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/EIRP [dBm]	Limit [dBm]	Verdict
BC0	CDMA/1X/TM1	LCH	23.55	18.7	38.5	PASS
		MCH	23.75	18.9	38.5	PASS
		HCH	23.55	18.7	38.5	PASS
	CDMA/1X/TM3	LCH	23.61	18.76	38.5	PASS
		MCH	23.72	18.87	38.5	PASS
		HCH	23.51	18.66	38.5	PASS
BC0	CDMA/EV-DO/ Subtype0	LCH	23.46	18.61	38.5	PASS
		MCH	23.56	18.71	38.5	PASS
		HCH	23.28	18.43	38.5	PASS
	CDMA/EV-DO/ Subtype2	LCH	23.56	18.71	38.5	PASS
		MCH	23.59	18.74	38.5	PASS
		HCH	23.34	18.49	38.5	PASS
BC1	CDMA/1X/TM1	LCH	24.49	24.39	33	PASS

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Test Band	Test Mode	Test Channel	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
		MCH	24.65	24.55	33	PASS
		HCH	24.52	24.42	33	PASS
	CDMA/1X/TM3	LCH	24.49	24.39	33	PASS
		MCH	24.65	24.55	33	PASS
		HCH	24.54	24.44	33	PASS
BC1	CDMA/EV-DO/ Subtype0	LCH	23.96	23.86	33	PASS
		MCH	23.9	23.8	33	PASS
		HCH	23.76	23.66	33	PASS
	CDMA/EV-DO/ Subtype2	LCH	23.9	23.8	33	PASS
		MCH	23.89	23.79	33	PASS
		HCH	23.67	23.57	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,

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

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SET VBW>= 3*RBW

SET Sweep time=auto-couple.

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	3.35	13	PASS
		MCH	3.01	13	PASS
		HCH	2.96	13	PASS
	CDMA/1X/TM3	LCH	2.6	13	PASS
		MCH	2.71	13	PASS
		HCH	2.66	13	PASS
BC1	CDMA/EV-DO/Subtype0	LCH	3.34	13	PASS
		MCH	3.4	13	PASS
		HCH	3.41	13	PASS
	CDMA/EV-DO/Subtype2	LCH	4.06	13	PASS
		MCH	4.25	13	PASS
		HCH	4.32	13	PASS

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3Appendix_C: Modulation Characteristics

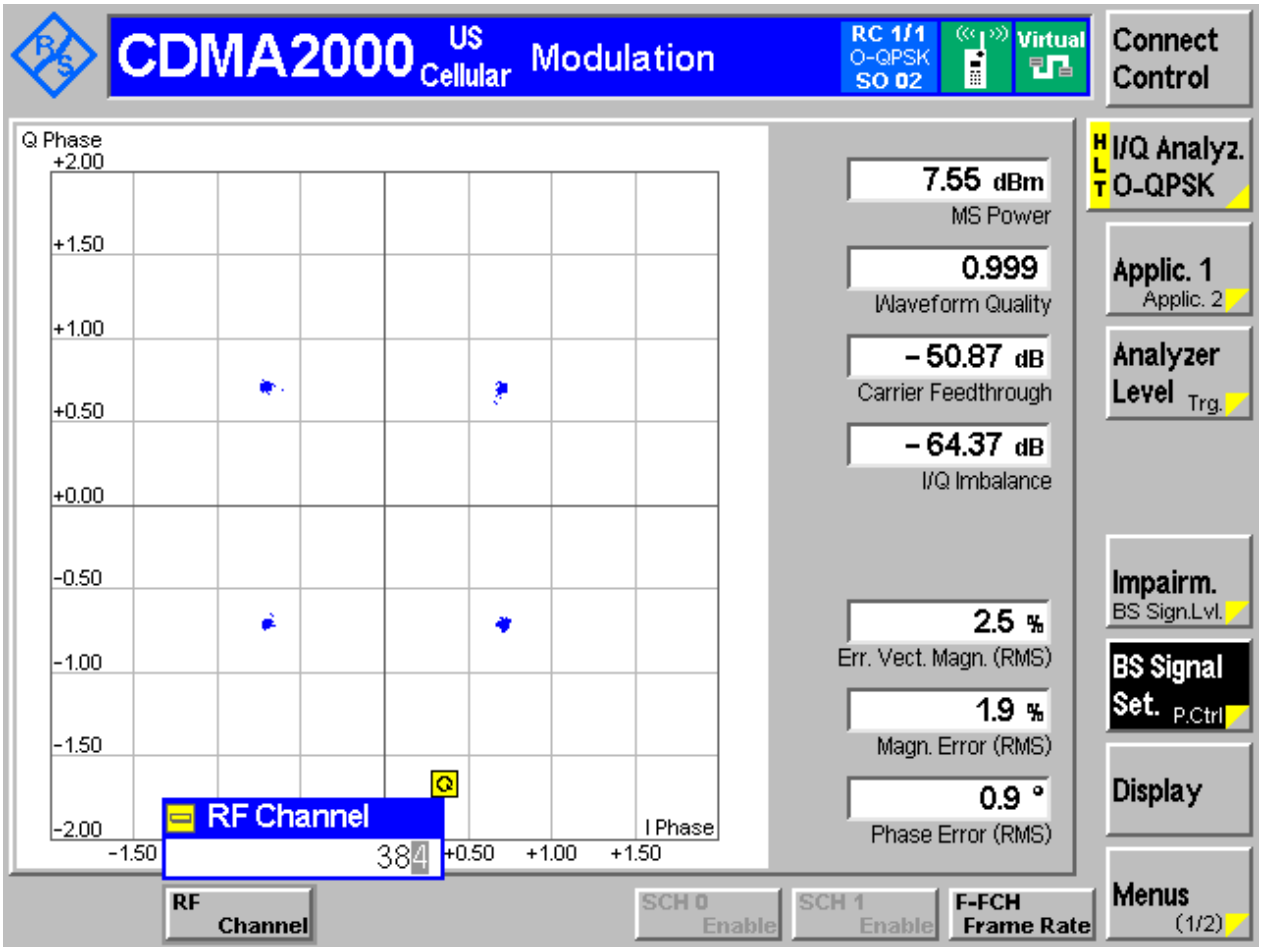
Part I - Test Plots

3.1 For CDMA

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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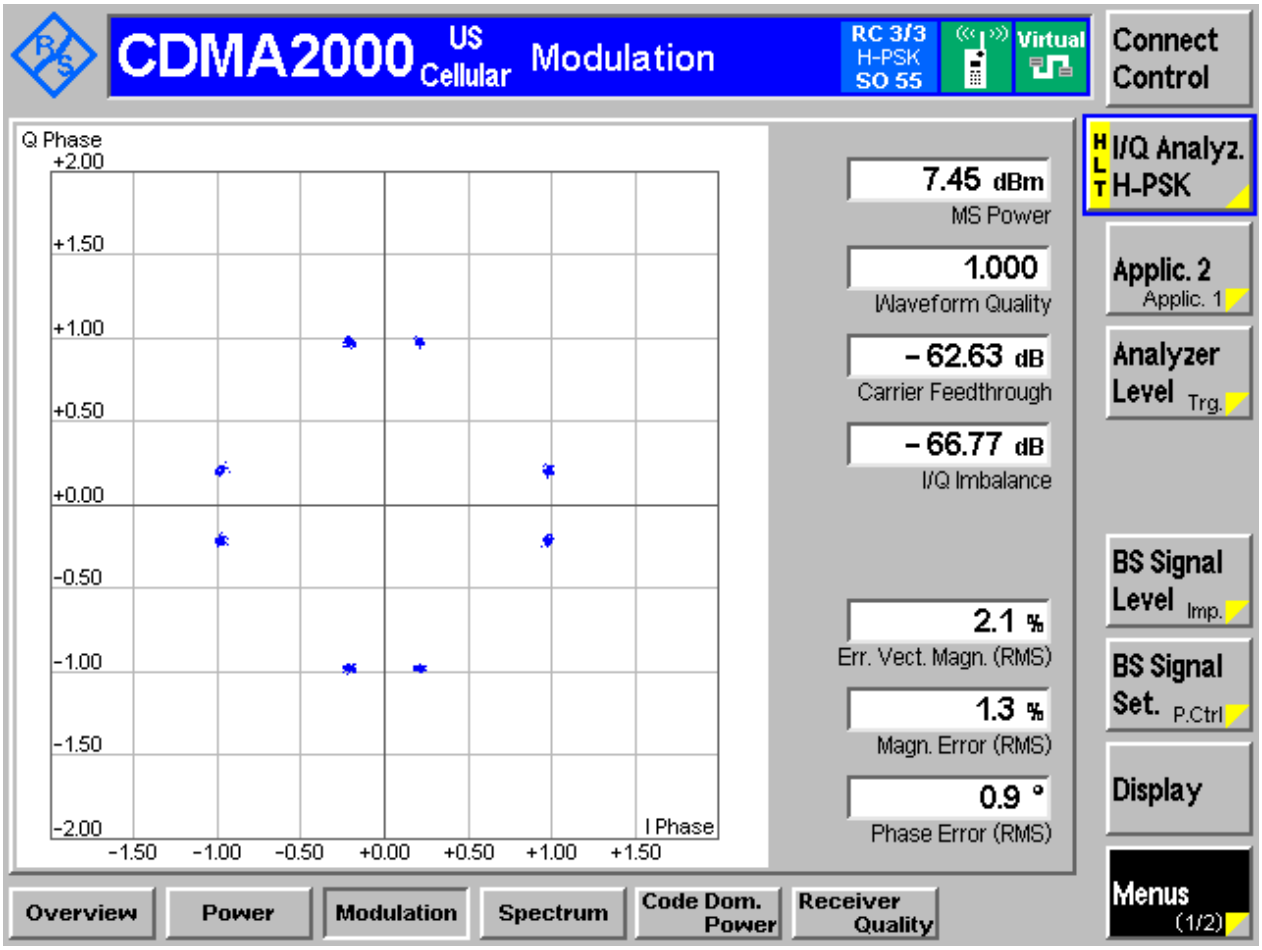
3.1.1.2 Test Mode = CDMA/1X/TM3

3.1.1.2.1 Test Channel = MCH



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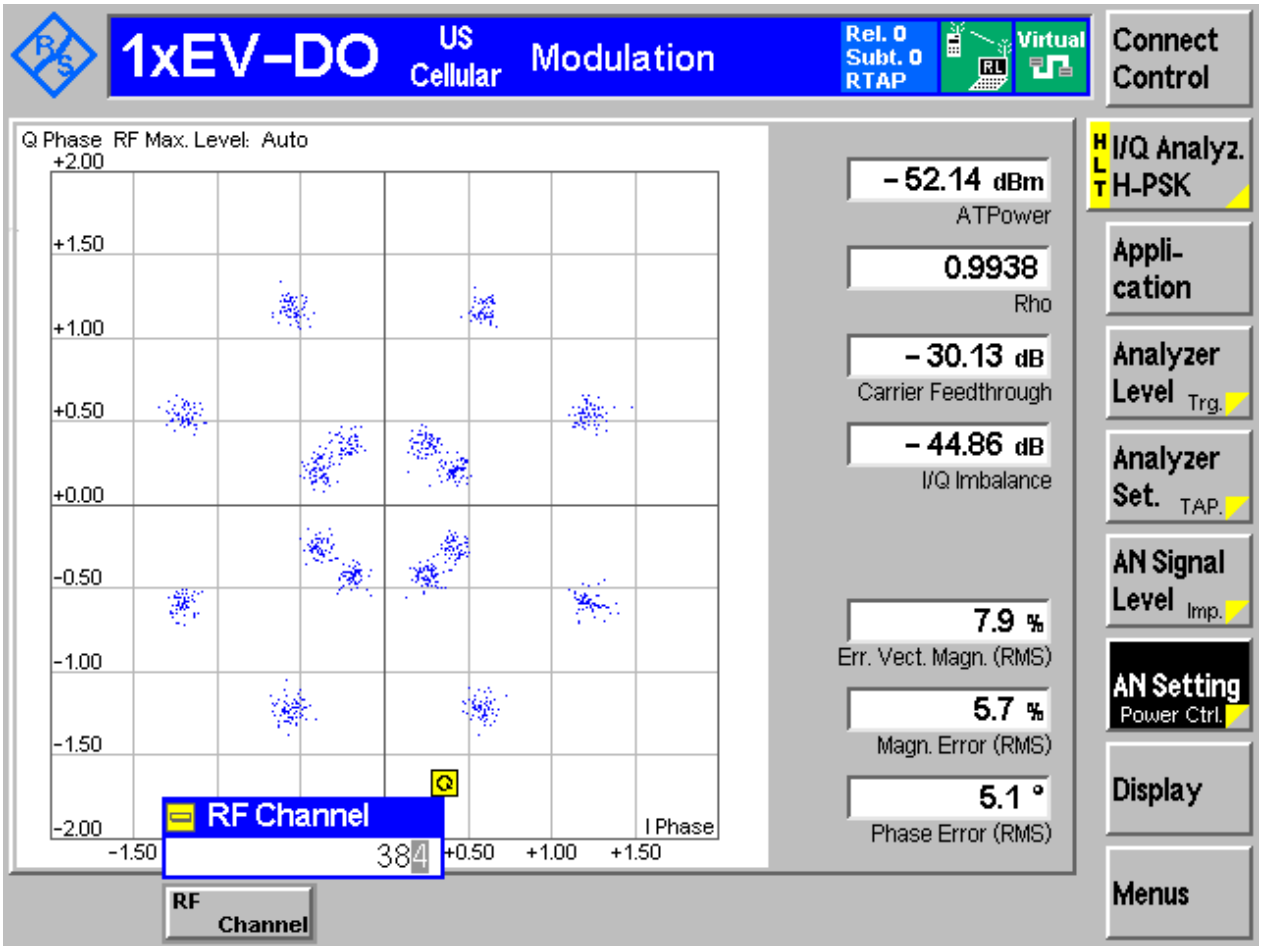
3.1.1.3 Test Mode = CDMA/EV-DO/Subtype0

3.1.1.3.1 Test Channel = MCH



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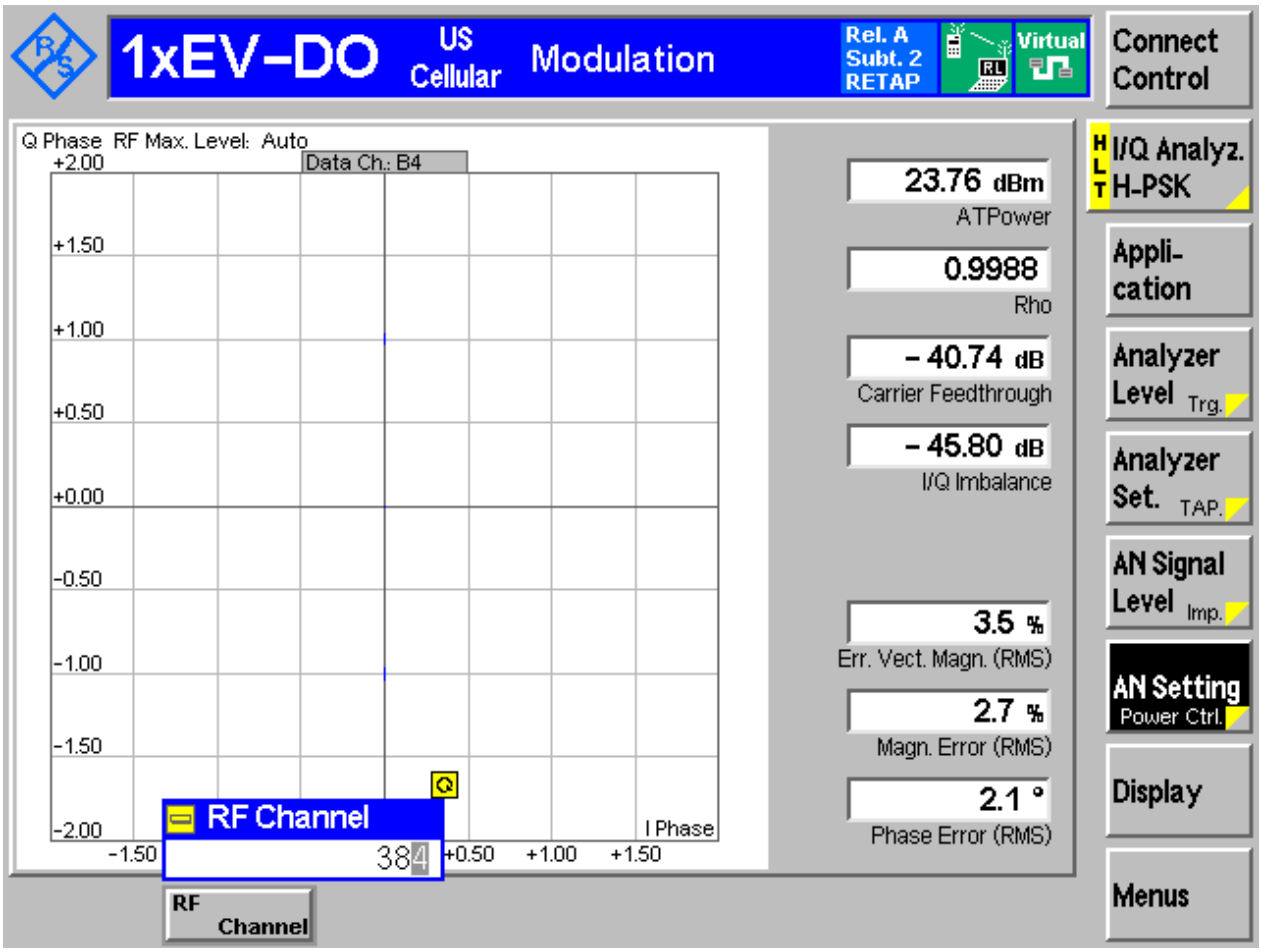
3.1.1.4 Test Mode = CDMA/EV-DO/Subtype2/256

3.1.1.4.1 Test Channel = MCH



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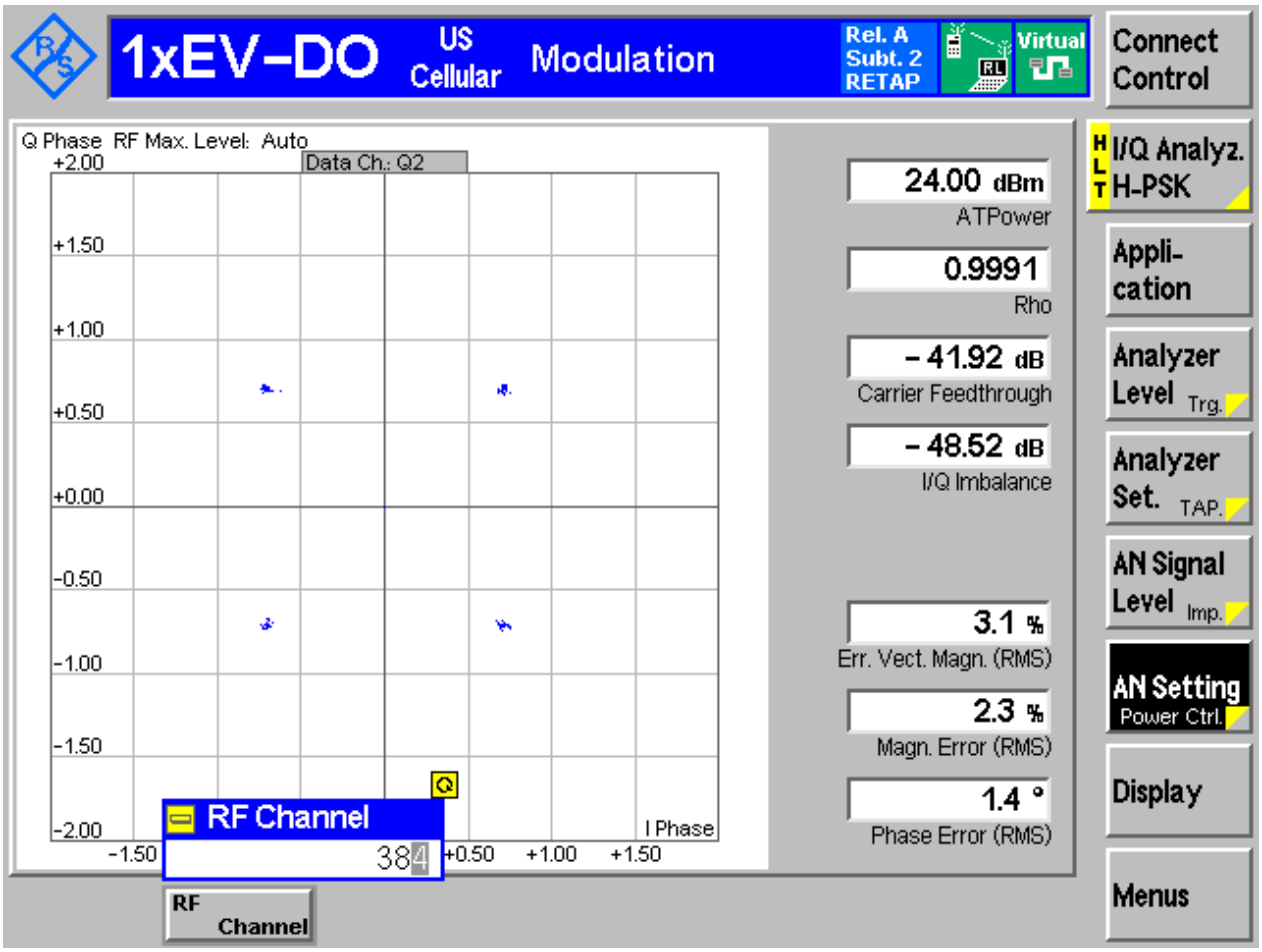
3.1.1.5 Test Mode = CDMA/EV-DO/Subtype2/4096

3.1.1.5.1 Test Channel = MCH



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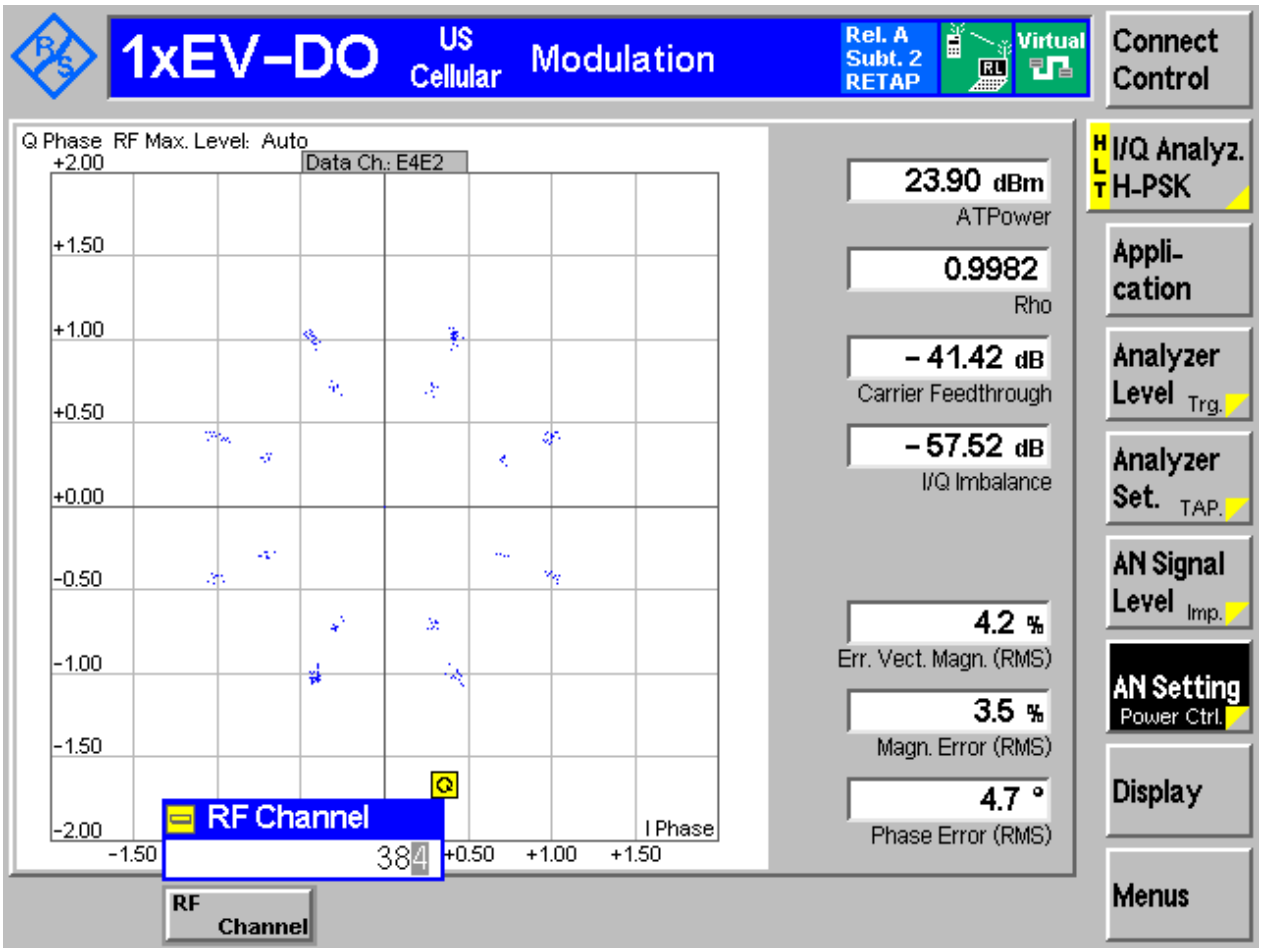
3.1.1.6 Test Mode = CDMA/EV-DO/Subtype2/12288

3.1.1.6.1 Test Channel = MCH



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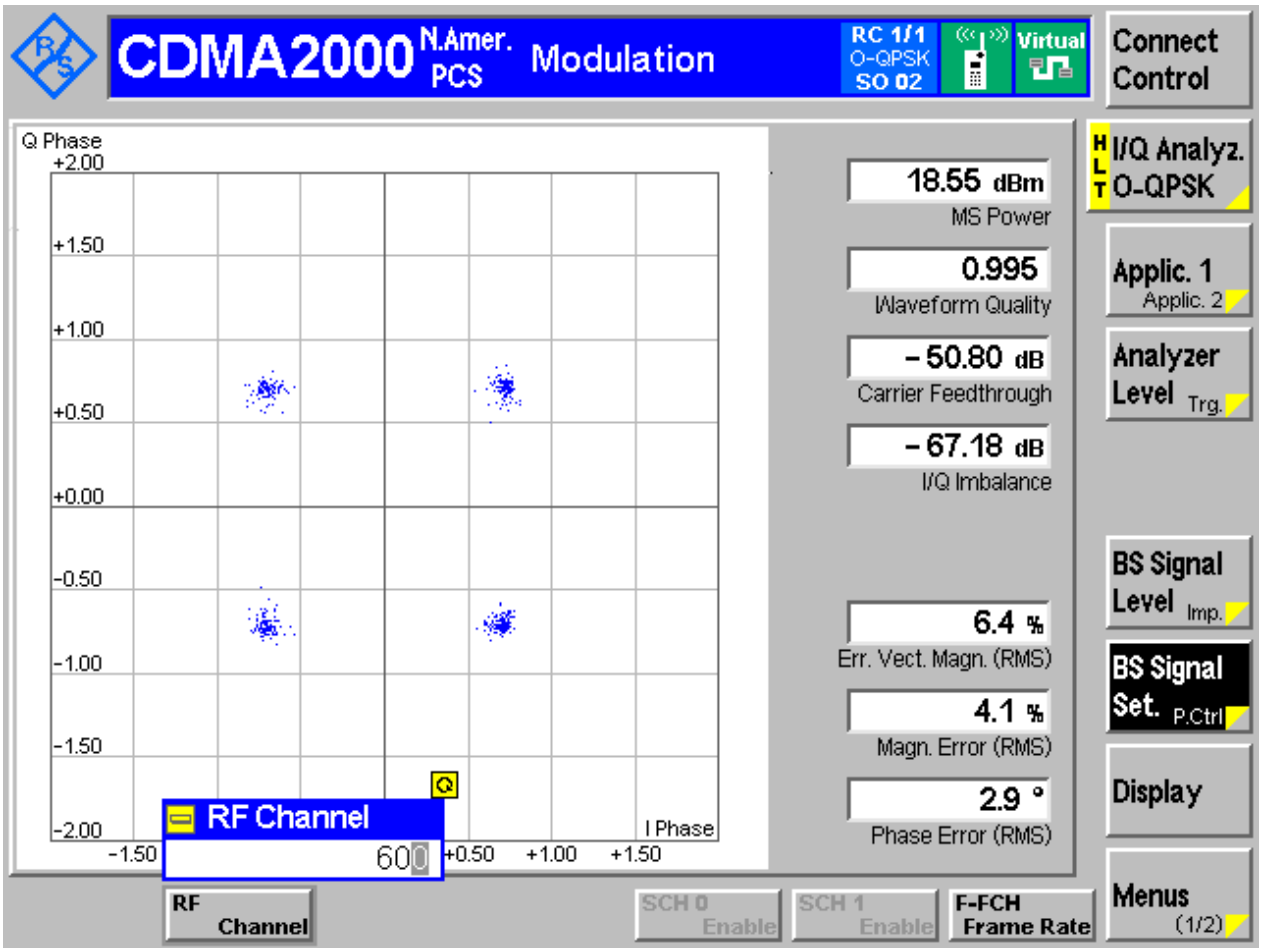
3.1.2 Test Band = BC1

3.1.2.1 Test Mode = CDMA/1X/TM1

3.1.2.2.1 Test Channel = MCH



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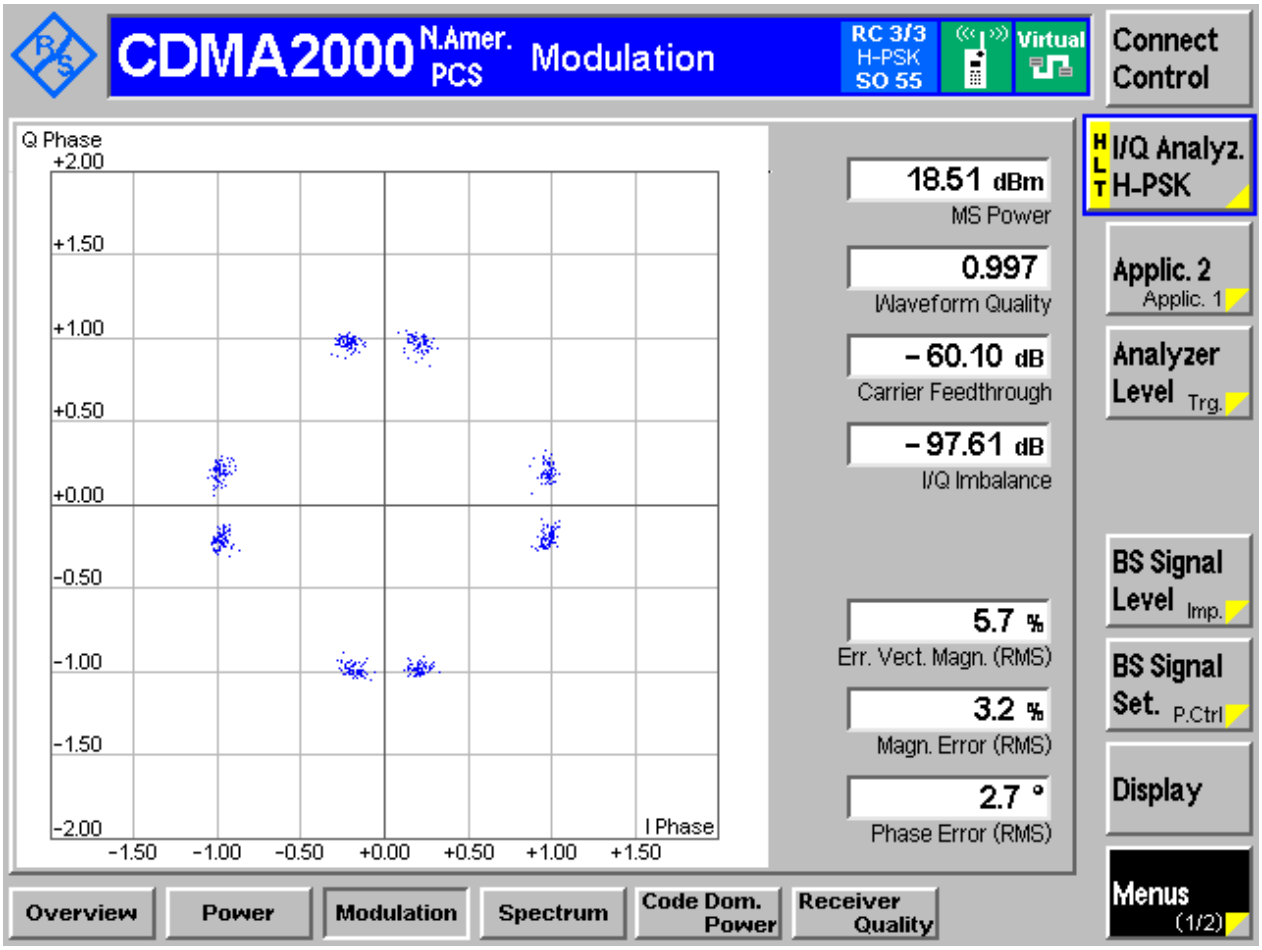
3.1.2.2 Test Mode = CDMA/1X/TM3

3.1.2.2.1 Test Channel = MCH



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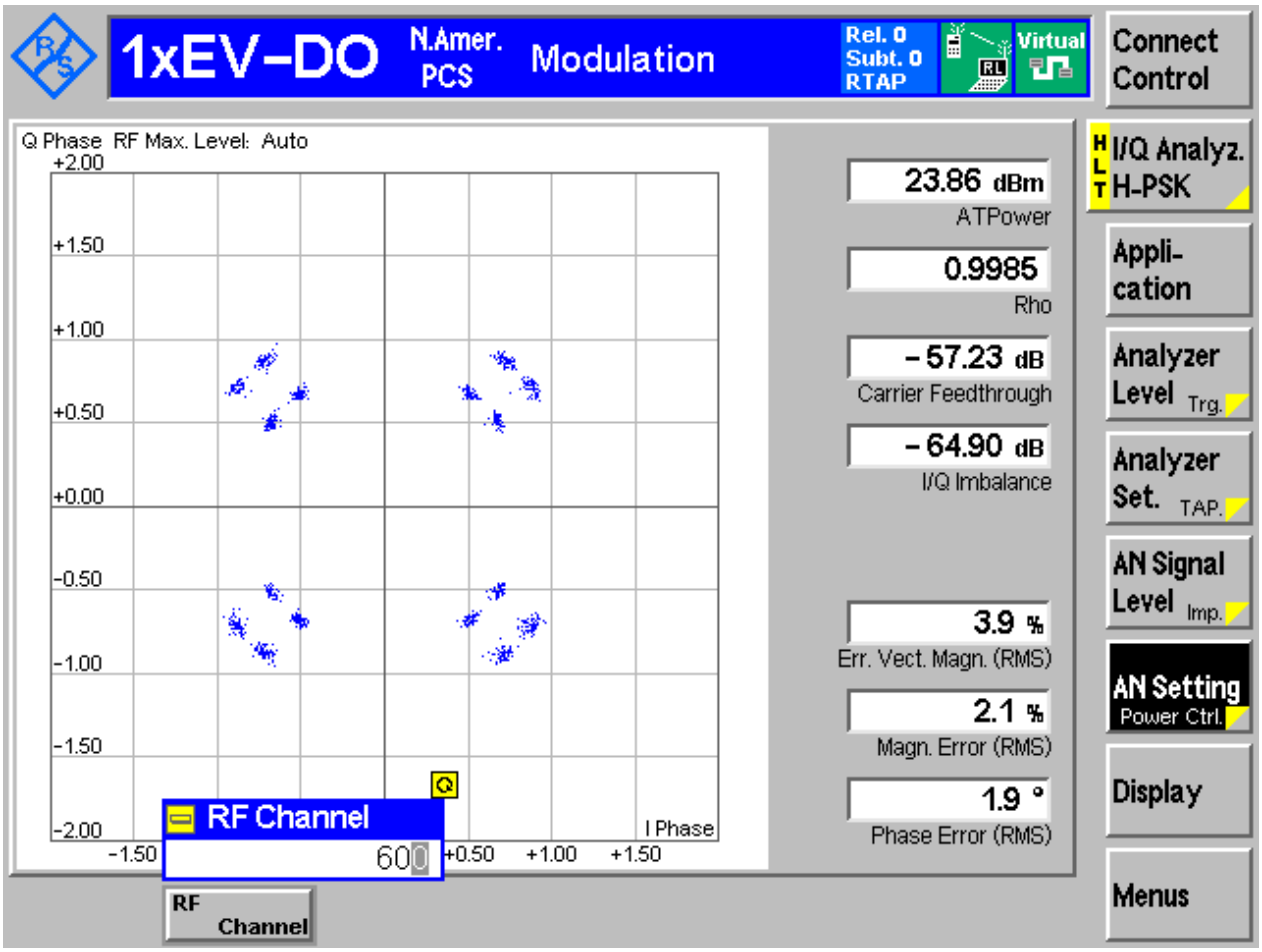
3.1.2.3 Test Mode = CDMA/EV-DO/Subtype0

3.1.2.3.1 Test Channel = MCH



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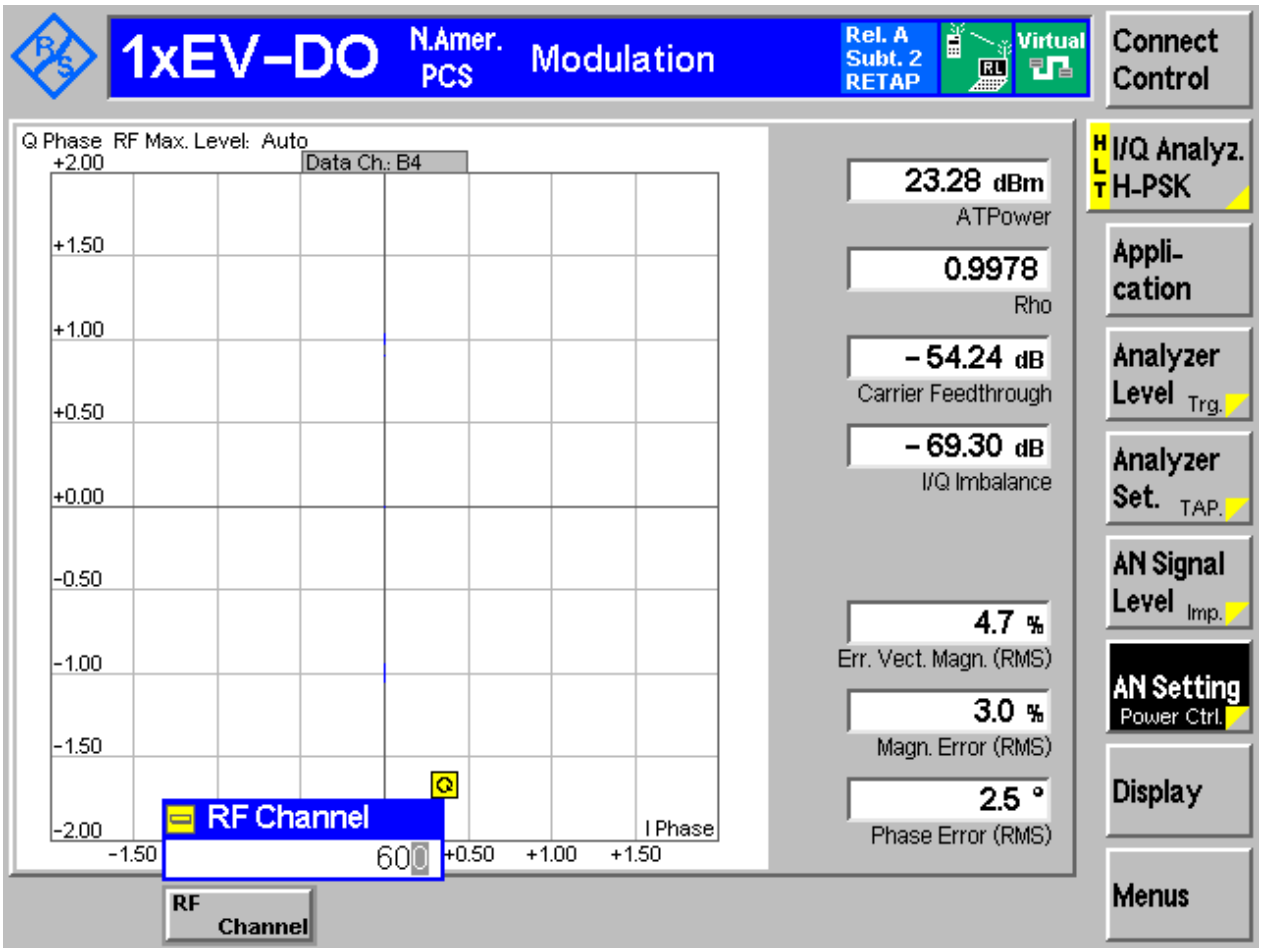
3.1.2.4 Test Mode = CDMA/EV-DO/Subtype2/256

3.1.2.4.1 Test Channel = MCH



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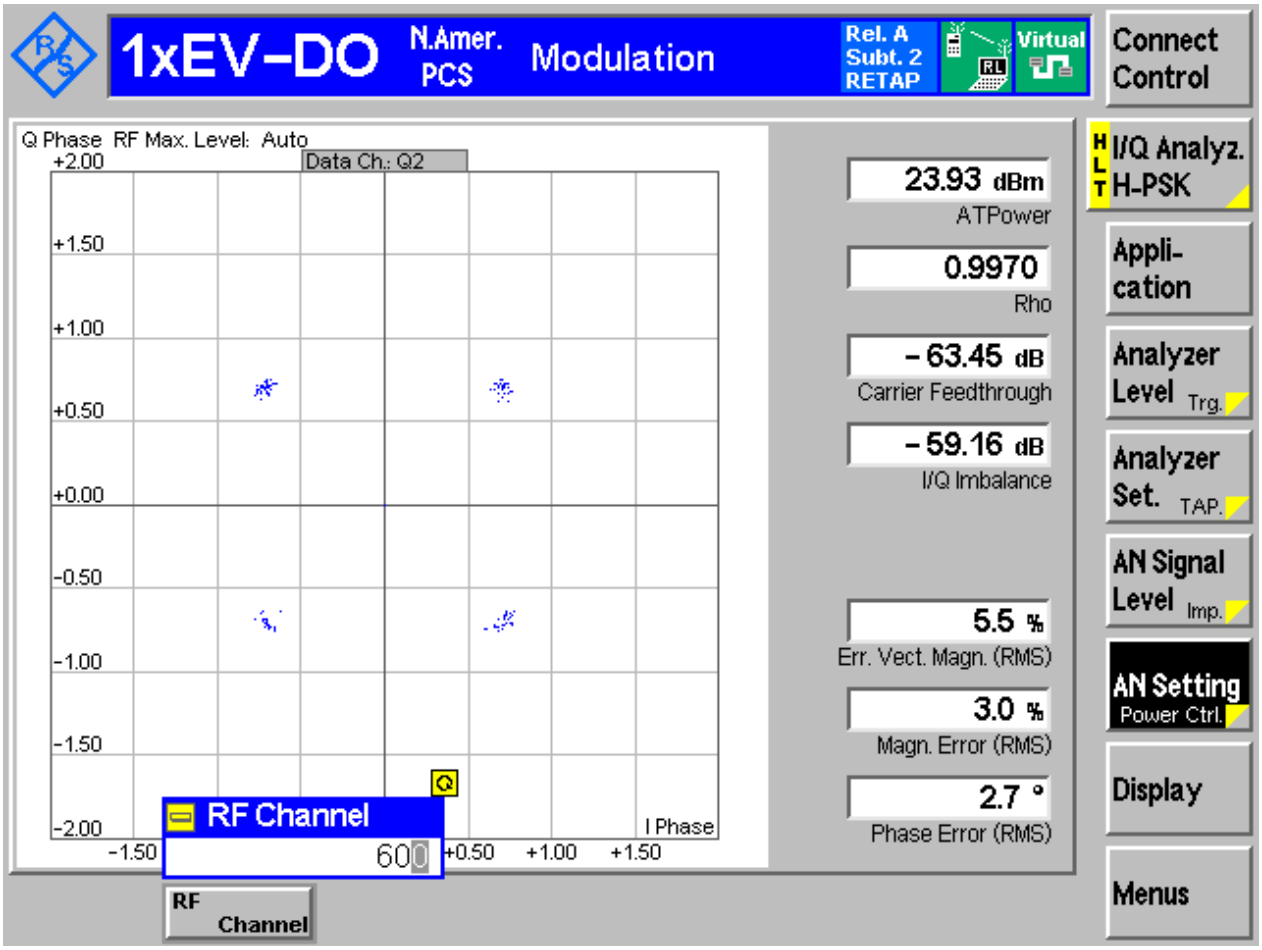
3.1.2.5 Test Mode = CDMA/EV-DO/Subtype2/4096

3.1.2.5.1 Test Channel = MCH



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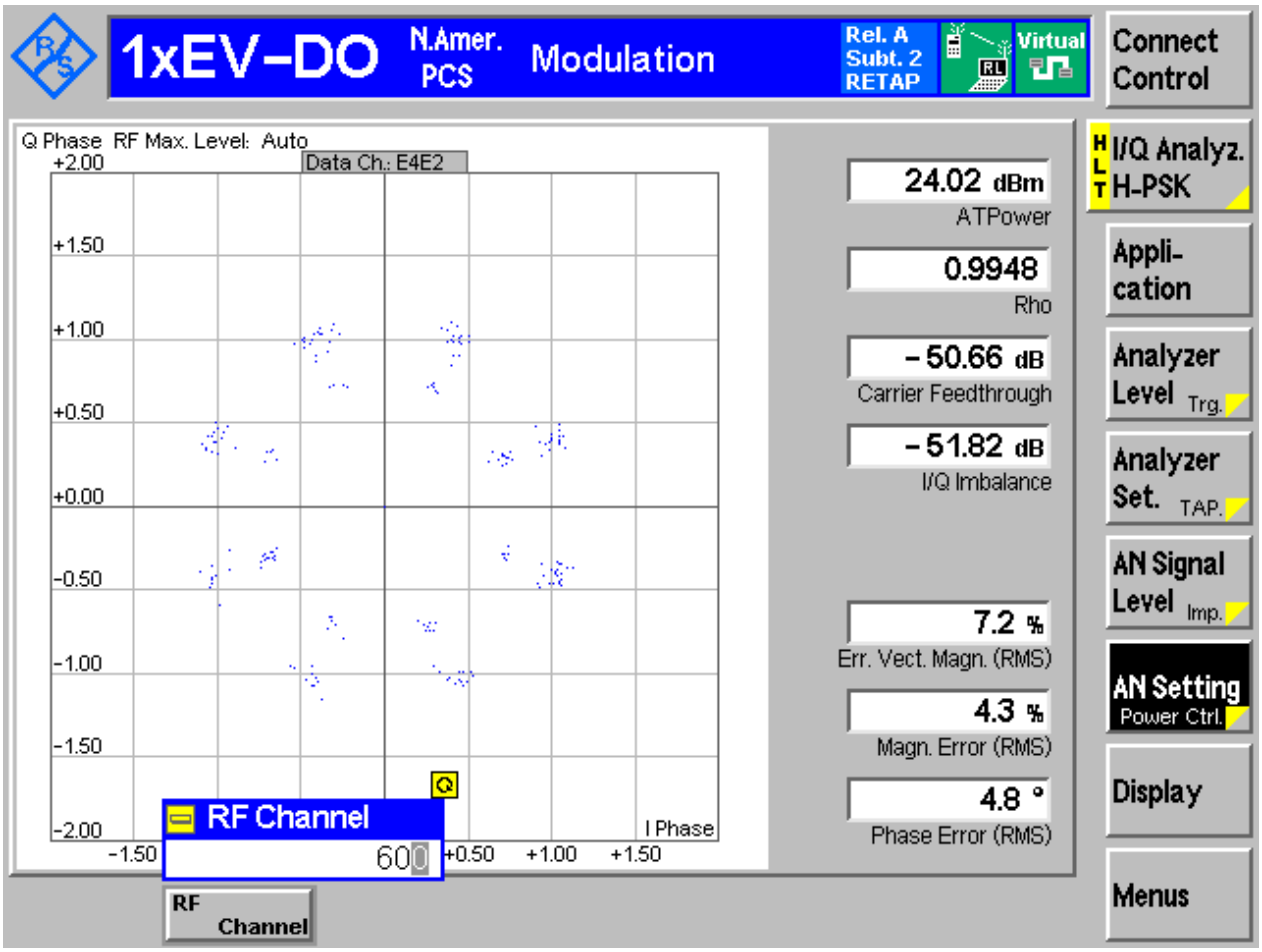
3.1.2.6 Test Mode = CDMA/EV-DO/Subtype2/12288

3.1.2.6.1 Test Channel = MCH



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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	1.47	Pass
		MCH	1.30	1.46	Pass
		HCH	1.30	1.46	Pass
	CDMA/1X/TM3	LCH	1.28	1.45	Pass
		MCH	1.28	1.46	Pass
		HCH	1.28	1.45	Pass
BC0	CDMA/EV-DO/Subtype0	LCH	1.28	1.45	Pass
		MCH	1.29	1.45	Pass
		HCH	1.28	1.44	Pass
	CDMA/EV-DO/Subtype2/256	LCH	1.28	1.45	Pass
		MCH	1.28	1.46	Pass
		HCH	1.28	1.47	Pass
	CDMA/EV-DO/Subtype2/4096	LCH	1.28	1.45	Pass
		MCH	1.28	1.45	Pass
		HCH	1.28	1.46	Pass
	CDMA/EV-DO/Subtype2/12288	LCH	1.28	1.45	Pass
		MCH	1.29	1.45	Pass
		HCH	1.29	1.46	Pass
BC1	CDMA/1X/TM1	LCH	1.31	1.52	Pass
		MCH	1.31	1.50	Pass
		HCH	1.32	1.65	Pass
	CDMA/1X/TM3	LCH	1.29	1.46	Pass
		MCH	1.29	1.47	Pass
		HCH	1.29	1.49	Pass
BC1	CDMA/EV-DO/Subtype0	LCH	1.29	1.46	Pass
		MCH	1.29	1.46	Pass
		HCH	1.29	1.46	Pass
	CDMA/EV-DO/Subtype2/256	LCH	1.32	2.15	Pass
		MCH	1.30	2.08	Pass
		HCH	1.32	2.26	Pass
	CDMA/EV-DO/Subtype2/4096	LCH	1.32	2.20	Pass
		MCH	1.30	1.83	Pass

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Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		HCH	1.32	1.94	Pass
	CDMA/EV-DO/Subtype2/12288	LCH	1.33	2.29	Pass
		MCH	1.30	2.02	Pass
		HCH	1.31	2.13	Pass

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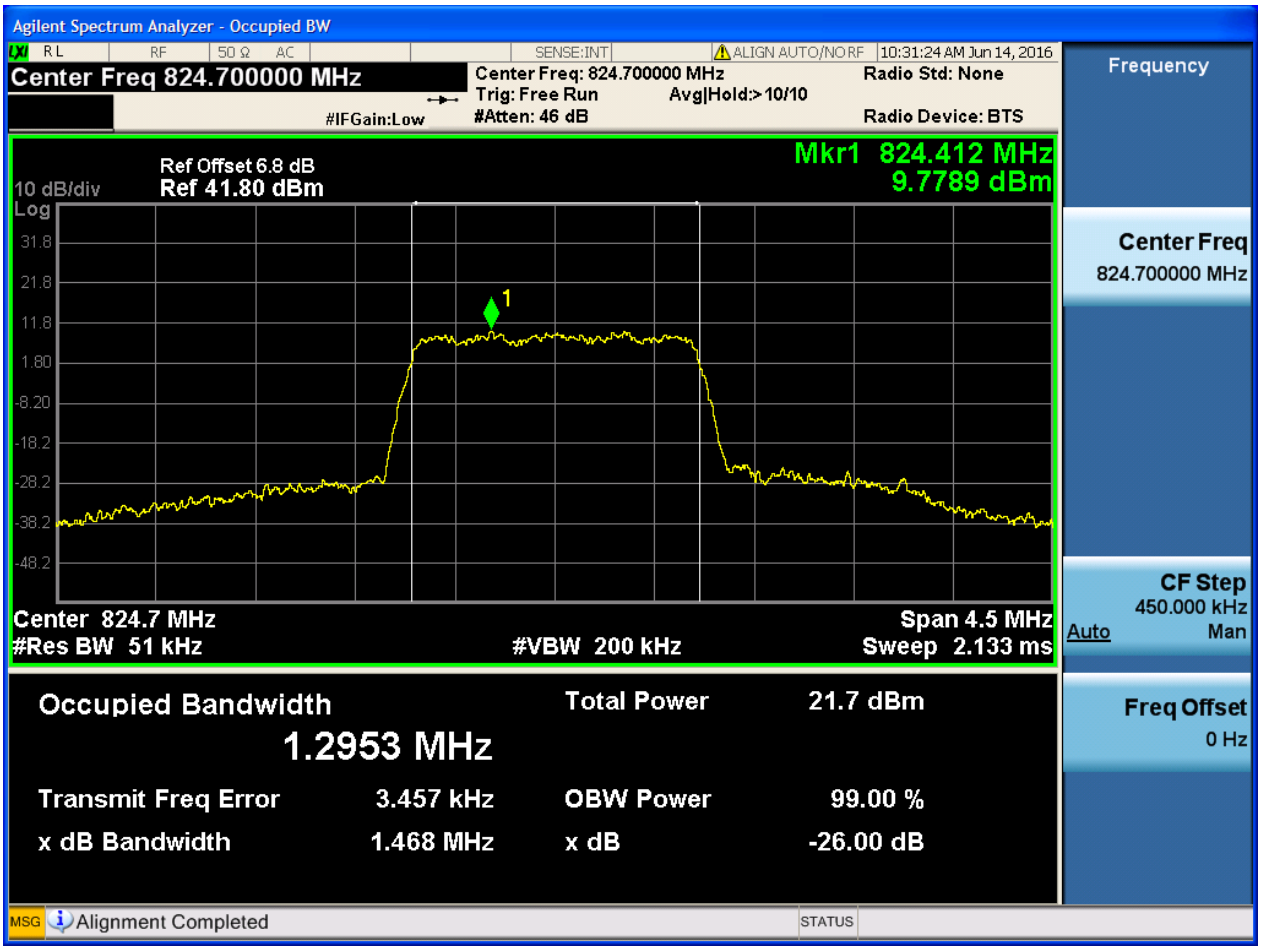
Part II - Test Plots

4.1 For CDMA

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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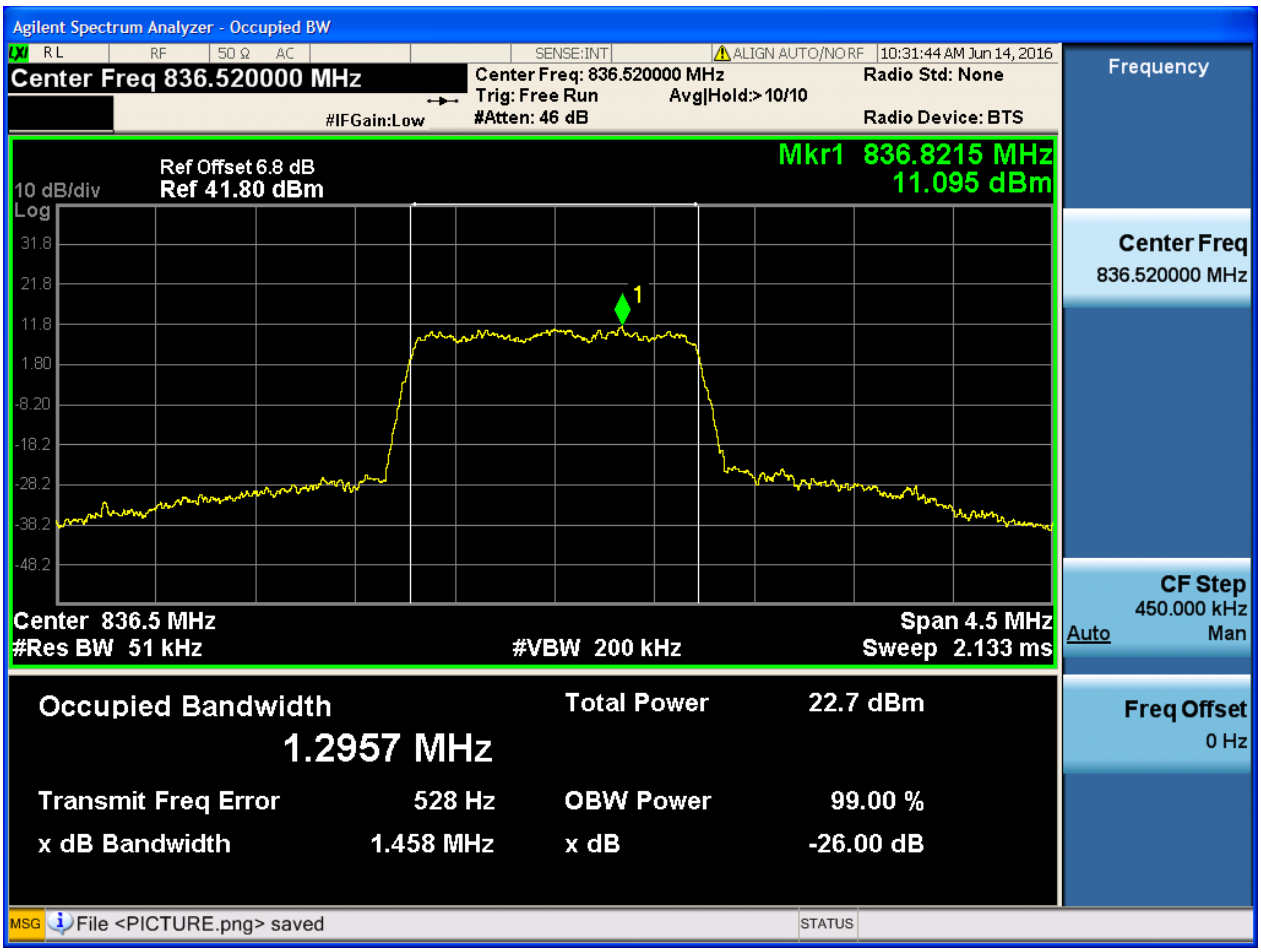
4.1.1.1.2 Test Channel = MCH



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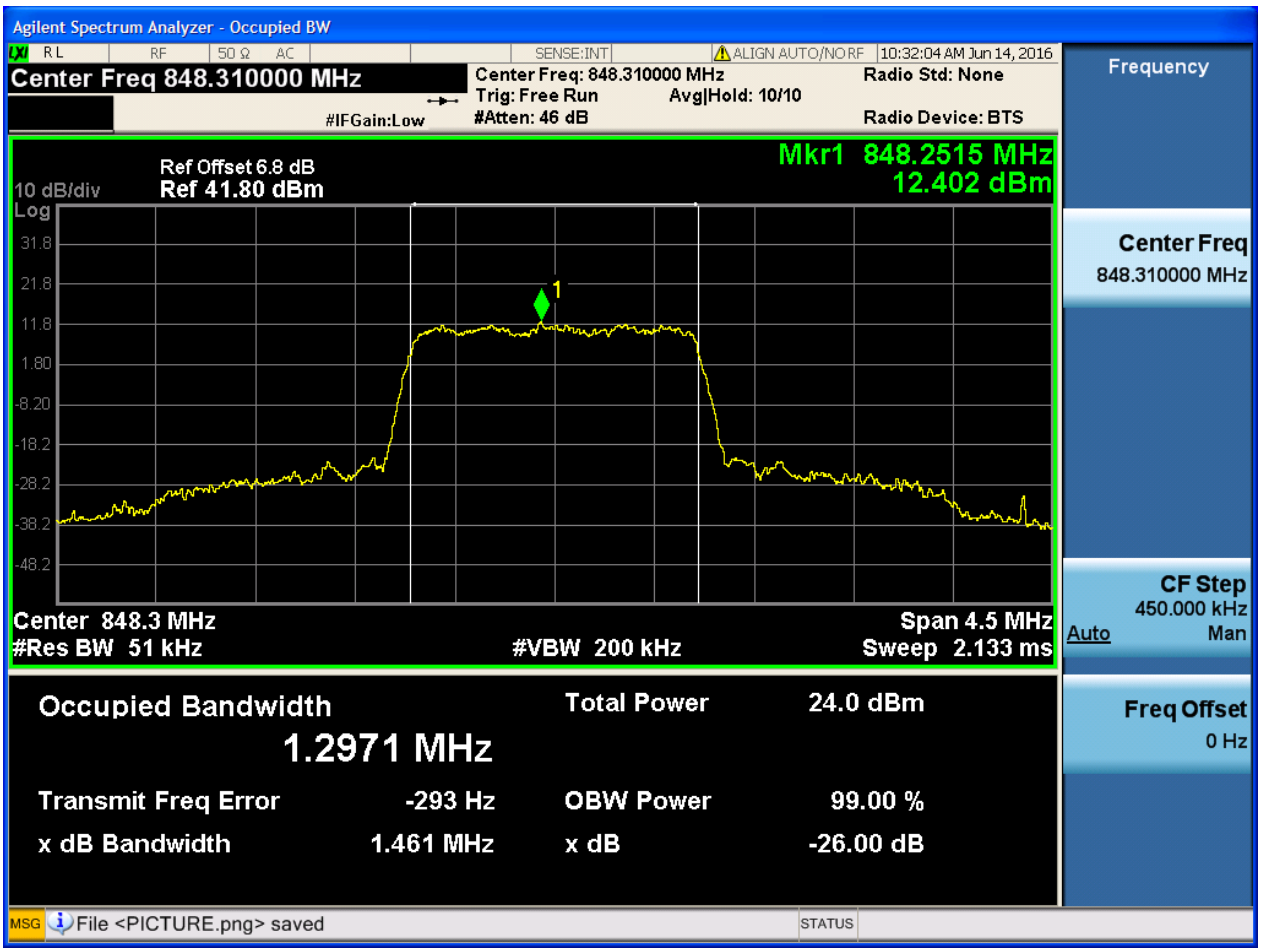
4.1.1.1.3 Test Channel = HCH



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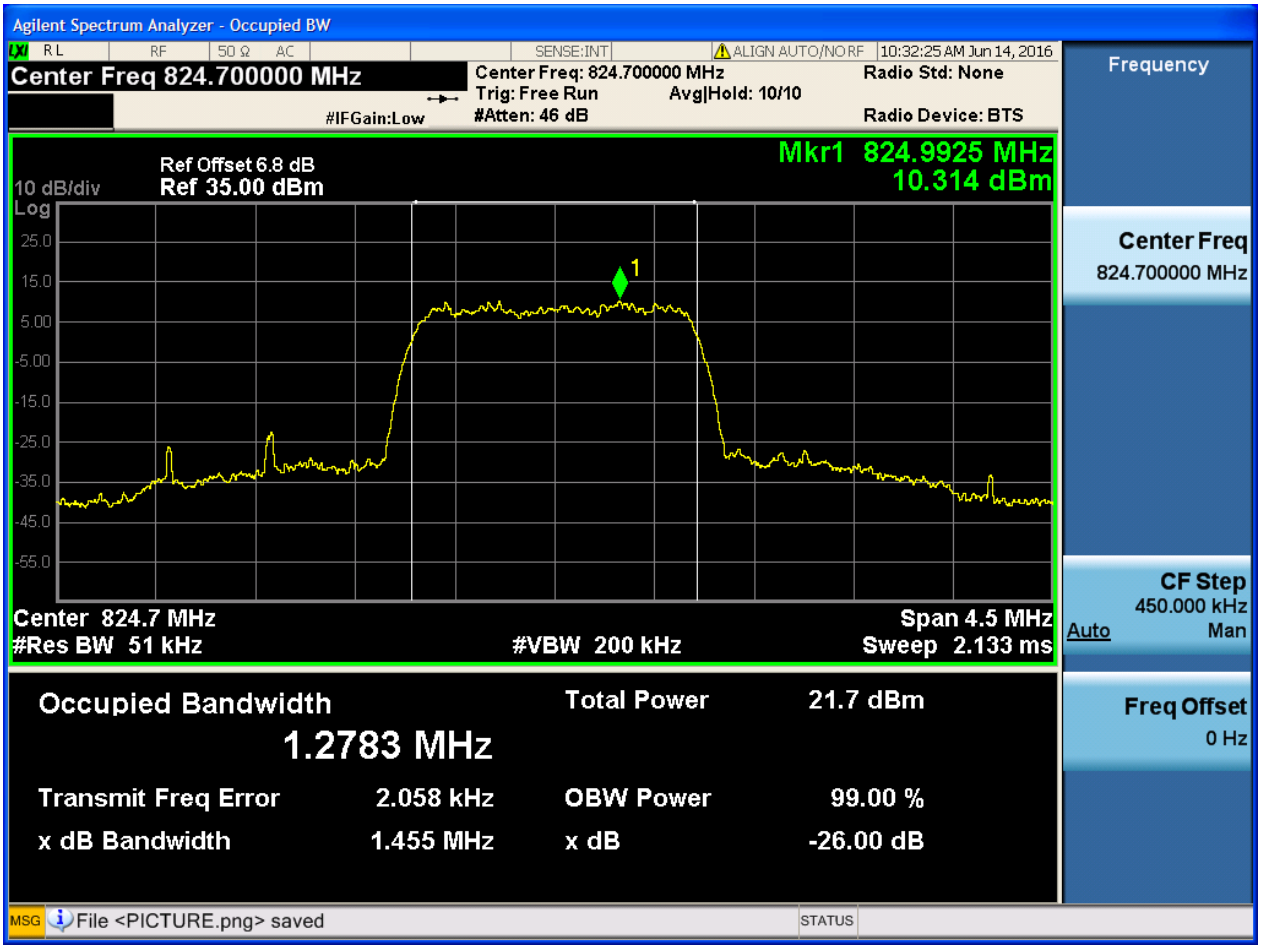
4.1.1.2 Test Mode = CDMA/1X/TM3

4.1.1.2.1 Test Channel = LCH



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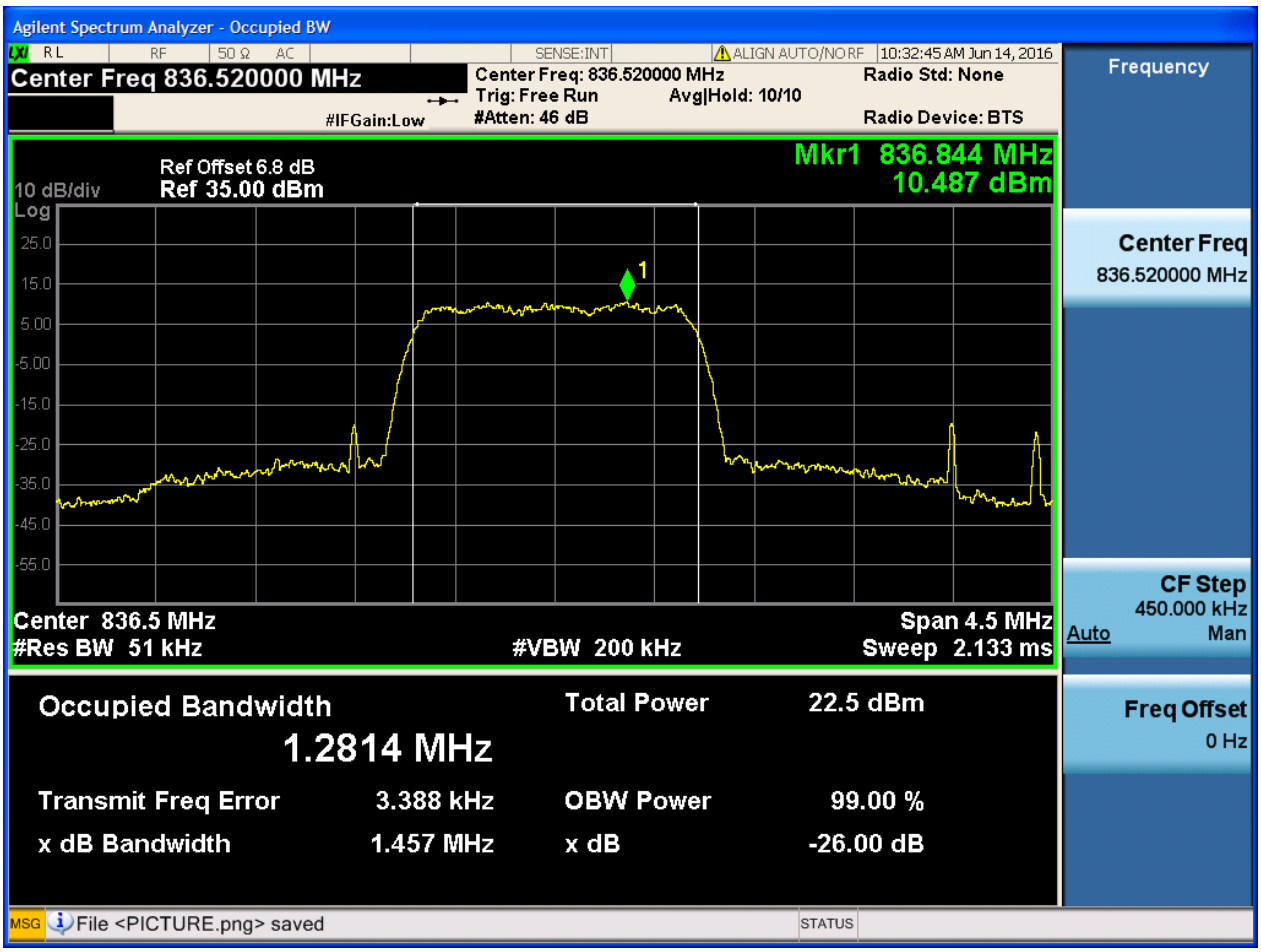
4.1.1.2.2 Test Channel = MCH



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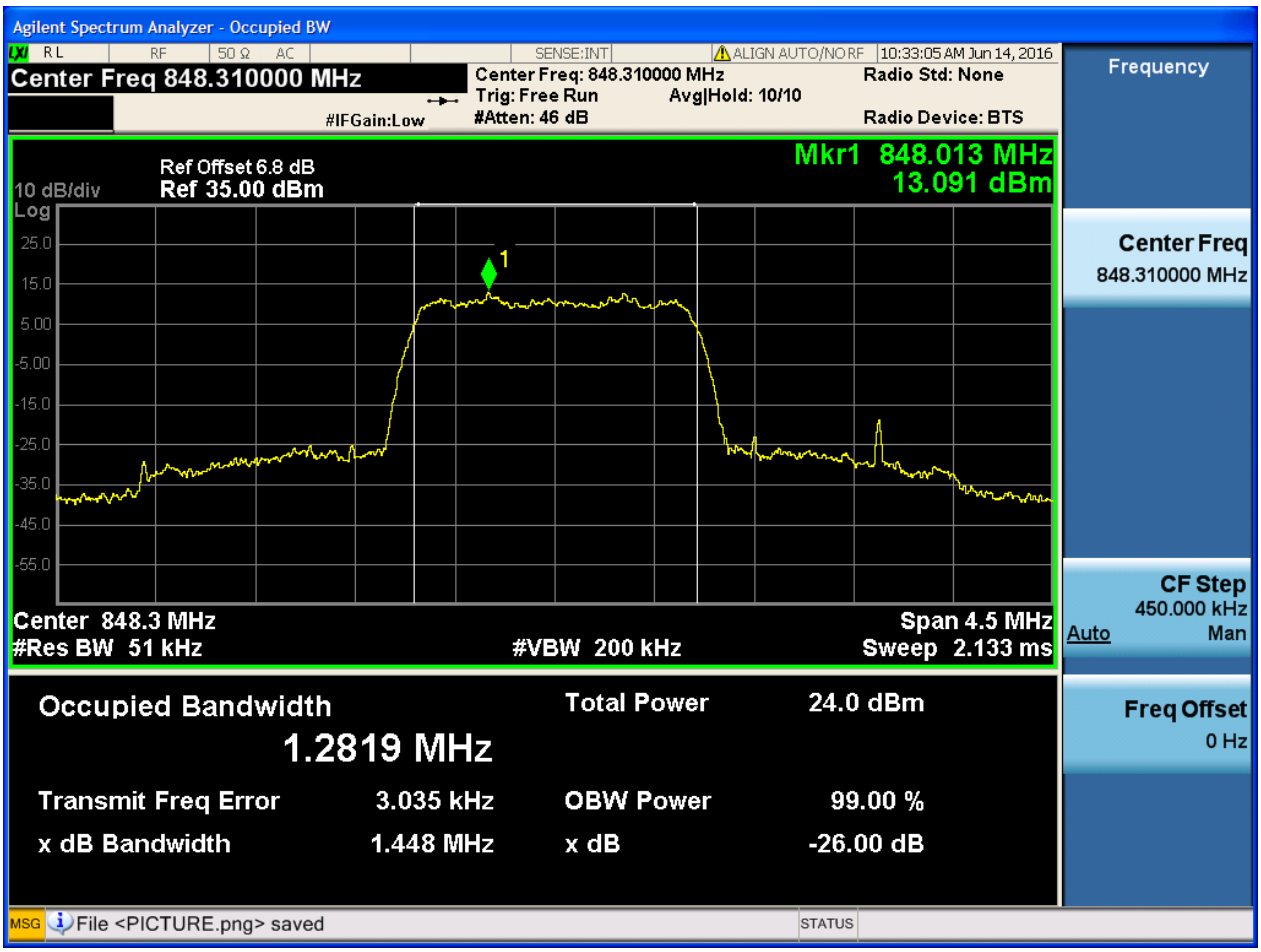
4.1.1.2.3 Test Channel = HCH



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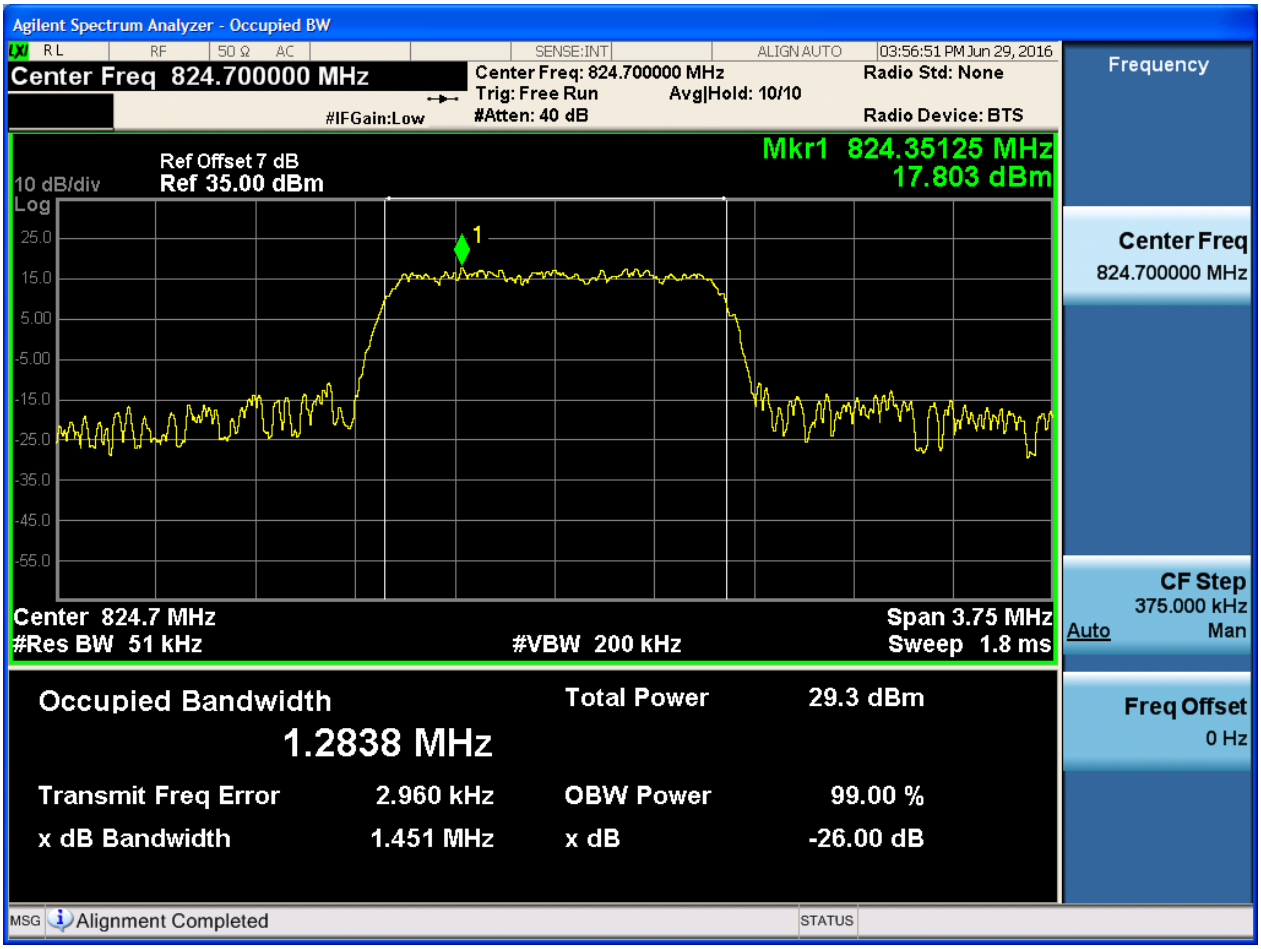
4.1.1.3 Test Mode = CDMA/EV-DO/Subtype0

4.1.1.3.1 Test Channel = LCH



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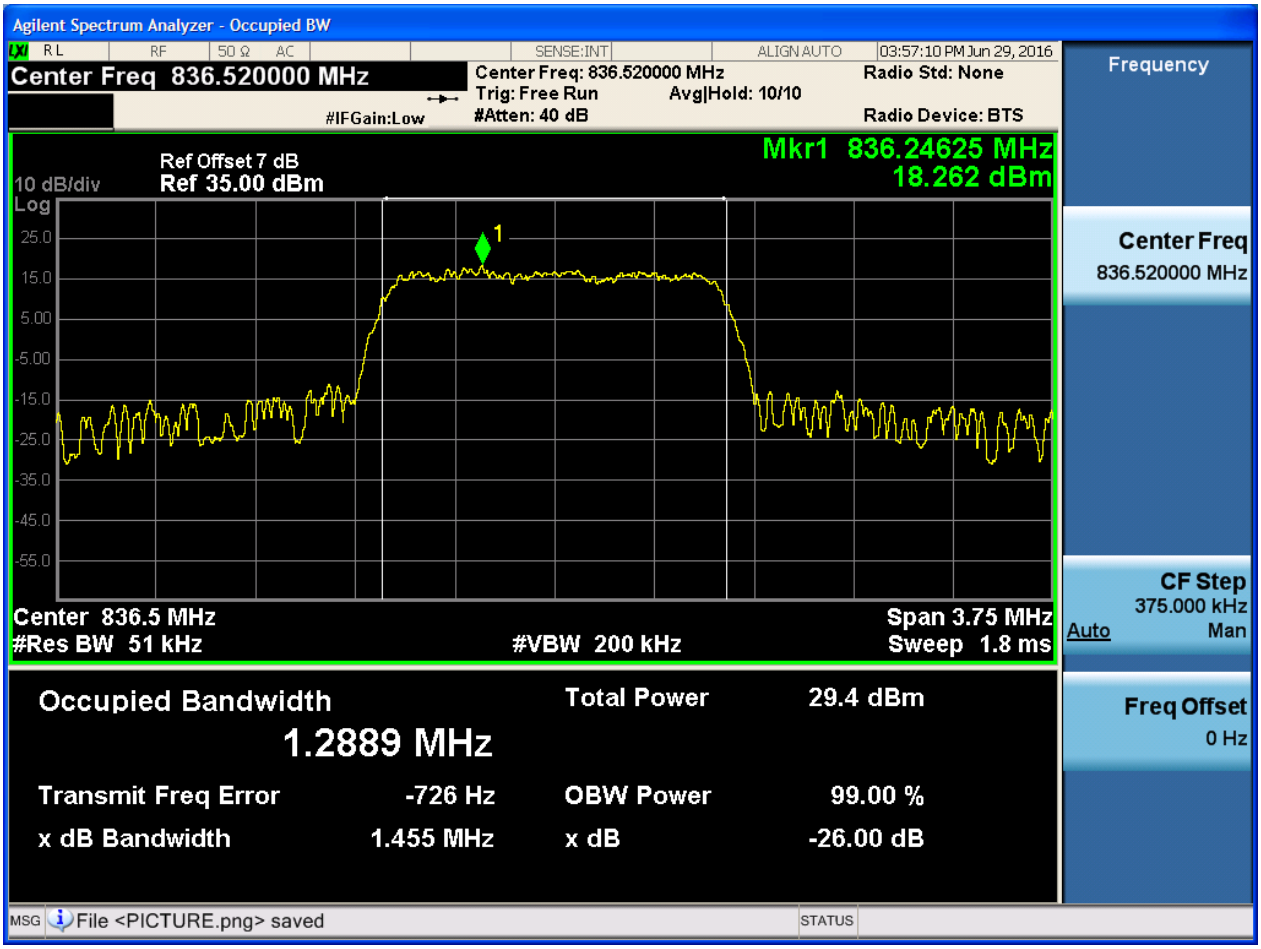
4.1.1.3.2 Test Channel = MCH



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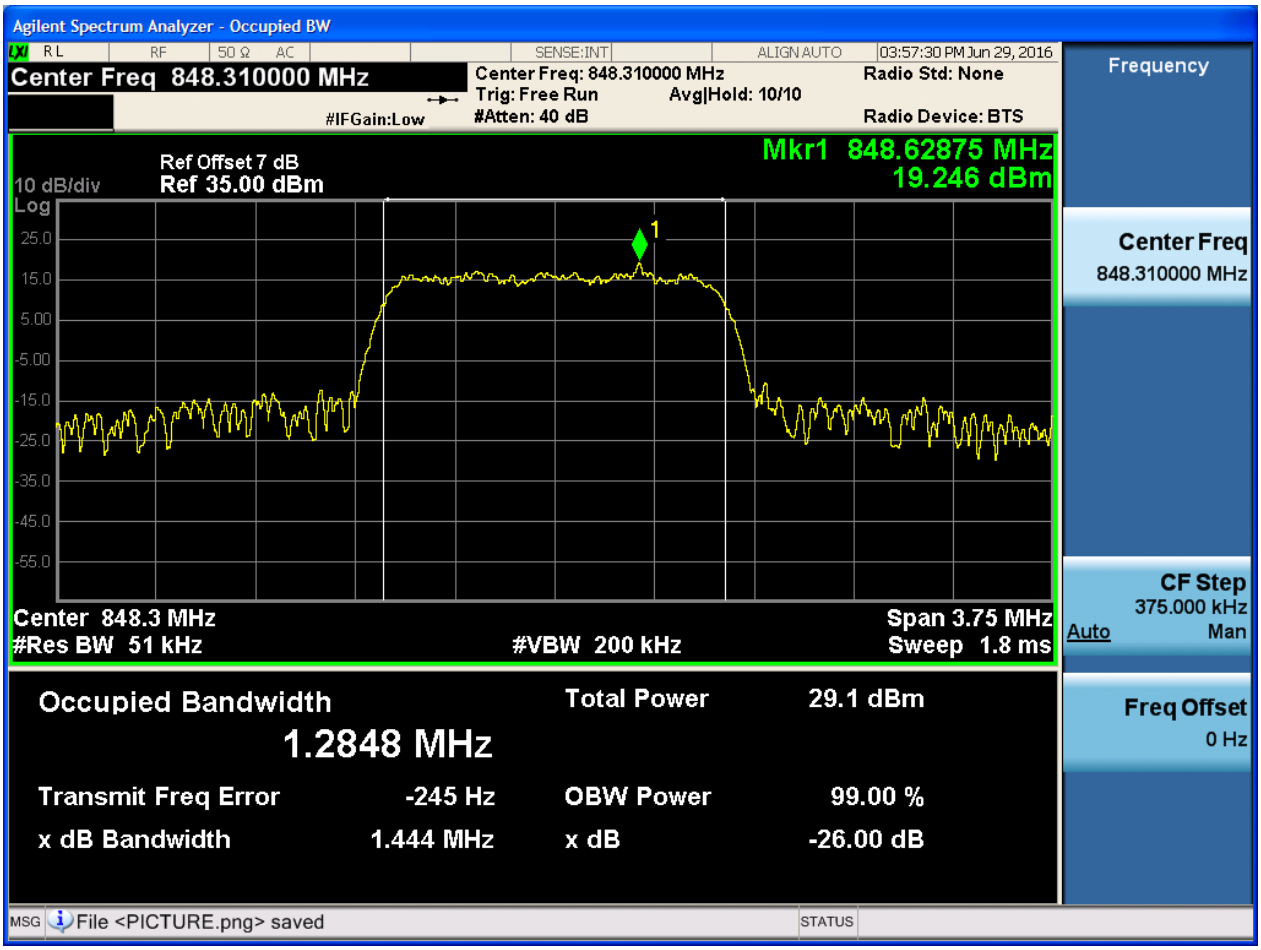
4.1.1.3.3 Test Channel = HCH



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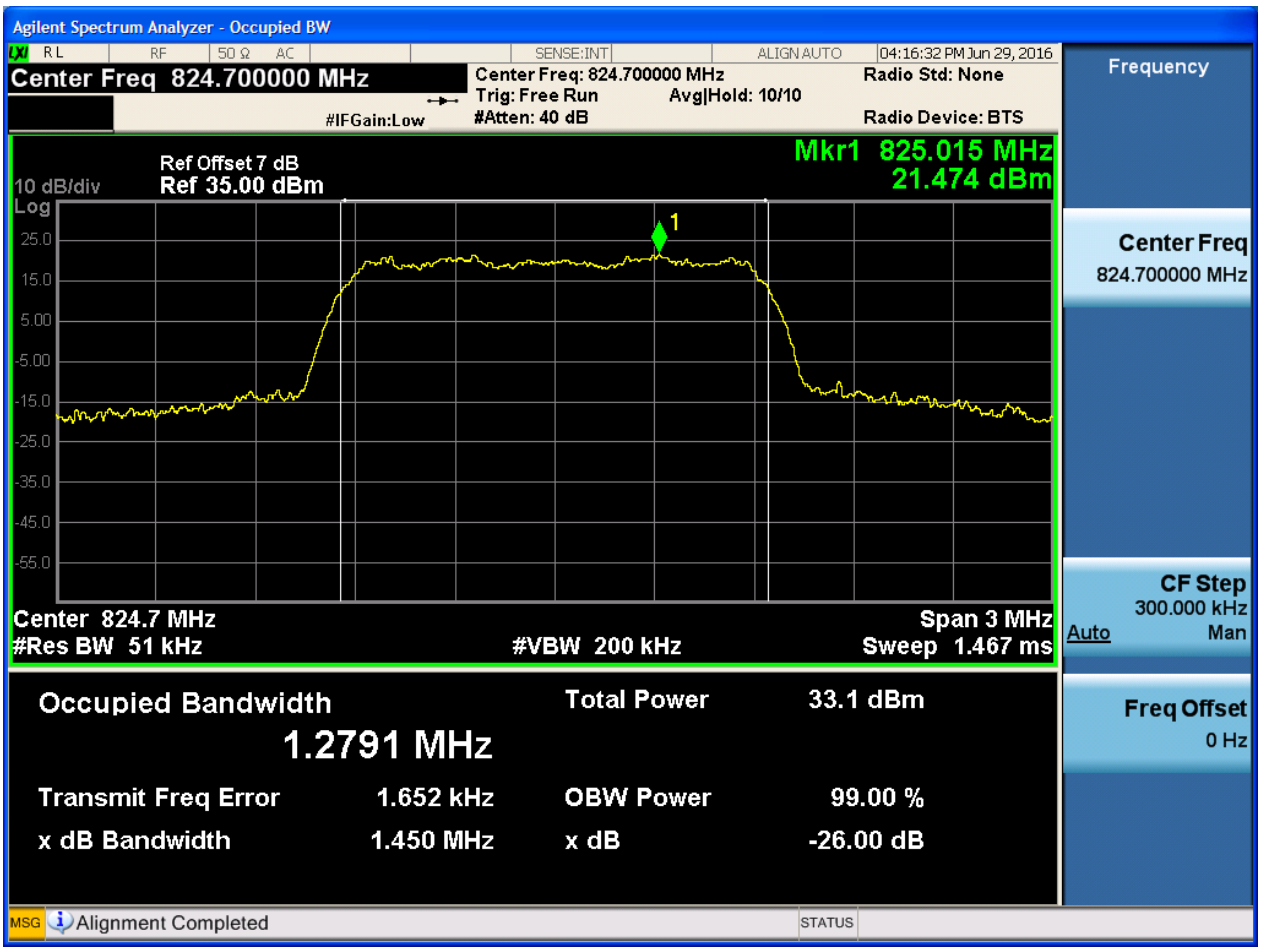
4.1.1.4 Test Mode = CDMA/EV-DO/Subtype2/256

4.1.1.4.1 Test Channel = LCH



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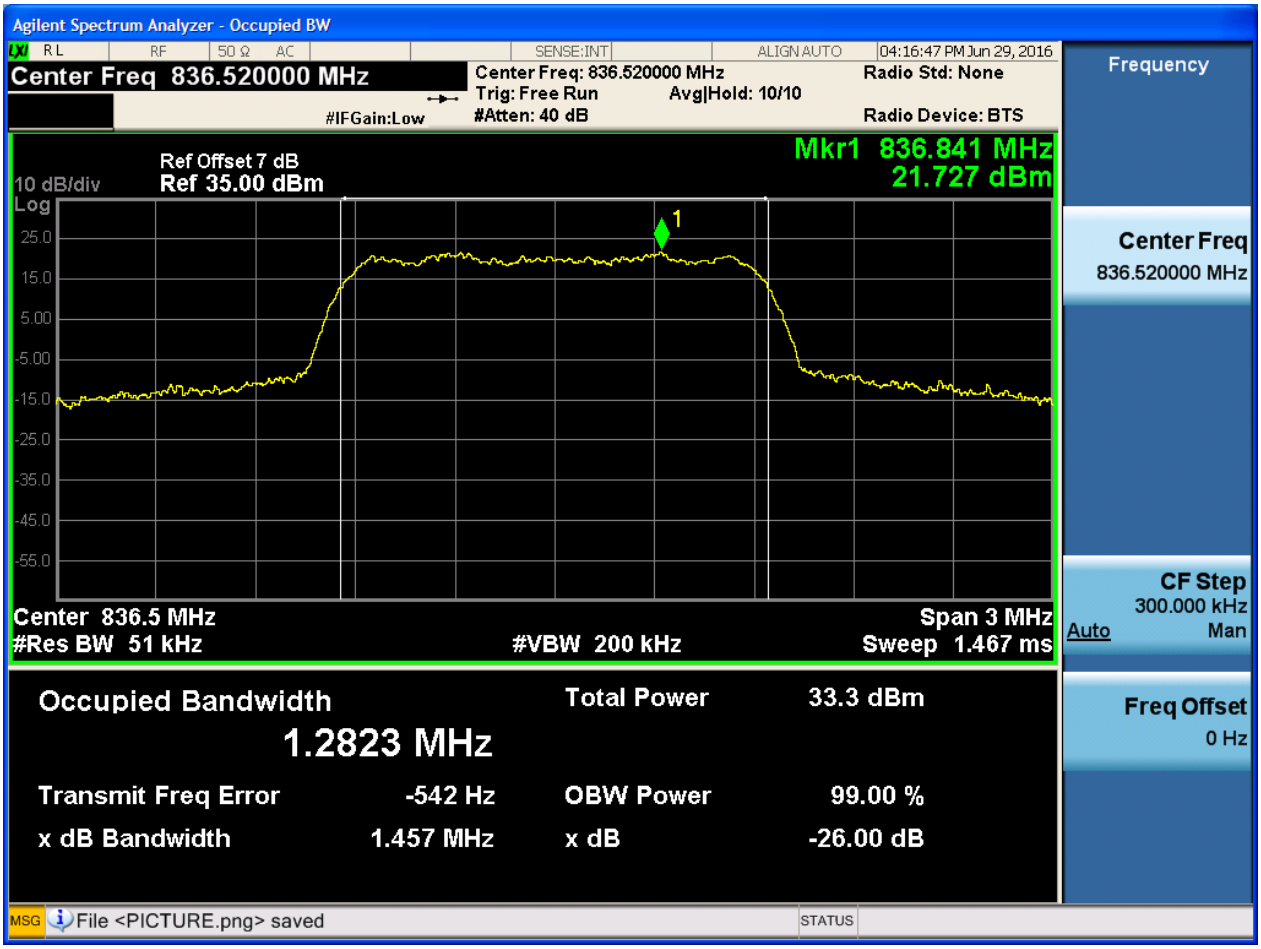
4.1.1.4.2 Test Channel = MCH



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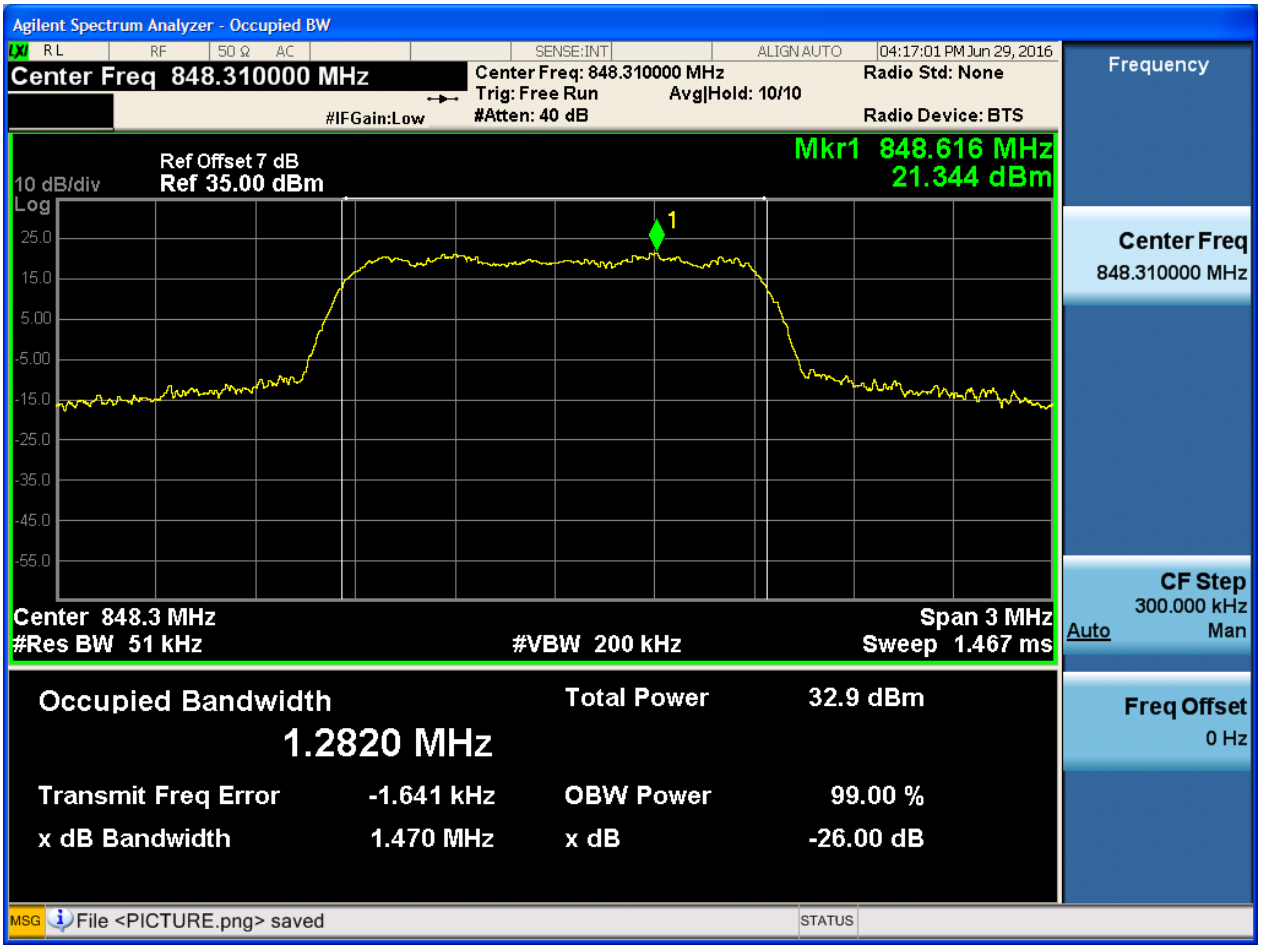
4.1.1.4.3 Test Channel = HCH



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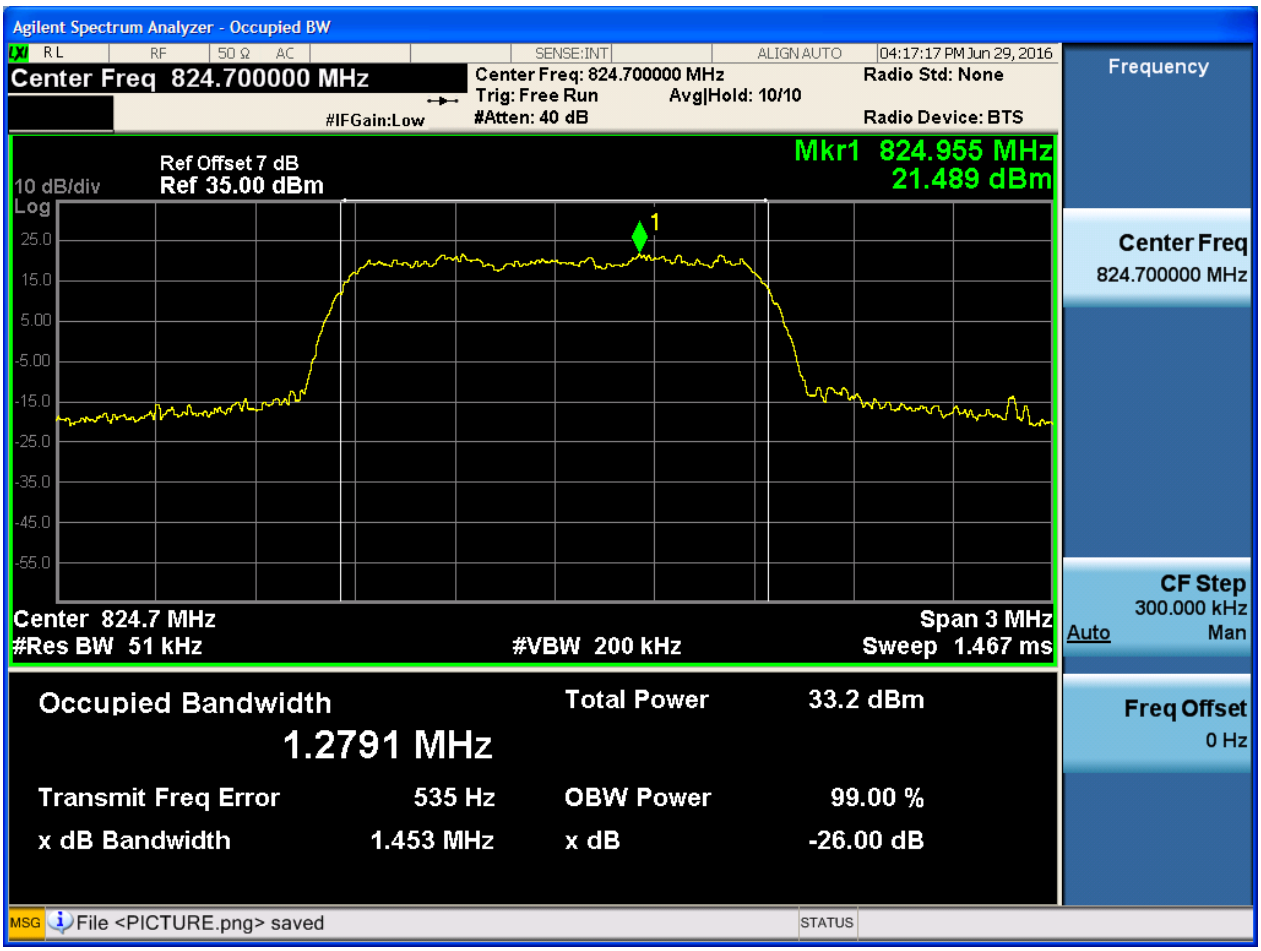
4.1.1.5 Test Mode = CDMA/EV-DO/Subtype2/4096

4.1.1.5.1 Test Channel = LCH



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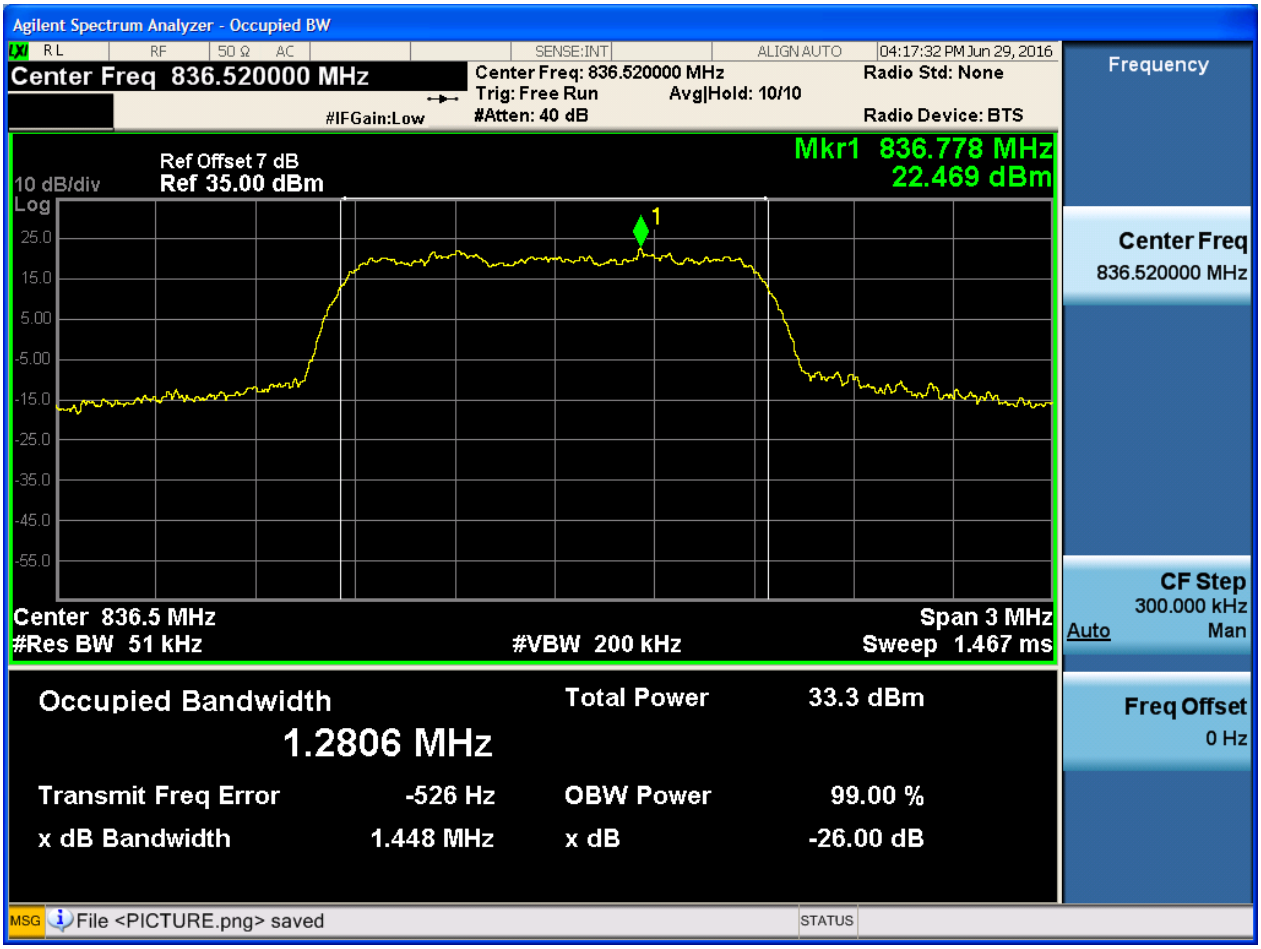
4.1.1.5.2 Test Channel = MCH



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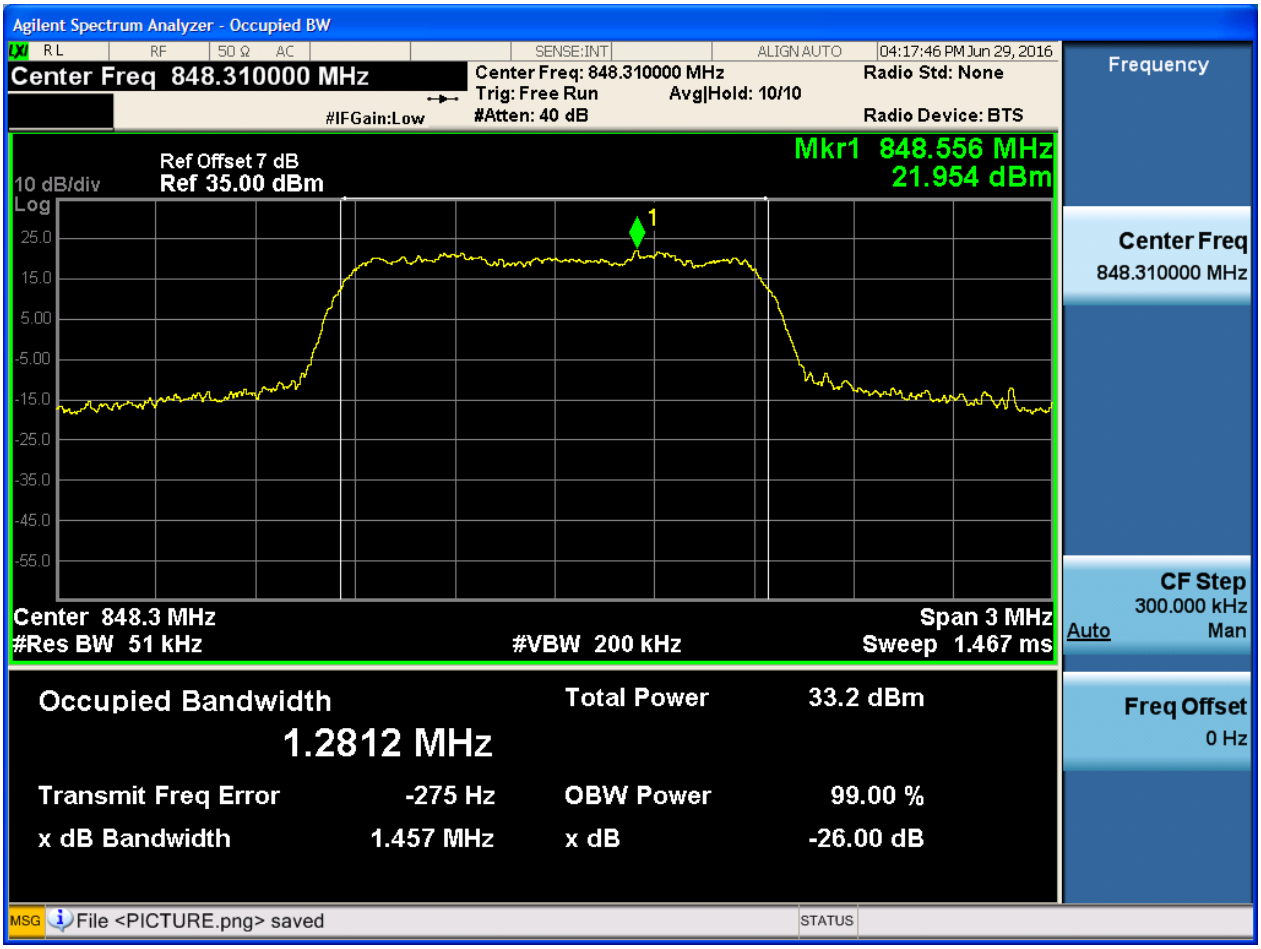
4.1.1.5.3 Test Channel = HCH



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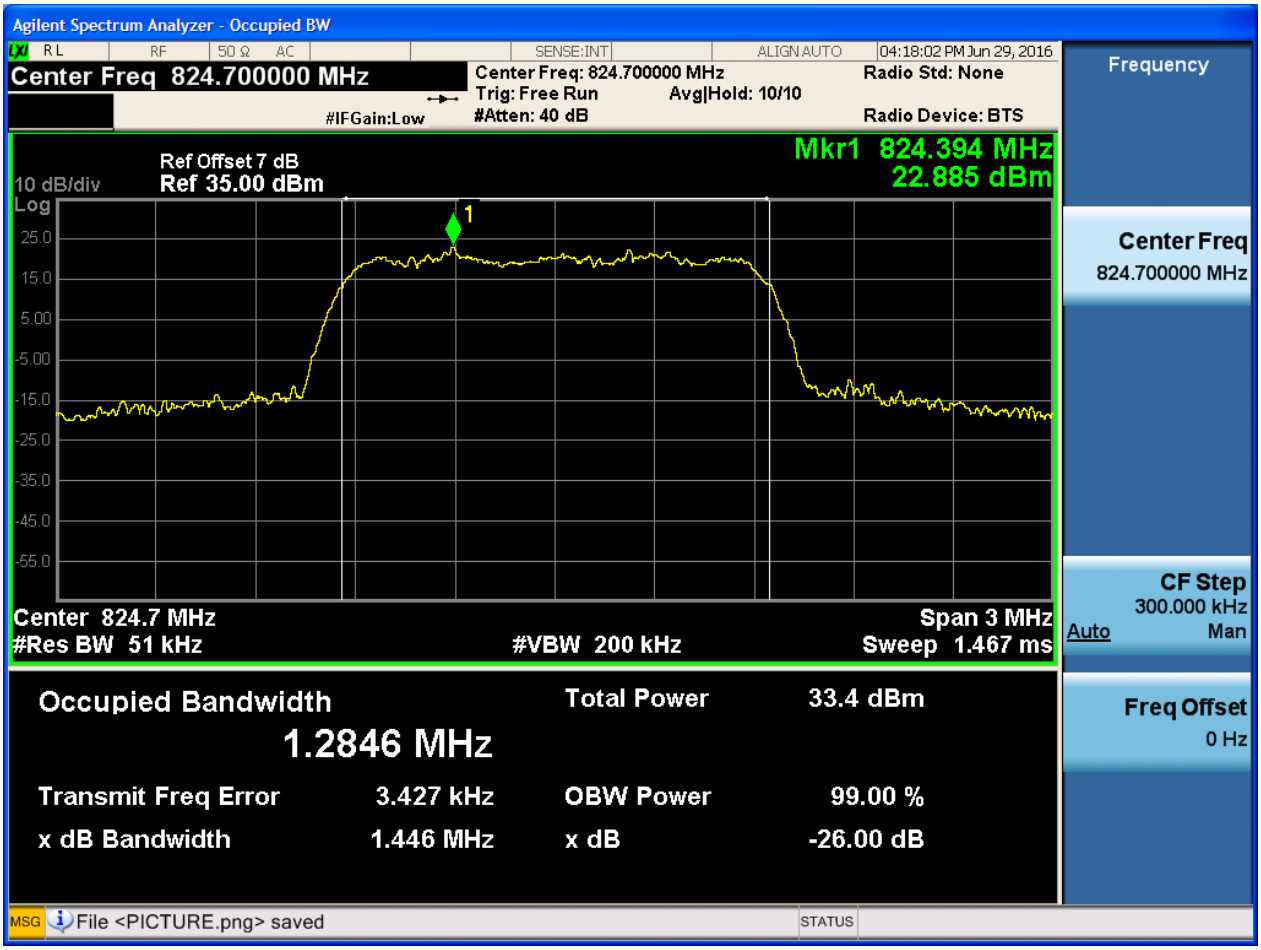
4.1.1.6 Test Mode = CDMA/EV-DO/Subtype2/12288

4.1.1.6.1 Test Channel = LCH



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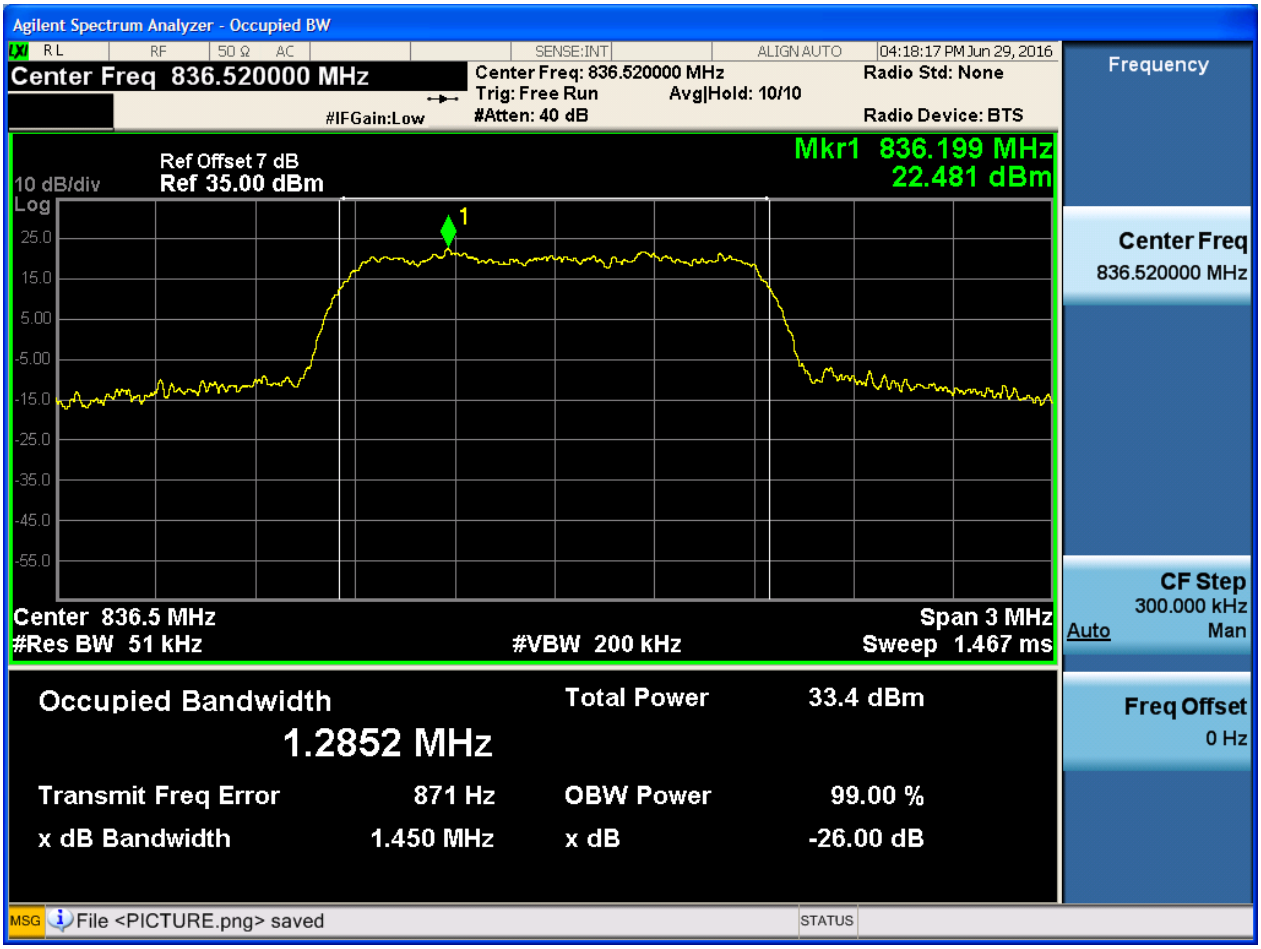
4.1.1.6.2 Test Channel = MCH



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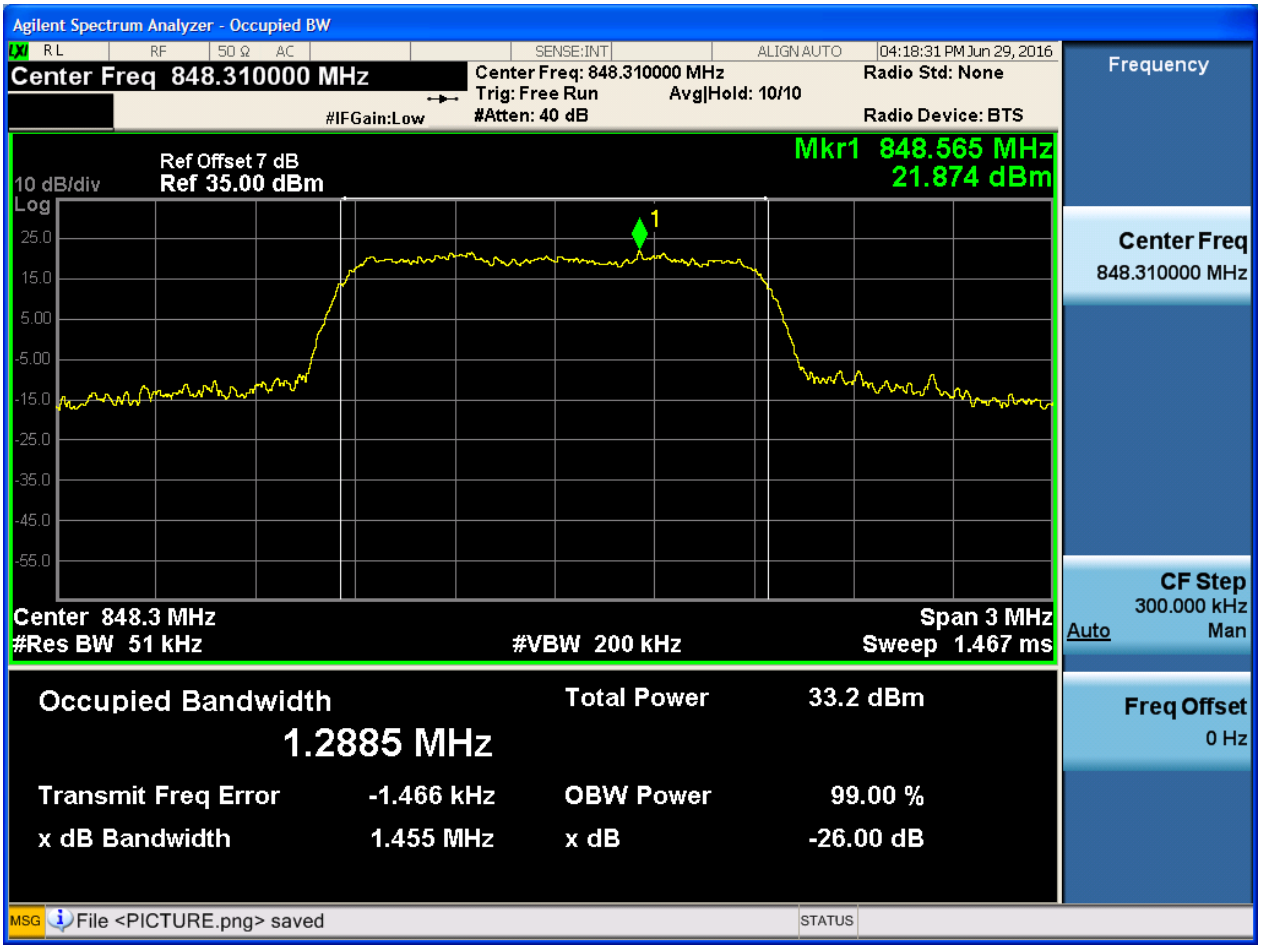
4.1.1.6.3 Test Channel = HCH



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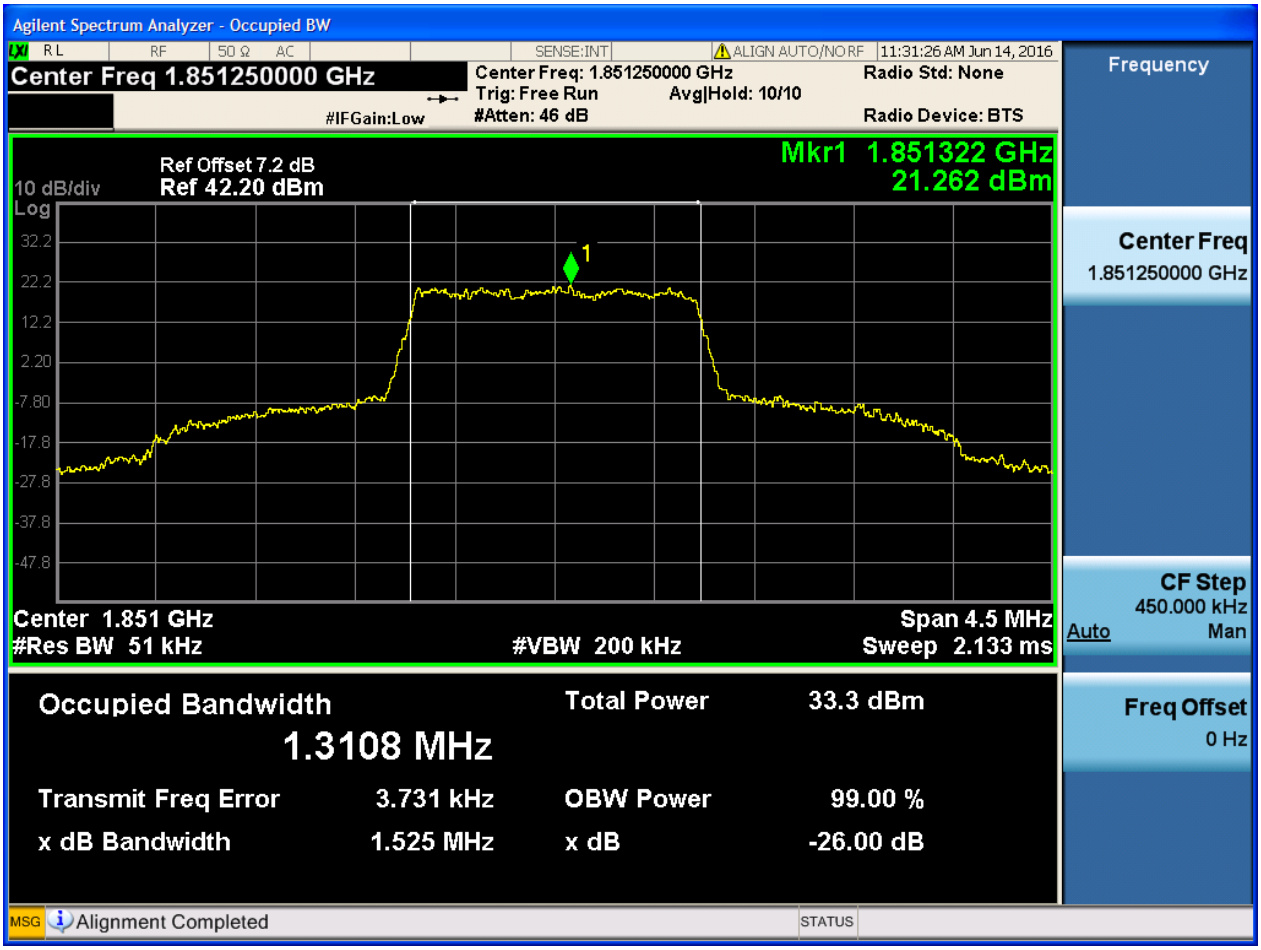
4.1.2 Test Band = BC1

4.1.2.1 Test Mode = CDMA/1X/TM1

4.1.2.1.1 Test Channel = LCH



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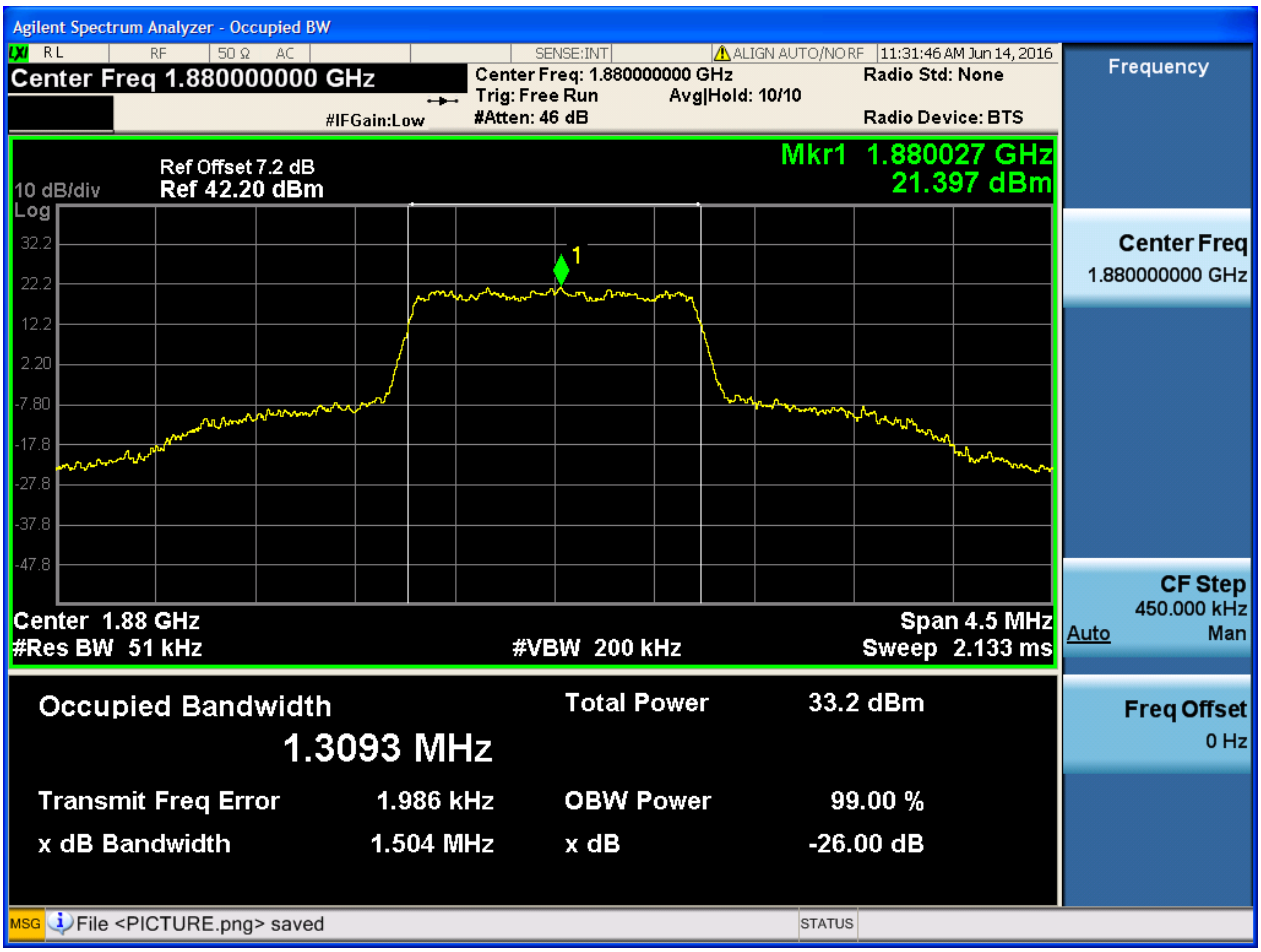
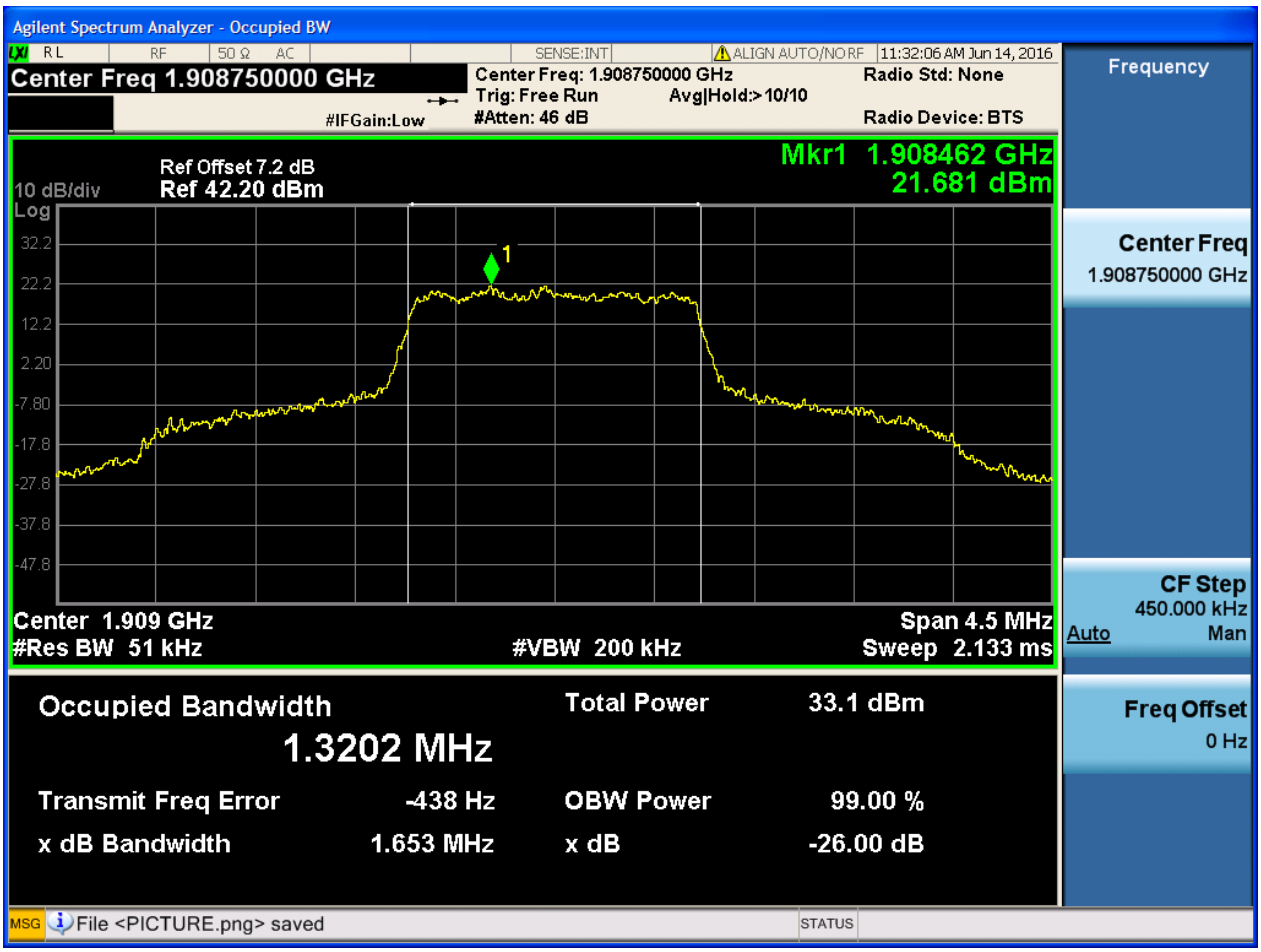
4.1.2.1.2 Test Channel = MCH



4.1.2.1.3 Test Channel = HCH



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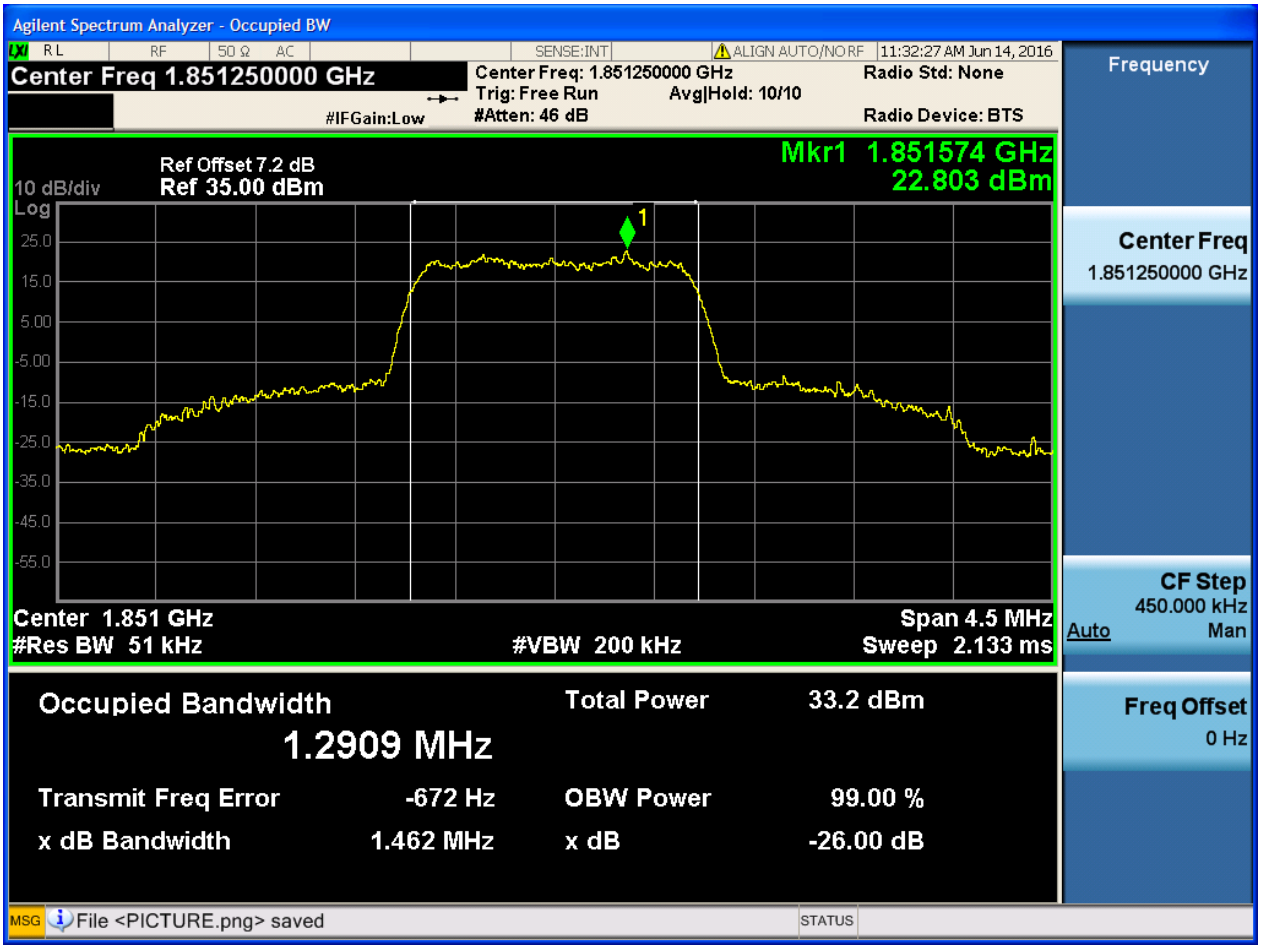
4.1.2.2 Test Mode = CDMA/1X/TM3

4.1.2.2.1 Test Channel = LCH



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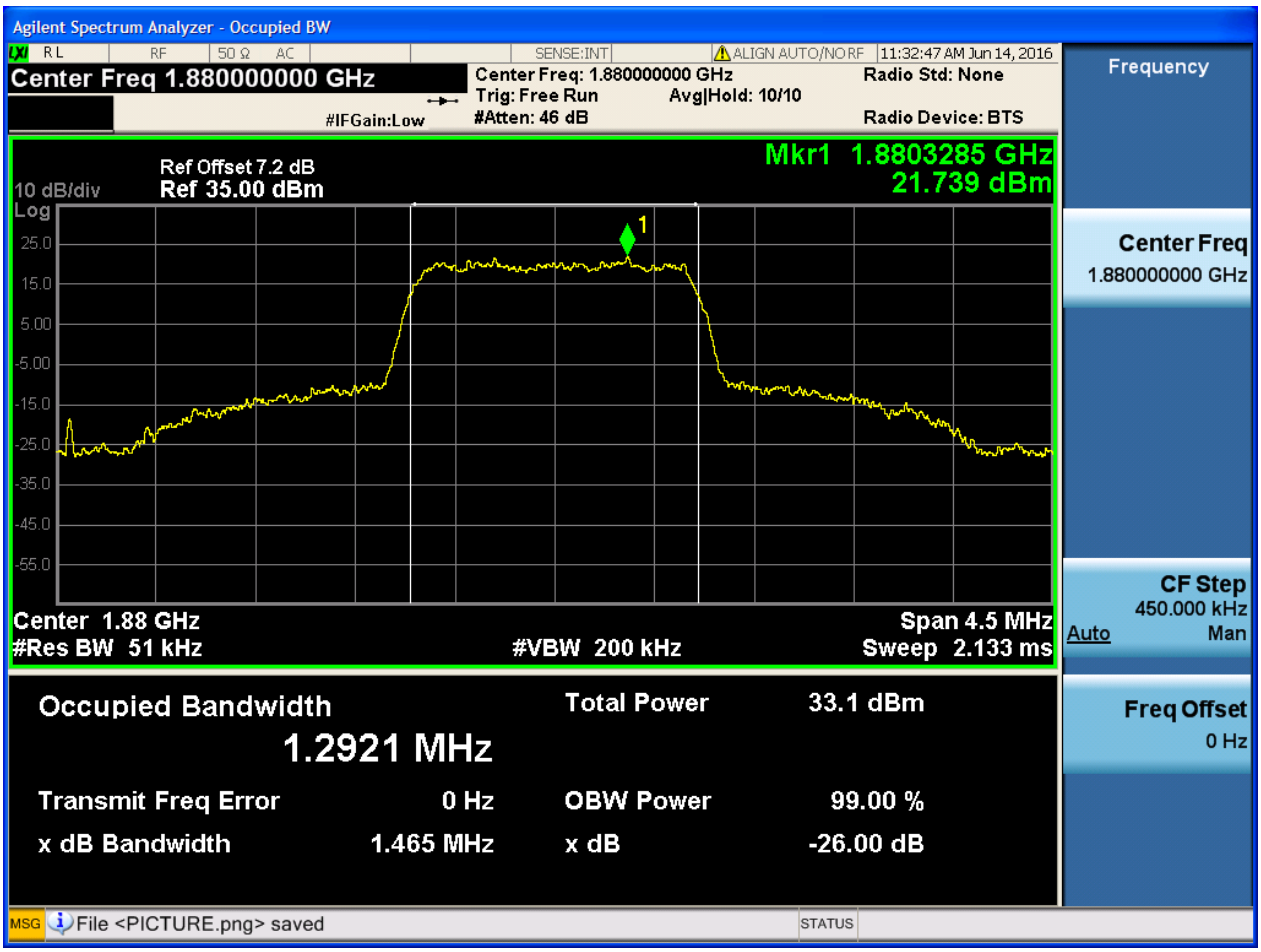
4.1.2.2.2 Test Channel = MCH



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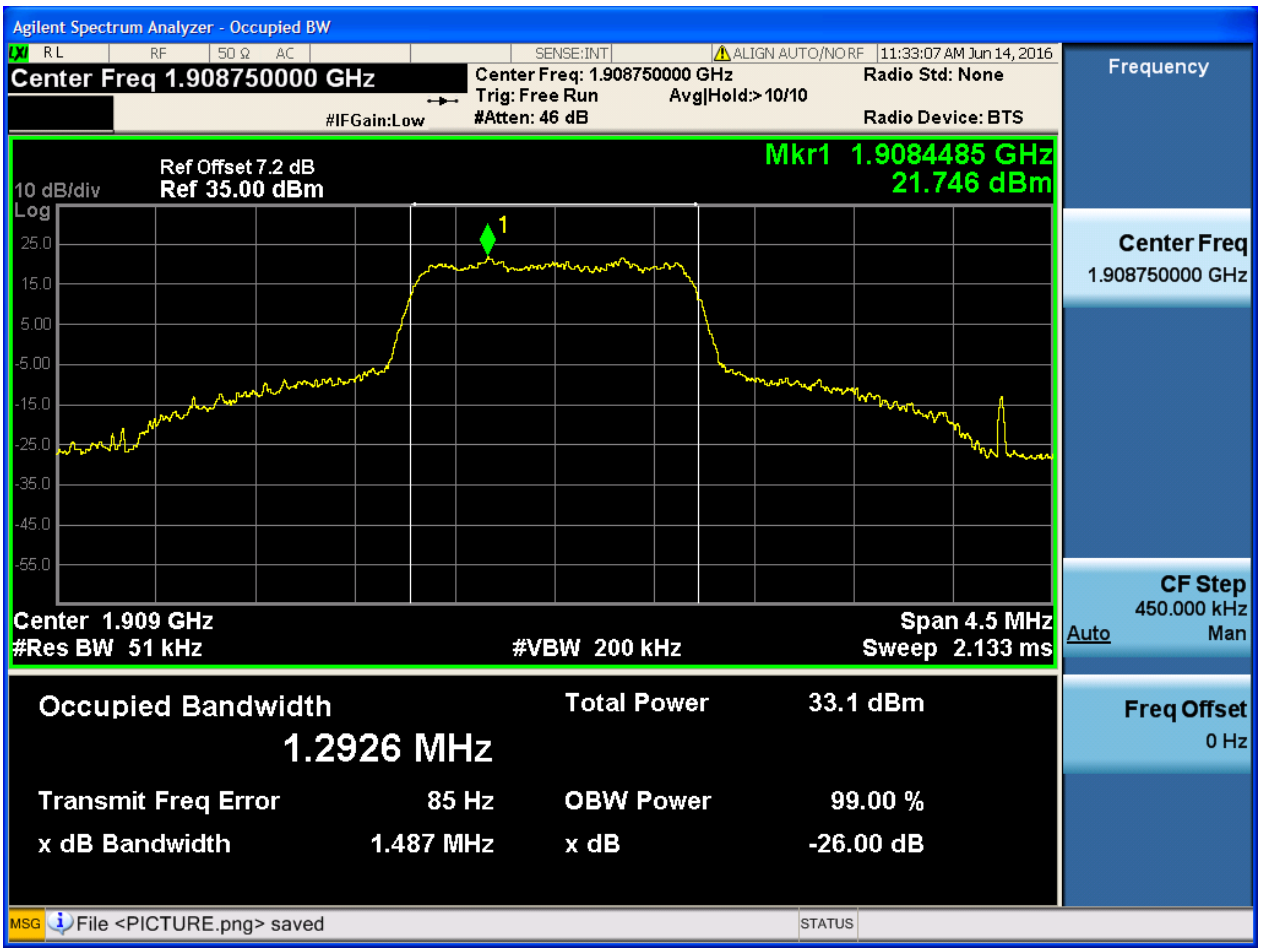
4.1.2.2.3 Test Channel = HCH



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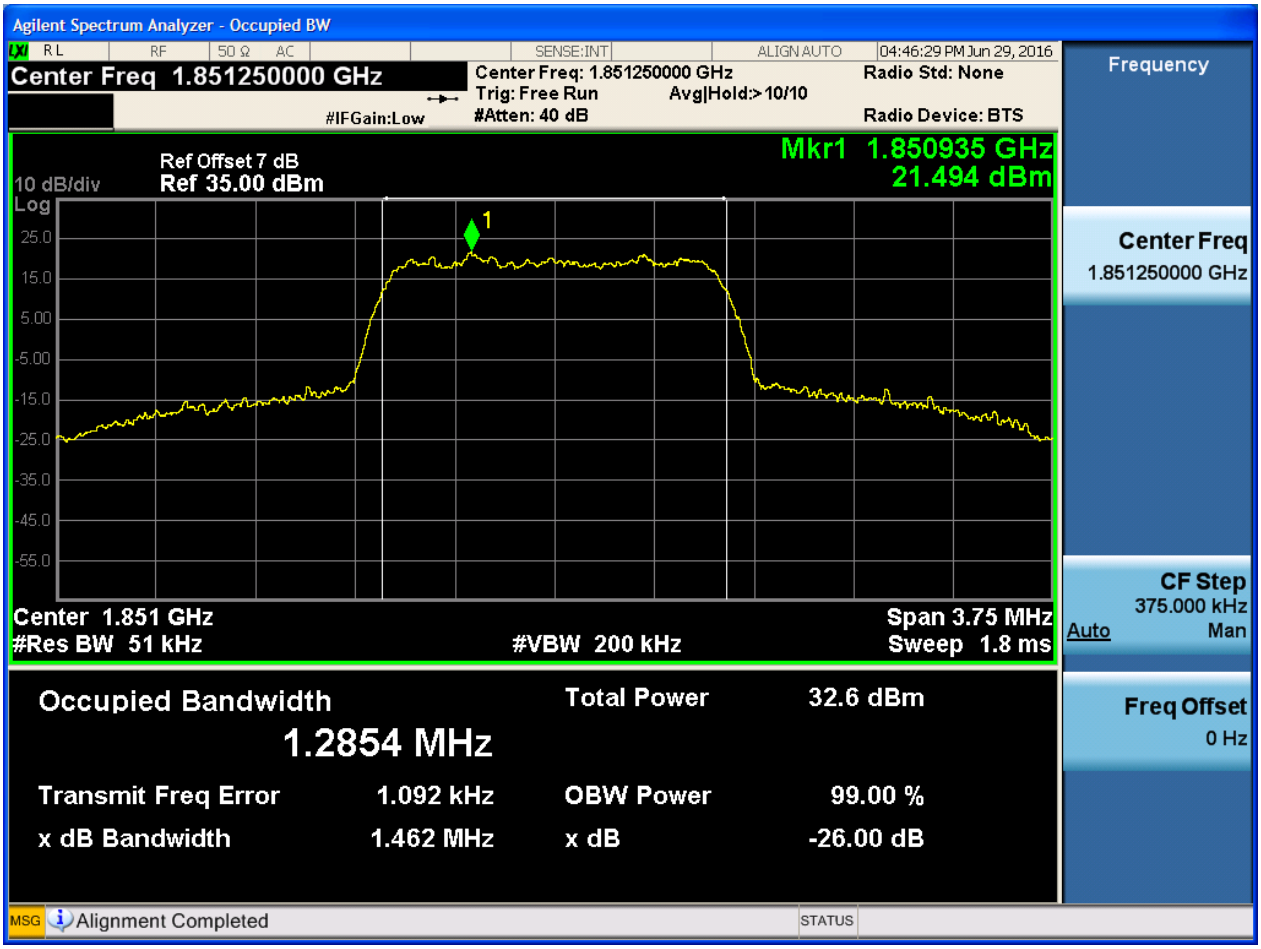
4.1.2.3 Test Mode = CDMA/EV-DO/Subtype0

4.1.2.3.1 Test Channel = LCH



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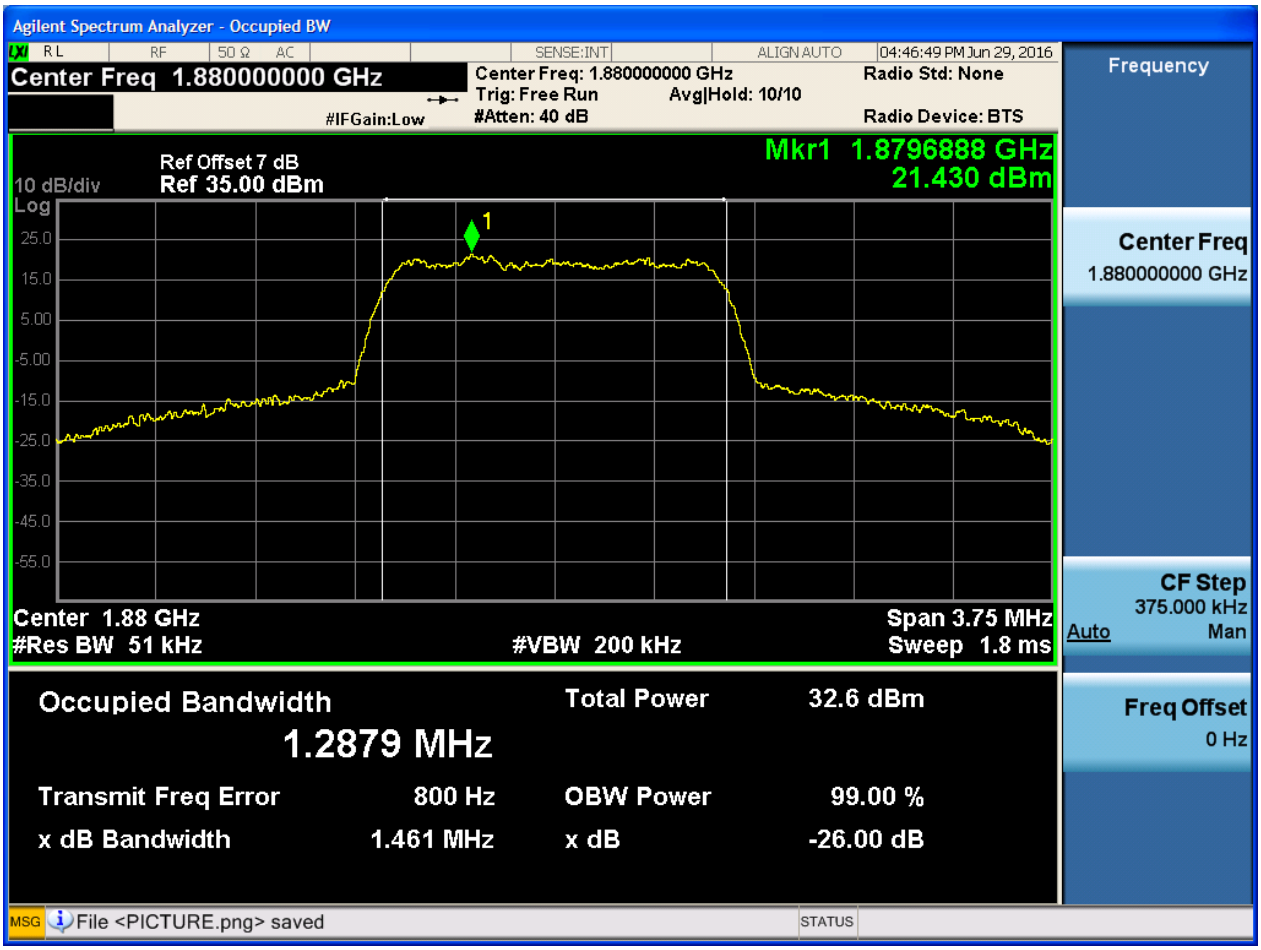
4.1.2.3.2 Test Channel = MCH



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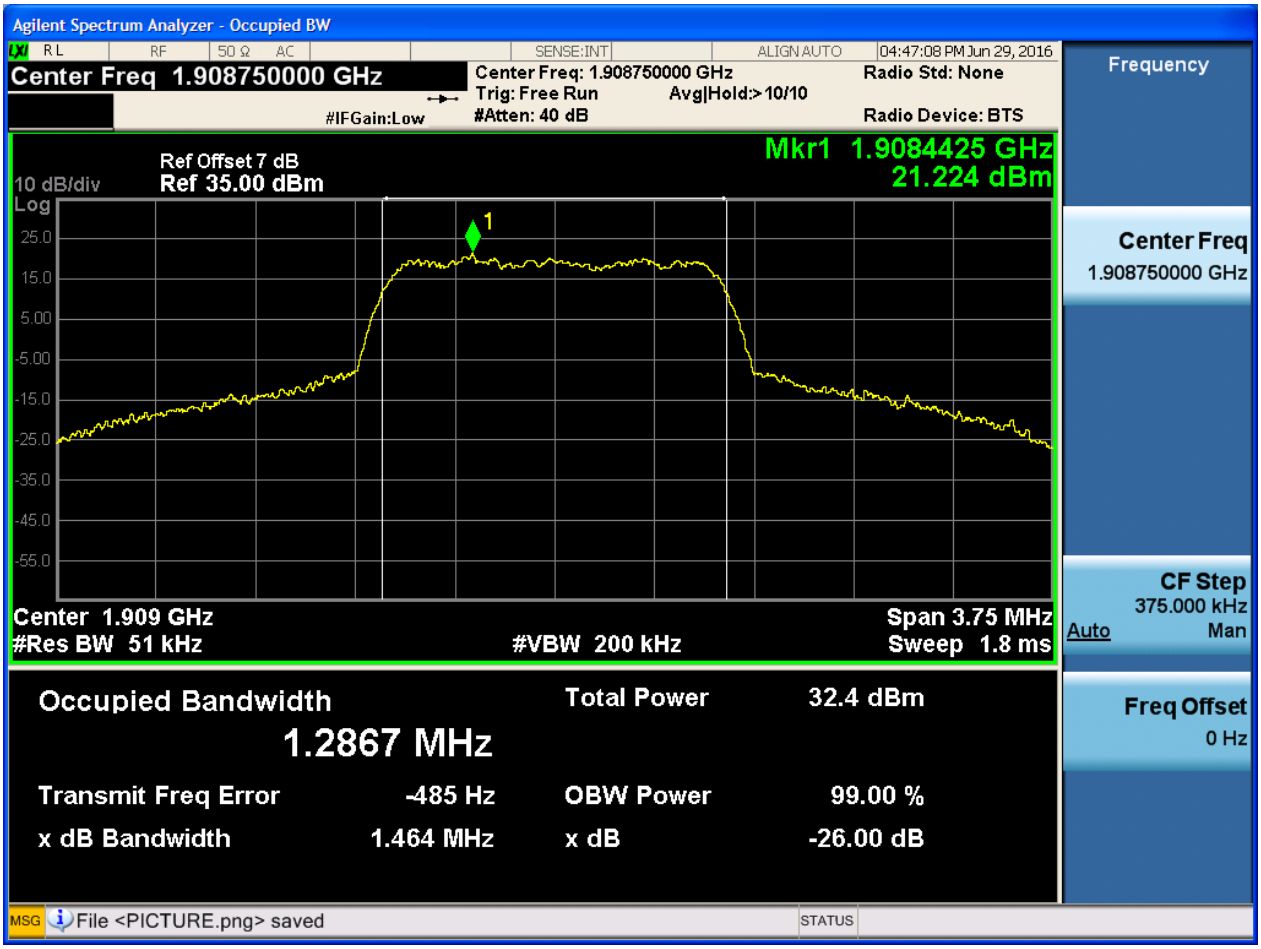
4.1.2.3.3 Test Channel = HCH



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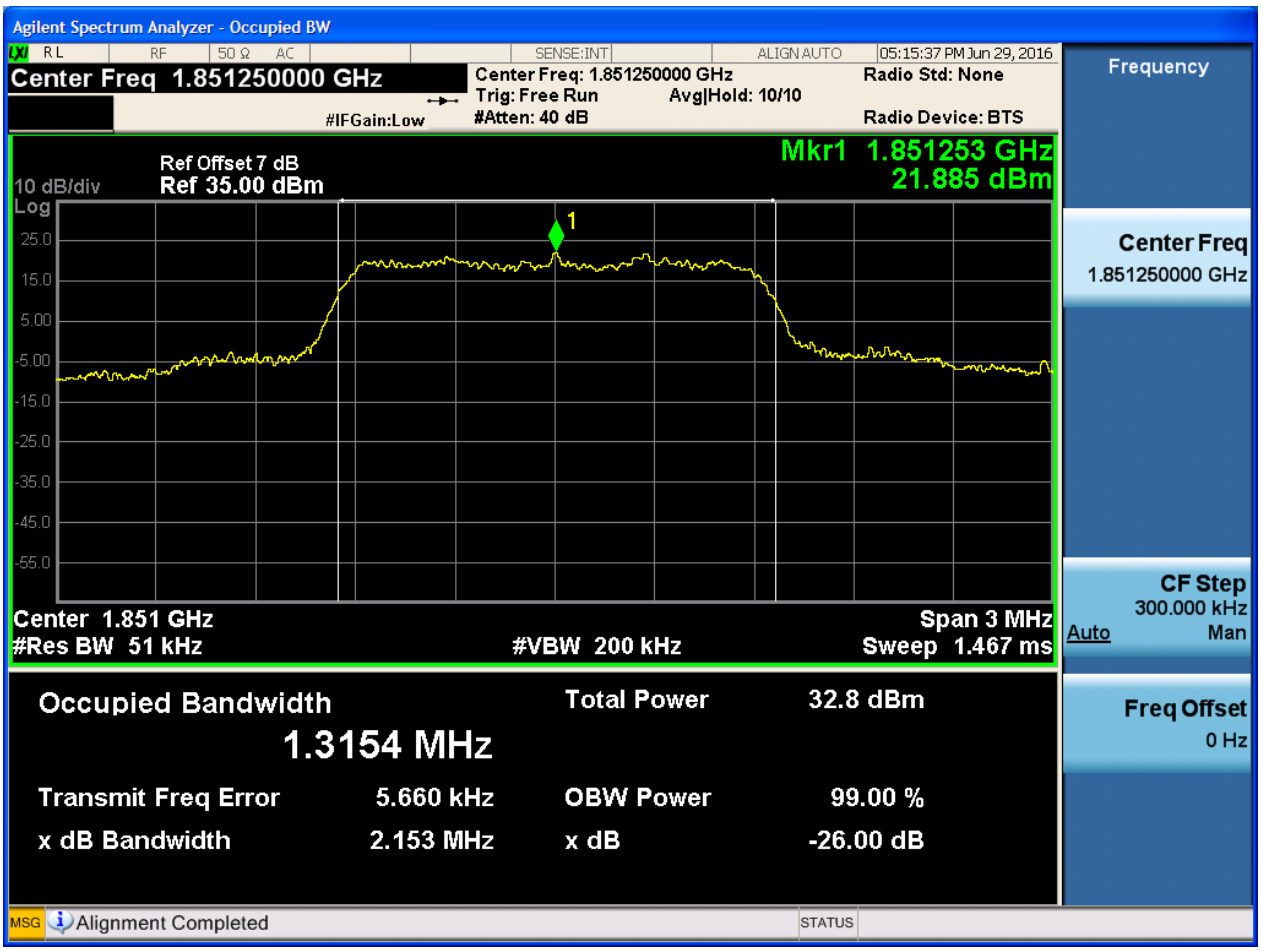
4.1.2.4 Test Mode = CDMA/EV-DO/Subtype2/256

4.1.2.4.1 Test Channel = LCH



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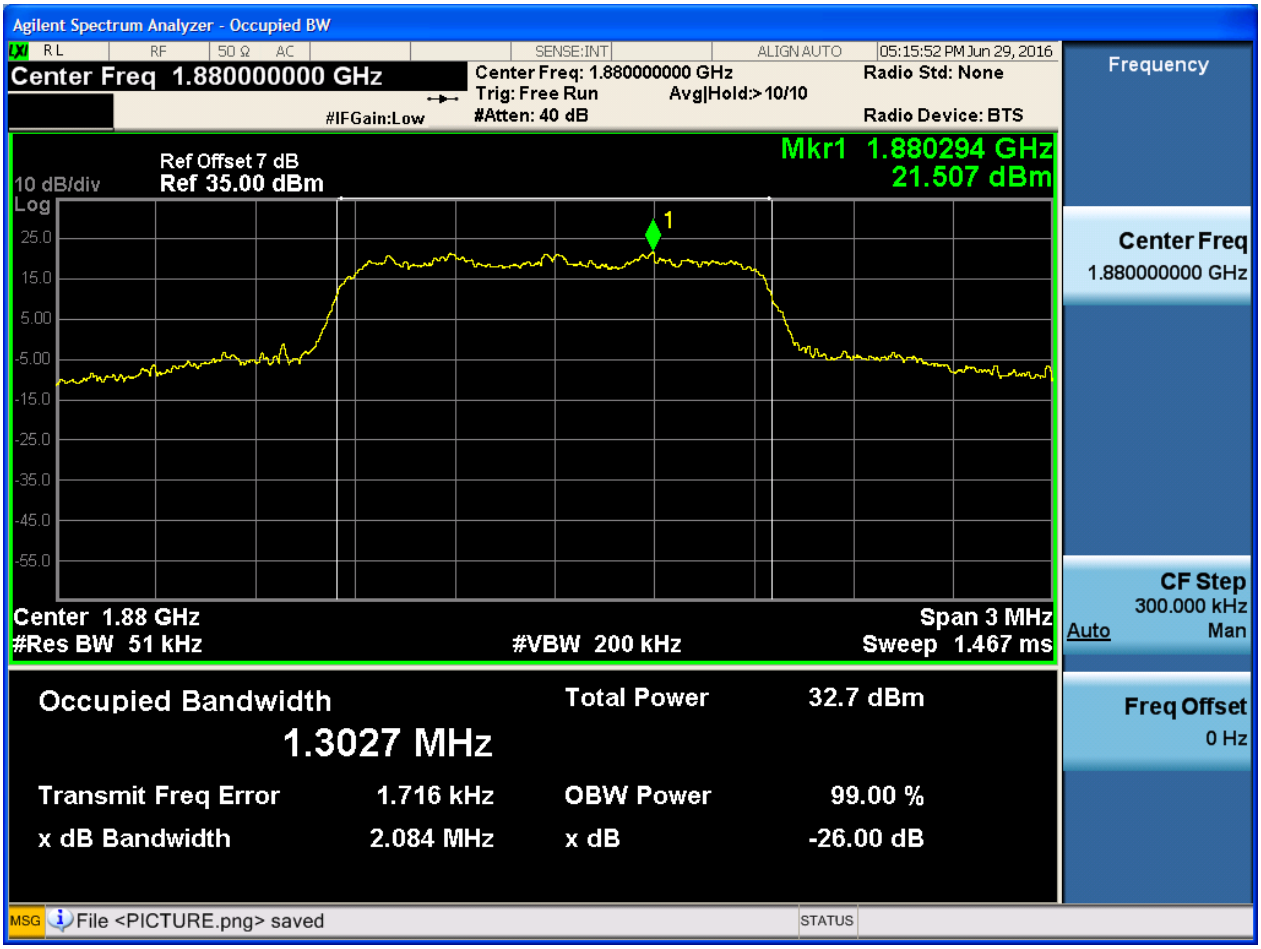
4.1.2.4.2 Test Channel = MCH



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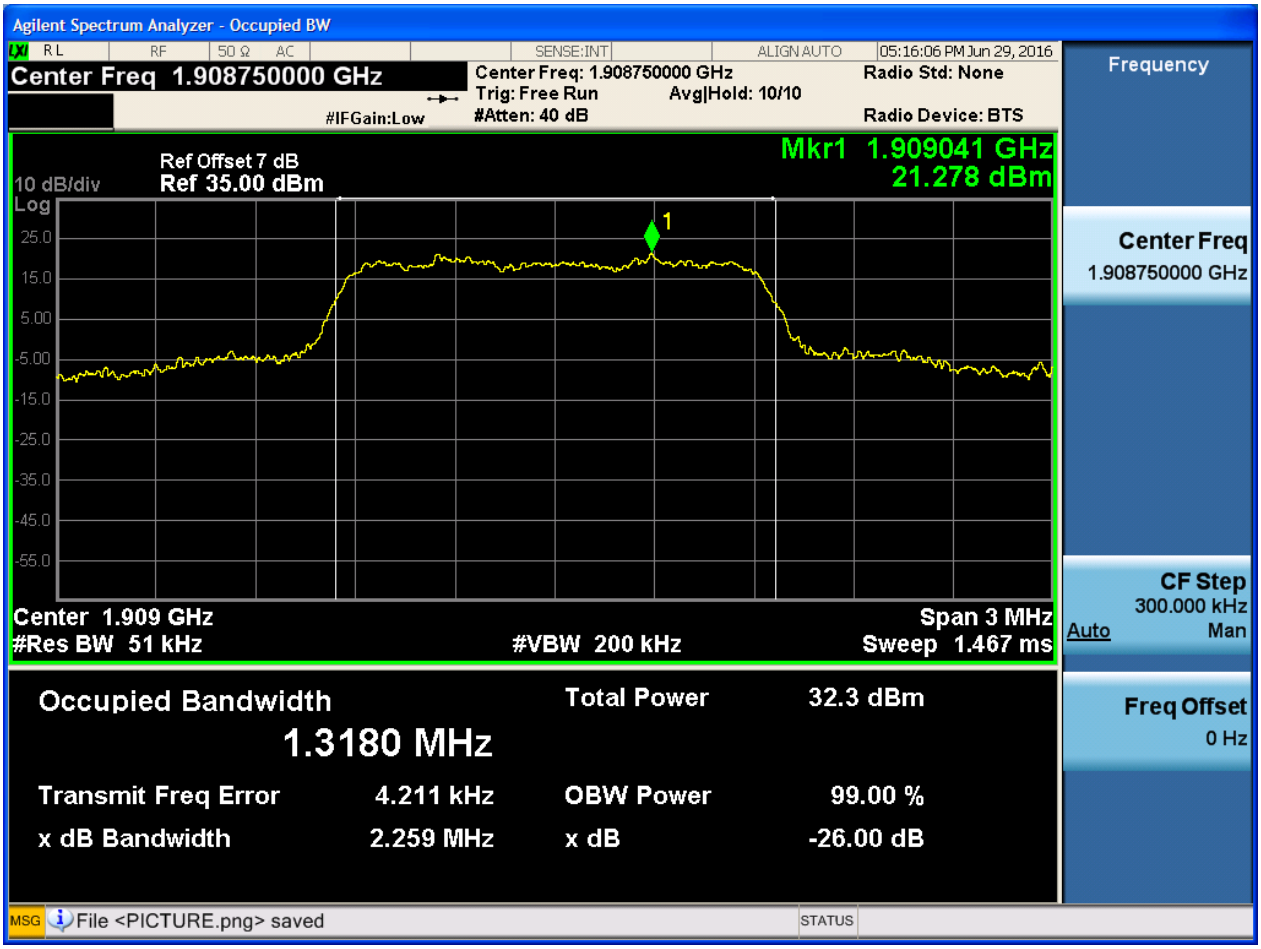
4.1.2.4.3 Test Channel = HCH



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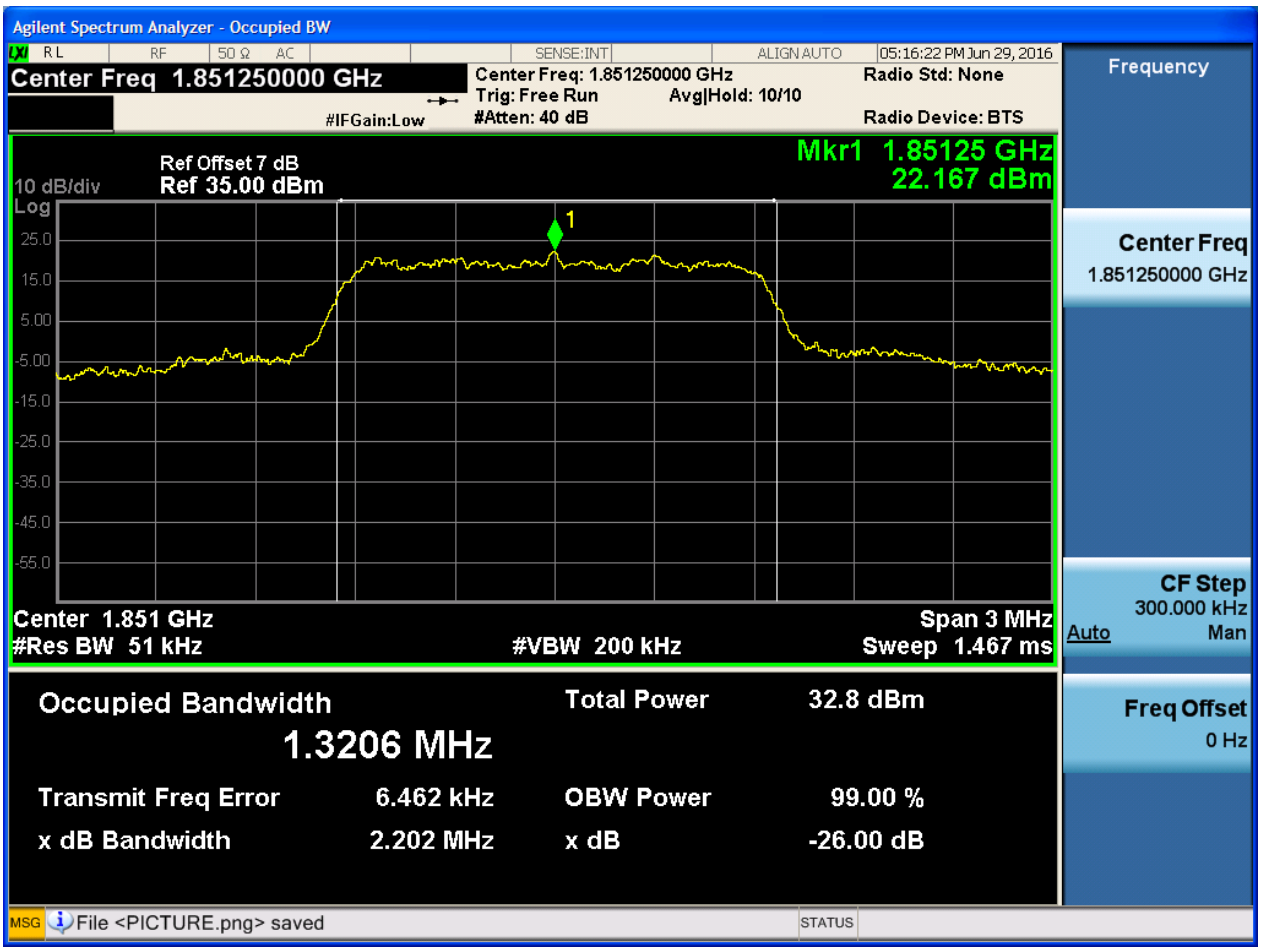
4.1.2.5 Test Mode = CDMA/EV-DO/Subtype2/24096

4.1.2.5.1 Test Channel = LCH



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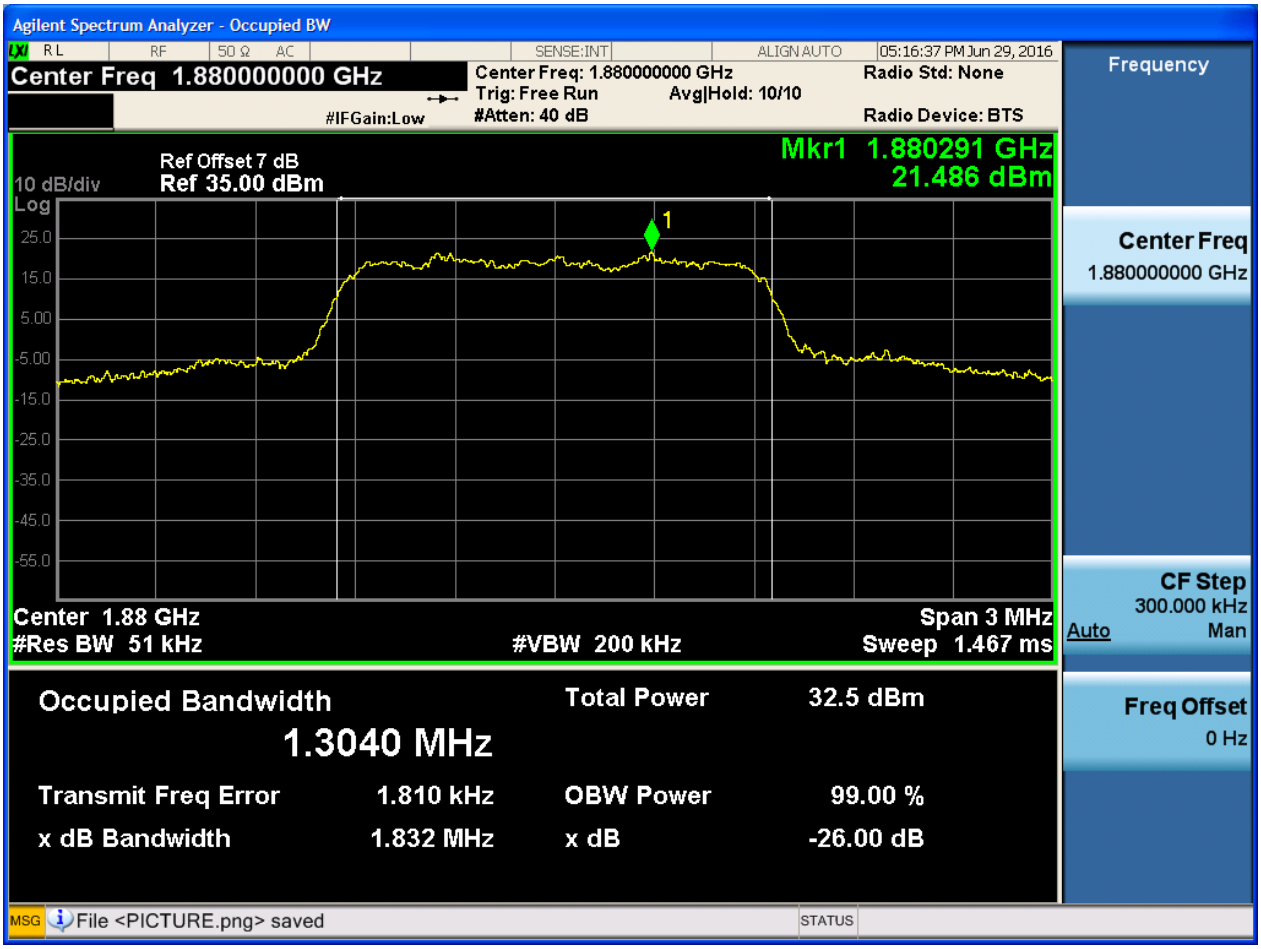
4.1.2.5.2 Test Channel = MCH



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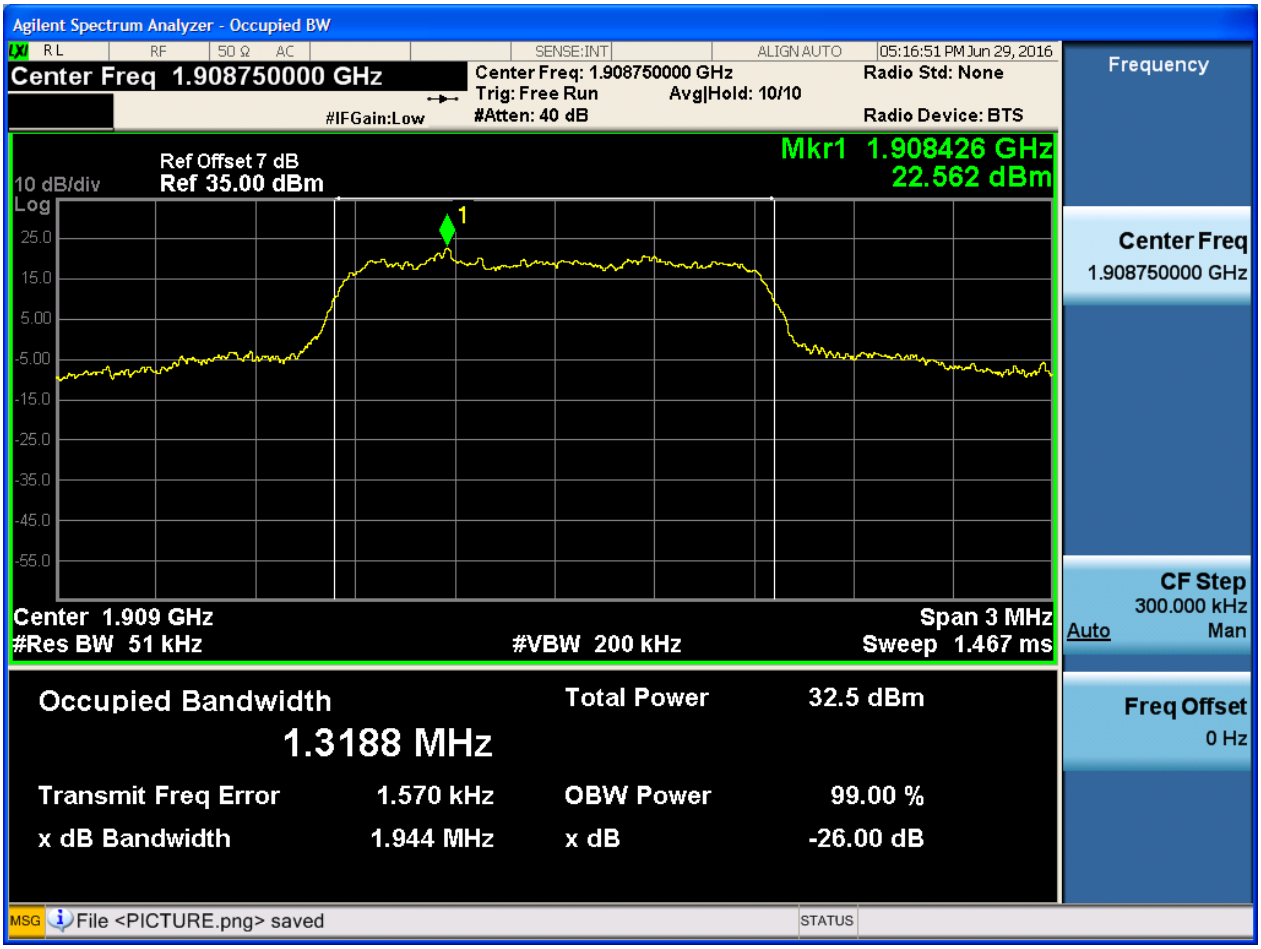
4.1.2.5.3 Test Channel = HCH



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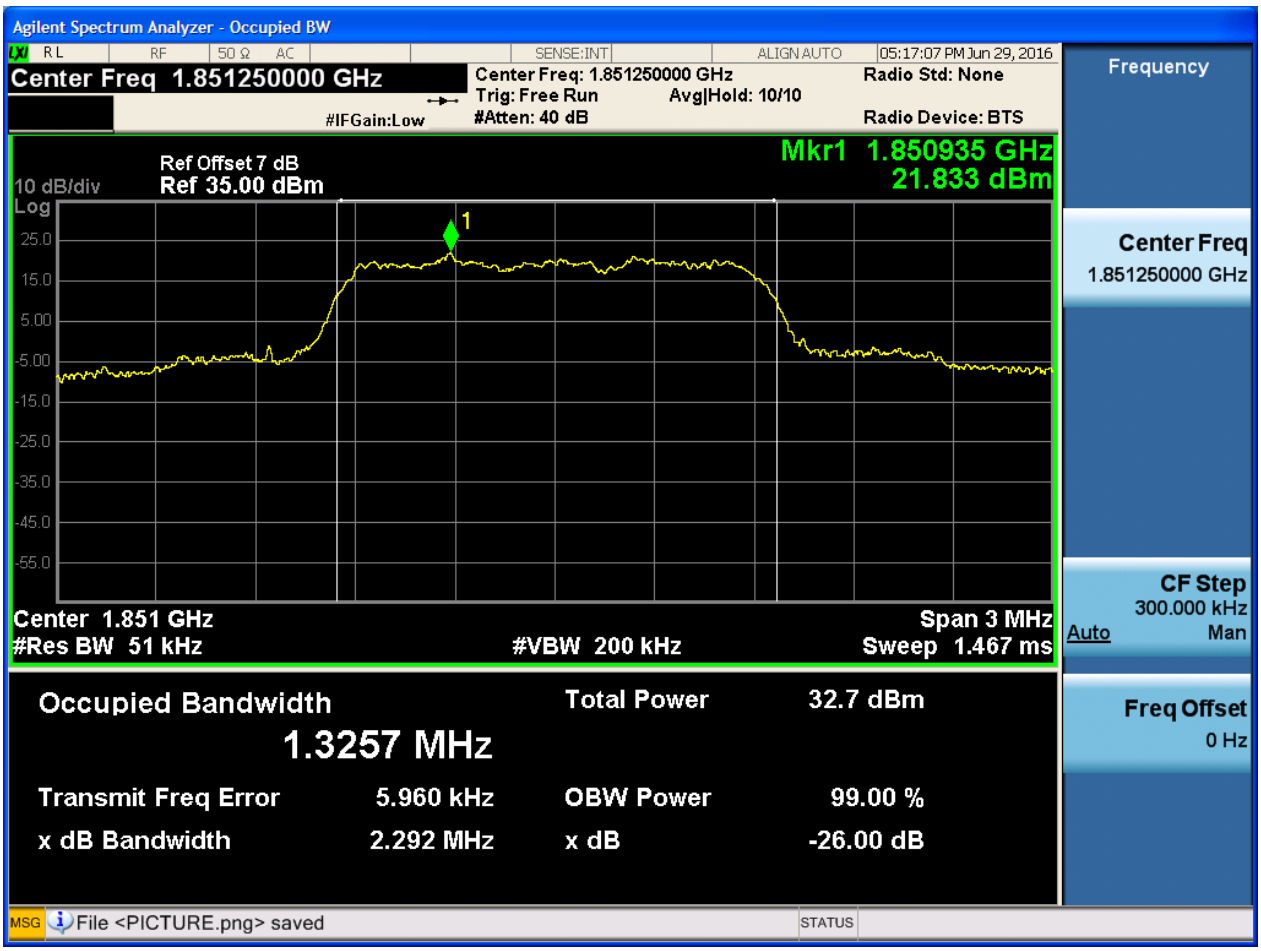
4.1.2.6 Test Mode = CDMA/EV-DO/Subtype2/12288

4.1.2.6.1 Test Channel = LCH



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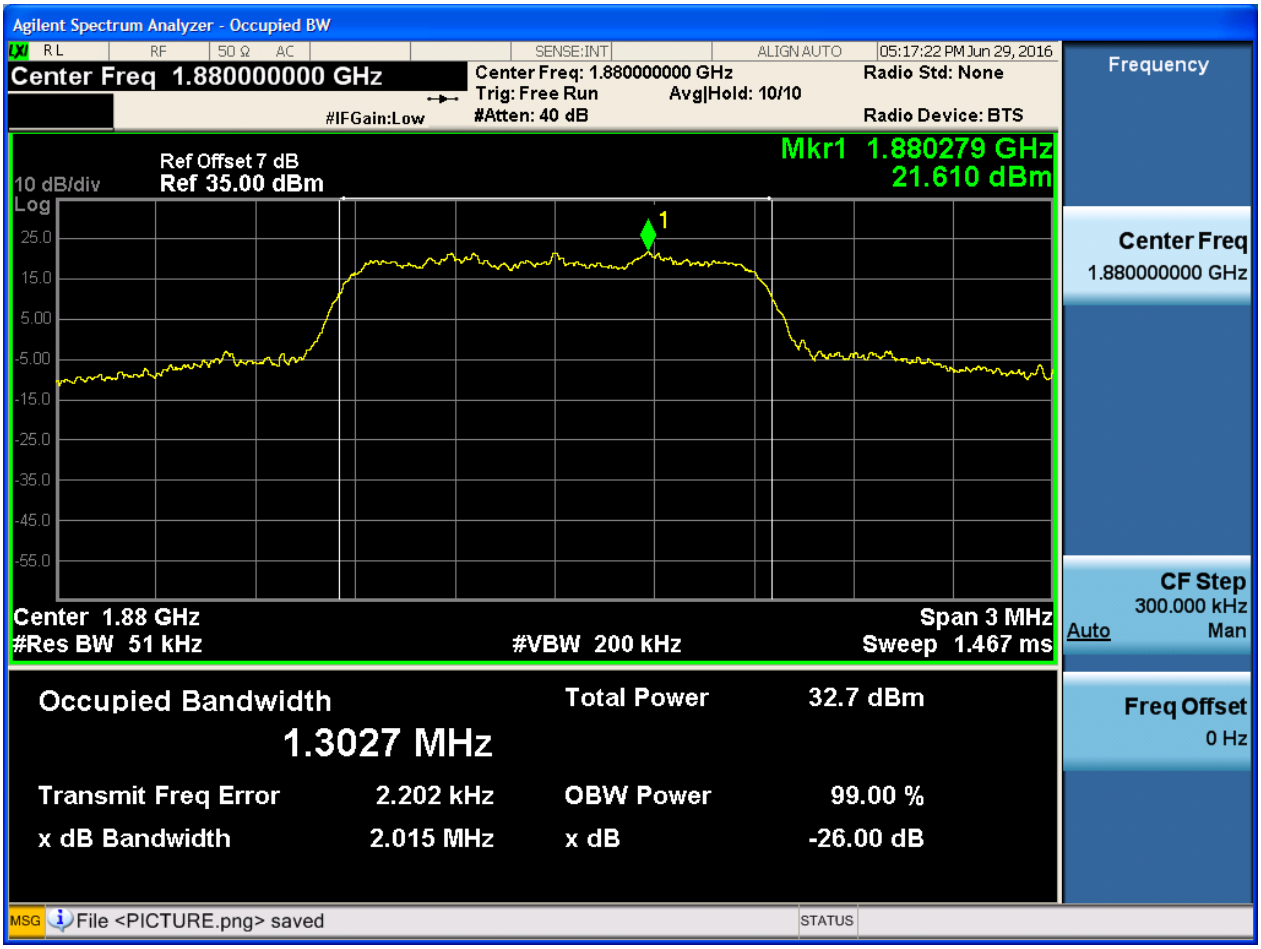
4.1.2.6.2 Test Channel = MCH



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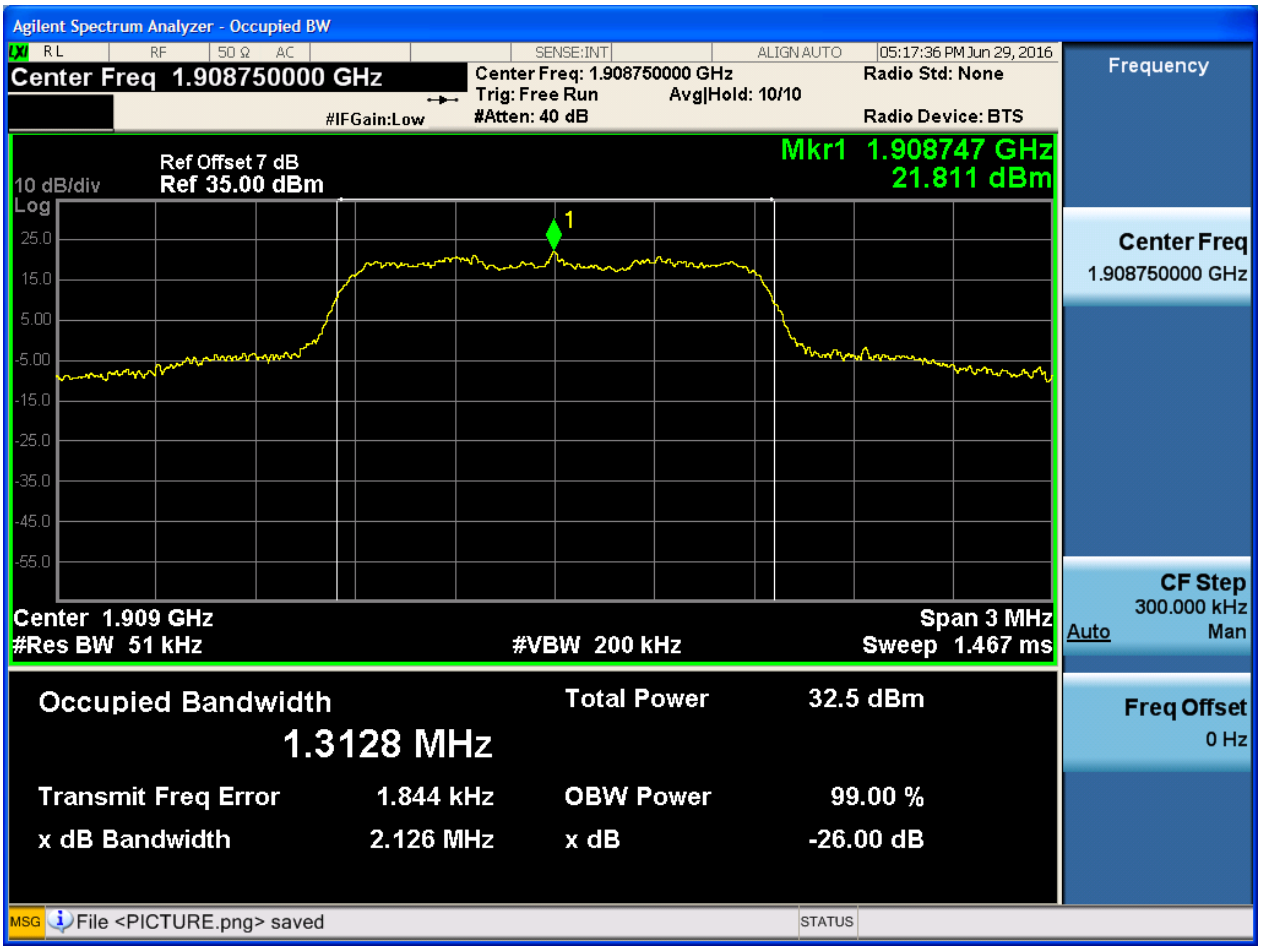
4.1.2.6.3 Test Channel = HCH



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5Appendix_E: Band Edges Compliance

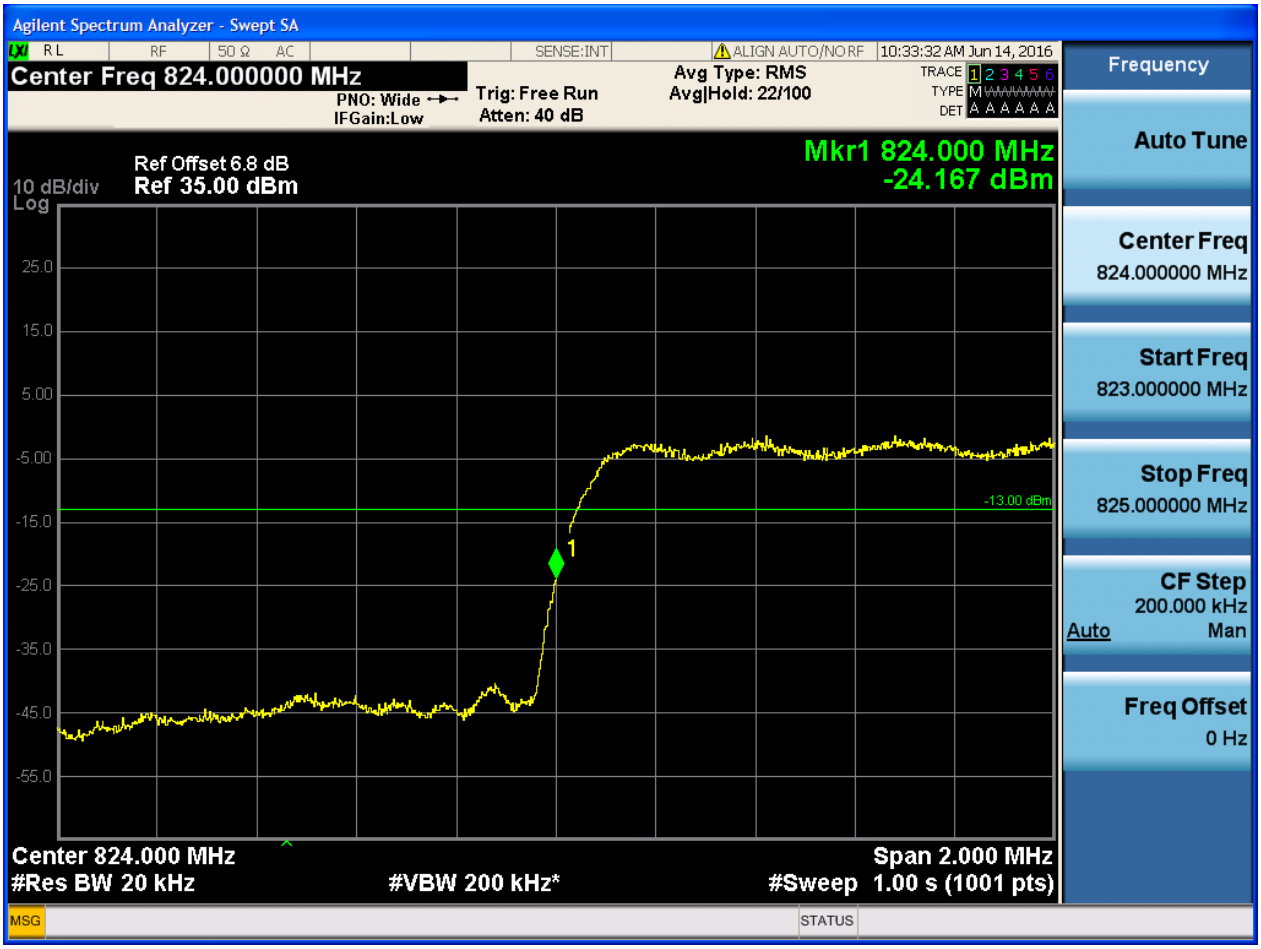
Part I - Test Plots

5.1 For CDMA

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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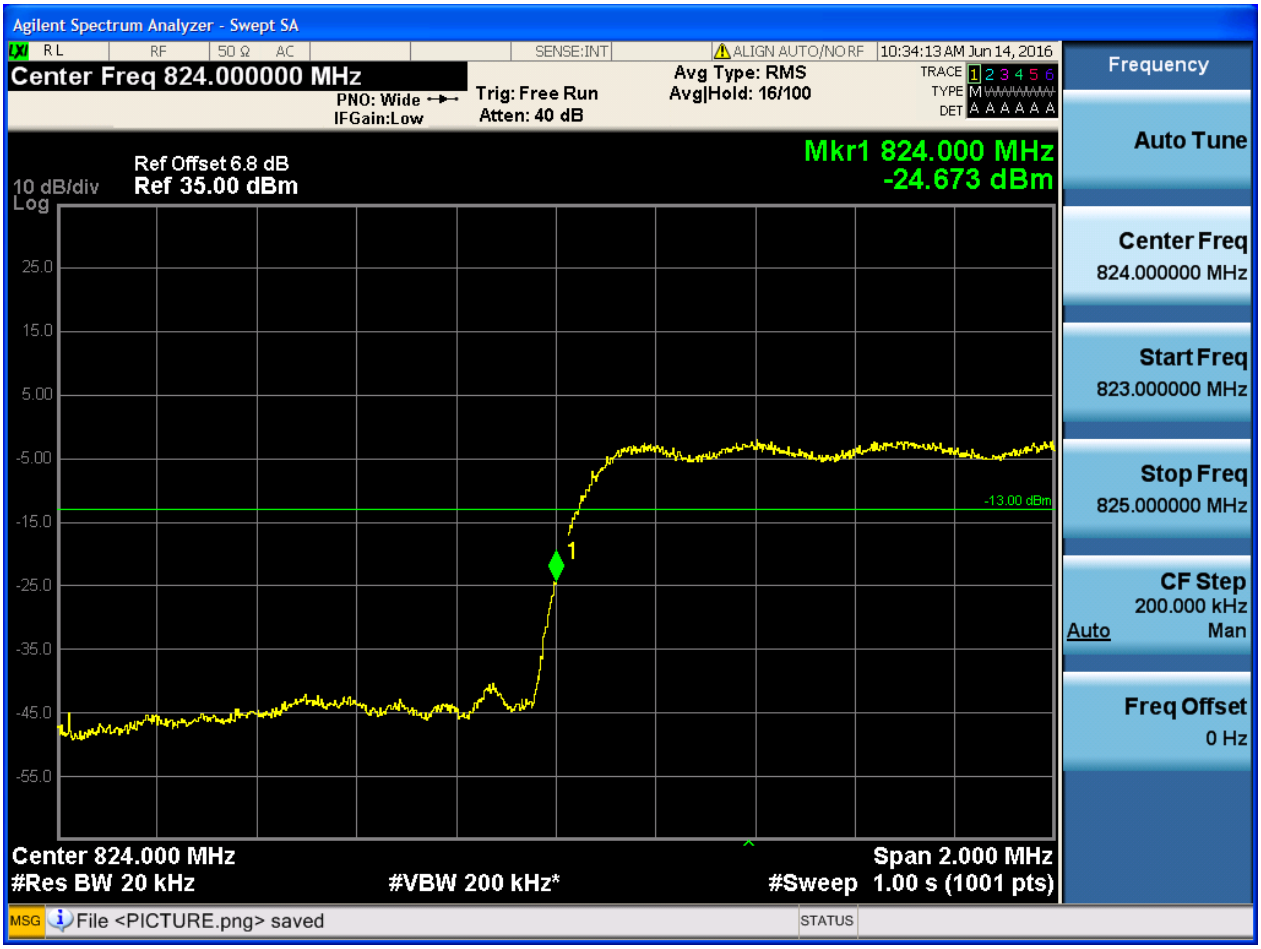
5.1.1.2 Test Mode = CDMA/1X/TM3

5.1.1.2.1 Test Channel = LCH



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5.1.1.2.2 Test Channel = HCH

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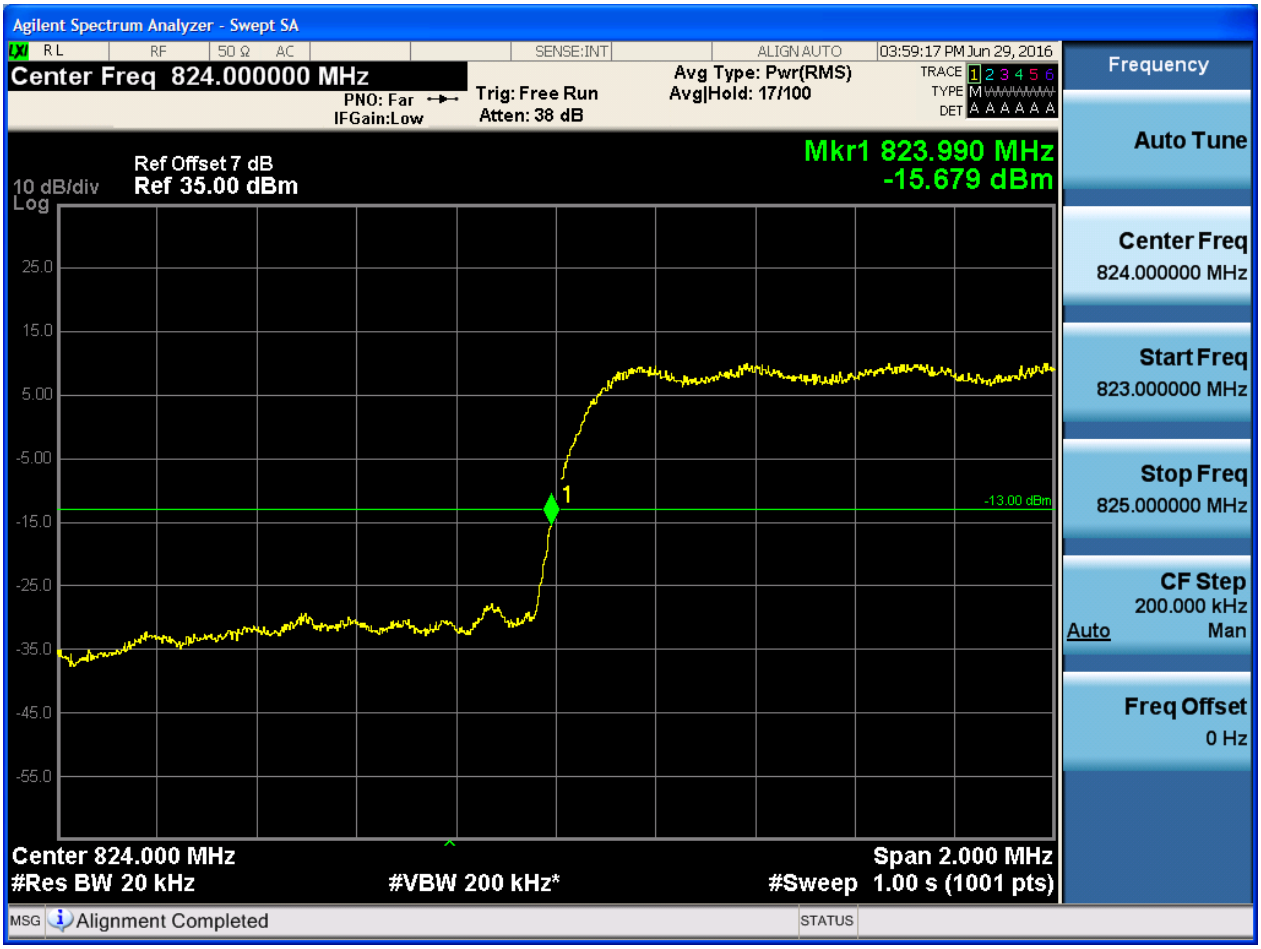
5.1.1.3 Test Mode = CDMA/EV-DO/Subtype0

5.1.1.3.1 Test Channel = LCH



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5.1.1.3.2 Test Channel = HCH

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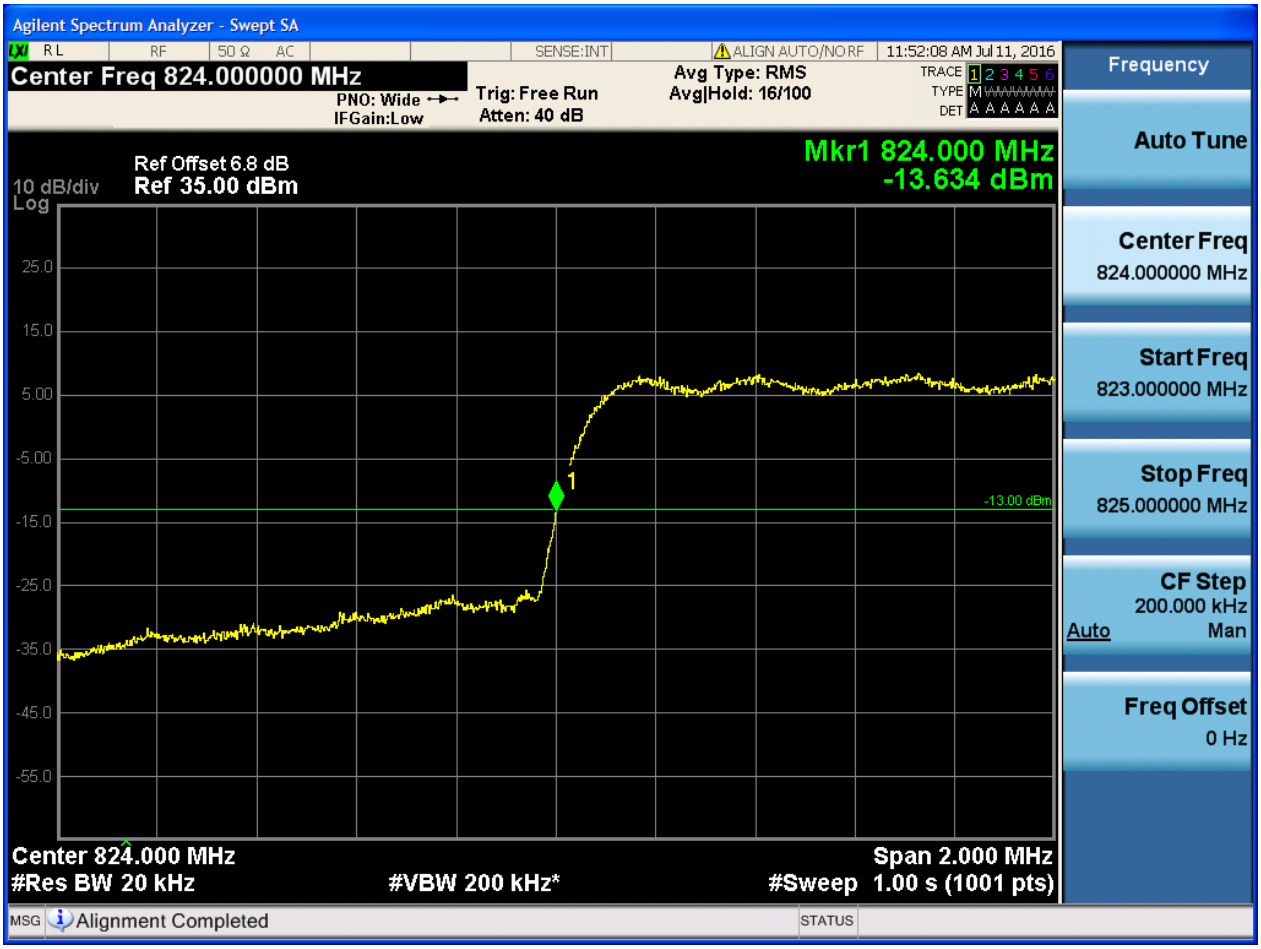
5.1.1.4 Test Mode = CDMA/EV-DO/Subtype2/256

5.1.1.4.1 Test Channel = LCH



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5.1.1.4.2 Test Channel = HCH

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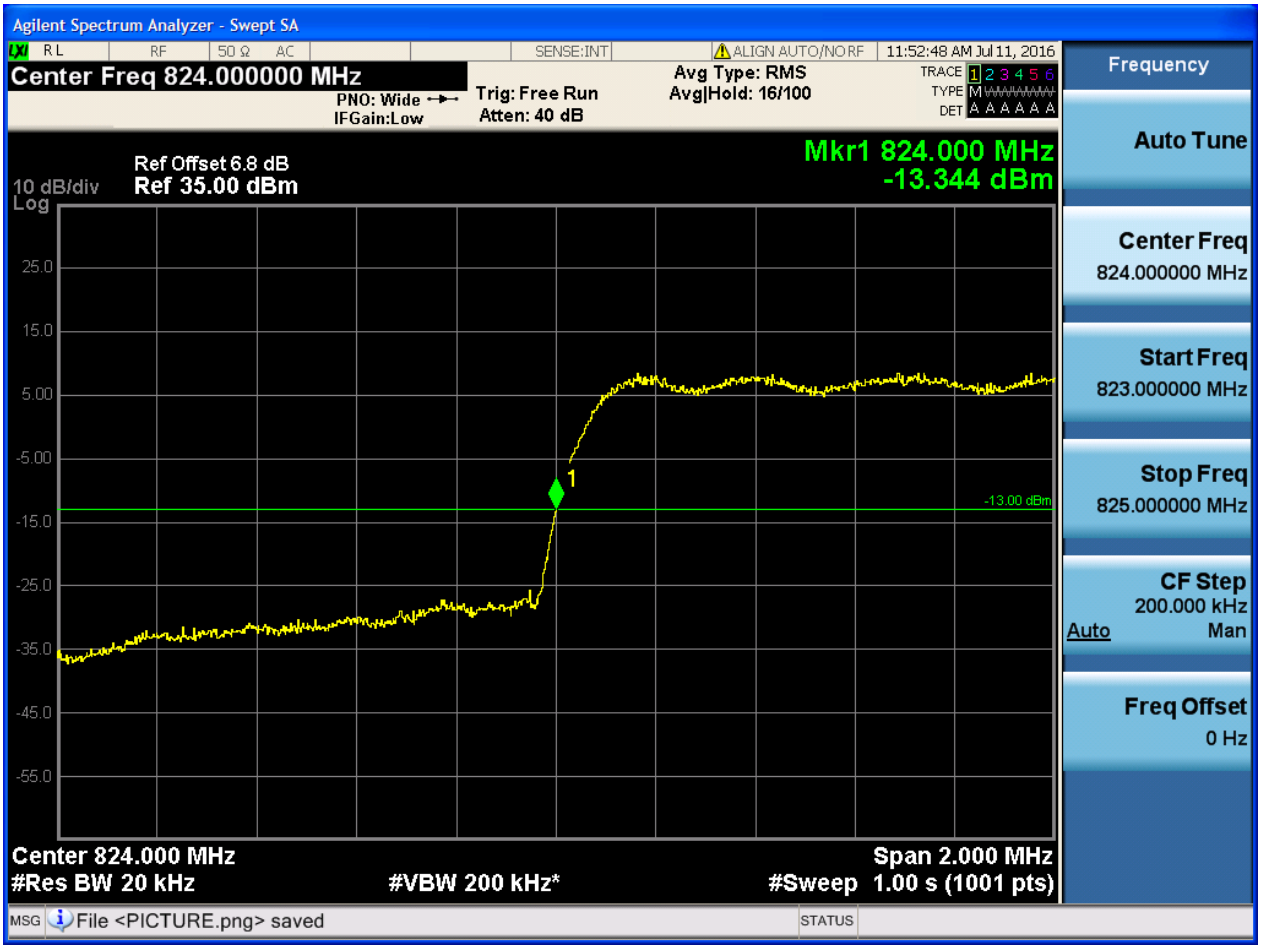
5.1.1.5 Test Mode = CDMA/EV-DO/Subtype2/4096

5.1.1.5.1 Test Channel = LCH



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5.1.1.5.2 Test Channel = HCH

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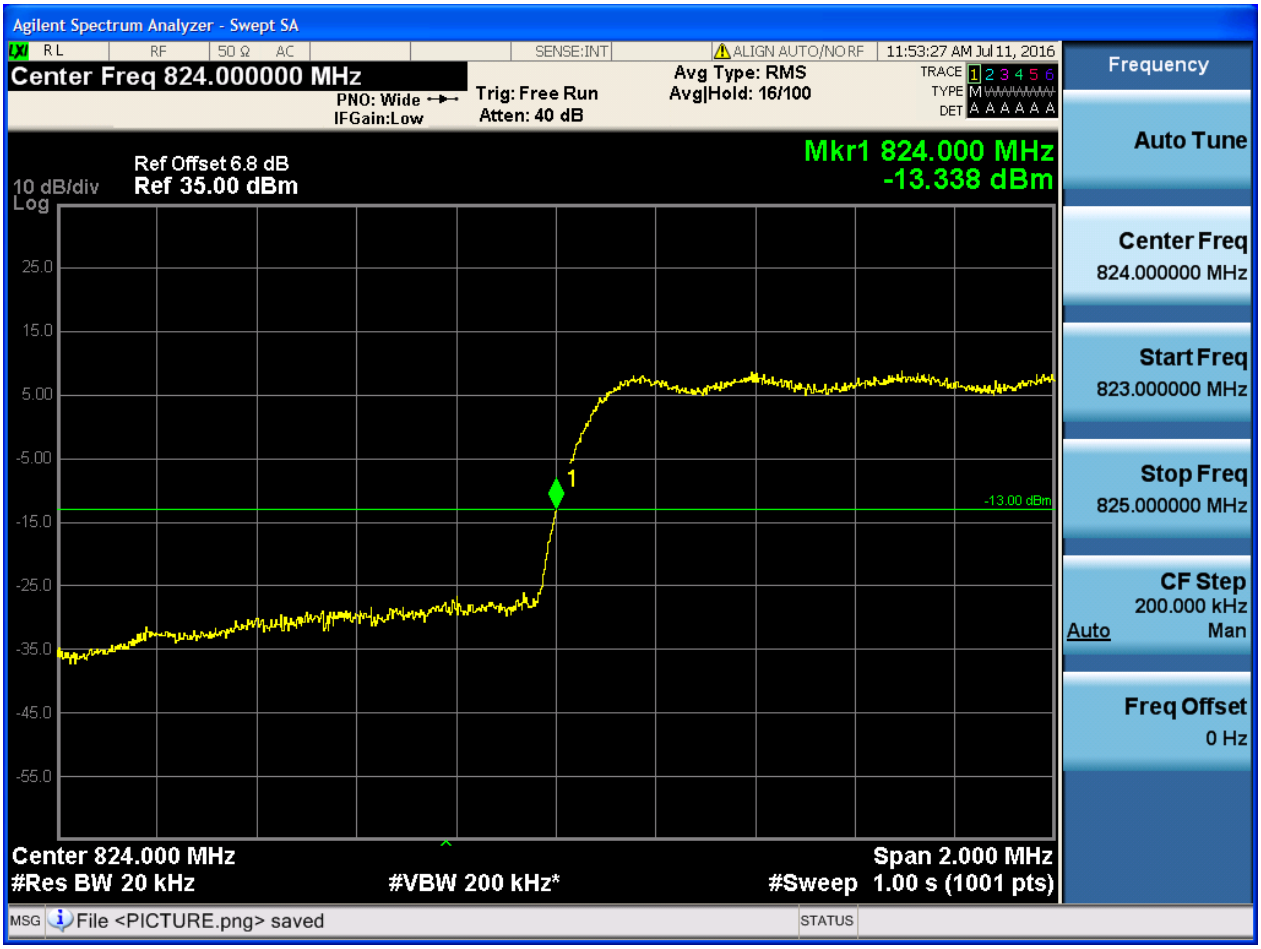
5.1.1.6 Test Mode = CDMA/EV-DO/Subtype2/12288

5.1.1.6.1 Test Channel = LCH



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5.1.1.6.1 Test Channel = HCH

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5.1.2 Test Band = BC1

5.1.2.1 Test Mode = CDMA/1X/TM1

5.1.2.1.1 Test Channel = LCH

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5.1.2.1.2 Test Channel = HCH

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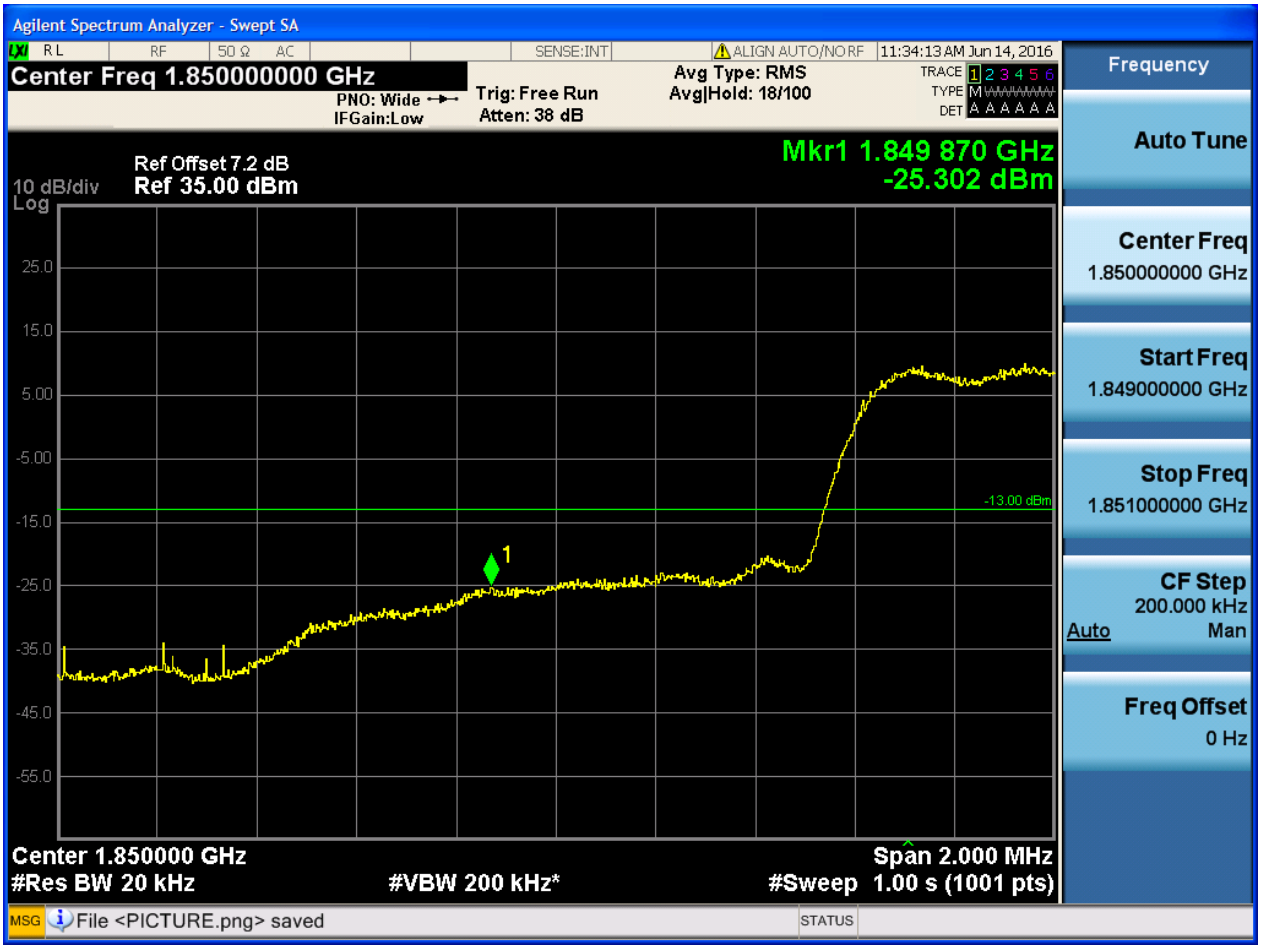
5.1.2.2 Test Mode = CDMA/1X/TM3

5.1.2.2.1 Test Channel = LCH



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5.1.2.2.2 Test Channel = HCH

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5.1.2.3 Test Mode = CDMA/EV-DO/Subtype0

5.1.2.3.1 Test Channel = LCH

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5.1.2.3.2 Test Channel = HCH

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5.1.2.4 Test Mode = CDMA/EV-DO/Subtype2/256

5.1.2.4.1 Test Channel = LCH

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5.1.2.4.2 Test Channel = HCH

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5.1.2.5 Test Mode = CDMA/EV-DO/Subtype2/4096

5.1.2.5.1 Test Channel = LCH

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5.1.2.5.2 Test Channel = HCH

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5.1.2.6 Test Mode = CDMA/EV-DO/Subtype2/12288

5.1.2.6.1 Test Channel = LCH

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5.1.2.6.2 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.

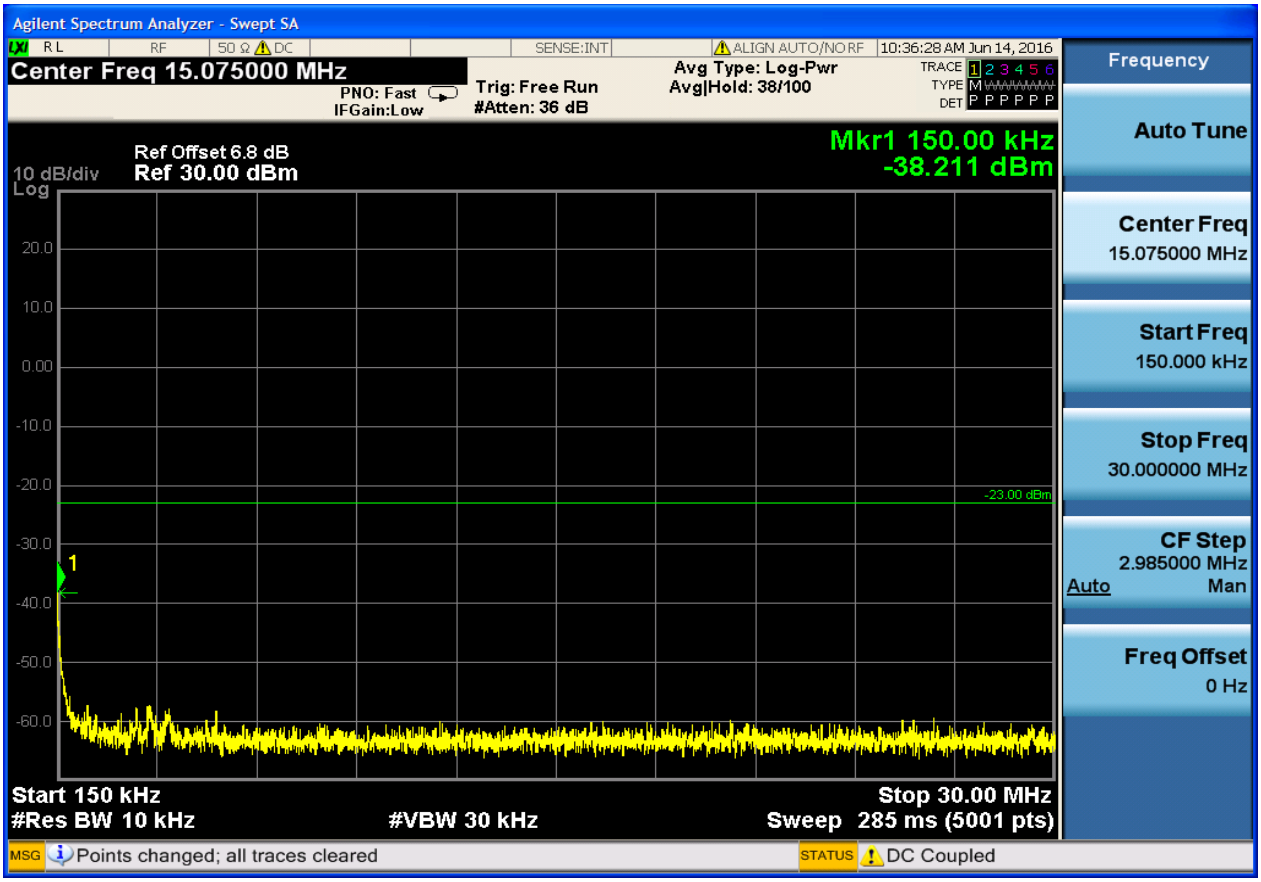
Part I - Test Plots

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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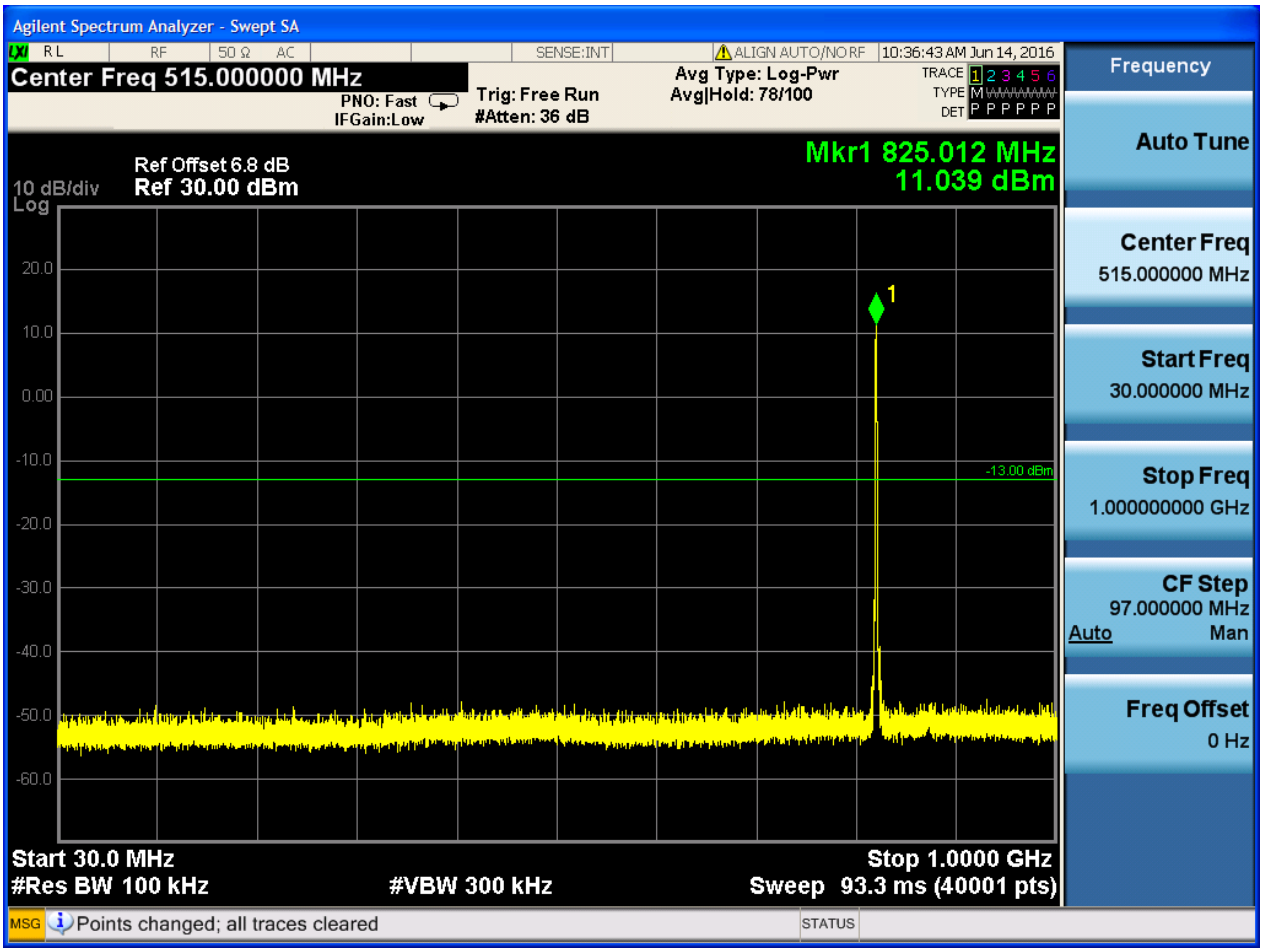

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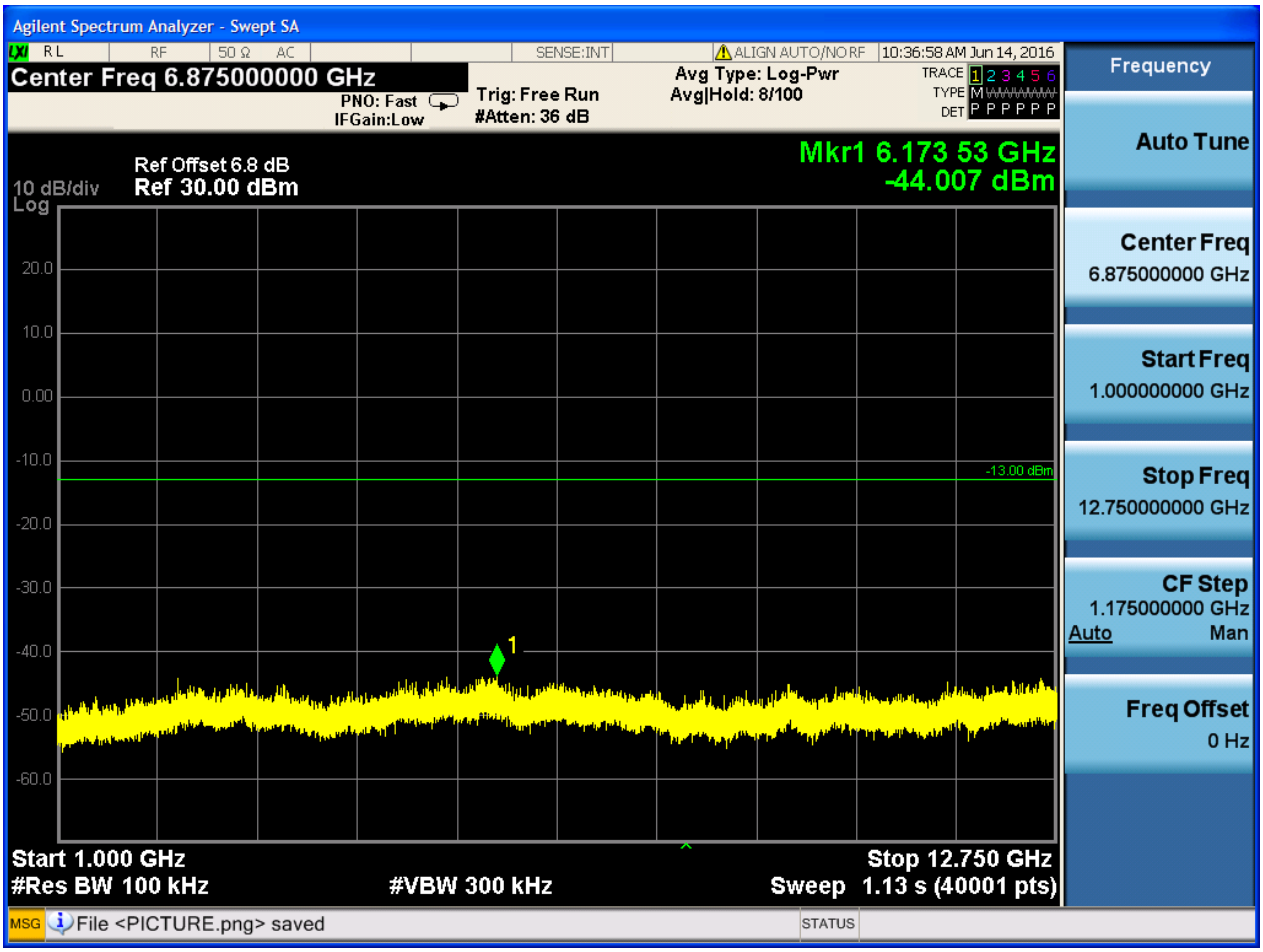

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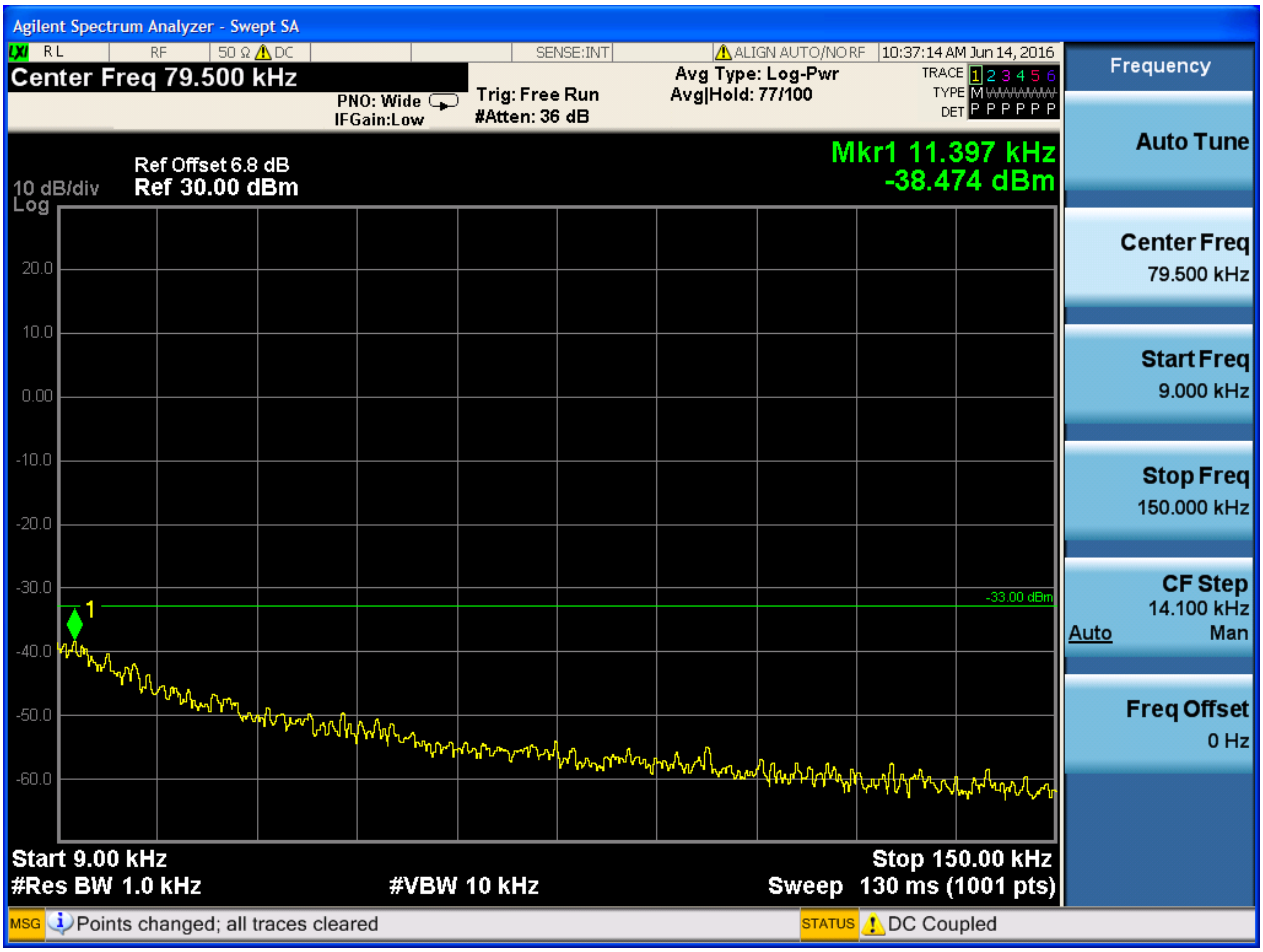
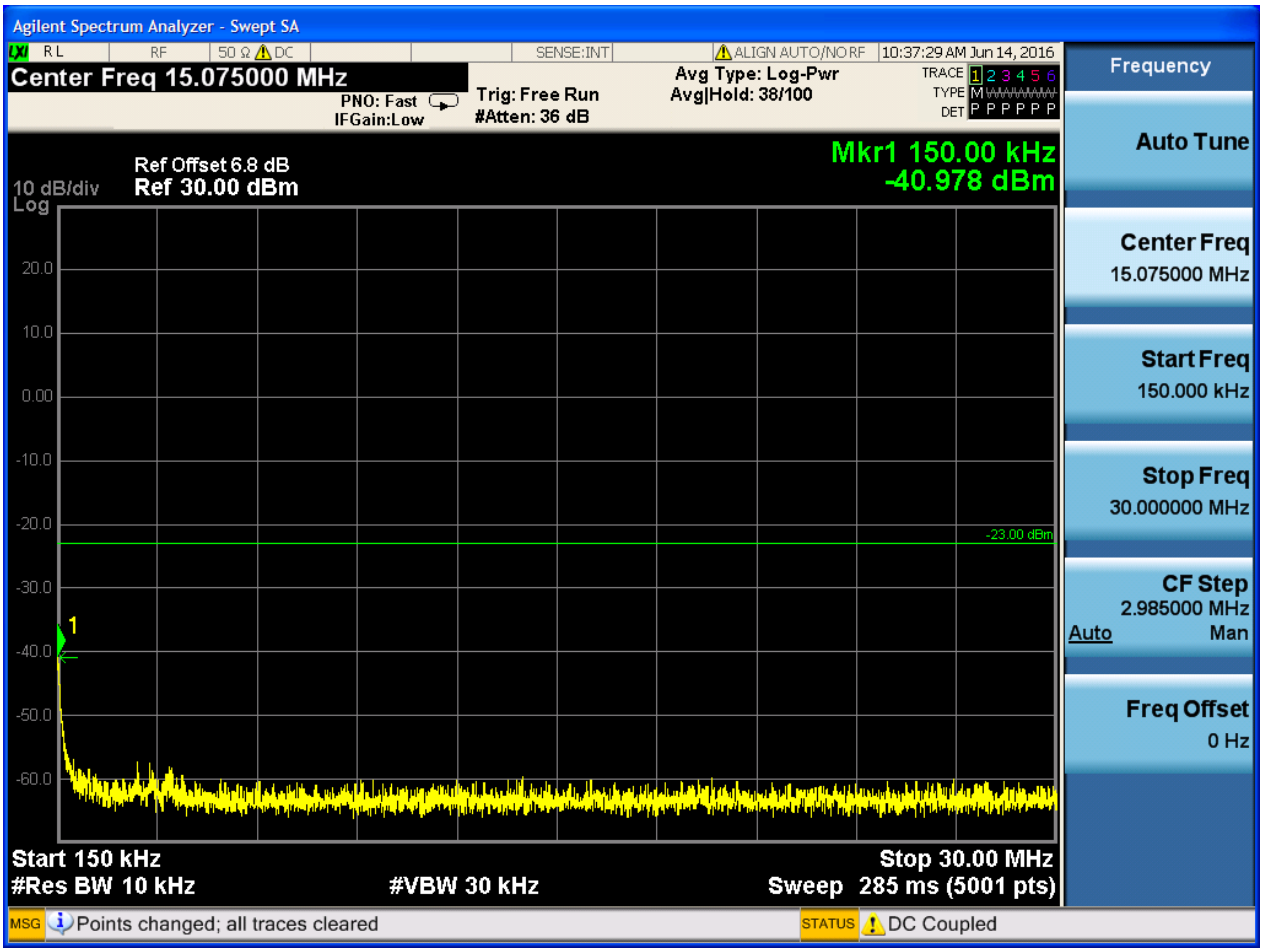
6.1.1.1.2 Test Channel = MCH





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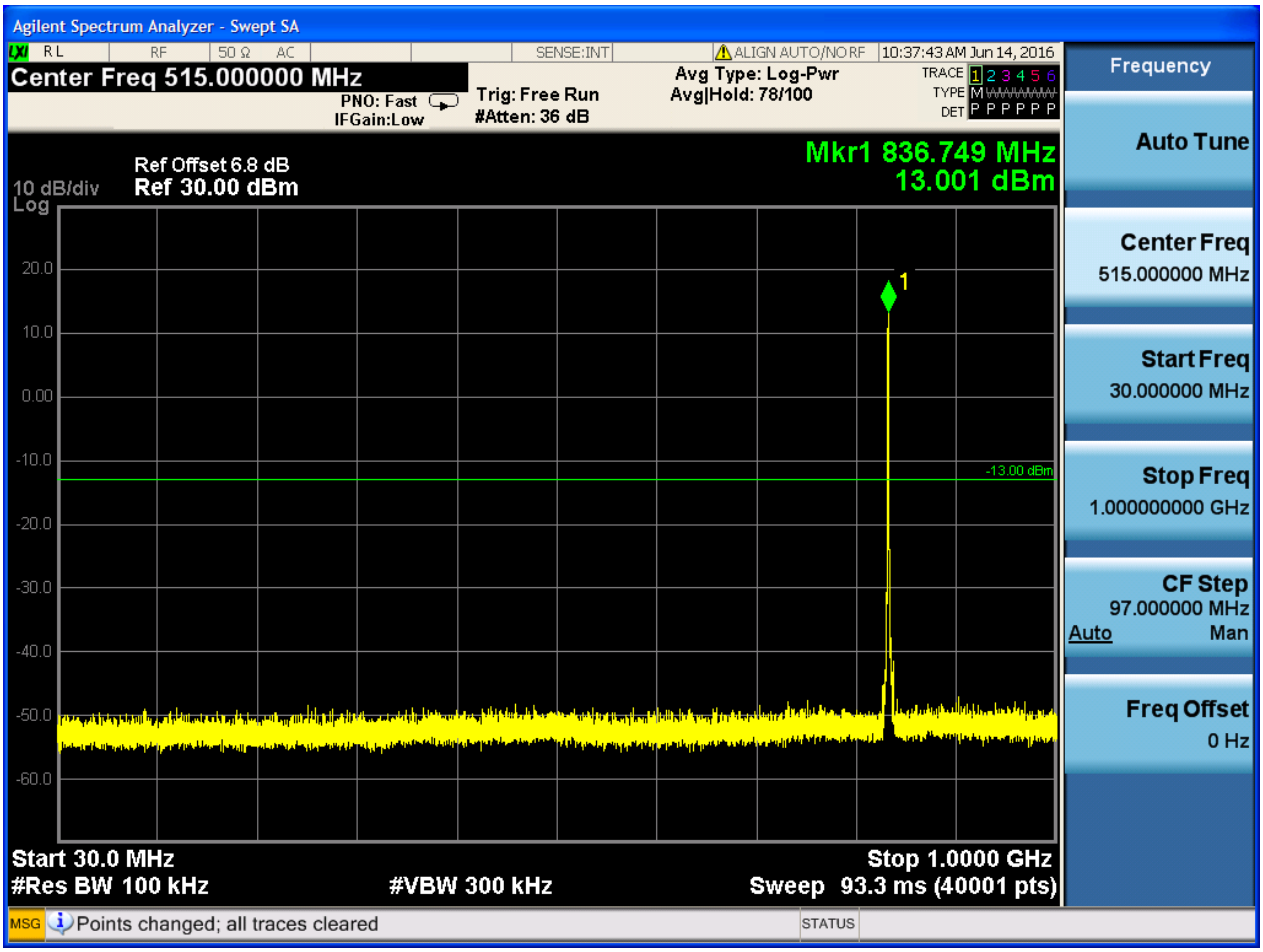

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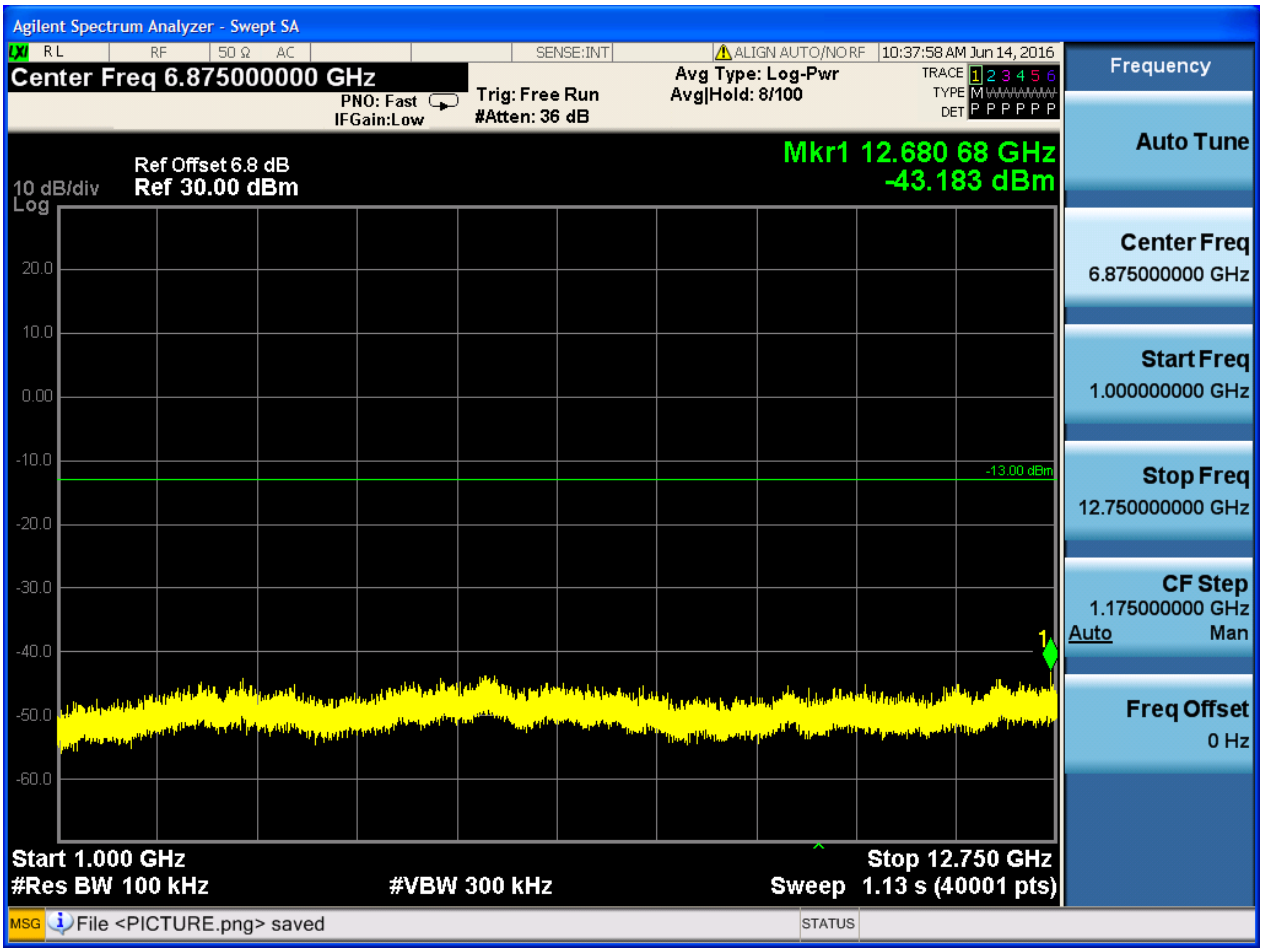

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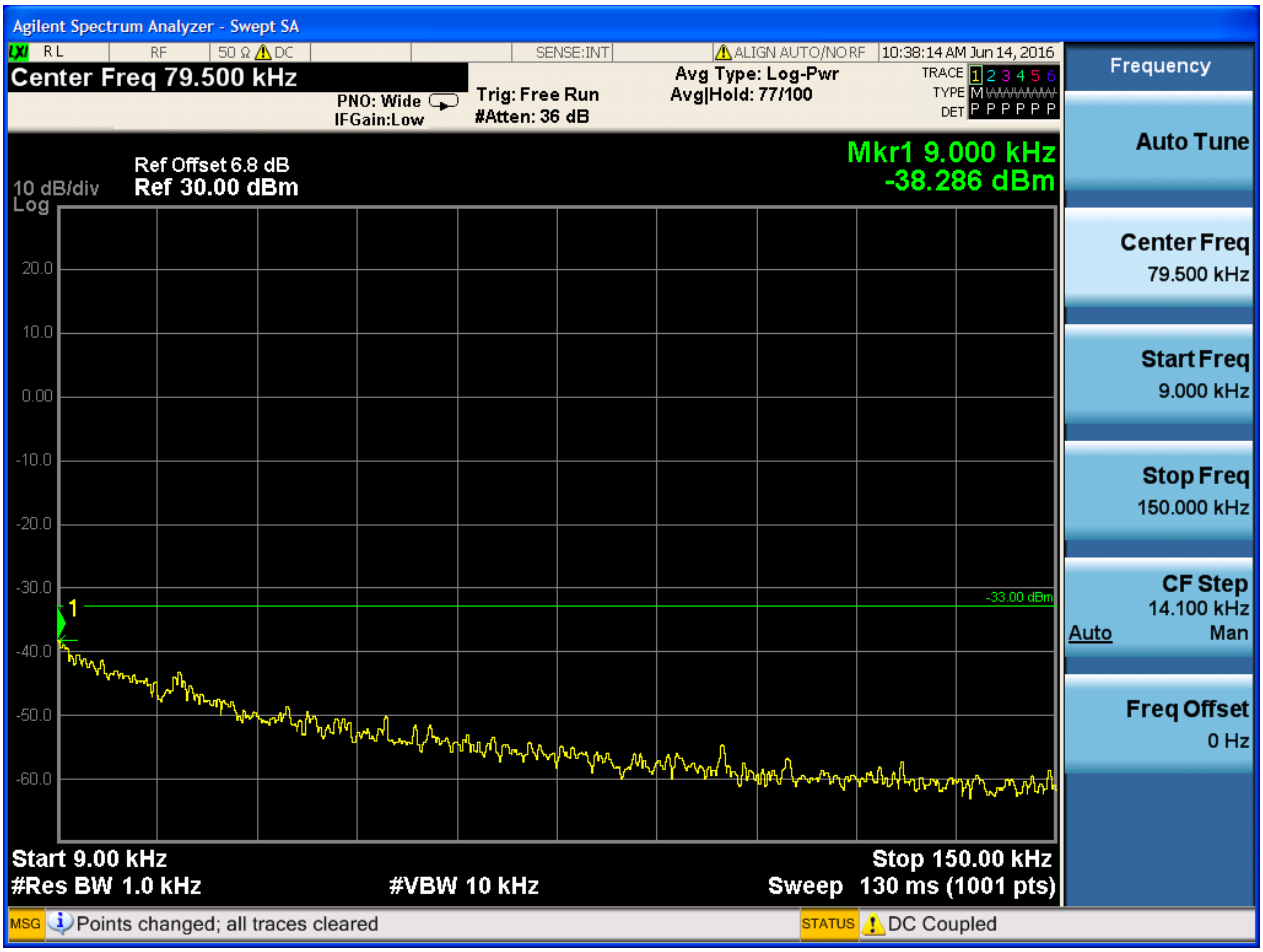
6.1.1.1.3 Test Channel = HCH



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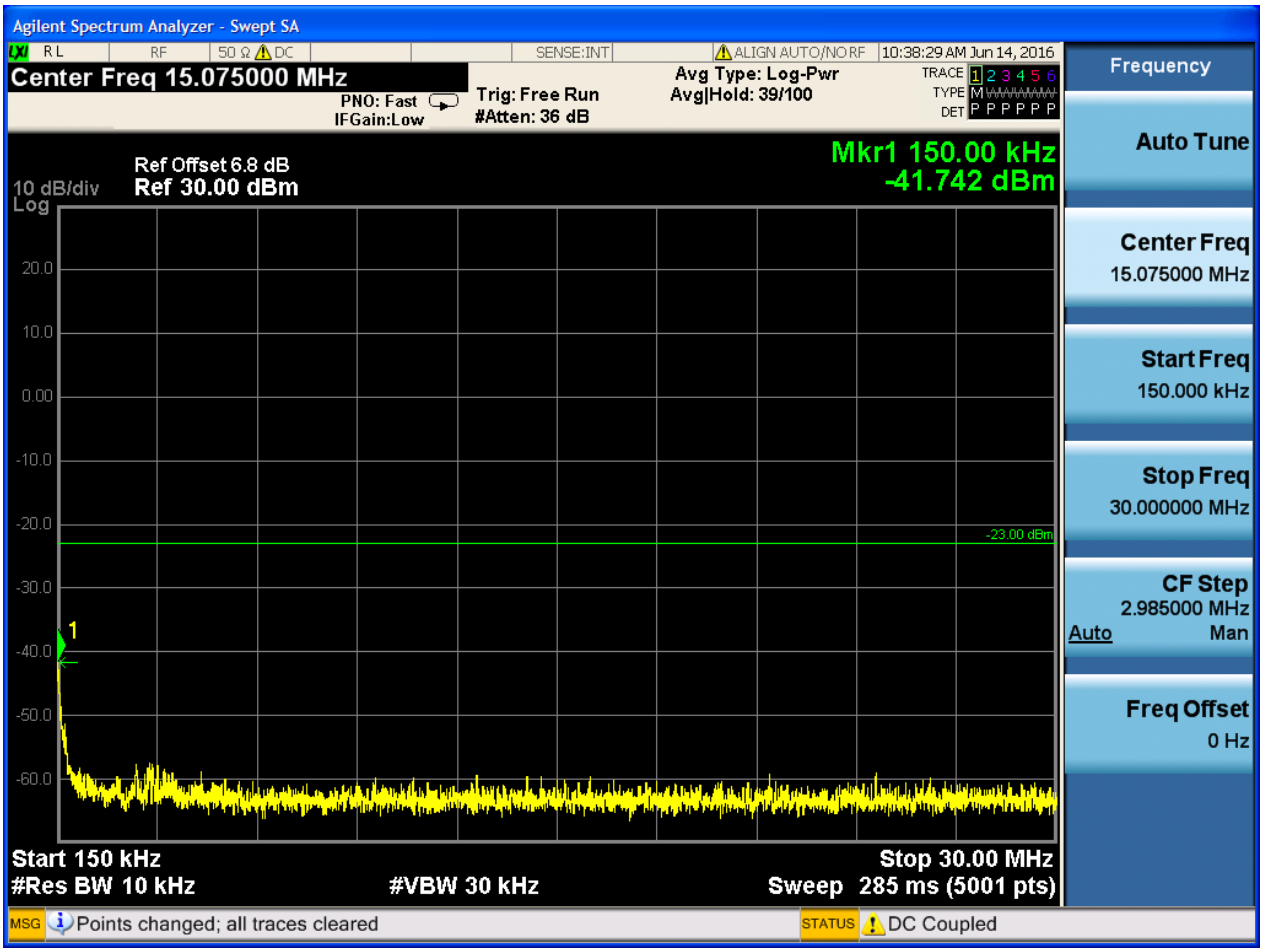

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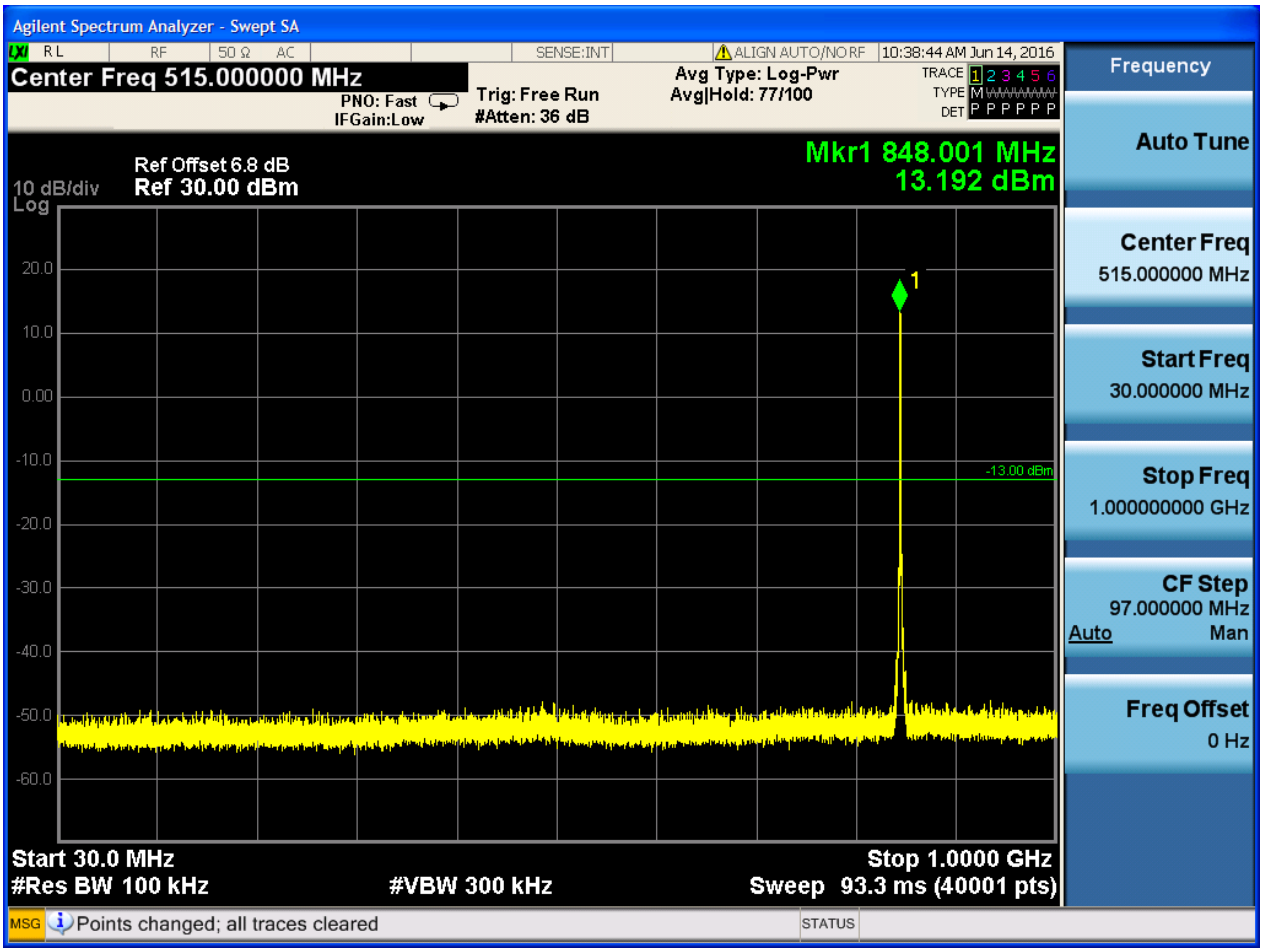

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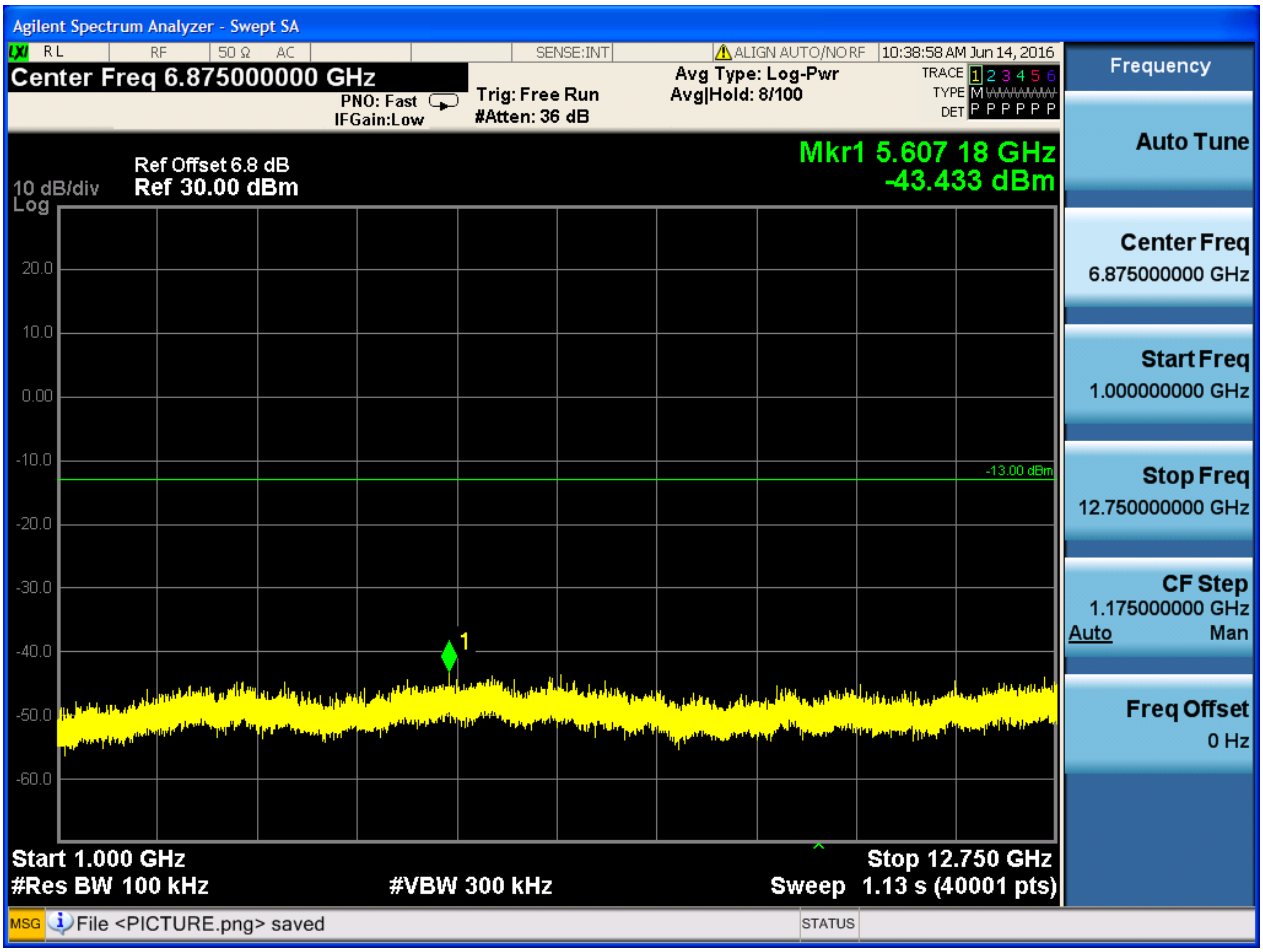

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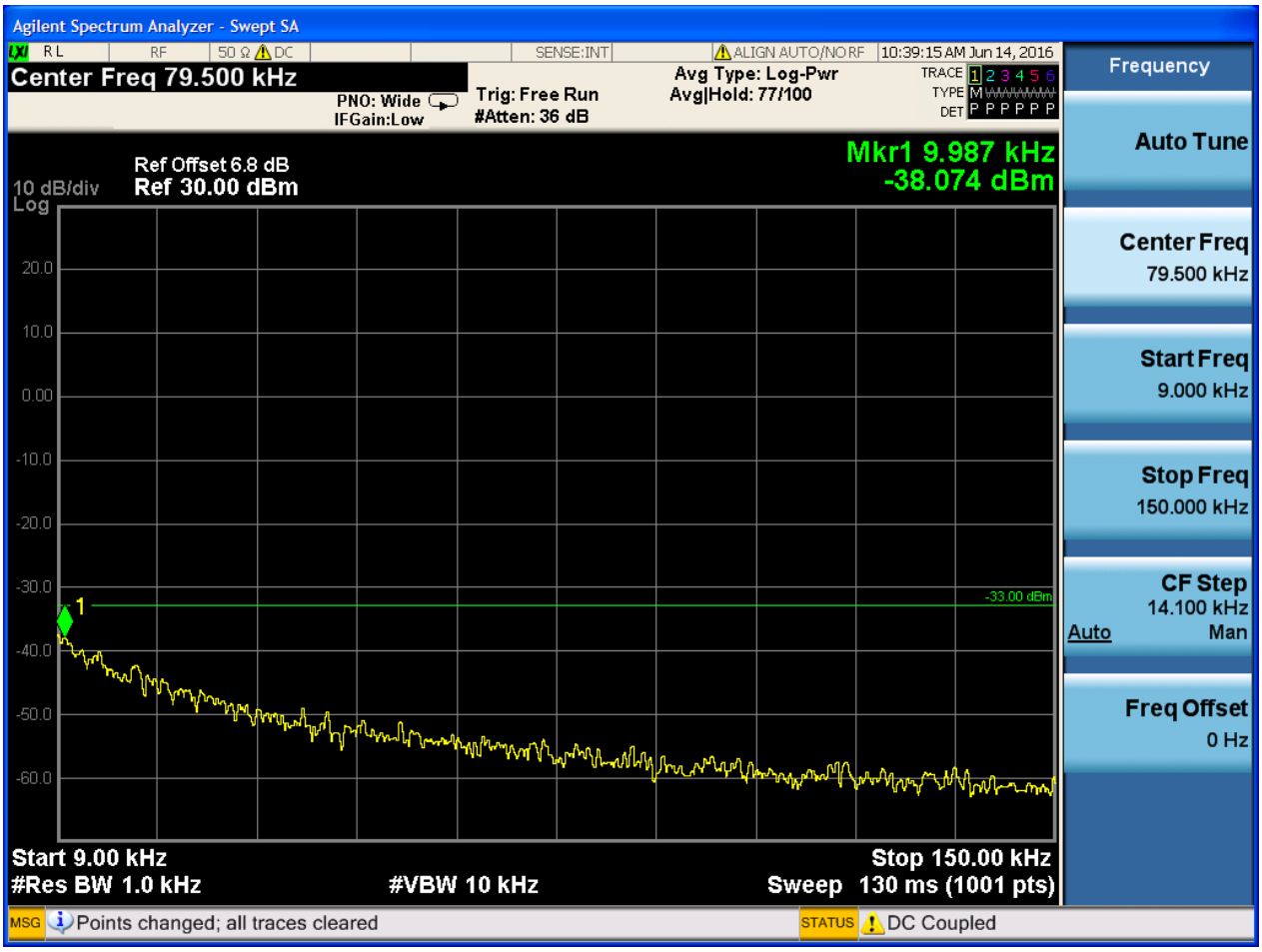
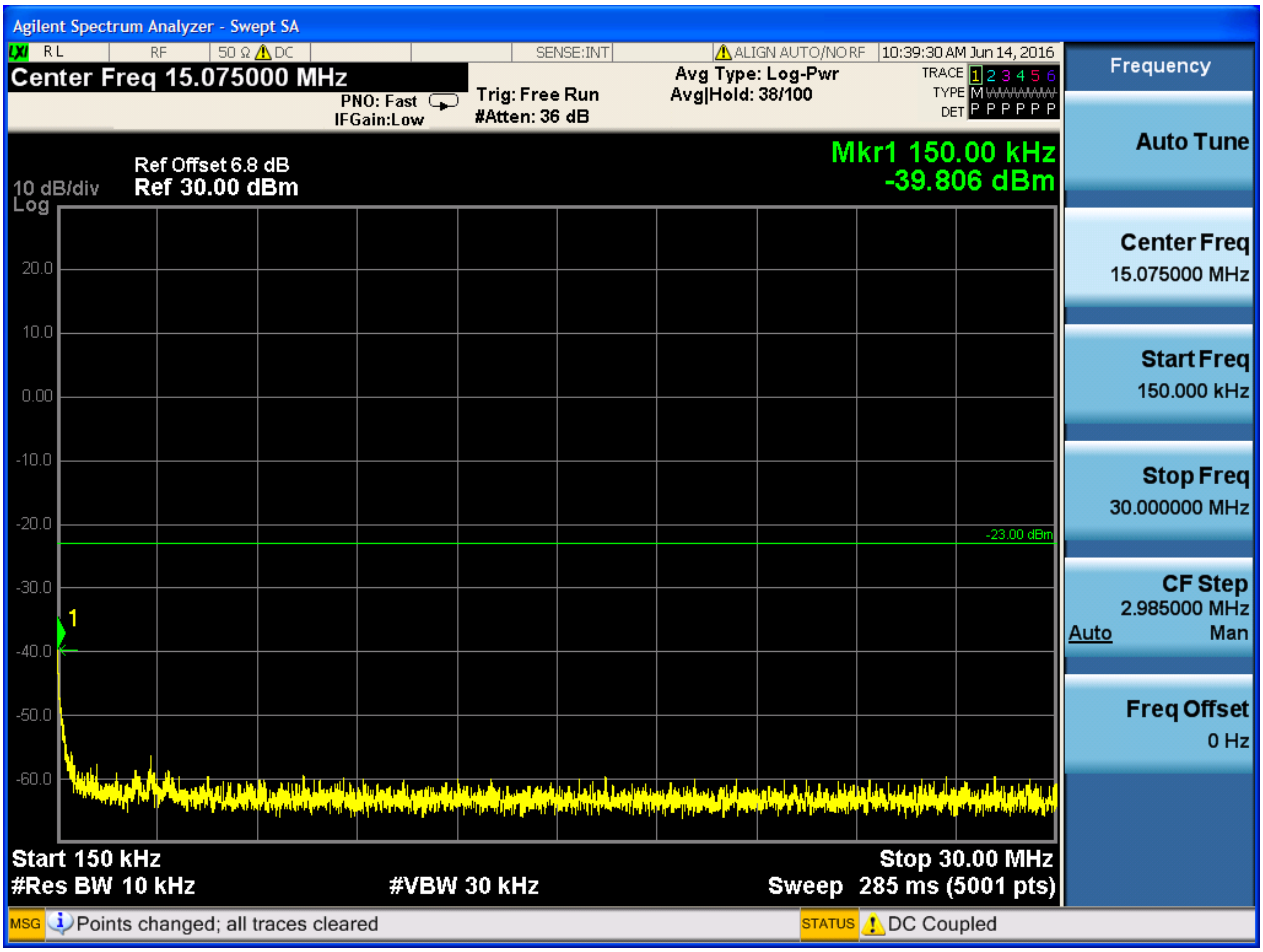
6.1.1.2 Test Mode = CDMA/1X/TM3

6.1.1.2.1 Test Channel = LCH





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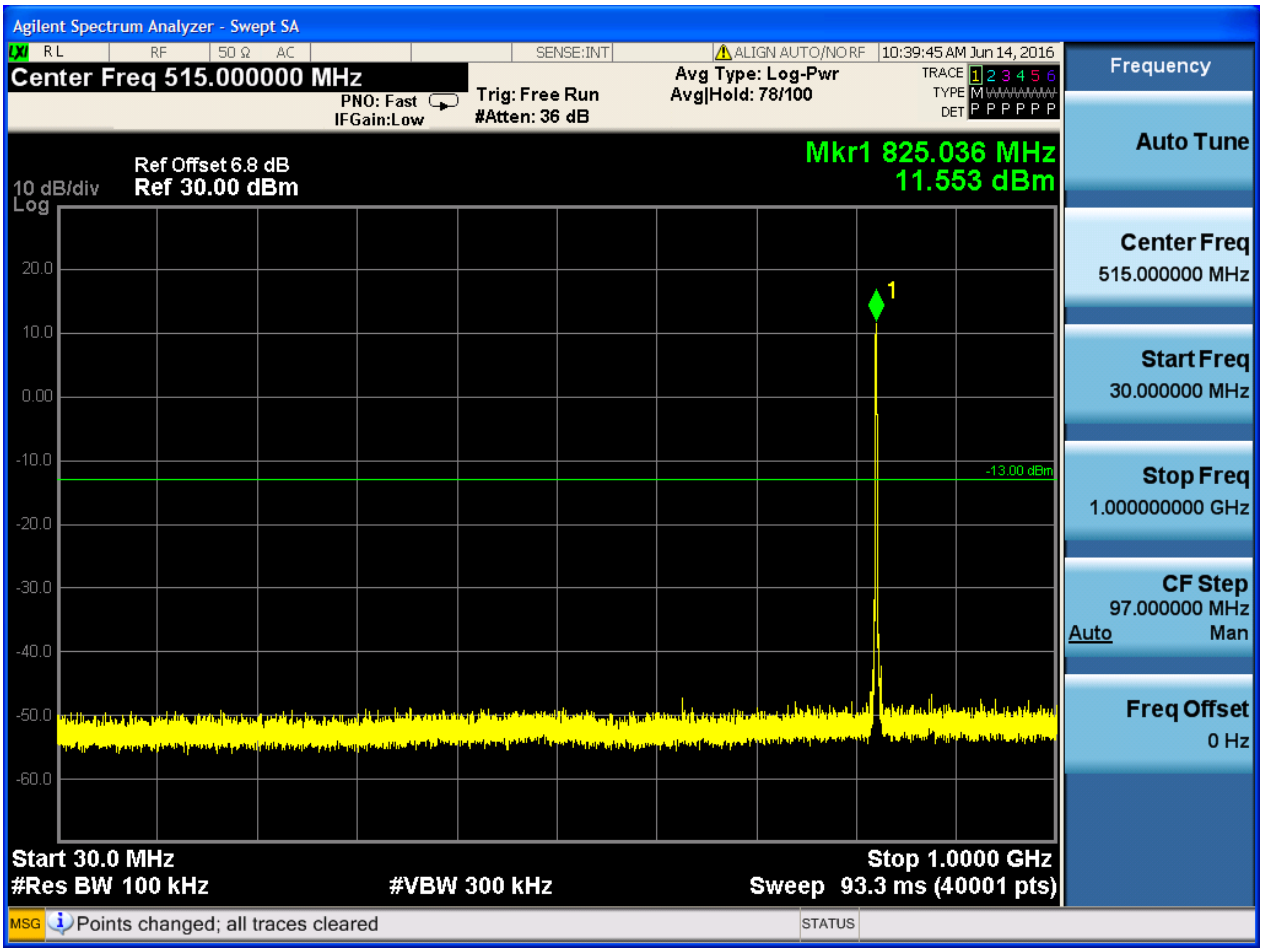

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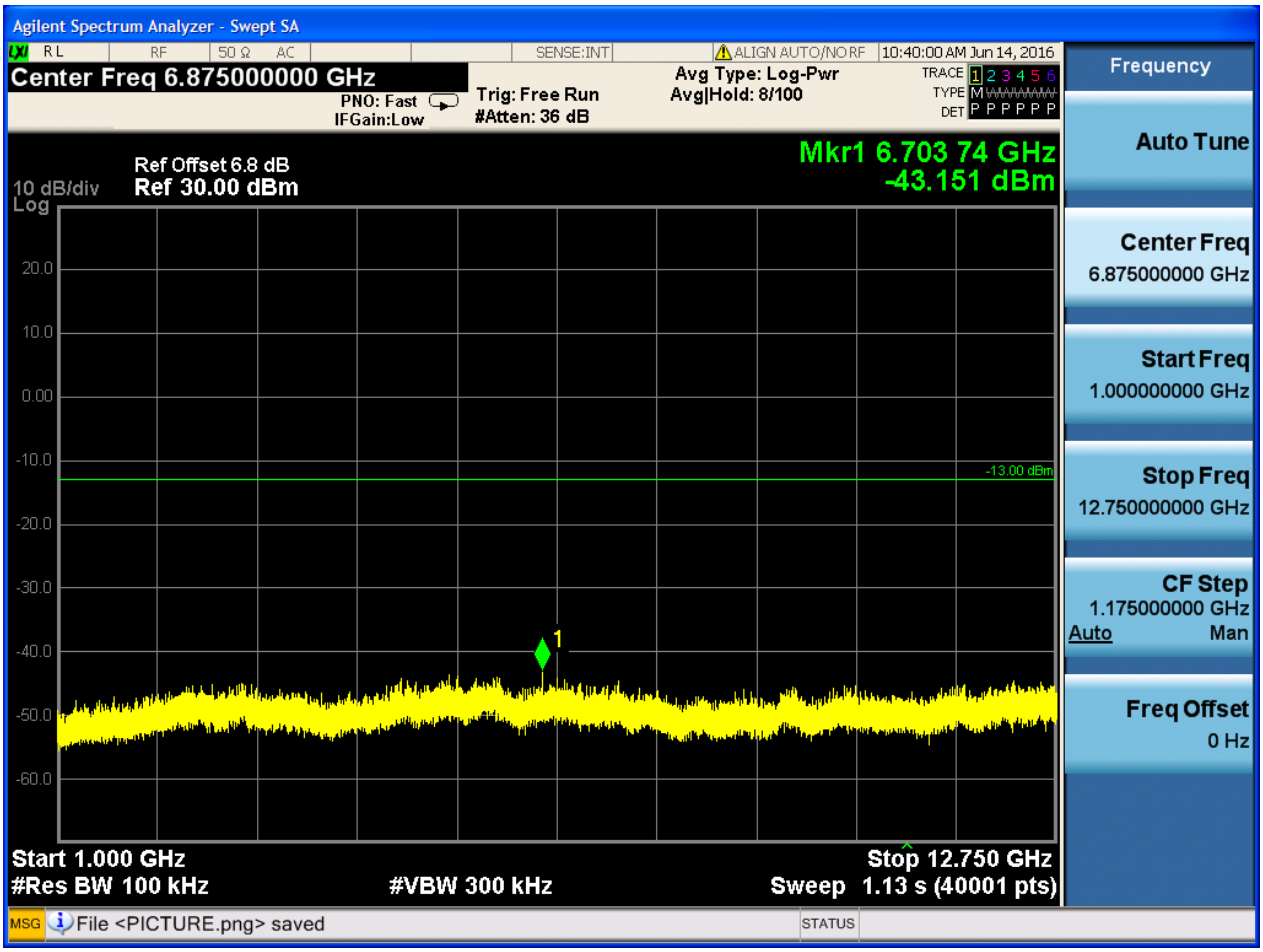

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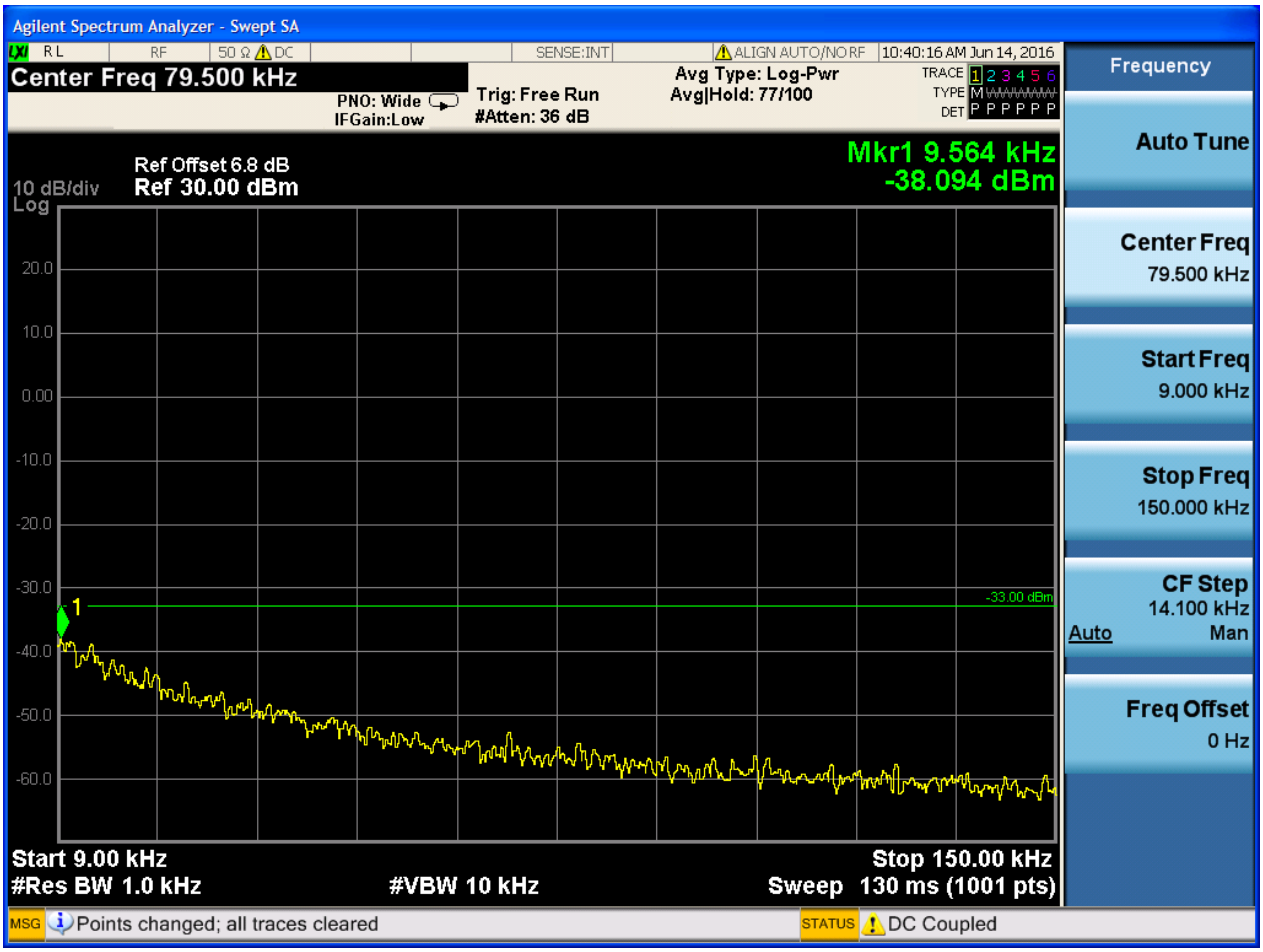
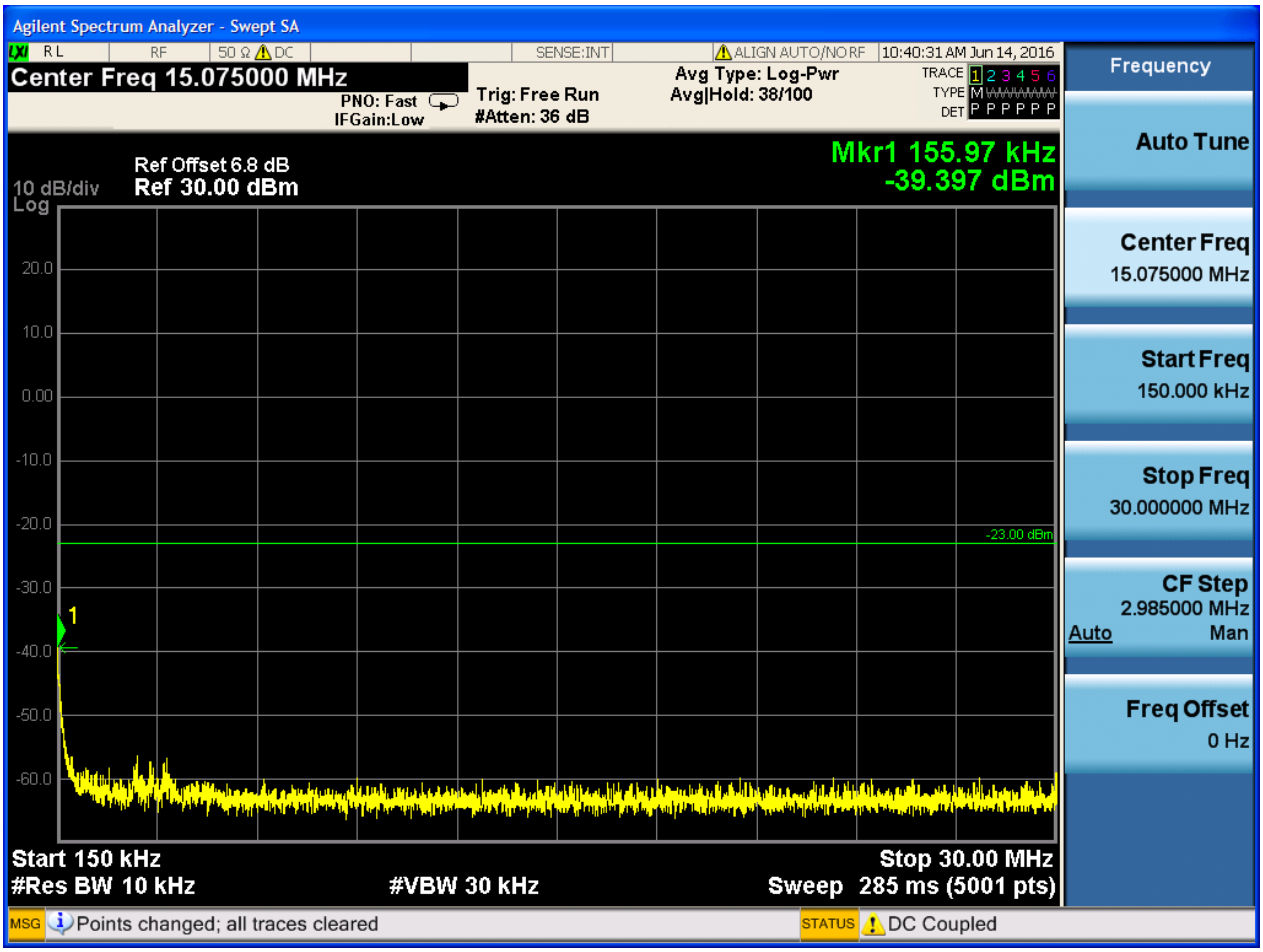
6.1.1.2.2 Test Channel = MCH





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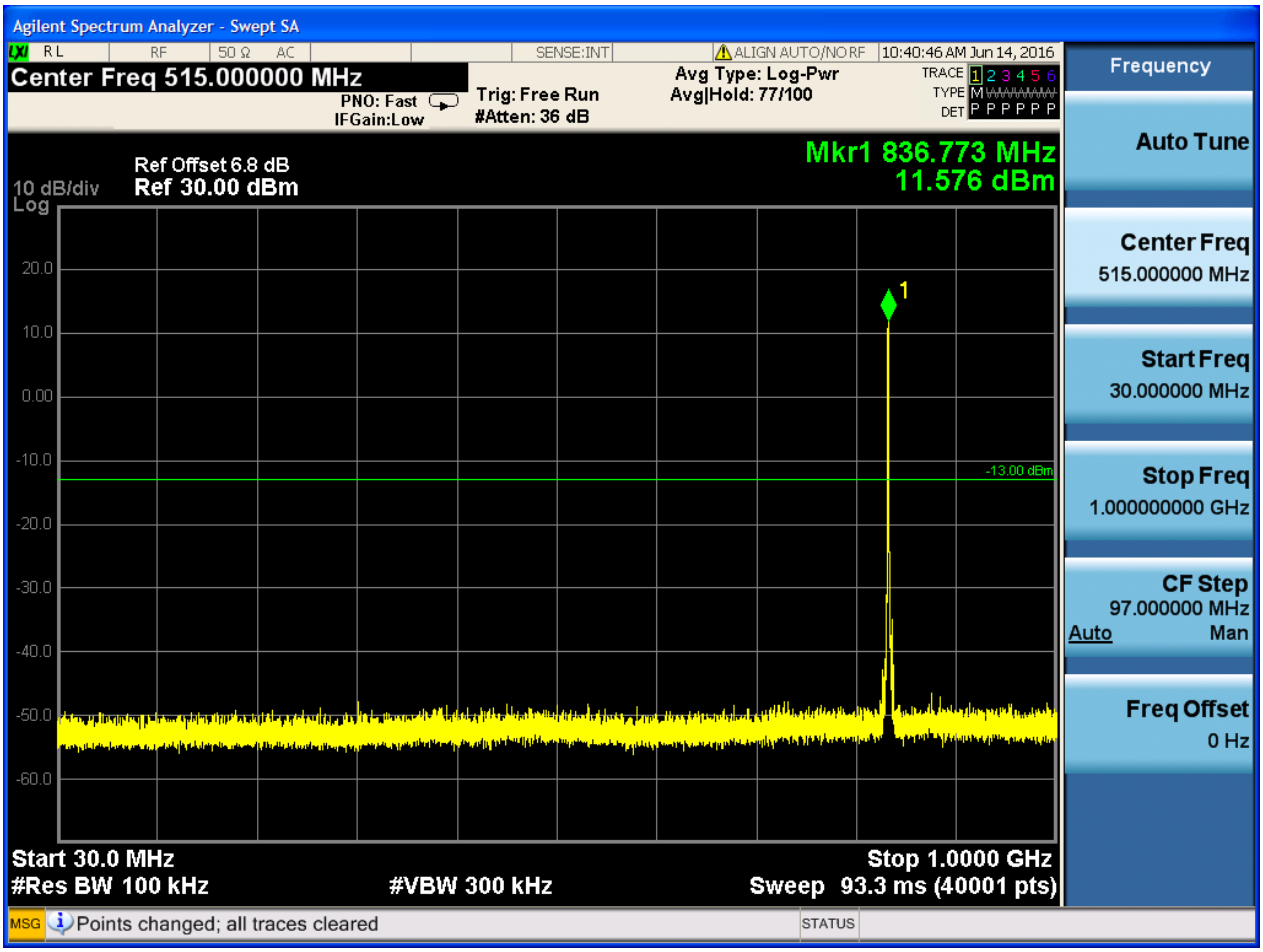

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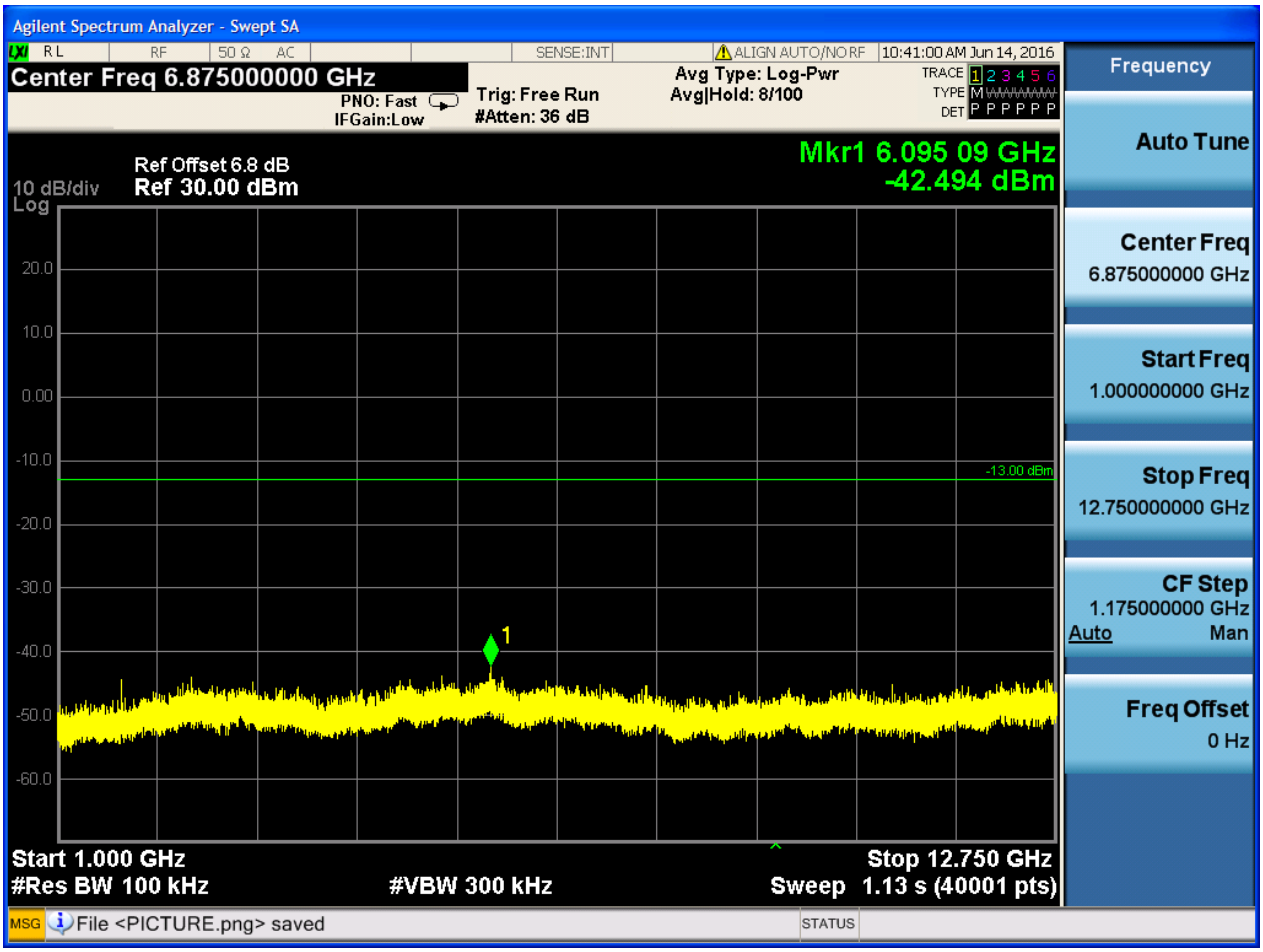

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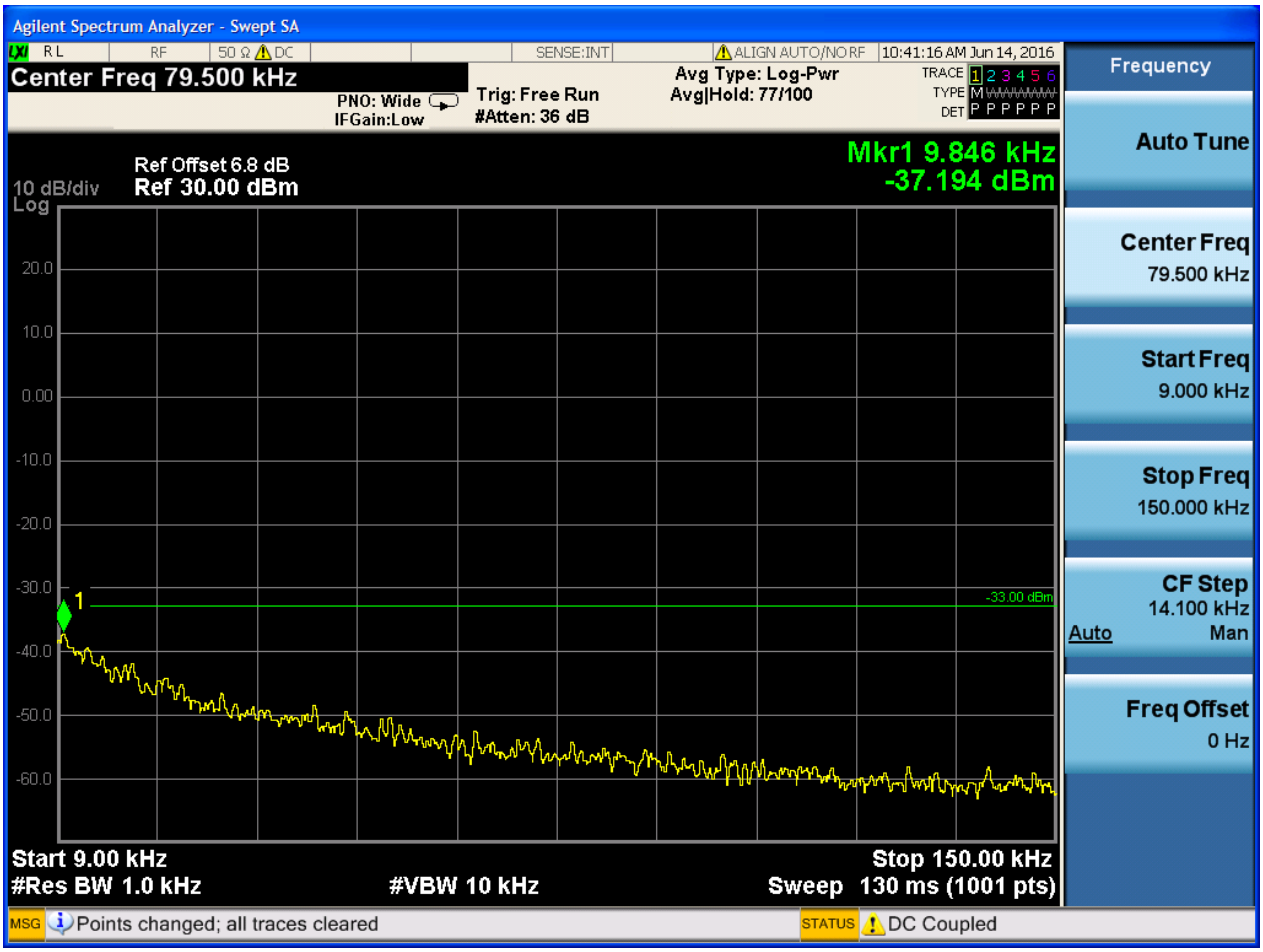
6.1.1.2.3 Test Channel = HCH



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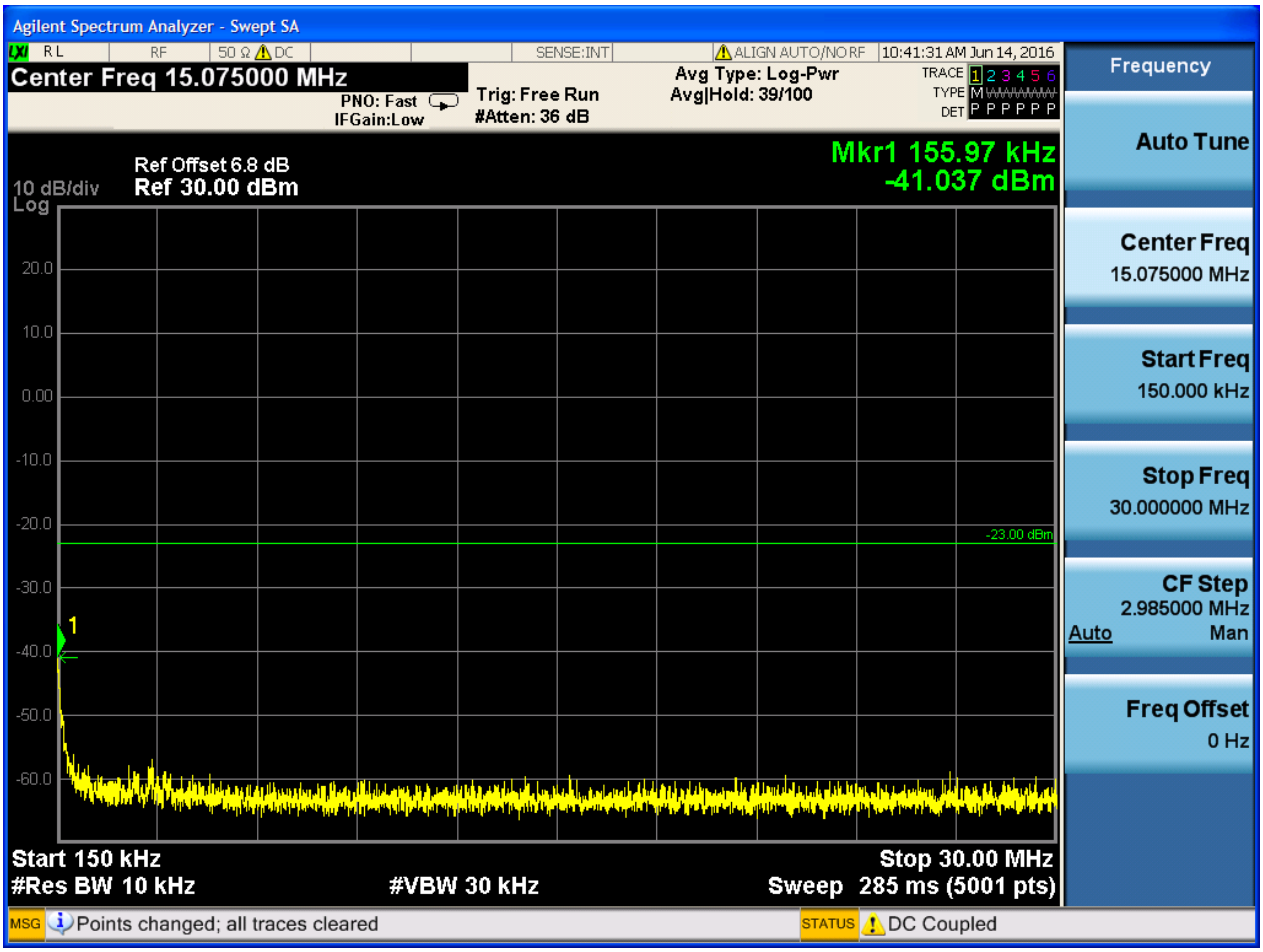

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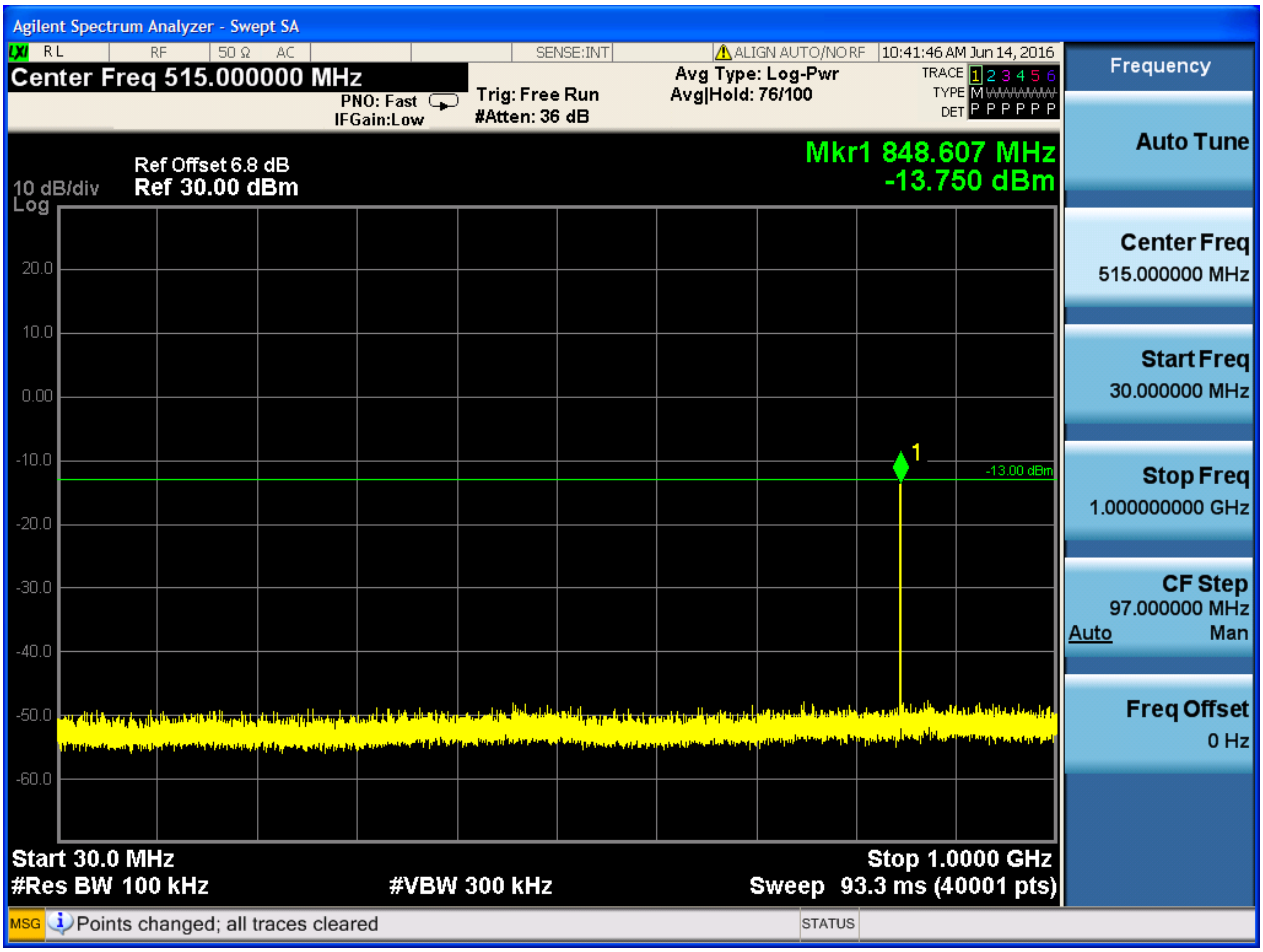

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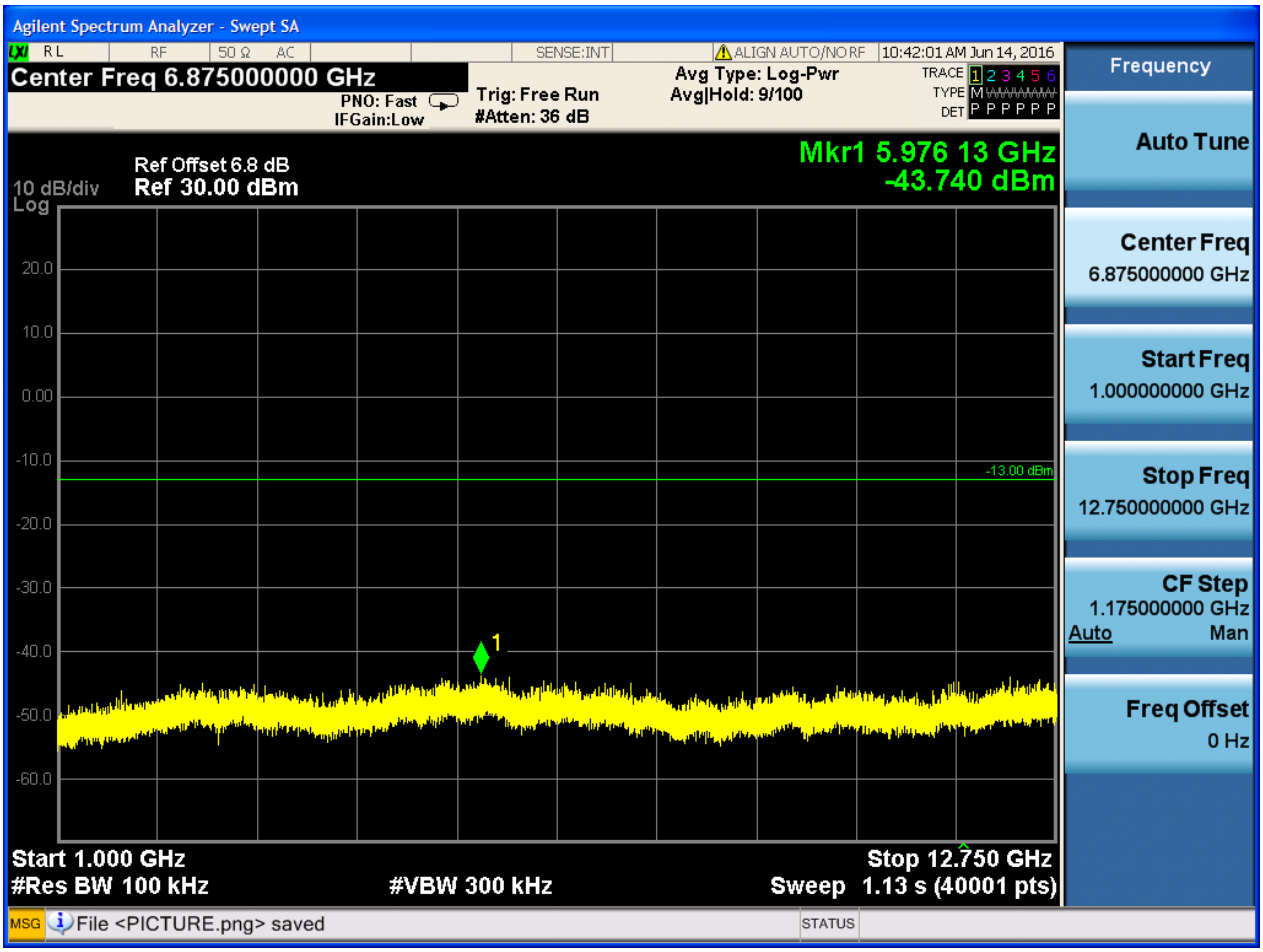

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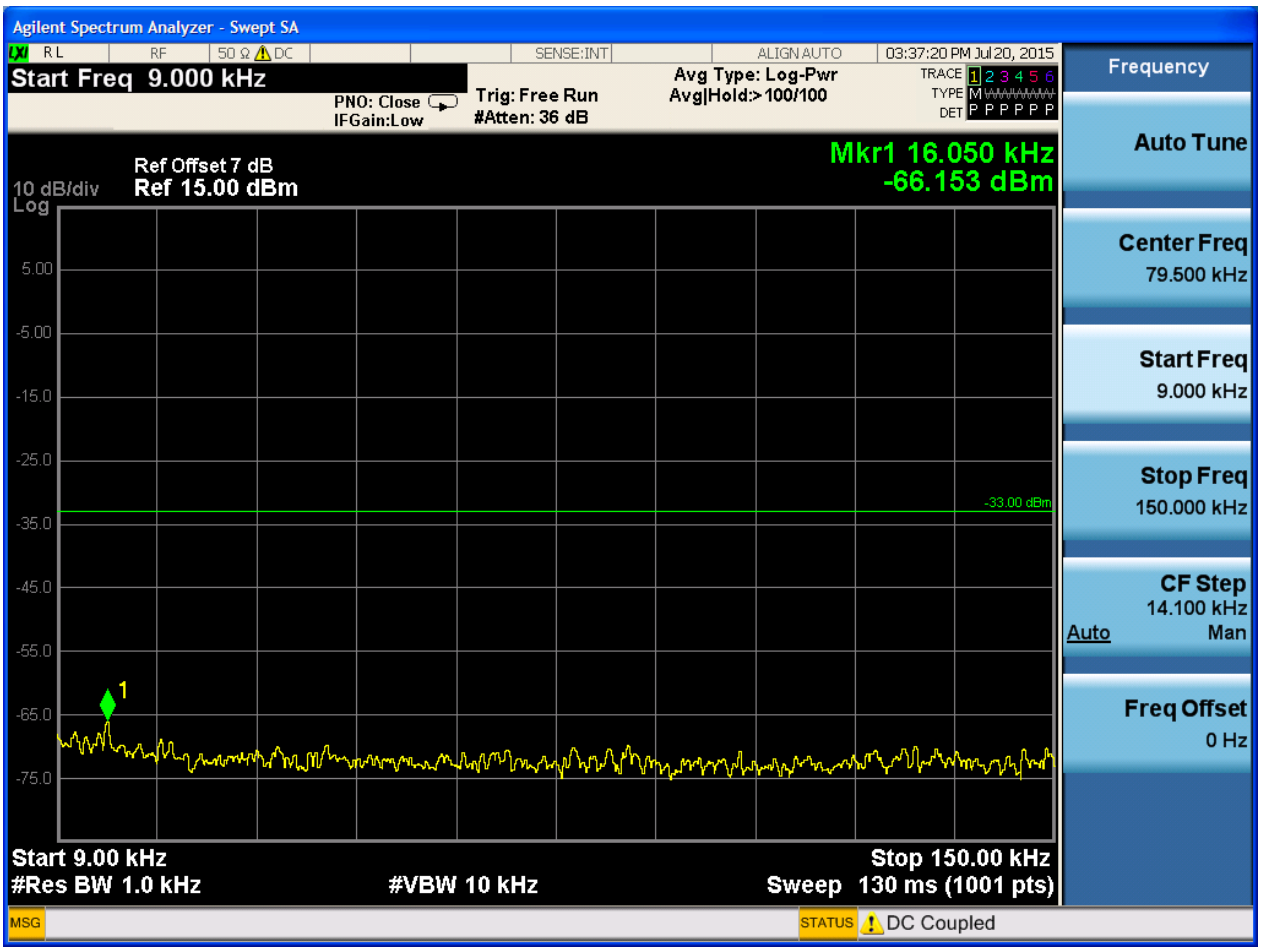
6.1.1.3 Test Mode = CDMA/EV-DO/Subtype0

6.1.1.3.1 Test Channel = LCH



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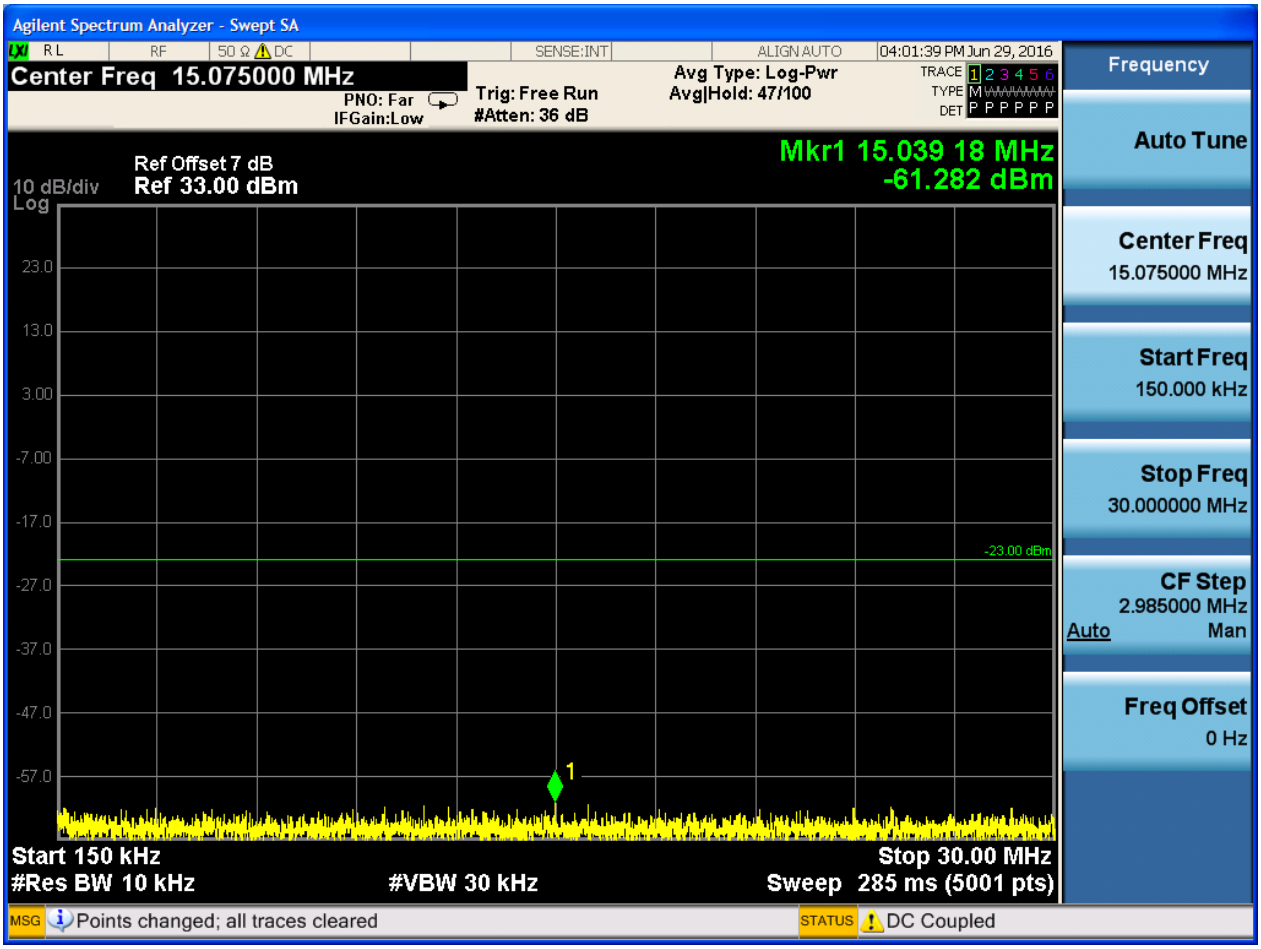

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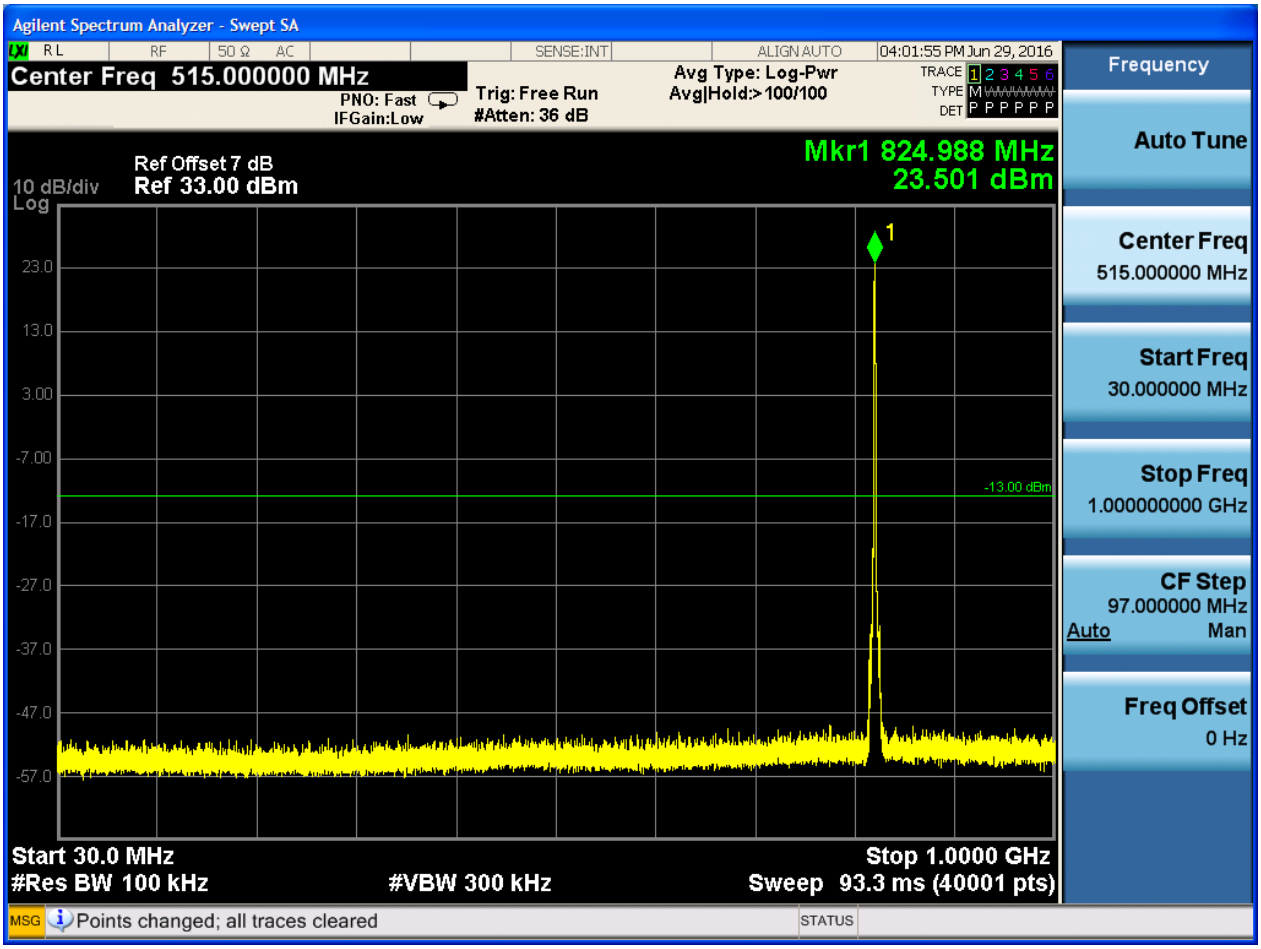

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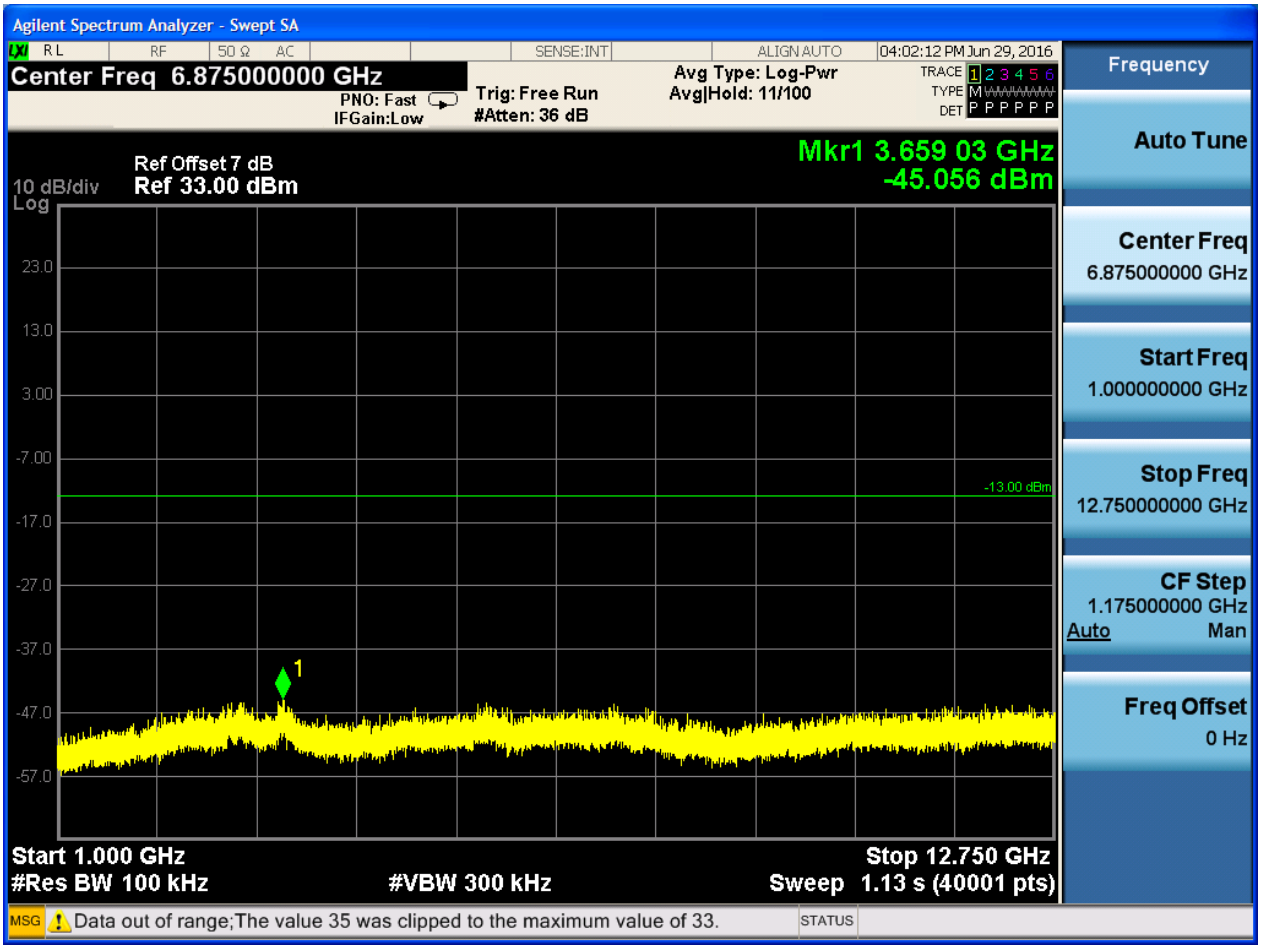

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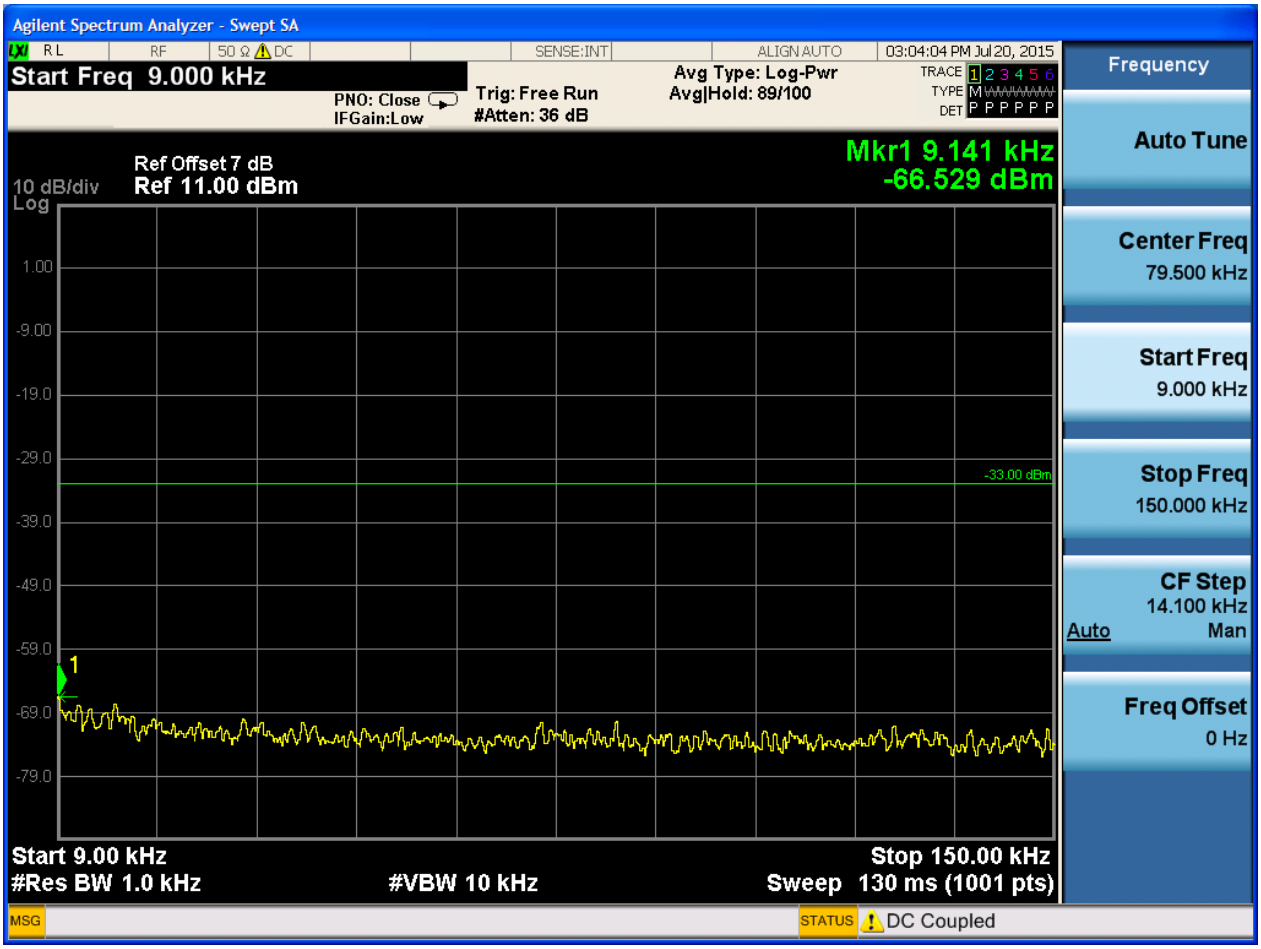
6.1.1.3.2 Test Channel = MCH



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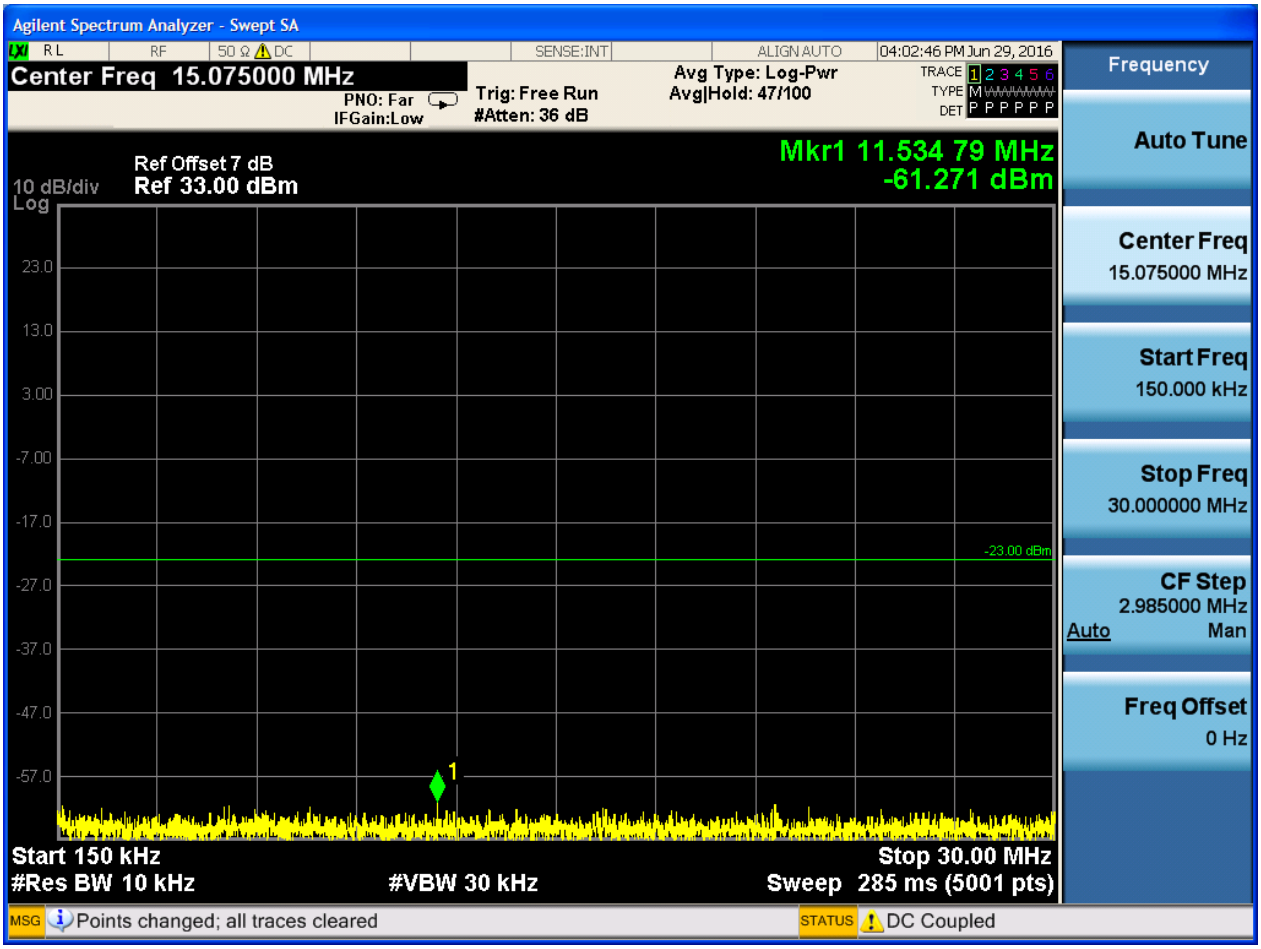

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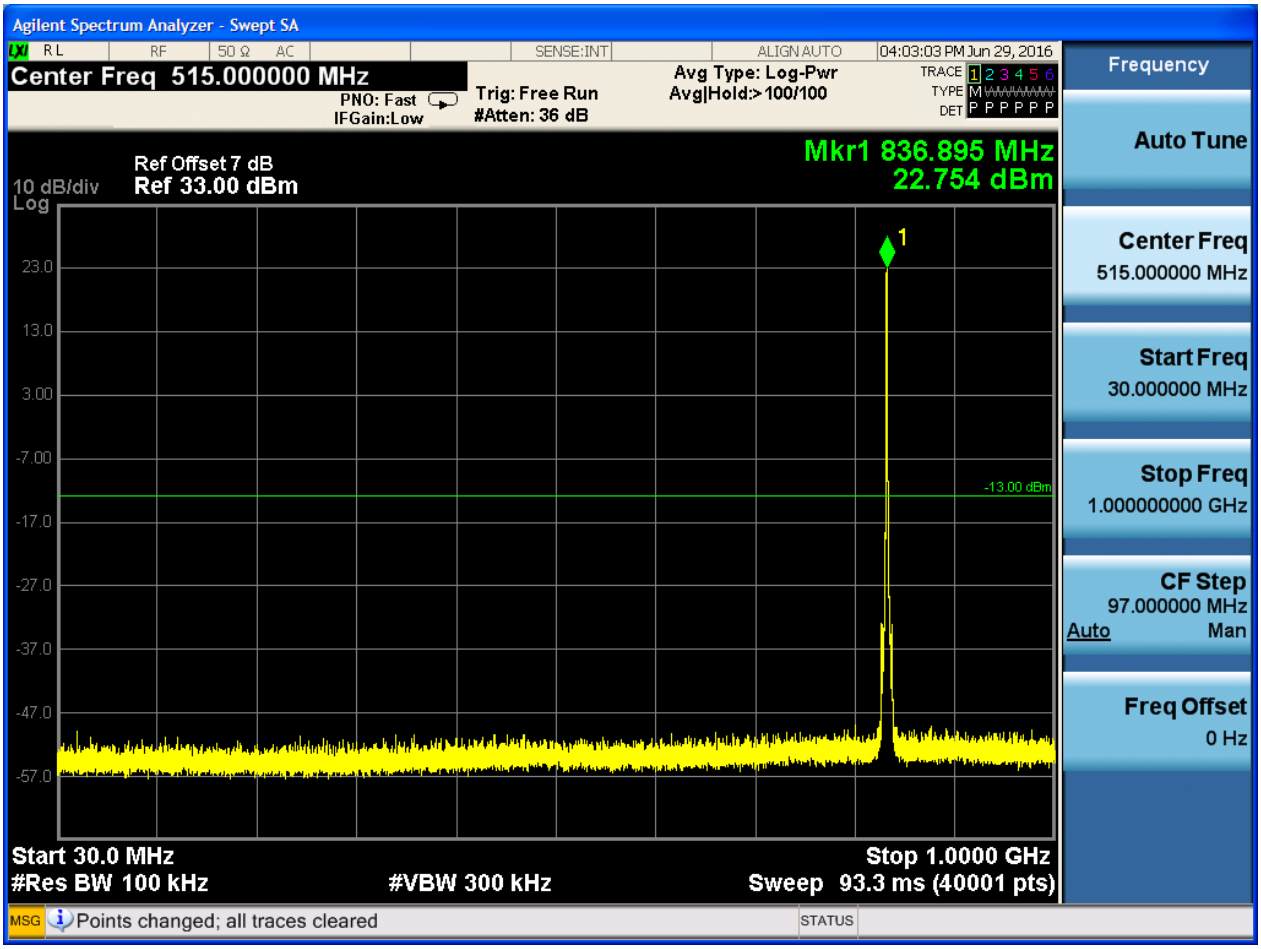

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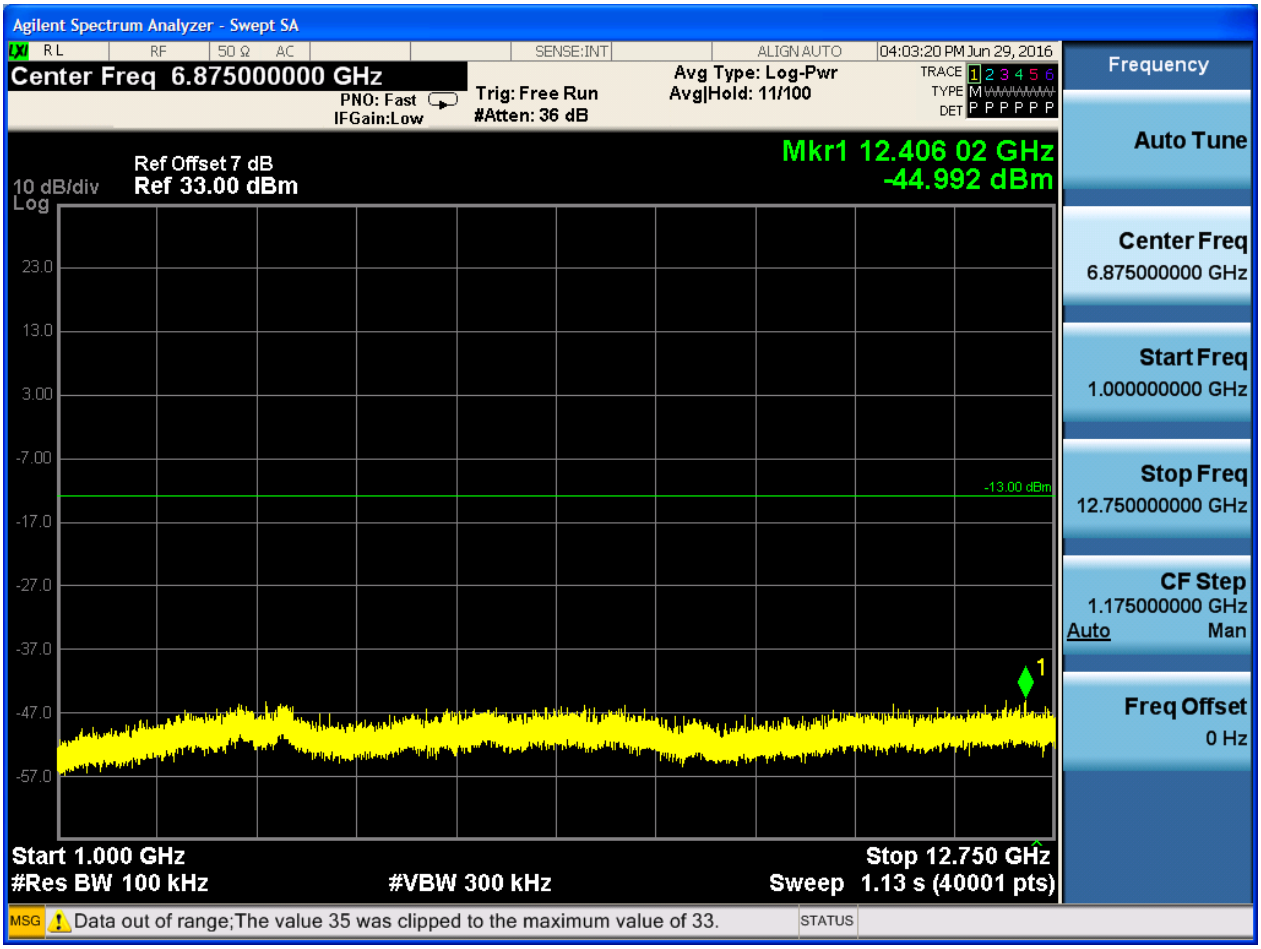

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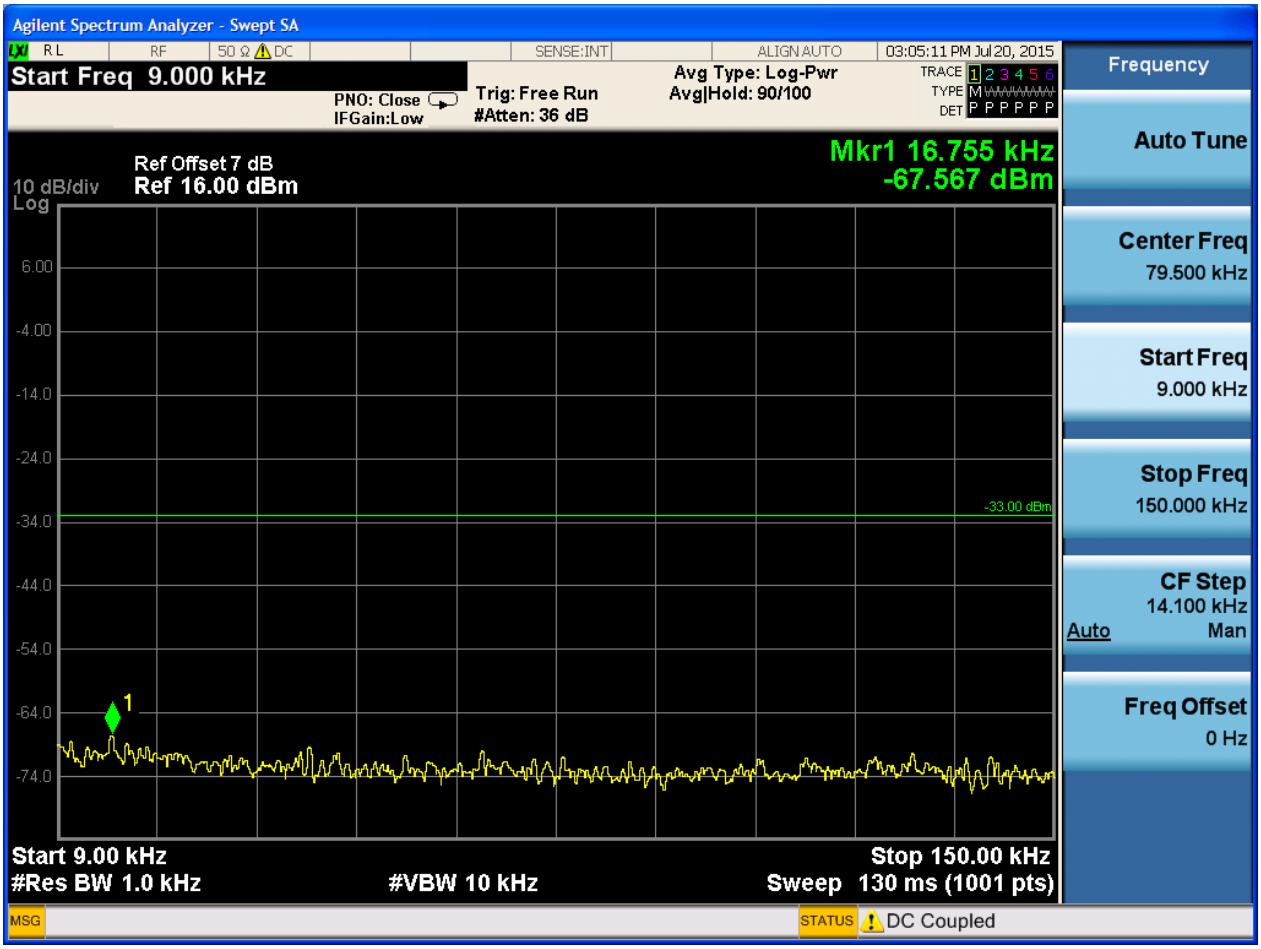
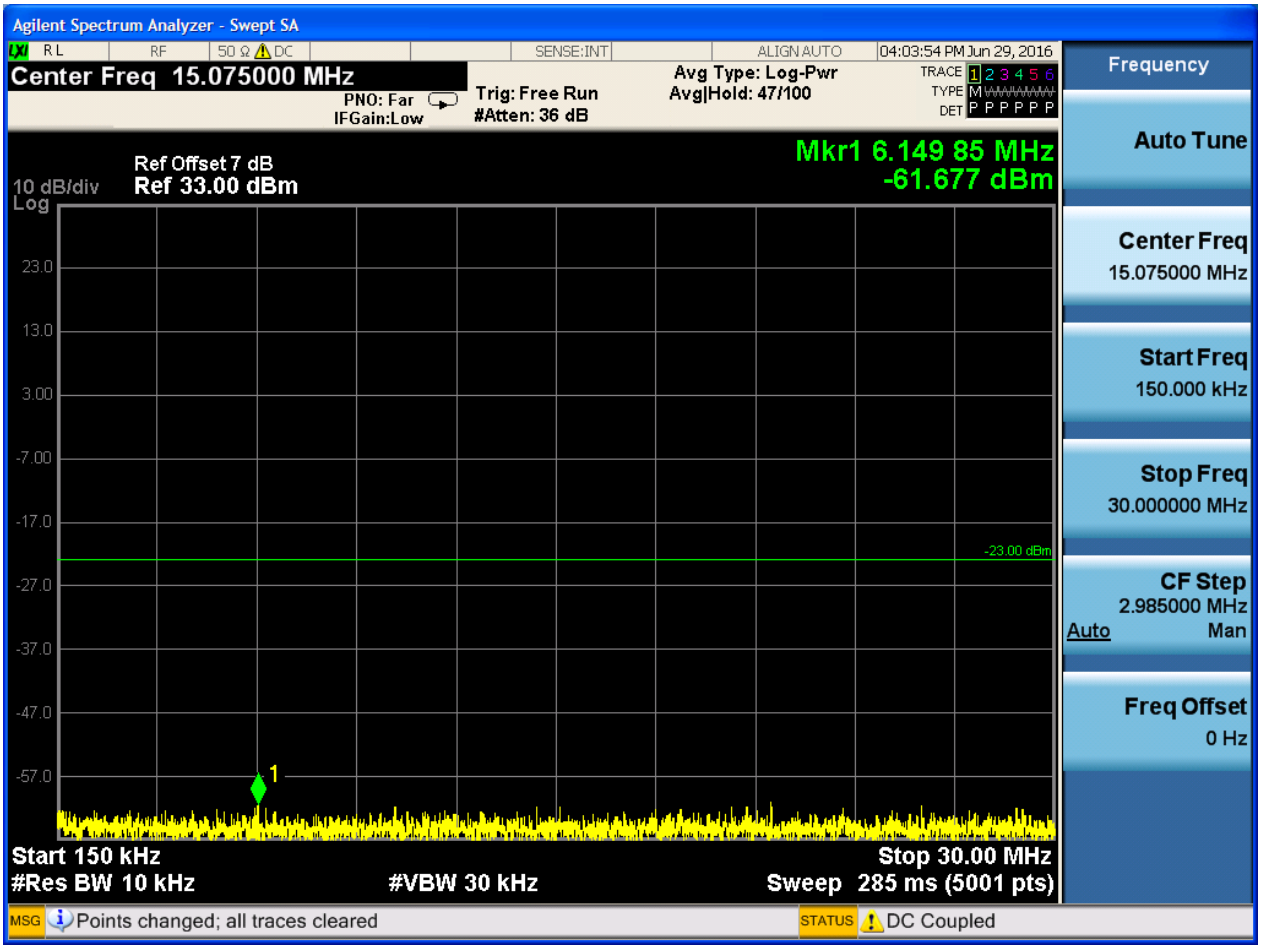
6.1.1.3.3 Test Channel = HCH





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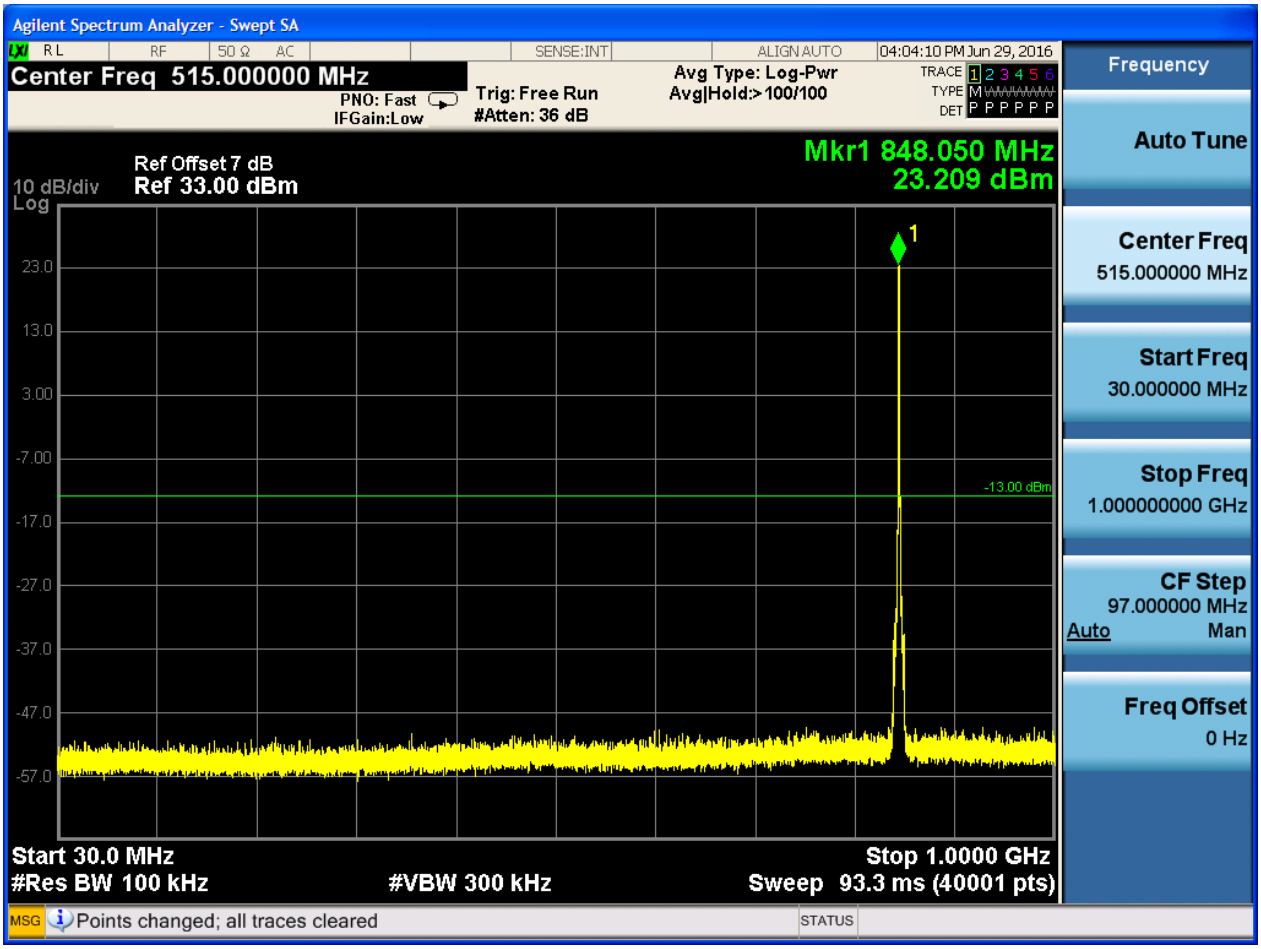

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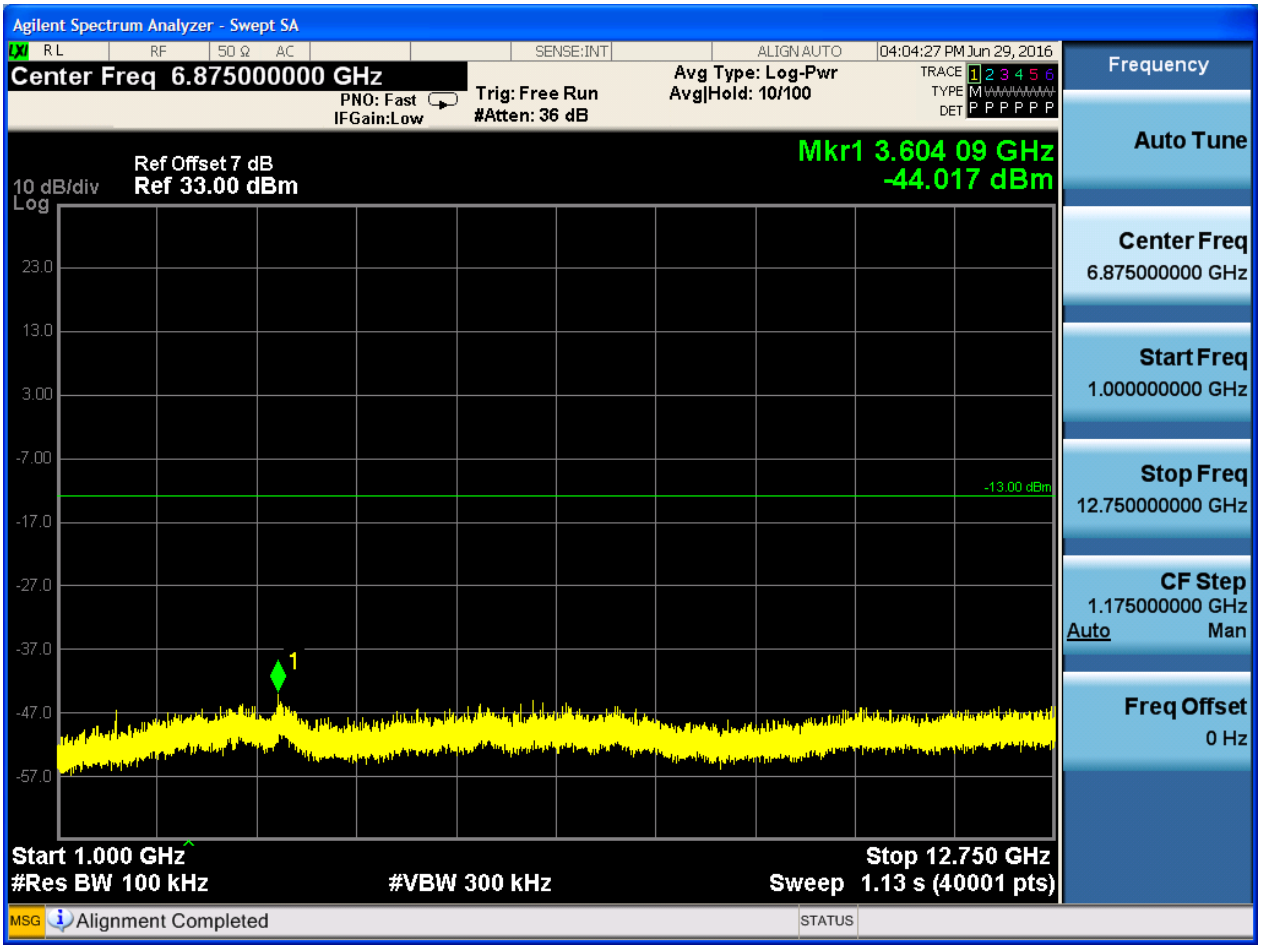

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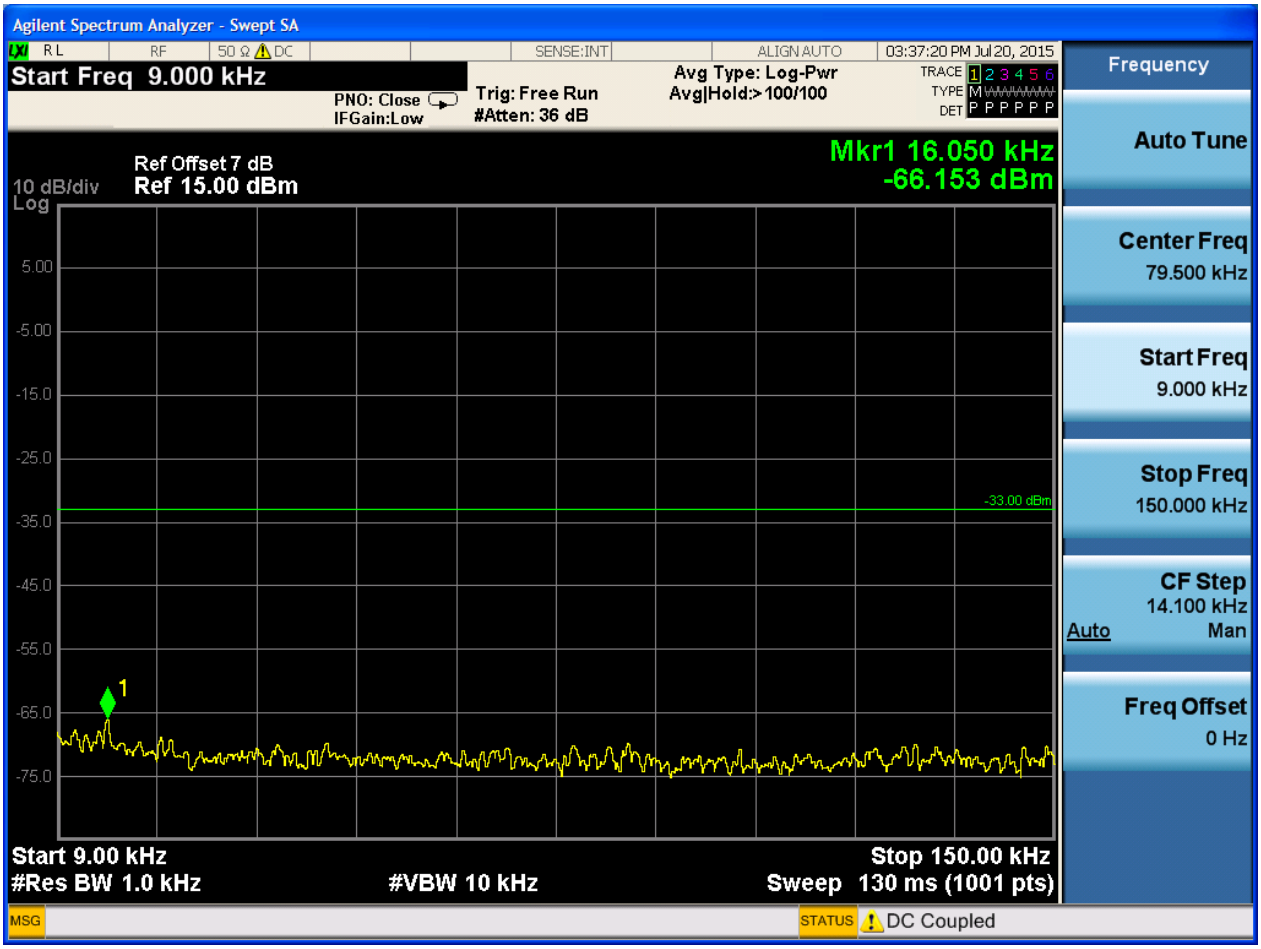
6.1.1.4 Test Mode = CDMA/EV-DO/Subtype2/256

6.1.1.4.1 Test Channel = LCH



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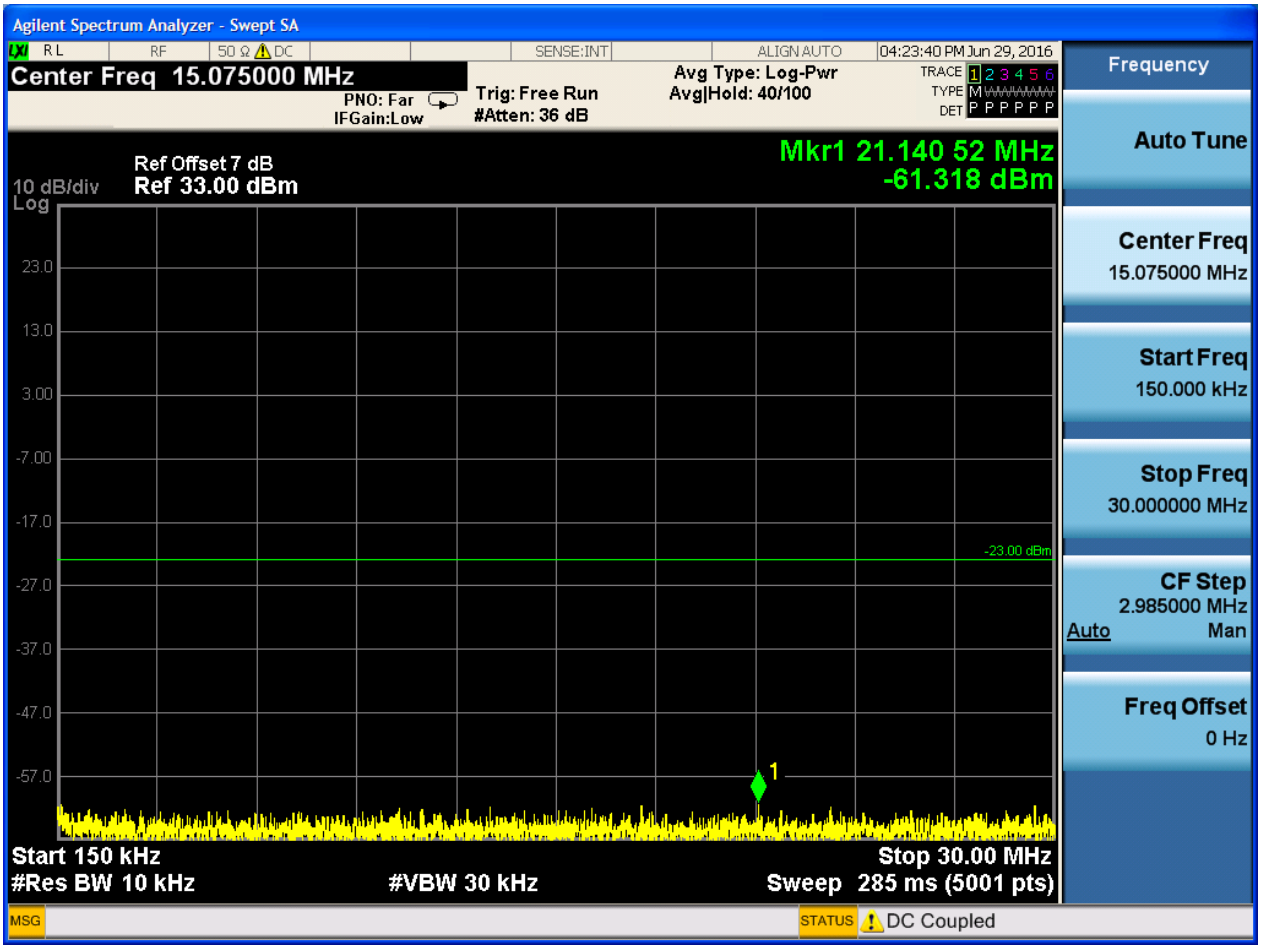

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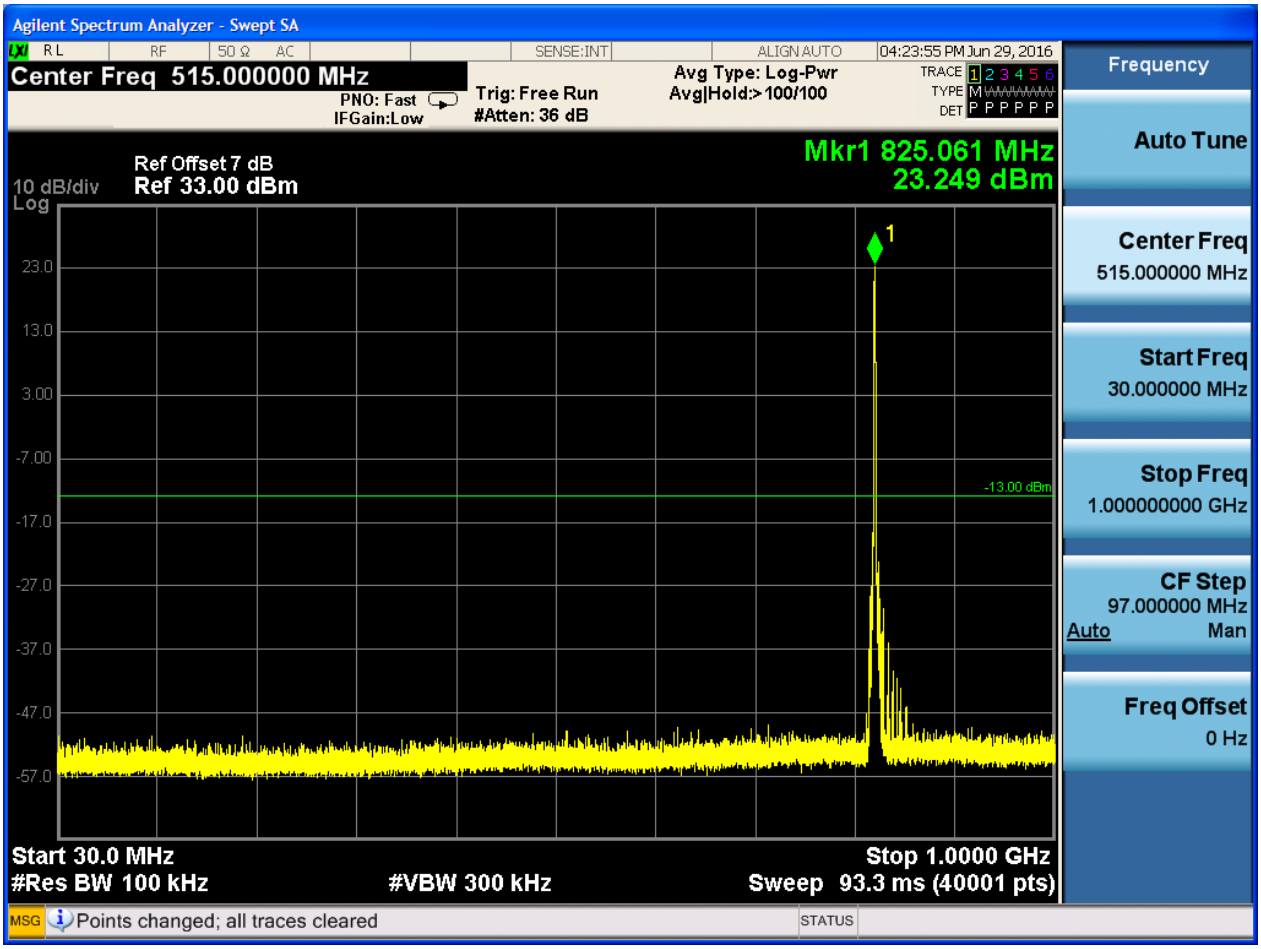

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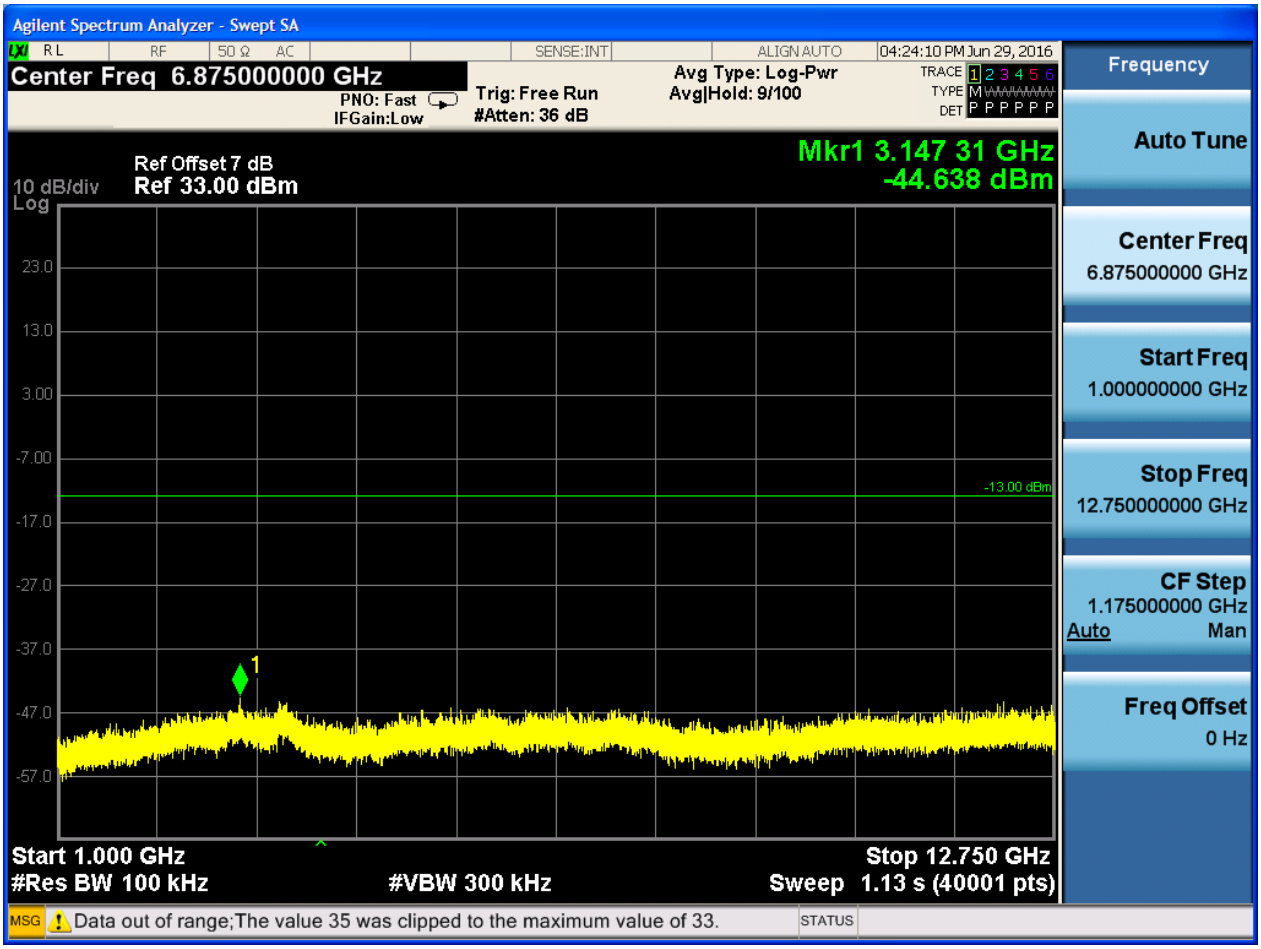

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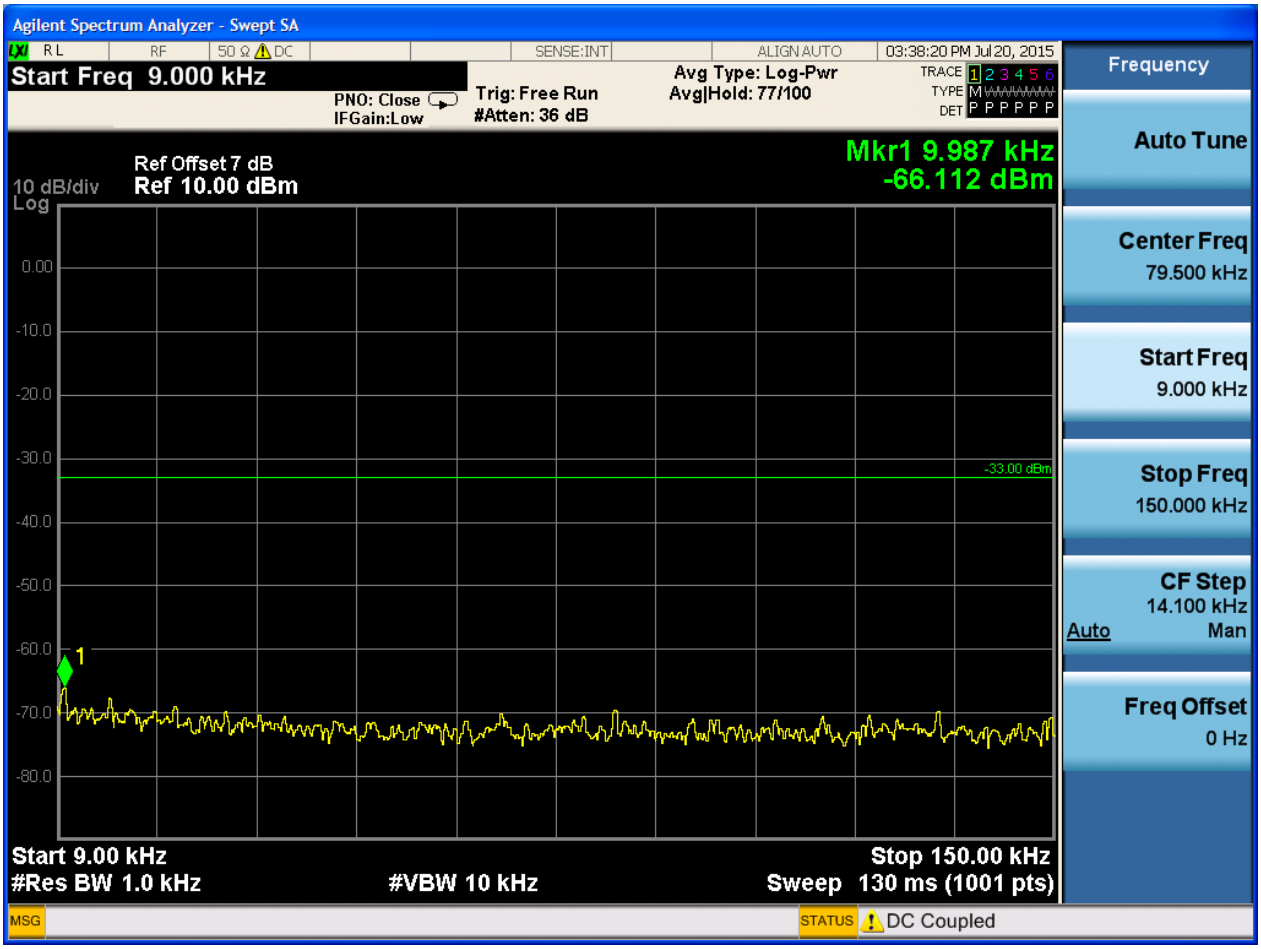
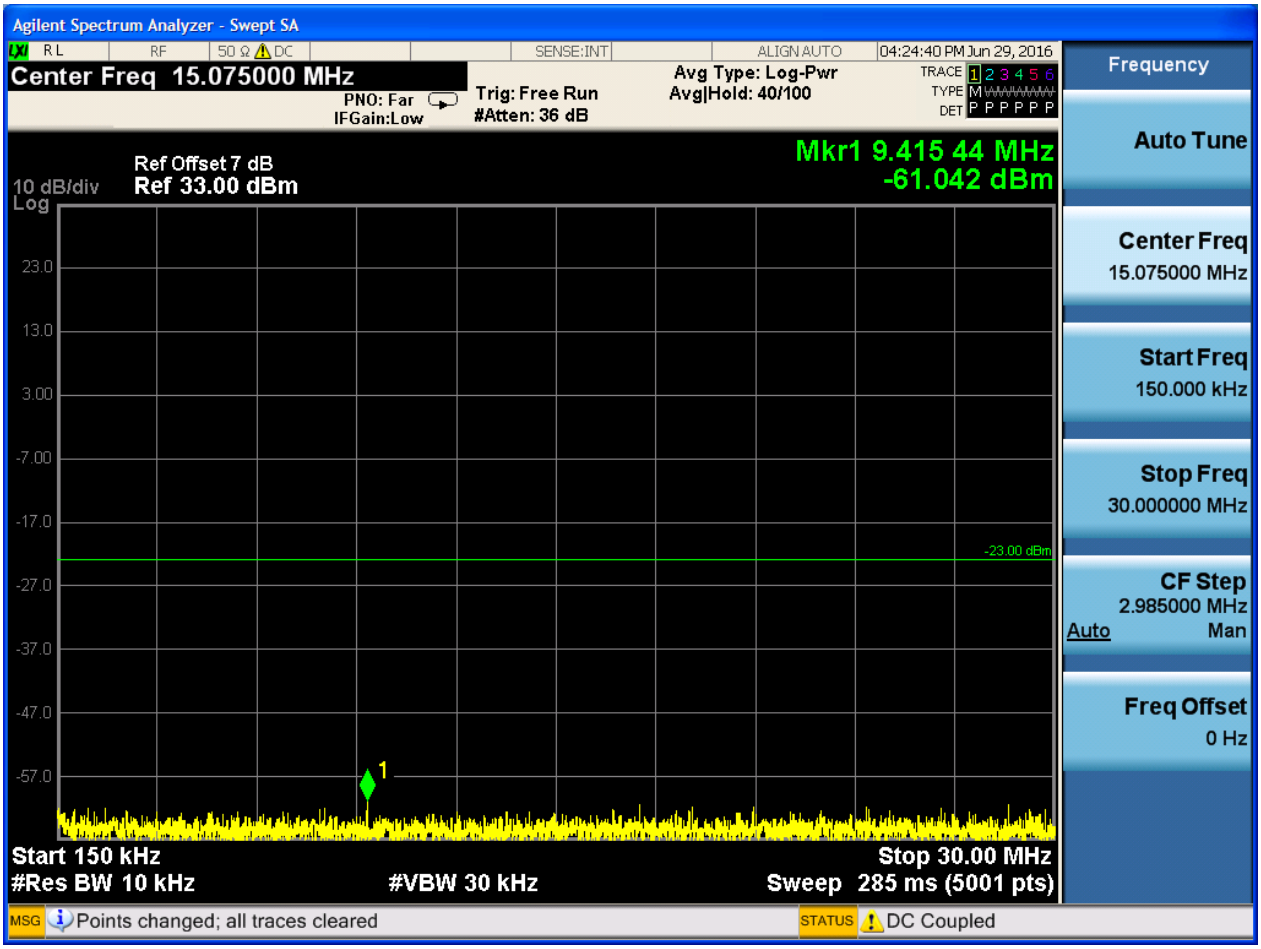
6.1.1.4.2 Test Channel = MCH





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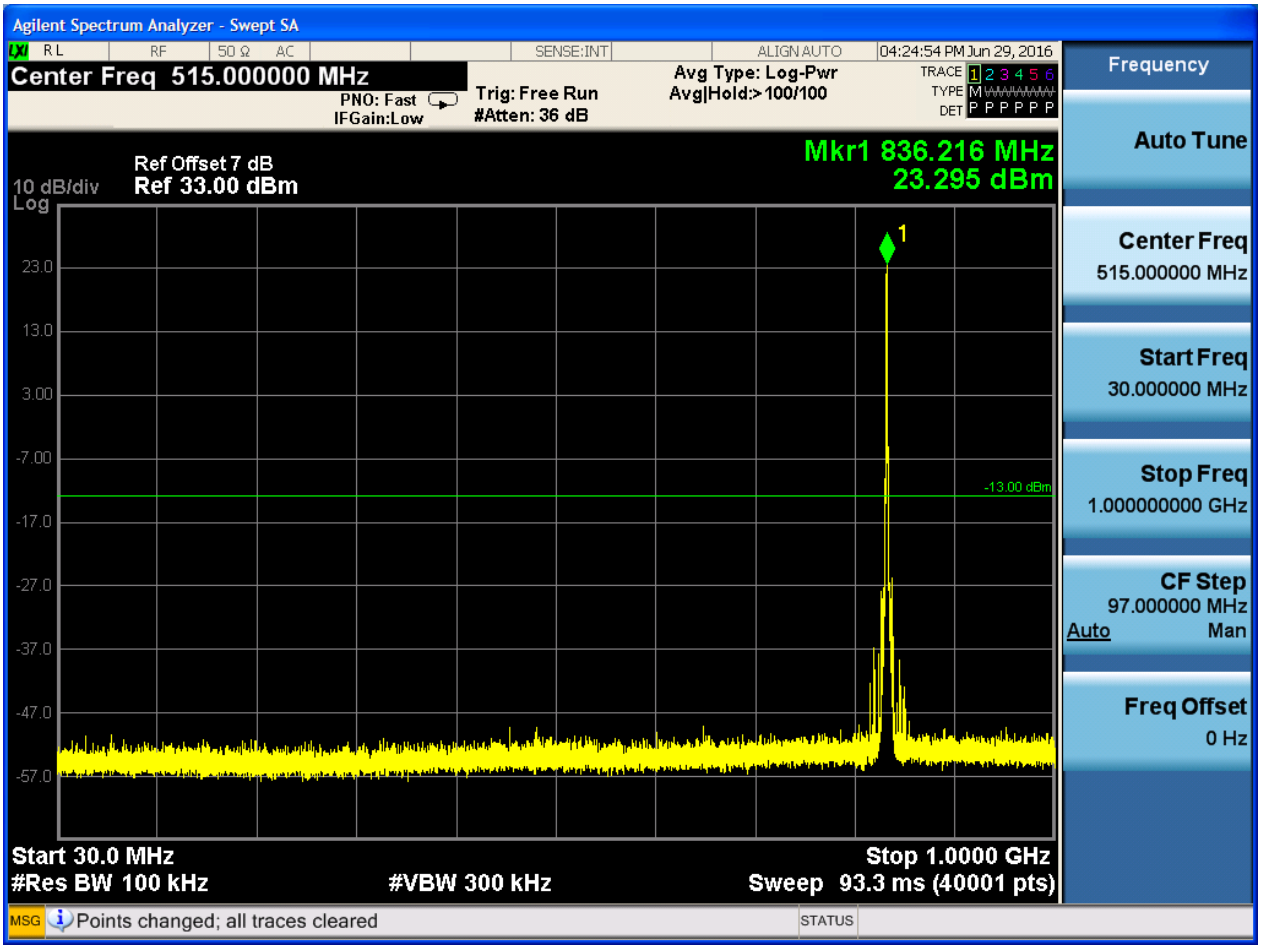

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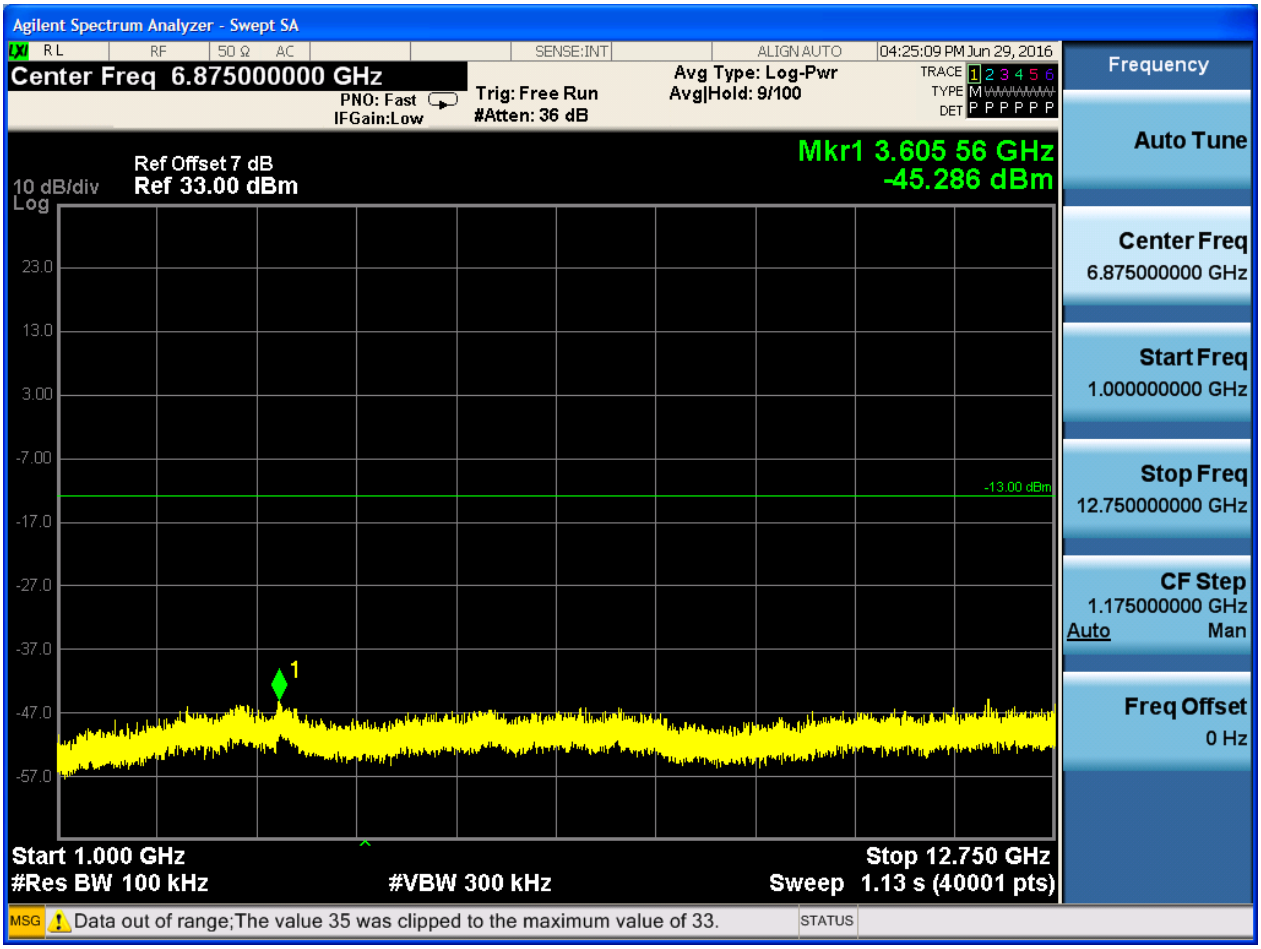

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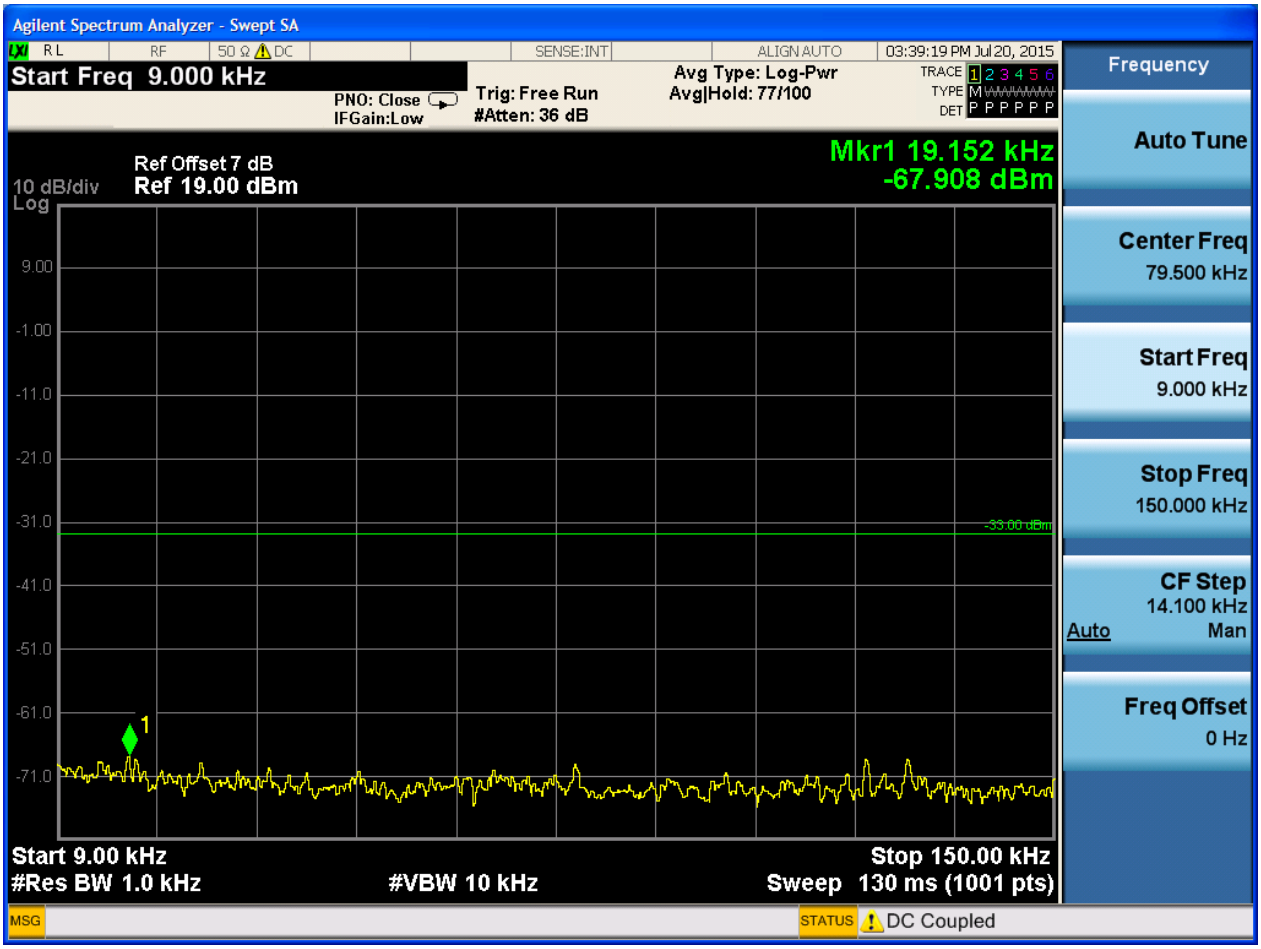
6.1.1.4.3 Test Channel = HCH



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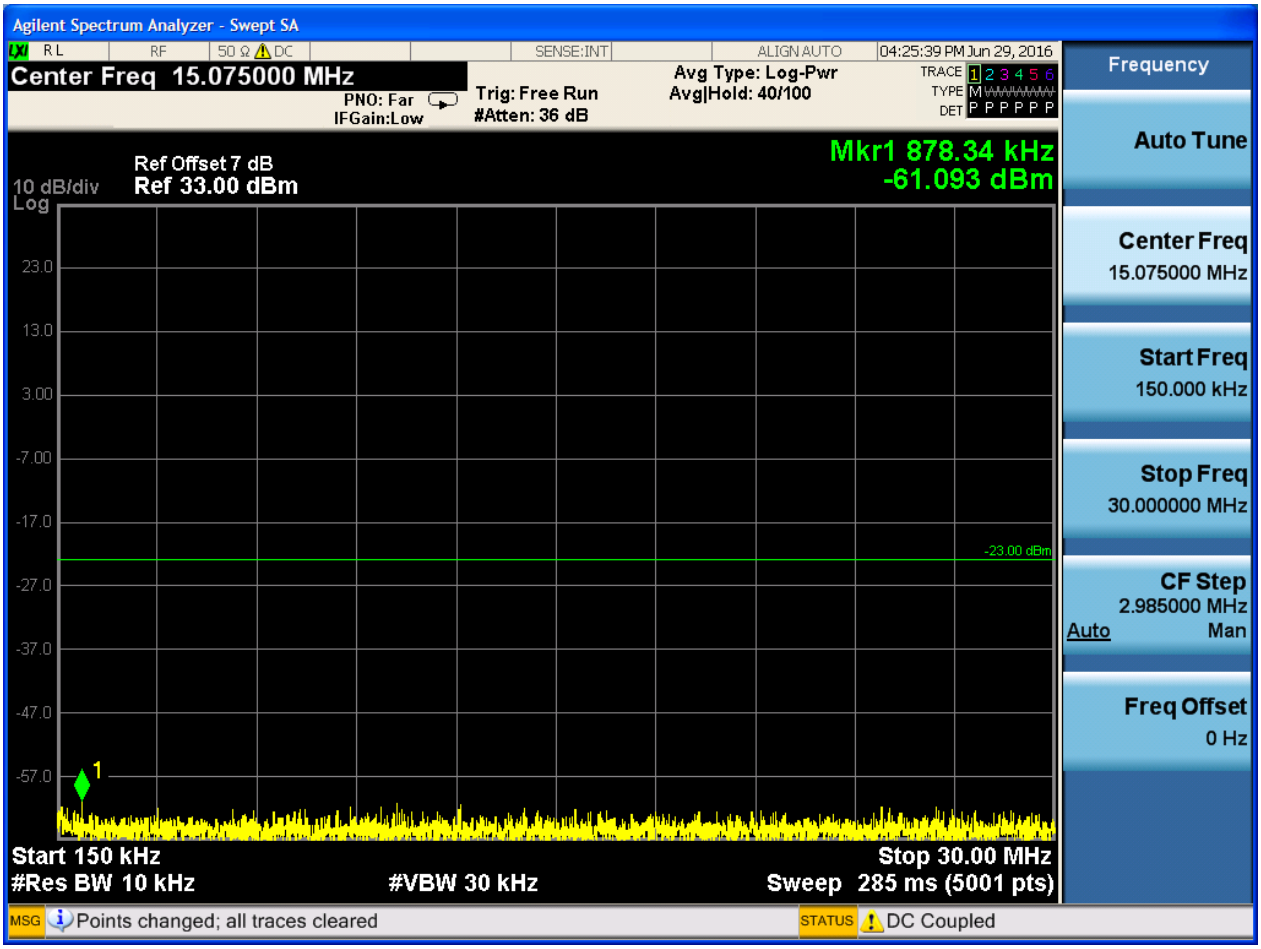

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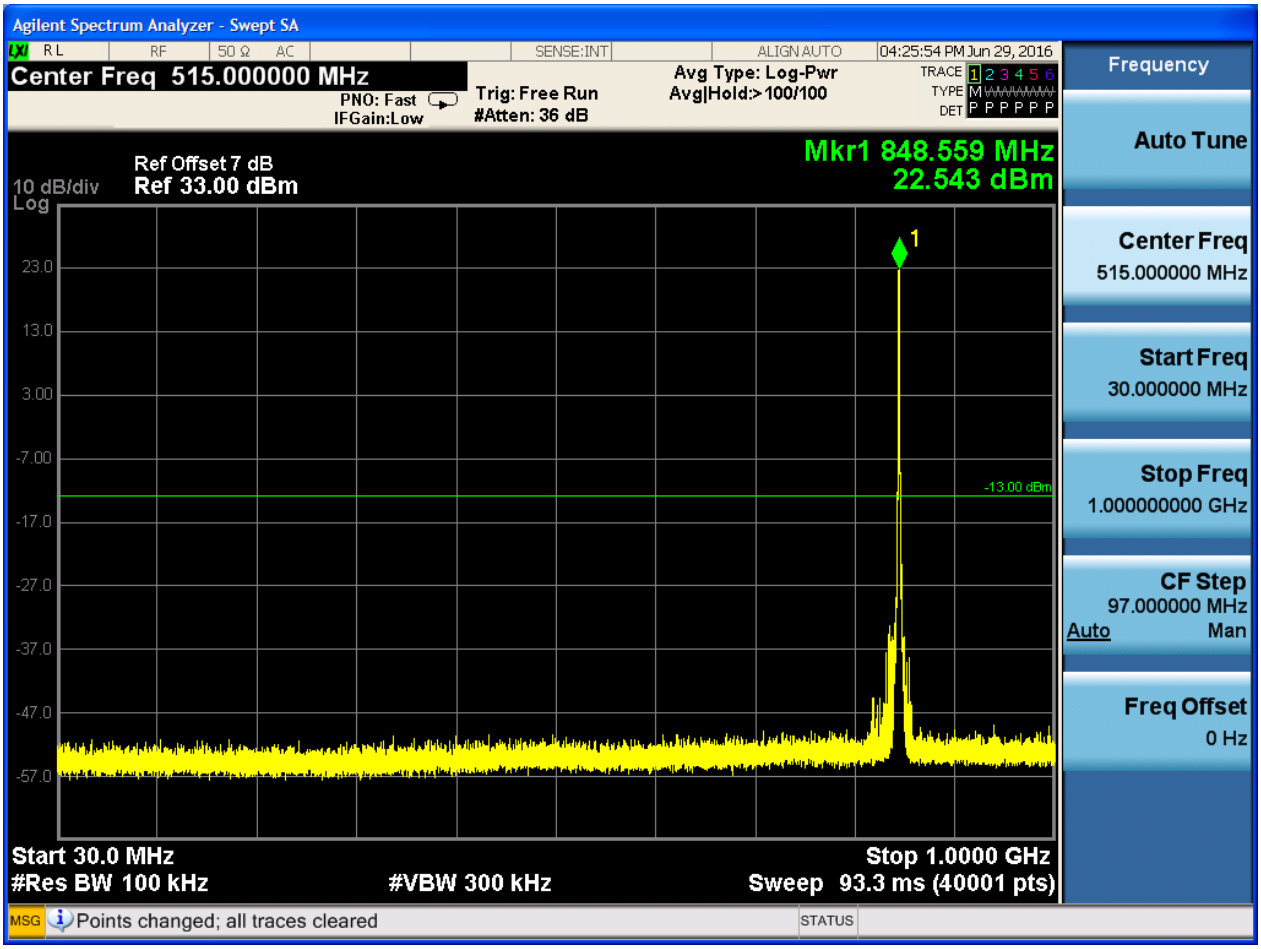

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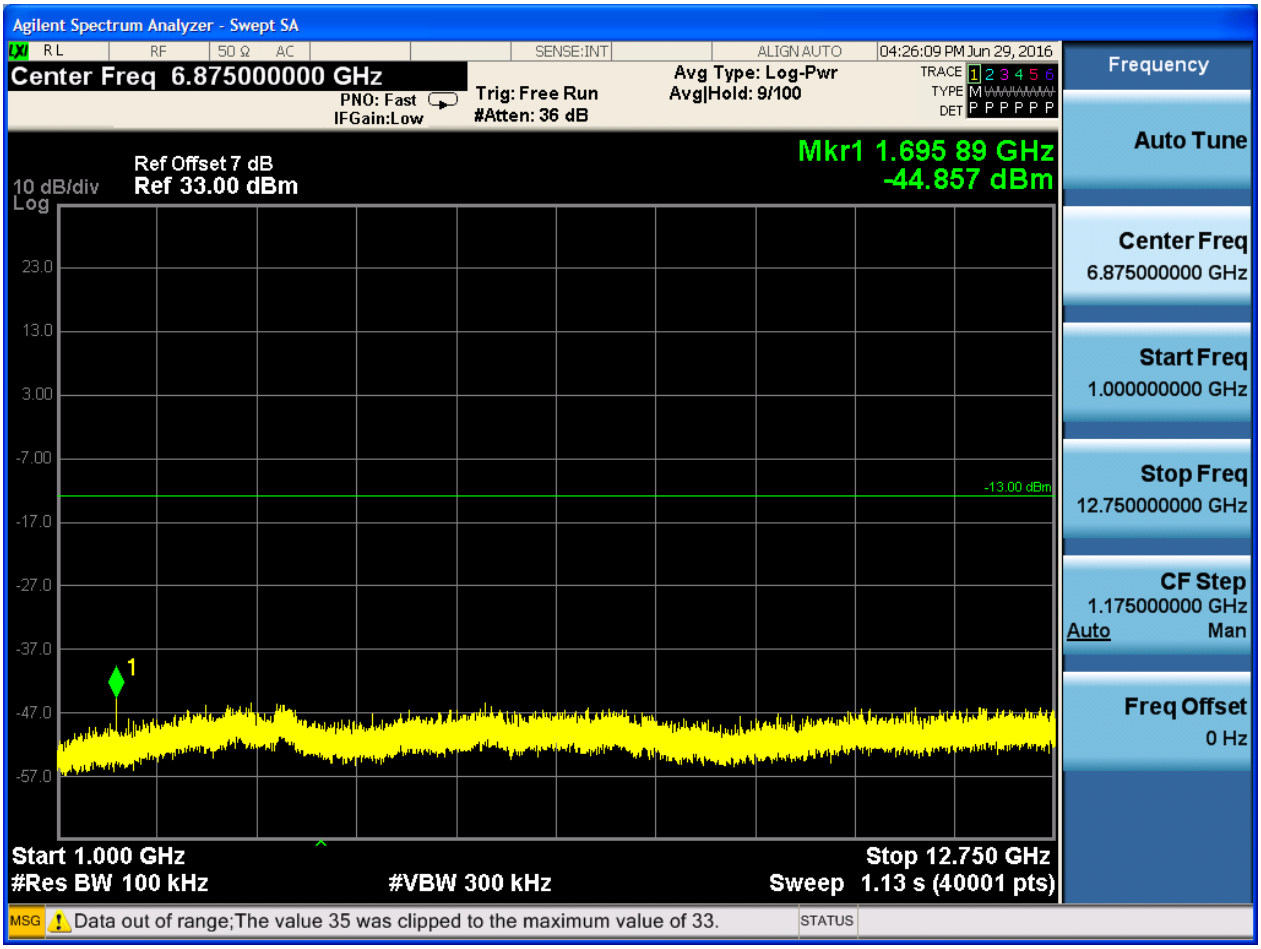

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