



Appendix for Test report

1Appendix_A: Transmit Output Power Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
BC0	CDMA/1X/TM1	LCH	24.64	23.46	38.5	PASS
		MCH	24.51	23.37	38.5	PASS
		HCH	24.39	23.45	38.5	PASS
	CDMA/1X/TM3	LCH	24.76	23.62	38.5	PASS
		MCH	24.64	23.47	38.5	PASS
		HCH	24.25	23.36	38.5	PASS

Note1:

a: Detector: RMS

b, 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,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

c, SGP=Signal Generator Level

Note2: RBW > emission bandwidth, VBW > 3 x RBW.

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
BC0	CDMA/1X/TM1	LCH	4.29	13	PASS
		MCH	4.29	13	PASS
		HCH	4.31	13	PASS
	CDMA/1X/TM3	LCH	3.85	13	PASS
		MCH	3.77	13	PASS
		HCH	3.85	13	PASS

3Appendix_C: Modulation Characteristics

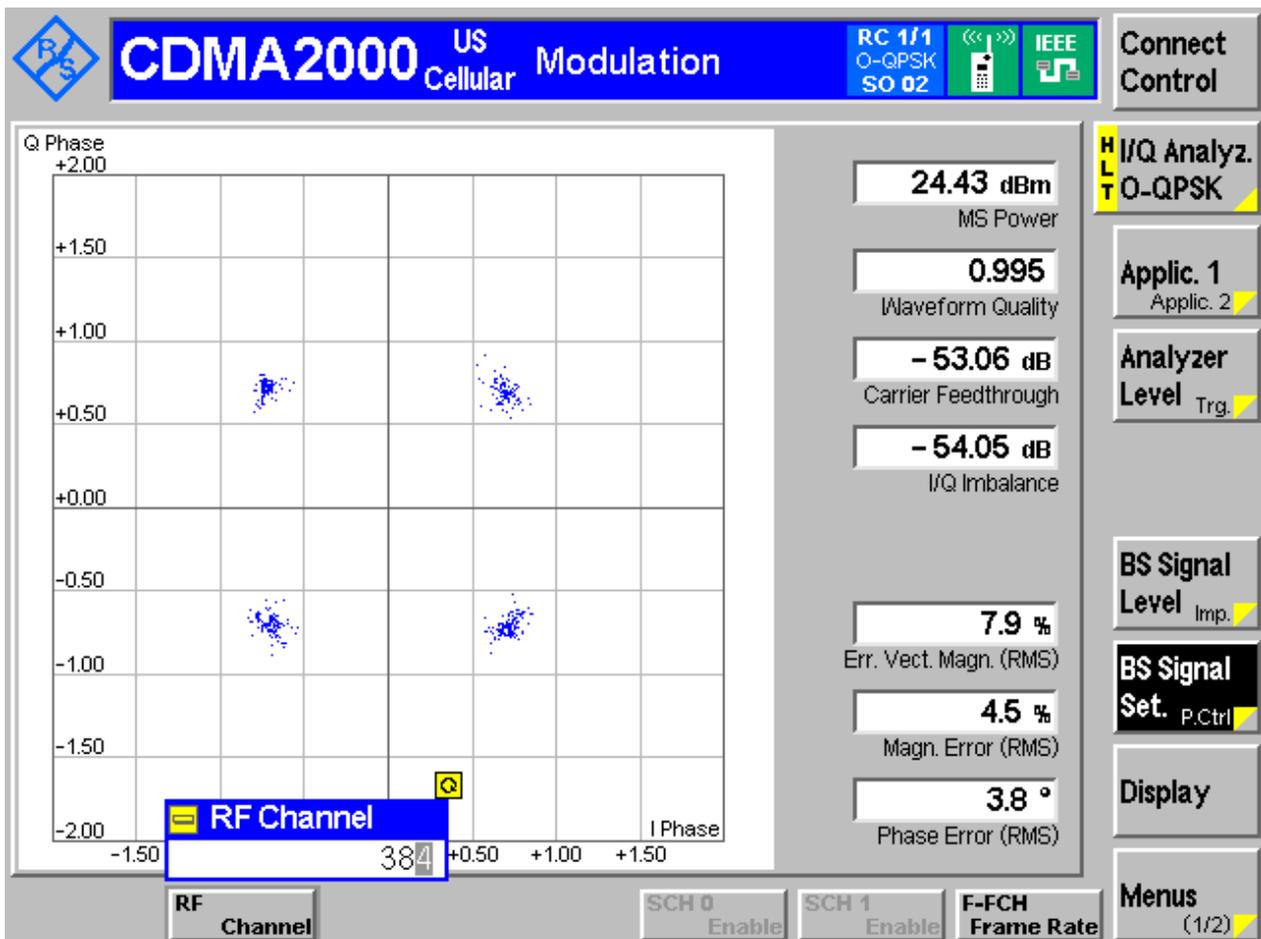
Part I - Test Plots

3.1 For CDMA/1X

3.1.1 Test Band = BC0

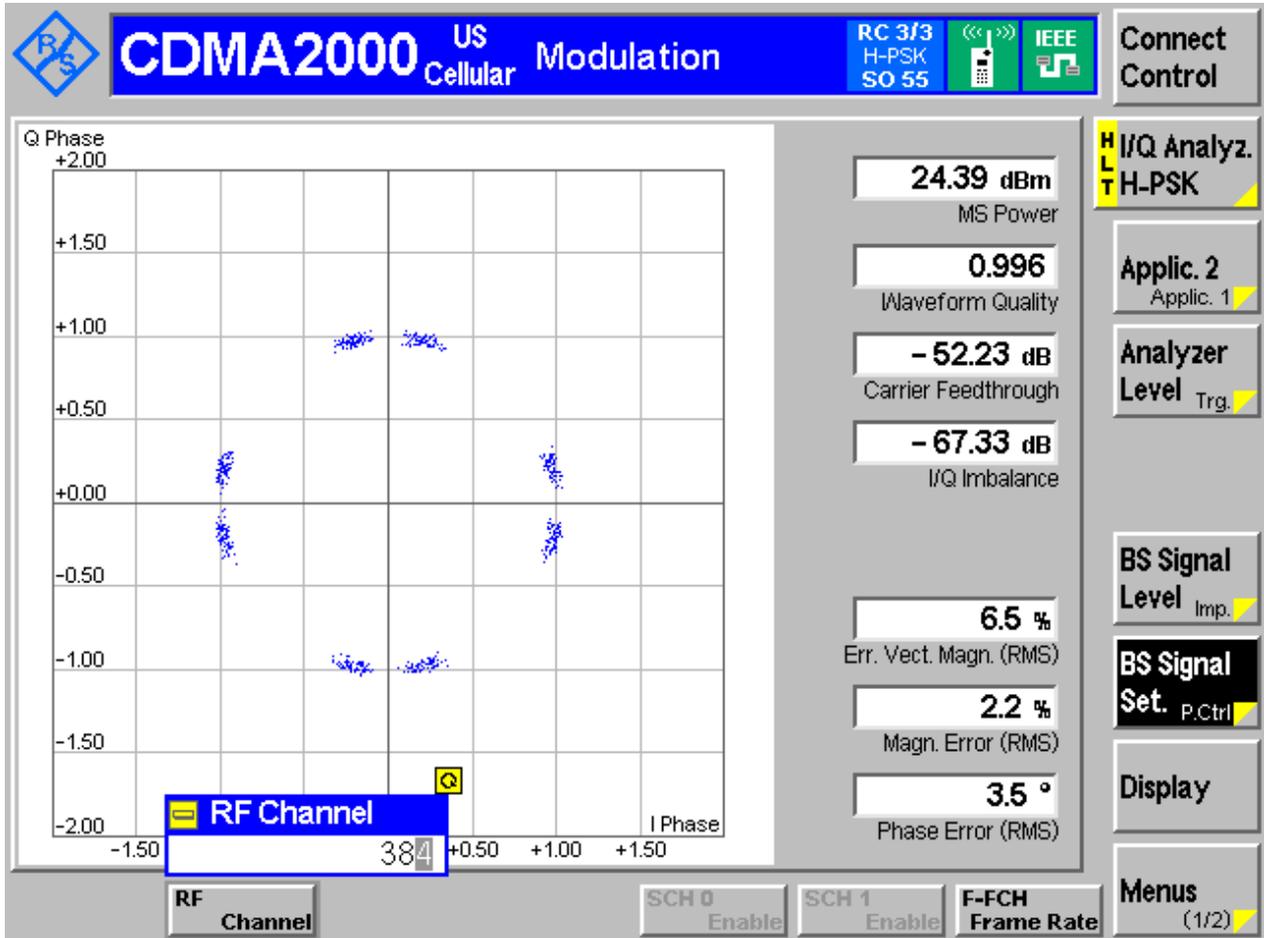
3.1.1.1 Test Mode = CDMA/1X/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = CDMA/1X/TM3

3.1.1.2.1 Test Channel = MCH



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BC0	CDMA/1X/TM1	LCH	1.30	1.46	Pass
		MCH	1.30	1.46	Pass
		HCH	1.29	1.46	Pass
	CDMA/1X/TM3	LCH	1.28	1.45	Pass
		MCH	1.28	1.46	Pass
		HCH	1.28	1.45	Pass

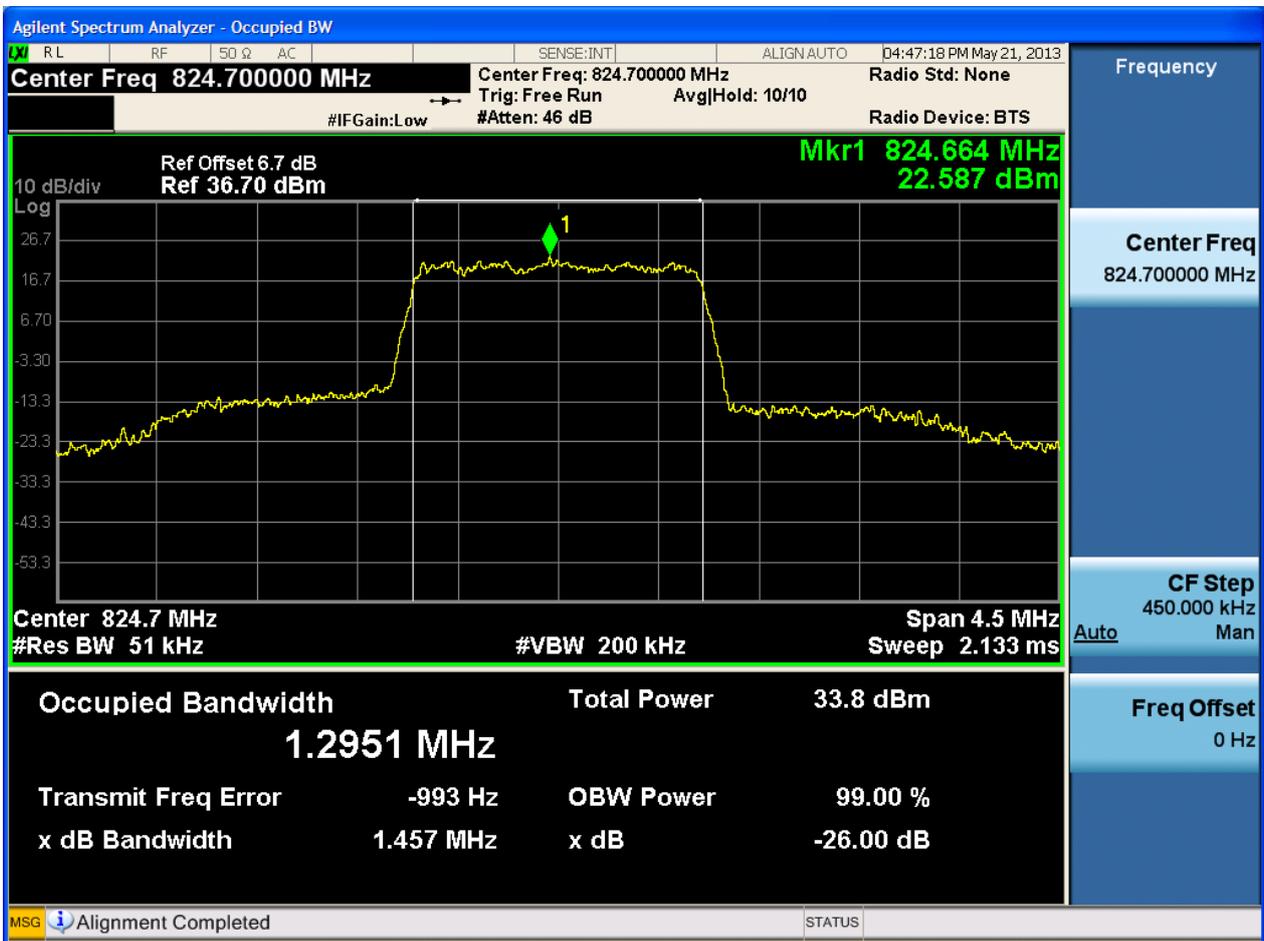
Part II - Test Plots

4.1 For CDMA1X

4.1.1 Test Band = BC0

4.1.1.1 Test Mode = CDMA1X/TM1

4.1.1.1.1 Test Channel = LCH



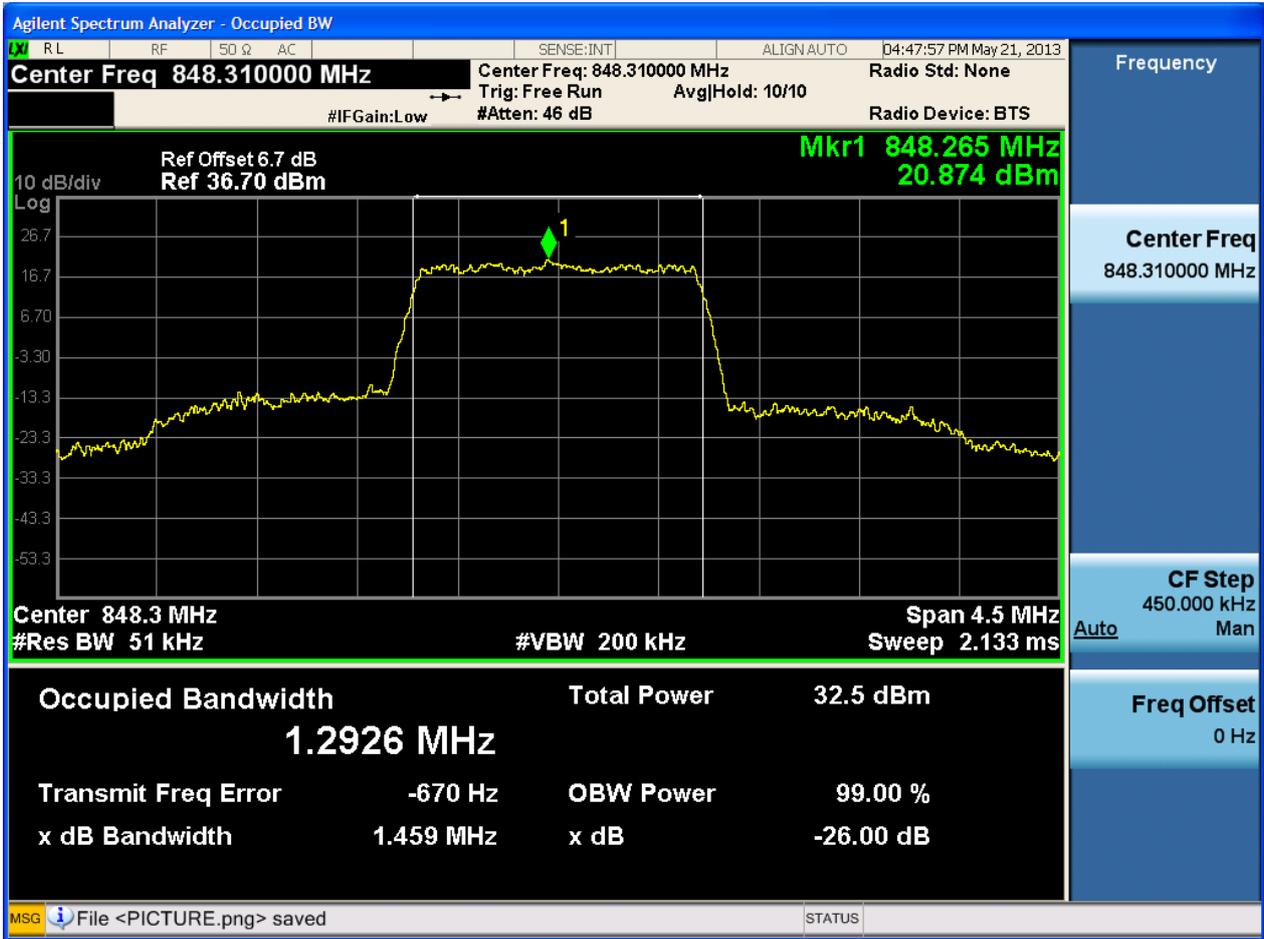


4.1.1.1.2 Test Channel = MCH





4.1.1.1.3 Test Channel = HCH





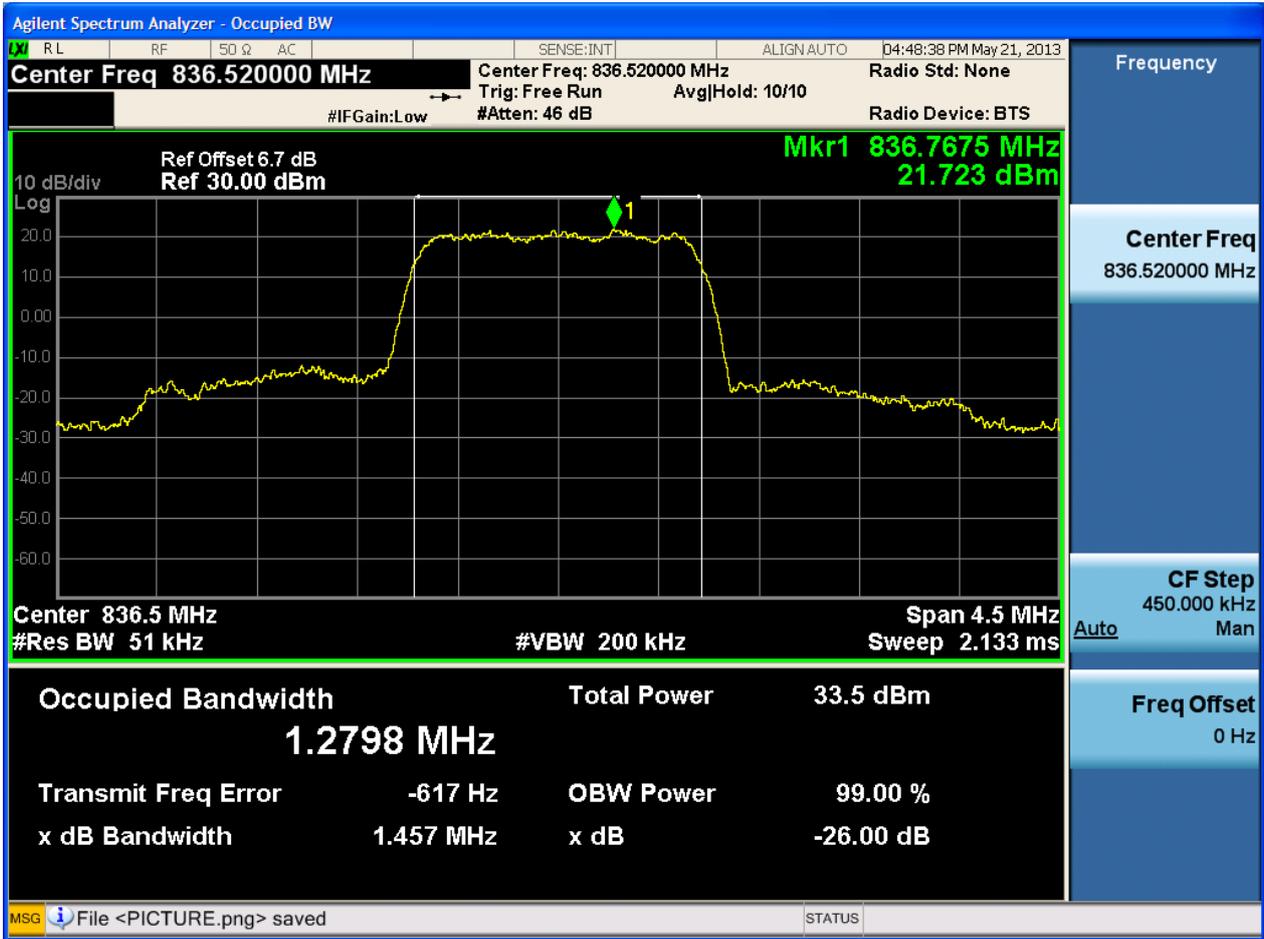
4.1.1.2 Test Mode = CDMA/1X/TM3

4.1.1.2.1 Test Channel = LCH



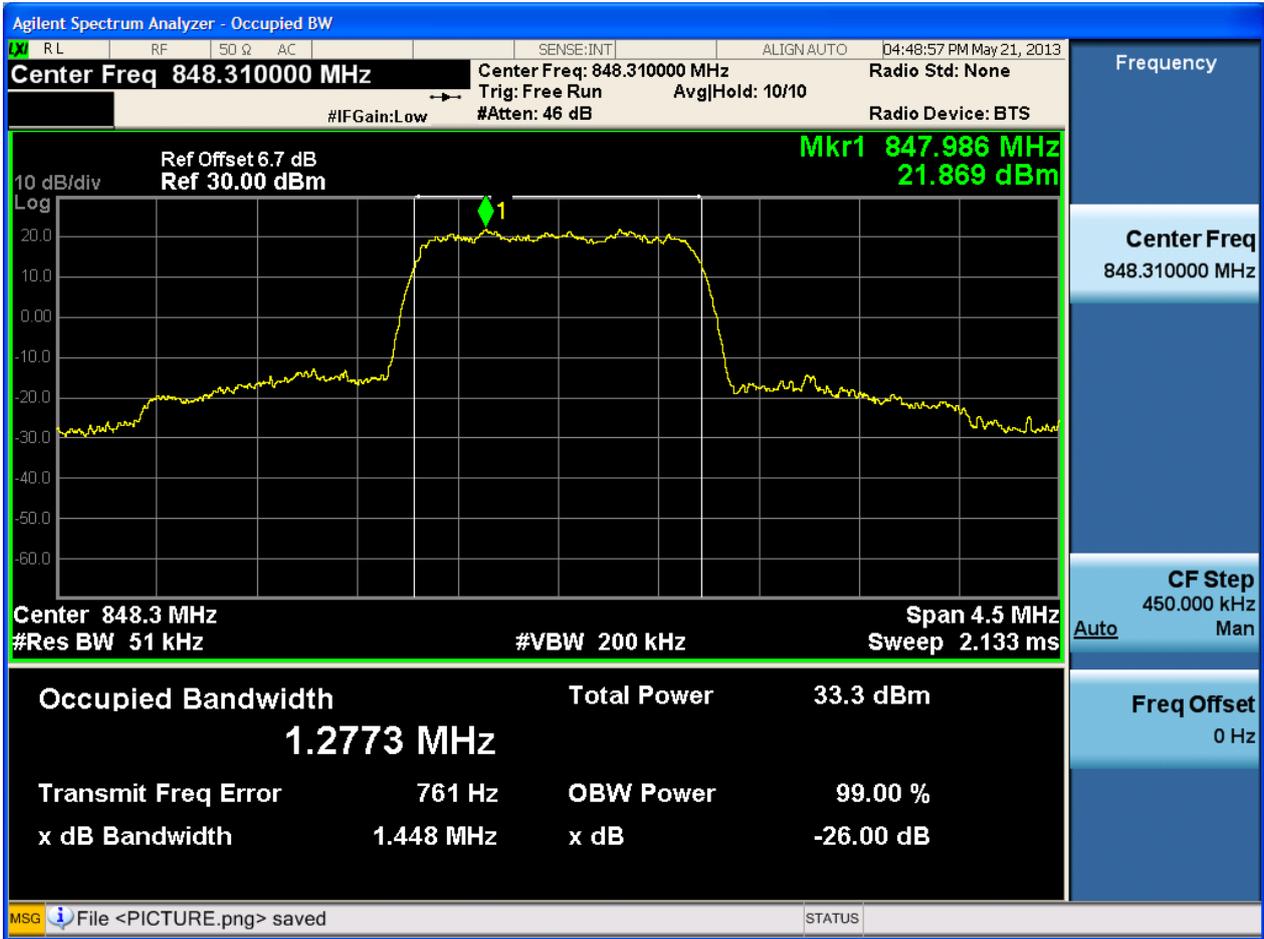


4.1.1.2.2 Test Channel = MCH





4.1.1.2.3 Test Channel = HCH



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For CDMA/1X

5.1.2 Test Band = BC0

5.1.2.1 Test Mode = CDMA/1X/TM1

5.1.2.1.1 Test Channel = LCH

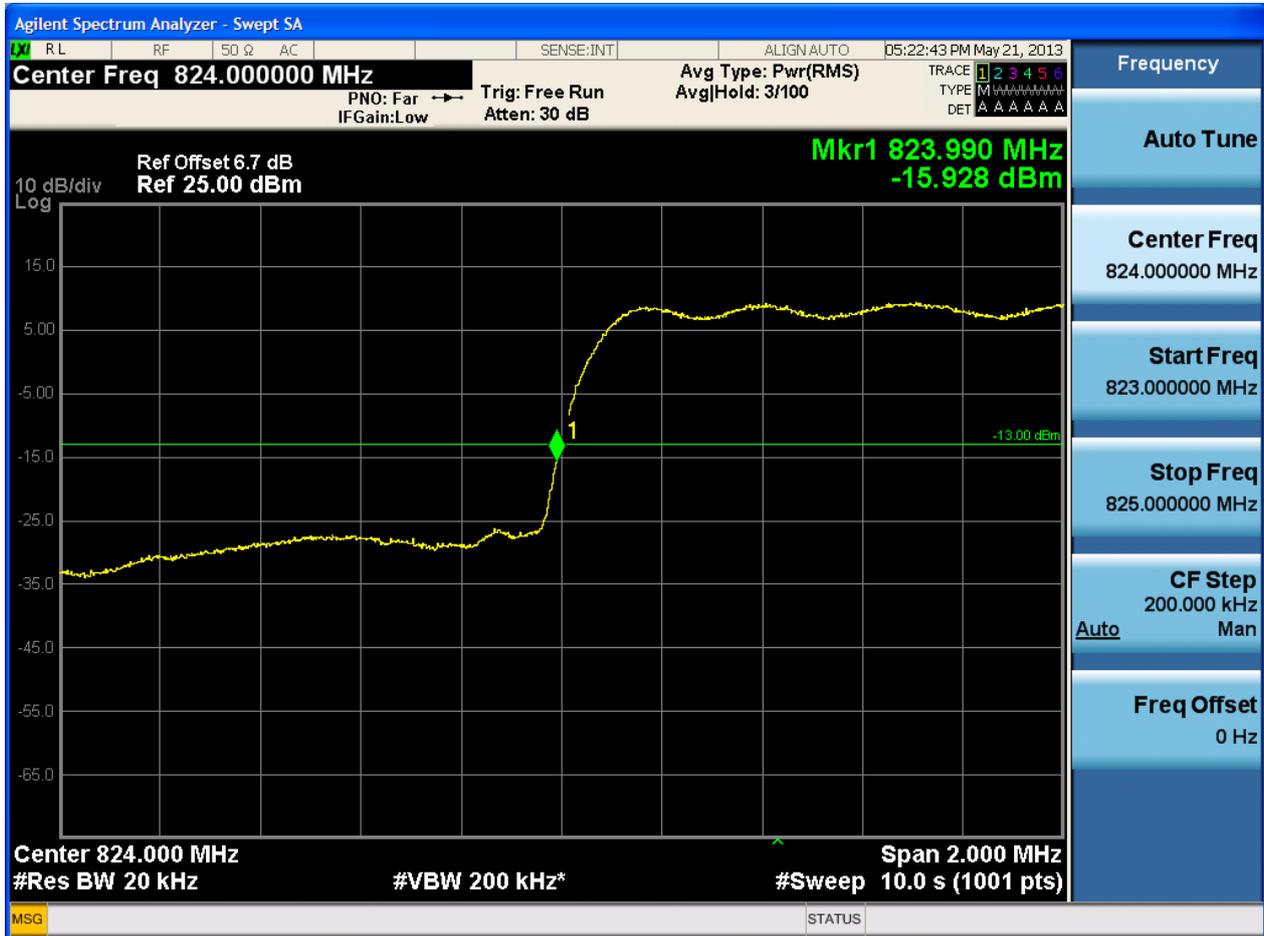


5.1.2.1.2 Test Channel = HCH

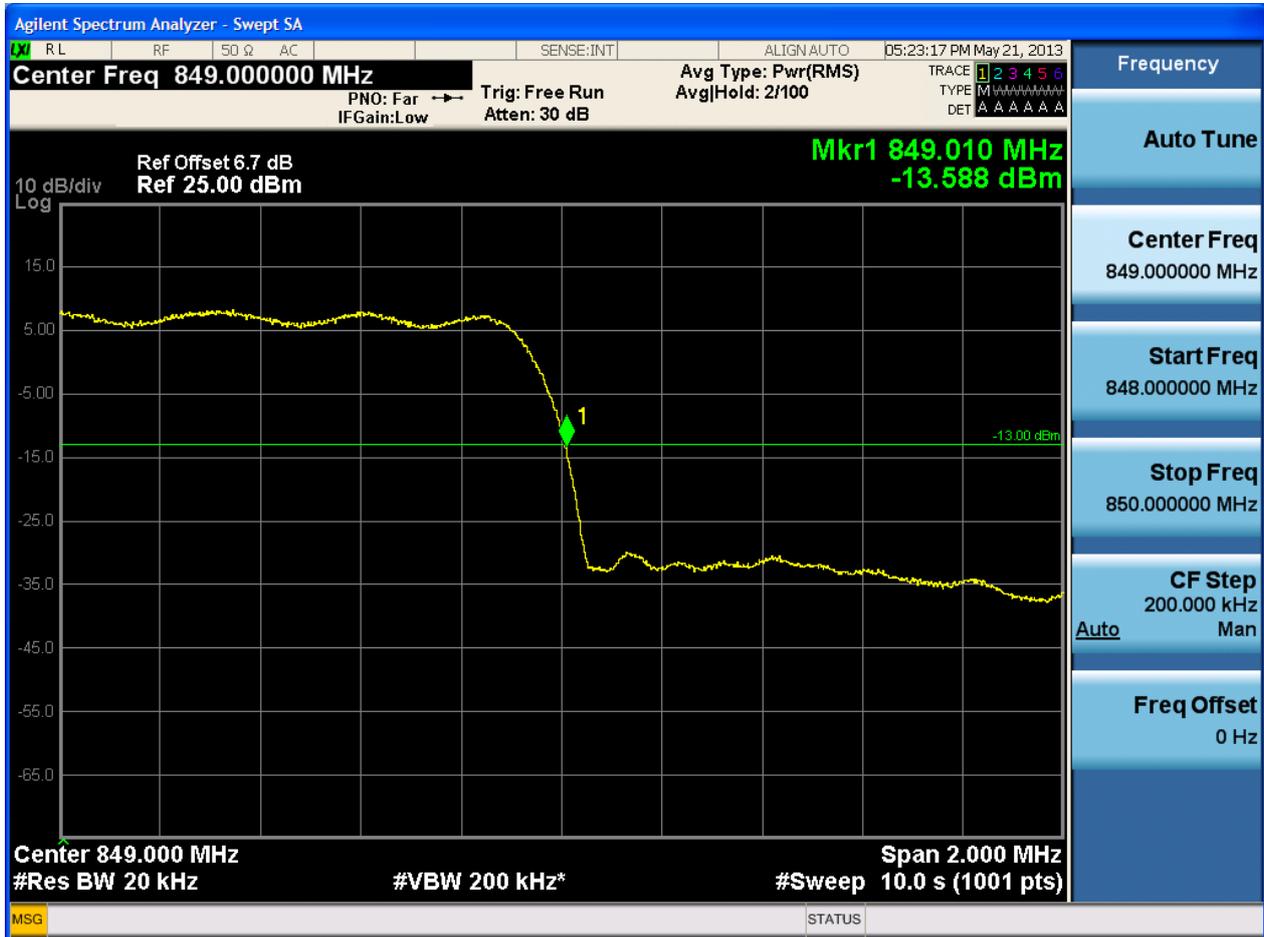


5.1.2.2 Test Mode = CDMA/1X/TM3

5.1.2.2.1 Test Channel = LCH



5.1.2.2.2 Test Channel = HCH



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.

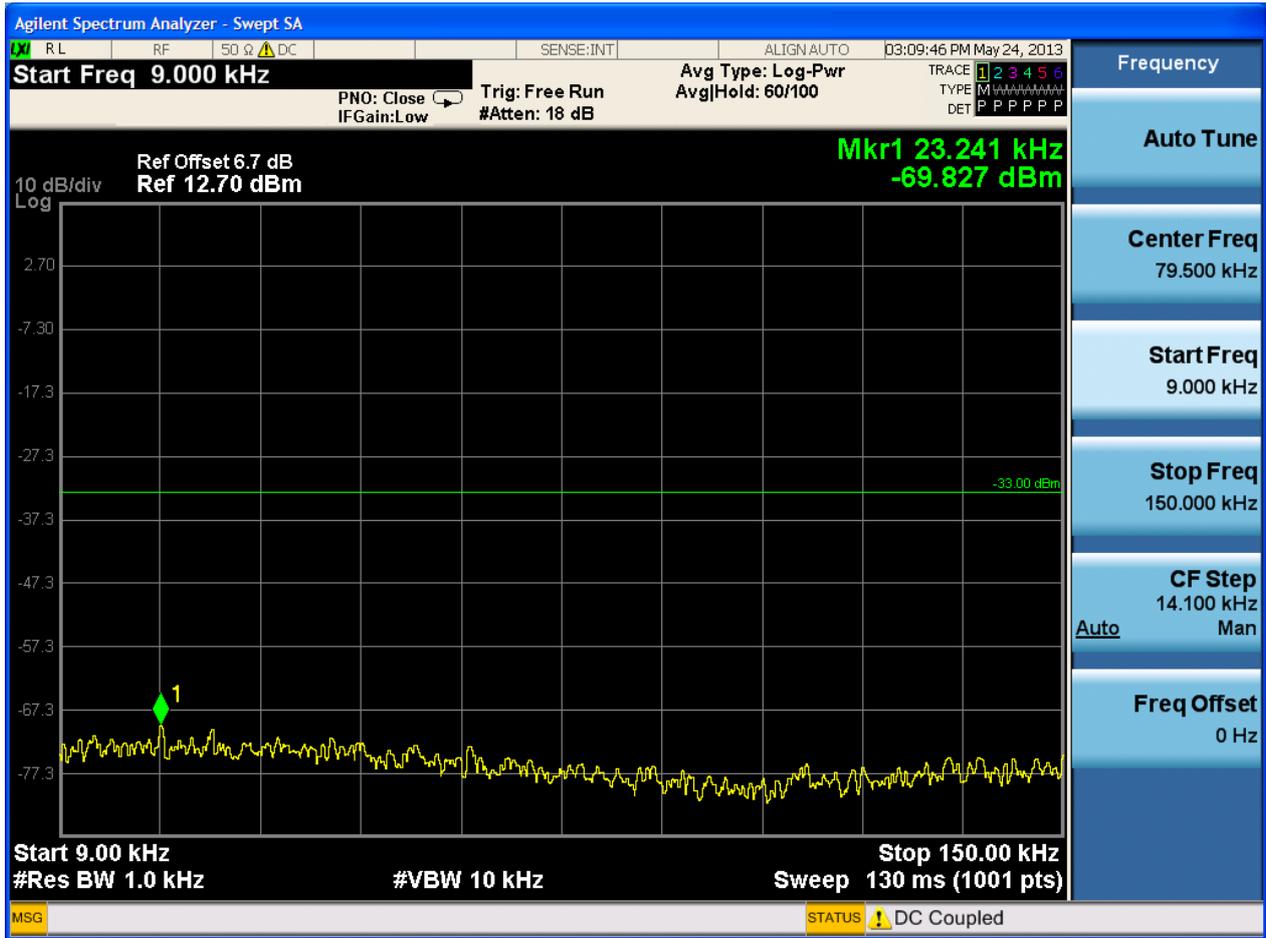
Part I - Test Plots

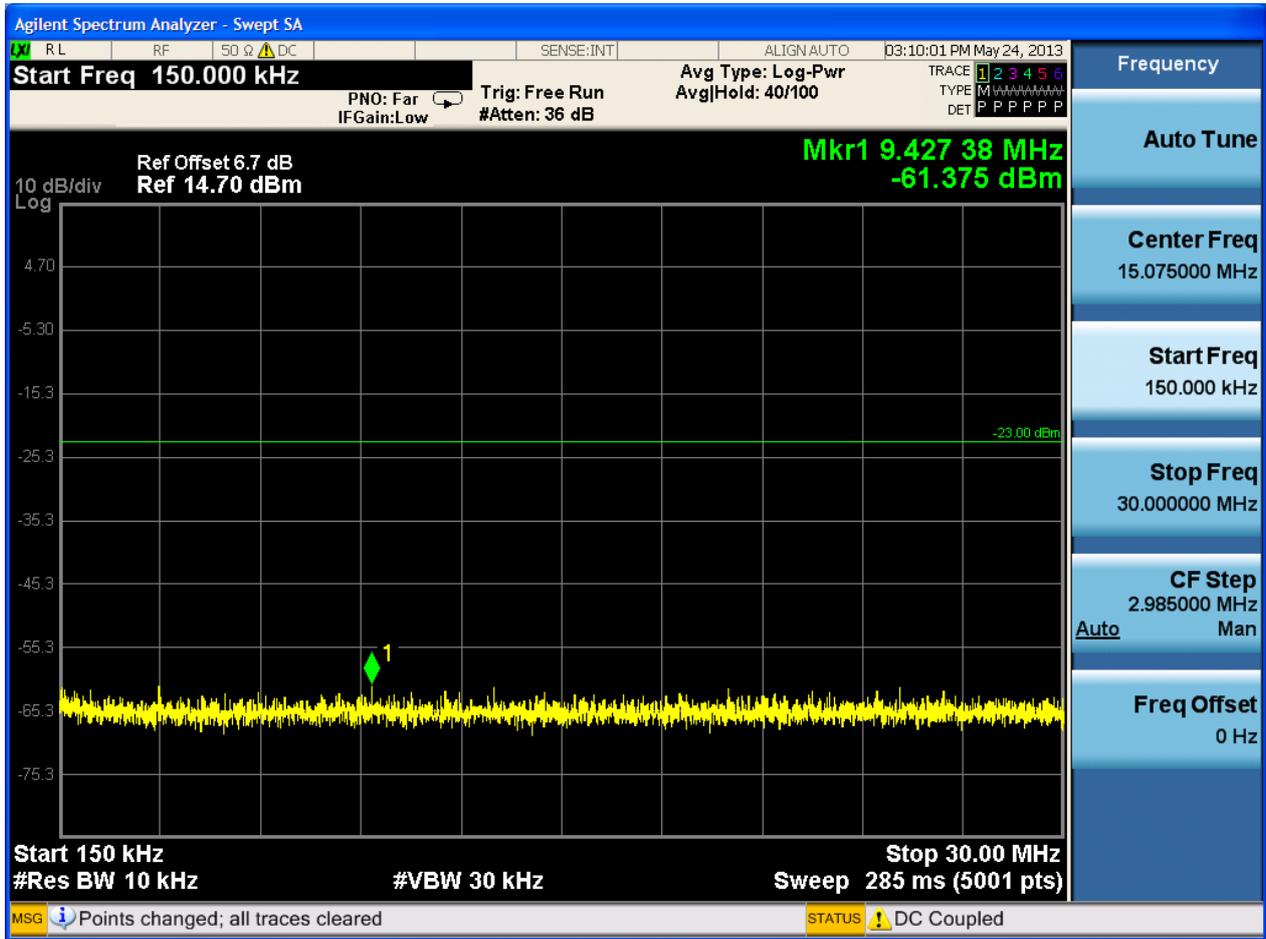
6.1 For CDMA/1X

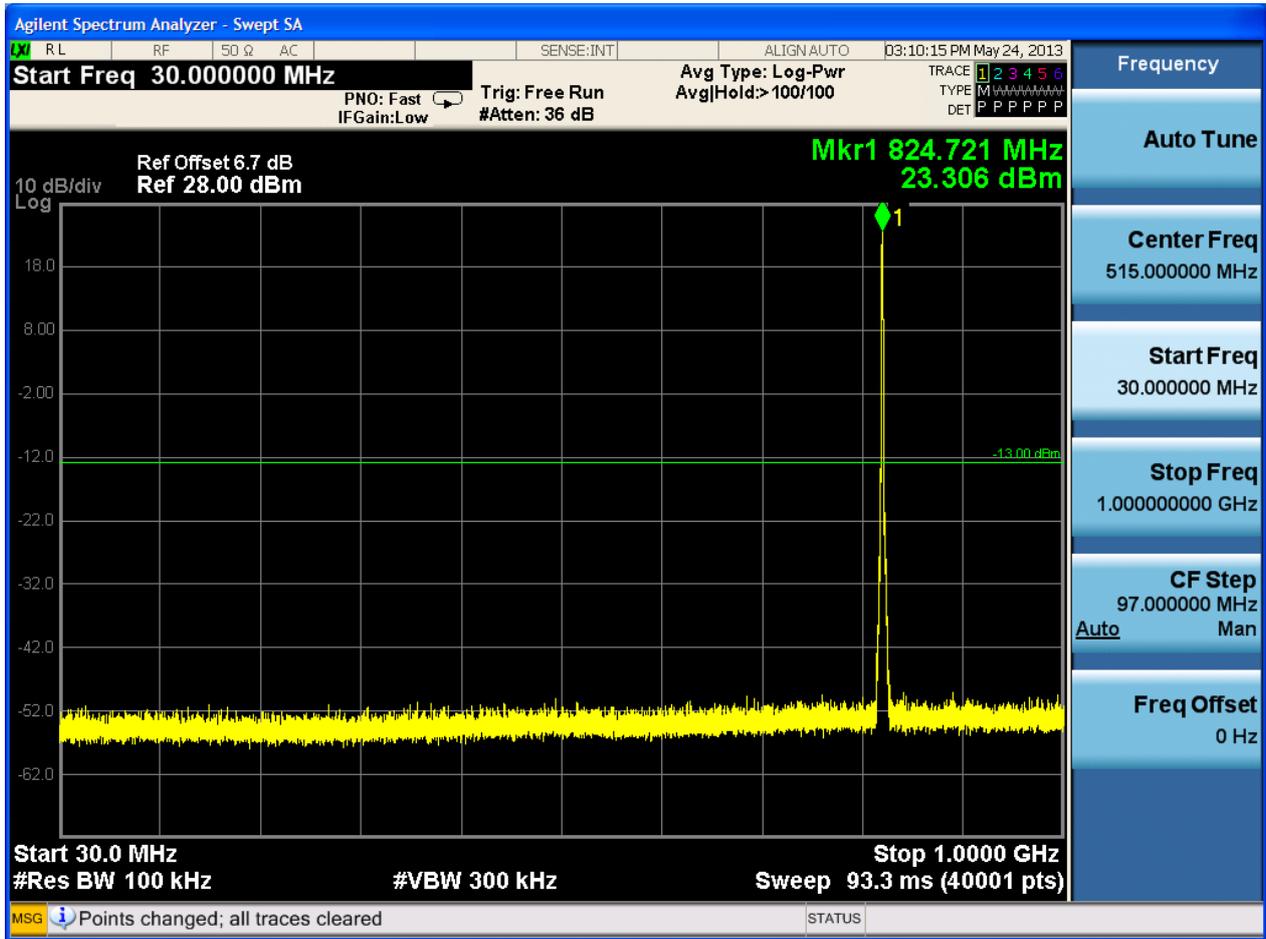
6.1.1 Test Band = BC0

6.1.1.1 Test Mode = CDMA/1X/TM1

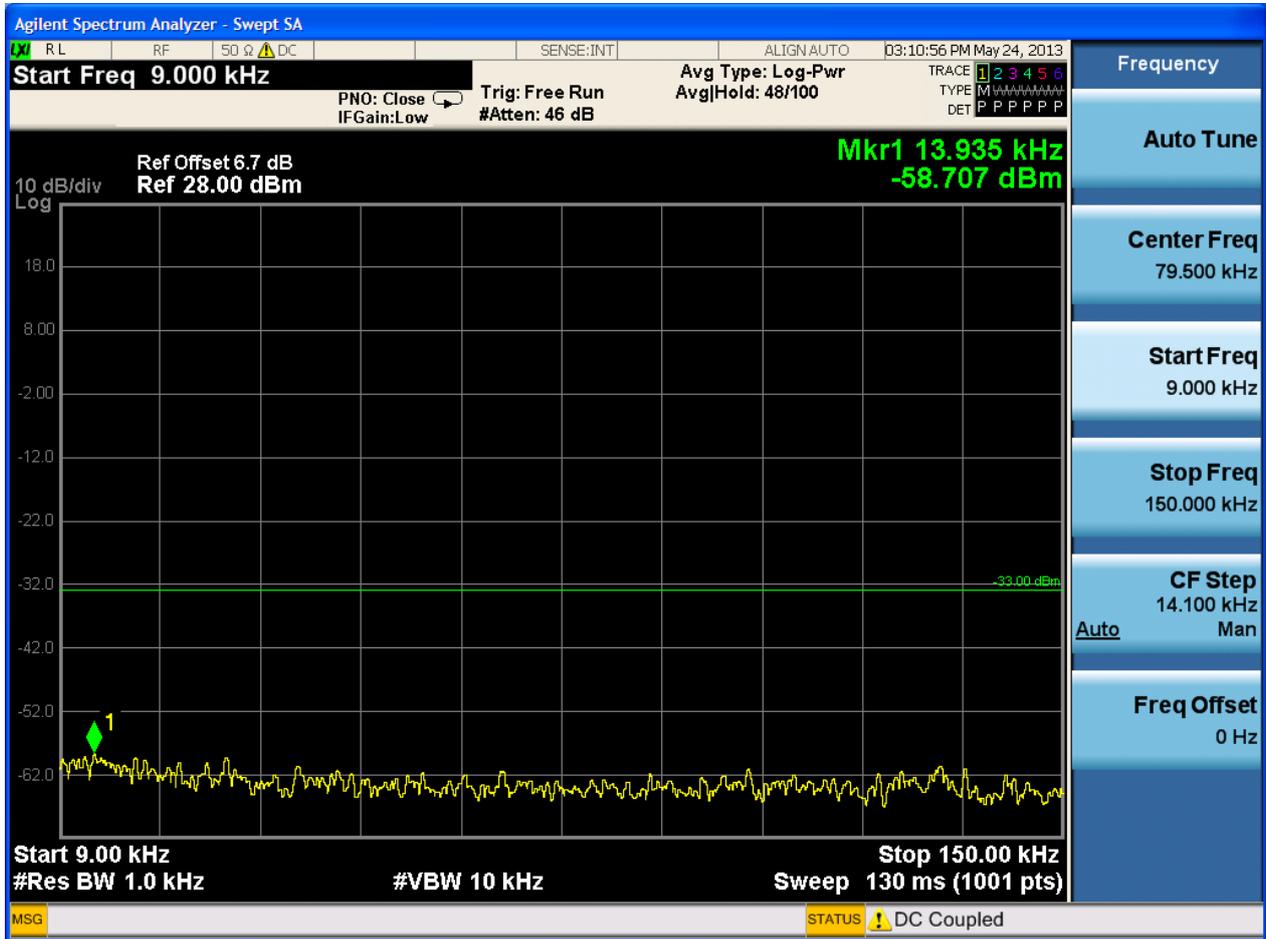
6.1.1.1.1 Test Channel = LCH

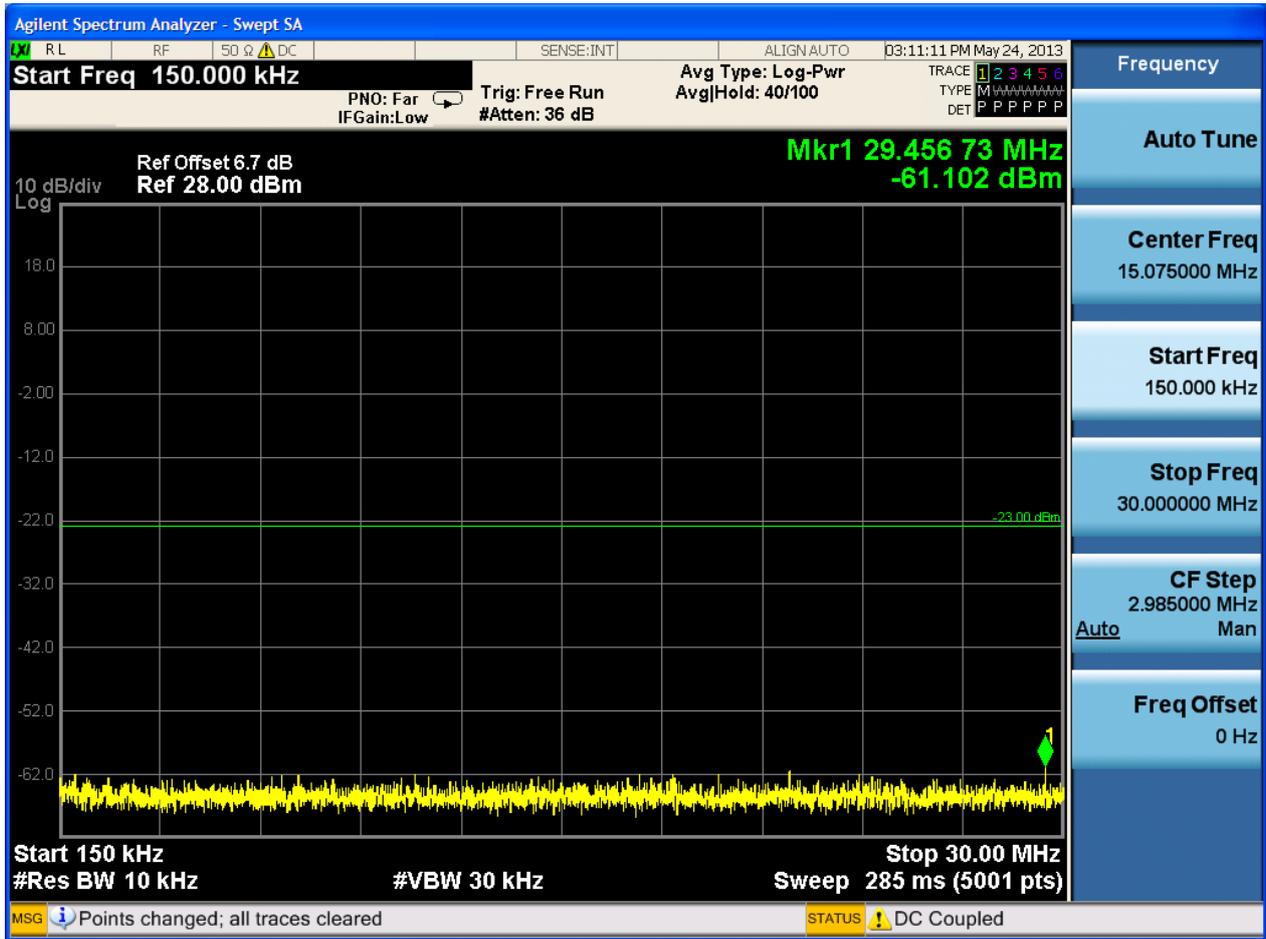


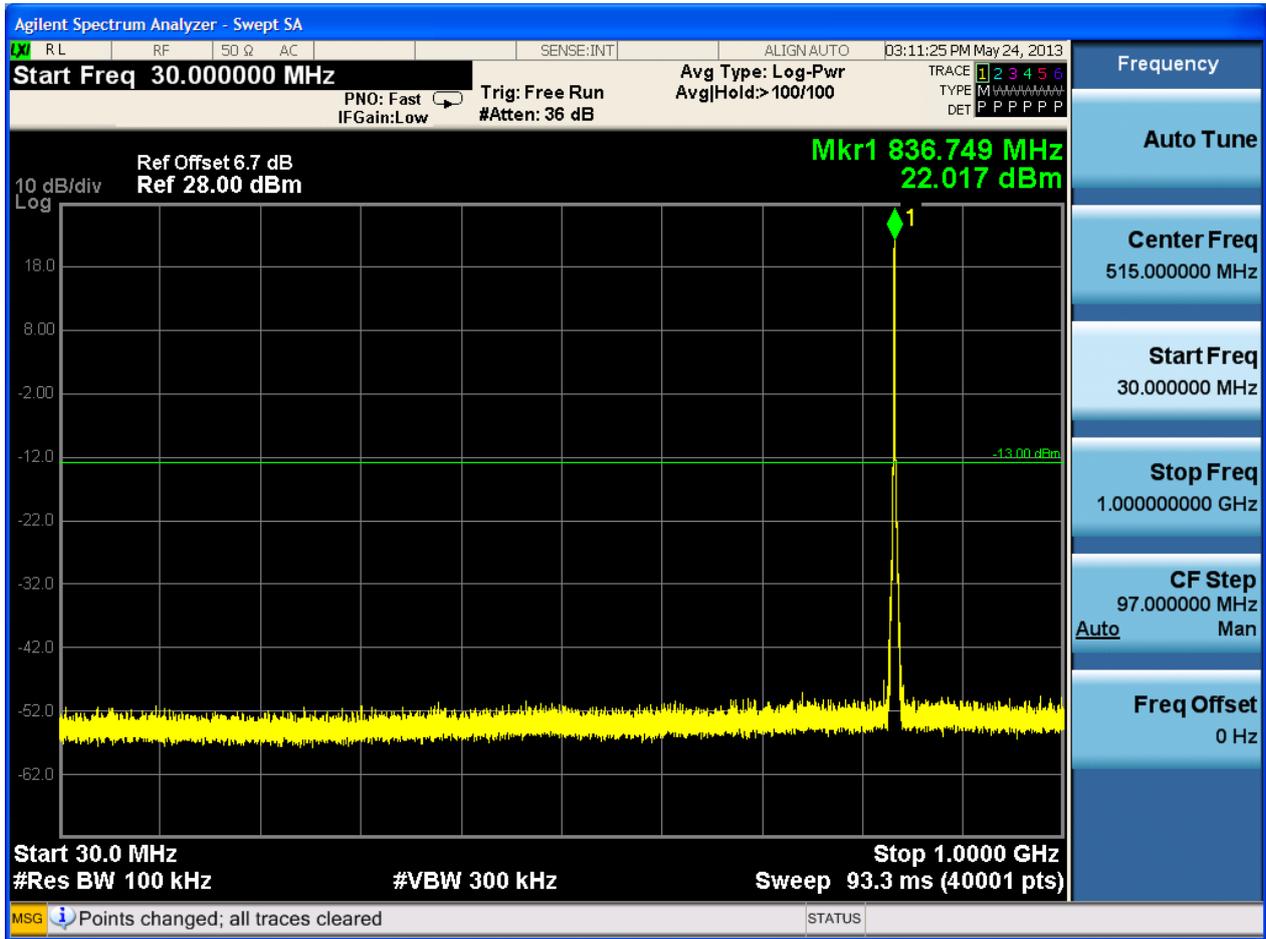




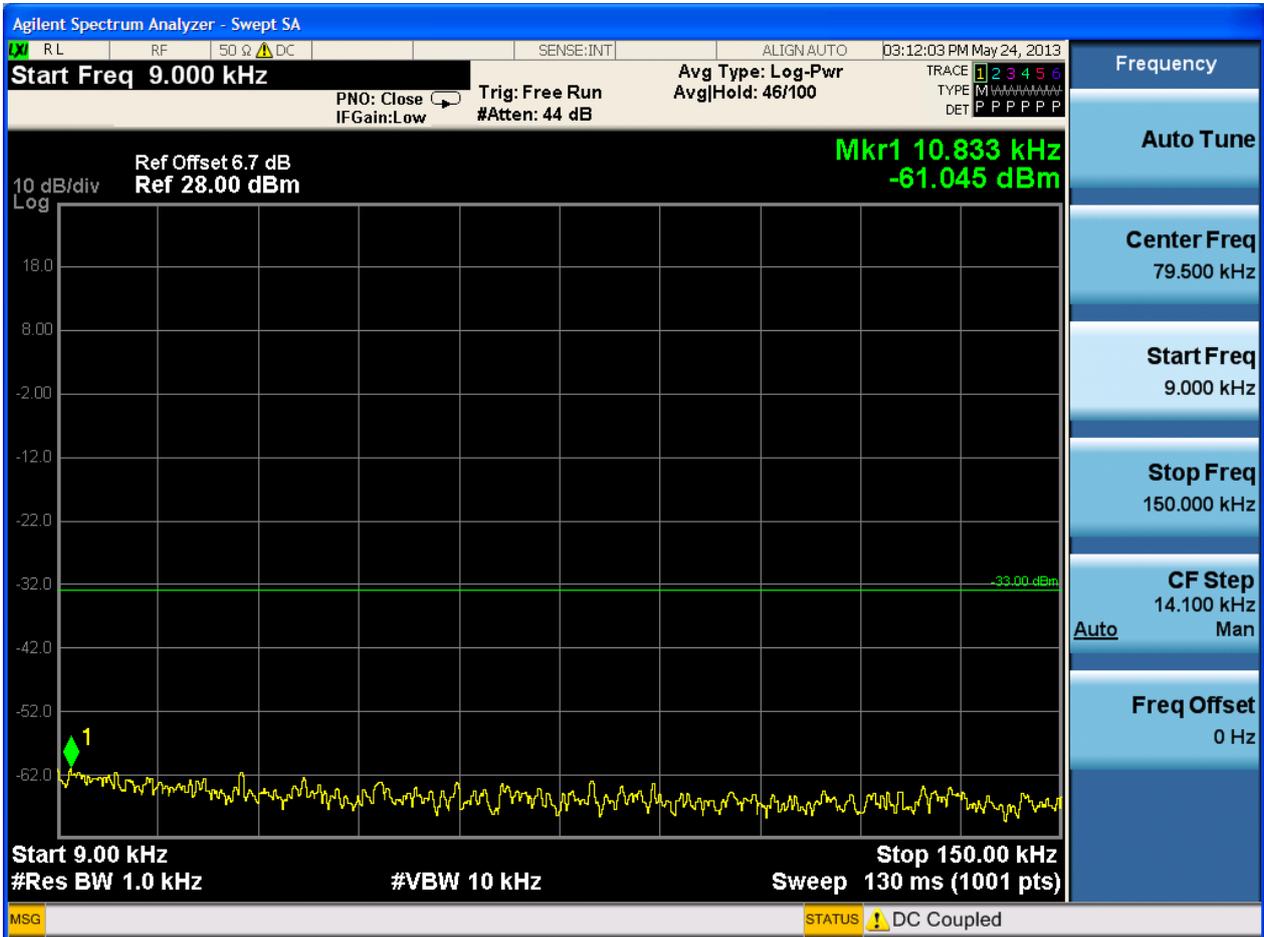
6.1.1.1.2 Test Channel = MCH

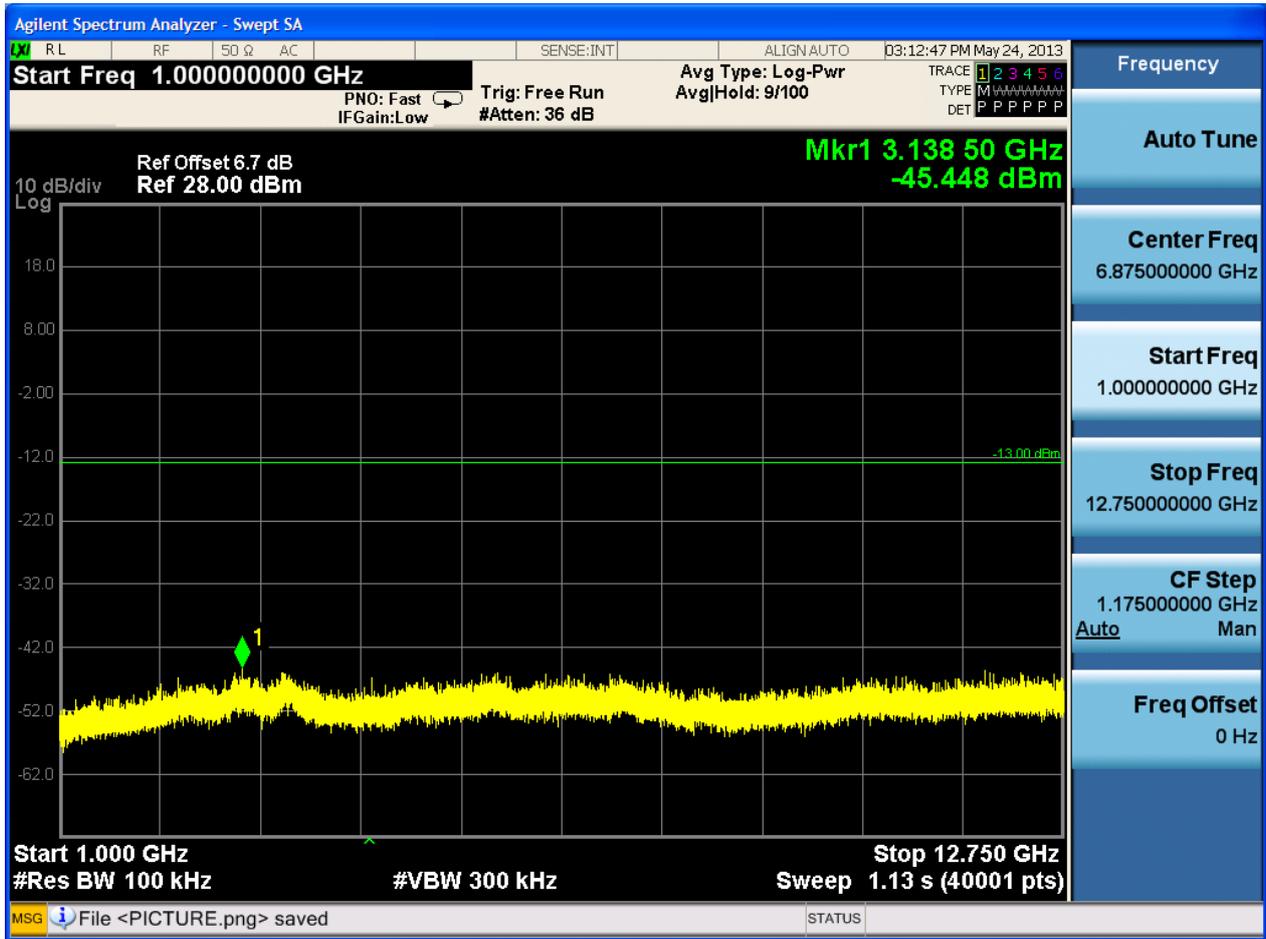


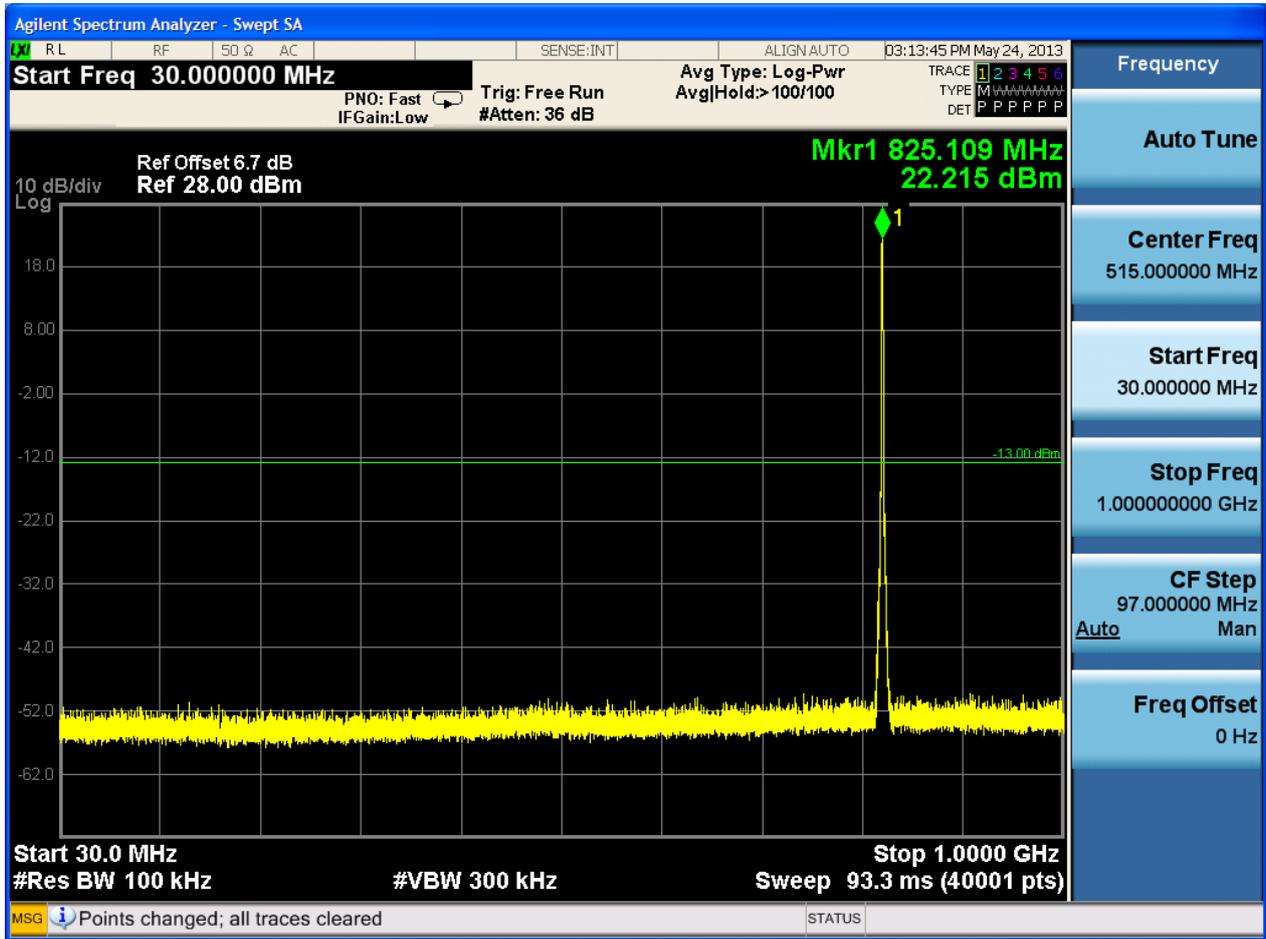


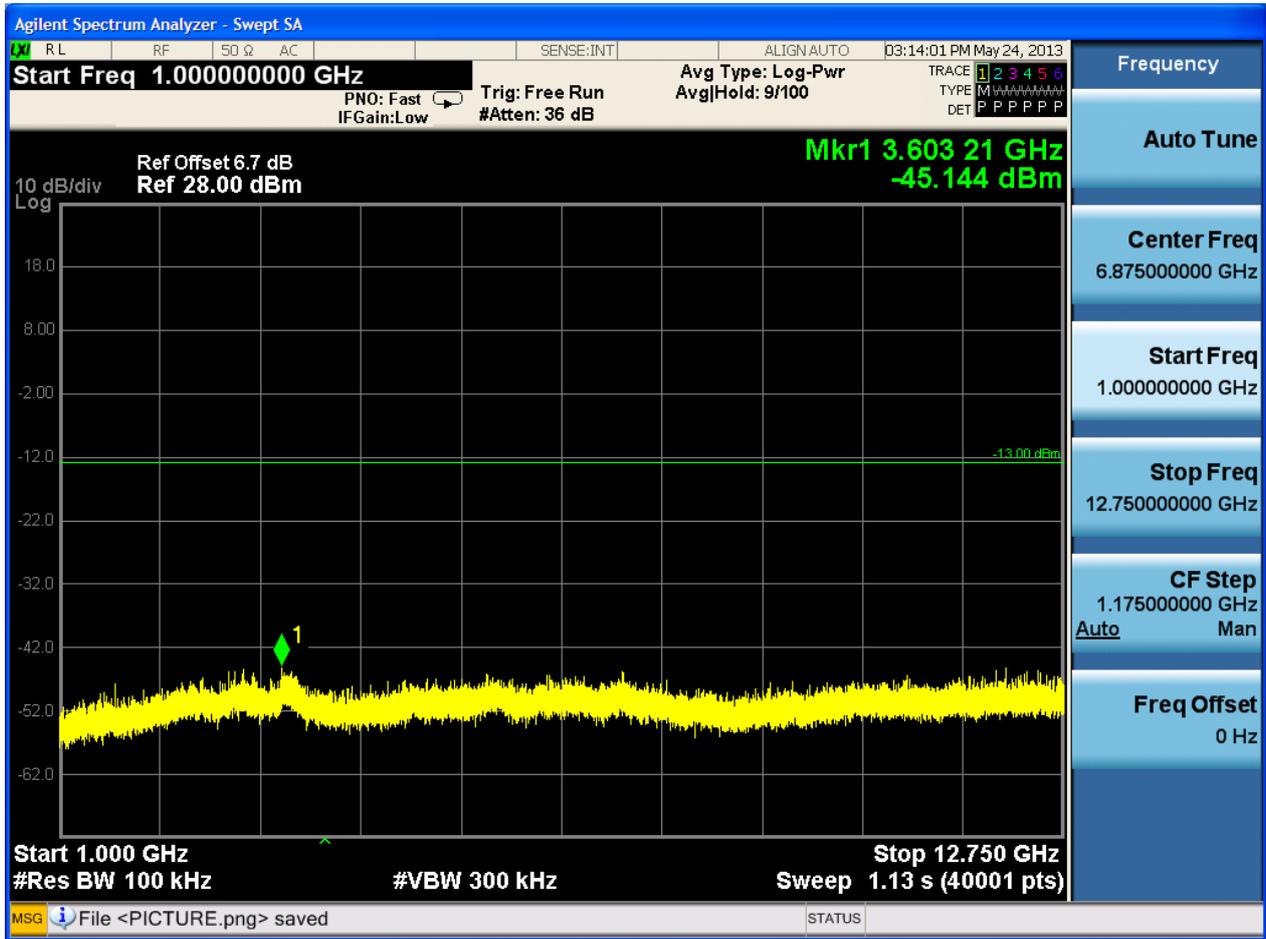


6.1.1.1.3 Test Channel = HCH





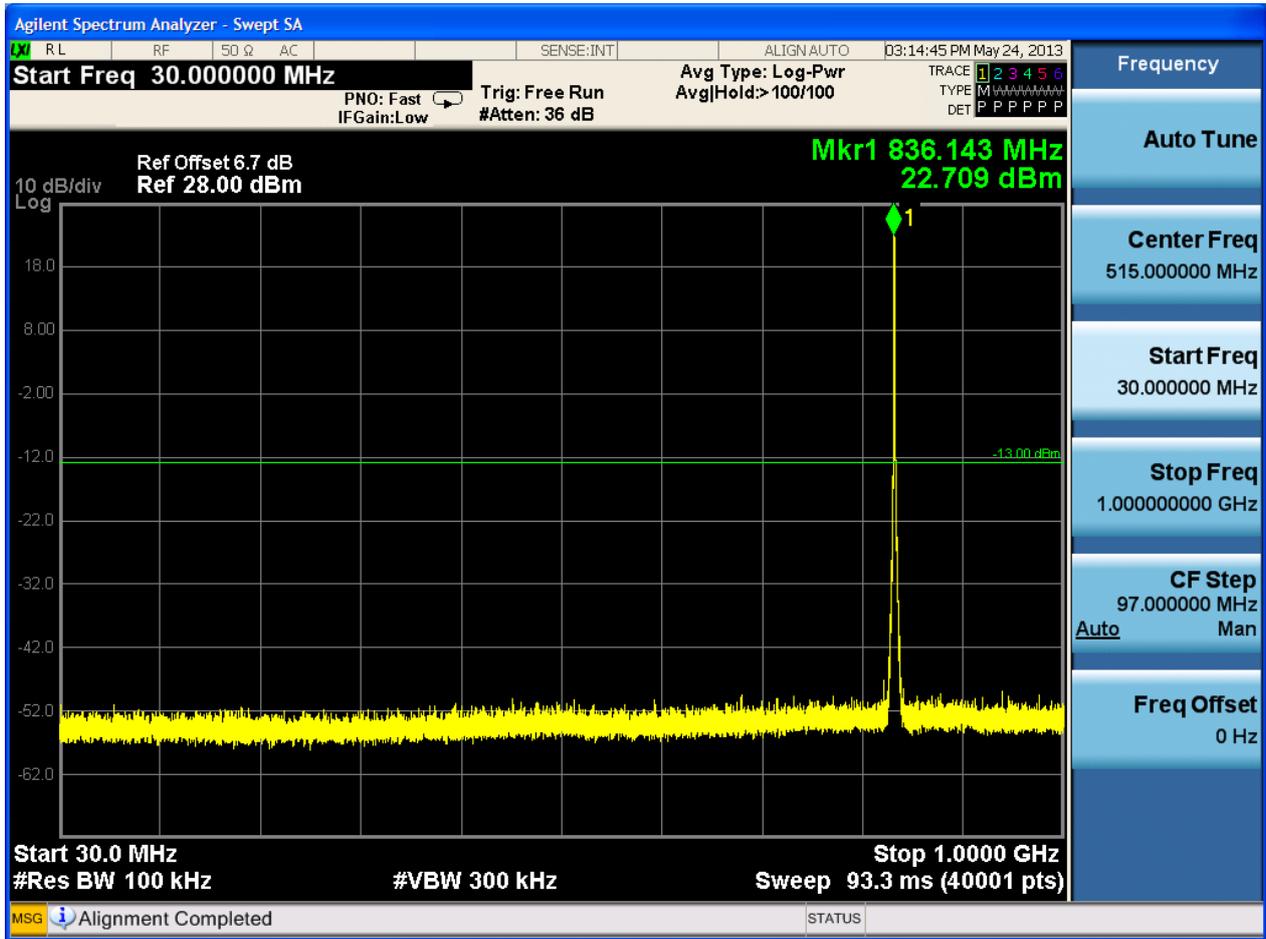


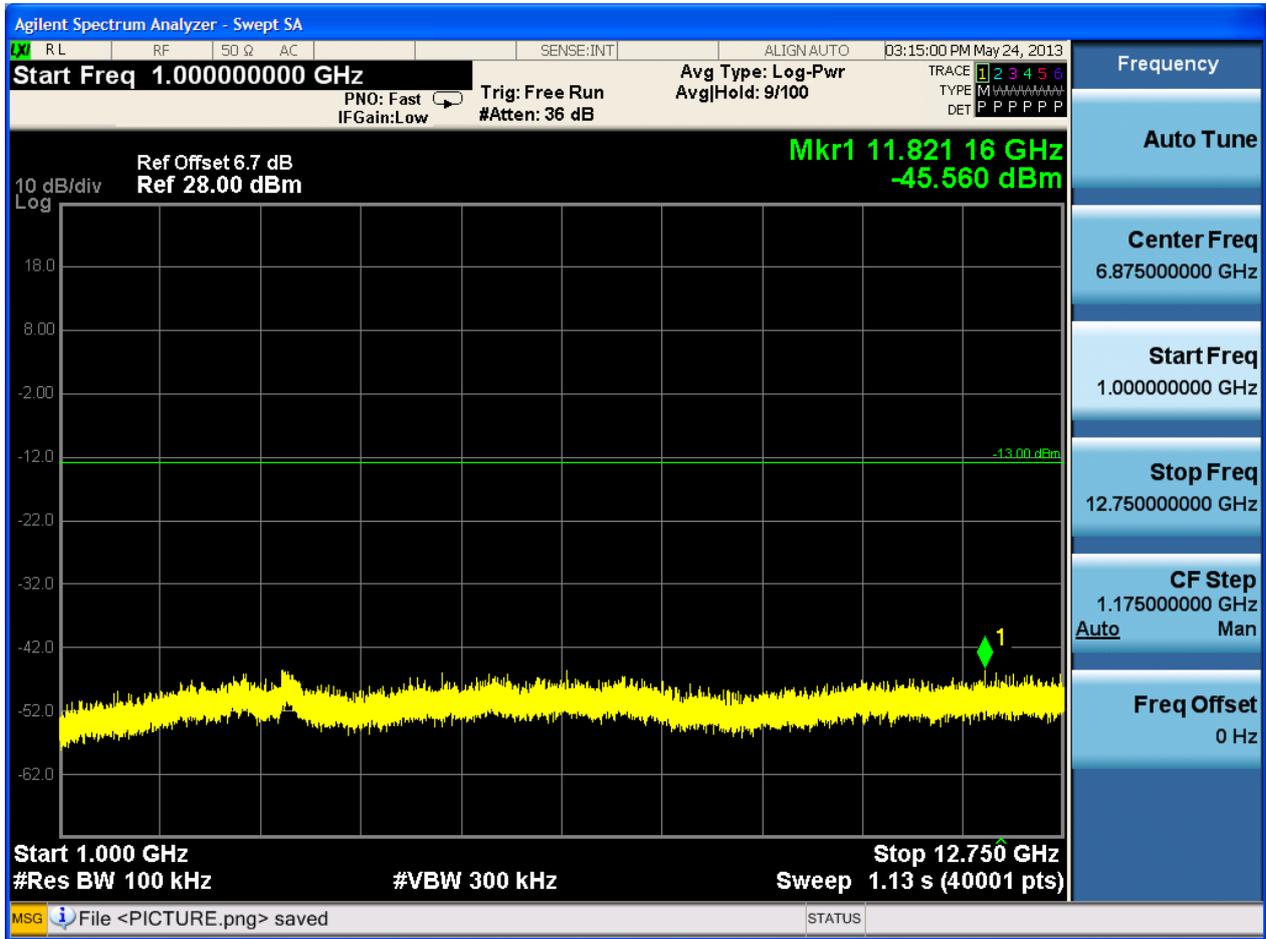




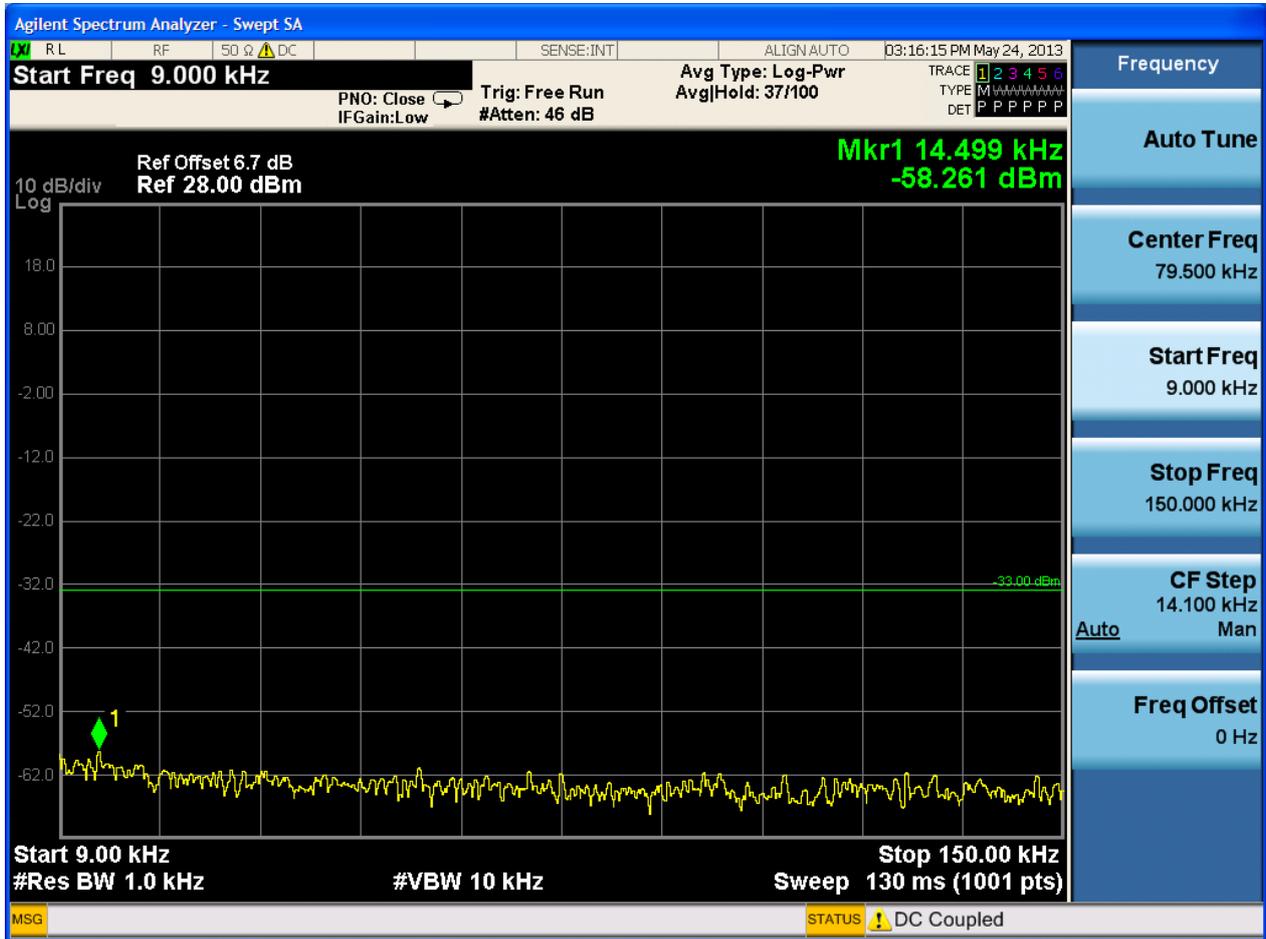
6.1.1.2.2 Test Channel = MCH

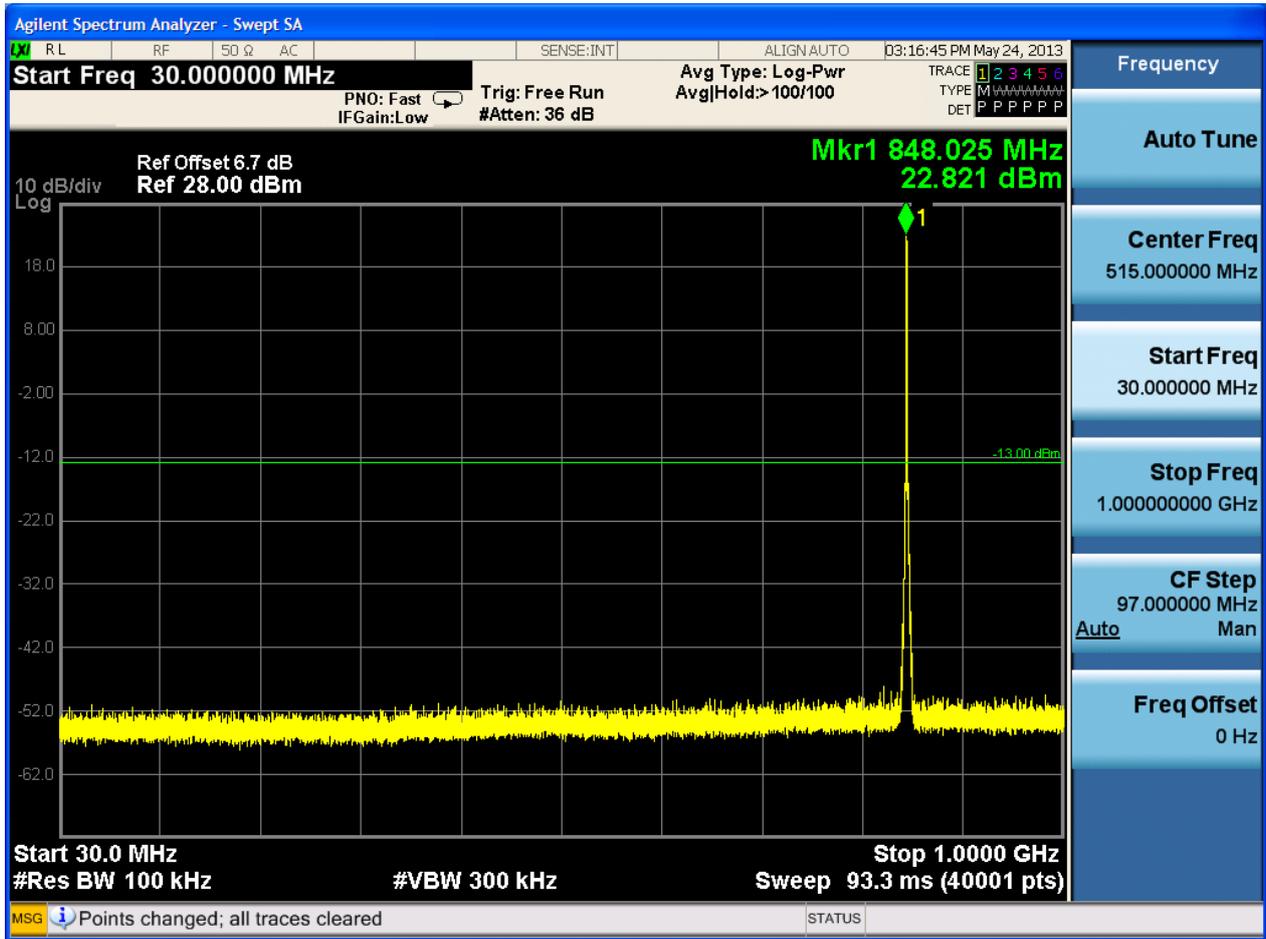


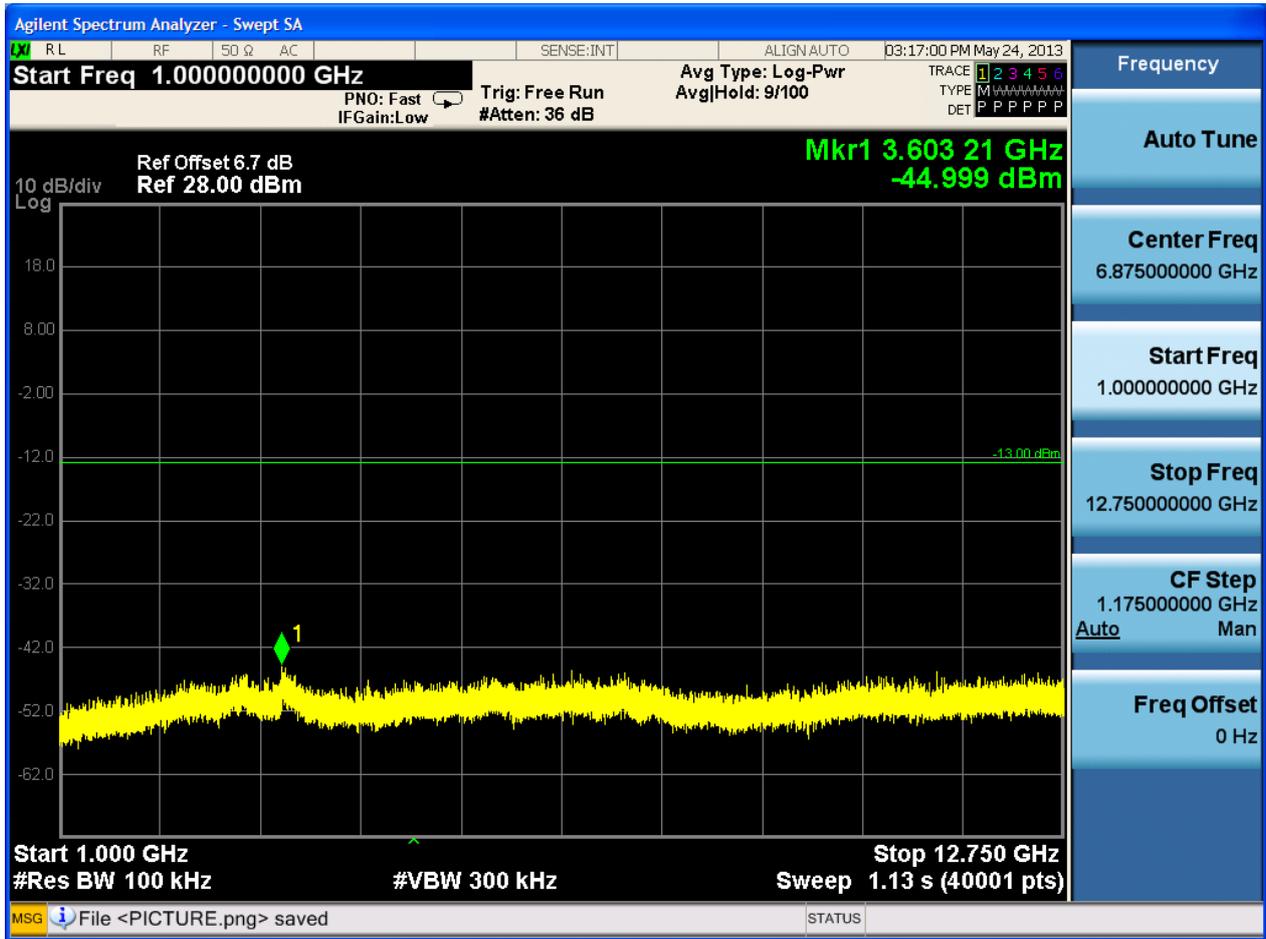




6.1.1.2.3 Test Channel = HCH







7Appendix_G: Field Strength of Spurious Radiation

Note: Below 1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

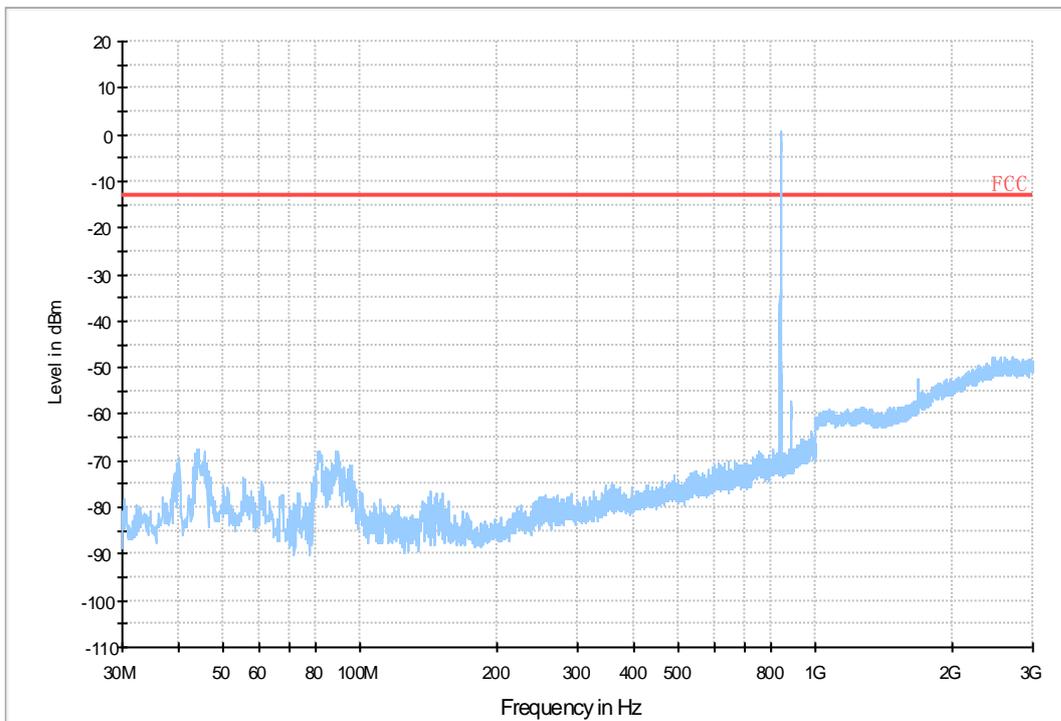
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

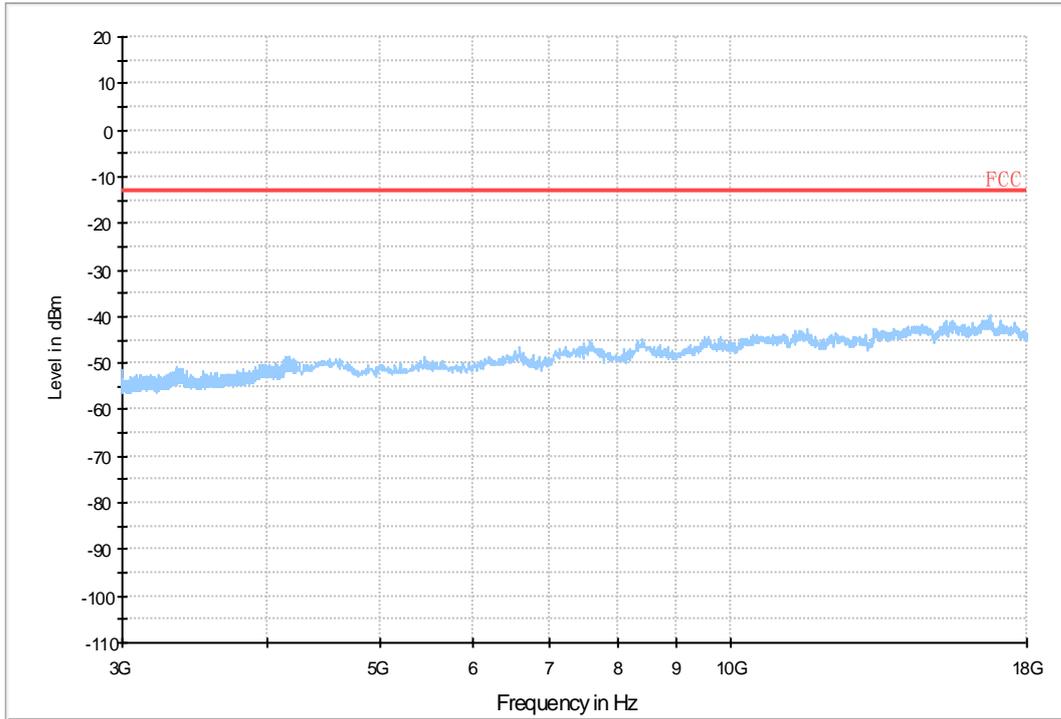
7.1 For CDMA1X

7.1.1 Test Band = BC0

Copy of FCCPART22CDMA800_L



Copy of FCCPART22 CDMA800_H



8Appendix_H: Frequency Stability

8.1 For CDMA/1X

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
BC0	CDMA/1X/TM1	LCH	TN	VL	0.5127	0.00062	±2.5	PASS
				VN	3.5156	0.00426	±2.5	PASS
				VH	1.6846	0.00204	±2.5	PASS
		MCH	TN	VL	1.6846	0.00201	±2.5	PASS
				VN	2.7100	0.00324	±2.5	PASS
				VH	1.9043	0.00228	±2.5	PASS
		HCH	TN	VL	1.5381	0.00181	±2.5	PASS
				VN	5.1270	0.00604	±2.5	PASS
				VH	4.8340	0.0057	±2.5	PASS
	CDMA/1X/TM3	LCH	TN	VL	-3.3691	-0.00409	±2.5	PASS
				VN	-1.3916	-0.00169	±2.5	PASS
				VH	-1.6113	-0.00195	±2.5	PASS
		MCH	TN	VL	0.2197	0.00026	±2.5	PASS
				VN	-0.2197	-0.00026	±2.5	PASS
				VH	-0.2930	-0.00035	±2.5	PASS
HCH	TN	VL	-4.1016	-0.00484	±2.5	PASS		
		VN	-0.8789	-0.00104	±2.5	PASS		
		VH	-2.0508	-0.00242	±2.5	PASS		

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
BC0	CDMA/1X/TM1	LCH	VN	-30	1.1719	0.00142	±2.5	PASS
				-20	2.4902	0.00302	±2.5	PASS
				-10	1.0254	0.00124	±2.5	PASS
				0	4.1016	0.00497	±2.5	PASS
				10	1.6846	0.00204	±2.5	PASS
				20	4.1016	0.00497	±2.5	PASS
				30	5.3467	0.00648	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				40	4.2480	0.00515	±2.5	PASS
				50	4.1748	0.00506	±2.5	PASS
		MCH	VN	-30	1.7578	0.0021	±2.5	PASS
				-20	3.6621	0.00438	±2.5	PASS
				-10	1.8311	0.00219	±2.5	PASS
				0	2.4902	0.00298	±2.5	PASS
				10	3.5889	0.00429	±2.5	PASS
				20	5.6396	0.00674	±2.5	PASS
				30	6.1523	0.00735	±2.5	PASS
				40	3.8086	0.00455	±2.5	PASS
				50	4.2480	0.00508	±2.5	PASS
				HCH	VN	-30	2.7832	0.00328
		-20	3.2227			0.0038	±2.5	PASS
		-10	4.5410			0.00535	±2.5	PASS
		0	3.3691			0.00397	±2.5	PASS
		10	3.2959			0.00389	±2.5	PASS
		20	4.3945			0.00518	±2.5	PASS
		30	3.2227			0.0038	±2.5	PASS
		40	3.9551			0.00466	±2.5	PASS
		50	3.1494	0.00371	±2.5	PASS		
	CDMA/1X/TM3	LCH	VN	-30	-3.2959	-0.004	±2.5	PASS
				-20	-0.9521	-0.00115	±2.5	PASS
				-10	-1.3184	-0.0016	±2.5	PASS
				0	-0.9521	-0.00115	±2.5	PASS
				10	-0.8057	-0.00098	±2.5	PASS
				20	-1.4648	-0.00178	±2.5	PASS
				30	-1.2451	-0.00151	±2.5	PASS
				40	-1.6113	-0.00195	±2.5	PASS
				50	-1.2451	-0.00151	±2.5	PASS
				MCH	VN	-30	-0.2930	-0.00035
		-20	0.0000			0	±2.5	PASS
		-10	0.2197			0.00026	±2.5	PASS
		0	0.0000			0	±2.5	PASS
		10	-0.0732			-0.00009	±2.5	PASS
		20	-0.6592			-0.00079	±2.5	PASS
		30	-0.2197			-0.00026	±2.5	PASS
		40	0.5859			0.0007	±2.5	PASS
		50	-0.0732	-0.00009	±2.5	PASS		
		HCH	VN	-30	-1.1719	-0.00138	±2.5	PASS
				-20	-1.6113	-0.0019	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				-10	-1.6846	-0.00199	±2.5	PASS
				0	-2.0508	-0.00242	±2.5	PASS
				10	-2.0508	-0.00242	±2.5	PASS
				20	-1.9043	-0.00224	±2.5	PASS
				30	-2.1973	-0.00259	±2.5	PASS
				40	-3.1494	-0.00371	±2.5	PASS
				50	-1.9775	-0.00233	±2.5	PASS

END