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	23.24	18.39	34.7	PASS
				RB1#13	23.31	18.46	34.7	PASS
				RB1#24	23.22	18.37	34.7	PASS
				RB12#0	22.15	17.3	34.7	PASS
				RB12#6	22.13	17.28	34.7	PASS
				RB12#13	22.25	17.4	34.7	PASS
				RB25#0	22.2	17.35	34.7	PASS
			MCH	RB1#0	23.41	18.56	34.7	PASS
				RB1#13	23.15	18.3	34.7	PASS
				RB1#24	23.06	18.21	34.7	PASS
				RB12#0	22.04	17.19	34.7	PASS
				RB12#6	22.08	17.23	34.7	PASS
				RB12#13	22.17	17.32	34.7	PASS
				RB25#0	22.24	17.39	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.3	18.45	34.7	PASS
				RB1#13	23.17	18.32	34.7	PASS
				RB1#24	23.02	18.17	34.7	PASS
				RB12#0	22.29	17.44	34.7	PASS
				RB12#6	22.27	17.42	34.7	PASS
				RB12#13	22.15	17.3	34.7	PASS
				RB25#0	22.18	17.33	34.7	PASS
		10	LCH	RB1#0	23.44	18.59	34.7	PASS
				RB1#25	23.43	18.58	34.7	PASS
				RB1#49	23.46	18.61	34.7	PASS
				RB25#0	22.32	17.47	34.7	PASS
				RB25#13	22.27	17.42	34.7	PASS
				RB25#25	22.29	17.44	34.7	PASS
				RB50#0	22.36	17.51	34.7	PASS
			MCH	RB1#0	23.6	18.75	34.7	PASS
				RB1#25	23.37	18.52	34.7	PASS
				RB1#49	23.38	18.53	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.34	17.49	34.7	PASS
				RB25#13	22.23	17.38	34.7	PASS
				RB25#25	22.28	17.43	34.7	PASS
				RB50#0	22.29	17.44	34.7	PASS
			HCH	RB1#0	23.33	18.48	34.7	PASS
				RB1#25	23.24	18.39	34.7	PASS
				RB1#49	23.12	18.27	34.7	PASS
				RB25#0	22.32	17.47	34.7	PASS
				RB25#13	22.23	17.38	34.7	PASS
				RB25#25	22.15	17.3	34.7	PASS
				RB50#0	22.23	17.38	34.7	PASS
	LTE/TM2	5	LCH	RB1#0	22.44	17.59	34.7	PASS
				RB1#13	22.39	17.54	34.7	PASS
				RB1#24	22.5	17.65	34.7	PASS
				RB12#0	21.18	16.33	34.7	PASS
				RB12#6	21.17	16.32	34.7	PASS
				RB12#13	21.11	16.26	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.18	16.33	34.7	PASS
			MCH	RB1#0	22.65	17.8	34.7	PASS
				RB1#13	22.29	17.44	34.7	PASS
				RB1#24	22.29	17.44	34.7	PASS
				RB12#0	21.12	16.27	34.7	PASS
				RB12#6	21.16	16.31	34.7	PASS
				RB12#13	21.25	16.4	34.7	PASS
				RB25#0	21.34	16.49	34.7	PASS
			HCH	RB1#0	22.69	17.84	34.7	PASS
				RB1#13	22.35	17.5	34.7	PASS
				RB1#24	22.24	17.39	34.7	PASS
				RB12#0	21.08	16.23	34.7	PASS
				RB12#6	21.1	16.25	34.7	PASS
				RB12#13	20.97	16.12	34.7	PASS
				RB25#0	21.17	16.32	34.7	PASS
		10	LCH	RB1#0	22.53	17.68	34.7	PASS
				RB1#25	22.47	17.62	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.47	17.62	34.7	PASS
				RB25#0	21.37	16.52	34.7	PASS
				RB25#13	21.2	16.35	34.7	PASS
				RB25#25	21.18	16.33	34.7	PASS
				RB50#0	21.22	16.37	34.7	PASS
			MCH	RB1#0	22.78	17.93	34.7	PASS
				RB1#25	22.5	17.65	34.7	PASS
				RB1#49	22.46	17.61	34.7	PASS
				RB25#0	21.36	16.51	34.7	PASS
				RB25#13	21.25	16.4	34.7	PASS
				RB25#25	21.38	16.53	34.7	PASS
				RB50#0	21.24	16.39	34.7	PASS
			HCH	RB1#0	22.64	17.79	34.7	PASS
				RB1#25	21.98	17.13	34.7	PASS
				RB1#49	21.99	17.14	34.7	PASS
				RB25#0	21.27	16.42	34.7	PASS
				RB25#13	21.27	16.42	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.28	16.43	34.7	PASS
				RB50#0	21.19	16.34	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,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + 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	3.78	13	PASS
				RB1#13	3.76	13	PASS
				RB1#24	3.81	13	PASS
				RB12#0	4.48	13	PASS
				RB12#6	4.41	13	PASS
				RB12#13	4.49	13	PASS
				RB25#0	5.2	13	PASS
			MCH	RB1#0	3.71	13	PASS
				RB1#13	3.9	13	PASS
				RB1#24	3.92	13	PASS
				RB12#0	4.52	13	PASS
				RB12#6	4.52	13	PASS
				RB12#13	4.63	13	PASS
				RB25#0	5.12	13	PASS
			HCH	RB1#0	3.88	13	PASS
				RB1#13	3.77	13	PASS
				RB1#24	3.71	13	PASS
				RB12#0	4.63	13	PASS
				RB12#6	4.42	13	PASS
				RB12#13	4.49	13	PASS
				RB25#0	5.2	13	PASS
		10	LCH	RB1#0	3.62	13	PASS
				RB1#25	3.73	13	PASS
				RB1#49	3.67	13	PASS
				RB25#0	4.43	13	PASS
				RB25#13	4.46	13	PASS
				RB25#25	4.61	13	PASS
				RB50#0	5.57	13	PASS
			MCH	RB1#0	3.45	13	PASS
				RB1#25	3.81	13	PASS
				RB1#49	3.6	13	PASS
				RB25#0	4.45	13	PASS
				RB25#13	4.52	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	4.58	13	PASS
				RB50#0	5.42	13	PASS
			HCH	RB1#0	3.66	13	PASS
				RB1#25	3.9	13	PASS
				RB1#49	3.65	13	PASS
				RB25#0	4.6	13	PASS
				RB25#13	4.54	13	PASS
				RB25#25	4.56	13	PASS
				RB50#0	5.57	13	PASS
	LTE/TM2	5	LCH	RB1#0	4.65	13	PASS
				RB1#13	4.62	13	PASS
				RB1#24	4.7	13	PASS
				RB12#0	5.27	13	PASS
				RB12#6	5.22	13	PASS
				RB12#13	5.33	13	PASS
				RB25#0	6.13	13	PASS
			MCH	RB1#0	4.63	13	PASS
				RB1#13	4.84	13	PASS
				RB1#24	4.8	13	PASS
				RB12#0	5.37	13	PASS
				RB12#6	5.37	13	PASS
				RB12#13	5.42	13	PASS
				RB25#0	6.13	13	PASS
			HCH	RB1#0	4.22	13	PASS
				RB1#13	4.03	13	PASS
				RB1#24	4.09	13	PASS
				RB12#0	5.49	13	PASS
				RB12#6	5.38	13	PASS
				RB12#13	5.33	13	PASS
				RB25#0	6.33	13	PASS
		10	LCH	RB1#0	4.68	13	PASS
				RB1#25	4.48	13	PASS
				RB1#49	4.54	13	PASS
				RB25#0	5.46	13	PASS
				RB25#13	5.45	13	PASS
				RB25#25	5.62	13	PASS
				RB50#0	6.2	13	PASS
			MCH	RB1#0	4.71	13	PASS
				RB1#25	4.51	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.33	13	PASS
				RB25#0	5.5	13	PASS
				RB25#13	5.51	13	PASS
				RB25#25	5.65	13	PASS
				RB50#0	6.45	13	PASS
			HCH	RB1#0	4.56	13	PASS
				RB1#25	4.88	13	PASS
				RB1#49	4.52	13	PASS
				RB25#0	5.32	13	PASS
				RB25#13	5.39	13	PASS
				RB25#25	5.48	13	PASS
				RB50#0	6.14	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

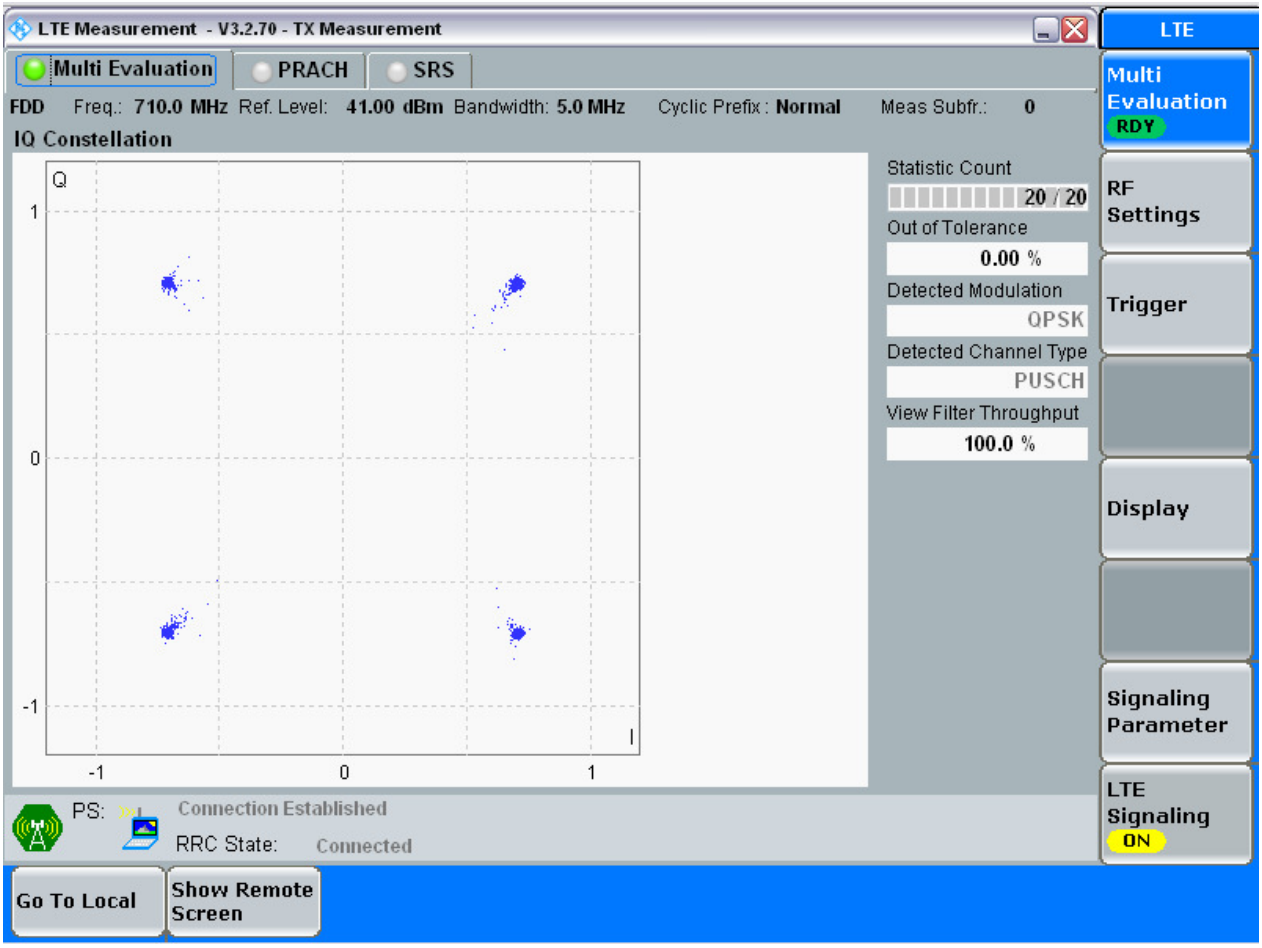
3.1.1 Test Band = BAND17

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

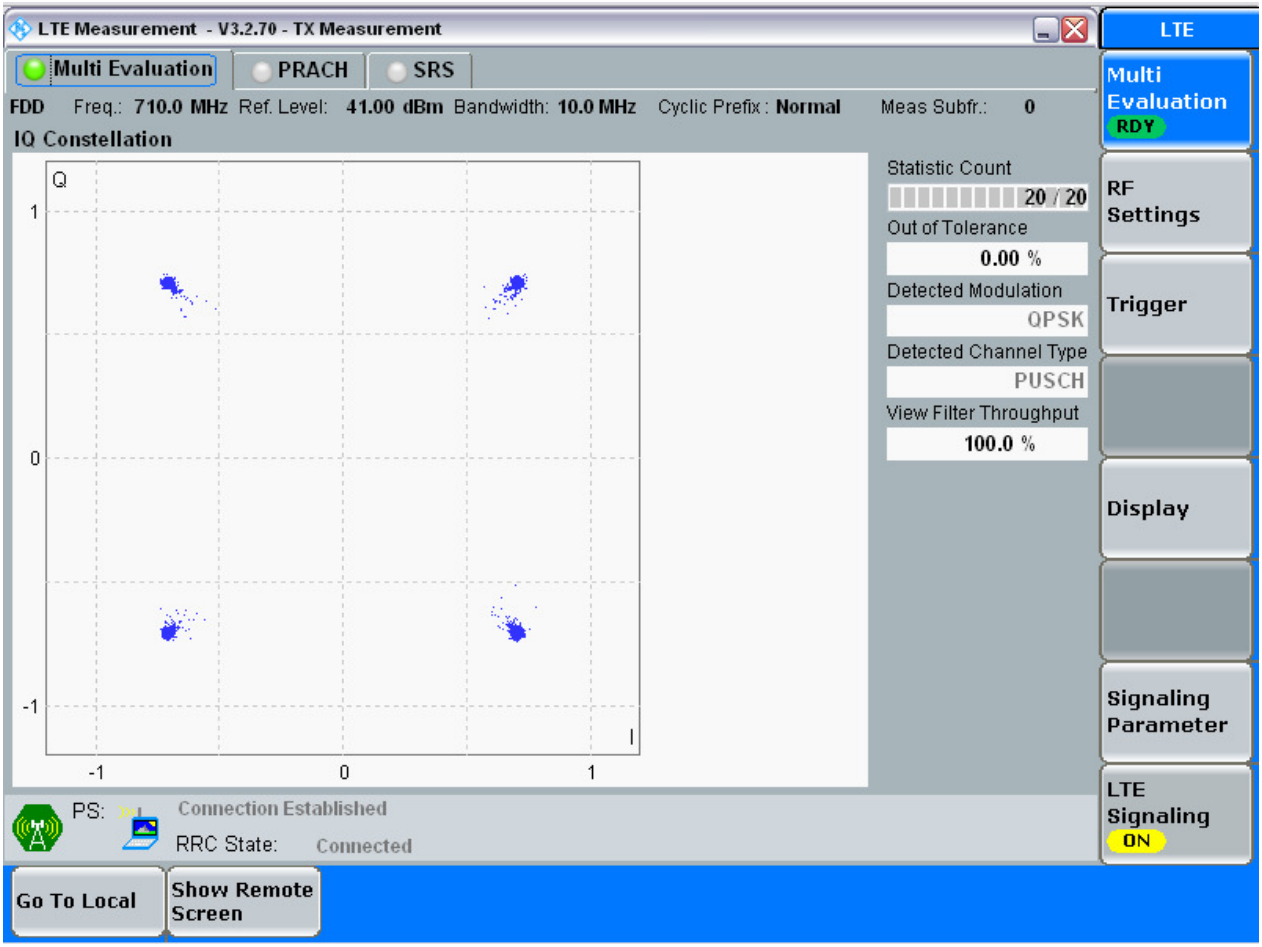
3.1.1.1.1.1.1 Test RB = RB25#0



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

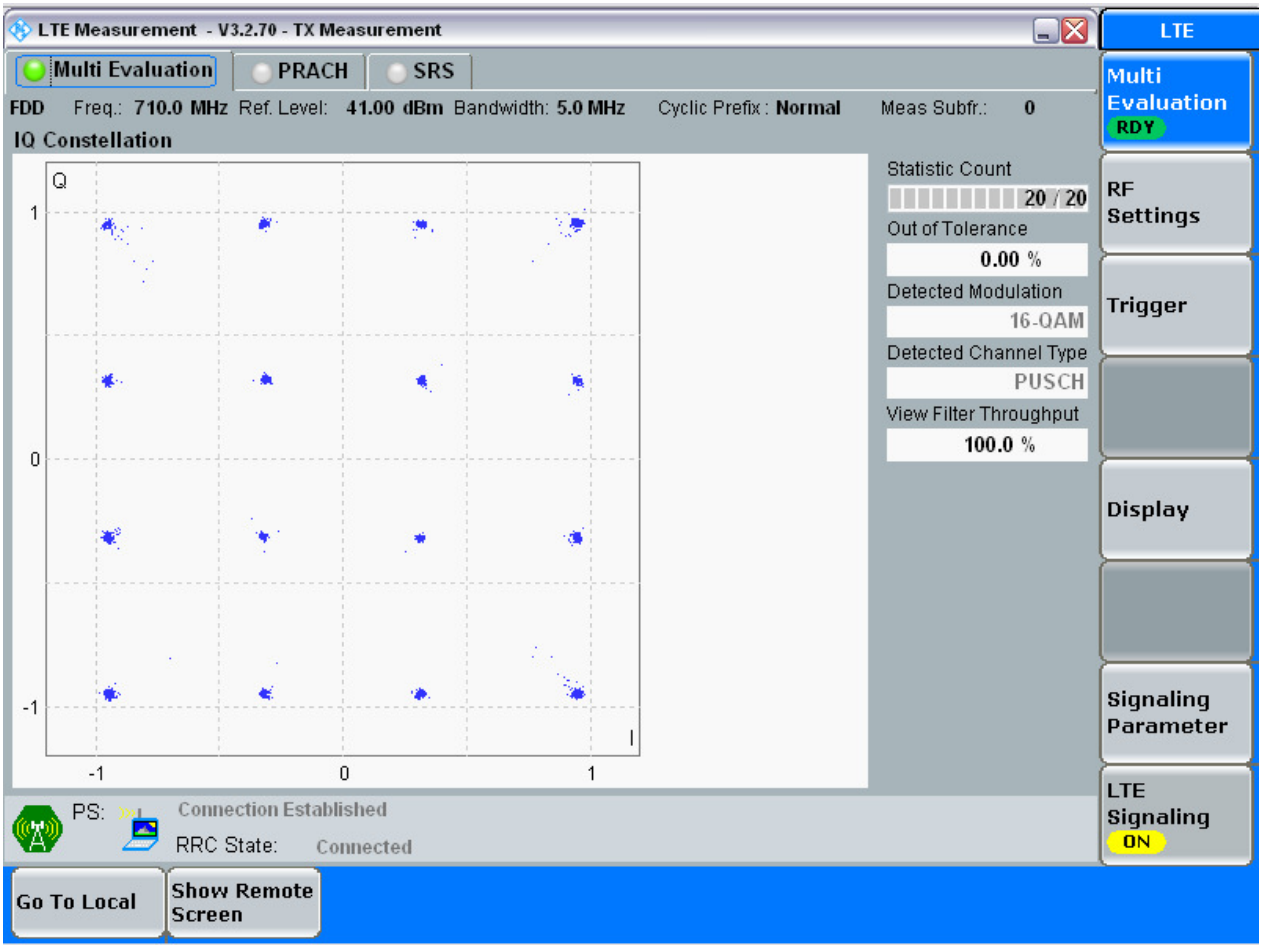


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

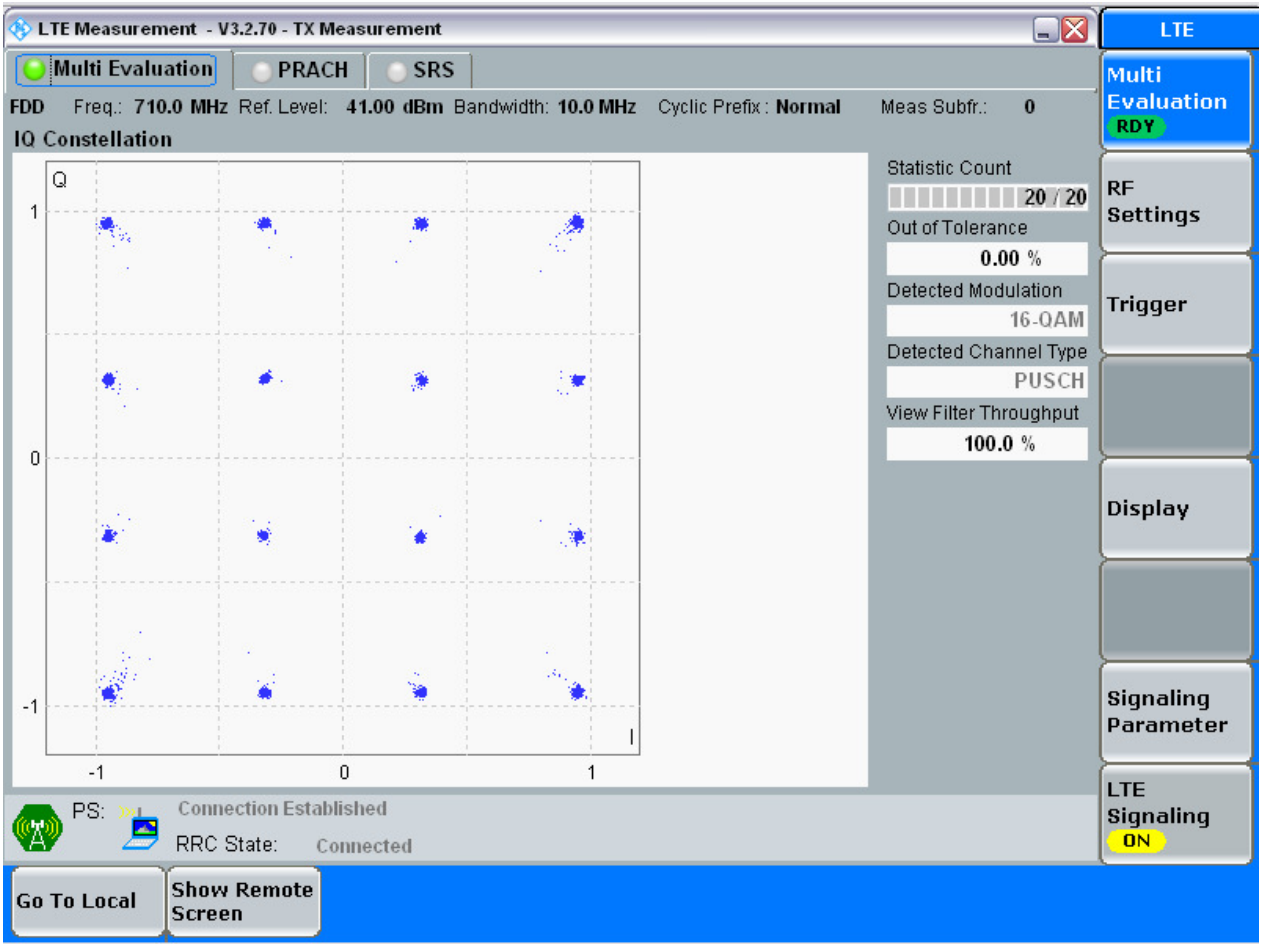
3.1.1.2.1.1.1 Test RB = RB25#0



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



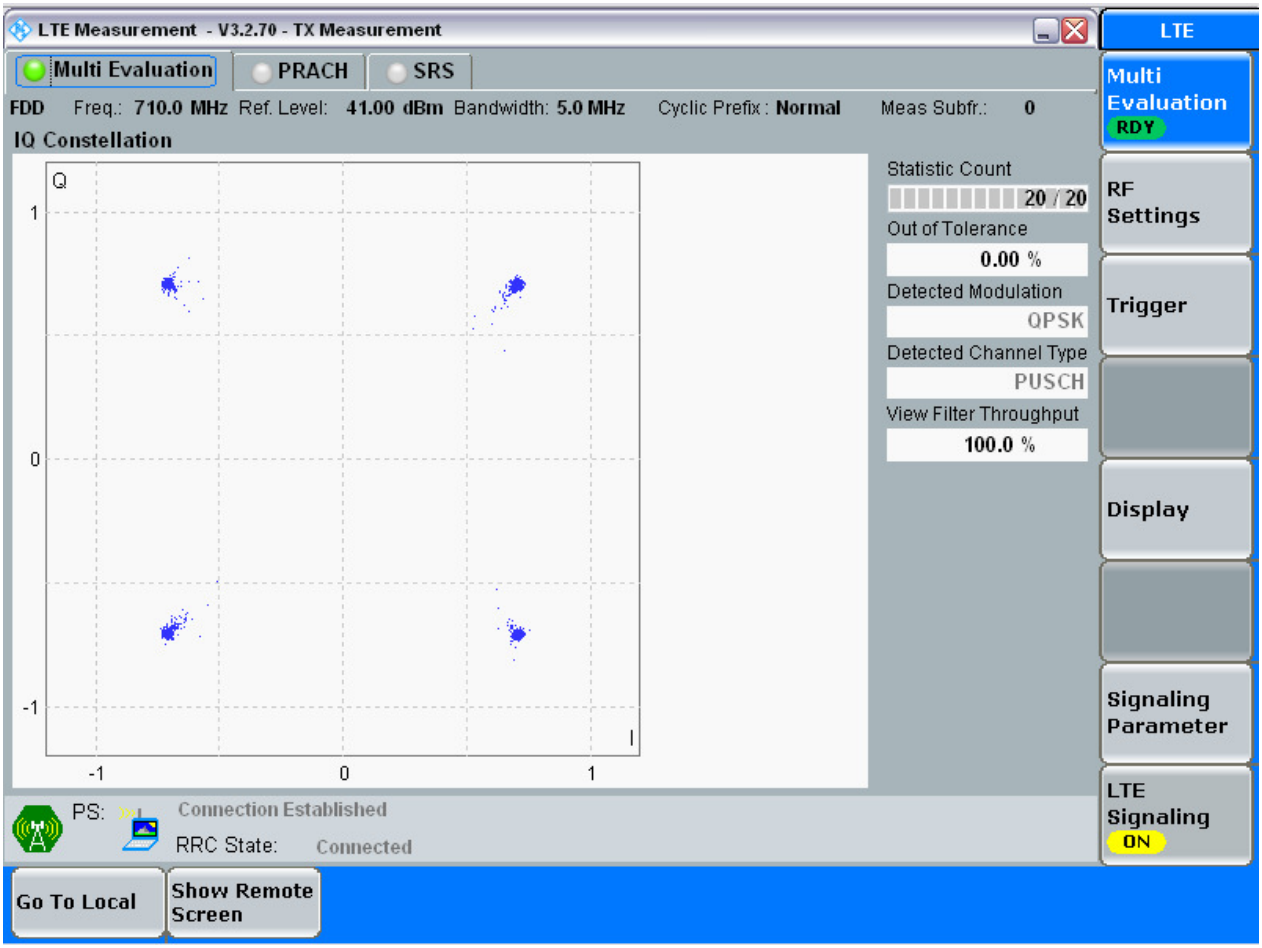
3.1.2 Test Band = BAND17

3.1.2.1 Test Mode = LTE/TM1

3.1.2.1.1 Test Bandwidth = 5

3.1.2.1.1.1 Test Channel = MCH

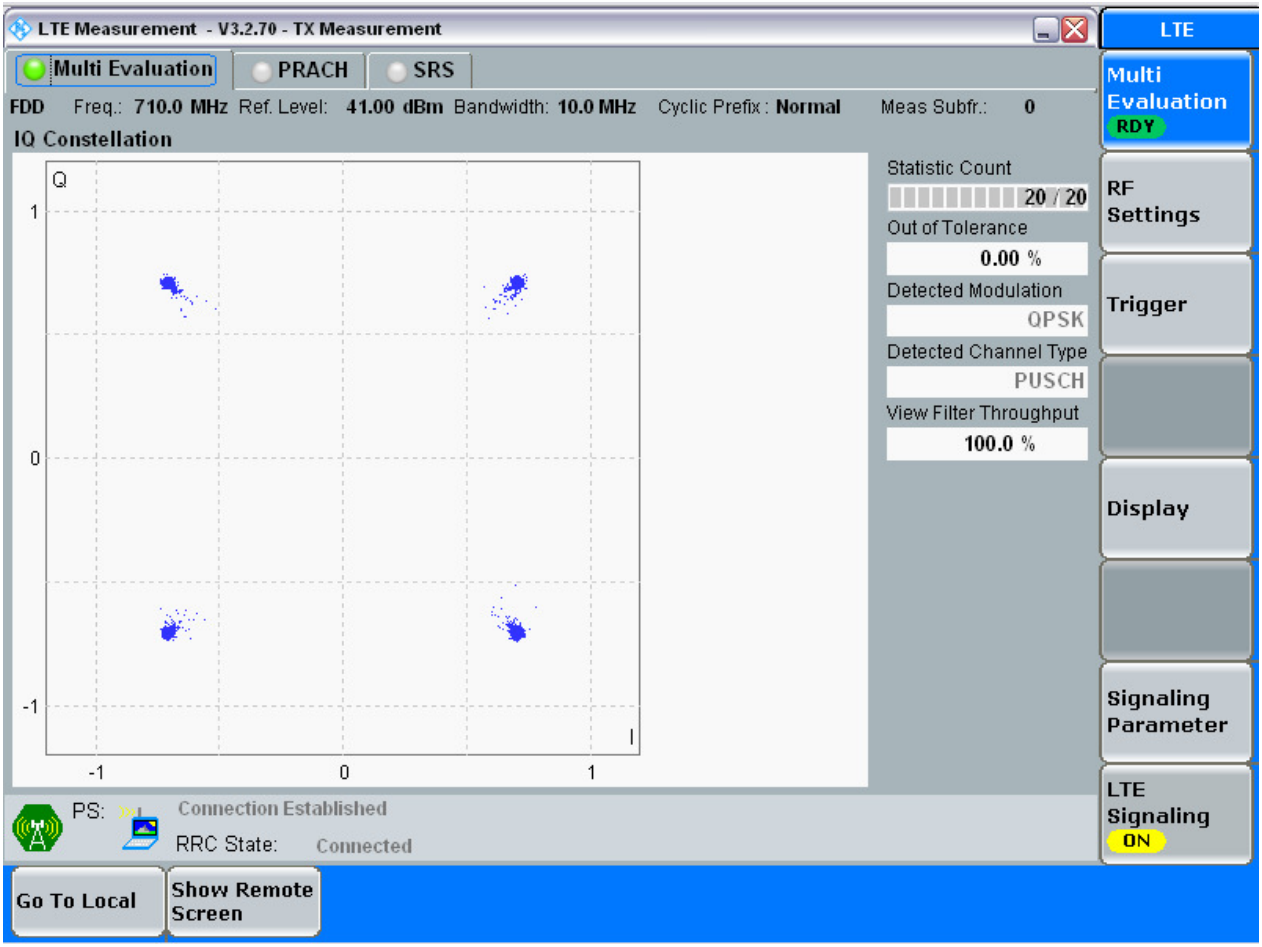
####### 3.1.2.1.1.1.1 Test RB = RB25#0



3.1.2.1.2 Test Bandwidth = 10

3.1.2.1.2.1 Test Channel = MCH

3.1.2.1.2.1.1 Test RB = RB50#0

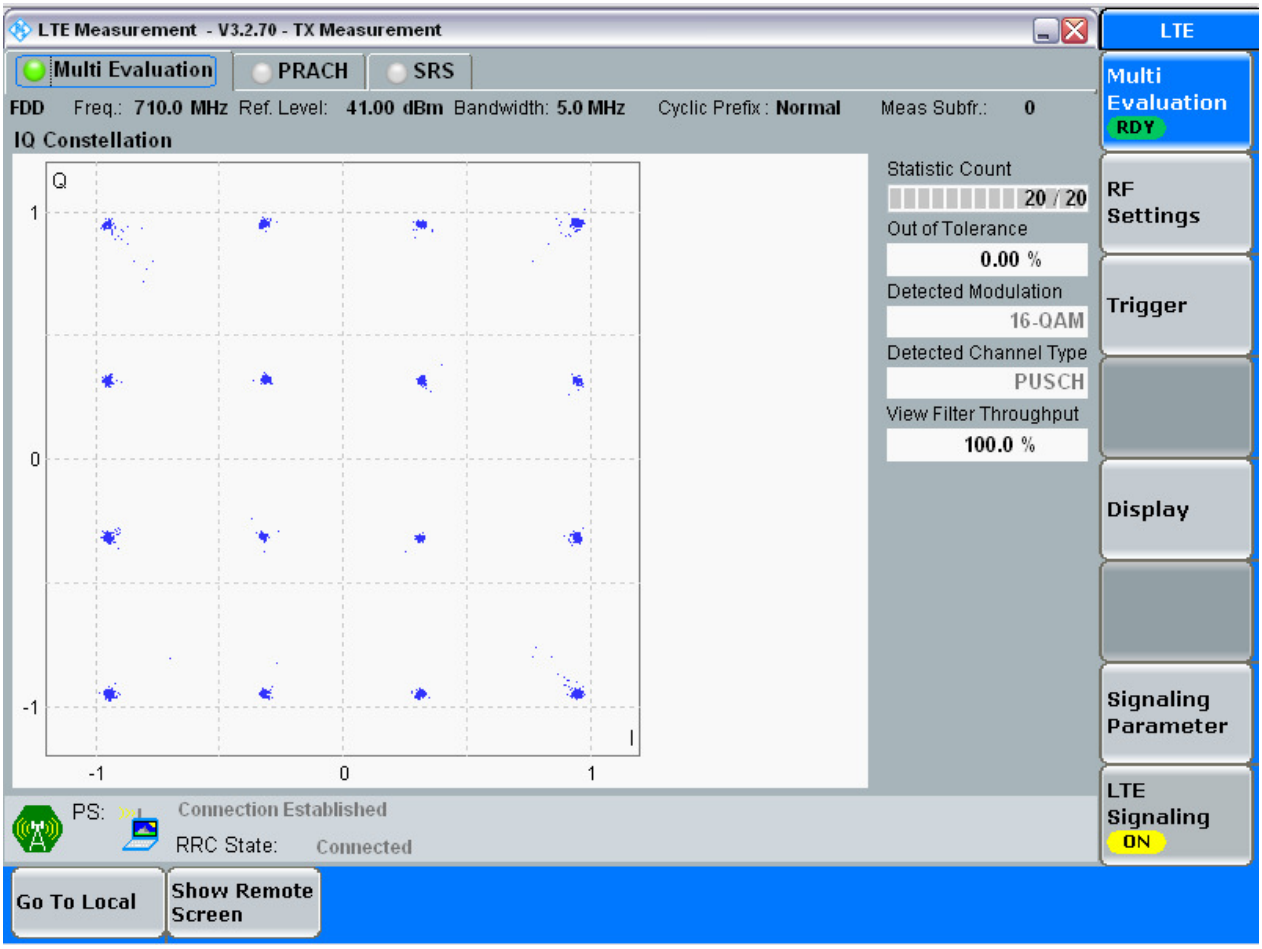


3.1.2.2 Test Mode = LTE/TM2

3.1.2.2.1 Test Bandwidth = 5

3.1.2.2.1.1 Test Channel = MCH

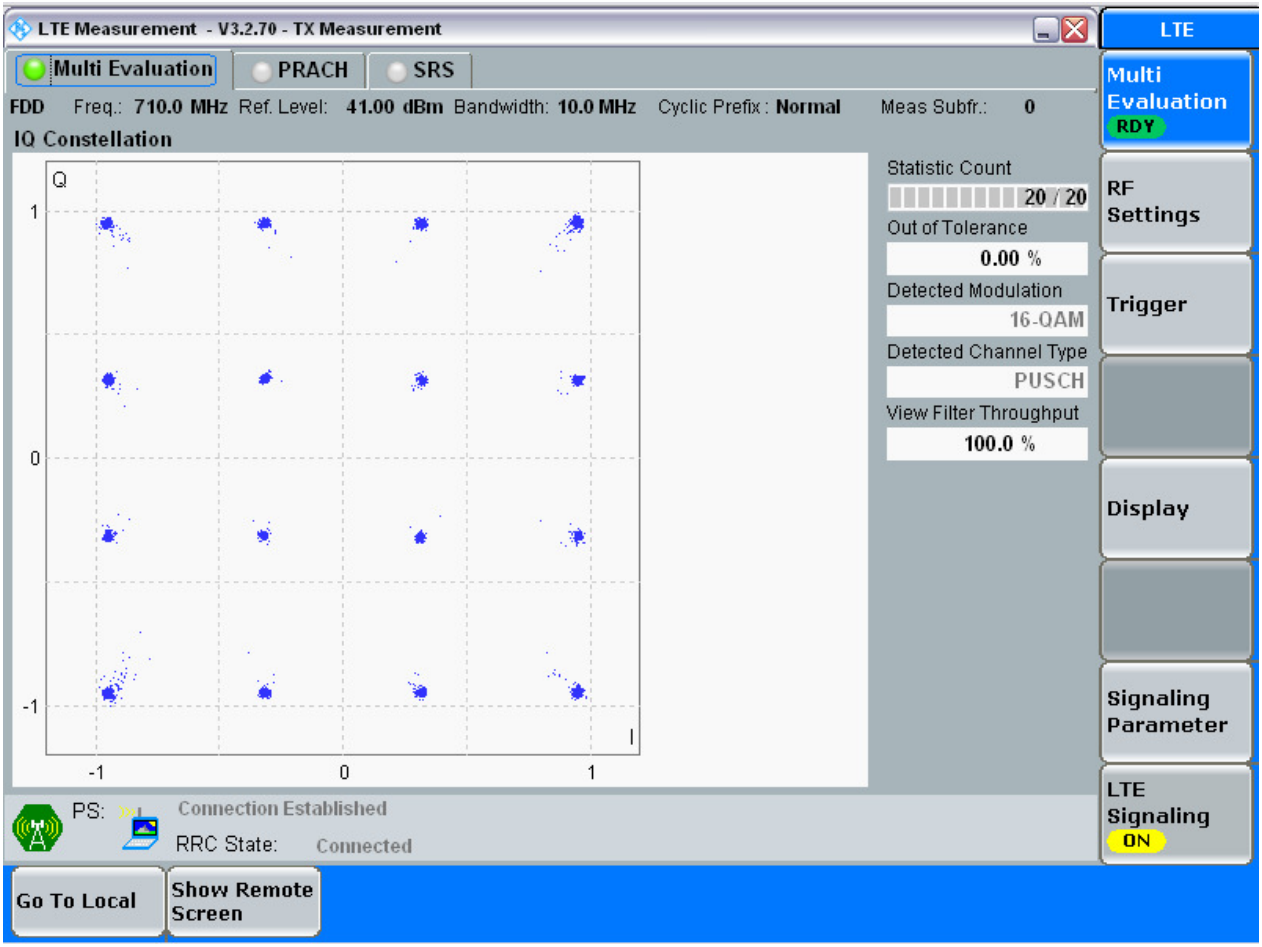
3.1.2.2.1.1.1 Test RB = RB25#0



3.1.2.2.2 Test Bandwidth = 10

3.1.2.2.2.1 Test Channel = MCH

3.1.2.2.2.1.1 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	5.03	Pass
			MCH	RB25#0	4.52	5.01	Pass
			HCH	RB25#0	4.51	4.98	Pass
		10	LCH	RB50#0	9.02	9.95	Pass
			MCH	RB50#0	9.01	9.99	Pass
			HCH	RB50#0	8.98	9.95	Pass
	LTE/TM2	5	LCH	RB25#0	4.52	5.01	Pass
			MCH	RB25#0	4.53	5.03	Pass
			HCH	RB25#0	4.52	5.05	Pass
		10	LCH	RB50#0	9.01	9.95	Pass
			MCH	RB50#0	9.01	9.99	Pass
			HCH	RB50#0	9.01	9.94	Pass

Part II - Test Plots

4.1 For LTE

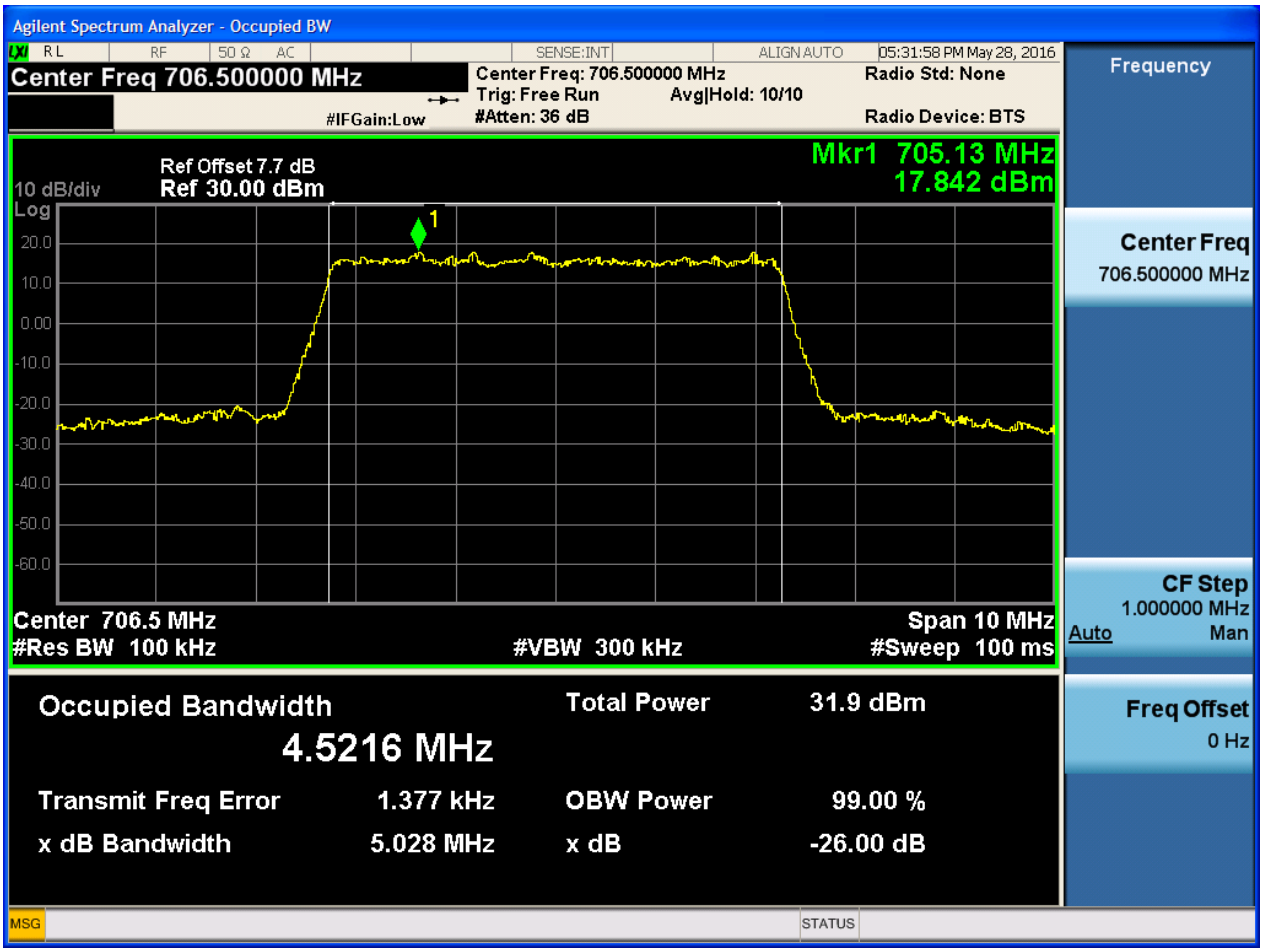
4.1.1 Test Band = BAND17

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

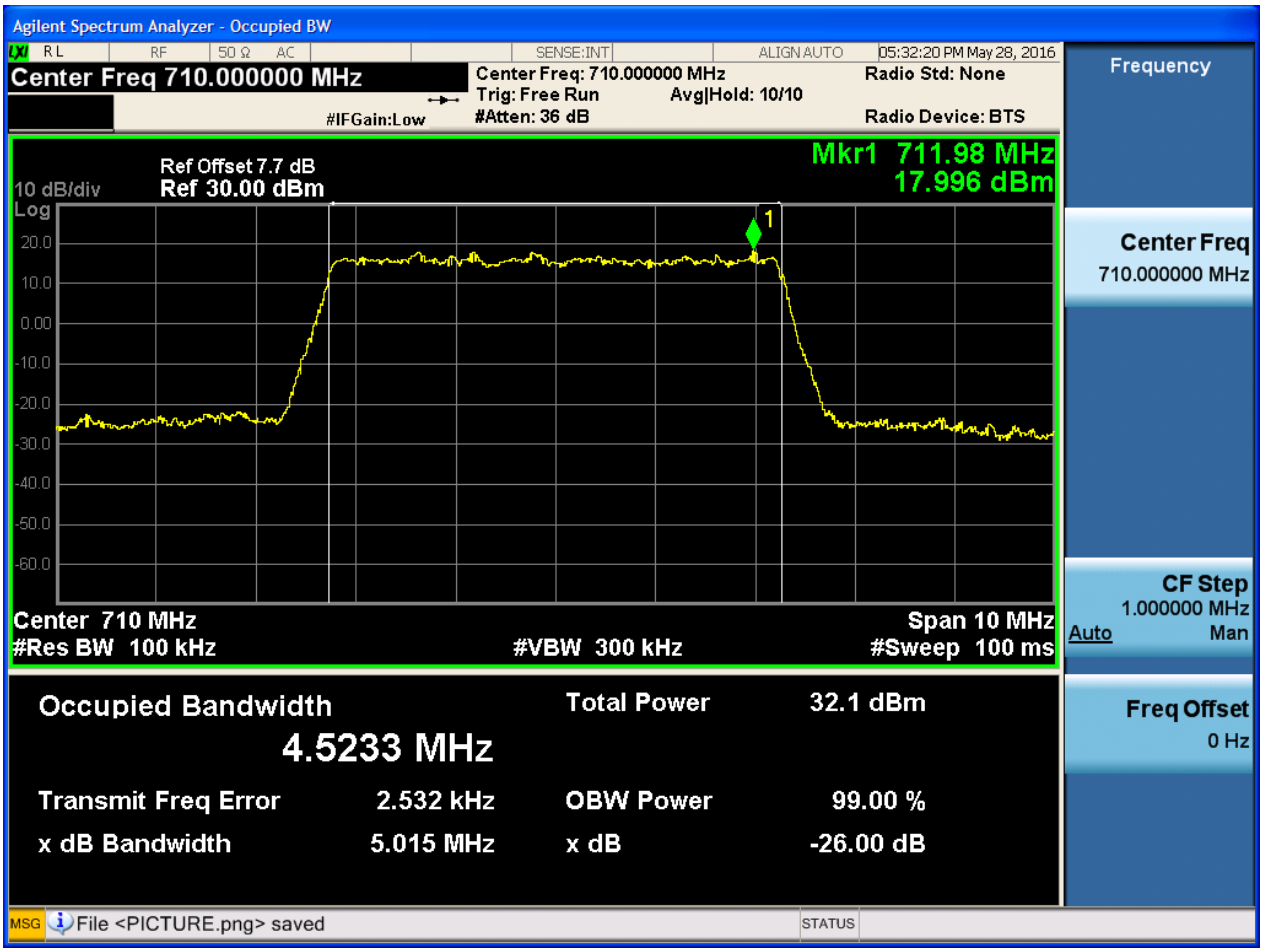
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0



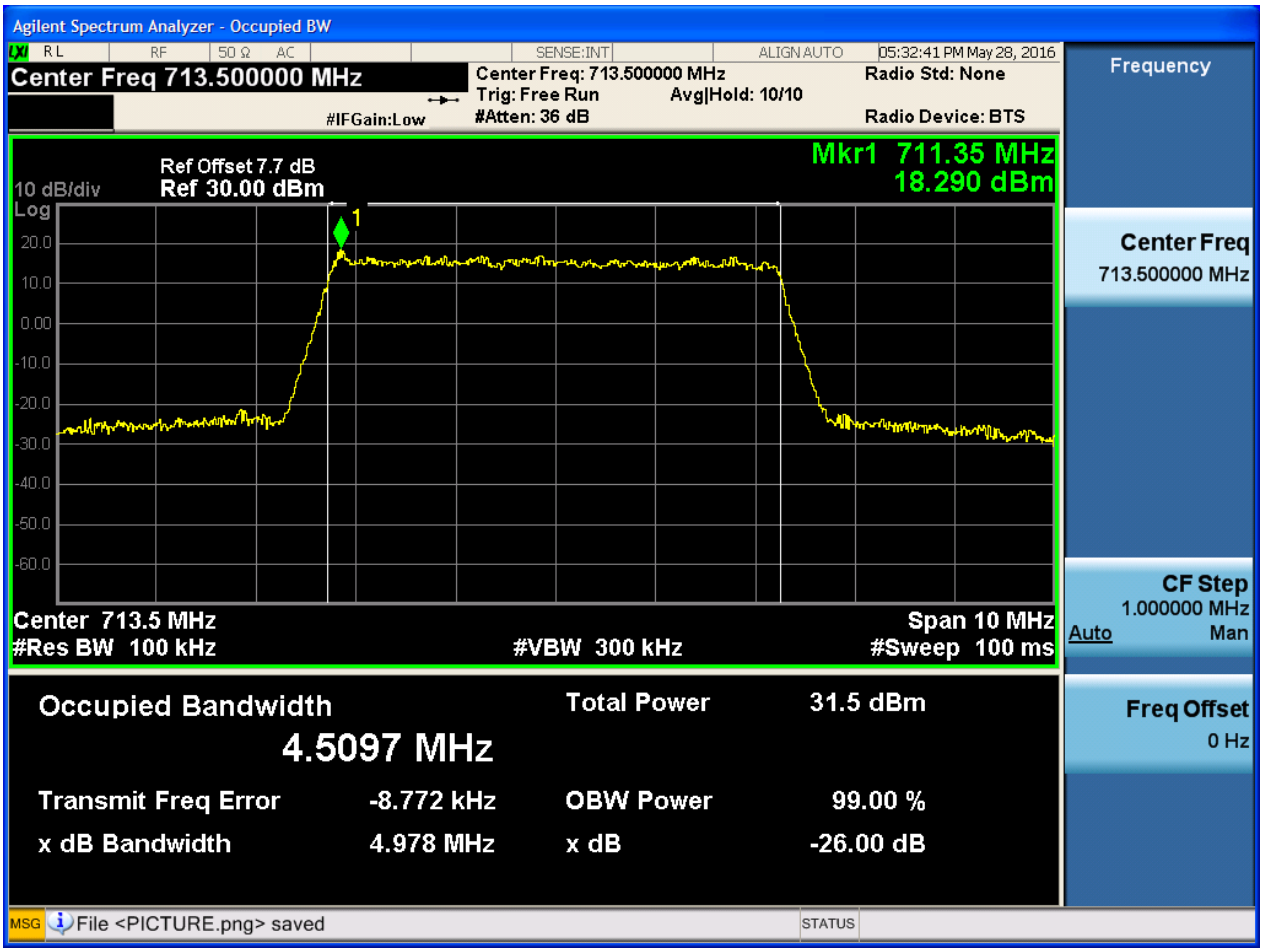
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB25#0



4.1.1.1.1.3 Test Channel = HCH

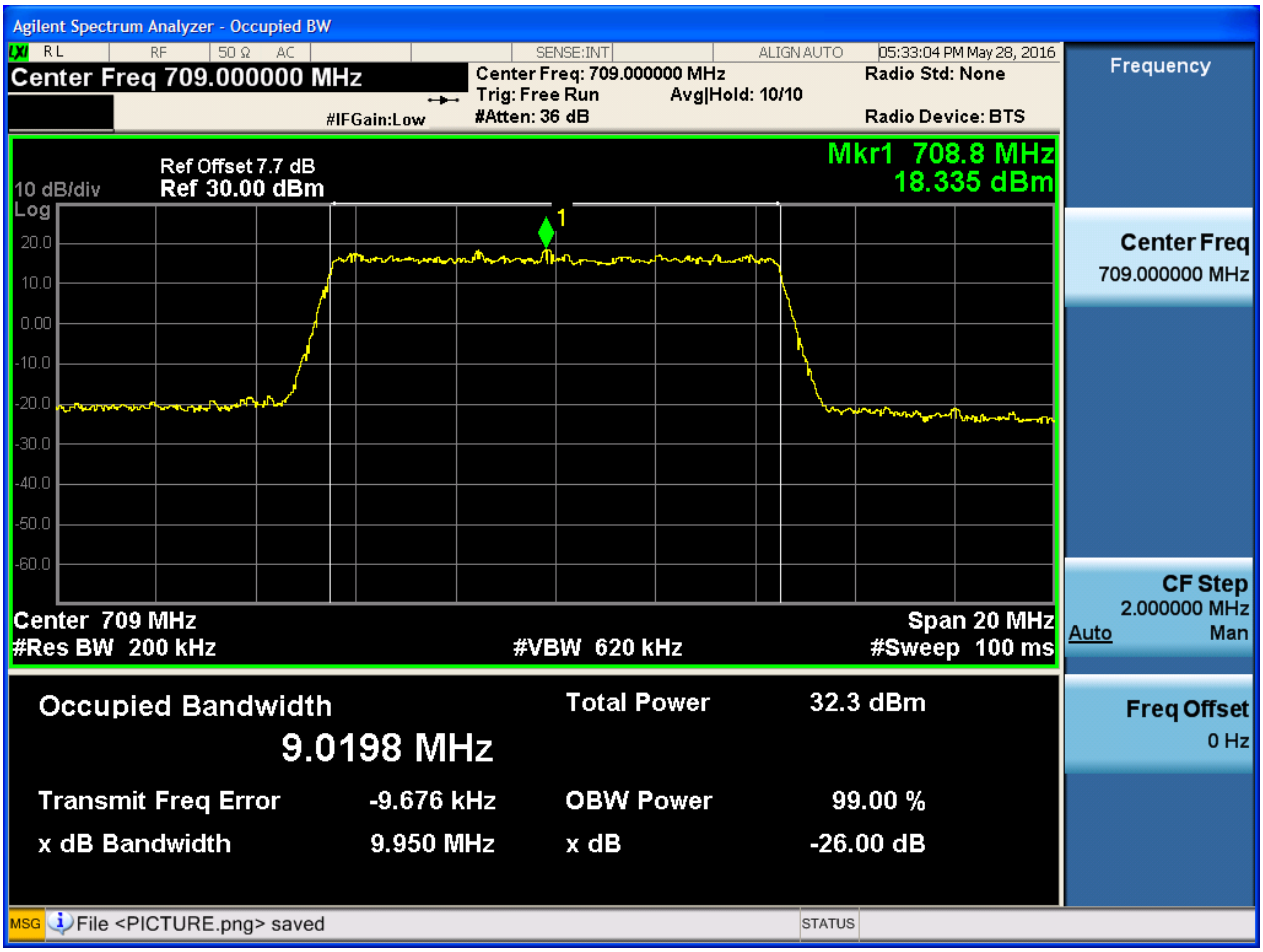
4.1.1.1.1.3.1 Test RB = RB25#0



4.1.1.1.2 Test Bandwidth = 10

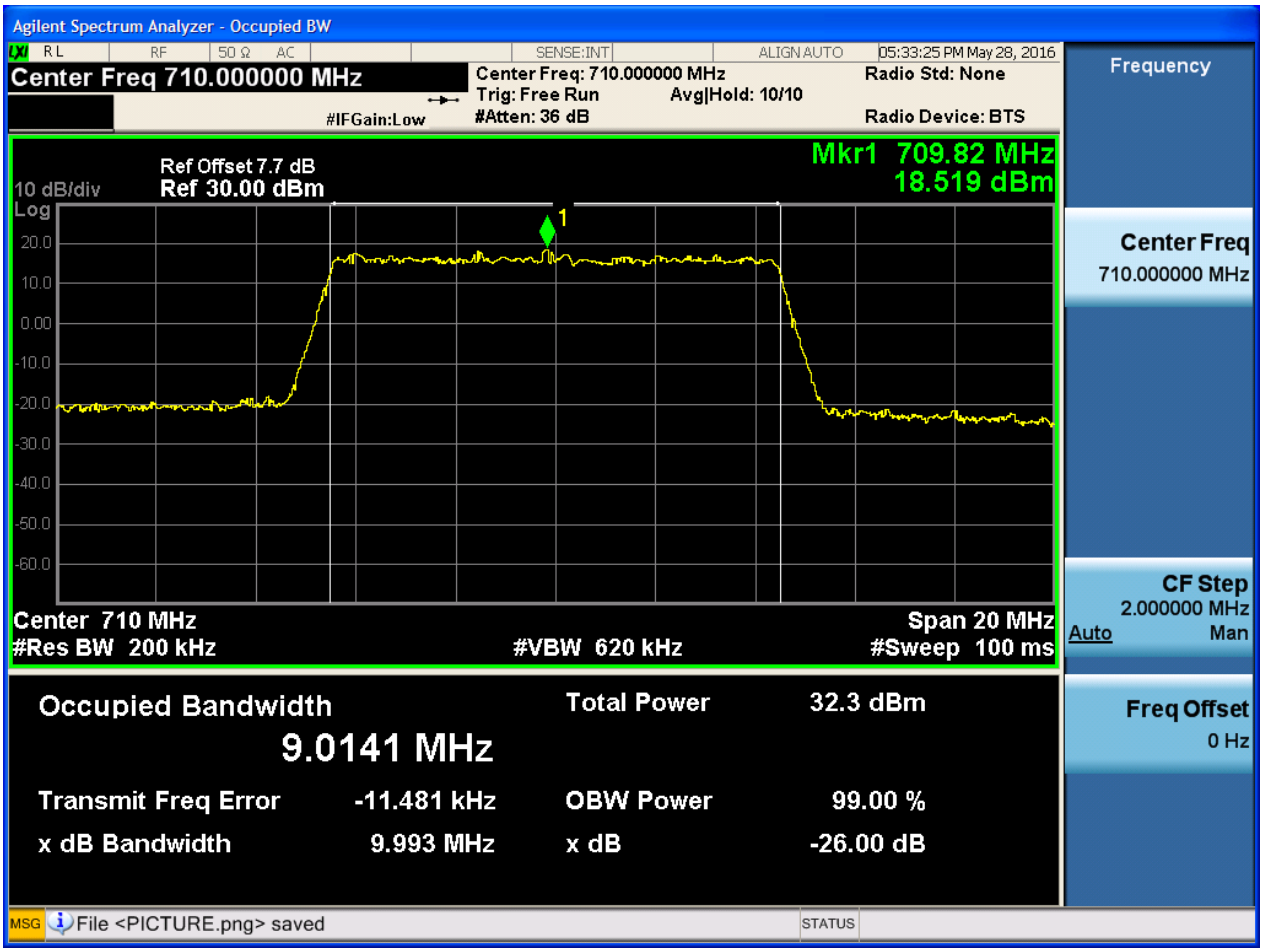
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0



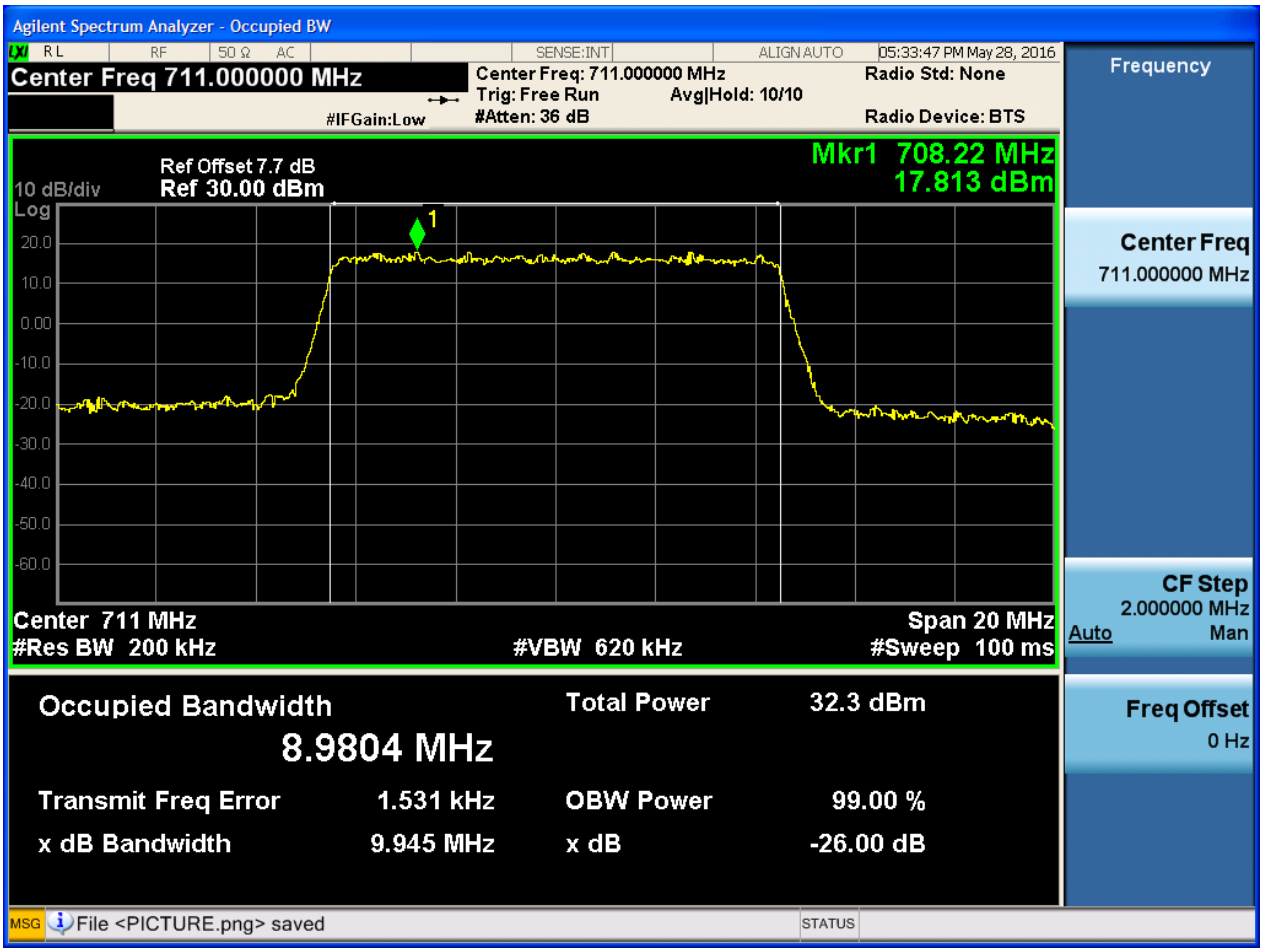
4.1.1.1.2.2 Test Channel = MCH

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

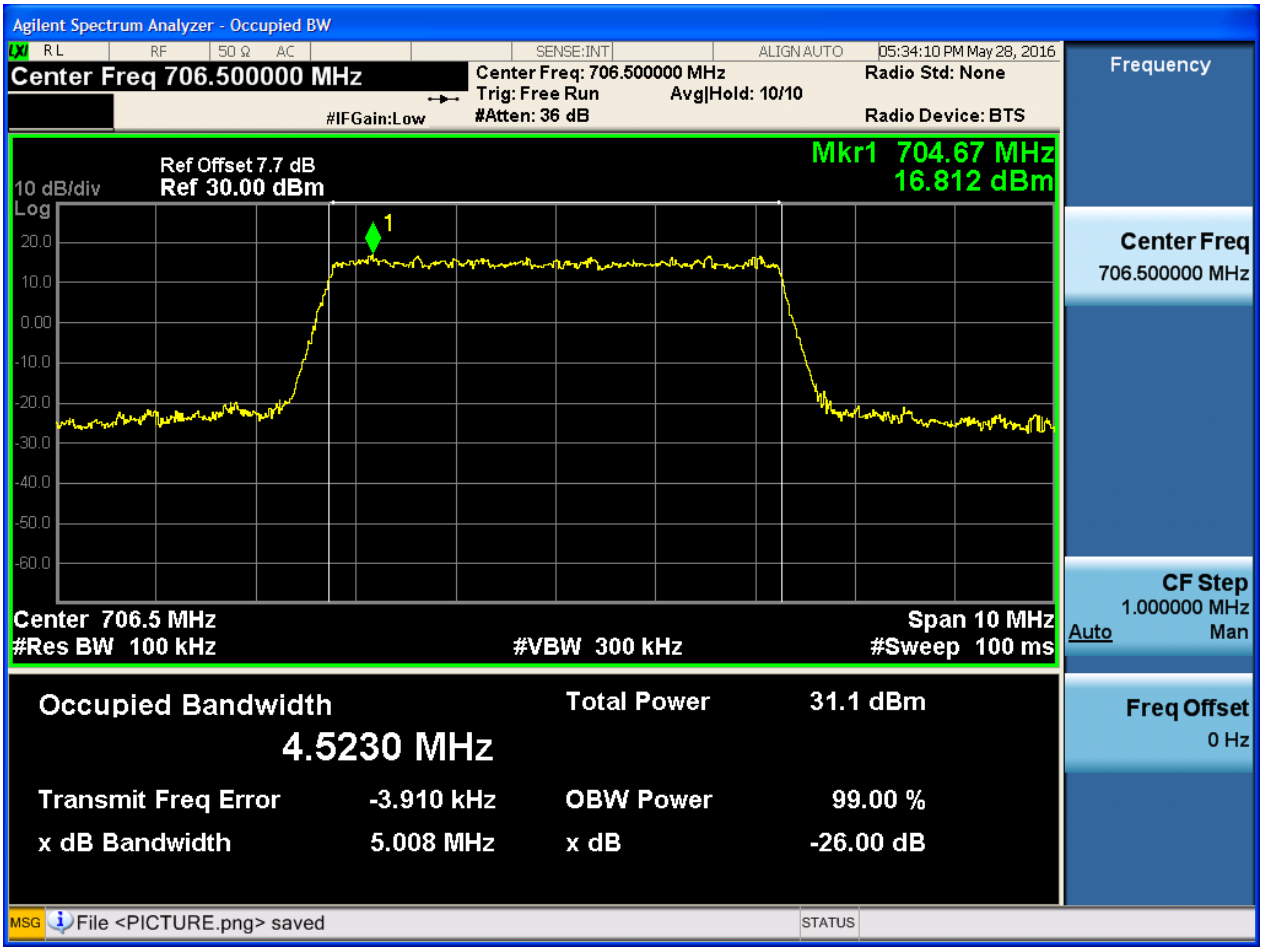


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

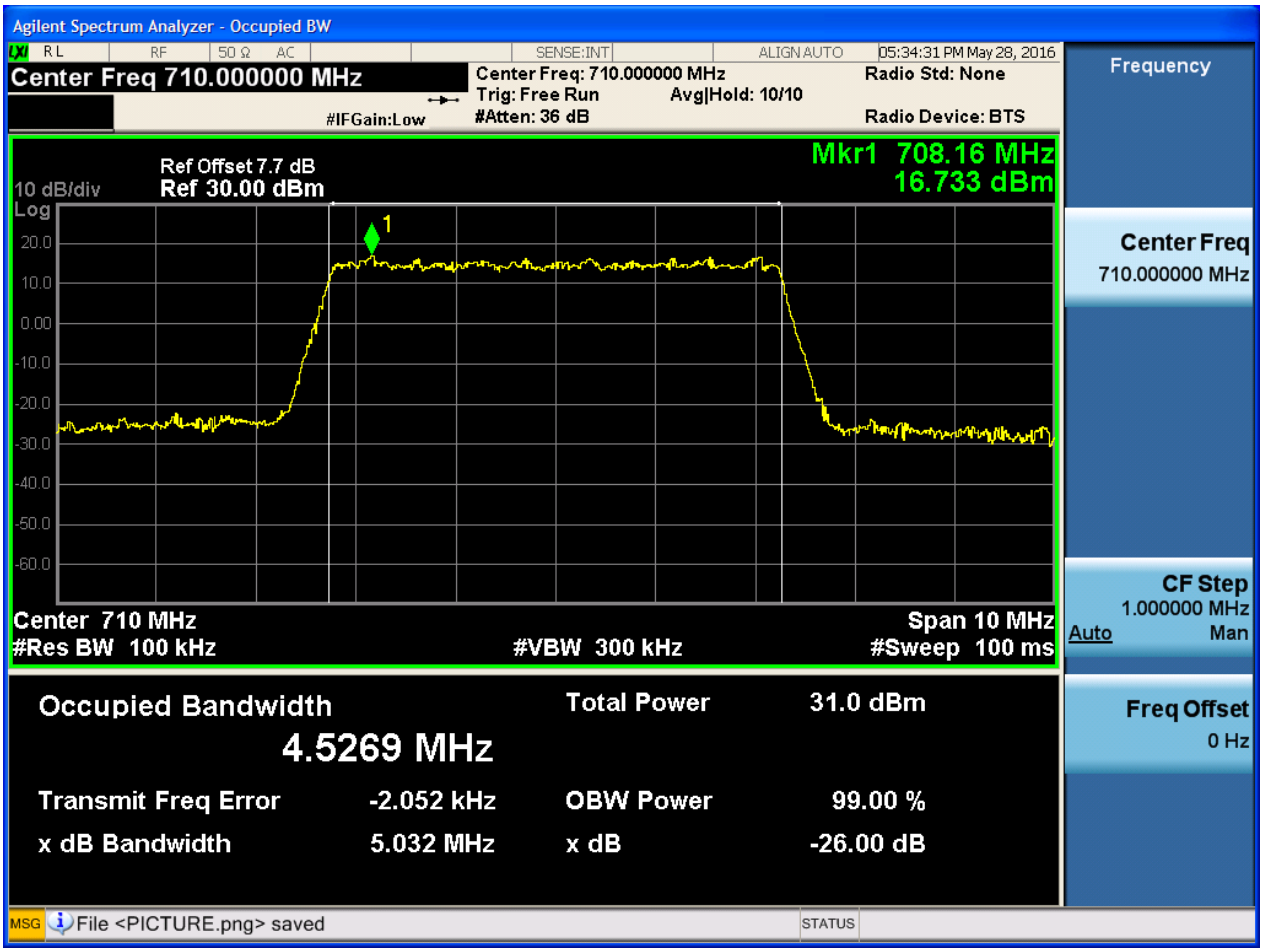
4.1.1.2.1.1 Test Channel = LCH

####### 4.1.1.2.1.1.1 Test RB = RB25#0



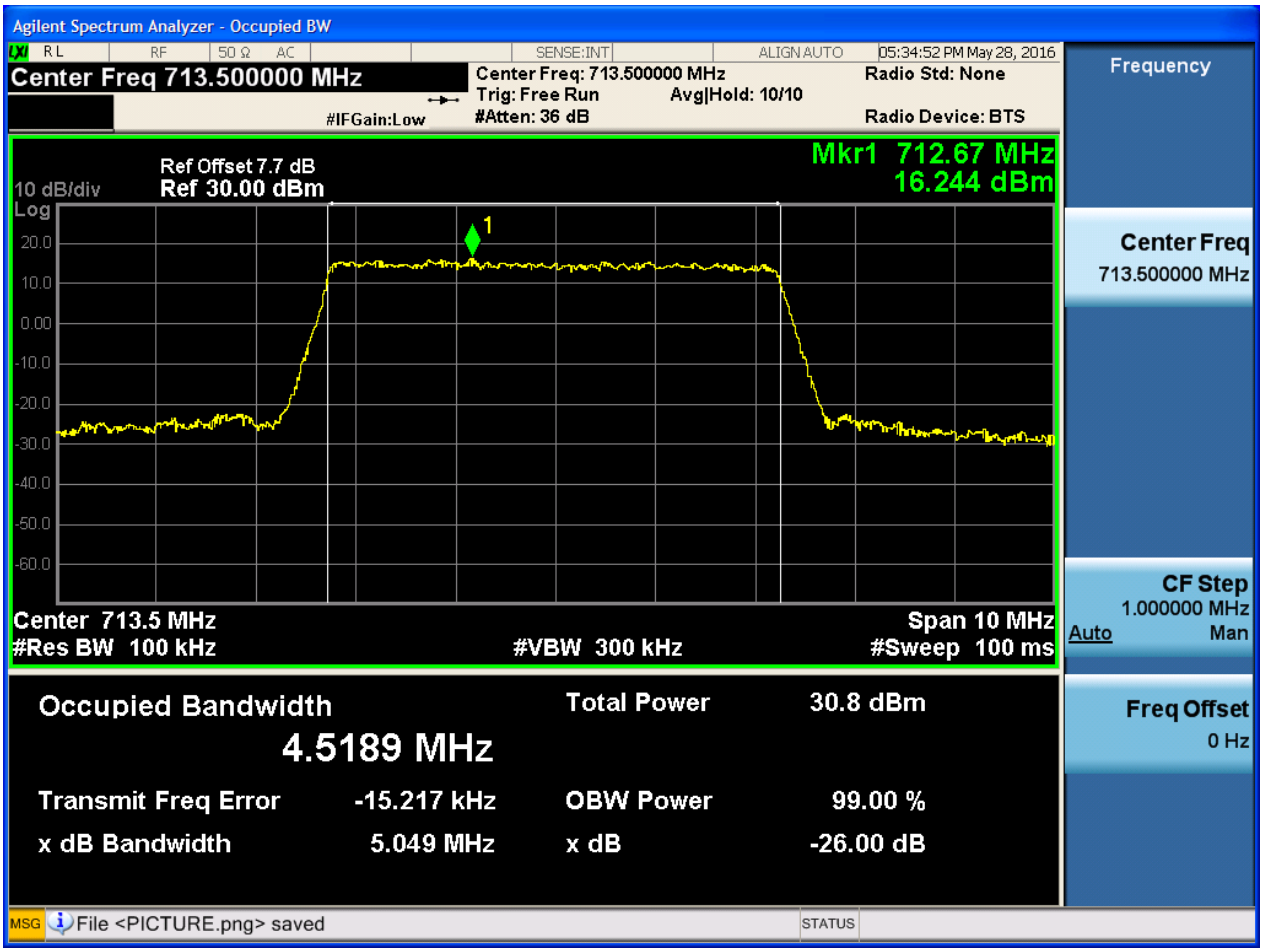
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB25#0



4.1.1.2.1.3 Test Channel = HCH

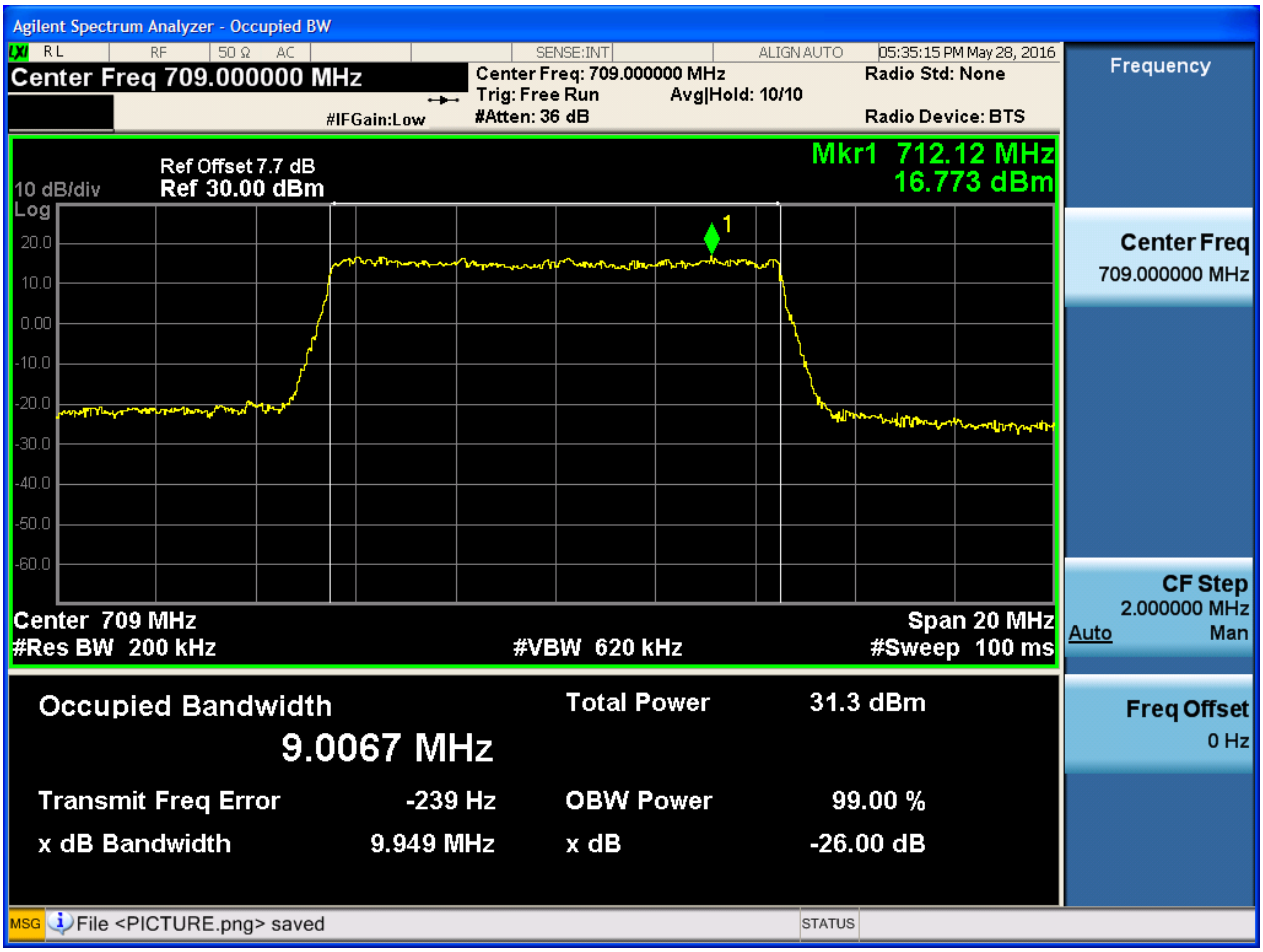
4.1.1.2.1.3.1 Test RB = RB25#0



4.1.1.2.2 Test Bandwidth = 10

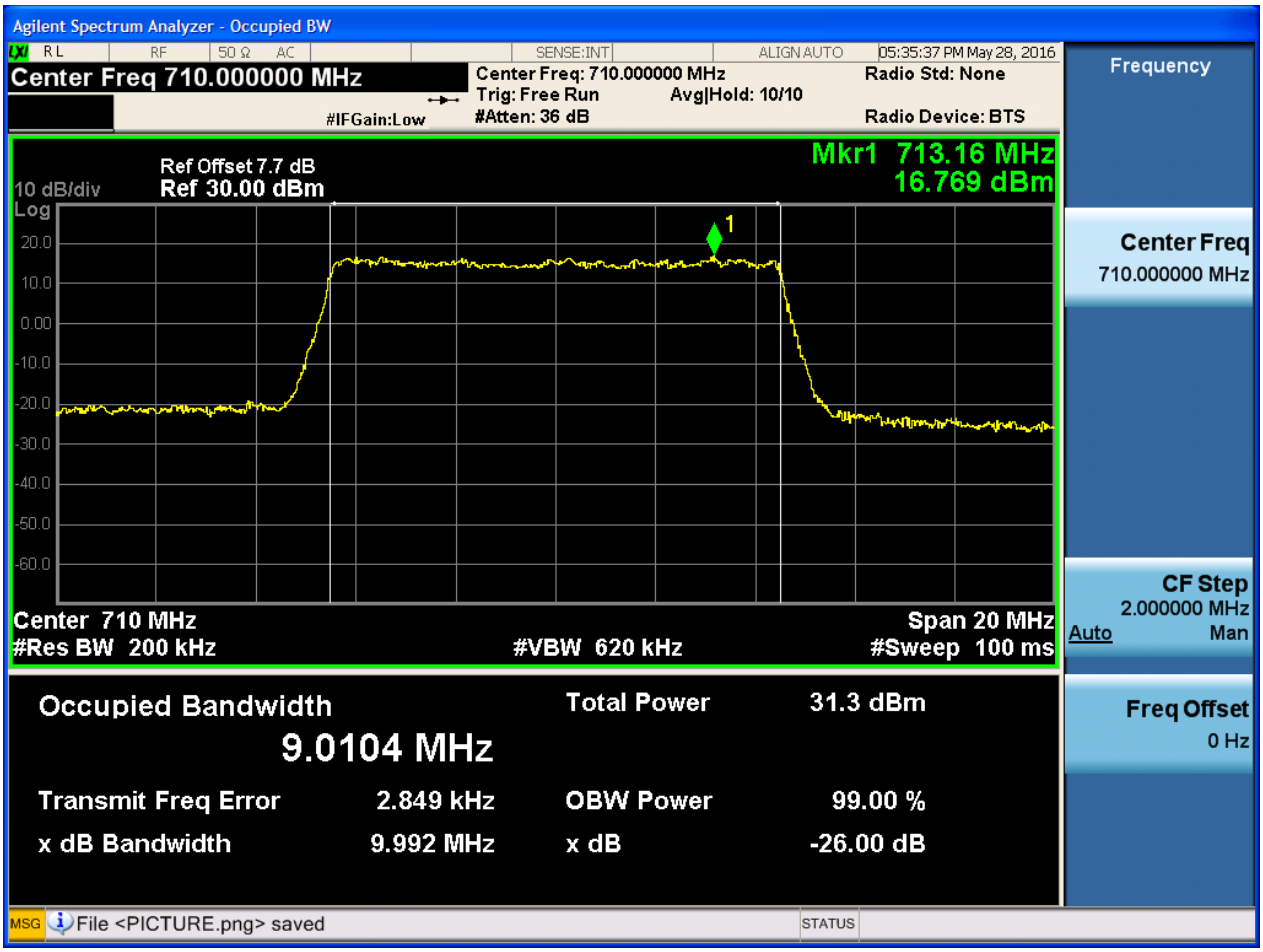
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0



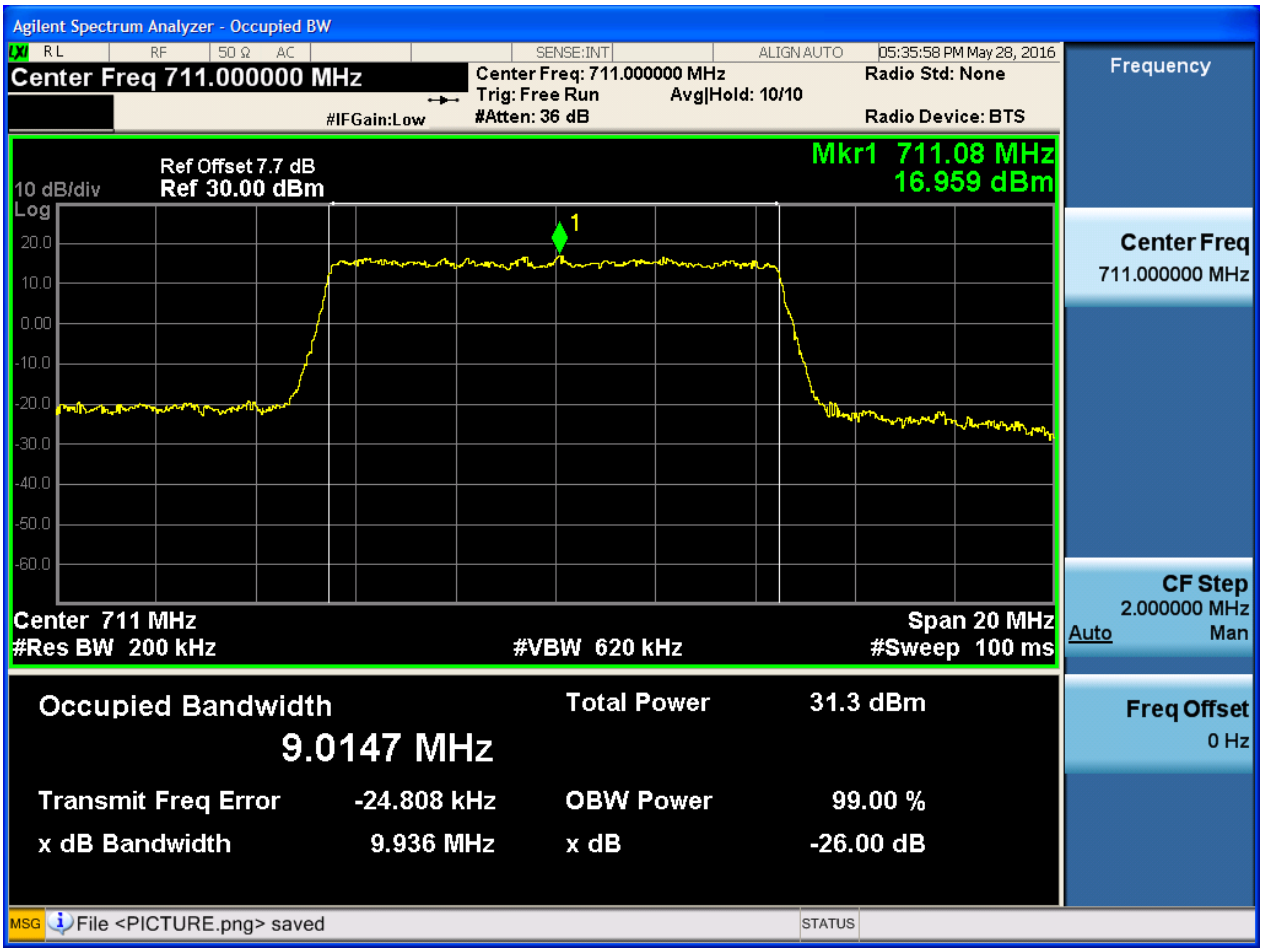
4.1.1.2.2.2 Test Channel = MCH

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

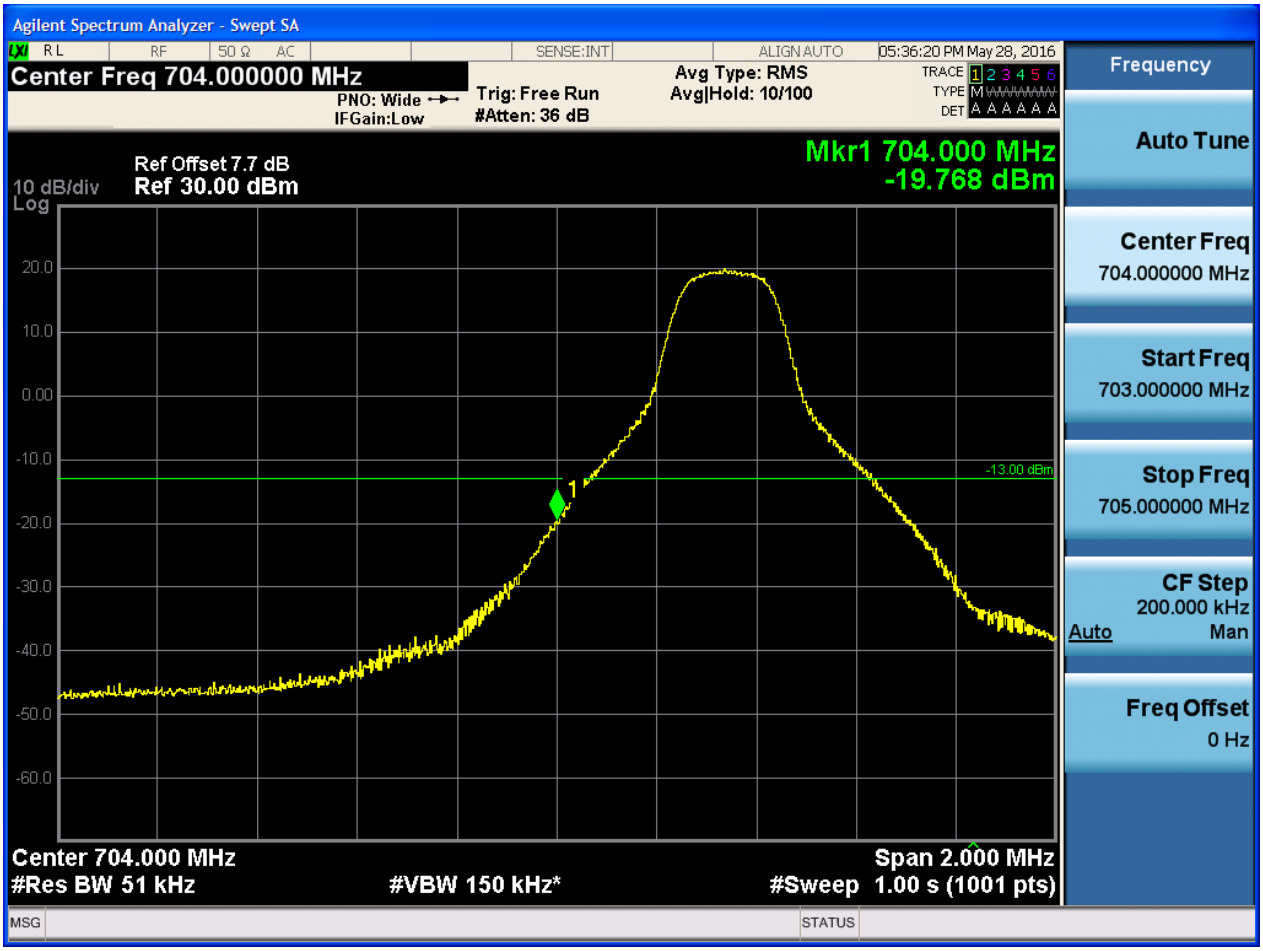
5.1.1 Test Band = BAND17

5.1.1.1 Test Mode = LTE/TM1

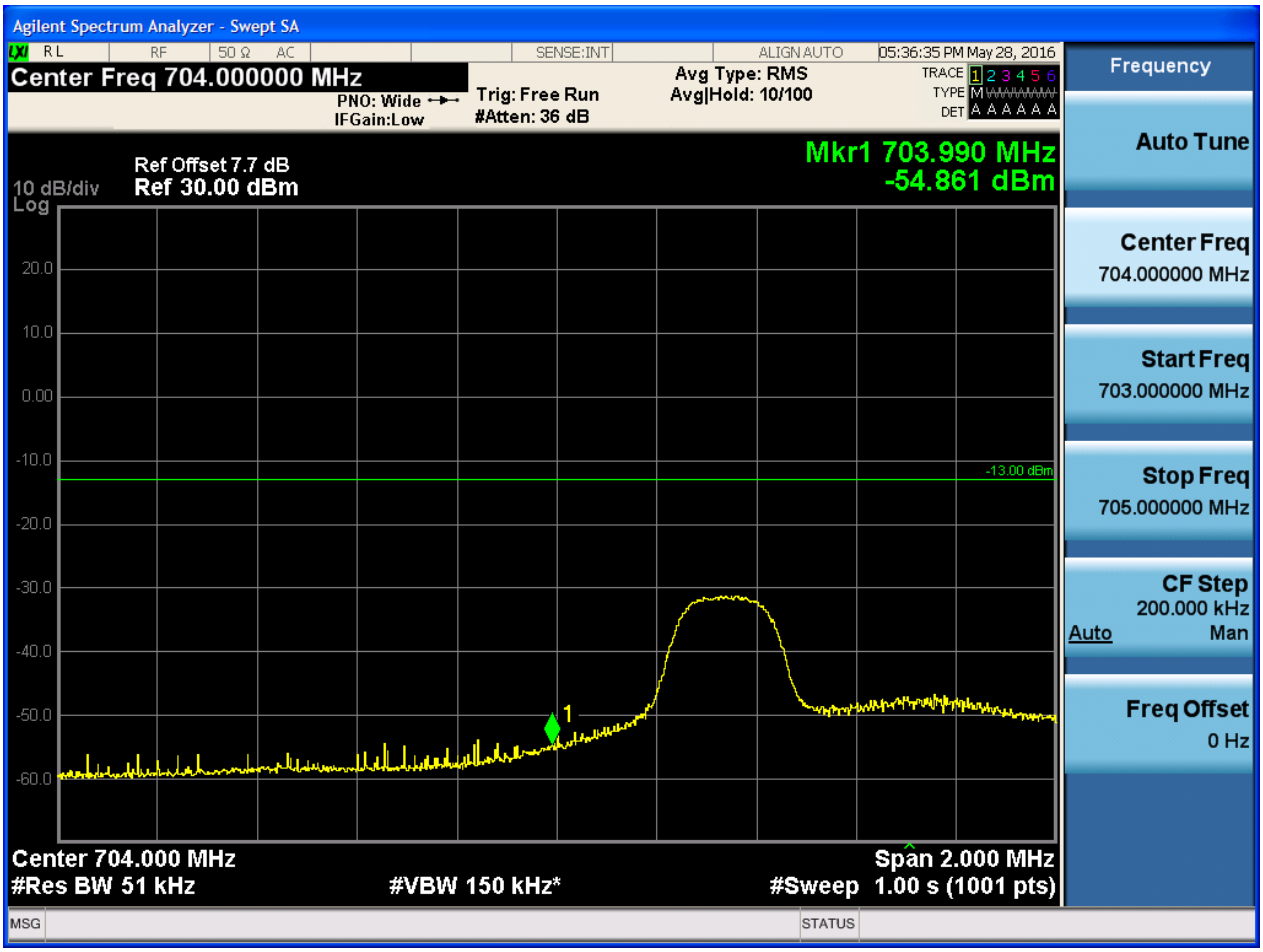
5.1.1.1.1 Test Bandwidth = 5

5.1.1.1.1.1 Test Channel = LCH

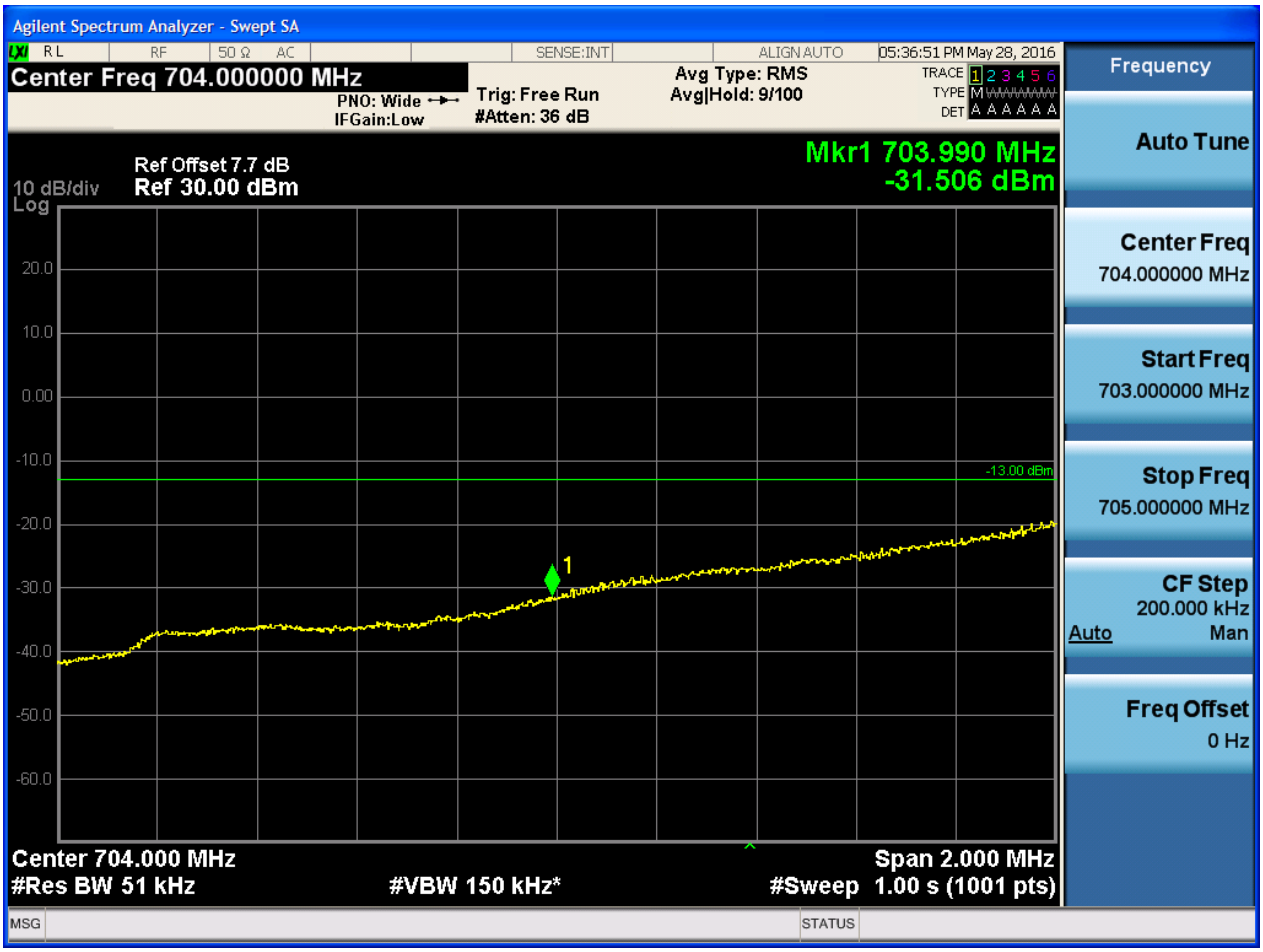
5.1.1.1.1.1.1 Test RB = RB1#0



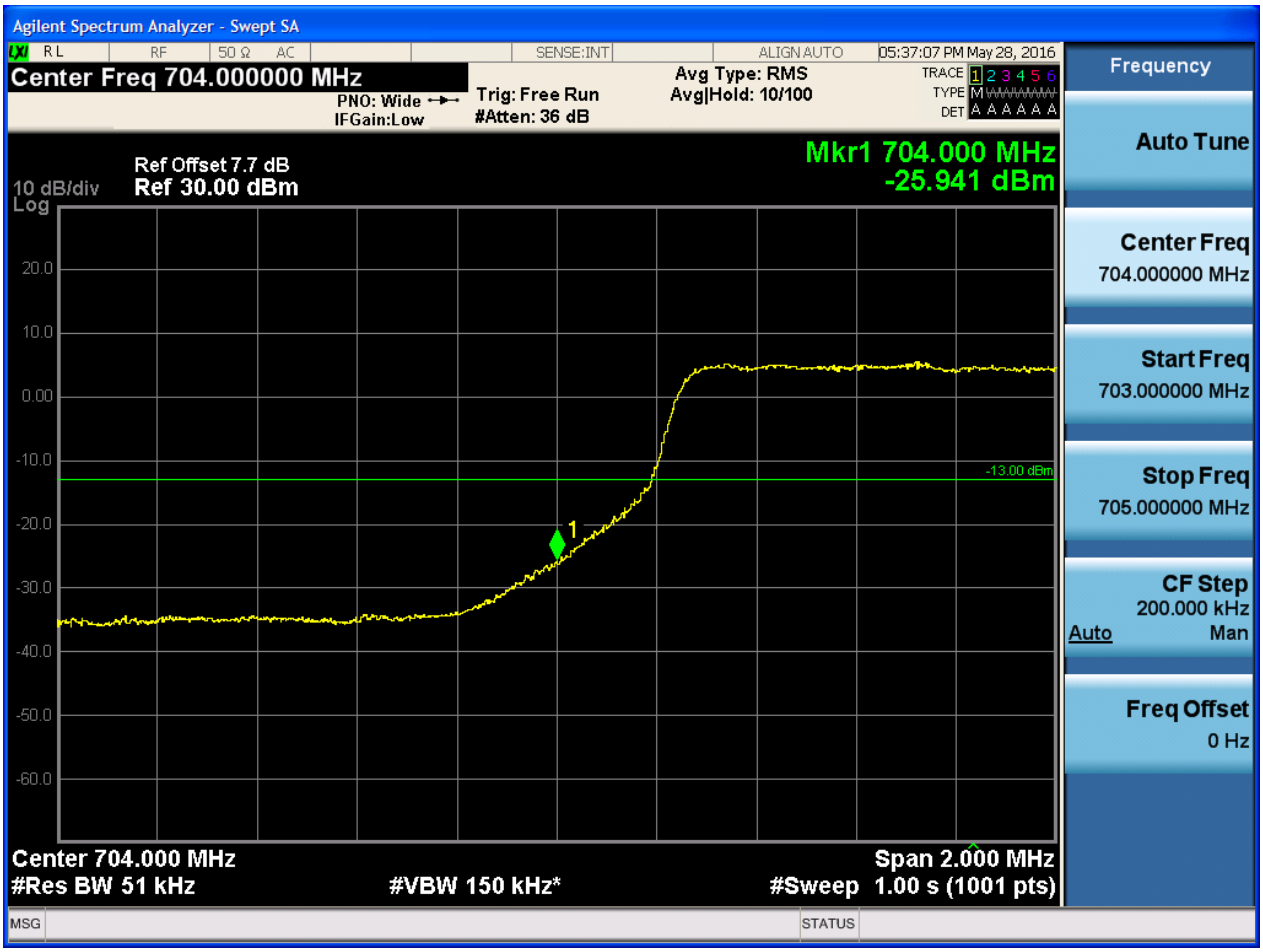
5.1.1.1.1.1.2 Test RB = RB1#24



5.1.1.1.1.1.3 Test RB = RB12#6

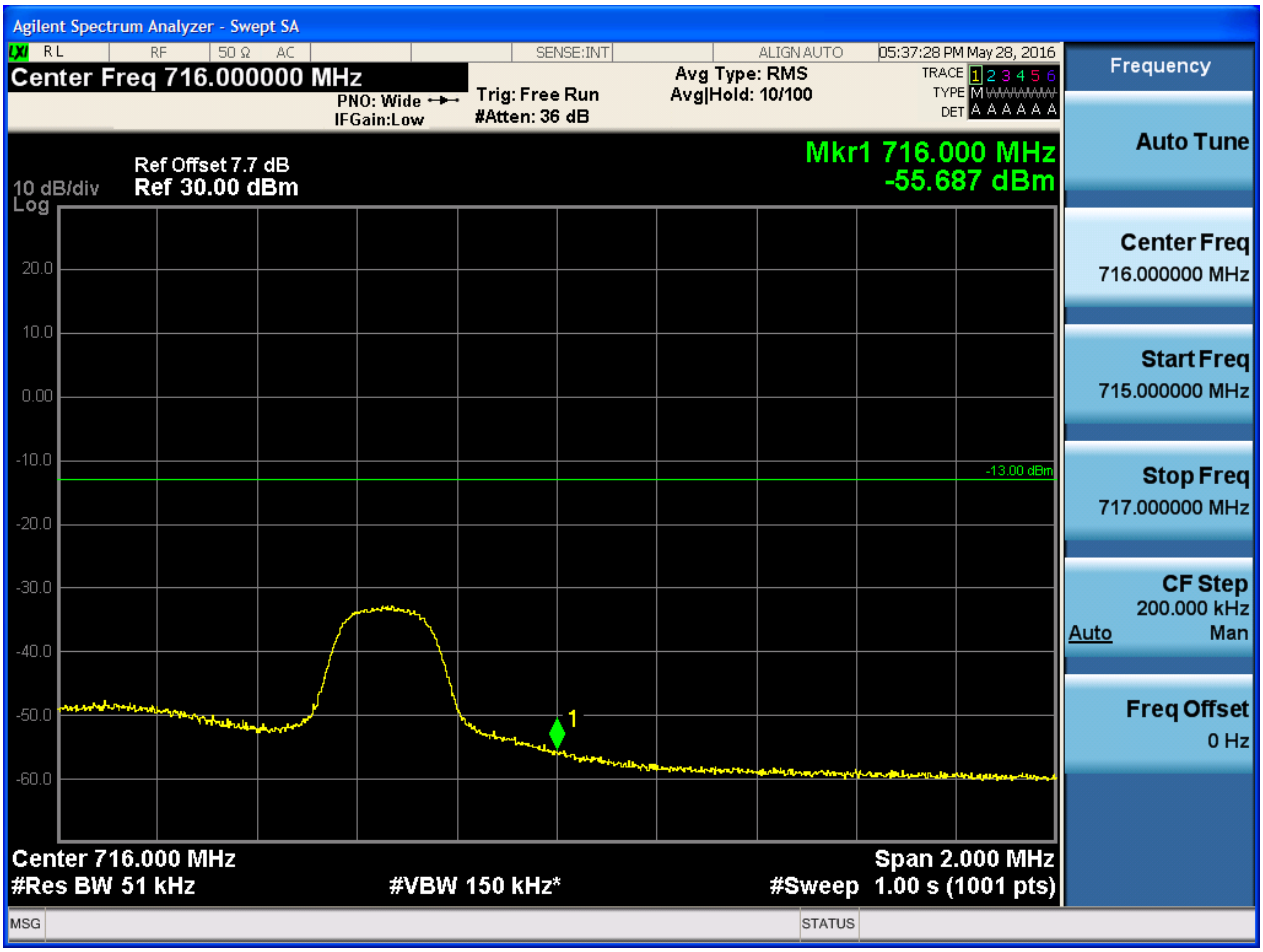


5.1.1.1.1.1.4 Test RB = RB25#0

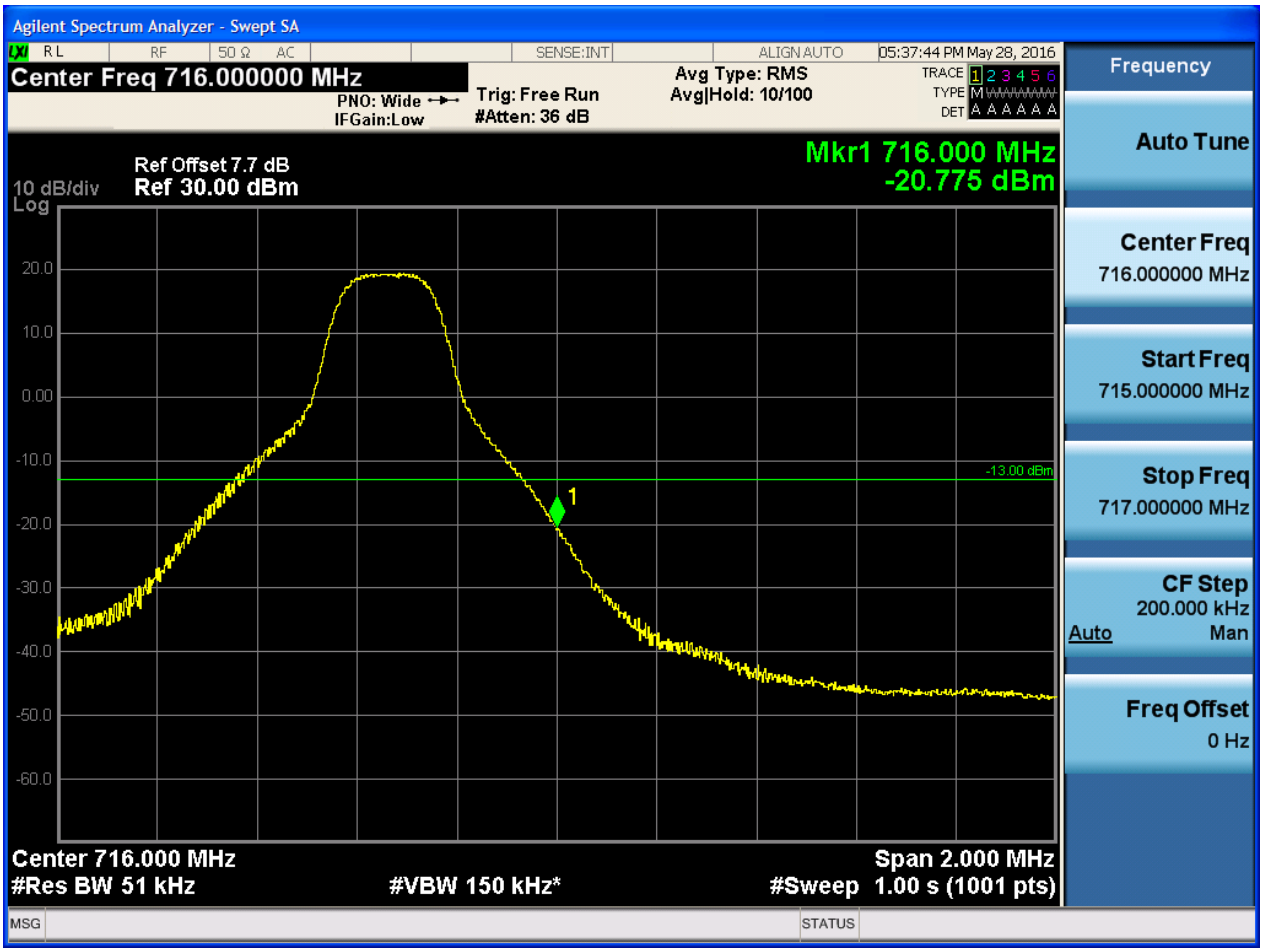


5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



5.1.1.1.1.2.2 Test RB = RB1#24



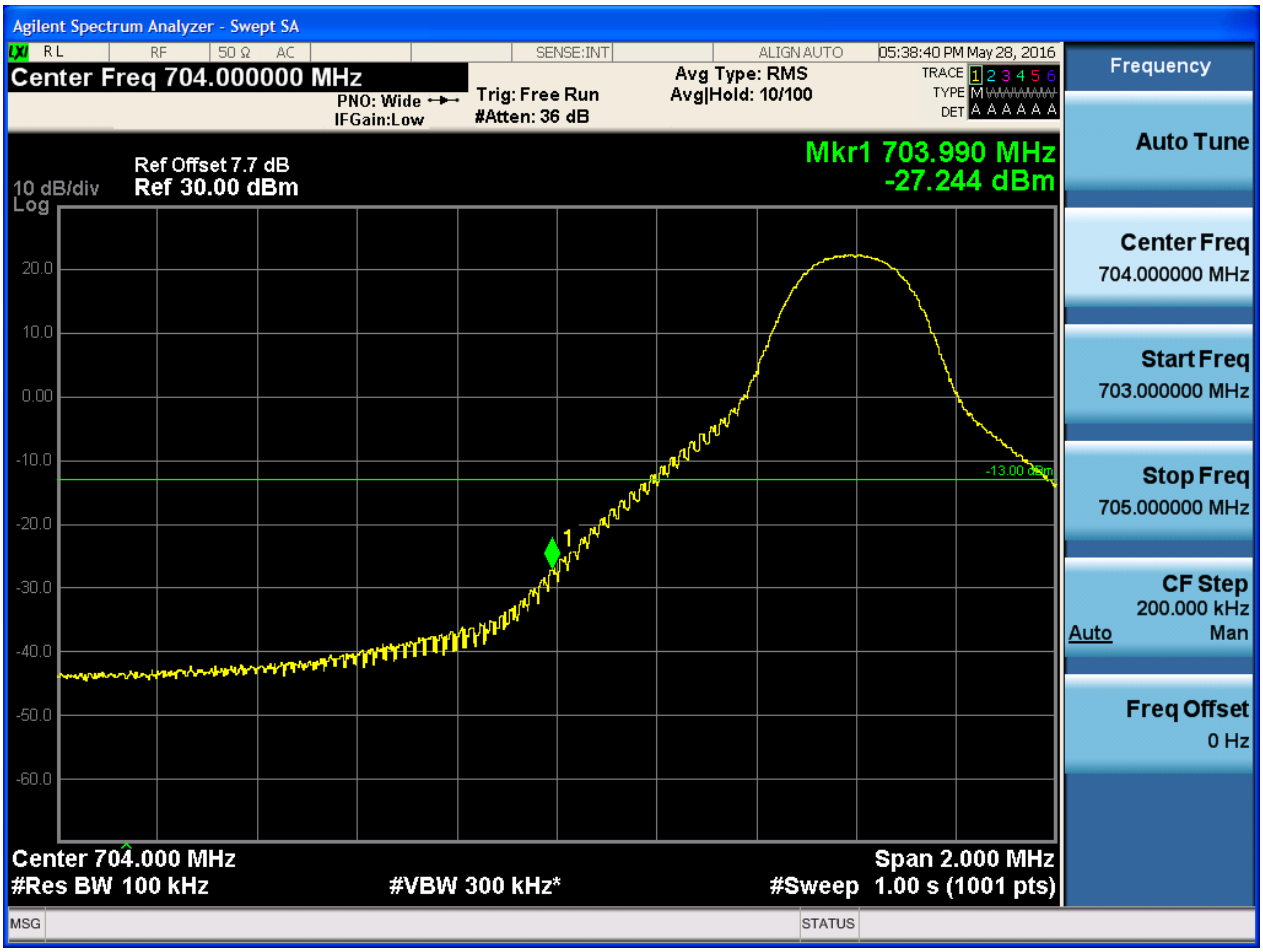
5.1.1.1.1.2.3 Test RB = RB12#6

5.1.1.1.1.2.4 Test RB = RB25#0

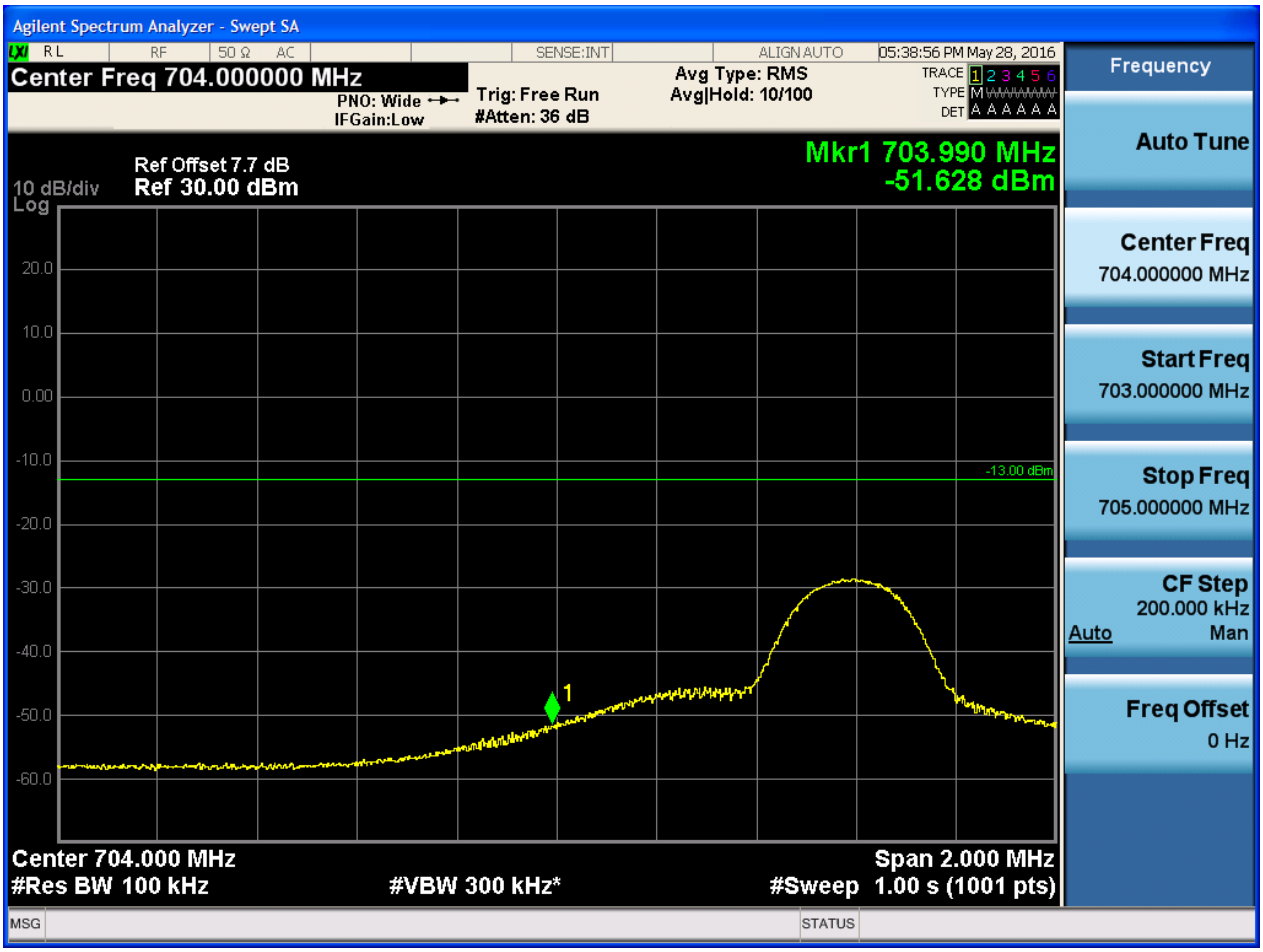
5.1.1.1.2 Test Bandwidth = 10

5.1.1.1.2.1 Test Channel = LCH

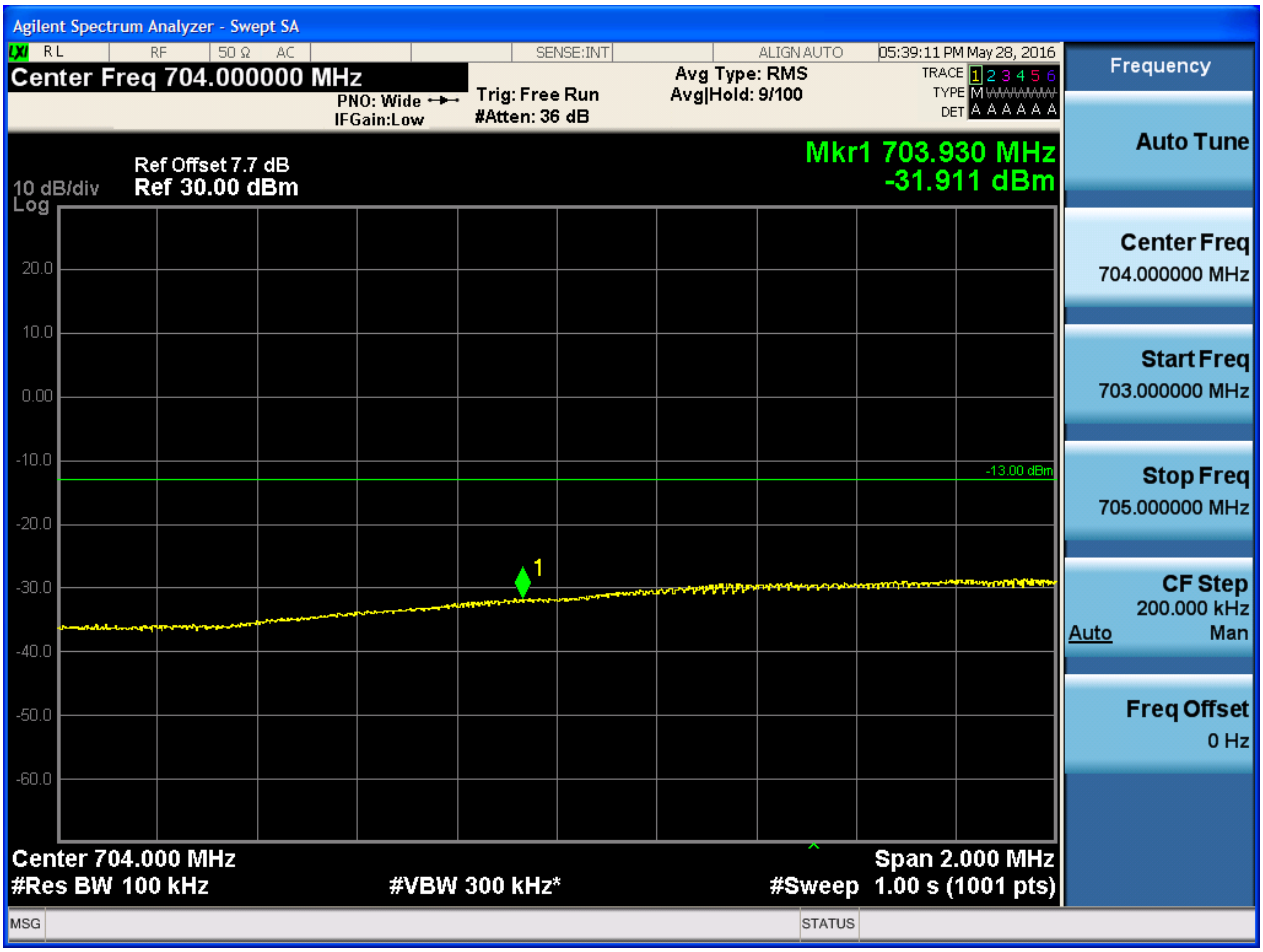
5.1.1.1.2.1.1 Test RB = RB1#0



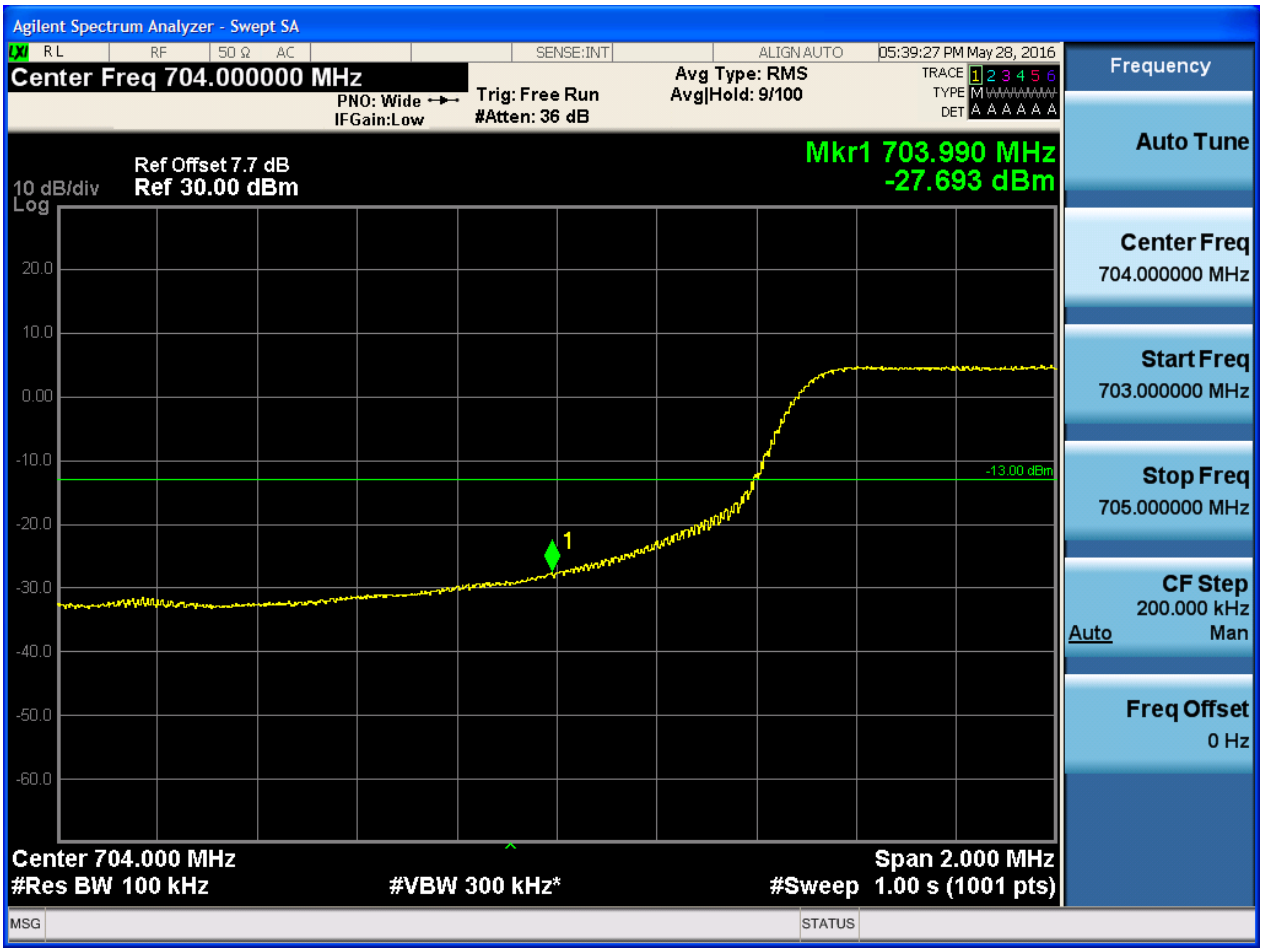
5.1.1.1.2.1.2 Test RB = RB1#49



5.1.1.1.2.1.3 Test RB = RB25#13

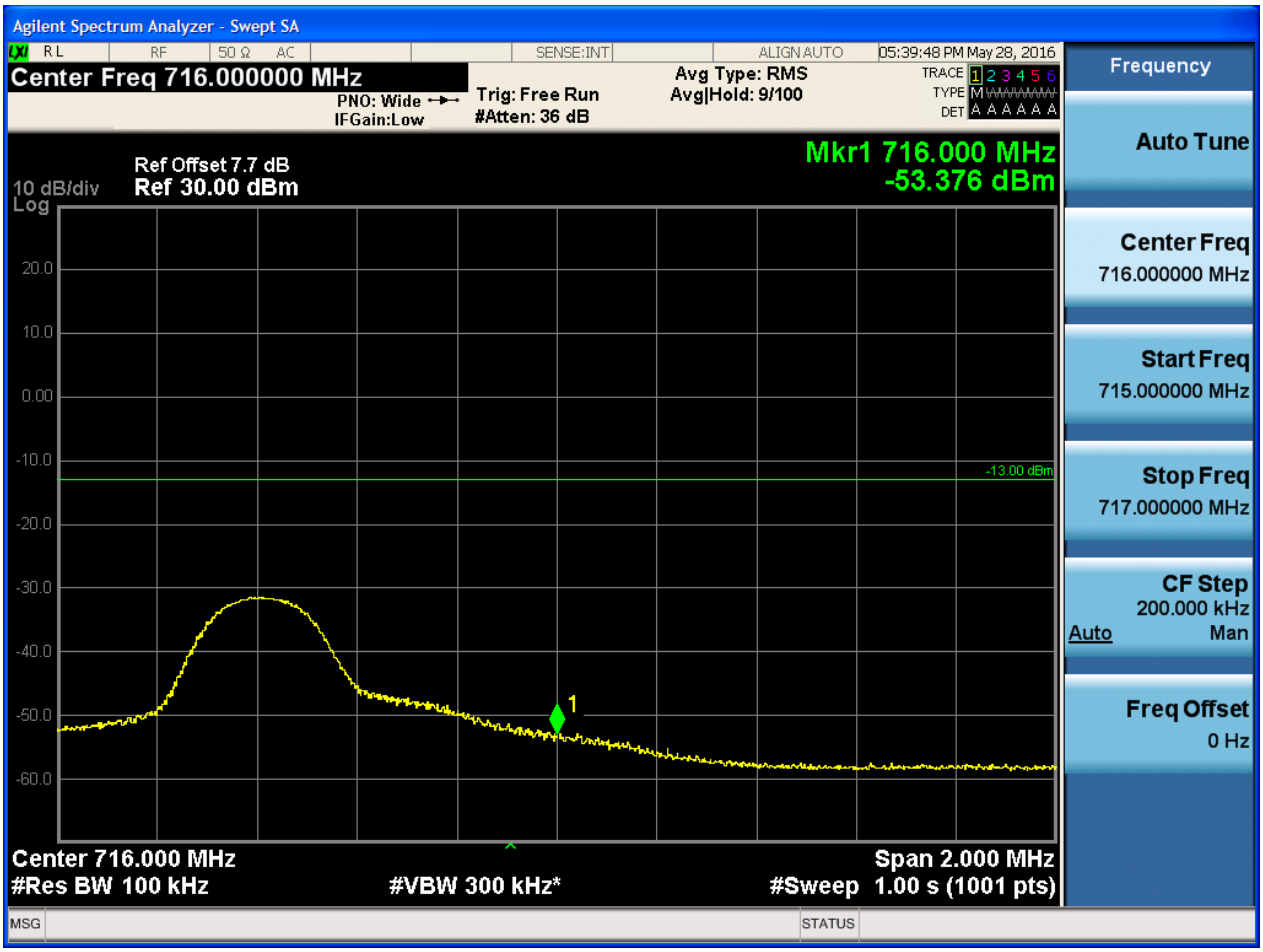


5.1.1.1.2.1.4 Test RB = RB50#0

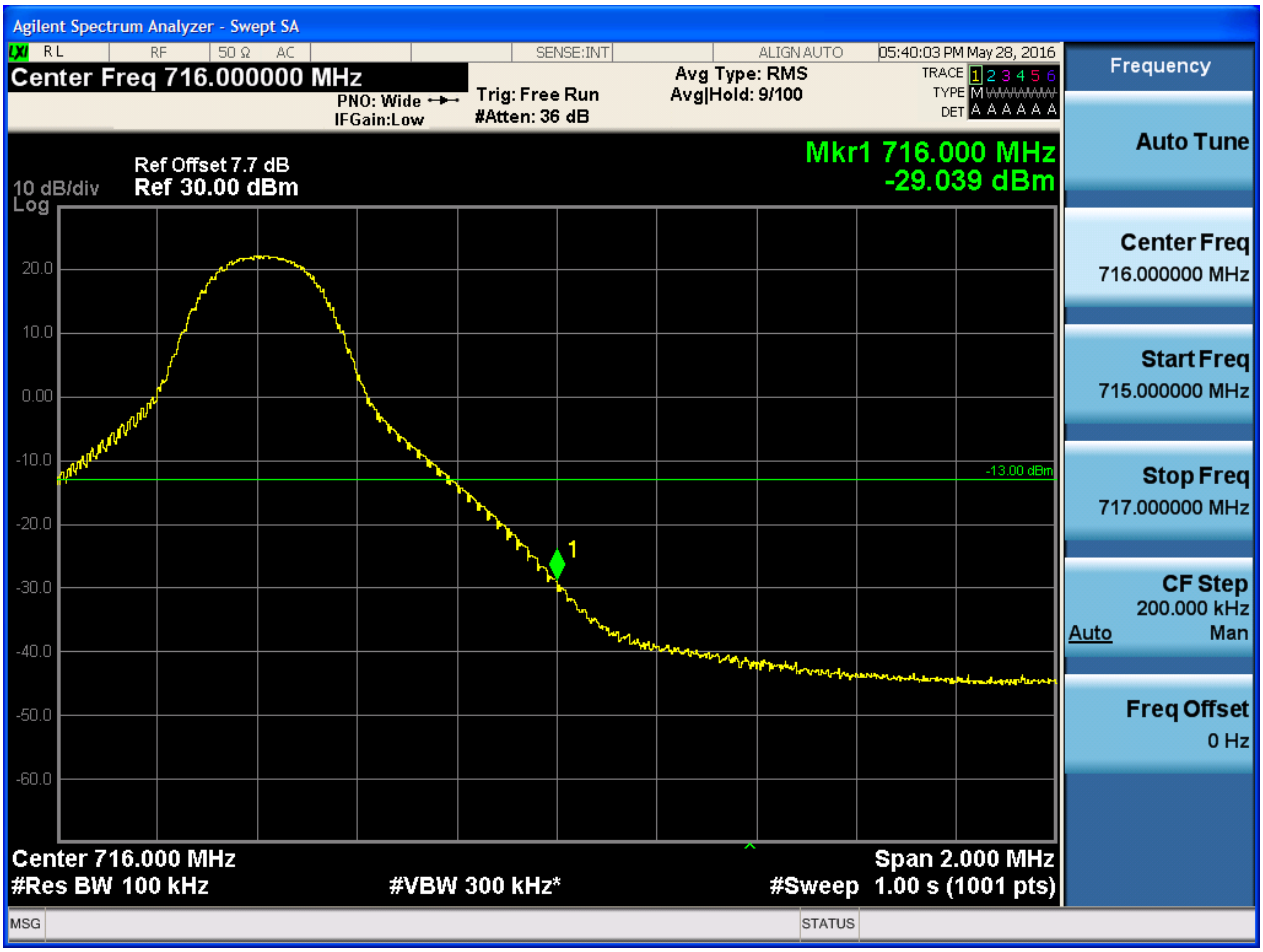


5.1.1.1.2.2 Test Channel = HCH

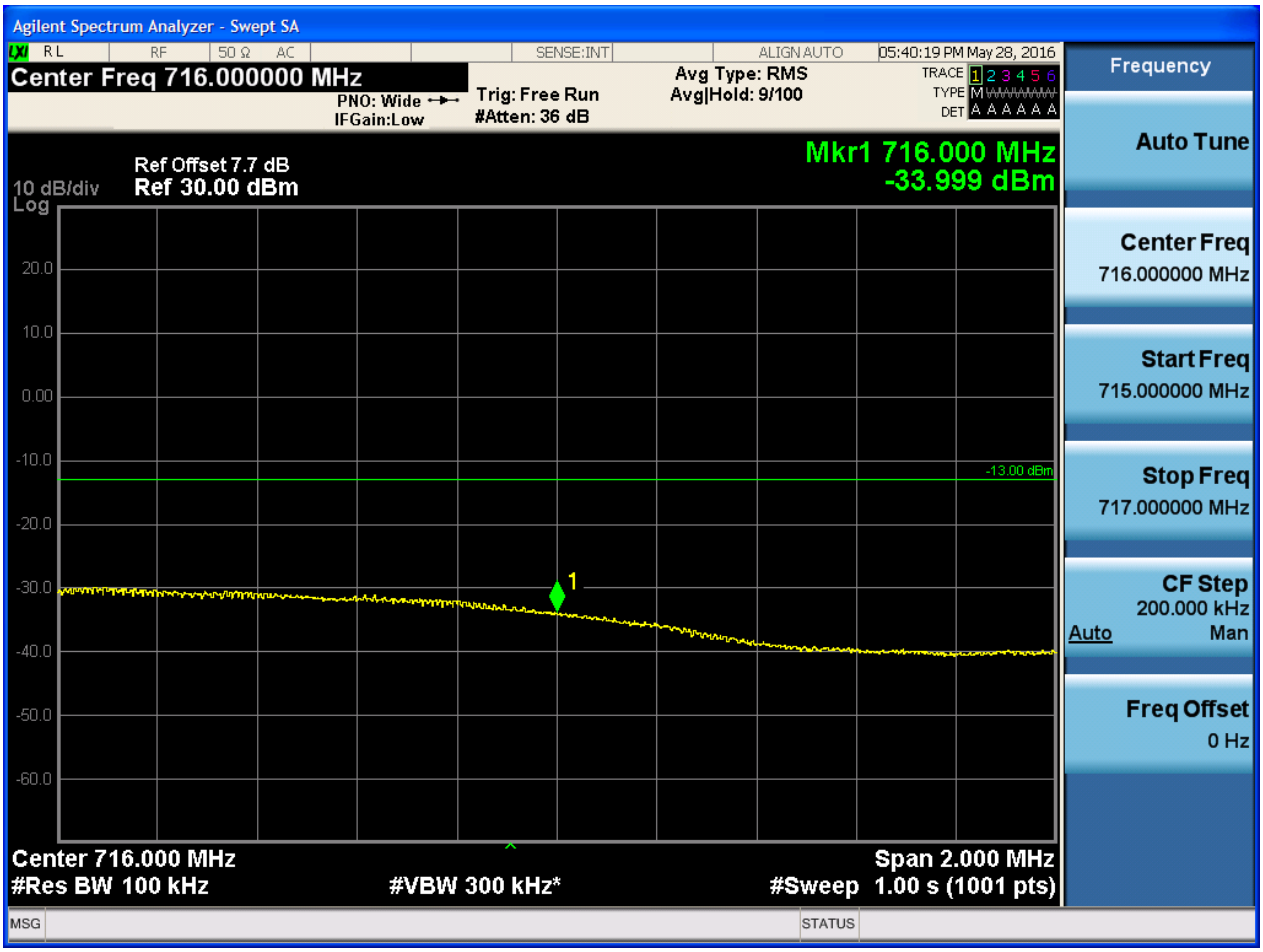
5.1.1.1.2.2.1 Test RB = RB1#0



5.1.1.1.2.2.2 Test RB = RB1#49



5.1.1.1.2.2.3 Test RB = RB25#13



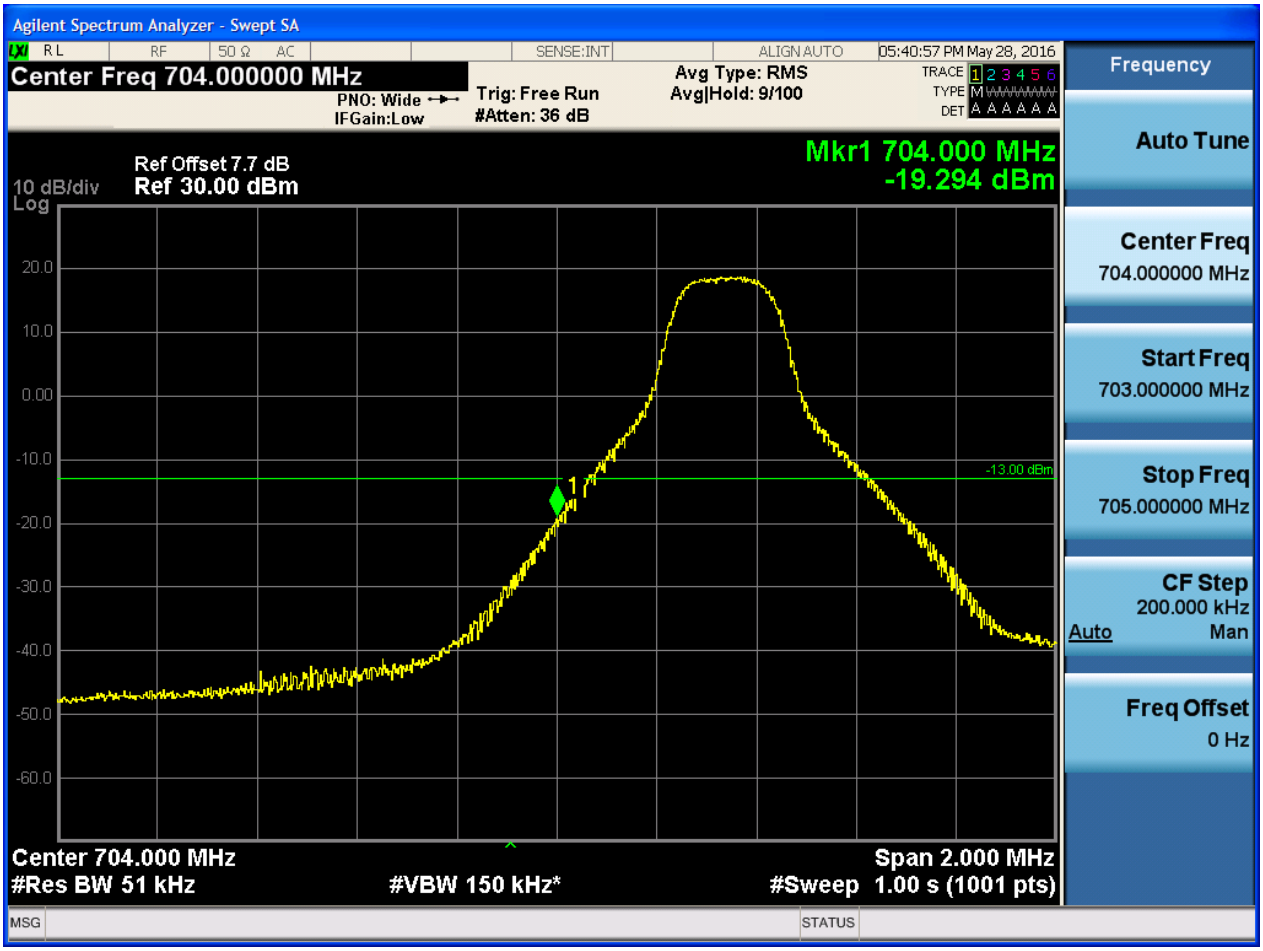
5.1.1.1.2.2.4 Test RB = RB50#0

5.1.1.2 Test Mode = LTE/TM2

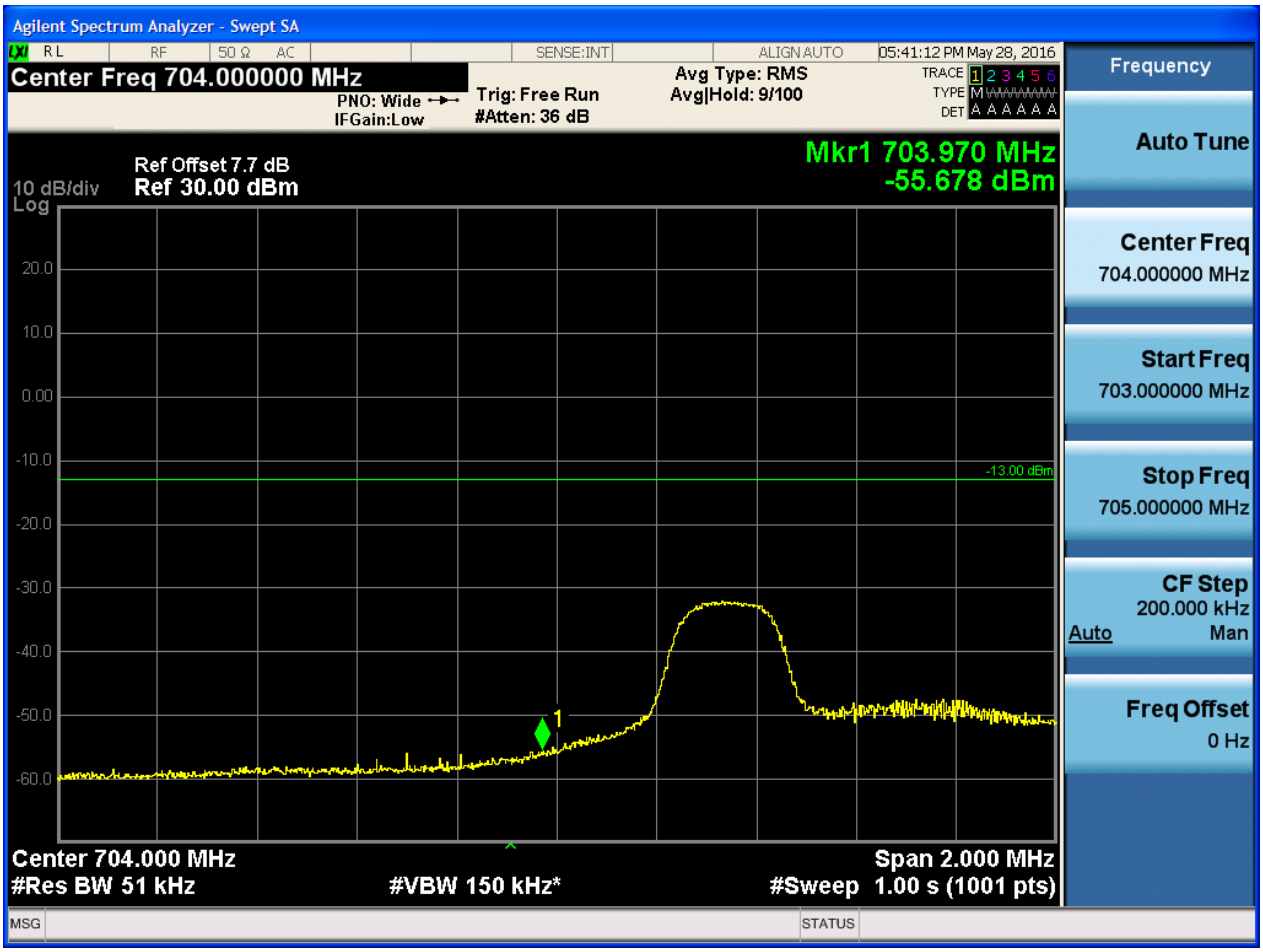
5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

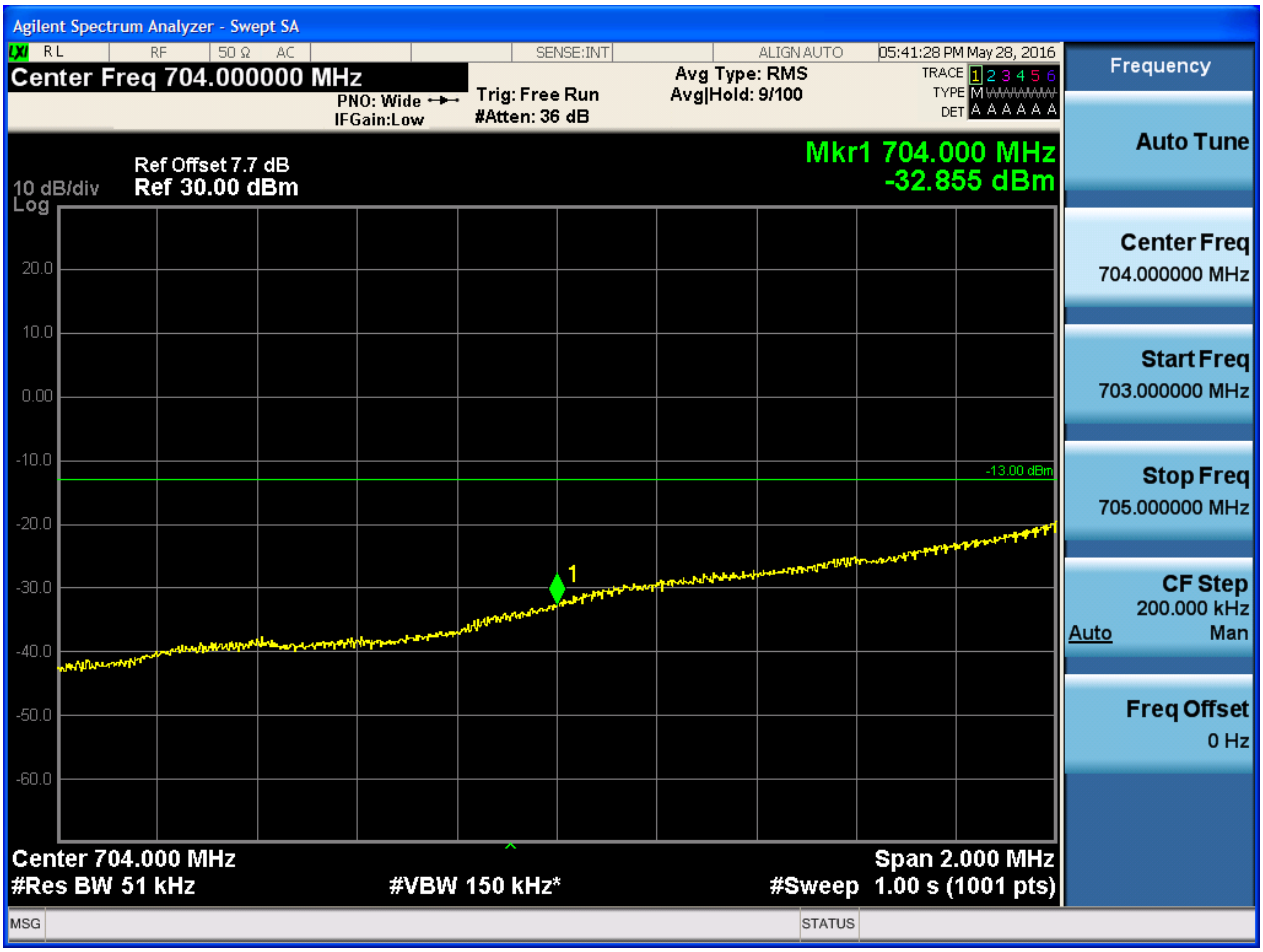
####### 5.1.1.2.1.1.1 Test RB = RB1#0



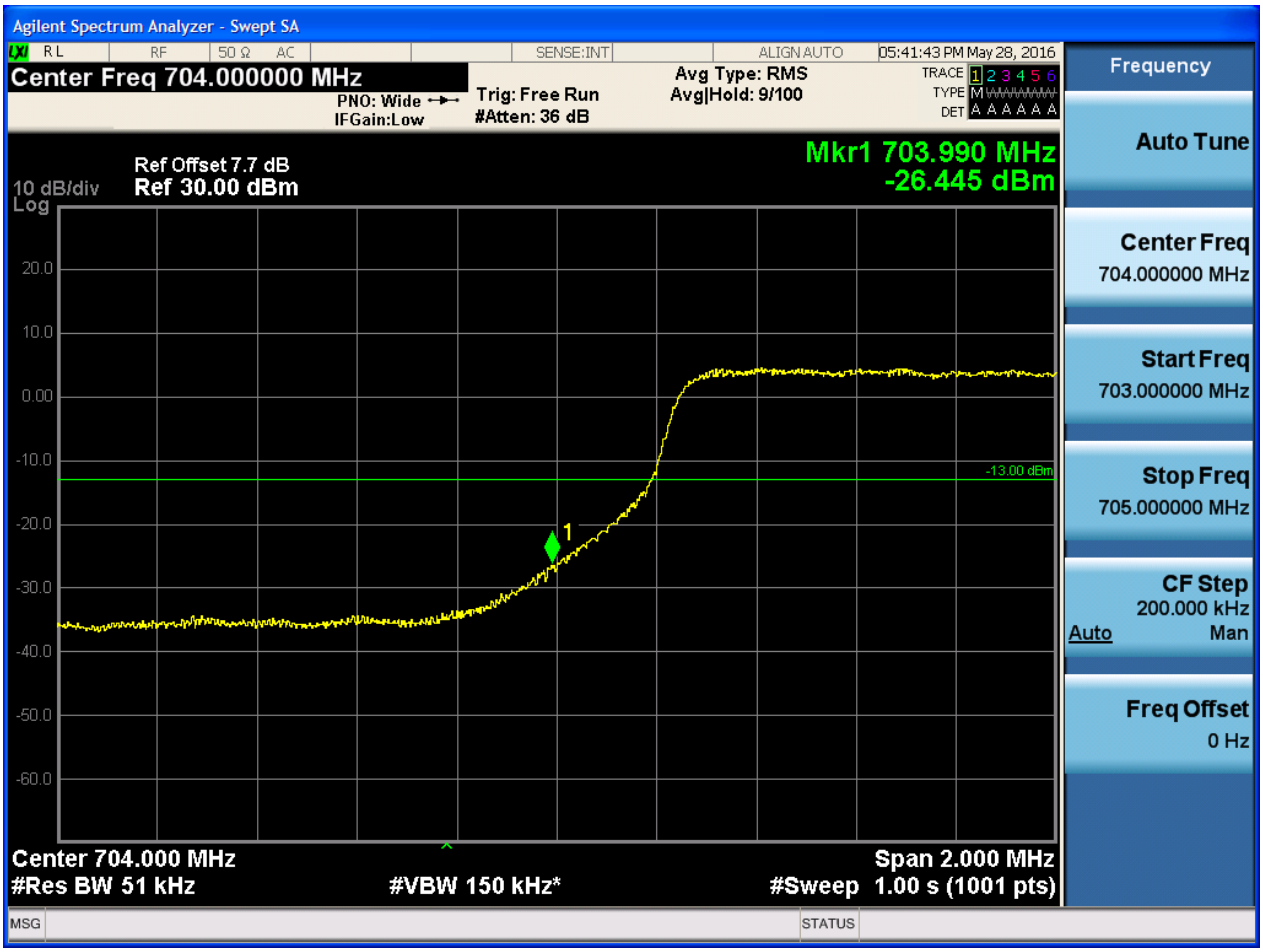
5.1.1.2.1.1.2 Test RB = RB1#24



5.1.1.2.1.1.3 Test RB = RB12#6

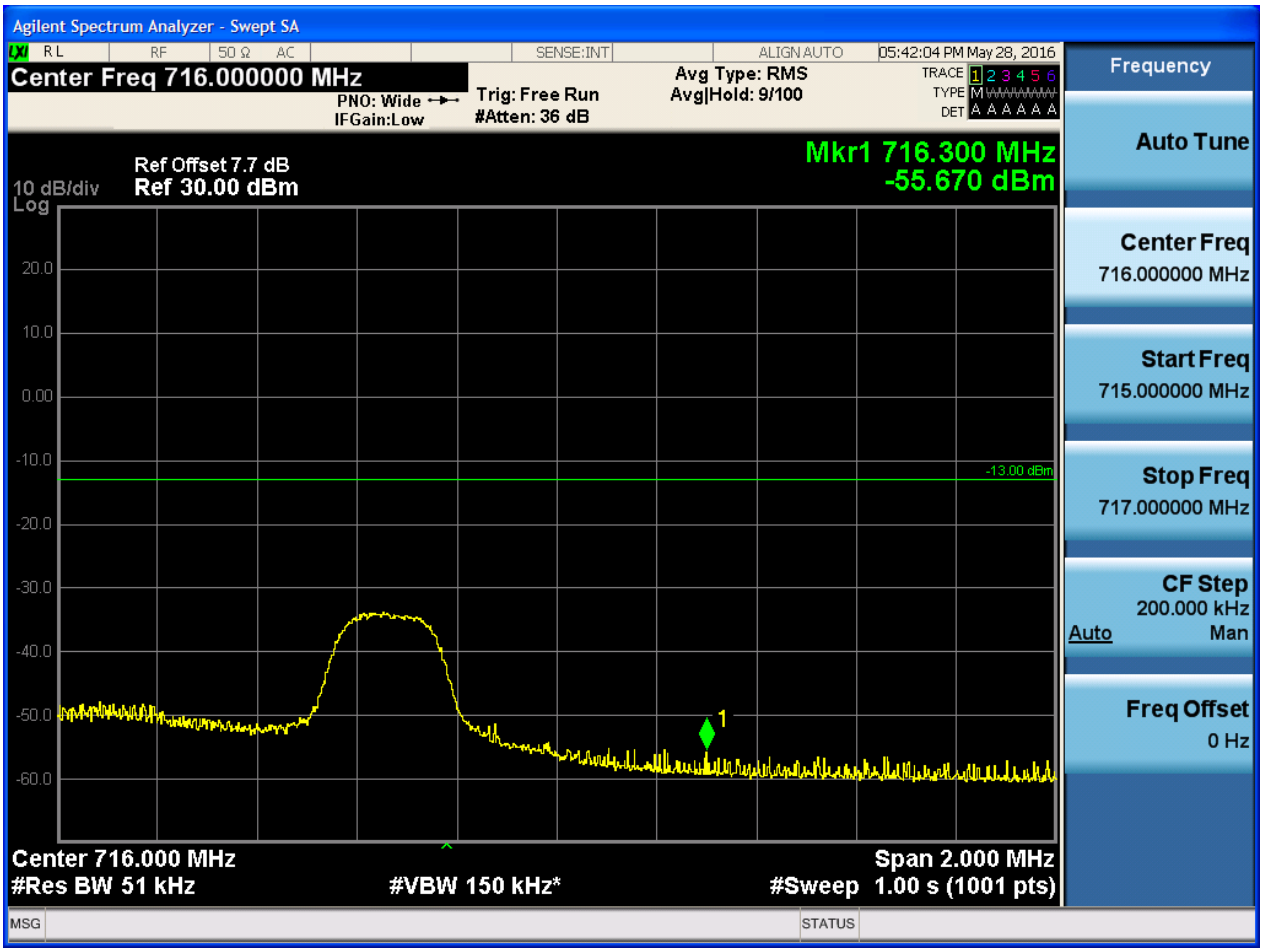


5.1.1.2.1.1.4 Test RB = RB25#0

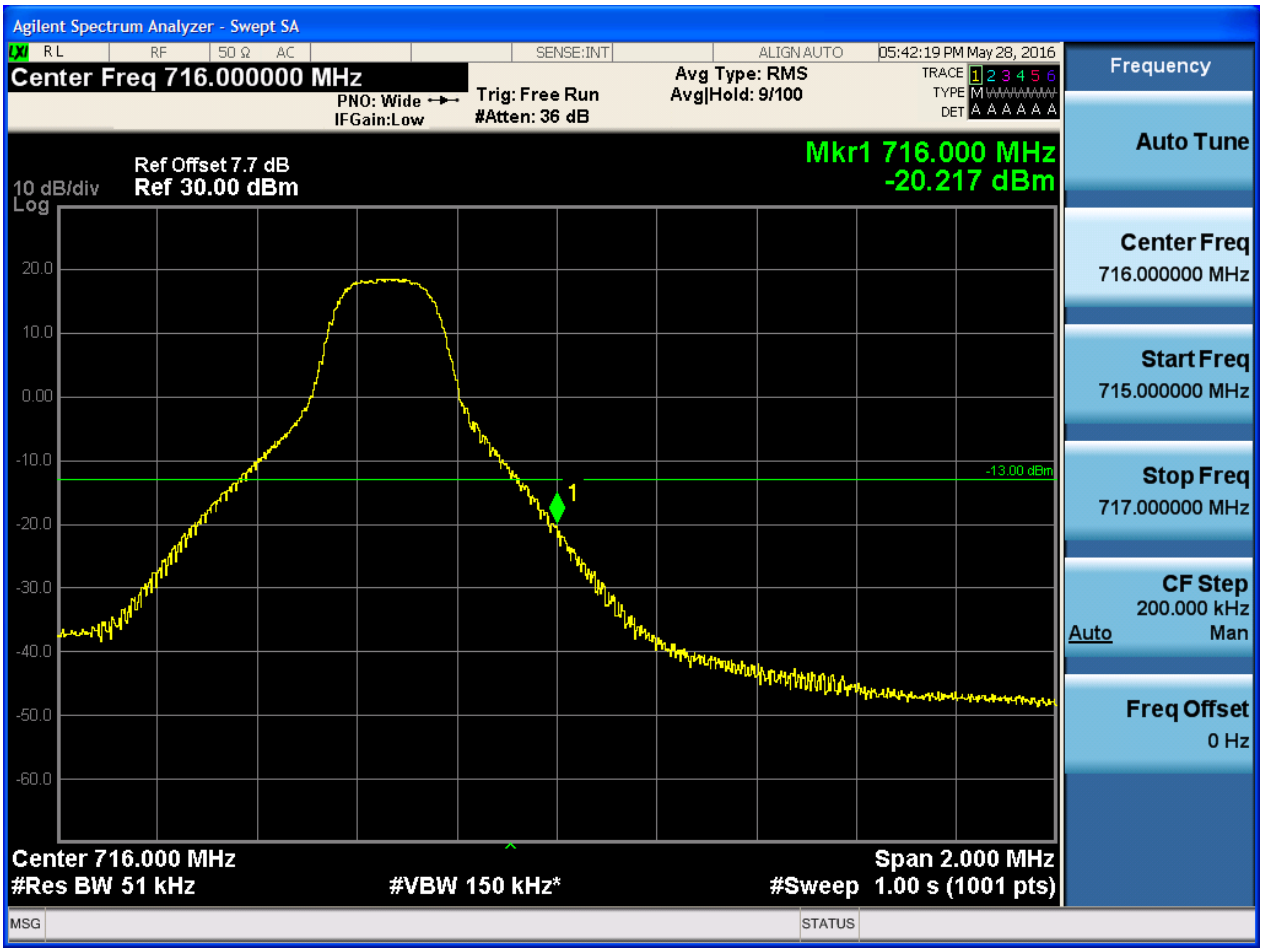


5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



5.1.1.2.1.2.2 Test RB = RB1#24



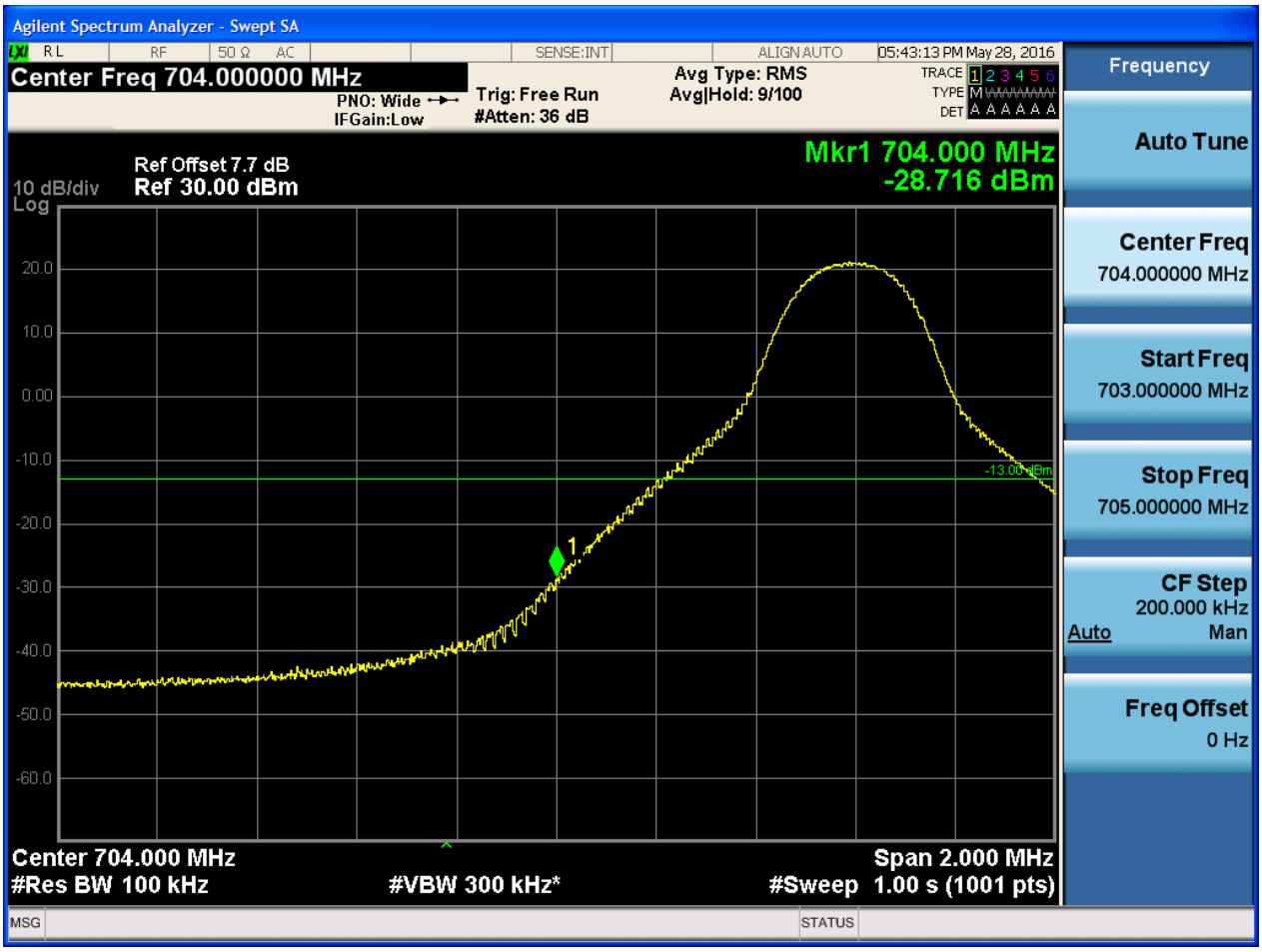
5.1.1.2.1.2.3 Test RB = RB12#6

5.1.1.2.1.2.4 Test RB = RB25#0

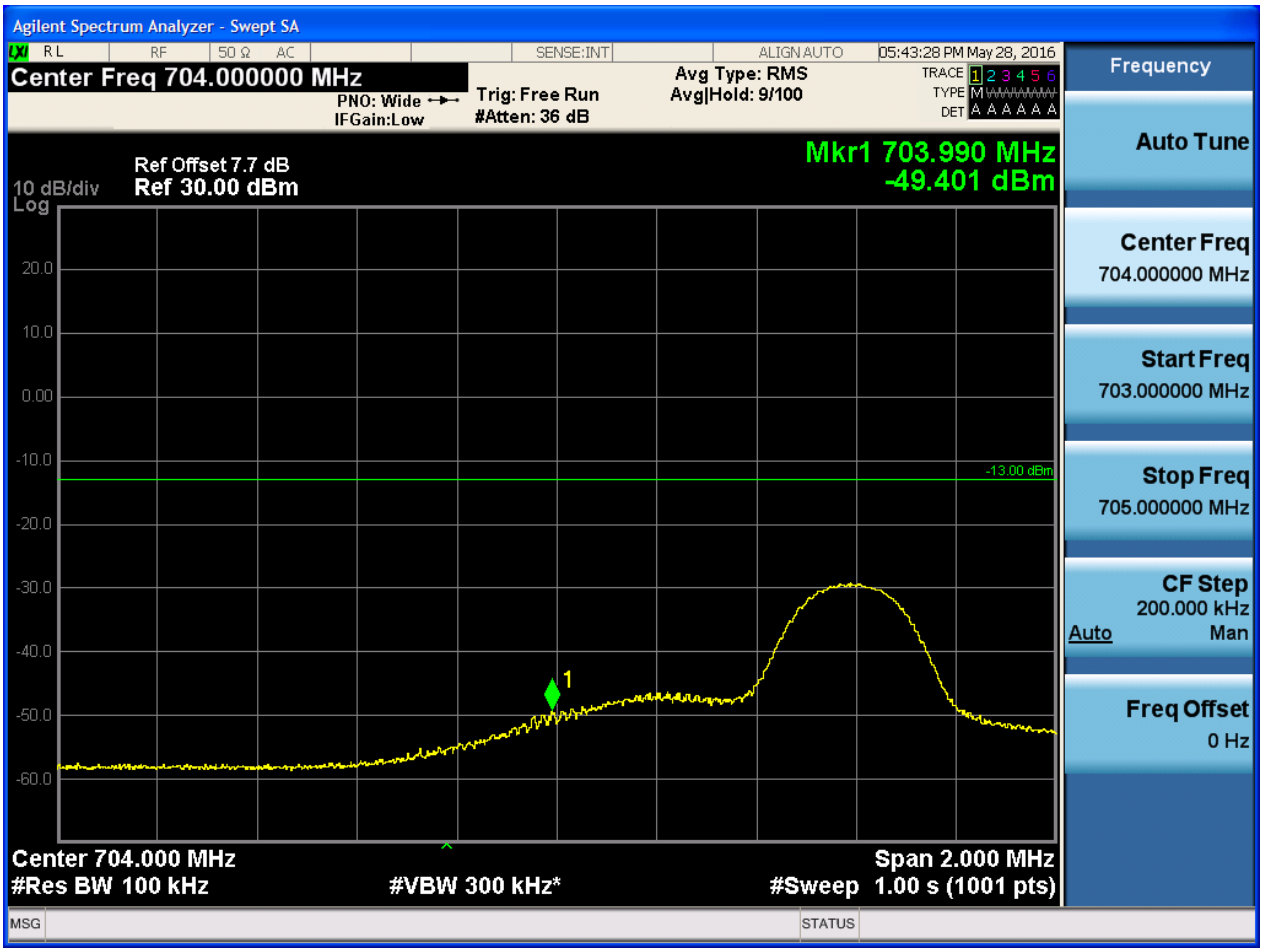
5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

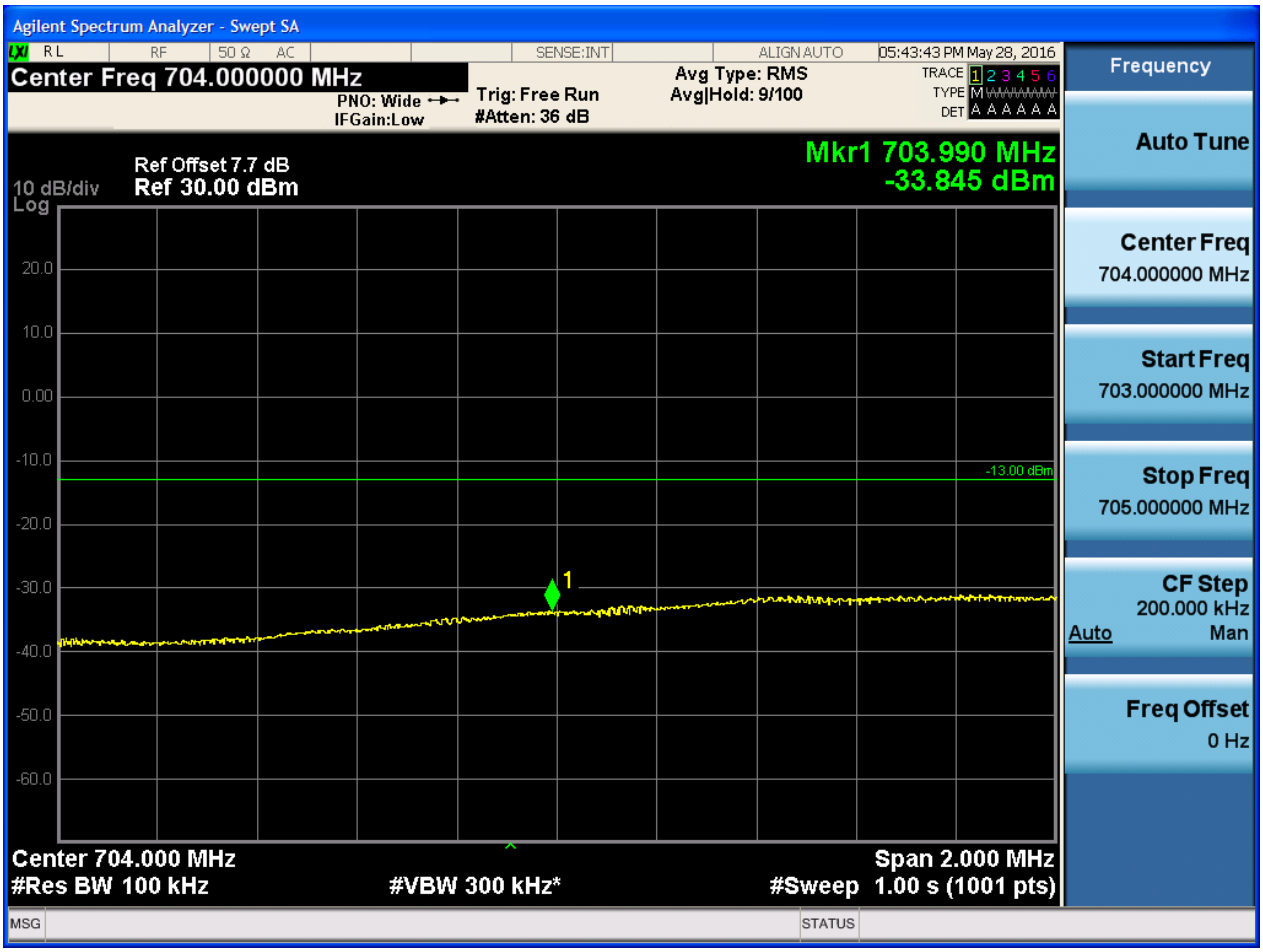
5.1.1.2.2.1.1 Test RB = RB1#0



5.1.1.2.2.1.2 Test RB = RB1#49



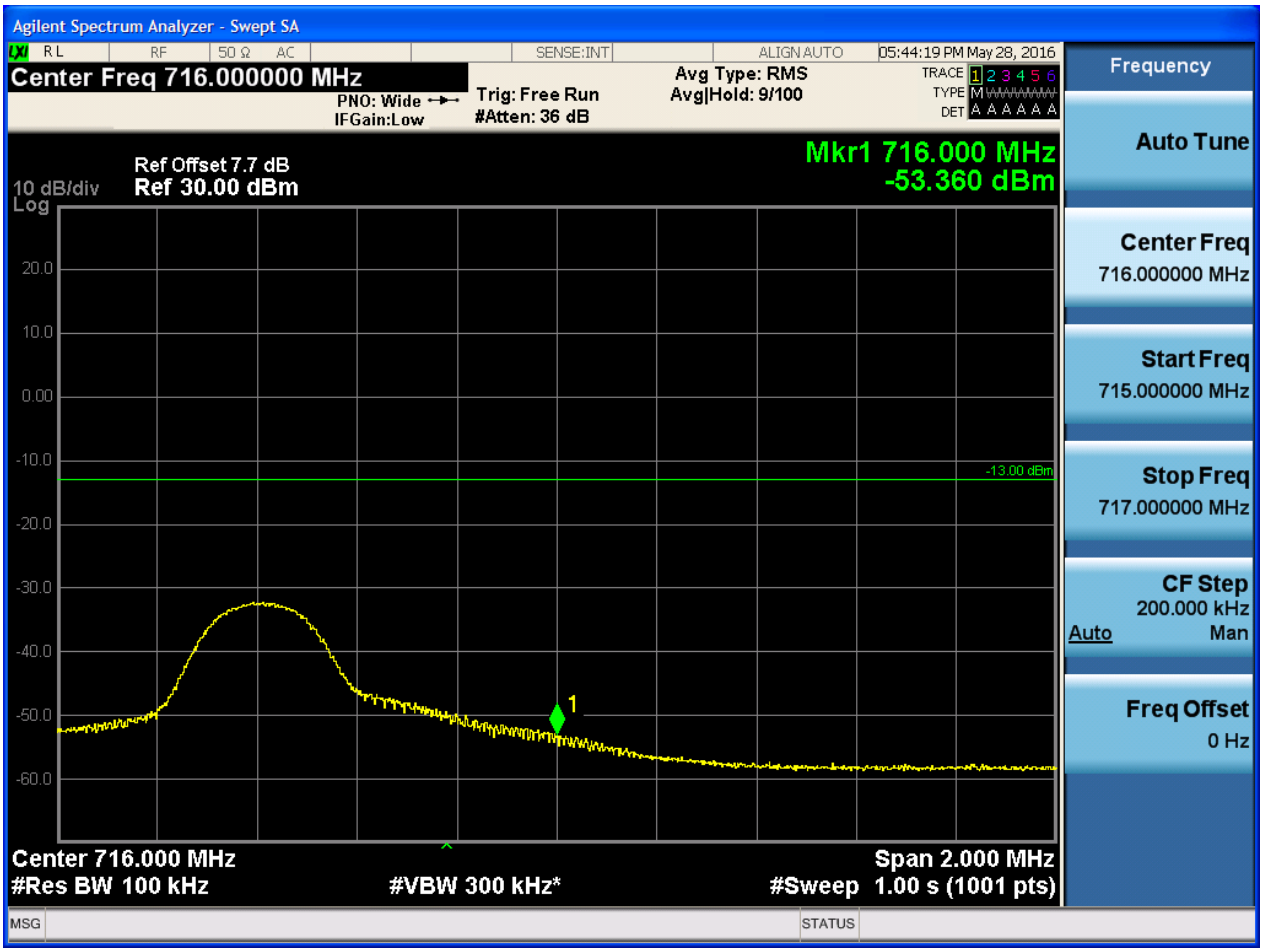
5.1.1.2.2.1.3 Test RB = RB25#13



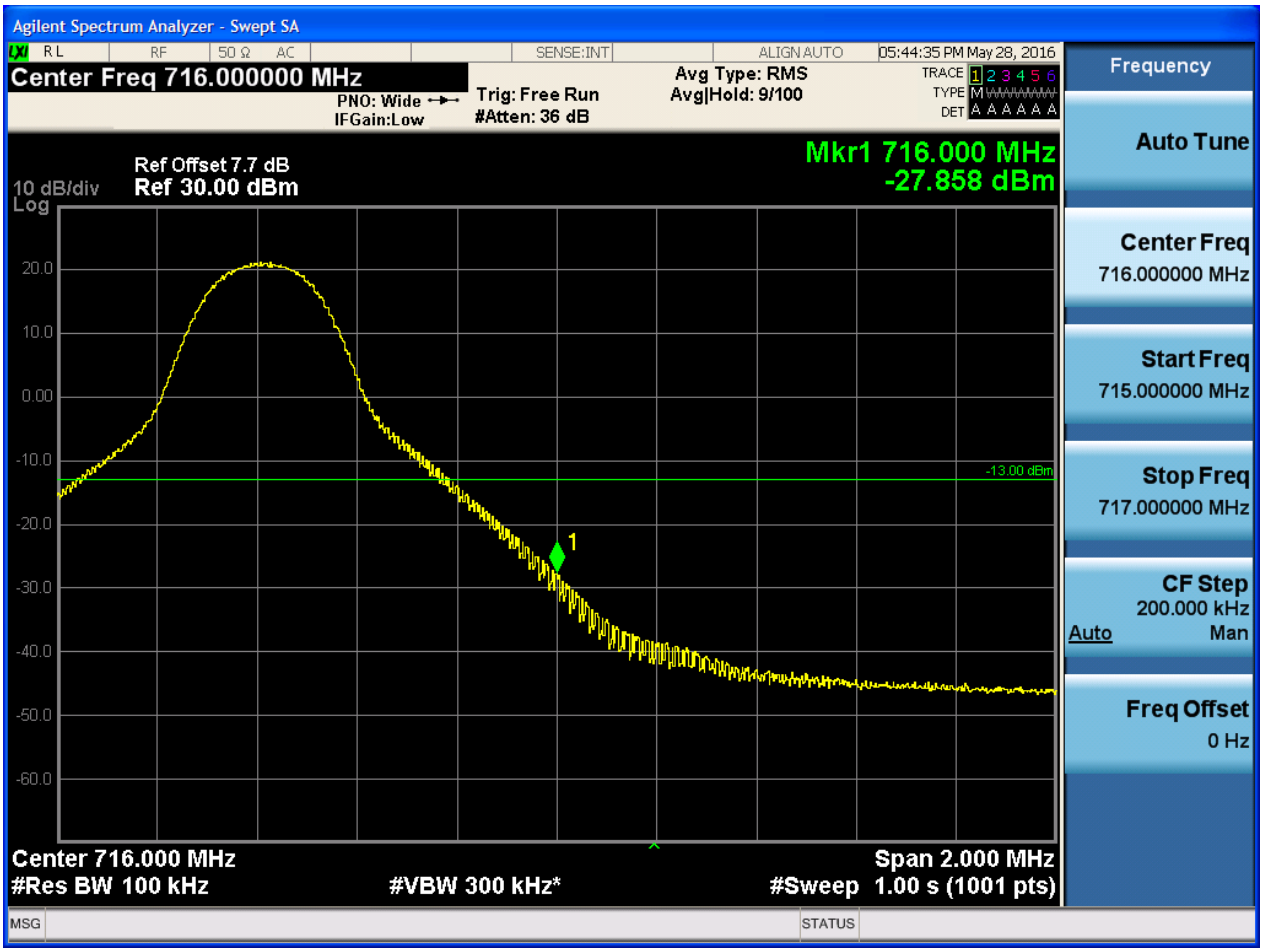
5.1.1.2.2.1.4 Test RB = RB50#0

5.1.1.2.2.2 Test Channel = HCH

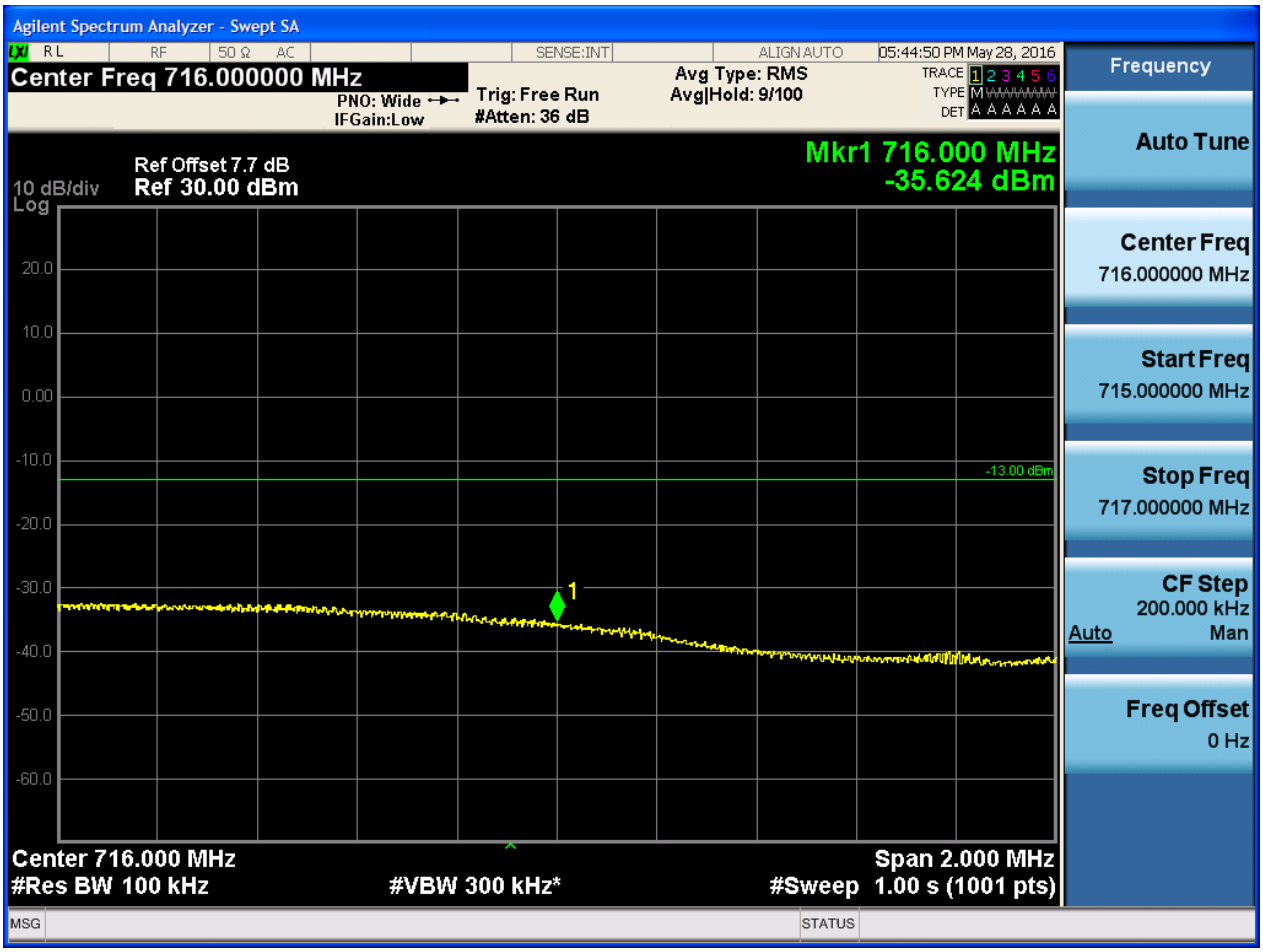
5.1.1.2.2.2.1 Test RB = RB1#0



5.1.1.2.2.2 Test RB = RB1#49



5.1.1.2.2.3 Test RB = RB25#13



5.1.1.2.2.4 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

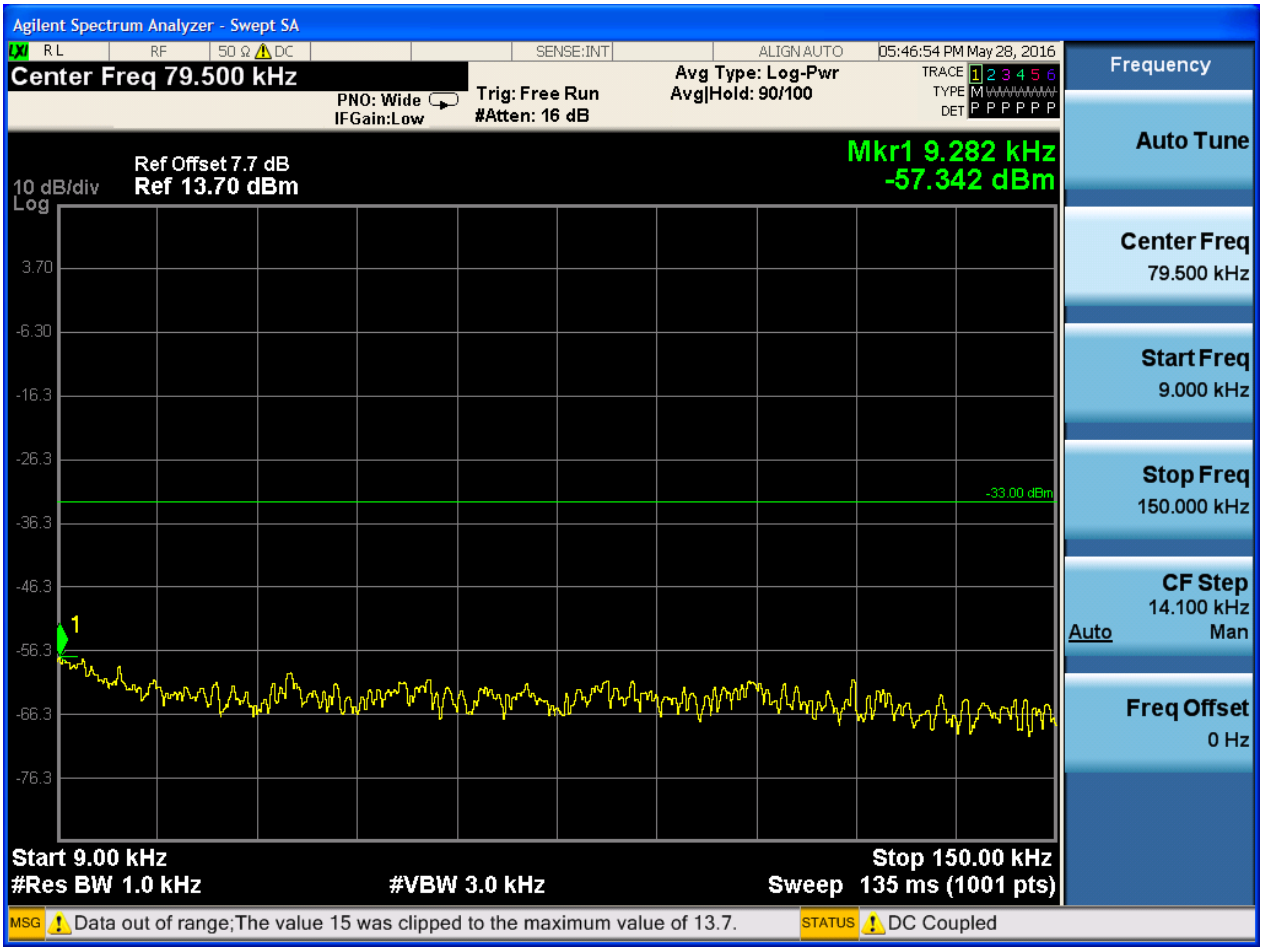
6.1.1 Test Band = BAND17

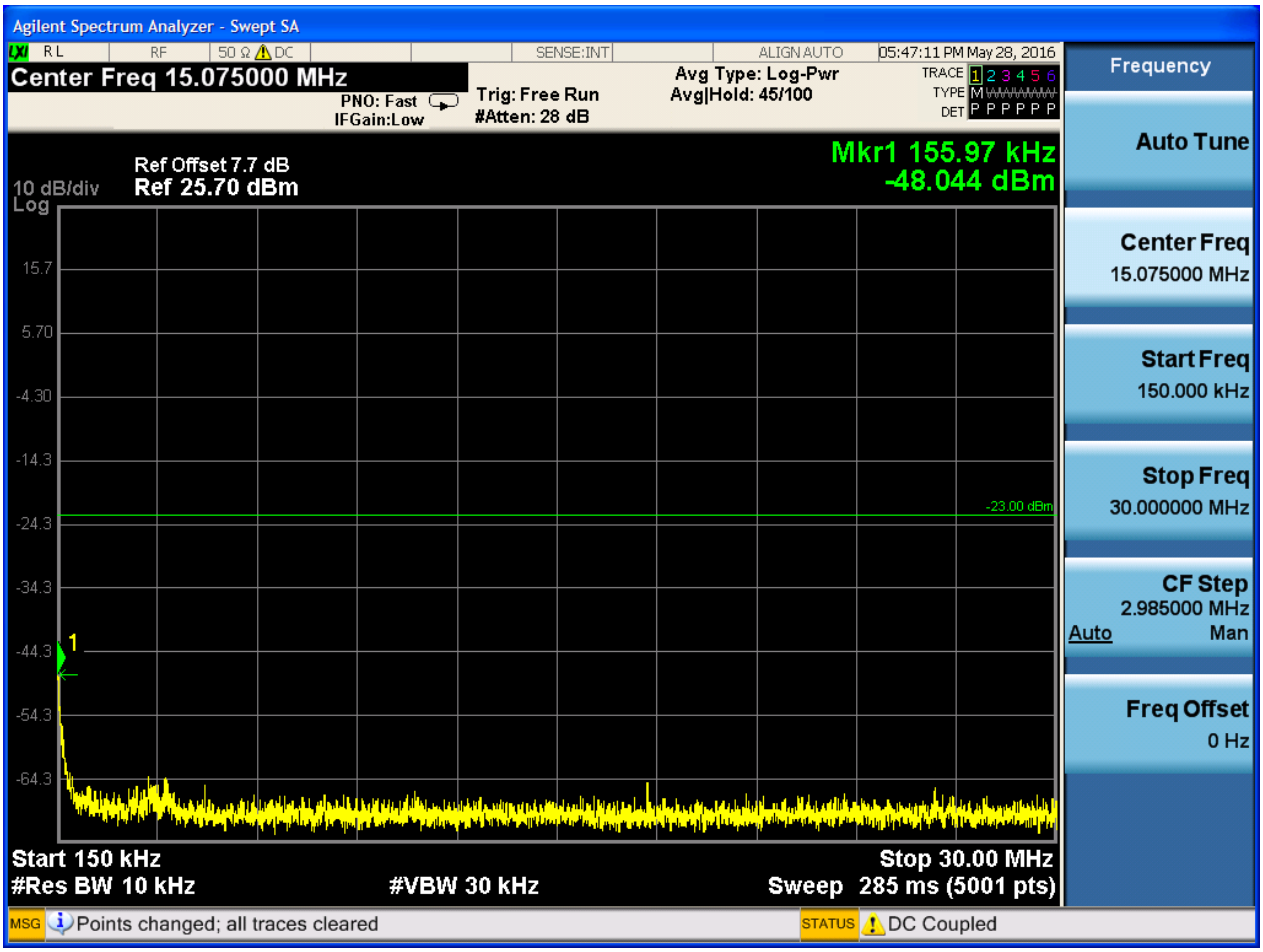
6.1.1.1 Test Mode = LTE/TM1

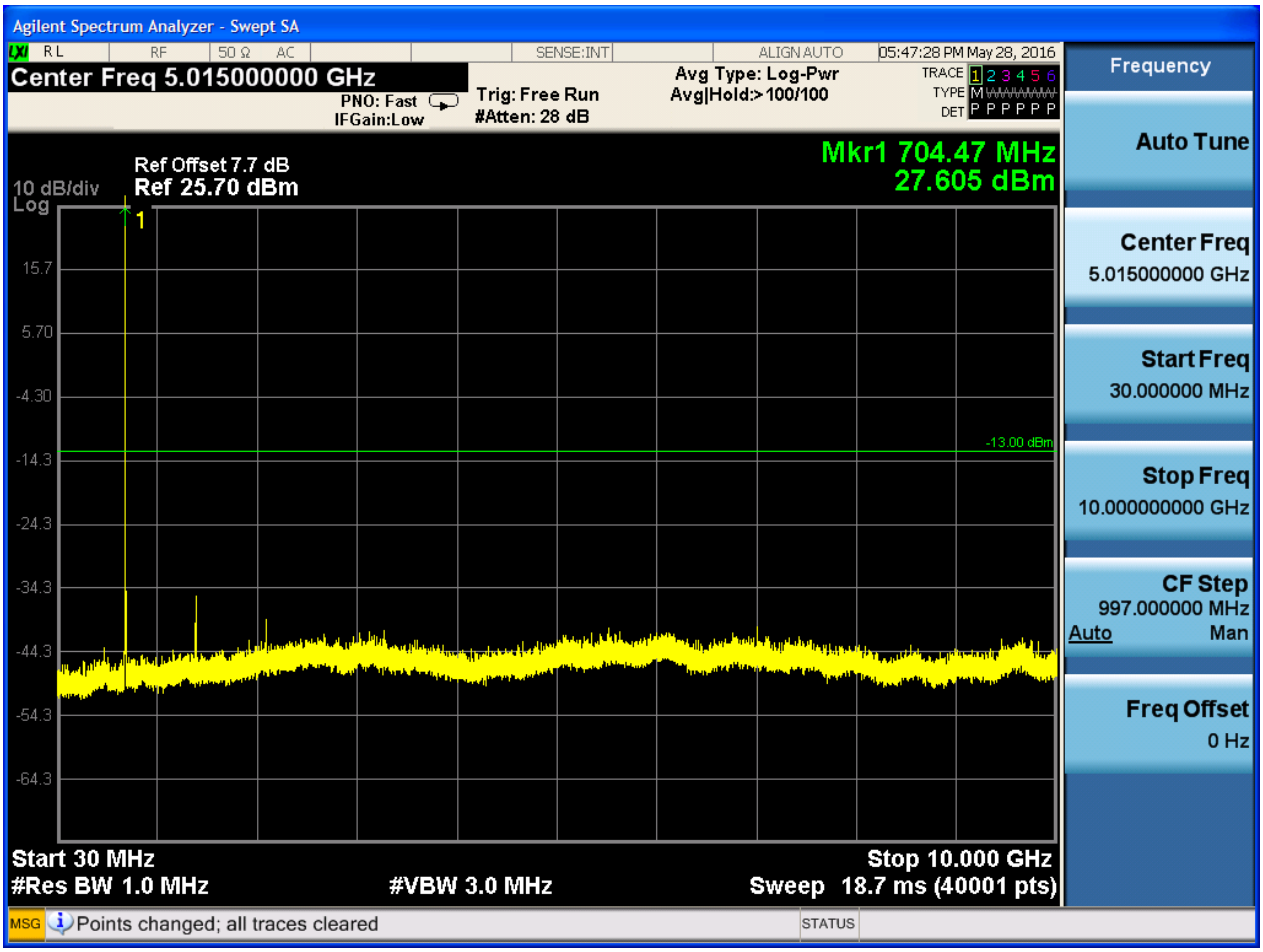
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

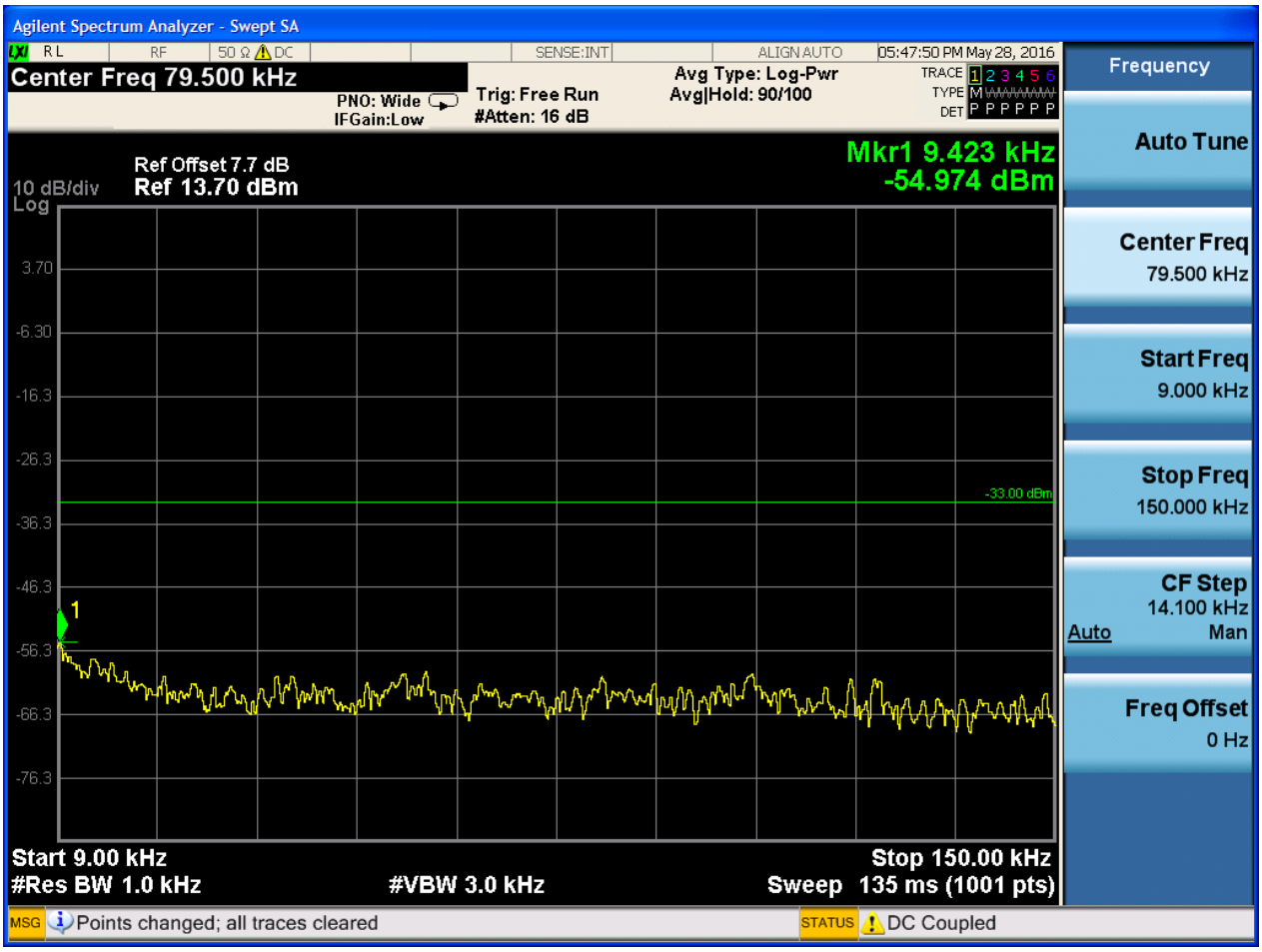


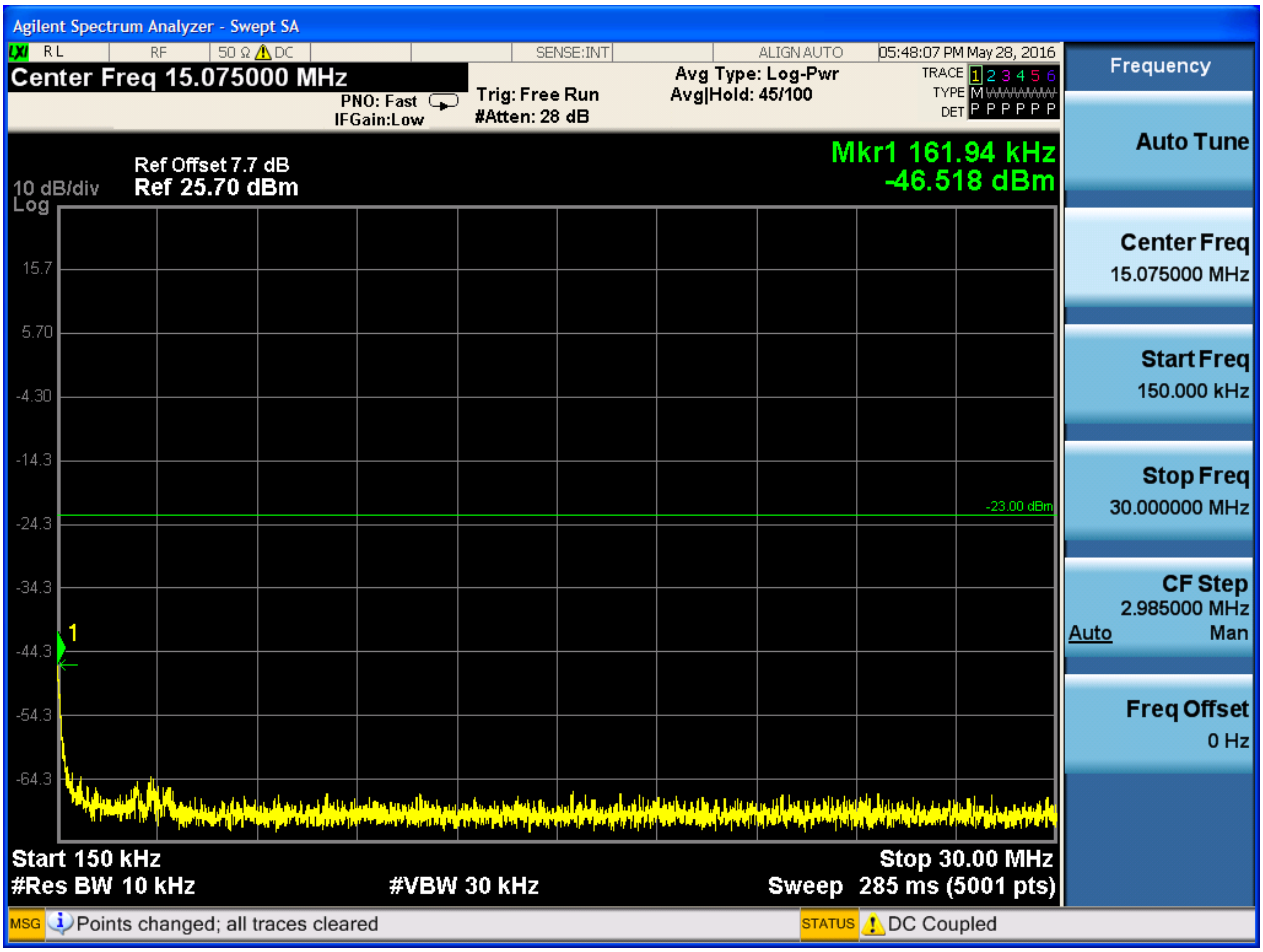


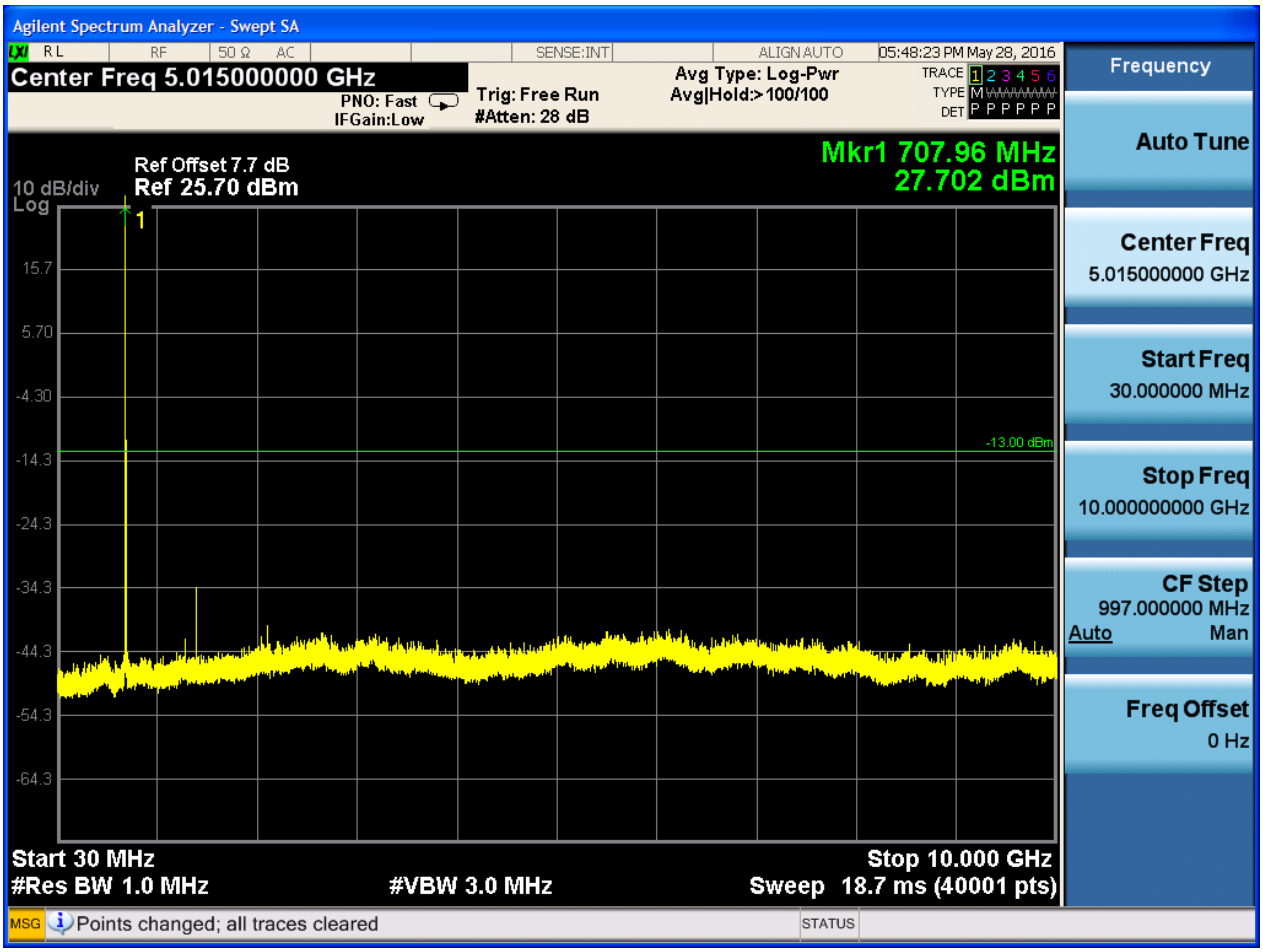


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

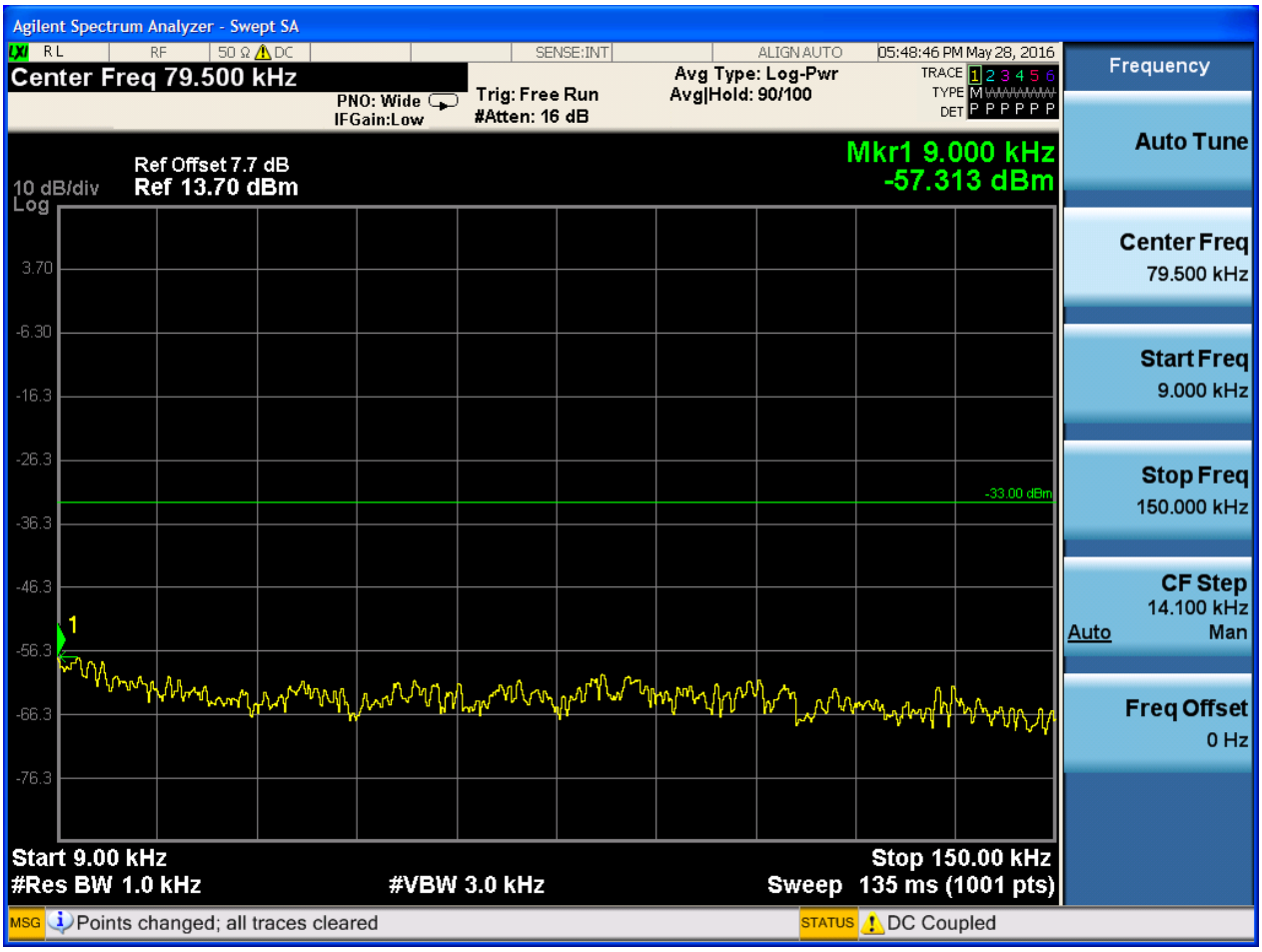


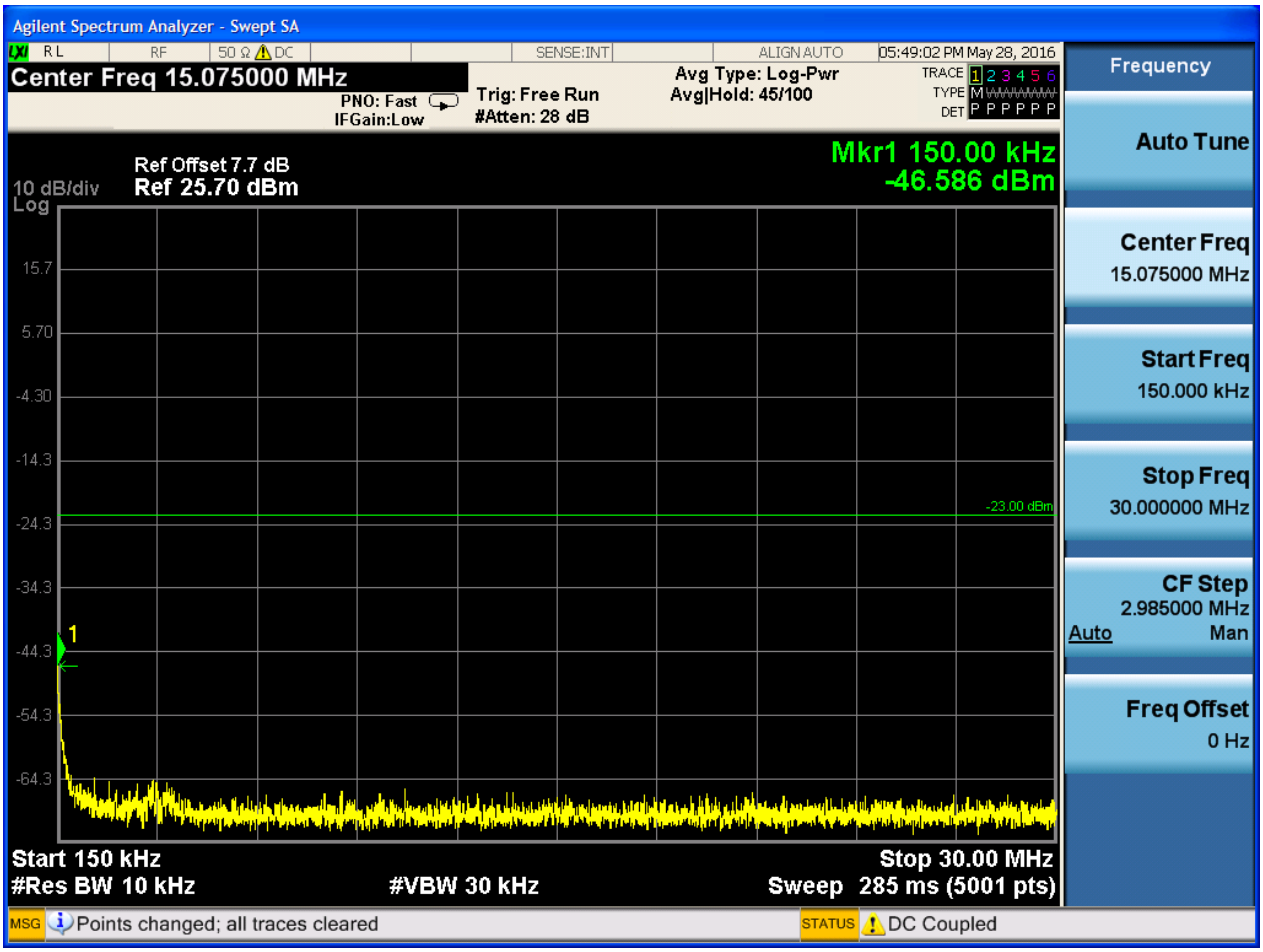


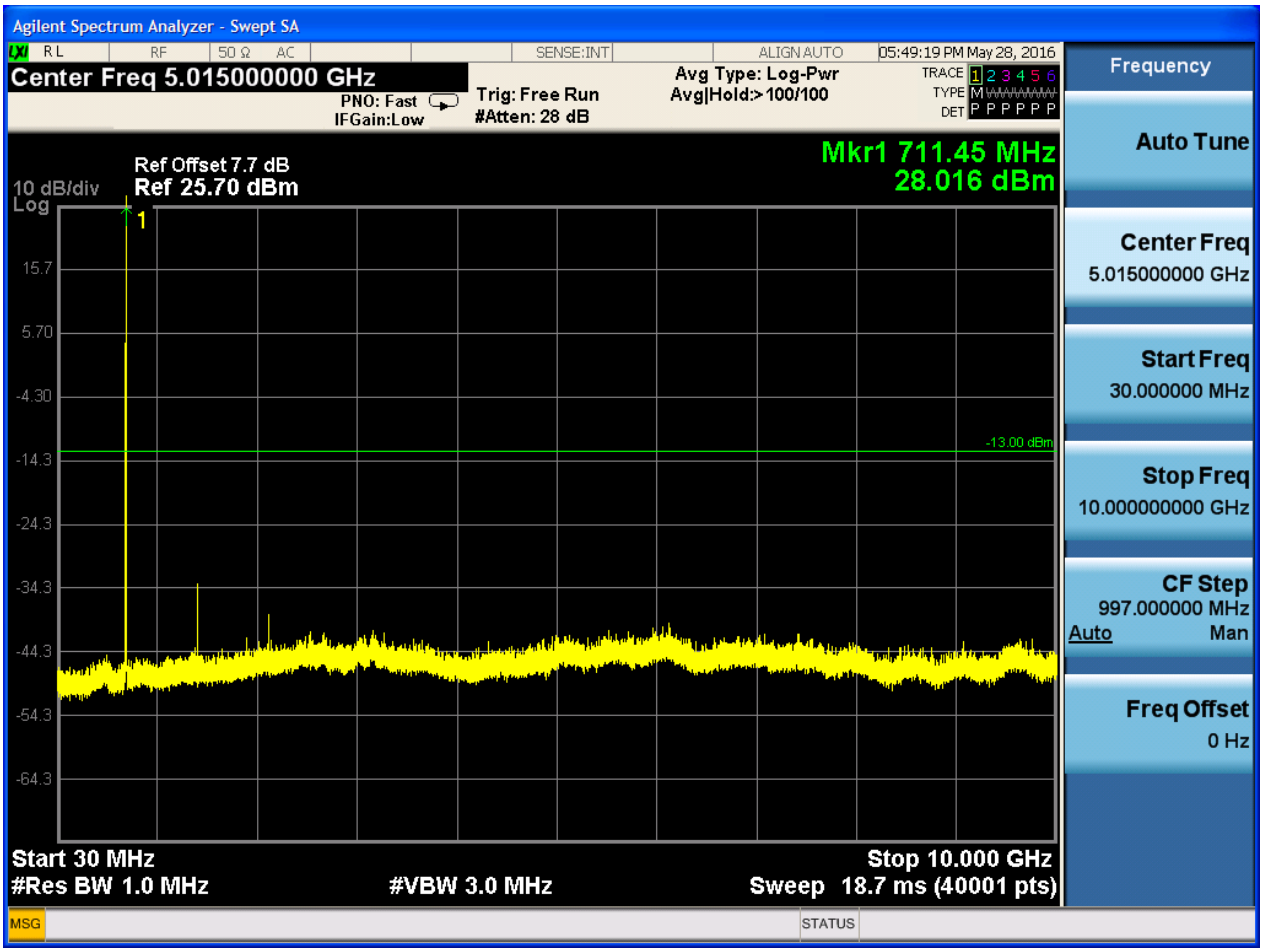


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



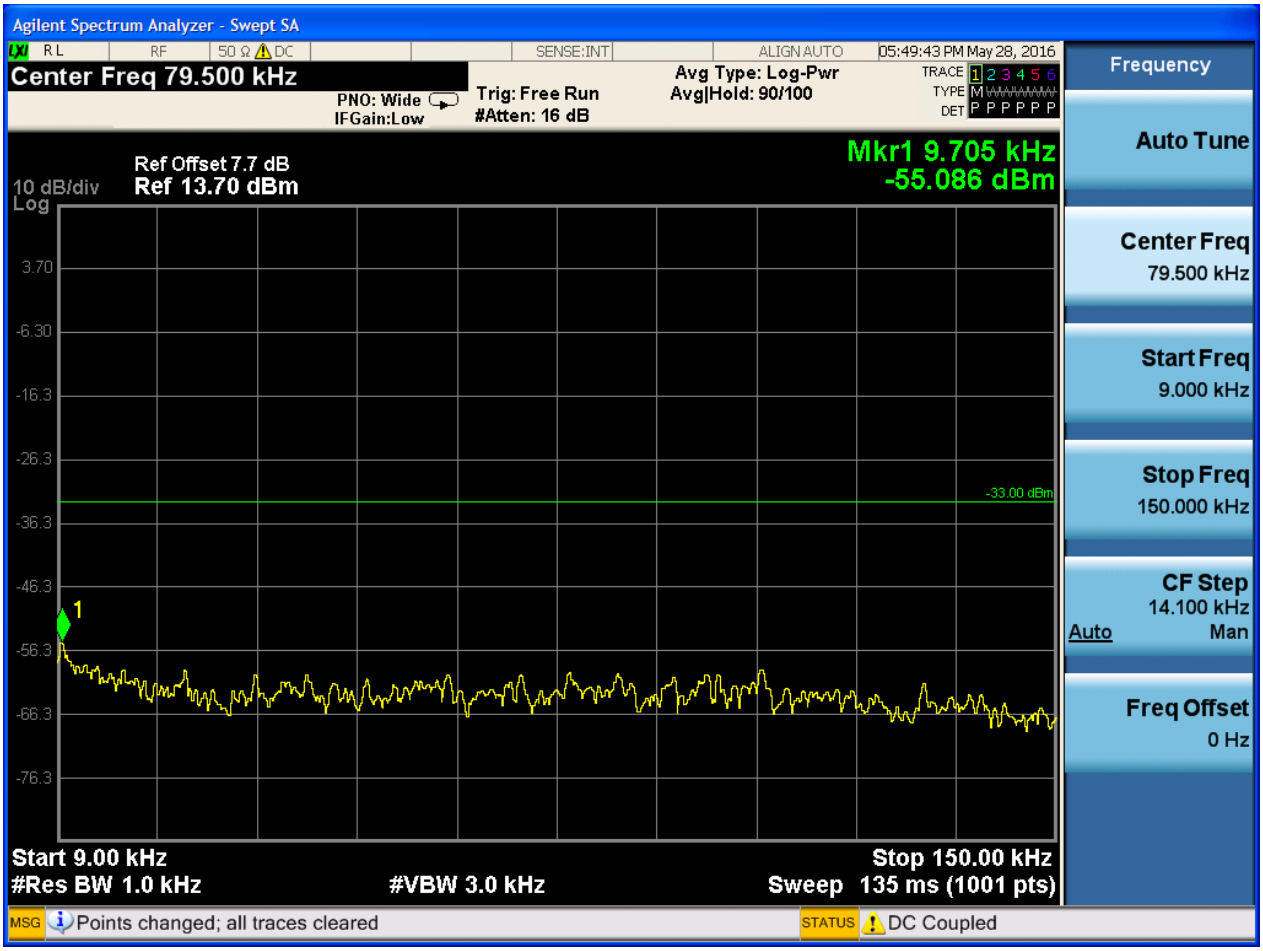


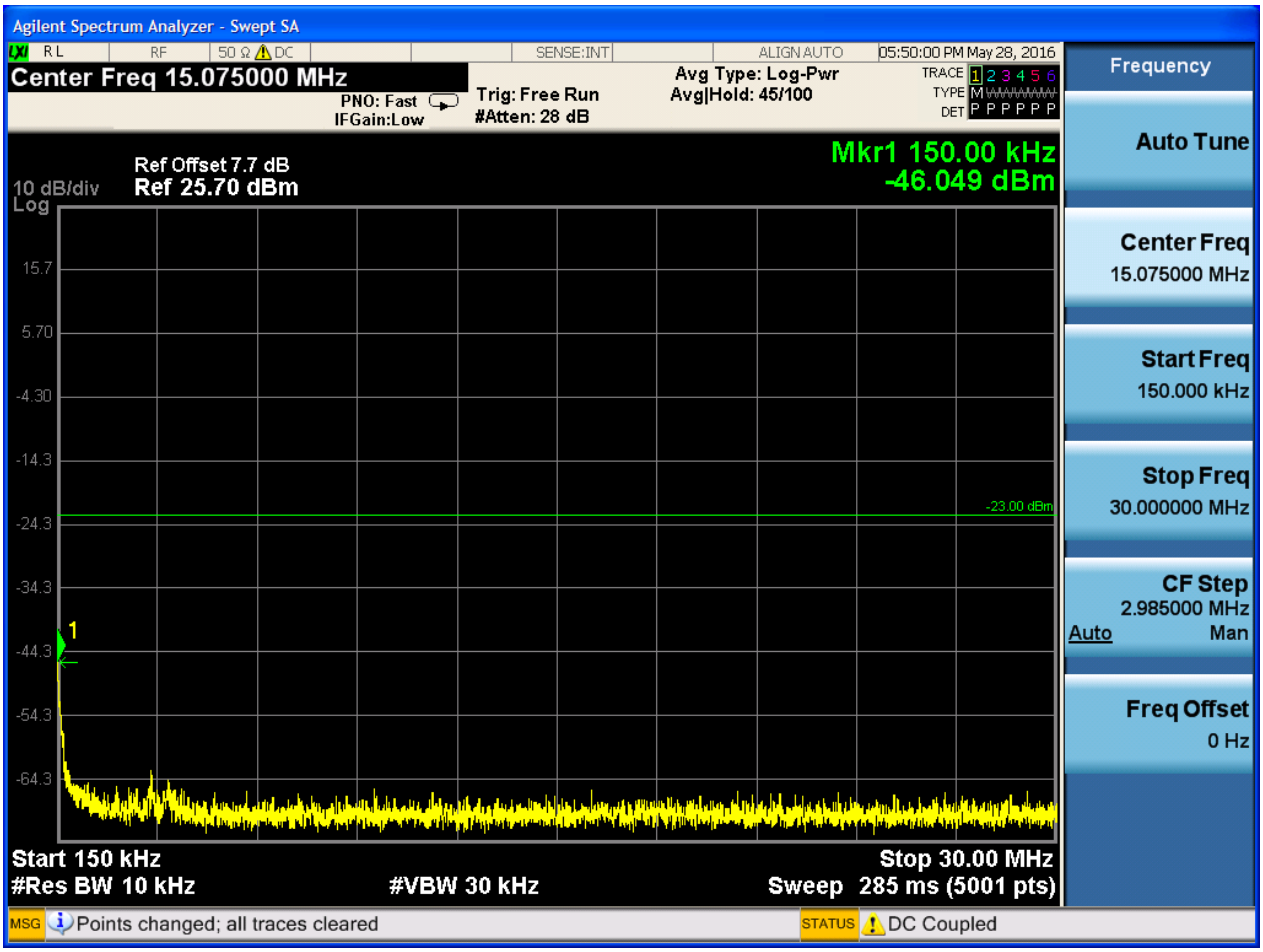


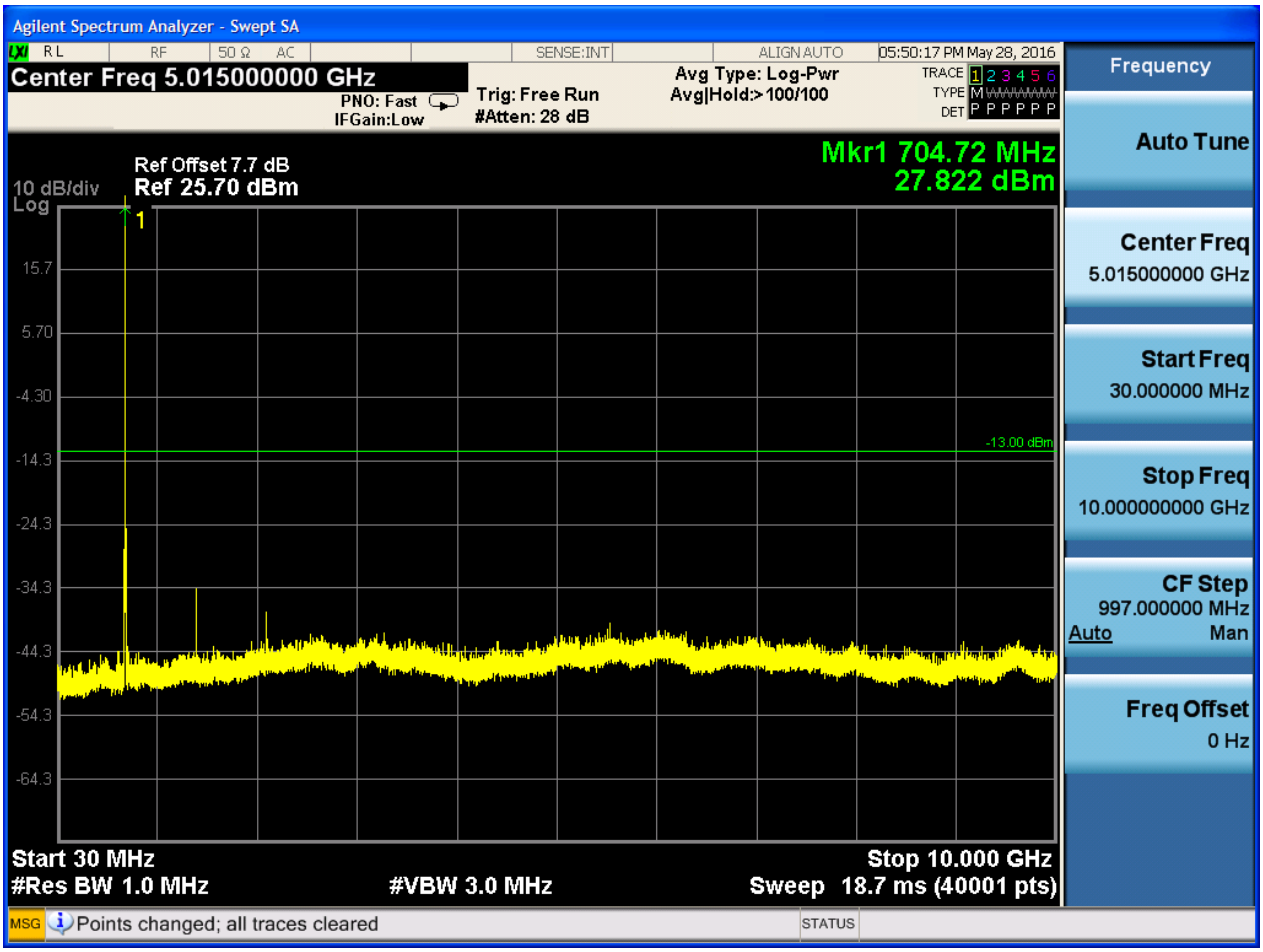
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0

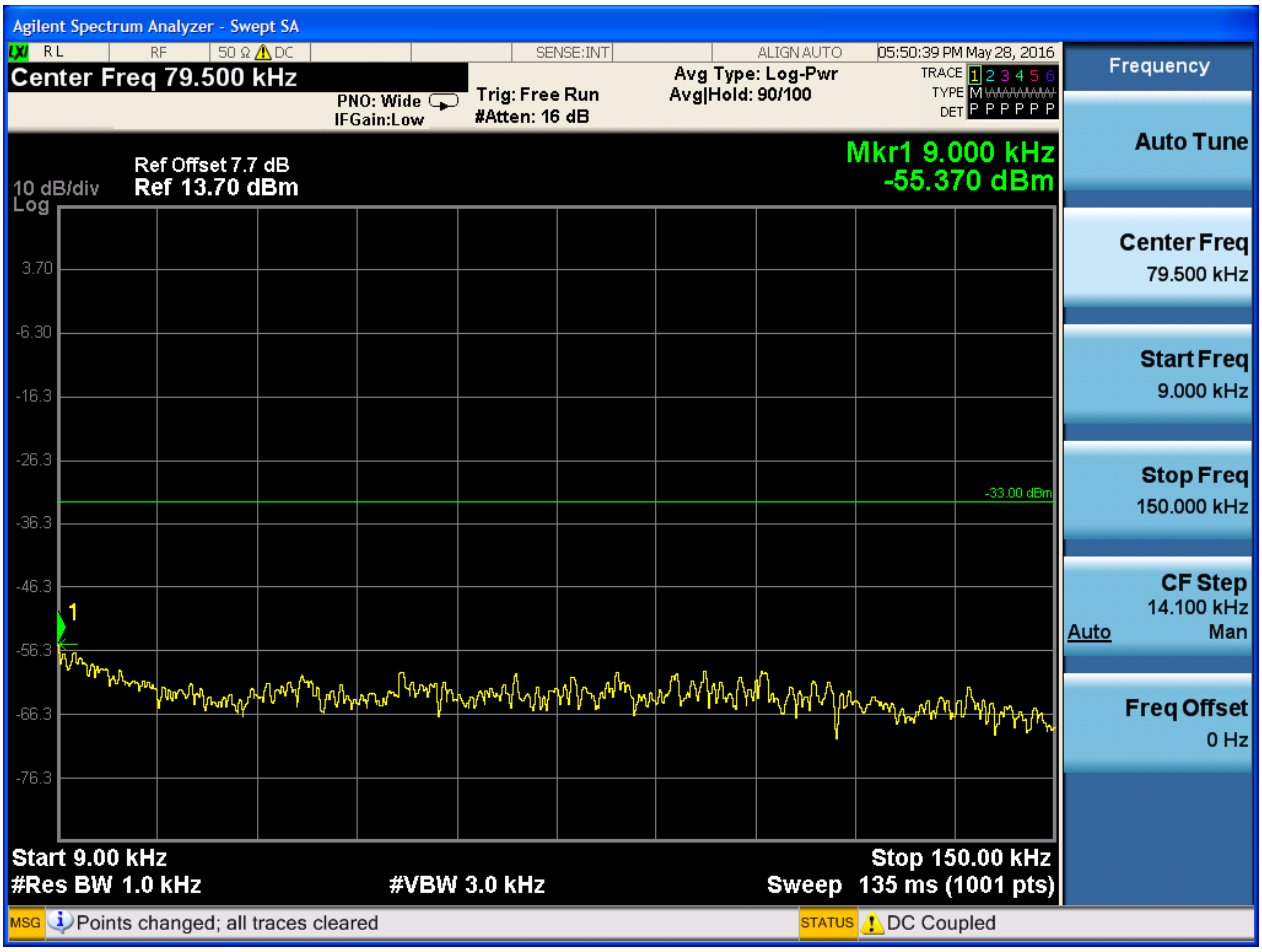


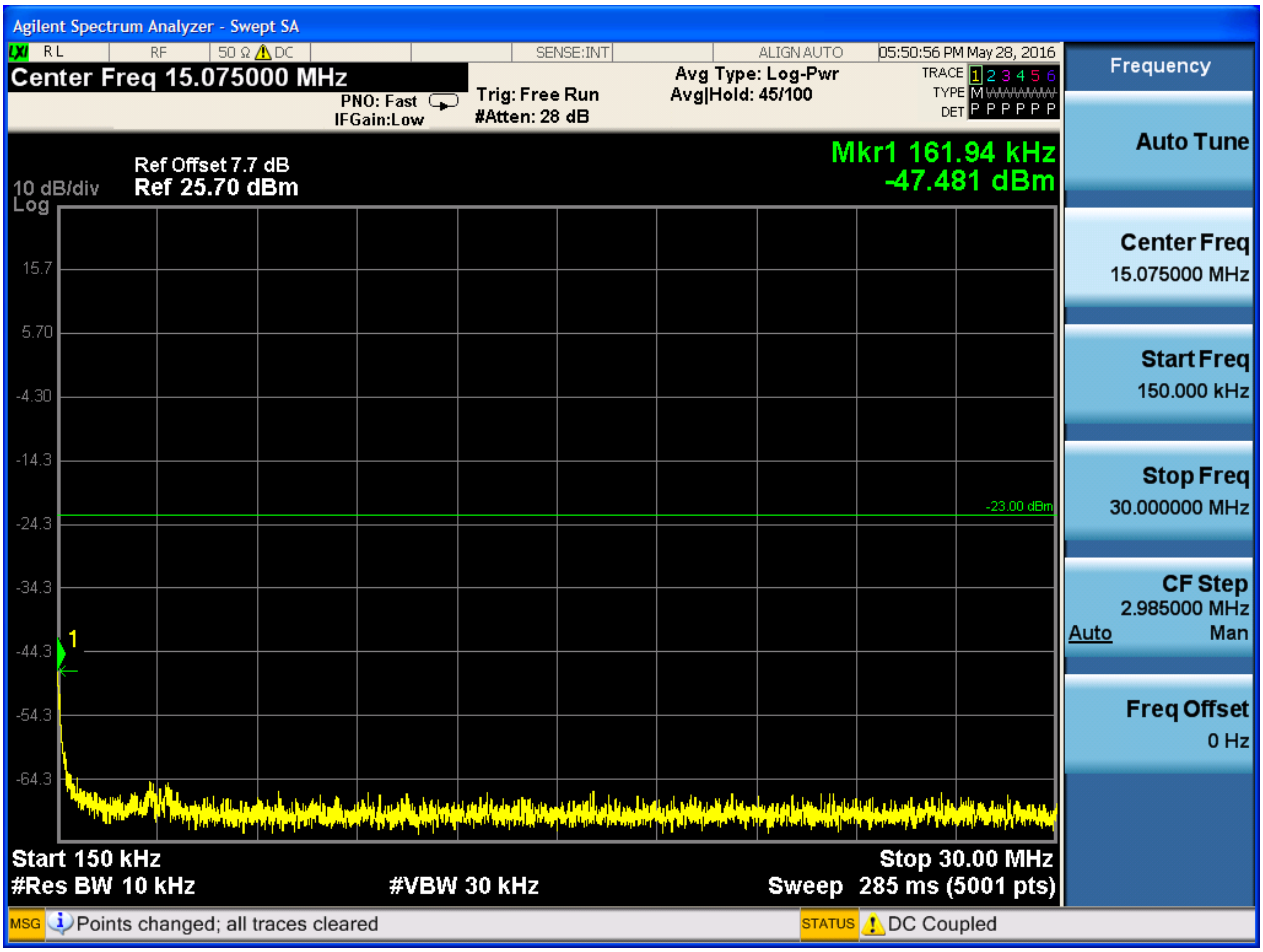


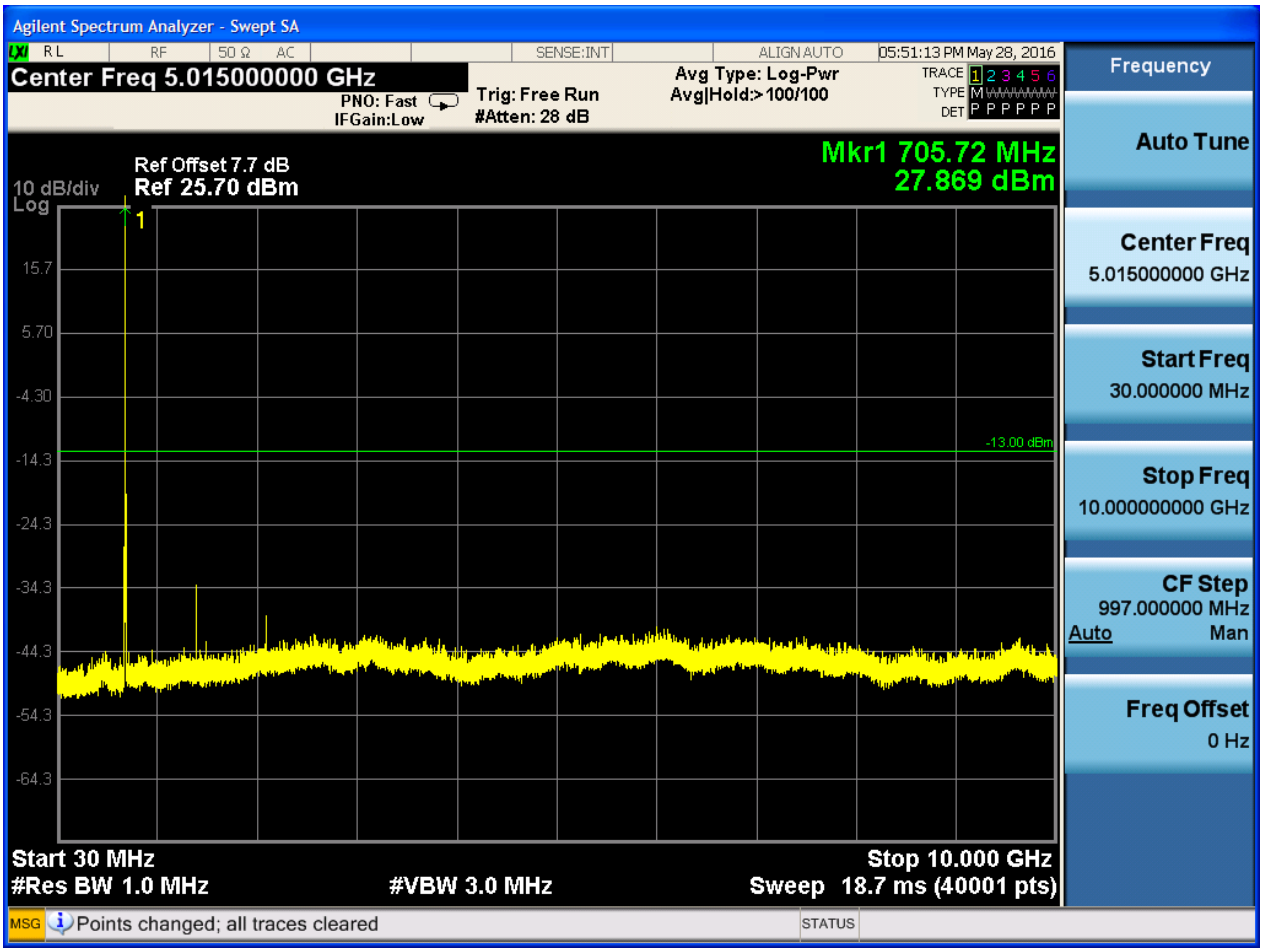


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

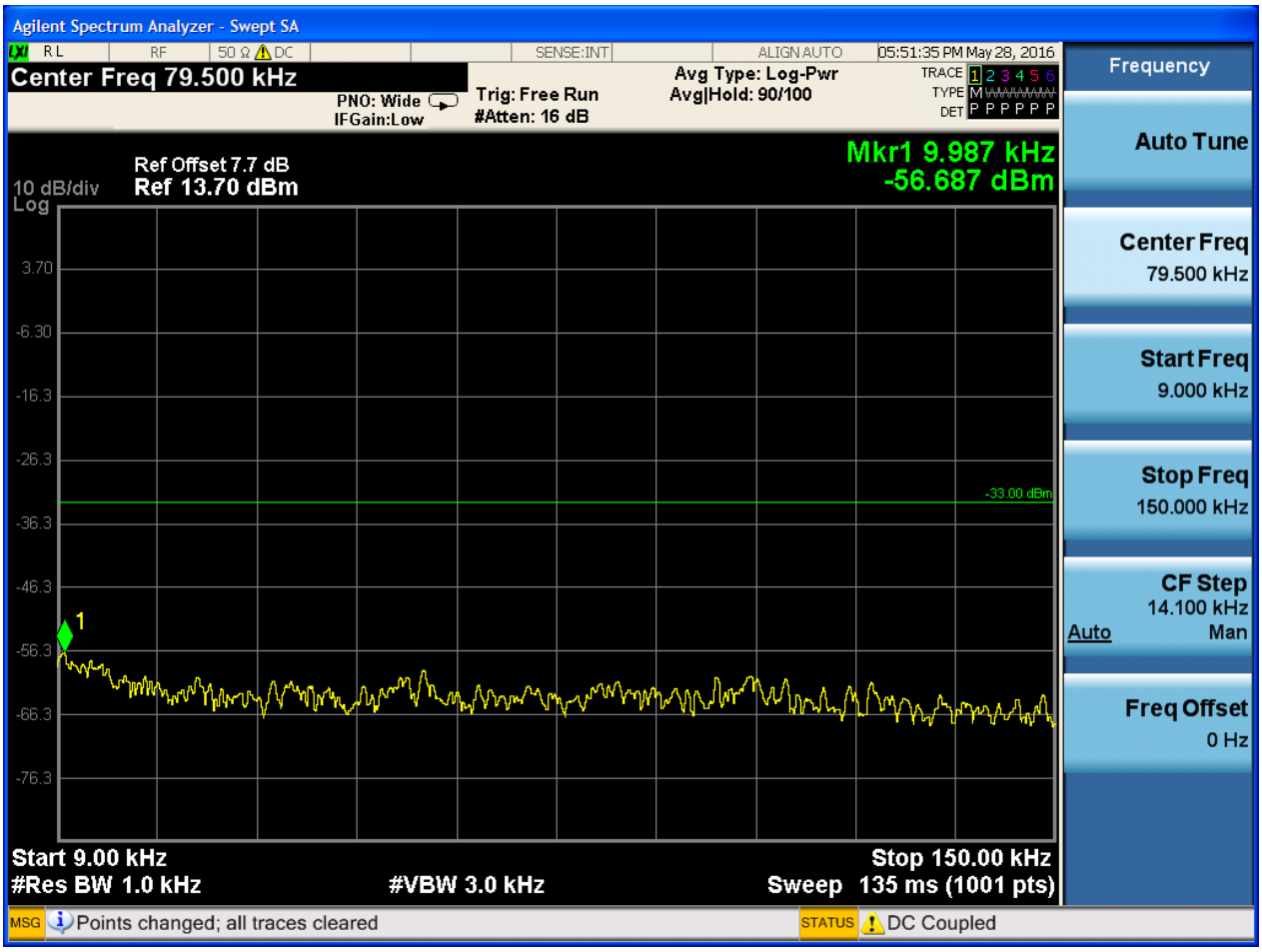


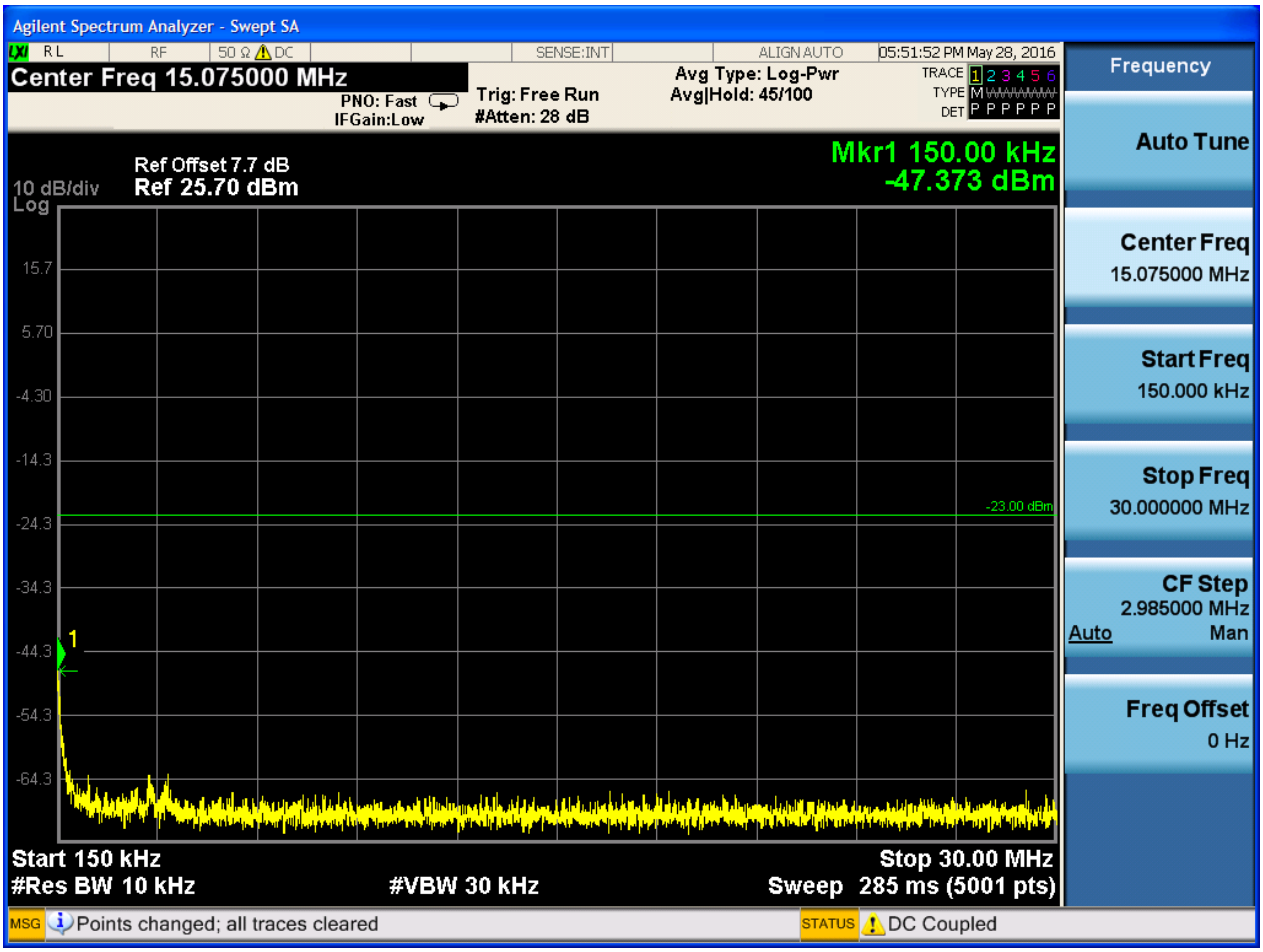


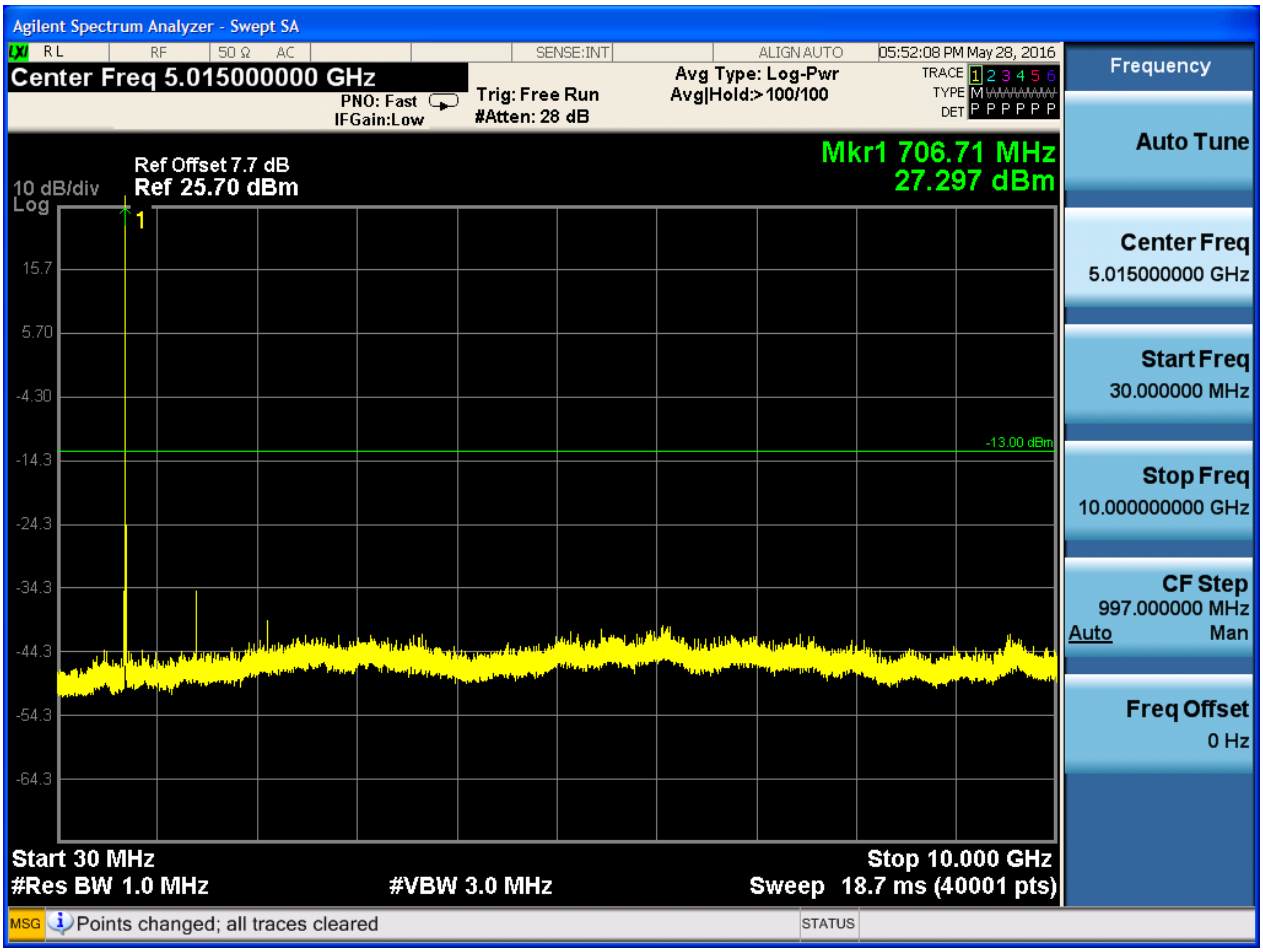


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





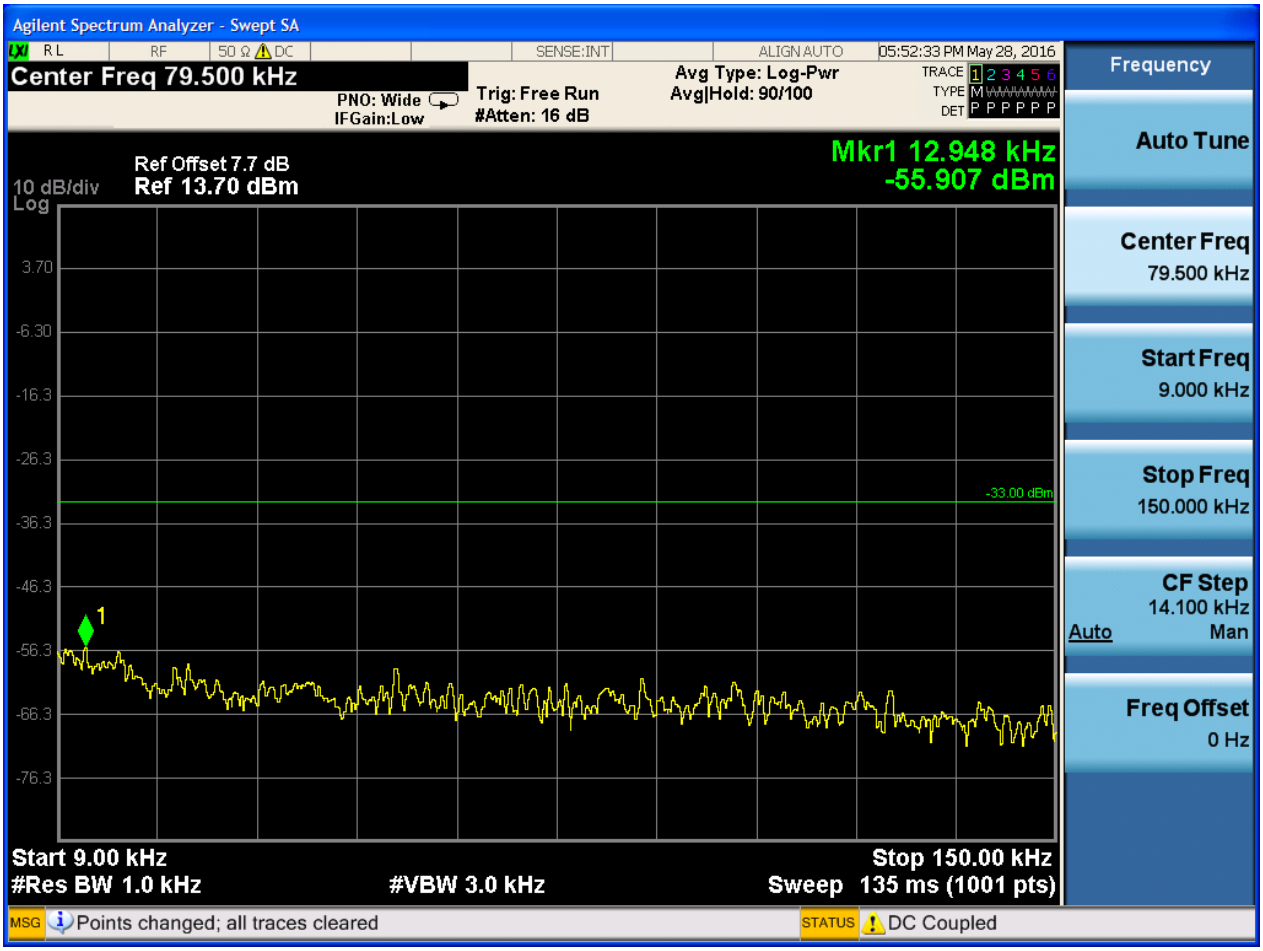


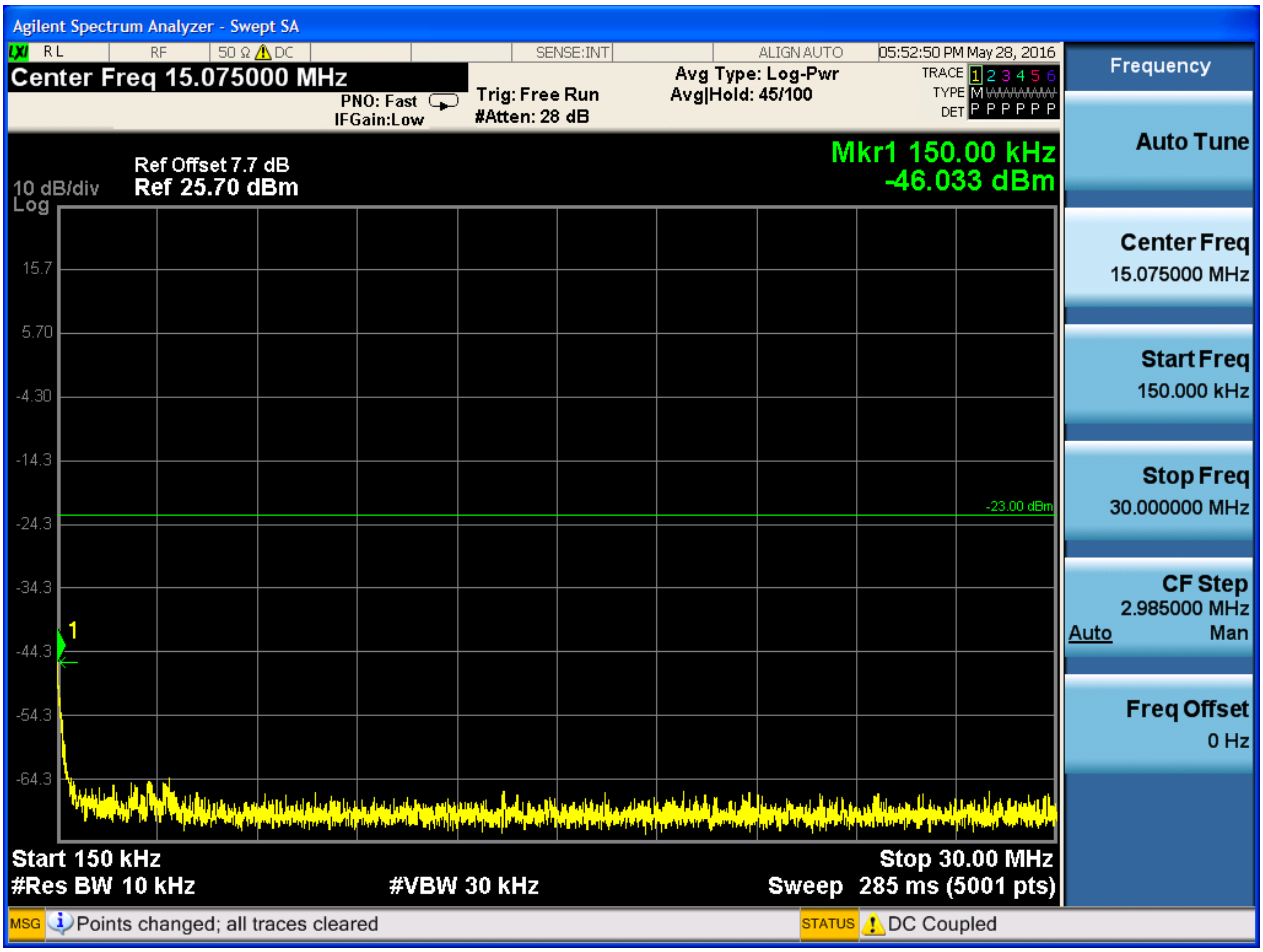
6.1.1.2 Test Mode = LTE/TM2

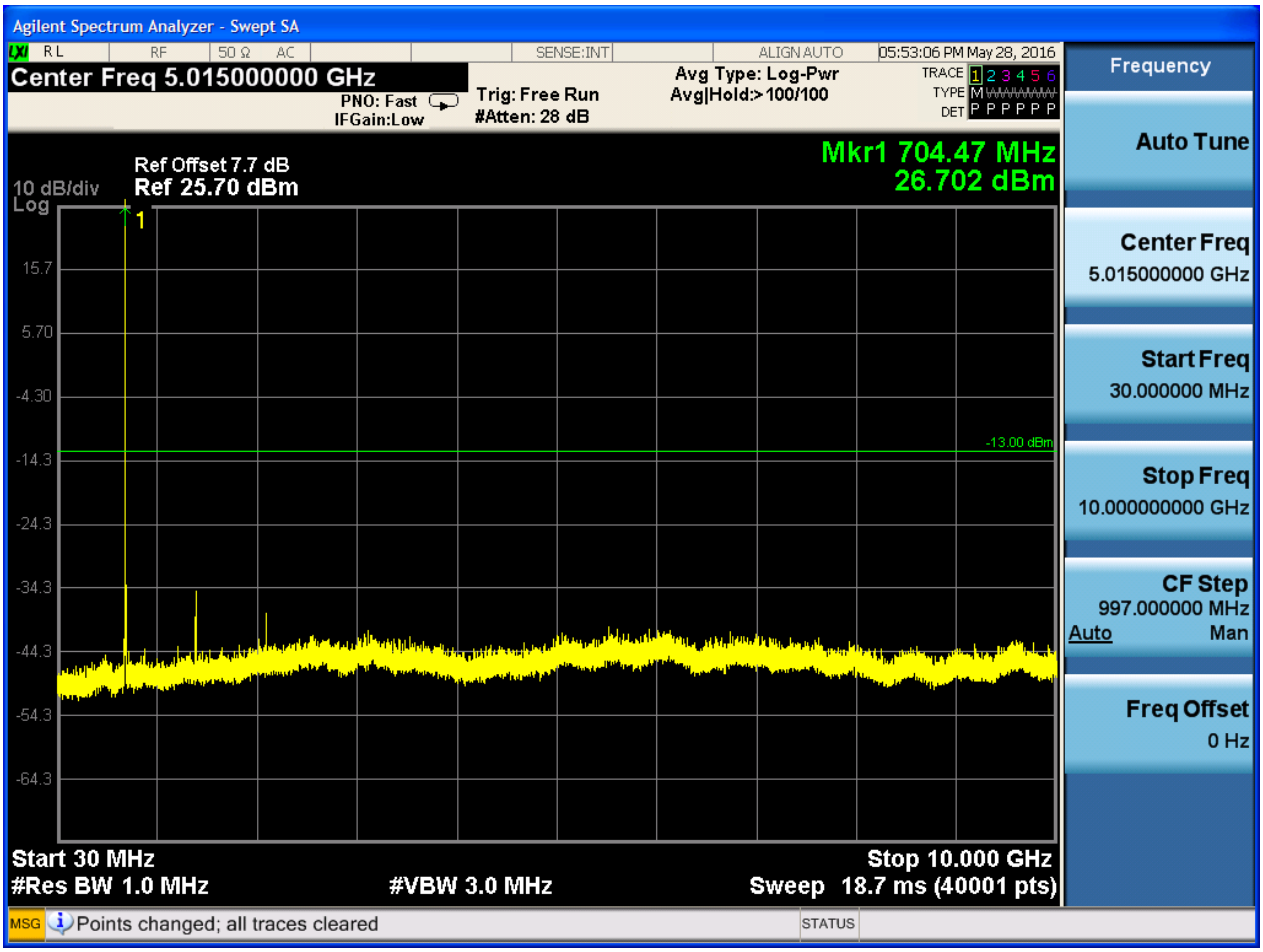
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

####### 6.1.1.2.1.1.1 Test RB = RB1#0

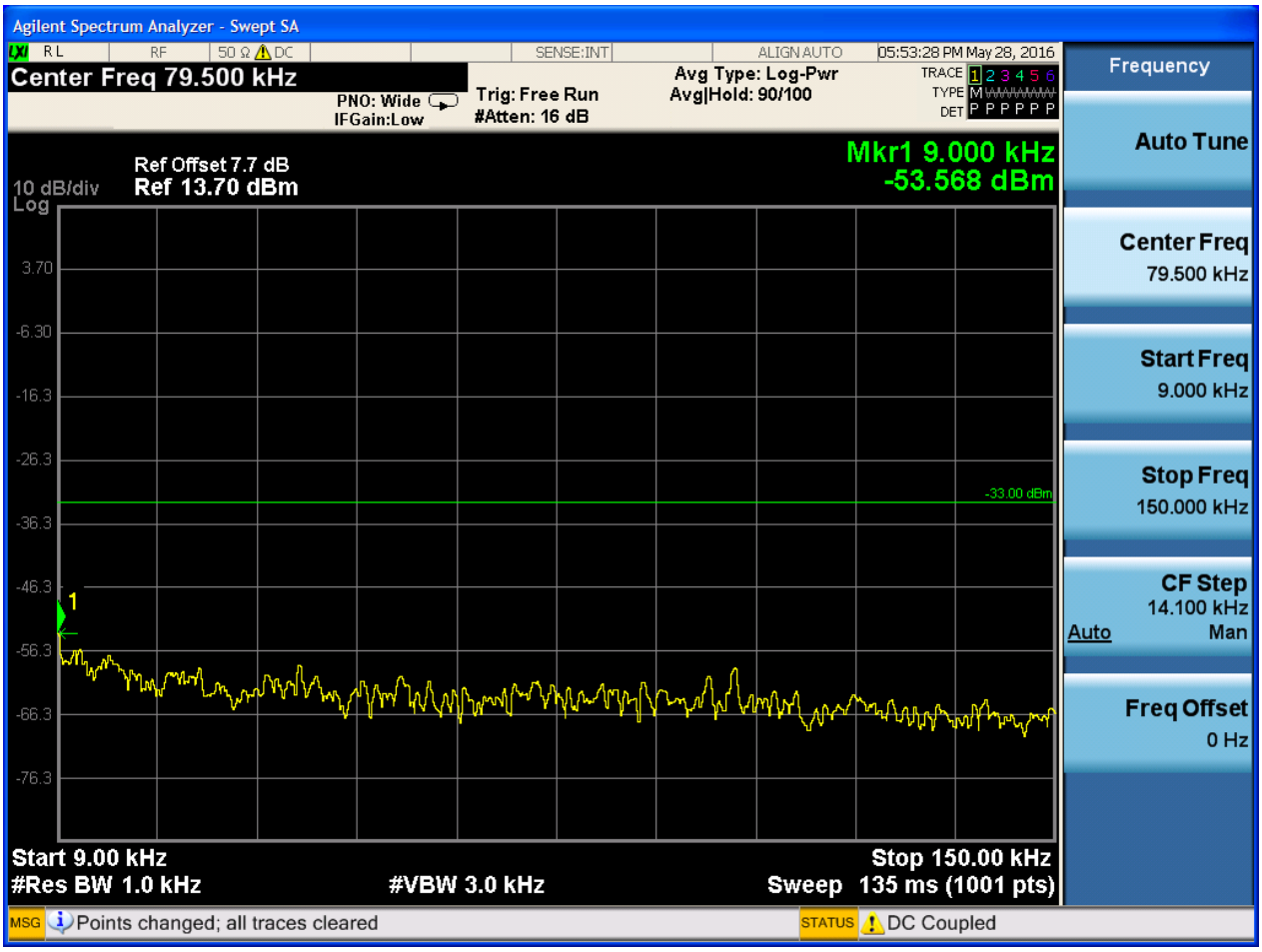


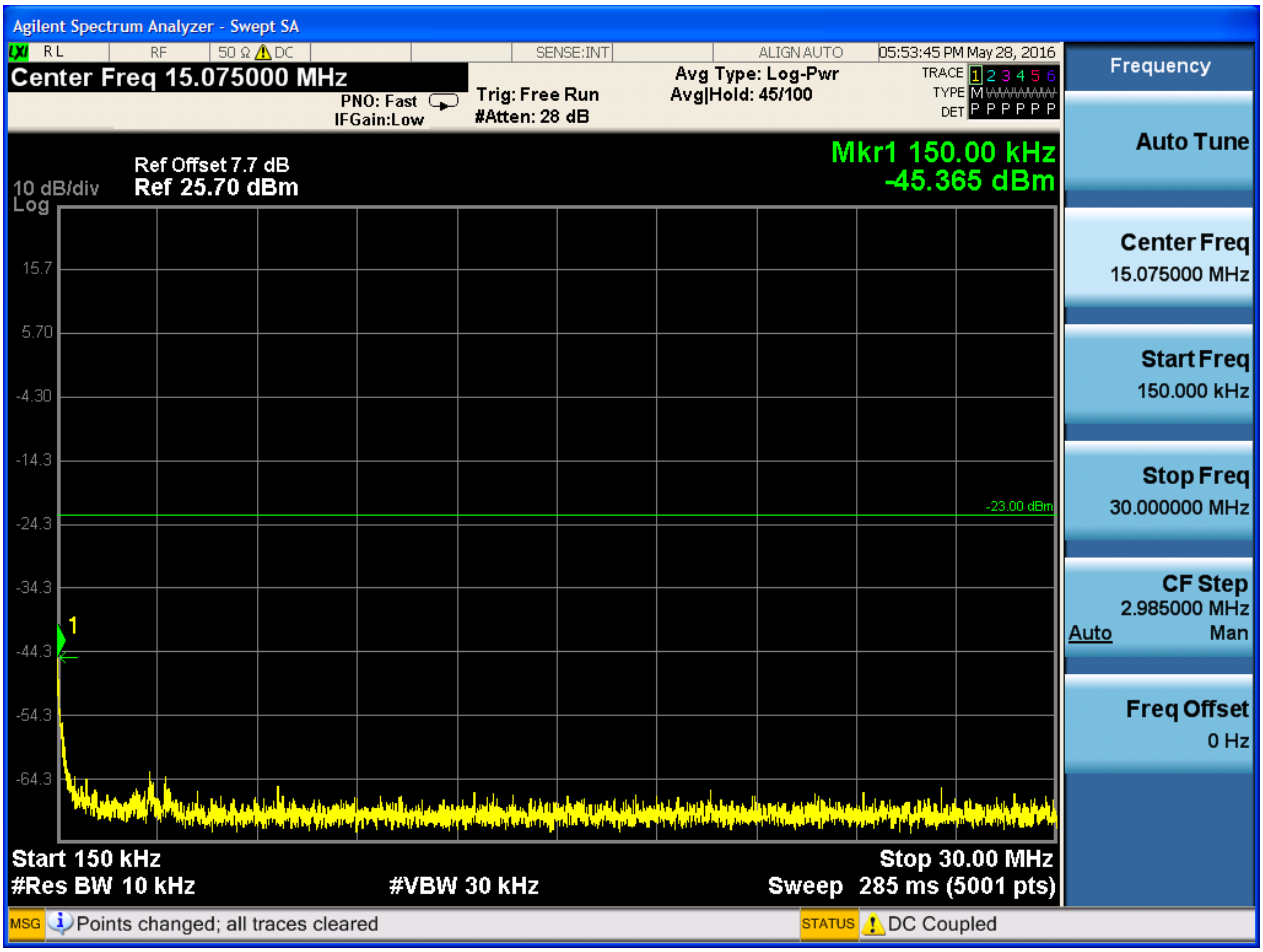


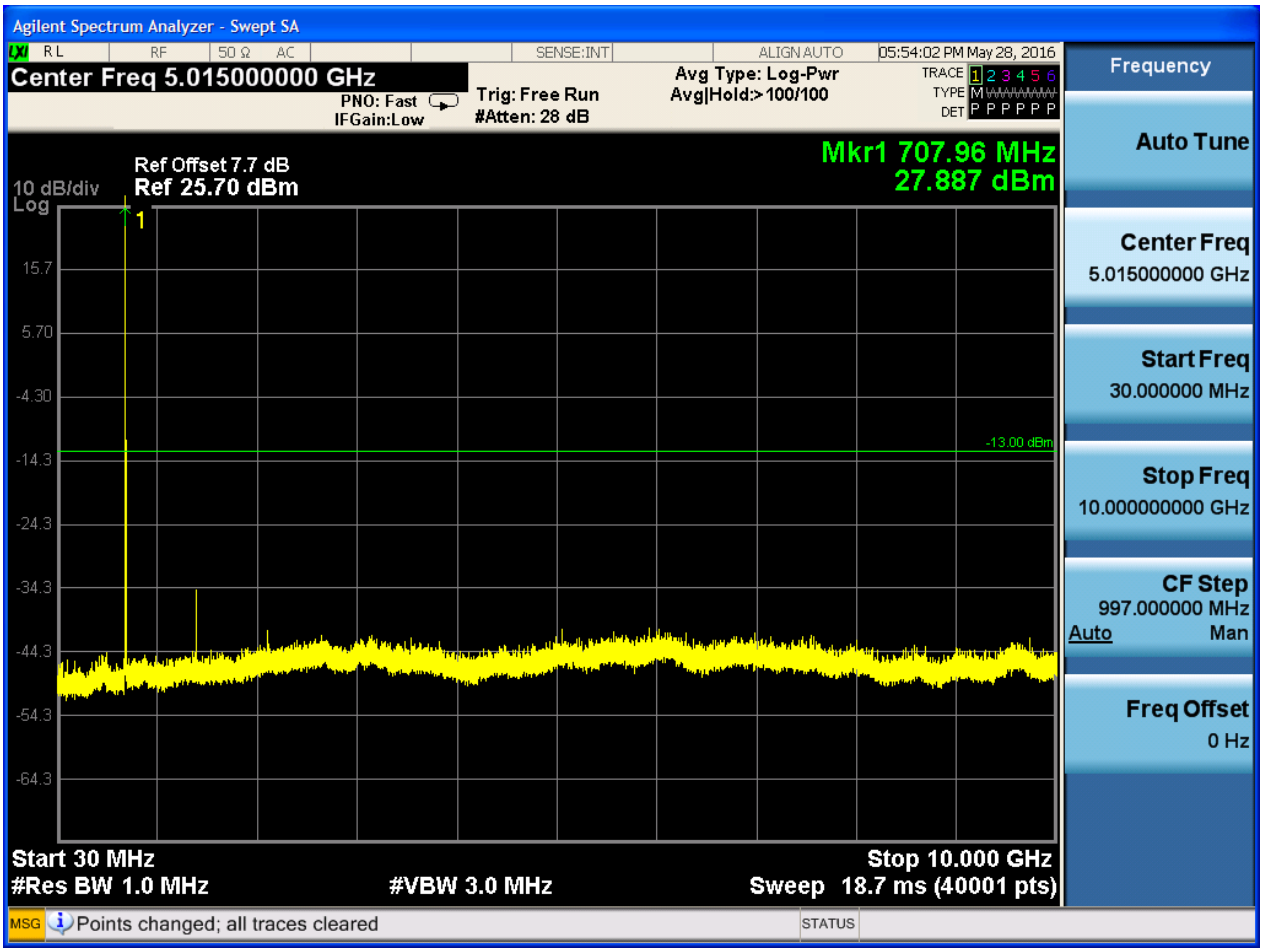


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

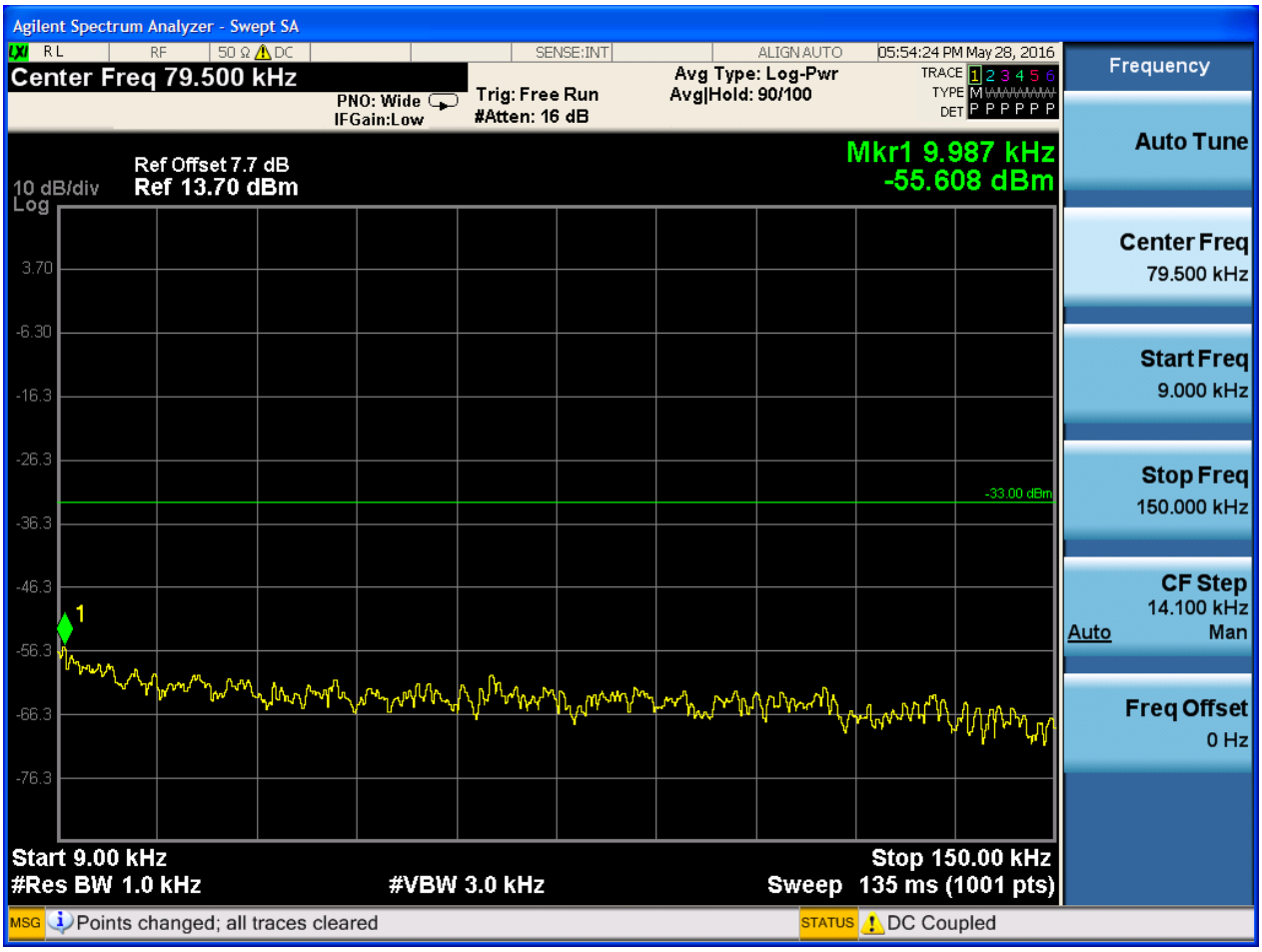


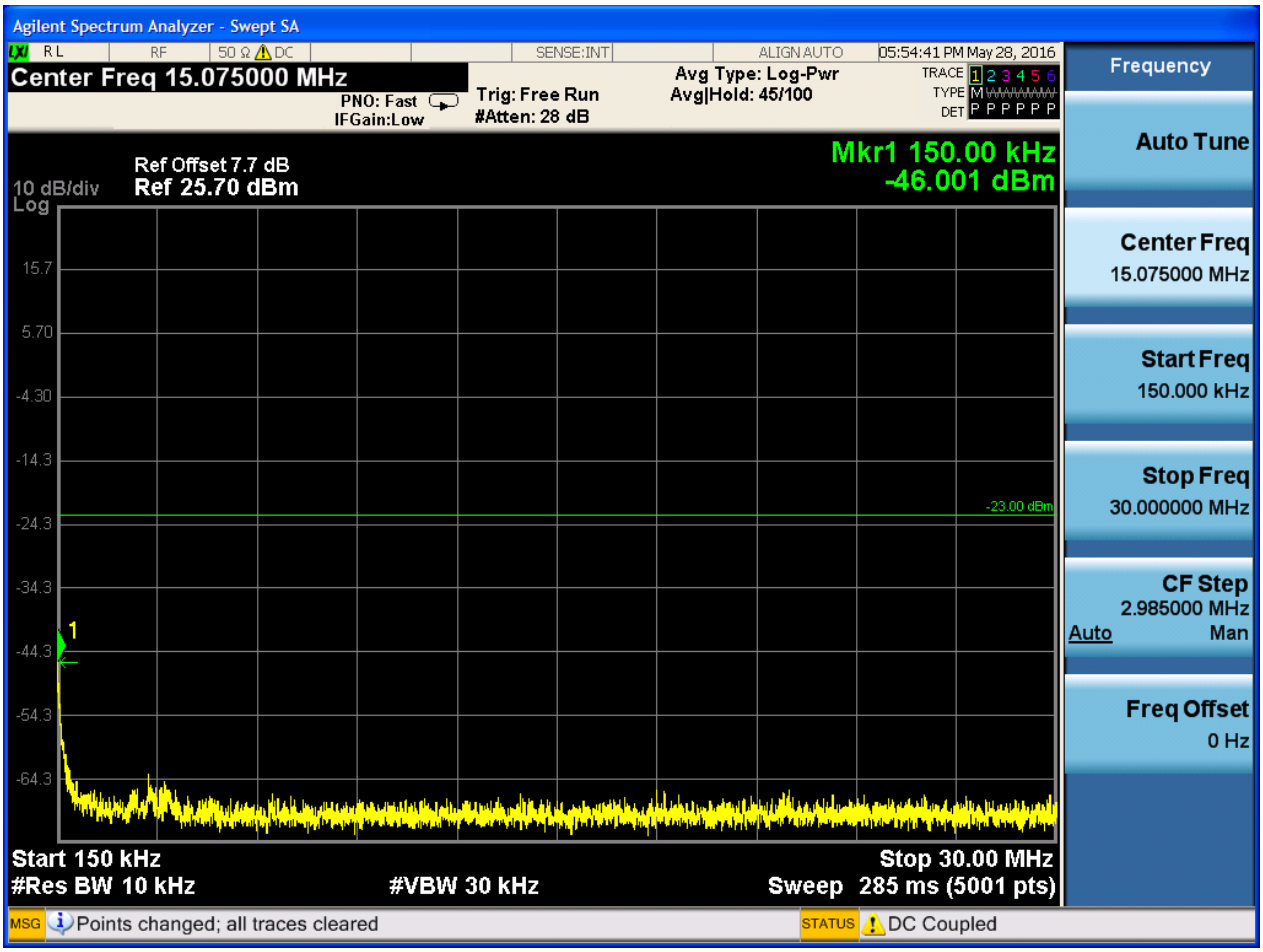


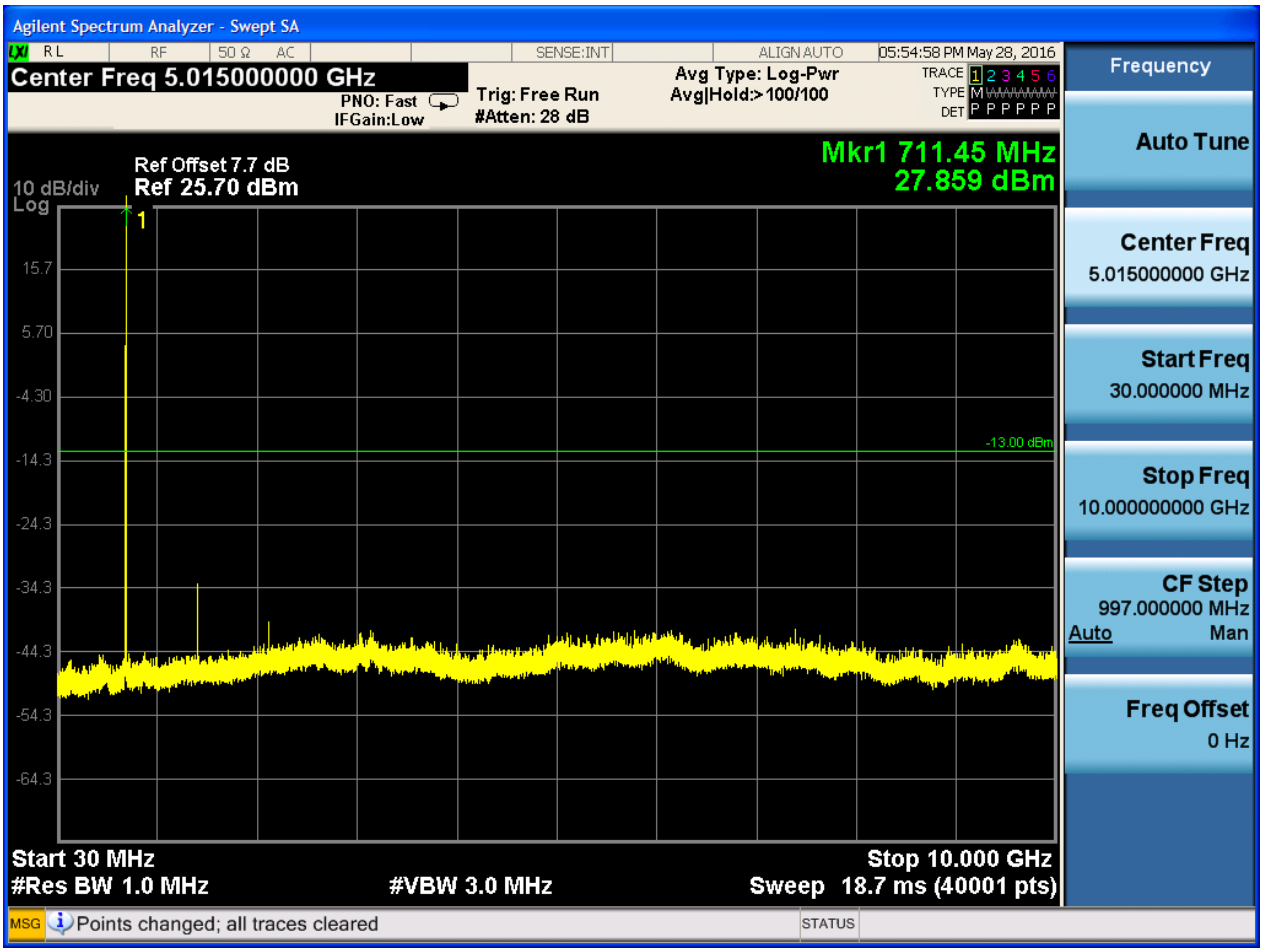


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



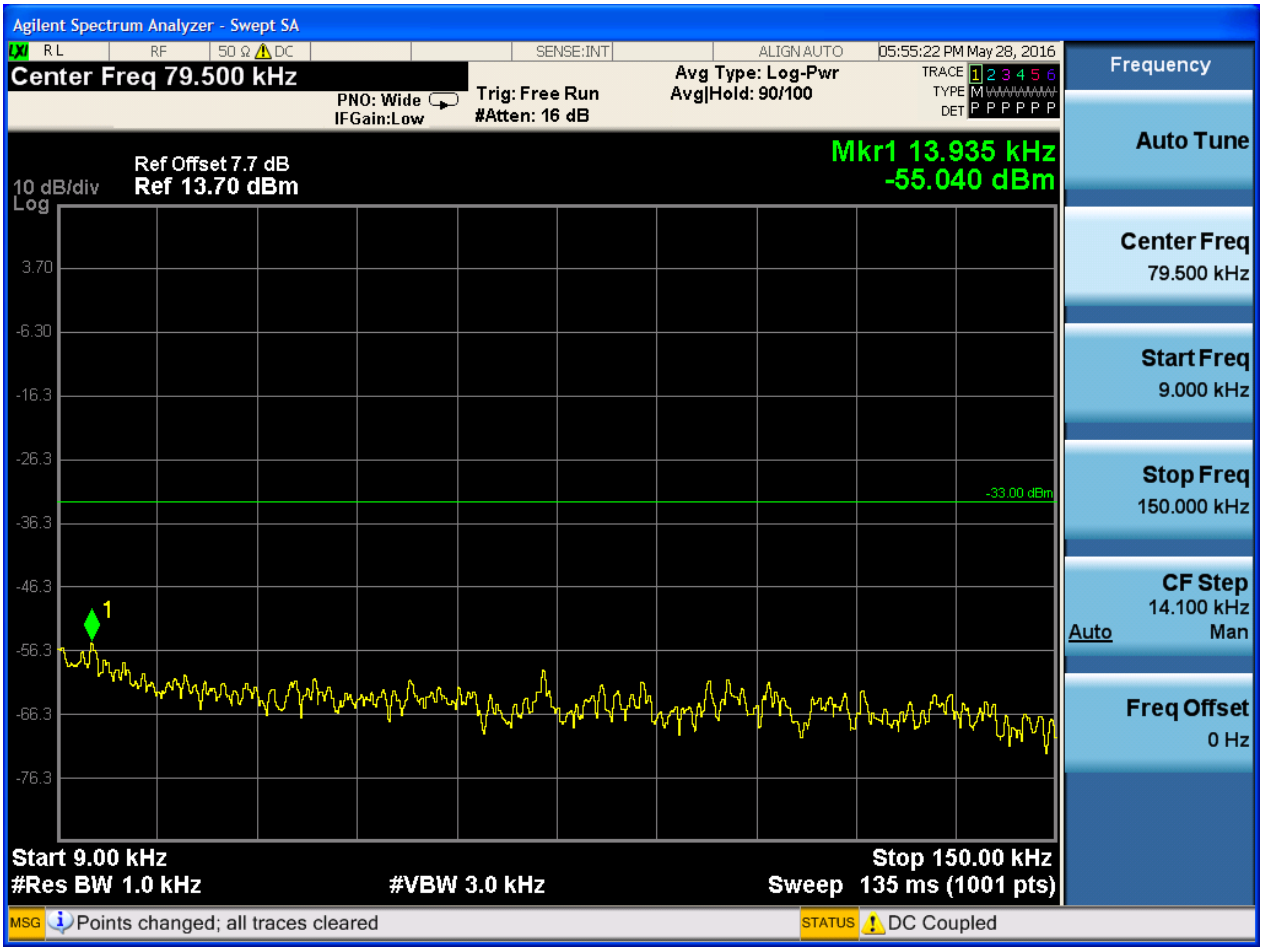


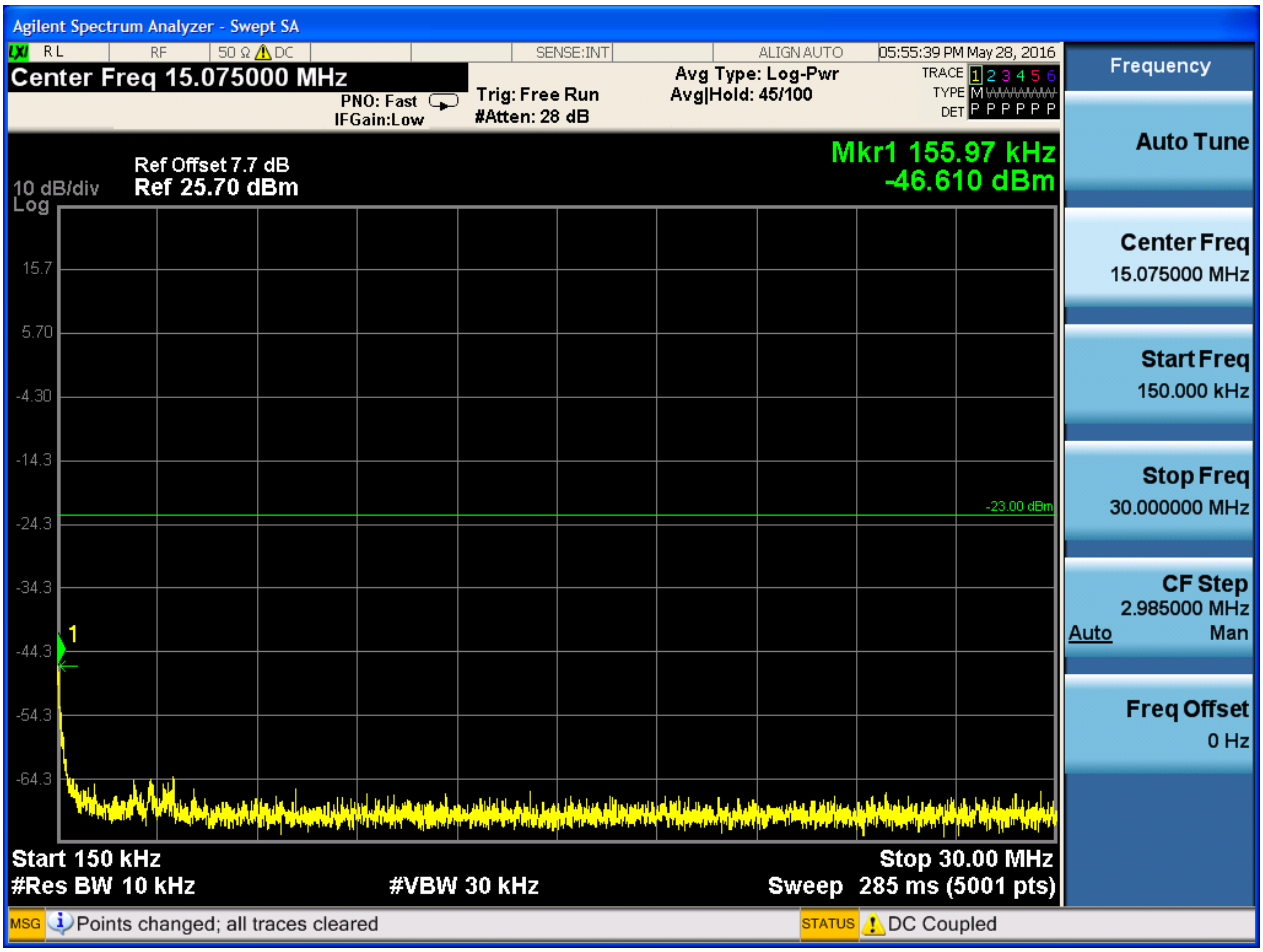


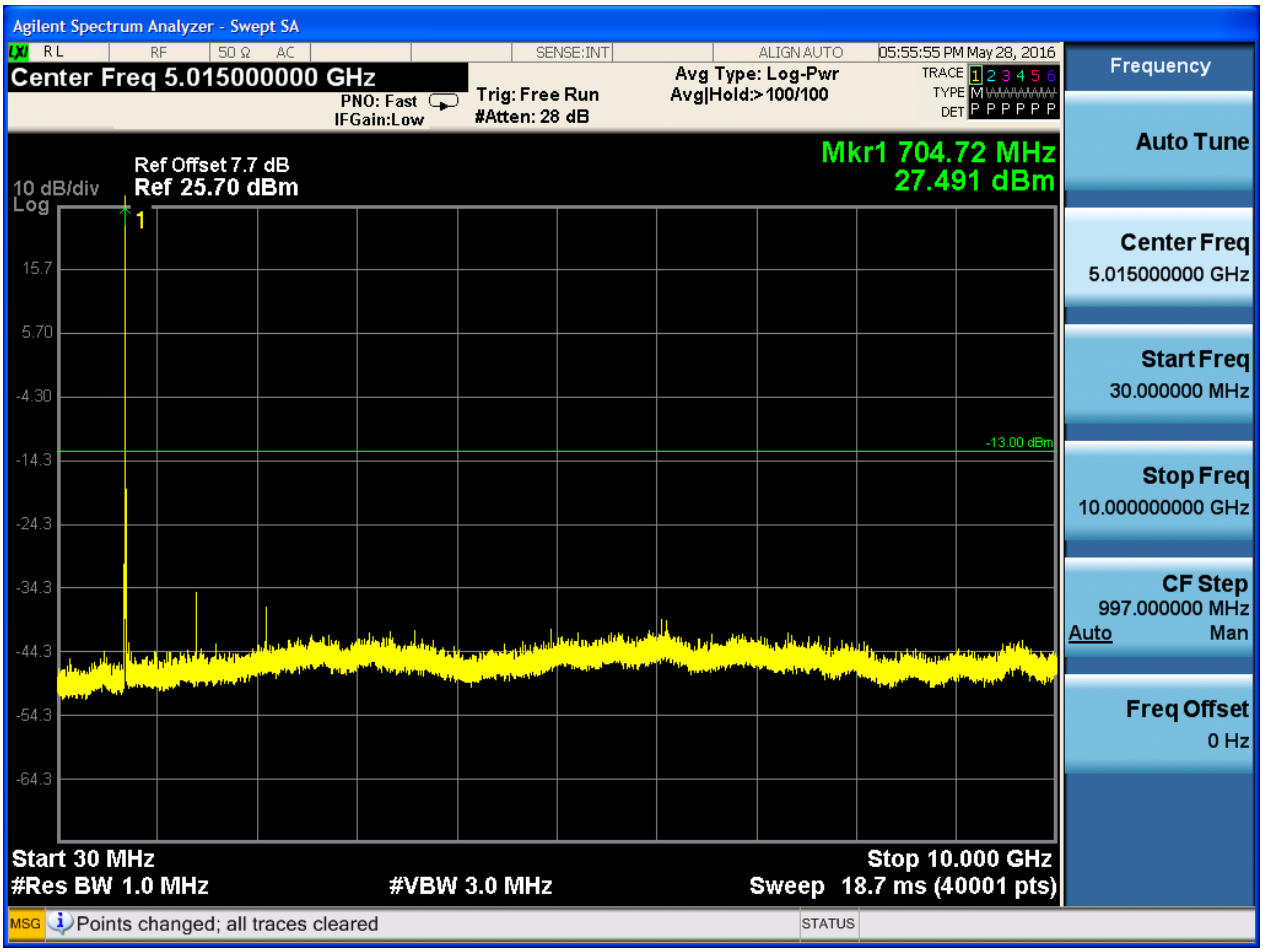
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

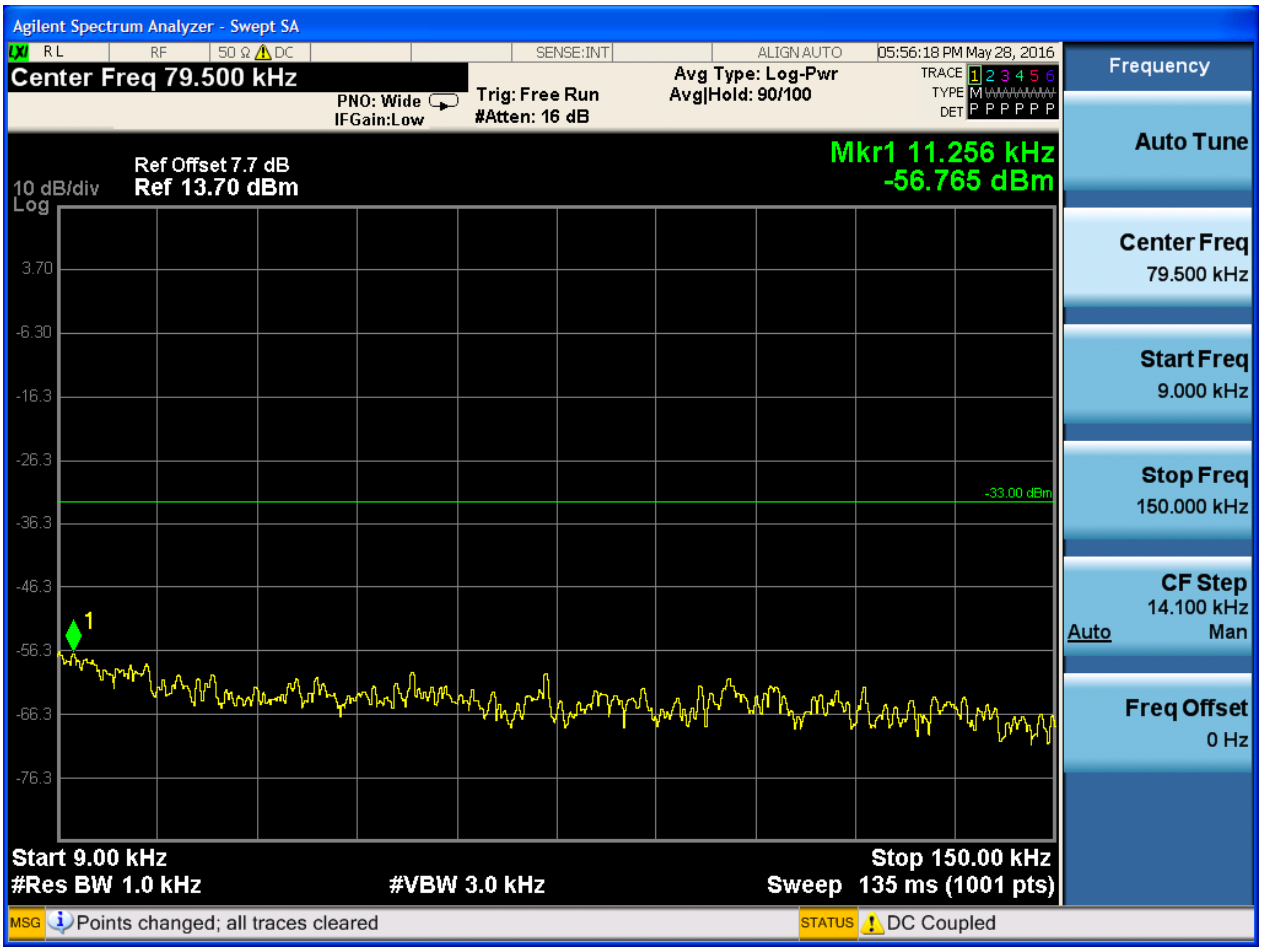


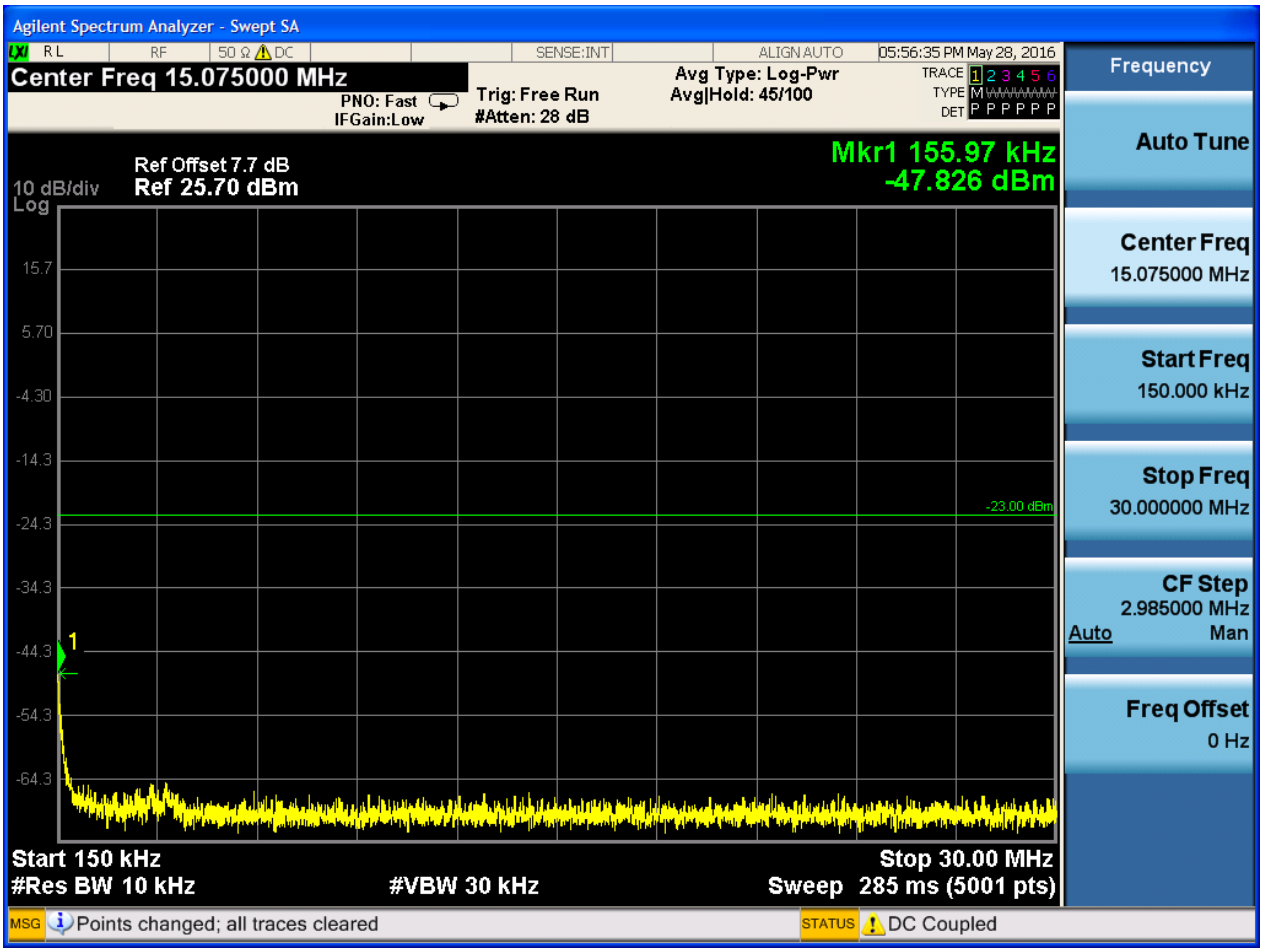


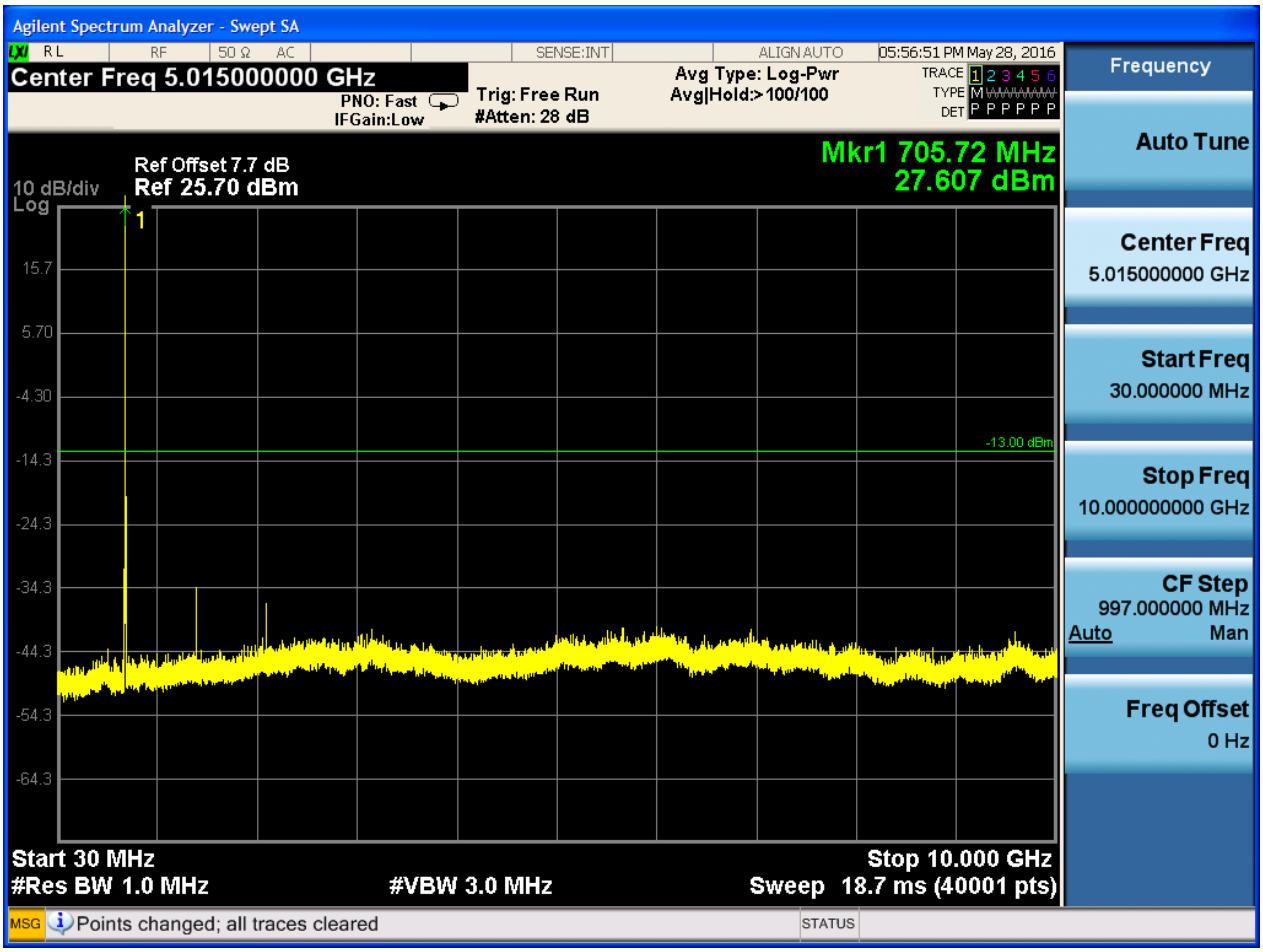


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

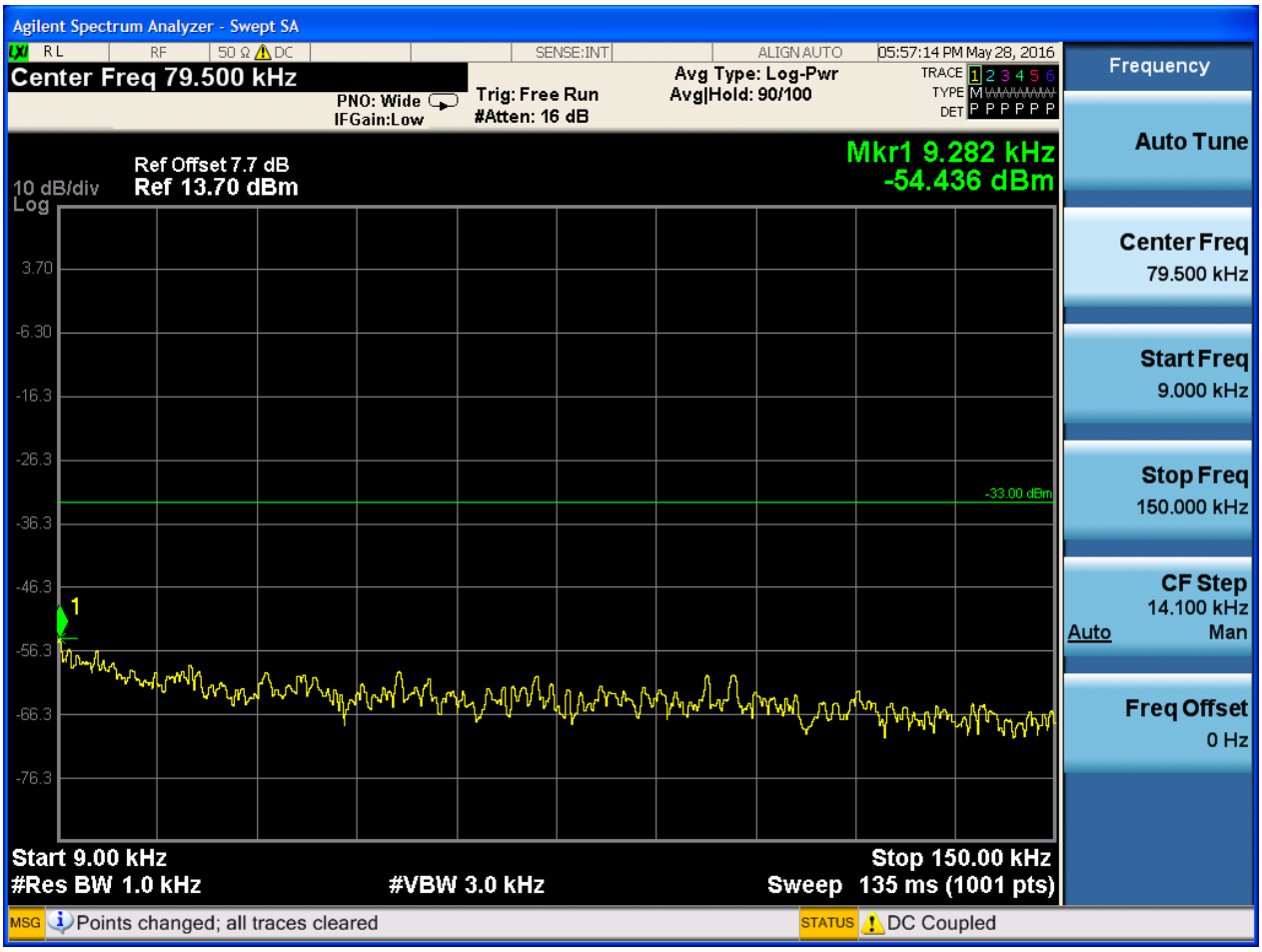


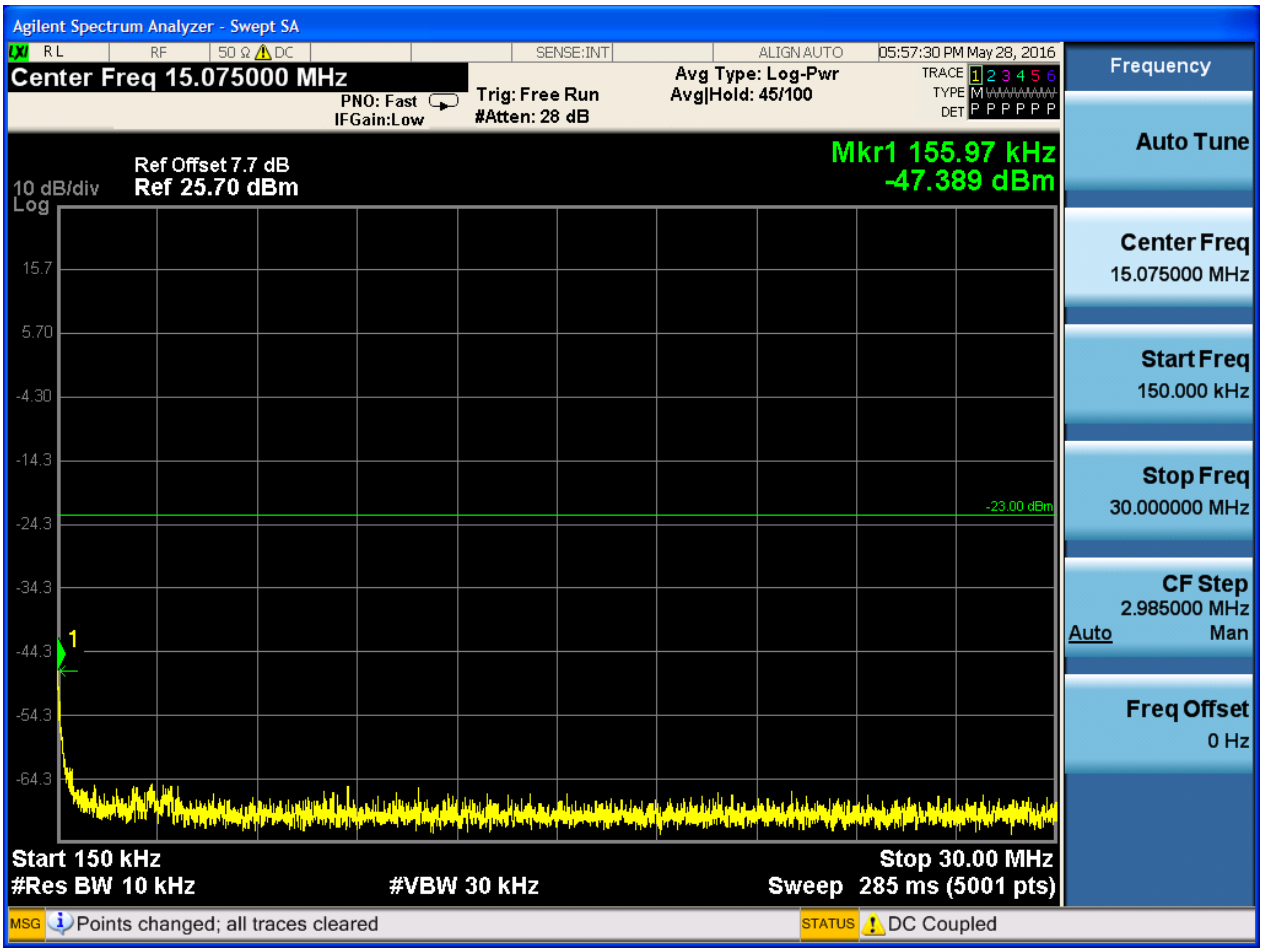


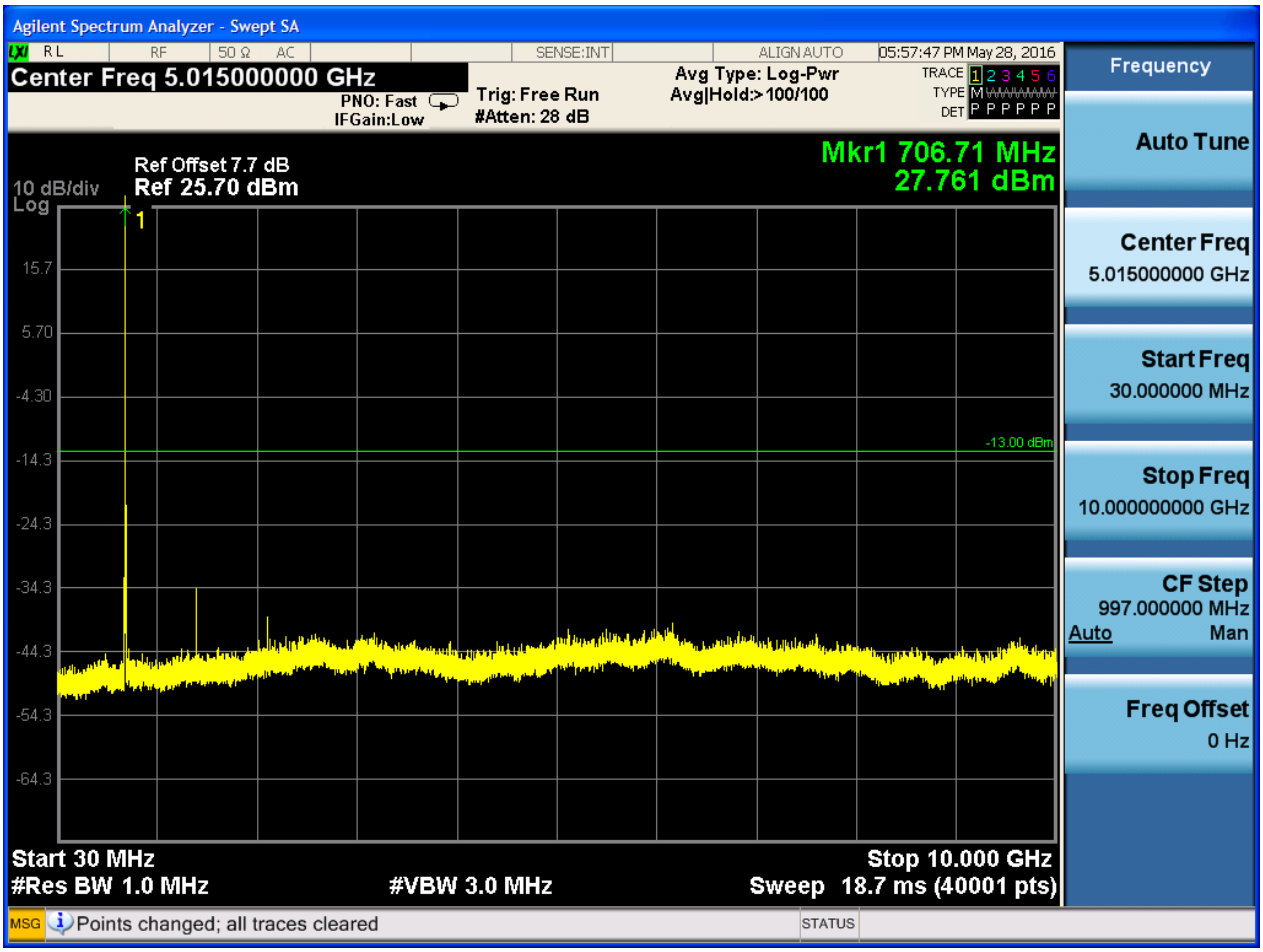


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note: 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

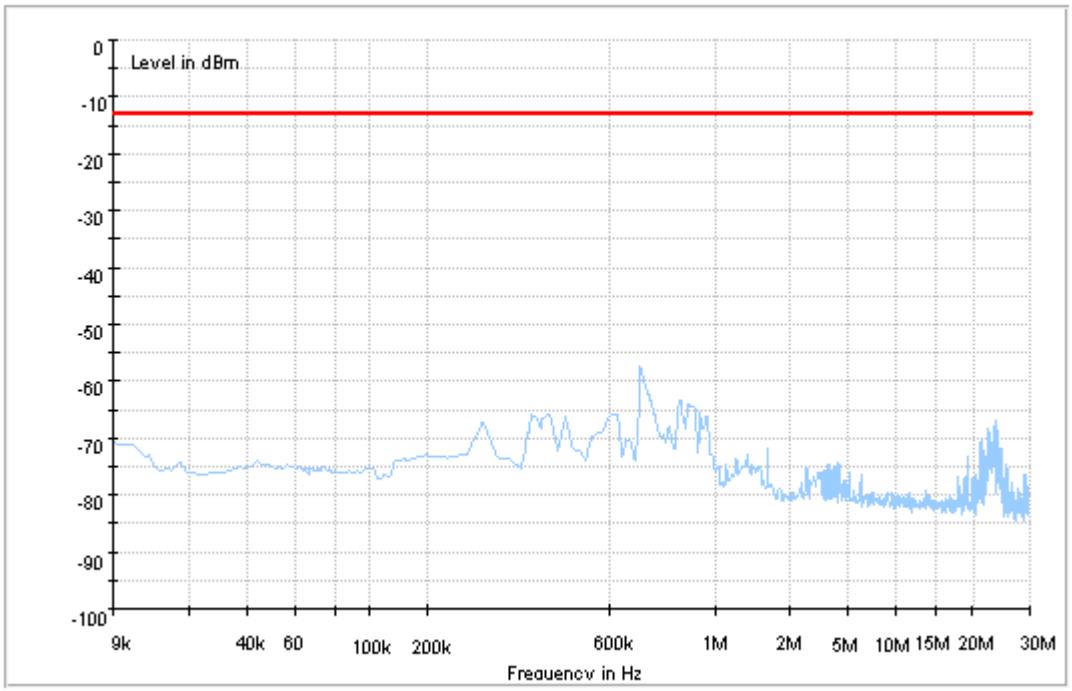
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

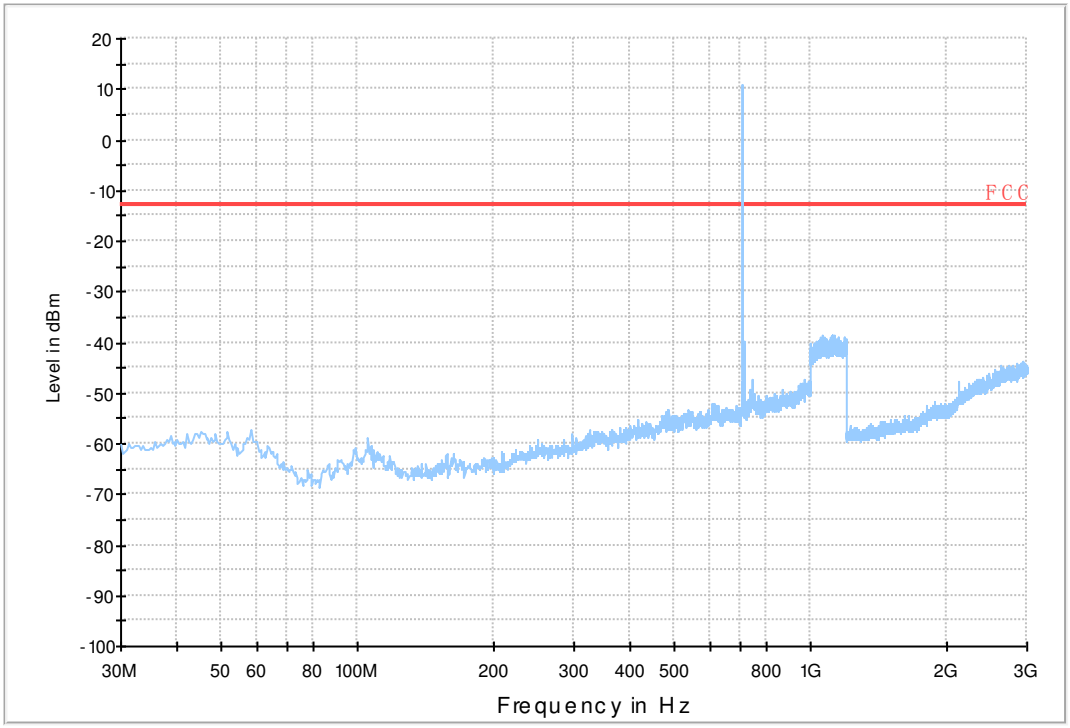
7.1 For LTE

7.1.1 Test Band = BAND17

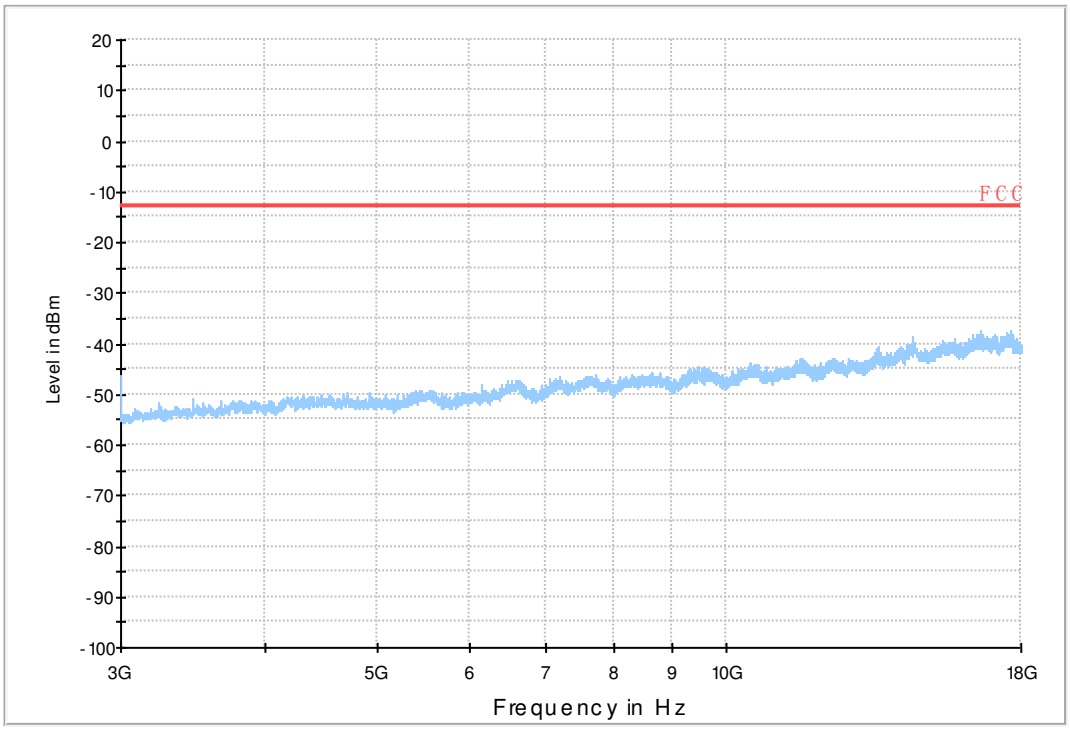
7.1.1.1 Test Bandwidth = 5



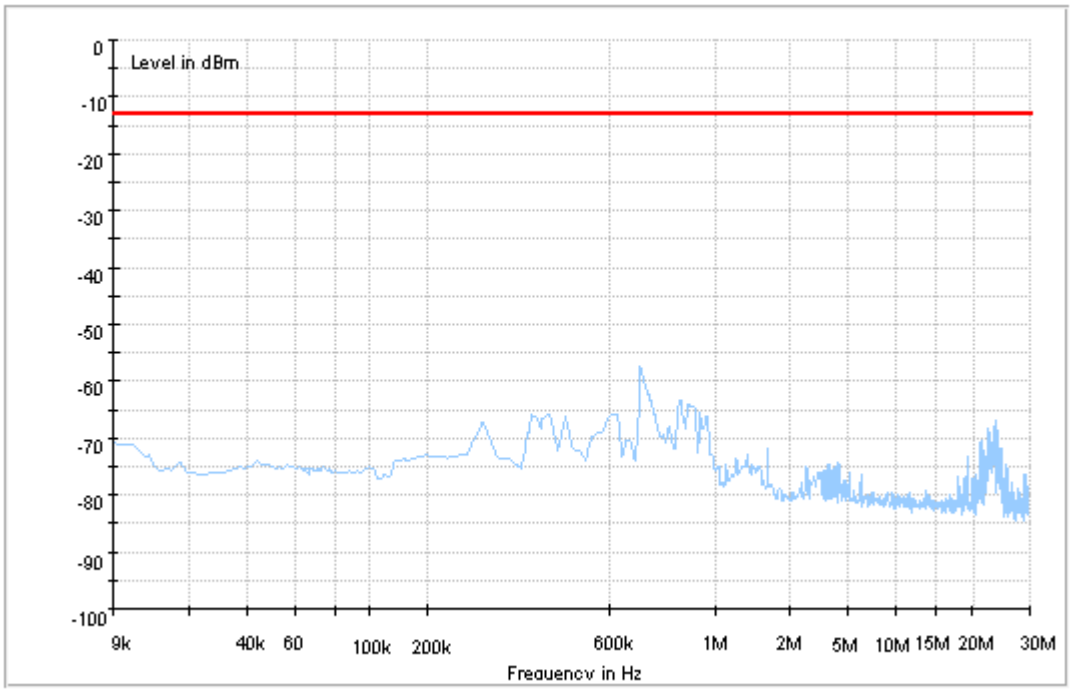
Copy of RSE-TX-DIRECTOR BELOW 1G_L



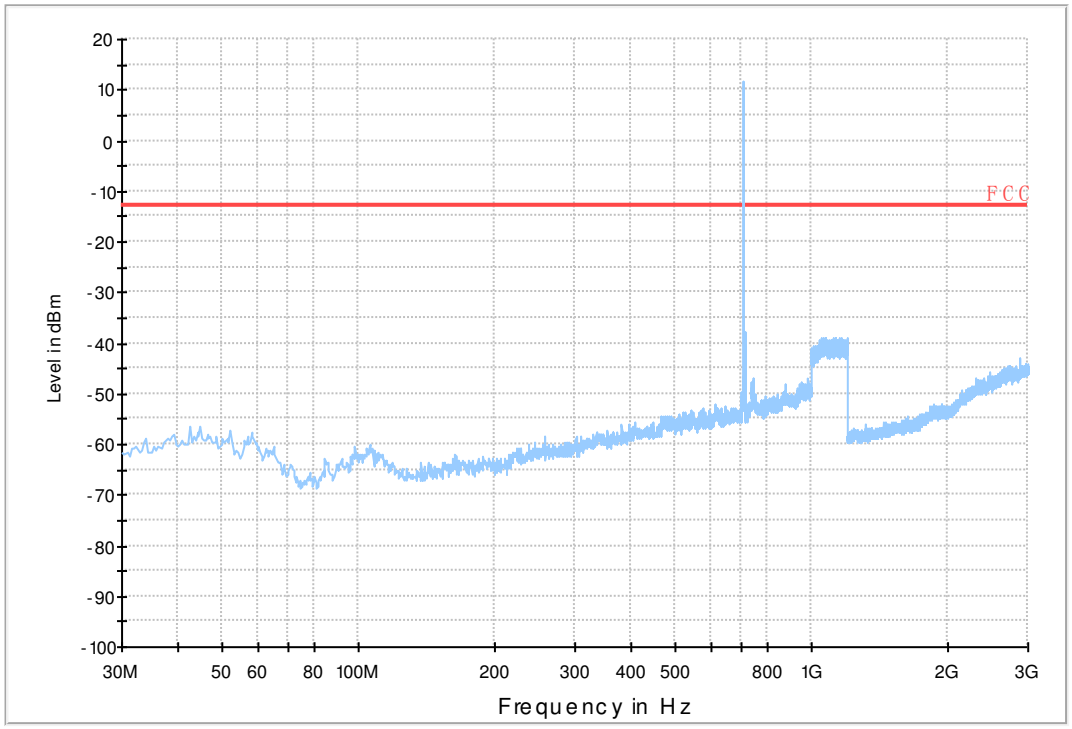
Copy of RSE-TX-DIRECTOR BELOW 1G_H



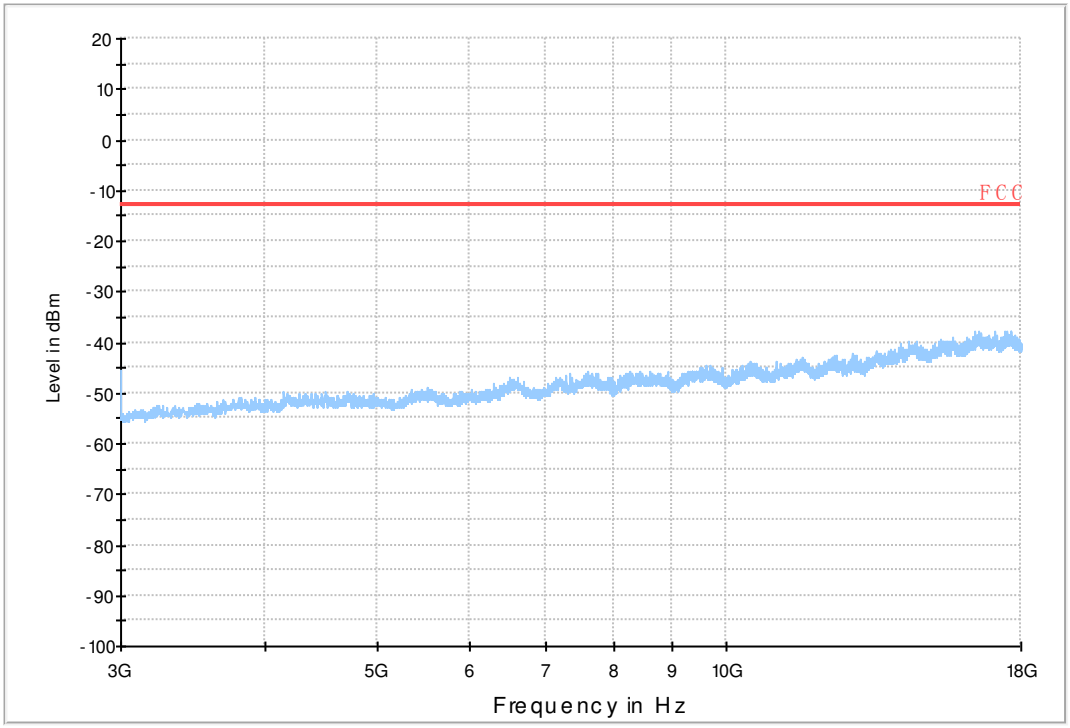
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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	0.54	0.00076	PASS
					VN	-1.16	-0.00164	PASS
					VH	-0.20	-0.00028	PASS
			MCH	TN	VL	-0.67	-0.00094	PASS
					VN	-1.04	-0.00146	PASS
					VH	-1.32	-0.00186	PASS
			HCH	TN	VL	-1.49	-0.00209	PASS
					VN	-1.16	-0.00163	PASS
					VH	-0.87	-0.00122	PASS
		10	LCH	TN	VL	-4.49	-0.00633	PASS
					VN	-4.78	-0.00674	PASS
					VH	-6.28	-0.00886	PASS
			MCH	TN	VL	-18.12	-0.02552	PASS
					VN	-15.89	-0.02238	PASS
					VH	-17.05	-0.02401	PASS
			HCH	TN	VL	-7.11	-0.01	PASS
					VN	-5.45	-0.00767	PASS
					VH	-5.18	-0.00729	PASS
	LTE/TM2	5	LCH	TN	VL	-0.23	-0.00033	PASS
					VN	-1.59	-0.00225	PASS
					VH	0.19	0.00027	PASS
			MCH	TN	VL	-1.17	-0.00165	PASS
					VN	-0.49	-0.00069	PASS
					VH	-1.39	-0.00196	PASS
			HCH	TN	VL	-0.47	-0.00066	PASS
					VN	-0.57	-0.0008	PASS
					VH	0.16	0.00022	PASS
		10	LCH	TN	VL	0.26	0.00037	PASS
					VN	0.64	0.0009	PASS
					VH	0.63	0.00089	PASS
			MCH	TN	VL	-5.25	-0.00739	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-5.68	-0.008	PASS
					VH	-5.68	-0.008	PASS
			HCH	TN	VL	0.60	0.00084	PASS
					VN	0.40	0.00056	PASS
					VH	0.30	0.00042	PASS

8.1.2Frequency 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	0.87	0.00123	PASS
					-20	-0.46	-0.00065	PASS
					-10	0.26	0.00037	PASS
					0	-0.83	-0.00117	PASS
					10	-0.31	-0.00044	PASS
					20	-0.99	-0.0014	PASS
					30	-0.62	-0.00088	PASS
					40	-0.96	-0.00136	PASS
					50	-0.66	-0.00093	PASS
			MCH	VN	-30	-0.92	-0.0013	PASS
					-20	-0.80	-0.00113	PASS
					-10	0.00	0	PASS
					0	-0.74	-0.00104	PASS
					10	-0.36	-0.00051	PASS
					20	-0.80	-0.00113	PASS
					30	-0.24	-0.00034	PASS
					40	-0.23	-0.00032	PASS
					50	-1.42	-0.002	PASS
			HCH	VN	-30	0.10	0.00014	PASS
					-20	0.07	0.0001	PASS
					-10	0.64	0.0009	PASS
					0	0.14	0.0002	PASS
					10	0.19	0.00027	PASS
					20	-0.17	-0.00024	PASS
					30	0.04	0.00006	PASS
					40	-0.20	-0.00028	PASS
					50	0.49	0.00069	PASS
		10	LCH	VN	-30	-3.56	-0.00502	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt..	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-3.13	-0.00441	PASS
					-10	-4.51	-0.00636	PASS
					0	-4.66	-0.00657	PASS
					10	-4.32	-0.00609	PASS
					20	-4.65	-0.00656	PASS
					30	-2.93	-0.00413	PASS
					40	-2.66	-0.00375	PASS
					50	-4.32	-0.00609	PASS
			MCH	VN	-30	-21.97	-0.03094	PASS
					-20	-23.66	-0.03332	PASS
					-10	-24.40	-0.03437	PASS
					0	-26.88	-0.03786	PASS
					10	-26.52	-0.03735	PASS
					20	-26.69	-0.03759	PASS
					30	-26.09	-0.03675	PASS
					40	-26.56	-0.03741	PASS
					50	-27.95	-0.03937	PASS
			HCH	VN	-30	-5.95	-0.00837	PASS
					-20	-6.49	-0.00913	PASS
					-10	-5.72	-0.00805	PASS
					0	-5.48	-0.00771	PASS
					10	-5.29	-0.00744	PASS
					20	-5.22	-0.00734	PASS
					30	-6.24	-0.00878	PASS
					40	-6.27	-0.00882	PASS
					50	-6.01	-0.00845	PASS
	LTE/TM2	5	LCH	VN	-30	-0.13	-0.00018	PASS
					-20	-1.44	-0.00204	PASS
					-10	-0.67	-0.00095	PASS
					0	-1.06	-0.0015	PASS
					10	-0.86	-0.00122	PASS
					20	0.03	0.00004	PASS
					30	-1.07	-0.00151	PASS
					40	-0.56	-0.00079	PASS
					50	-1.63	-0.00231	PASS
			MCH	VN	-30	-0.24	-0.00034	PASS
					-20	0.41	0.00058	PASS
					-10	0.29	0.00041	PASS
					0	-0.51	-0.00072	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt..	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-0.09	-0.00013	PASS
					20	-0.36	-0.00051	PASS
					30	-0.21	-0.0003	PASS
					40	-0.14	-0.0002	PASS
					50	-0.30	-0.00042	PASS
			HCH	VN	-30	-0.99	-0.00139	PASS
					-20	-0.06	-0.00008	PASS
					-10	0.56	0.00078	PASS
					0	-0.20	-0.00028	PASS
					10	-0.57	-0.0008	PASS
					20	-0.13	-0.00018	PASS
					30	-1.29	-0.00181	PASS
					40	0.04	0.00006	PASS
					50	1.50	0.0021	PASS
		10	LCH	VN	-30	0.46	0.00065	PASS
					-20	-0.21	-0.0003	PASS
					-10	0.84	0.00118	PASS
					0	-0.47	-0.00066	PASS
					10	0.34	0.00048	PASS
					20	1.14	0.00161	PASS
					30	1.36	0.00192	PASS
					40	0.83	0.00117	PASS
					50	1.77	0.0025	PASS
			MCH	VN	-30	-1.70	-0.00239	PASS
					-20	-0.23	-0.00032	PASS
					-10	-2.30	-0.00324	PASS
					0	-1.73	-0.00244	PASS
					10	0.19	0.00027	PASS
					20	-0.37	-0.00052	PASS
					30	-2.75	-0.00387	PASS
					40	-1.49	-0.0021	PASS
					50	-1.44	-0.00203	PASS
			HCH	VN	-30	-0.07	-0.0001	PASS
					-20	1.19	0.00167	PASS
					-10	-0.43	-0.0006	PASS
					0	1.00	0.00141	PASS
					10	-0.43	-0.0006	PASS
					20	0.16	0.00023	PASS
					30	0.37	0.00052	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt..	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	0.69	0.00097	PASS
					50	-0.11	-0.00015	PASS

END