Appendix for test report

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1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
BC0	CDMA/1X/TM1	LCH	23.58	20.48	38.5	PASS
		MCH	23.72	20.62	38.5	PASS
		HCH	23.8	20.7	38.5	PASS
	CDMA/1X/TM3	LCH	23.57	20.47	38.5	PASS
		MCH	23.72	20.62	38.5	PASS
		HCH	23.79	20.69	38.5	PASS
BC0	CDMA/EV-DO/Subtype0	LCH	23.55	20.45	38.5	PASS
		MCH	23.6	20.5	38.5	PASS
		HCH	23.94	20.84	38.5	PASS
	CDMA/EV-DO/Subtype2	LCH	23.53	20.43	38.5	PASS
		MCH	23.6	20.5	38.5	PASS
		HCH	23.78	20.68	38.5	PASS

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Test Band	Test Mode	Test Channel	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
BC1	CDMA/1X/TM1	LCH	23.26	21.94	33	PASS
		MCH	23.15	21.83	33	PASS
		HCH	23.13	21.81	33	PASS
	CDMA/1X/TM3	LCH	23.22	21.9	33	PASS
		MCH	23.10	21.78	33	PASS
		HCH	23.09	21.77	33	PASS
BC1	CDMA/EV-DO/Subtype0	LCH	23.24	21.92	33	PASS
		MCH	23.10	21.78	33	PASS
		HCH	23.11	21.79	33	PASS
	CDMA/EV-DO/Subtype2	LCH	23.31	21.99	33	PASS
		MCH	23.16	21.84	33	PASS
		HCH	23.13	21.81	33	PASS

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

Detector: RMS

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2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
BC1	CDMA/1X/TM1	LCH	4.66	13	PASS
		MCH	4.74	13	PASS
		HCH	4.54	13	PASS
	CDMA/1X/TM3	LCH	4.11	13	PASS
		MCH	4.14	13	PASS
		HCH	3.94	13	PASS
BC1	CDMA/EV-DO/Subtype0	LCH	4.18	13	PASS
		MCH	4.38	13	PASS
		HCH	4.37	13	PASS
	CDMA/EV-DO/Subtype2	LCH	5.23	13	PASS
		MCH	5.76	13	PASS
		HCH	6.83	13	PASS

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3Appendix_C: Modulation Characteristics

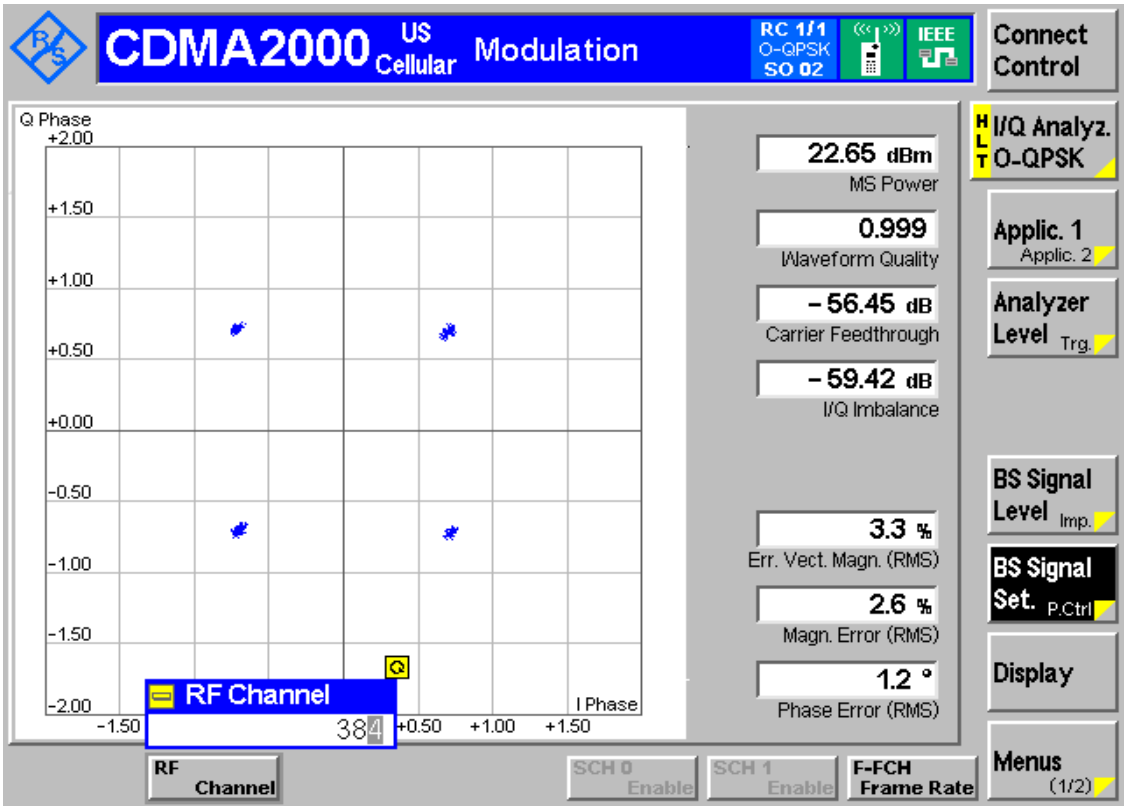
Part I - Test Plots

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



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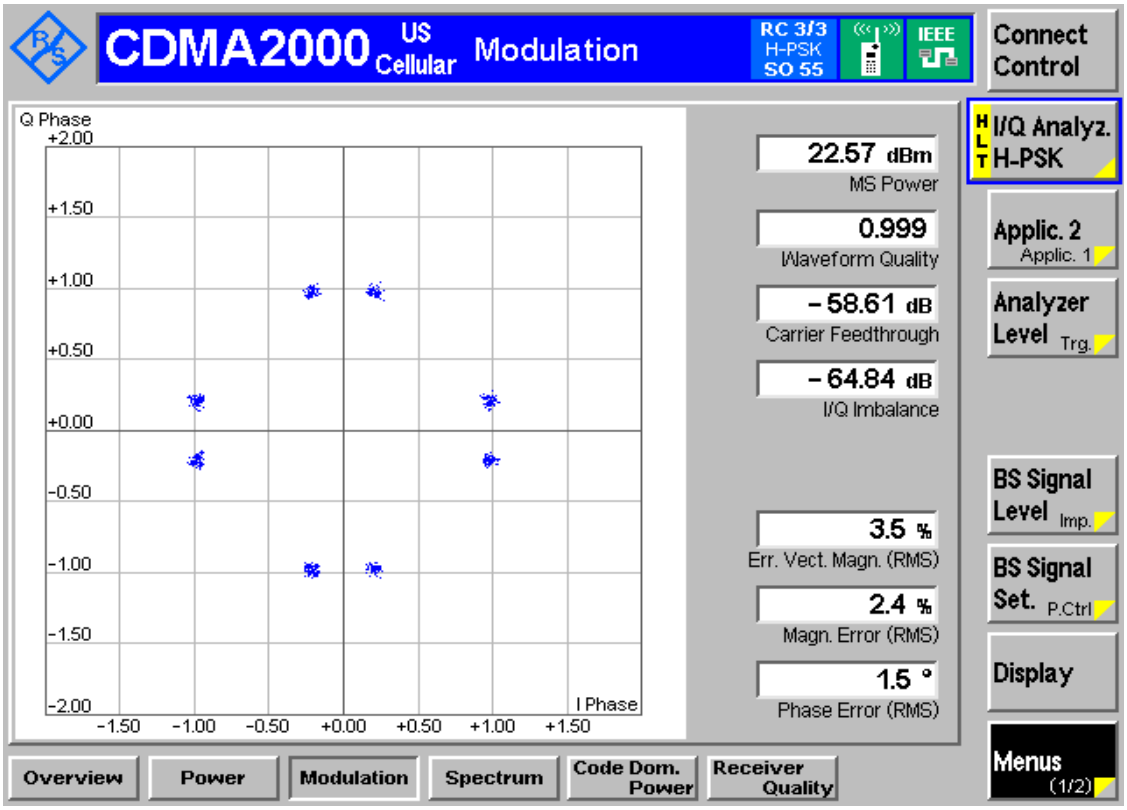
3.1.1.2 Test Mode = CDMA/1X/TM3

3.1.1.2.1 Test Channel = MCH



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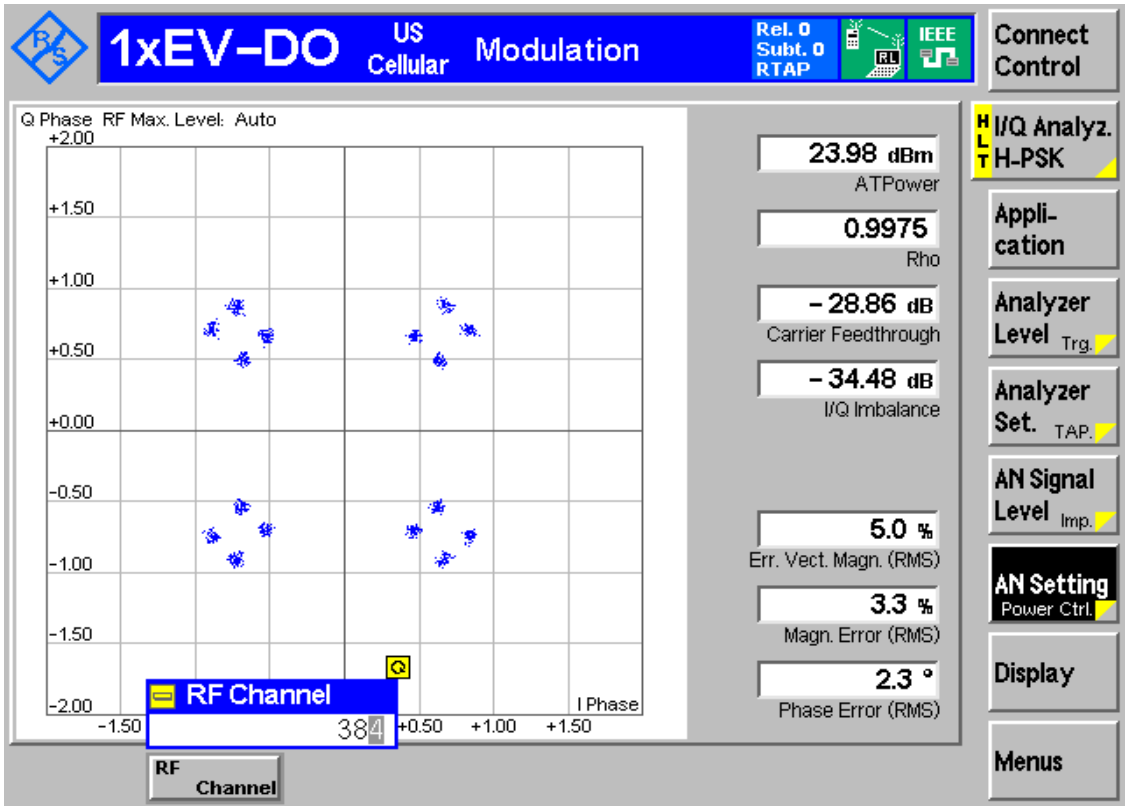
3.1.2 Test Band = BC0

3.1.2.1 Test Mode = CDMA/EV-DO/Subtype0



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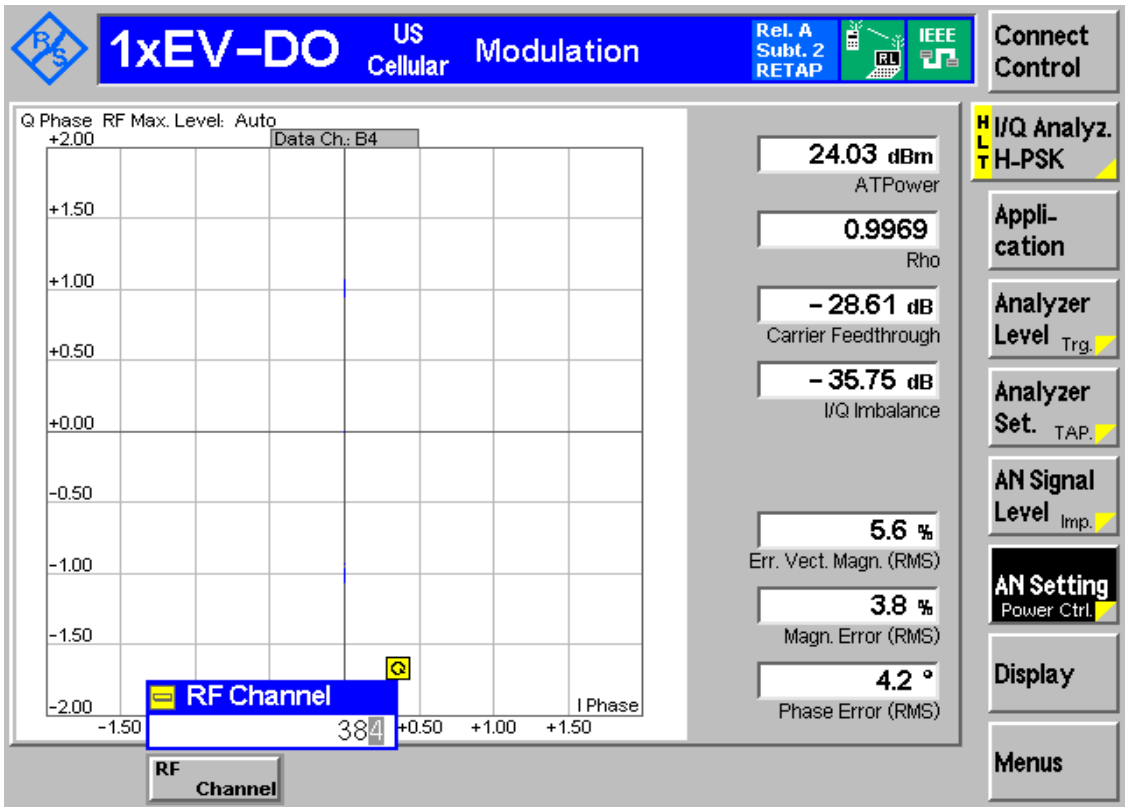
3.1.2.2 Test Mode = CDMA/EV-DO/Subtype2



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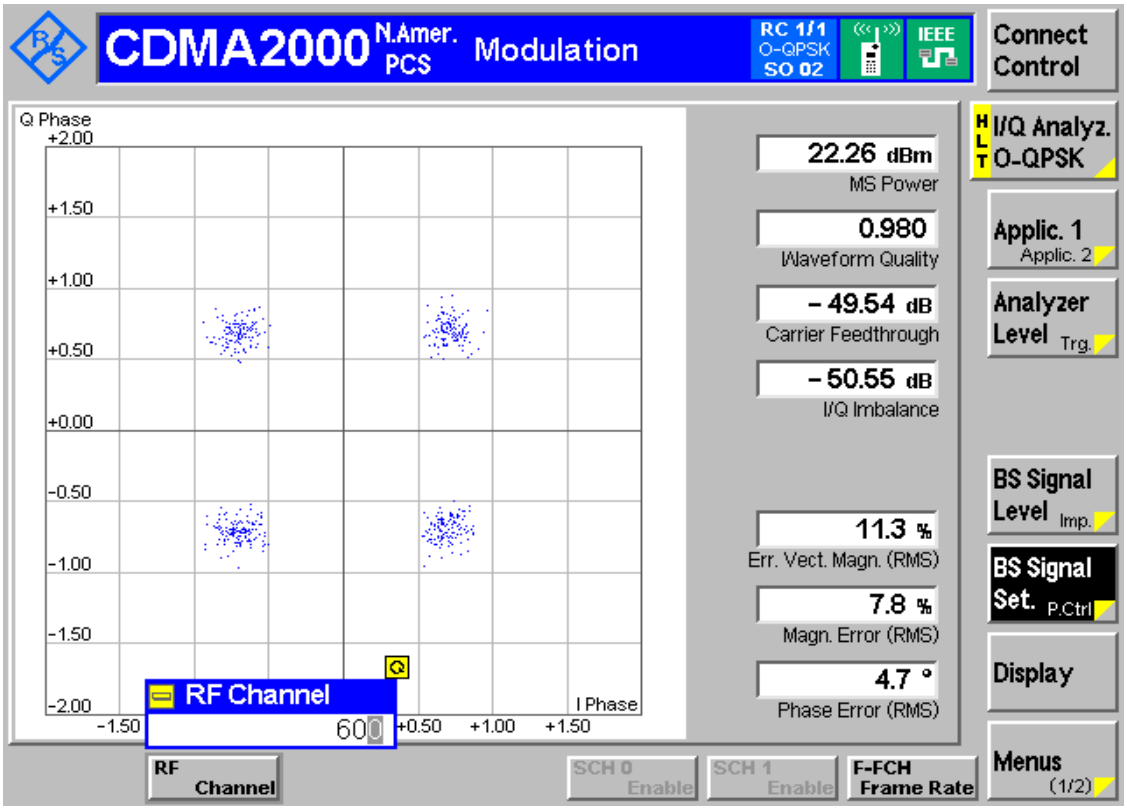
3.1.3 Test Band = BC1

3.1.3.1 Test Mode = CDMA/1X/TM1

3.1.3.1.1 Test Channel = MCH



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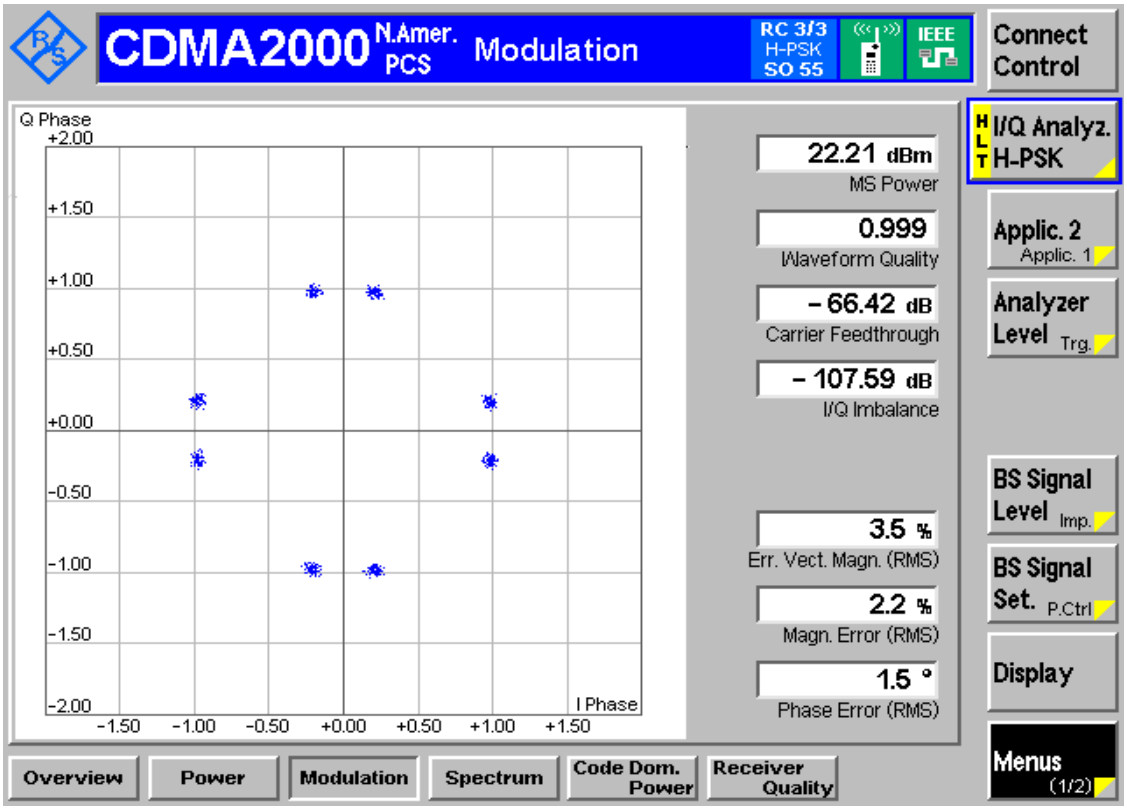
3.1.3.2 Test Mode = CDMA/1X/TM3

3.1.3.2.1 Test Channel = MCH



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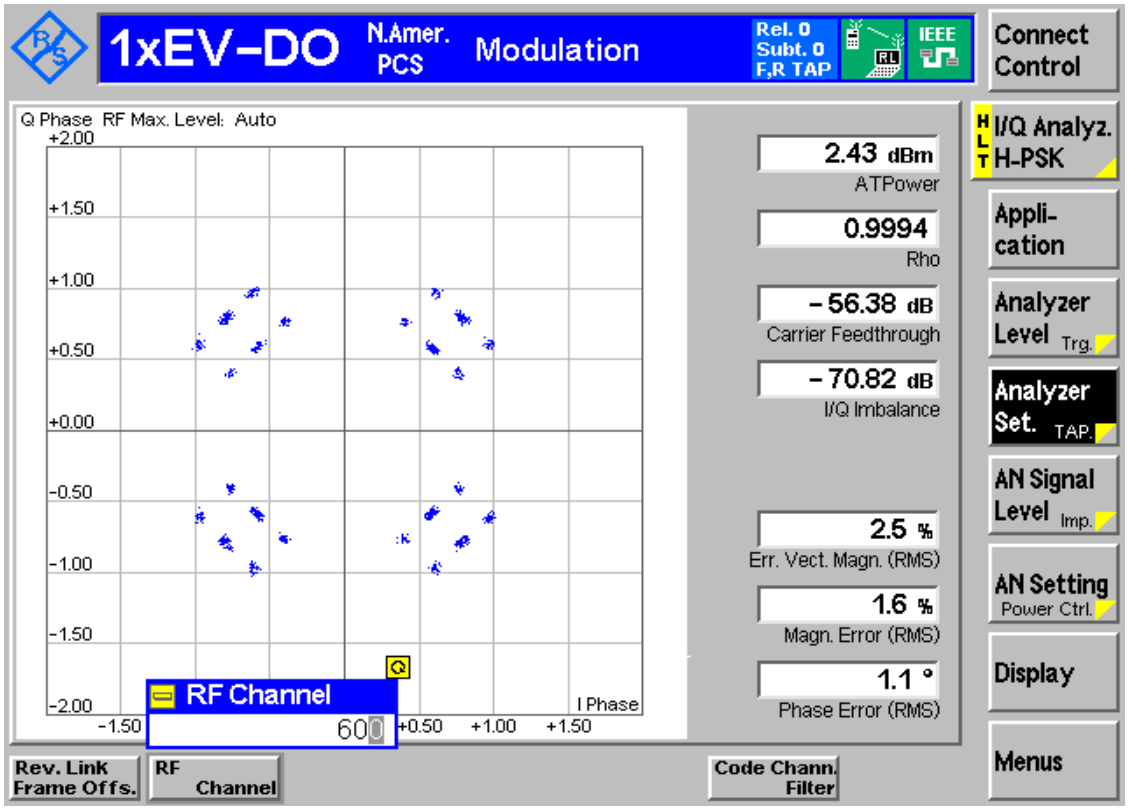
3.1.4 Test Band = BC1

3.1.4.1 Test Mode = CDMA/EV-DO/Subtype0



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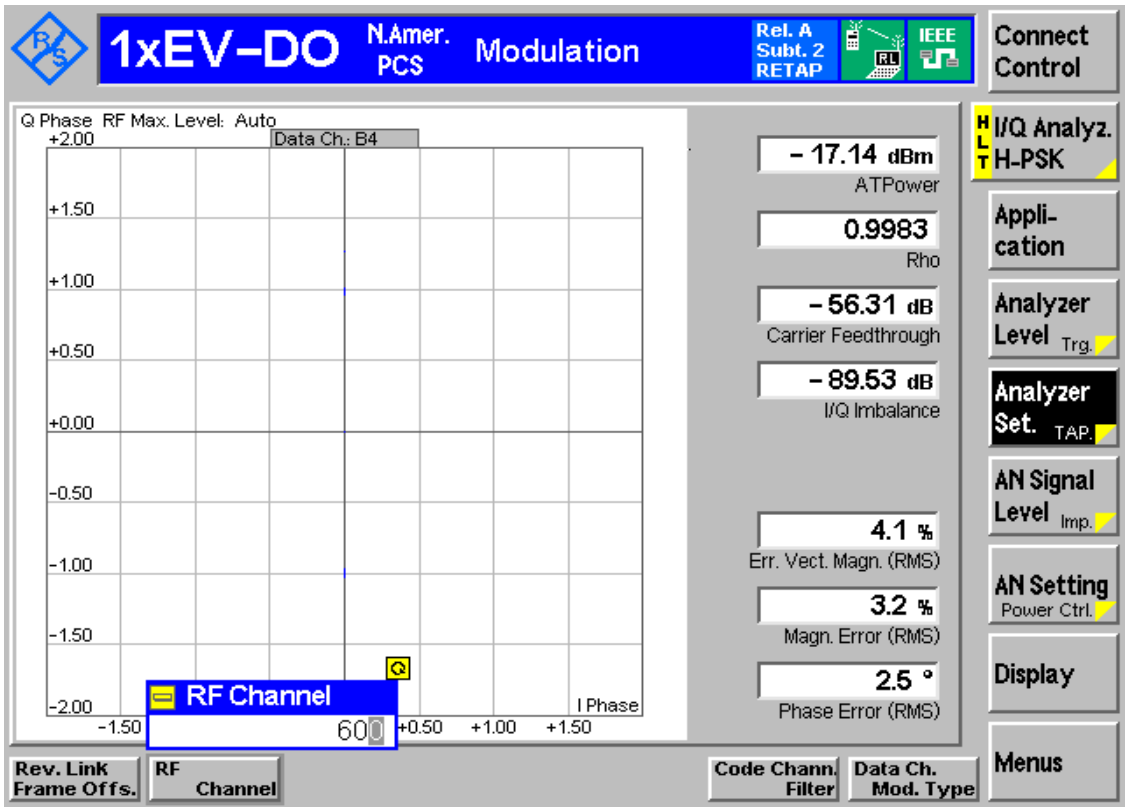
3.1.4.2 Test Mode = CDMA/EV-DO/Subtype2



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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	1.29	1.46	Pass
		HCH	1.30	1.46	Pass
	CDMA/1X/TM3	LCH	1.28	1.46	Pass
		MCH	1.28	1.45	Pass
		HCH	1.28	1.45	Pass
BC1	CDMA/1X/TM1	LCH	1.29	1.46	Pass
		MCH	1.30	1.46	Pass
		HCH	1.30	1.47	Pass
	CDMA/1X/TM3	LCH	1.28	1.45	Pass
		MCH	1.29	1.46	Pass
		HCH	1.29	1.46	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	1.45	Pass
			MCH	1.28	1.46	Pass
			HCH	1.28	1.45	Pass
	CDMA/EV-DO/Subtype2	BPSK(256 bits)	LCH	1.29	1.46	Pass
			MCH	1.28	1.45	Pass
			HCH	1.28	1.46	Pass
		QPSK(4096 bits)	LCH	1.28	1.45	Pass
			MCH	1.28	1.46	Pass
			HCH	1.28	1.45	Pass
		8-PSK(12288 bits)	LCH	1.29	1.46	Pass
			MCH	1.28	1.45	Pass
			HCH	1.28	1.45	Pass

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Test Band	Test Mode	Test Modulation(R-Data)	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BC1	CDMA/EV-DO/Subtype0	HPSK	LCH	1.28	1.45	Pass
			MCH	1.28	1.46	Pass
			HCH	1.29	1.46	Pass
	CDMA/EV-DO/Subtype2	BPSK(256 bits)	LCH	1.29	1.46	Pass
			MCH	1.28	1.46	Pass
			HCH	1.29	1.47	Pass
		QPSK(4096 bits)	LCH	1.29	1.46	Pass
			MCH	1.28	1.46	Pass
			HCH	1.28	1.46	Pass
		8-PSK(12288 bits)	LCH	1.29	1.46	Pass
			MCH	1.28	1.46	Pass
			HCH	1.29	1.47	Pass

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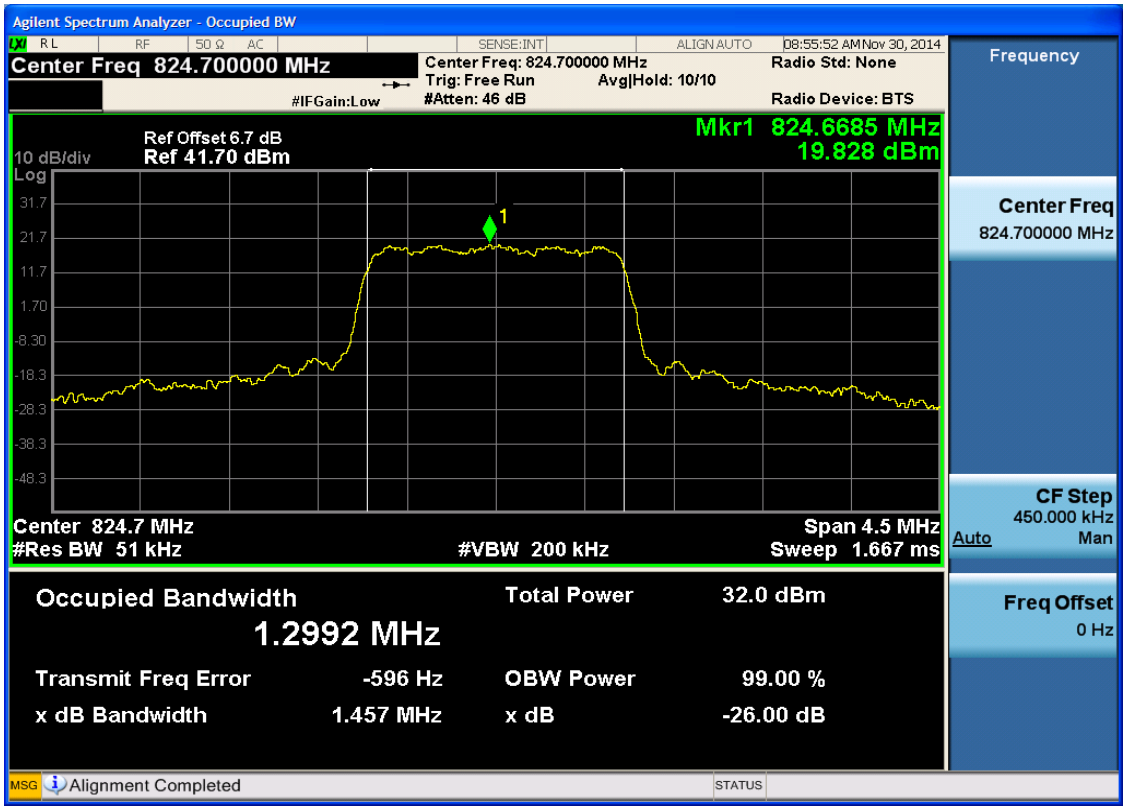
Part II - Test Plots

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



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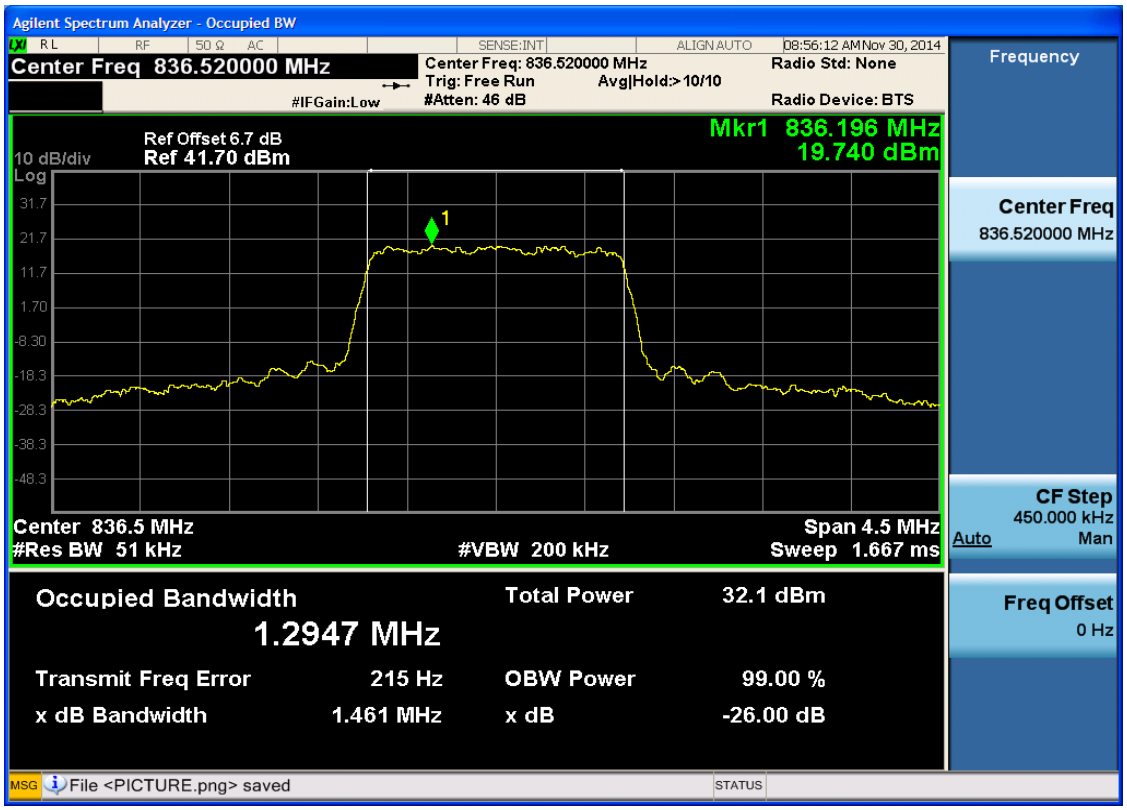
4.1.1.1.2 Test Channel = MCH



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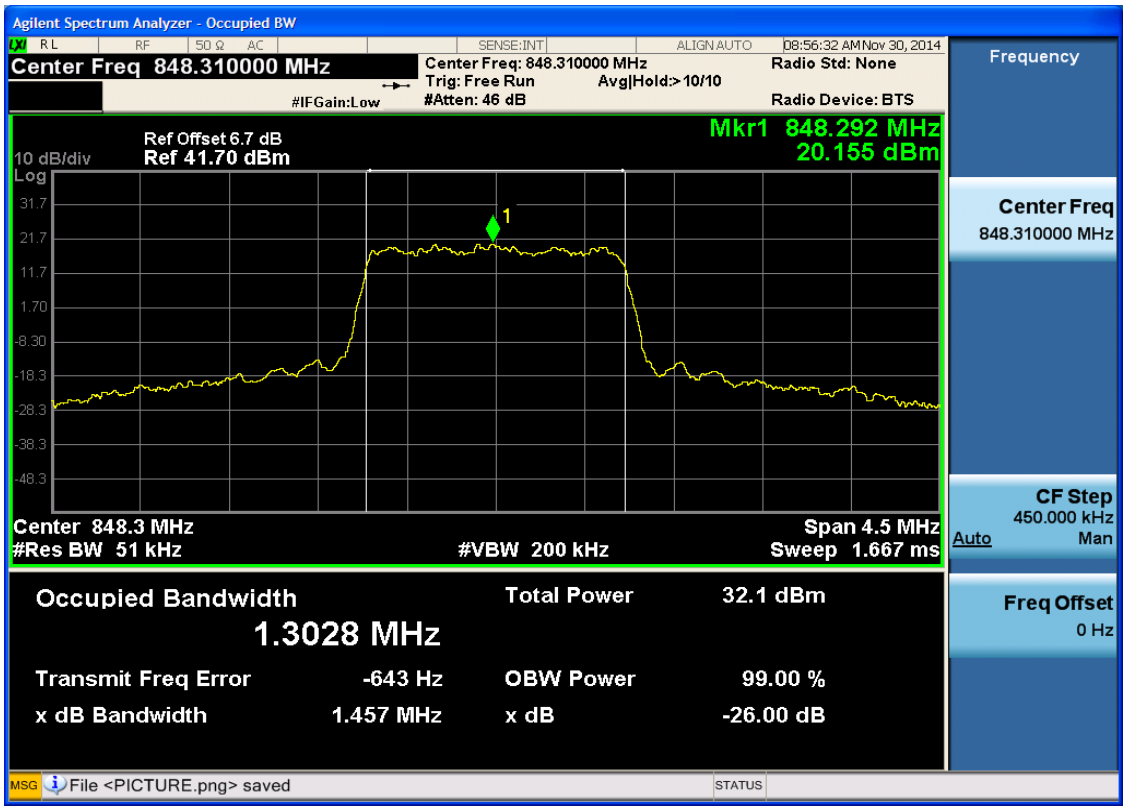
4.1.1.1.3 Test Channel = HCH



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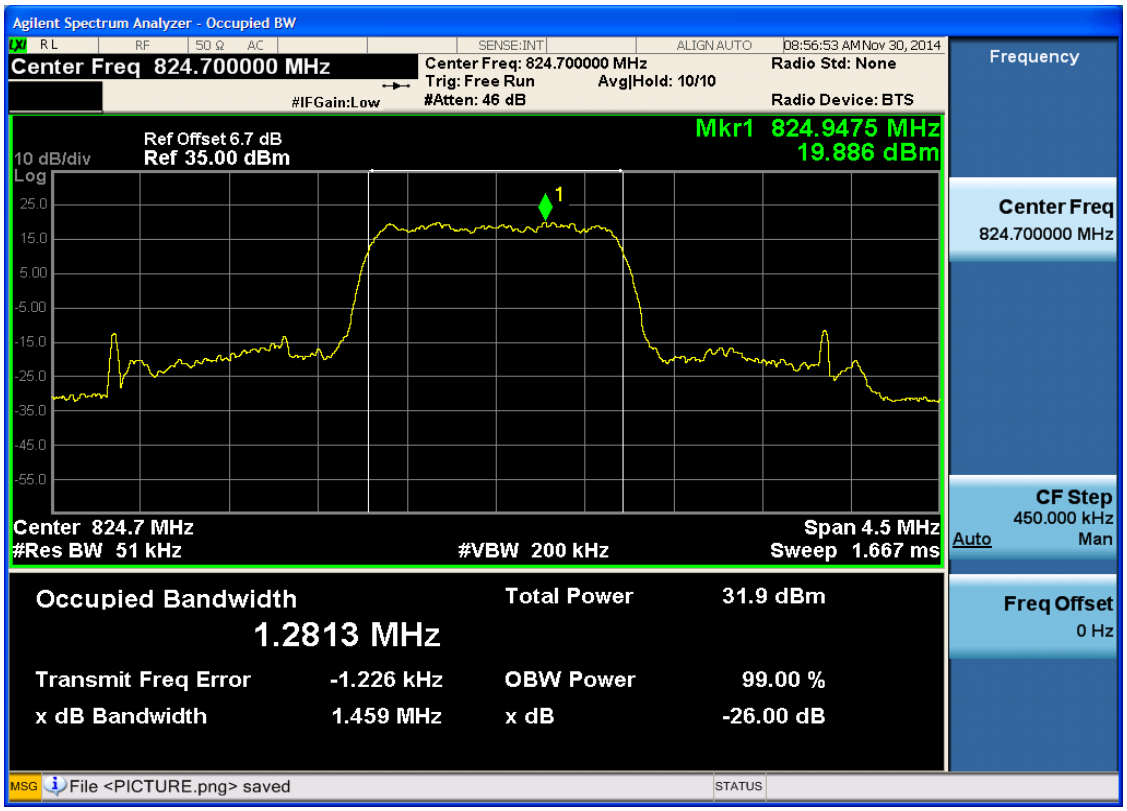
4.1.1.2 Test Mode = CDMA/1X/TM3

4.1.1.2.1 Test Channel = LCH



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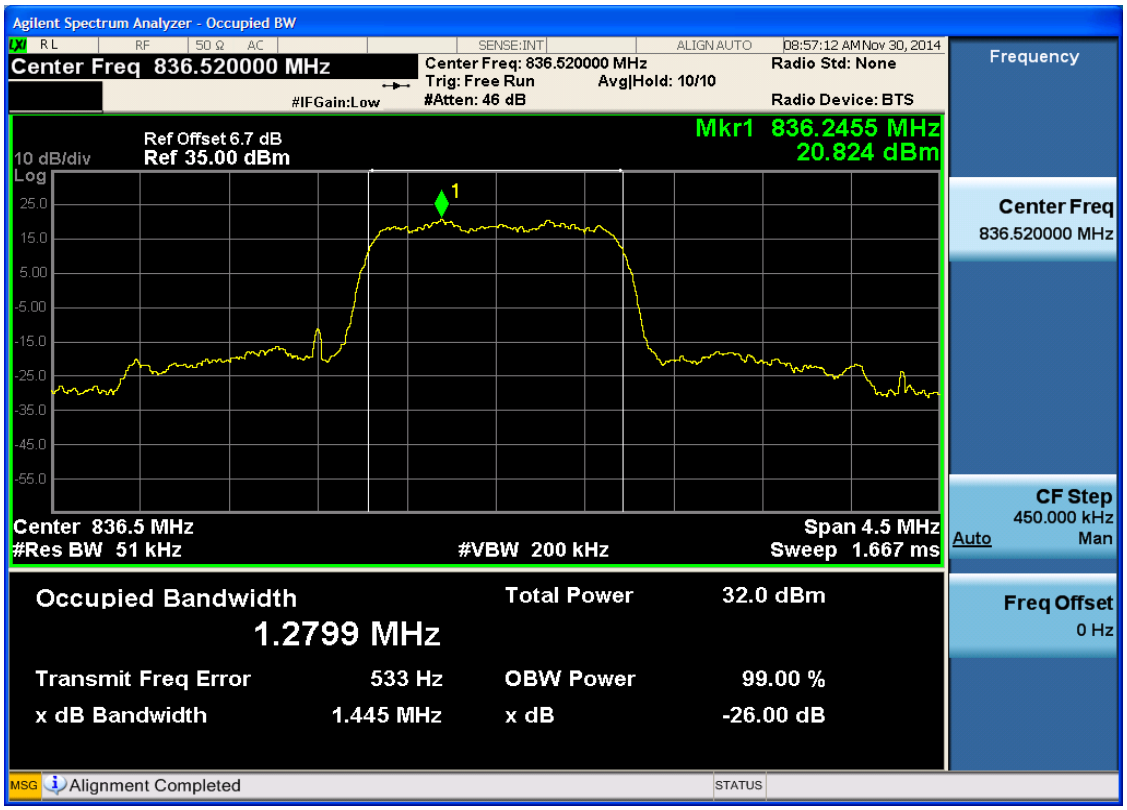
4.1.1.2.2 Test Channel = MCH



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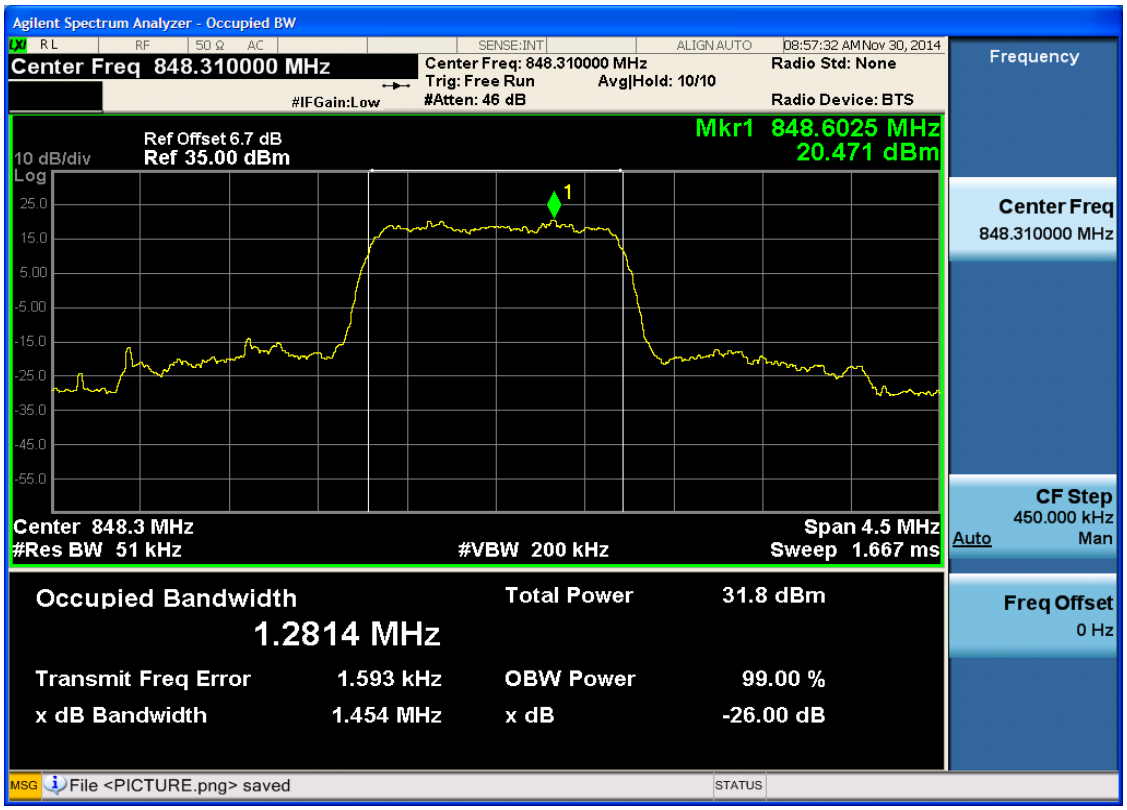
4.1.1.2.3 Test Channel = HCH



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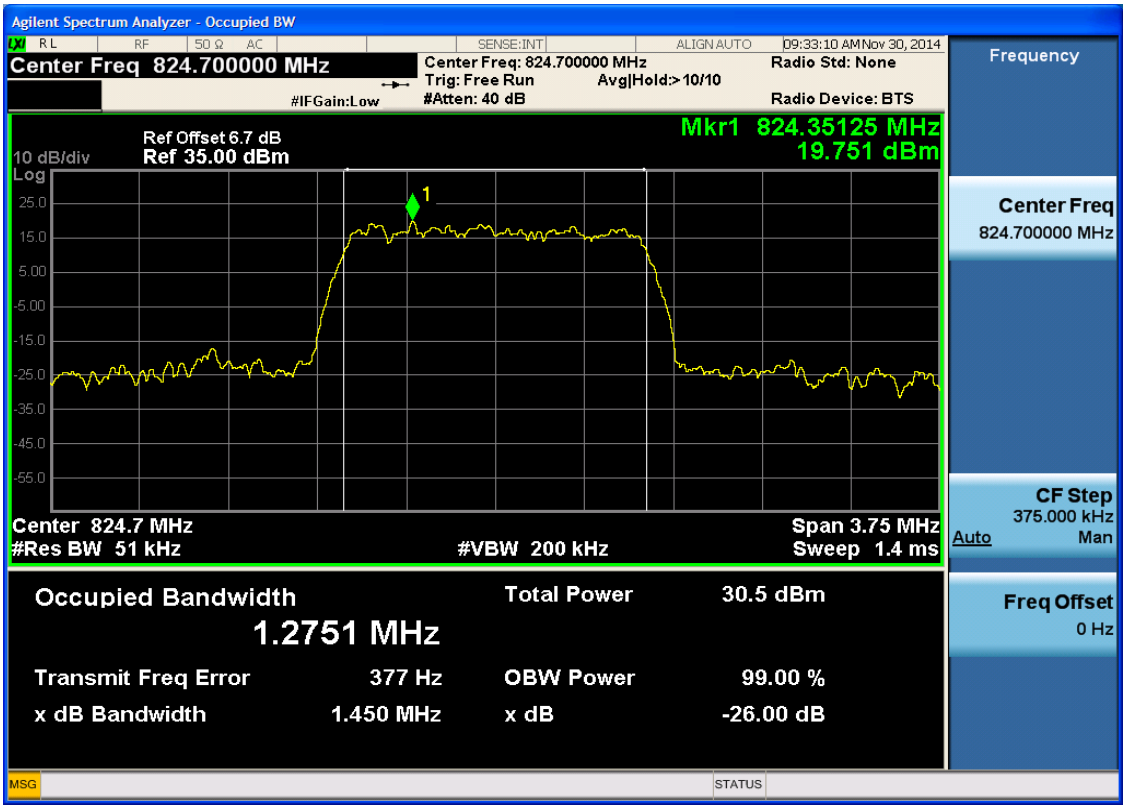
4.1.2 Test Band = BC0

4.1.2.1 Test Mode = CDMA/EV-DO/Subtype0

4.1.2.1.1 Test Modulation = HPSK

4.1.2.1.1.1 Test Channel = LCH



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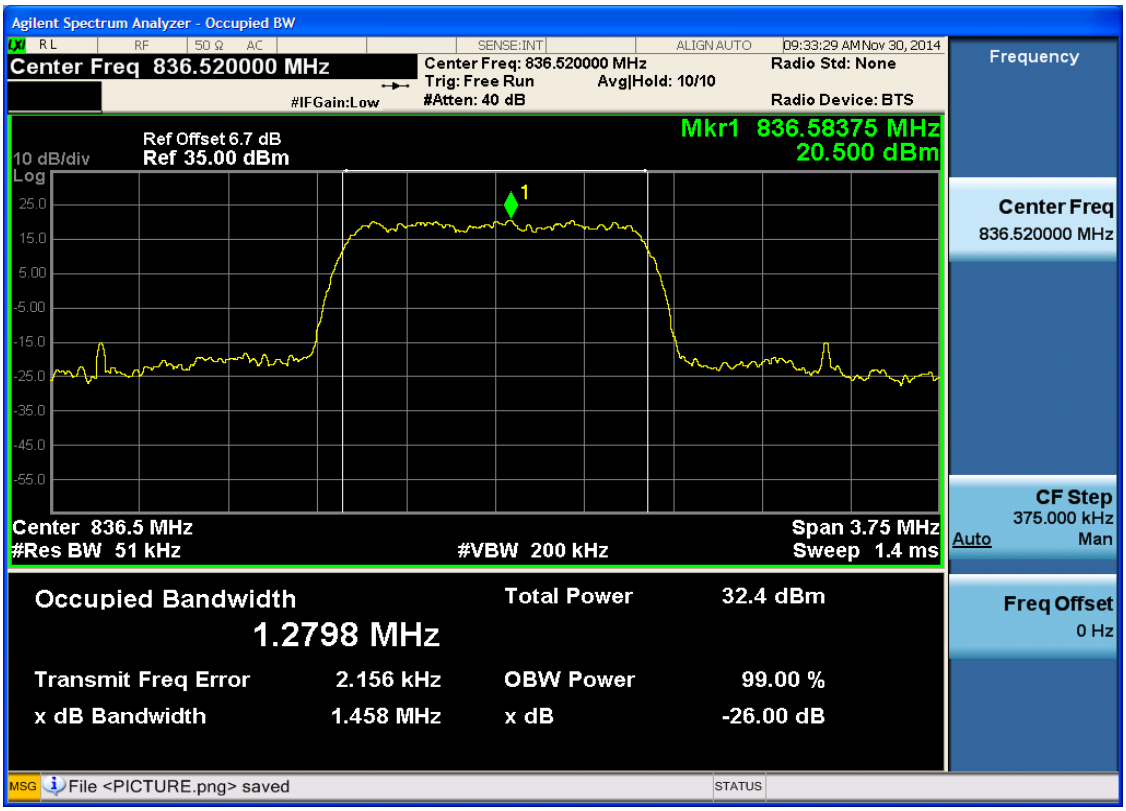
4.1.2.1.1.2 Test Channel = MCH



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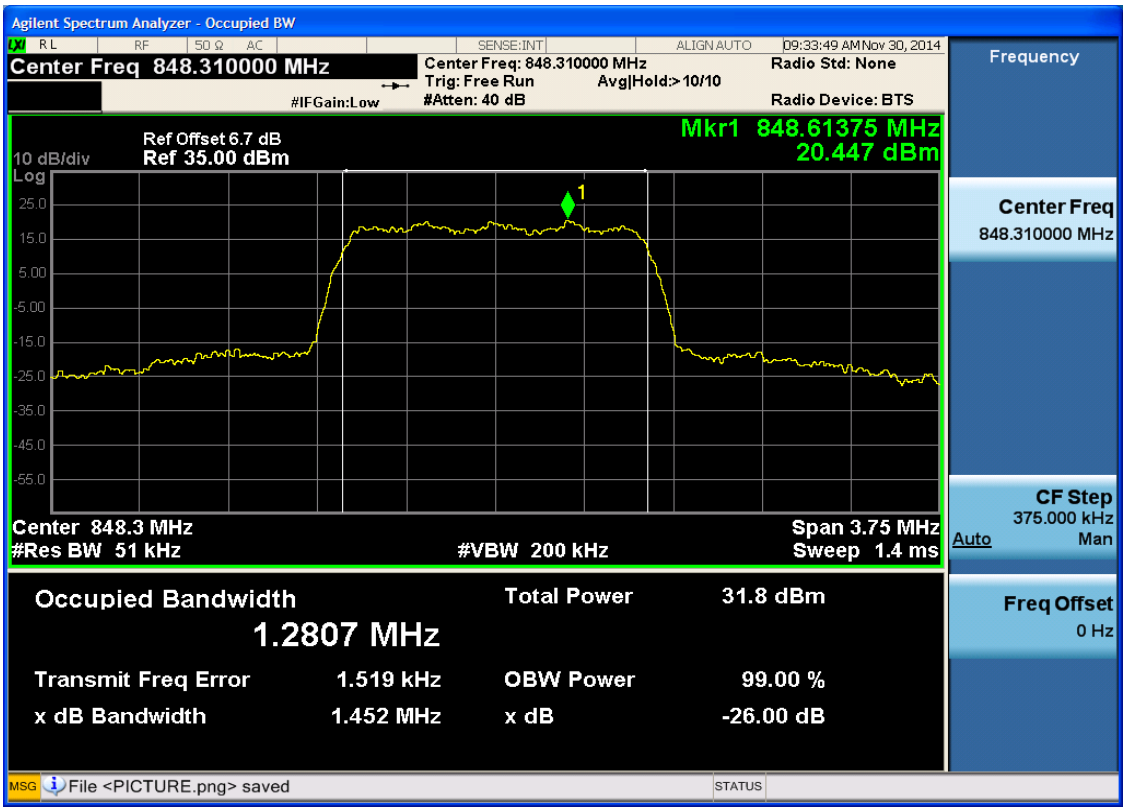
4.1.2.1.1.3 Test Channel = HCH



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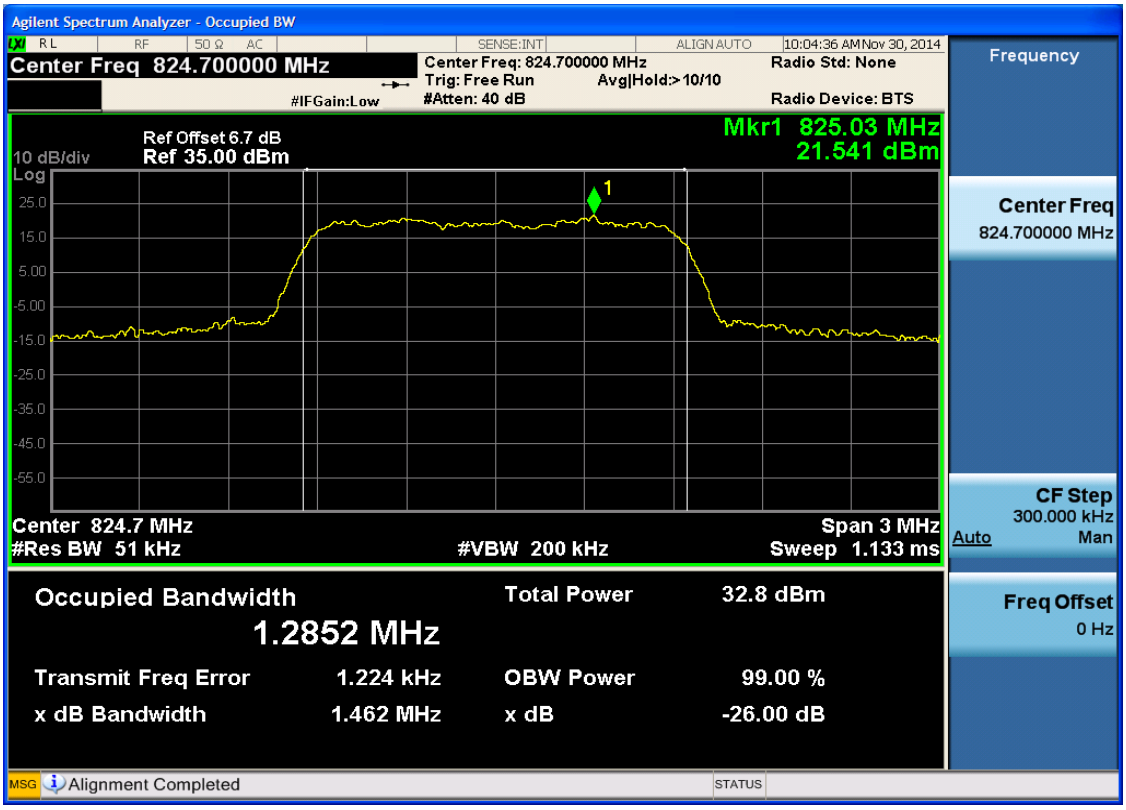
4.1.2.2 Test Mode = CDMA/EV-DO/Subtype2

4.1.2.2.1Test Modulation = BPSK (256 bits)

4.1.2.2.1.1 Test Channel = LCH



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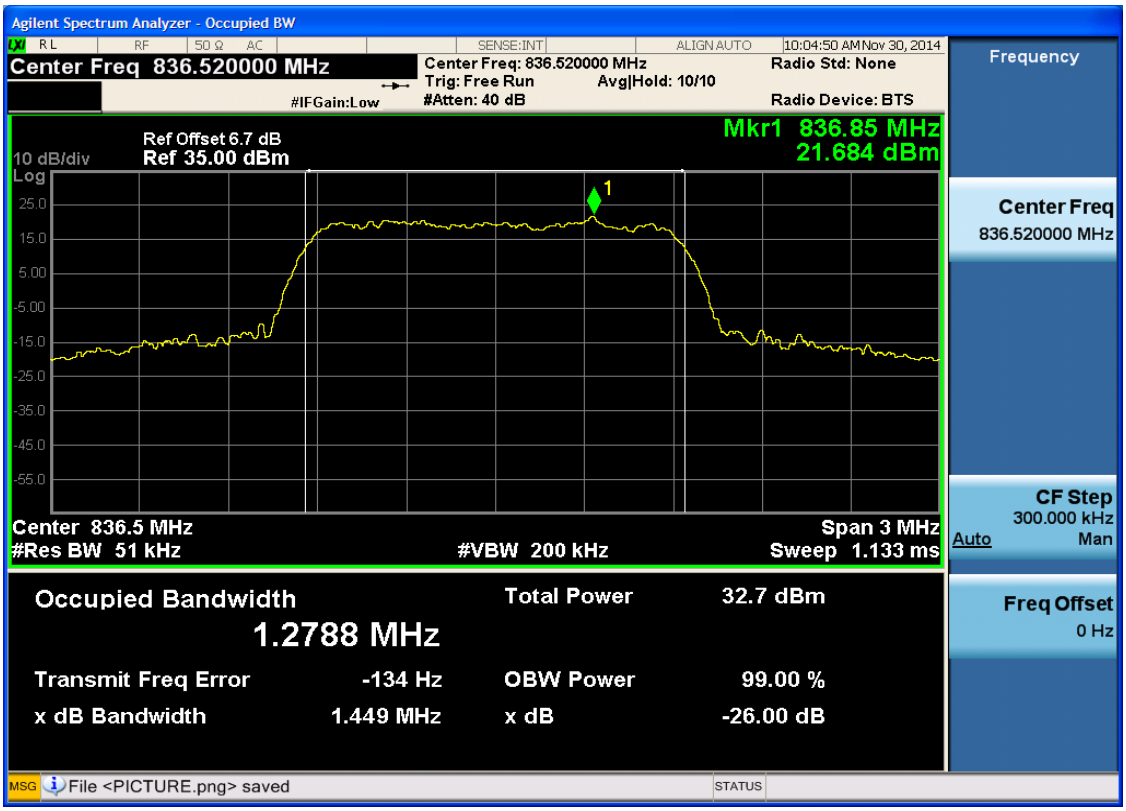
4.1.2.2.1.2 Test Channel = MCH



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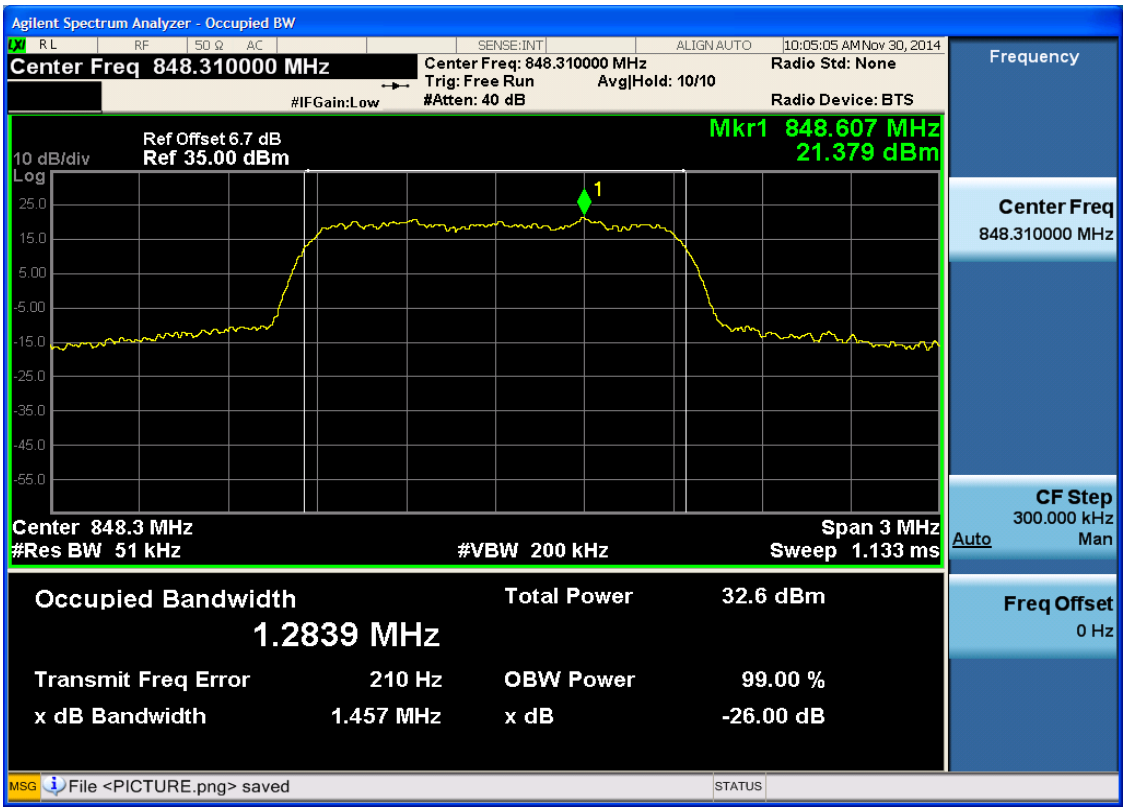
4.1.2.2.1.3 Test Channel = HCH



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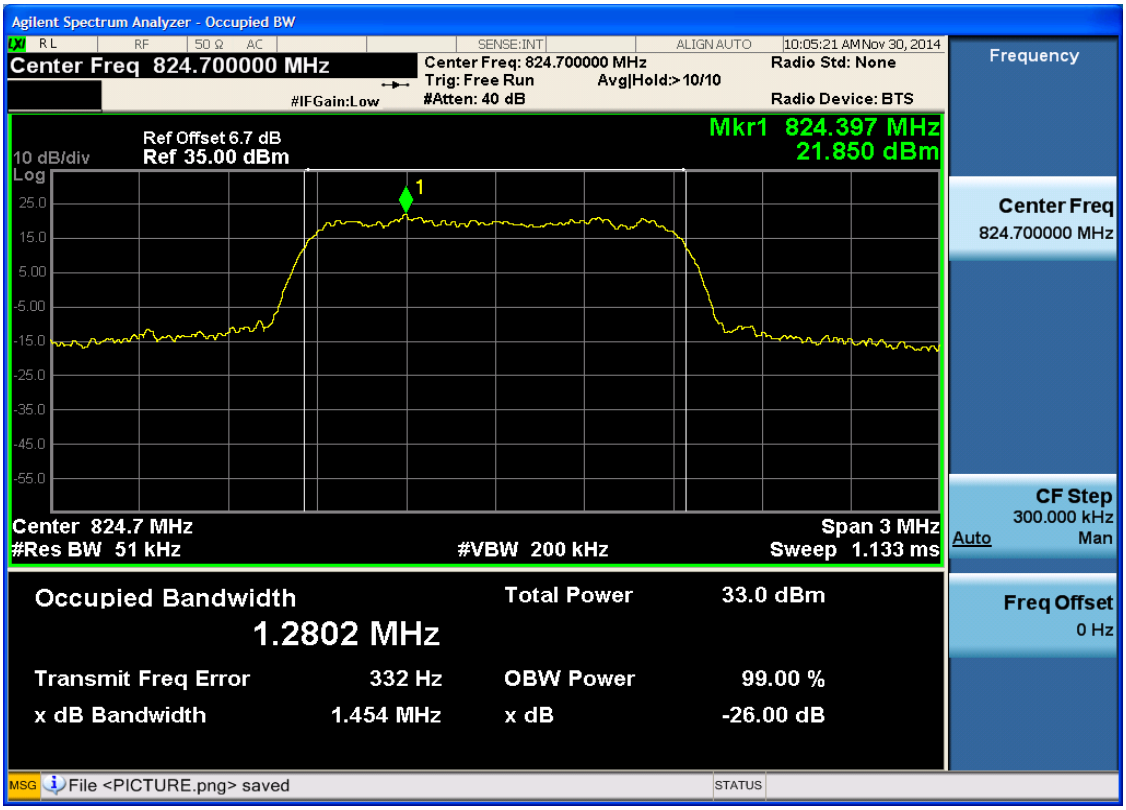
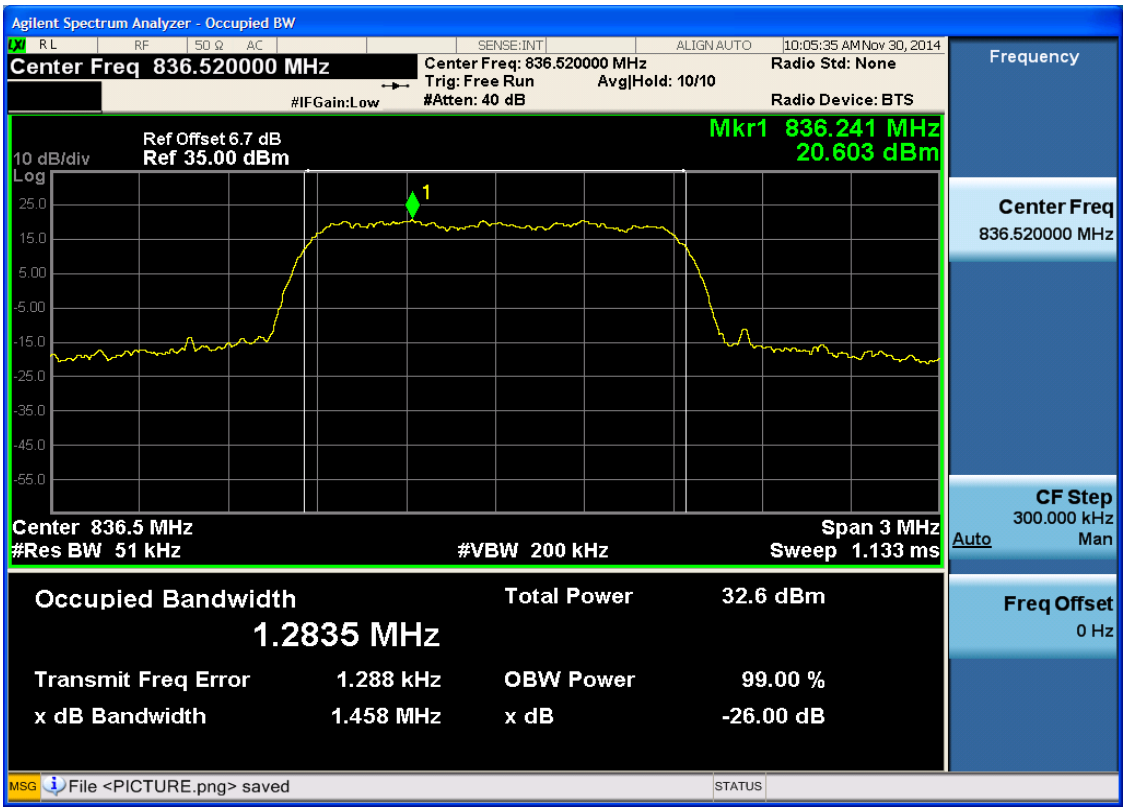
4.1.2.2.2Test Modulation = QPSK (4096 bits)

4.1.2.2.2.1 Test Channel = LCH



4.1.2.2.2.2 Test Channel = MCH



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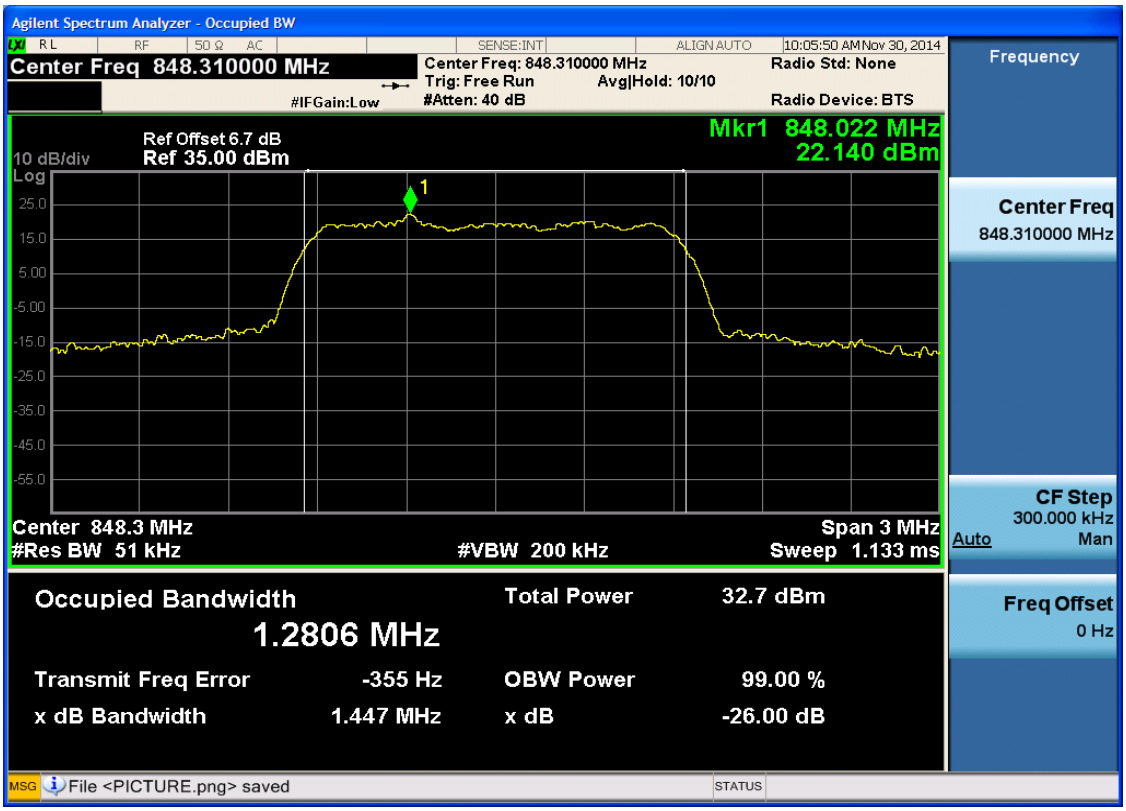
4.1.2.2.2.3 Test Channel = HCH



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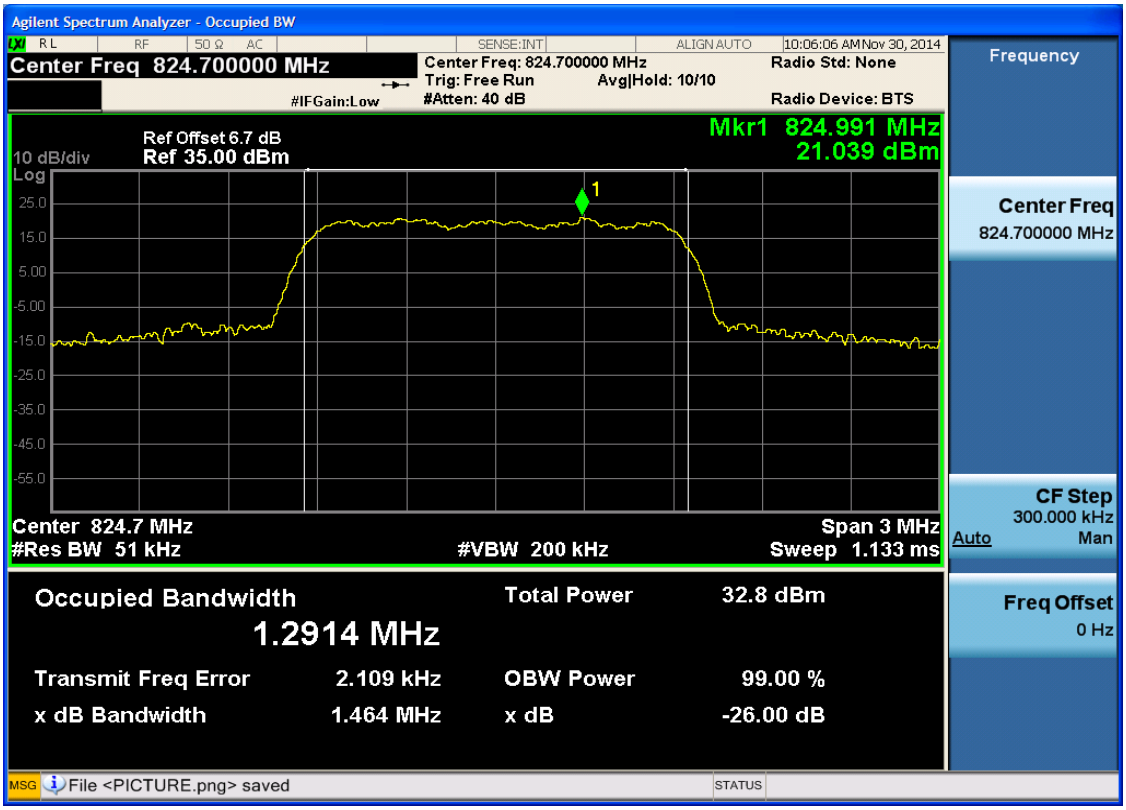
4.1.2.2.3Test Modulation = 8-PSK (12288 bits)

4.1.2.2.3.1 Test Channel = LCH



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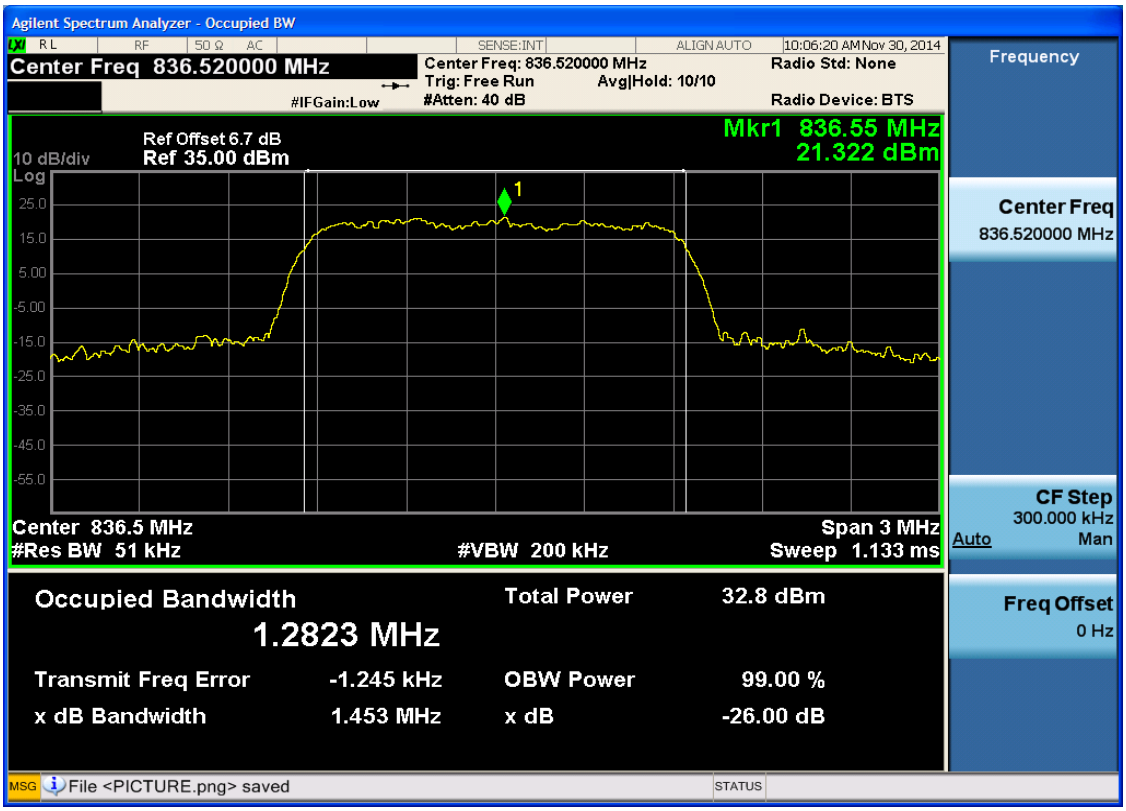
4.1.2.2.3.2 Test Channel = MCH



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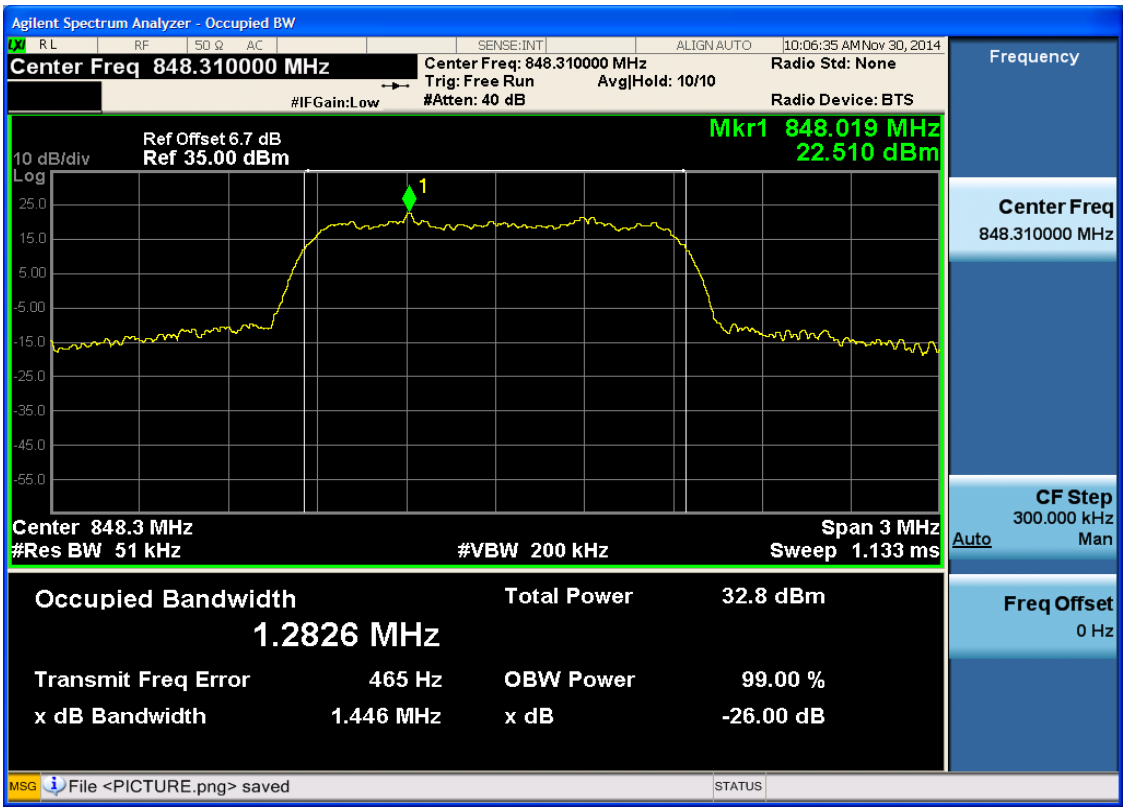
4.1.2.2.3.3 Test Channel = HCH



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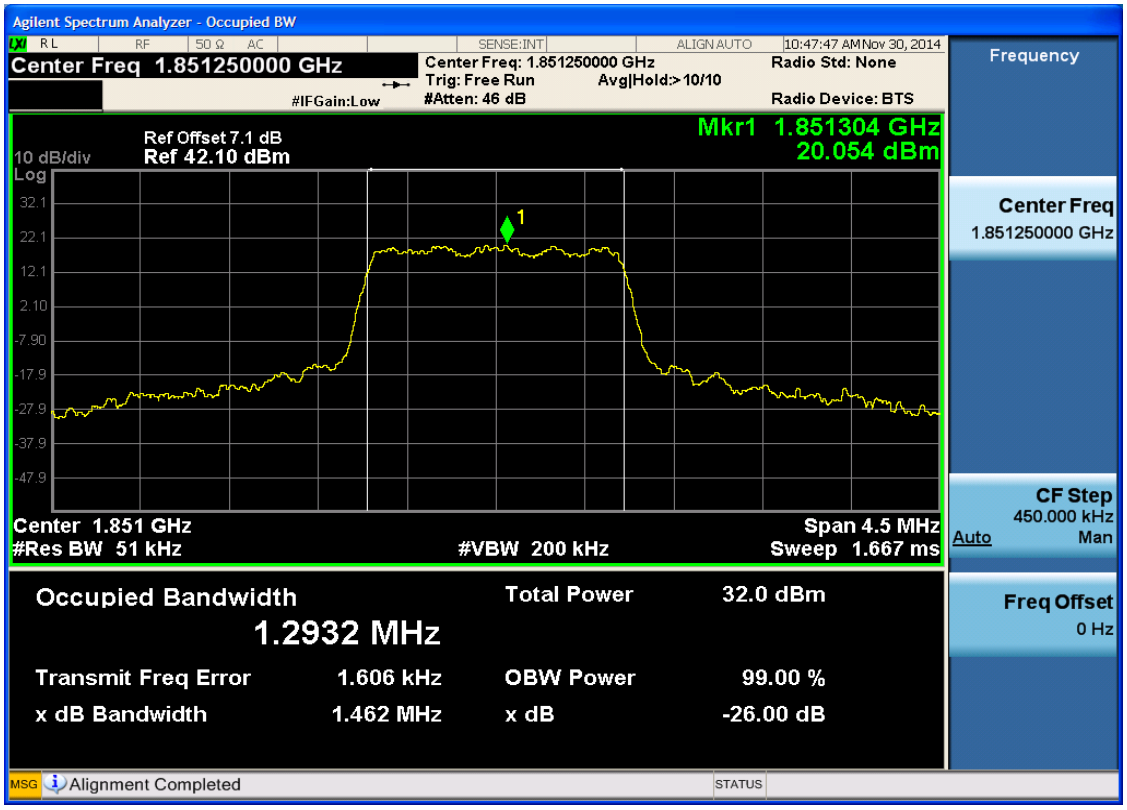
4.1.3 Test Band = BC1

4.1.3.1 Test Mode = CDMA/1X/TM1

4.1.3.1.1 Test Channel = LCH



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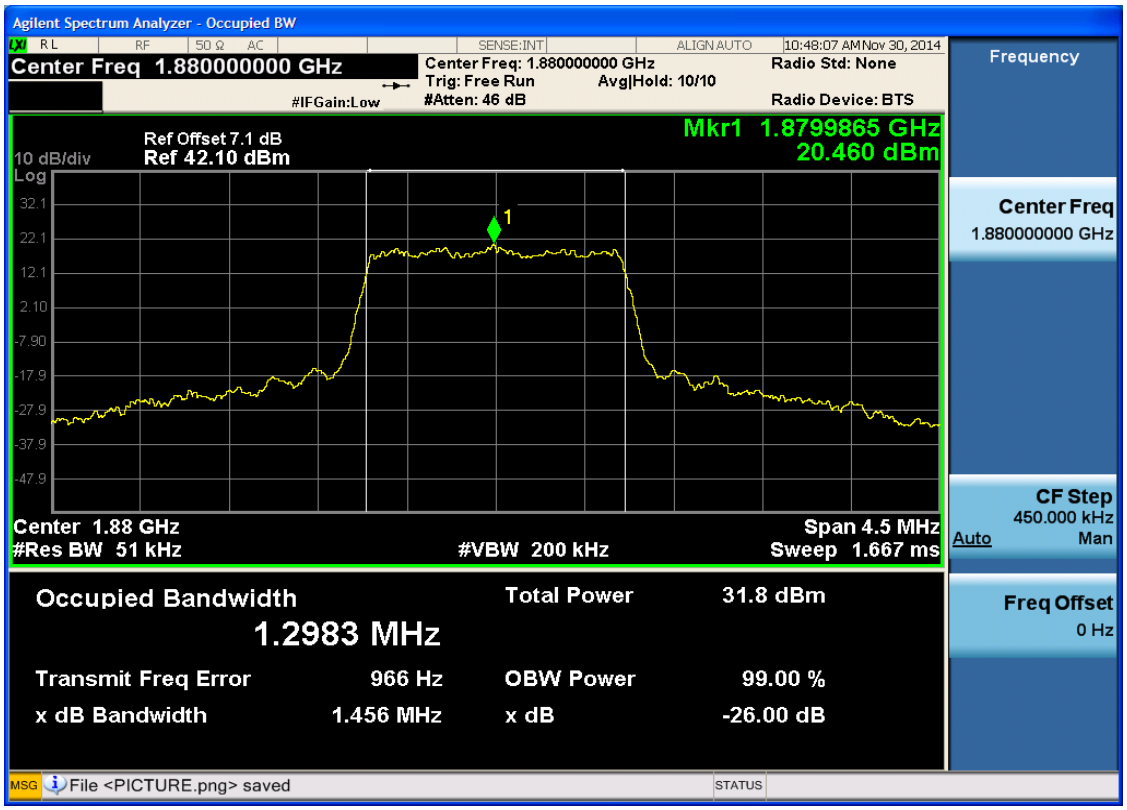
4.1.3.1.2 Test Channel = MCH



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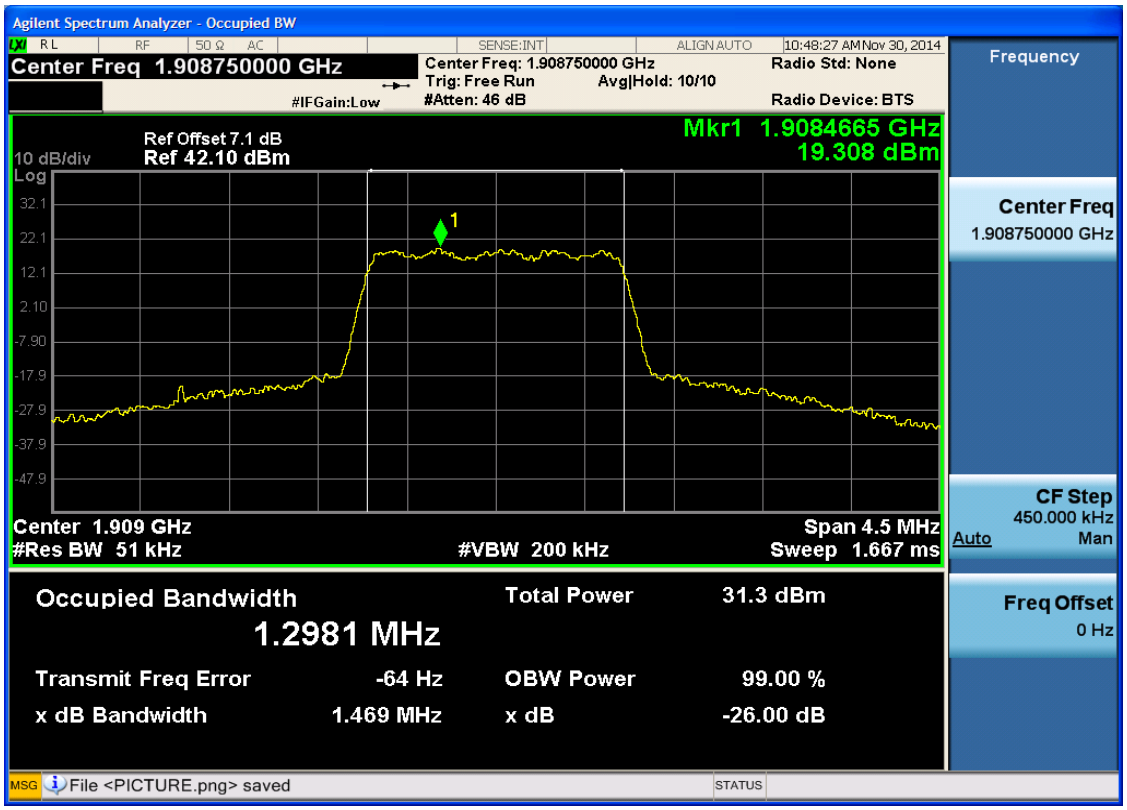
4.1.3.1.3 Test Channel = HCH



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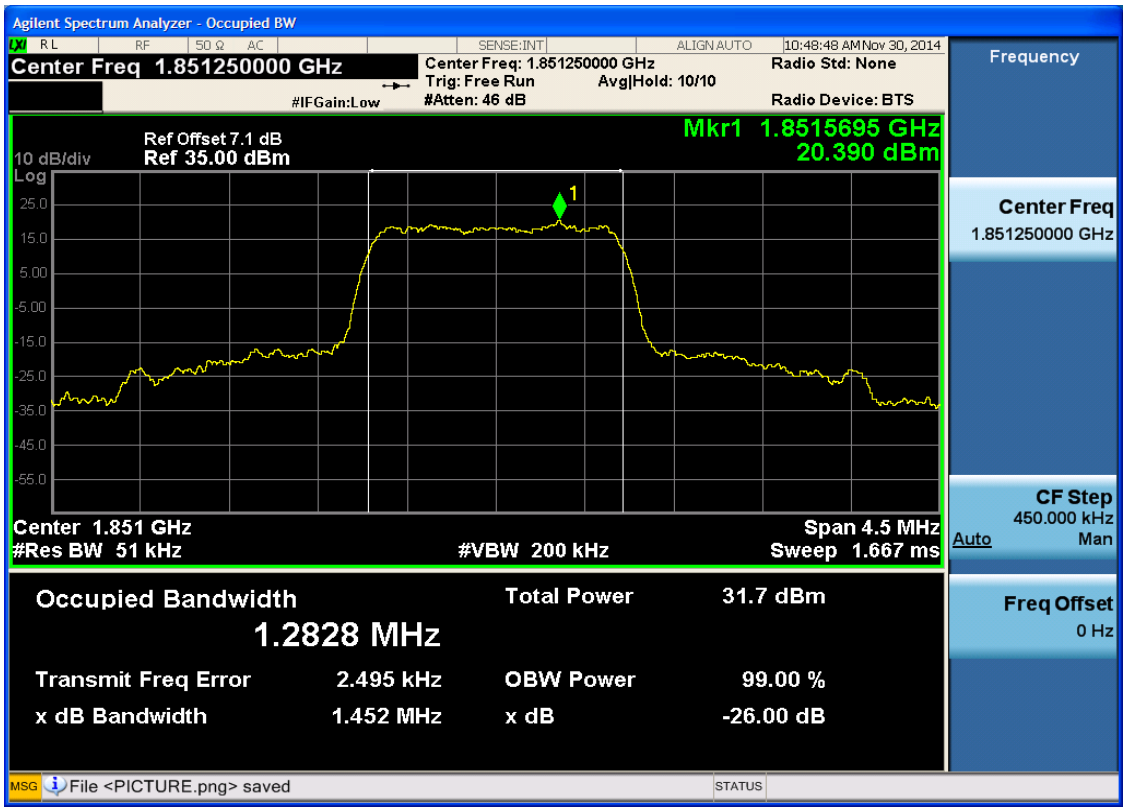
4.1.3.2 Test Mode = CDMA/1X/TM3

4.1.3.2.1 Test Channel = LCH



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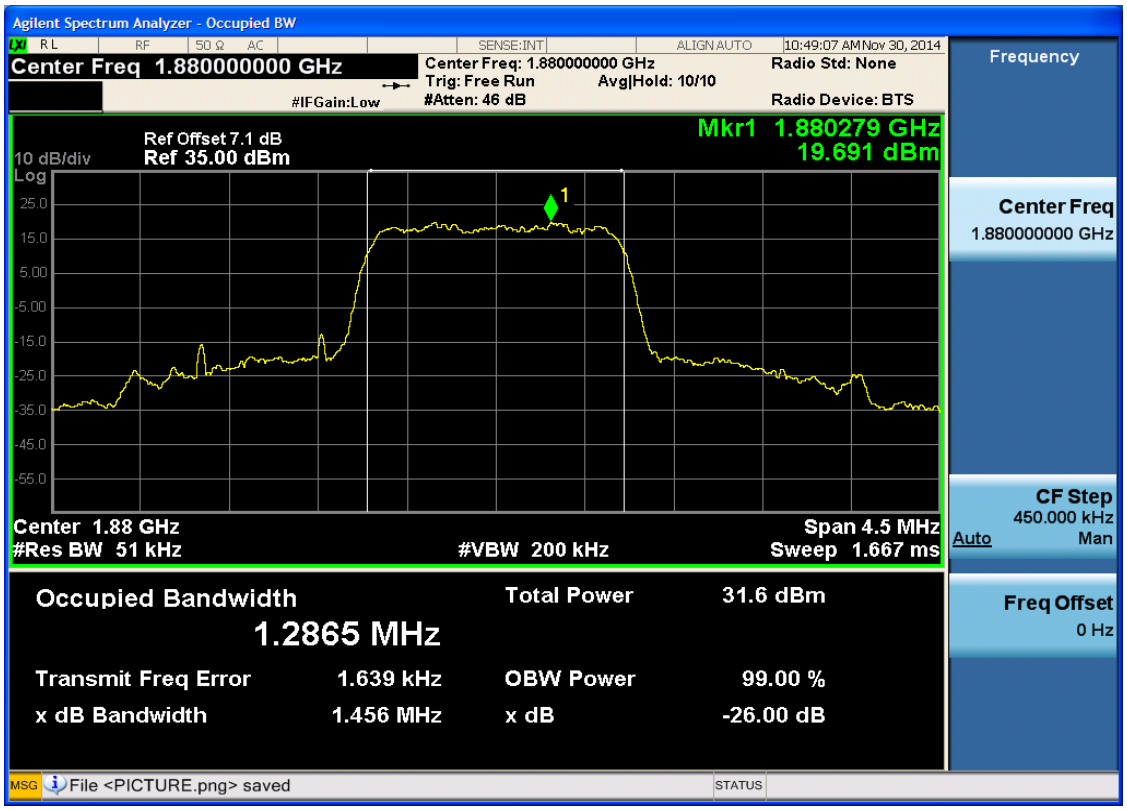
4.1.3.2.2 Test Channel = MCH



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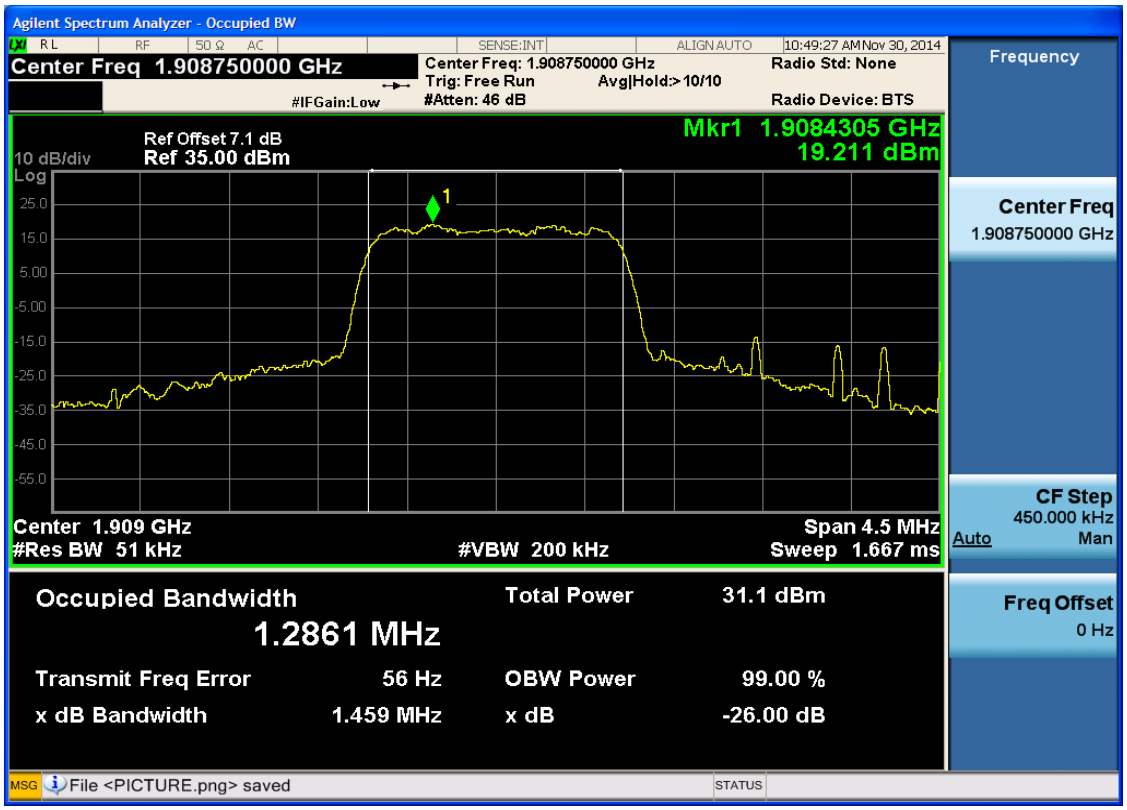
4.1.3.2.3 Test Channel = HCH



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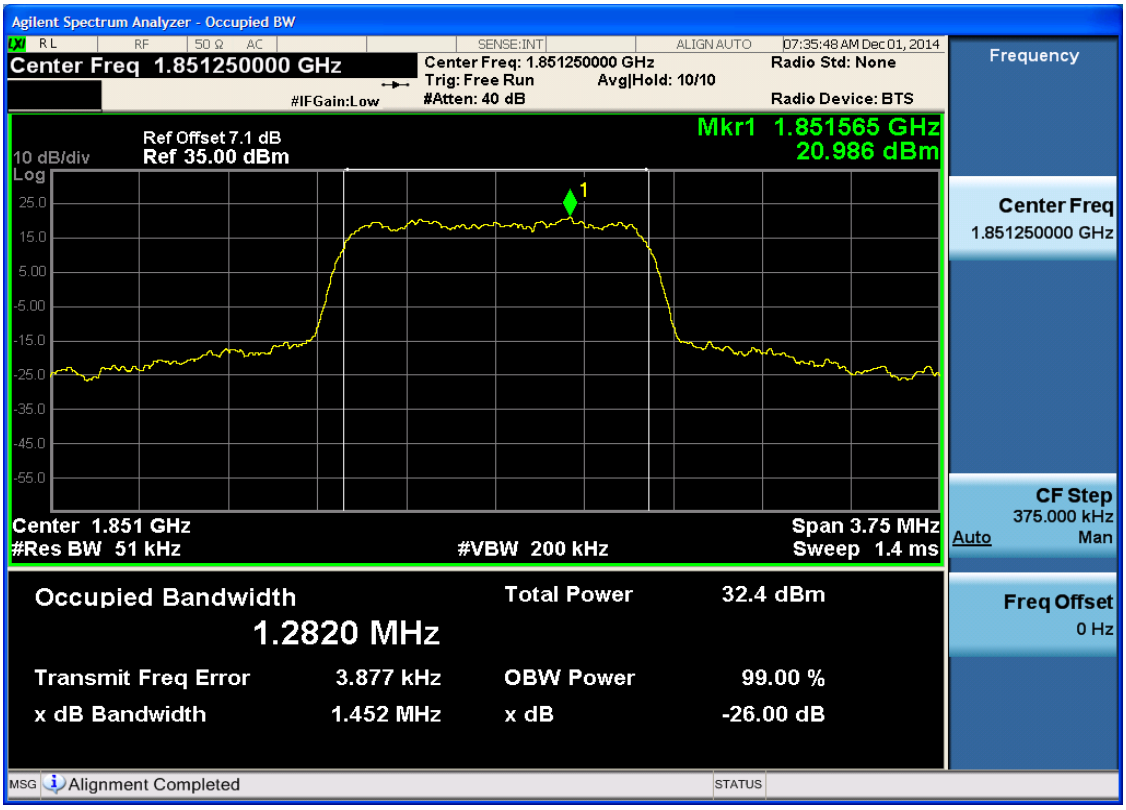
4.1.4 Test Band = BC1

4.1.4.1 Test Mode = CDMA/EV-DO/Subtype0

4.1.4.1.1 Test Modulation = HPSK

4.1.4.1.1.1 Test Channel = LCH



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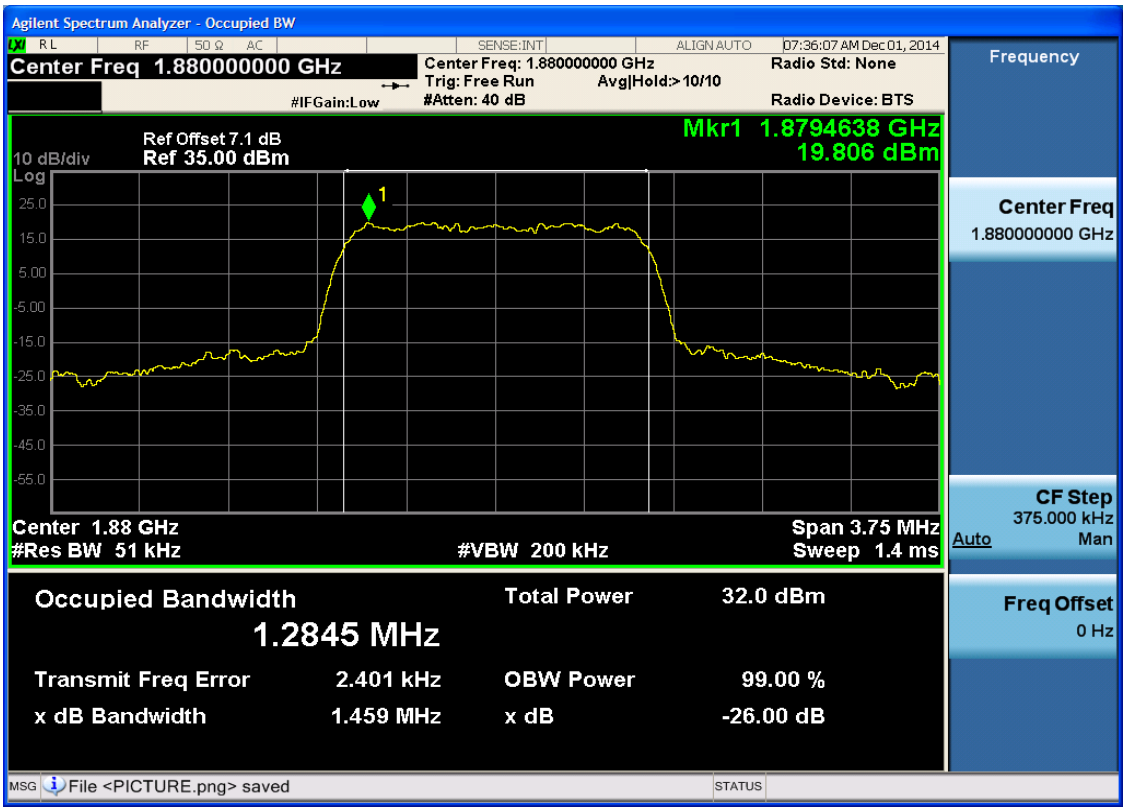
4.1.4.1.1.2 Test Channel = MCH



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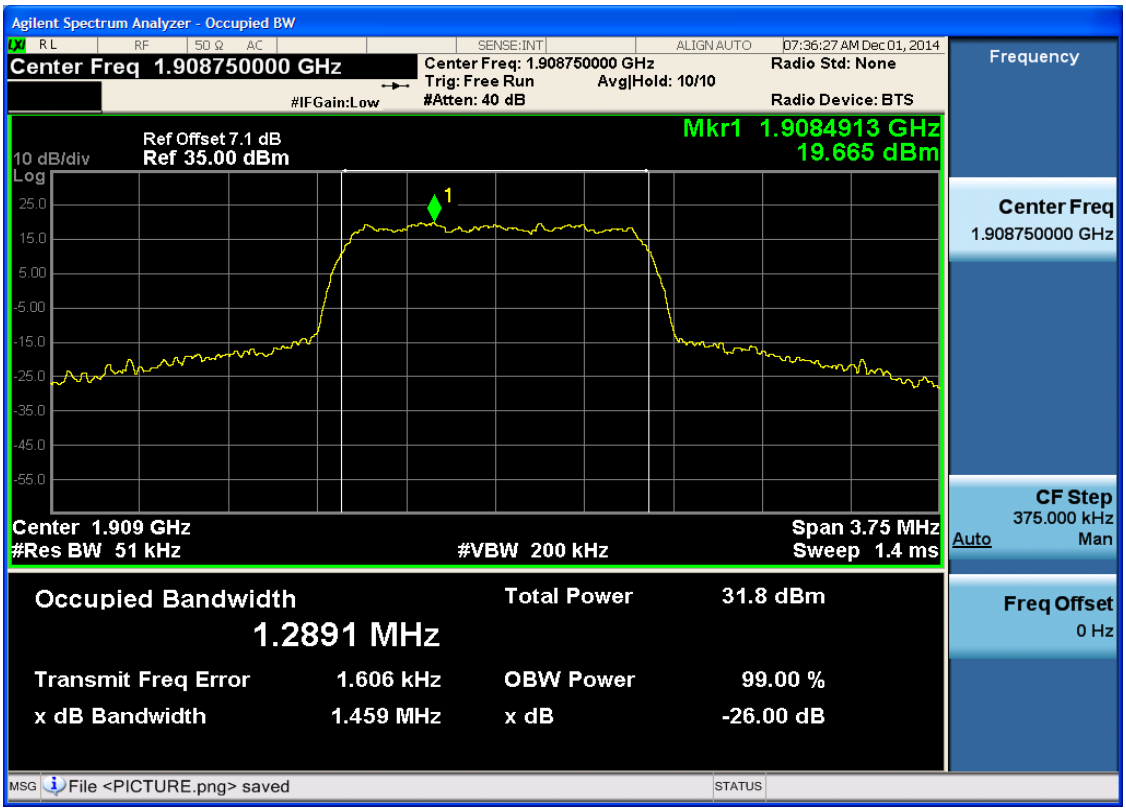
4.1.4.1.1.3 Test Channel = HCH



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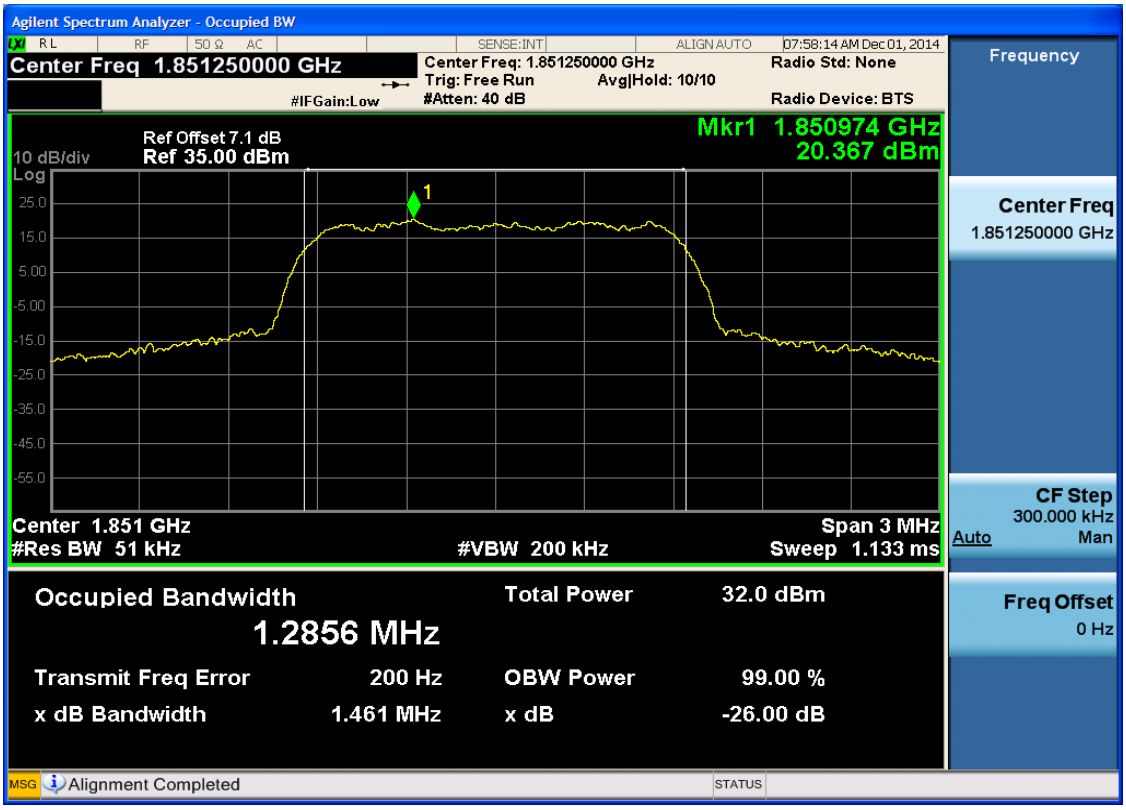
4.1.4.2 Test Mode = CDMA/EV-DO/Subtype2

4.1.4.2.1Test Modulation = BPSK (256 bits)

4.1.4.2.1.1 Test Channel = LCH



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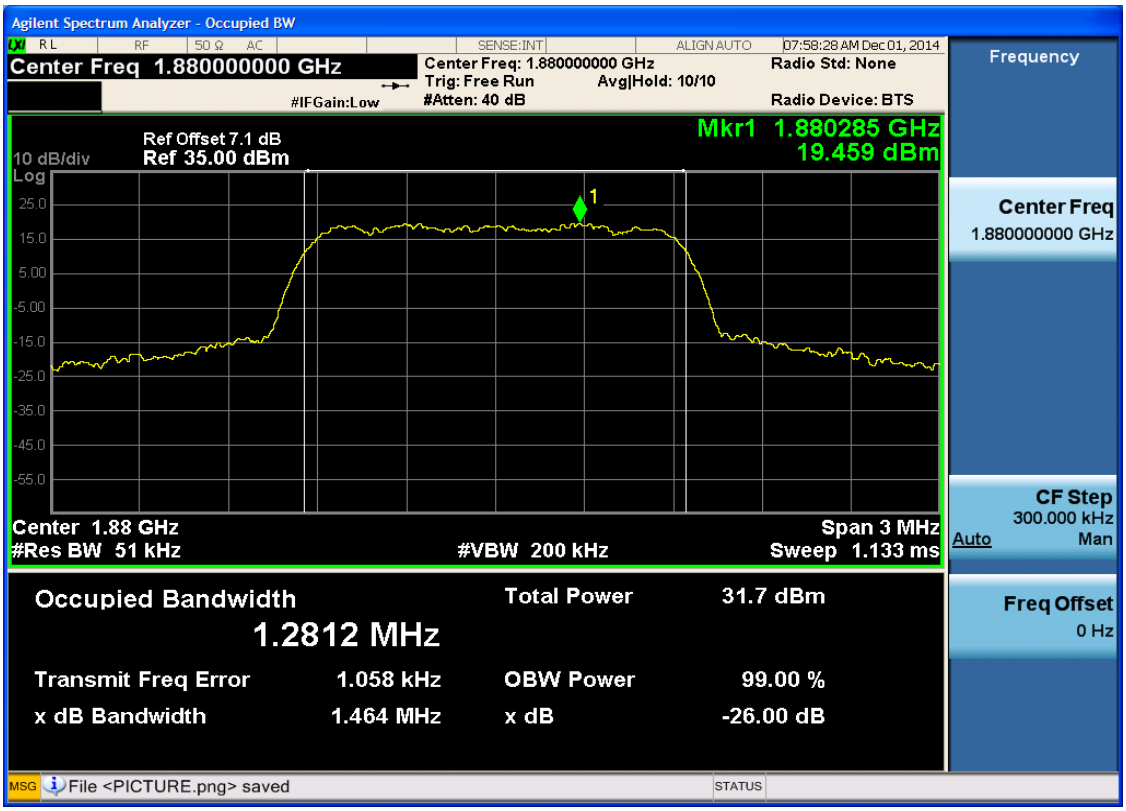
4.1.4.2.1.2 Test Channel = MCH



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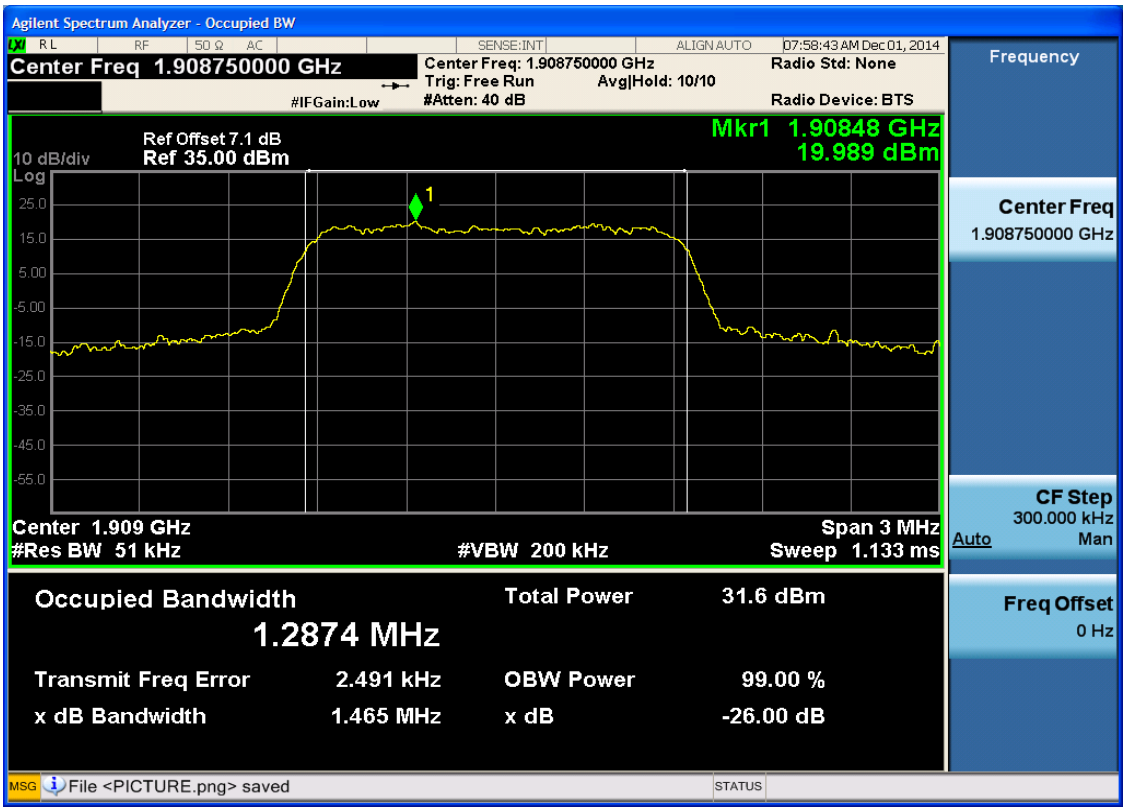
4.1.4.2.1.3 Test Channel = HCH



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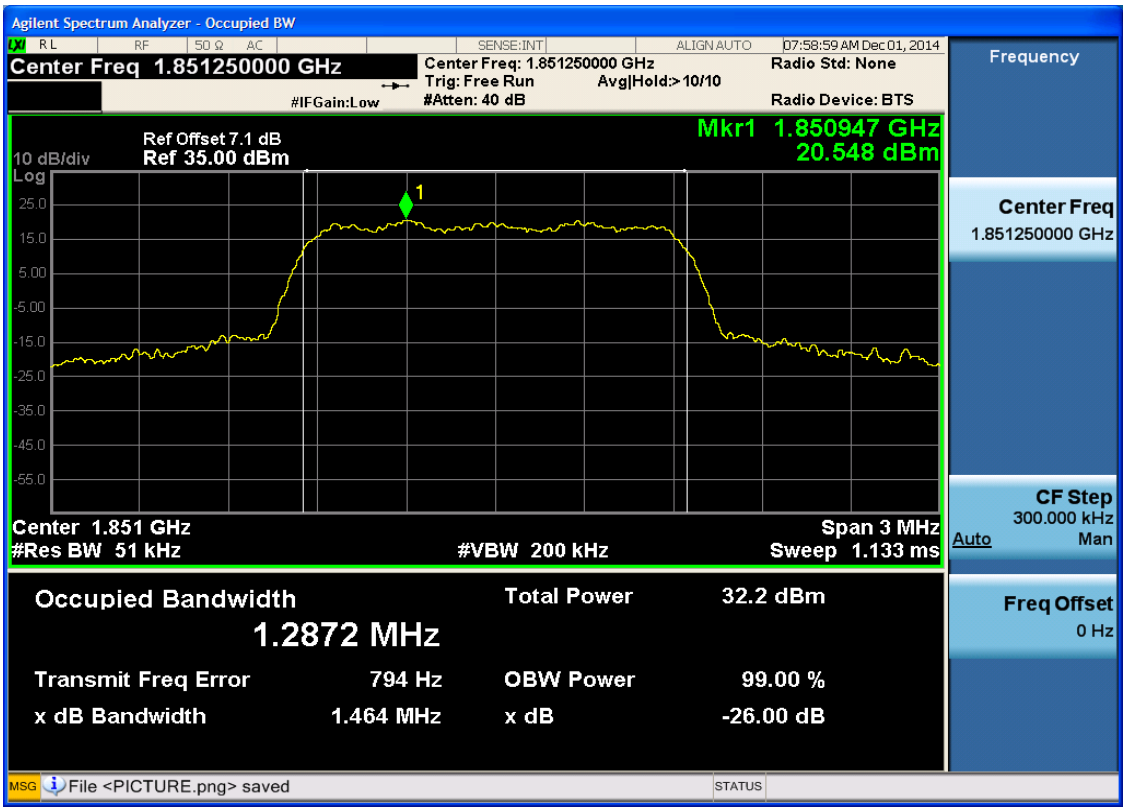
4.1.4.2.2Test Modulation = QPSK (4096 bits)

4.1.4.2.2.1 Test Channel = LCH



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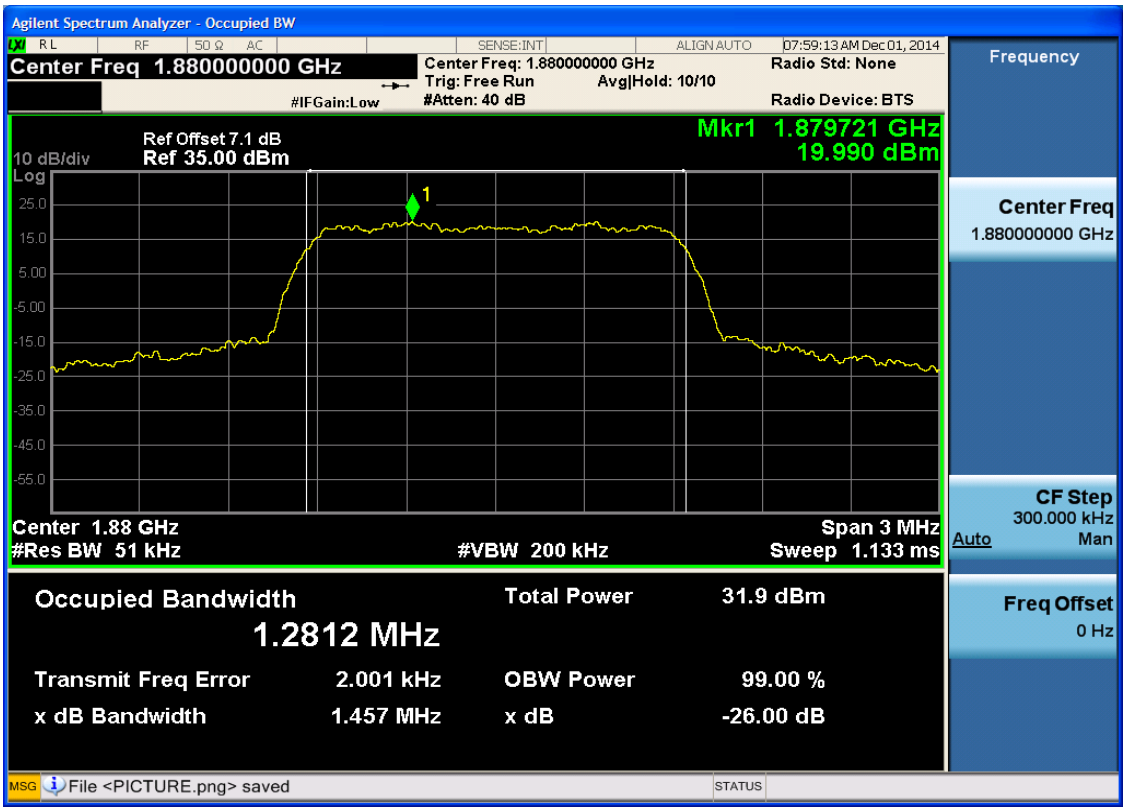
4.1.4.2.2.2 Test Channel = MCH



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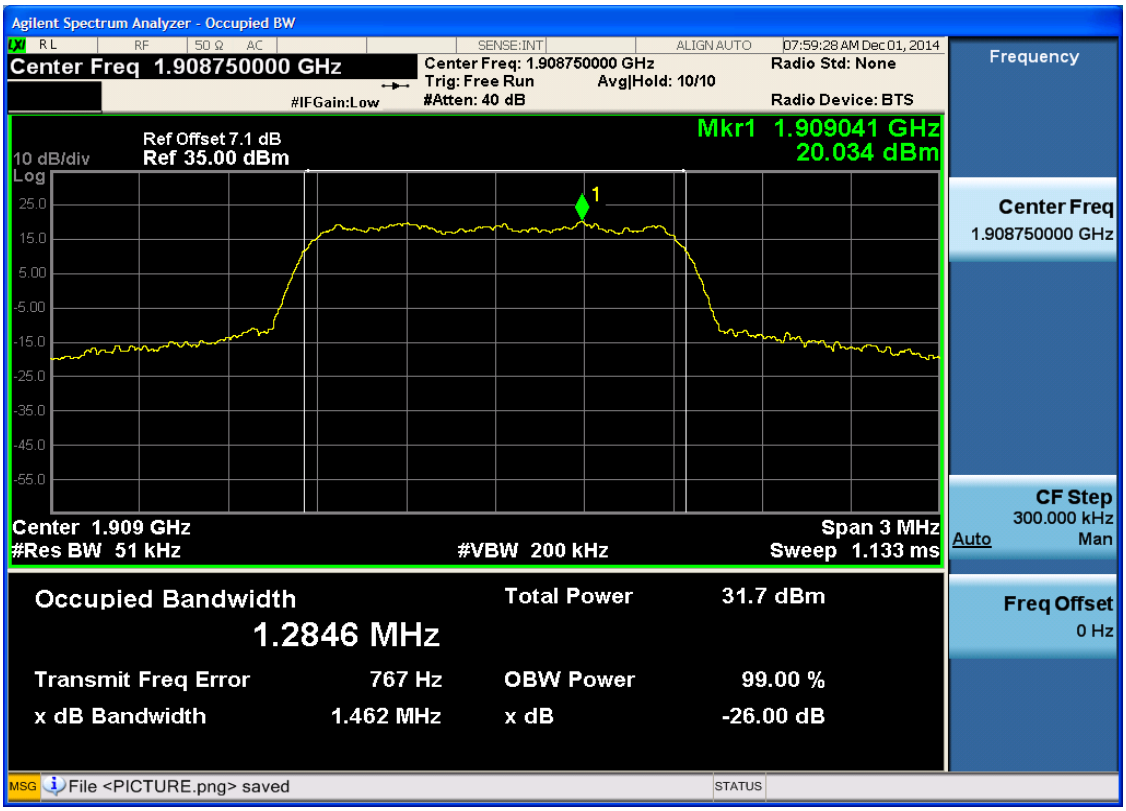
4.1.4.2.2.3 Test Channel = HCH



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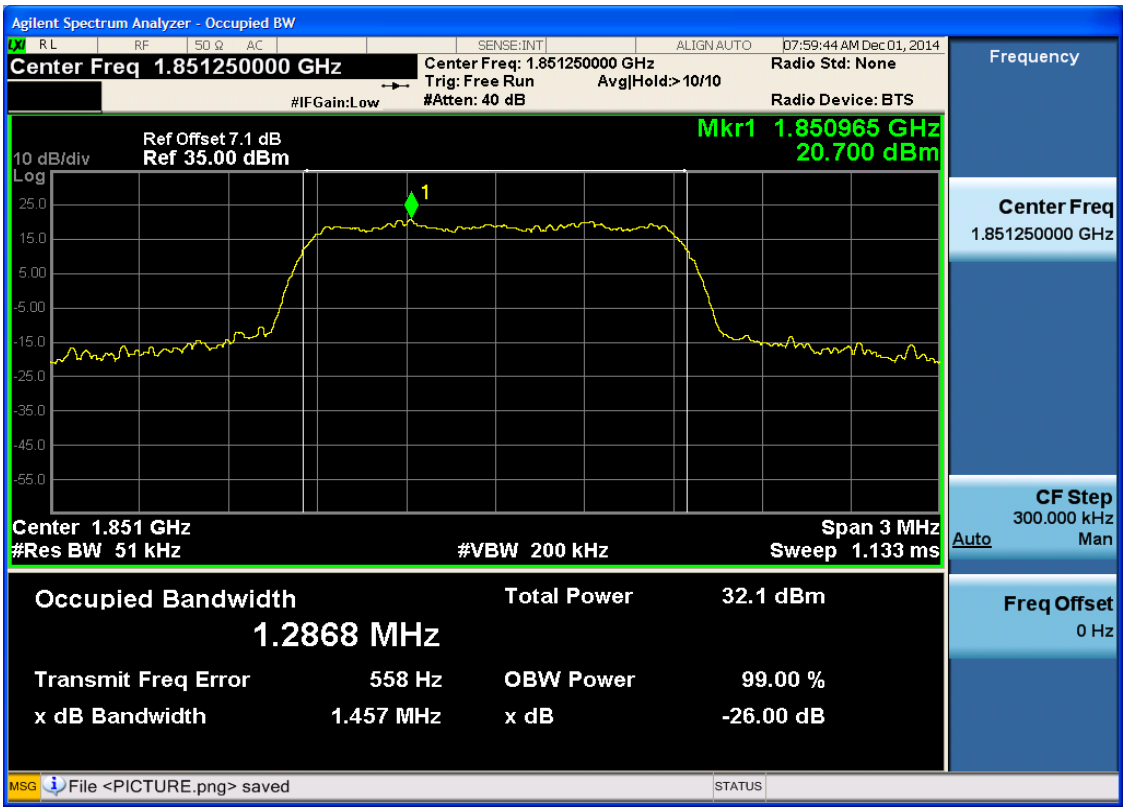
4.1.4.2.3Test Modulation = 8-PSK (12288 bits)

4.1.4.2.3.1 Test Channel = LCH



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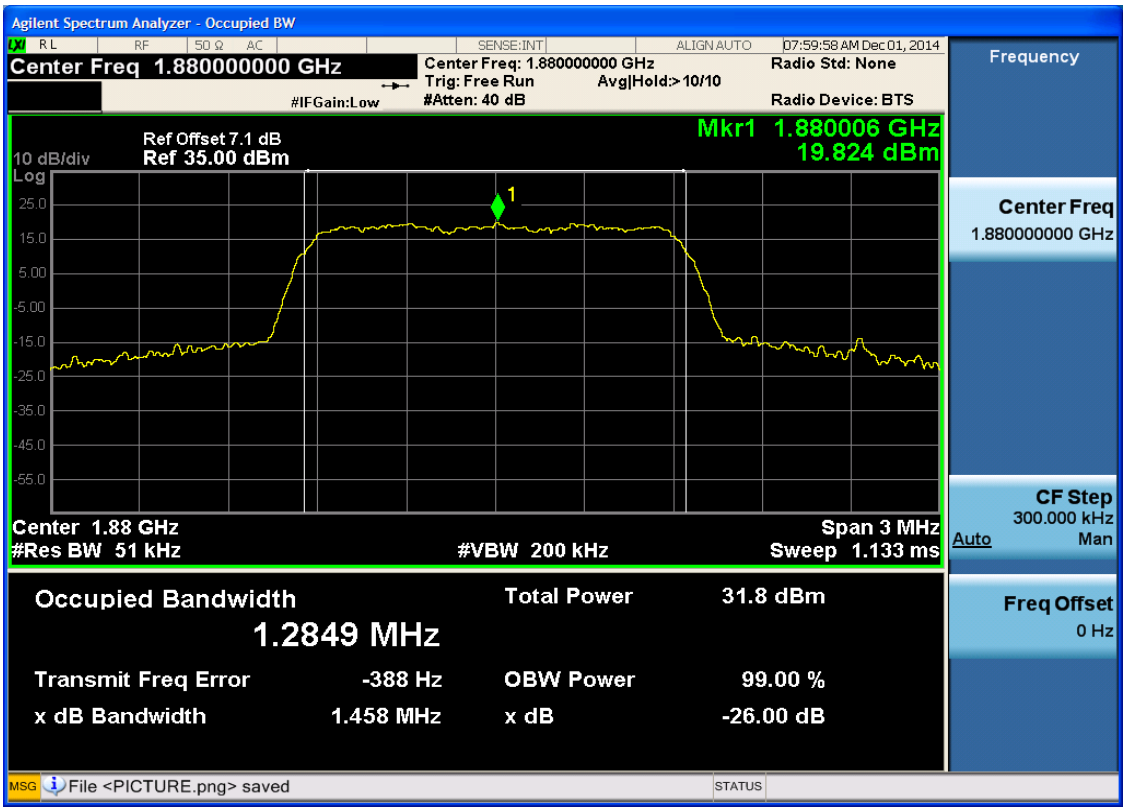
4.1.4.2.3.2 Test Channel = MCH



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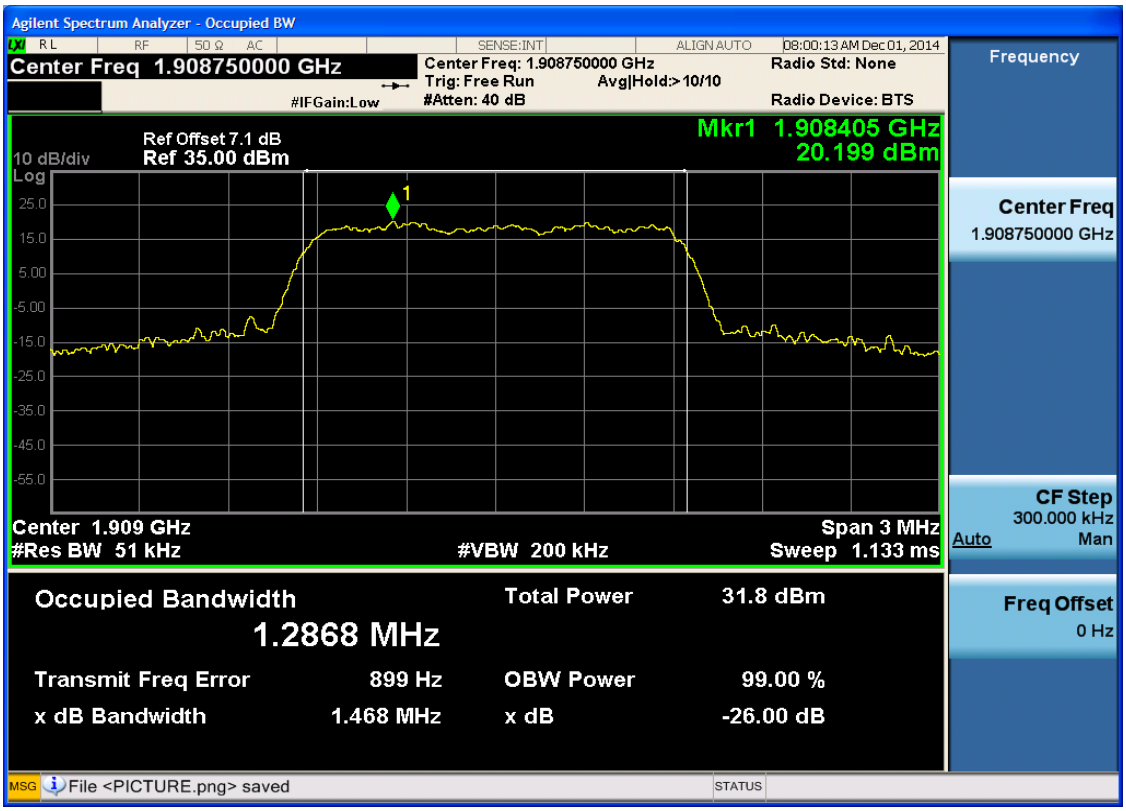
4.1.4.2.3.3 Test Channel = HCH



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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

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5.1.1.1.2 Test Channel = HCH

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5.1.1.2 Test Mode = CDMA/1X/TM3

5.1.1.2.1 Test Channel = LCH

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5.1.1.2.2 Test Channel = HCH

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5.1.2 Test Band = BC0

5.1.2.1 Test Mode = CDMA/EV-DO/Subtype0

5.1.2.1.1 Test Modulation = HPSK

5.1.2.1.1.1 Test Channel = LCH

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5.1.2.1.1.2 Test Channel = HCH

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5.1.2.2 Test Mode = CDMA/EV-DO/Subtype2

5.1.2.2.1 Test Modulation = BPSK (256 bits)

5.1.2.2.1.1 Test Channel = LCH

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5.1.2.2.1.2 Test Channel = HCH

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5.1.2.2.2 Test Modulation = QPSK (4096 bits)

5.1.2.2.2.1 Test Channel = LCH

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5.1.2.2.2.2 Test Channel = HCH

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5.1.2.2.3 Test Modulation = 8-PSK (12288 bits)

5.1.2.2.3.1 Test Channel = LCH

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5.1.2.2.3.2 Test Channel = HCH

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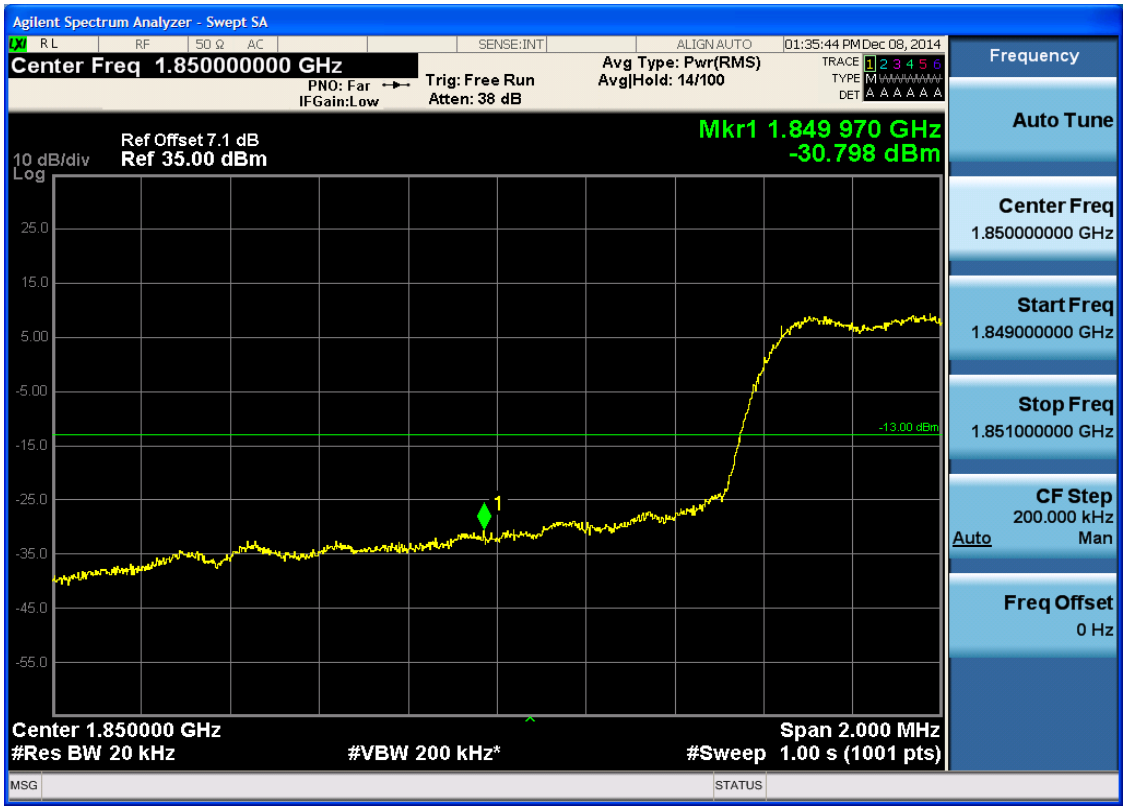
5.1.3 Test Band = BC1

5.1.3.1 Test Mode = CDMA/1X/TM1

5.1.3.1.1 Test Channel = LCH



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5.1.3.1.2 Test Channel = HCH

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5.1.3.2 Test Mode = CDMA/1X/TM3

5.1.3.2.1 Test Channel = LCH

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5.1.3.2.2 Test Channel = HCH

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5.1.4 Test Band = BC1

5.1.4.1 Test Mode = CDMA/EV-DO/Subtype0

5.1.4.1.1 Test Modulation = HPSK

5.1.4.1.1.1 Test Channel = LCH

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5.1.4.1.1.2 Test Channel = HCH

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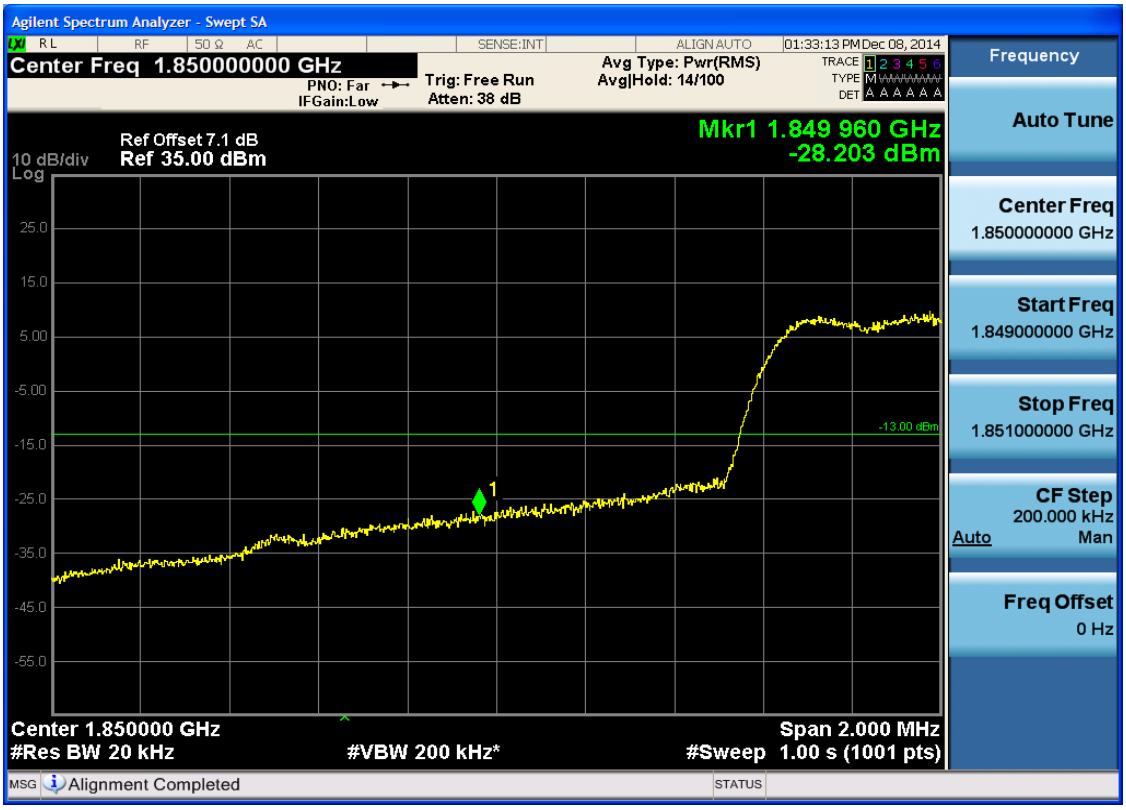
5.1.4.2 Test Mode = CDMA/EV-DO/Subtype2

5.1.4.2.1 Test Modulation = BPSK (256 bits)

5.1.4.2.1.1 Test Channel = LCH



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5.1.4.2.1.2 Test Channel = HCH

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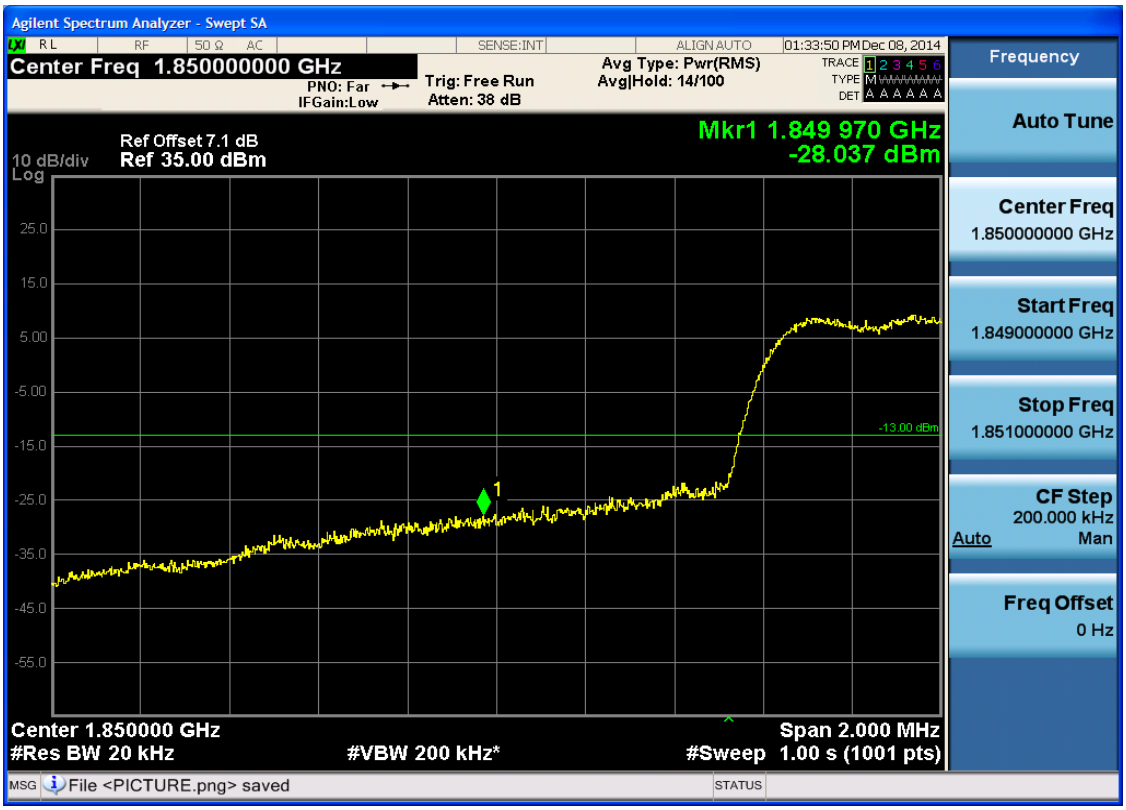
5.1.4.2.2 Test Modulation = QPSK (4096 bits)

5.1.4.2.2.1 Test Channel = LCH



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5.1.4.2.2.2 Test Channel = HCH

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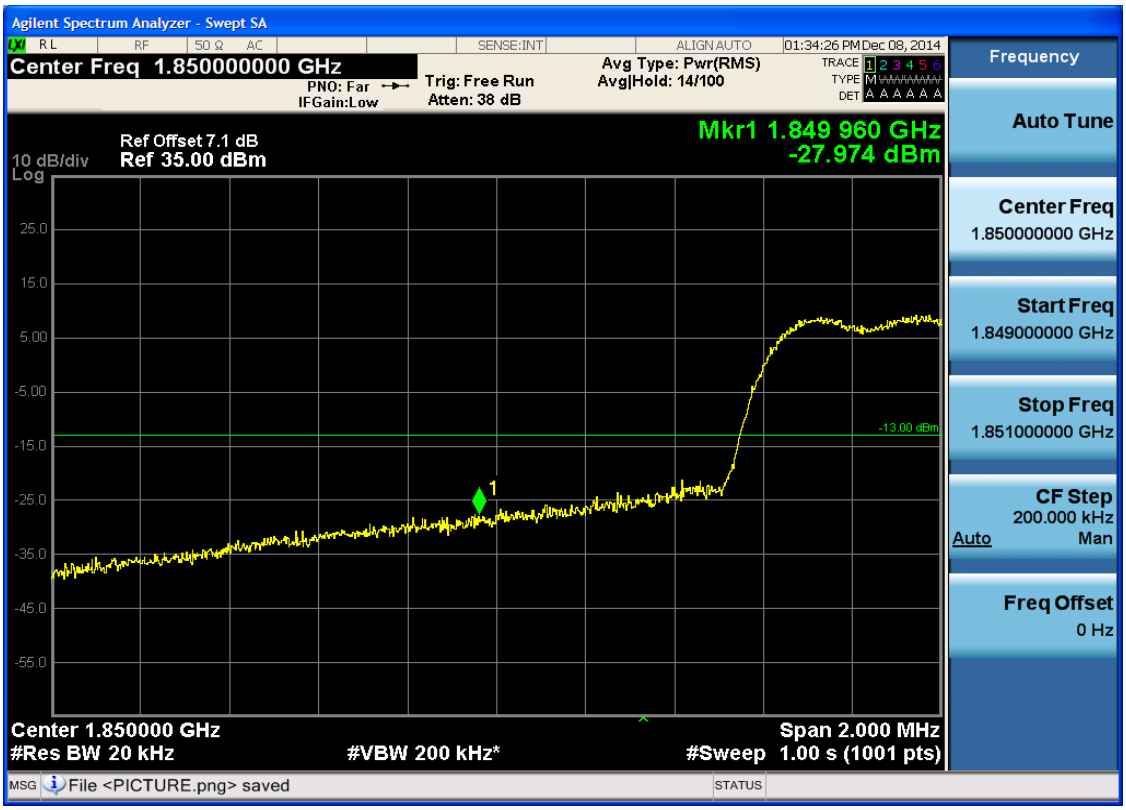
5.1.4.2.3 Test Modulation = 8-PSK (12288 bits)

5.1.4.2.3.1 Test Channel = LCH



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5.1.4.2.3.2 Test Channel = HCH

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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.

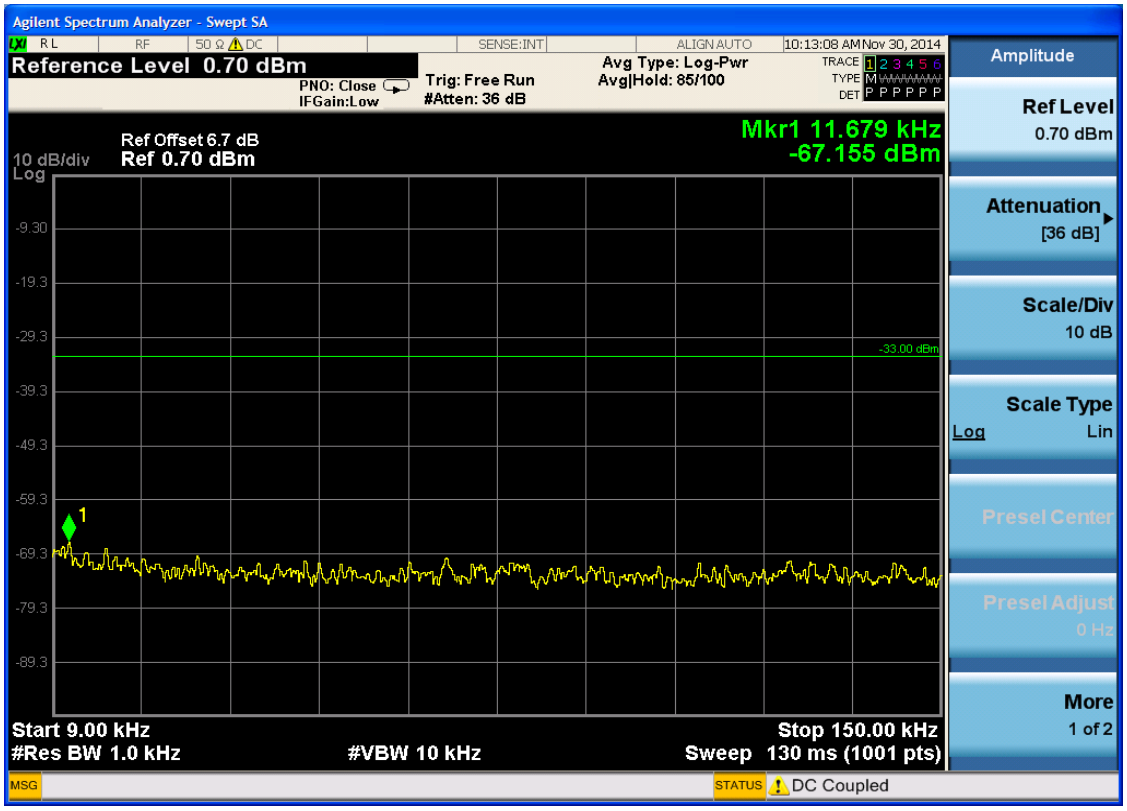
Part I - Test Plots

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



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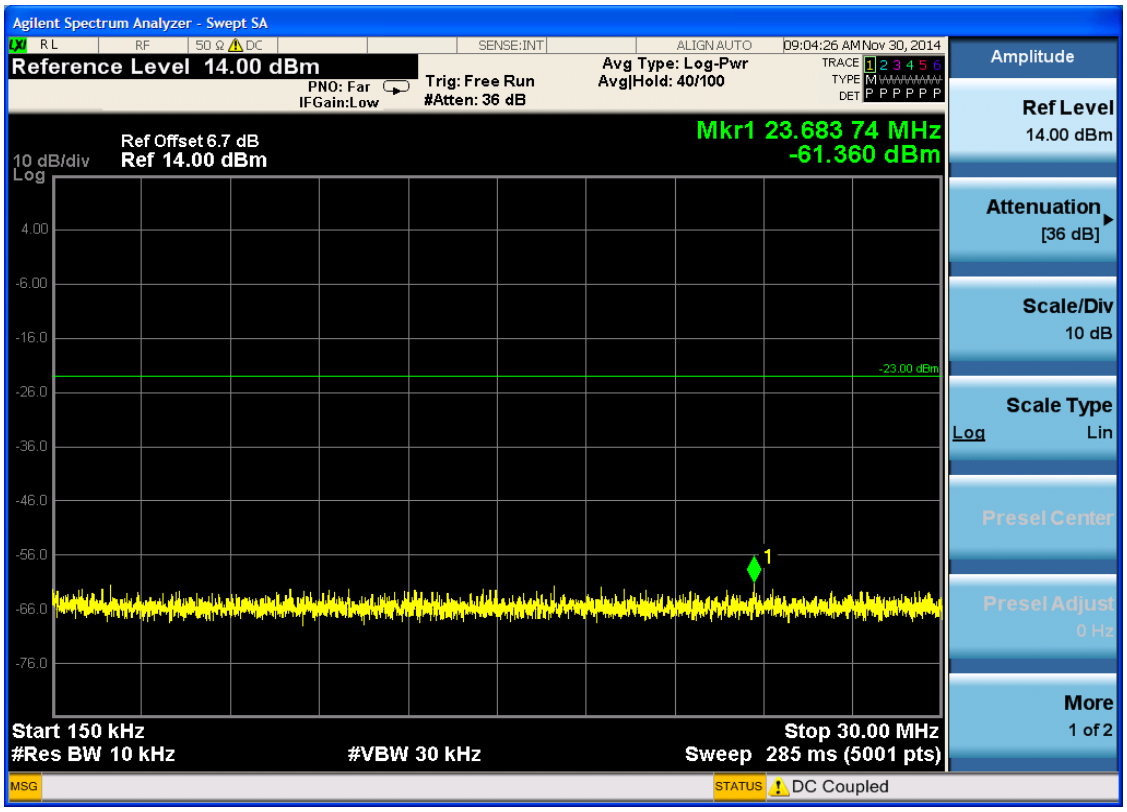

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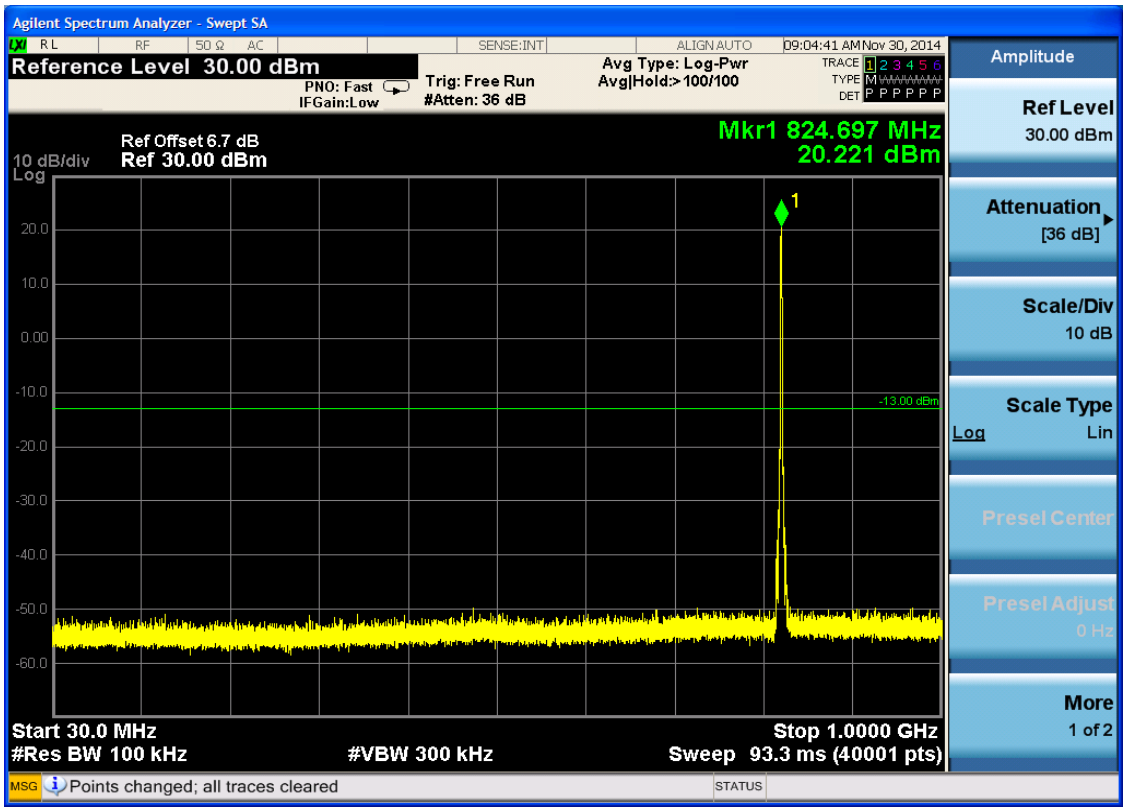

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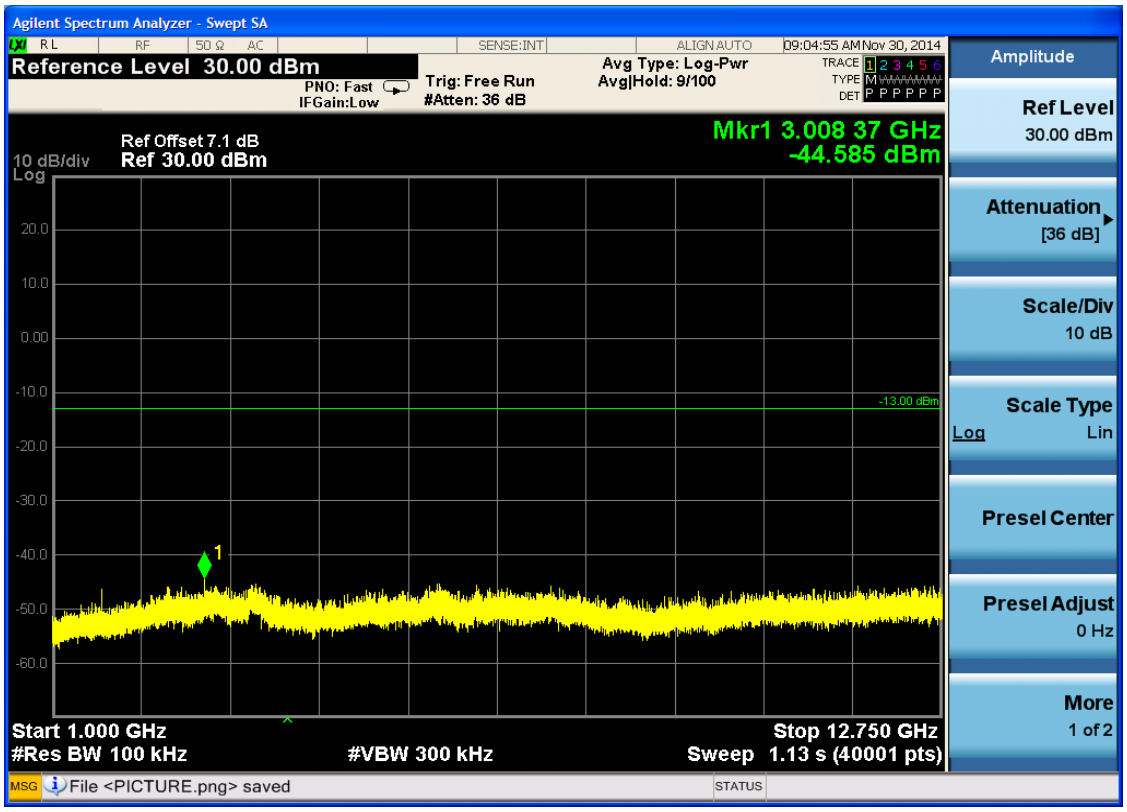

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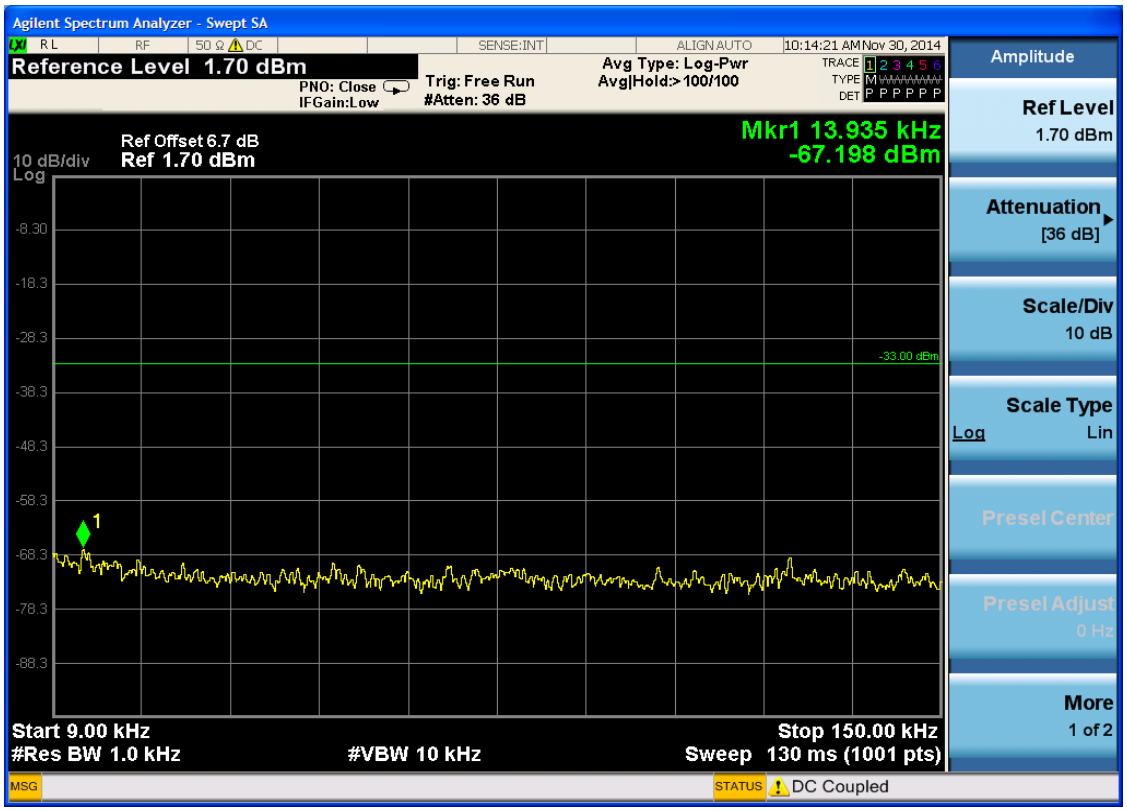
6.1.1.1.2 Test Channel = MCH



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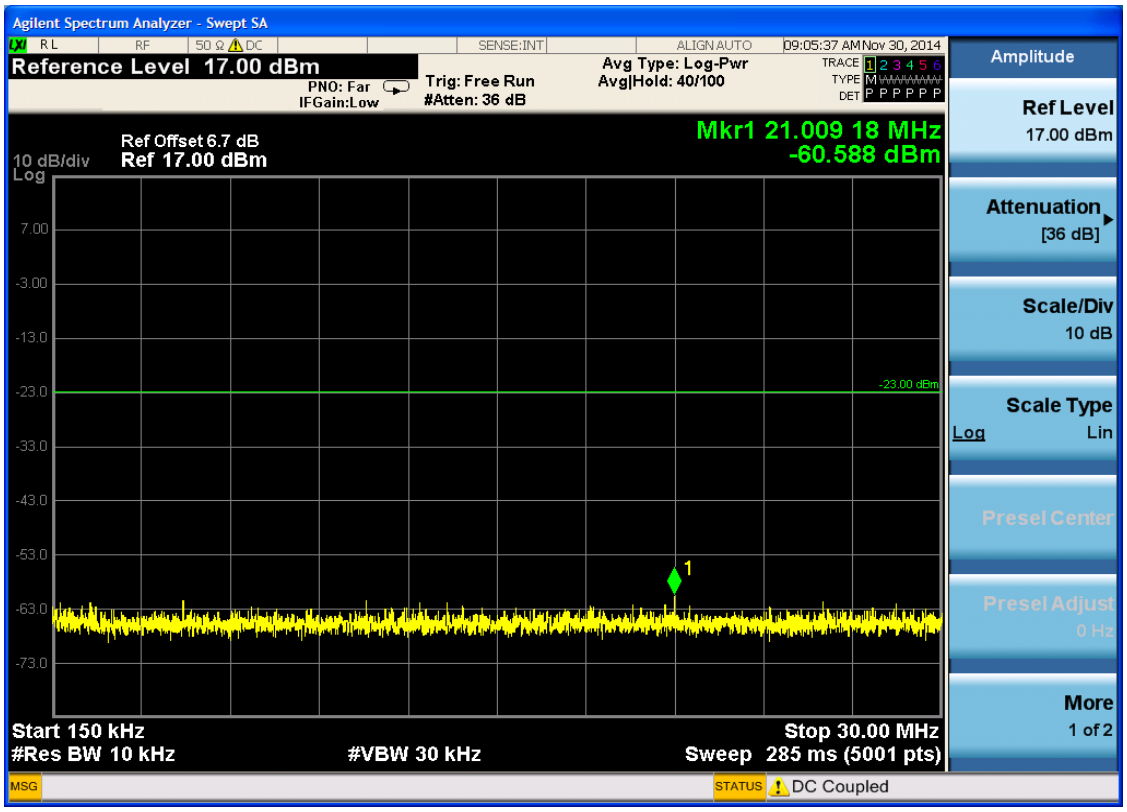

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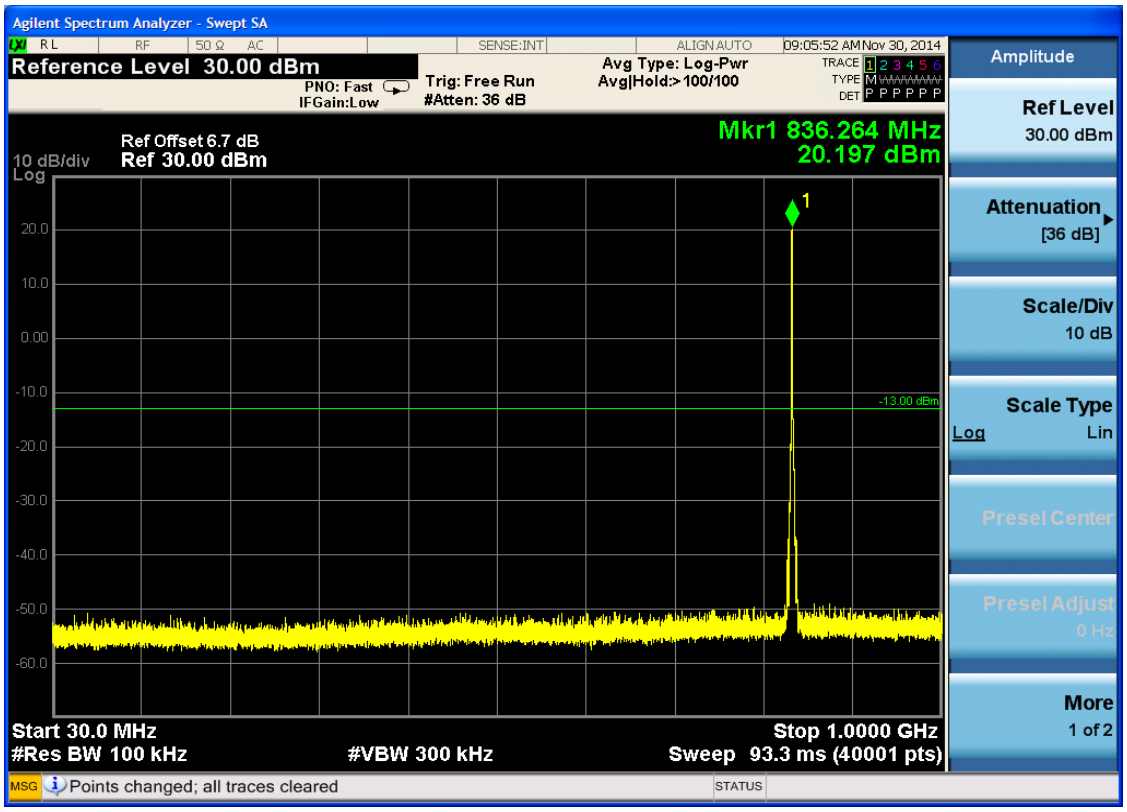

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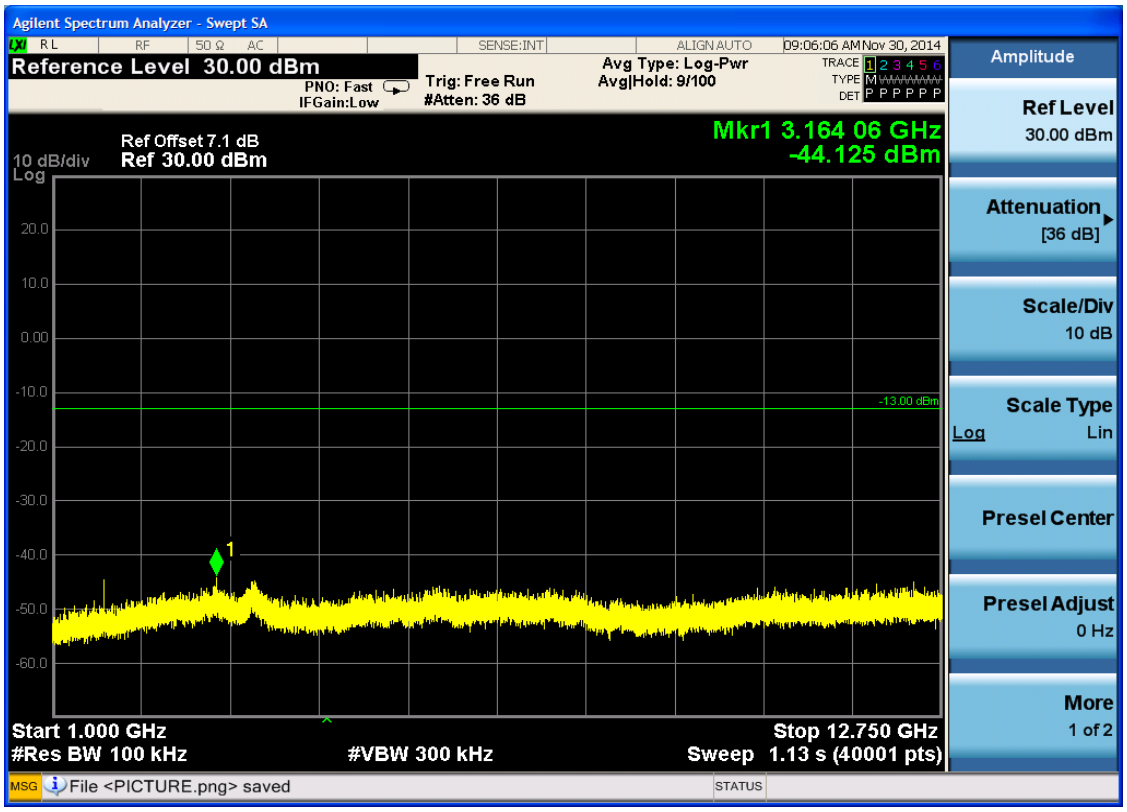

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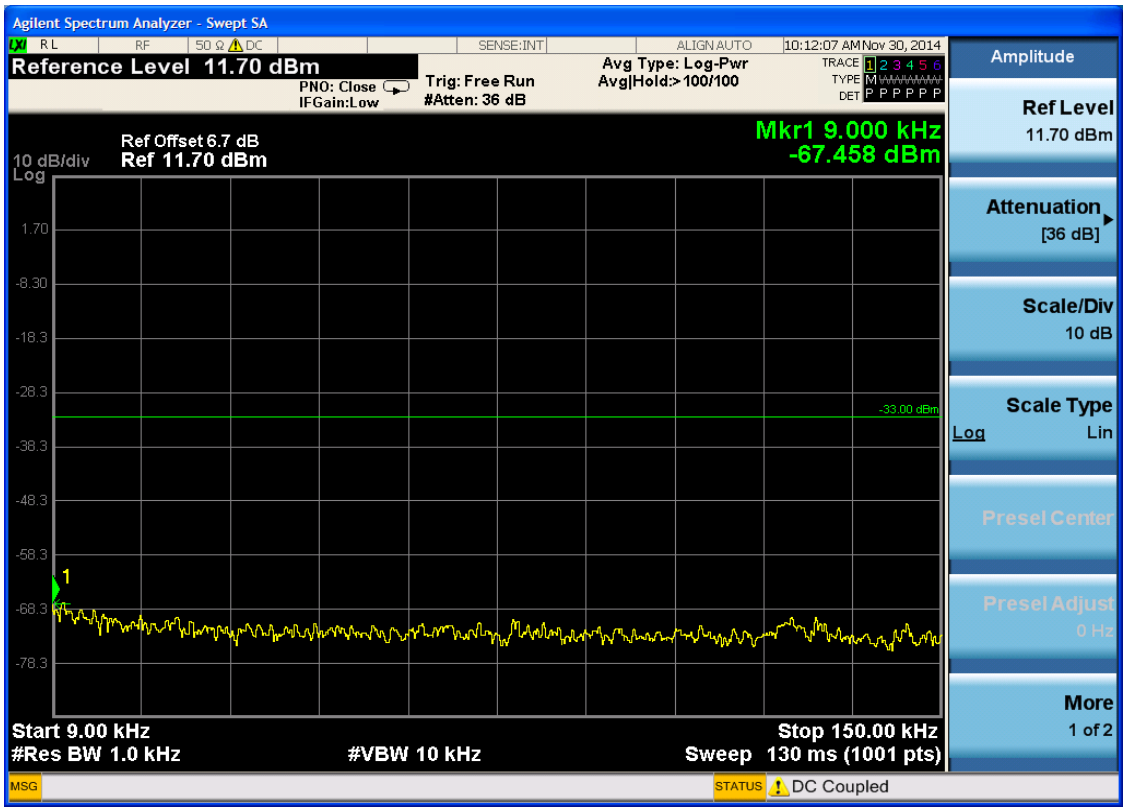
6.1.1.1.3 Test Channel = HCH



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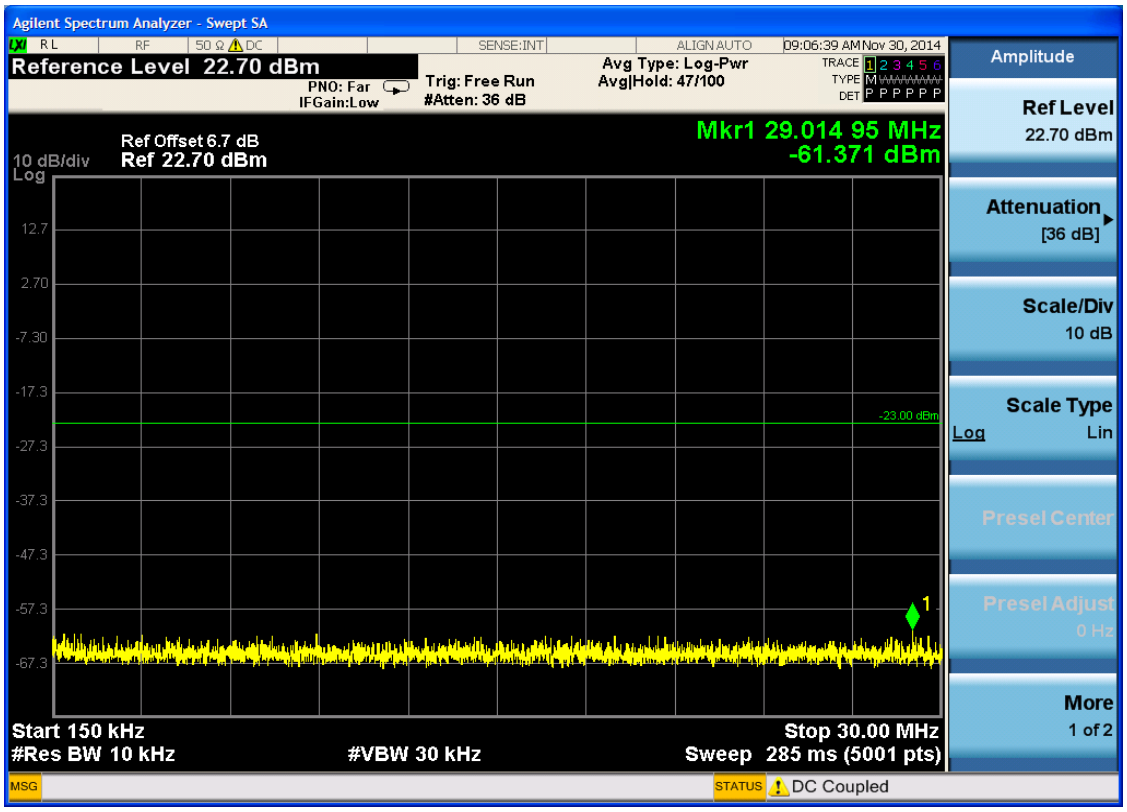

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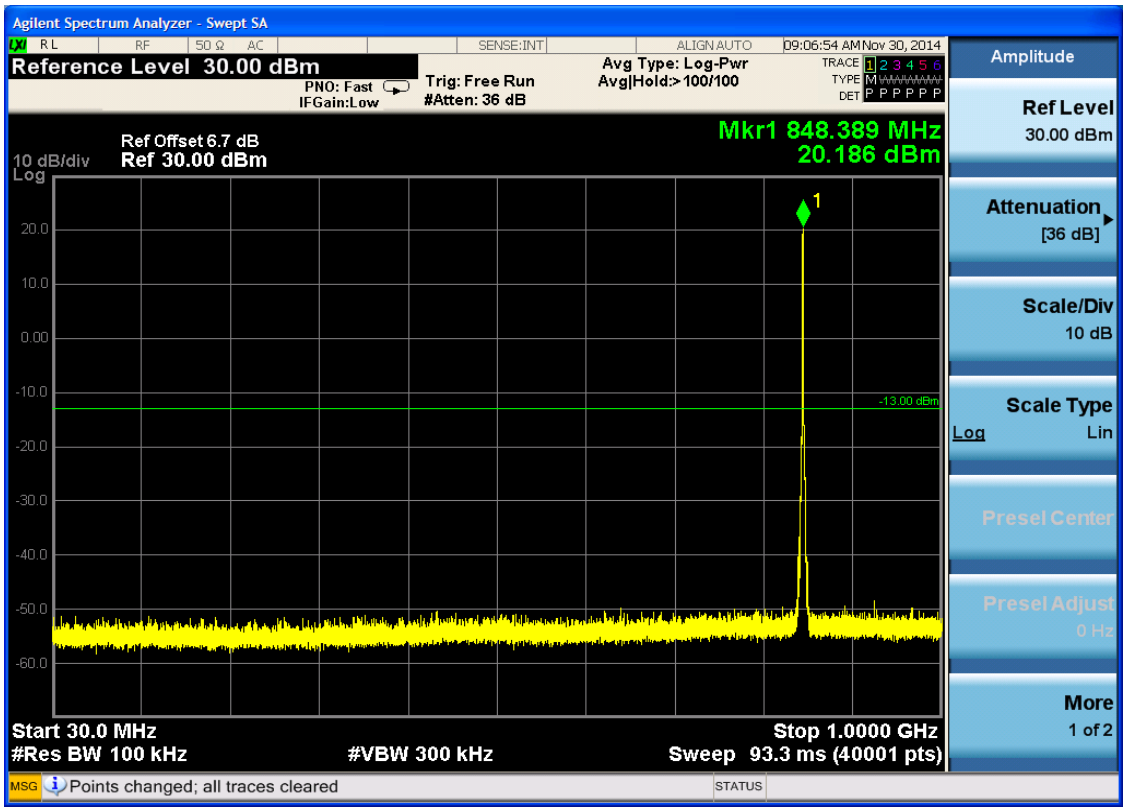

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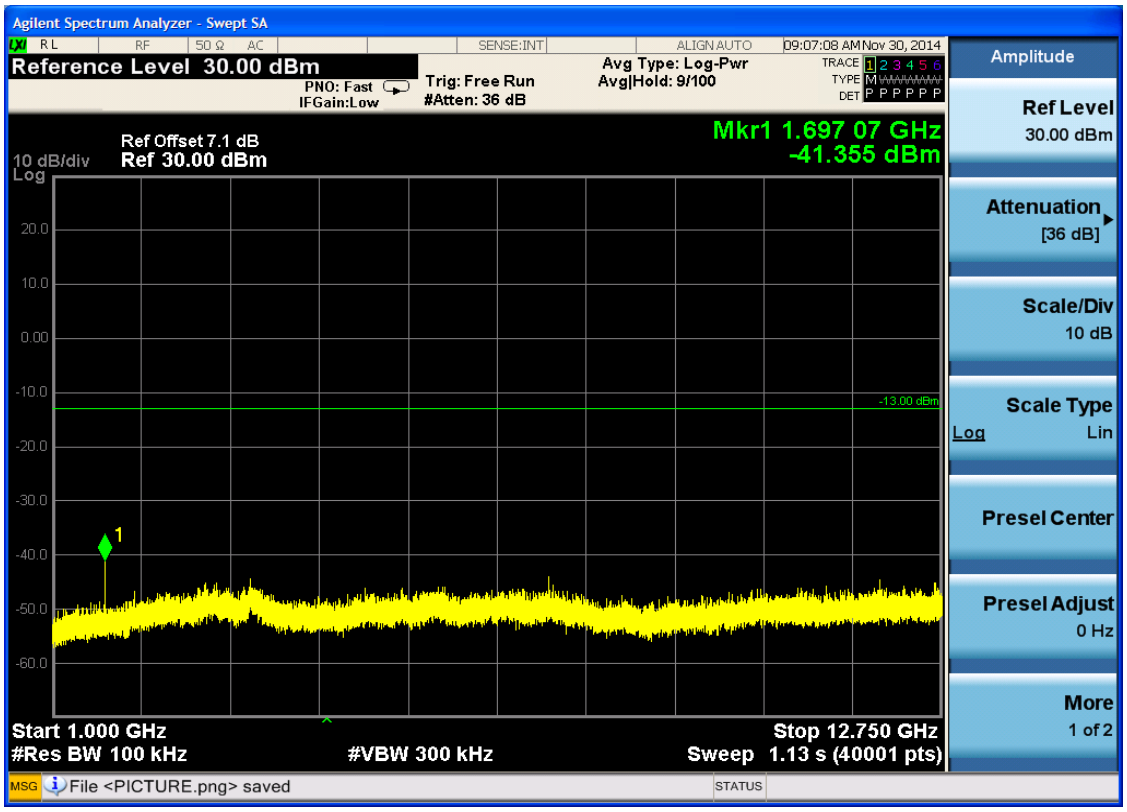

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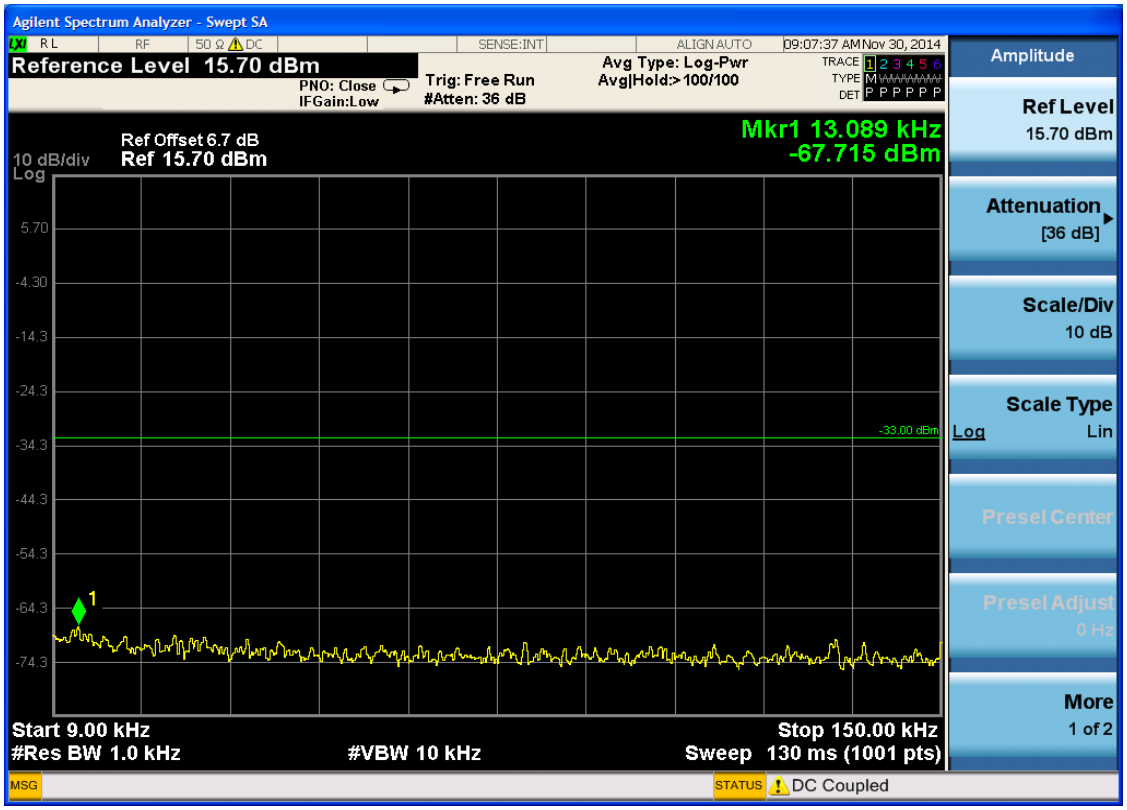
6.1.1.2 Test Mode = CDMA/1X/TM3

6.1.1.2.1 Test Channel = LCH



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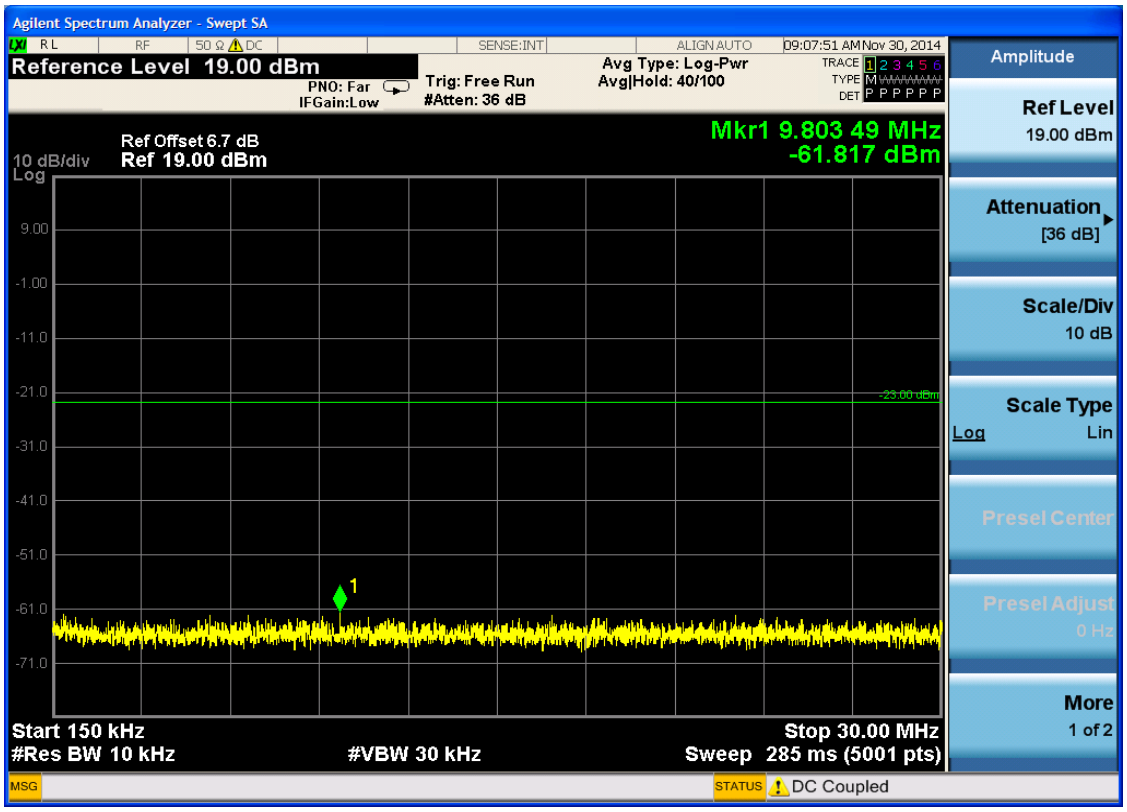

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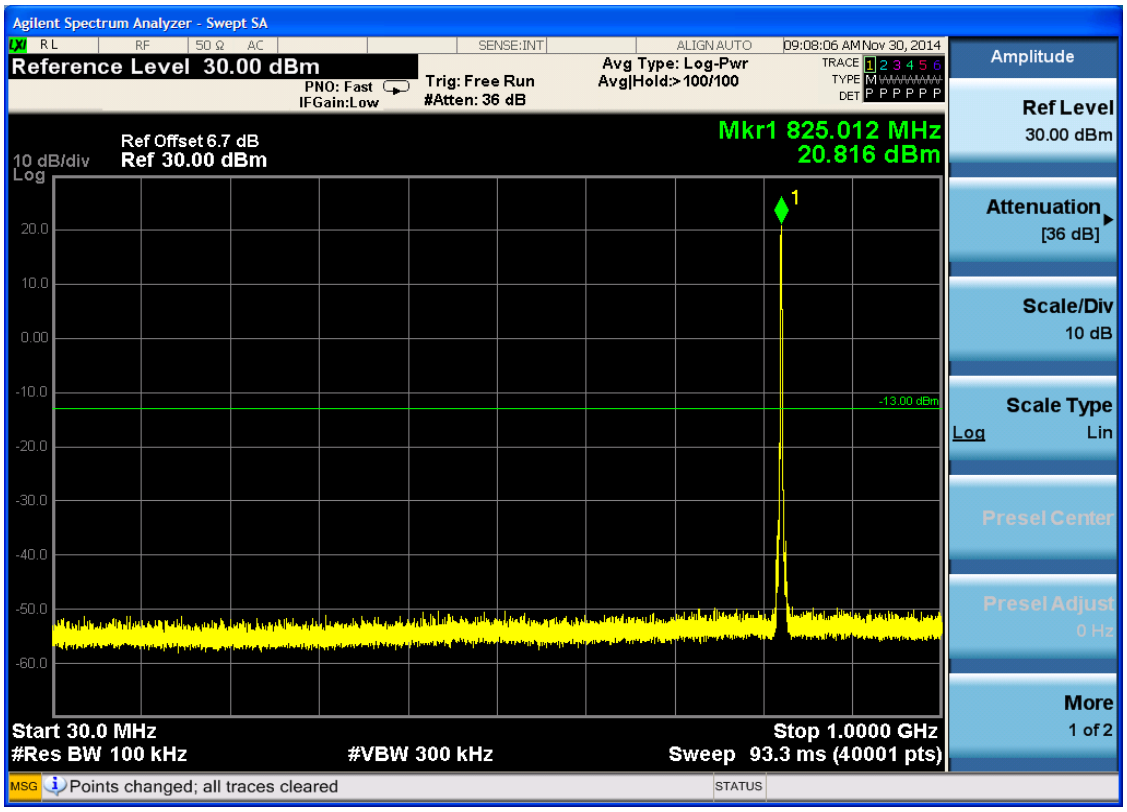

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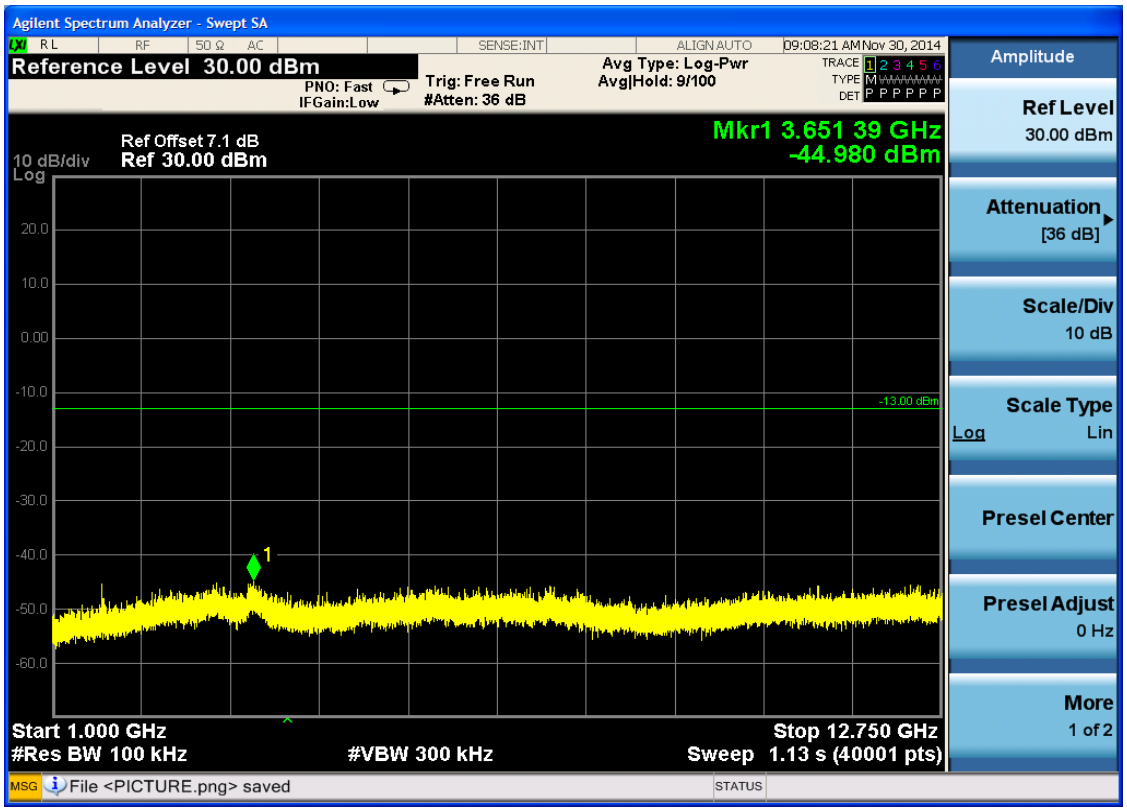

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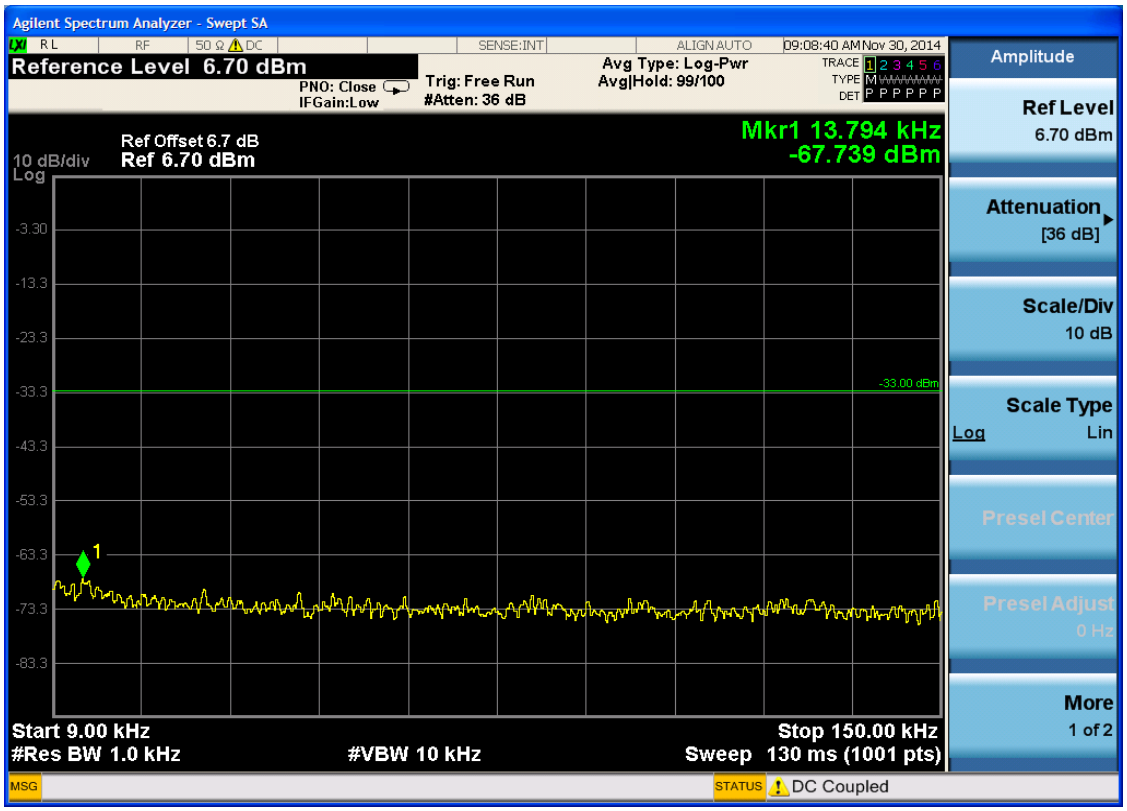
6.1.1.2.2 Test Channel = MCH



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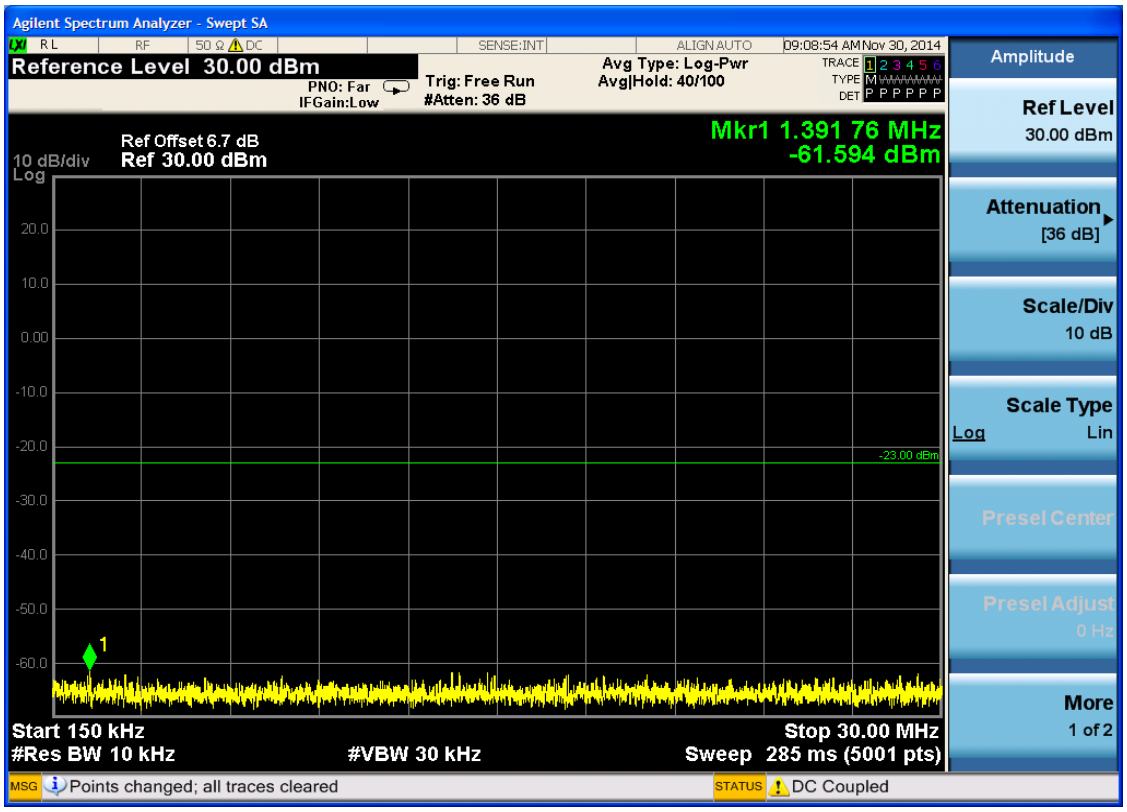

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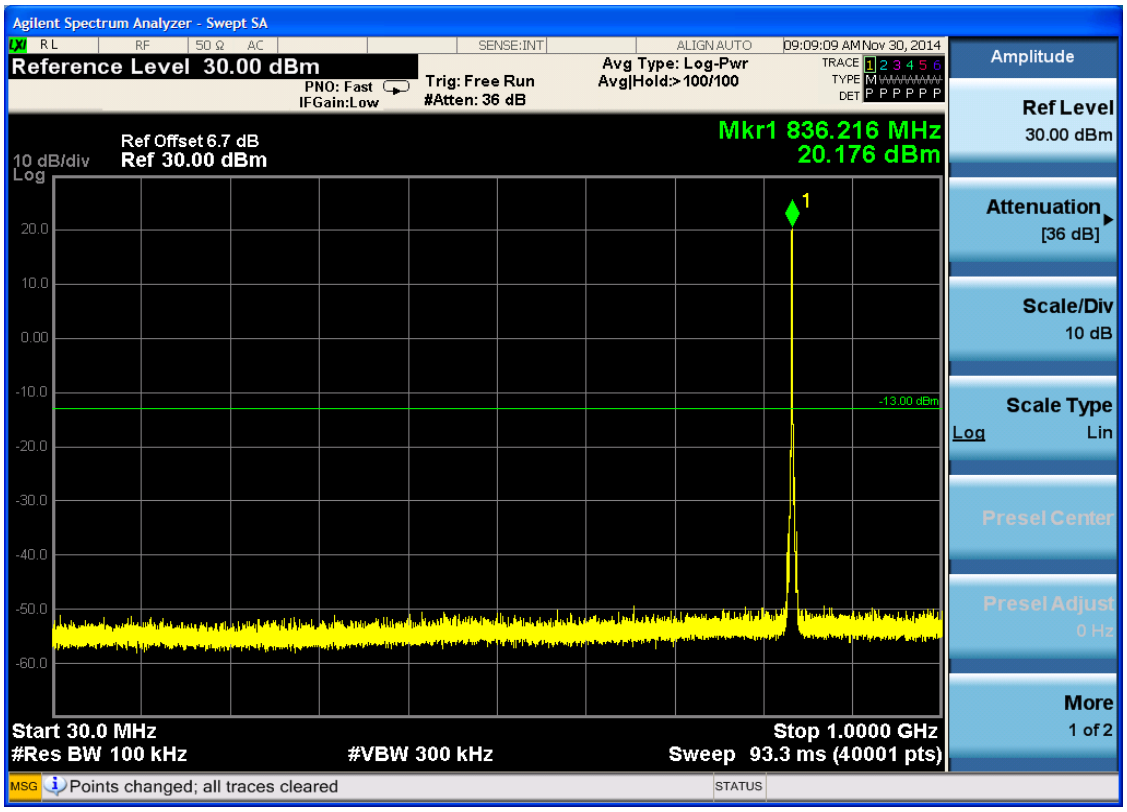

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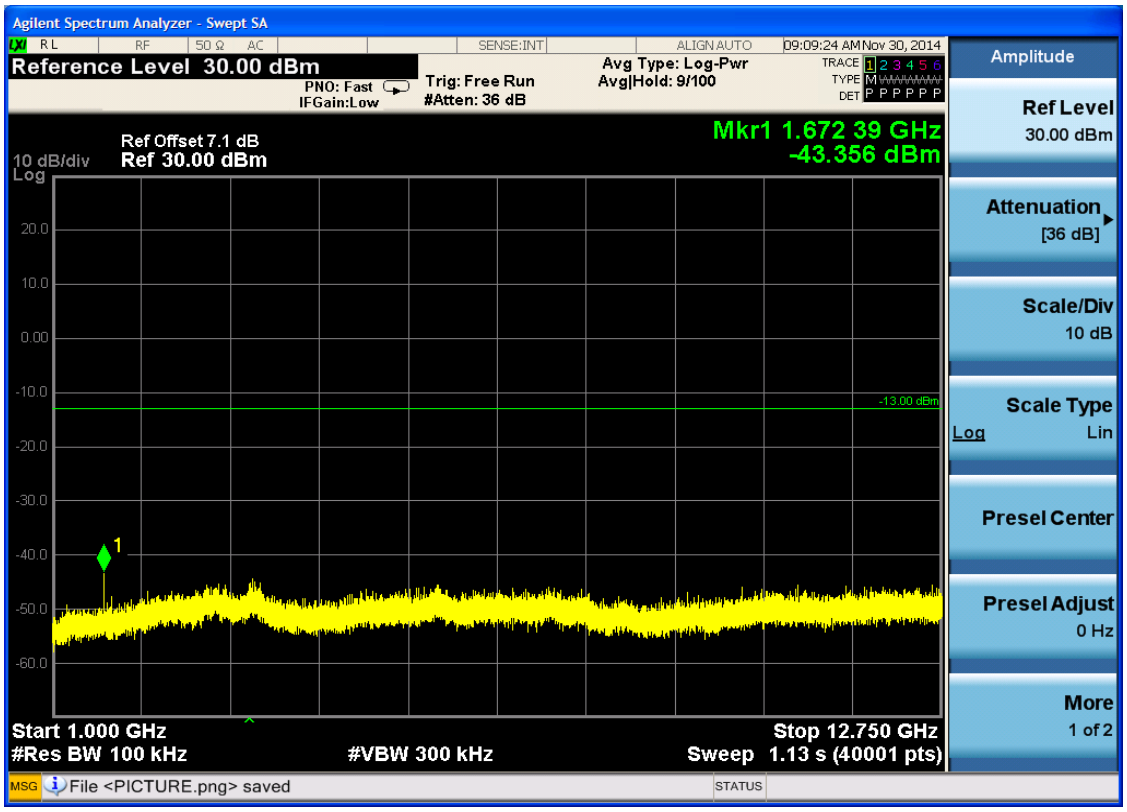

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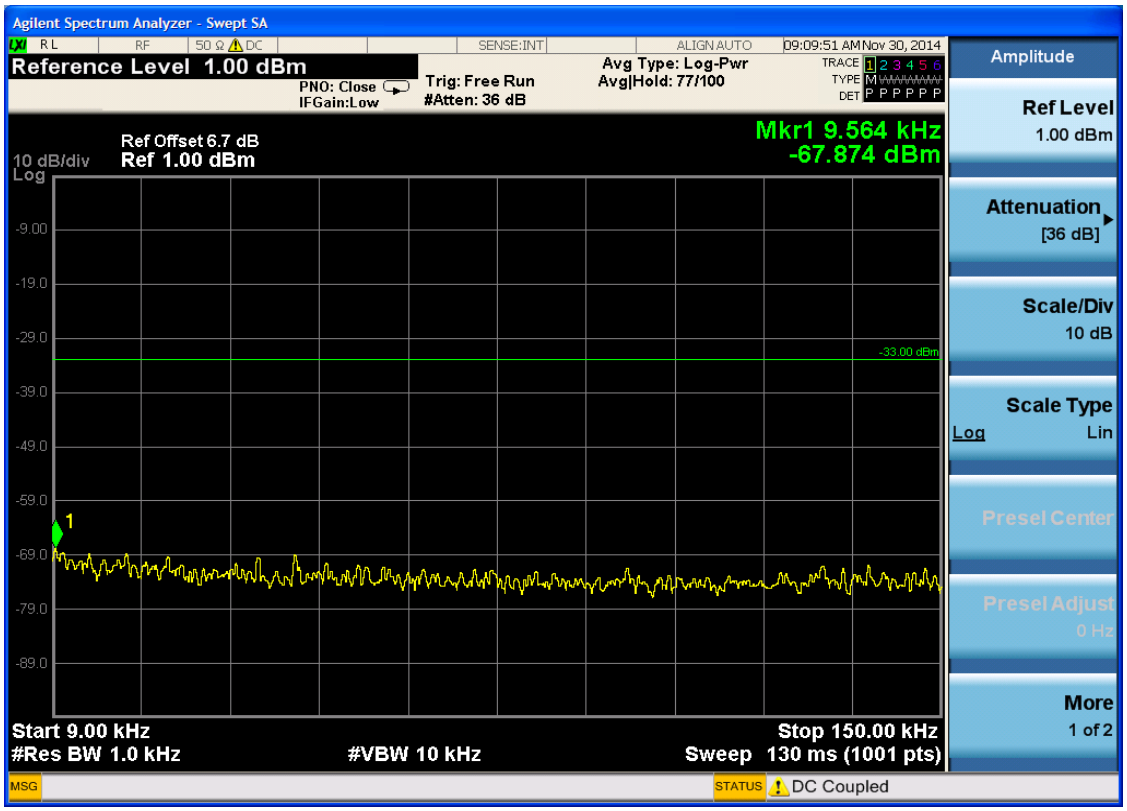
6.1.1.2.3 Test Channel = HCH



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