



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	23.84	19.49	38.5	PASS
				RB1#3	23.88	19.53	38.5	PASS
				RB1#5	23.84	19.49	38.5	PASS
				RB3#0	23.9	19.55	38.5	PASS
				RB3#2	23.87	19.52	38.5	PASS
				RB3#3	23.95	19.6	38.5	PASS
				RB6#0	22.86	18.51	38.5	PASS
			MCH	RB1#0	23.83	19.48	38.5	PASS
				RB1#3	23.94	19.59	38.5	PASS
				RB1#5	23.89	19.54	38.5	PASS
				RB3#0	23.72	19.37	38.5	PASS
				RB3#2	23.75	19.4	38.5	PASS
				RB3#3	23.72	19.37	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB6#0	22.87	18.52	38.5	PASS
			HCH	RB1#0	23.81	19.46	38.5	PASS
				RB1#3	23.86	19.51	38.5	PASS
				RB1#5	23.78	19.43	38.5	PASS
				RB3#0	23.81	19.46	38.5	PASS
				RB3#2	23.84	19.49	38.5	PASS
				RB3#3	24.18	19.83	38.5	PASS
				RB6#0	22.76	18.41	38.5	PASS
		3	LCH	RB1#0	23.96	19.61	38.5	PASS
				RB1#7	24.01	19.66	38.5	PASS
				RB1#14	23.98	19.63	38.5	PASS
				RB8#0	22.91	18.56	38.5	PASS
				RB8#4	22.93	18.58	38.5	PASS
				RB8#7	22.92	18.57	38.5	PASS
				RB15#0	22.88	18.53	38.5	PASS
			MCH	RB1#0	23.96	19.61	38.5	PASS
				RB1#7	24.05	19.7	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#14	23.97	19.62	38.5	PASS
				RB8#0	22.85	18.5	38.5	PASS
				RB8#4	22.88	18.53	38.5	PASS
				RB8#7	22.8	18.45	38.5	PASS
				RB15#0	22.84	18.49	38.5	PASS
			HCH	RB1#0	23.85	19.5	38.5	PASS
				RB1#7	23.87	19.52	38.5	PASS
				RB1#14	23.68	19.33	38.5	PASS
				RB8#0	22.79	18.44	38.5	PASS
				RB8#4	22.85	18.5	38.5	PASS
				RB8#7	22.77	18.42	38.5	PASS
				RB15#0	22.85	18.5	38.5	PASS
		5	LCH	RB1#0	23.87	19.52	38.5	PASS
				RB1#13	24.07	19.72	38.5	PASS
				RB1#24	23.77	19.42	38.5	PASS
				RB12#0	22.8	18.45	38.5	PASS
				RB12#6	22.87	18.52	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	22.8	18.45	38.5	PASS
				RB25#0	22.86	18.51	38.5	PASS
			MCH	RB1#0	23.84	19.49	38.5	PASS
				RB1#13	23.86	19.51	38.5	PASS
				RB1#24	23.93	19.58	38.5	PASS
				RB12#0	22.82	18.47	38.5	PASS
				RB12#6	22.79	18.44	38.5	PASS
				RB12#13	22.75	18.4	38.5	PASS
				RB25#0	22.78	18.43	38.5	PASS
			HCH	RB1#0	23.83	19.48	38.5	PASS
				RB1#13	23.9	19.55	38.5	PASS
				RB1#24	23.92	19.57	38.5	PASS
				RB12#0	22.84	18.49	38.5	PASS
				RB12#6	22.89	18.54	38.5	PASS
				RB12#13	22.77	18.42	38.5	PASS
				RB25#0	22.8	18.45	38.5	PASS
		10	LCH	RB1#0	23.81	19.46	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	24.07	19.72	38.5	PASS
				RB1#49	23.88	19.53	38.5	PASS
				RB25#0	22.91	18.56	38.5	PASS
				RB25#13	22.93	18.58	38.5	PASS
				RB25#25	22.81	18.46	38.5	PASS
				RB50#0	22.88	18.53	38.5	PASS
			MCH	RB1#0	23.92	19.57	38.5	PASS
				RB1#25	24.28	19.93	38.5	PASS
				RB1#49	24	19.65	38.5	PASS
				RB25#0	22.89	18.54	38.5	PASS
				RB25#13	22.86	18.51	38.5	PASS
				RB25#25	22.76	18.41	38.5	PASS
				RB50#0	22.82	18.47	38.5	PASS
			HCH	RB1#0	23.49	19.14	38.5	PASS
				RB1#25	24.05	19.7	38.5	PASS
				RB1#49	23.78	19.43	38.5	PASS
				RB25#0	22.87	18.52	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.95	18.6	38.5	PASS
				RB25#25	22.77	18.42	38.5	PASS
				RB50#0	22.84	18.49	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.48	18.13	38.5	PASS
				RB1#3	22.78	18.43	38.5	PASS
				RB1#5	22.75	18.4	38.5	PASS
				RB3#0	22.56	18.21	38.5	PASS
				RB3#2	22.62	18.27	38.5	PASS
				RB3#3	22.59	18.24	38.5	PASS
				RB6#0	21.97	17.62	38.5	PASS
			MCH	RB1#0	22.61	18.26	38.5	PASS
				RB1#3	22.65	18.3	38.5	PASS
				RB1#5	22.6	18.25	38.5	PASS
				RB3#0	22.47	18.12	38.5	PASS
				RB3#2	22.68	18.33	38.5	PASS
				RB3#3	22.63	18.28	38.5	PASS
				RB6#0	21.72	17.37	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.74	18.39	38.5	PASS
				RB1#3	22.86	18.51	38.5	PASS
				RB1#5	22.76	18.41	38.5	PASS
				RB3#0	22.78	18.43	38.5	PASS
				RB3#2	22.81	18.46	38.5	PASS
				RB3#3	22.74	18.39	38.5	PASS
				RB6#0	21.73	17.38	38.5	PASS
		3	LCH	RB1#0	22.94	18.59	38.5	PASS
				RB1#7	23.01	18.66	38.5	PASS
				RB1#14	23.03	18.68	38.5	PASS
				RB8#0	21.76	17.41	38.5	PASS
				RB8#4	21.78	17.43	38.5	PASS
				RB8#7	21.79	17.44	38.5	PASS
				RB15#0	21.77	17.42	38.5	PASS
			MCH	RB1#0	22.92	18.57	38.5	PASS
				RB1#7	23	18.65	38.5	PASS
				RB1#14	22.97	18.62	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.93	17.58	38.5	PASS
				RB8#4	21.87	17.52	38.5	PASS
				RB8#7	21.89	17.54	38.5	PASS
				RB15#0	21.86	17.51	38.5	PASS
			HCH	RB1#0	22.68	18.33	38.5	PASS
				RB1#7	22.79	18.44	38.5	PASS
				RB1#14	22.45	18.1	38.5	PASS
				RB8#0	21.78	17.43	38.5	PASS
				RB8#4	21.8	17.45	38.5	PASS
				RB8#7	21.71	17.36	38.5	PASS
				RB15#0	21.69	17.34	38.5	PASS
		5	LCH	RB1#0	22.64	18.29	38.5	PASS
				RB1#13	22.94	18.59	38.5	PASS
				RB1#24	22.51	18.16	38.5	PASS
				RB12#0	21.79	17.44	38.5	PASS
				RB12#6	22.11	17.76	38.5	PASS
				RB12#13	22.15	17.8	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.9	17.55	38.5	PASS
			MCH	RB1#0	23.03	18.68	38.5	PASS
				RB1#13	23.12	18.77	38.5	PASS
				RB1#24	22.4	18.05	38.5	PASS
				RB12#0	21.89	17.54	38.5	PASS
				RB12#6	21.72	17.37	38.5	PASS
				RB12#13	21.81	17.46	38.5	PASS
				RB25#0	21.76	17.41	38.5	PASS
			HCH	RB1#0	22.97	18.62	38.5	PASS
				RB1#13	22.85	18.5	38.5	PASS
				RB1#24	22.85	18.5	38.5	PASS
				RB12#0	21.79	17.44	38.5	PASS
				RB12#6	21.87	17.52	38.5	PASS
				RB12#13	21.71	17.36	38.5	PASS
				RB25#0	21.74	17.39	38.5	PASS
		10	LCH	RB1#0	22.92	18.57	38.5	PASS
				RB1#25	22.86	18.51	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.01	17.66	38.5	PASS
				RB25#0	21.8	17.45	38.5	PASS
				RB25#13	21.78	17.43	38.5	PASS
				RB25#25	21.67	17.32	38.5	PASS
				RB50#0	21.75	17.4	38.5	PASS
			MCH	RB1#0	22.94	18.59	38.5	PASS
				RB1#25	23.07	18.72	38.5	PASS
				RB1#49	22.79	18.44	38.5	PASS
				RB25#0	21.77	17.42	38.5	PASS
				RB25#13	21.77	17.42	38.5	PASS
				RB25#25	21.66	17.31	38.5	PASS
				RB50#0	21.64	17.29	38.5	PASS
			HCH	RB1#0	22.55	18.2	38.5	PASS
				RB1#25	23.12	18.77	38.5	PASS
				RB1#49	22.17	17.82	38.5	PASS
				RB25#0	21.72	17.37	38.5	PASS
				RB25#13	21.81	17.46	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.74	17.39	38.5	PASS
				RB50#0	21.81	17.46	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:

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

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

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

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

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	4.13	13	PASS
				RB1#3	4.02	13	PASS
				RB1#5	4.09	13	PASS
				RB3#0	4.3	13	PASS
				RB3#2	4.33	13	PASS
				RB3#3	4.27	13	PASS
				RB6#0	5.38	13	PASS
			MCH	RB1#0	4.07	13	PASS
				RB1#3	4.12	13	PASS
				RB1#5	4.19	13	PASS
				RB3#0	4.59	13	PASS
				RB3#2	4.59	13	PASS
				RB3#3	4.57	13	PASS
				RB6#0	5.68	13	PASS
			HCH	RB1#0	4.01	13	PASS
				RB1#3	3.95	13	PASS
				RB1#5	4.02	13	PASS
				RB3#0	4.32	13	PASS
				RB3#2	4.21	13	PASS
				RB3#3	4.29	13	PASS
				RB6#0	5.35	13	PASS
		3	LCH	RB1#0	4.11	13	PASS
				RB1#7	3.93	13	PASS
				RB1#14	4.05	13	PASS
				RB8#0	4.96	13	PASS
				RB8#4	4.94	13	PASS
				RB8#7	5	13	PASS
				RB15#0	5.56	13	PASS
			MCH	RB1#0	4.23	13	PASS
				RB1#7	4.13	13	PASS
				RB1#14	4.06	13	PASS
				RB8#0	5.16	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	5.05	13	PASS
				RB8#7	5.1	13	PASS
				RB15#0	5.25	13	PASS
			HCH	RB1#0	4.03	13	PASS
				RB1#7	3.92	13	PASS
				RB1#14	4.16	13	PASS
				RB8#0	4.95	13	PASS
				RB8#4	4.94	13	PASS
				RB8#7	5	13	PASS
				RB15#0	5.34	13	PASS
		5	LCH	RB1#0	4.14	13	PASS
				RB1#13	4.08	13	PASS
				RB1#24	4.17	13	PASS
				RB12#0	4.94	13	PASS
				RB12#6	4.88	13	PASS
				RB12#13	4.95	13	PASS
				RB25#0	5.45	13	PASS
			MCH	RB1#0	4.4	13	PASS
				RB1#13	4.14	13	PASS
				RB1#24	4.15	13	PASS
				RB12#0	5.11	13	PASS
				RB12#6	5.03	13	PASS
				RB12#13	5	13	PASS
				RB25#0	5.42	13	PASS
			HCH	RB1#0	4.01	13	PASS
				RB1#13	3.93	13	PASS
				RB1#24	4.07	13	PASS
				RB12#0	4.92	13	PASS
				RB12#6	4.71	13	PASS
				RB12#13	4.92	13	PASS
				RB25#0	5.31	13	PASS
		10	LCH	RB1#0	4.09	13	PASS
				RB1#25	4	13	PASS
				RB1#49	4.38	13	PASS
				RB25#0	4.91	13	PASS
				RB25#13	4.98	13	PASS
				RB25#25	5.1	13	PASS
				RB50#0	5.57	13	PASS
			MCH	RB1#0	4.33	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.12	13	PASS
				RB1#49	4.09	13	PASS
				RB25#0	5.11	13	PASS
				RB25#13	5.06	13	PASS
				RB25#25	4.98	13	PASS
				RB50#0	5.35	13	PASS
			HCH	RB1#0	4.26	13	PASS
				RB1#25	3.86	13	PASS
				RB1#49	4.1	13	PASS
				RB25#0	4.88	13	PASS
				RB25#13	4.83	13	PASS
				RB25#25	4.84	13	PASS
				RB50#0	5.07	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.1	13	PASS
				RB1#3	5.08	13	PASS
				RB1#5	5.11	13	PASS
				RB3#0	5.3	13	PASS
				RB3#2	5.16	13	PASS
				RB3#3	5.31	13	PASS
				RB6#0	6.07	13	PASS
			MCH	RB1#0	5.35	13	PASS
				RB1#3	5.35	13	PASS
				RB1#5	5.3	13	PASS
				RB3#0	5.51	13	PASS
				RB3#2	5.43	13	PASS
				RB3#3	5.5	13	PASS
				RB6#0	6.07	13	PASS
		3	HCH	RB1#0	4.98	13	PASS
				RB1#3	4.98	13	PASS
				RB1#5	5.04	13	PASS
				RB3#0	5.17	13	PASS
				RB3#2	5.09	13	PASS
				RB3#3	5.08	13	PASS
				RB6#0	5.97	13	PASS
			LCH	RB1#0	4.86	13	PASS
				RB1#7	4.86	13	PASS
				RB1#14	4.92	13	PASS
				RB8#0	5.83	13	PASS
				RB8#4	5.77	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	5.81	13	PASS
				RB15#0	6.41	13	PASS
			MCH	RB1#0	5.23	13	PASS
				RB1#7	5.08	13	PASS
				RB1#14	5.06	13	PASS
				RB8#0	5.93	13	PASS
				RB8#4	5.91	13	PASS
				RB8#7	5.92	13	PASS
				RB15#0	6.48	13	PASS
			HCH	RB1#0	4.81	13	PASS
				RB1#7	4.74	13	PASS
				RB1#14	4.79	13	PASS
				RB8#0	5.68	13	PASS
				RB8#4	5.73	13	PASS
				RB8#7	5.72	13	PASS
				RB15#0	6.1	13	PASS
		5	LCH	RB1#0	5.14	13	PASS
				RB1#13	5.16	13	PASS
				RB1#24	5.31	13	PASS
				RB12#0	5.82	13	PASS
				RB12#6	5.87	13	PASS
				RB12#13	5.81	13	PASS
				RB25#0	6.31	13	PASS
			MCH	RB1#0	5.5	13	PASS
				RB1#13	5.24	13	PASS
				RB1#24	5.27	13	PASS
				RB12#0	6.05	13	PASS
				RB12#6	5.99	13	PASS
				RB12#13	5.95	13	PASS
				RB25#0	6.53	13	PASS
			HCH	RB1#0	4.66	13	PASS
				RB1#13	4.53	13	PASS
				RB1#24	4.82	13	PASS
				RB12#0	5.7	13	PASS
				RB12#6	5.67	13	PASS
				RB12#13	5.8	13	PASS
				RB25#0	6.52	13	PASS
		10	LCH	RB1#0	5.12	13	PASS
				RB1#25	5.06	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	5.49	13	PASS
				RB25#0	6.05	13	PASS
				RB25#13	6.02	13	PASS
				RB25#25	6.16	13	PASS
				RB50#0	6.47	13	PASS
			MCH	RB1#0	5.43	13	PASS
				RB1#25	5.2	13	PASS
				RB1#49	5.13	13	PASS
				RB25#0	6.19	13	PASS
				RB25#13	5.99	13	PASS
				RB25#25	6	13	PASS
				RB50#0	6.95	13	PASS
			HCH	RB1#0	5.24	13	PASS
				RB1#25	4.88	13	PASS
				RB1#49	5.23	13	PASS
				RB25#0	5.71	13	PASS
				RB25#13	5.57	13	PASS
				RB25#25	5.72	13	PASS
				RB50#0	6.38	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

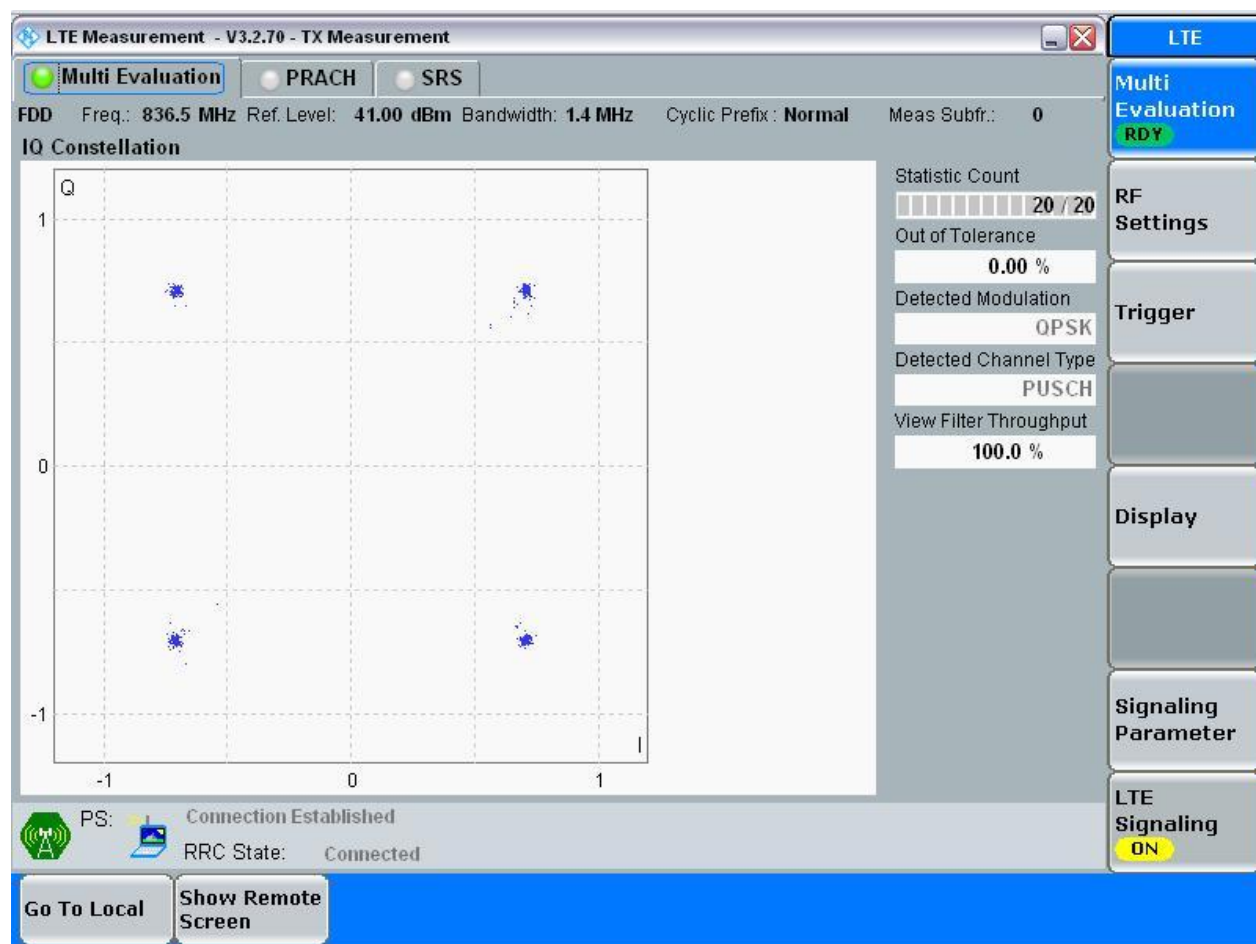
3.1.1 Test Band = BAND5

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

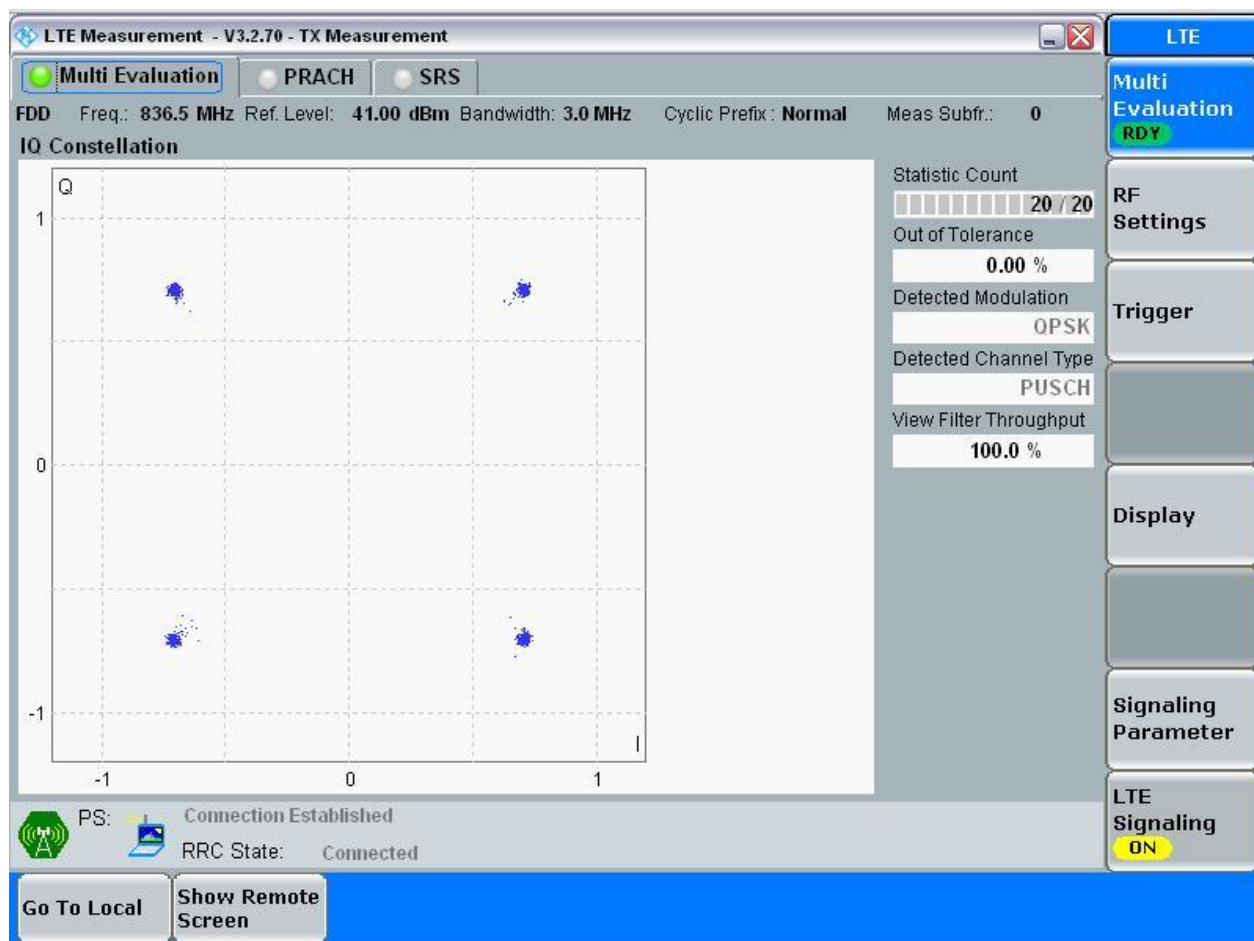
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

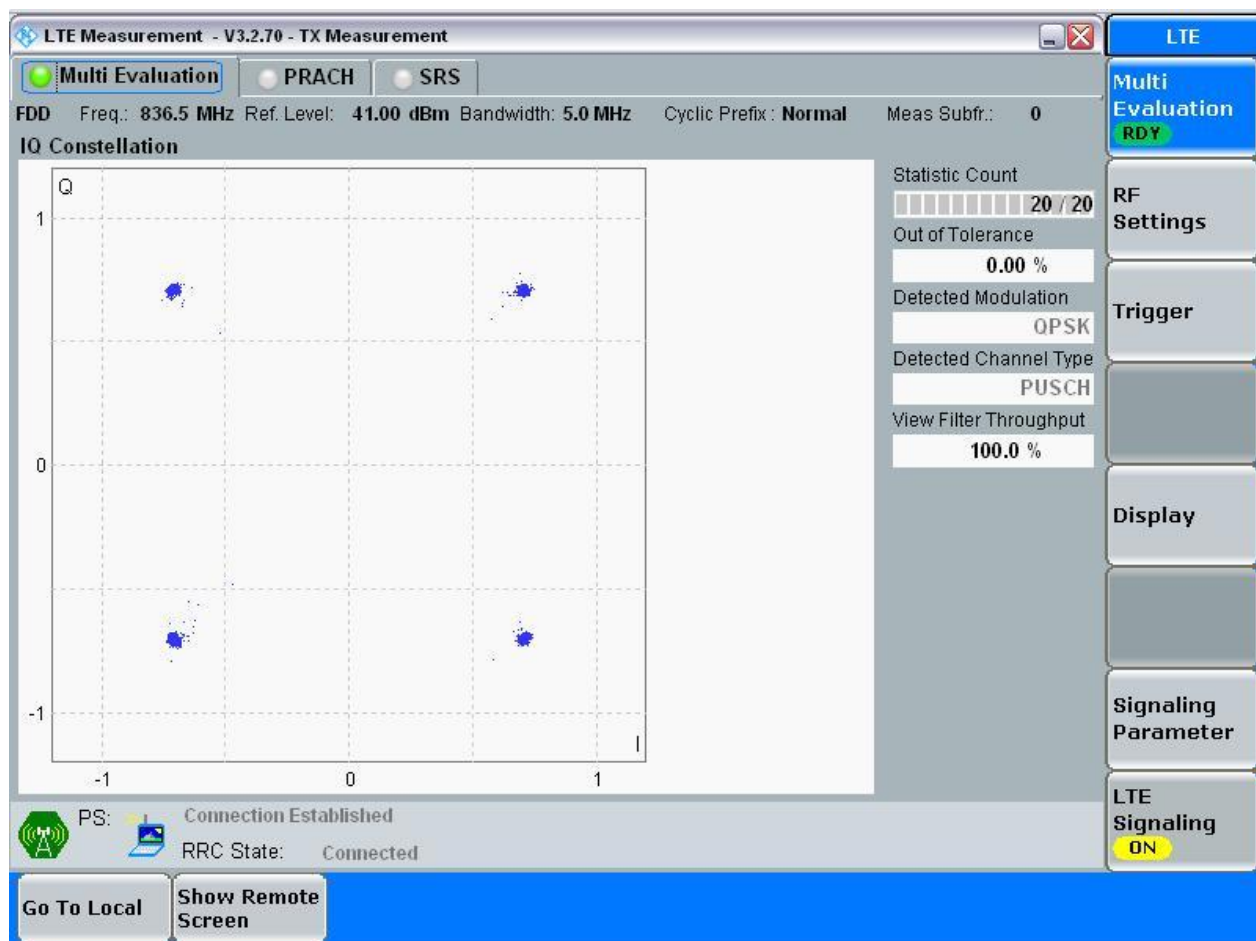
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

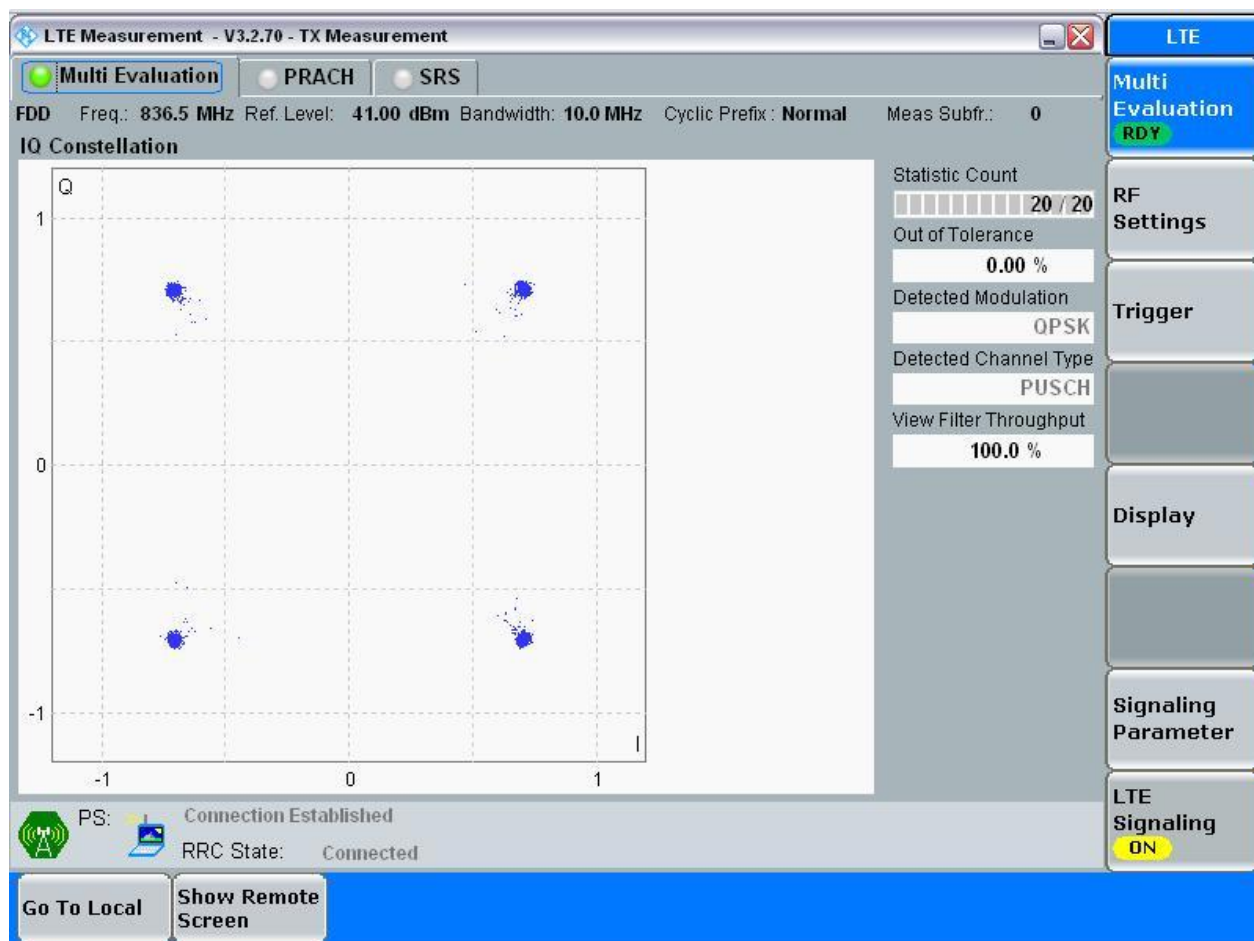
3.1.1.1.3.1.1 Test RB = RB25#0



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

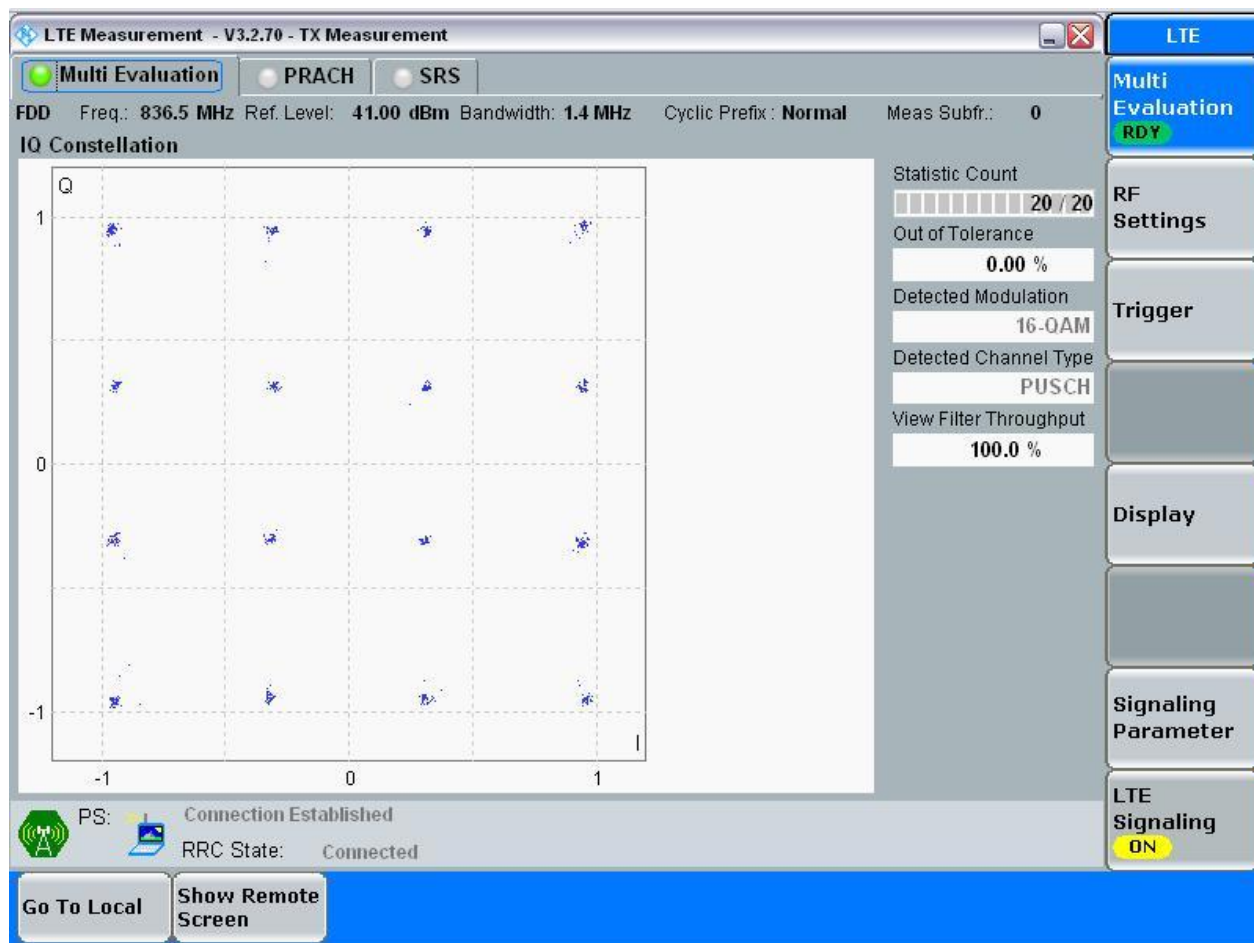


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

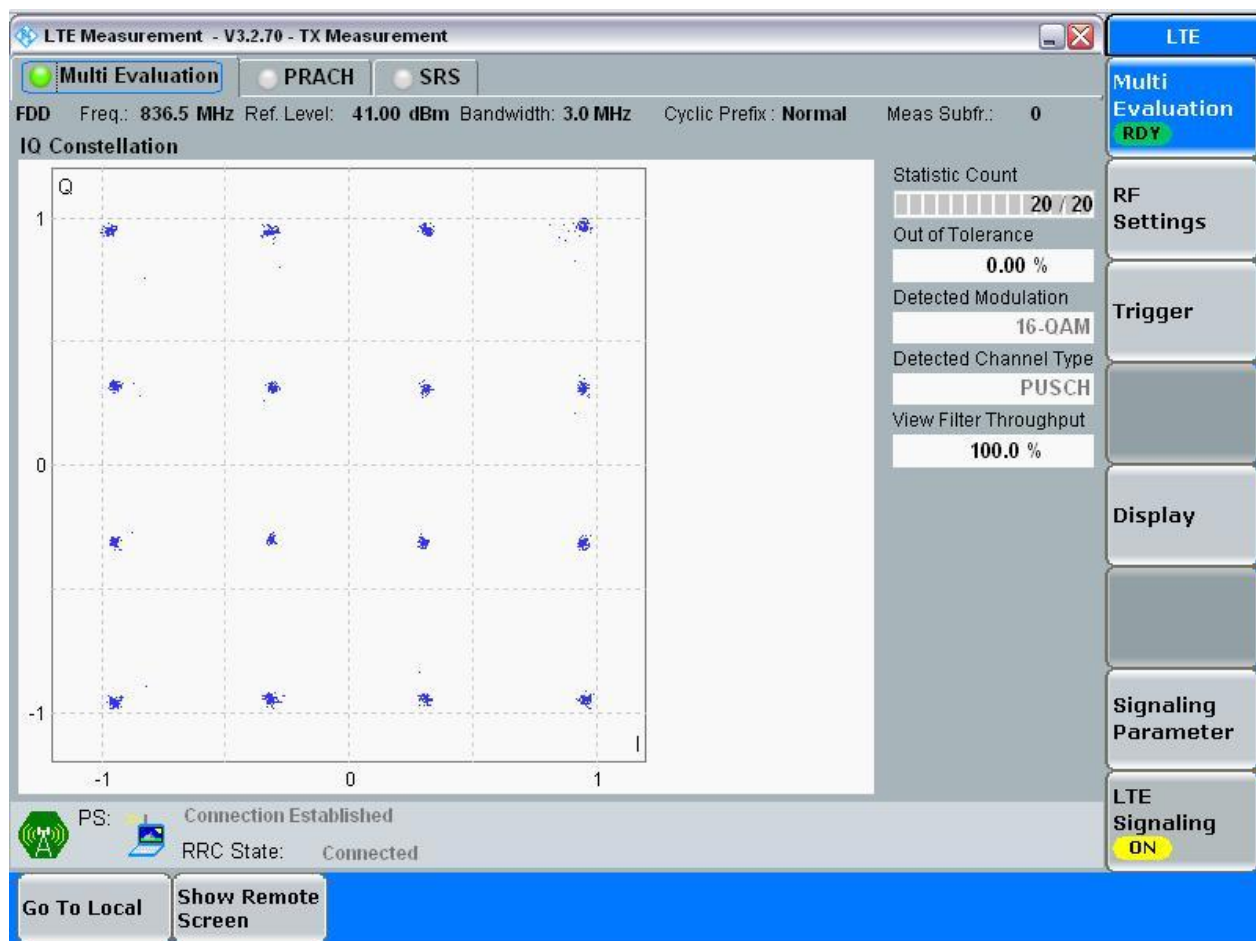
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

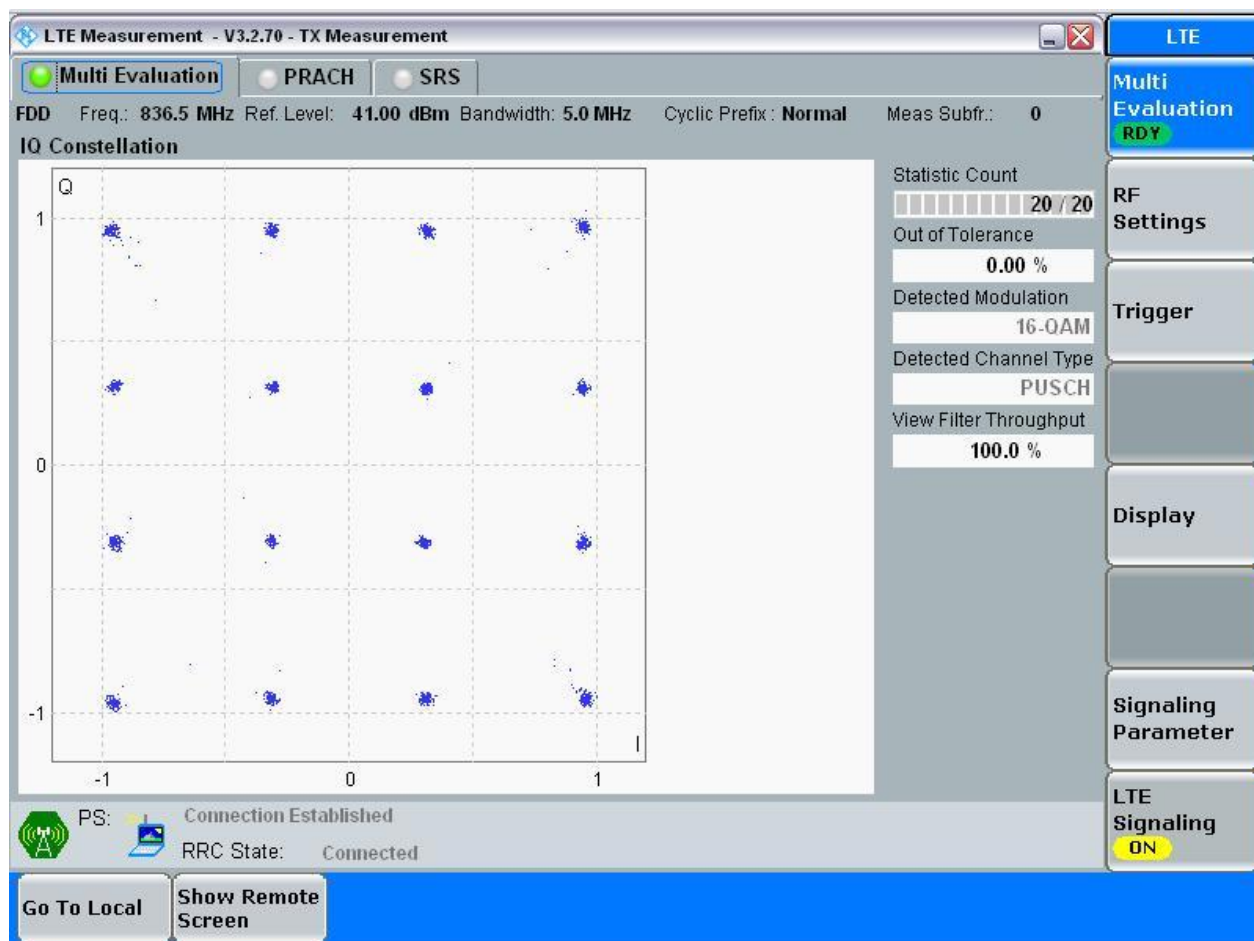
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

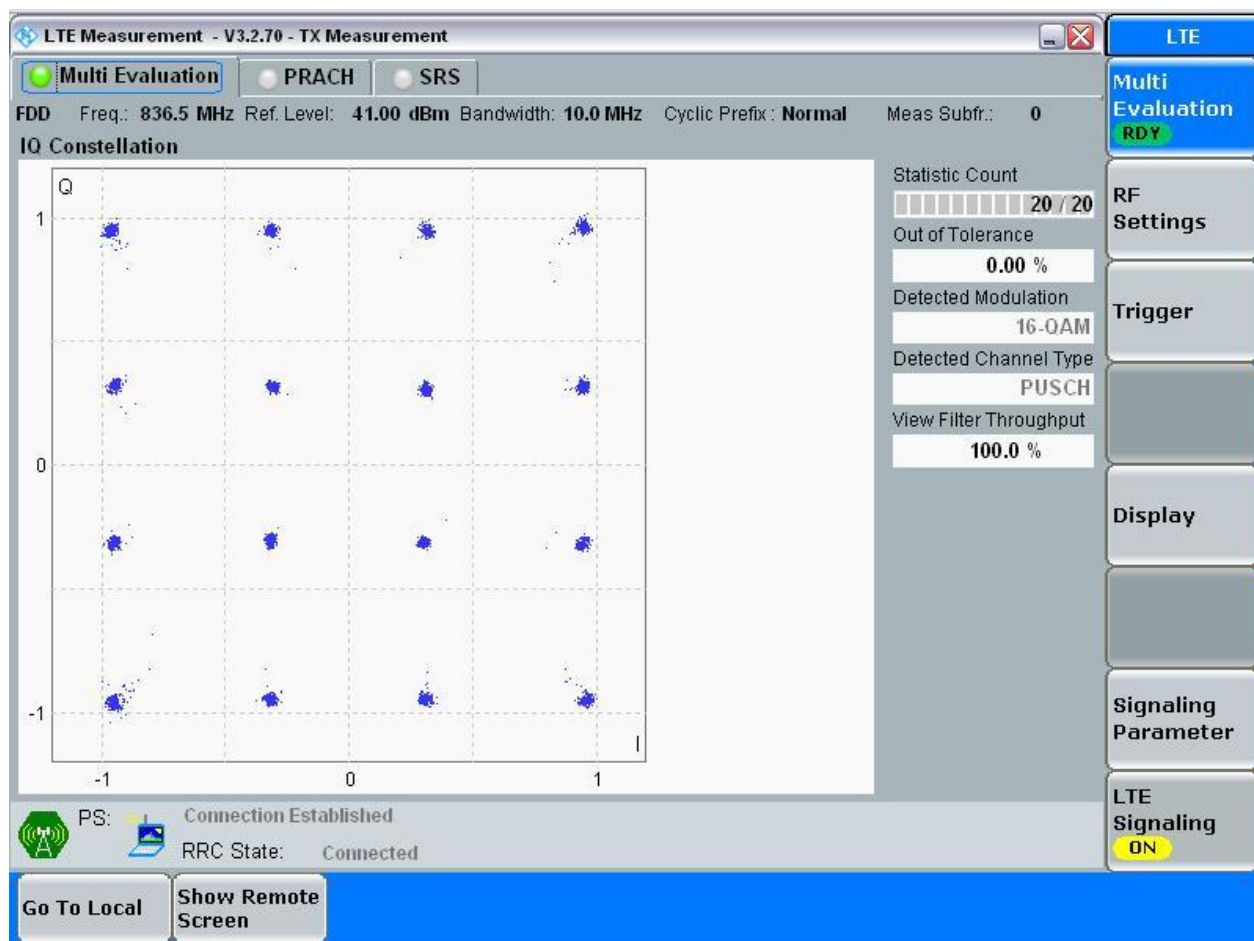
3.1.1.2.3.1.1 Test RB = RB25#0



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	1.29	Pass
			MCH	RB6#0	1.09	1.28	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.71	3.01	Pass
			MCH	RB15#0	2.70	3.00	Pass
			HCH	RB15#0	2.71	3.00	Pass
		5	LCH	RB25#0	4.51	4.99	Pass
			MCH	RB25#0	4.51	4.99	Pass
			HCH	RB25#0	4.51	4.99	Pass
		10	LCH	RB50#0	8.98	9.90	Pass
			MCH	RB50#0	8.98	9.90	Pass
			HCH	RB50#0	8.95	9.90	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.31	Pass
			MCH	RB6#0	1.10	1.23	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.71	3.00	Pass
			MCH	RB15#0	2.71	3.00	Pass
			HCH	RB15#0	2.70	3.01	Pass
		5	LCH	RB25#0	4.51	5.03	Pass
			MCH	RB25#0	4.51	5.03	Pass
			HCH	RB25#0	4.52	5.01	Pass
		10	LCH	RB50#0	8.98	9.93	Pass
			MCH	RB50#0	8.98	9.94	Pass
			HCH	RB50#0	8.98	9.86	Pass



Part II - Test Plots

4.2 For LTE

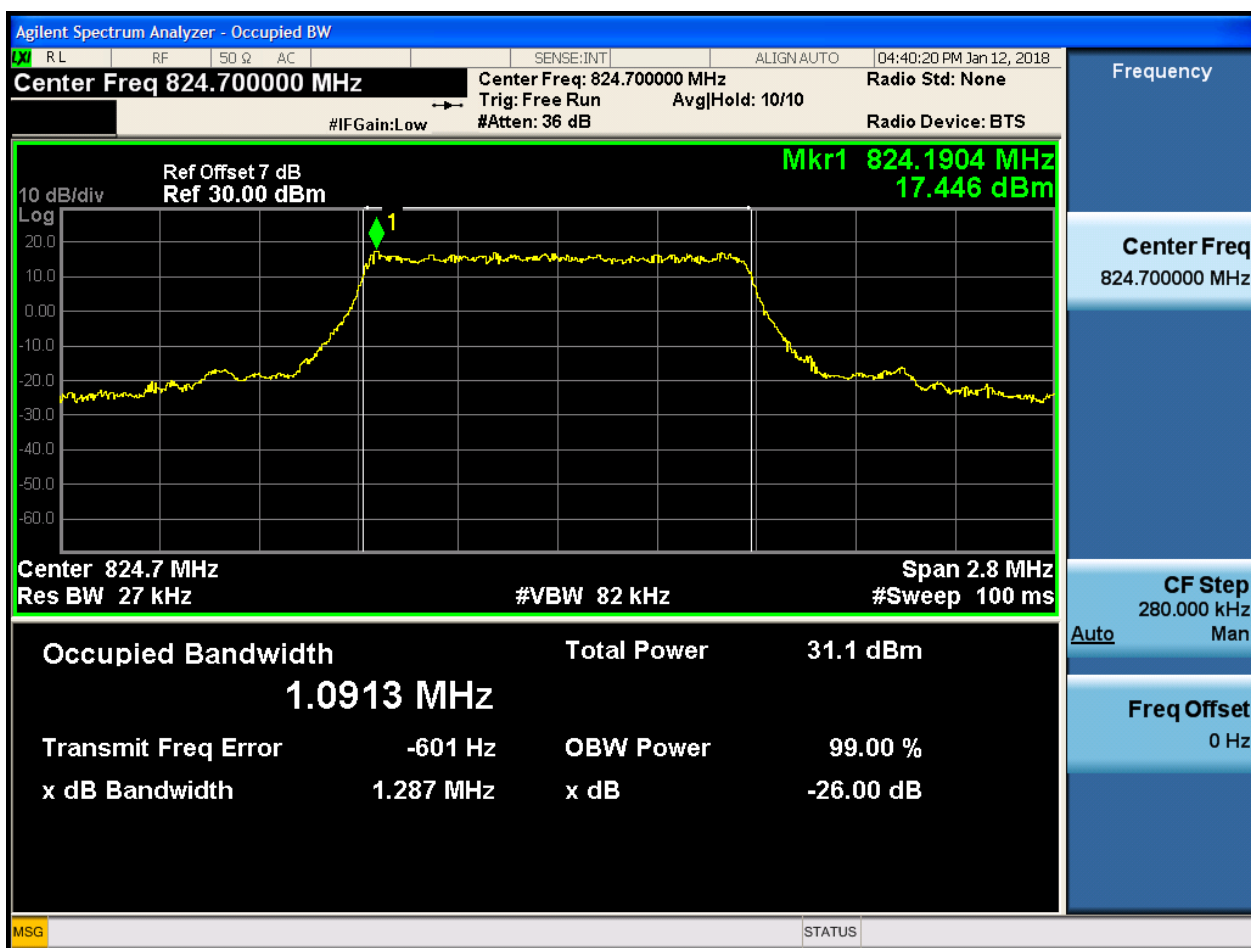
4.3.1 Test Band = BAND5

4.3.1.1 Test Mode = LTE/TM1

4.3.1.1.1 Test Bandwidth = 1.4

4.3.1.1.1.1 Test Channel = LCH

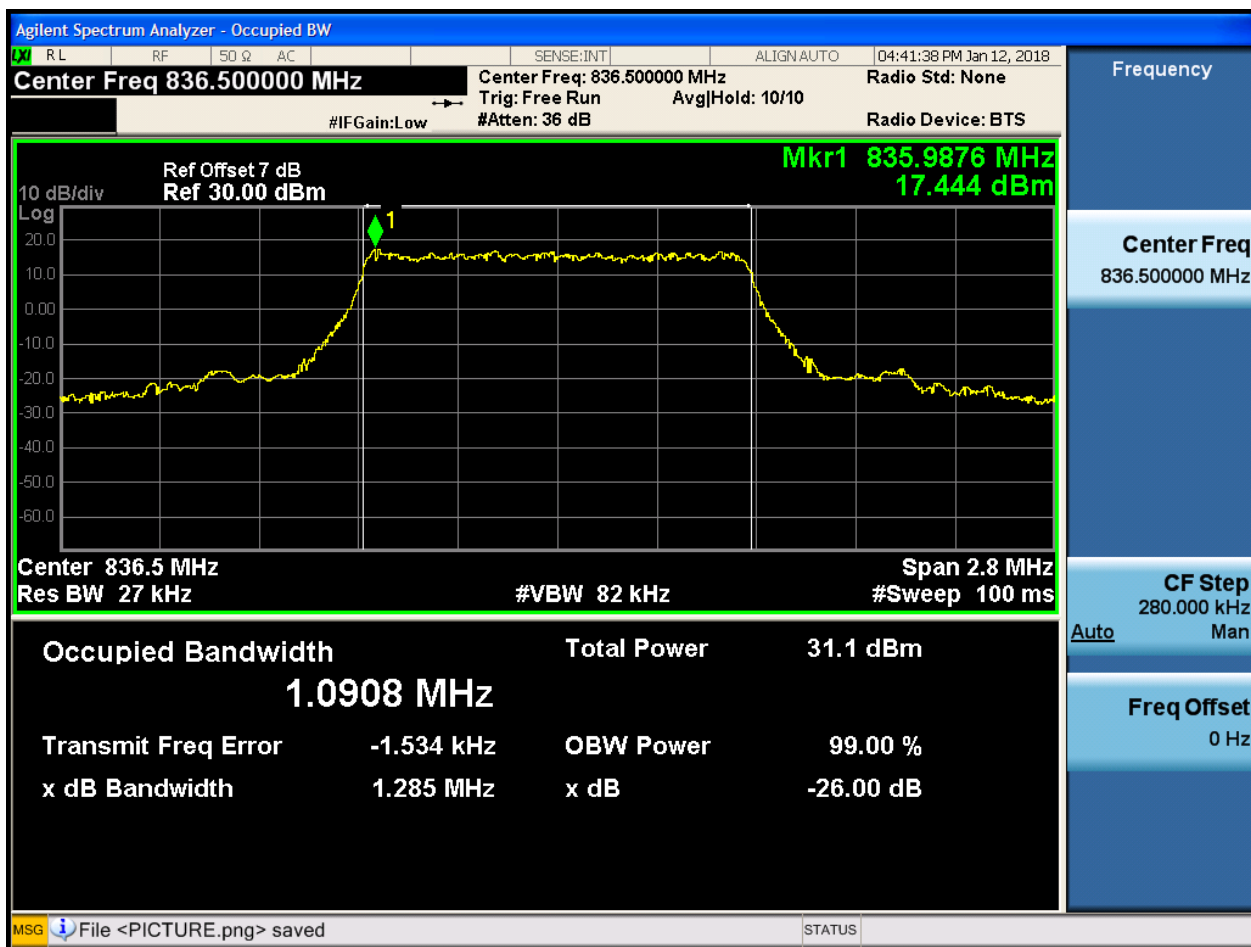
4.3.1.1.1.1.1 Test RB = RB6#0





4.3.1.1.1.2 Test Channel = MCH

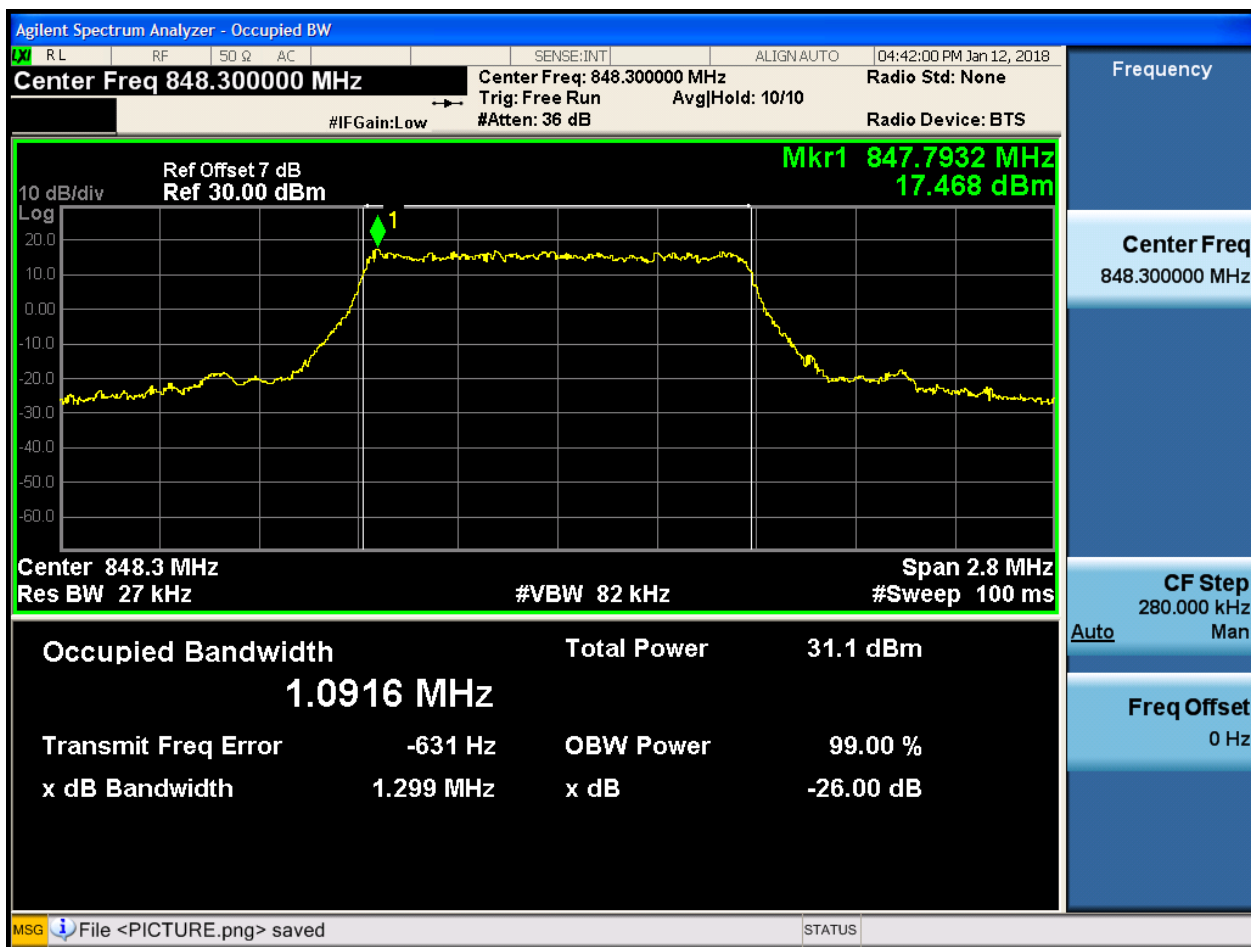
4.3.1.1.1.2.1 Test RB = RB6#0





4.3.1.1.1.3 Test Channel = HCH

4.3.1.1.1.3.1 Test RB = RB6#0

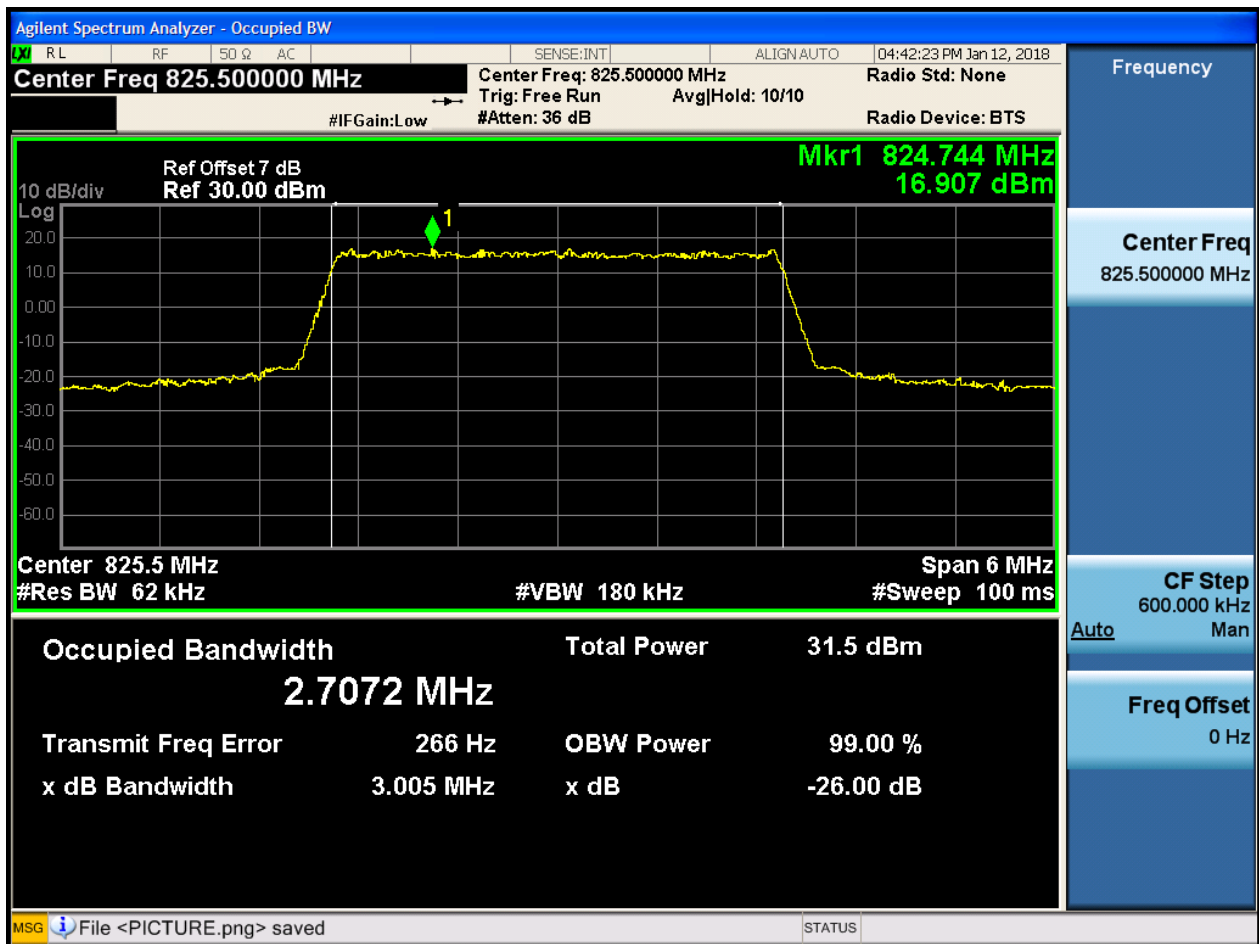




4.3.1.1.2 Test Bandwidth = 3

4.3.1.1.2.1 Test Channel = LCH

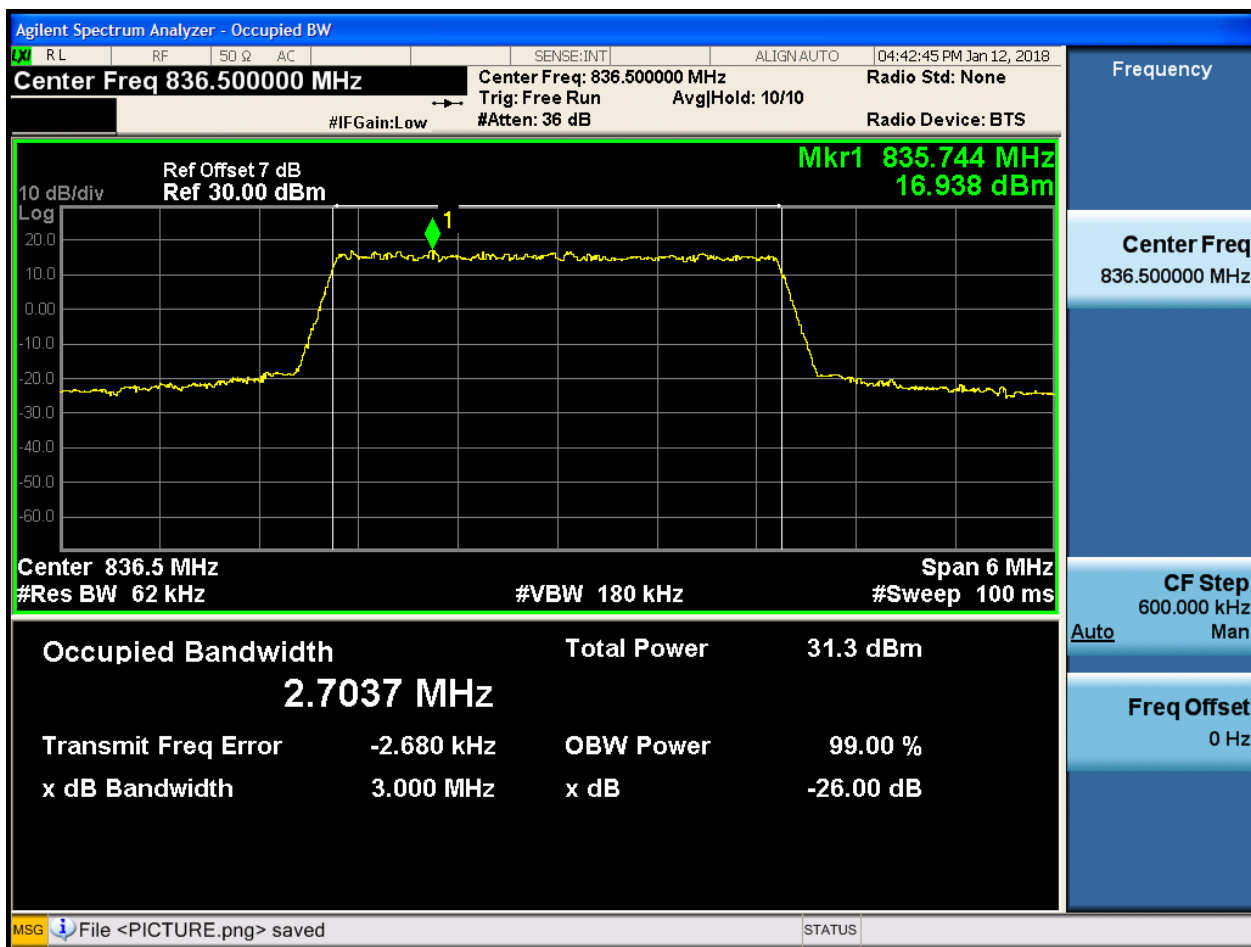
4.3.1.1.2.1.1 Test RB = RB15#0





4.3.1.1.2.2 Test Channel = MCH

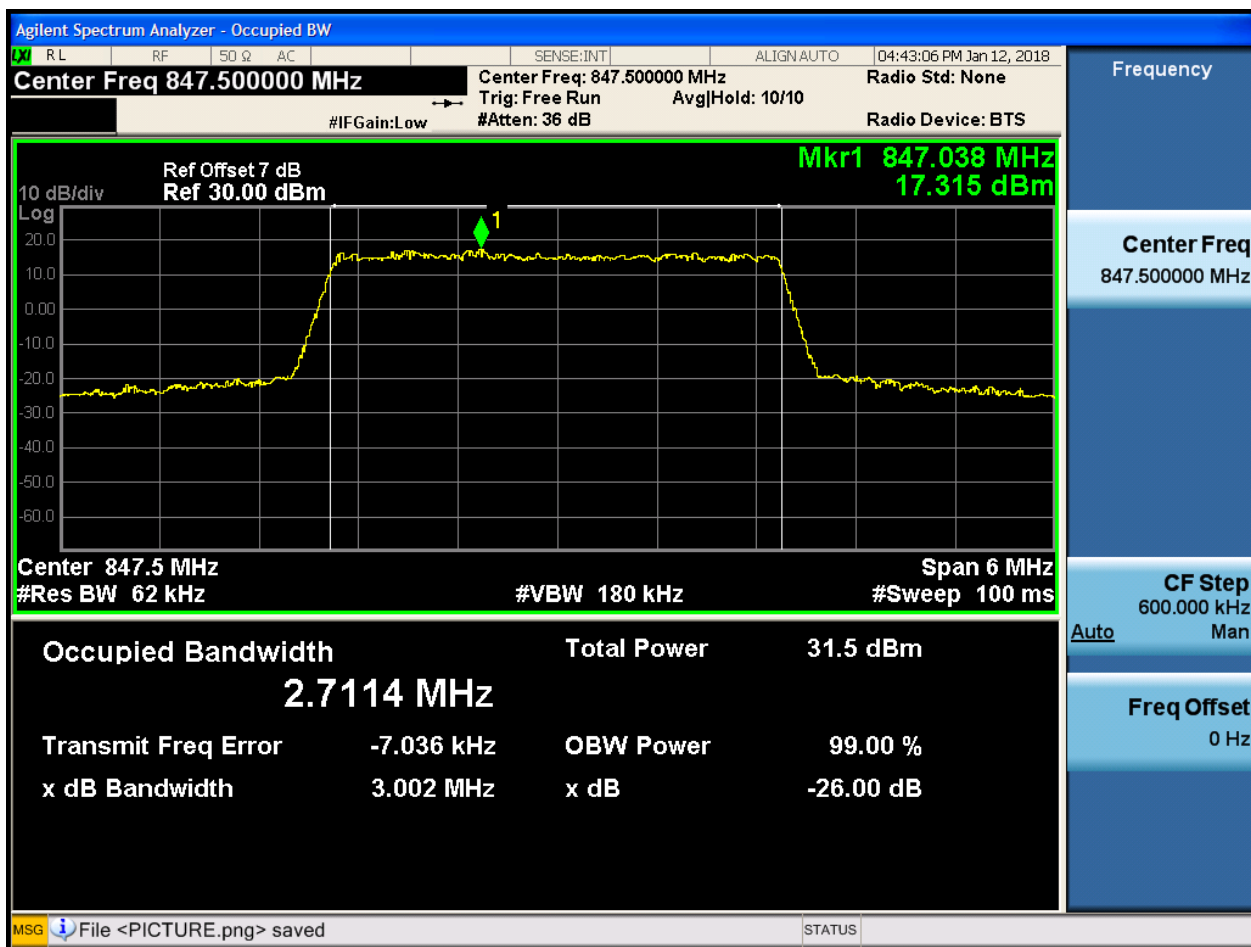
4.3.1.1.2.2.1 Test RB = RB15#0





4.3.1.1.2.3 Test Channel = HCH

4.3.1.1.2.3.1 Test RB = RB15#0

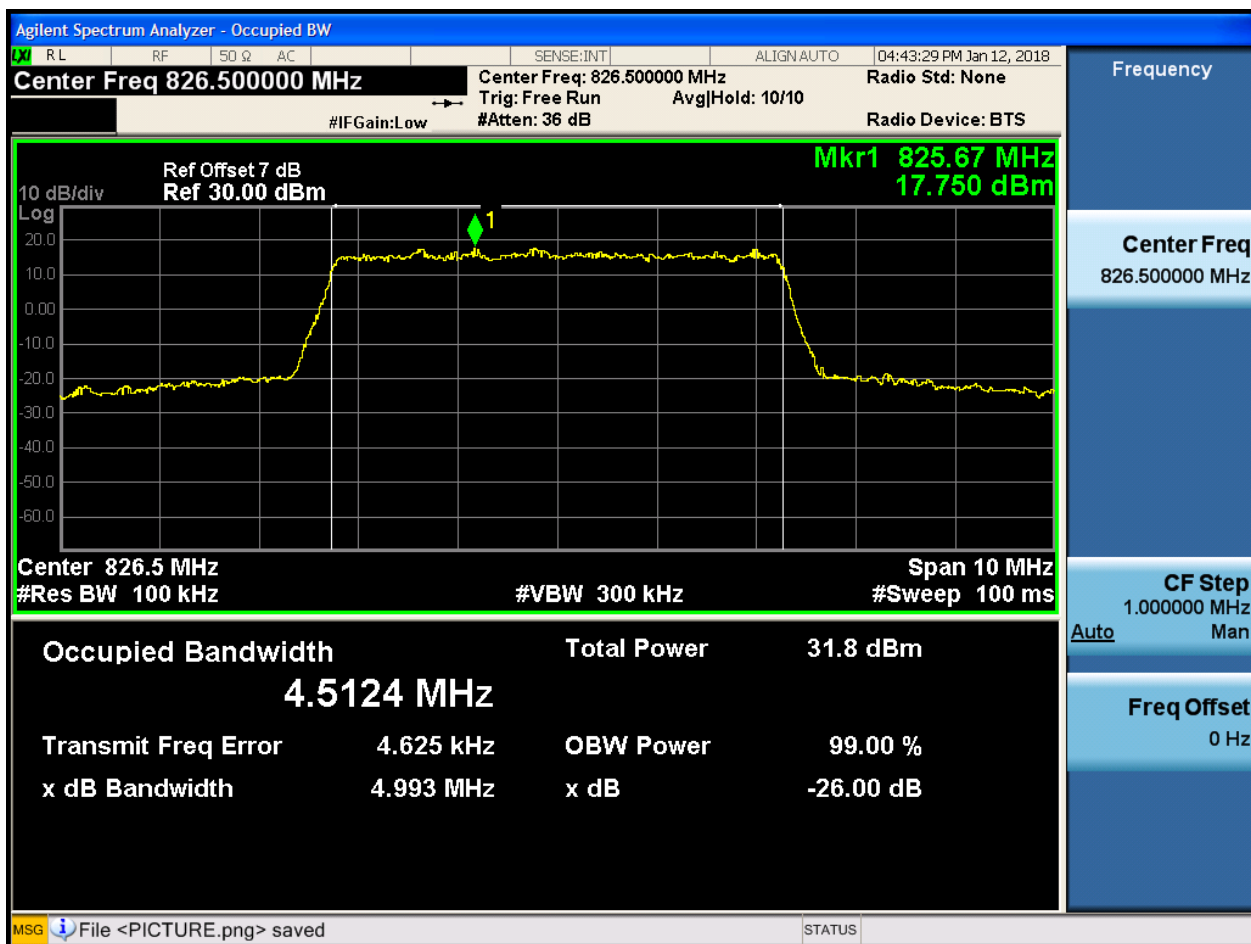




4.3.1.1.3 Test Bandwidth = 5

4.3.1.1.3.1 Test Channel = LCH

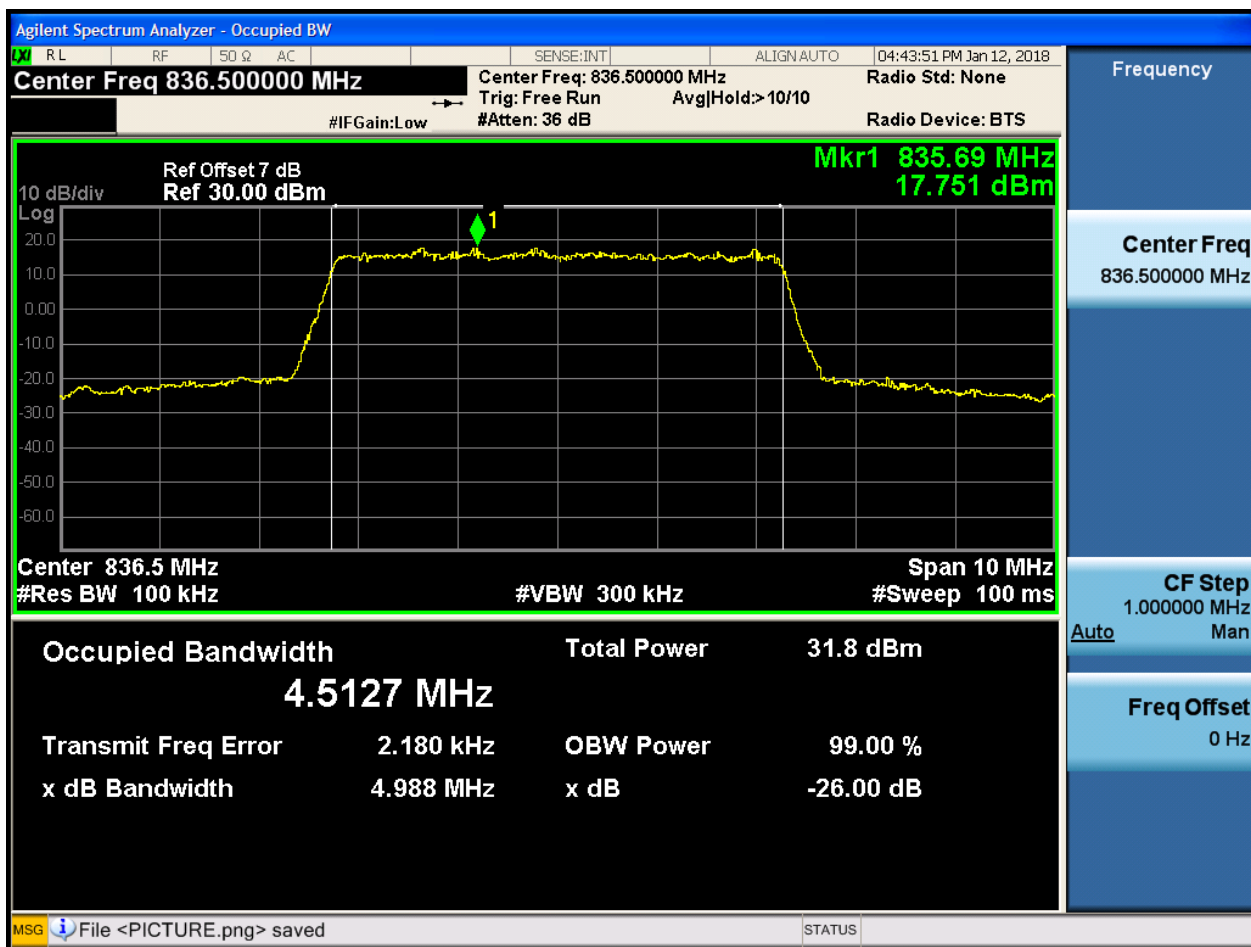
4.3.1.1.3.1.1 Test RB = RB25#0





4.3.1.1.3.2 Test Channel = MCH

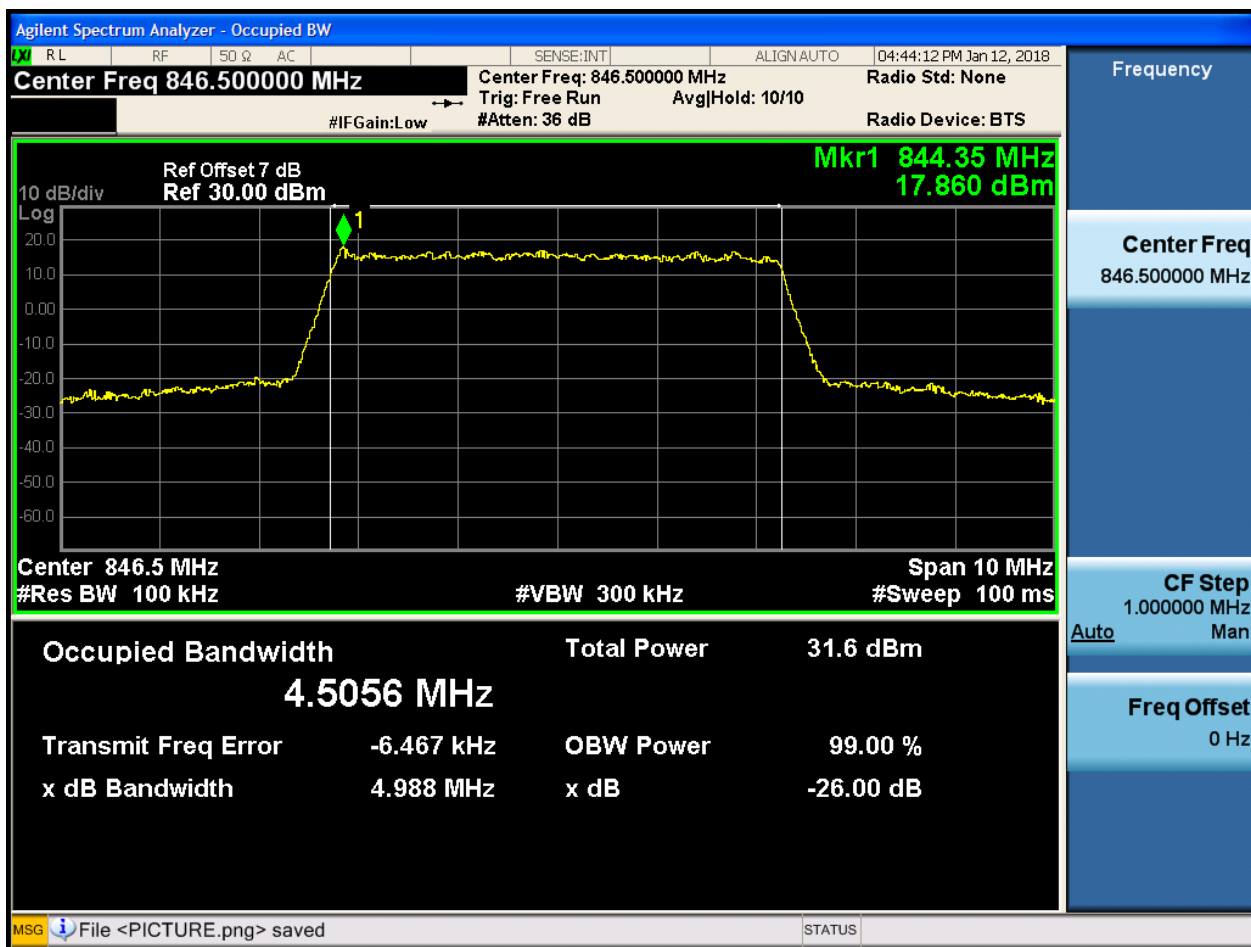
4.3.1.1.3.2.1 Test RB = RB25#0





4.3.1.1.3.3 Test Channel = HCH

4.3.1.1.3.3.1 Test RB = RB25#0

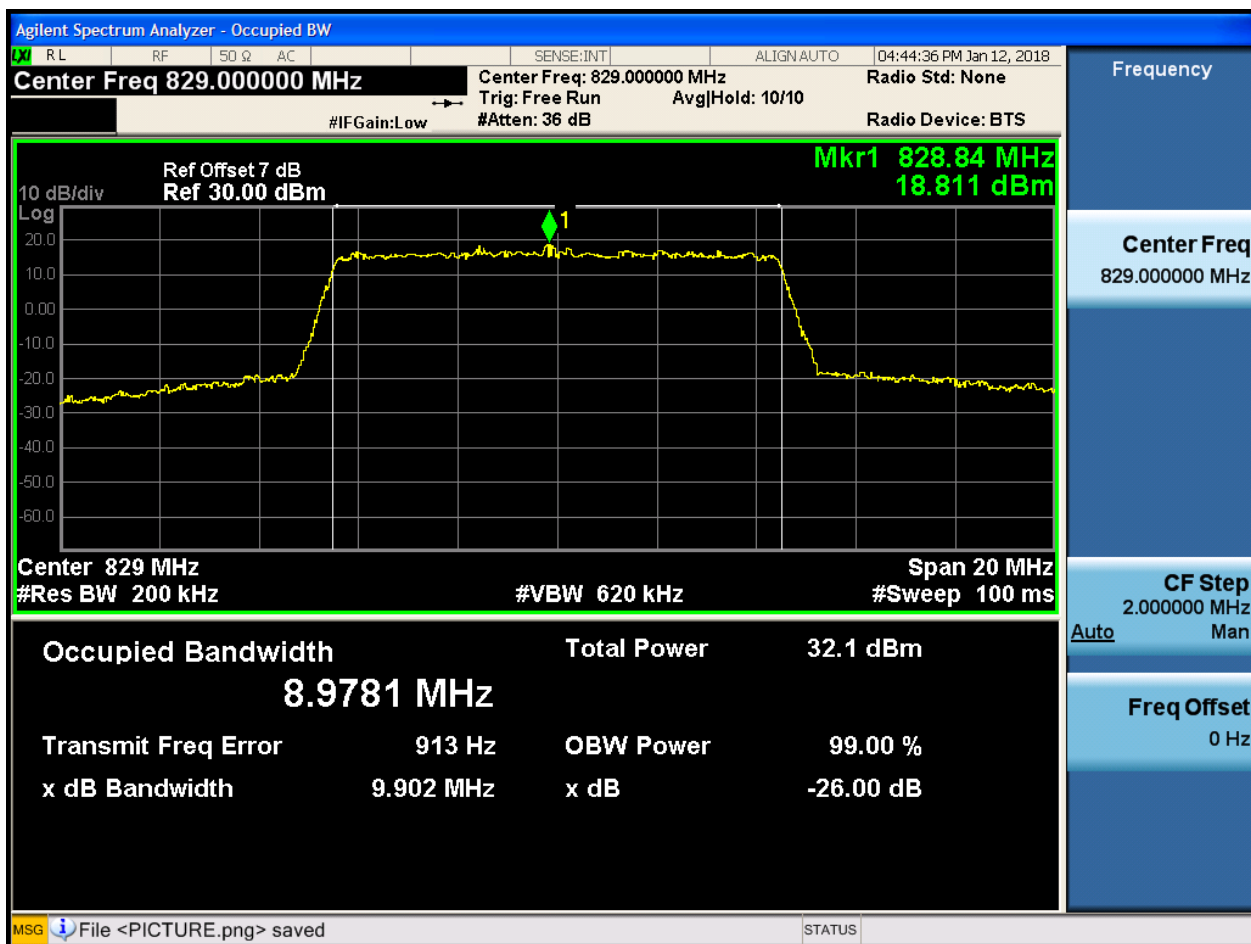




4.3.1.1.4 Test Bandwidth = 10

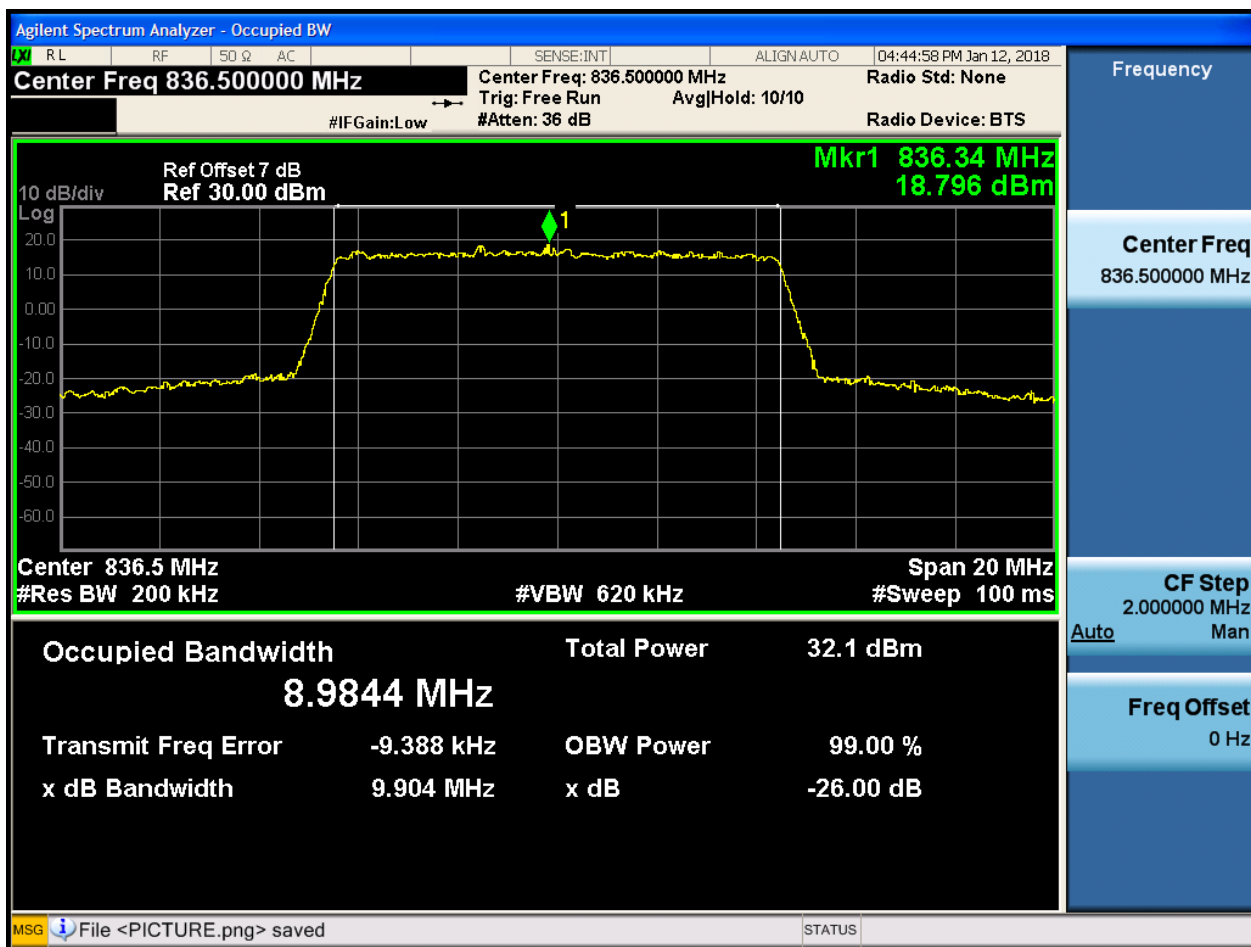
4.3.1.1.4.1 Test Channel = LCH

4.3.1.1.4.1.1 Test RB = RB50#0



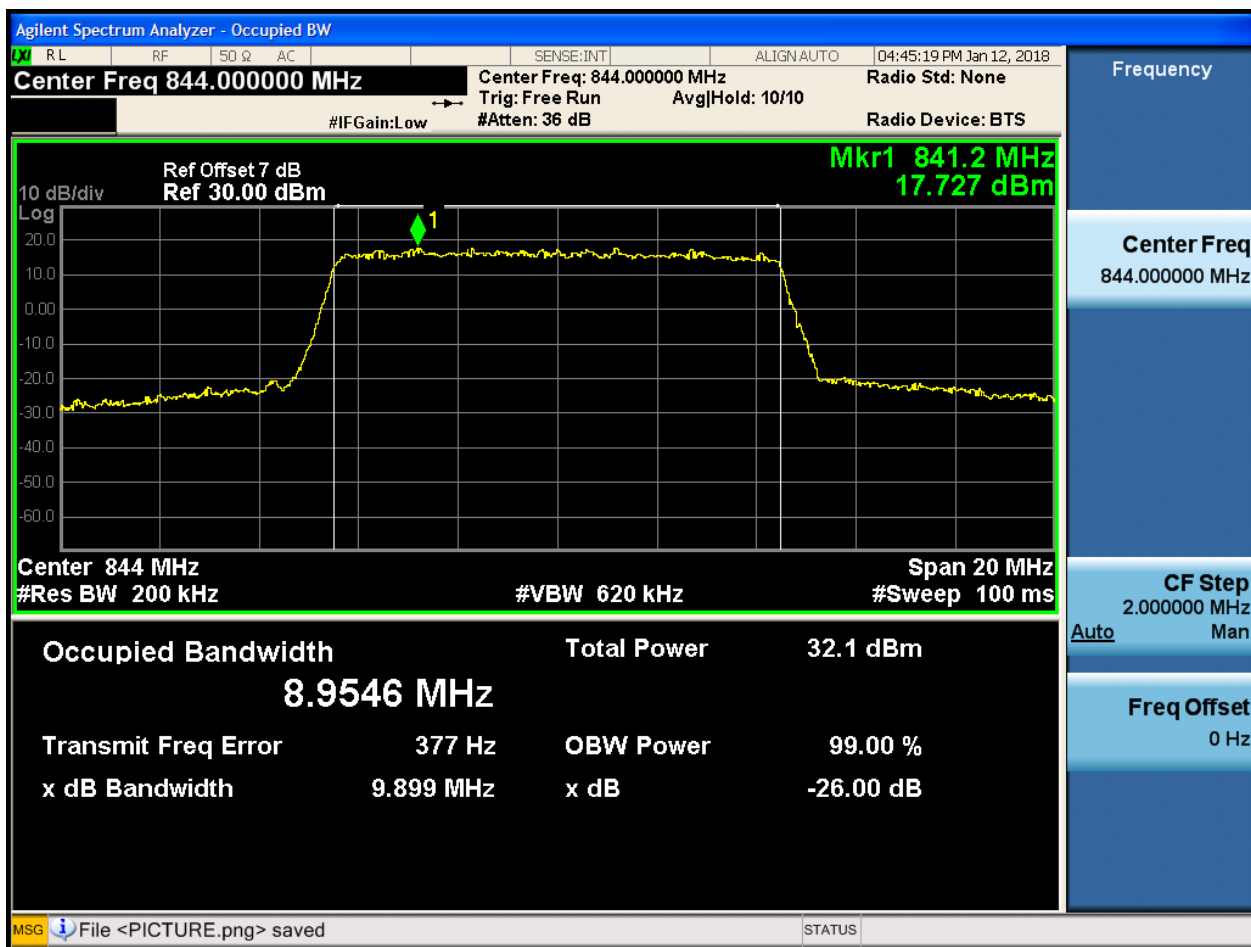
4.3.1.1.4.2 Test Channel = MCH

4.3.1.1.4.2.1 Test RB = RB50#0



4.3.1.1.4.3 Test Channel = HCH

4.3.1.1.4.3.1 Test RB = RB50#0



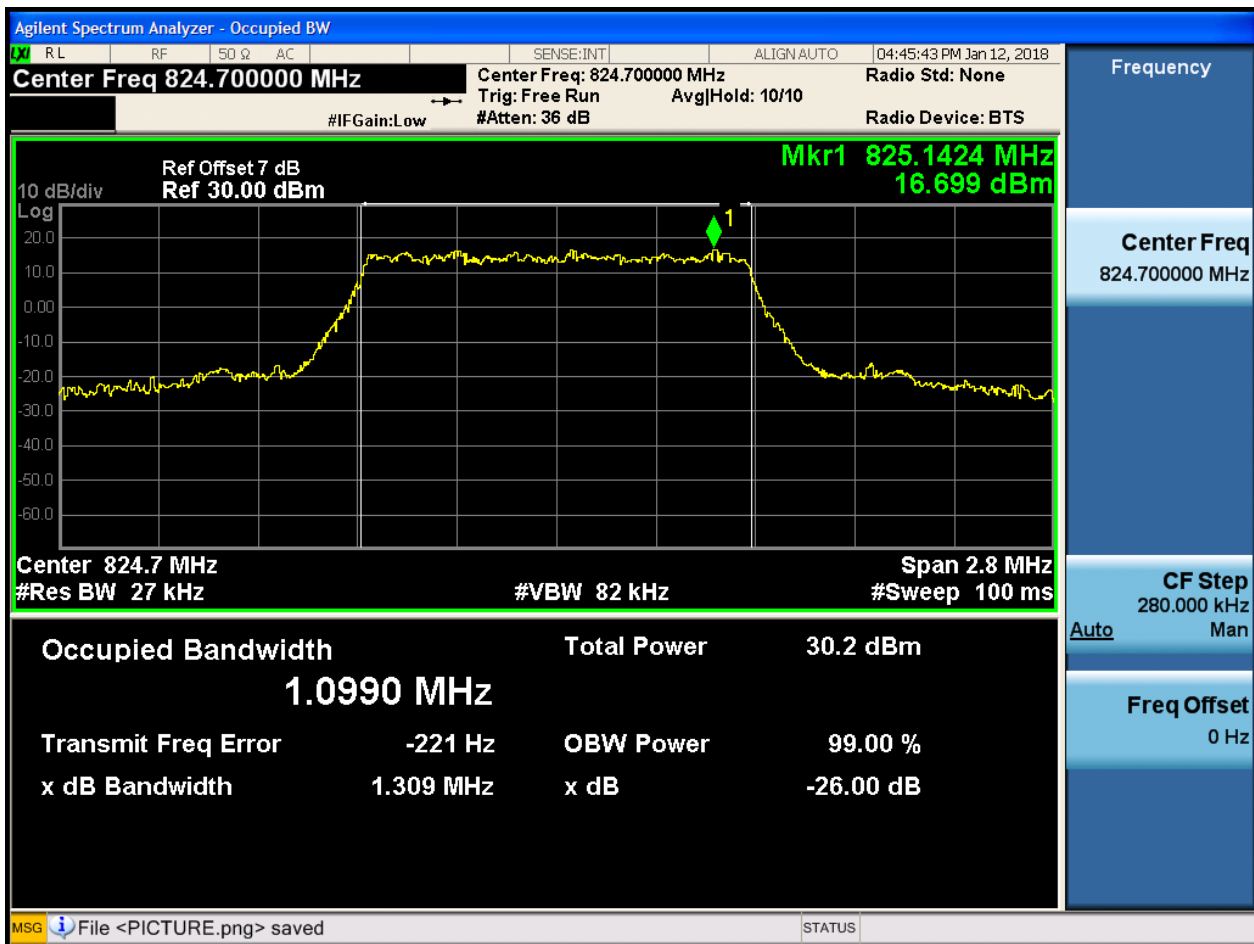


4.3.1.2 Test Mode = LTE/TM2

4.3.1.2.1 Test Bandwidth = 1.4

4.3.1.2.1.1 Test Channel = LCH

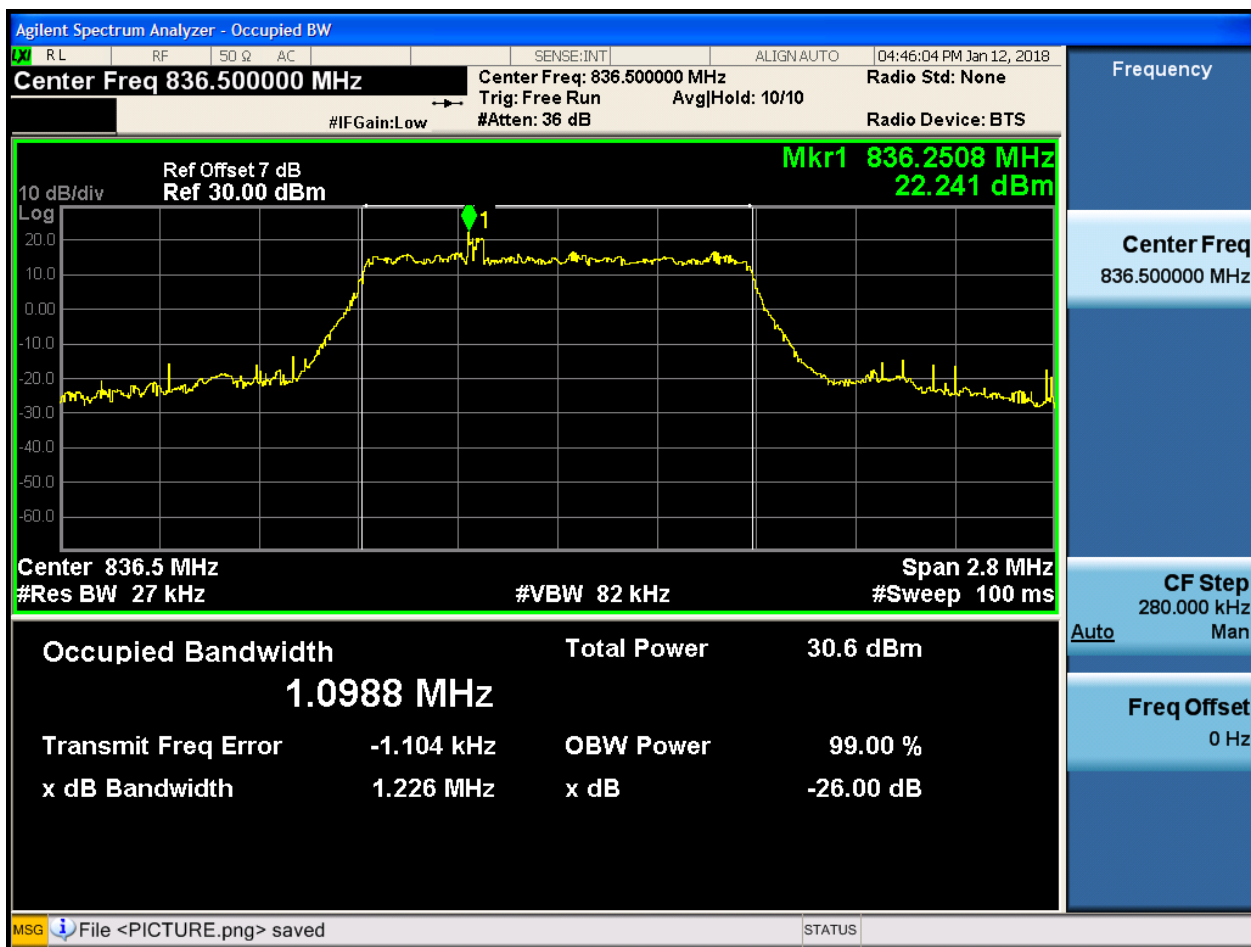
4.3.1.2.1.1.1 Test RB = RB6#0





4.3.1.2.1.2 Test Channel = MCH

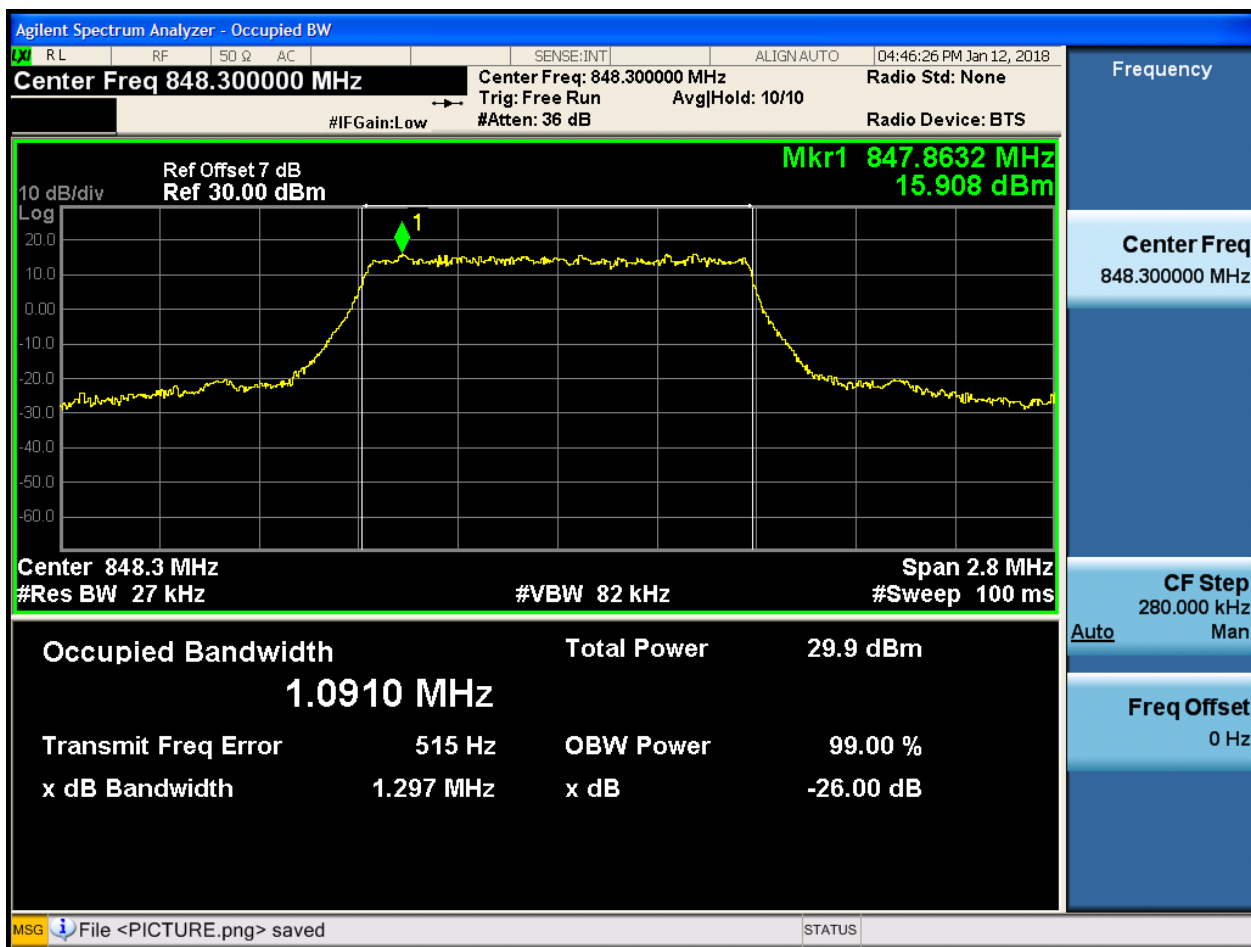
4.3.1.2.1.2.1 Test RB = RB6#0





4.3.1.2.1.3 Test Channel = HCH

4.3.1.2.1.3.1 Test RB = RB6#0

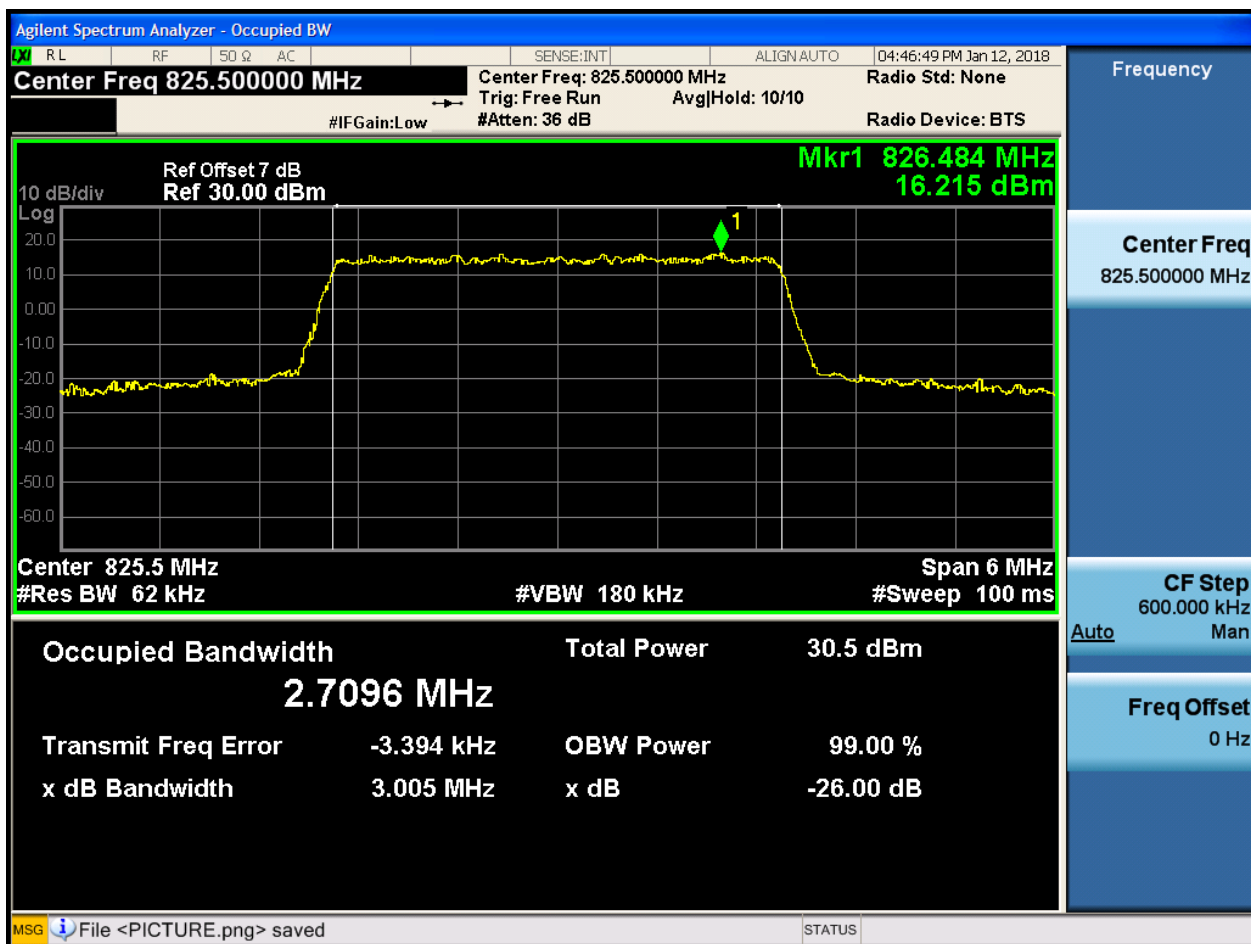




4.3.1.2.2 Test Bandwidth = 3

4.3.1.2.2.1 Test Channel = LCH

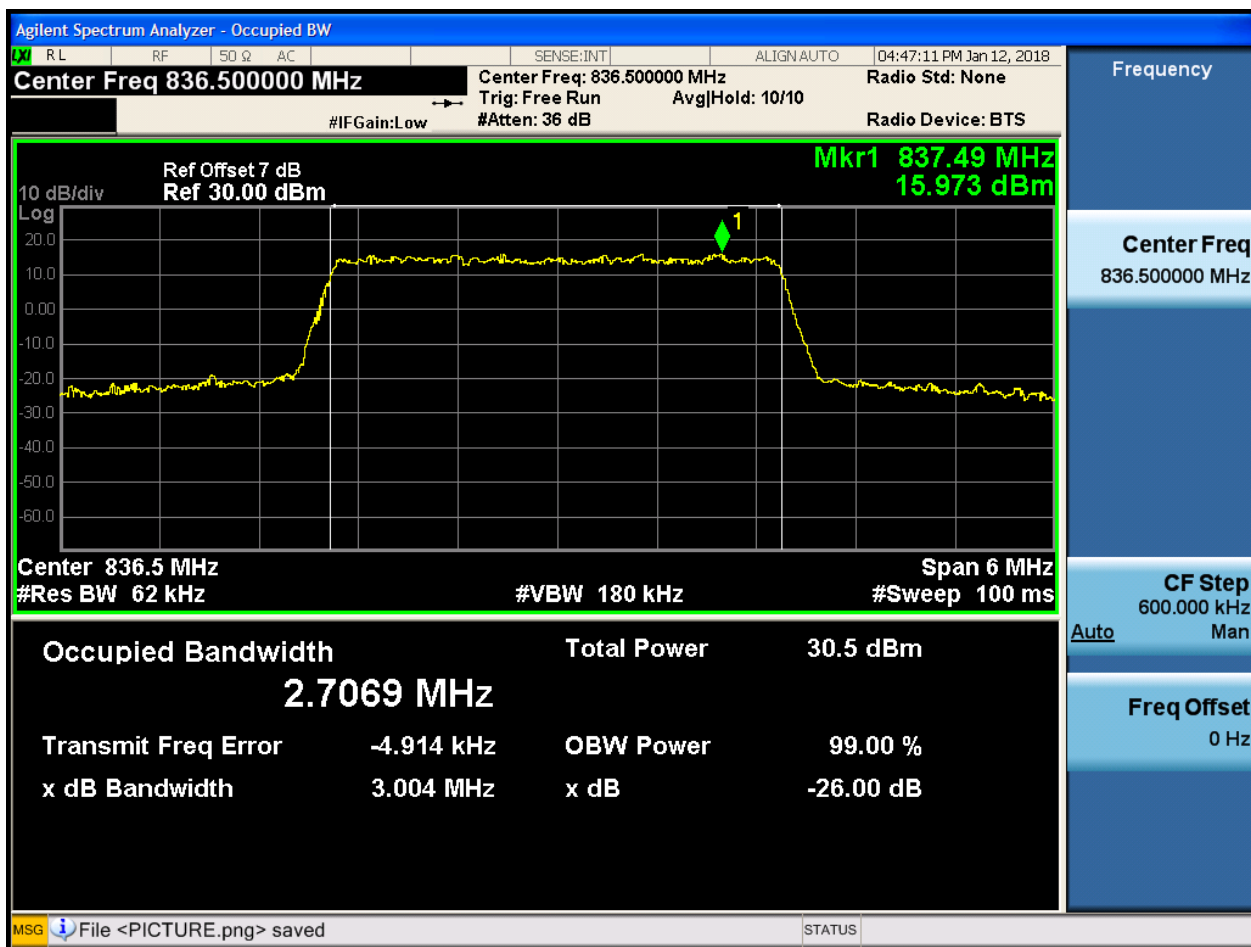
4.3.1.2.2.1.1 Test RB = RB15#0





4.3.1.2.2.2 Test Channel = MCH

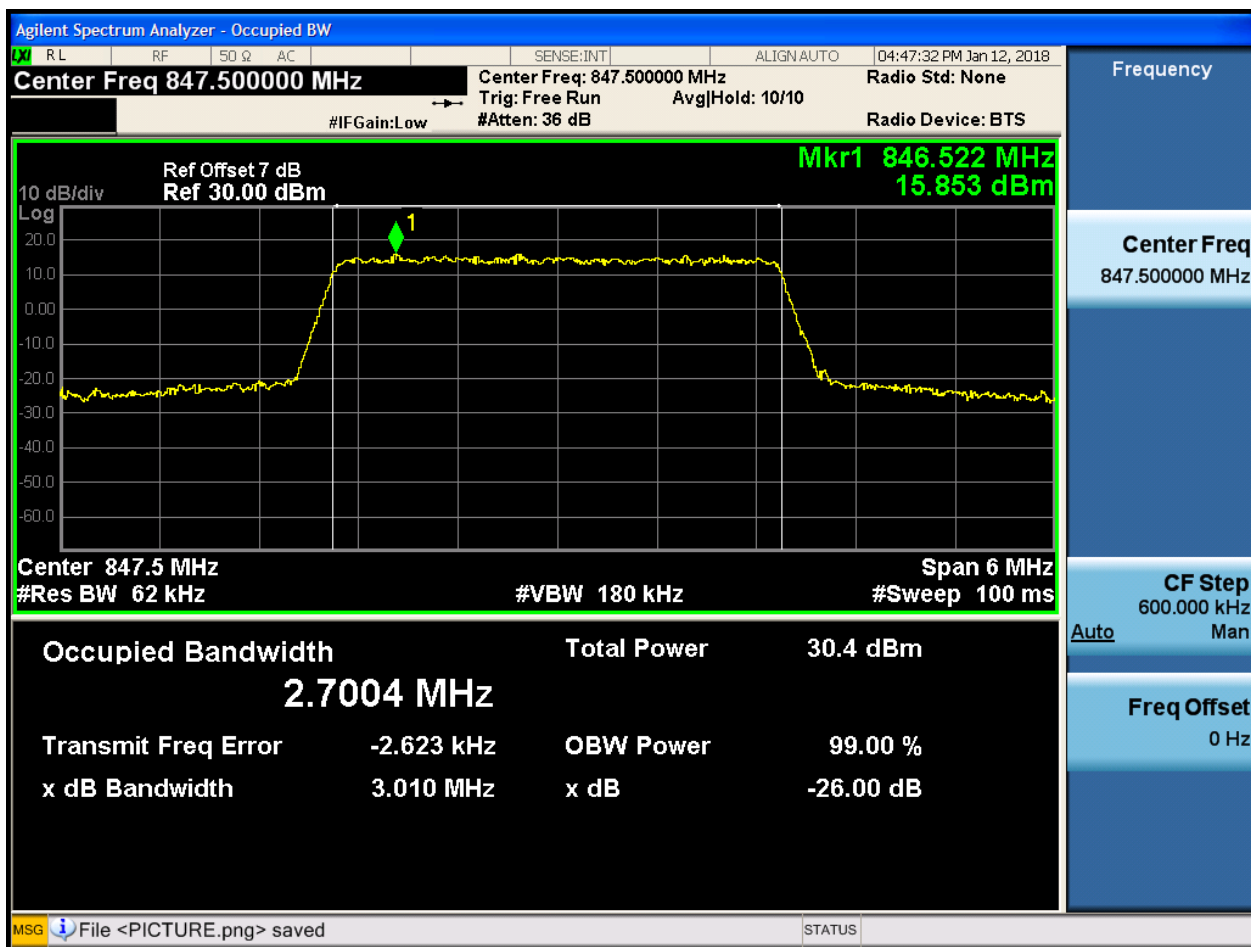
4.3.1.2.2.2.1 Test RB = RB15#0





4.3.1.2.2.3 Test Channel = HCH

4.3.1.2.2.3.1 Test RB = RB15#0

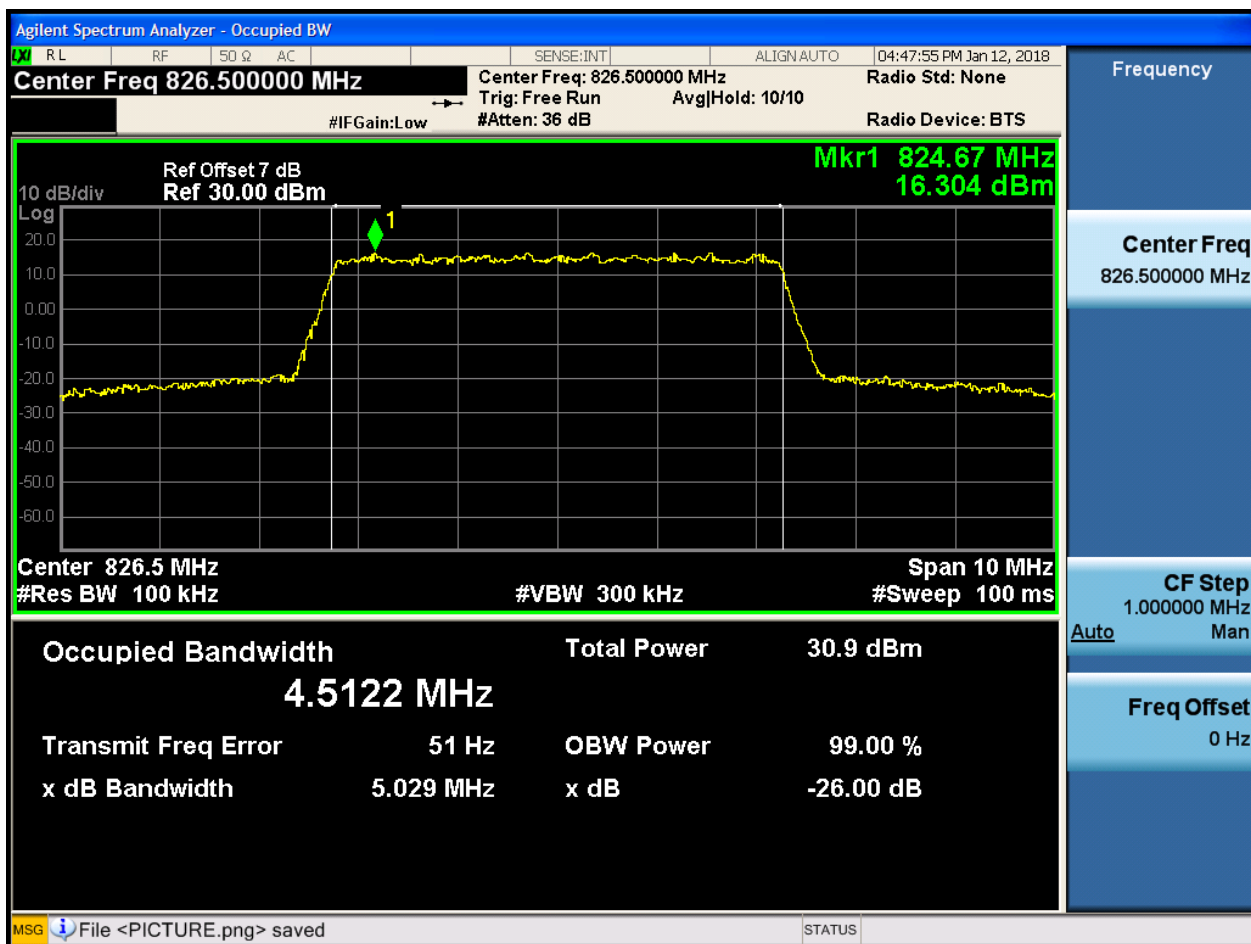




4.3.1.2.3 Test Bandwidth = 5

4.3.1.2.3.1 Test Channel = LCH

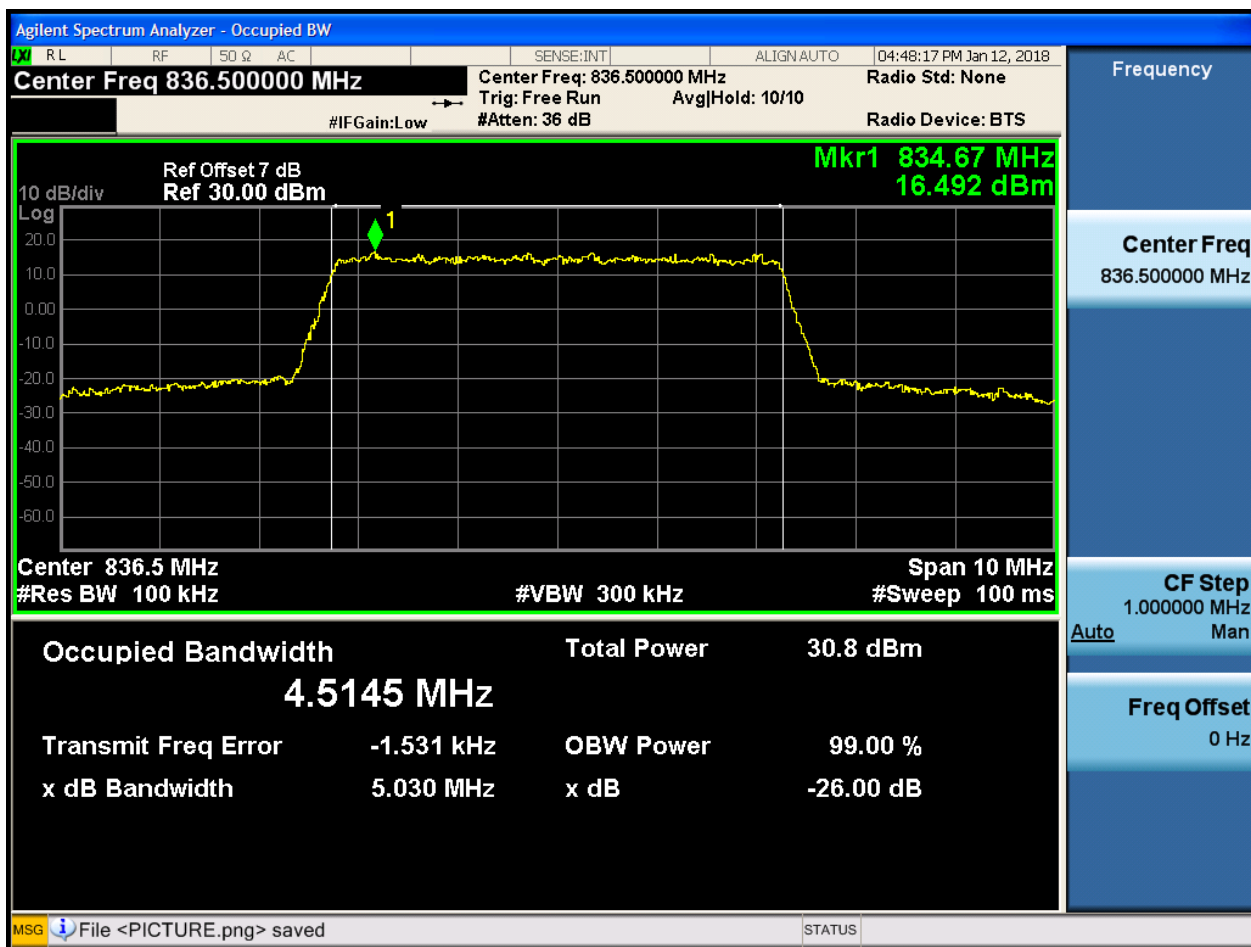
4.3.1.2.3.1.1 Test RB = RB25#0





4.3.1.2.3.2 Test Channel = MCH

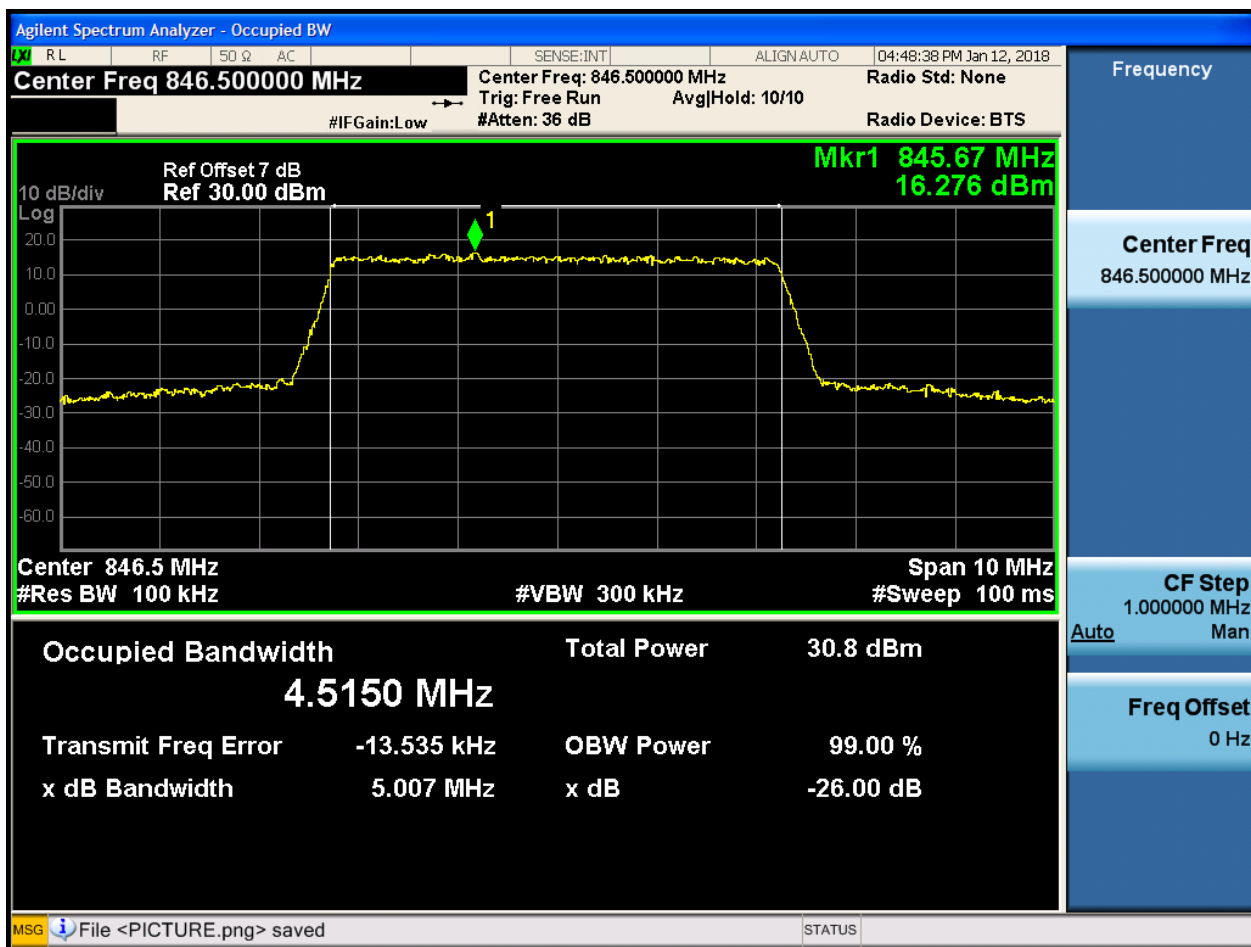
4.3.1.2.3.2.1 Test RB = RB25#0





4.3.1.2.3.3 Test Channel = HCH

4.3.1.2.3.3.1 Test RB = RB25#0

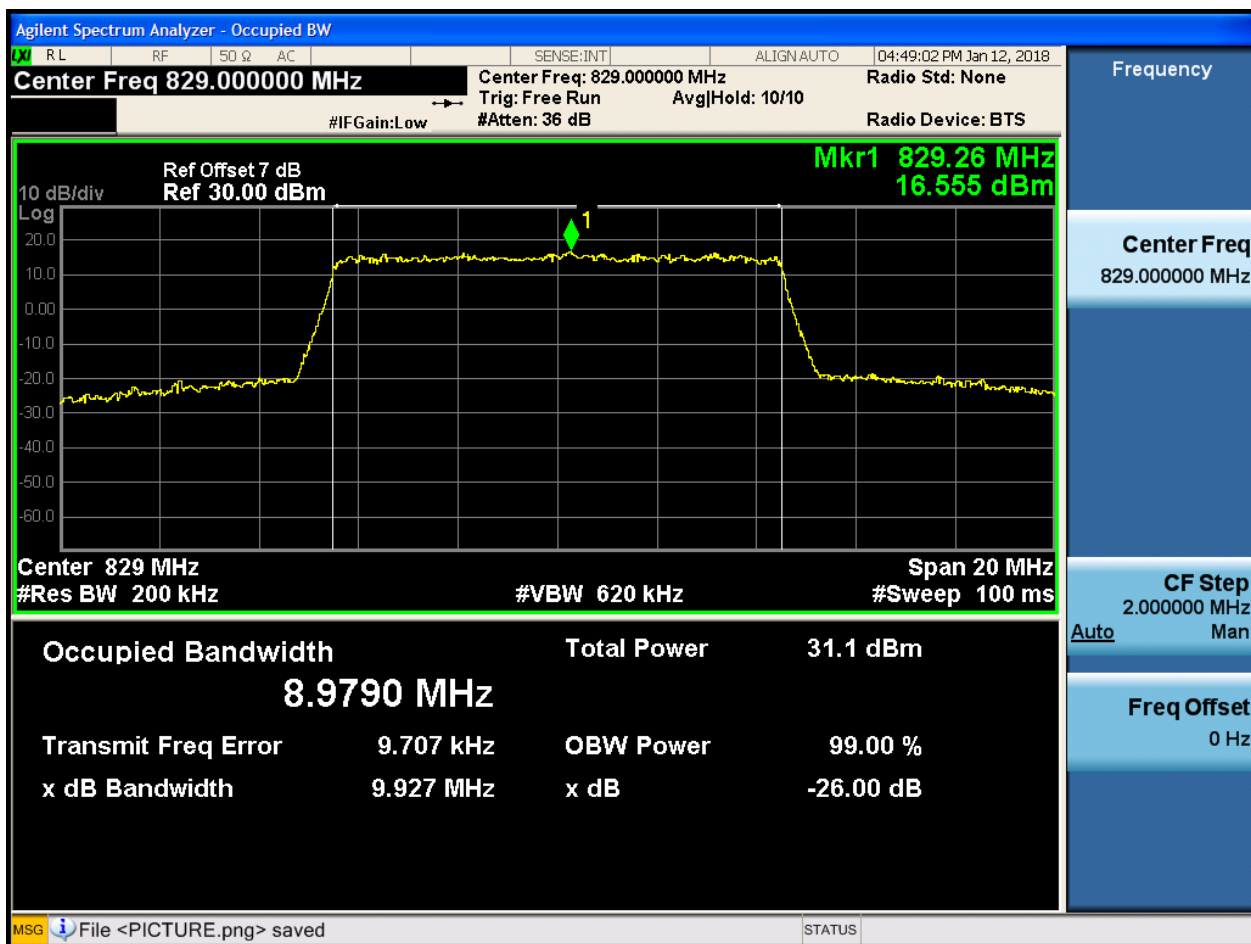




4.3.1.2.4 Test Bandwidth = 10

4.3.1.2.4.1 Test Channel = LCH

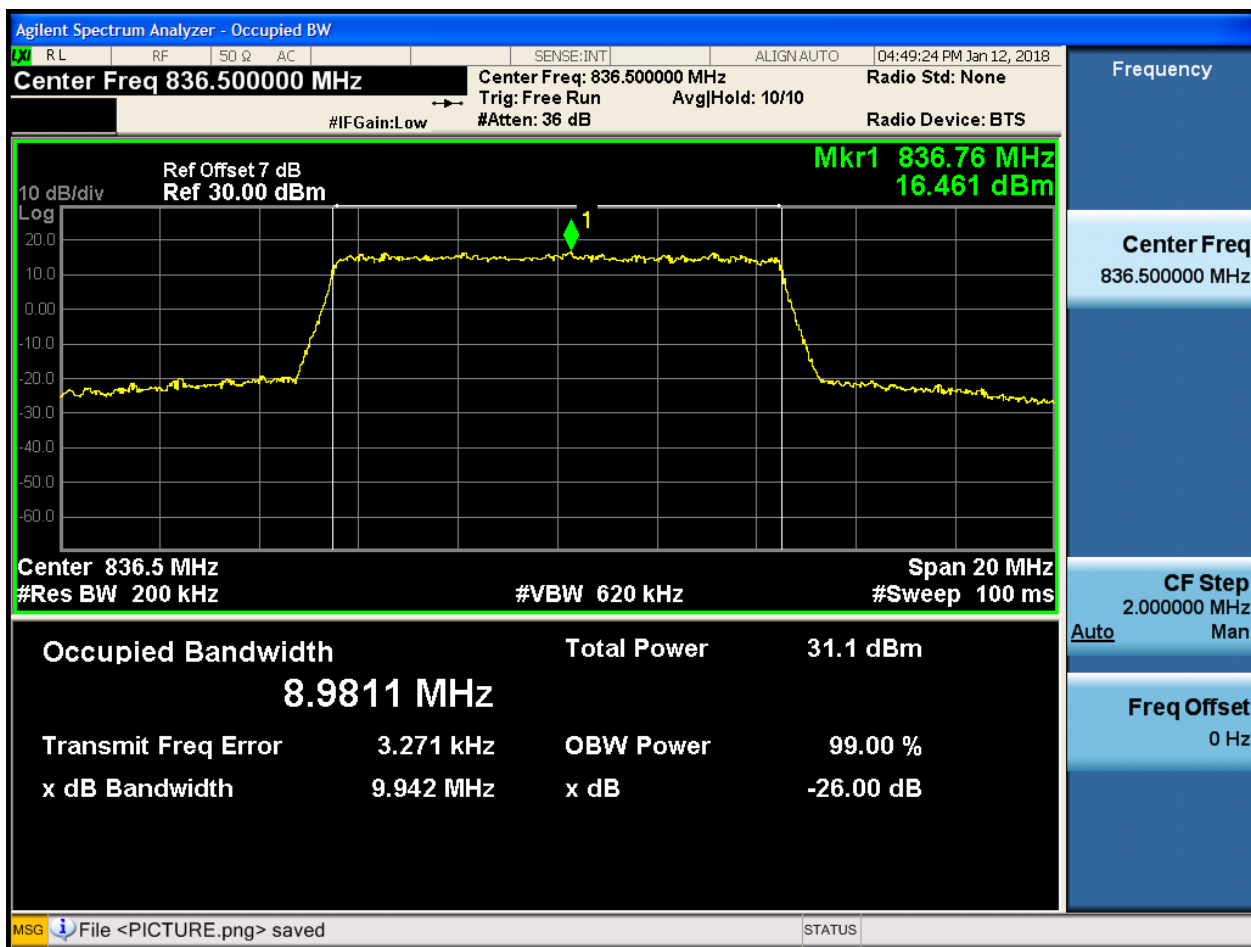
4.3.1.2.4.1.1 Test RB = RB50#0





4.3.1.2.4.2 Test Channel = MCH

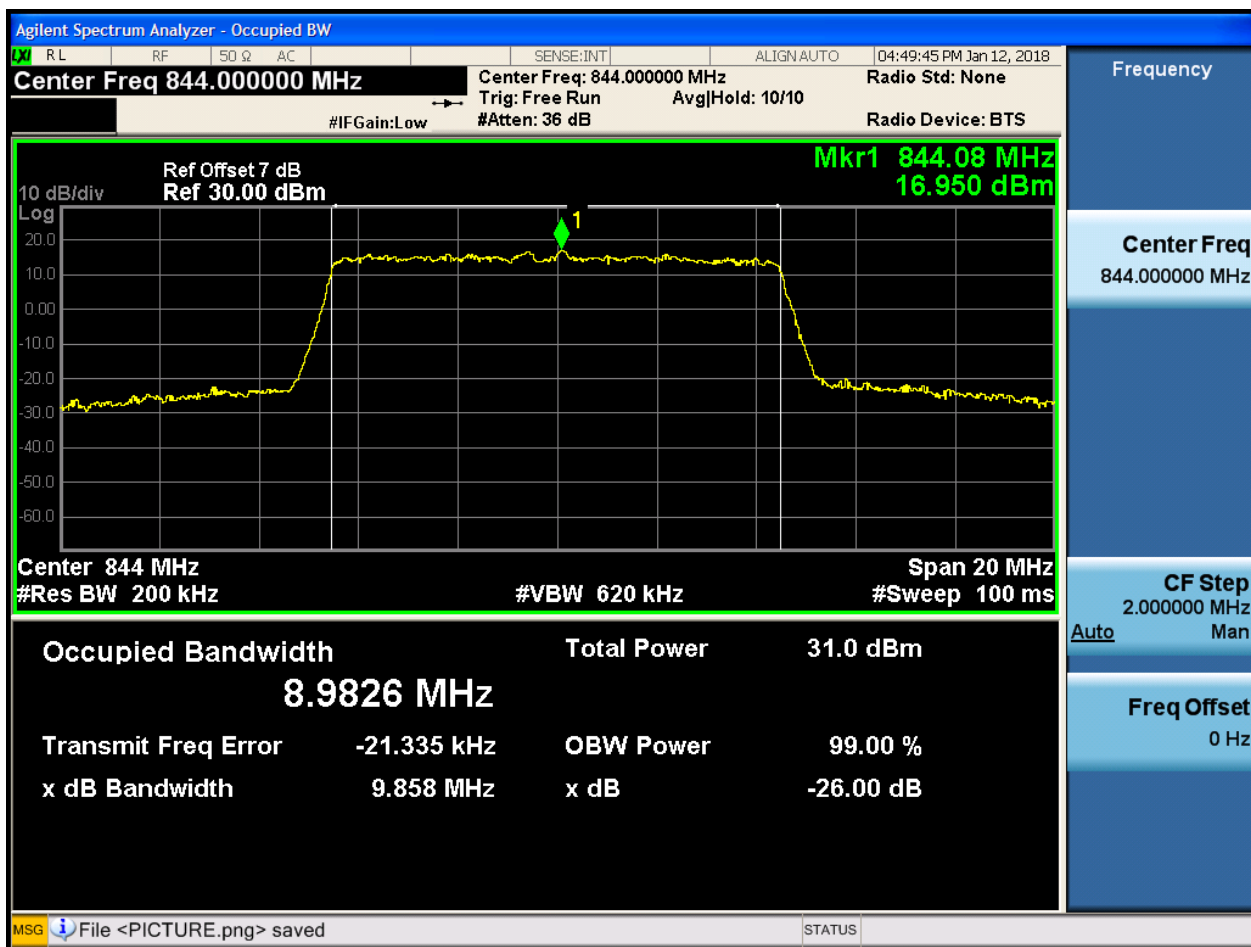
4.3.1.2.4.2.1 Test RB = RB50#0





4.3.1.2.4.3 Test Channel = HCH

4.3.1.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

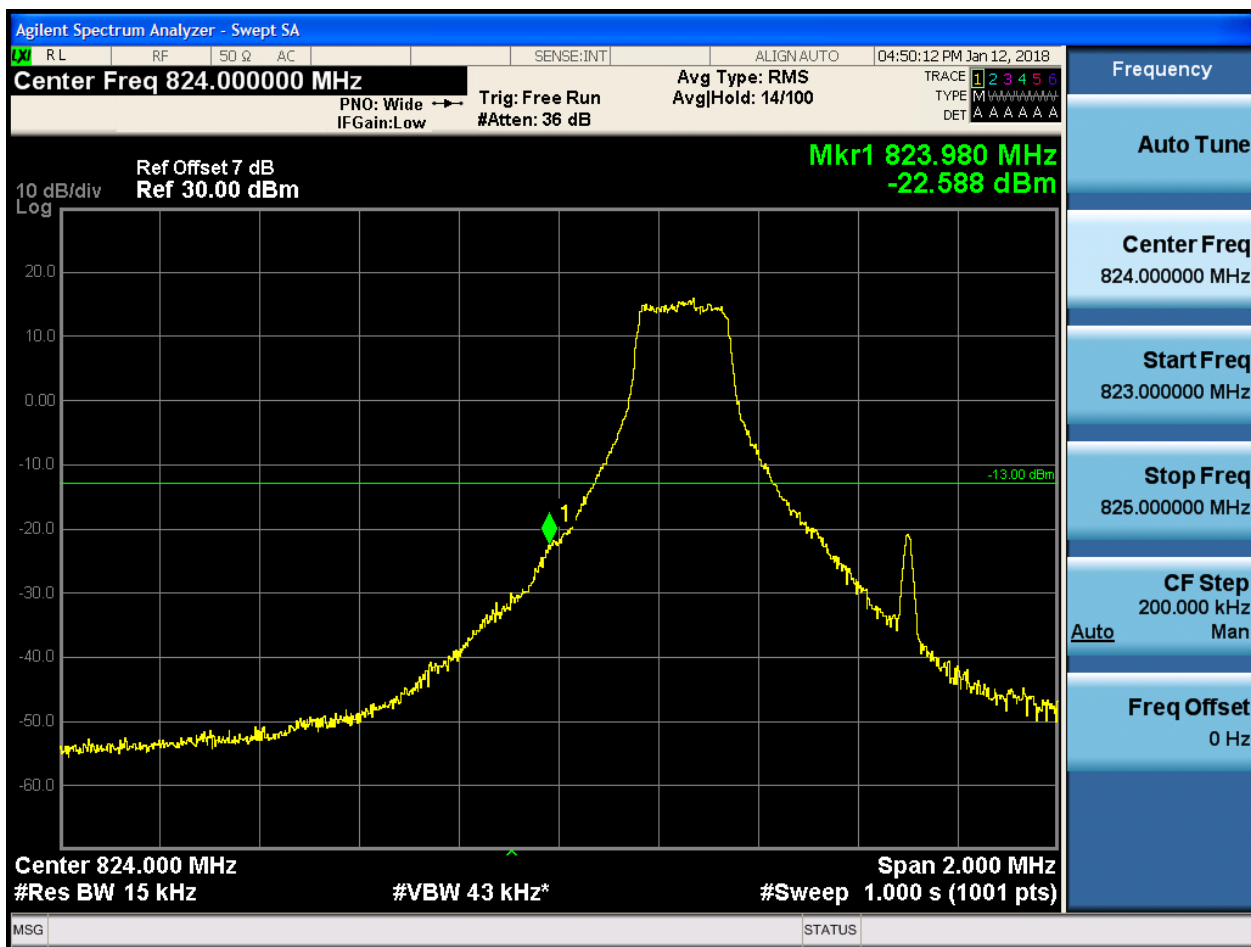
5.1.1 Test Band = BAND5

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



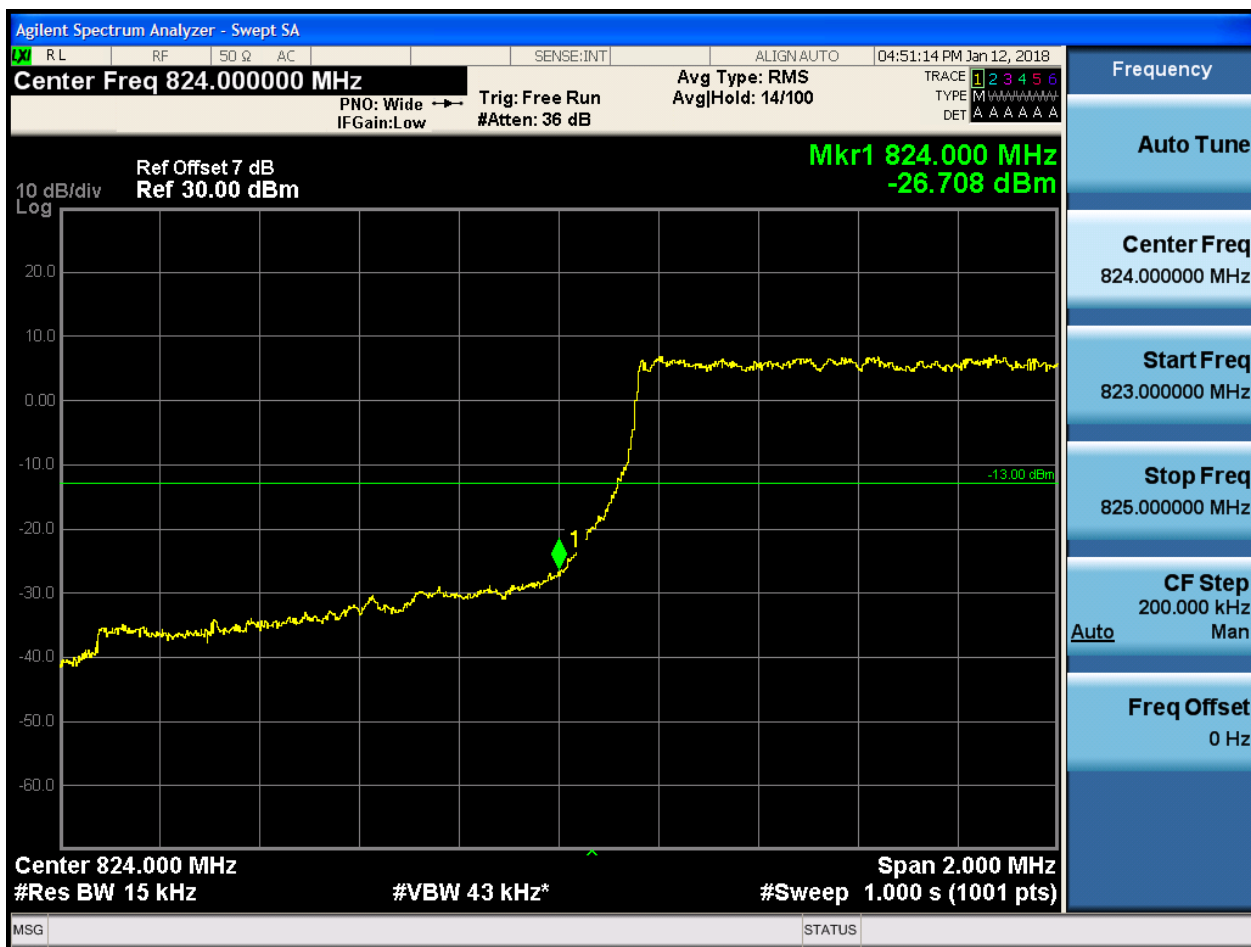


5.1.1.1.1.3 Test RB = RB3#2





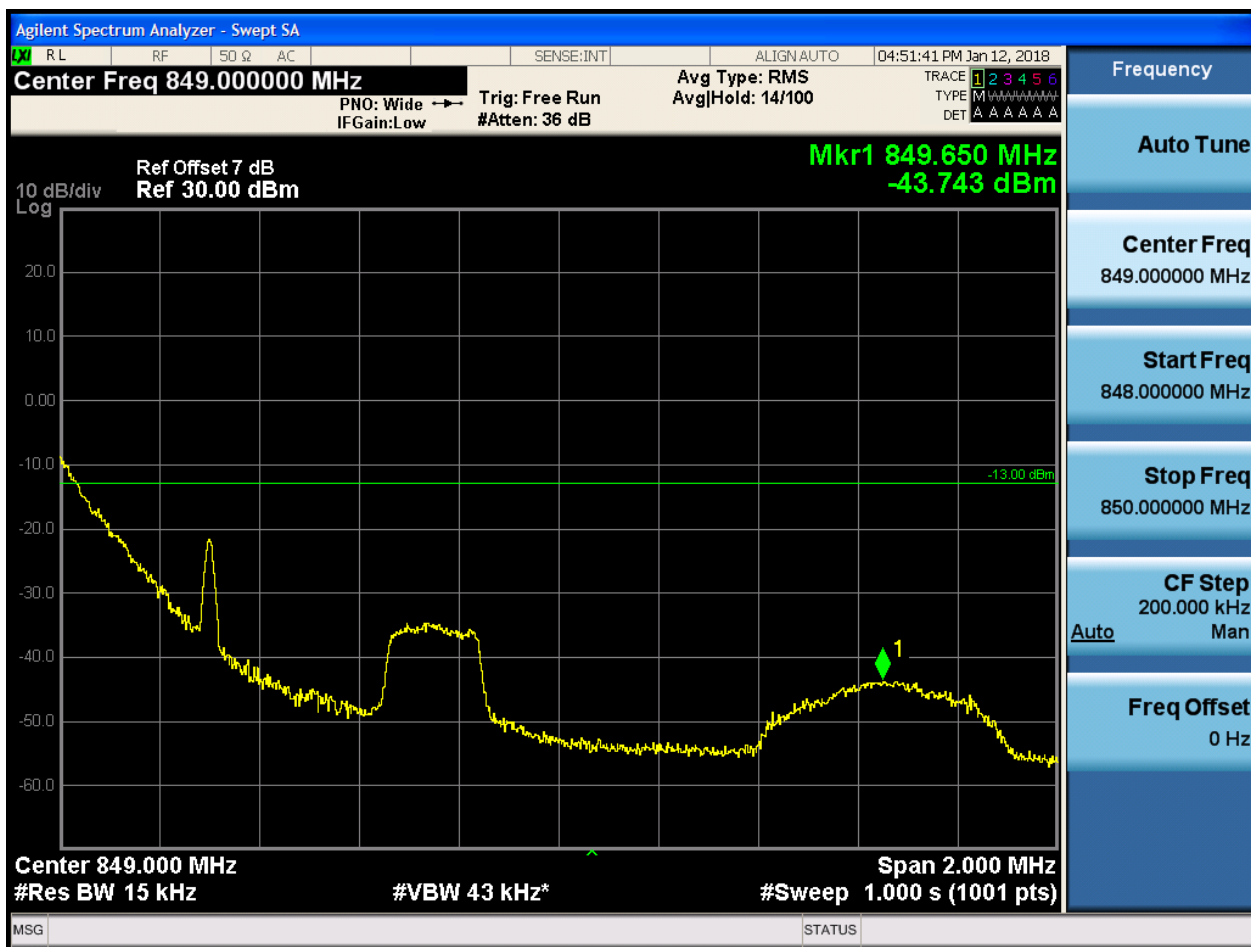
5.1.1.1.1.4 Test RB = RB6#0





5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 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)

Mkr1 849.000 MHz
-22.059 dBm

-13.00 dBm

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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:52:21 PM Jan 12, 2018

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-25.868 dBm

10 dB/div
Log

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

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

MSG STATUS

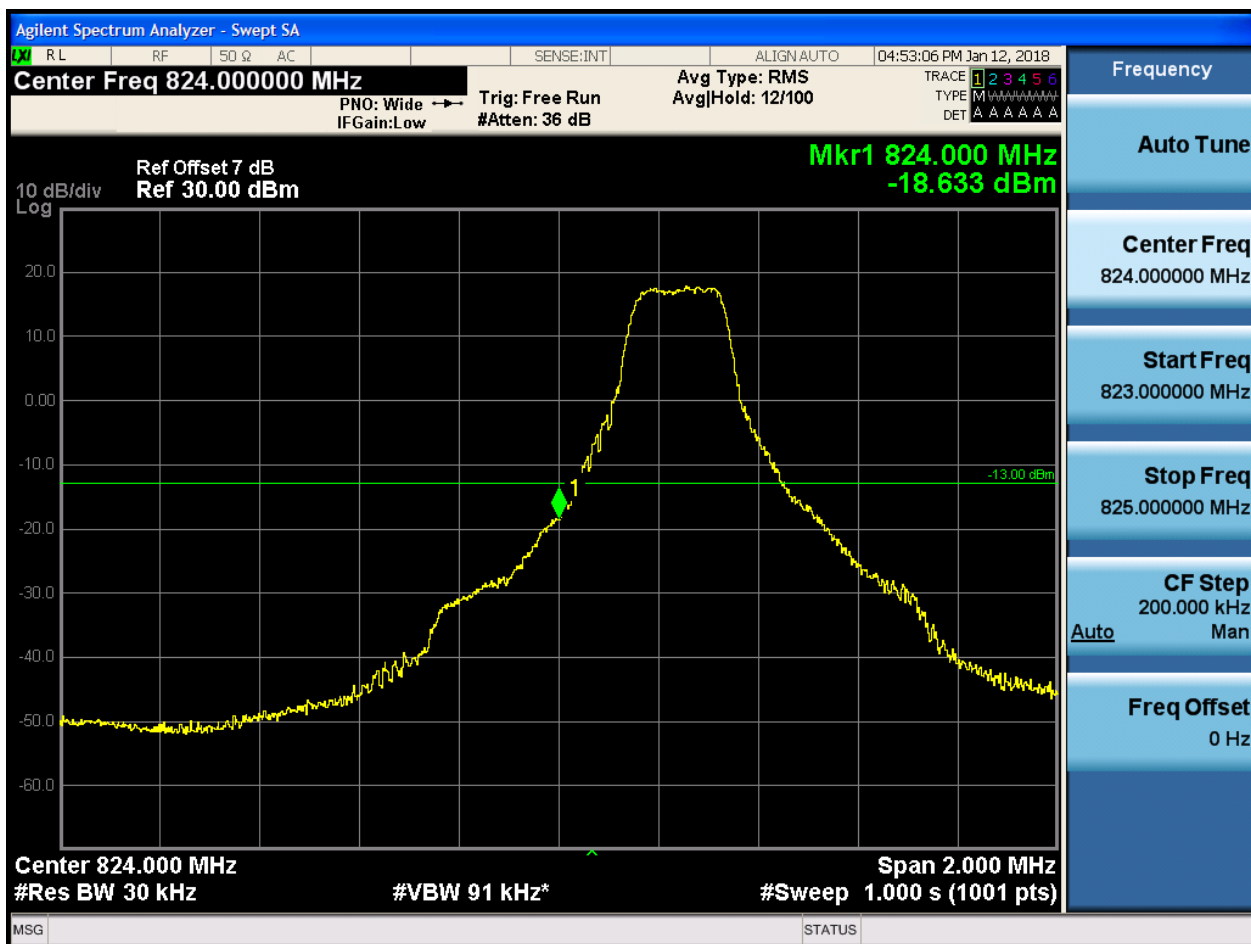
5.1.1.1.1.2.4 Test RB = RB6#0



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 04:53:24 PM Jan 12, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 Ref Offset 7 dB
Log Ref 30.00 dBm

Mkr1 823.010 MHz
-45.041 dBm

-13.00 dBm

Center 824.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 91 kHz*

Frequency

Auto Tune

Center Freq
824.000000 MHz

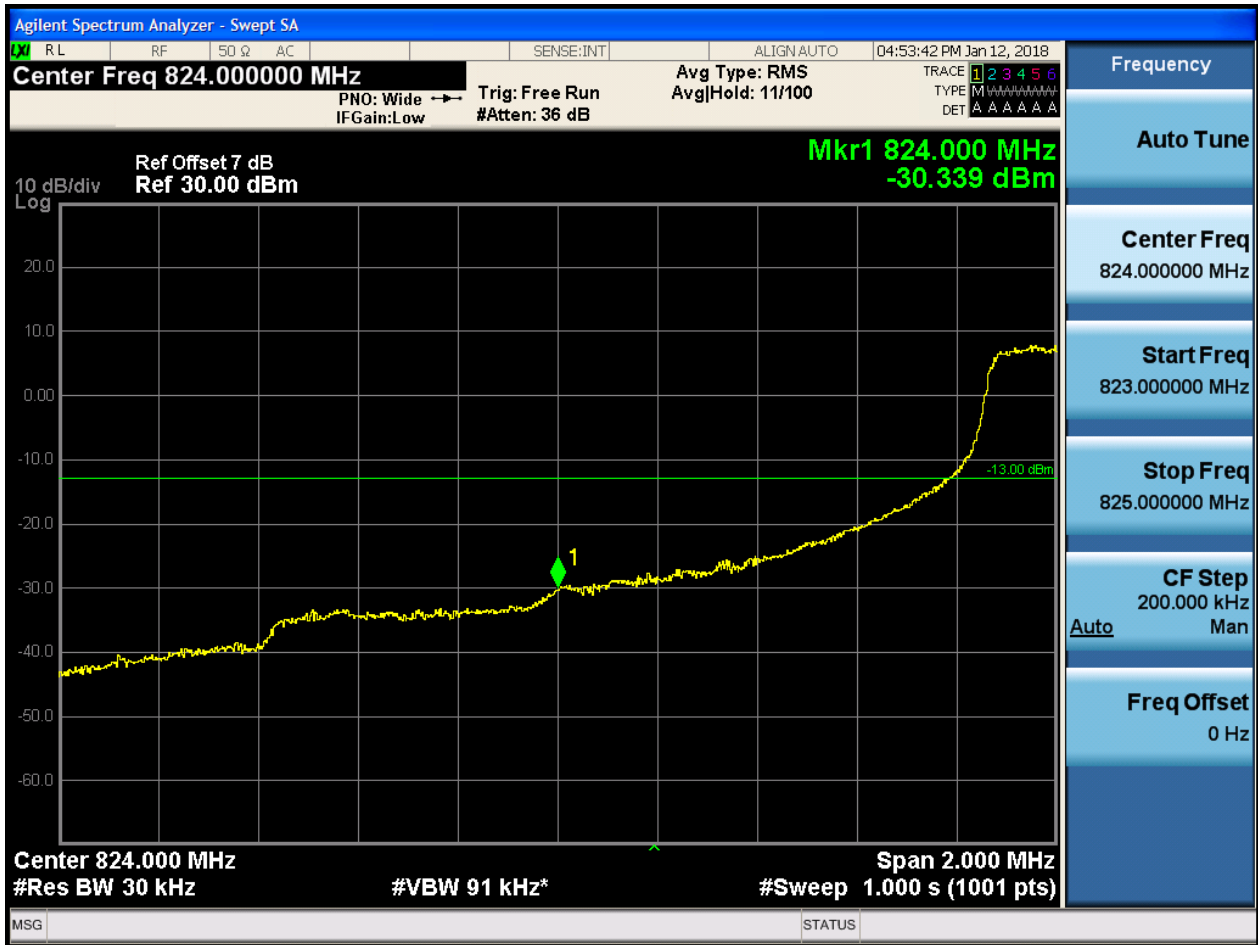
Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

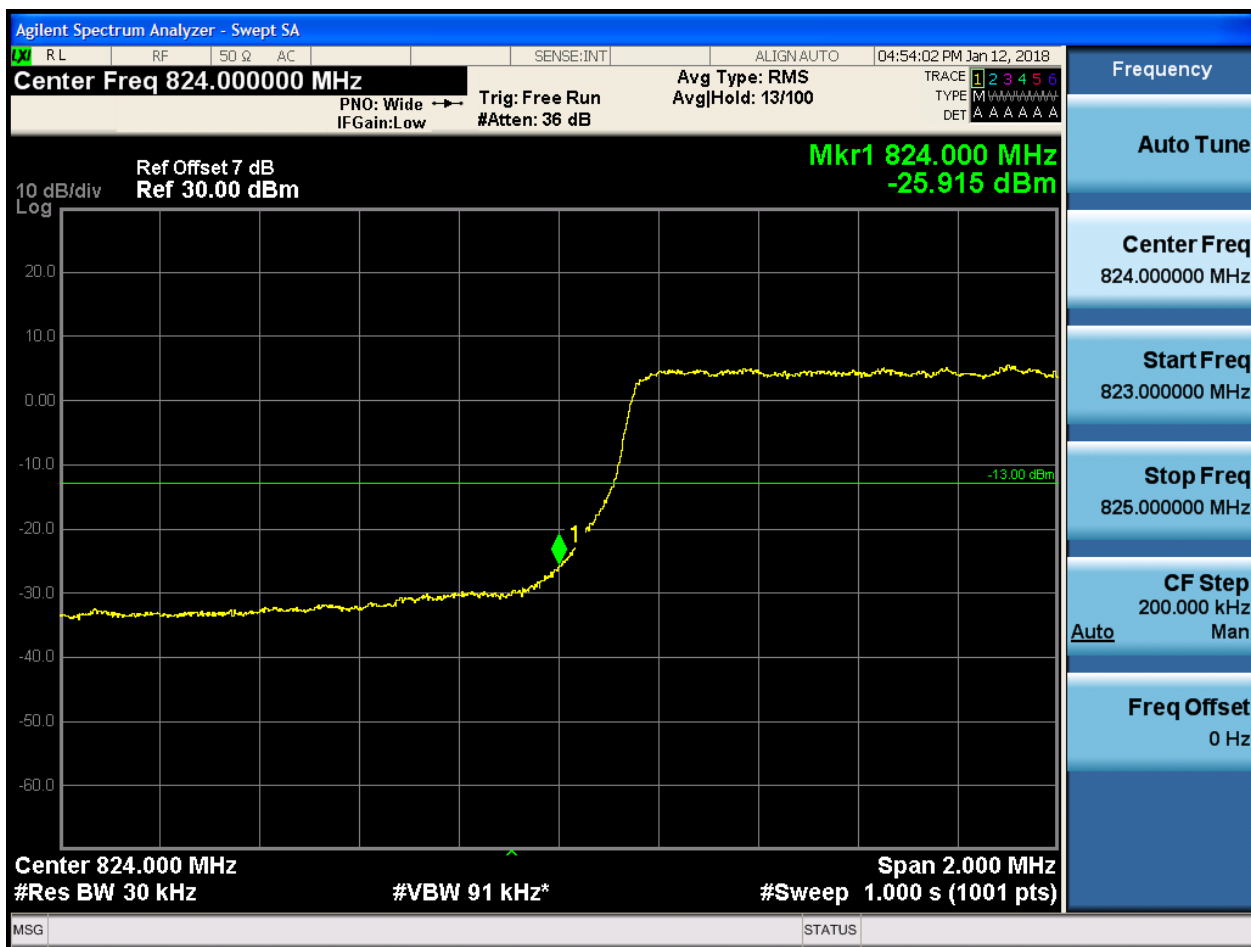
Freq Offset
0 Hz

5.1.1.1.2.1.3 Test RB = RB8#4



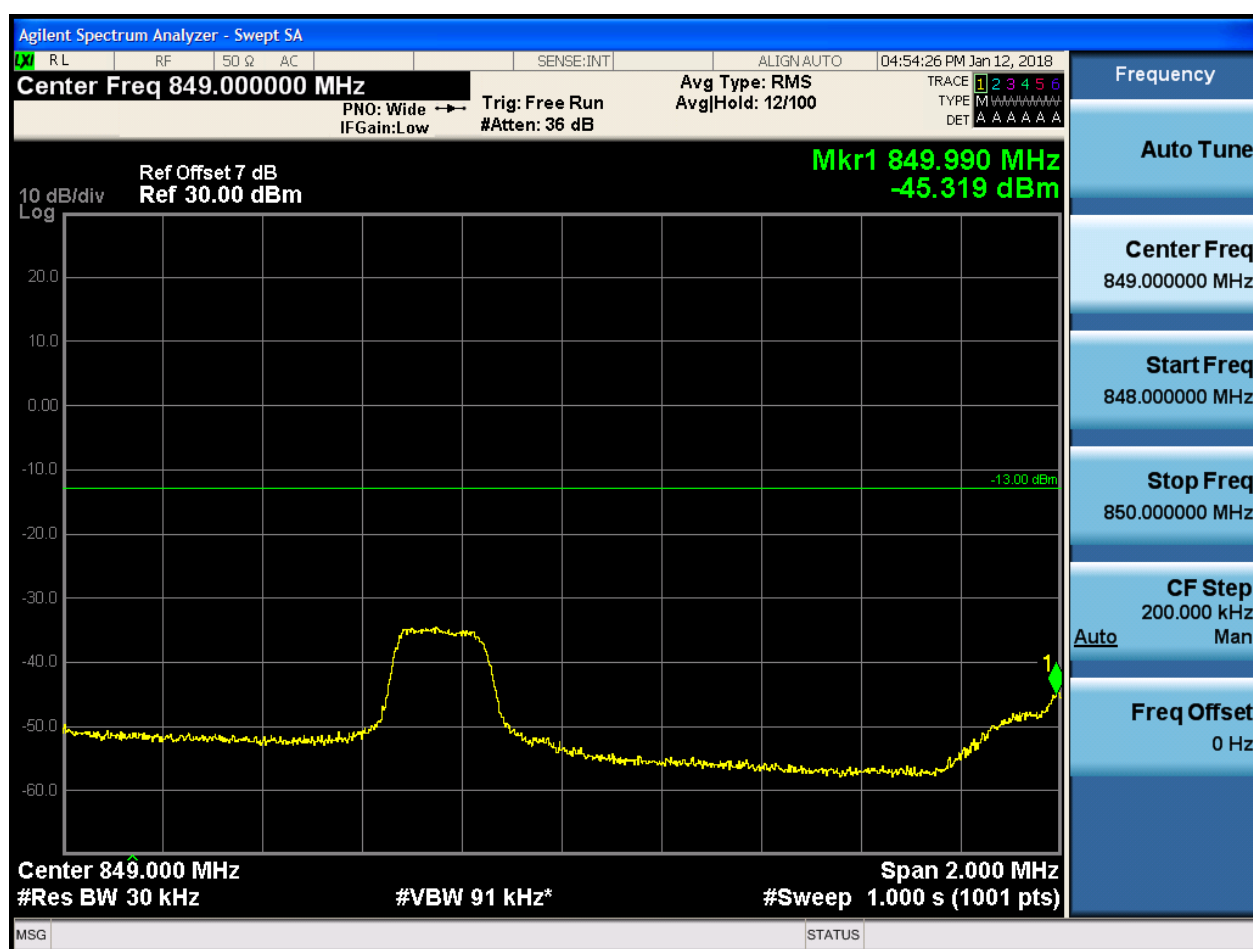


5.1.1.1.2.1.4 Test RB = RB15#0



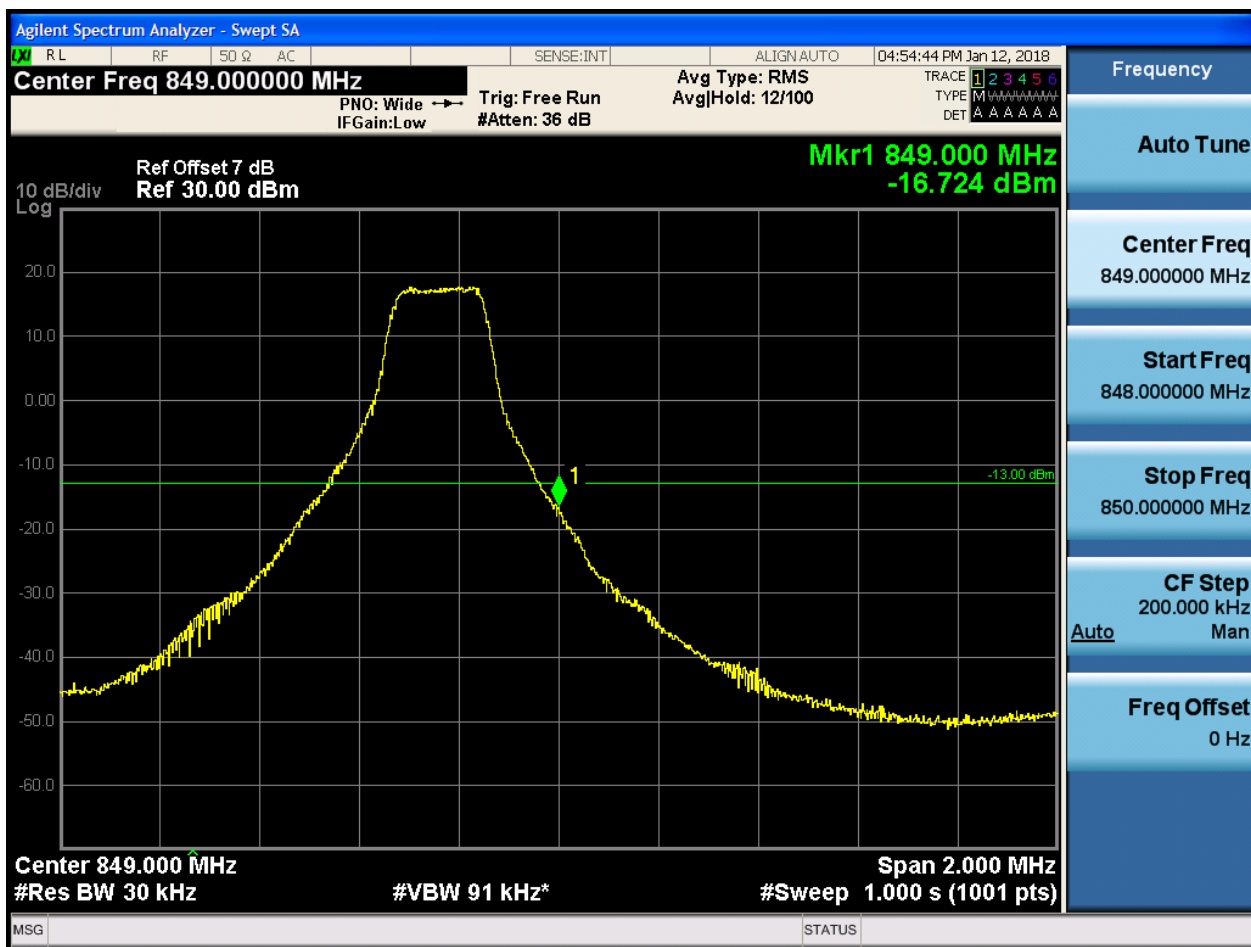
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg|Hold: 12/100

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

Mkr1 849.010 MHz
-30.301 dBm

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

MSG STATUS



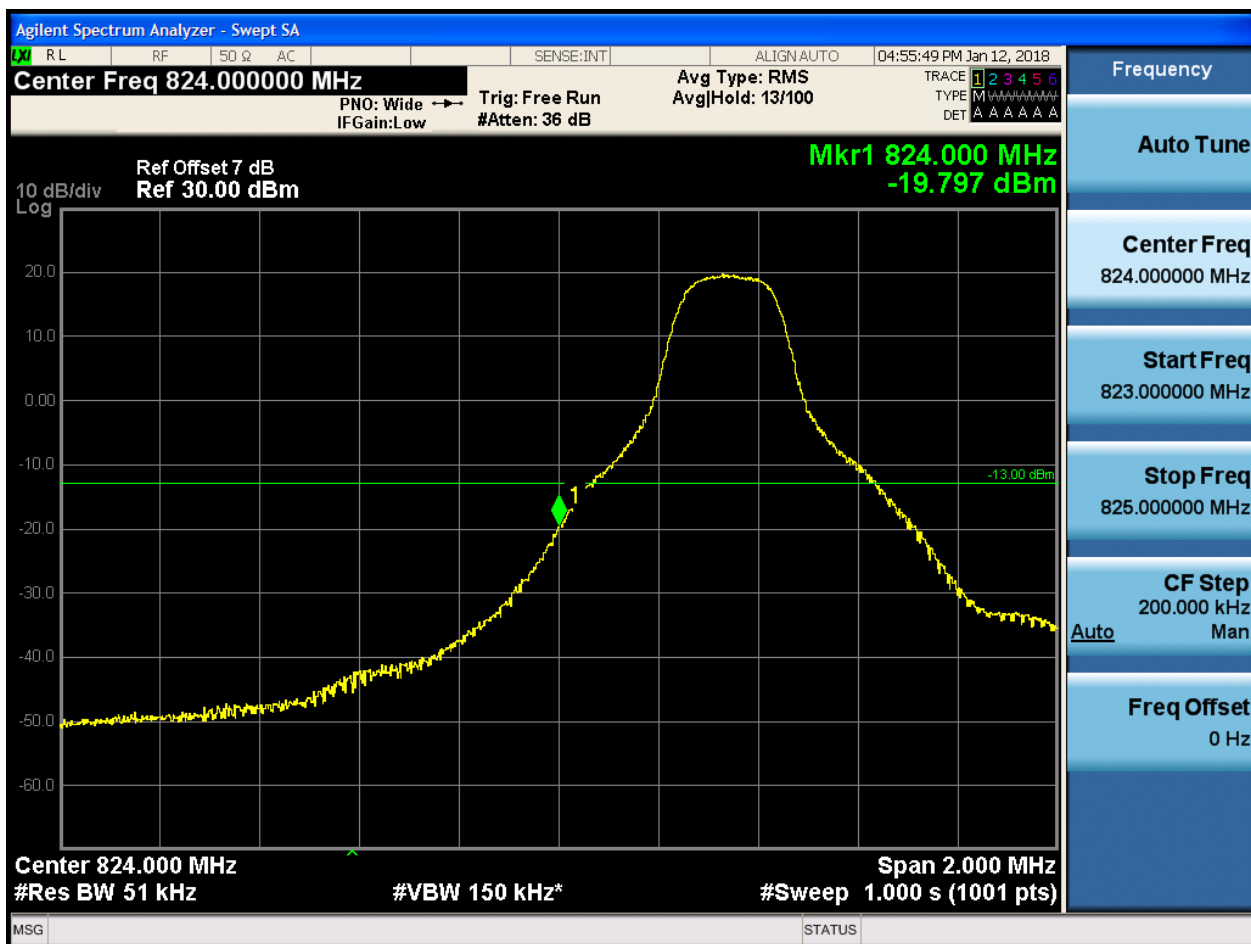
5.1.1.1.2.2.4 Test RB = RB15#0



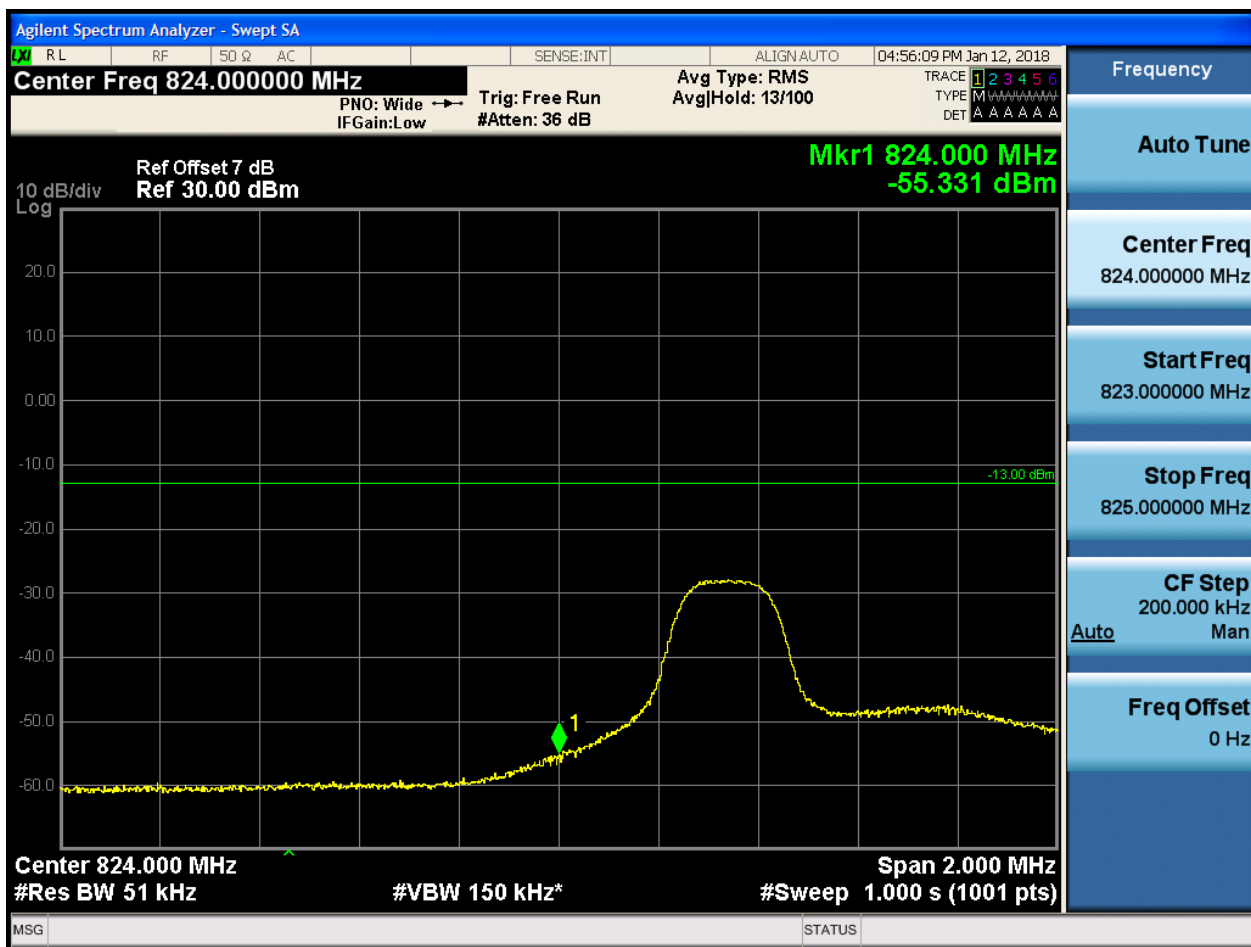
5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

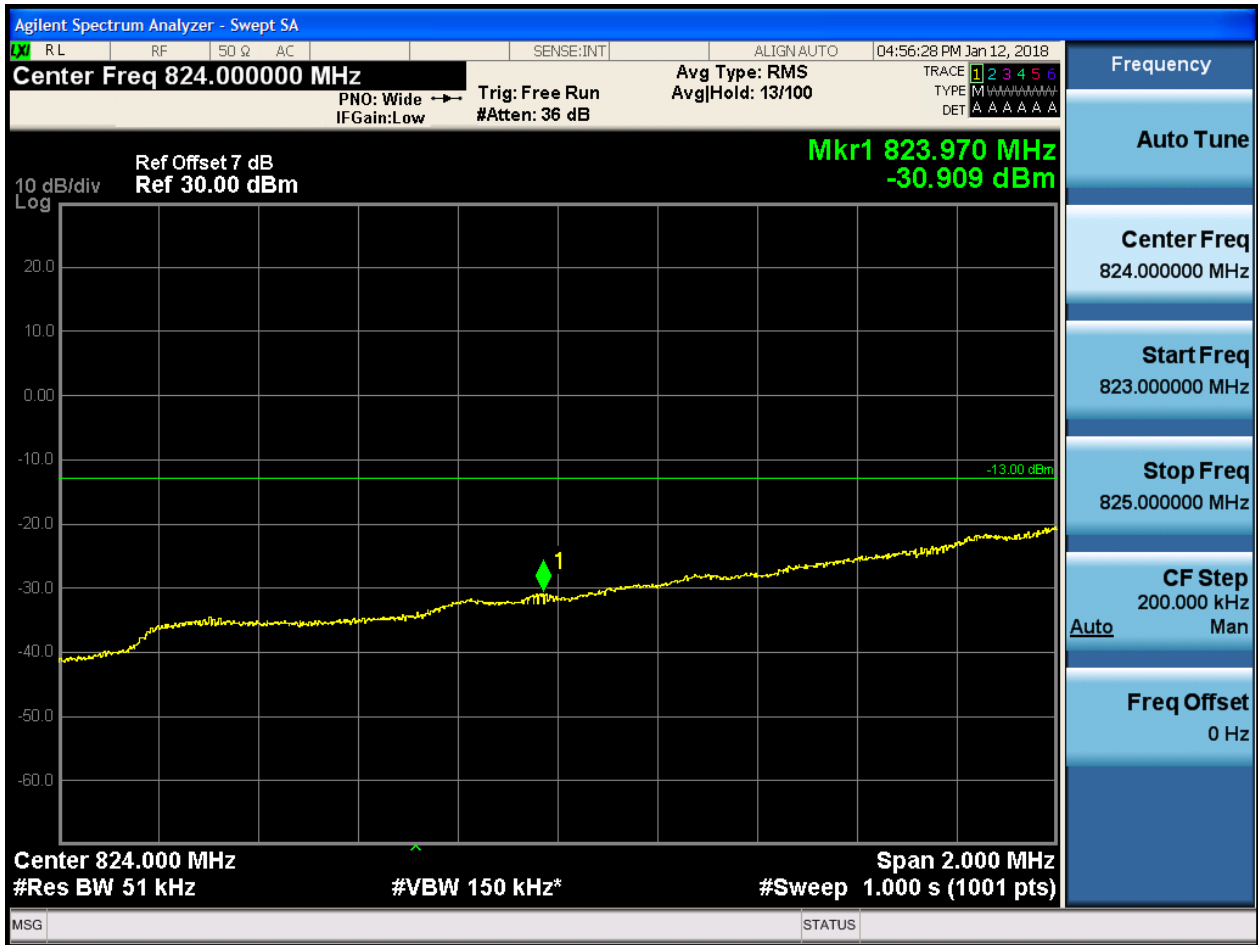
5.1.1.1.3.1.1 Test RB = RB1#0



5.1.1.1.3.1.2 Test RB = RB1#24



5.1.1.1.3.1.3 Test RB = RB12#6



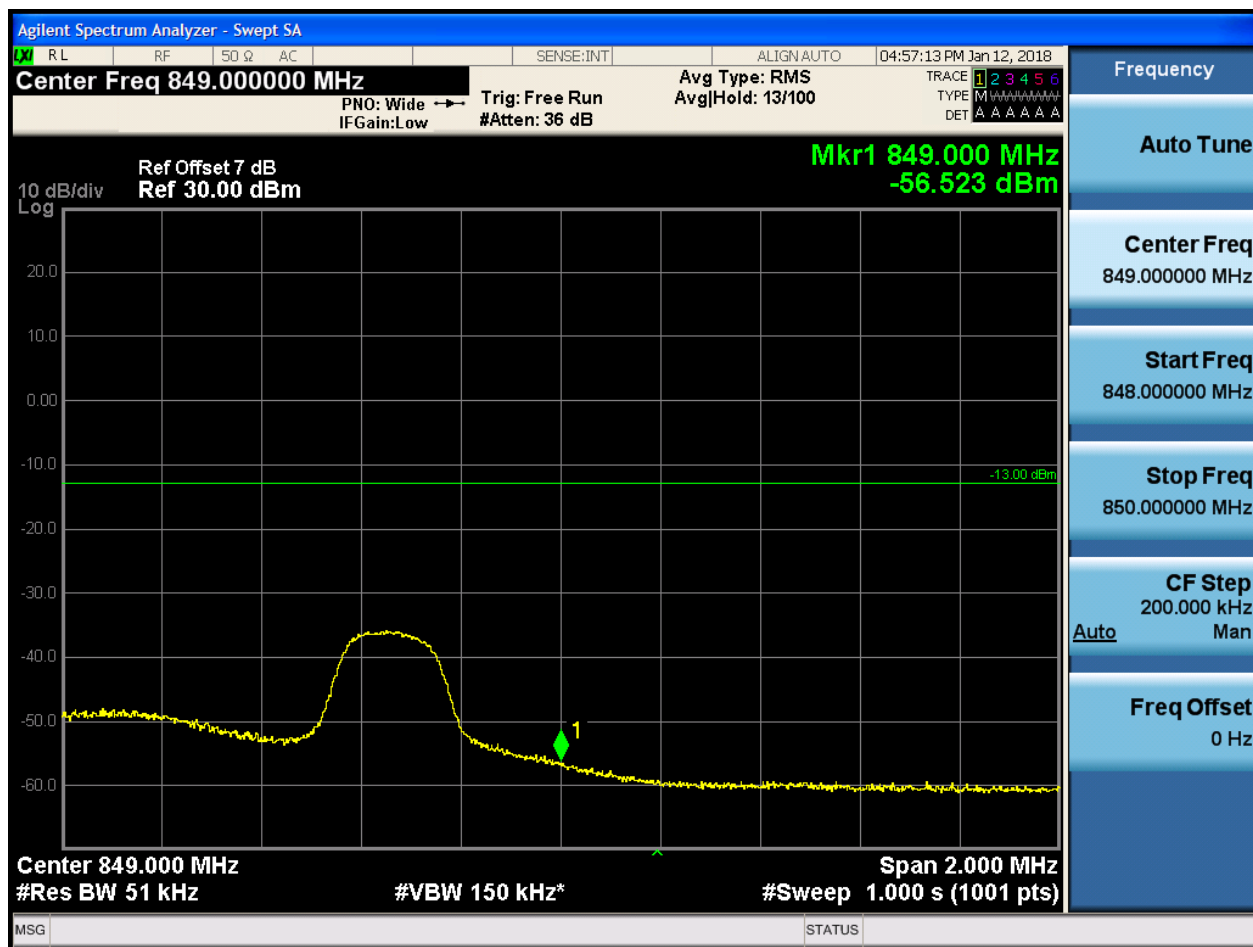


5.1.1.1.3.1.4 Test RB = RB25#0



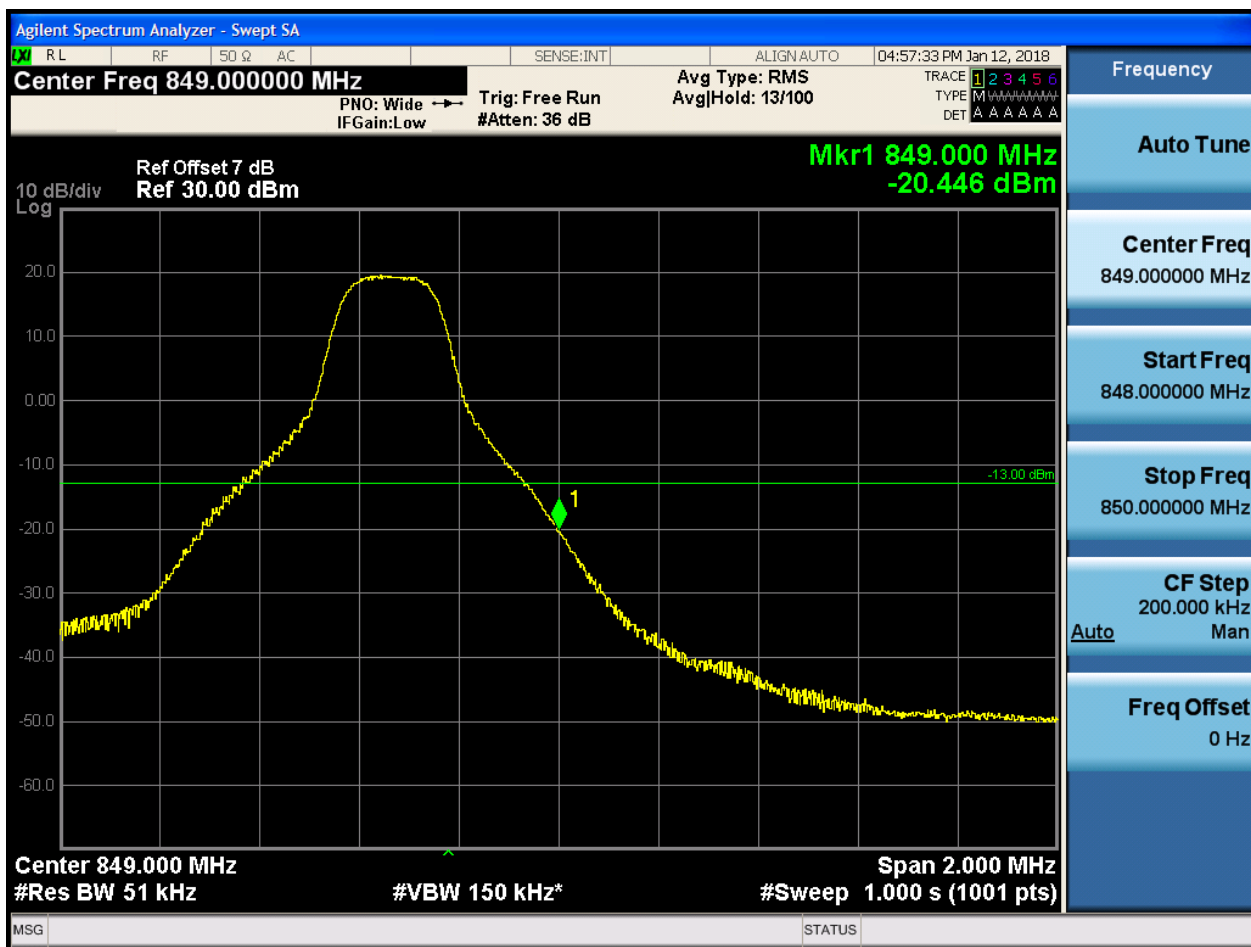
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-32.611 dBm

Center 849.000 MHz
#Res BW 51 kHz
#VBW 150 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



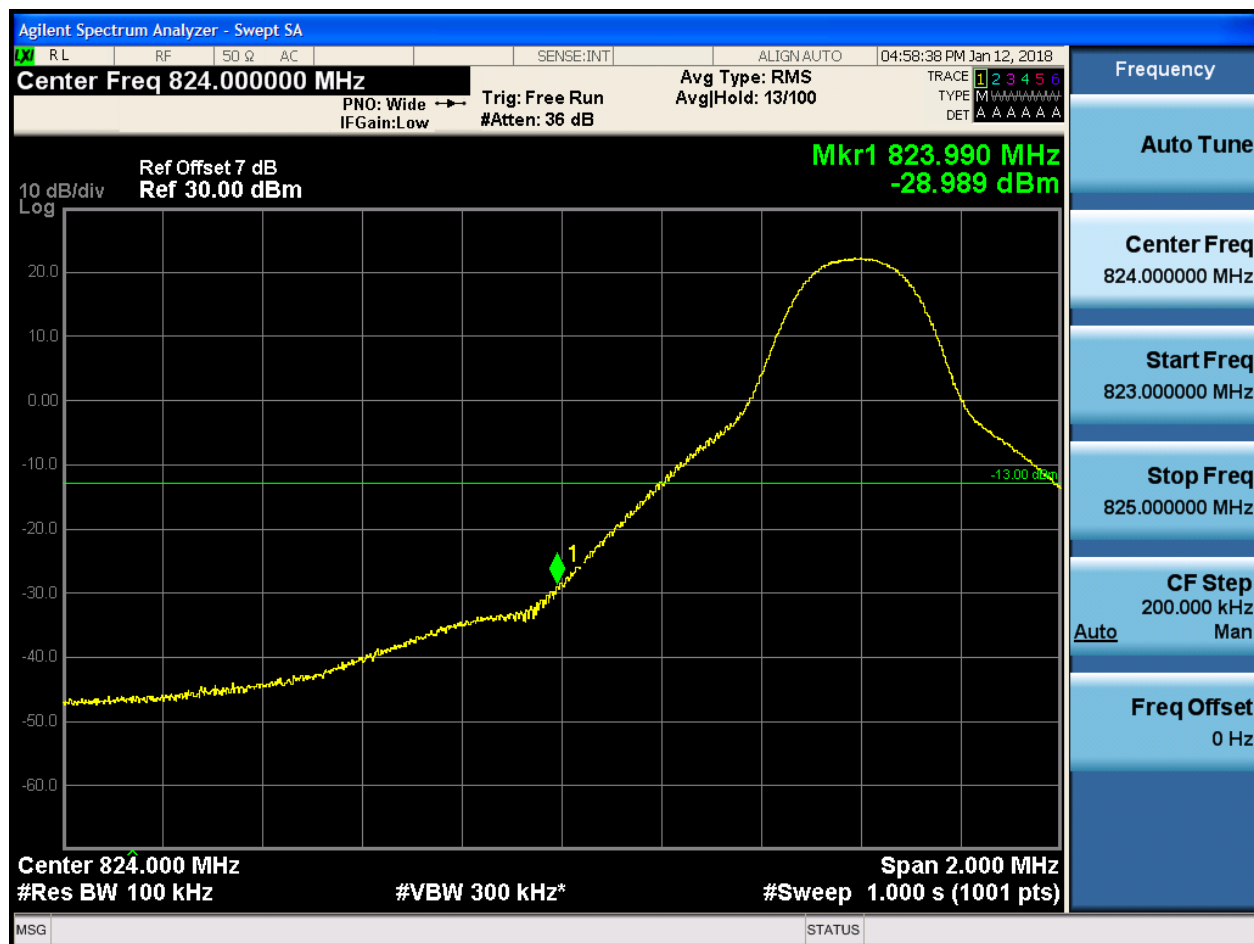
5.1.1.1.3.2.4 Test RB = RB25#0



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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:58:57 PM Jan 12, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 dB
Ref 30.00 dBm

Mkr1 823.990 MHz
-51.434 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 04:59:15 PM Jan 12, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 dB
Ref 30.00 dBm

Mkr1 823.960 MHz
-32.554 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 04:59:34 PM Jan 12, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-29.405 dBm

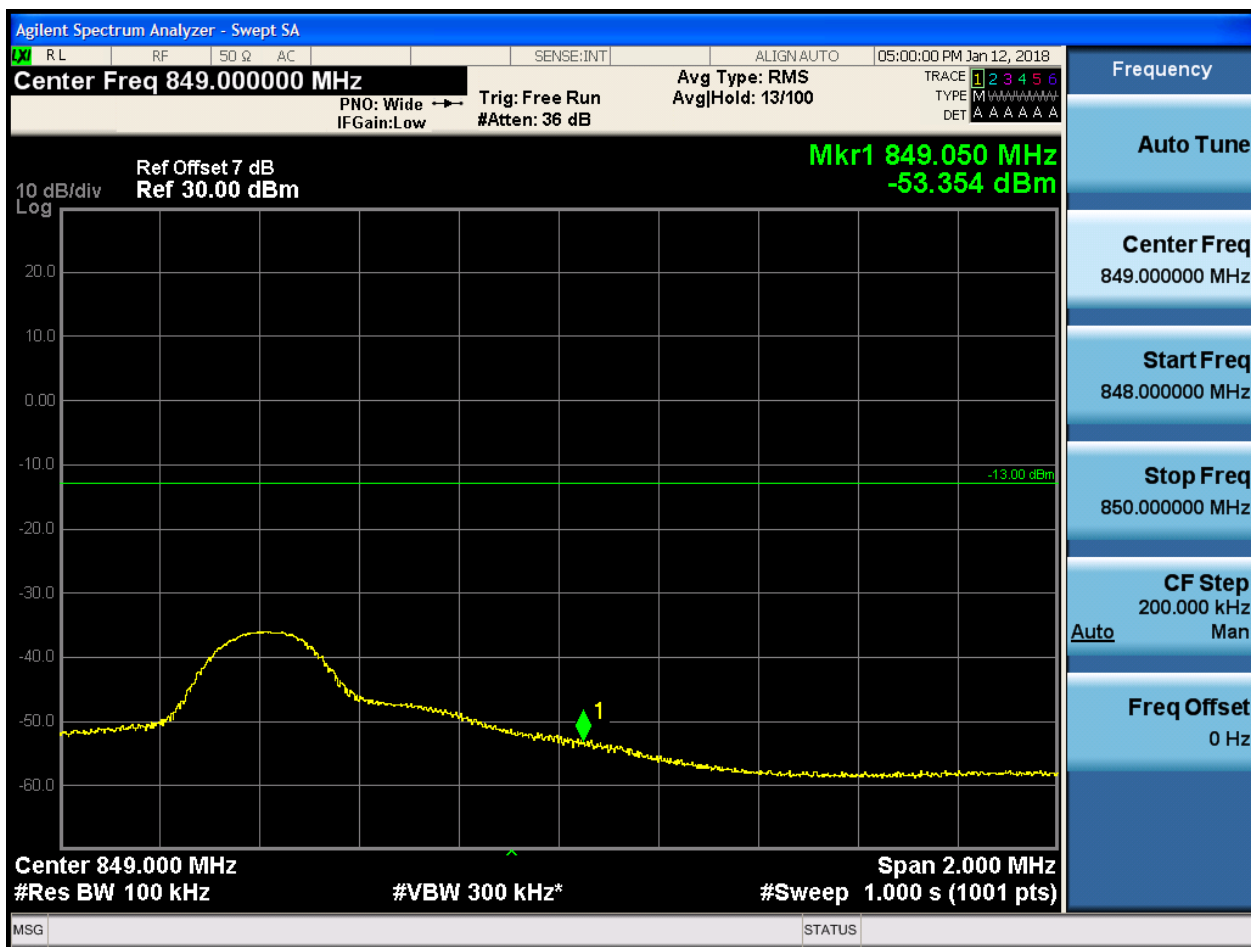
10 dB/div
Log

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

MSG STATUS



5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Ave|Hold: 13/100

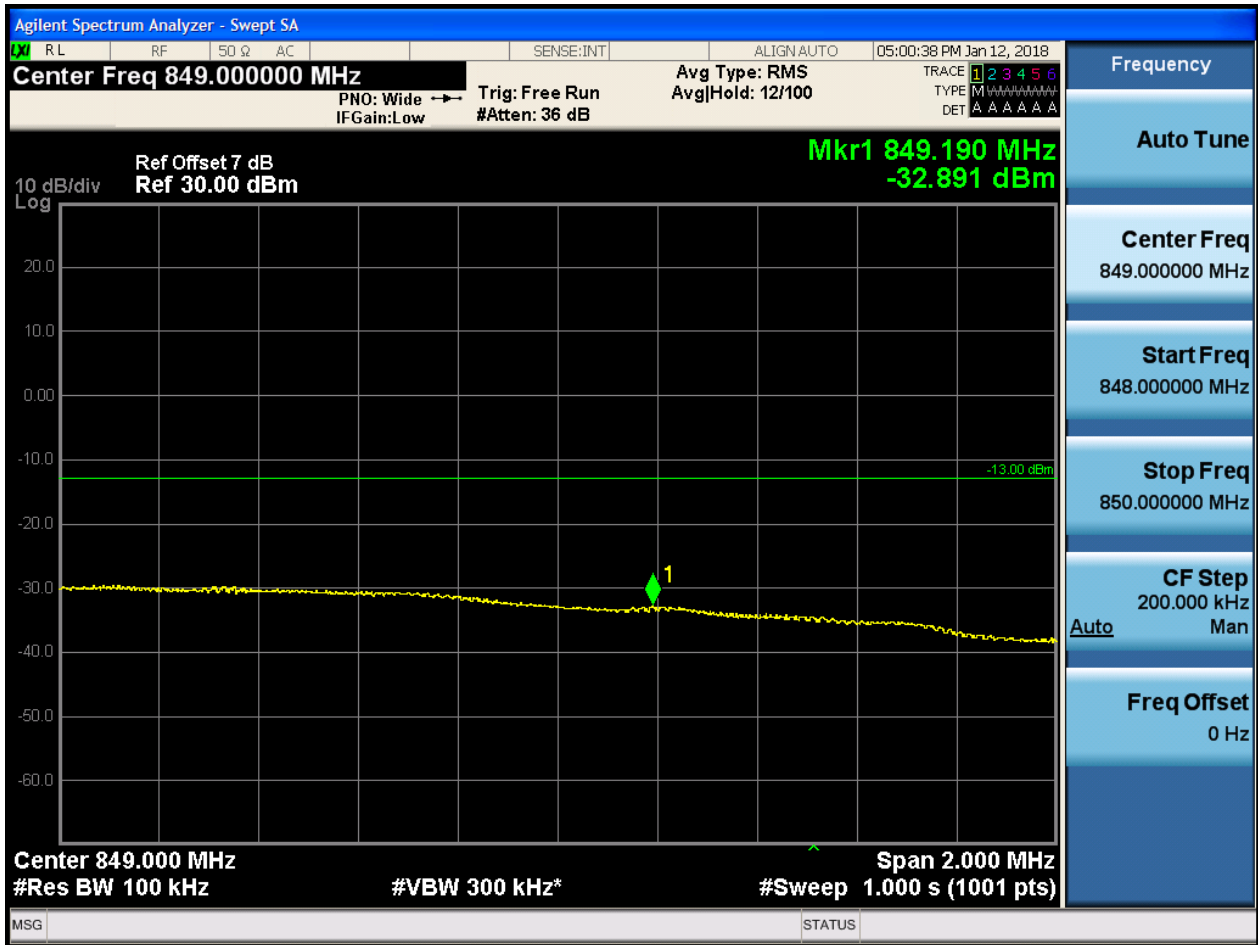
TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Mkr1 849.000 MHz
-29.558 dBm

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

MSG STATUS

5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0



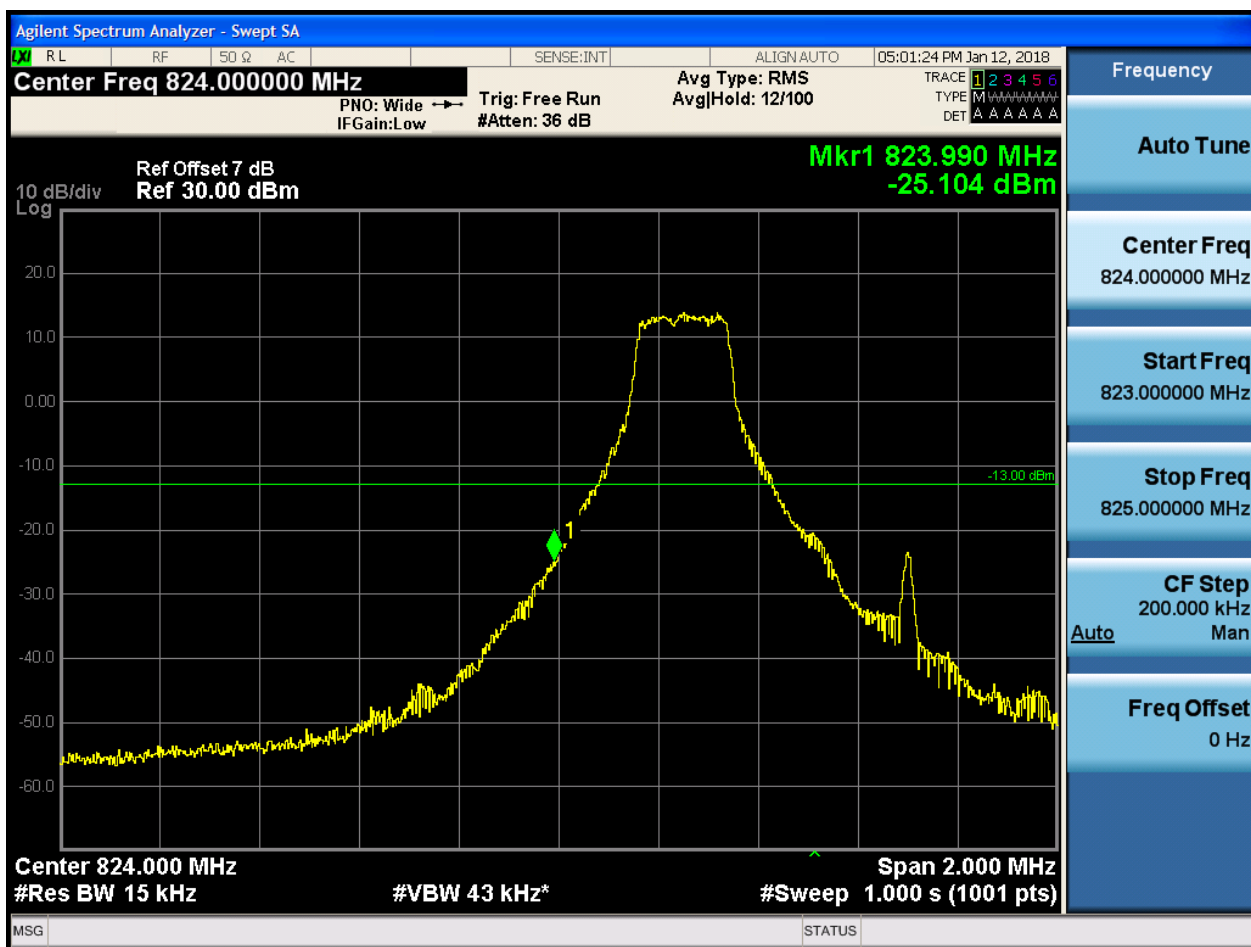


5.1.1.2 Test Mode = LTE/TM2

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



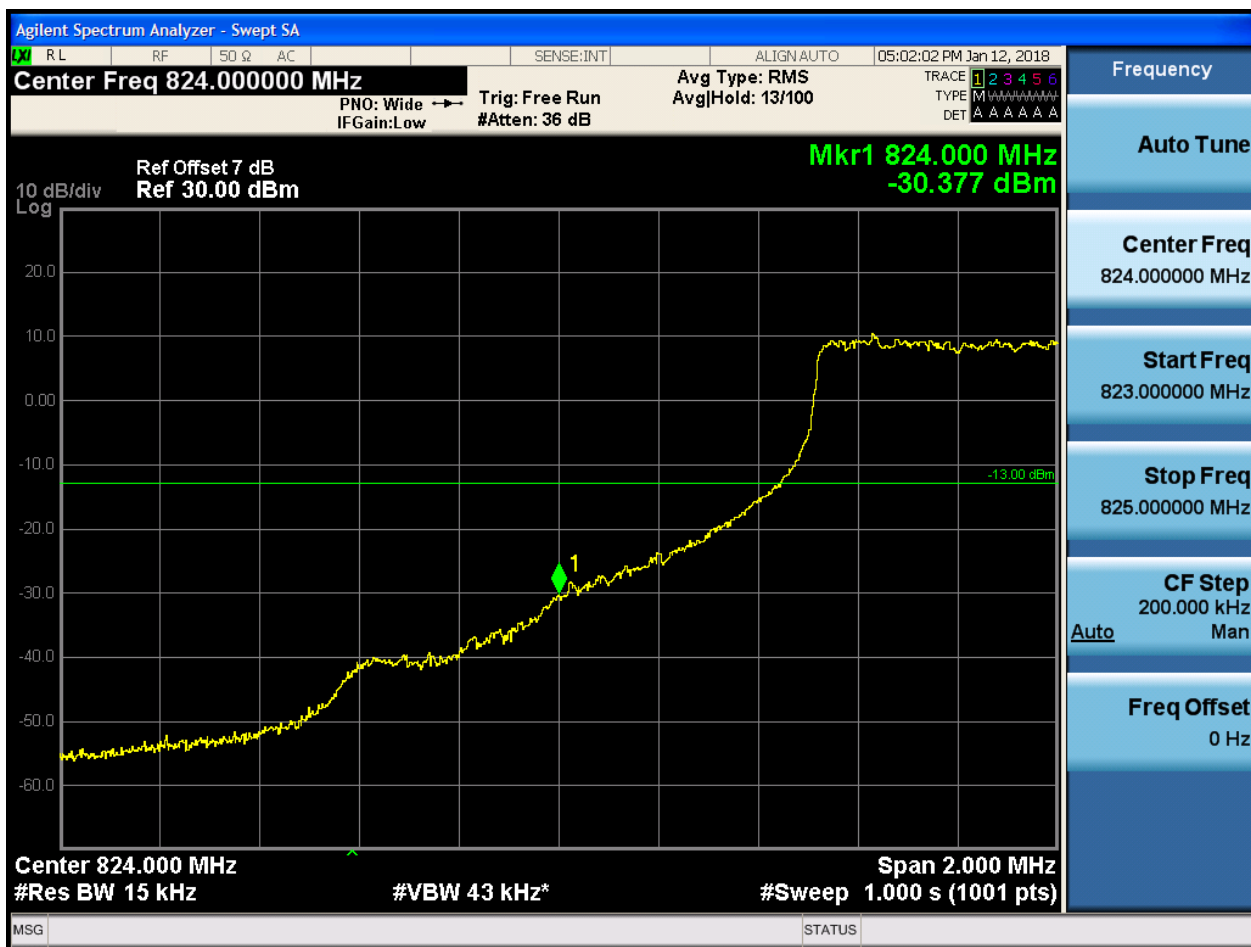


5.1.1.2.1.1.2 Test RB = RB1#5



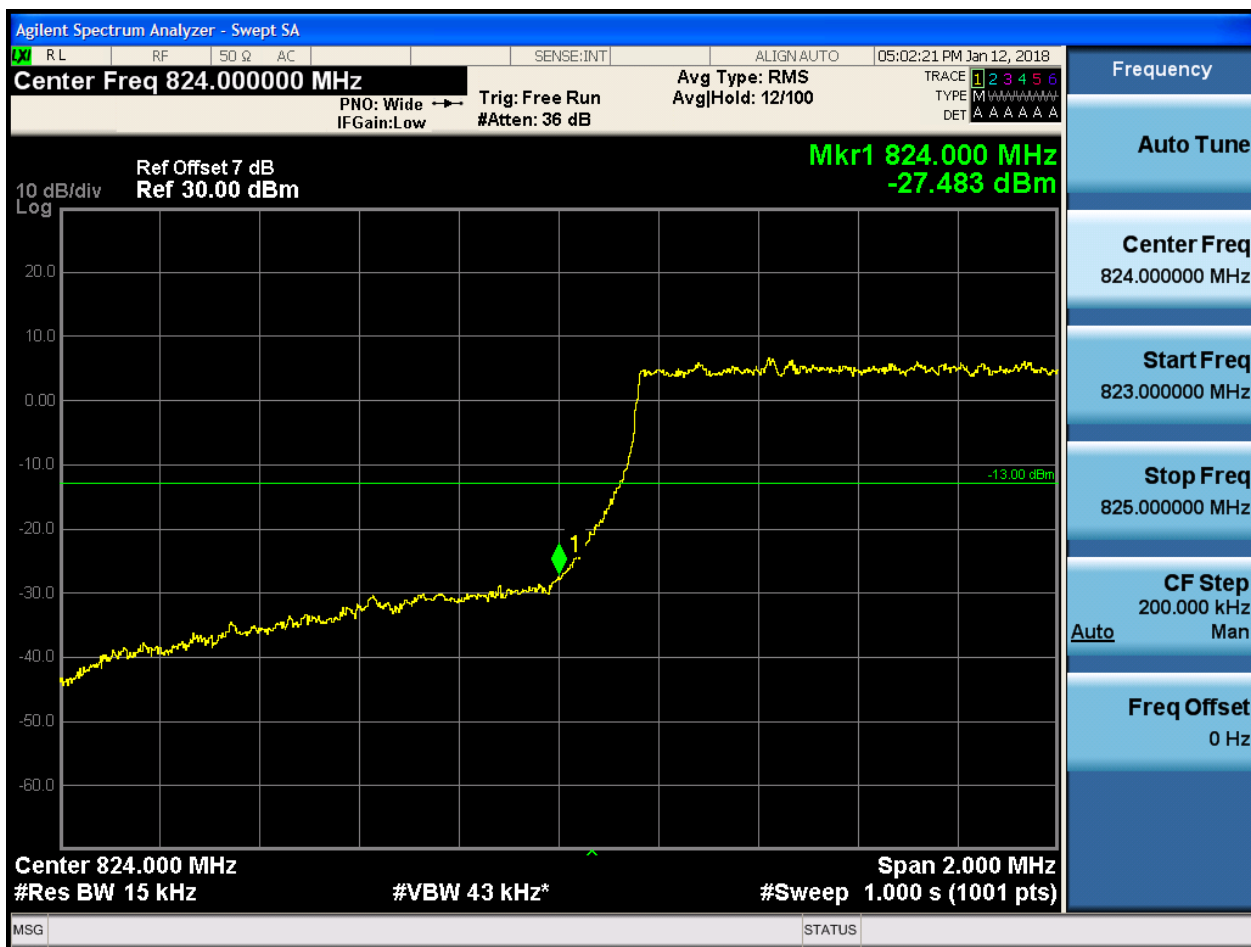


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0



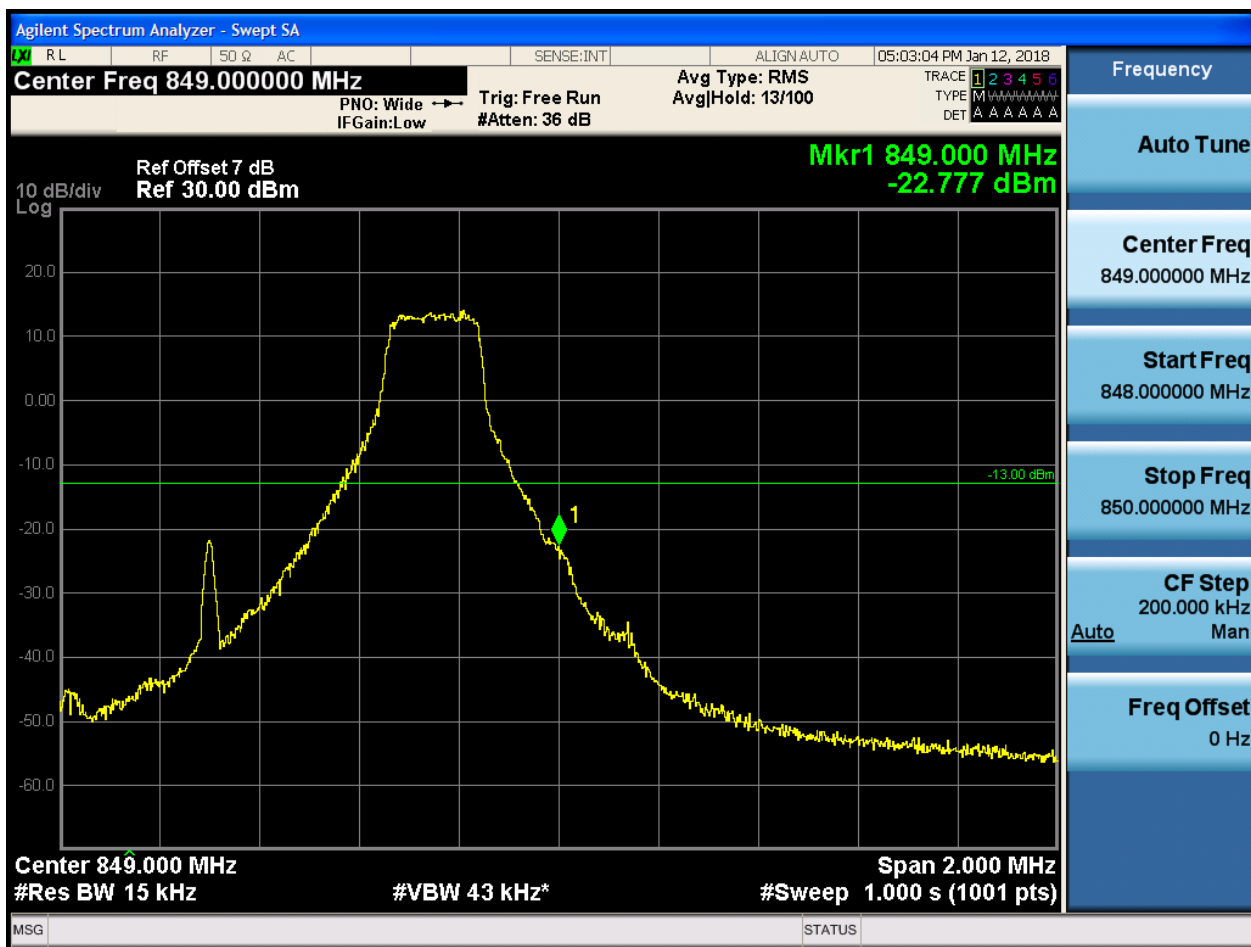
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.010 MHz
-26.667 dBm

Center 849.000 MHz
#Res BW 15 kHz
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

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 05:03:44 PM Jan 12, 2018

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 13/100
#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 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-29.323 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

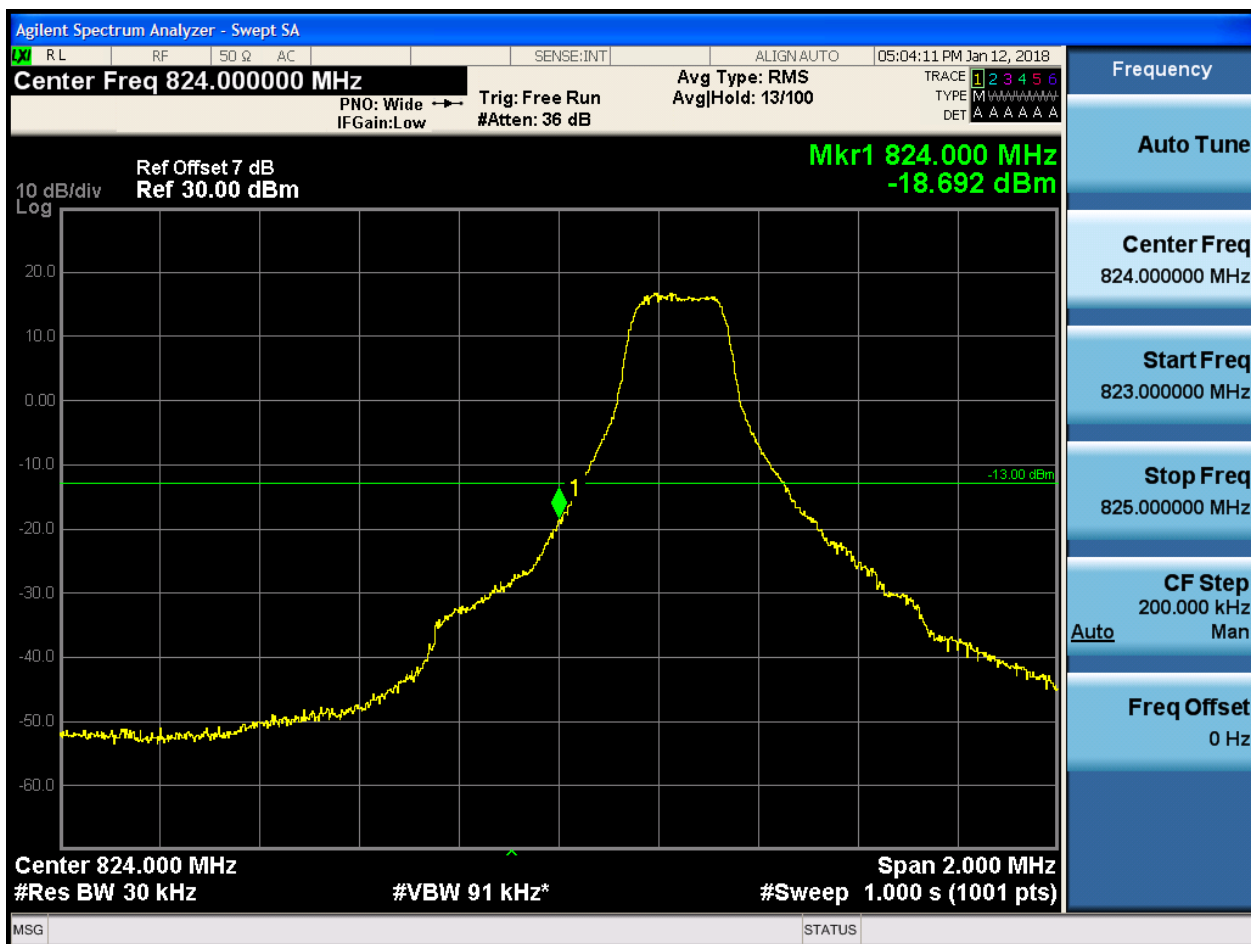
Freq Offset
0 Hz



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 05:04:30 PM Jan 12, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 13/100
#Atten: 36 dB

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

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 823.010 MHz
-45.621 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 05:04:50 PM Jan 12, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 13/100
#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 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-30.960 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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:05:09 PM Jan 12, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run AvgHold: 12/100
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

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 823.990 MHz
-26.362 dBm

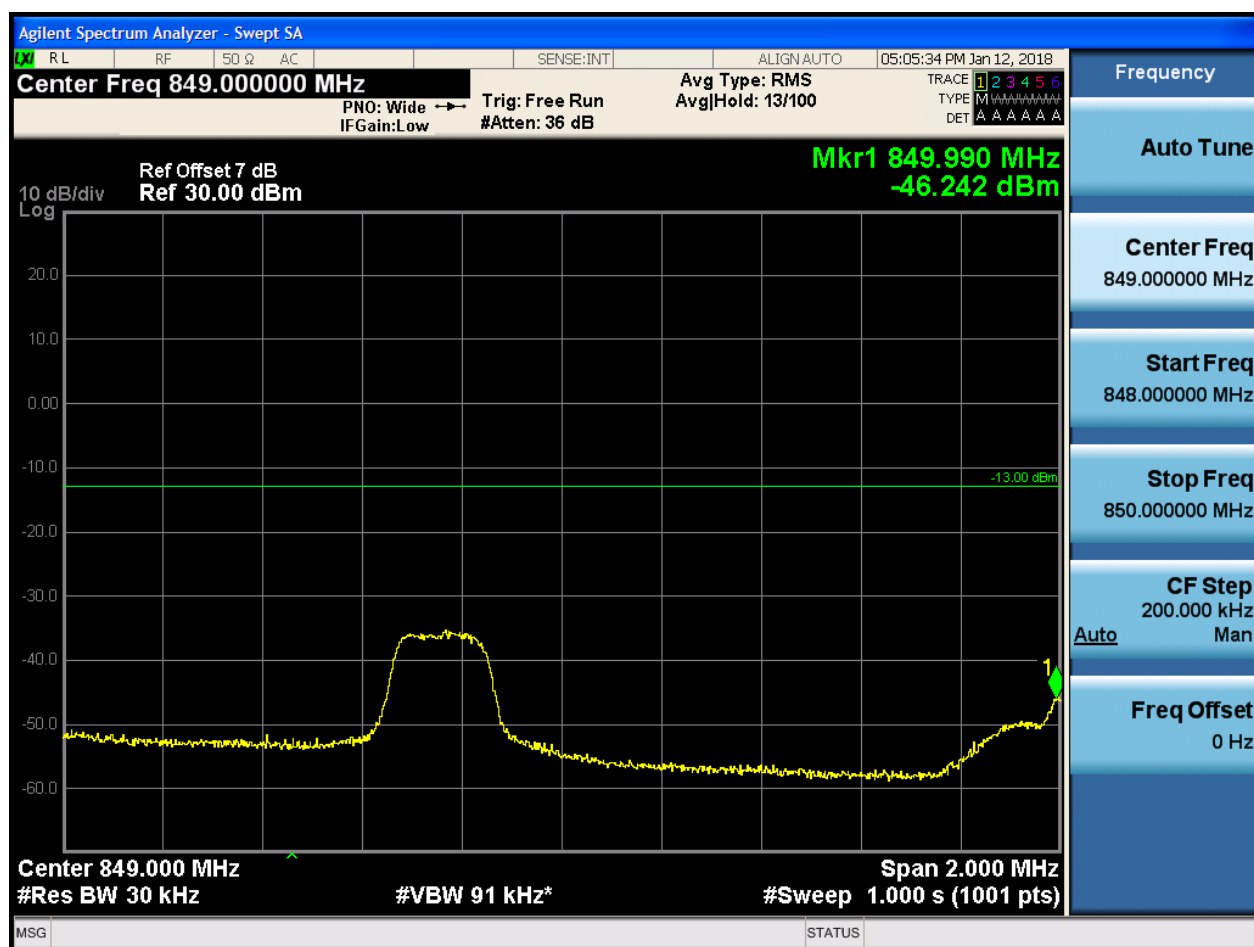
10 dB/div
Log

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

MSG STATUS

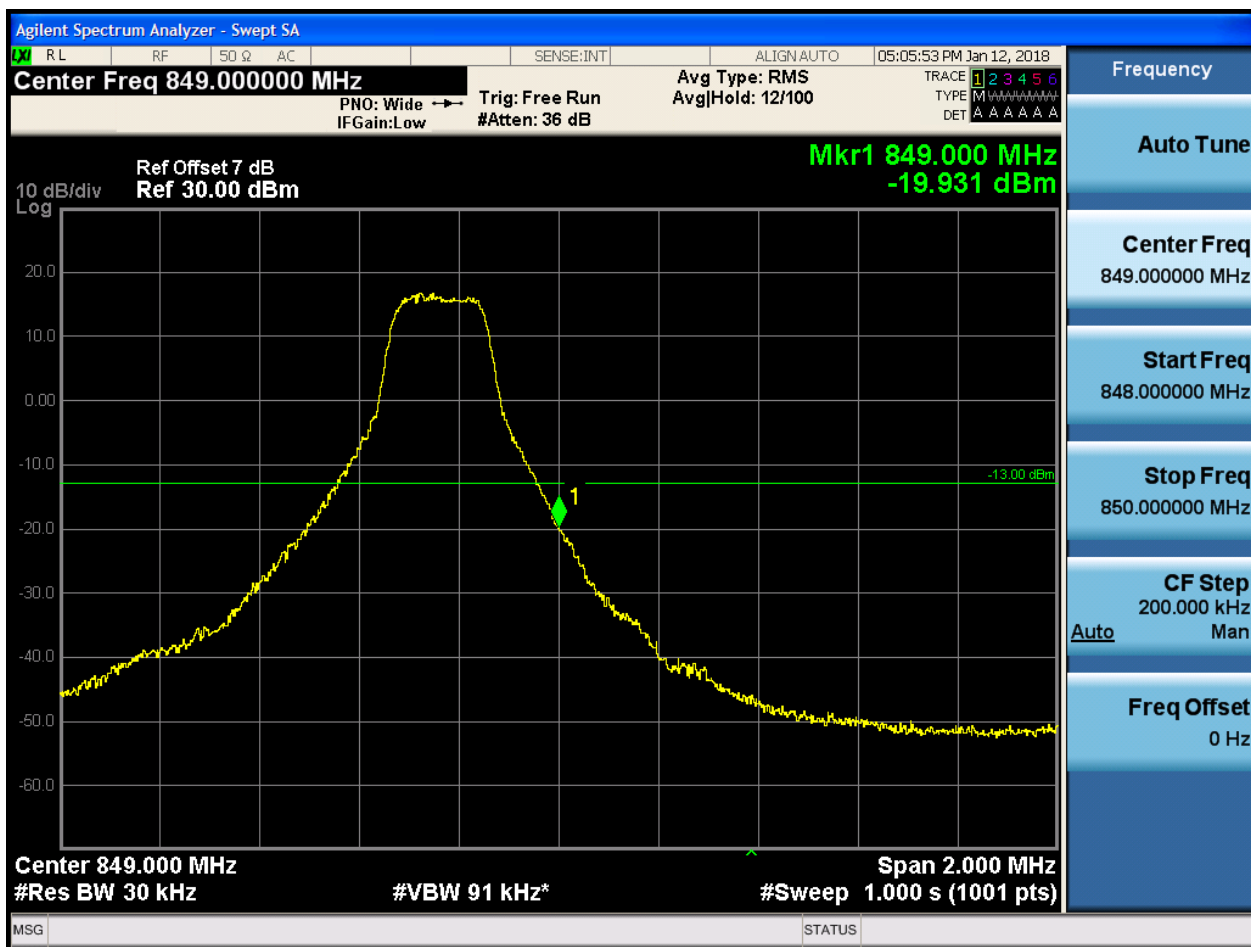
5.1.1.2.2.2 Test Channel = HCH

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:06:32 PM Jan 12, 2018

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 13/100
#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 dB
Ref 30.00 dBm

Mkr1 849.010 MHz
-28.371 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)

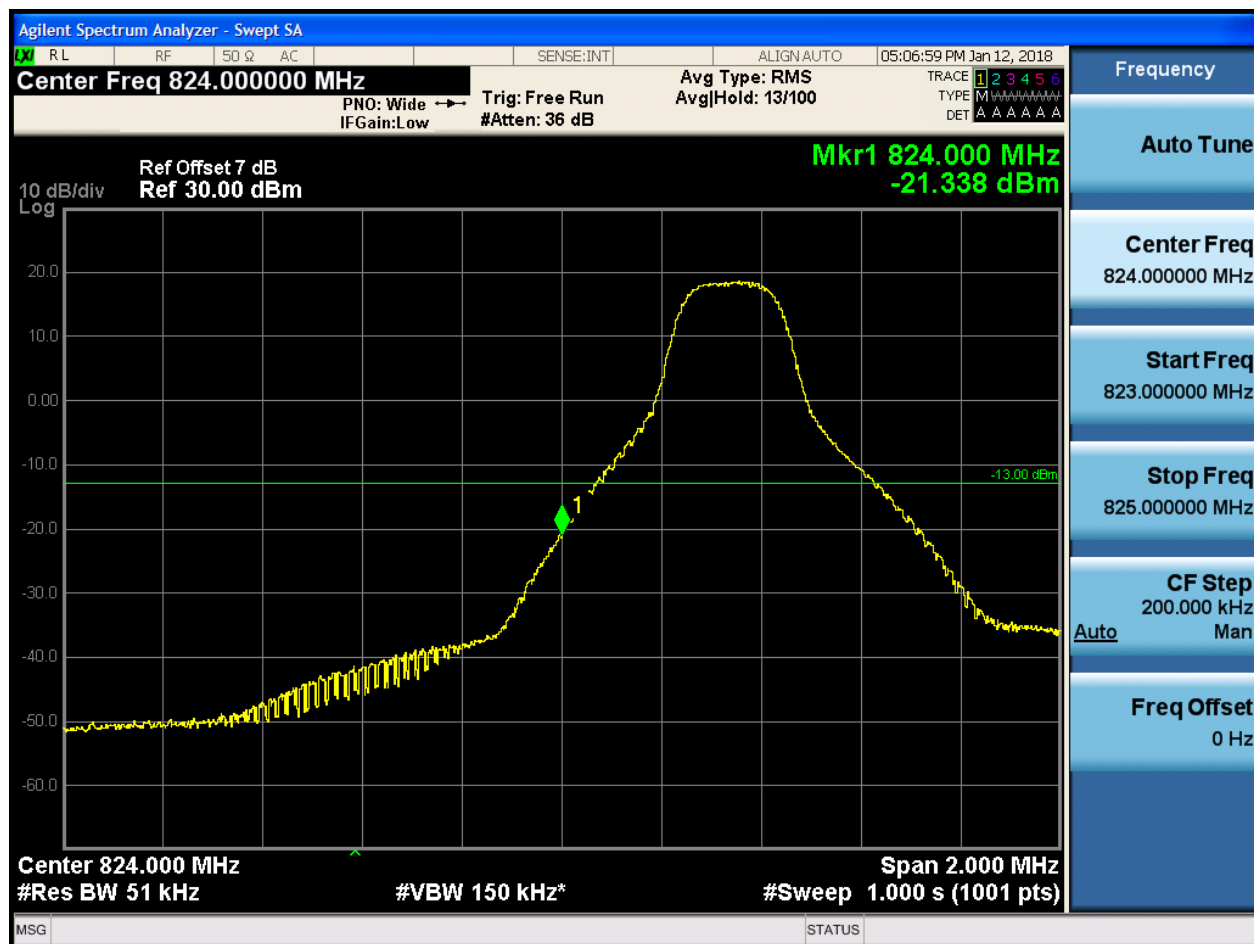
MSG STATUS

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 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

