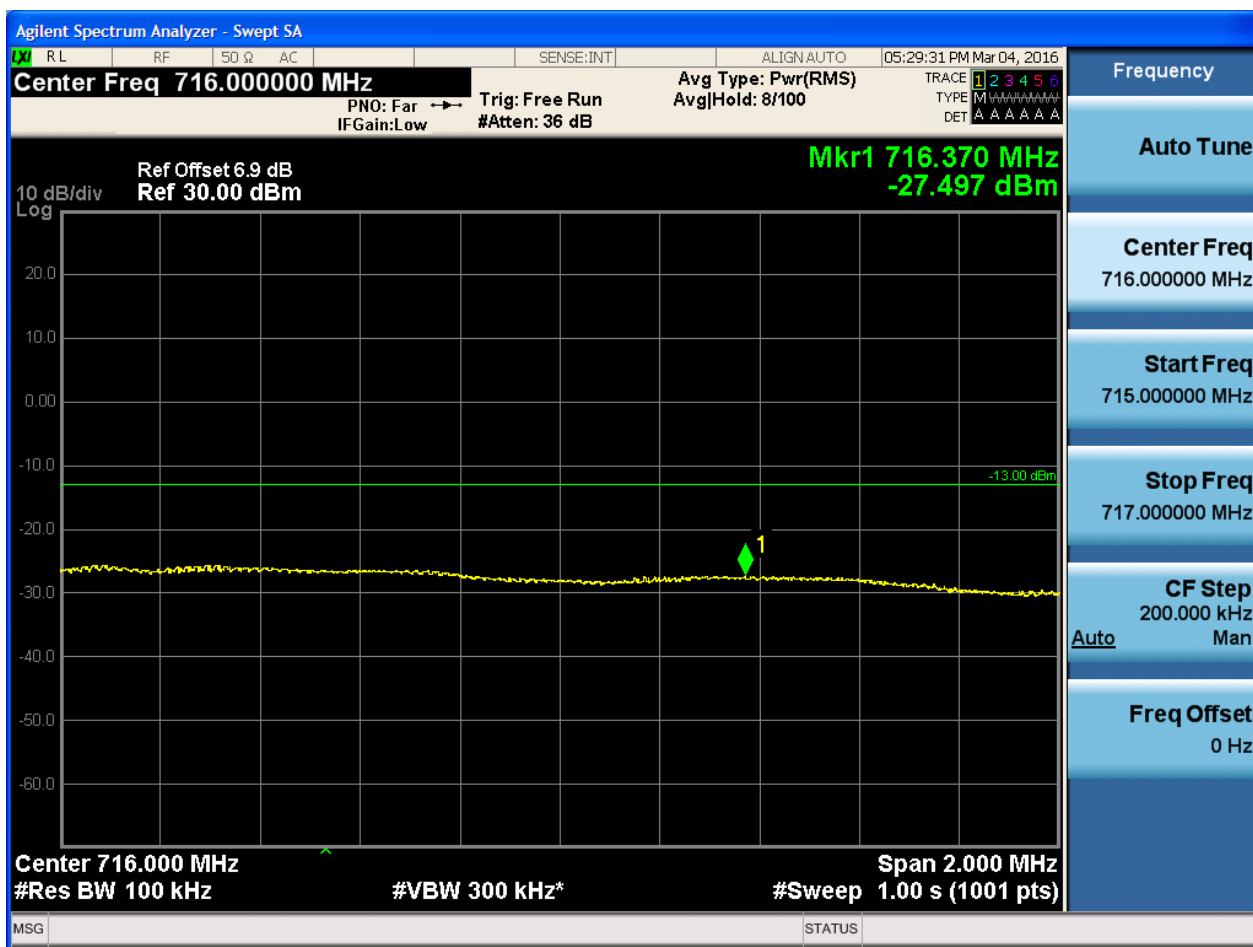
CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

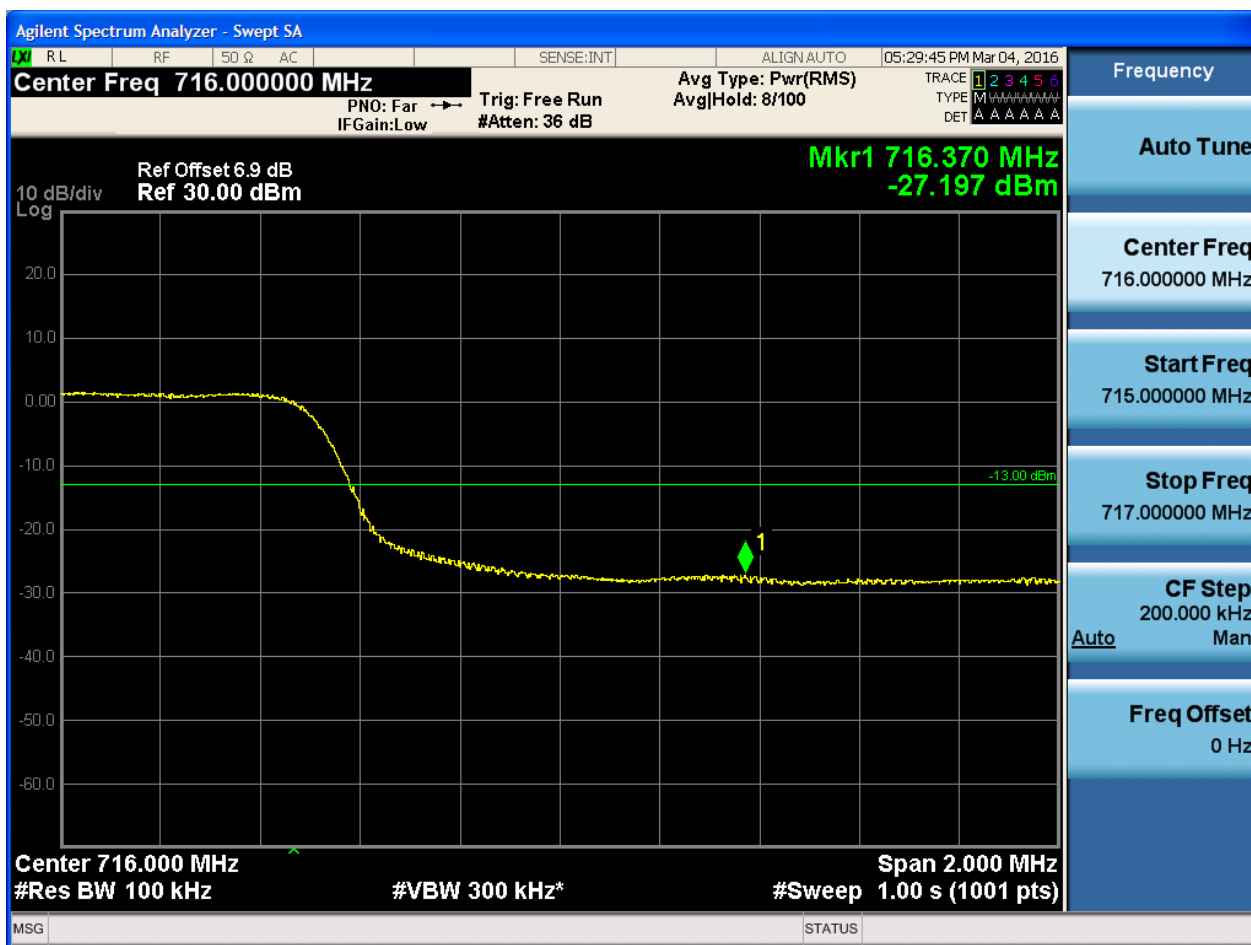


5.1.1.2.2.3 Test RB = RB25#13





5.1.1.2.2.4 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

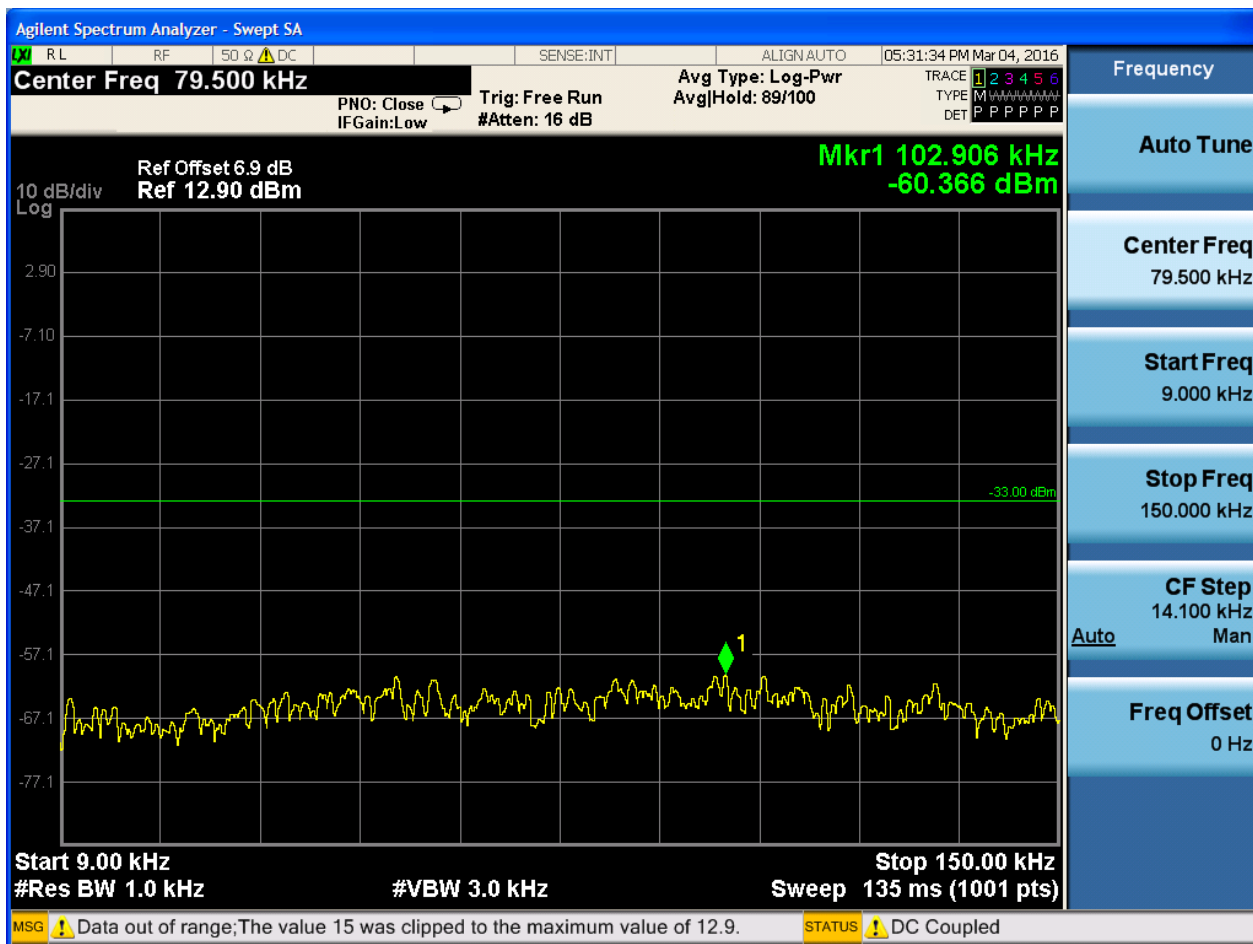
6.1.1 Test Band = BAND17

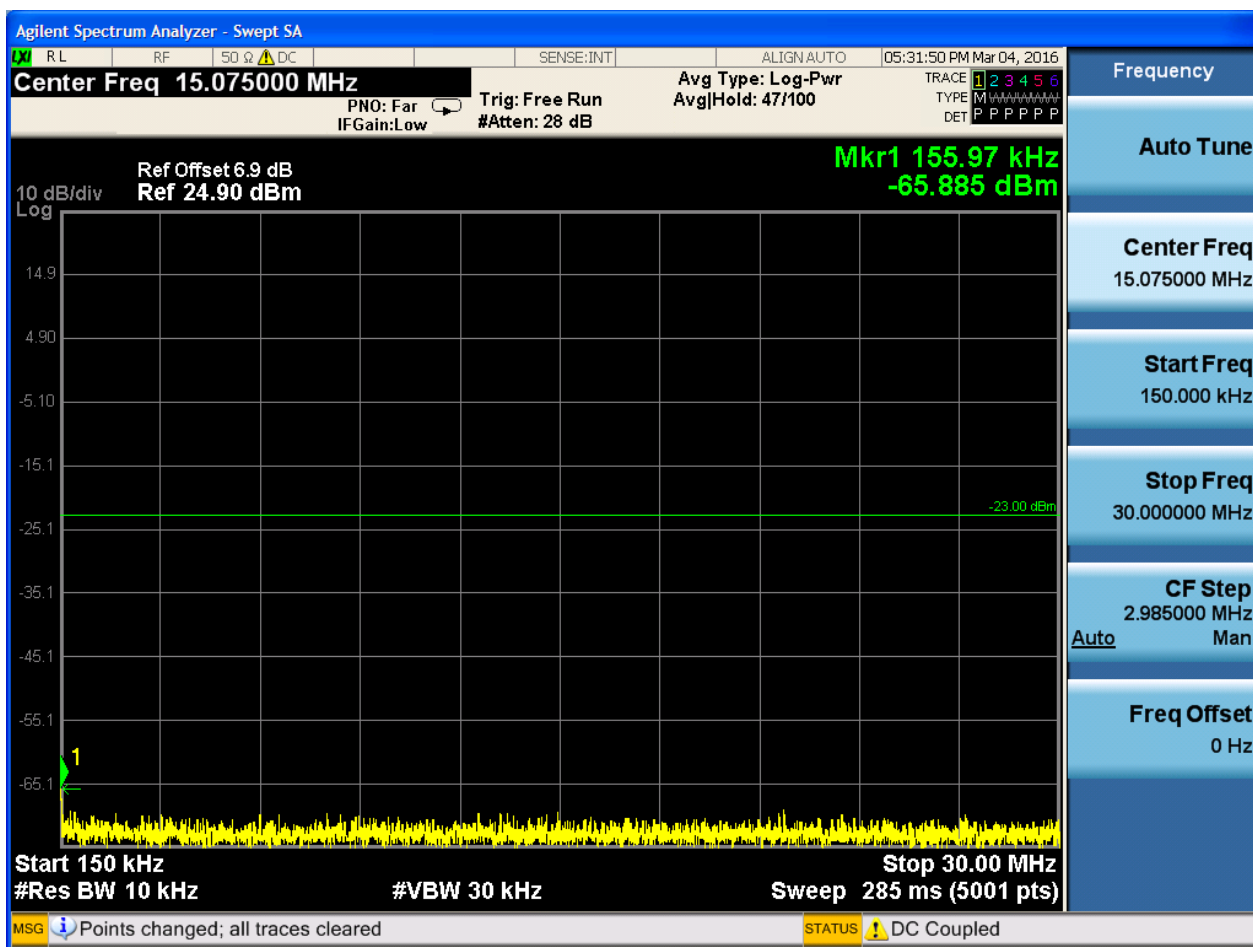
6.1.1.1 Test Mode = LTE/TM1

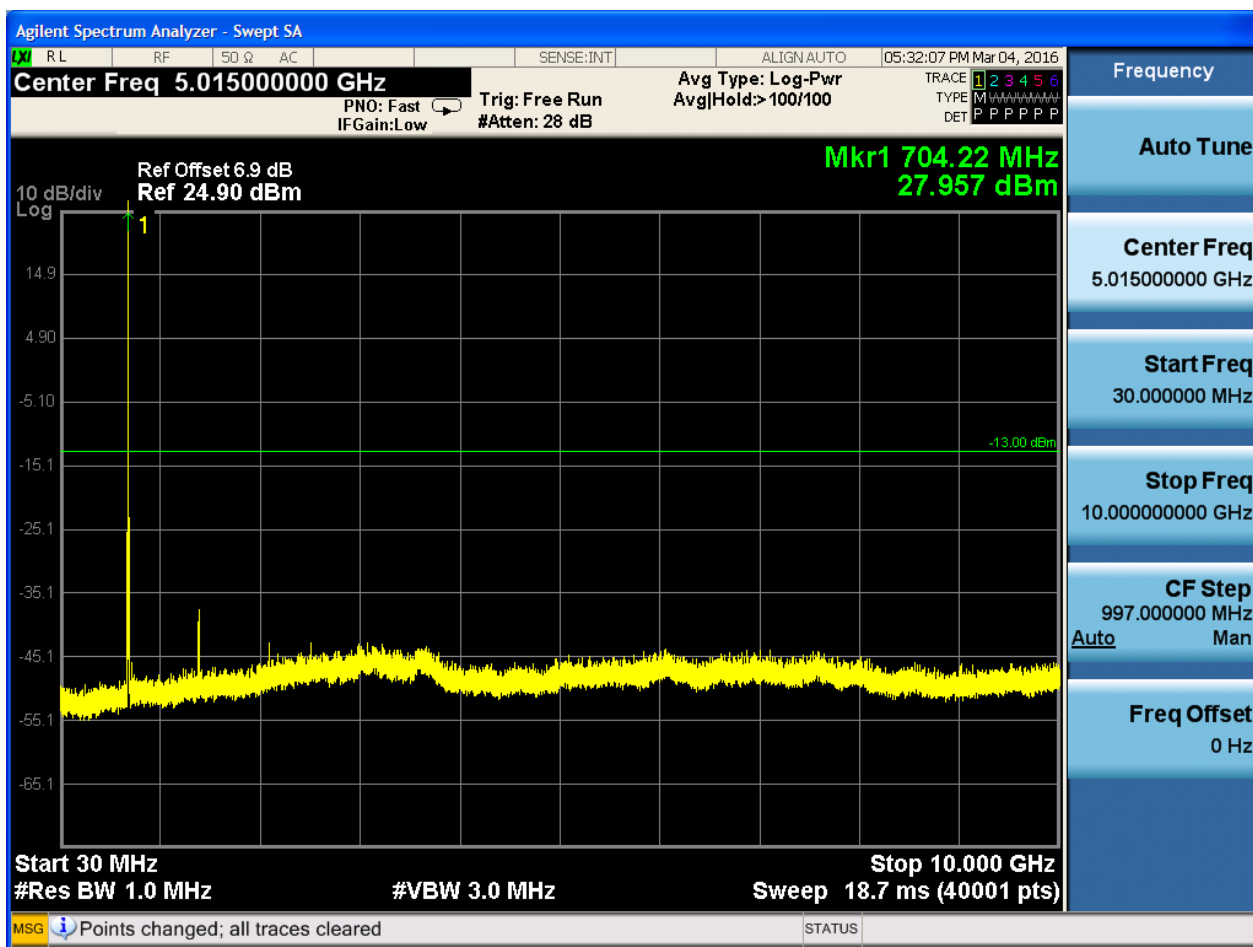
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



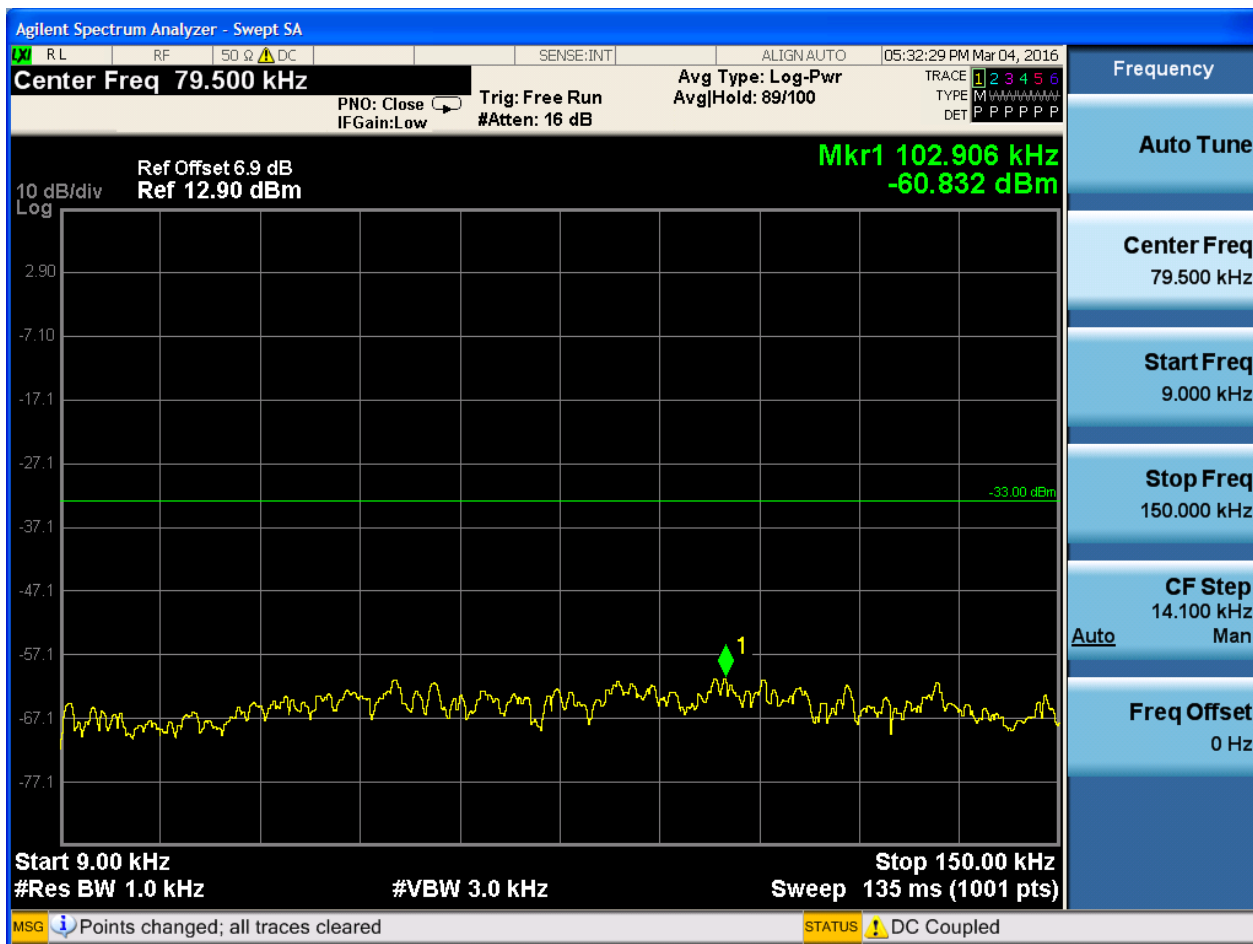




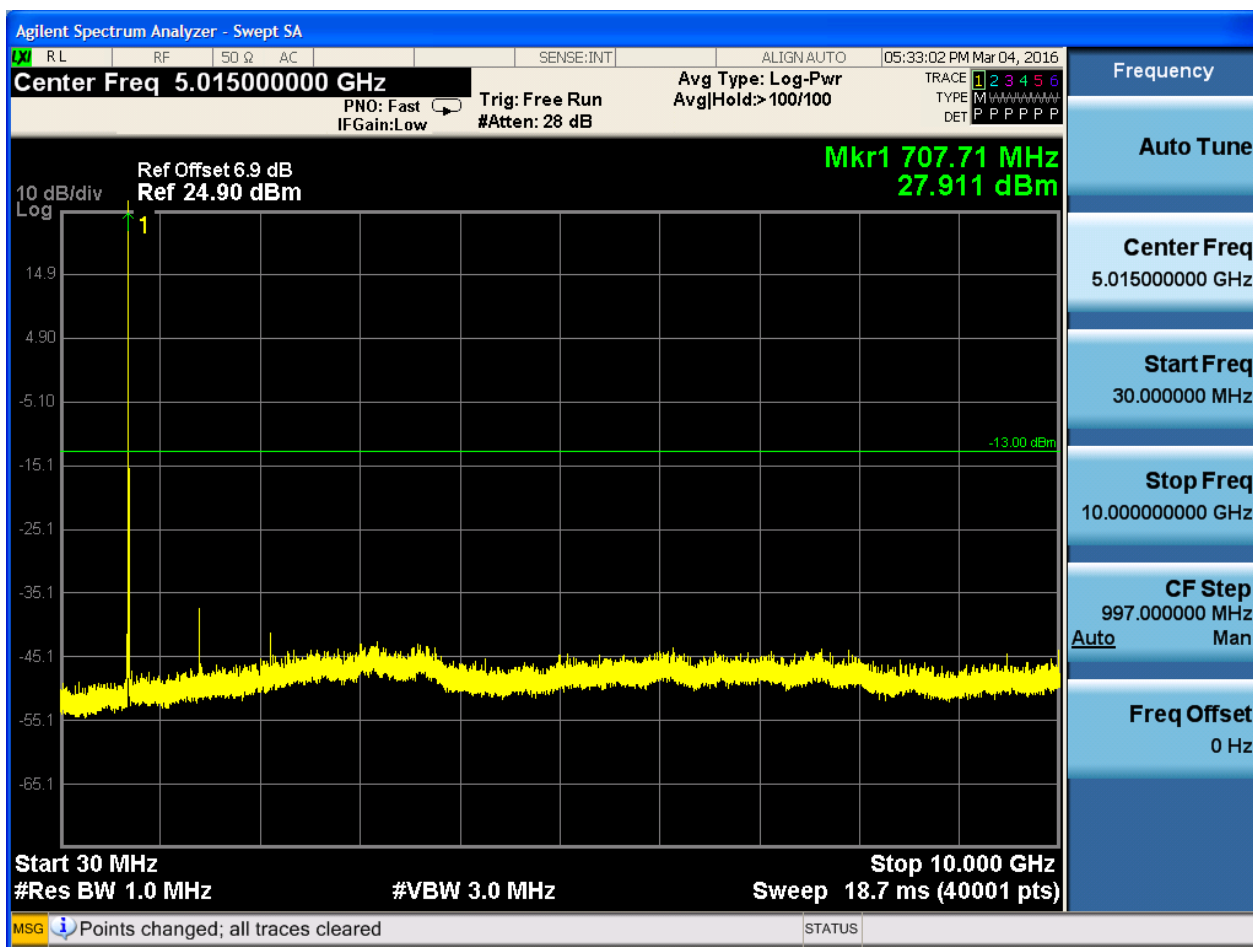


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



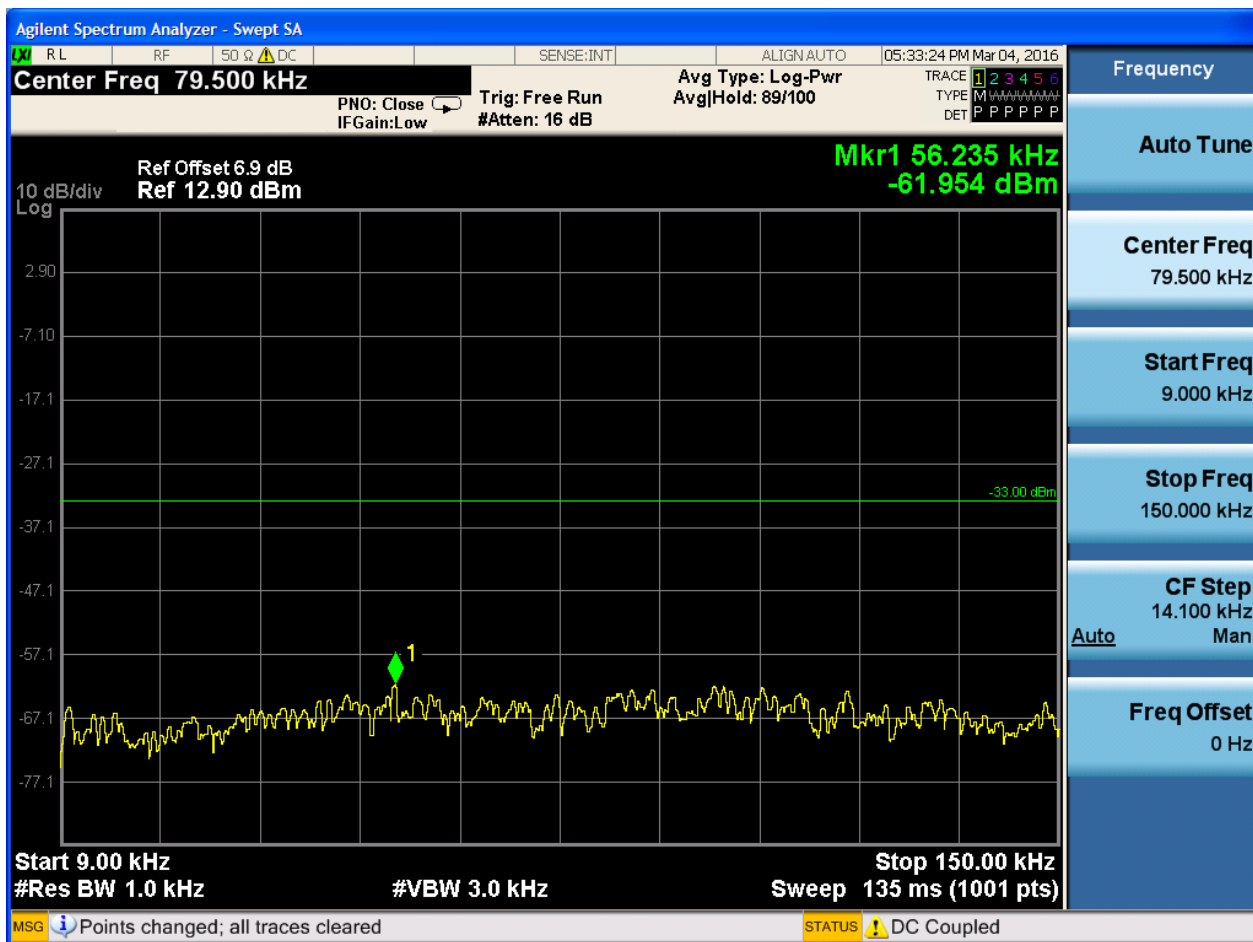




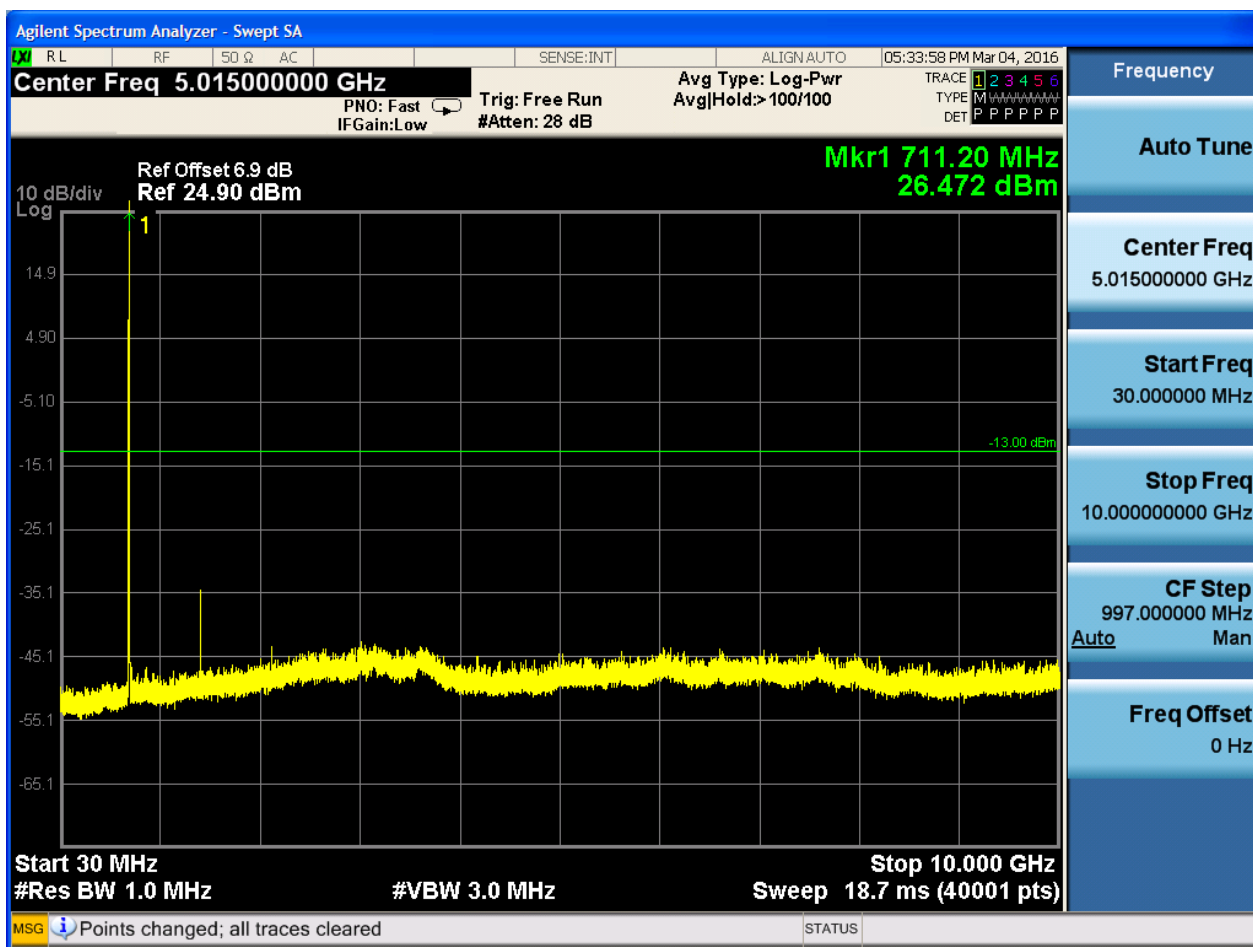


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





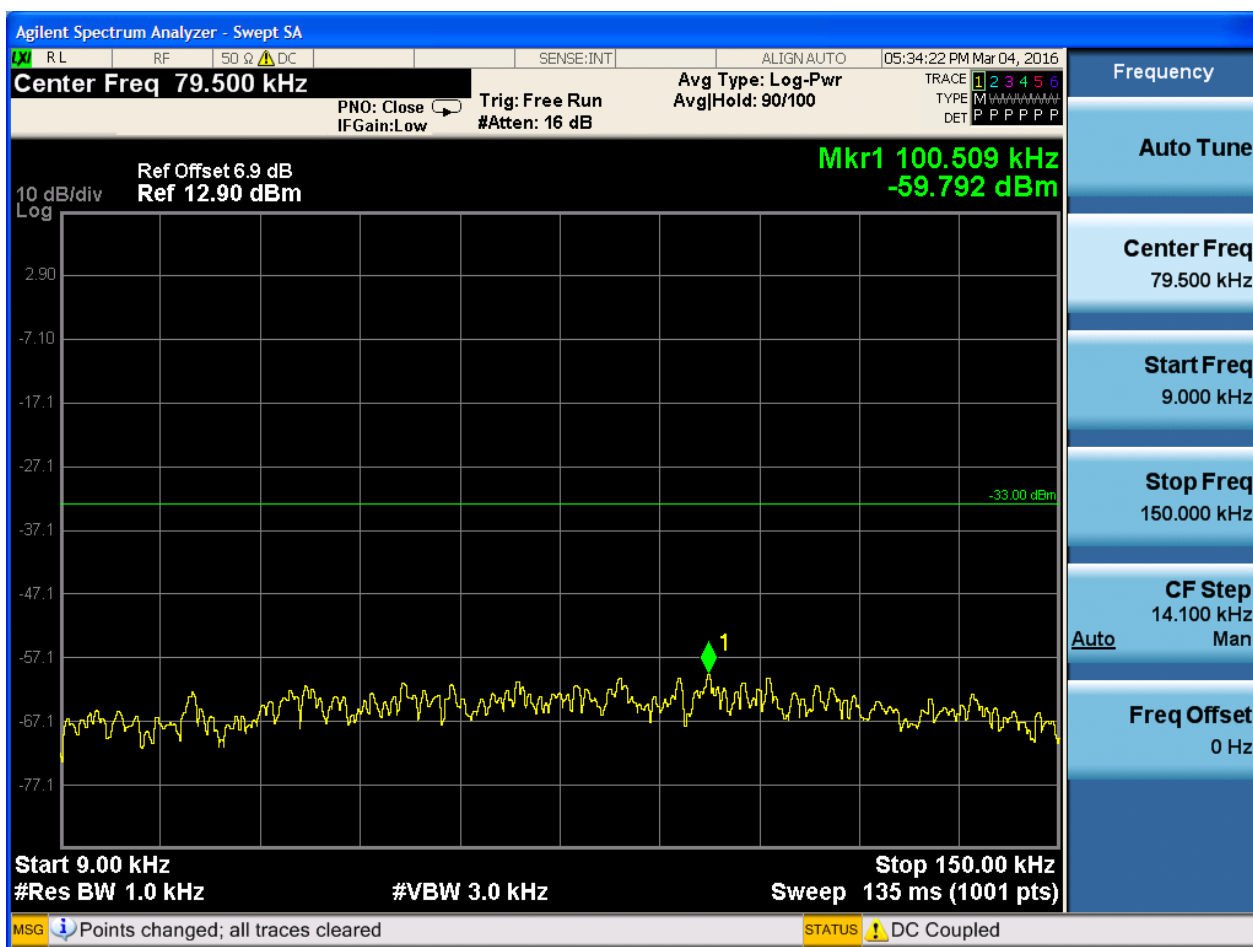


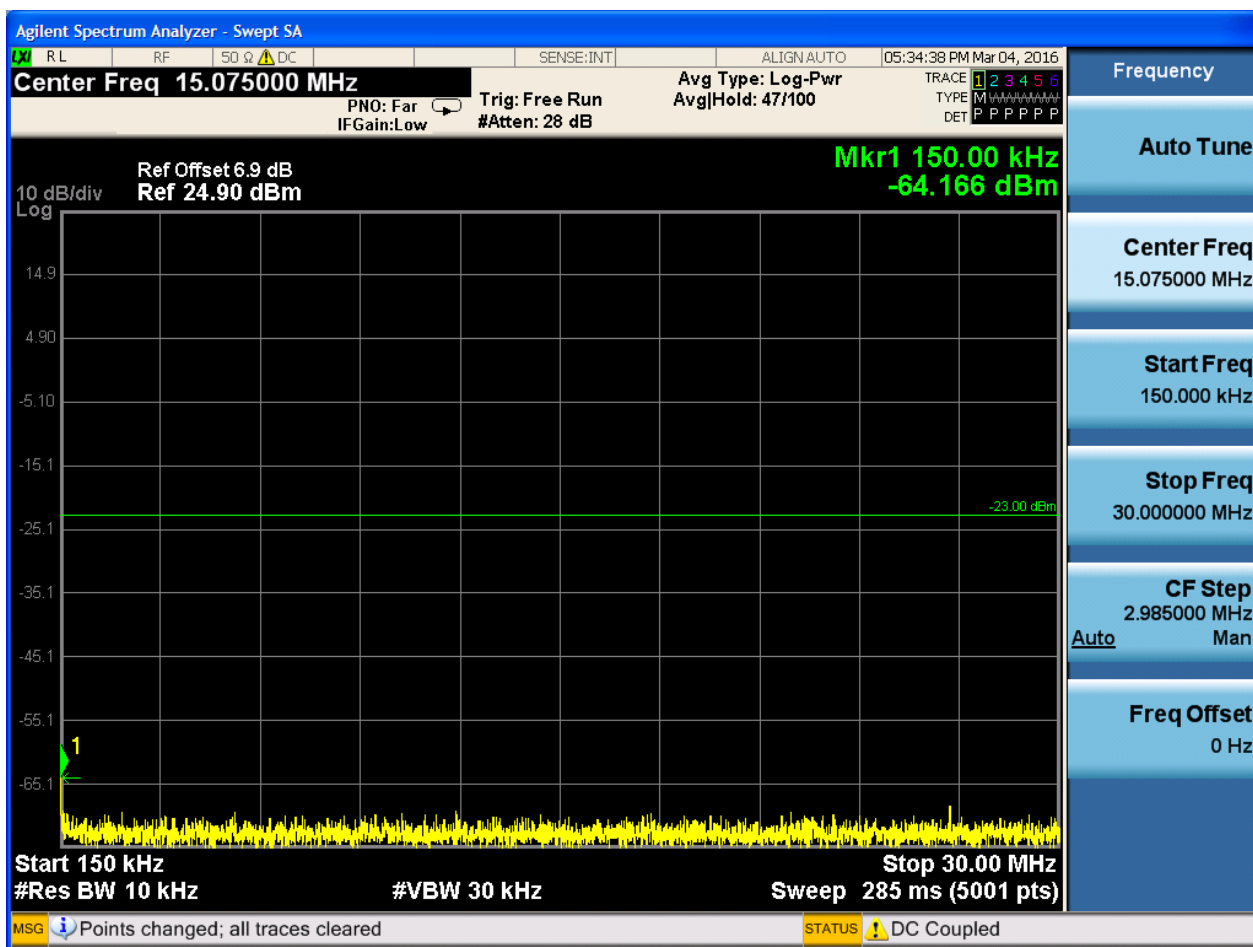


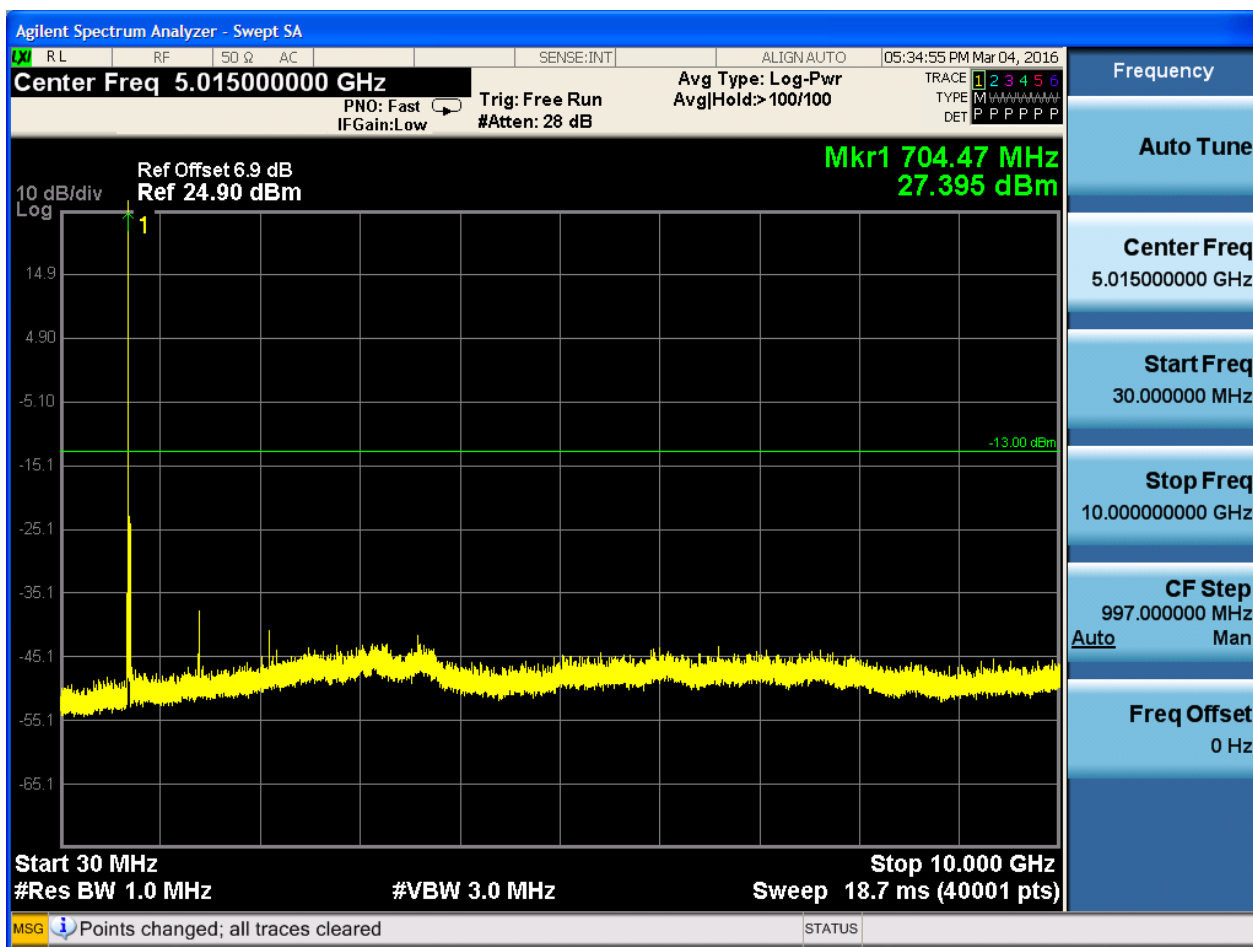
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



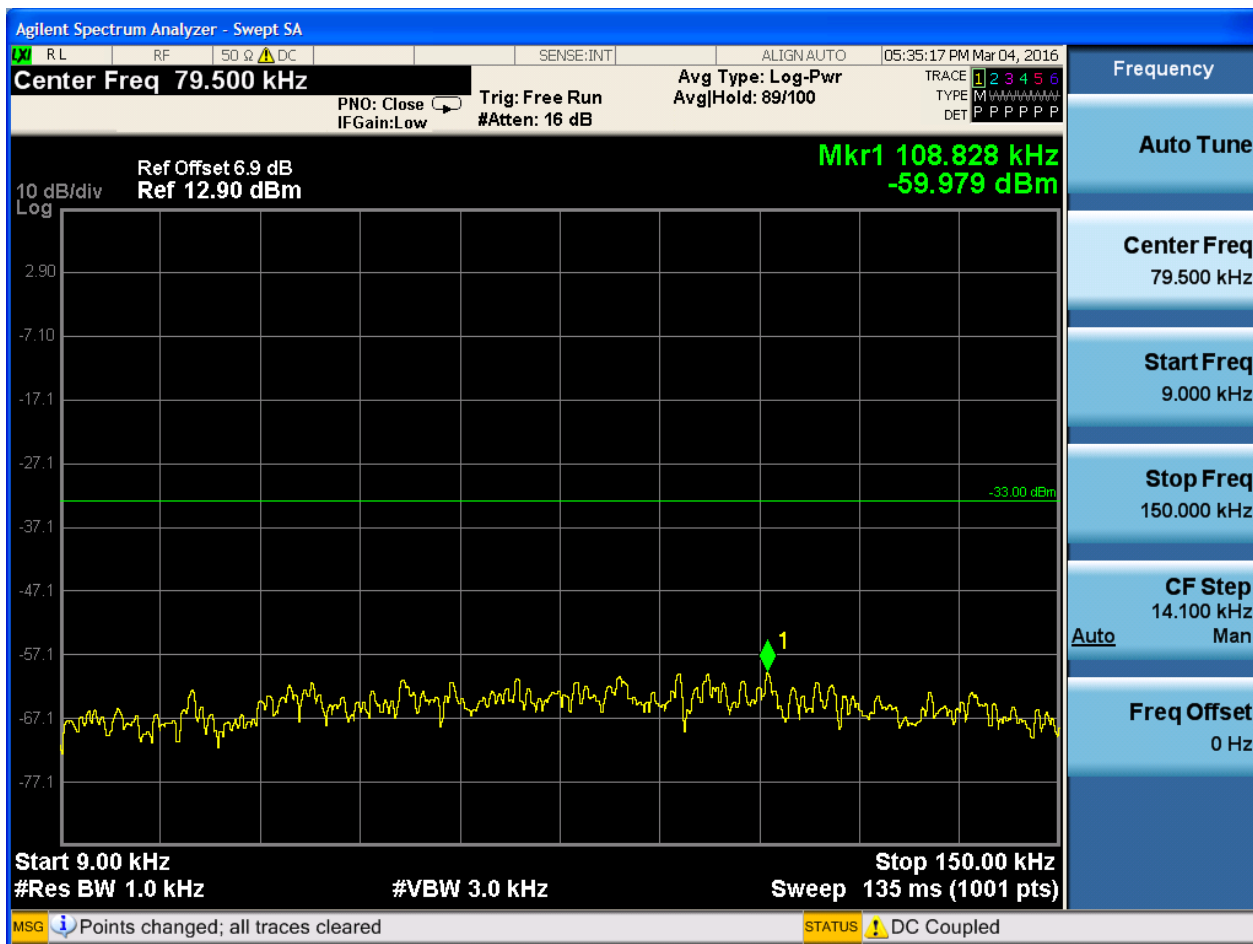


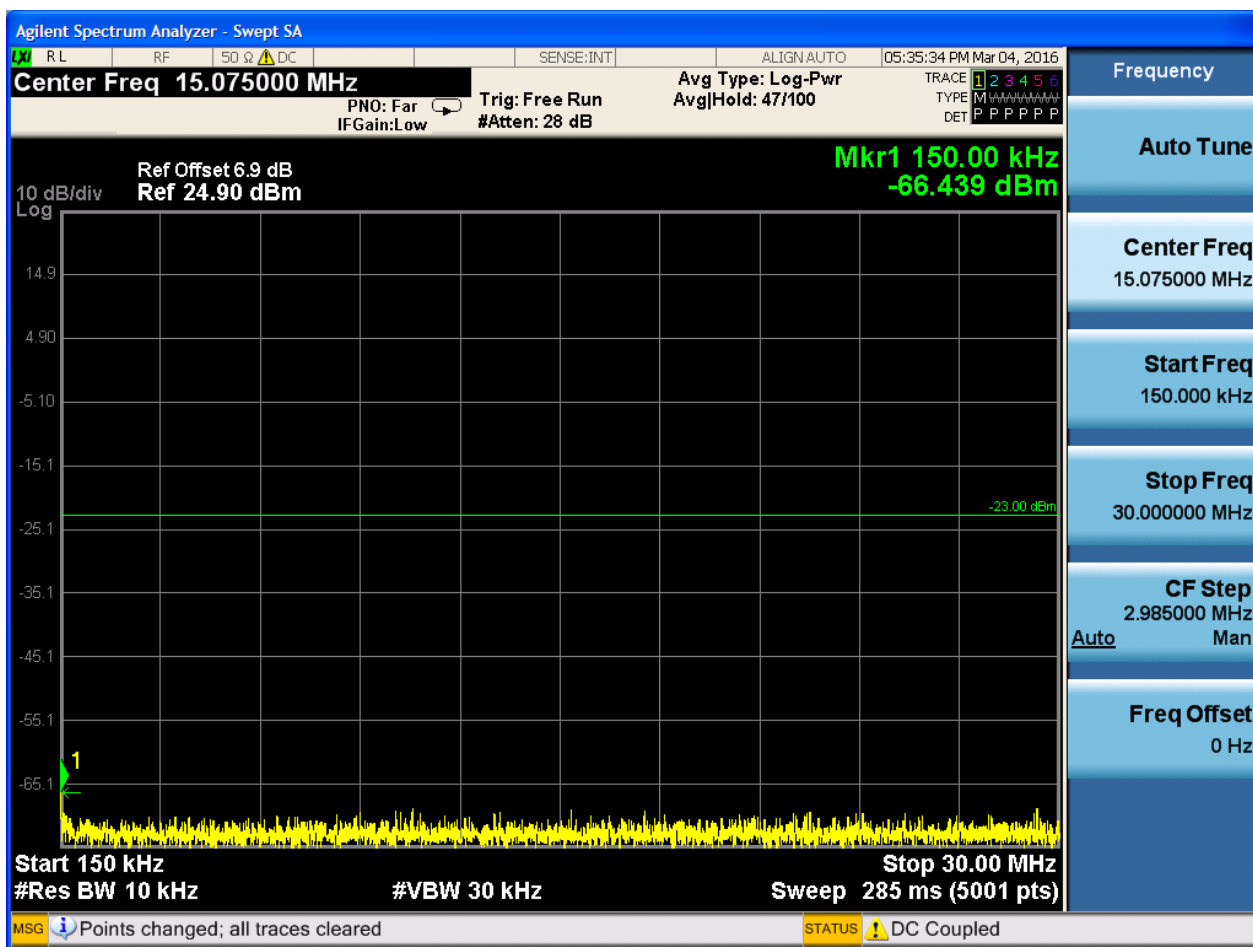


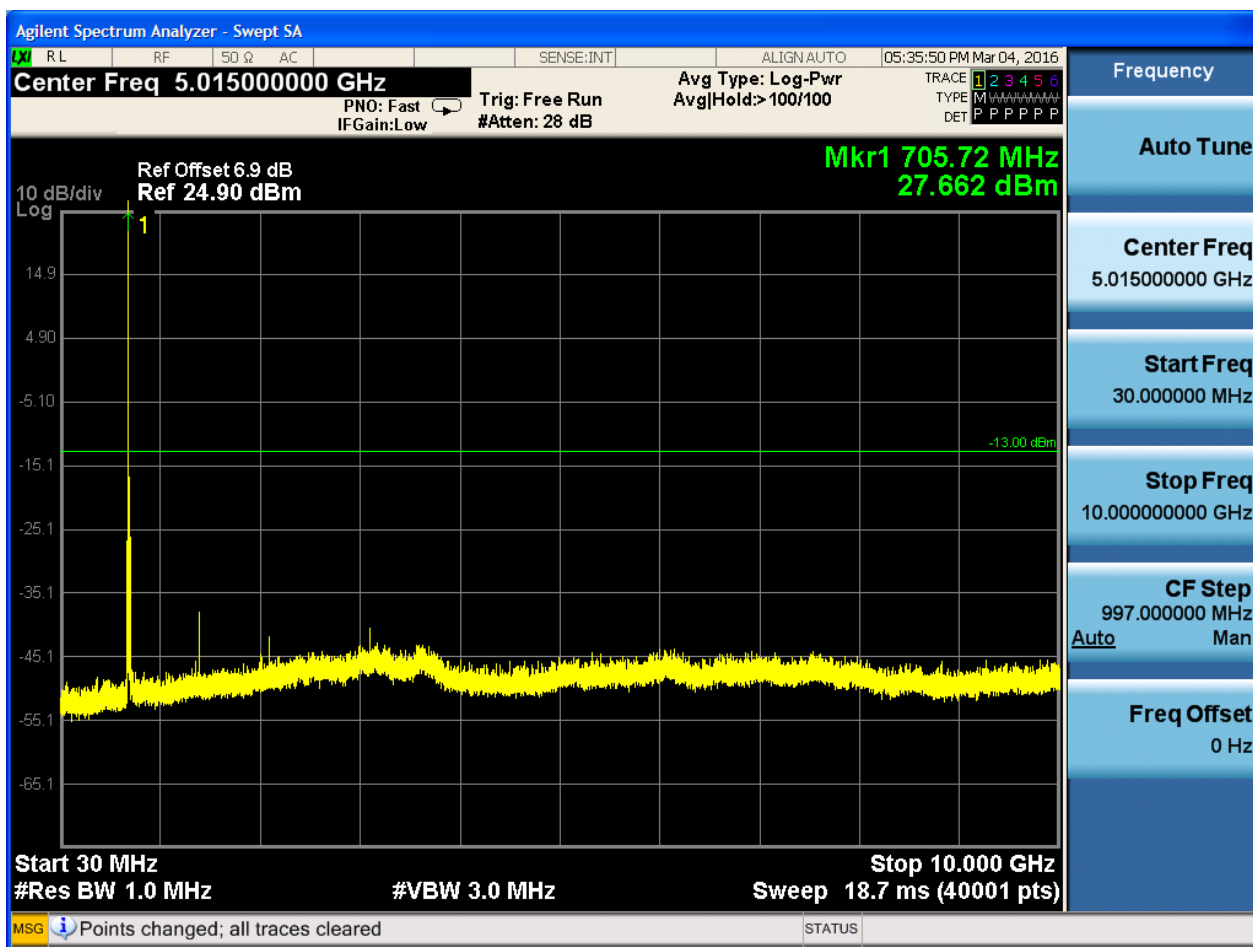


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



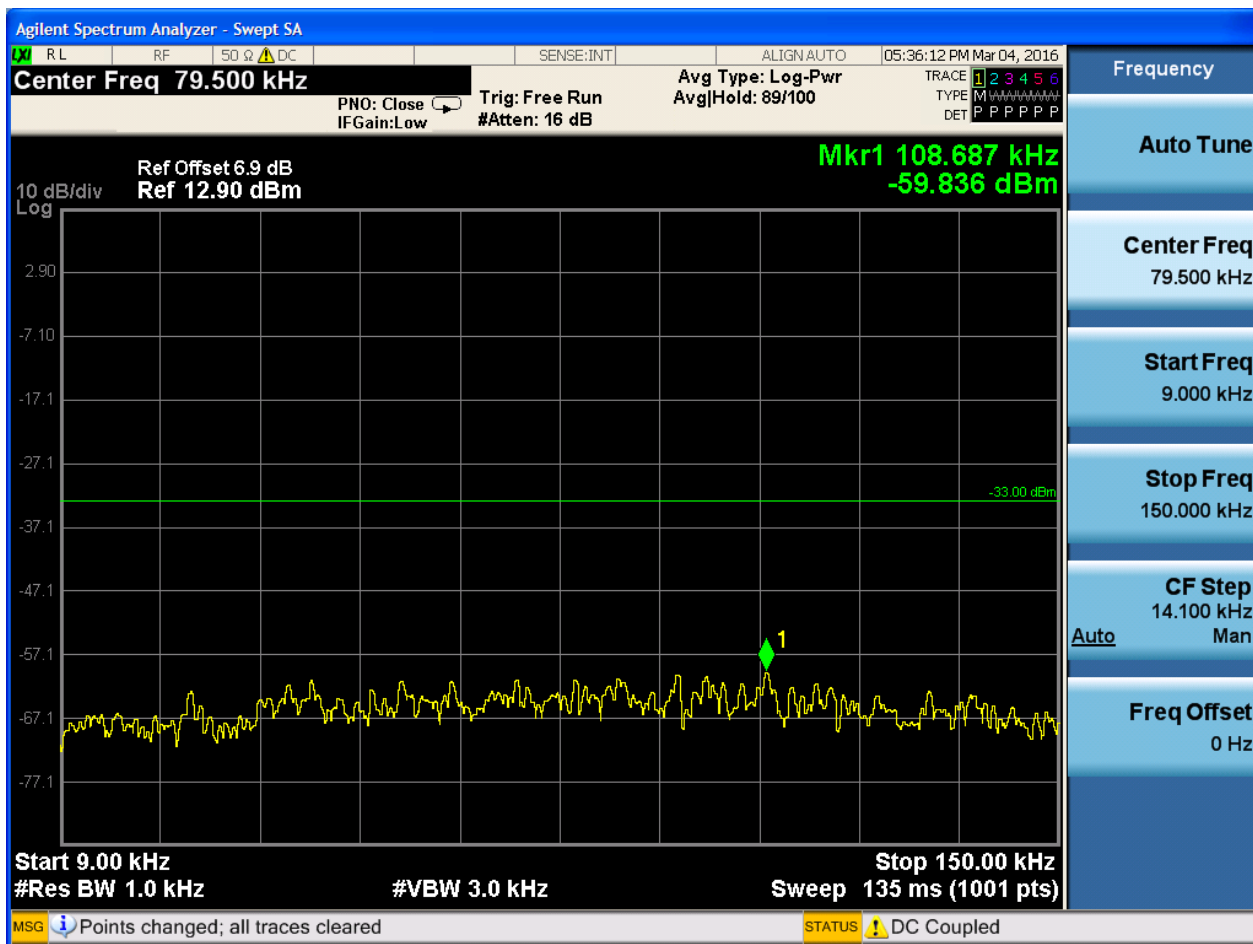




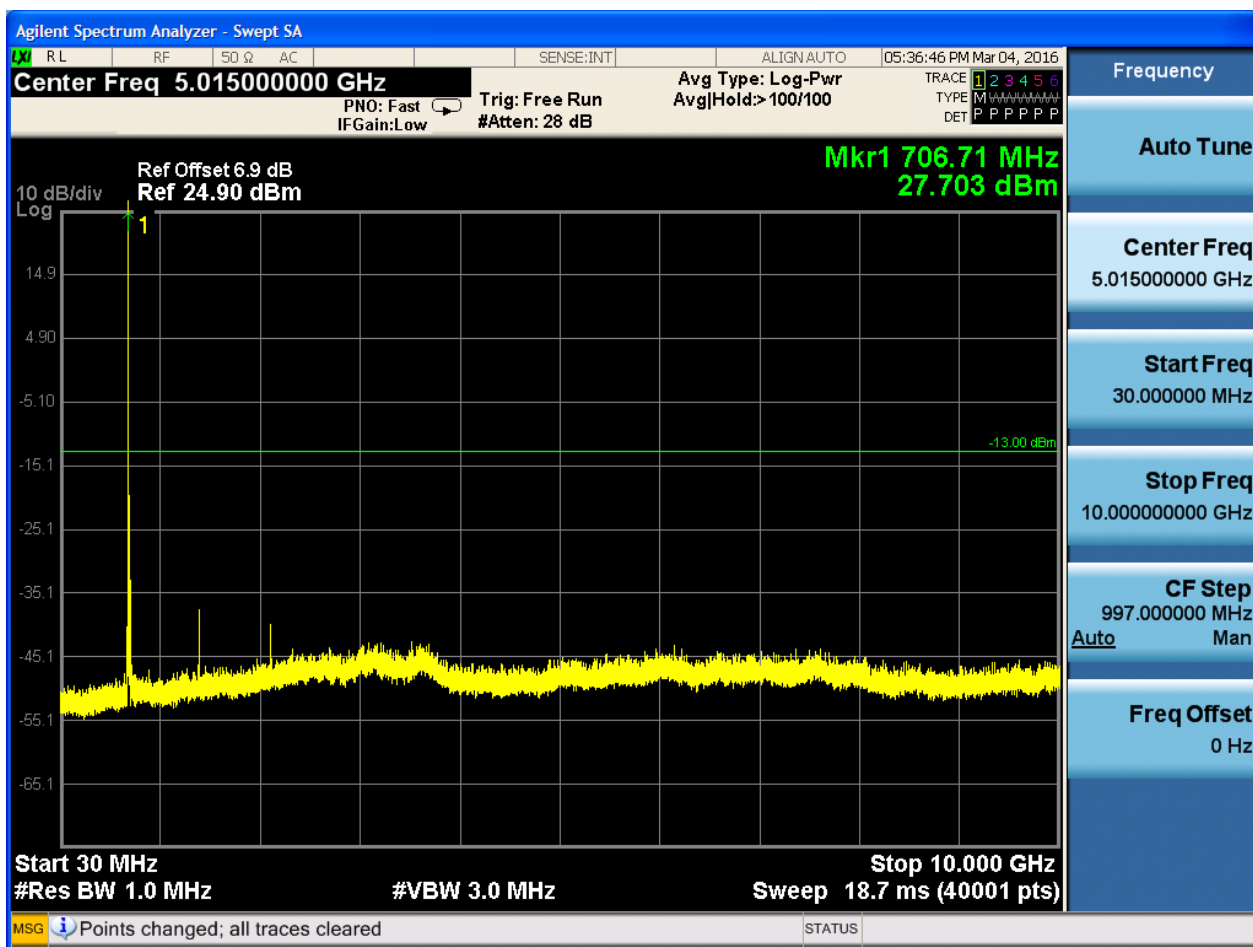


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







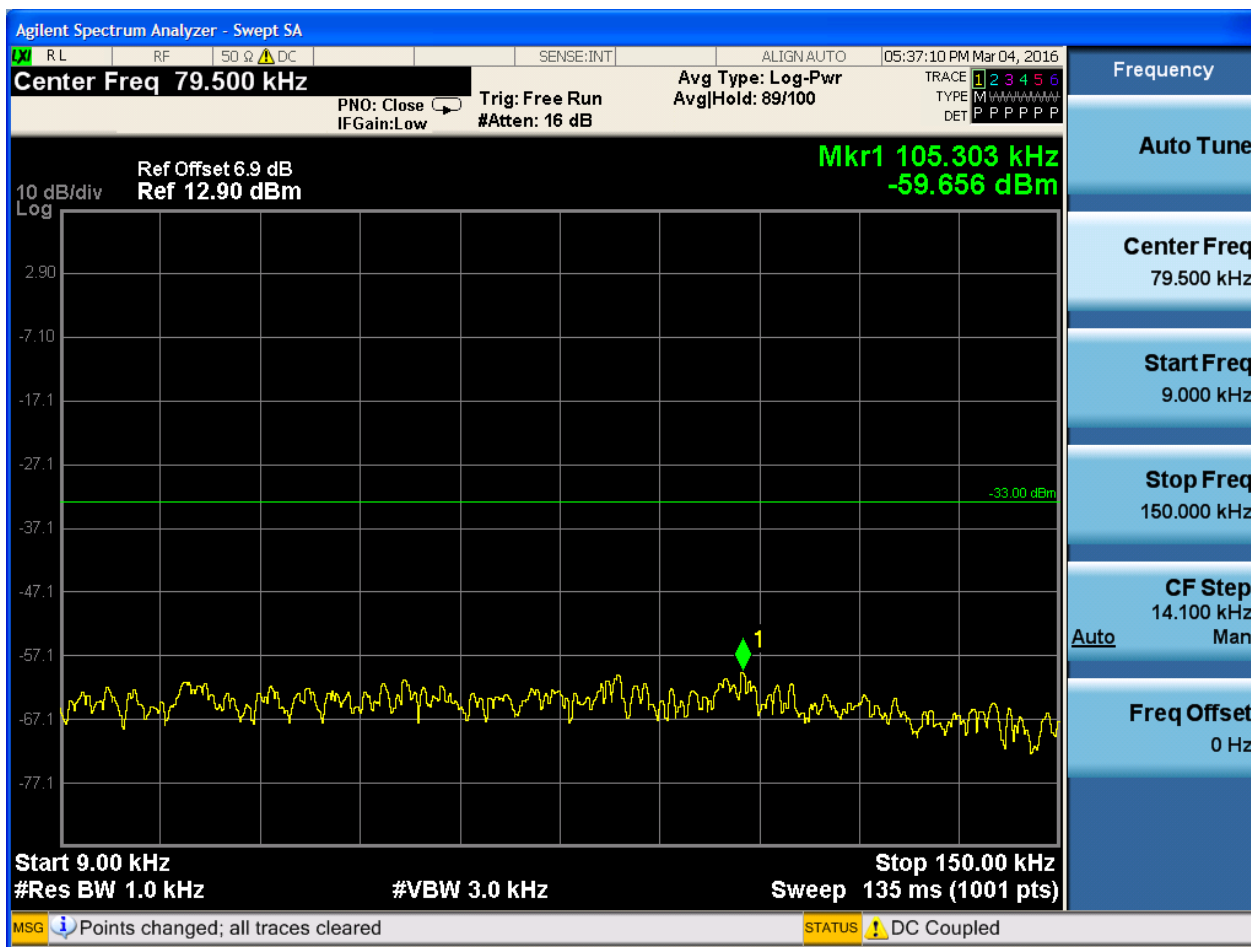


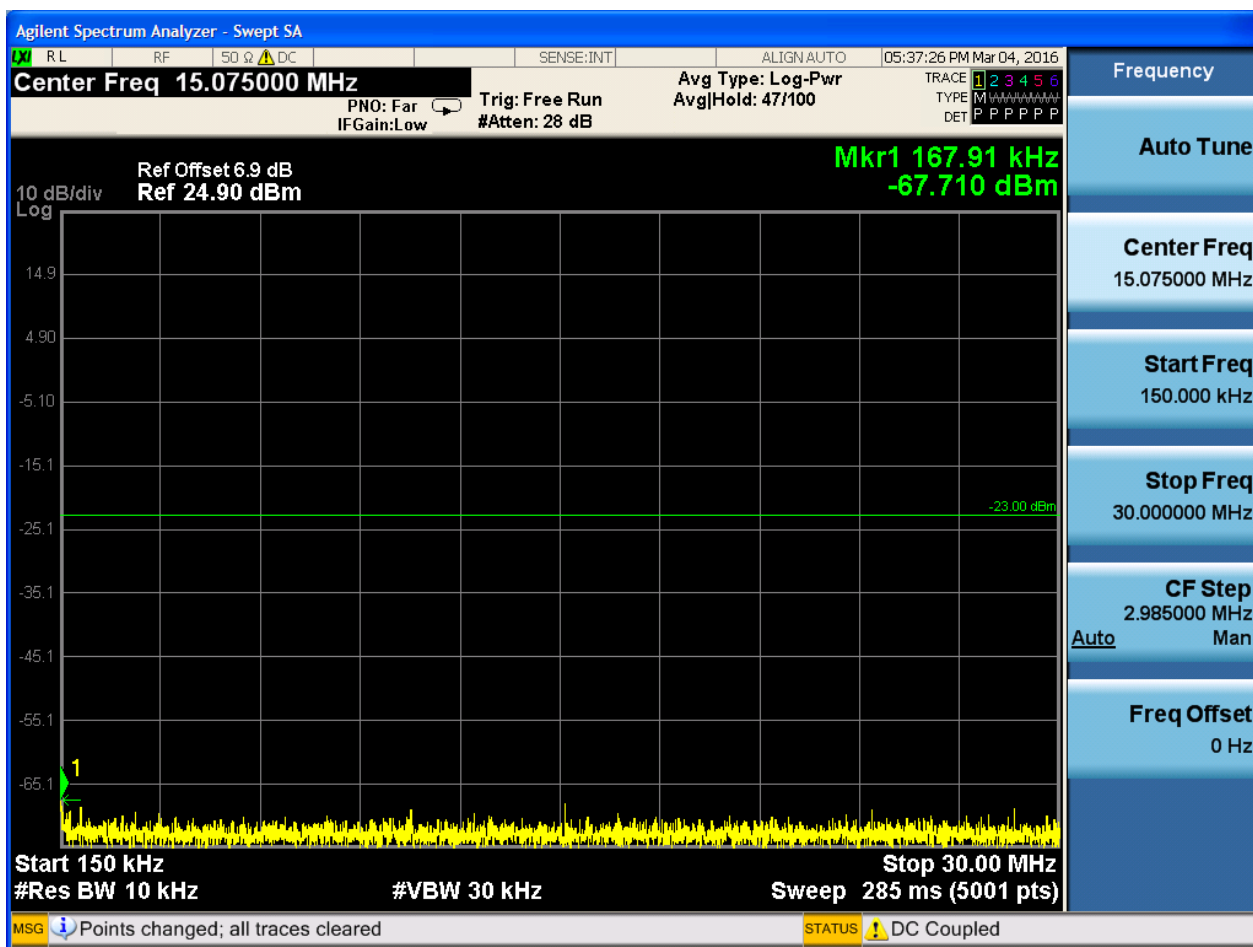
6.1.1.2 Test Mode = LTE/TM2

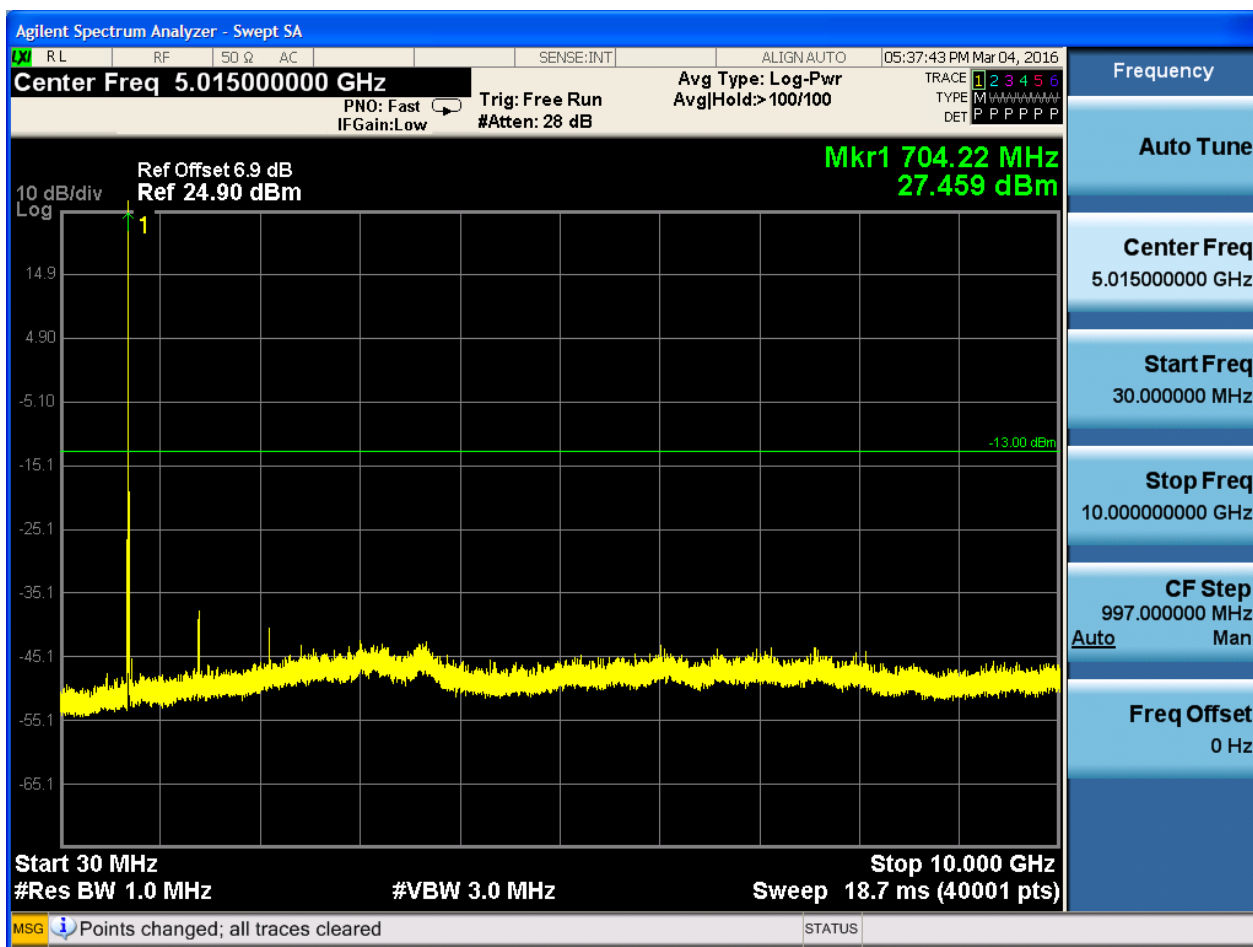
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



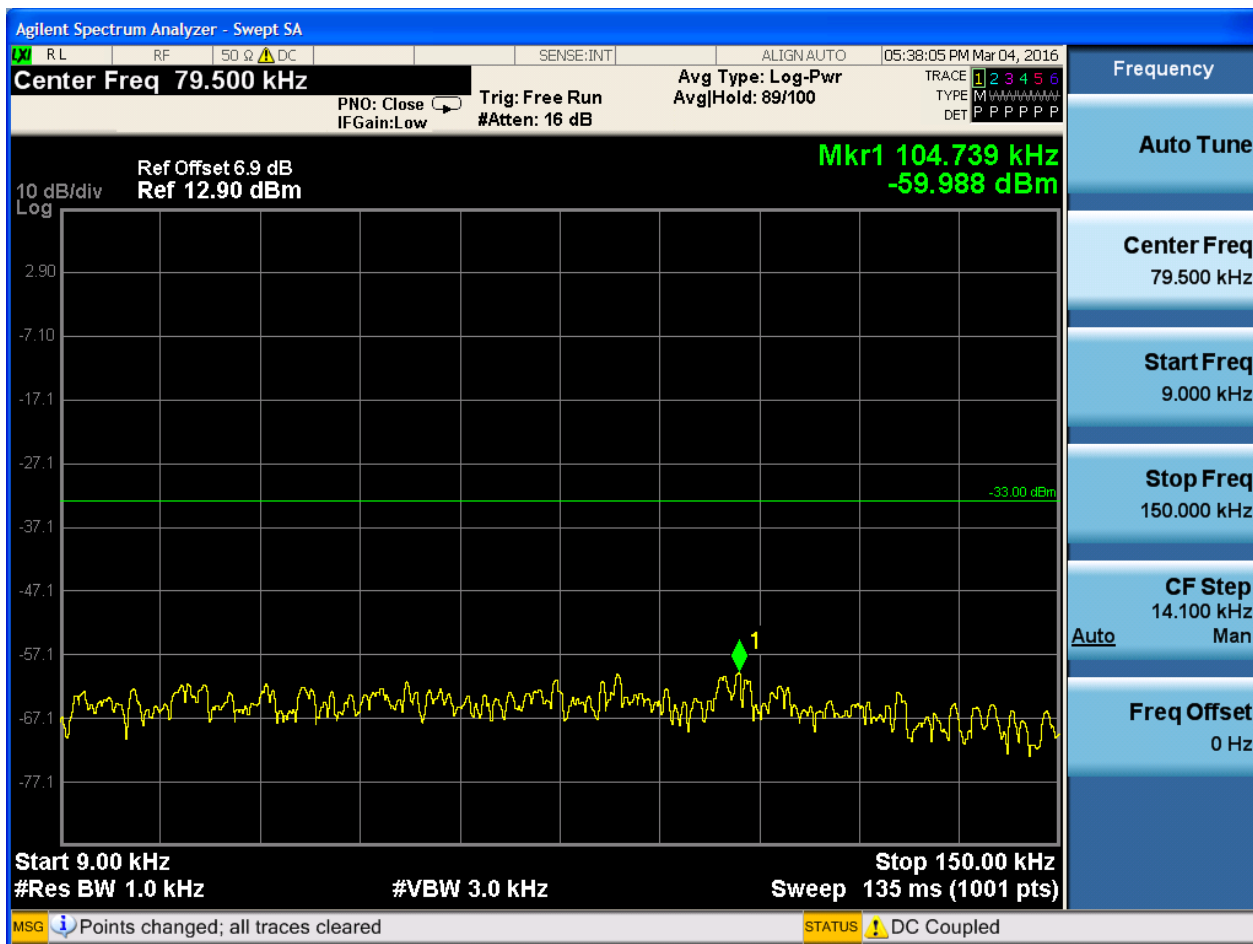


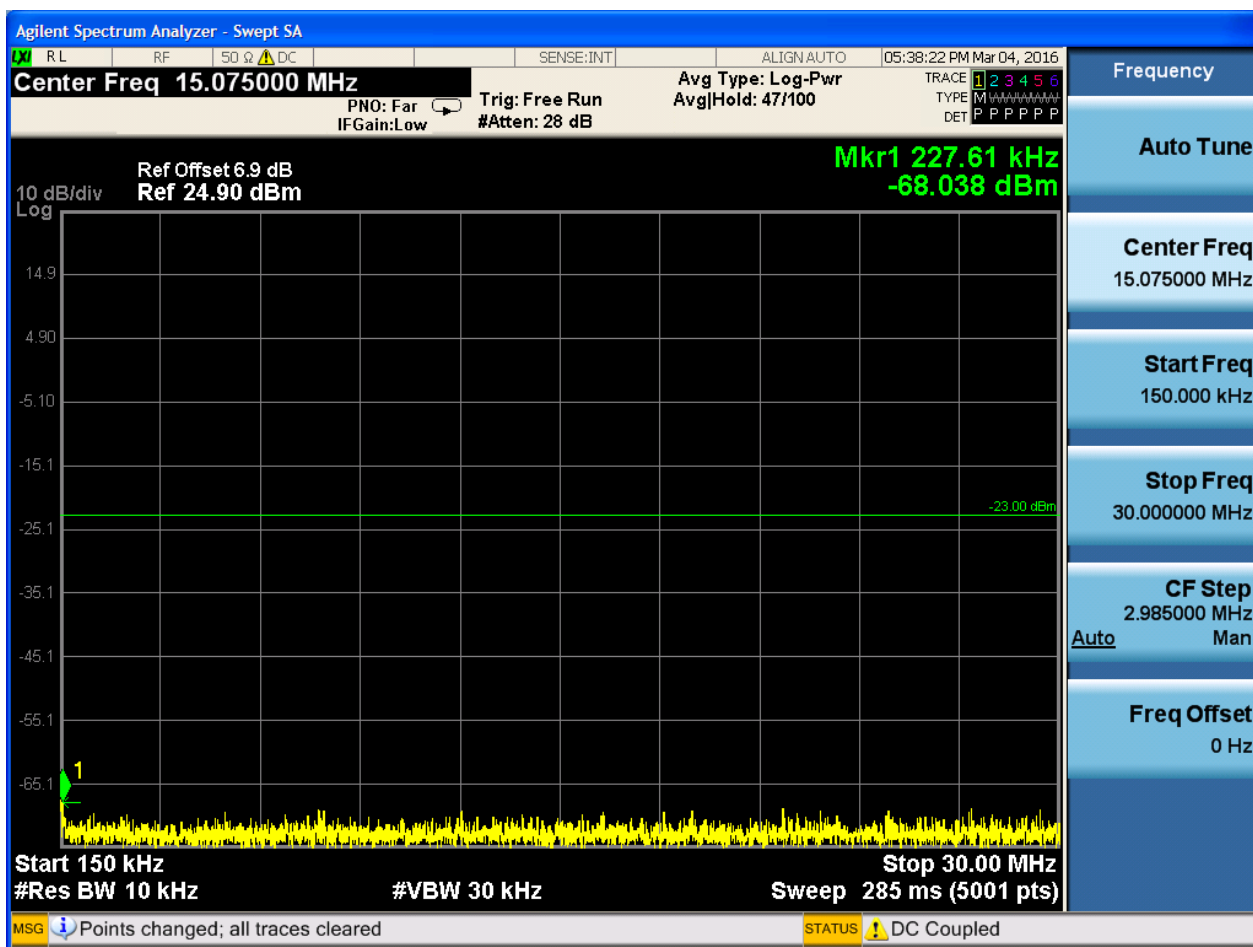


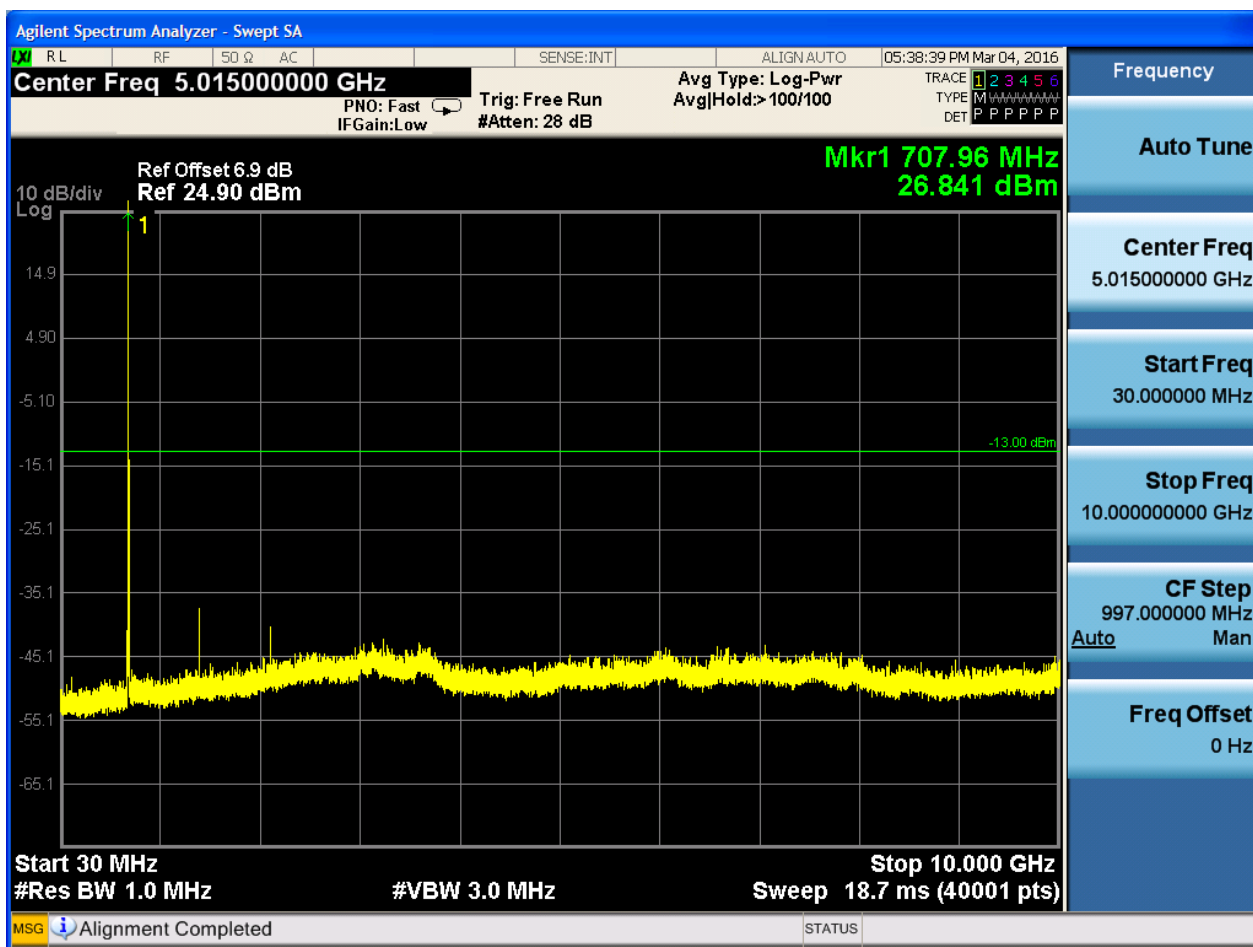


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



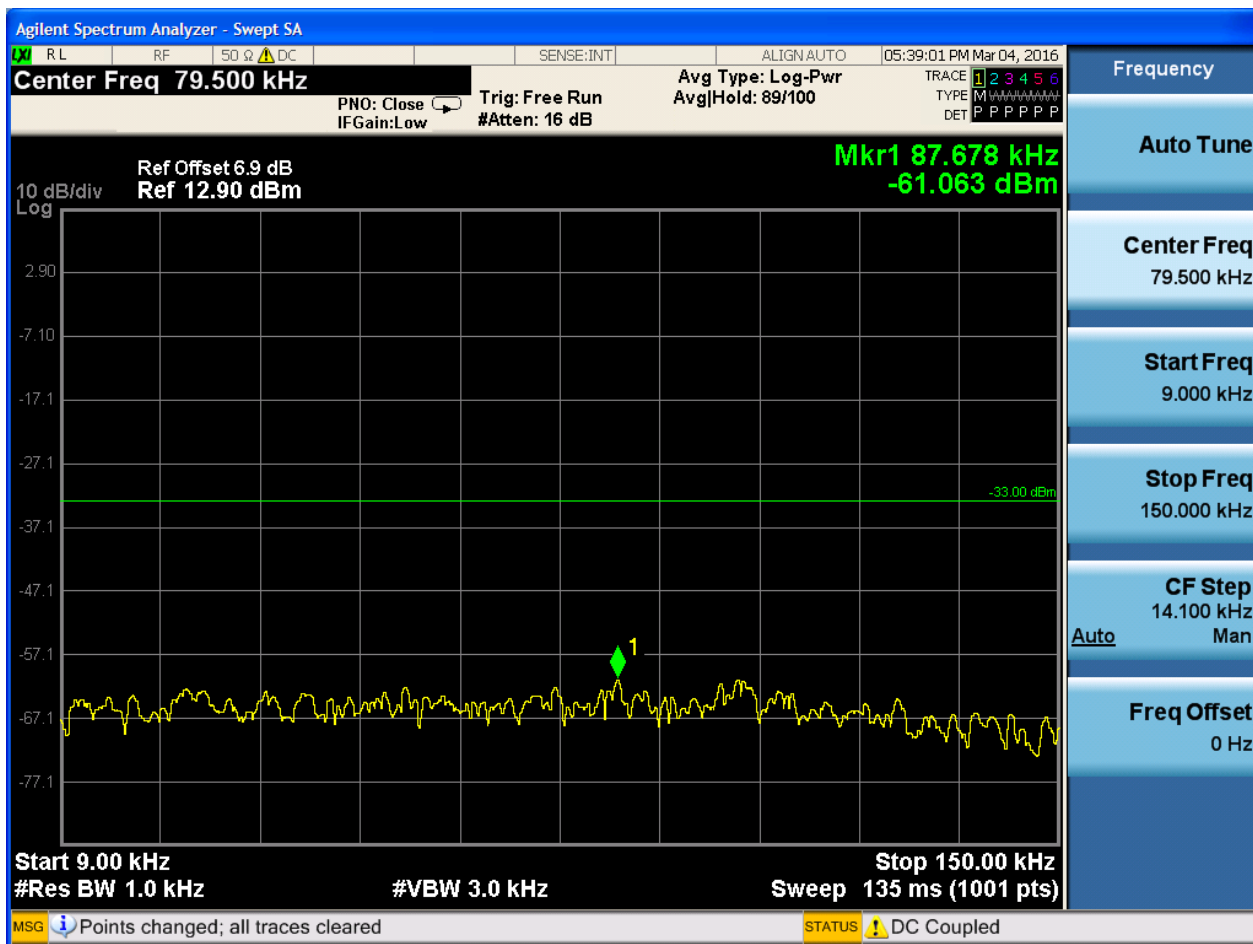




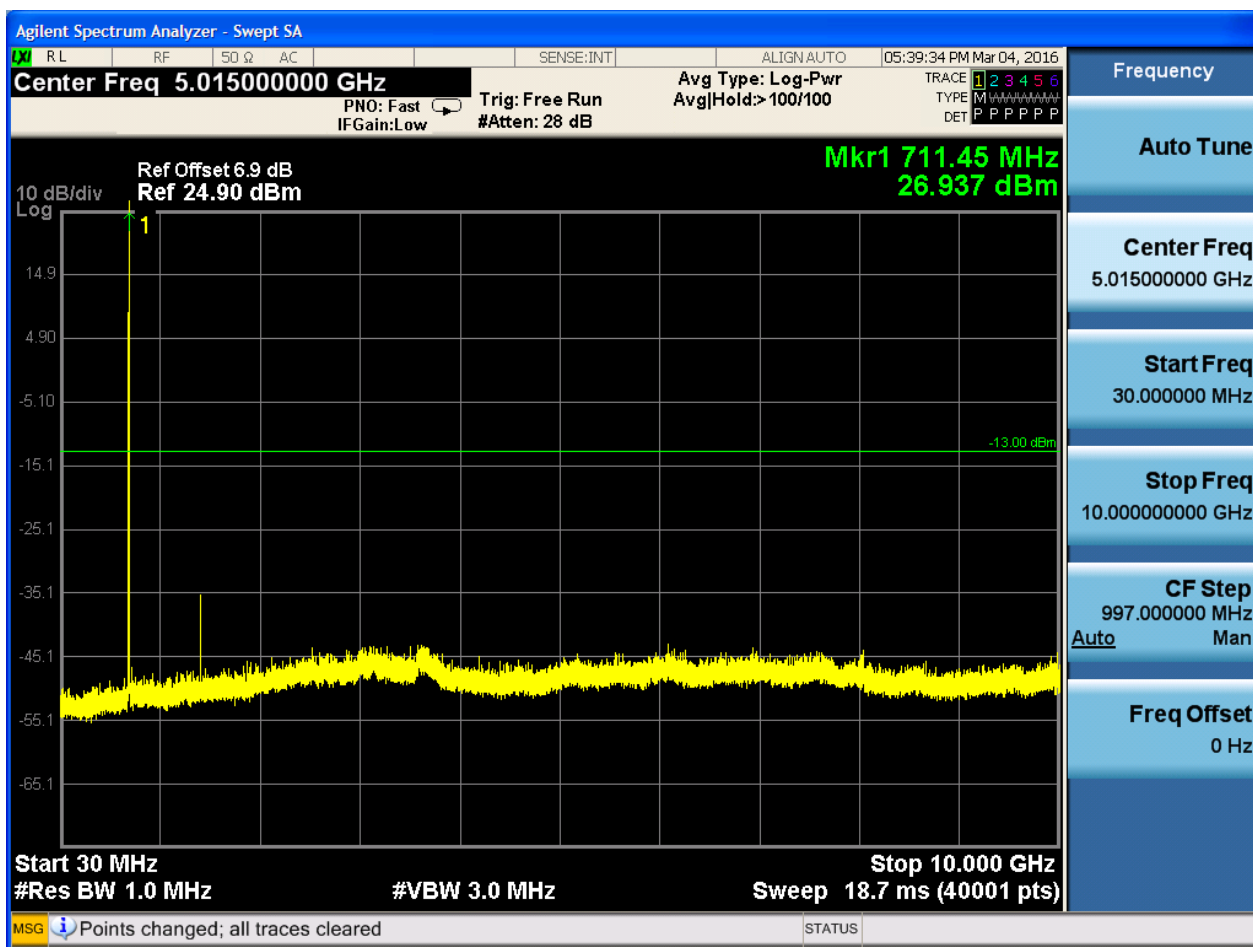


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





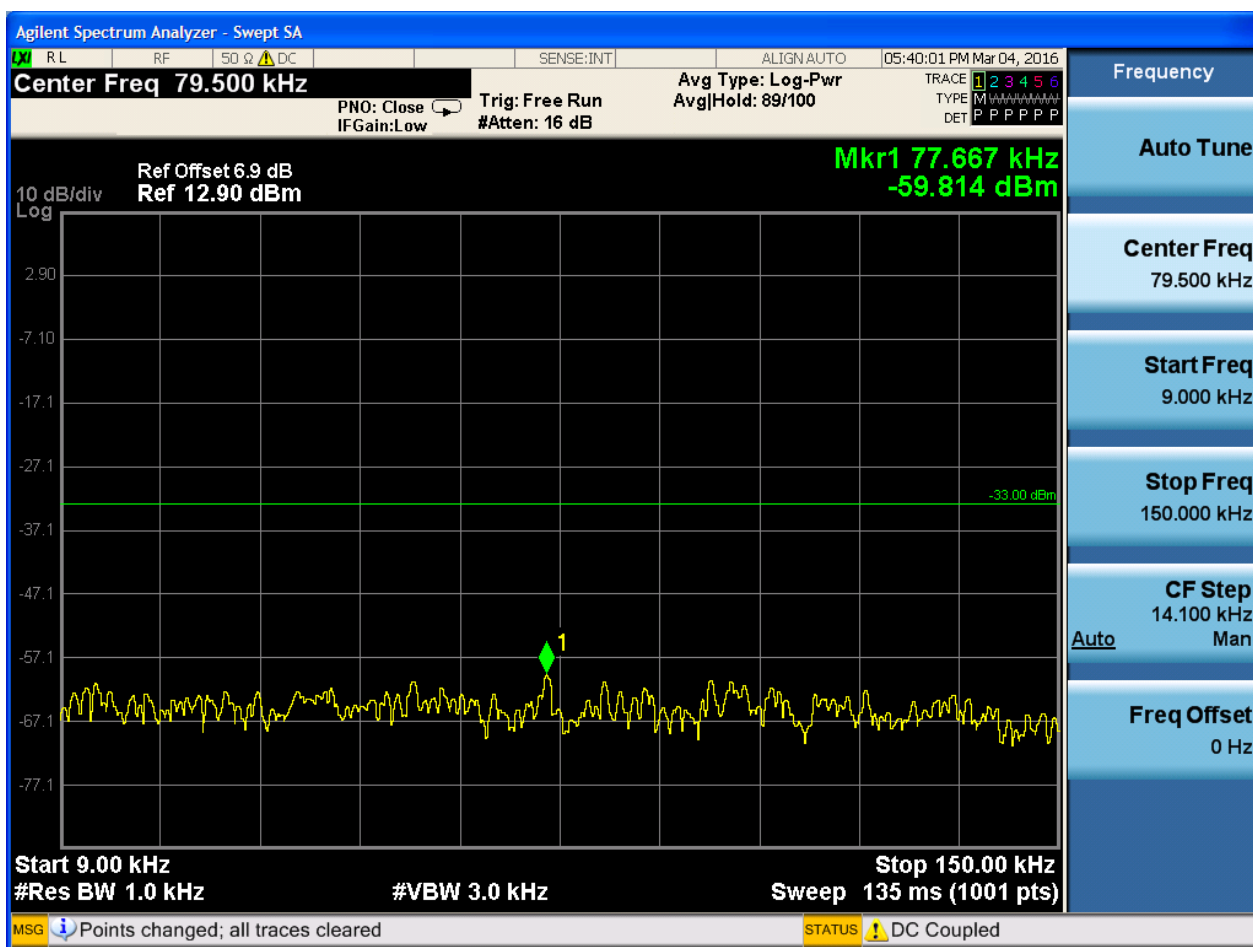


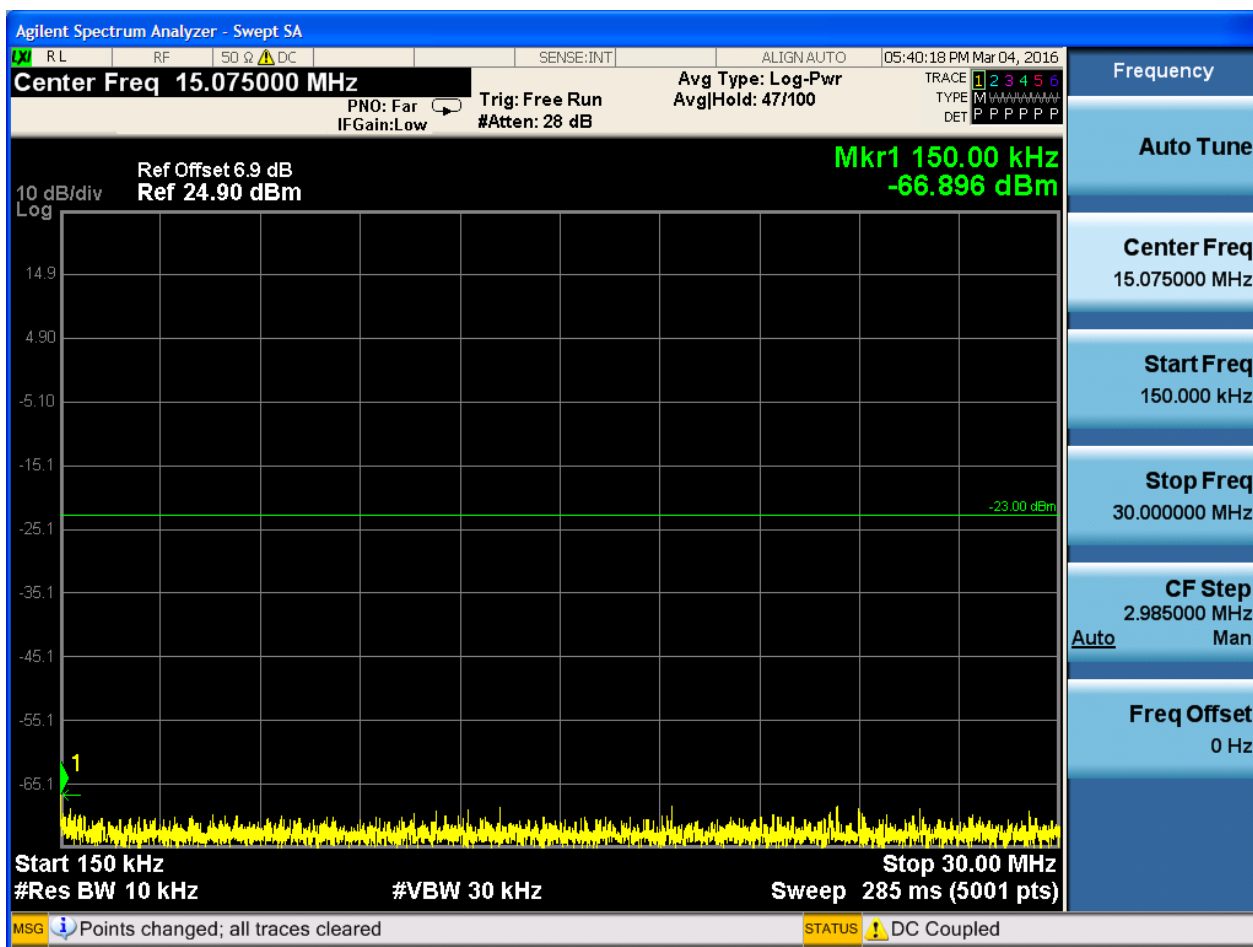


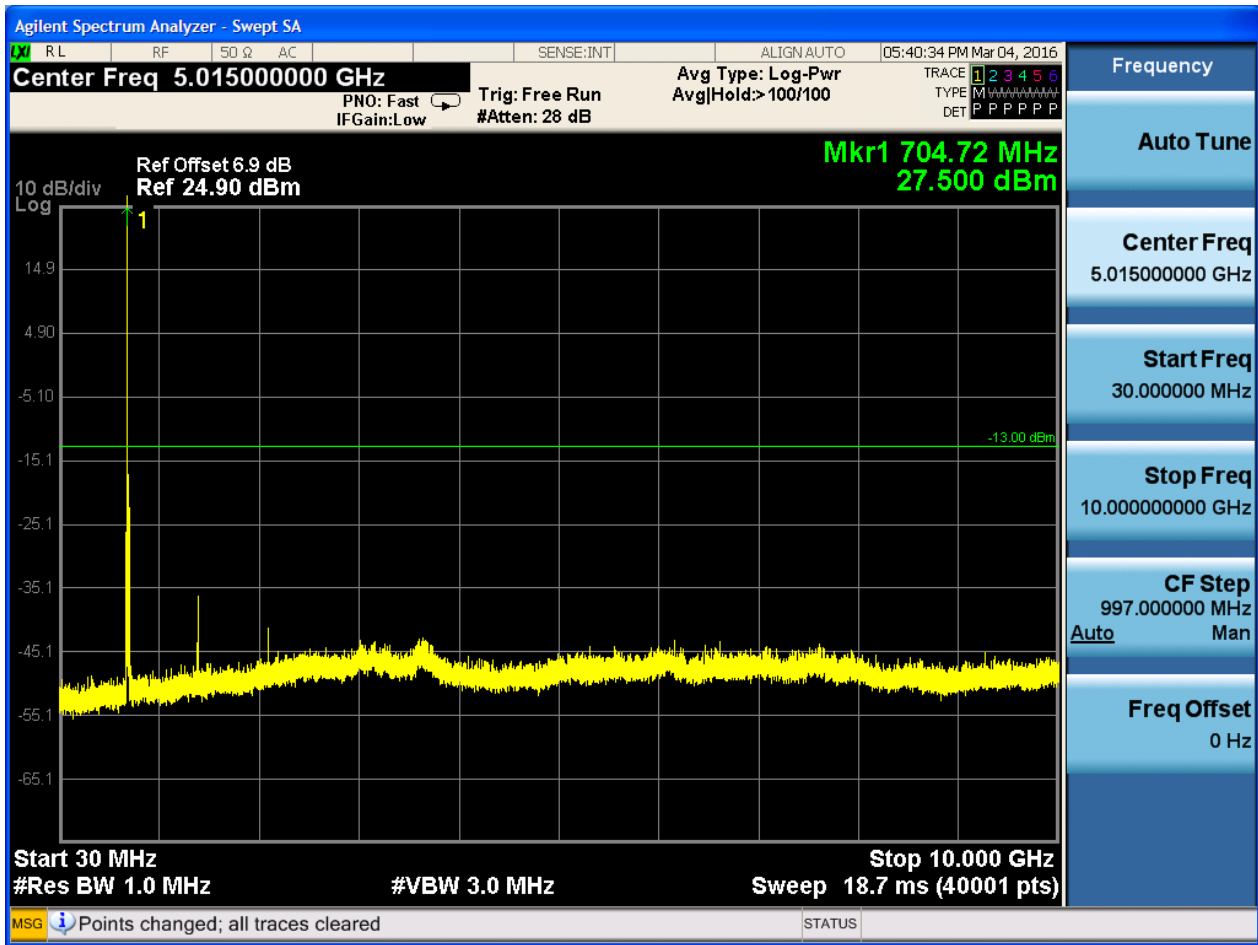
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



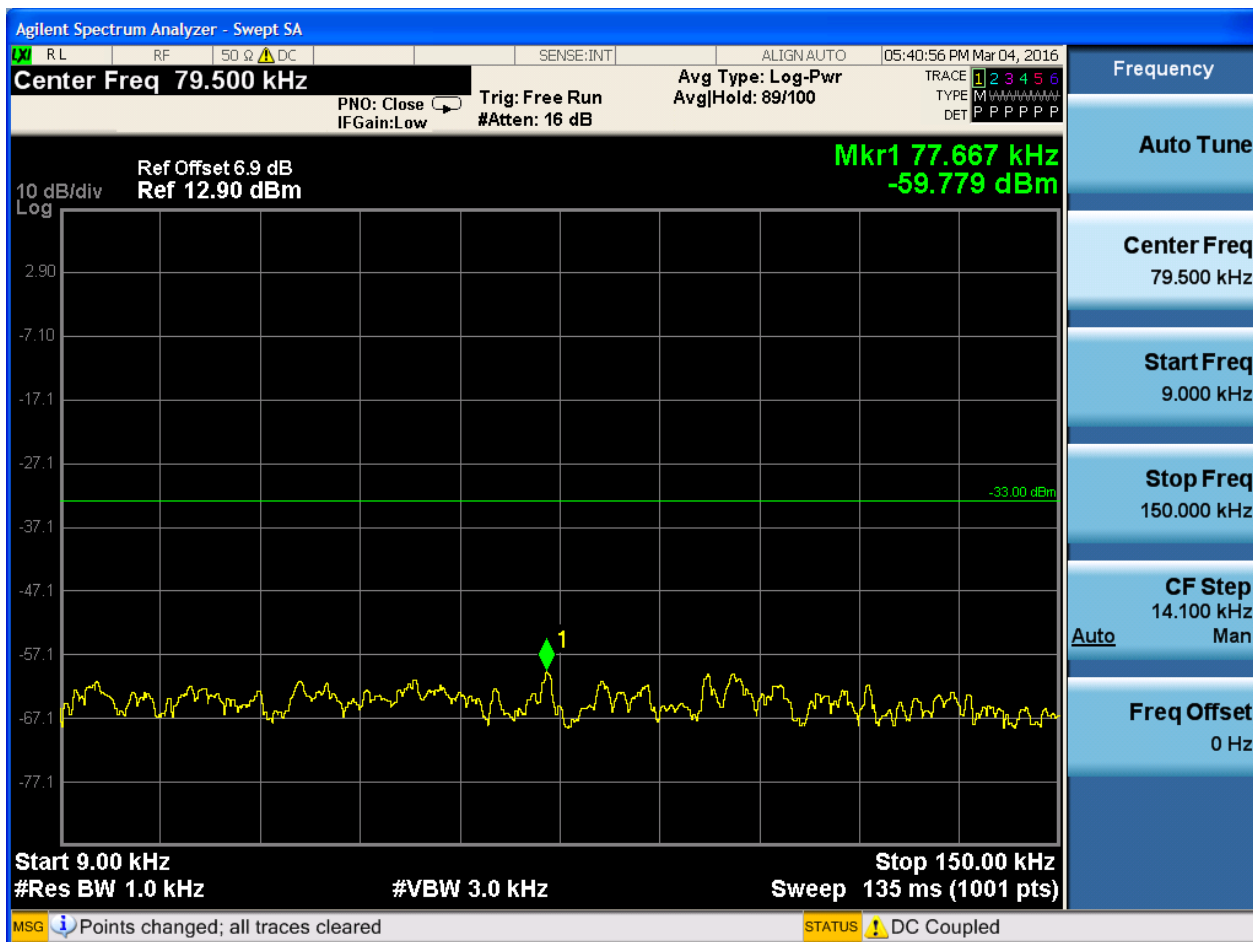




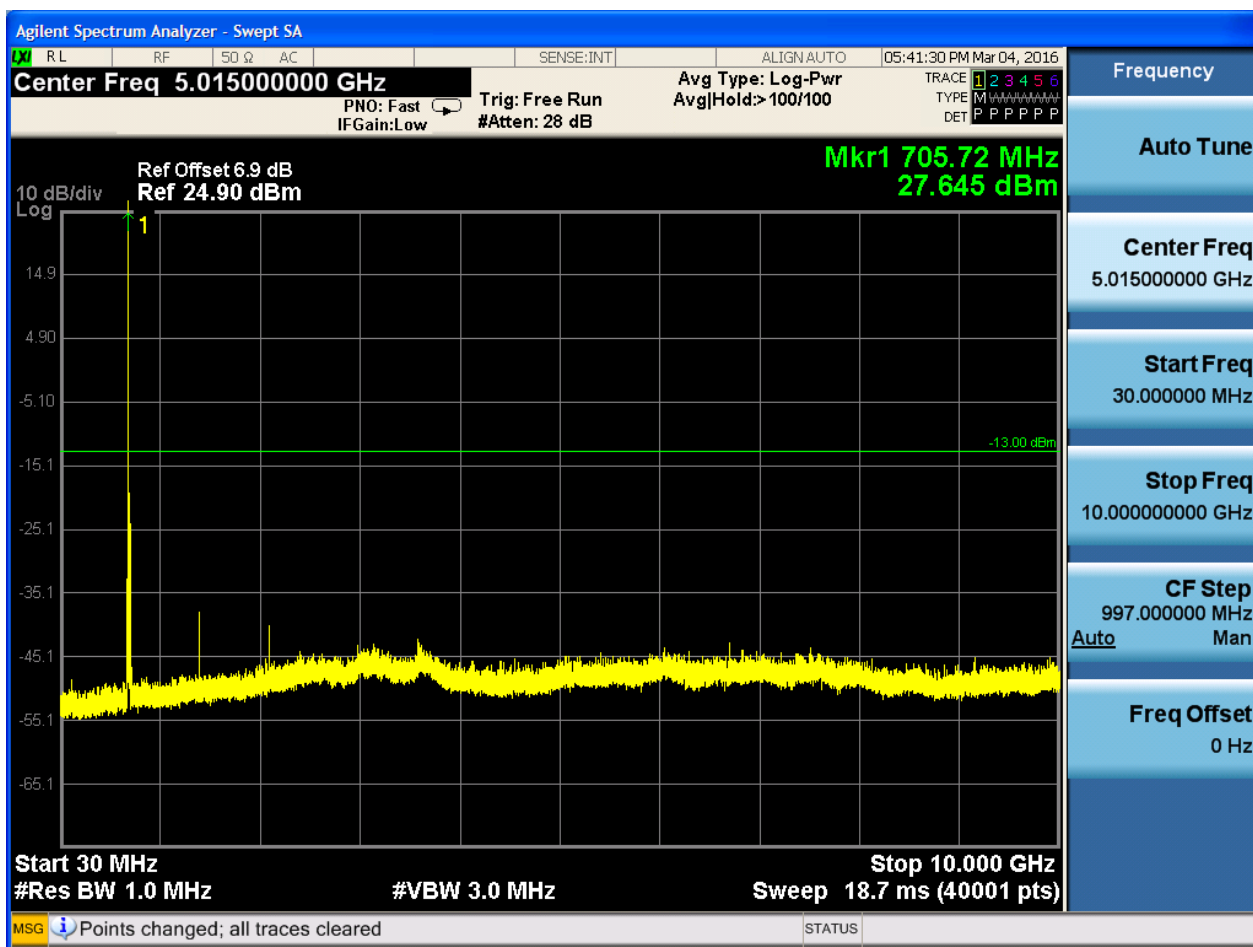


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



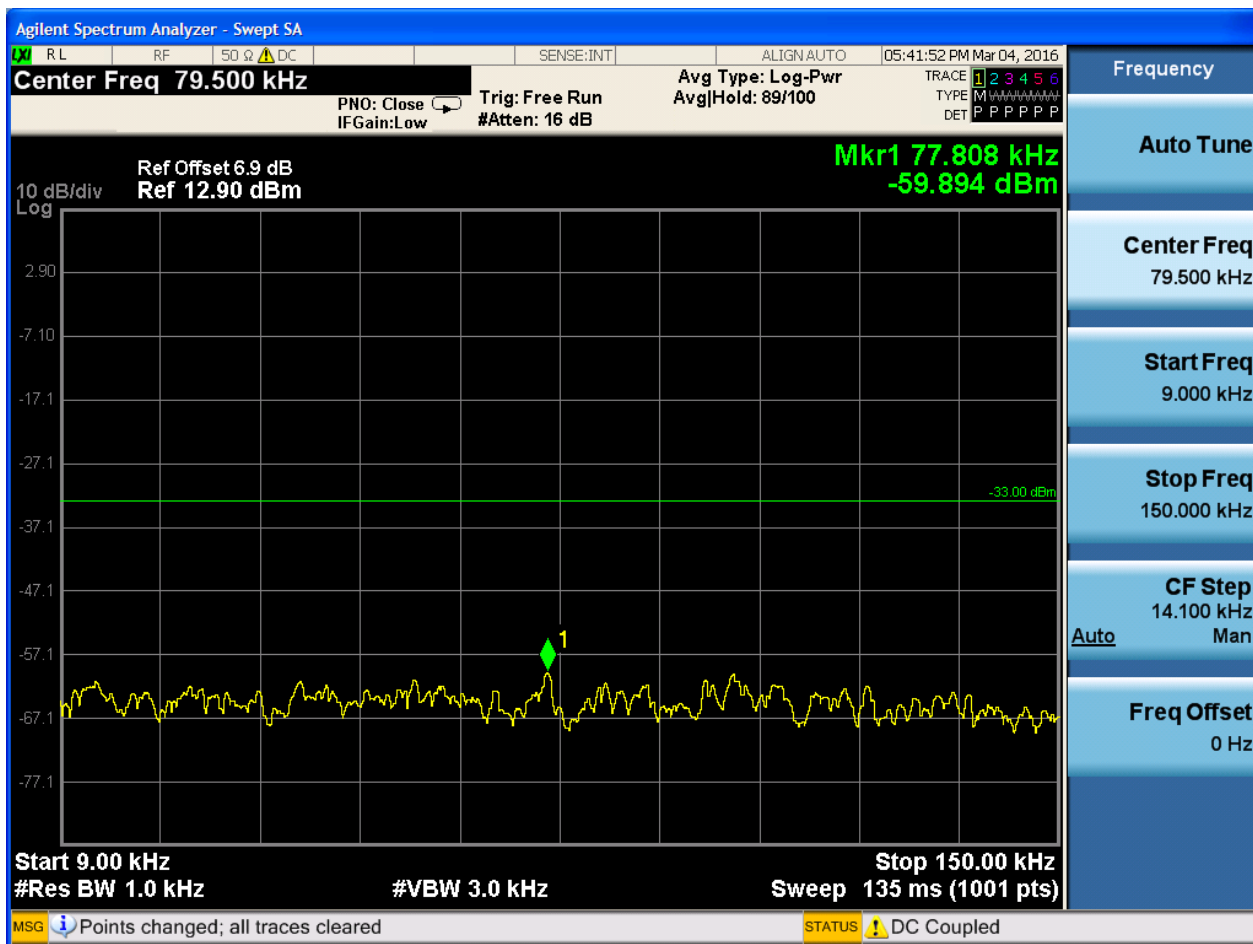


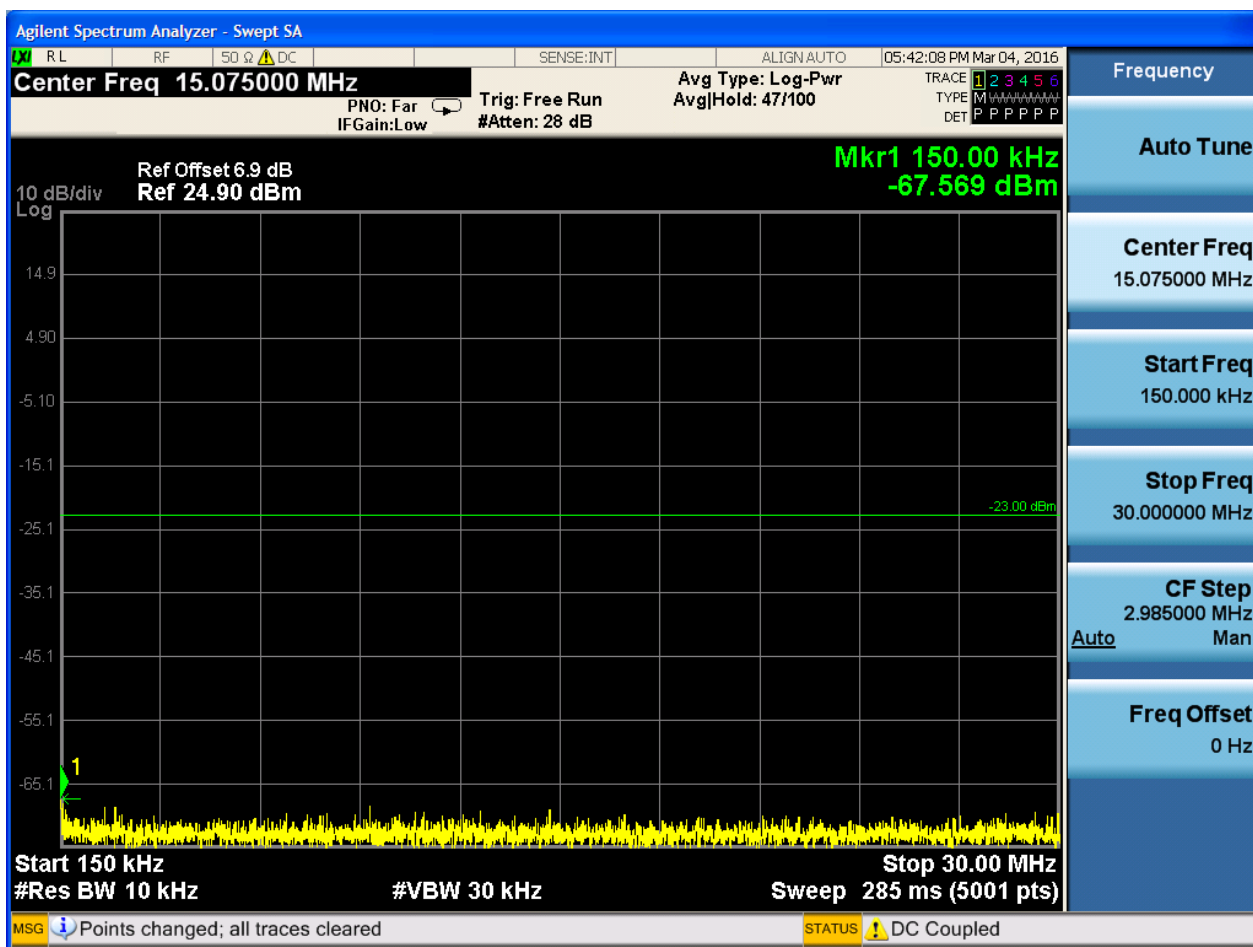


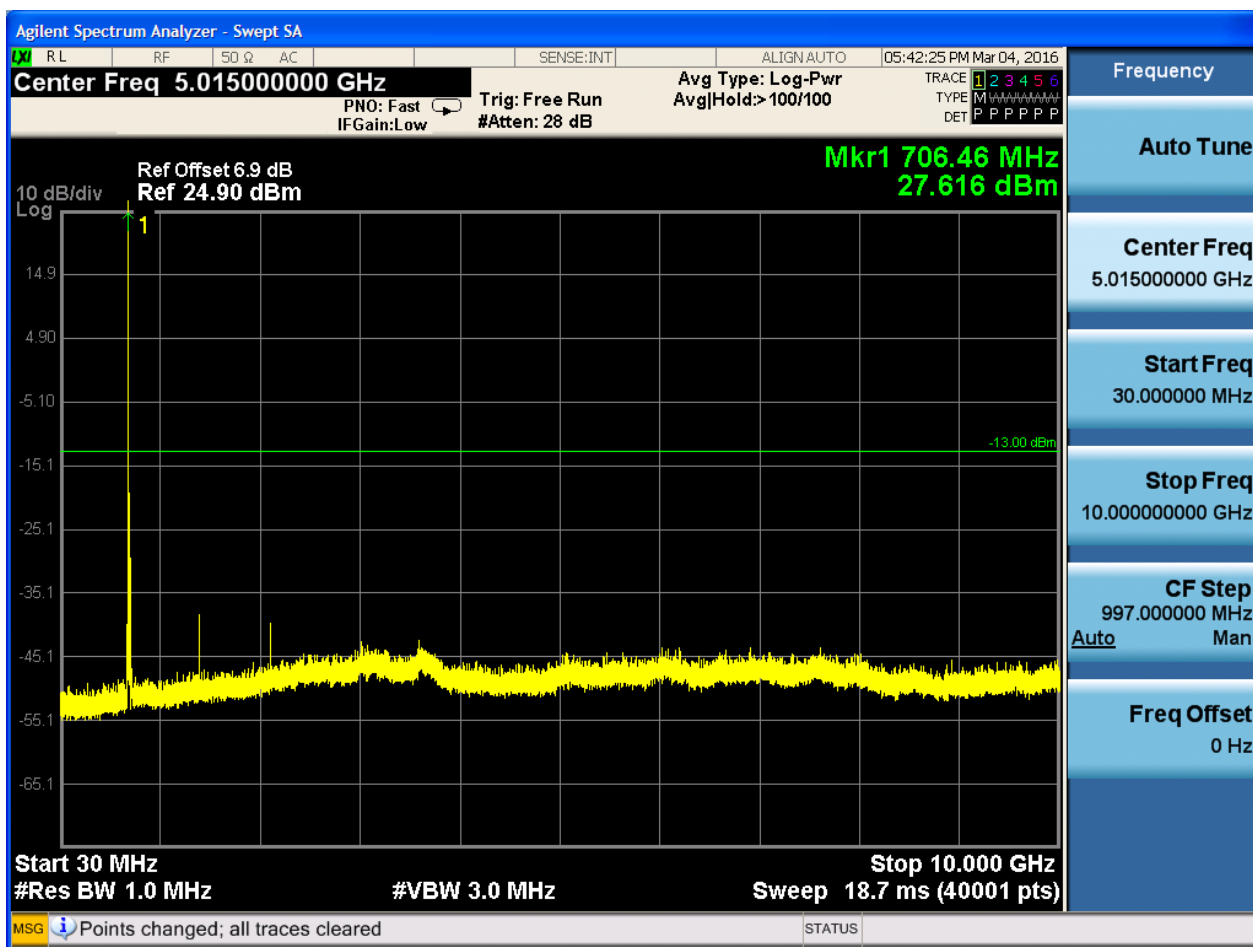


6.1.1.2.2.3 Test Channel = HCH

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

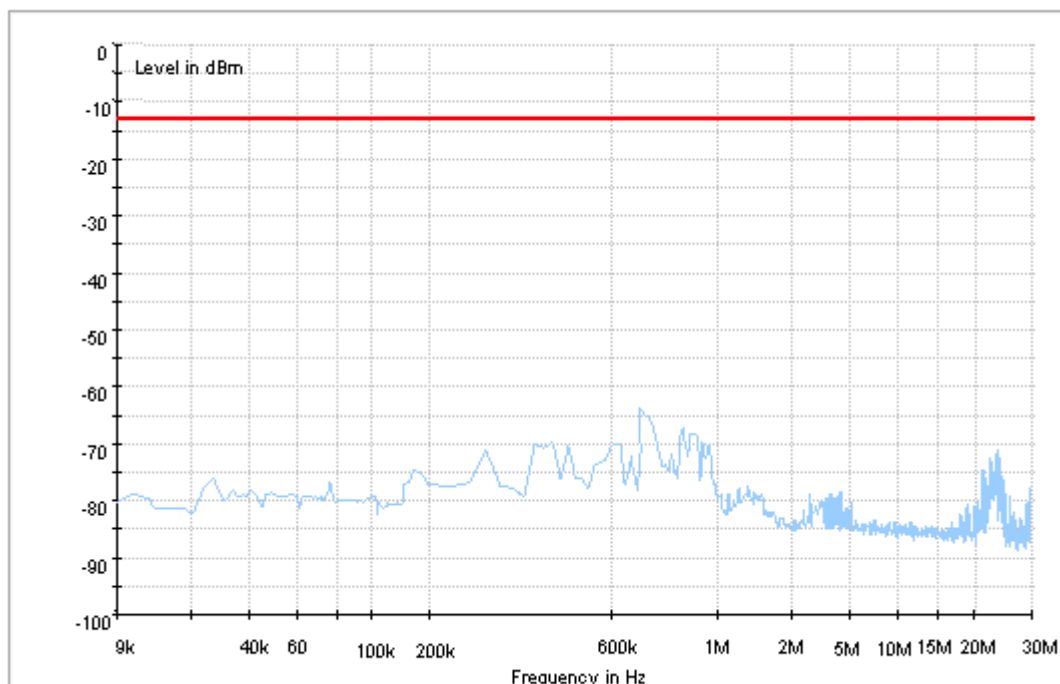
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

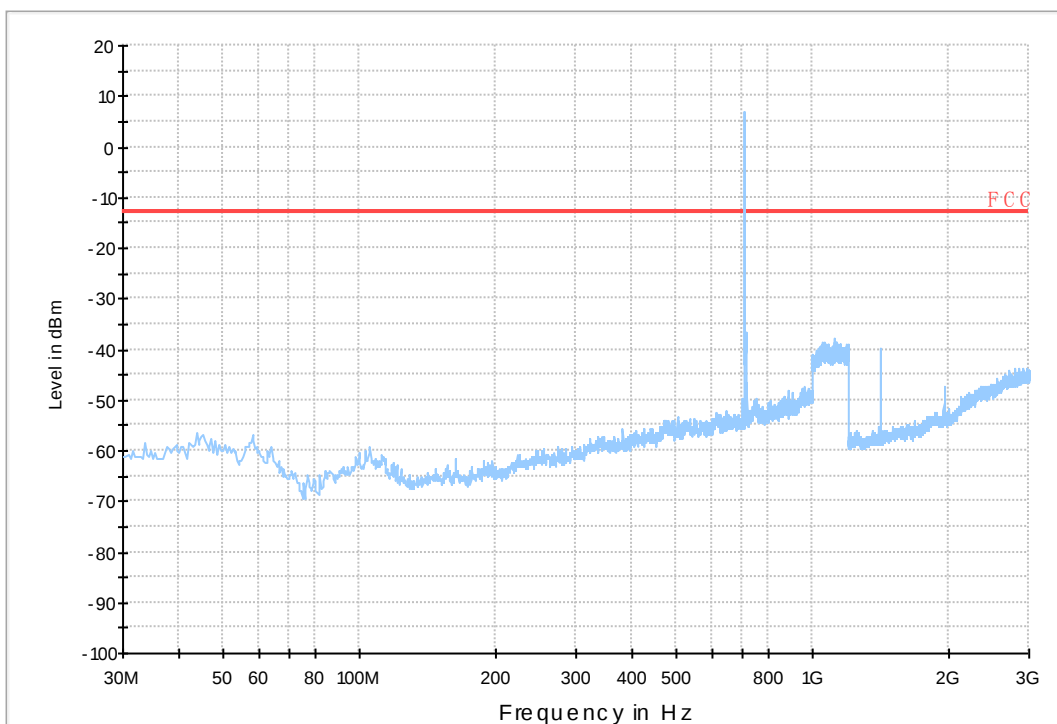
7.1 For LTE

7.1.1 Test Band = BAND17

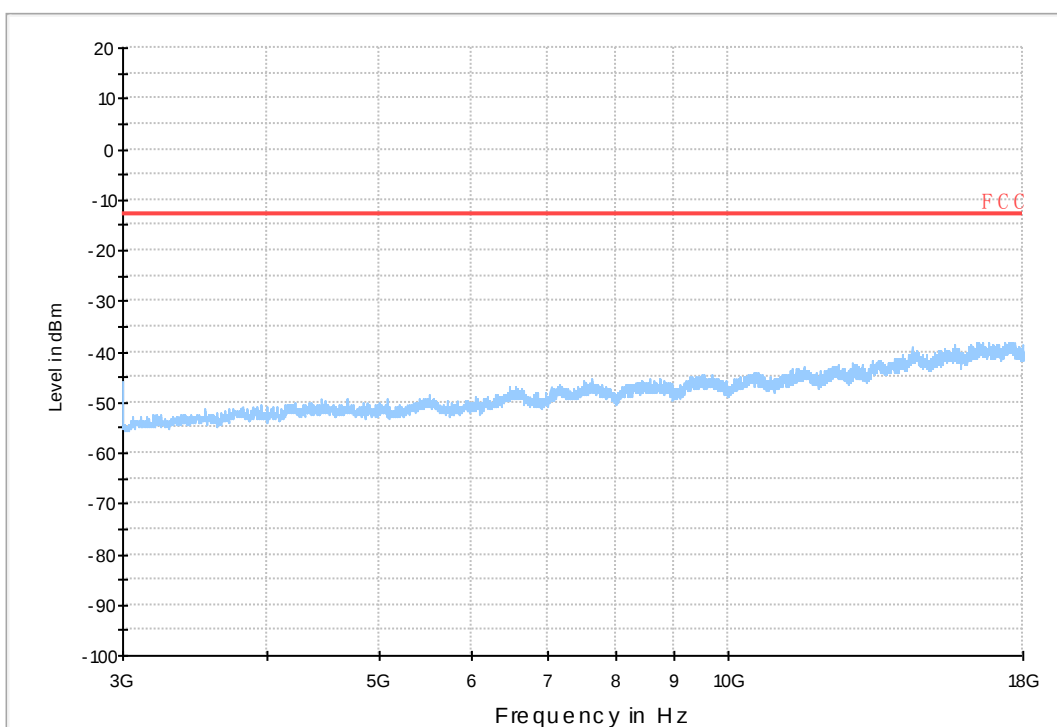
7.1.1.1 Test Bandwidth = 5



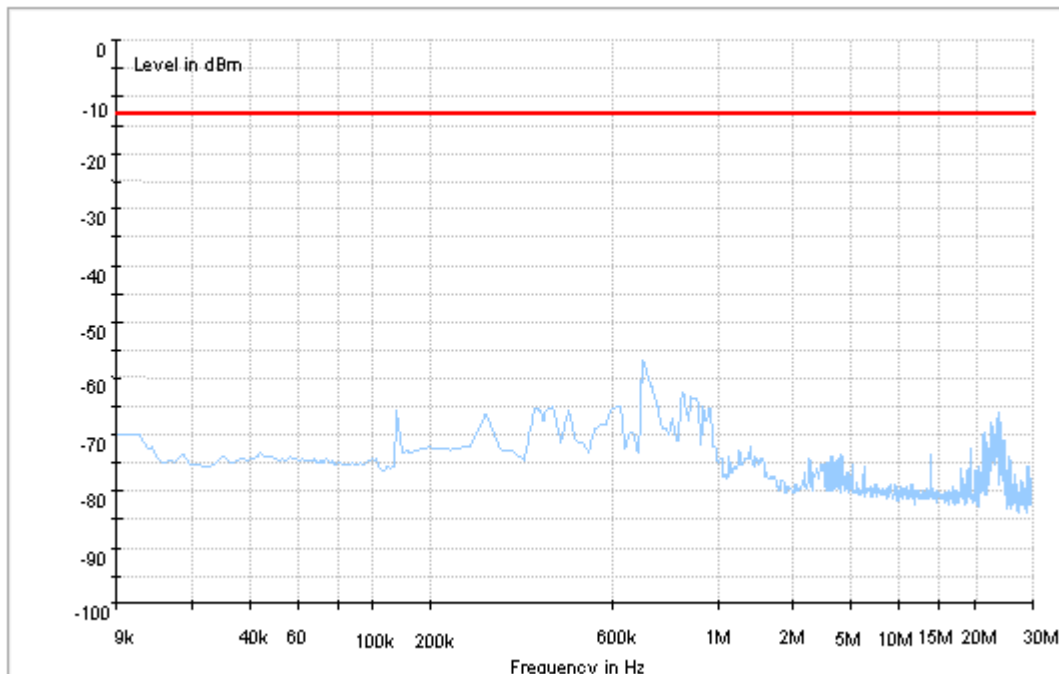
Copy of RSE-TX-DIRECTOR BELOW 1G_L



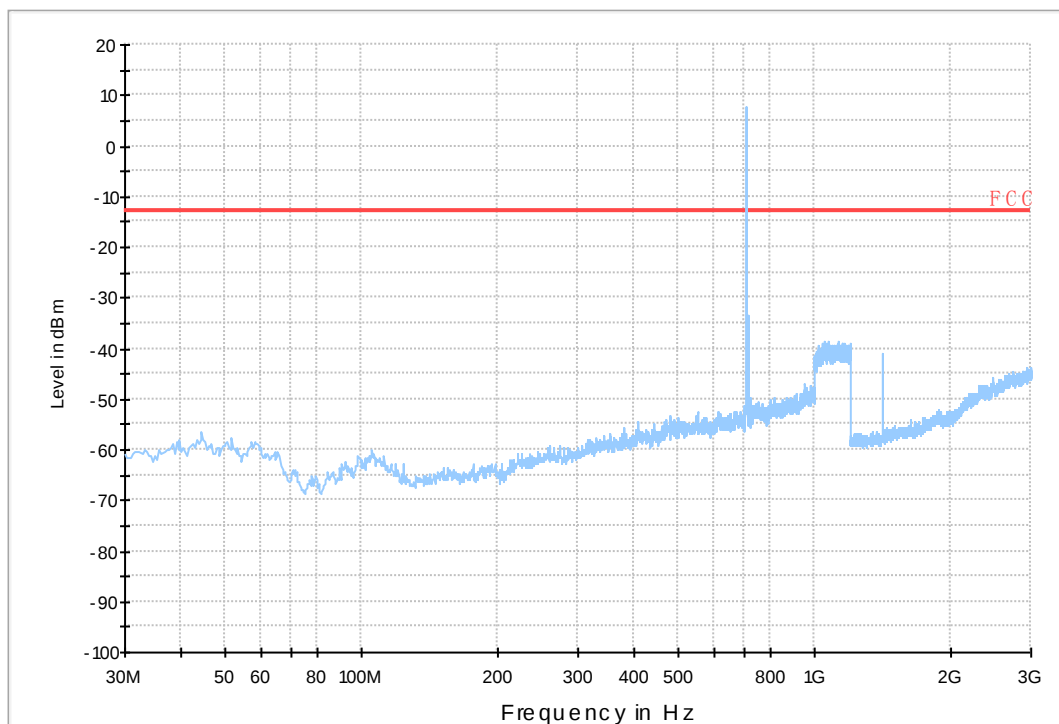
Copy of RSE-TX-DIRECTOR BELOW 1G_H



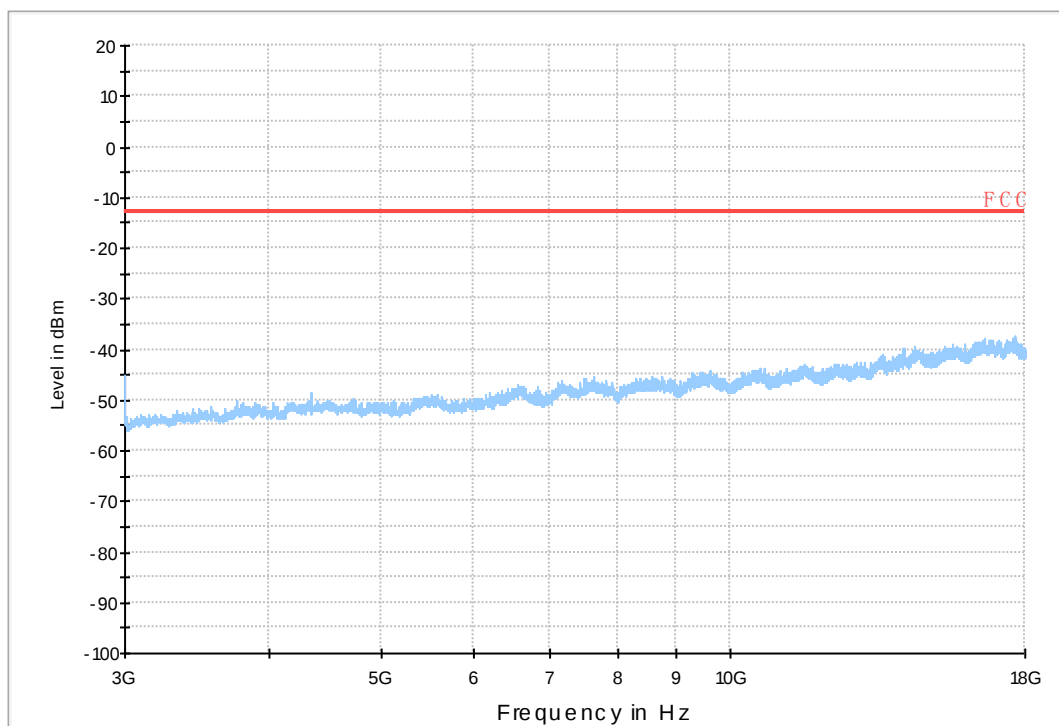
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1	5	LCH	TN	VL	1.44	0.00204	PASS
					VN	3.29	0.00466	PASS
					VH	3.49	0.00494	PASS
			MCH	TN	VL	-0.92	-0.0013	PASS
					VN	2.16	0.00304	PASS
					VH	1.36	0.00192	PASS
		10	HCH	TN	VL	1.4	0.00196	PASS
					VN	0.27	0.00038	PASS
					VH	-0.59	-0.00083	PASS
			LCH	TN	VL	-7.37	-0.01039	PASS
					VN	-16.88	-0.02381	PASS
					VH	-20.57	-0.02901	PASS
	LTE/TM2	5	MCH	TN	VL	-2.05	-0.00289	PASS
					VN	1.16	0.00163	PASS
					VH	-6.25	-0.0088	PASS
			HCH	TN	VL	-3.62	-0.00509	PASS
					VN	1.89	0.00266	PASS
					VH	-1.17	-0.00165	PASS
		10	LCH	TN	VL	1.89	0.00268	PASS
					VN	0.41	0.00058	PASS
					VH	-0.26	-0.00037	PASS
			MCH	TN	VL	2.56	0.00361	PASS
					VN	1.43	0.00201	PASS
					VH	-2.6	-0.00366	PASS
		10	HCH	TN	VL	2.43	0.00341	PASS
					VN	-2.53	-0.00355	PASS
					VH	3.81	0.00534	PASS
			LCH	TN	VL	-22.65	-0.03195	PASS
					VN	-19.43	-0.0274	PASS
					VH	-6.69	-0.00944	PASS
			MCH	TN	VL	2.25	0.00317	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
				TN	VN	-4.76	-0.0067	PASS	
					VH	1.97	0.00277	PASS	
			HCH		VL	-4.32	-0.00608	PASS	
					VN	1.33	0.00187	PASS	
					VH	-1.92	-0.0027	PASS	

8.1.2 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	VN	-30	1.14	0.00161	PASS
					-20	2.4	0.0034	PASS
					-10	1.95	0.00276	PASS
					0	-0.17	-0.00024	PASS
					10	3.72	0.00527	PASS
					20	0.27	0.00038	PASS
					30	-0.79	-0.00112	PASS
					40	3.23	0.00457	PASS
					50	2.82	0.00399	PASS
			MCH	VN	-30	-1.62	-0.00228	PASS
					-20	2.65	0.00373	PASS
					-10	2.47	0.00348	PASS
					0	-1.43	-0.00201	PASS
					10	-1.02	-0.00144	PASS
					20	-1.36	-0.00192	PASS
					30	-2.45	-0.00345	PASS
					40	1	0.00141	PASS
					50	-0.26	-0.00037	PASS
			HCH	VN	-30	-3.05	-0.00427	PASS
					-20	5.82	0.00816	PASS
					-10	1.72	0.00241	PASS
					0	0.66	0.00093	PASS
					10	-0.8	-0.00112	PASS
					20	1.09	0.00153	PASS
					30	-1.75	-0.00245	PASS
					40	2.06	0.00289	PASS
					50	0.3	0.00042	PASS
		10	LCH	VN	-30	-11.69	-0.01649	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-16.02	-0.0226	PASS
					-10	-20.71	-0.02921	PASS
					0	-17.61	-0.02484	PASS
					10	-19	-0.0268	PASS
					20	-19.47	-0.02746	PASS
					30	-15.88	-0.0224	PASS
					40	-12.53	-0.01767	PASS
					50	-5.78	-0.00815	PASS
			MCH	VN	-30	-1.06	-0.00149	PASS
					-20	-6.02	-0.00848	PASS
					-10	-1.97	-0.00277	PASS
					0	-1.77	-0.00249	PASS
					10	-5.59	-0.00787	PASS
					20	-4.79	-0.00675	PASS
					30	-1.54	-0.00217	PASS
					40	-0.76	-0.00107	PASS
					50	-1.5	-0.00211	PASS
			HCH	VN	-30	1.85	0.0026	PASS
					-20	0.8	0.00113	PASS
					-10	2.73	0.00384	PASS
					0	-3.42	-0.00481	PASS
					10	2.16	0.00304	PASS
					20	3.62	0.00509	PASS
					30	0.74	0.00104	PASS
					40	-3.85	-0.00541	PASS
					50	7.17	0.01008	PASS
	LTE/TM2	5	LCH	VN	-30	-0.19	-0.00027	PASS
					-20	2.17	0.00307	PASS
					-10	-1.06	-0.0015	PASS
					0	-1.75	-0.00248	PASS
					10	-1.89	-0.00268	PASS
					20	-0.33	-0.00047	PASS
					30	-0.86	-0.00122	PASS
					40	-0.21	-0.0003	PASS
					50	-0.41	-0.00058	PASS
			MCH	VN	-30	-0.46	-0.00065	PASS
					-20	0.19	0.00027	PASS
					-10	0.13	0.00018	PASS
					0	-0.66	-0.00093	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	4.84	0.00682	PASS
					20	-1.02	-0.00144	PASS
					30	0.33	0.00046	PASS
					40	-1.22	-0.00172	PASS
					50	1.57	0.00221	PASS
			HCH	VN	-30	-1.47	-0.00206	PASS
					-20	-0.27	-0.00038	PASS
					-10	3.15	0.00441	PASS
					0	0.14	0.0002	PASS
					10	-0.41	-0.00057	PASS
					20	0.67	0.00094	PASS
					30	2.72	0.00381	PASS
					40	-0.04	-0.00006	PASS
					50	-1.32	-0.00185	PASS
		10	LCH	VN	-30	-8.3	-0.01171	PASS
					-20	-11.23	-0.01584	PASS
					-10	-13.1	-0.01848	PASS
					0	-17.78	-0.02508	PASS
					10	-11.93	-0.01683	PASS
					20	-9.14	-0.01289	PASS
					30	-21.56	-0.03041	PASS
					40	-25.09	-0.03539	PASS
					50	-12.06	-0.01701	PASS
			MCH	VN	-30	1.72	0.00242	PASS
					-20	-3.39	-0.00477	PASS
					-10	-0.72	-0.00101	PASS
					0	-1.93	-0.00272	PASS
					10	1.49	0.0021	PASS
					20	1.4	0.00197	PASS
					30	-3.45	-0.00486	PASS
					40	-0.31	-0.00044	PASS
					50	-3.05	-0.0043	PASS
			HCH	VN	-30	2.95	0.00415	PASS
					-20	0.94	0.00132	PASS
					-10	-1.77	-0.00249	PASS
					0	-2.22	-0.00312	PASS
					10	-0.94	-0.00132	PASS
					20	-0.07	-0.0001	PASS
					30	-2.92	-0.00411	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-3.15	-0.00443	PASS
					50	-4.56	-0.00641	PASS

END