Appendix for test report

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1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
BAND5	LTE/TM1	5	LCH	RB1#0	22.46	20.21	38.5	PASS
				RB1#13	22.55	20.3	38.5	PASS
				RB1#24	22.51	20.26	38.5	PASS
				RB12#0	21.52	19.27	38.5	PASS
				RB12#6	21.51	19.26	38.5	PASS
				RB12#13	21.51	19.26	38.5	PASS
				RB25#0	21.51	19.26	38.5	PASS
			MCH	RB1#0	22.35	20.1	38.5	PASS
				RB1#13	22.24	19.99	38.5	PASS
				RB1#24	22.31	20.06	38.5	PASS
				RB12#0	21.24	18.99	38.5	PASS
				RB12#6	21.37	19.12	38.5	PASS
				RB12#13	21.28	19.03	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.28	19.03	38.5	PASS
			HCH	RB1#0	22.17	19.92	38.5	PASS
				RB1#13	22.15	19.9	38.5	PASS
				RB1#24	21.9	19.65	38.5	PASS
				RB12#0	21.19	18.94	38.5	PASS
				RB12#6	21.18	18.93	38.5	PASS
				RB12#13	21.06	18.81	38.5	PASS
				RB25#0	21.05	18.8	38.5	PASS
		10	LCH	RB1#0	22.37	20.12	38.5	PASS
				RB1#25	22.69	20.44	38.5	PASS
				RB1#49	22.3	20.05	38.5	PASS
				RB25#0	21.52	19.27	38.5	PASS
				RB25#13	21.45	19.2	38.5	PASS
				RB25#25	21.39	19.14	38.5	PASS
				RB50#0	21.38	19.13	38.5	PASS
			MCH	RB1#0	22.3	20.05	38.5	PASS
				RB1#25	22.57	20.32	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.14	19.89	38.5	PASS
				RB25#0	21.28	19.03	38.5	PASS
				RB25#13	21.27	19.02	38.5	PASS
				RB25#25	21.21	18.96	38.5	PASS
				RB50#0	21.28	19.03	38.5	PASS
			HCH	RB1#0	22.18	19.93	38.5	PASS
				RB1#25	22.31	20.06	38.5	PASS
				RB1#49	21.84	19.59	38.5	PASS
				RB25#0	21.26	19.01	38.5	PASS
				RB25#13	21.21	18.96	38.5	PASS
				RB25#25	21.06	18.81	38.5	PASS
				RB50#0	21.22	18.97	38.5	PASS
	LTE/TM2	5	LCH	RB1#0	21.6	19.35	38.5	PASS
				RB1#13	21.68	19.43	38.5	PASS
				RB1#24	21.67	19.42	38.5	PASS
				RB12#0	20.39	18.14	38.5	PASS
				RB12#6	20.42	18.17	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	20.39	18.14	38.5	PASS
				RB25#0	20.44	18.19	38.5	PASS
			MCH	RB1#0	21.4	19.15	38.5	PASS
				RB1#13	21.56	19.31	38.5	PASS
				RB1#24	21.52	19.27	38.5	PASS
				RB12#0	20.31	18.06	38.5	PASS
				RB12#6	20.33	18.08	38.5	PASS
				RB12#13	20.32	18.07	38.5	PASS
				RB25#0	20.21	17.96	38.5	PASS
			HCH	RB1#0	21.34	19.09	38.5	PASS
				RB1#13	21.39	19.14	38.5	PASS
				RB1#24	21.15	18.9	38.5	PASS
				RB12#0	20.14	17.89	38.5	PASS
				RB12#6	20.11	17.86	38.5	PASS
				RB12#13	19.99	17.74	38.5	PASS
				RB25#0	20.03	17.78	38.5	PASS
		10	LCH	RB1#0	21.51	19.26	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.83	19.58	38.5	PASS
				RB1#49	21.45	19.2	38.5	PASS
				RB25#0	20.49	18.24	38.5	PASS
				RB25#13	20.39	18.14	38.5	PASS
				RB25#25	20.33	18.08	38.5	PASS
				RB50#0	20.42	18.17	38.5	PASS
			MCH	RB1#0	21.4	19.15	38.5	PASS
				RB1#25	21.5	19.25	38.5	PASS
				RB1#49	21.29	19.04	38.5	PASS
				RB25#0	20.27	18.02	38.5	PASS
				RB25#13	20.18	17.93	38.5	PASS
				RB25#25	20.2	17.95	38.5	PASS
				RB50#0	20.28	18.03	38.5	PASS
			HCH	RB1#0	21.41	19.16	38.5	PASS
				RB1#25	21.47	19.22	38.5	PASS
				RB1#49	21.1	18.85	38.5	PASS
				RB25#0	20.25	18	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.25	18	38.5	PASS
				RB25#25	20.1	17.85	38.5	PASS
				RB50#0	20.15	17.9	38.5	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

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

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b, SGP = Signal Generator Level

Note2:

SET Span = 1.5 * OBW

SET RBW = 1% of the OBW,not to exceed 1MHz

SET VBW >= 3 * RBW

SET Sweep time = auto - couple.

Detector: RMS

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2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND5	LTE/TM1	5	LCH	RB1#0	4.49	13	PASS
				RB1#13	4.63	13	PASS
				RB1#24	4.61	13	PASS
				RB12#0	5.26	13	PASS
				RB12#6	5.3	13	PASS
				RB12#13	5.33	13	PASS
				RB25#0	5.71	13	PASS
			MCH	RB1#0	4.63	13	PASS
				RB1#13	4.74	13	PASS
				RB1#24	5.06	13	PASS
				RB12#0	5.4	13	PASS
				RB12#6	5.33	13	PASS
				RB12#13	5.54	13	PASS
				RB25#0	5.67	13	PASS
			HCH	RB1#0	4.81	13	PASS
				RB1#13	4.45	13	PASS
				RB1#24	4.72	13	PASS
				RB12#0	5.51	13	PASS
				RB12#6	5.53	13	PASS
				RB12#13	5.64	13	PASS
				RB25#0	5.93	13	PASS
		10	LCH	RB1#0	4.34	13	PASS
				RB1#25	4.27	13	PASS
				RB1#49	4.55	13	PASS
				RB25#0	5.49	13	PASS
				RB25#13	5.35	13	PASS
				RB25#25	5.35	13	PASS
				RB50#0	5.59	13	PASS
			MCH	RB1#0	4.42	13	PASS
				RB1#25	4.67	13	PASS
				RB1#49	5.16	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	5.48	13	PASS
				RB25#13	5.41	13	PASS
				RB25#25	5.77	13	PASS
				RB50#0	6.26	13	PASS
			HCH	RB1#0	5.04	13	PASS
				RB1#25	4.97	13	PASS
				RB1#49	5.09	13	PASS
				RB25#0	6.1	13	PASS
				RB25#13	5.85	13	PASS
				RB25#25	5.77	13	PASS
				RB50#0	5.92	13	PASS
	LTE/TM2	5	LCH	RB1#0	5.13	13	PASS
				RB1#13	4.79	13	PASS
				RB1#24	5.13	13	PASS
				RB12#0	5.72	13	PASS
				RB12#6	5.62	13	PASS
				RB12#13	5.76	13	PASS
				RB25#0	6.14	13	PASS
			MCH	RB1#0	4.87	13	PASS
				RB1#13	5.24	13	PASS
				RB1#24	5.53	13	PASS
				RB12#0	5.95	13	PASS
				RB12#6	5.86	13	PASS
				RB12#13	6.14	13	PASS
				RB25#0	6.4	13	PASS
			HCH	RB1#0	5.05	13	PASS
				RB1#13	4.97	13	PASS
				RB1#24	5.17	13	PASS
				RB12#0	5.95	13	PASS
				RB12#6	6.01	13	PASS
				RB12#13	6.12	13	PASS
				RB25#0	6.25	13	PASS
		10	LCH	RB1#0	4.93	13	PASS
				RB1#25	4.92	13	PASS
				RB1#49	5.18	13	PASS
				RB25#0	5.82	13	PASS
				RB25#13	5.69	13	PASS
				RB25#25	5.66	13	PASS
				RB50#0	6.17	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.7	13	PASS
				RB1#25	4.99	13	PASS
				RB1#49	5.5	13	PASS
				RB25#0	6	13	PASS
				RB25#13	5.97	13	PASS
				RB25#25	6.38	13	PASS
				RB50#0	6.43	13	PASS
			HCH	RB1#0	5.62	13	PASS
				RB1#25	5.45	13	PASS
				RB1#49	5.67	13	PASS
				RB25#0	6.6	13	PASS
				RB25#13	6.34	13	PASS
				RB25#25	6.21	13	PASS
				RB50#0	6.68	13	PASS

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3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

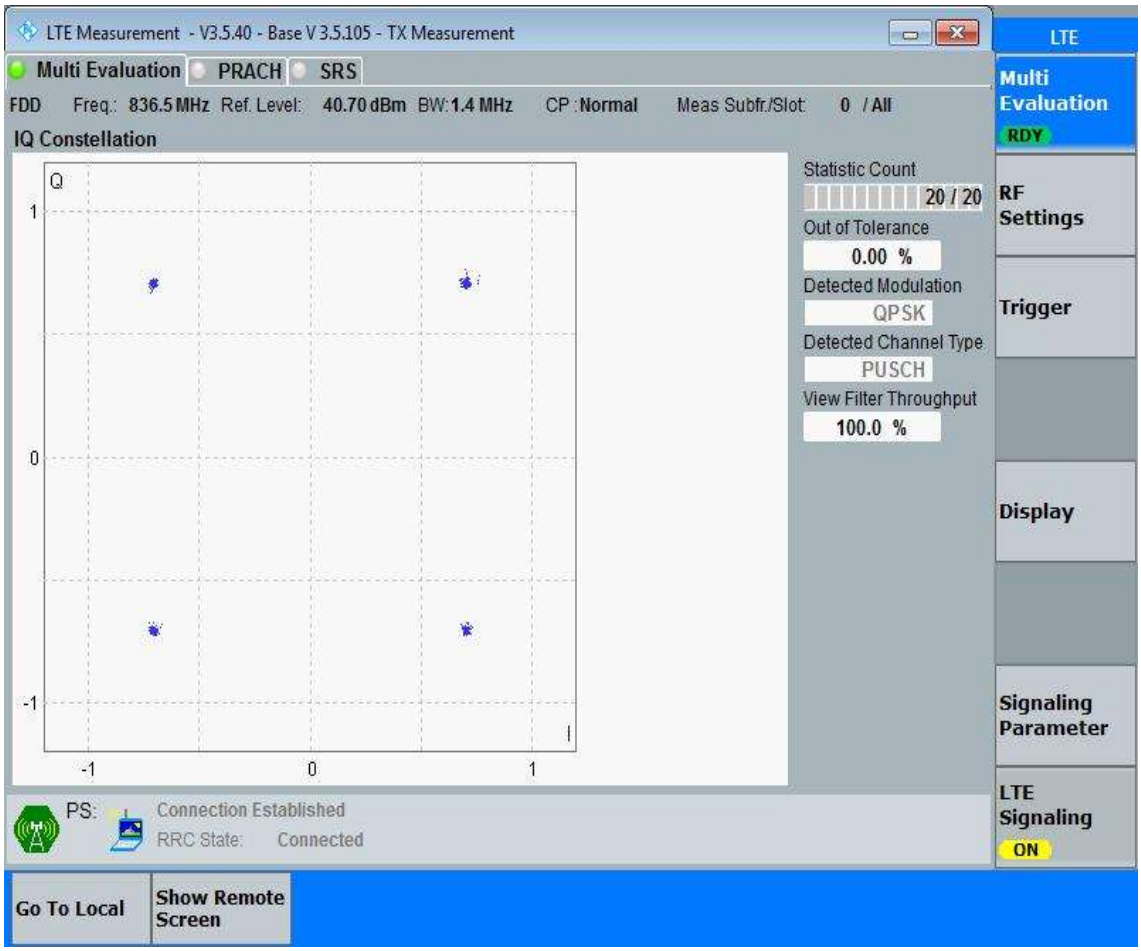
3.1.1 Test Band = BAND5

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

3.1.1.1.1.1.1 Test RB = RB25#0



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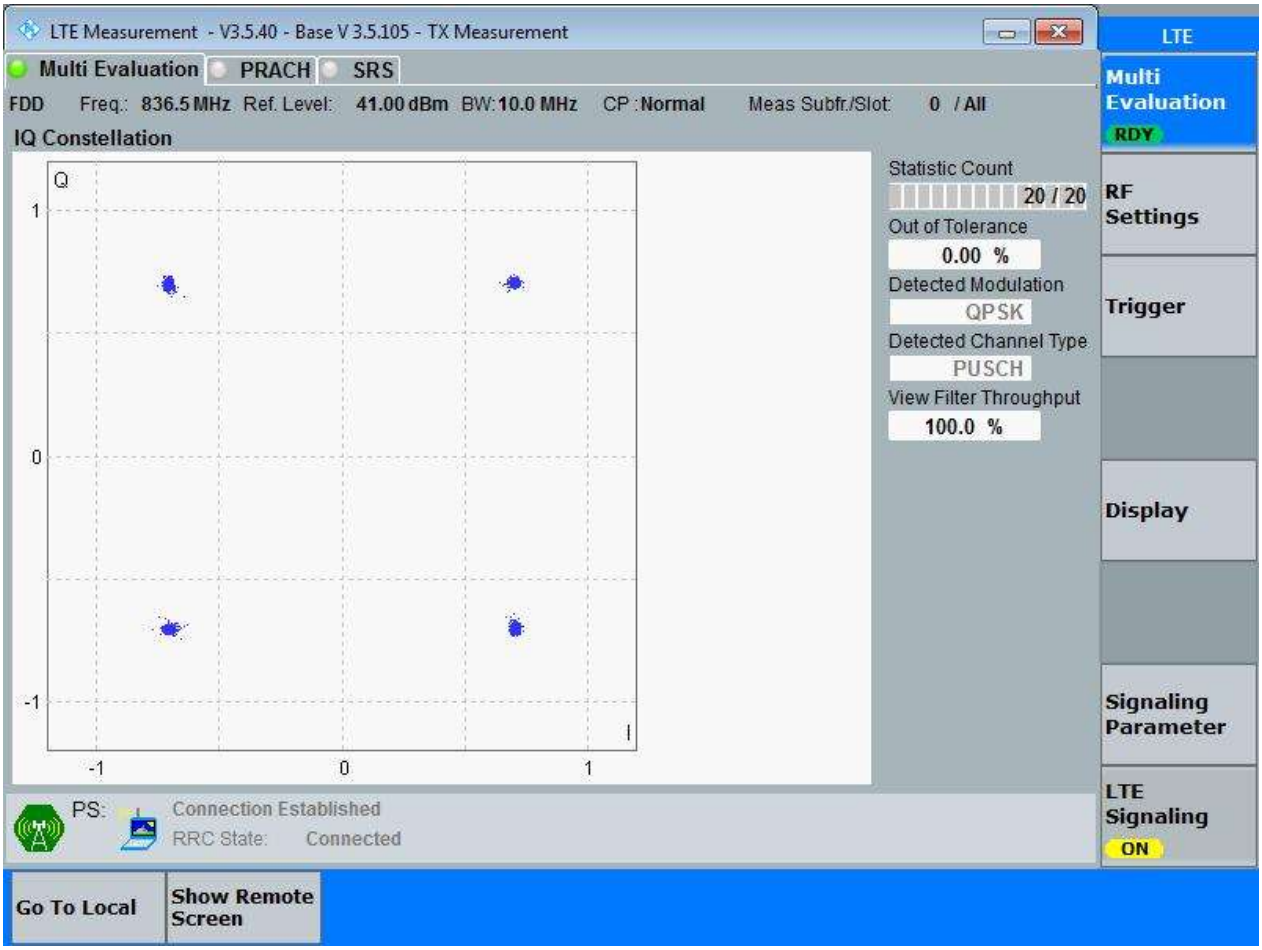
3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB50#0



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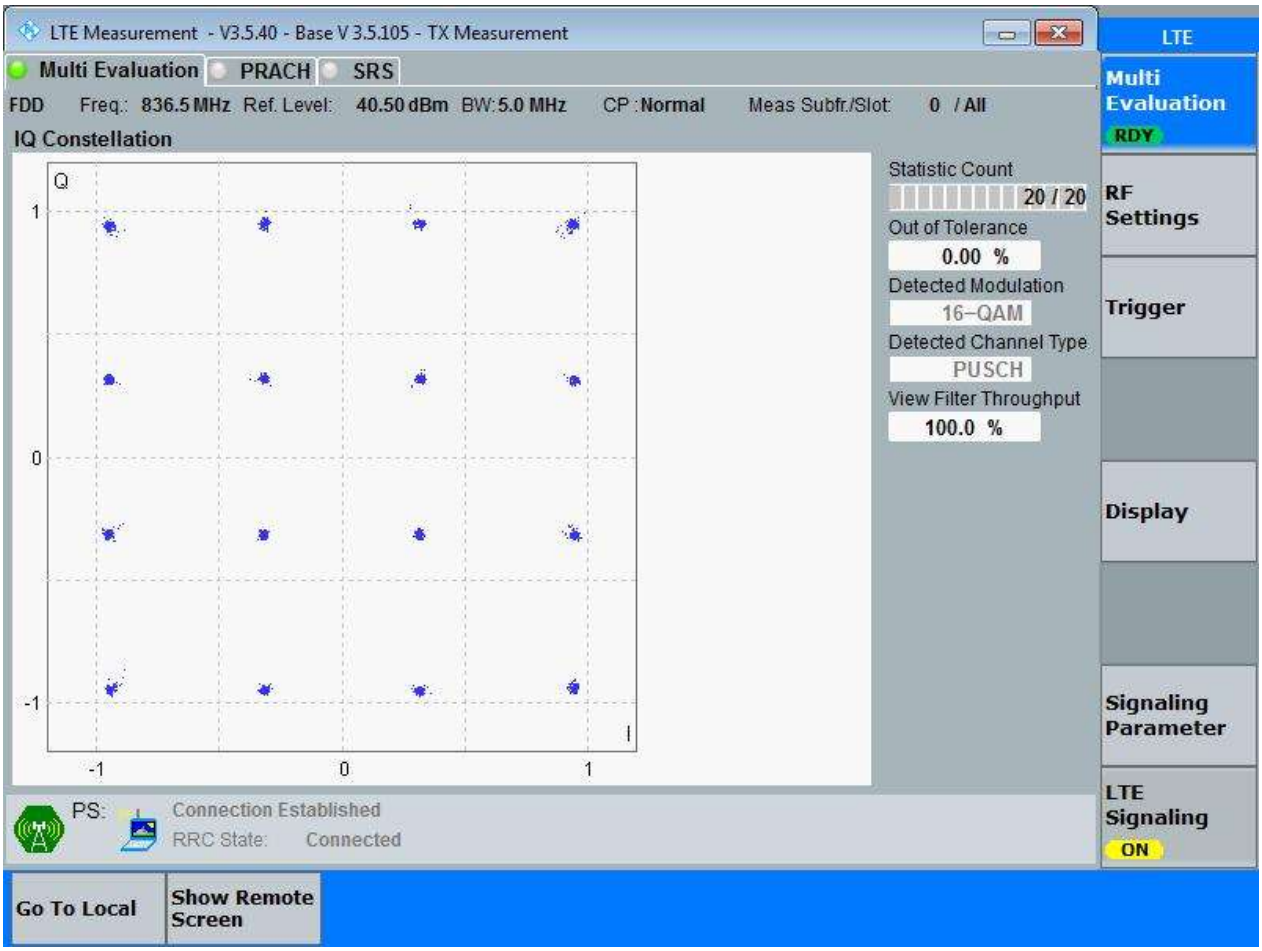
3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

3.1.1.2.1.1.1 Test RB = RB25#0



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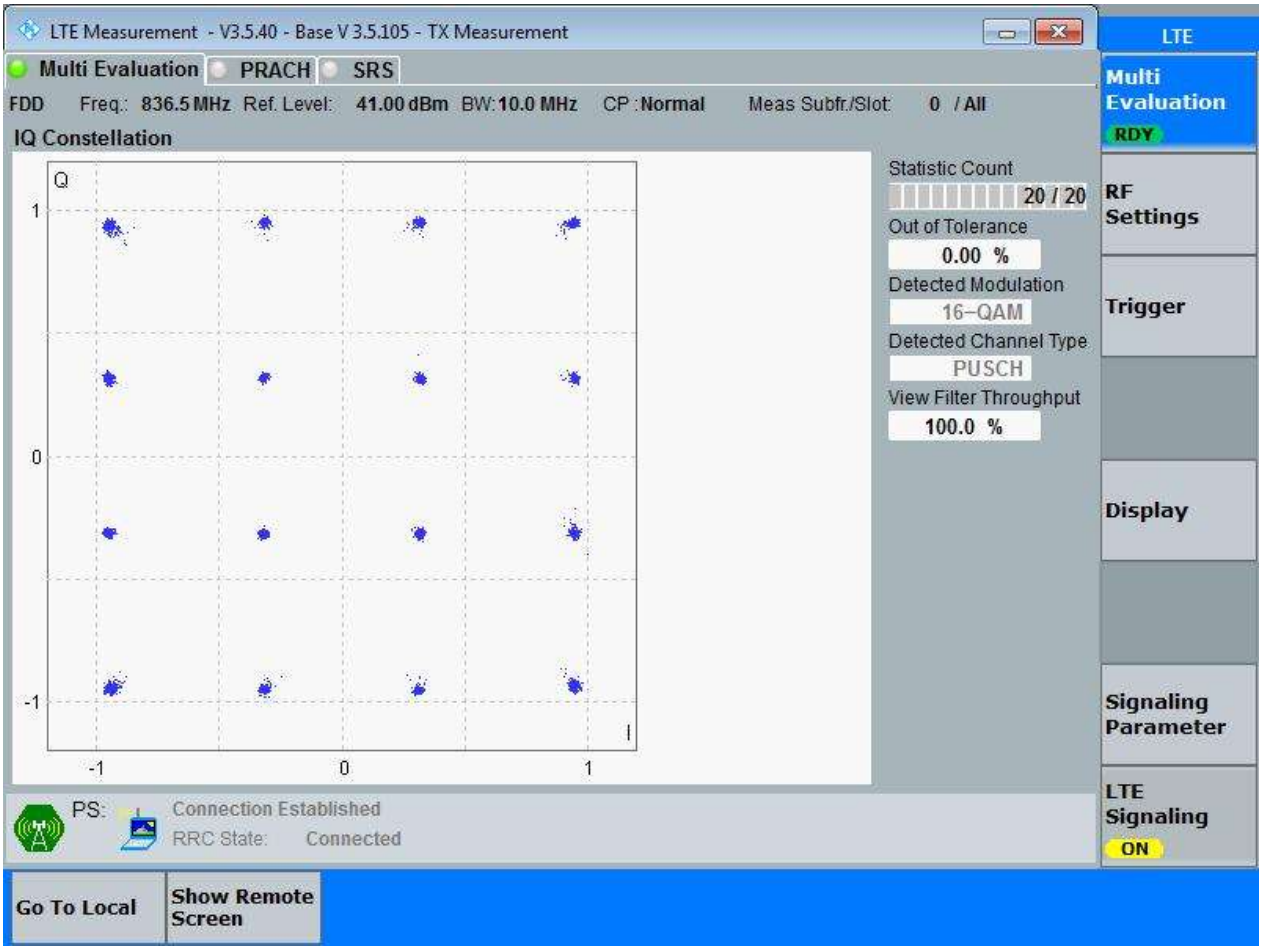
3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB50#0



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4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND5	LTE/TM1	5	LCH	RB25#0	4.52	4.98	Pass
			MCH	RB25#0	4.52	5.04	Pass
			HCH	RB25#0	4.51	4.97	Pass
		10	LCH	RB50#0	9.05	9.97	Pass
			MCH	RB50#0	9.01	9.90	Pass
			HCH	RB50#0	8.96	9.89	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	4.96	Pass
			MCH	RB25#0	4.52	4.96	Pass
			HCH	RB25#0	4.52	4.97	Pass
		10	LCH	RB50#0	9.00	9.95	Pass
			MCH	RB50#0	9.00	10.09	Pass
			HCH	RB50#0	8.98	9.92	Pass

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Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND5

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0

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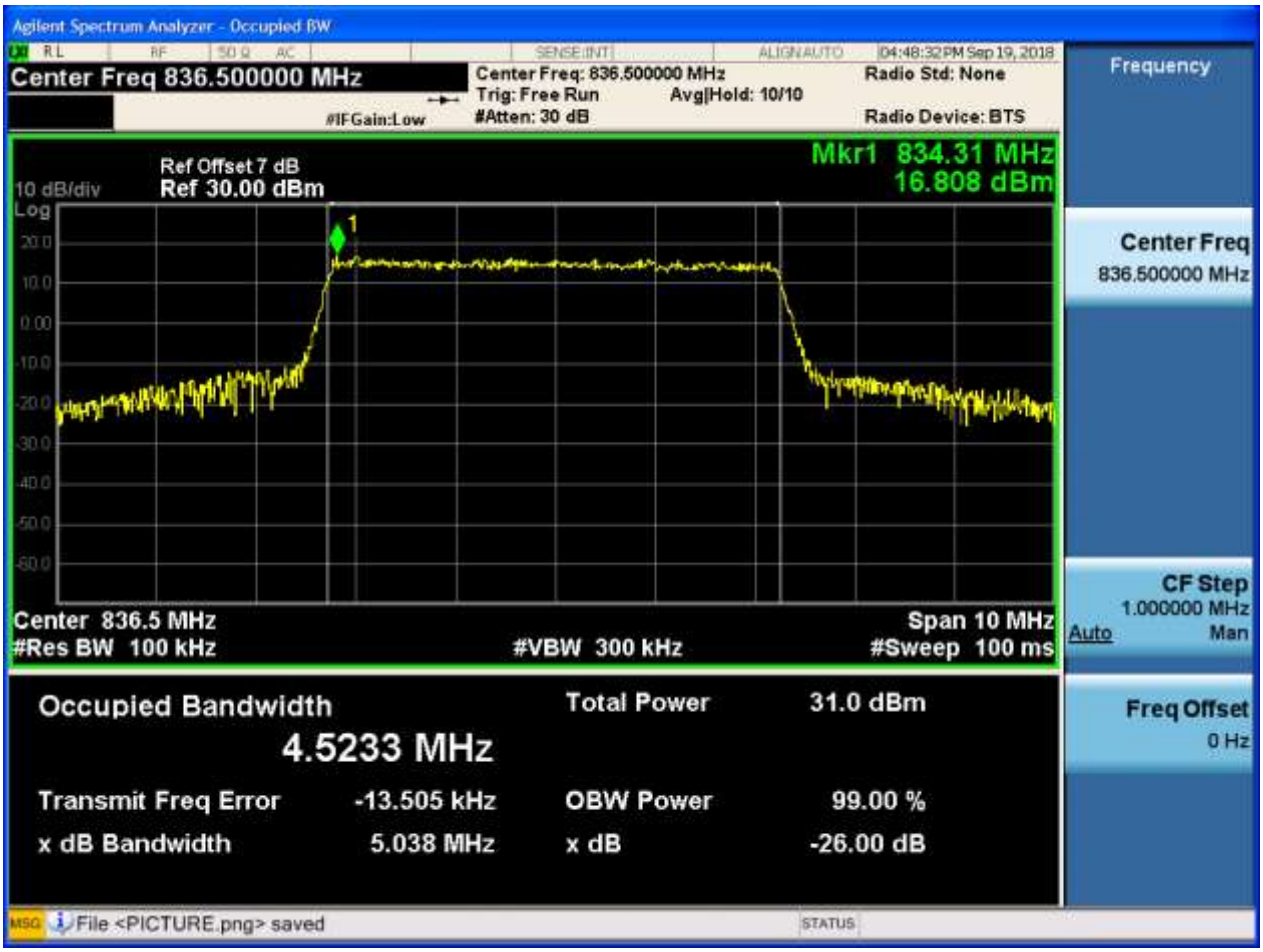
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB25#0



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4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

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4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0

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4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB50#0

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4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0

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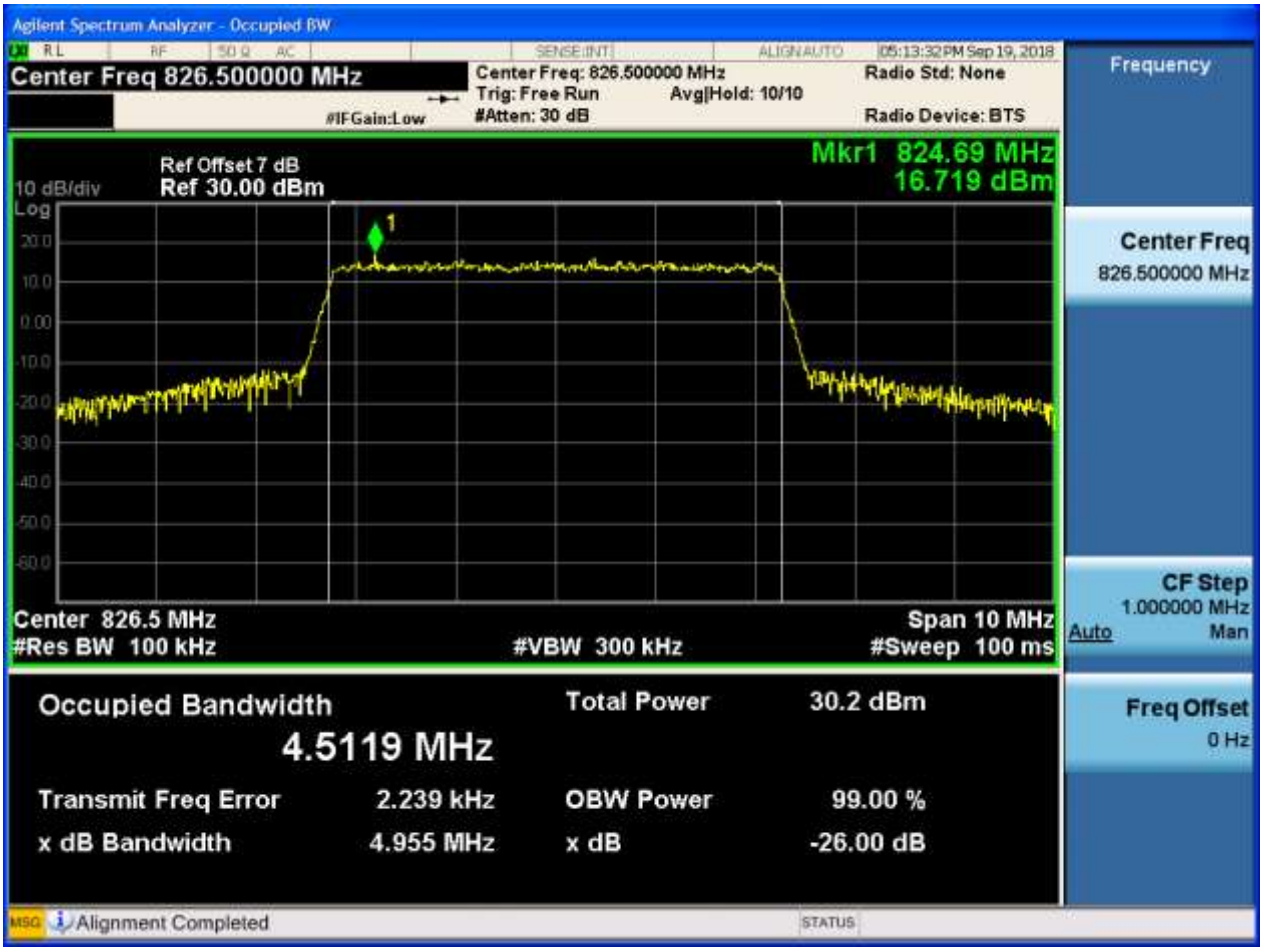
4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

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



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4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB25#0

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4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

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4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0

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4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB50#0

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4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0

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5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

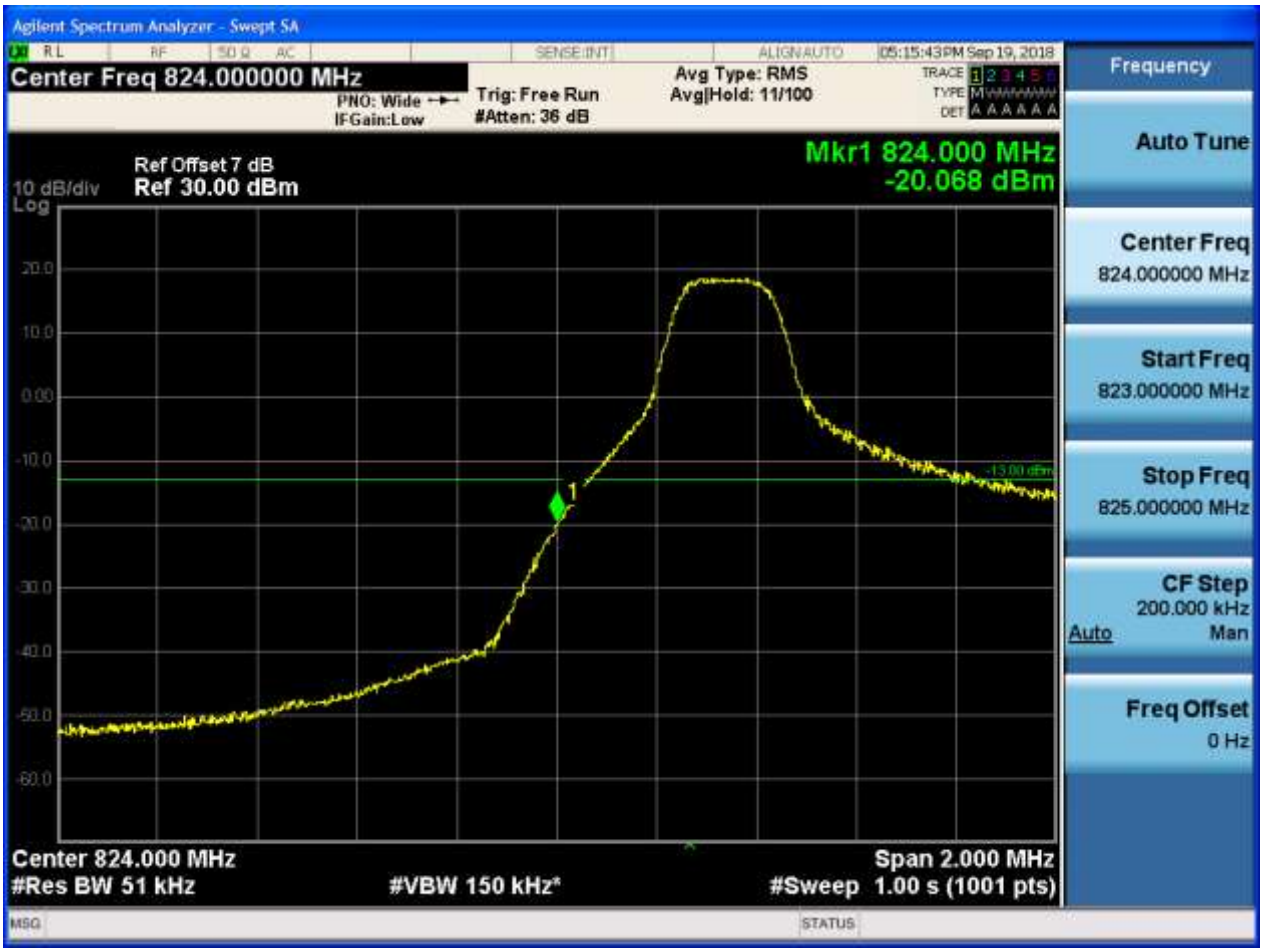
5.1.1 Test Band = BAND5

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



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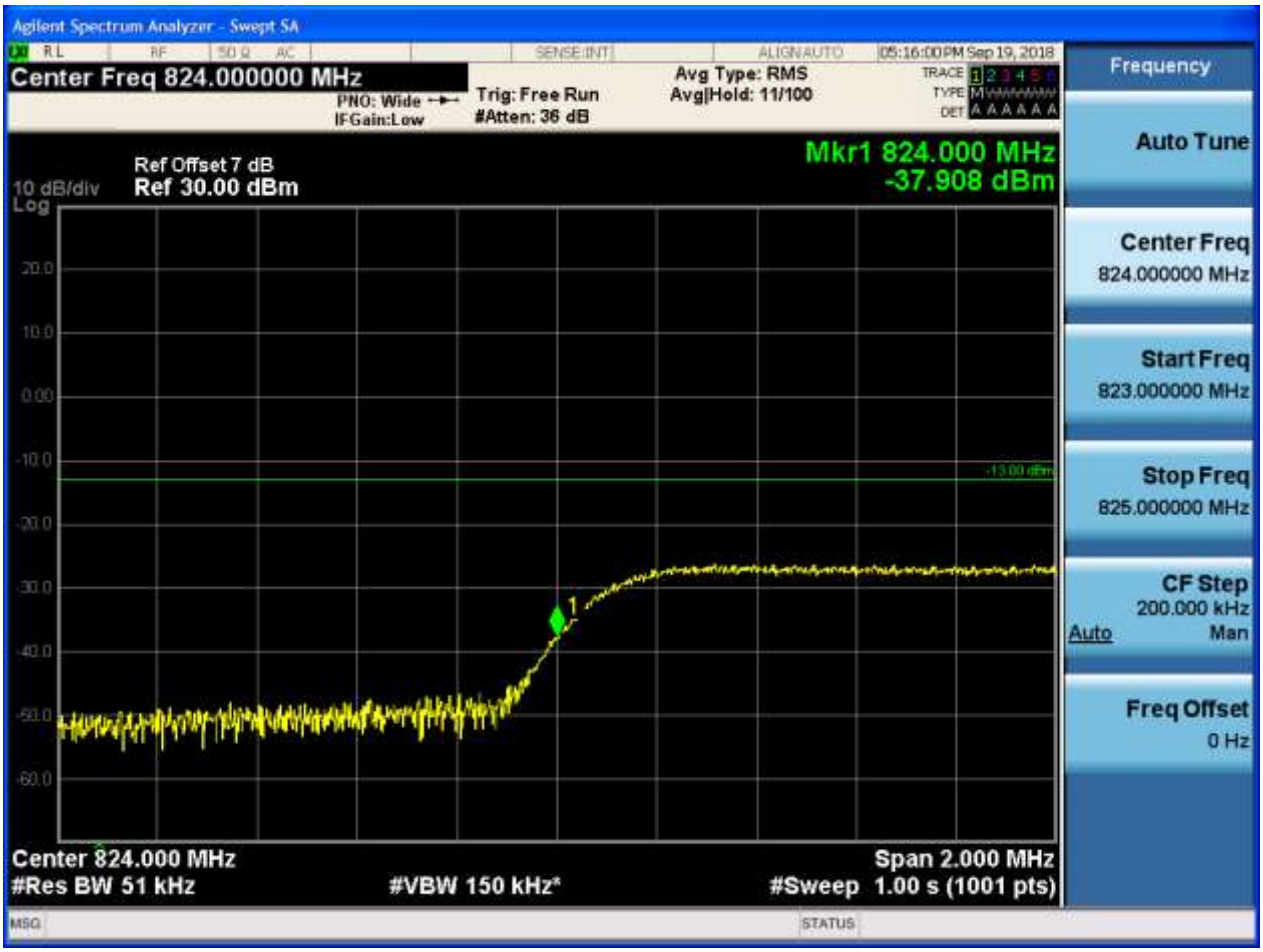
5.1.1.1.1.1.2 Test RB = RB1#24



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5.1.1.1.1.1.3 Test RB = RB12#6

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5.1.1.1.1.1.4 Test RB = RB25#0

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5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0

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5.1.1.1.1.2.2 Test RB = RB1#24

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5.1.1.1.1.2.3 Test RB = RB12#6

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5.1.1.1.1.2.4 Test RB = RB25#0

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5.1.1.1.2 Test Bandwidth = 10

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0

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5.1.1.1.2.1.2 Test RB = RB1#49

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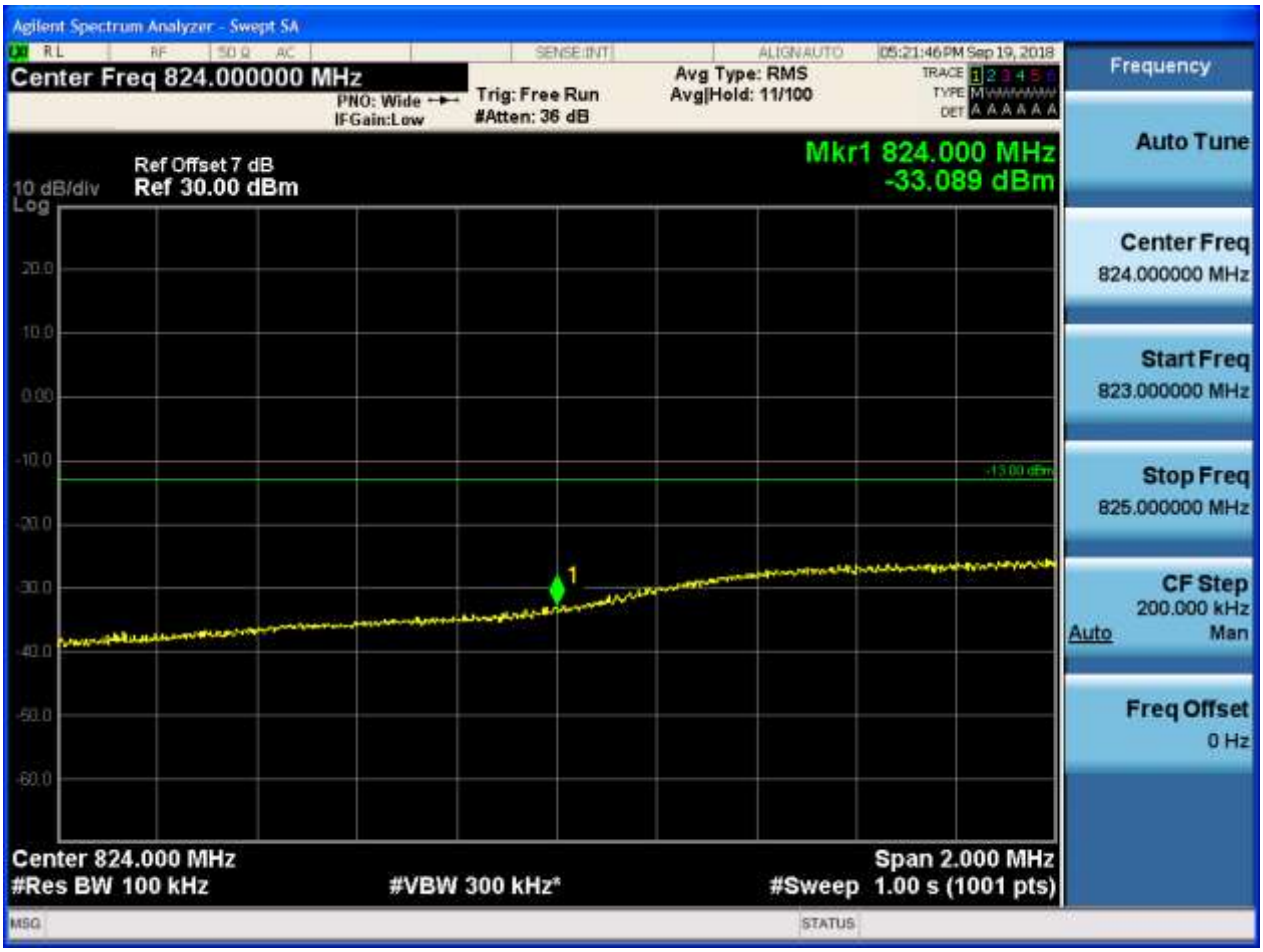
5.1.1.1.2.1.3 Test RB = RB25#13



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5.1.1.1.2.1.4 Test RB = RB50#0

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5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0

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5.1.1.1.2.2.2 Test RB = RB1#49

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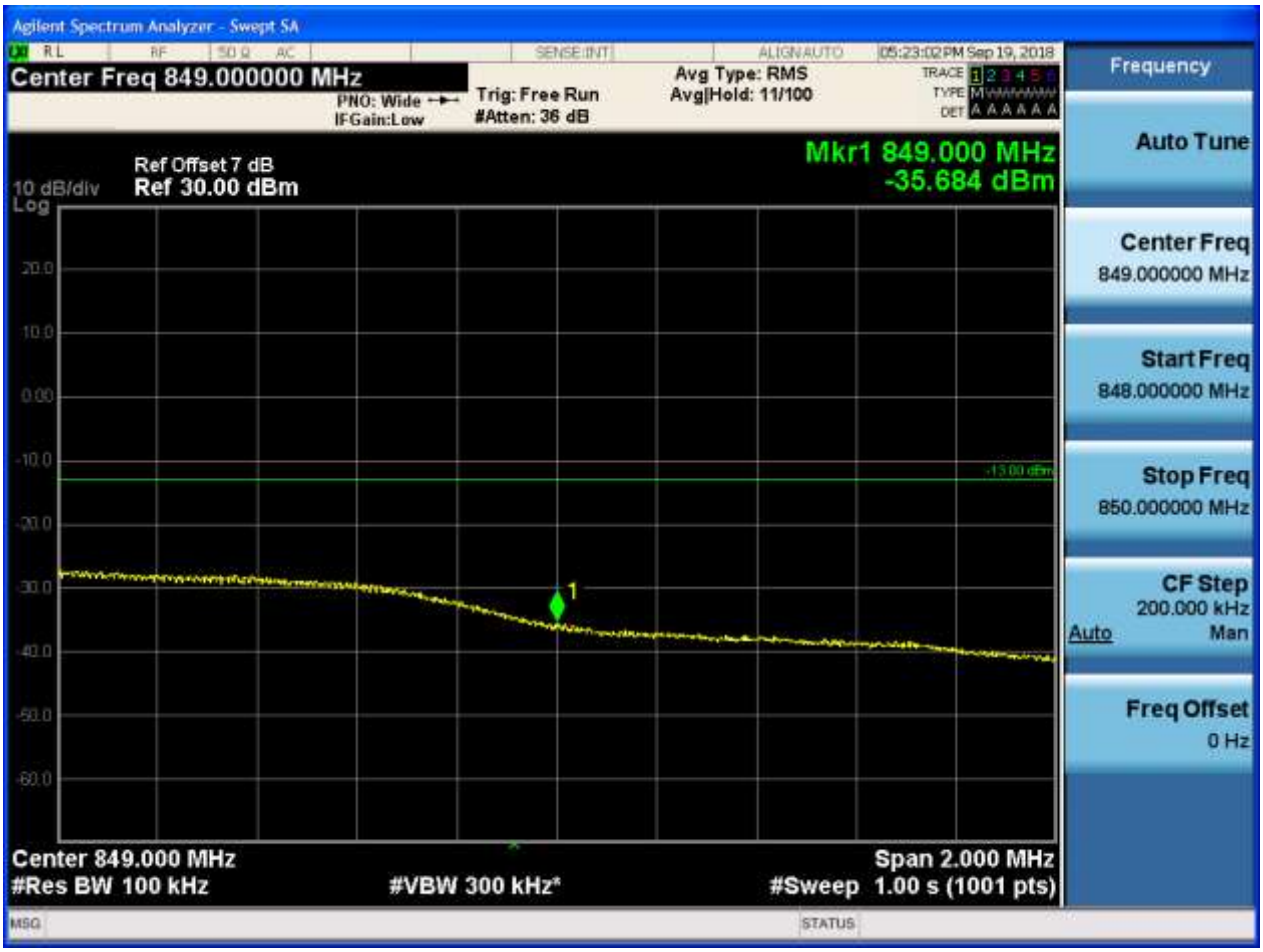
5.1.1.1.2.2.3 Test RB = RB25#13



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5.1.1.1.2.2.4 Test RB = RB50#0

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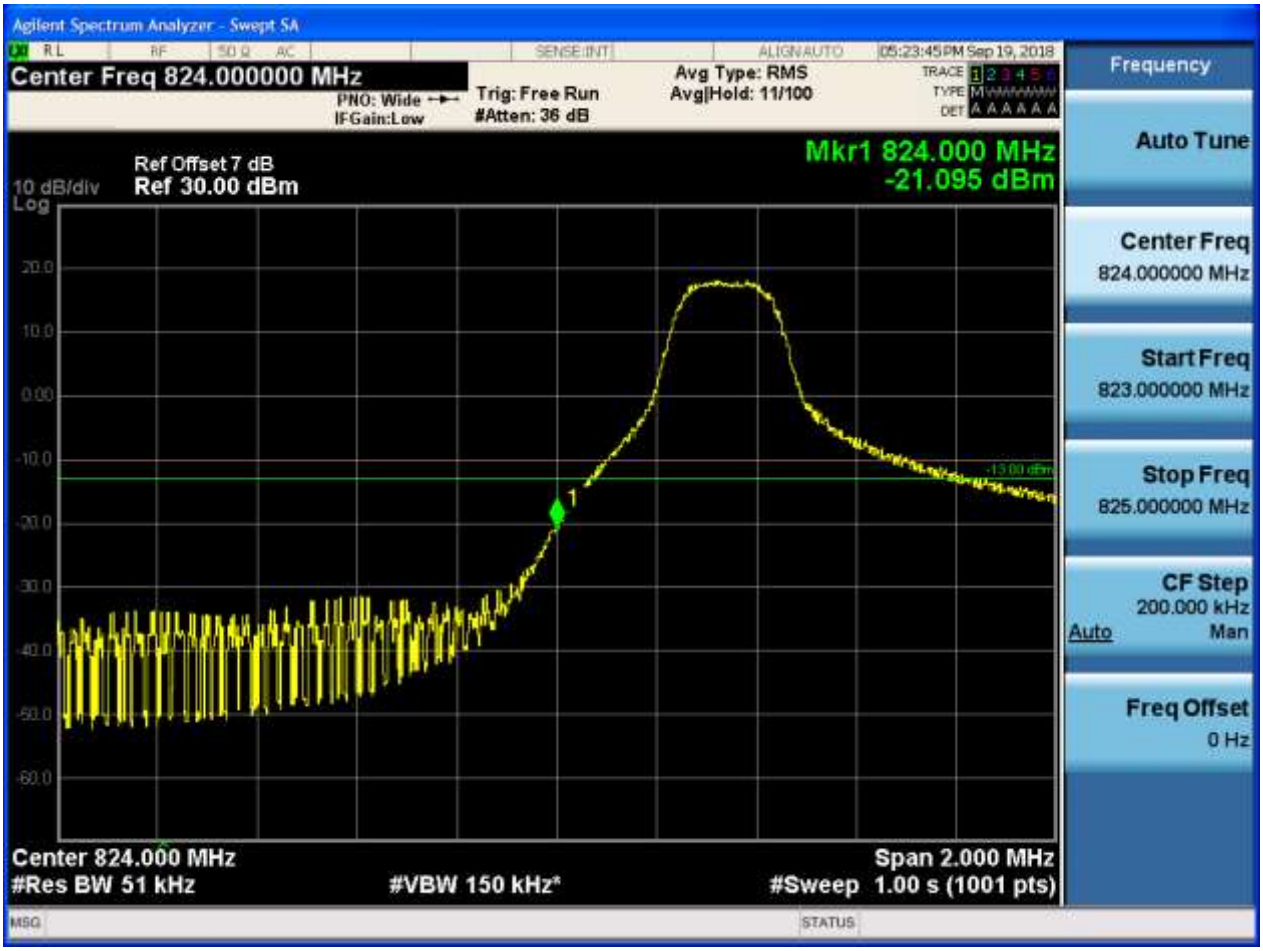
5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

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



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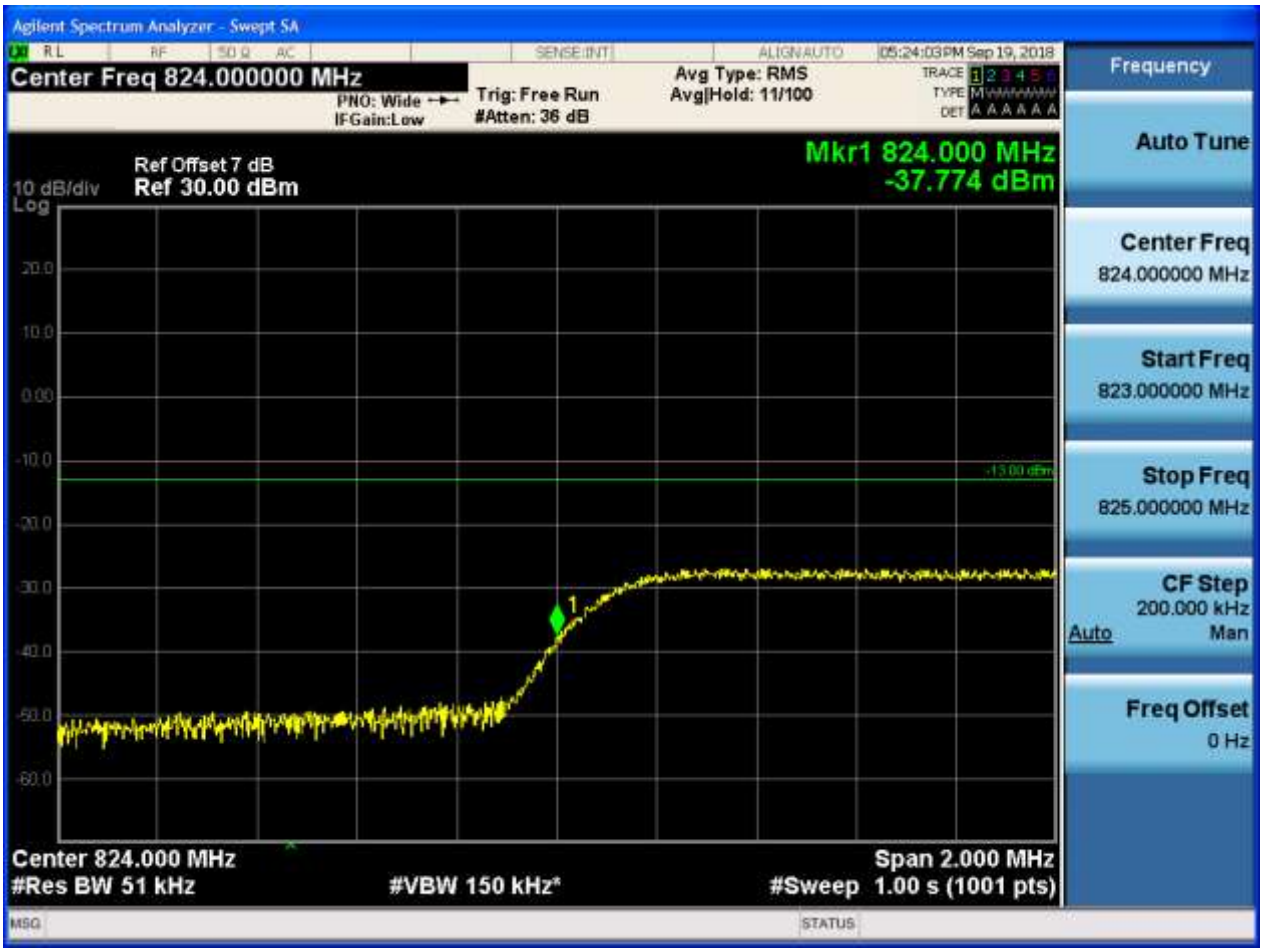
5.1.1.2.1.1.2 Test RB = RB1#24



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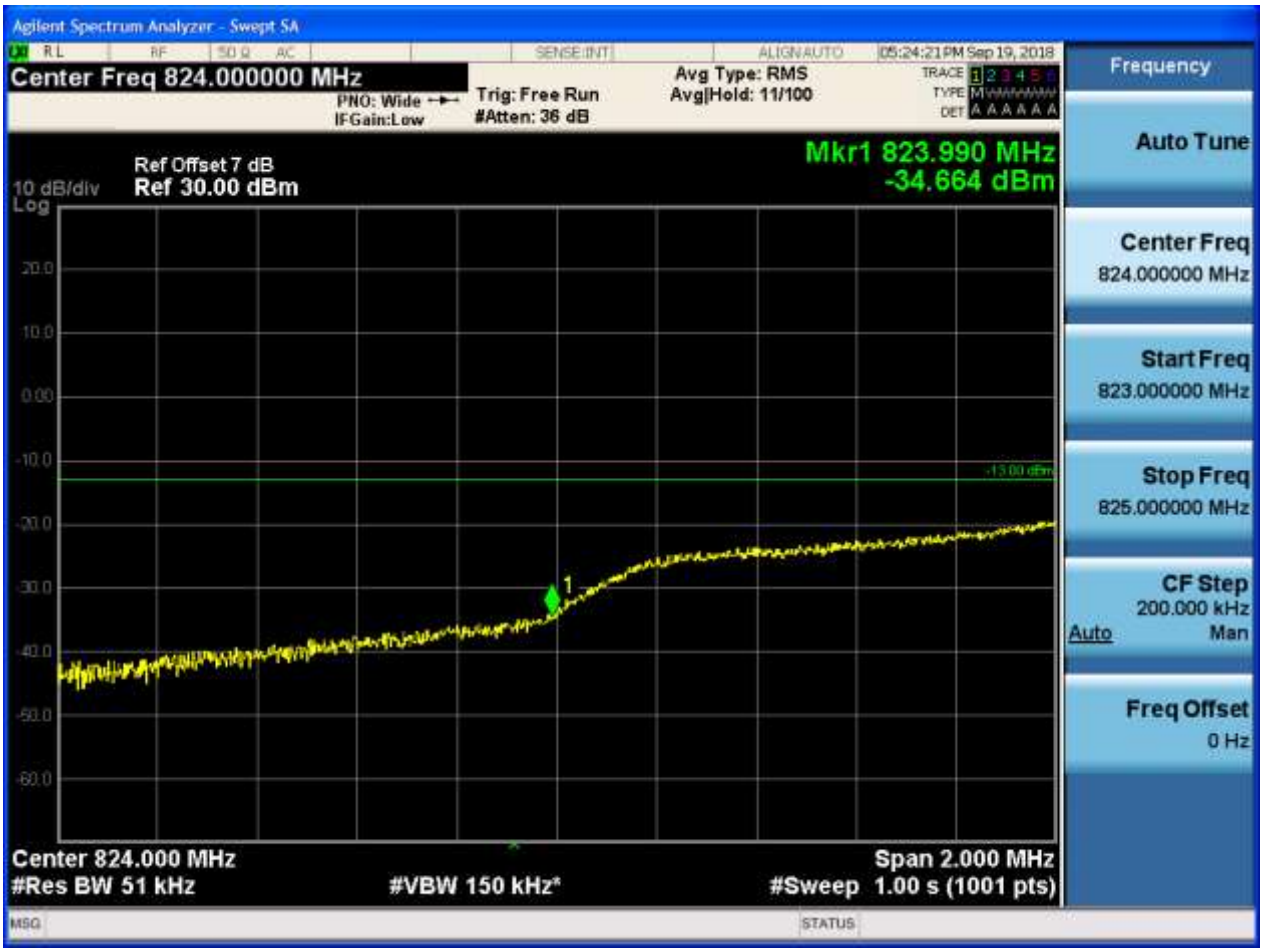
5.1.1.2.1.1.3 Test RB = RB12#6



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5.1.1.2.1.1.4 Test RB = RB25#0

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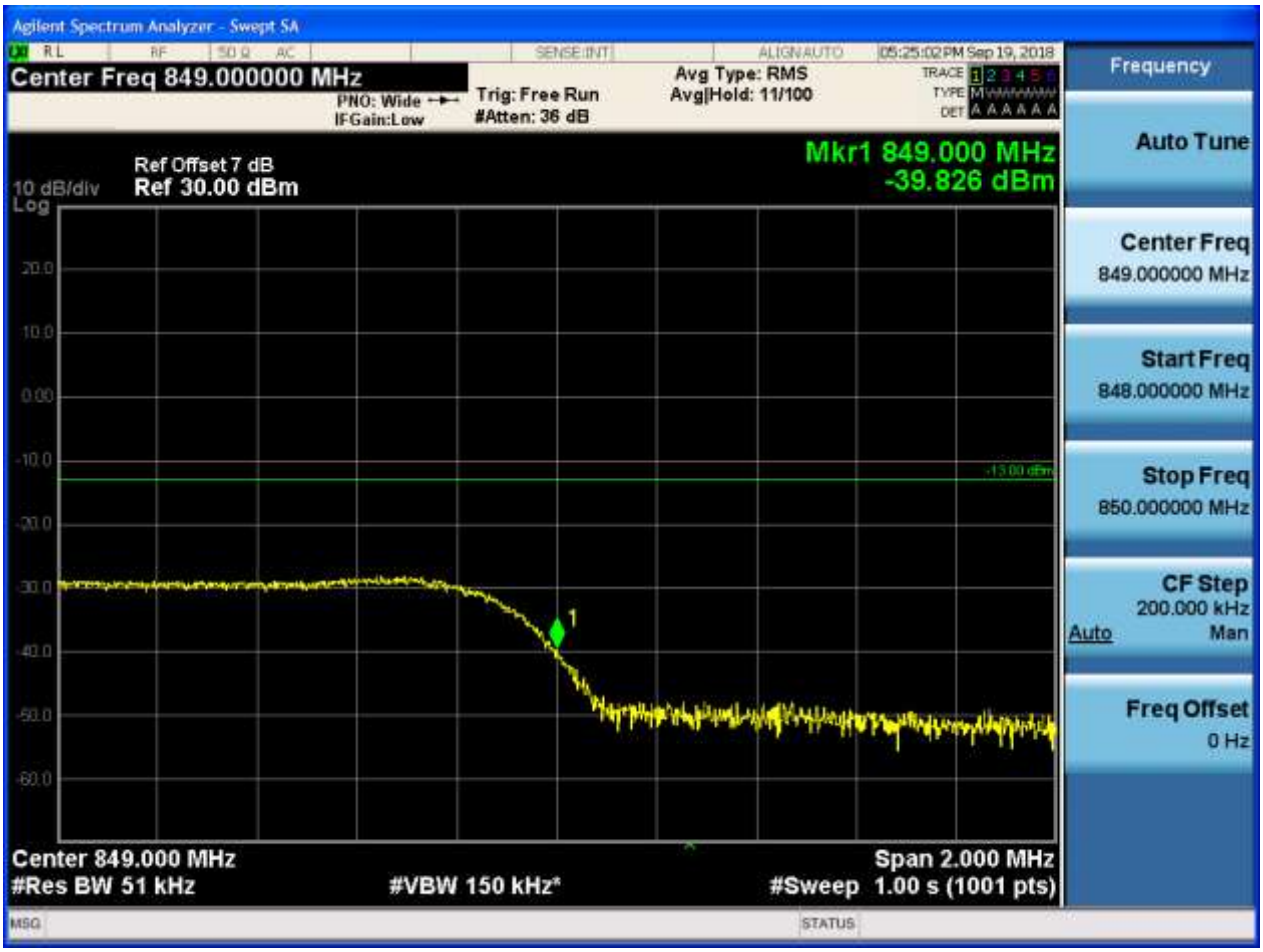
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



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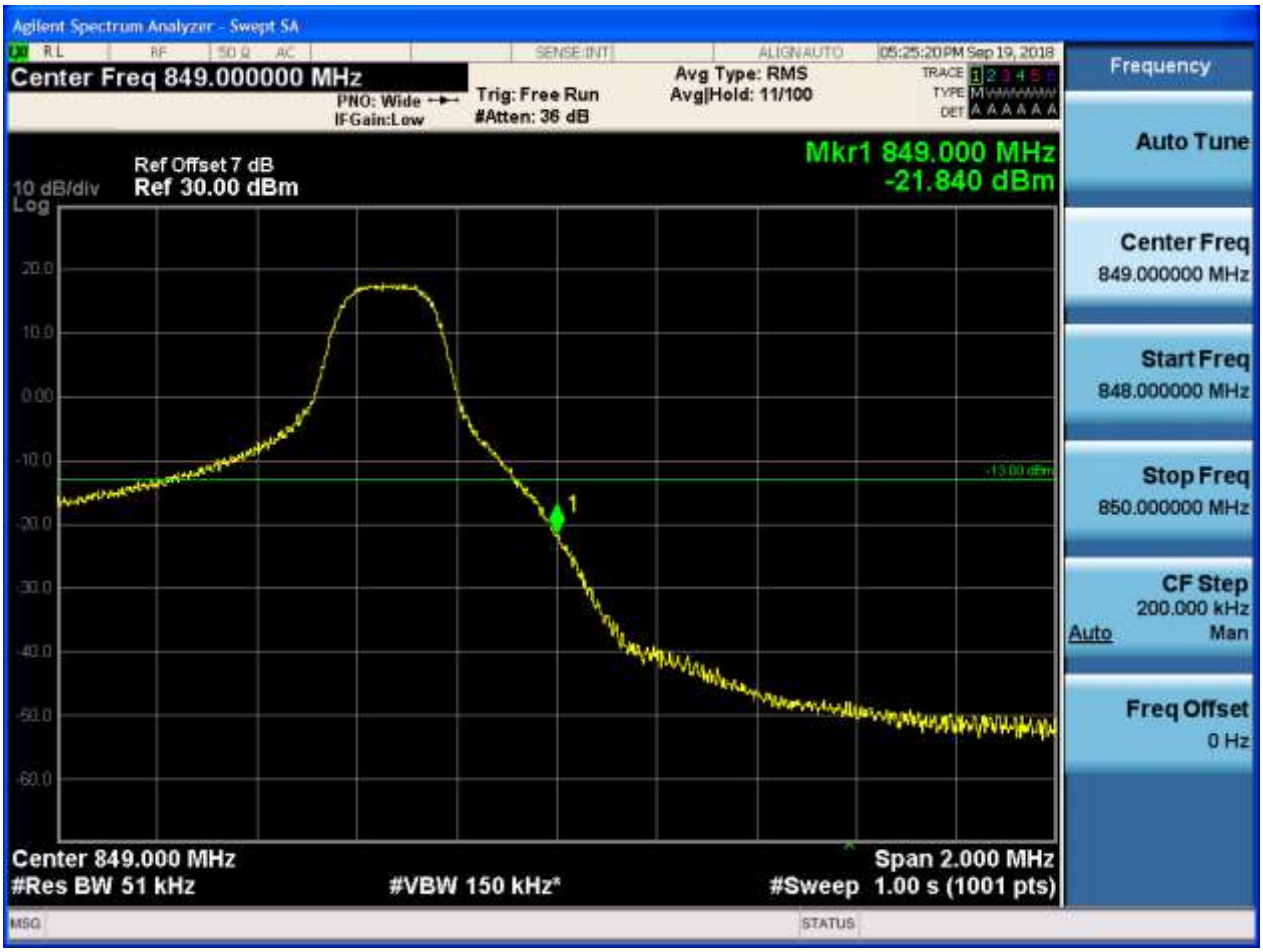
5.1.1.2.1.2.2 Test RB = RB1#24



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5.1.1.2.1.2.3 Test RB = RB12#6

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5.1.1.2.1.2.4 Test RB = RB25#0

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5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0

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5.1.1.2.2.1.2 Test RB = RB1#49

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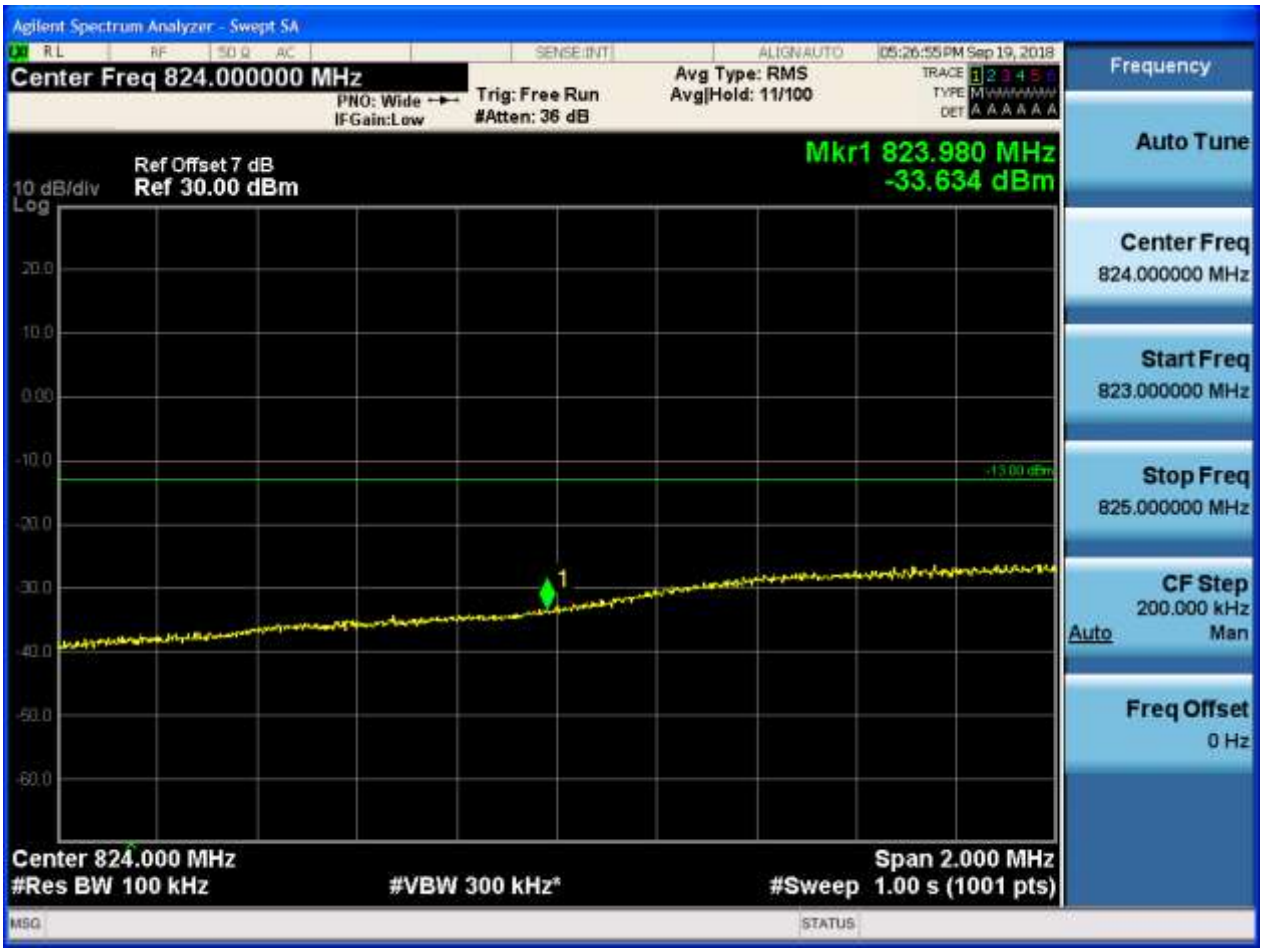
5.1.1.2.2.1.3 Test RB = RB25#13



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5.1.1.2.2.1.4 Test RB = RB50#0

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5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0

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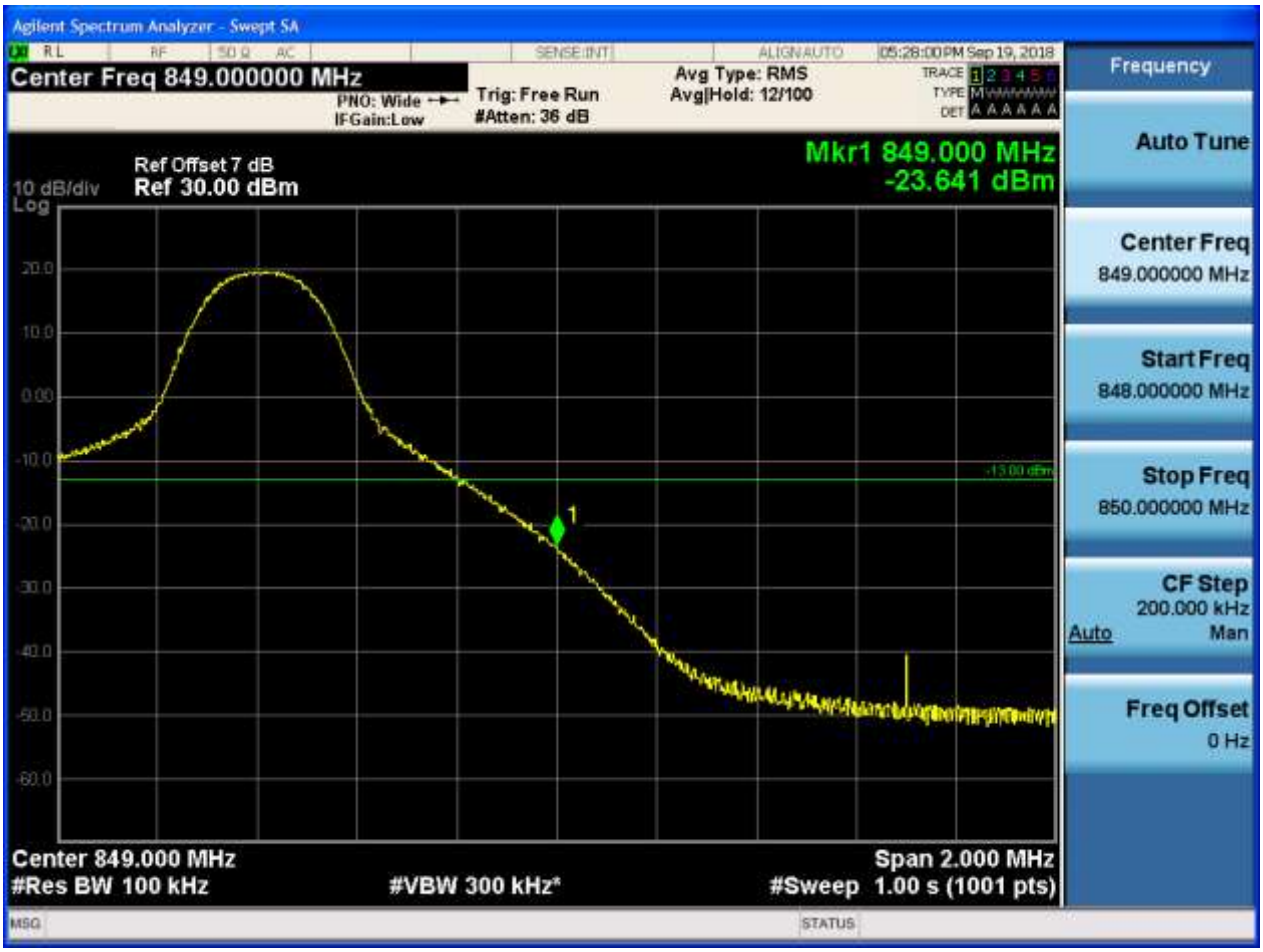
5.1.1.2.2.2 Test RB = RB1#49



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5.1.1.2.2.3 Test RB = RB25#13

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5.1.1.2.2.4 Test RB = RB50#0

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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 LTE

6.1.1 Test Band = BAND5

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

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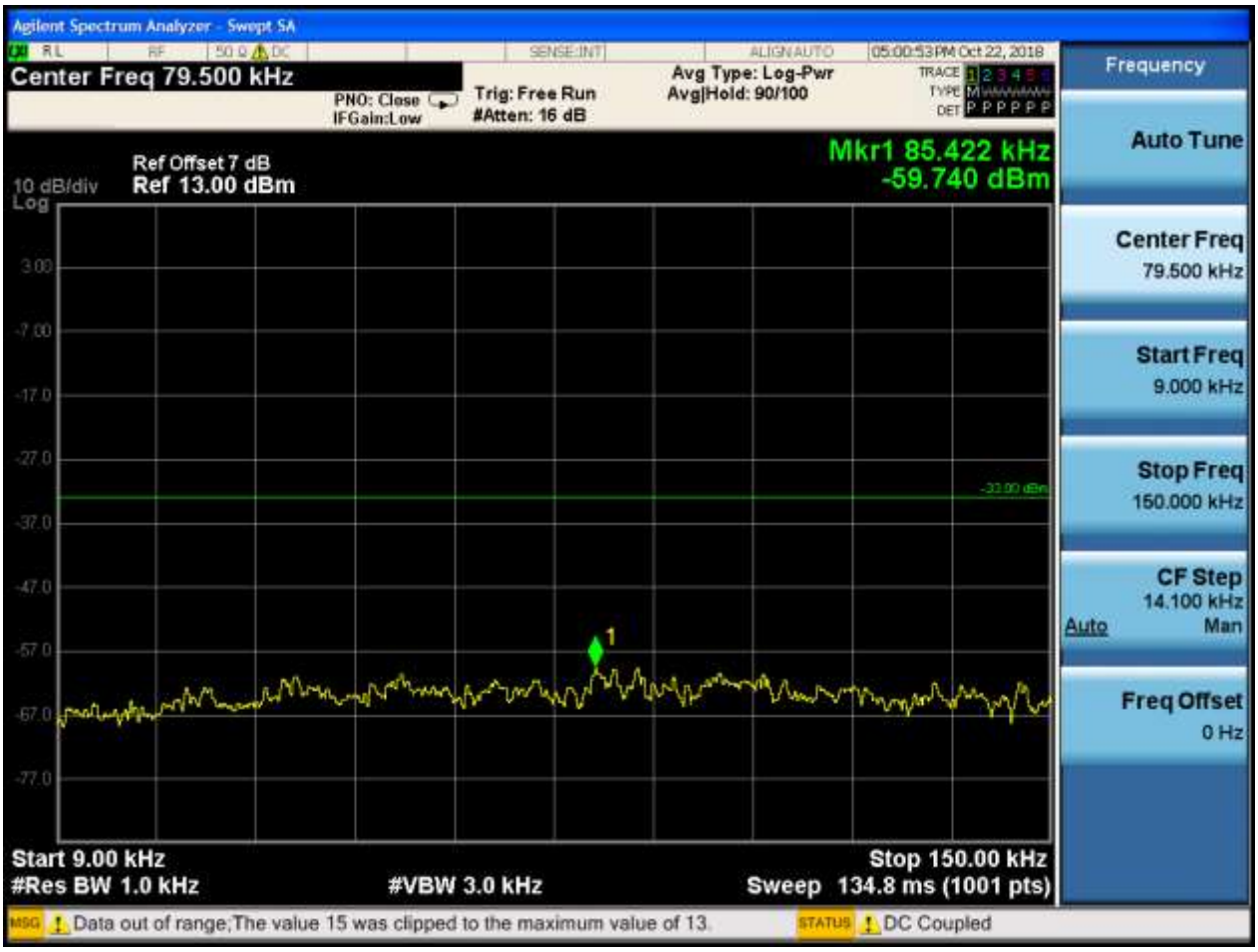

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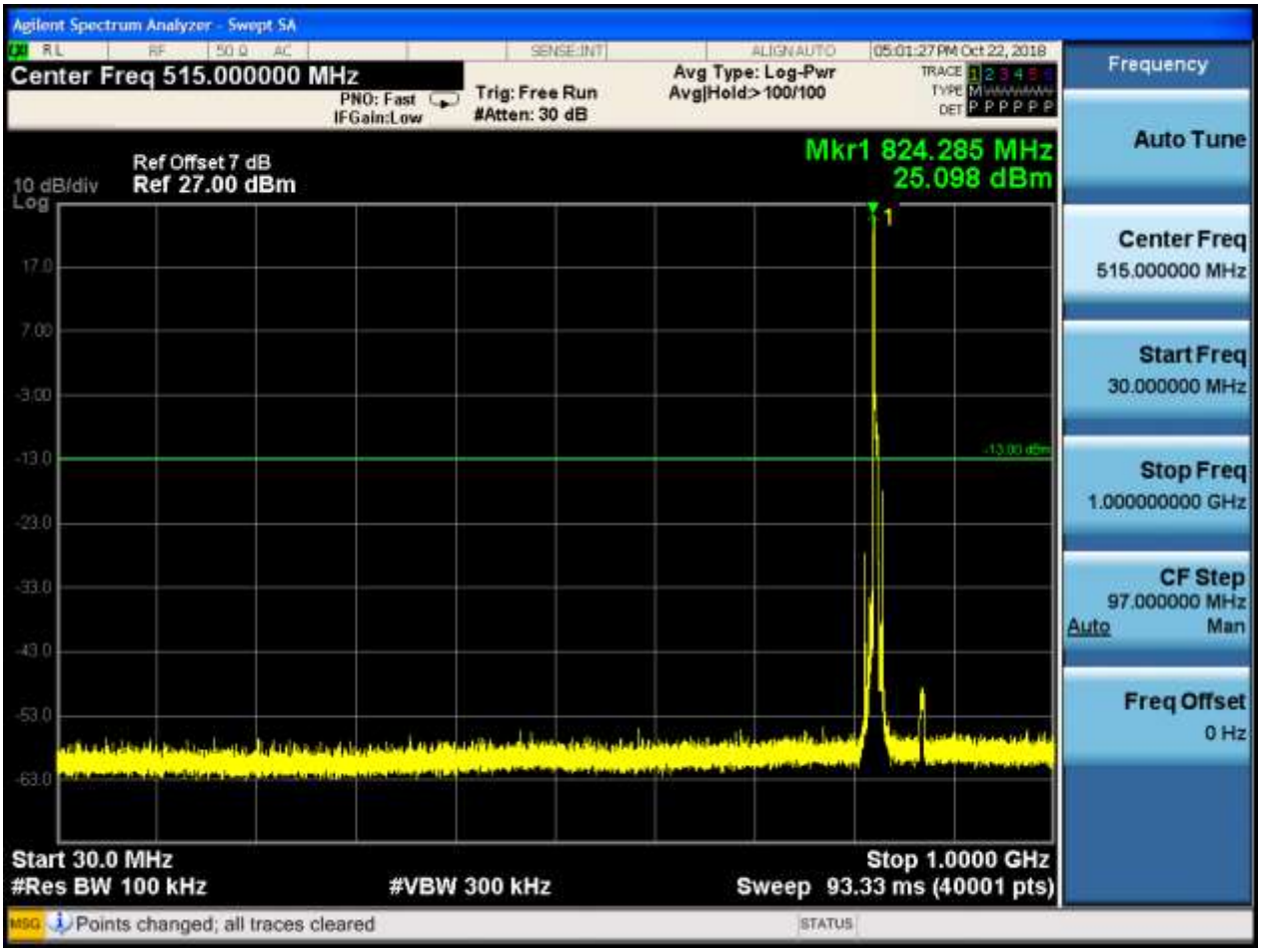

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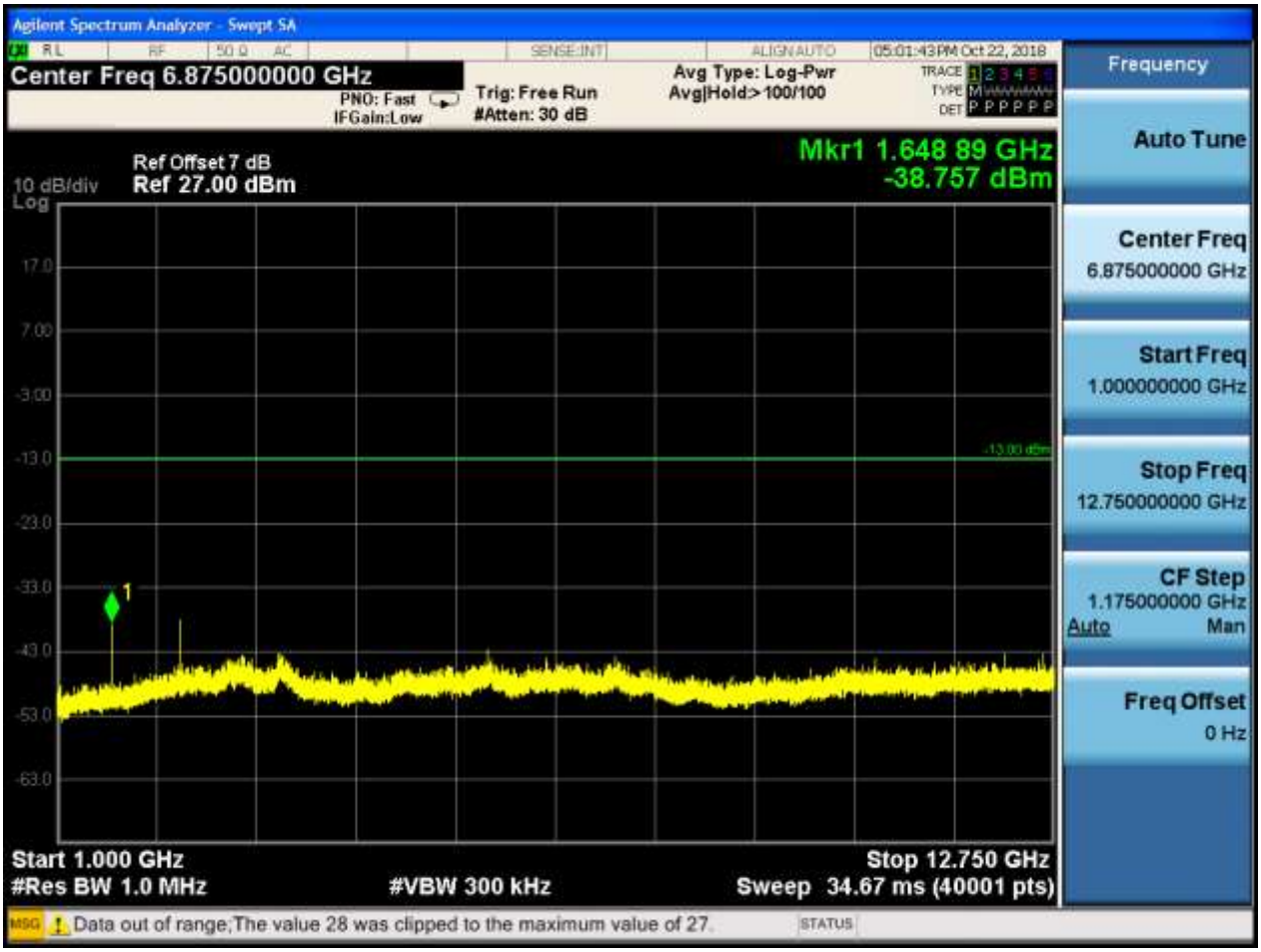

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6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

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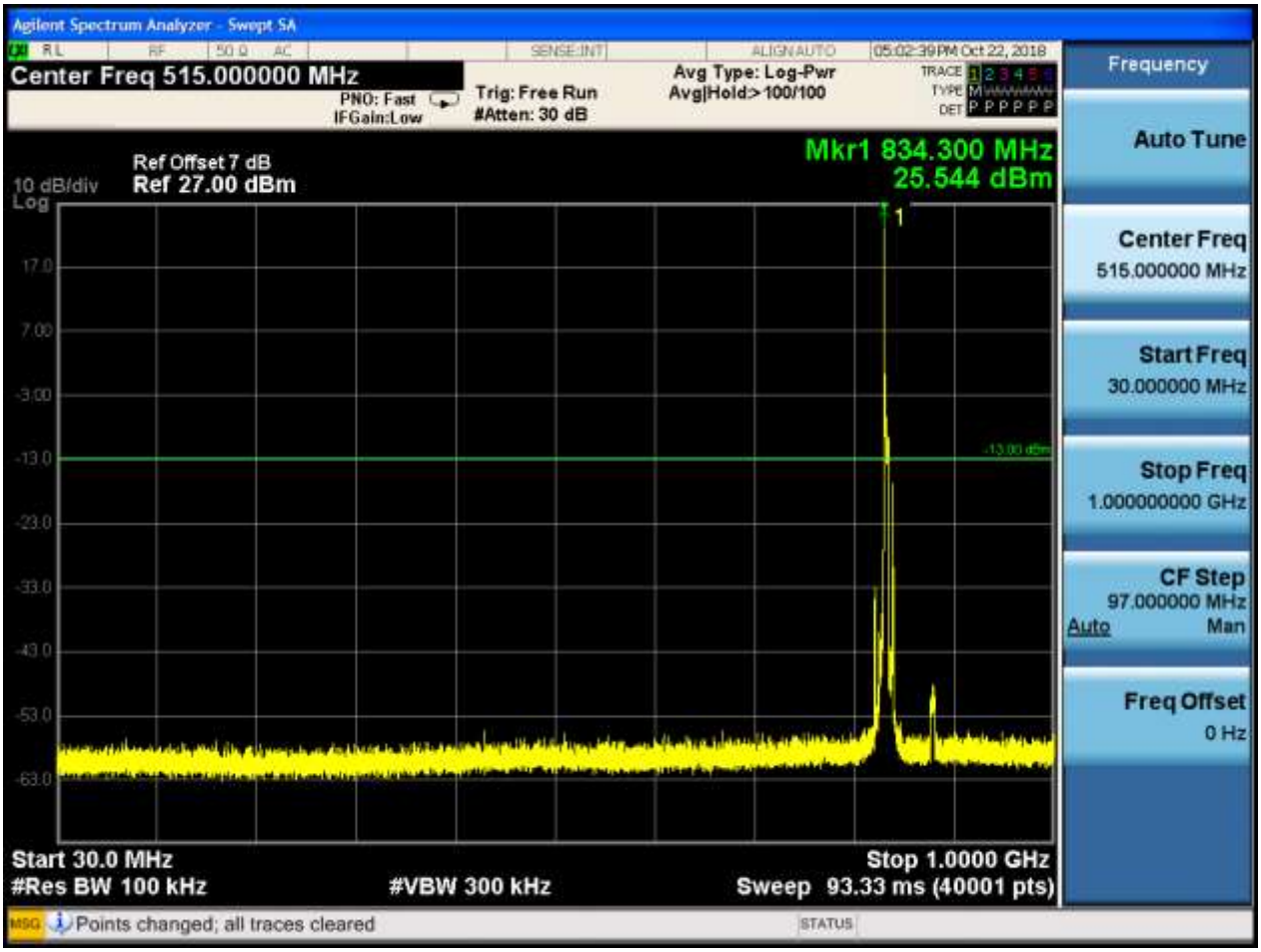

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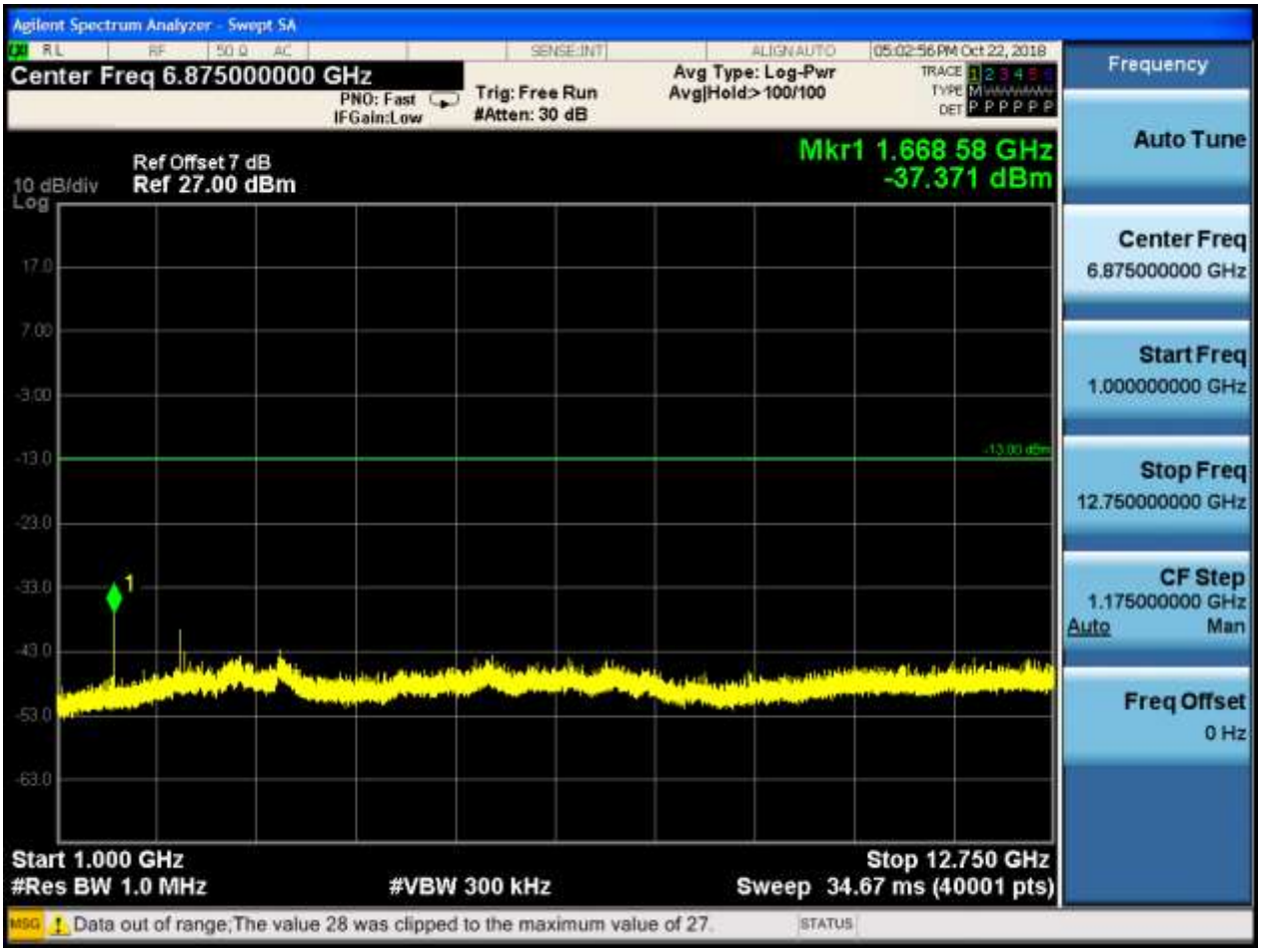

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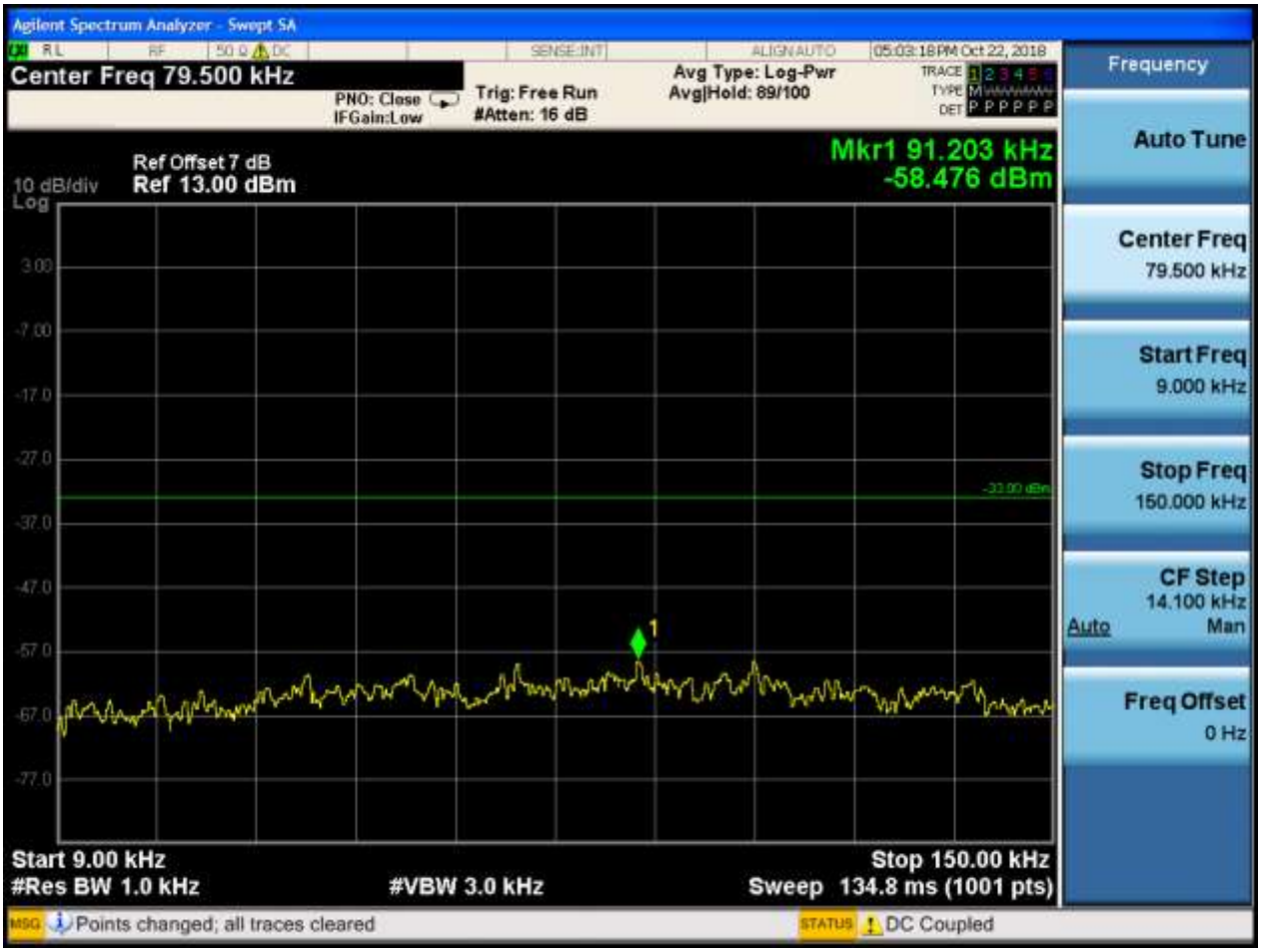
6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



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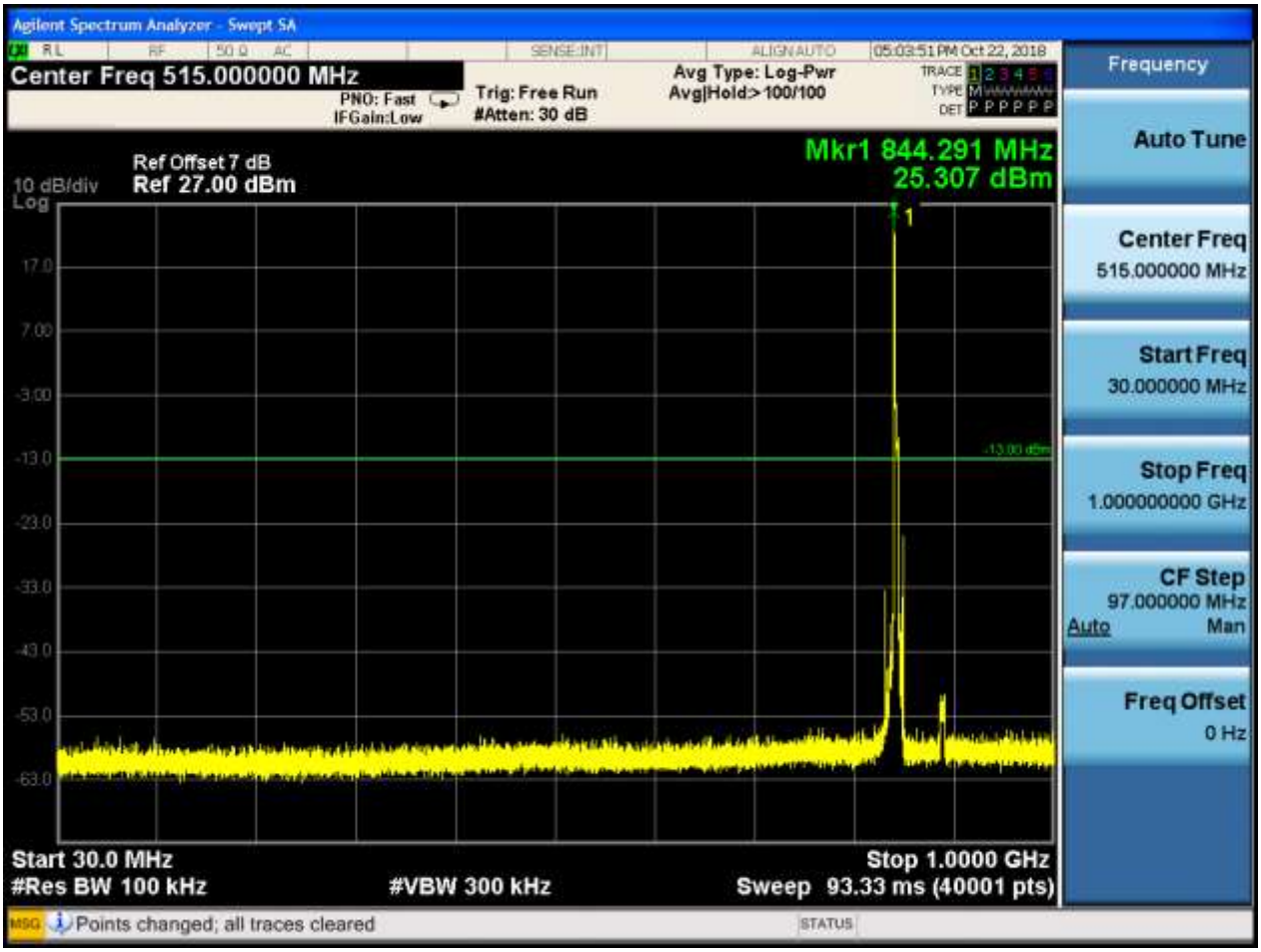

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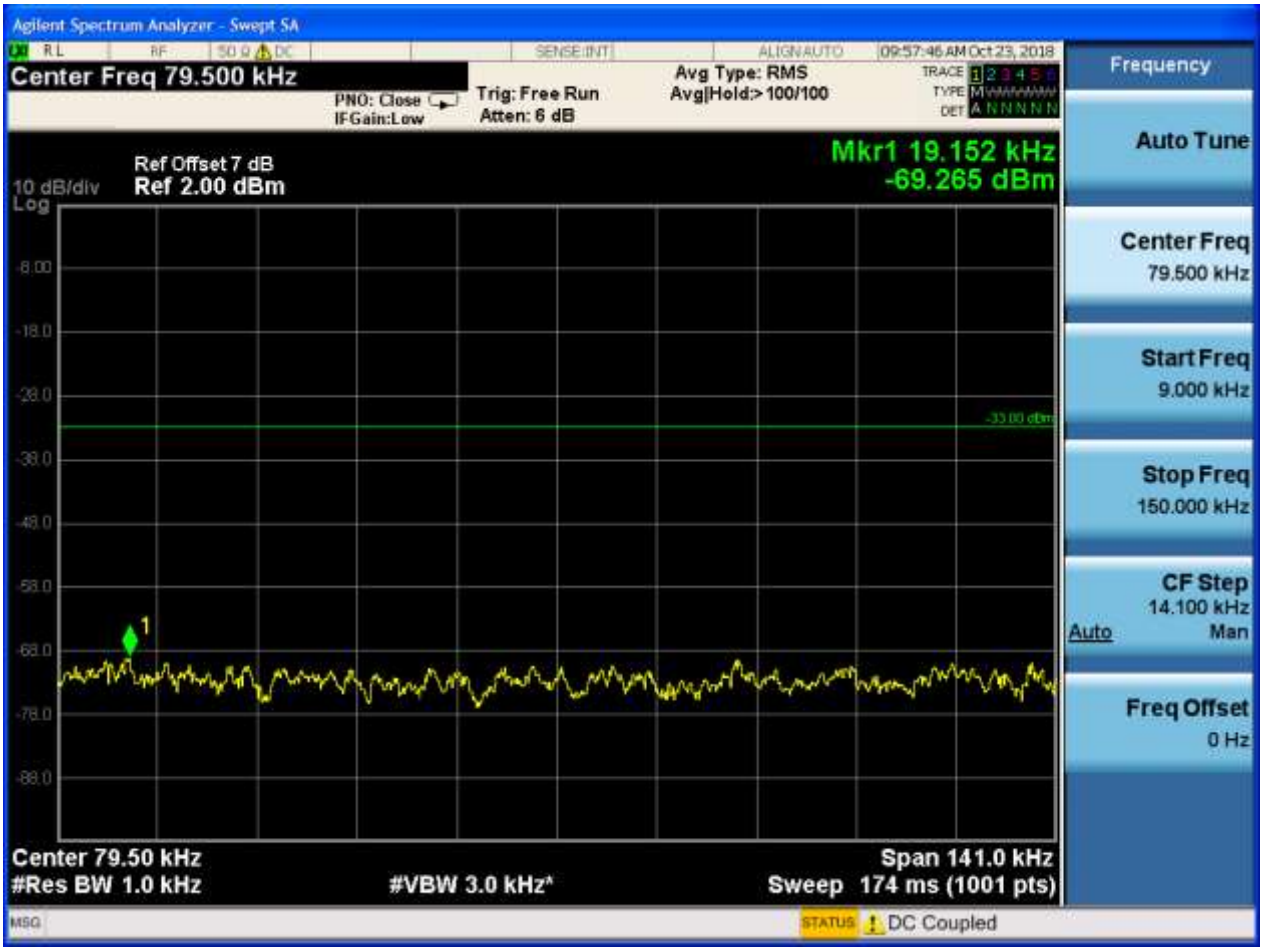
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



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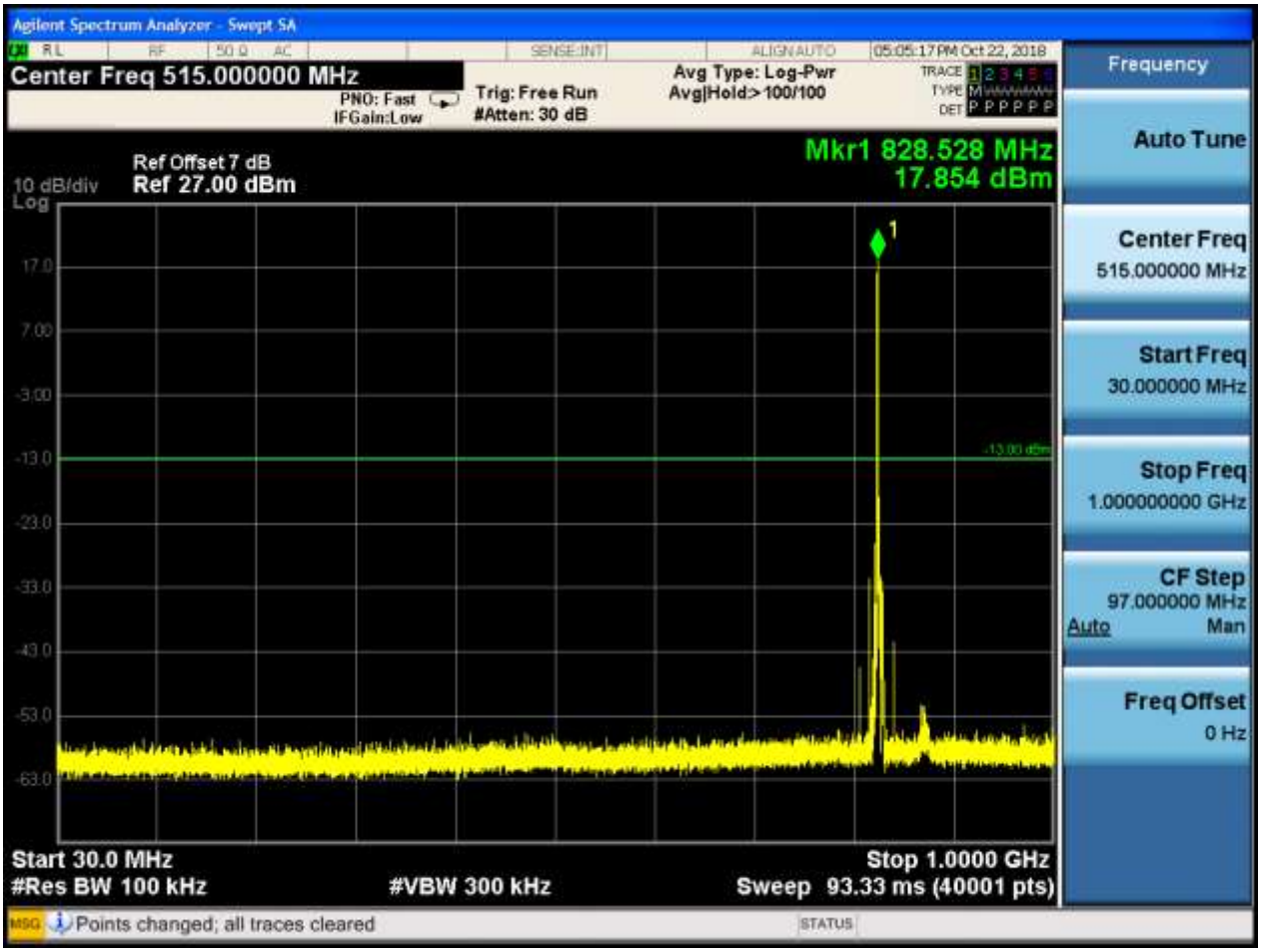

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6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

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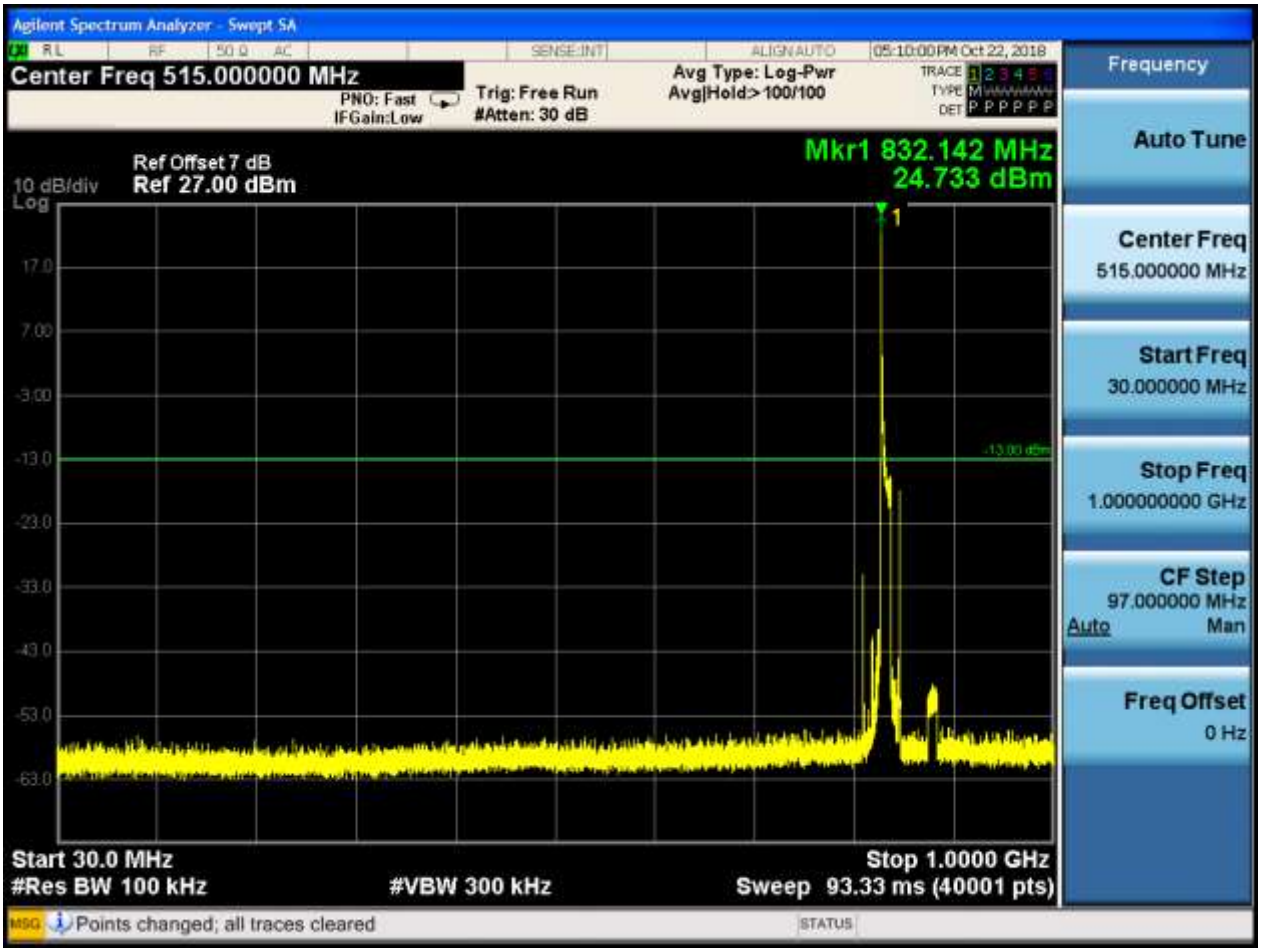

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6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0

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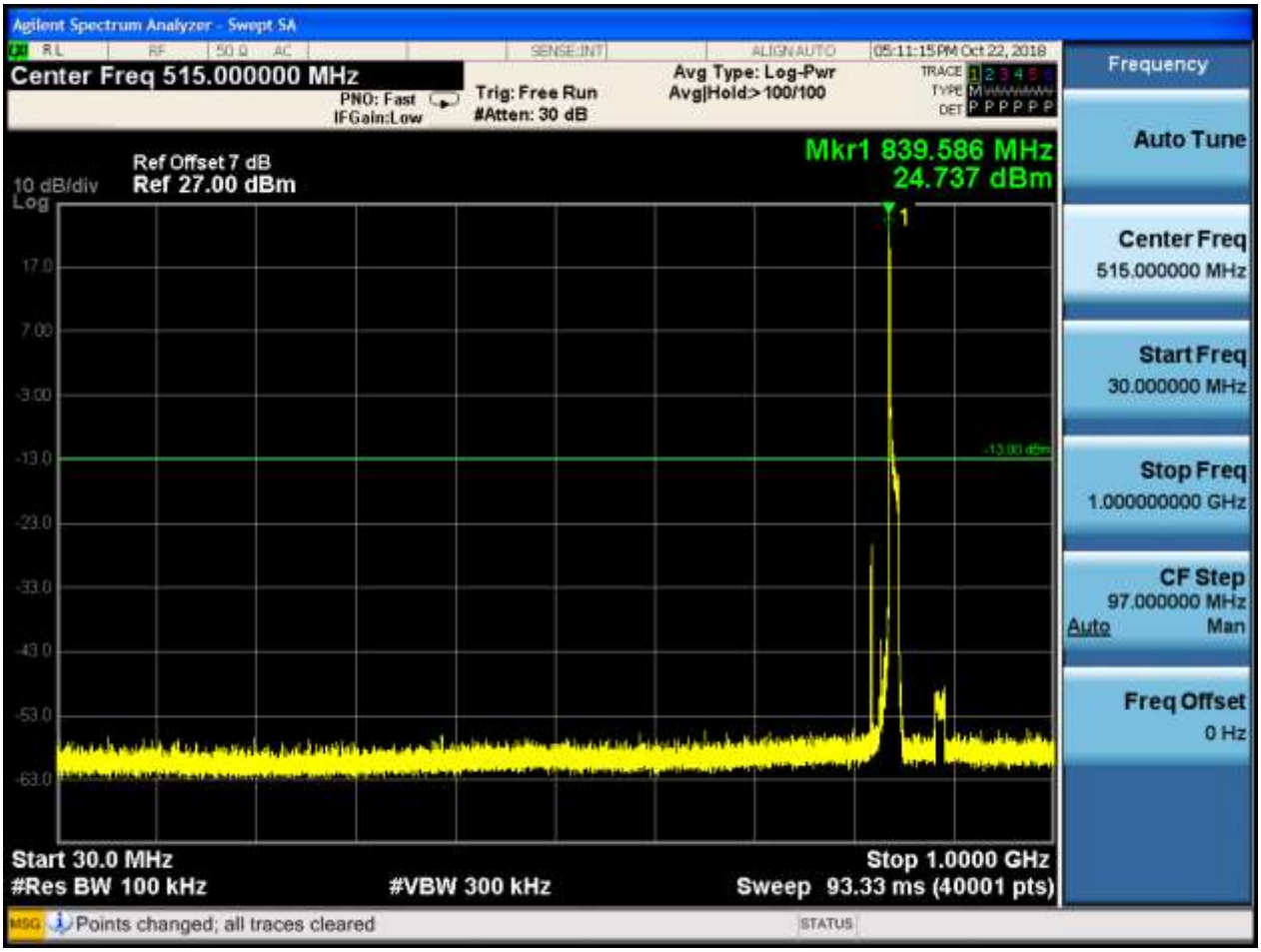

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6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

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

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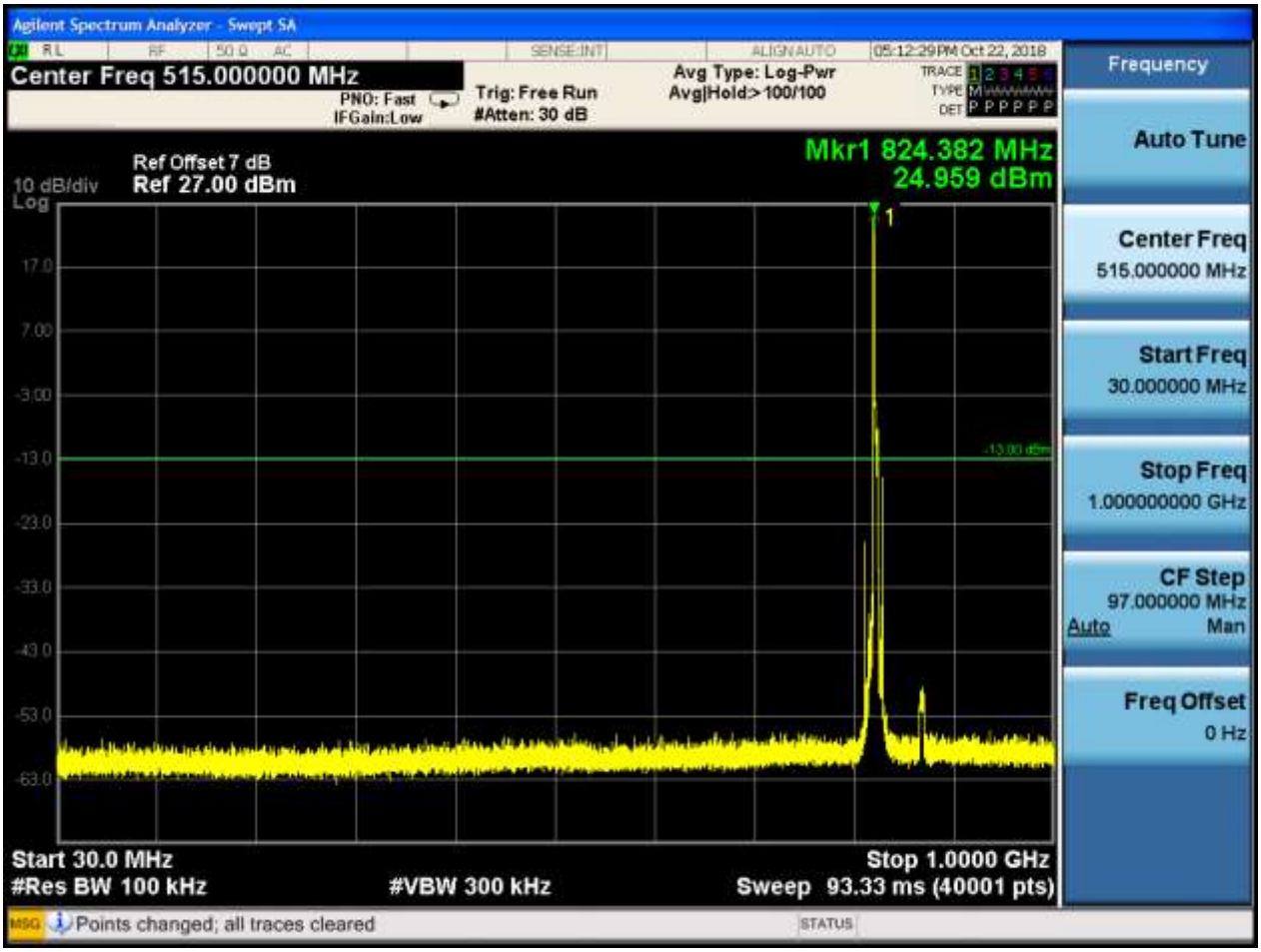

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6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

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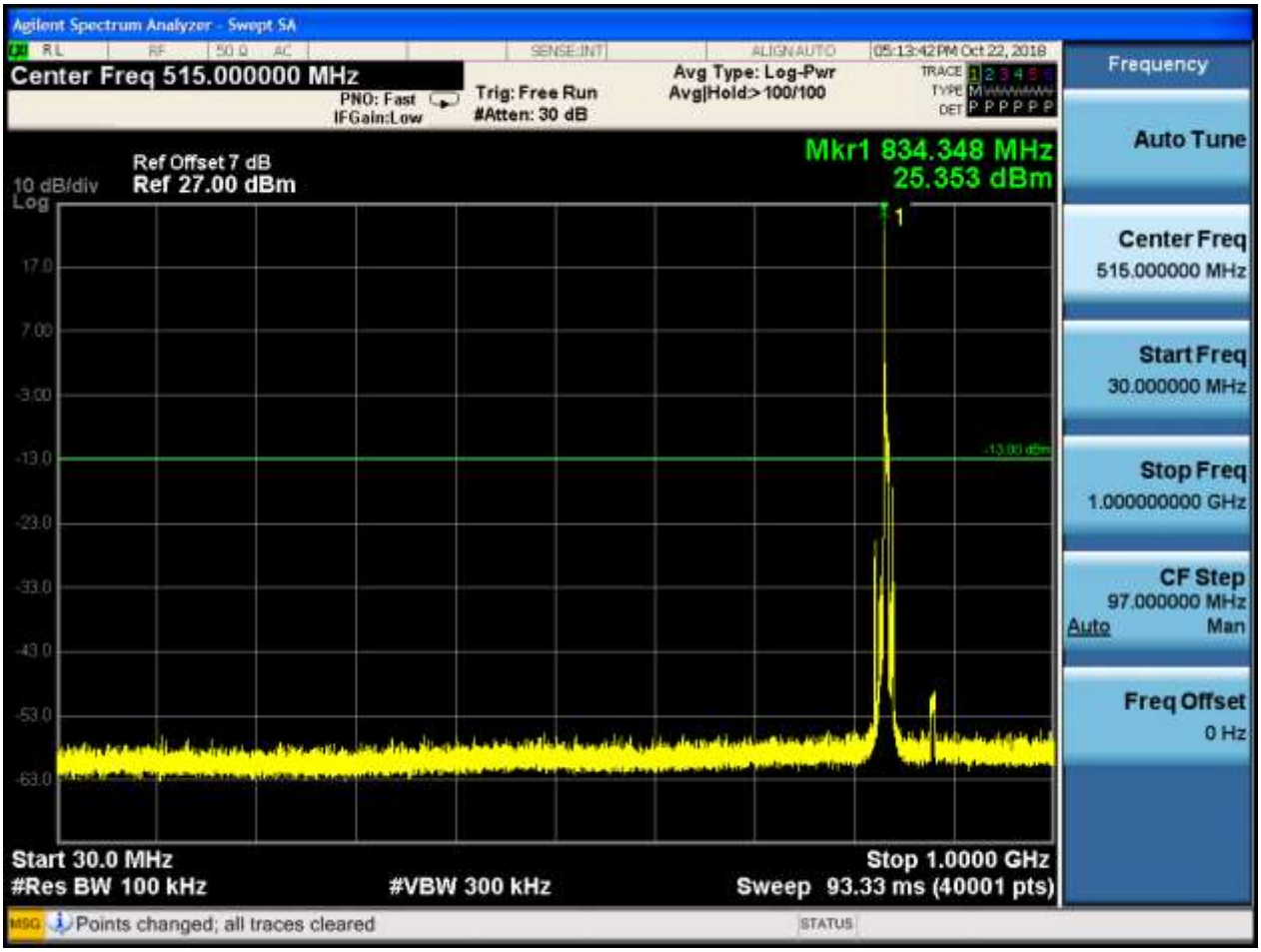

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6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0

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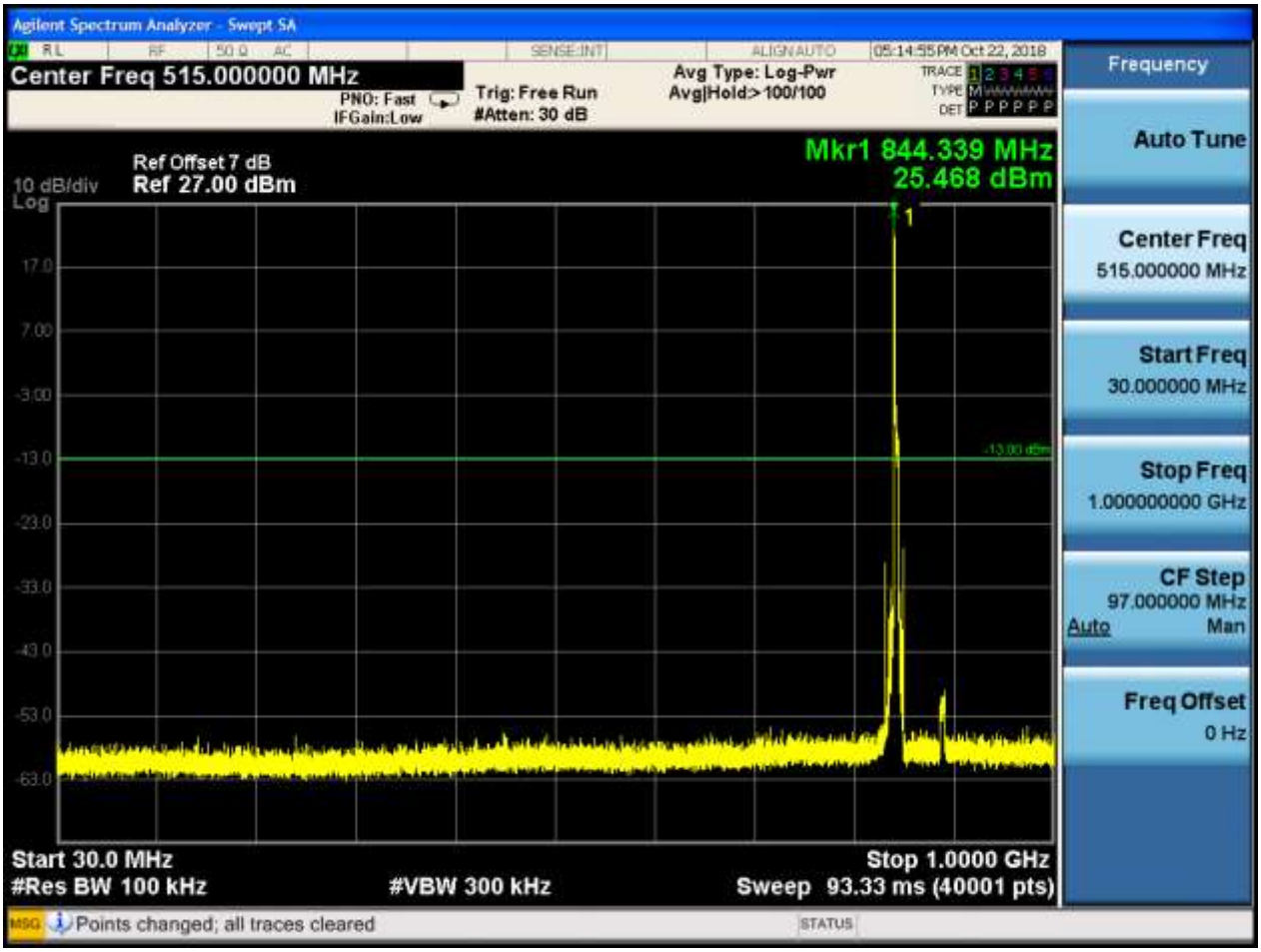

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6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

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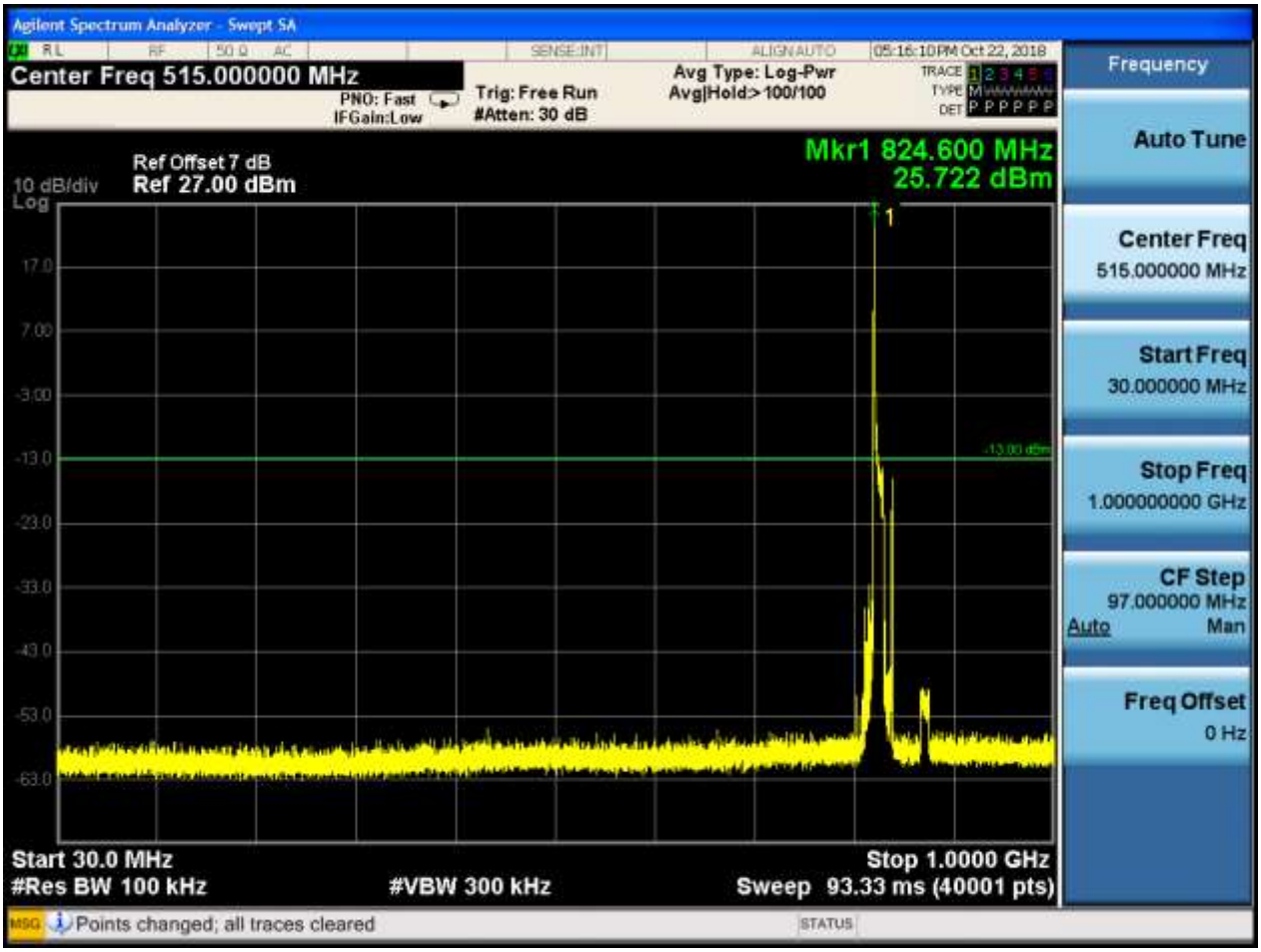

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6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

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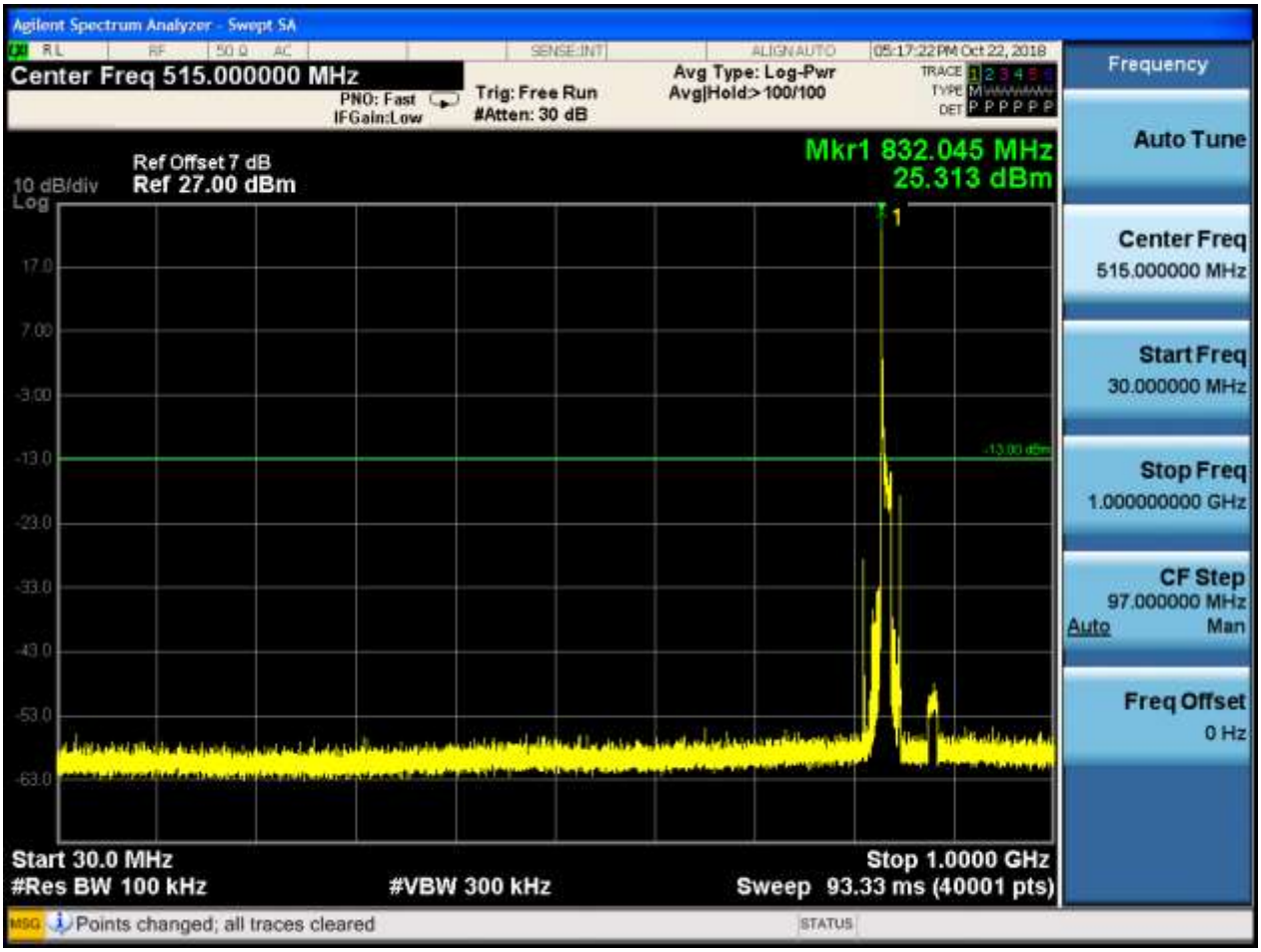

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6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0

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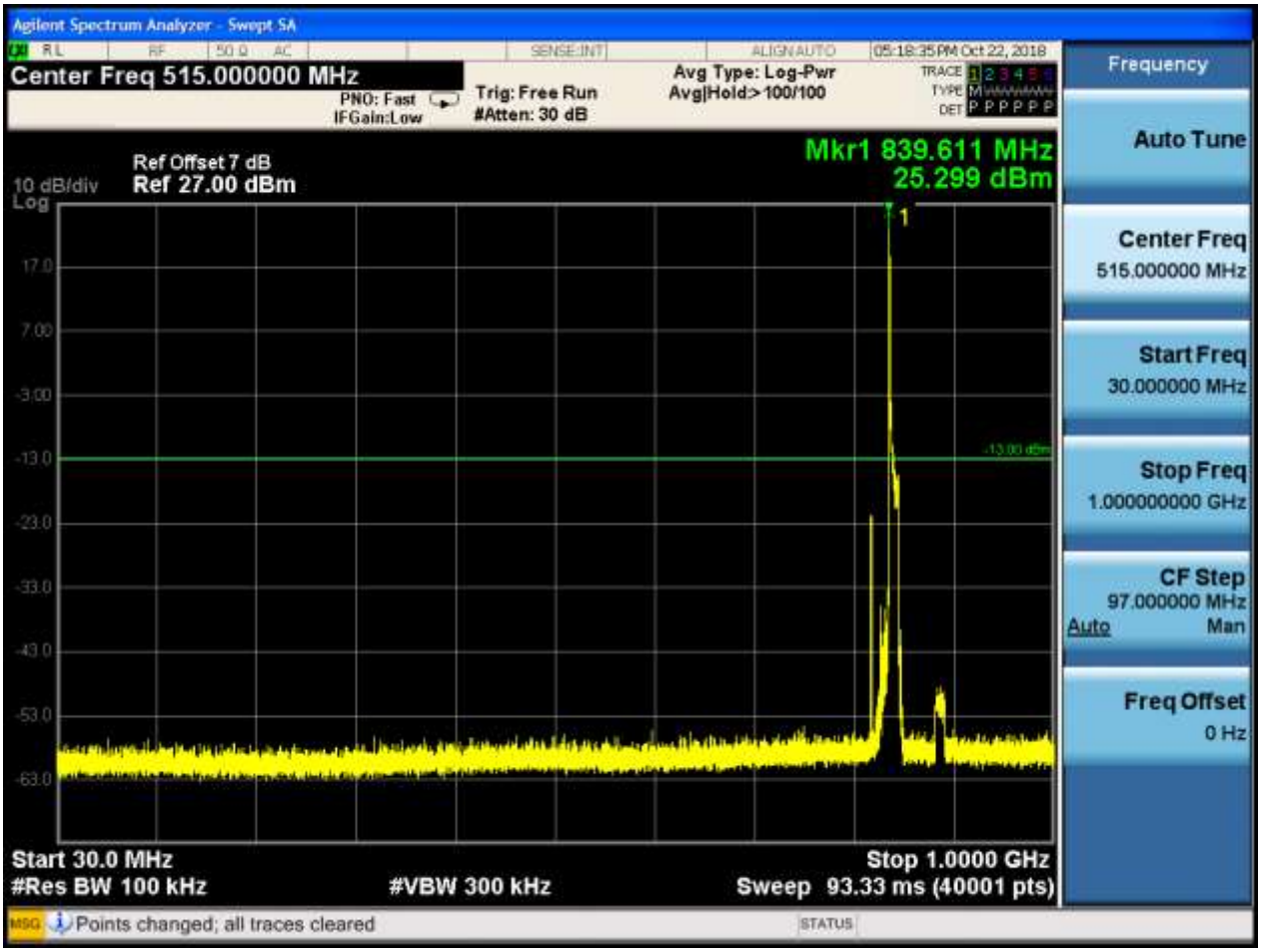

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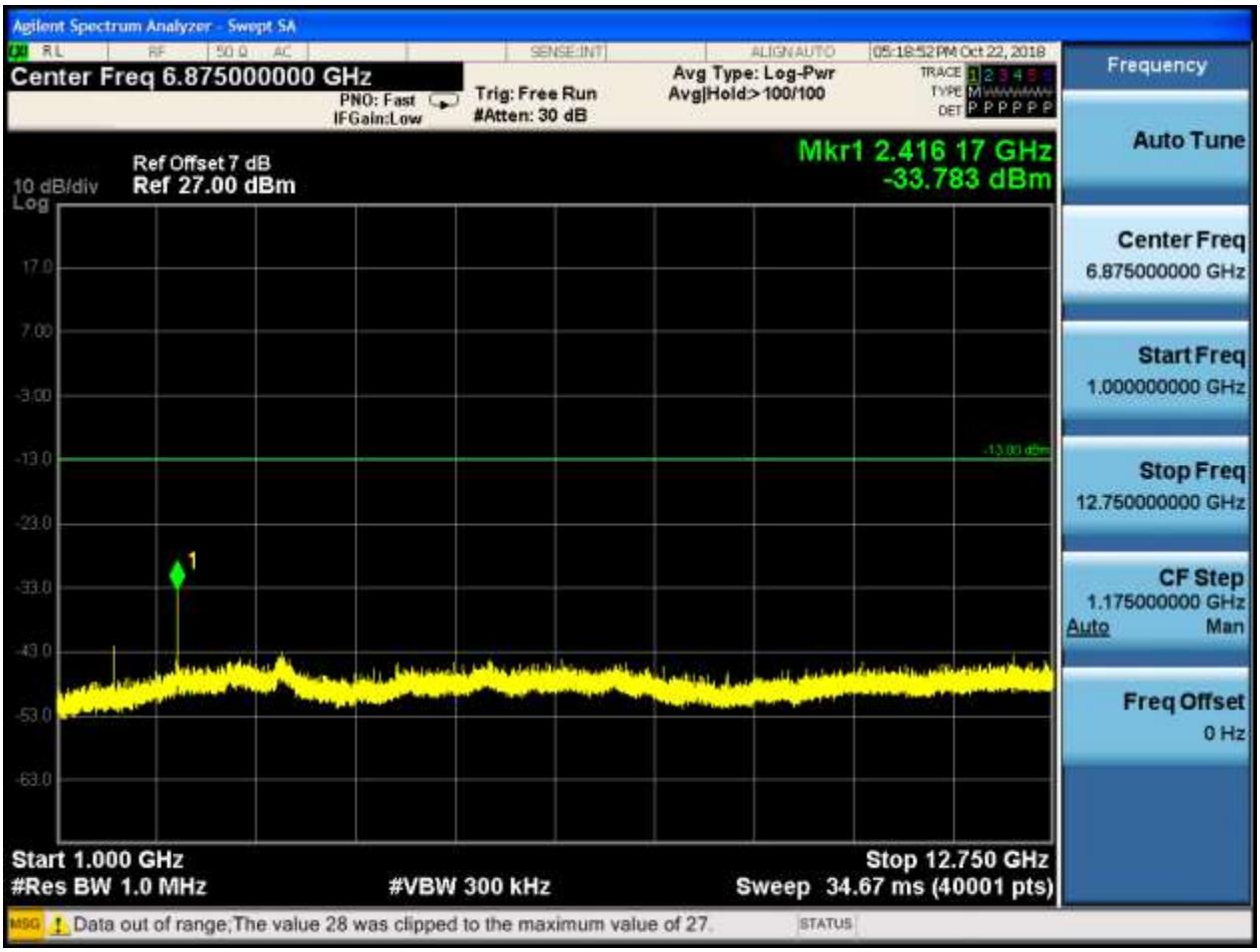

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7Appendix_G: Field Strength of Spurious Radiation

Note:We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

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

Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = BAND5

7.1.1.1 Test Bandwidth = 5

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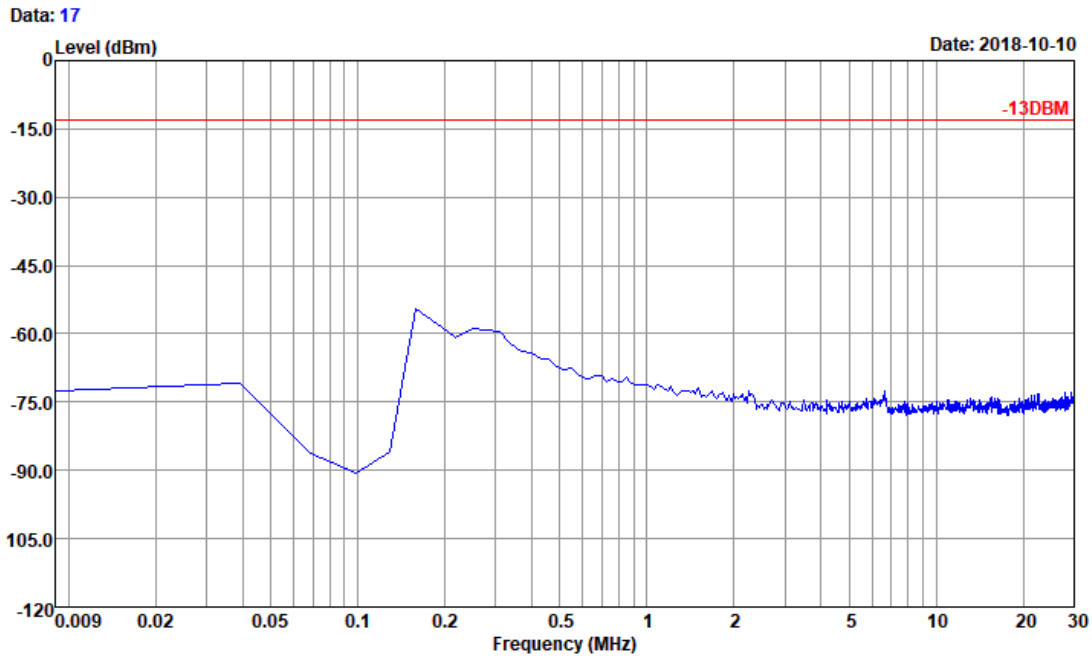

Site : 03CH01-SZ
Condition : -13DBM 9K-30M AMP NEUTRAL
: RBW:9.000KHz VBW:30.000KHz
: LTE B5 5M

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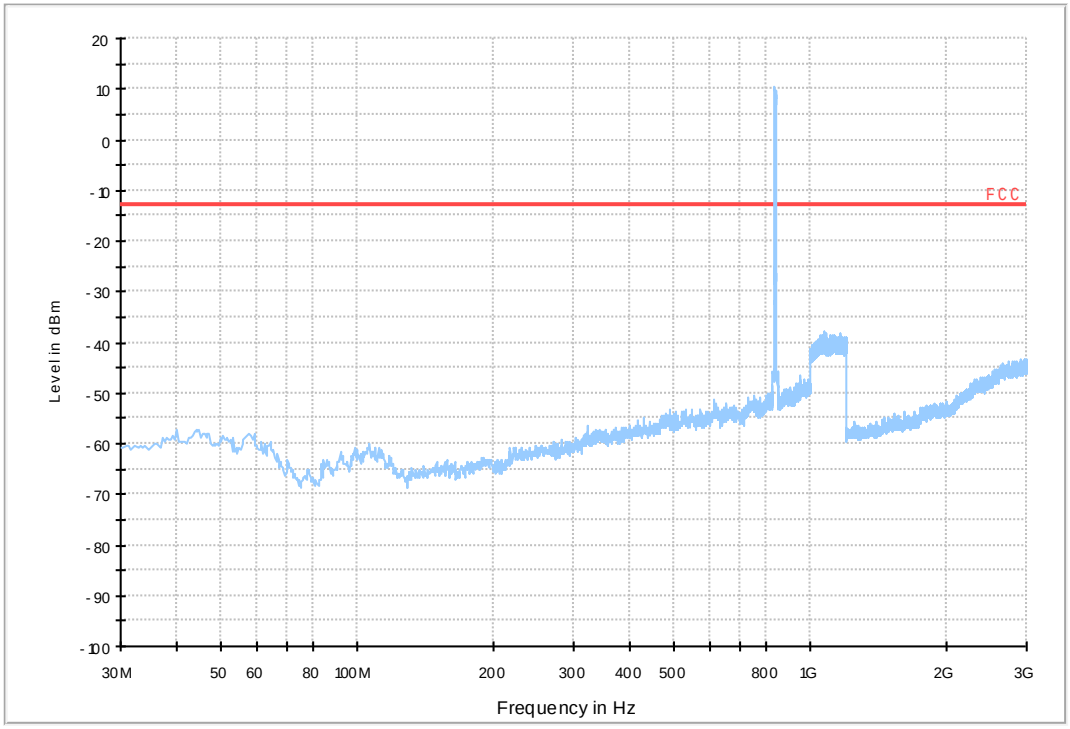
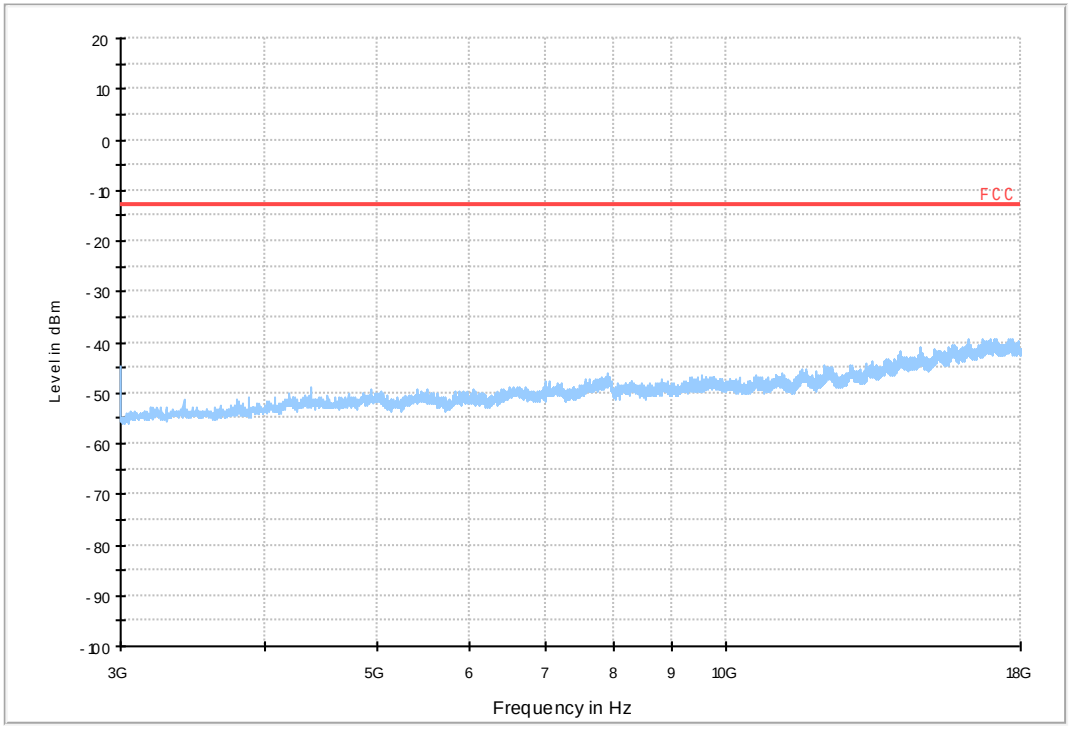
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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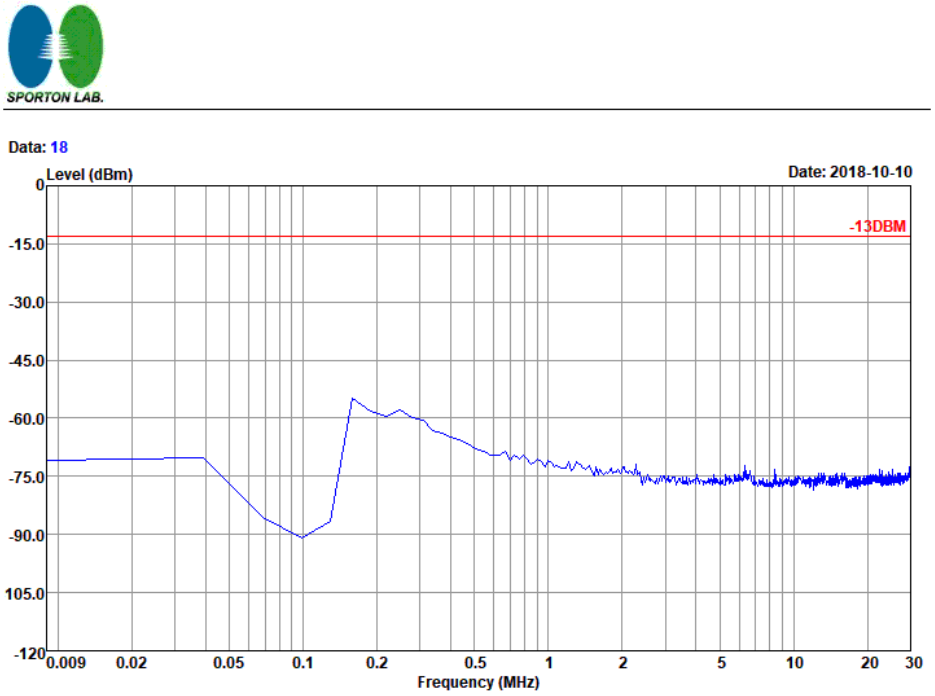
7.1.1.2 Test Bandwidth = 10



Site : 03CH01-SZ
Condition : -13DBM 9K-30M AMP NEUTRAL
: RBW:9.000KHz VBW:30.000KHz
: LTE B5 10M

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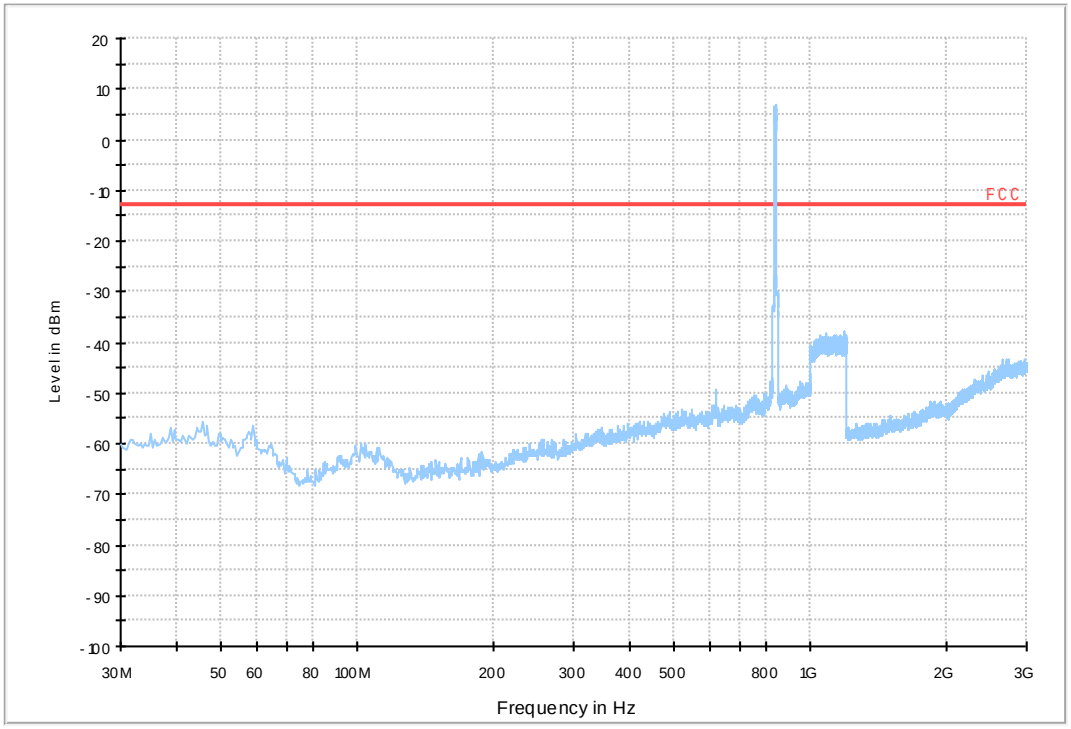
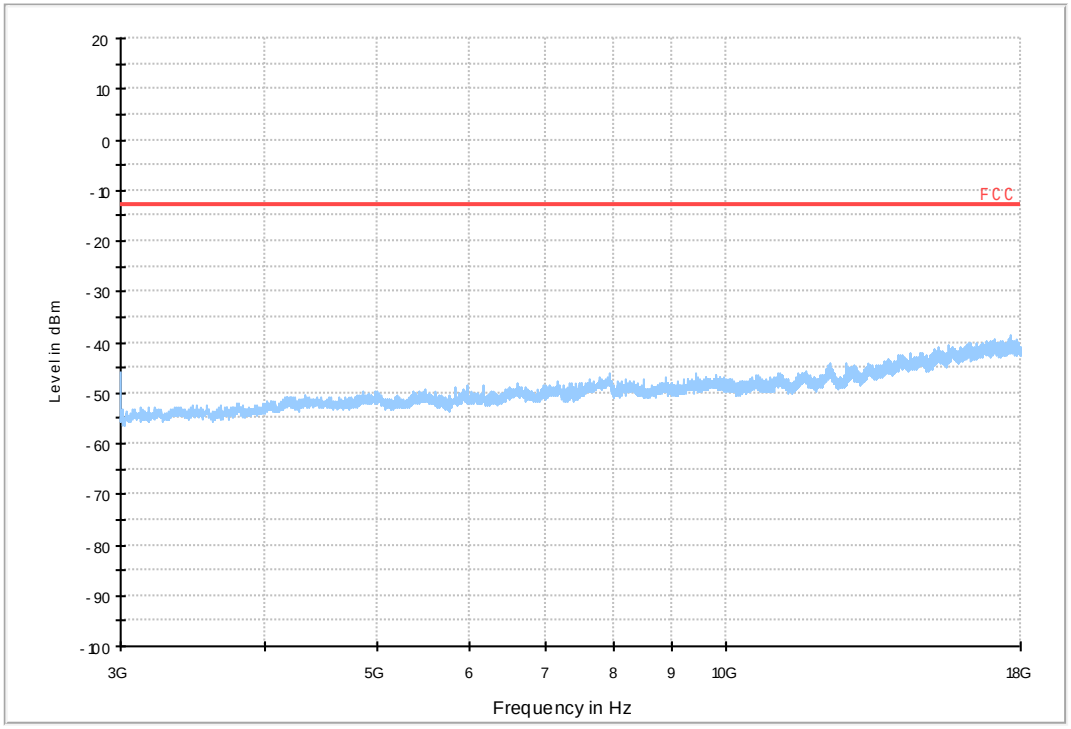
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	5	LCH	TN	VL	5.85	0.00708	PASS
					VN	-5.51	-0.00667	PASS
					VH	-4.95	-0.00599	PASS
			MCH	TN	VL	2.42	0.00289	PASS
					VN	-8.47	-0.01013	PASS
					VH	-8.47	-0.01013	PASS
			HCH	TN	VL	3.15	0.00372	PASS
					VN	-1.32	-0.00156	PASS
					VH	1.99	0.00235	PASS
		10	LCH	TN	VL	2.42	0.00292	PASS
					VN	1.70	0.00205	PASS
					VH	1.44	0.00174	PASS
			MCH	TN	VL	-3.49	-0.00417	PASS
					VN	-4.94	-0.00591	PASS
					VH	-0.73	-0.00087	PASS
			HCH	TN	VL	-3.38	-0.004	PASS
					VN	-1.72	-0.00204	PASS
					VH	-2.76	-0.00327	PASS
	LTE/TM2	5	LCH	TN	VL	-0.86	-0.00104	PASS
					VN	-2.95	-0.00357	PASS
					VH	-3.05	-0.00369	PASS
			MCH	TN	VL	-10.50	-0.01255	PASS
					VN	-3.43	-0.0041	PASS
					VH	-2.17	-0.00259	PASS
			HCH	TN	VL	-7.02	-0.00829	PASS
					VN	2.76	0.00326	PASS
					VH	-0.72	-0.00085	PASS
		10	LCH	TN	VL	2.23	0.00269	PASS
					VN	-1.03	-0.00124	PASS
					VH	-1.57	-0.00189	PASS
			MCH	TN	VL	-7.12	-0.00851	PASS
					VN	-4.65	-0.00556	PASS
					VH	-5.18	-0.00619	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	-5.52	-0.00654	PASS
					VN	-2.70	-0.0032	PASS
					VH	-3.23	-0.00383	PASS

8.1.2Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	5	LCH	VN	-30	-0.39	-0.00047	PASS
					-20	0.00	0	PASS
					-10	-0.17	-0.00021	PASS
					0	-0.93	-0.00113	PASS
					10	-0.79	-0.00096	PASS
					20	0.01	0.00001	PASS
					30	-1.54	-0.00186	PASS
					40	-2.16	-0.00261	PASS
					50	-1.26	-0.00152	PASS
			MCH	VN	-30	3.08	0.00368	PASS
					-20	-0.57	-0.00068	PASS
					-10	-0.34	-0.00041	PASS
					0	-5.69	-0.0068	PASS
					10	-8.98	-0.01074	PASS
					20	-4.18	-0.005	PASS
					30	-7.38	-0.00882	PASS
					40	-4.76	-0.00569	PASS
					50	3.48	0.00416	PASS
			HCH	VN	-30	-0.33	-0.00039	PASS
					-20	1.56	0.00184	PASS
					-10	0.59	0.0007	PASS
					0	-2.56	-0.00302	PASS
					10	0.14	0.00017	PASS
					20	1.19	0.00141	PASS
					30	1.37	0.00162	PASS
					40	0.94	0.00111	PASS
					50	-2.60	-0.00307	PASS
		10	LCH	VN	-30	-2.40	-0.0029	PASS
					-20	0.51	0.00062	PASS
					-10	-3.02	-0.00364	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-1.44	-0.00174	PASS
					10	2.39	0.00288	PASS
					20	0.87	0.00105	PASS
					30	1.47	0.00177	PASS
					40	0.40	0.00048	PASS
					50	2.82	0.0034	PASS
			MCH	VN	-30	-2.88	-0.00344	PASS
					-20	0.49	0.00059	PASS
					-10	-1.14	-0.00136	PASS
					0	0.77	0.00092	PASS
					10	-0.92	-0.0011	PASS
					20	-3.20	-0.00383	PASS
					30	-1.75	-0.00209	PASS
					40	-1.52	-0.00182	PASS
					50	-0.01	-0.00001	PASS
			HCH	VN	-30	-4.26	-0.00505	PASS
					-20	-2.86	-0.00339	PASS
					-10	-3.63	-0.0043	PASS
					0	-3.43	-0.00406	PASS
					10	-5.16	-0.00611	PASS
					20	-1.70	-0.00201	PASS
					30	-5.25	-0.00622	PASS
					40	-2.49	-0.00295	PASS
					50	-2.09	-0.00248	PASS
	LTE/TM2	5	LCH	VN	-30	0.54	0.00065	PASS
					-20	-0.07	-0.00008	PASS
					-10	0.70	0.00085	PASS
					0	1.30	0.00157	PASS
					10	-0.17	-0.00021	PASS
					20	-1.53	-0.00185	PASS
					30	1.07	0.00129	PASS
					40	0.56	0.00068	PASS
					50	0.53	0.00064	PASS
			MCH	VN	-30	3.03	0.00362	PASS
					-20	4.36	0.00521	PASS
					-10	3.68	0.0044	PASS
					0	1.24	0.00148	PASS
					10	-3.96	-0.00473	PASS
					20	4.78	0.00571	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	10.11	0.01209	PASS
					40	4.61	0.00551	PASS
					50	6.91	0.00826	PASS
			HCH	VN	-30	-0.26	-0.00031	PASS
					-20	1.37	0.00162	PASS
					-10	3.15	0.00372	PASS
					0	11.30	0.01335	PASS
					10	-2.57	-0.00304	PASS
					20	0.27	0.00032	PASS
					30	3.75	0.00443	PASS
					40	-1.69	-0.002	PASS
					50	-1.57	-0.00185	PASS
		10	LCH	VN	-30	0.54	0.00065	PASS
					-20	2.35	0.00283	PASS
					-10	2.23	0.00269	PASS
					0	-0.73	-0.00088	PASS
					10	2.09	0.00252	PASS
					20	0.47	0.00057	PASS
					30	-0.39	-0.00047	PASS
					40	1.22	0.00147	PASS
					50	-0.34	-0.00041	PASS
			MCH	VN	-30	-0.63	-0.00075	PASS
					-20	-0.62	-0.00074	PASS
					-10	0.84	0.001	PASS
					0	1.66	0.00198	PASS
					10	-0.80	-0.00096	PASS
					20	2.07	0.00247	PASS
					30	2.35	0.00281	PASS
					40	3.68	0.0044	PASS
					50	-0.01	-0.00001	PASS
			HCH	VN	-30	-5.97	-0.00707	PASS
					-20	-2.19	-0.00259	PASS
					-10	-2.82	-0.00334	PASS
					0	-1.52	-0.0018	PASS
					10	-3.65	-0.00432	PASS
					20	3.40	0.00403	PASS
					30	-5.22	-0.00618	PASS
					40	-1.96	-0.00232	PASS
					50	-2.40	-0.00284	PASS

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END

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