



Appendix for test report

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	1.4	LCH	RB1#0	23	22.2	38.5	PASS
				RB1#3	23.18	22.38	38.5	PASS
				RB1#5	23.08	22.28	38.5	PASS
				RB3#0	23.06	22.26	38.5	PASS
				RB3#2	23.11	22.31	38.5	PASS
				RB3#3	23.08	22.28	38.5	PASS
				RB6#0	22.61	21.81	38.5	PASS
			MCH	RB1#0	23.26	22.46	38.5	PASS
				RB1#3	23.25	22.45	38.5	PASS
				RB1#5	23.11	22.31	38.5	PASS
				RB3#0	23.21	22.41	38.5	PASS
				RB3#2	23.18	22.38	38.5	PASS
				RB3#3	23.11	22.31	38.5	PASS
				RB6#0	22.68	21.88	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.14	22.34	38.5	PASS
				RB1#3	23.18	22.38	38.5	PASS
				RB1#5	23.07	22.27	38.5	PASS
				RB3#0	23.19	22.39	38.5	PASS
				RB3#2	23.14	22.34	38.5	PASS
				RB3#3	23.11	22.31	38.5	PASS
				RB6#0	22.57	21.77	38.5	PASS
		3	LCH	RB1#0	22.82	22.02	38.5	PASS
				RB1#7	23.22	22.42	38.5	PASS
				RB1#14	22.88	22.08	38.5	PASS
				RB8#0	22.59	21.79	38.5	PASS
				RB8#4	22.68	21.88	38.5	PASS
				RB8#7	22.56	21.76	38.5	PASS
				RB15#0	22.6	21.8	38.5	PASS
			MCH	RB1#0	23.09	22.29	38.5	PASS
				RB1#7	23.3	22.5	38.5	PASS
				RB1#14	22.92	22.12	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	22.64	21.84	38.5	PASS
				RB8#4	22.66	21.86	38.5	PASS
				RB8#7	22.59	21.79	38.5	PASS
				RB15#0	22.62	21.82	38.5	PASS
			HCH	RB1#0	23.16	22.36	38.5	PASS
				RB1#7	23.33	22.53	38.5	PASS
				RB1#14	22.89	22.09	38.5	PASS
				RB8#0	22.66	21.86	38.5	PASS
				RB8#4	22.66	21.86	38.5	PASS
				RB8#7	22.52	21.72	38.5	PASS
				RB15#0	22.6	21.8	38.5	PASS
		5	LCH	RB1#0	22.87	22.07	38.5	PASS
				RB1#13	23.26	22.46	38.5	PASS
				RB1#24	22.81	22.01	38.5	PASS
				RB12#0	22.56	21.76	38.5	PASS
				RB12#6	22.68	21.88	38.5	PASS
				RB12#13	22.47	21.67	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.57	21.77	38.5	PASS
			MCH	RB1#0	22.9	22.1	38.5	PASS
				RB1#13	23.16	22.36	38.5	PASS
				RB1#24	22.77	21.97	38.5	PASS
				RB12#0	22.64	21.84	38.5	PASS
				RB12#6	22.7	21.9	38.5	PASS
				RB12#13	22.51	21.71	38.5	PASS
				RB25#0	22.55	21.75	38.5	PASS
			HCH	RB1#0	22.92	22.12	38.5	PASS
				RB1#13	23.28	22.48	38.5	PASS
				RB1#24	22.72	21.92	38.5	PASS
				RB12#0	22.61	21.81	38.5	PASS
				RB12#6	22.7	21.9	38.5	PASS
				RB12#13	22.47	21.67	38.5	PASS
				RB25#0	22.49	21.69	38.5	PASS
		10	LCH	RB1#0	22.57	21.77	38.5	PASS
				RB1#25	23.15	22.35	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.52	21.72	38.5	PASS
				RB25#0	22.36	21.56	38.5	PASS
				RB25#13	22.56	21.76	38.5	PASS
				RB25#25	22.36	21.56	38.5	PASS
				RB50#0	22.45	21.65	38.5	PASS
			MCH	RB1#0	22.73	21.93	38.5	PASS
				RB1#25	23.23	22.43	38.5	PASS
				RB1#49	22.67	21.87	38.5	PASS
				RB25#0	22.47	21.67	38.5	PASS
				RB25#13	22.55	21.75	38.5	PASS
				RB25#25	22.33	21.53	38.5	PASS
				RB50#0	22.43	21.63	38.5	PASS
			HCH	RB1#0	22.72	21.92	38.5	PASS
				RB1#25	23.19	22.39	38.5	PASS
				RB1#49	22.56	21.76	38.5	PASS
				RB25#0	22.44	21.64	38.5	PASS
				RB25#13	22.53	21.73	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.31	21.51	38.5	PASS
				RB50#0	22.37	21.57	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.75	21.95	38.5	PASS
				RB1#3	22.68	21.88	38.5	PASS
				RB1#5	22.6	21.8	38.5	PASS
				RB3#0	22.63	21.83	38.5	PASS
				RB3#2	22.67	21.87	38.5	PASS
				RB3#3	22.66	21.86	38.5	PASS
				RB6#0	22.08	21.28	38.5	PASS
			MCH	RB1#0	22.82	22.02	38.5	PASS
				RB1#3	22.82	22.02	38.5	PASS
				RB1#5	22.59	21.79	38.5	PASS
				RB3#0	22.8	22	38.5	PASS
				RB3#2	22.76	21.96	38.5	PASS
				RB3#3	22.7	21.9	38.5	PASS
				RB6#0	22.16	21.36	38.5	PASS
			HCH	RB1#0	22.74	21.94	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#3	22.74	21.94	38.5	PASS
				RB1#5	22.67	21.87	38.5	PASS
				RB3#0	22.71	21.91	38.5	PASS
				RB3#2	22.64	21.84	38.5	PASS
				RB3#3	22.65	21.85	38.5	PASS
				RB6#0	22.16	21.36	38.5	PASS
		3	LCH	RB1#0	22.62	21.82	38.5	PASS
				RB1#7	22.68	21.88	38.5	PASS
				RB1#14	22.25	21.45	38.5	PASS
				RB8#0	22.04	21.24	38.5	PASS
				RB8#4	22.15	21.35	38.5	PASS
				RB8#7	22.04	21.24	38.5	PASS
				RB15#0	22.06	21.26	38.5	PASS
			MCH	RB1#0	22.35	21.55	38.5	PASS
				RB1#7	22.56	21.76	38.5	PASS
				RB1#14	22.22	21.42	38.5	PASS
				RB8#0	22.08	21.28	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#4	22.12	21.32	38.5	PASS
				RB8#7	22.03	21.23	38.5	PASS
				RB15#0	22.07	21.27	38.5	PASS
			HCH	RB1#0	22.65	21.85	38.5	PASS
				RB1#7	22.88	22.08	38.5	PASS
				RB1#14	22.43	21.63	38.5	PASS
				RB8#0	22.17	21.37	38.5	PASS
				RB8#4	22.24	21.44	38.5	PASS
				RB8#7	22.11	21.31	38.5	PASS
				RB15#0	22.13	21.33	38.5	PASS
		5	LCH	RB1#0	22.44	21.64	38.5	PASS
				RB1#13	22.85	22.05	38.5	PASS
				RB1#24	22.4	21.6	38.5	PASS
				RB12#0	22.13	21.33	38.5	PASS
				RB12#6	22.18	21.38	38.5	PASS
				RB12#13	21.98	21.18	38.5	PASS
				RB25#0	22.04	21.24	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.59	21.79	38.5	PASS
				RB1#13	22.85	22.05	38.5	PASS
				RB1#24	22.43	21.63	38.5	PASS
				RB12#0	22.14	21.34	38.5	PASS
				RB12#6	22.2	21.4	38.5	PASS
				RB12#13	21.99	21.19	38.5	PASS
				RB25#0	22.01	21.21	38.5	PASS
			HCH	RB1#0	22.62	21.82	38.5	PASS
				RB1#13	23.1	22.3	38.5	PASS
				RB1#24	22.44	21.64	38.5	PASS
				RB12#0	22.11	21.31	38.5	PASS
				RB12#6	22.2	21.4	38.5	PASS
				RB12#13	21.97	21.17	38.5	PASS
				RB25#0	21.96	21.16	38.5	PASS
		10	LCH	RB1#0	22.21	21.41	38.5	PASS
				RB1#25	22.83	22.03	38.5	PASS
				RB1#49	22.17	21.37	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.88	21.08	38.5	PASS
				RB25#13	22.02	21.22	38.5	PASS
				RB25#25	21.83	21.03	38.5	PASS
				RB50#0	21.9	21.1	38.5	PASS
			MCH	RB1#0	22.2	21.4	38.5	PASS
				RB1#25	22.69	21.89	38.5	PASS
				RB1#49	22.05	21.25	38.5	PASS
				RB25#0	21.94	21.14	38.5	PASS
				RB25#13	22.03	21.23	38.5	PASS
				RB25#25	21.8	21	38.5	PASS
				RB50#0	21.85	21.05	38.5	PASS
			HCH	RB1#0	22.22	21.42	38.5	PASS
				RB1#25	22.76	21.96	38.5	PASS
				RB1#49	22.11	21.31	38.5	PASS
				RB25#0	21.88	21.08	38.5	PASS
				RB25#13	21.99	21.19	38.5	PASS
				RB25#25	21.76	20.96	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.8	21	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,

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

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

b, SGP=Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

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

$$\text{SET VBW} \geq 3 * \text{RBW}$$

SET Sweep time=auto-couple.

Detector:RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Void

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

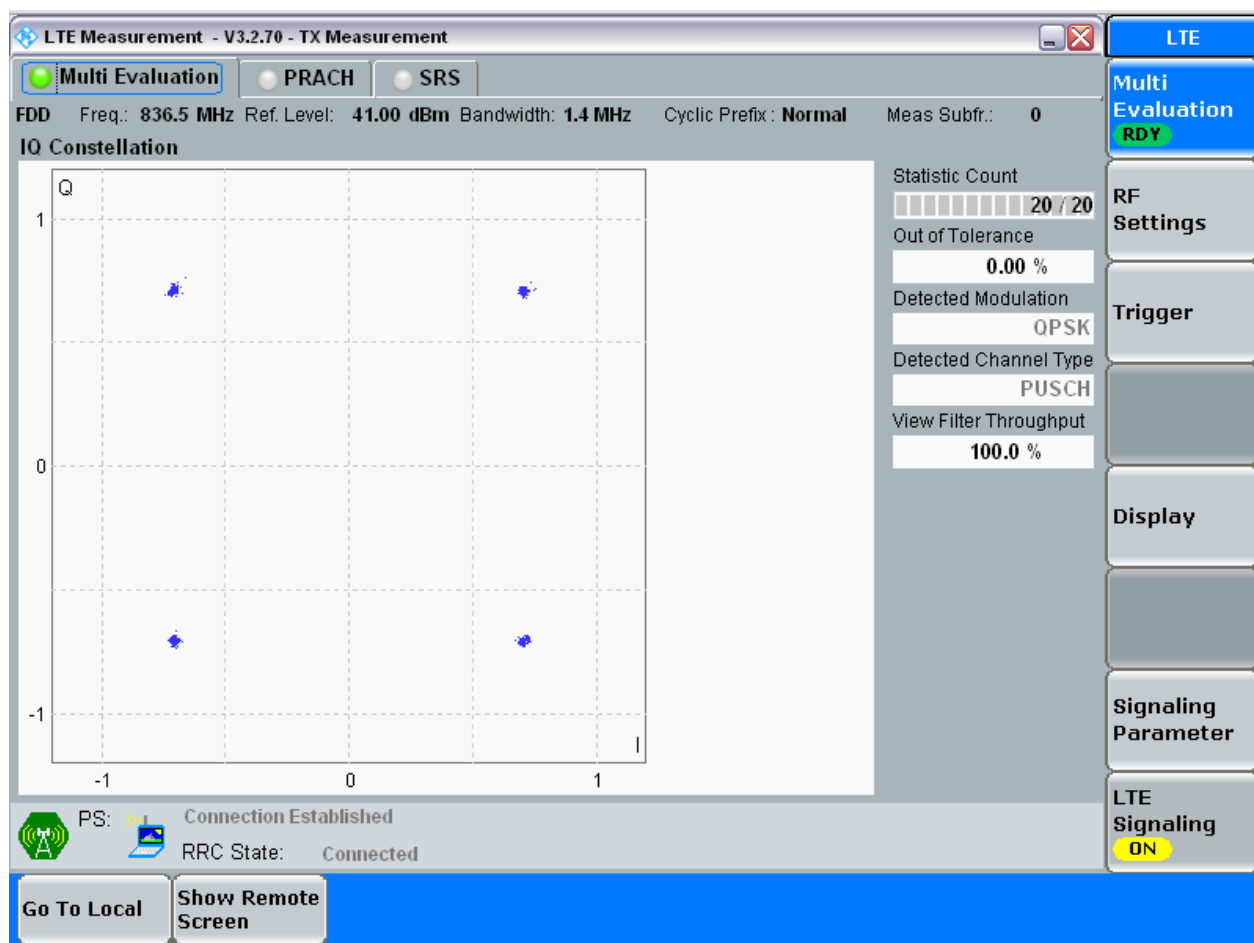
3.1.1 Test Band = BAND5

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

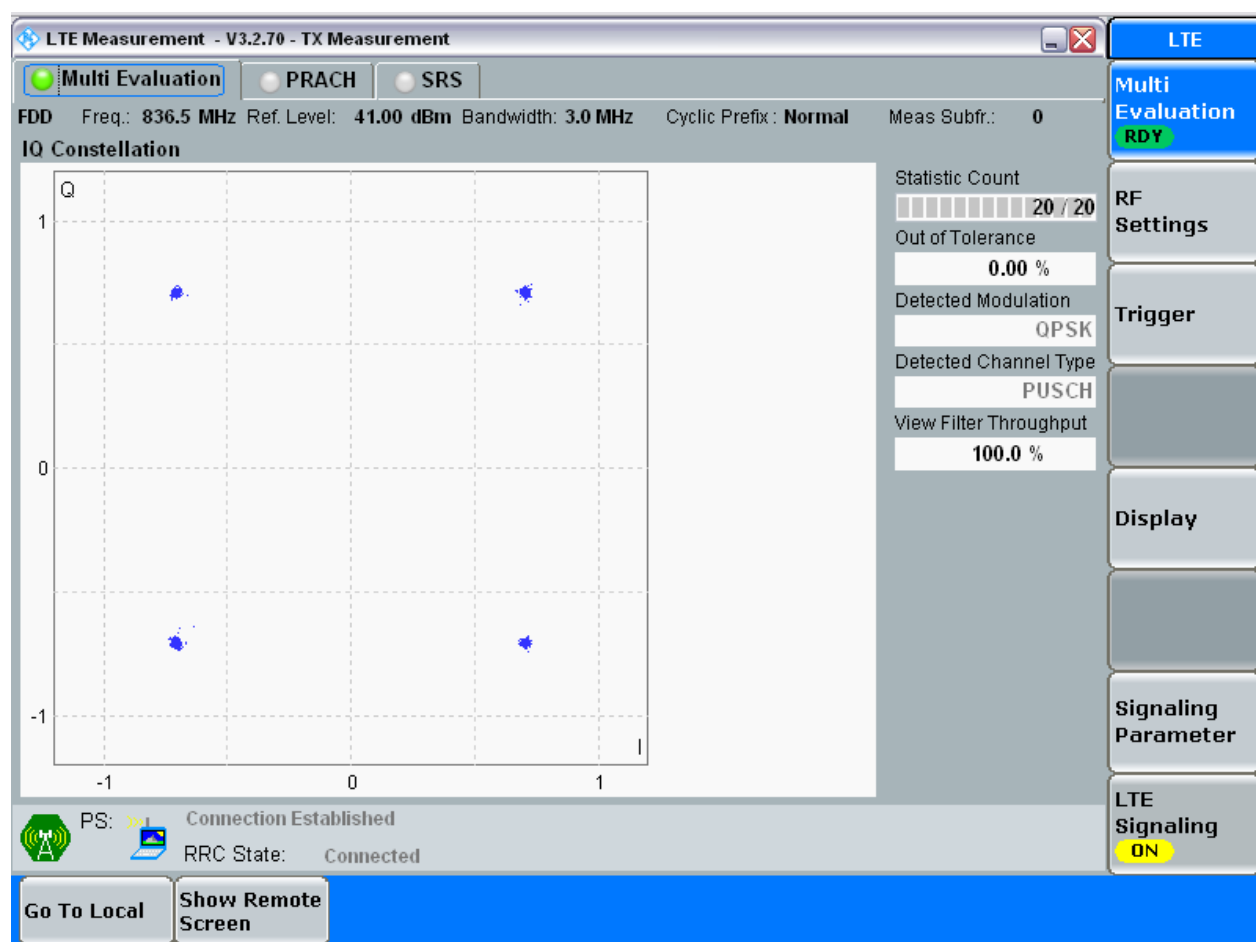
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

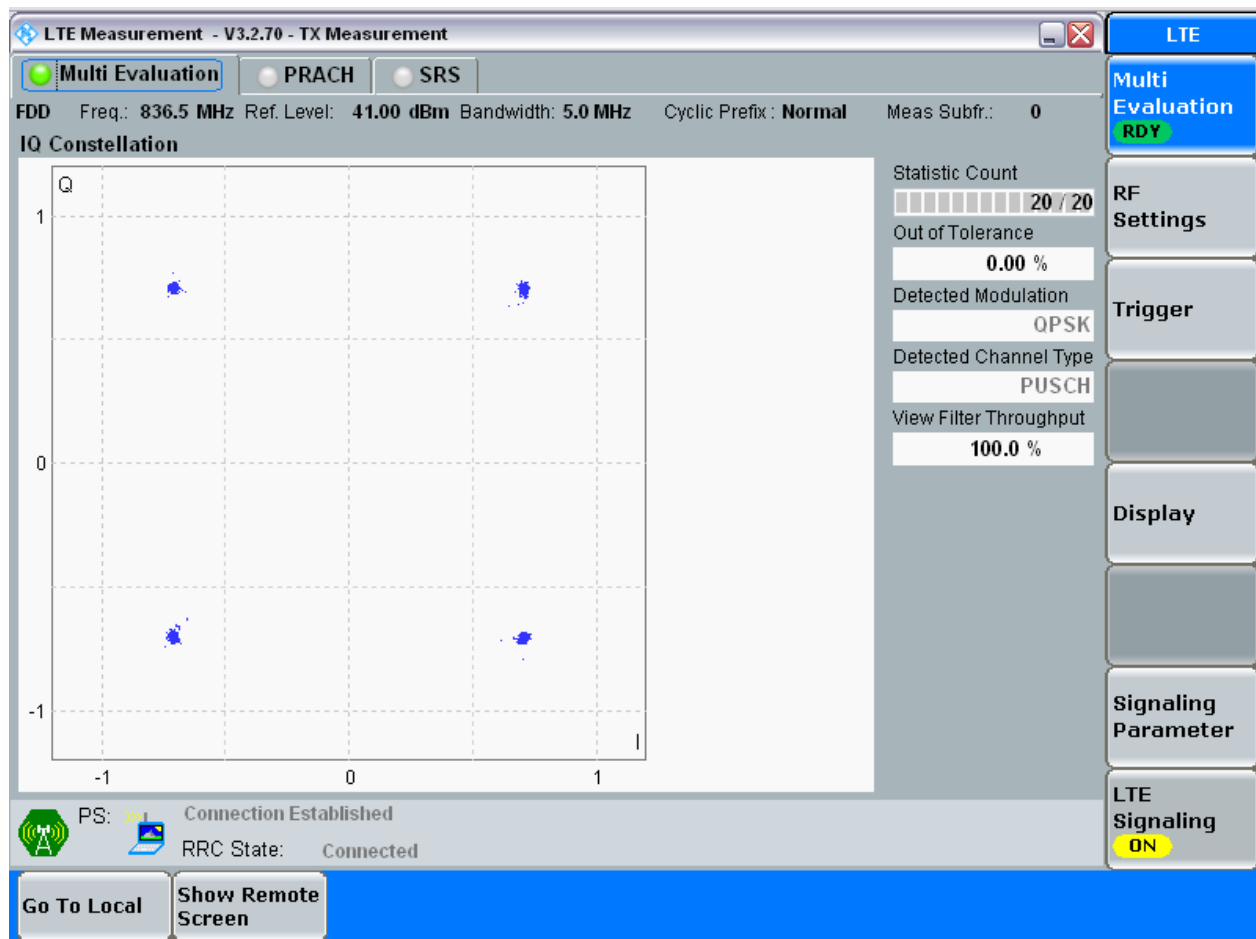
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

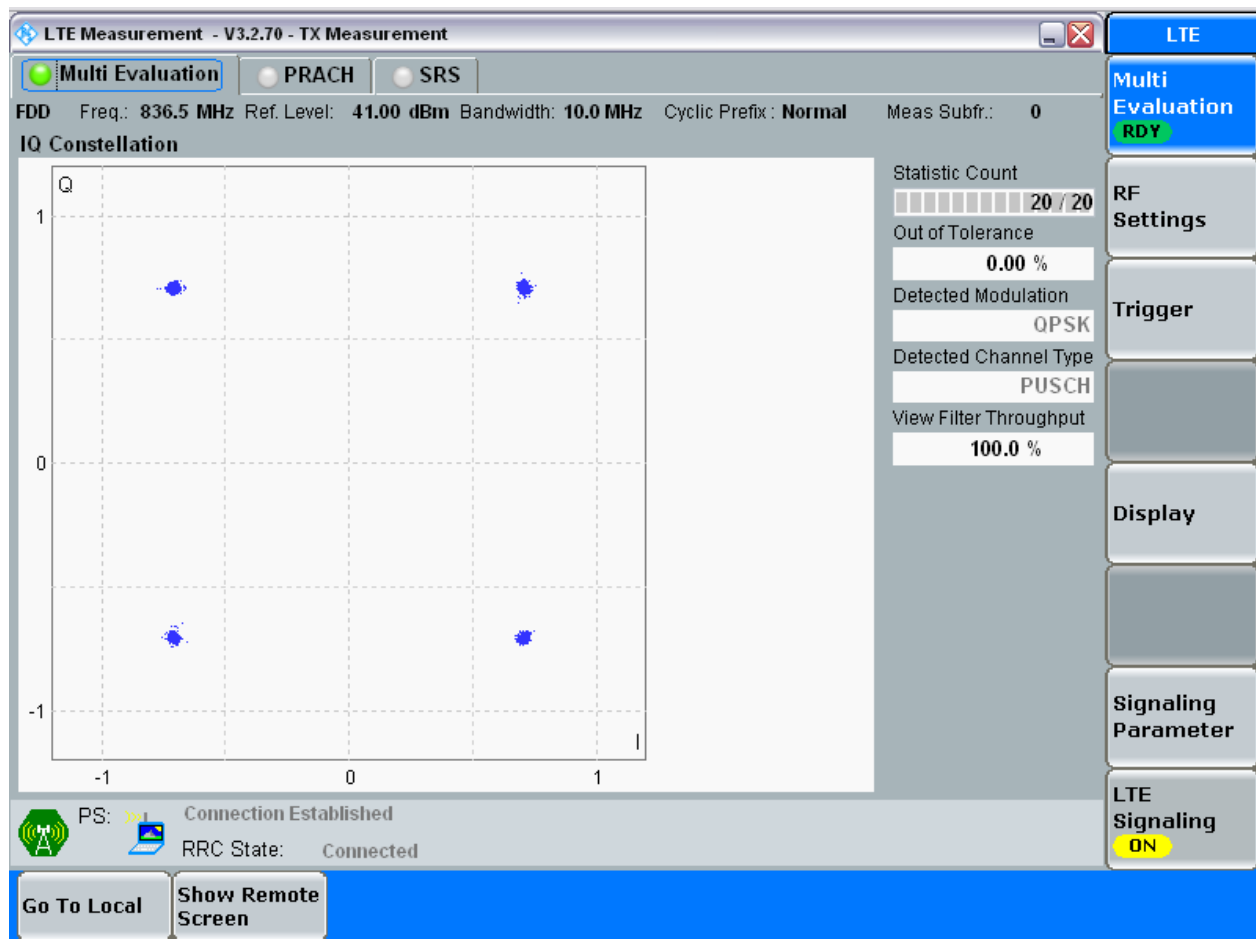
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0

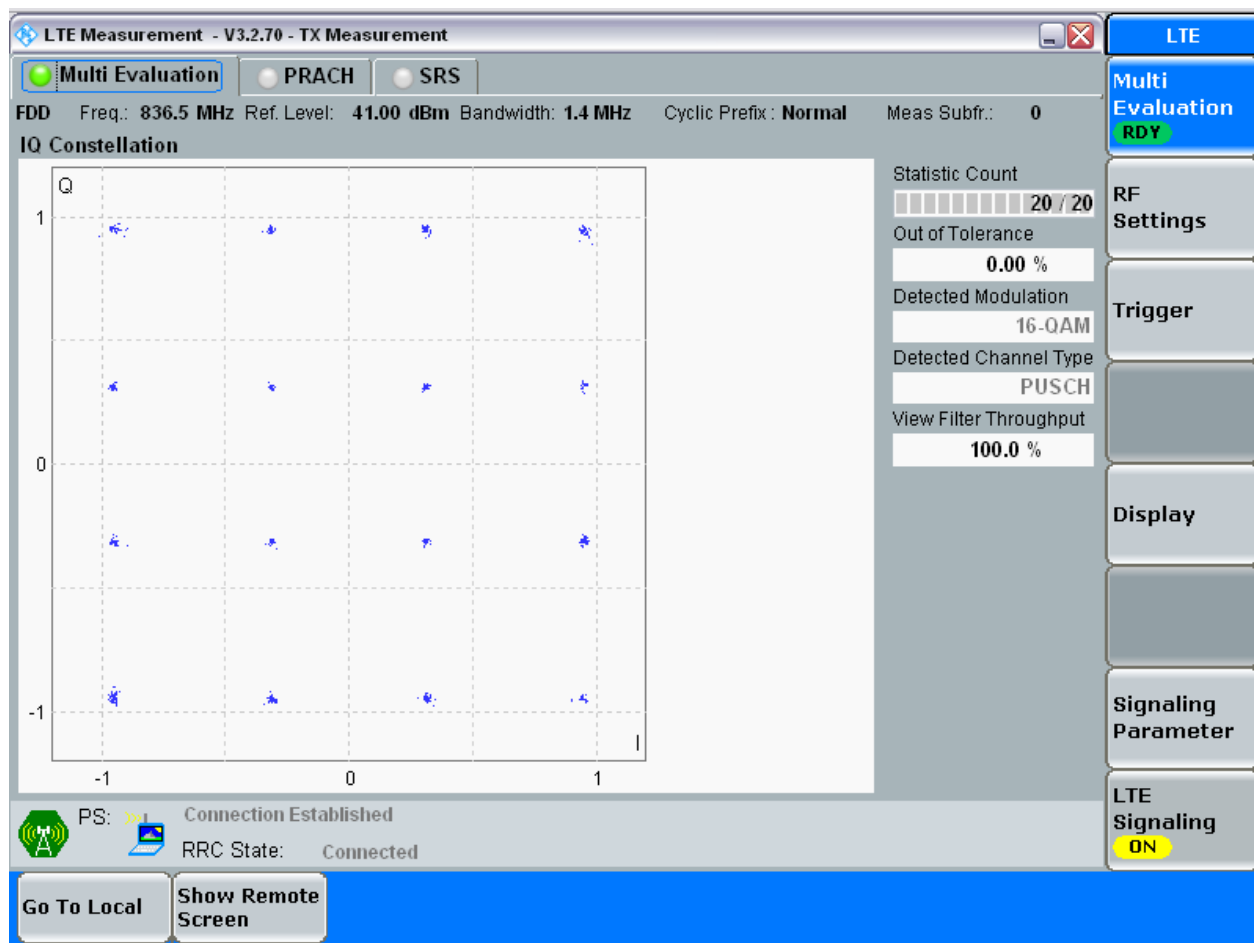


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

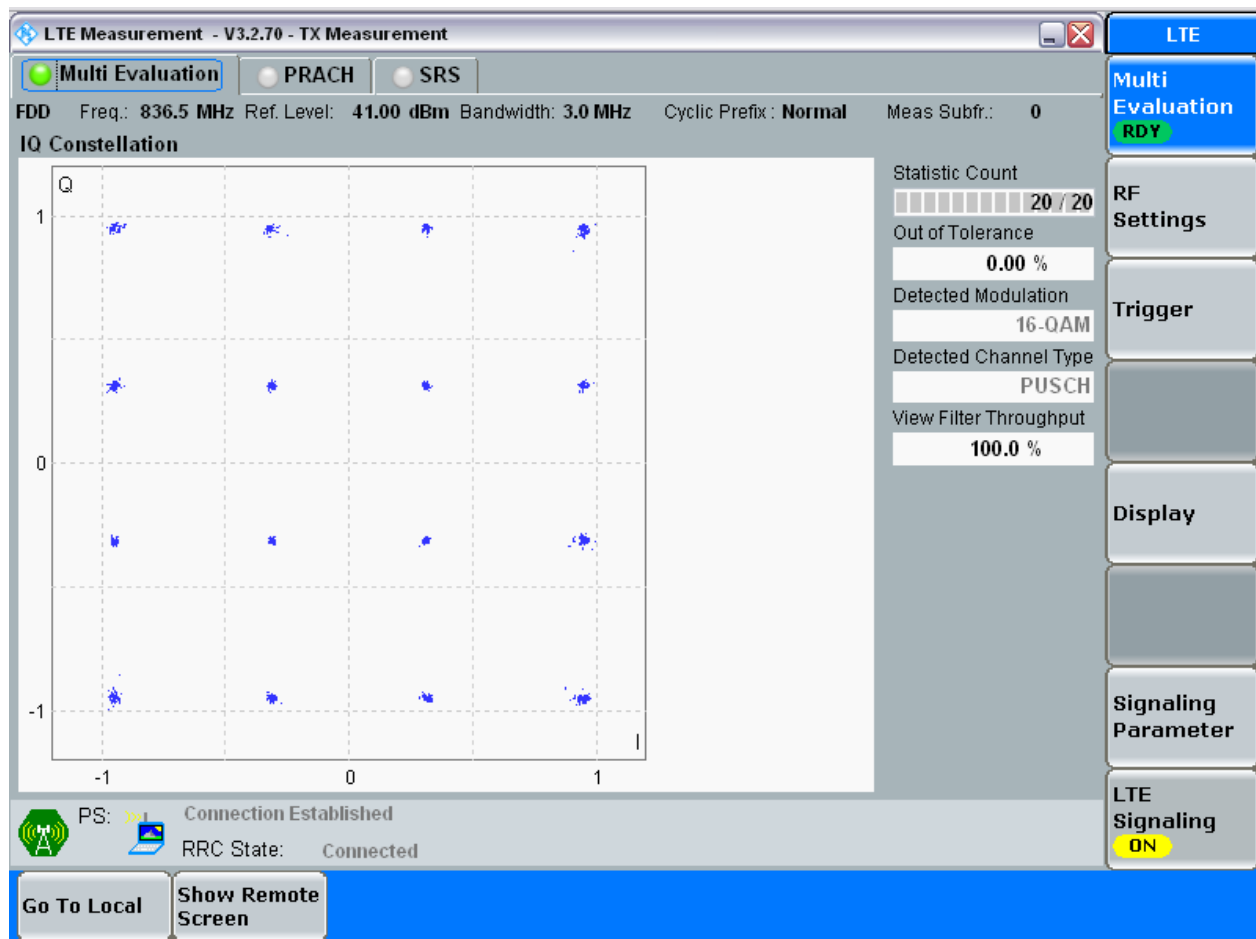
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

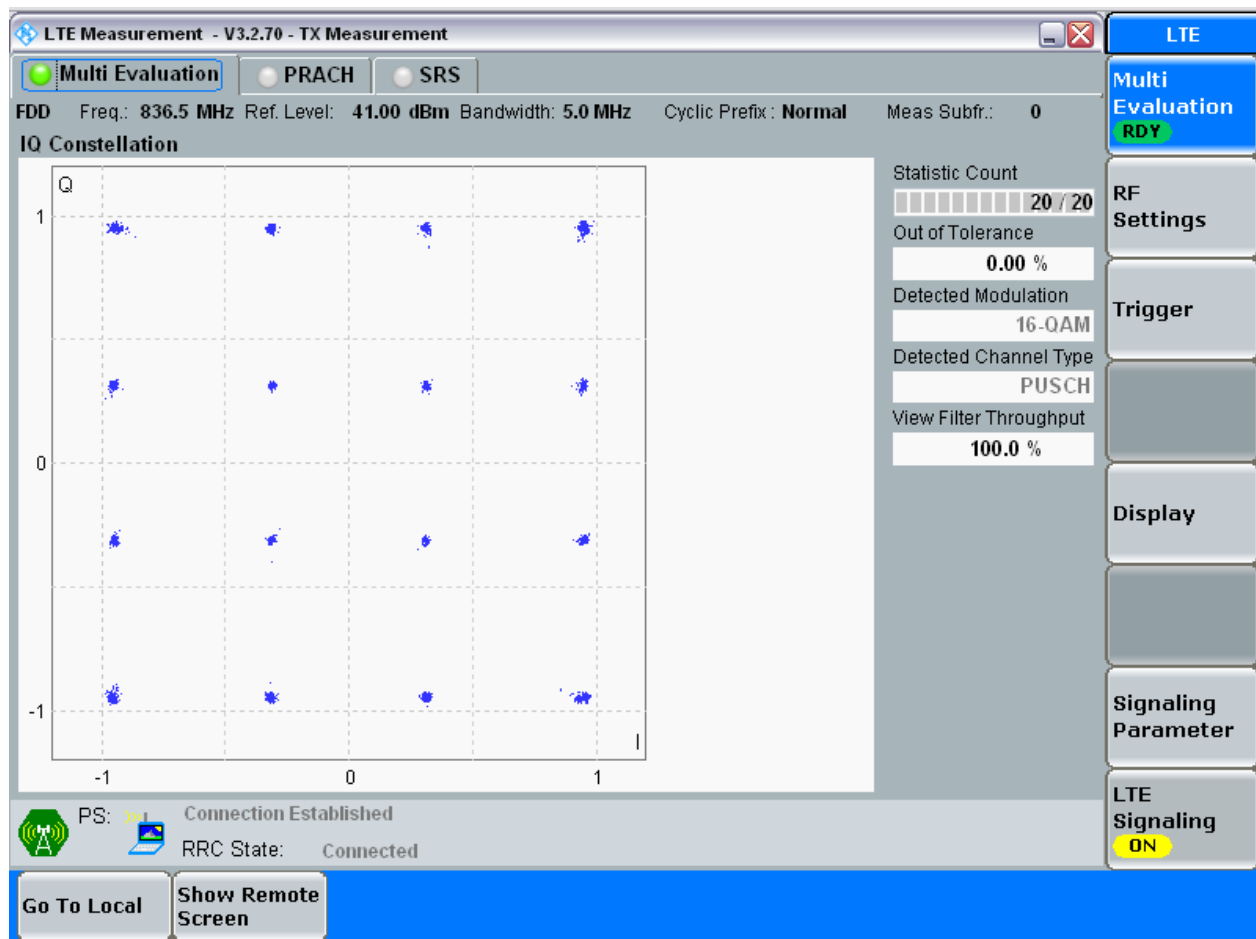
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

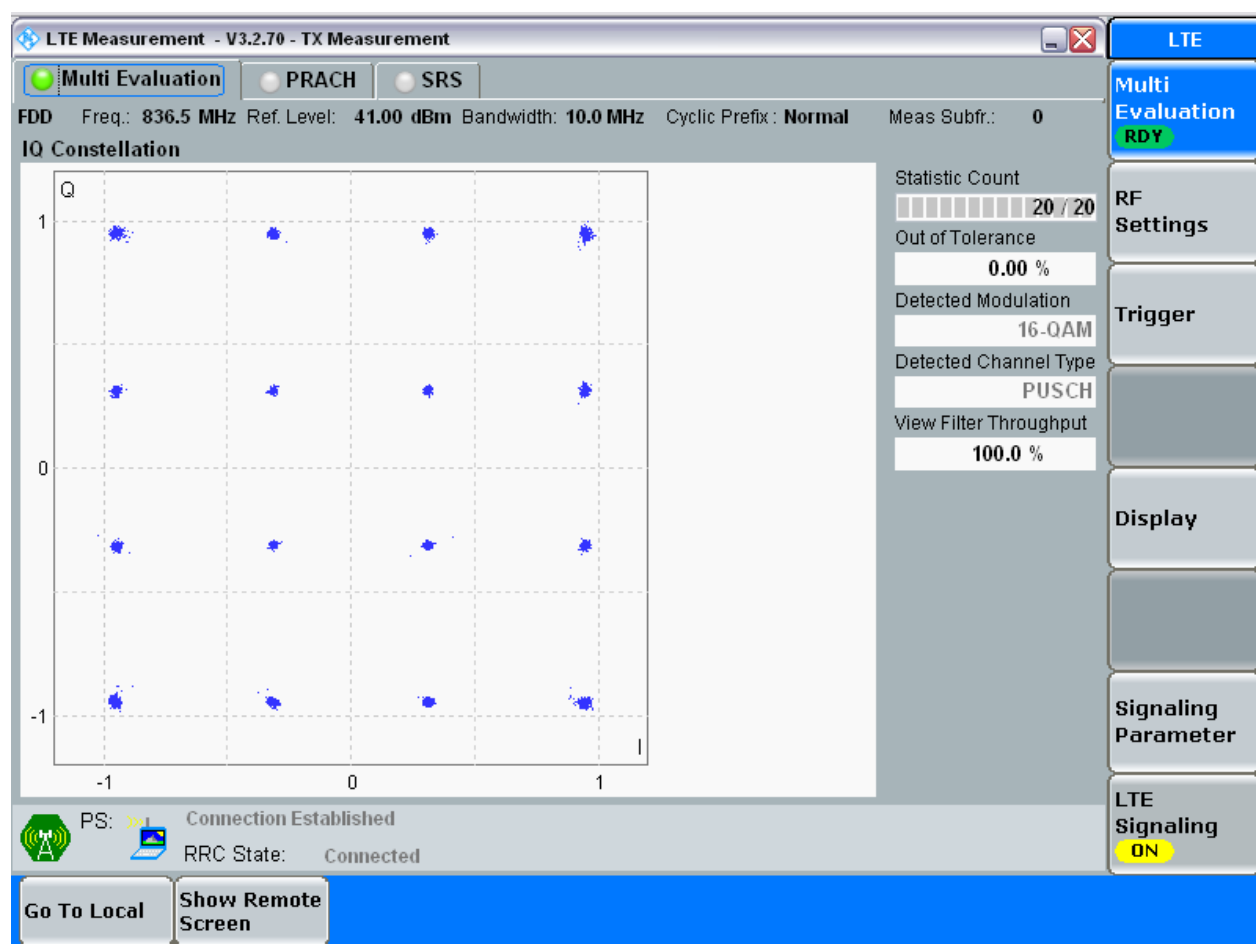
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0



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	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.50	4.87	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.49	4.86	Pass
		10	LCH	RB50#0	8.98	9.58	Pass
			MCH	RB50#0	8.98	9.63	Pass
			HCH	RB50#0	8.98	9.61	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.09	1.22	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.95	Pass
		5	LCH	RB25#0	4.49	4.86	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.50	4.84	Pass
		10	LCH	RB50#0	8.97	9.63	Pass
			MCH	RB50#0	8.99	9.63	Pass
			HCH	RB50#0	8.98	9.63	Pass



Part II - Test Plots

4.1 For LTE

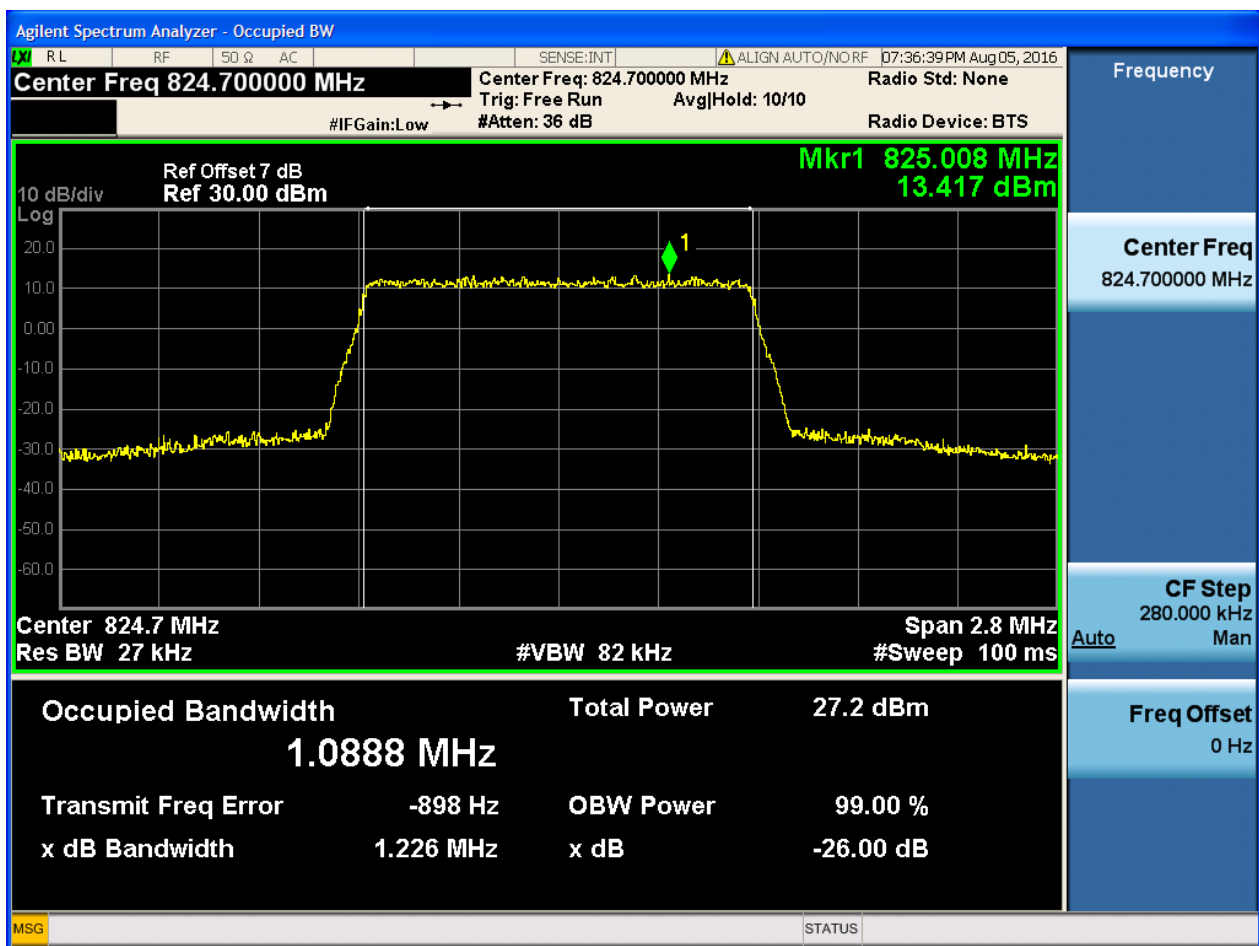
4.1.1 Test Band = BAND5

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

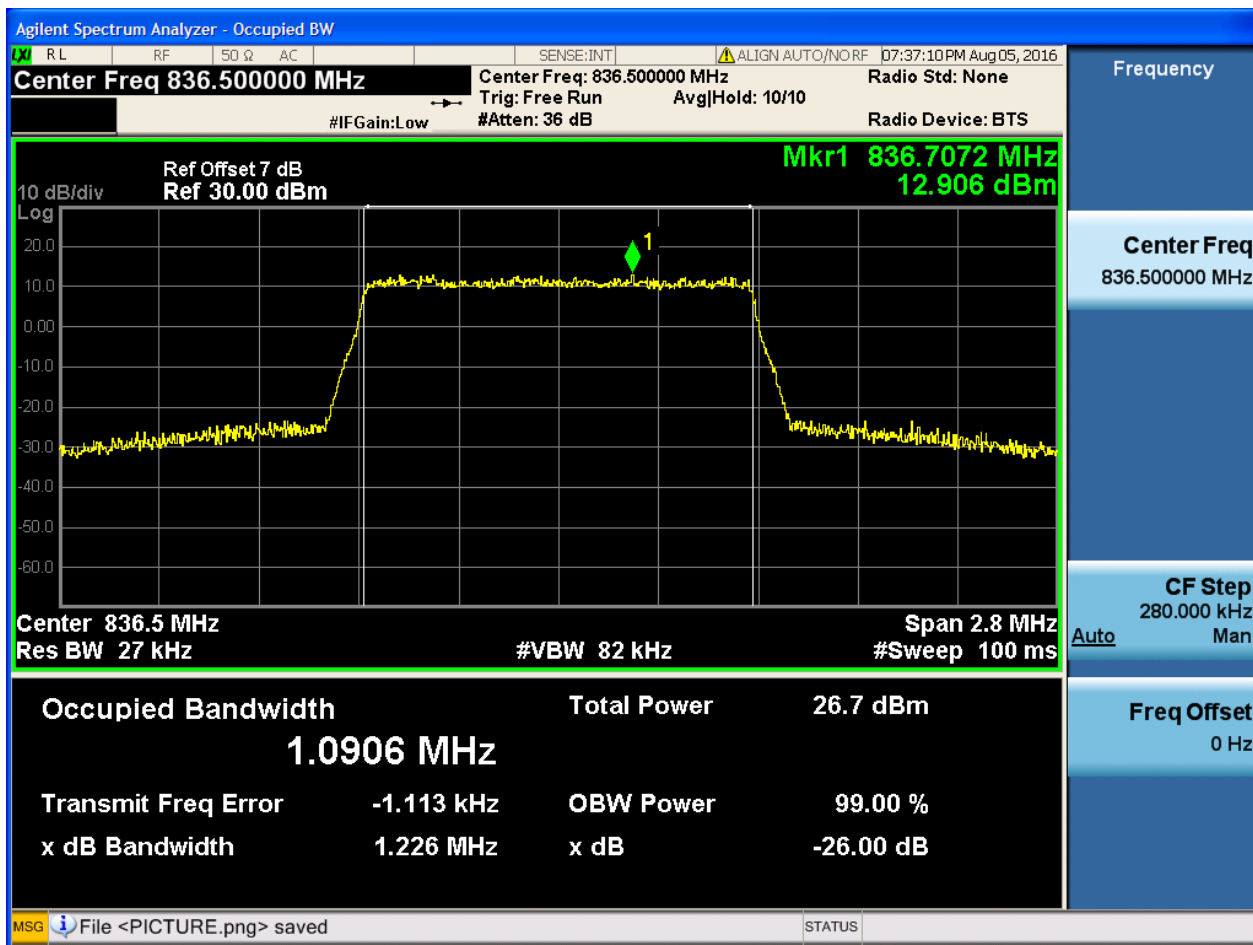
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

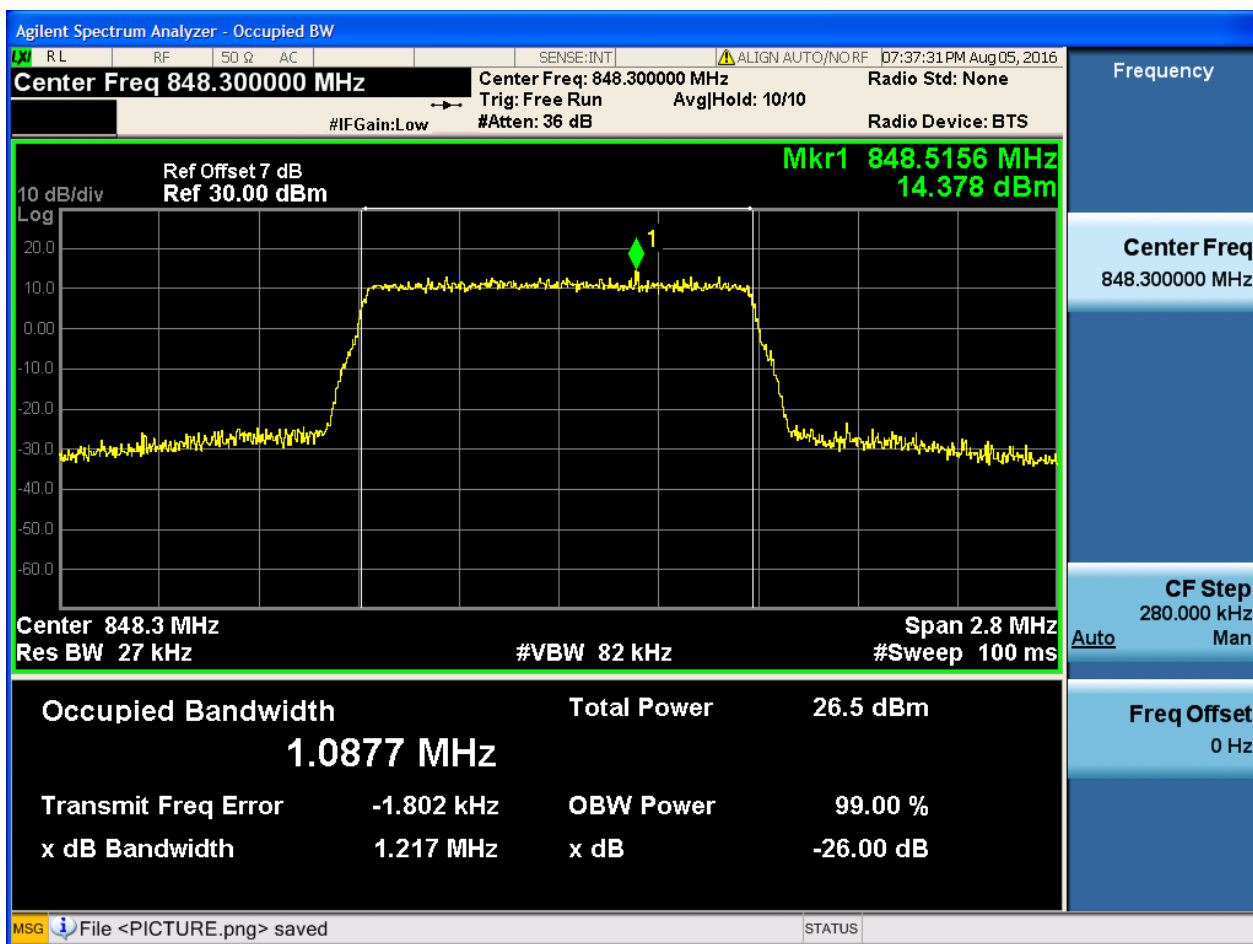
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

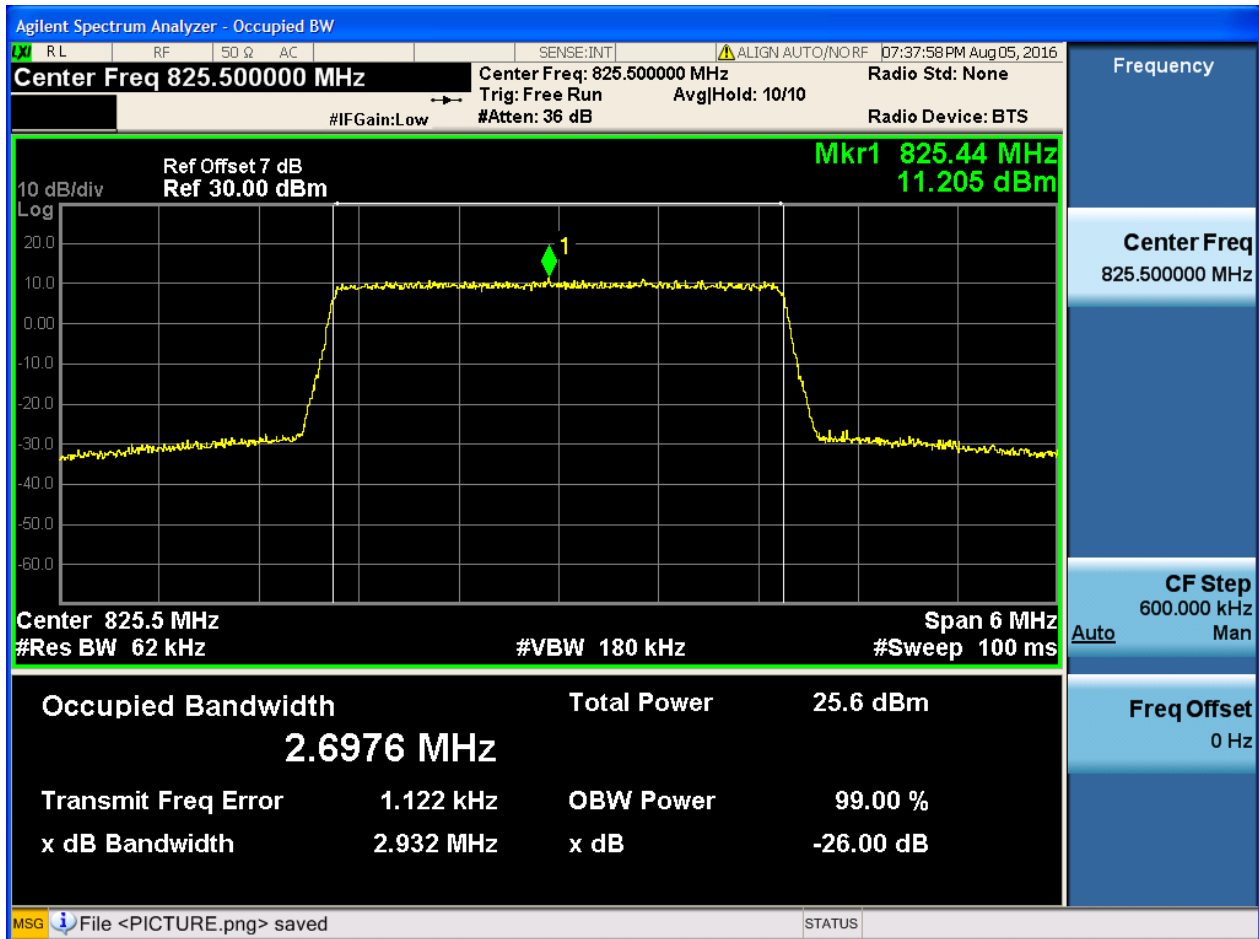




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

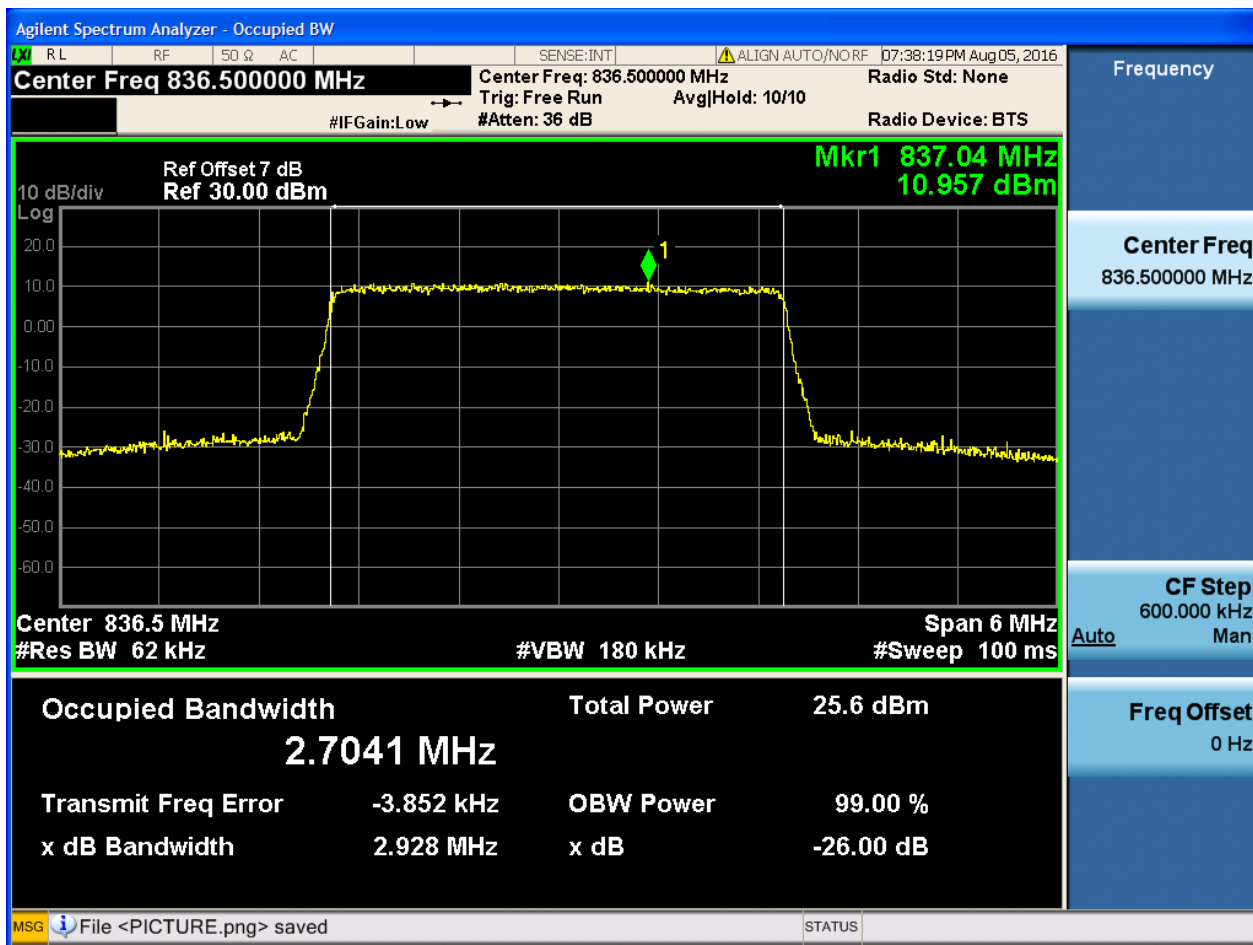
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

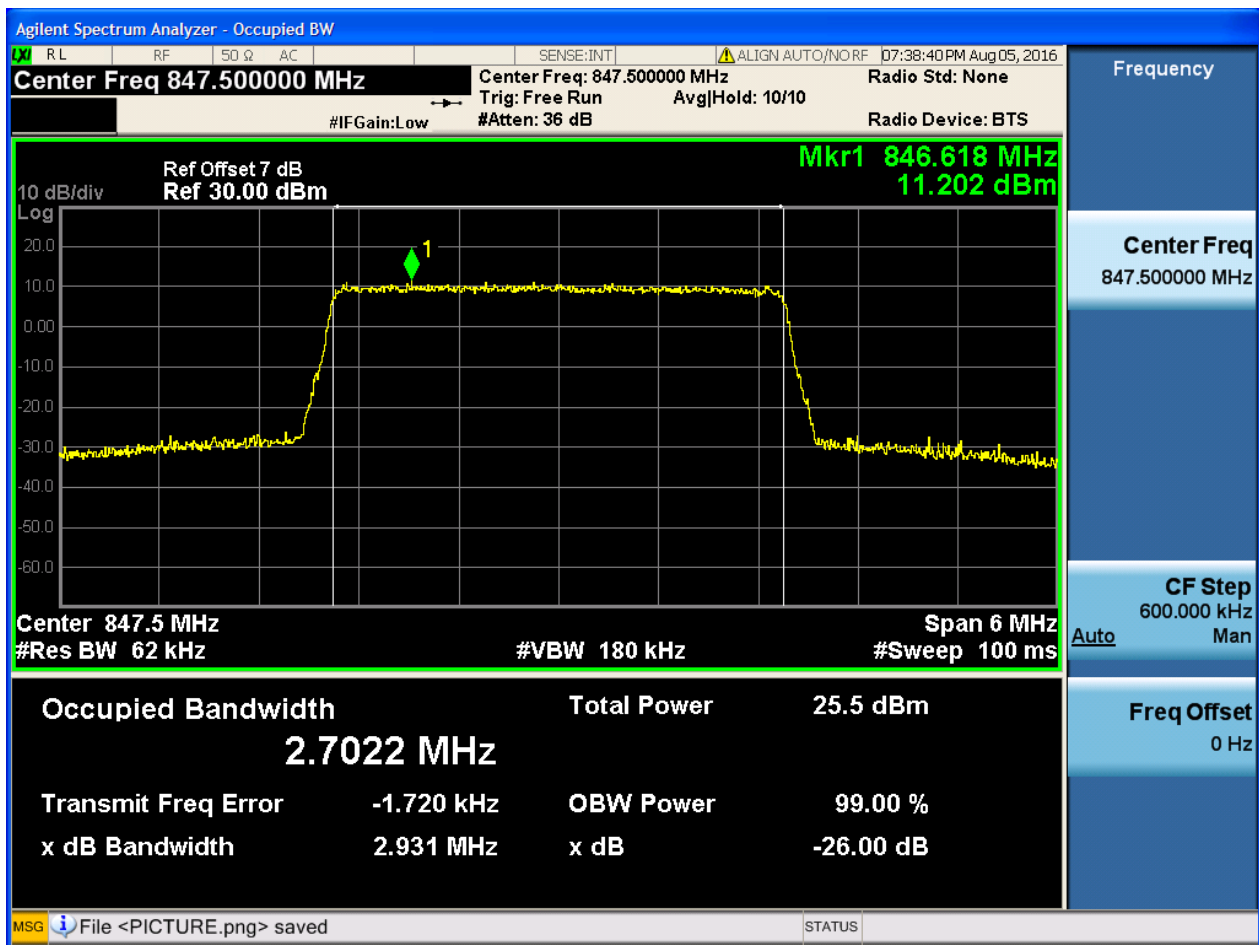
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

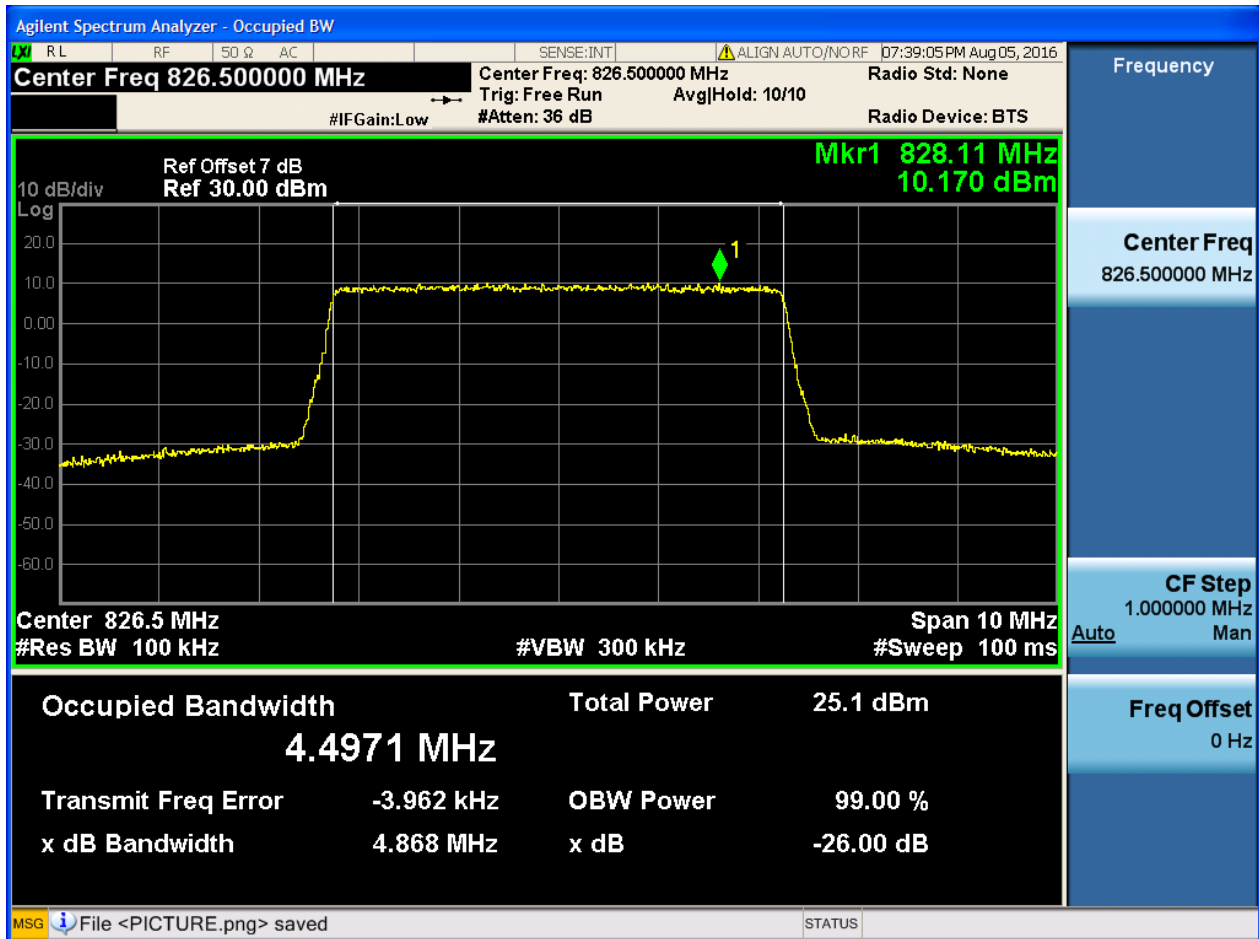




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

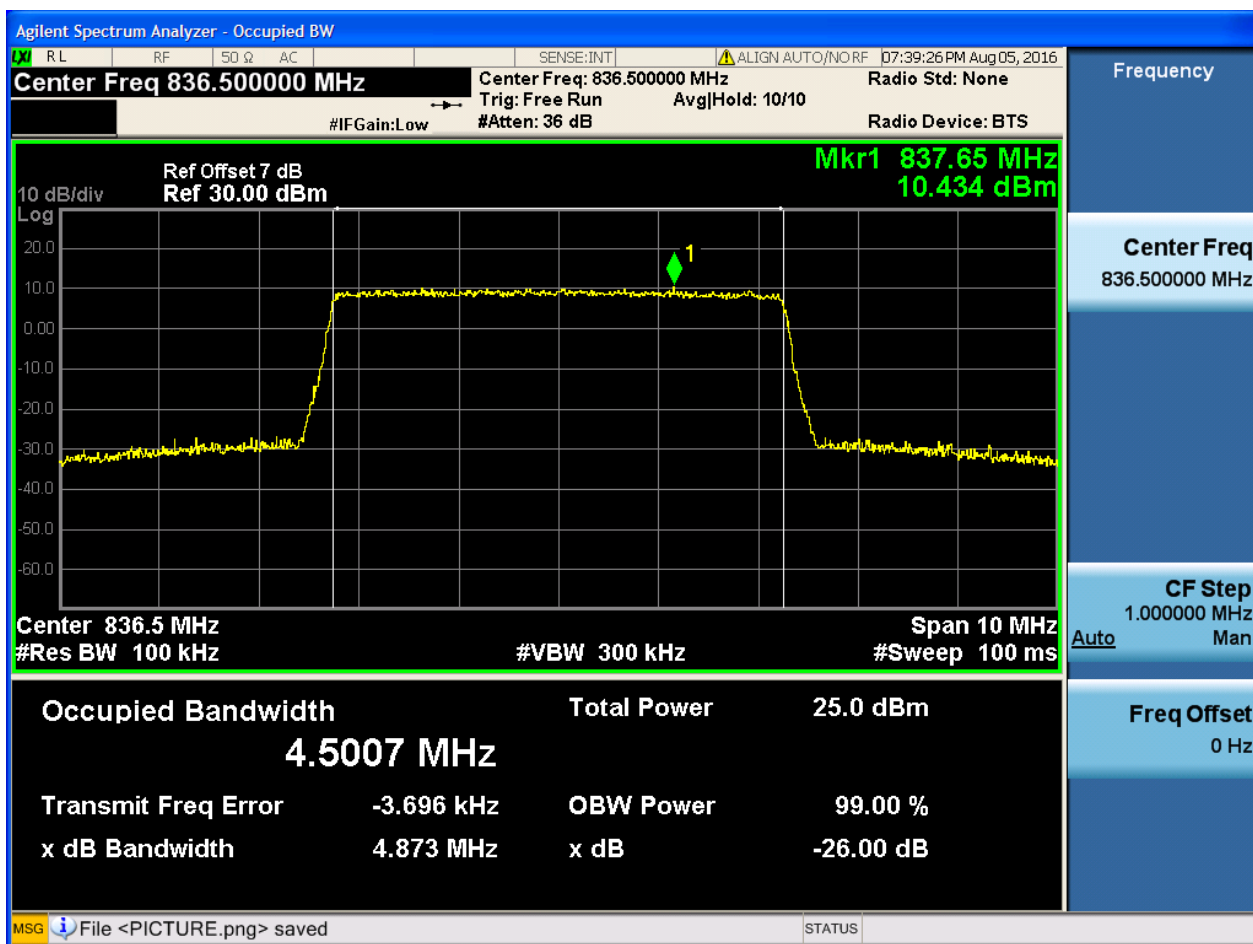
4.1.1.1.3.1.1 Test RB = RB25#0





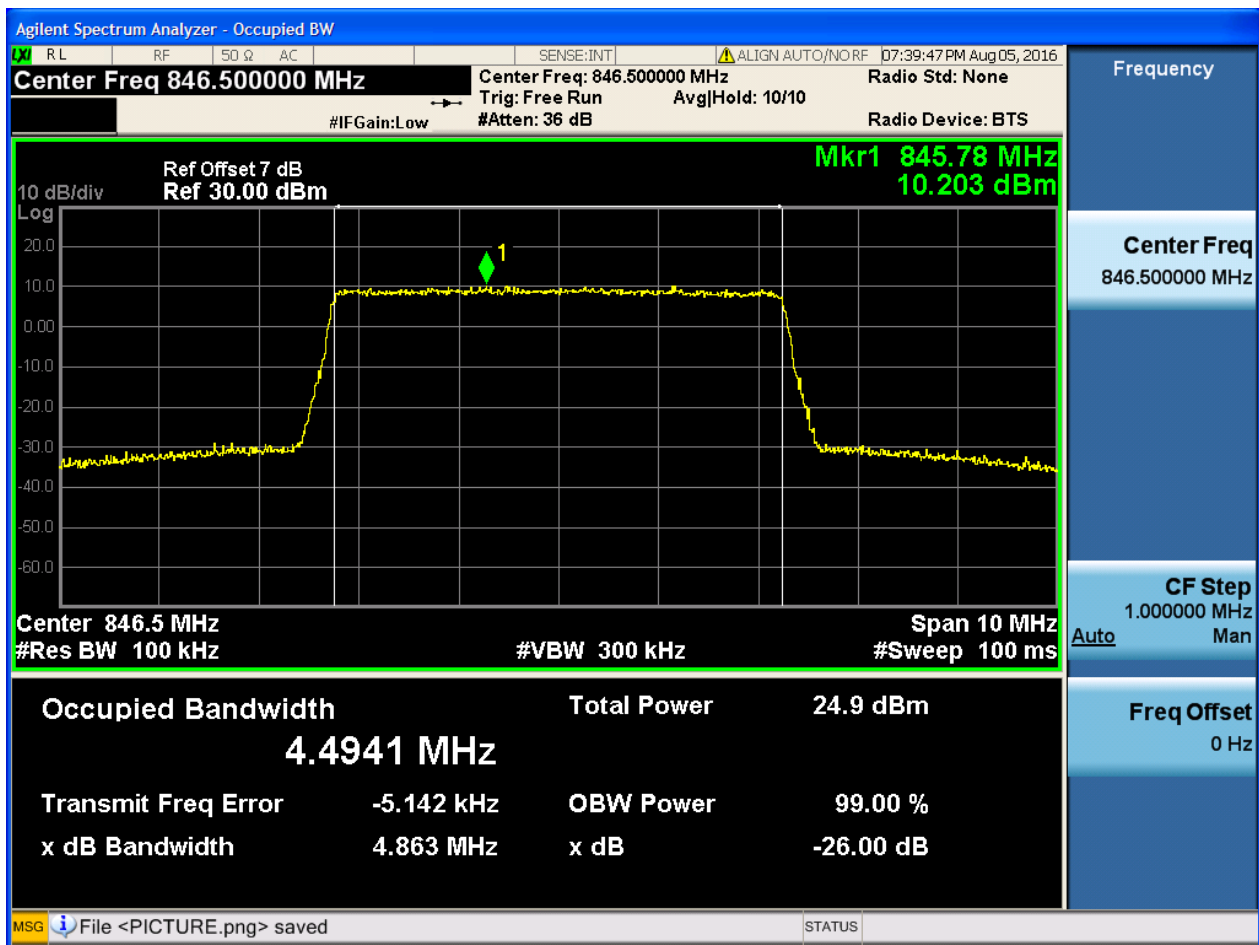
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

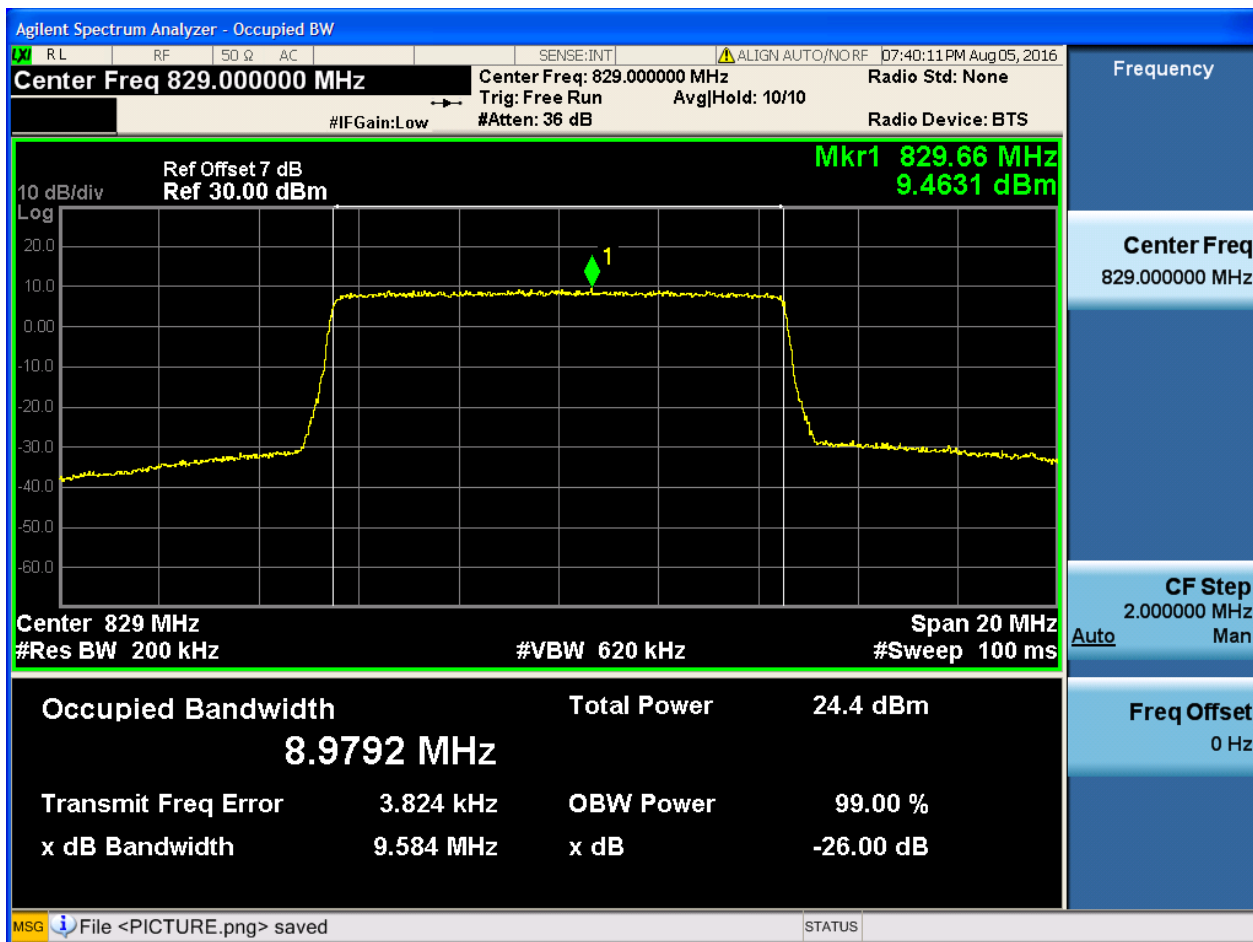




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

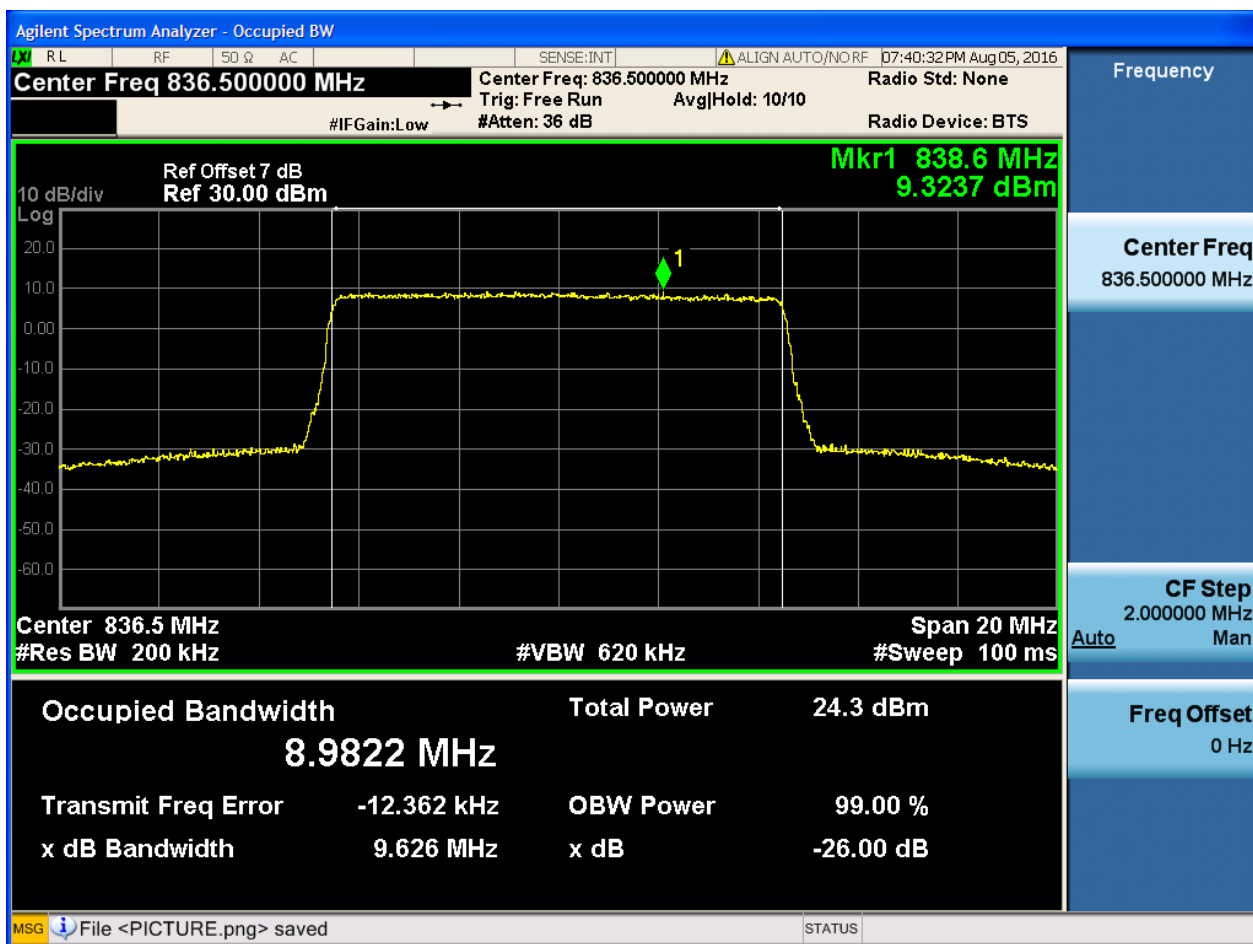
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

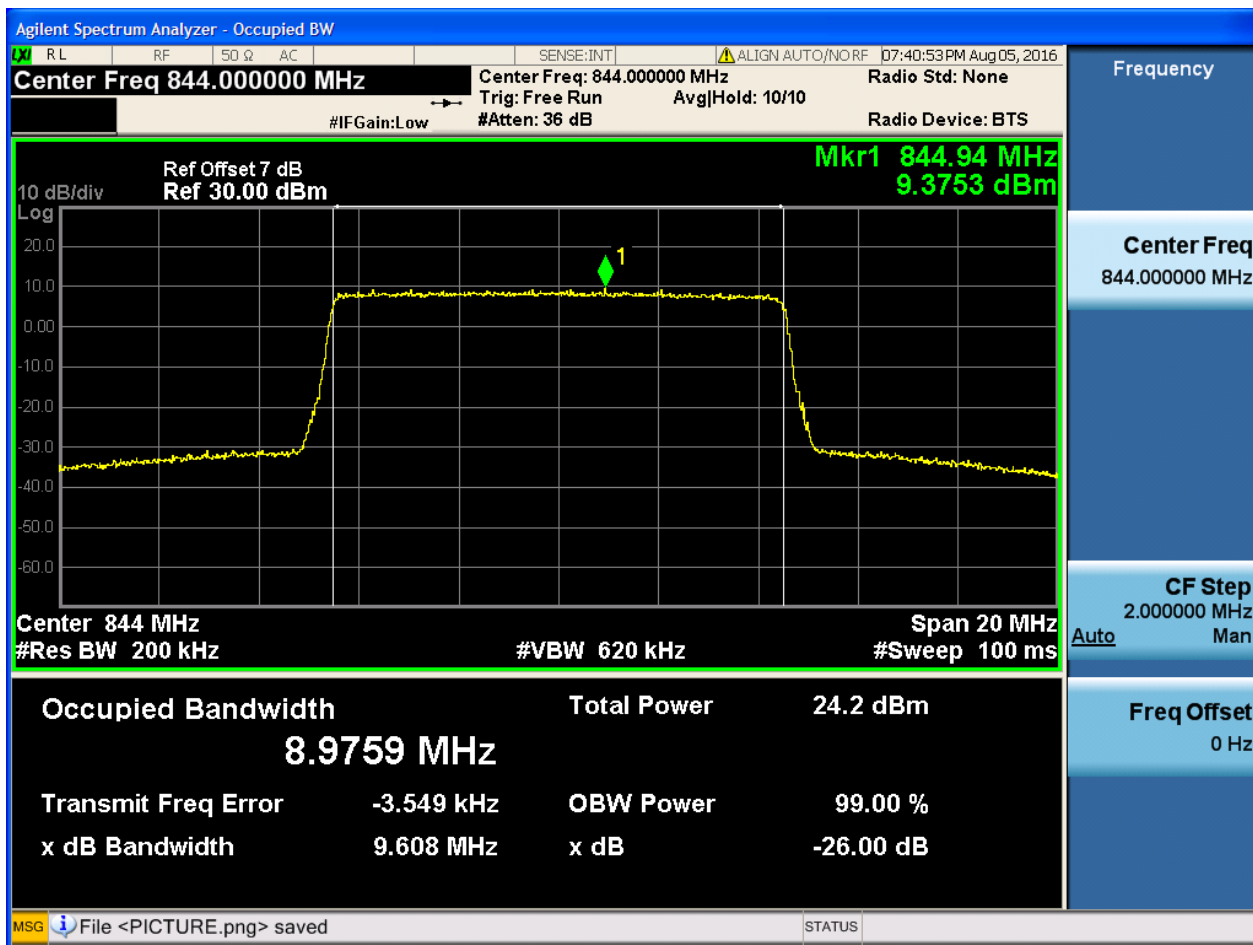
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0



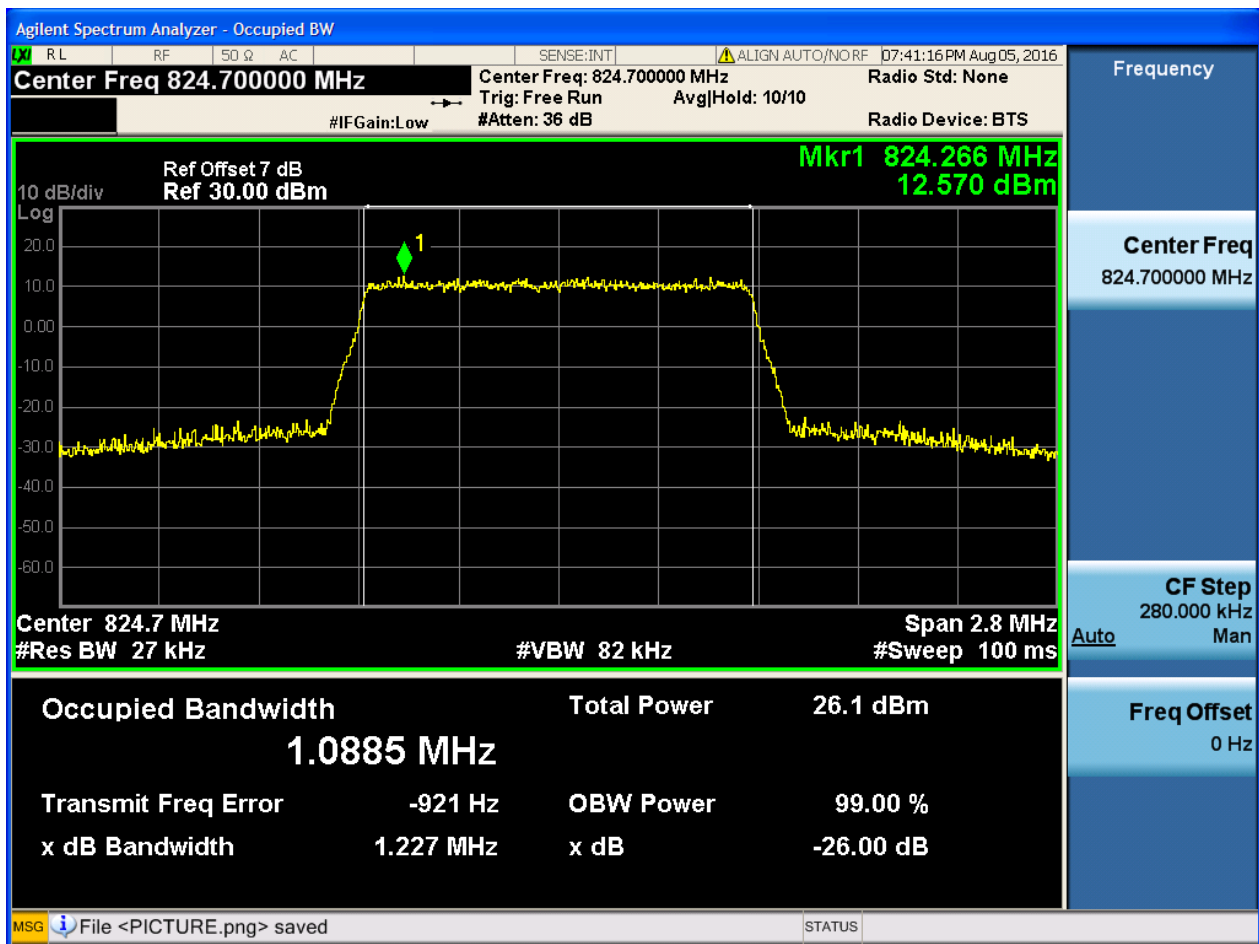


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

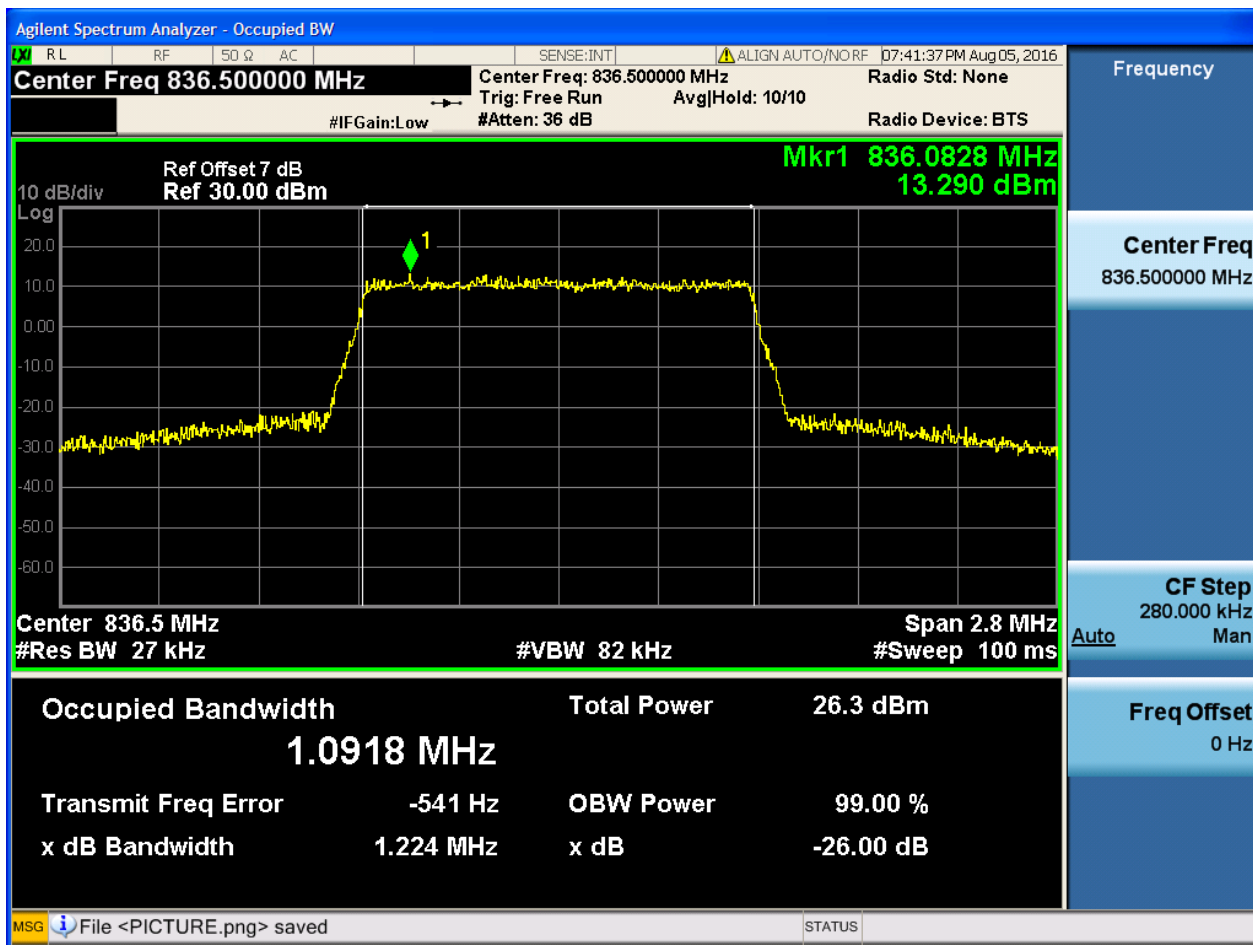
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

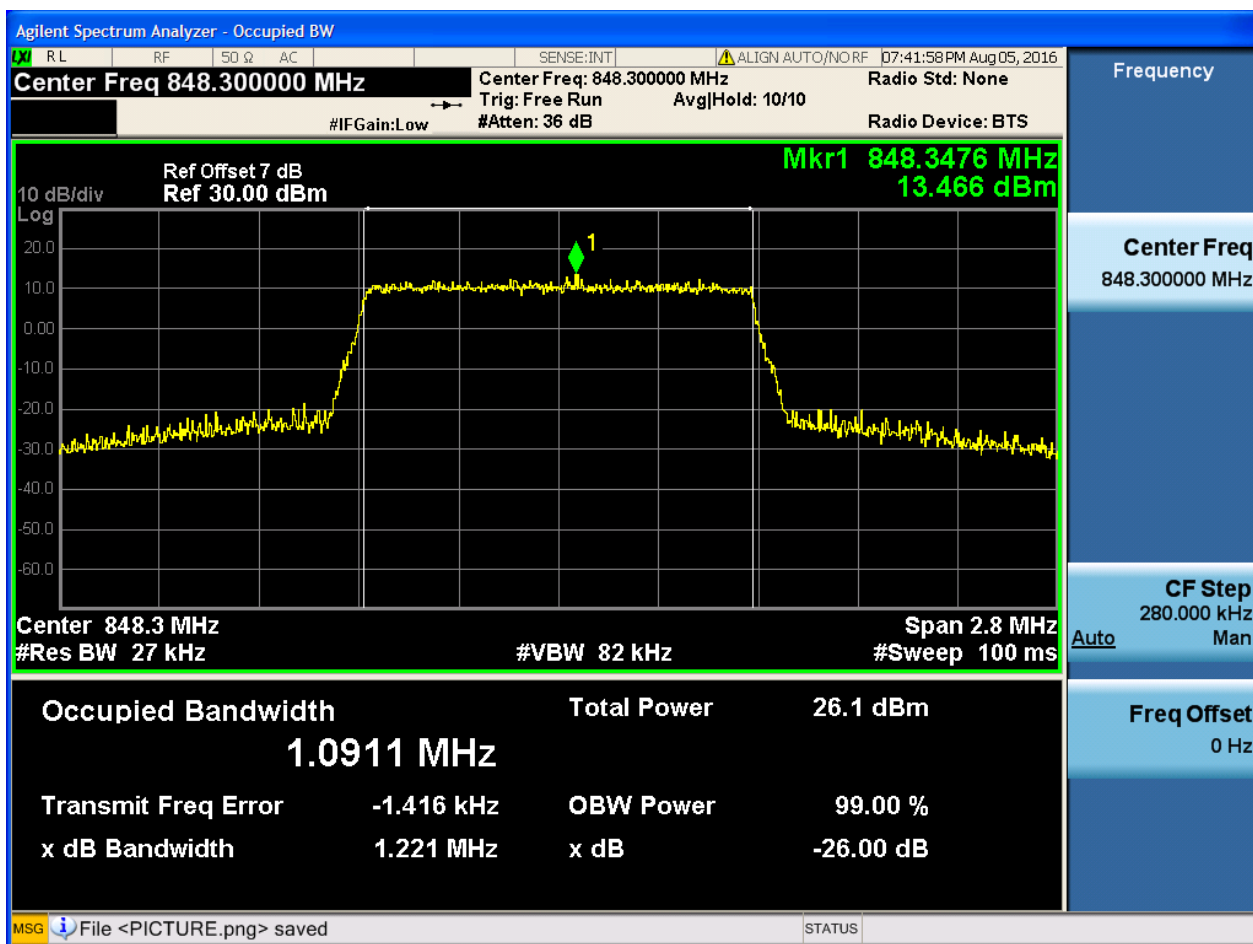
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

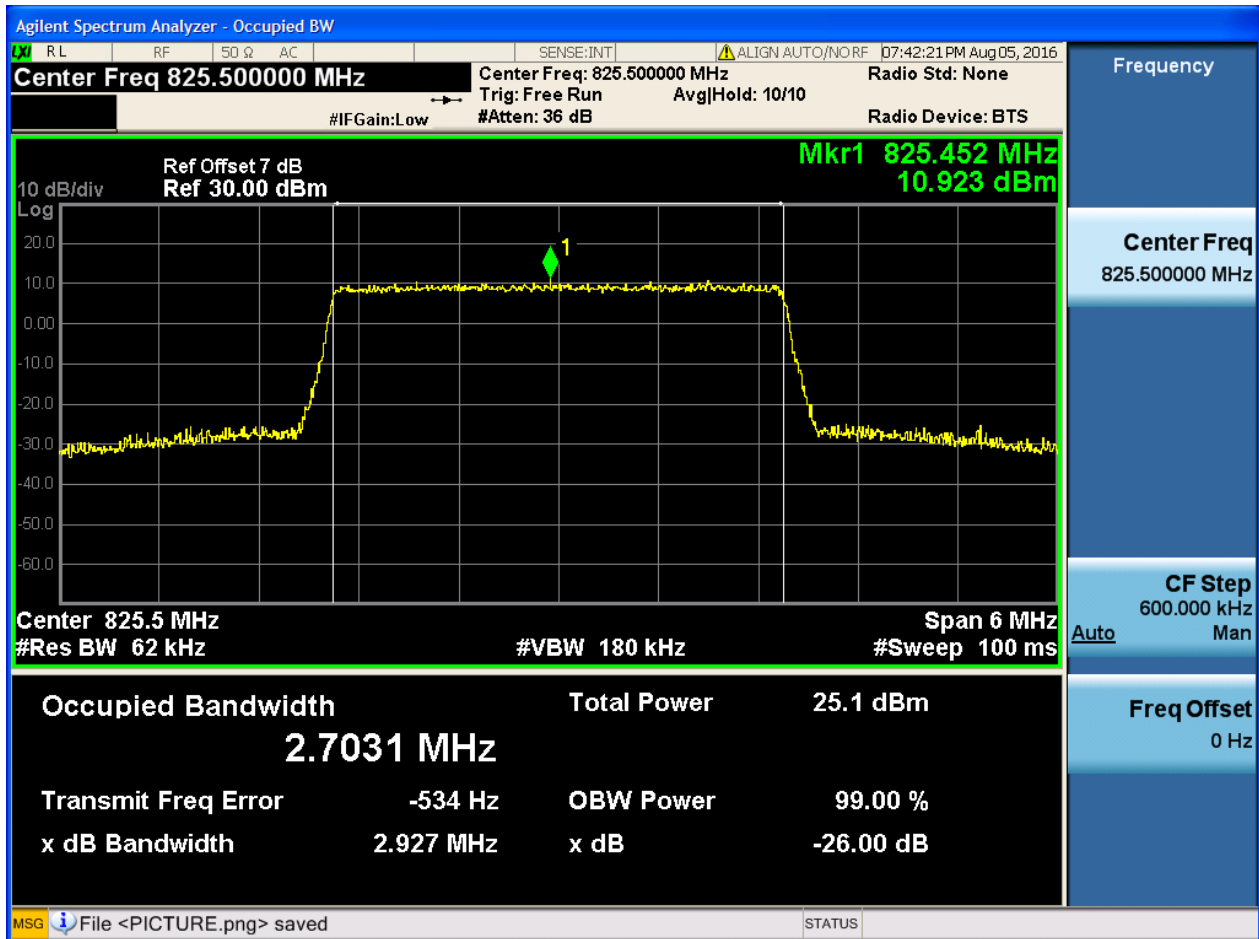




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

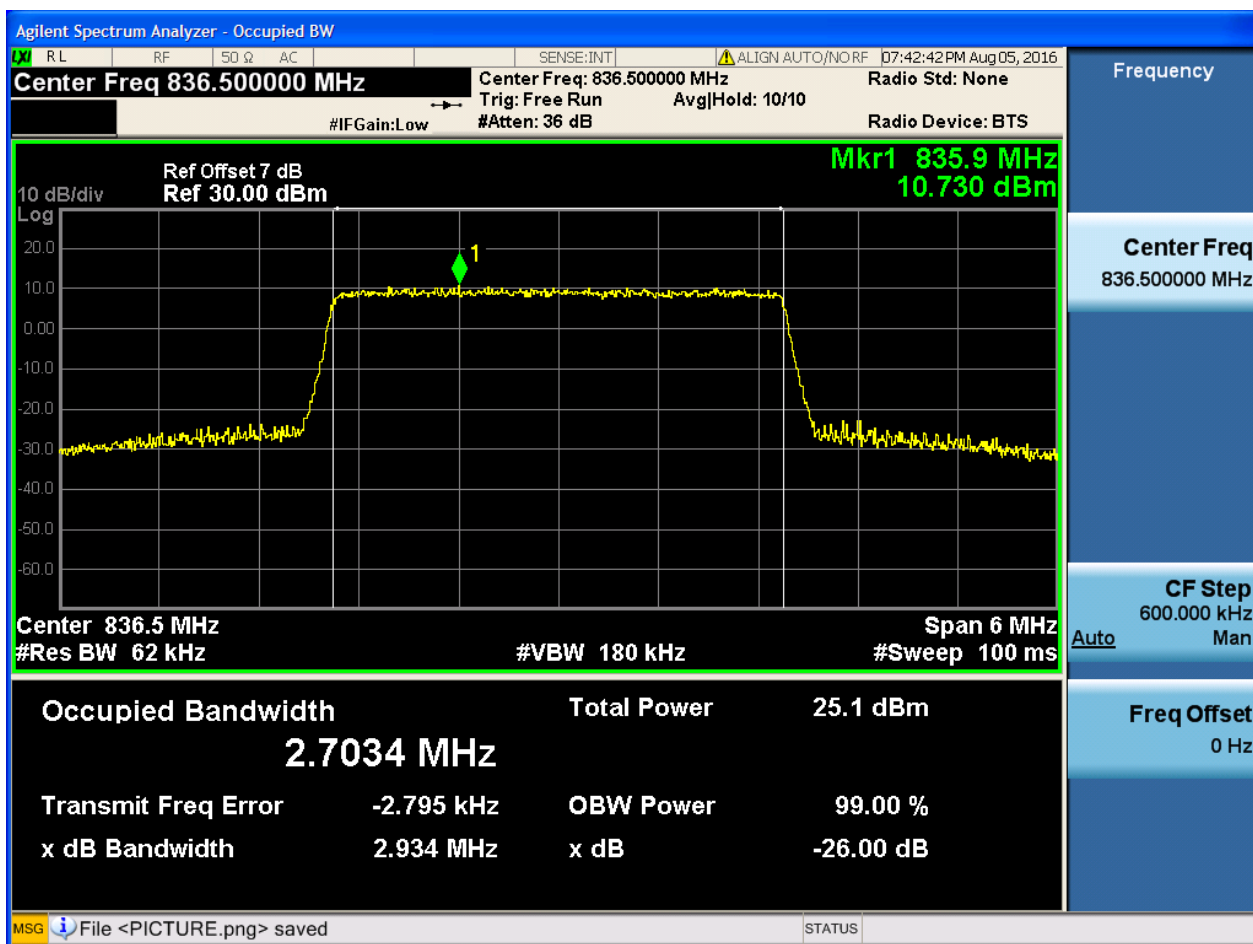
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

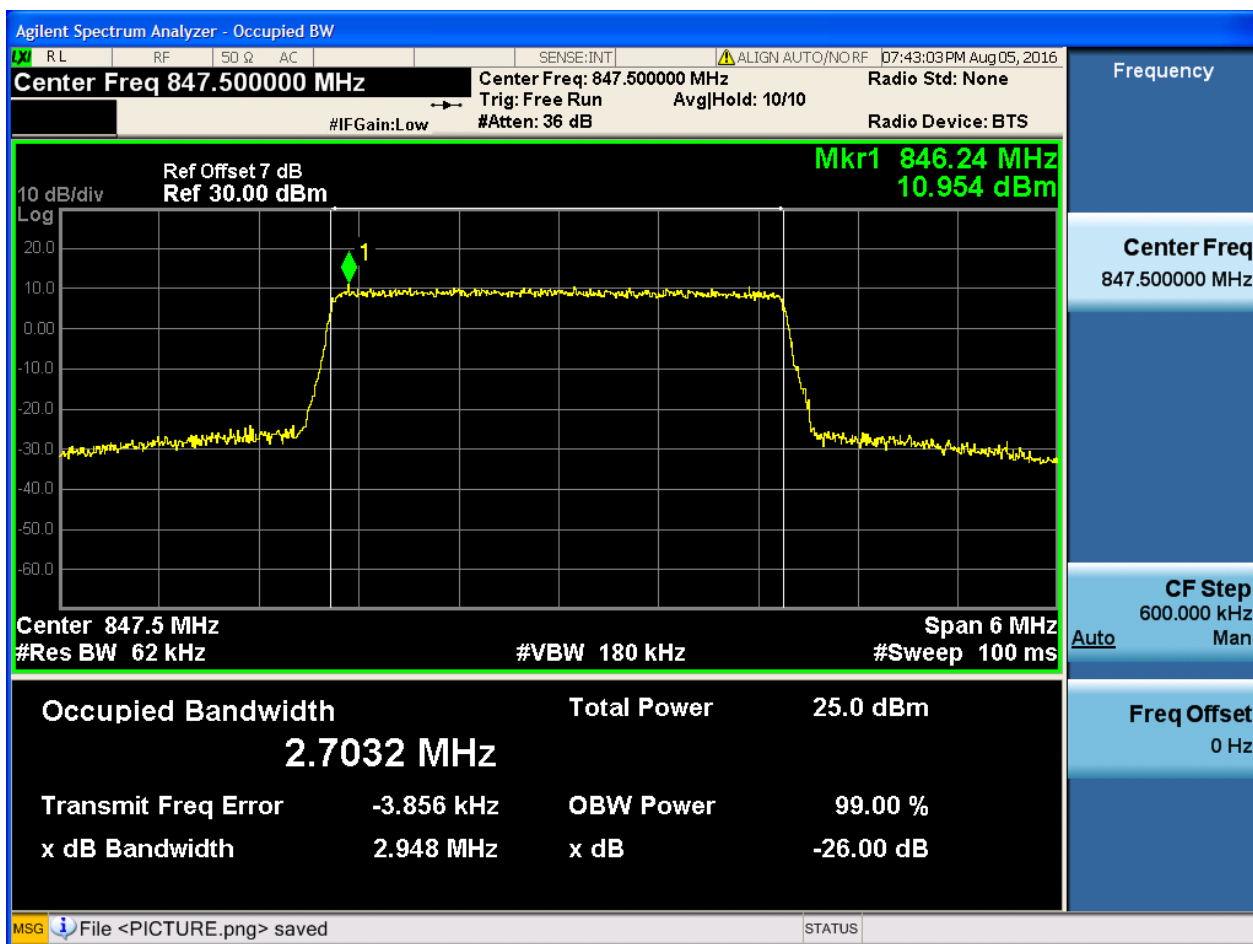
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

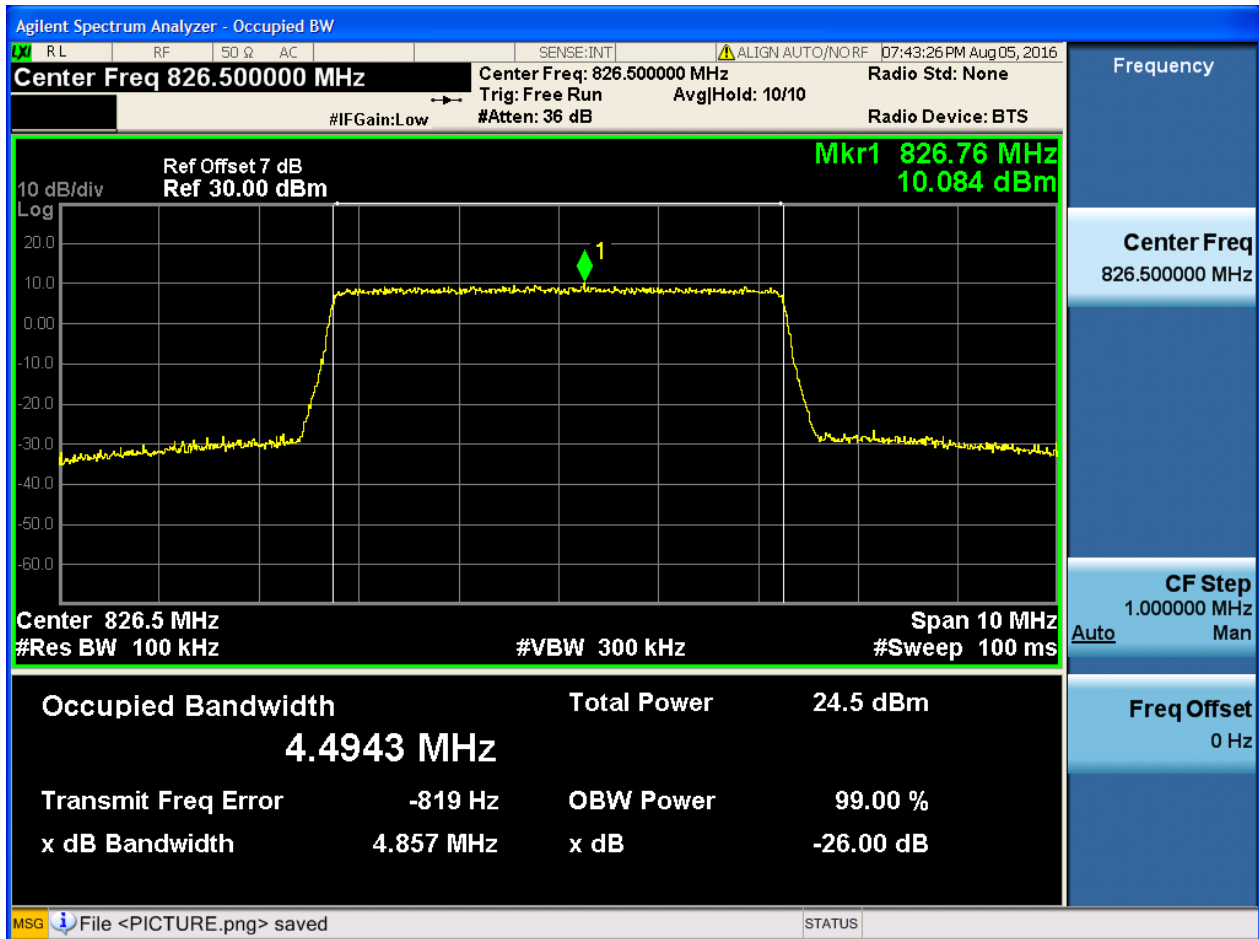




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

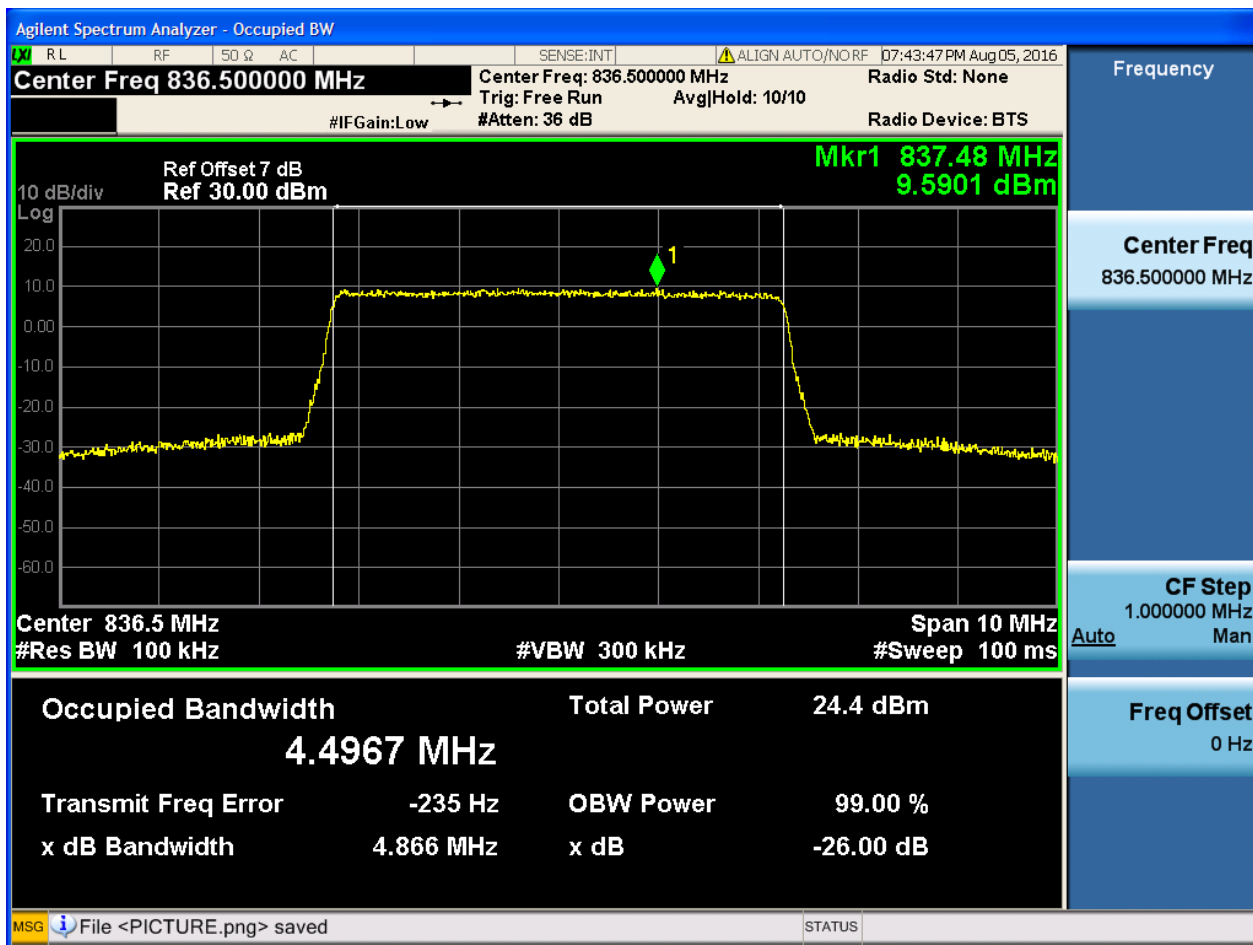
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

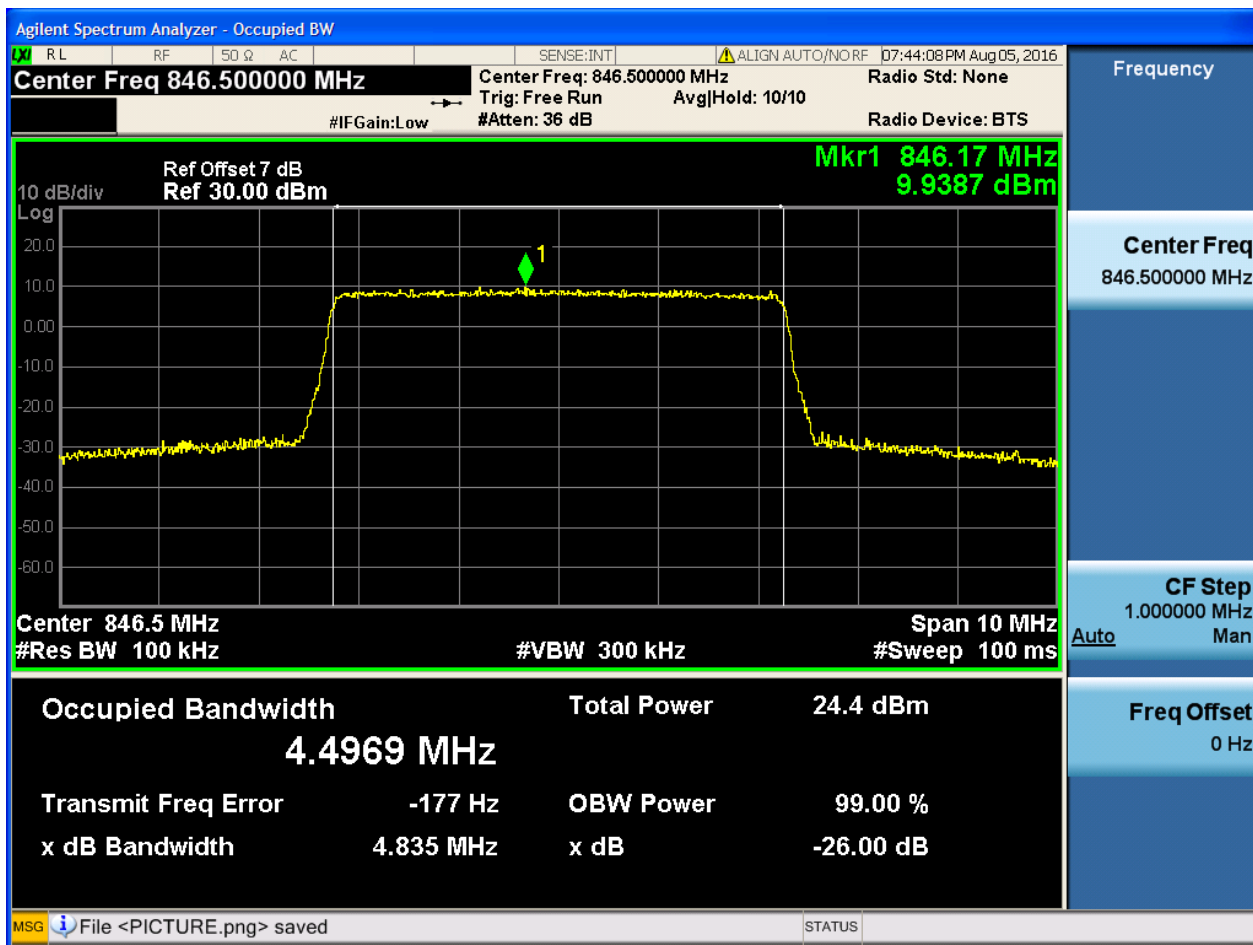
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

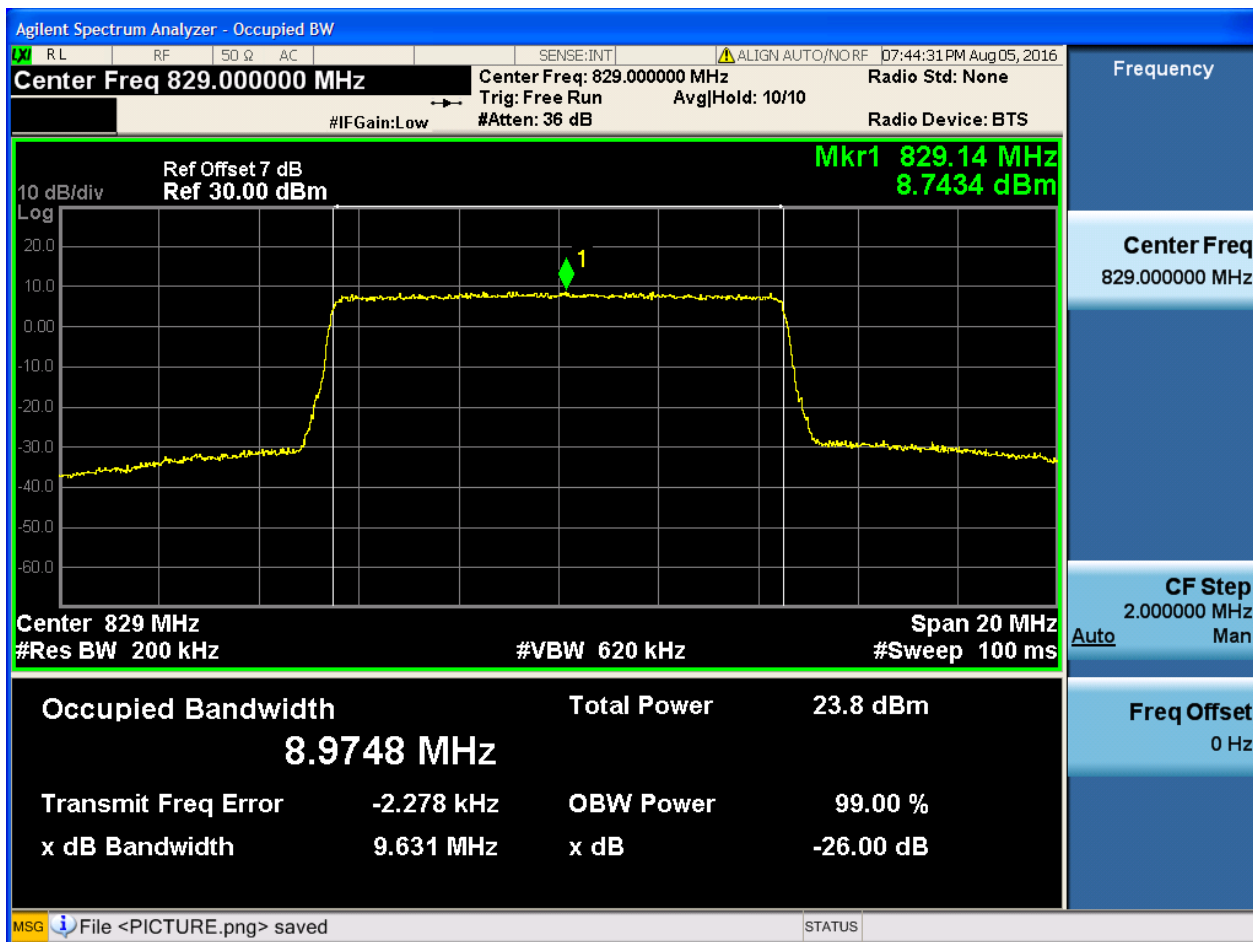




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

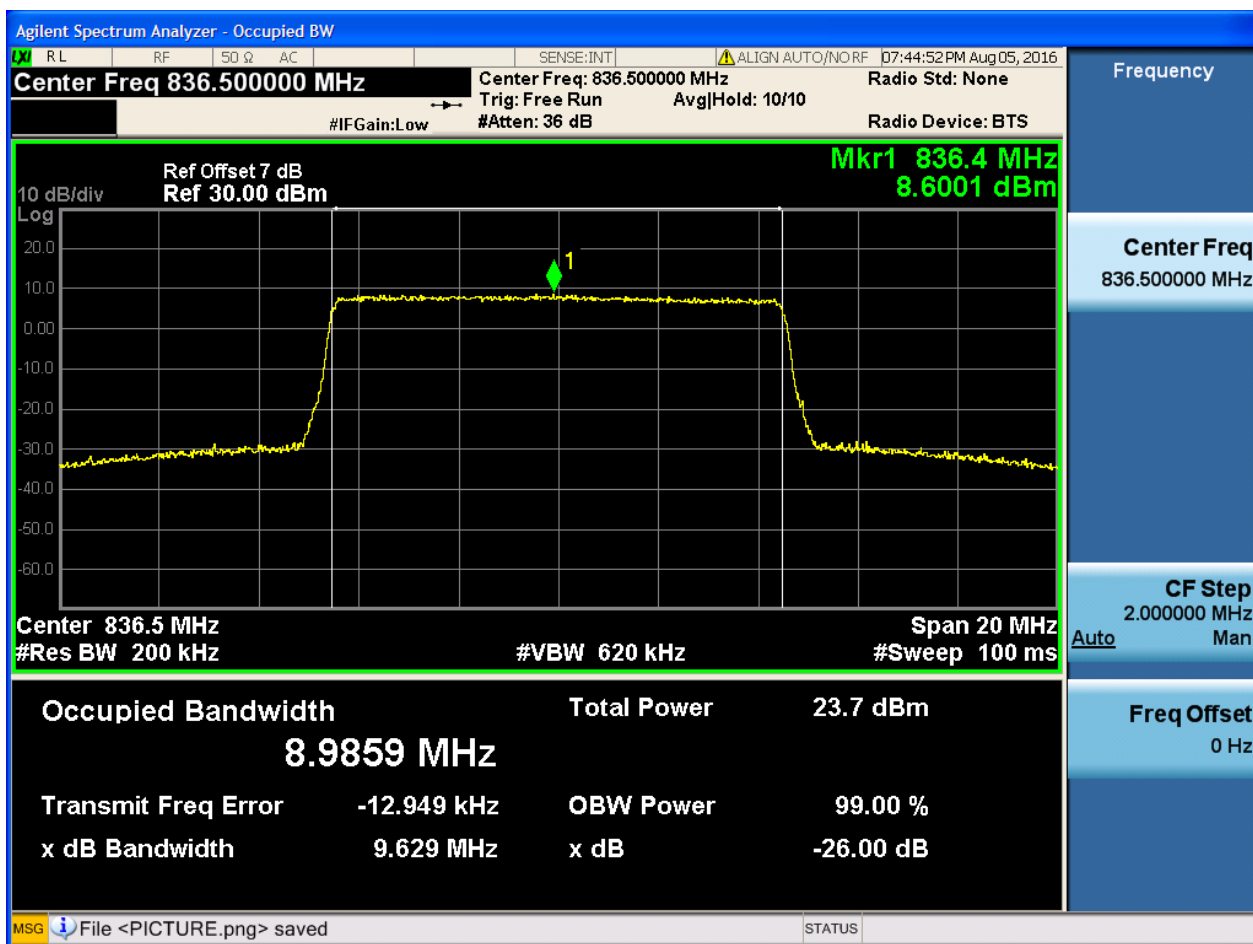
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

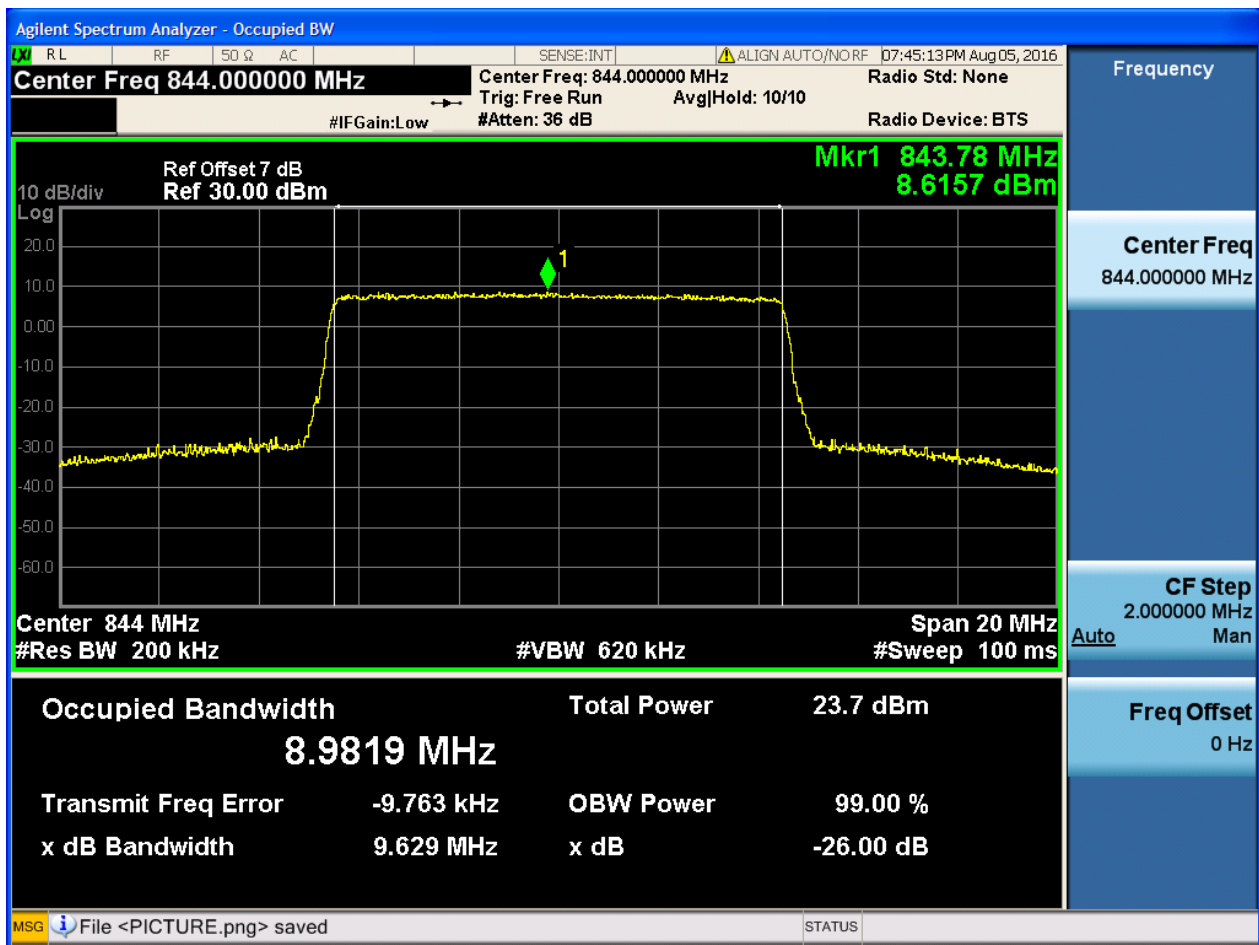
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

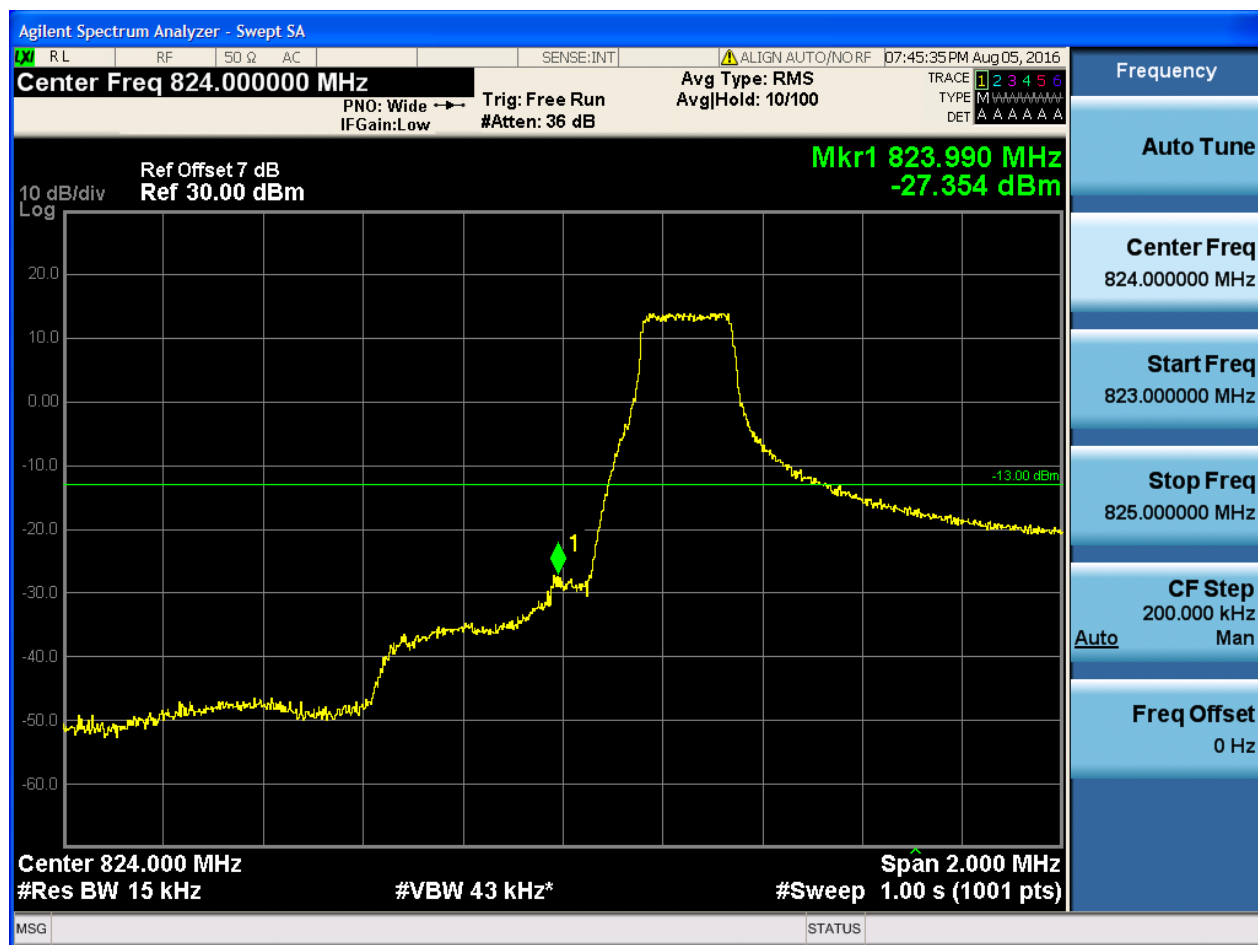
5.1.1 Test Band = BAND5

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



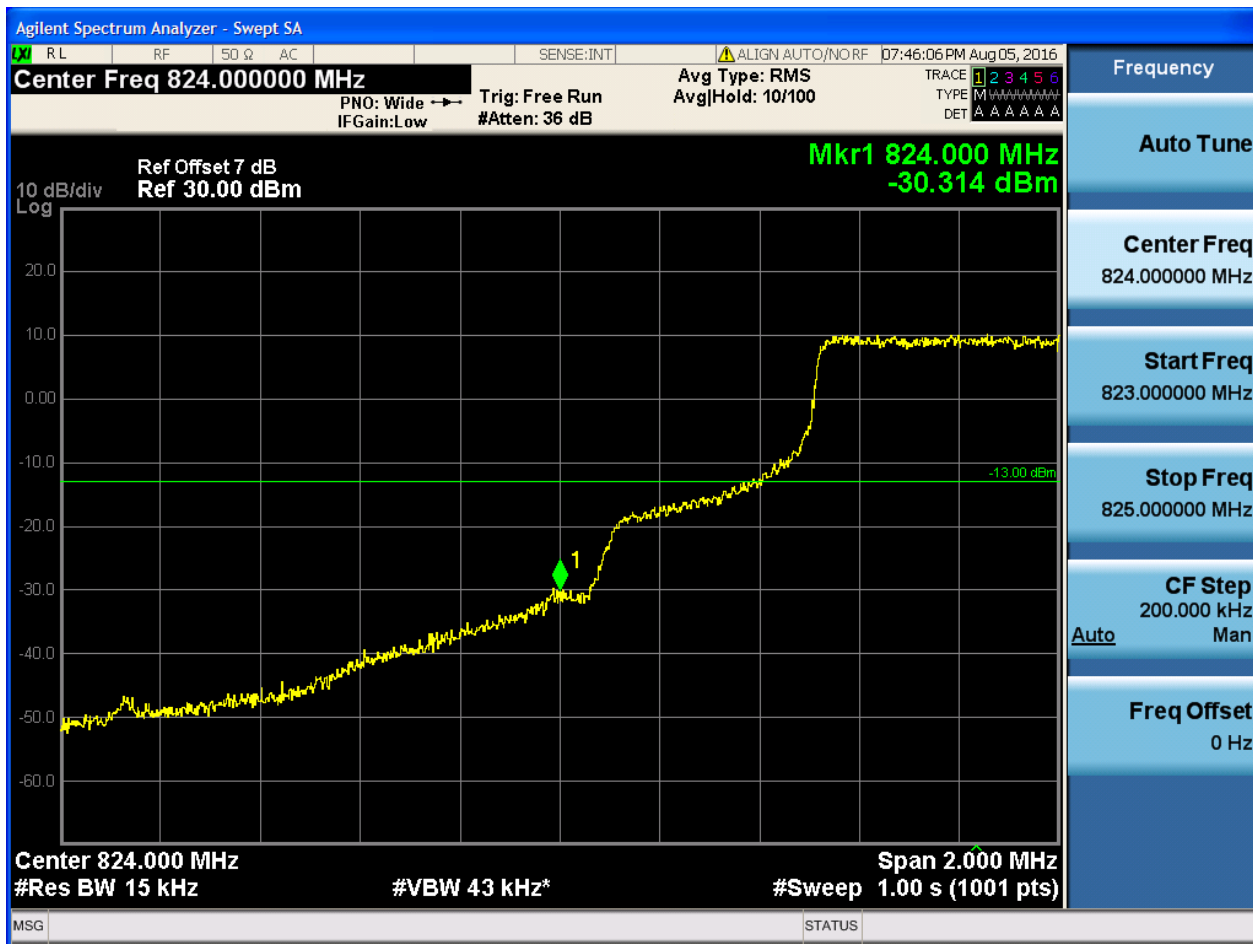


5.1.1.1.1.2 Test RB = RB1#5



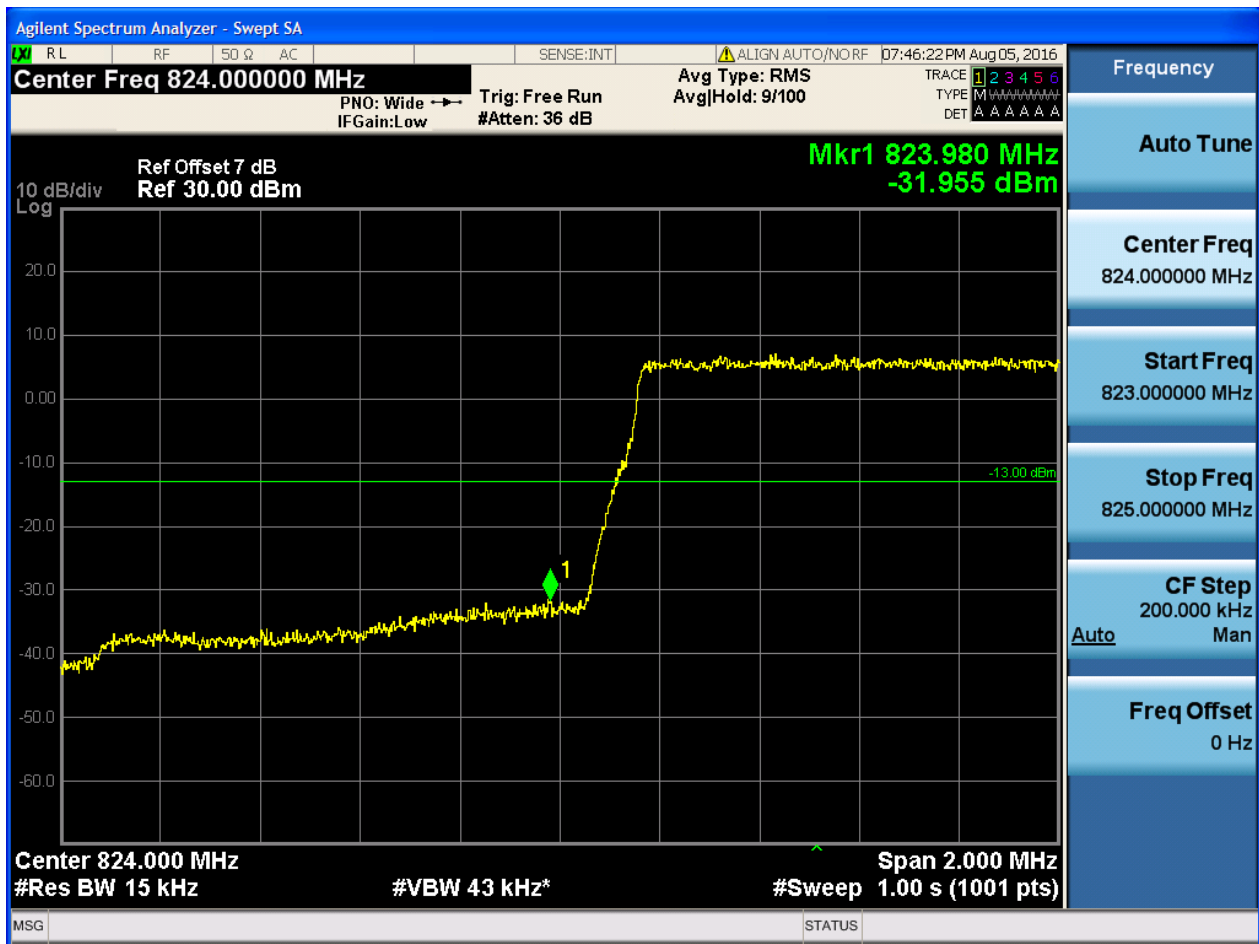


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0



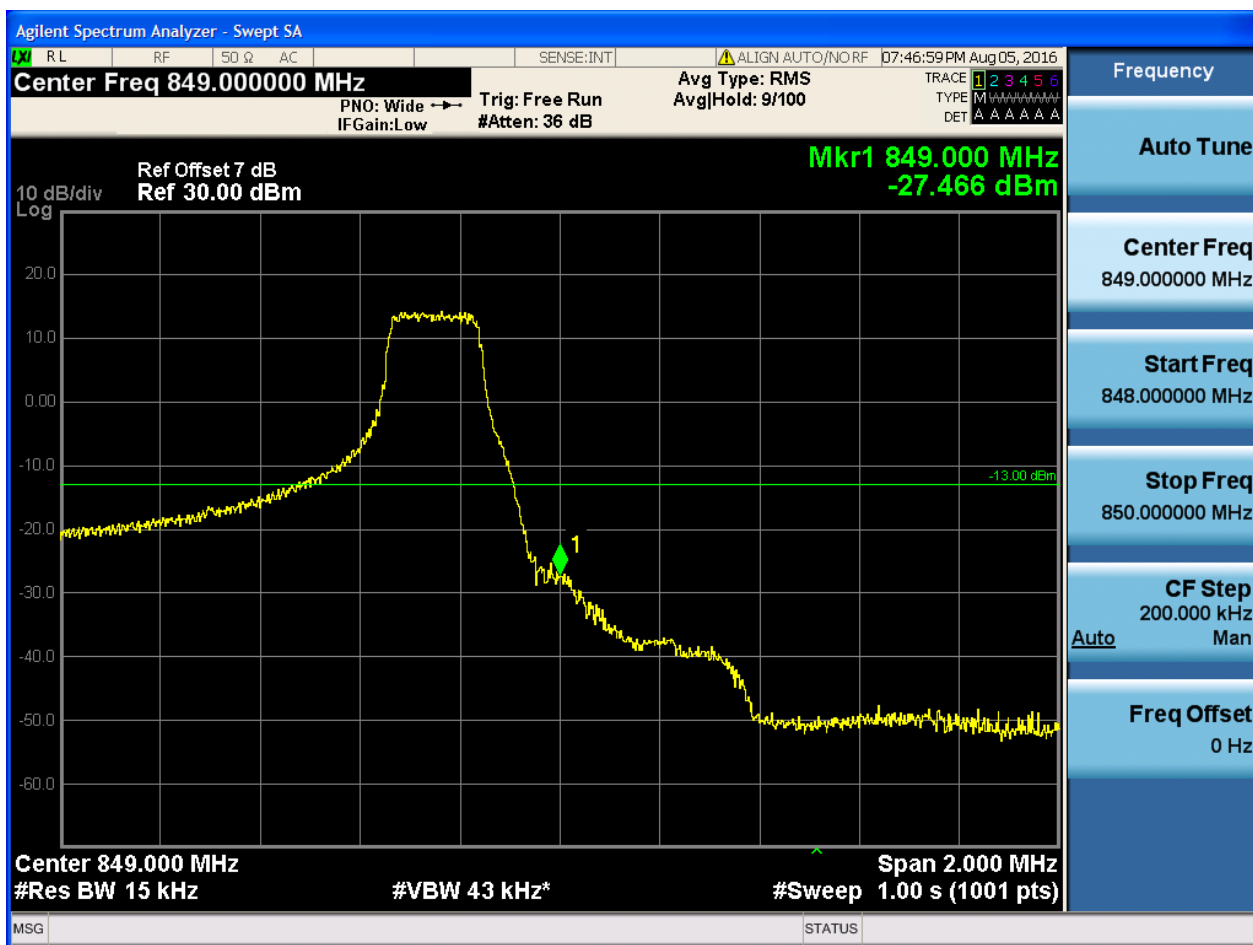


5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

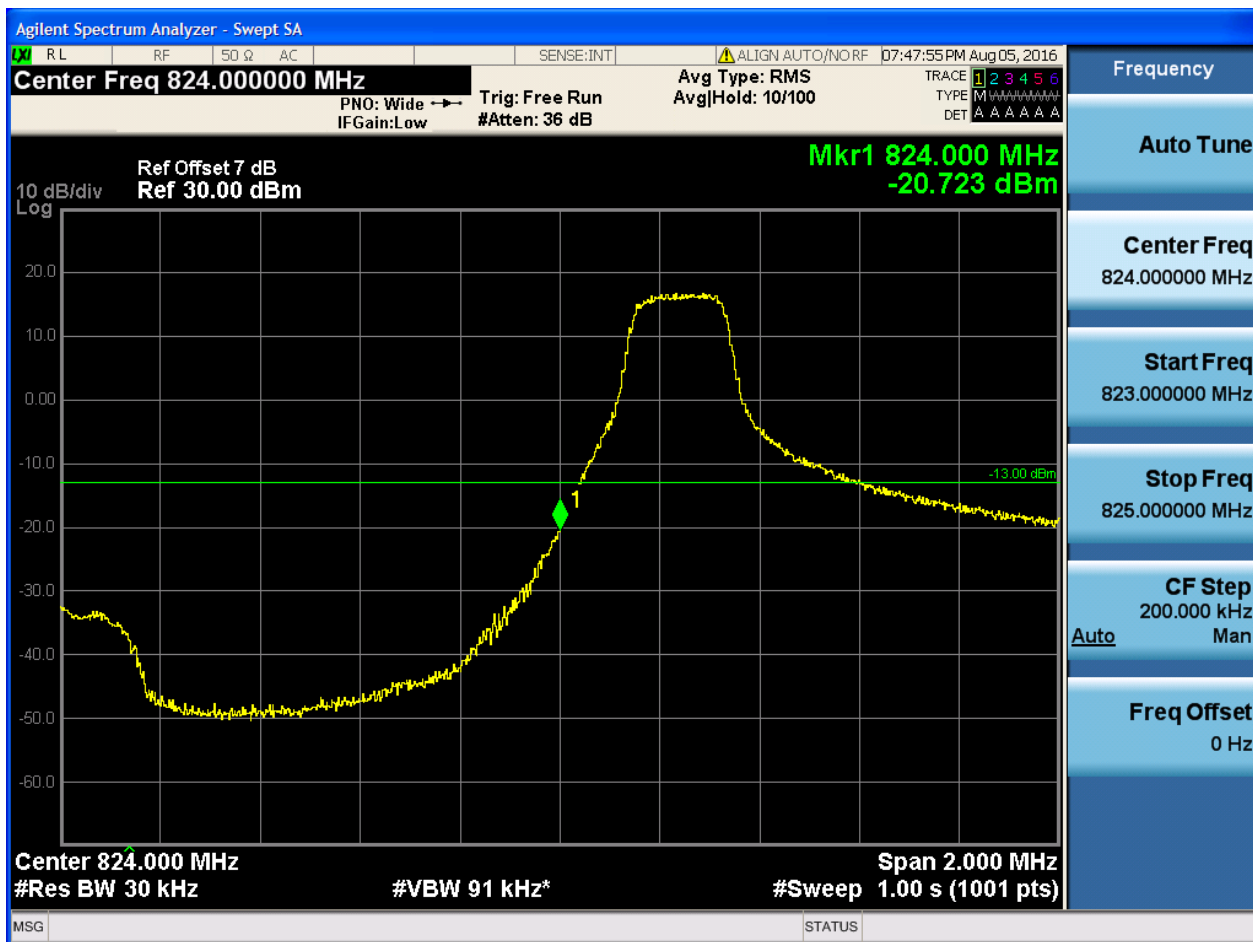




5.1.1.1.2 Test Bandwidth = 3

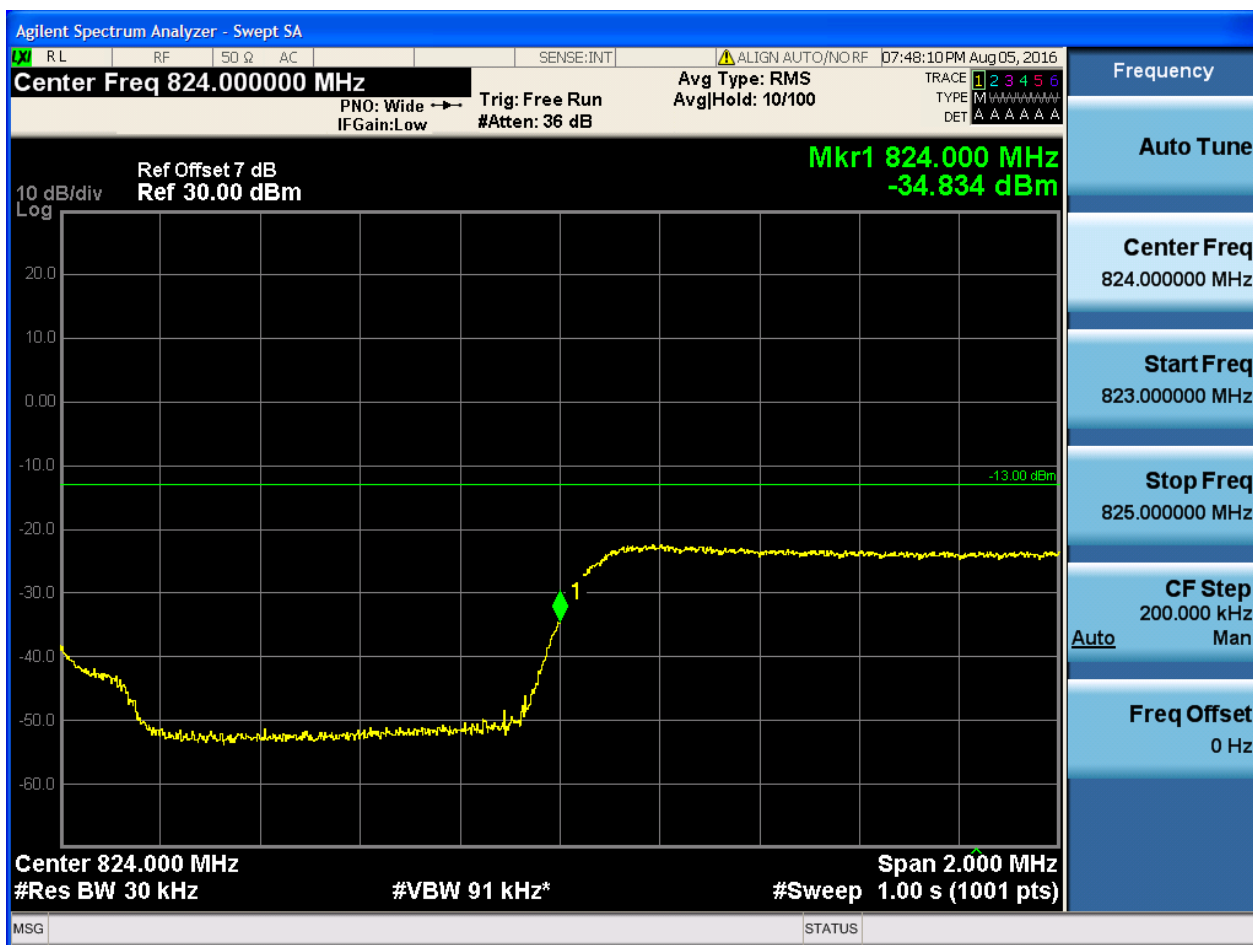
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



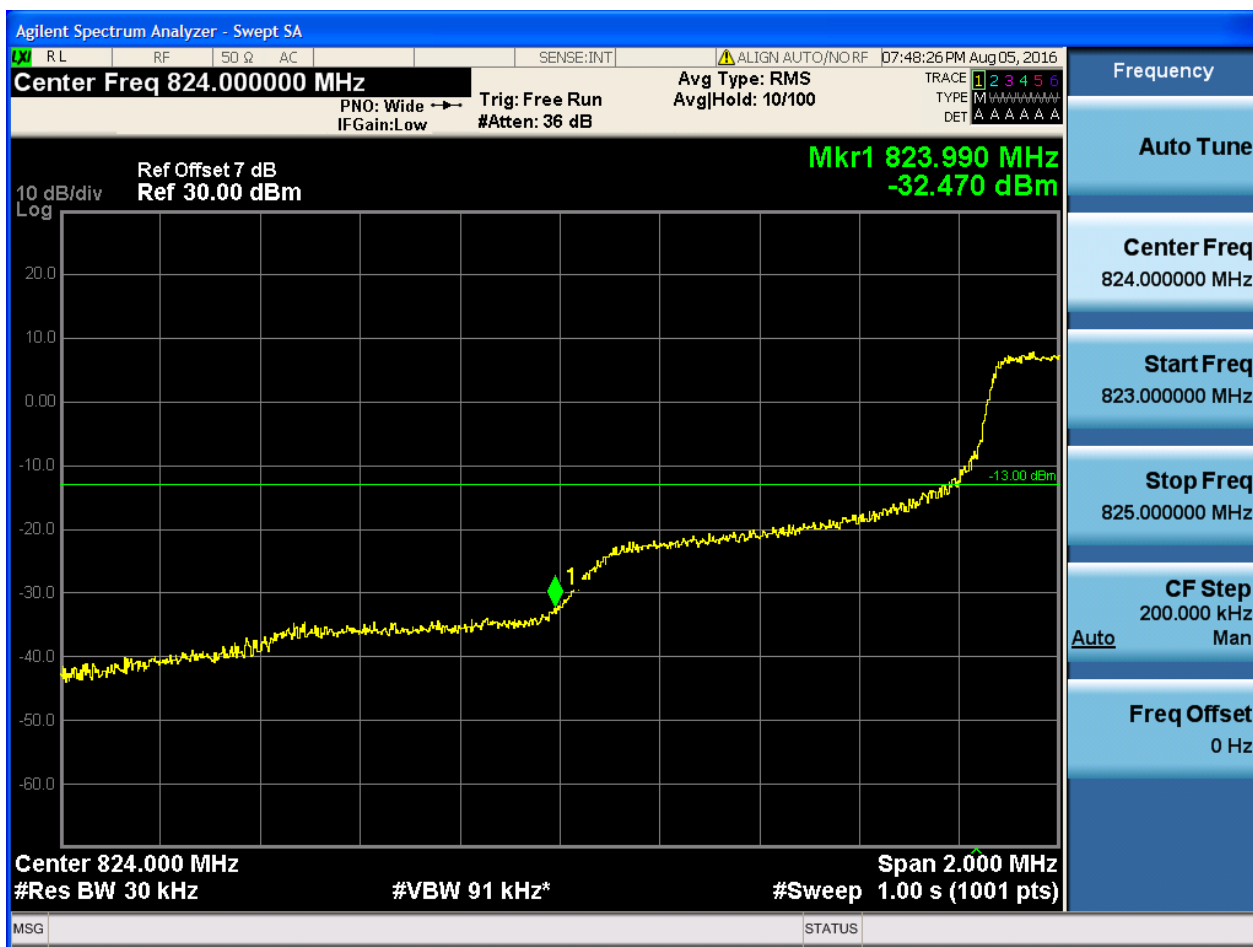


5.1.1.1.2.1.2 Test RB = RB1#14



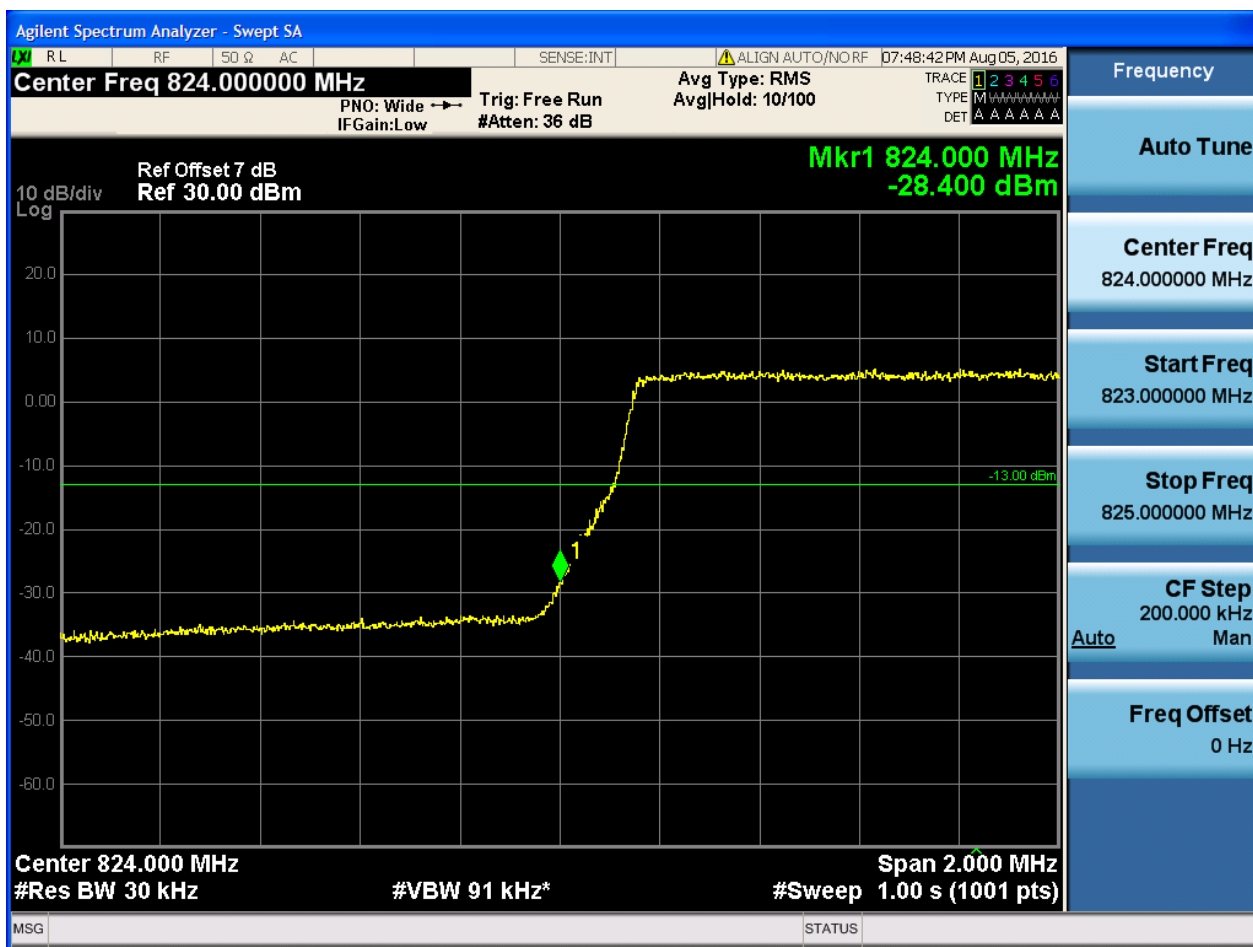


5.1.1.1.2.1.3 Test RB = RB8#4





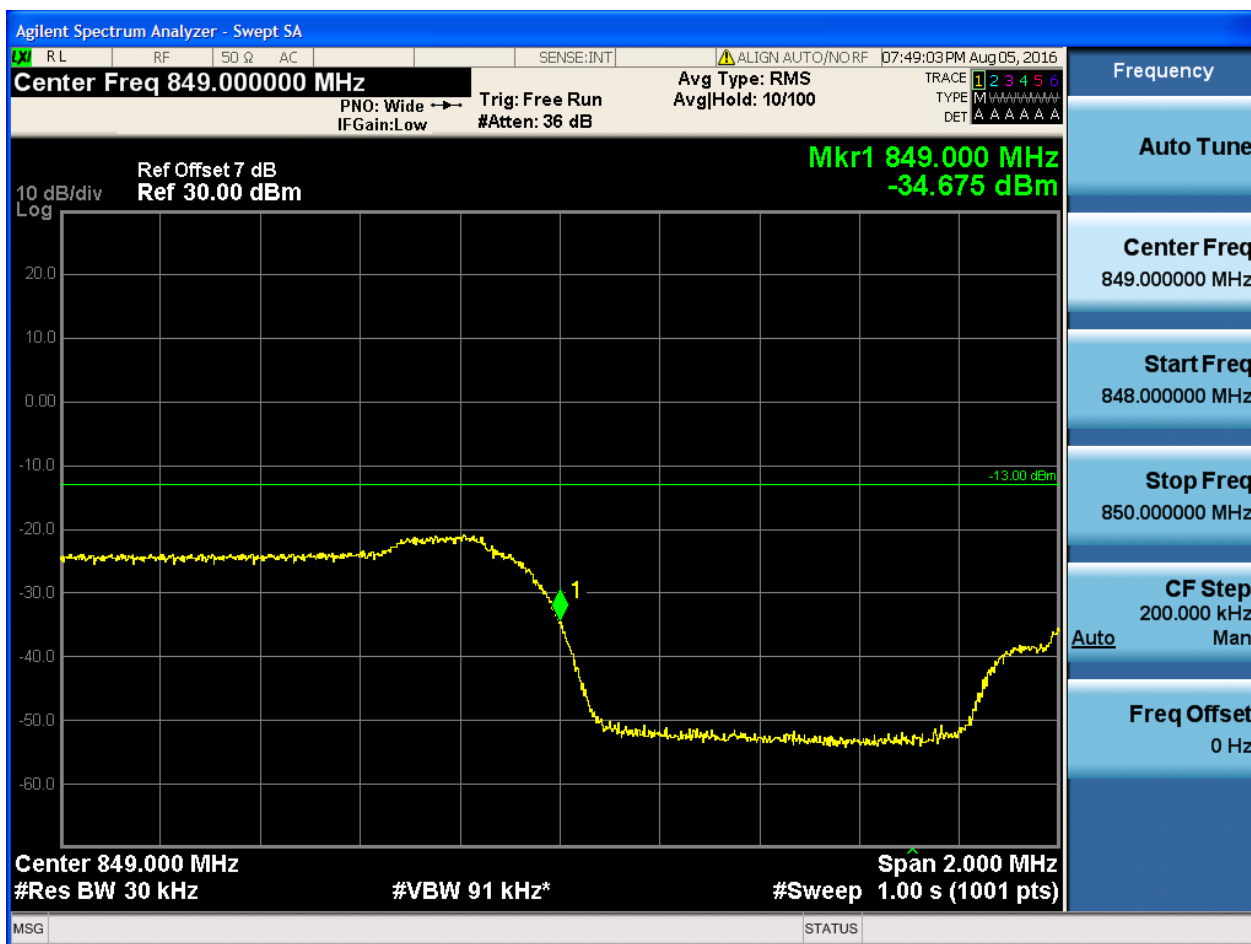
5.1.1.1.2.1.4 Test RB = RB15#0





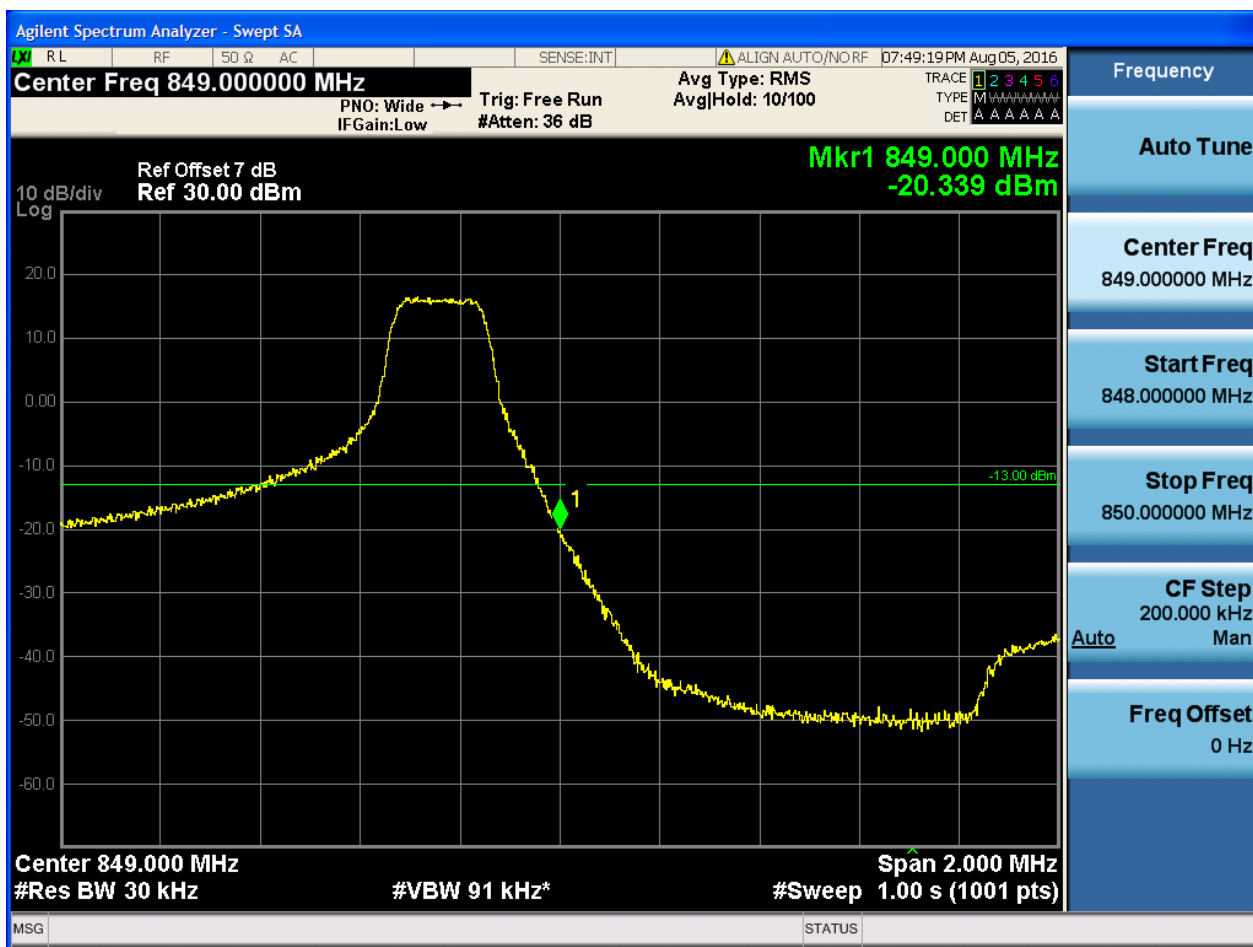
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

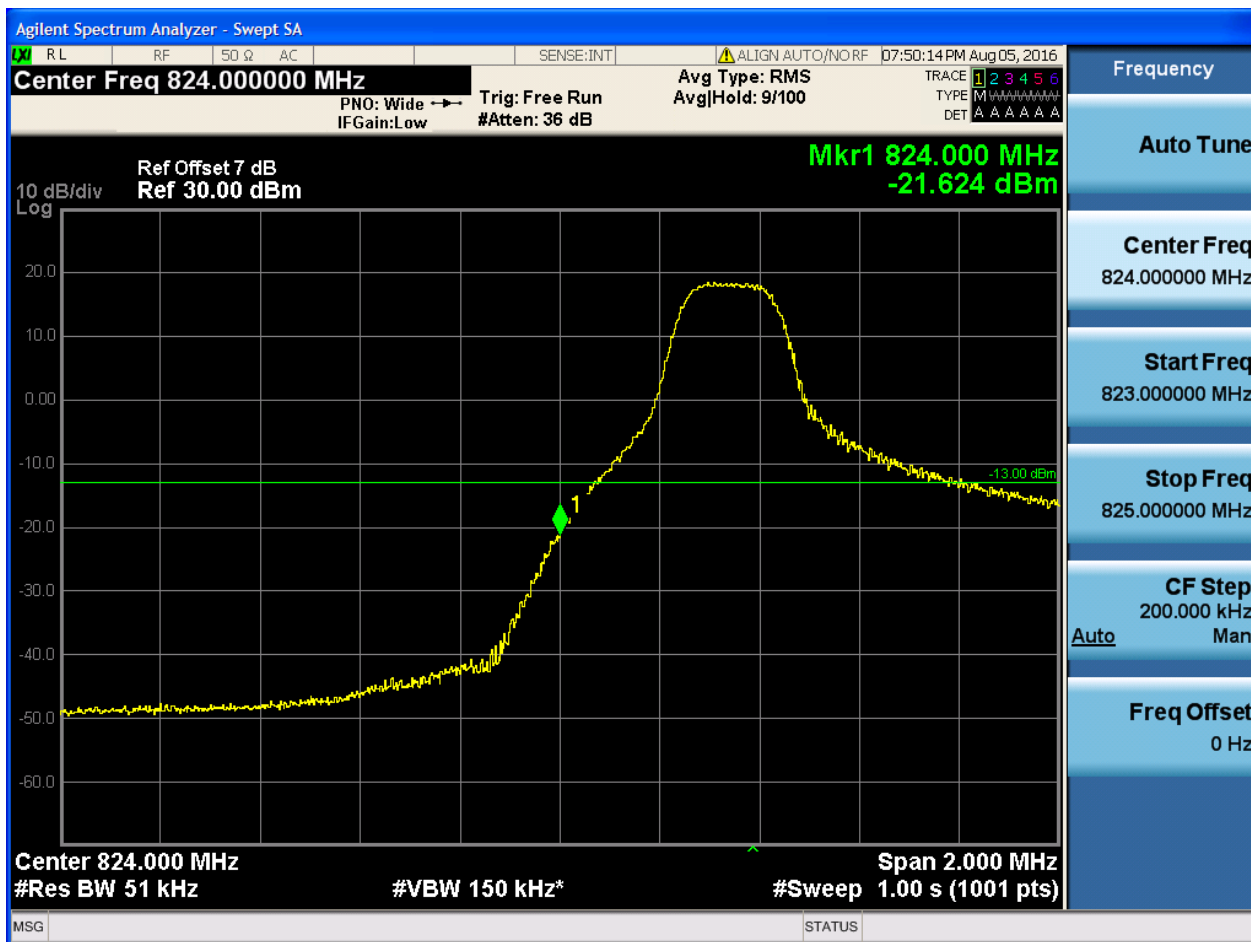




5.1.1.1.3 Test Bandwidth = 5

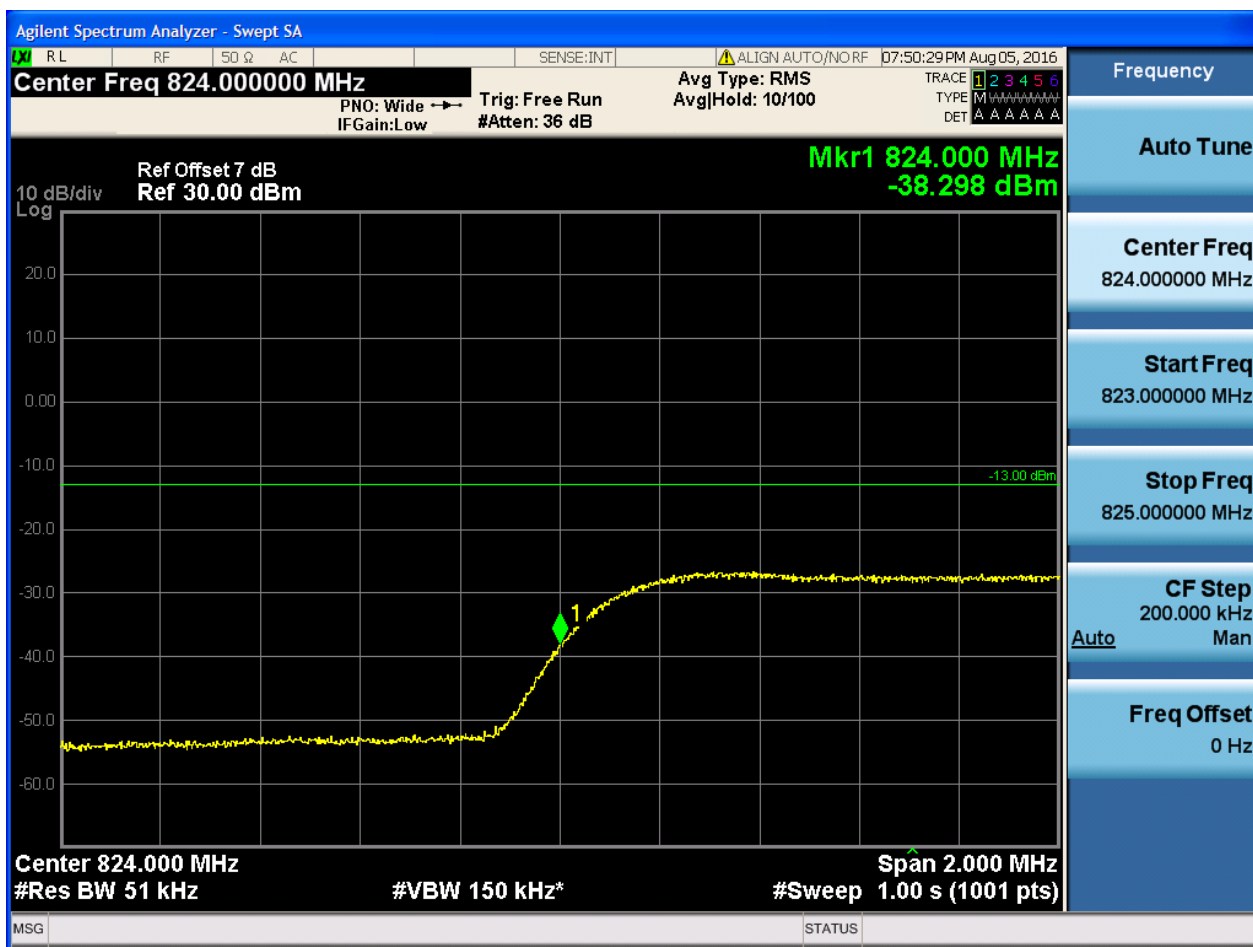
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



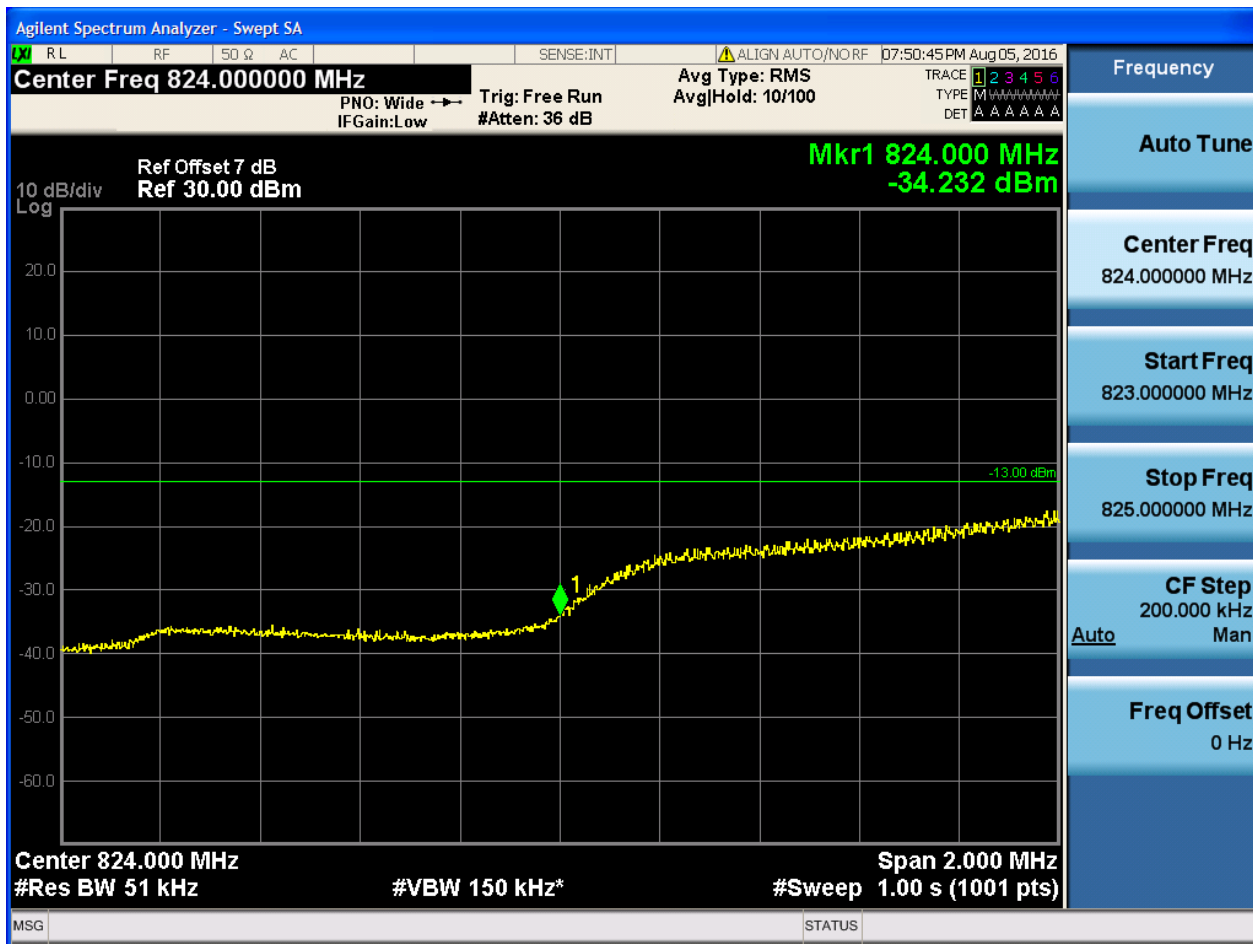


5.1.1.1.3.1.2 Test RB = RB1#24



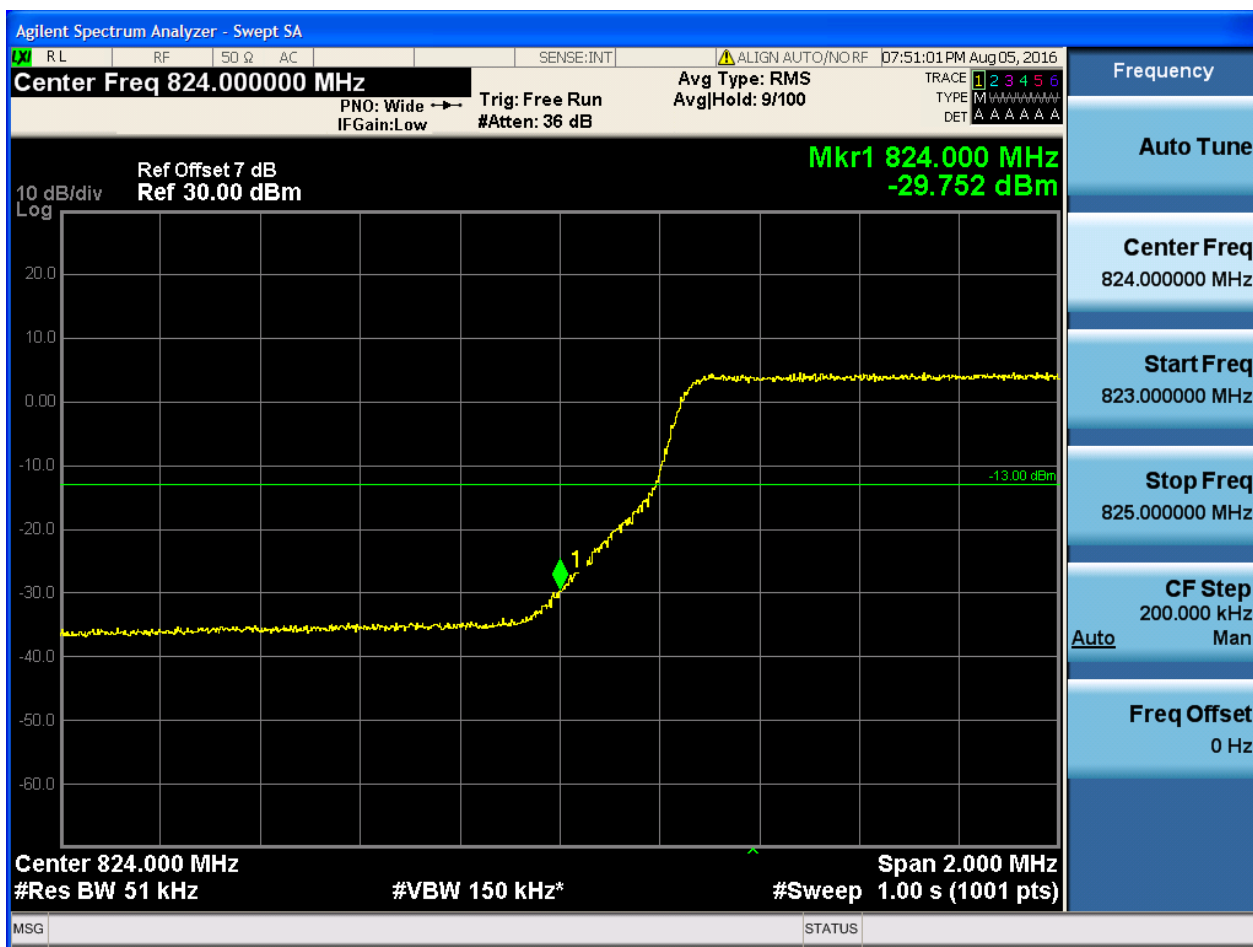


5.1.1.1.3.1.3 Test RB = RB12#6



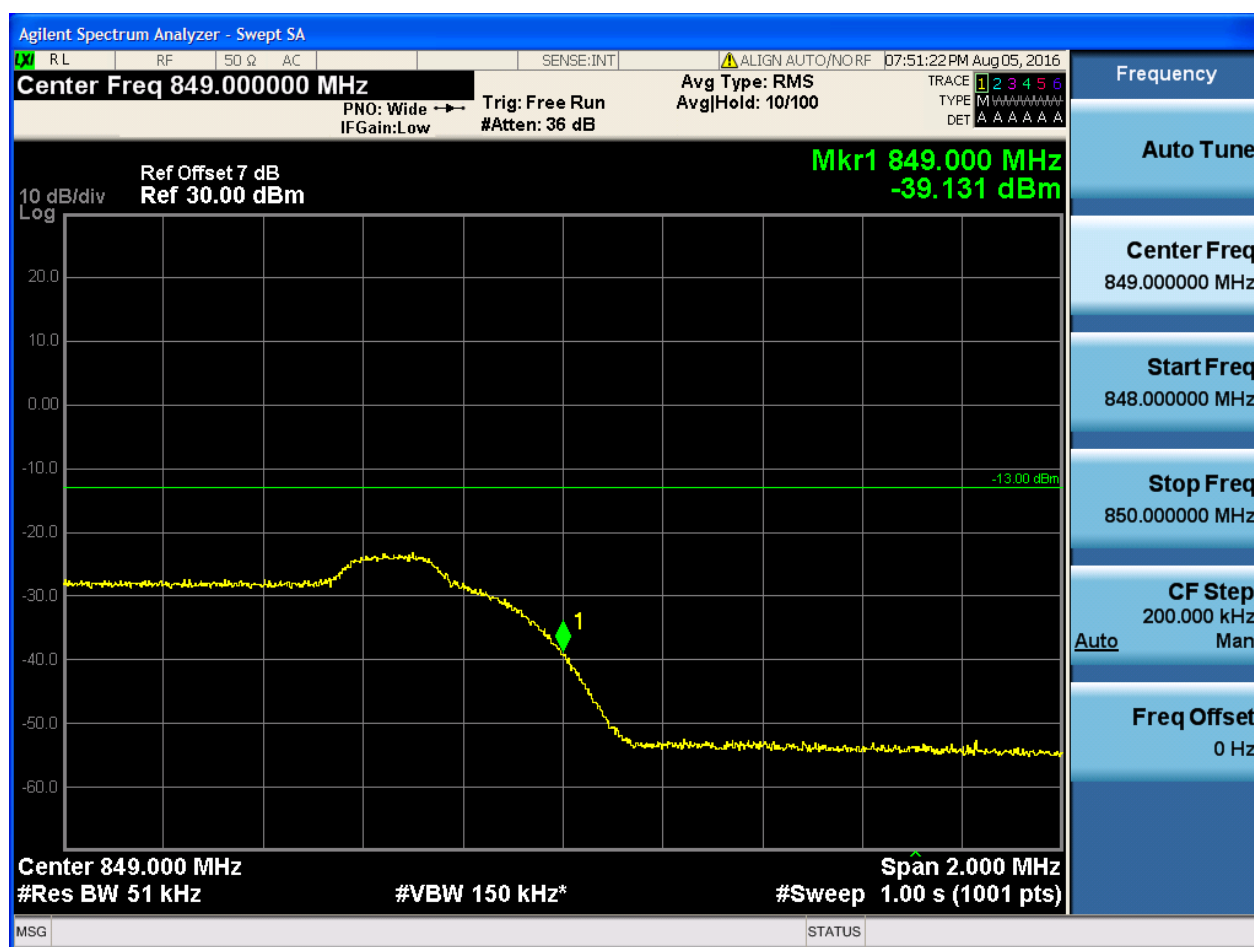


5.1.1.1.3.1.4 Test RB = RB25#0



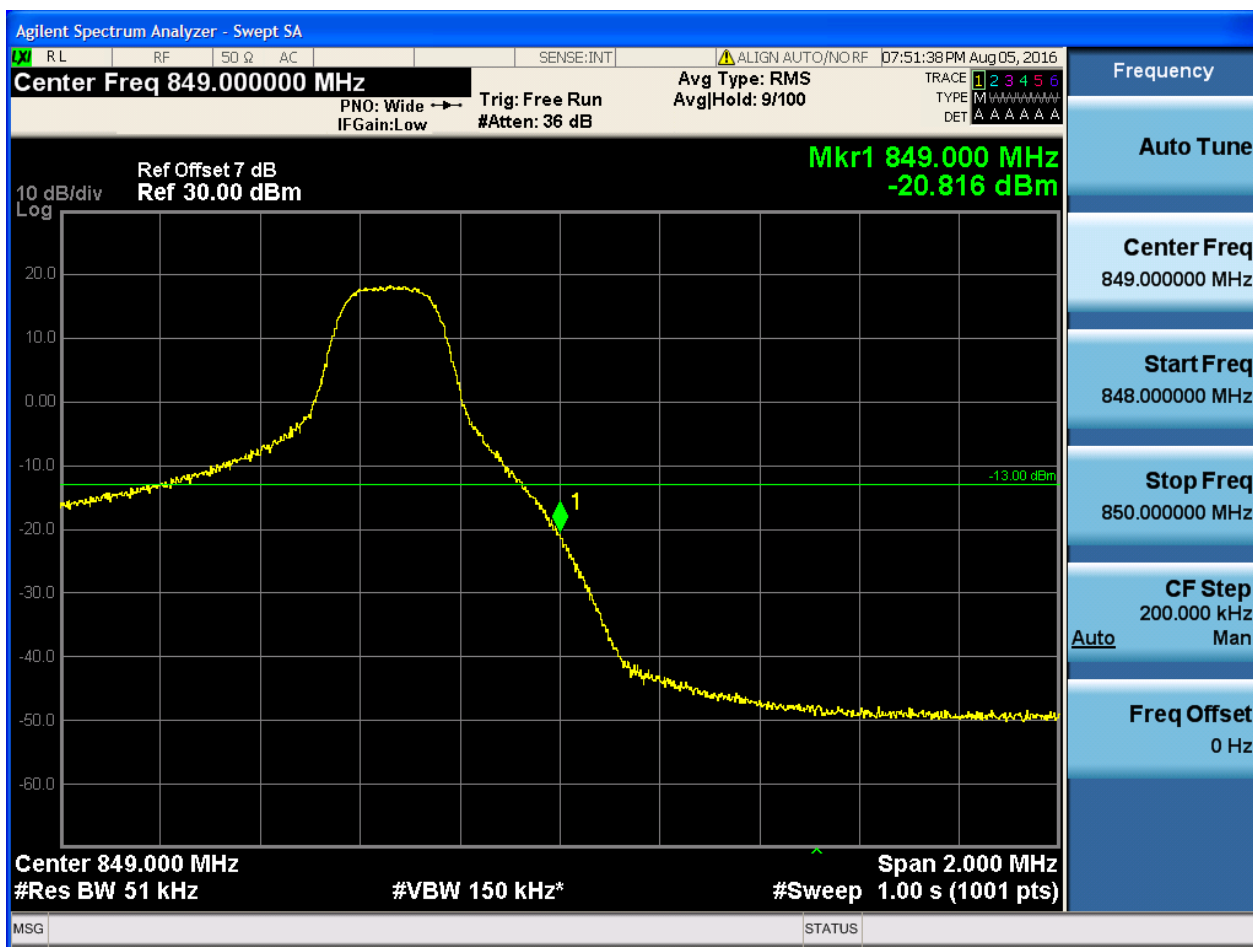
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24



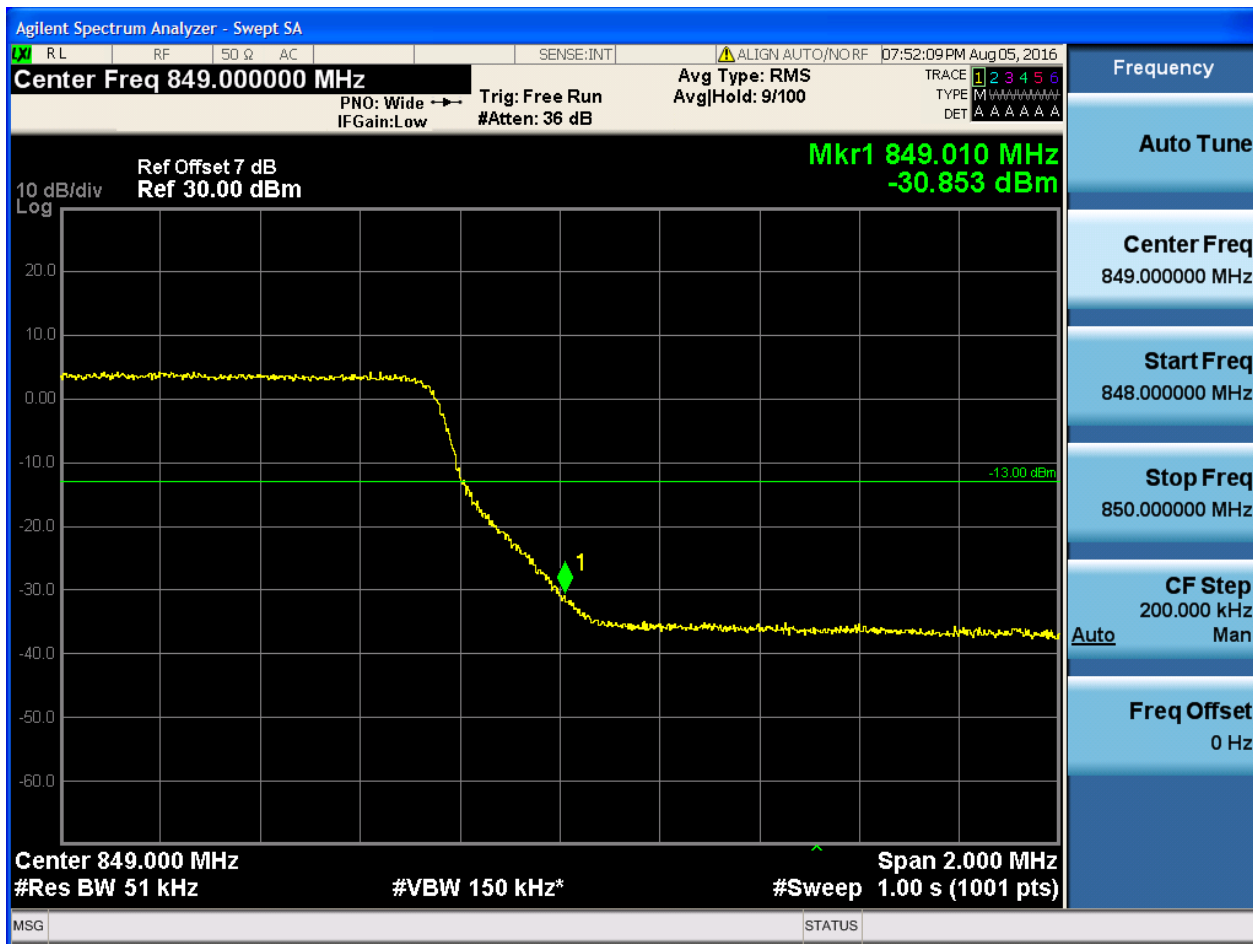


5.1.1.1.3.2.3 Test RB = RB12#6





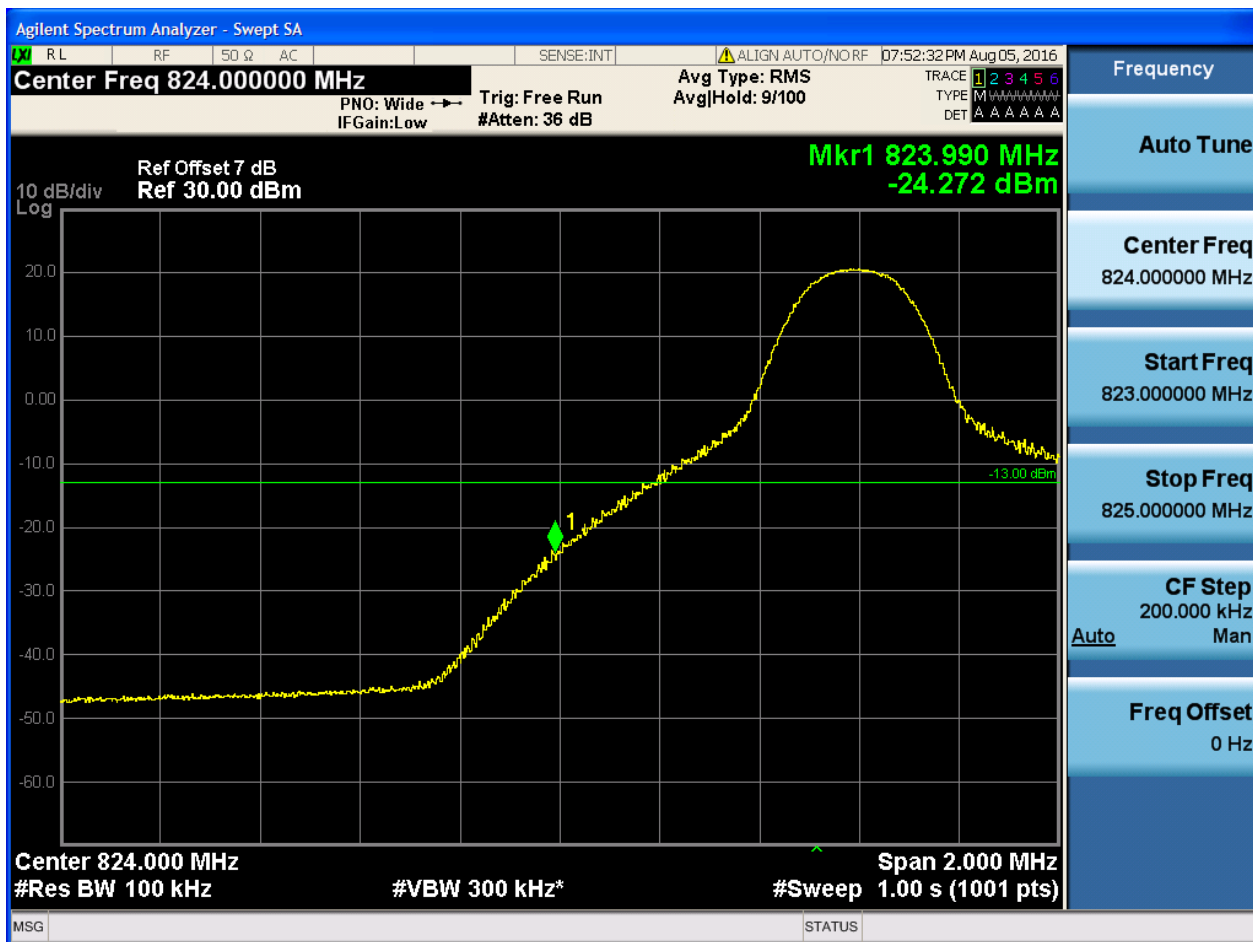
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

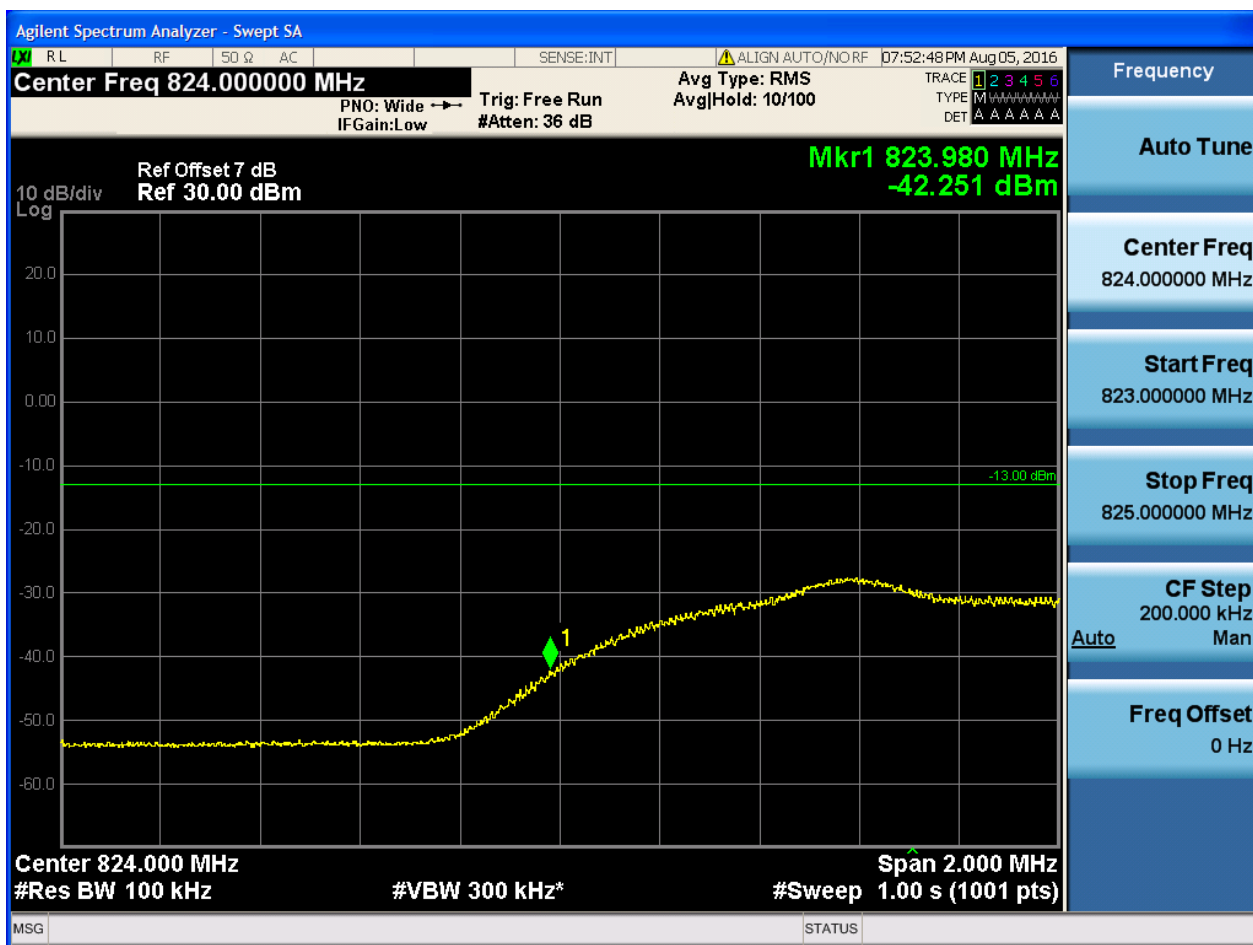
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



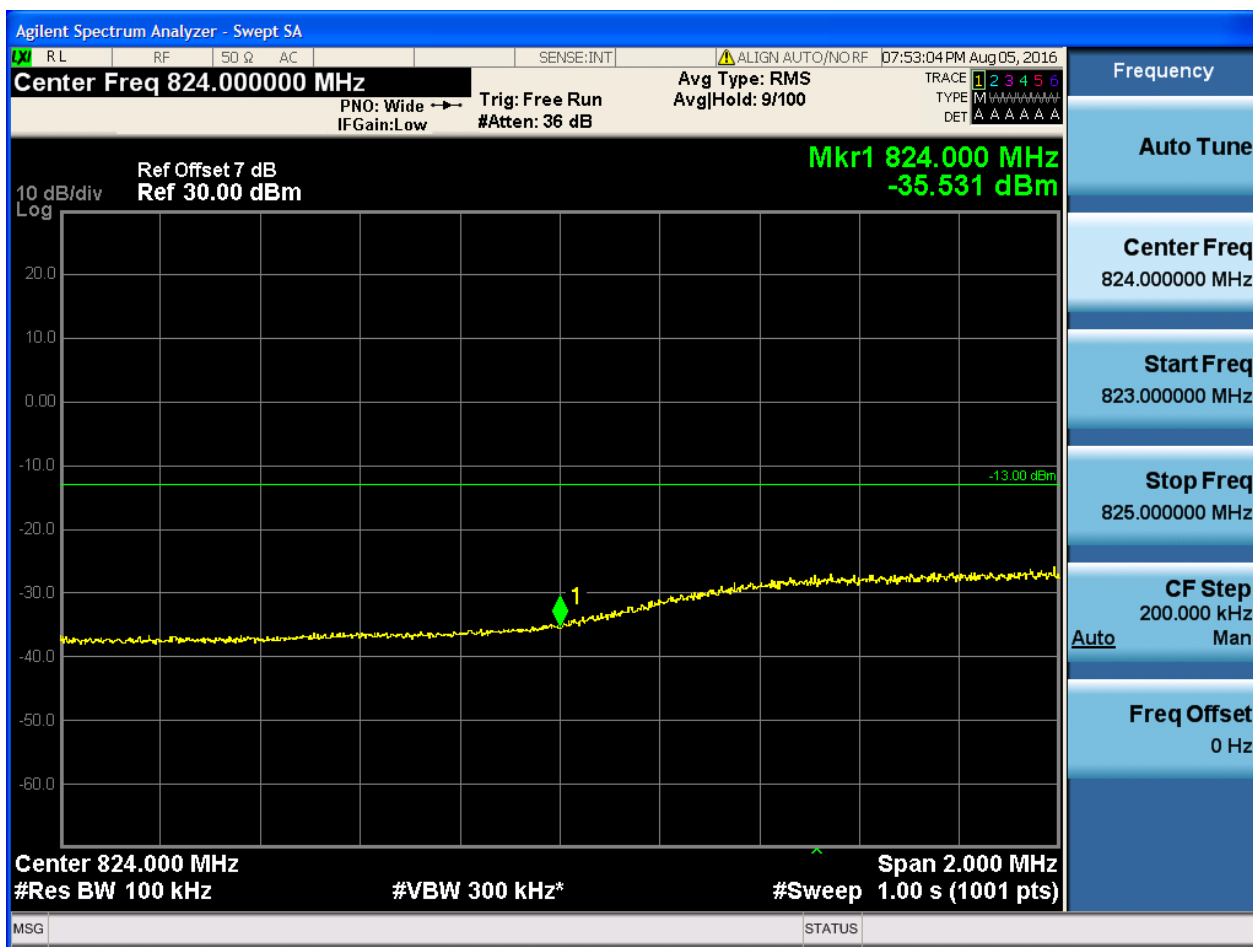


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13



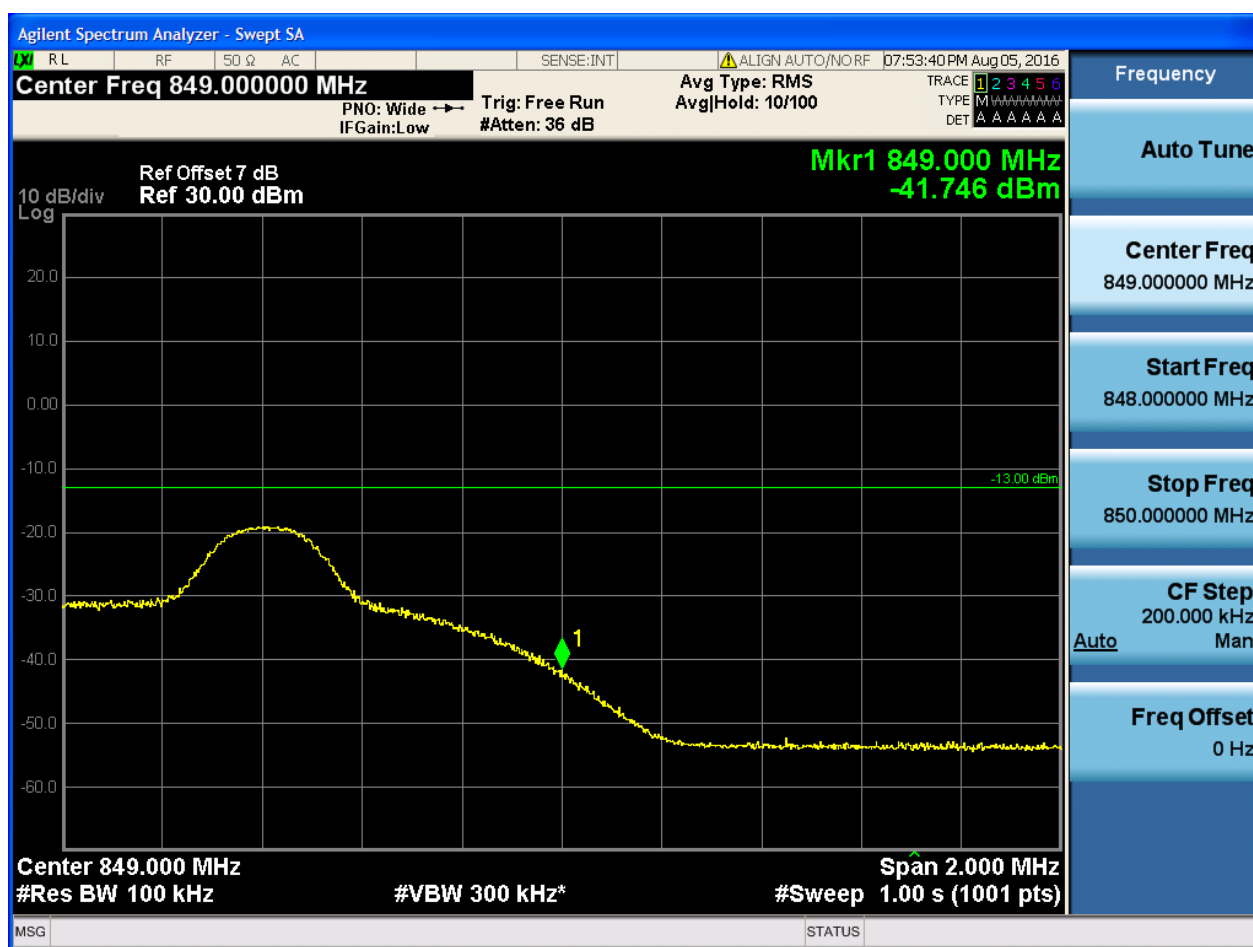


5.1.1.1.4.1.4 Test RB = RB50#0



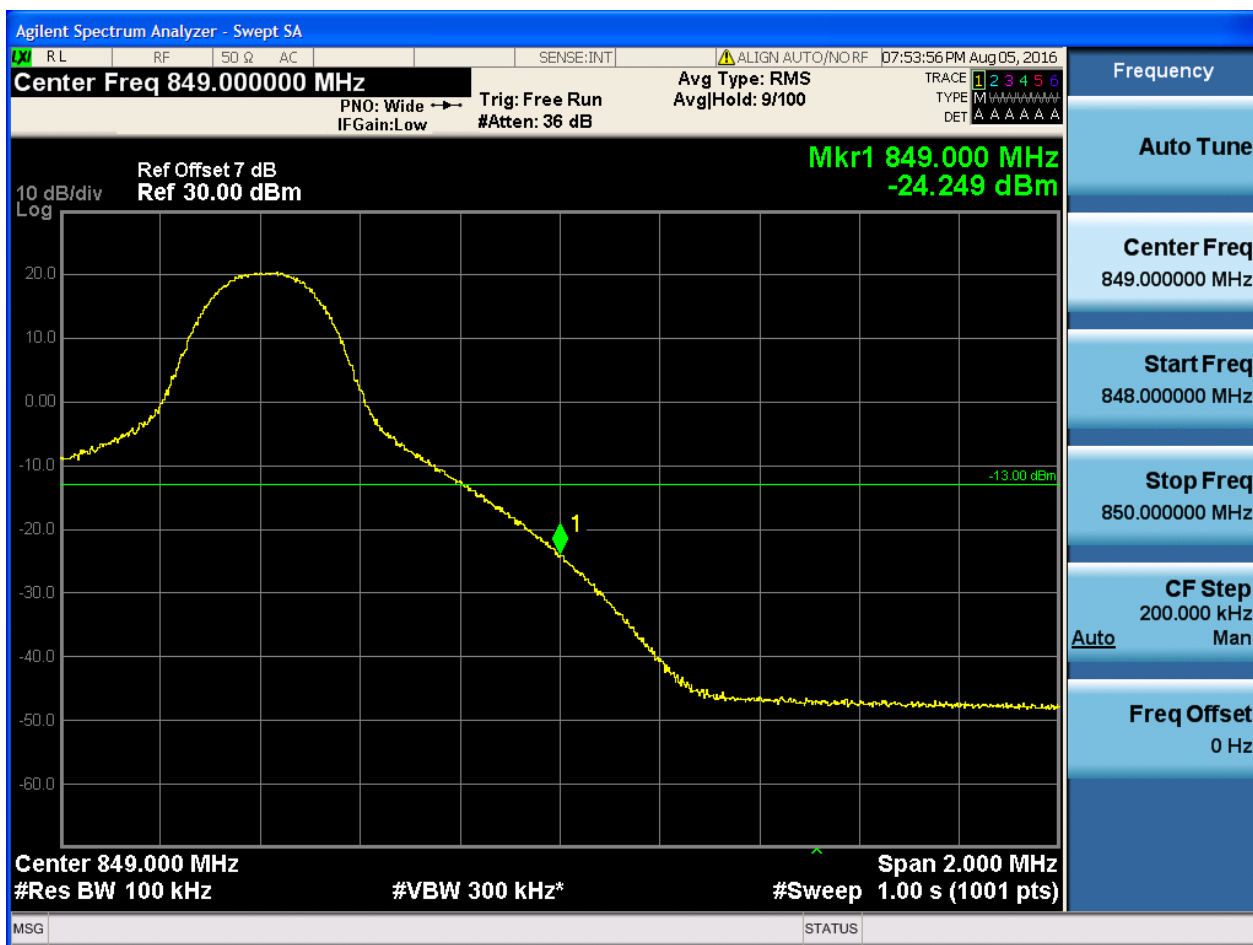
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0



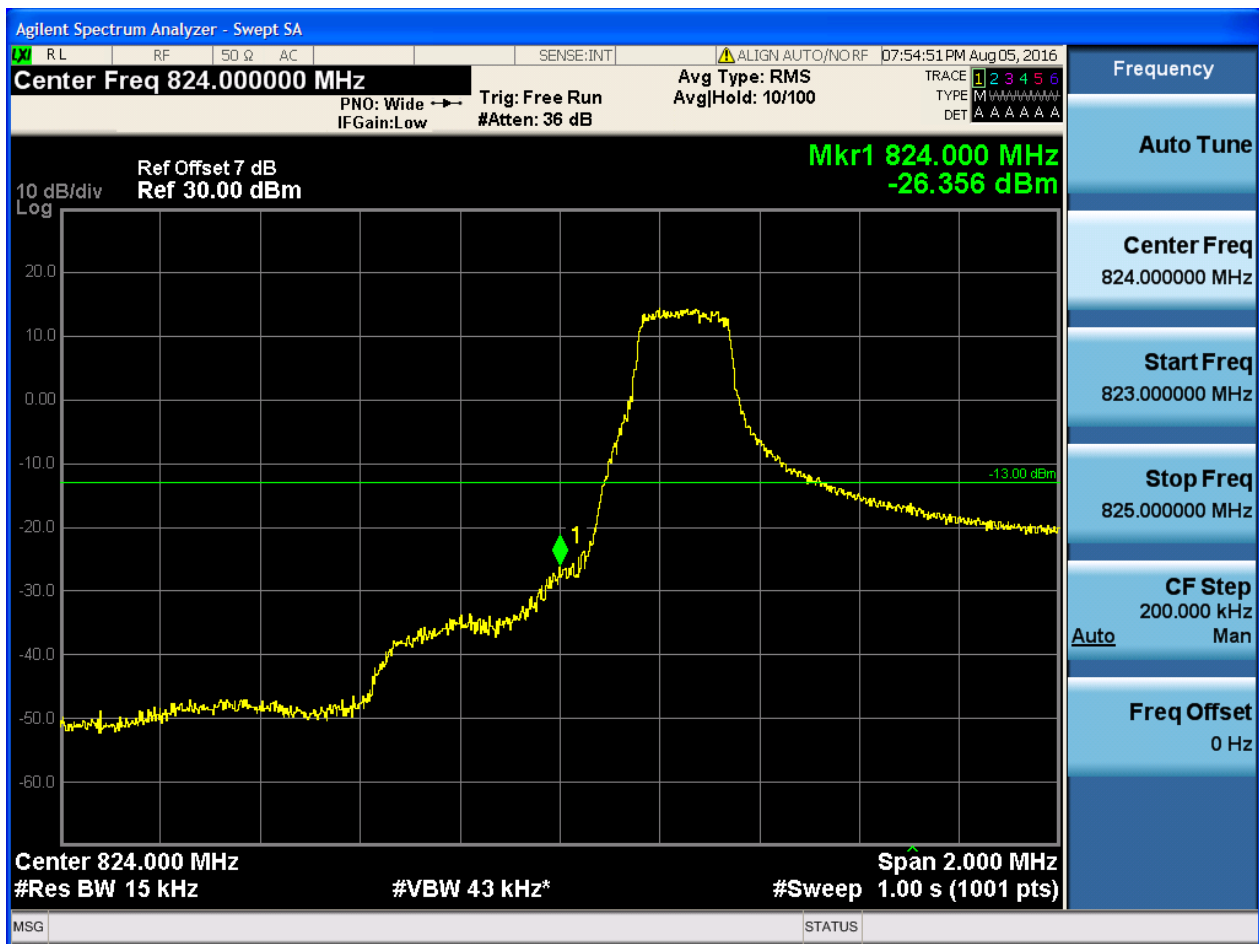


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



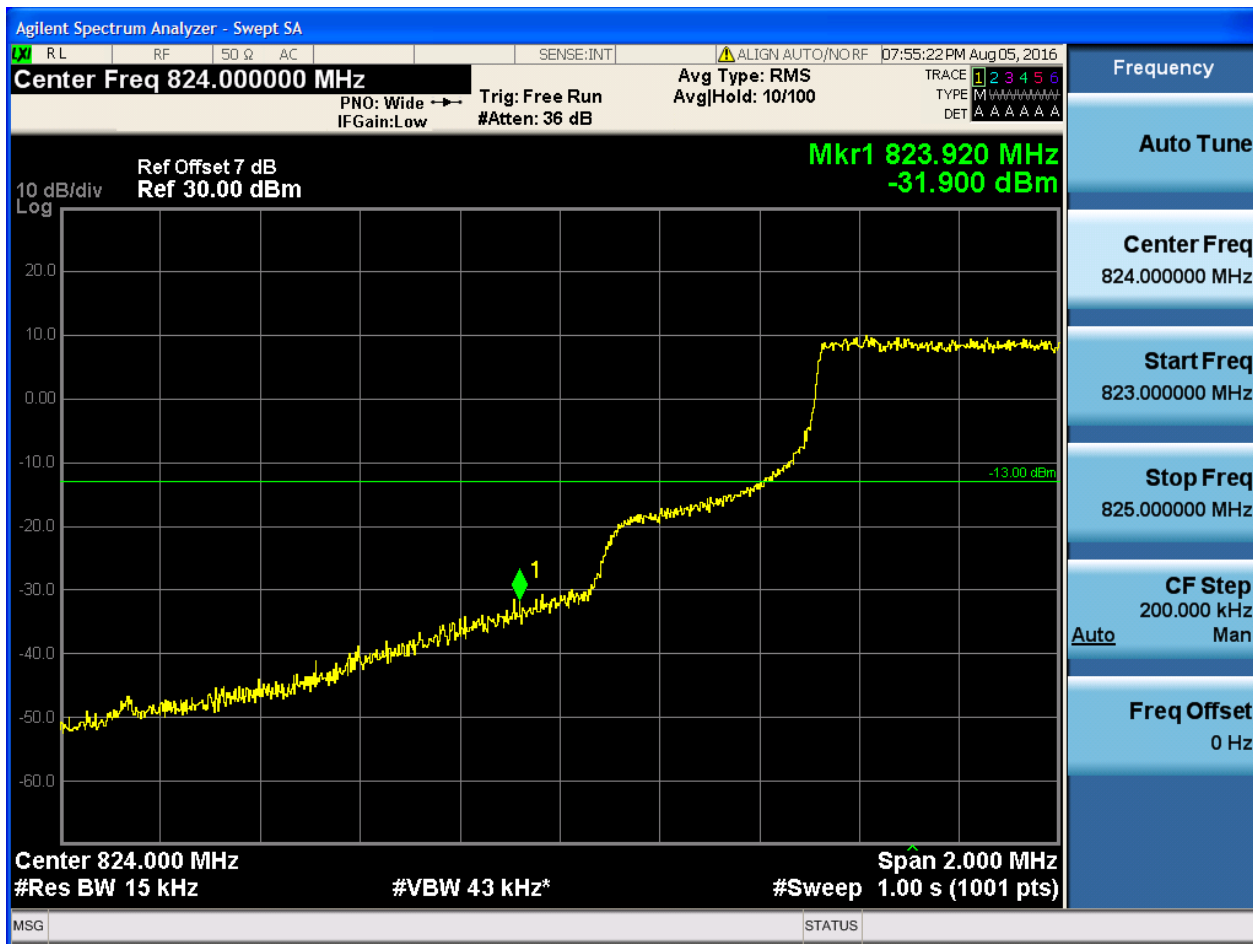


5.1.1.2.1.1.2 Test RB = RB1#5



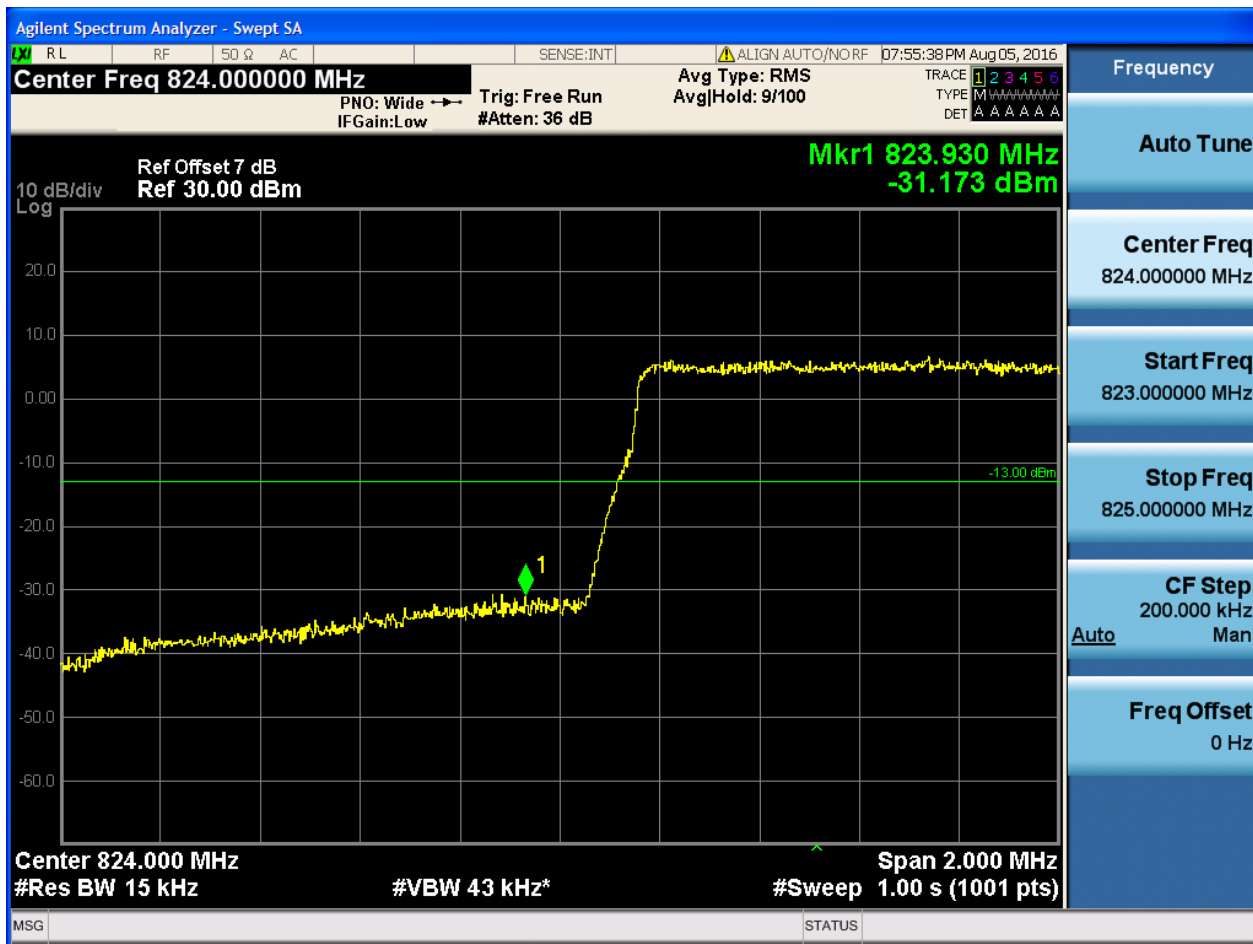


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0



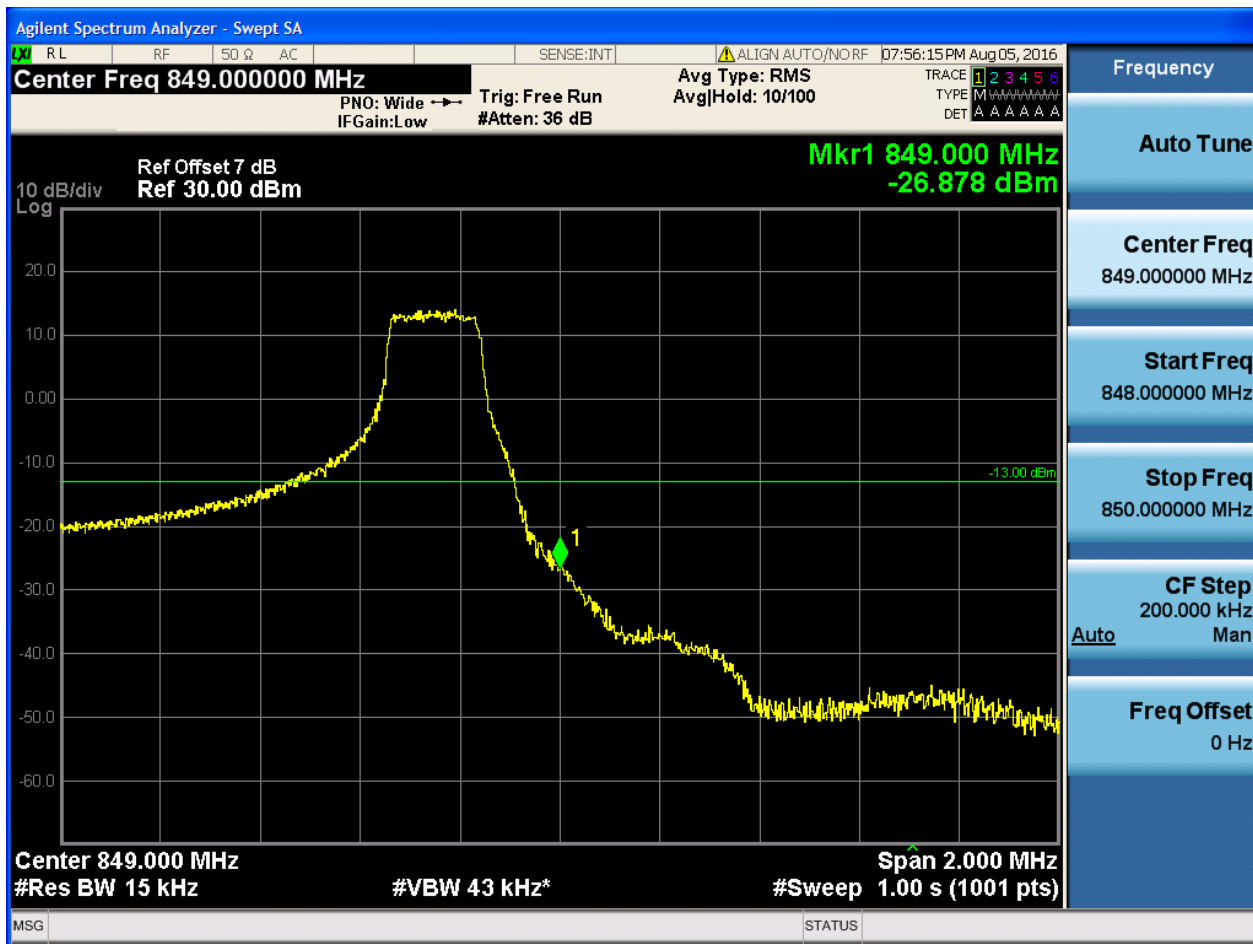
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5



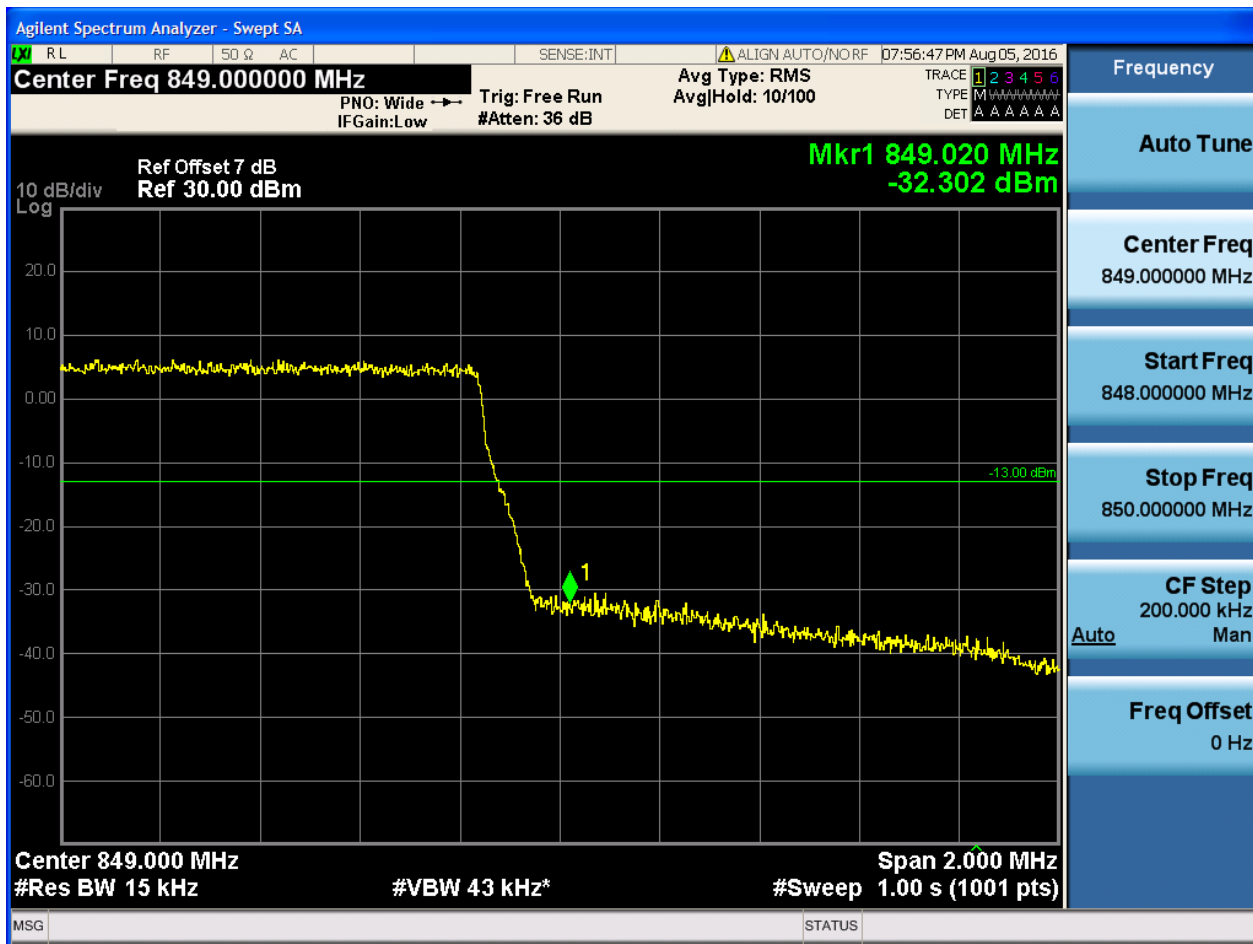


5.1.1.2.1.2.3 Test RB = RB3#2



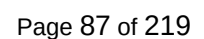


5.1.1.2.1.2.4 Test RB = RB6#0



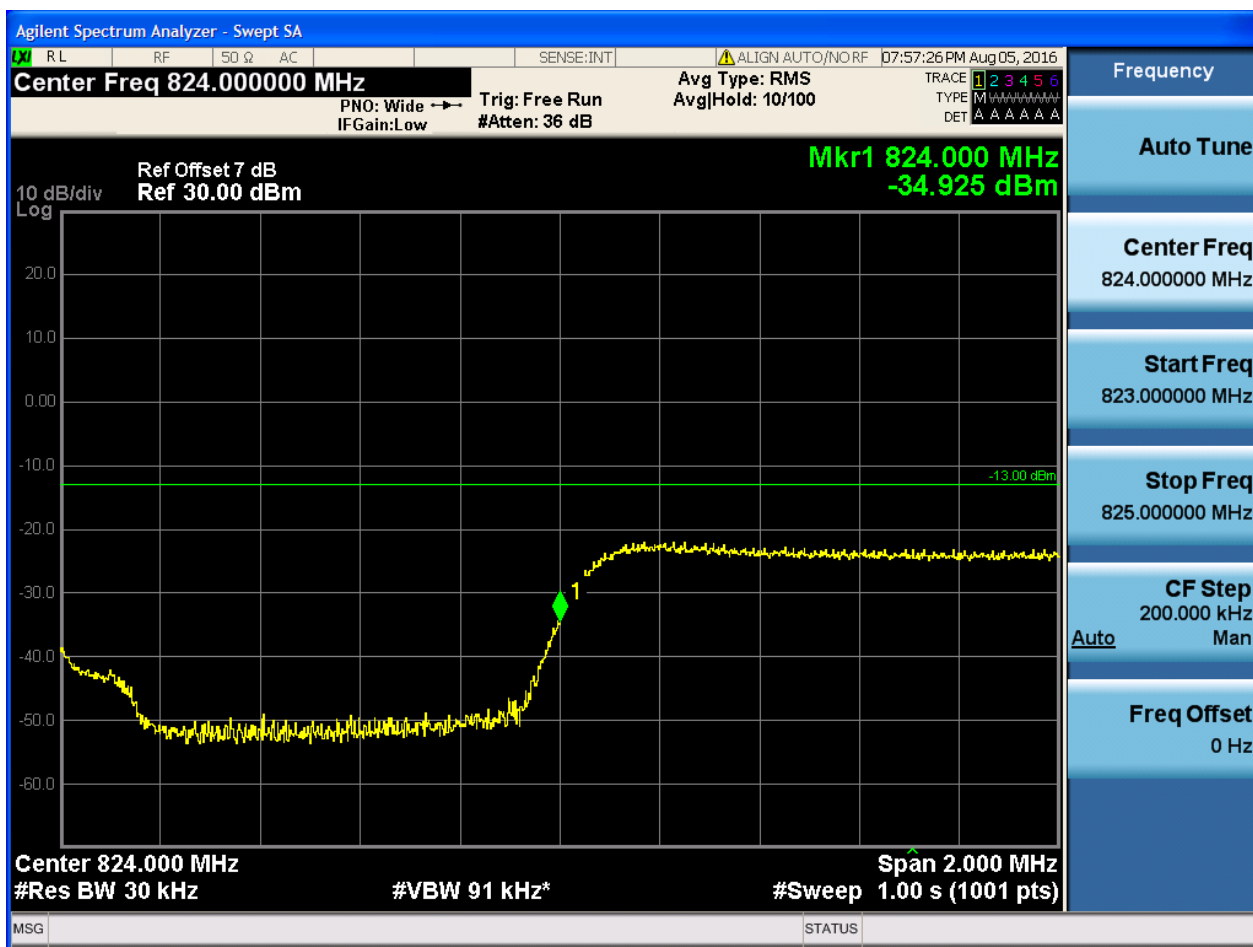


5.1.1.2.2.1.1 Test RB = RB1#0



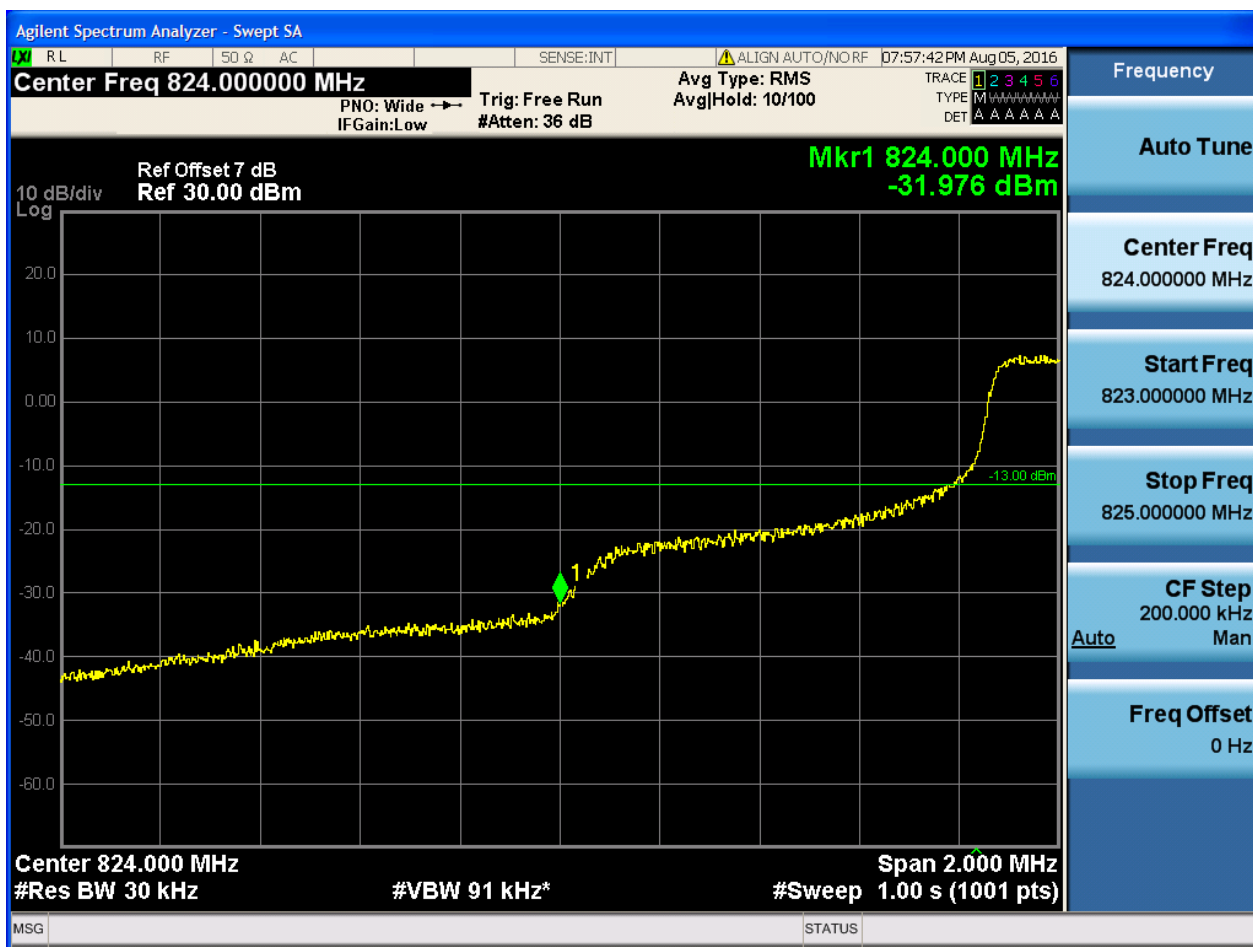


5.1.1.2.2.1.2 Test RB = RB1#14



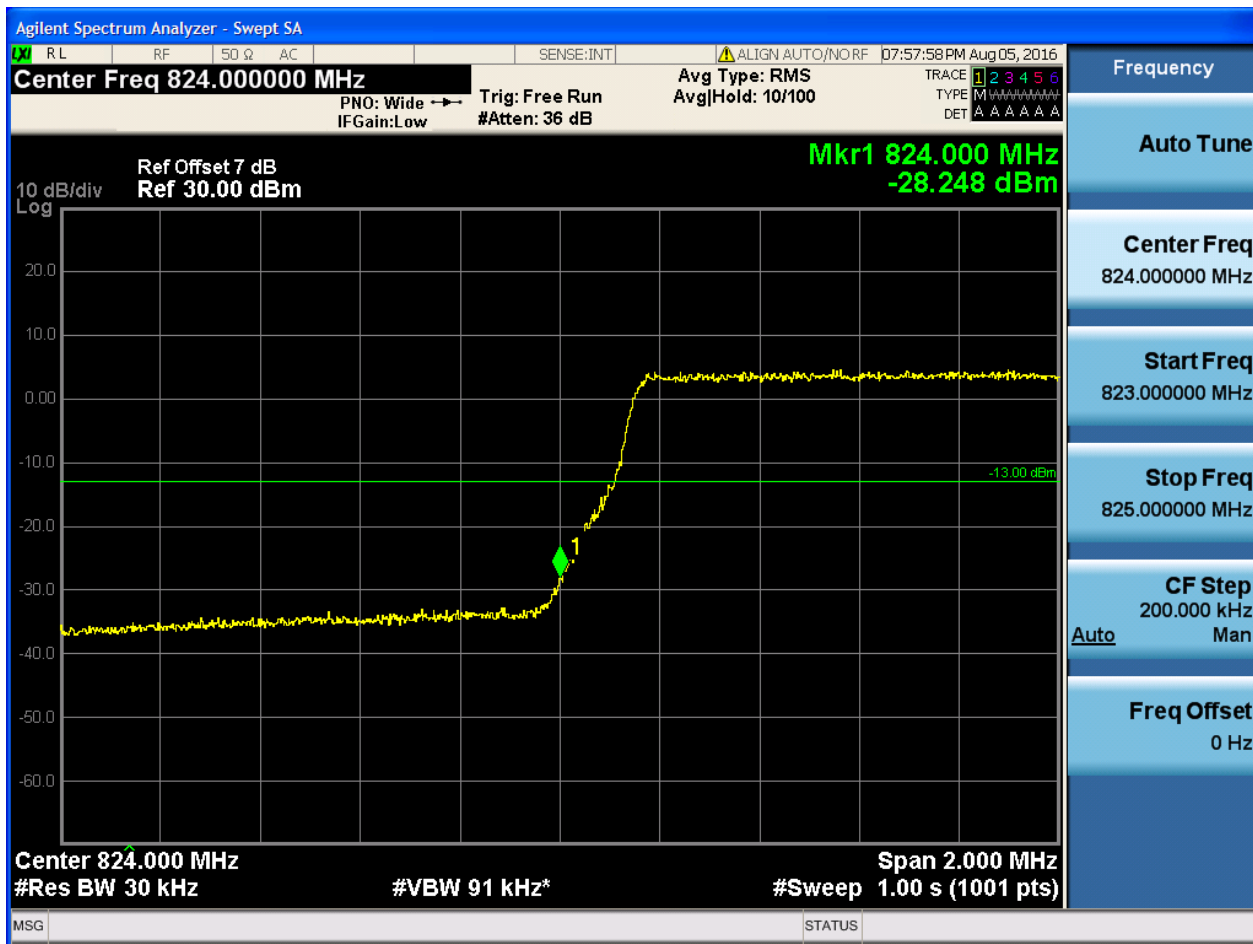


5.1.1.2.2.1.3 Test RB = RB8#4





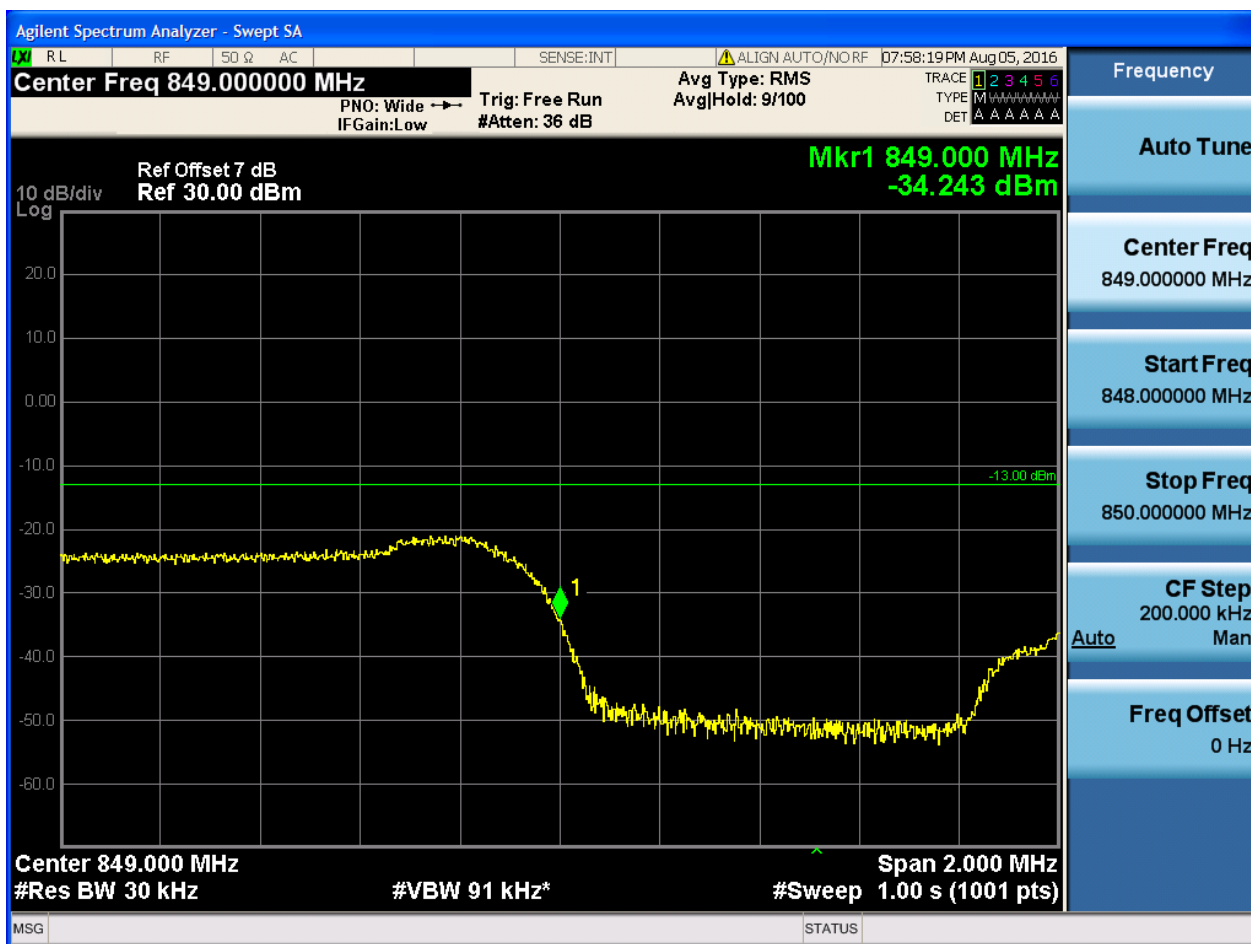
5.1.1.2.2.1.4 Test RB = RB15#0





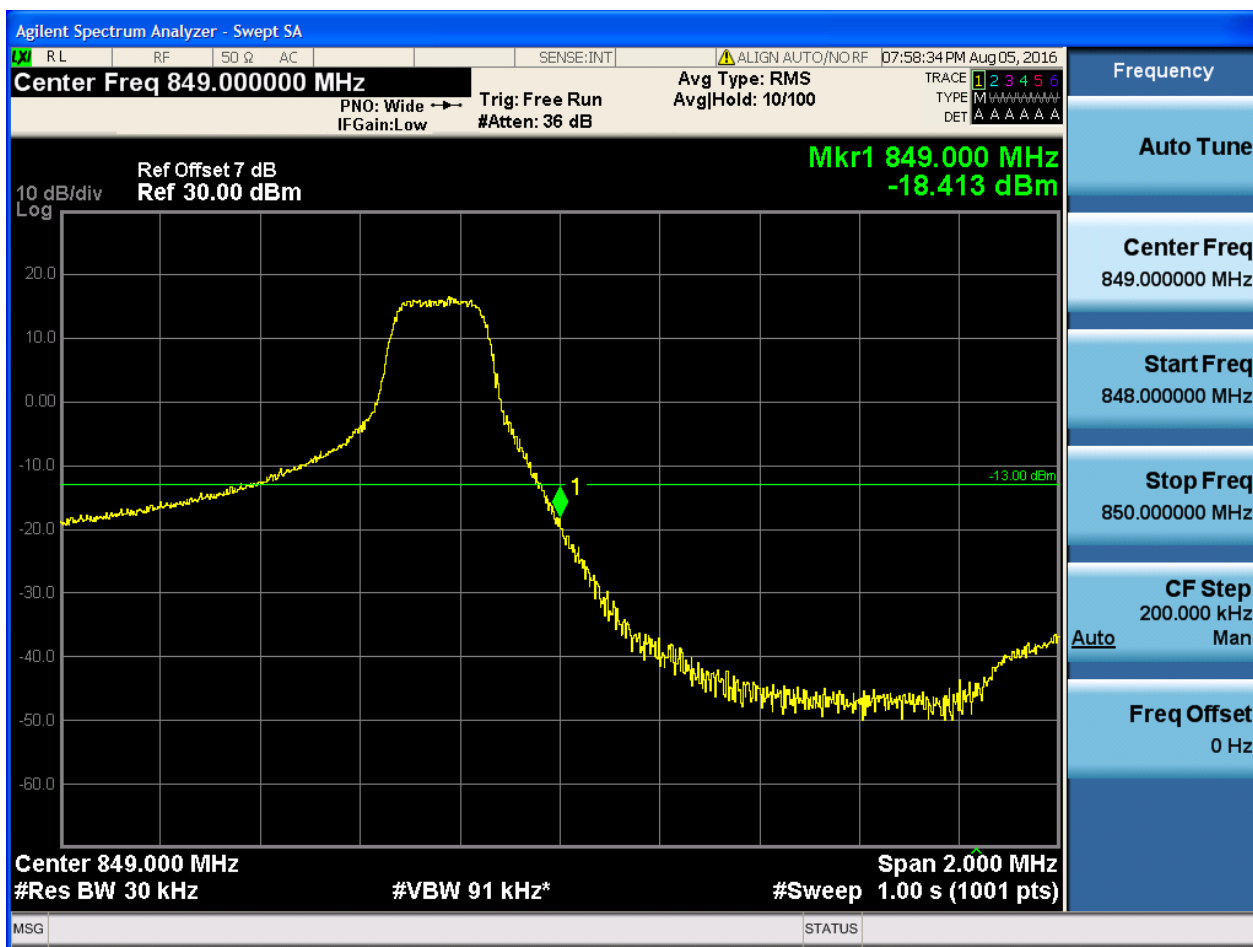
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





5.1.1.2.2.3 Test RB = RB8#4





5.1.1.2.2.4 Test RB = RB15#0

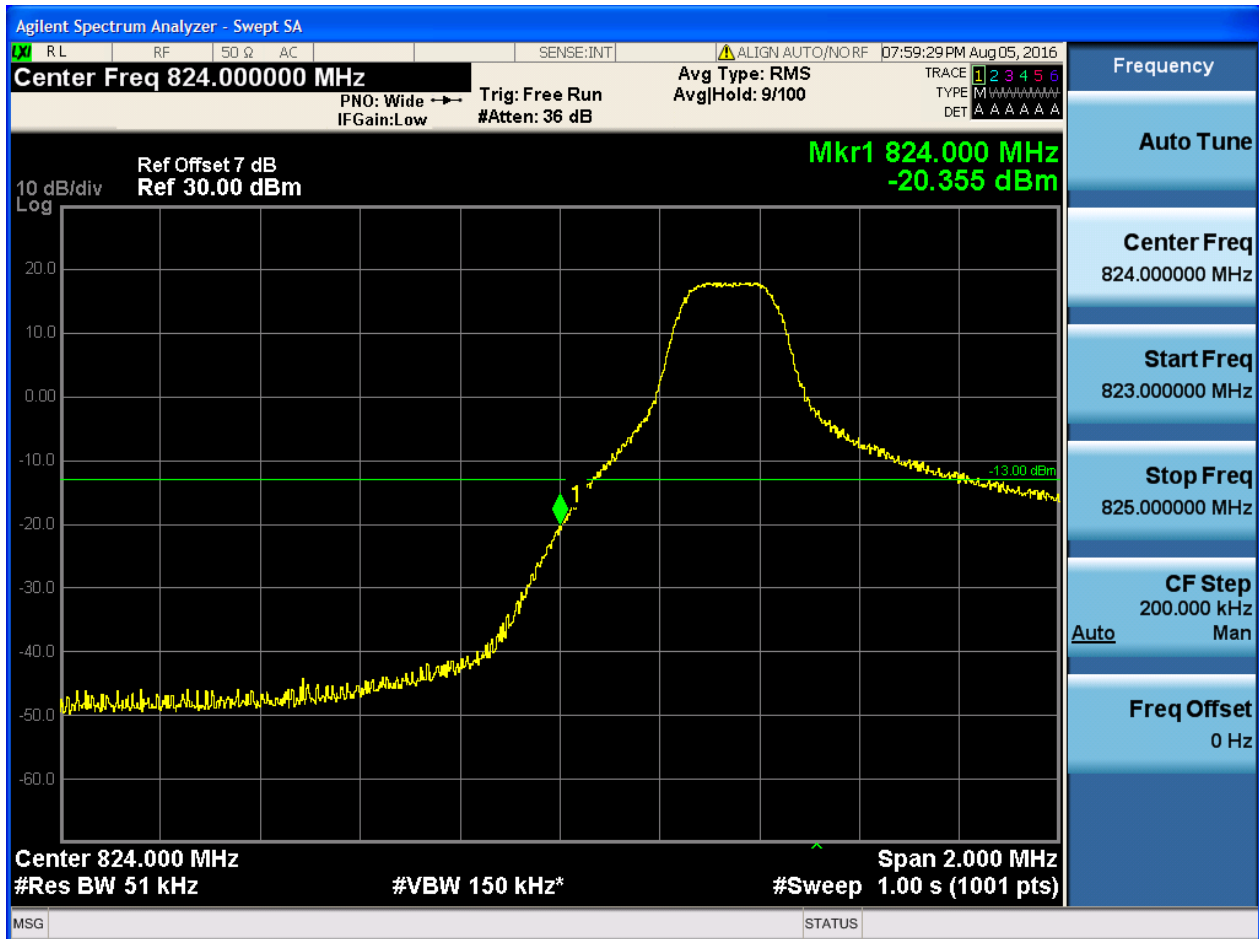




5.1.1.2.3 Test Bandwidth = 5

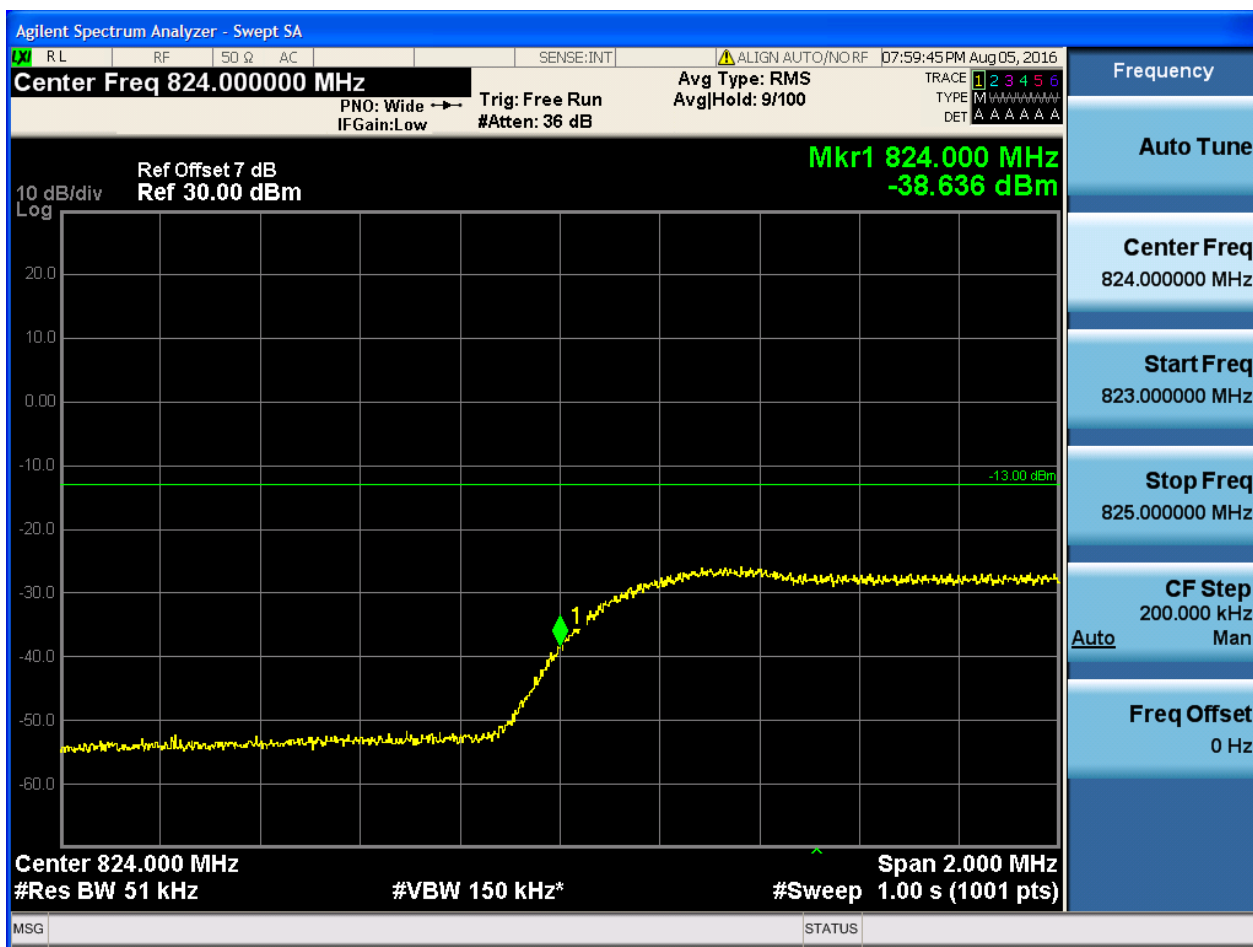
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg|Hold: 9/100

ALIGN AUTO/NORF

08:00:00 PM Aug 05, 2016

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

Mkr1 823.990 MHz
-33.534 dBm

-13.00 dBm

Center 824.000 MHz
#Res BW 51 kHz

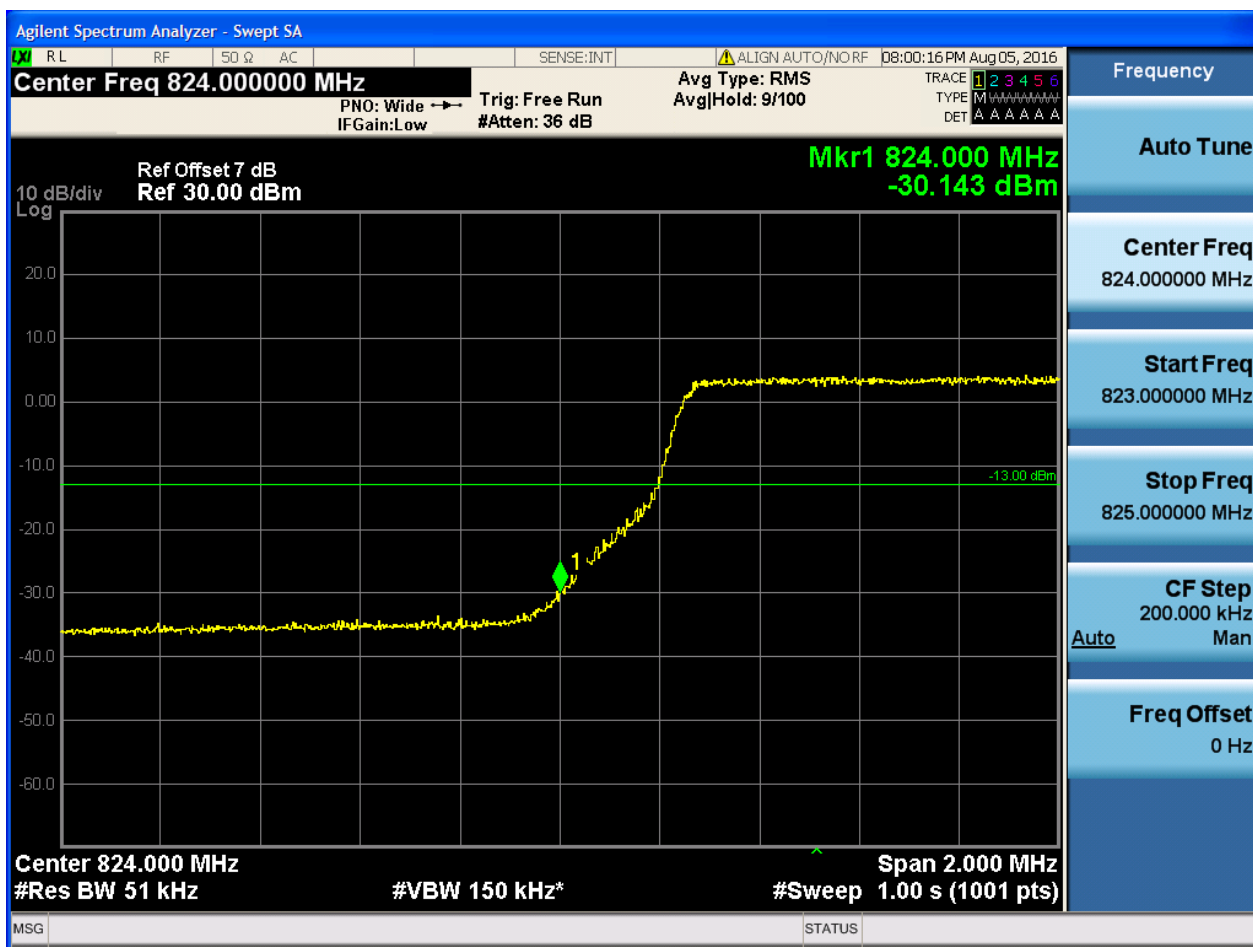
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG STATUS



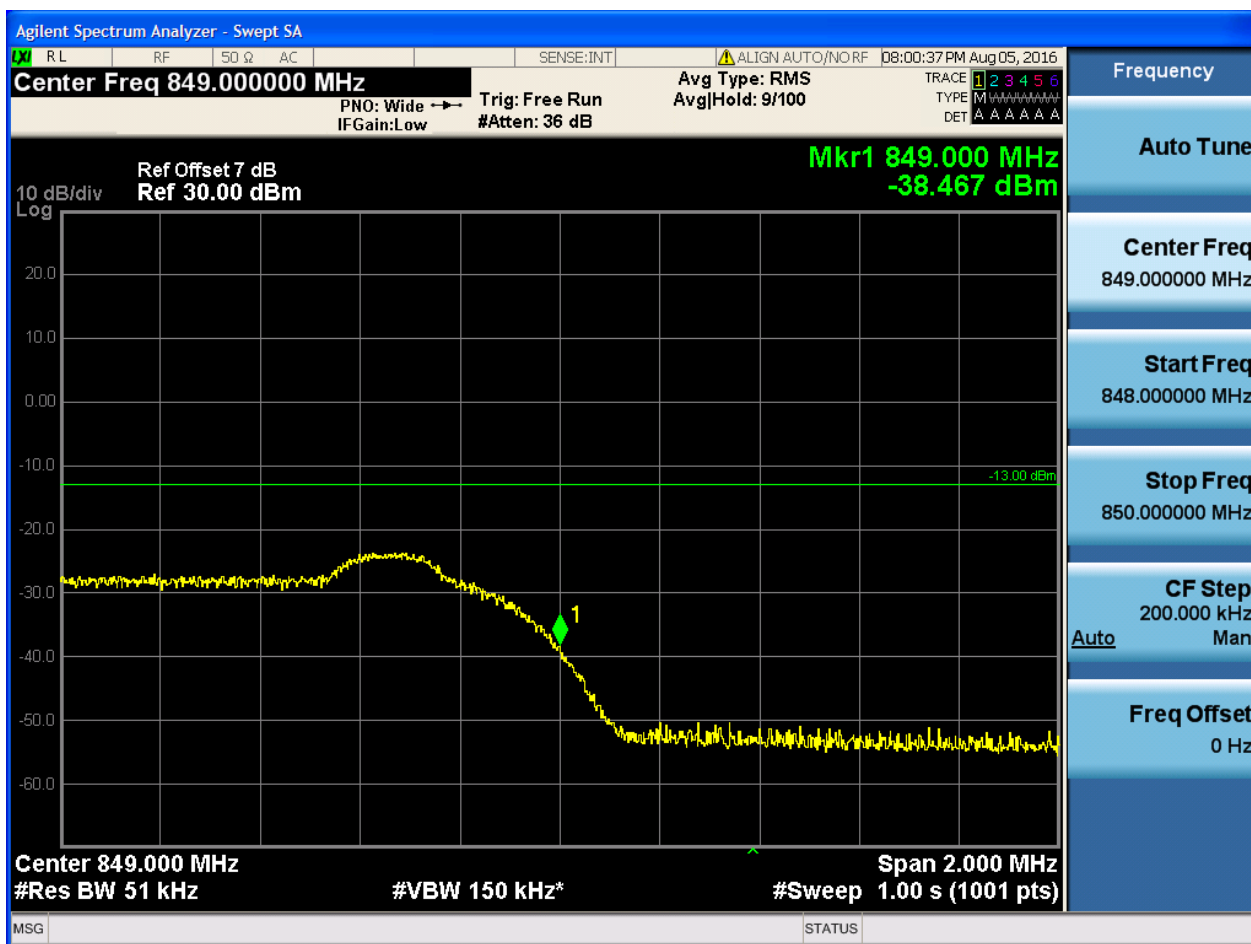
5.1.1.2.3.1.4 Test RB = RB25#0





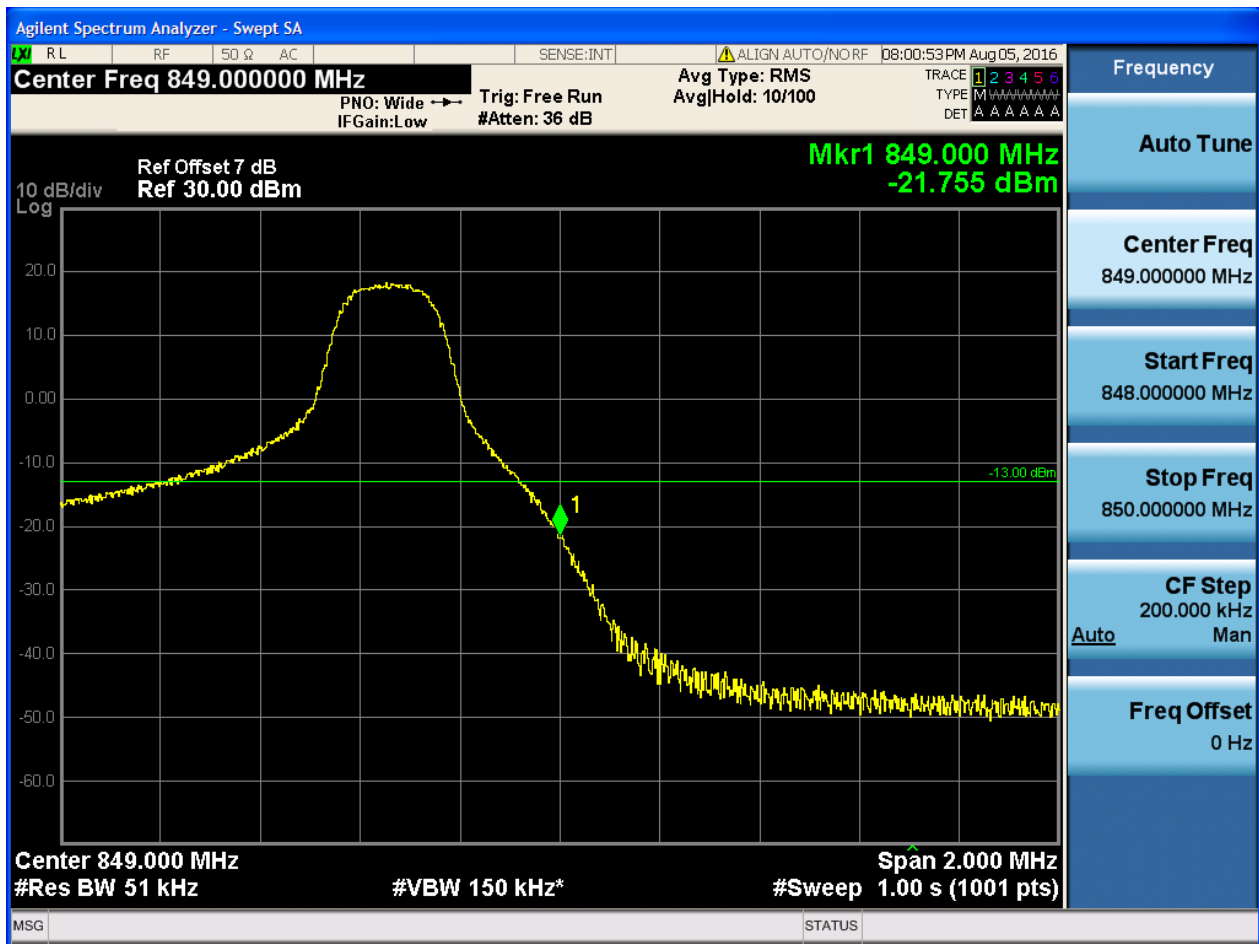
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#24





5.1.1.2.3.2.3 Test RB = RB12#6





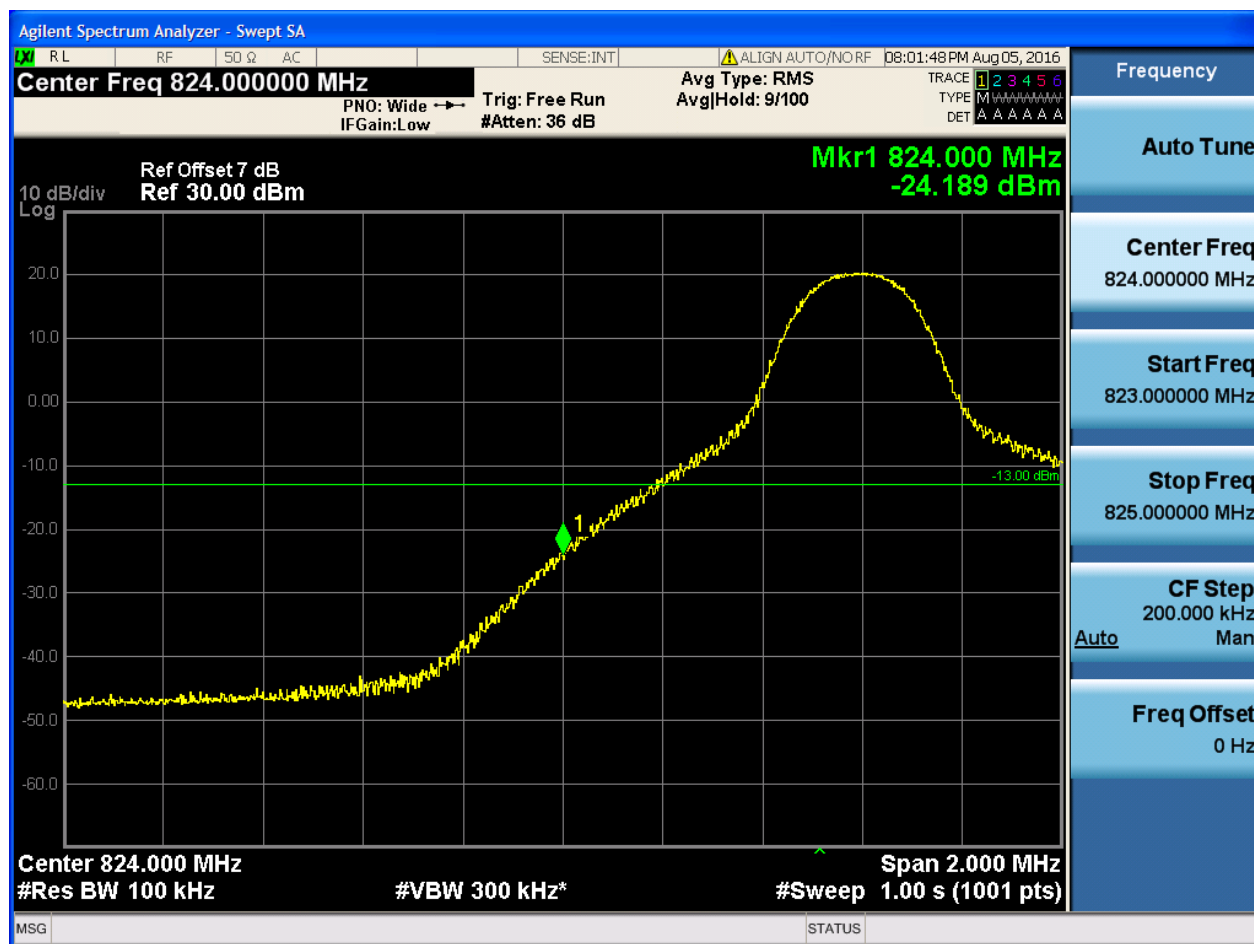
5.1.1.2.3.2.4 Test RB = RB25#0



5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





5.1.1.2.4.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg|Hold: 9/100

ALIGN AUTO/NORF

08:02:19 PM Aug 05, 2016

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

Mkr1 823.990 MHz
-34.510 dBm

-13.00 dBm

1

Center 824.000 MHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG STATUS

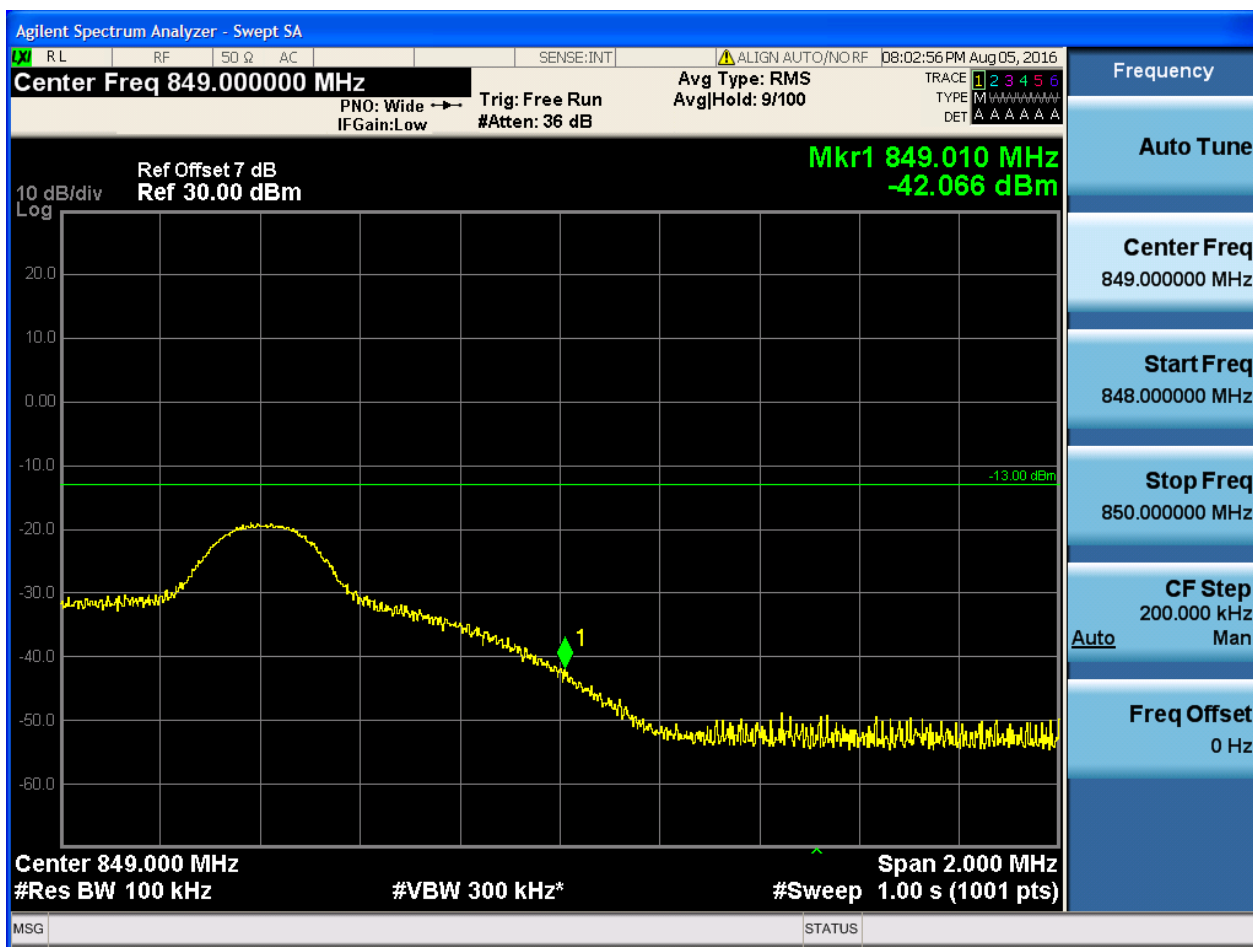


5.1.1.2.4.1.4 Test RB = RB50#0



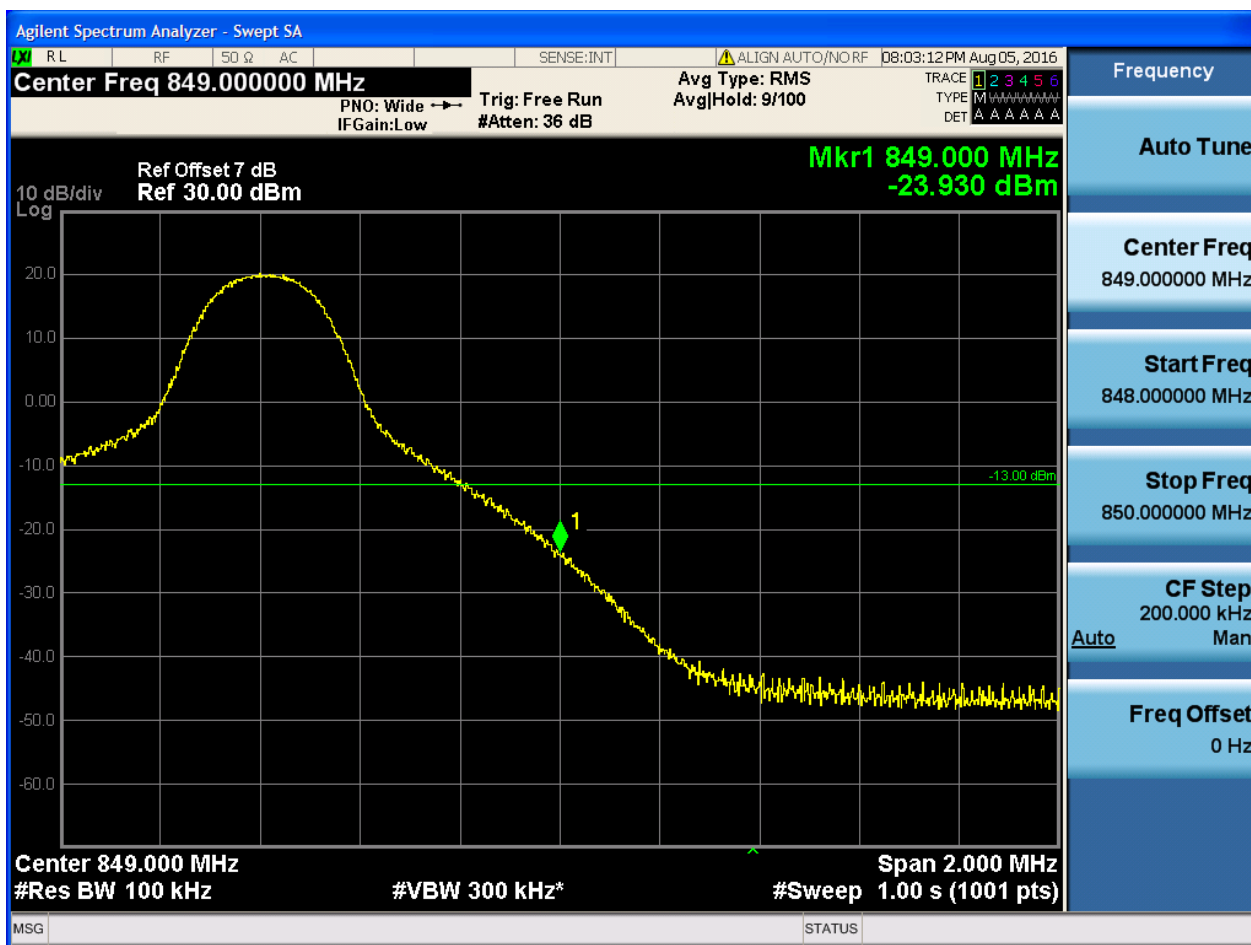
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0





5.1.1.2.4.2.2 Test RB = RB1#49





5.1.1.2.4.2.3 Test RB = RB25#13





5.1.1.2.4.2.4 Test RB = RB50#0



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

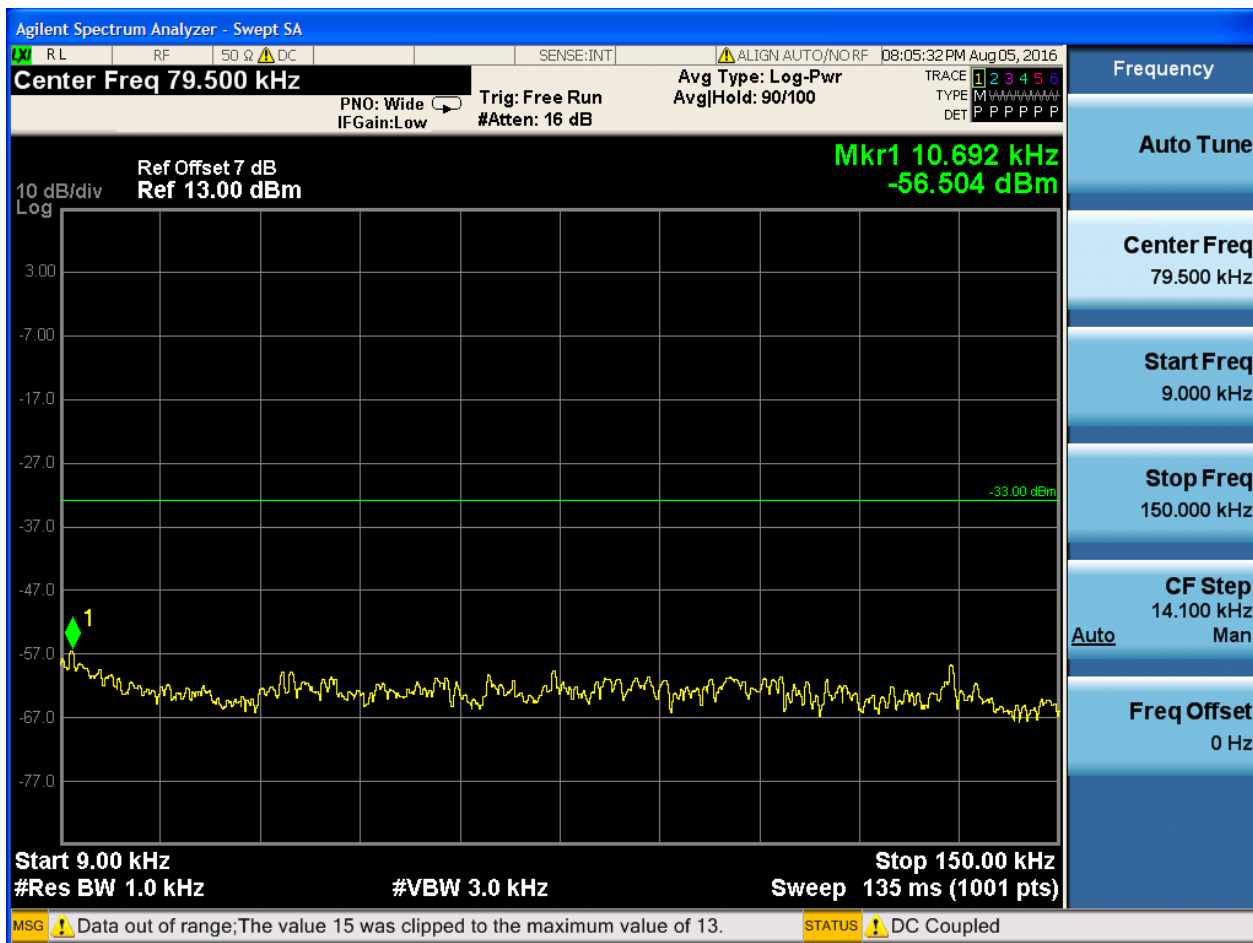
6.1.1 Test Band = BAND5

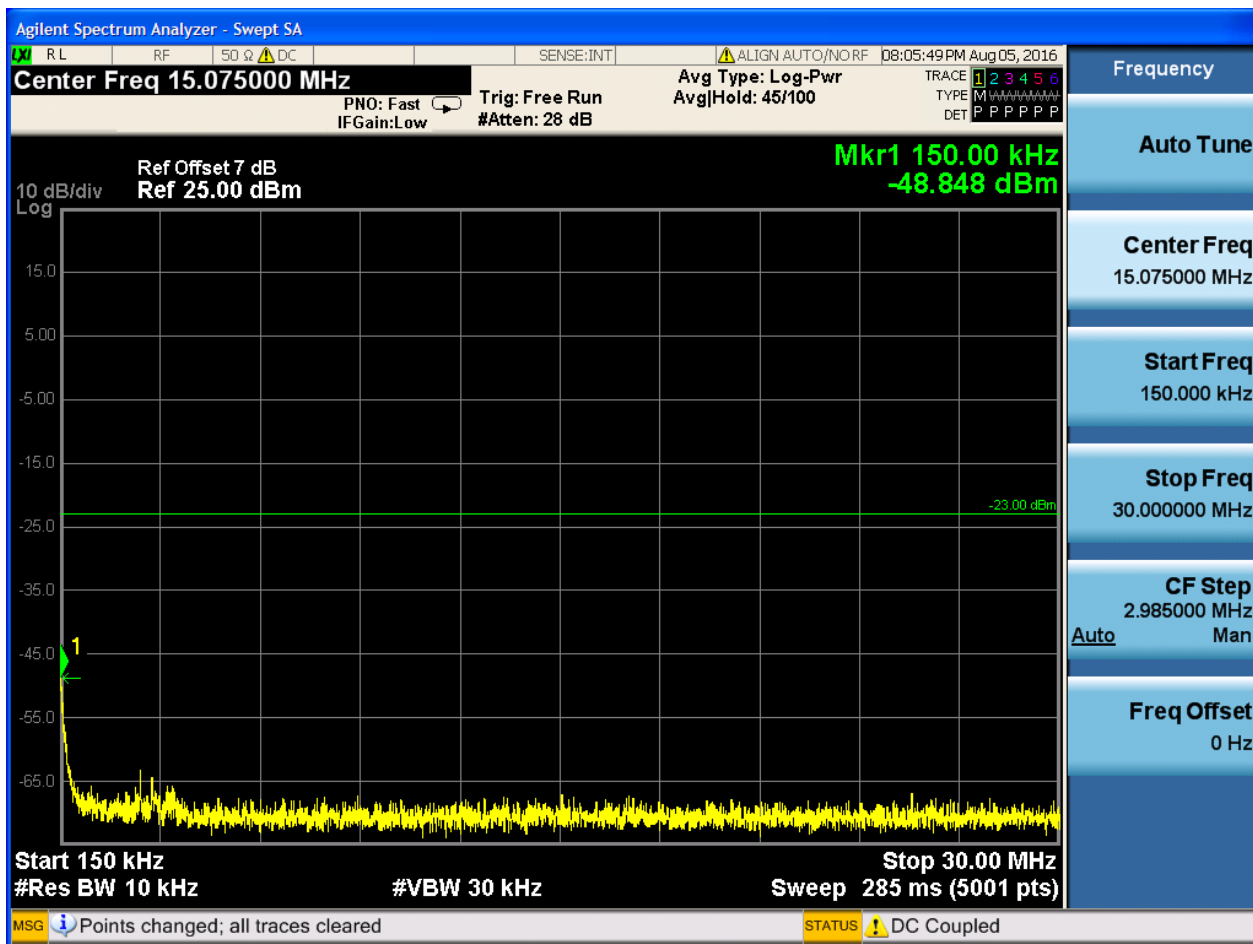
6.1.1.1 Test Mode = LTE/TM1

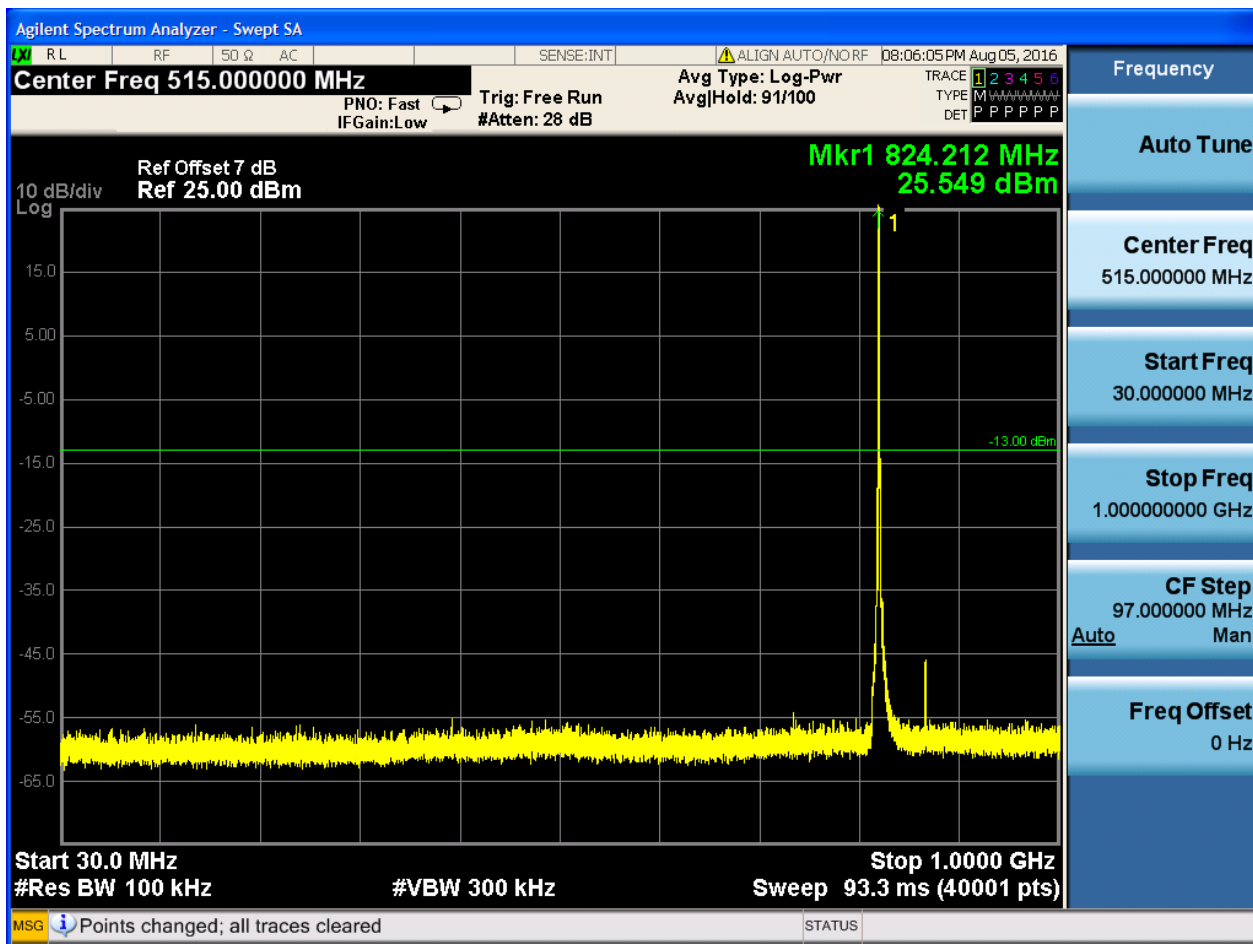
6.1.1.1.1 Test Bandwidth = 1.4

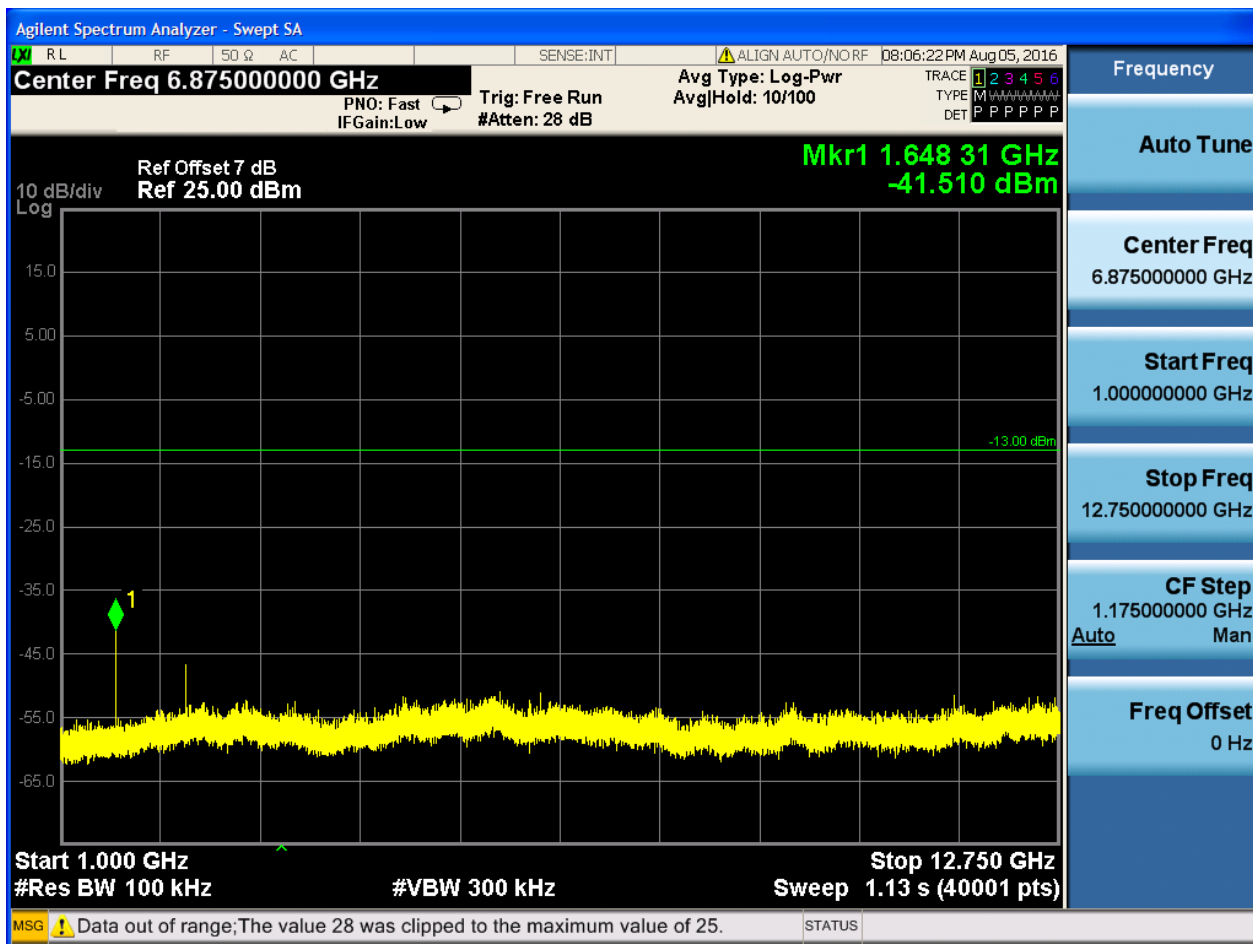
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0









6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

