



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	22.36	18.89	38.5	PASS
				RB1#3	22.5	19.19	38.5	PASS
				RB1#5	22.45	18.97	38.5	PASS
				RB3#0	22.41	19.04	38.5	PASS
				RB3#2	22.47	19.10	38.5	PASS
				RB3#3	22.44	19.07	38.5	PASS
				RB6#0	21.51	18.13	38.5	PASS
			MCH	RB1#0	22.61	19.23	38.5	PASS
				RB1#3	22.66	19.12	38.5	PASS
				RB1#5	22.5	19.03	38.5	PASS
				RB3#0	22.6	19.21	38.5	PASS
				RB3#2	22.6	19.13	38.5	PASS
				RB3#3	22.53	19.18	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.72	18.46	38.5	PASS
			HCH	RB1#0	22.57	19.14	38.5	PASS
				RB1#3	22.58	19.06	38.5	PASS
				RB1#5	22.35	19.09	38.5	PASS
				RB3#0	22.59	19.22	38.5	PASS
				RB3#2	22.53	19.23	38.5	PASS
				RB3#3	22.48	19.21	38.5	PASS
				RB6#0	21.51	18.00	38.5	PASS
		3	LCH	RB1#0	22.13	18.64	38.5	PASS
				RB1#7	22.59	19.12	38.5	PASS
				RB1#14	22.26	18.83	38.5	PASS
				RB8#0	21.46	18.08	38.5	PASS
				RB8#4	21.58	18.29	38.5	PASS
				RB8#7	21.49	18.23	38.5	PASS
				RB15#0	21.48	17.96	38.5	PASS
			MCH	RB1#0	22.43	19.02	38.5	PASS
				RB1#7	22.74	19.22	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.33	18.95	38.5	PASS
				RB8#0	21.64	18.28	38.5	PASS
				RB8#4	21.7	18.27	38.5	PASS
				RB8#7	21.61	18.27	38.5	PASS
				RB15#0	21.64	18.13	38.5	PASS
			HCH	RB1#0	22.46	18.92	38.5	PASS
				RB1#7	22.73	19.36	38.5	PASS
				RB1#14	22.17	18.86	38.5	PASS
				RB8#0	21.58	18.04	38.5	PASS
				RB8#4	21.6	18.30	38.5	PASS
				RB8#7	21.47	18.13	38.5	PASS
				RB15#0	21.53	18.01	38.5	PASS
		5	LCH	RB1#0	22.64	19.33	38.5	PASS
				RB1#13	23.14	19.69	38.5	PASS
				RB1#24	23.11	19.69	38.5	PASS
				RB12#0	22.11	18.65	38.5	PASS
				RB12#6	22.28	18.83	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	22.14	18.74	38.5	PASS
				RB25#0	22.11	18.72	38.5	PASS
			MCH	RB1#0	22.83	19.32	38.5	PASS
				RB1#13	23.11	19.75	38.5	PASS
				RB1#24	22.92	19.39	38.5	PASS
				RB12#0	22.23	18.73	38.5	PASS
				RB12#6	22.31	18.86	38.5	PASS
				RB12#13	22.11	18.61	38.5	PASS
				RB25#0	22.22	18.87	38.5	PASS
			HCH	RB1#0	23.13	19.86	38.5	PASS
				RB1#13	23.41	19.99	38.5	PASS
				RB1#24	23.23	19.92	38.5	PASS
				RB12#0	22.34	18.95	38.5	PASS
				RB12#6	22.4	19.07	38.5	PASS
				RB12#13	22.22	18.76	38.5	PASS
				RB25#0	22.28	18.85	38.5	PASS
		10	LCH	RB1#0	22.53	19.04	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	23.18	19.74	38.5	PASS
				RB1#49	22.73	19.21	38.5	PASS
				RB25#0	22.03	18.74	38.5	PASS
				RB25#13	22.22	18.94	38.5	PASS
				RB25#25	22.02	18.52	38.5	PASS
				RB50#0	22.02	18.73	38.5	PASS
			MCH	RB1#0	22.92	19.51	38.5	PASS
				RB1#25	23.29	19.88	38.5	PASS
				RB1#49	22.97	19.61	38.5	PASS
				RB25#0	22.22	18.95	38.5	PASS
				RB25#13	22.32	18.82	38.5	PASS
				RB25#25	22.01	18.67	38.5	PASS
				RB50#0	22.18	18.66	38.5	PASS
			HCH	RB1#0	22.84	19.57	38.5	PASS
				RB1#25	23.32	19.88	38.5	PASS
				RB1#49	22.94	19.61	38.5	PASS
				RB25#0	22.14	18.66	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.21	18.89	38.5	PASS
				RB25#25	22.01	18.71	38.5	PASS
				RB50#0	22.08	18.72	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.56	18.28	38.5	PASS
				RB1#3	21.74	18.44	38.5	PASS
				RB1#5	21.67	18.19	38.5	PASS
				RB3#0	21.58	18.20	38.5	PASS
				RB3#2	21.65	18.37	38.5	PASS
				RB3#3	21.62	18.22	38.5	PASS
				RB6#0	20.57	17.22	38.5	PASS
			MCH	RB1#0	21.83	18.46	38.5	PASS
				RB1#3	21.88	18.46	38.5	PASS
				RB1#5	21.74	18.40	38.5	PASS
				RB3#0	21.78	18.30	38.5	PASS
				RB3#2	21.78	18.47	38.5	PASS
				RB3#3	21.72	18.31	38.5	PASS
				RB6#0	20.74	17.46	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.78	18.48	38.5	PASS
				RB1#3	21.78	18.29	38.5	PASS
				RB1#5	21.59	18.33	38.5	PASS
				RB3#0	21.57	18.29	38.5	PASS
				RB3#2	21.51	18.06	38.5	PASS
				RB3#3	21.48	18.08	38.5	PASS
				RB6#0	20.6	17.16	38.5	PASS
		3	LCH	RB1#0	21.32	18.04	38.5	PASS
				RB1#7	21.8	18.29	38.5	PASS
				RB1#14	21.39	18.04	38.5	PASS
				RB8#0	20.51	17.06	38.5	PASS
				RB8#4	20.65	17.35	38.5	PASS
				RB8#7	20.57	17.07	38.5	PASS
				RB15#0	20.43	16.88	38.5	PASS
			MCH	RB1#0	21.66	18.17	38.5	PASS
				RB1#7	21.98	18.63	38.5	PASS
				RB1#14	21.56	18.08	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.6	17.19	38.5	PASS
				RB8#4	20.65	17.10	38.5	PASS
				RB8#7	20.56	17.15	38.5	PASS
				RB15#0	20.6	17.11	38.5	PASS
			HCH	RB1#0	21.7	18.40	38.5	PASS
				RB1#7	21.95	18.66	38.5	PASS
				RB1#14	21.4	18.02	38.5	PASS
				RB8#0	20.58	17.04	38.5	PASS
				RB8#4	20.73	17.34	38.5	PASS
				RB8#7	20.59	17.28	38.5	PASS
				RB15#0	20.63	17.28	38.5	PASS
		5	LCH	RB1#0	21.78	18.36	38.5	PASS
				RB1#13	22.26	18.93	38.5	PASS
				RB1#24	22.14	18.66	38.5	PASS
				RB12#0	20.98	17.59	38.5	PASS
				RB12#6	21.2	17.88	38.5	PASS
				RB12#13	21.04	17.71	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.02	17.48	38.5	PASS
			MCH	RB1#0	22.3	18.93	38.5	PASS
				RB1#13	22.6	19.20	38.5	PASS
				RB1#24	22.28	18.74	38.5	PASS
				RB12#0	21.13	17.70	38.5	PASS
				RB12#6	21.23	17.94	38.5	PASS
				RB12#13	21.02	17.56	38.5	PASS
				RB25#0	21.15	17.87	38.5	PASS
			HCH	RB1#0	22.28	18.84	38.5	PASS
				RB1#13	22.55	19.25	38.5	PASS
				RB1#24	22.34	18.92	38.5	PASS
				RB12#0	21.28	17.98	38.5	PASS
				RB12#6	21.31	17.94	38.5	PASS
				RB12#13	21.16	17.81	38.5	PASS
				RB25#0	21.15	17.61	38.5	PASS
		10	LCH	RB1#0	21.46	17.94	38.5	PASS
				RB1#25	22.3	18.84	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.8	18.51	38.5	PASS
				RB25#0	20.94	17.64	38.5	PASS
				RB25#13	21.15	17.63	38.5	PASS
				RB25#25	20.95	17.67	38.5	PASS
				RB50#0	20.93	17.55	38.5	PASS
			MCH	RB1#0	21.92	18.39	38.5	PASS
				RB1#25	22.35	18.84	38.5	PASS
				RB1#49	21.93	18.55	38.5	PASS
				RB25#0	21.06	17.77	38.5	PASS
				RB25#13	21.15	17.85	38.5	PASS
				RB25#25	20.98	17.63	38.5	PASS
				RB50#0	21	17.68	38.5	PASS
			HCH	RB1#0	21.94	18.39	38.5	PASS
				RB1#25	22.53	19.01	38.5	PASS
				RB1#49	22.03	18.68	38.5	PASS
				RB25#0	21.2	17.86	38.5	PASS
				RB25#13	21.27	17.94	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.08	17.61	38.5	PASS
				RB50#0	21.15	17.61	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:

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

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

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

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

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	4.86	13	PASS
				RB1#3	4.72	13	PASS
				RB1#5	4.84	13	PASS
				RB3#0	5.05	13	PASS
				RB3#2	4.92	13	PASS
				RB3#3	4.99	13	PASS
				RB6#0	5.85	13	PASS
			MCH	RB1#0	4.05	13	PASS
				RB1#3	4.02	13	PASS
				RB1#5	4.08	13	PASS
				RB3#0	4.52	13	PASS
				RB3#2	4.43	13	PASS
				RB3#3	4.53	13	PASS
				RB6#0	5.46	13	PASS
			HCH	RB1#0	4.44	13	PASS
				RB1#3	4.36	13	PASS
				RB1#5	4.43	13	PASS
				RB3#0	4.62	13	PASS
				RB3#2	4.62	13	PASS
				RB3#3	4.62	13	PASS
				RB6#0	5.62	13	PASS
		3	LCH	RB1#0	4.7	13	PASS
				RB1#7	4.39	13	PASS
				RB1#14	4.65	13	PASS
				RB8#0	5.7	13	PASS
				RB8#4	5.68	13	PASS
				RB8#7	5.67	13	PASS
				RB15#0	5.84	13	PASS
			MCH	RB1#0	4.22	13	PASS
				RB1#7	3.9	13	PASS
				RB1#14	4.18	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	5.42	13	PASS
				RB8#4	5.35	13	PASS
				RB8#7	5.39	13	PASS
				RB15#0	5.43	13	PASS
			HCH	RB1#0	4.69	13	PASS
				RB1#7	4.34	13	PASS
				RB1#14	4.64	13	PASS
				RB8#0	5.65	13	PASS
				RB8#4	5.58	13	PASS
				RB8#7	5.65	13	PASS
				RB15#0	5.62	13	PASS
		5	LCH	RB1#0	4.77	13	PASS
				RB1#13	4.12	13	PASS
				RB1#24	4.28	13	PASS
				RB12#0	5.41	13	PASS
				RB12#6	5.22	13	PASS
				RB12#13	5.37	13	PASS
				RB25#0	5.74	13	PASS
			MCH	RB1#0	3.99	13	PASS
				RB1#13	3.63	13	PASS
				RB1#24	3.66	13	PASS
				RB12#0	5.07	13	PASS
				RB12#6	4.78	13	PASS
				RB12#13	5.04	13	PASS
				RB25#0	5.54	13	PASS
			HCH	RB1#0	4.26	13	PASS
				RB1#13	4.07	13	PASS
				RB1#24	4	13	PASS
				RB12#0	5.34	13	PASS
				RB12#6	5.19	13	PASS
				RB12#13	5.33	13	PASS
				RB25#0	5.64	13	PASS
		10	LCH	RB1#0	4.59	13	PASS
				RB1#25	4.15	13	PASS
				RB1#49	4.18	13	PASS
				RB25#0	5.51	13	PASS
				RB25#13	5.41	13	PASS
				RB25#25	5.51	13	PASS
				RB50#0	5.88	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.3	13	PASS
				RB1#25	3.63	13	PASS
				RB1#49	4.07	13	PASS
				RB25#0	5.27	13	PASS
				RB25#13	4.91	13	PASS
				RB25#25	5.33	13	PASS
				RB50#0	5.57	13	PASS
			HCH	RB1#0	4.03	13	PASS
				RB1#25	4.06	13	PASS
				RB1#49	4.29	13	PASS
				RB25#0	5.34	13	PASS
				RB25#13	5.37	13	PASS
				RB25#25	5.54	13	PASS
				RB50#0	5.66	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.52	13	PASS
				RB1#3	5.37	13	PASS
				RB1#5	5.43	13	PASS
				RB3#0	5.97	13	PASS
				RB3#2	5.84	13	PASS
				RB3#3	5.85	13	PASS
				RB6#0	6.52	13	PASS
			MCH	RB1#0	4.89	13	PASS
				RB1#3	4.88	13	PASS
				RB1#5	4.89	13	PASS
				RB3#0	5.35	13	PASS
				RB3#2	5.37	13	PASS
				RB3#3	5.34	13	PASS
				RB6#0	6.32	13	PASS
			HCH	RB1#0	4.96	13	PASS
				RB1#3	4.97	13	PASS
				RB1#5	4.96	13	PASS
				RB3#0	5.72	13	PASS
				RB3#2	5.85	13	PASS
				RB3#3	5.68	13	PASS
				RB6#0	6.59	13	PASS
		3	LCH	RB1#0	5.63	13	PASS
				RB1#7	5.36	13	PASS
				RB1#14	5.34	13	PASS
				RB8#0	6.68	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	6.54	13	PASS
				RB8#7	6.65	13	PASS
				RB15#0	6.71	13	PASS
			MCH	RB1#0	5.29	13	PASS
				RB1#7	4.96	13	PASS
				RB1#14	5.29	13	PASS
				RB8#0	6.18	13	PASS
				RB8#4	6.08	13	PASS
				RB8#7	6.18	13	PASS
				RB15#0	6.41	13	PASS
			HCH	RB1#0	5.56	13	PASS
				RB1#7	5.13	13	PASS
				RB1#14	5.46	13	PASS
				RB8#0	6.25	13	PASS
				RB8#4	6.25	13	PASS
				RB8#7	6.31	13	PASS
				RB15#0	6.61	13	PASS
		5	LCH	RB1#0	5.32	13	PASS
				RB1#13	5	13	PASS
				RB1#24	5.19	13	PASS
				RB12#0	6.16	13	PASS
				RB12#6	6.13	13	PASS
				RB12#13	6.15	13	PASS
				RB25#0	6.51	13	PASS
			MCH	RB1#0	4.77	13	PASS
				RB1#13	4.22	13	PASS
				RB1#24	4.33	13	PASS
				RB12#0	5.69	13	PASS
				RB12#6	5.57	13	PASS
				RB12#13	5.66	13	PASS
				RB25#0	6.12	13	PASS
			HCH	RB1#0	4.92	13	PASS
				RB1#13	4.75	13	PASS
				RB1#24	4.65	13	PASS
				RB12#0	6.22	13	PASS
				RB12#6	6.06	13	PASS
				RB12#13	6.17	13	PASS
				RB25#0	6.48	13	PASS
		10	LCH	RB1#0	5.3	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.92	13	PASS
				RB1#49	4.84	13	PASS
				RB25#0	6.41	13	PASS
				RB25#13	6.36	13	PASS
				RB25#25	6.35	13	PASS
				RB50#0	6.74	13	PASS
			MCH	RB1#0	5.12	13	PASS
				RB1#25	4.47	13	PASS
				RB1#49	5.22	13	PASS
				RB25#0	6.17	13	PASS
				RB25#13	5.86	13	PASS
				RB25#25	6.16	13	PASS
				RB50#0	6.37	13	PASS
			HCH	RB1#0	4.9	13	PASS
				RB1#25	4.67	13	PASS
				RB1#49	4.86	13	PASS
				RB25#0	6.15	13	PASS
				RB25#13	6.19	13	PASS
				RB25#25	6.33	13	PASS
				RB50#0	6.66	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

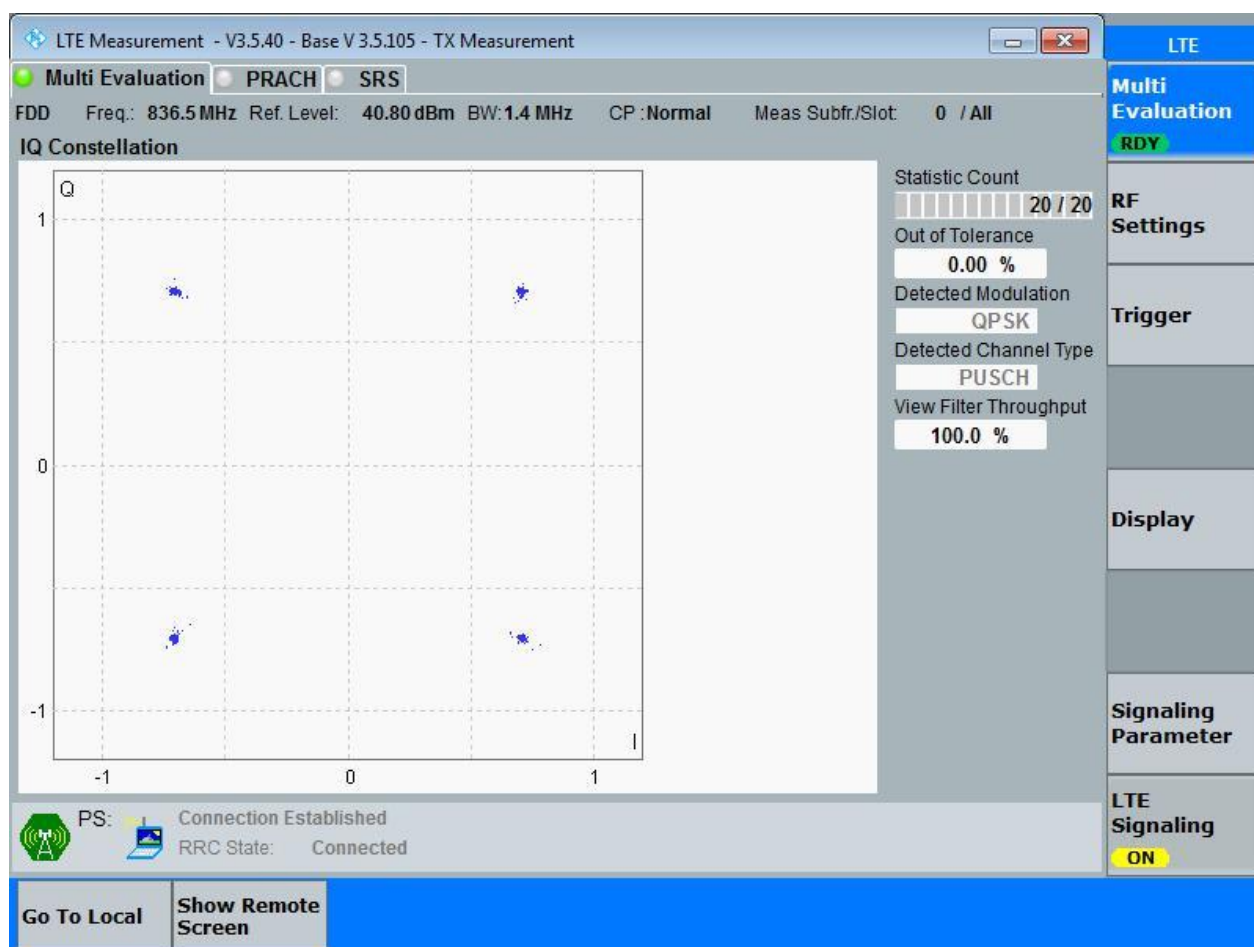
3.1.1 Test Band = BAND5

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

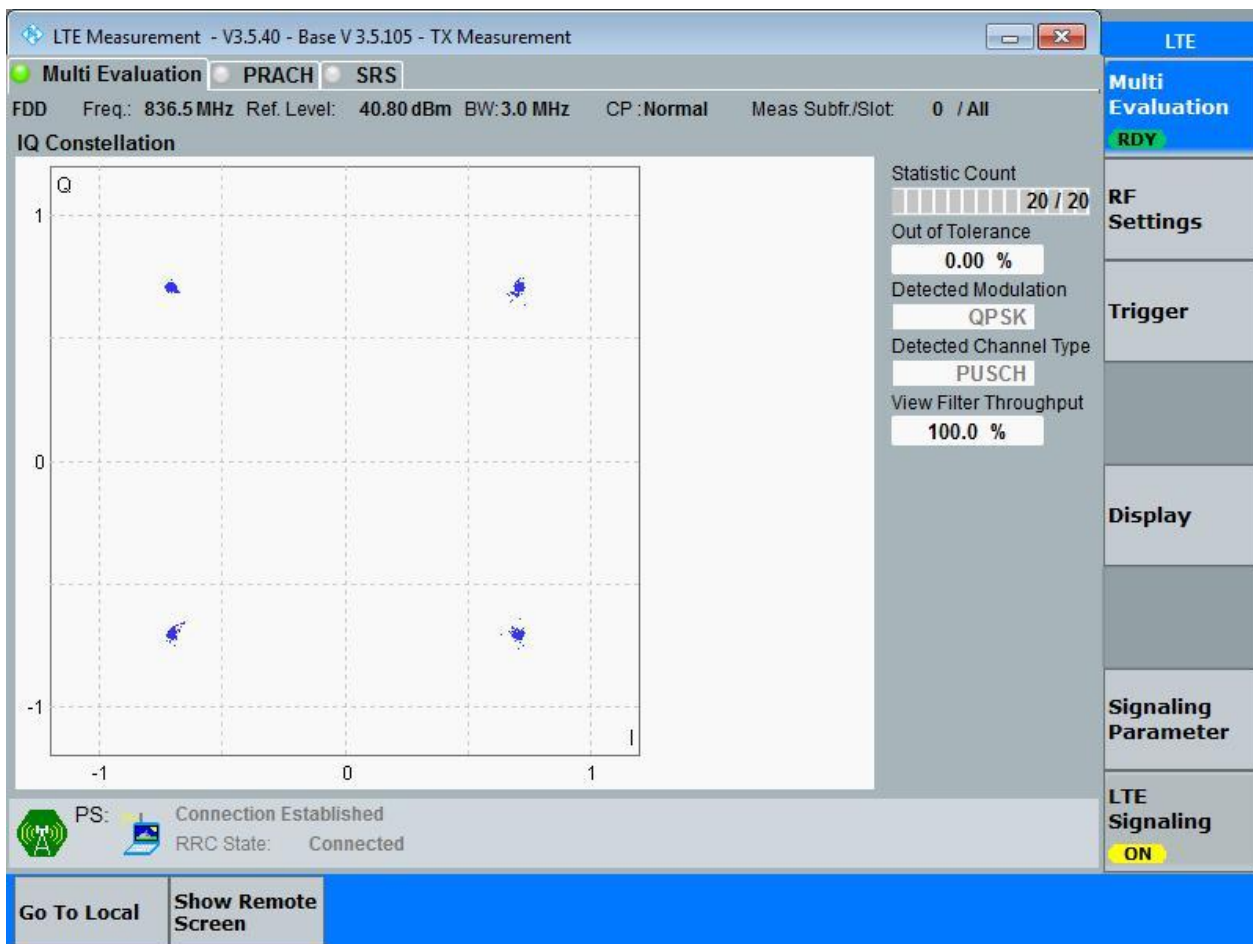
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

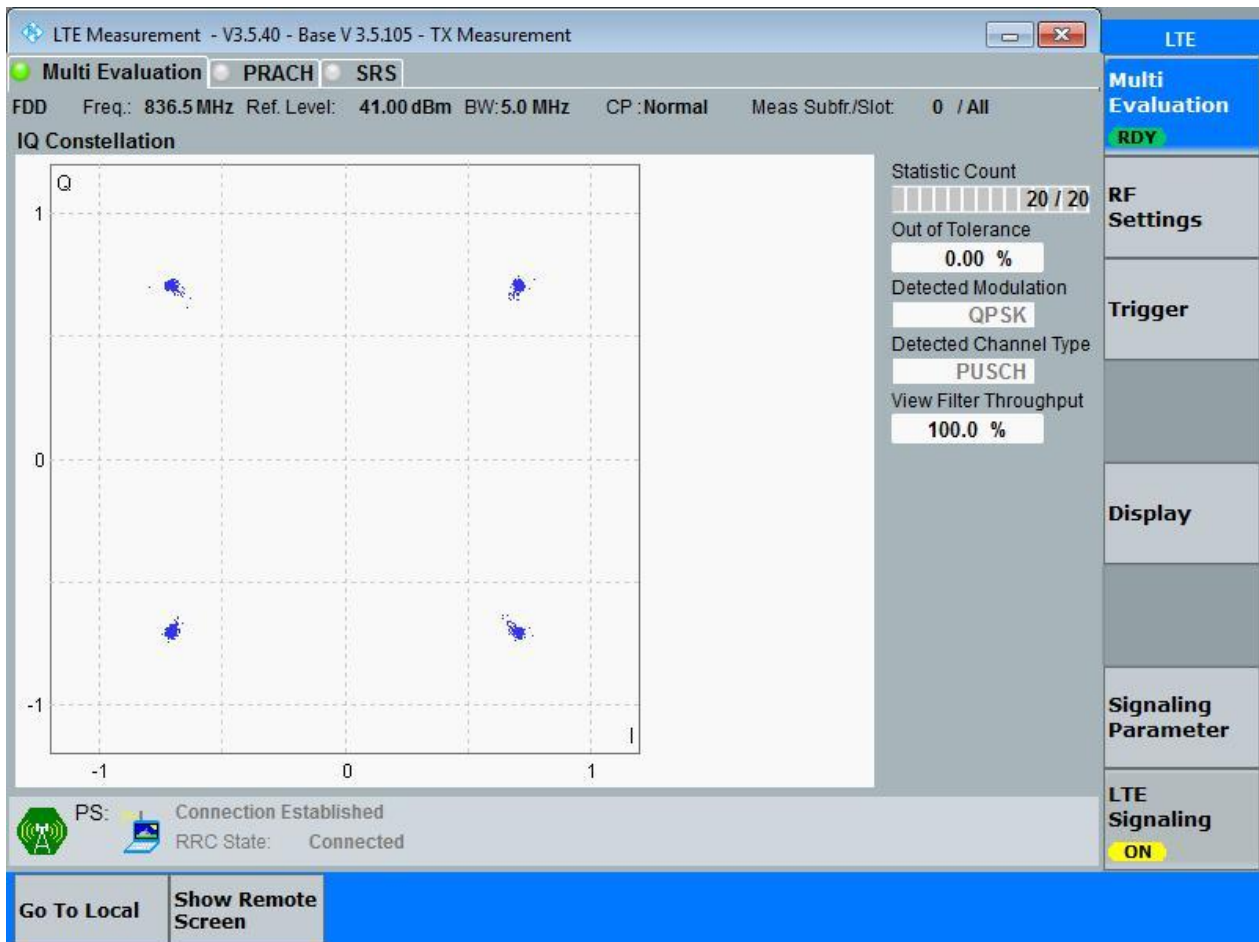
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

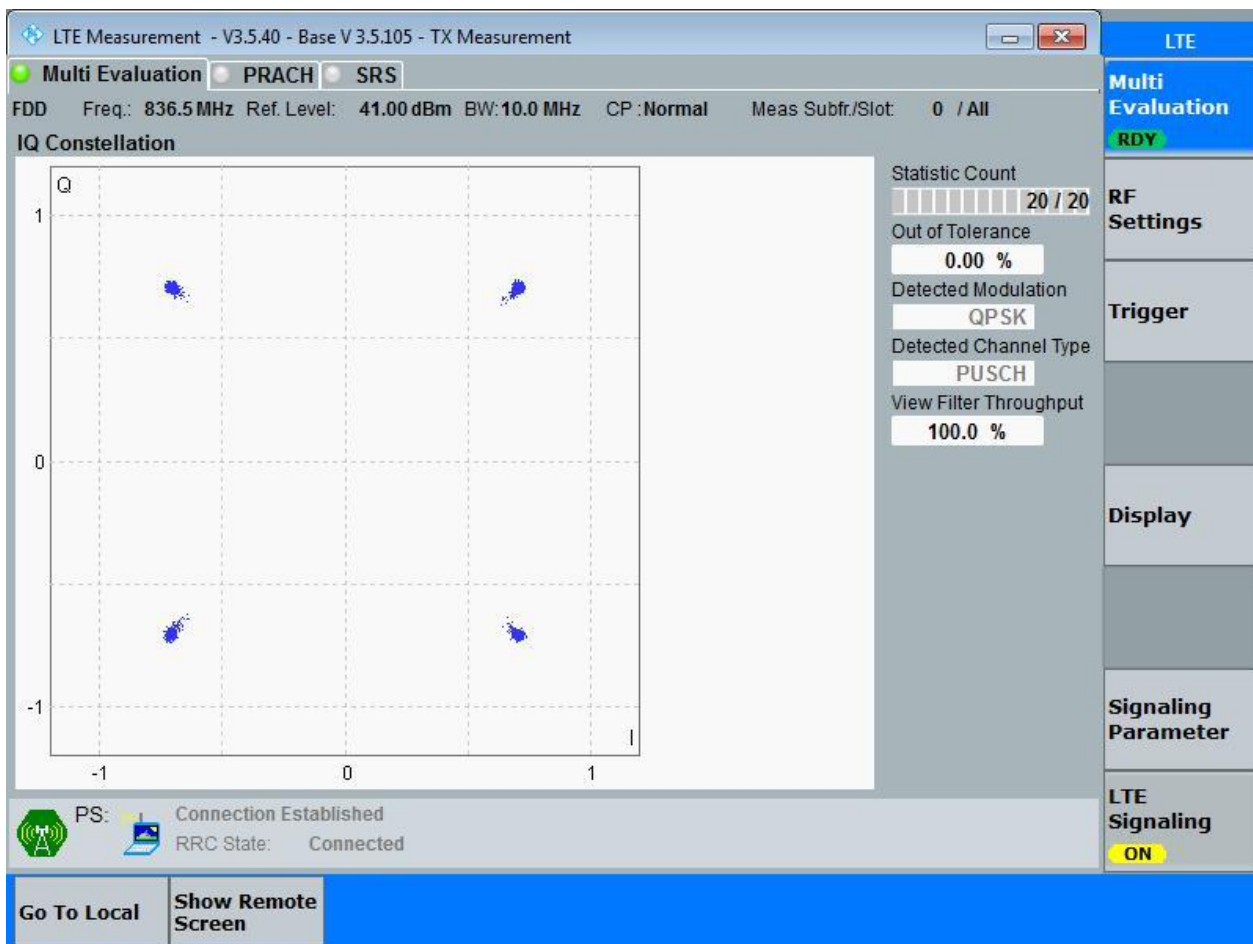
3.1.1.1.3.1.1 Test RB = RB25#0



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

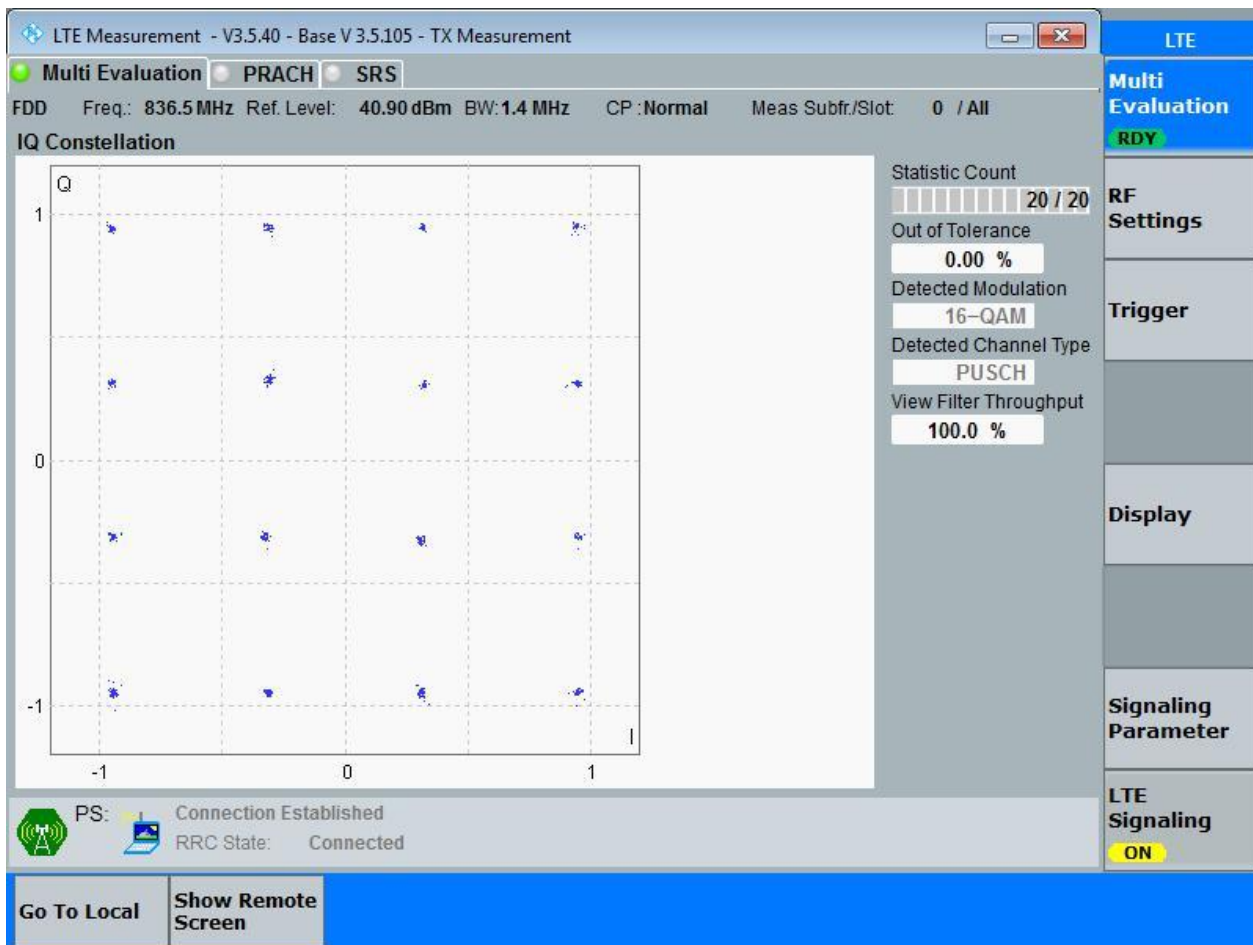


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

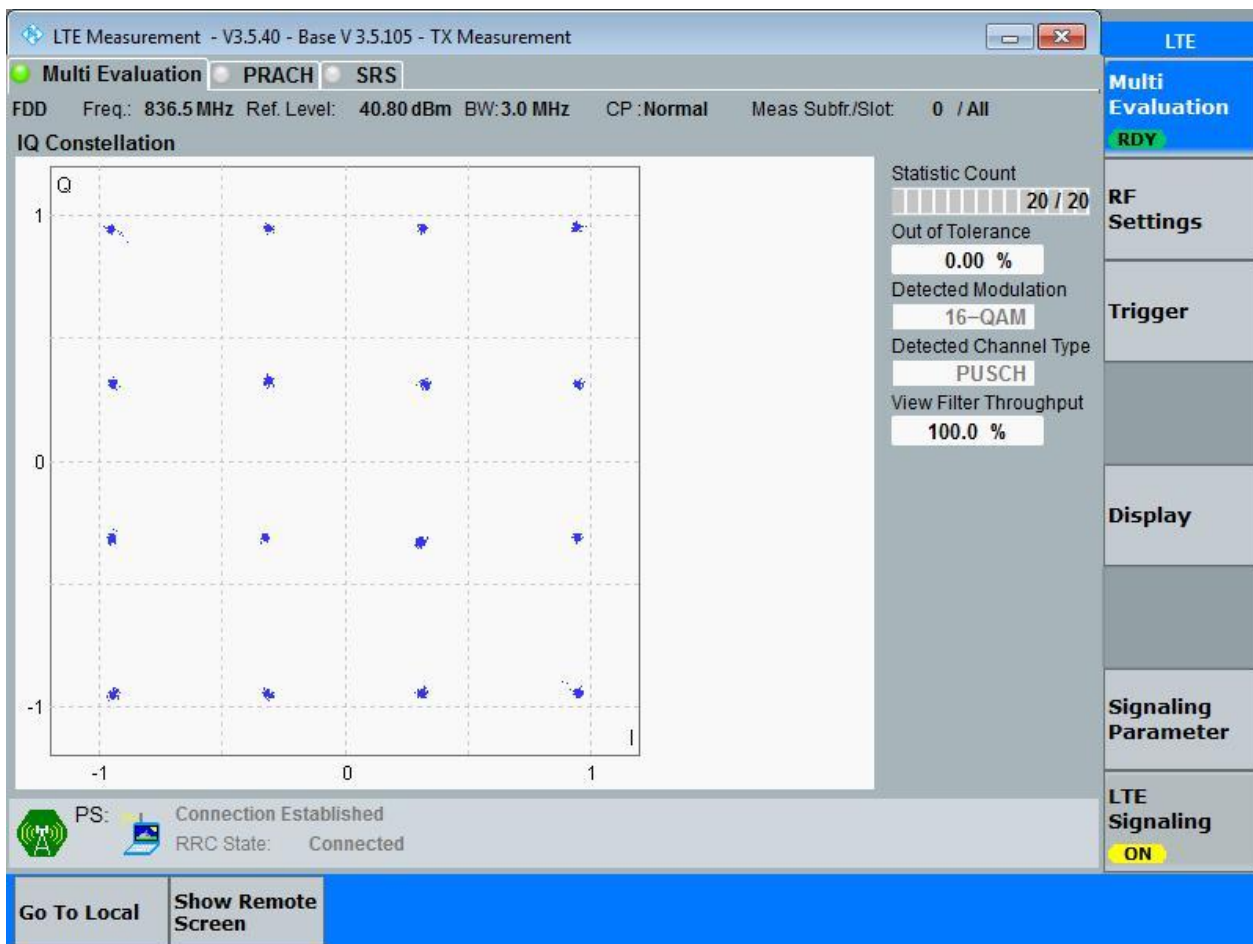
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

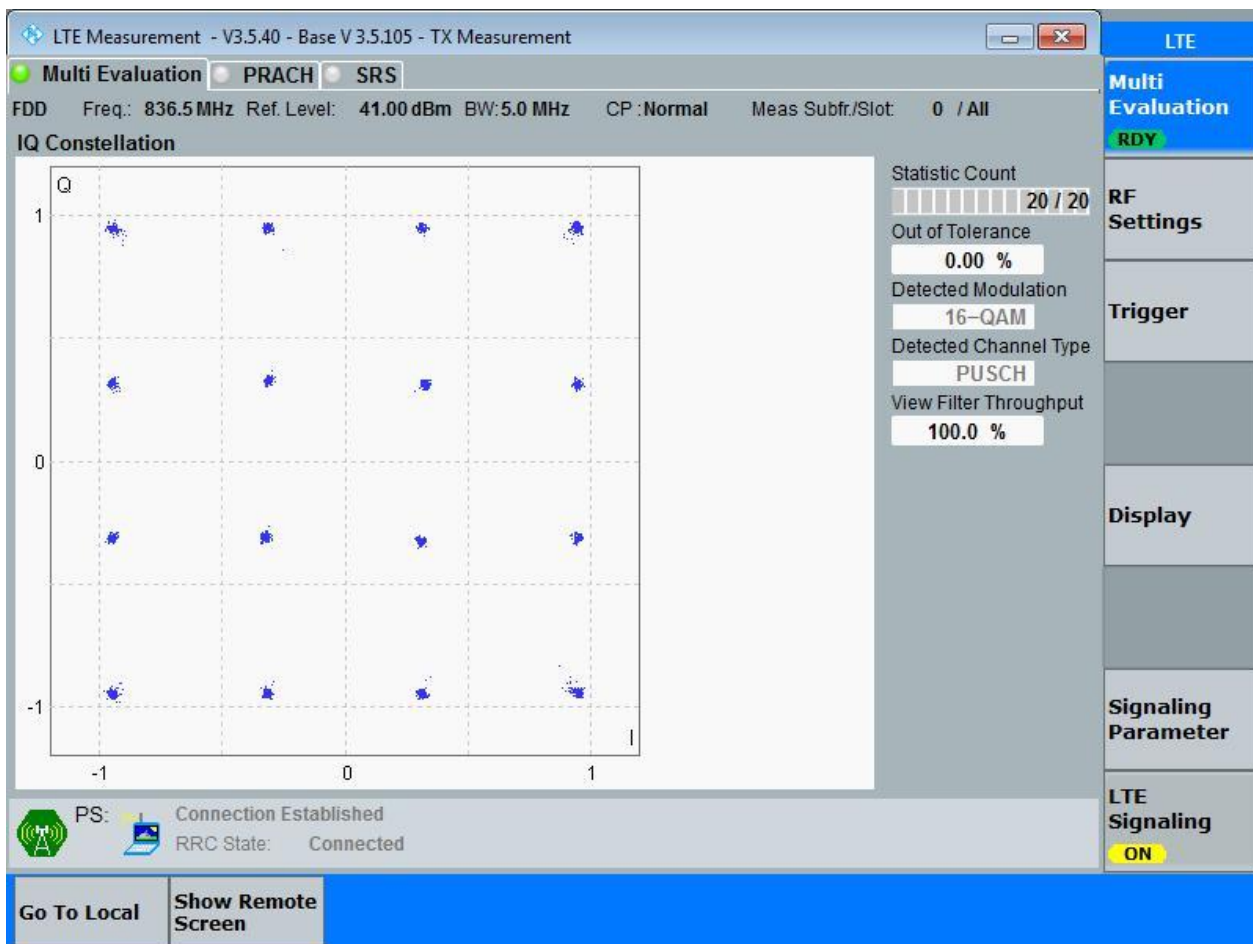
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

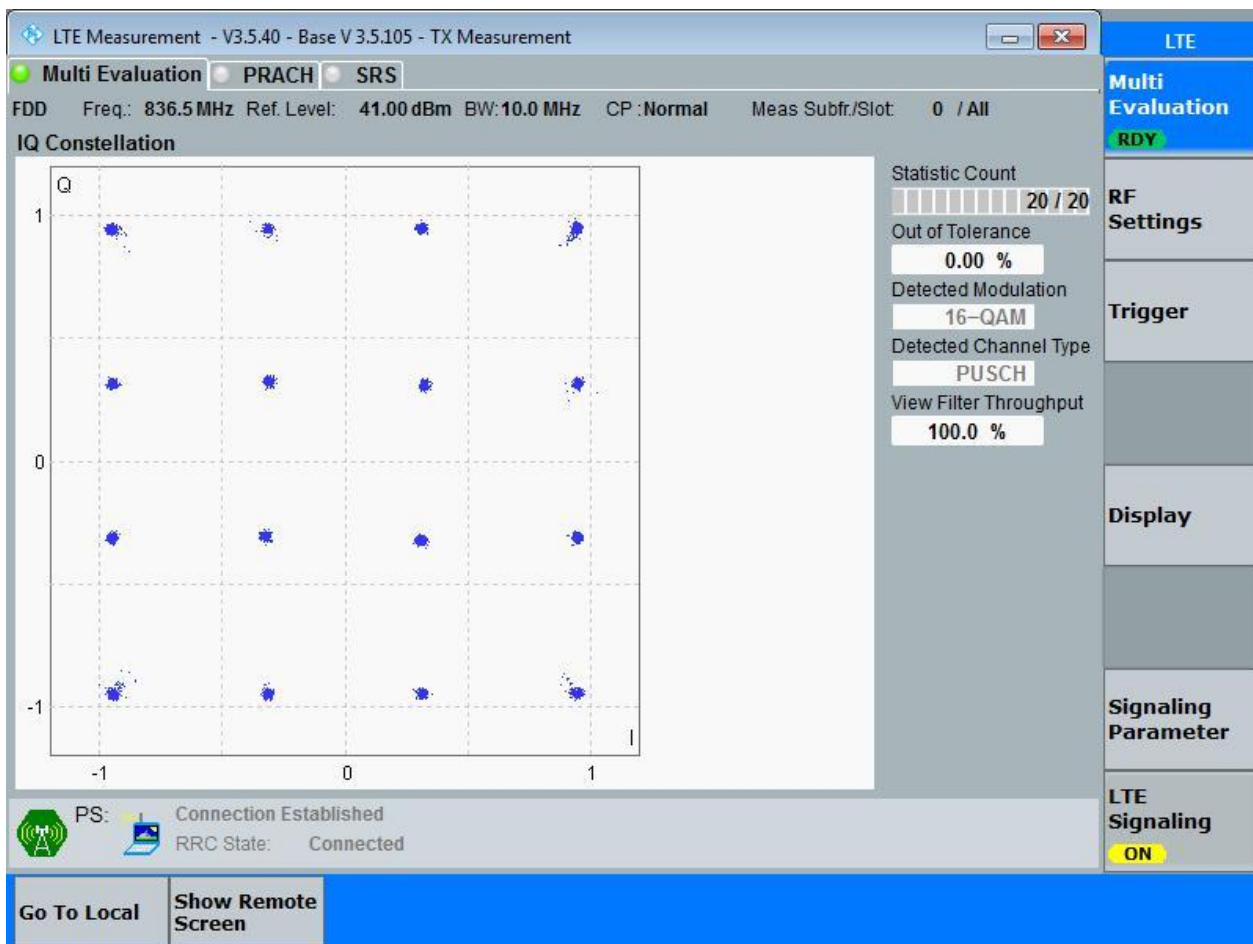
3.1.1.2.3.1.1 Test RB = RB25#0



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	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.71	2.97	Pass
			HCH	RB15#0	2.70	2.98	Pass
		5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.50	4.95	Pass
			HCH	RB25#0	4.51	4.97	Pass
		10	LCH	RB50#0	8.98	9.91	Pass
			MCH	RB50#0	8.98	9.91	Pass
			HCH	RB50#0	9.00	9.91	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.51	4.95	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.52	4.95	Pass
		10	LCH	RB50#0	9.00	9.91	Pass
			MCH	RB50#0	8.99	9.90	Pass
			HCH	RB50#0	8.98	9.89	Pass

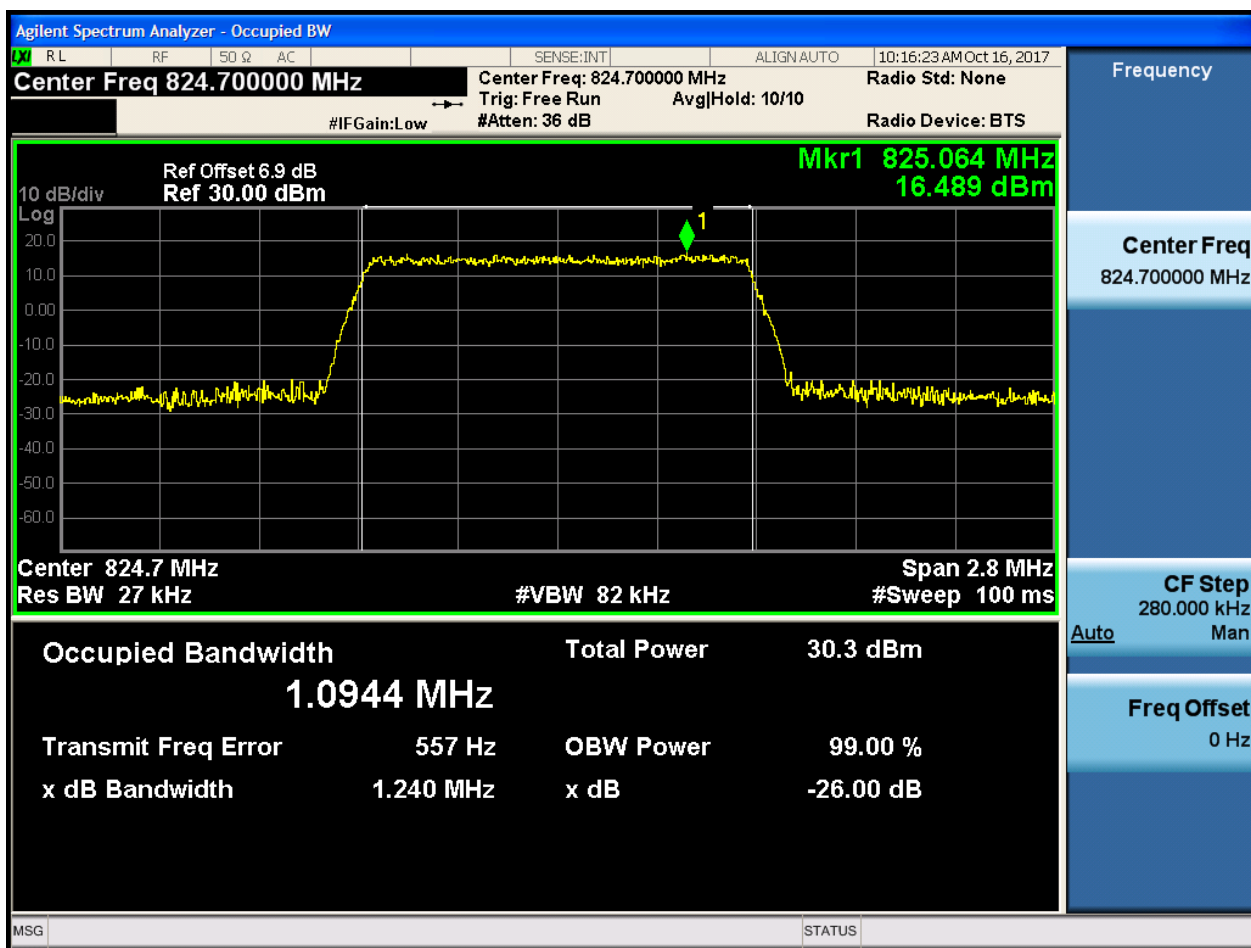
4.1.3 Test Band = BAND5

4.1.3.1 Test Mode = LTE/TM1

4.1.3.1.1 Test Bandwidth = 1.4

4.1.3.1.1.1 Test Channel = LCH

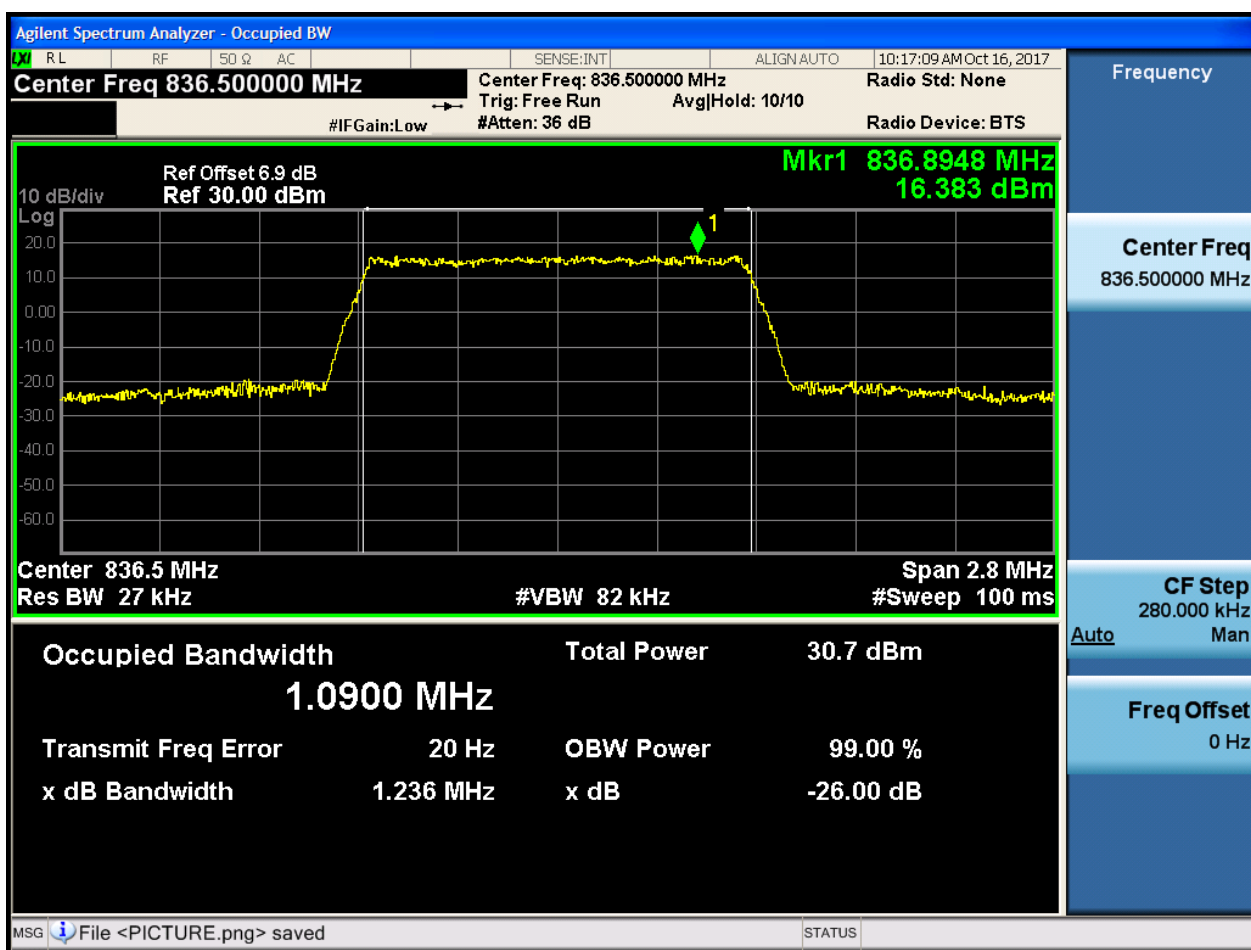
4.1.3.1.1.1.1 Test RB = RB6#0





4.1.3.1.1.2 Test Channel = MCH

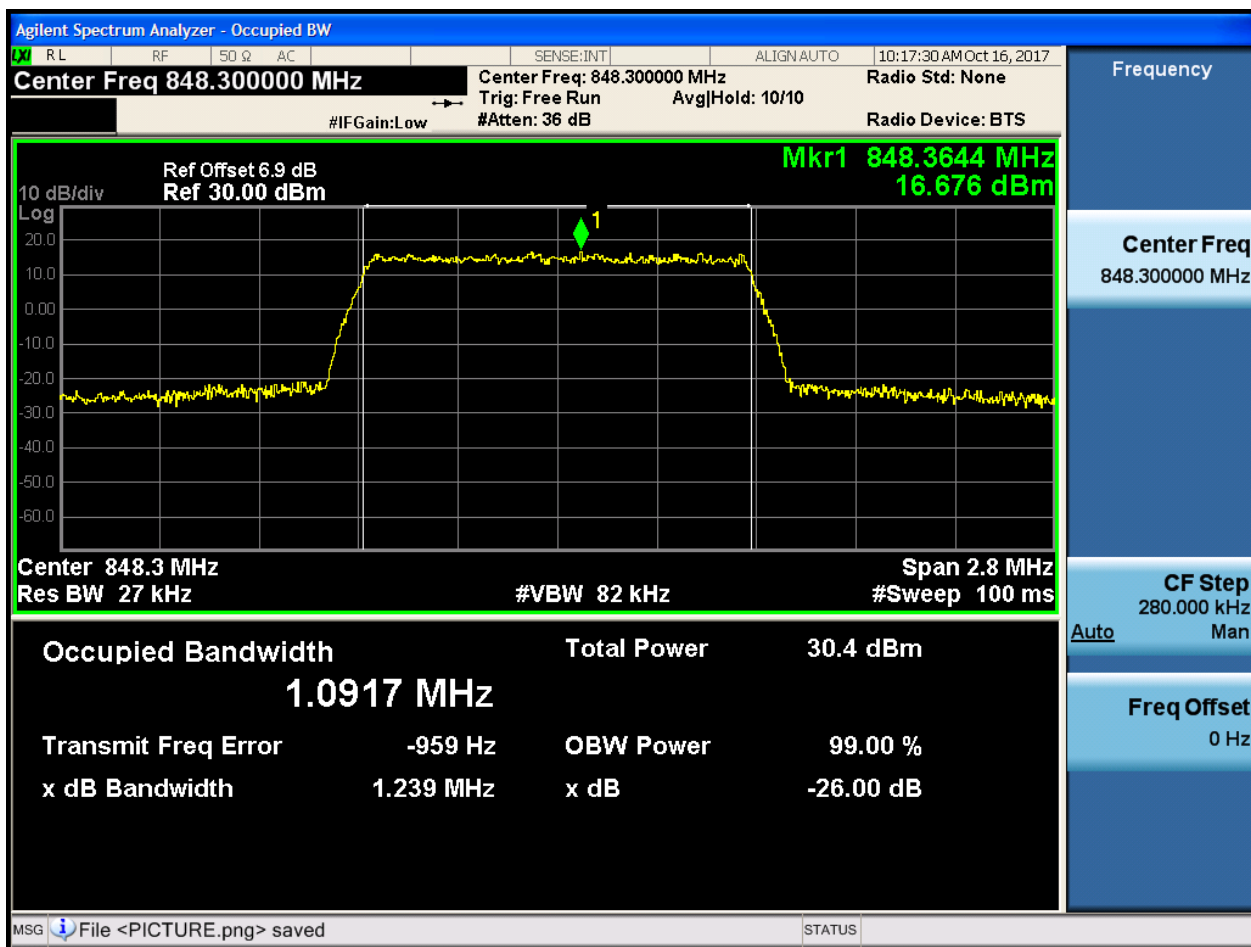
4.1.3.1.1.2.1 Test RB = RB6#0





4.1.3.1.1.3 Test Channel = HCH

4.1.3.1.1.3.1 Test RB = RB6#0

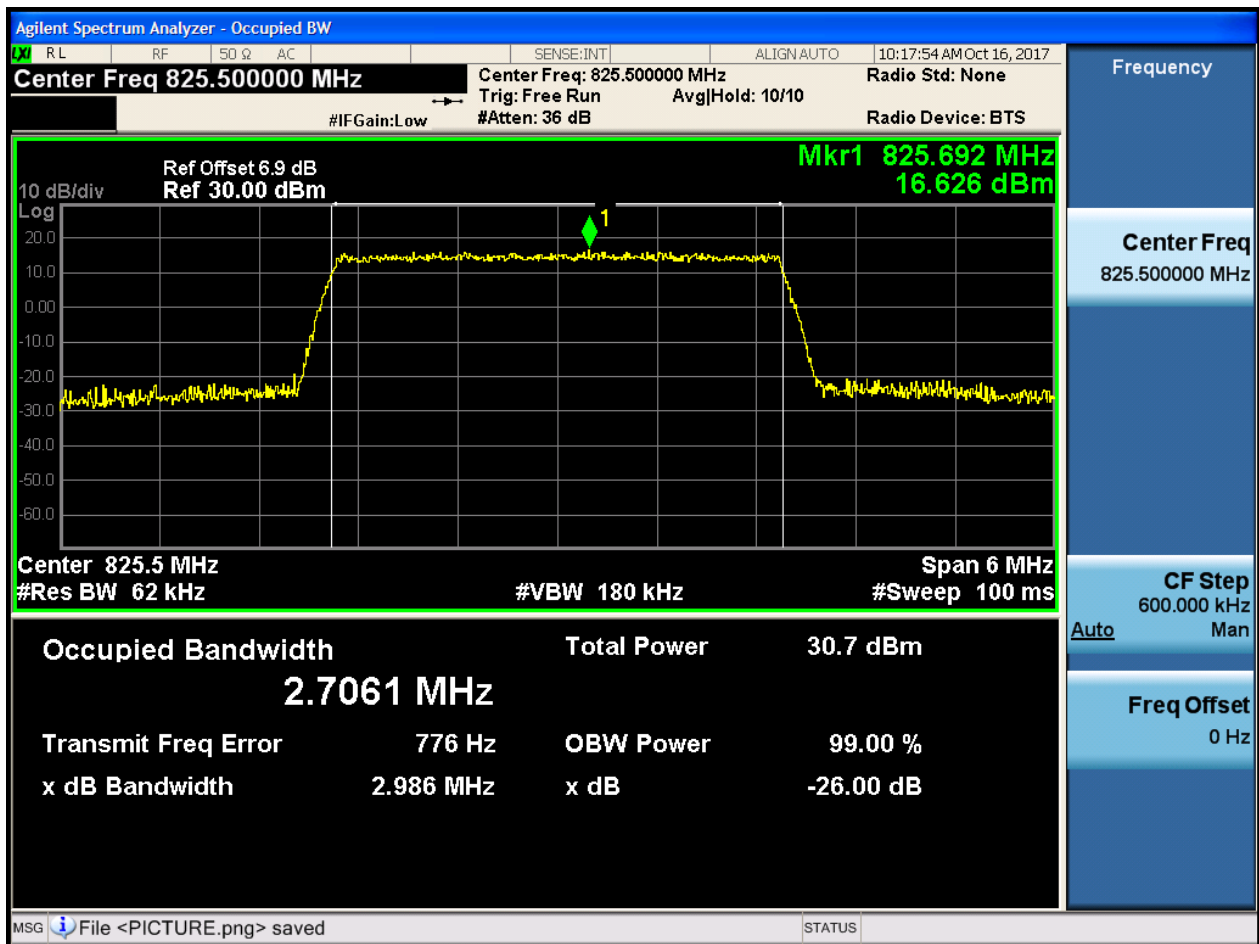




4.1.3.1.2 Test Bandwidth = 3

4.1.3.1.2.1 Test Channel = LCH

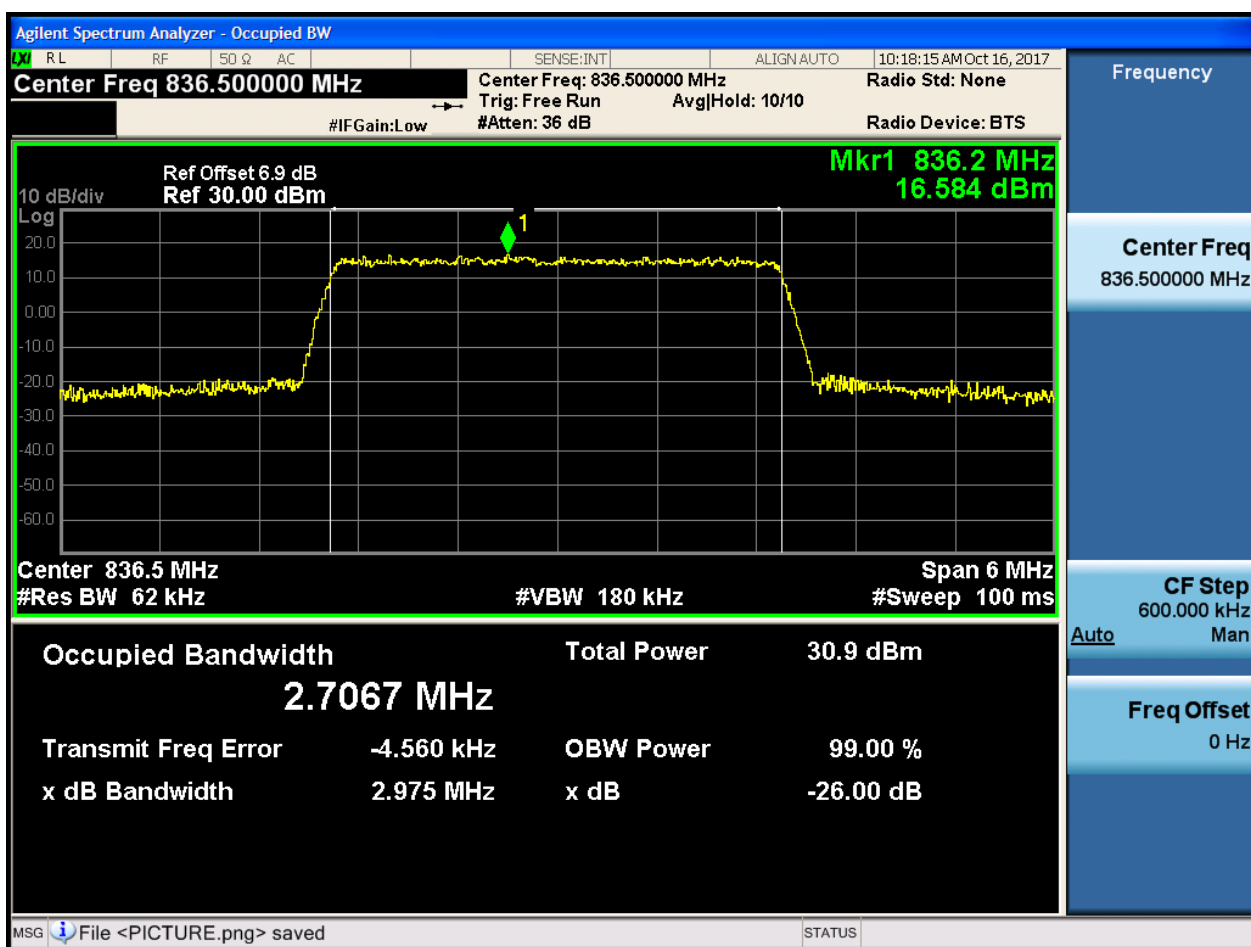
4.1.3.1.2.1.1 Test RB = RB15#0





4.1.3.1.2.2 Test Channel = MCH

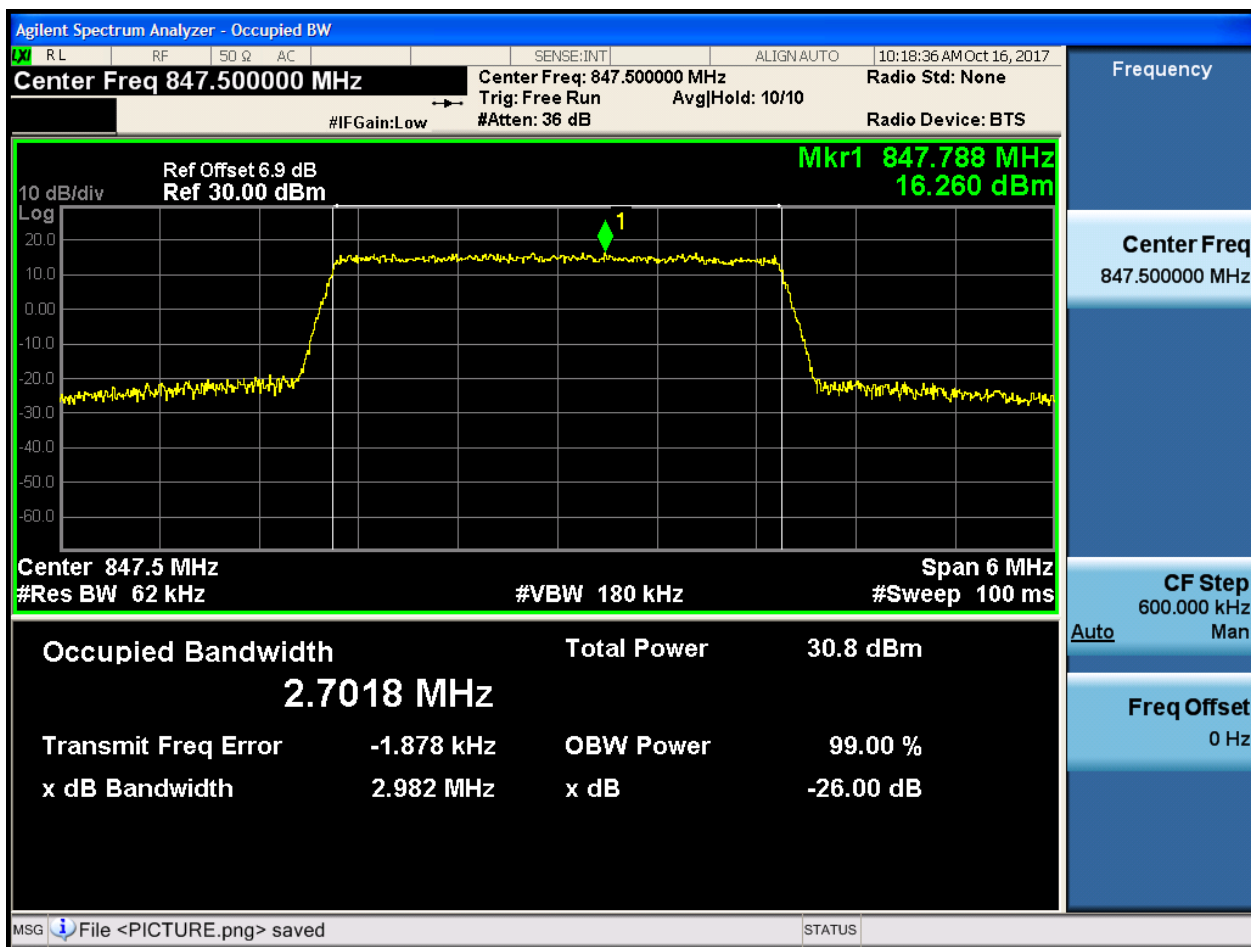
4.1.3.1.2.2.1 Test RB = RB15#0





4.1.3.1.2.3 Test Channel = HCH

4.1.3.1.2.3.1 Test RB = RB15#0

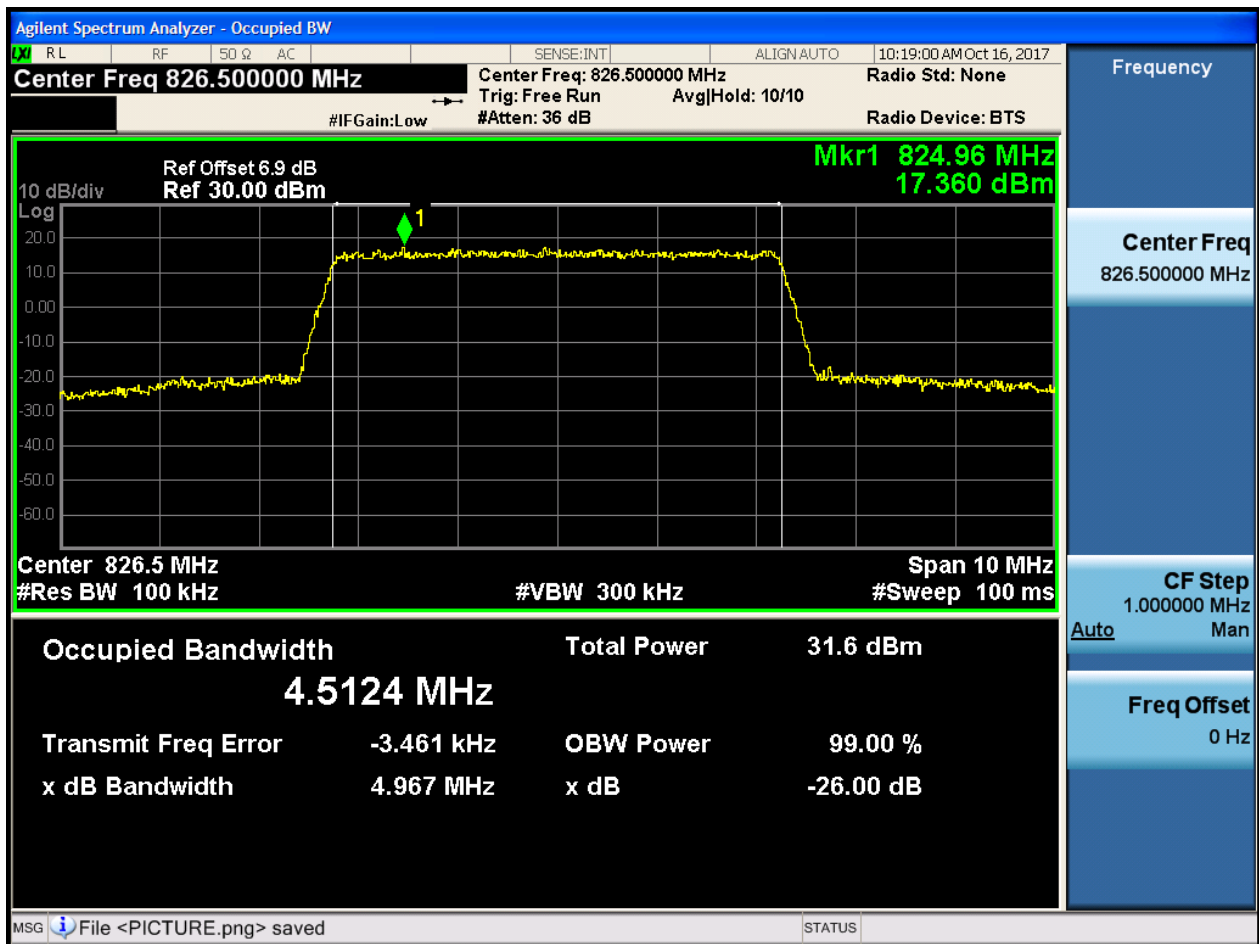




4.1.3.1.3 Test Bandwidth = 5

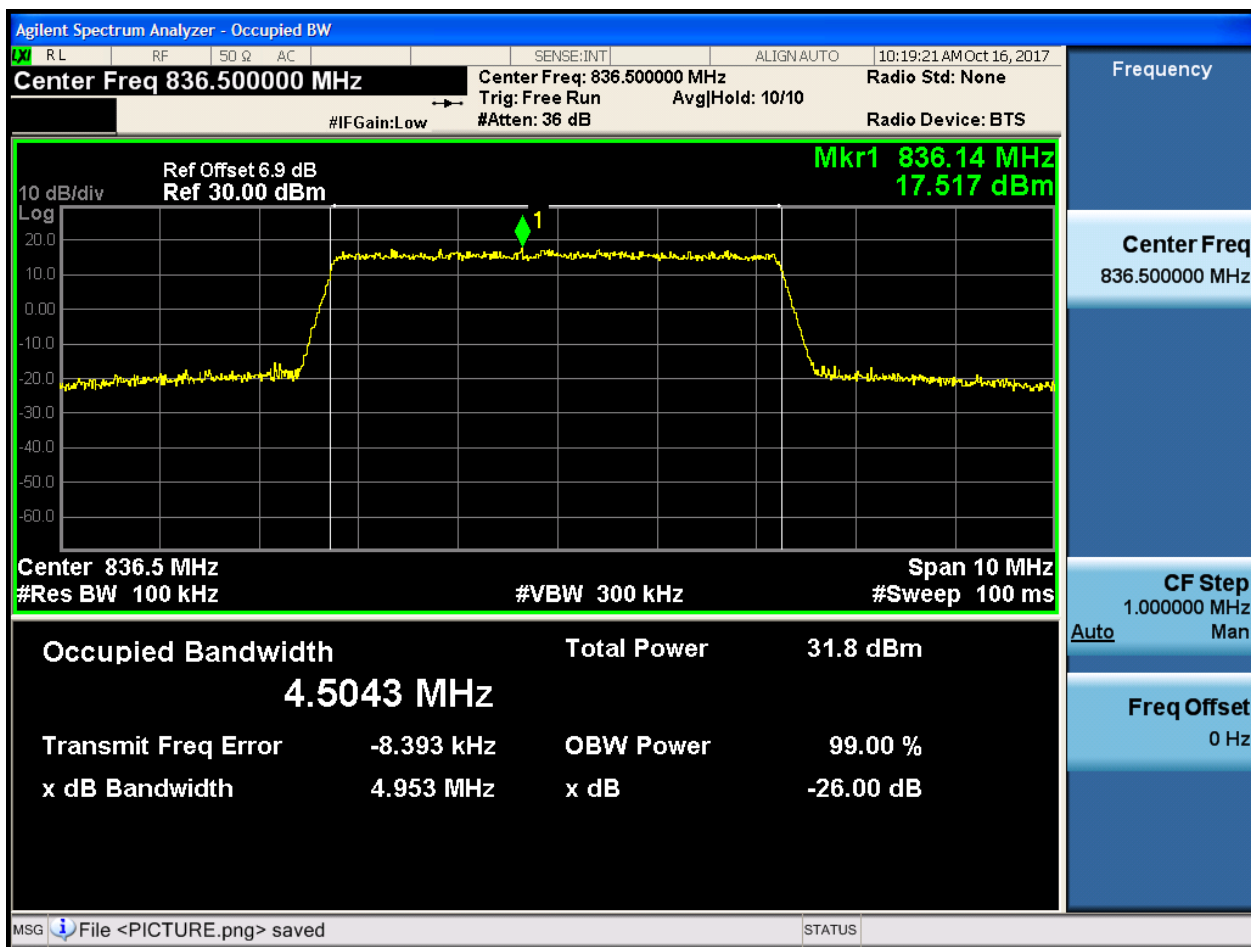
4.1.3.1.3.1 Test Channel = LCH

4.1.3.1.3.1.1 Test RB = RB25#0



4.1.3.1.3.2 Test Channel = MCH

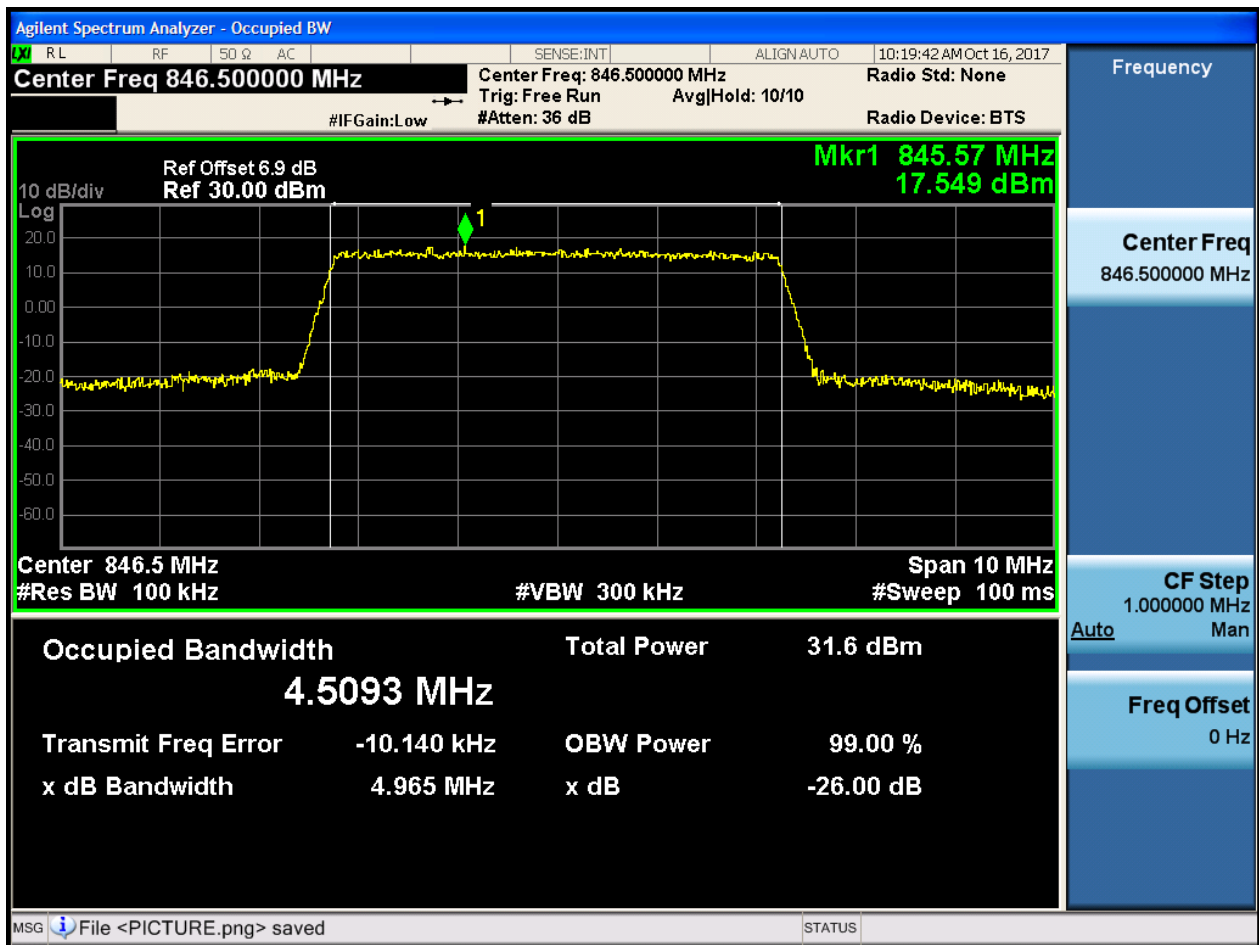
4.1.3.1.3.2.1 Test RB = RB25#0





4.1.3.1.3.3 Test Channel = HCH

4.1.3.1.3.3.1 Test RB = RB25#0

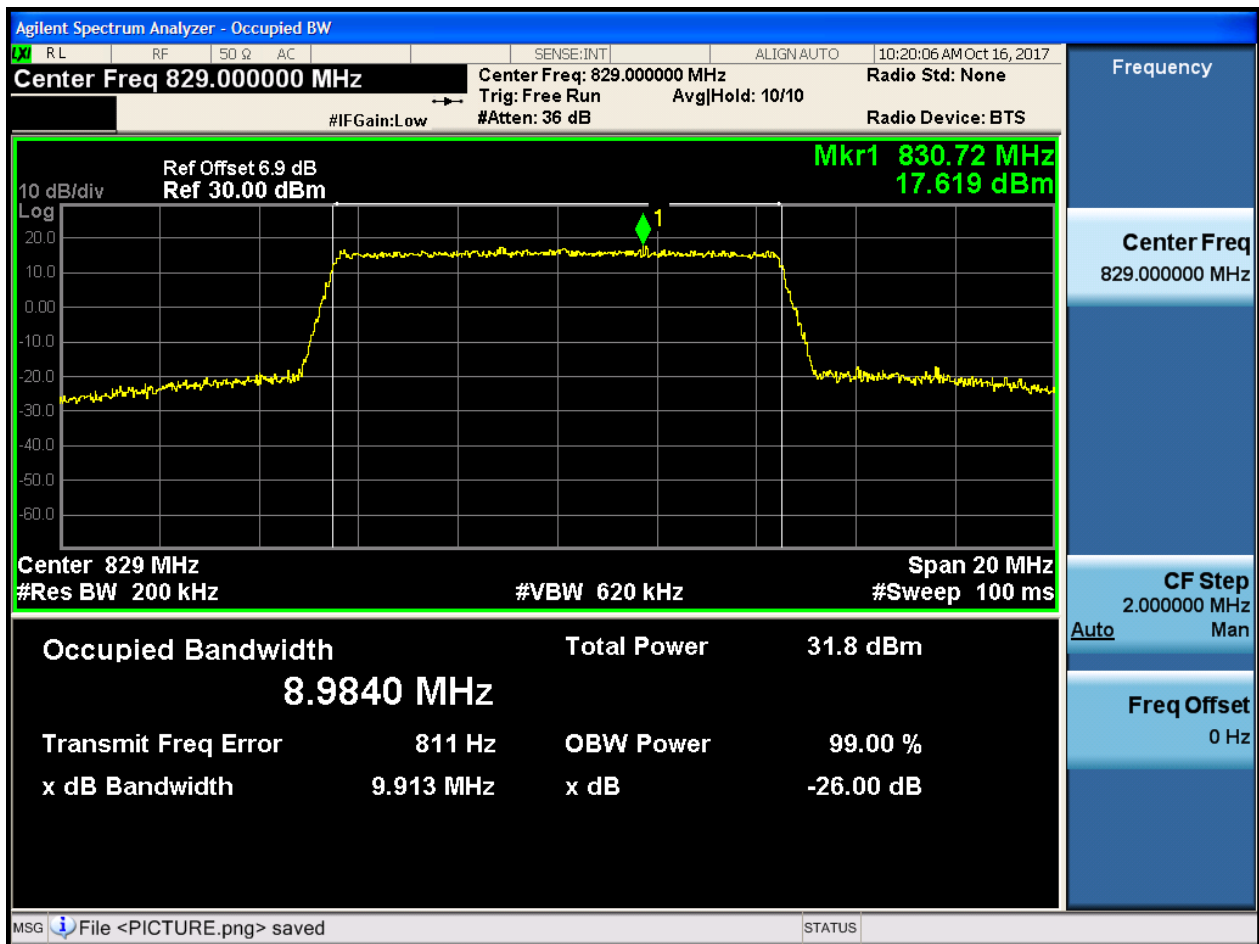




4.1.3.1.4 Test Bandwidth = 10

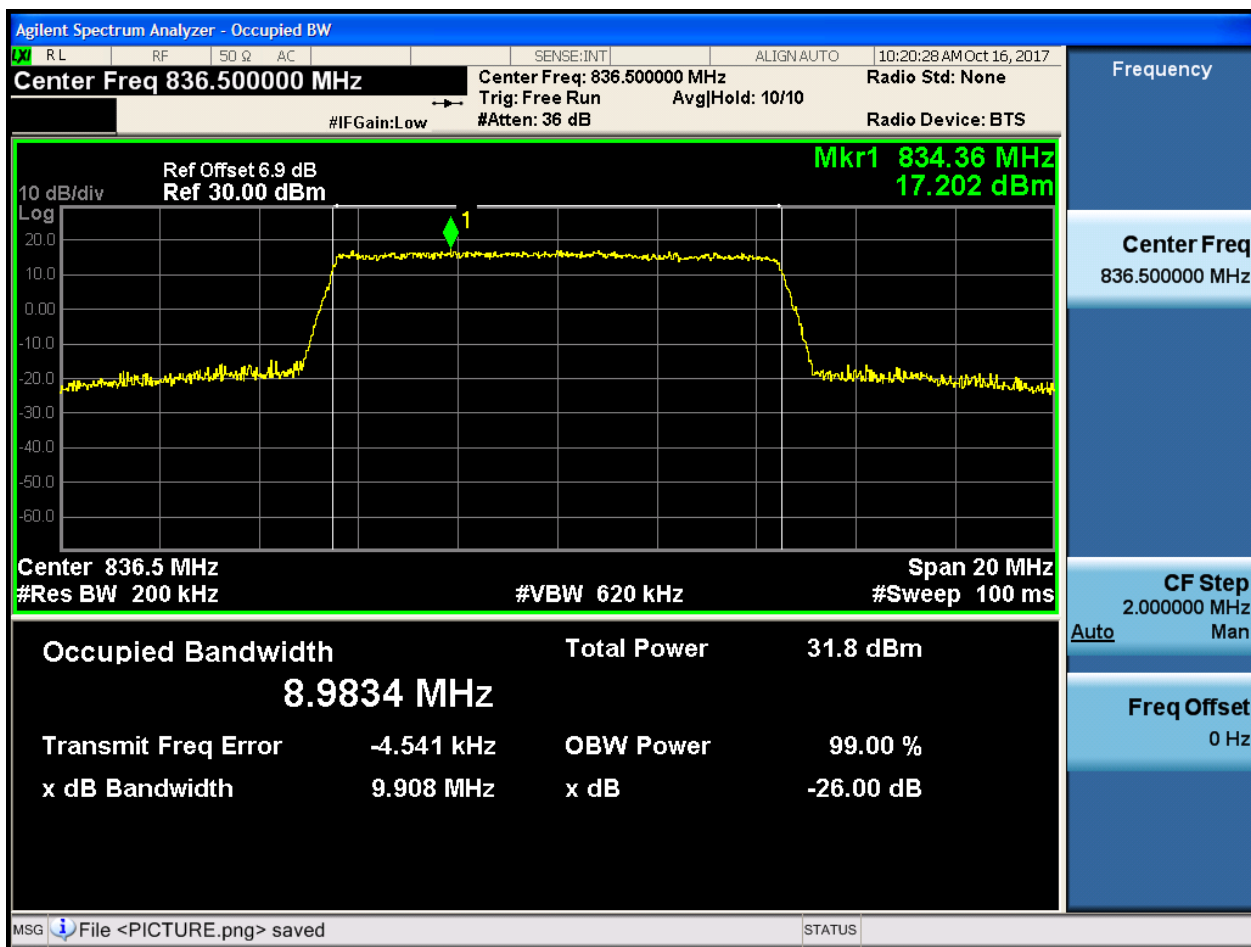
4.1.3.1.4.1 Test Channel = LCH

4.1.3.1.4.1.1 Test RB = RB50#0



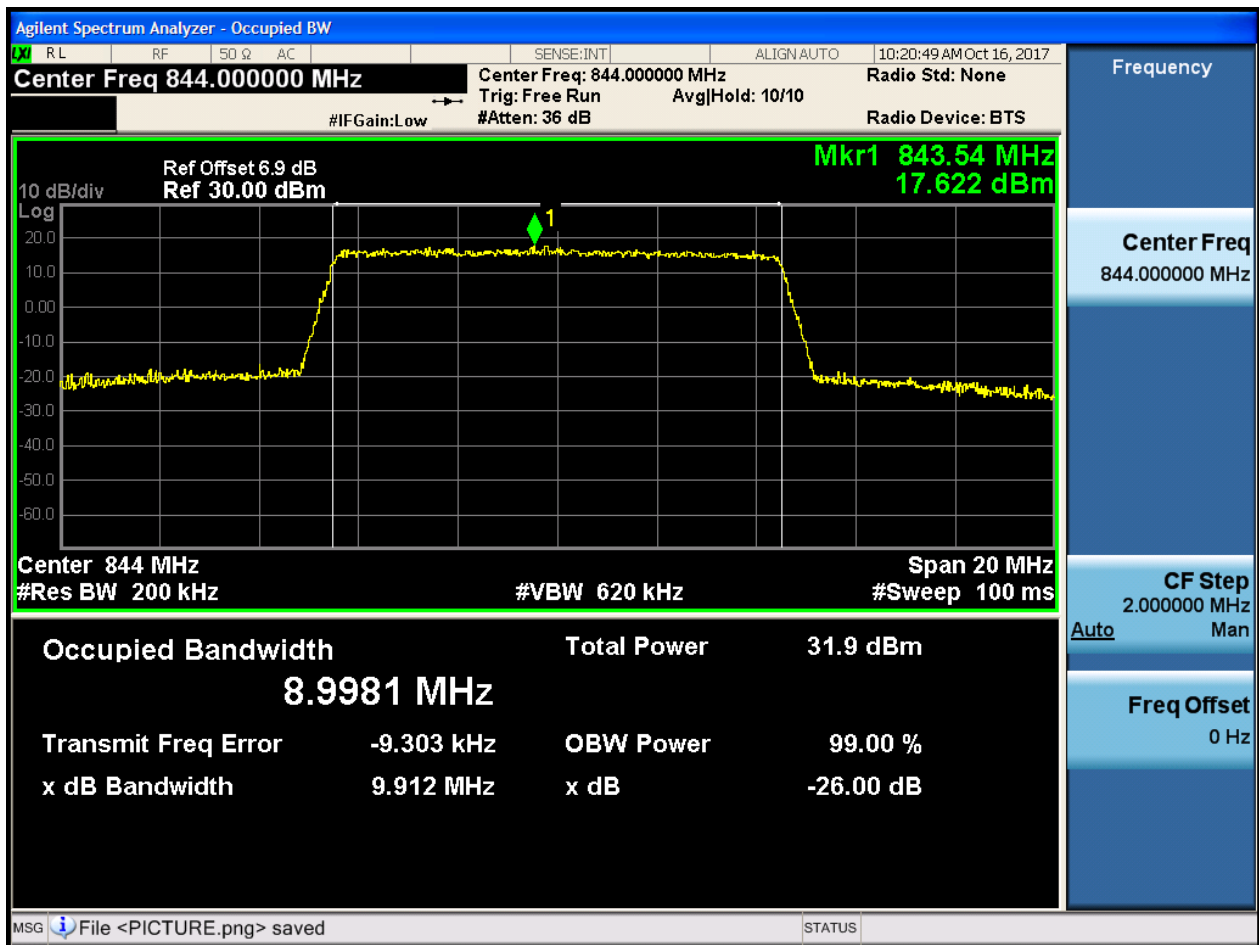
4.1.3.1.4.2 Test Channel = MCH

4.1.3.1.4.2.1 Test RB = RB50#0



4.1.3.1.4.3 Test Channel = HCH

4.1.3.1.4.3.1 Test RB = RB50#0



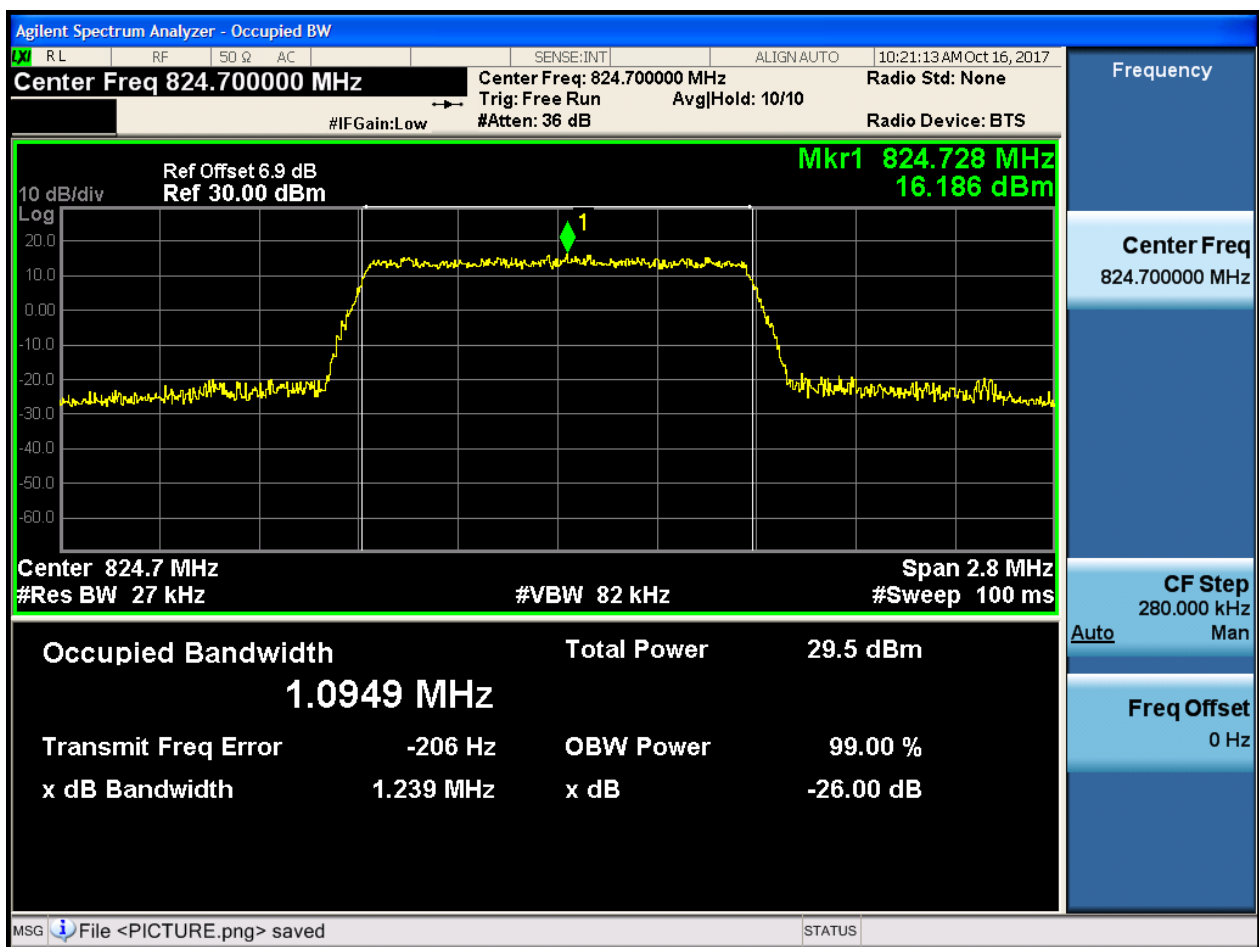


4.1.3.2 Test Mode = LTE/TM2

4.1.3.2.1 Test Bandwidth = 1.4

4.1.3.2.1.1 Test Channel = LCH

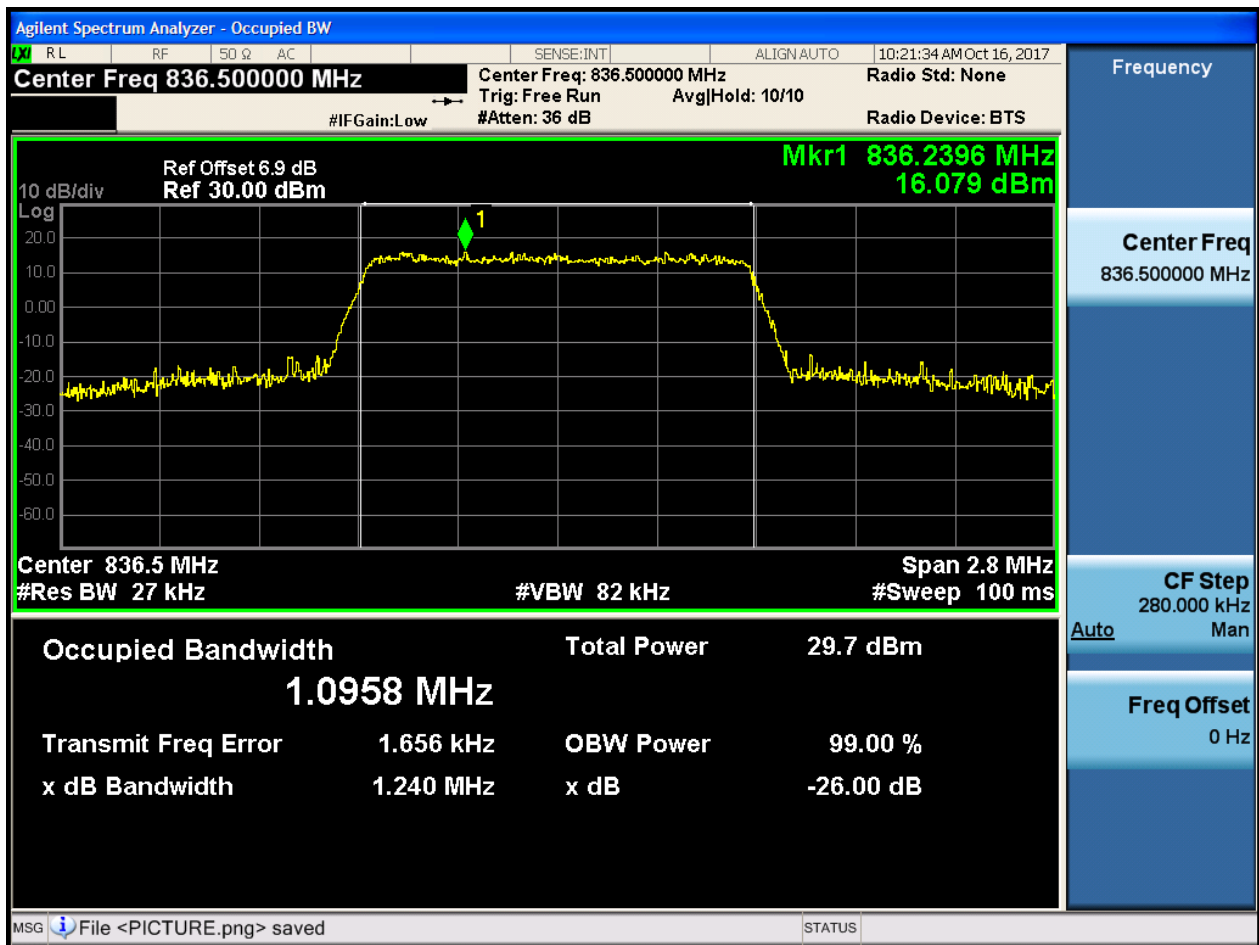
4.1.3.2.1.1.1 Test RB = RB6#0





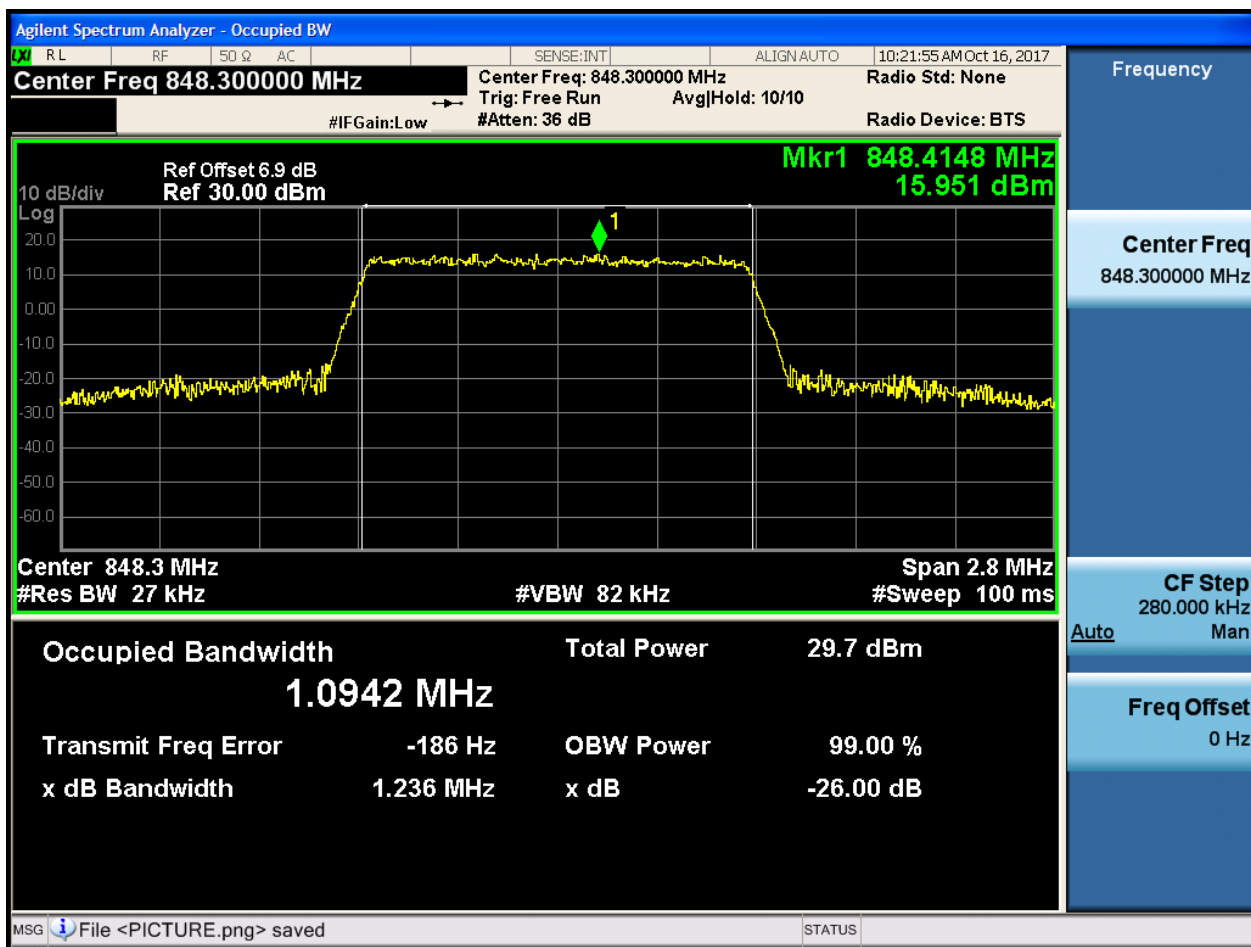
4.1.3.2.1.2 Test Channel = MCH

4.1.3.2.1.2.1 Test RB = RB6#0



4.1.3.2.1.3 Test Channel = HCH

4.1.3.2.1.3.1 Test RB = RB6#0

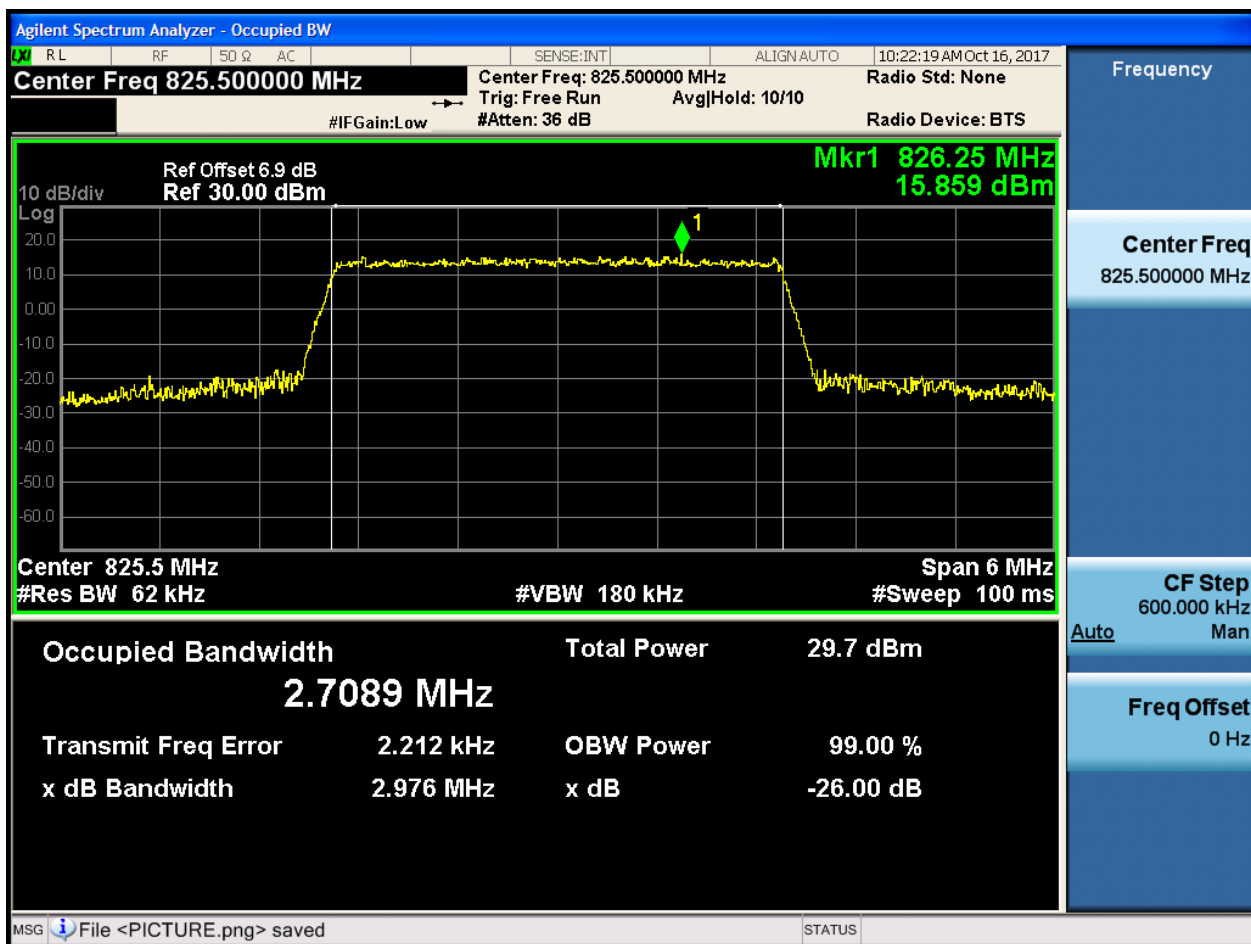




4.1.3.2.2 Test Bandwidth = 3

4.1.3.2.2.1 Test Channel = LCH

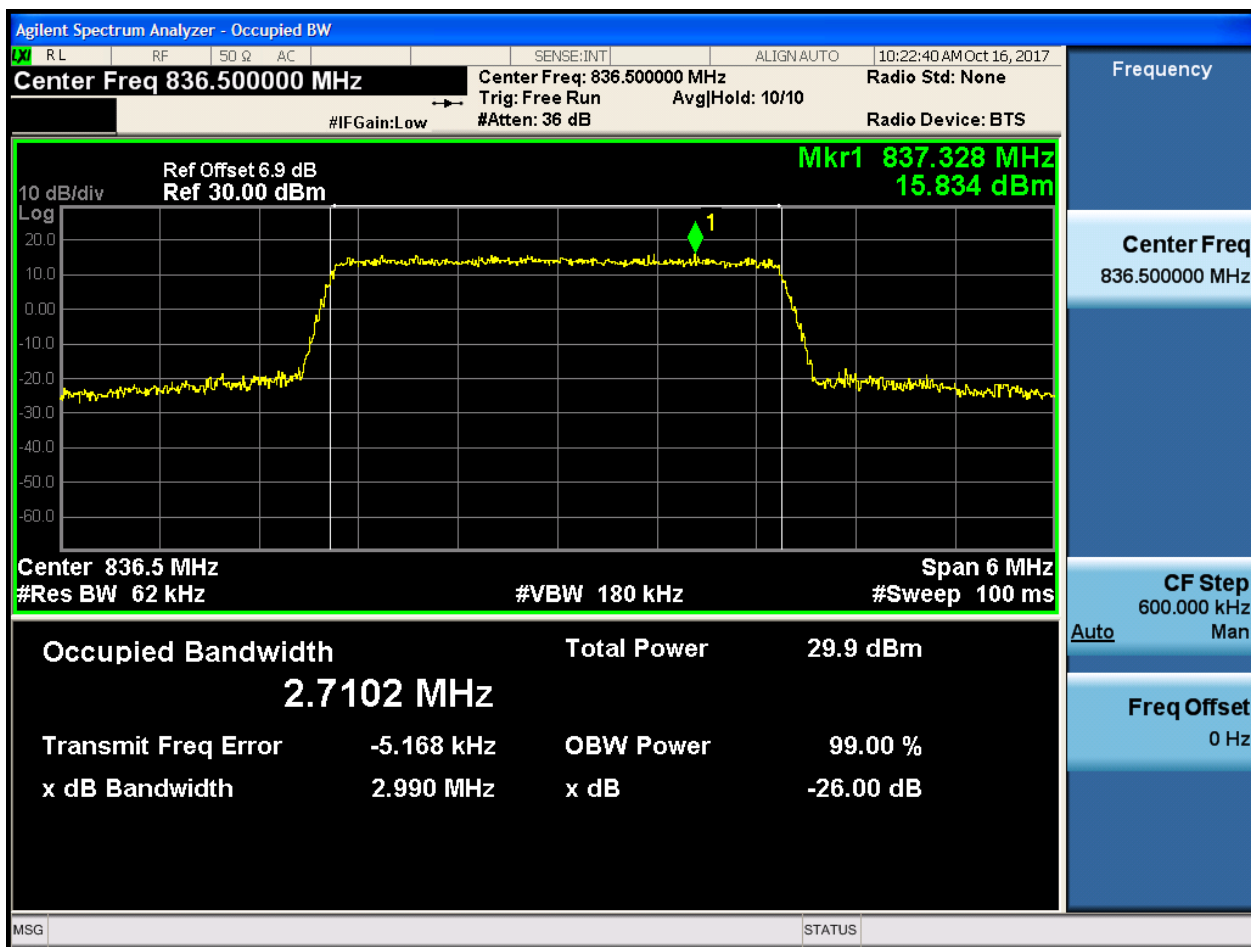
4.1.3.2.2.1.1 Test RB = RB15#0





4.1.3.2.2.2 Test Channel = MCH

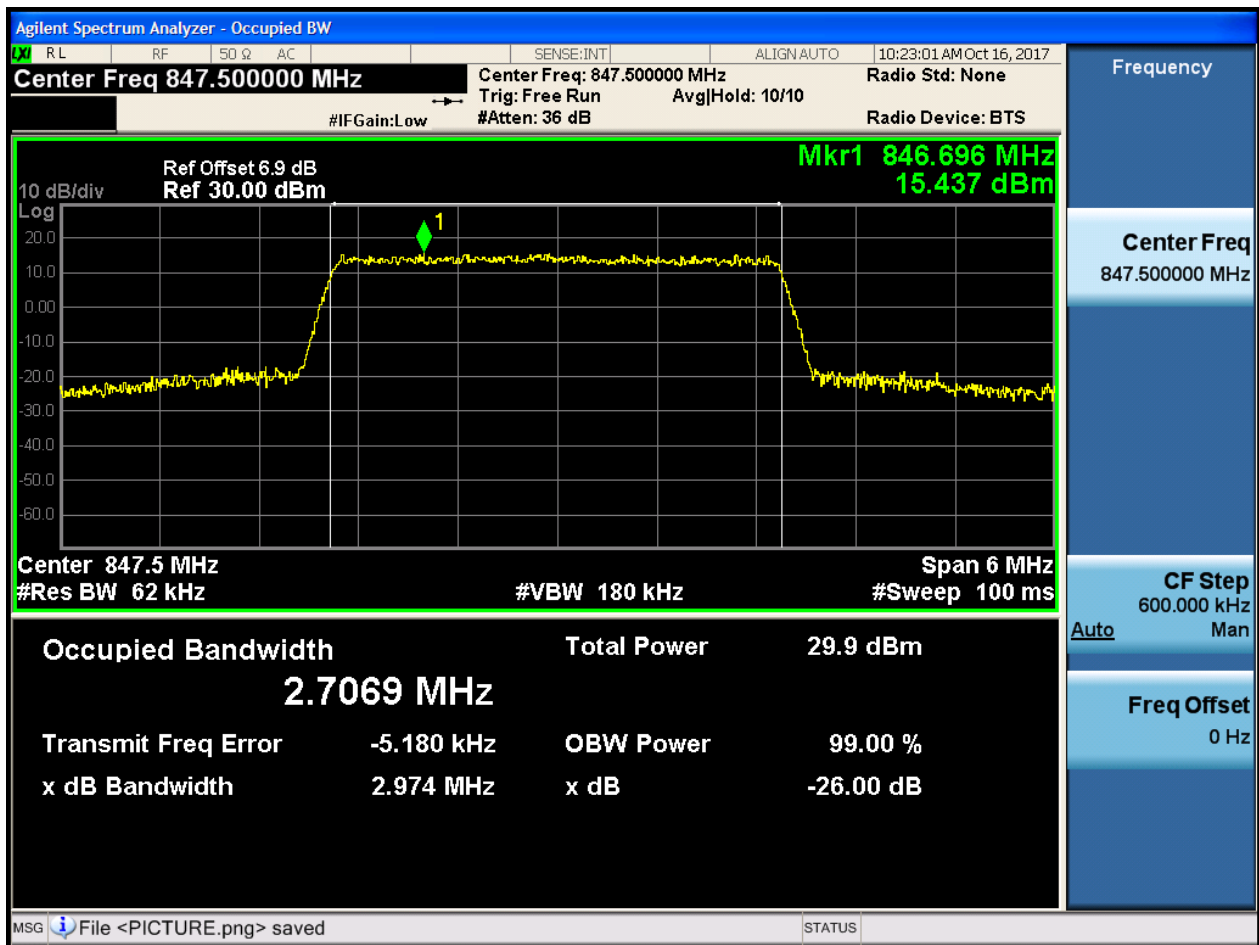
4.1.3.2.2.1 Test RB = RB15#0





4.1.3.2.2.3 Test Channel = HCH

4.1.3.2.2.3.1 Test RB = RB15#0

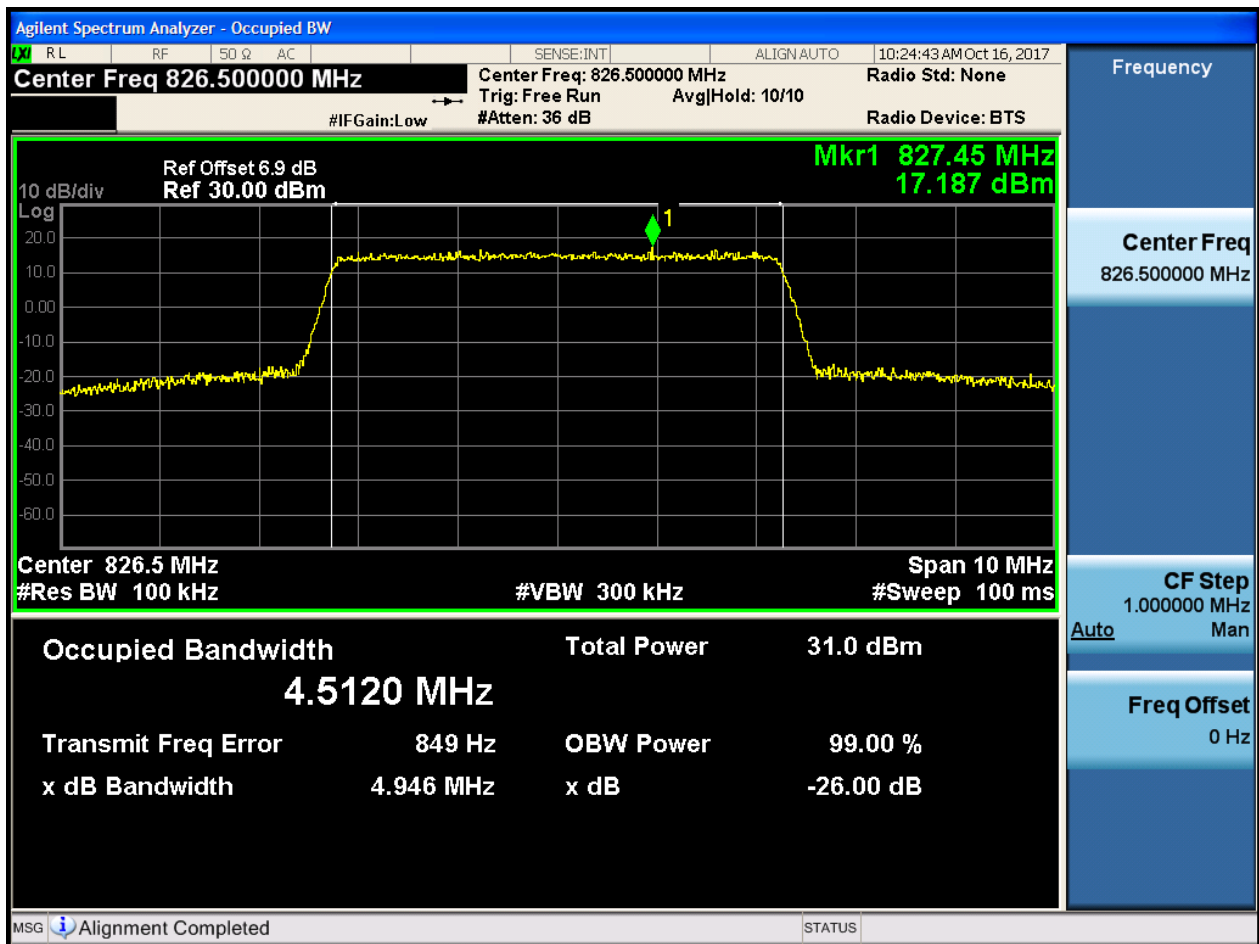




4.1.3.2.3 Test Bandwidth = 5

4.1.3.2.3.1 Test Channel = LCH

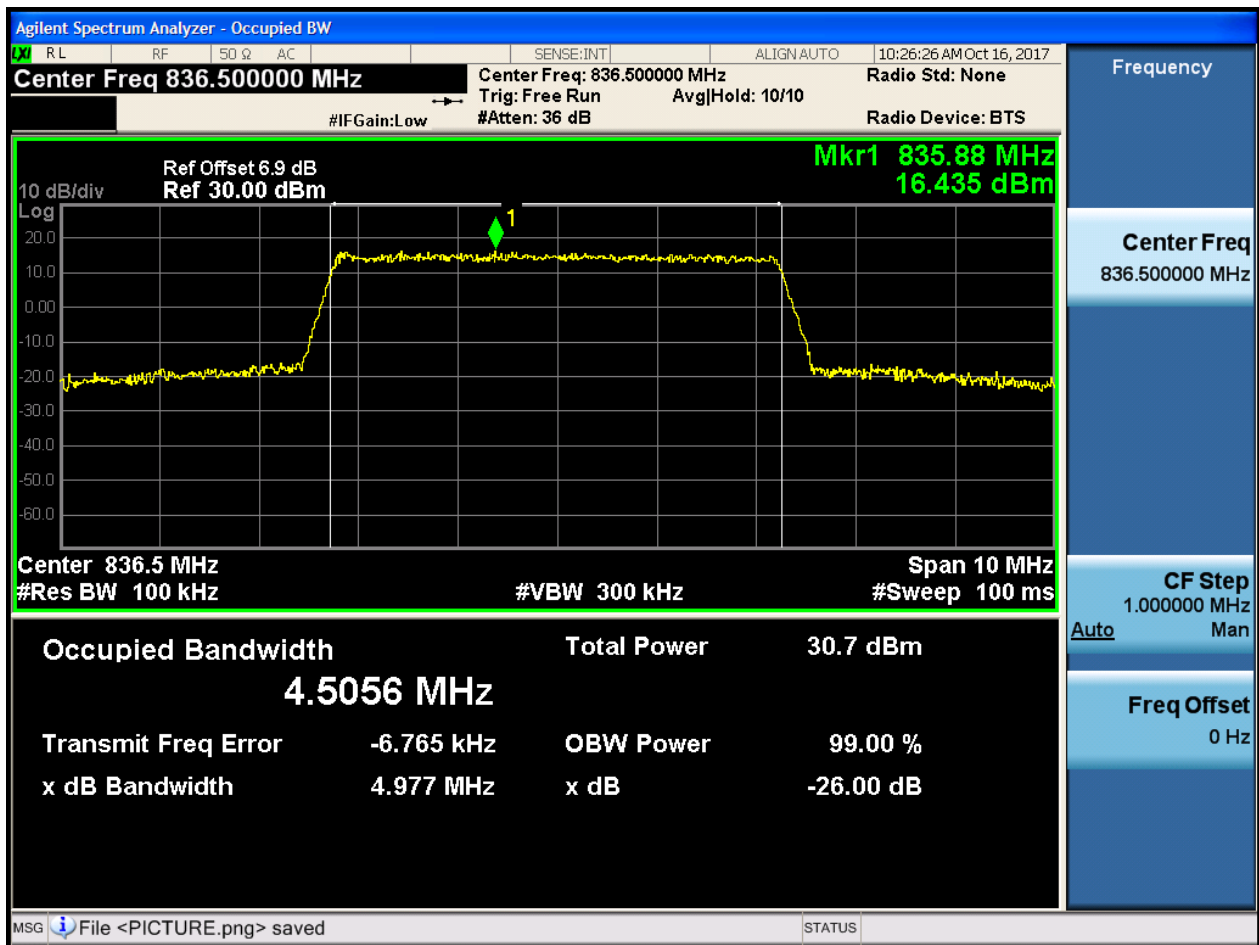
4.1.3.2.3.1.1 Test RB = RB25#0





4.1.3.2.3.2 Test Channel = MCH

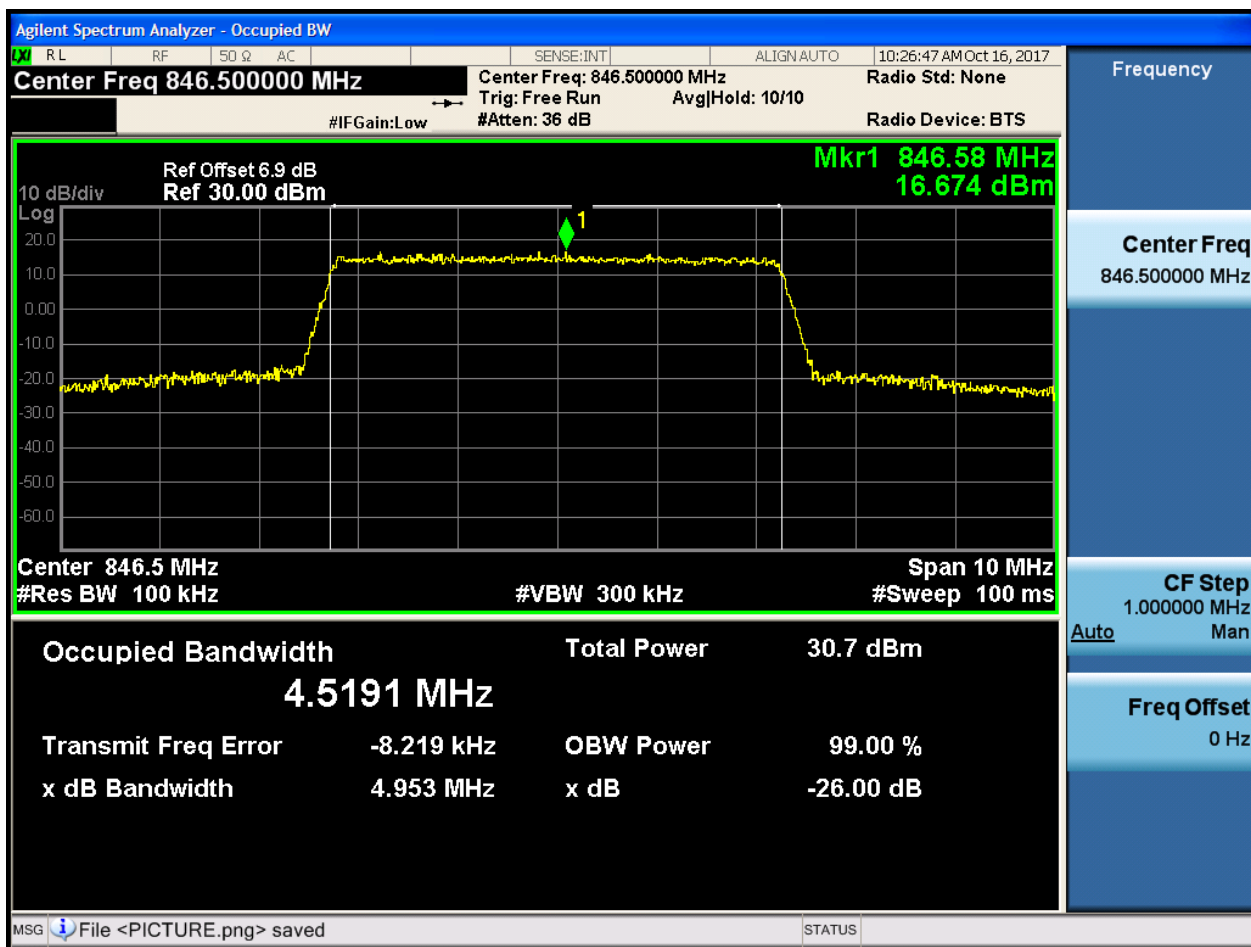
4.1.3.2.3.2.1 Test RB = RB25#0





4.1.3.2.3.3 Test Channel = HCH

4.1.3.2.3.3.1 Test RB = RB25#0

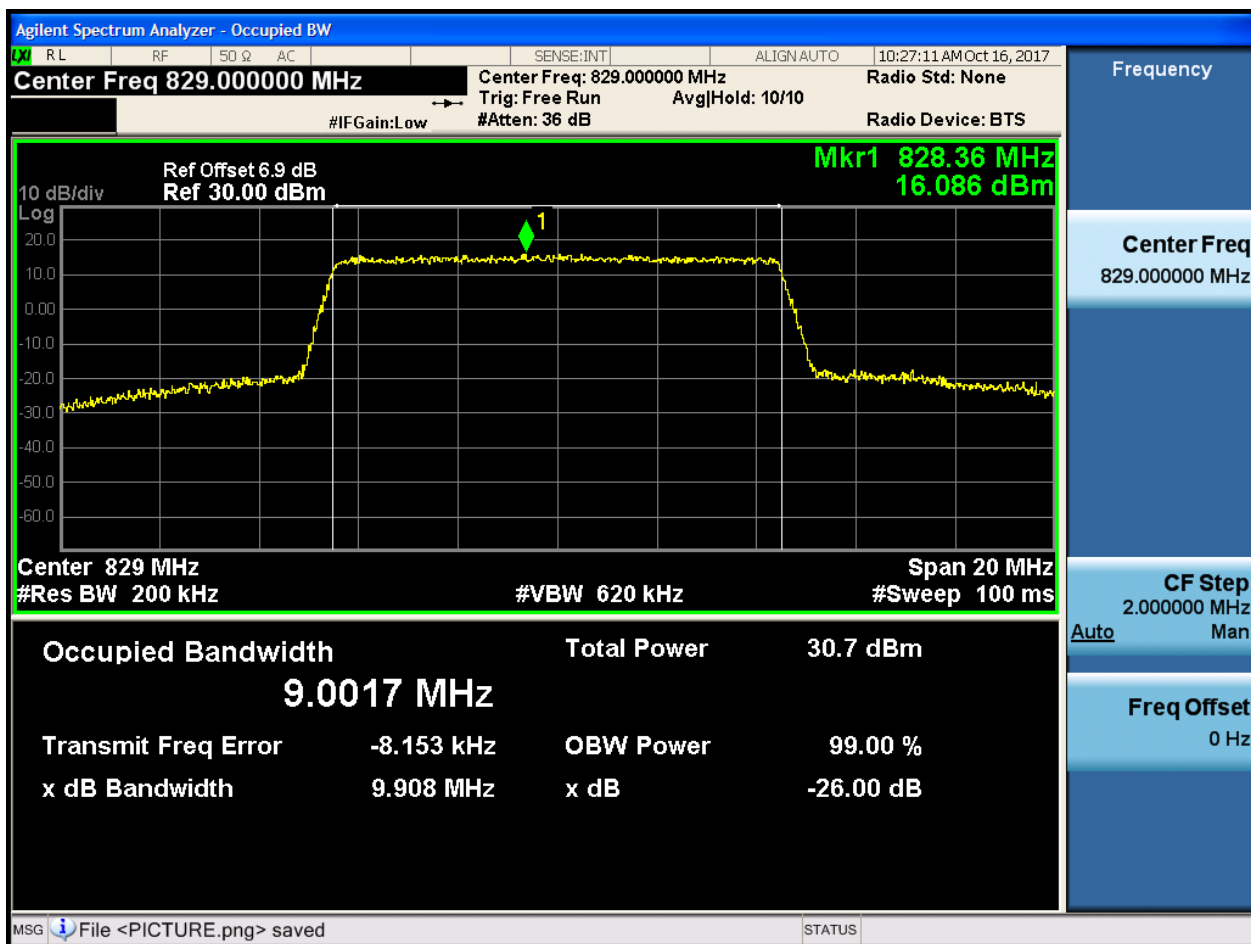




4.1.3.2.4 Test Bandwidth = 10

4.1.3.2.4.1 Test Channel = LCH

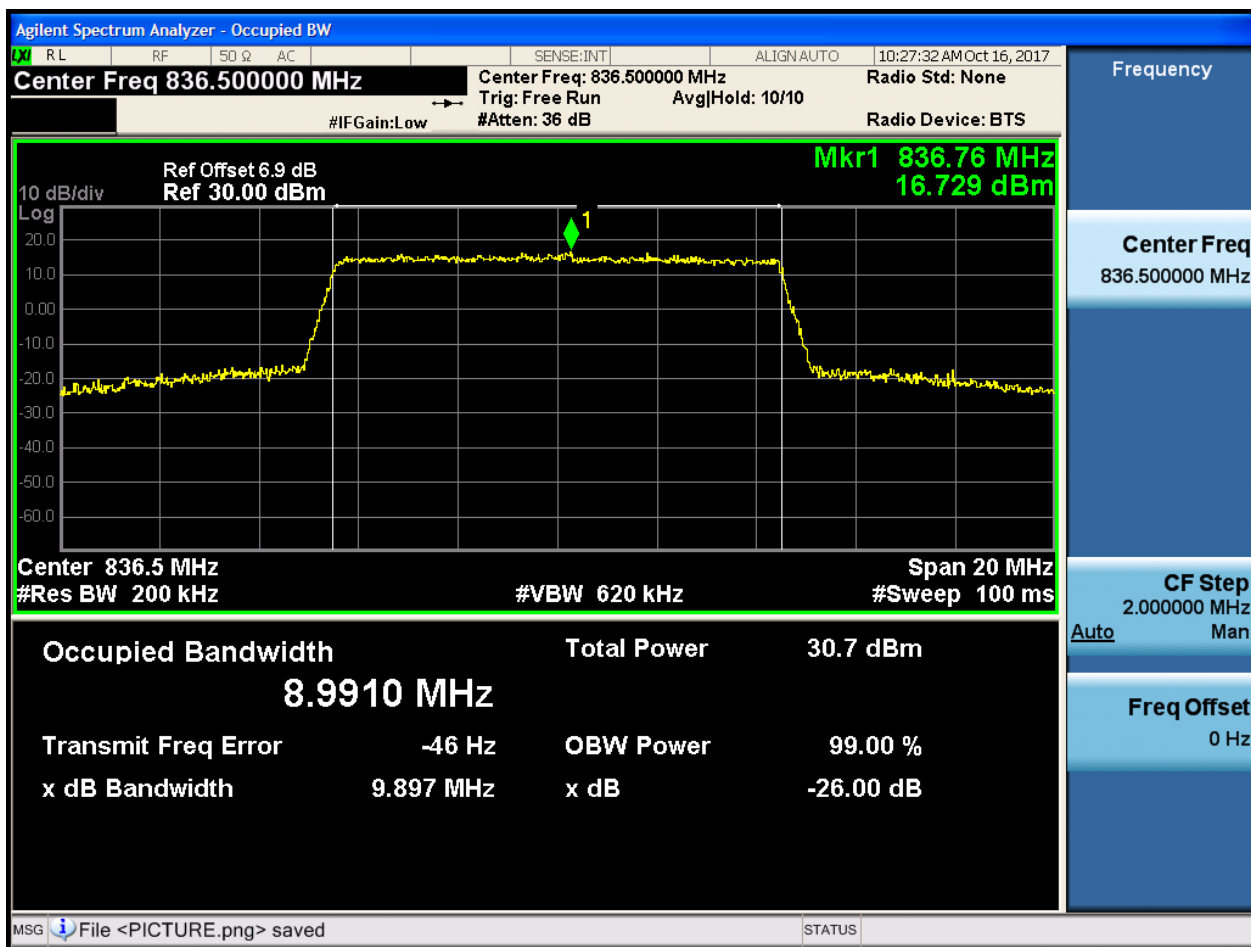
4.1.3.2.4.1.1 Test RB = RB50#0





4.1.3.2.4.2 Test Channel = MCH

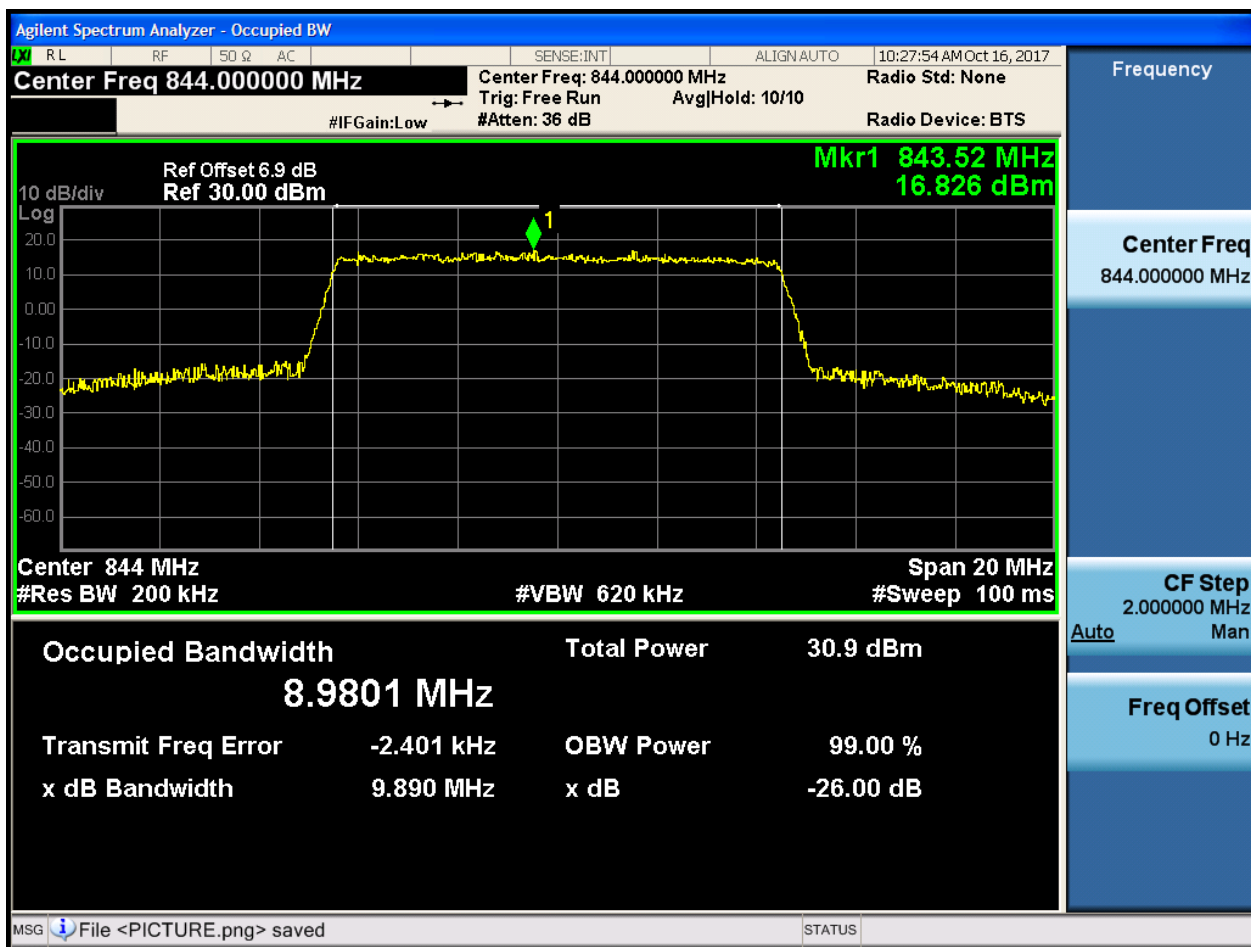
4.1.3.2.4.2.1 Test RB = RB50#0





4.1.3.2.4.3 Test Channel = HCH

4.1.3.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

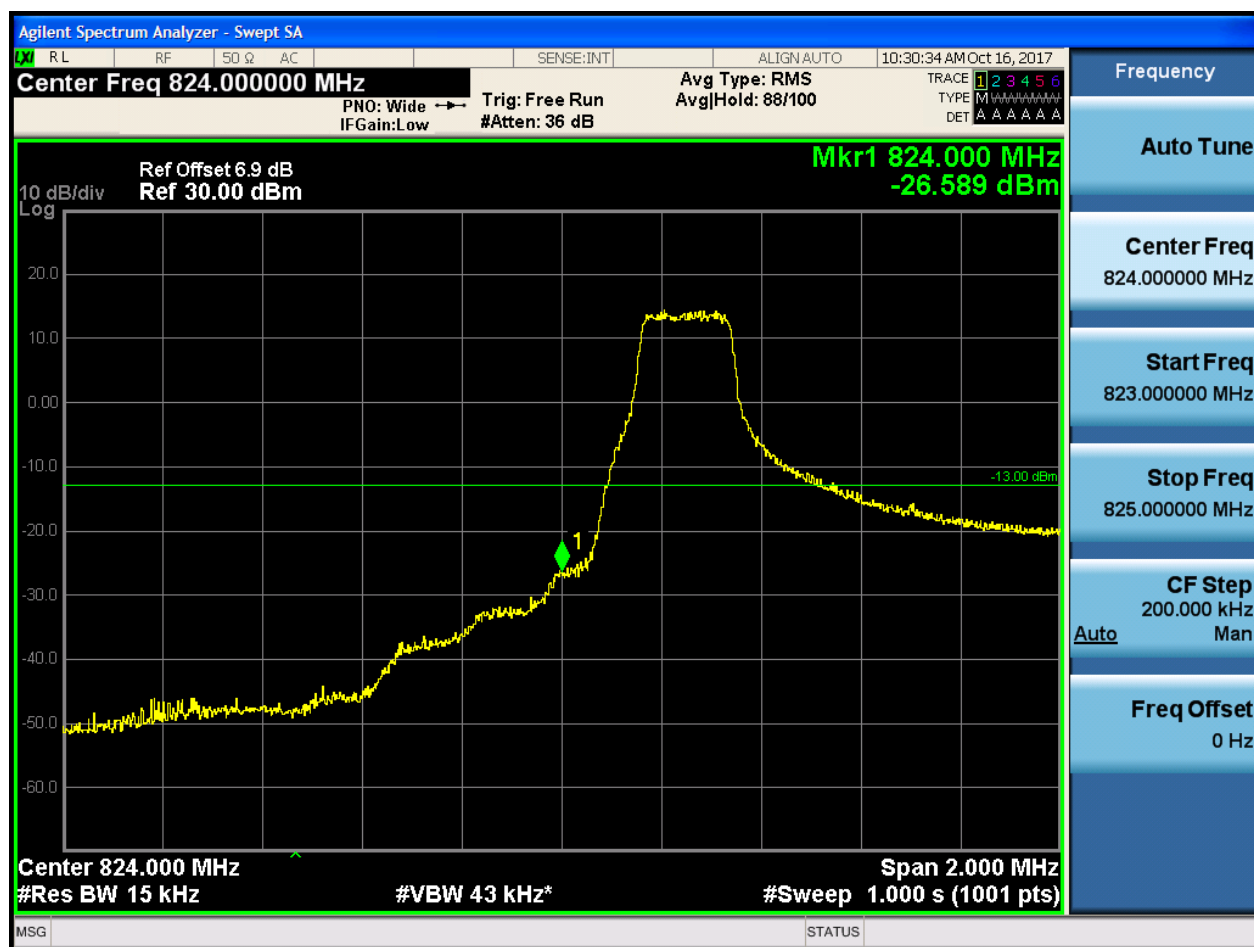
5.1.1 Test Band = BAND5

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





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-31.919 dBm

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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 10:32:04 AM Oct 16, 2017

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

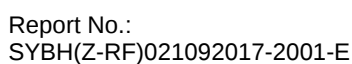
10 dB/div Log Ref Offset 6.9 dB Ref 30.00 dBm Mkr1 823.880 MHz -34.604 dBm

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

MSG STATUS

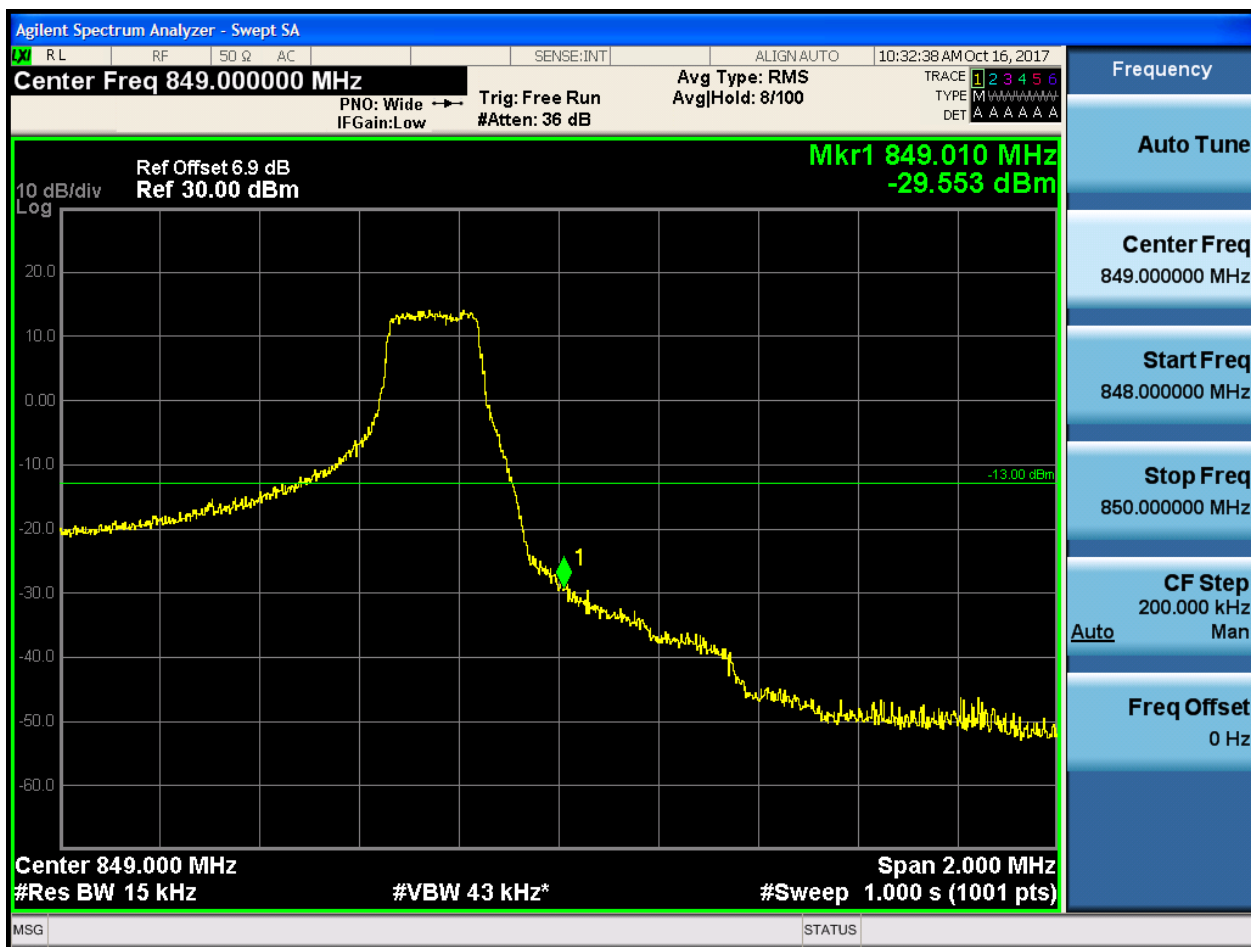


5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.1.2.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.100 MHz
-35.894 dBm

Center 849.000 MHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 8/100

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

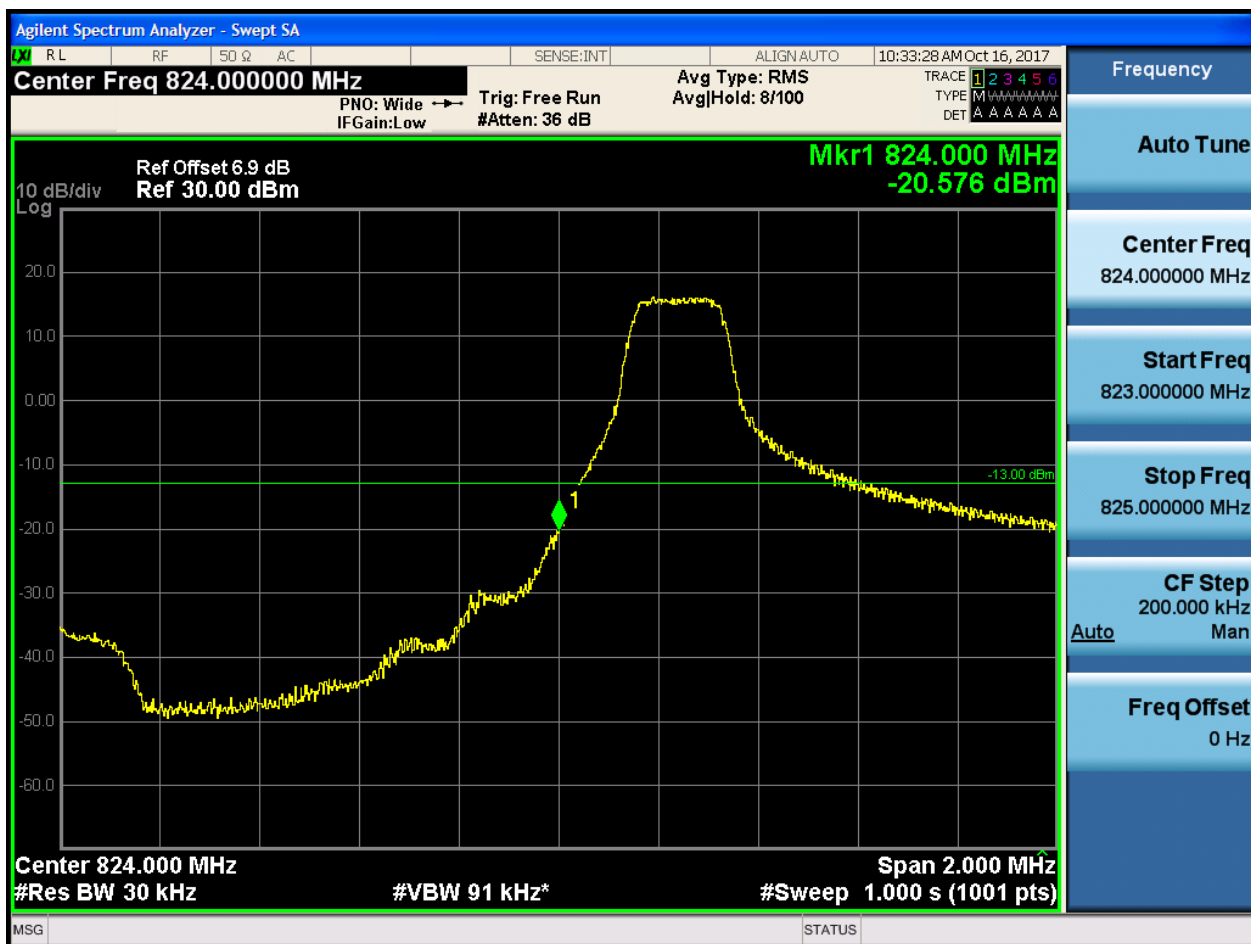
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

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 10:33:43 AM Oct 16, 2017

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 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-34.382 dBm

10 dB/div
Log

-13.00 dBm

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 10:33:57 AM Oct 16, 2017

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 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-33.812 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

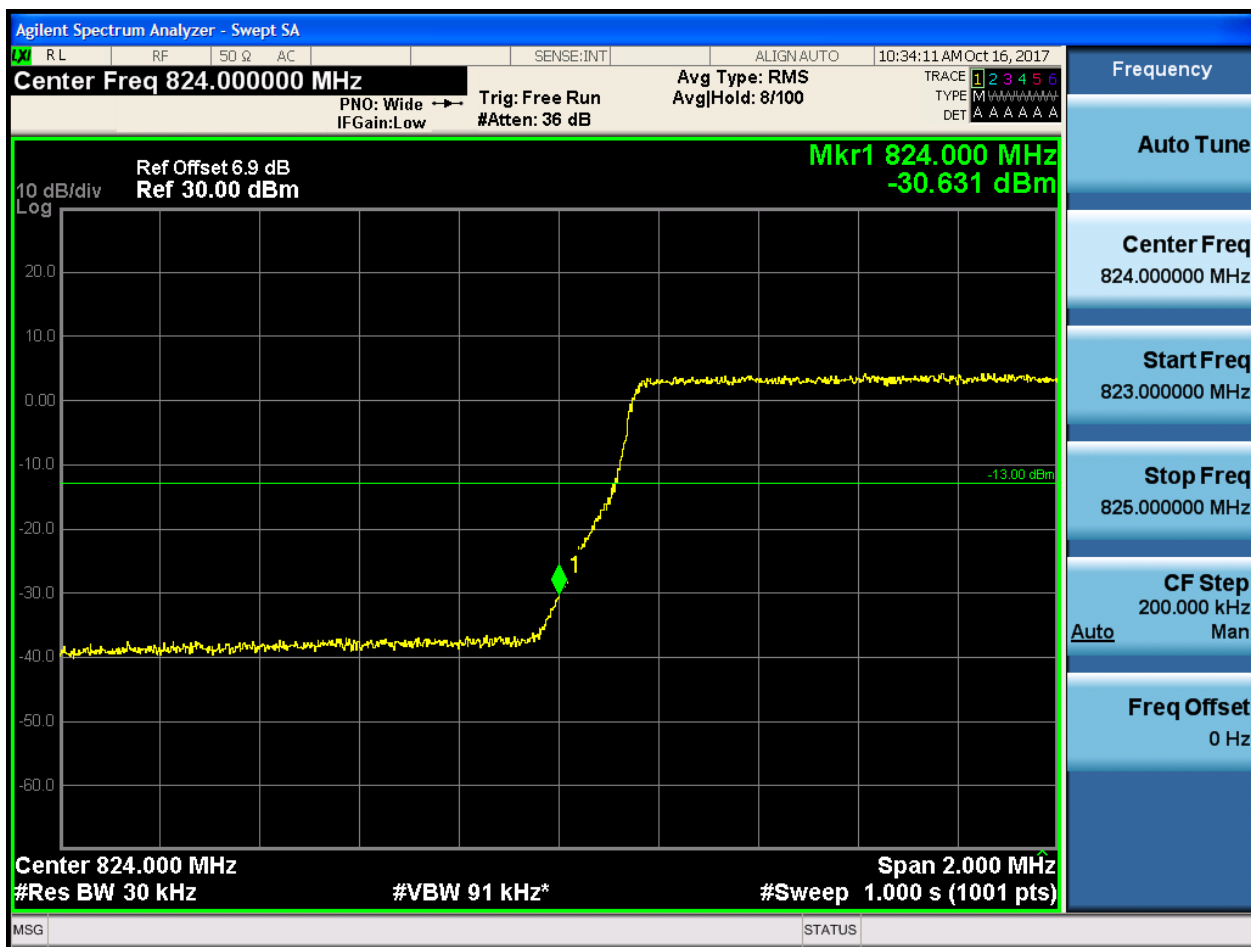
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.1.4 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

PNO: Wide → Trig: Free Run
IFGain:Low #Atten: 36 dB

Avg Type: RMS
Avg/Hold: 8/100

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 6.9 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-33.868 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 <u>Auto</u> Man
Freq Offset 0 Hz



5.1.1.1.2.2.4 Test RB = RB15#0

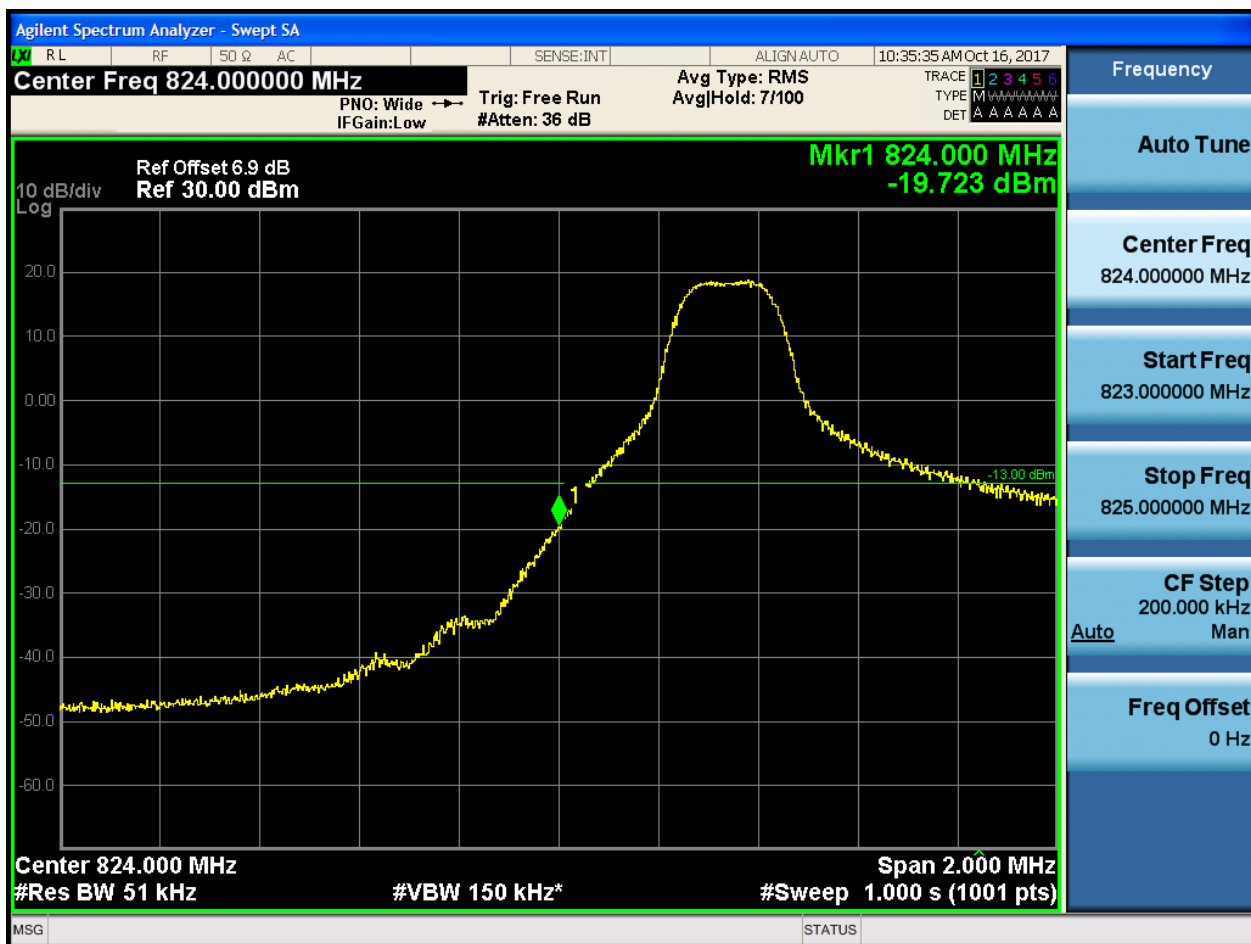




5.1.1.1.3 Test Bandwidth = 5

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 10:35:49 AM Oct 16, 2017

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 6.9 dB
Ref 30.00 dBm

Mkr1 823.990 MHz
-38.038 dBm

10 dB/div
Log

-13.00 dBm

Center 824.000 MHz Span 2.000 MHz
#Res BW 51 kHz #VBW 150 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



5.1.1.1.3.1.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 10:36:18 AM Oct 16, 2017

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

**Mkr1 824.000 MHz
-29.766 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

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

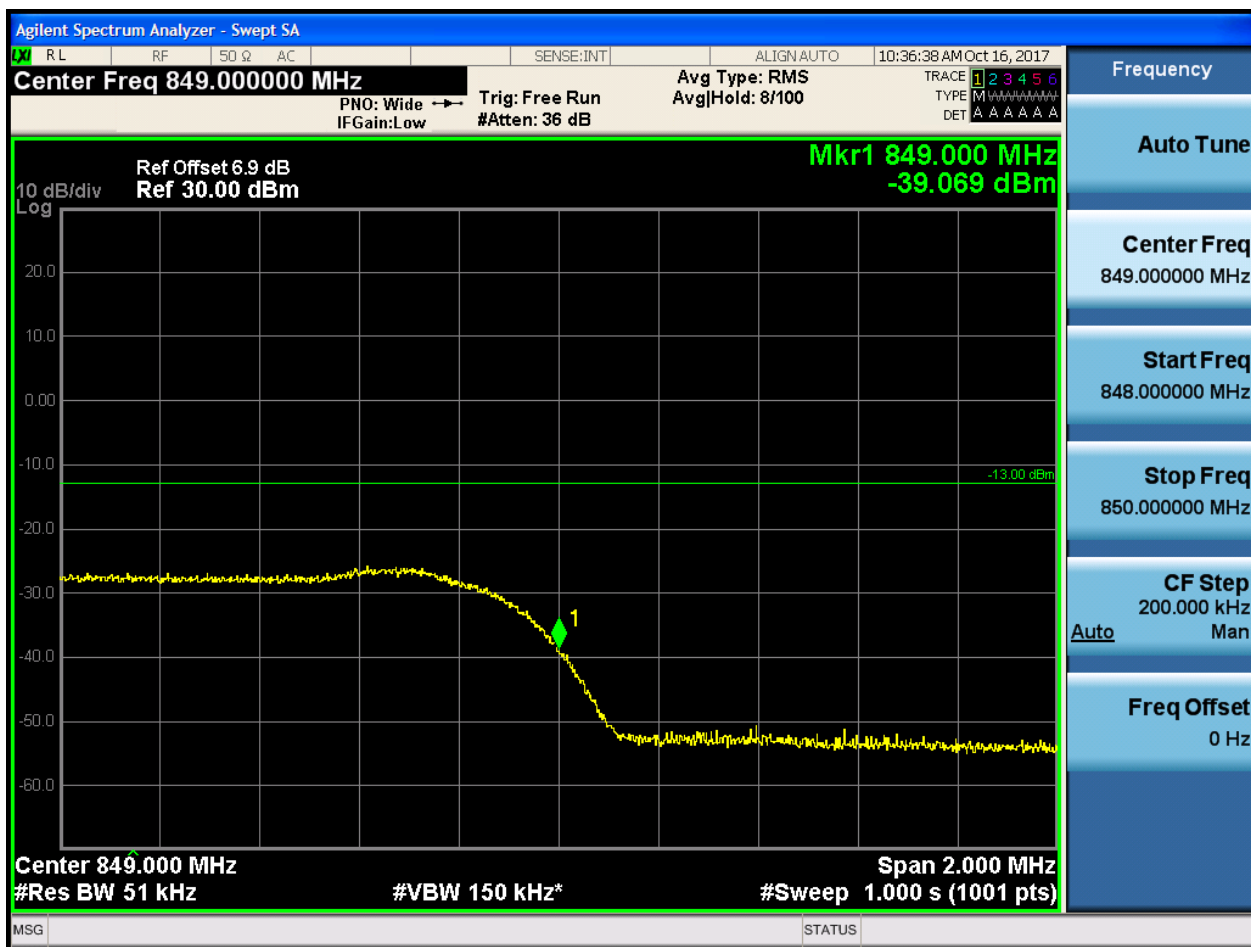
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.3.2 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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 10:37:21 AM Oct 16, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IF Gain: Low Trig: Free Run Avg Hold: 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 A

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-31.618 dBm

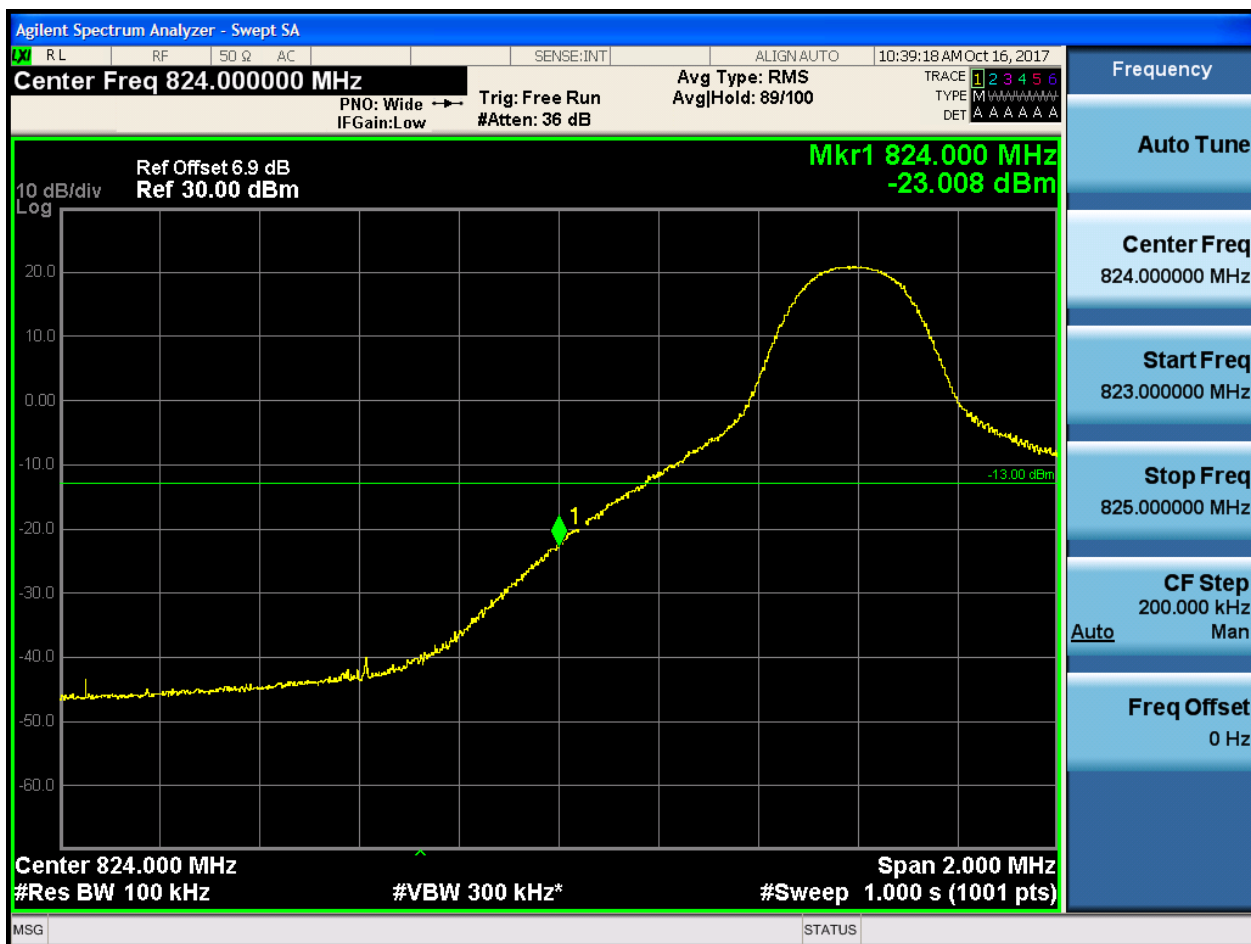
Center 849.000 MHz Span 2.000 MHz
#Res BW 51 kHz #VBW 150 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

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

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 823.990 MHz
-41.626 dBm

Center 824.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 10:40:22 AM Oct 16, 2017

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
DET A A A A A A

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 823.990 MHz
-33.779 dBm

10 dB/div
Log

-13.00 dBm

Center 824.000 MHz
#Res BW 100 kHz

#VBW 300 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

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-32.941 dBm

Center 824.000 MHz
#Res BW 100 kHz
#VBW 300 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

Freq Offset
0 Hz

Trig: Free Run
#Atten: 36 dB

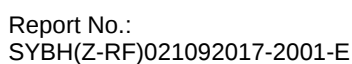
Avg Type: RMS
Avg/Hold: 8/100

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

MSG STATUS



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 10:41:31 AM Oct 16, 2017

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 6.9 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-34.007 dBm

10 dB/div
Log

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

Center Freq 849.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-32.745 dBm

Center 849.000 MHz
#Res BW 100 kHz
#VBW 300 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

Freq Offset
0 Hz

The image shows a screenshot of an Agilent Spectrum Analyzer in Swept SA mode. The main display is a log-scale spectrum plot with a grid. The horizontal axis represents frequency, and the vertical axis represents power in dBm. A yellow trace shows the signal spectrum, which is relatively flat at approximately 0 dBm from 848 MHz to 849 MHz, then drops sharply to about -32.7 dBm at 849 MHz, and remains flat thereafter. A green horizontal line is drawn at -13.00 dBm. A yellow marker '1' is placed on the trace at approximately 849.000 MHz. The top of the screen displays various settings: Center Freq 849.000000 MHz, Ref Offset 6.9 dB, Ref 30.00 dBm, 10 dB/div, Log, Mkr1 849.000 MHz, -32.745 dBm, Center 849.000 MHz, #Res BW 100 kHz, #VBW 300 kHz*, Span 2.000 MHz, #Sweep 1.000 s (1001 pts). The right side of the screen shows a control panel with buttons for Frequency, Auto Tune, Center Freq, Start Freq, Stop Freq, CF Step, and Freq Offset.

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





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 823.990 MHz
-33.571 dBm

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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 10:47:40 AM Oct 16, 2017

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

Mkr1 823.900 MHz
-33.801 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 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



[illegible]



Agilent Spectrum Analyzer - Swept SA

R L	RF	50 Ω AC	SENSE:INT	ALIGN AUTO	10:48:28 AM Oct 16, 2017
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Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 7/100
IFGain: Low #Atten: 36 dB TRACE 1 2 3 4 5 6
TYPE M W U H V I P A S D E C
DET A A A A A A

Ref Offset 6.9 dB **Mkr1 849.010 MHz**
Ref 30.00 dBm **-31.452 dBm**

10 dB/div Log

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



Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.120 MHz
-34.477 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

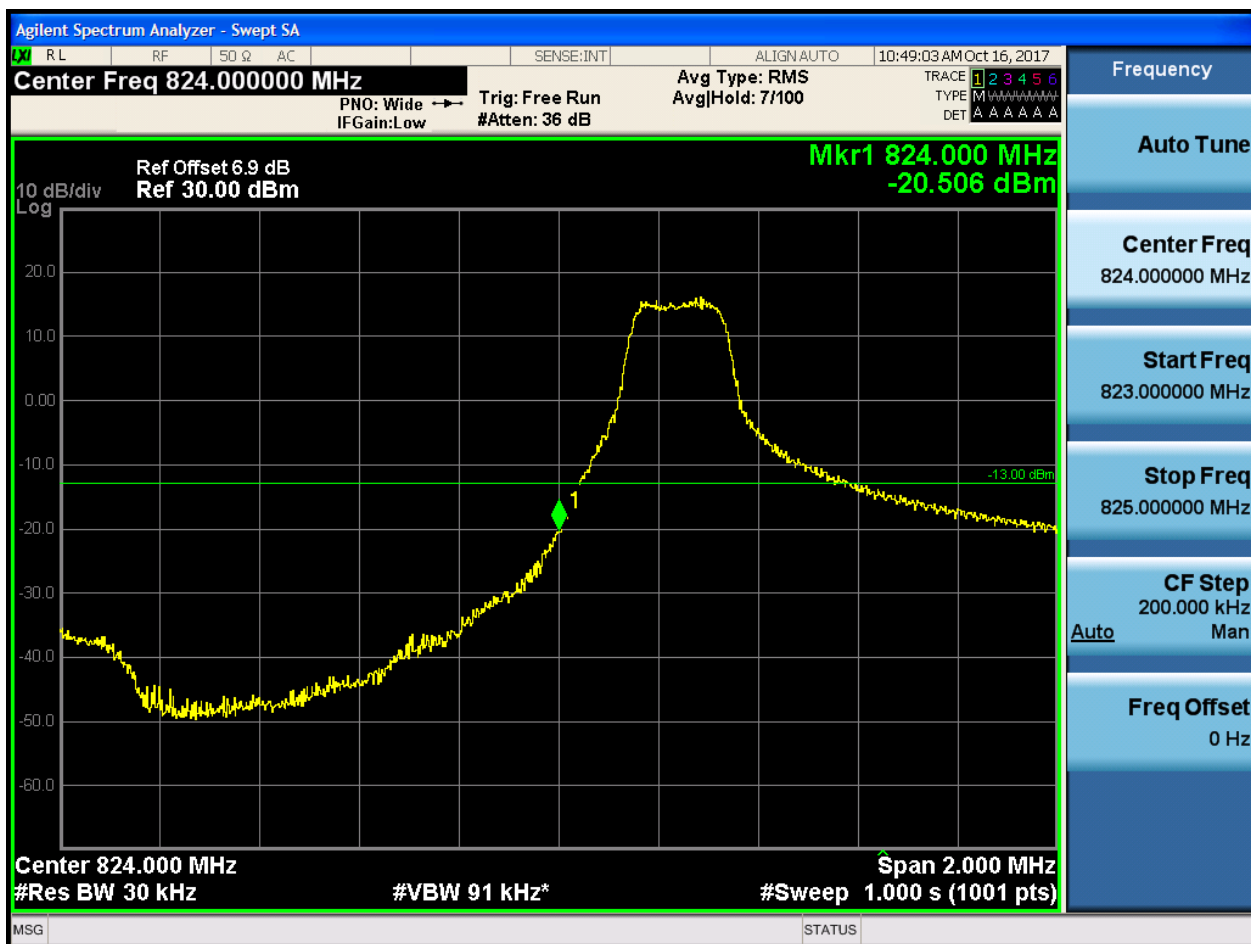
Freq Offset
0 Hz



5.1.1.2.2 Test Bandwidth = 3

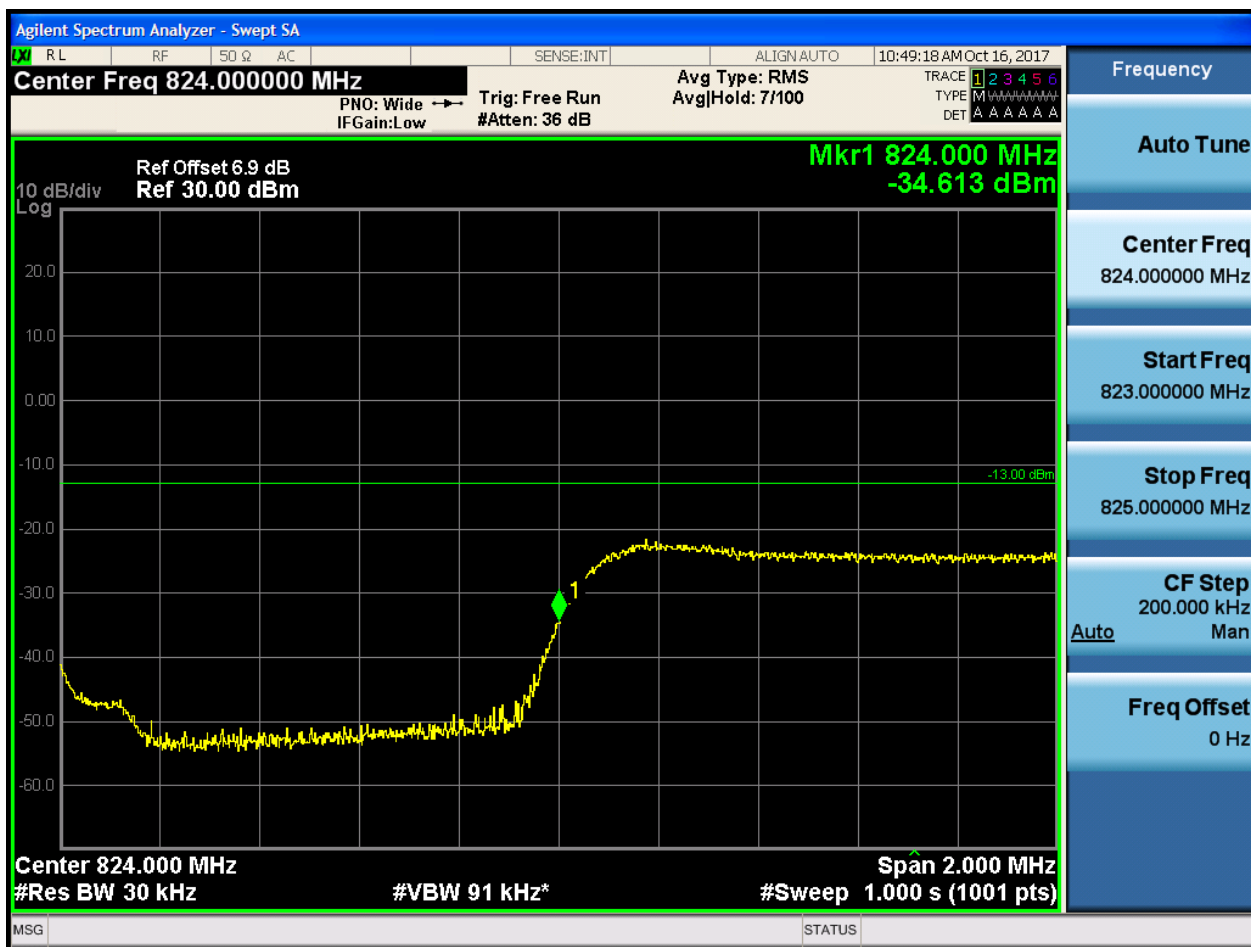
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14





5.1.1.2.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 10:49:45 AM Oct 16, 2017

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

10 dB/div
Log

Mkr1 824.000 MHz
-30.519 dBm

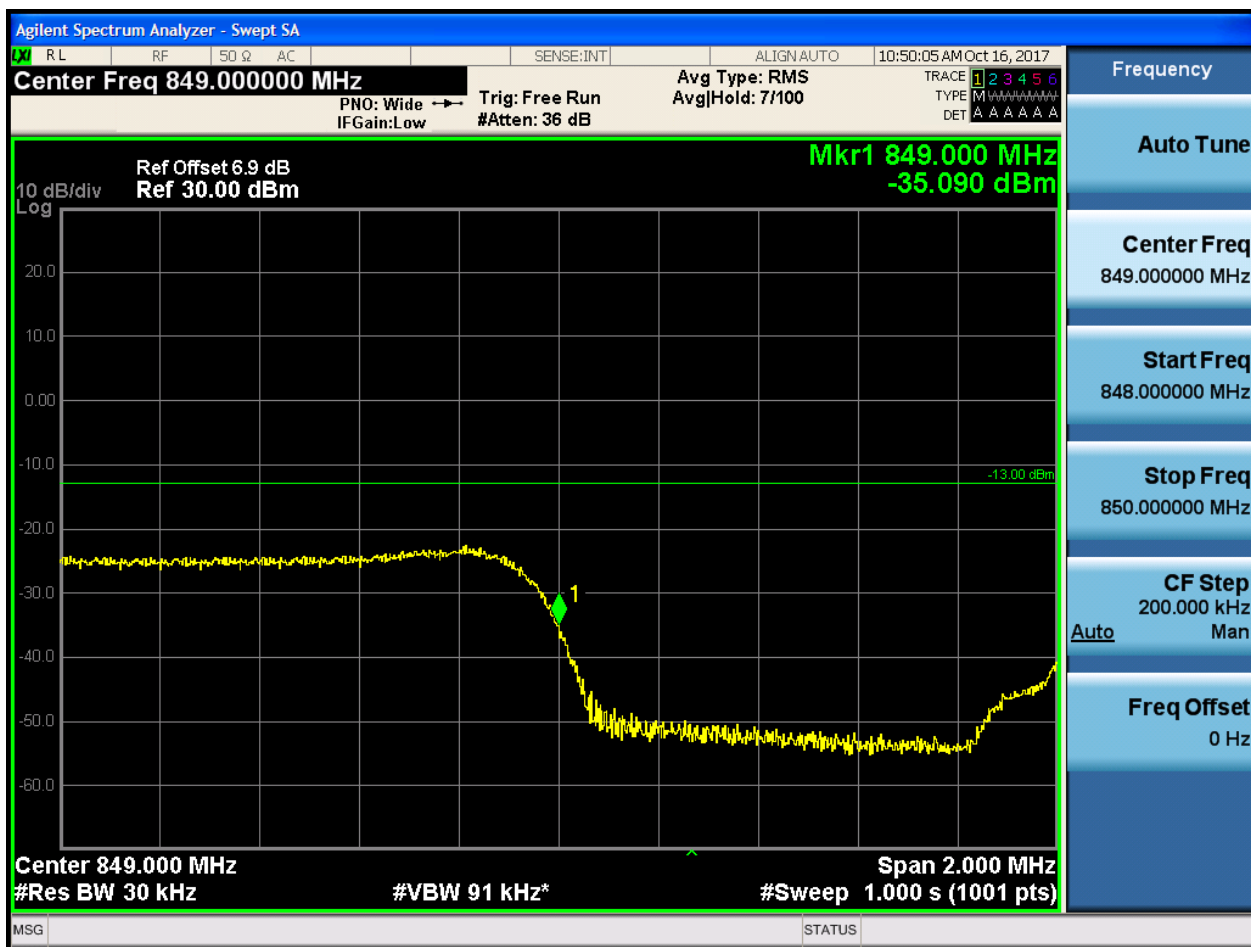
Center Freq 824.000000 MHz
Start Freq 823.000000 MHz
Stop Freq 825.000000 MHz
CF Step 200.000 kHz
Auto Man
Freq Offset 0 Hz

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

MSG STATUS

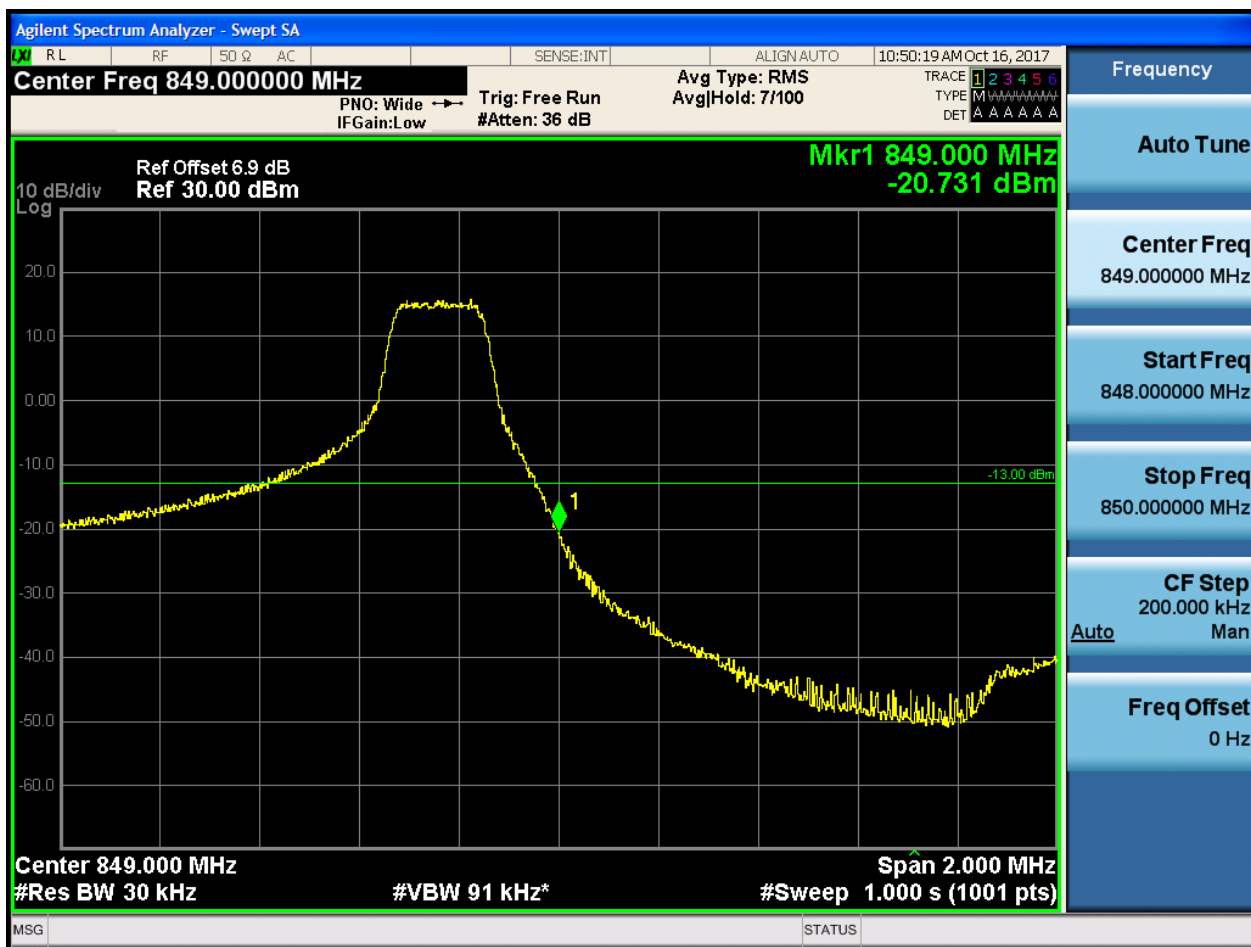
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 36 dB

Avg Type: RMS
Avg/Hold: 7/100

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 6.9 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-33.046 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 <u>Auto</u> Man
Freq Offset 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 10:50:47 AM Oct 16, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 7/100
#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 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-31.410 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

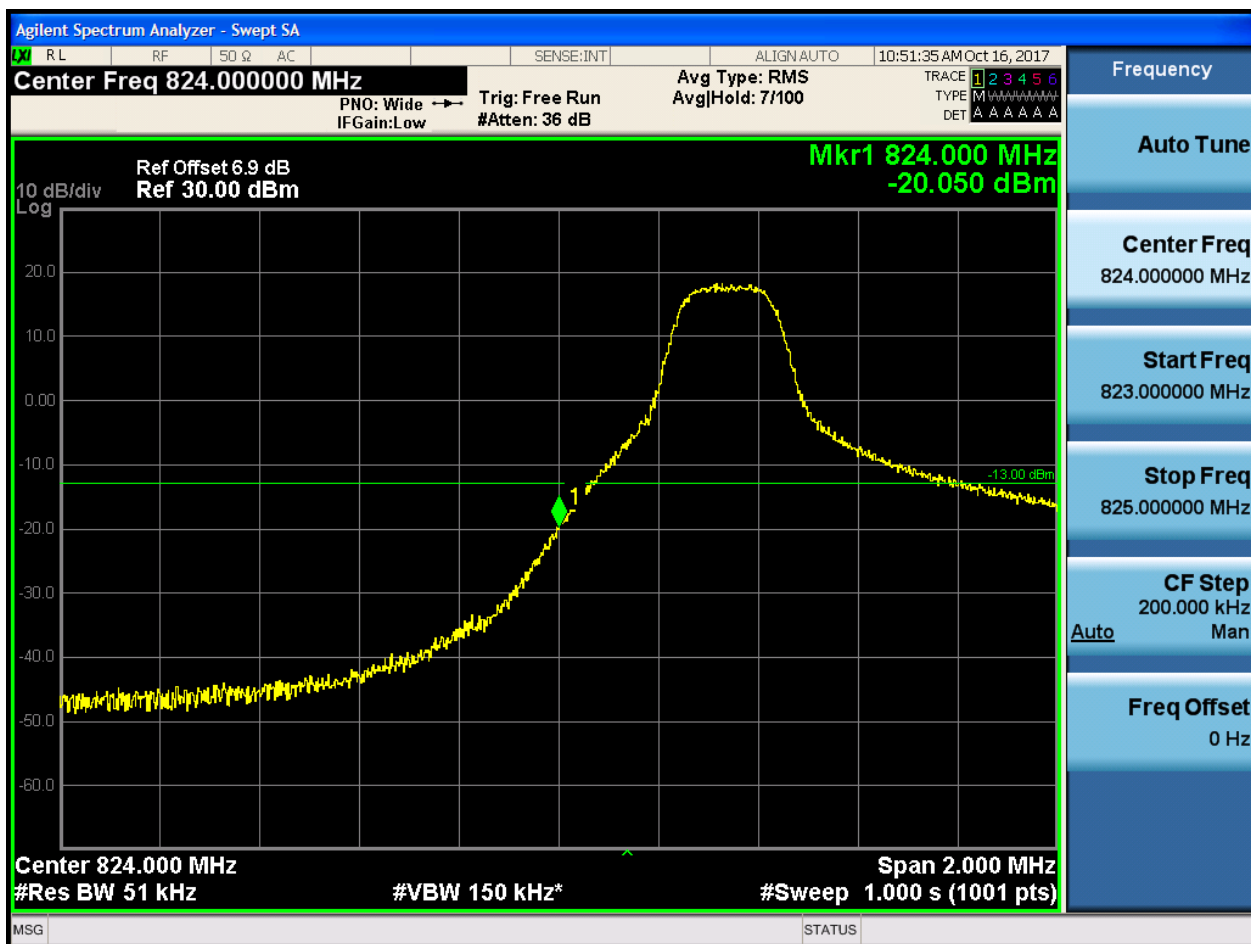
Freq Offset
0 Hz



5.1.1.2.3 Test Bandwidth = 5

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 10:52:28 AM Oct 16, 2017

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 M M M M M
DET A A A A A A

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-37.559 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)

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

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-33.088 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

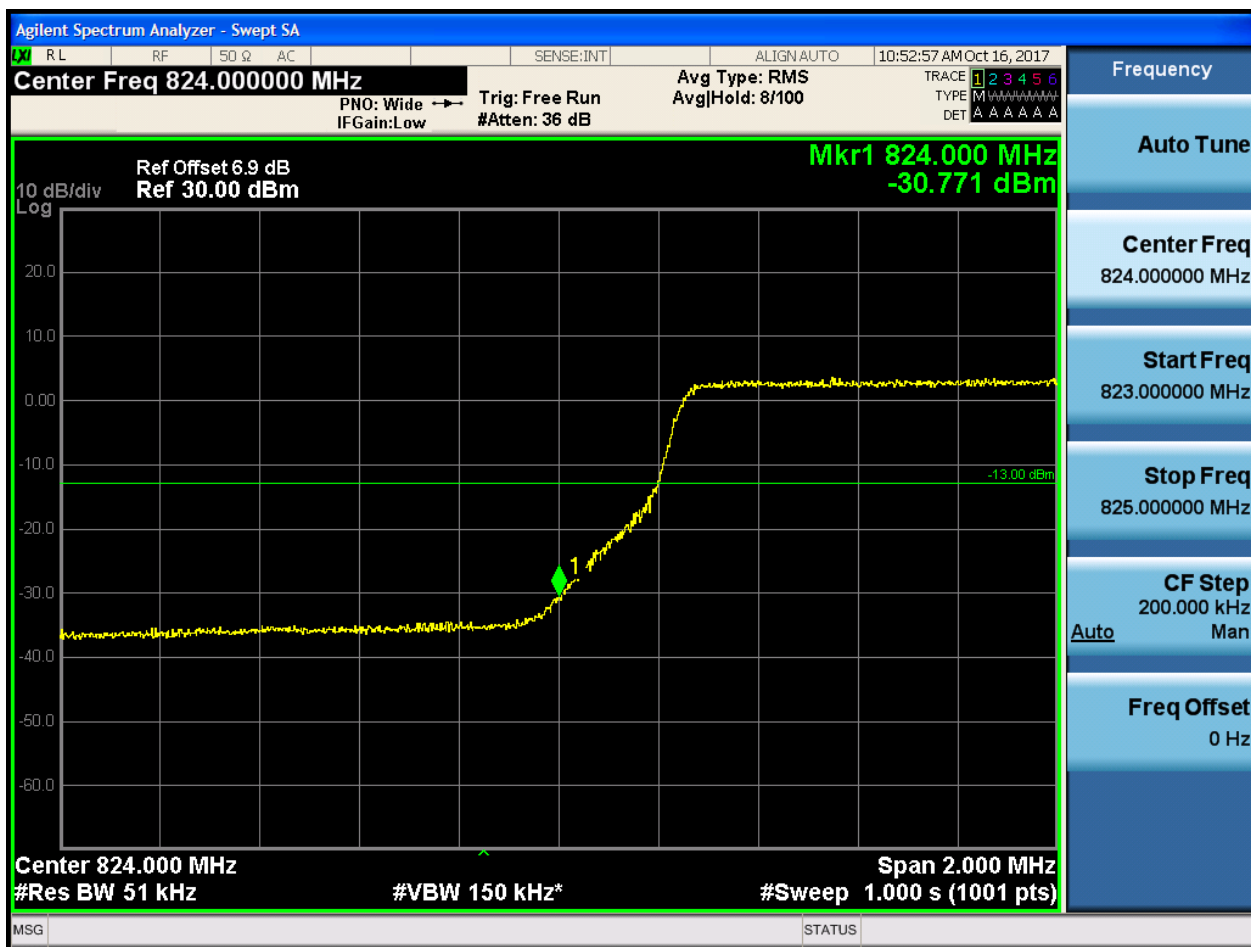
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



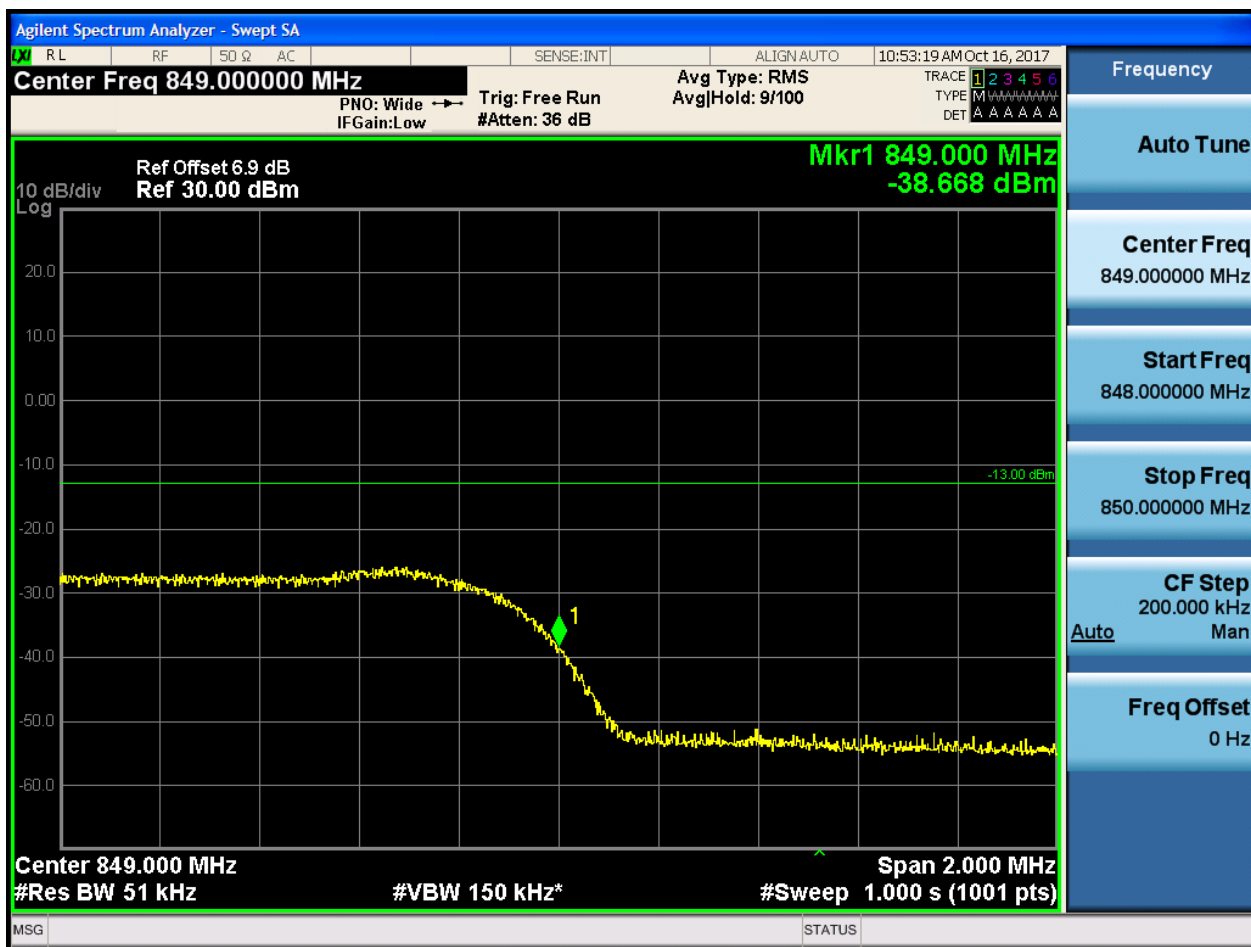
5.1.1.2.3.1.4 Test RB = RB25#0





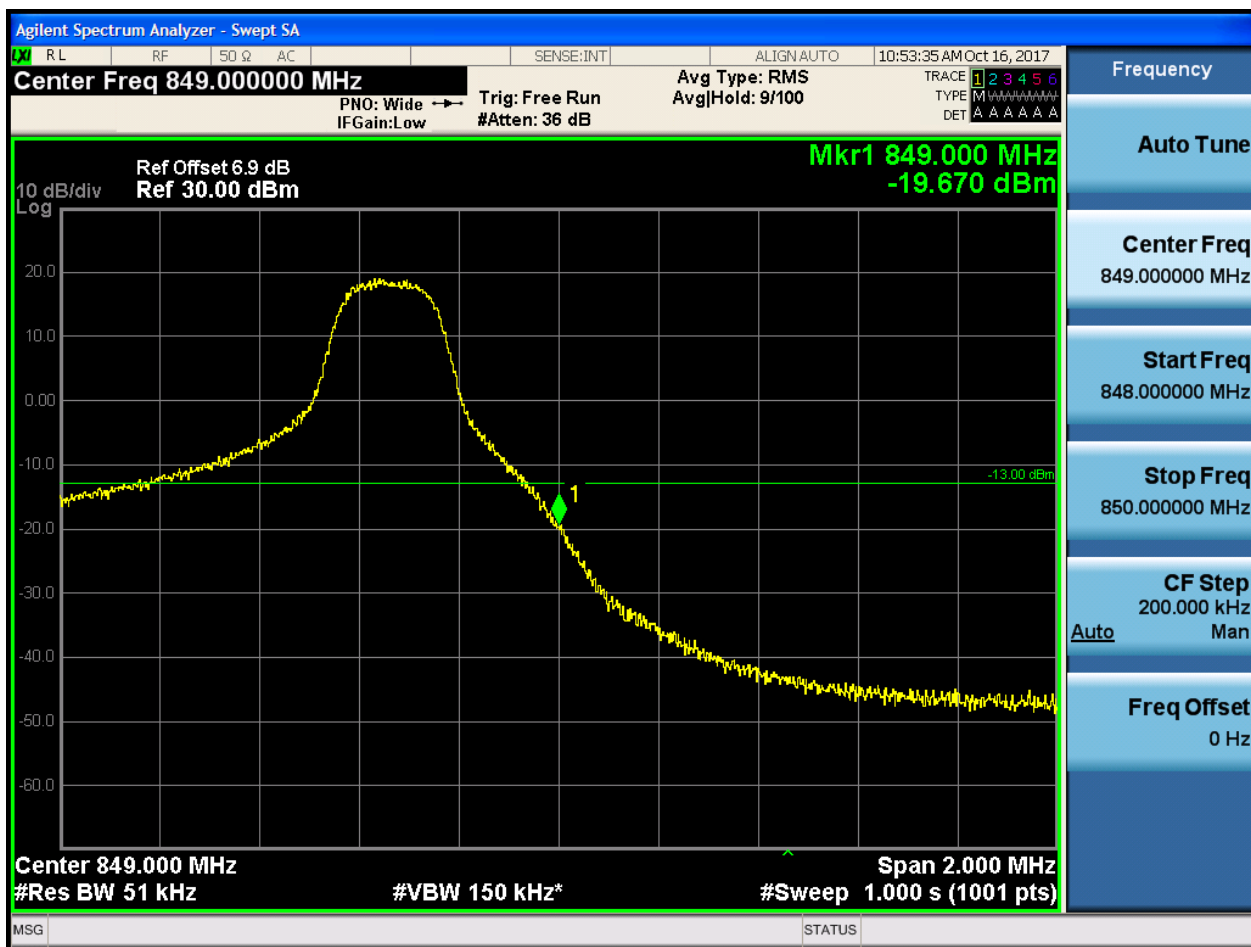
5.1.1.2.3.2 Test Channel = HCH

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 10:53:52 AM Oct 16, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.010 MHz
-33.887 dBm

-13.00 dBm

Center 849.000 MHz
#Res BW 51 kHz

#VBW 150 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 10:54:08 AM Oct 16, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 6.9 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-31.339 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

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

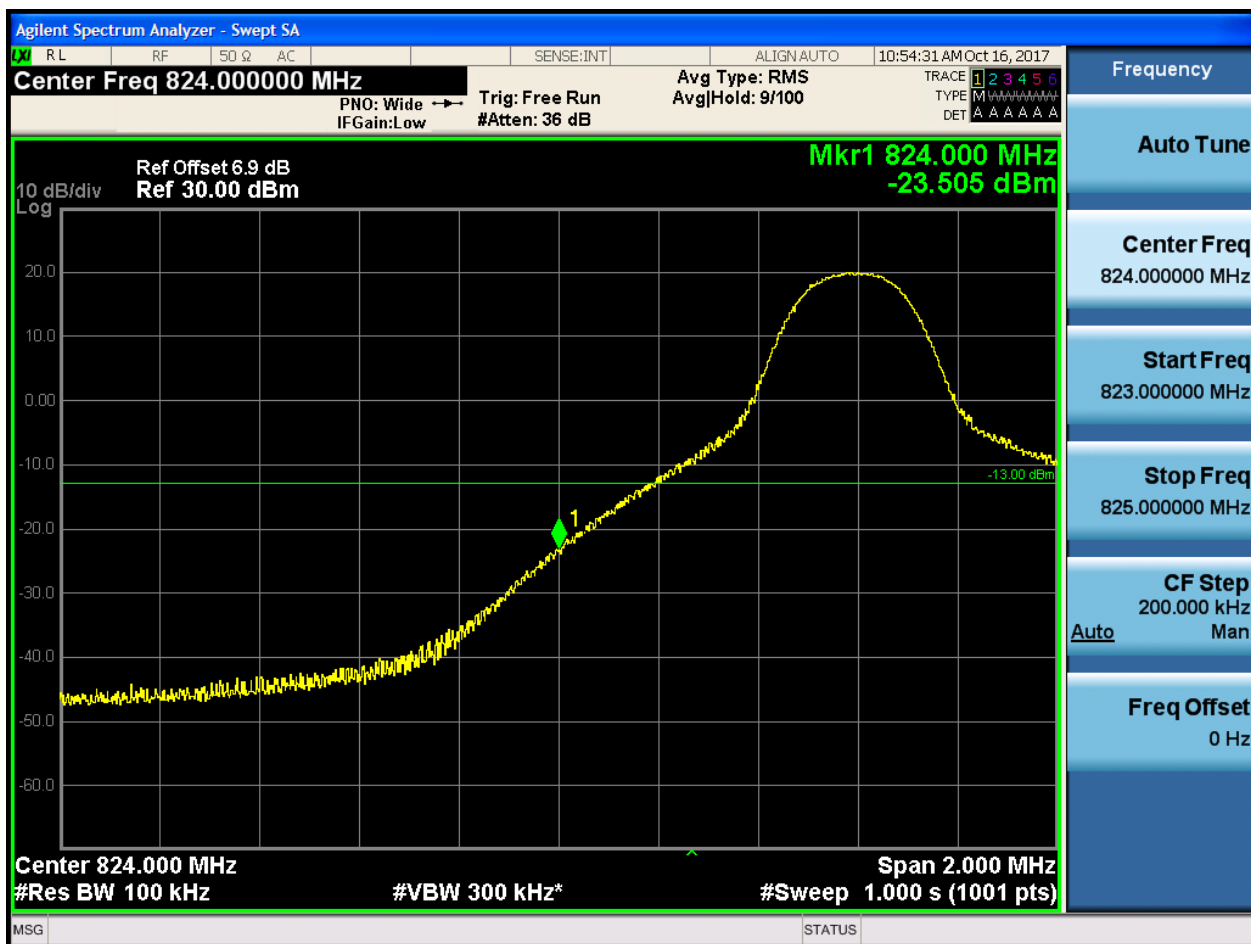
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.2.4 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 10:55:03 AM Oct 16, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-34.191 dBm

10 dB/div
Log

-13.00 dBm

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 10:55:19 AM Oct 16, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 6.9 dB
Ref 30.00 dBm

Mkr1 823.960 MHz
-33.652 dBm

10 dB/div
Log

Center 824.000 MHz Span 2.000 MHz
#Res BW 100 kHz #VBW 300 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

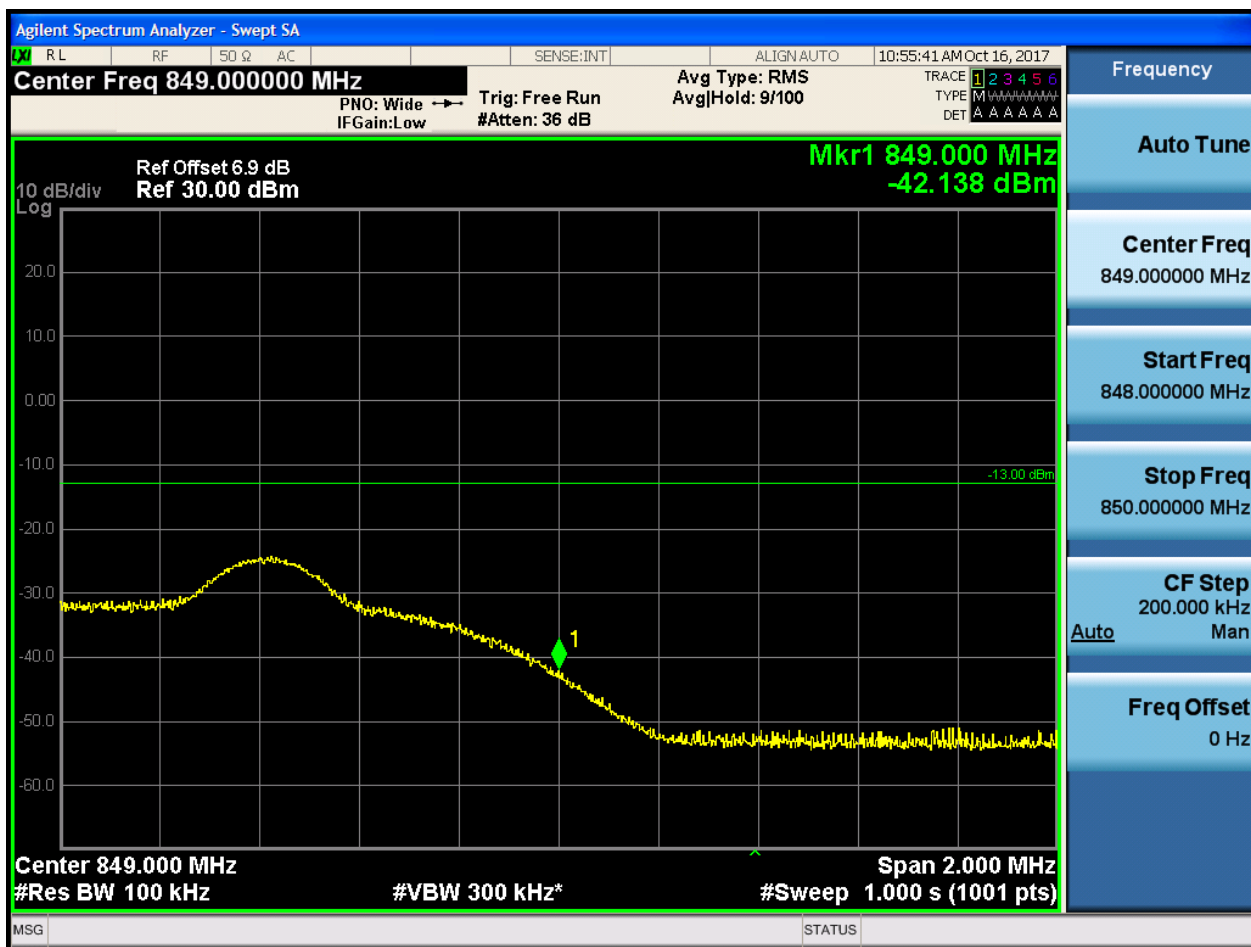
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 9/100

MRk1 849.010 MHz
-24.060 dBm

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 10:56:14 AM Oct 16, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 6.9 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-34.104 dBm

10 dB/div
Log

The spectrum analyzer display shows a swept spectrum from 848.000000 MHz to 850.000000 MHz. The vertical axis represents power in dBm, ranging from -60.0 to 20.0 dBm. The horizontal axis represents frequency in MHz. A yellow trace shows the signal level, which is relatively flat around -34 dBm. A green marker labeled '1' is placed on the trace at 849.000 MHz. A horizontal green line is drawn at -13.00 dBm. The display includes various settings and parameters such as Center Freq, Span, Res BW, and VBW.

Center 849.000 MHz
#Res BW 100 kHz
#VBW 300 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

MSG STATUS