



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	21.98	16.93	38.5	PASS
				RB1#3	21.97	16.92	38.5	PASS
				RB1#5	21.9	16.85	38.5	PASS
				RB3#0	21.96	16.91	38.5	PASS
				RB3#2	21.96	16.91	38.5	PASS
				RB3#3	21.96	16.91	38.5	PASS
				RB6#0	21.05	16	38.5	PASS
			MCH	RB1#0	22.02	16.97	38.5	PASS
				RB1#3	22.22	17.17	38.5	PASS
				RB1#5	22.12	17.07	38.5	PASS
				RB3#0	22.18	17.13	38.5	PASS
				RB3#2	22.23	17.18	38.5	PASS
				RB3#3	22.19	17.14	38.5	PASS
				RB6#0	21.27	16.22	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.93	16.88	38.5	PASS
				RB1#3	22	16.95	38.5	PASS
				RB1#5	21.85	16.8	38.5	PASS
				RB3#0	21.95	16.9	38.5	PASS
				RB3#2	21.95	16.9	38.5	PASS
				RB3#3	21.83	16.78	38.5	PASS
				RB6#0	21.07	16.02	38.5	PASS
		3	LCH	RB1#0	21.8	16.75	38.5	PASS
				RB1#7	22.11	17.06	38.5	PASS
				RB1#14	21.63	16.58	38.5	PASS
				RB8#0	21.18	16.13	38.5	PASS
				RB8#4	21.16	16.11	38.5	PASS
				RB8#7	21.02	15.97	38.5	PASS
				RB15#0	21.11	16.06	38.5	PASS
			MCH	RB1#0	21.82	16.77	38.5	PASS
				RB1#7	22.33	17.28	38.5	PASS
				RB1#14	21.97	16.92	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.18	16.13	38.5	PASS
				RB8#4	21.29	16.24	38.5	PASS
				RB8#7	21.19	16.14	38.5	PASS
				RB15#0	21.21	16.16	38.5	PASS
			HCH	RB1#0	21.77	16.72	38.5	PASS
				RB1#7	22.08	17.03	38.5	PASS
				RB1#14	21.71	16.66	38.5	PASS
				RB8#0	20.96	15.91	38.5	PASS
				RB8#4	21.11	16.06	38.5	PASS
				RB8#7	20.99	15.94	38.5	PASS
				RB15#0	21.01	15.96	38.5	PASS
		5	LCH	RB1#0	21.82	16.77	38.5	PASS
				RB1#13	22	16.95	38.5	PASS
				RB1#24	21.74	16.69	38.5	PASS
				RB12#0	21.22	16.17	38.5	PASS
				RB12#6	21.1	16.05	38.5	PASS
				RB12#13	20.91	15.86	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21	15.95	38.5	PASS
			MCH	RB1#0	21.73	16.68	38.5	PASS
				RB1#13	22.3	17.25	38.5	PASS
				RB1#24	22.09	17.04	38.5	PASS
				RB12#0	21.12	16.07	38.5	PASS
				RB12#6	21.31	16.26	38.5	PASS
				RB12#13	21.18	16.13	38.5	PASS
				RB25#0	21.11	16.06	38.5	PASS
			HCH	RB1#0	21.63	16.58	38.5	PASS
				RB1#13	21.84	16.79	38.5	PASS
				RB1#24	21.7	16.65	38.5	PASS
				RB12#0	20.94	15.89	38.5	PASS
				RB12#6	21	15.95	38.5	PASS
				RB12#13	20.9	15.85	38.5	PASS
				RB25#0	20.98	15.93	38.5	PASS
		10	LCH	RB1#0	22.54	17.49	38.5	PASS
				RB1#25	22.46	17.41	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.17	17.12	38.5	PASS
				RB25#0	21.47	16.42	38.5	PASS
				RB25#13	21.56	16.51	38.5	PASS
				RB25#25	21.2	16.15	38.5	PASS
				RB50#0	21.27	16.22	38.5	PASS
			MCH	RB1#0	22.26	17.21	38.5	PASS
				RB1#25	22.74	17.69	38.5	PASS
				RB1#49	22.55	17.5	38.5	PASS
				RB25#0	21.49	16.44	38.5	PASS
				RB25#13	21.72	16.67	38.5	PASS
				RB25#25	21.63	16.58	38.5	PASS
				RB50#0	21.53	16.48	38.5	PASS
			HCH	RB1#0	22.84	17.79	38.5	PASS
				RB1#25	22.58	17.53	38.5	PASS
				RB1#49	22.3	17.25	38.5	PASS
				RB25#0	21.77	16.72	38.5	PASS
				RB25#13	21.59	16.54	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.33	16.28	38.5	PASS
				RB50#0	21.62	16.57	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.14	16.09	38.5	PASS
				RB1#3	21.37	16.32	38.5	PASS
				RB1#5	21.09	16.04	38.5	PASS
				RB3#0	21.24	16.19	38.5	PASS
				RB3#2	21.26	16.21	38.5	PASS
				RB3#3	21.26	16.21	38.5	PASS
				RB6#0	21.19	16.14	38.5	PASS
			MCH	RB1#0	21.33	16.28	38.5	PASS
				RB1#3	21.49	16.44	38.5	PASS
				RB1#5	21.37	16.32	38.5	PASS
				RB3#0	21.4	16.35	38.5	PASS
				RB3#2	21.27	16.22	38.5	PASS
				RB3#3	21.41	16.36	38.5	PASS
				RB6#0	21.38	16.33	38.5	PASS
			HCH	RB1#0	21.01	15.96	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#3	21.12	16.07	38.5	PASS
				RB1#5	20.98	15.93	38.5	PASS
				RB3#0	21.25	16.2	38.5	PASS
				RB3#2	21.14	16.09	38.5	PASS
				RB3#3	21.03	15.98	38.5	PASS
				RB6#0	21.15	16.1	38.5	PASS
		3	LCH	RB1#0	20.96	15.91	38.5	PASS
				RB1#7	21.29	16.24	38.5	PASS
				RB1#14	20.81	15.76	38.5	PASS
				RB8#0	21.22	16.17	38.5	PASS
				RB8#4	21.18	16.13	38.5	PASS
				RB8#7	21.07	16.02	38.5	PASS
				RB15#0	21.12	16.07	38.5	PASS
			MCH	RB1#0	20.99	15.94	38.5	PASS
				RB1#7	21.43	16.38	38.5	PASS
				RB1#14	21.14	16.09	38.5	PASS
				RB8#0	21.19	16.14	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#4	21.25	16.2	38.5	PASS
				RB8#7	21.23	16.18	38.5	PASS
				RB15#0	21.1	16.05	38.5	PASS
			HCH	RB1#0	21.18	16.13	38.5	PASS
				RB1#7	21.47	16.42	38.5	PASS
				RB1#14	21.06	16.01	38.5	PASS
				RB8#0	20.98	15.93	38.5	PASS
				RB8#4	21.13	16.08	38.5	PASS
				RB8#7	20.98	15.93	38.5	PASS
				RB15#0	20.98	15.93	38.5	PASS
		5	LCH	RB1#0	20.99	15.94	38.5	PASS
				RB1#13	21.18	16.13	38.5	PASS
				RB1#24	20.83	15.78	38.5	PASS
				RB12#0	21.15	16.1	38.5	PASS
				RB12#6	21.07	16.02	38.5	PASS
				RB12#13	20.9	15.85	38.5	PASS
				RB25#0	21	15.95	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	20.91	15.86	38.5	PASS
				RB1#13	21.4	16.35	38.5	PASS
				RB1#24	21.23	16.18	38.5	PASS
				RB12#0	21.05	16	38.5	PASS
				RB12#6	21.23	16.18	38.5	PASS
				RB12#13	21.17	16.12	38.5	PASS
				RB25#0	21.09	16.04	38.5	PASS
			HCH	RB1#0	20.88	15.83	38.5	PASS
				RB1#13	21.11	16.06	38.5	PASS
				RB1#24	20.88	15.83	38.5	PASS
				RB12#0	20.88	15.83	38.5	PASS
				RB12#6	21.03	15.98	38.5	PASS
				RB12#13	20.9	15.85	38.5	PASS
				RB25#0	20.93	15.88	38.5	PASS
		10	LCH	RB1#0	21.73	16.68	38.5	PASS
				RB1#25	21.71	16.66	38.5	PASS
				RB1#49	21.47	16.42	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.38	16.33	38.5	PASS
				RB25#13	21.5	16.45	38.5	PASS
				RB25#25	21.16	16.11	38.5	PASS
				RB50#0	21.22	16.17	38.5	PASS
			MCH	RB1#0	21.48	16.43	38.5	PASS
				RB1#25	22.02	16.97	38.5	PASS
				RB1#49	21.74	16.69	38.5	PASS
				RB25#0	21.43	16.38	38.5	PASS
				RB25#13	21.64	16.59	38.5	PASS
				RB25#25	21.6	16.55	38.5	PASS
				RB50#0	21.51	16.46	38.5	PASS
			HCH	RB1#0	22.01	16.96	38.5	PASS
				RB1#25	21.67	16.62	38.5	PASS
				RB1#49	21.44	16.39	38.5	PASS
				RB25#0	21.72	16.67	38.5	PASS
				RB25#13	21.54	16.49	38.5	PASS
				RB25#25	21.28	16.23	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.55	16.5	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	4.2	13	PASS
				RB1#3	4.1	13	PASS
				RB1#5	4.1	13	PASS
				RB3#0	4.52	13	PASS
				RB3#2	4.36	13	PASS
				RB3#3	4.44	13	PASS
				RB6#0	5.37	13	PASS
			MCH	RB1#0	5.16	13	PASS
				RB1#3	5.03	13	PASS
				RB1#5	5.05	13	PASS
				RB3#0	5.48	13	PASS
				RB3#2	5.11	13	PASS
				RB3#3	5.43	13	PASS
				RB6#0	5.84	13	PASS
			HCH	RB1#0	4.58	13	PASS
				RB1#3	4.37	13	PASS
				RB1#5	4.26	13	PASS
				RB3#0	4.69	13	PASS
				RB3#2	4.43	13	PASS
				RB3#3	4.57	13	PASS
				RB6#0	5.66	13	PASS
		3	LCH	RB1#0	4.36	13	PASS
				RB1#7	3.98	13	PASS
				RB1#14	4.28	13	PASS
				RB8#0	5.03	13	PASS
				RB8#4	4.9	13	PASS
				RB8#7	5.1	13	PASS
				RB15#0	5.43	13	PASS
			MCH	RB1#0	4.99	13	PASS
				RB1#7	4.79	13	PASS
				RB1#14	4.91	13	PASS
				RB8#0	5.82	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	5.75	13	PASS
				RB8#7	5.72	13	PASS
				RB15#0	6.03	13	PASS
			HCH	RB1#0	4.73	13	PASS
				RB1#7	4.39	13	PASS
				RB1#14	4.34	13	PASS
				RB8#0	5.8	13	PASS
				RB8#4	5.65	13	PASS
				RB8#7	5.61	13	PASS
				RB15#0	5.91	13	PASS
		5	LCH	RB1#0	4.24	13	PASS
				RB1#13	3.99	13	PASS
				RB1#24	4.44	13	PASS
				RB12#0	4.97	13	PASS
				RB12#6	4.92	13	PASS
				RB12#13	5.09	13	PASS
				RB25#0	5.5	13	PASS
			MCH	RB1#0	4.91	13	PASS
				RB1#13	4.75	13	PASS
				RB1#24	4.73	13	PASS
				RB12#0	5.94	13	PASS
				RB12#6	5.8	13	PASS
				RB12#13	5.92	13	PASS
				RB25#0	5.9	13	PASS
			HCH	RB1#0	4.87	13	PASS
				RB1#13	4.69	13	PASS
				RB1#24	4.44	13	PASS
				RB12#0	5.7	13	PASS
				RB12#6	5.78	13	PASS
				RB12#13	5.72	13	PASS
				RB25#0	5.82	13	PASS
		10	LCH	RB1#0	4	13	PASS
				RB1#25	4.02	13	PASS
				RB1#49	4.9	13	PASS
				RB25#0	5.12	13	PASS
				RB25#13	4.96	13	PASS
				RB25#25	5.59	13	PASS
				RB50#0	5.74	13	PASS
			MCH	RB1#0	4.35	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.34	13	PASS
				RB1#49	4.33	13	PASS
				RB25#0	5.73	13	PASS
				RB25#13	5.67	13	PASS
				RB25#25	5.65	13	PASS
				RB50#0	5.83	13	PASS
			HCH	RB1#0	4.36	13	PASS
				RB1#25	4.44	13	PASS
				RB1#49	4.06	13	PASS
				RB25#0	5.72	13	PASS
				RB25#13	5.69	13	PASS
				RB25#25	5.74	13	PASS
				RB50#0	5.95	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.92	13	PASS
				RB1#3	4.77	13	PASS
				RB1#5	4.79	13	PASS
				RB3#0	5.1	13	PASS
				RB3#2	4.94	13	PASS
				RB3#3	5.05	13	PASS
				RB6#0	5.65	13	PASS
			MCH	RB1#0	5.53	13	PASS
				RB1#3	5.55	13	PASS
				RB1#5	5.88	13	PASS
				RB3#0	5.99	13	PASS
				RB3#2	5.76	13	PASS
				RB3#3	5.79	13	PASS
				RB6#0	6.38	13	PASS
			HCH	RB1#0	5.54	13	PASS
				RB1#3	5.41	13	PASS
				RB1#5	5.23	13	PASS
				RB3#0	5.39	13	PASS
				RB3#2	5.62	13	PASS
				RB3#3	5.56	13	PASS
				RB6#0	5.97	13	PASS
		3	LCH	RB1#0	5.12	13	PASS
				RB1#7	4.63	13	PASS
				RB1#14	5.05	13	PASS
				RB8#0	5.41	13	PASS
				RB8#4	5.25	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	5.27	13	PASS
				RB15#0	5.68	13	PASS
			MCH	RB1#0	6.06	13	PASS
				RB1#7	5.72	13	PASS
				RB1#14	6.01	13	PASS
				RB8#0	6.11	13	PASS
				RB8#4	6.26	13	PASS
				RB8#7	6.23	13	PASS
				RB15#0	6.4	13	PASS
			HCH	RB1#0	5.43	13	PASS
				RB1#7	5.22	13	PASS
				RB1#14	5.41	13	PASS
				RB8#0	5.91	13	PASS
				RB8#4	5.78	13	PASS
				RB8#7	5.7	13	PASS
				RB15#0	6.16	13	PASS
		5	LCH	RB1#0	5.02	13	PASS
				RB1#13	4.62	13	PASS
				RB1#24	4.96	13	PASS
				RB12#0	5.18	13	PASS
				RB12#6	4.98	13	PASS
				RB12#13	5.3	13	PASS
				RB25#0	5.82	13	PASS
			MCH	RB1#0	5.89	13	PASS
				RB1#13	5.62	13	PASS
				RB1#24	5.64	13	PASS
				RB12#0	6.2	13	PASS
				RB12#6	6.12	13	PASS
				RB12#13	6.15	13	PASS
				RB25#0	6.54	13	PASS
			HCH	RB1#0	5.51	13	PASS
				RB1#13	5.51	13	PASS
				RB1#24	5.14	13	PASS
				RB12#0	6.12	13	PASS
				RB12#6	6.23	13	PASS
				RB12#13	6.13	13	PASS
				RB25#0	6.46	13	PASS
		10	LCH	RB1#0	4.63	13	PASS
				RB1#25	4.57	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	5.6	13	PASS
				RB25#0	5.25	13	PASS
				RB25#13	5.1	13	PASS
				RB25#25	5.78	13	PASS
				RB50#0	6.09	13	PASS
			MCH	RB1#0	5.16	13	PASS
				RB1#25	5.08	13	PASS
				RB1#49	5.14	13	PASS
				RB25#0	5.91	13	PASS
				RB25#13	5.84	13	PASS
				RB25#25	5.82	13	PASS
				RB50#0	6.31	13	PASS
			HCH	RB1#0	5.14	13	PASS
				RB1#25	5.28	13	PASS
				RB1#49	5.06	13	PASS
				RB25#0	6.05	13	PASS
				RB25#13	5.99	13	PASS
				RB25#25	6.19	13	PASS
				RB50#0	6.45	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

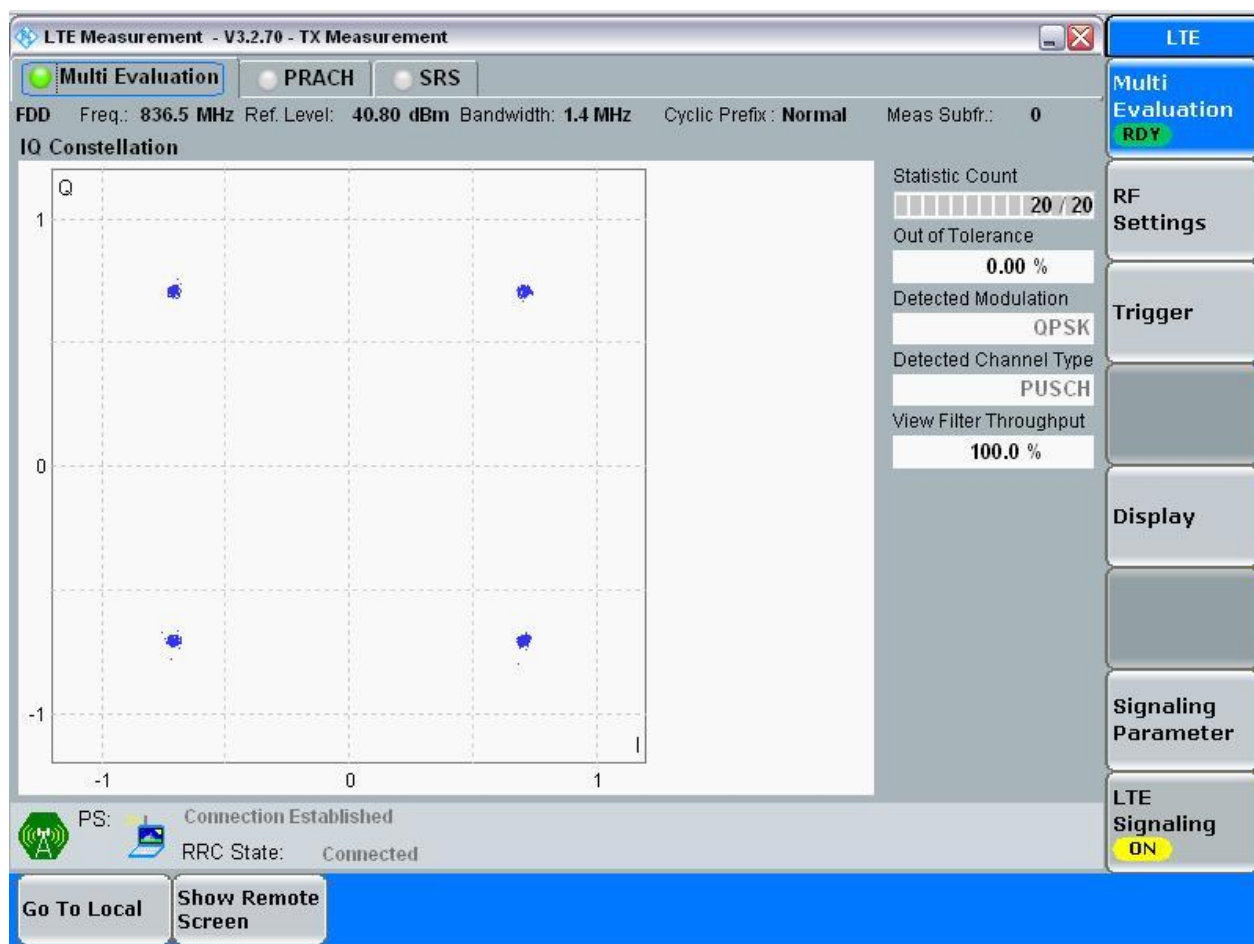
3.1.1 Test Band = BAND5

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

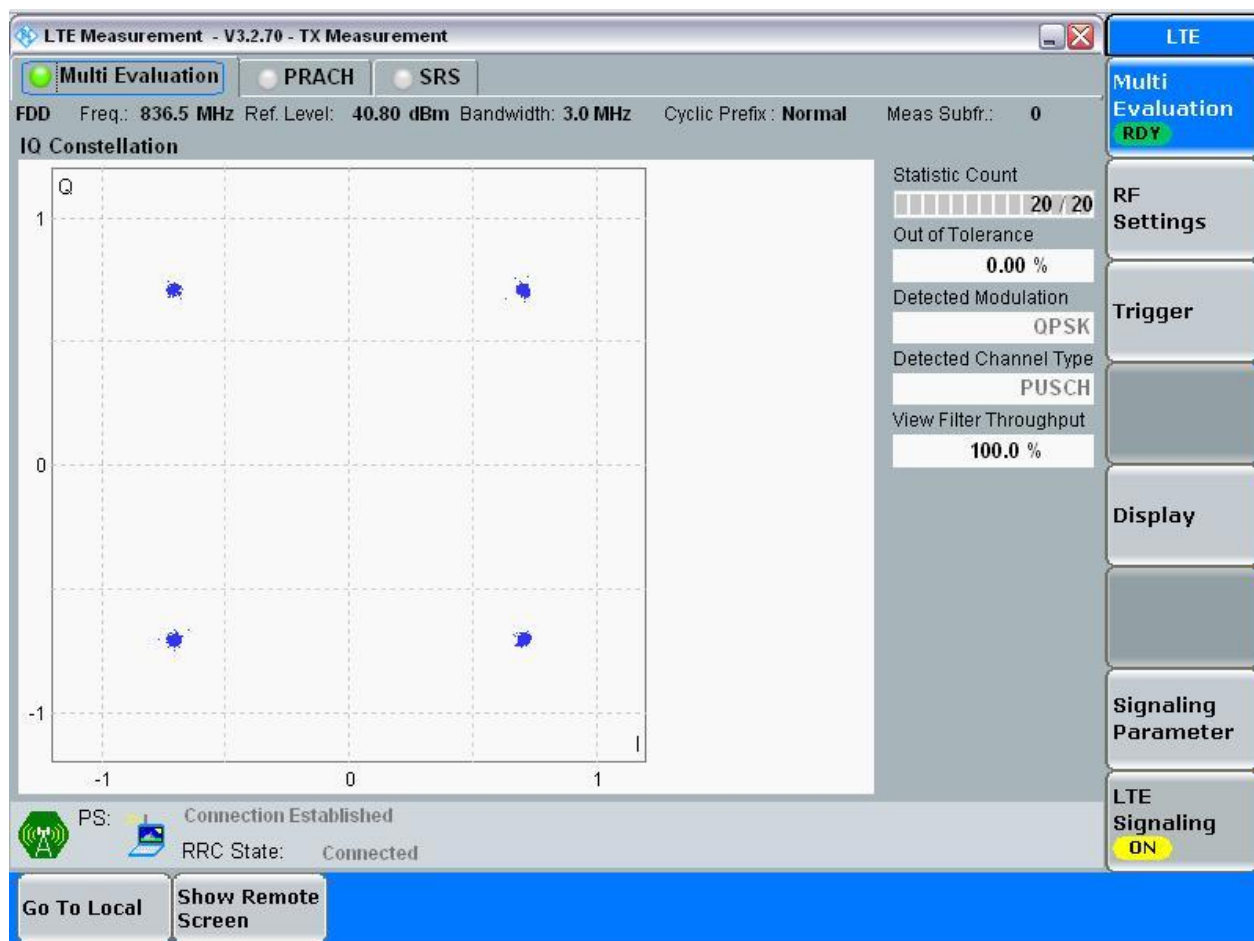
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

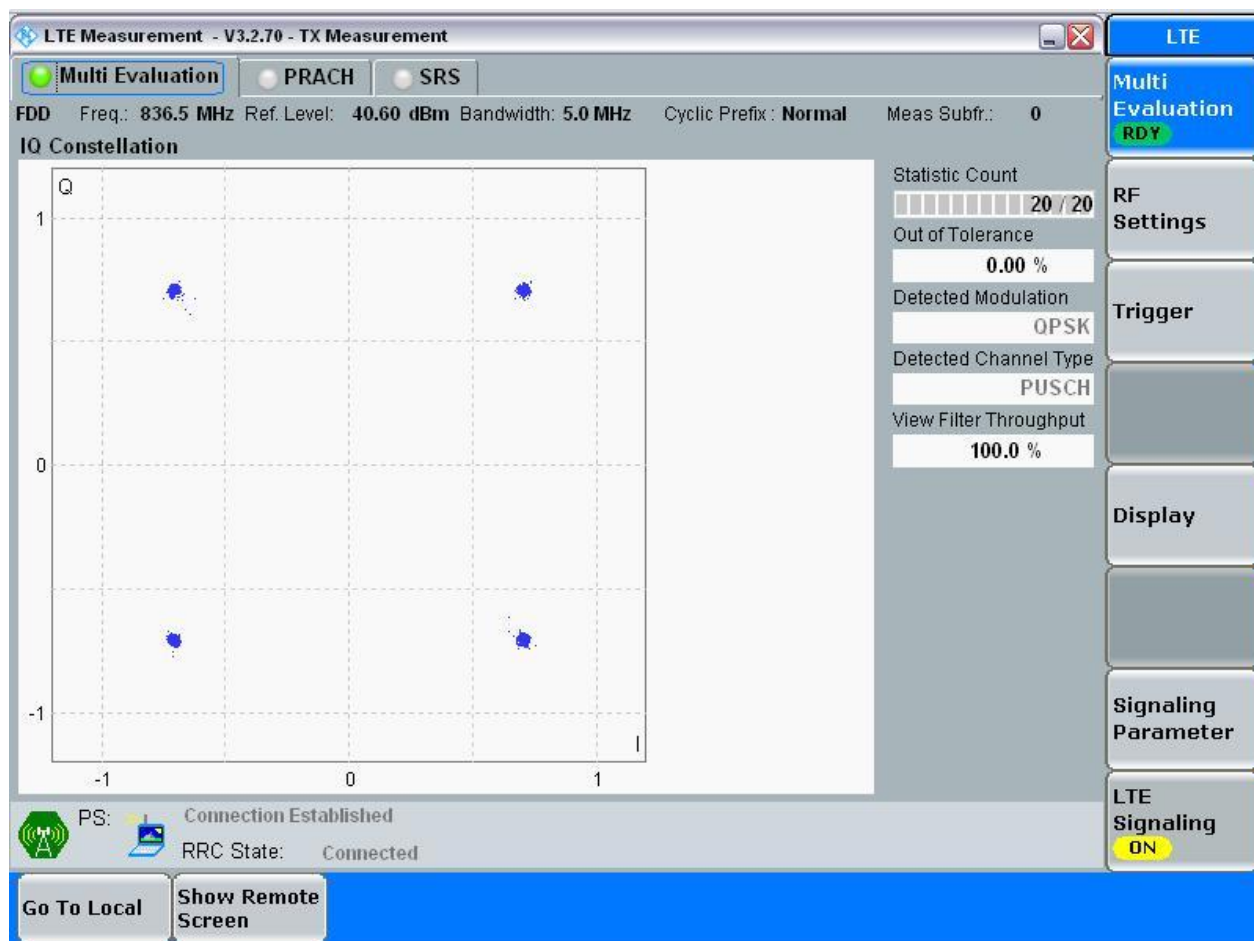
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

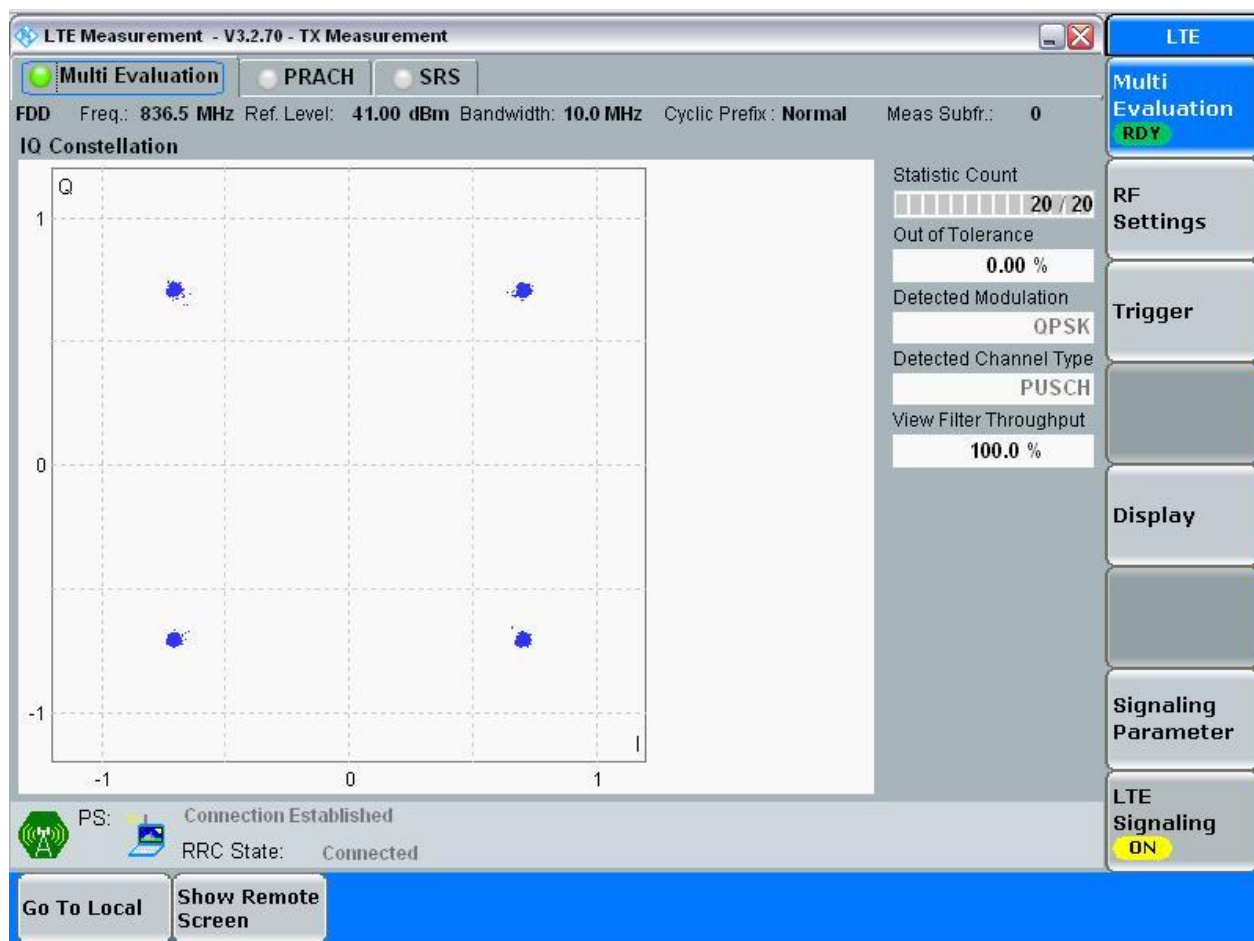
3.1.1.1.3.1.1 Test RB = RB25#0



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

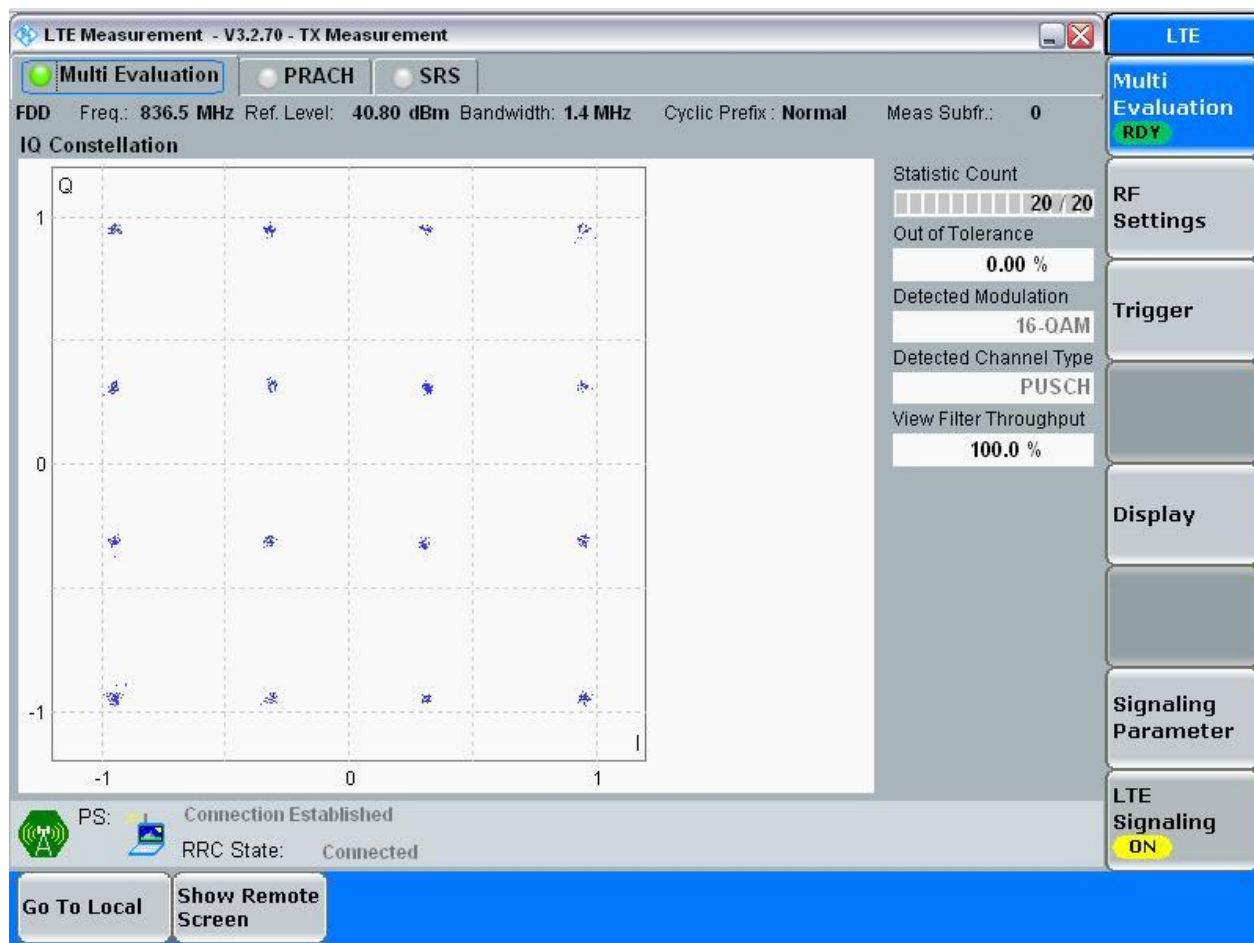


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

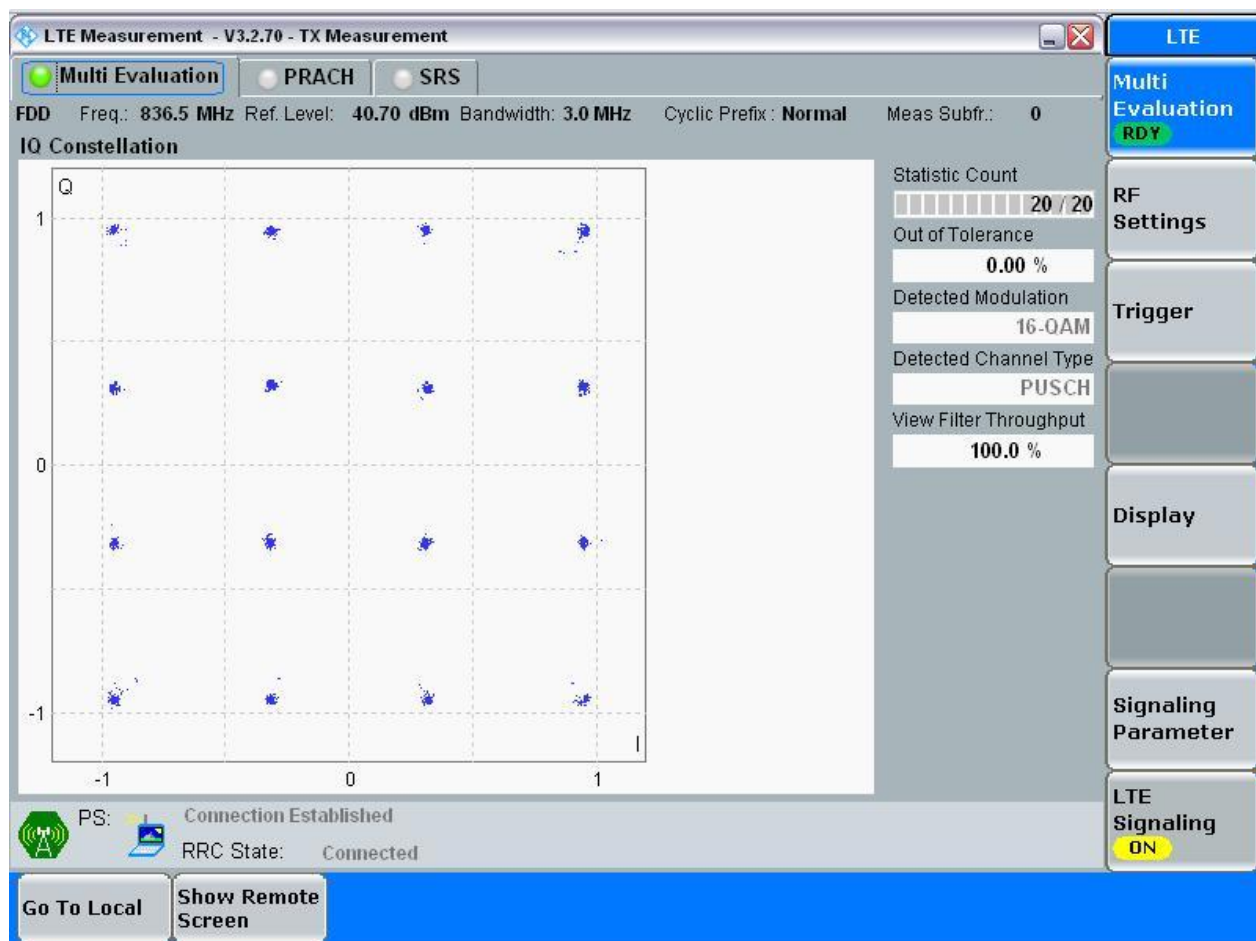
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

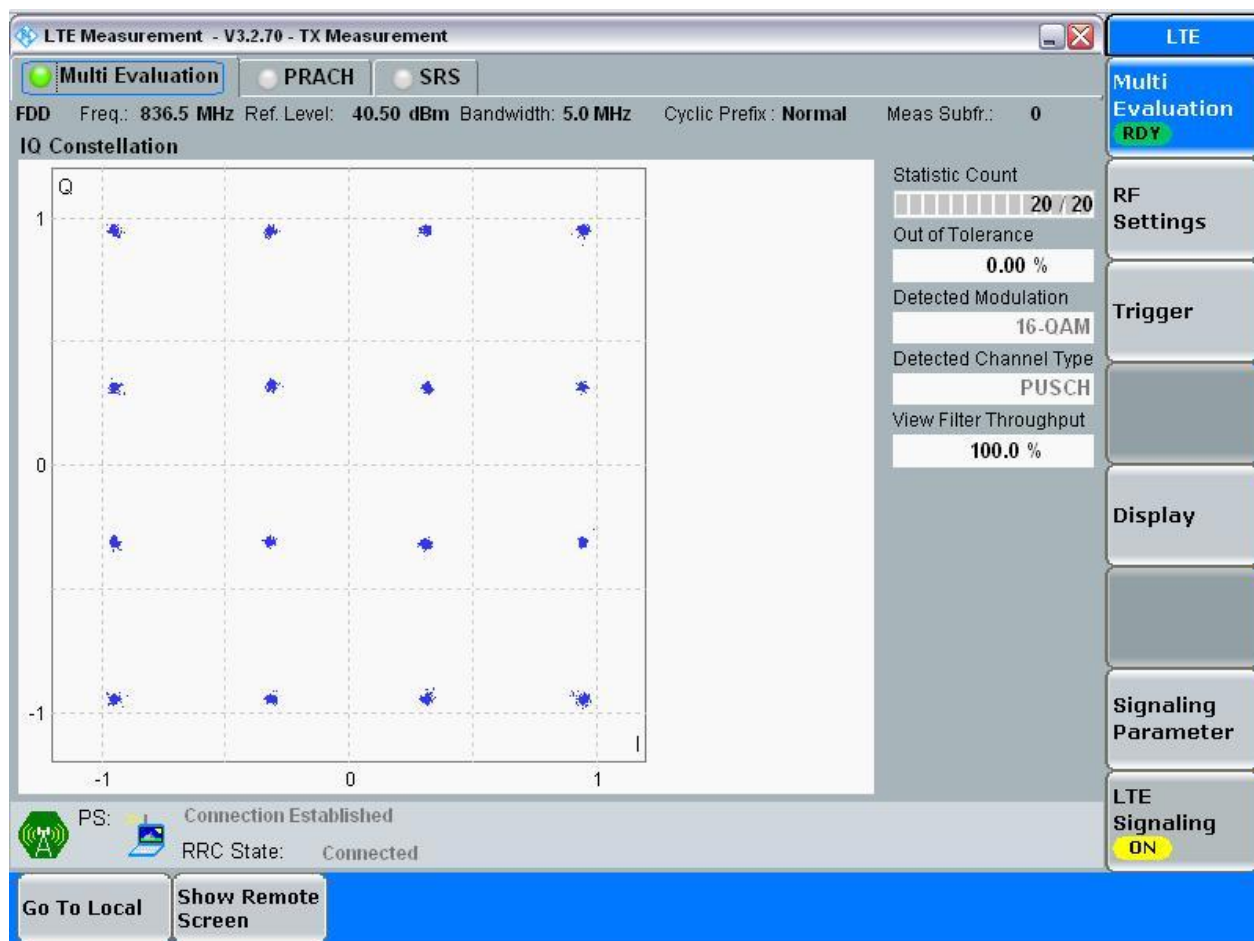
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

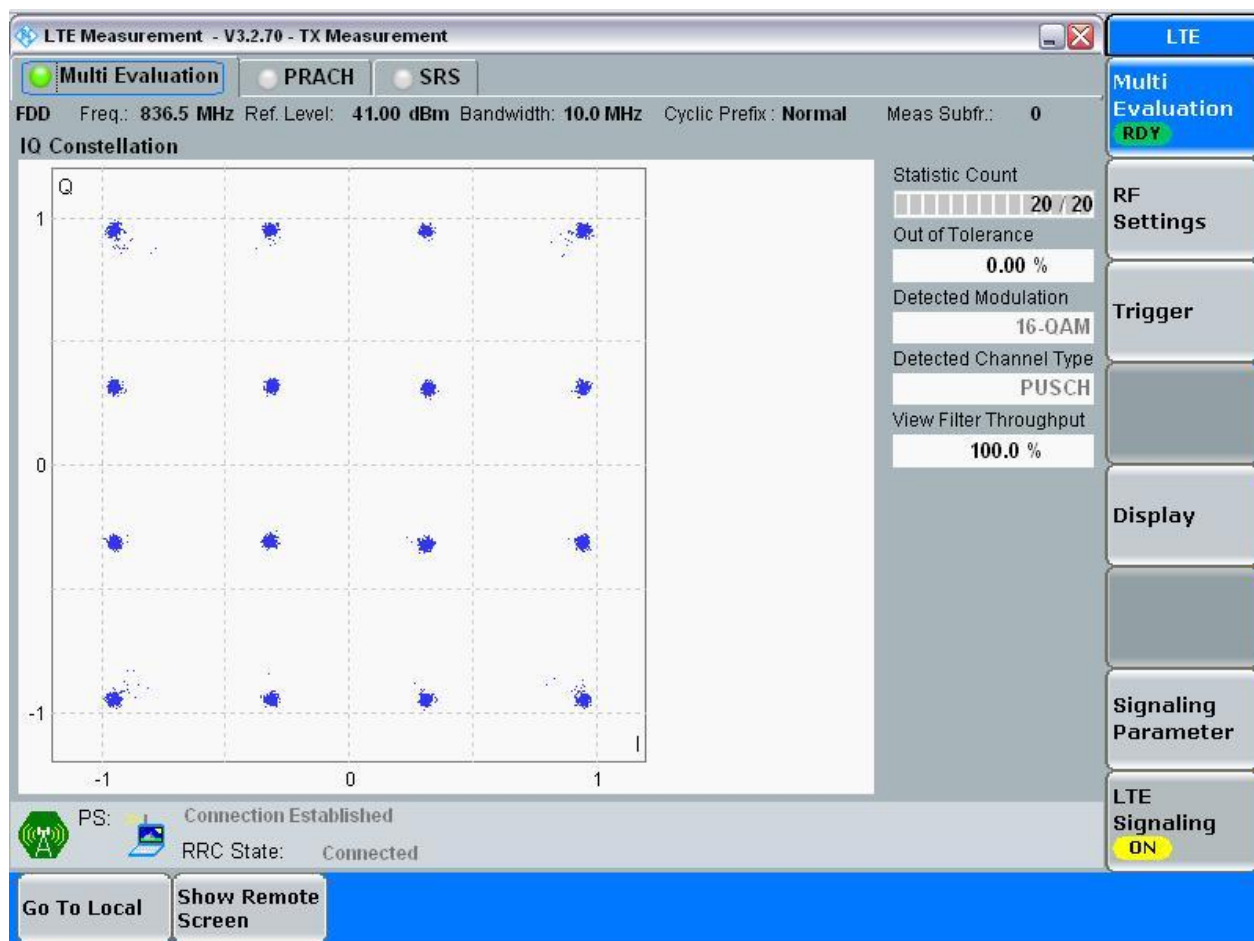
3.1.1.2.3.1.1 Test RB = RB25#0



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	1.23	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.97	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.70	2.97	Pass
		5	LCH	RB25#0	4.51	4.96	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.51	5.00	Pass
		10	LCH	RB50#0	8.99	9.92	Pass
			MCH	RB50#0	8.98	9.92	Pass
			HCH	RB50#0	9.00	9.89	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.09	1.25	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.70	2.96	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	9.00	9.94	Pass
			MCH	RB50#0	8.98	9.88	Pass
			HCH	RB50#0	9.01	9.90	Pass



Part II - Test Plots

4.1 For LTE

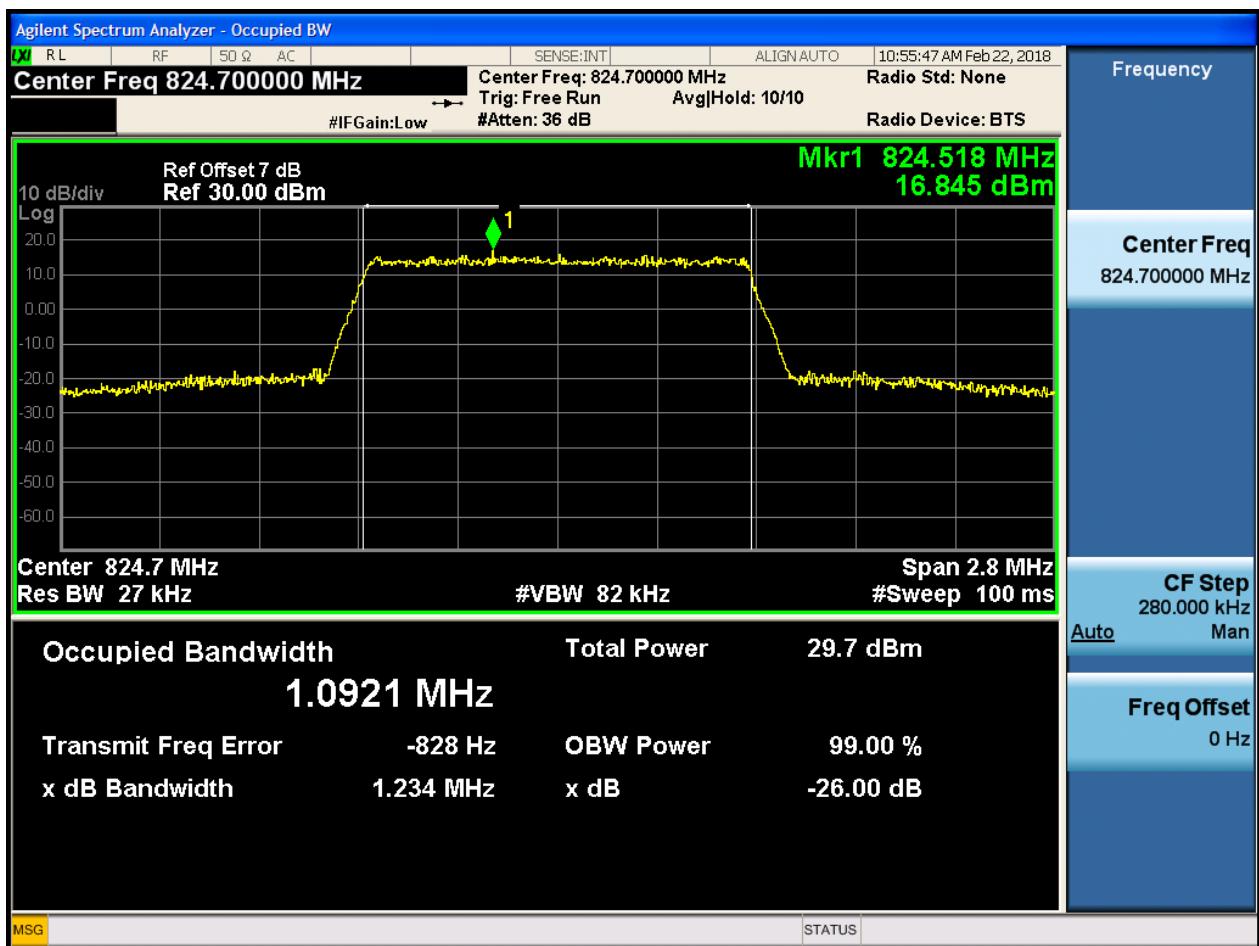
4.1.1 Test Band = BAND5

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

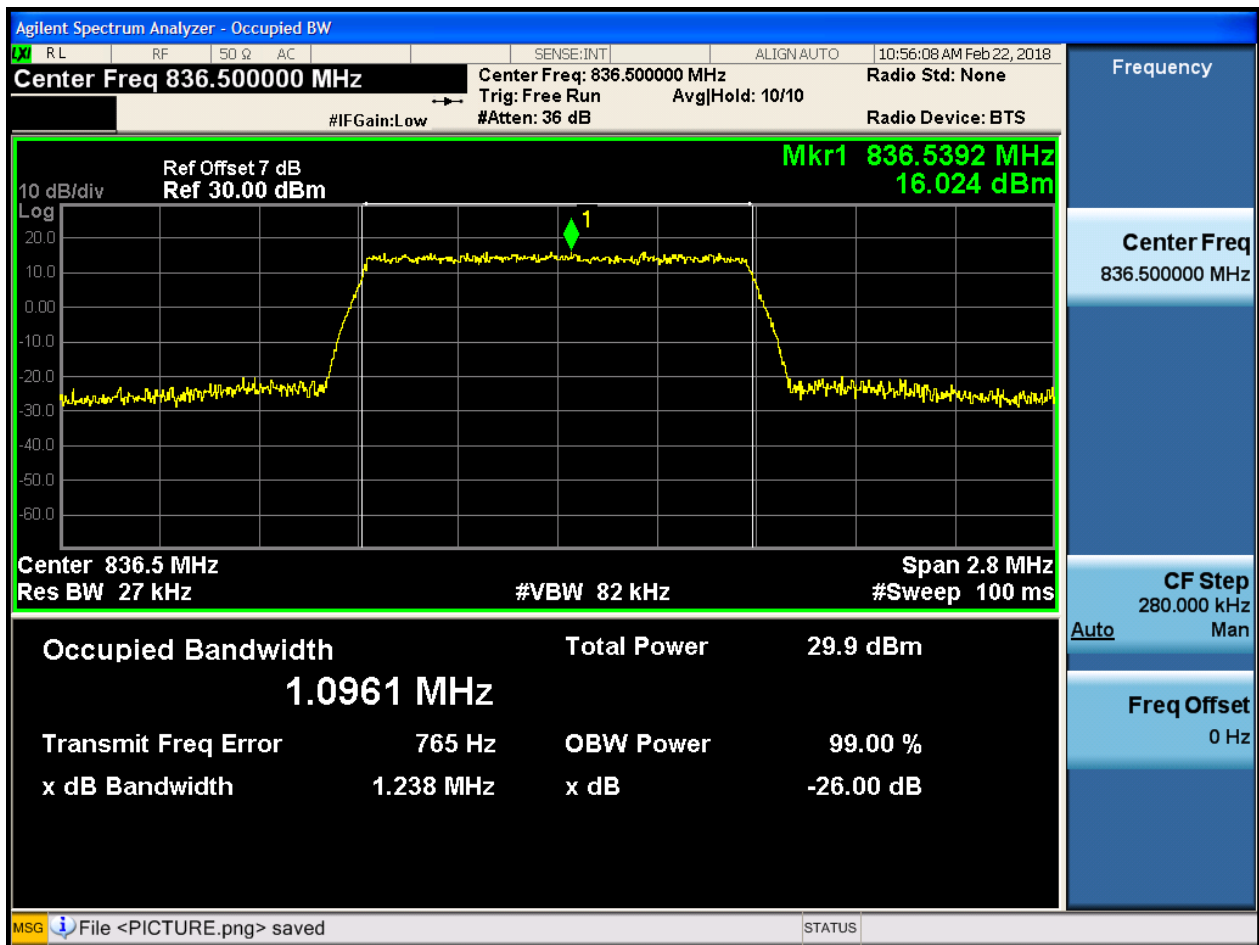
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

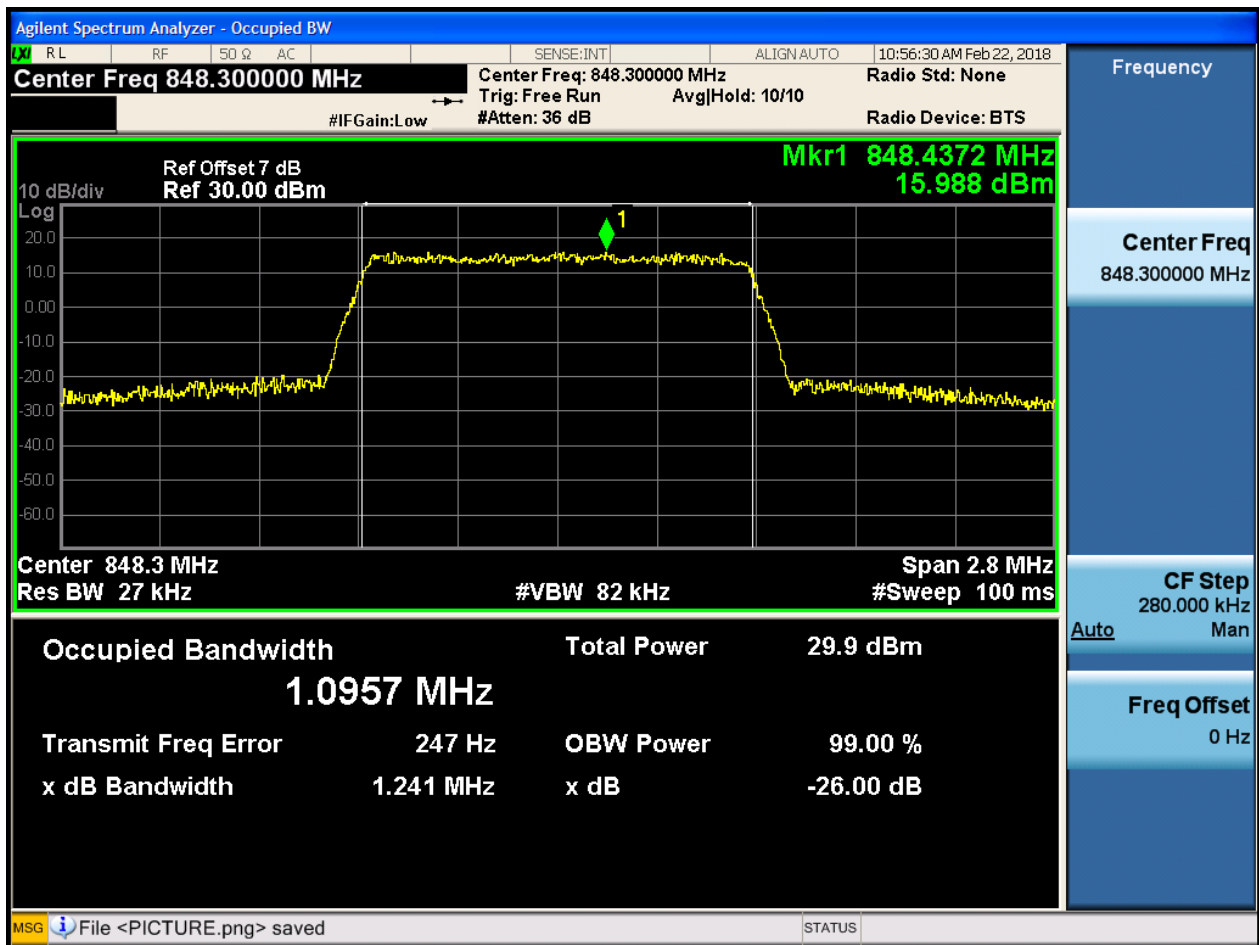
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

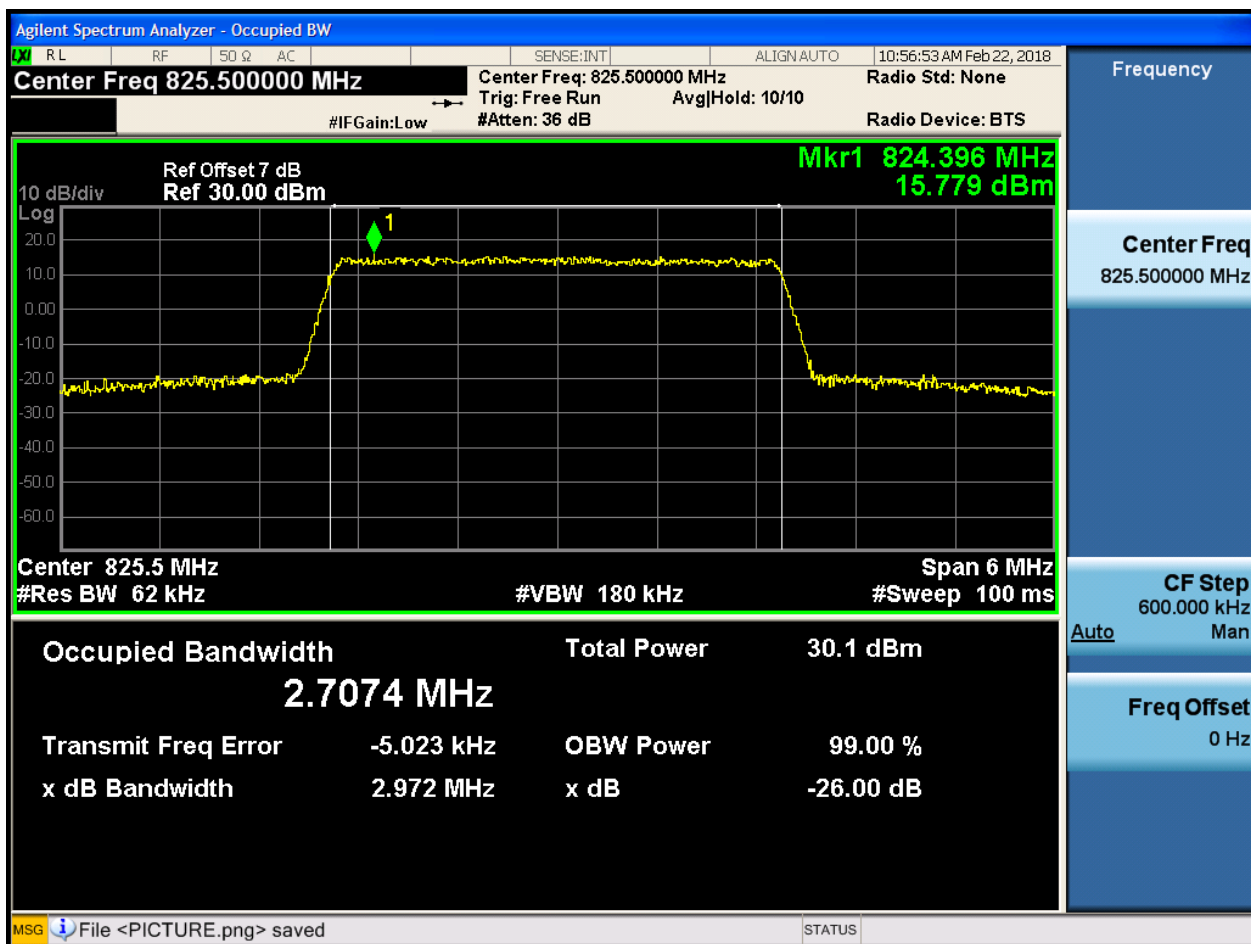




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

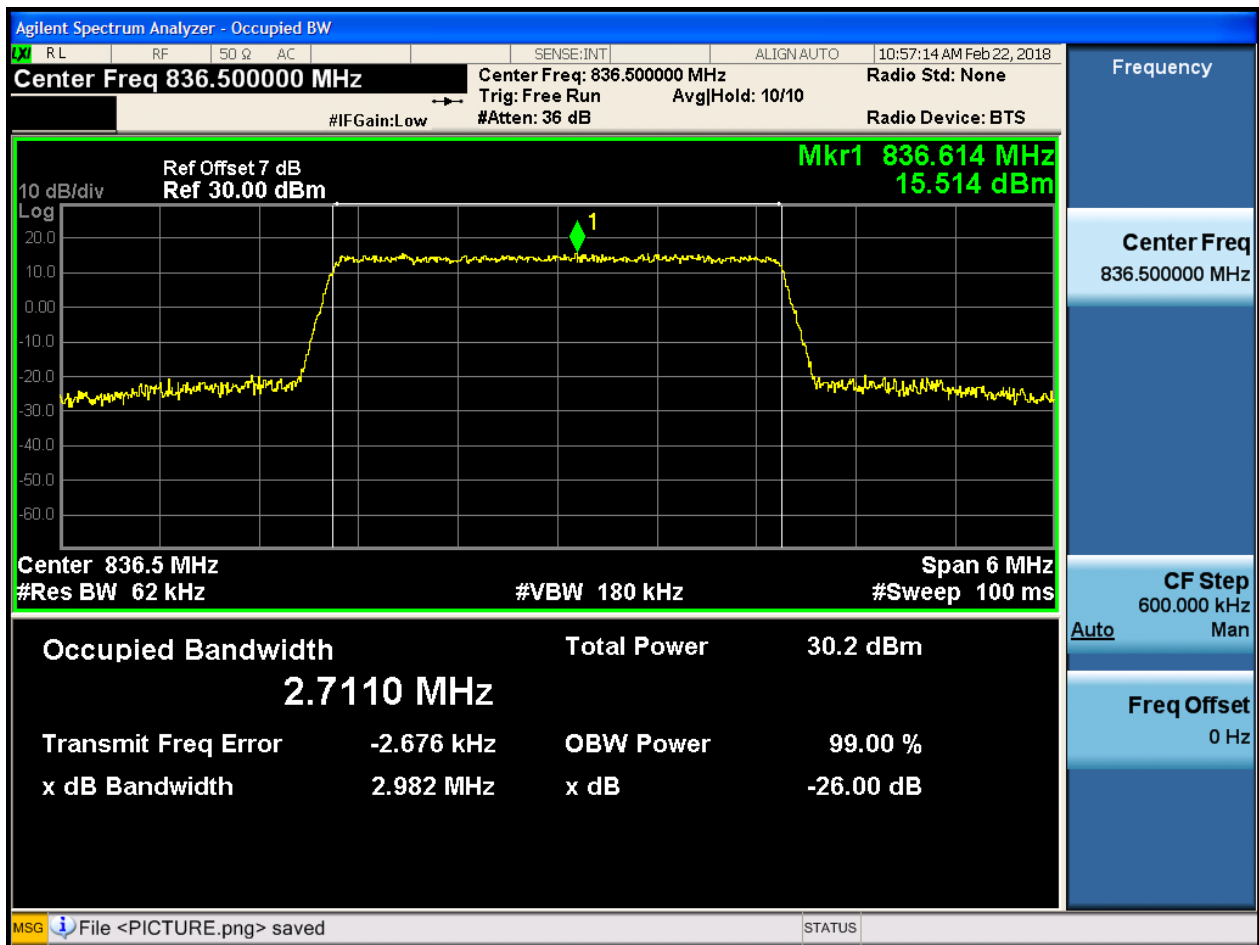
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

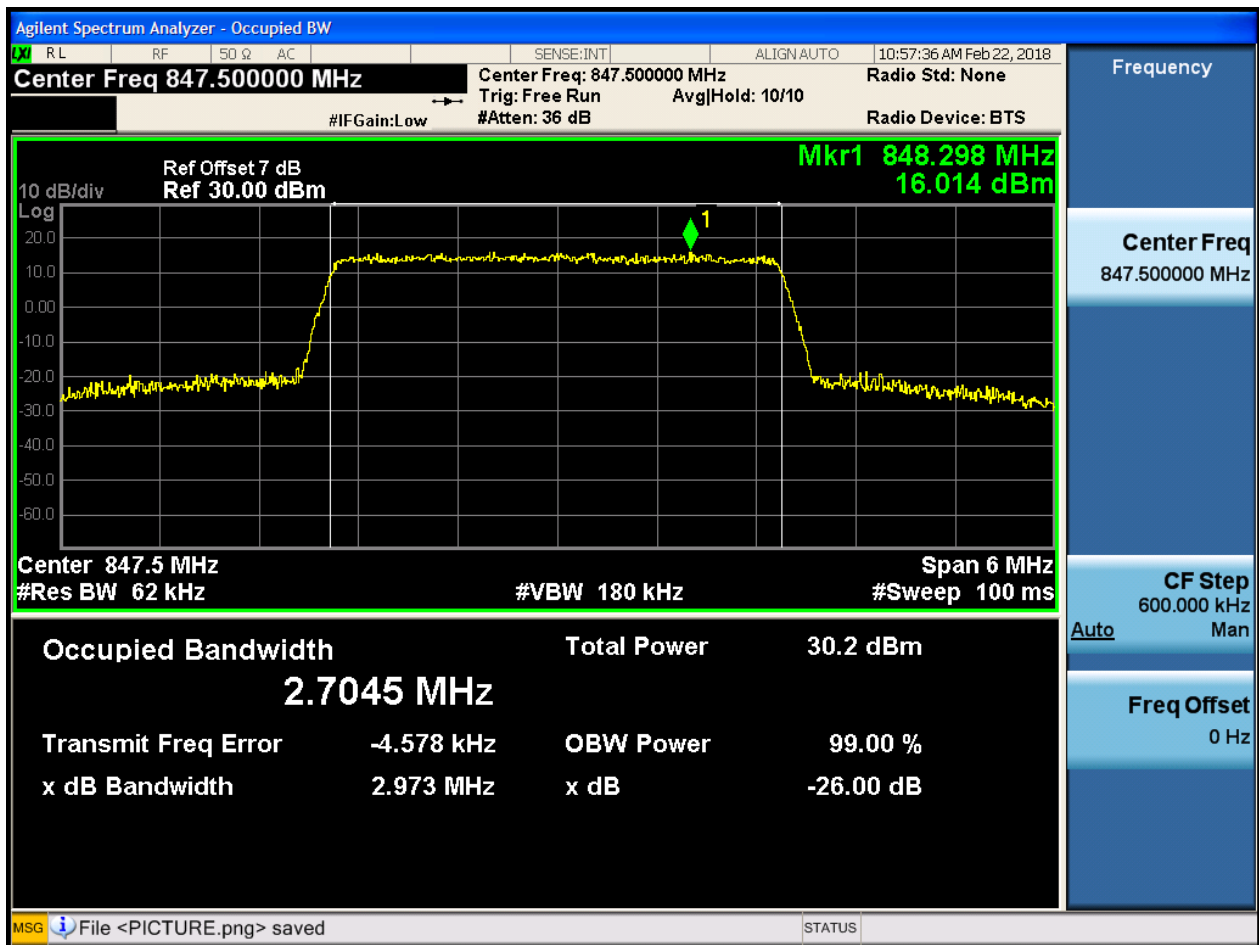
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

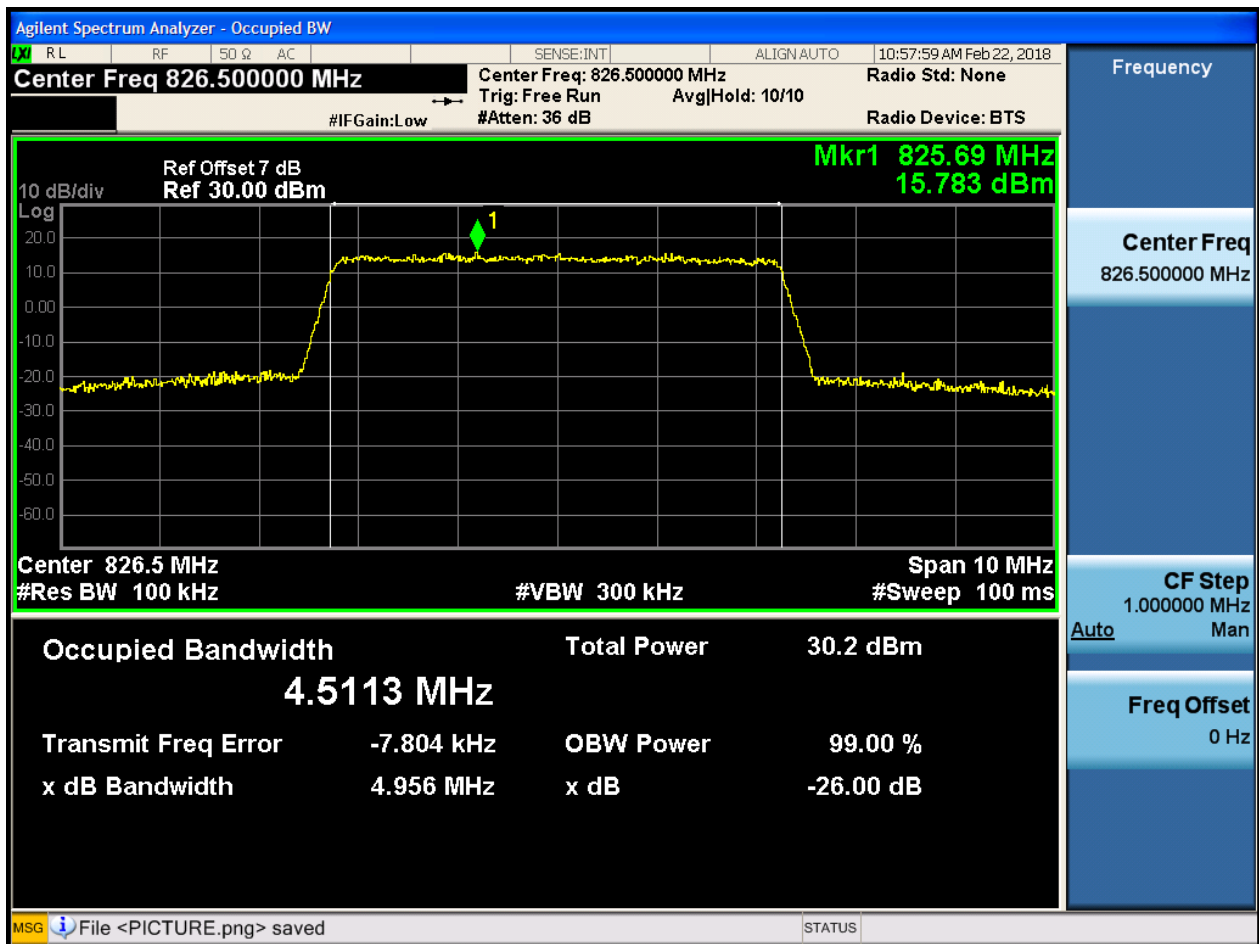




4.1.1.1.3 Test Bandwidth = 5

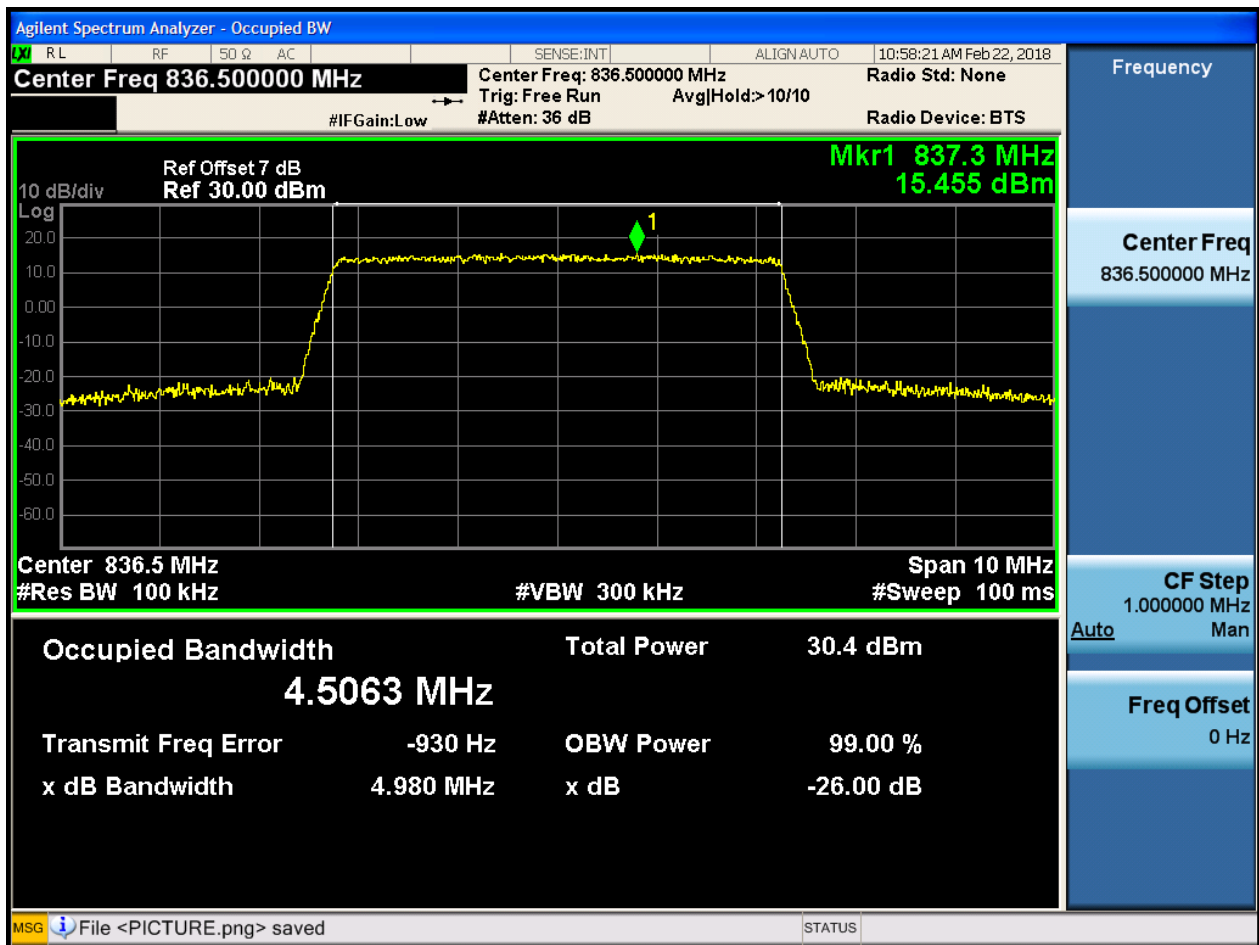
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



4.1.1.1.3.2 Test Channel = MCH

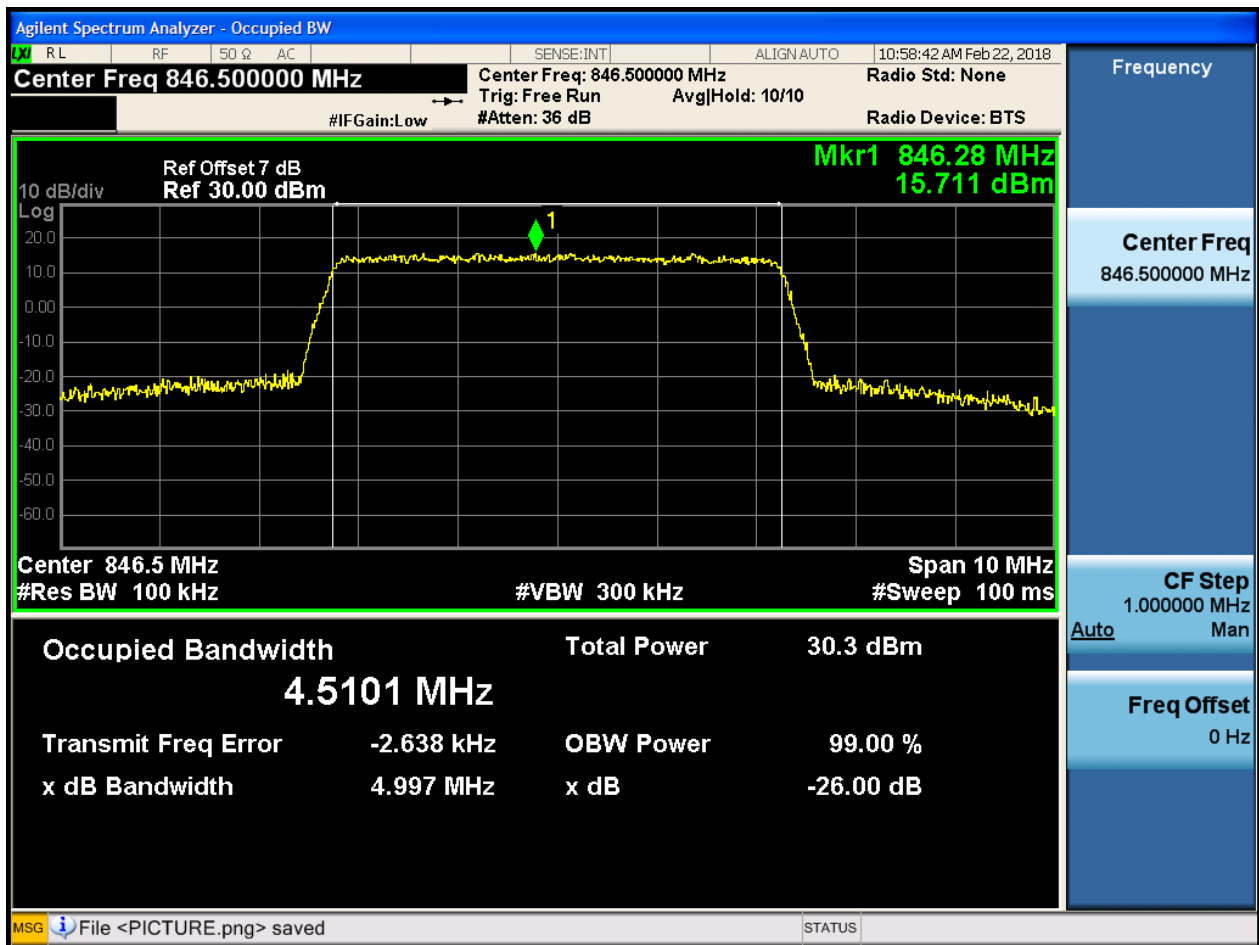
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

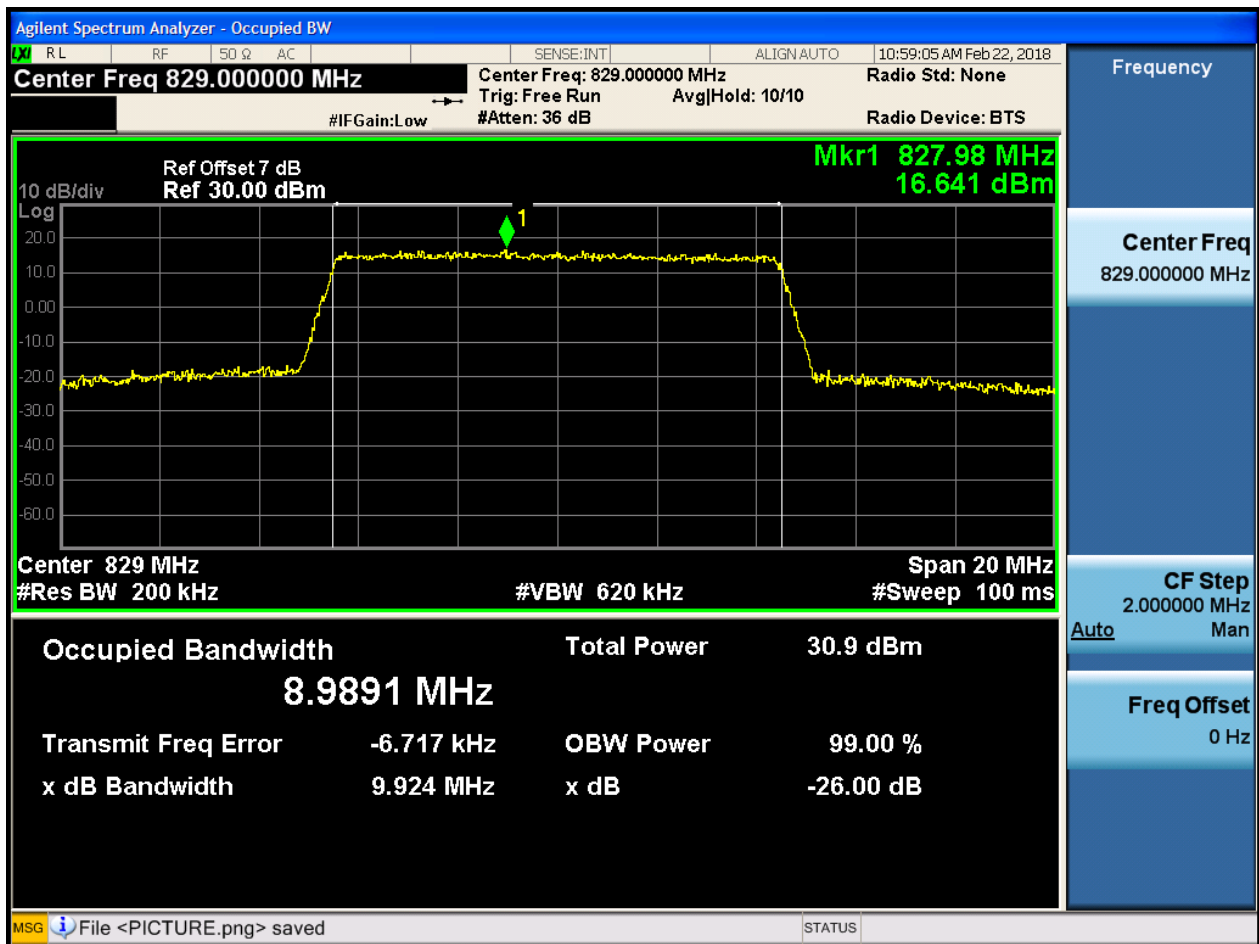




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

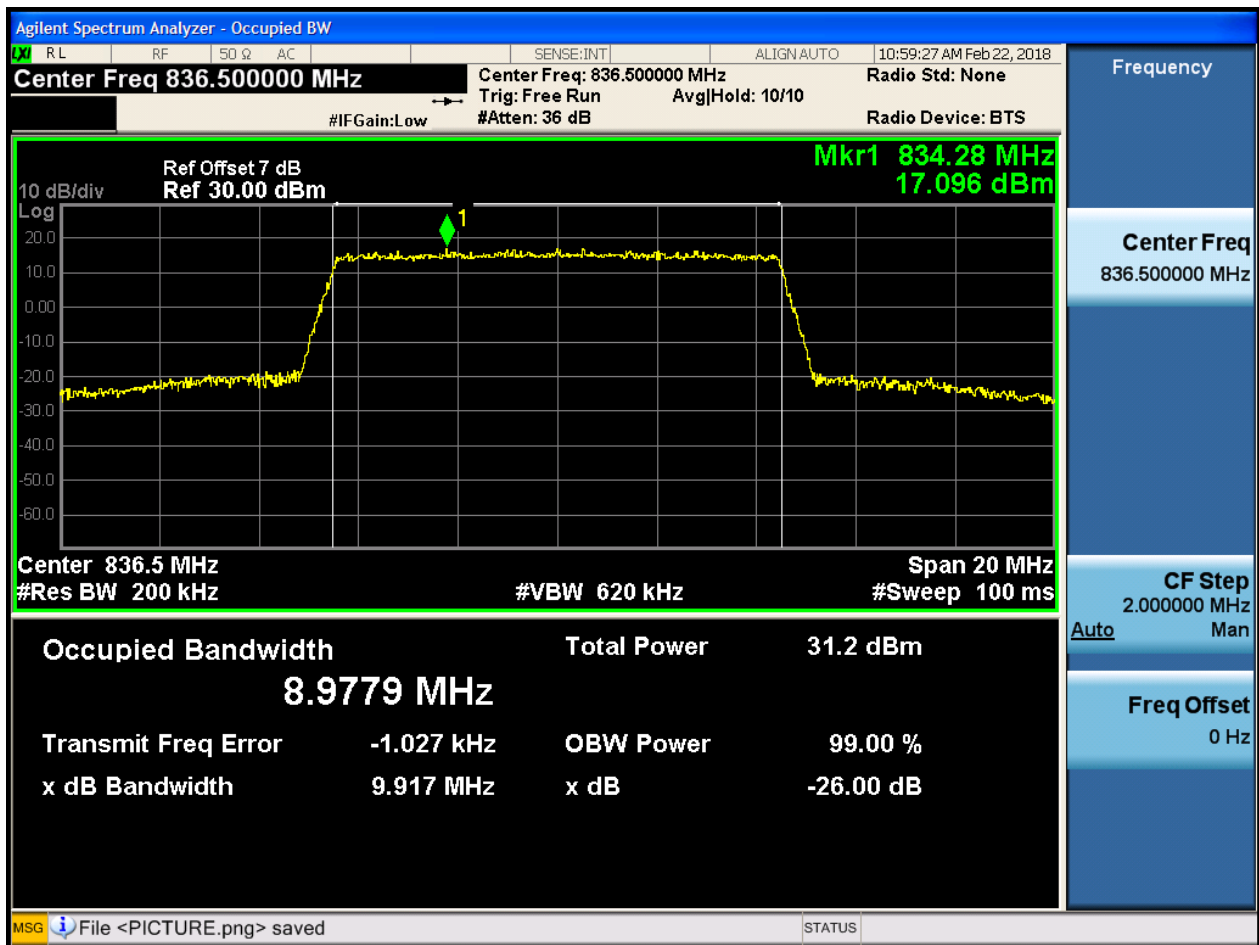
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

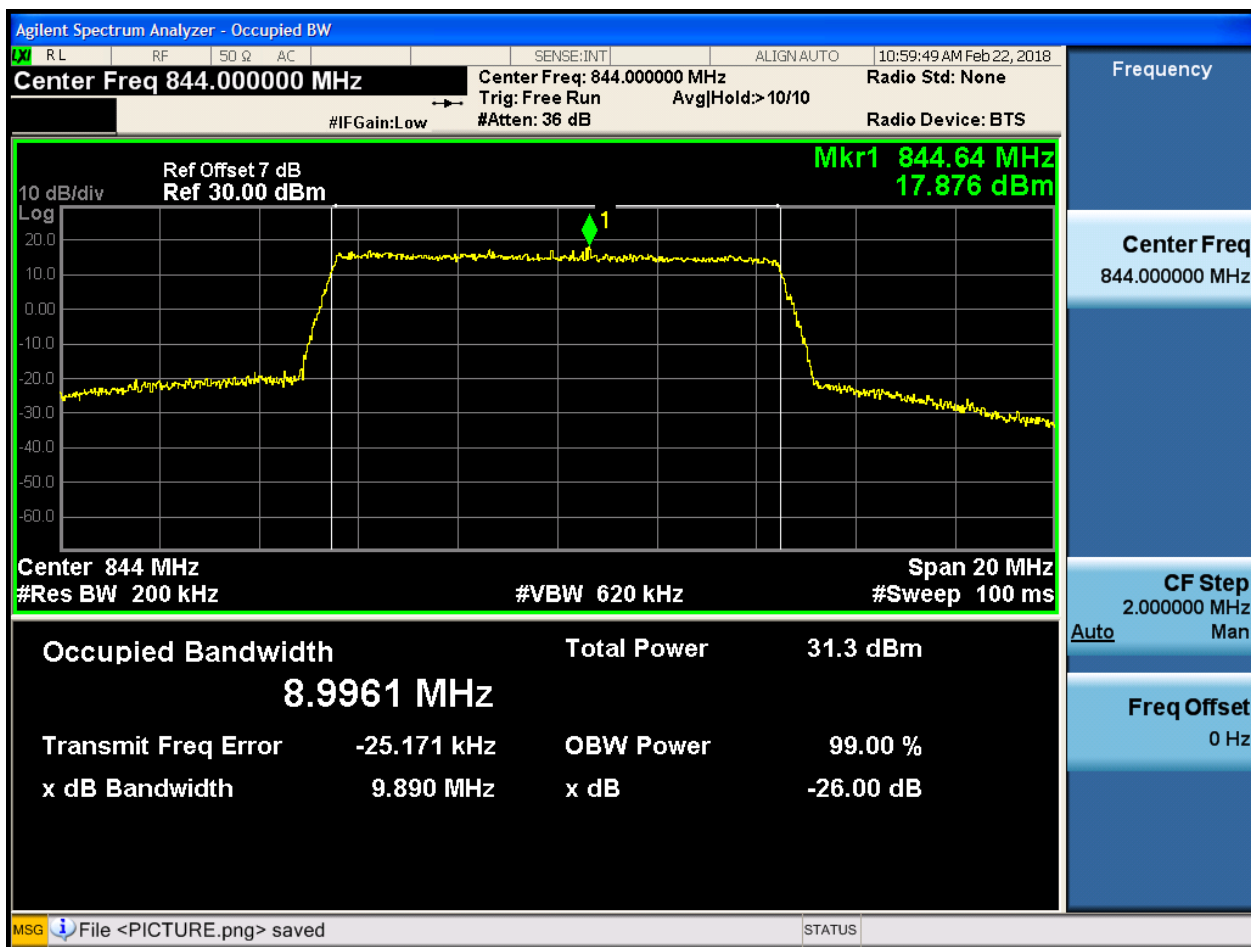
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0



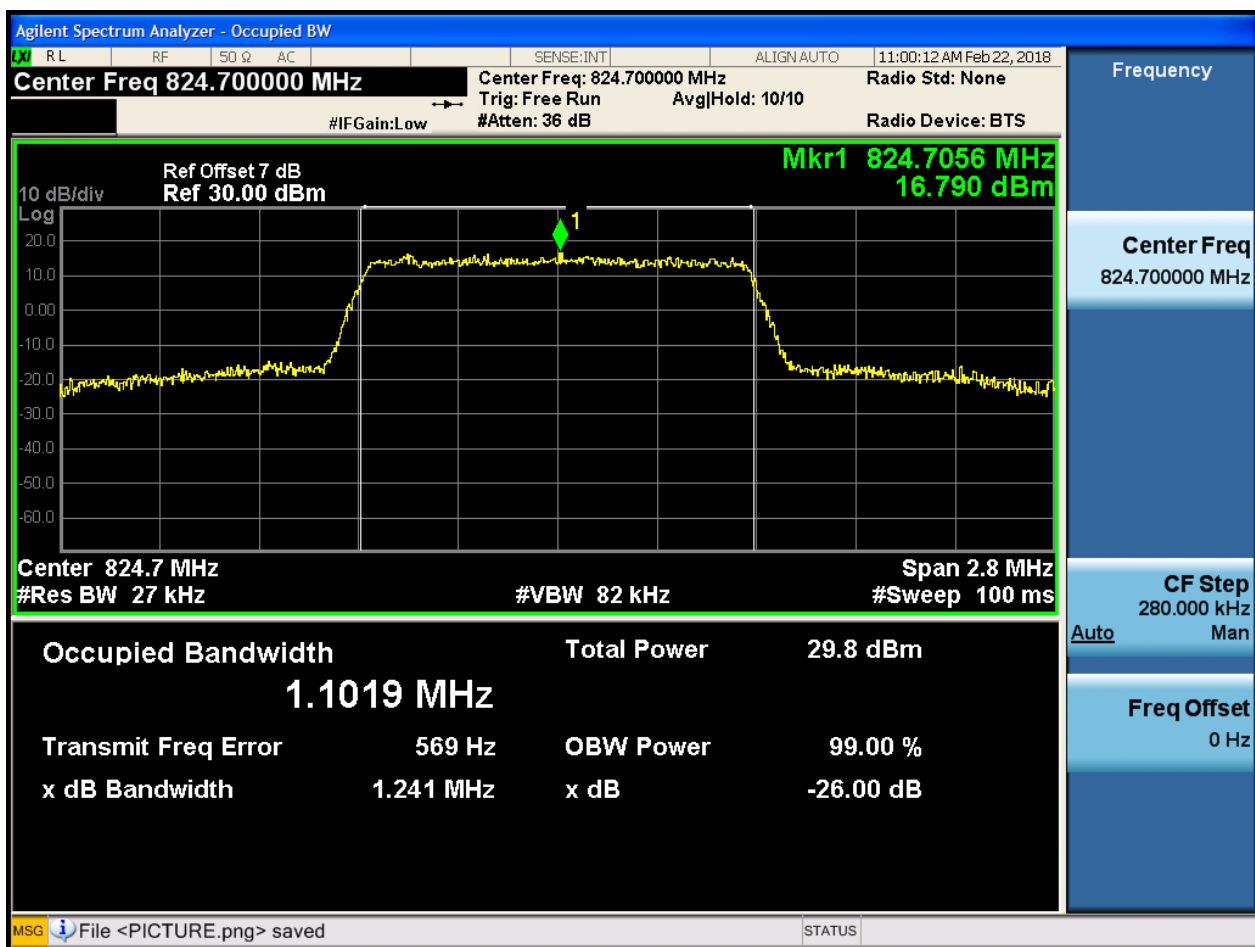


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

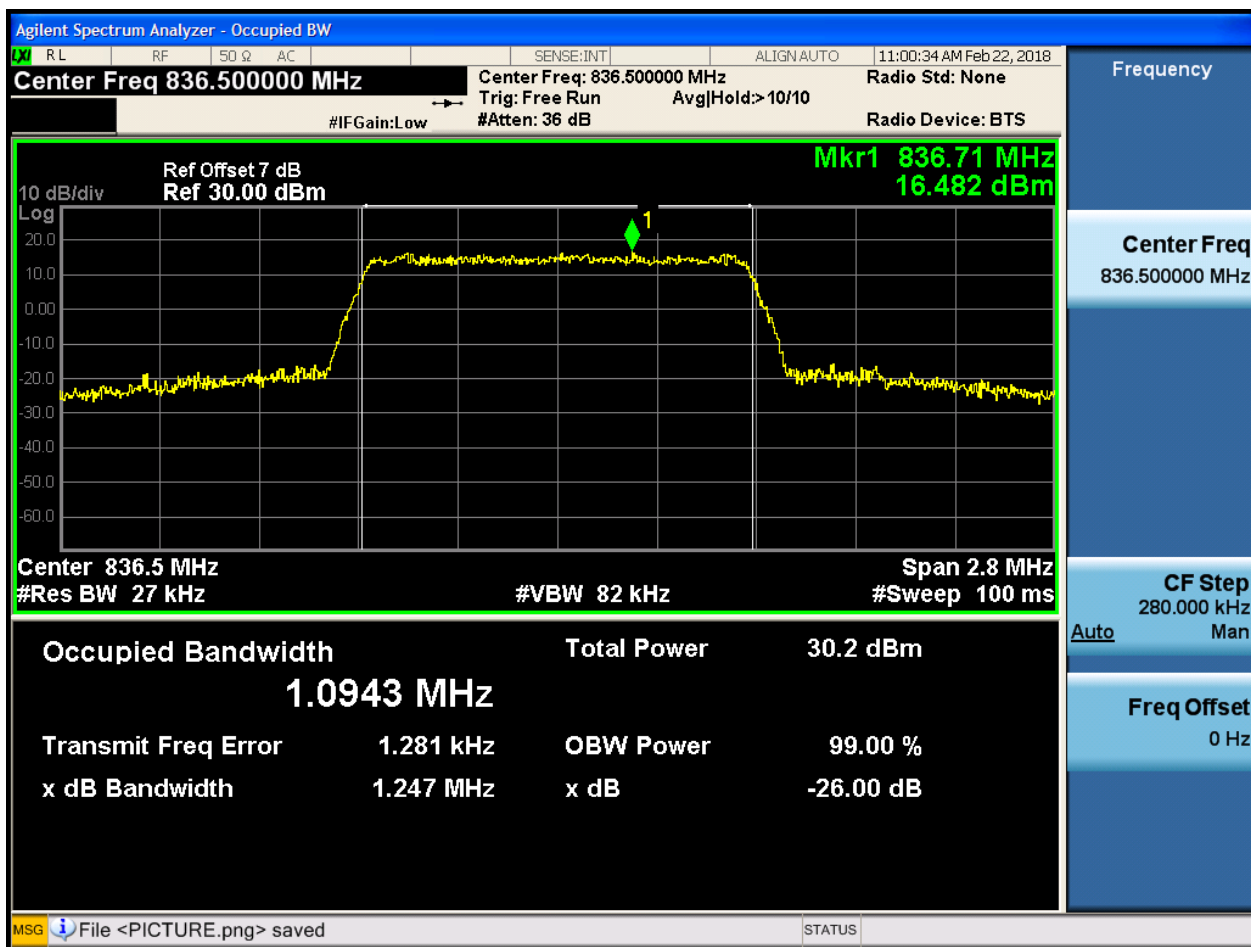
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

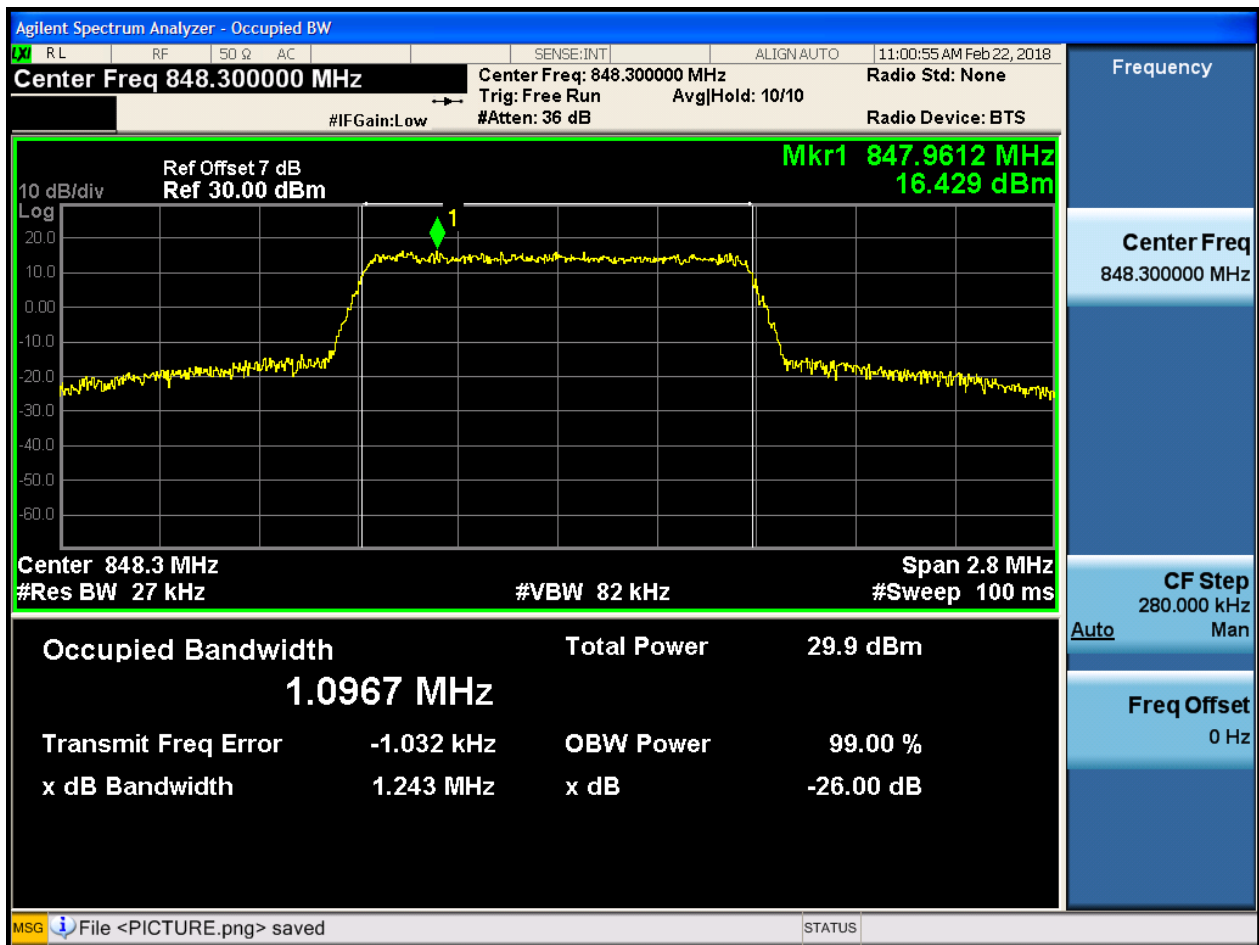
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

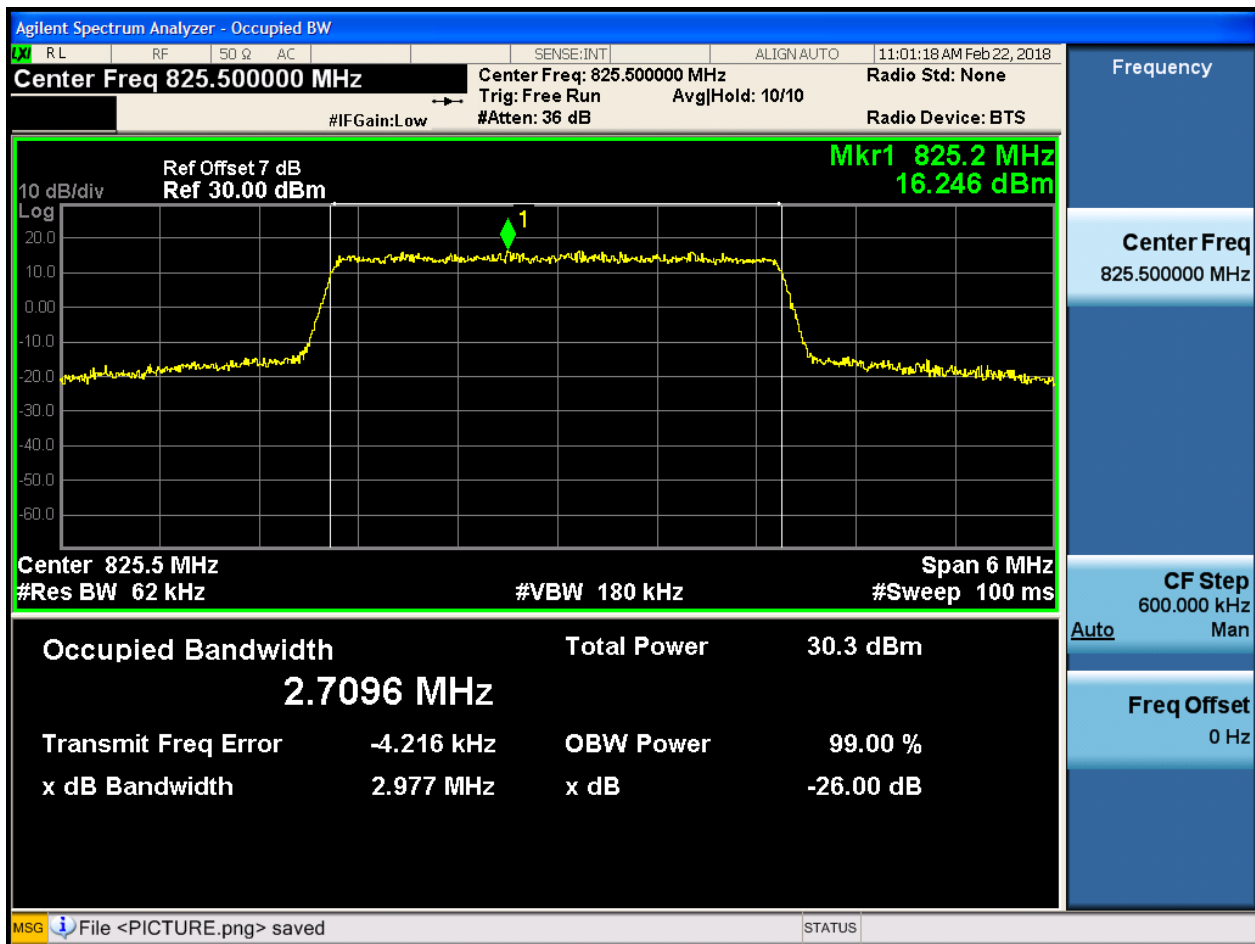




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

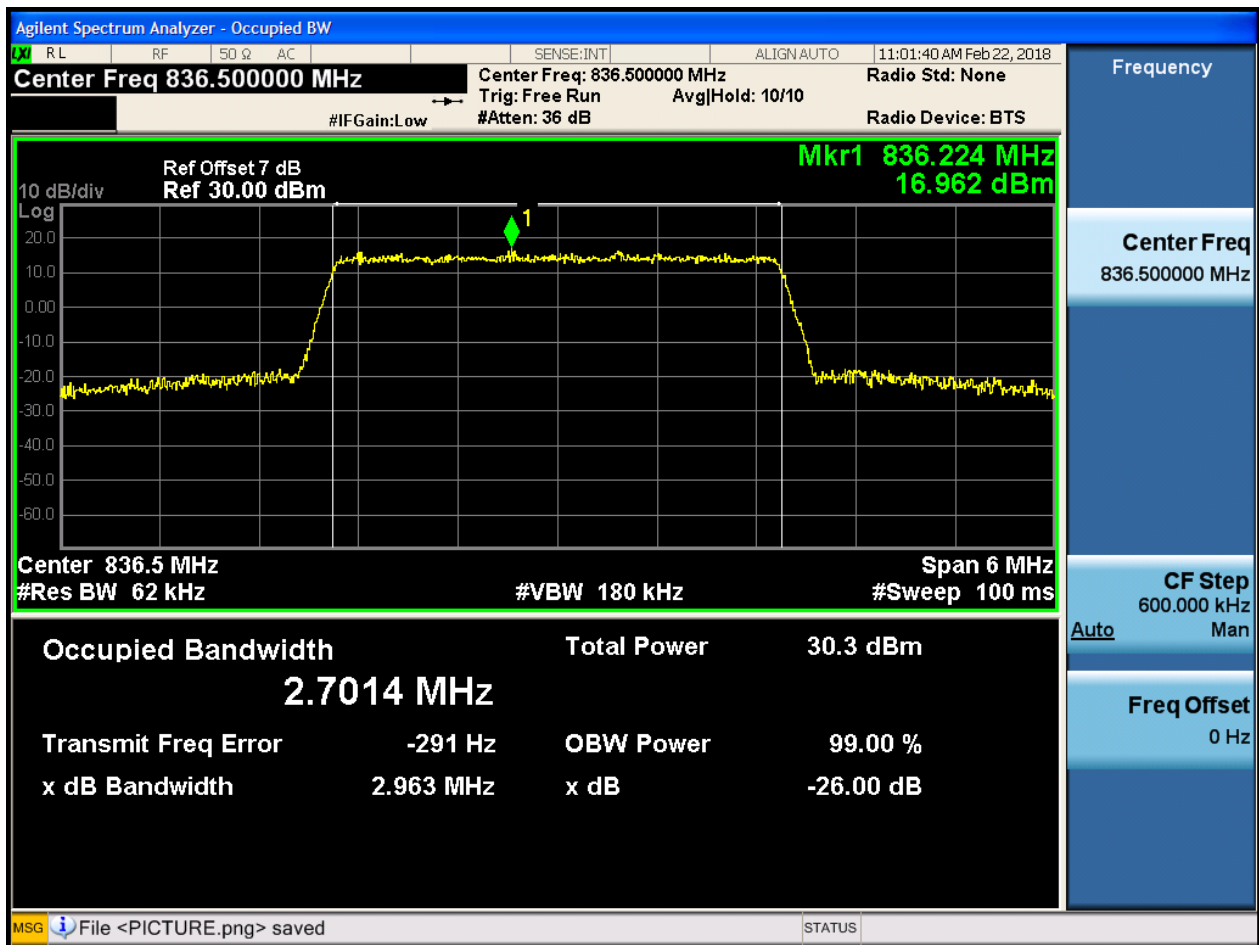
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

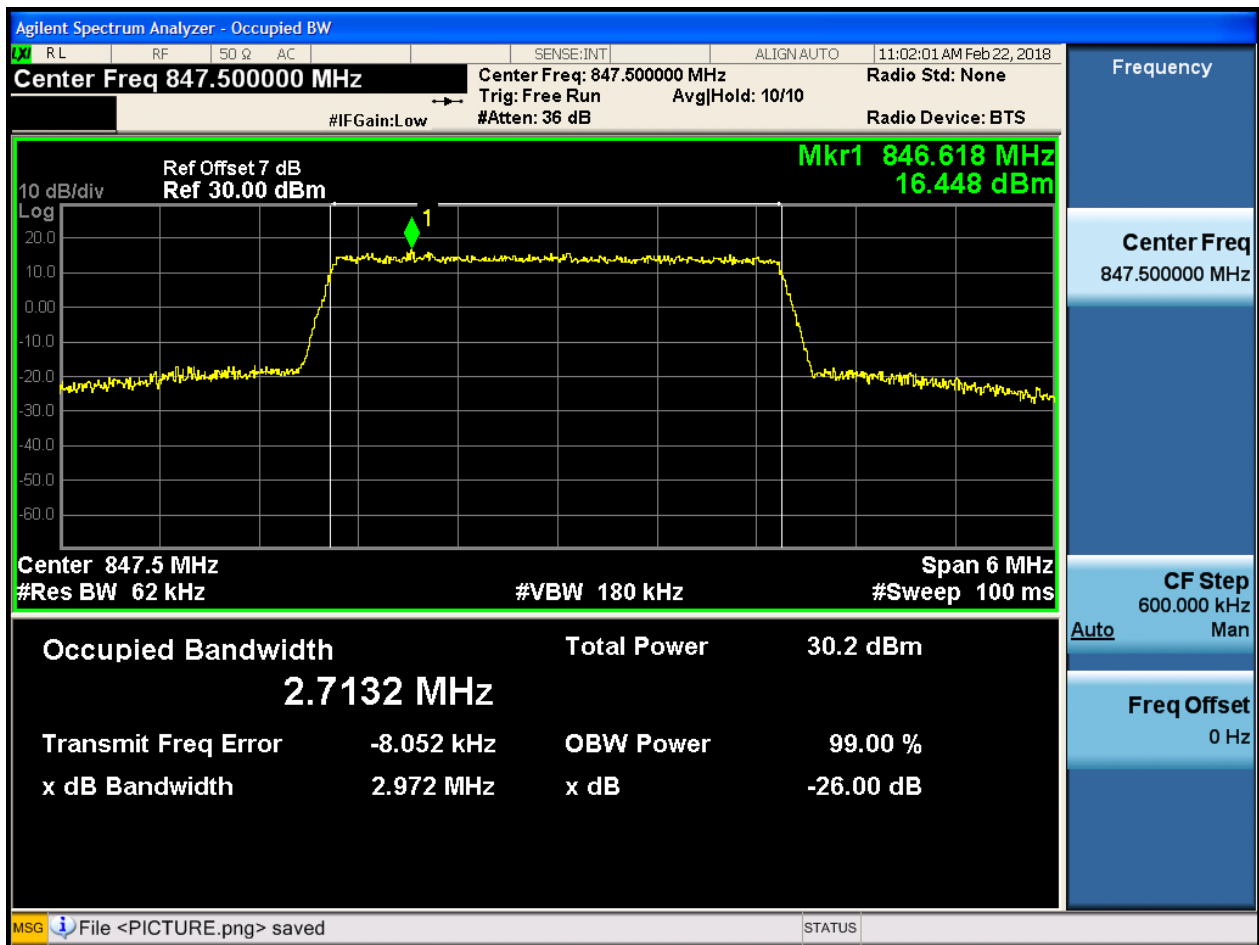
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

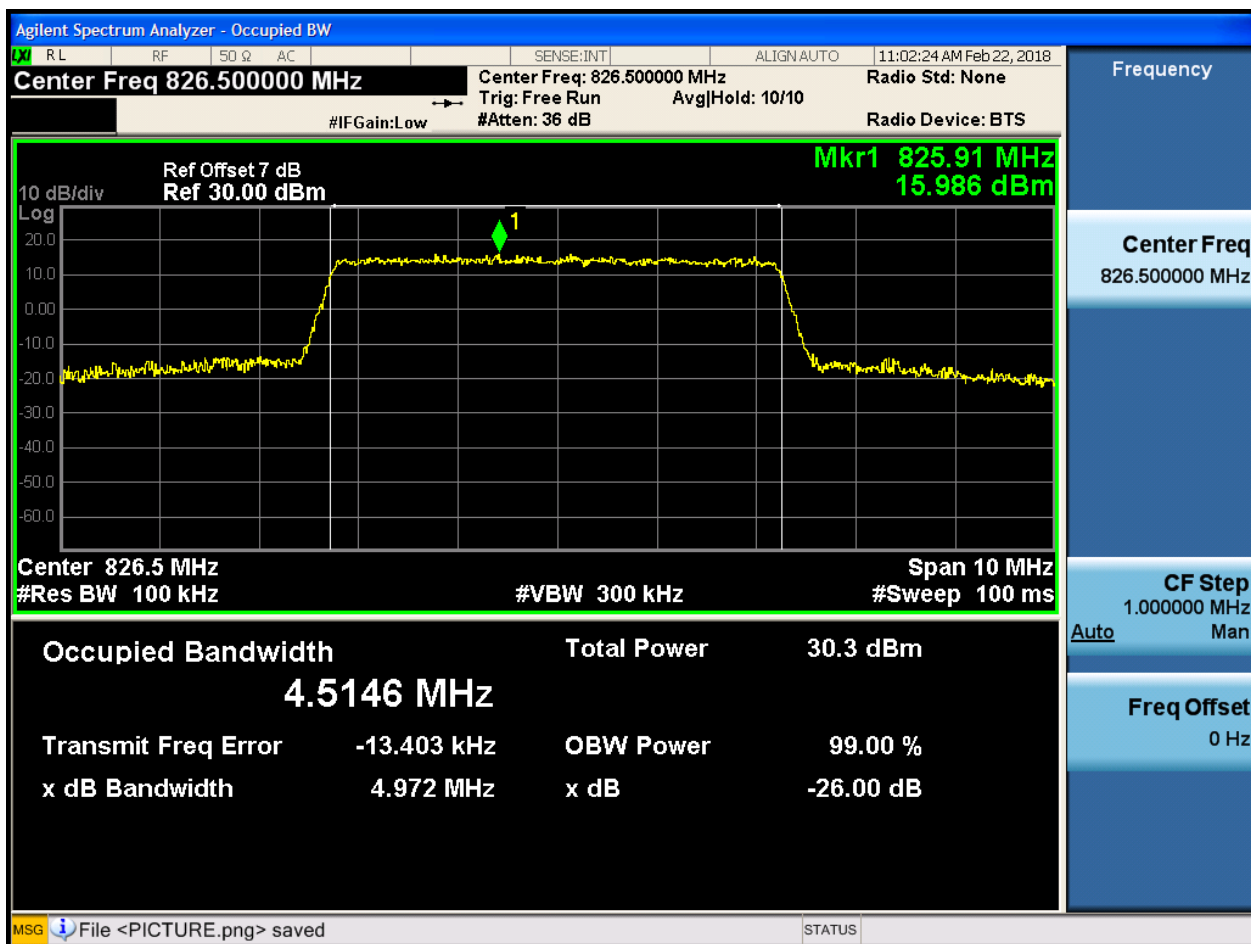




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

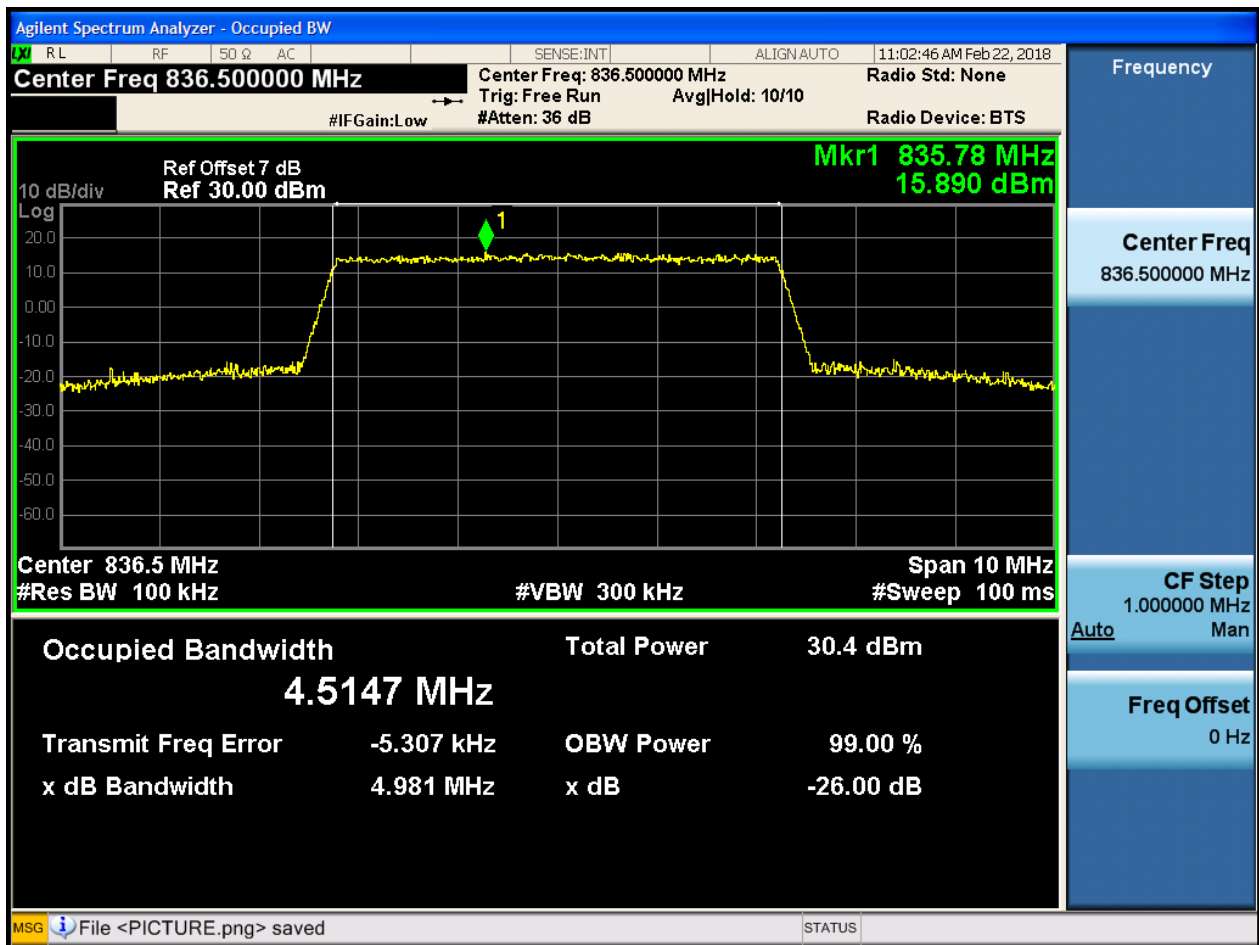
4.1.1.2.3.1.1 Test RB = RB25#0





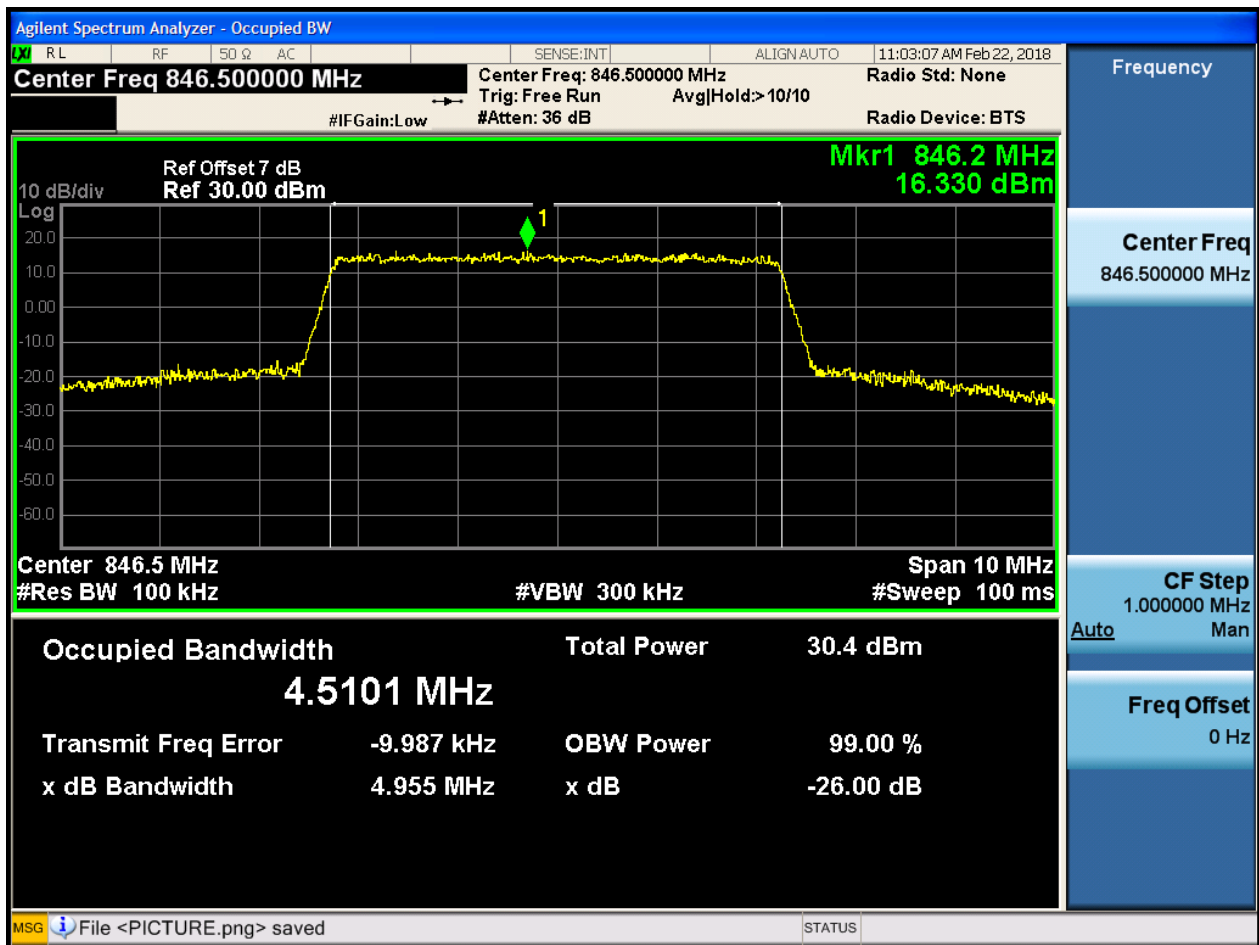
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0



4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

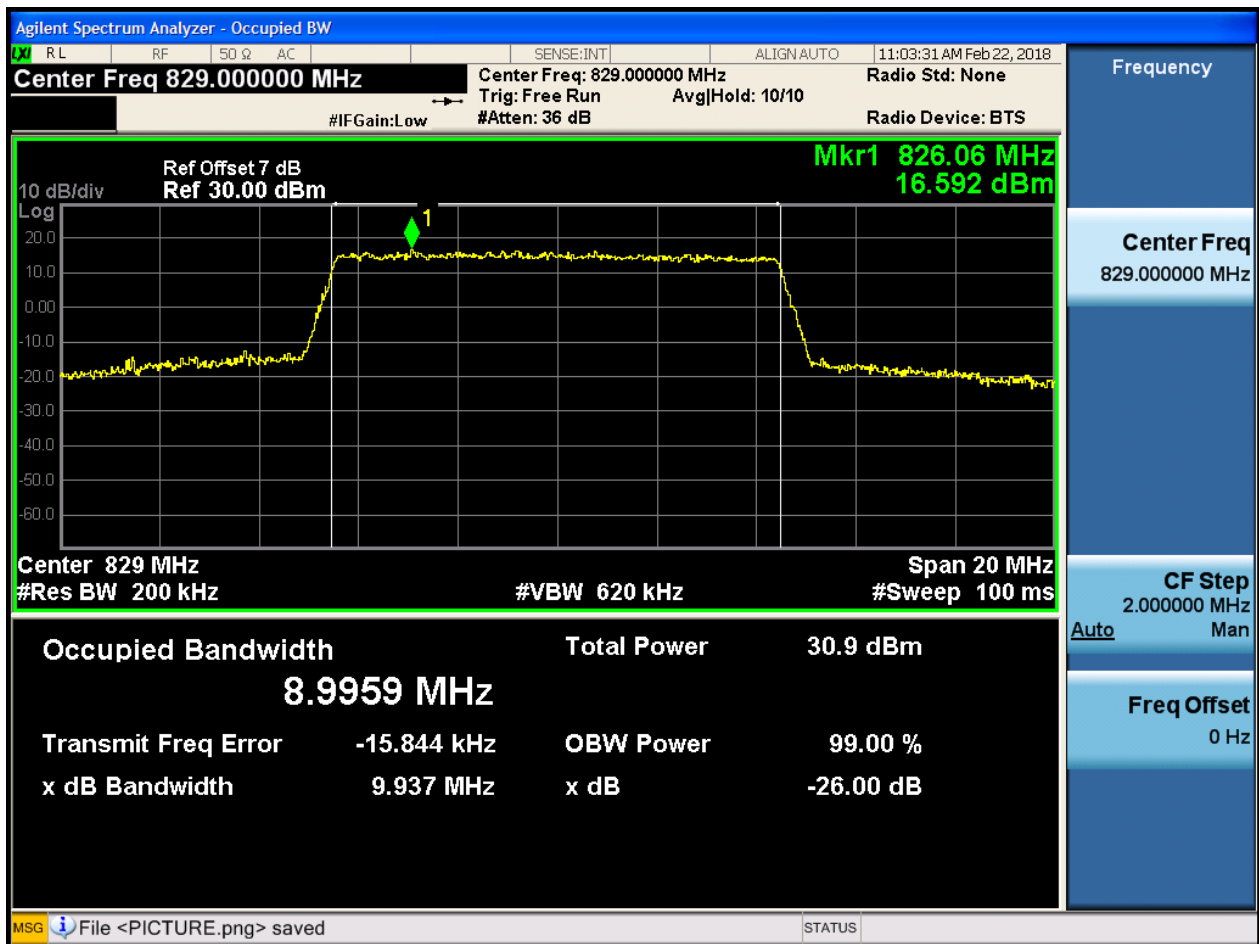




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

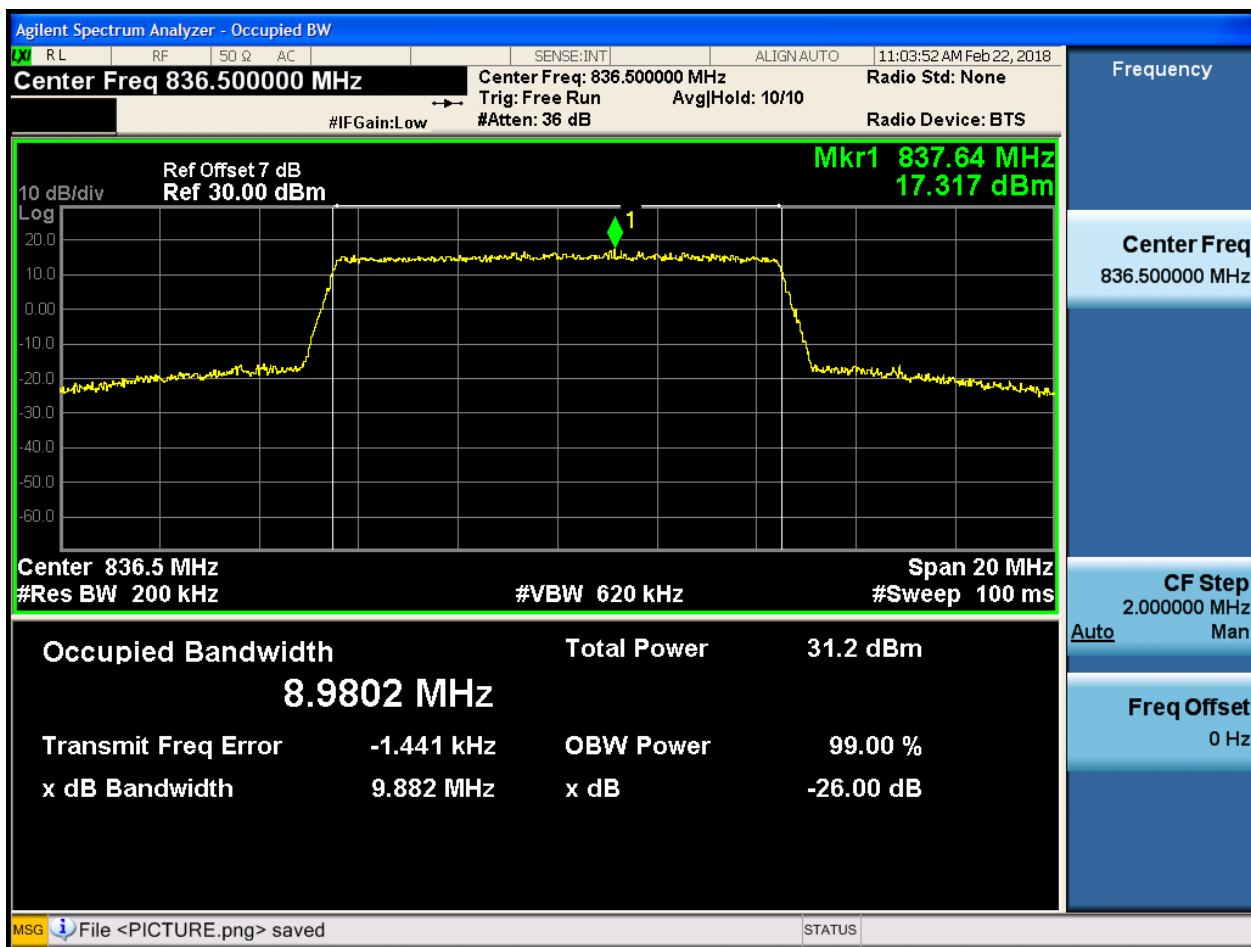
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

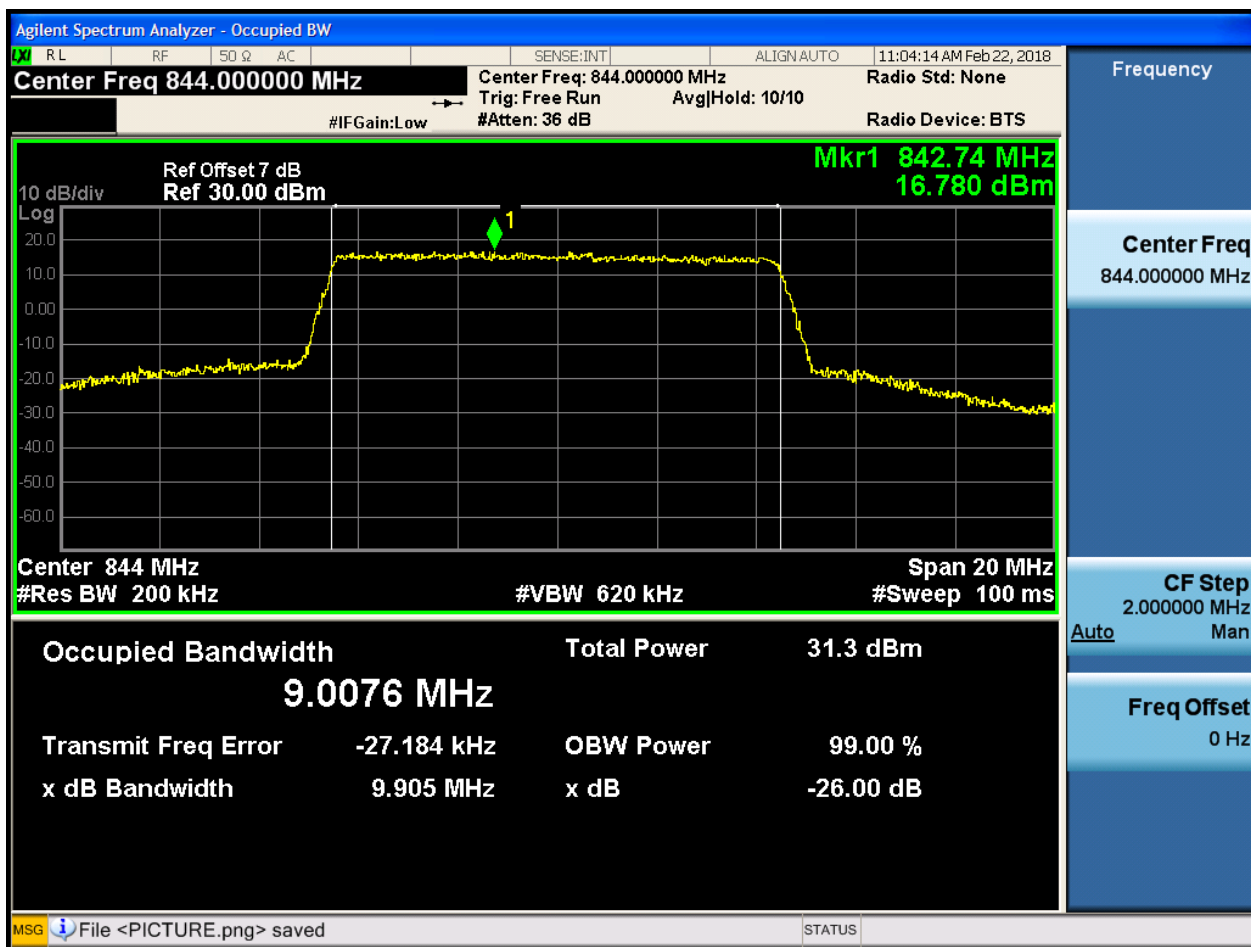
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0





5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

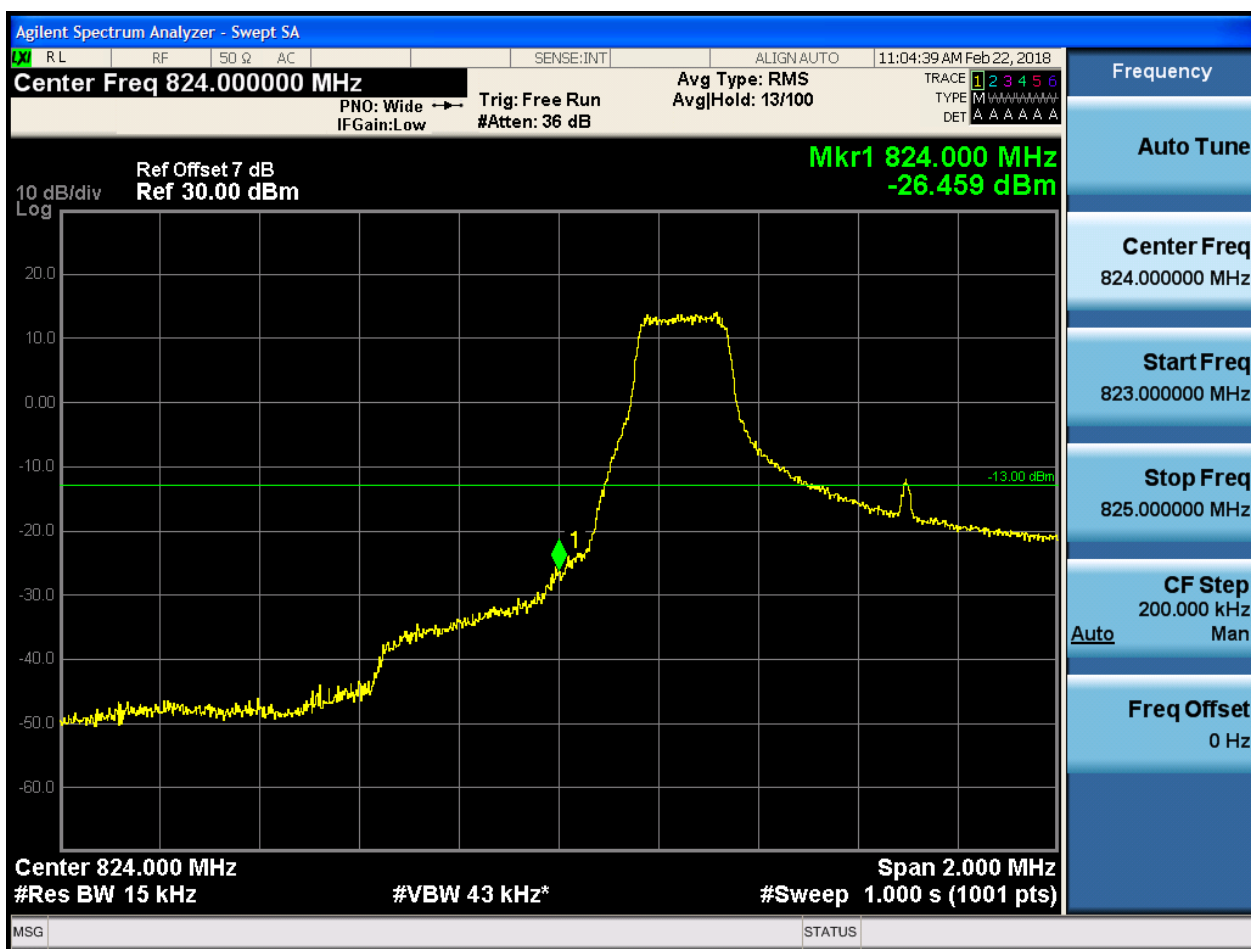
5.1.1 Test Band = BAND5

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

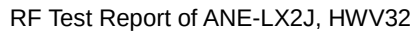
5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 823.980 MHz
-32.709 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

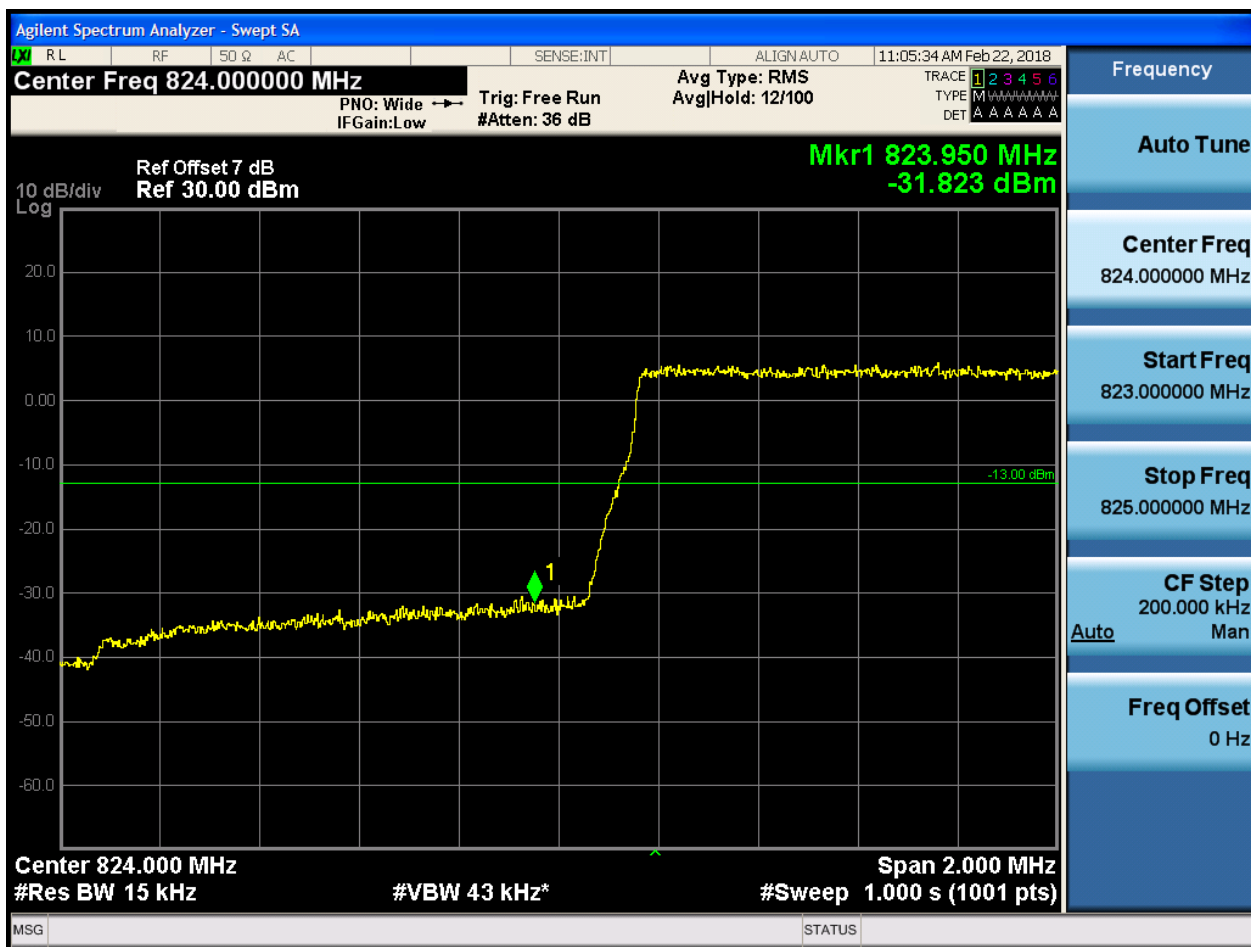
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



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

Mkr1 849.000 MHz
-28.084 dBm

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

Auto Tune

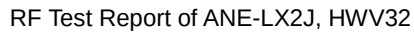
Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:06:35 AM Feb 22, 2018

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 11/100
#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

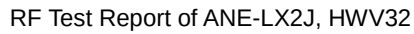
Mkr1 849.070 MHz
-30.349 dBm

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



Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.020 MHz
-34.098 dBm

Center 849.000 MHz
#Res BW 15 kHz
#VBW 43 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

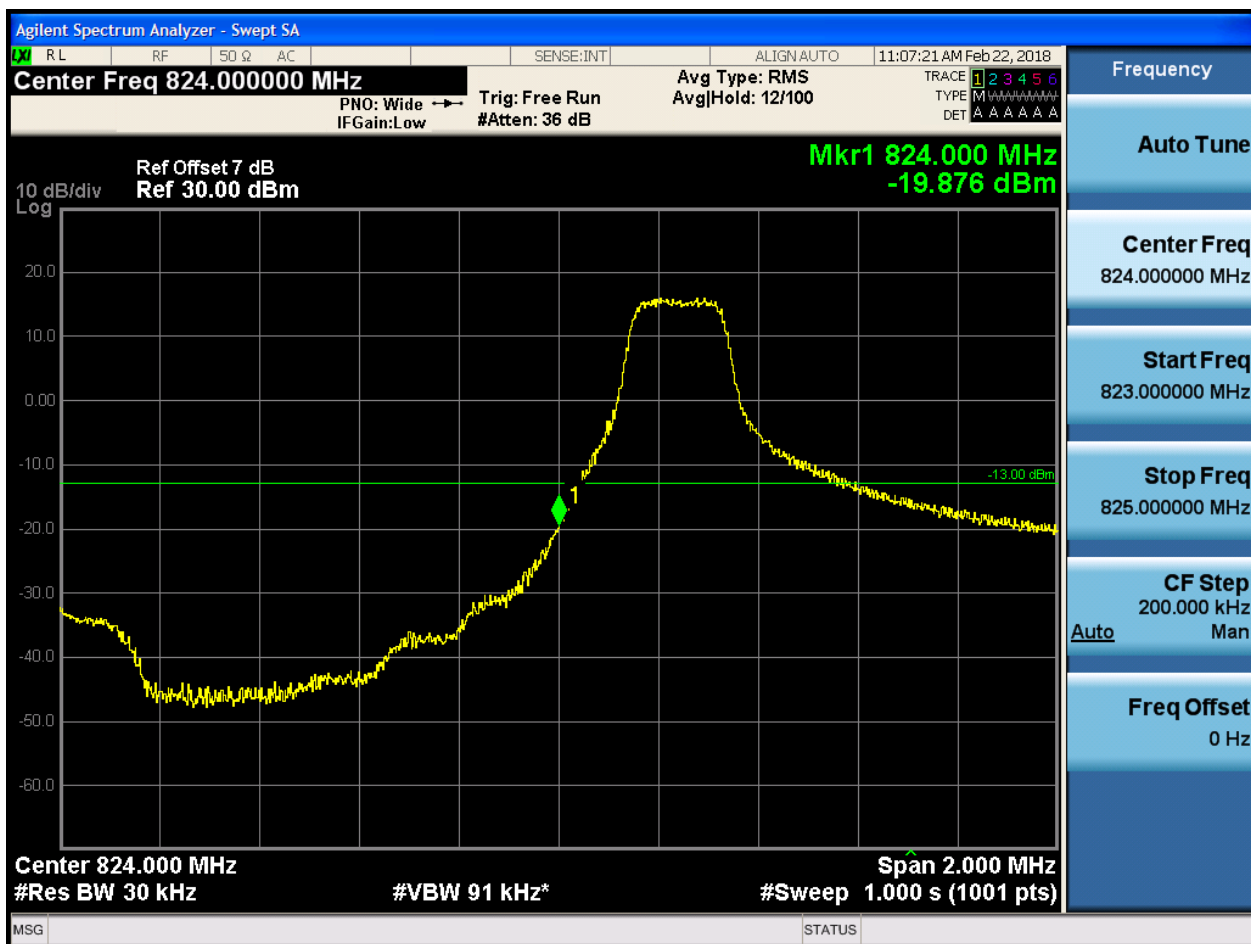
Freq Offset
0 Hz

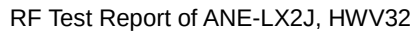


5.1.1.1.2 Test Bandwidth = 3

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 11:07:39 AM Feb 22, 2018

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 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-34.400 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

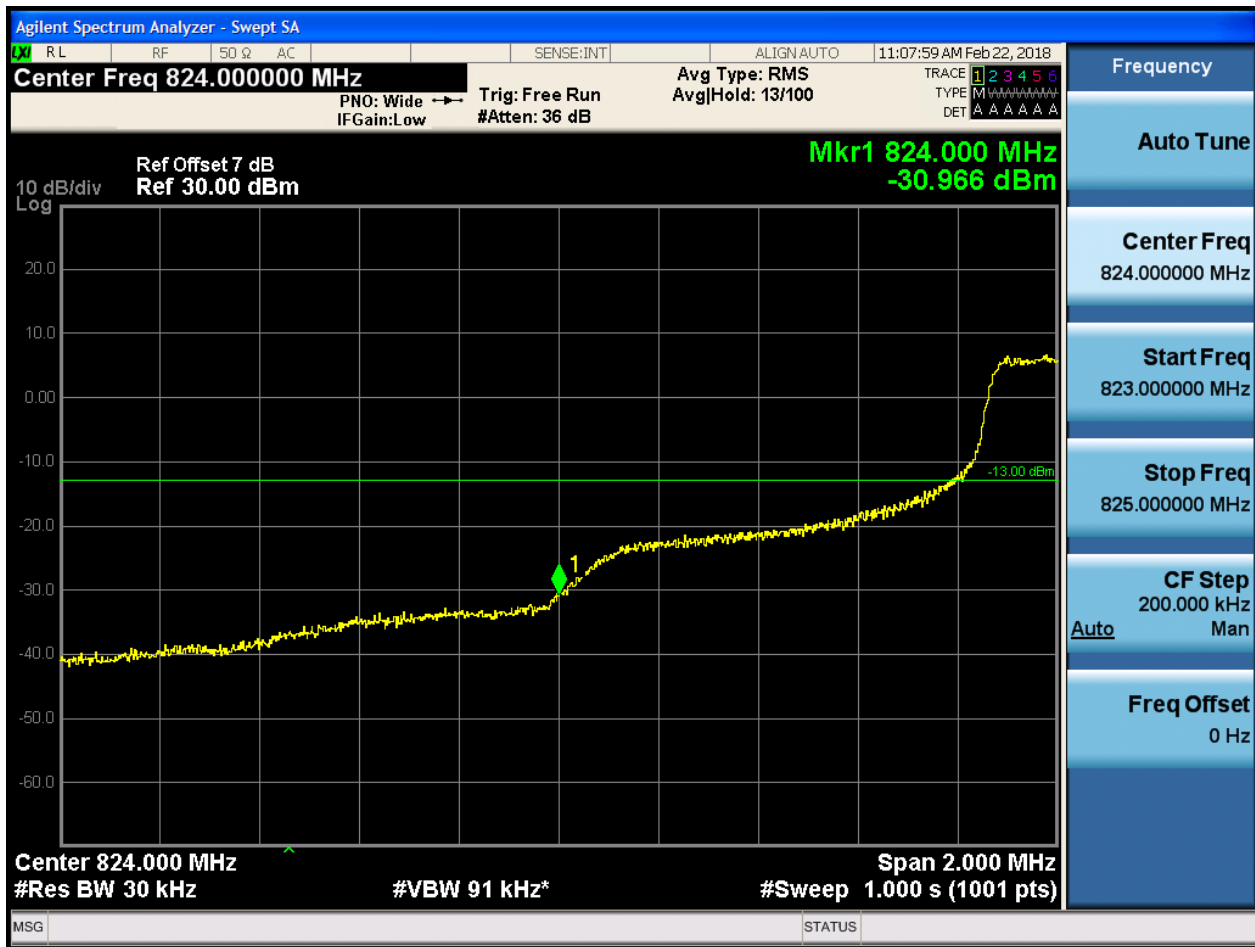
Stop Freq
825.000000 MHz

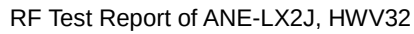
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:08:17 AM Feb 22, 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
-28.573 dBm

10 dB/div
Log

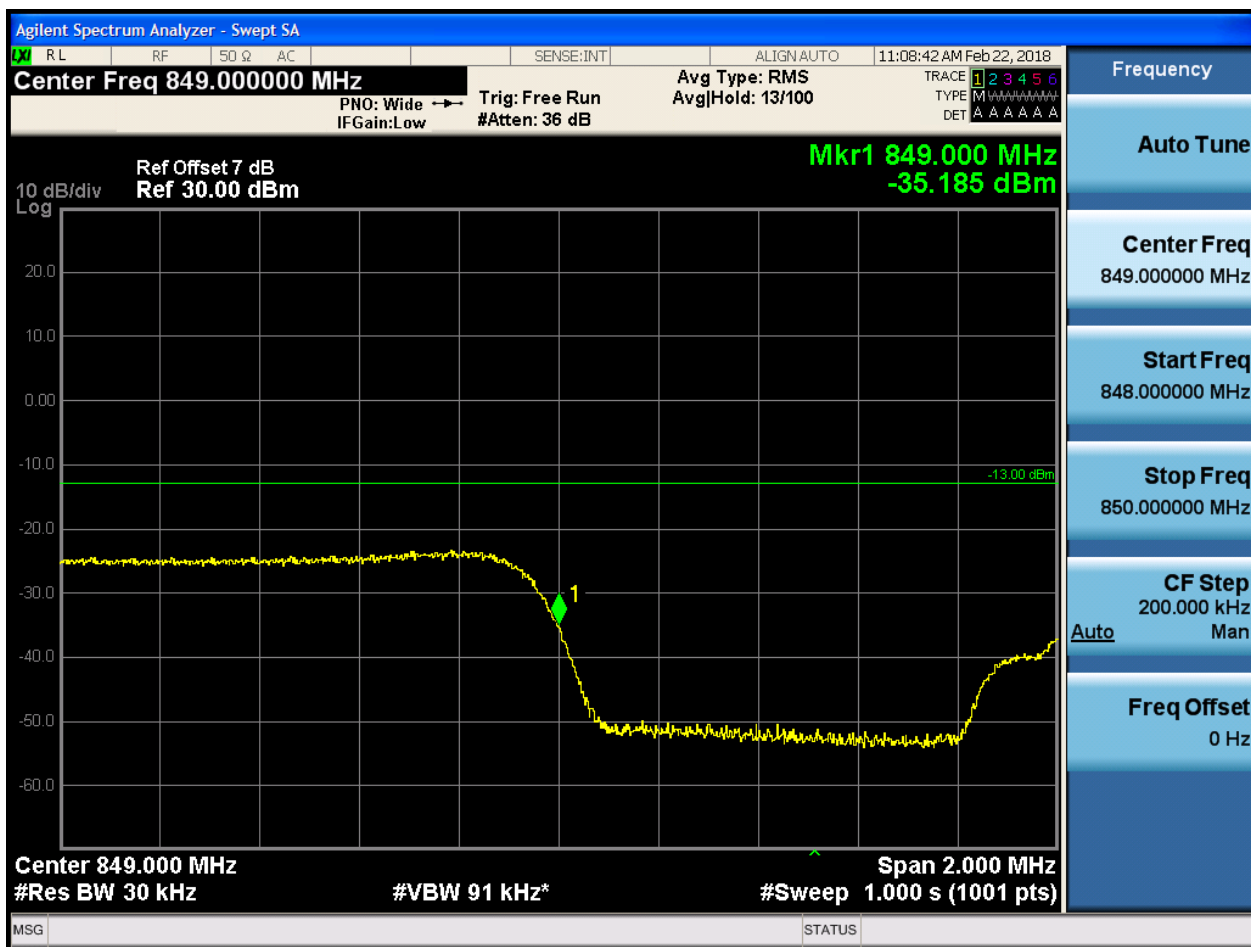
Center 824.000 MHz
#Res BW 30 kHz
#VBW 91 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



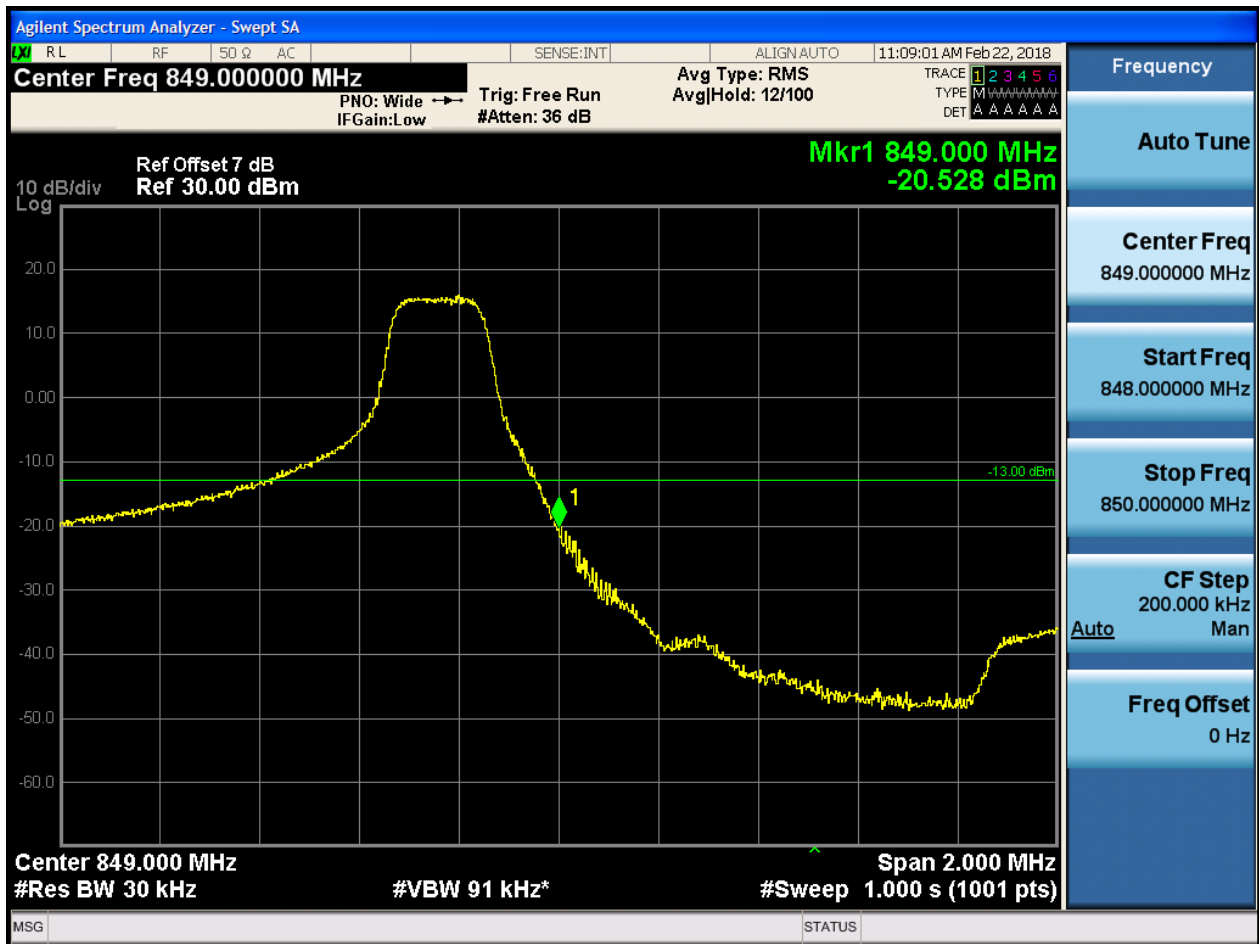
5.1.1.1.2.2 Test Channel = HCH

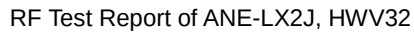
5.1.1.1.2.2.1 Test RB = RB1#0





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: 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

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-34.239 dBm

10 dB/div
Log

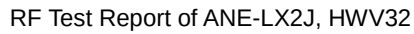
-13.00 dBm

Center 849.000 MHz
#Res BW 30 kHz

#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

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 11:09:40 AM Feb 22, 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
-30.802 dBm

10 dB/div
Log

20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

Center 849.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 91 kHz*

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

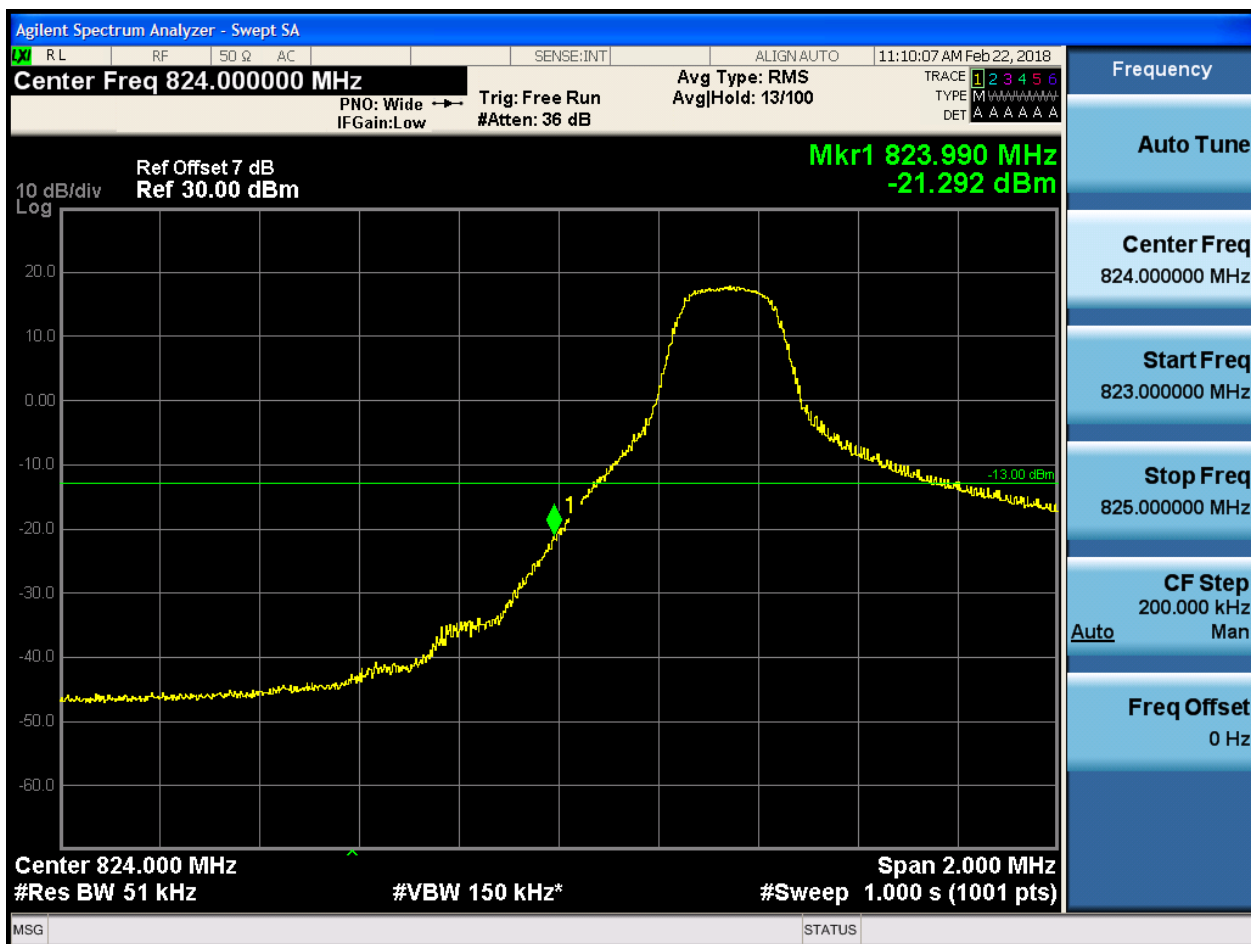
MSG STATUS

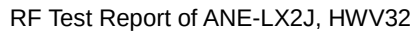


5.1.1.1.3 Test Bandwidth = 5

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 11:10:27 AM Feb 22, 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

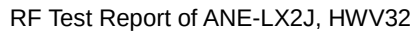
Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-38.324 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



Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 823.990 MHz
-31.204 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

The image shows a screenshot of an Agilent Spectrum Analyzer. The main display is a log-frequency plot with a grid. The vertical axis is labeled '10 dB/div Log' and ranges from -60.0 to 20.0 dBm. The horizontal axis represents frequency, with a center frequency of 824.000 MHz and a span of 2.000 MHz. A yellow trace shows the spectrum, with a peak at 823.990 MHz marked by a green diamond and labeled '1'. The peak level is -31.204 dBm. A horizontal green line is drawn at -13.00 dBm. The top of the screen displays various settings: Center Freq 824.000000 MHz, Ref Offset 7 dB, Ref 30.00 dBm, Mkr1 823.990 MHz, -31.204 dBm, Center 824.000 MHz, #Res BW 51 kHz, #VBW 150 kHz*, Span 2.000 MHz, #Sweep 1.000 s (1001 pts). The right side of the screen has a blue sidebar with buttons for Frequency, Auto Tune, Center Freq, Start Freq, Stop Freq, CF Step, and Freq Offset.



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:11:04 AM Feb 22, 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 824.000 MHz
-29.104 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

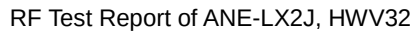
Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

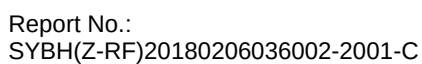
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

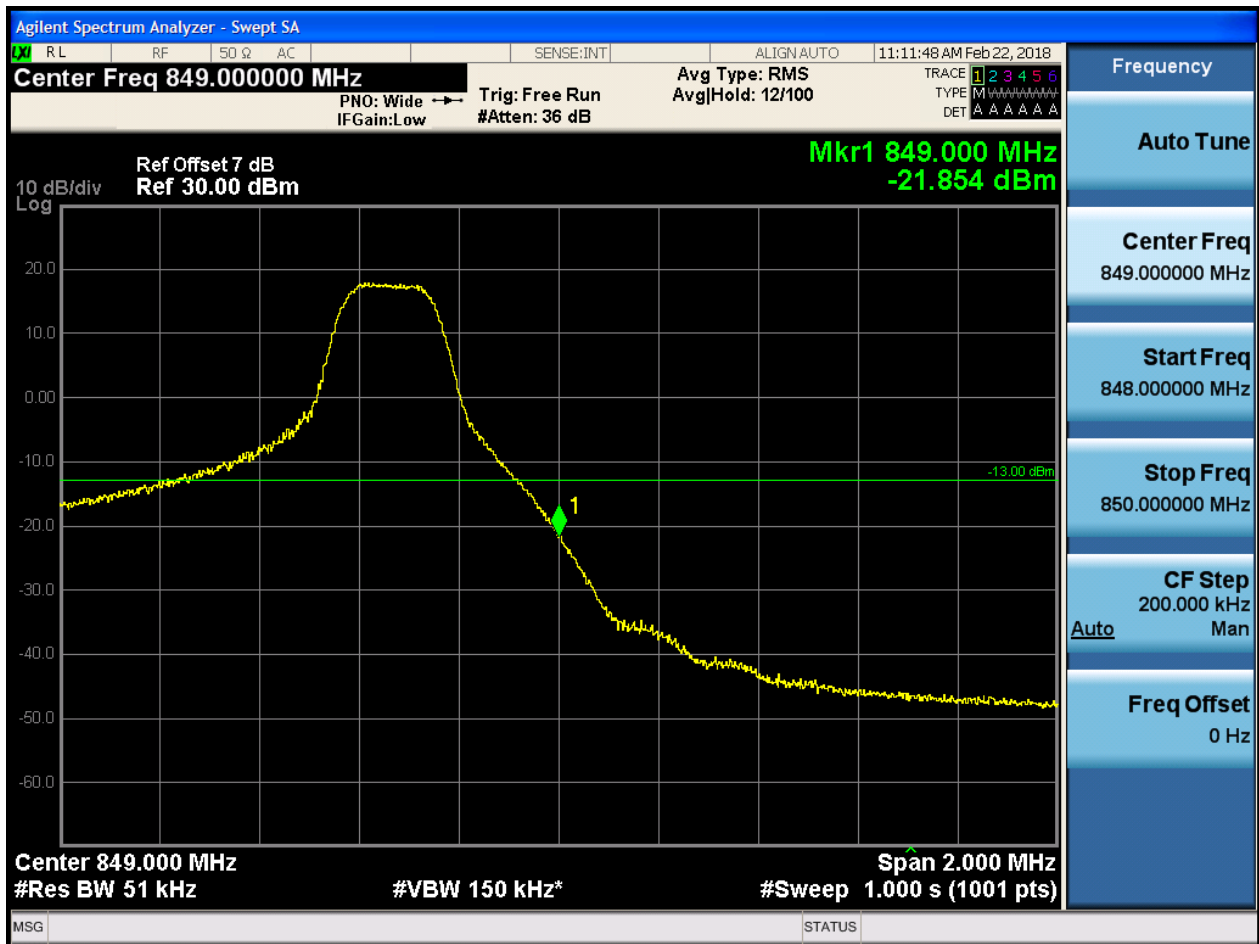


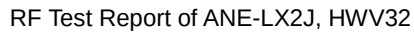
5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:12:07 AM Feb 22, 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 W W
DET A A A A A A

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-34.646 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



5.1.1.1.3.2.4 Test RB = RB25#0

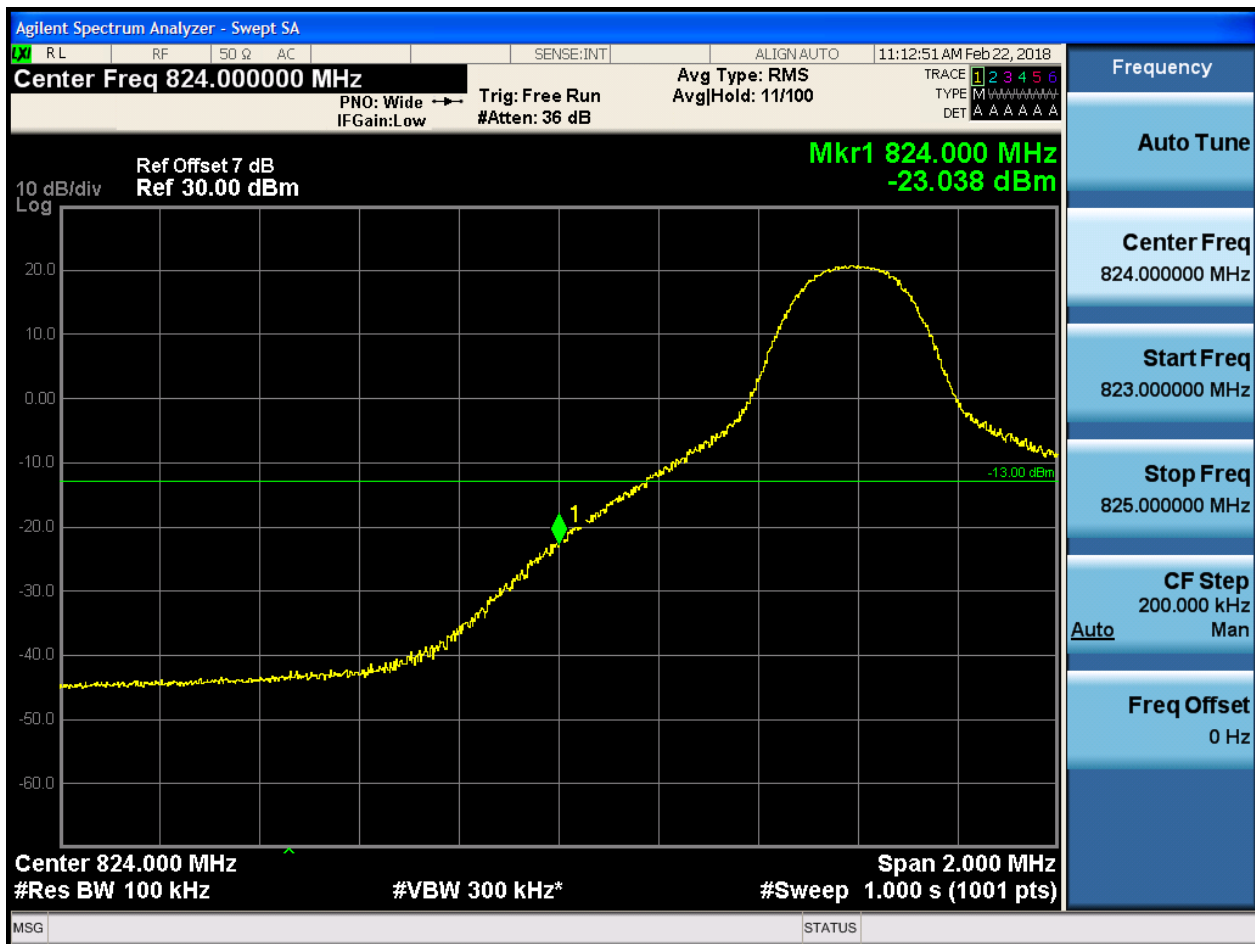




5.1.1.1.4 Test Bandwidth = 10

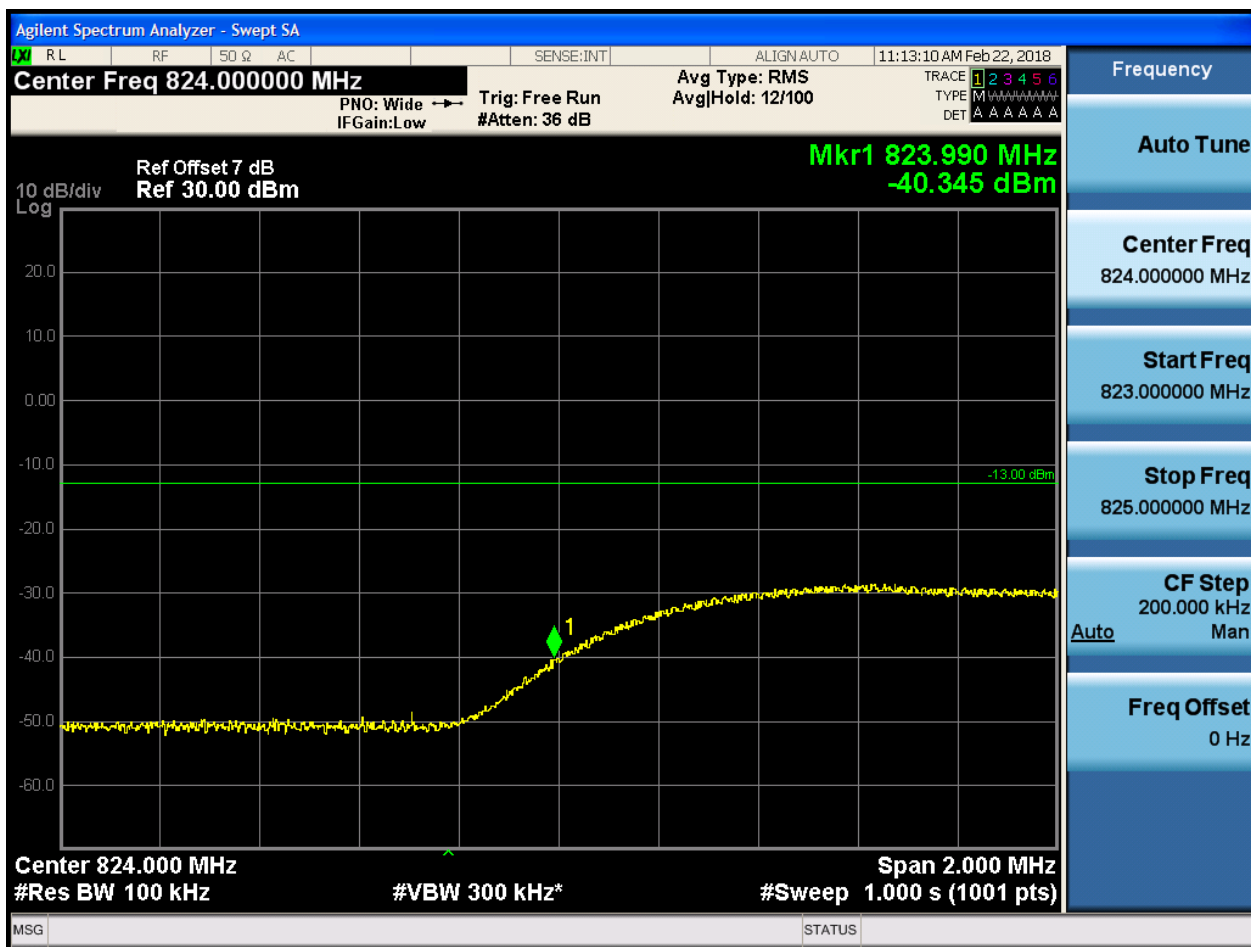
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



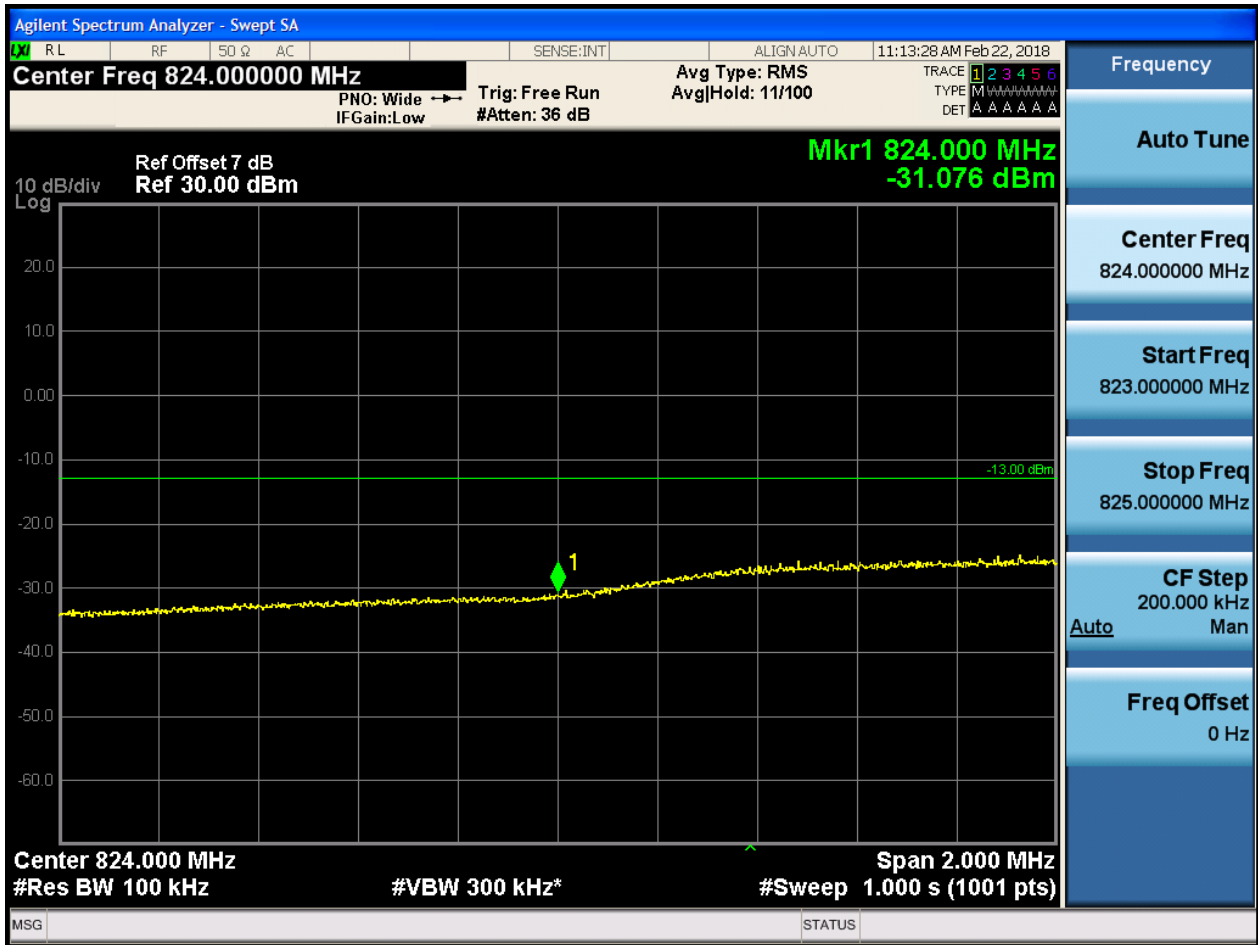


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





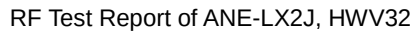
5.1.1.1.4.1.4 Test RB = RB50#0



5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:14:30 AM Feb 22, 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 W W
DET A A A A A A

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 849.010 MHz
-24.111 dBm

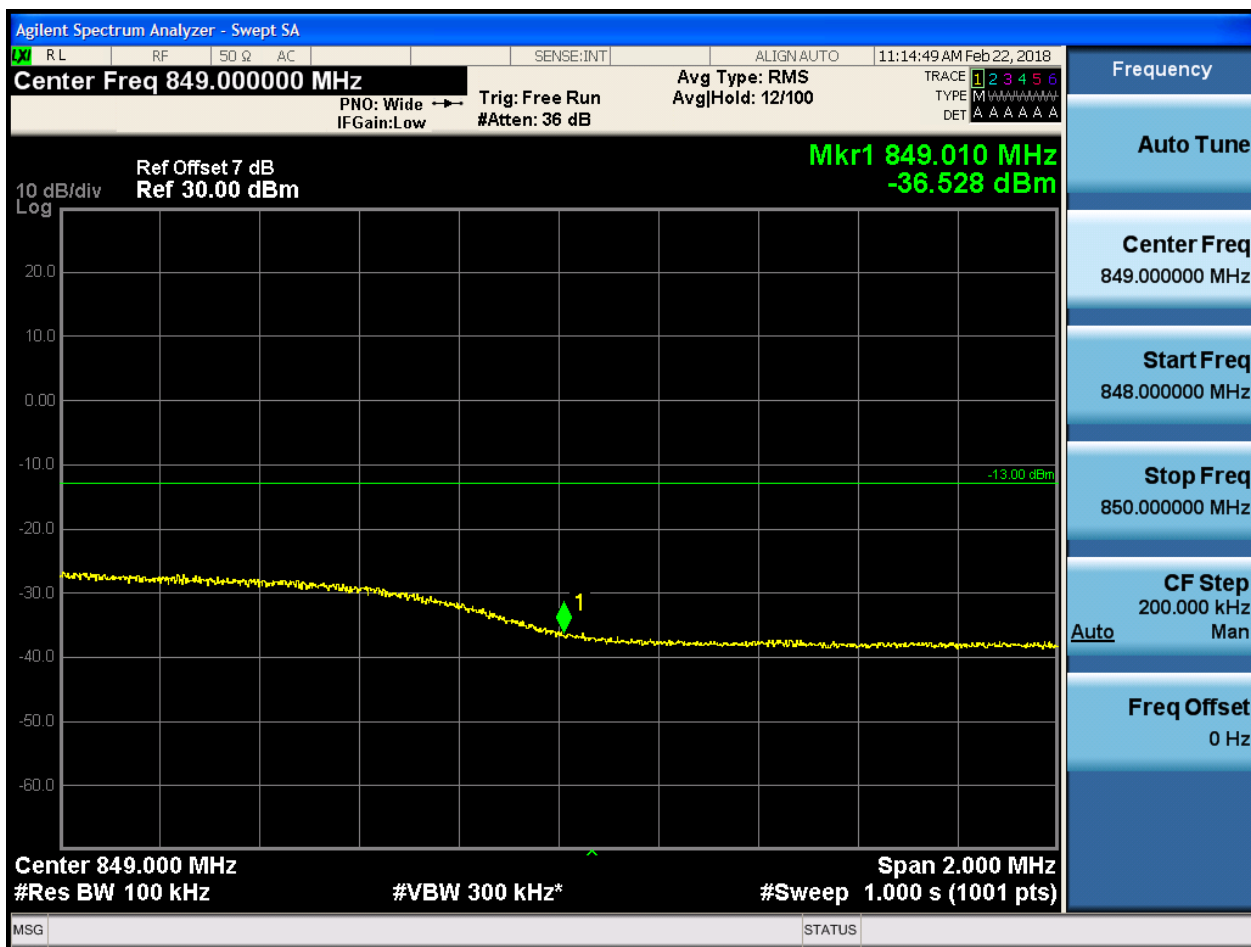
10 dB/div
Log

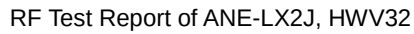
Center 849.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



5.1.1.1.4.2.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:15:06 AM Feb 22, 2018

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 11/100
#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
-33.966 dBm

10 dB/div
Log

20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-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

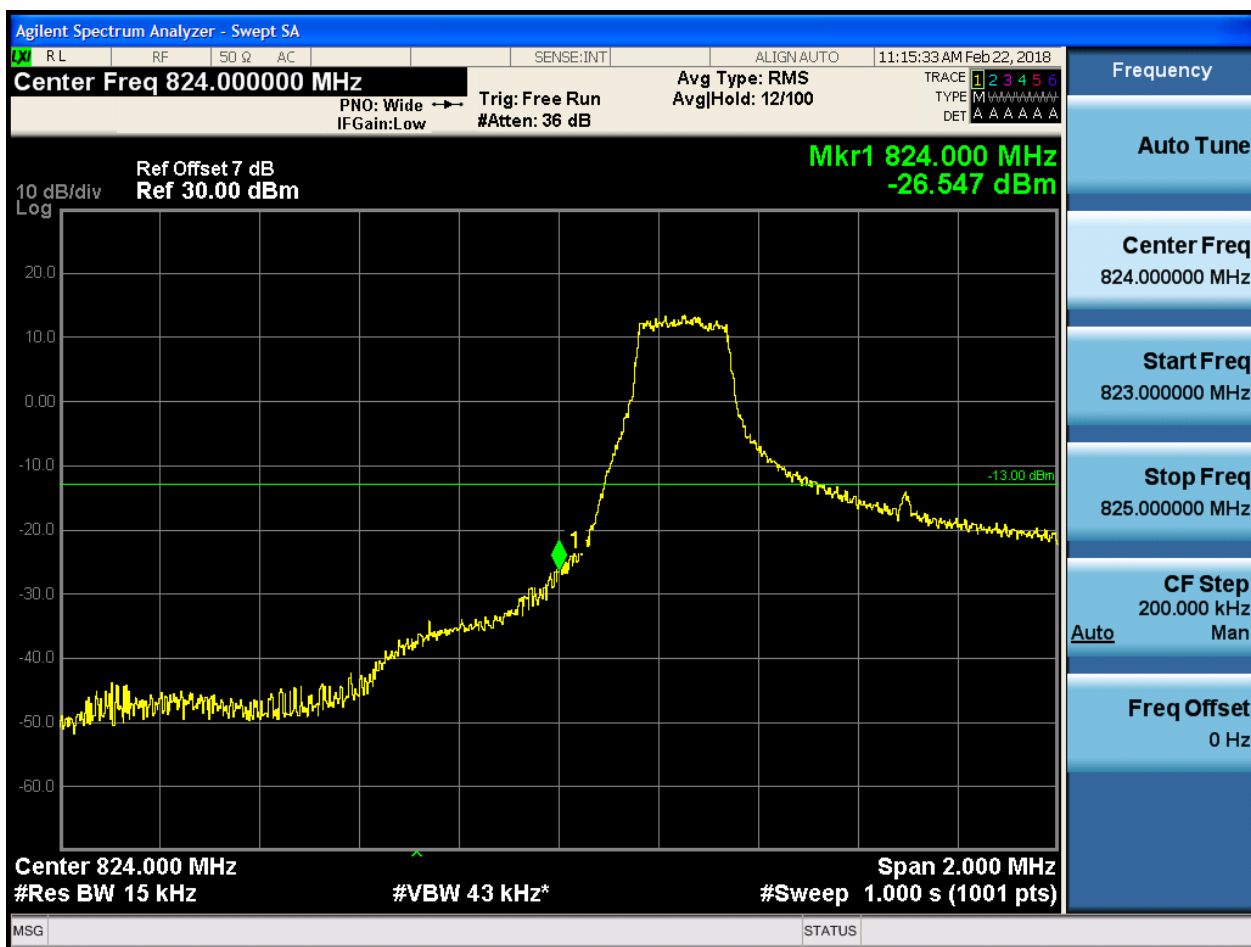


5.1.1.2 Test Mode = LTE/TM2

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



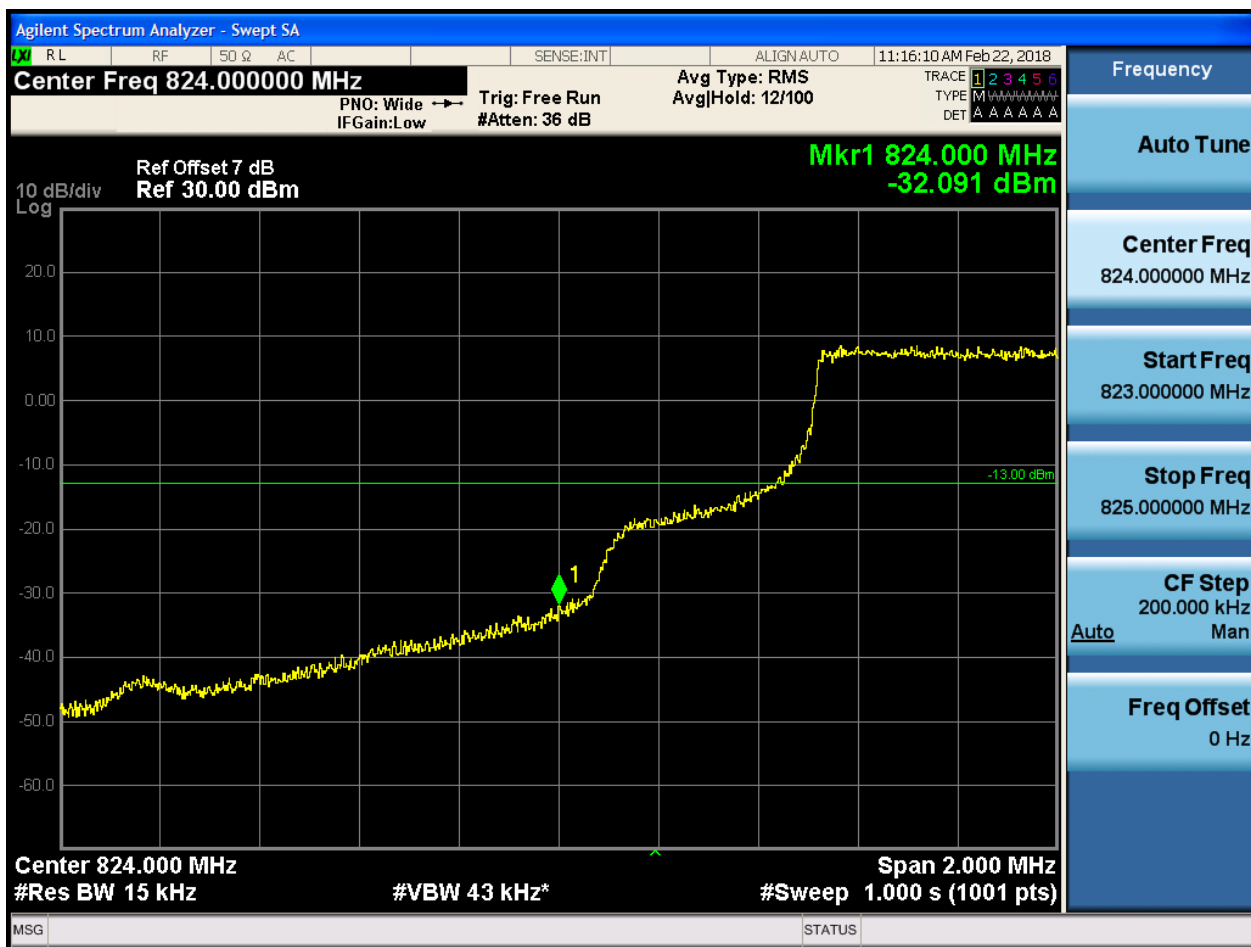


5.1.1.2.1.1.2 Test RB = RB1#5



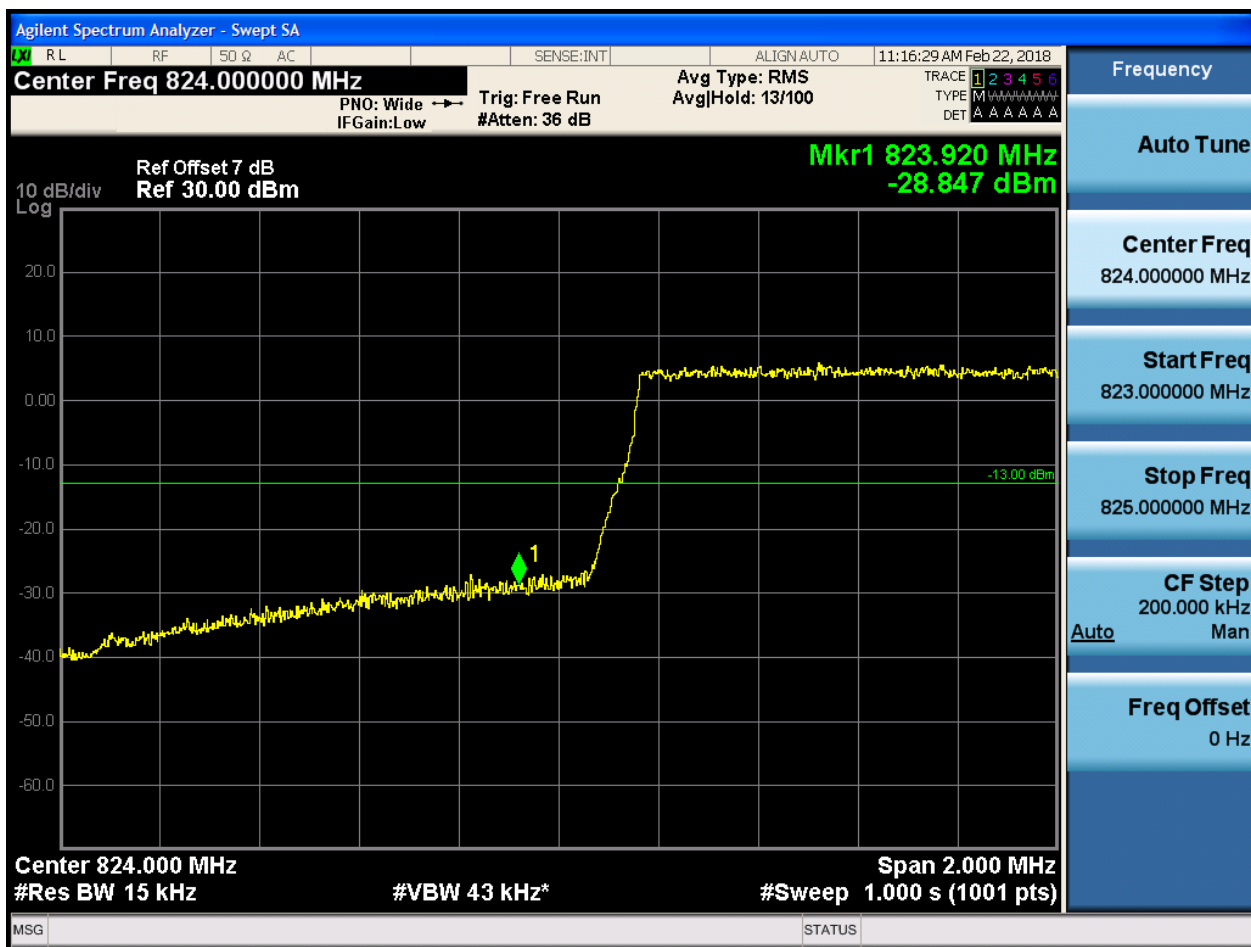


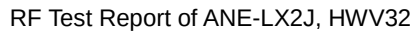
5.1.1.2.1.1.3 Test RB = RB3#2



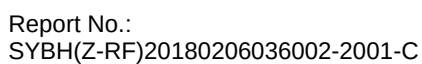


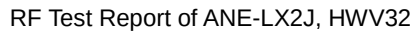
5.1.1.2.1.1.4 Test RB = RB6#0





5.1.1.2.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:17:12 AM Feb 22, 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 W W
DET A A A A A A

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 849.010 MHz
-29.818 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 15 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 43 kHz*

MSG STATUS

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

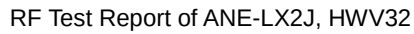
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.2.1.2.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:17:50 AM Feb 22, 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 W W
DET A A A A A A

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 849.060 MHz
-29.805 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)

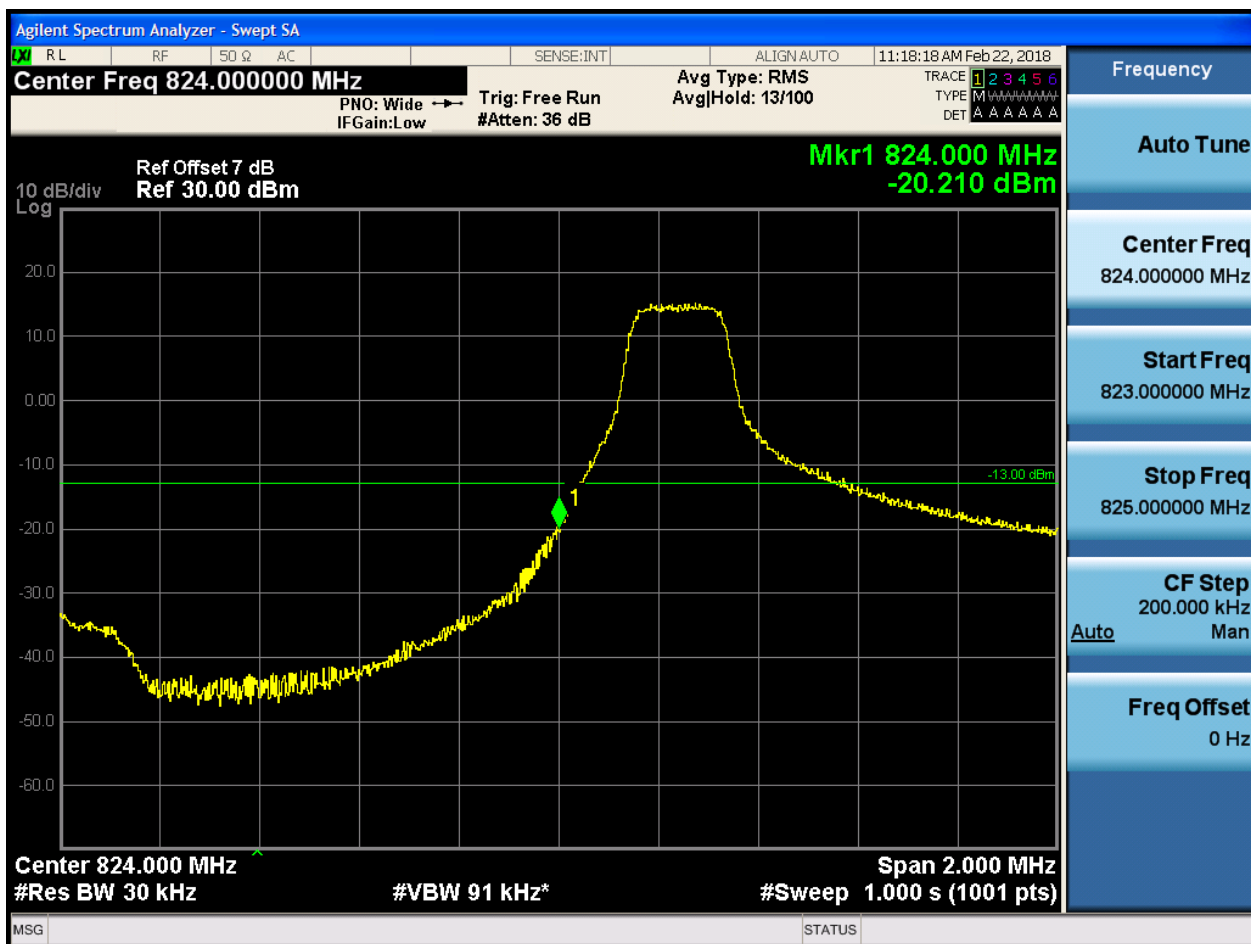
MSG STATUS



5.1.1.2.2 Test Bandwidth = 3

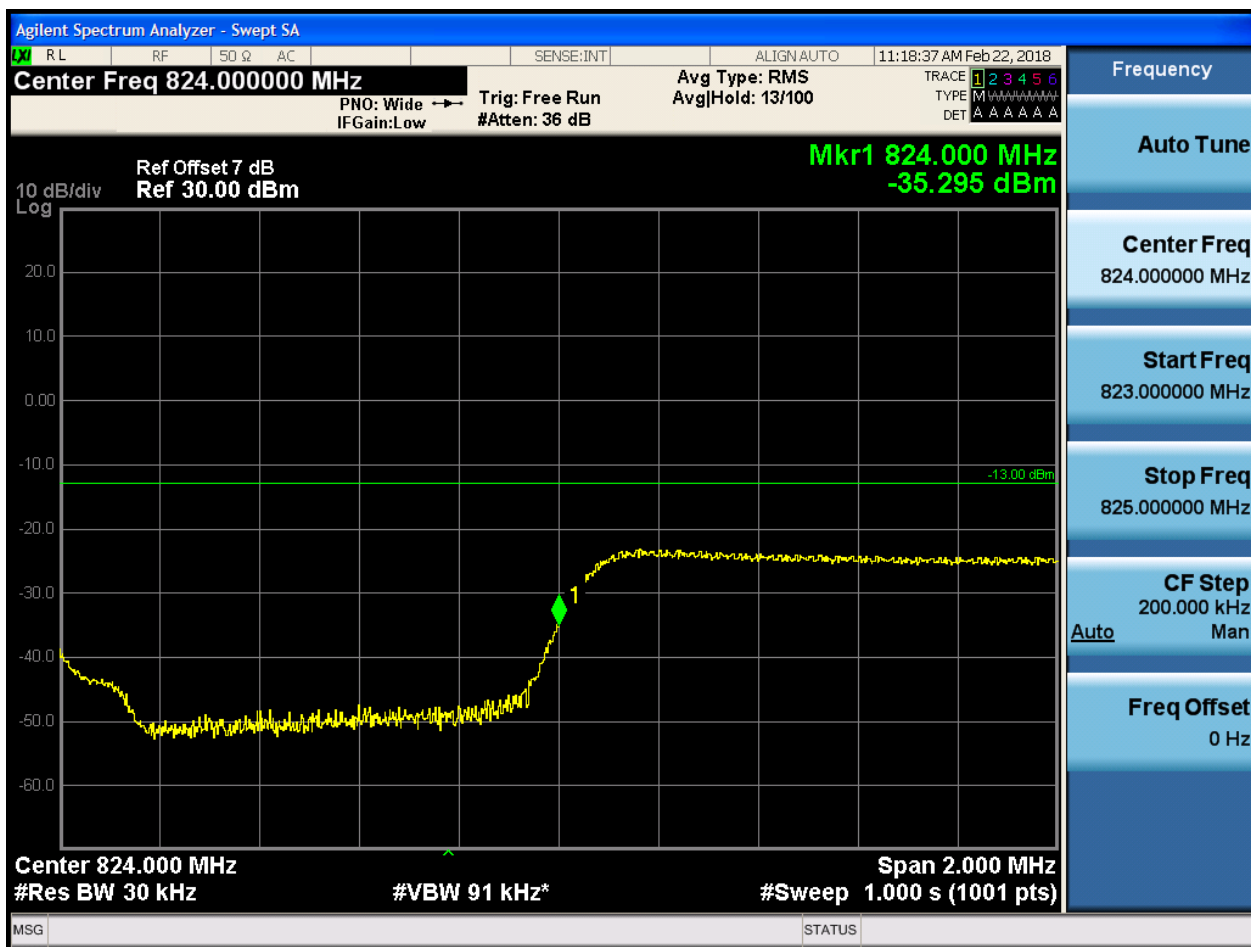
5.1.1.2.2.1 Test Channel = LCH

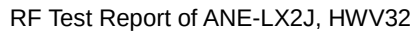
5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-28.779 dBm

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

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

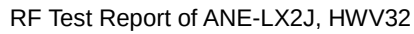
Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:19:15 AM Feb 22, 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
-28.143 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

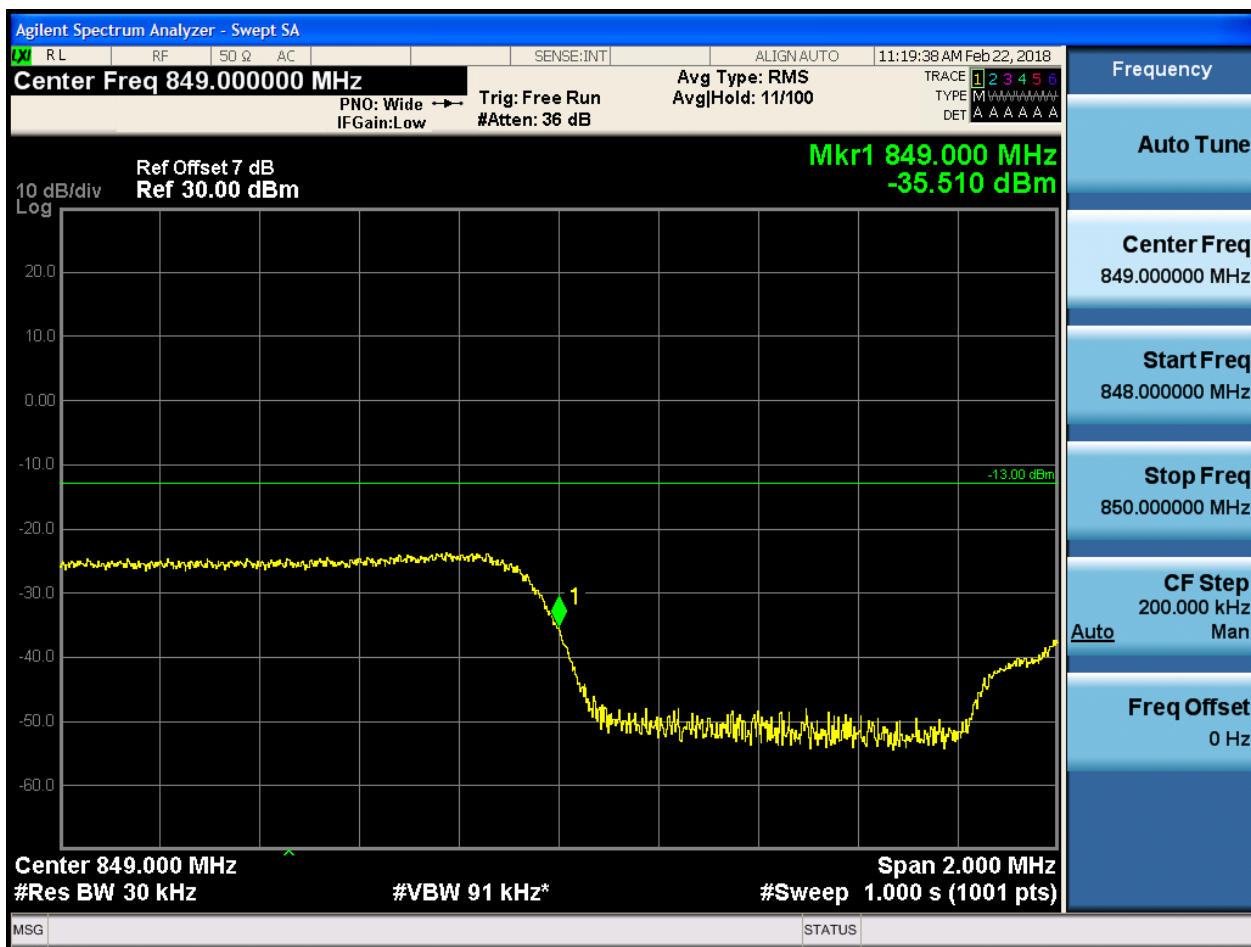
CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 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

Span 2.000 MHz
#Res BW 30 kHz
#VBW 91 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

Mkr1 849.000 MHz
-19.569 dBm

1

-13.00 dBm

Center 849.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



5.1.1.2.2.3 Test RB = RB8#4





5.1.1.2.2.4 Test RB = RB15#0

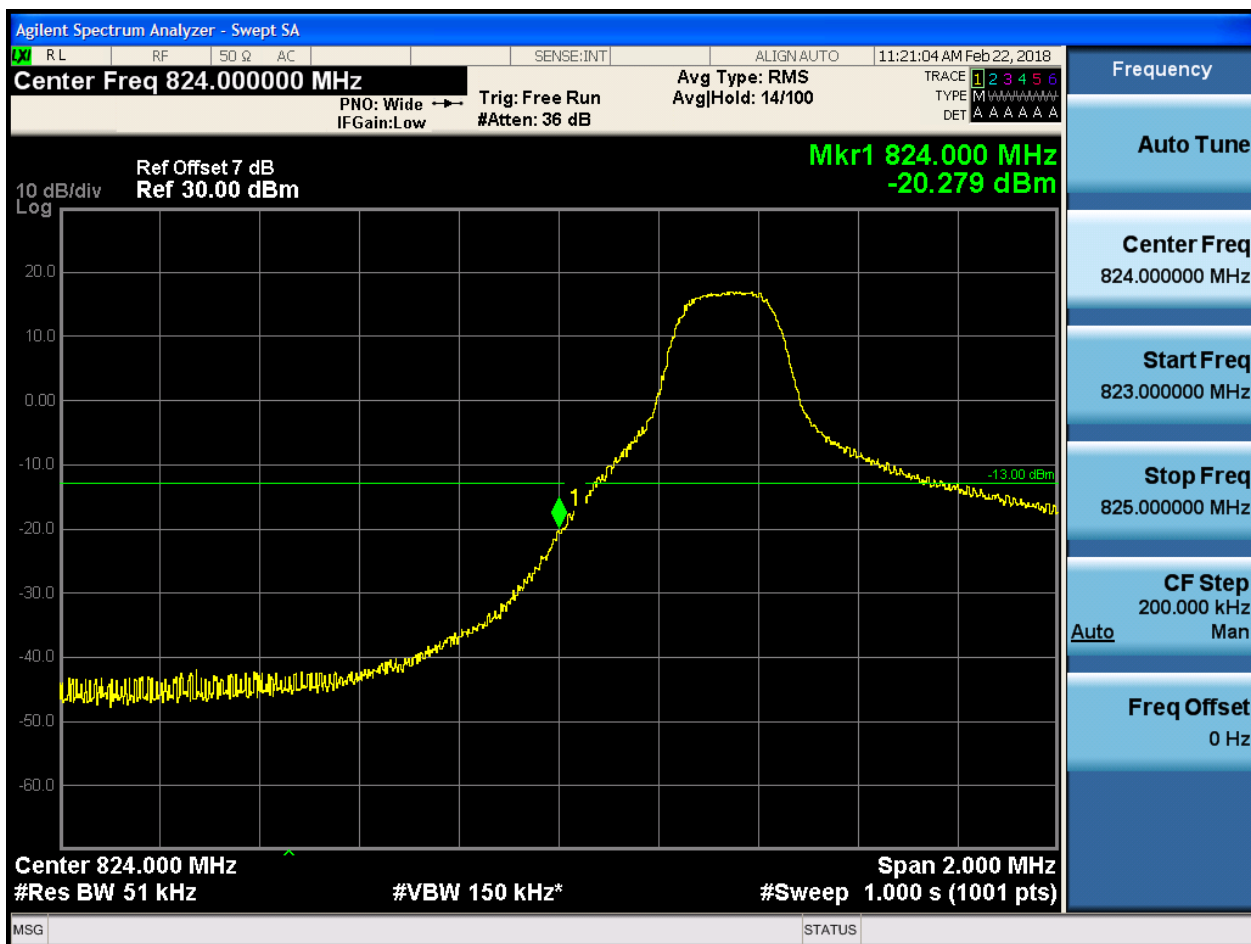




5.1.1.2.3 Test Bandwidth = 5

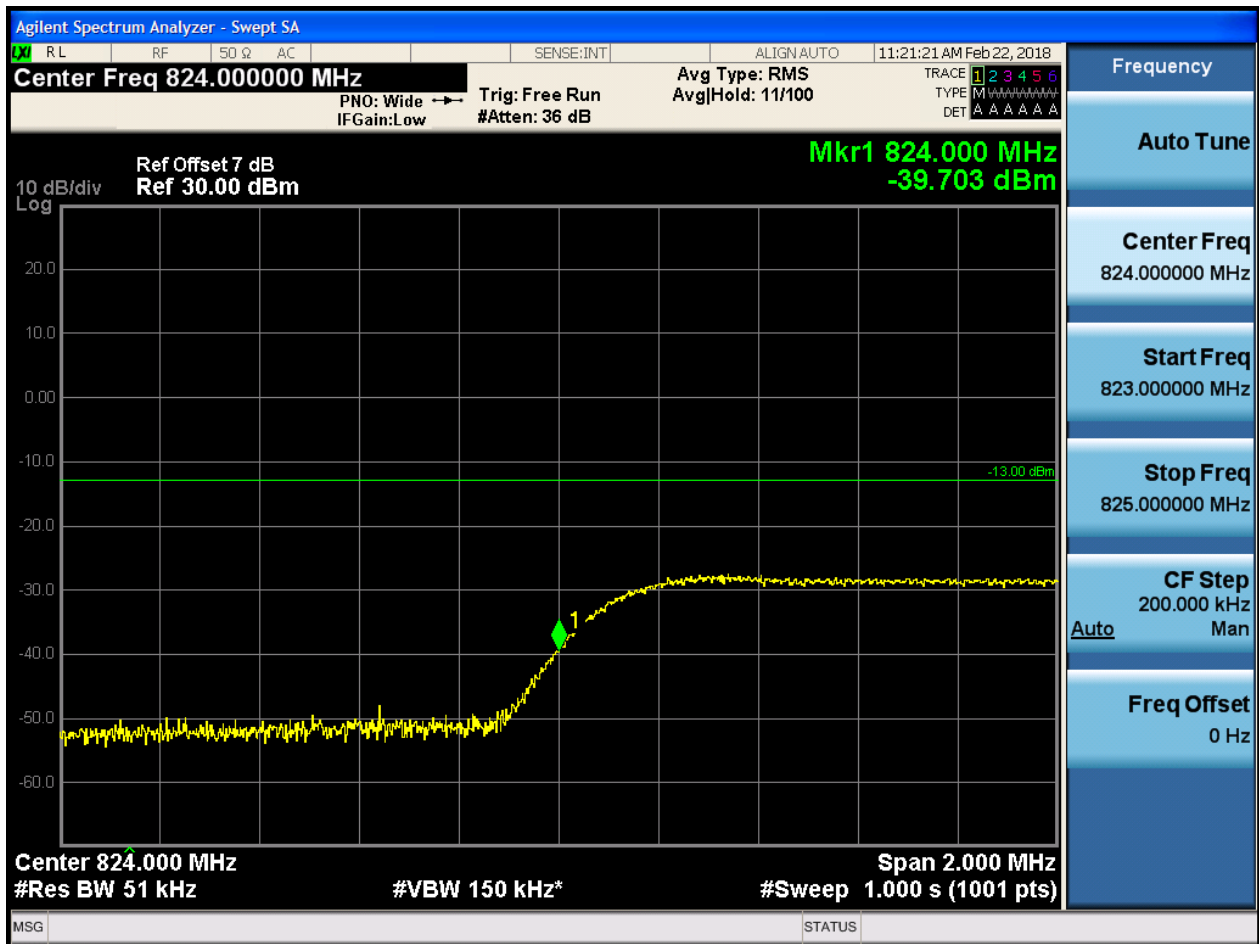
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:21:41 AM Feb 22, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 14/100
#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

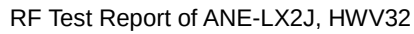
Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-30.208 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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:22:02 AM Feb 22, 2018

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 14/100
#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
-28.171 dBm

10 dB/div
Log

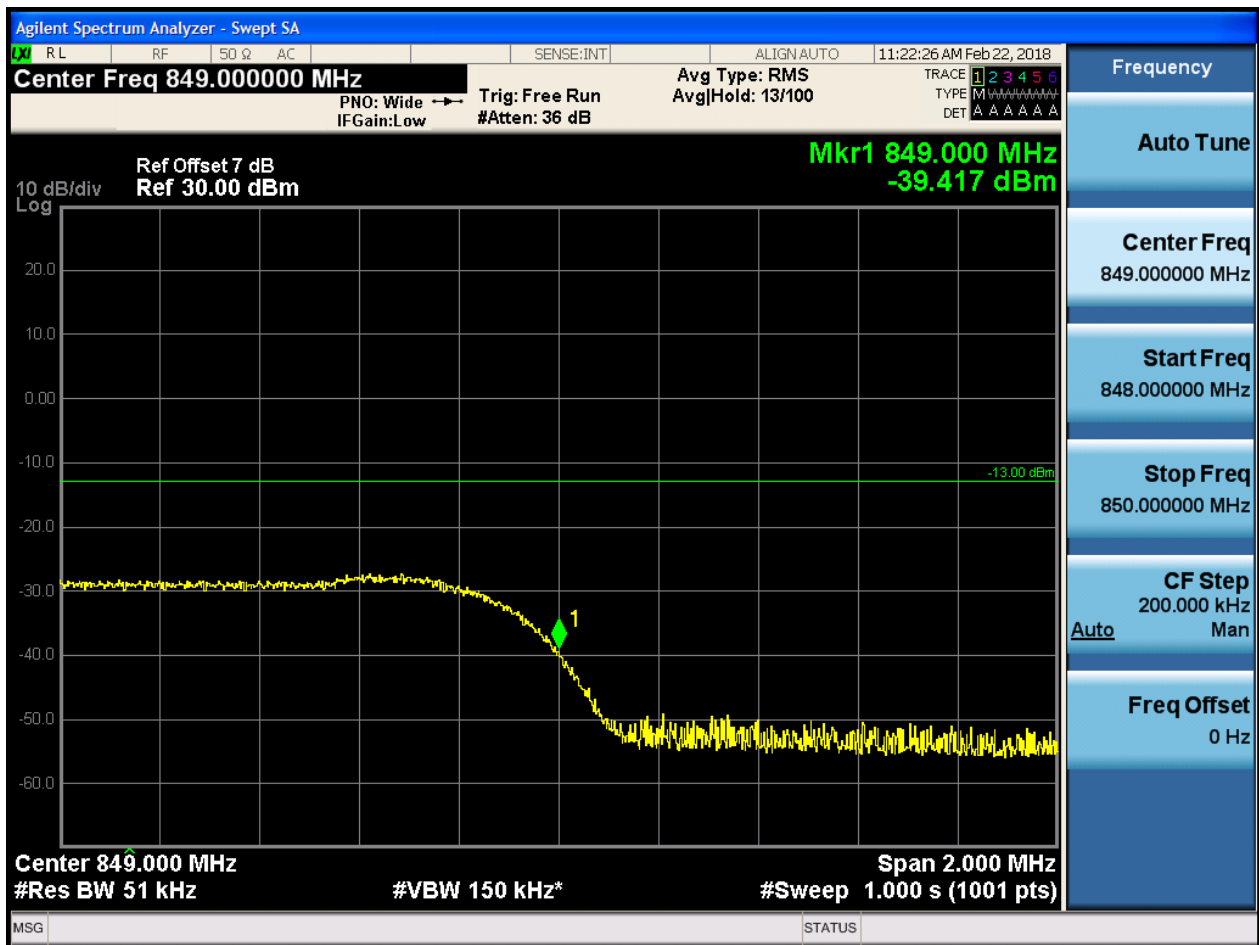
Center 824.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



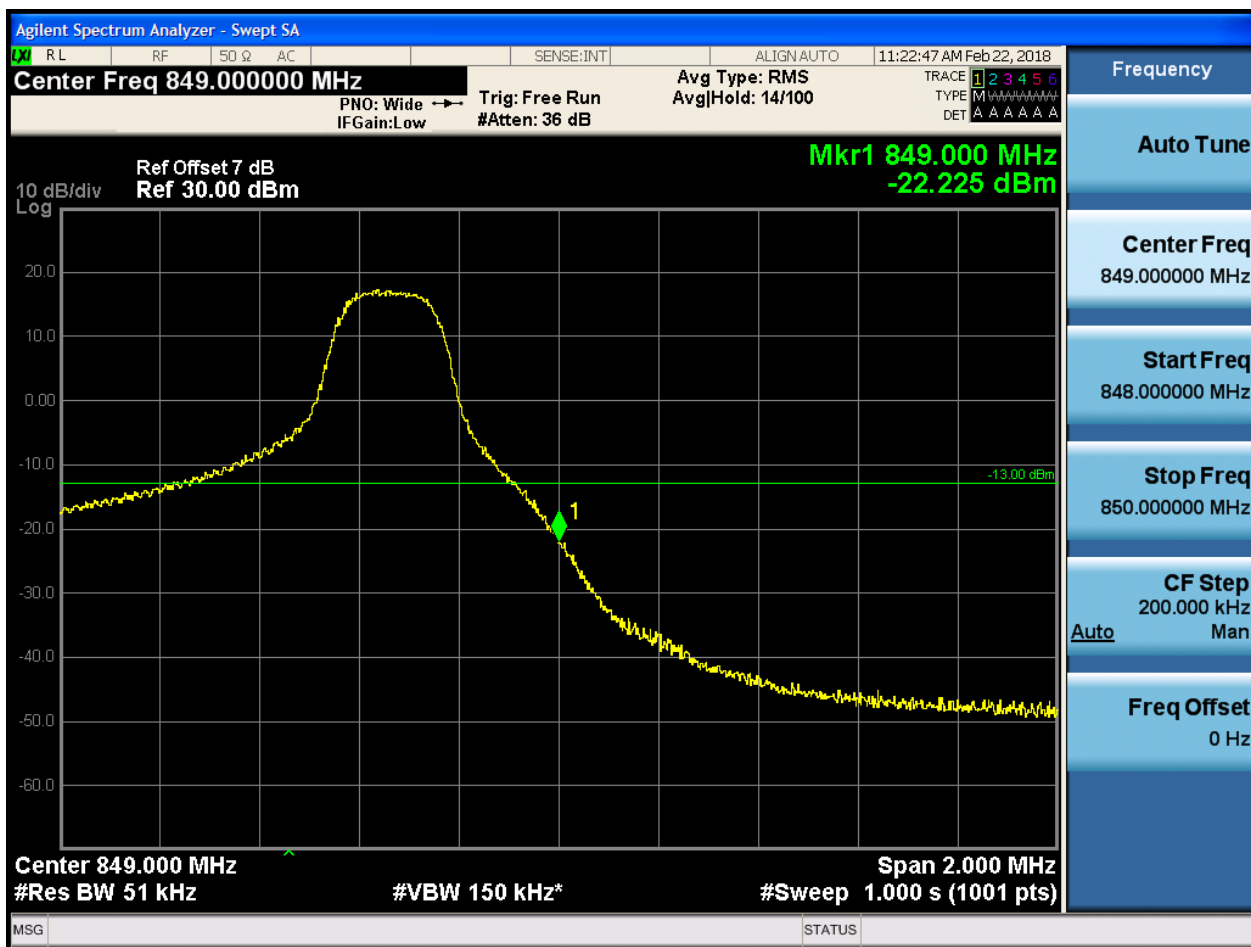
5.1.1.2.3.2 Test Channel = HCH

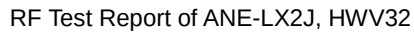
5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.010 MHz
-34.655 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

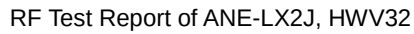
Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:23:25 AM Feb 22, 2018

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 14/100
#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
-31.734 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 849.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 150 kHz*

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

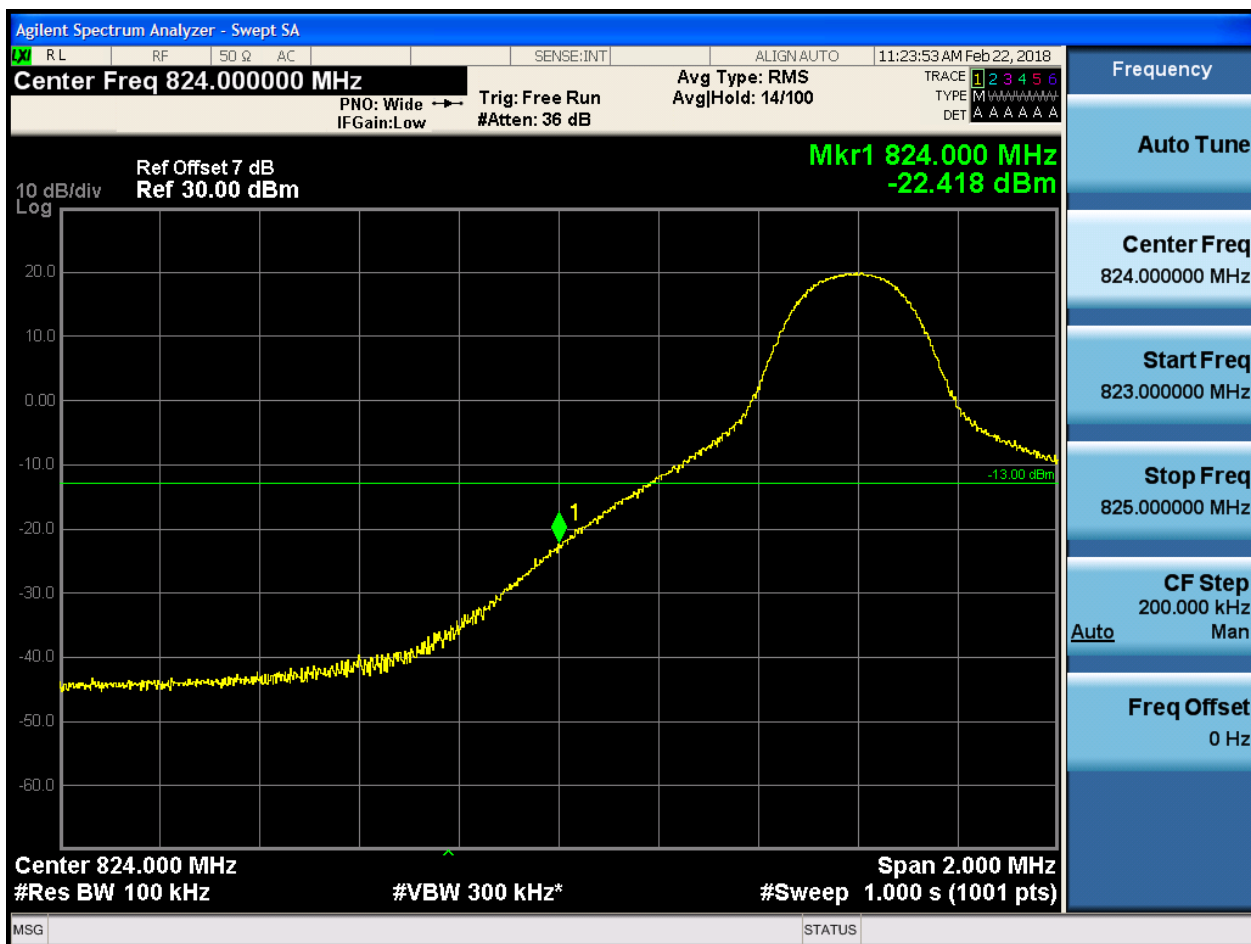
MSG STATUS



5.1.1.2.4 Test Bandwidth = 10

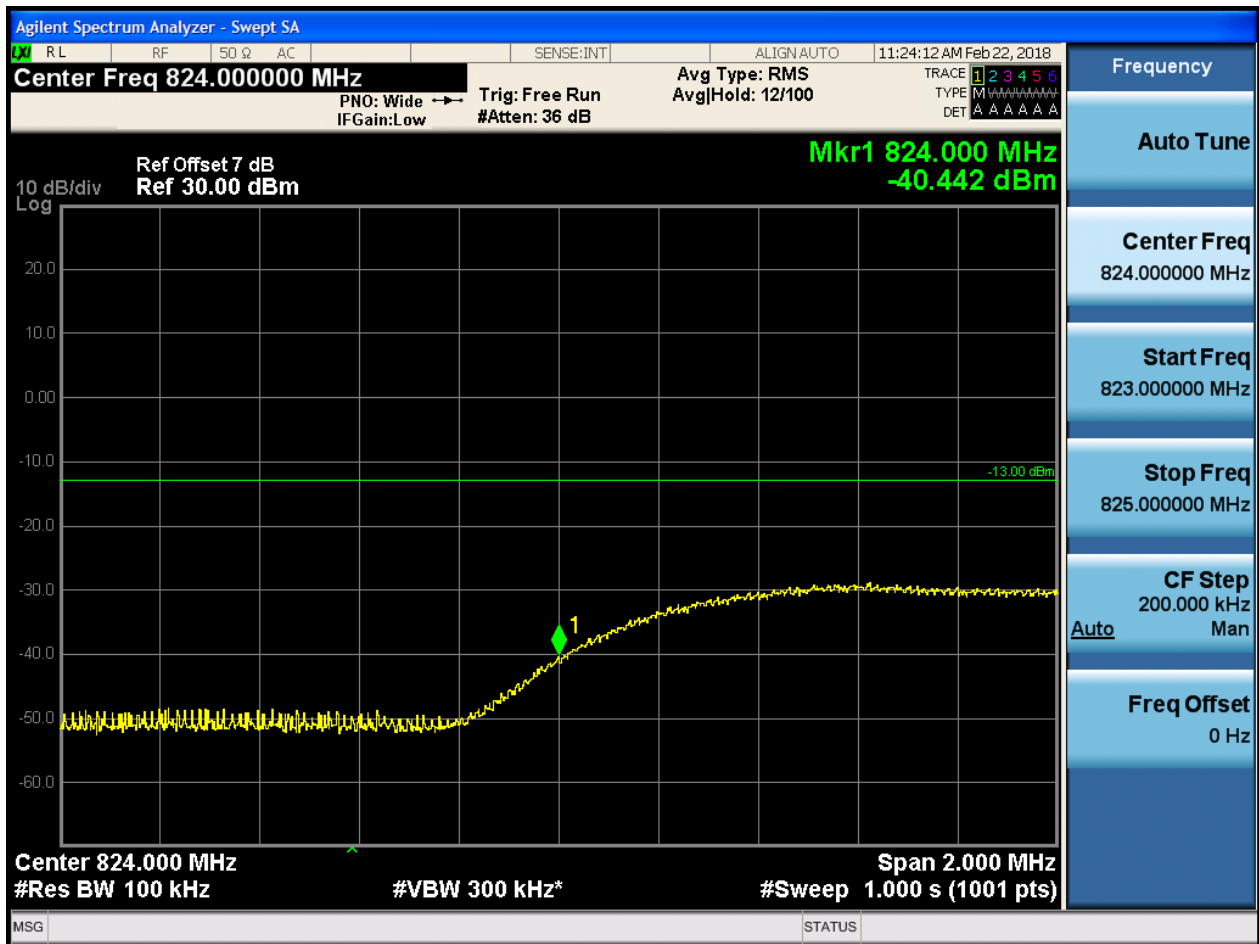
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0



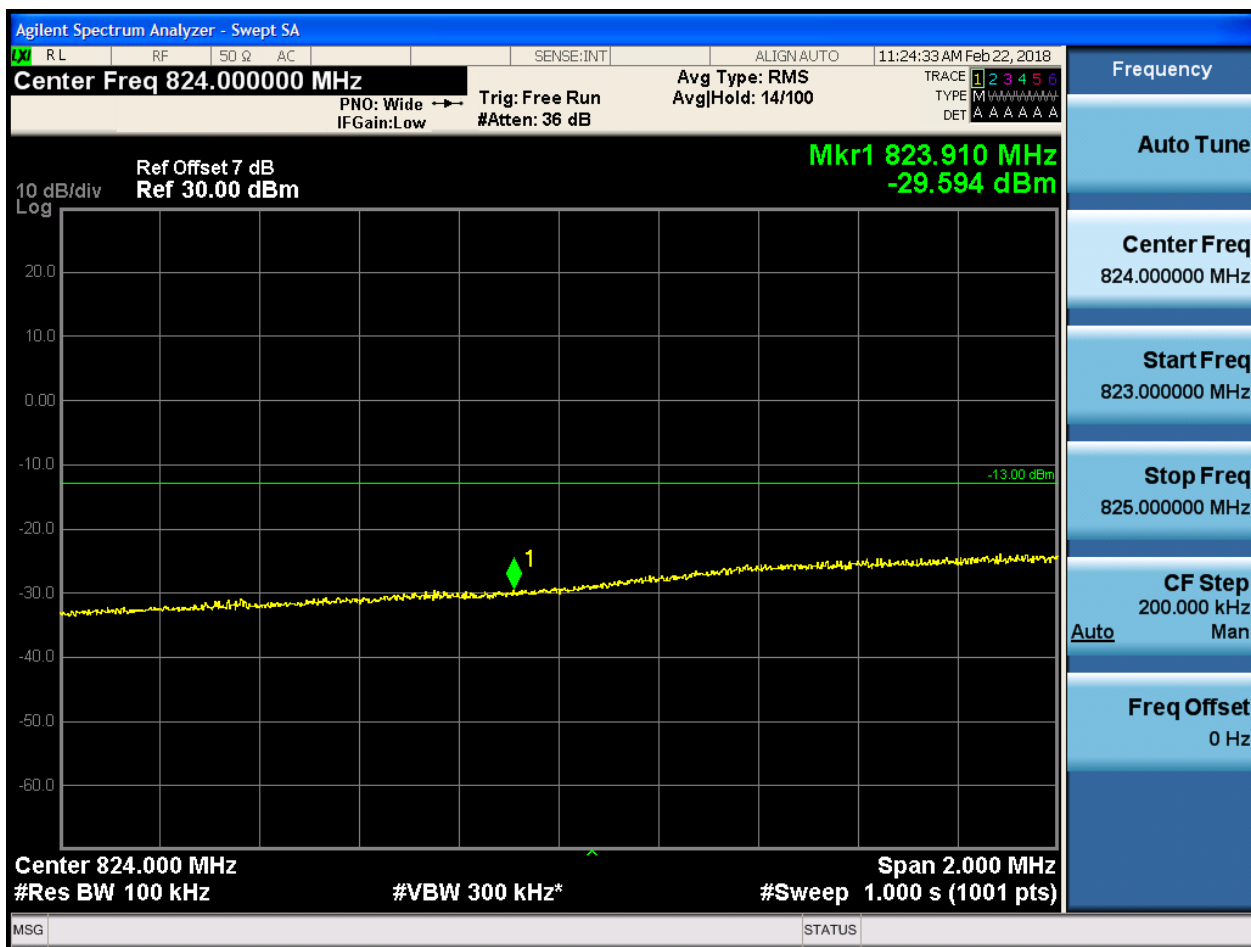


5.1.1.2.4.1.2 Test RB = RB1#49





5.1.1.2.4.1.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-28.332 dBm

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

Auto Tune

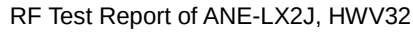
Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

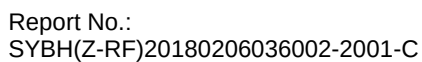
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

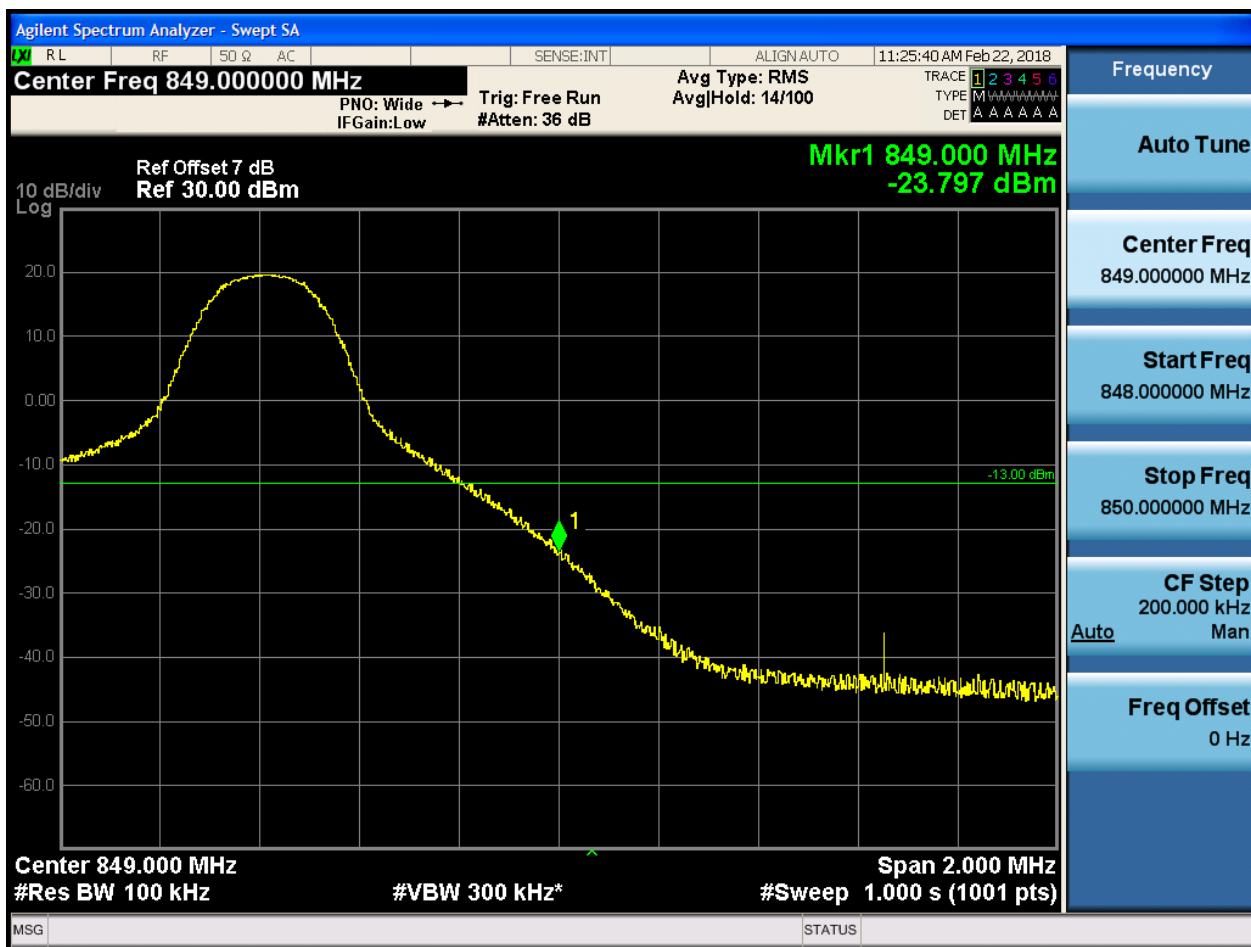
Freq Offset
0 Hz



5.1.1.2.4.2.1 Test RB = RB1#0



5.1.1.2.4.2.2 Test RB = RB1#49





5.1.1.2.4.2.3 Test RB = RB25#13





5.1.1.2.4.2.4 Test RB = RB50#0



6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.2 For LTE

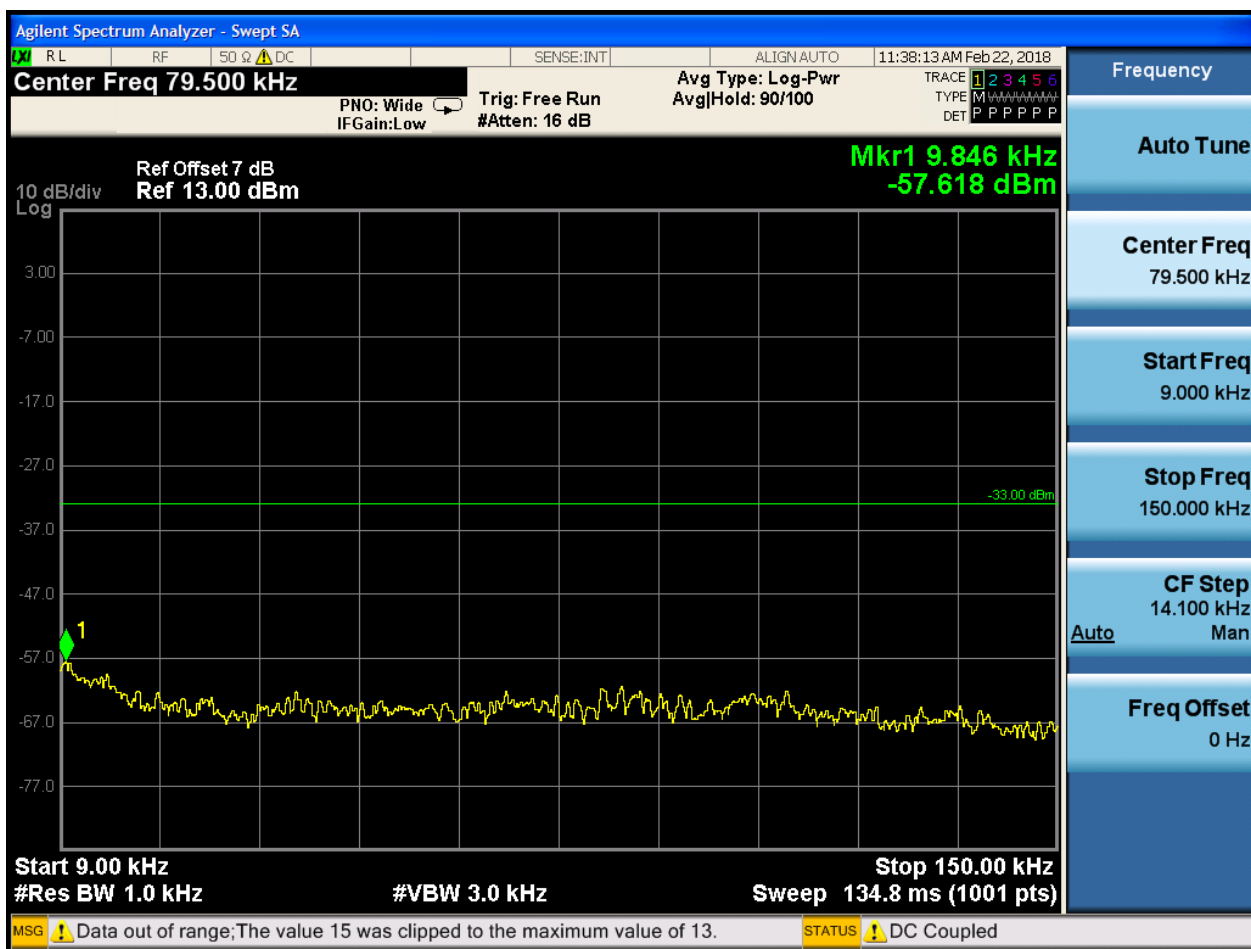
6.2.1 Test Band = BAND5

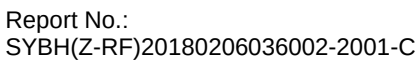
6.2.1.1 Test Mode = LTE/TM1

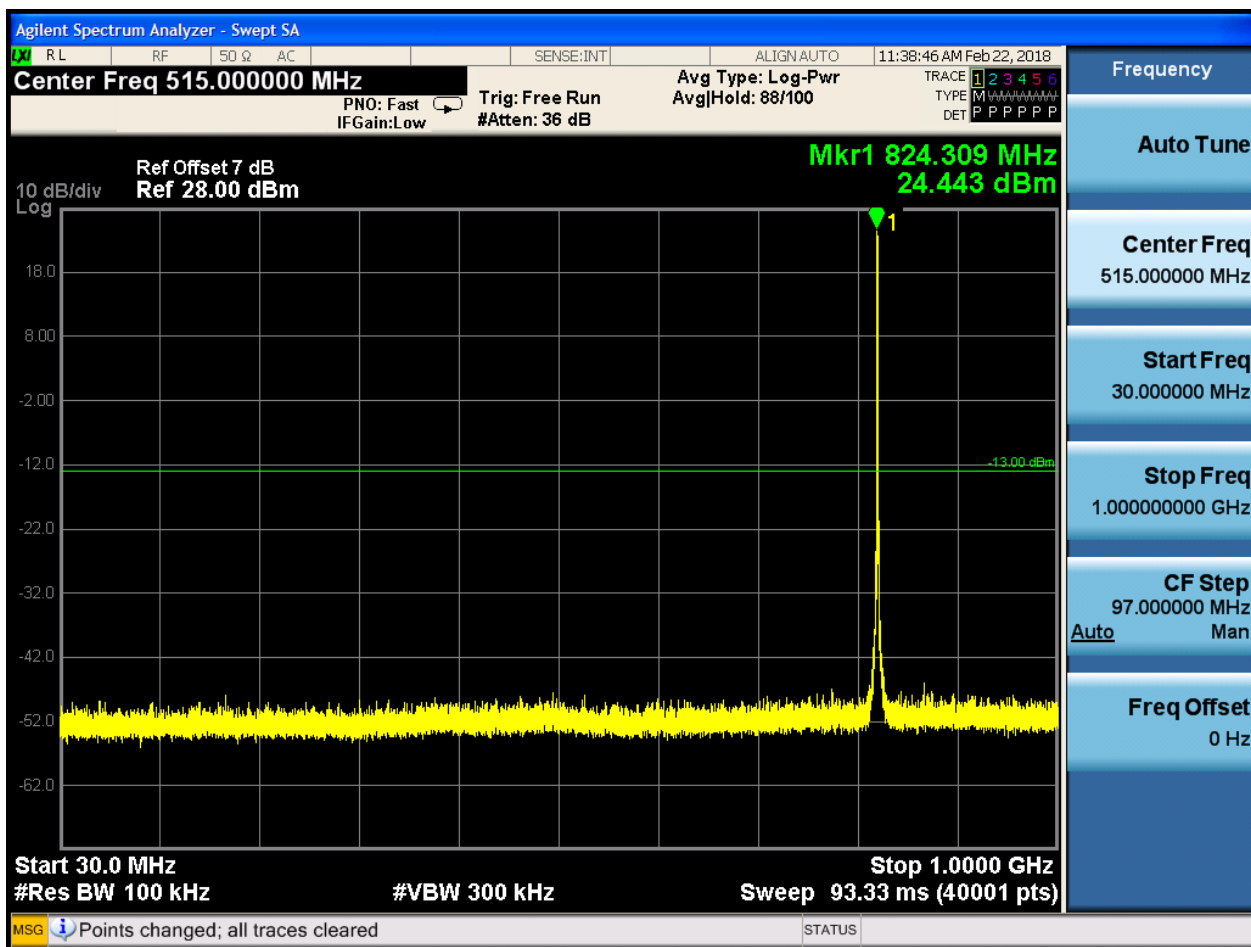
6.2.1.1.1 Test Bandwidth = 1.4

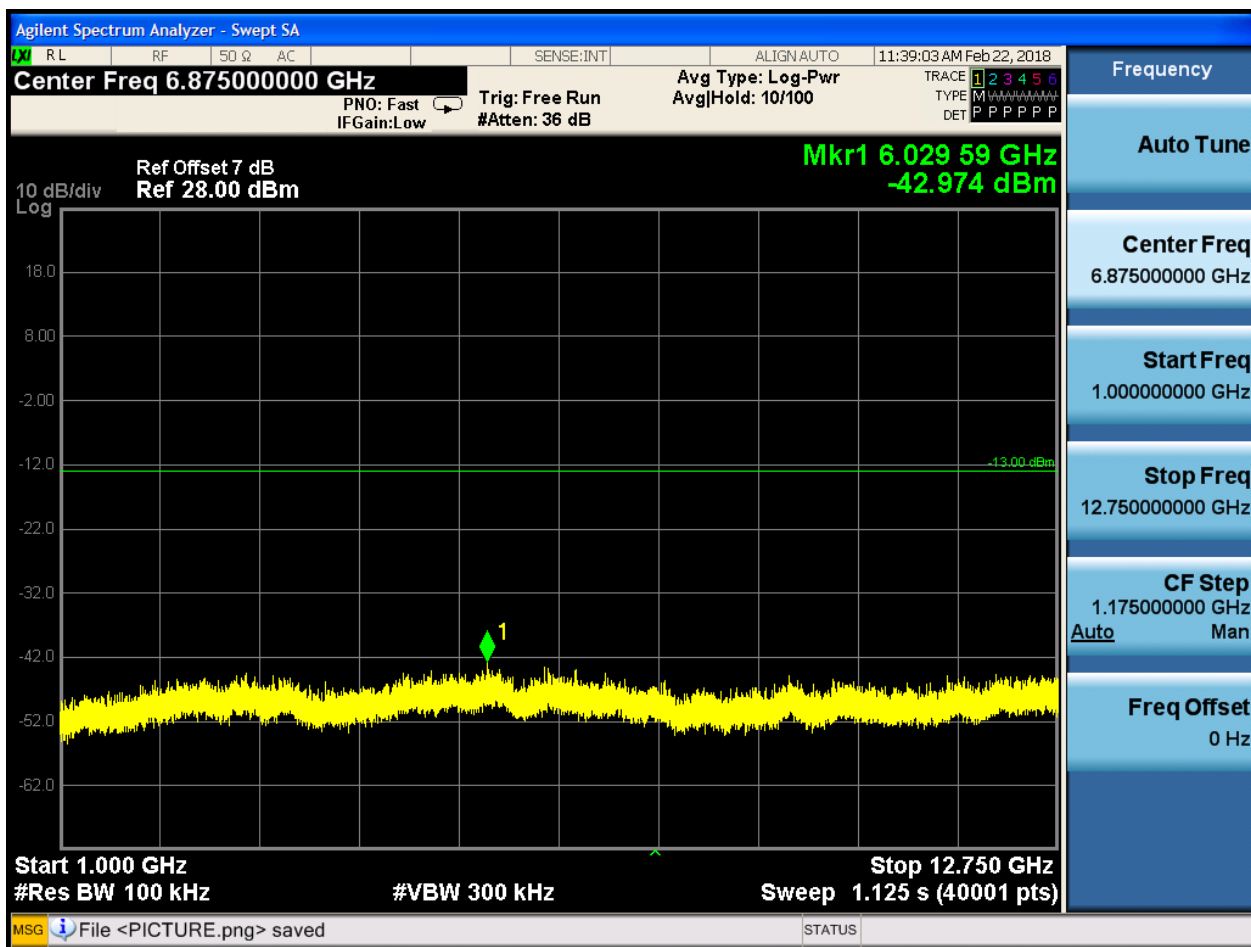
6.2.1.1.1.1 Test Channel = LCH

6.2.1.1.1.1.1 Test RB = RB1#0



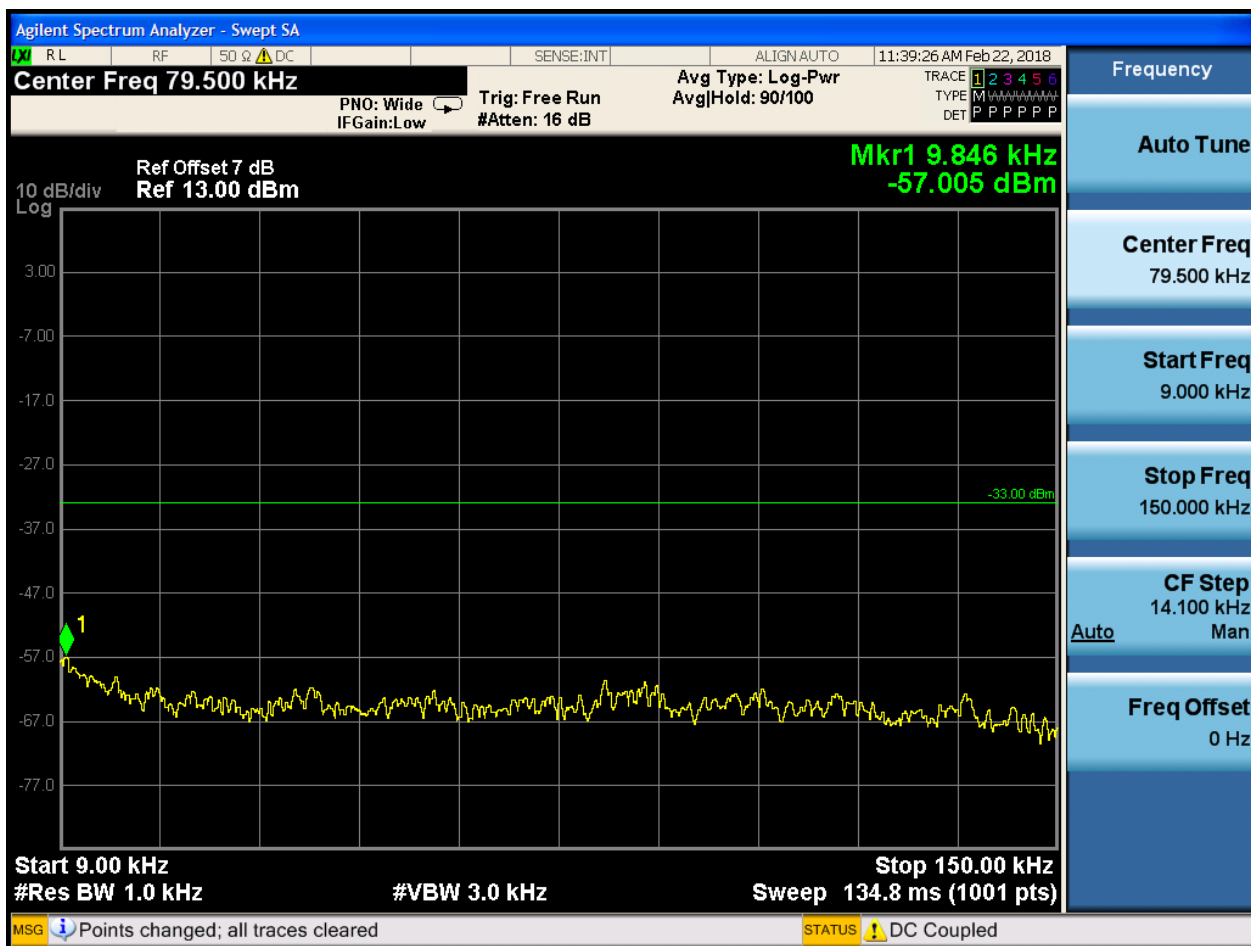


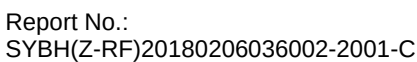


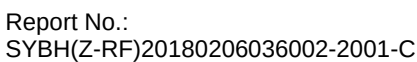


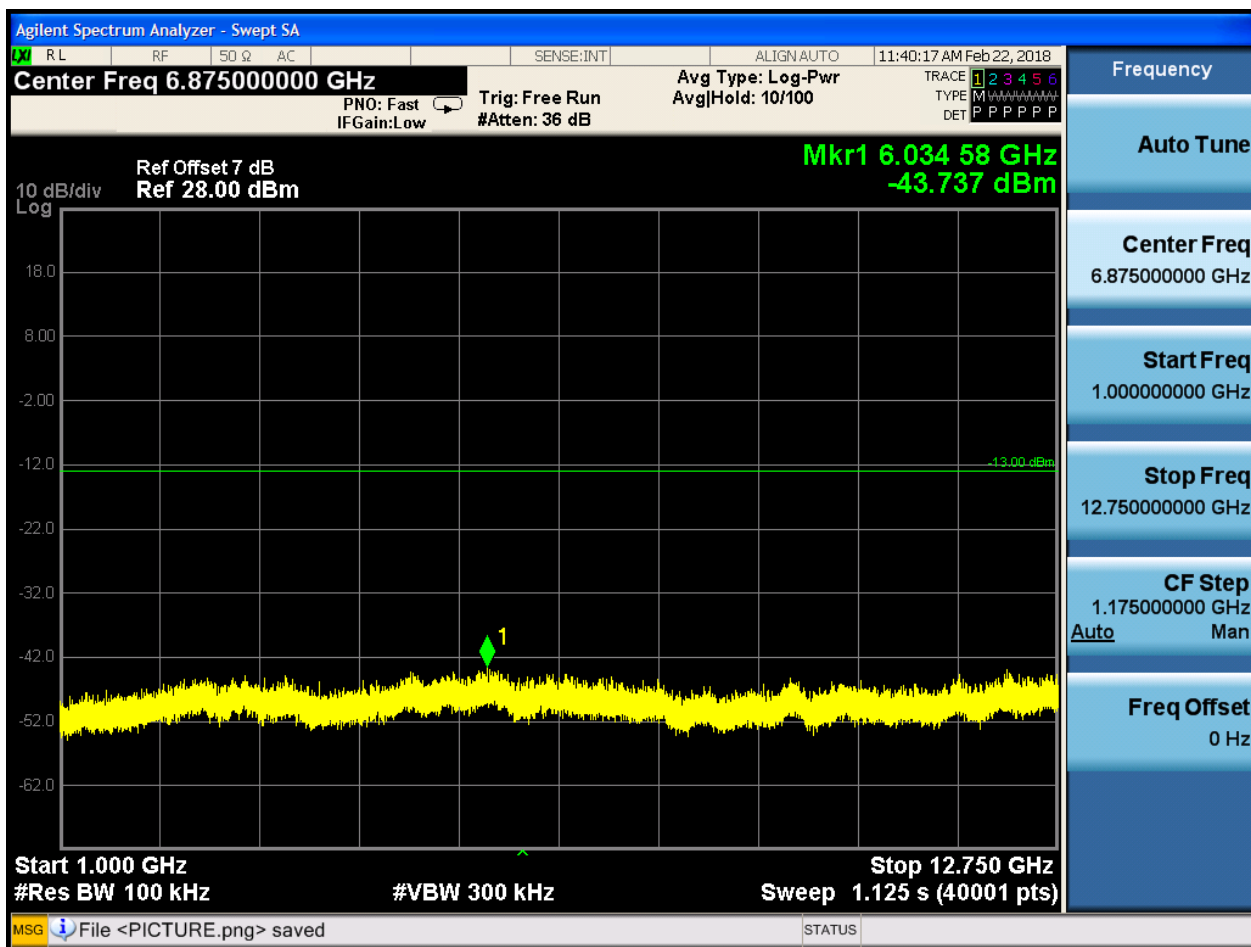
6.2.1.1.1.2 Test Channel = MCH

6.2.1.1.1.2.1 Test RB = RB1#0











6.2.1.1.1.3 Test Channel = HCH

6.2.1.1.1.3.1 Test RB = RB1#0

