



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	21.2	14.85	38.5	PASS
				RB1#3	21.2	14.85	38.5	PASS
				RB1#5	21.15	14.8	38.5	PASS
				RB3#0	20.12	13.77	38.5	PASS
				RB3#2	20.12	13.77	38.5	PASS
				RB3#3	20.13	13.78	38.5	PASS
				RB6#0	20.08	13.73	38.5	PASS
			MCH	RB1#0	21.11	14.76	38.5	PASS
				RB1#3	21.12	14.77	38.5	PASS
				RB1#5	21.07	14.72	38.5	PASS
				RB3#0	20.15	13.8	38.5	PASS
				RB3#2	20.16	13.81	38.5	PASS
				RB3#3	20.11	13.76	38.5	PASS
				RB6#0	20.09	13.74	38.5	PASS
			HCH	RB1#0	21.03	14.68	38.5	PASS
				RB1#3	21	14.65	38.5	PASS
				RB1#5	20.99	14.64	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB3#0	20.09	13.74	38.5	PASS
				RB3#2	20.1	13.75	38.5	PASS
				RB3#3	20.08	13.73	38.5	PASS
				RB6#0	20.03	13.68	38.5	PASS
		3	LCH	RB1#0	21.1	14.75	38.5	PASS
				RB1#7	21.13	14.78	38.5	PASS
				RB1#14	21.14	14.79	38.5	PASS
				RB8#0	20.11	13.76	38.5	PASS
				RB8#4	20.12	13.77	38.5	PASS
				RB8#7	20.12	13.77	38.5	PASS
				RB15#0	20.12	13.77	38.5	PASS
			MCH	RB1#0	21.02	14.67	38.5	PASS
				RB1#7	21.06	14.71	38.5	PASS
				RB1#14	21.03	14.68	38.5	PASS
				RB8#0	20.12	13.77	38.5	PASS
				RB8#4	20.12	13.77	38.5	PASS
				RB8#7	20.08	13.73	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.12	13.77	38.5	PASS
			HCH	RB1#0	21.05	14.7	38.5	PASS
				RB1#7	21.09	14.74	38.5	PASS
				RB1#14	21.04	14.69	38.5	PASS
				RB8#0	20.05	13.7	38.5	PASS
				RB8#4	20.02	13.67	38.5	PASS
				RB8#7	20.05	13.7	38.5	PASS
				RB15#0	20.07	13.72	38.5	PASS
		5	LCH	RB1#0	21.16	14.81	38.5	PASS
				RB1#13	21.16	14.81	38.5	PASS
				RB1#24	21.09	14.74	38.5	PASS
				RB12#0	20.2	13.85	38.5	PASS
				RB12#6	20.23	13.88	38.5	PASS
				RB12#13	20.19	13.84	38.5	PASS
				RB25#0	20.24	13.89	38.5	PASS
			MCH	RB1#0	21.07	14.72	38.5	PASS
				RB1#13	21.13	14.78	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#24	21.1	14.75	38.5	PASS
				RB12#0	20.11	13.76	38.5	PASS
				RB12#6	20.12	13.77	38.5	PASS
				RB12#13	20.12	13.77	38.5	PASS
				RB25#0	20.12	13.77	38.5	PASS
			HCH	RB1#0	21.11	14.76	38.5	PASS
				RB1#13	21.08	14.73	38.5	PASS
				RB1#24	21.09	14.74	38.5	PASS
				RB12#0	20.1	13.75	38.5	PASS
				RB12#6	20.1	13.75	38.5	PASS
				RB12#13	20.09	13.74	38.5	PASS
				RB25#0	20.12	13.77	38.5	PASS
		10	LCH	RB1#0	21.19	14.84	38.5	PASS
				RB1#25	21.16	14.81	38.5	PASS
				RB1#49	21.11	14.76	38.5	PASS
				RB25#0	20.13	13.78	38.5	PASS
				RB25#13	20.11	13.76	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.06	13.71	38.5	PASS
				RB50#0	20.09	13.74	38.5	PASS
			MCH	RB1#0	21.11	14.76	38.5	PASS
				RB1#25	21.11	14.76	38.5	PASS
				RB1#49	21.09	14.74	38.5	PASS
				RB25#0	20.1	13.75	38.5	PASS
				RB25#13	20.12	13.77	38.5	PASS
				RB25#25	20.09	13.74	38.5	PASS
				RB50#0	20.1	13.75	38.5	PASS
			HCH	RB1#0	21.11	14.76	38.5	PASS
				RB1#25	21.04	14.69	38.5	PASS
				RB1#49	21.09	14.74	38.5	PASS
				RB25#0	20.02	13.67	38.5	PASS
				RB25#13	20.05	13.7	38.5	PASS
				RB25#25	20.09	13.74	38.5	PASS
				RB50#0	20.05	13.7	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.33	13.98	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#3	20.3	13.95	38.5	PASS
				RB1#5	20.24	13.89	38.5	PASS
				RB3#0	19.13	12.78	38.5	PASS
				RB3#2	19.12	12.77	38.5	PASS
				RB3#3	19.09	12.74	38.5	PASS
				RB6#0	19.02	12.67	38.5	PASS
			MCH	RB1#0	20.19	13.84	38.5	PASS
				RB1#3	20.18	13.83	38.5	PASS
				RB1#5	20.14	13.79	38.5	PASS
				RB3#0	19.11	12.76	38.5	PASS
				RB3#2	19.1	12.75	38.5	PASS
				RB3#3	19.08	12.73	38.5	PASS
				RB6#0	19.11	12.76	38.5	PASS
			HCH	RB1#0	20.63	14.28	38.5	PASS
				RB1#3	20.61	14.26	38.5	PASS
				RB1#5	20.56	14.21	38.5	PASS
				RB3#0	19.14	12.79	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB3#2	19.15	12.8	38.5	PASS
				RB3#3	19.14	12.79	38.5	PASS
				RB6#0	19.07	12.72	38.5	PASS
		3	LCH	RB1#0	20.47	14.12	38.5	PASS
				RB1#7	20.44	14.09	38.5	PASS
				RB1#14	20.37	14.02	38.5	PASS
				RB8#0	19.04	12.69	38.5	PASS
				RB8#4	19.05	12.7	38.5	PASS
				RB8#7	19.05	12.7	38.5	PASS
				RB15#0	19.07	12.72	38.5	PASS
			MCH	RB1#0	20.28	13.93	38.5	PASS
				RB1#7	20.33	13.98	38.5	PASS
				RB1#14	20.26	13.91	38.5	PASS
				RB8#0	19.11	12.76	38.5	PASS
				RB8#4	19.11	12.76	38.5	PASS
				RB8#7	19.08	12.73	38.5	PASS
				RB15#0	19.13	12.78	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	20.1	13.75	38.5	PASS
				RB1#7	20.16	13.81	38.5	PASS
				RB1#14	20.13	13.78	38.5	PASS
				RB8#0	19.14	12.79	38.5	PASS
				RB8#4	19.15	12.8	38.5	PASS
				RB8#7	19.18	12.83	38.5	PASS
				RB15#0	19.06	12.71	38.5	PASS
		5	LCH	RB1#0	20.48	14.13	38.5	PASS
				RB1#13	20.42	14.07	38.5	PASS
				RB1#24	20.36	14.01	38.5	PASS
				RB12#0	19.13	12.78	38.5	PASS
				RB12#6	19.16	12.81	38.5	PASS
				RB12#13	19.11	12.76	38.5	PASS
				RB25#0	19.15	12.8	38.5	PASS
			MCH	RB1#0	20.22	13.87	38.5	PASS
				RB1#13	20.27	13.92	38.5	PASS
				RB1#24	20.14	13.79	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#0	19.06	12.71	38.5	PASS
				RB12#6	19.04	12.69	38.5	PASS
				RB12#13	19.03	12.68	38.5	PASS
				RB25#0	19.09	12.74	38.5	PASS
			HCH	RB1#0	20.08	13.73	38.5	PASS
				RB1#13	20.11	13.76	38.5	PASS
				RB1#24	20.18	13.83	38.5	PASS
				RB12#0	19.03	12.68	38.5	PASS
				RB12#6	19.11	12.76	38.5	PASS
				RB12#13	19.1	12.75	38.5	PASS
				RB25#0	19.1	12.75	38.5	PASS
		10	LCH	RB1#0	20.69	14.34	38.5	PASS
				RB1#25	20.59	14.24	38.5	PASS
				RB1#49	20.61	14.26	38.5	PASS
				RB25#0	19.08	12.73	38.5	PASS
				RB25#13	19.05	12.7	38.5	PASS
				RB25#25	19.02	12.67	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	19.07	12.72	38.5	PASS
				RB1#0	20.41	14.06	38.5	PASS
			MCH	RB1#25	20.39	14.04	38.5	PASS
				RB1#49	20.27	13.92	38.5	PASS
				RB25#0	19.1	12.75	38.5	PASS
				RB25#13	19.11	12.76	38.5	PASS
				RB25#25	19.07	12.72	38.5	PASS
				RB50#0	19.1	12.75	38.5	PASS
			HCH	RB1#0	20.13	13.78	38.5	PASS
				RB1#25	20.08	13.73	38.5	PASS
				RB1#49	20.23	13.88	38.5	PASS
				RB25#0	18.96	12.61	38.5	PASS
				RB25#13	19.01	12.66	38.5	PASS
				RB25#25	19.08	12.73	38.5	PASS
				RB50#0	19.02	12.67	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:

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

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

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

$$\text{SET Sweep time} = \text{auto-couple.}$$

Detector:RMS



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	1.4	LCH	RB1#0	3.28	13	PASS
				RB1#3	3.28	13	PASS
				RB1#5	3.31	13	PASS
				RB3#0	4.05	13	PASS
				RB3#2	3.89	13	PASS
				RB3#3	4.03	13	PASS
				RB6#0	5.87	13	PASS
			MCH	RB1#0	4.1	13	PASS
				RB1#3	4.12	13	PASS
				RB1#5	4.16	13	PASS
				RB3#0	4.95	13	PASS
				RB3#2	4.9	13	PASS
				RB3#3	4.99	13	PASS
				RB6#0	6.56	13	PASS
			HCH	RB1#0	3.35	13	PASS
				RB1#3	3.24	13	PASS
				RB1#5	3.26	13	PASS
				RB3#0	3.88	13	PASS
				RB3#2	3.65	13	PASS
				RB3#3	3.81	13	PASS
				RB6#0	5.29	13	PASS
		3	LCH	RB1#0	3.47	13	PASS
				RB1#7	3.48	13	PASS
				RB1#14	3.57	13	PASS
				RB8#0	5.13	13	PASS
				RB8#4	4.97	13	PASS
				RB8#7	5.16	13	PASS
				RB15#0	5.26	13	PASS
			MCH	RB1#0	4.3	13	PASS
				RB1#7	4.32	13	PASS
				RB1#14	4.37	13	PASS
				RB8#0	5.79	13	PASS
				RB8#4	5.74	13	PASS
				RB8#7	5.78	13	PASS
				RB15#0	5.48	13	PASS
			HCH	RB1#0	3.56	13	PASS
				RB1#7	3.35	13	PASS
				RB1#14	3.28	13	PASS
				RB8#0	5.01	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#4	4.79	13	PASS
				RB8#7	4.84	13	PASS
				RB15#0	5.77	13	PASS
			LCH	RB1#0	3.51	13	PASS
				RB1#13	3.59	13	PASS
				RB1#24	3.75	13	PASS
				RB12#0	5.06	13	PASS
				RB12#6	4.92	13	PASS
				RB12#13	5.21	13	PASS
				RB25#0	5.73	13	PASS
			MCH	RB1#0	4.17	13	PASS
				RB1#13	4.32	13	PASS
				RB1#24	4.34	13	PASS
				RB12#0	5.83	13	PASS
				RB12#6	5.87	13	PASS
				RB12#13	5.95	13	PASS
				RB25#0	6.12	13	PASS
			HCH	RB1#0	3.95	13	PASS
				RB1#13	3.52	13	PASS
				RB1#24	3.27	13	PASS
				RB12#0	5.64	13	PASS
				RB12#6	5.16	13	PASS
				RB12#13	5.23	13	PASS
				RB25#0	5.52	13	PASS
		10	LCH	RB1#0	3.43	13	PASS
				RB1#25	3.73	13	PASS
				RB1#49	4.1	13	PASS
				RB25#0	5.04	13	PASS
				RB25#13	5.16	13	PASS
				RB25#25	5.45	13	PASS
				RB50#0	5.86	13	PASS
			MCH	RB1#0	4	13	PASS
				RB1#25	4.31	13	PASS
				RB1#49	4.25	13	PASS
				RB25#0	5.71	13	PASS
				RB25#13	5.88	13	PASS
				RB25#25	5.91	13	PASS
				RB50#0	6.28	13	PASS
			HCH	RB1#0	4.29	13	PASS
				RB1#25	3.88	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
	LTE/TM2	1.4		RB1#49	3.25	13	PASS
				RB25#0	5.9	13	PASS
				RB25#13	5.56	13	PASS
				RB25#25	5.22	13	PASS
				RB50#0	6.07	13	PASS
			LCH	RB1#0	4.5	13	PASS
				RB1#3	4.47	13	PASS
				RB1#5	4.51	13	PASS
				RB3#0	4.99	13	PASS
				RB3#2	4.86	13	PASS
				RB3#3	5.01	13	PASS
				RB6#0	5.84	13	PASS
			MCH	RB1#0	5.34	13	PASS
				RB1#3	5.33	13	PASS
				RB1#5	5.37	13	PASS
				RB3#0	5.92	13	PASS
				RB3#2	5.89	13	PASS
				RB3#3	5.97	13	PASS
				RB6#0	6.49	13	PASS
			HCH	RB1#0	4.43	13	PASS
				RB1#3	4.34	13	PASS
				RB1#5	4.33	13	PASS
				RB3#0	4.62	13	PASS
				RB3#2	4.43	13	PASS
				RB3#3	4.57	13	PASS
				RB6#0	5.57	13	PASS
		3	LCH	RB1#0	4.53	13	PASS
				RB1#7	4.53	13	PASS
				RB1#14	4.67	13	PASS
				RB8#0	5.72	13	PASS
				RB8#4	5.62	13	PASS
				RB8#7	5.75	13	PASS
				RB15#0	6.33	13	PASS
			MCH	RB1#0	5.42	13	PASS
				RB1#7	5.46	13	PASS
				RB1#14	5.54	13	PASS
				RB8#0	6.53	13	PASS
				RB8#4	6.56	13	PASS
				RB8#7	6.54	13	PASS
				RB15#0	6.82	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.52	13	PASS
				RB1#7	4.31	13	PASS
				RB1#14	4.23	13	PASS
				RB8#0	5.3	13	PASS
				RB8#4	5.12	13	PASS
				RB8#7	5.2	13	PASS
				RB15#0	6.5	13	PASS
		5	LCH	RB1#0	4.56	13	PASS
				RB1#13	4.67	13	PASS
				RB1#24	4.79	13	PASS
				RB12#0	5.73	13	PASS
				RB12#6	5.68	13	PASS
				RB12#13	5.89	13	PASS
				RB25#0	6.63	13	PASS
			MCH	RB1#0	5.21	13	PASS
				RB1#13	5.38	13	PASS
				RB1#24	5.38	13	PASS
				RB12#0	6.48	13	PASS
				RB12#6	6.47	13	PASS
				RB12#13	6.59	13	PASS
				RB25#0	7.33	13	PASS
			HCH	RB1#0	4.19	13	PASS
				RB1#13	3.84	13	PASS
				RB1#24	3.67	13	PASS
				RB12#0	6.03	13	PASS
				RB12#6	5.72	13	PASS
				RB12#13	5.68	13	PASS
				RB25#0	6.91	13	PASS
		10	LCH	RB1#0	4.73	13	PASS
				RB1#25	5.03	13	PASS
				RB1#49	5.42	13	PASS
				RB25#0	6.27	13	PASS
				RB25#13	6.41	13	PASS
				RB25#25	6.67	13	PASS
				RB50#0	6.75	13	PASS
			MCH	RB1#0	5.3	13	PASS
				RB1#25	5.64	13	PASS
				RB1#49	5.58	13	PASS
				RB25#0	7.01	13	PASS
				RB25#13	7.13	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	7.17	13	PASS
				RB50#0	7.44	13	PASS
			HCH	RB1#0	5.37	13	PASS
				RB1#25	4.94	13	PASS
				RB1#49	4.37	13	PASS
				RB25#0	6.95	13	PASS
				RB25#13	6.51	13	PASS
				RB25#25	6.24	13	PASS
				RB50#0	6.75	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

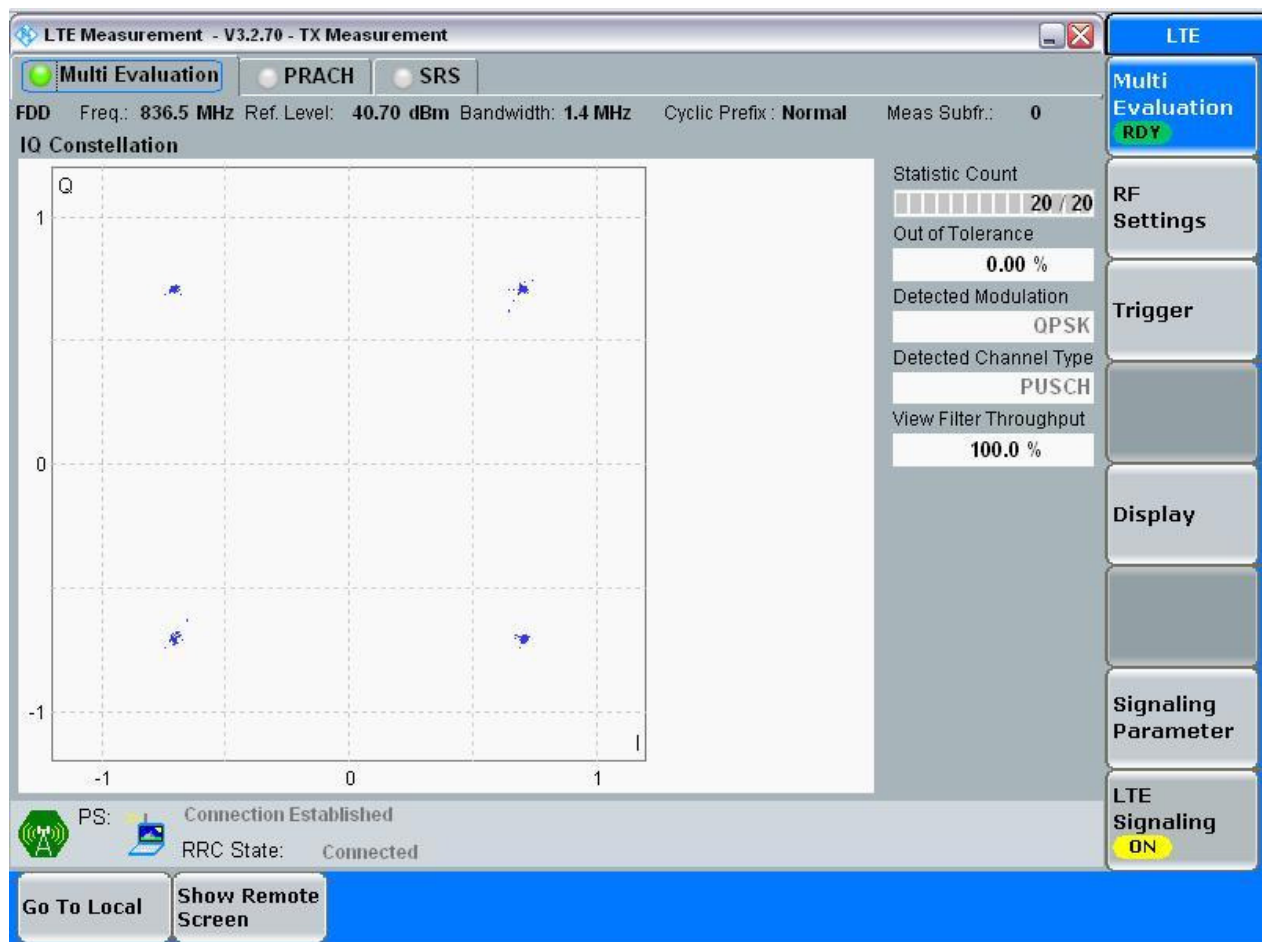
3.1.1 Test Band = BAND5

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

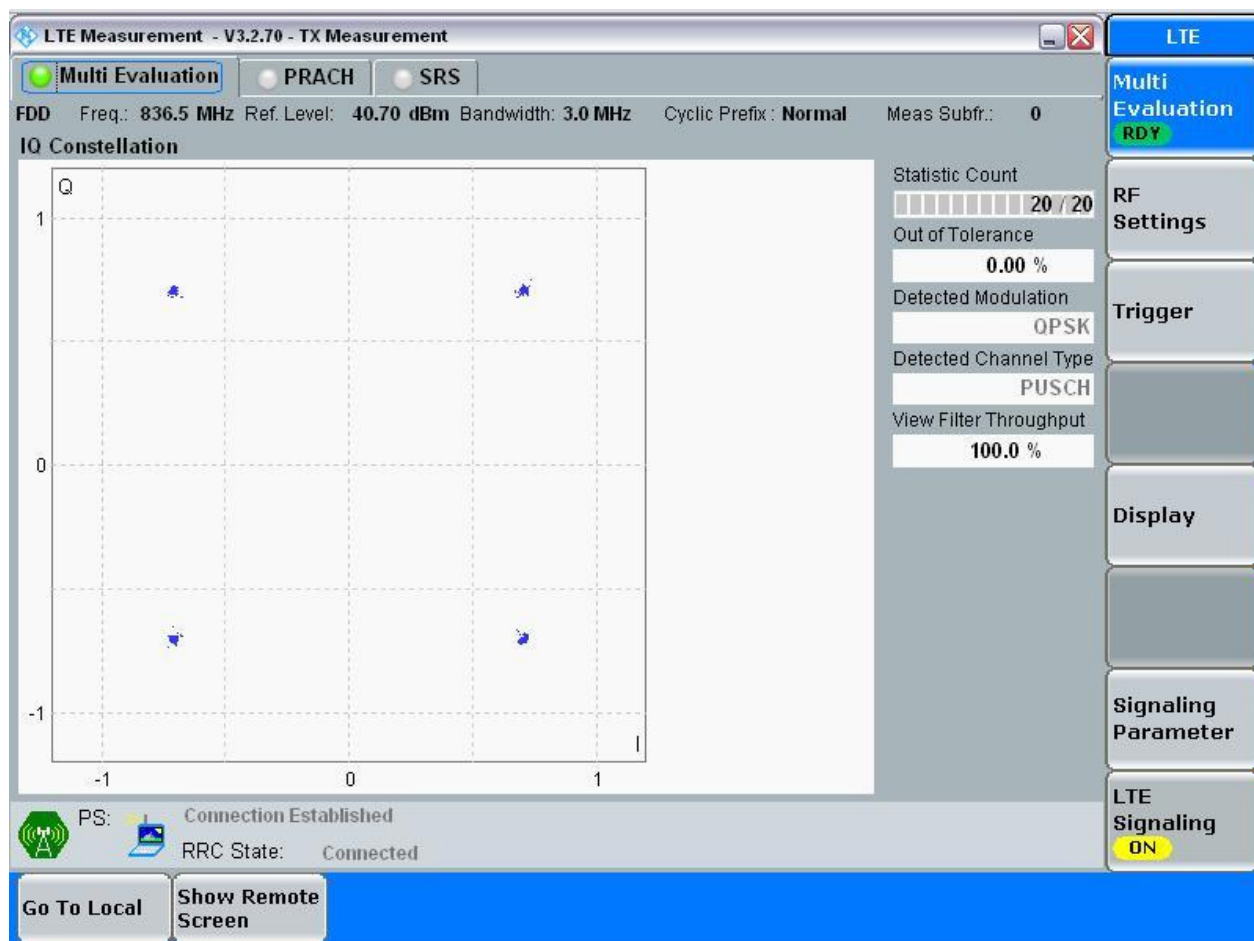
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

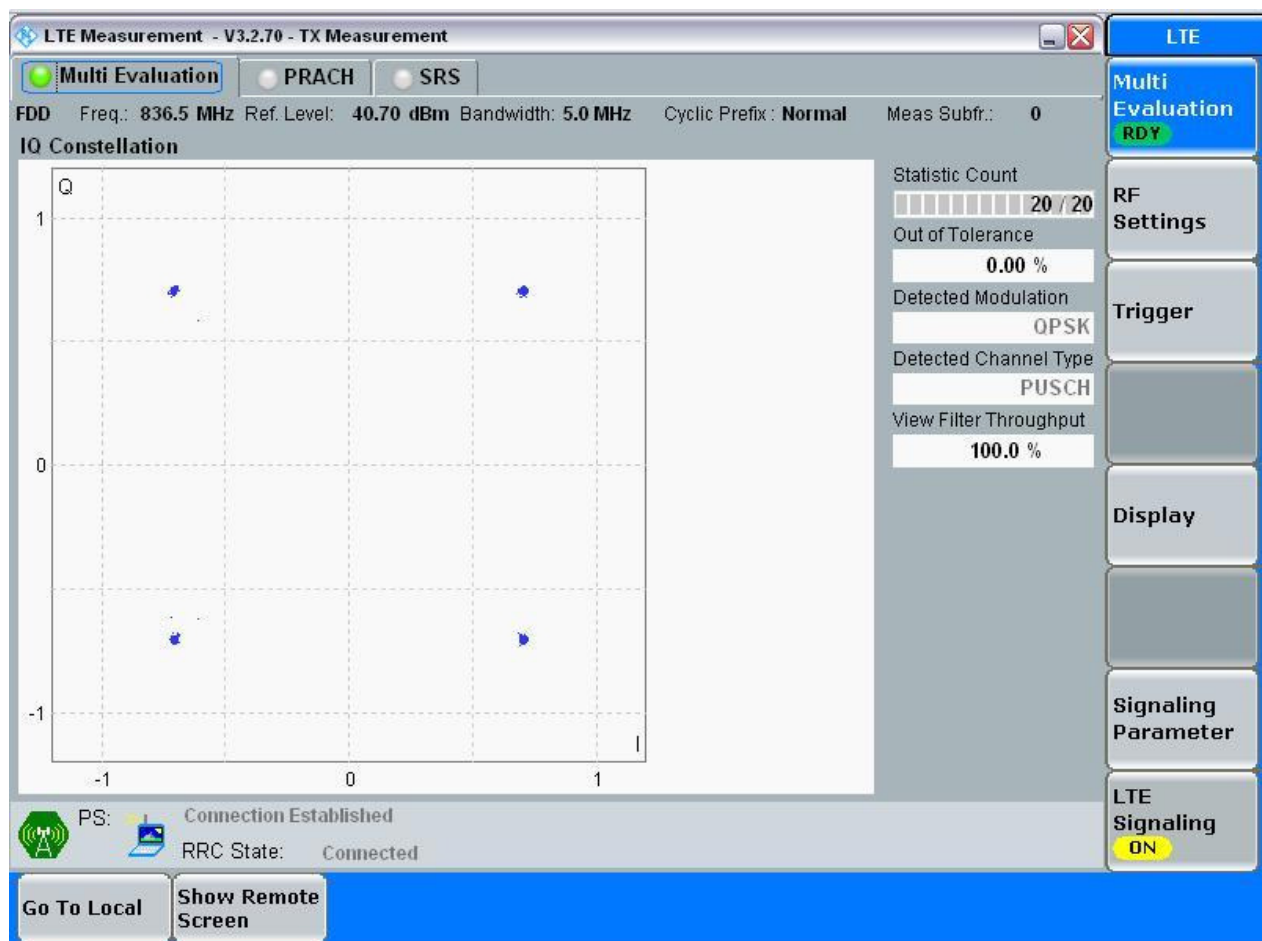
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

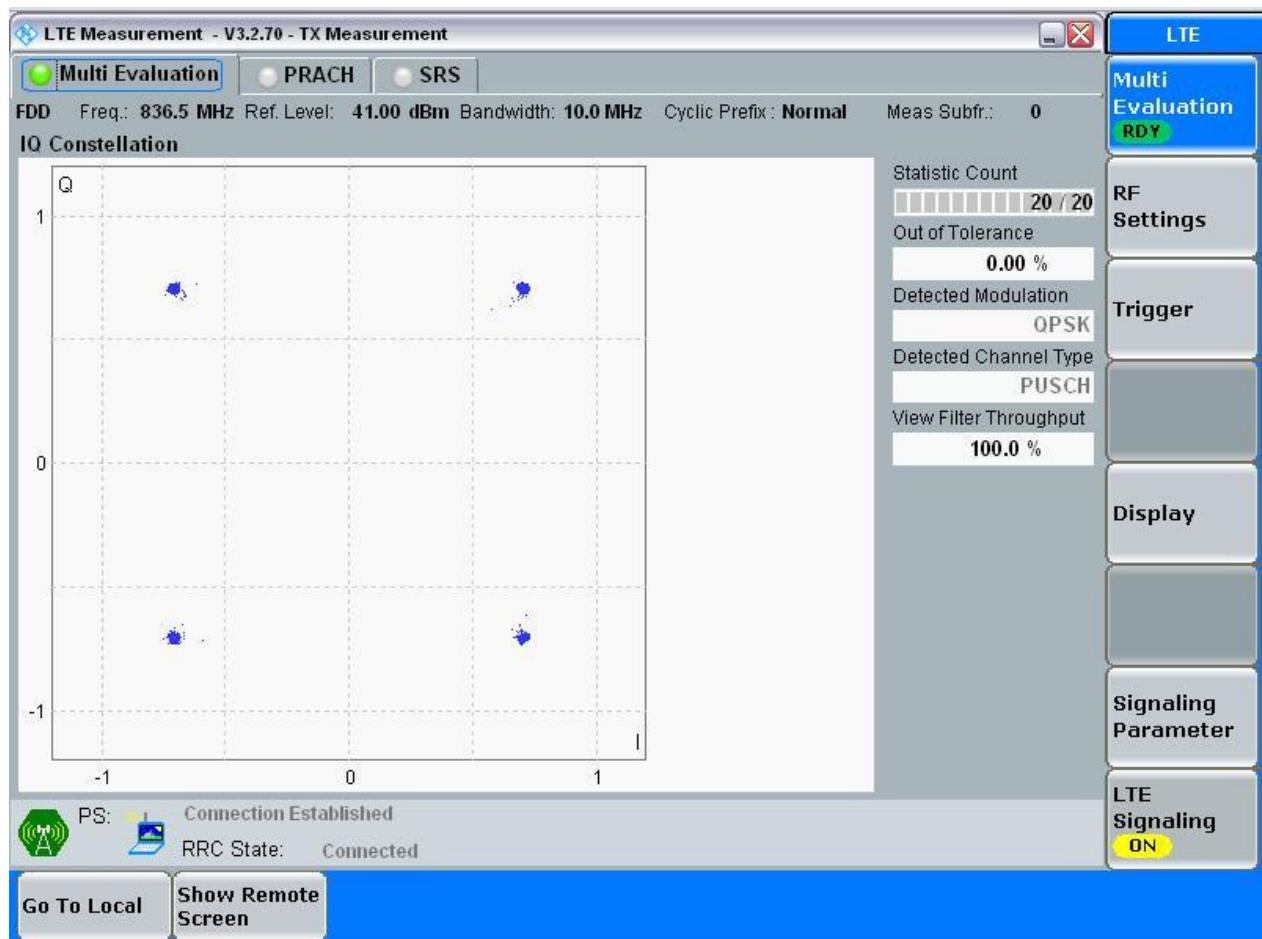
3.1.1.1.3.1.1 Test RB = RB25#0



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

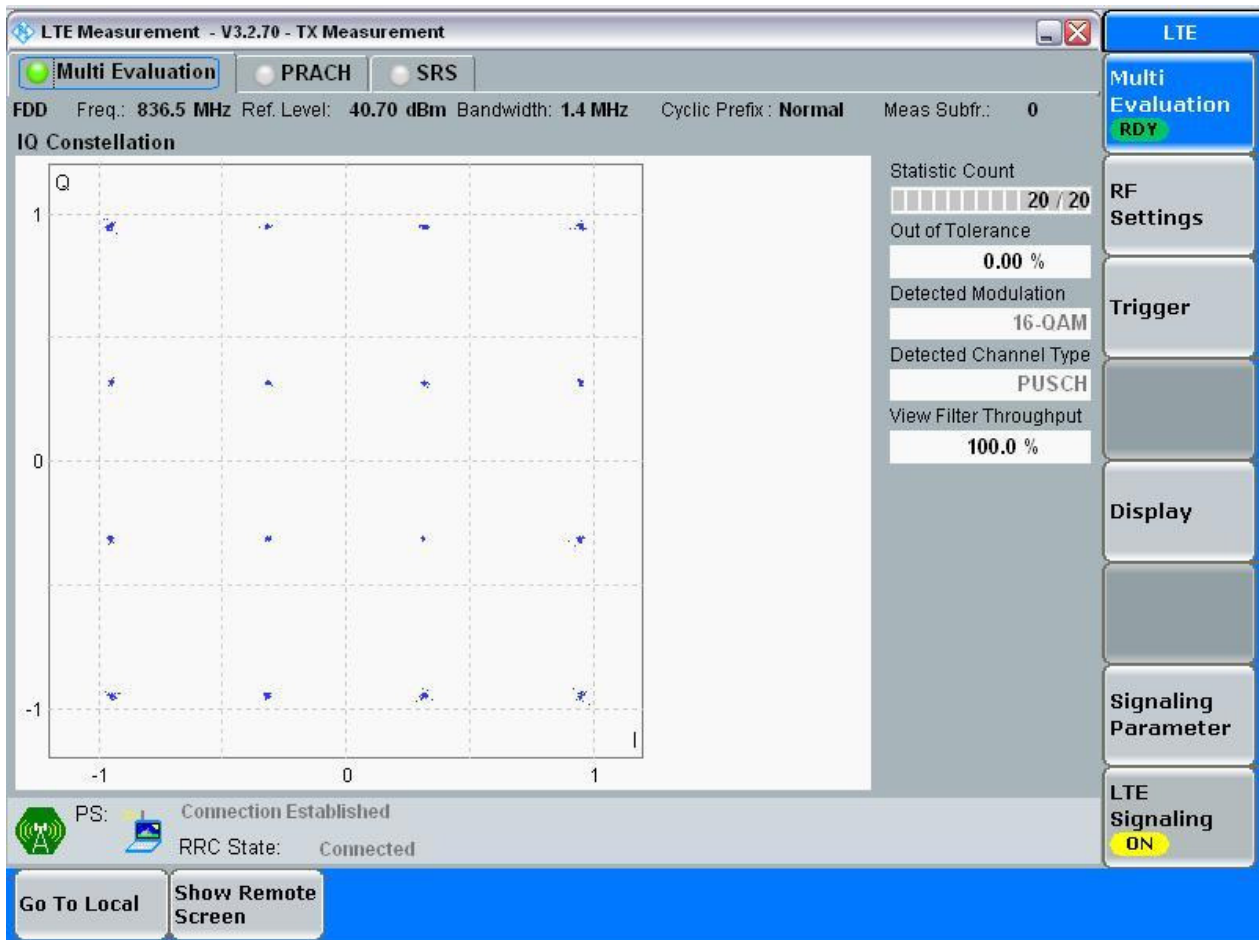


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

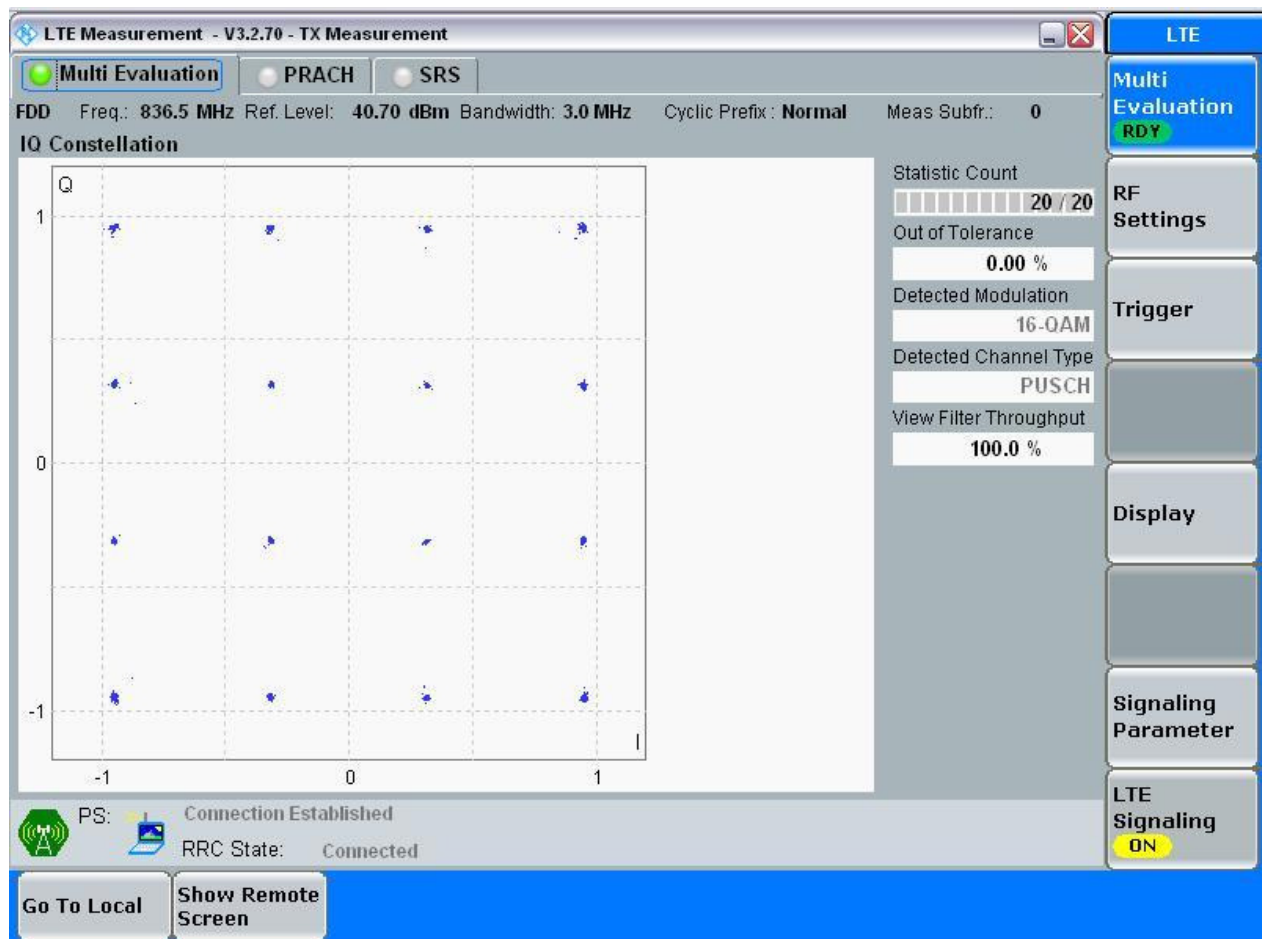
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

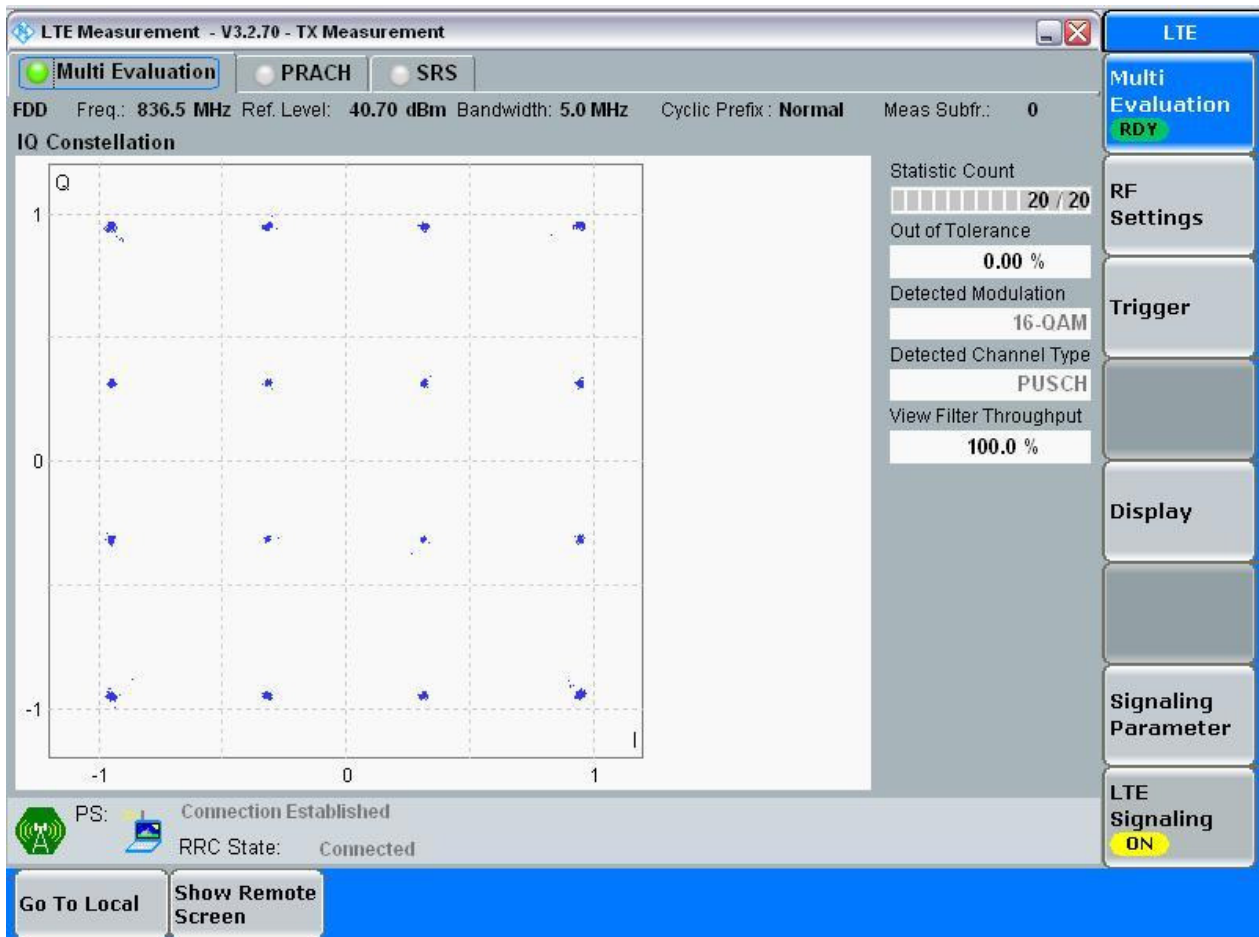
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

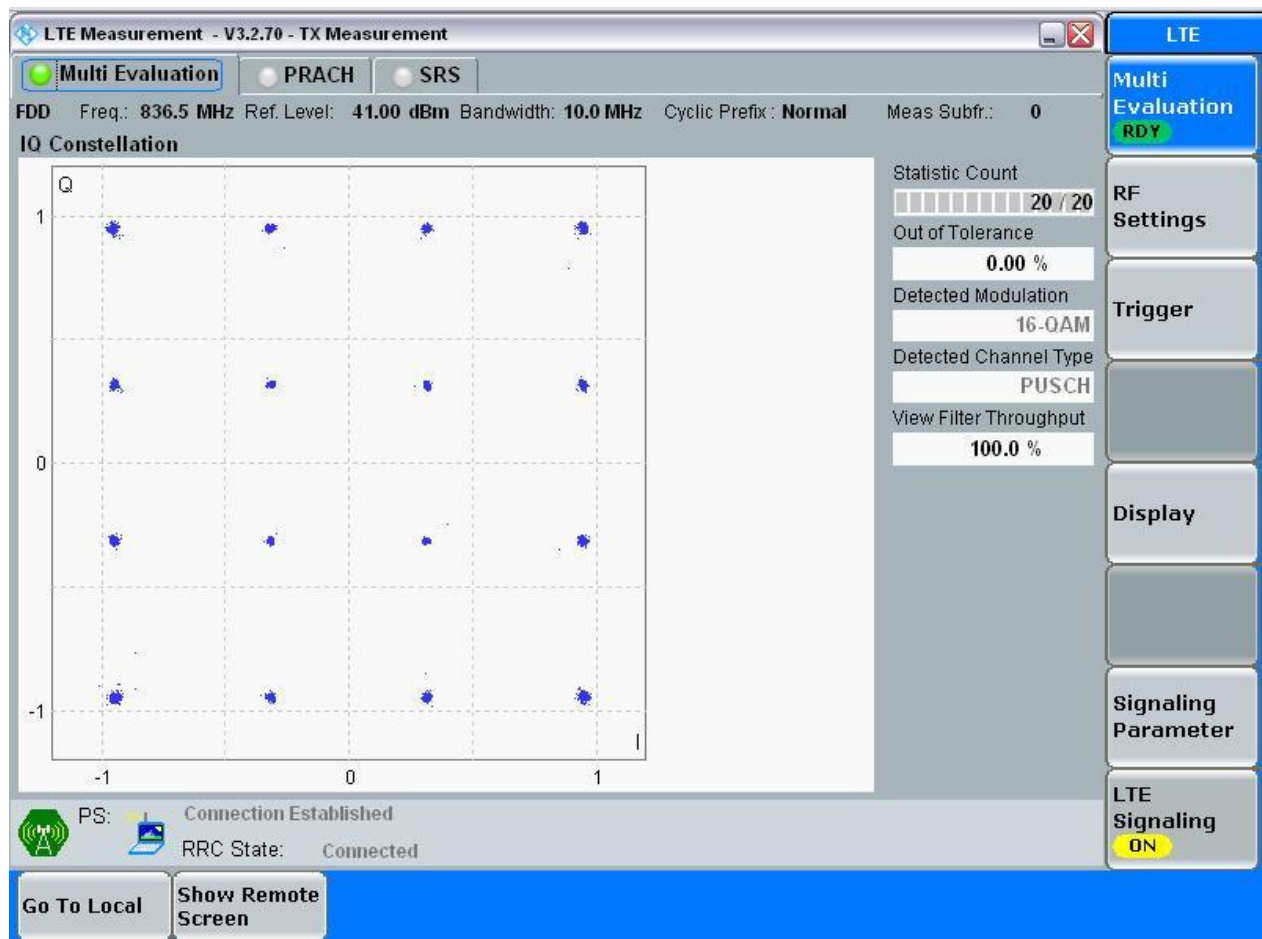
3.1.1.2.3.1.1 Test RB = RB25#0



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	1.25	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.25	Pass
		3	LCH	RB15#0	2.70	2.91	Pass
			MCH	RB15#0	2.70	2.91	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.51	4.88	Pass
			MCH	RB25#0	4.51	4.87	Pass
			HCH	RB25#0	4.51	4.90	Pass
		10	LCH	RB50#0	9.01	9.64	Pass
			MCH	RB50#0	9.01	9.61	Pass
			HCH	RB50#0	8.98	9.57	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.26	Pass
			MCH	RB6#0	1.09	1.25	Pass
			HCH	RB6#0	1.09	1.25	Pass
		3	LCH	RB15#0	2.70	2.92	Pass
			MCH	RB15#0	2.70	2.91	Pass
			HCH	RB15#0	2.71	2.92	Pass
		5	LCH	RB25#0	4.51	4.89	Pass
			MCH	RB25#0	4.51	4.88	Pass
			HCH	RB25#0	4.51	4.93	Pass
		10	LCH	RB50#0	9.00	9.68	Pass
			MCH	RB50#0	8.99	9.66	Pass
			HCH	RB50#0	9.00	9.59	Pass



Part II - Test Plots

4.1 For LTE

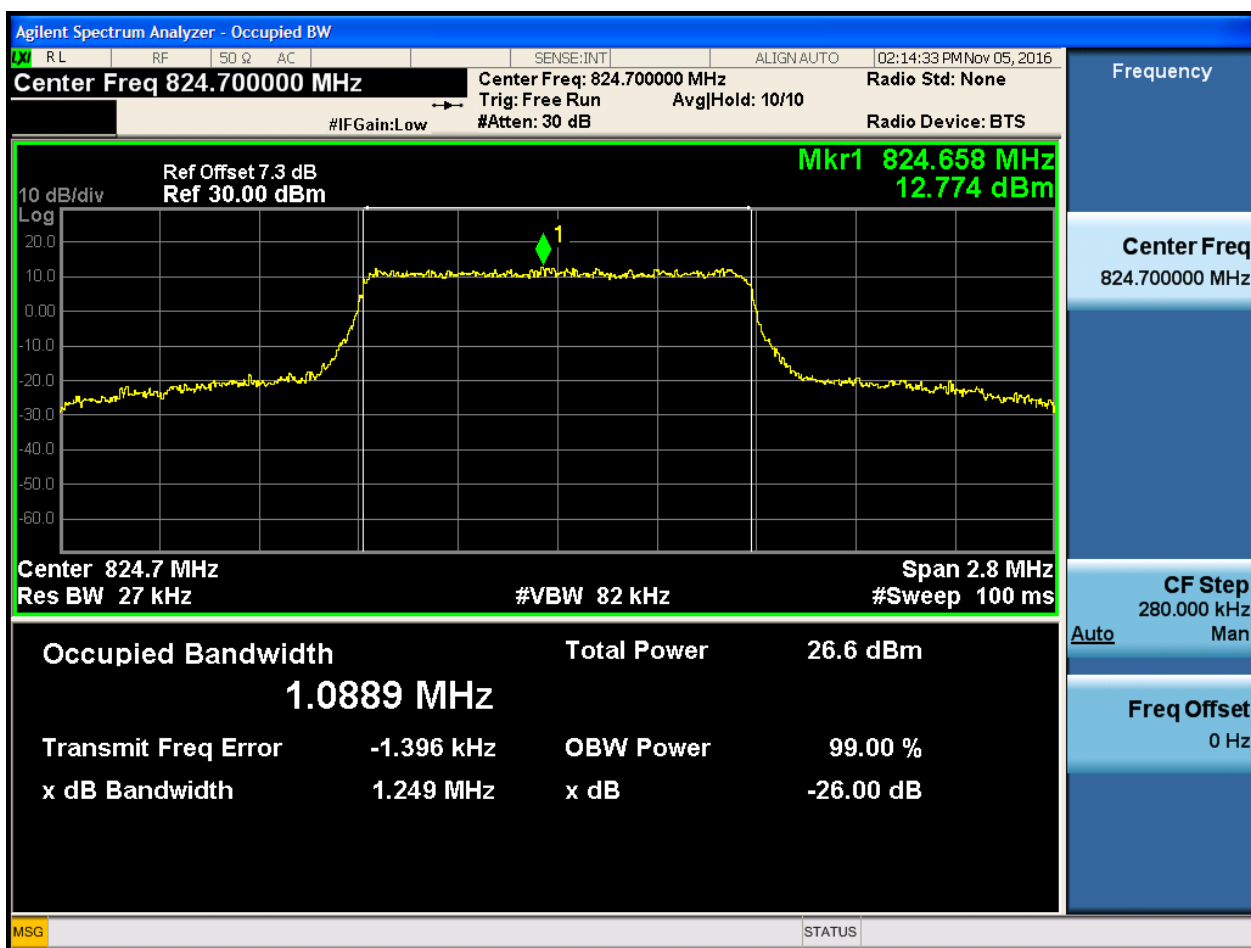
4.1.1 Test Band = BAND5

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

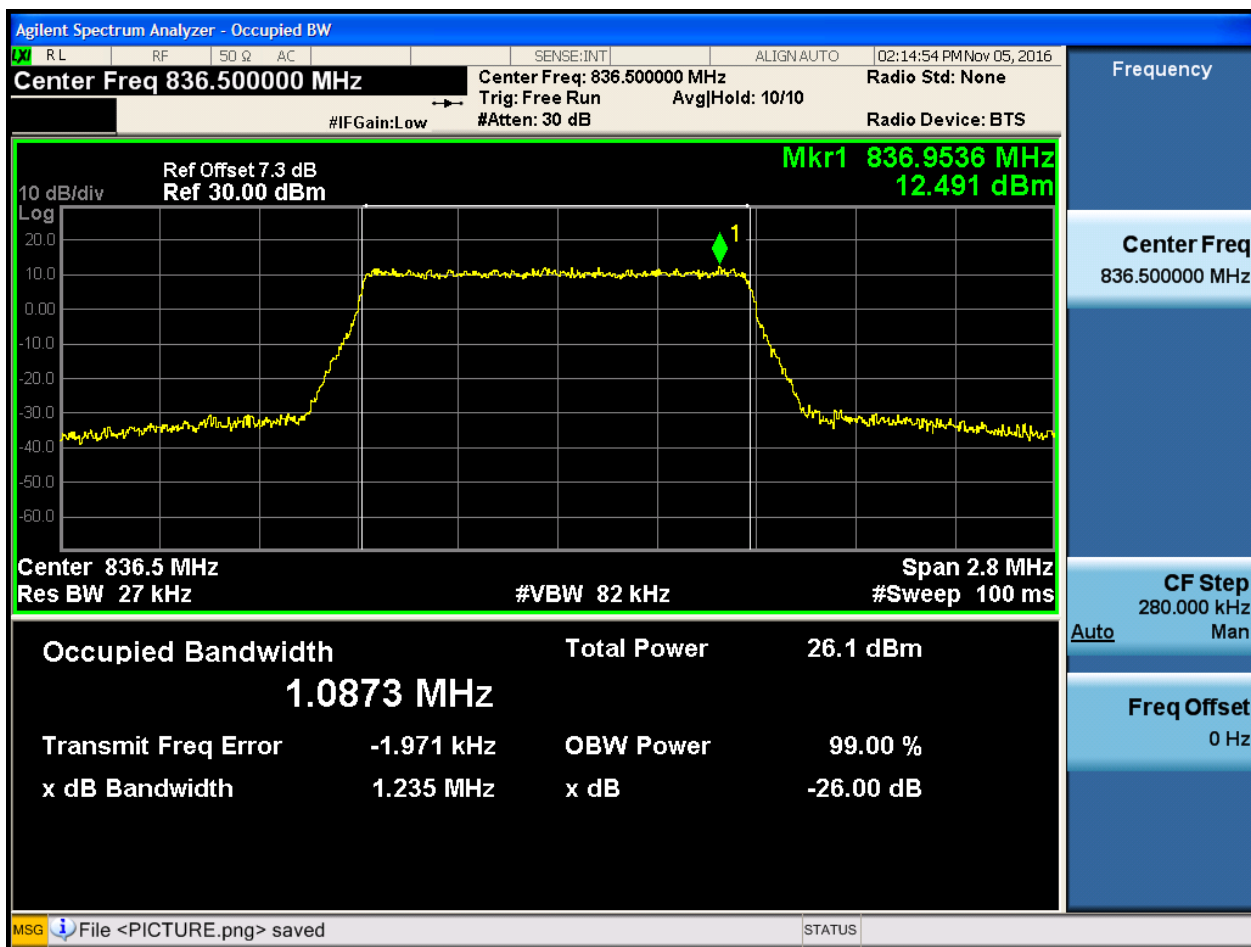
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

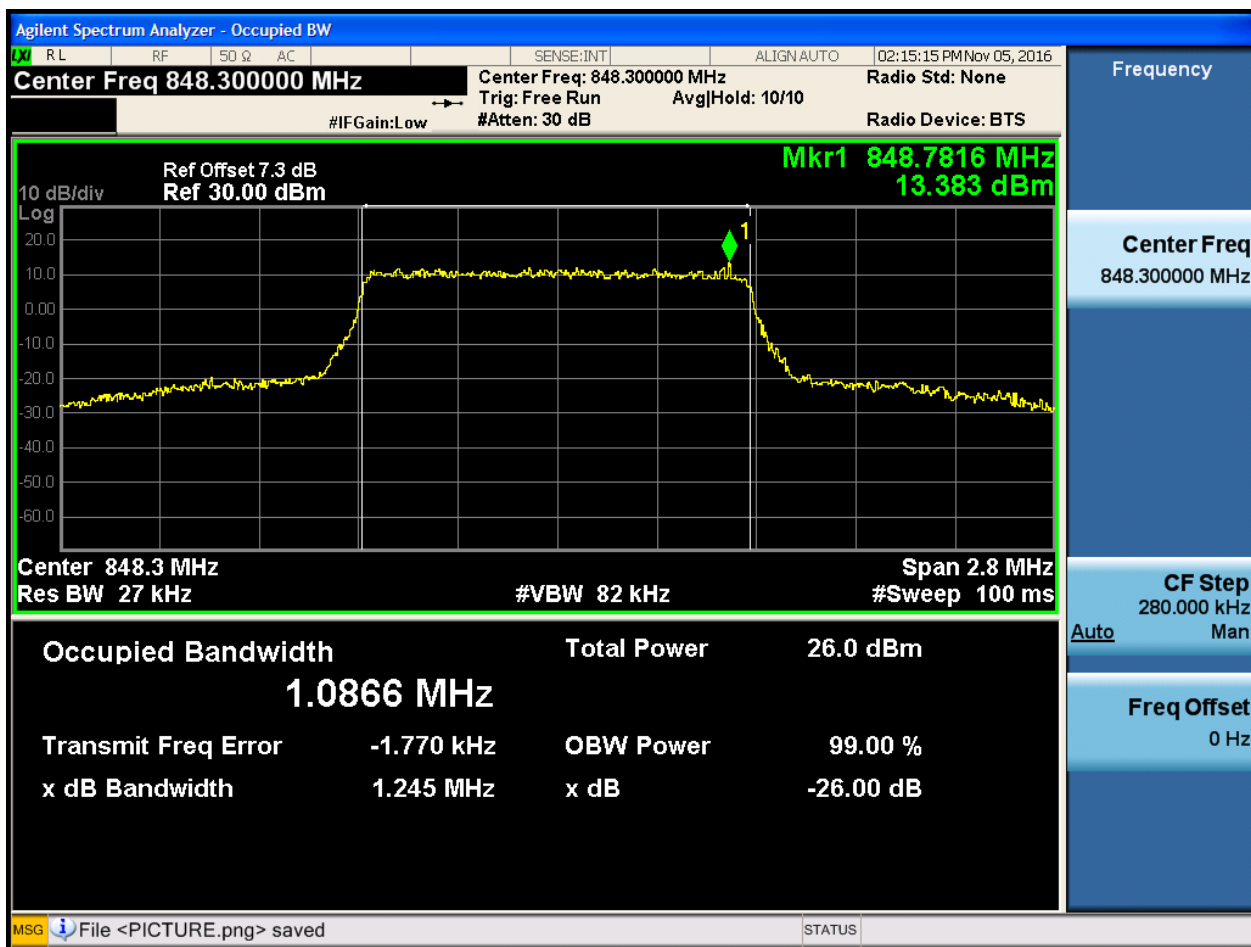
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

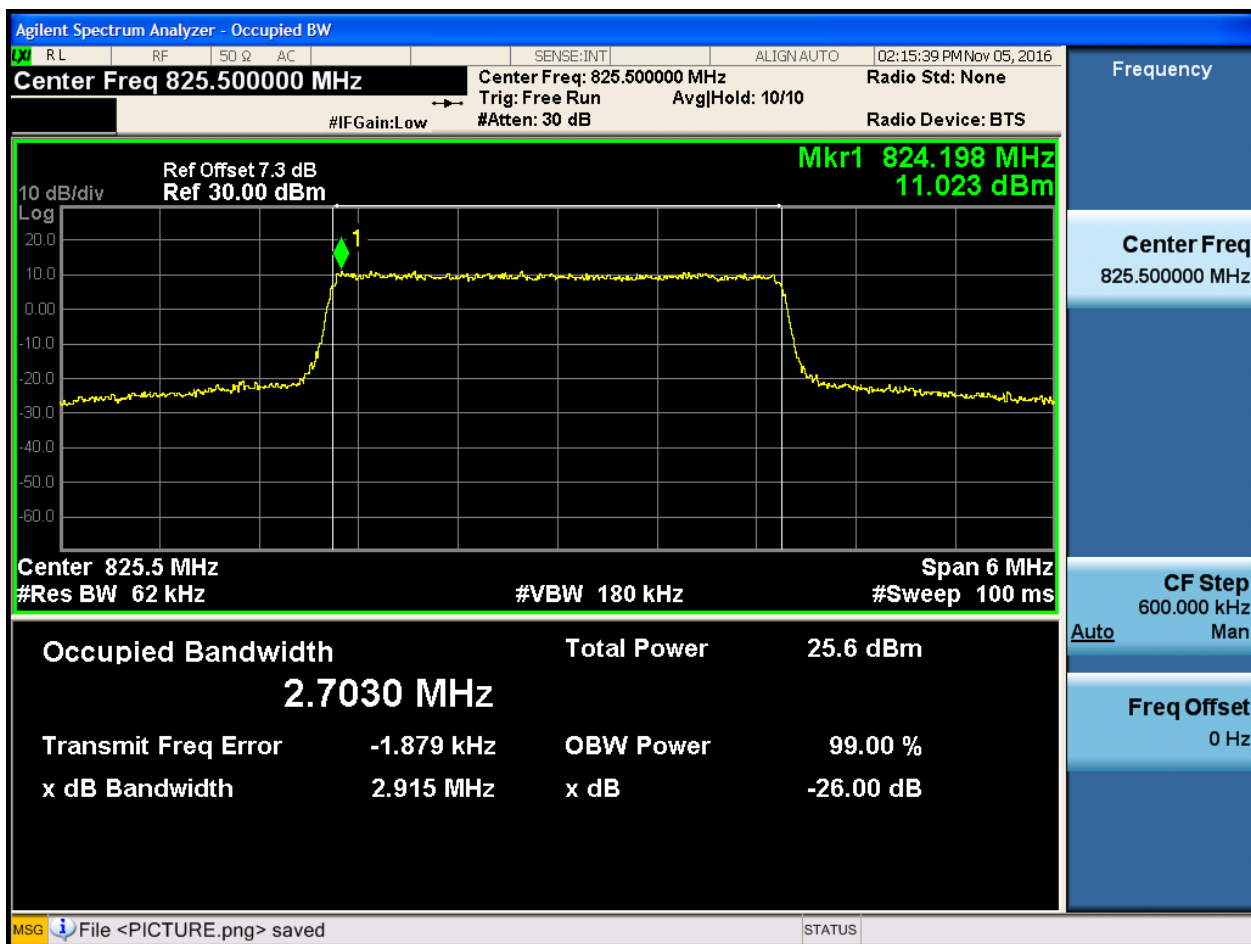




4.1.1.1.2 Test Bandwidth = 3

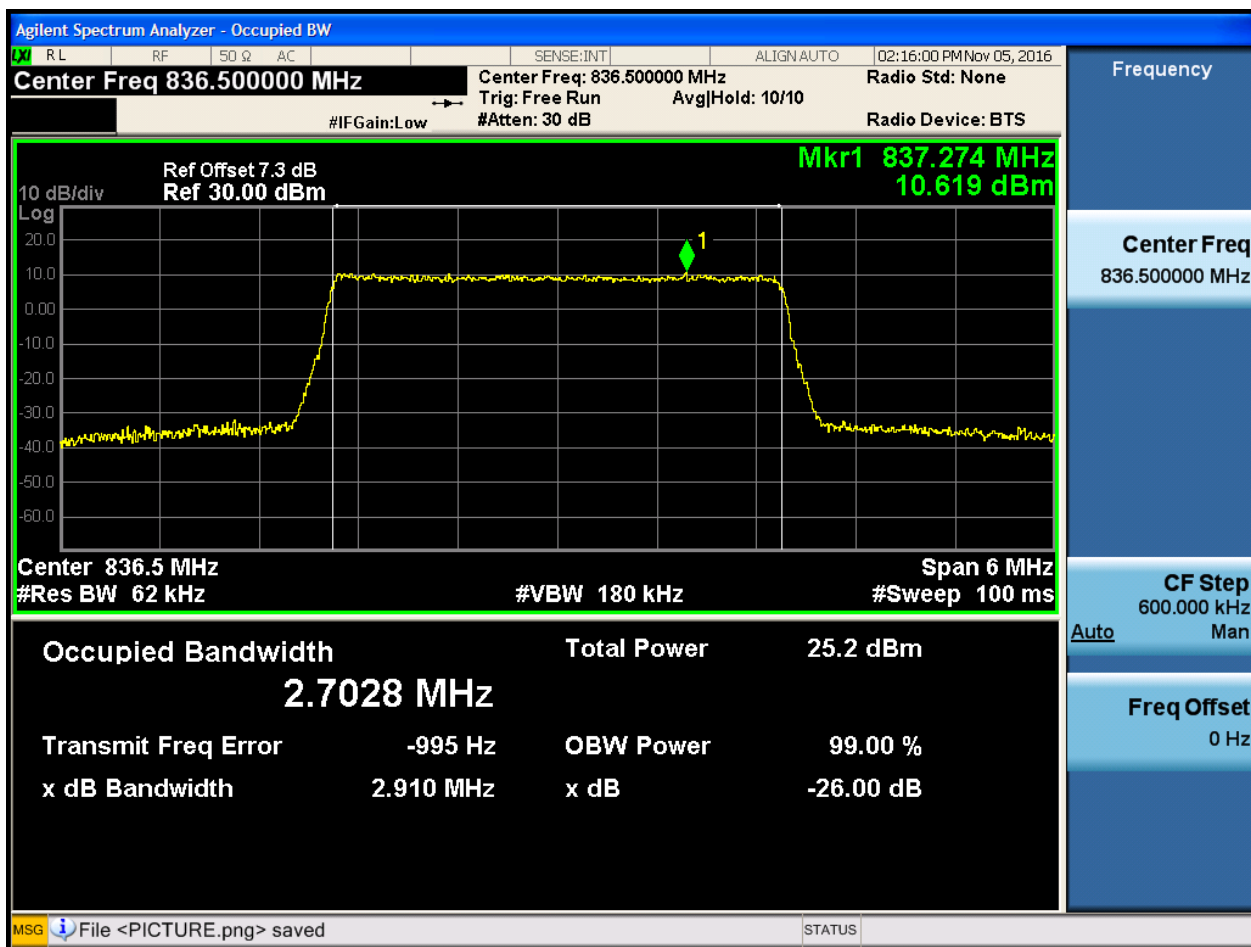
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



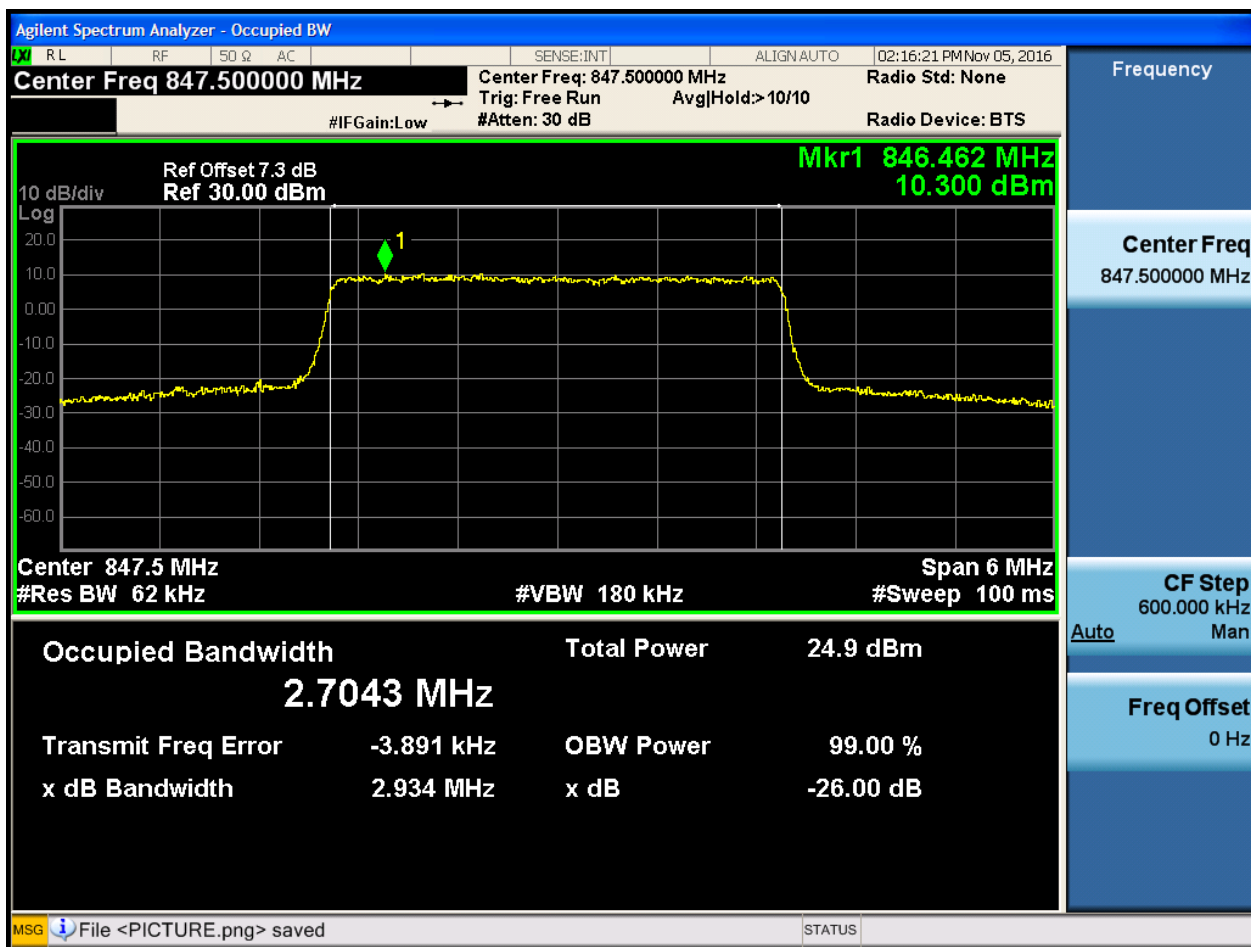
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0



4.1.1.1.2.3 Test Channel = HCH

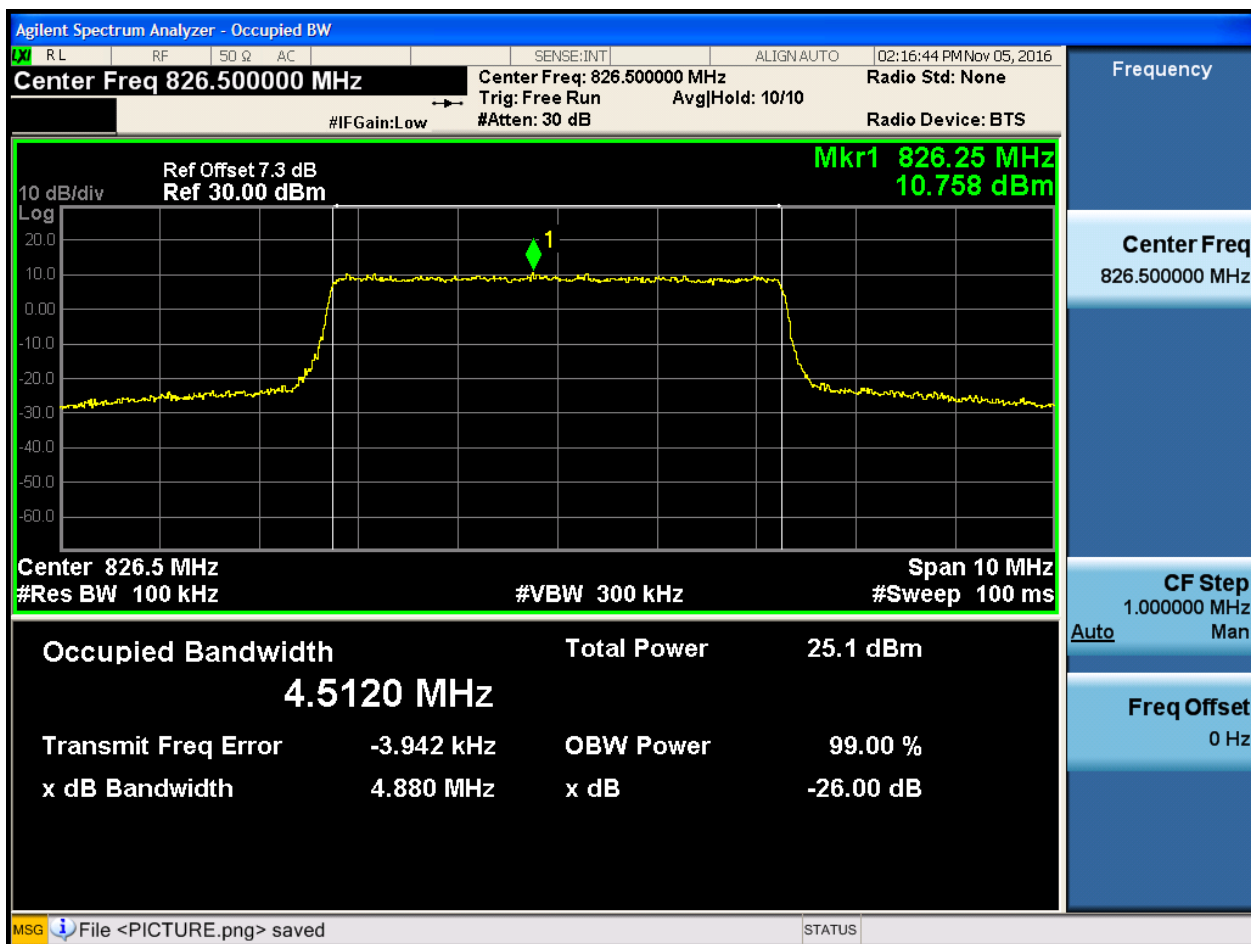
4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

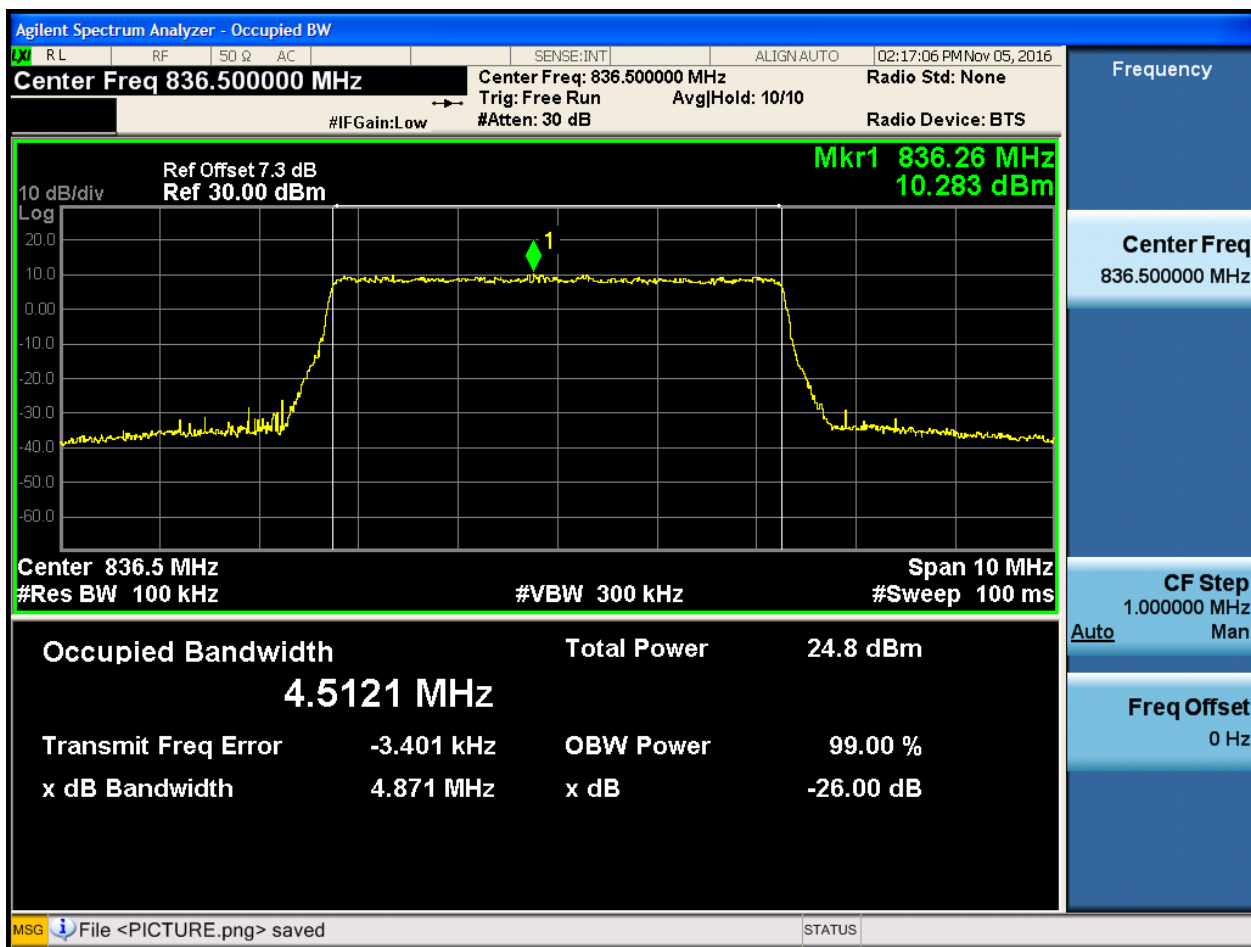
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



4.1.1.1.3.2 Test Channel = MCH

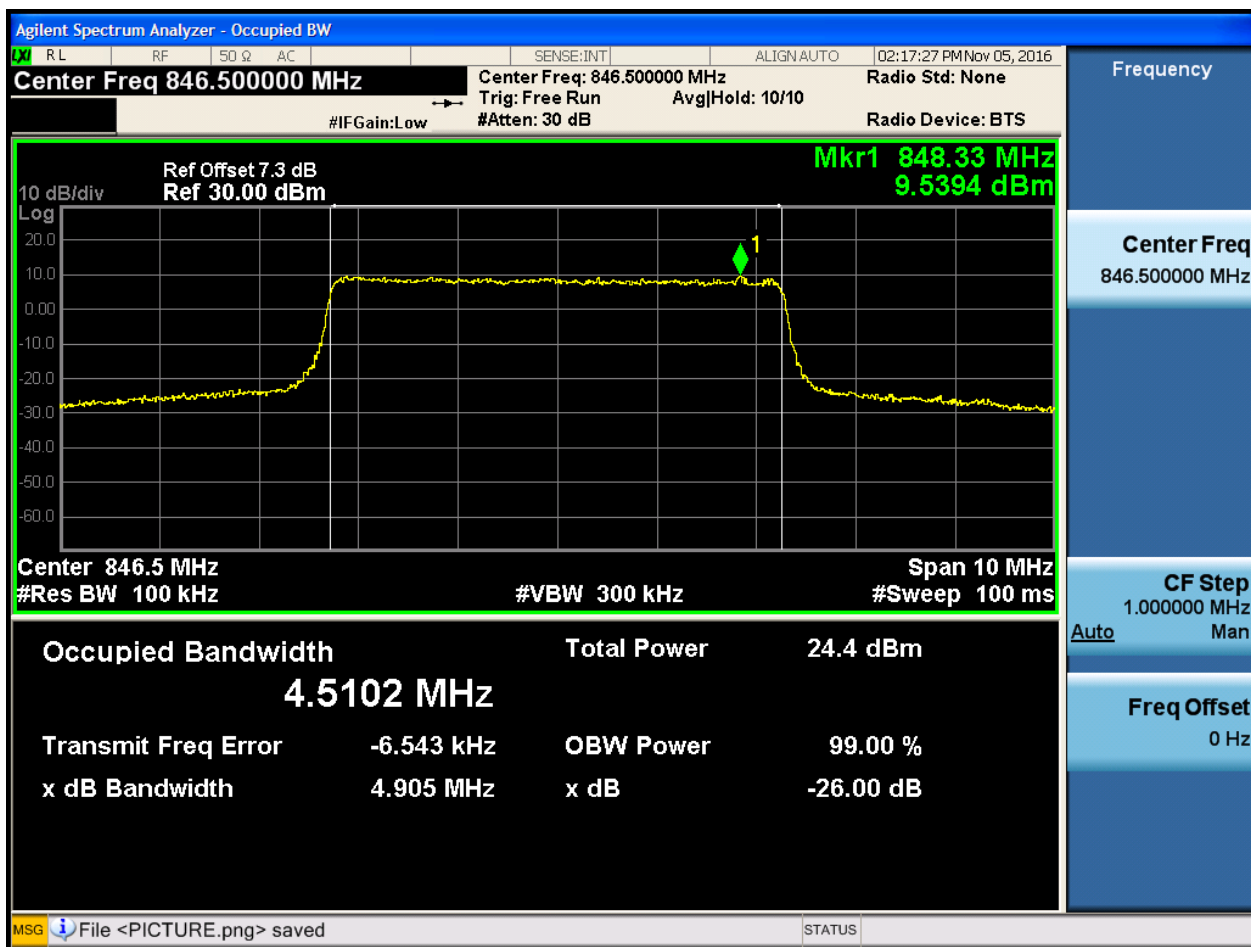
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

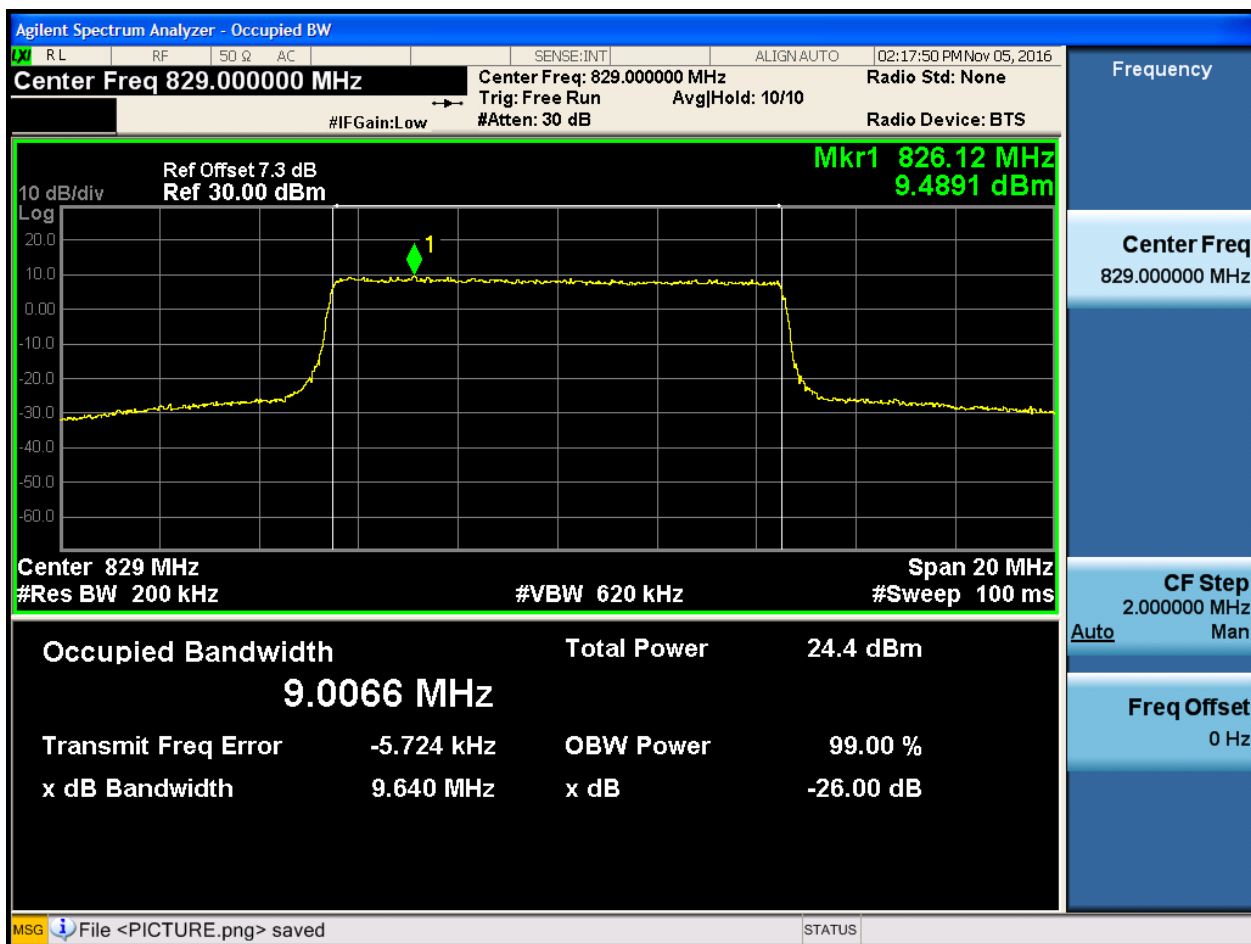




4.1.1.1.4 Test Bandwidth = 10

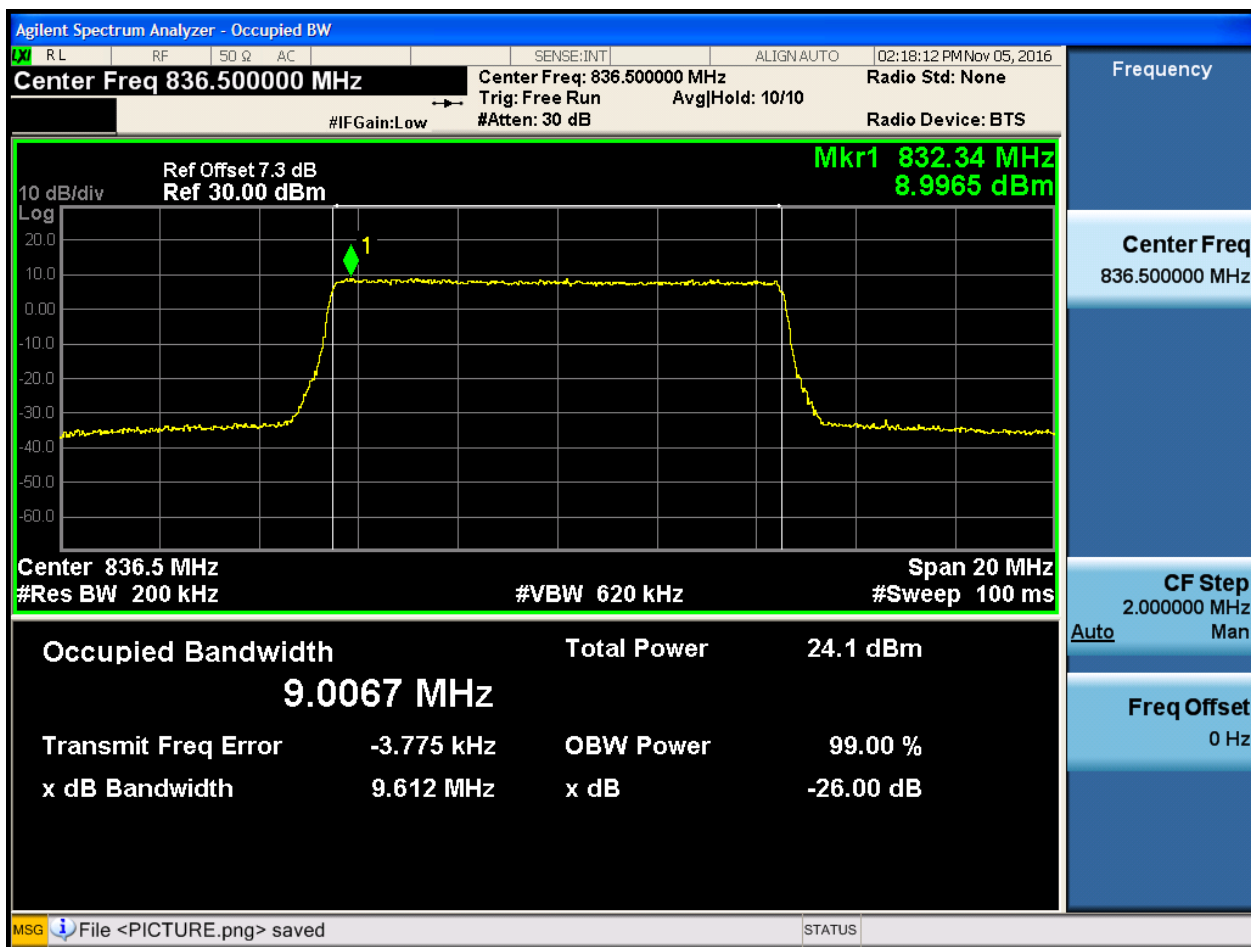
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



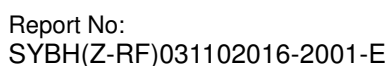
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3.1 Test RB = RB50#0

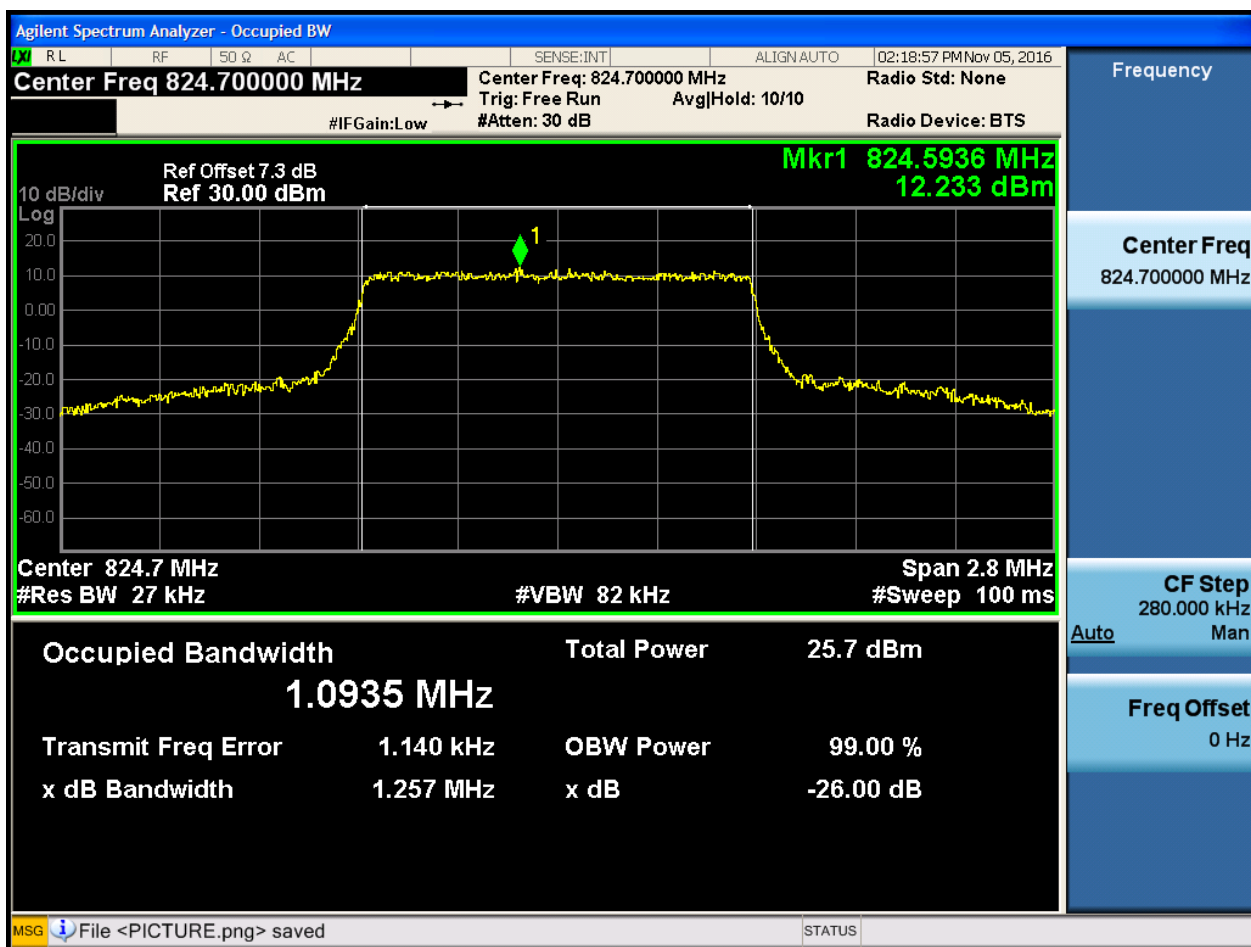


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

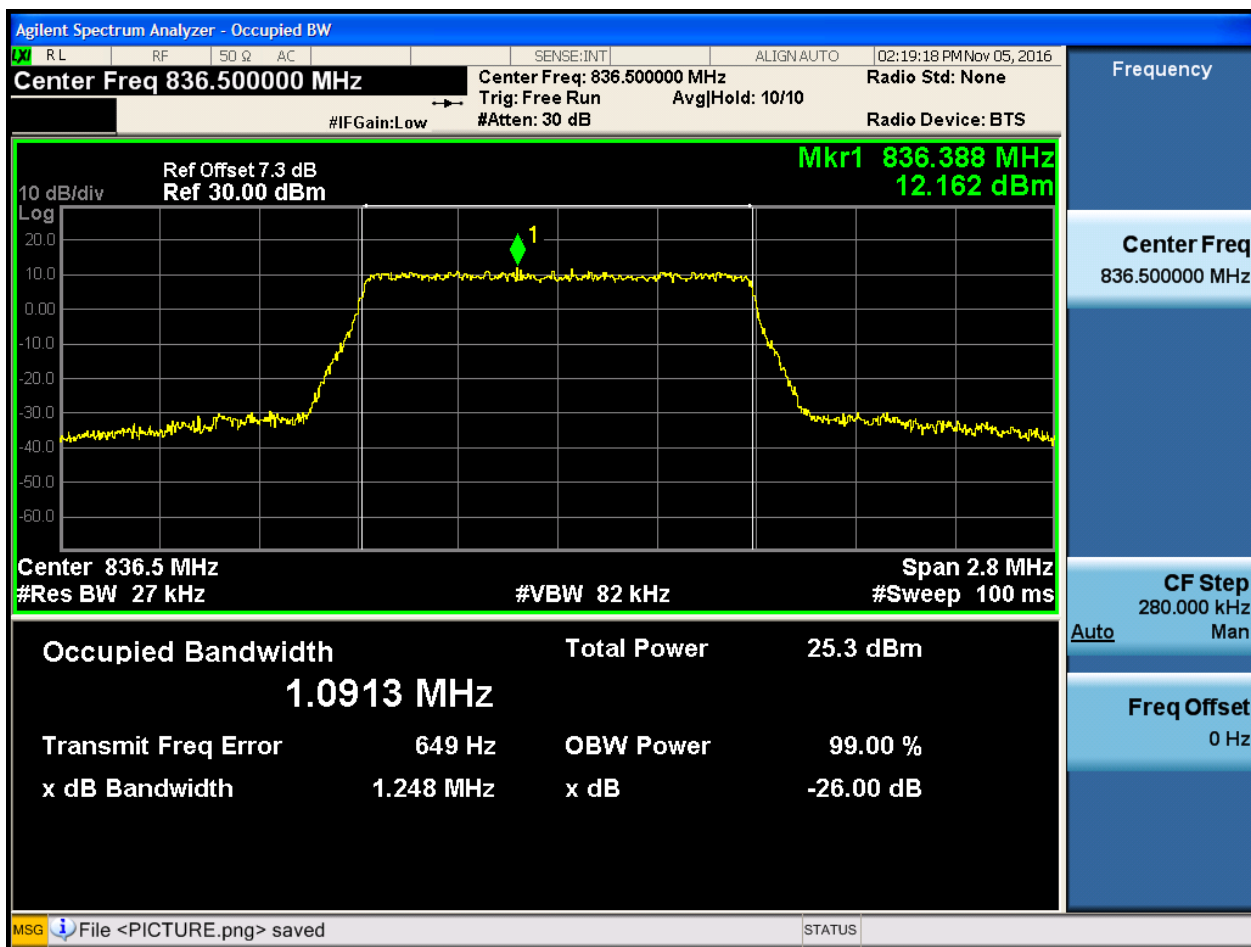
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



4.1.1.2.1.2 Test Channel = MCH

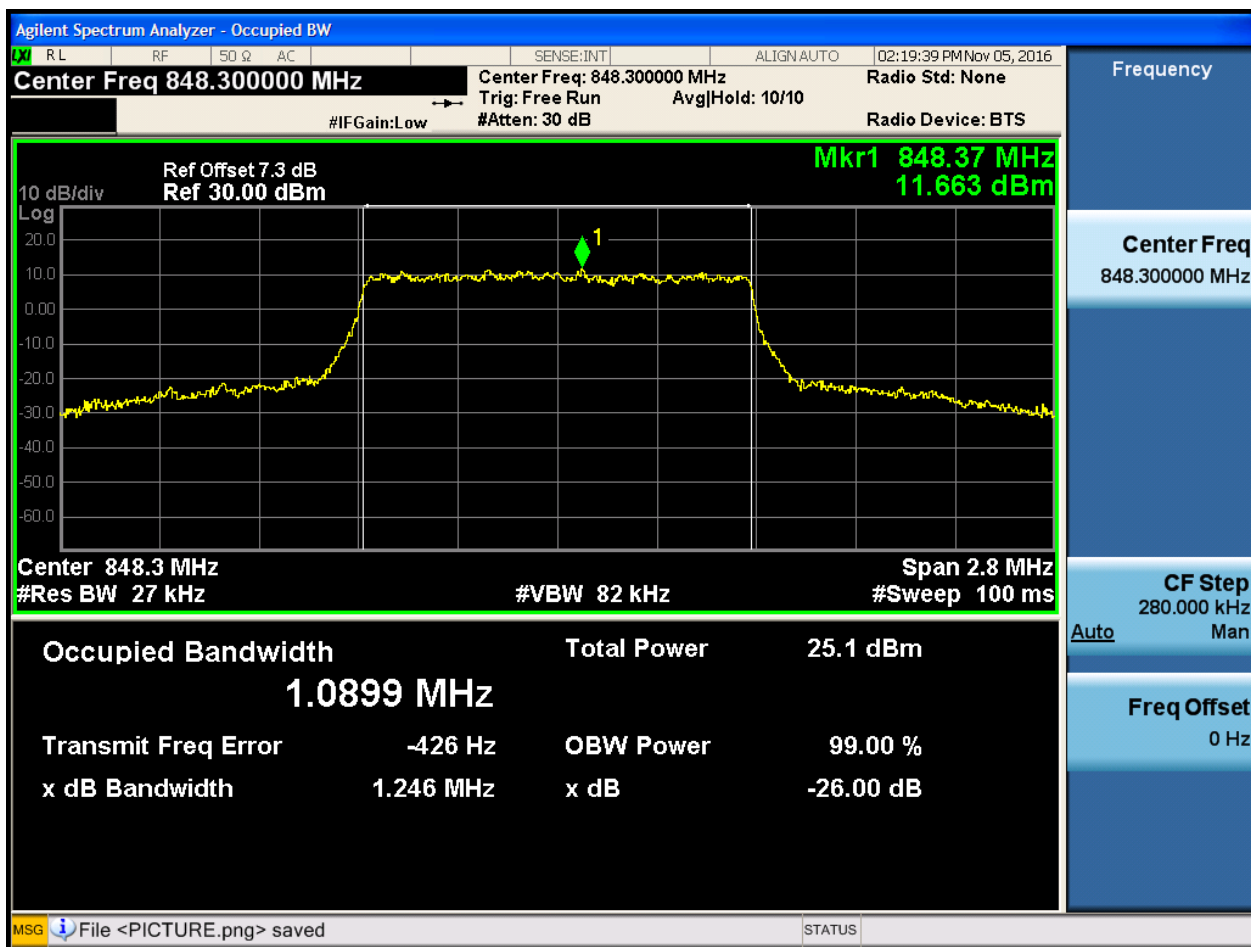
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

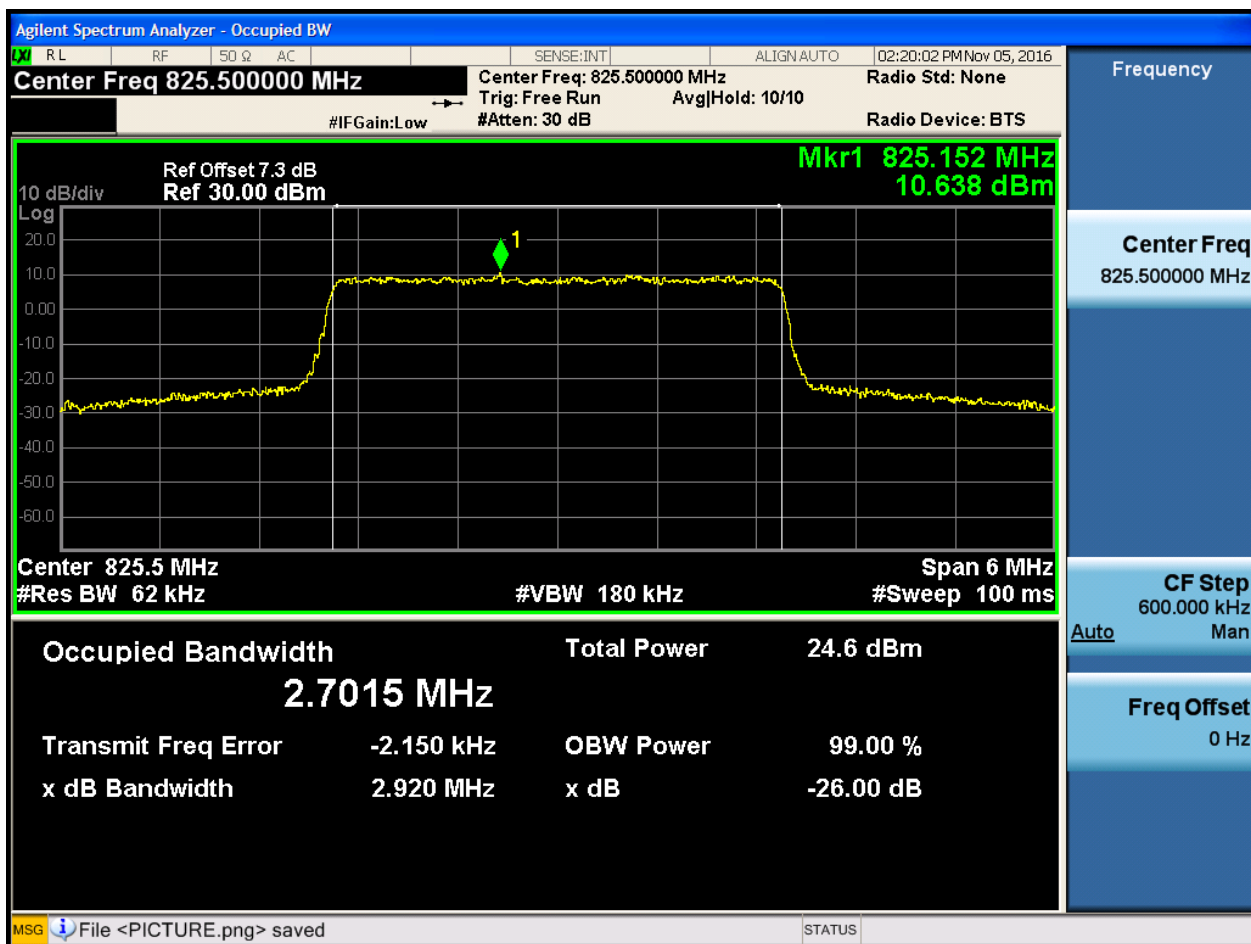




4.1.1.2.2 Test Bandwidth = 3

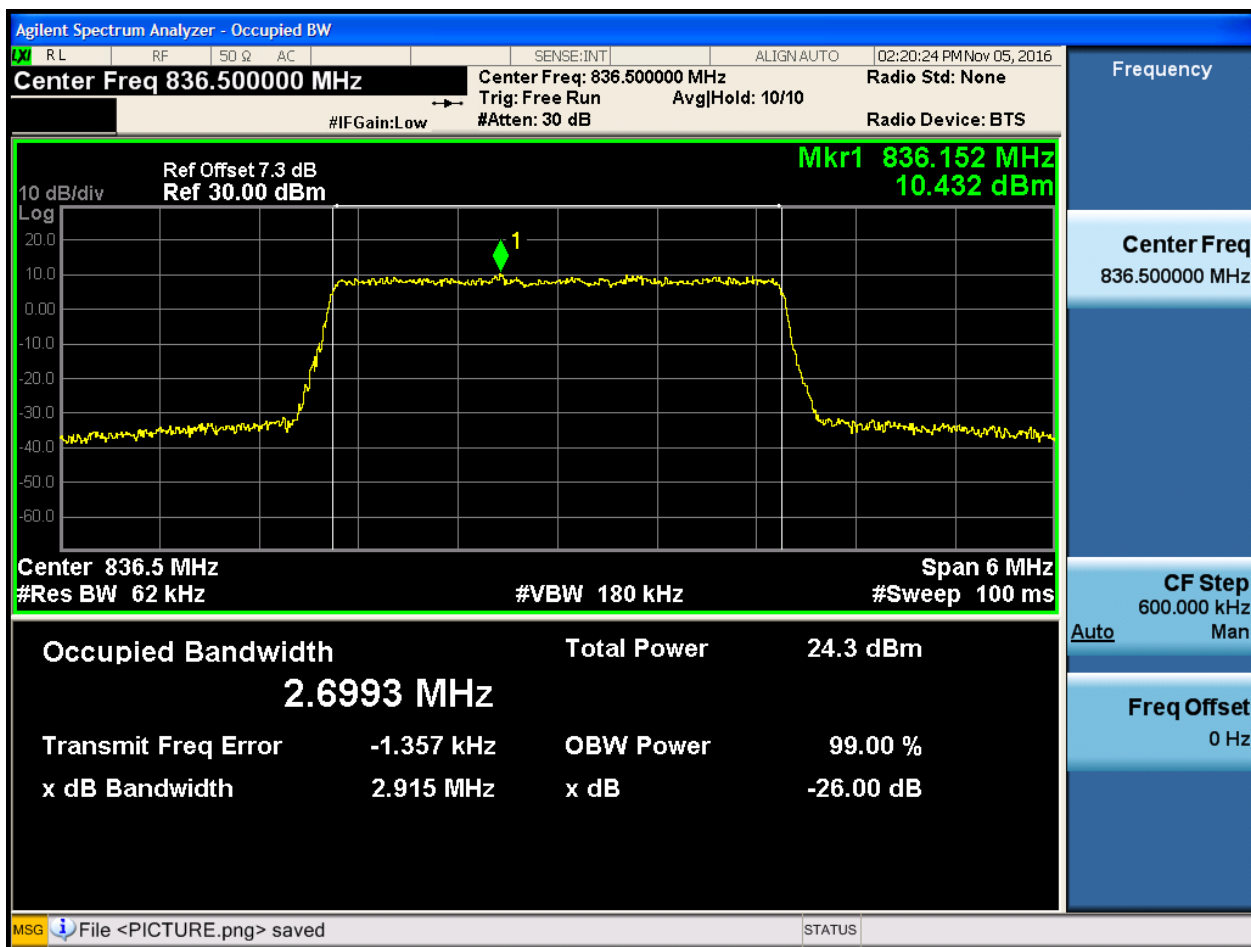
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



4.1.1.2.2.2 Test Channel = MCH

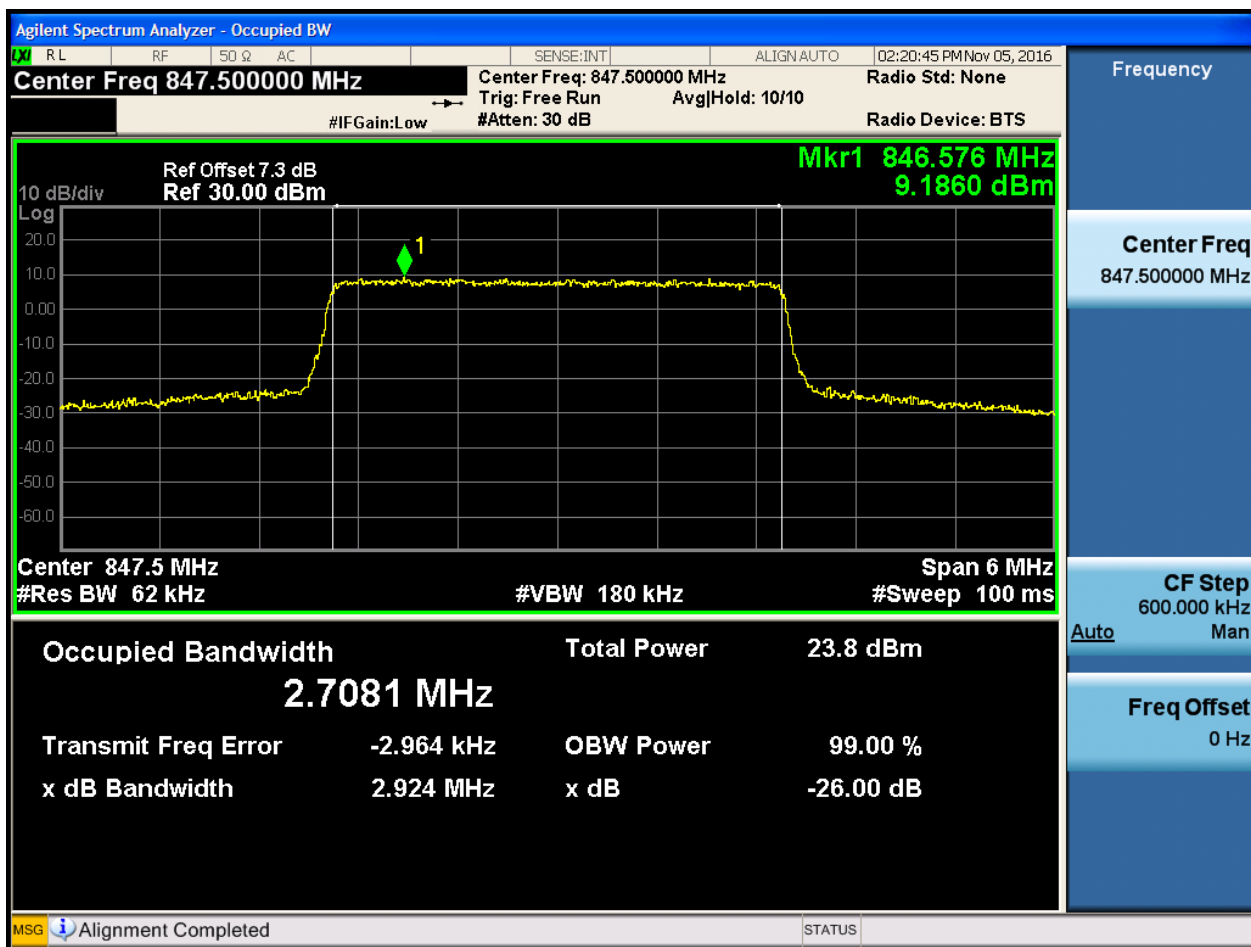
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

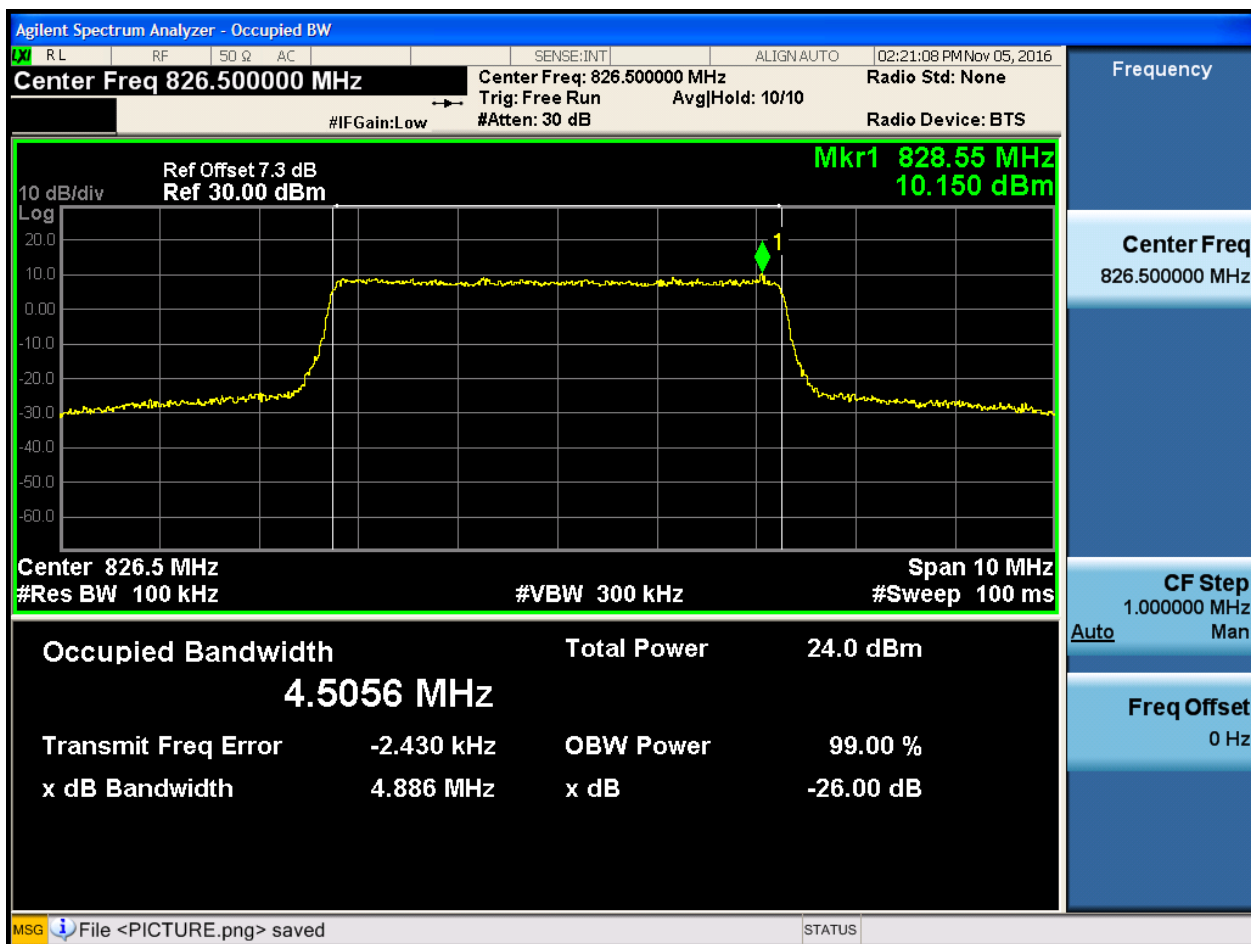




4.1.1.2.3 Test Bandwidth = 5

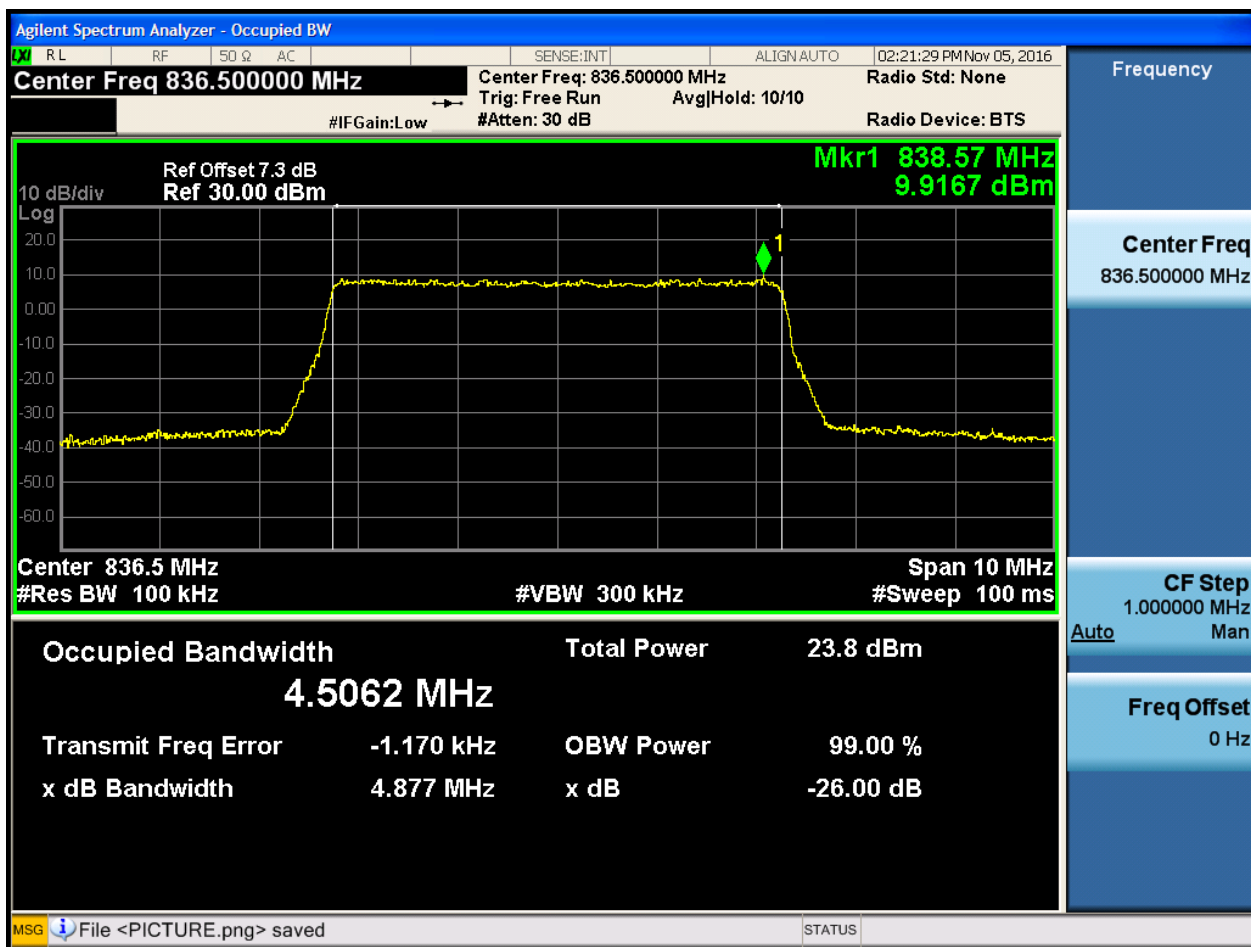
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



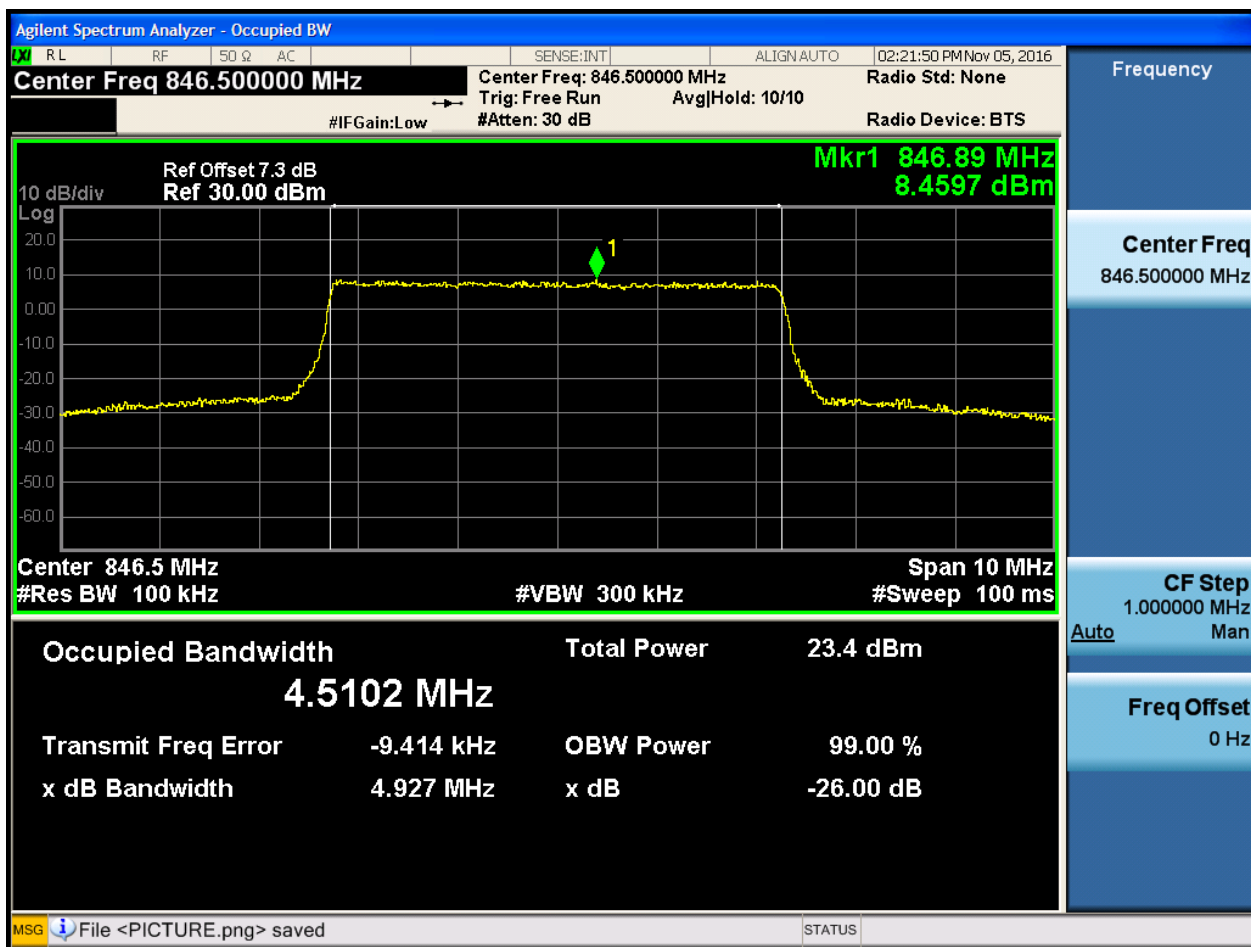
4.1.1.2.3.2 Test Channel = MCH

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

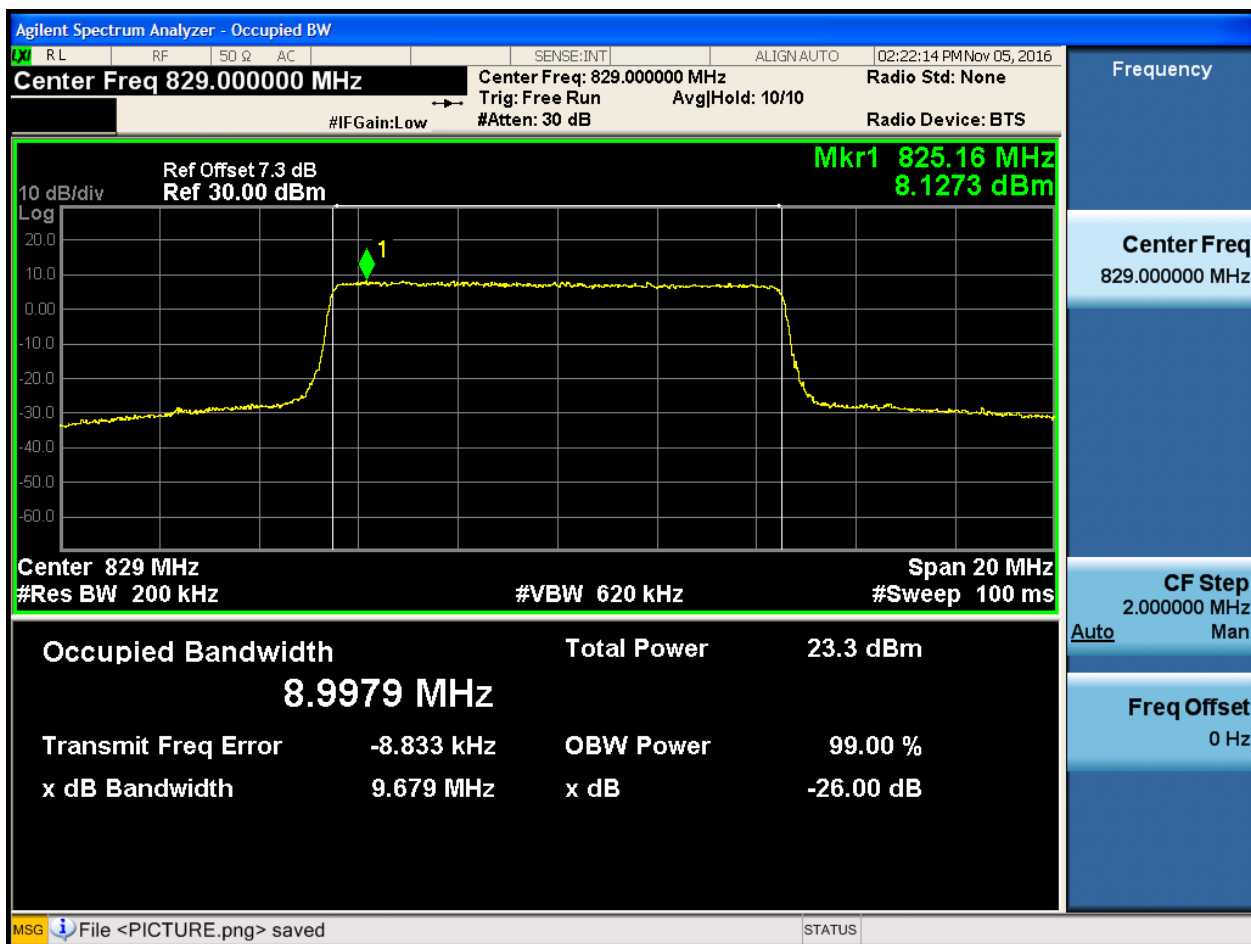




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

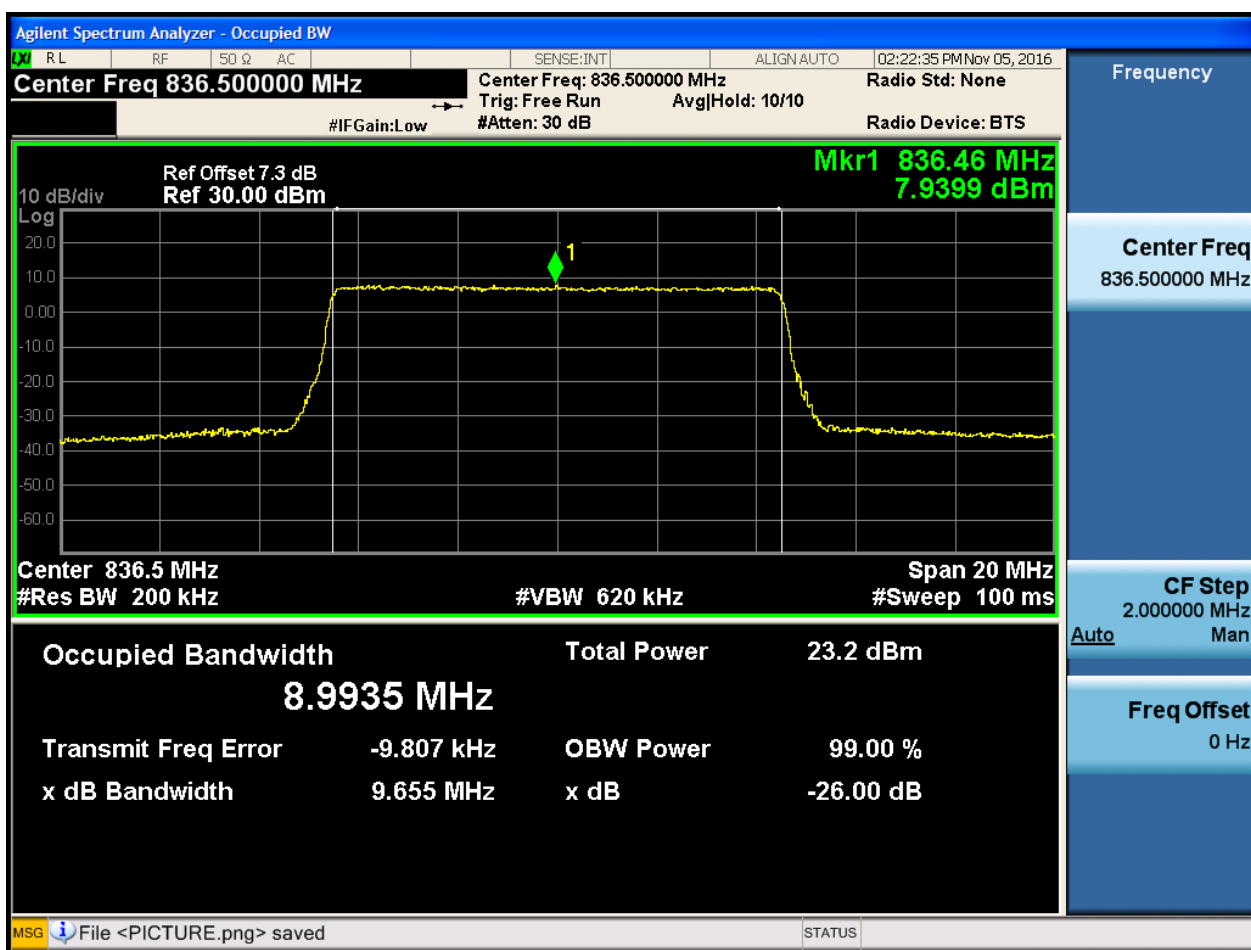
4.1.1.2.4.1.1 Test RB = RB50#0





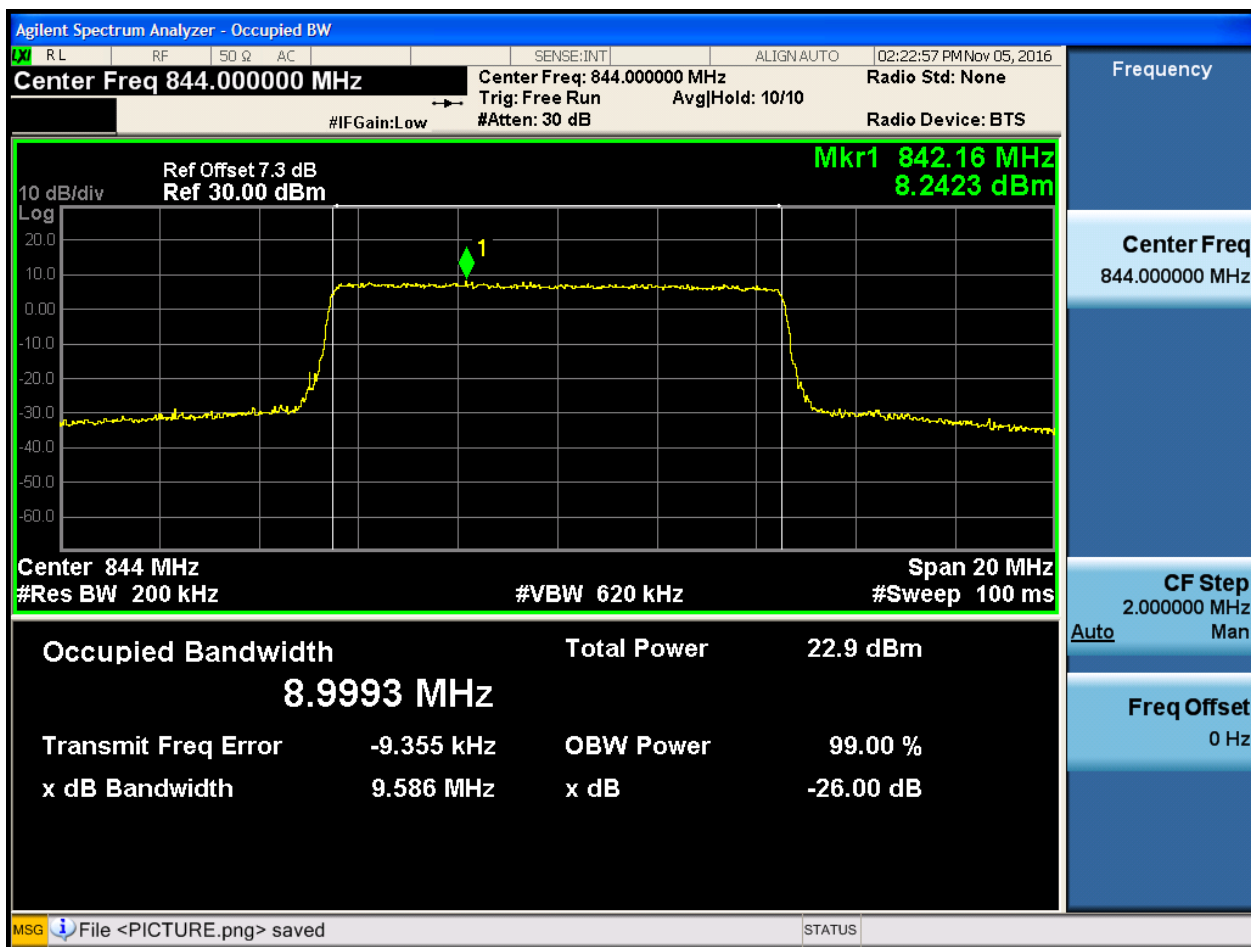
4.1.1.2.4.2 Test Channel = MCH

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

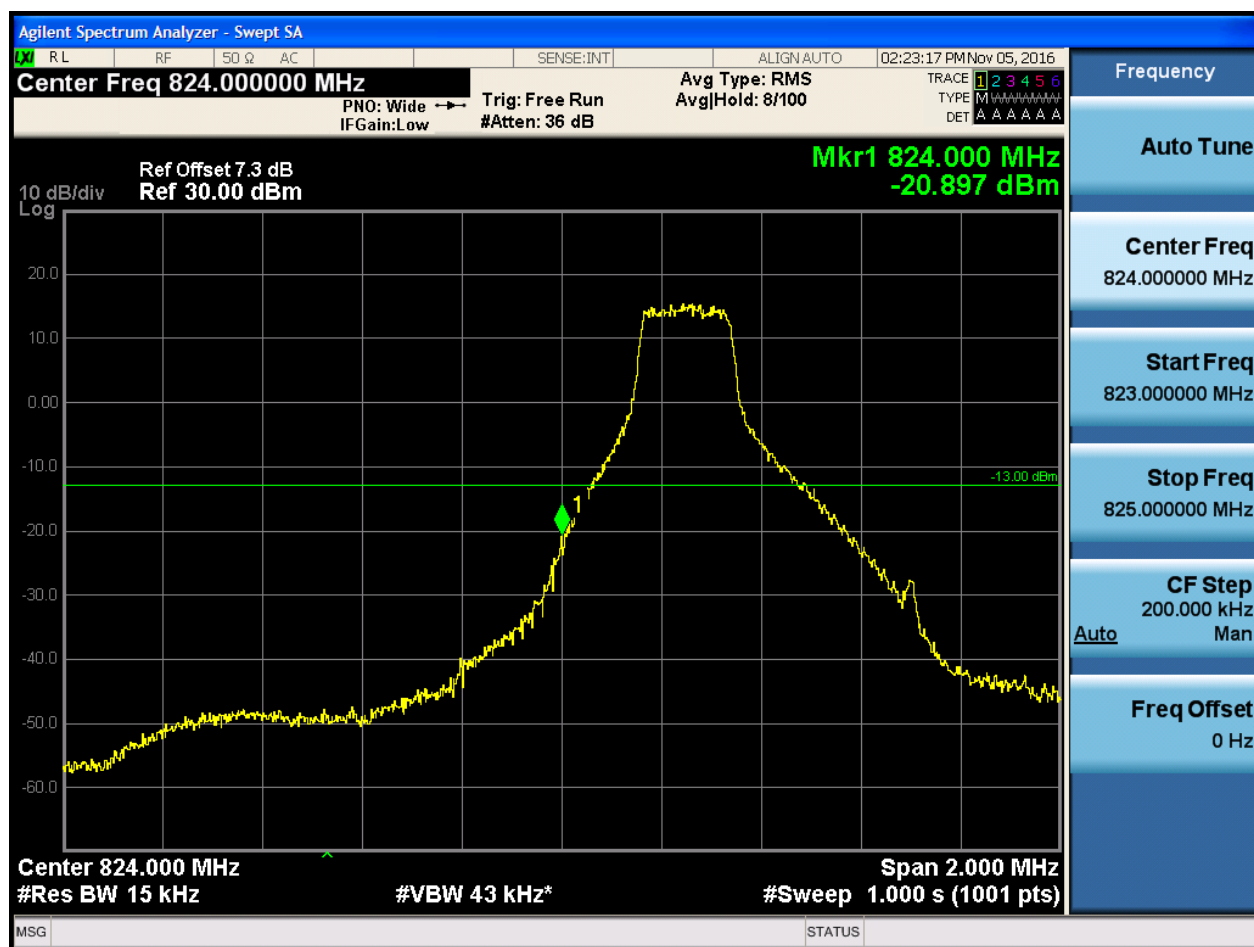
5.1.1 Test Band = BAND5

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:23:31 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain: Low #Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 823.350 MHz
-35.348 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:23:46 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-33.284 dBm

10 dB/div
Log

-13.00 dBm

Center 824.000 MHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

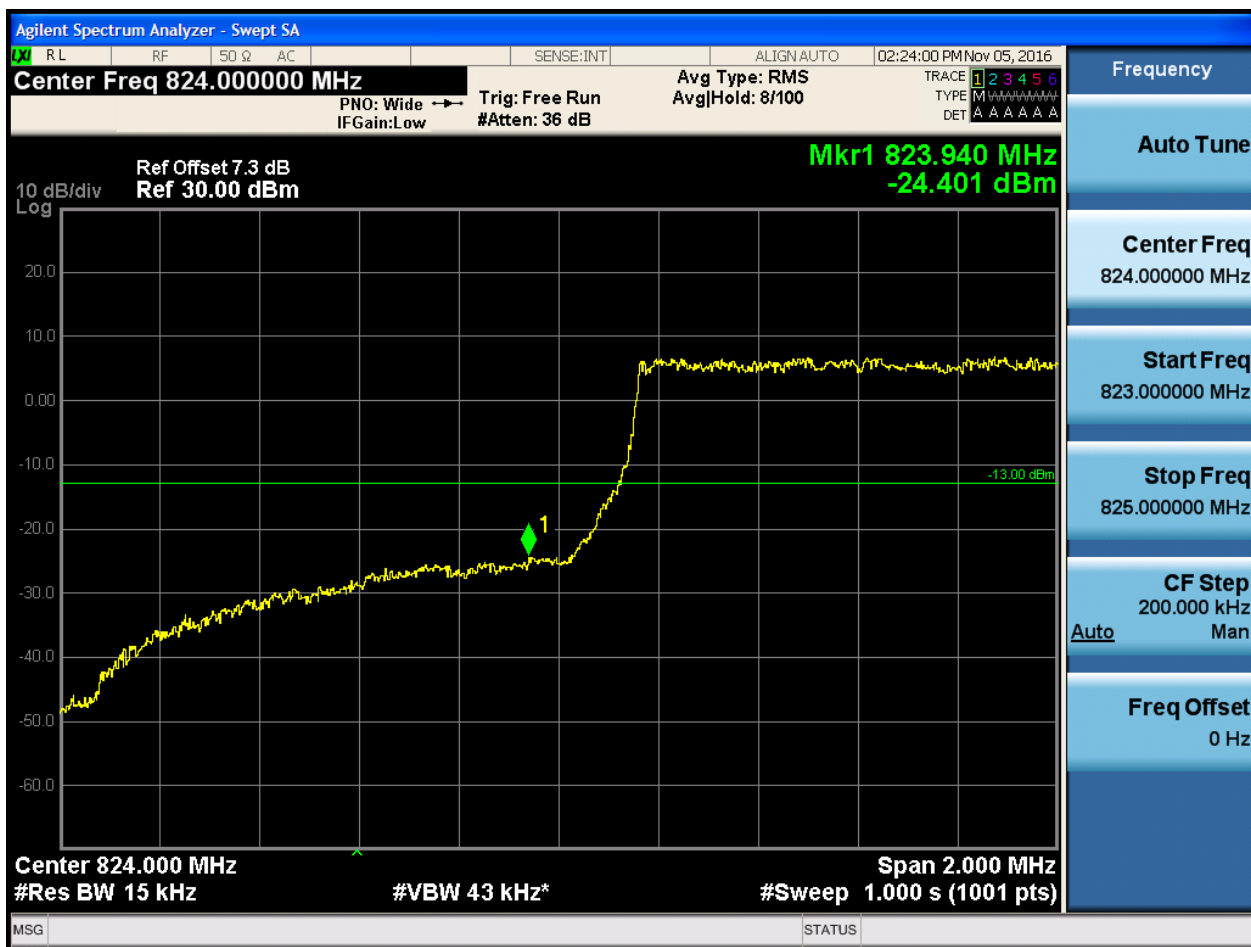
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

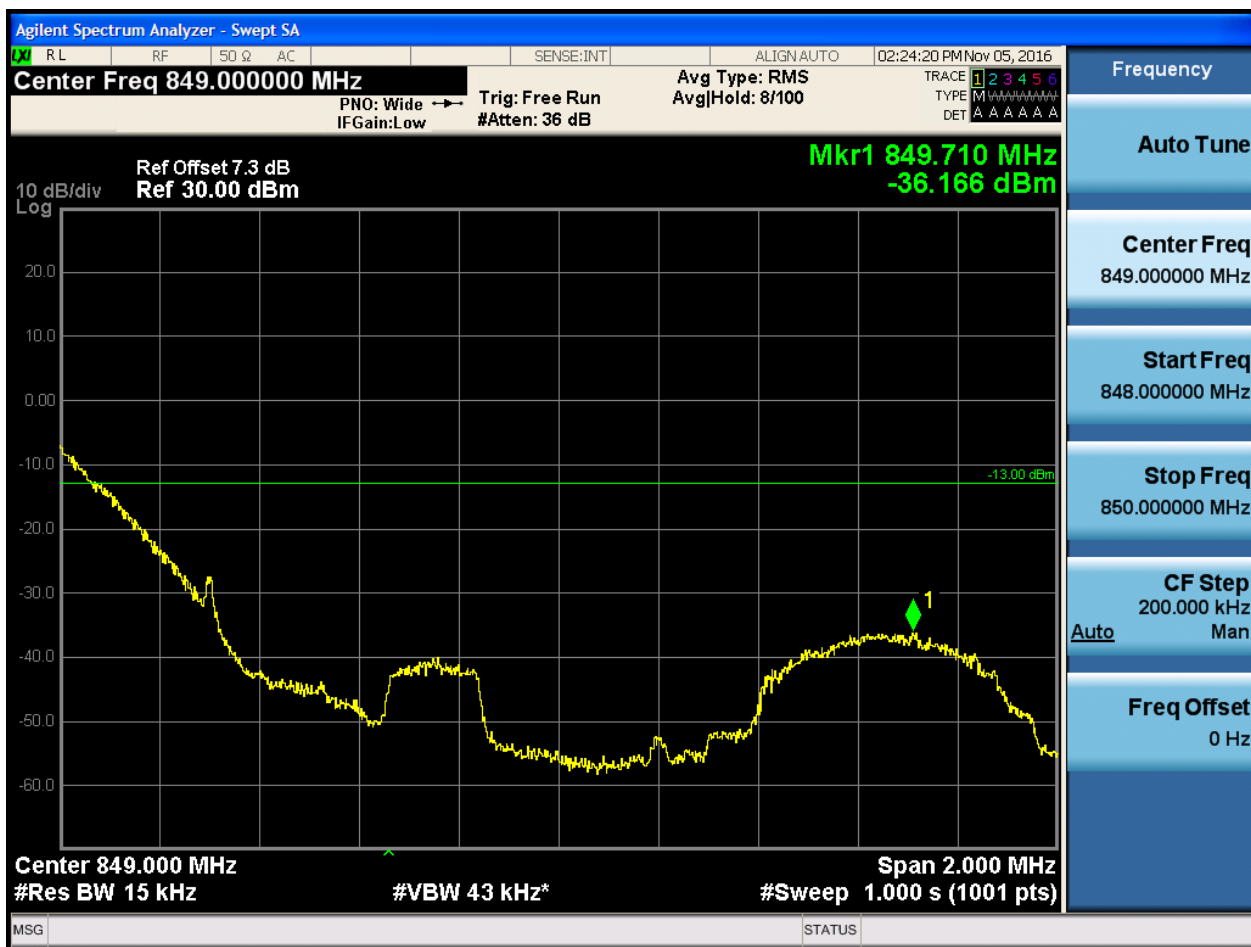


5.1.1.1.1.4 Test RB = RB6#0



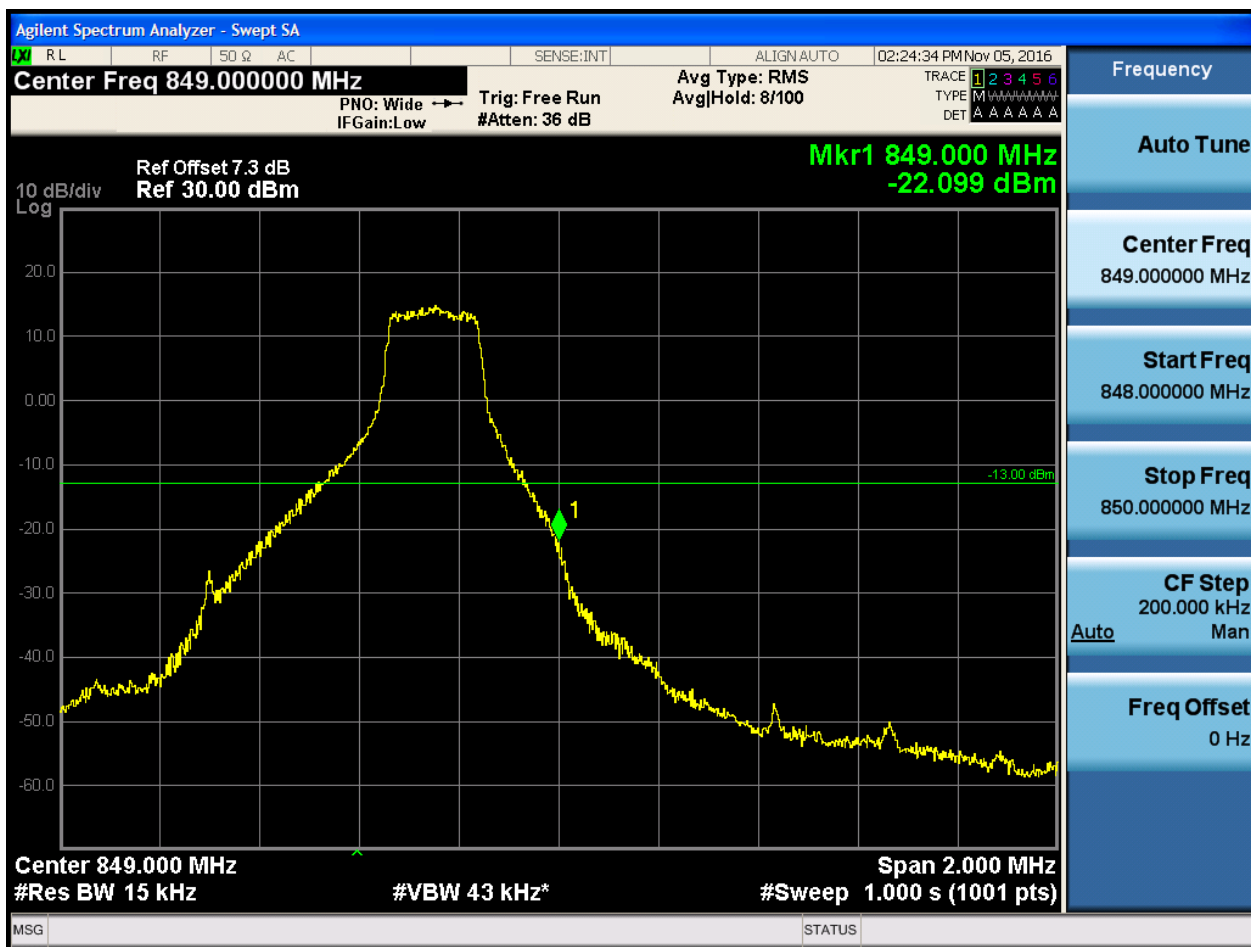
5.1.1.1.1.2 Test Channel = HCH

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

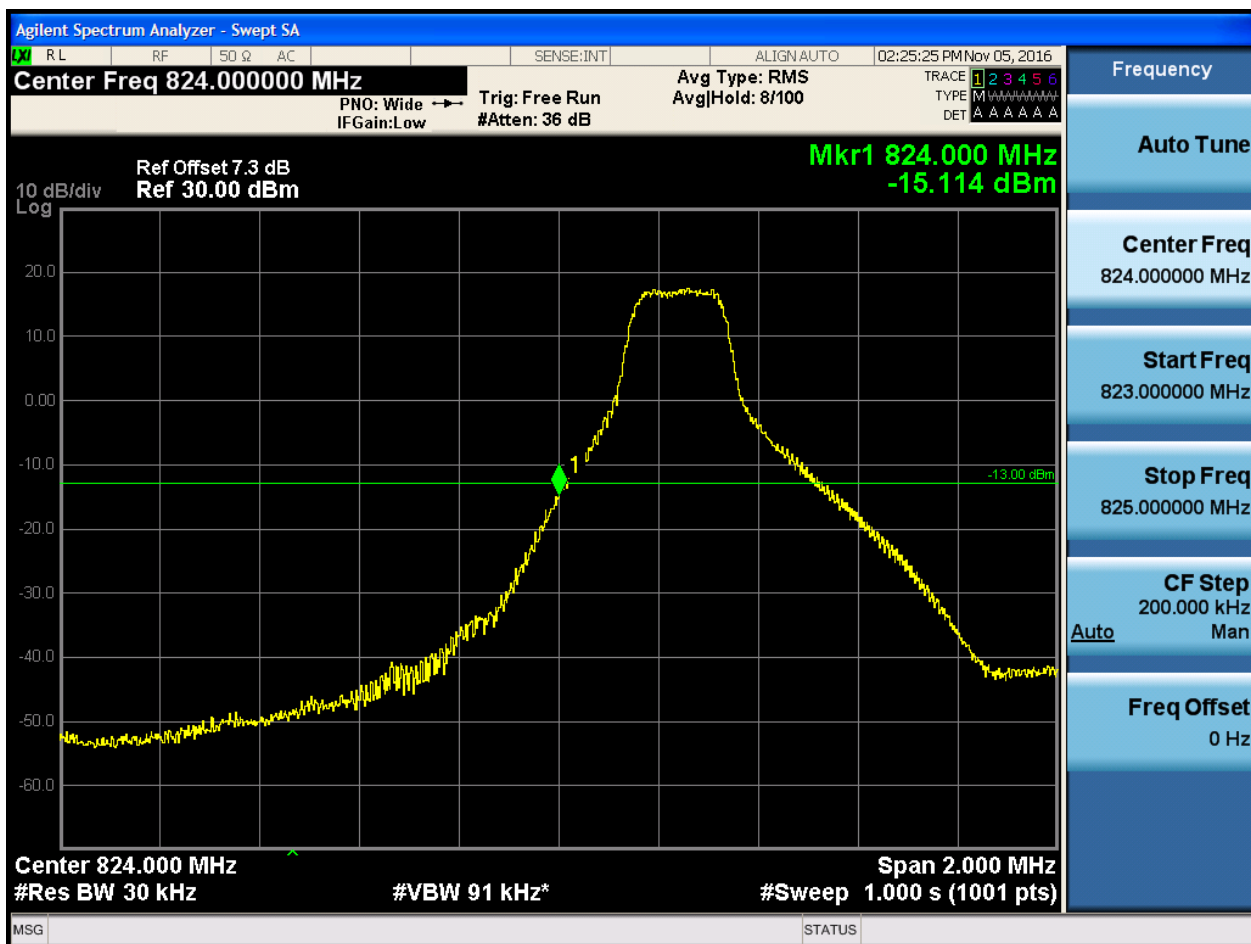




5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:25:39 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 823.720 MHz
-46.656 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 30 kHz
#VBW 91 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq
824.000000 MHz
Start Freq
823.000000 MHz
Stop Freq
825.000000 MHz
CF Step
200.000 kHz
Auto Man
Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:25:53 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-27.676 dBm

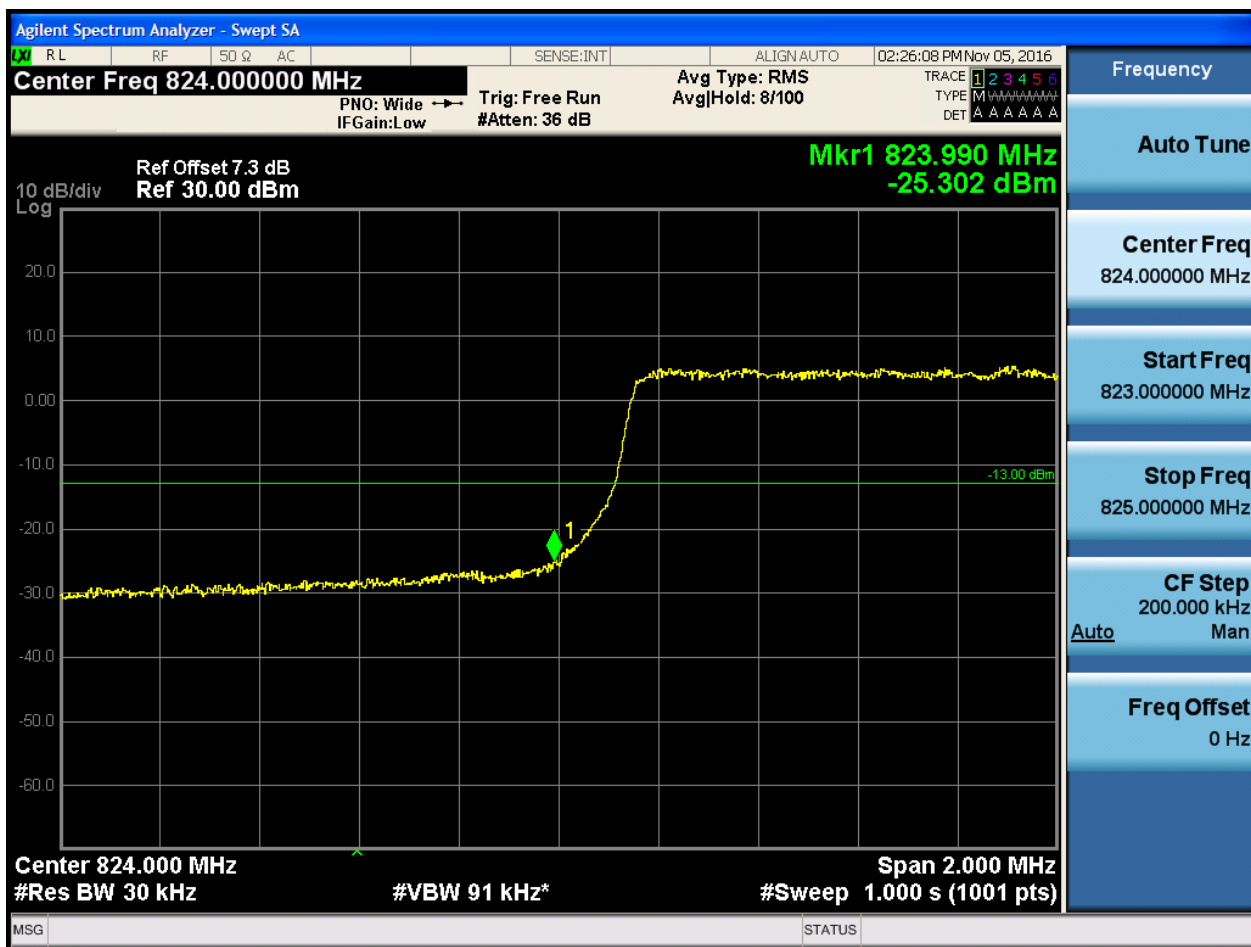
10 dB/div
Log

Center 824.000 MHz
#Res BW 30 kHz
#VBW 91 kHz
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



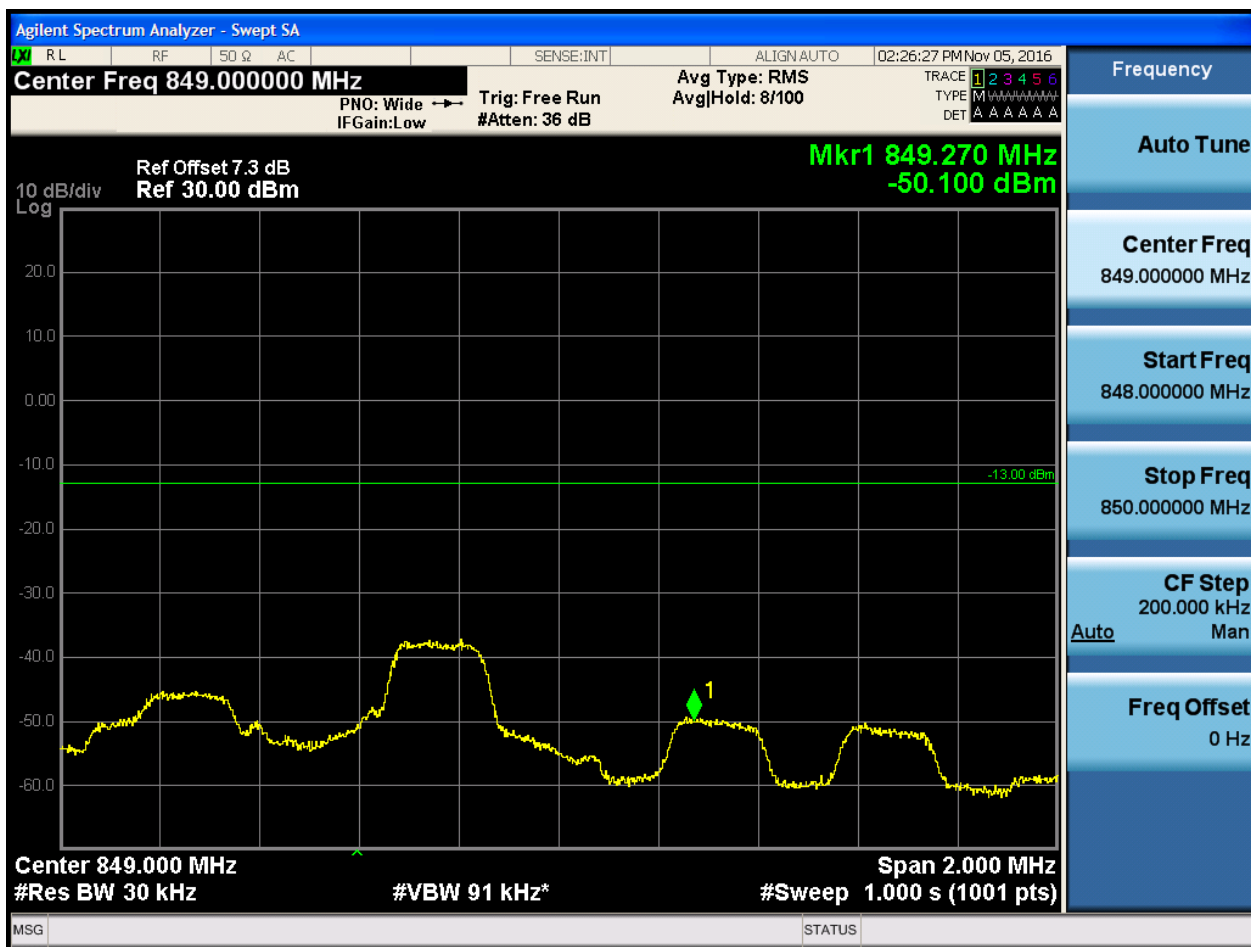
5.1.1.1.2.1.4 Test RB = RB15#0





5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:26:42 PM Nov 05, 2016

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-15.809 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 30 kHz
#VBW 91 kHz
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

MSG STATUS



5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

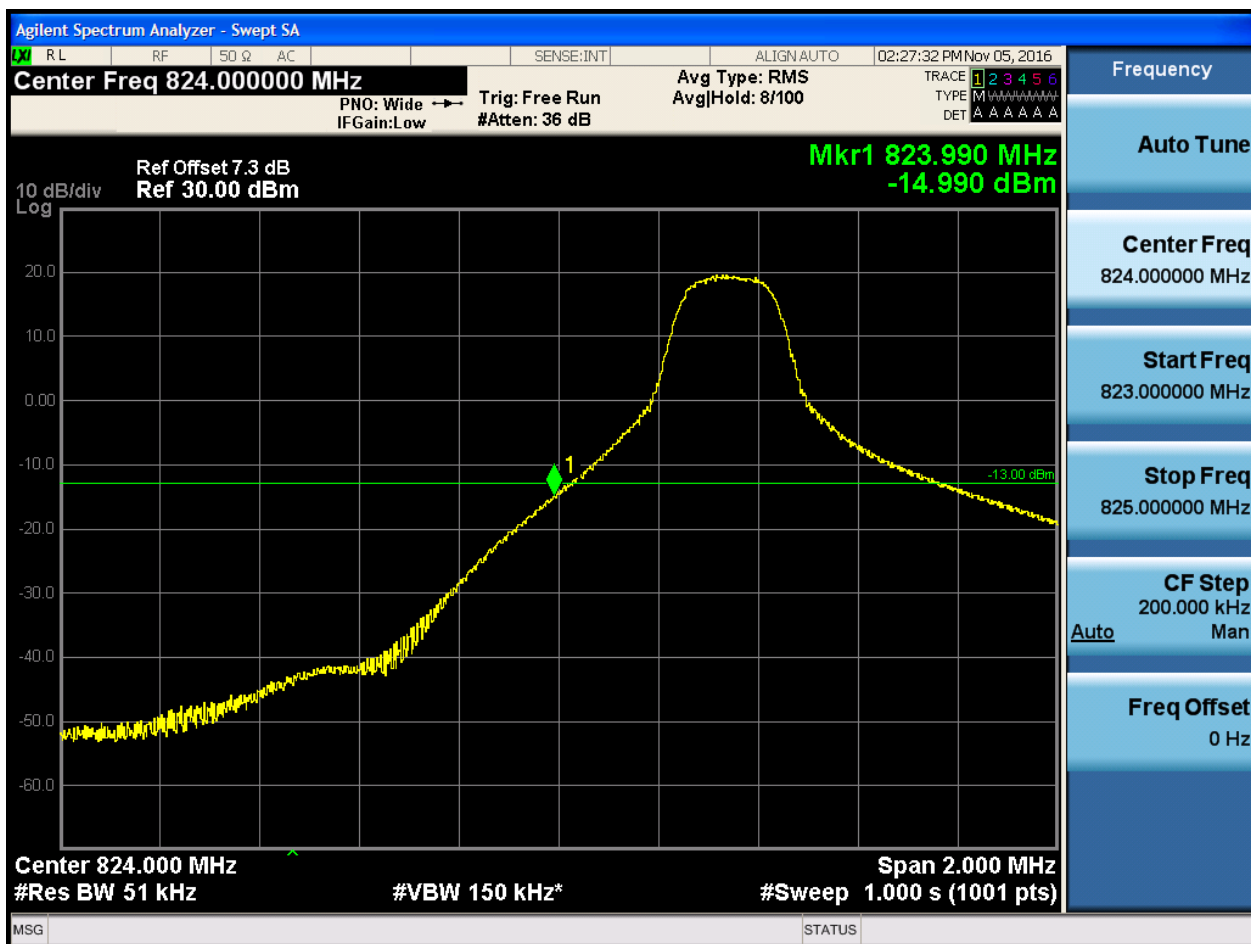




5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:27:46 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 823.580 MHz
-47.805 dBm

10 dB/div
Log

20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

Center 824.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency
Auto Tune
Center Freq
824.000000 MHz
Start Freq
823.000000 MHz
Stop Freq
825.000000 MHz
CF Step
200.000 kHz
Auto Man
Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:28:01 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 823.890 MHz
-29.397 dBm

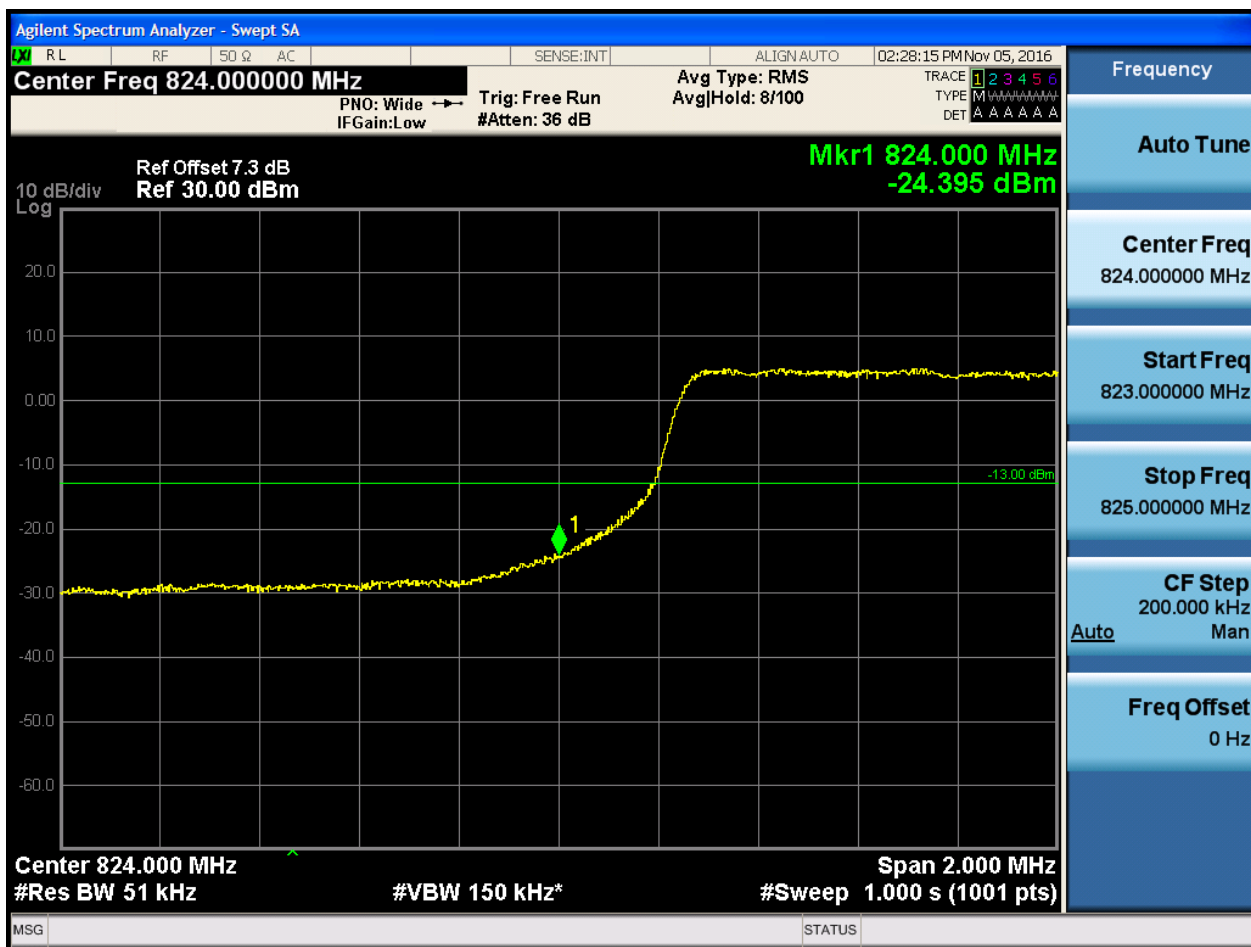
10 dB/div
Log

Center 824.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



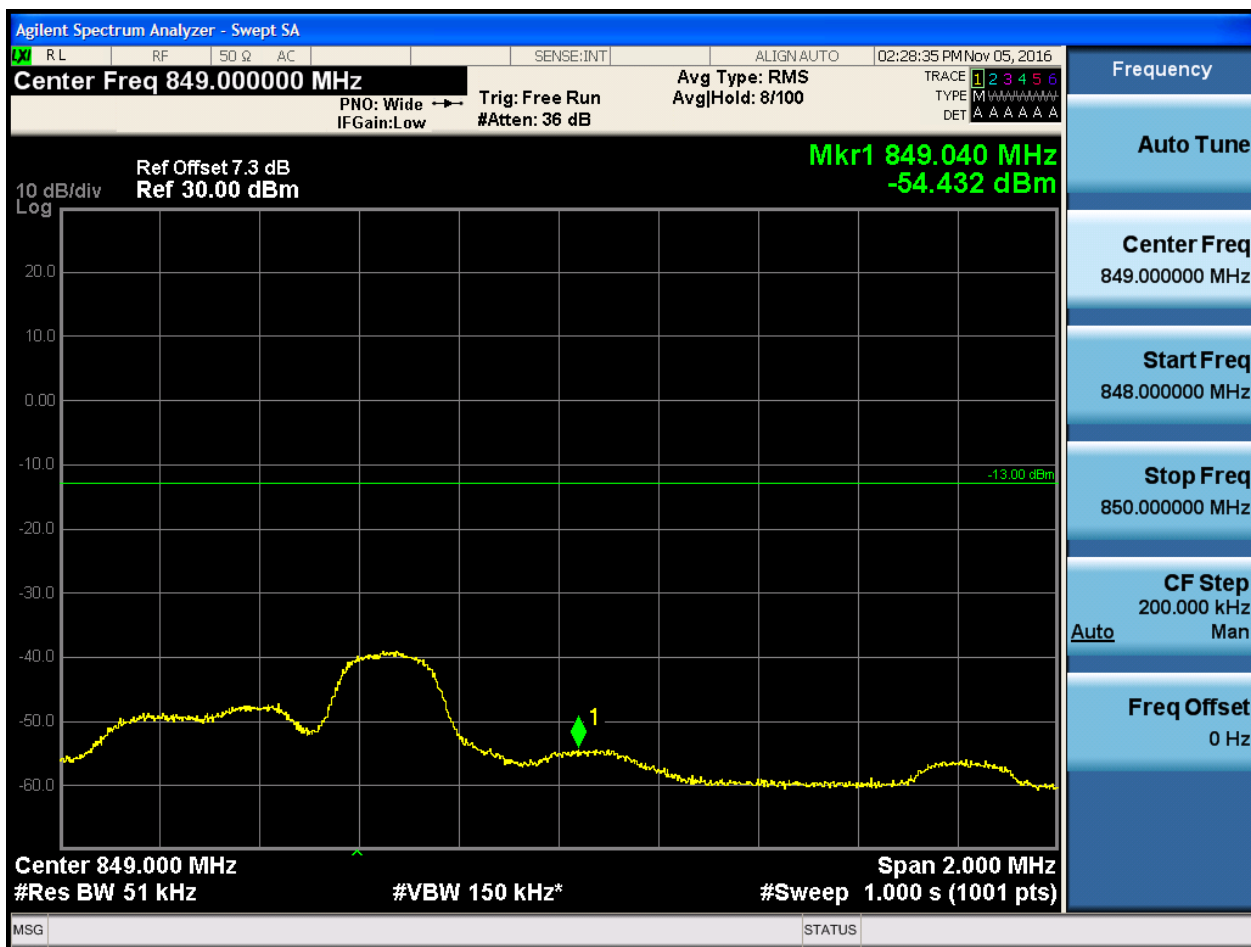
5.1.1.1.3.1.4 Test RB = RB25#0





5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:28:49 PM Nov 05, 2016

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-14.952 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0







Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:29:54 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 823.990 MHz
-49.986 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:30:09 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
 PNO: Wide → Trig: Free Run
 IFGain:Low #Atten: 36 dB

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

Ref Offset 7.3 dB
 Ref 30.00 dBm

Mkr1 823.820 MHz
 -32.236 dBm

10 dB/div
 Log

Center 824.000 MHz
 #Res BW 100 kHz
 #VBW 300 kHz*
 Span 2.000 MHz
 #Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:30:23 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-27.427 dBm

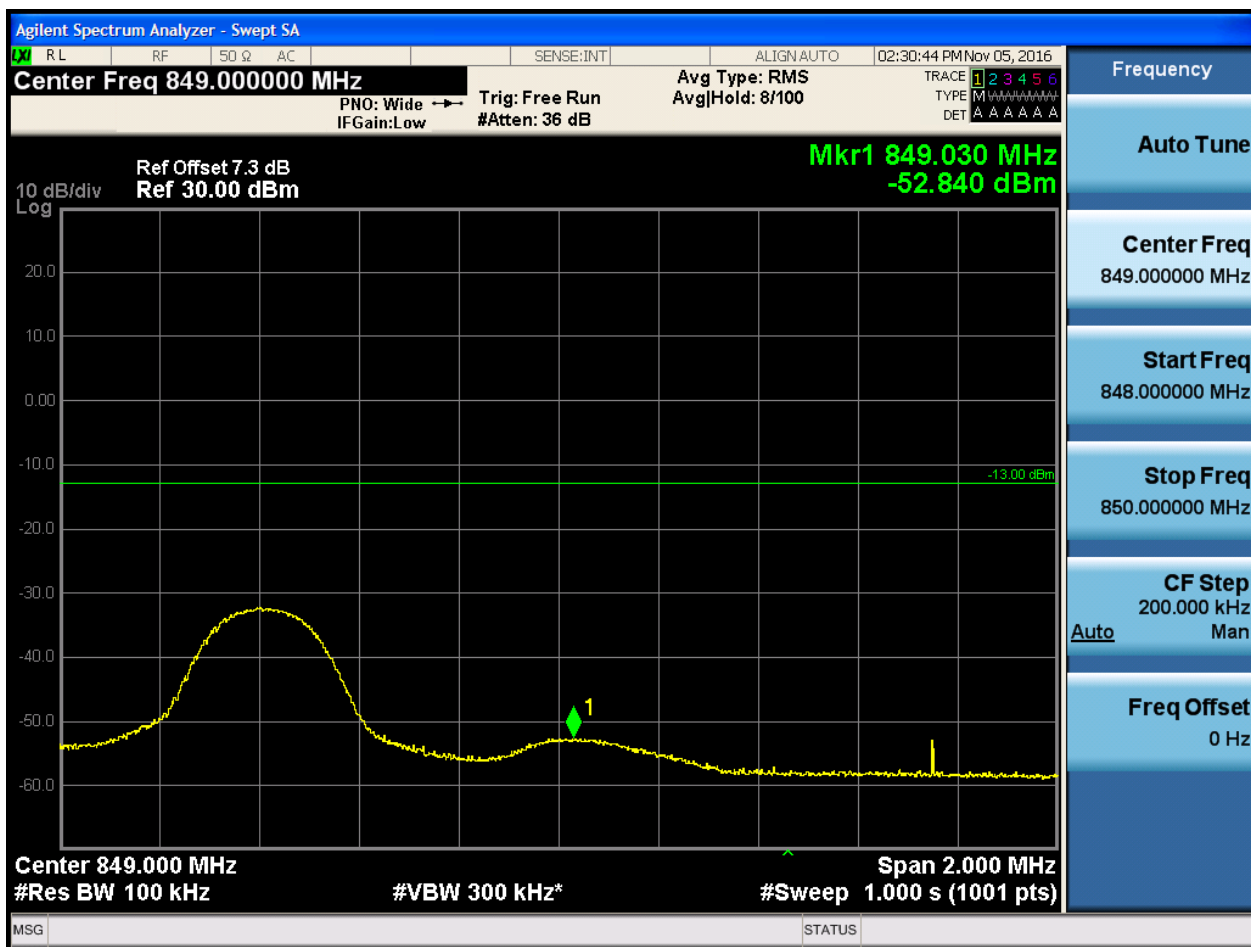
10 dB/div
Log

Center 824.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

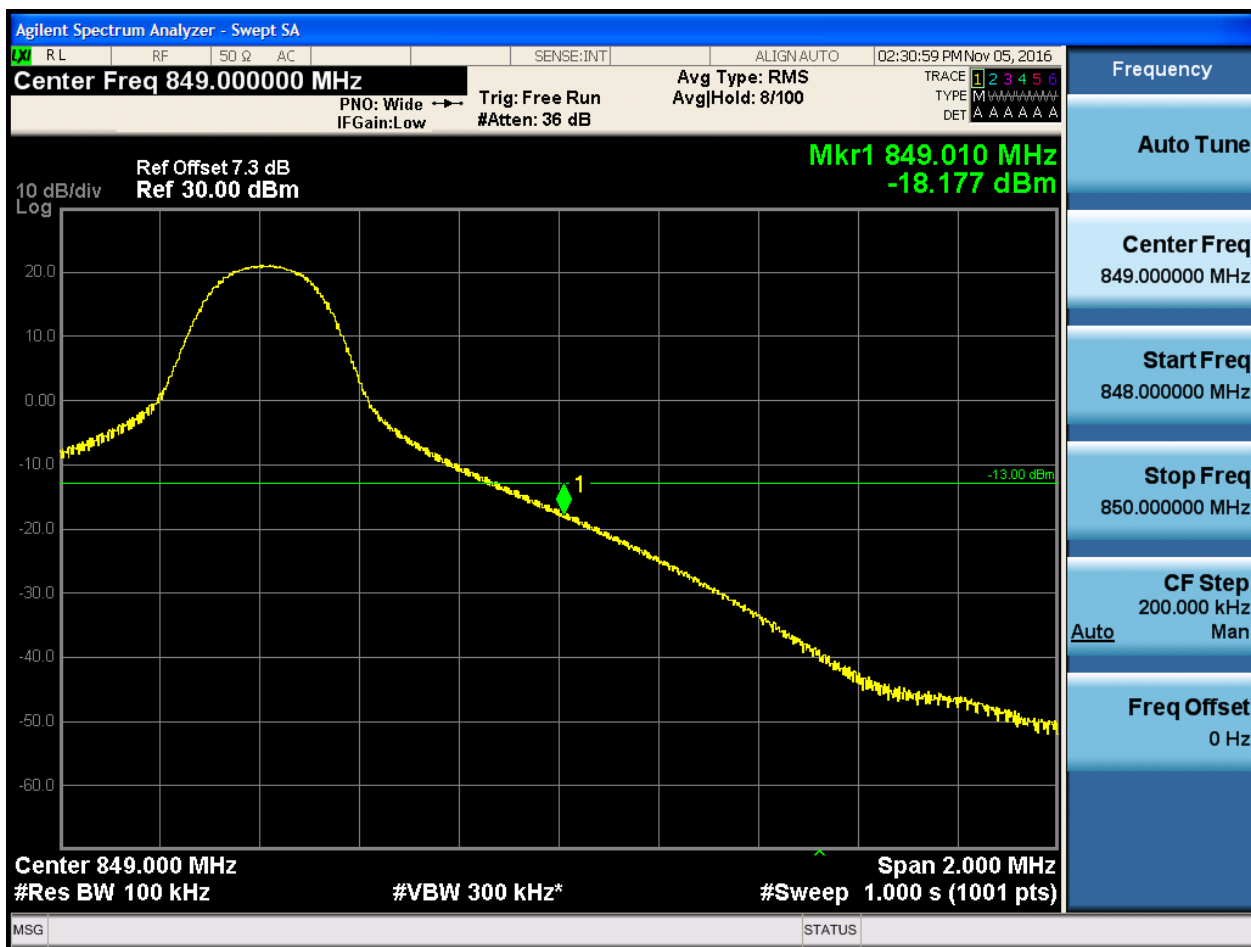
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:31:13 PM Nov 05, 2016

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-34.313 dBm

10 dB/div
Log

-13.00 dBm

1

Center 849.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:31:28 PM Nov 05, 2016

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

10 dB/div
Log

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-29.980 dBm

Center 849.000 MHz
#Res BW 100 kHz #VBW 300 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

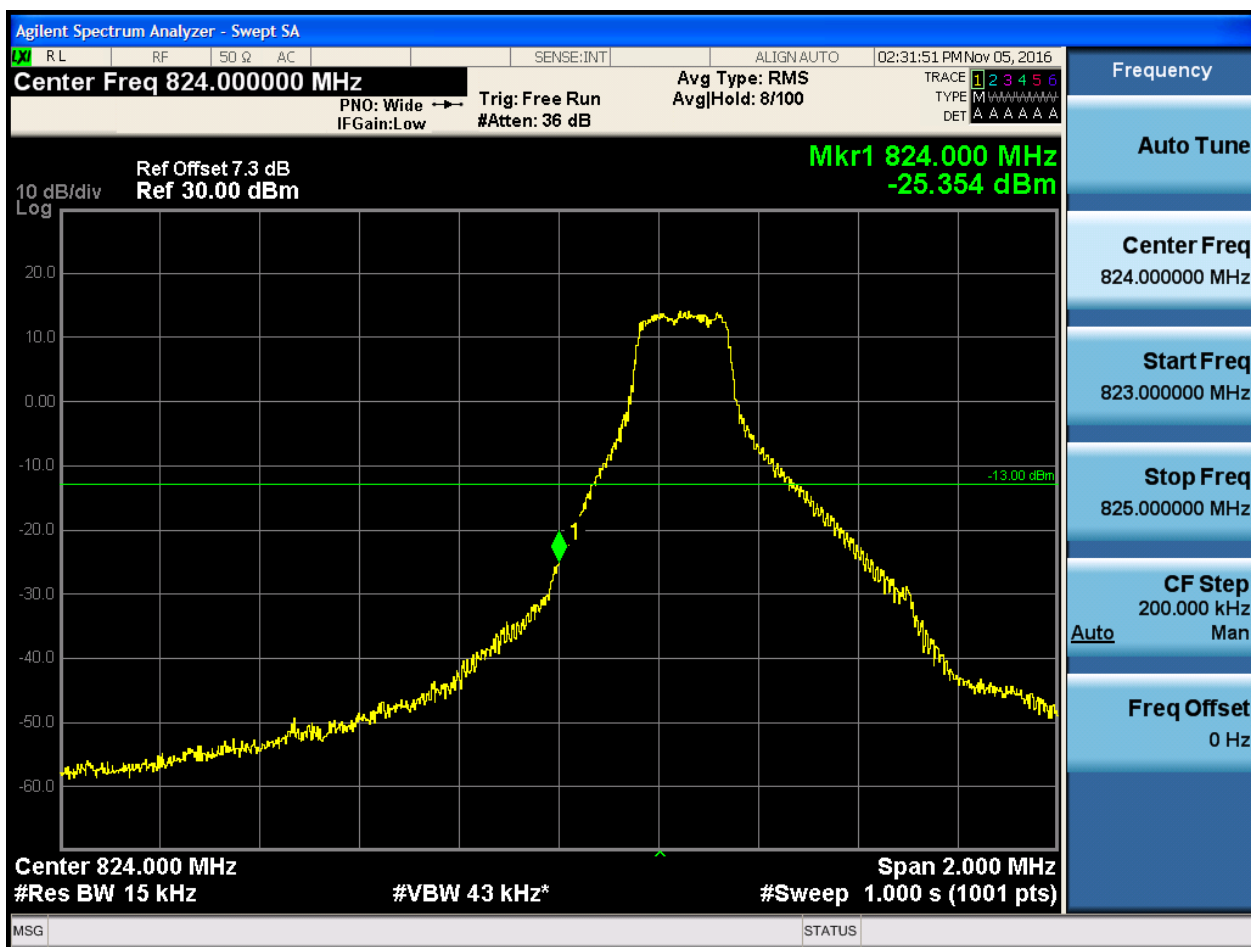


5.1.1.2 Test Mode = LTE/TM2

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:32:05 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 823.340 MHz
-34.487 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:32:20 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-36.867 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 15 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 43 kHz*

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:32:34 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 823.990 MHz
-25.925 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

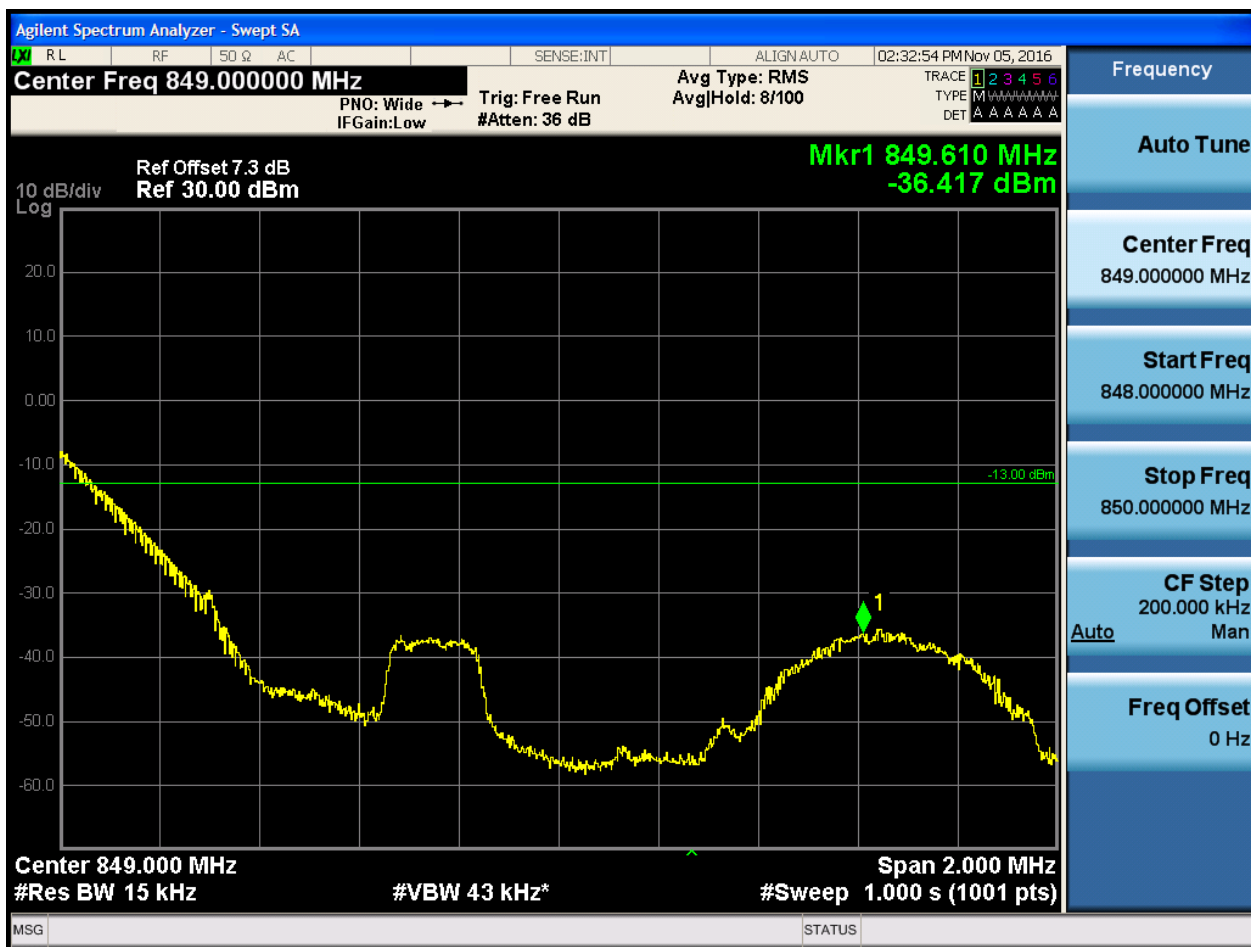
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

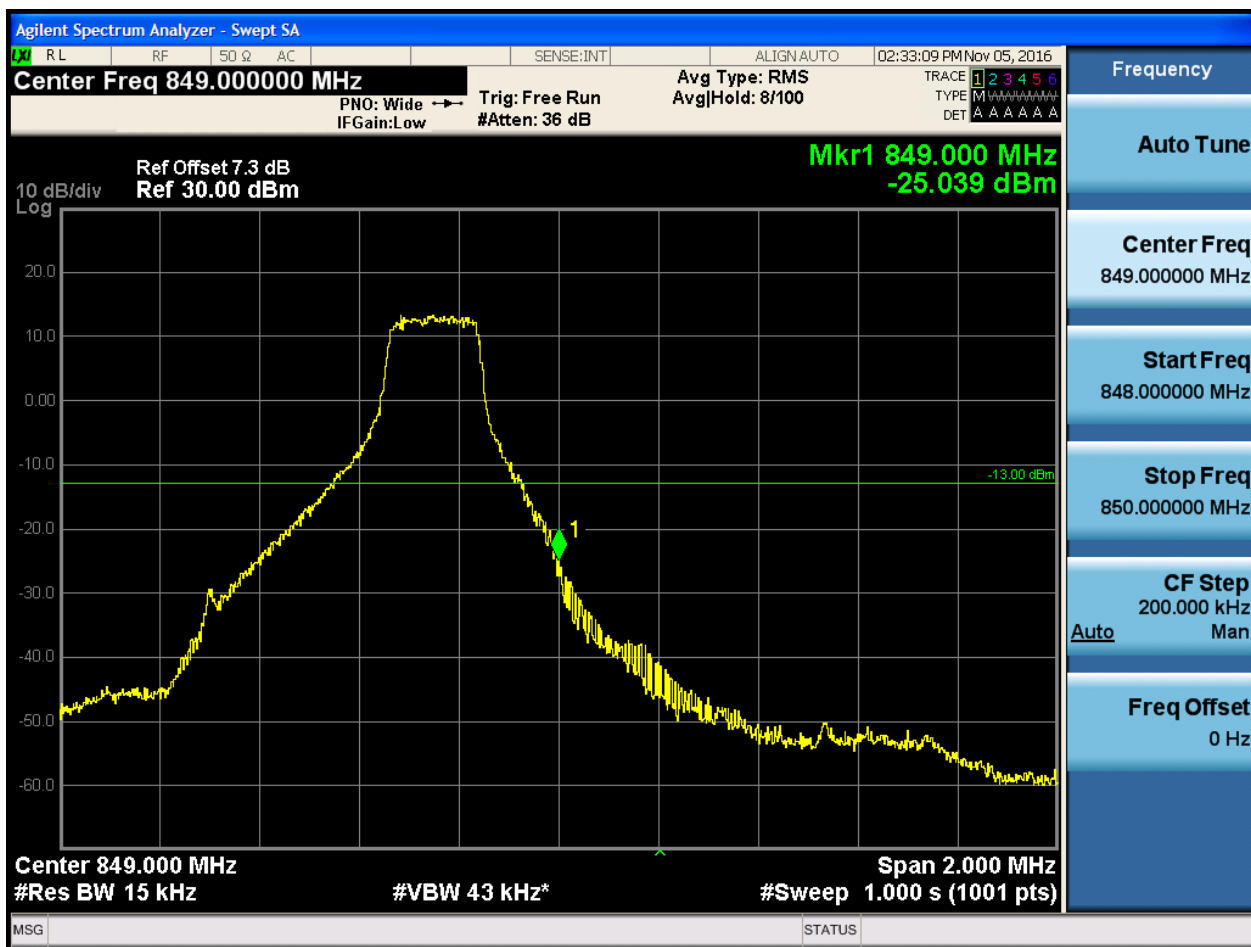
5.1.1.2.1.2 Test Channel = HCH

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:33:38 PM Nov 05, 2016

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 849.020 MHz
-28.406 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

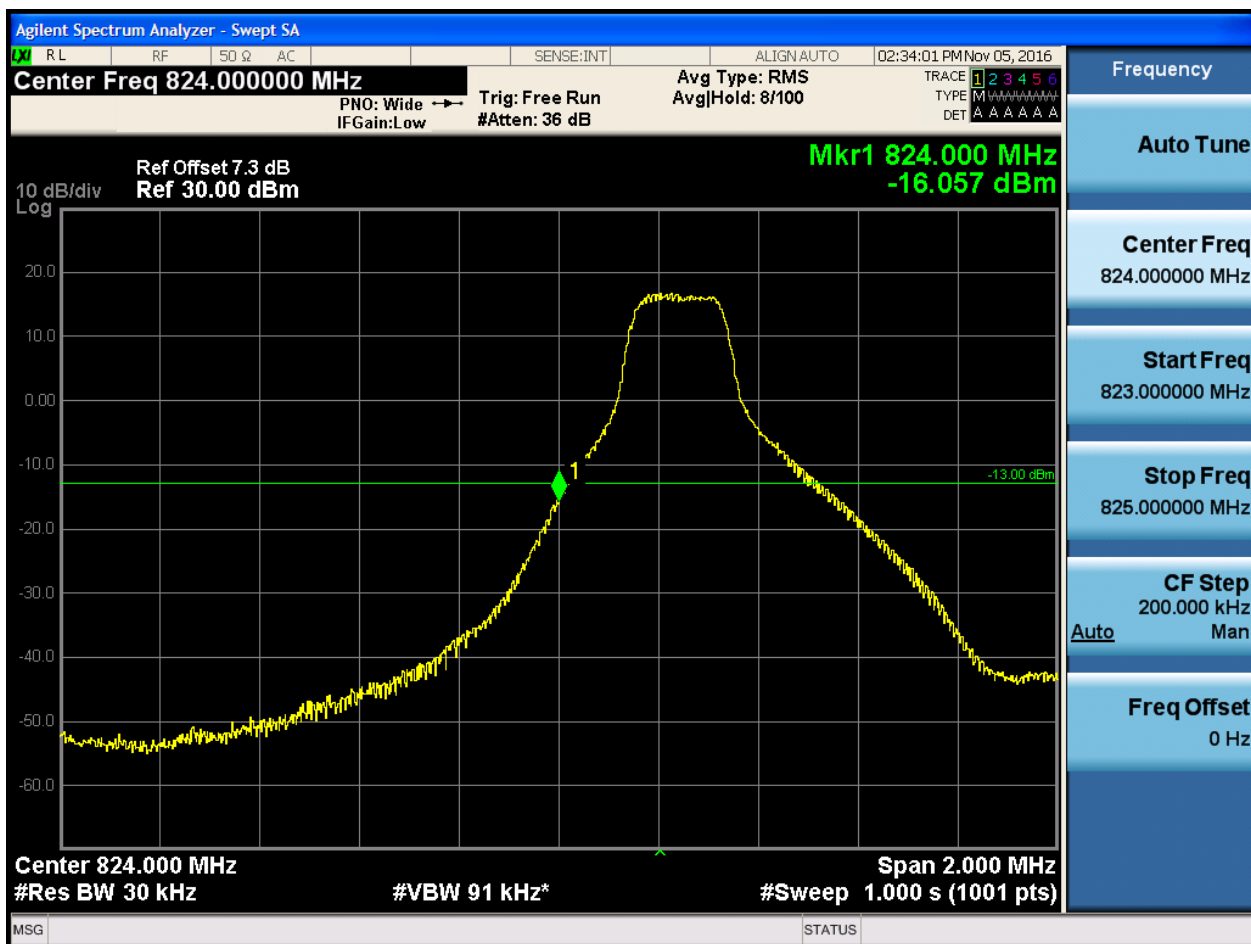
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:34:15 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

10 dB/div Log Ref Offset 7.3 dB Ref 30.00 dBm

Mkr1 823.670 MHz -47.549 dBm

-13.00 dBm

Center 824.000 MHz Span 2.000 MHz
#Res BW 30 kHz #VBW 91 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:34:30 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-30.444 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 30 kHz
#VBW 91 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

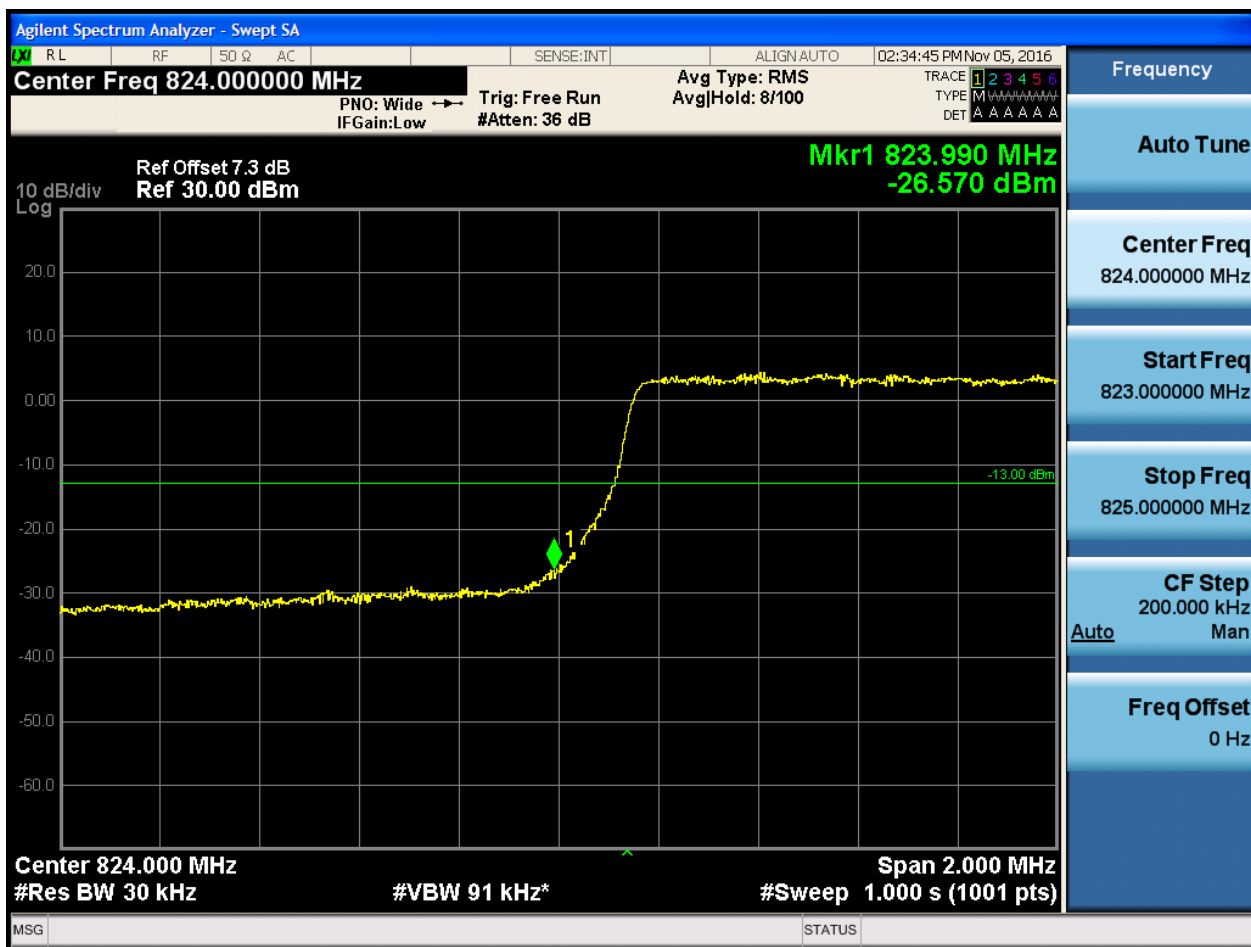
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

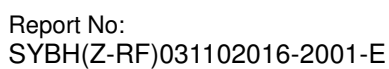


5.1.1.2.2.1.4 Test RB = RB15#0



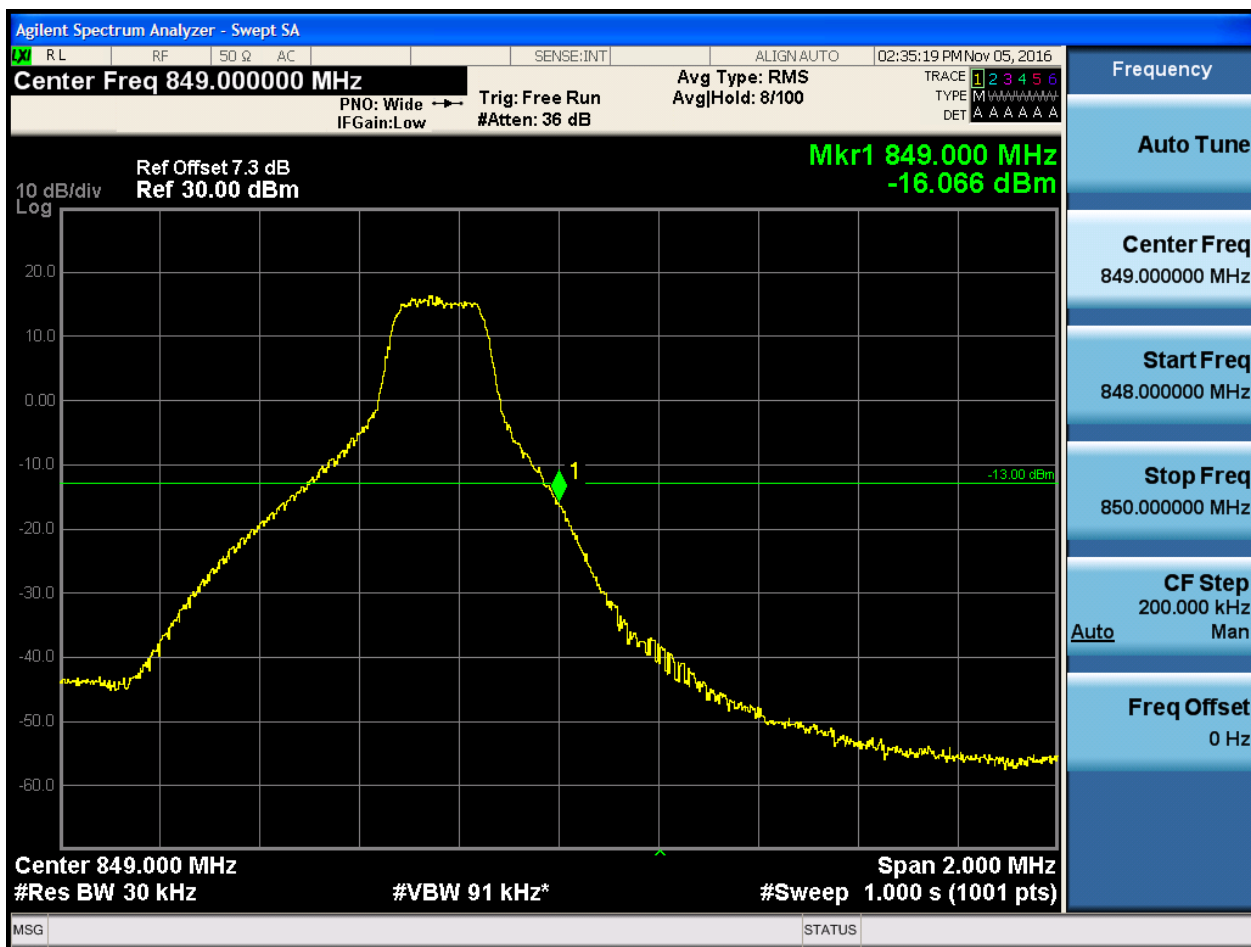


5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





5.1.1.2.2.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:35:49 PM Nov 05, 2016

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-28.547 dBm

10 dB/div
Log

-13.00 dBm

Center 849.000 MHz
#Res BW 30 kHz
#VBW 91 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

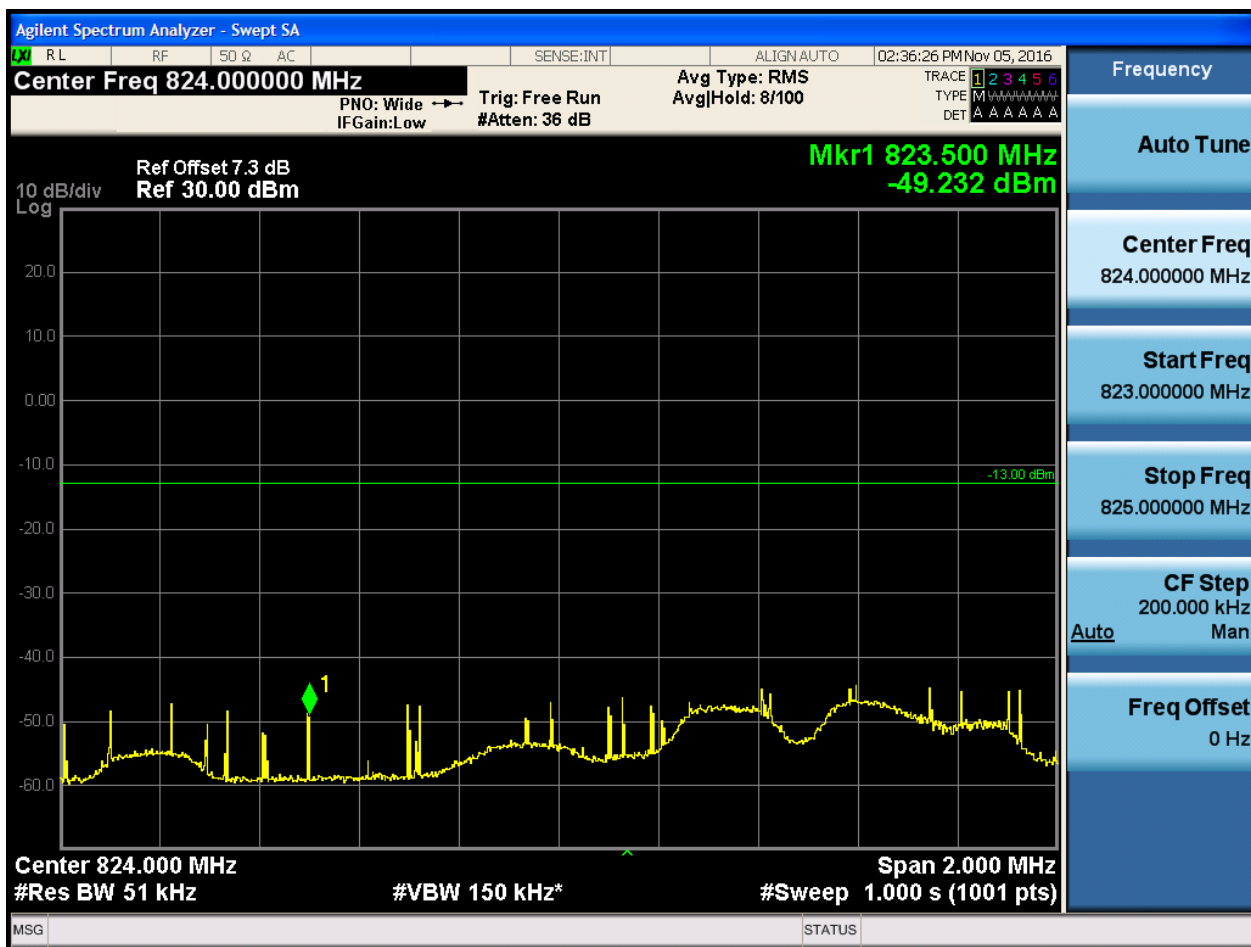
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



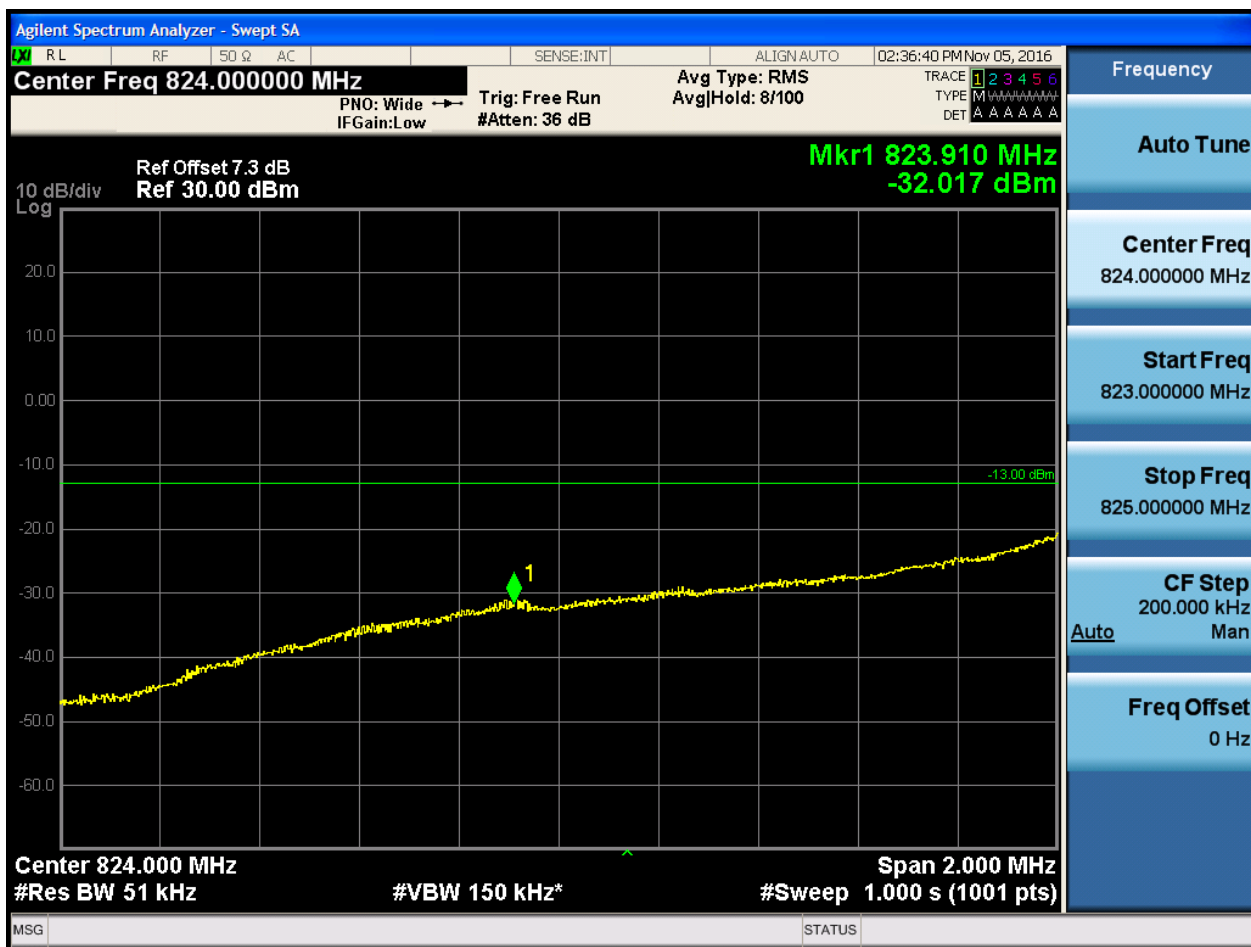


5.1.1.2.3.1.2 Test RB = RB1#24



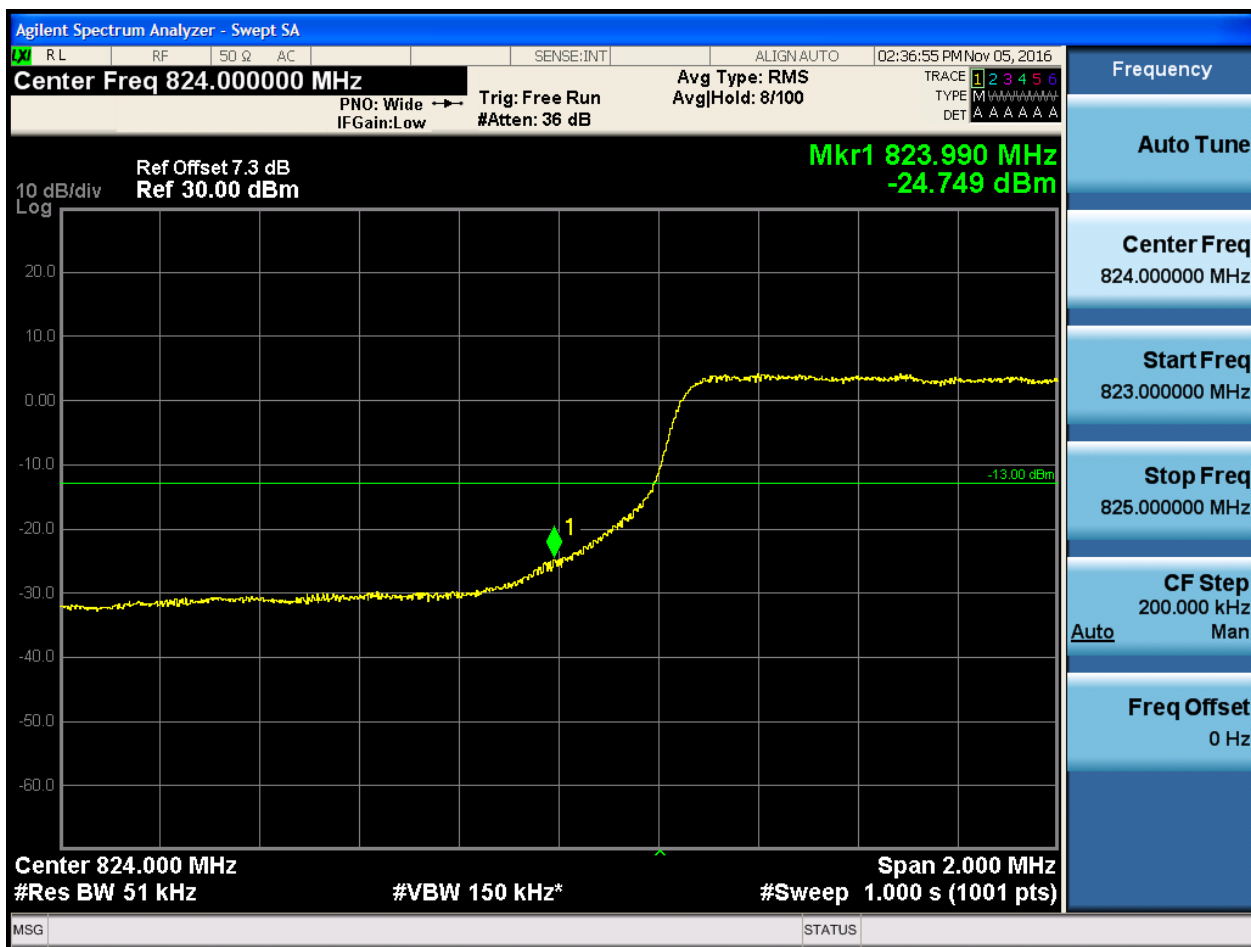


5.1.1.2.3.1.3 Test RB = RB12#6





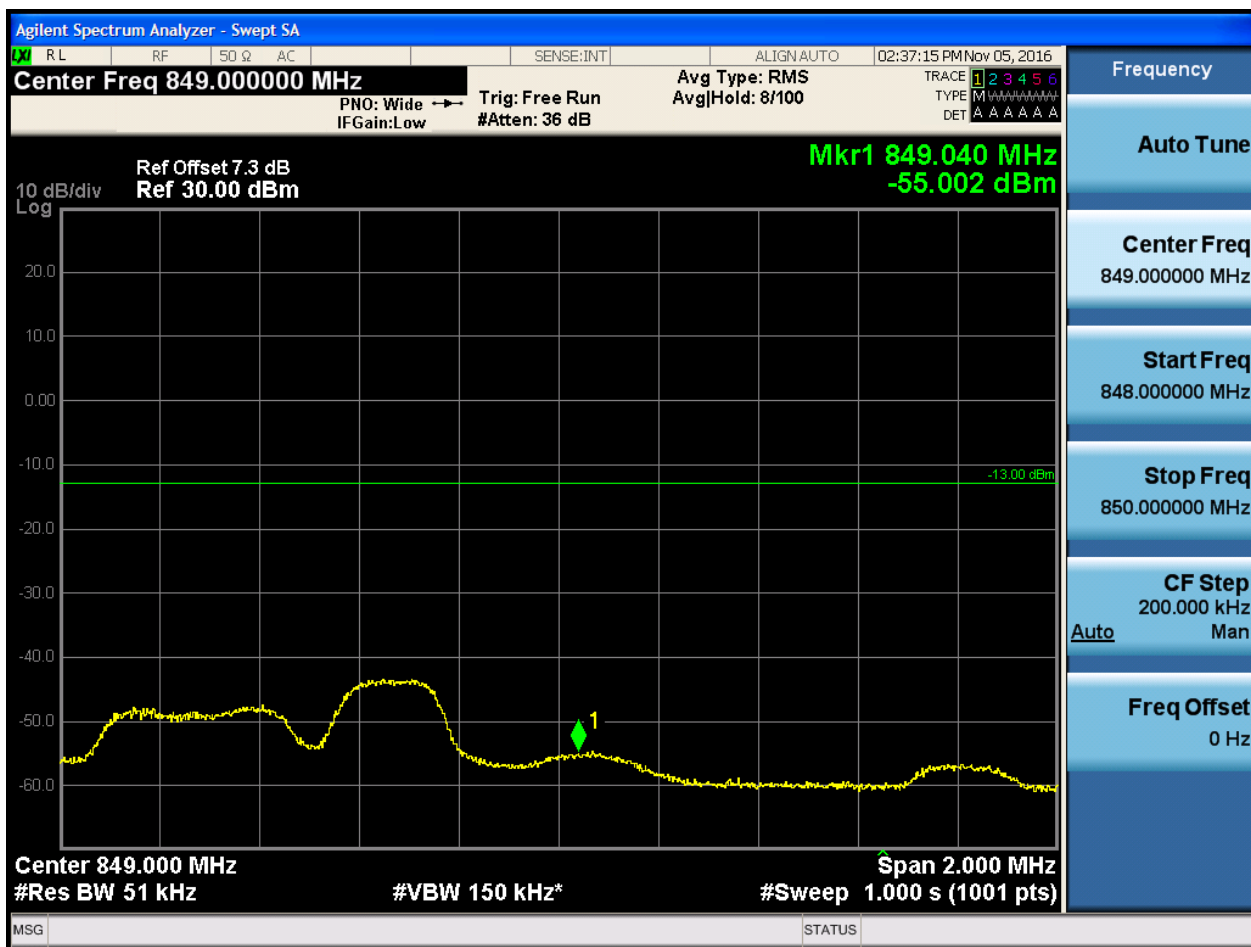
5.1.1.2.3.1.4 Test RB = RB25#0





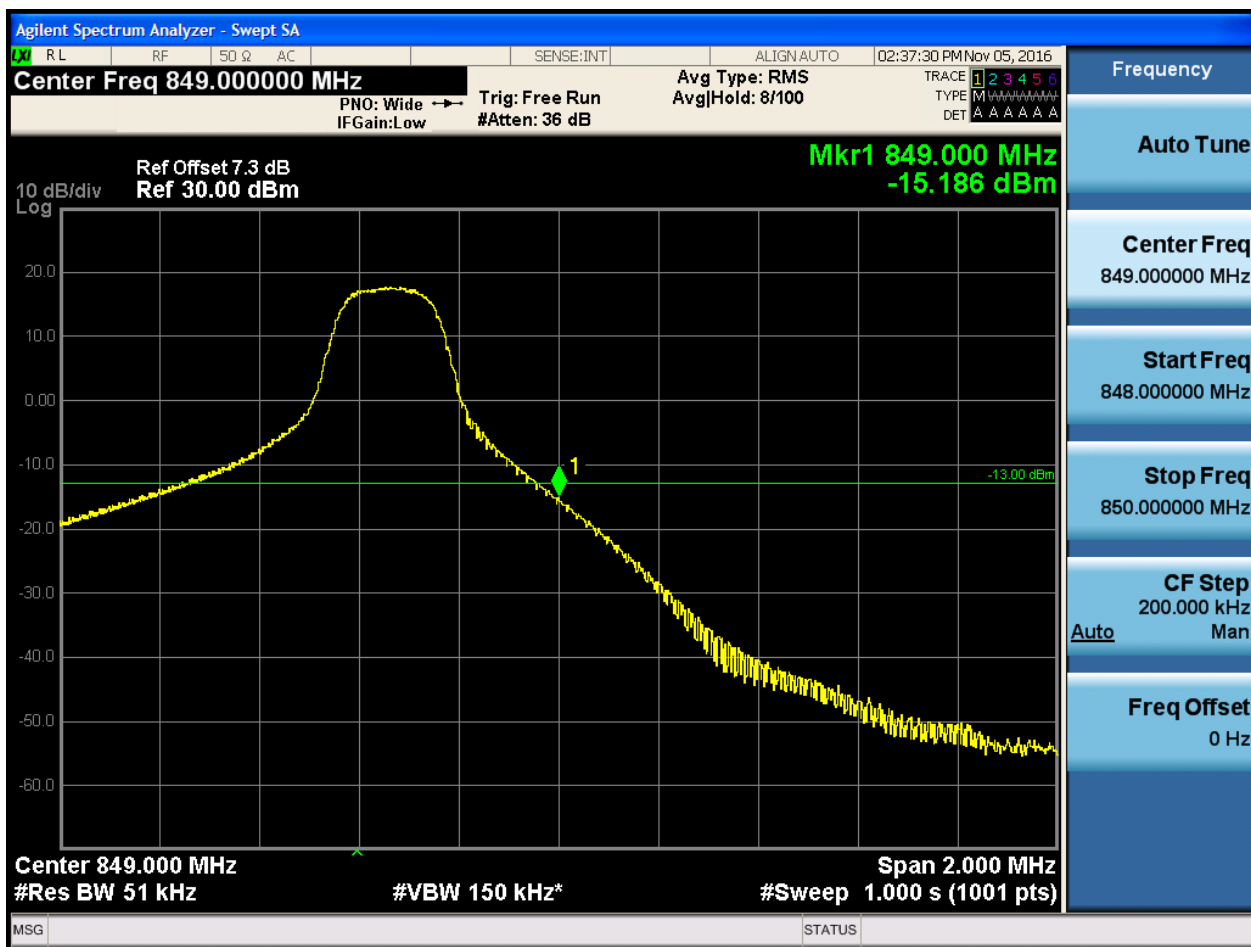
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:37:44 PM Nov 05, 2016

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 849.010 MHz
-34.230 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



5.1.1.2.3.2.4 Test RB = RB25#0

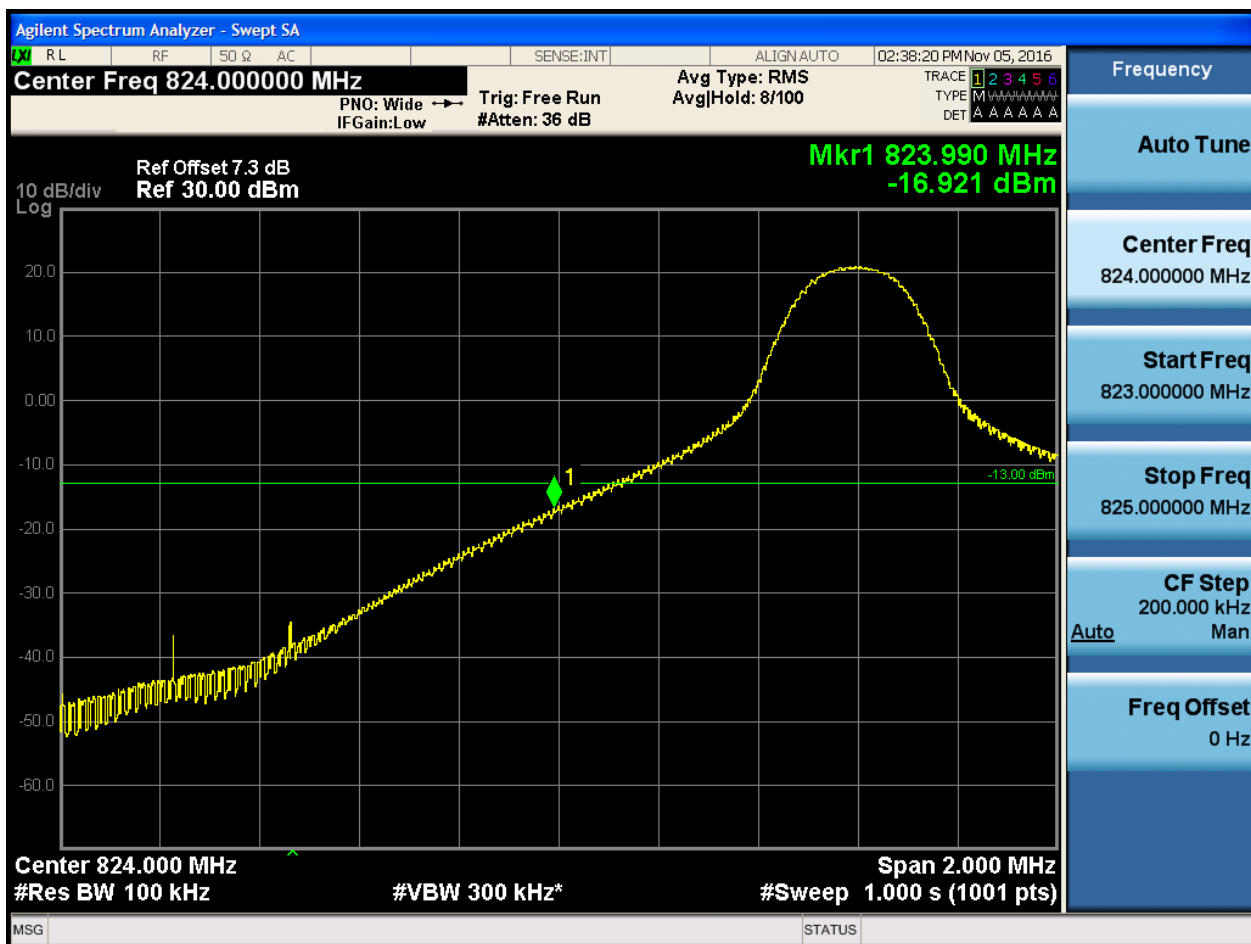




5.1.1.2.4 Test Bandwidth = 10

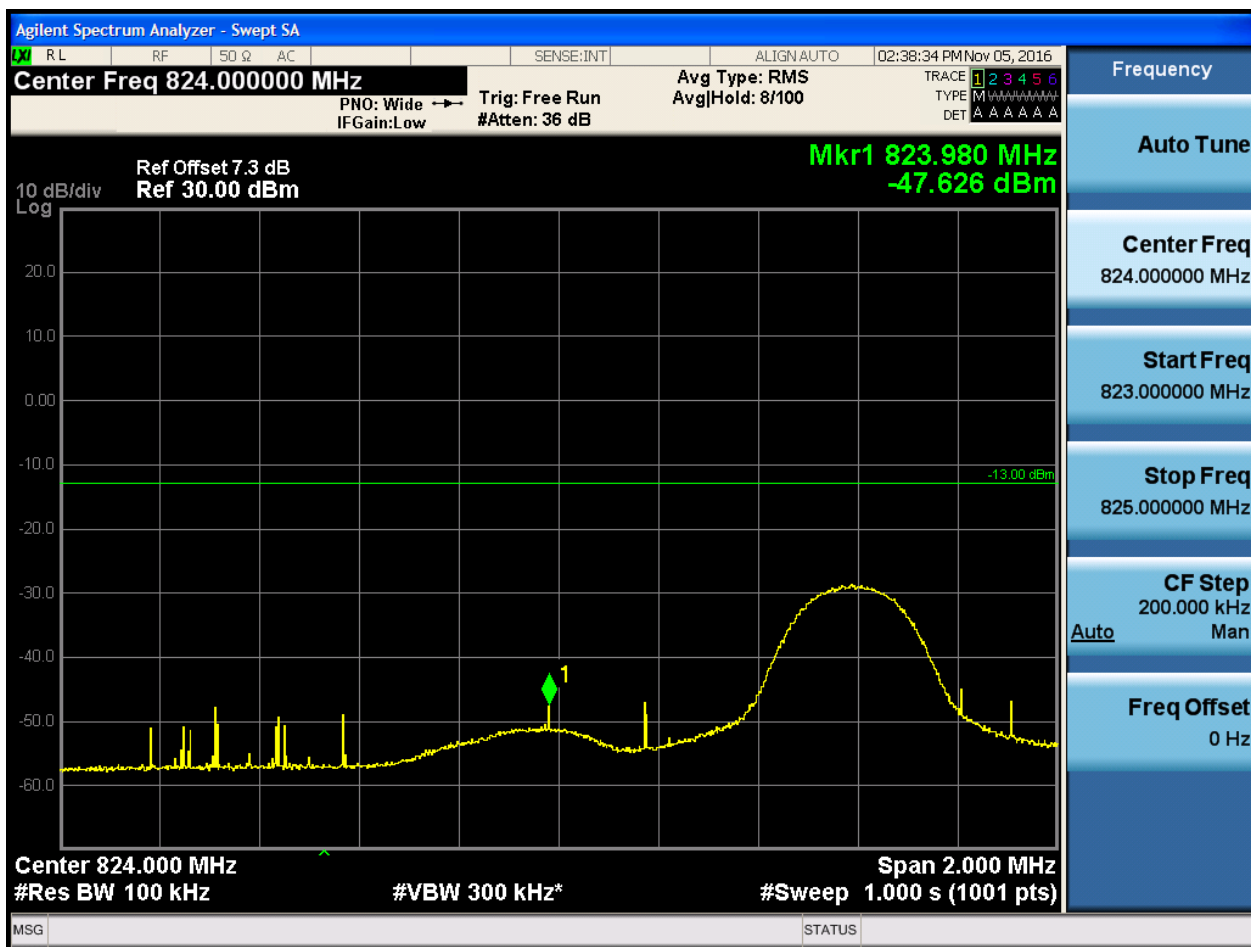
5.1.1.2.4.1 Test Channel = LCH

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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:38:49 PM Nov 05, 2016

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 823.970 MHz
-34.334 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



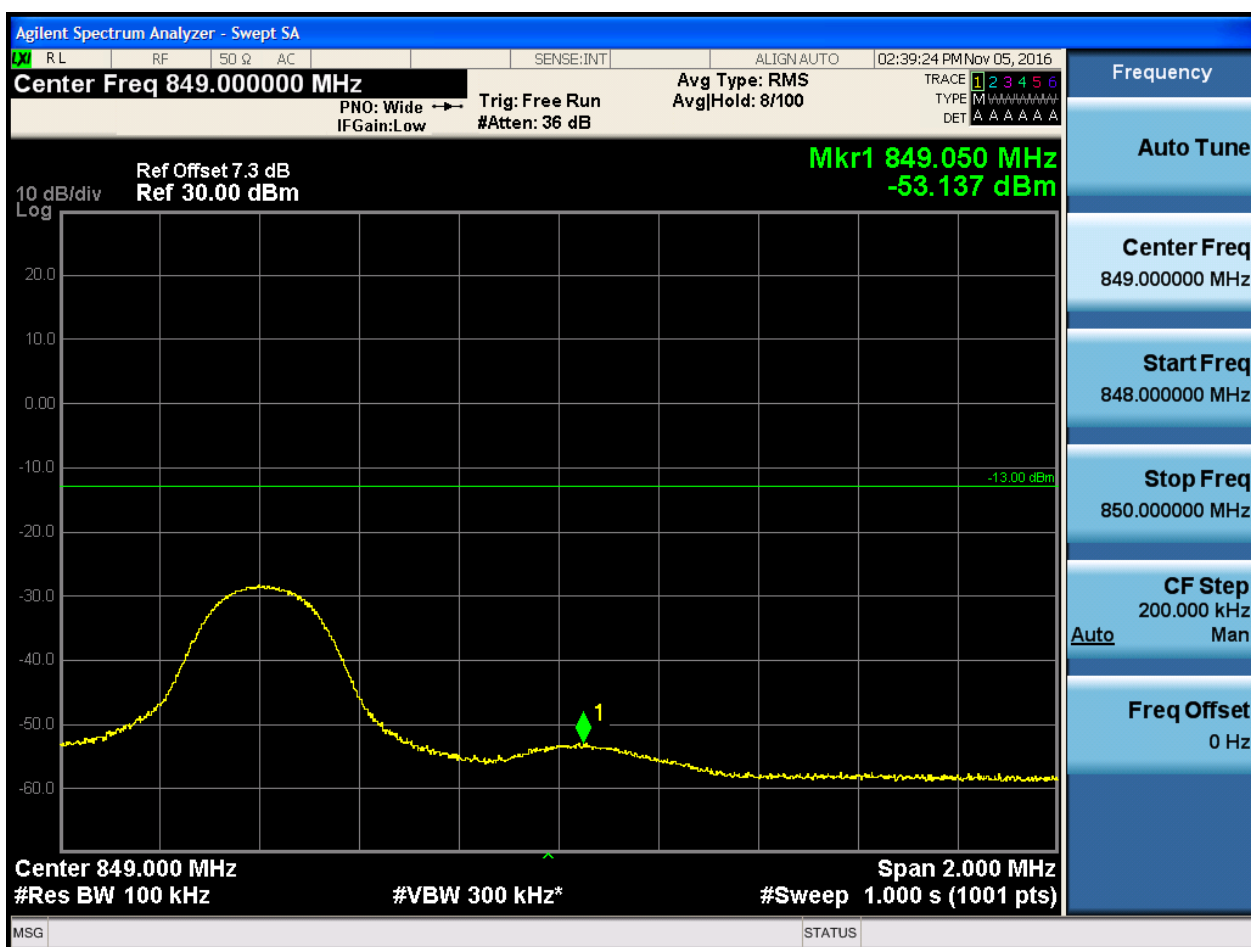
5.1.1.2.4.1.4 Test RB = RB50#0





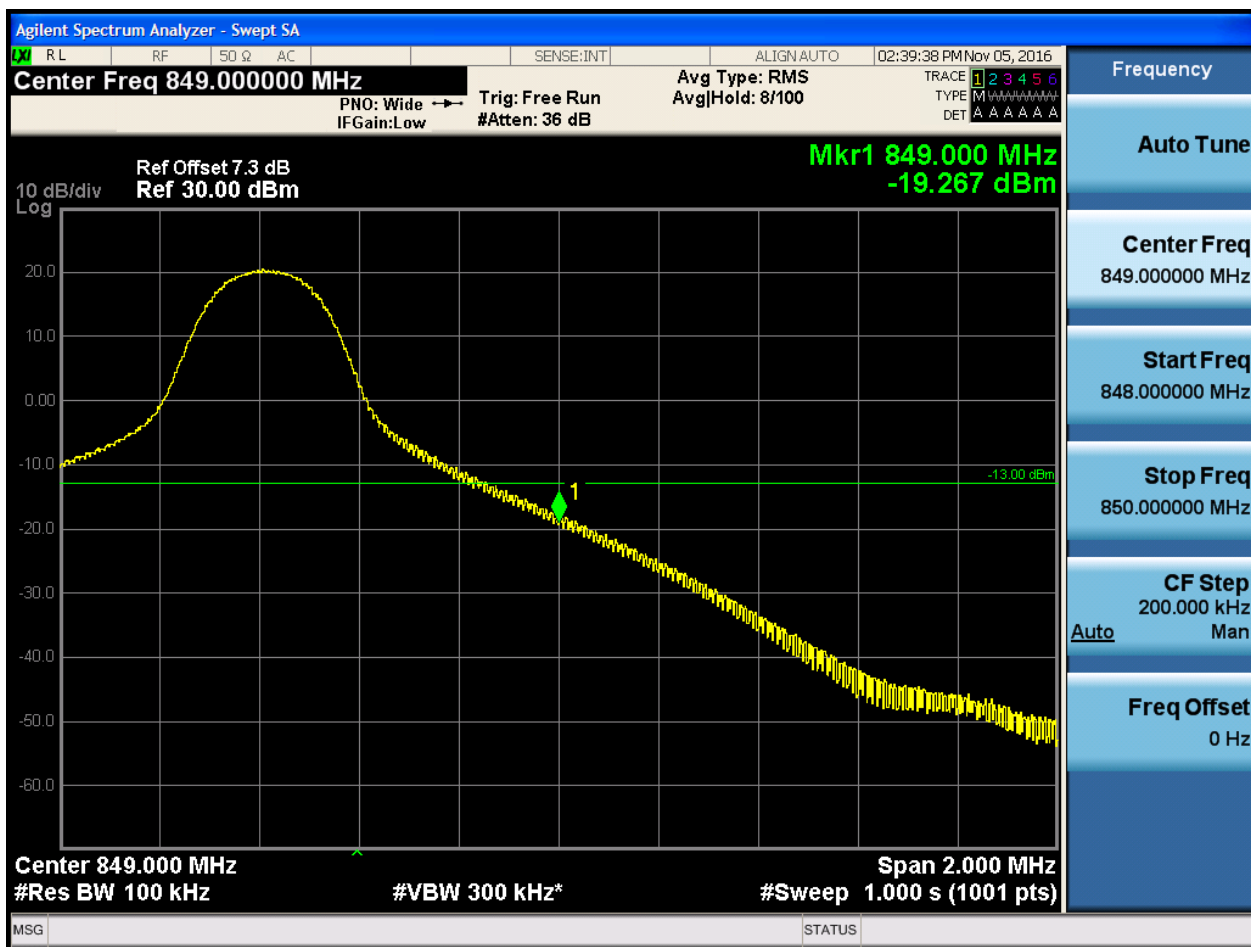
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0





5.1.1.2.4.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:39:53 PM Nov 05, 2016

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 8/100
IFGain: Low #Atten: 36 dB

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

Mkr1 849.130 MHz
-37.051 dBm

10 dB/div Log Ref Offset 7.3 dB Ref 30.00 dBm

Center 849.000 MHz Span 2.000 MHz
#Res BW 100 kHz #VBW 300 kHz* #Sweep 1.000 s (1001 pts)

Frequency
Auto Tune
Center Freq 849.000000 MHz
Start Freq 848.000000 MHz
Stop Freq 850.000000 MHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



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

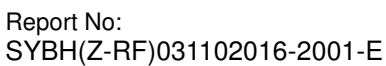
6.1.1 Test Band = BAND5

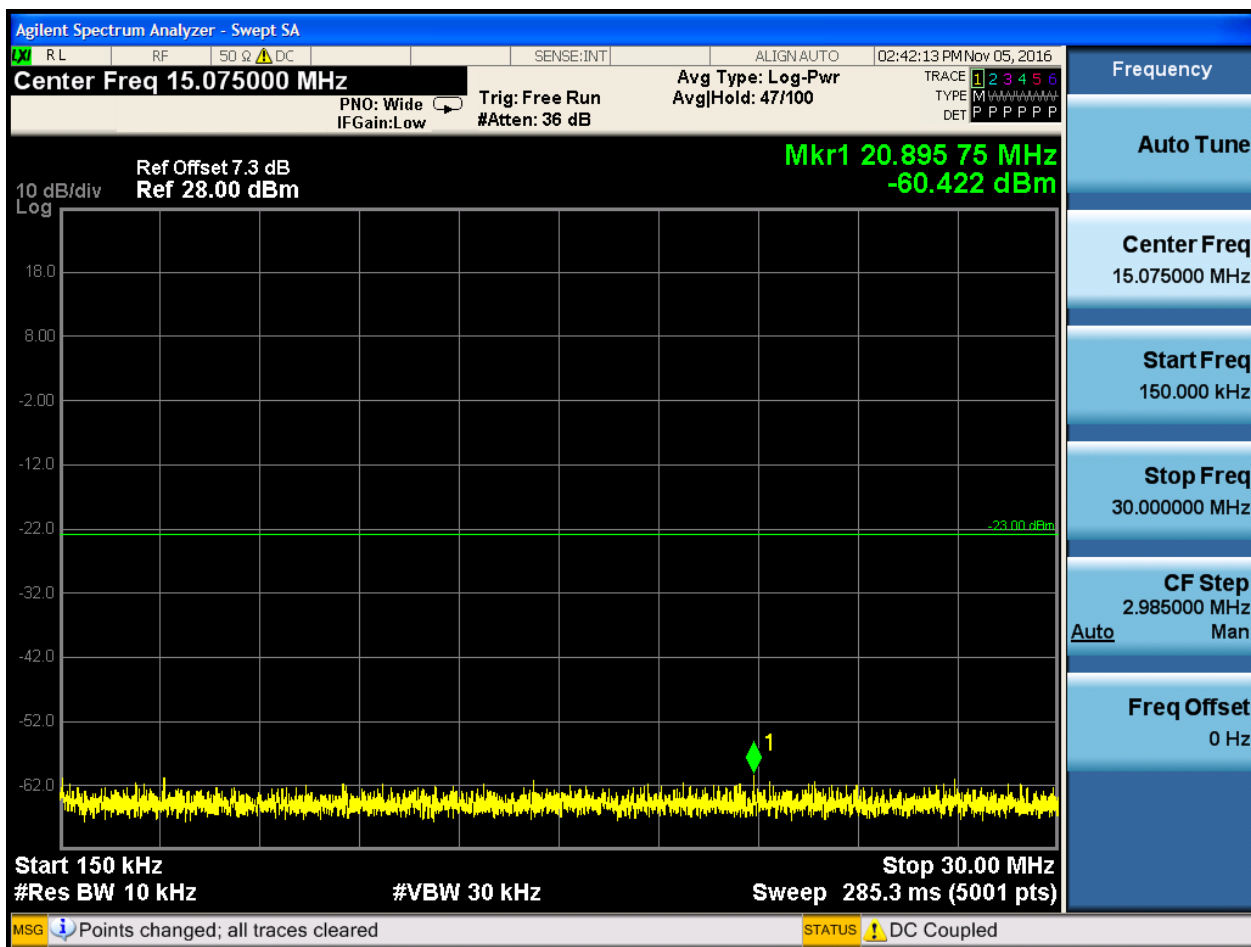
6.1.1.1 Test Mode = LTE/TM1

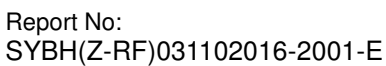
6.1.1.1.1 Test Bandwidth = 1.4

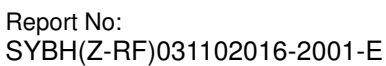
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0





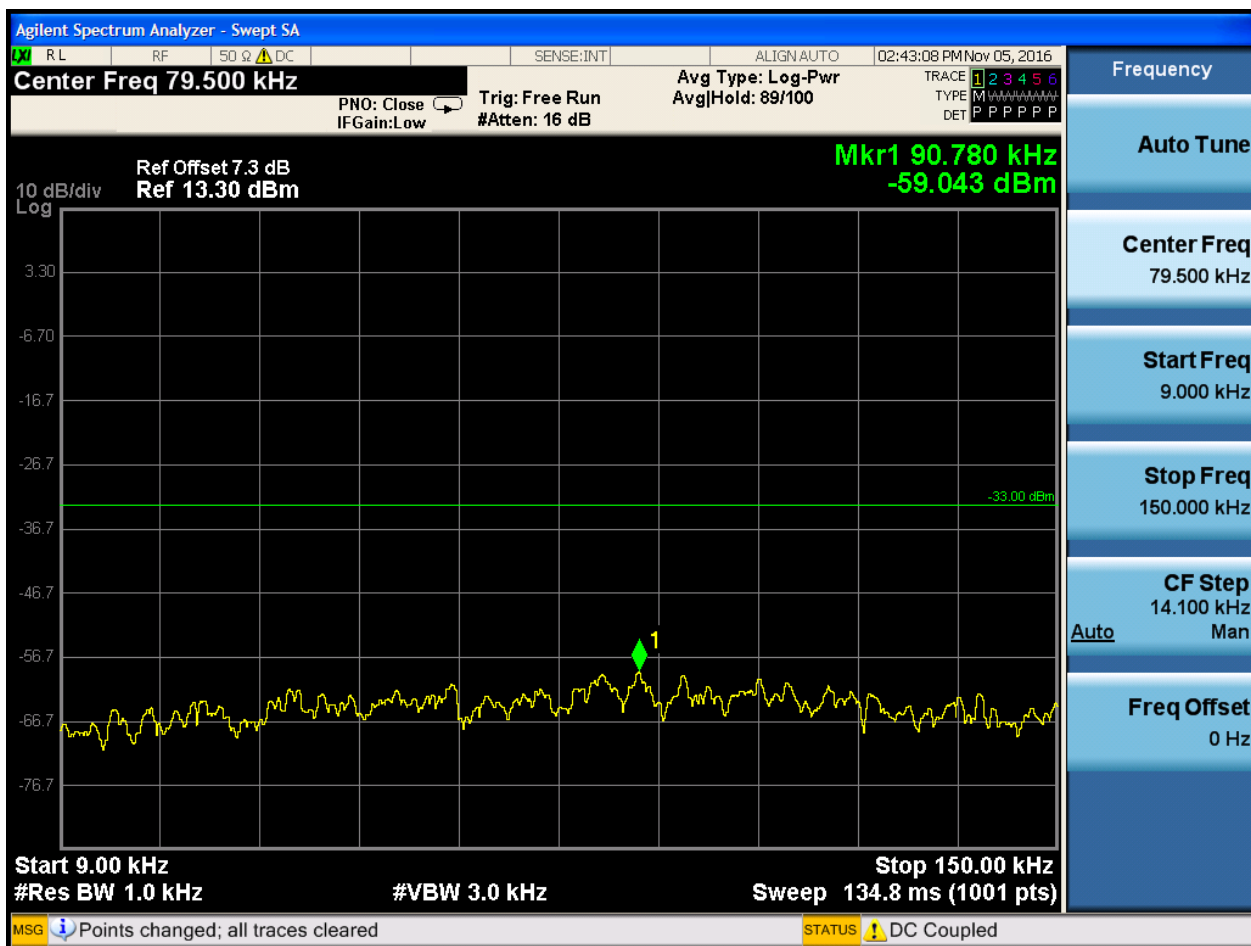


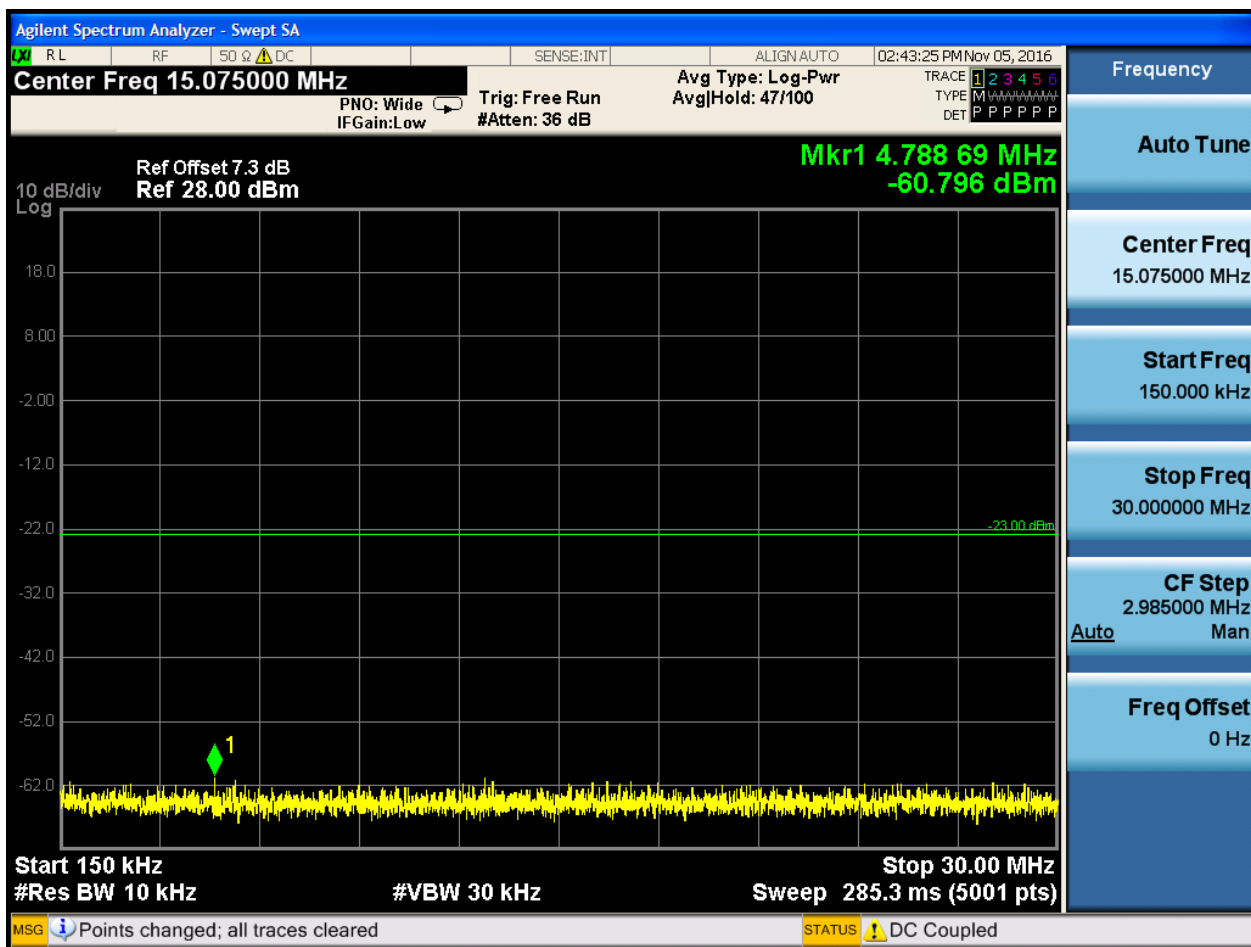


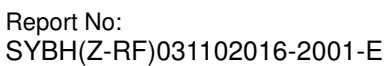


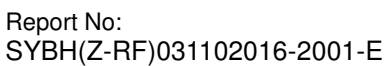
6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0











6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0

