



Appendix for test report



1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BC0	CDMA/1X/TM1	LCH	23.79	20.89	38.5	PASS
		MCH	23.77	20.87	38.5	PASS
		HCH	23.37	20.47	38.5	PASS
	CDMA/1X/TM3	LCH	23.69	20.79	38.5	PASS
		MCH	23.79	20.89	38.5	PASS
		HCH	23.38	20.48	38.5	PASS
BC1	CDMA/1X/TM1	LCH	24.11	23.46	33	PASS
		MCH	23.93	23.28	33	PASS
		HCH	24.20	23.55	33	PASS
	CDMA/1X/TM3	LCH	24.08	23.43	33	PASS
		MCH	23.87	23.22	33	PASS
		HCH	24.09	23.44	33	PASS
Test Band	Test Mode	Test Channel	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict



Test Band	Test Mode	Test Channel	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BC0	CDMA/EV-DO/Subtype0	LCH	23.99	21.09	38.5	PASS
		MCH	23.94	21.04	38.5	PASS
		HCH	23.68	20.78	38.5	PASS
	CDMA/EV-DO/Subtype2	LCH	23.86	20.96	38.5	PASS
		MCH	23.93	21.03	38.5	PASS
		HCH	23.93	21.03	38.5	PASS
BC1	CDMA/EV-DO/Subtype0	LCH	23.96	23.31	33	PASS
		MCH	23.83	23.18	33	PASS
		HCH	23.74	23.09	33	PASS
	CDMA/EV-DO/Subtype2	LCH	24.05	23.4	33	PASS
		MCH	23.73	23.08	33	PASS
		HCH	23.86	23.21	33	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: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS



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	4.48	13	PASS
		MCH	4.5	13	PASS
		HCH	4.68	13	PASS
	CDMA/1X/TM3	LCH	3.97	13	PASS
		MCH	3.99	13	PASS
		HCH	4.12	13	PASS
BC1	CDMA/1X/TM1	LCH	4.23	13	PASS
		MCH	4.48	13	PASS
		HCH	4.2	13	PASS
	CDMA/1X/TM3	LCH	3.74	13	PASS
		MCH	3.94	13	PASS
		HCH	3.74	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
BC0	CDMA/EV-DO/Subtype0	LCH	4.23	13	PASS
		MCH	4.25	13	PASS
		HCH	4.4	13	PASS
	CDMA/EV-DO/Subtype2	LCH	5.32	13	PASS
		MCH	5.18	13	PASS
		HCH	5.64	13	PASS
BC1	CDMA/EV-DO/Subtype0	LCH	6.12	13	PASS
		MCH	6.14	13	PASS
		HCH	6.05	13	PASS
	CDMA/EV-DO/Subtype2	LCH	4.71	13	PASS
		MCH	5.41	13	PASS
		HCH	4.53	13	PASS

3Appendix_C: Modulation Characteristics

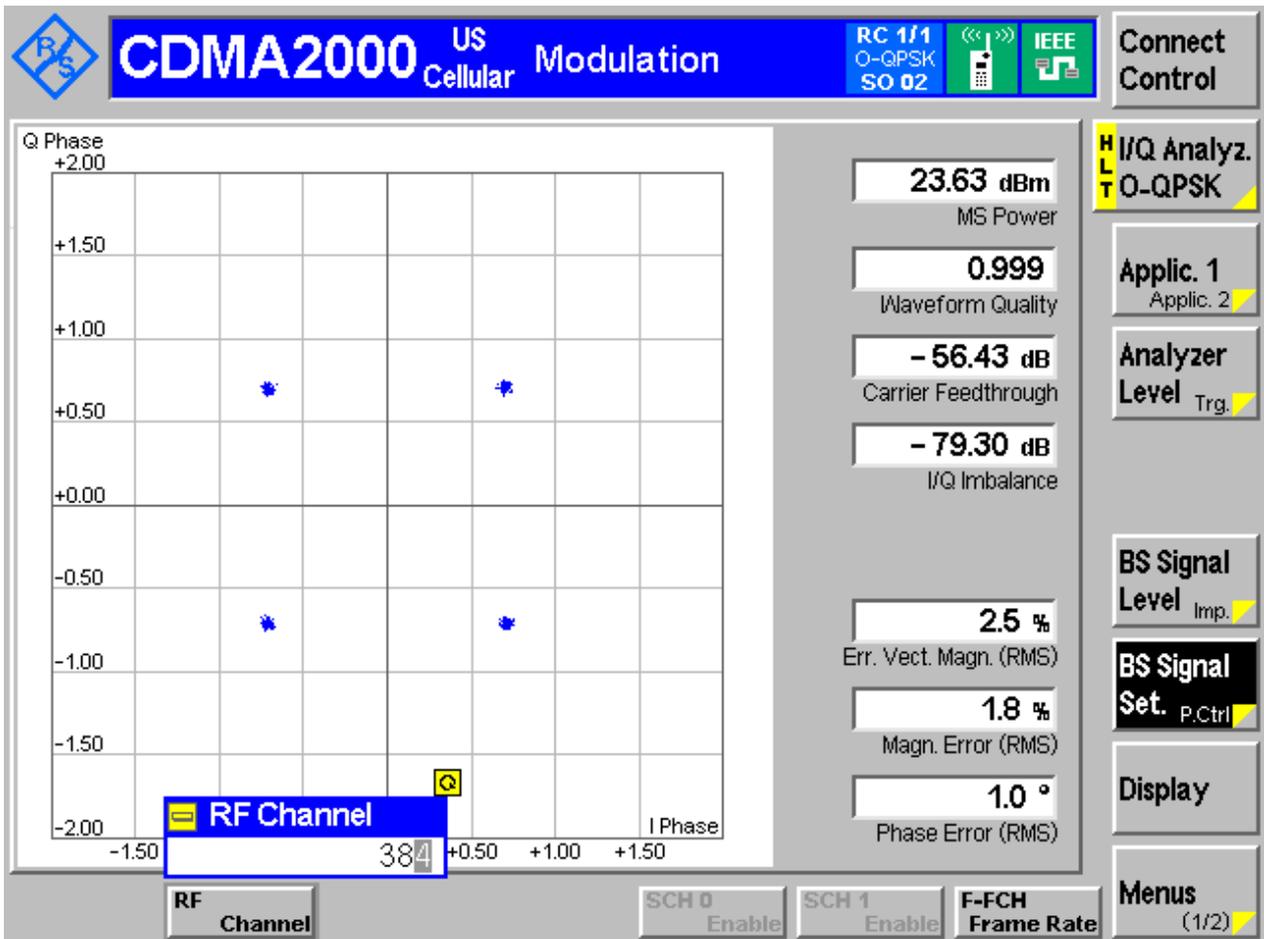
Part I - Test Plots

3.1 For CDMA/1X

3.1.1 Test Band = BC0

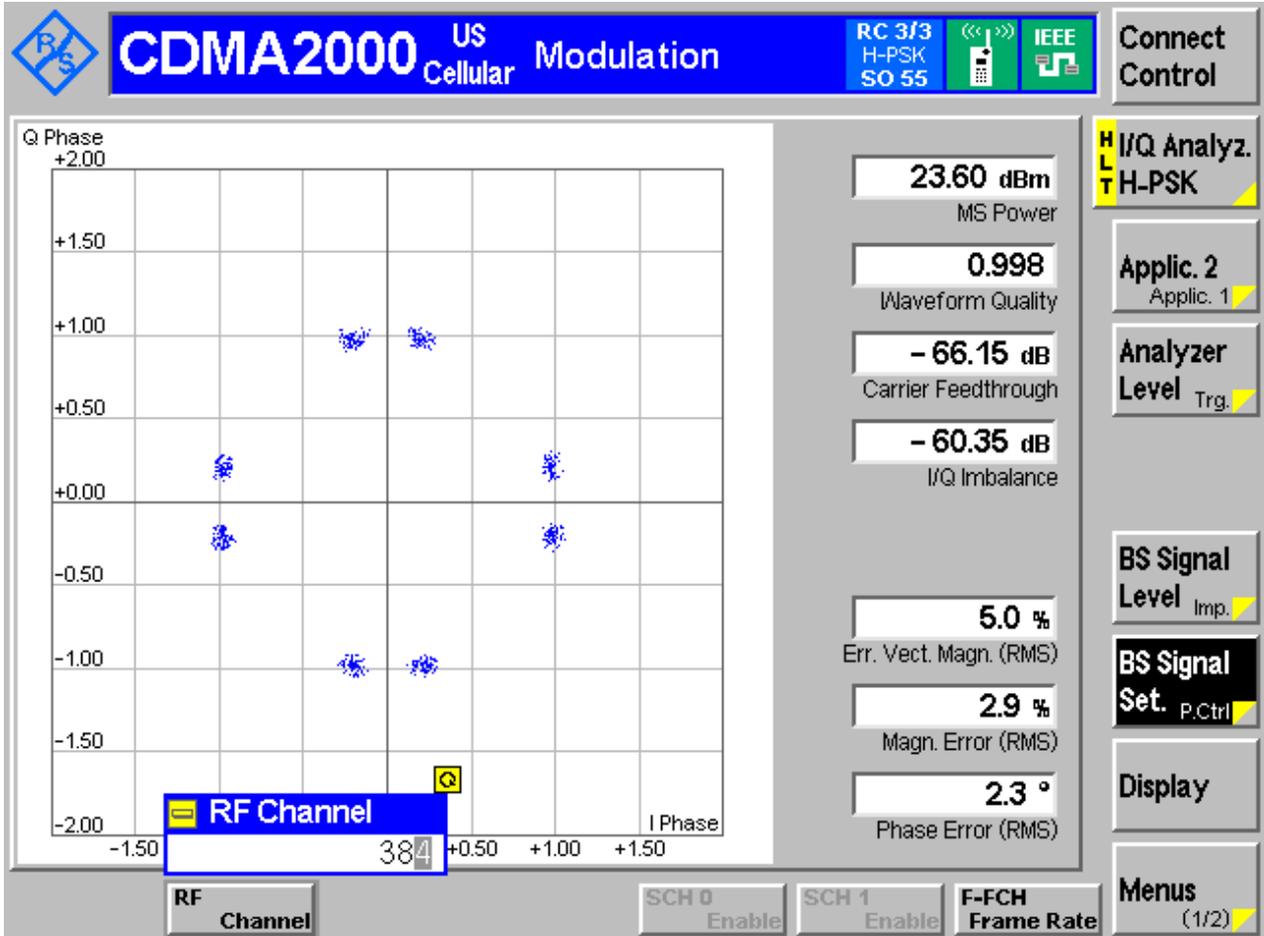
3.1.1.1 Test Mode = CDMA/1X/TM1

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

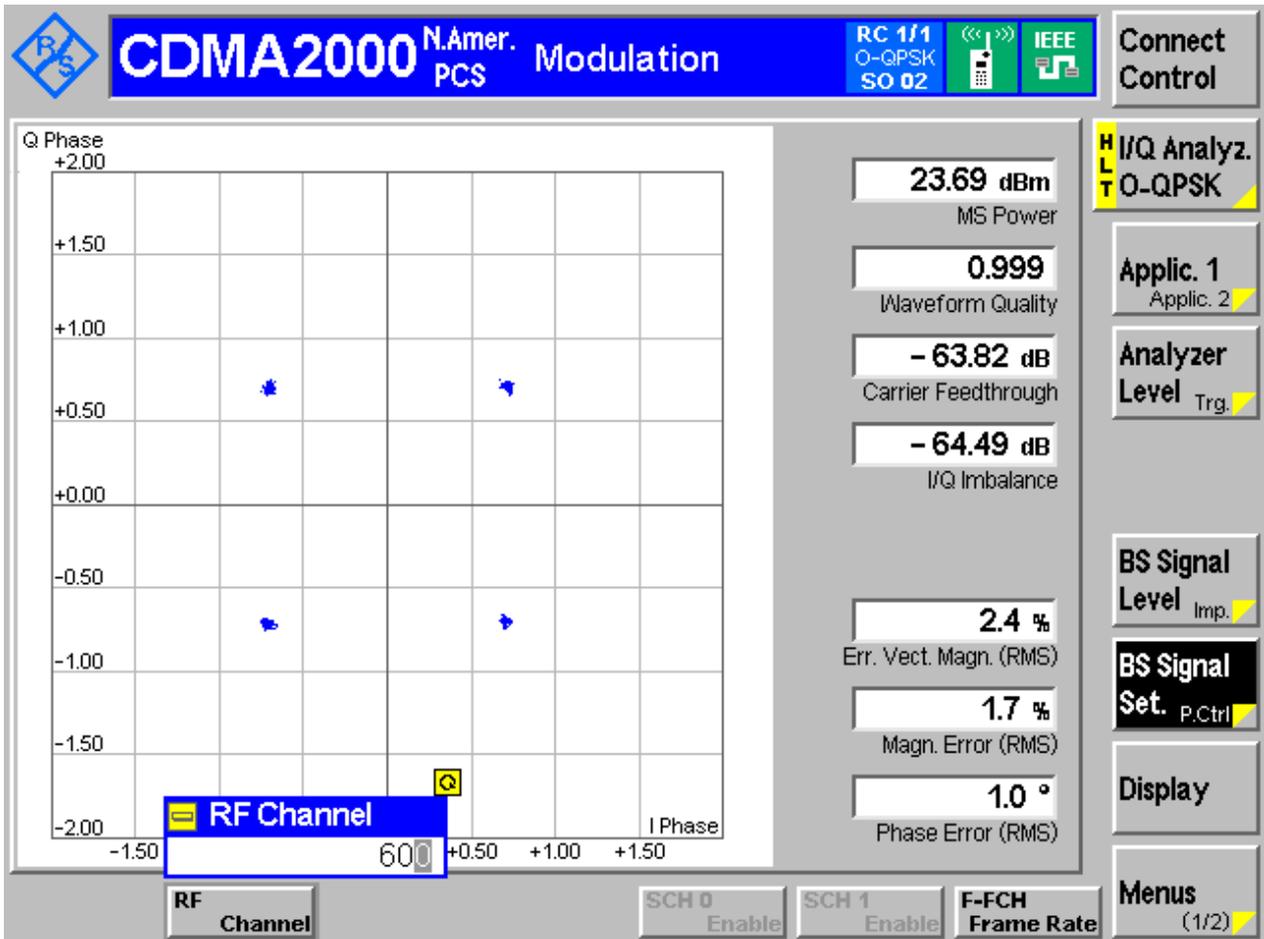




3.1.2 Test Band = BC1

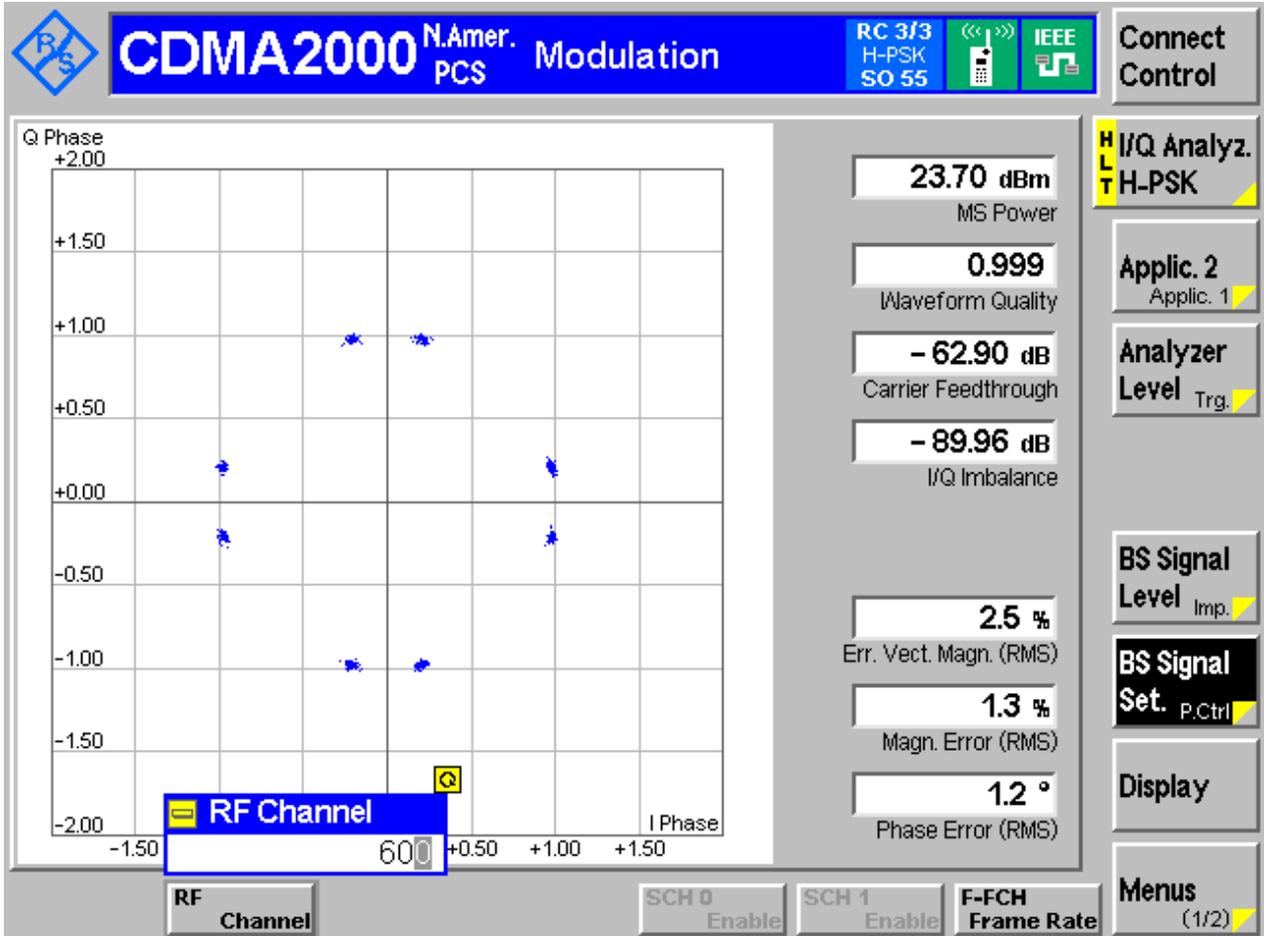
3.1.2.1 Test Mode = CDMA/1X/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = CDMA/1X/TM3

3.1.2.2.1 Test Channel = MCH

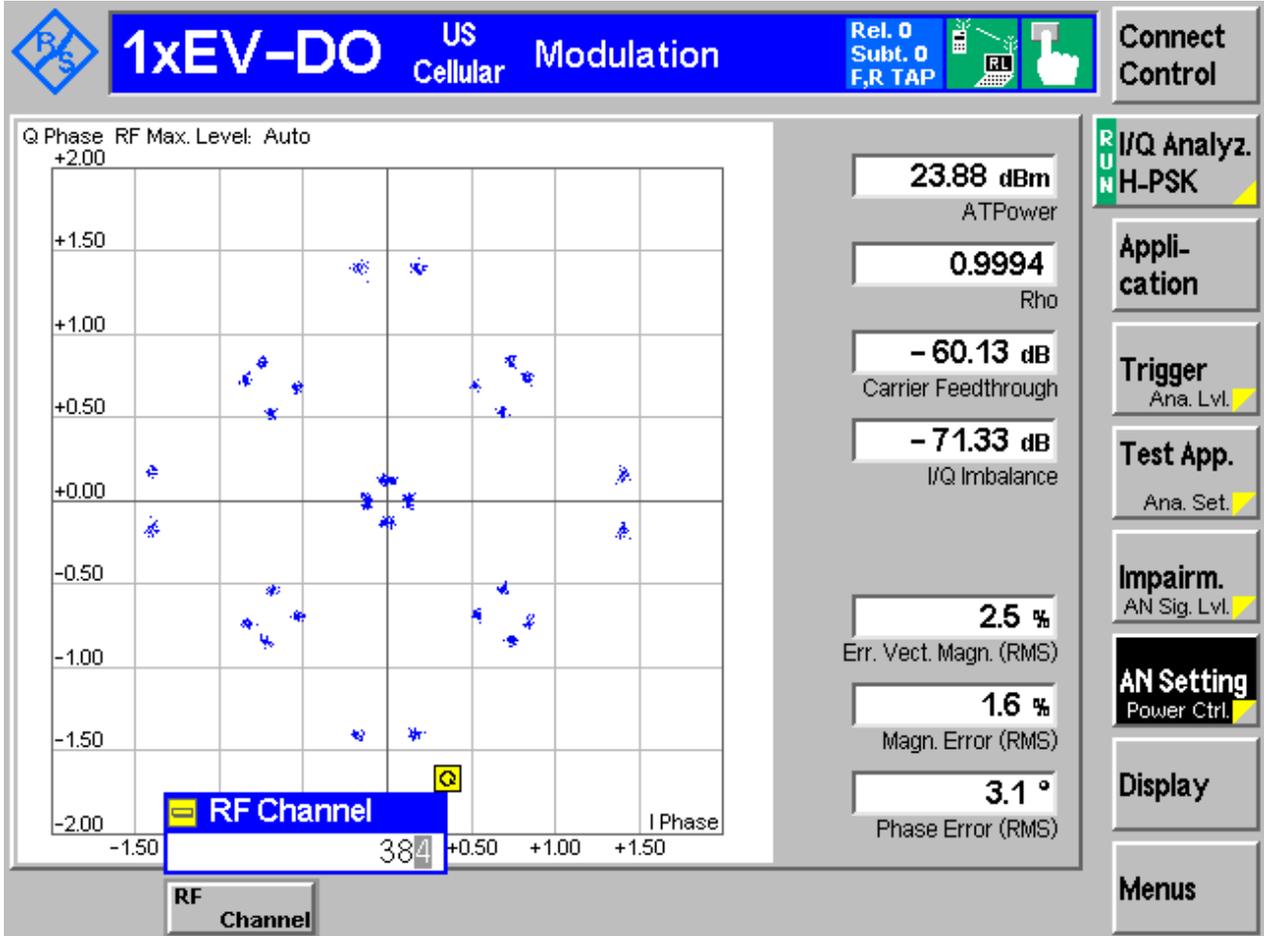


3.2 For CDMA/EV-DO

3.2.1 Test Band = BC0

3.2.1.1 Test Mode = CDMA/EV-DO/Subtype0

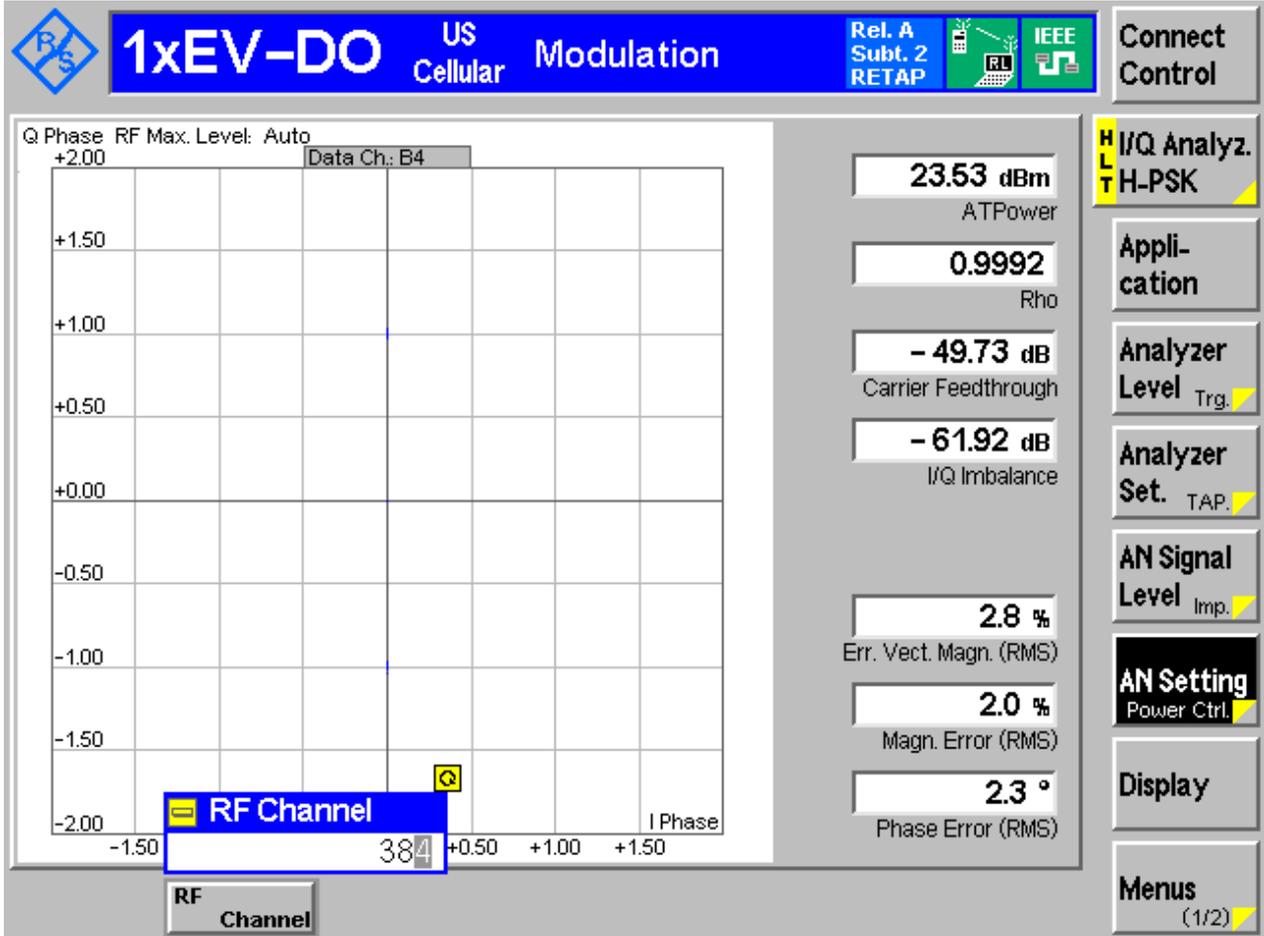
3.2.1.1.1 Test Channel = MCH



3.2.1.1 Test Mode = CDMA/EV-DO/Subtype2

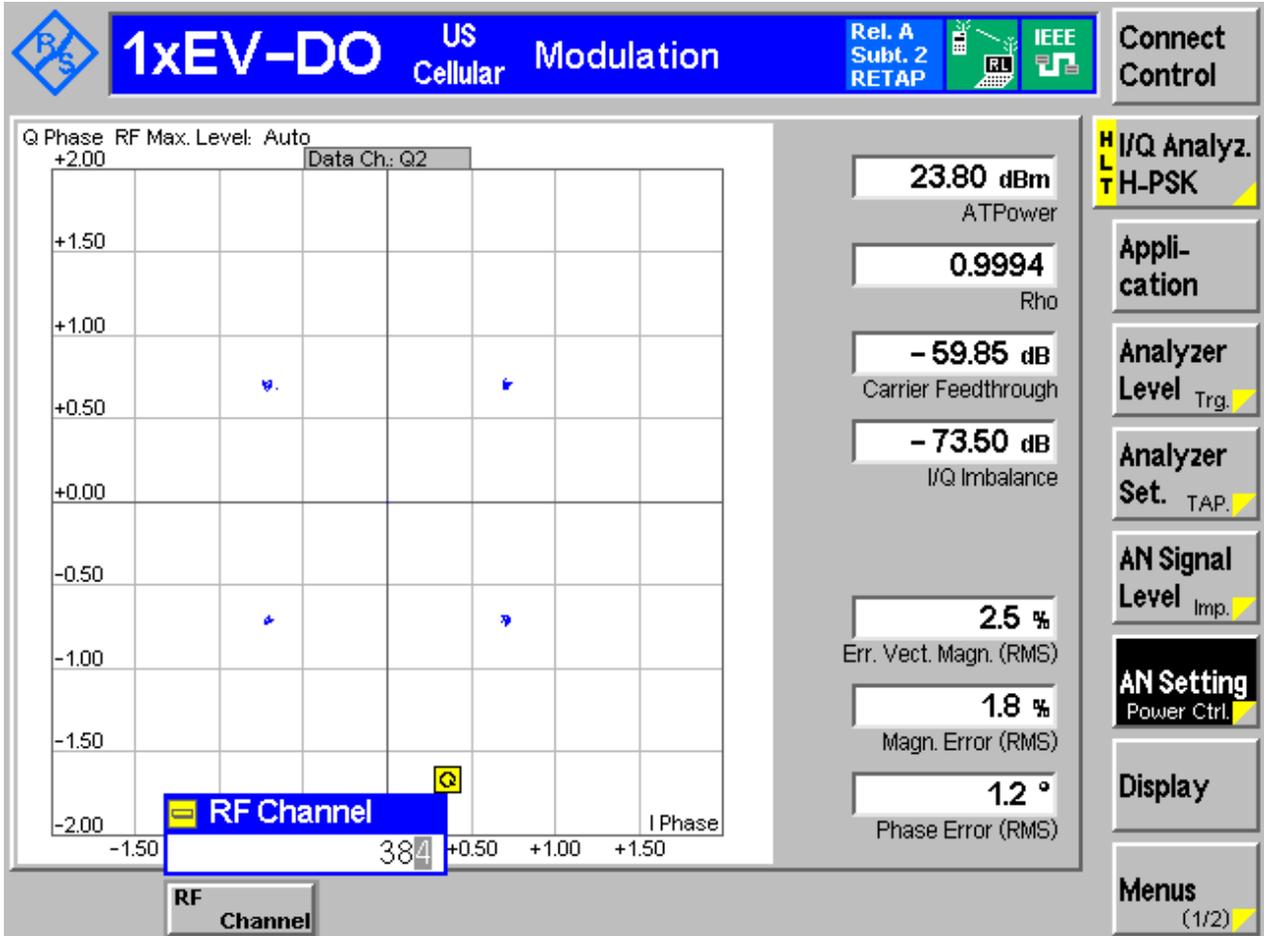
3.2.1.1.1 Test Modulation = BPSK (256 bits)

3.2.1.1.1.1 Test Channel = MCH



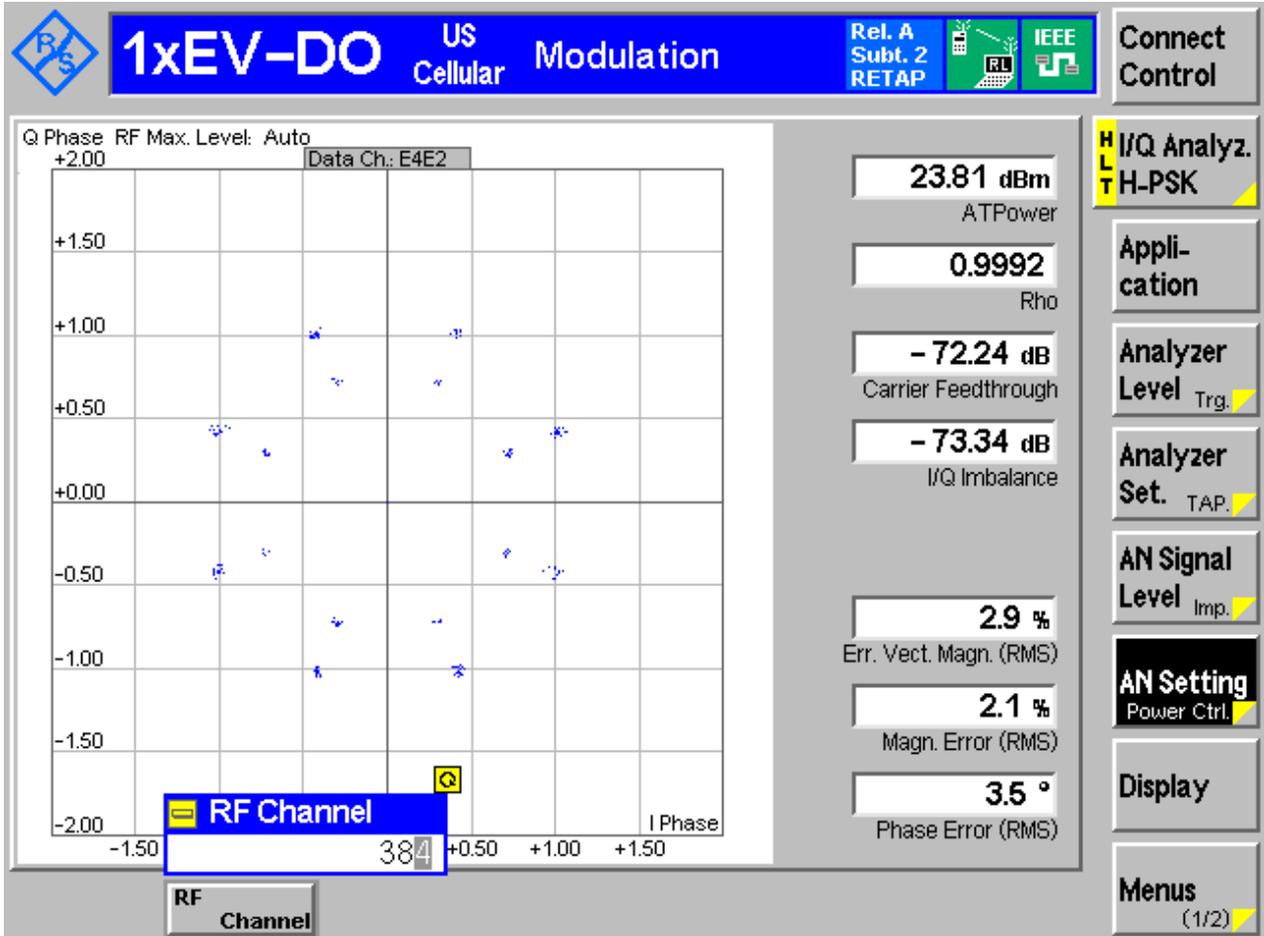
3.2.1.1.2 Test Modulation = QPSK (4096 bits)

3.2.1.1.2.1 Test Channel = MCH



3.2.1.1.3 Test Modulation = 8-PSK (12288 bits)

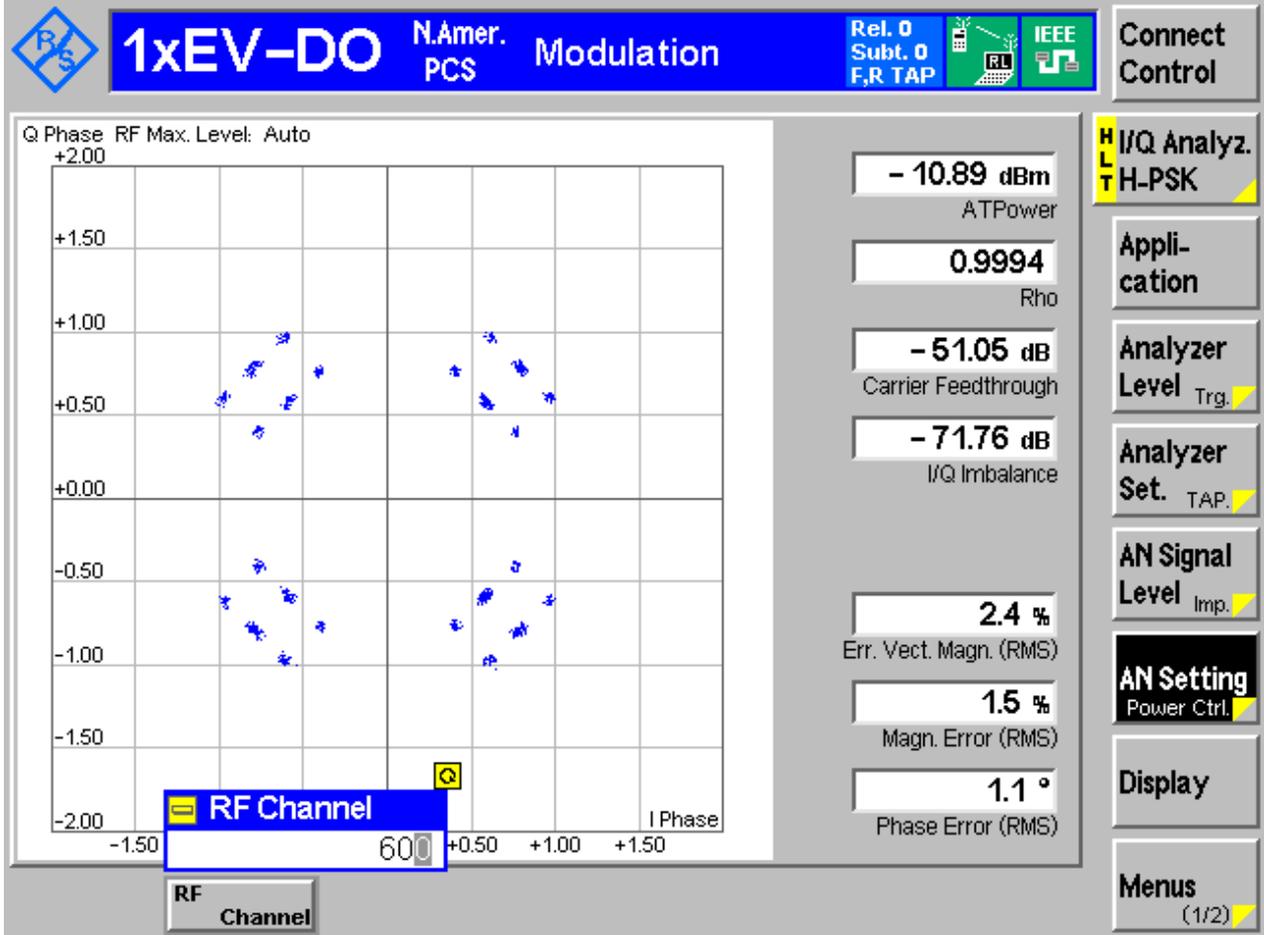
3.2.1.1.3.1 Test Channel = MCH



3.2.1 Test Band = BC1

3.2.1.1 Test Mode = CDMA/EV-DO/Subtype0

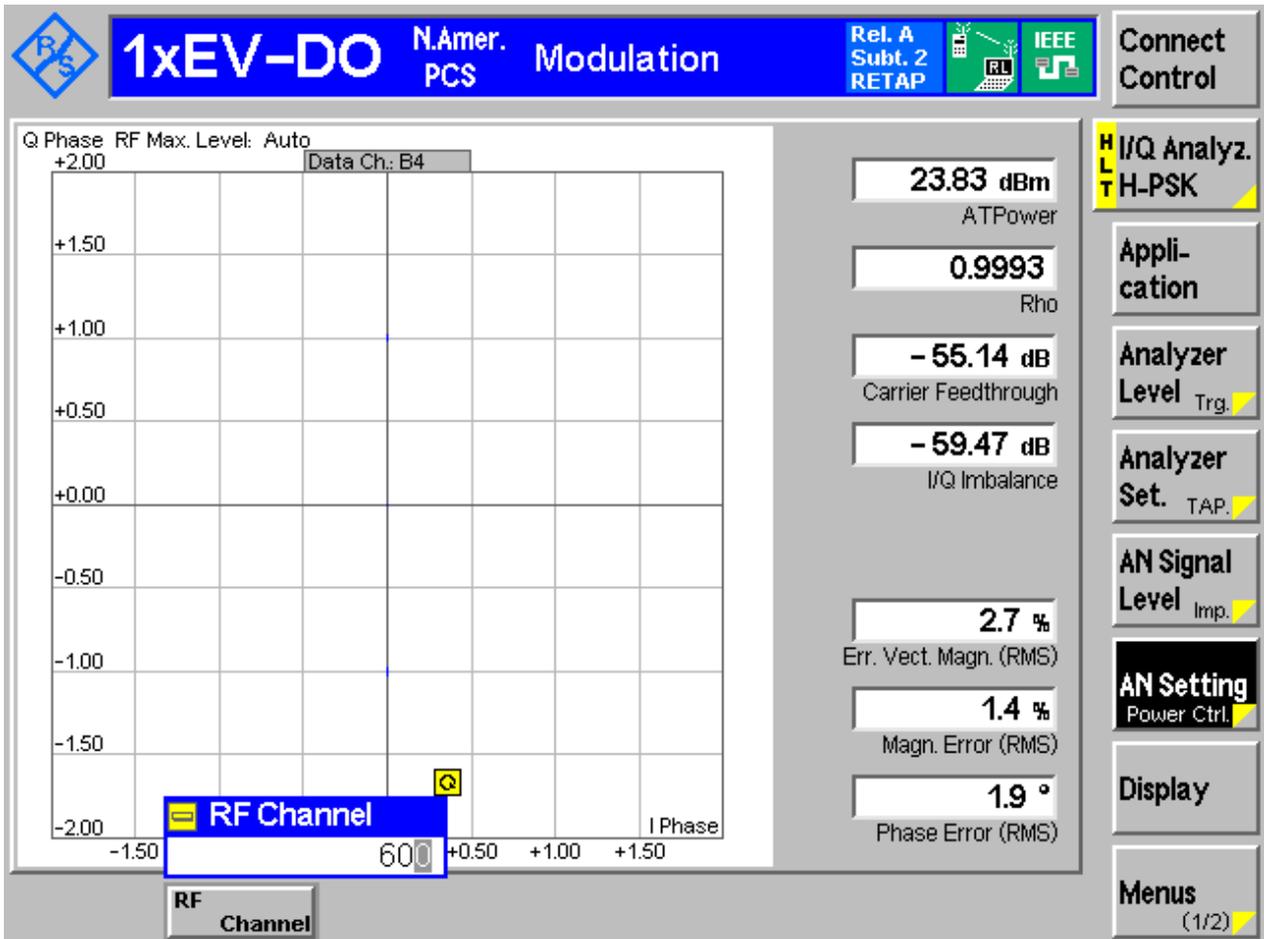
3.2.1.1.1 Test Channel = MCH



3.2.1.1 Test Mode = CDMA/EV-DO/Subtype2

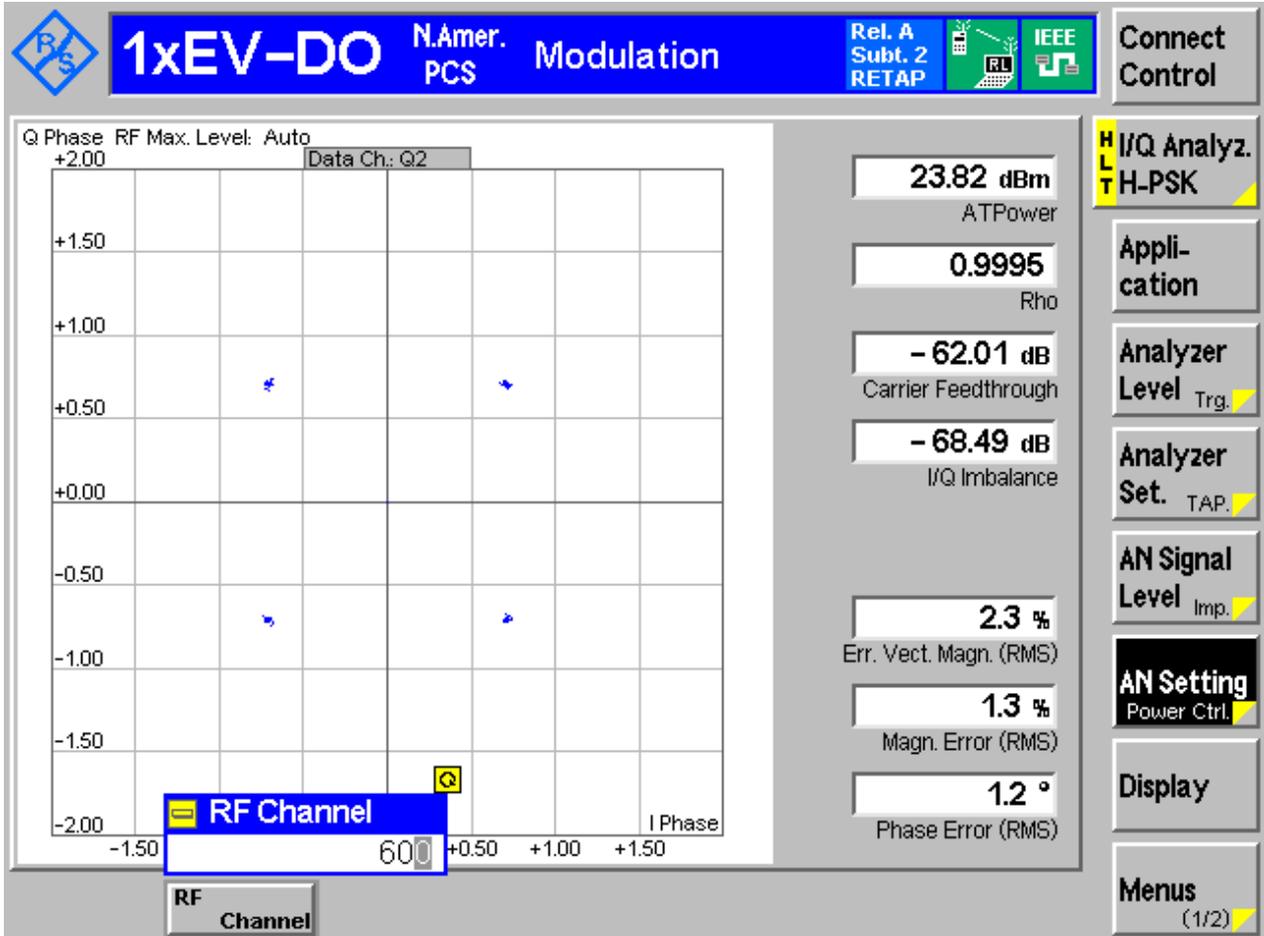
3.2.1.1.1 Test Modulation = BPSK (256 bits)

3.2.1.1.1.1 Test Channel = MCH



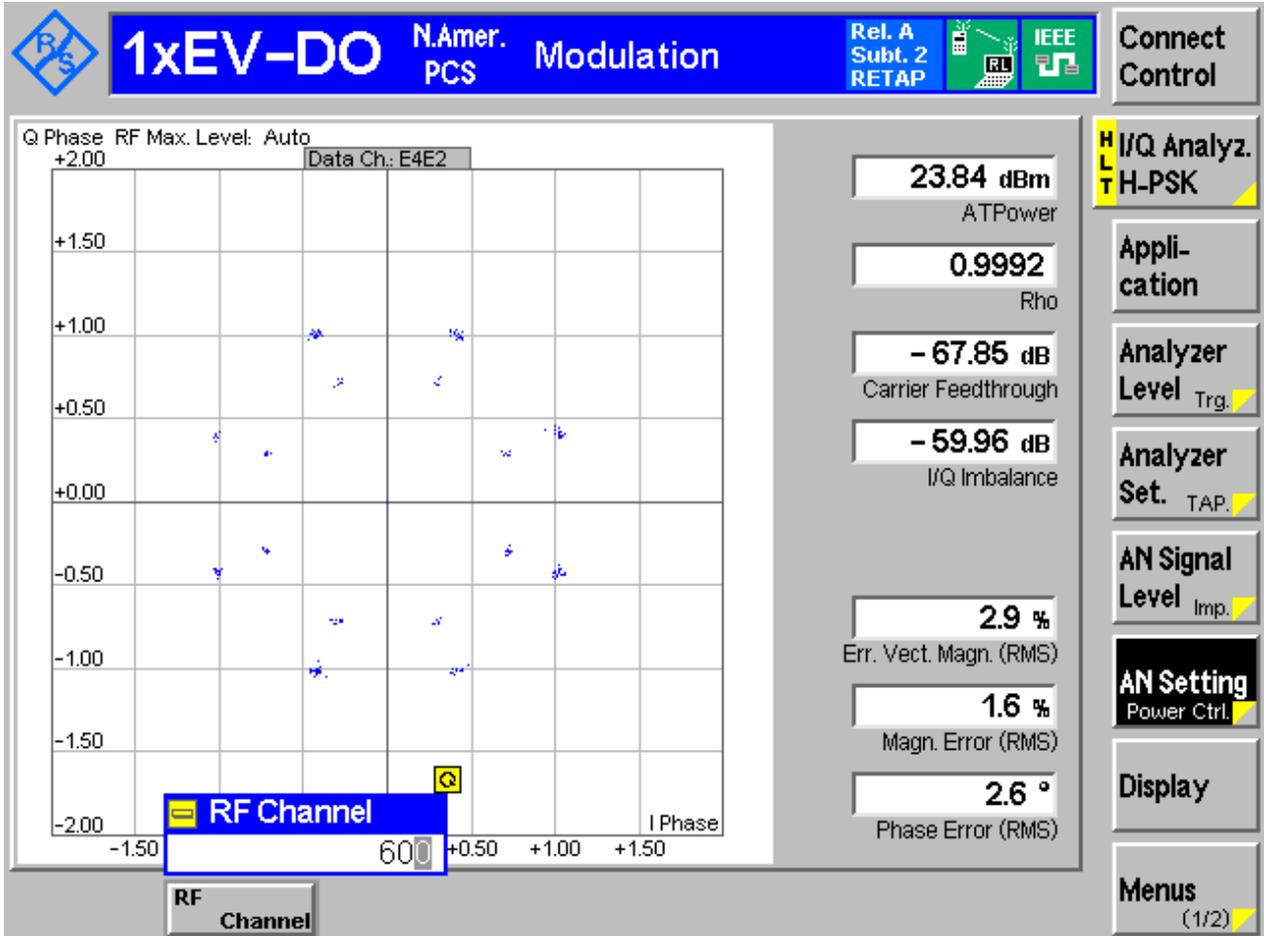
3.2.1.1.2 Test Modulation = QPSK (4096 bits)

3.2.1.1.2.1 Test Channel = MCH



3.2.1.1.3 Test Modulation = 8-PSK (12288 bits)

3.2.1.1.3.1 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	1.29	1.45	Pass
		MCH	1.29	1.45	Pass
		HCH	1.29	1.45	Pass
	CDMA/1X/TM3	LCH	1.28	1.45	Pass
		MCH	1.28	1.45	Pass
		HCH	1.28	1.44	Pass
BC1	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	1.45	Pass
		HCH	1.28	1.45	Pass

Test Band	Test Mode	Test Modulation(R-Data)	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BC0	CDMA/EV-DO/Subtype0	HPSK	LCH	1.28	1.44	Pass
			MCH	1.29	1.45	Pass
			HCH	1.28	1.45	Pass
	CDMA/EV-DO/Subtype2	BPSK(256 bits)	LCH	1.28	1.45	Pass
			MCH	1.28	1.45	Pass
			HCH	1.28	1.45	Pass
		QPSK(4096 bits)	LCH	1.28	1.44	Pass
			MCH	1.28	1.45	Pass
			HCH	1.28	3.00	Pass
		8-PSK(12288 bits)	LCH	1.28	3.00	Pass
			MCH	1.28	1.44	Pass
			HCH	1.28	1.44	Pass
BC1	CDMA/EV-DO/Subtype0	HPSK	LCH	1.28	1.45	Pass
			MCH	1.28	1.46	Pass
			HCH	1.28	1.46	Pass
	CDMA/EV-DO/Subtype2	BPSK(256 bits)	LCH	1.28	1.45	Pass
			MCH	1.28	1.45	Pass
			HCH	1.28	1.46	Pass
		QPSK(4096 bits)	LCH	1.28	1.46	Pass
			MCH	1.28	1.45	Pass
			HCH	1.28	1.45	Pass
		8-PSK(12288 bits)	LCH	1.28	1.46	Pass
			MCH	1.28	1.46	Pass
			HCH	1.28	1.45	Pass



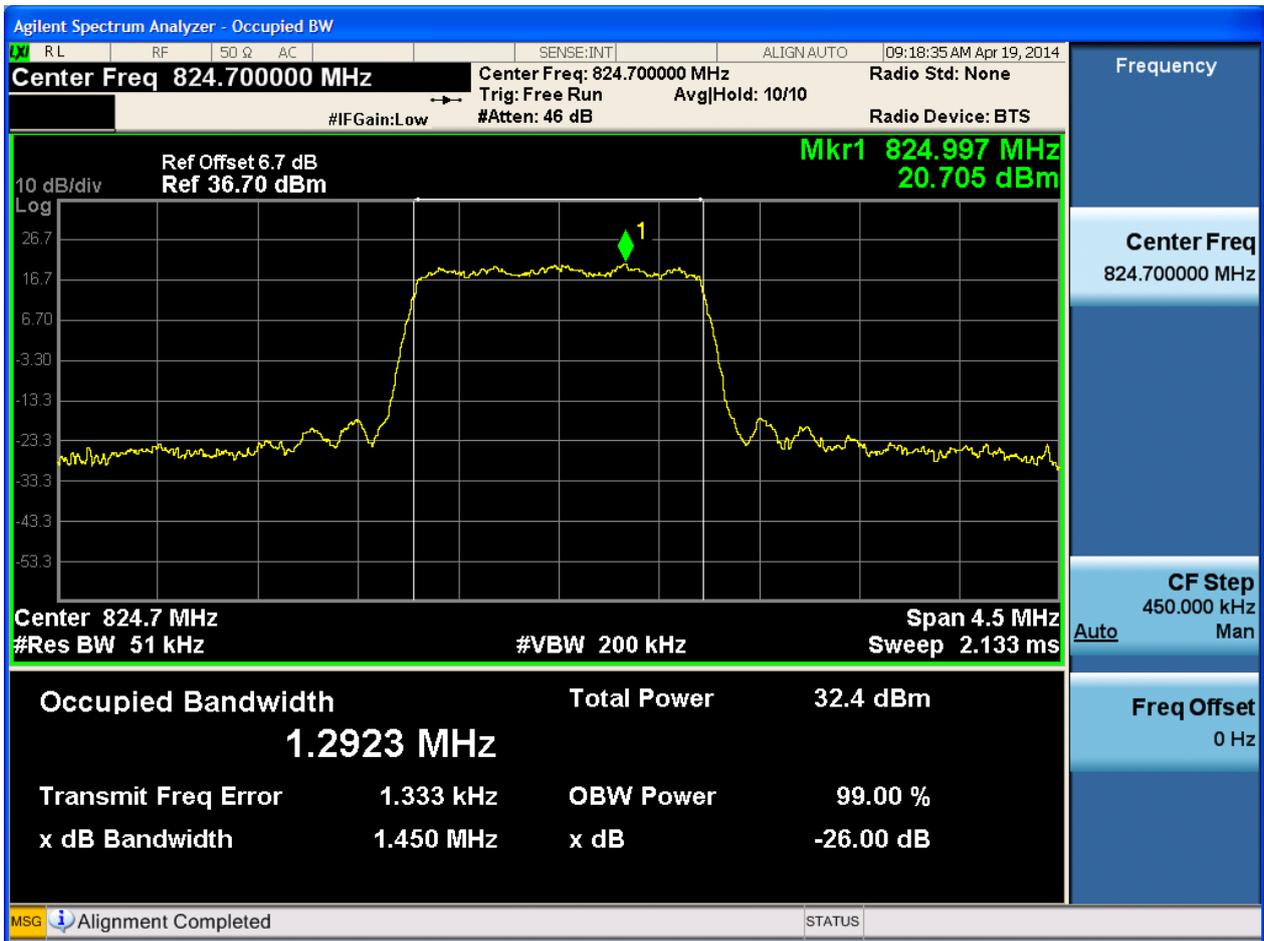
Part II - Test Plots

4.1 For CDMA/1X

4.1.1 Test Band = BC0

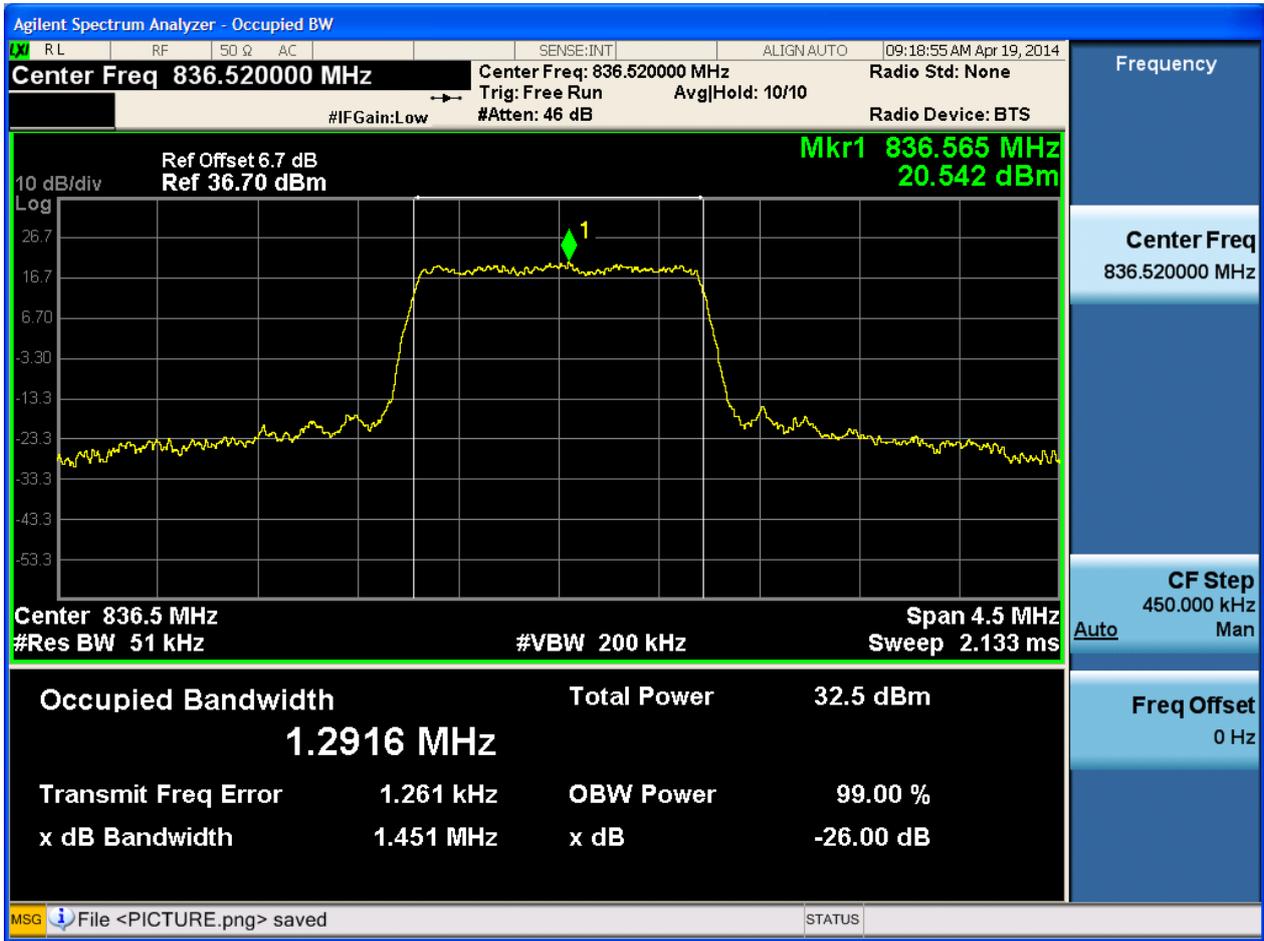
4.1.1.1 Test Mode = CDMA/1X/TM1

4.1.1.1.1 Test Channel = LCH



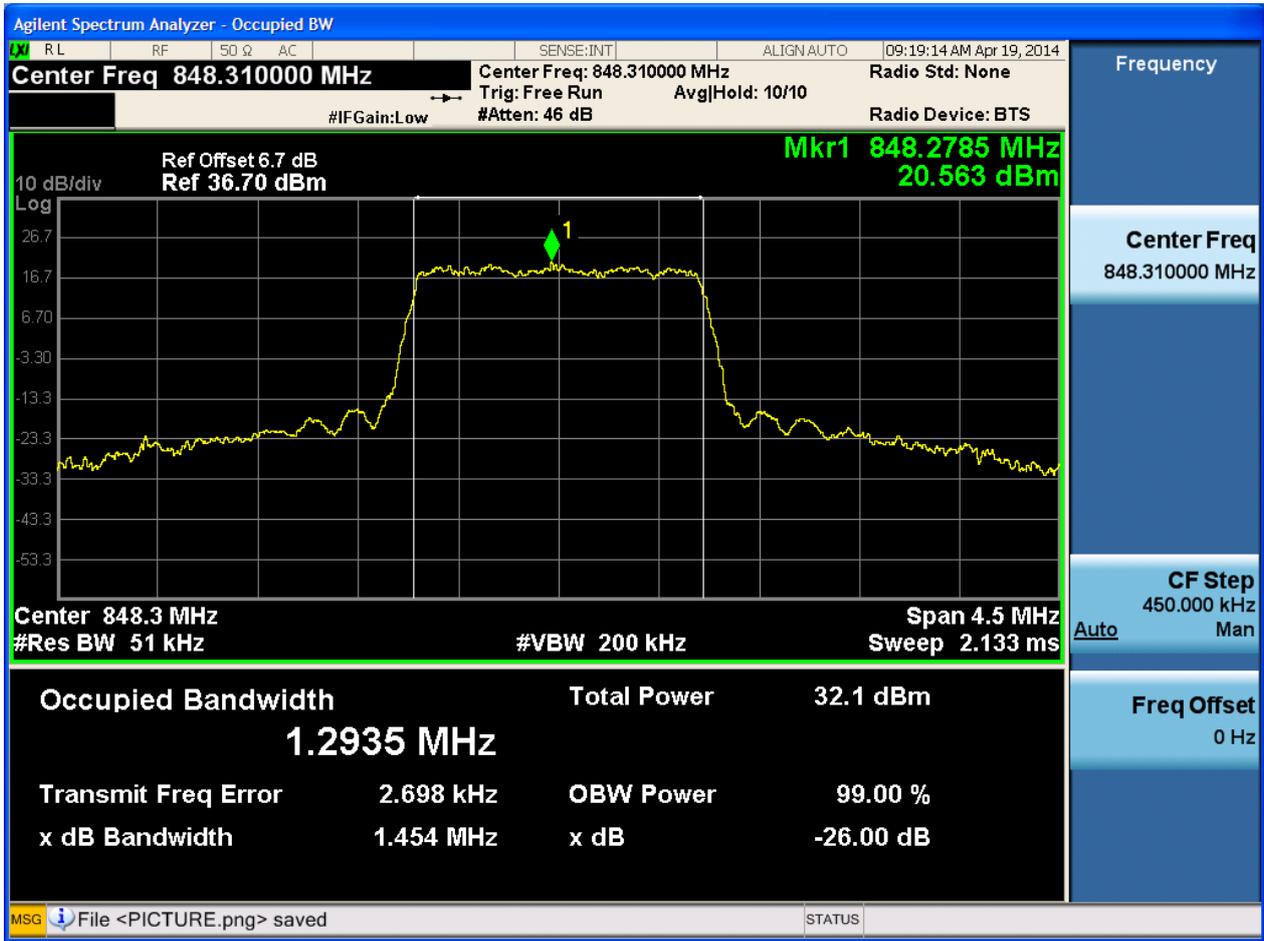


4.1.1.1.2 Test Channel = MCH





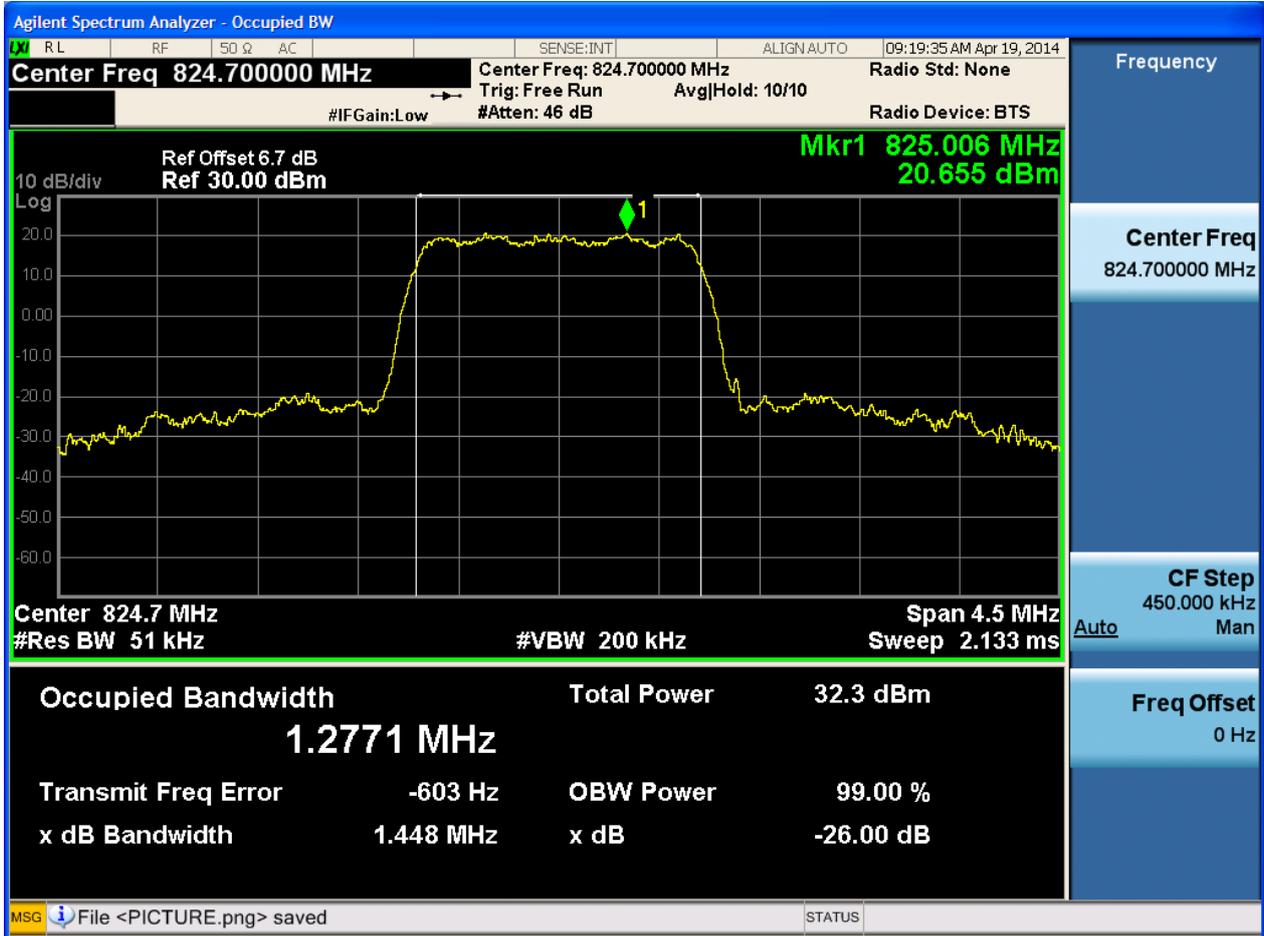
4.1.1.1.3 Test Channel = HCH





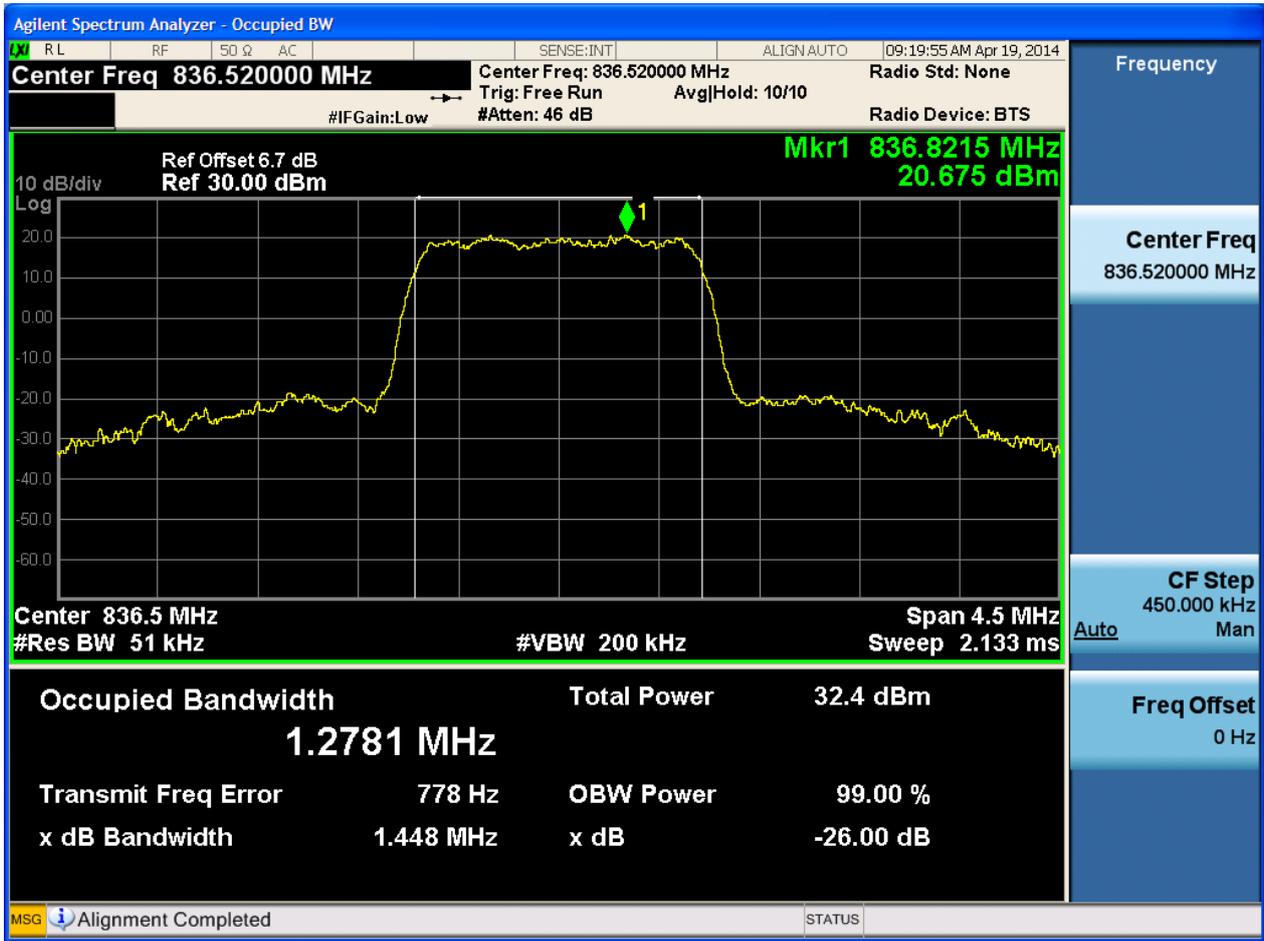
4.1.1.2 Test Mode = CDMA/1X/TM3

4.1.1.2.1 Test Channel = LCH



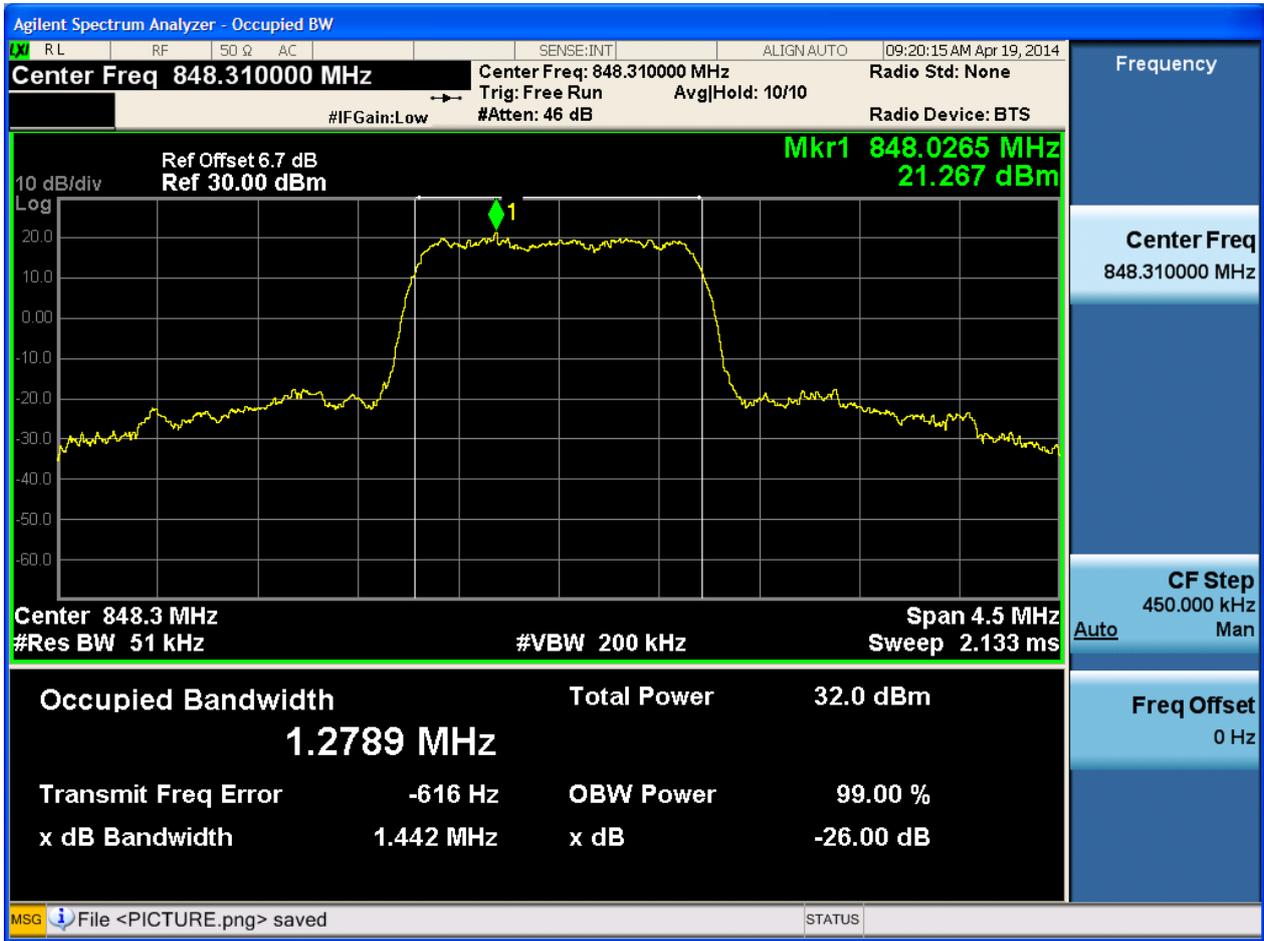


4.1.1.2.2 Test Channel = MCH





4.1.1.2.3 Test Channel = HCH

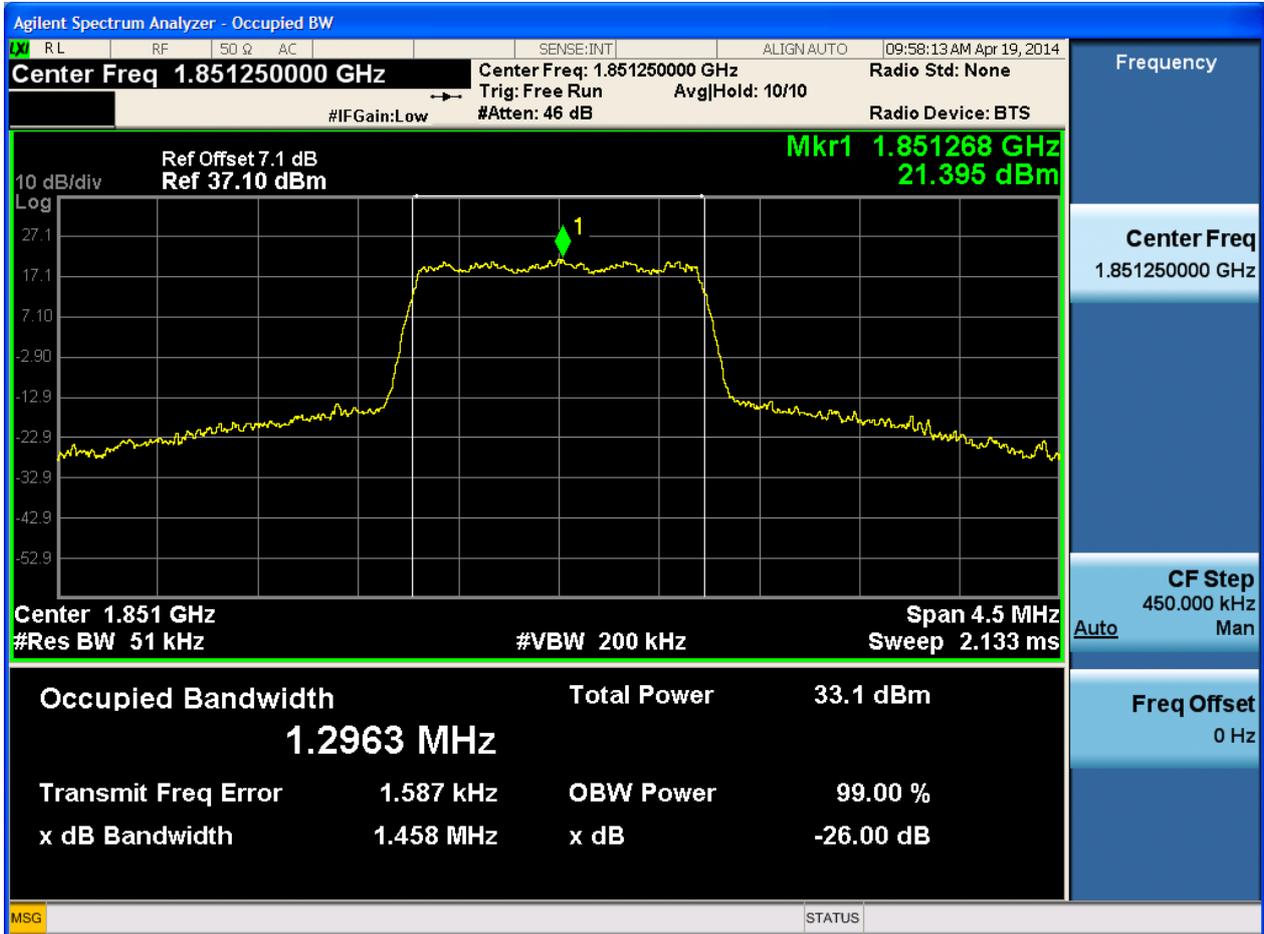




4.1.2 Test Band = BC1

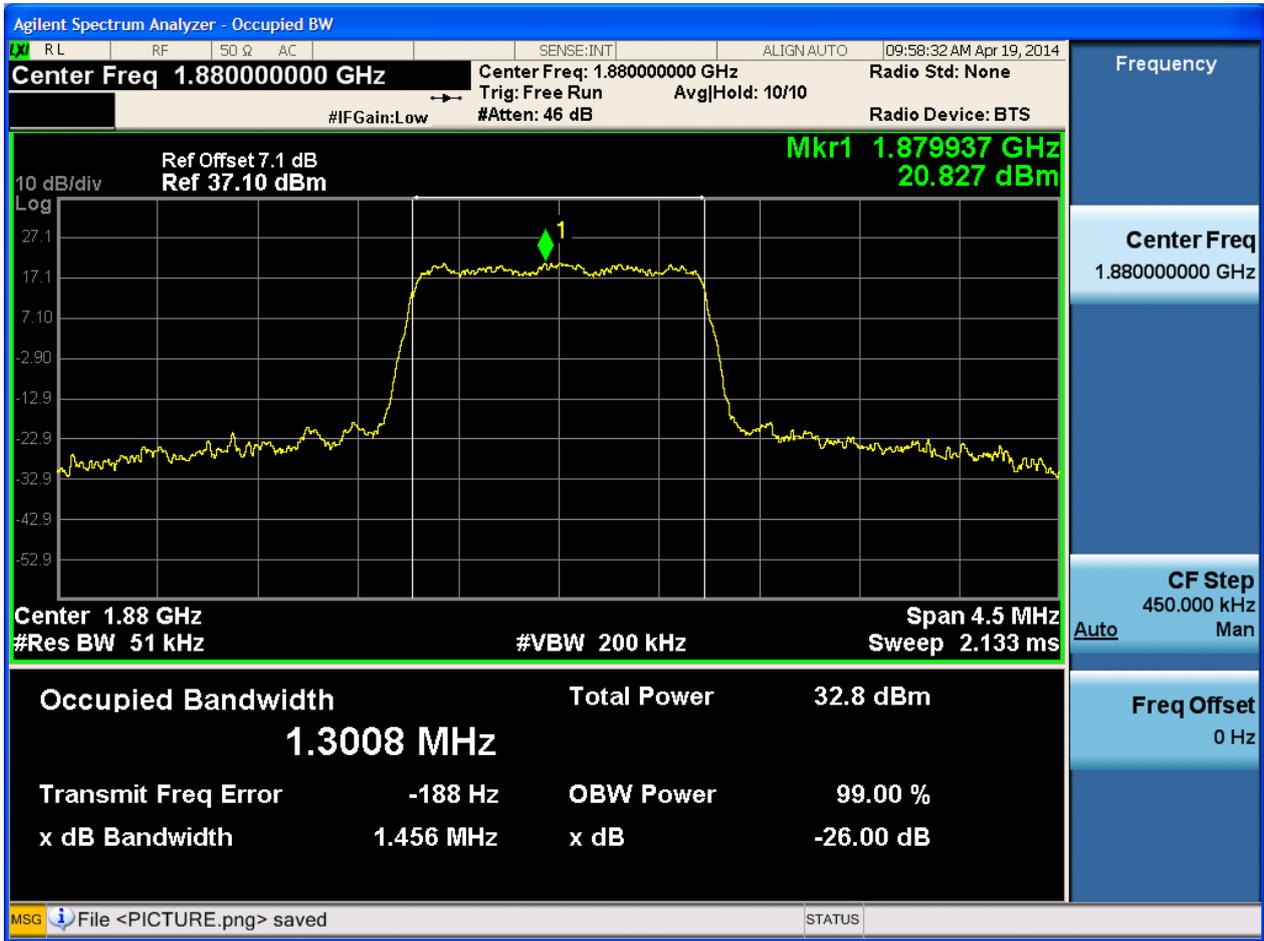
4.1.2.1 Test Mode = CDMA/1X/TM1

4.1.2.1.1 Test Channel = LCH



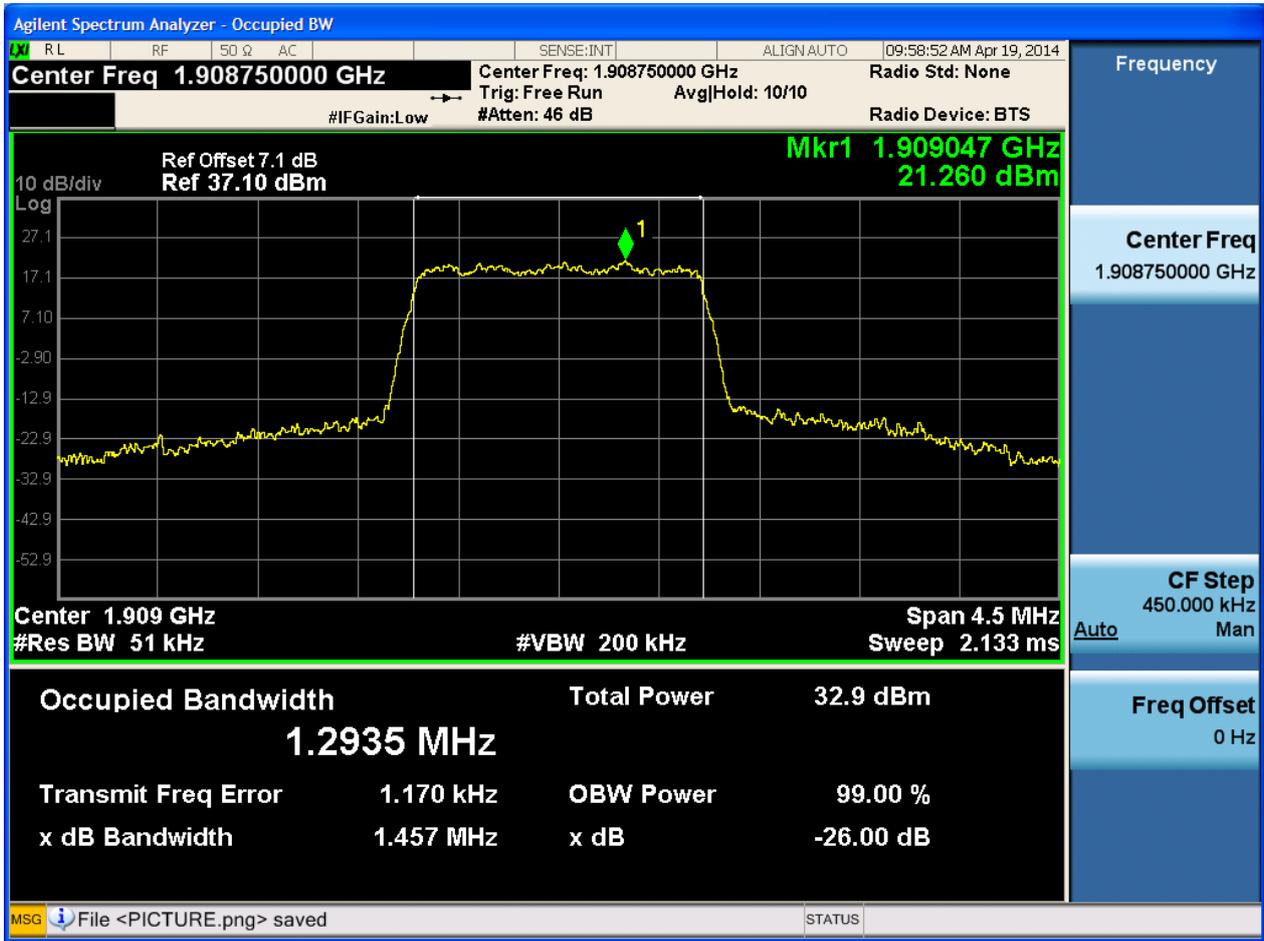


4.1.2.1.2 Test Channel = MCH





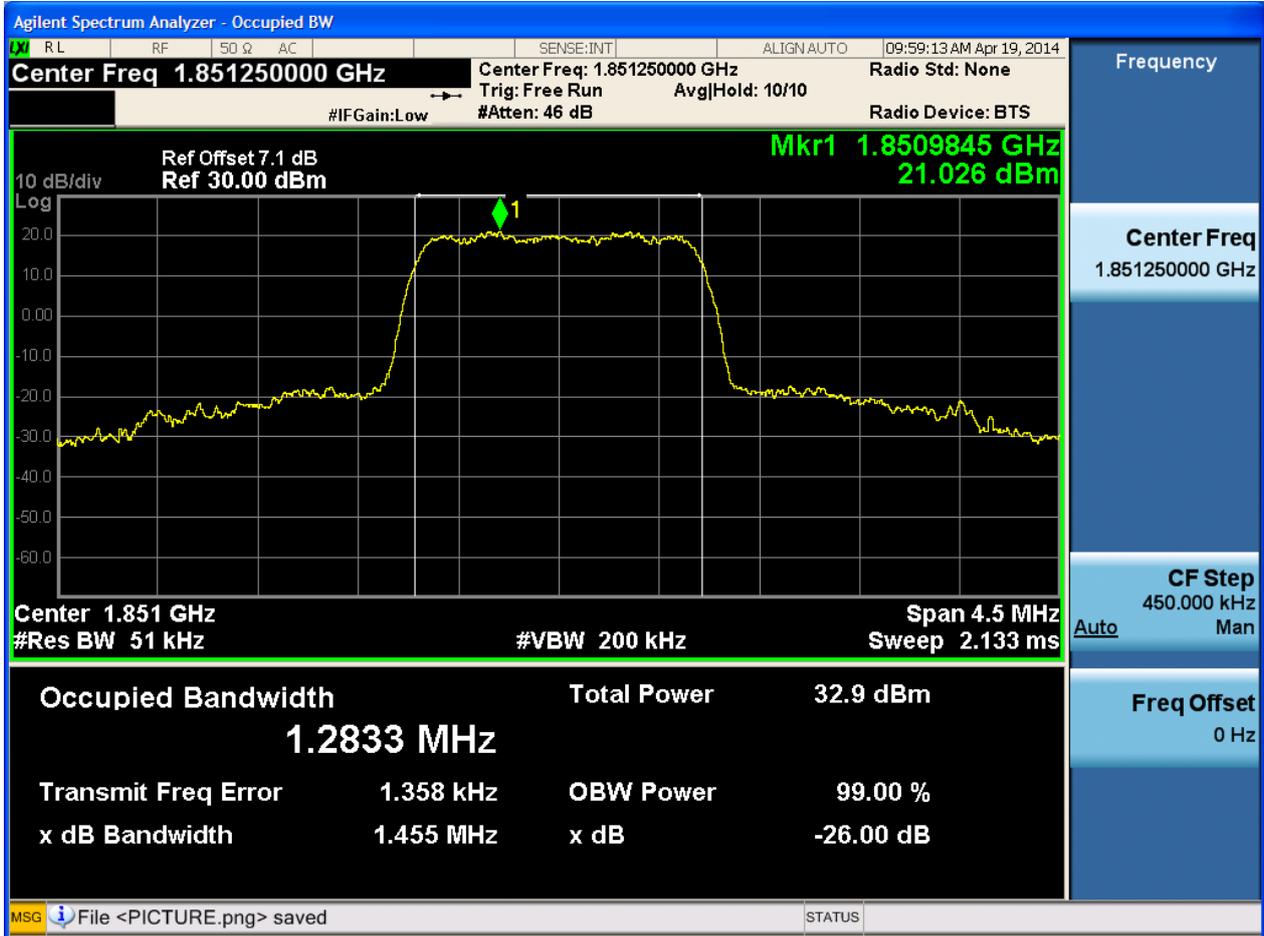
4.1.2.1.3 Test Channel = HCH





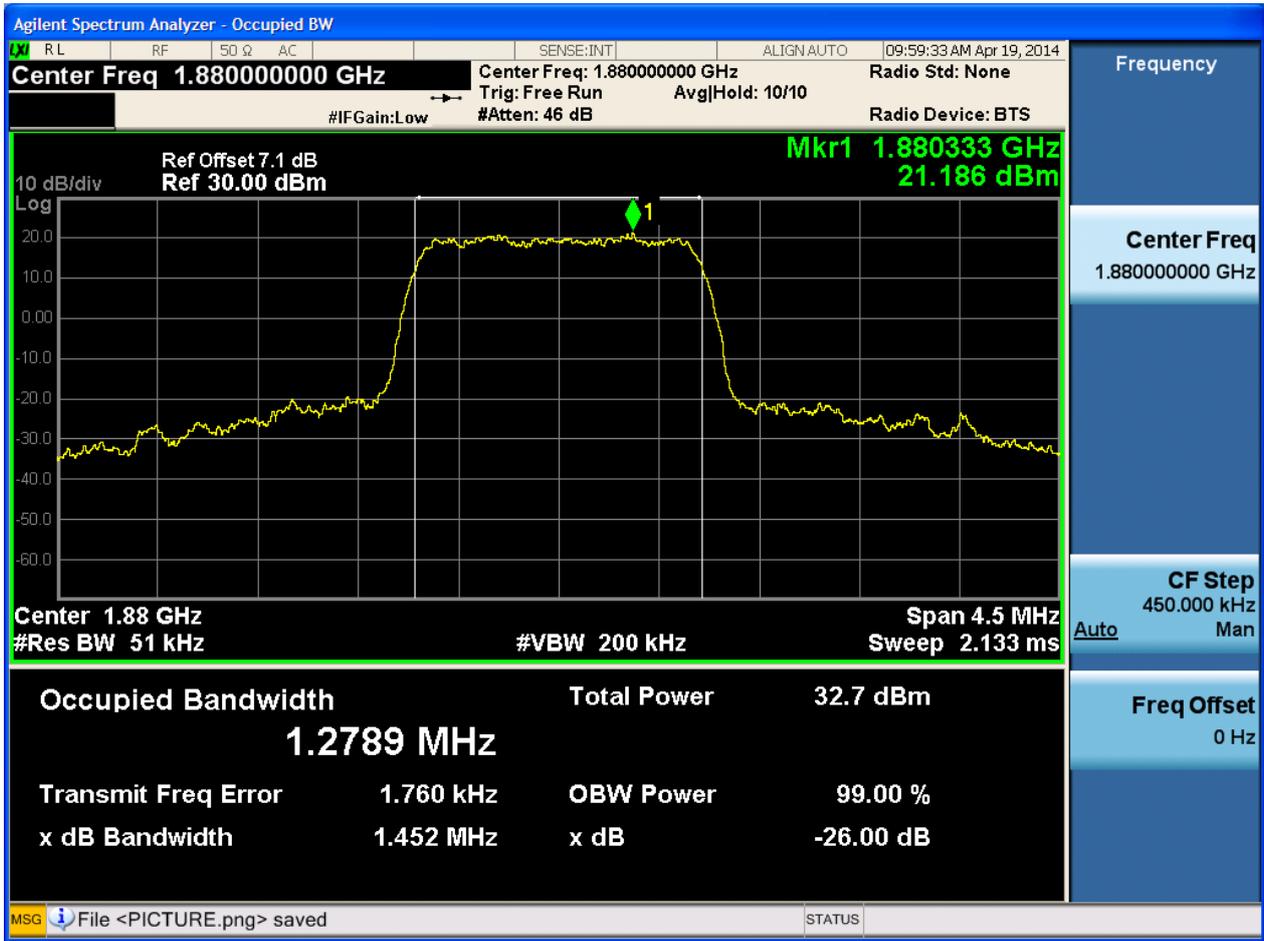
4.1.2.2 Test Mode = CDMA/1X/TM3

4.1.2.2.1 Test Channel = LCH



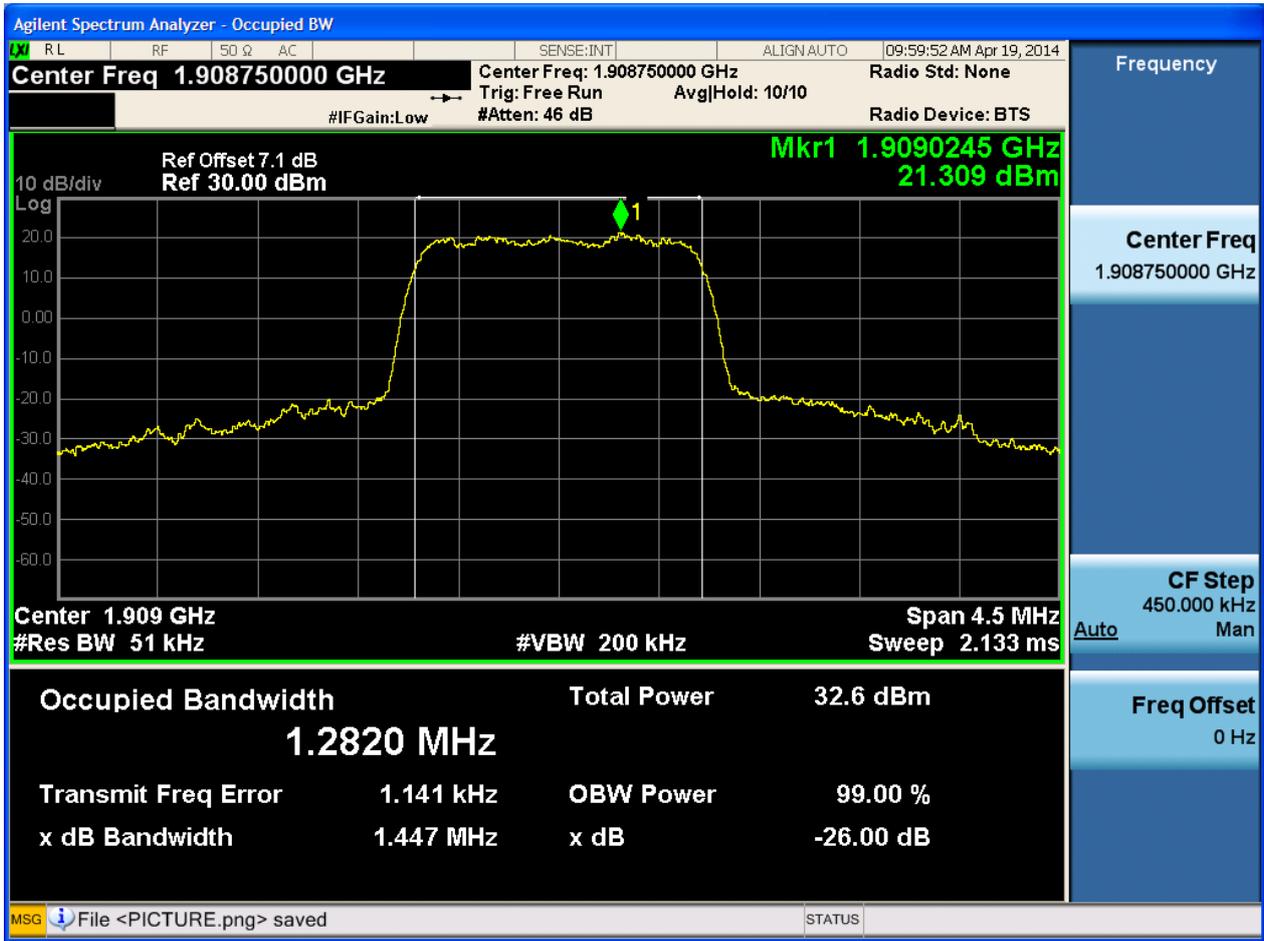


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH





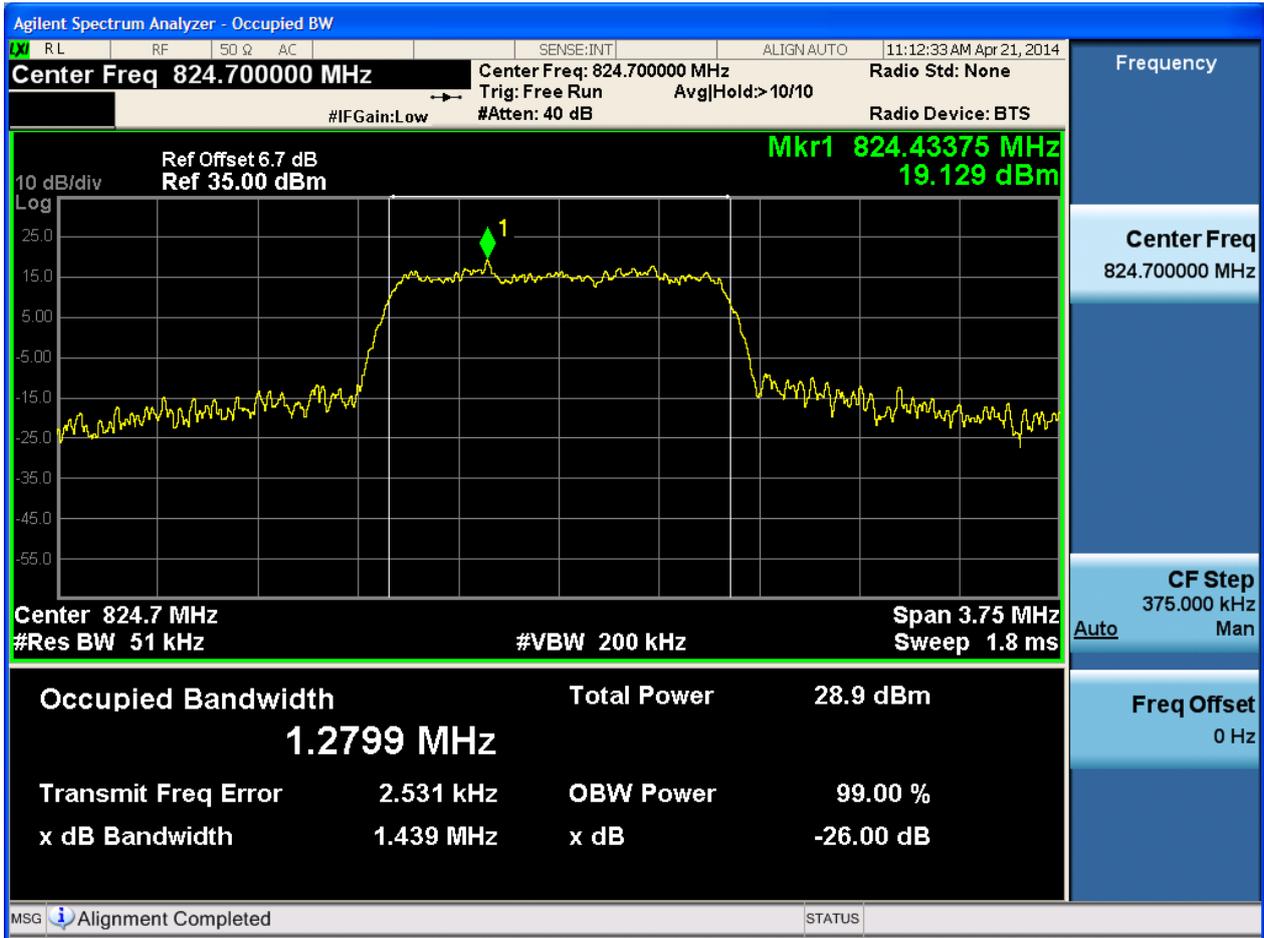
4.2 For CDMA/EV-DO

4.2.1 Test Band = BC0

4.2.1.1 Test Mode = CDMA/EV-DO/Subtype0

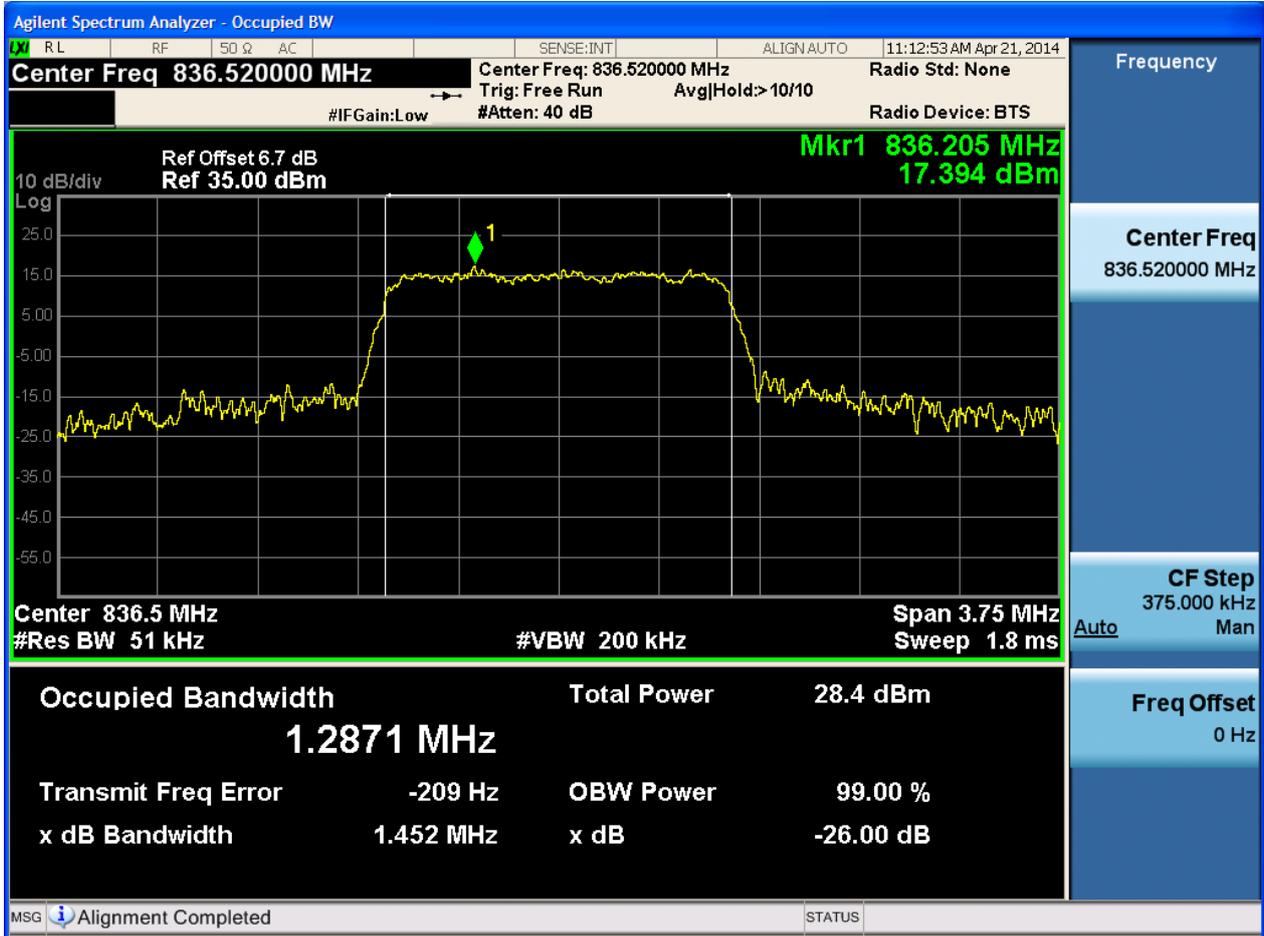
4.2.1.1.1 Test Modulation = HPSK

4.2.1.1.1.1 Test Channel = LCH



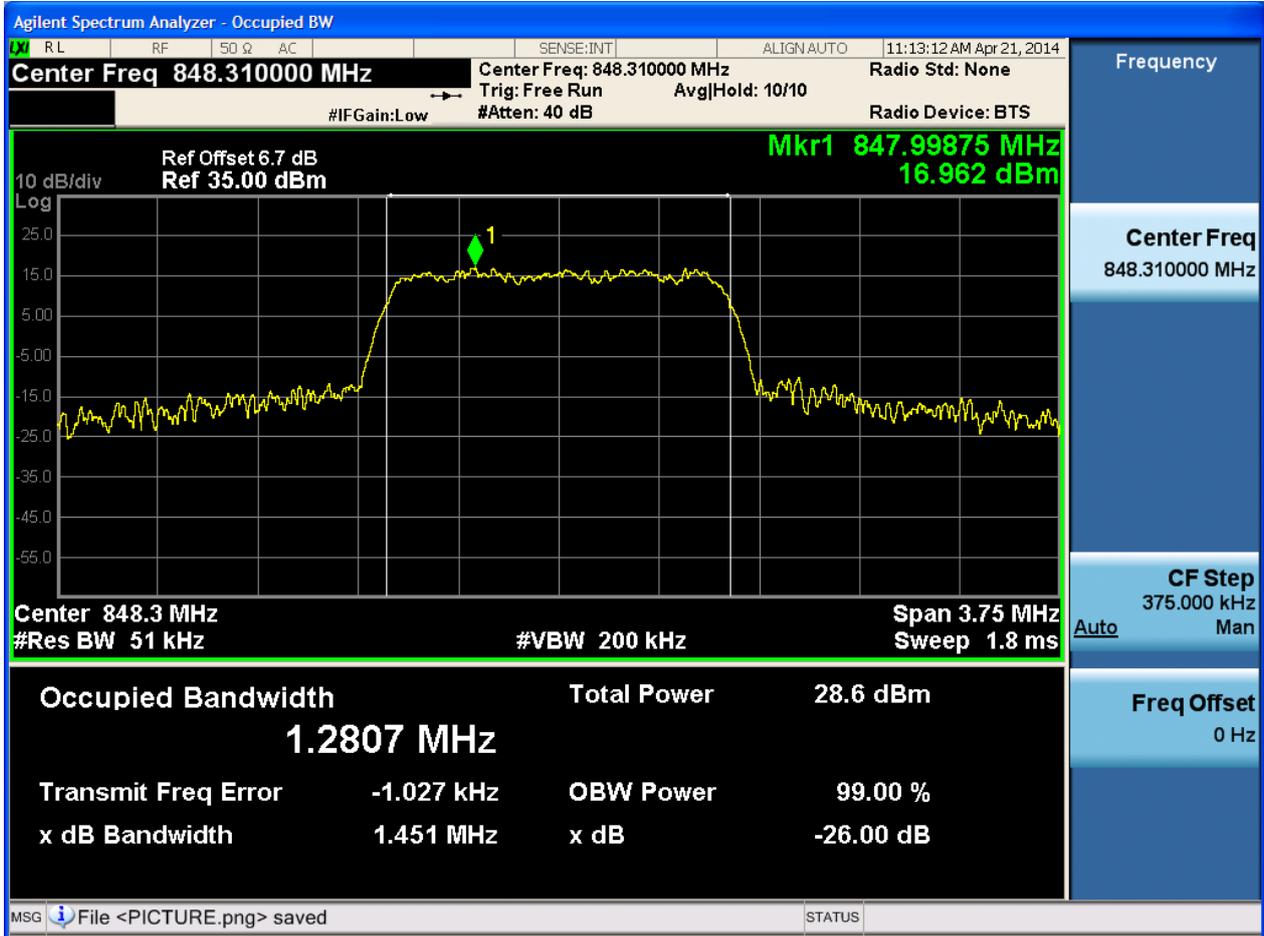


4.2.1.1.1.2 Test Channel = MCH





4.2.1.1.1.3 Test Channel = HCH





4.2.1.2 Test Mode = CDMA/EV-DO/Subtype2

4.2.1.2.1 Test Modulation = BPSK (256 bits)

4.2.1.2.1.1 Test Channel = LCH



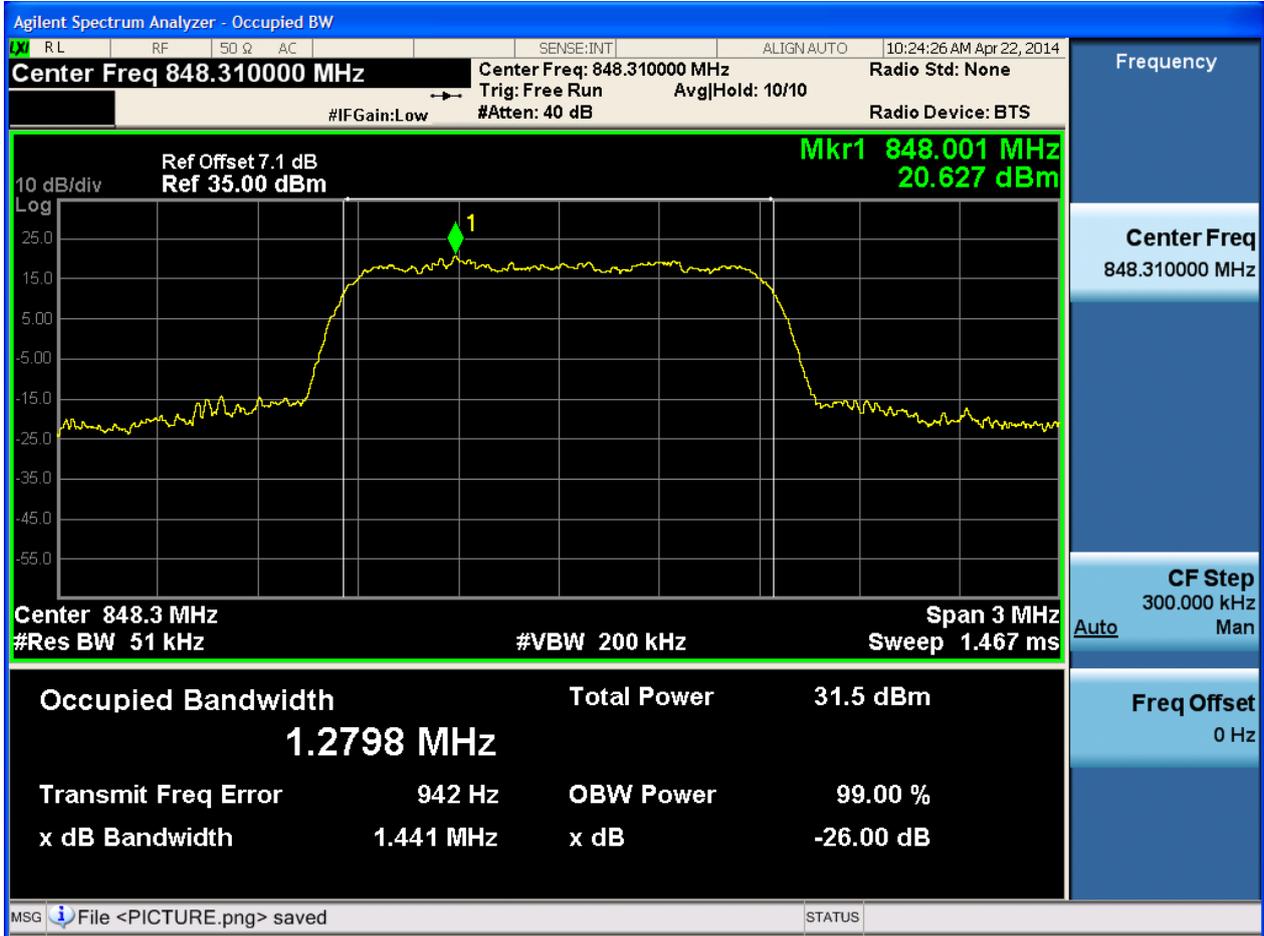


4.2.1.2.1.2 Test Channel = MCH





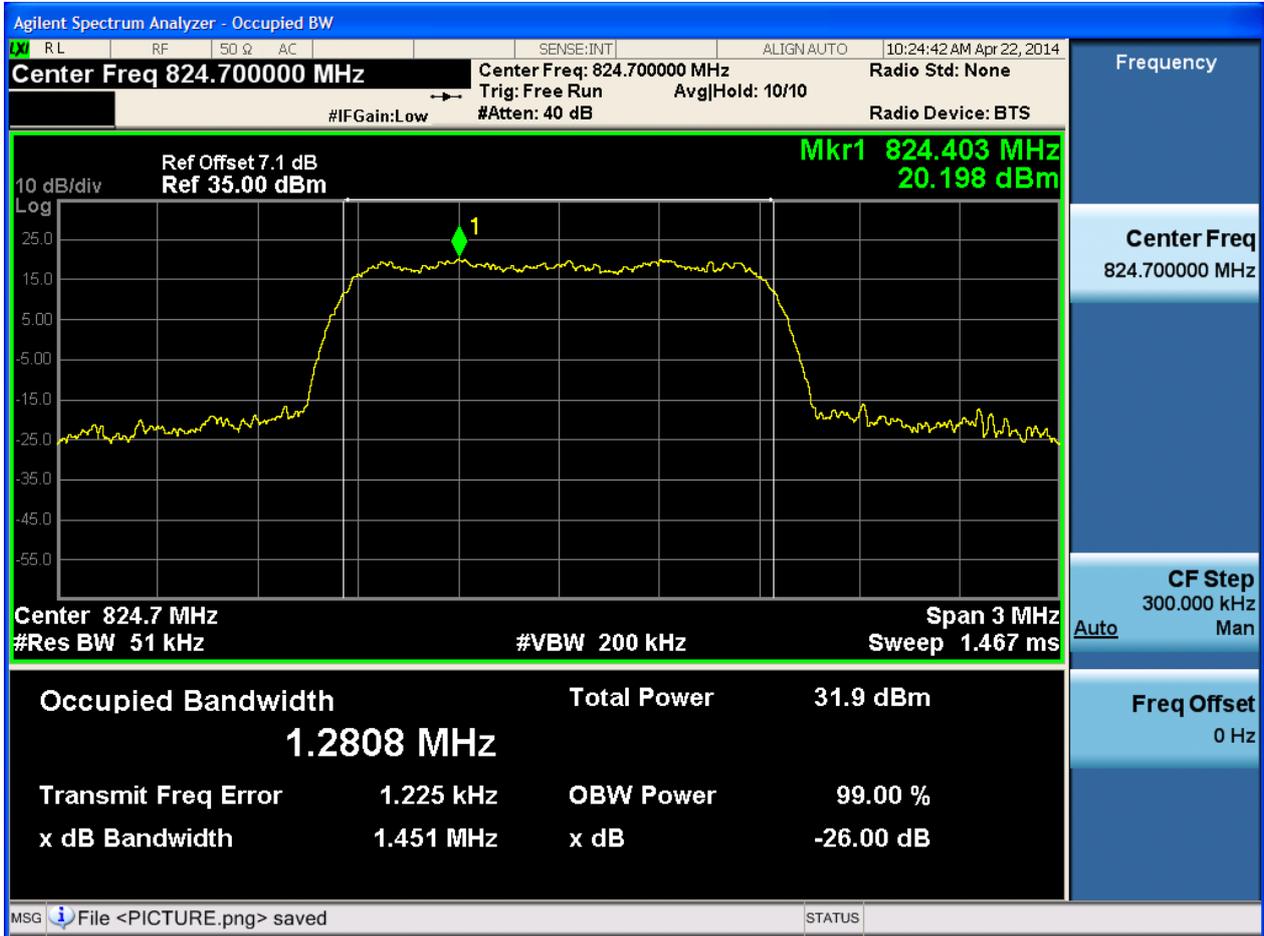
4.2.1.2.1.3 Test Channel = HCH





4.2.1.2.2 Test Modulation = QPSK (4096 bits)

4.2.1.2.2.1 Test Channel = LCH





4.2.1.2.2.2 Test Channel = MCH





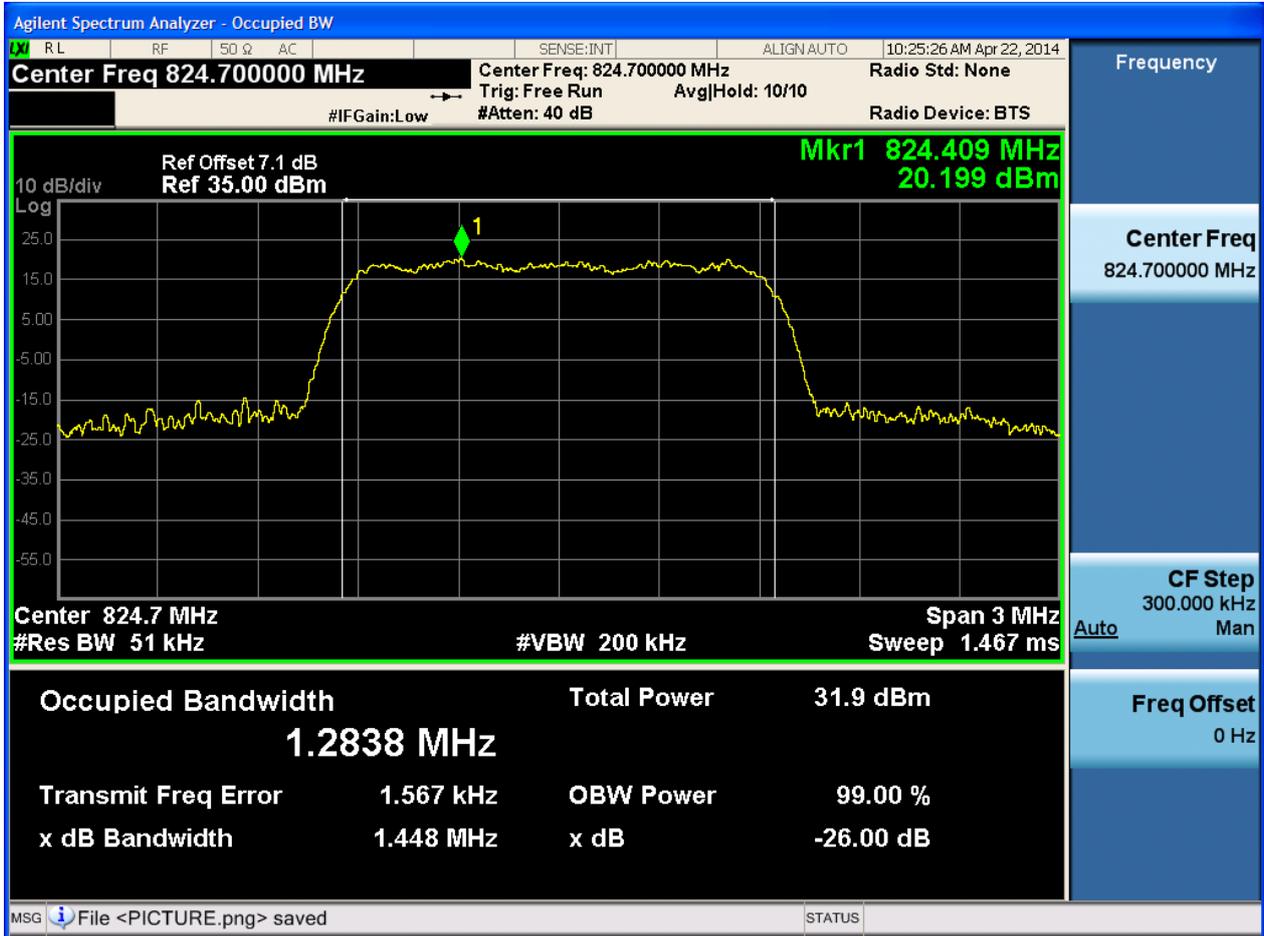
4.2.1.2.2.3 Test Channel = HCH





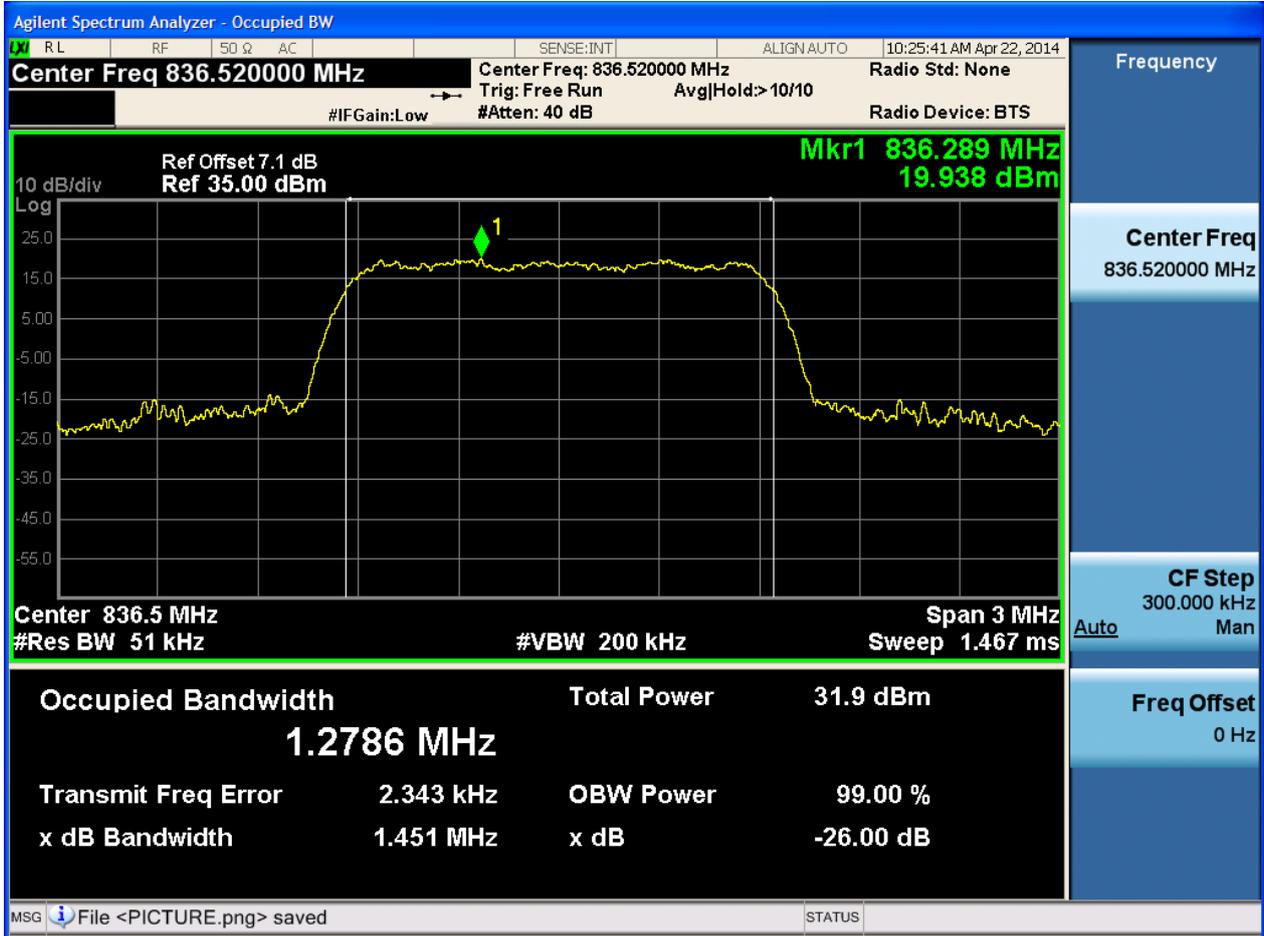
4.2.1.2.3 Test Modulation = 8-PSK (12288 bits)

4.2.1.2.3.1 Test Channel = LCH



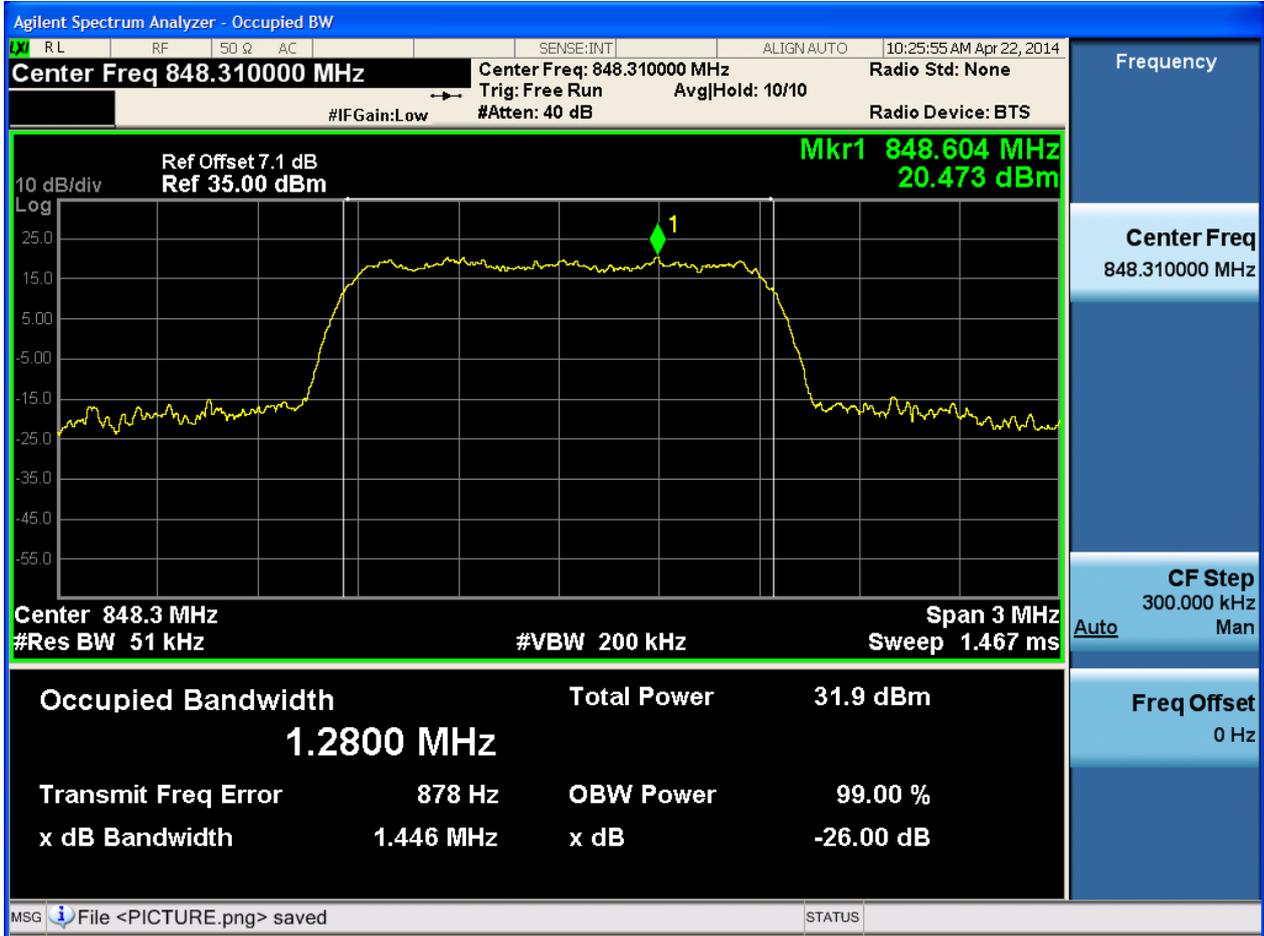


4.2.1.2.3.2 Test Channel = MCH





4.2.1.2.3.3 Test Channel = HCH



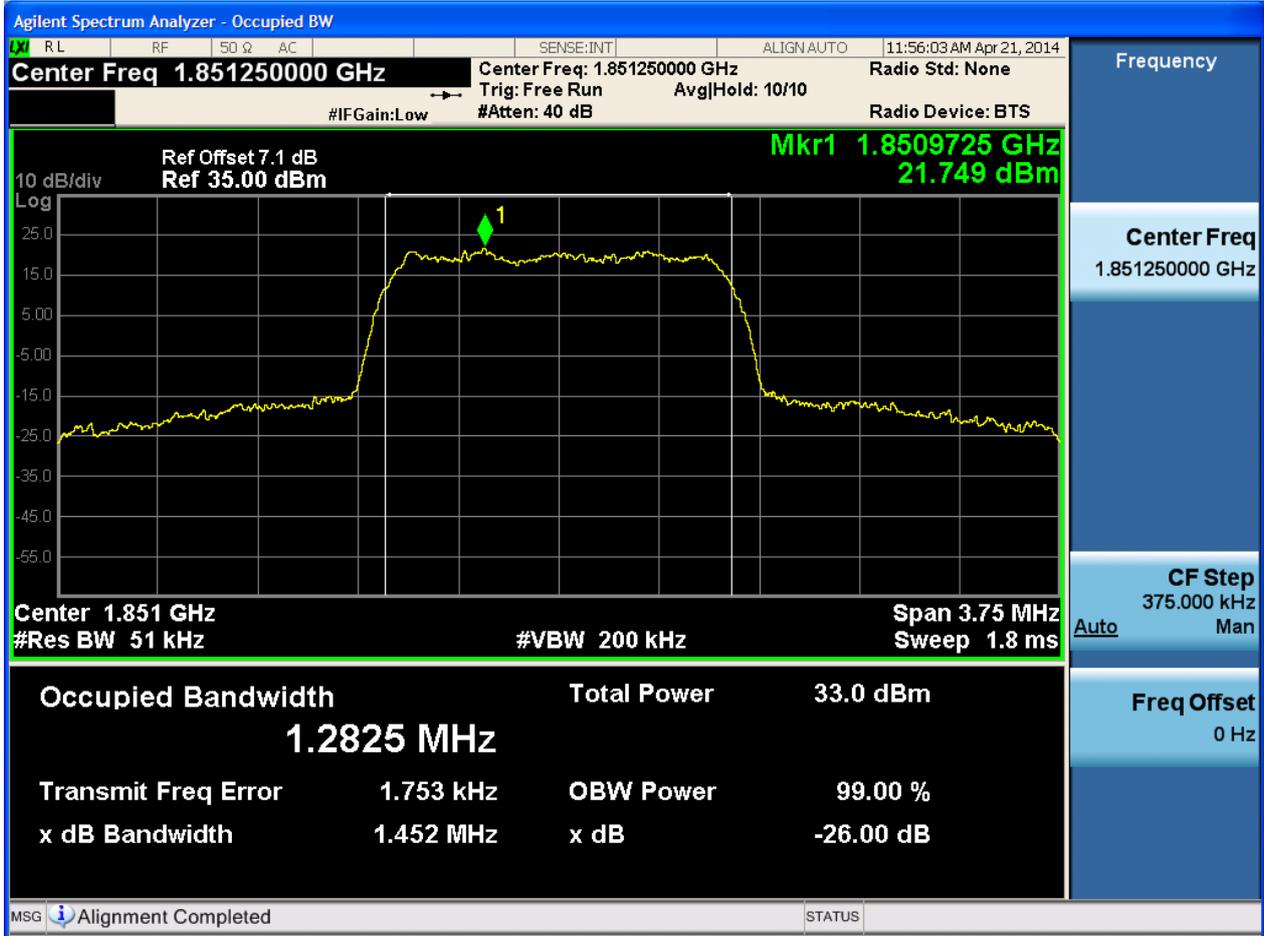


4.2.2 Test Band = BC1

4.2.2.1 Test Mode = CDMA/EV-DO/Subtype0

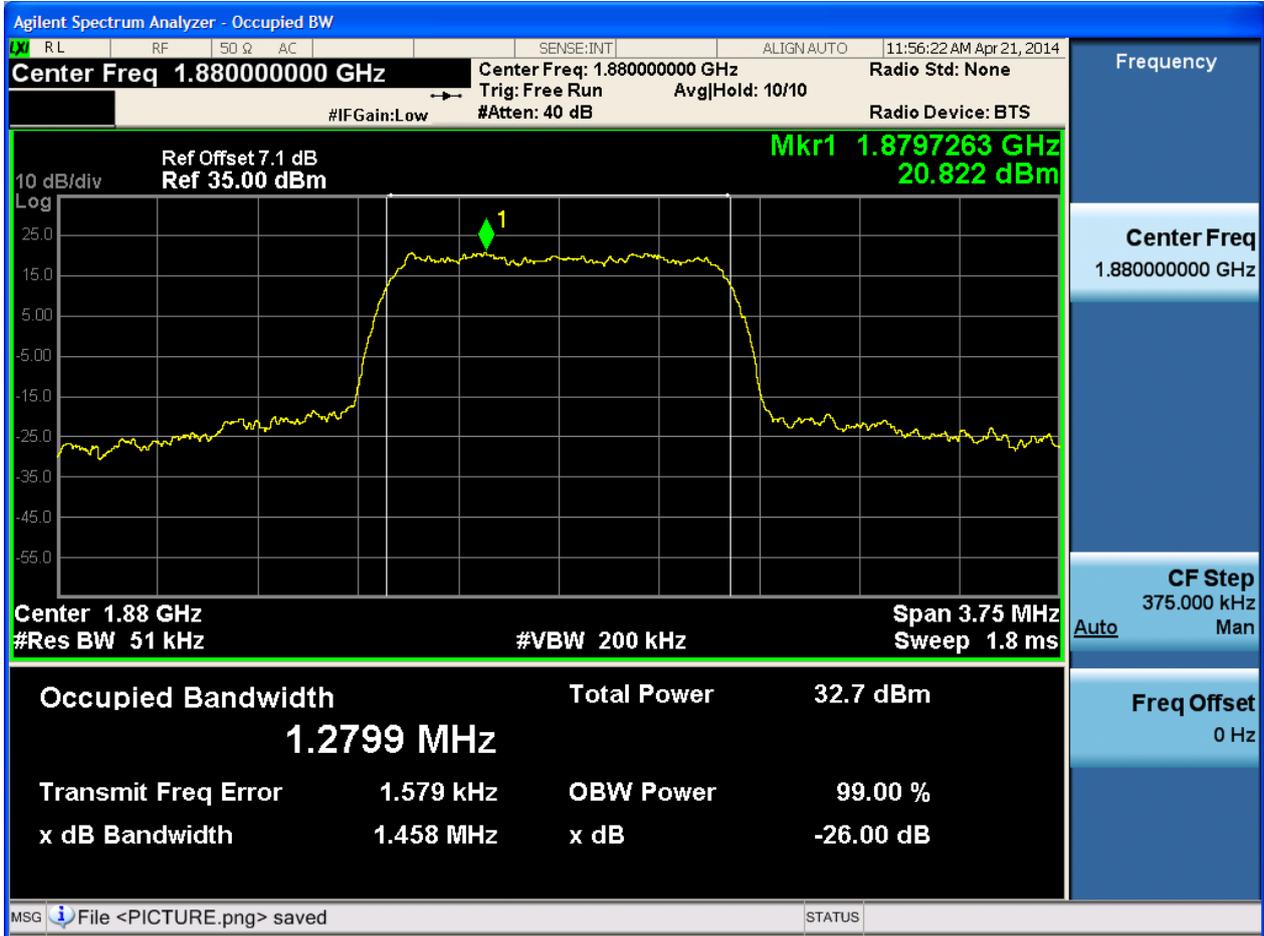
4.2.2.1.1 Test Modulation = HPSK

4.2.2.1.1.1 Test Channel = LCH



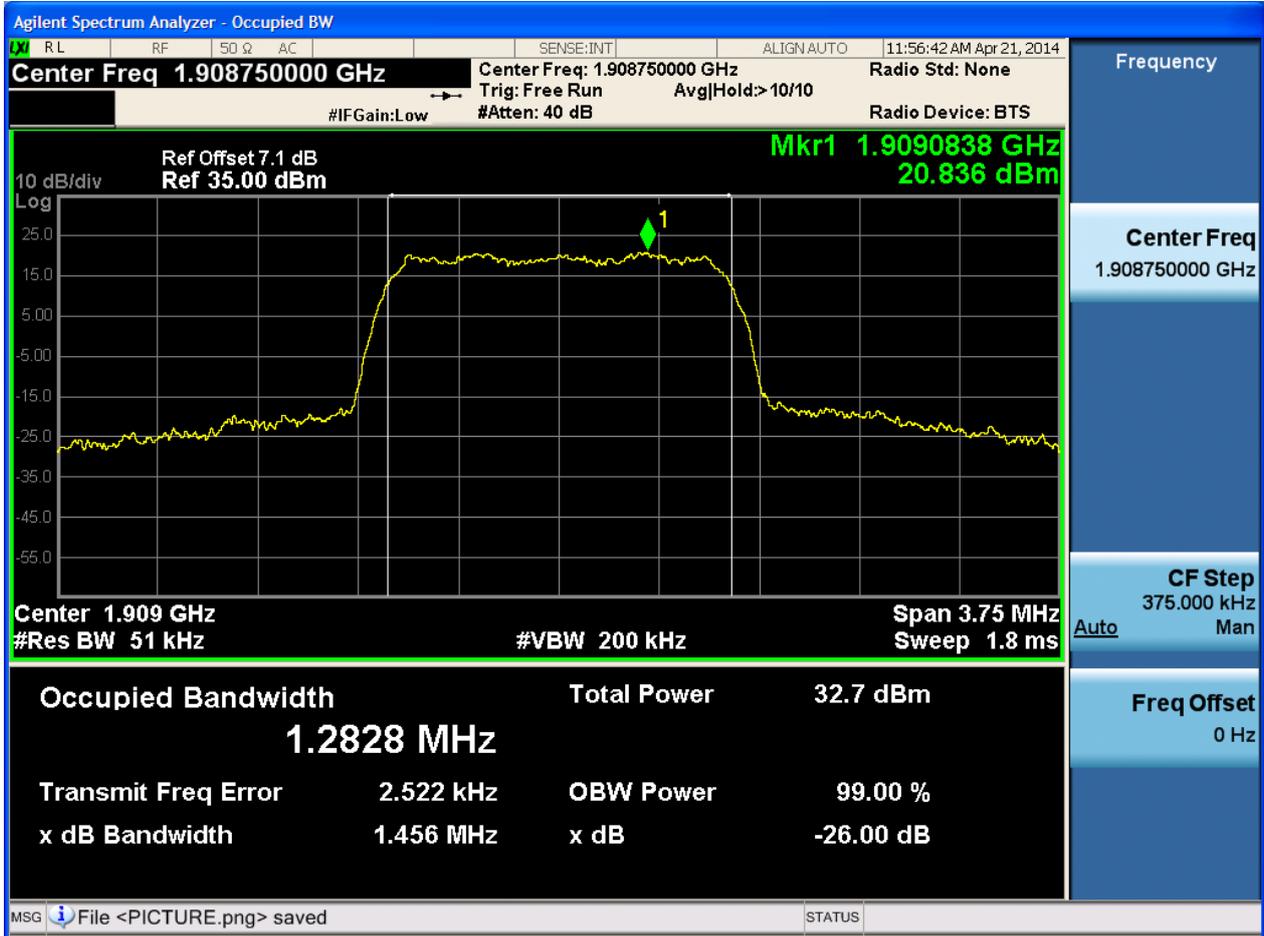


4.2.2.1.1.2 Test Channel = MCH





4.2.2.1.1.3 Test Channel = HCH

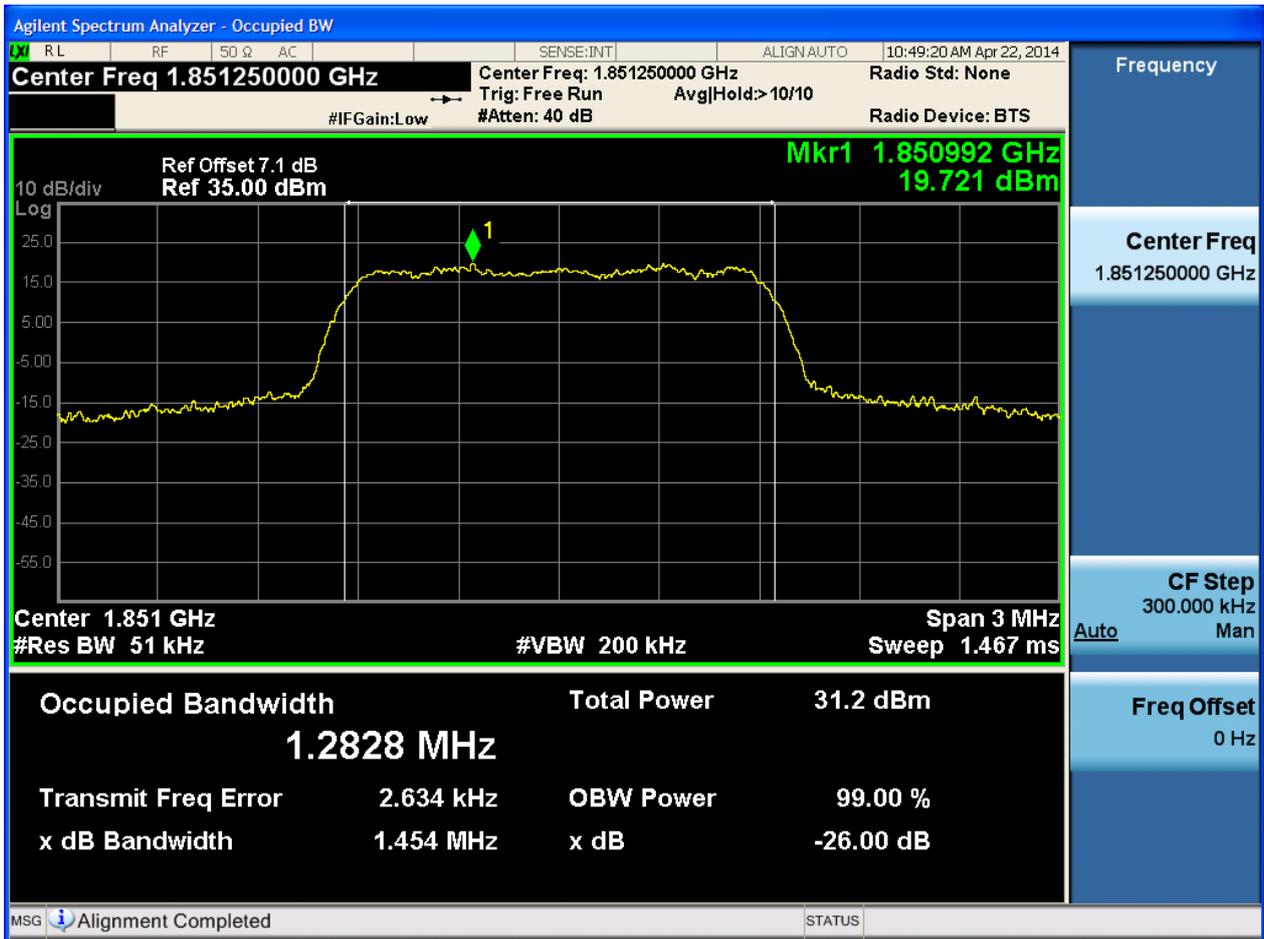




4.2.2.3 Test Mode = CDMA/EV-DO/Subtype2

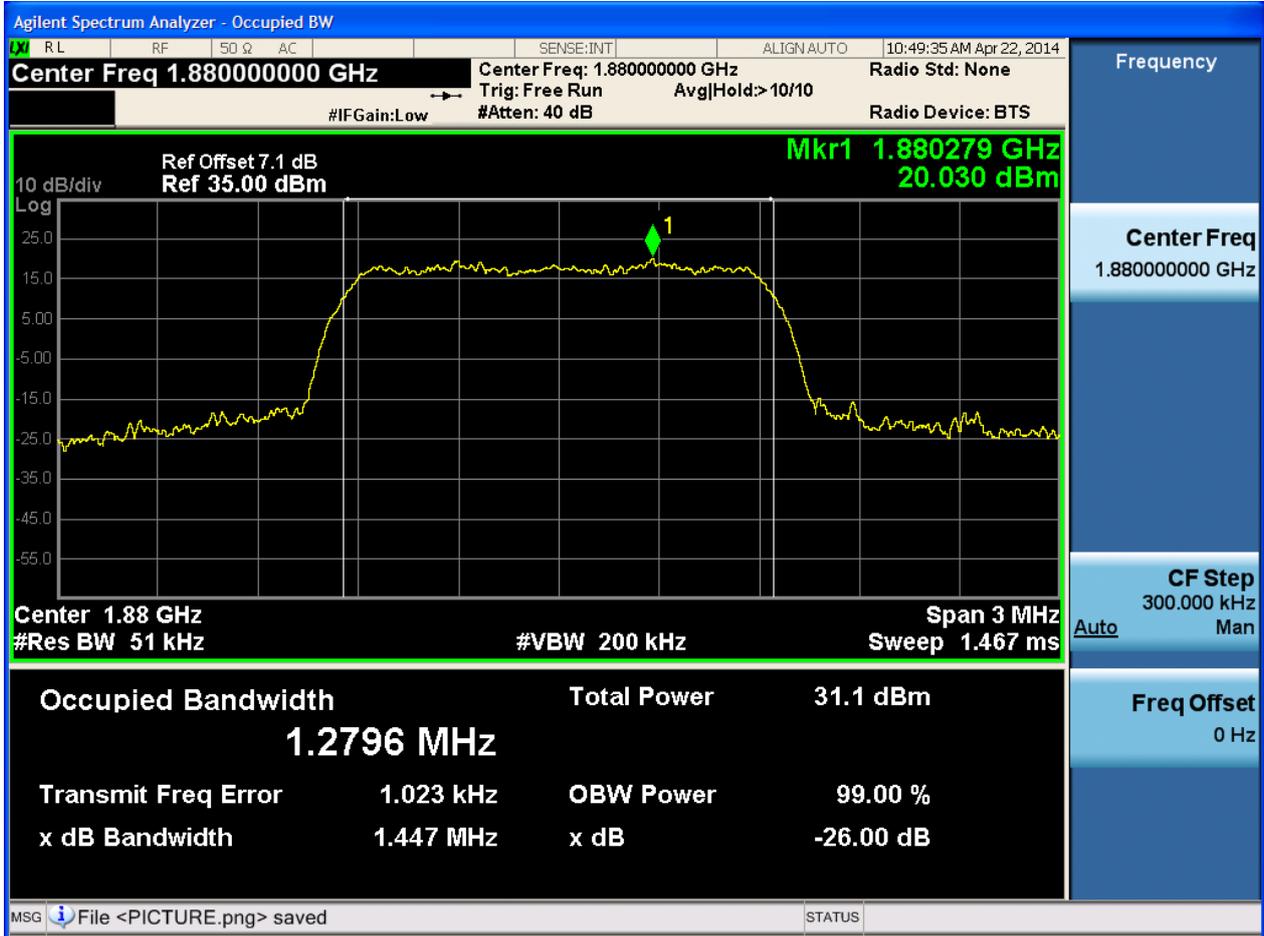
4.2.2.3.1 Test Modulation = BPSK (256 bits)

4.2.2.3.1.1 Test Channel = LCH



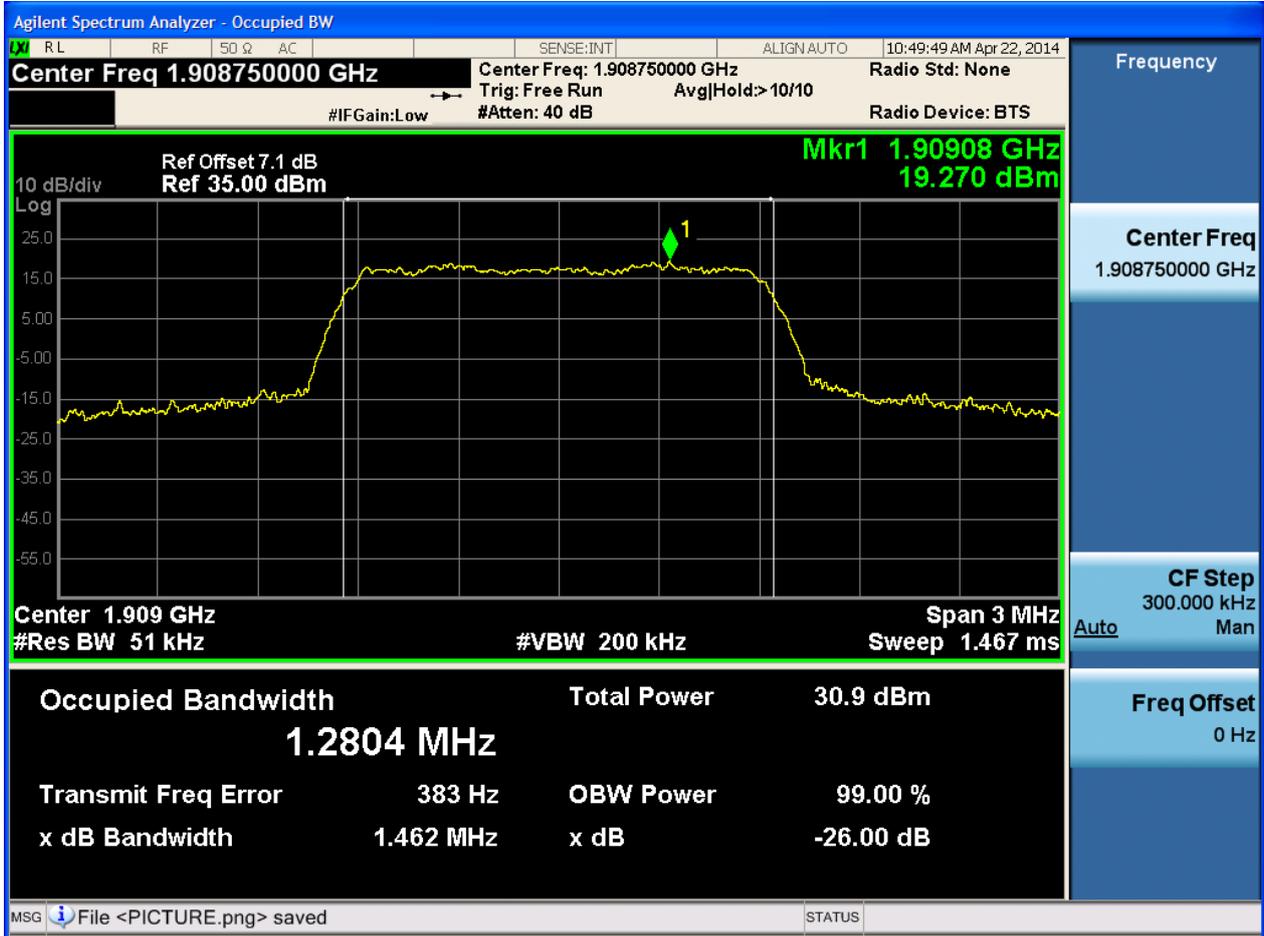


4.2.2.3.1.2 Test Channel = MCH





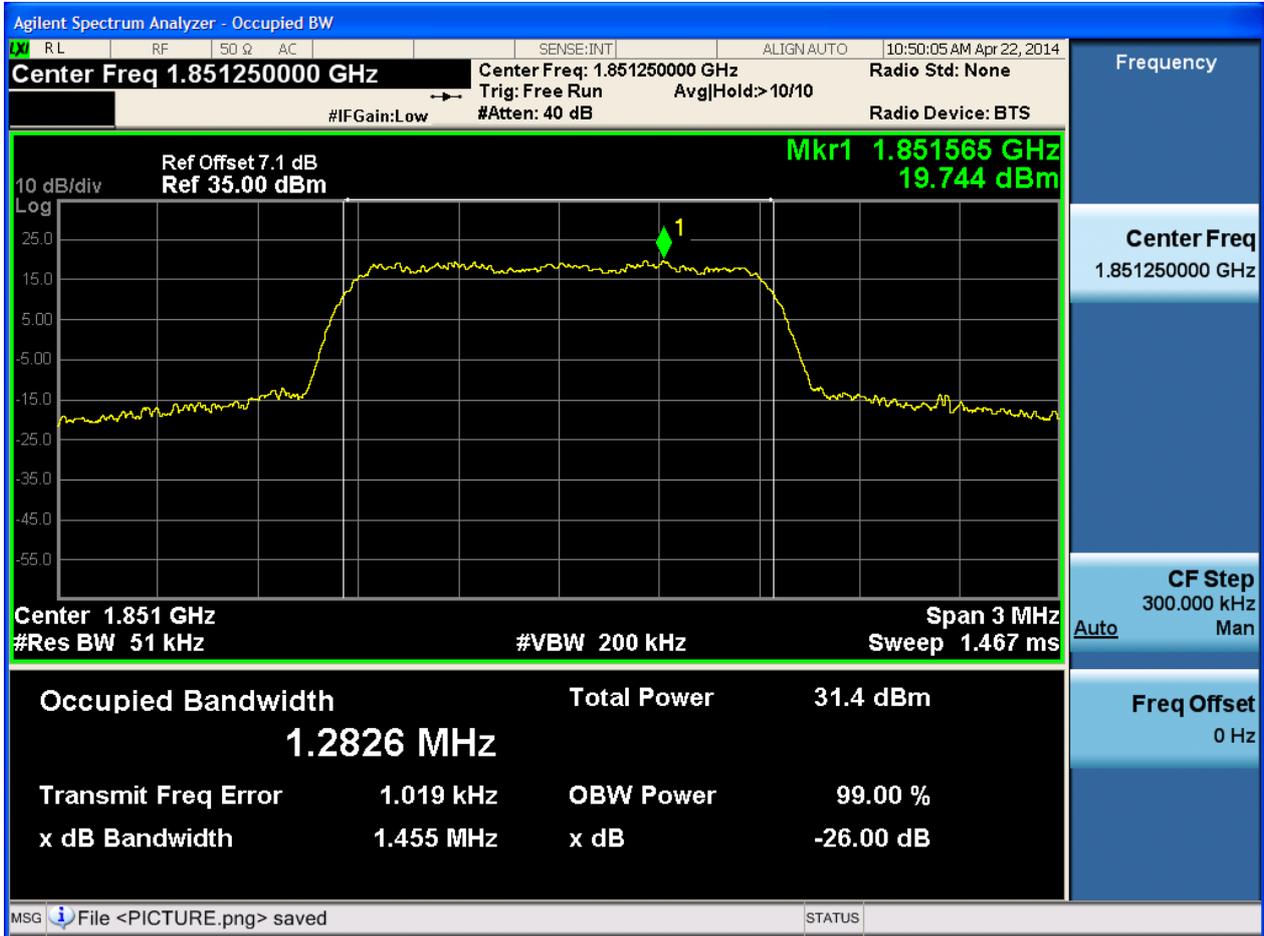
4.2.2.3.1.3 Test Channel = HCH





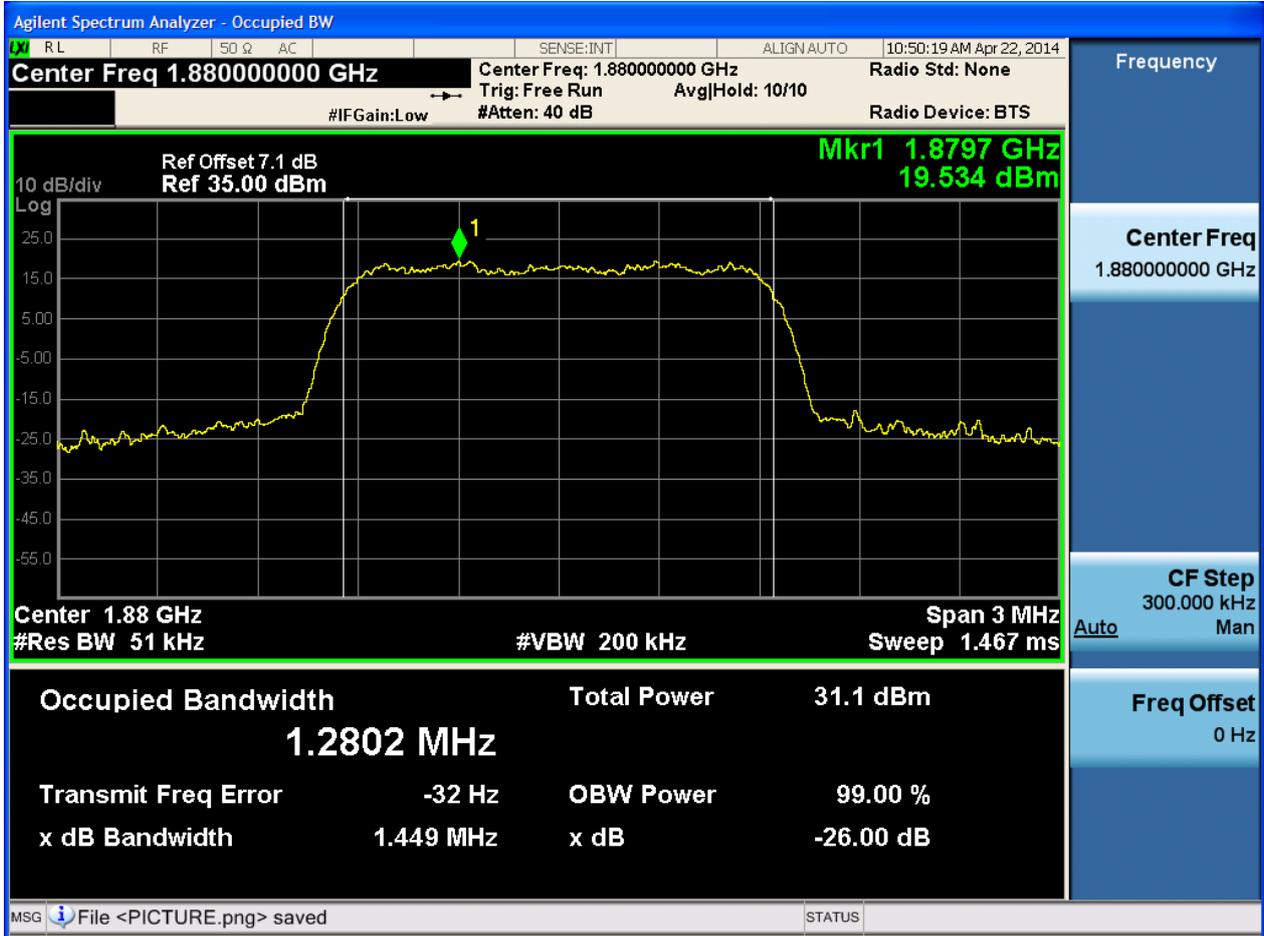
4.2.2.3.2 Test Modulation = QPSK (4096 bits)

4.2.2.3.2.1 Test Channel = LCH



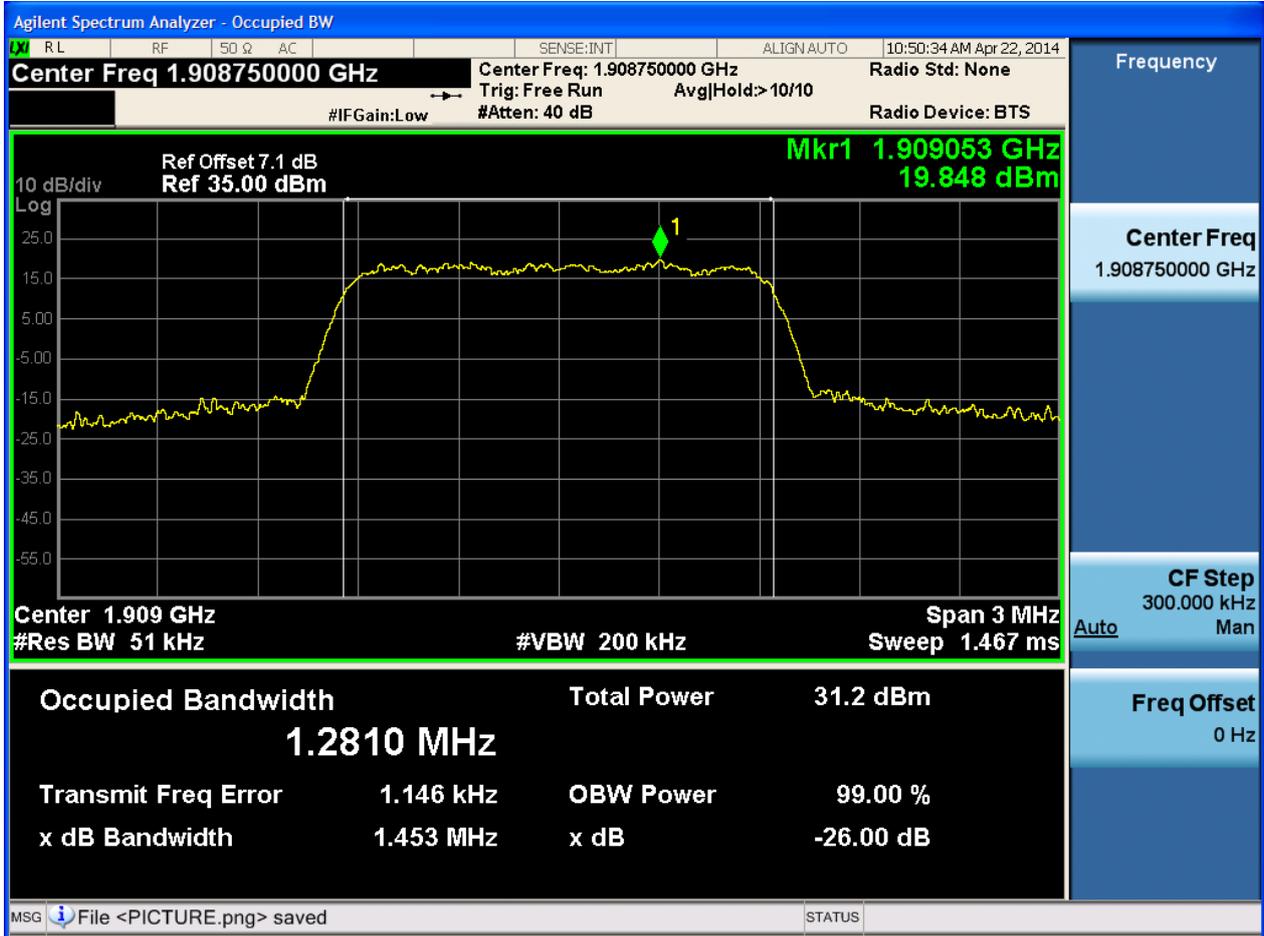


4.2.2.3.2.2 Test Channel = MCH



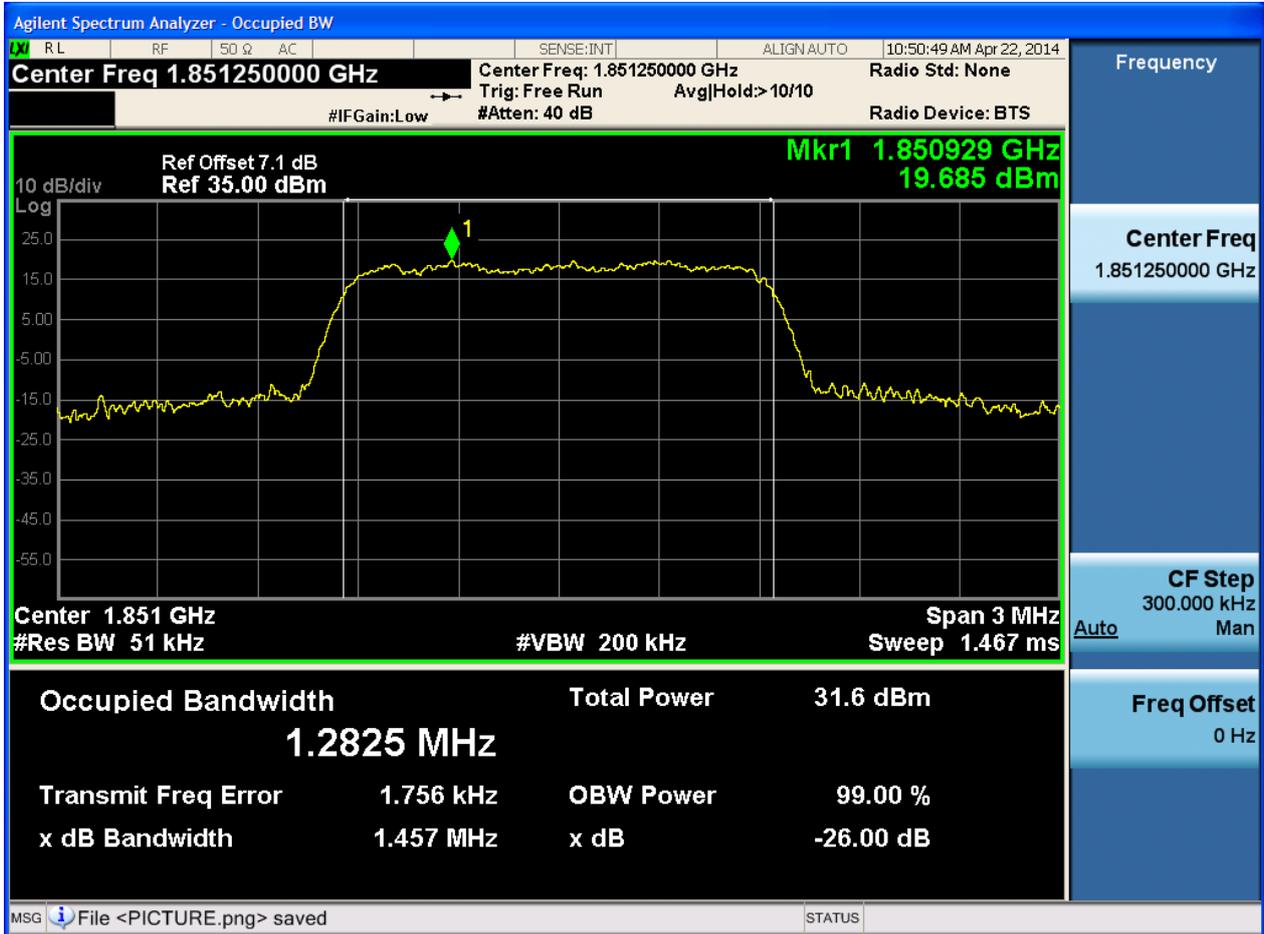


4.2.2.3.2.3 Test Channel = HCH



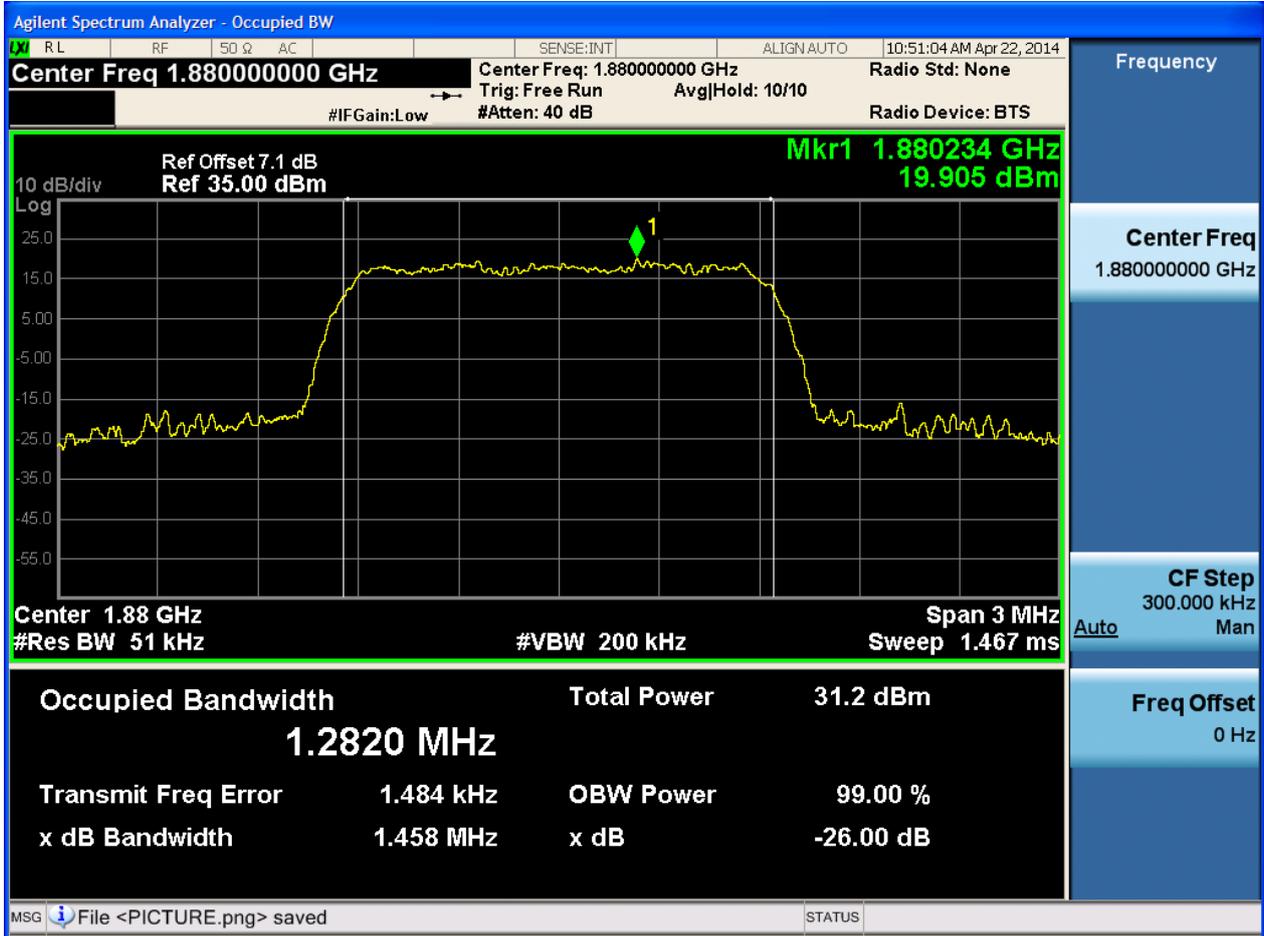
4.2.2.3.3 Test Modulation = 8-PSK (12288 bits)

4.2.2.3.3.1 Test Channel = LCH



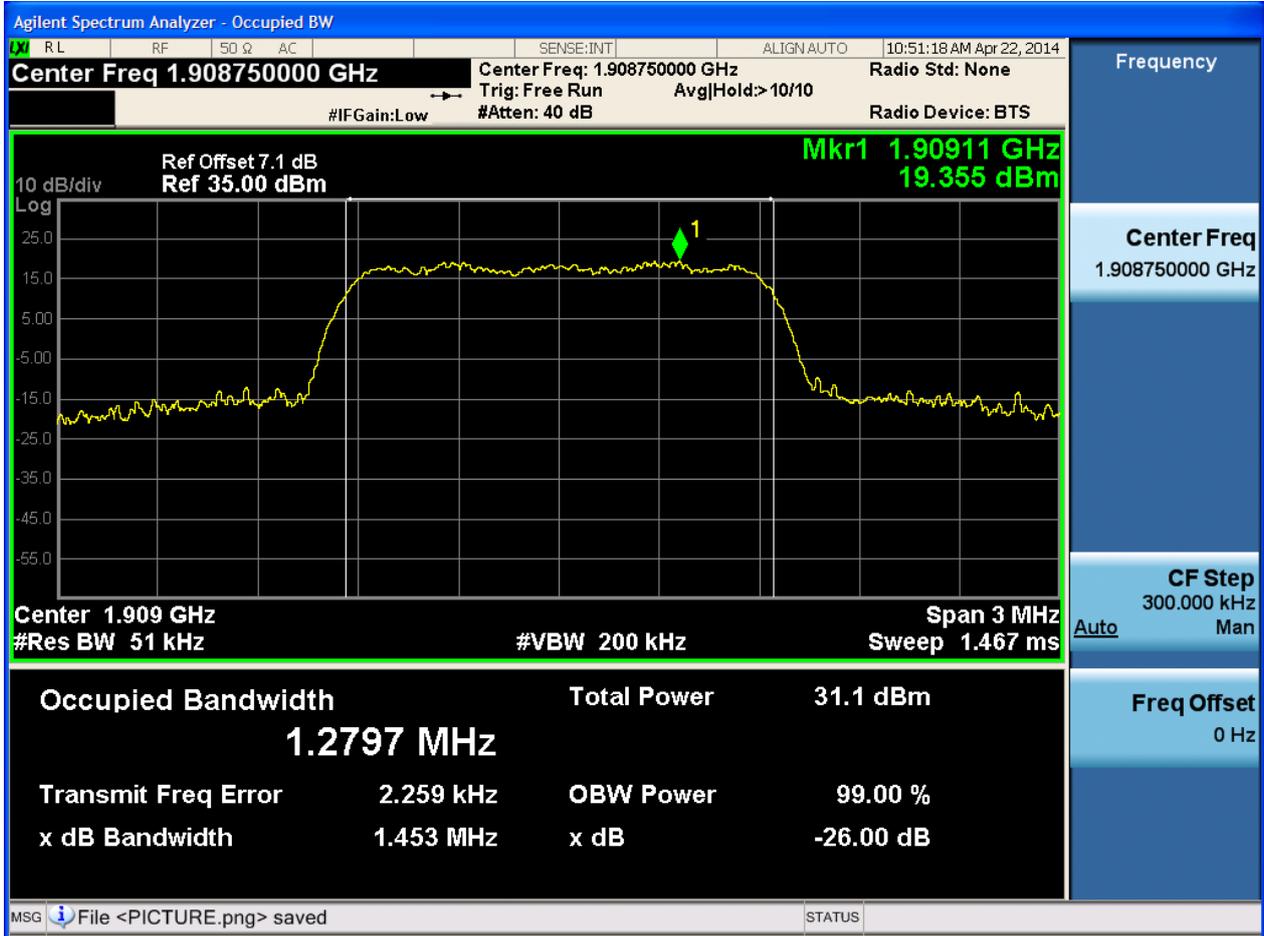


4.2.2.3.3.2 Test Channel = MCH





4.2.2.3.3 Test Channel = HCH





5Appendix_E: Band Edges Compliance

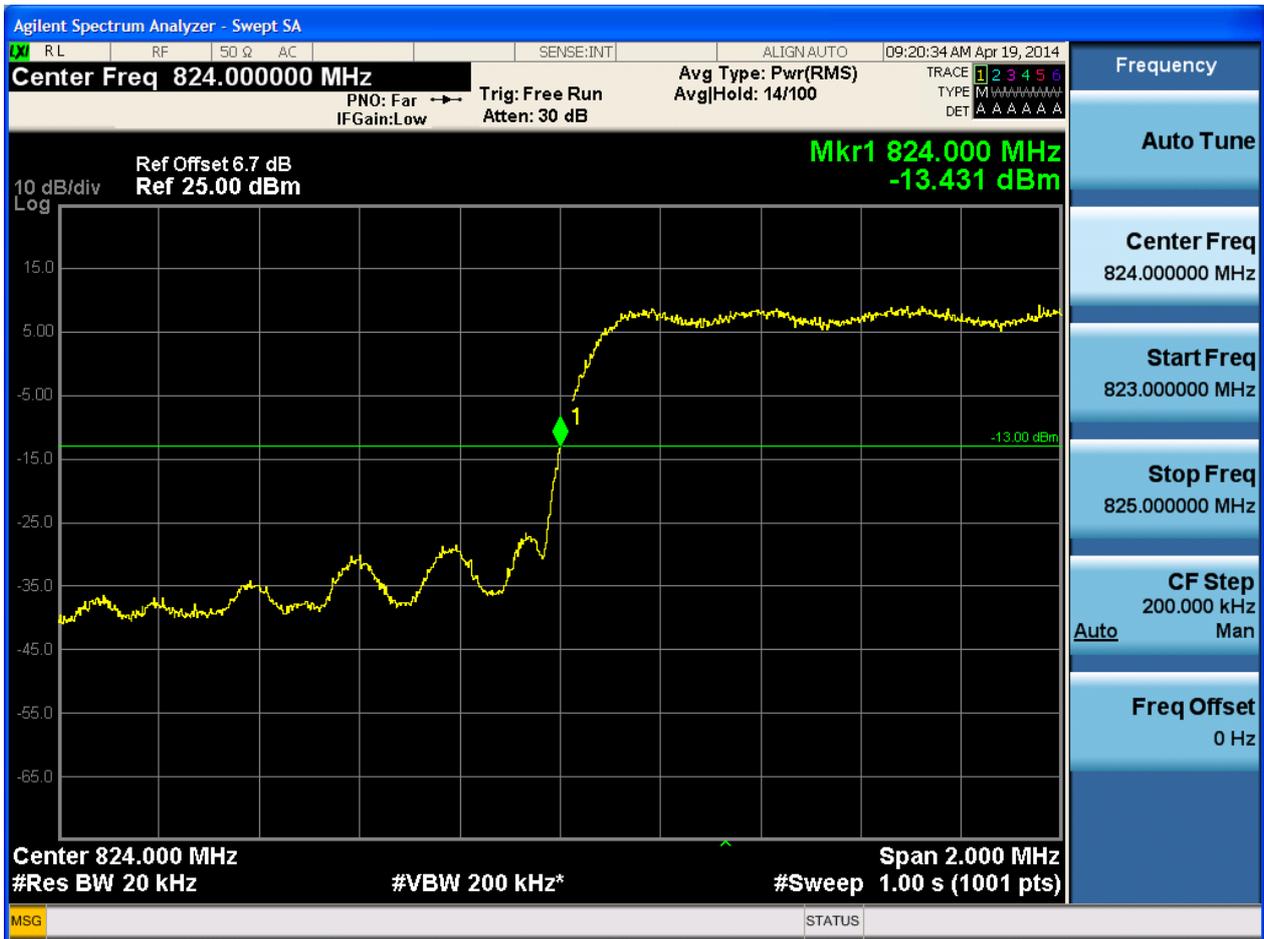
Part I - Test Plots

5.1 For CDMA/1X

5.1.1 Test Band = BC0

5.1.1.1 Test Mode = CDMA/1X/TM1

5.1.1.1.1 Test Channel = LCH





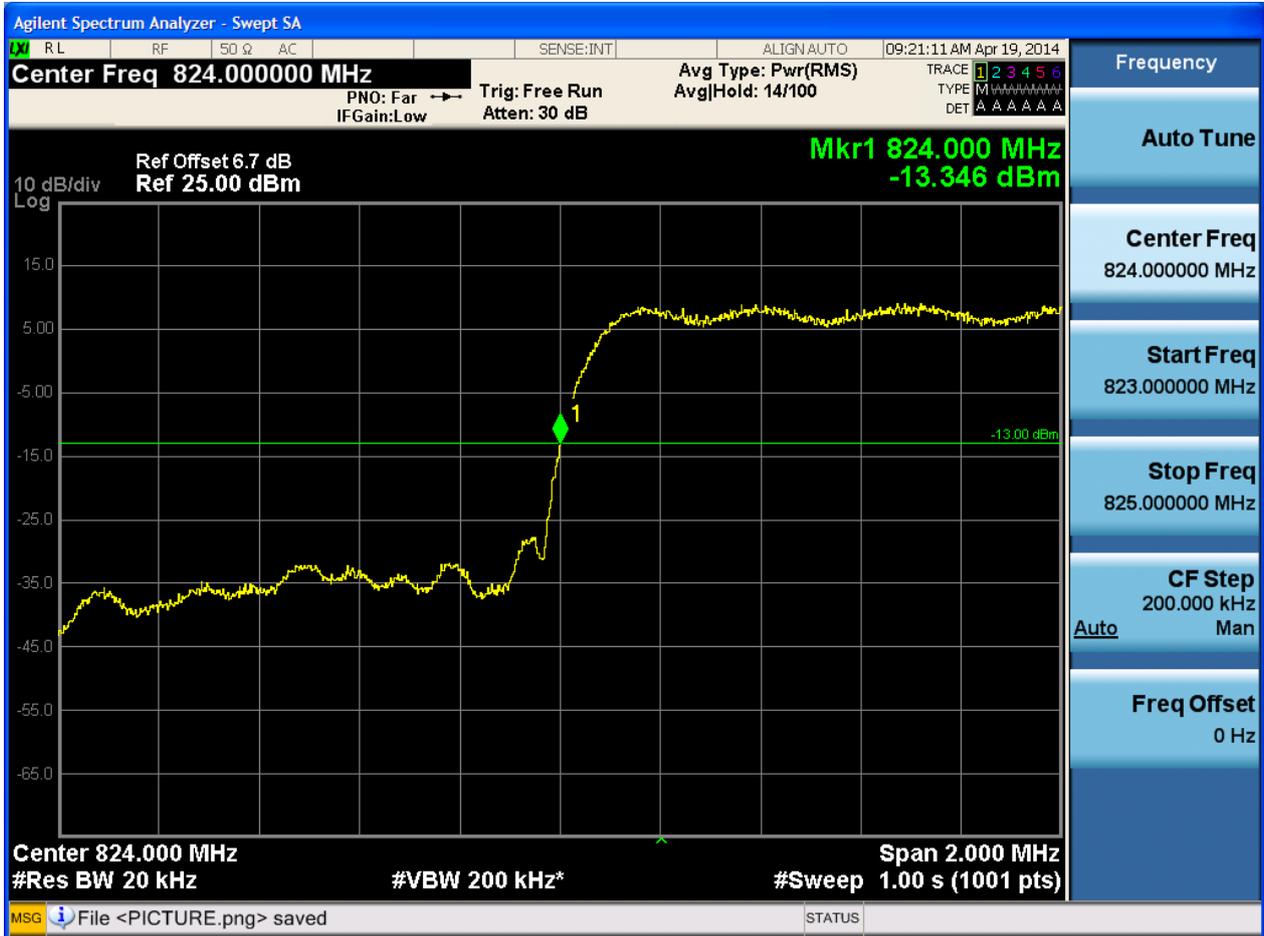
5.1.1.1.2 Test Channel = HCH





5.1.1.2 Test Mode = CDMA/1X/TM3

5.1.1.2.1 Test Channel = LCH





5.1.1.2.2 Test Channel = HCH





5.1.2 Test Band = BC1

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





5.2 For CDMA/EV-DO

5.2.1 Test Band = BC0

5.2.1.1 Test Mode = CDMA/EV-DO/Subtype0

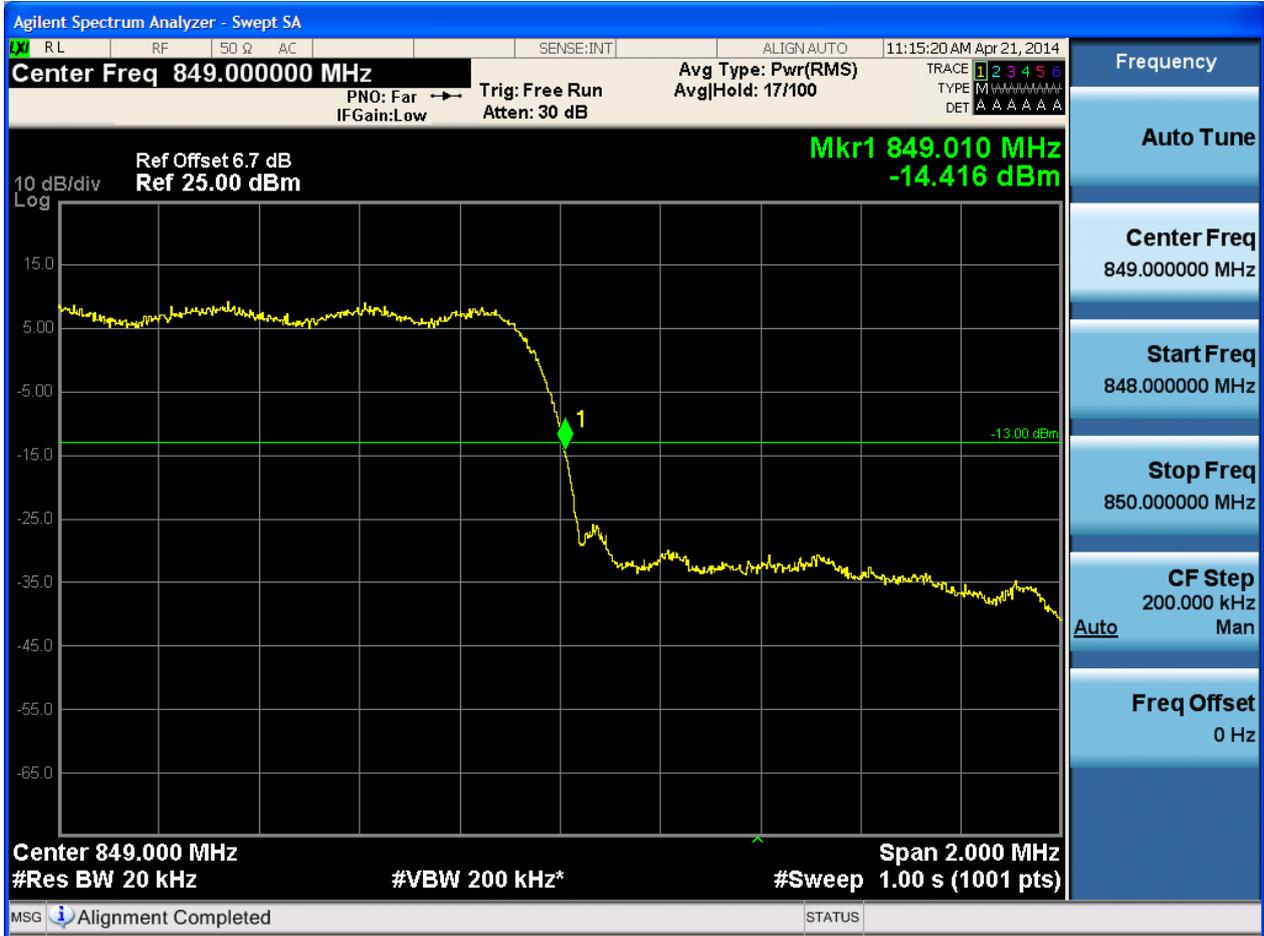
5.2.1.1.1 Test Modulation = HPSK

5.2.1.1.1.1 Test Channel = LCH





5.2.1.1.1.2 Test Channel = HCH

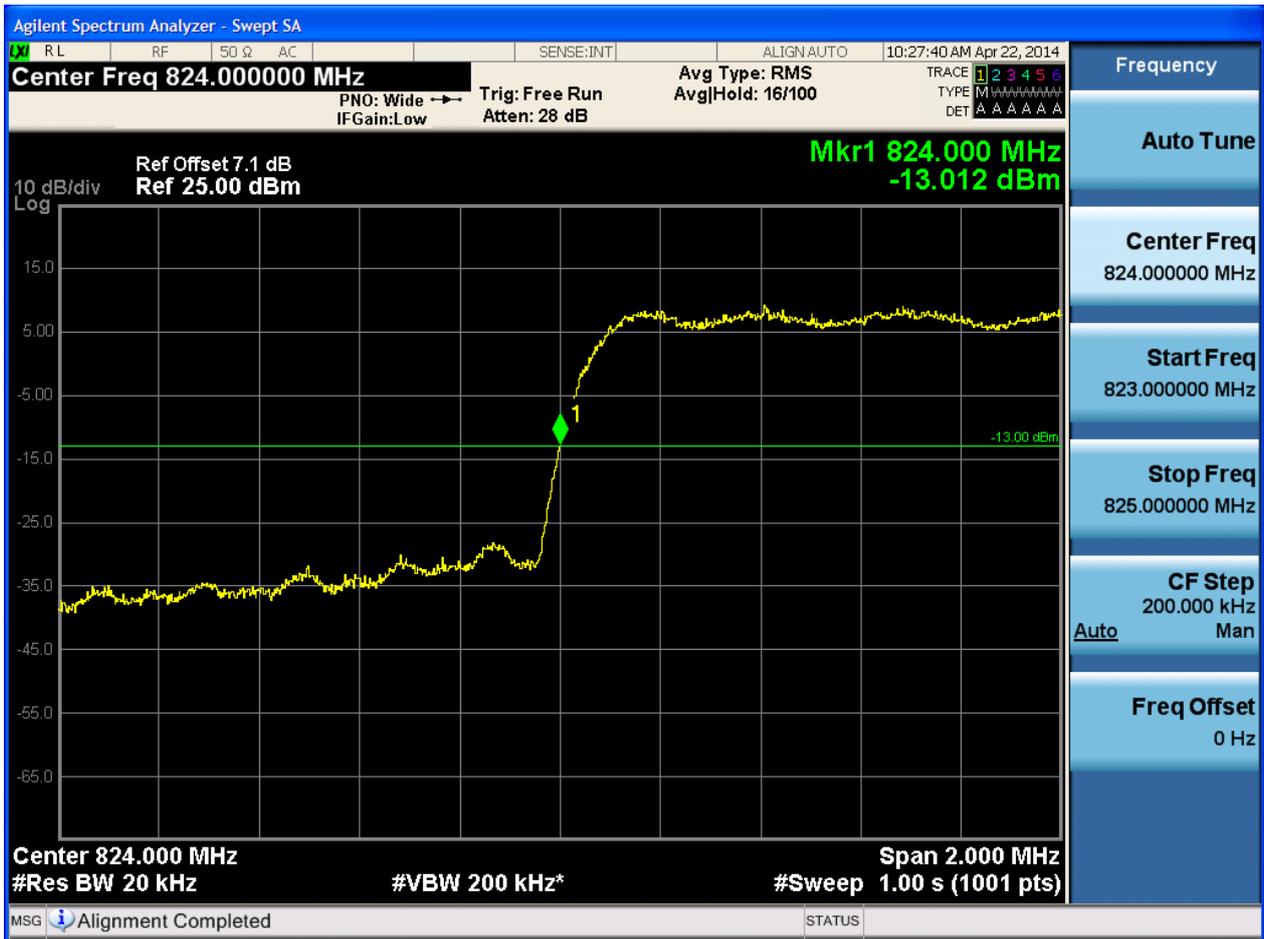




5.2.1.2 Test Mode = CDMA/EV-DO/Subtype2

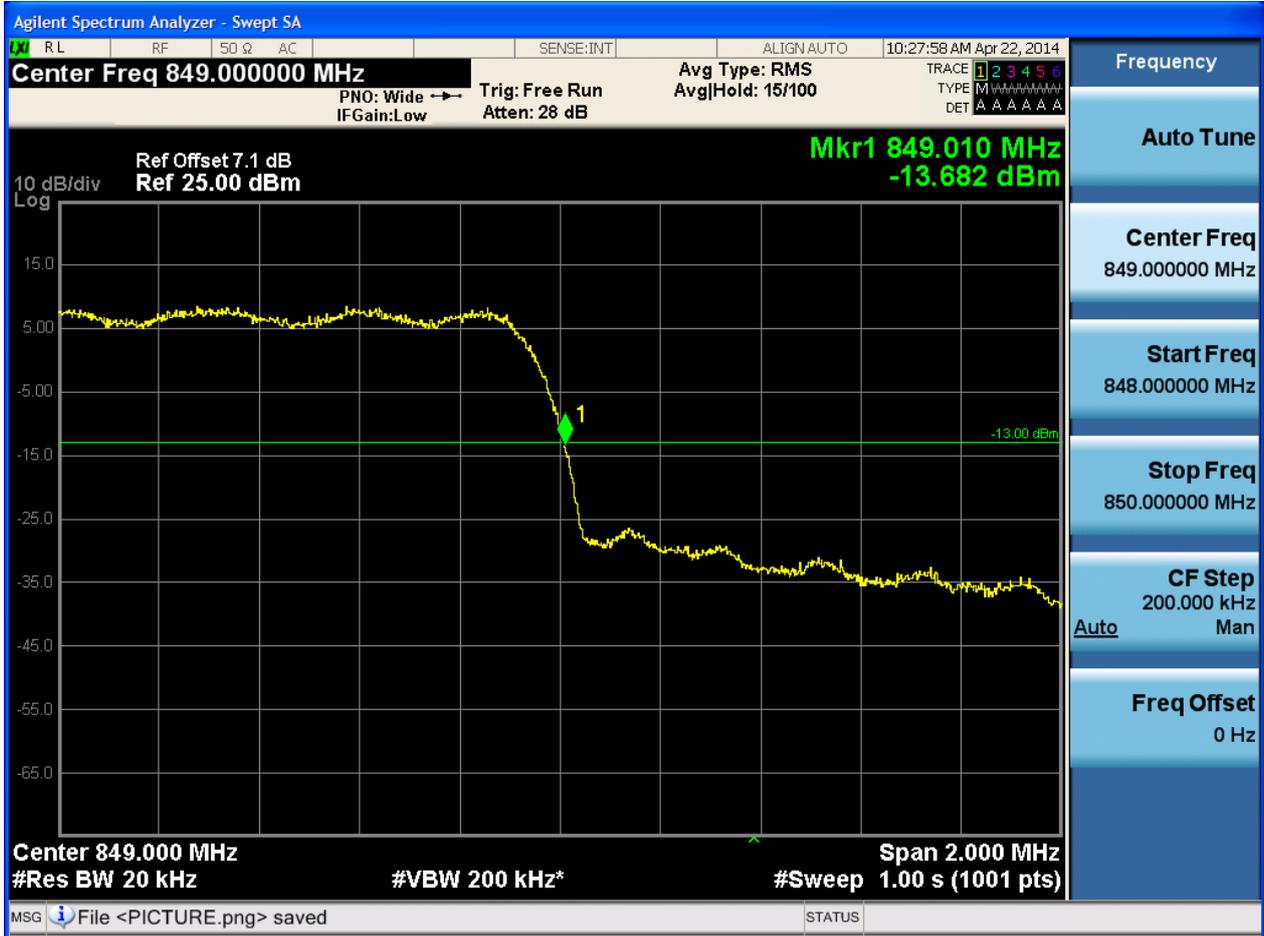
5.2.1.2.1 Test Modulation = BPSK (256 bits)

5.2.1.2.1.1 Test Channel = LCH





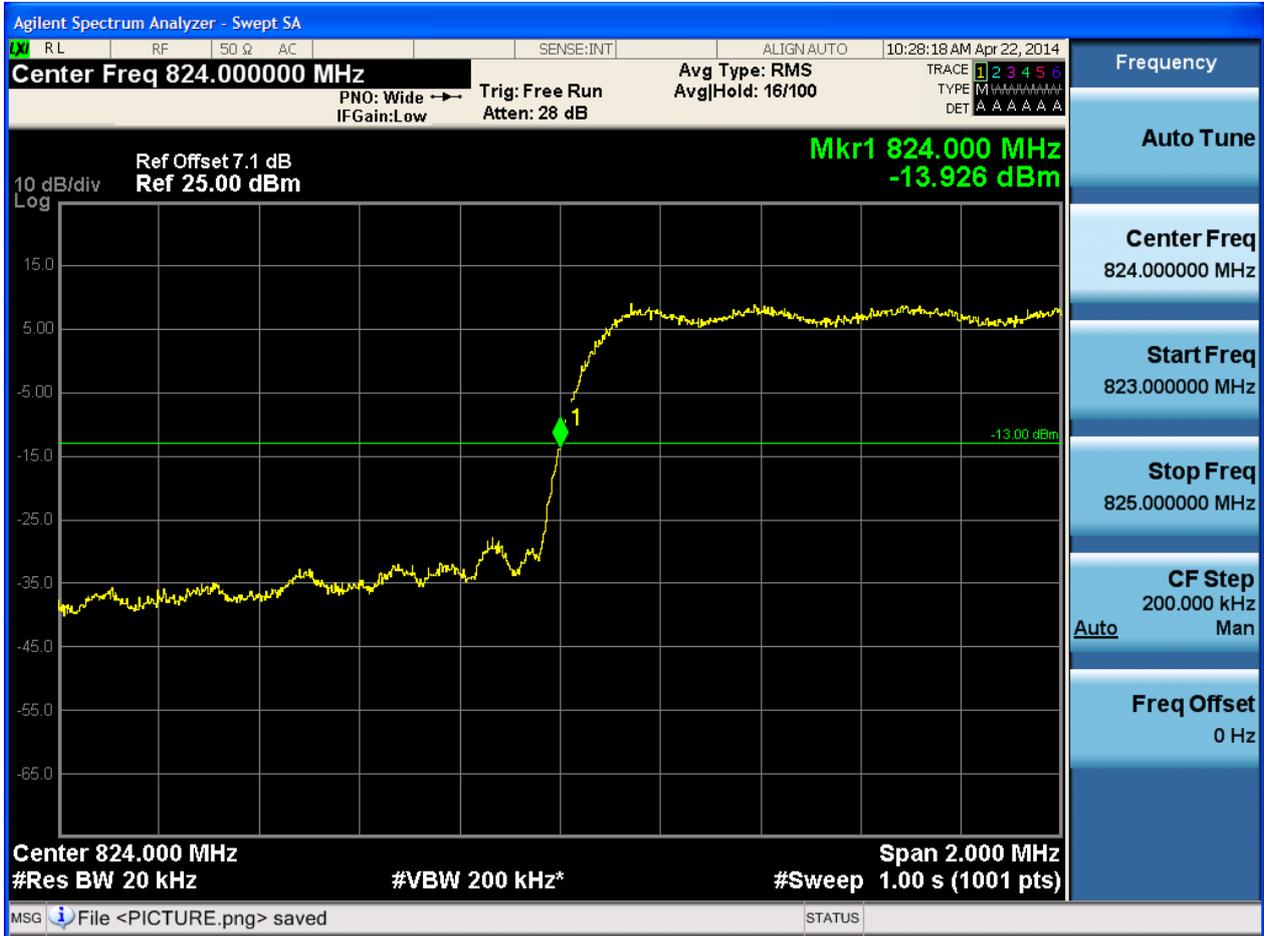
5.2.1.2.1.2 Test Channel = HCH





5.2.1.2.2 Test Modulation = QPSK (4096 bits)

5.2.1.2.2.1 Test Channel = LCH





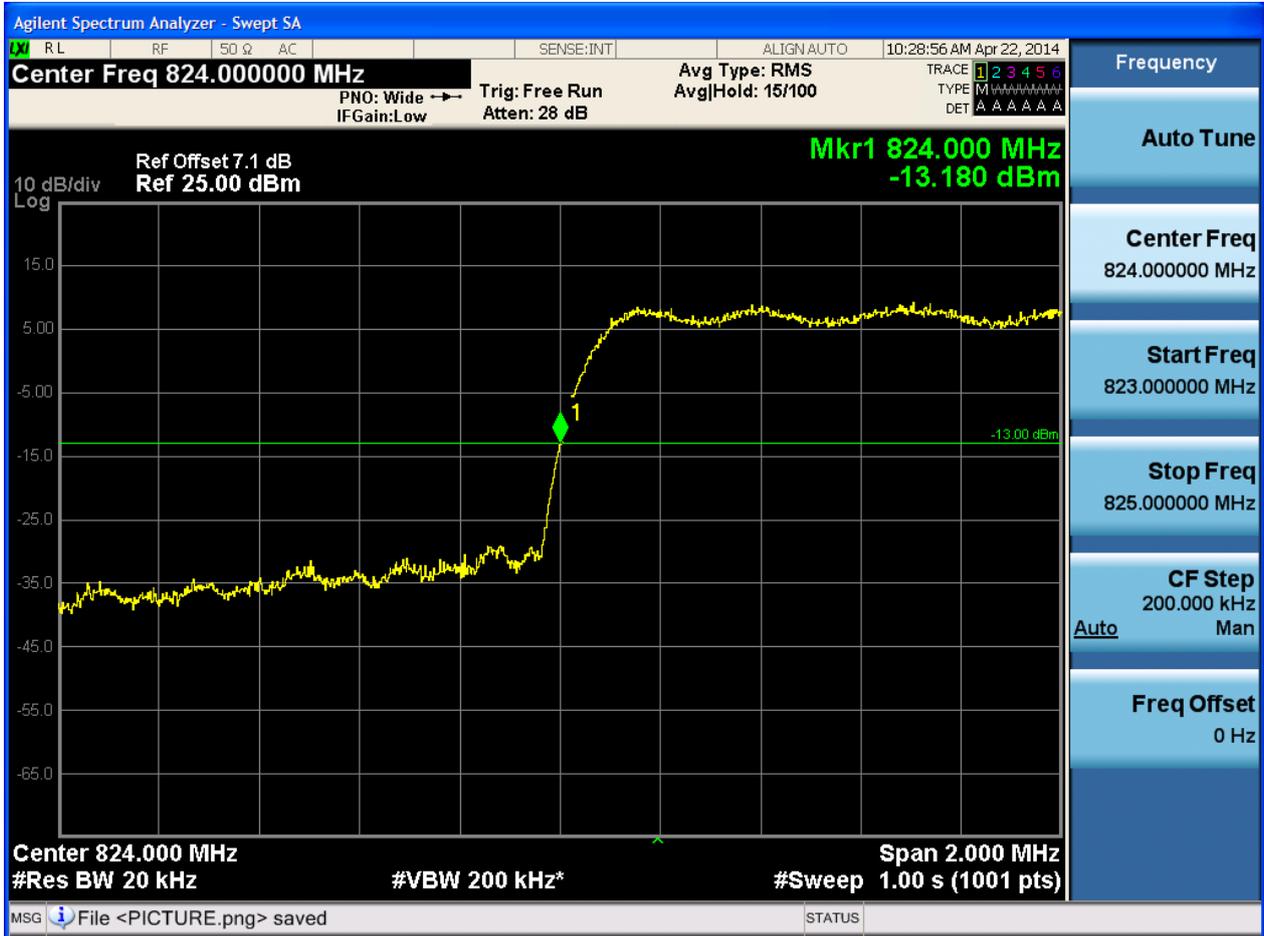
5.2.1.2.2.2 Test Channel = HCH





5.2.1.2.3 Test Modulation = 8-PSK (12288 bits)

5.2.1.2.3.1 Test Channel = LCH





5.2.1.2.3.2 Test Channel = HCH





5.2.2 Test Band = BC1

5.2.2.1 Test Mode = CDMA/EV-DO/Subtype0

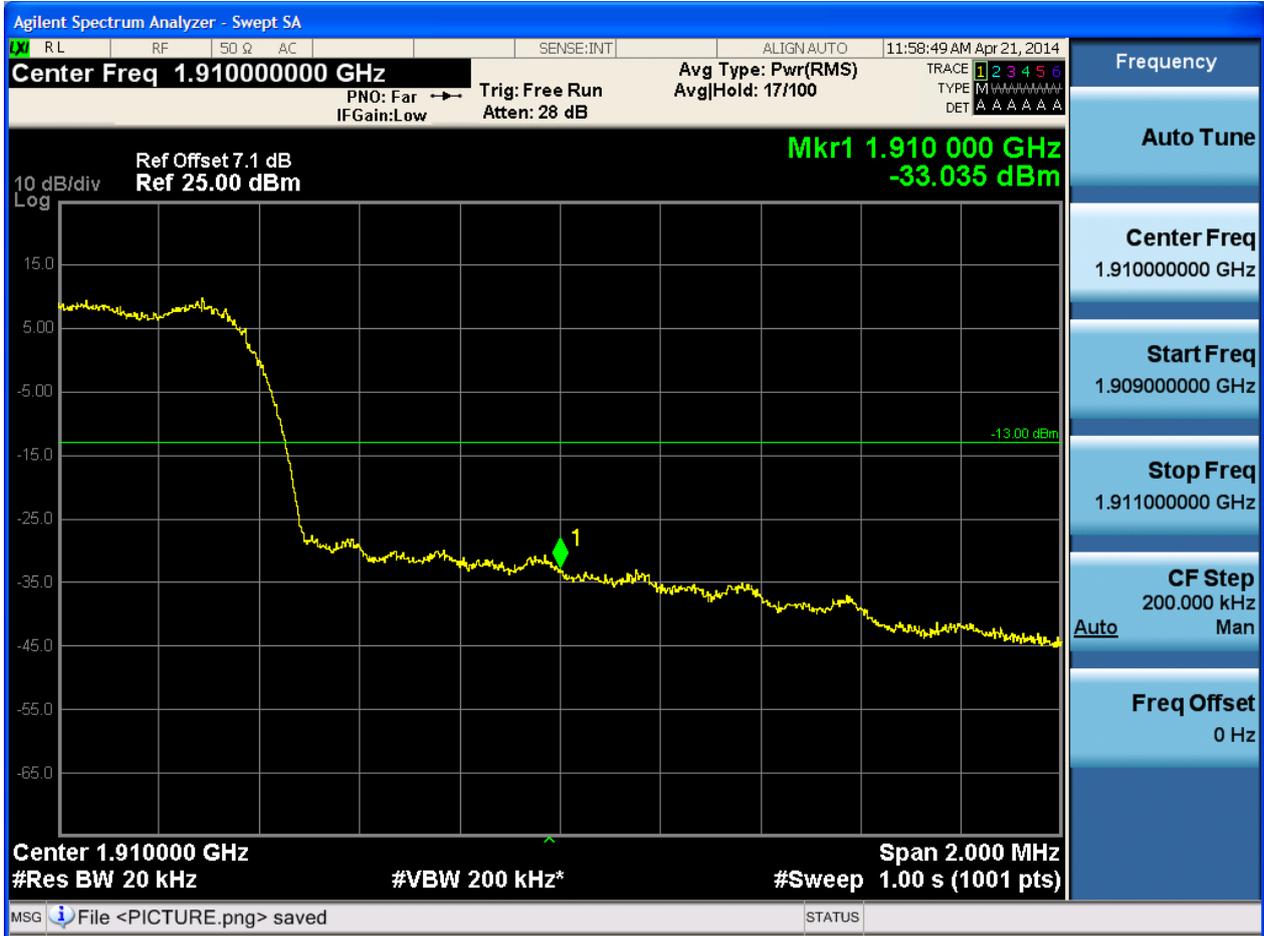
5.2.2.1.1 Test Modulation = HPSK

5.2.2.1.1.1 Test Channel = LCH





5.2.2.1.1.2 Test Channel = HCH





5.2.2.2 Test Mode = CDMA/EV-DO/Subtype2

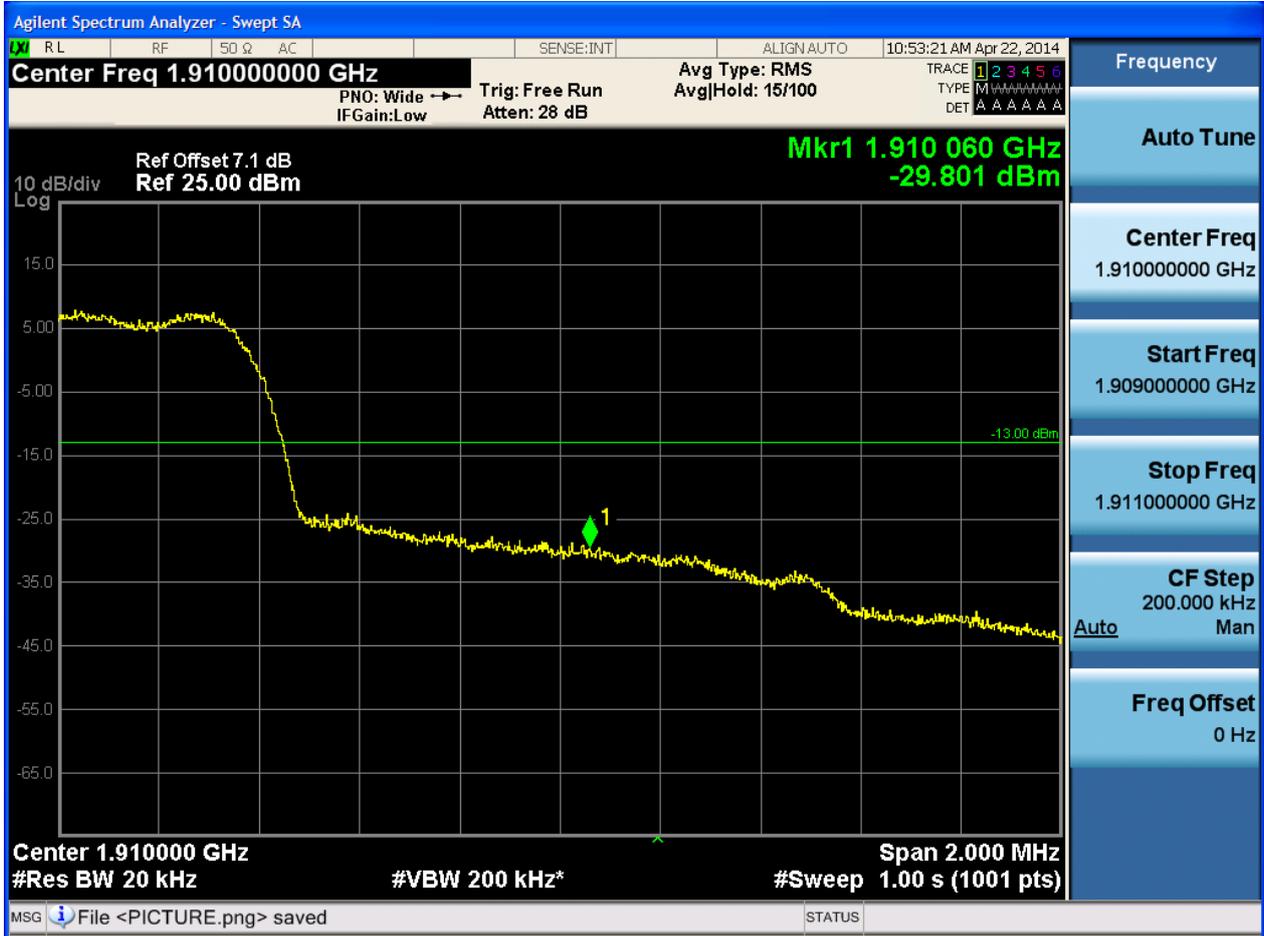
5.2.2.2.1 Test Modulation = BPSK (256 bits)

5.2.2.2.1.1 Test Channel = LCH





5.2.2.2.1.2 Test Channel = HCH





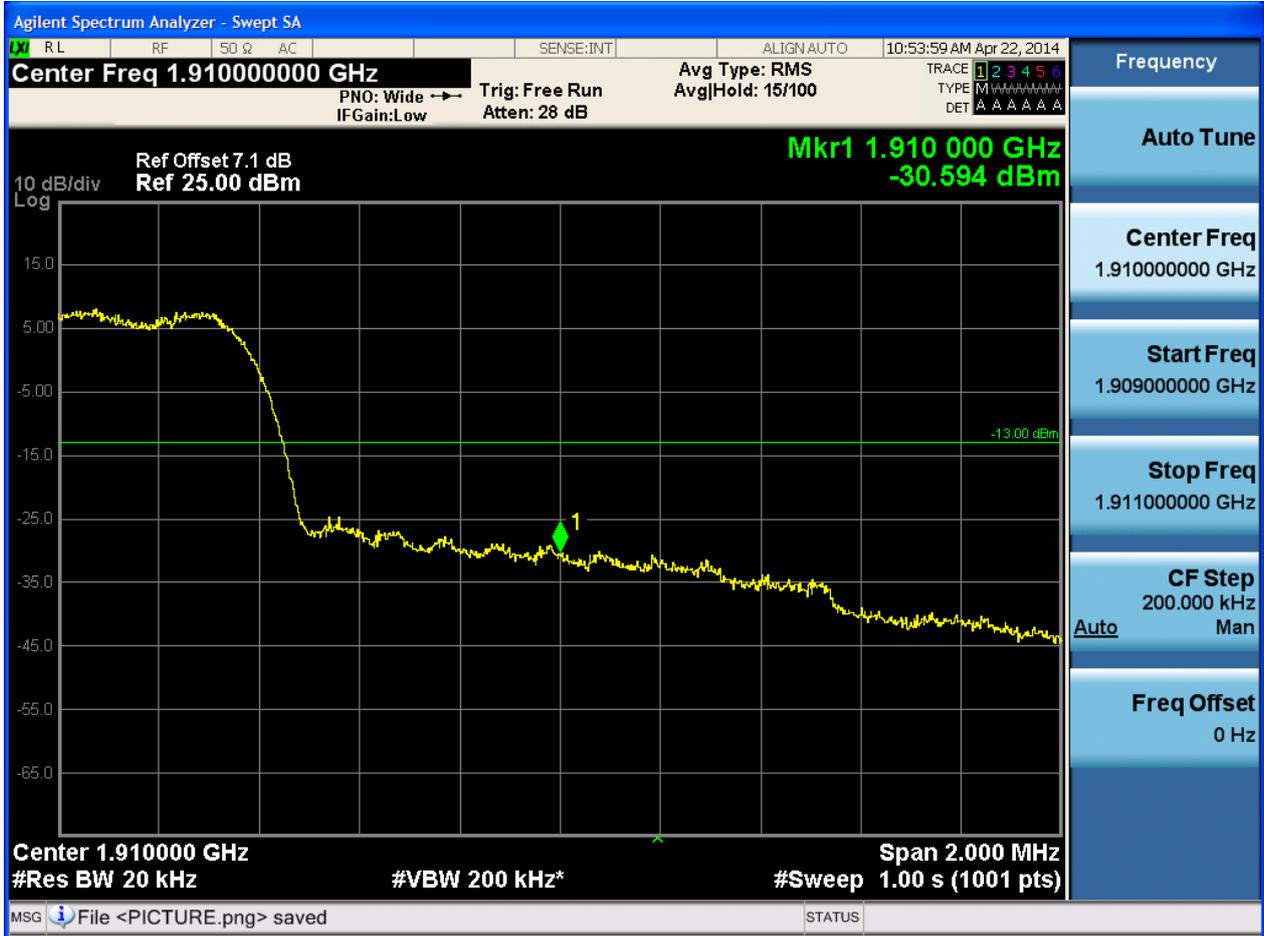
5.2.2.2.2 Test Modulation = QPSK (4096 bits)

5.2.2.2.2.1 Test Channel = LCH





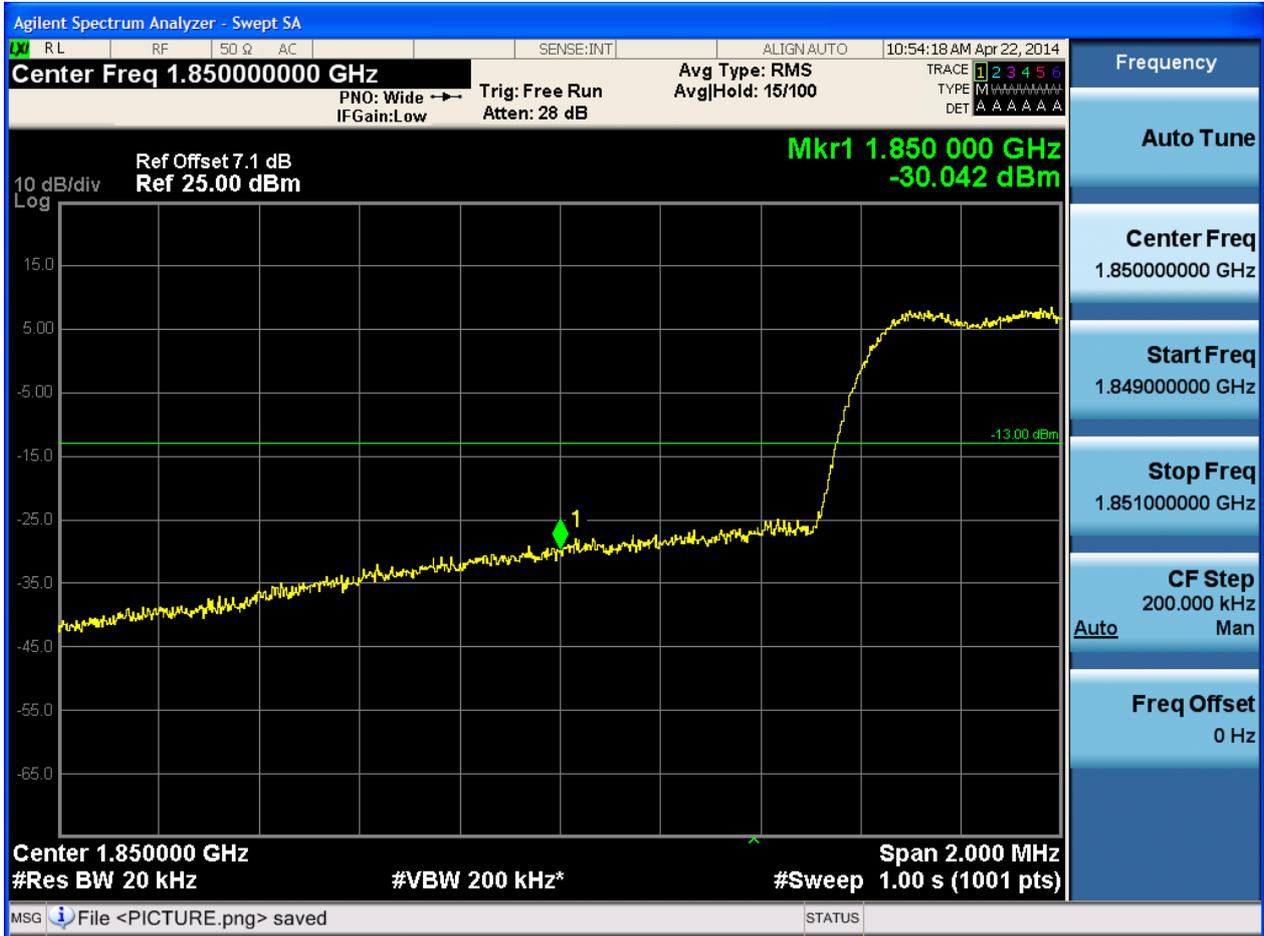
5.2.2.2.2 Test Channel = HCH





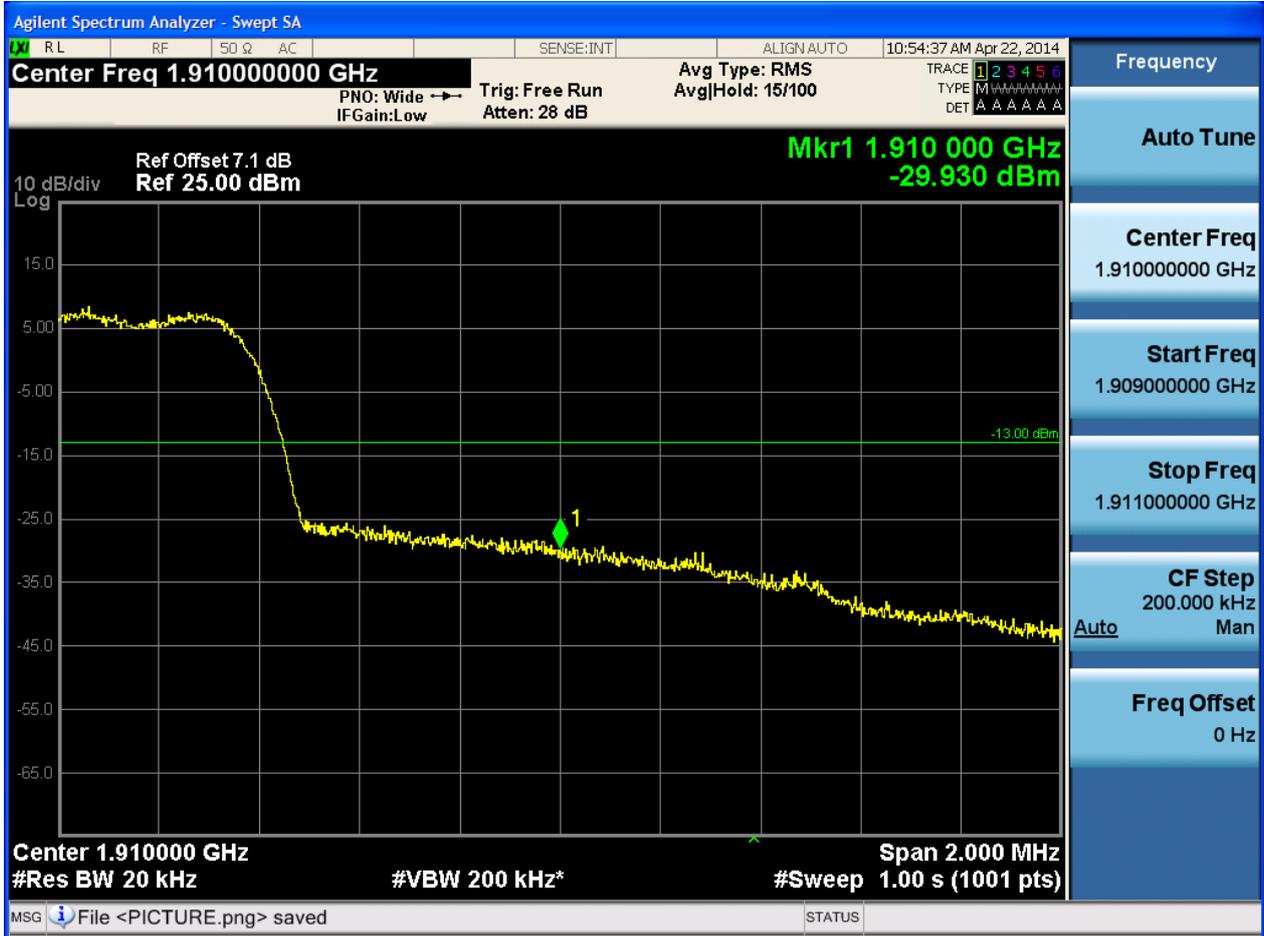
5.2.2.2.3 Test Modulation = 8-PSK (12288 bits)

5.2.2.2.3.1 Test Channel = LCH





5.2.2.2.3.2 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.

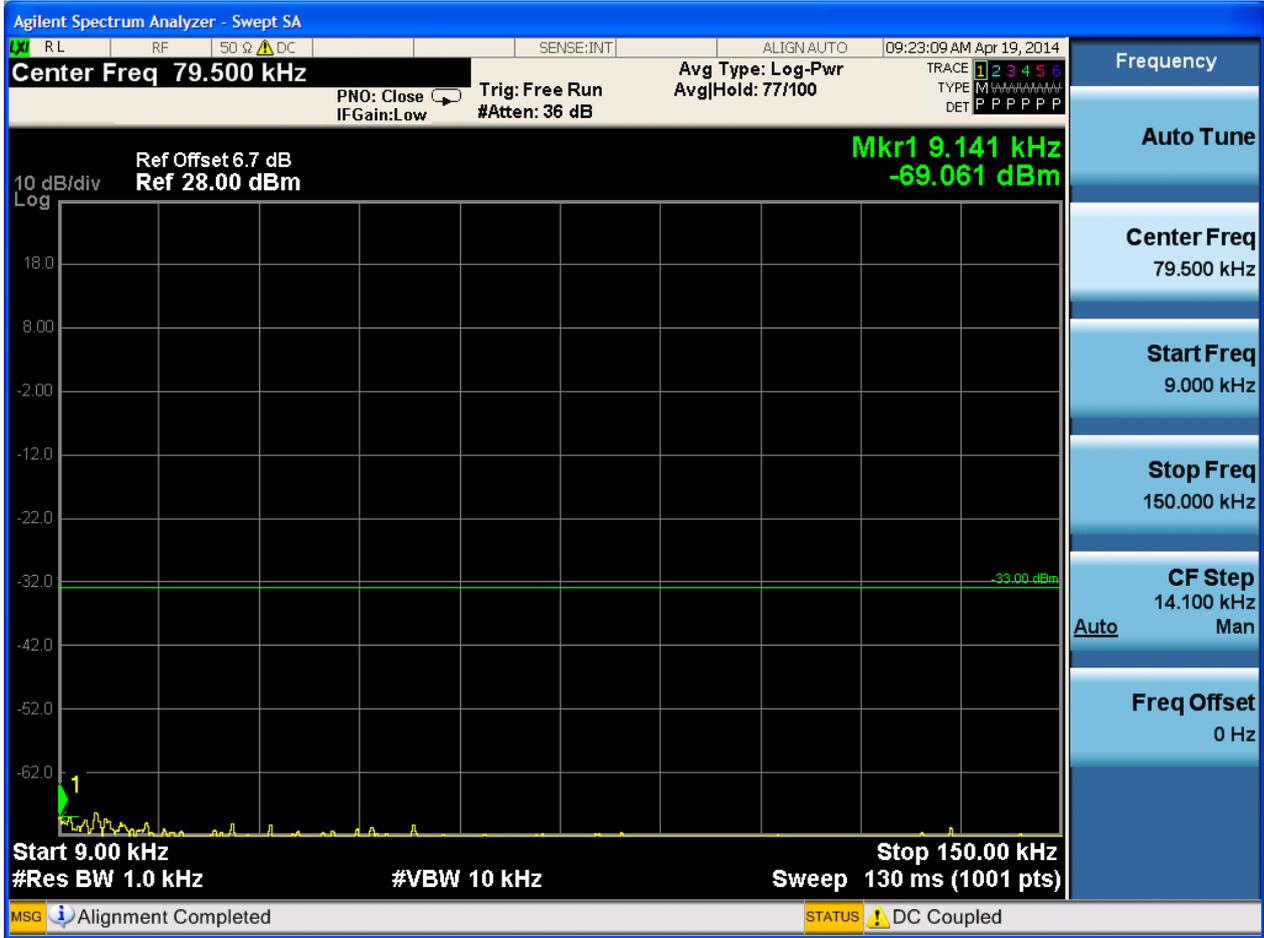
Part I - Test Plots

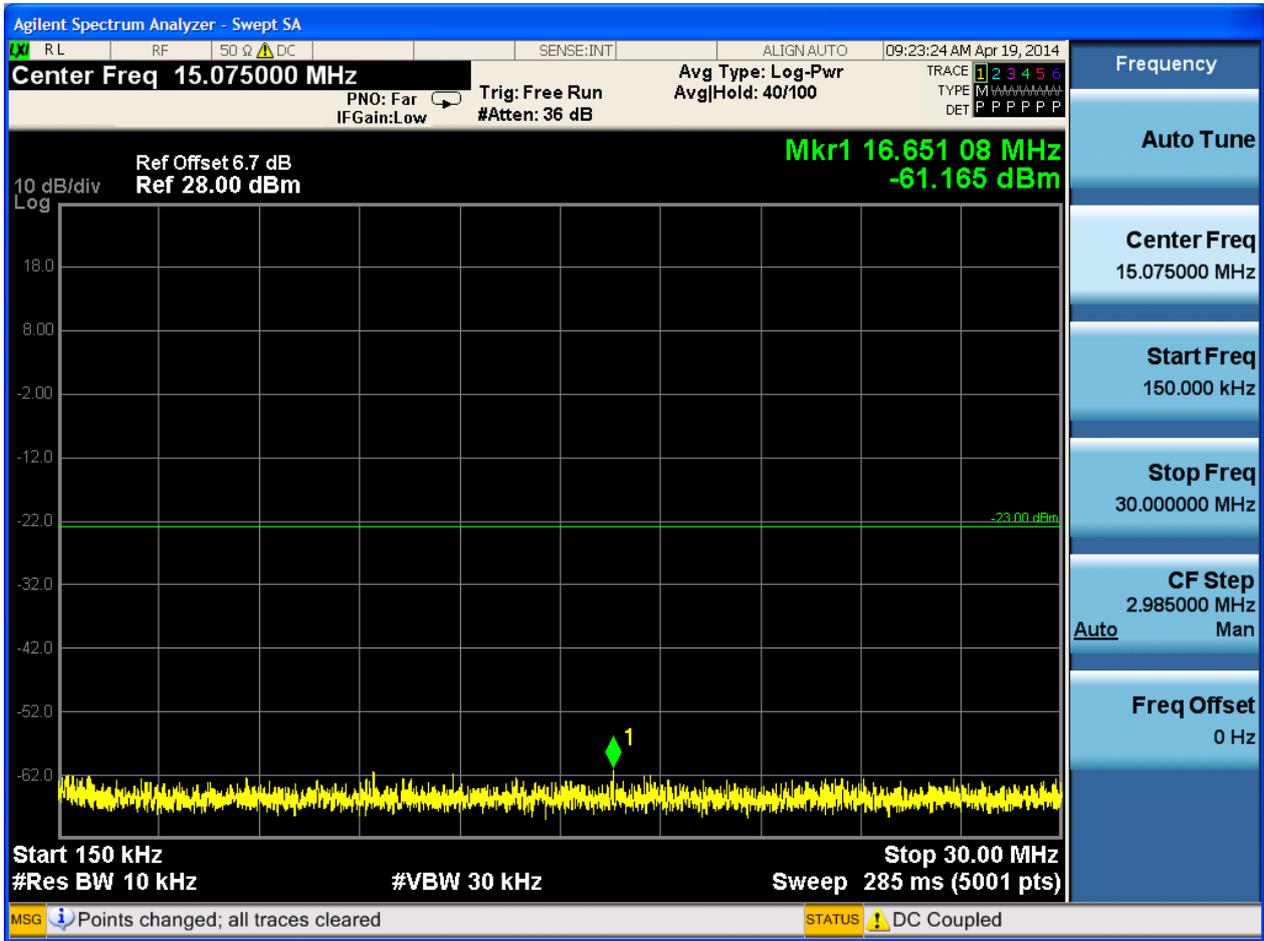
6.1 For CDMA/1X

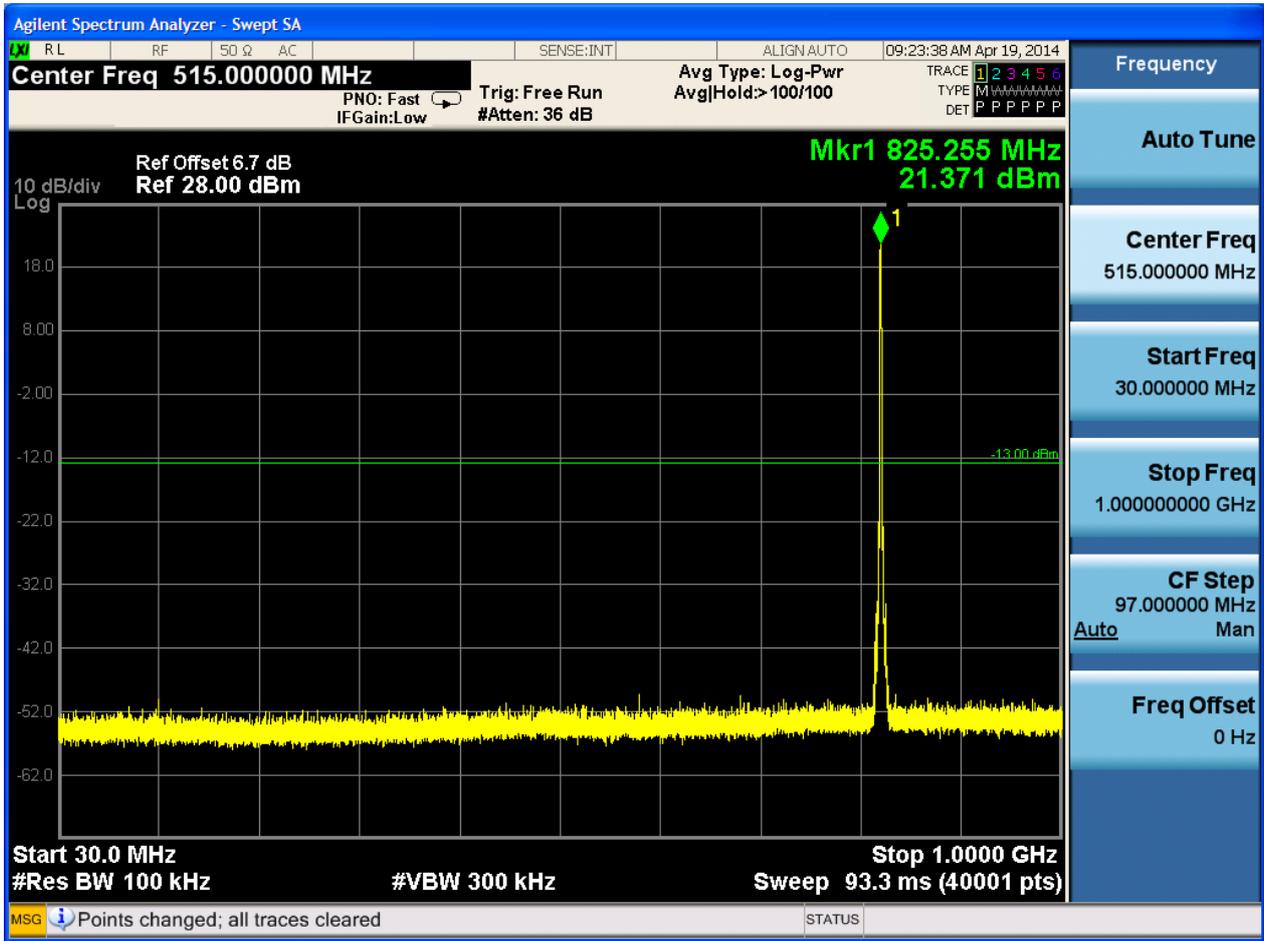
6.1.1 Test Band = BC0

6.1.1.1 Test Mode = CDMA/1X/TM1

6.1.1.1.1 Test Channel = LCH



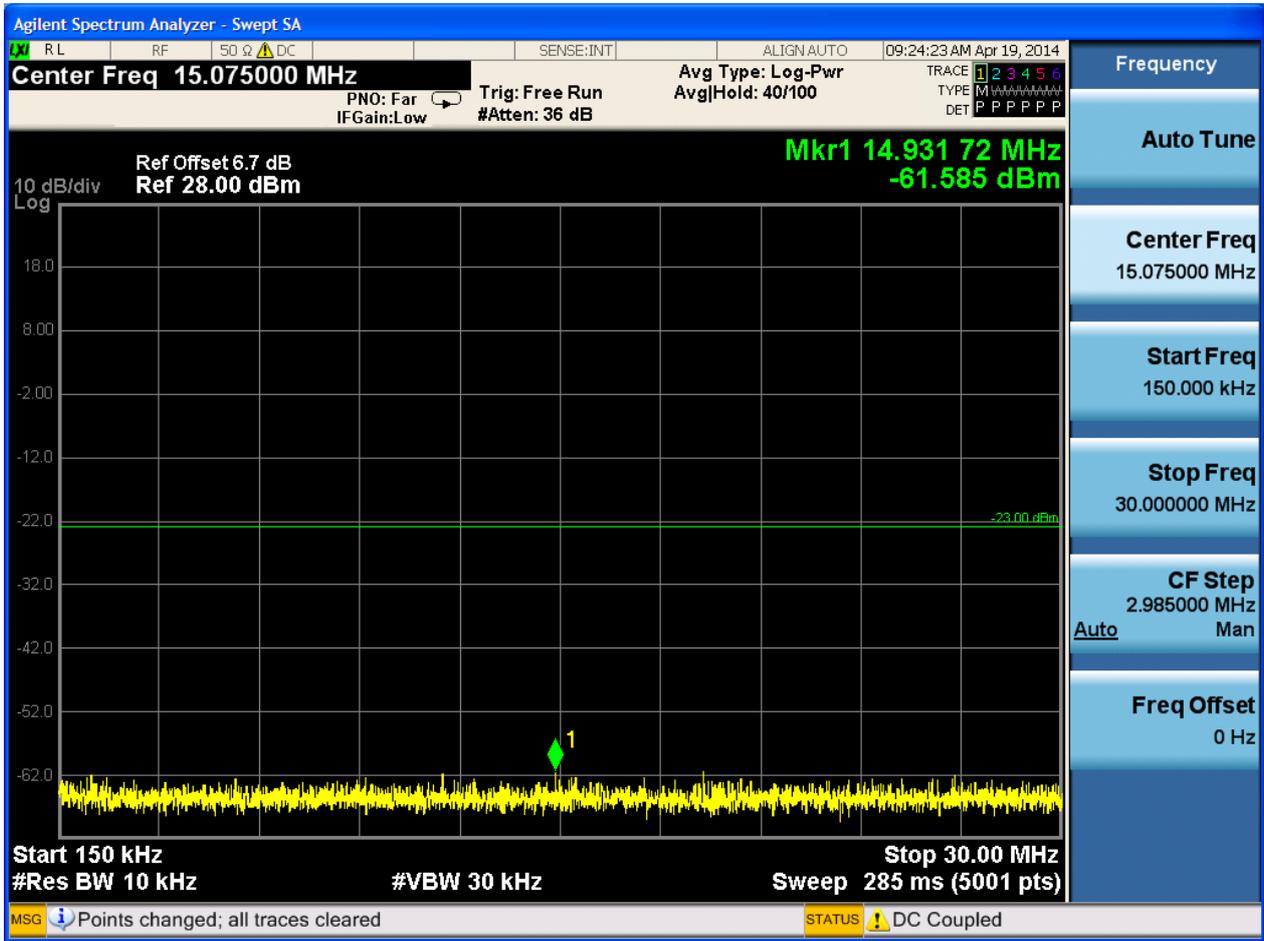


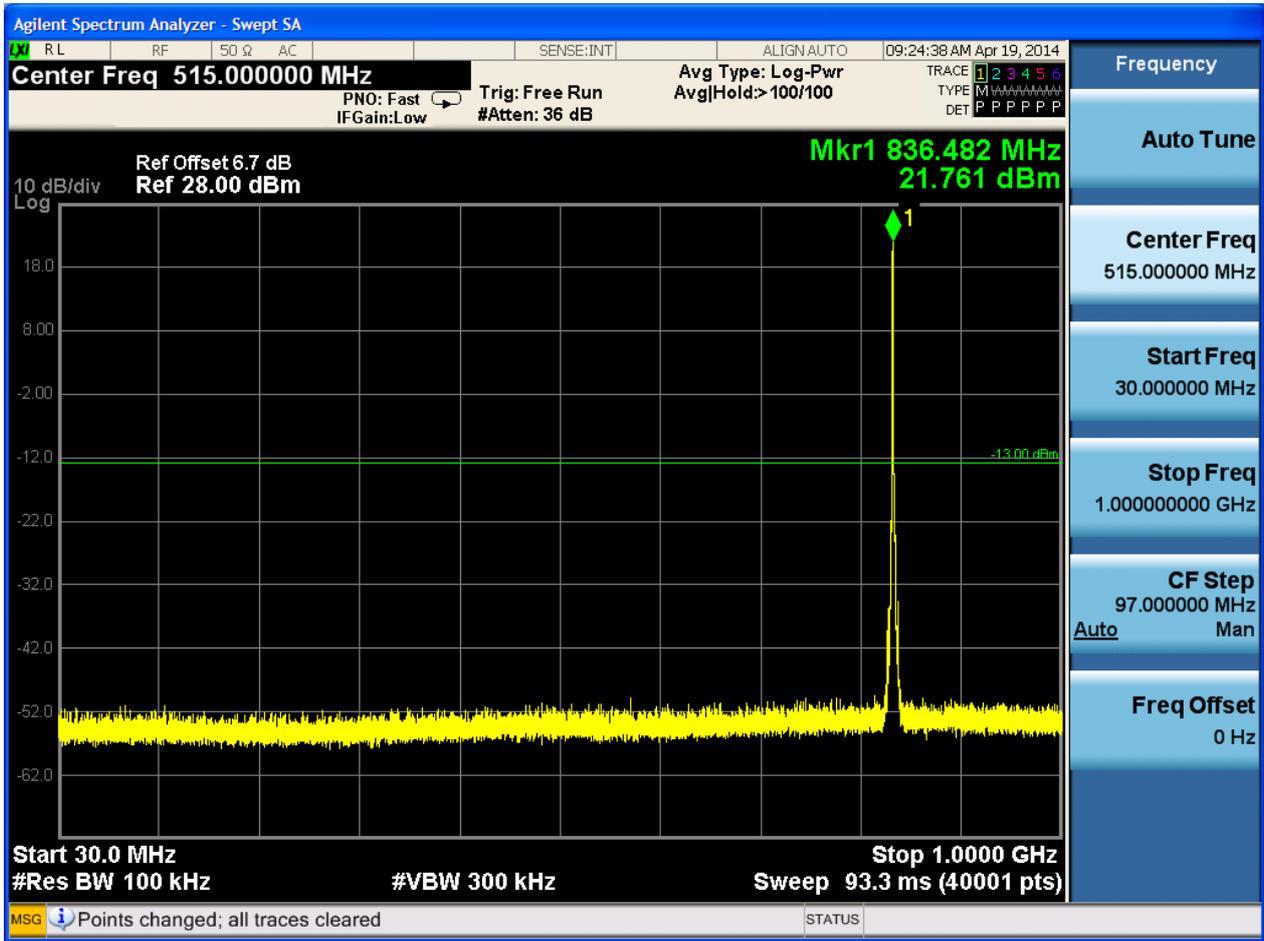


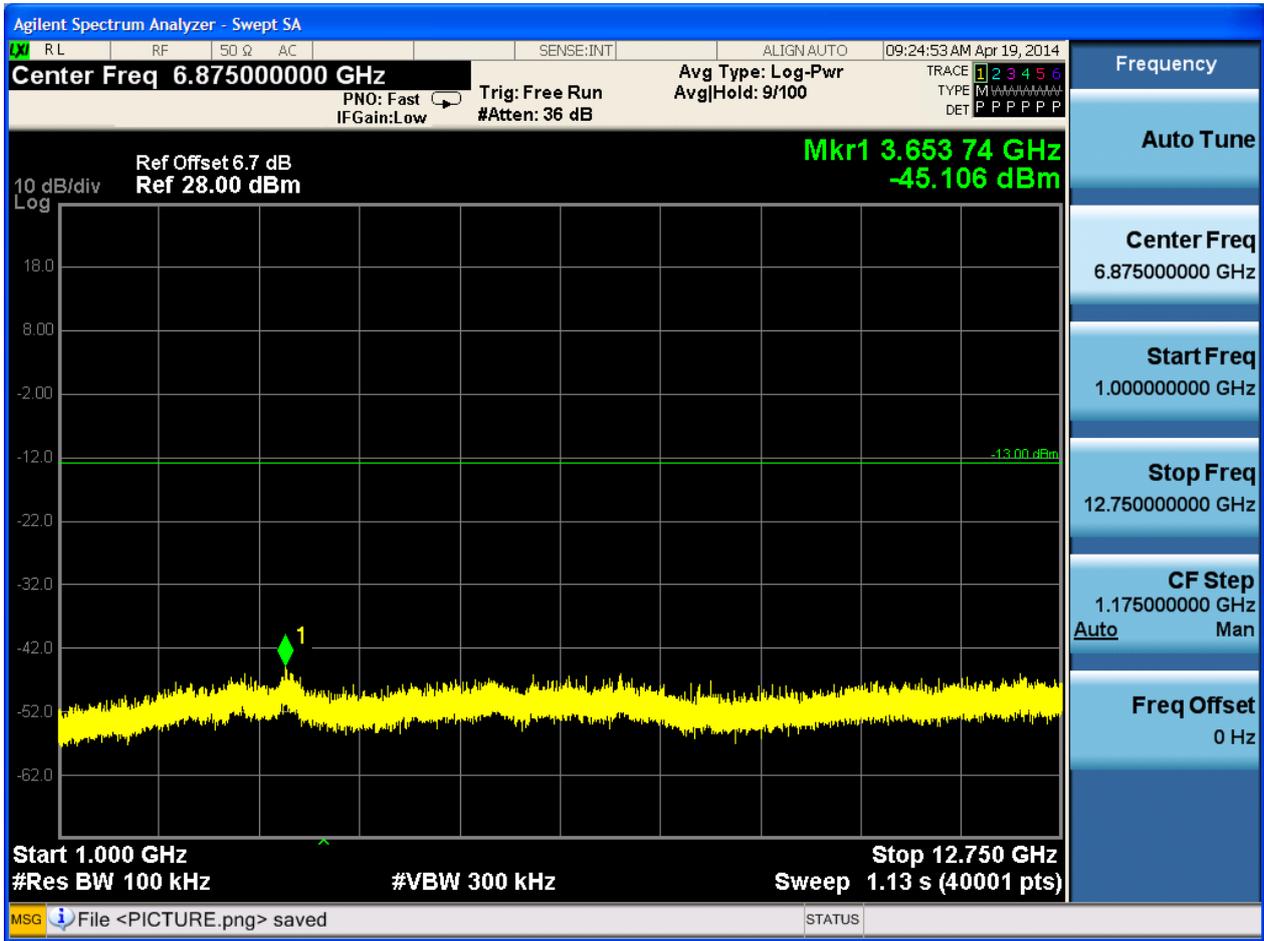


6.1.1.1.2 Test Channel = MCH



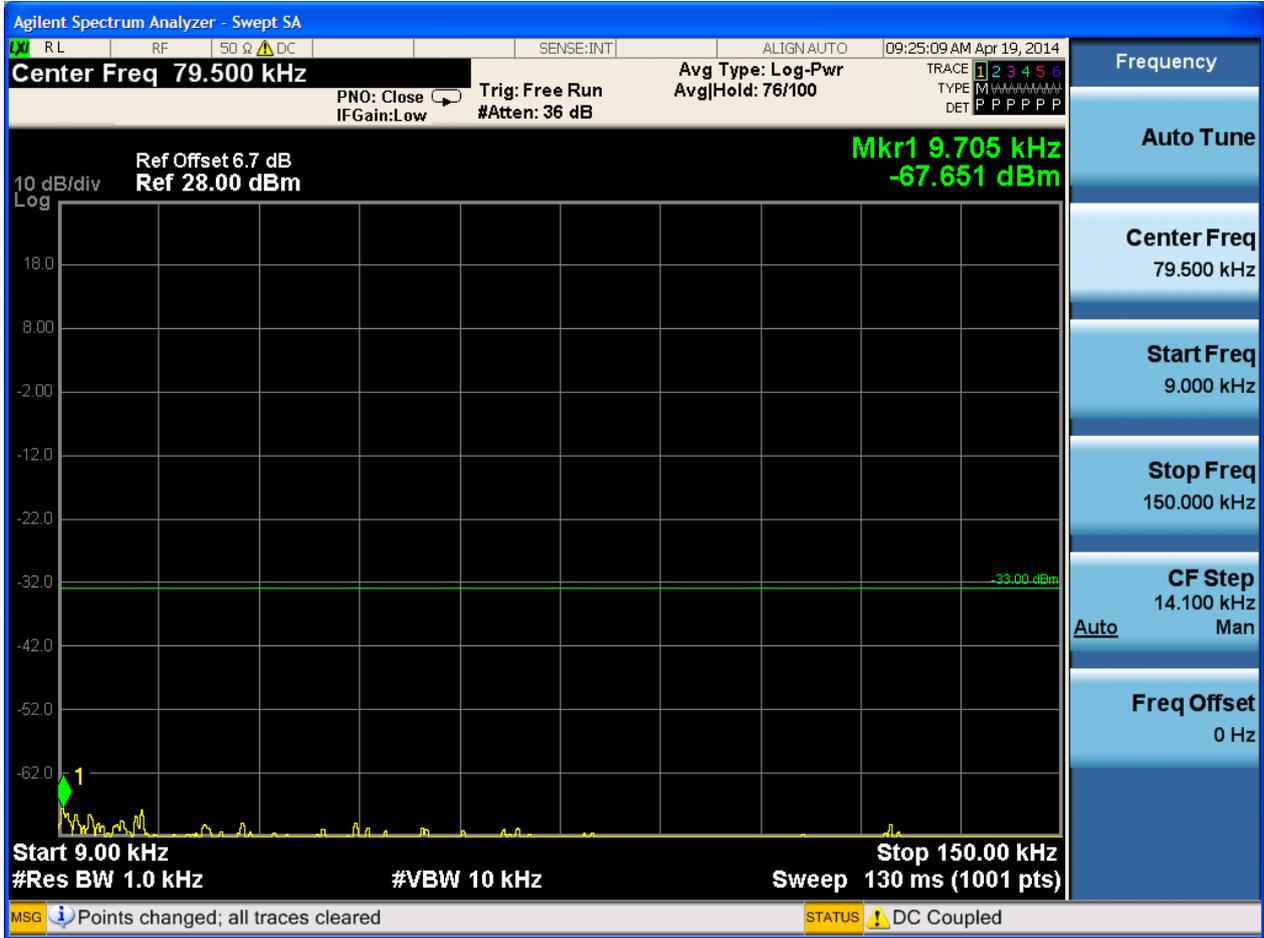


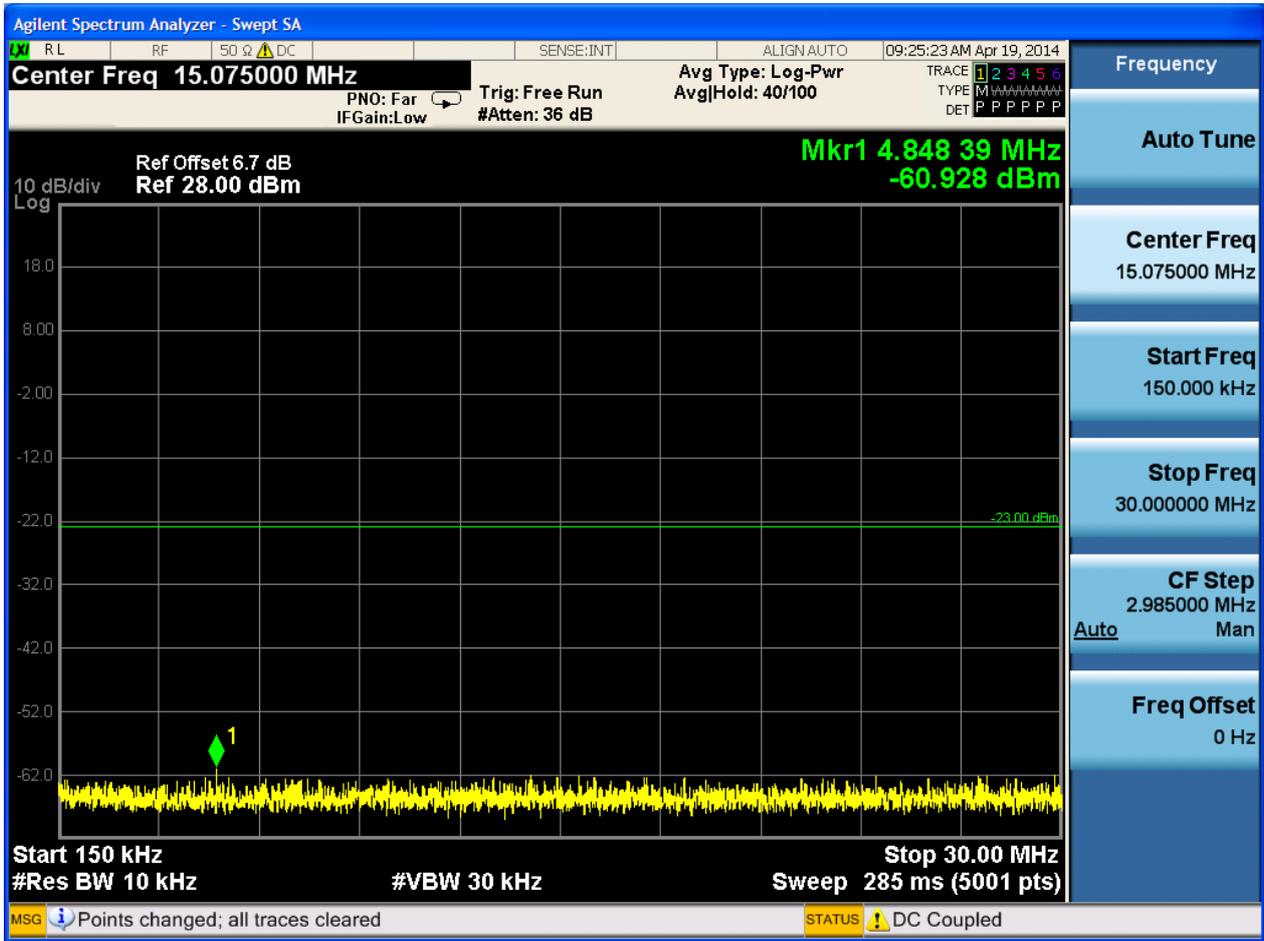


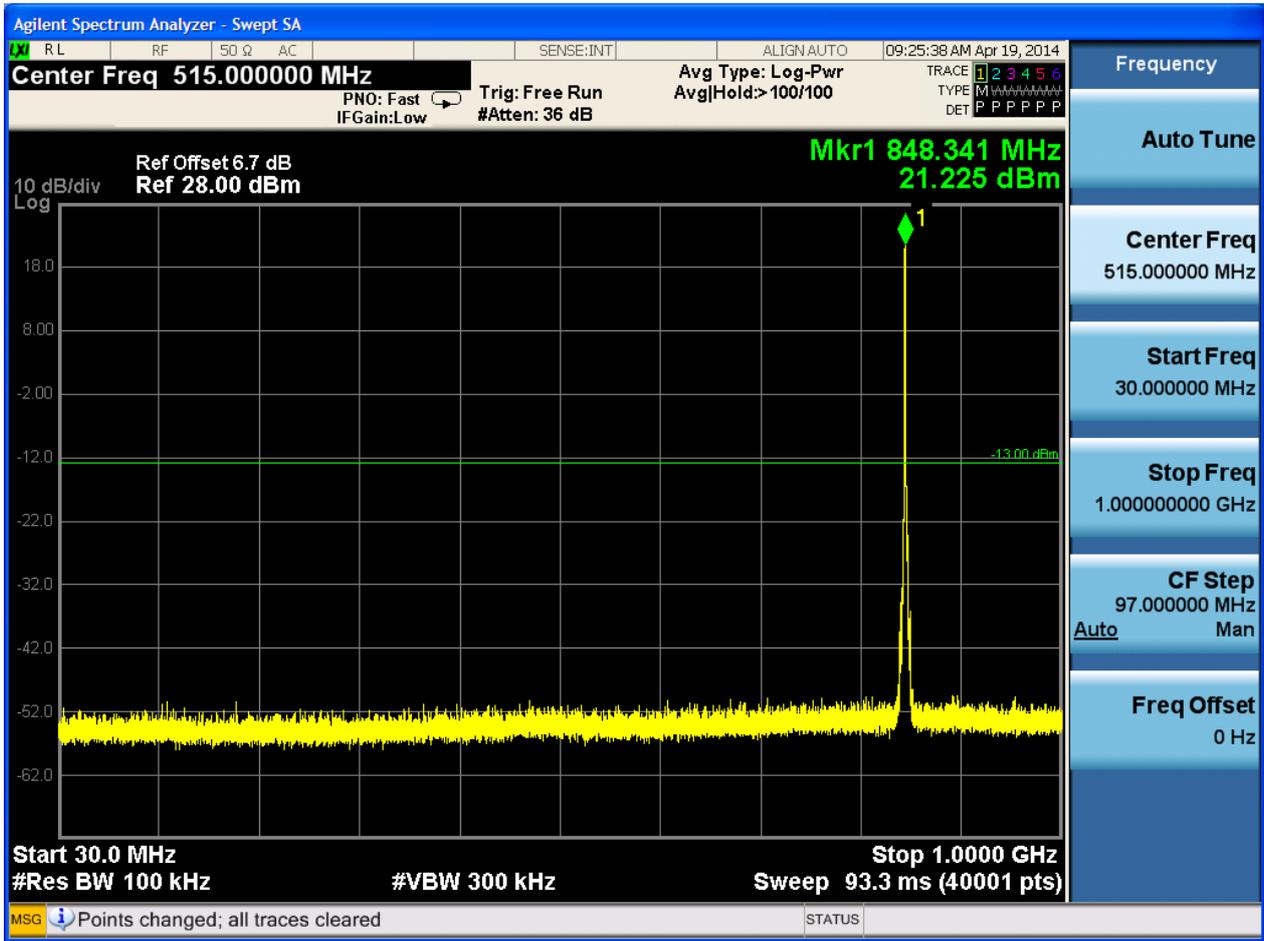




6.1.1.1.3 Test Channel = HCH





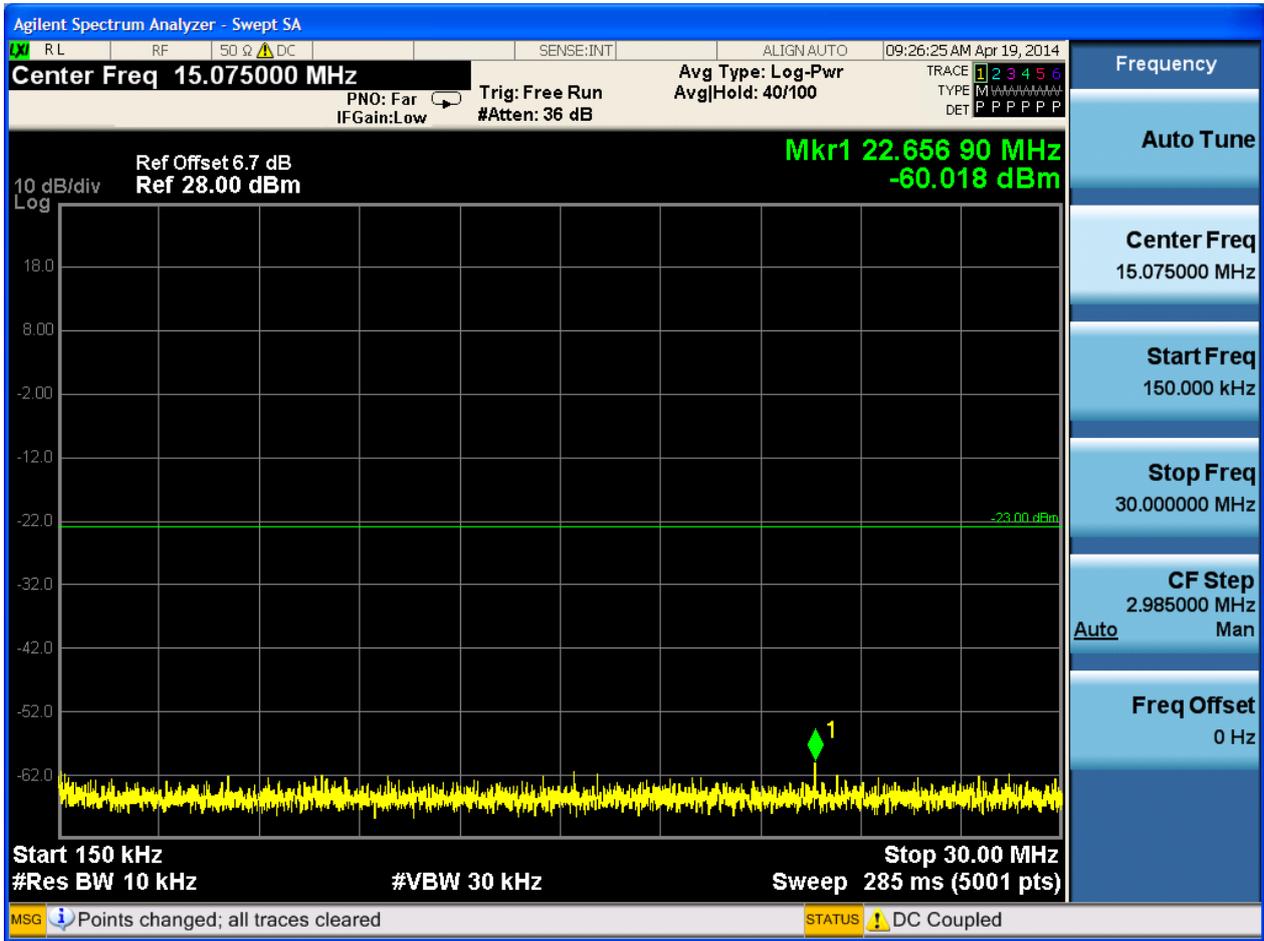


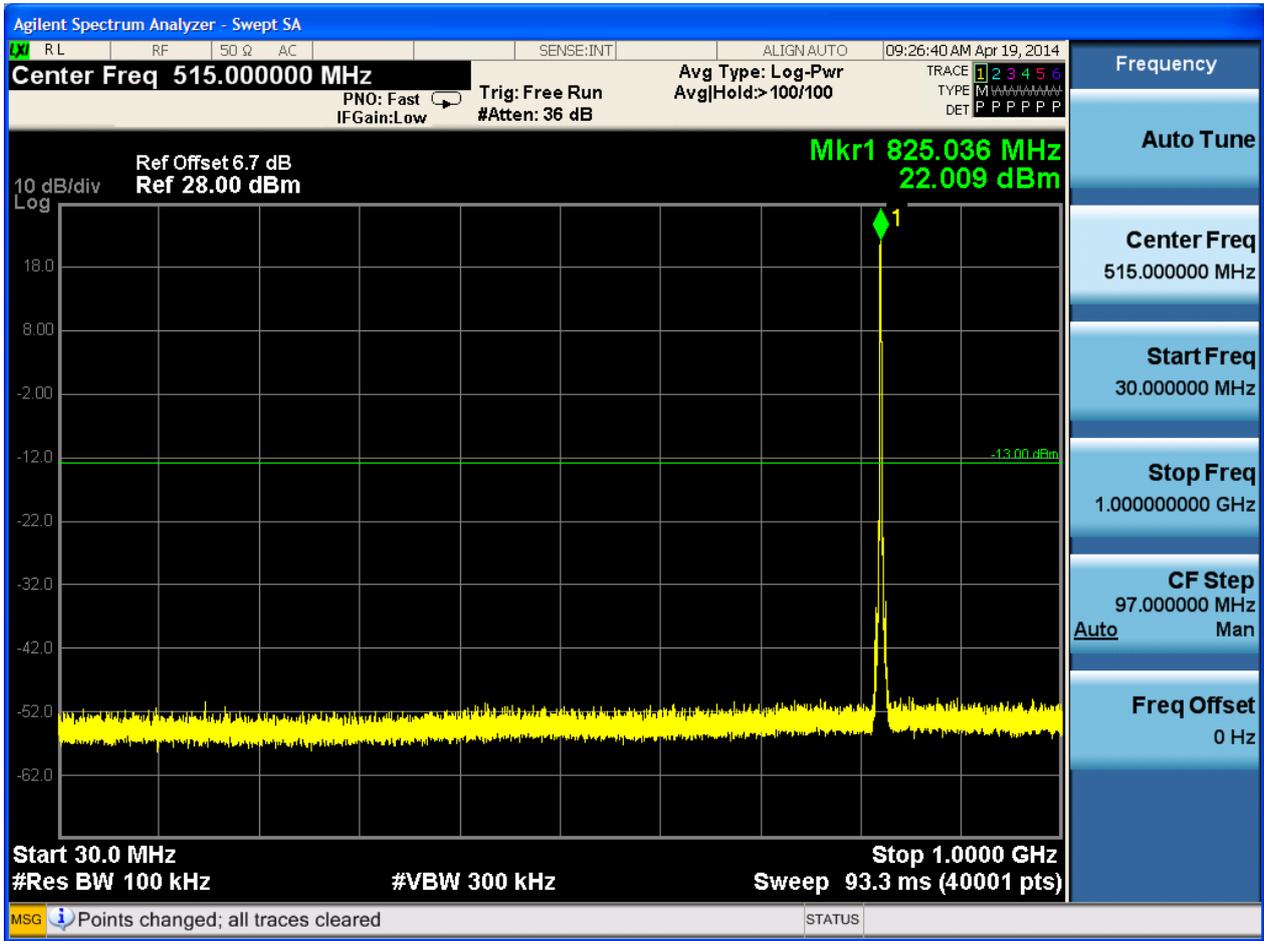


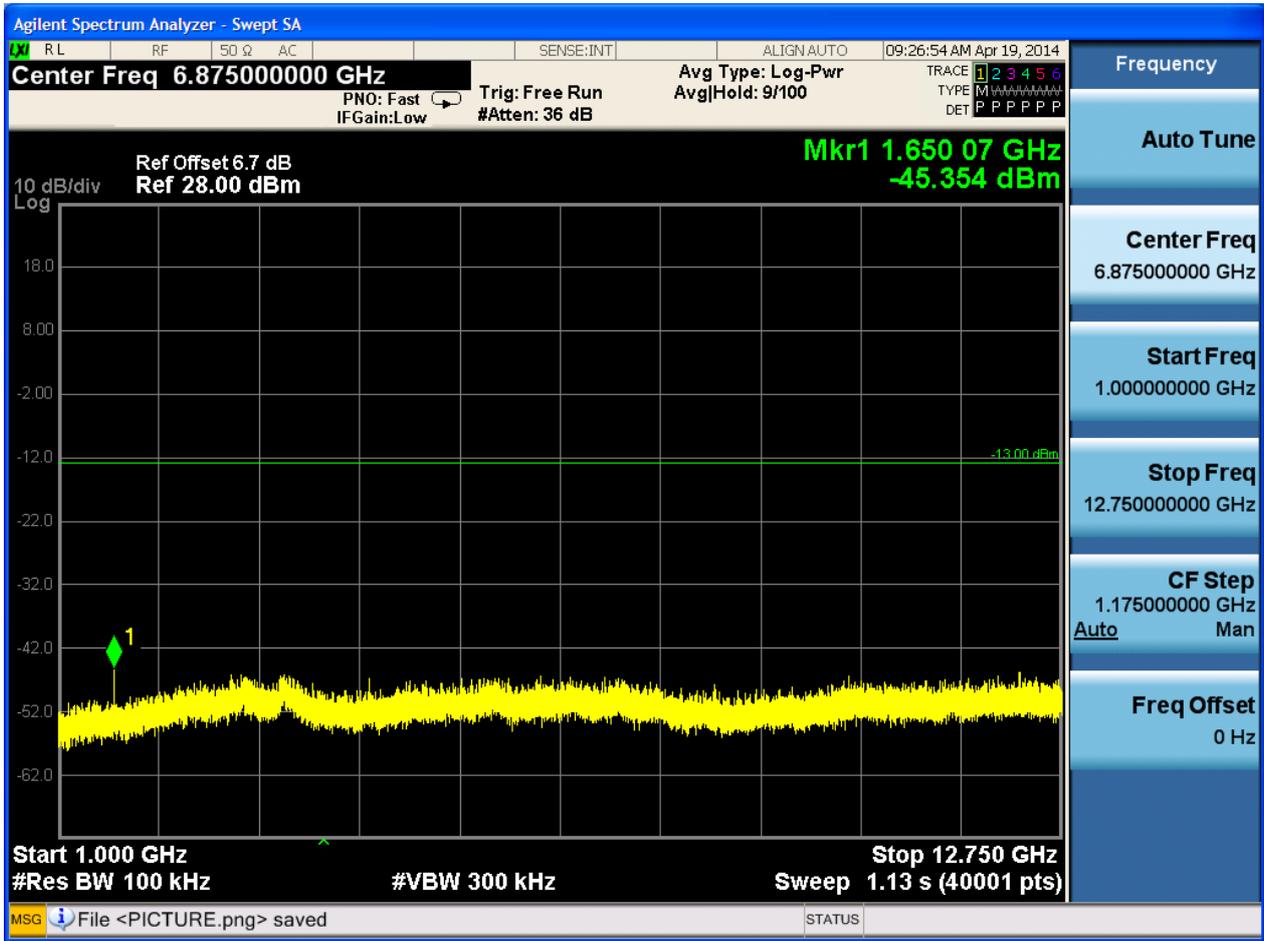
6.1.1.2 Test Mode = CDMA/1X/TM3

6.1.1.2.1 Test Channel = LCH



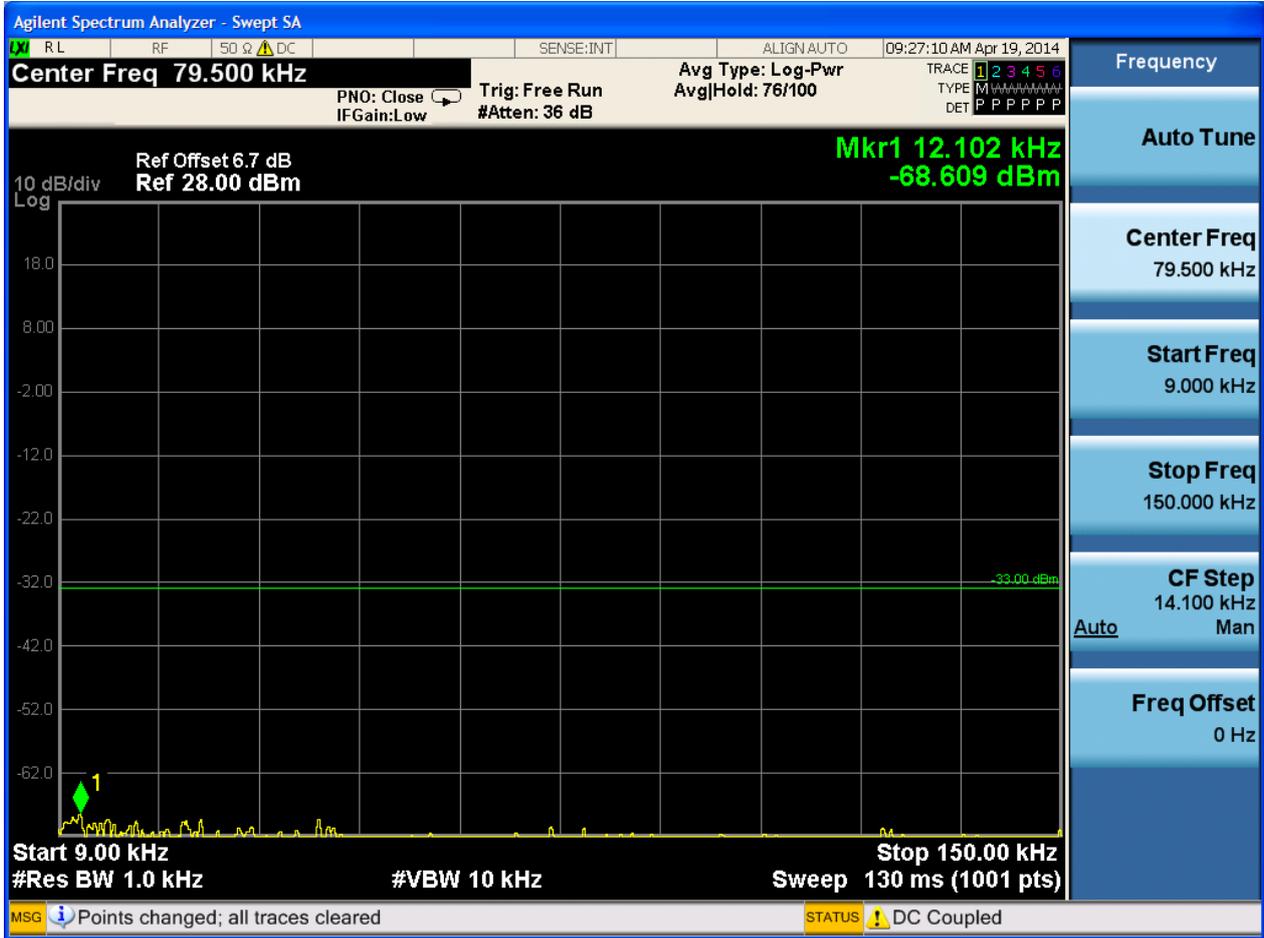


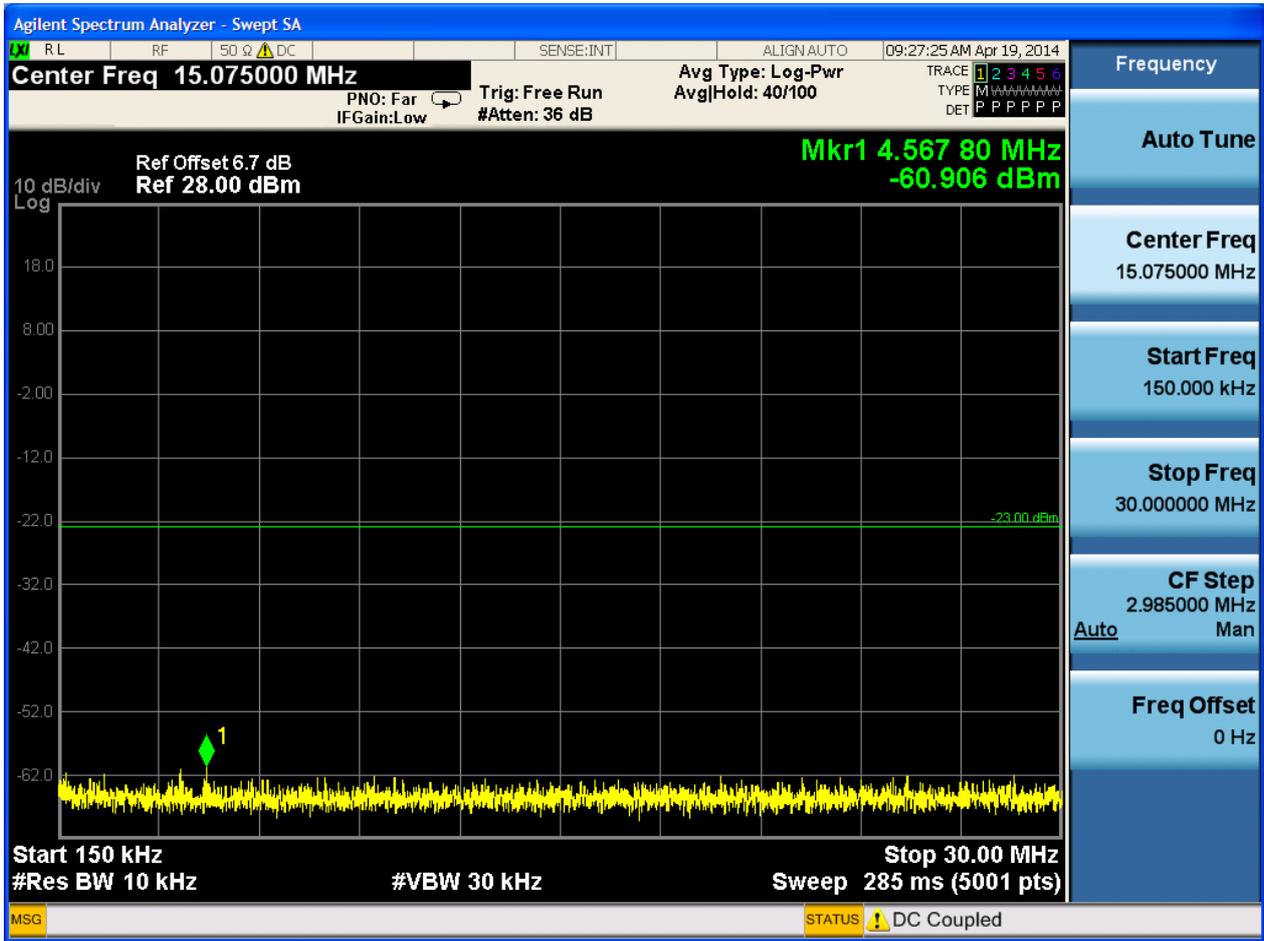


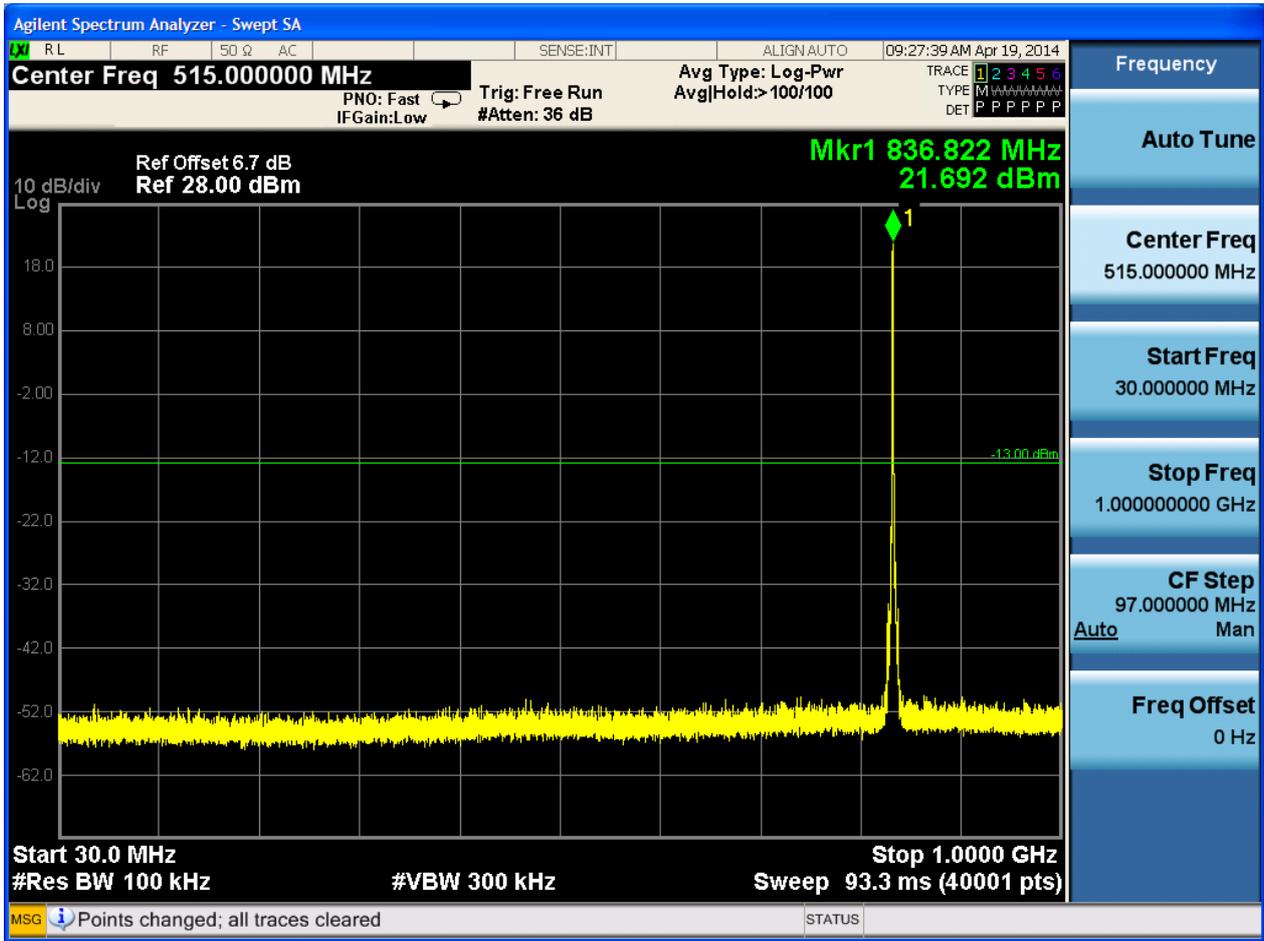


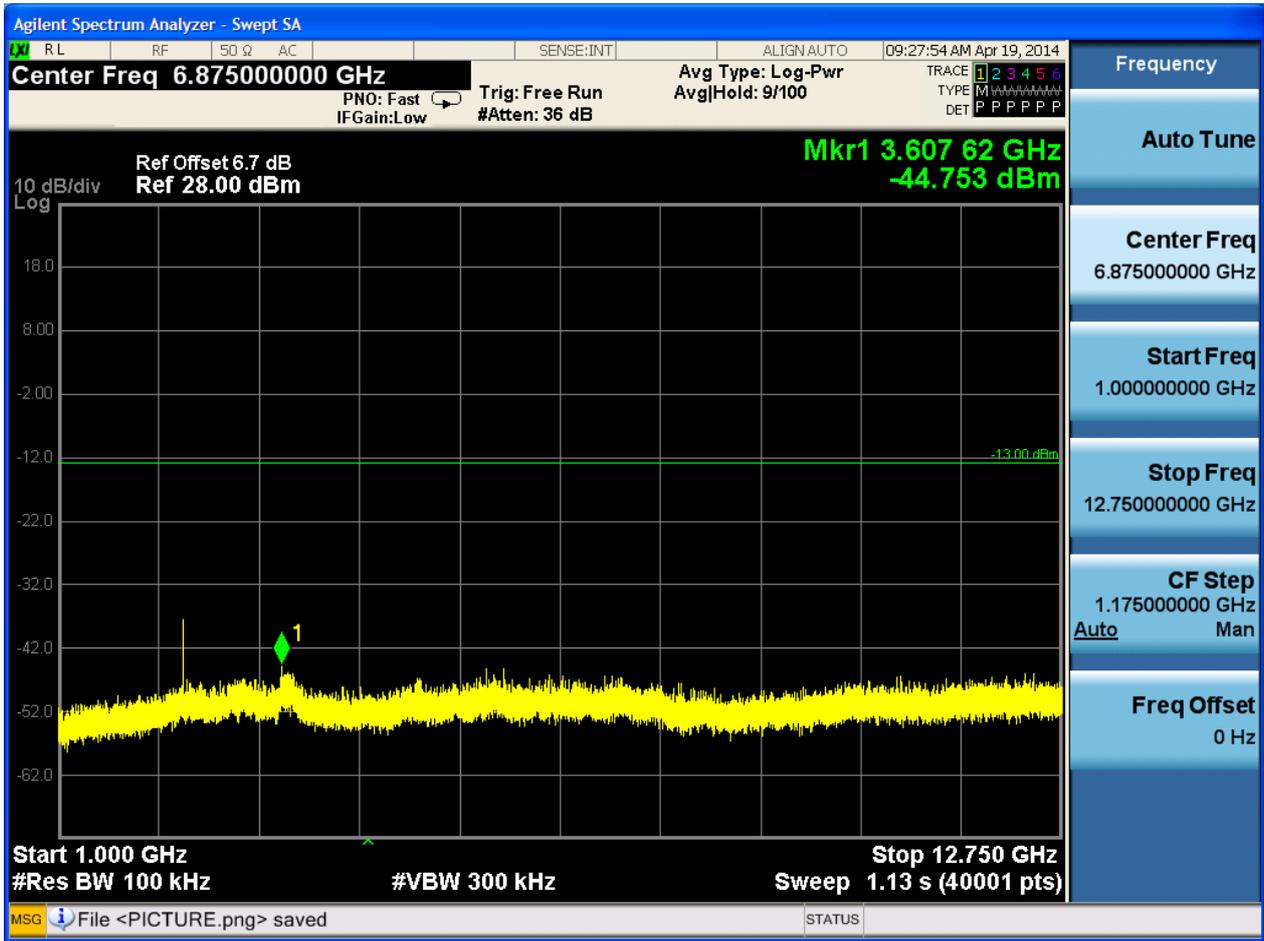


6.1.1.2.2 Test Channel = MCH



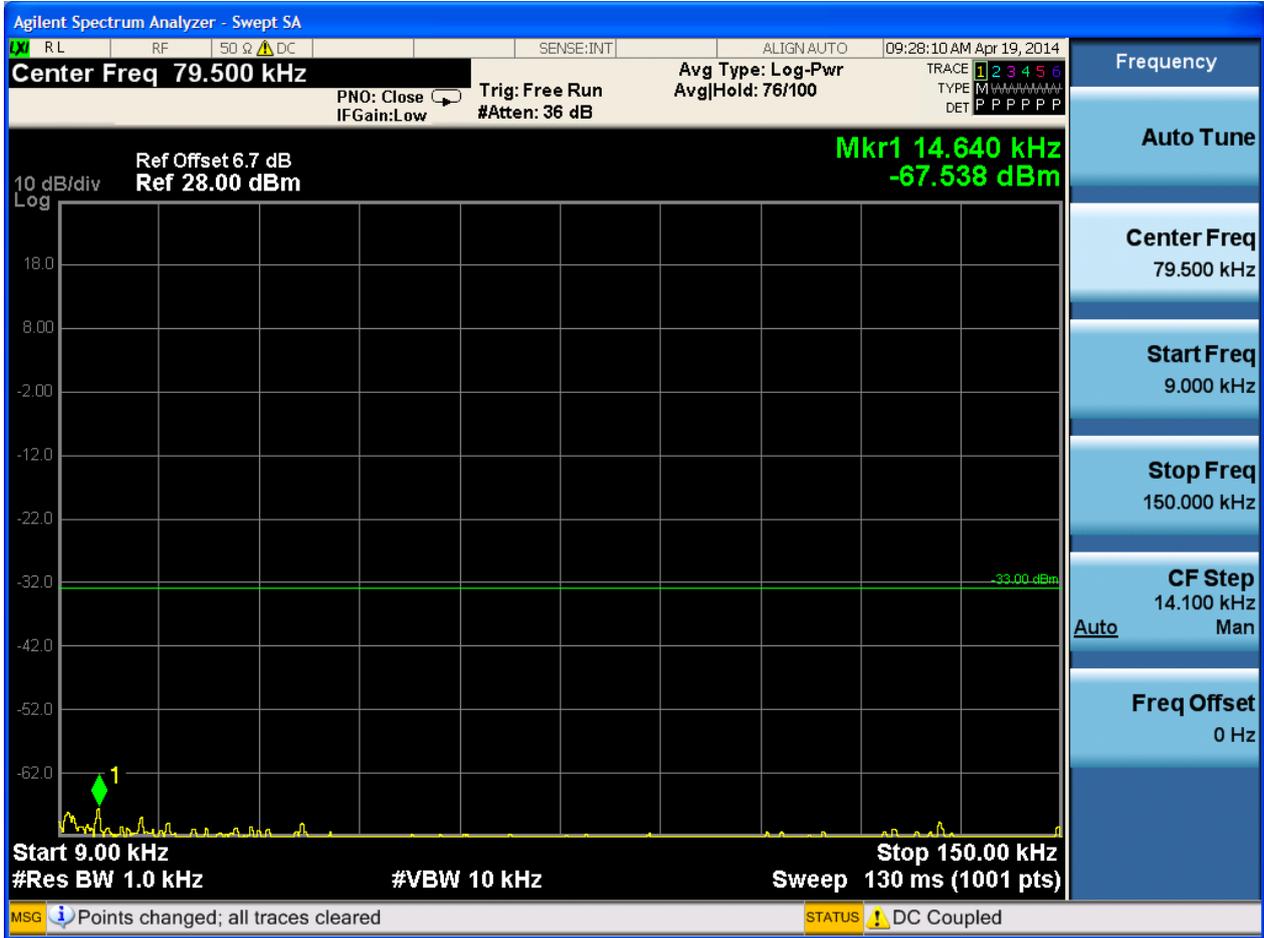


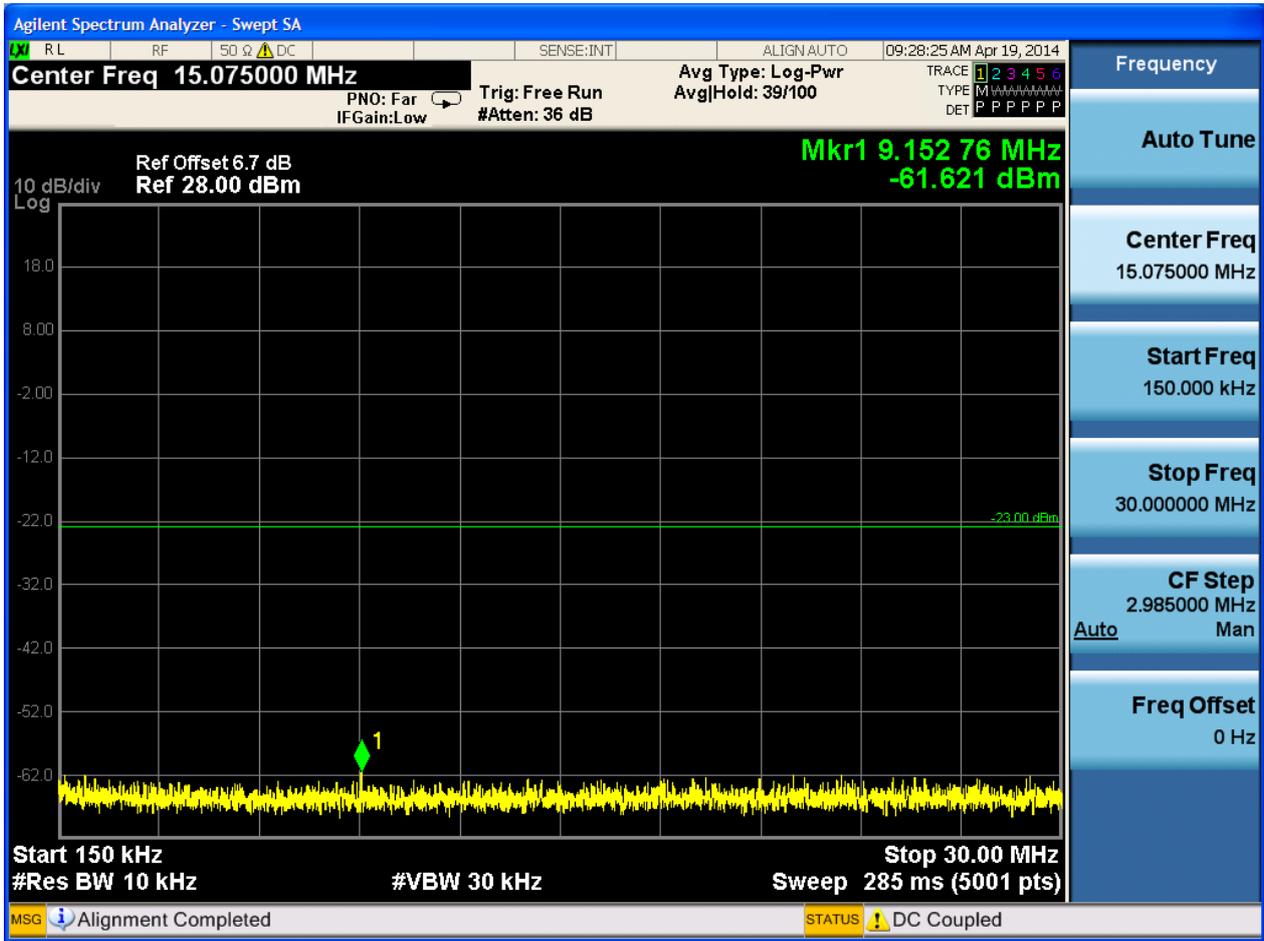


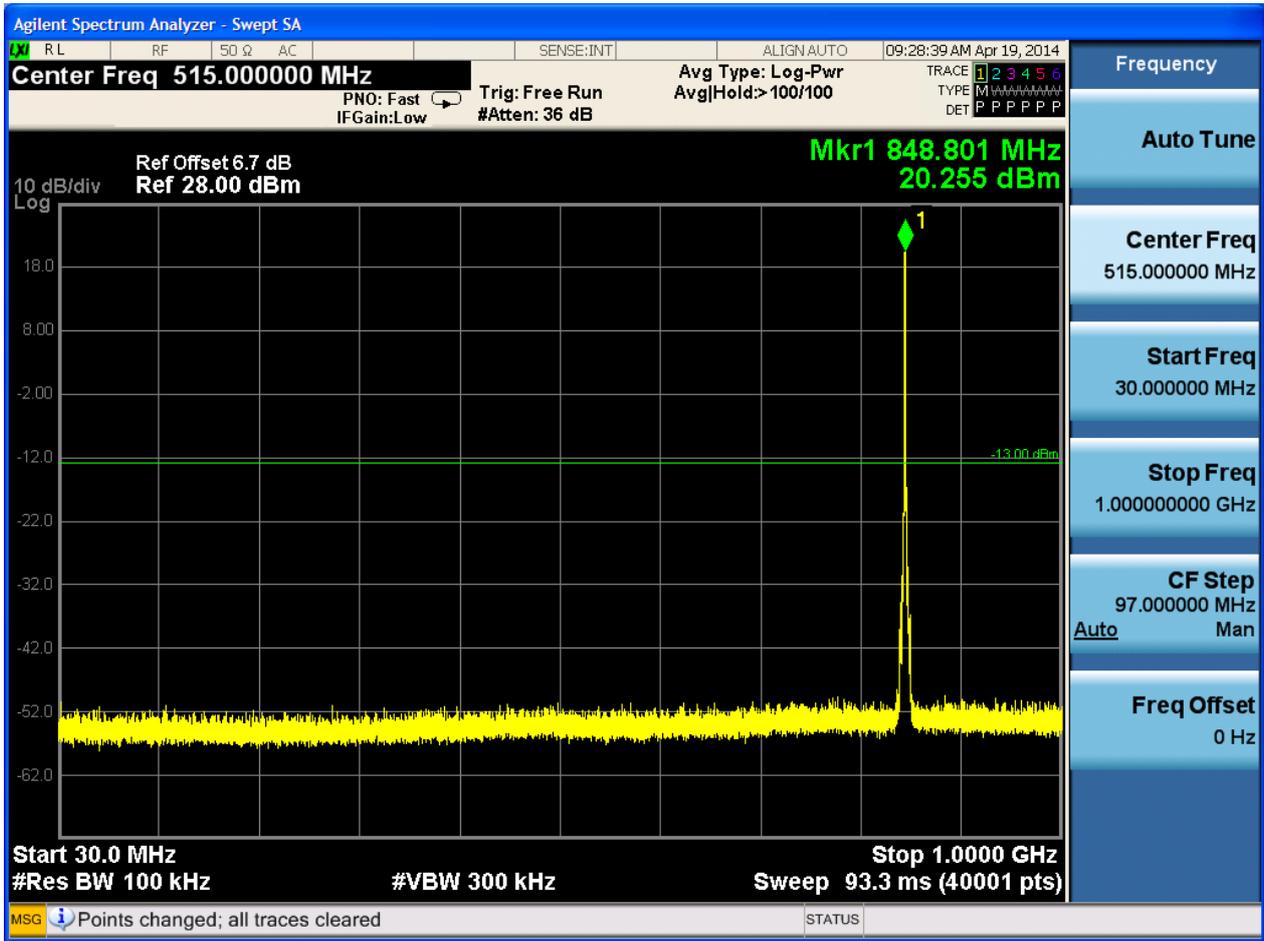


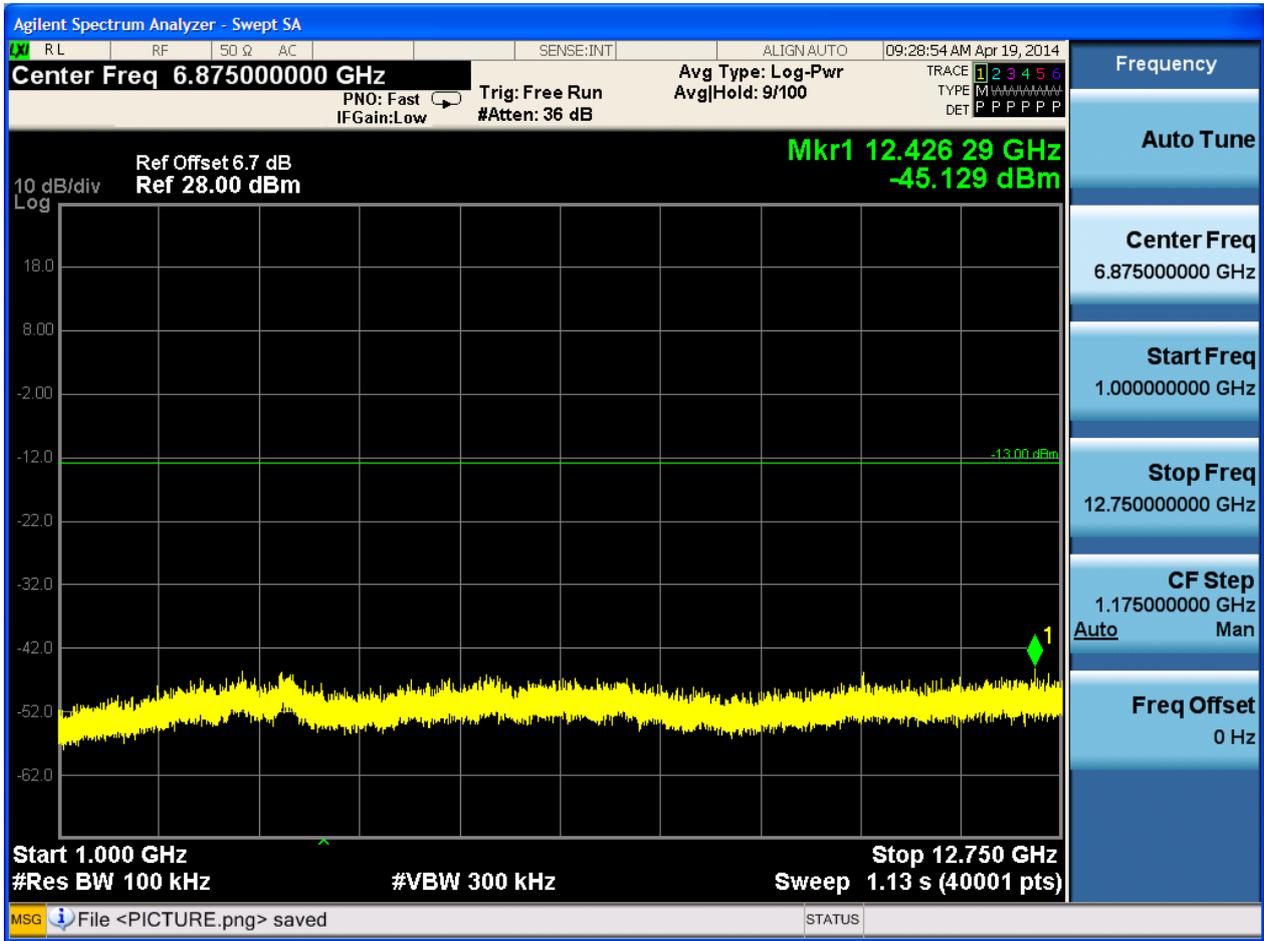


6.1.1.2.3 Test Channel = HCH







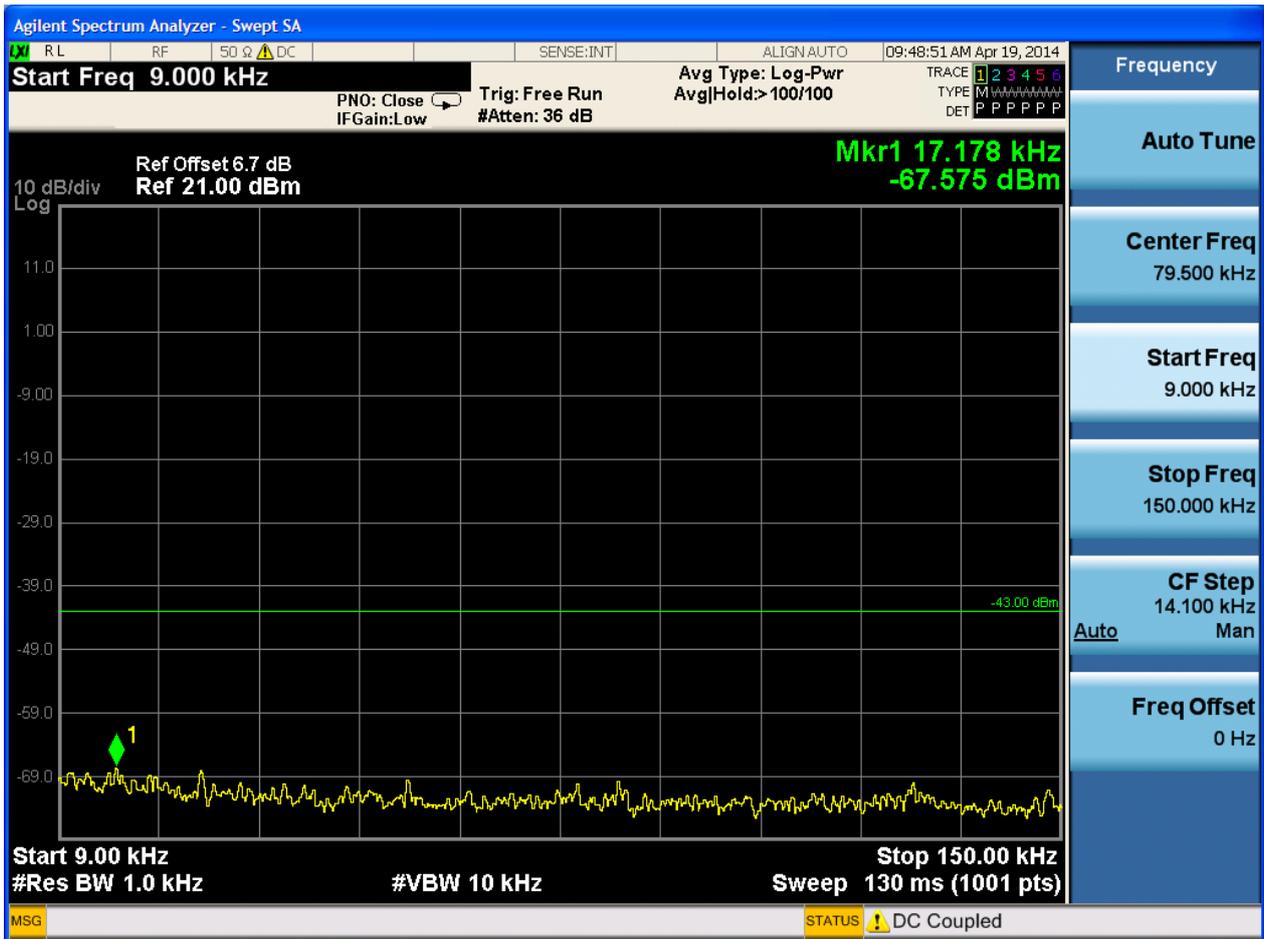


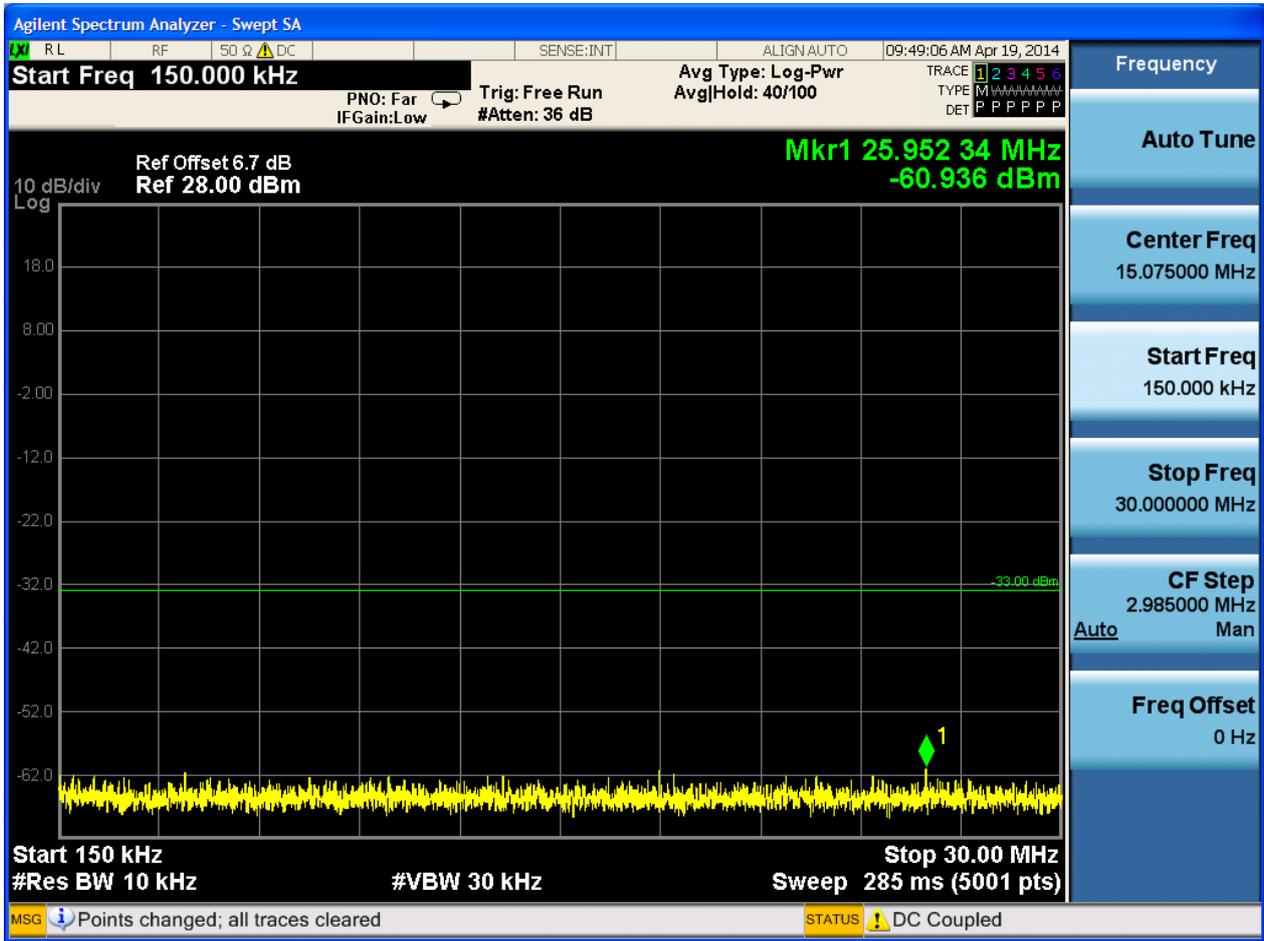


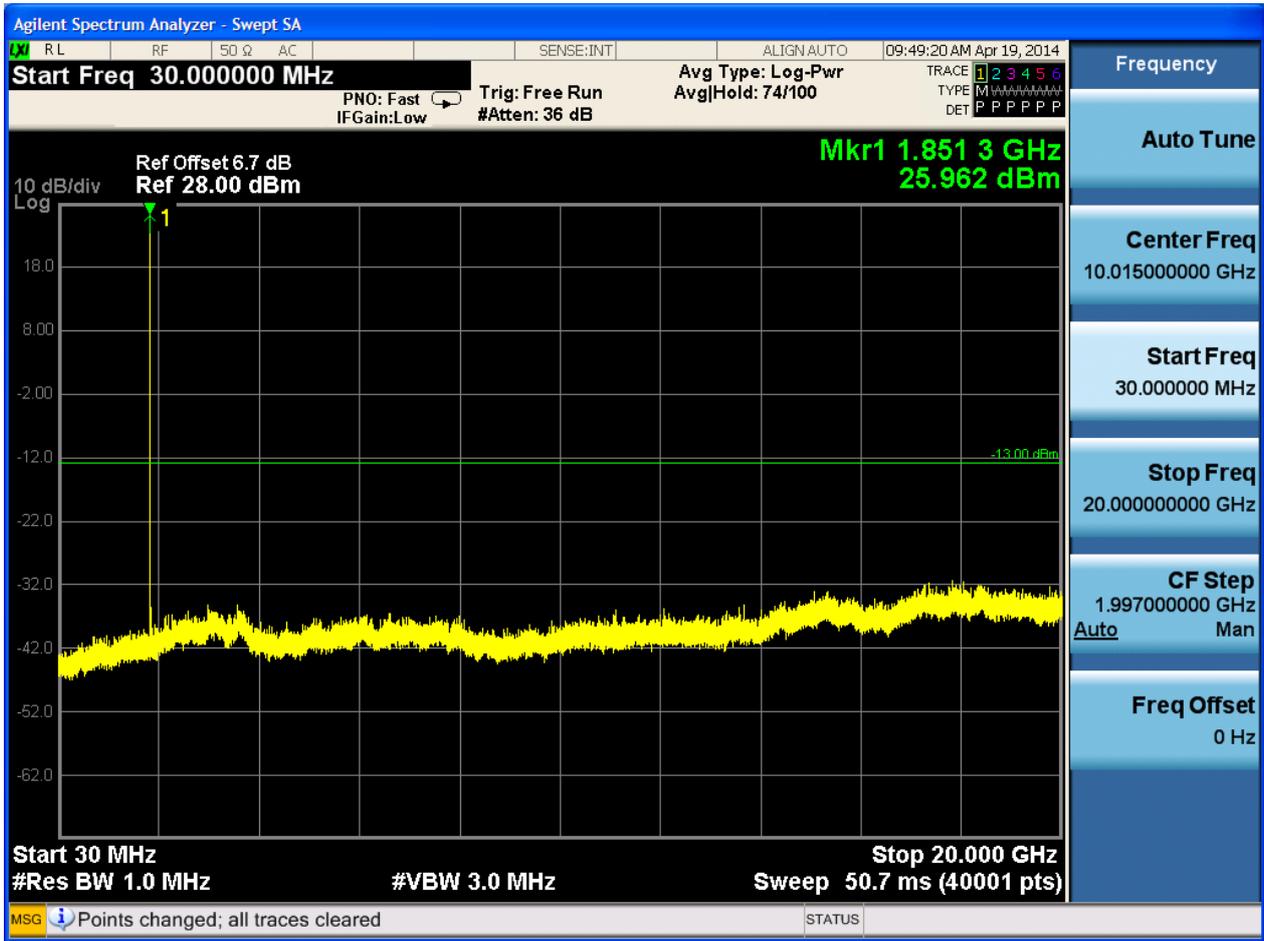
6.1.2 Test Band = BC1

6.1.2.1 Test Mode = CDMA/1X/TM1

6.1.2.1.1 Test Channel = LCH

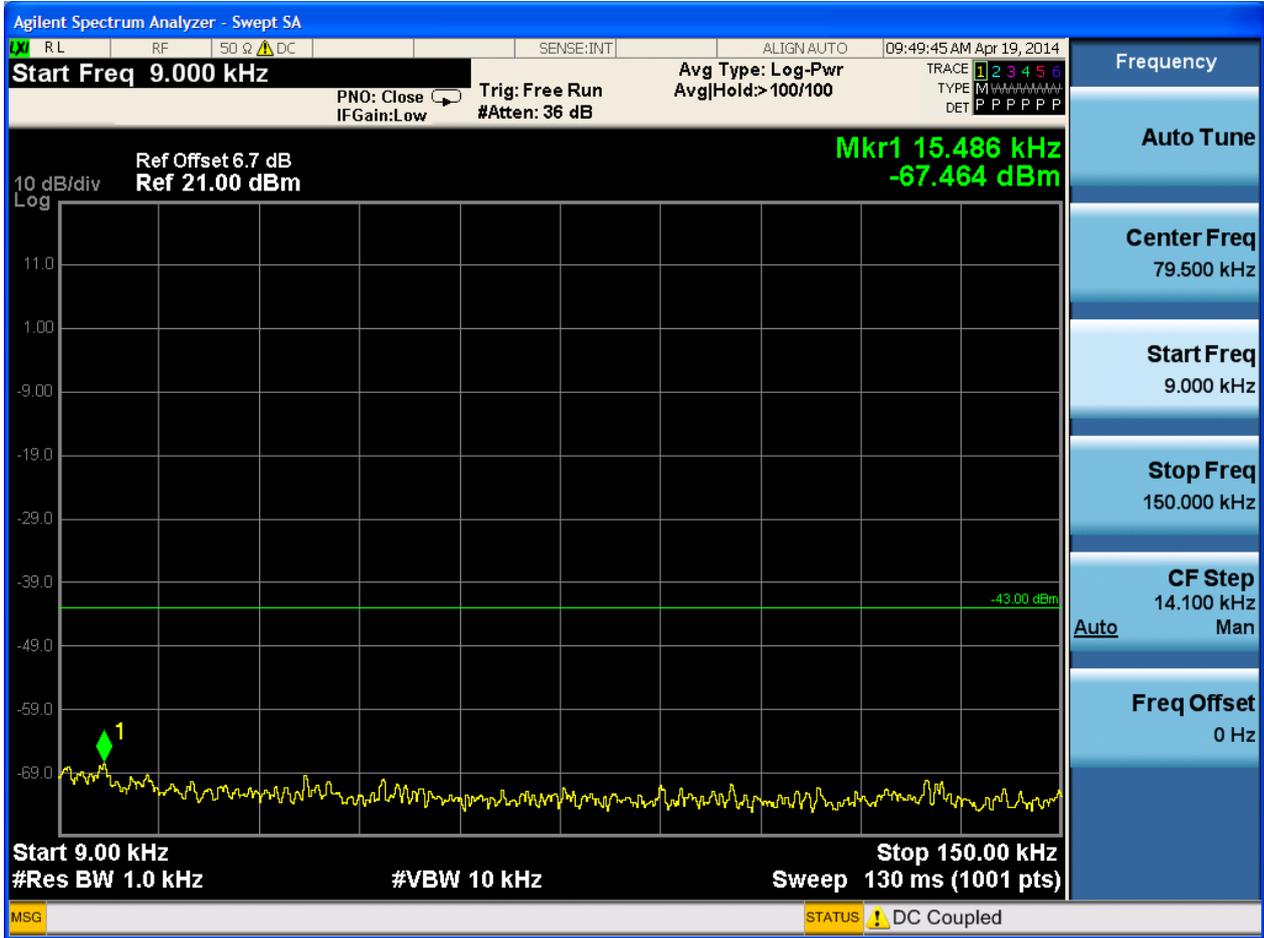


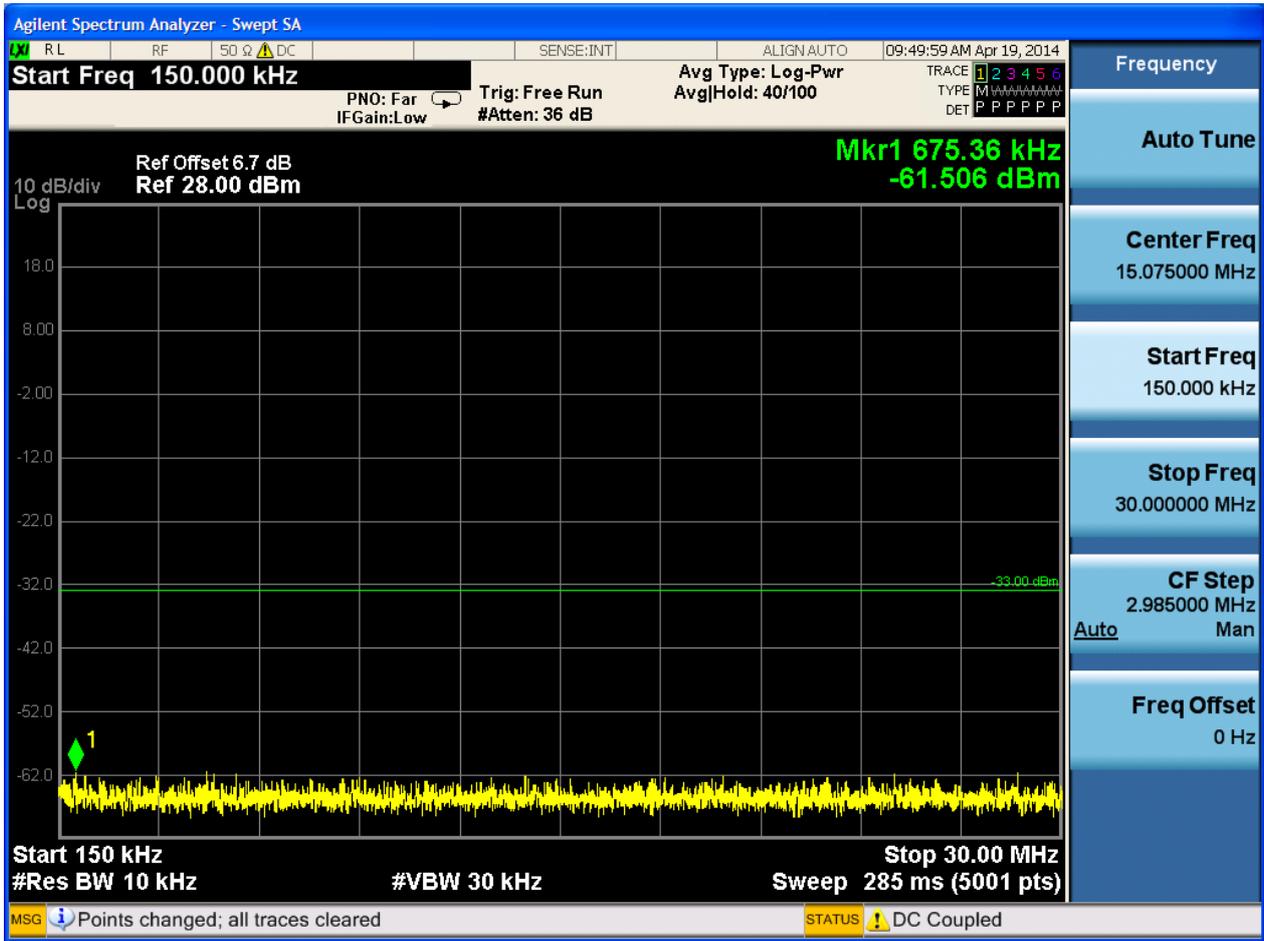


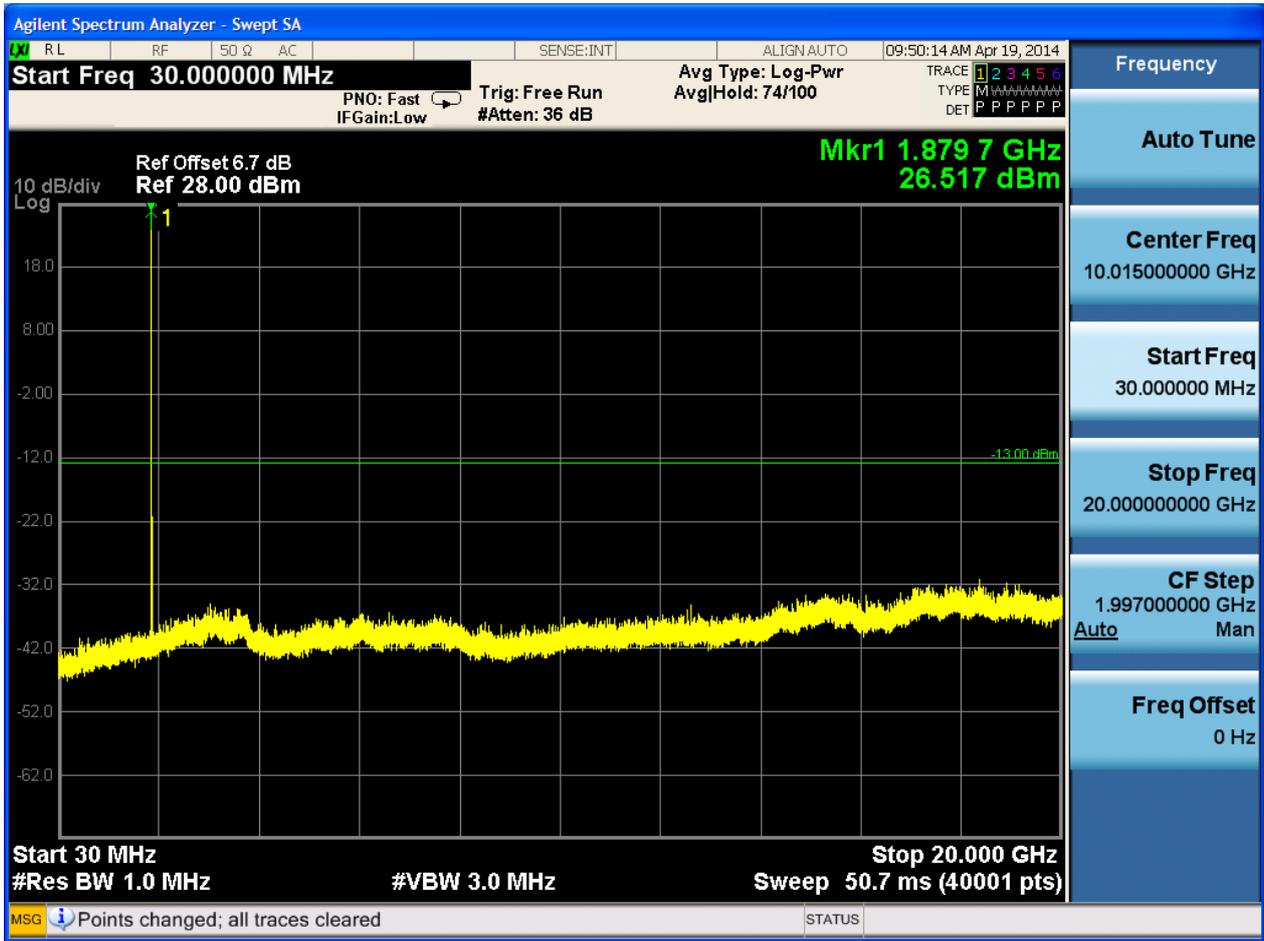




6.1.2.1.2 Test Channel = MCH

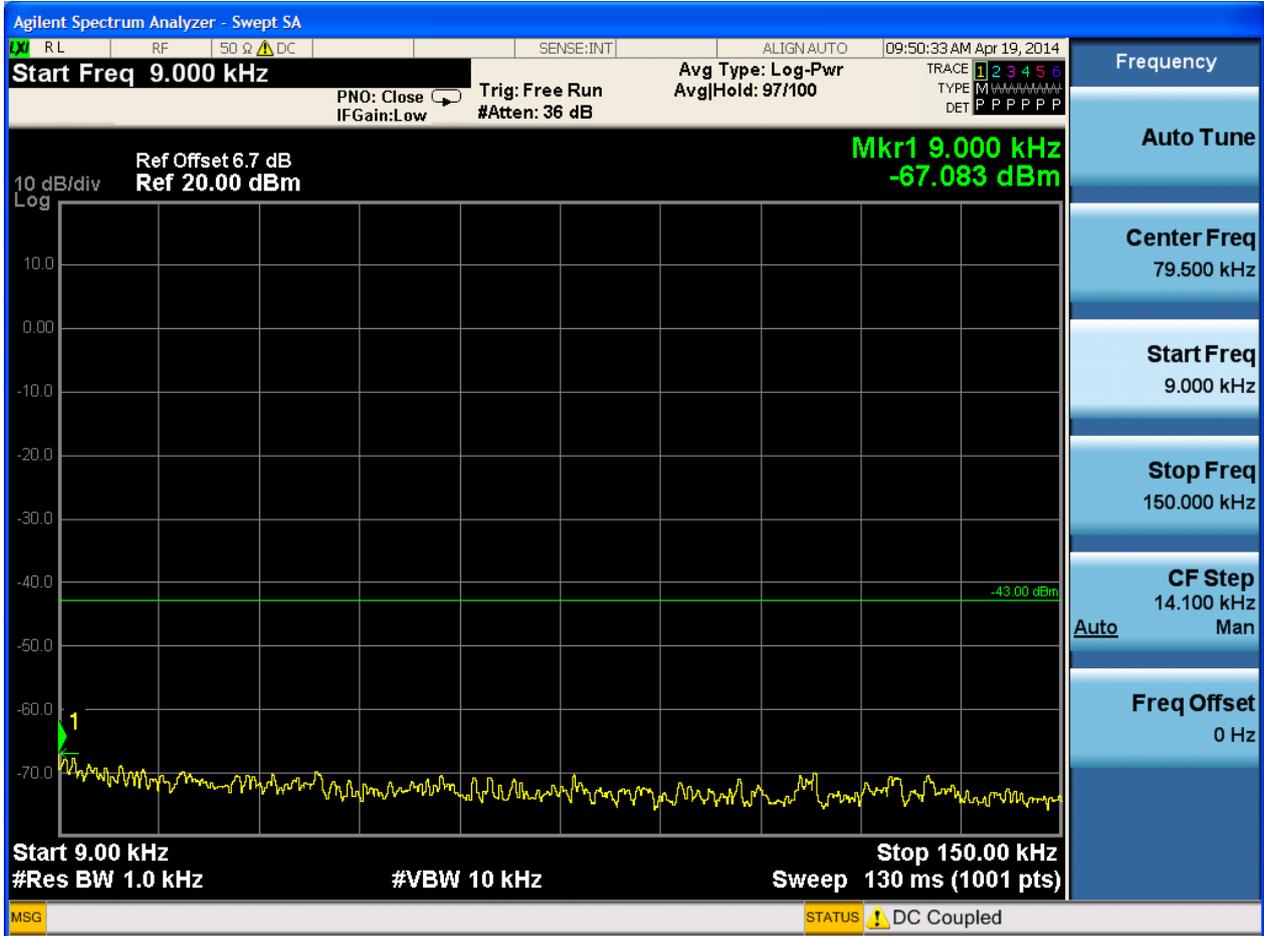


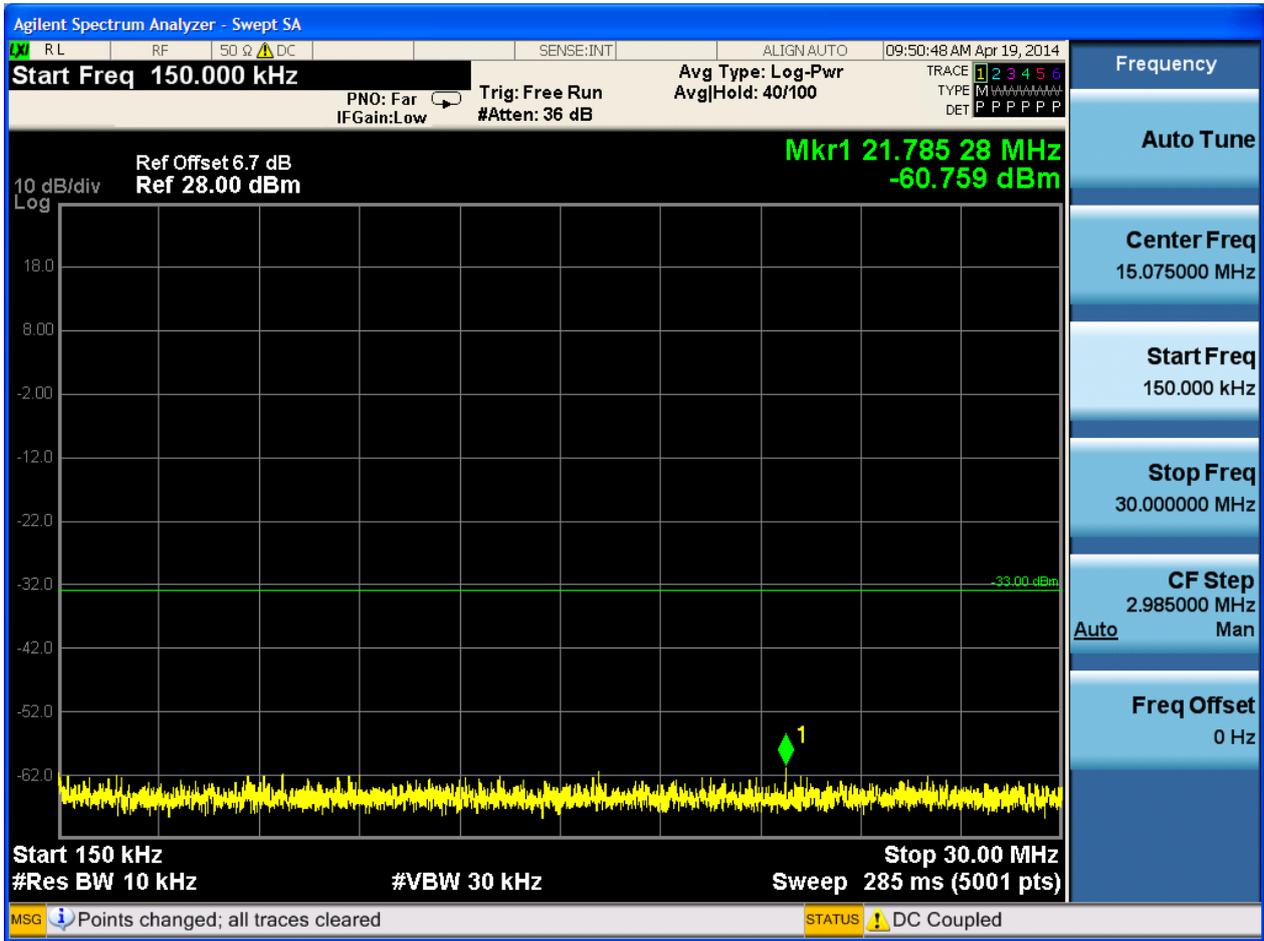


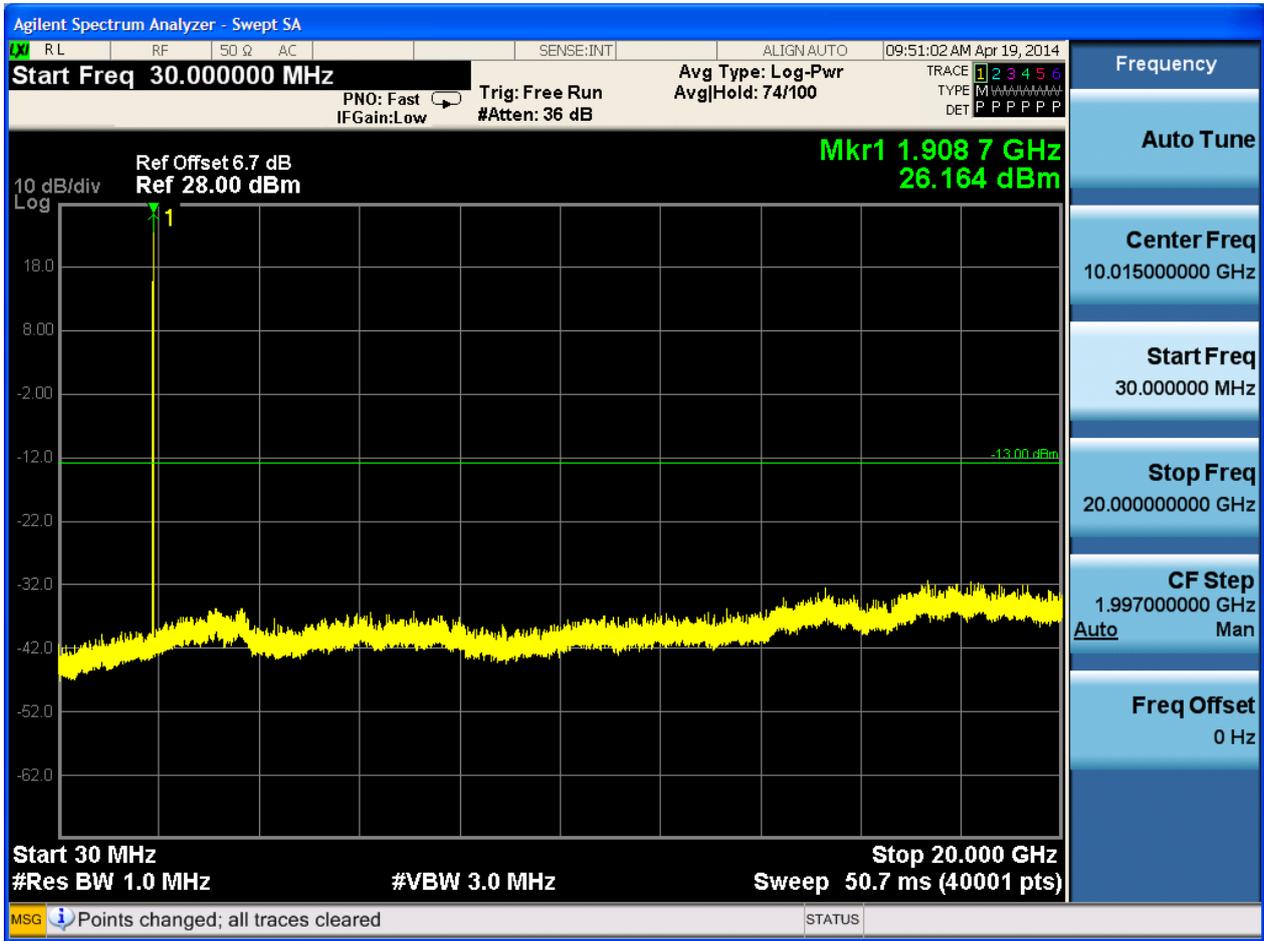


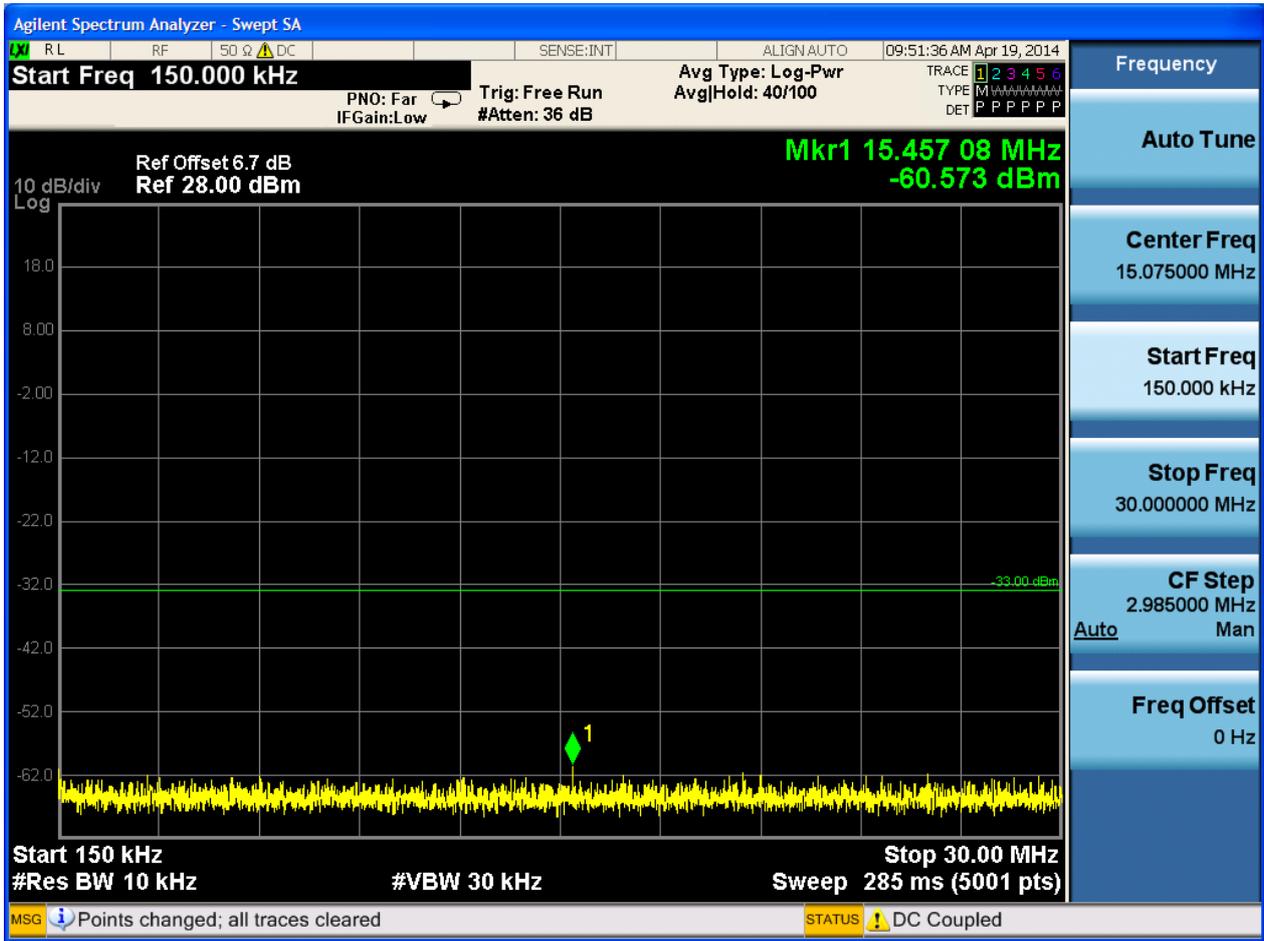


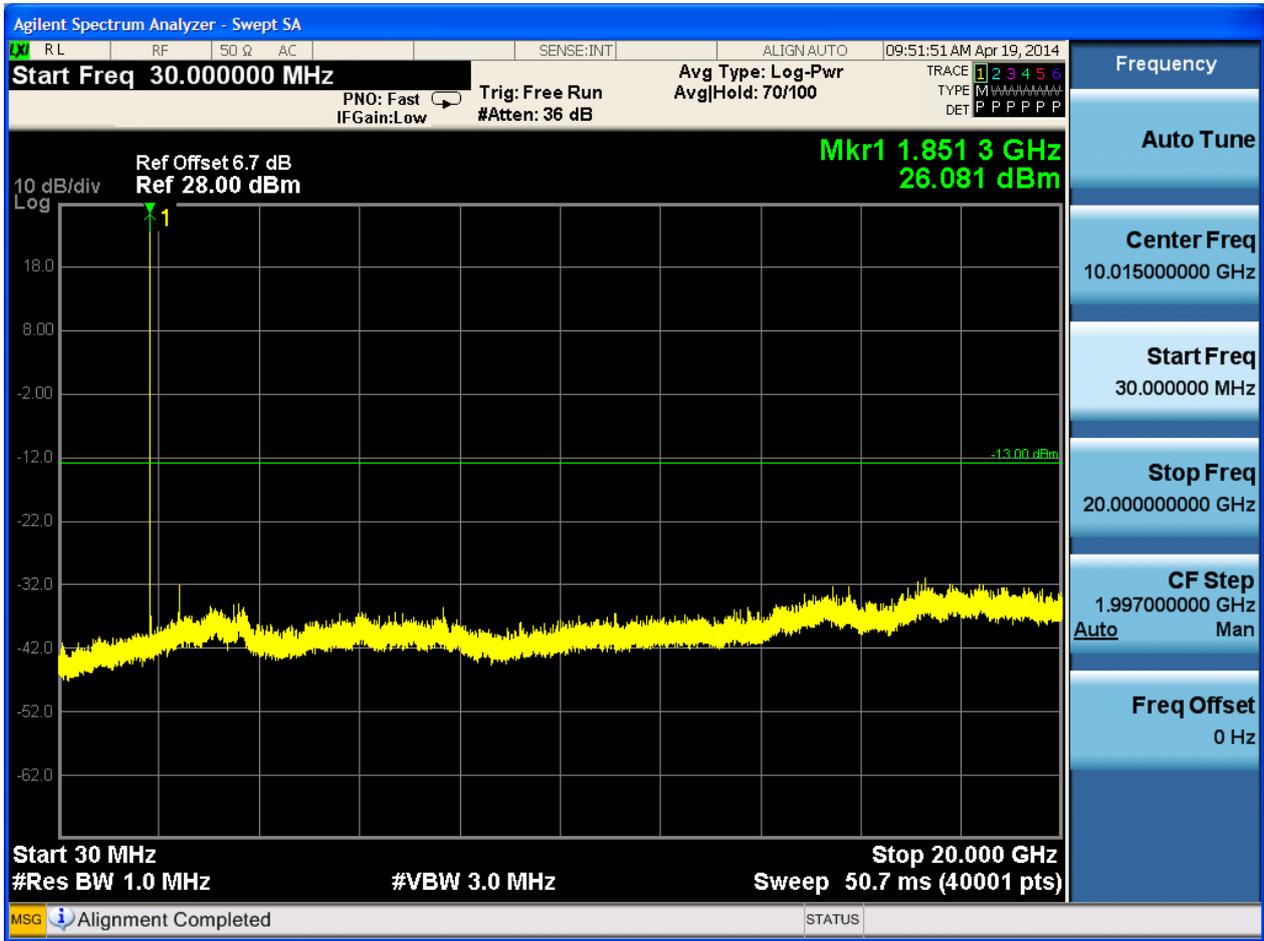
6.1.2.1.3 Test Channel = HCH













6.1.2.2.2 Test Channel = MCH

