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	22.79	18.84	38.5	PASS
				RB1#3	22.96	19.01	38.5	PASS
				RB1#5	23.01	19.06	38.5	PASS
				RB3#0	23.08	19.13	38.5	PASS
				RB3#2	23.33	19.38	38.5	PASS
				RB3#3	23.22	19.27	38.5	PASS
				RB6#0	22.15	18.2	38.5	PASS
			MCH	RB1#0	23.2	19.25	38.5	PASS
				RB1#3	23.1	19.15	38.5	PASS
				RB1#5	23.17	19.22	38.5	PASS
				RB3#0	23.04	19.09	38.5	PASS
				RB3#2	23.29	19.34	38.5	PASS
				RB3#3	23.01	19.06	38.5	PASS
				RB6#0	22.01	18.06	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23	19.05	38.5	PASS
				RB1#3	22.99	19.04	38.5	PASS
				RB1#5	23.01	19.06	38.5	PASS
				RB3#0	23.14	19.19	38.5	PASS
				RB3#2	23.11	19.16	38.5	PASS
				RB3#3	23.06	19.11	38.5	PASS
				RB6#0	22.02	18.07	38.5	PASS
		3	LCH	RB1#0	22.9	18.95	38.5	PASS
				RB1#7	23.29	19.34	38.5	PASS
				RB1#14	23.12	19.17	38.5	PASS
				RB8#0	22.06	18.11	38.5	PASS
				RB8#4	22.07	18.12	38.5	PASS
				RB8#7	22.03	18.08	38.5	PASS
				RB15#0	22.12	18.17	38.5	PASS
			MCH	RB1#0	23.02	19.07	38.5	PASS
				RB1#7	23.16	19.21	38.5	PASS
				RB1#14	22.83	18.88	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB8#0	22.16	18.21	38.5	PASS
				RB8#4	22.16	18.21	38.5	PASS
				RB8#7	22.12	18.17	38.5	PASS
				RB15#0	22.11	18.16	38.5	PASS
			HCH	RB1#0	23.17	19.22	38.5	PASS
				RB1#7	23.3	19.35	38.5	PASS
				RB1#14	23.12	19.17	38.5	PASS
				RB8#0	22.13	18.18	38.5	PASS
				RB8#4	22.09	18.14	38.5	PASS
				RB8#7	22.17	18.22	38.5	PASS
				RB15#0	22.09	18.14	38.5	PASS
		5	LCH	RB1#0	22.93	18.98	38.5	PASS
				RB1#13	23.24	19.29	38.5	PASS
				RB1#24	22.91	18.96	38.5	PASS
				RB12#0	22.14	18.19	38.5	PASS
				RB12#6	22.16	18.21	38.5	PASS
				RB12#13	22.01	18.06	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB25#0	22.11	18.16	38.5	PASS
			MCH	RB1#0	22.88	18.93	38.5	PASS
				RB1#13	23.27	19.32	38.5	PASS
				RB1#24	22.96	19.01	38.5	PASS
				RB12#0	22.09	18.14	38.5	PASS
				RB12#6	22.17	18.22	38.5	PASS
				RB12#13	22.06	18.11	38.5	PASS
				RB25#0	22.14	18.19	38.5	PASS
			HCH	RB1#0	22.8	18.85	38.5	PASS
				RB1#13	22.64	18.69	38.5	PASS
				RB1#24	22.56	18.61	38.5	PASS
				RB12#0	21.97	18.02	38.5	PASS
				RB12#6	22.12	18.17	38.5	PASS
				RB12#13	22.13	18.18	38.5	PASS
				RB25#0	21.98	18.03	38.5	PASS
		10	LCH	RB1#0	23.03	19.08	38.5	PASS
				RB1#25	23.31	19.36	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB1#49	23.34	19.39	38.5	PASS
				RB25#0	22.14	18.19	38.5	PASS
				RB25#13	22.13	18.18	38.5	PASS
				RB25#25	22.12	18.17	38.5	PASS
				RB50#0	22.14	18.19	38.5	PASS
			MCH	RB1#0	22.9	18.95	38.5	PASS
				RB1#25	23.07	19.12	38.5	PASS
				RB1#49	22.98	19.03	38.5	PASS
				RB25#0	22.09	18.14	38.5	PASS
				RB25#13	22.15	18.2	38.5	PASS
				RB25#25	22.12	18.17	38.5	PASS
				RB50#0	22.12	18.17	38.5	PASS
			HCH	RB1#0	23.05	19.1	38.5	PASS
				RB1#25	23.43	19.48	38.5	PASS
				RB1#49	23.25	19.3	38.5	PASS
				RB25#0	22.05	18.1	38.5	PASS
				RB25#13	22.12	18.17	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB25#25	22.05	18.1	38.5	PASS
				RB50#0	22.01	18.06	38.5	PASS
			LCH	RB1#0	21.78	17.83	38.5	PASS
				RB1#3	21.82	17.87	38.5	PASS
				RB1#5	21.98	18.03	38.5	PASS
				RB3#0	21.82	17.87	38.5	PASS
				RB3#2	22.08	18.13	38.5	PASS
				RB3#3	21.73	17.78	38.5	PASS
				RB6#0	20.83	16.88	38.5	PASS
	LTE/TM2	1.4		RB1#0	21.74	17.79	38.5	PASS
				RB1#3	22.12	18.17	38.5	PASS
				RB1#5	22.1	18.15	38.5	PASS
			MCH	RB3#0	22.01	18.06	38.5	PASS
				RB3#2	22.12	18.17	38.5	PASS
				RB3#3	22.06	18.11	38.5	PASS
				RB6#0	21.12	17.17	38.5	PASS
			HCH	RB1#0	21.65	17.7	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB1#3	21.79	17.84	38.5	PASS
				RB1#5	21.67	17.72	38.5	PASS
				RB3#0	22.36	18.41	38.5	PASS
				RB3#2	21.61	17.66	38.5	PASS
				RB3#3	22.19	18.24	38.5	PASS
				RB6#0	21.05	17.1	38.5	PASS
			LCH	RB1#0	21.4	17.45	38.5	PASS
				RB1#7	22.09	18.14	38.5	PASS
				RB1#14	21.63	17.68	38.5	PASS
				RB8#0	20.92	16.97	38.5	PASS
		3		RB8#4	20.93	16.98	38.5	PASS
				RB8#7	20.98	17.03	38.5	PASS
				RB15#0	20.99	17.04	38.5	PASS
			MCH	RB1#0	22.26	18.31	38.5	PASS
				RB1#7	22.51	18.56	38.5	PASS
				RB1#14	22.41	18.46	38.5	PASS
				RB8#0	21.07	17.12	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB8#4	21.08	17.13	38.5	PASS
				RB8#7	20.96	17.01	38.5	PASS
				RB15#0	21	17.05	38.5	PASS
			HCH	RB1#0	22.07	18.12	38.5	PASS
				RB1#7	22.13	18.18	38.5	PASS
				RB1#14	21.66	17.71	38.5	PASS
				RB8#0	21.09	17.14	38.5	PASS
				RB8#4	21.06	17.11	38.5	PASS
				RB8#7	21.04	17.09	38.5	PASS
				RB15#0	21.11	17.16	38.5	PASS
		5	LCH	RB1#0	21.78	17.83	38.5	PASS
				RB1#13	21.55	17.6	38.5	PASS
				RB1#24	21.49	17.54	38.5	PASS
				RB12#0	21	17.05	38.5	PASS
				RB12#6	21.02	17.07	38.5	PASS
				RB12#13	21.04	17.09	38.5	PASS
				RB25#0	21.05	17.1	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.57	17.62	38.5	PASS
				RB1#13	21.63	17.68	38.5	PASS
				RB1#24	21.31	17.36	38.5	PASS
				RB12#0	20.9	16.95	38.5	PASS
				RB12#6	21.06	17.11	38.5	PASS
				RB12#13	20.75	16.8	38.5	PASS
				RB25#0	21.02	17.07	38.5	PASS
			HCH	RB1#0	22.17	18.22	38.5	PASS
				RB1#13	22.27	18.32	38.5	PASS
				RB1#24	22	18.05	38.5	PASS
				RB12#0	20.93	16.98	38.5	PASS
				RB12#6	21.04	17.09	38.5	PASS
				RB12#13	20.97	17.02	38.5	PASS
				RB25#0	20.98	17.03	38.5	PASS
		10	LCH	RB1#0	22.35	18.4	38.5	PASS
				RB1#25	22.38	18.43	38.5	PASS
				RB1#49	21.36	17.41	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	17.07	38.5	PASS
				RB25#13	21.02	17.07	38.5	PASS
				RB25#25	21.01	17.06	38.5	PASS
				RB50#0	21.05	17.1	38.5	PASS
			MCH	RB1#0	21.82	17.87	38.5	PASS
				RB1#25	22.39	18.44	38.5	PASS
				RB1#49	21.93	17.98	38.5	PASS
				RB25#0	21.24	17.29	38.5	PASS
				RB25#13	21.19	17.24	38.5	PASS
				RB25#25	21.15	17.2	38.5	PASS
				RB50#0	21.1	17.15	38.5	PASS
			HCH	RB1#0	21.98	18.03	38.5	PASS
				RB1#25	22.17	18.22	38.5	PASS
				RB1#49	21.65	17.7	38.5	PASS
				RB25#0	21.16	17.21	38.5	PASS
				RB25#13	21.22	17.27	38.5	PASS
				RB25#25	21.05	17.1	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB50#0	21.09	17.14	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,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b, SGP=Signal Generator Level

Note2:

SET Span=1.5*OBW

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

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND5	LTE/TM1	1.4	LCH	RB1#0	3.03	13	PASS
				RB1#3	3.02	13	PASS
				RB1#5	3.12	13	PASS
				RB3#0	3.53	13	PASS
				RB3#2	3.35	13	PASS
				RB3#3	3.49	13	PASS
				RB6#0	4.82	13	PASS
			MCH	RB1#0	3.33	13	PASS
				RB1#3	3.2	13	PASS
				RB1#5	3.27	13	PASS
				RB3#0	3.67	13	PASS
				RB3#2	3.52	13	PASS
				RB3#3	3.64	13	PASS
				RB6#0	4.81	13	PASS
			HCH	RB1#0	3.35	13	PASS
				RB1#3	3.24	13	PASS
				RB1#5	3.34	13	PASS
				RB3#0	3.74	13	PASS
				RB3#2	3.57	13	PASS
				RB3#3	3.7	13	PASS
				RB6#0	4.85	13	PASS
		3	LCH	RB1#0	3.14	13	PASS
				RB1#7	3.08	13	PASS
				RB1#14	3.3	13	PASS
				RB8#0	4.25	13	PASS
				RB8#4	4.12	13	PASS
				RB8#7	4.35	13	PASS
				RB15#0	4.92	13	PASS
			MCH	RB1#0	3.35	13	PASS
				RB1#7	3.22	13	PASS
				RB1#14	3.38	13	PASS
				RB8#0	4.31	13	PASS
				RB8#4	4.11	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	4.23	13	PASS
				RB15#0	5.01	13	PASS
			HCH	RB1#0	3.44	13	PASS
				RB1#7	3.26	13	PASS
				RB1#14	3.31	13	PASS
				RB8#0	4.39	13	PASS
				RB8#4	4.23	13	PASS
				RB8#7	4.33	13	PASS
				RB15#0	4.87	13	PASS
		5	LCH	RB1#0	3.01	13	PASS
				RB1#13	3.09	13	PASS
				RB1#24	3.25	13	PASS
				RB12#0	4.08	13	PASS
				RB12#6	3.96	13	PASS
				RB12#13	4.18	13	PASS
				RB25#0	4.64	13	PASS
			MCH	RB1#0	3.26	13	PASS
				RB1#13	3.15	13	PASS
				RB1#24	3.28	13	PASS
				RB12#0	4.22	13	PASS
				RB12#6	4.01	13	PASS
				RB12#13	4.21	13	PASS
				RB25#0	4.84	13	PASS
			HCH	RB1#0	3.44	13	PASS
				RB1#13	3.37	13	PASS
				RB1#24	3.4	13	PASS
				RB12#0	4.36	13	PASS
				RB12#6	4.15	13	PASS
				RB12#13	4.26	13	PASS
				RB25#0	5.05	13	PASS
		10	LCH	RB1#0	3.08	13	PASS
				RB1#25	3.25	13	PASS
				RB1#49	3.27	13	PASS
				RB25#0	4.17	13	PASS
				RB25#13	4.14	13	PASS
				RB25#25	4.27	13	PASS
				RB50#0	5.37	13	PASS
			MCH	RB1#0	3.38	13	PASS
				RB1#25	3.24	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	3.46	13	PASS
				RB25#0	4.33	13	PASS
				RB25#13	4.21	13	PASS
				RB25#25	4.33	13	PASS
				RB50#0	5	13	PASS
			HCH	RB1#0	3.27	13	PASS
				RB1#25	3.36	13	PASS
				RB1#49	3.34	13	PASS
				RB25#0	4.33	13	PASS
				RB25#13	4.28	13	PASS
				RB25#25	4.46	13	PASS
				RB50#0	5.27	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.02	13	PASS
				RB1#3	4	13	PASS
				RB1#5	4.1	13	PASS
				RB3#0	4.25	13	PASS
				RB3#2	4.13	13	PASS
				RB3#3	4.31	13	PASS
				RB6#0	5.29	13	PASS
			MCH	RB1#0	4.28	13	PASS
				RB1#3	4.23	13	PASS
				RB1#5	4.24	13	PASS
				RB3#0	4.32	13	PASS
				RB3#2	4.22	13	PASS
				RB3#3	4.36	13	PASS
				RB6#0	5.4	13	PASS
			HCH	RB1#0	4.04	13	PASS
				RB1#3	3.97	13	PASS
				RB1#5	4.05	13	PASS
				RB3#0	4.36	13	PASS
				RB3#2	4.2	13	PASS
				RB3#3	4.33	13	PASS
				RB6#0	5.72	13	PASS
		3	LCH	RB1#0	3.87	13	PASS
				RB1#7	3.74	13	PASS
				RB1#14	4.01	13	PASS
				RB8#0	4.87	13	PASS
				RB8#4	4.81	13	PASS
				RB8#7	4.96	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB15#0	5.63	13	PASS
			MCH	RB1#0	4.16	13	PASS
				RB1#7	4.09	13	PASS
				RB1#14	4.16	13	PASS
				RB8#0	5.03	13	PASS
				RB8#4	4.95	13	PASS
				RB8#7	5.07	13	PASS
				RB15#0	5.57	13	PASS
			HCH	RB1#0	4.38	13	PASS
				RB1#7	4.25	13	PASS
				RB1#14	4.34	13	PASS
				RB8#0	5.31	13	PASS
				RB8#4	5.07	13	PASS
				RB8#7	5.23	13	PASS
				RB15#0	5.83	13	PASS
			LCH	RB1#0	3.99	13	PASS
				RB1#13	4.08	13	PASS
				RB1#24	4.2	13	PASS
				RB12#0	4.9	13	PASS
				RB12#6	4.82	13	PASS
				RB12#13	5.08	13	PASS
				RB25#0	5.68	13	PASS
		5	MCH	RB1#0	4.18	13	PASS
				RB1#13	4.11	13	PASS
				RB1#24	4.24	13	PASS
				RB12#0	5.07	13	PASS
				RB12#6	4.93	13	PASS
				RB12#13	5.04	13	PASS
				RB25#0	5.56	13	PASS
			HCH	RB1#0	3.9	13	PASS
				RB1#13	3.85	13	PASS
				RB1#24	3.92	13	PASS
				RB12#0	5.14	13	PASS
				RB12#6	5	13	PASS
				RB12#13	5.03	13	PASS
				RB25#0	5.78	13	PASS
		10	LCH	RB1#0	4.16	13	PASS
				RB1#25	4.25	13	PASS
				RB1#49	4.38	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	5.2	13	PASS
				RB25#13	5.05	13	PASS
				RB25#25	5.3	13	PASS
				RB50#0	5.74	13	PASS
			MCH	RB1#0	4.31	13	PASS
				RB1#25	4.21	13	PASS
				RB1#49	4.39	13	PASS
				RB25#0	5.1	13	PASS
				RB25#13	4.9	13	PASS
				RB25#25	5.07	13	PASS
				RB50#0	6.01	13	PASS
			HCH	RB1#0	3.98	13	PASS
				RB1#25	4.07	13	PASS
				RB1#49	4.12	13	PASS
				RB25#0	5.17	13	PASS
				RB25#13	5.13	13	PASS
				RB25#25	5.29	13	PASS
				RB50#0	5.79	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
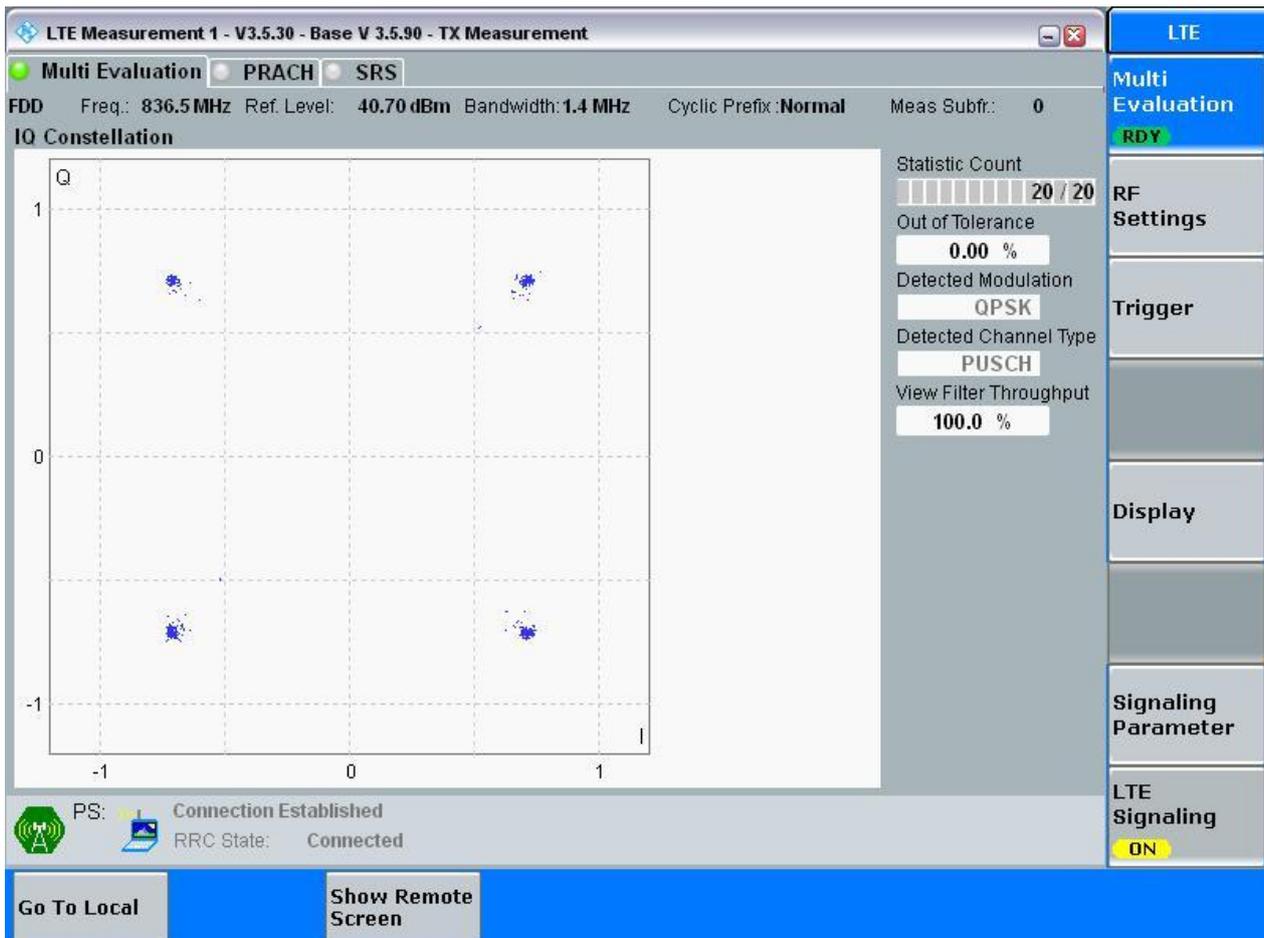
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB15#0
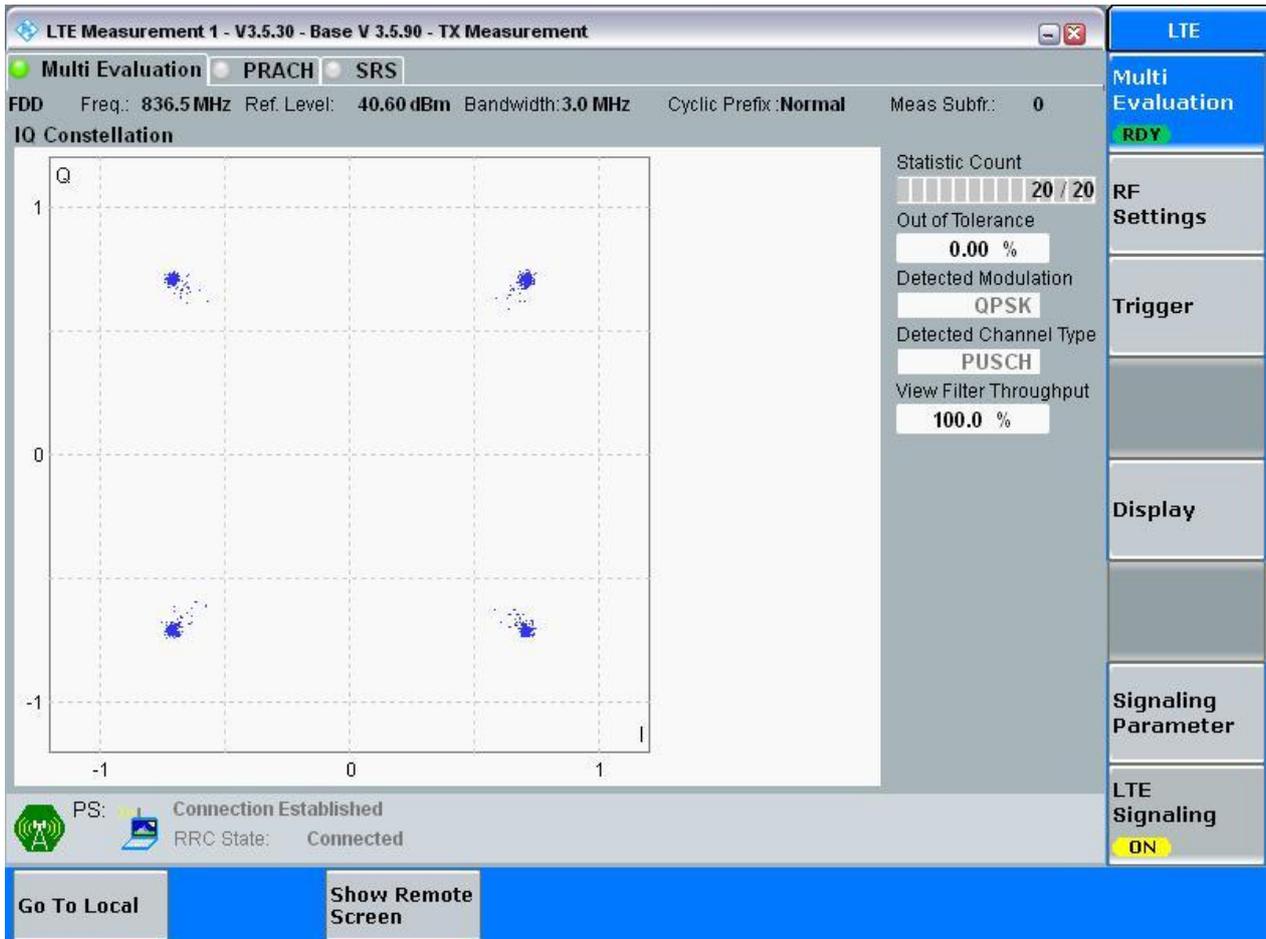
3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

3.1.1.1.3.1.1 Test RB = RB25#0
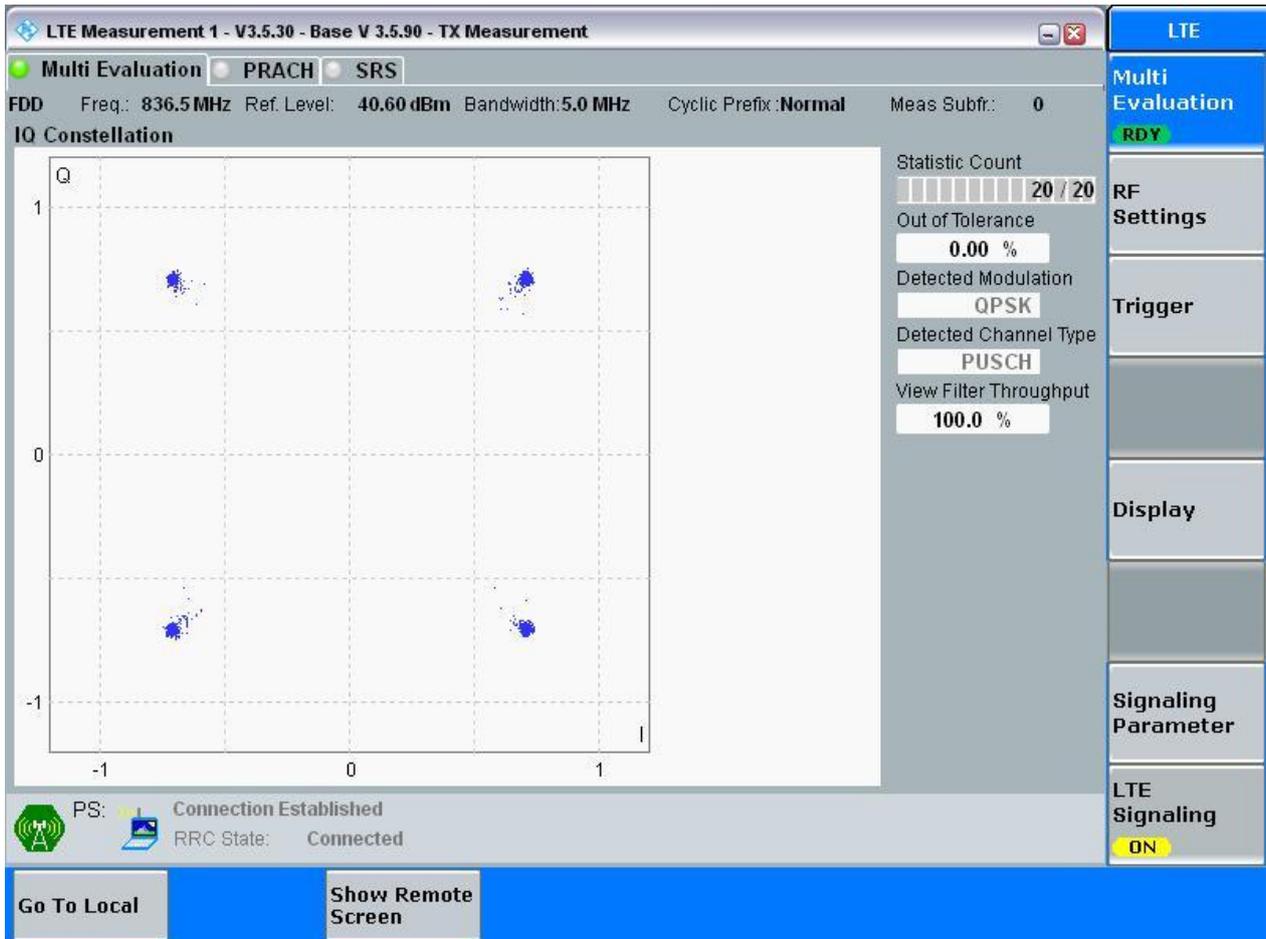
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0
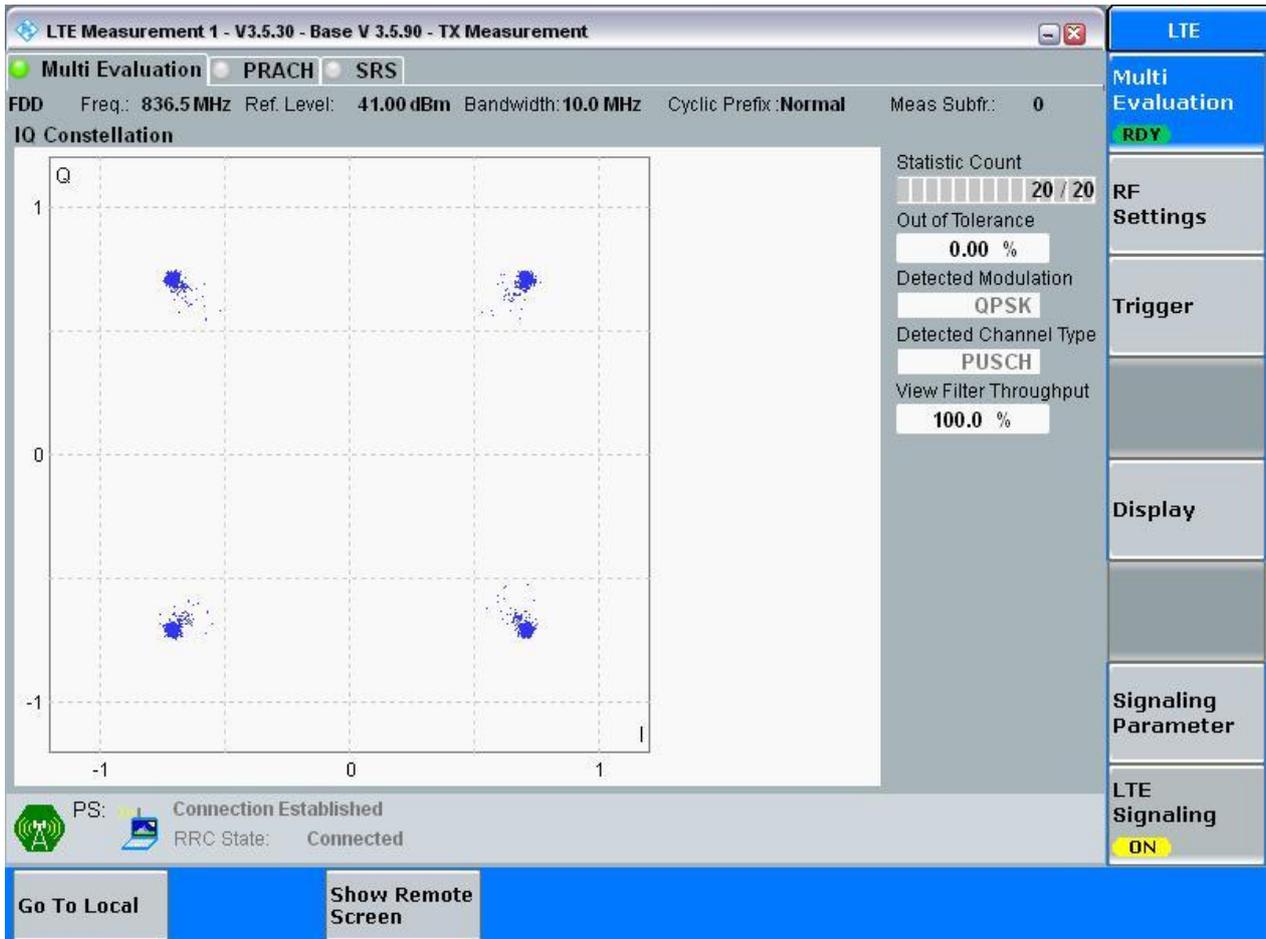
3.1.1.2 Test Mode = LTE/TM2

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
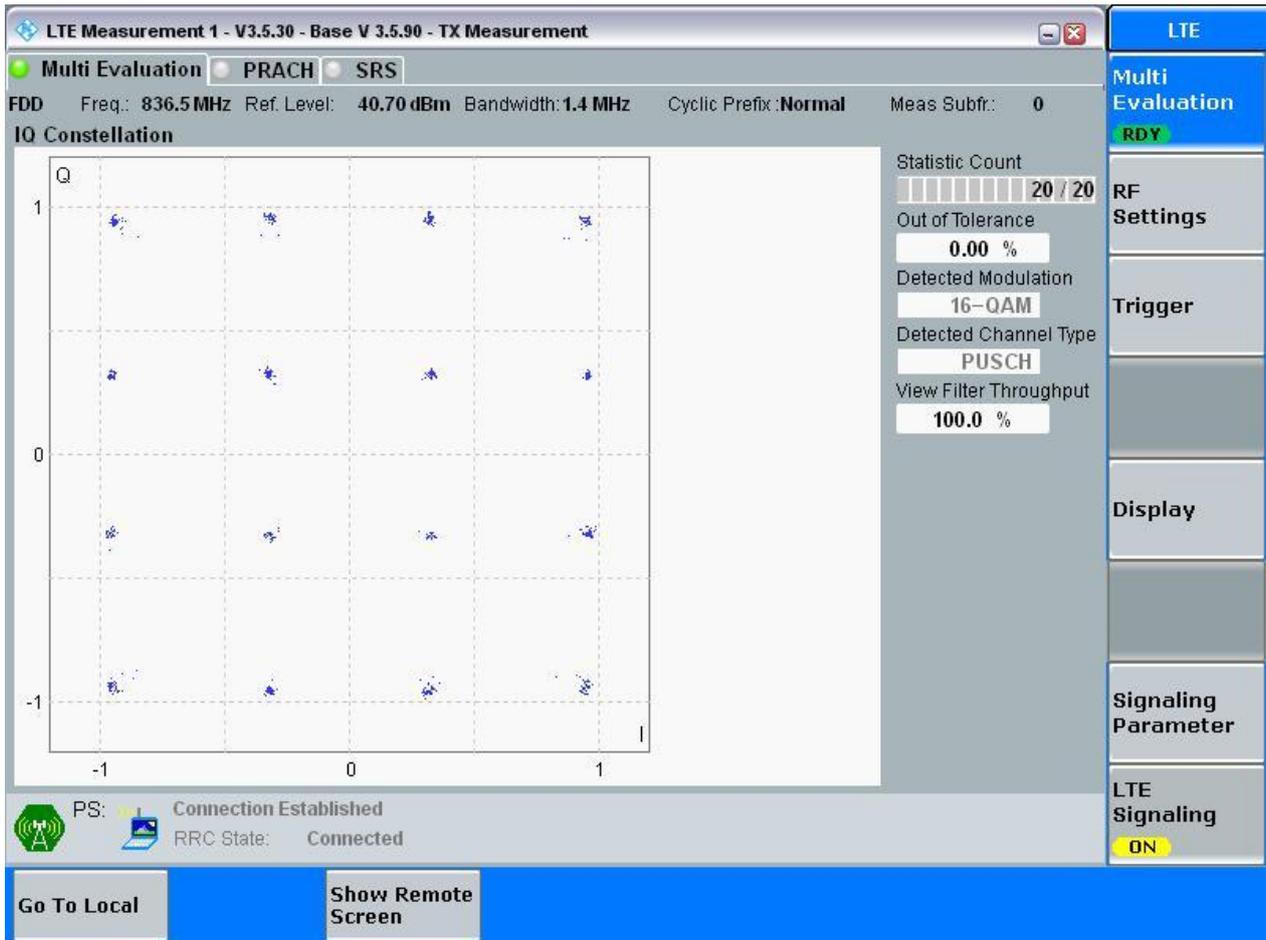
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB15#0
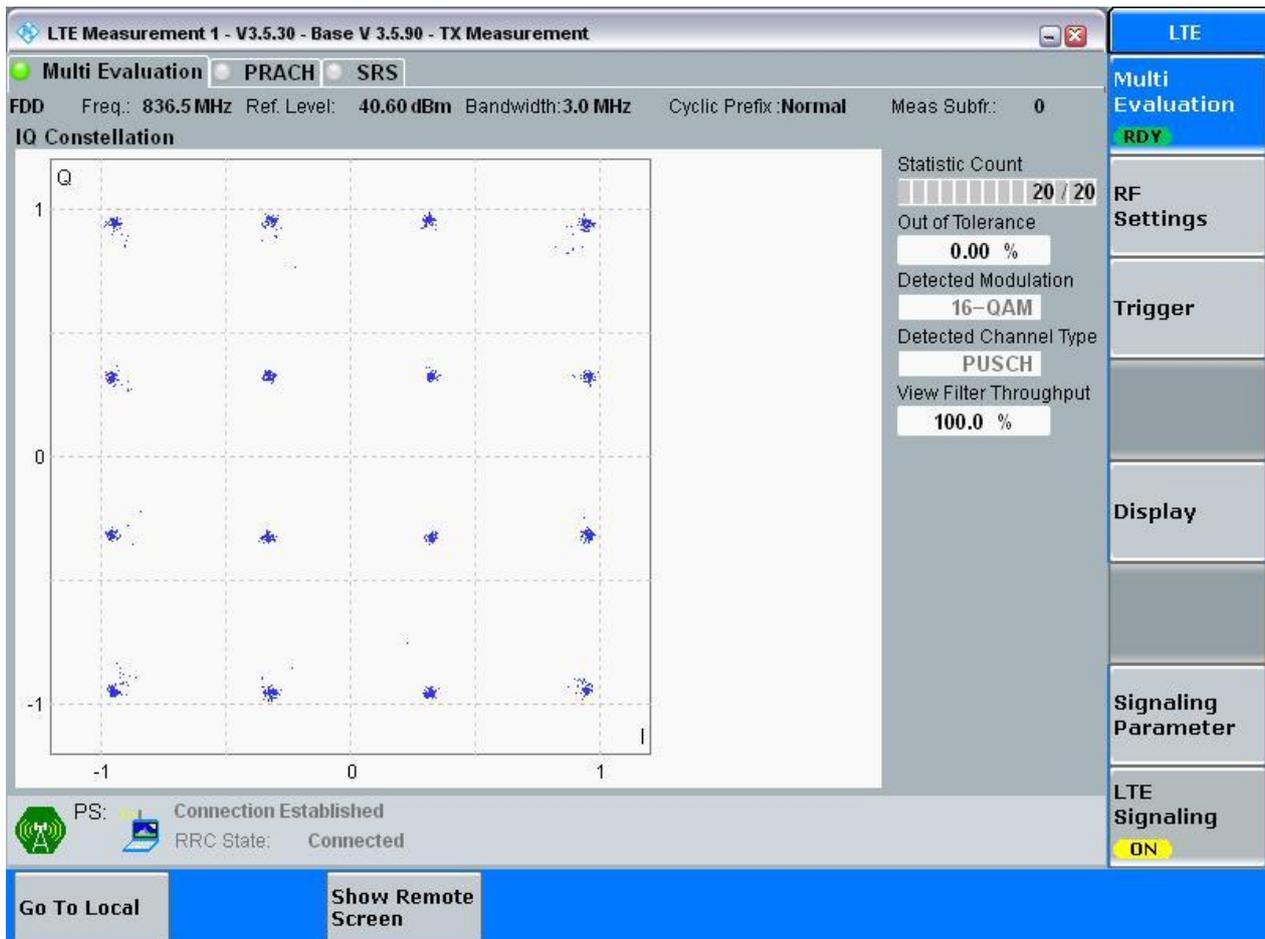
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

3.1.1.2.3.1.1 Test RB = RB25#0
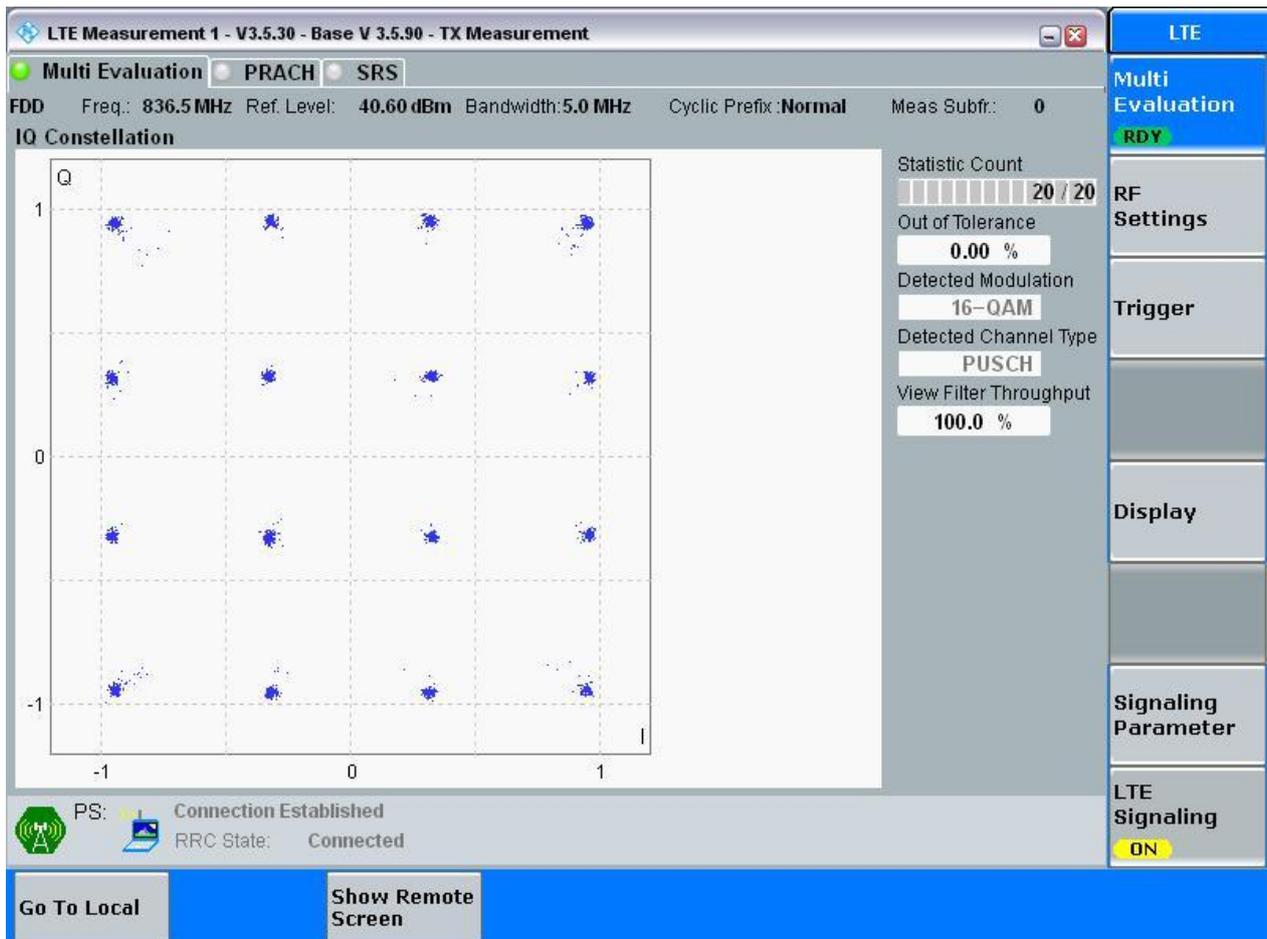
3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0
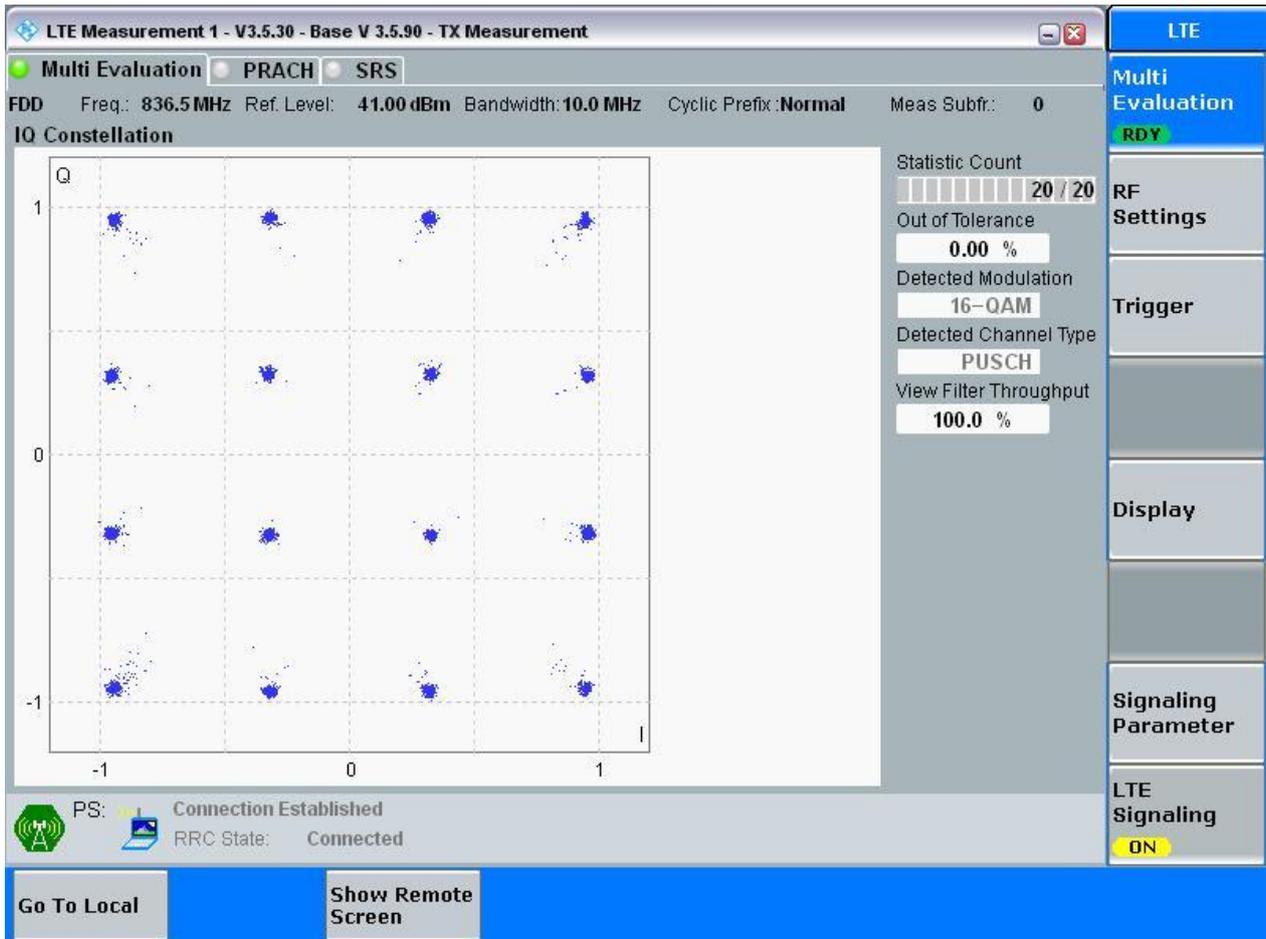
4Appendix_D: Bandwidth

Part I - Test Results

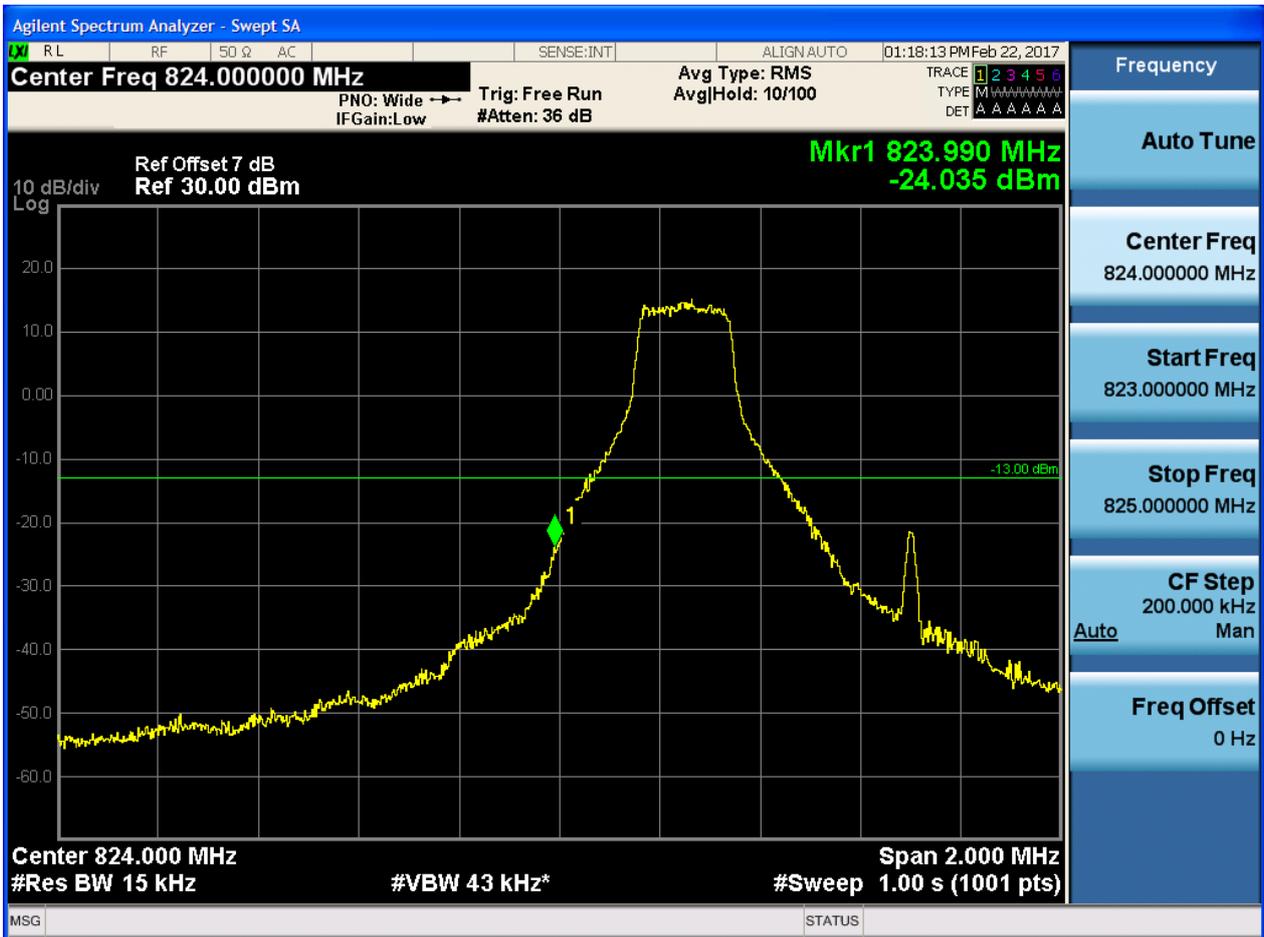| Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND5	LTE/TM1	1.4	LCH	RB6#0	1.09	1.29	Pass
			MCH	RB6#0	1.09	1.28	Pass
			HCH	RB6#0	1.08	1.26	Pass
		3	LCH	RB15#0	2.70	2.95	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.49	4.87	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.98	9.62	Pass
			MCH	RB50#0	8.97	9.60	Pass
			HCH	RB50#0	8.97	9.56	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.27	Pass
			MCH	RB6#0	1.09	1.26	Pass
			HCH	RB6#0	1.09	1.28	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.69	2.82	Pass
		5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.50	4.82	Pass
			HCH	RB25#0	4.49	4.86	Pass
		10	LCH	RB50#0	8.97	9.65	Pass
			MCH	RB50#0	8.98	9.59	Pass
			HCH	RB50#0	8.95	9.58	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

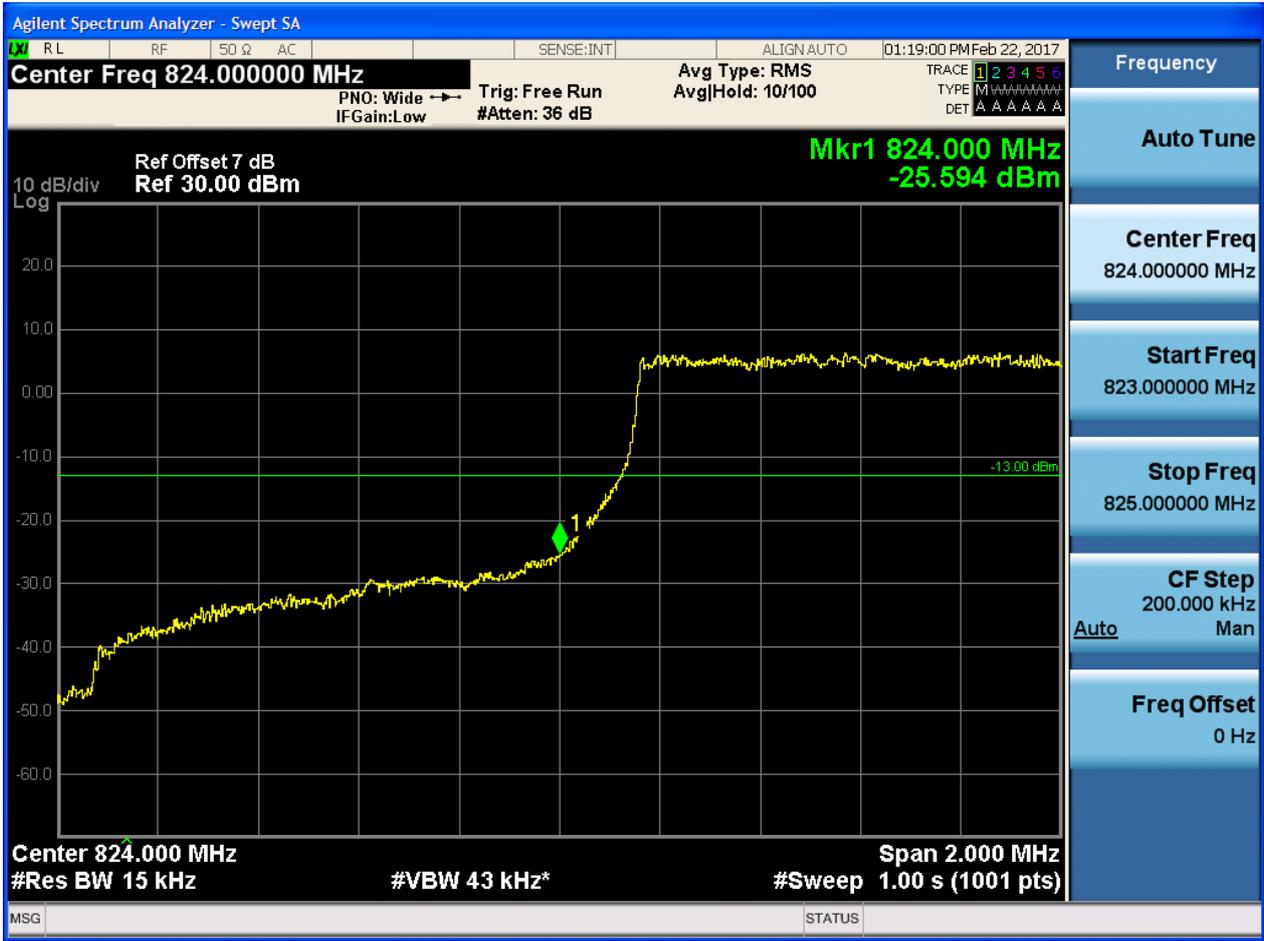**4.1.1.1.1.1.1 Test RB = RB6#0**

4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0
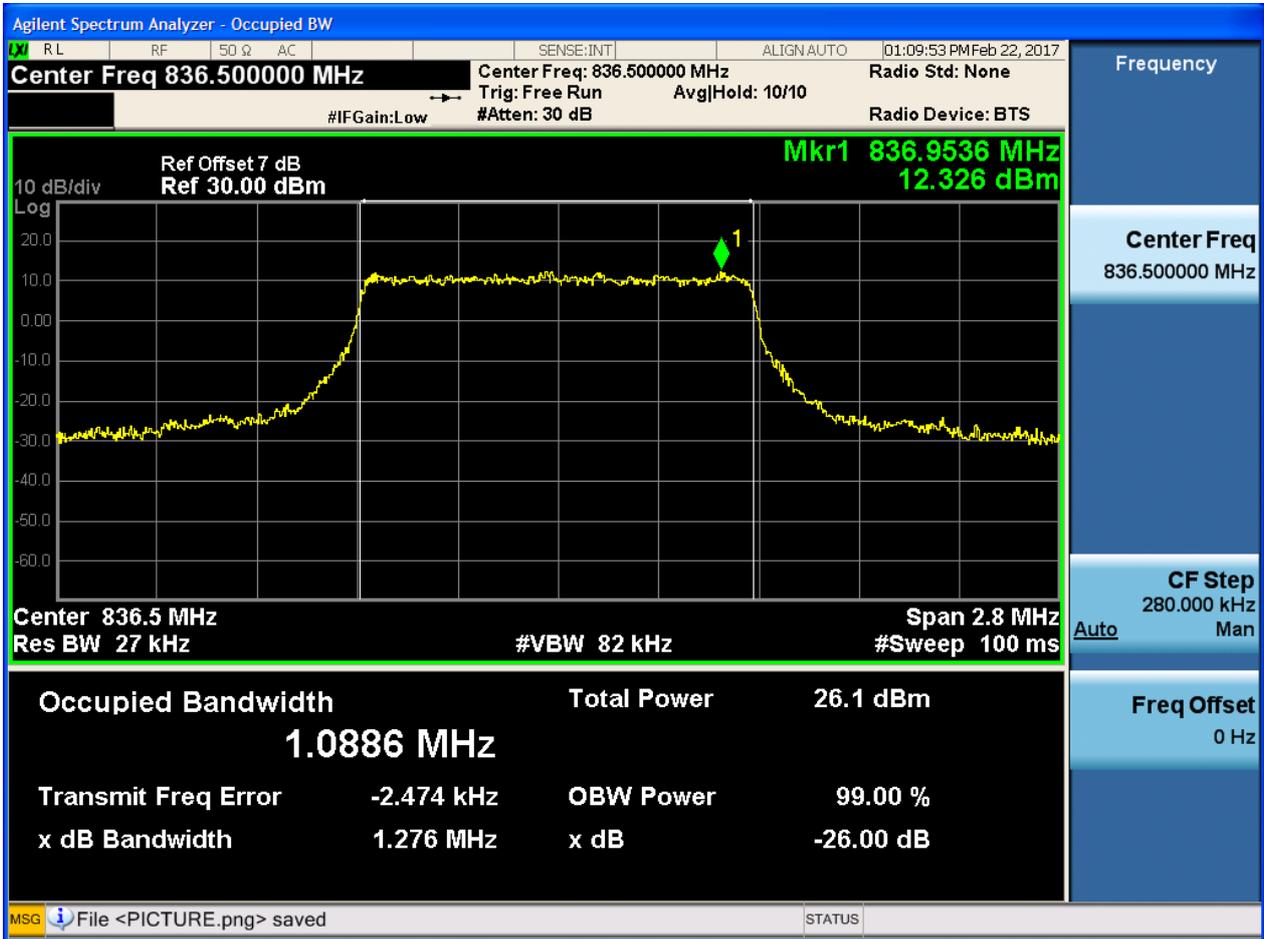
4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0
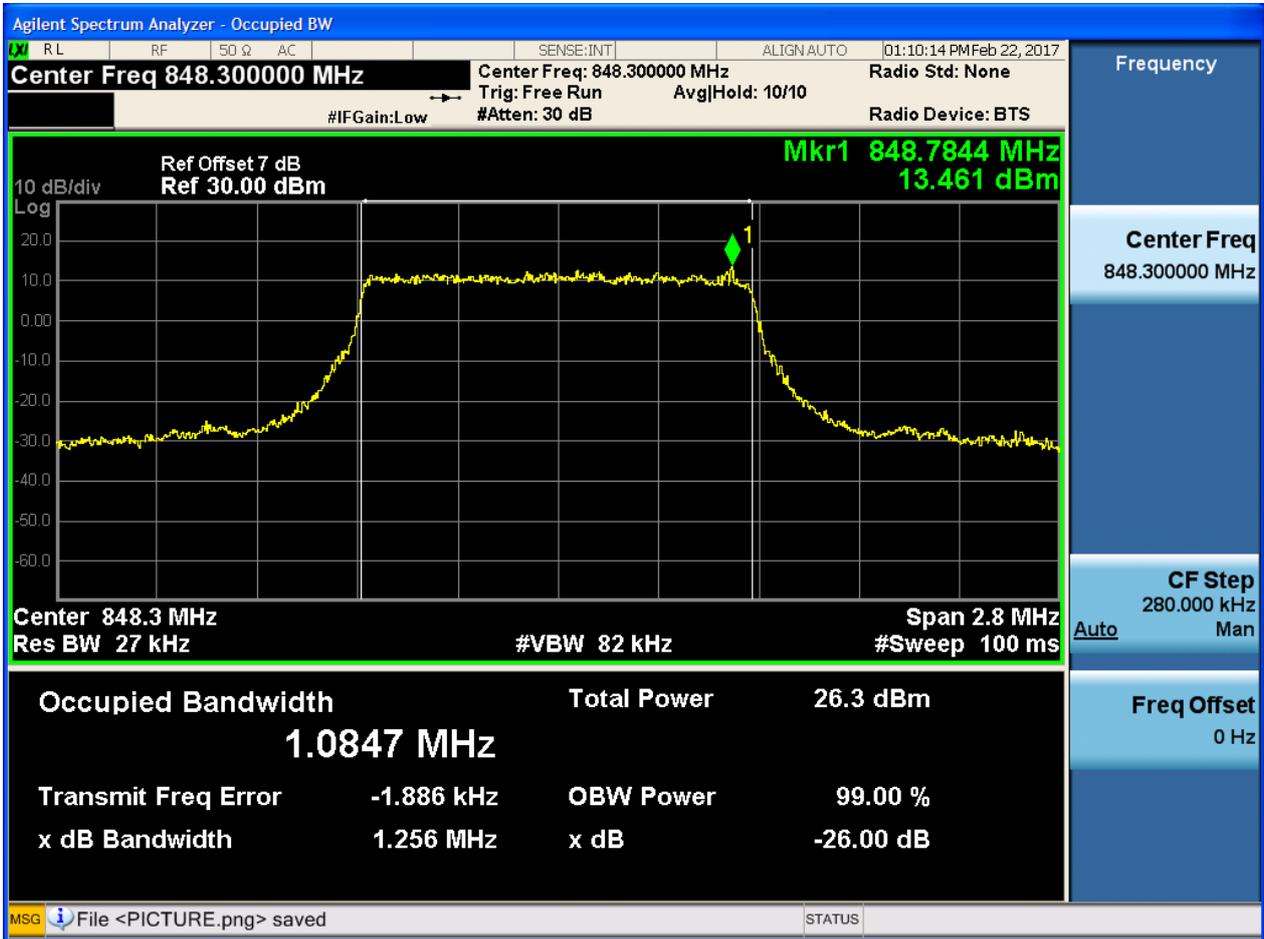
4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

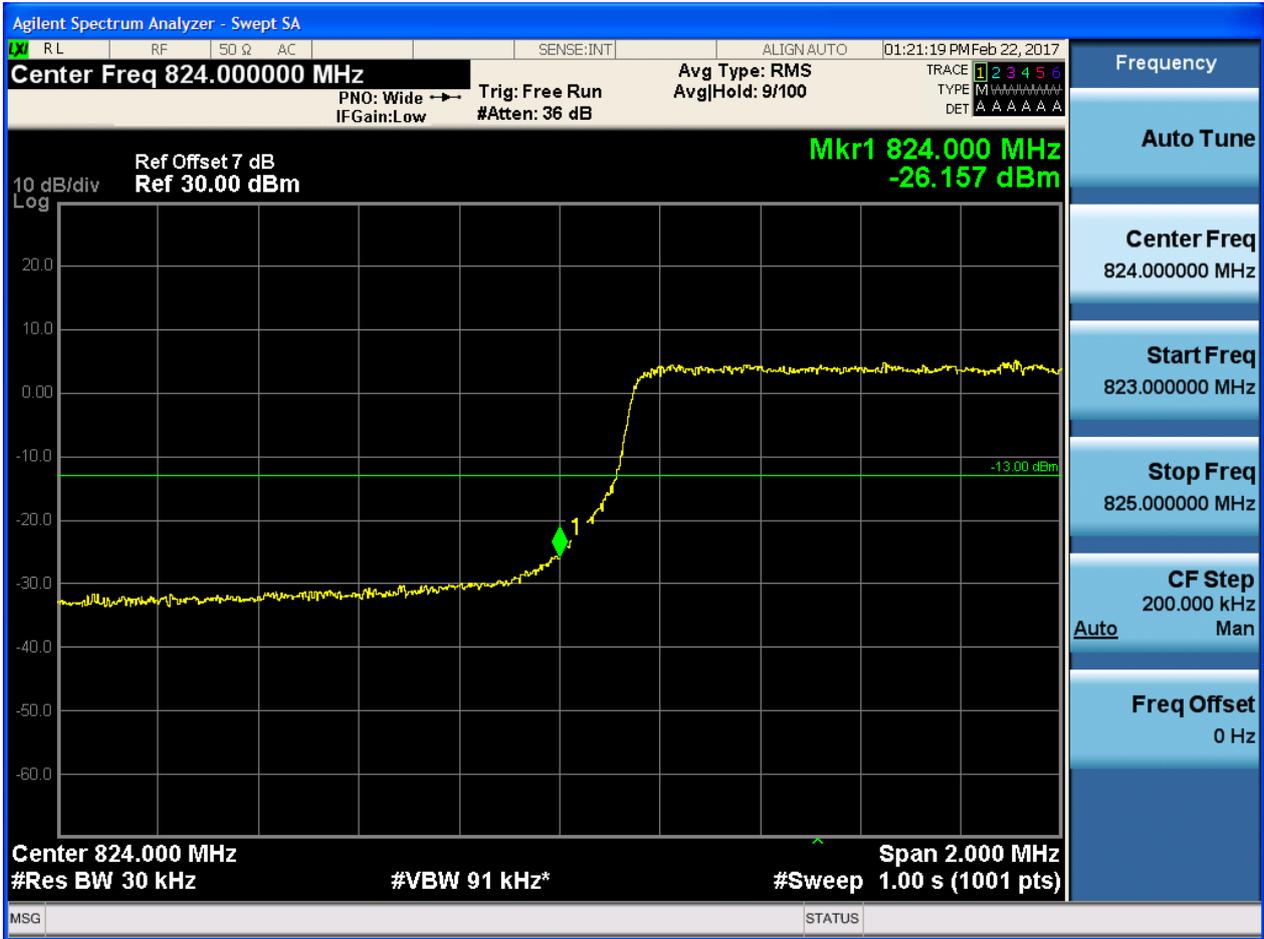**4.1.1.1.2.1.1 Test RB = RB15#0**
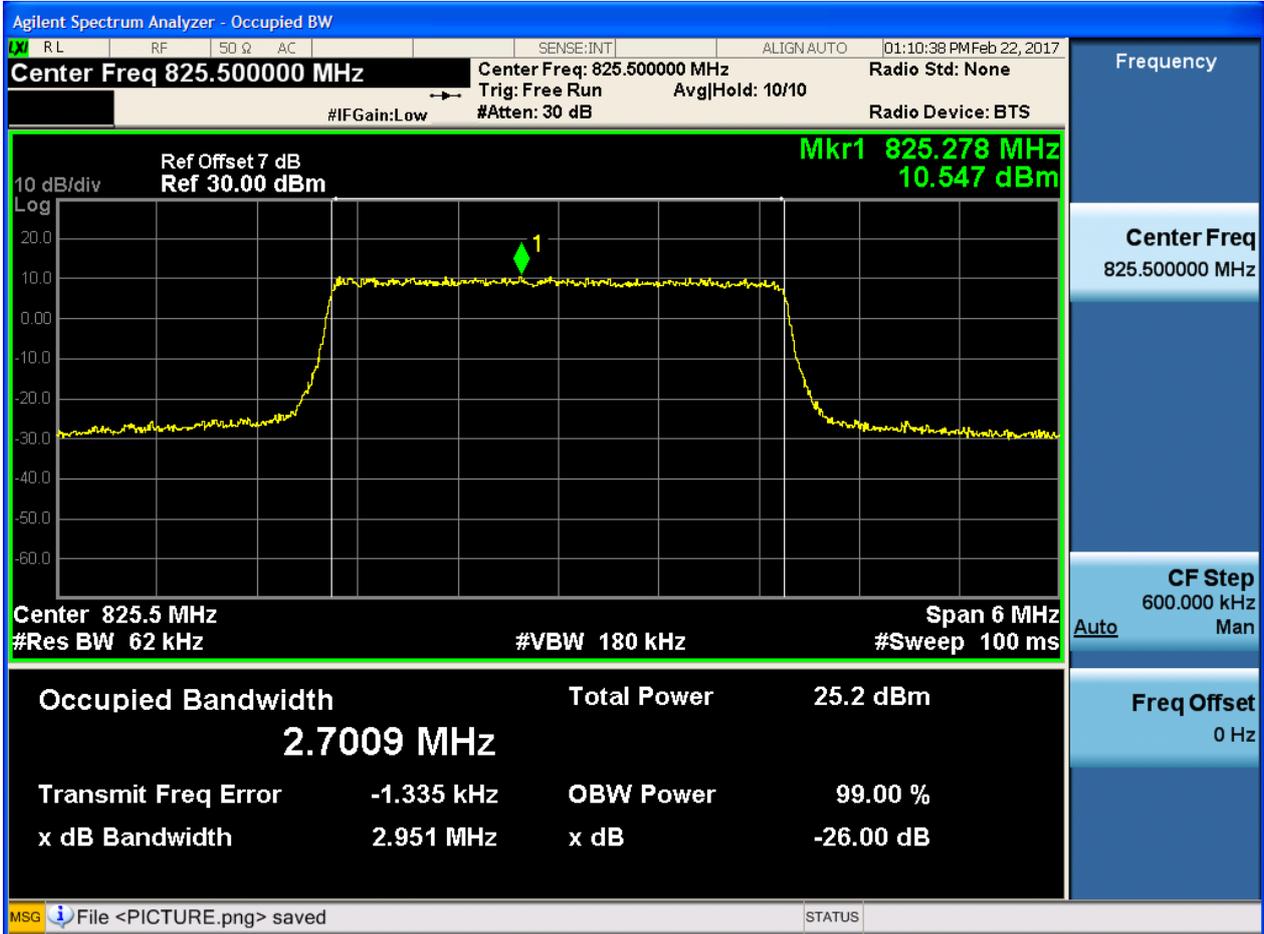
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0
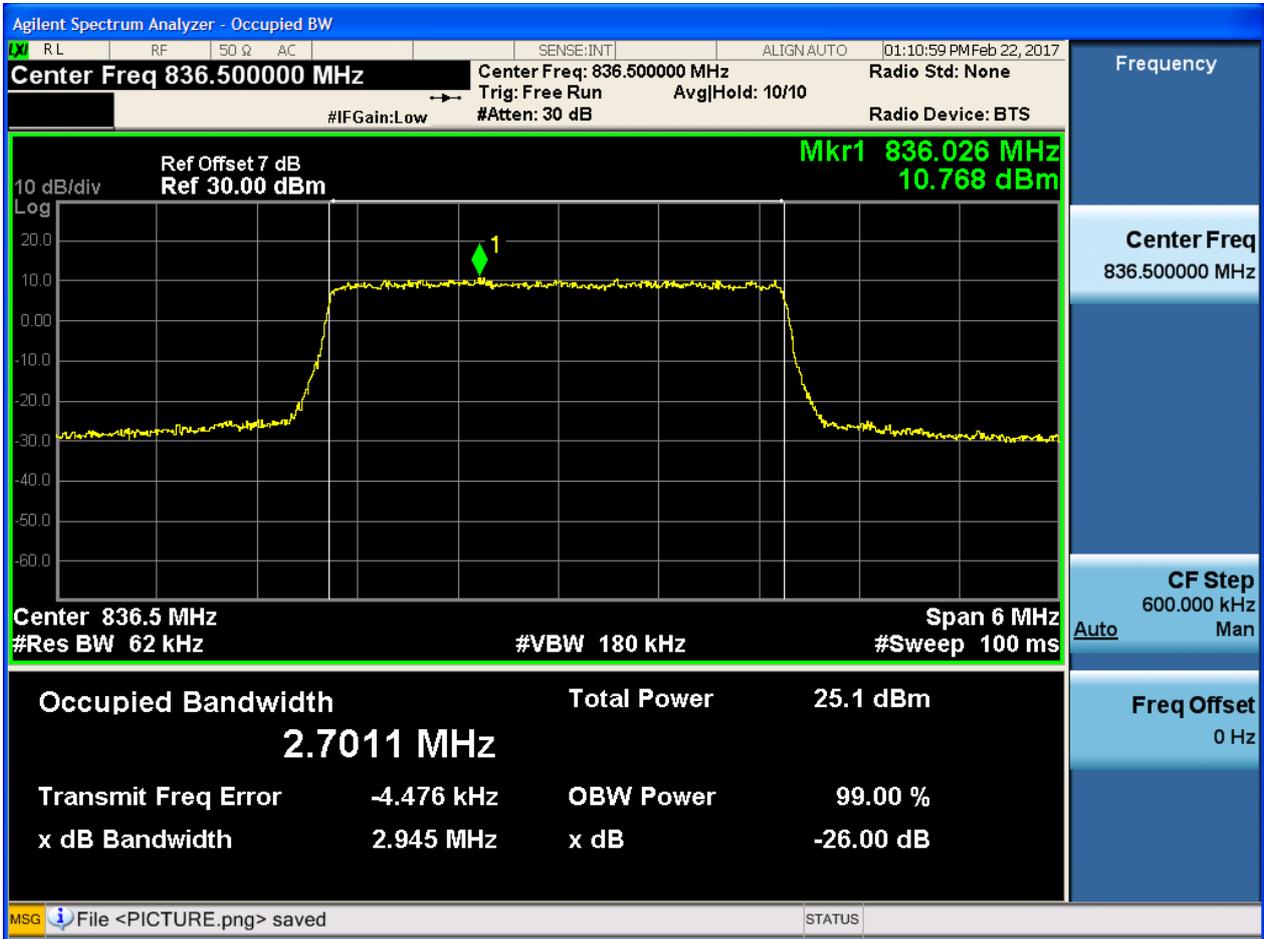
4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0
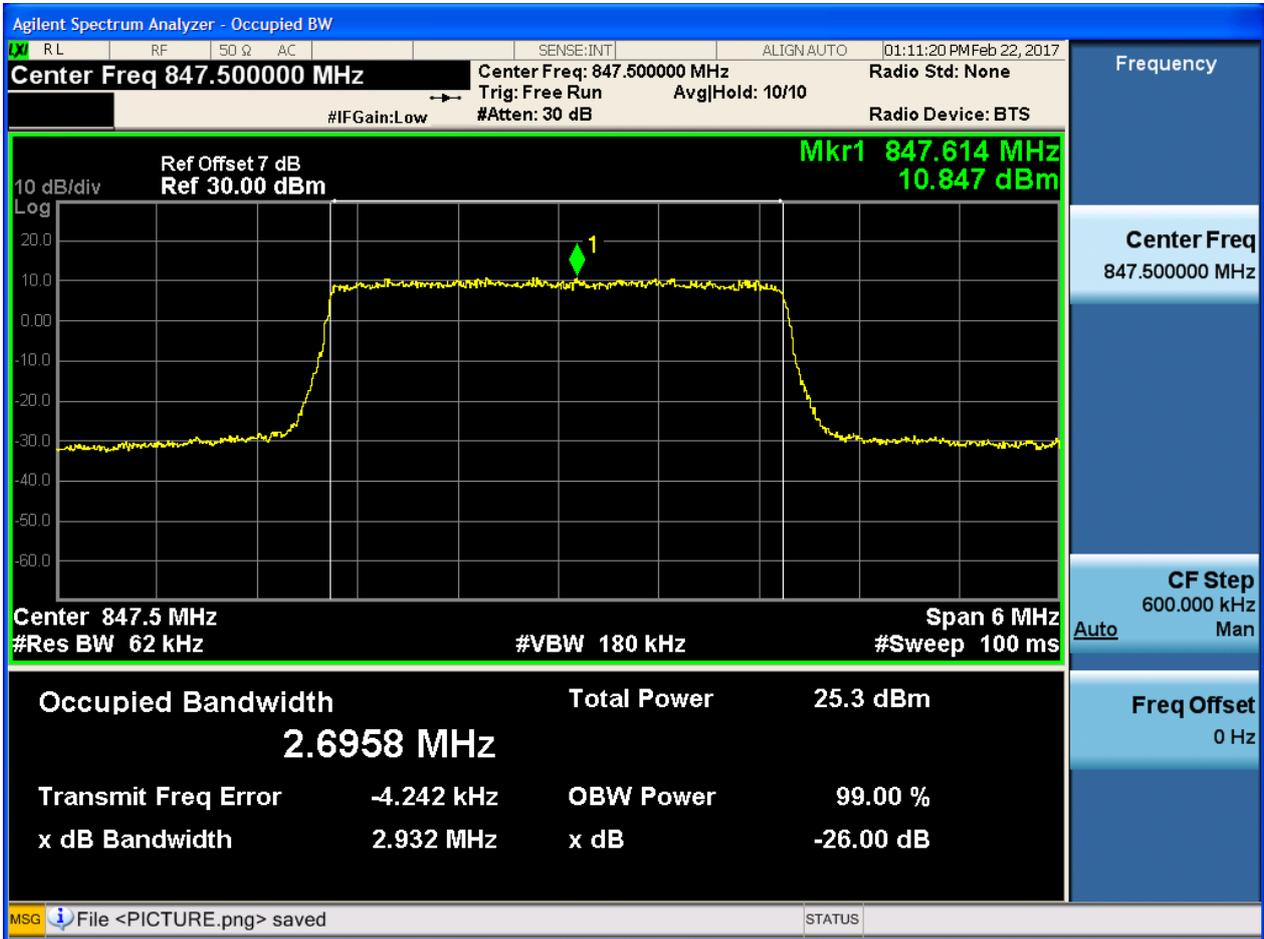
4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0
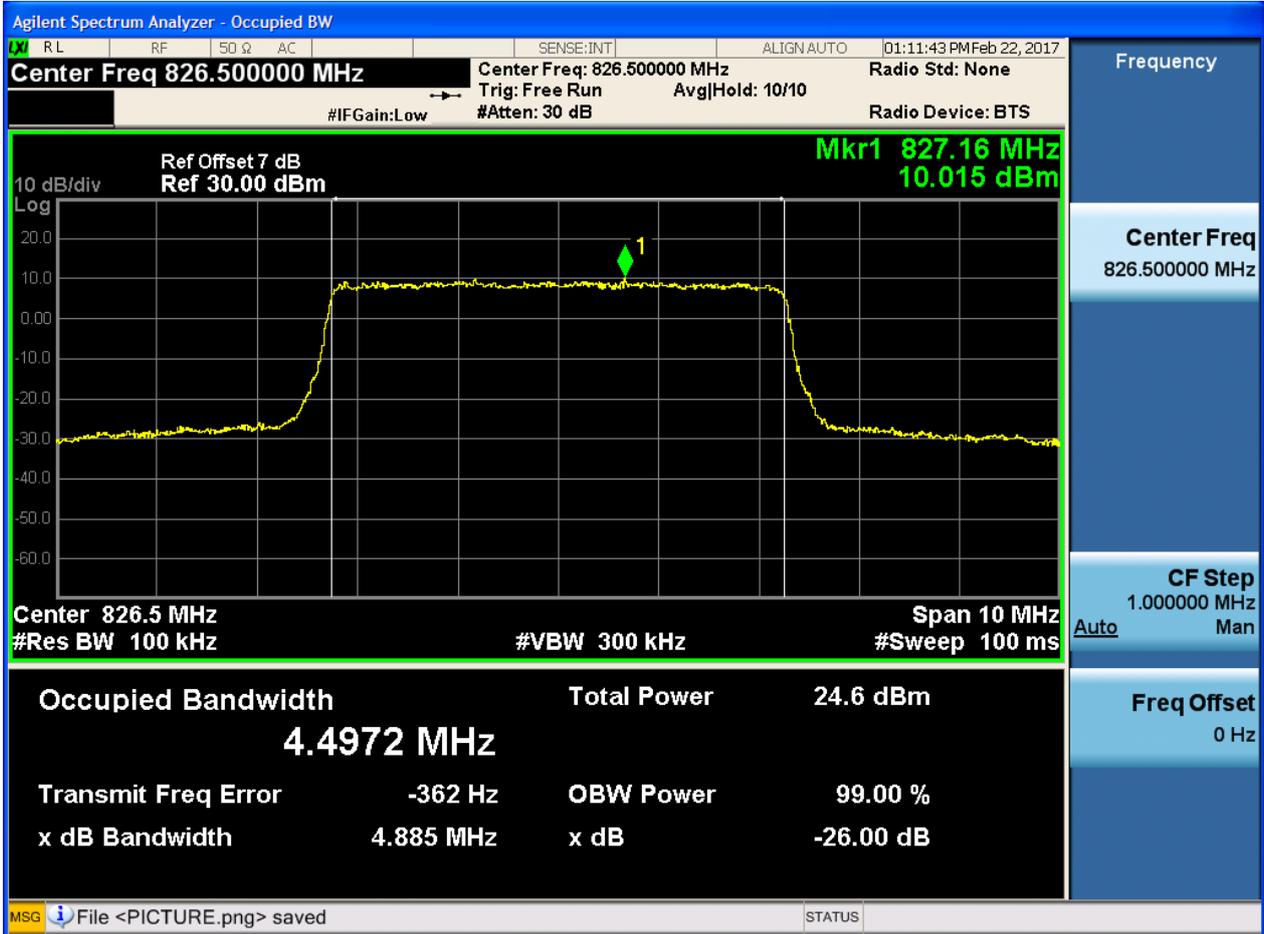
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0
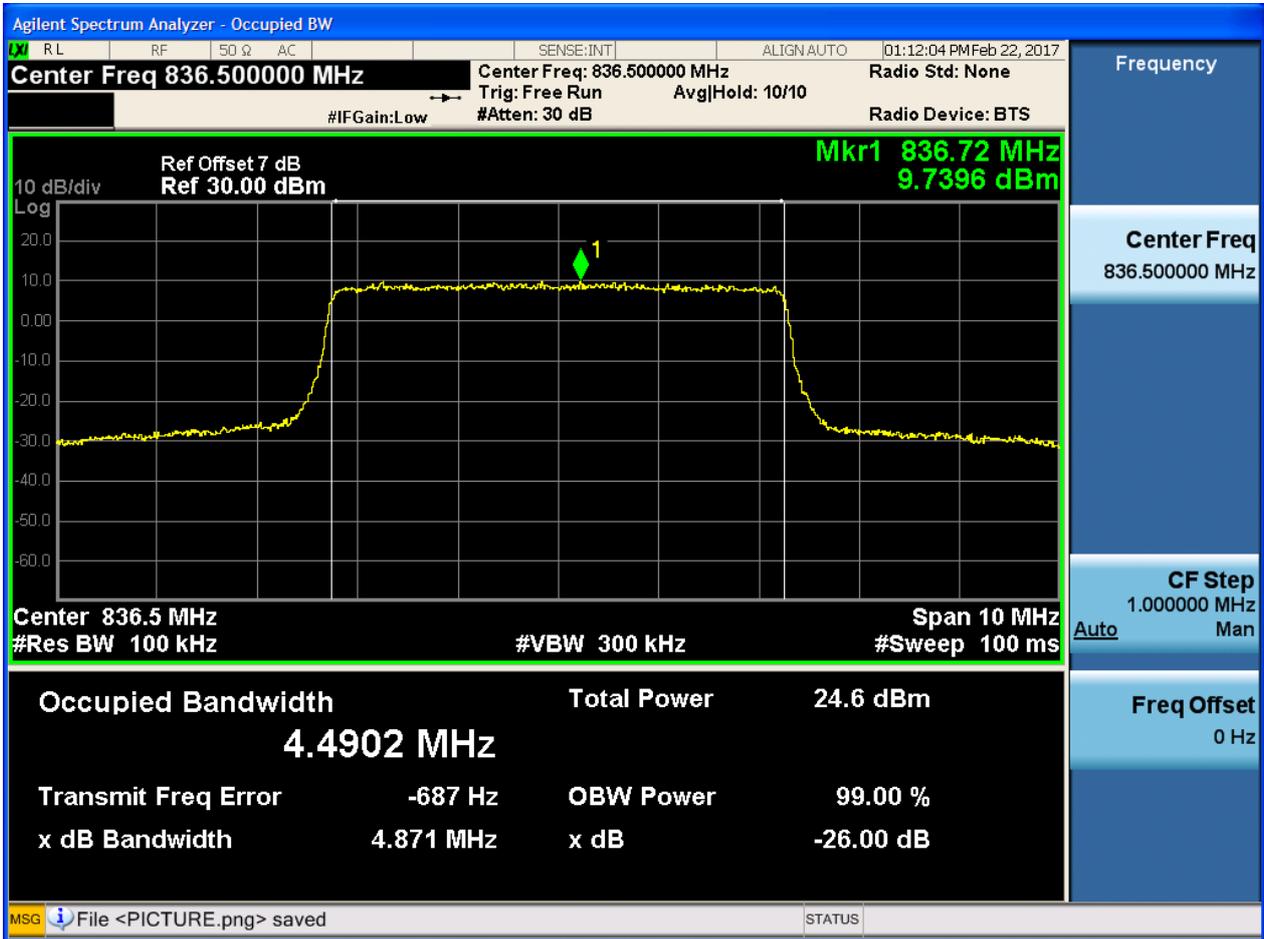
4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0
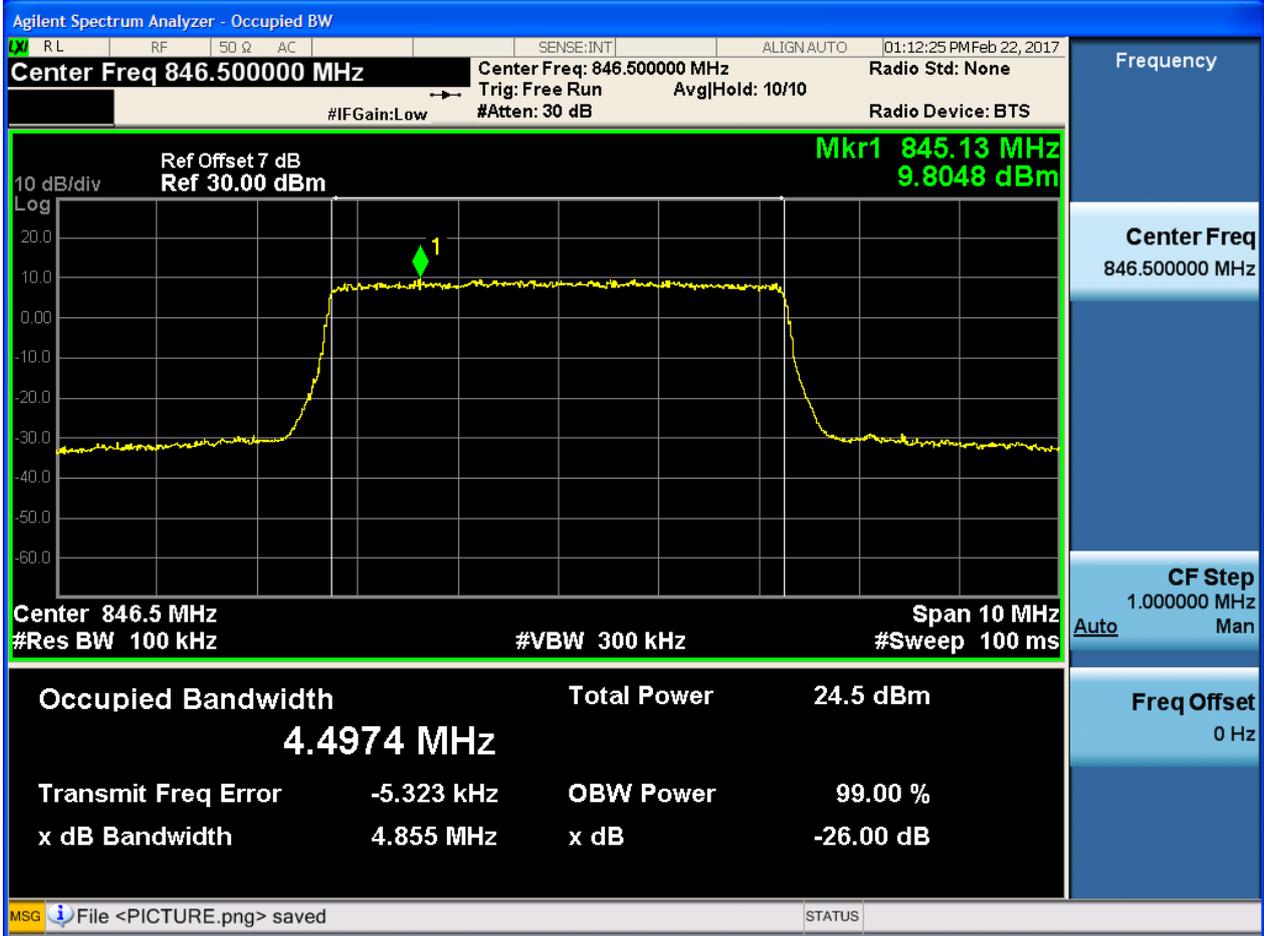
4.1.1.1.4 Test Bandwidth = 10

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
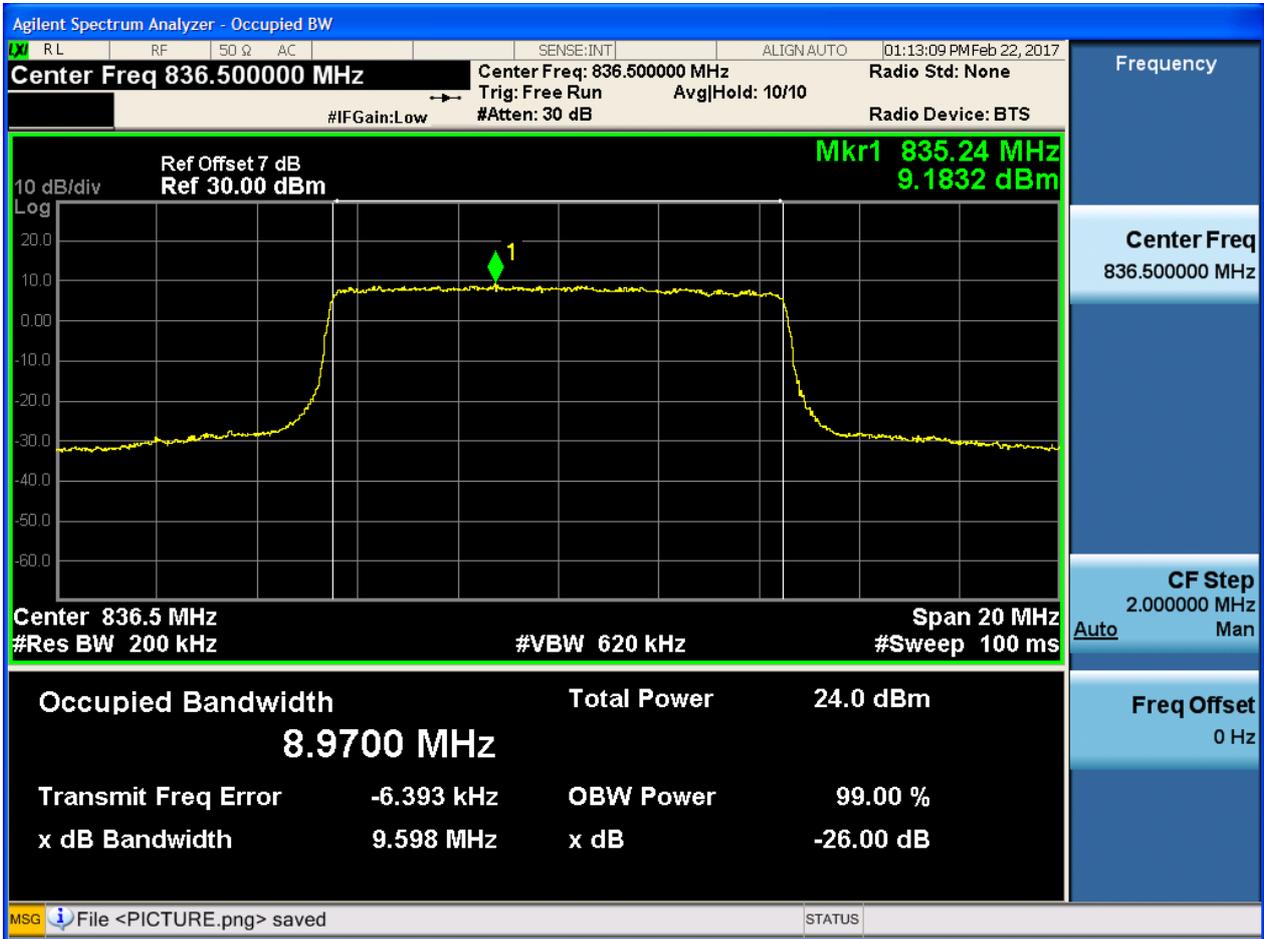
4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

Agilent Spectrum Analyzer - Occupied BW				

LXI R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   01:13:30 PM Feb 22, 2017

Center Freq 844.000000 MHz   Center Freq: 844.000000 MHz   Radio Std: None
                                   Trig: Free Run   Avg|Hold: 10/10
                        #IFGain:Low #Atten: 30 dB   Radio Device: BTS

Ref Offset 7 dB   Mkr1 845.28 MHz
10 dB/div   Ref 30.00 dBm   8.8473 dBm

Center 844 MHz   Span 20 MHz
#Res BW 200 kHz   #VBW 620 kHz   #Sweep 100 ms

Occupied Bandwidth		Total Power	23.9 dBm
8.9688 MHz			
Transmit Freq Error	2.322 kHz	OBW Power	99.00 %
x dB Bandwidth	9.562 MHz	x dB	-26.00 dB

MSG (i) File <PICTURE.png> saved   STATUS

Frequency

Center Freq
844.000000 MHz

CF Step
2.000000 MHz
Auto   Man

Freq Offset
0 Hz

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
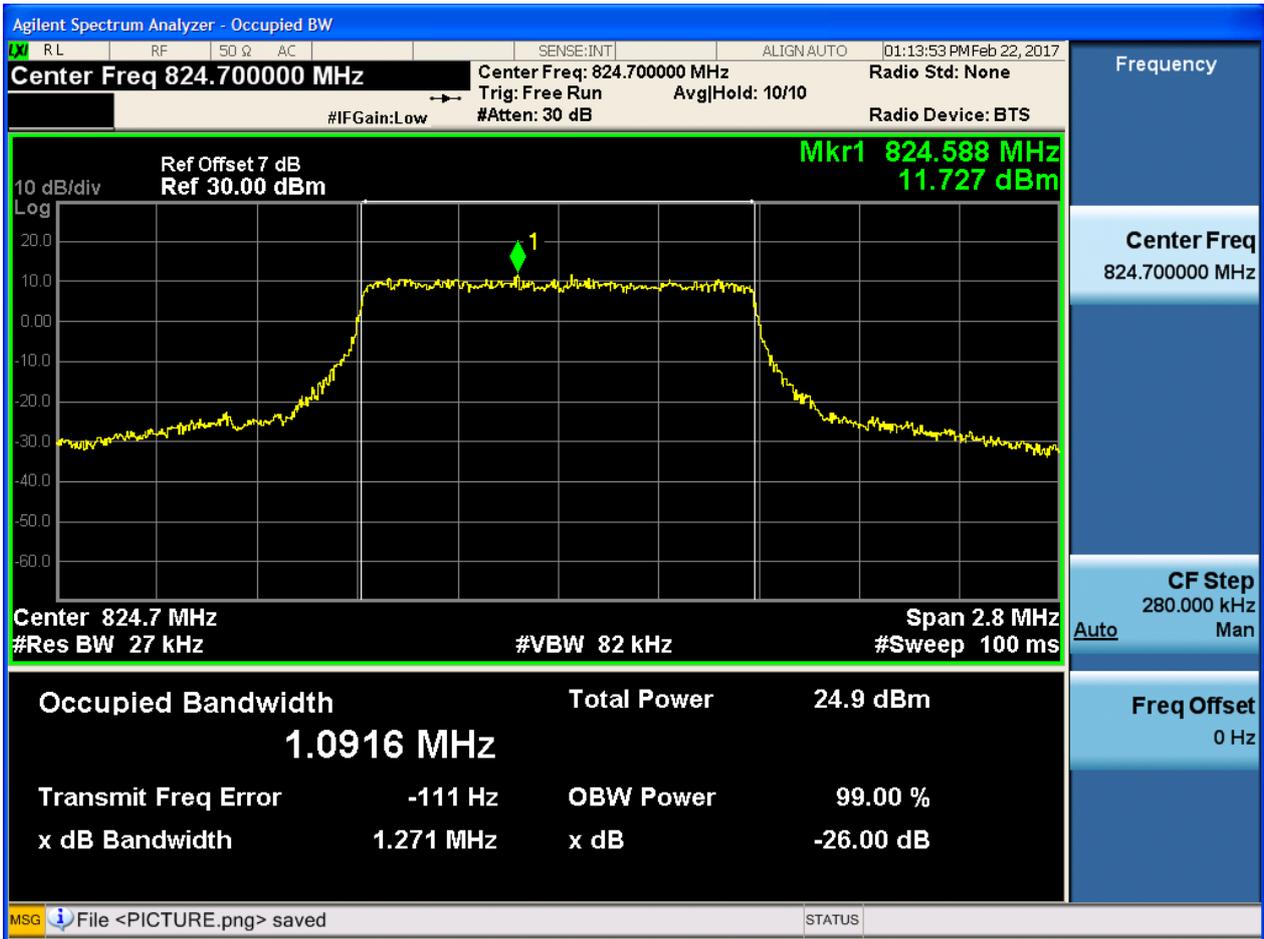
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0
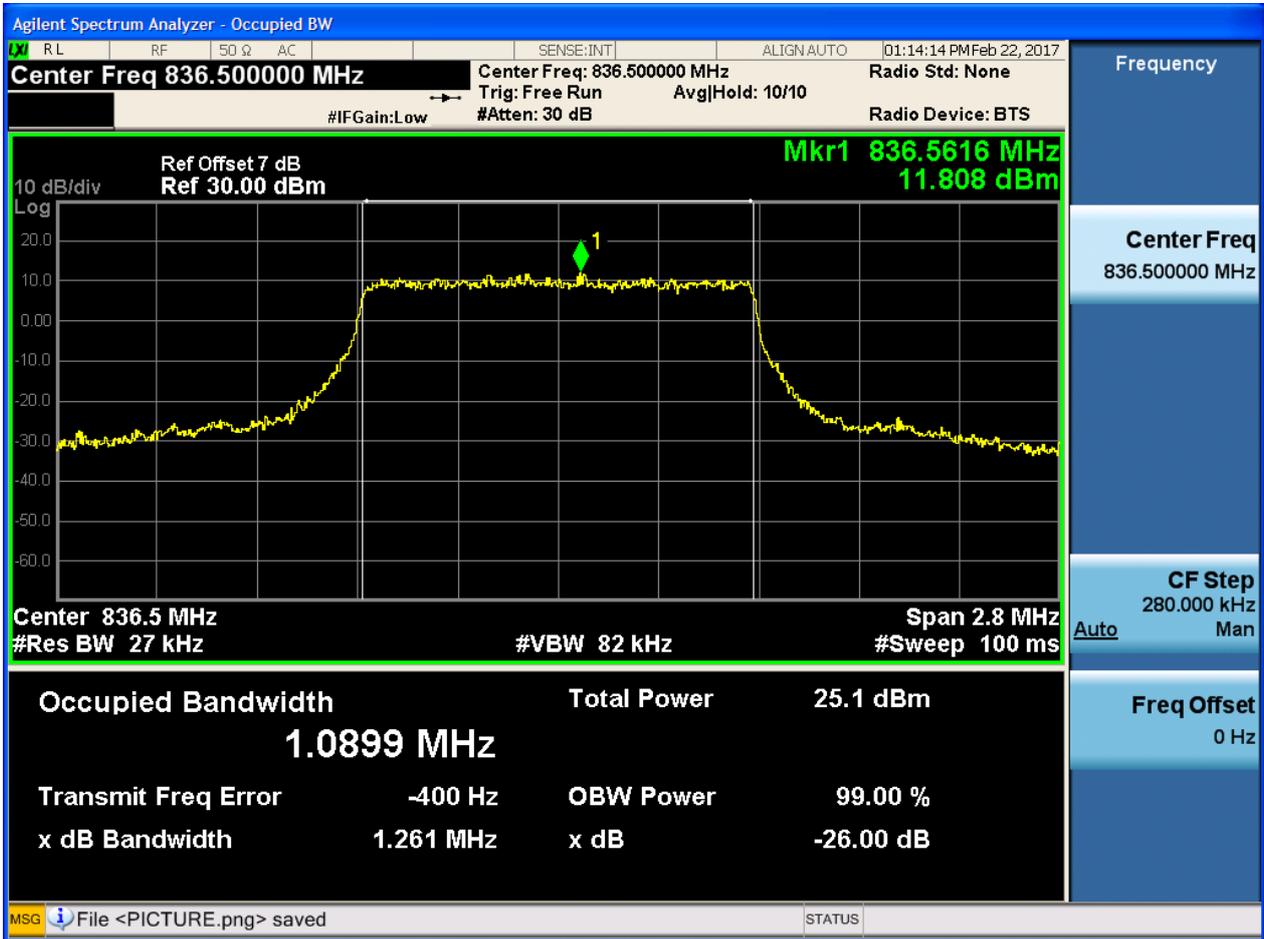
4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0
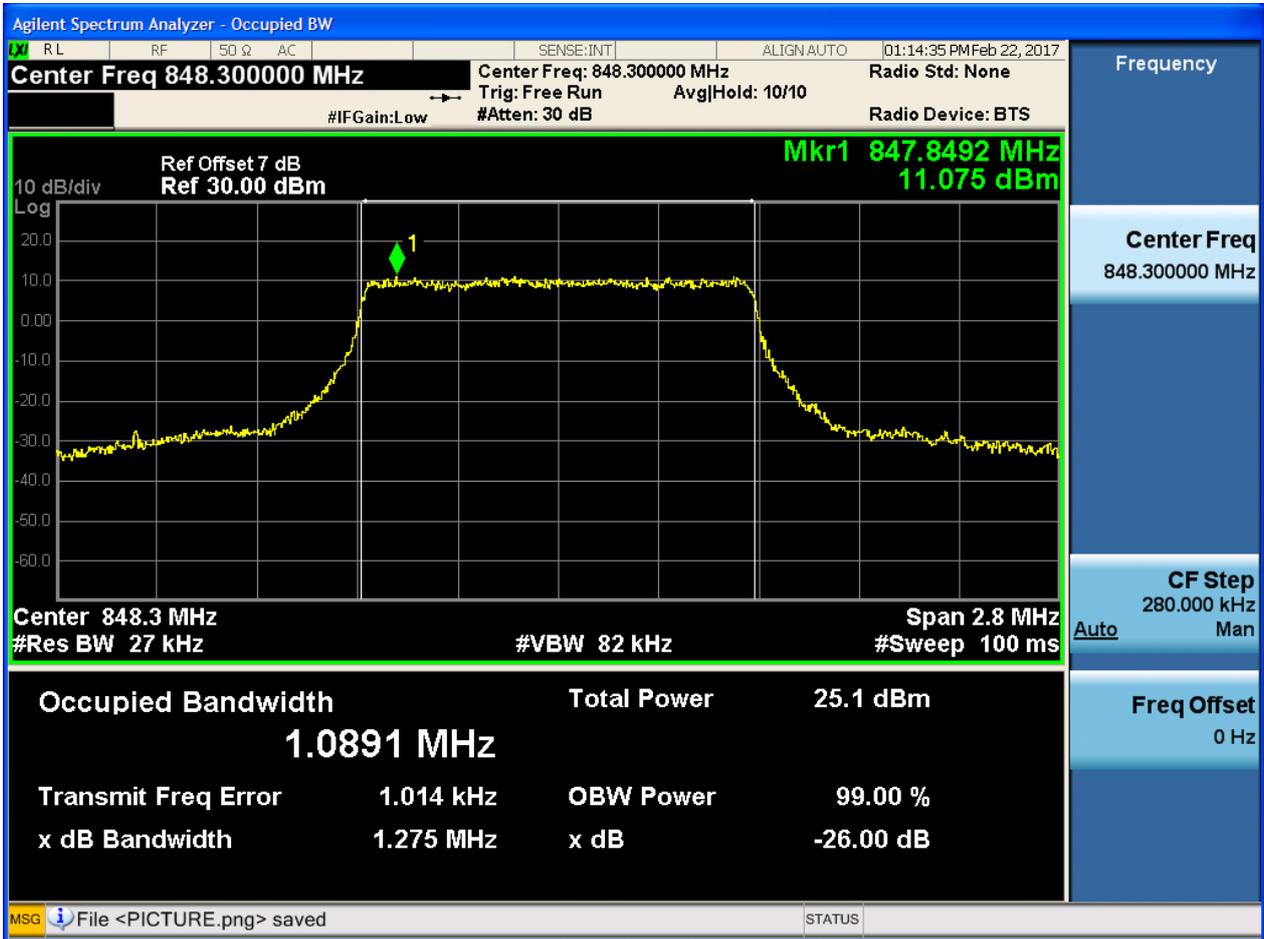
4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0
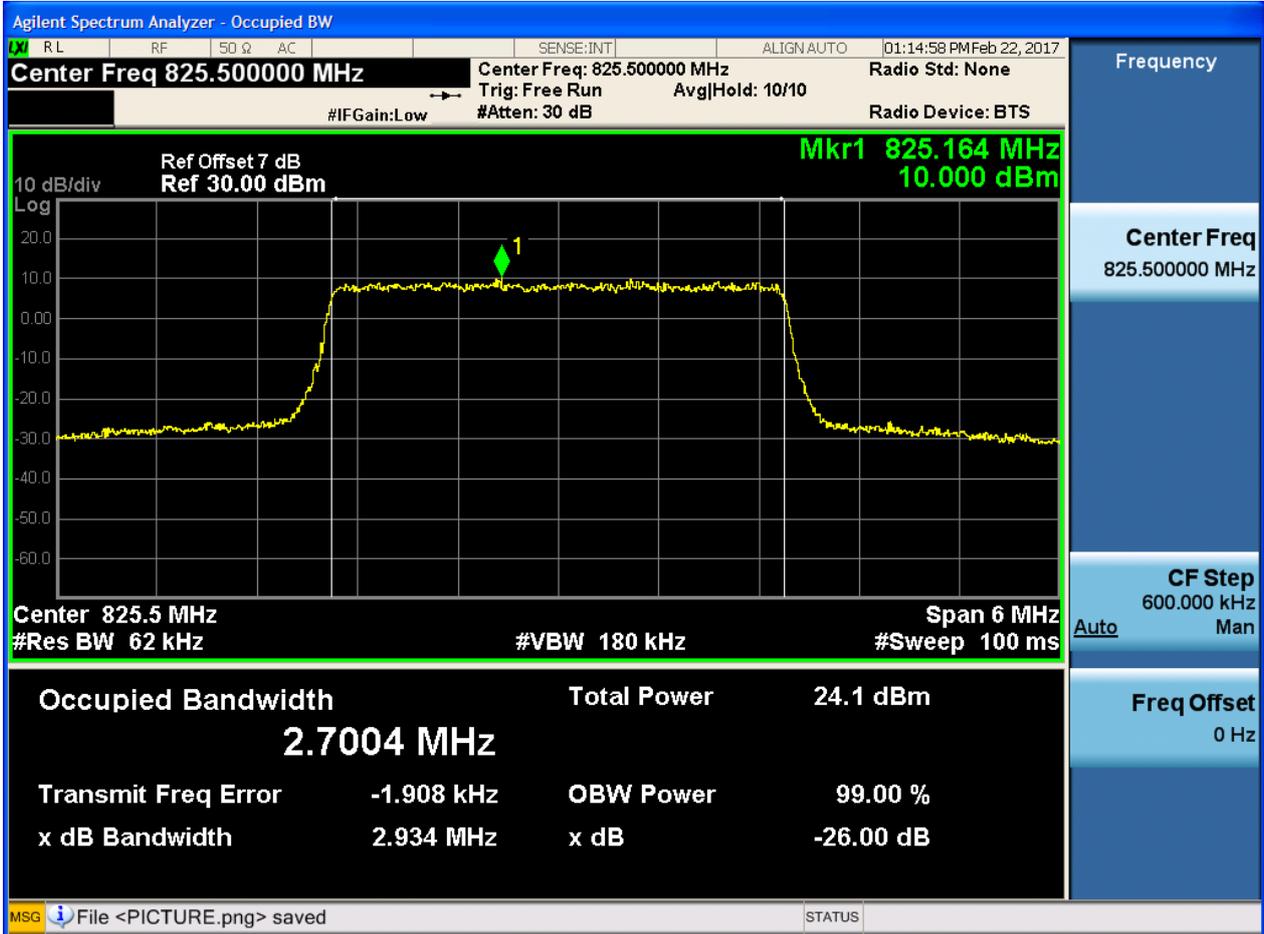
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0
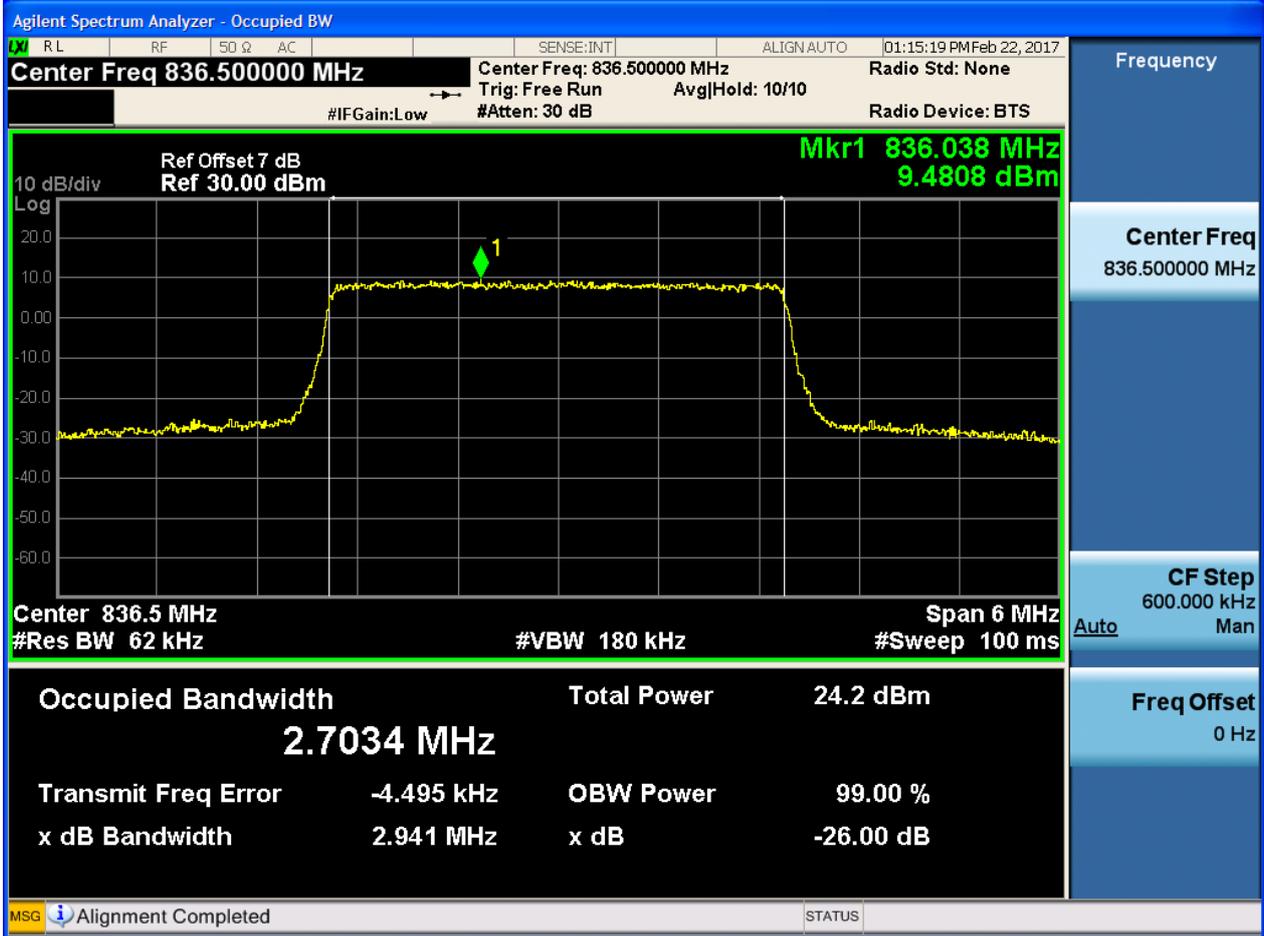
4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

Agilent Spectrum Analyzer - Occupied BW

| LXI | R L | | RF | 50 Ω | AC | | SENSE:INT | | ALIGN AUTO | 01:15:40 PM Feb 22, 2017 | Frequency |

Center Freq 847.500000 MHz

Center Freq: 847.500000 MHz   Radio Std: None
Trig: Free Run   Avg|Hold: 10/10
#IFGain:Low   #Atten: 30 dB   Radio Device: BTS

Mkr1 848.574 MHz
19.406 dBm

Ref Offset 7 dB
Ref 30.00 dBm
10 dB/div
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Center 847.5 MHz   Span 6 MHz
#Res BW 62 kHz   #VBW 180 kHz   #Sweep 100 ms

Center Freq
847.500000 MHz

CF Step
600.000 kHz
Auto   Man

Freq Offset
0 Hz

Occupied Bandwidth		Total Power	24.8 dBm
2.6946 MHz			
Transmit Freq Error	-1.942 kHz	OBW Power	99.00 %
x dB Bandwidth	2.817 MHz	x dB	-26.00 dB

MSG   File <PICTURE.png> saved   STATUS

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
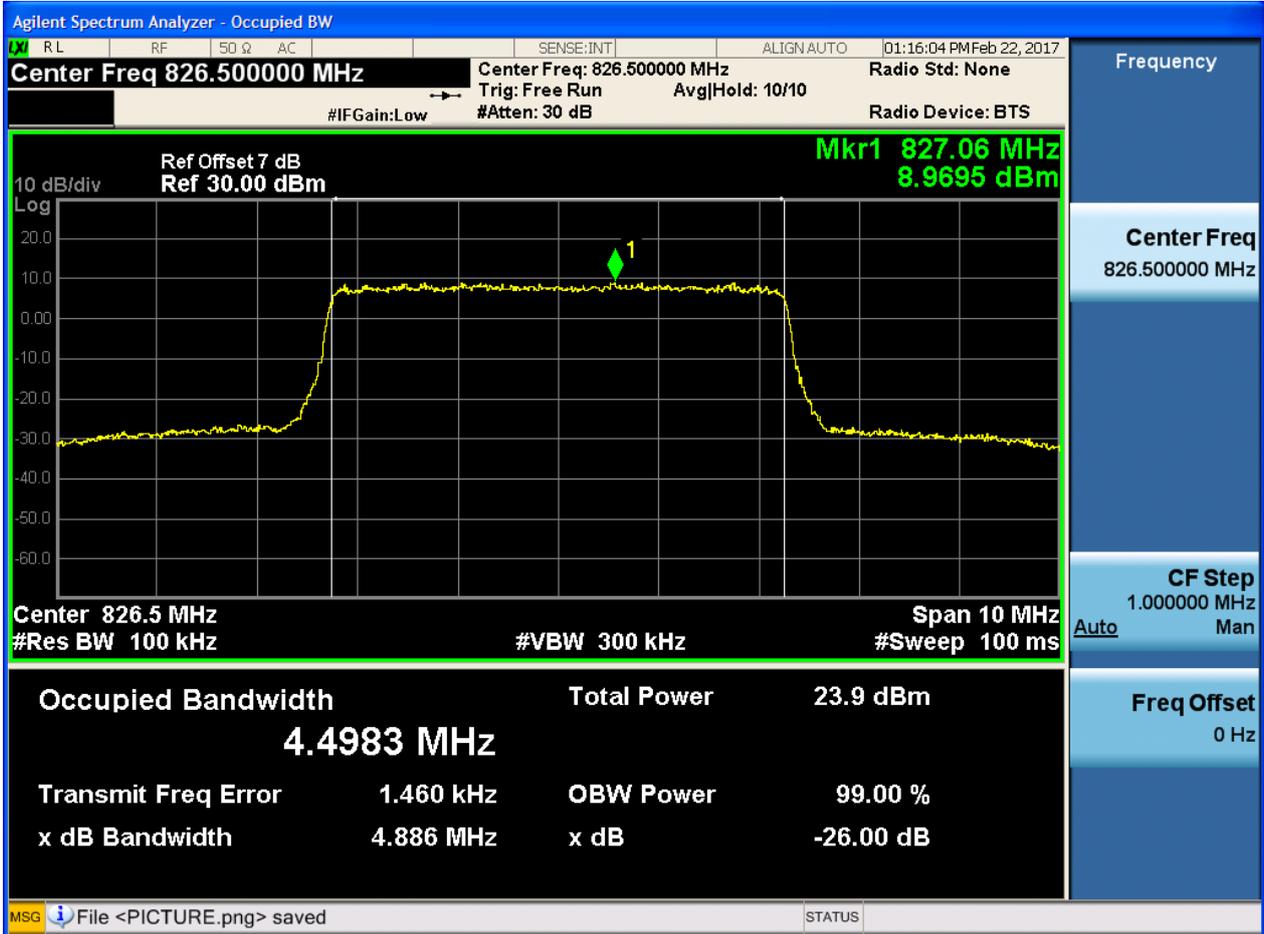
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0
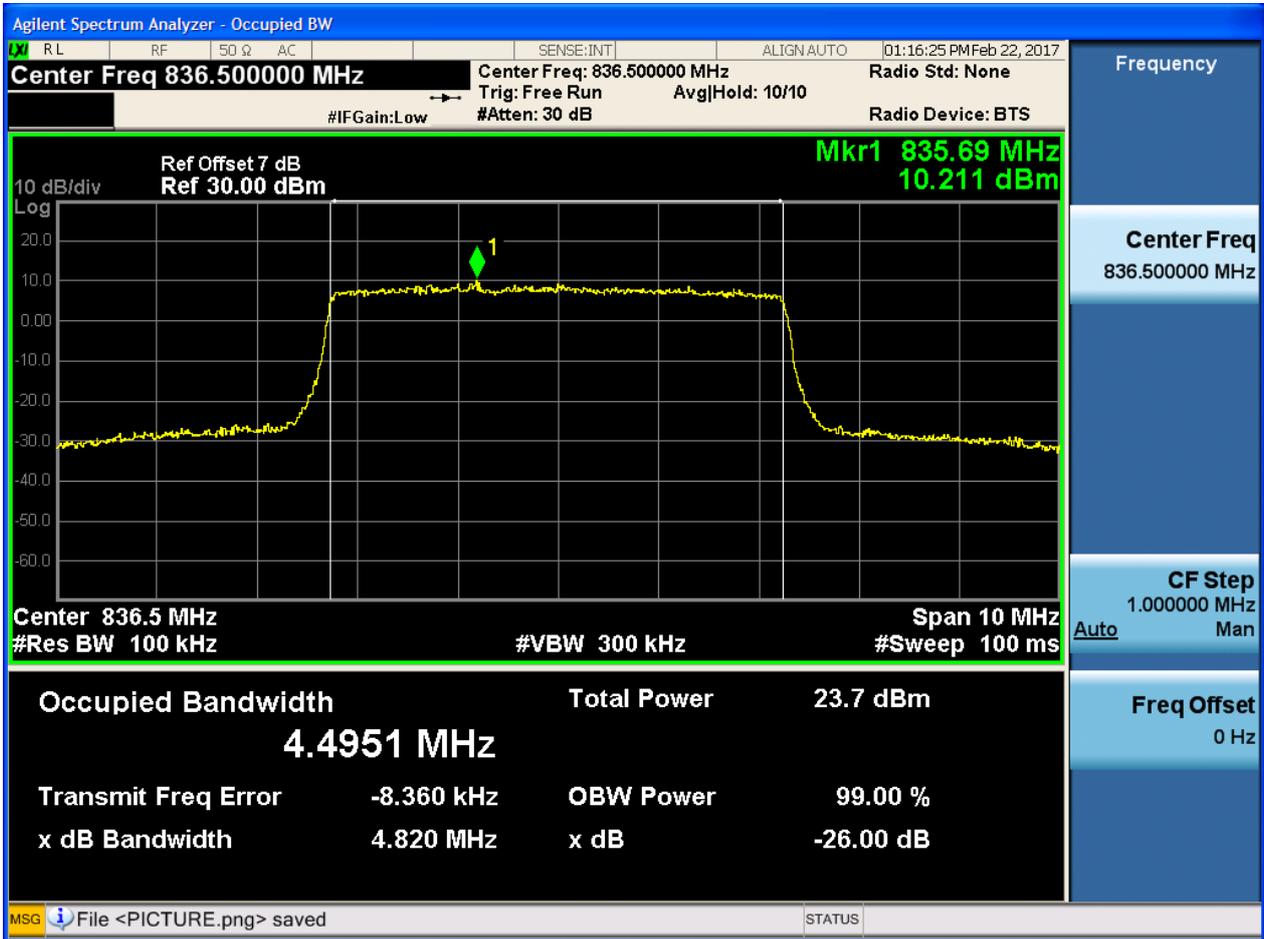
4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0
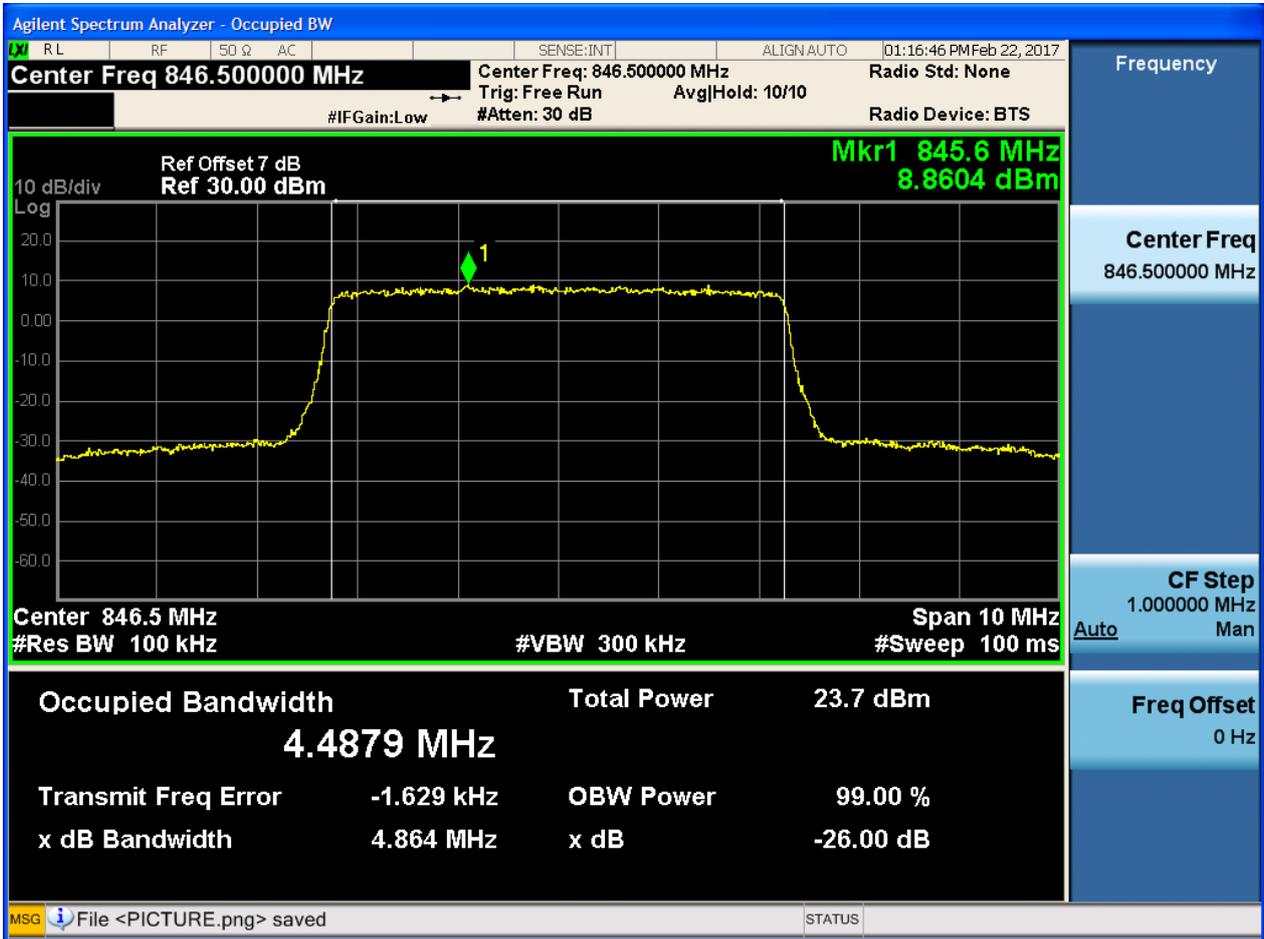
4.1.1.2.4 Test Bandwidth = 10

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
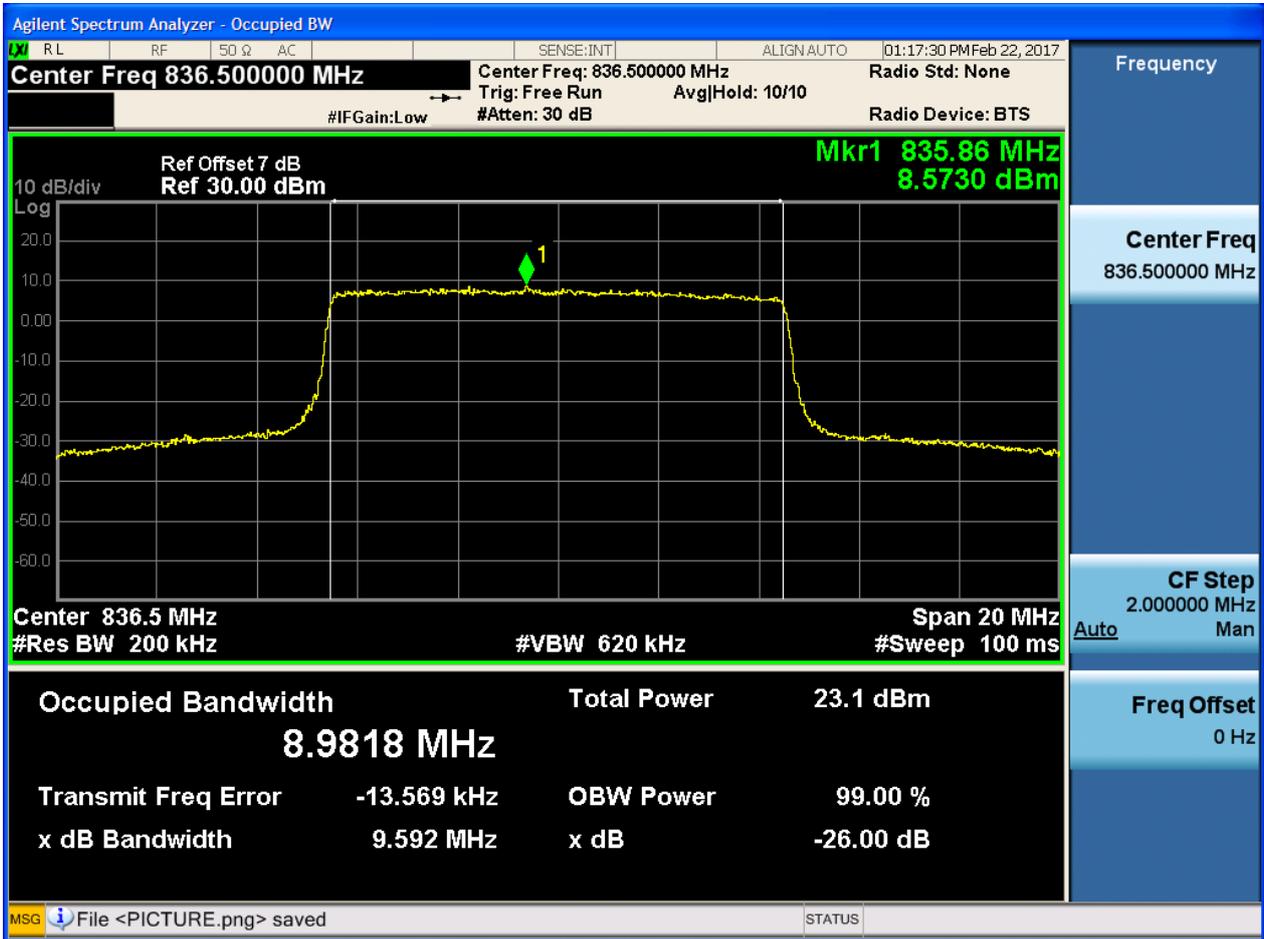
4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0
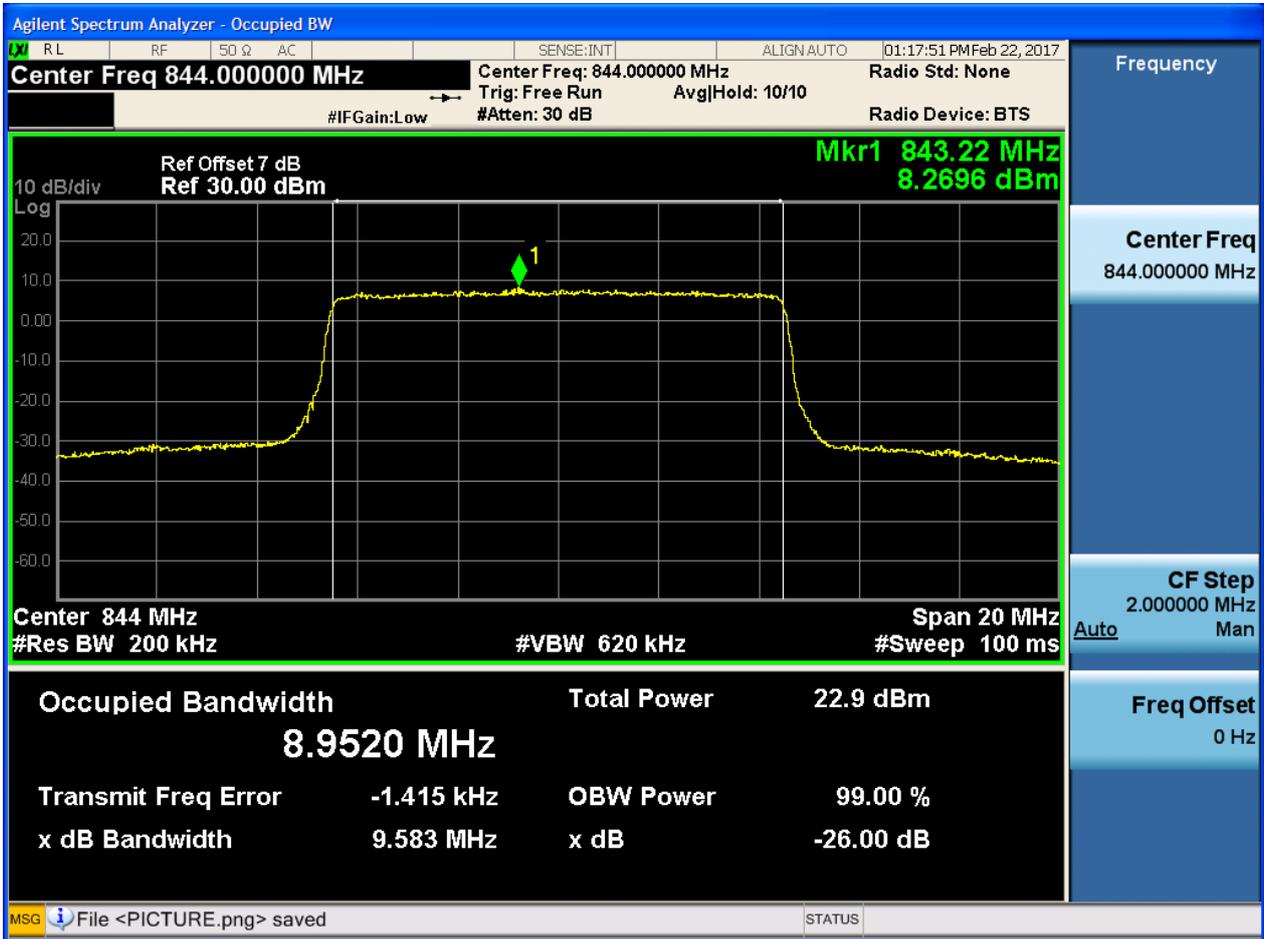
5Appendix_E: Band Edges Compliance

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

5.1.1.1.1.1.2 Test RB = RB1#5

5.1.1.1.1.1.3 Test RB = RB3#2

5.1.1.1.1.1.4 Test RB = RB6#0

5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0

5.1.1.1.1.2.2 Test RB = RB1#5

5.1.1.1.1.2.3 Test RB = RB3#2

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
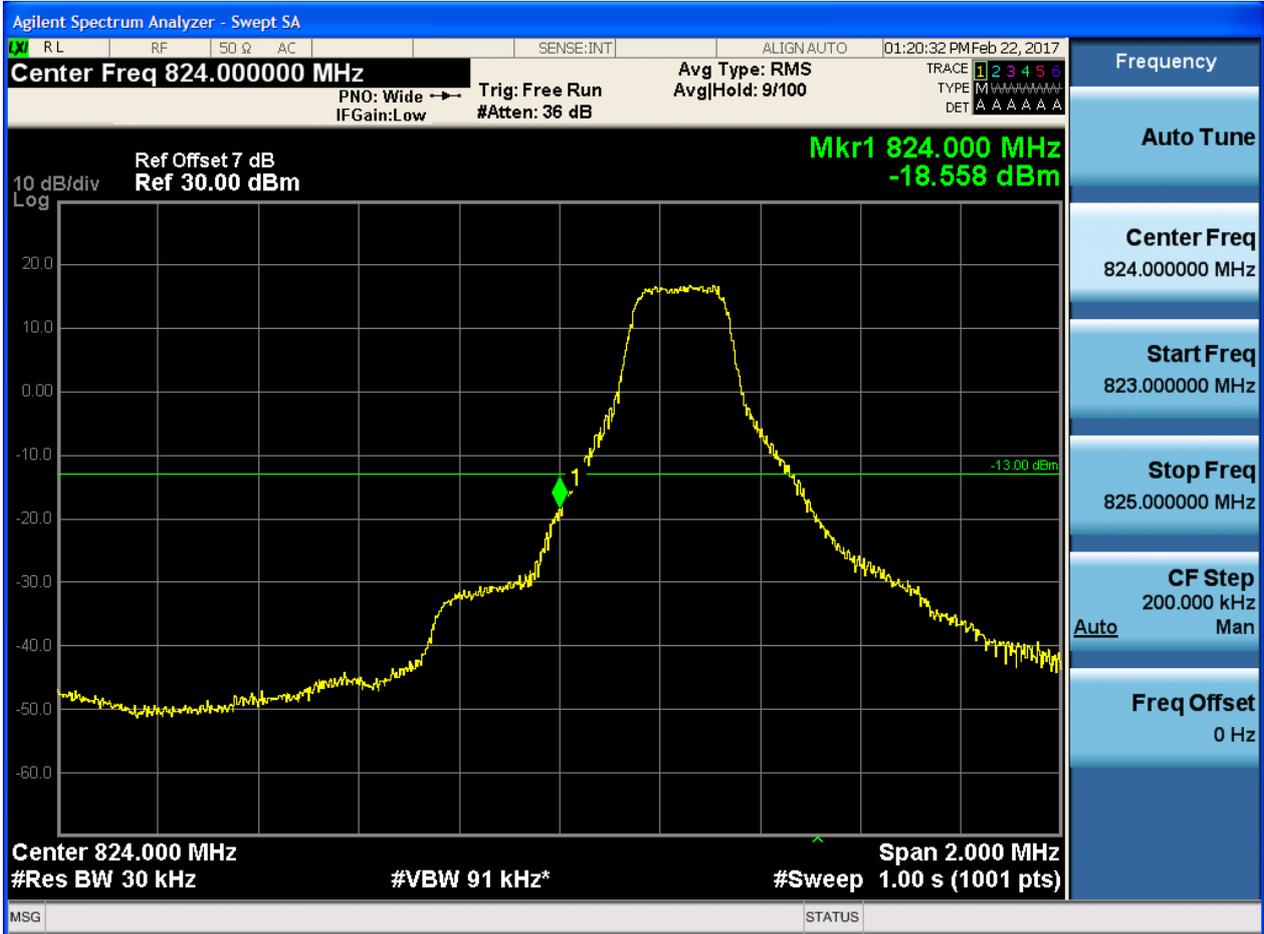
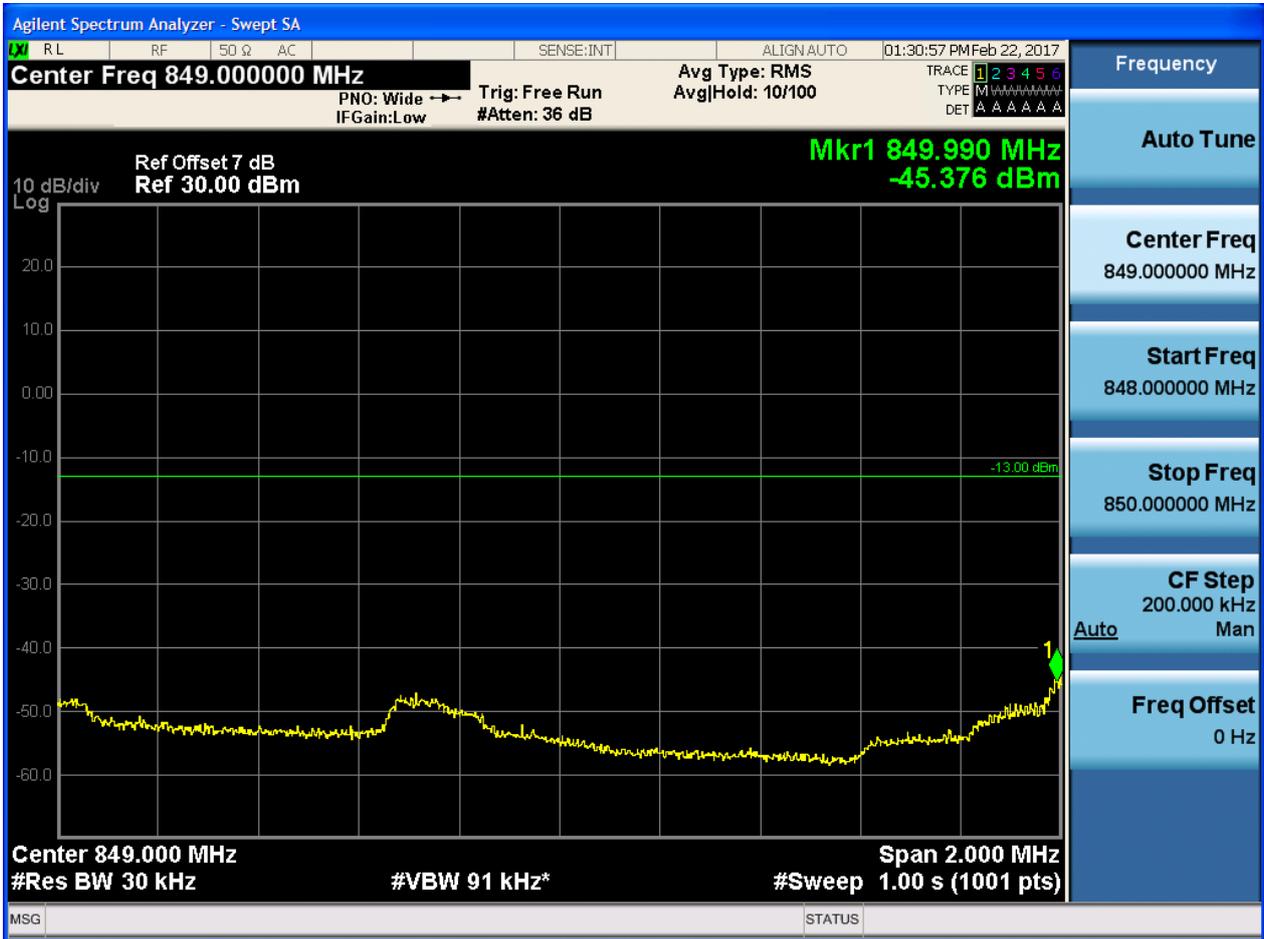## 5.1.1.1.2.1.2 Test RB = RB1#14
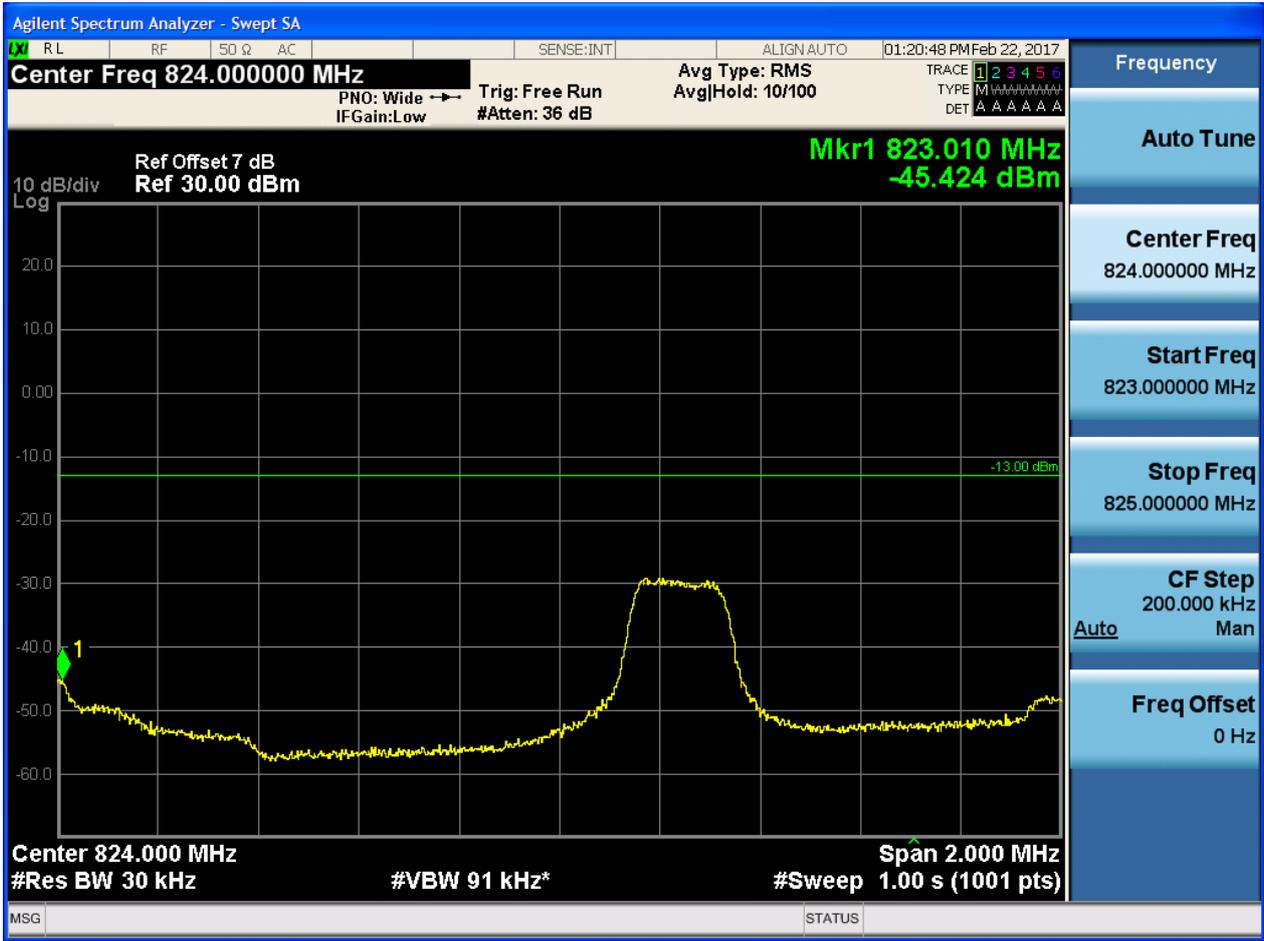
5.1.1.1.2.1.3 Test RB = RB8#4
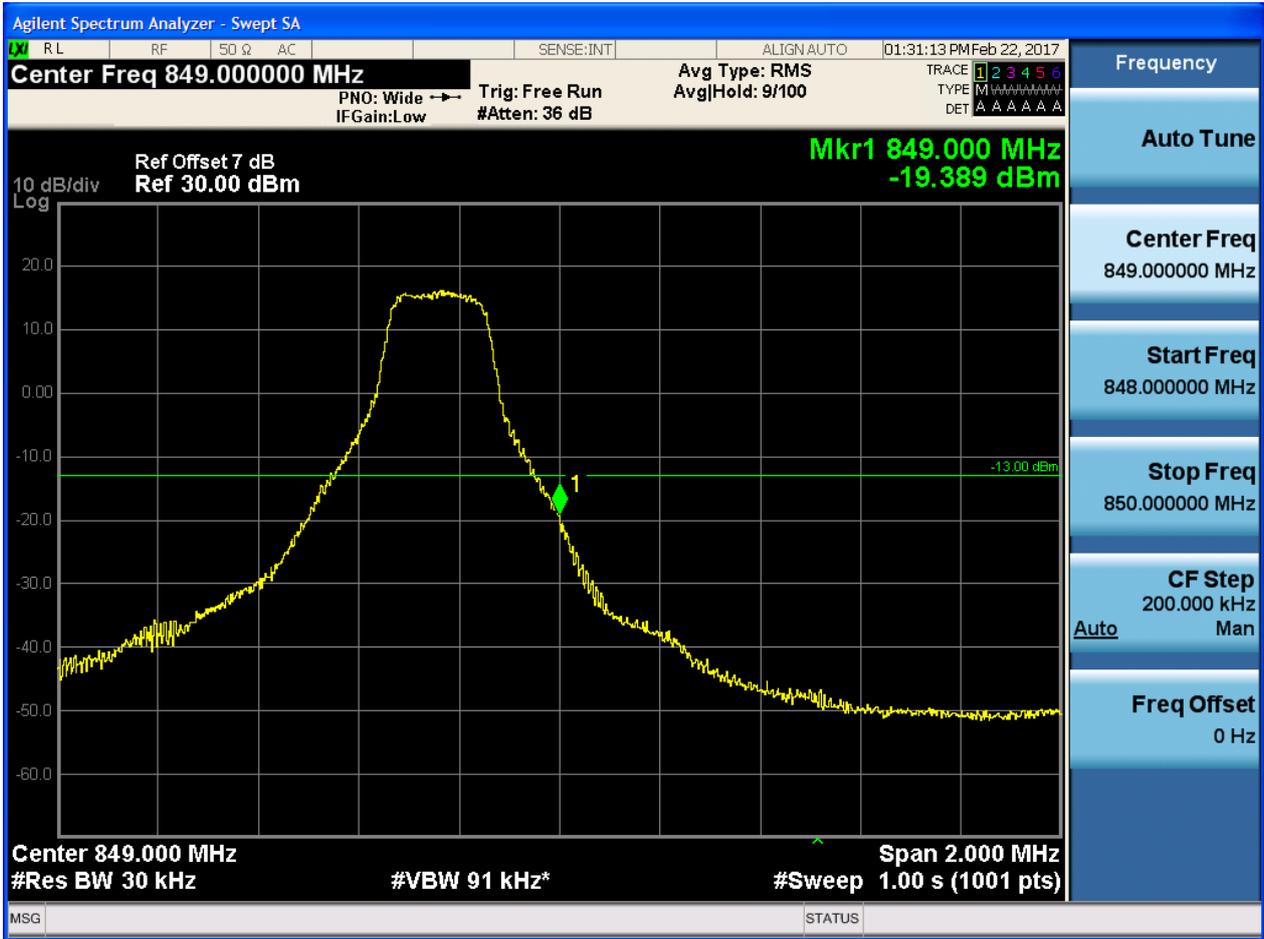
5.1.1.1.2.1.4 Test RB = RB15#0

5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0
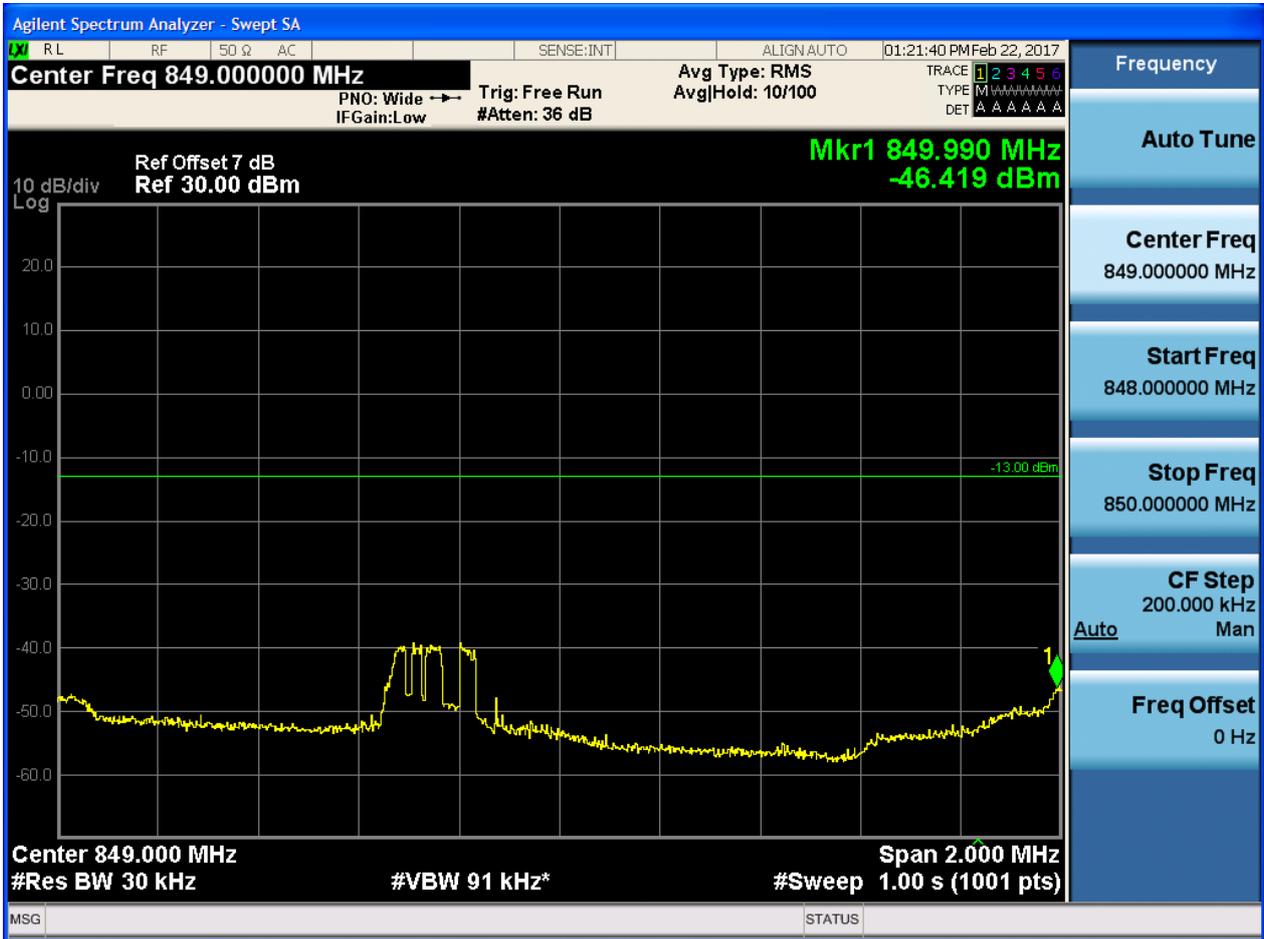
5.1.1.1.2.2.2 Test RB = RB1#14
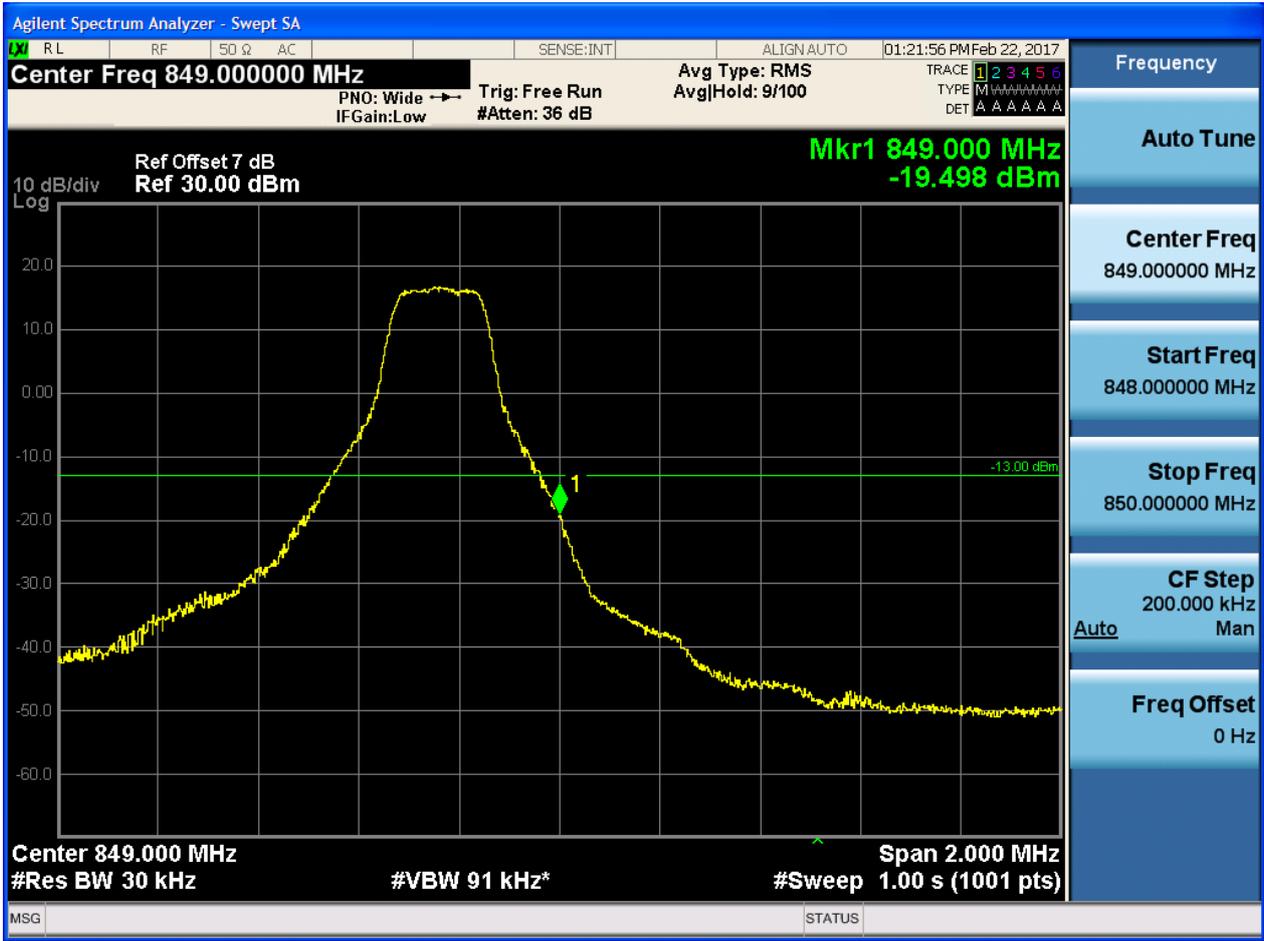
5.1.1.1.2.2.3 Test RB = RB8#4

## 5.1.1.1.2.2.4 Test RB = RB15#0

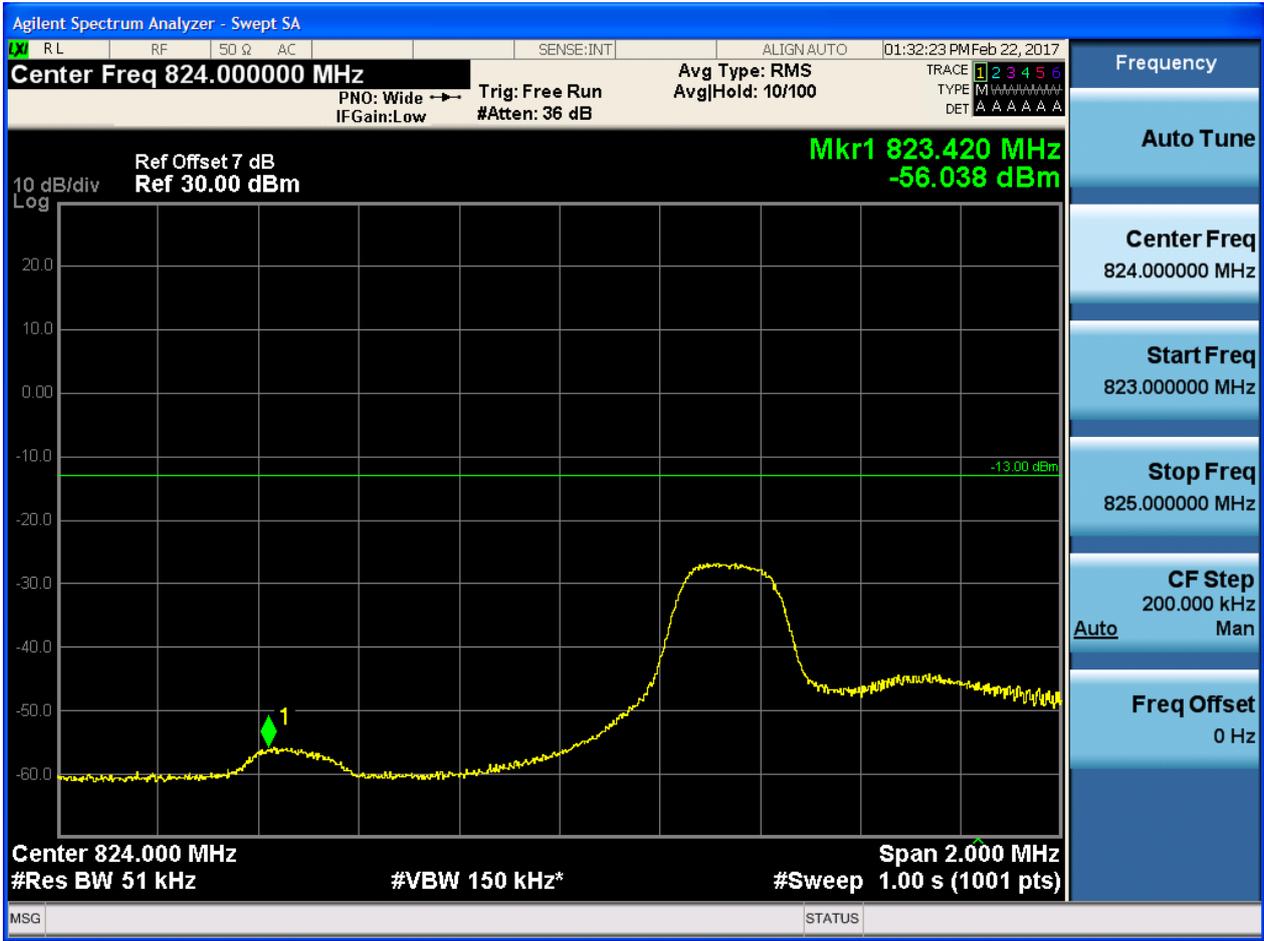### 5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0
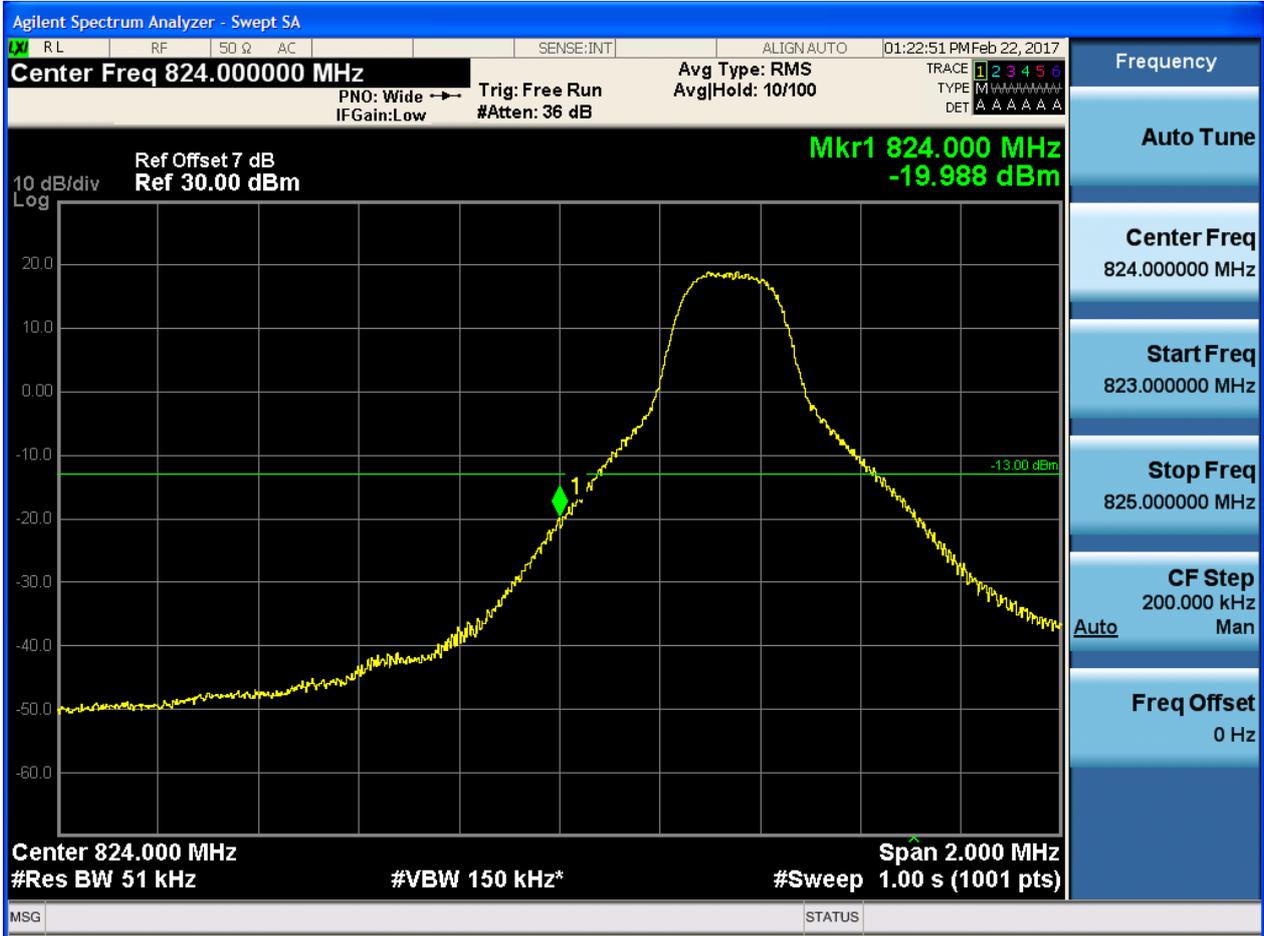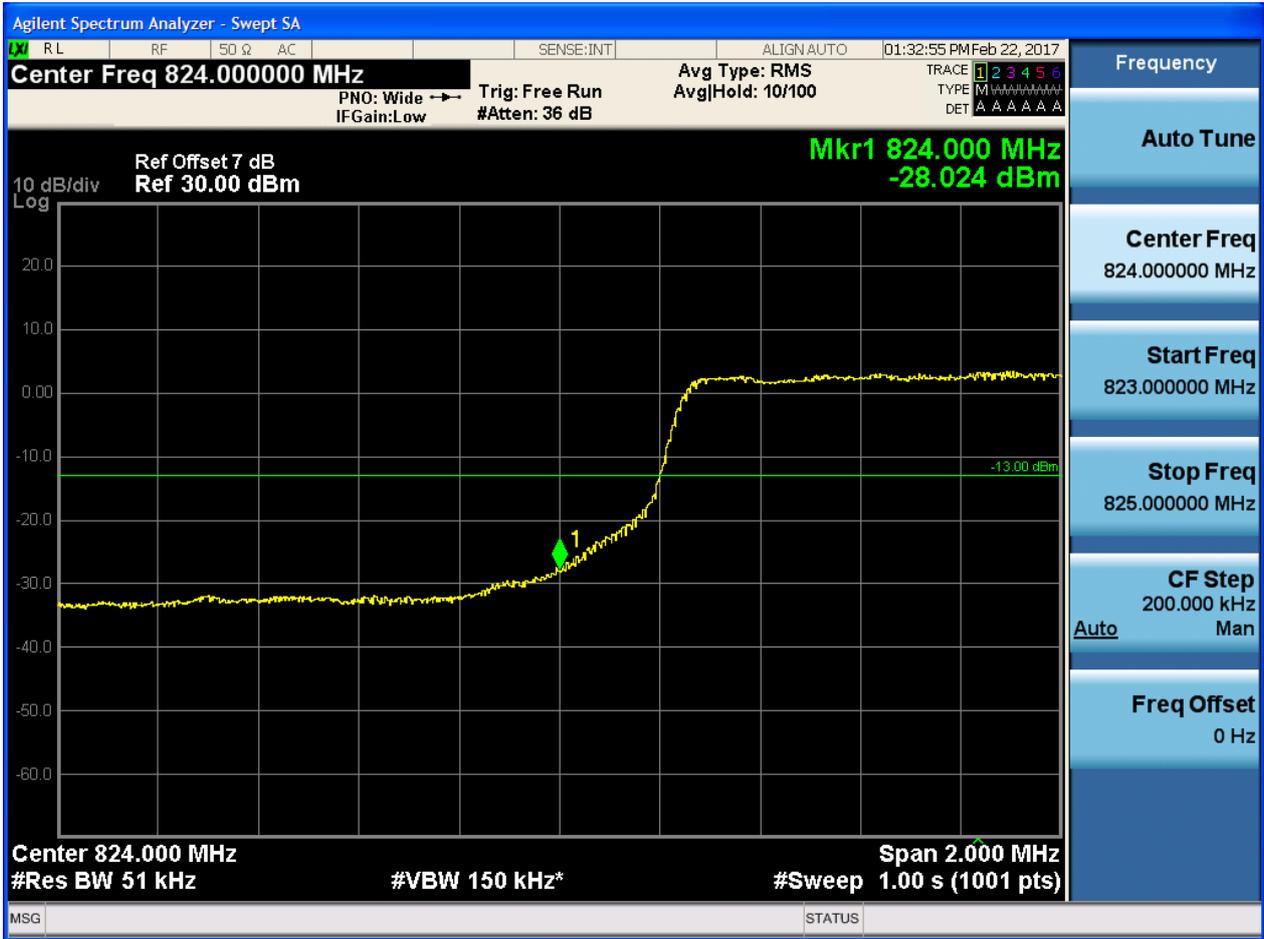
5.1.1.1.3.1.2 Test RB = RB1#24
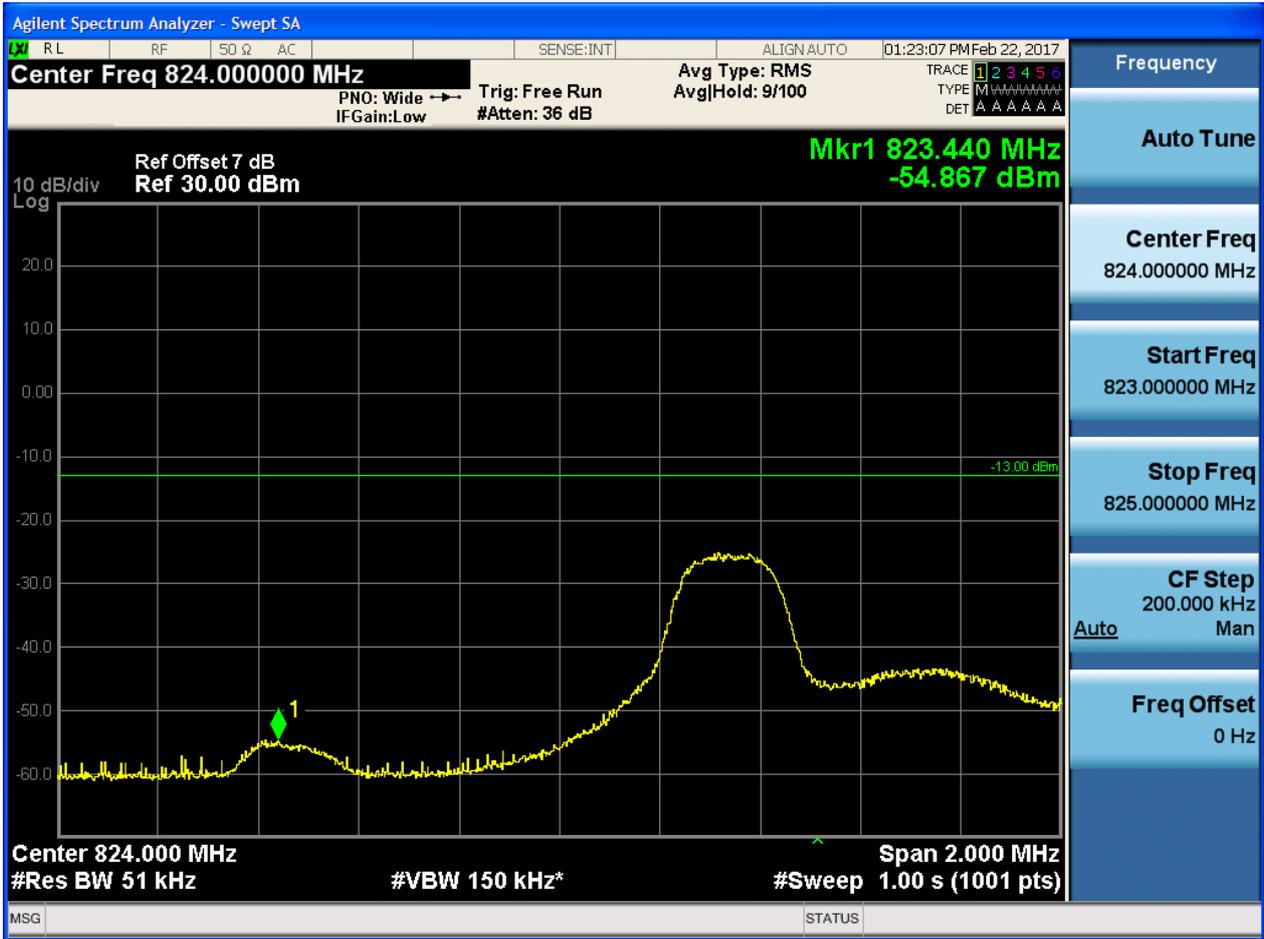
5.1.1.1.3.1.3 Test RB = RB12#6
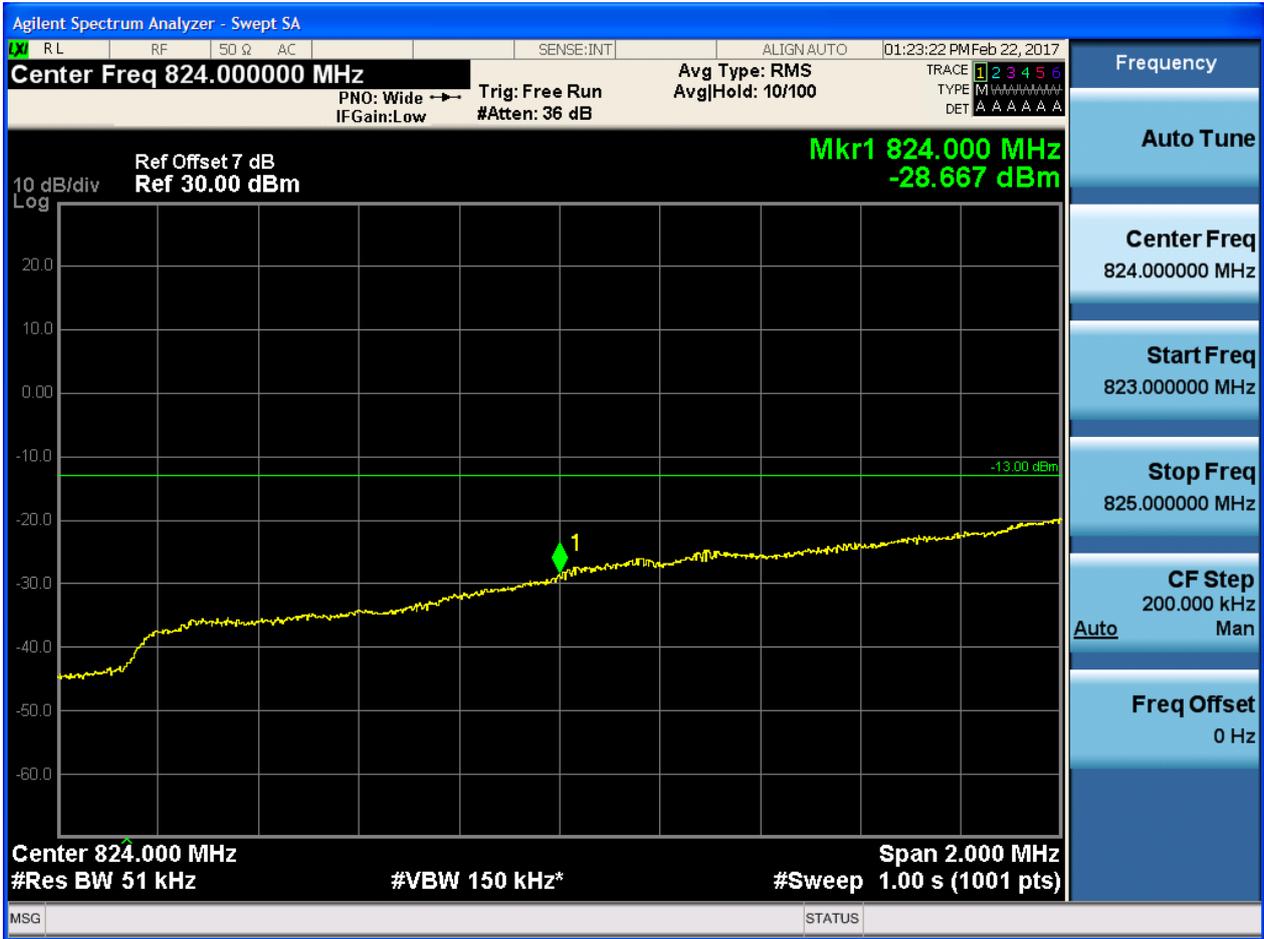
5.1.1.1.3.1.4 Test RB = RB25#0

5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0

5.1.1.1.3.2.2 Test RB = RB1#24

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.
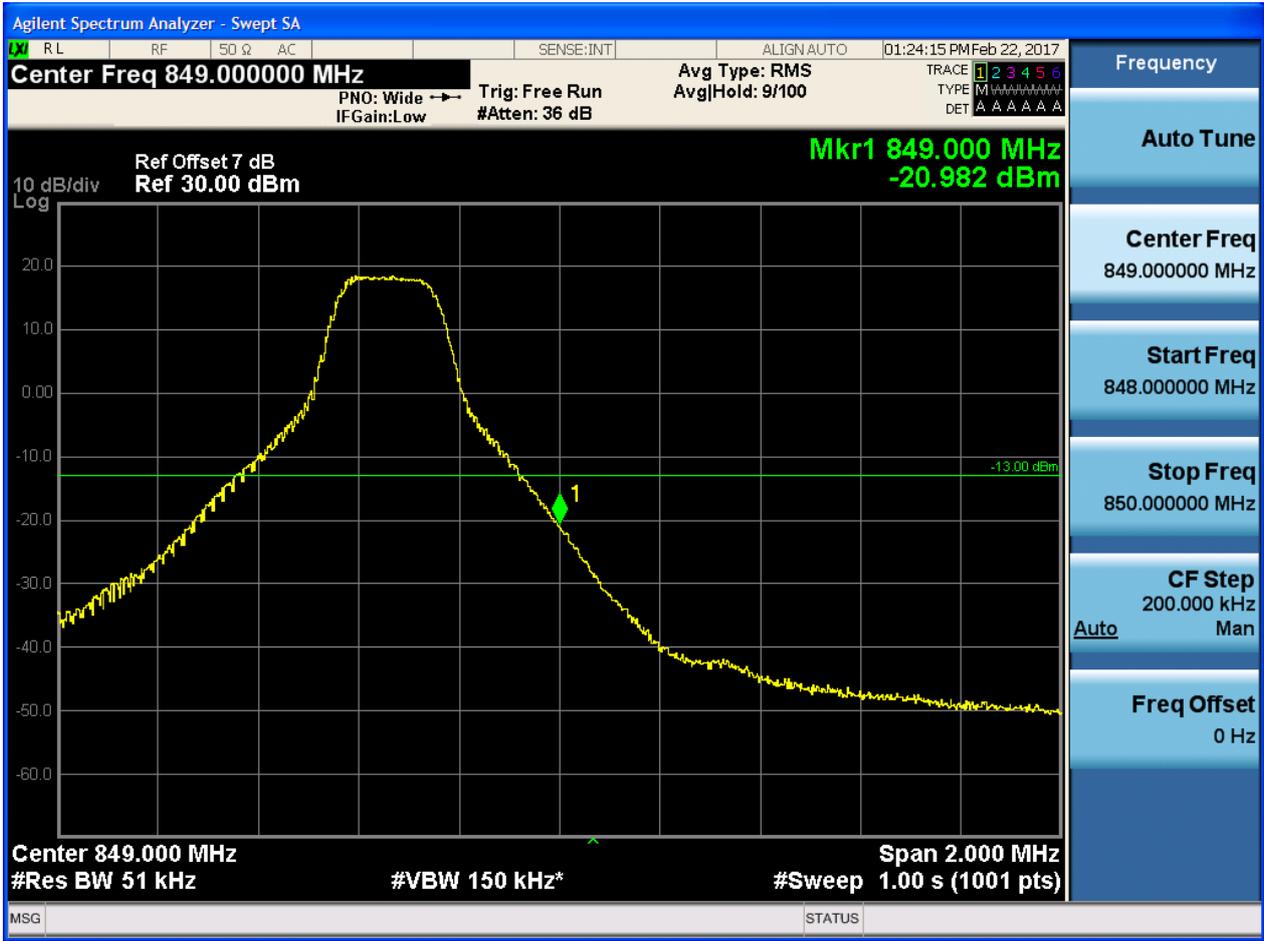
5.1.1.1.3.2.3 Test RB = RB12#6

5.1.1.1.3.2.4 Test RB = RB25#0

5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0
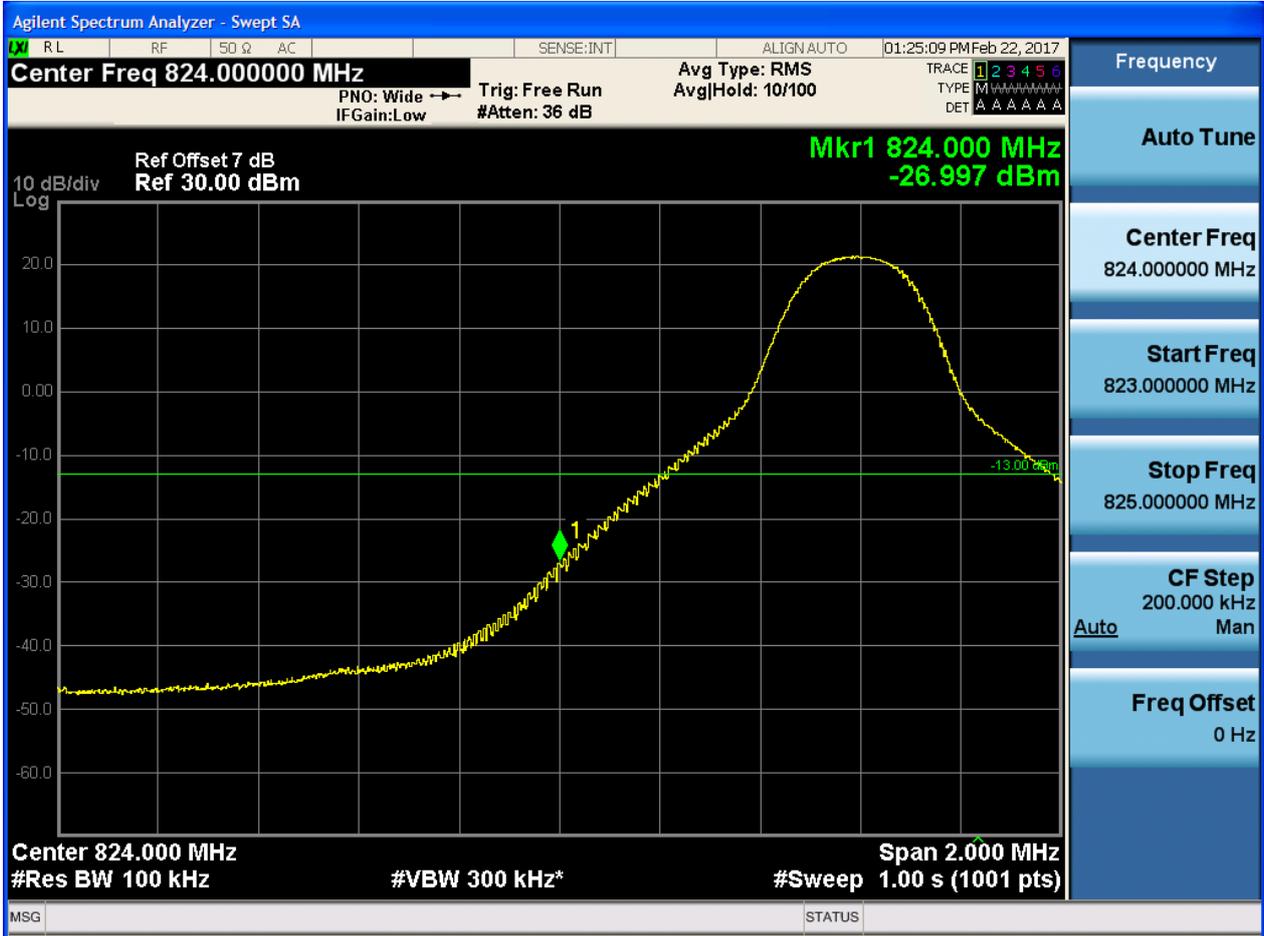
5.1.1.1.4.1.2 Test RB = RB1#49

5.1.1.1.4.1.3 Test RB = RB25#13
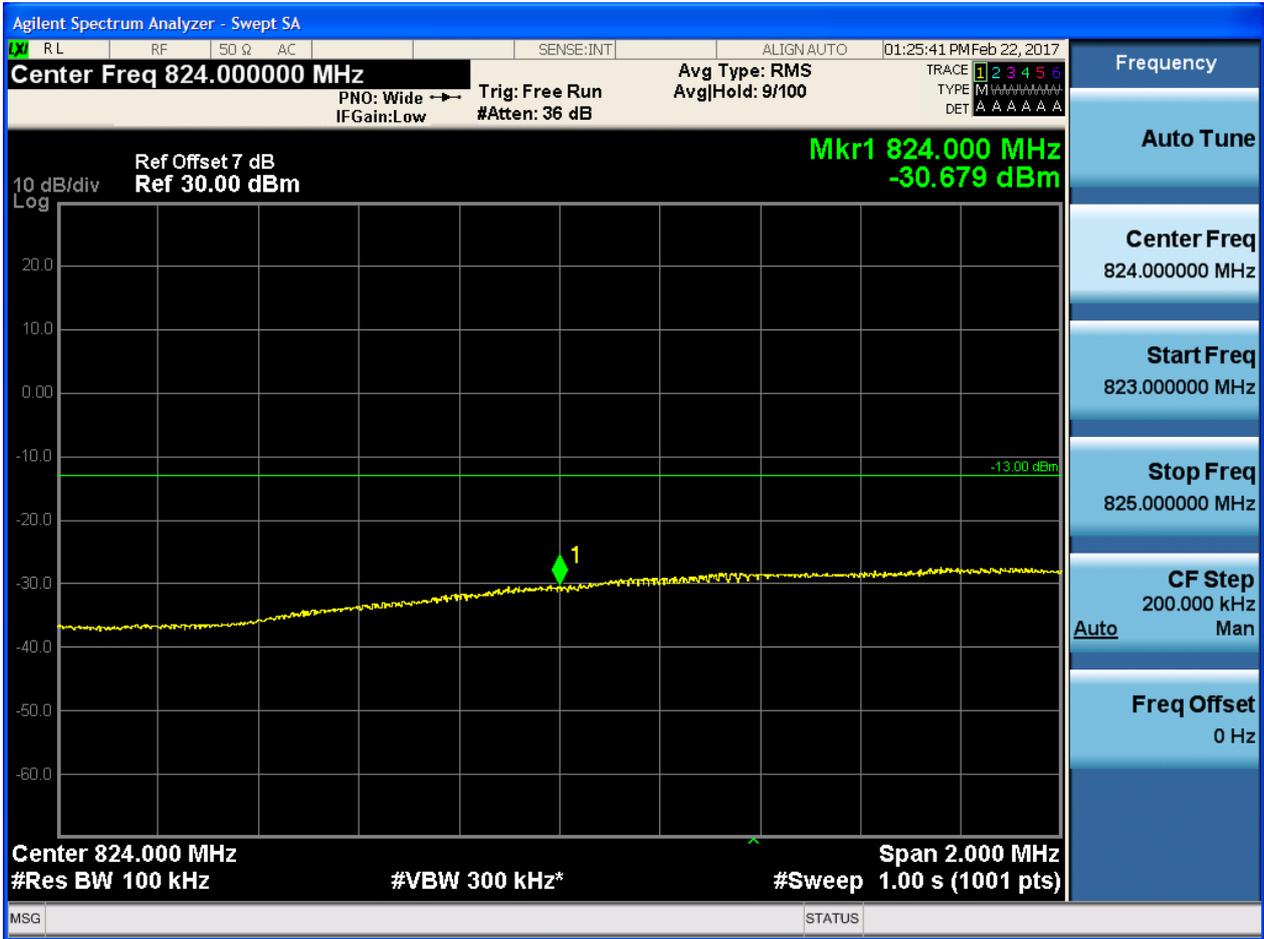
5.1.1.1.4.1.4 Test RB = RB50#0

5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0

5.1.1.1.4.2.2 Test RB = RB1#49

5.1.1.1.4.2.3 Test RB = RB25#13
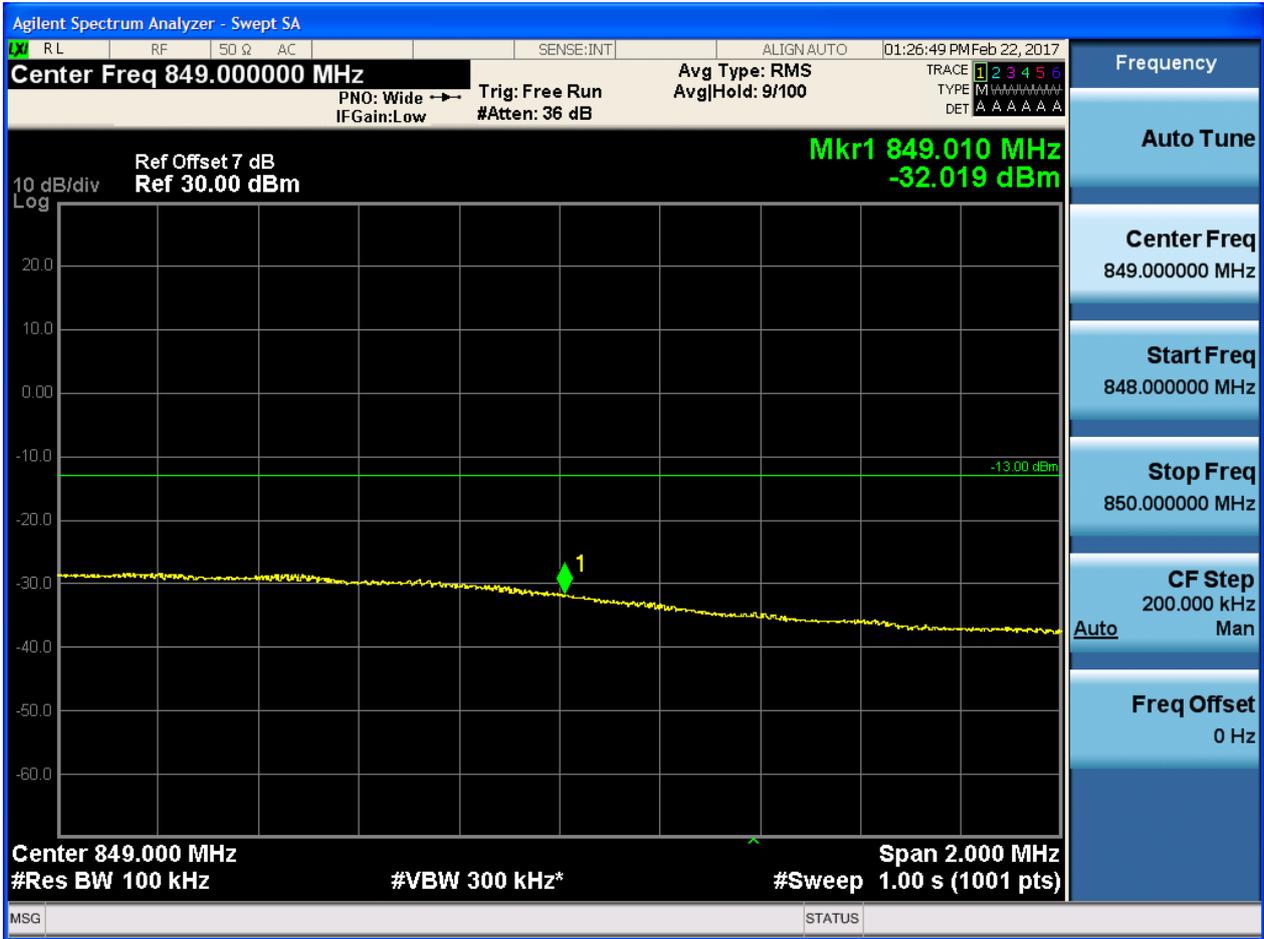
5.1.1.1.4.2.4 Test RB = RB50#0

5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0
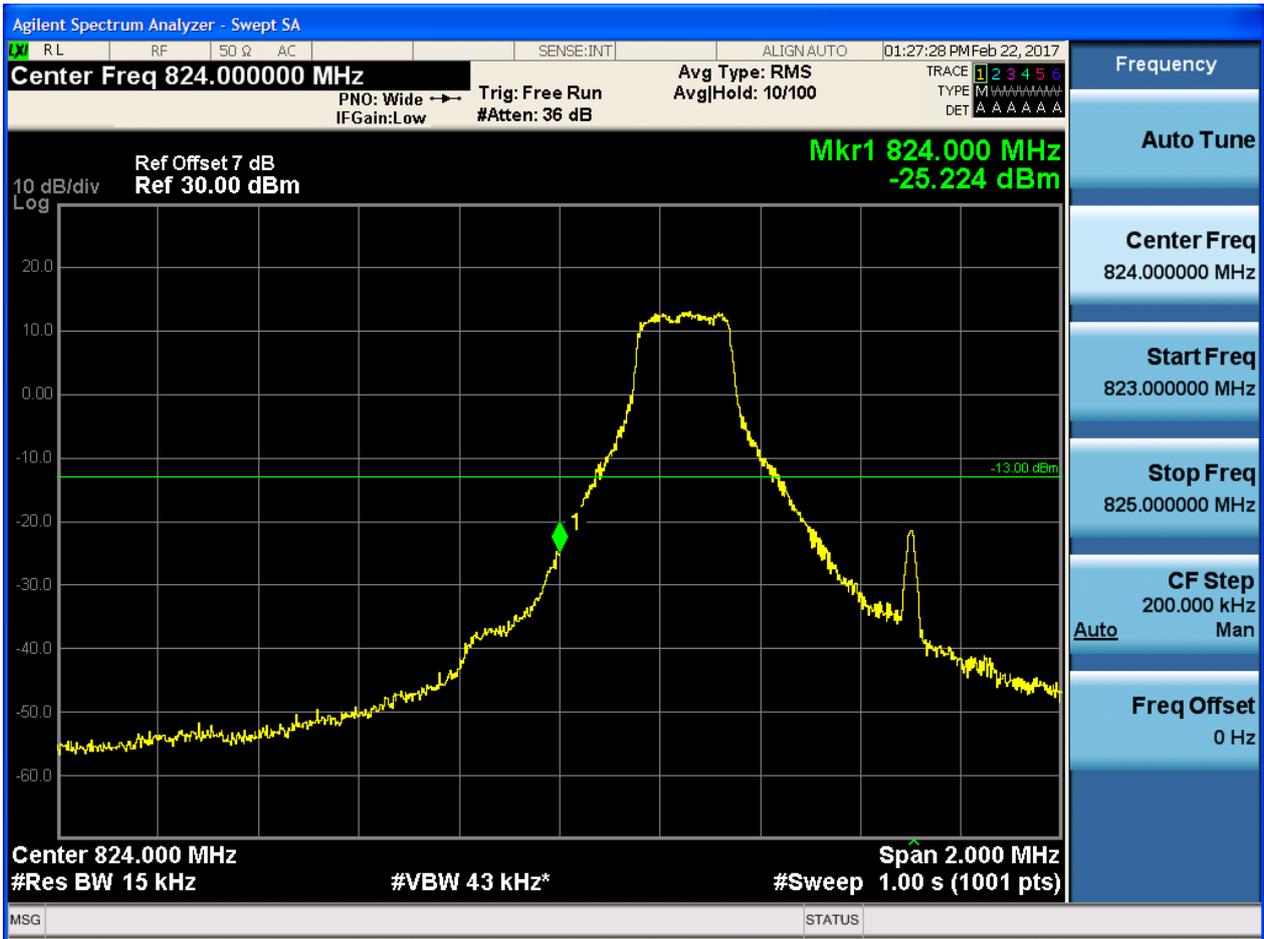
5.1.1.2.1.1.2 Test RB = RB1#5

5.1.1.2.1.1.3 Test RB = RB3#2

5.1.1.2.1.1.4 Test RB = RB6#0

5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0

5.1.1.2.1.2.2 Test RB = RB1#5
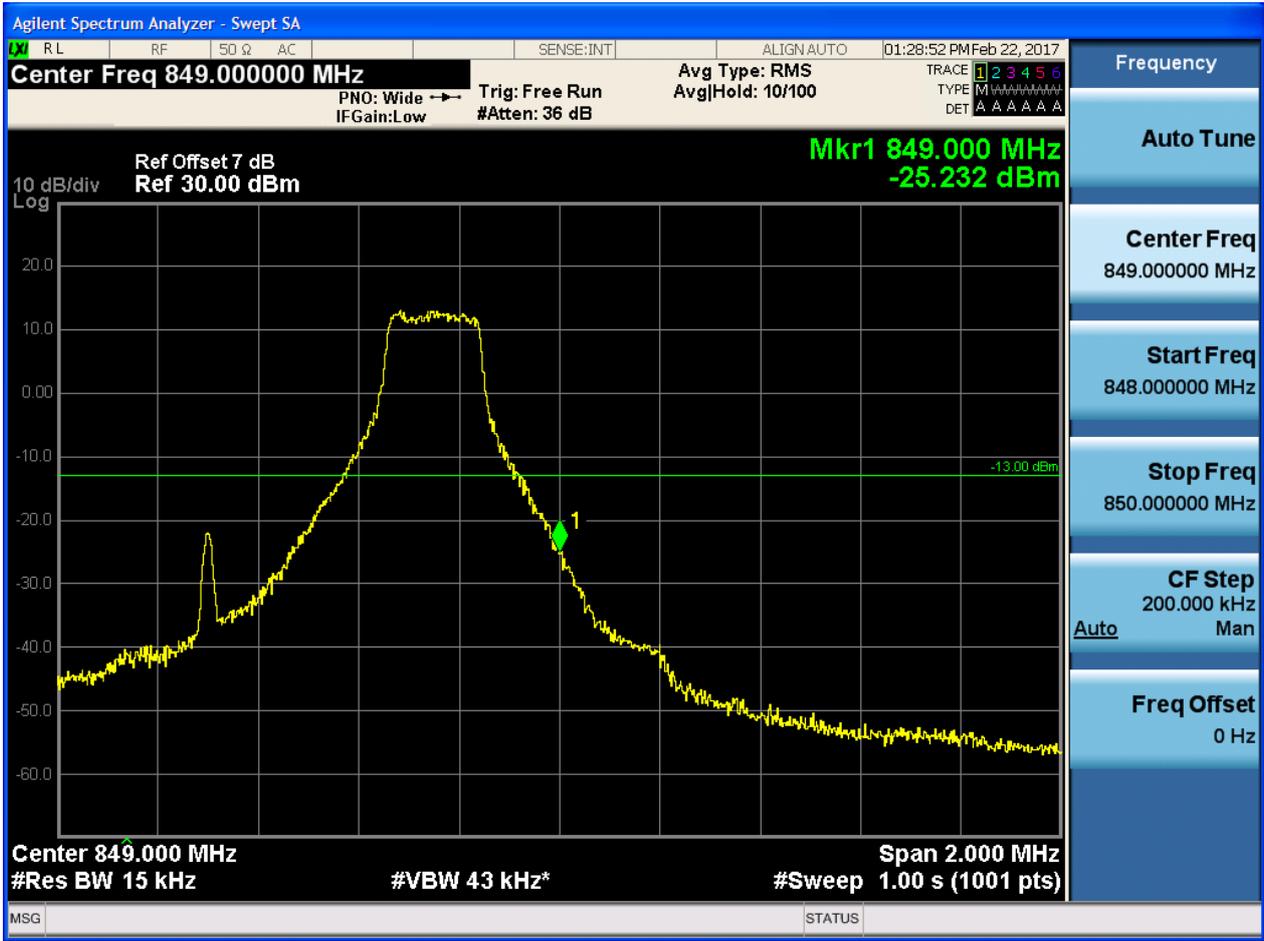
## 5.1.1.2.1.2.3 Test RB = RB3#2
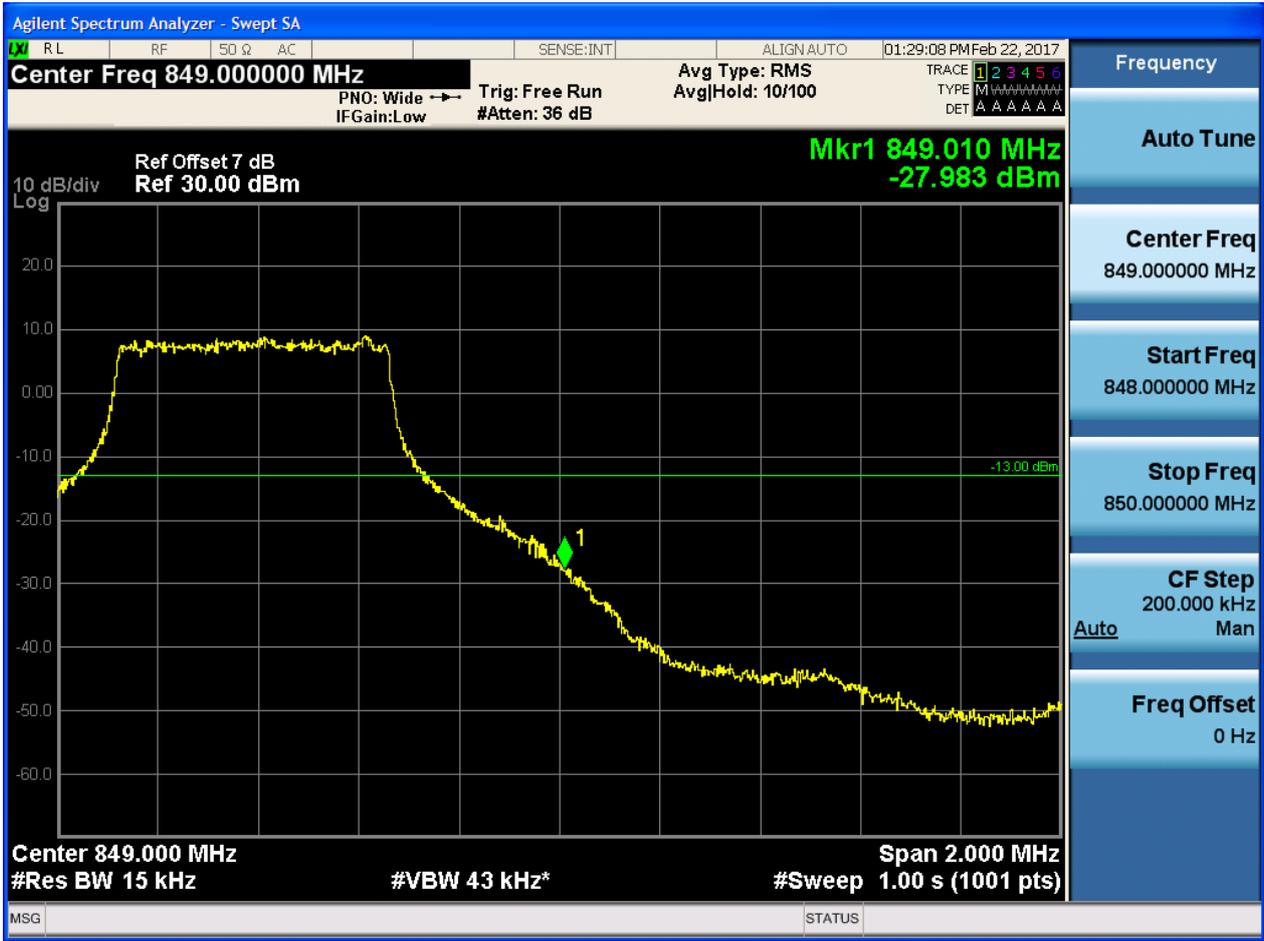
5.1.1.2.1.2.4 Test RB = RB6#0

5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH
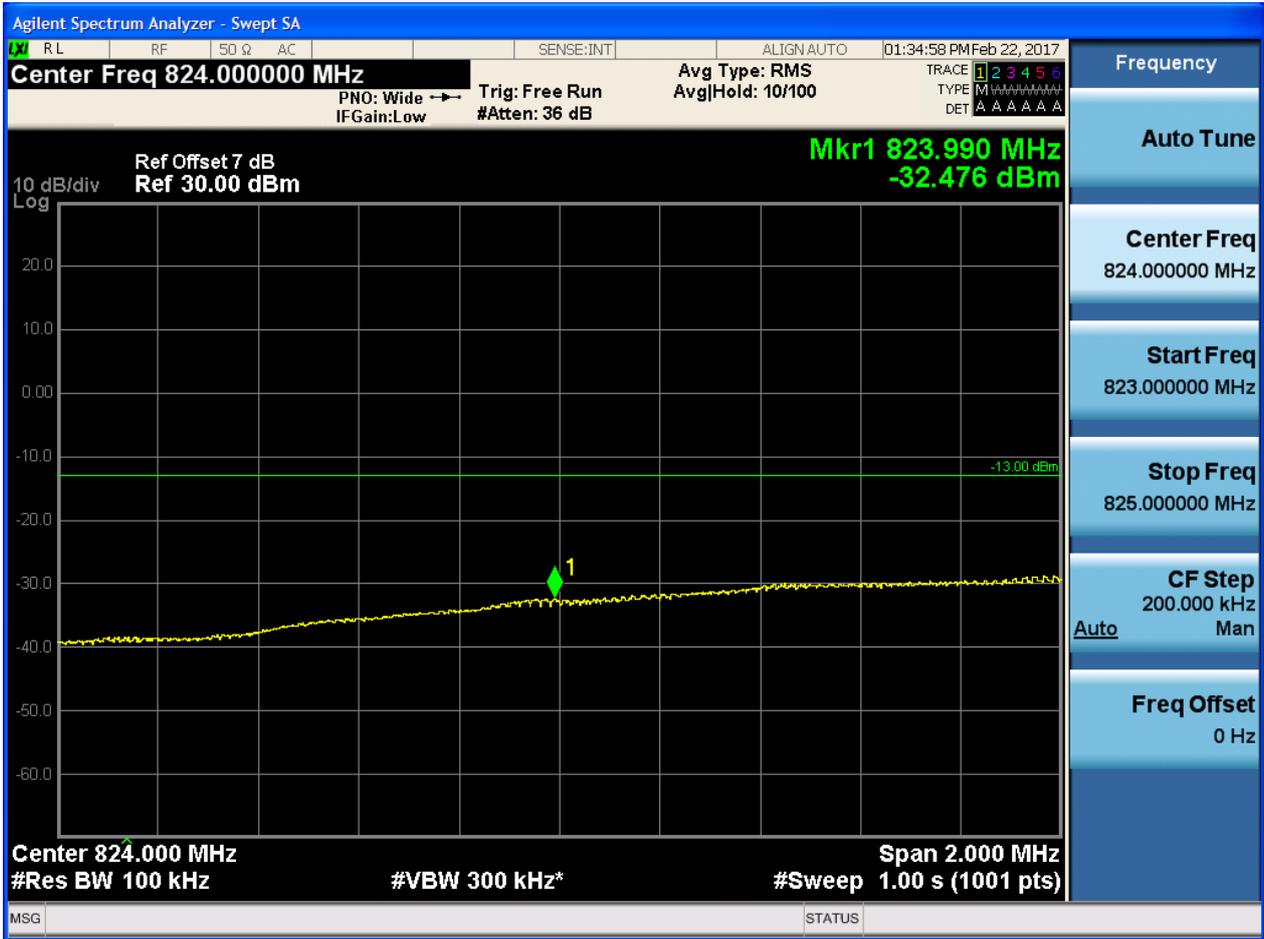
5.1.1.2.2.1.1 Test RB = RB1#0
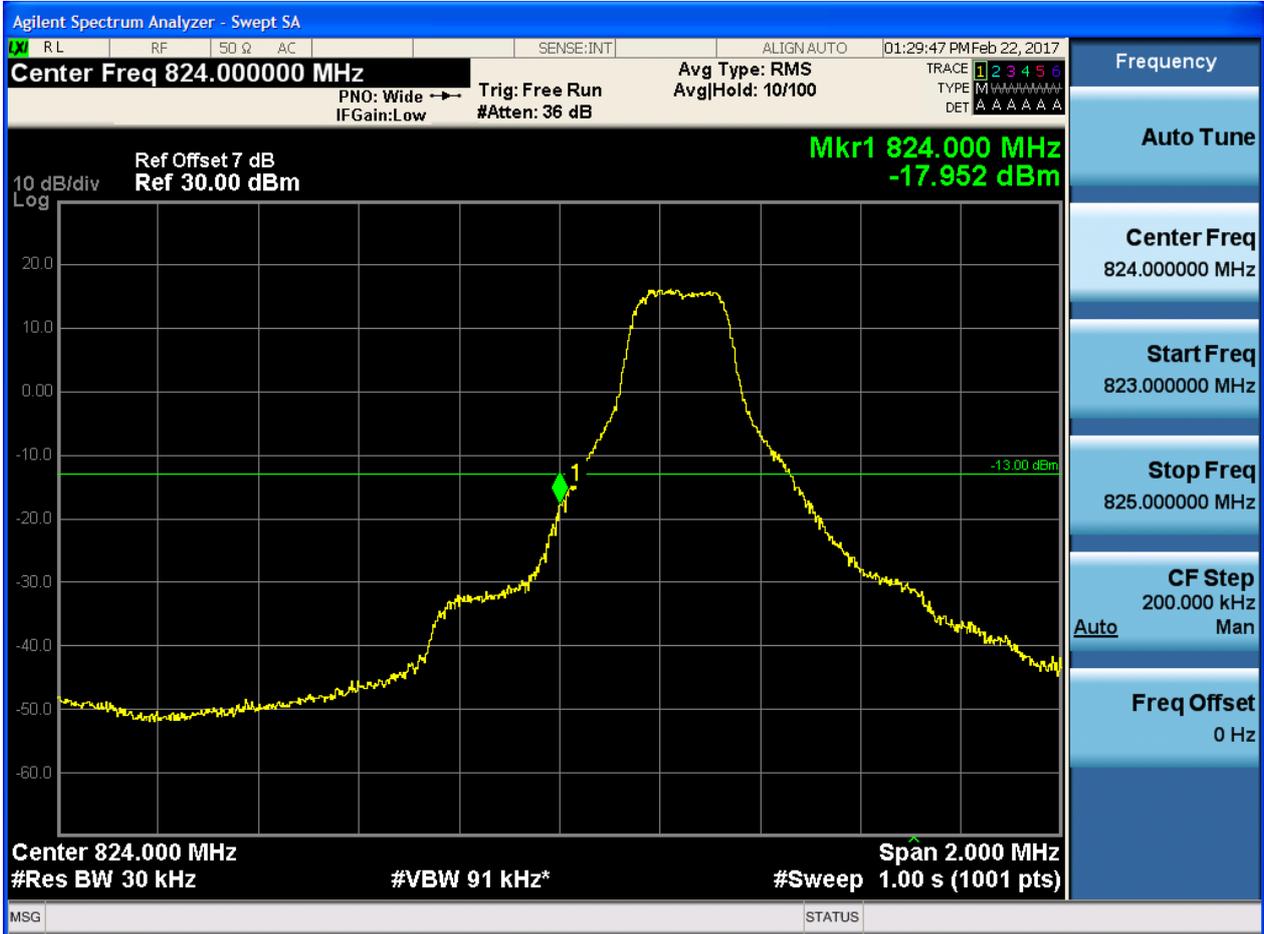
5.1.1.2.2.1.2 Test RB = RB1#14
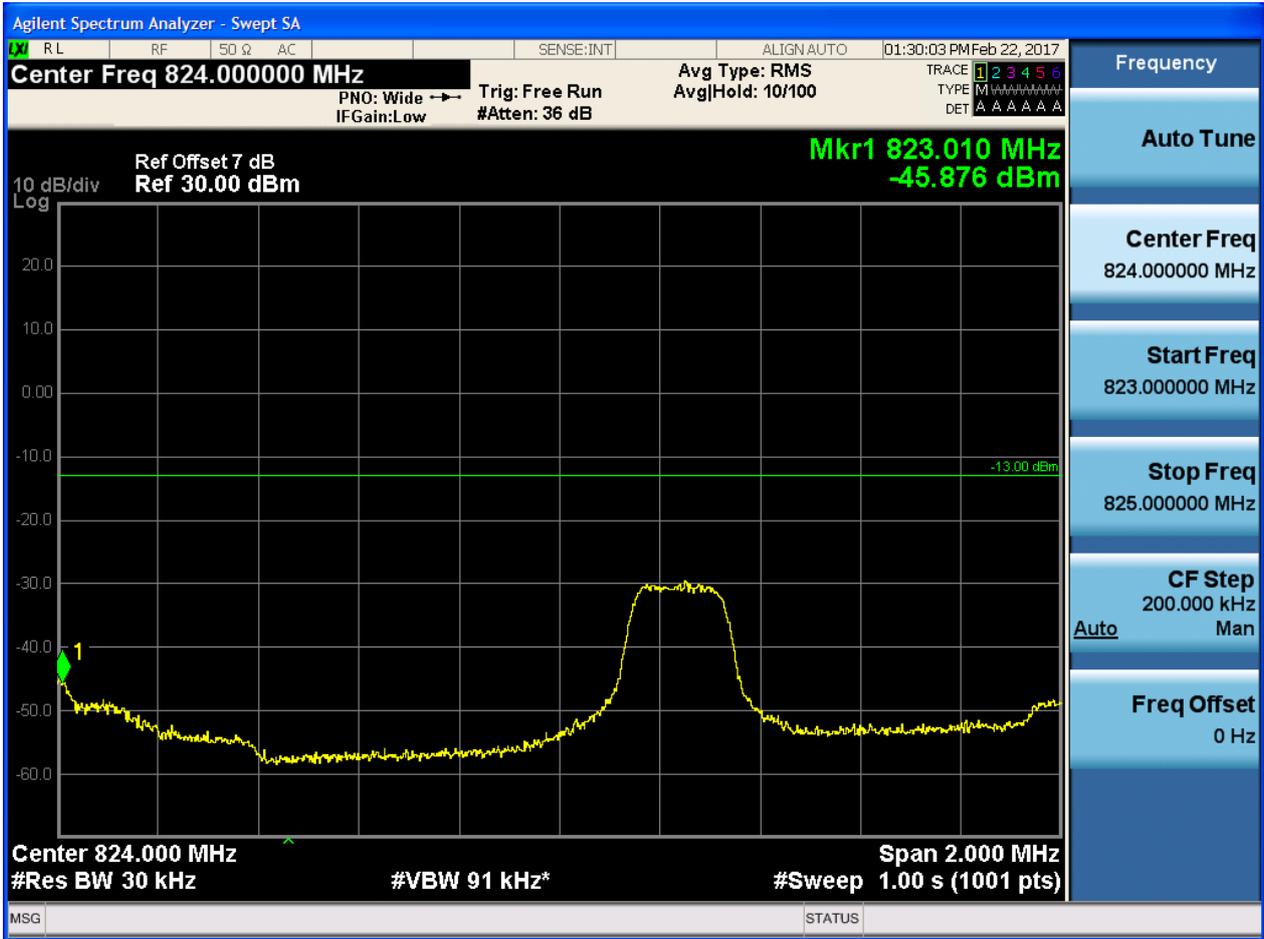
5.1.1.2.2.1.3 Test RB = RB8#4

5.1.1.2.2.1.4 Test RB = RB15#0

5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0

5.1.1.2.2.2.2 Test RB = RB1#14

5.1.1.2.2.2.3 Test RB = RB8#4

5.1.1.2.2.2.4 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
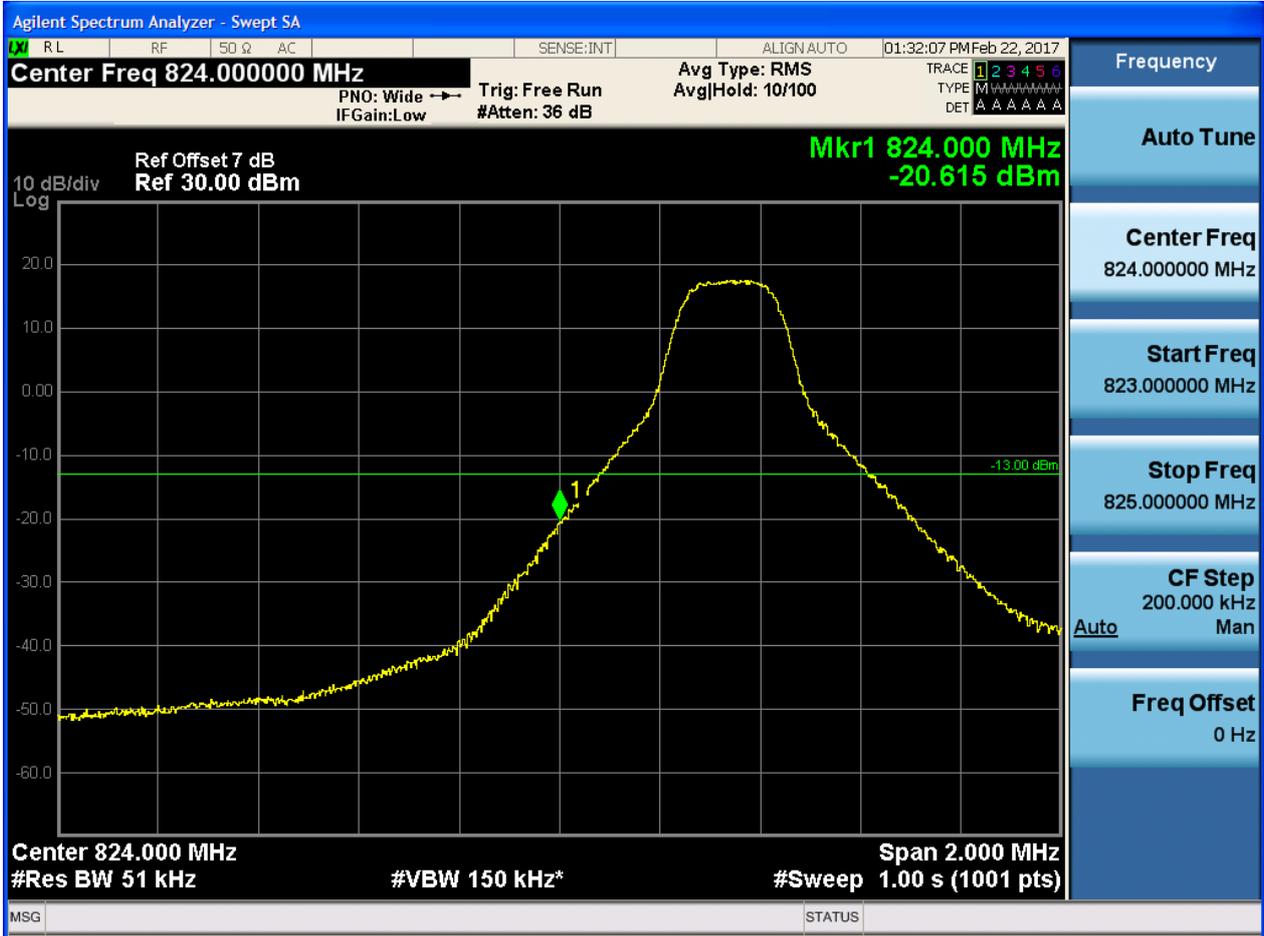
5.1.1.2.3.1.2 Test RB = RB1#24

5.1.1.2.3.1.3 Test RB = RB12#6

5.1.1.2.3.1.4 Test RB = RB25#0

5.1.1.2.3.2 Test Channel = HCH
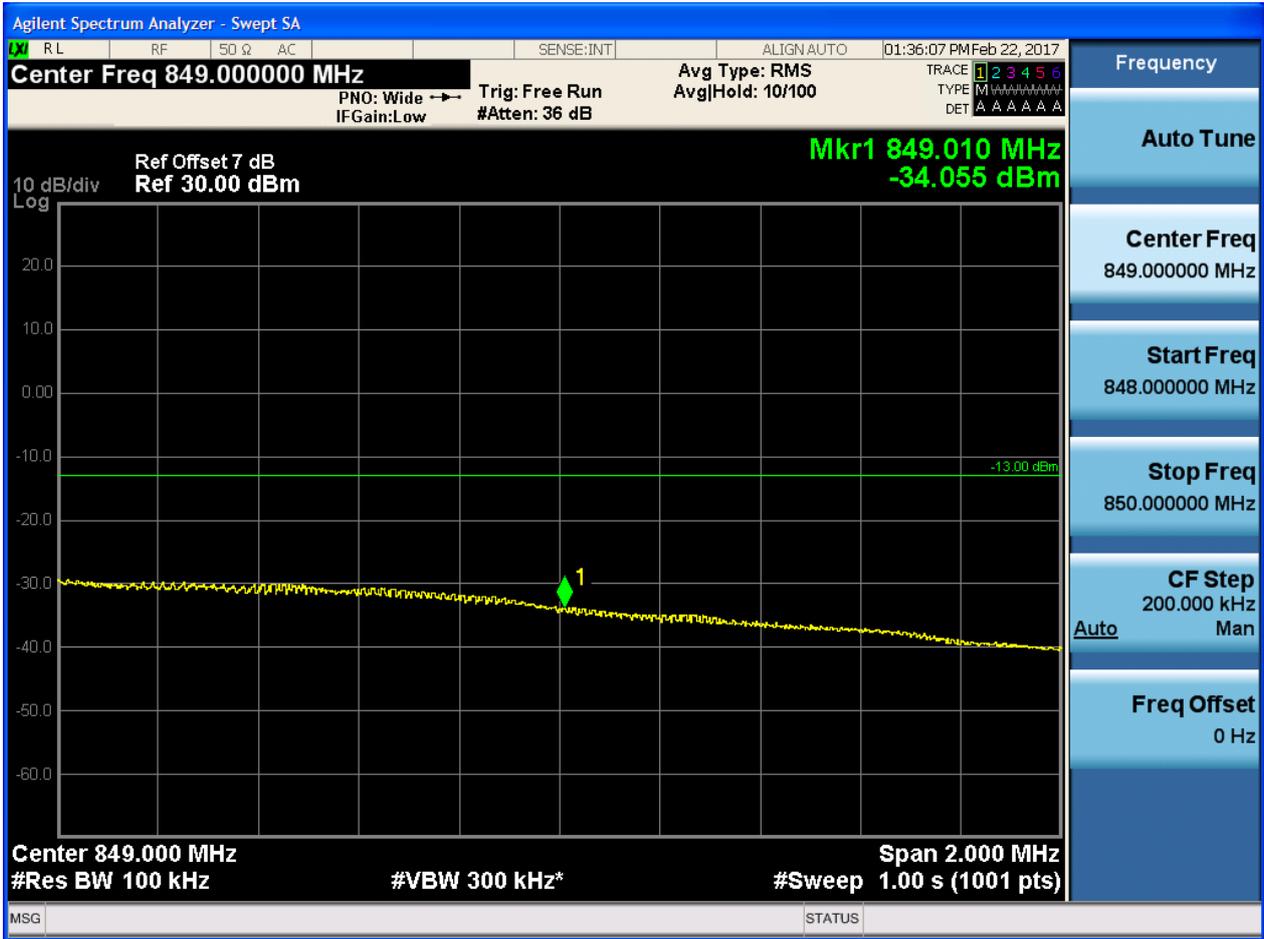
5.1.1.2.3.2.1 Test RB = RB1#0

5.1.1.2.3.2.2 Test RB = RB1#24
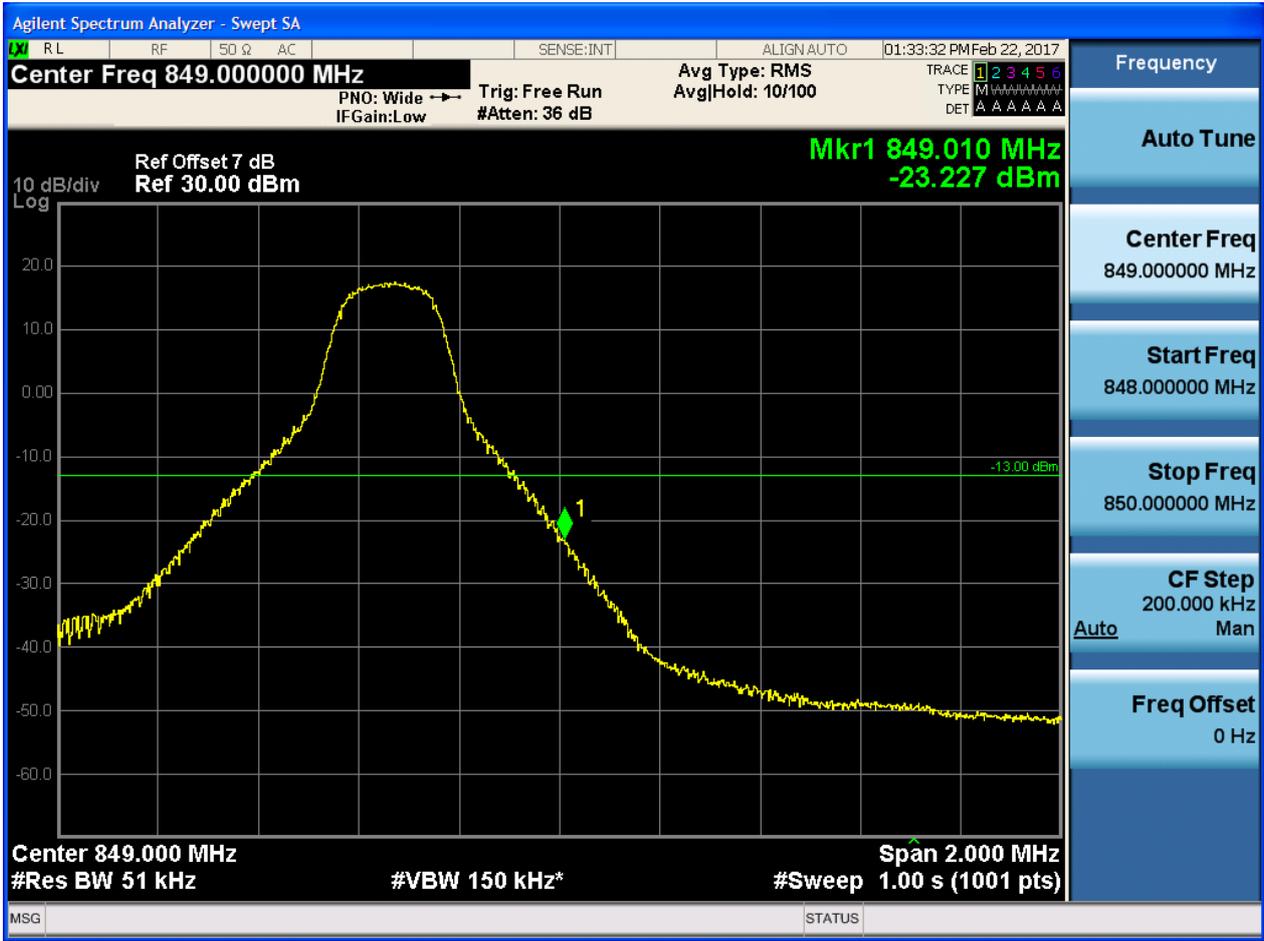
5.1.1.2.3.2.3 Test RB = RB12#6

5.1.1.2.3.2.4 Test RB = RB25#0

5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0
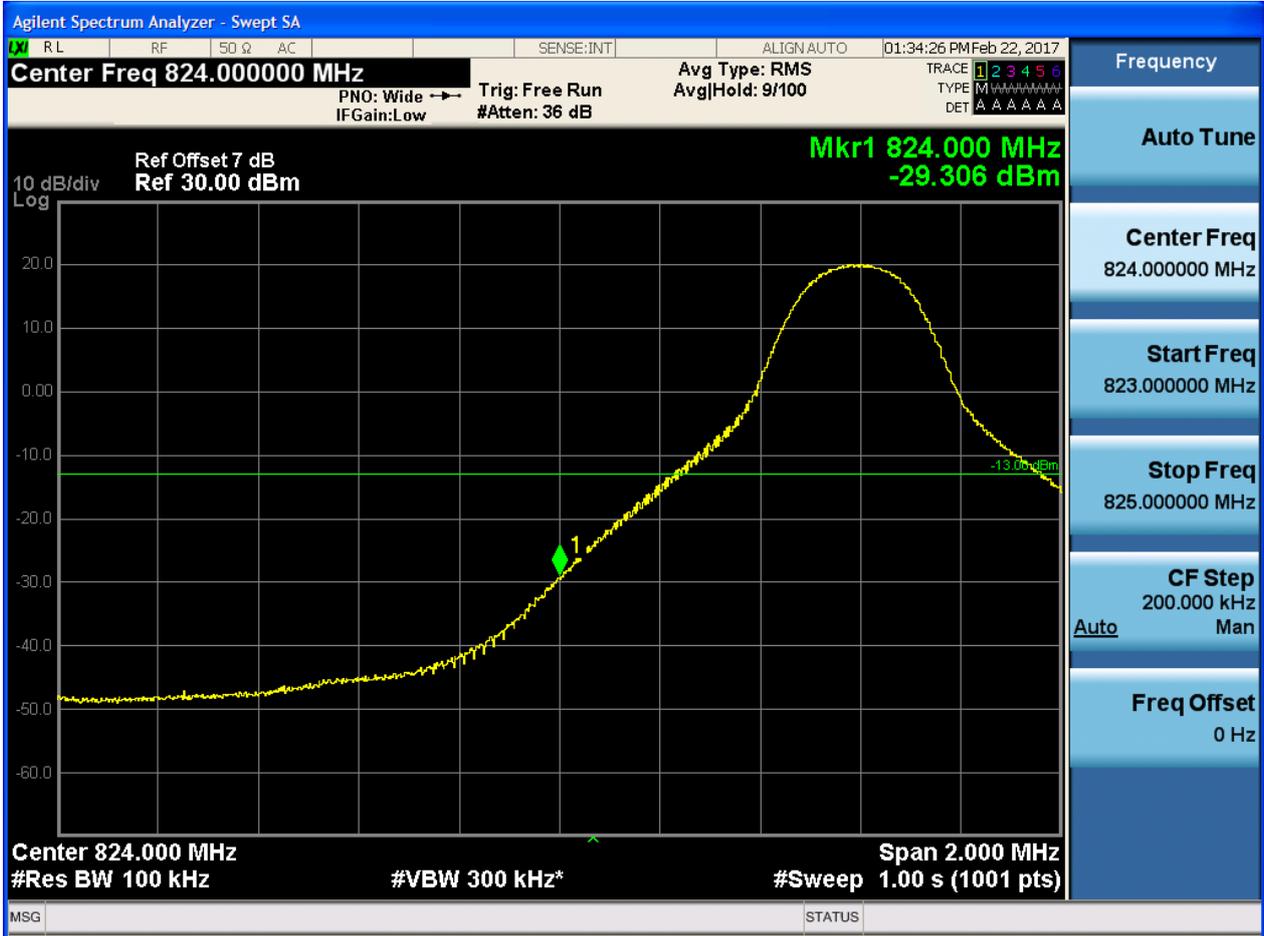
5.1.1.2.4.1.2 Test RB = RB1#49
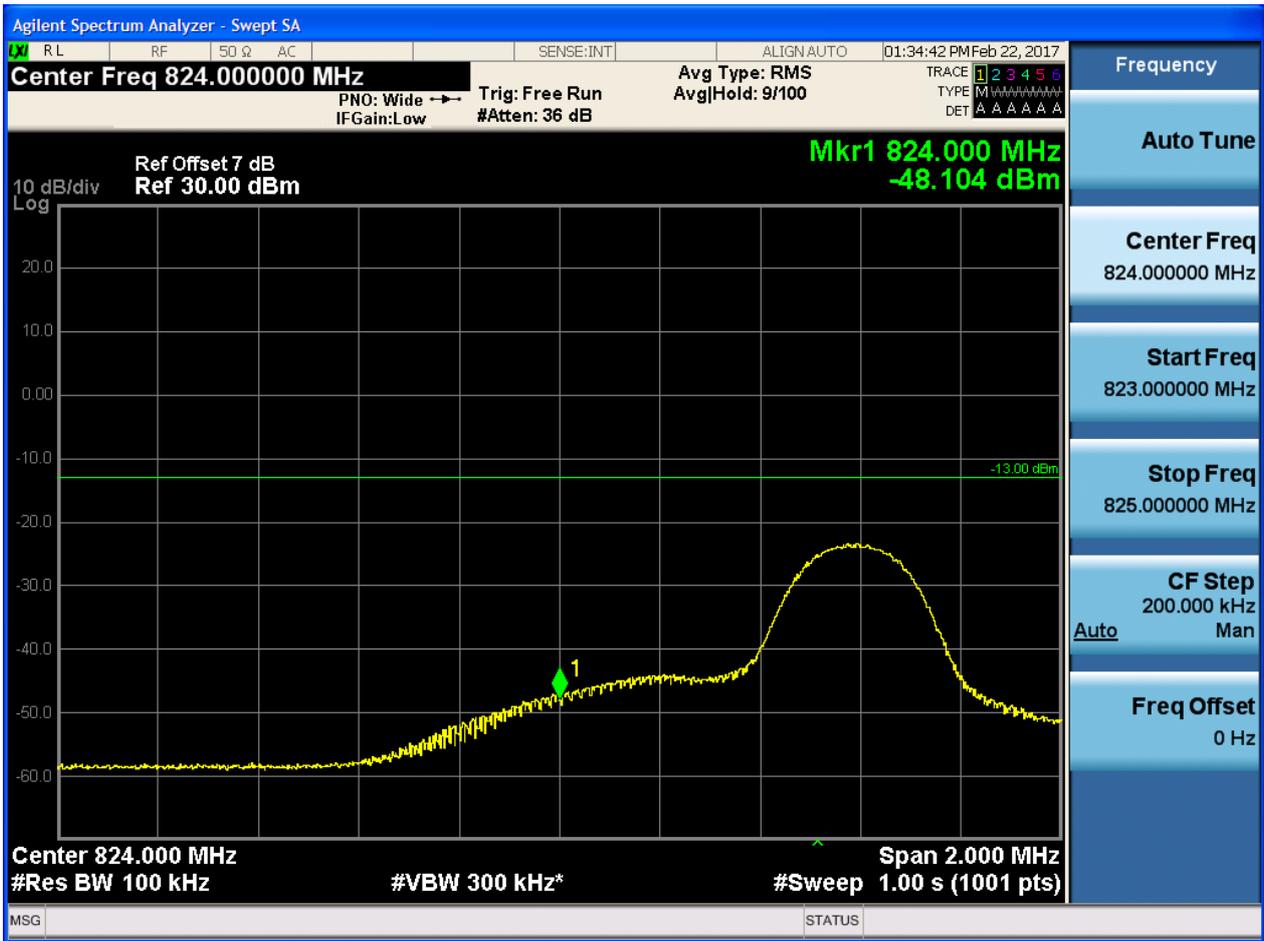
5.1.1.2.4.1.3 Test RB = RB25#13

5.1.1.2.4.1.4 Test RB = RB50#0

5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0

5.1.1.2.4.2.2 Test RB = RB1#49

5.1.1.2.4.2.3 Test RB = RB25#13

5.1.1.2.4.2.4 Test RB = RB50#0

6Appendix_F: Spurious Emission at Antenna Terminal

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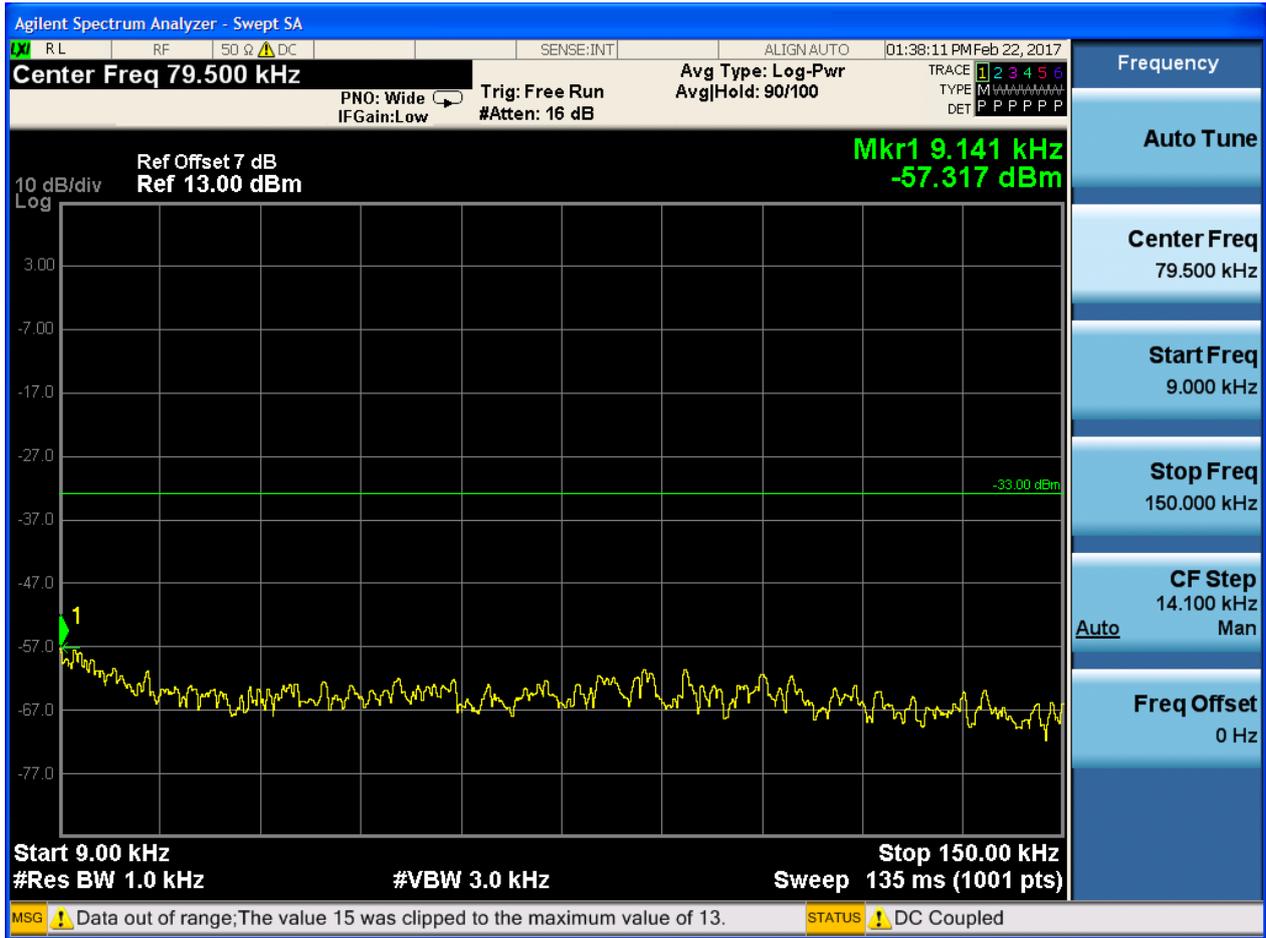
Part I - Test Plots
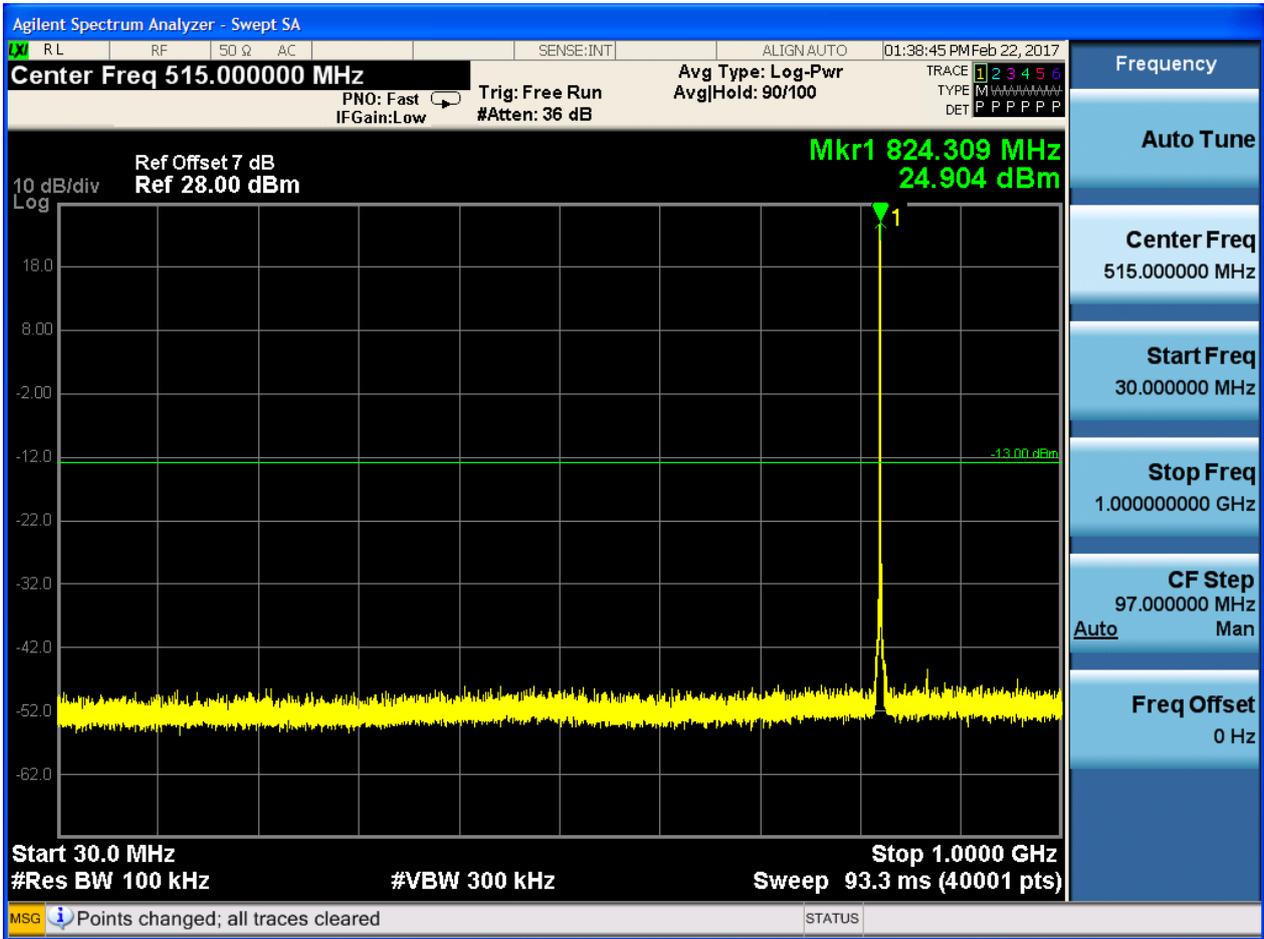
6.1 For LTE

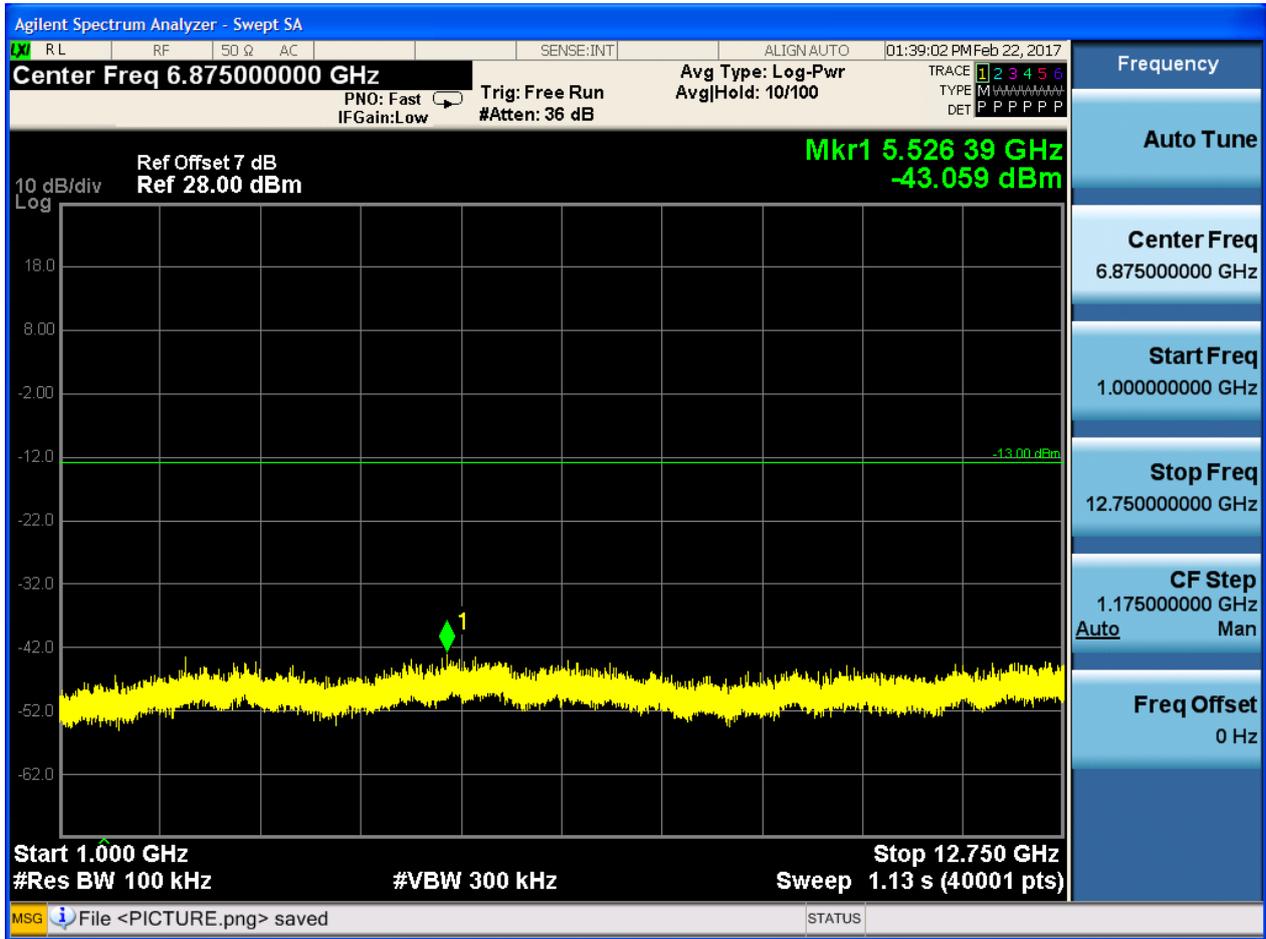**6.1.1 Test Band = BAND5**

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 1.4

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0