



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]	EIRP[dBm]	Limit [dBm]	Verdict
BAND41	LTE/TM1	5	LCH	RB1#0	22.44	22.01	33	PASS
				RB1#13	22.4	22.28	33	PASS
				RB1#24	22.38	21.98	33	PASS
				RB12#0	21.25	21.02	33	PASS
				RB12#6	21.34	20.93	33	PASS
				RB12#13	21.31	20.98	33	PASS
				RB25#0	21.19	20.88	33	PASS
			MCH	RB1#0	22.26	21.85	33	PASS
				RB1#13	22.24	22.10	33	PASS
				RB1#24	22.14	22.06	33	PASS
				RB12#0	21.31	21.10	33	PASS
				RB12#6	21.32	21.08	33	PASS
				RB12#13	21.17	20.88	33	PASS
				RB25#0	21.28	21.01	33	PASS
			HCH	RB1#0	22.33	22.18	33	PASS
				RB1#13	22.4	22.02	33	PASS
				RB1#24	22.46	22.30	33	PASS
				RB12#0	21.36	20.94	33	PASS
				RB12#6	21.27	21.01	33	PASS
				RB12#13	21.4	21.13	33	PASS
				RB25#0	21.31	21.09	33	PASS
		10	LCH	RB1#0	22.19	21.86	33	PASS
				RB1#25	21.44	21.02	33	PASS
				RB1#49	22.18	21.88	33	PASS
				RB25#0	21.21	21.00	33	PASS
				RB25#13	21.28	21.16	33	PASS
				RB25#25	21.27	21.09	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			MCH	RB50#0	21.27	20.88	33	PASS
				RB1#0	22.26	21.78	33	PASS
				RB1#25	22.52	22.23	33	PASS
				RB1#49	22.36	22.15	33	PASS
				RB25#0	21.14	20.99	33	PASS
				RB25#13	21.16	20.88	33	PASS
				RB25#25	21.22	21.13	33	PASS
				RB50#0	21.16	20.74	33	PASS
				RB1#0	22.21	21.74	33	PASS
				RB1#25	22.46	22.35	33	PASS
				RB1#49	22.28	22.05	33	PASS
				RB25#0	21.33	21.11	33	PASS
				RB25#13	21.24	20.89	33	PASS
				RB25#25	21.26	21.01	33	PASS
				RB50#0	21.29	21.10	33	PASS
		15	LCH	RB1#0	22.15	21.95	33	PASS
				RB1#38	22.3	22.03	33	PASS
				RB1#74	22.18	21.92	33	PASS
				RB38#0	21.24	20.86	33	PASS
				RB38#19	21.36	21.14	33	PASS
				RB38#39	21.26	20.84	33	PASS
				RB75#0	21.16	20.98	33	PASS
			MCH	RB1#0	22.34	21.90	33	PASS
				RB1#38	22.42	22.24	33	PASS
				RB1#74	22.31	21.88	33	PASS
				RB38#0	21.23	20.75	33	PASS
				RB38#19	21.33	21.04	33	PASS
				RB38#39	21.28	21.00	33	PASS
				RB75#0	21.17	21.03	33	PASS
			HCH	RB1#0	22.22	21.99	33	PASS
				RB1#38	22.35	22.02	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#74	22.45	22.18	33	PASS
				RB38#0	21.3	21.09	33	PASS
				RB38#19	21.29	20.82	33	PASS
				RB38#39	21.34	21.12	33	PASS
				RB75#0	21.25	21.10	33	PASS
		20	LCH	RB1#0	22.13	21.65	33	PASS
				RB1#50	21.81	21.60	33	PASS
				RB1#99	22.37	22.13	33	PASS
				RB50#0	21.17	21.08	33	PASS
				RB50#25	21.16	20.89	33	PASS
				RB50#50	21.14	21.03	33	PASS
				RB100#0	21.07	20.93	33	PASS
			MCH	RB1#0	22.16	22.07	33	PASS
				RB1#50	21.25	20.88	33	PASS
				RB1#99	22.36	22.17	33	PASS
				RB50#0	21.22	21.02	33	PASS
				RB50#25	21.15	20.80	33	PASS
				RB50#50	21.21	20.74	33	PASS
				RB100#0	21.2	20.96	33	PASS
			HCH	RB1#0	22.15	21.70	33	PASS
				RB1#50	21.99	21.54	33	PASS
				RB1#99	22.54	22.27	33	PASS
				RB50#0	21.38	20.90	33	PASS
				RB50#25	21.26	21.08	33	PASS
				RB50#50	21.3	20.92	33	PASS
				RB100#0	21.27	21.09	33	PASS
	LTE/TM2	5	LCH	RB1#0	21.48	21.30	33	PASS
				RB1#13	21.48	21.27	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#24	21.56	21.40	33	PASS
				RB12#0	20.29	20.06	33	PASS
				RB12#6	20.19	19.94	33	PASS
				RB12#13	20.25	19.96	33	PASS
				RB25#0	20	19.62	33	PASS
			MCH	RB1#0	21.44	21.33	33	PASS
				RB1#13	21.5	21.23	33	PASS
				RB1#24	21.3	21.06	33	PASS
				RB12#0	20.23	20.06	33	PASS
				RB12#6	20.16	19.75	33	PASS
				RB12#13	20.23	20.07	33	PASS
				RB25#0	20.17	19.91	33	PASS
			HCH	RB1#0	21.69	21.45	33	PASS
				RB1#13	21.68	21.33	33	PASS
				RB1#24	21.7	21.57	33	PASS
				RB12#0	20.39	19.93	33	PASS
				RB12#6	20.41	20.23	33	PASS
				RB12#13	20.37	19.89	33	PASS
				RB25#0	20.32	19.94	33	PASS
		10	LCH	RB1#0	21.39	21.22	33	PASS
				RB1#25	21.51	21.04	33	PASS
				RB1#49	21.4	21.18	33	PASS
				RB25#0	20.17	19.76	33	PASS
				RB25#13	20.12	20.01	33	PASS
				RB25#25	20.1	19.77	33	PASS
				RB50#0	20.2	19.93	33	PASS
			MCH	RB1#0	21.35	21.16	33	PASS
				RB1#25	20.91	20.60	33	PASS
				RB1#49	21.38	20.93	33	PASS
				RB25#0	20.14	19.98	33	PASS
				RB25#13	20.09	19.91	33	PASS
				RB25#25	20.12	19.68	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			HCH	RB50#0	20.07	19.75	33	PASS
				RB1#0	21.78	21.69	33	PASS
				RB1#25	21.73	21.37	33	PASS
				RB1#49	21.8	21.51	33	PASS
				RB25#0	20.27	20.04	33	PASS
				RB25#13	20.35	19.94	33	PASS
				RB25#25	20.35	20.11	33	PASS
				RB50#0	20.22	19.83	33	PASS
			LCH	RB1#0	21.34	21.05	33	PASS
				RB1#38	21.37	20.89	33	PASS
				RB1#74	21.11	21.00	33	PASS
				RB38#0	20.16	19.71	33	PASS
				RB38#19	20.2	19.84	33	PASS
				RB38#39	20.09	19.97	33	PASS
				RB75#0	20.08	19.72	33	PASS
			MCH	RB1#0	21.36	21.07	33	PASS
				RB1#38	21.3	20.90	33	PASS
				RB1#74	21.15	20.91	33	PASS
				RB38#0	20.12	19.90	33	PASS
				RB38#19	20.03	19.61	33	PASS
				RB38#39	20.05	19.92	33	PASS
				RB75#0	20.08	19.69	33	PASS
		HCH	HCH	RB1#0	21.73	21.42	33	PASS
				RB1#38	21.69	21.37	33	PASS
				RB1#74	21.74	21.38	33	PASS
				RB38#0	20.27	20.11	33	PASS
				RB38#19	20.25	19.88	33	PASS
				RB38#39	20.32	20.07	33	PASS
				RB75#0	20.26	20.09	33	PASS
		20	LCH	RB1#0	21.14	20.99	33	PASS
				RB1#50	20.75	20.34	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#99	21.3	21.00	33	PASS
				RB50#0	20.09	19.75	33	PASS
				RB50#25	19.98	19.50	33	PASS
				RB50#50	20.11	19.65	33	PASS
				RB100#0	20.17	19.88	33	PASS
			MCH	RB1#0	21.34	21.05	33	PASS
				RB1#50	21.06	20.65	33	PASS
				RB1#99	21.56	21.44	33	PASS
				RB50#0	20.18	20.05	33	PASS
				RB50#25	20.1	19.89	33	PASS
				RB50#50	20.04	19.64	33	PASS
				RB100#0	20.11	19.67	33	PASS
			HCH	RB1#0	21.06	20.96	33	PASS
				RB1#50	20.73	20.45	33	PASS
				RB1#99	21.46	21.07	33	PASS
				RB50#0	20.3	19.98	33	PASS
				RB50#25	20.25	20.10	33	PASS
				RB50#50	20.26	19.83	33	PASS
				RB100#0	20.27	20.16	33	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:

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

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

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
BAND41	LTE/TM1	5	LCH	RB1#0	5.31	13	PASS
				RB1#13	5.21	13	PASS
				RB1#24	5.25	13	PASS
				RB12#0	6.69	13	PASS
				RB12#6	6.92	13	PASS
				RB12#13	6.57	13	PASS
				RB25#0	6.06	13	PASS
			MCH	RB1#0	5.19	13	PASS
				RB1#13	5.18	13	PASS
				RB1#24	5.18	13	PASS
				RB12#0	6.42	13	PASS
				RB12#6	6.47	13	PASS
				RB12#13	6.4	13	PASS
				RB25#0	6.21	13	PASS
			HCH	RB1#0	5	13	PASS
				RB1#13	4.96	13	PASS
				RB1#24	4.97	13	PASS
				RB12#0	6.52	13	PASS
				RB12#6	6.47	13	PASS
				RB12#13	6.51	13	PASS
				RB25#0	6.39	13	PASS
		10	LCH	RB1#0	5.89	13	PASS
				RB1#25	5.98	13	PASS
				RB1#49	5.89	13	PASS
				RB25#0	6.55	13	PASS
				RB25#13	6.56	13	PASS
				RB25#25	6.57	13	PASS
				RB50#0	6.49	13	PASS
			MCH	RB1#0	4.94	13	PASS
				RB1#25	4.96	13	PASS
				RB1#49	5.11	13	PASS
				RB25#0	6.78	13	PASS
				RB25#13	6.78	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	6.8	13	PASS
				RB50#0	6.8	13	PASS
			HCH	RB1#0	5.4	13	PASS
				RB1#25	5.44	13	PASS
				RB1#49	5.44	13	PASS
				RB25#0	6.23	13	PASS
				RB25#13	6.18	13	PASS
				RB25#25	6.27	13	PASS
				RB50#0	6.41	13	PASS
		15	LCH	RB1#0	5.61	13	PASS
				RB1#38	5.64	13	PASS
				RB1#74	5.67	13	PASS
				RB38#0	6.76	13	PASS
				RB38#19	6.69	13	PASS
				RB38#39	6.68	13	PASS
				RB75#0	6.89	13	PASS
			MCH	RB1#0	4.65	13	PASS
				RB1#38	4.58	13	PASS
				RB1#74	4.71	13	PASS
				RB38#0	6.91	13	PASS
				RB38#19	6.96	13	PASS
				RB38#39	7.1	13	PASS
				RB75#0	6.69	13	PASS
			HCH	RB1#0	5.6	13	PASS
				RB1#38	5.52	13	PASS
				RB1#74	5.54	13	PASS
				RB38#0	6.41	13	PASS
				RB38#19	6.33	13	PASS
				RB38#39	6.34	13	PASS
				RB75#0	6.85	13	PASS
		20	LCH	RB1#0	5.71	13	PASS
				RB1#50	5.67	13	PASS
				RB1#99	5.53	13	PASS
				RB50#0	6.7	13	PASS
				RB50#25	6.61	13	PASS
				RB50#50	6.63	13	PASS
				RB100#0	6.83	13	PASS
			MCH	RB1#0	5.69	13	PASS
				RB1#50	5.7	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	5.82	13	PASS
				RB50#0	6.69	13	PASS
				RB50#25	6.67	13	PASS
				RB50#50	6.81	13	PASS
				RB100#0	6.87	13	PASS
			HCH	RB1#0	5.02	13	PASS
				RB1#50	5.03	13	PASS
				RB1#99	4.99	13	PASS
				RB50#0	6.39	13	PASS
				RB50#25	6.39	13	PASS
				RB50#50	6.49	13	PASS
				RB100#0	6.7	13	PASS
	LTE/TM2	5	LCH	RB1#0	6.87	13	PASS
				RB1#13	6.8	13	PASS
				RB1#24	6.86	13	PASS
				RB12#0	7.54	13	PASS
				RB12#6	7.56	13	PASS
				RB12#13	7.5	13	PASS
				RB25#0	7.05	13	PASS
			MCH	RB1#0	5.76	13	PASS
				RB1#13	5.66	13	PASS
				RB1#24	5.76	13	PASS
				RB12#0	7.23	13	PASS
				RB12#6	7.25	13	PASS
				RB12#13	7.26	13	PASS
				RB25#0	7.41	13	PASS
			HCH	RB1#0	5.86	13	PASS
				RB1#13	5.82	13	PASS
				RB1#24	5.87	13	PASS
				RB12#0	7.24	13	PASS
				RB12#6	7.28	13	PASS
				RB12#13	7.32	13	PASS
				RB25#0	7.59	13	PASS
		10	LCH	RB1#0	5.8	13	PASS
				RB1#25	5.74	13	PASS
				RB1#49	5.83	13	PASS
				RB25#0	7.68	13	PASS
				RB25#13	7.79	13	PASS
				RB25#25	7.8	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	7.15	13	PASS
			MCH	RB1#0	6.58	13	PASS
				RB1#25	6.68	13	PASS
				RB1#49	6.68	13	PASS
				RB25#0	7.32	13	PASS
				RB25#13	7.45	13	PASS
				RB25#25	7.53	13	PASS
				RB50#0	7.49	13	PASS
			HCH	RB1#0	5.65	13	PASS
				RB1#25	5.69	13	PASS
				RB1#49	5.67	13	PASS
				RB25#0	7.46	13	PASS
				RB25#13	7.47	13	PASS
				RB25#25	7.53	13	PASS
				RB50#0	7.44	13	PASS
		15	LCH	RB1#0	6.09	13	PASS
				RB1#38	6	13	PASS
				RB1#74	6.03	13	PASS
				RB38#0	7.55	13	PASS
				RB38#19	7.47	13	PASS
				RB38#39	7.45	13	PASS
				RB75#0	7.43	13	PASS
			MCH	RB1#0	5.57	13	PASS
				RB1#38	5.59	13	PASS
				RB1#74	5.71	13	PASS
				RB38#0	6.98	13	PASS
				RB38#19	7	13	PASS
				RB38#39	7.07	13	PASS
				RB75#0	7.59	13	PASS
			HCH	RB1#0	5.82	13	PASS
				RB1#38	5.74	13	PASS
				RB1#74	5.88	13	PASS
				RB38#0	7.24	13	PASS
				RB38#19	7.11	13	PASS
				RB38#39	7.06	13	PASS
				RB75#0	8.02	13	PASS
		20	LCH	RB1#0	6.02	13	PASS
				RB1#50	5.98	13	PASS
				RB1#99	5.87	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	7.67	13	PASS
				RB50#25	7.52	13	PASS
				RB50#50	7.62	13	PASS
				RB100#0	7.83	13	PASS
			MCH	RB1#0	5.51	13	PASS
				RB1#50	5.6	13	PASS
				RB1#99	5.57	13	PASS
				RB50#0	7.19	13	PASS
				RB50#25	7.1	13	PASS
				RB50#50	7.1	13	PASS
				RB100#0	7.76	13	PASS
			HCH	RB1#0	6.05	13	PASS
				RB1#50	6.04	13	PASS
				RB1#99	6	13	PASS
				RB50#0	7.32	13	PASS
				RB50#25	7.26	13	PASS
				RB50#50	7.25	13	PASS
				RB100#0	7.6	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

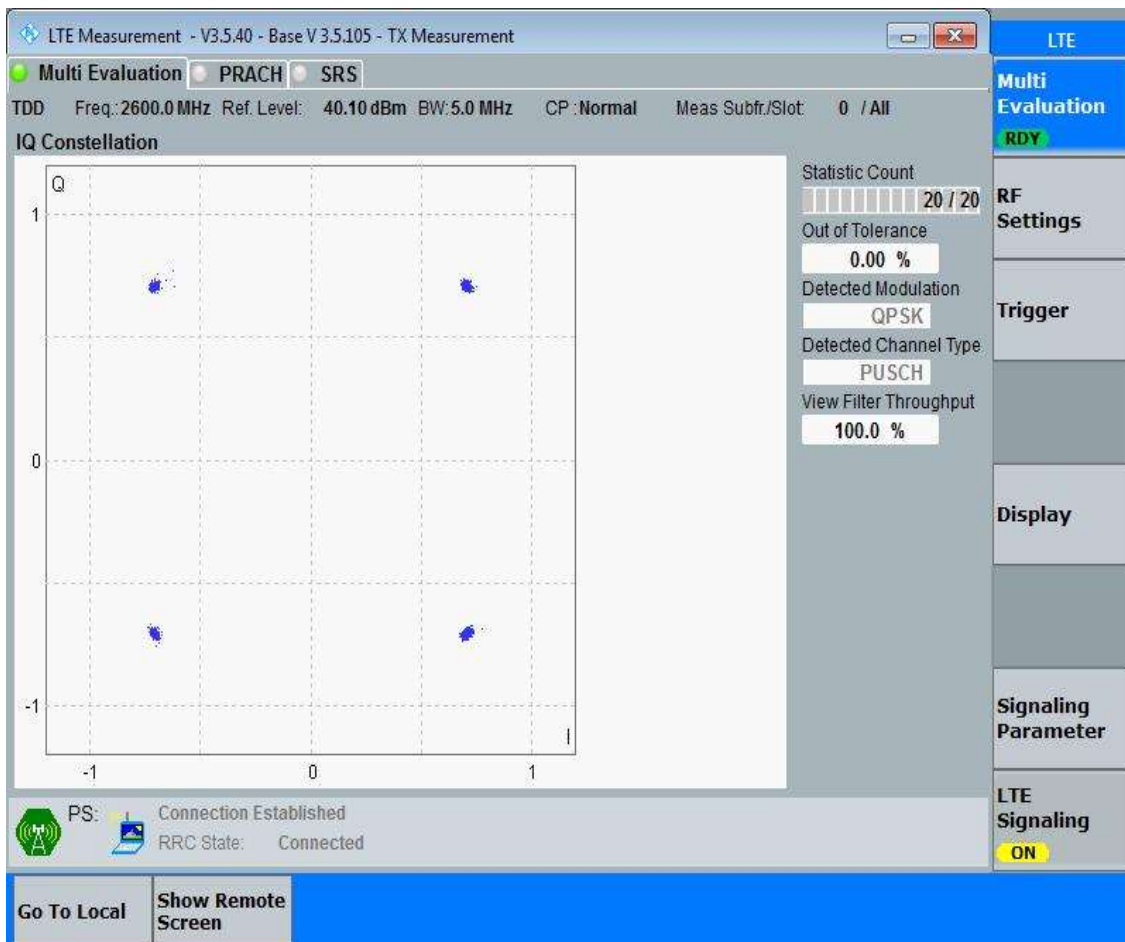
3.1.1 Test Band = BAND41

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

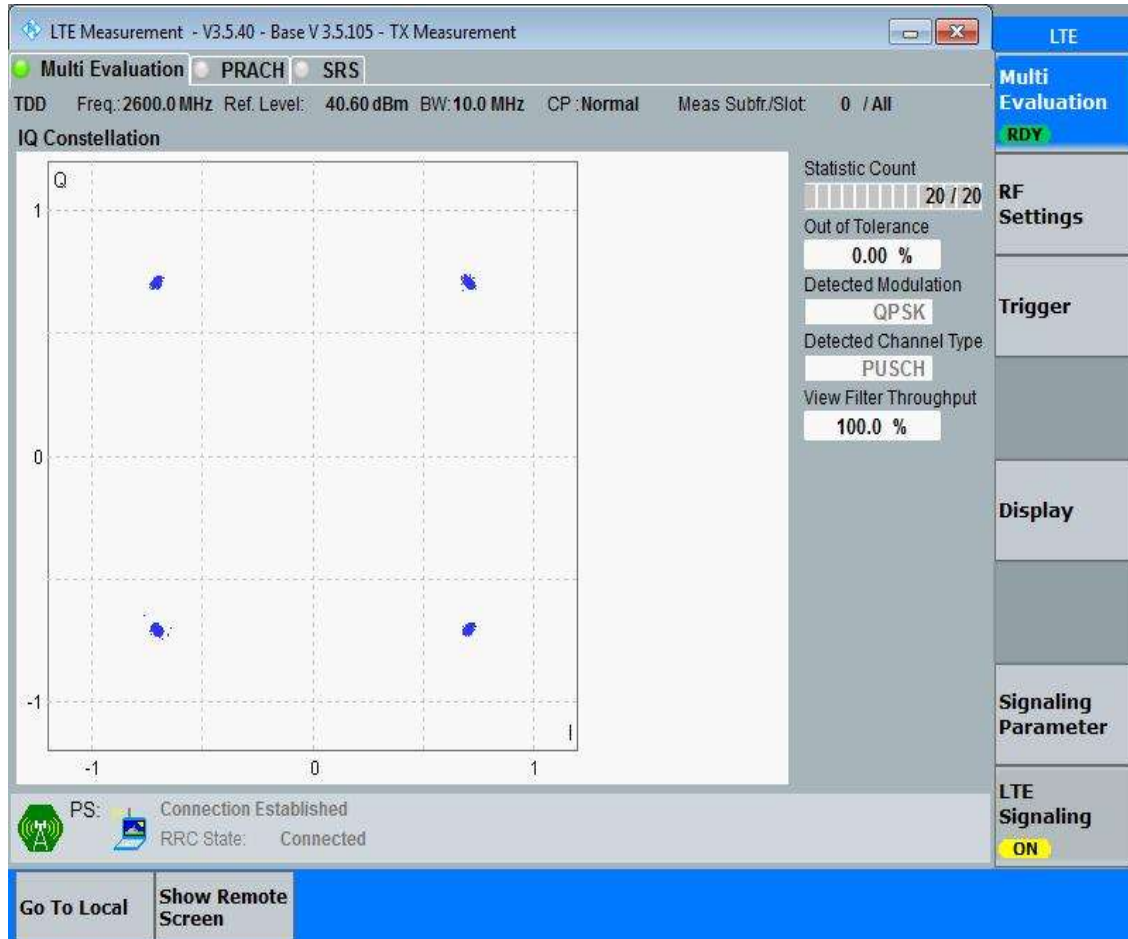
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

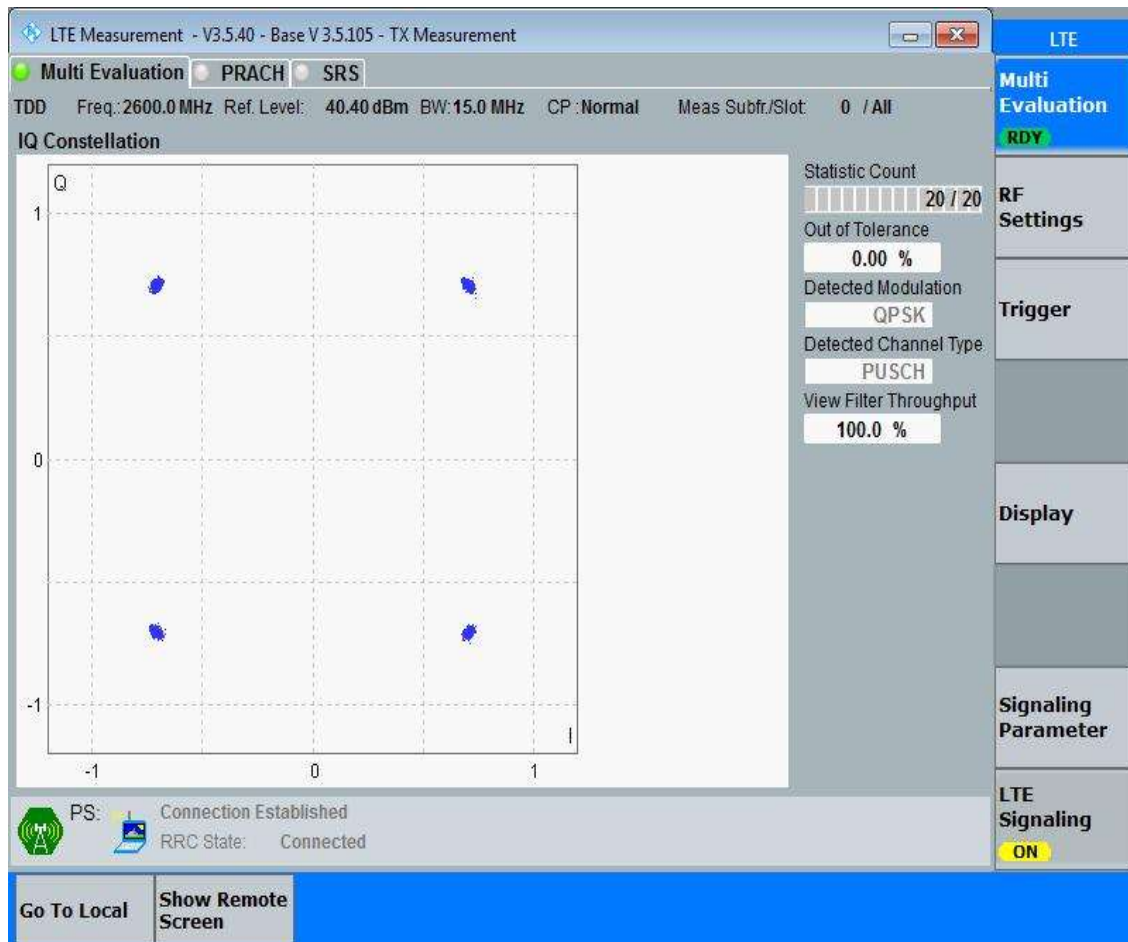
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

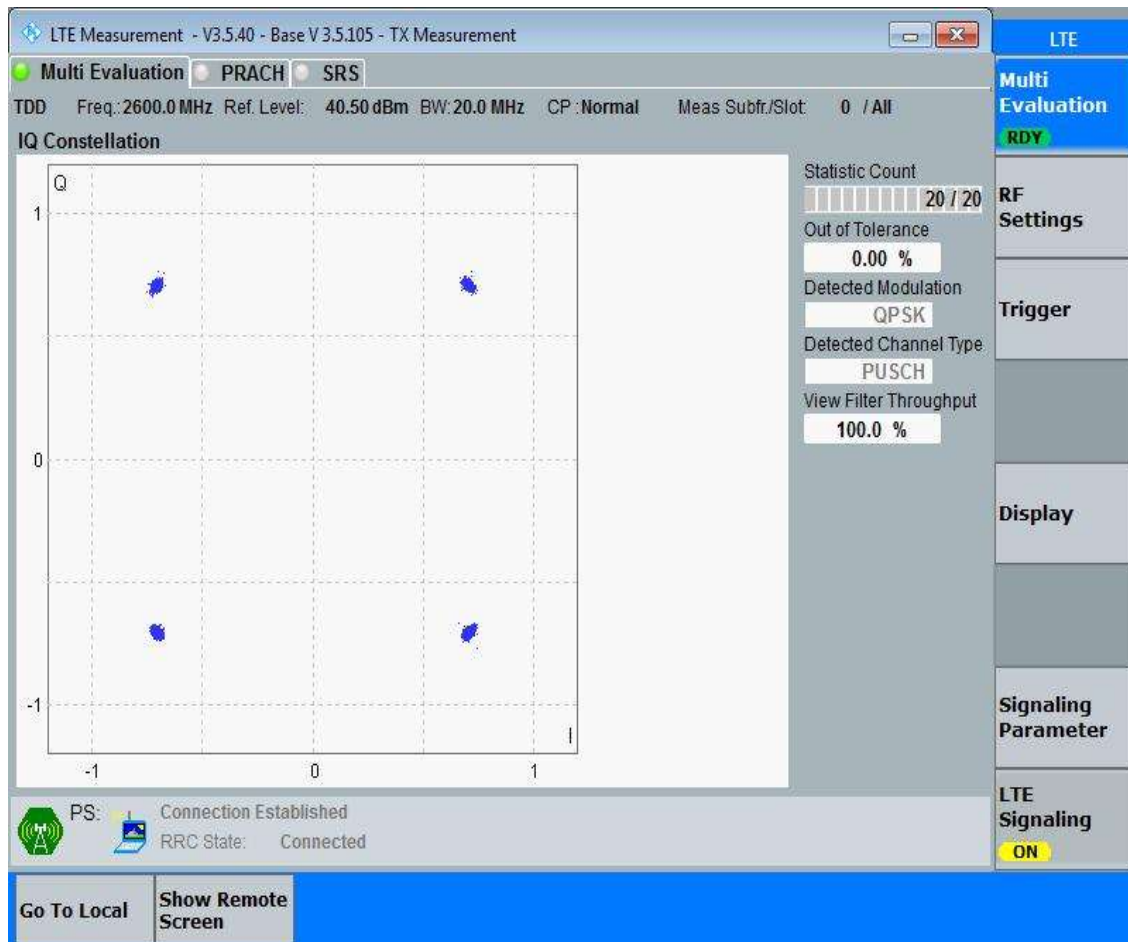
3.1.1.1.3.1.1 Test RB = RB75#0



3.1.1.1.4 Test Bandwidth = 20

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB100#0

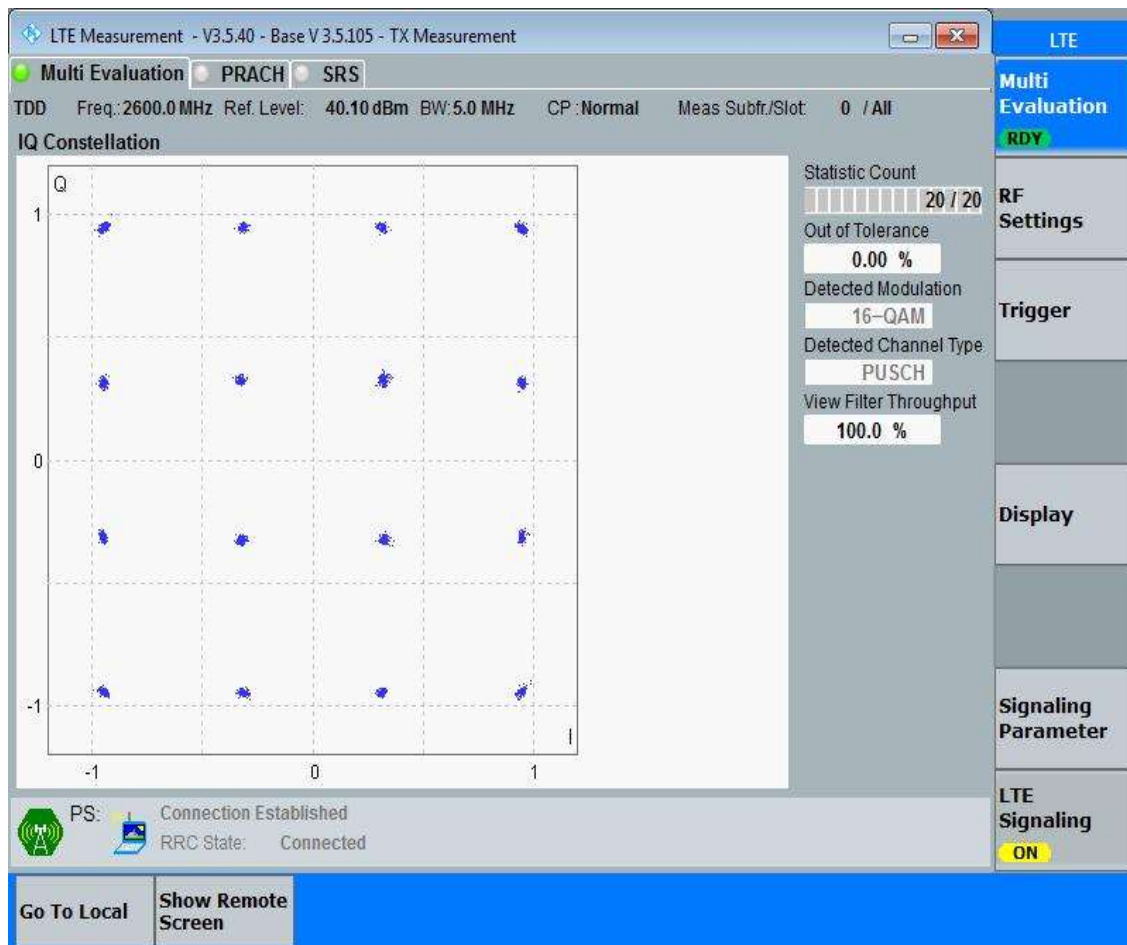


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

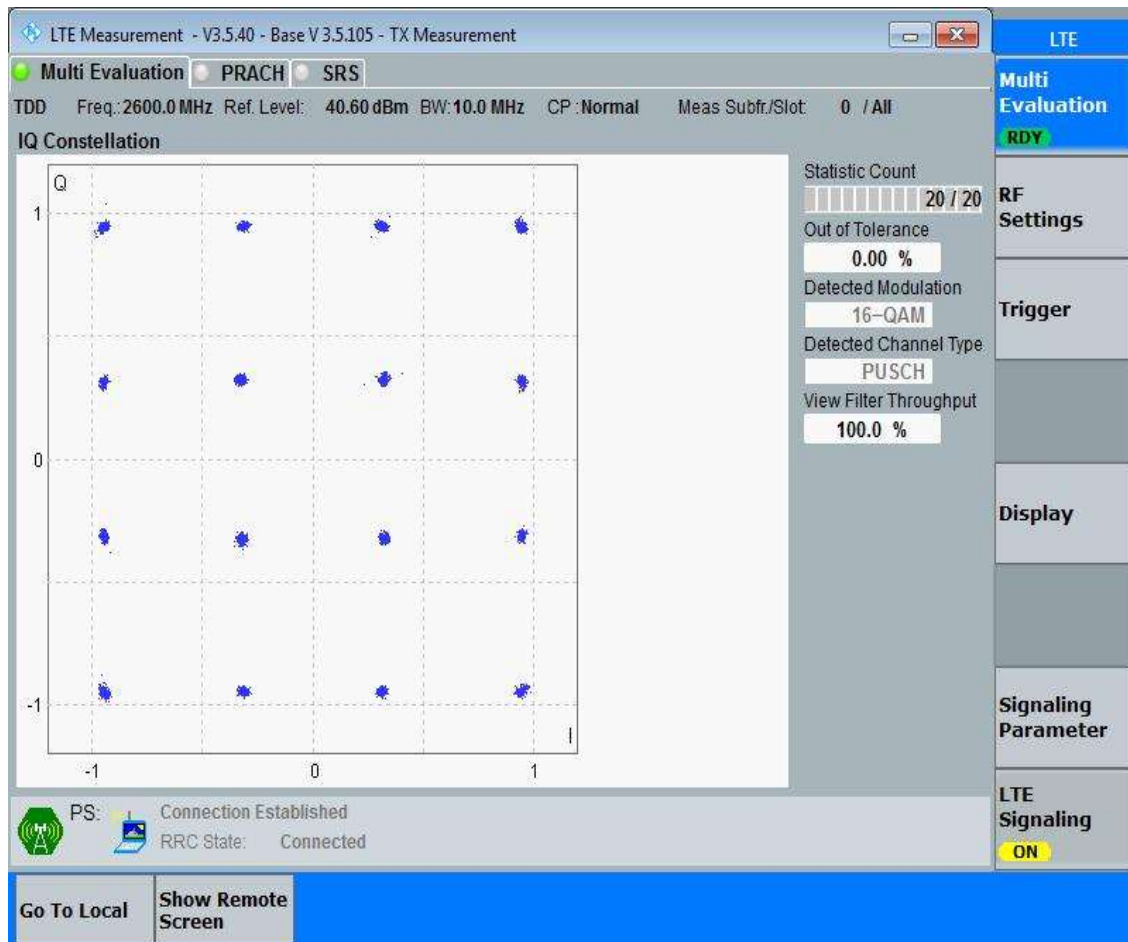
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

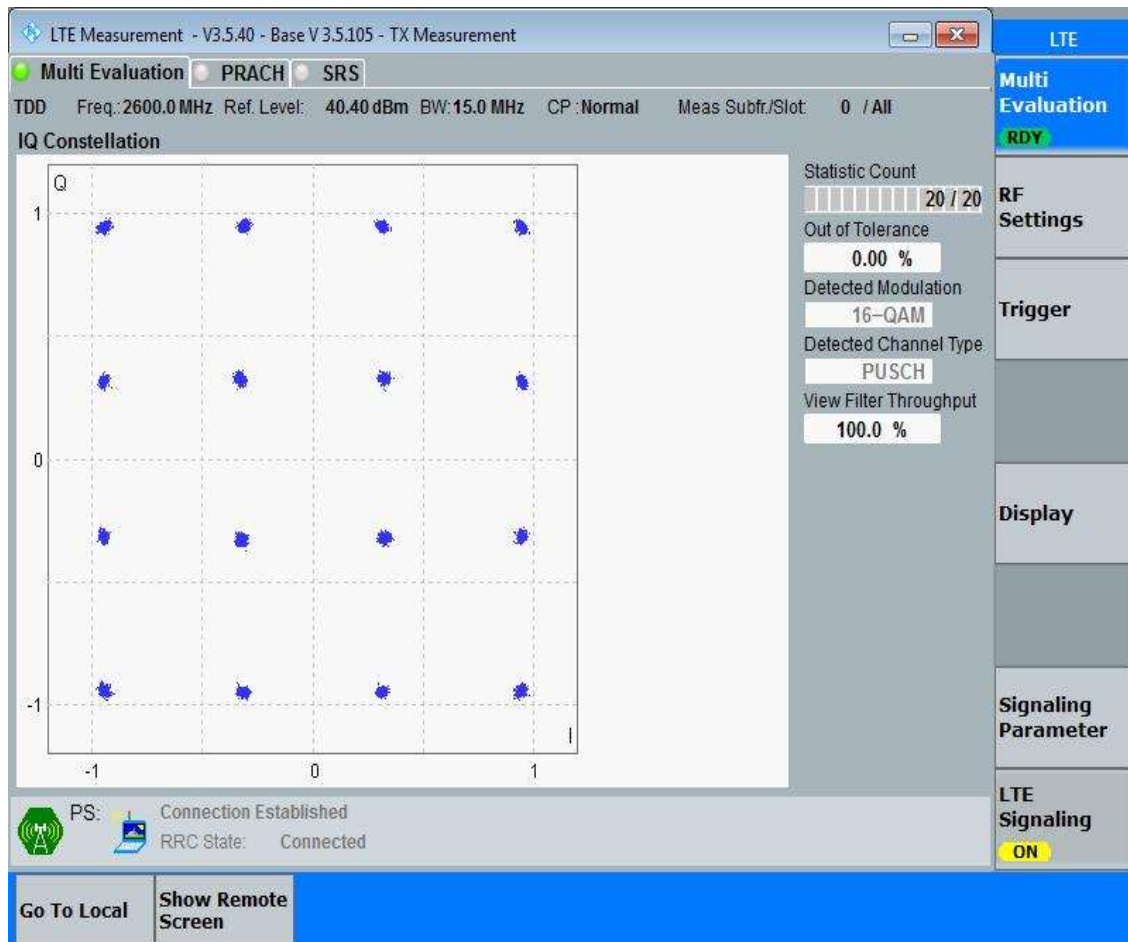
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

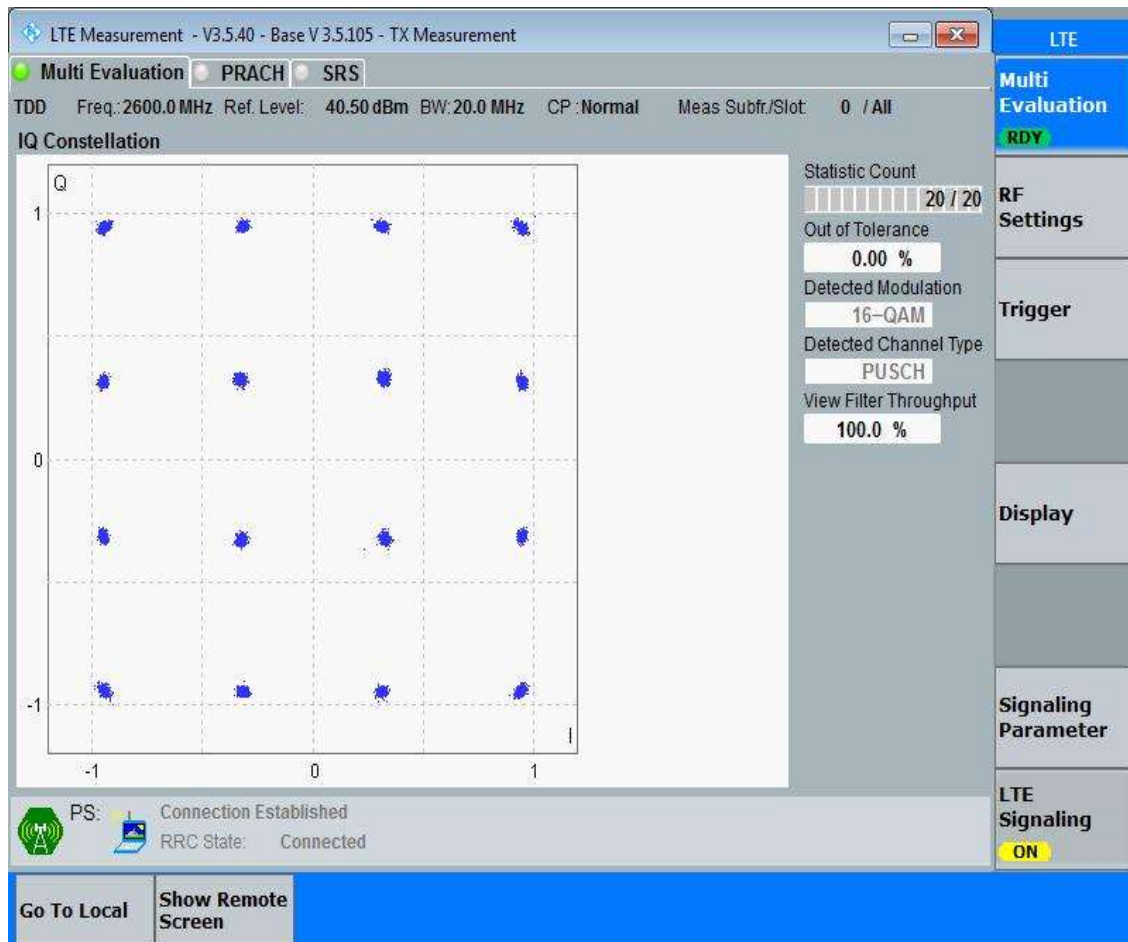
3.1.1.2.3.1.1 Test RB = RB75#0



3.1.1.2.4 Test Bandwidth = 20

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB100#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
BAND4 1	LTE/TM1	5	LCH	RB25#0	4.49	4.97	Pass
			MCH	RB25#0	4.53	5.04	Pass
			HCH	RB25#0	4.50	5.05	Pass
		10	LCH	RB50#0	9.00	9.85	Pass
			MCH	RB50#0	8.97	9.86	Pass
			HCH	RB50#0	8.99	9.90	Pass
		15	LCH	RB75#0	13.46	14.93	Pass
			MCH	RB75#0	13.48	14.86	Pass
			HCH	RB75#0	13.47	14.88	Pass
		20	LCH	RB100#0	17.98	19.59	Pass
			MCH	RB100#0	18.02	19.73	Pass
			HCH	RB100#0	18.01	19.73	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	5.10	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.51	4.94	Pass
		10	LCH	RB50#0	9.00	9.92	Pass
			MCH	RB50#0	9.02	9.85	Pass
			HCH	RB50#0	8.98	9.88	Pass
		15	LCH	RB75#0	13.48	14.96	Pass
			MCH	RB75#0	13.50	14.87	Pass
			HCH	RB75#0	13.49	14.99	Pass
		20	LCH	RB100#0	17.94	19.65	Pass
			MCH	RB100#0	18.04	19.69	Pass
			HCH	RB100#0	17.99	19.83	Pass

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND41

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0



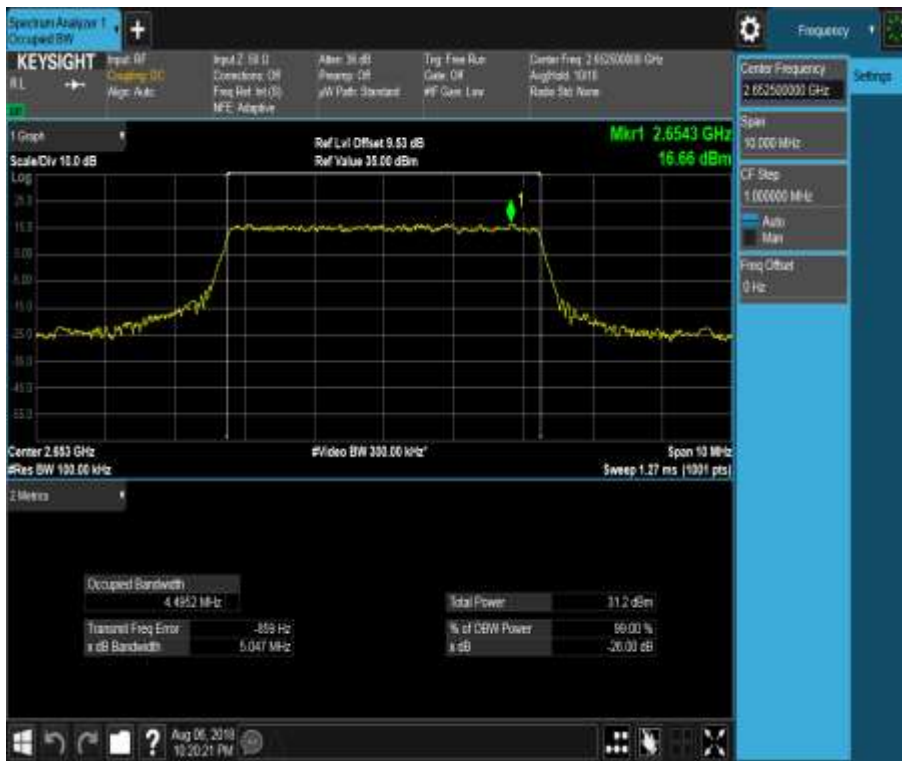
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB25#0



4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0



4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

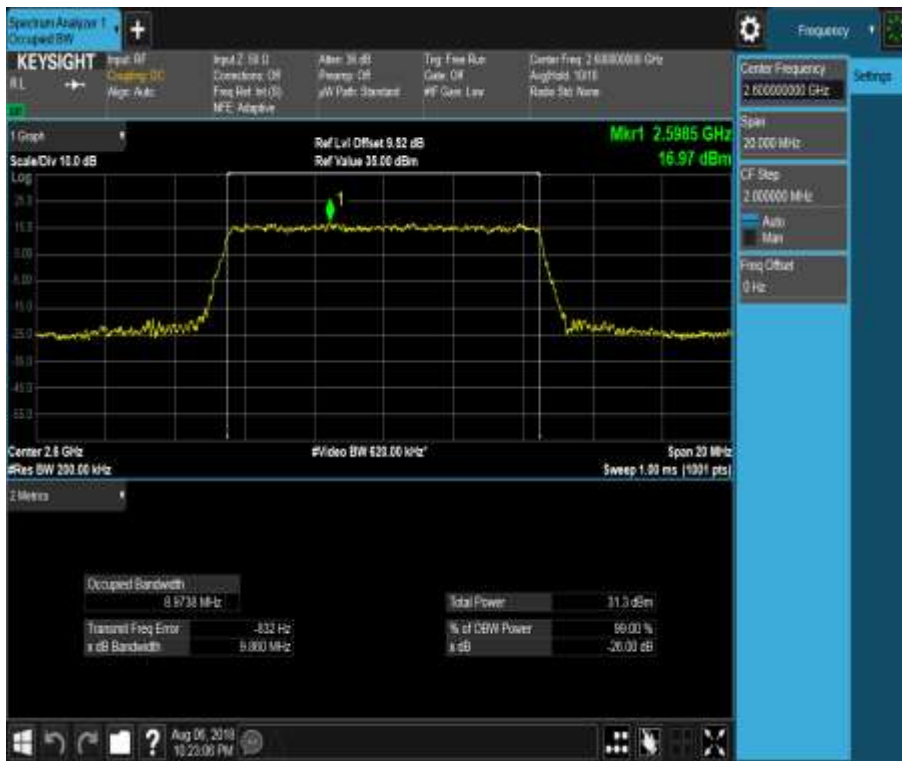
4.1.1.1.2.1.1 Test RB = RB50#0





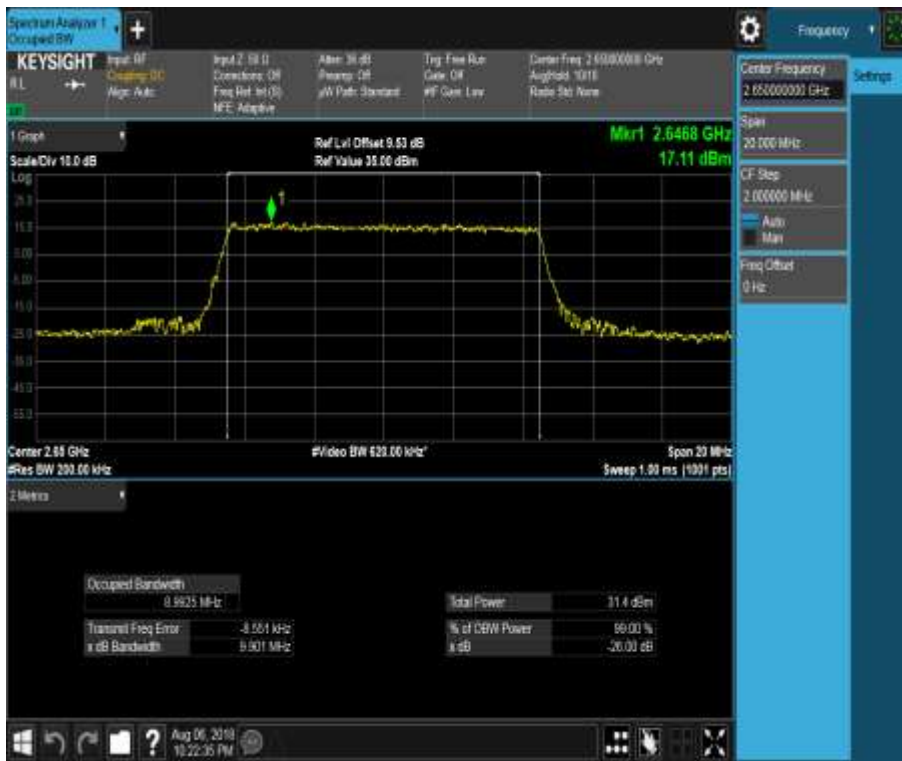
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB50#0



4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



4.1.1.1.3 Test Bandwidth = 15

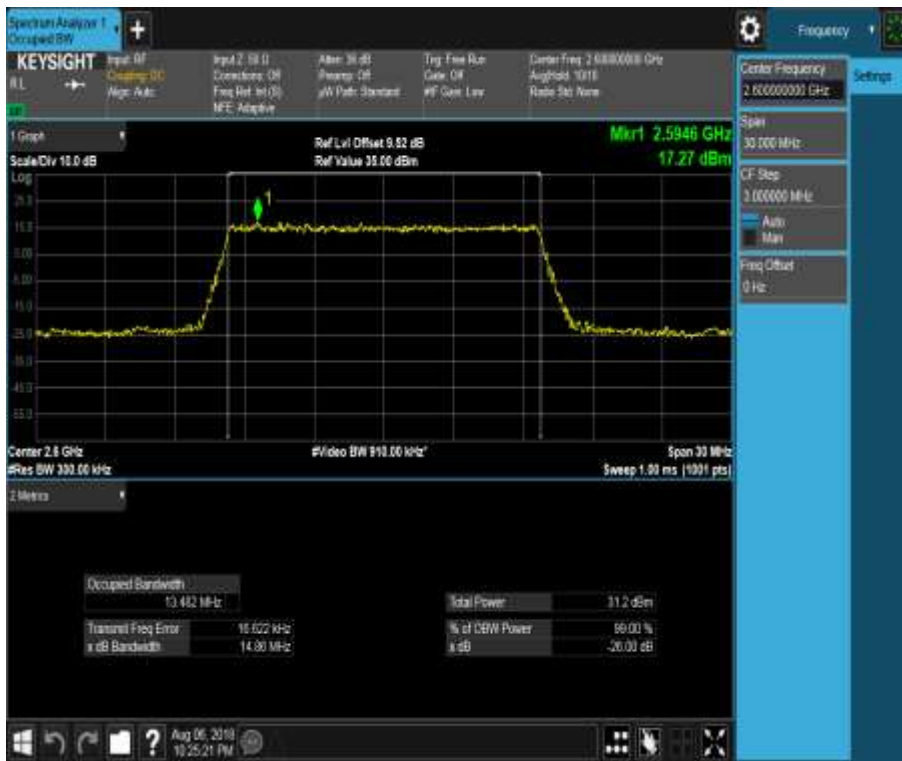
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB75#0



4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB75#0



4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB75#0



4.1.1.1.4 Test Bandwidth = 20

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB100#0



4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB100#0



4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB100#0





4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

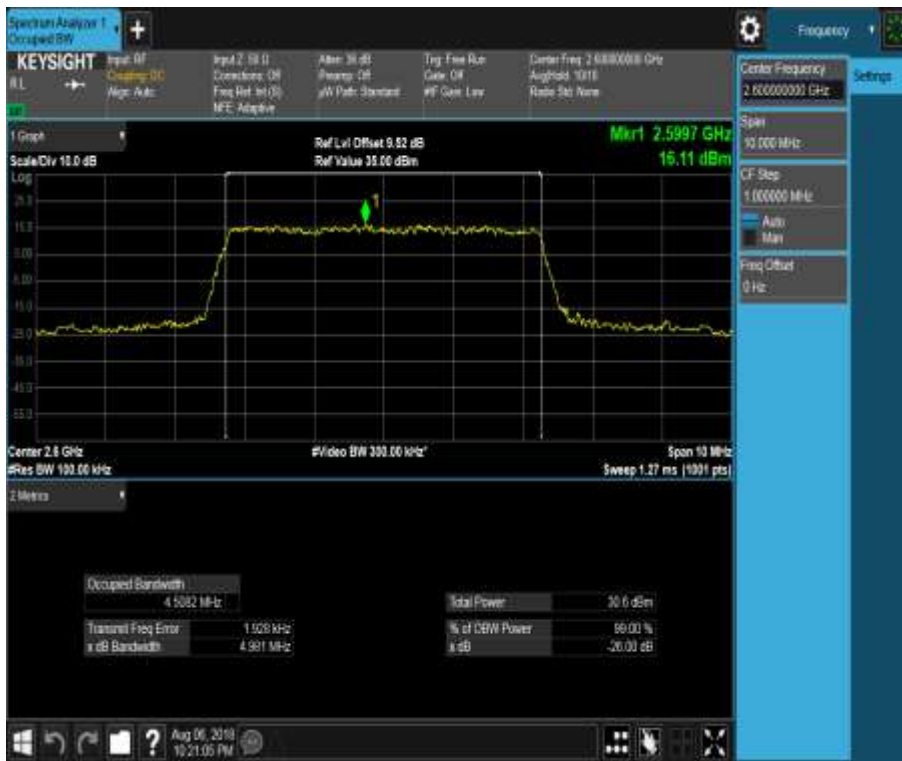
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB25#0



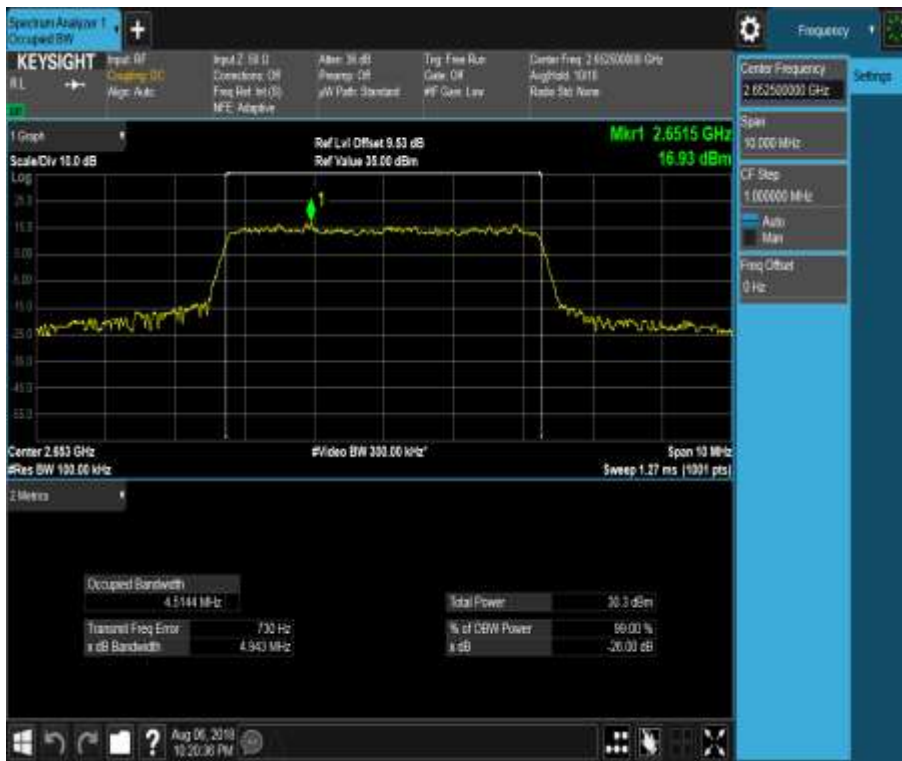
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB25#0



4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0



4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0



4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB50#0



4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0



4.1.1.2.3 Test Bandwidth = 15

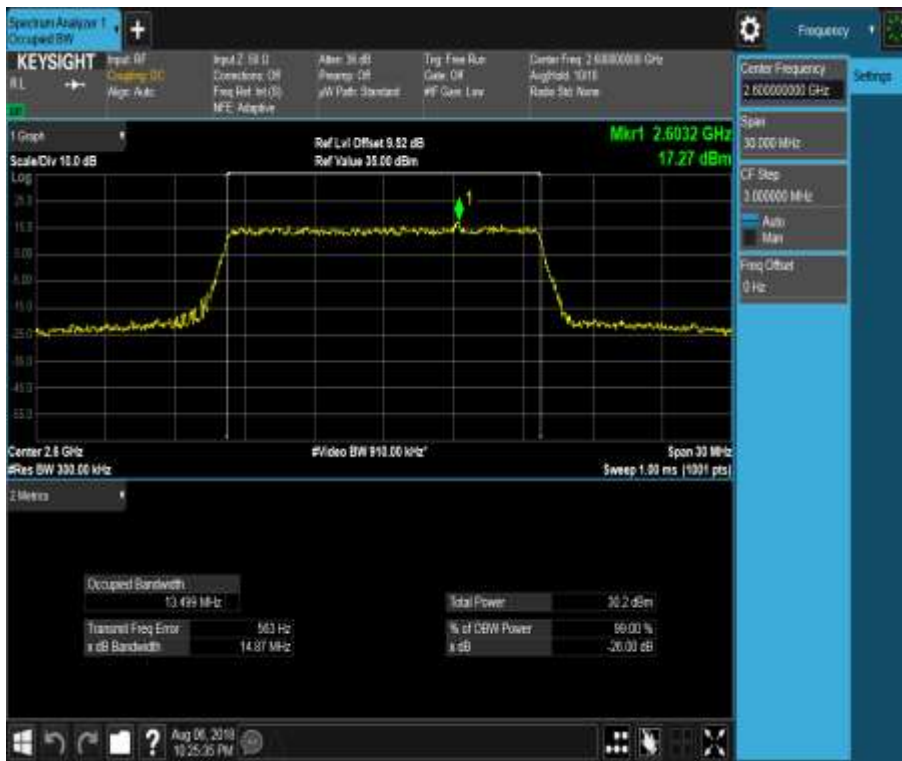
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB75#0



4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB75#0



4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB75#0



4.1.1.2.4 Test Bandwidth = 20

4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB100#0



4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB100#0



4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

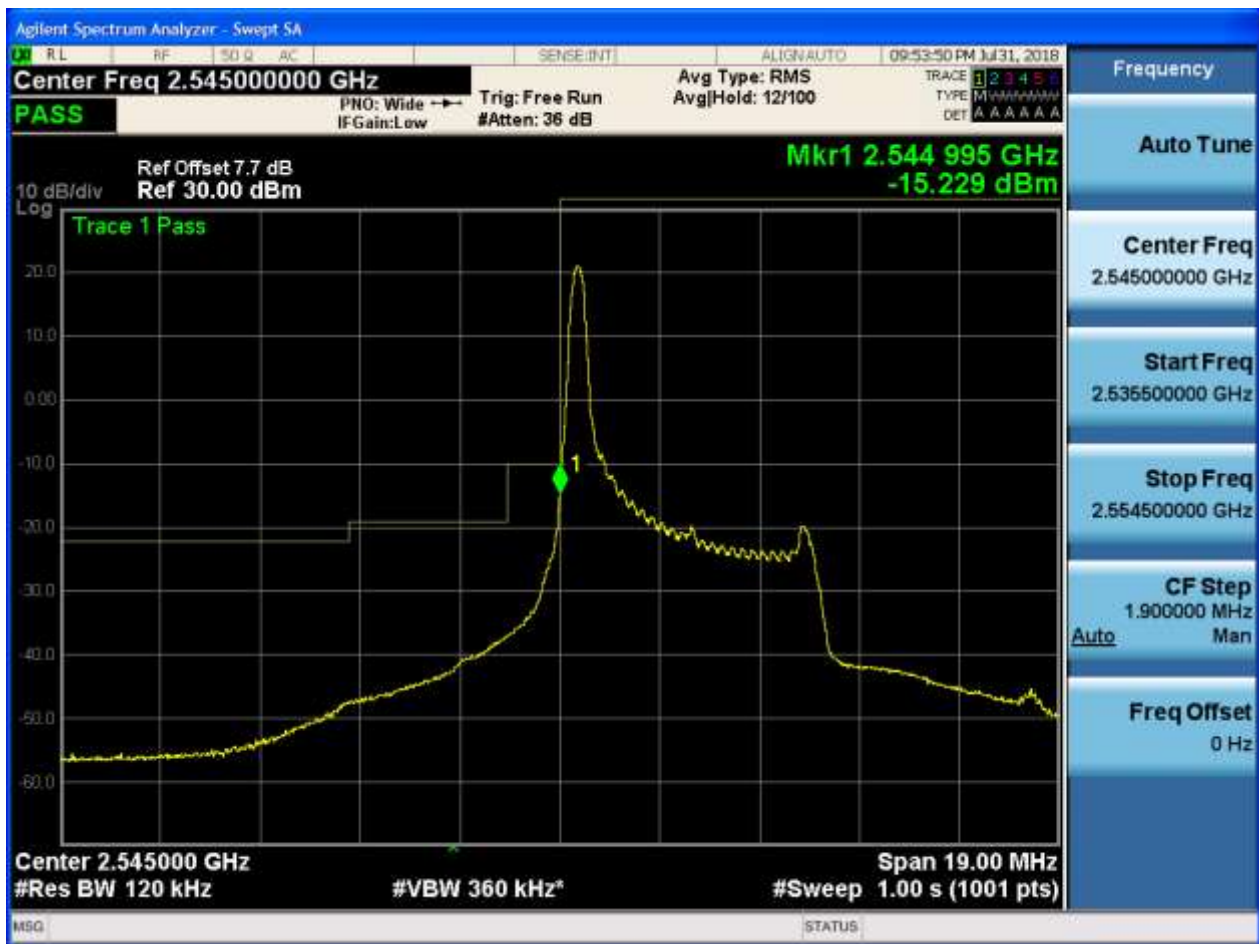
5.1.1 Test Band = BAND41

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

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#24





5.1.1.1.1.3 Test RB = RB12#6



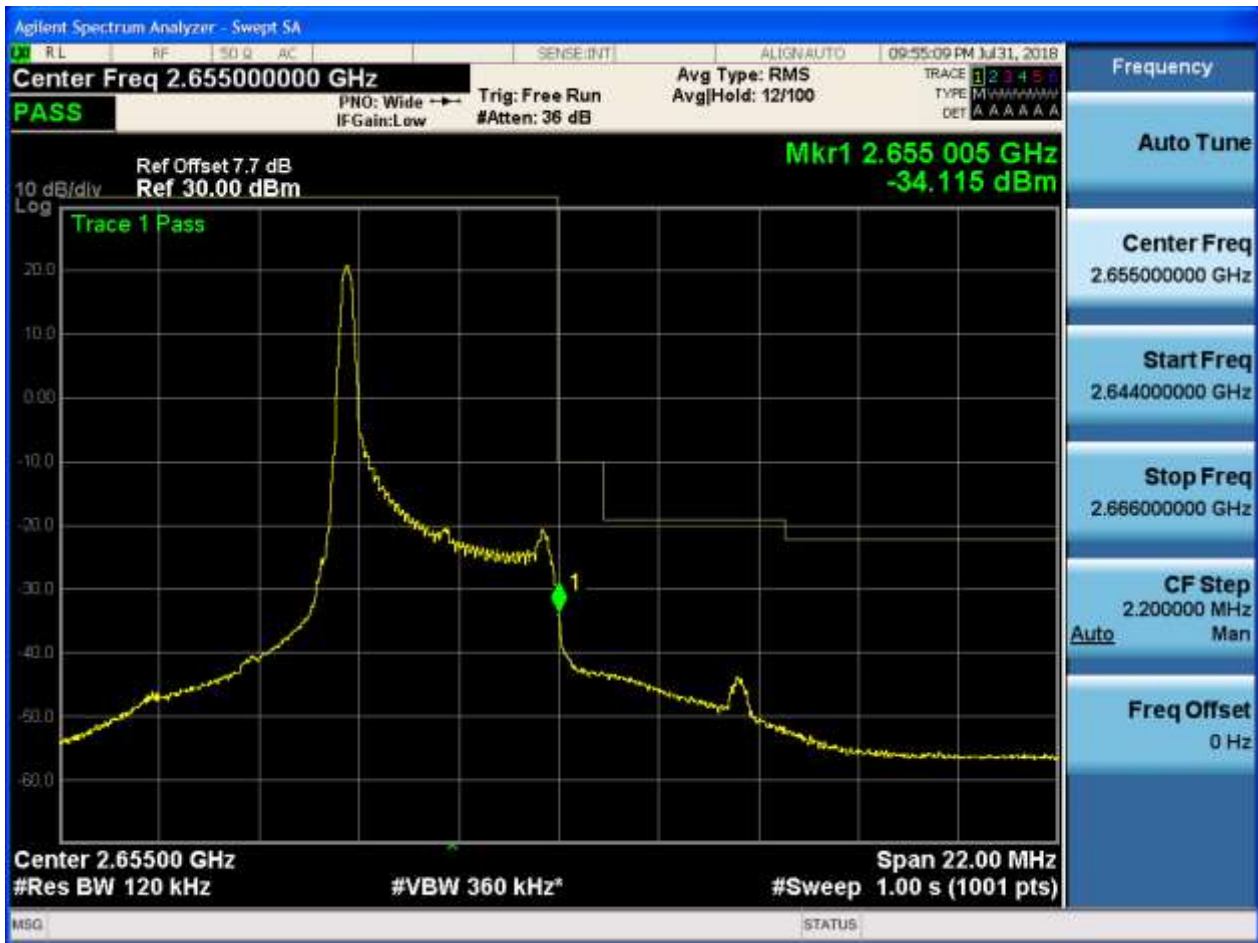


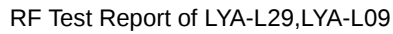
5.1.1.1.1.4 Test RB = RB25#0



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 2.65500000 GHz

Ref Offset 7.7 dB
Ref 30.00 dBm

Trace 1 Pass

10 dB/div
Log

Center 2.65500 GHz
#Res BW 120 kHz
#VBW 360 kHz*
#Sweep 1.00 s (1001 pts)

Span 22.00 MHz

Frequency

Auto Tune

Center Freq
2.65500000 GHz

Start Freq
2.644000000 GHz

Stop Freq
2.666000000 GHz

CF Step
2.200000 MHz
Man

Freq Offset
0 Hz



5.1.1.1.1.2.3 Test RB = RB12#6





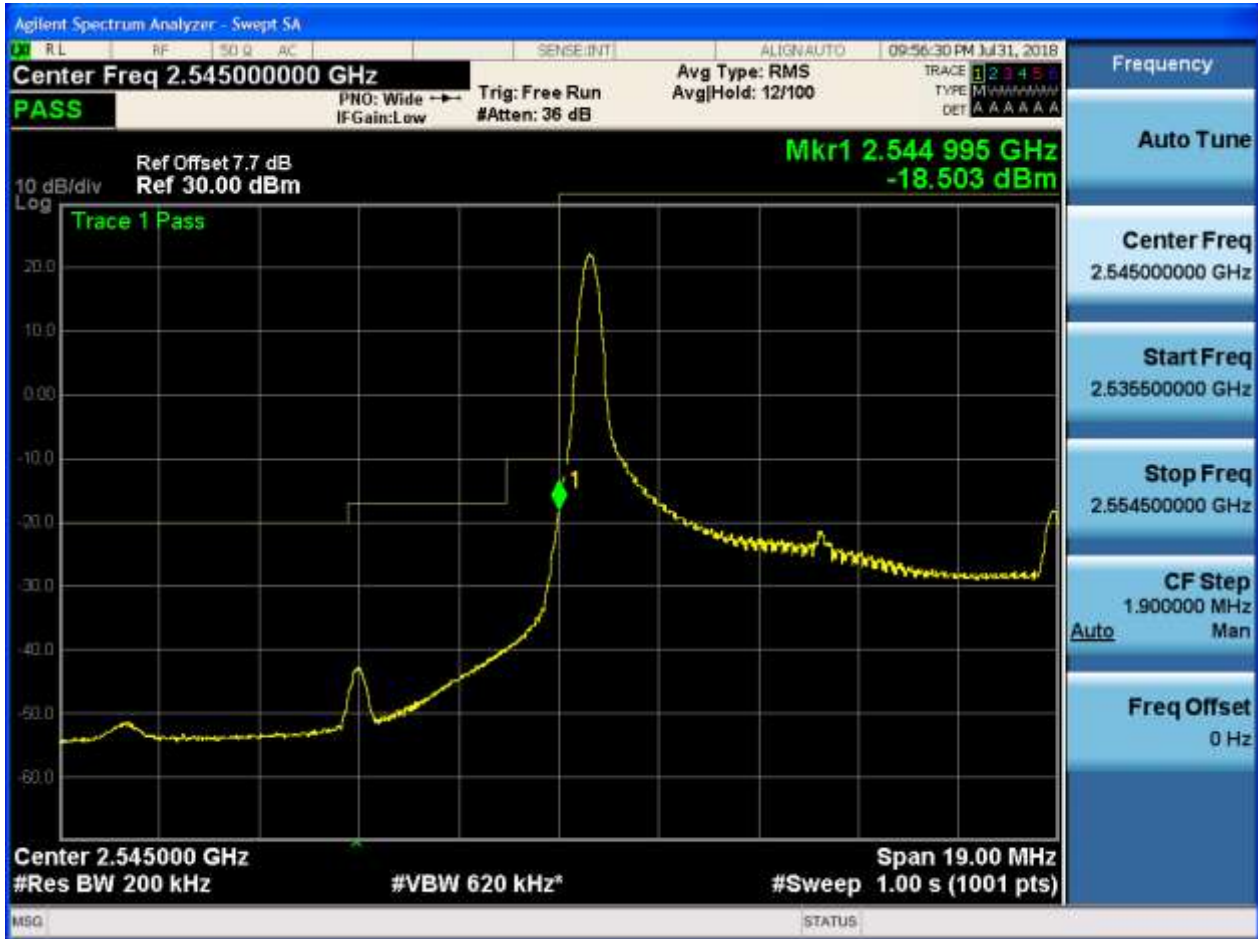
5.1.1.1.1.2.4 Test RB = RB25#0



5.1.1.1.2 Test Bandwidth = 10

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#49





5.1.1.1.2.1.3 Test RB = RB25#13





5.1.1.1.2.1.4 Test RB = RB50#0



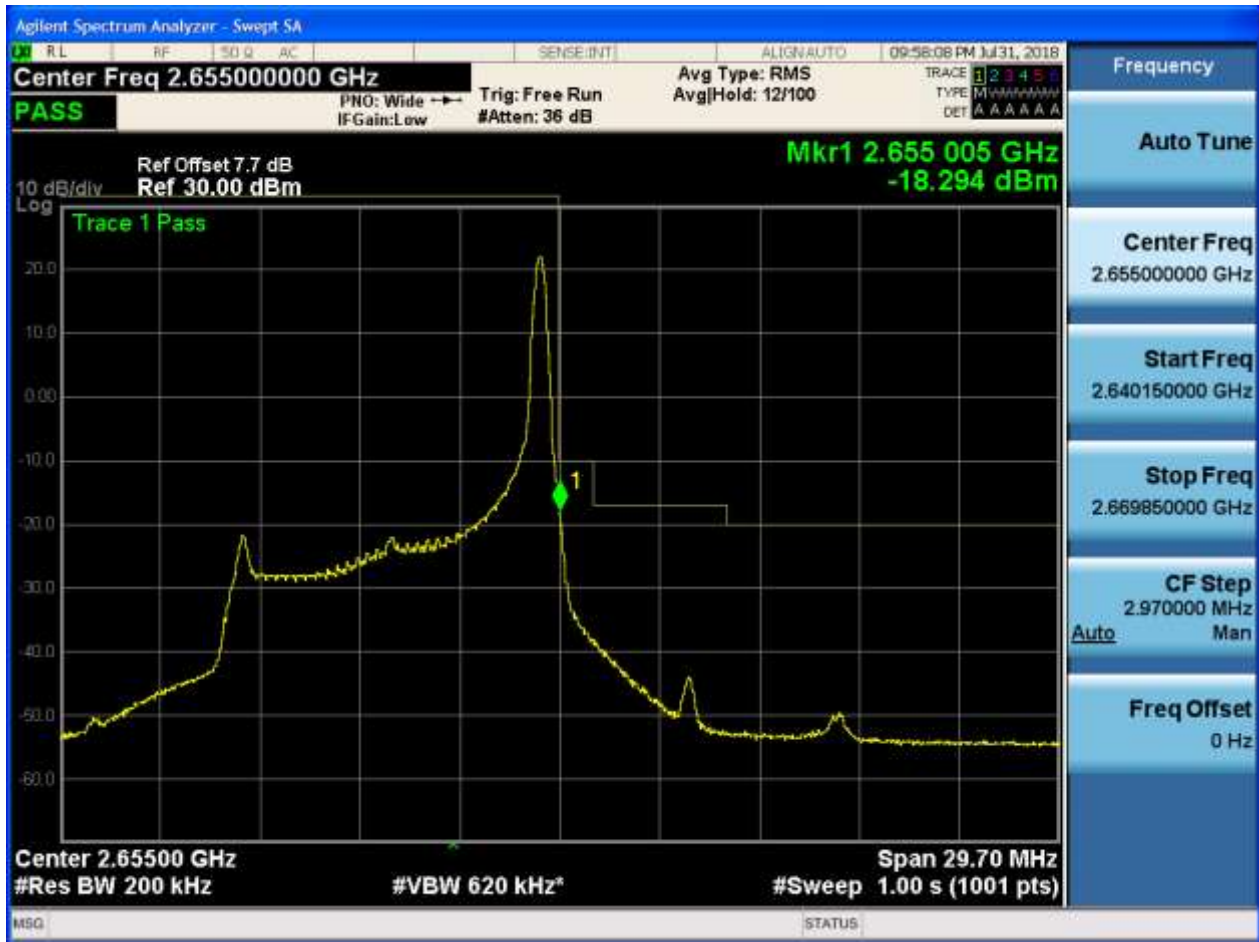
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#49





5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0





5.1.1.1.3 Test Bandwidth = 15

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#74





5.1.1.1.3.1.3 Test RB = RB36#18





5.1.1.1.3.1.4 Test RB = RB75#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#74





5.1.1.1.3.2.3 Test RB = RB36#18





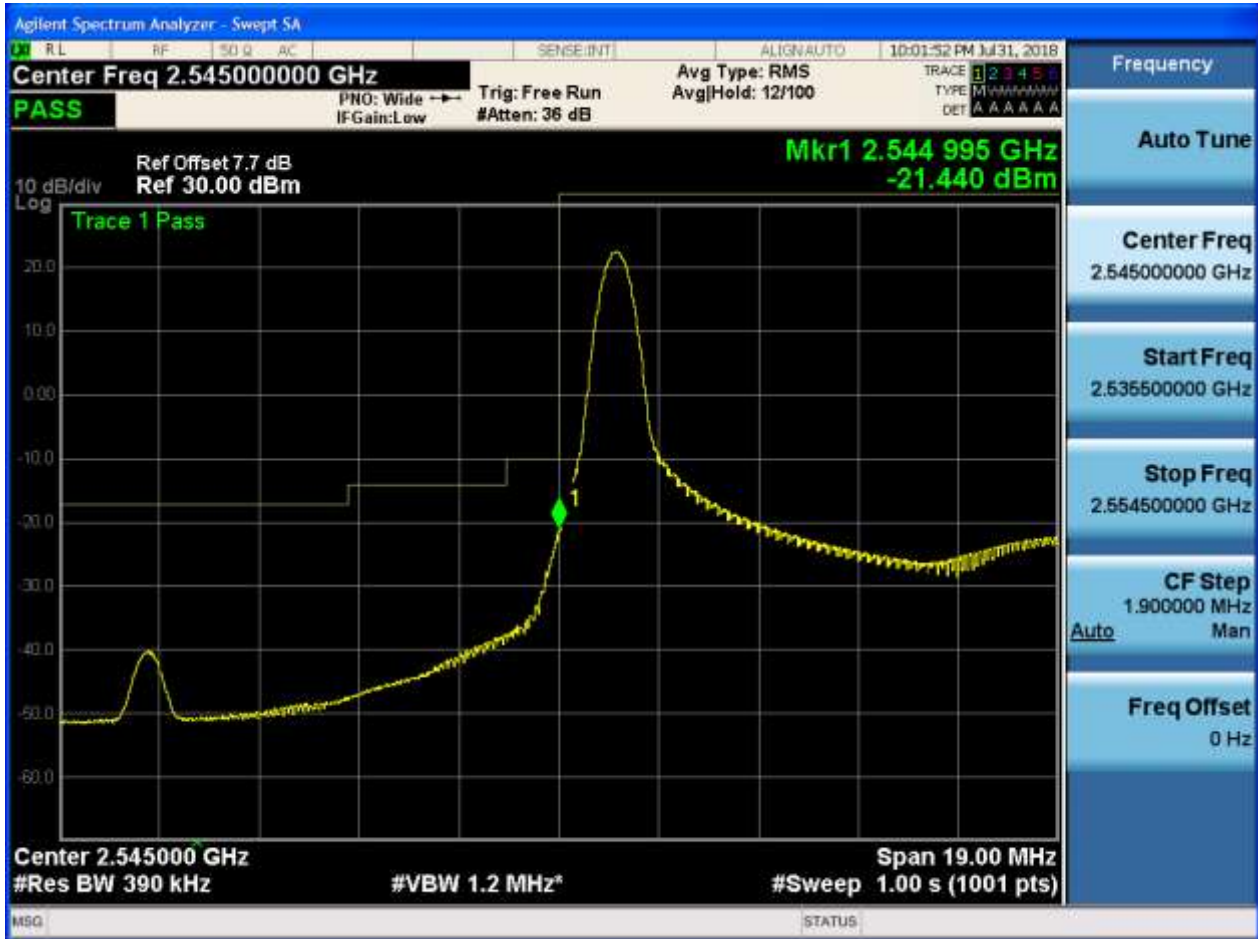
5.1.1.1.3.2.4 Test RB = RB75#0



5.1.1.1.4 Test Bandwidth = 20

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#99





5.1.1.1.4.1.3 Test RB = RB50#25





5.1.1.1.4.1.4 Test RB = RB100#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#99





5.1.1.1.4.2.3 Test RB = RB50#25





5.1.1.1.4.2.4 Test RB = RB100#0

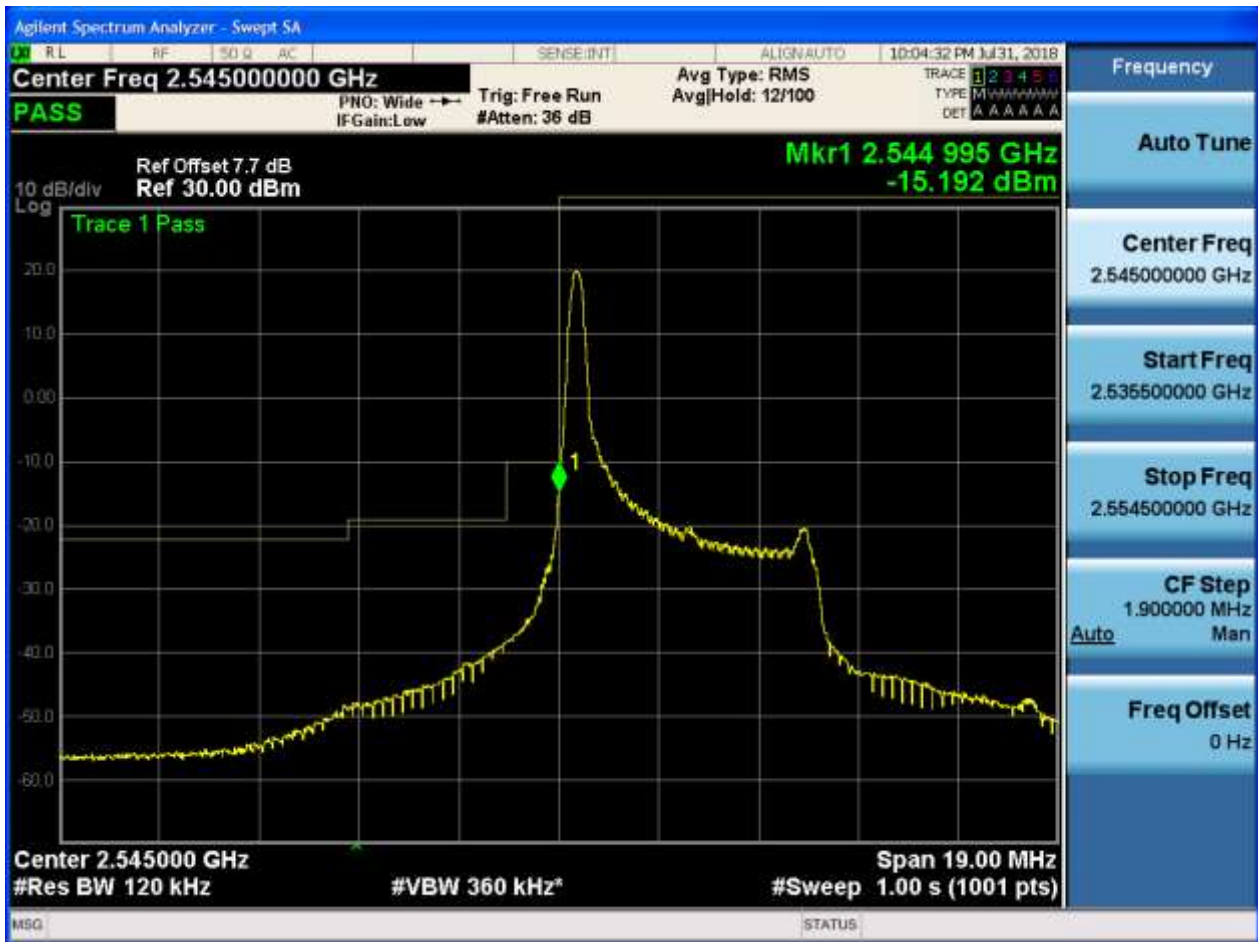


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

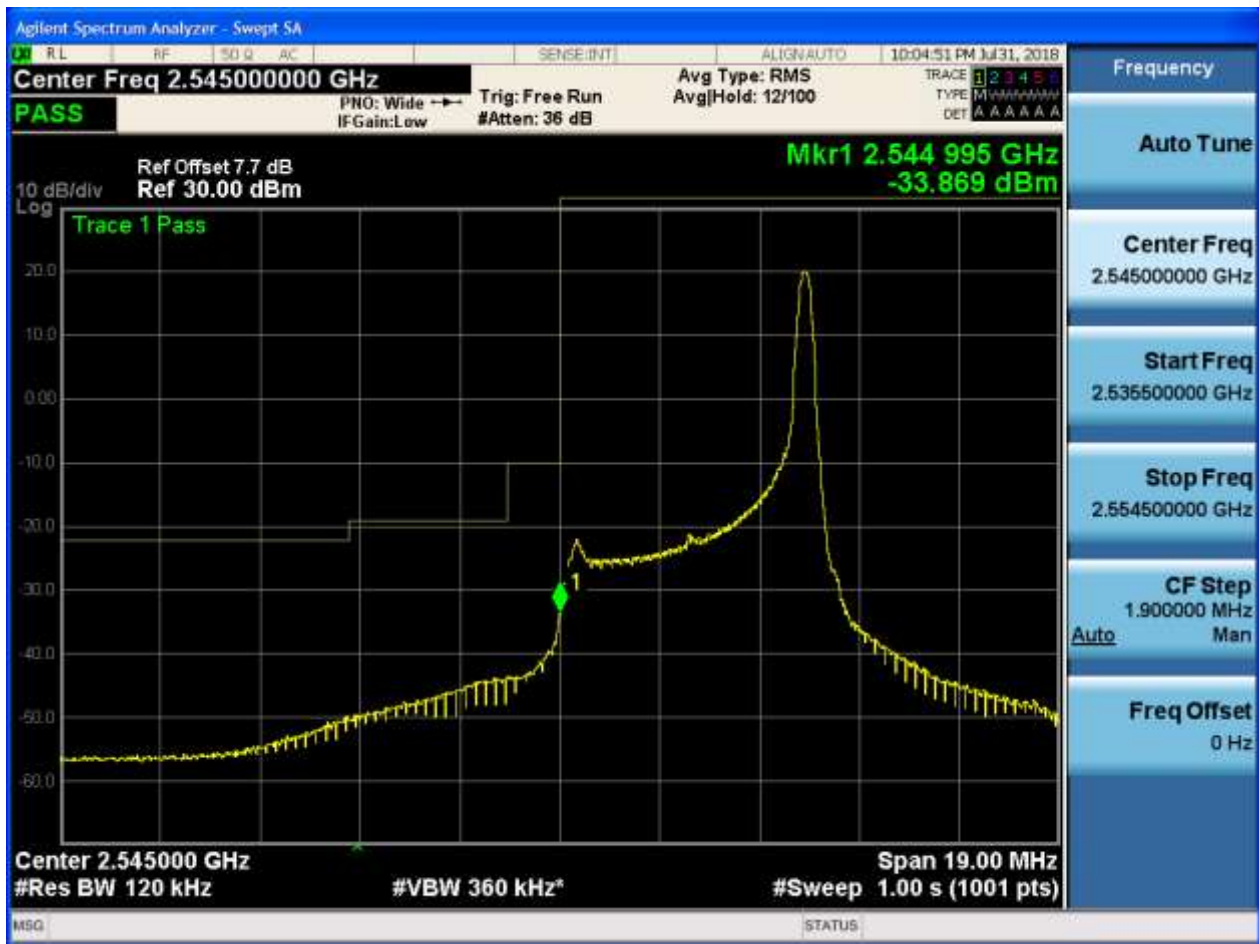
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6



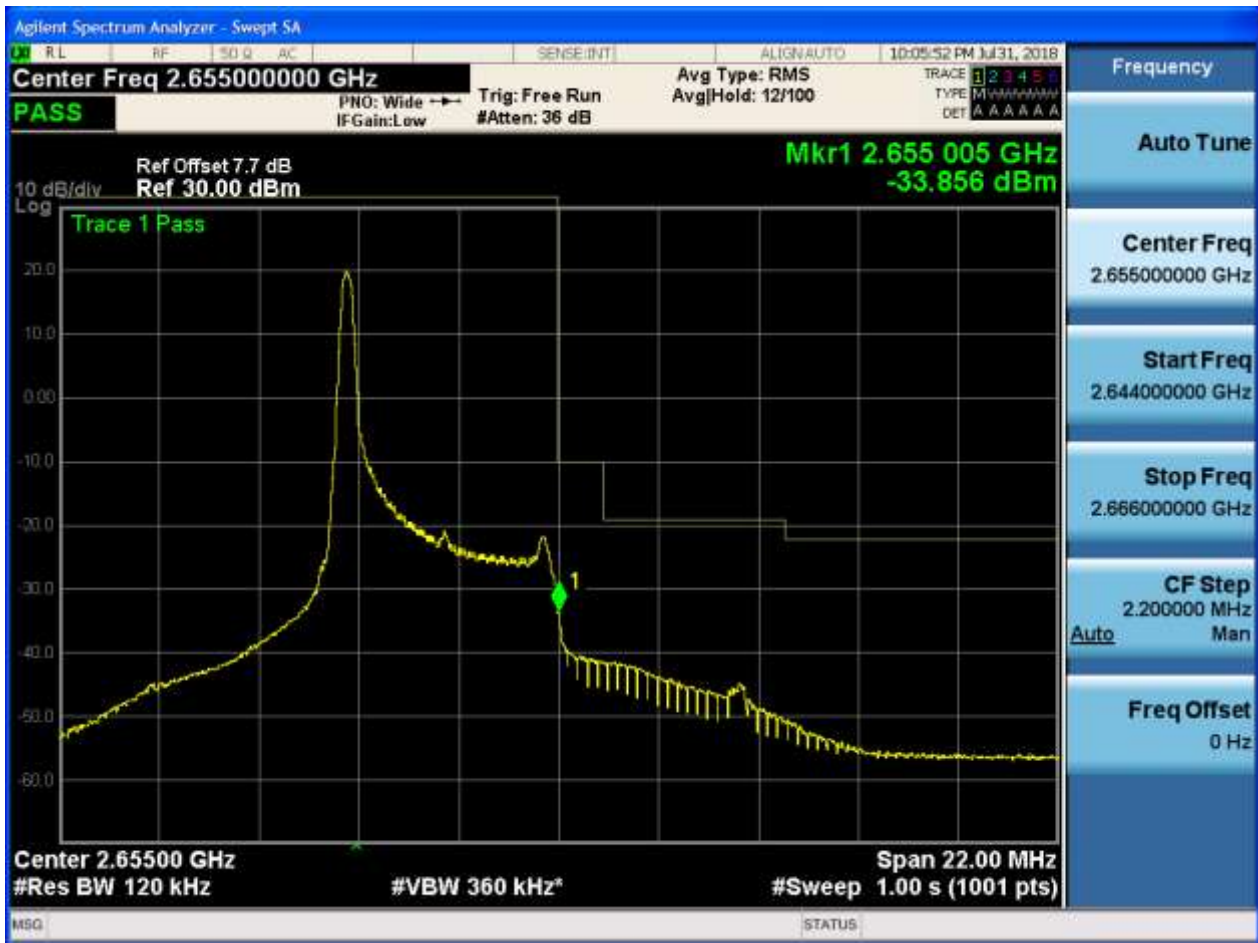


5.1.1.2.1.1.4 Test RB = RB25#0



5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



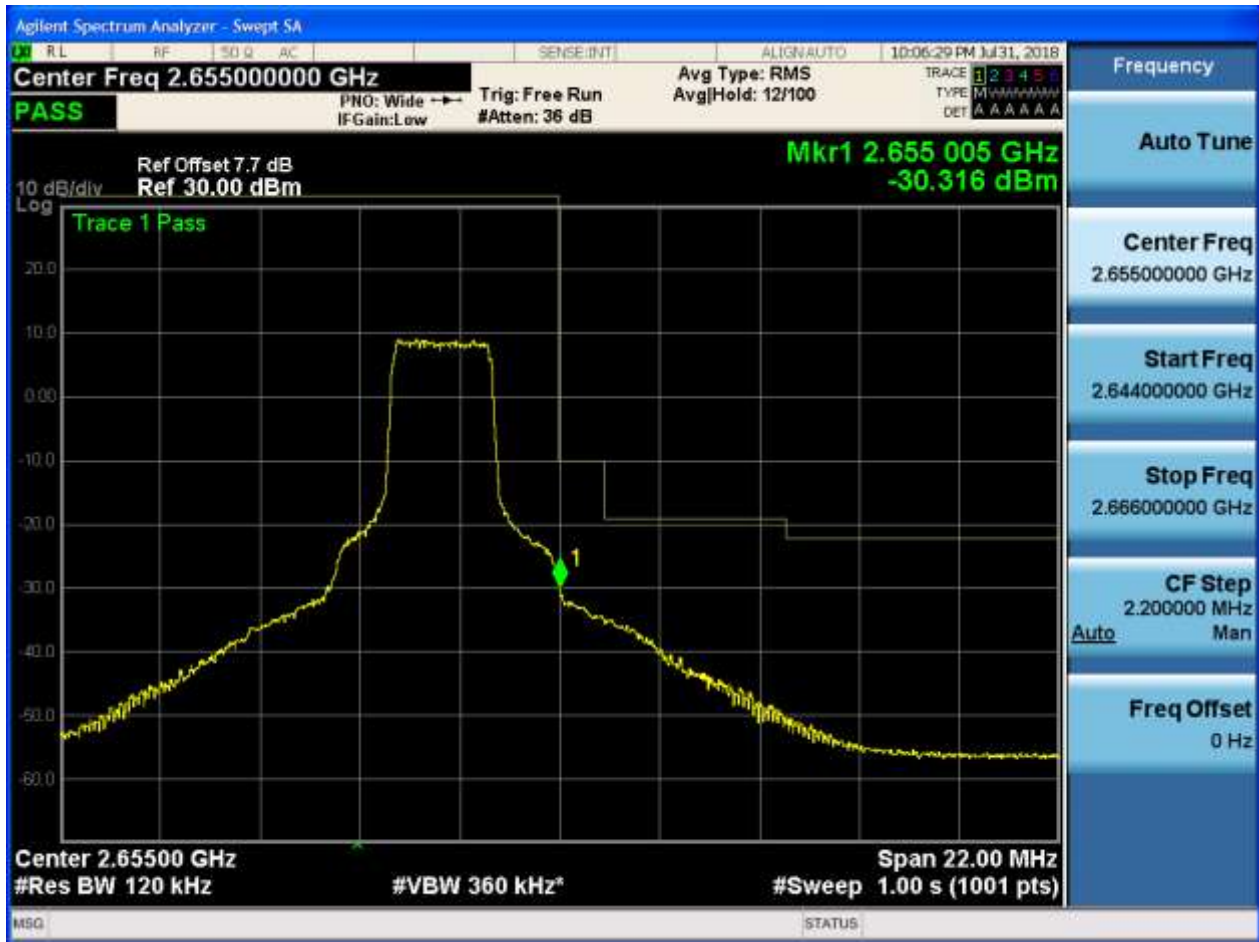


5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





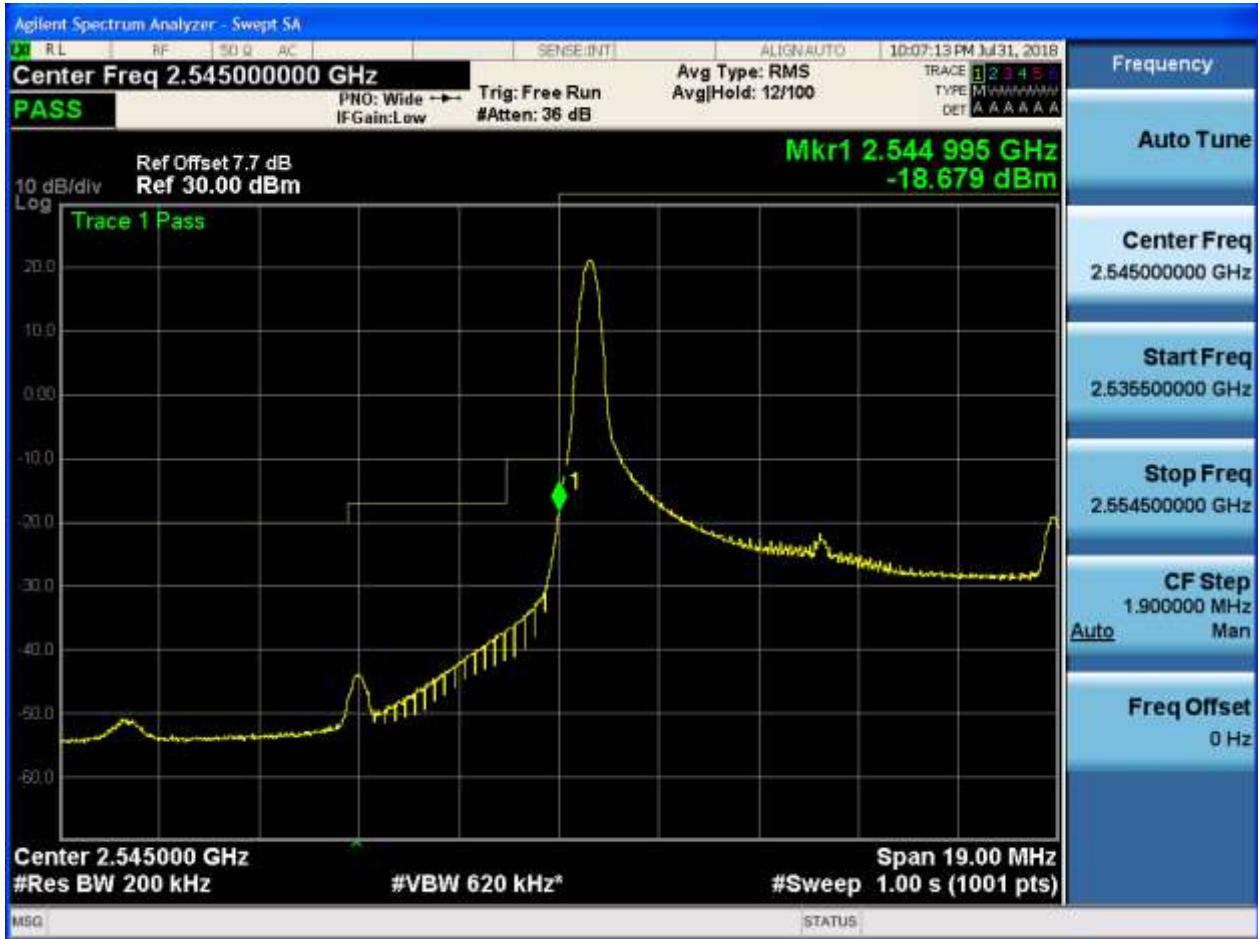
5.1.1.2.1.2.4 Test RB = RB25#0



5.1.1.2.2 Test Bandwidth = 10

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#49





5.1.1.2.2.1.3 Test RB = RB25#13





5.1.1.2.2.1.4 Test RB = RB50#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#49





5.1.1.2.2.3 Test RB = RB25#13





5.1.1.2.2.4 Test RB = RB50#0



5.1.1.2.3 Test Bandwidth = 15

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#74





5.1.1.2.3.1.3 Test RB = RB36#18





5.1.1.2.3.1.4 Test RB = RB75#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#74





5.1.1.2.3.2.3 Test RB = RB36#18





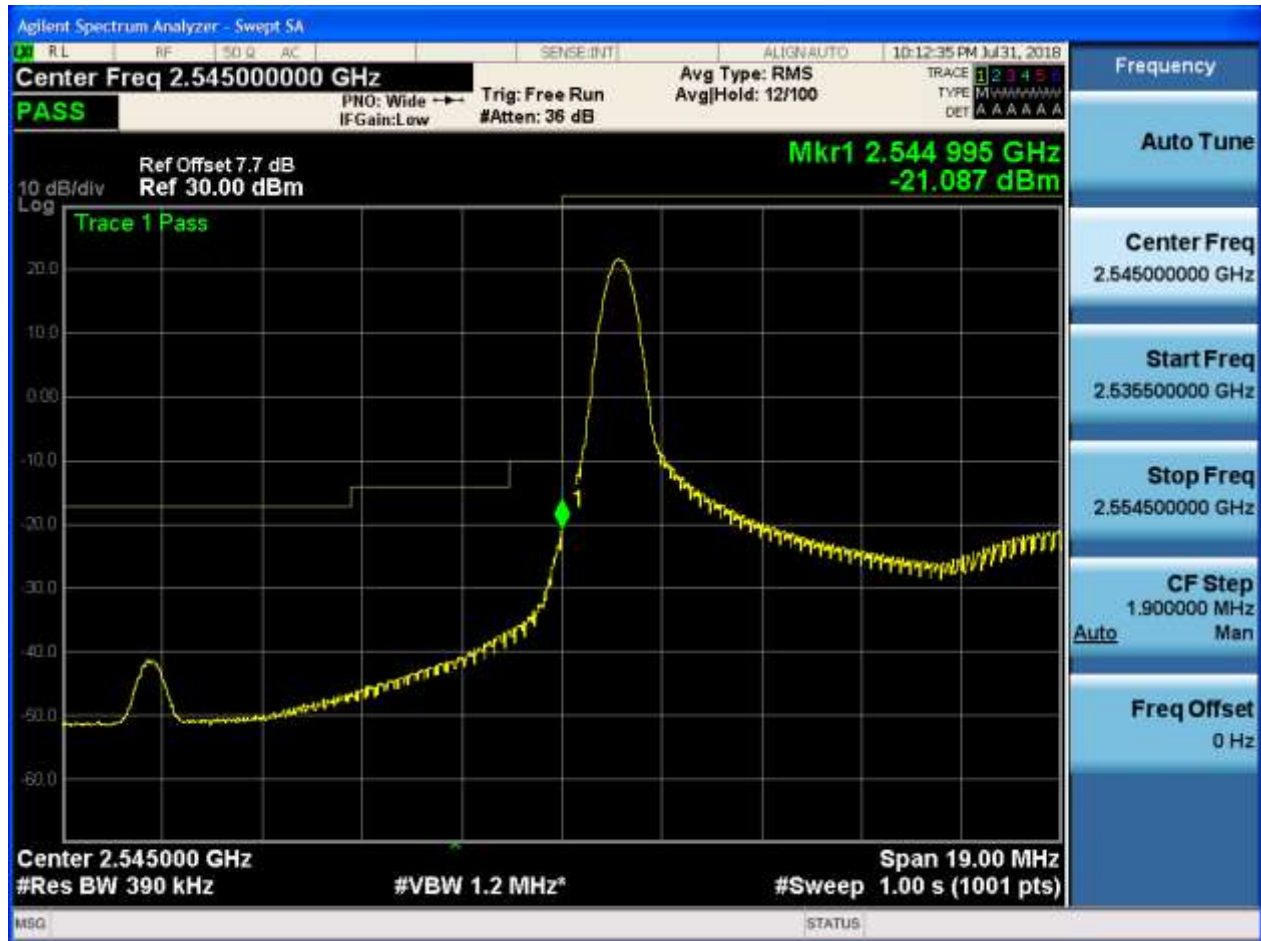
5.1.1.2.3.2.4 Test RB = RB75#0



5.1.1.2.4 Test Bandwidth = 20

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#99





5.1.1.2.4.1.3 Test RB = RB50#25





5.1.1.2.4.1.4 Test RB = RB100#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#99





5.1.1.2.4.2.3 Test RB = RB50#25





5.1.1.2.4.2.4 Test RB = RB100#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 = BAND41

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 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





6.2.1.1.2 Test Bandwidth = 10

6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0





6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0





6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0





6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0





6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0





6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0





6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0





6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0





6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0





6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0





6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0



6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0





6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0





6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0





6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0





6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0





6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0





6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note:We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

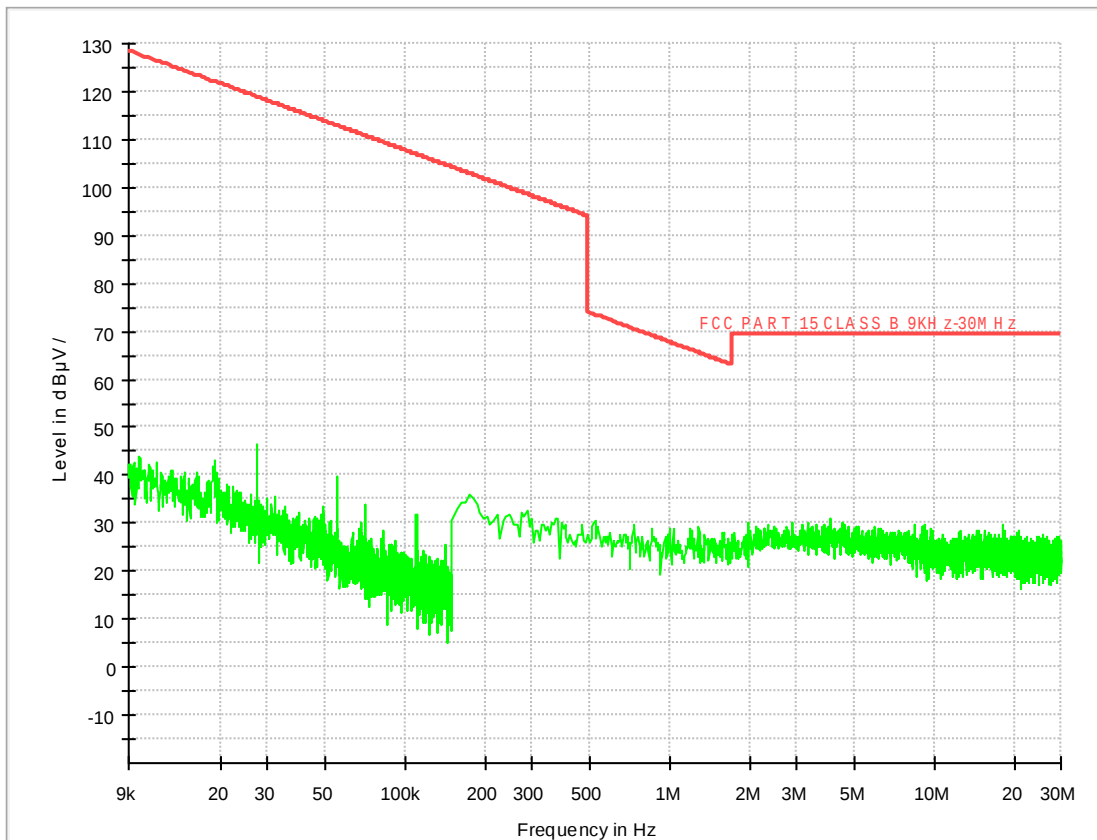
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

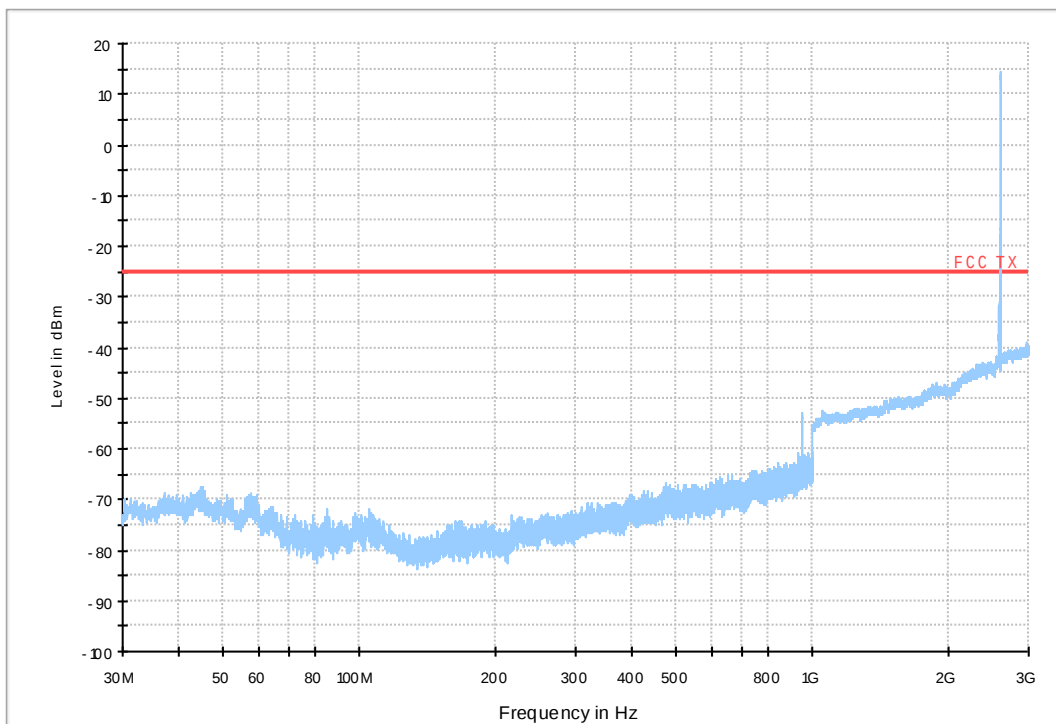
7.1 For LTE

7.1.1 Test Band = BAND41_ANT1

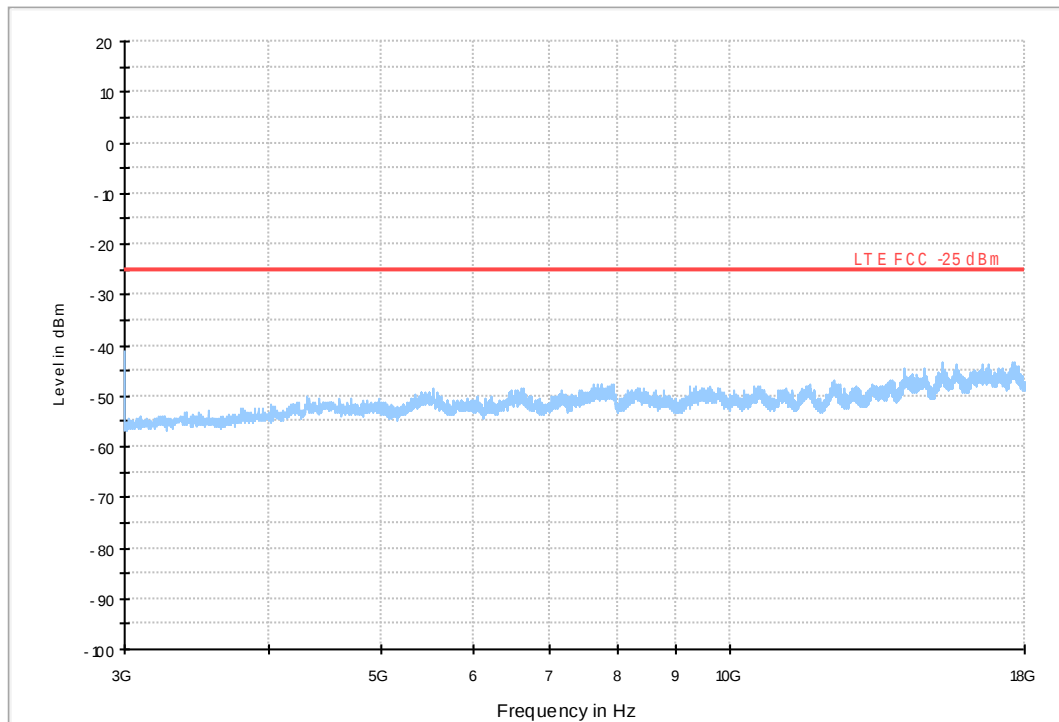
7.1.1.1 Test Bandwidth = 5



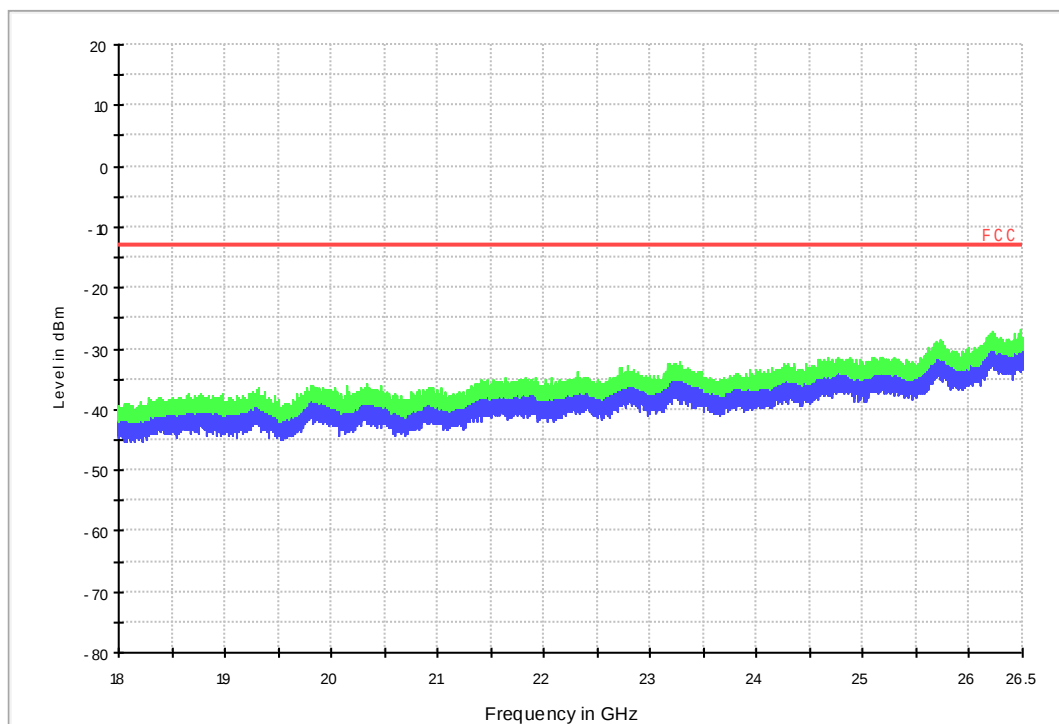
LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



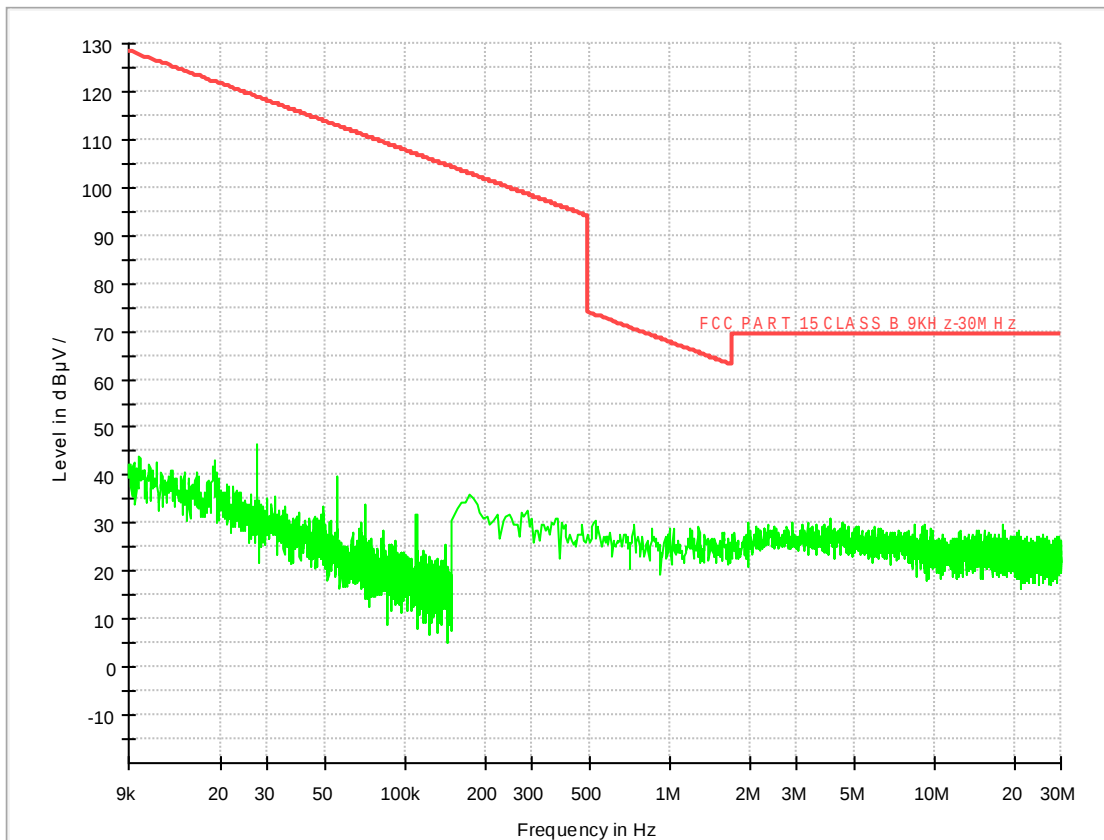
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



7.1.1.2 Test Bandwidth = 20



LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit

