



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	Limit [dBm]	Verdict
BAND5	LTE/TM1	1.4	LCH	RB1#0	21.09	18.19	38.5	PASS
				RB1#3	21.23	18.33	38.5	PASS
				RB1#5	21.08	18.04	38.5	PASS
				RB3#0	23.59	20.49	38.5	PASS
				RB3#2	23.66	20.63	38.5	PASS
				RB3#3	23.6	20.80	38.5	PASS
				RB6#0	22.69	19.80	38.5	PASS
			MCH	RB1#0	21.02	18.07	38.5	PASS
				RB1#3	21.19	18.10	38.5	PASS
				RB1#5	21.06	18.15	38.5	PASS
				RB3#0	23.59	20.74	38.5	PASS
				RB3#2	23.68	20.70	38.5	PASS
				RB3#3	23.55	20.53	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB6#0	22.67	19.77	38.5	PASS
			HCH	RB1#0	21.02	17.93	38.5	PASS
				RB1#3	21.22	18.29	38.5	PASS
				RB1#5	21.02	18.03	38.5	PASS
				RB3#0	23.63	20.79	38.5	PASS
				RB3#2	23.58	20.49	38.5	PASS
				RB3#3	23.58	20.52	38.5	PASS
				RB6#0	22.62	19.54	38.5	PASS
		3	LCH	RB1#0	21.15	18.17	38.5	PASS
				RB1#7	21.26	18.46	38.5	PASS
				RB1#14	21.12	18.18	38.5	PASS
				RB8#0	22.73	19.79	38.5	PASS
				RB8#4	22.76	19.74	38.5	PASS
				RB8#7	22.68	19.61	38.5	PASS
				RB15#0	22.69	19.77	38.5	PASS
			MCH	RB1#0	21.13	18.22	38.5	PASS
				RB1#7	21.25	18.26	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB1#14	21.13	18.27	38.5	PASS
				RB8#0	22.7	19.89	38.5	PASS
				RB8#4	22.74	19.88	38.5	PASS
				RB8#7	22.7	19.62	38.5	PASS
				RB15#0	22.67	19.77	38.5	PASS
			HCH	RB1#0	21.15	18.08	38.5	PASS
				RB1#7	21.26	18.46	38.5	PASS
				RB1#14	21.14	18.07	38.5	PASS
				RB8#0	22.67	19.67	38.5	PASS
				RB8#4	22.73	19.68	38.5	PASS
				RB8#7	22.66	19.67	38.5	PASS
				RB15#0	22.67	19.60	38.5	PASS
		5	LCH	RB1#0	21.17	18.20	38.5	PASS
				RB1#13	21.31	18.48	38.5	PASS
				RB1#24	21.16	18.23	38.5	PASS
				RB12#0	22.58	19.60	38.5	PASS
				RB12#6	22.67	19.69	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB12#13	22.69	19.59	38.5	PASS
				RB25#0	22.69	19.70	38.5	PASS
			MCH	RB1#0	21.12	18.20	38.5	PASS
				RB1#13	21.23	18.15	38.5	PASS
				RB1#24	21.12	18.06	38.5	PASS
				RB12#0	22.64	19.82	38.5	PASS
				RB12#6	22.71	19.83	38.5	PASS
				RB12#13	22.69	19.63	38.5	PASS
				RB25#0	22.68	19.59	38.5	PASS
			HCH	RB1#0	21.08	18.15	38.5	PASS
				RB1#13	21.17	18.07	38.5	PASS
				RB1#24	21.04	17.99	38.5	PASS
				RB12#0	22.65	19.61	38.5	PASS
				RB12#6	22.69	19.79	38.5	PASS
				RB12#13	22.61	19.60	38.5	PASS
				RB25#0	22.62	19.68	38.5	PASS
		10	LCH	RB1#0	21.12	18.16	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB1#25	21.28	18.26	38.5	PASS
				RB1#49	21.12	18.23	38.5	PASS
				RB25#0	22.67	19.61	38.5	PASS
				RB25#13	22.76	19.76	38.5	PASS
				RB25#25	22.71	19.90	38.5	PASS
				RB50#0	22.71	19.89	38.5	PASS
			MCH	RB1#0	21.06	18.14	38.5	PASS
				RB1#25	21.28	18.28	38.5	PASS
				RB1#49	21.12	18.17	38.5	PASS
				RB25#0	22.73	19.92	38.5	PASS
				RB25#13	22.71	19.88	38.5	PASS
				RB25#25	22.7	19.61	38.5	PASS
				RB50#0	22.76	19.72	38.5	PASS
			HCH	RB1#0	21.13	18.22	38.5	PASS
				RB1#25	21.33	18.30	38.5	PASS
				RB1#49	21.15	18.17	38.5	PASS
				RB25#0	22.72	19.70	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB25#13	22.7	19.75	38.5	PASS
				RB25#25	22.69	19.69	38.5	PASS
				RB50#0	22.75	19.91	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.4	17.33	38.5	PASS
				RB1#3	20.59	17.51	38.5	PASS
				RB1#5	20.41	17.38	38.5	PASS
				RB3#0	22.75	19.72	38.5	PASS
				RB3#2	22.75	19.66	38.5	PASS
				RB3#3	22.75	19.74	38.5	PASS
				RB6#0	21.8	19.00	38.5	PASS
			MCH	RB1#0	20.3	17.27	38.5	PASS
				RB1#3	20.47	17.41	38.5	PASS
				RB1#5	20.31	17.23	38.5	PASS
				RB3#0	22.71	19.62	38.5	PASS
				RB3#2	22.7	19.89	38.5	PASS
				RB3#3	22.7	19.70	38.5	PASS
				RB6#0	21.65	18.83	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
			HCH	RB1#0	20.22	17.39	38.5	PASS
				RB1#3	20.31	17.40	38.5	PASS
				RB1#5	20.15	17.20	38.5	PASS
				RB3#0	22.51	19.45	38.5	PASS
				RB3#2	22.52	19.68	38.5	PASS
				RB3#3	22.51	19.67	38.5	PASS
				RB6#0	21.55	18.64	38.5	PASS
		3	LCH	RB1#0	20.62	17.79	38.5	PASS
				RB1#7	20.7	17.67	38.5	PASS
				RB1#14	20.55	17.61	38.5	PASS
				RB8#0	21.78	18.75	38.5	PASS
				RB8#4	21.8	18.93	38.5	PASS
				RB8#7	21.76	18.71	38.5	PASS
				RB15#0	21.71	18.76	38.5	PASS
			MCH	RB1#0	20.44	17.36	38.5	PASS
				RB1#7	20.57	17.54	38.5	PASS
				RB1#14	20.45	17.37	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB8#0	21.76	18.78	38.5	PASS
				RB8#4	21.78	18.79	38.5	PASS
				RB8#7	21.74	18.73	38.5	PASS
				RB15#0	21.71	18.82	38.5	PASS
			HCH	RB1#0	20.35	17.39	38.5	PASS
				RB1#7	20.45	17.51	38.5	PASS
				RB1#14	20.27	17.22	38.5	PASS
				RB8#0	21.72	18.65	38.5	PASS
				RB8#4	21.77	18.80	38.5	PASS
				RB8#7	21.68	18.85	38.5	PASS
				RB15#0	21.65	18.78	38.5	PASS
		5	LCH	RB1#0	20.38	17.47	38.5	PASS
				RB1#13	20.48	17.68	38.5	PASS
				RB1#24	20.38	17.54	38.5	PASS
				RB12#0	21.63	18.70	38.5	PASS
				RB12#6	21.75	18.81	38.5	PASS
				RB12#13	21.74	18.70	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB25#0	21.63	18.65	38.5	PASS
			MCH	RB1#0	20.2	17.20	38.5	PASS
				RB1#13	20.33	17.30	38.5	PASS
				RB1#24	20.19	17.39	38.5	PASS
				RB12#0	21.64	18.83	38.5	PASS
				RB12#6	21.69	18.68	38.5	PASS
				RB12#13	21.66	18.64	38.5	PASS
				RB25#0	21.69	18.60	38.5	PASS
			HCH	RB1#0	20.69	17.83	38.5	PASS
				RB1#13	20.73	17.69	38.5	PASS
				RB1#24	20.65	17.65	38.5	PASS
				RB12#0	21.69	18.72	38.5	PASS
				RB12#6	21.71	18.87	38.5	PASS
				RB12#13	21.65	18.80	38.5	PASS
				RB25#0	21.61	18.68	38.5	PASS
		10	LCH	RB1#0	20.62	17.79	38.5	PASS
				RB1#25	20.77	17.86	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB1#49	20.56	17.48	38.5	PASS
				RB25#0	21.67	18.64	38.5	PASS
				RB25#13	21.72	18.91	38.5	PASS
				RB25#25	21.71	18.74	38.5	PASS
				RB50#0	21.75	18.72	38.5	PASS
			MCH	RB1#0	20.37	17.33	38.5	PASS
				RB1#25	20.56	17.67	38.5	PASS
				RB1#49	20.42	17.41	38.5	PASS
				RB25#0	21.71	18.67	38.5	PASS
				RB25#13	21.73	18.92	38.5	PASS
				RB25#25	21.74	18.85	38.5	PASS
				RB50#0	21.78	18.80	38.5	PASS
			HCH	RB1#0	20.3	17.47	38.5	PASS
				RB1#25	20.49	17.55	38.5	PASS
				RB1#49	20.26	17.21	38.5	PASS
				RB25#0	21.86	19.02	38.5	PASS
				RB25#13	21.82	19.01	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP	Limit [dBm]	Verdict
				RB25#25	21.81	18.78	38.5	PASS
				RB50#0	21.73	18.66	38.5	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP = Signal Generator Level

Note2:

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

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

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

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	4.31	13	PASS
				RB1#3	4.41	13	PASS
				RB1#5	4.47	13	PASS
				RB3#0	4.03	13	PASS
				RB3#2	4.01	13	PASS
				RB3#3	4.2	13	PASS
				RB6#0	5.67	13	PASS
			MCH	RB1#0	4.67	13	PASS
				RB1#3	4.55	13	PASS
				RB1#5	4.64	13	PASS
				RB3#0	4.29	13	PASS
				RB3#2	4.12	13	PASS
				RB3#3	4.3	13	PASS
				RB6#0	5.51	13	PASS
			HCH	RB1#0	5.03	13	PASS
				RB1#3	4.91	13	PASS
				RB1#5	4.91	13	PASS
				RB3#0	3.79	13	PASS
				RB3#2	3.55	13	PASS
				RB3#3	3.7	13	PASS
				RB6#0	5.24	13	PASS
		3	LCH	RB1#0	4.58	13	PASS
				RB1#7	4.69	13	PASS
				RB1#14	4.79	13	PASS
				RB8#0	5.03	13	PASS
				RB8#4	5.02	13	PASS
				RB8#7	5.24	13	PASS
				RB15#0	4.98	13	PASS
			MCH	RB1#0	4.63	13	PASS
				RB1#7	4.54	13	PASS
				RB1#14	4.7	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	5.35	13	PASS
				RB8#4	5.06	13	PASS
				RB8#7	5.2	13	PASS
				RB15#0	5.56	13	PASS
			HCH	RB1#0	5.25	13	PASS
				RB1#7	5.02	13	PASS
				RB1#14	4.9	13	PASS
				RB8#0	4.99	13	PASS
				RB8#4	4.75	13	PASS
				RB8#7	4.73	13	PASS
				RB15#0	5.38	13	PASS
		5	LCH	RB1#0	4.47	13	PASS
				RB1#13	4.71	13	PASS
				RB1#24	4.77	13	PASS
				RB12#0	5.02	13	PASS
				RB12#6	5	13	PASS
				RB12#13	5.15	13	PASS
				RB25#0	5.25	13	PASS
			MCH	RB1#0	4.84	13	PASS
				RB1#13	4.81	13	PASS
				RB1#24	5	13	PASS
				RB12#0	5.17	13	PASS
				RB12#6	5.08	13	PASS
				RB12#13	5.21	13	PASS
				RB25#0	5.59	13	PASS
			HCH	RB1#0	5.51	13	PASS
				RB1#13	5.29	13	PASS
				RB1#24	5.04	13	PASS
				RB12#0	5.42	13	PASS
				RB12#6	5.2	13	PASS
				RB12#13	5.05	13	PASS
				RB25#0	5.34	13	PASS
		10	LCH	RB1#0	4.65	13	PASS
				RB1#25	4.81	13	PASS
				RB1#49	4.76	13	PASS
				RB25#0	5.26	13	PASS
				RB25#13	5.23	13	PASS
				RB25#25	5.14	13	PASS
				RB50#0	5.72	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.63	13	PASS
				RB1#25	4.56	13	PASS
				RB1#49	4.9	13	PASS
				RB25#0	5.18	13	PASS
				RB25#13	5.24	13	PASS
				RB25#25	5.5	13	PASS
				RB50#0	5.69	13	PASS
			HCH	RB1#0	5.29	13	PASS
				RB1#25	5.32	13	PASS
				RB1#49	4.97	13	PASS
				RB25#0	5.52	13	PASS
				RB25#13	5.57	13	PASS
				RB25#25	5.37	13	PASS
				RB50#0	5.79	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.62	13	PASS
				RB1#3	5.65	13	PASS
				RB1#5	5.75	13	PASS
				RB3#0	5.03	13	PASS
				RB3#2	4.97	13	PASS
				RB3#3	5.17	13	PASS
				RB6#0	5.91	13	PASS
			MCH	RB1#0	5.71	13	PASS
				RB1#3	5.63	13	PASS
				RB1#5	5.71	13	PASS
				RB3#0	5.03	13	PASS
				RB3#2	4.81	13	PASS
				RB3#3	5	13	PASS
				RB6#0	5.87	13	PASS
			HCH	RB1#0	5.59	13	PASS
				RB1#3	5.5	13	PASS
				RB1#5	5.47	13	PASS
				RB3#0	4.84	13	PASS
				RB3#2	4.66	13	PASS
				RB3#3	4.72	13	PASS
				RB6#0	6.04	13	PASS
		3	LCH	RB1#0	5.94	13	PASS
				RB1#7	6.05	13	PASS
				RB1#14	6.32	13	PASS
				RB8#0	5.97	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	5.98	13	PASS
				RB8#7	6.15	13	PASS
				RB15#0	6.41	13	PASS
			MCH	RB1#0	5.86	13	PASS
				RB1#7	5.67	13	PASS
				RB1#14	6.03	13	PASS
				RB8#0	5.51	13	PASS
				RB8#4	5.47	13	PASS
				RB8#7	5.6	13	PASS
				RB15#0	6.29	13	PASS
			HCH	RB1#0	5.55	13	PASS
				RB1#7	5.41	13	PASS
				RB1#14	5.35	13	PASS
				RB8#0	6	13	PASS
				RB8#4	5.8	13	PASS
				RB8#7	5.83	13	PASS
				RB15#0	5.91	13	PASS
		5	LCH	RB1#0	5.83	13	PASS
				RB1#13	6.12	13	PASS
				RB1#24	6.12	13	PASS
				RB12#0	5.89	13	PASS
				RB12#6	5.88	13	PASS
				RB12#13	6.01	13	PASS
				RB25#0	6.4	13	PASS
			MCH	RB1#0	5.82	13	PASS
				RB1#13	5.8	13	PASS
				RB1#24	6	13	PASS
				RB12#0	5.85	13	PASS
				RB12#6	5.76	13	PASS
				RB12#13	5.94	13	PASS
				RB25#0	6.39	13	PASS
			HCH	RB1#0	5.11	13	PASS
				RB1#13	4.94	13	PASS
				RB1#24	4.77	13	PASS
				RB12#0	5.99	13	PASS
				RB12#6	5.75	13	PASS
				RB12#13	5.66	13	PASS
				RB25#0	6.61	13	PASS
		10	LCH	RB1#0	6.05	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	6.27	13	PASS
				RB1#49	6.18	13	PASS
				RB25#0	6.52	13	PASS
				RB25#13	6.38	13	PASS
				RB25#25	6.49	13	PASS
				RB50#0	6.82	13	PASS
			MCH	RB1#0	5.72	13	PASS
				RB1#25	5.64	13	PASS
				RB1#49	6	13	PASS
				RB25#0	6.22	13	PASS
				RB25#13	6.16	13	PASS
				RB25#25	6.41	13	PASS
				RB50#0	6.55	13	PASS
			HCH	RB1#0	5.81	13	PASS
				RB1#25	5.86	13	PASS
				RB1#49	5.53	13	PASS
				RB25#0	6.4	13	PASS
				RB25#13	6.31	13	PASS
				RB25#25	6.27	13	PASS
				RB50#0	6.57	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

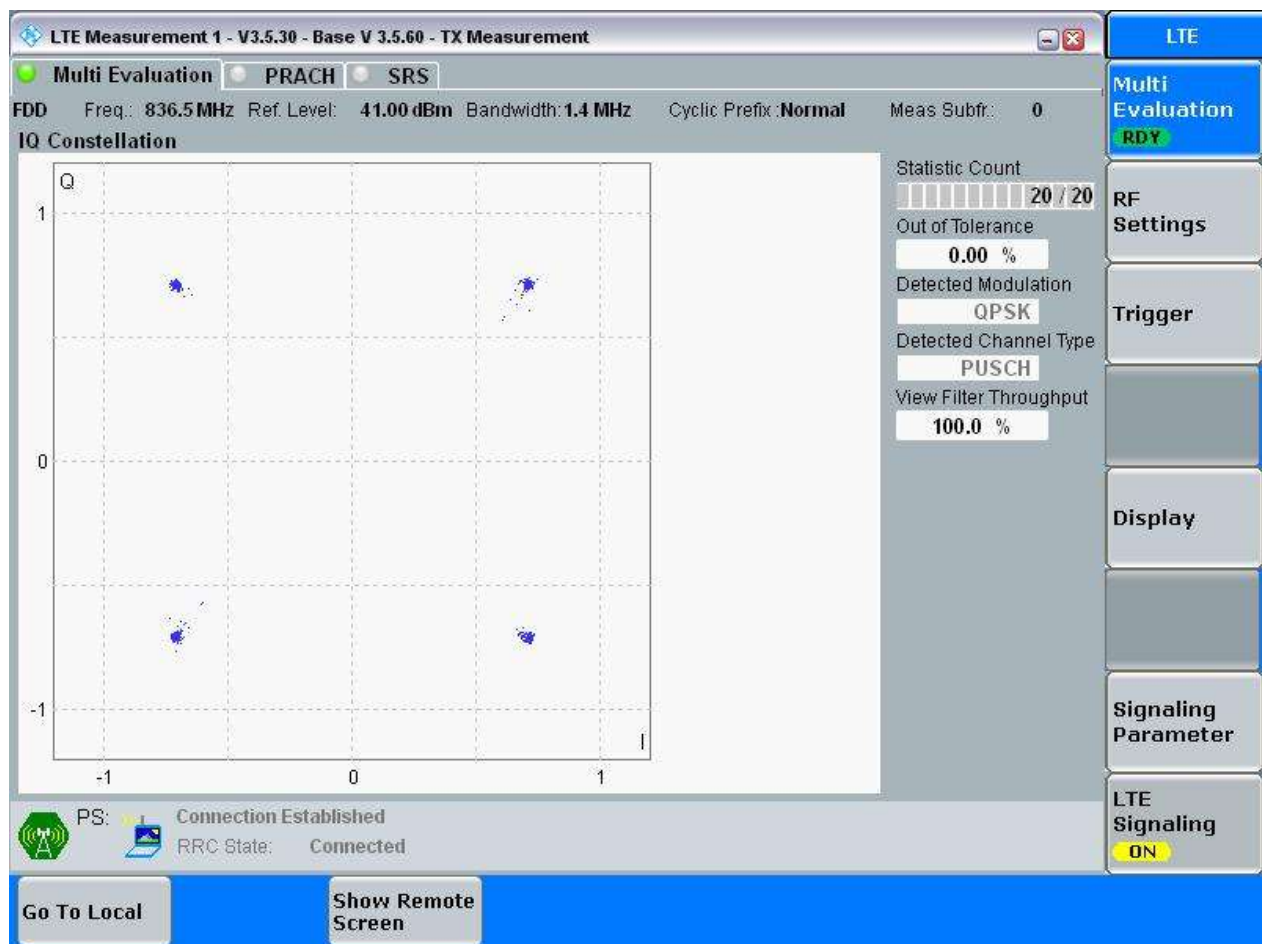
3.1.1 Test Band = BAND5

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

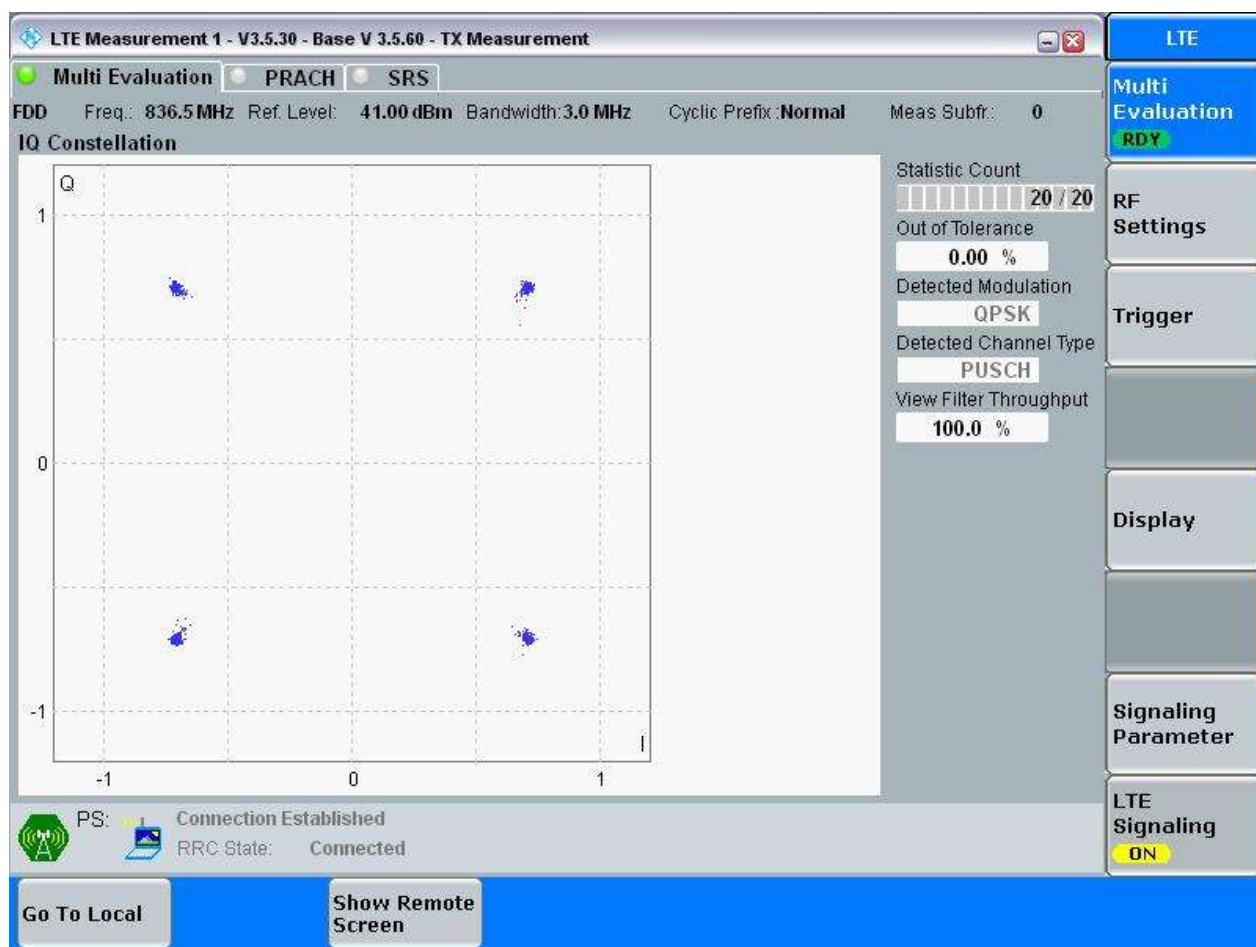
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

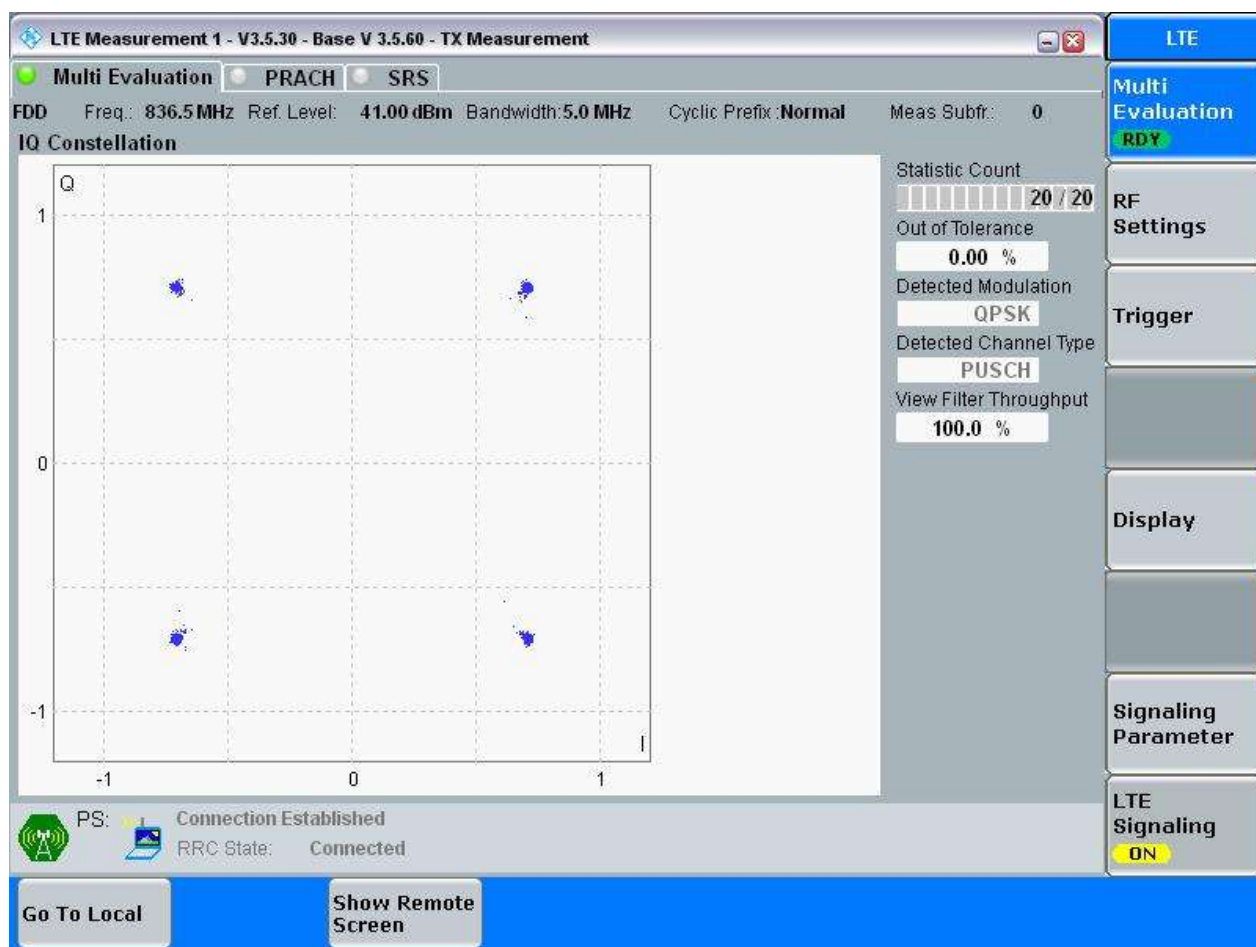
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

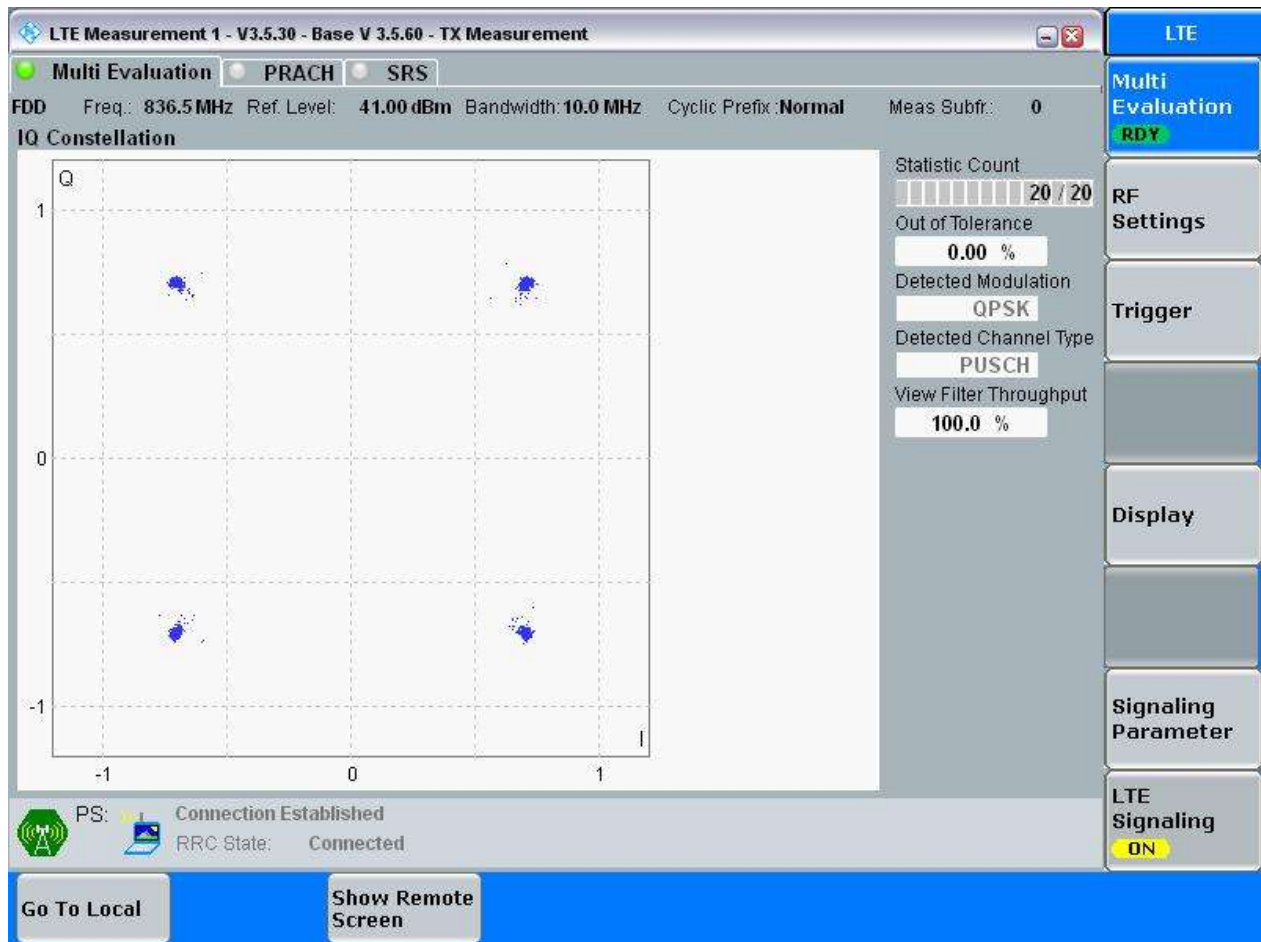
3.1.1.1.3.1.1 Test RB = RB25#0



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

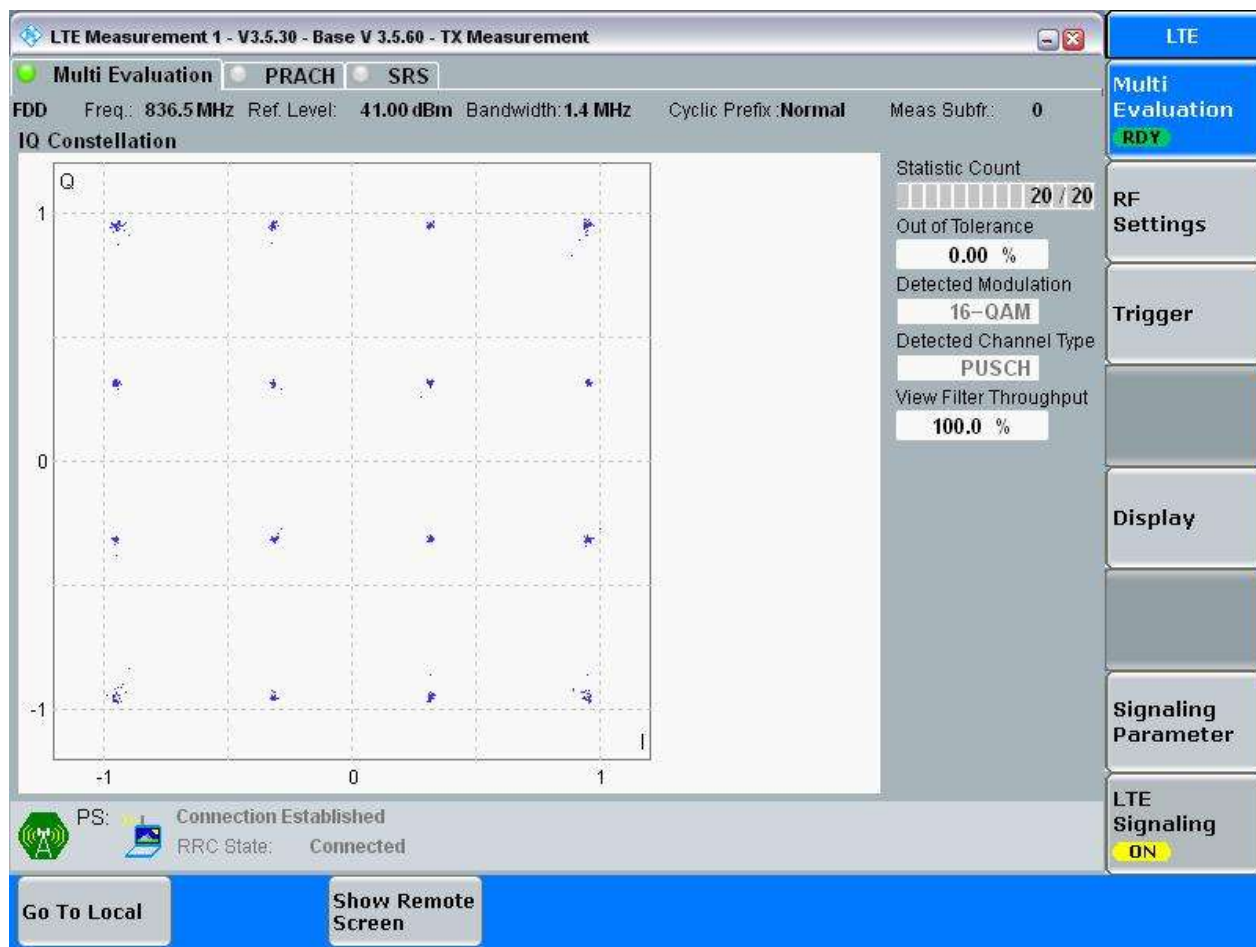


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

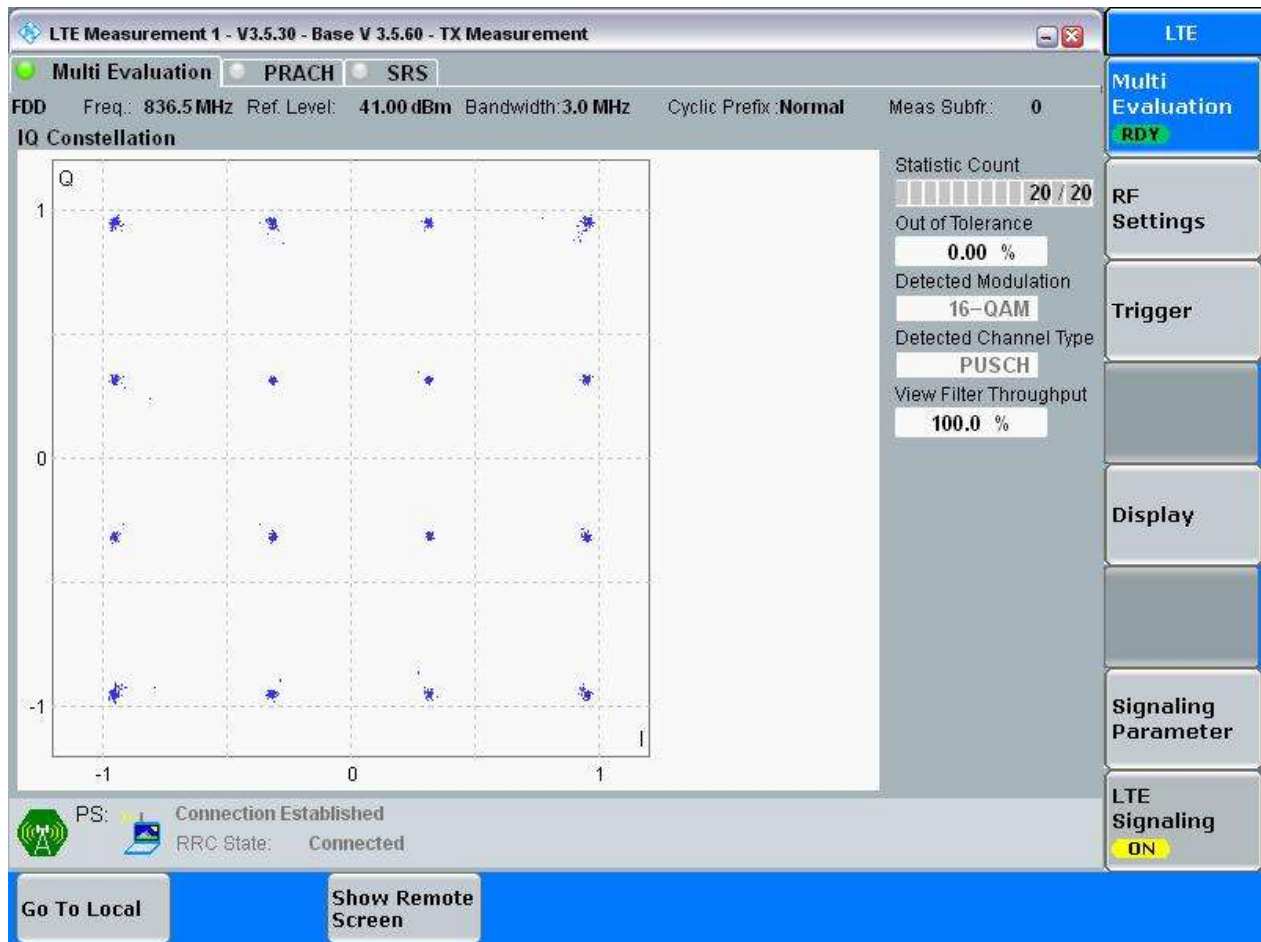
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

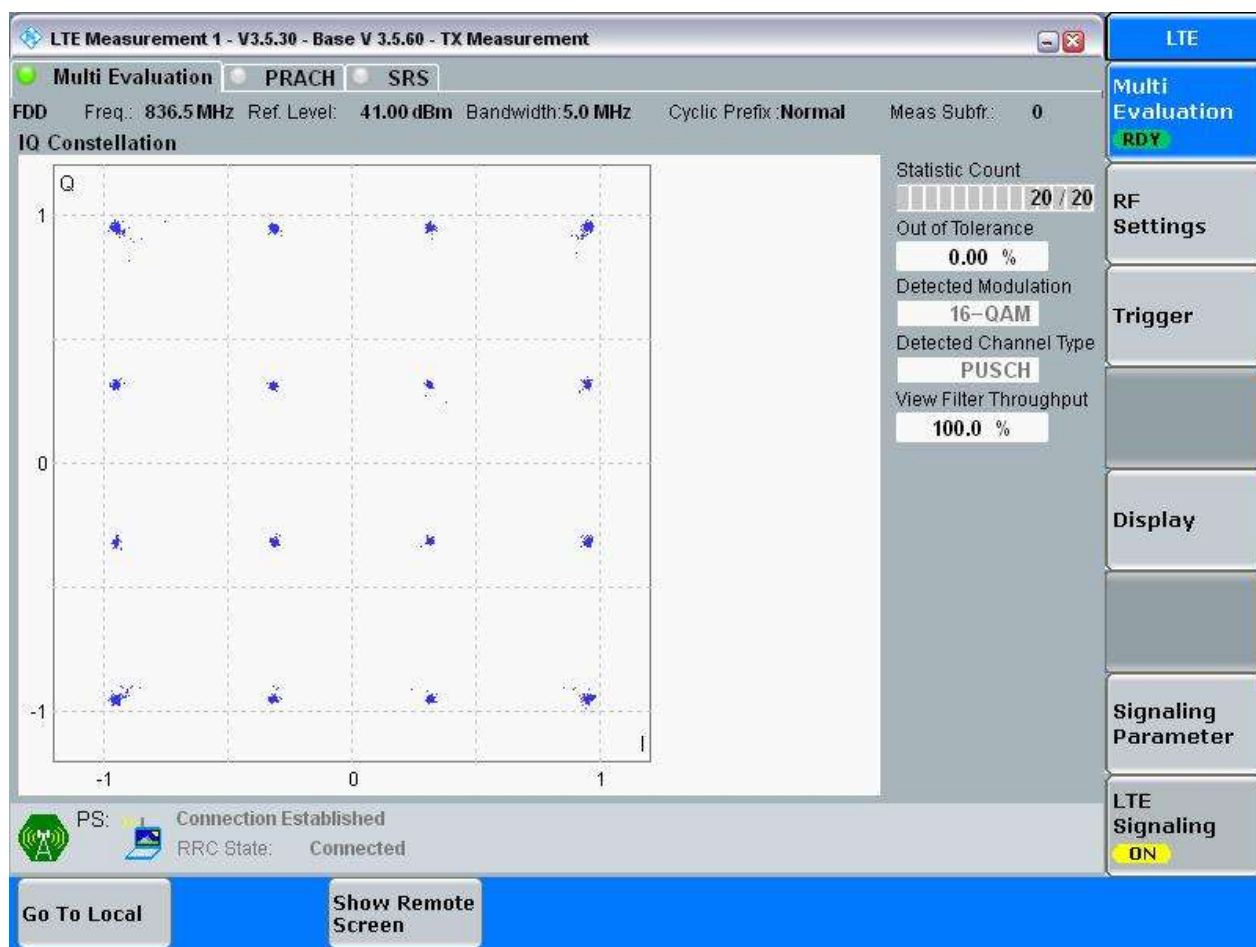
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

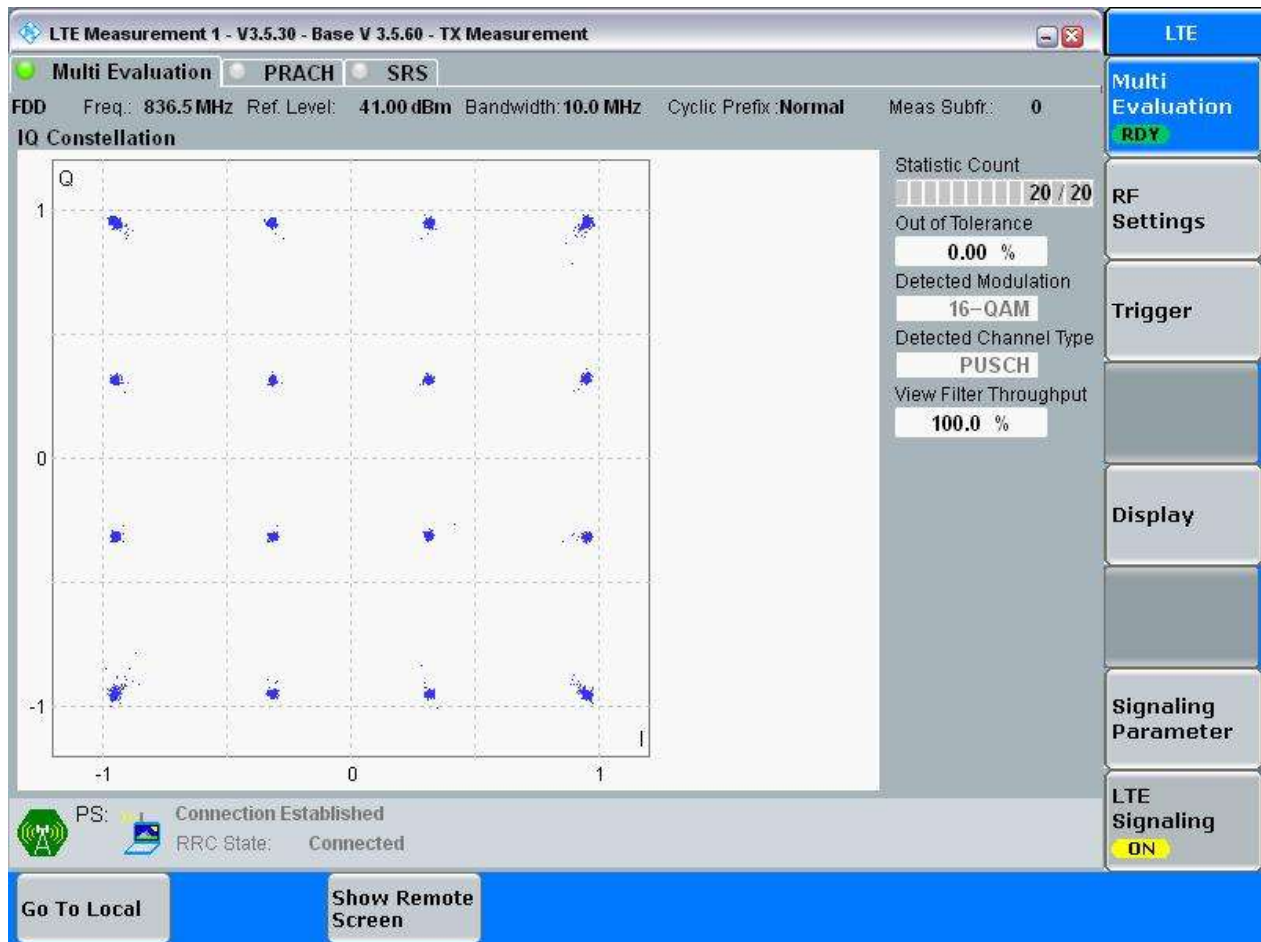
3.1.1.2.3.1.1 Test RB = RB25#0



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	1.29	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.69	2.92	Pass
			MCH	RB15#0	2.69	2.92	Pass
			HCH	RB15#0	2.69	2.91	Pass
		5	LCH	RB25#0	4.53	5.21	Pass
			MCH	RB25#0	4.51	5.19	Pass
			HCH	RB25#0	4.51	5.17	Pass
		10	LCH	RB50#0	9.02	10.11	Pass
			MCH	RB50#0	9.00	10.18	Pass
			HCH	RB50#0	9.00	10.08	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.31	Pass
			MCH	RB6#0	1.09	1.30	Pass
			HCH	RB6#0	1.09	1.28	Pass
		3	LCH	RB15#0	2.69	2.93	Pass
			MCH	RB15#0	2.69	2.93	Pass
			HCH	RB15#0	2.69	2.93	Pass
		5	LCH	RB25#0	4.52	5.21	Pass
			MCH	RB25#0	4.51	5.11	Pass
			HCH	RB25#0	4.52	5.17	Pass
		10	LCH	RB50#0	9.01	10.15	Pass
			MCH	RB50#0	9.03	10.18	Pass
			HCH	RB50#0	9.00	10.13	Pass



Part II - Test Plots

4.1 For LTE

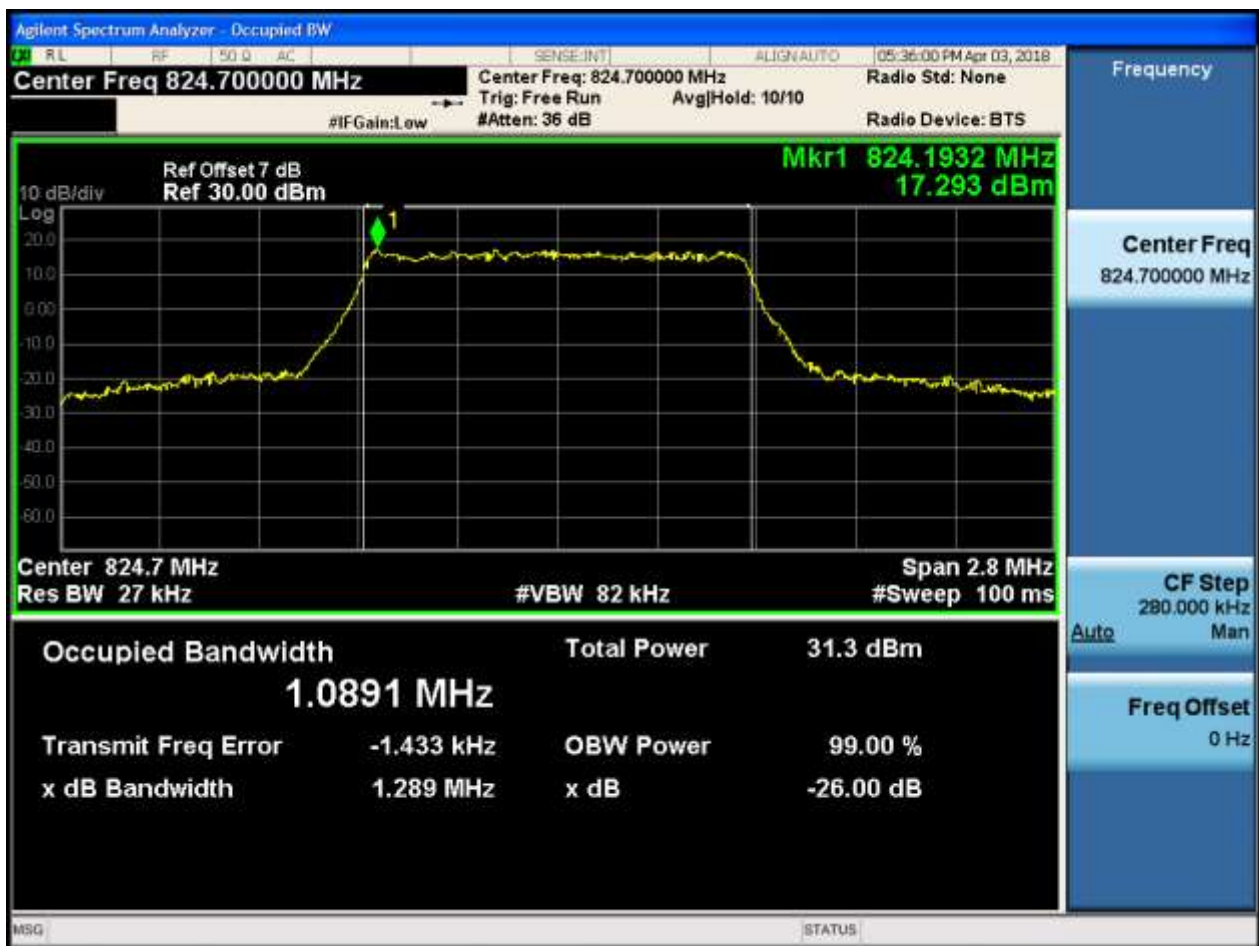
4.1.1 Test Band = BAND5

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

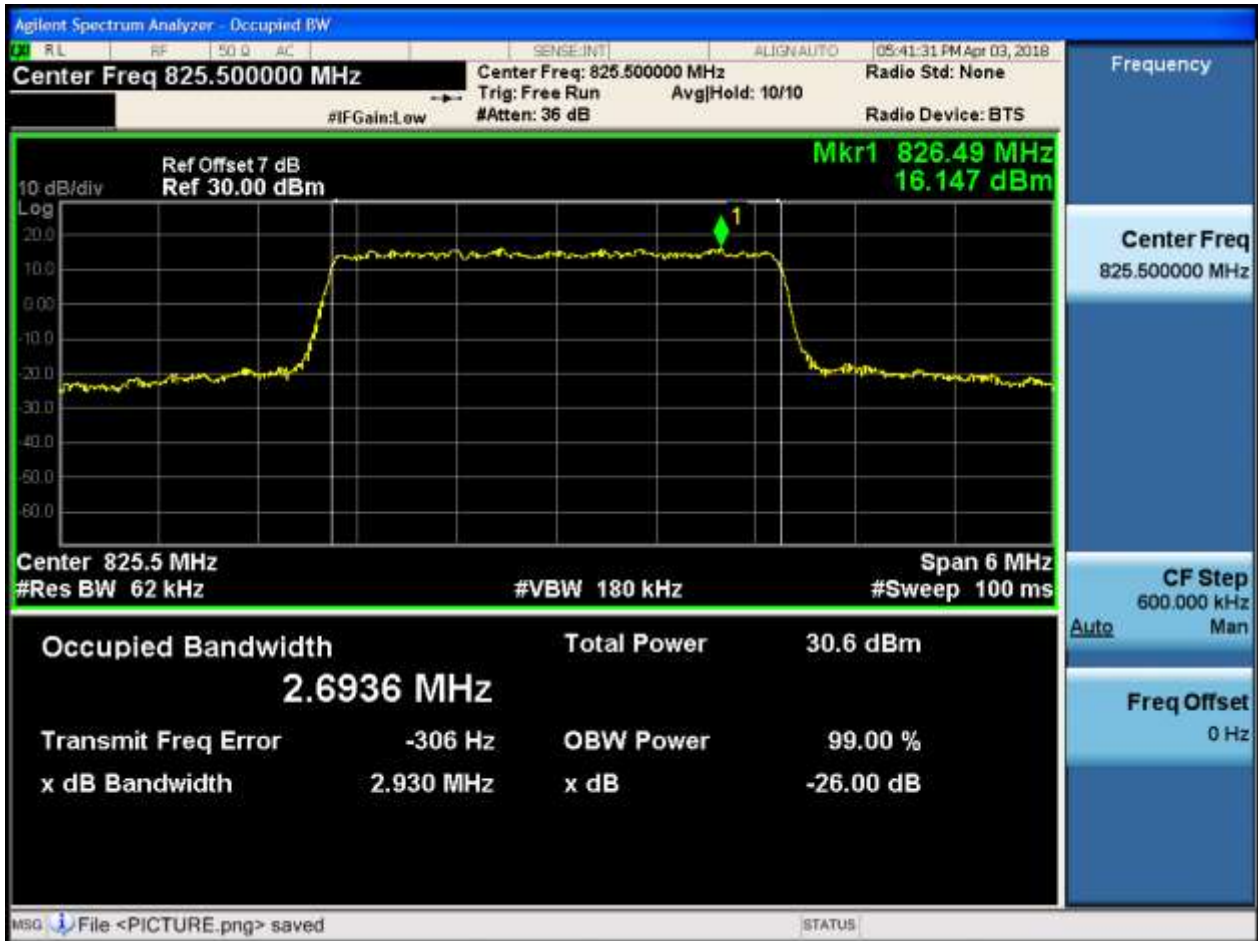




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

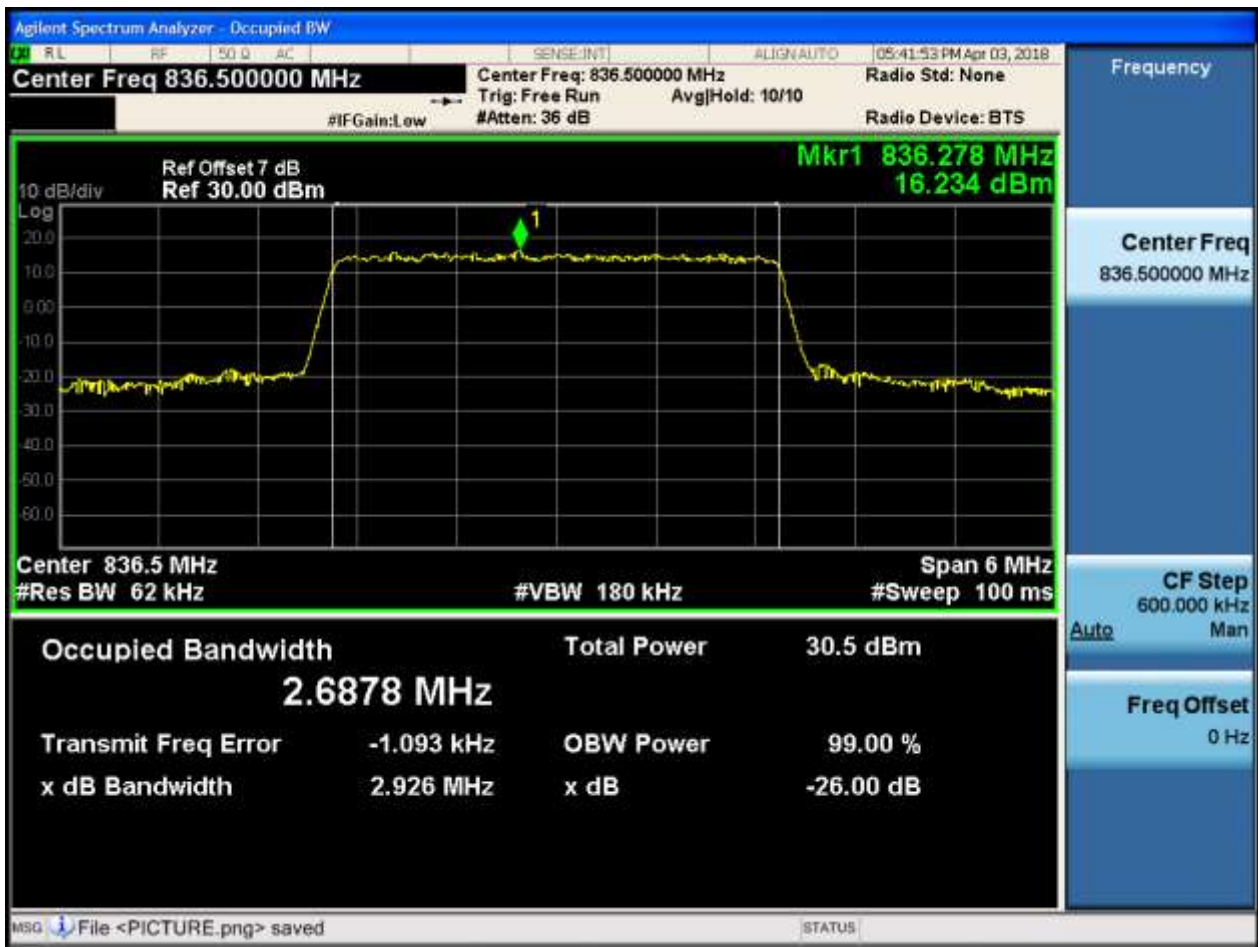
4.1.1.2.2.1.1 Test RB = RB15#0





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





5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





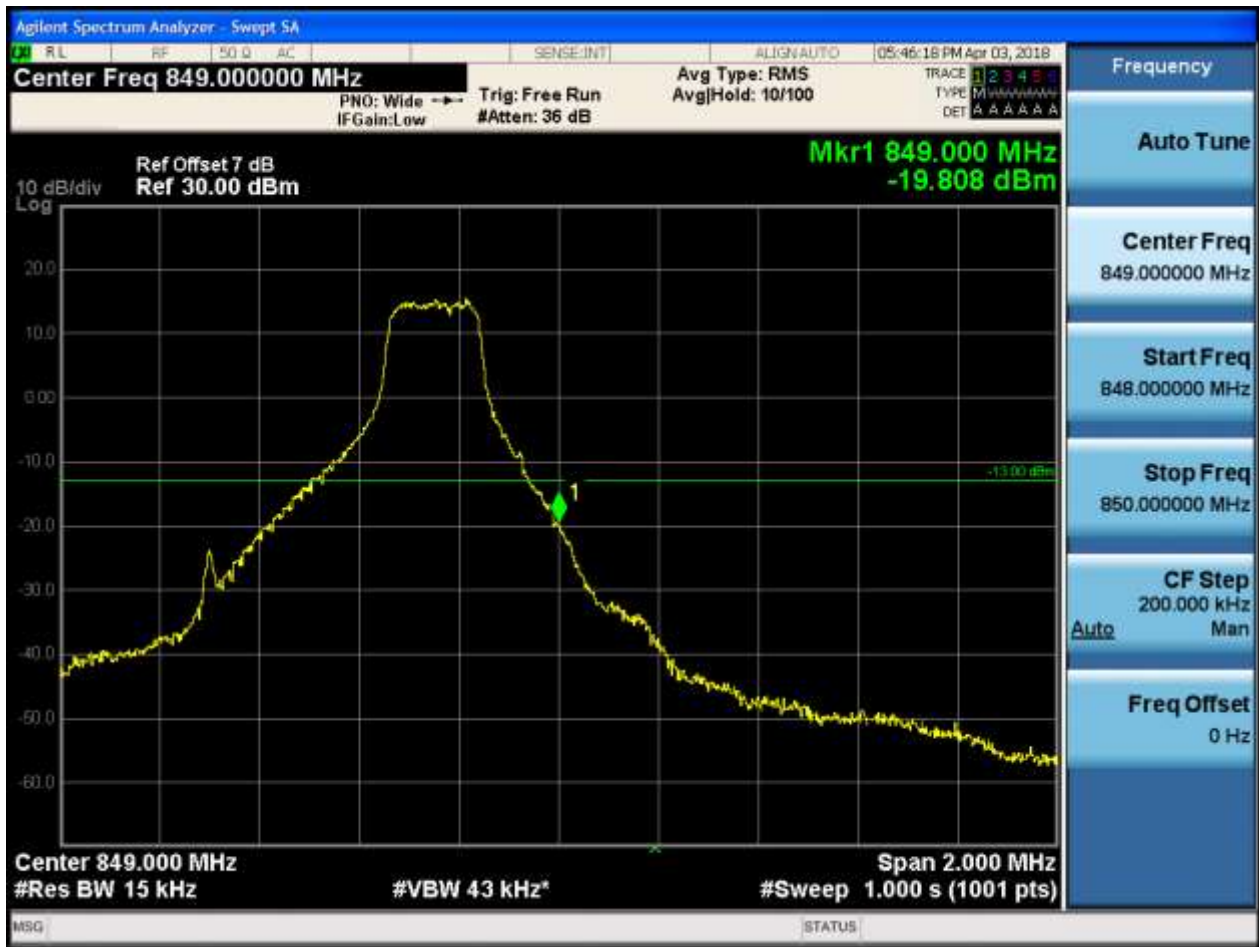
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 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



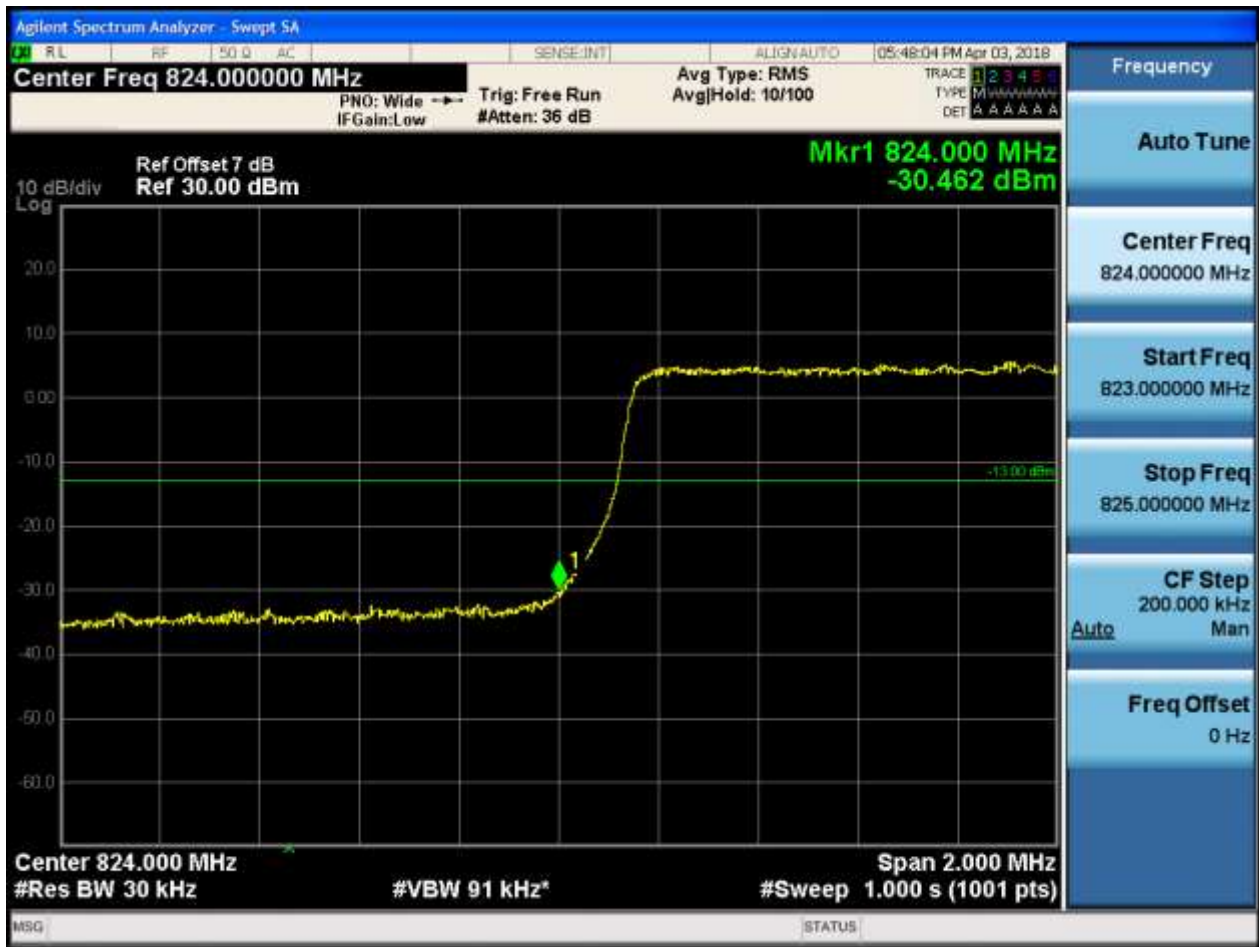


5.1.1.1.2.1.3 Test RB = RB8#4





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



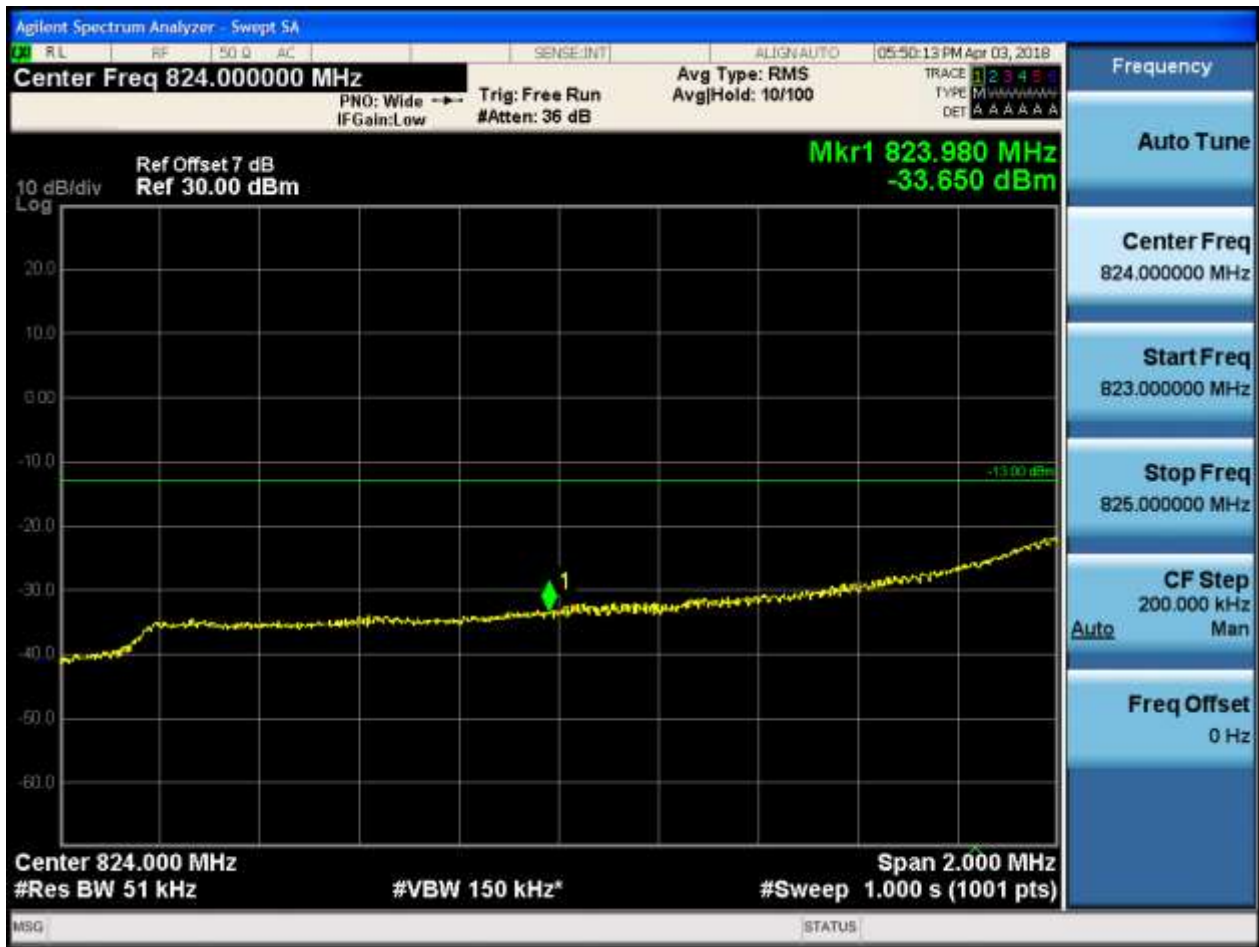


5.1.1.1.3.1.2 Test RB = RB1#24





5.1.1.1.3.1.3 Test RB = RB12#6





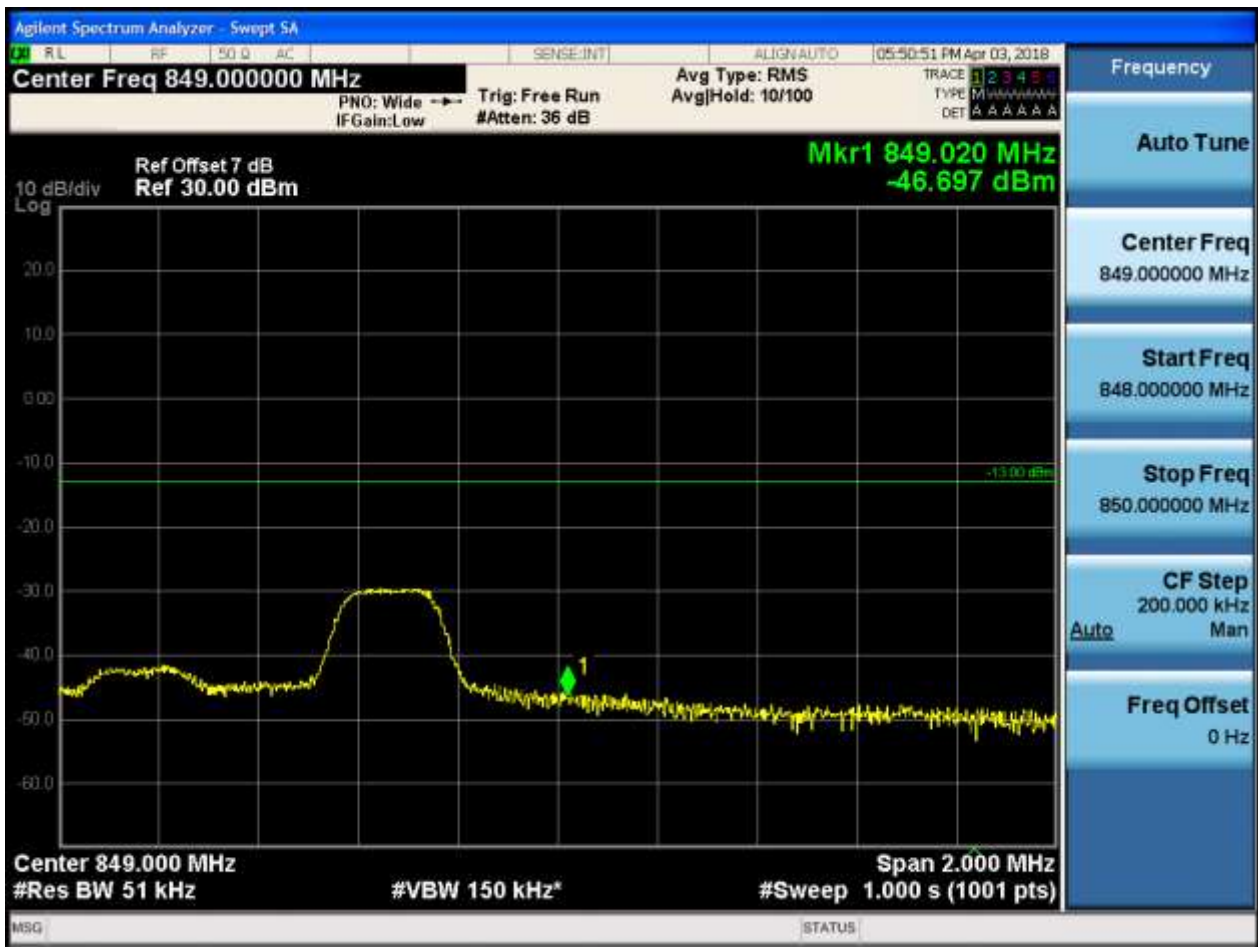
5.1.1.1.3.1.4 Test RB = RB25#0





5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0



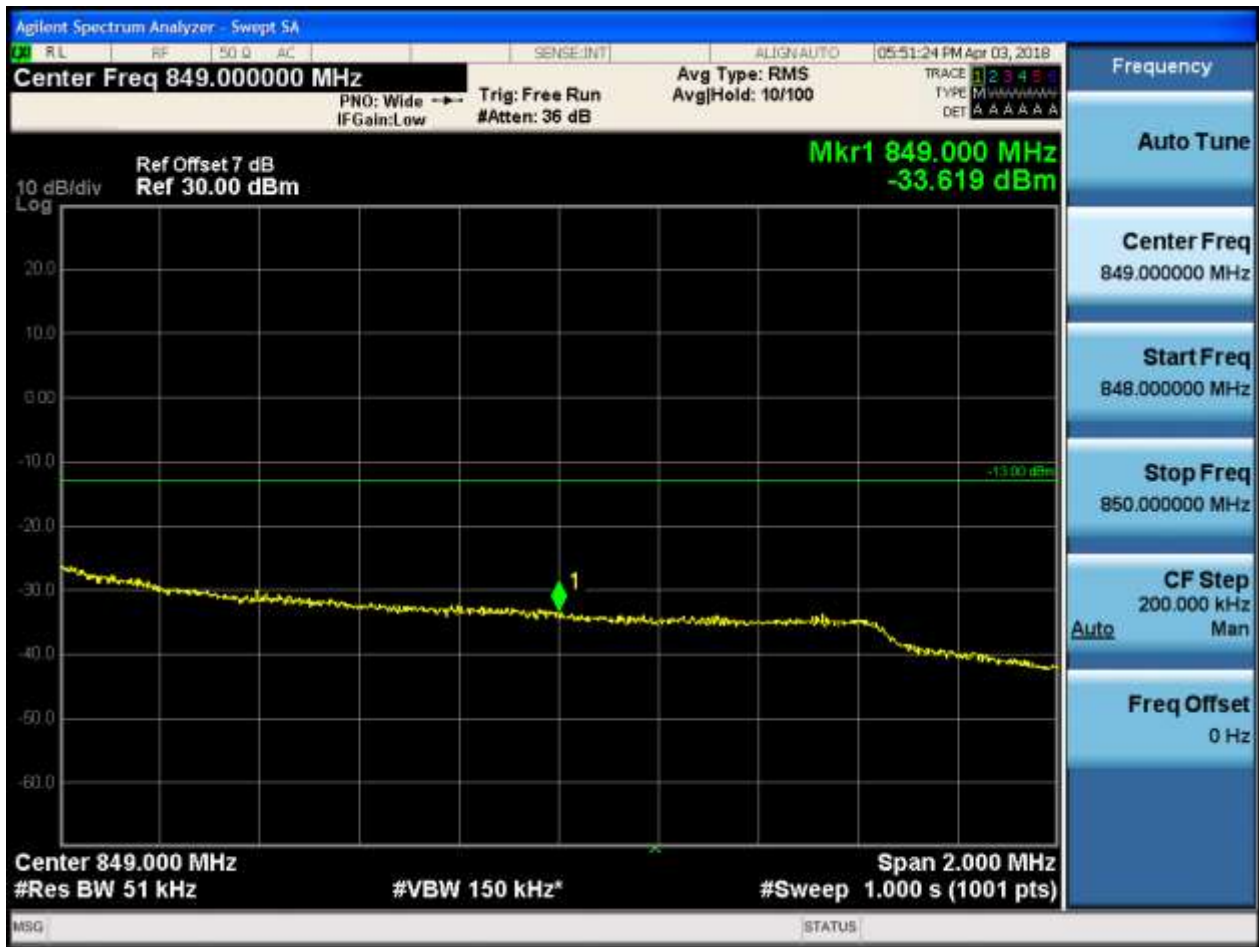


5.1.1.1.3.2.2 Test RB = RB1#24





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





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Avg Type: RMS

Trig: Free Run

PNO: Wide

IF Gain: Low

#Atten: 36 dB

Ref Offset 7 dB

Ref 30.00 dBm

Mkr1 823.990 MHz

-34.324 dBm

10 dB/div

Log

Center 824.000 MHz

#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz

#Sweep 1.000 s (1001 pts)

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



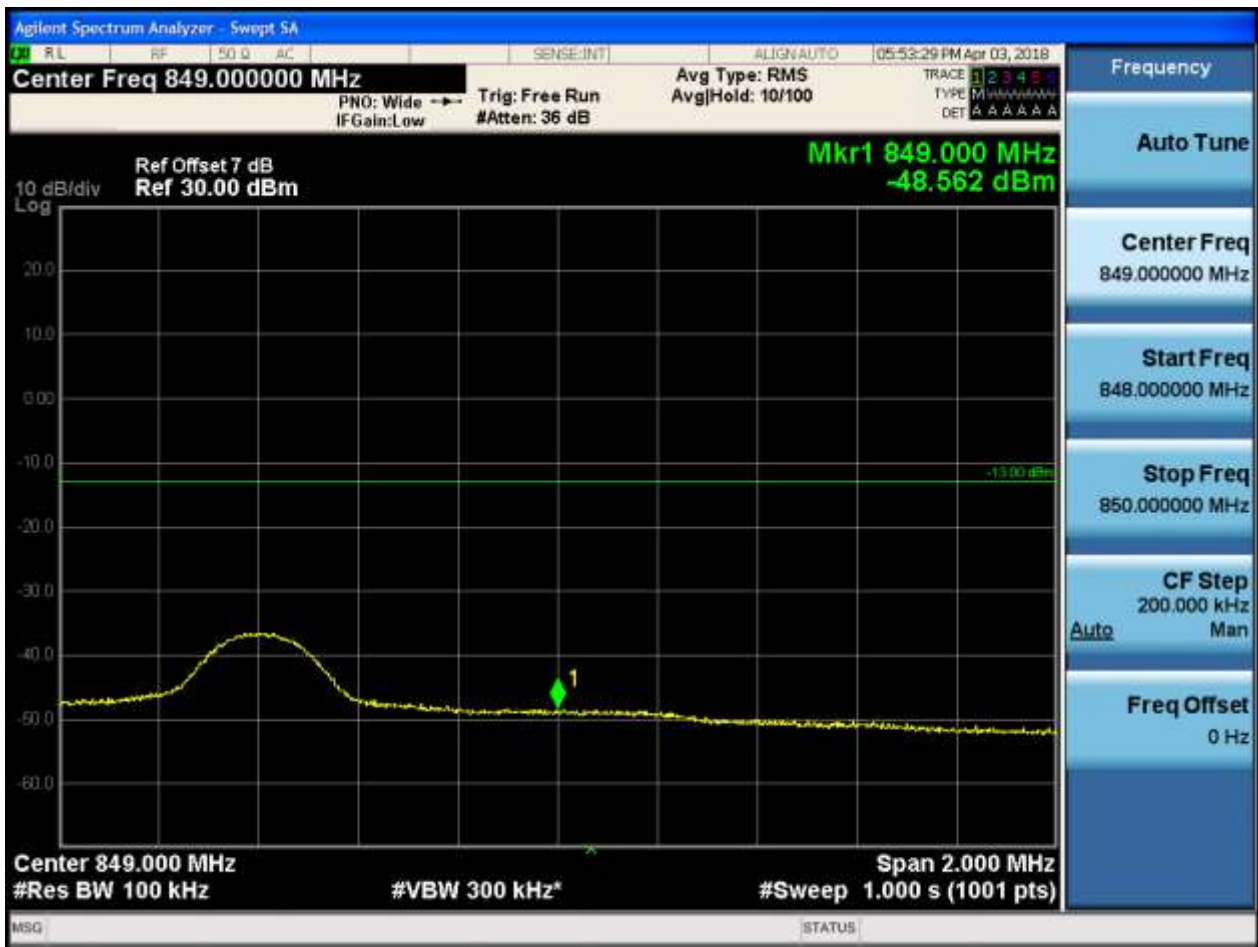
5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



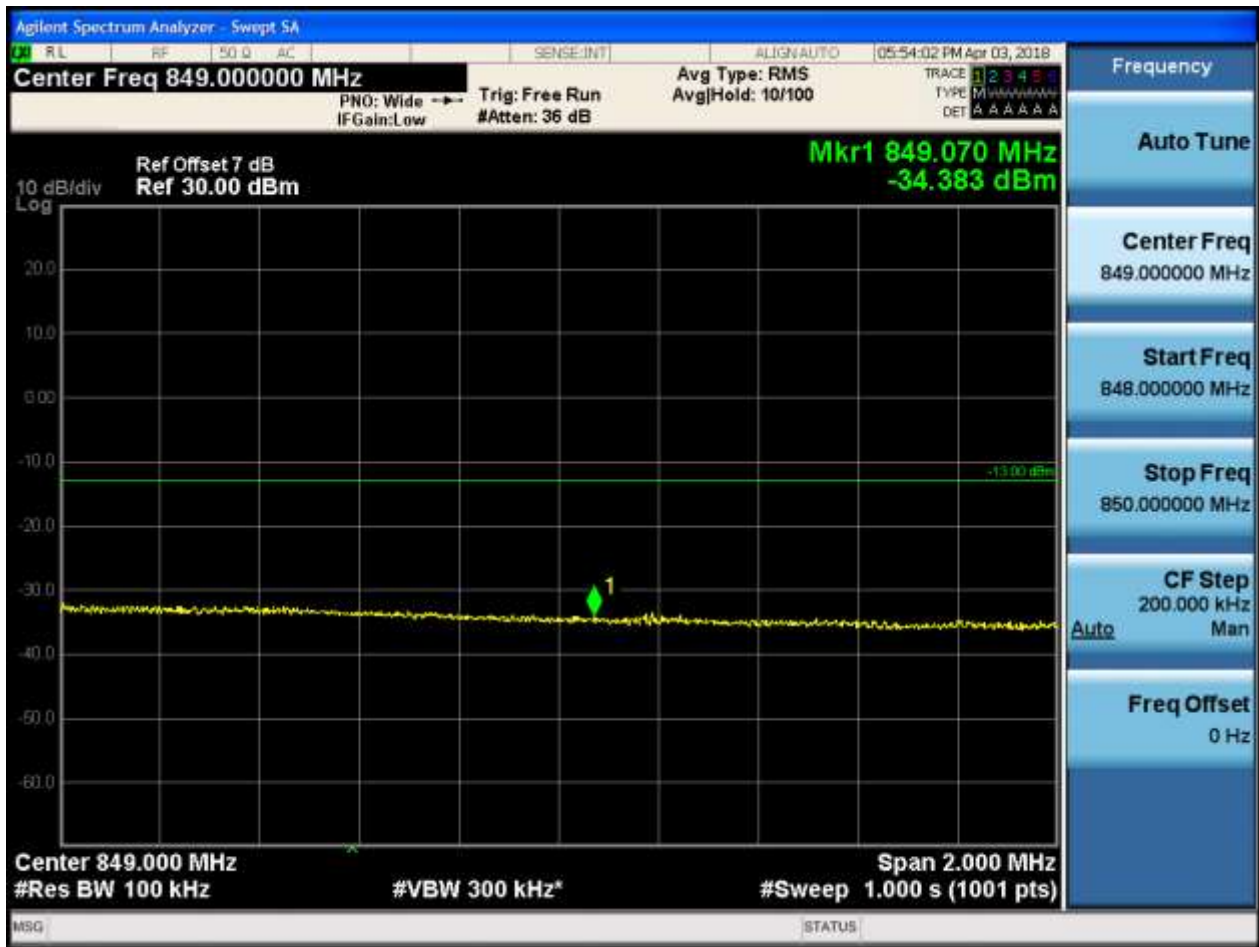


5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13



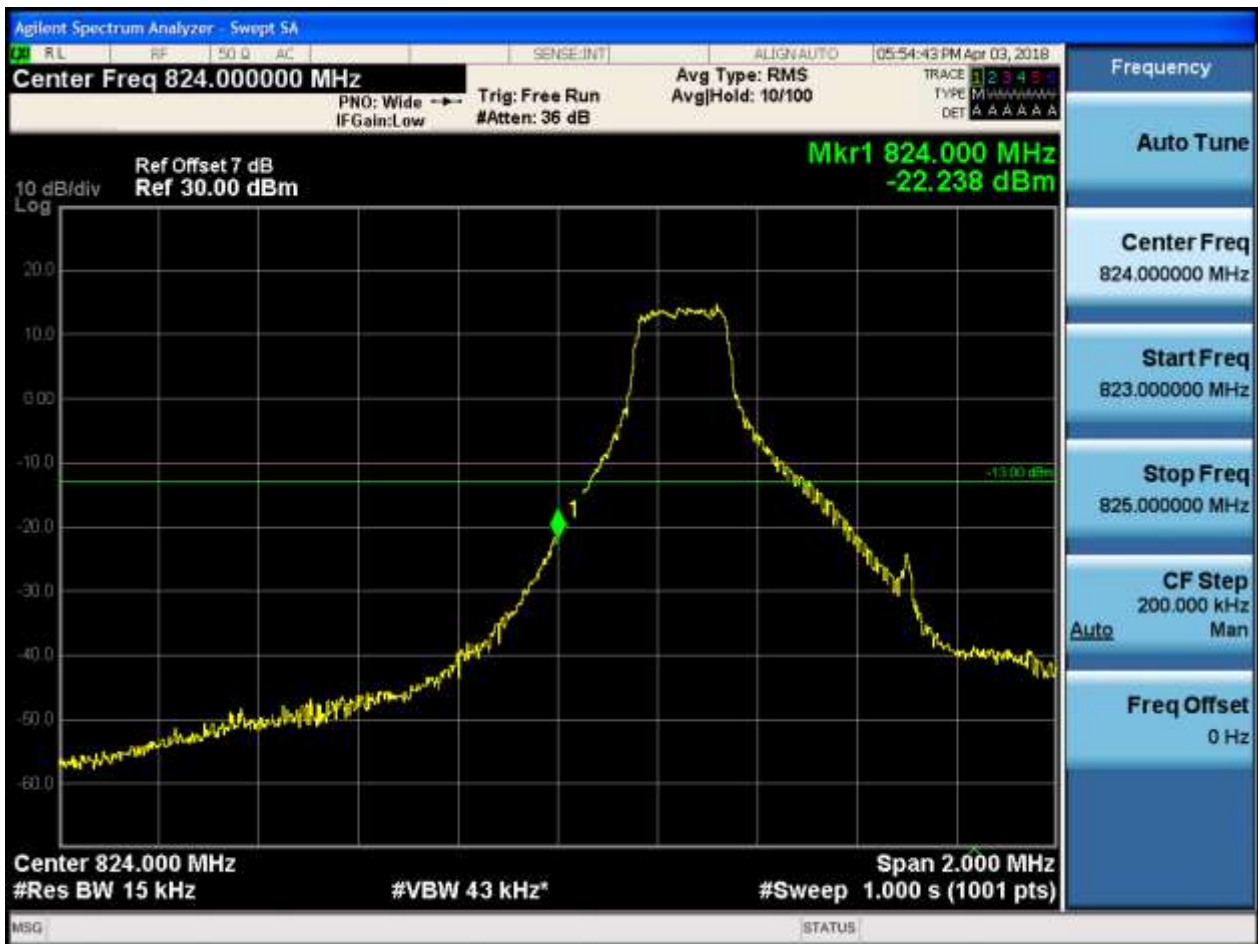


5.1.1.1.4.2.4 Test RB = RB50#0





5.1.1.2.1.1.1 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





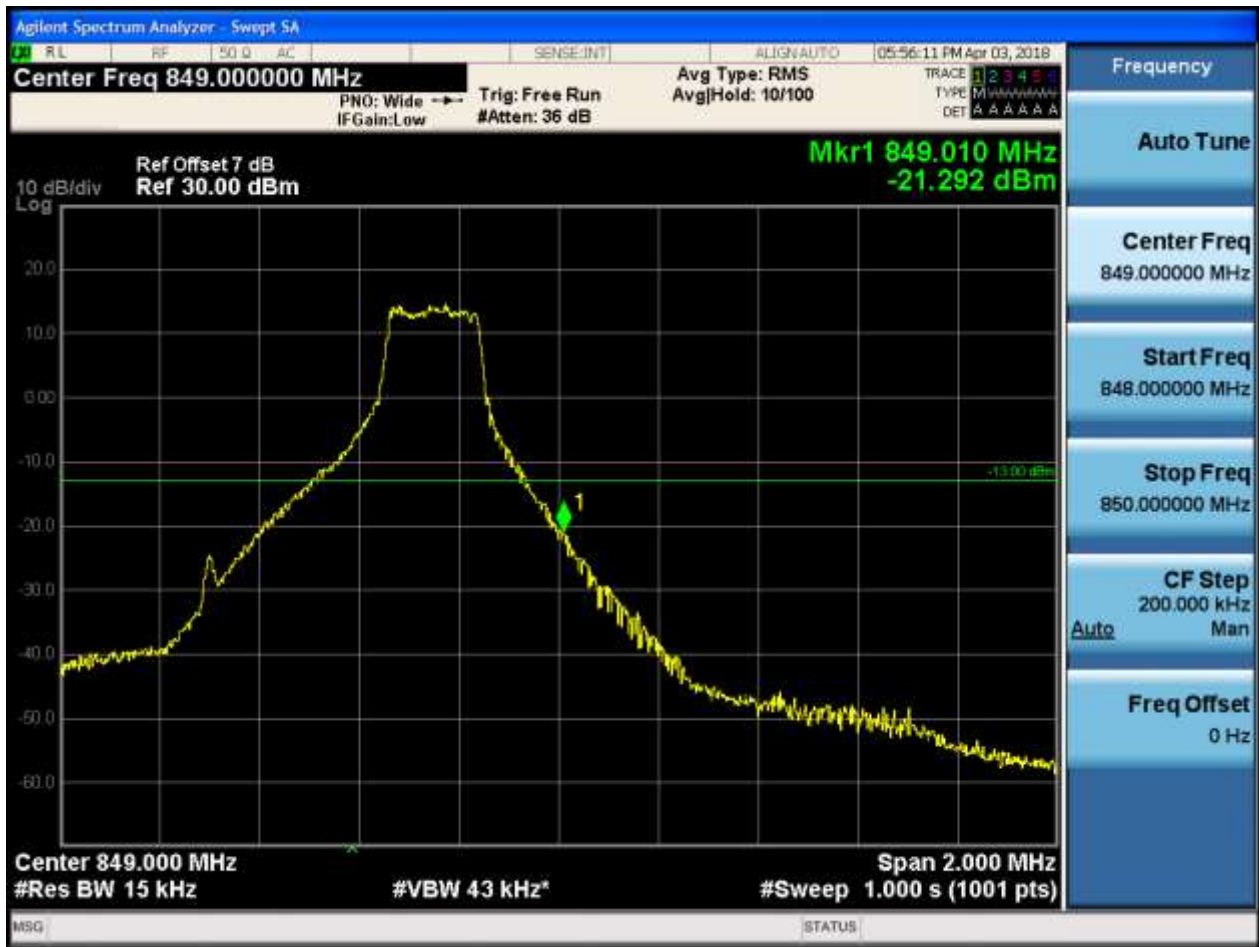
5.1.1.2.1.2 Test Channel = HCH

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

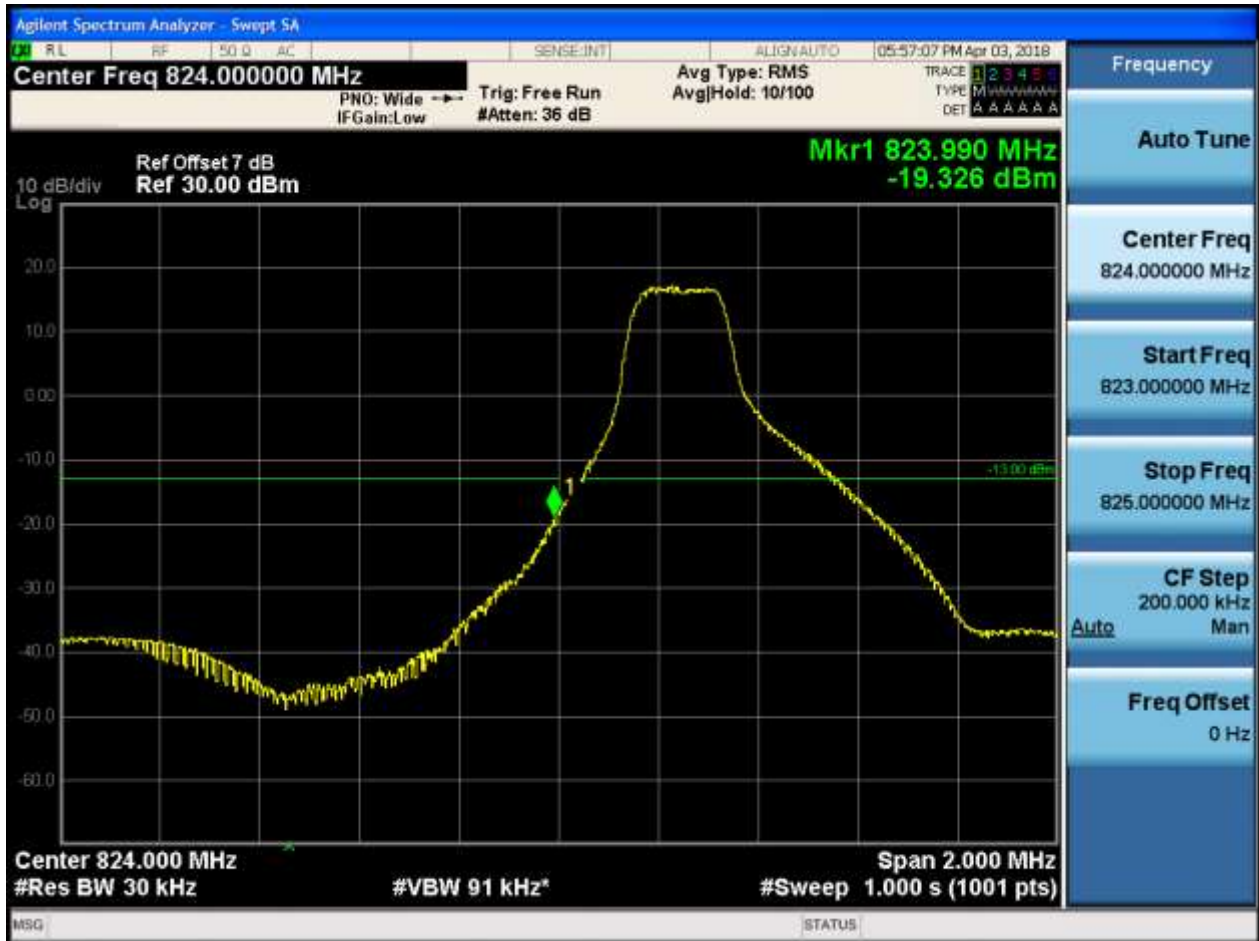




5.1.1.2.2 Test Bandwidth = 3

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



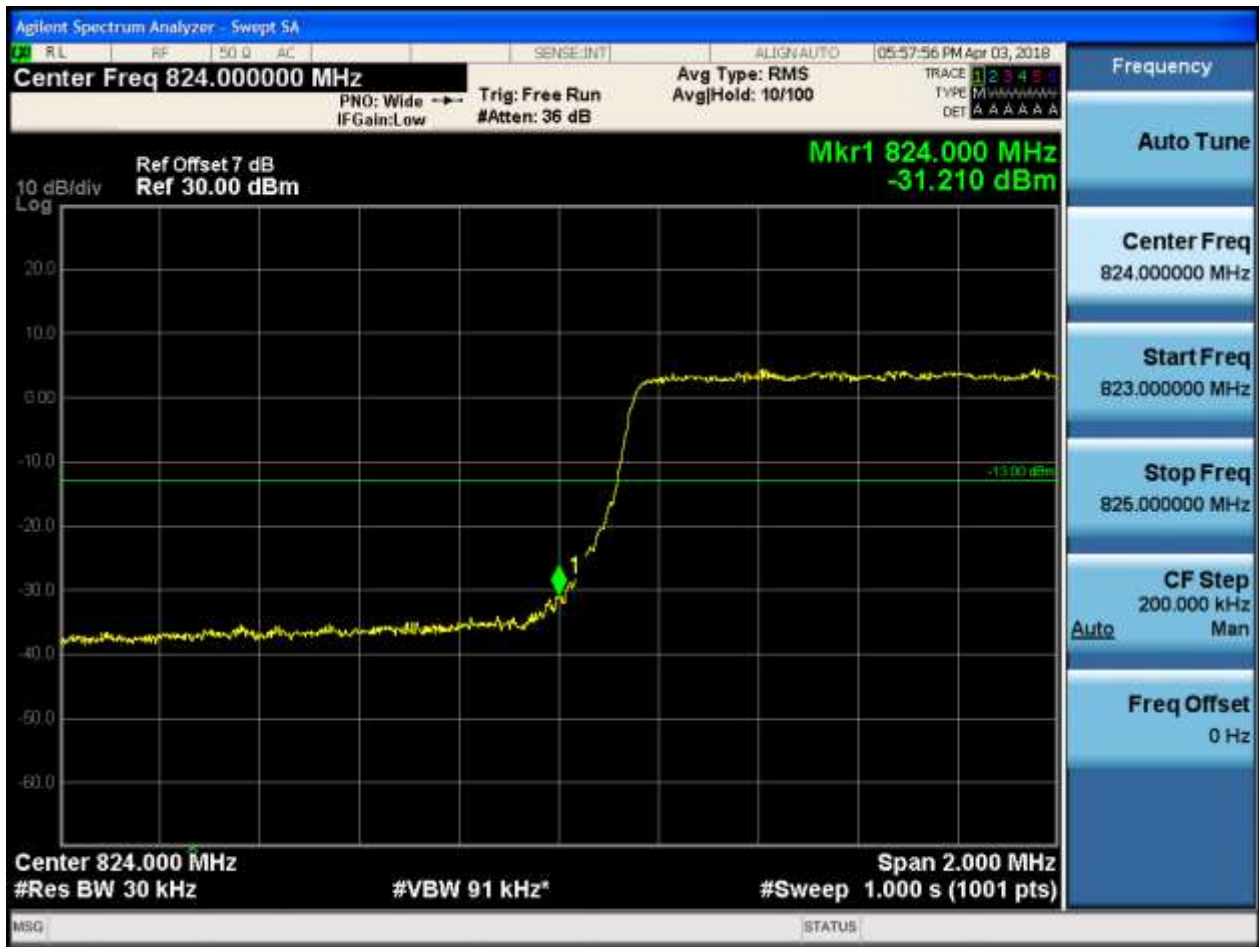


5.1.1.2.2.1.3 Test RB = RB8#4





5.1.1.2.2.1.4 Test RB = RB15#0





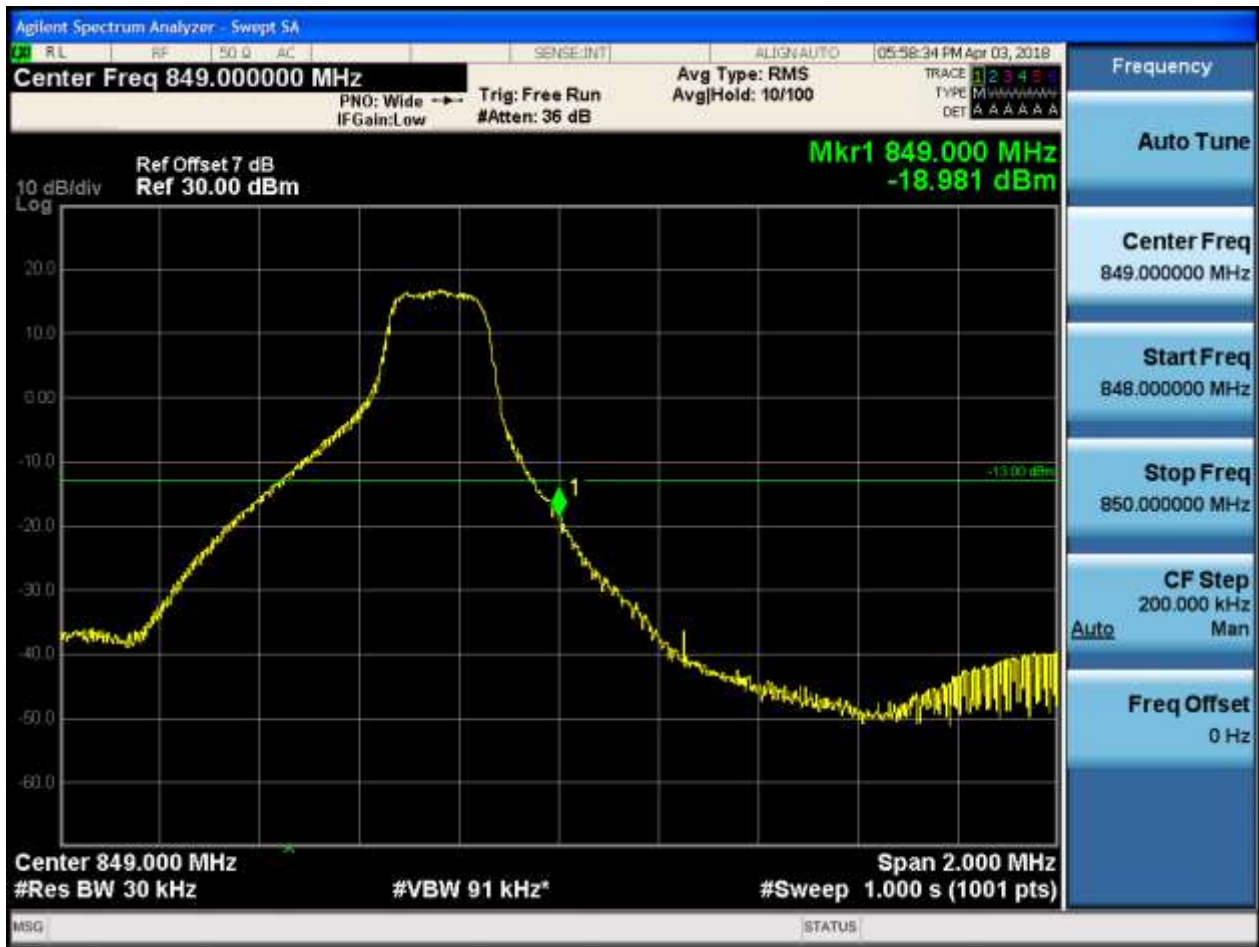
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





5.1.1.2.2.3 Test RB = RB8#4





5.1.1.2.2.4 Test RB = RB15#0





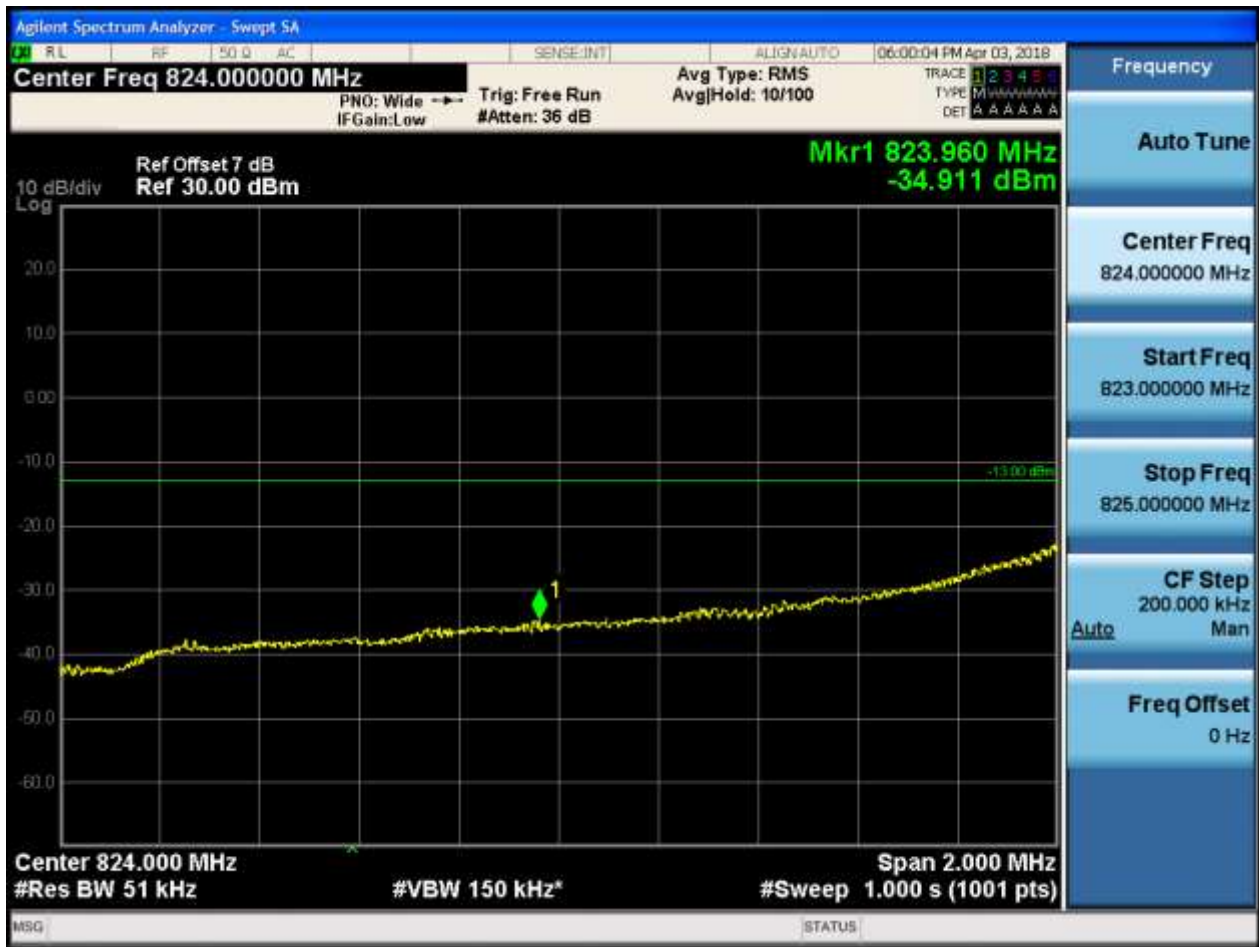


5.1.1.2.3.1.2 Test RB = RB1#24





5.1.1.2.3.1.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Avg Type: RMS
Avg/Hold: 9/100

Ref Offset 7 dB
Ref 30.00 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)

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

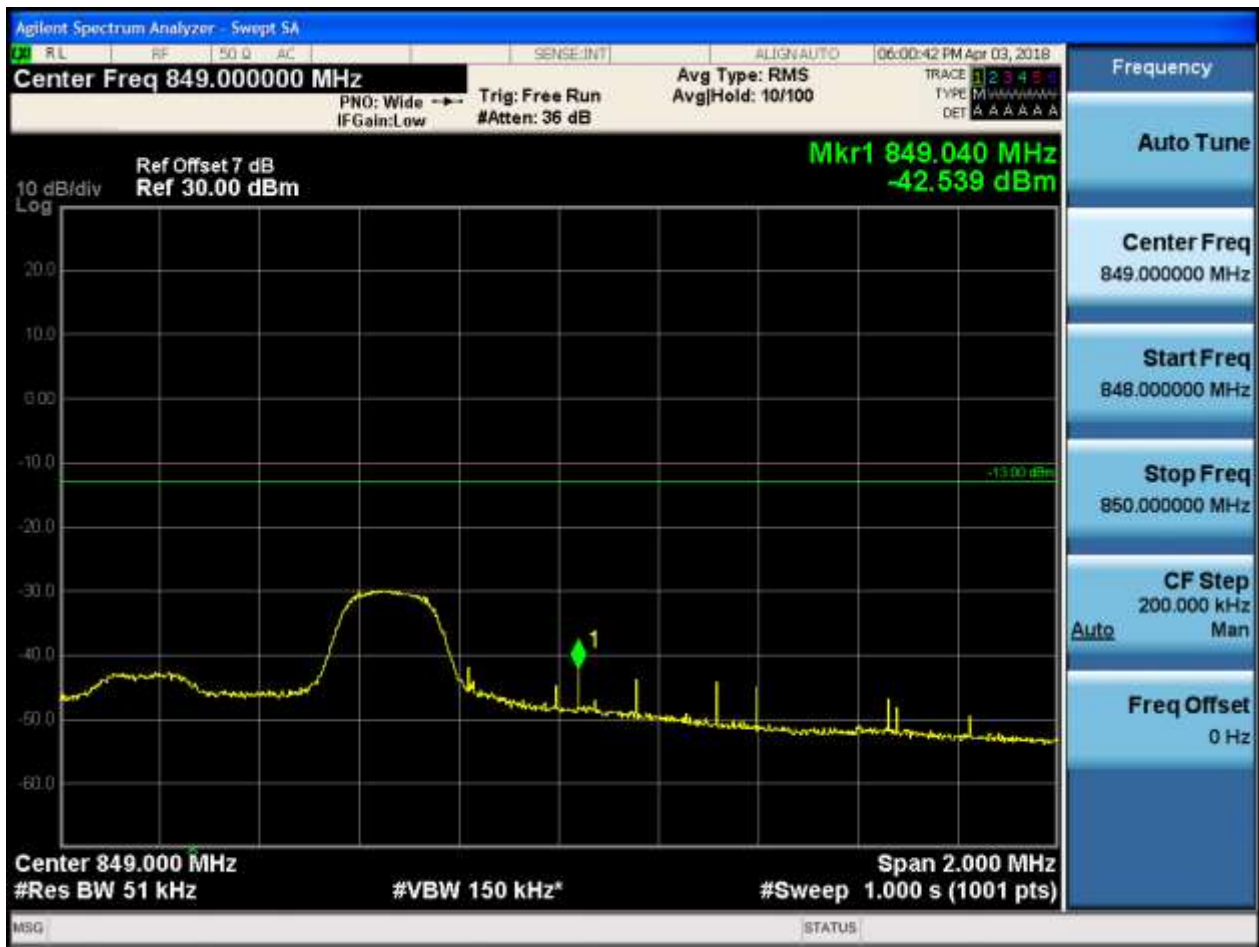
Mkr1 823.990 MHz
-26.440 dBm

-13.00 dBm



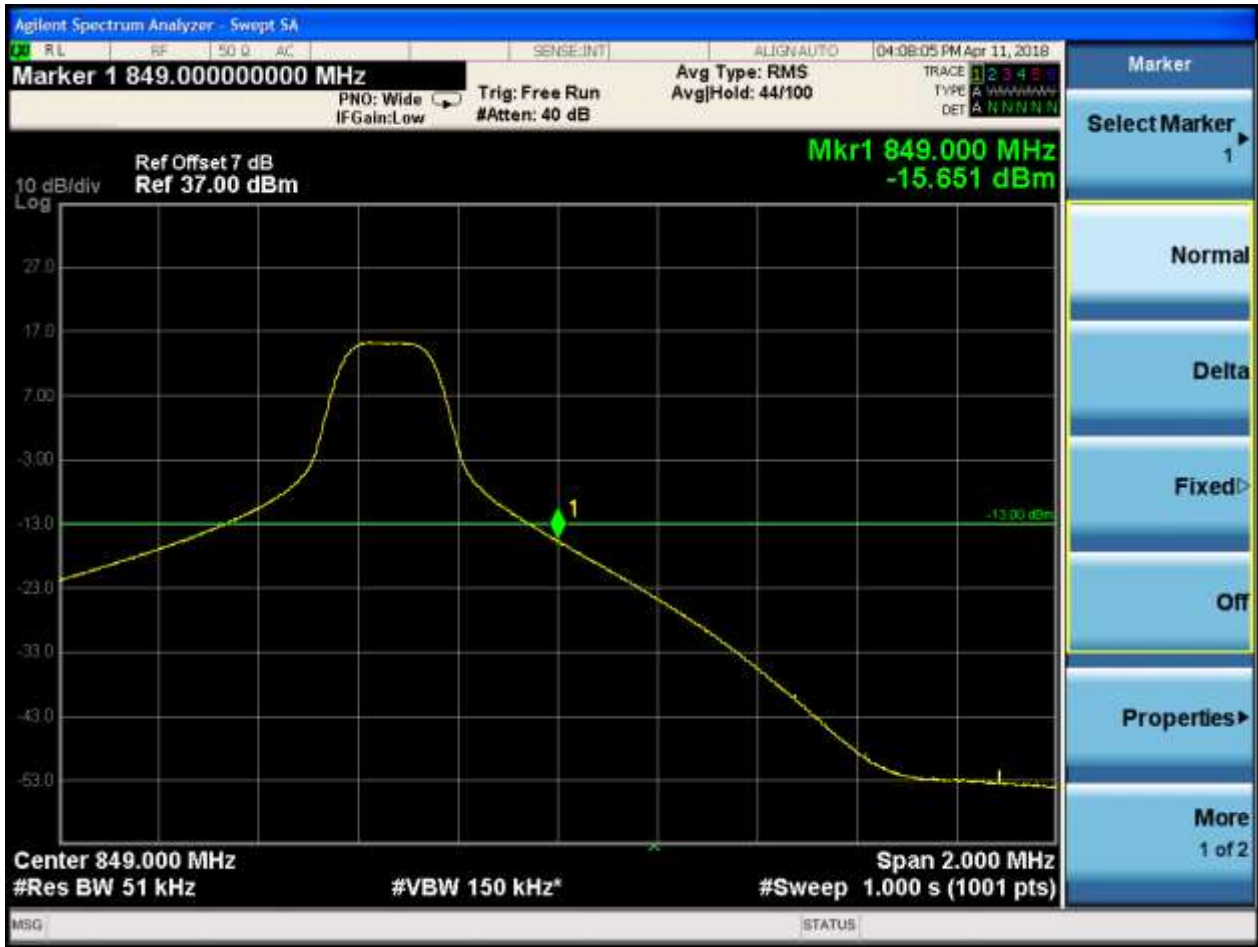
5.1.1.2.3.2 Test Channel = HCH

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

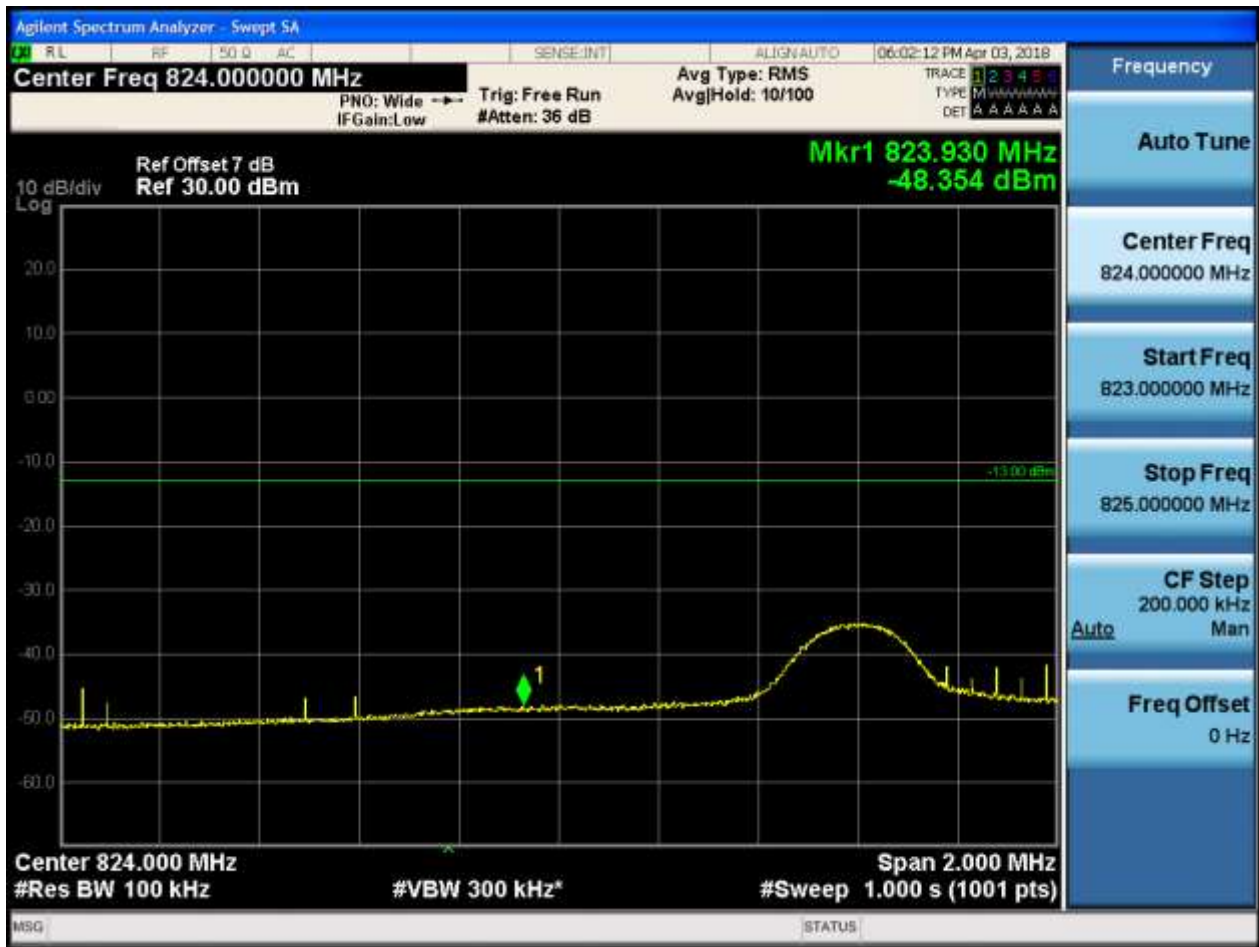
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





5.1.1.2.4.1.2 Test RB = RB1#49





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
-35.471 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



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



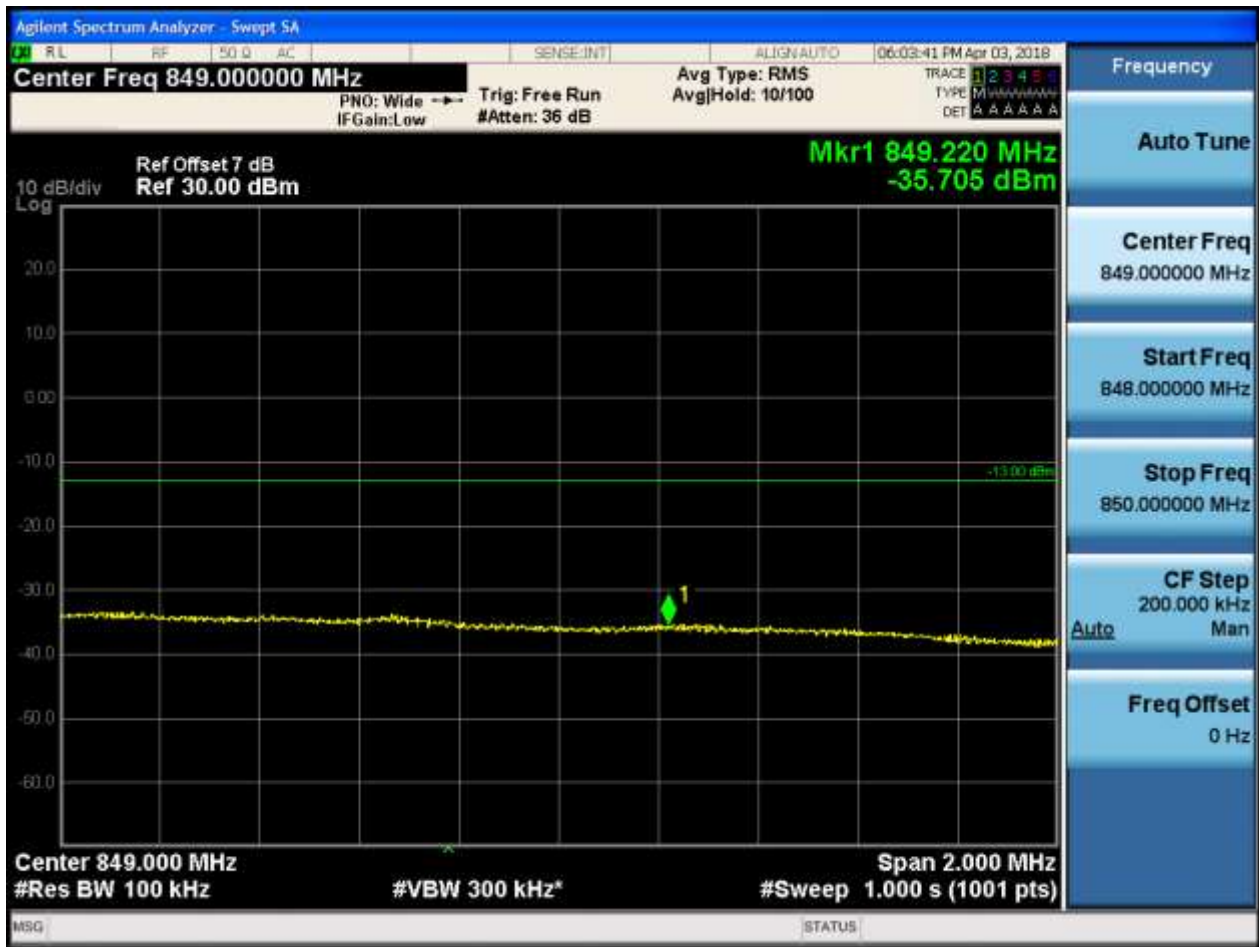


5.1.1.2.4.2.2 Test RB = RB1#49





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

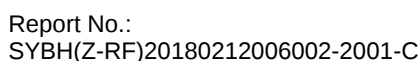
6.1.1 Test Band = BAND5

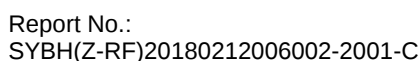
6.1.1.1 Test Mode = LTE/TM1

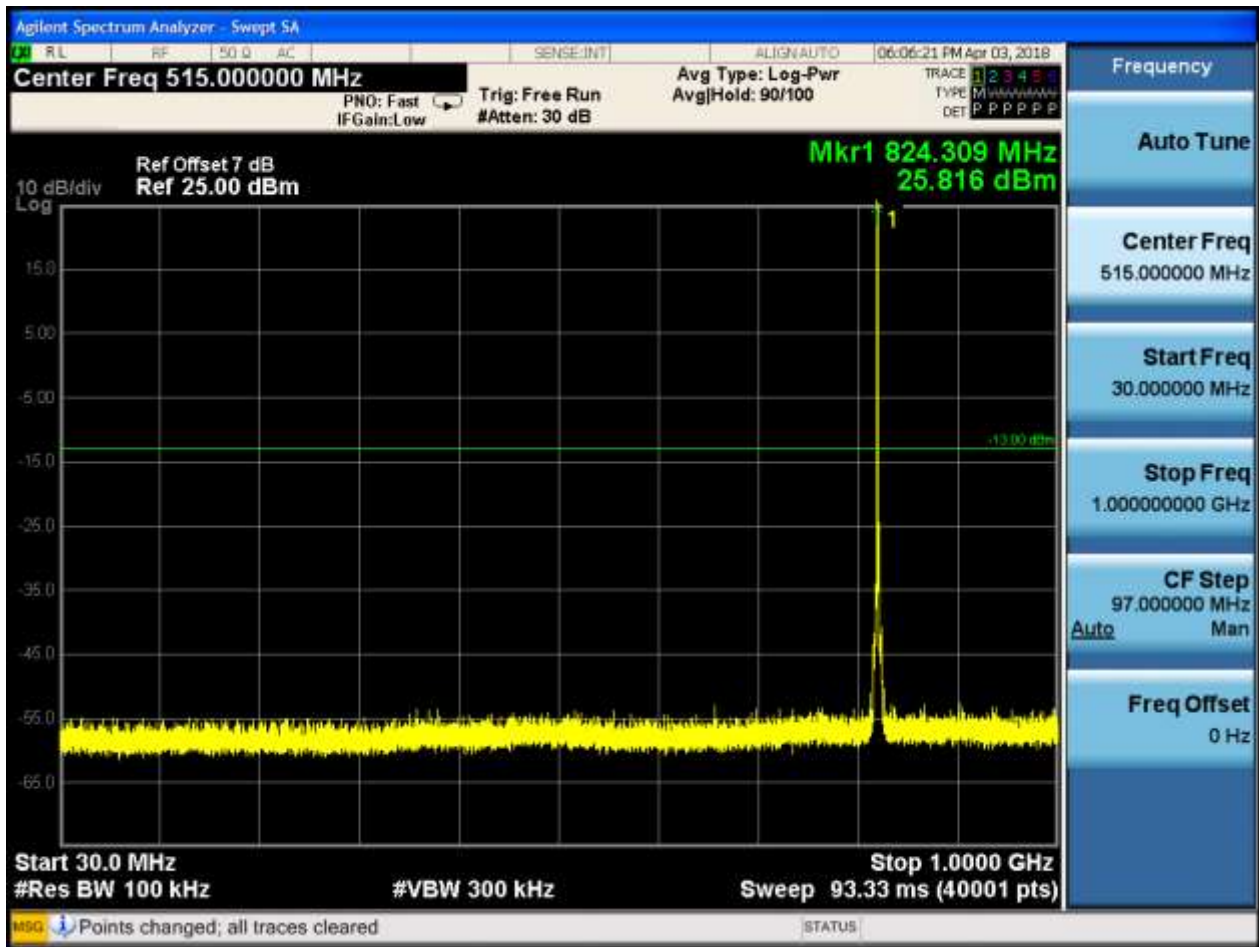
6.1.1.1.1 Test Bandwidth = 1.4

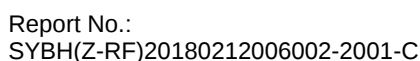
6.1.1.1.1.1 Test Channel = LCH

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



