



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
BAND7	LTE/TM1	5	LCH	RB1#0	23.26	22.96	33	PASS
				RB1#13	23.28	22.98	33	PASS
				RB1#24	23.24	22.94	33	PASS
				RB12#0	22.28	21.98	33	PASS
				RB12#6	22.21	21.91	33	PASS
				RB12#13	22.25	21.95	33	PASS
				RB25#0	22.24	21.94	33	PASS
			MCH	RB1#0	23.25	22.95	33	PASS
				RB1#13	23.26	22.96	33	PASS
				RB1#24	23.27	22.97	33	PASS
				RB12#0	22.28	21.98	33	PASS
				RB12#6	22.29	21.99	33	PASS
				RB12#13	22.28	21.98	33	PASS
				RB25#0	22.26	21.96	33	PASS
			HCH	RB1#0	23.21	22.91	33	PASS
				RB1#13	23.24	22.94	33	PASS
				RB1#24	23.24	22.94	33	PASS
				RB12#0	22.2	21.9	33	PASS
				RB12#6	22.2	21.9	33	PASS
				RB12#13	22.28	21.98	33	PASS
				RB25#0	22.18	21.88	33	PASS
		10	LCH	RB1#0	23.14	22.84	33	PASS
				RB1#25	22.94	22.64	33	PASS
				RB1#49	23.27	22.97	33	PASS
				RB25#0	22.29	21.99	33	PASS
				RB25#13	22.27	21.97	33	PASS
				RB25#25	22.31	22.01	33	PASS
				RB50#0	22.29	21.99	33	PASS
			MCH	RB1#0	23.25	22.95	33	PASS
				RB1#25	23.18	22.88	33	PASS



				RB1#49	23.26	22.96	33	PASS
				RB25#0	22.3	22	33	PASS
				RB25#13	22.29	21.99	33	PASS
				RB25#25	22.24	21.94	33	PASS
				RB50#0	22.3	22	33	PASS
			HCH	RB1#0	23.11	22.81	33	PASS
				RB1#25	23	22.7	33	PASS
				RB1#49	23.16	22.86	33	PASS
				RB25#0	22.17	21.87	33	PASS
				RB25#13	22.17	21.87	33	PASS
				RB25#25	22.24	21.94	33	PASS
				RB50#0	22.14	21.84	33	PASS
		15	LCH	RB1#0	23.18	22.88	33	PASS
				RB1#38	23.36	23.06	33	PASS
				RB1#74	23.2	22.9	33	PASS
				RB38#0	22.35	22.05	33	PASS
				RB38#19	22.32	22.02	33	PASS
				RB38#39	22.38	22.08	33	PASS
				RB75#0	22.24	21.94	33	PASS
			MCH	RB1#0	23.18	22.88	33	PASS
				RB1#38	23.32	23.02	33	PASS
				RB1#74	23.2	22.9	33	PASS
				RB38#0	22.25	21.95	33	PASS
				RB38#19	22.28	21.98	33	PASS
				RB38#39	22.34	22.04	33	PASS
				RB75#0	22.24	21.94	33	PASS
			HCH	RB1#0	23.04	22.74	33	PASS
				RB1#38	23.18	22.88	33	PASS
				RB1#74	23.04	22.74	33	PASS
				RB38#0	22.23	21.93	33	PASS
				RB38#19	22.17	21.87	33	PASS
				RB38#39	22.22	21.92	33	PASS
				RB75#0	22.2	21.9	33	PASS
		20	LCH	RB1#0	23.26	22.96	33	PASS
				RB1#50	22.96	22.66	33	PASS
				RB1#99	23.34	23.04	33	PASS
				RB50#0	22.23	21.93	33	PASS
				RB50#25	22.35	22.05	33	PASS
				RB50#50	22.3	22	33	PASS
				RB100#0	22.27	21.97	33	PASS
			MCH	RB1#0	23.25	22.95	33	PASS



				RB1#50	22.99	22.69	33	PASS
				RB1#99	23.27	22.97	33	PASS
				RB50#0	22.31	22.01	33	PASS
				RB50#25	22.33	22.03	33	PASS
				RB50#50	22.24	21.94	33	PASS
				RB100#0	22.3	22	33	PASS
			HCH	RB1#0	23.17	22.87	33	PASS
				RB1#50	22.93	22.63	33	PASS
				RB1#99	23.18	22.88	33	PASS
				RB50#0	22.24	21.94	33	PASS
				RB50#25	22.18	21.88	33	PASS
				RB50#50	22.19	21.89	33	PASS
				RB100#0	22.16	21.86	33	PASS
	LTE/TM2	5	LCH	RB1#0	22.47	22.17	33	PASS
				RB1#13	22.52	22.22	33	PASS
				RB1#24	22.47	22.17	33	PASS
				RB12#0	21.31	21.01	33	PASS
				RB12#6	21.25	20.95	33	PASS
				RB12#13	21.33	21.03	33	PASS
				RB25#0	21.21	20.91	33	PASS
			MCH	RB1#0	22.42	22.12	33	PASS
				RB1#13	22.4	22.1	33	PASS
				RB1#24	22.4	22.1	33	PASS
				RB12#0	21.2	20.9	33	PASS
				RB12#6	21.13	20.83	33	PASS
				RB12#13	21.22	20.92	33	PASS
				RB25#0	21.26	20.96	33	PASS
			HCH	RB1#0	22.55	22.25	33	PASS
				RB1#13	22.55	22.25	33	PASS
				RB1#24	22.56	22.26	33	PASS
				RB12#0	21.2	20.9	33	PASS
				RB12#6	21.18	20.88	33	PASS
				RB12#13	21.18	20.88	33	PASS
				RB25#0	21.14	20.84	33	PASS
		10	LCH	RB1#0	22.43	22.13	33	PASS
				RB1#25	21.88	21.58	33	PASS
				RB1#49	22.25	21.95	33	PASS
				RB25#0	21.28	20.98	33	PASS
				RB25#13	21.22	20.92	33	PASS
				RB25#25	21.3	21	33	PASS
				RB50#0	21.29	20.99	33	PASS



			MCH	RB1#0	22.33	22.03	33	PASS
				RB1#25	21.43	21.13	33	PASS
				RB1#49	22.17	21.87	33	PASS
				RB25#0	21.24	20.94	33	PASS
				RB25#13	21.26	20.96	33	PASS
				RB25#25	21.21	20.91	33	PASS
				RB50#0	21.28	20.98	33	PASS
			HCH	RB1#0	22.47	22.17	33	PASS
				RB1#25	22.19	21.89	33	PASS
				RB1#49	22.52	22.22	33	PASS
				RB25#0	21.1	20.8	33	PASS
				RB25#13	21.21	20.91	33	PASS
				RB25#25	21.17	20.87	33	PASS
				RB50#0	21.16	20.86	33	PASS
		15	LCH	RB1#0	22.2	21.9	33	PASS
				RB1#38	22.37	22.07	33	PASS
				RB1#74	22.28	21.98	33	PASS
				RB38#0	21.23	20.93	33	PASS
				RB38#19	21.25	20.95	33	PASS
				RB38#39	21.28	20.98	33	PASS
				RB75#0	21.26	20.96	33	PASS
			MCH	RB1#0	22.29	21.99	33	PASS
				RB1#38	22.41	22.11	33	PASS
				RB1#74	22.29	21.99	33	PASS
				RB38#0	21.22	20.92	33	PASS
				RB38#19	21.24	20.94	33	PASS
				RB38#39	21.22	20.92	33	PASS
				RB75#0	21.21	20.91	33	PASS
			HCH	RB1#0	22.38	22.08	33	PASS
				RB1#38	22.47	22.17	33	PASS
				RB1#74	22.36	22.06	33	PASS
				RB38#0	21.15	20.85	33	PASS
				RB38#19	21.13	20.83	33	PASS
				RB38#39	21.09	20.79	33	PASS
				RB75#0	21.11	20.81	33	PASS
		20	LCH	RB1#0	22.59	22.29	33	PASS
				RB1#50	22.46	22.16	33	PASS
				RB1#99	22.64	22.34	33	PASS
				RB50#0	21.19	20.89	33	PASS
				RB50#25	21.29	20.99	33	PASS
				RB50#50	21.19	20.89	33	PASS



				RB100#0	21.2	20.9	33	PASS
			MCH	RB1#0	22.52	22.22	33	PASS
				RB1#50	22.3	22	33	PASS
				RB1#99	22.53	22.23	33	PASS
				RB50#0	21.22	20.92	33	PASS
				RB50#25	21.17	20.87	33	PASS
				RB50#50	21.25	20.95	33	PASS
				RB100#0	21.24	20.94	33	PASS
			HCH	RB1#0	22.42	22.12	33	PASS
				RB1#50	22.19	21.89	33	PASS
				RB1#99	22.41	22.11	33	PASS
				RB50#0	21.13	20.83	33	PASS
				RB50#25	21.1	20.8	33	PASS
				RB50#50	21.09	20.79	33	PASS
				RB100#0	21.1	20.8	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:

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

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

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

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
BAND7	LTE/TM1	5	LCH	RB1#0	3.99	13	PASS
				RB1#13	4.17	13	PASS
				RB1#24	4.28	13	PASS
				RB12#0	5.07	13	PASS
				RB12#6	5.13	13	PASS
				RB12#13	5.32	13	PASS
				RB25#0	5.61	13	PASS
			MCH	RB1#0	4.16	13	PASS
				RB1#13	4.21	13	PASS
				RB1#24	4.27	13	PASS
				RB12#0	5.43	13	PASS
				RB12#6	5.29	13	PASS
				RB12#13	5.39	13	PASS
				RB25#0	5.81	13	PASS
			HCH	RB1#0	4.3	13	PASS
				RB1#13	3.84	13	PASS
				RB1#24	3.74	13	PASS
				RB12#0	5.18	13	PASS
				RB12#6	5.02	13	PASS
				RB12#13	5.01	13	PASS
				RB25#0	5.48	13	PASS
		10	LCH	RB1#0	4.1	13	PASS
				RB1#25	4.51	13	PASS
				RB1#49	4.31	13	PASS
				RB25#0	5.41	13	PASS
				RB25#13	5.35	13	PASS
				RB25#25	5.51	13	PASS
				RB50#0	5.85	13	PASS
			MCH	RB1#0	3.99	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.17	13	PASS
				RB1#49	4.46	13	PASS
				RB25#0	5.43	13	PASS
				RB25#13	5.39	13	PASS
				RB25#25	5.54	13	PASS
				RB50#0	5.88	13	PASS
			HCH	RB1#0	4.47	13	PASS
				RB1#25	4.36	13	PASS
				RB1#49	3.87	13	PASS
				RB25#0	5.49	13	PASS
				RB25#13	5.41	13	PASS
				RB25#25	5.42	13	PASS
				RB50#0	5.79	13	PASS
		15	LCH	RB1#0	3.99	13	PASS
				RB1#38	4.2	13	PASS
				RB1#74	4.35	13	PASS
				RB38#0	5.67	13	PASS
				RB38#19	5.53	13	PASS
				RB38#39	5.72	13	PASS
				RB75#0	6.1	13	PASS
			MCH	RB1#0	4.56	13	PASS
				RB1#38	4.5	13	PASS
				RB1#74	4.62	13	PASS
				RB38#0	5.61	13	PASS
				RB38#19	5.49	13	PASS
				RB38#39	5.75	13	PASS
				RB75#0	6.03	13	PASS
			HCH	RB1#0	4.33	13	PASS
				RB1#38	4.09	13	PASS
				RB1#74	3.83	13	PASS
				RB38#0	5.76	13	PASS
				RB38#19	5.54	13	PASS
				RB38#39	5.57	13	PASS
				RB75#0	5.95	13	PASS
		20	LCH	RB1#0	4.21	13	PASS
				RB1#50	4.64	13	PASS
				RB1#99	4.56	13	PASS
				RB50#0	5.57	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	5.45	13	PASS
				RB50#50	5.72	13	PASS
				RB100#0	6.08	13	PASS
			MCH	RB1#0	4.28	13	PASS
				RB1#50	4.28	13	PASS
				RB1#99	4.34	13	PASS
				RB50#0	5.61	13	PASS
				RB50#25	5.52	13	PASS
				RB50#50	5.71	13	PASS
				RB100#0	5.94	13	PASS
			HCH	RB1#0	4.44	13	PASS
				RB1#50	4.4	13	PASS
				RB1#99	3.96	13	PASS
				RB50#0	5.66	13	PASS
				RB50#25	5.54	13	PASS
				RB50#50	5.49	13	PASS
				RB100#0	5.96	13	PASS
	LTE/TM2	5	LCH	RB1#0	5.03	13	PASS
				RB1#13	5.18	13	PASS
				RB1#24	5.31	13	PASS
				RB12#0	6.02	13	PASS
				RB12#6	6.1	13	PASS
				RB12#13	6.16	13	PASS
				RB25#0	6.52	13	PASS
			MCH	RB1#0	4.99	13	PASS
				RB1#13	4.94	13	PASS
				RB1#24	5.01	13	PASS
				RB12#0	6.26	13	PASS
				RB12#6	6.23	13	PASS
				RB12#13	6.35	13	PASS
				RB25#0	6.74	13	PASS
			HCH	RB1#0	4.77	13	PASS
				RB1#13	4.57	13	PASS
				RB1#24	4.33	13	PASS
				RB12#0	5.84	13	PASS
				RB12#6	5.74	13	PASS
				RB12#13	5.77	13	PASS
				RB25#0	6.53	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB1#0	5.14	13	PASS
				RB1#25	5.37	13	PASS
				RB1#49	5.5	13	PASS
				RB25#0	6.18	13	PASS
				RB25#13	6.15	13	PASS
				RB25#25	6.38	13	PASS
				RB50#0	6.63	13	PASS
			MCH	RB1#0	5.03	13	PASS
				RB1#25	5.2	13	PASS
				RB1#49	5.2	13	PASS
				RB25#0	6.51	13	PASS
				RB25#13	6.36	13	PASS
				RB25#25	6.5	13	PASS
				RB50#0	6.77	13	PASS
			HCH	RB1#0	5.34	13	PASS
				RB1#25	5.01	13	PASS
				RB1#49	4.86	13	PASS
				RB25#0	6.46	13	PASS
				RB25#13	6.31	13	PASS
				RB25#25	6.31	13	PASS
				RB50#0	6.59	13	PASS
		15	LCH	RB1#0	5.08	13	PASS
				RB1#38	5.32	13	PASS
				RB1#74	5.34	13	PASS
				RB38#0	6.56	13	PASS
				RB38#19	6.45	13	PASS
				RB38#39	6.67	13	PASS
				RB75#0	6.82	13	PASS
			MCH	RB1#0	5.46	13	PASS
				RB1#38	5.23	13	PASS
				RB1#74	5.5	13	PASS
				RB38#0	6.47	13	PASS
				RB38#19	6.42	13	PASS
				RB38#39	6.56	13	PASS
				RB75#0	7.02	13	PASS
			HCH	RB1#0	5.3	13	PASS
				RB1#38	5.1	13	PASS
				RB1#74	4.84	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#0	6.51	13	PASS
				RB38#19	6.36	13	PASS
				RB38#39	6.34	13	PASS
				RB75#0	6.79	13	PASS
		20	LCH	RB1#0	4.91	13	PASS
				RB1#50	5.12	13	PASS
				RB1#99	5.24	13	PASS
				RB50#0	6.55	13	PASS
				RB50#25	6.42	13	PASS
				RB50#50	6.66	13	PASS
				RB100#0	6.88	13	PASS
			MCH	RB1#0	5.08	13	PASS
				RB1#50	5.08	13	PASS
				RB1#99	5.09	13	PASS
				RB50#0	6.73	13	PASS
				RB50#25	6.55	13	PASS
				RB50#50	6.83	13	PASS
				RB100#0	6.85	13	PASS
			HCH	RB1#0	5.08	13	PASS
				RB1#50	5.03	13	PASS
				RB1#99	4.6	13	PASS
				RB50#0	6.47	13	PASS
				RB50#25	6.29	13	PASS
				RB50#50	6.38	13	PASS
				RB100#0	6.9	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

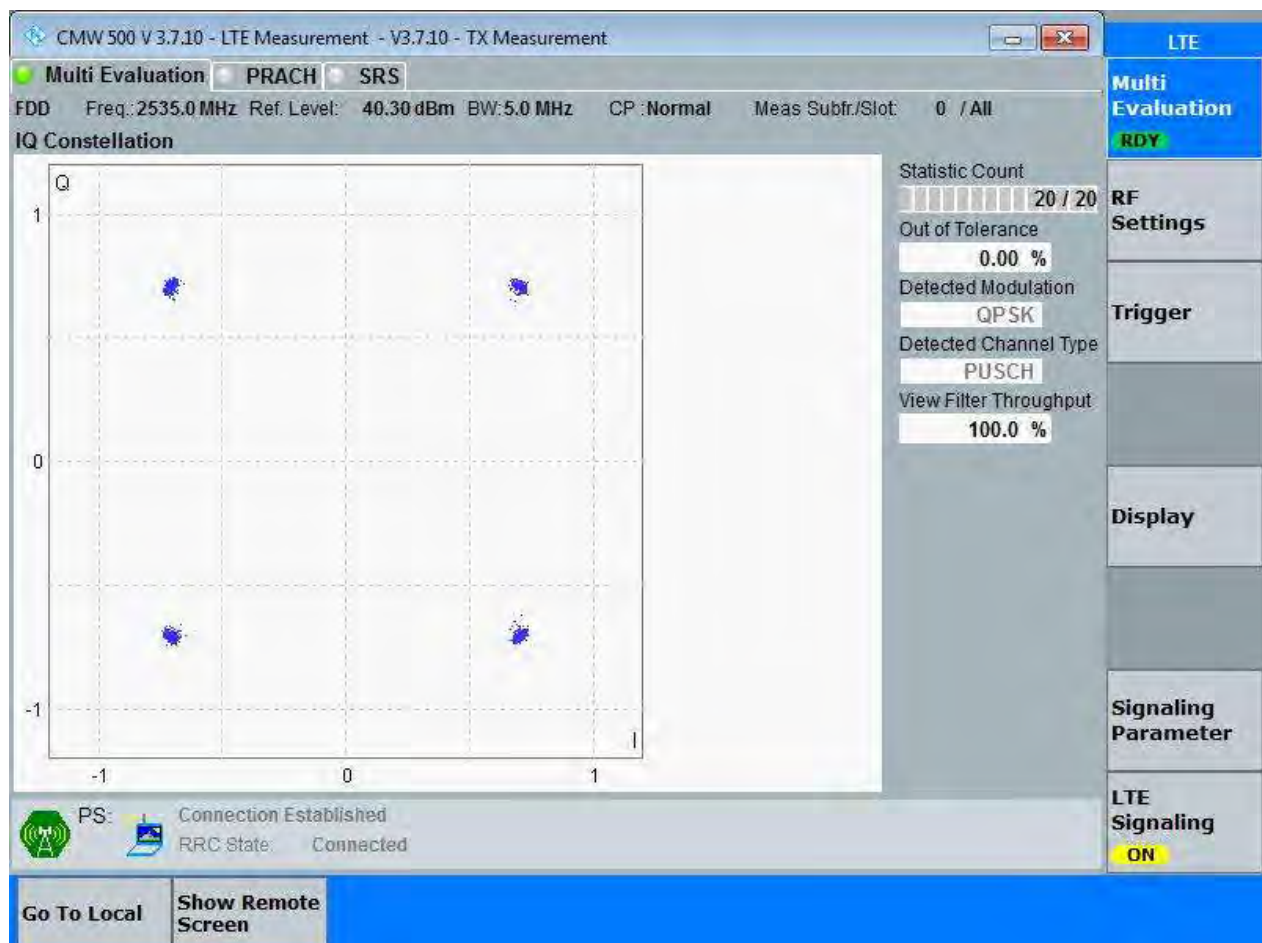
3.1.1 Test Band = BAND7

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

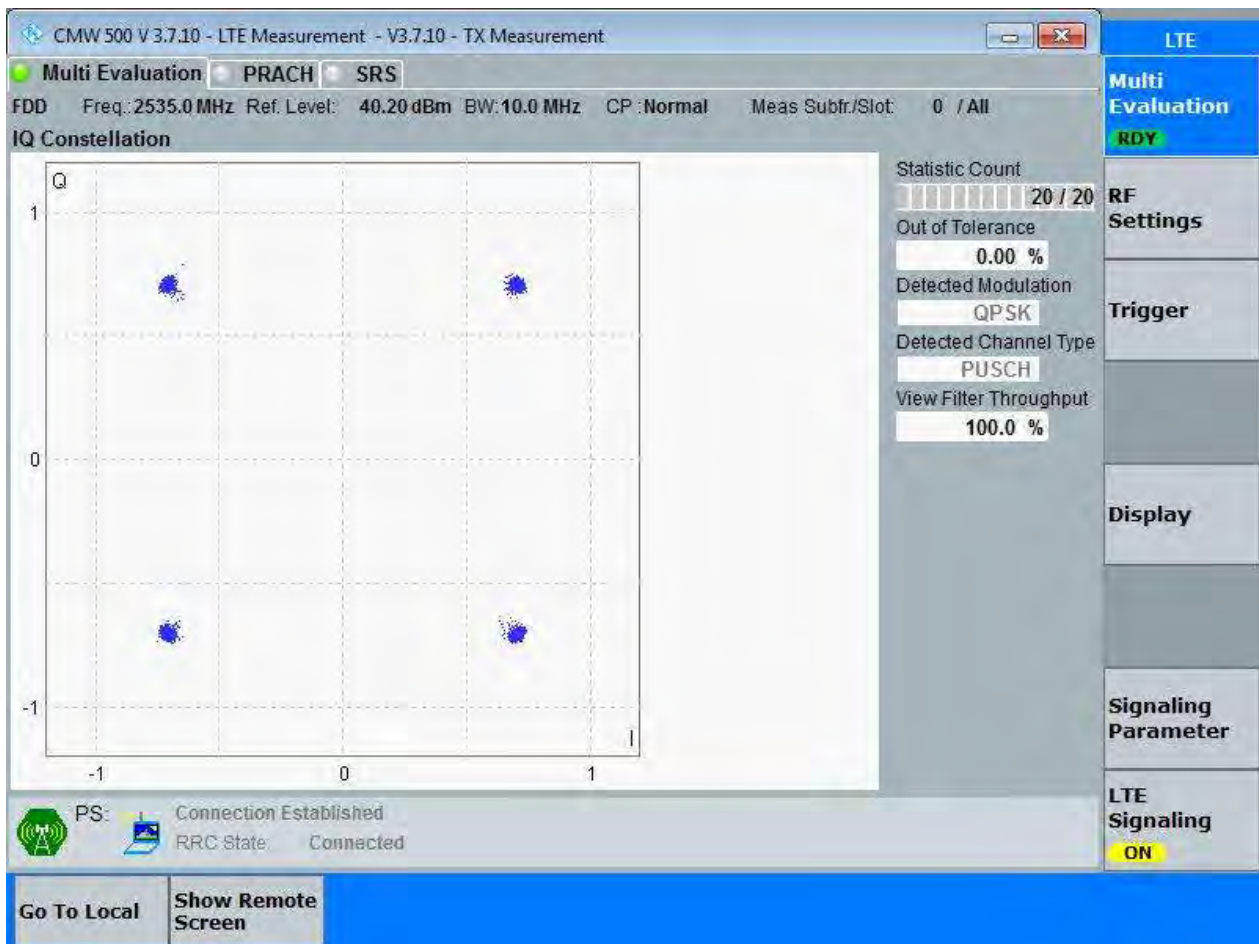
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

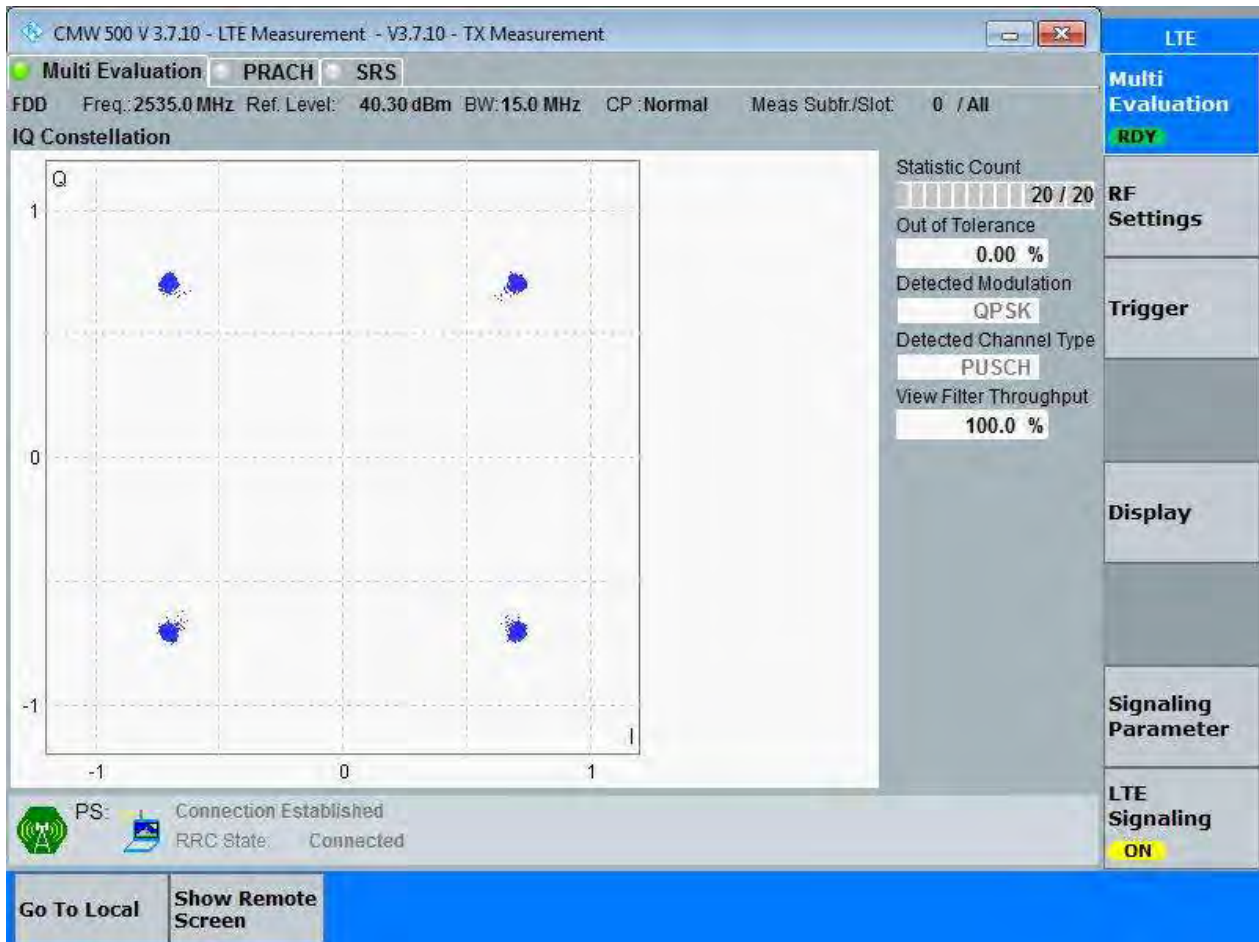
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

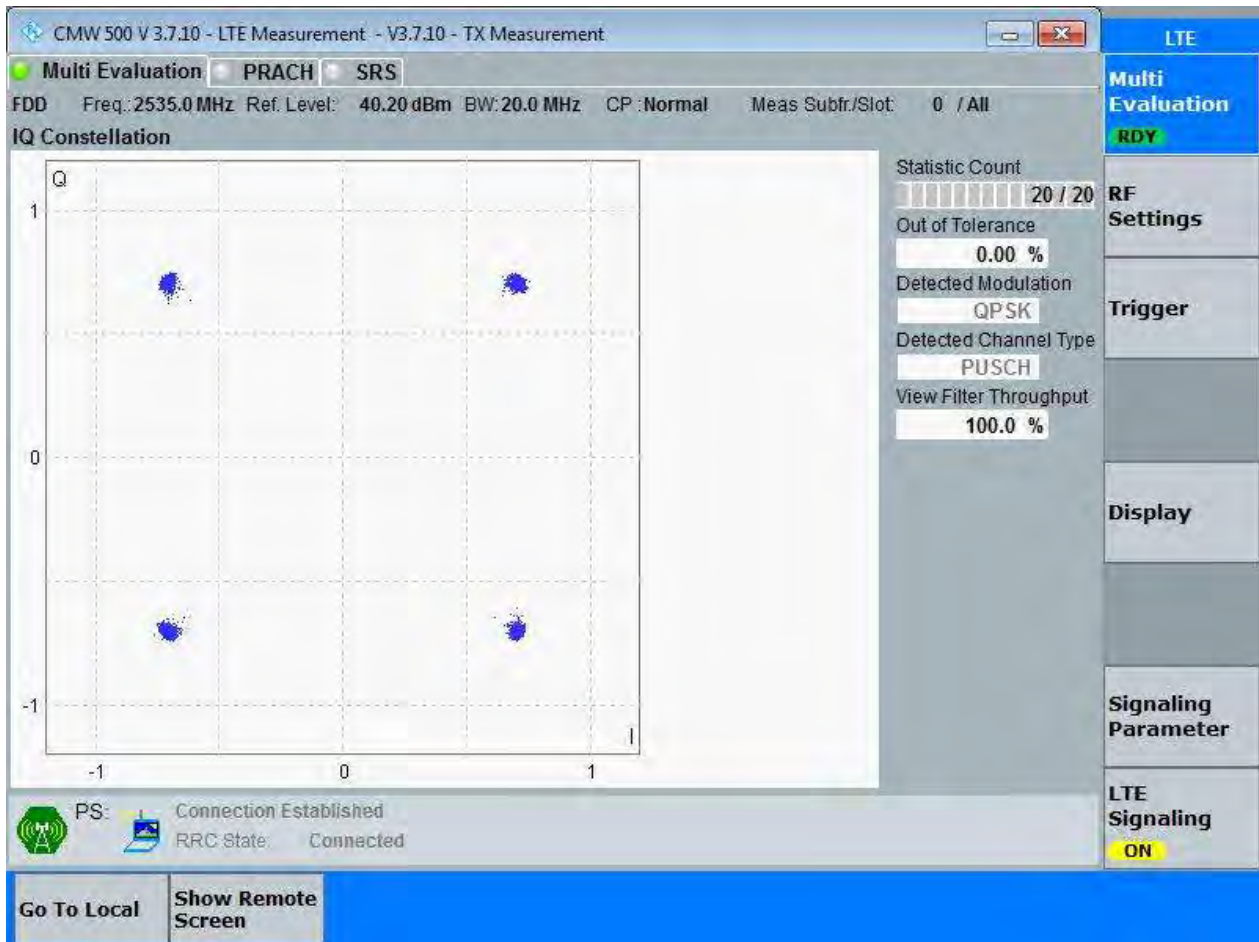
3.1.1.1.3.1.1 Test RB = RB75#0



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

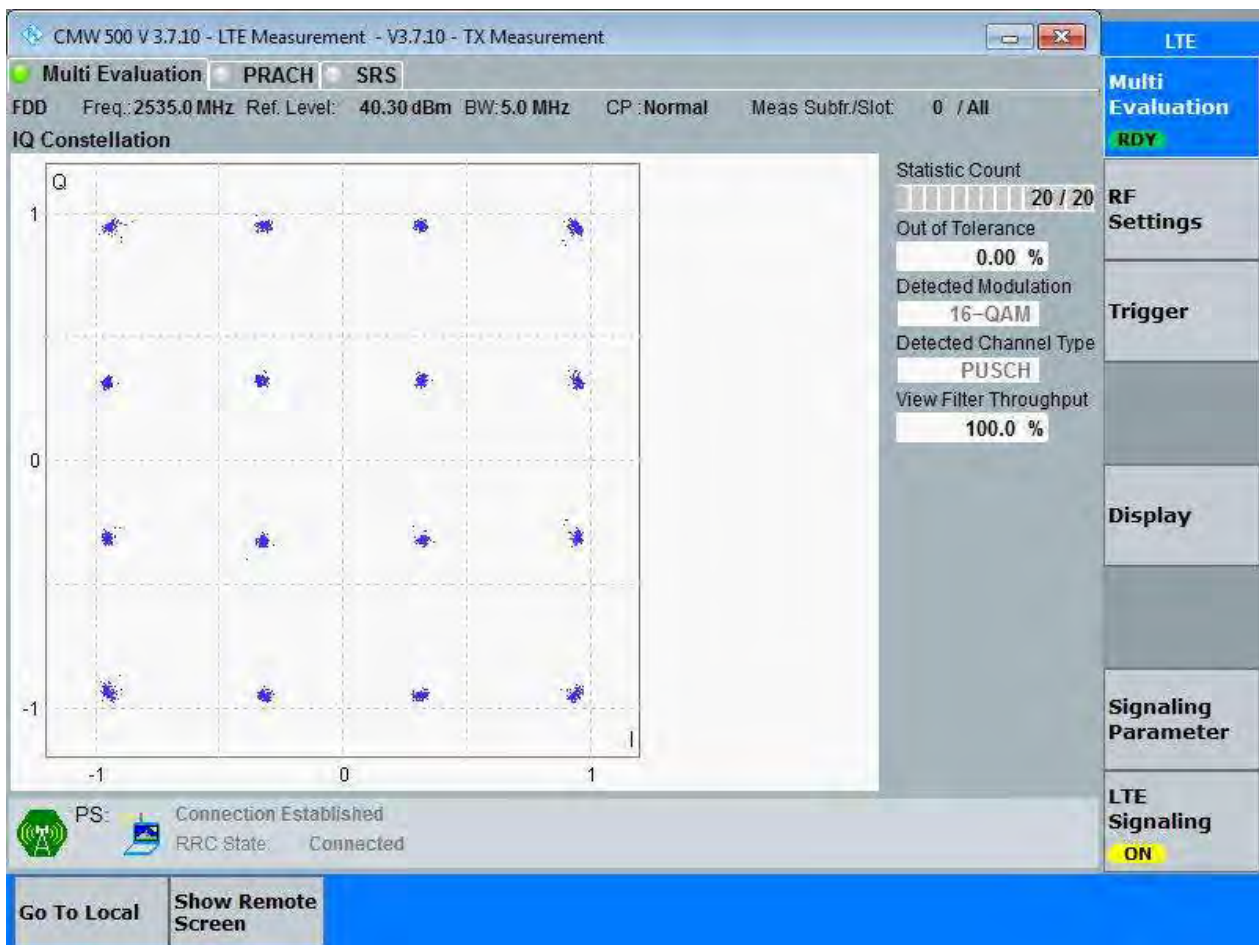


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

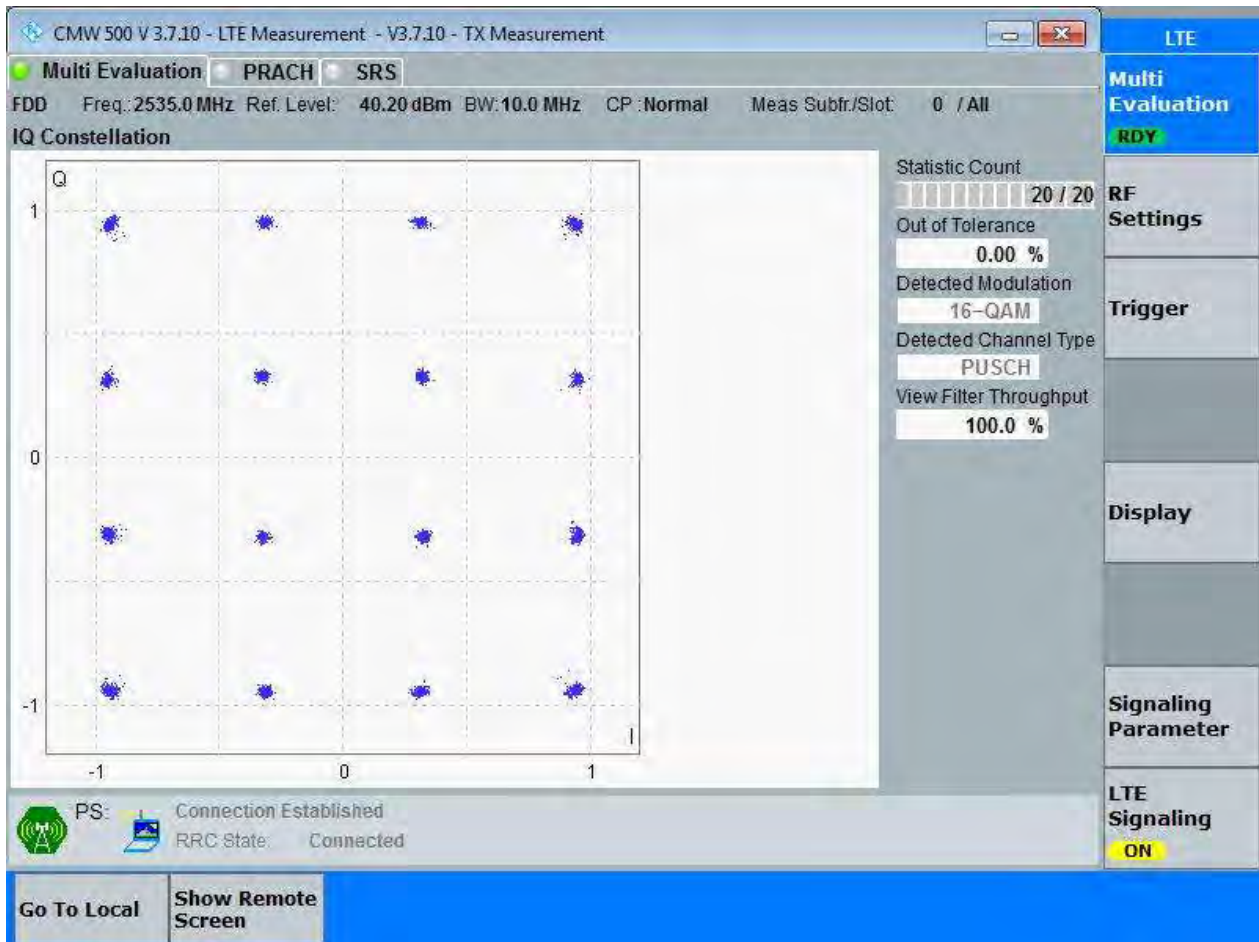
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

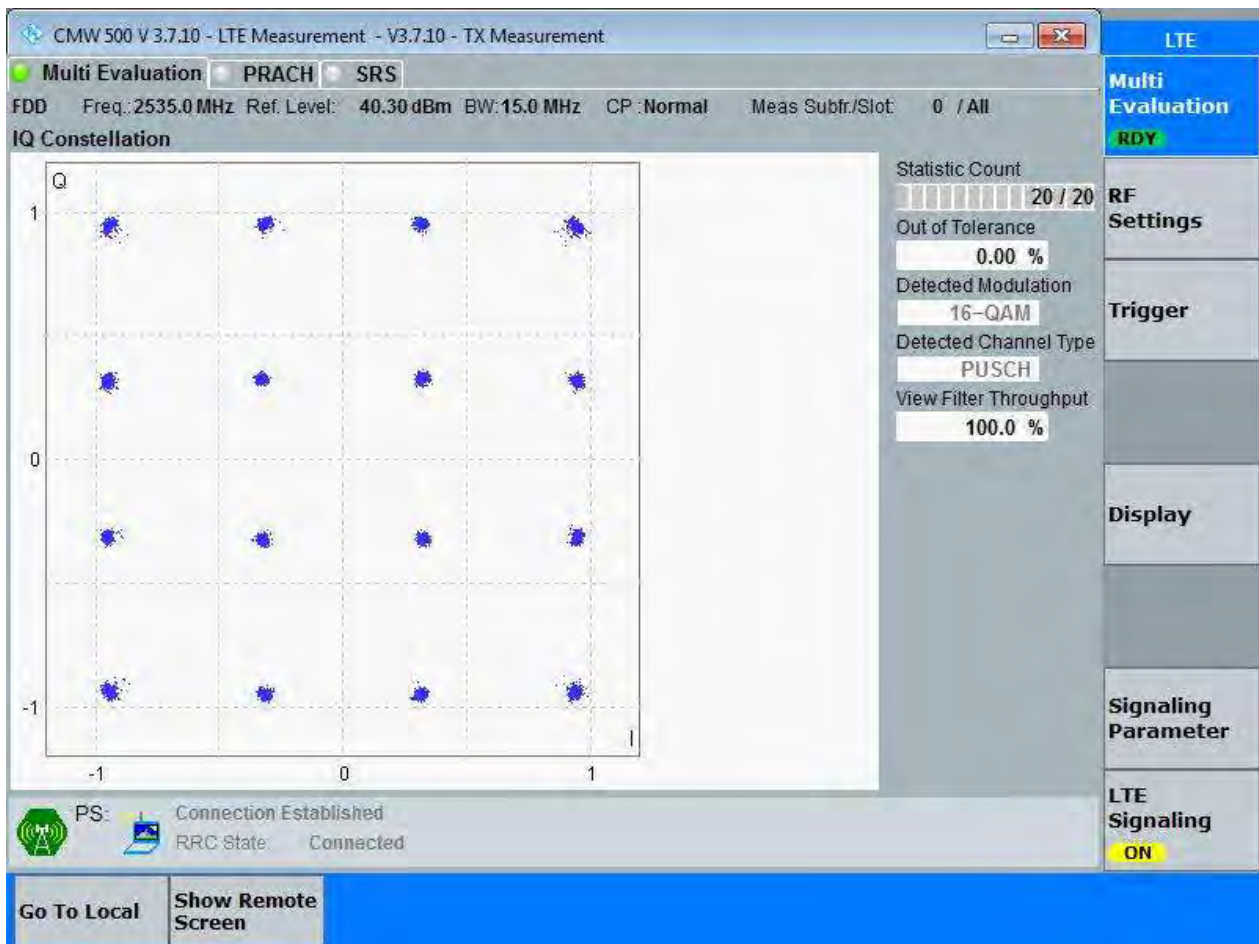
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

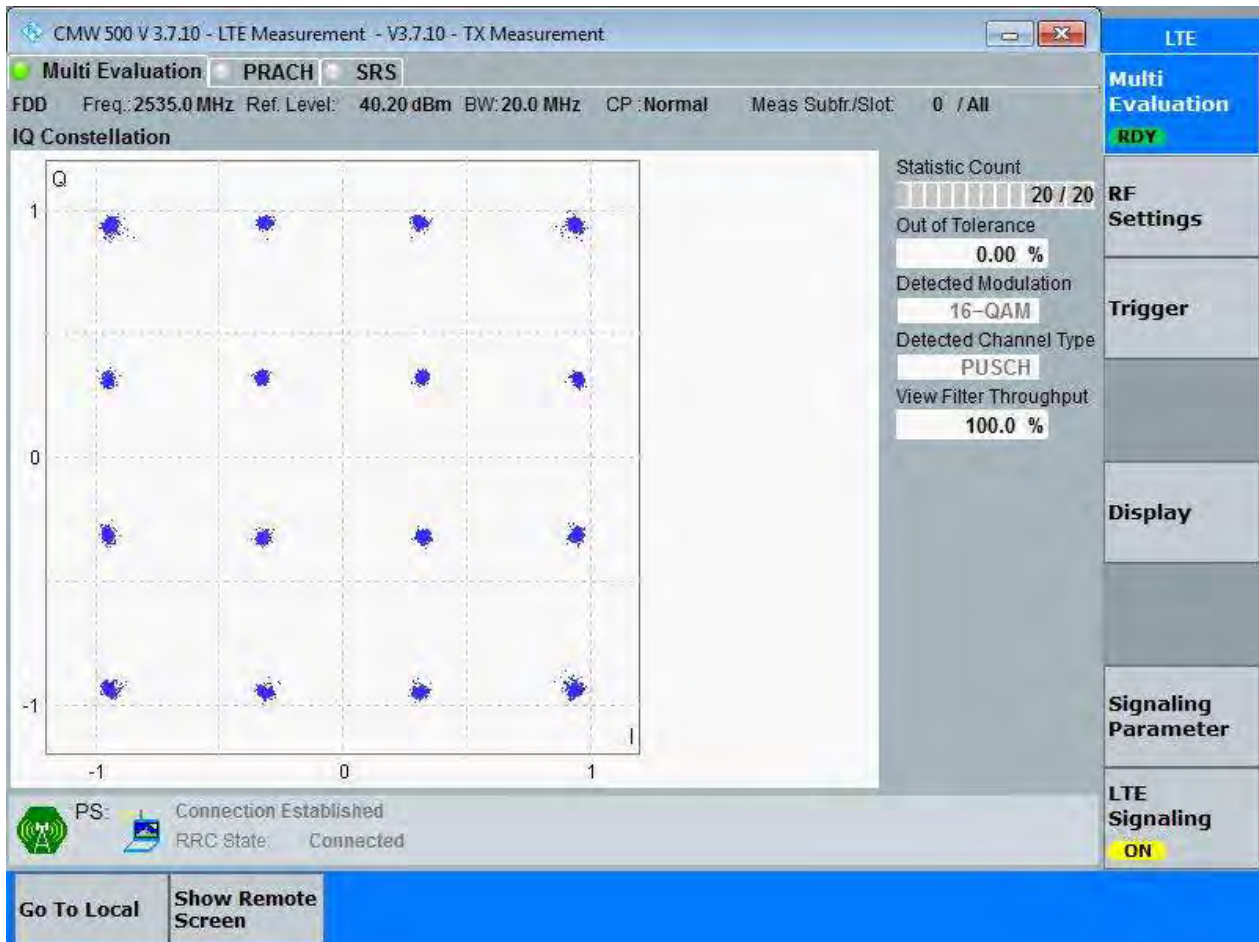
3.1.1.2.3.1.1 Test RB = RB75#0



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
BAND7	LTE/TM1	5	LCH	RB25#0	4.52	4.98	Pass
			MCH	RB25#0	4.52	4.96	Pass
			HCH	RB25#0	4.52	4.98	Pass
		10	LCH	RB50#0	9.00	9.96	Pass
			MCH	RB50#0	9.00	9.89	Pass
			HCH	RB50#0	8.99	9.91	Pass
		15	LCH	RB75#0	13.52	15.02	Pass
			MCH	RB75#0	13.49	14.94	Pass
			HCH	RB75#0	13.53	15.06	Pass
		20	LCH	RB100#0	18.06	19.82	Pass
			MCH	RB100#0	17.96	19.79	Pass
			HCH	RB100#0	18.03	19.81	Pass
	LTE/TM2	5	LCH	RB25#0	4.52	4.98	Pass
			MCH	RB25#0	4.53	4.96	Pass
			HCH	RB25#0	4.52	5.15	Pass
		10	LCH	RB50#0	9.02	9.95	Pass
			MCH	RB50#0	9.02	10.02	Pass
			HCH	RB50#0	9.00	9.95	Pass
		15	LCH	RB75#0	13.50	14.96	Pass
			MCH	RB75#0	13.50	14.98	Pass
			HCH	RB75#0	13.55	15.02	Pass
		20	LCH	RB100#0	18.04	19.87	Pass
			MCH	RB100#0	17.98	19.87	Pass
			HCH	RB100#0	18.01	19.78	Pass

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND7

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

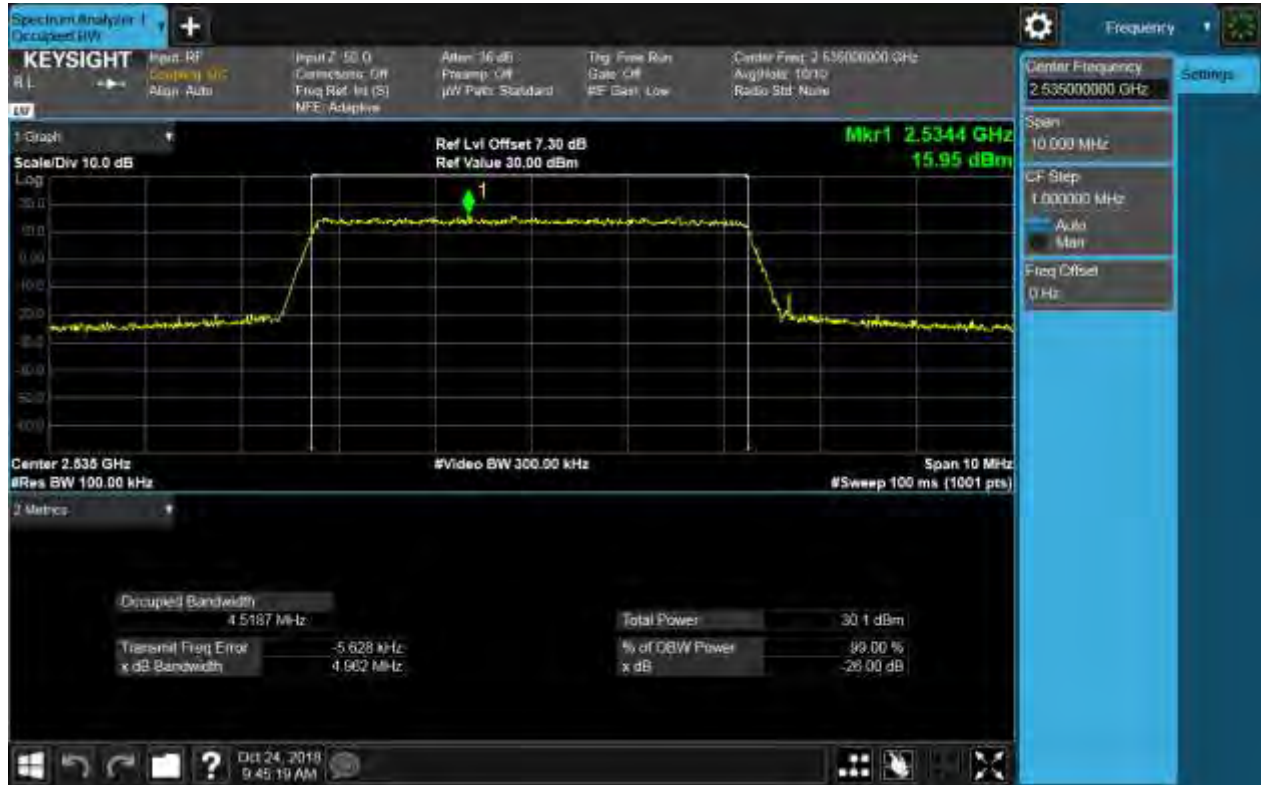
4.1.1.1.1.1 Test Channel = LCH

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

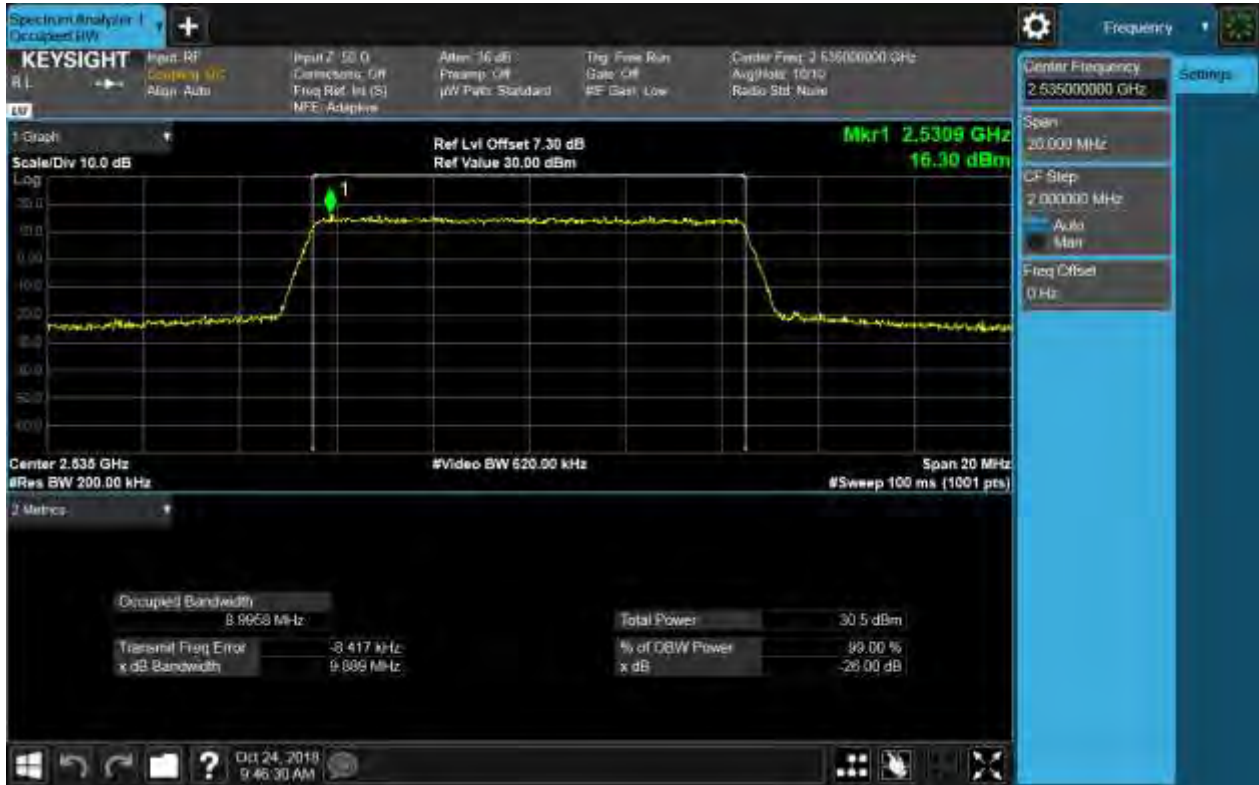
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0



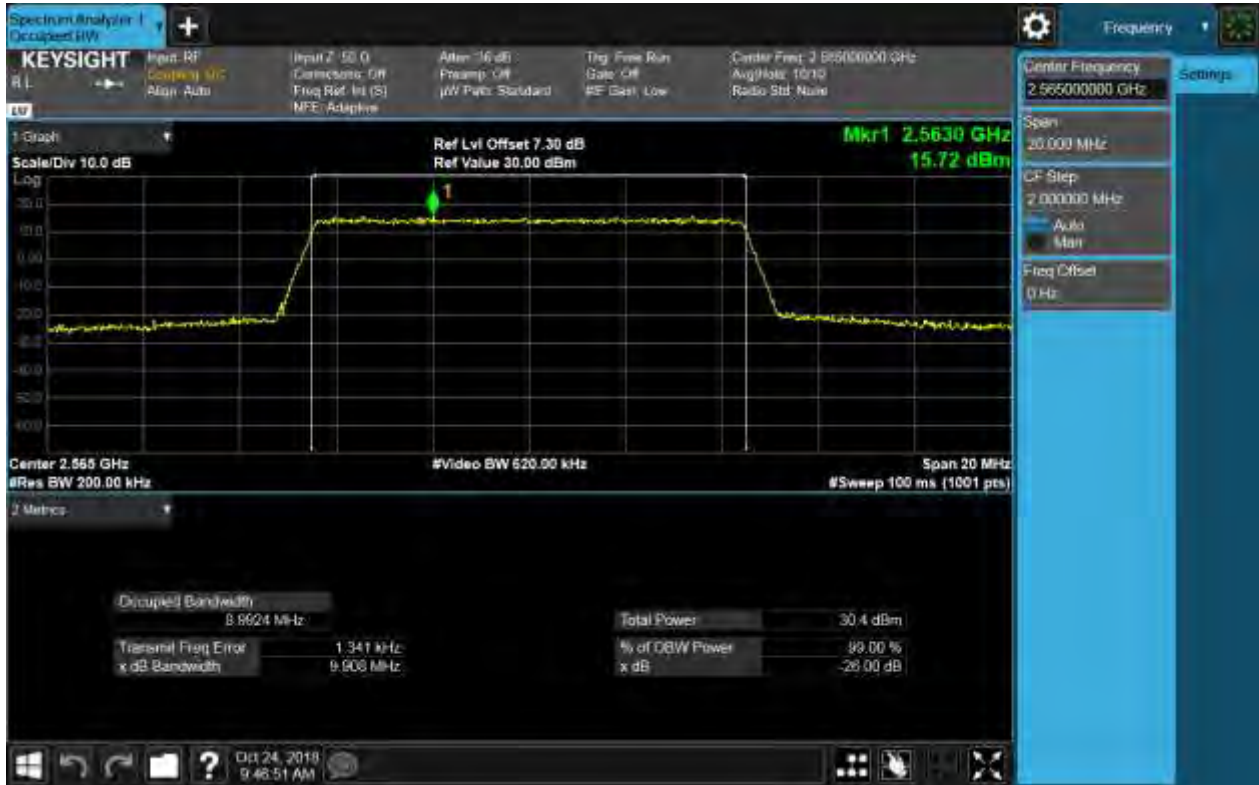
4.1.1.1.2.2 Test Channel = MCH

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

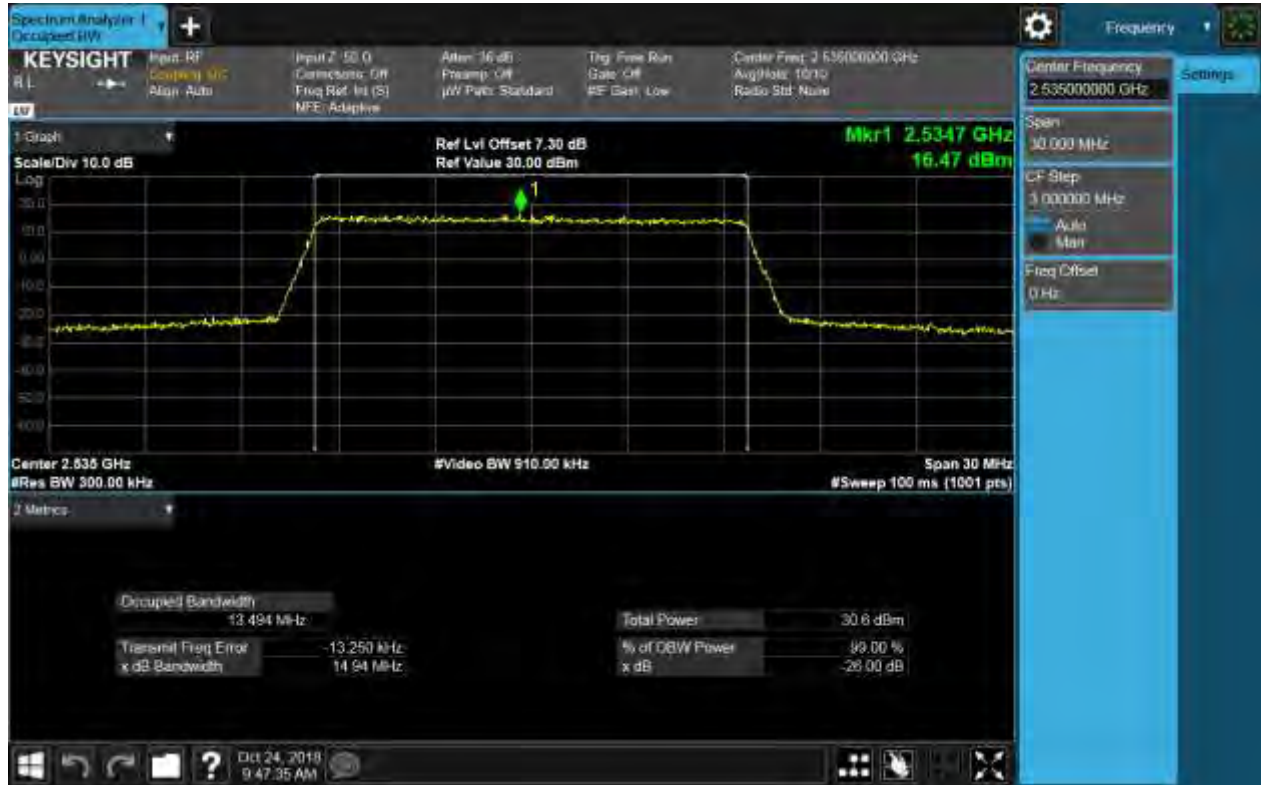
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB75#0



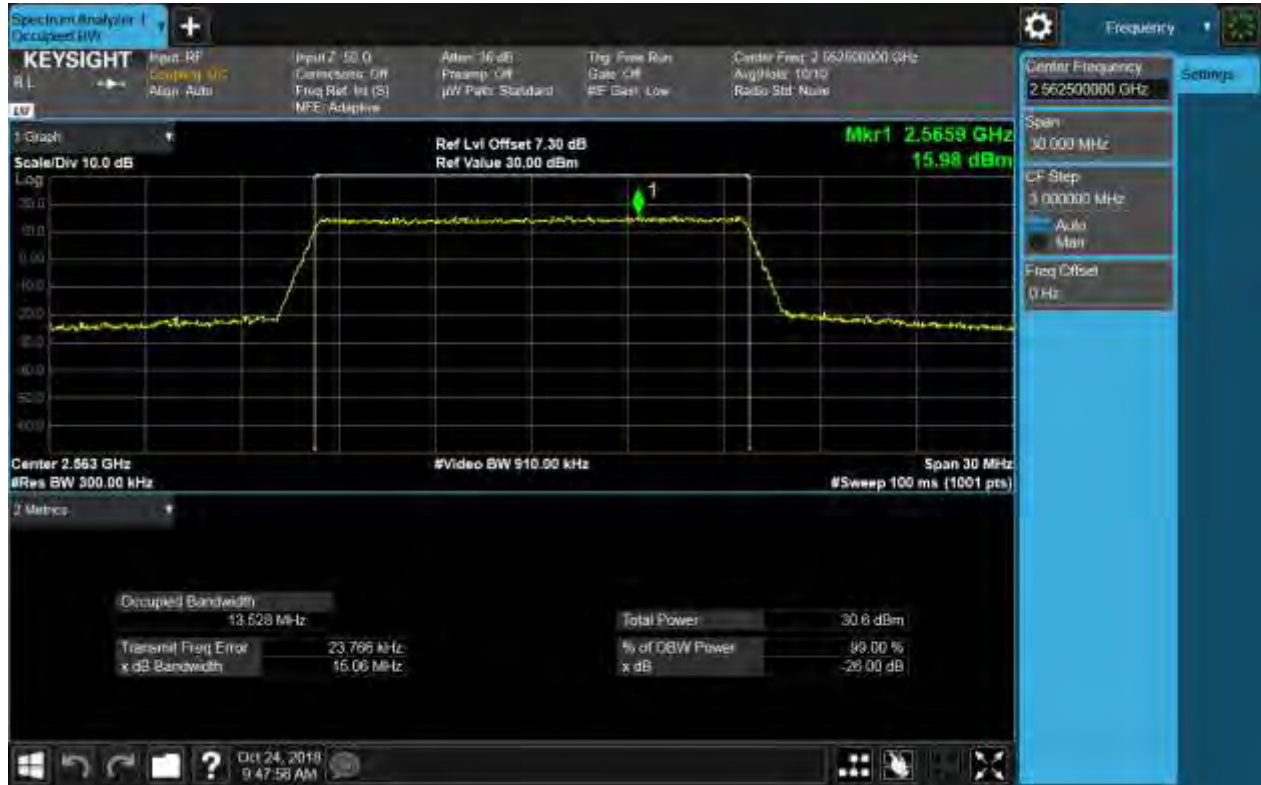
4.1.1.1.3.2 Test Channel = MCH

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

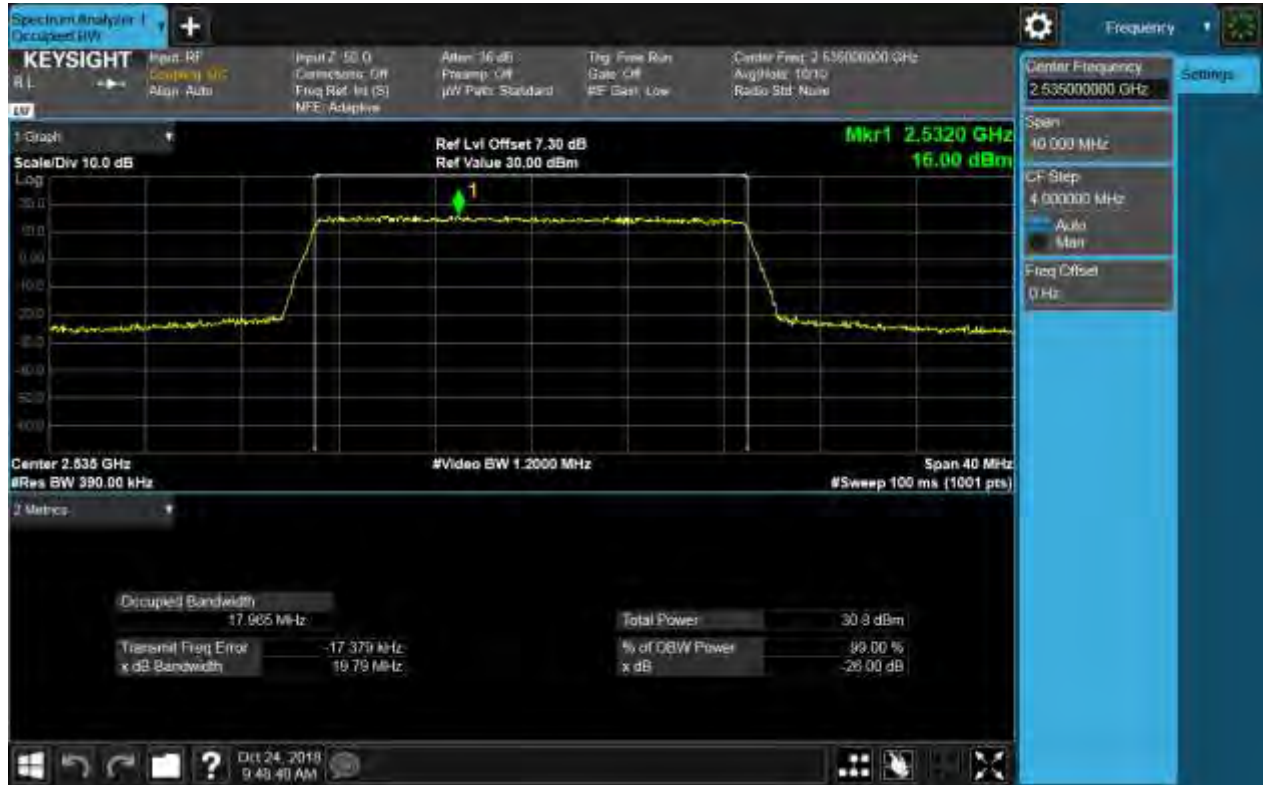
4.1.1.1.4.1 Test Channel = LCH

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

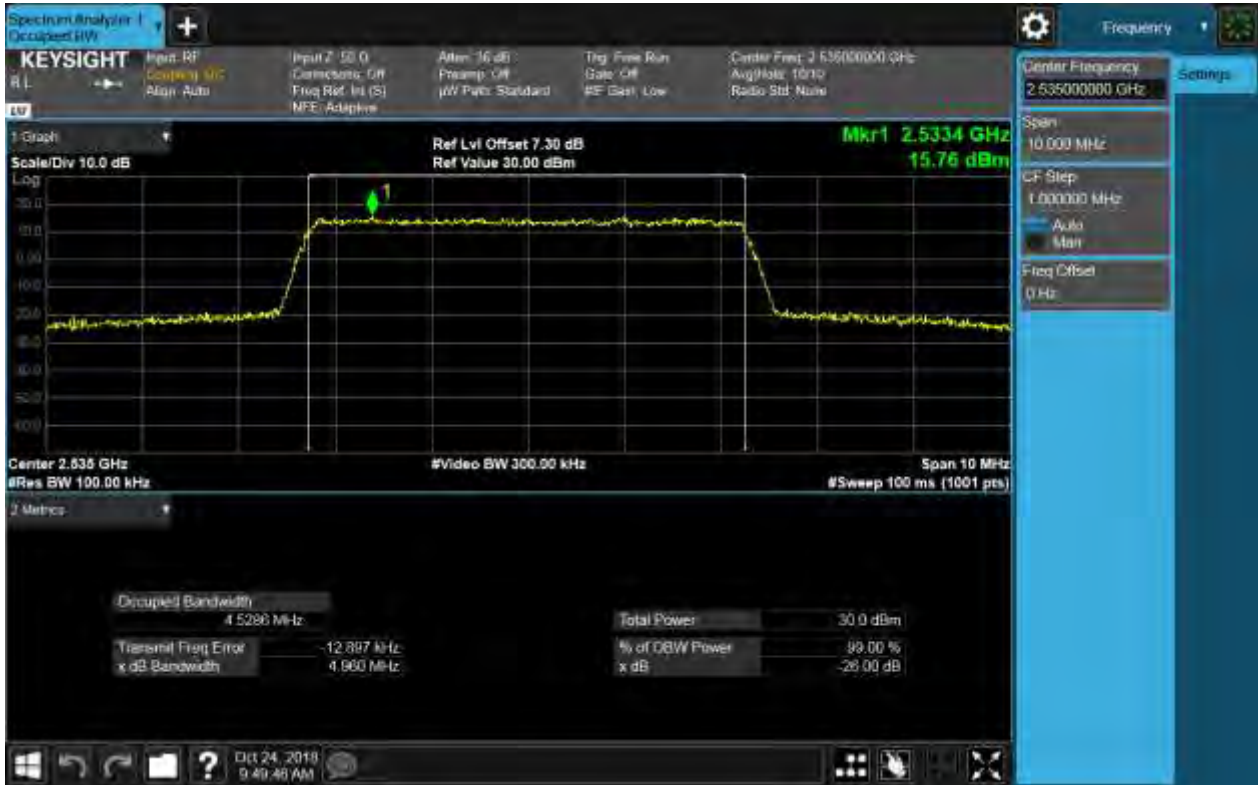
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB25#0



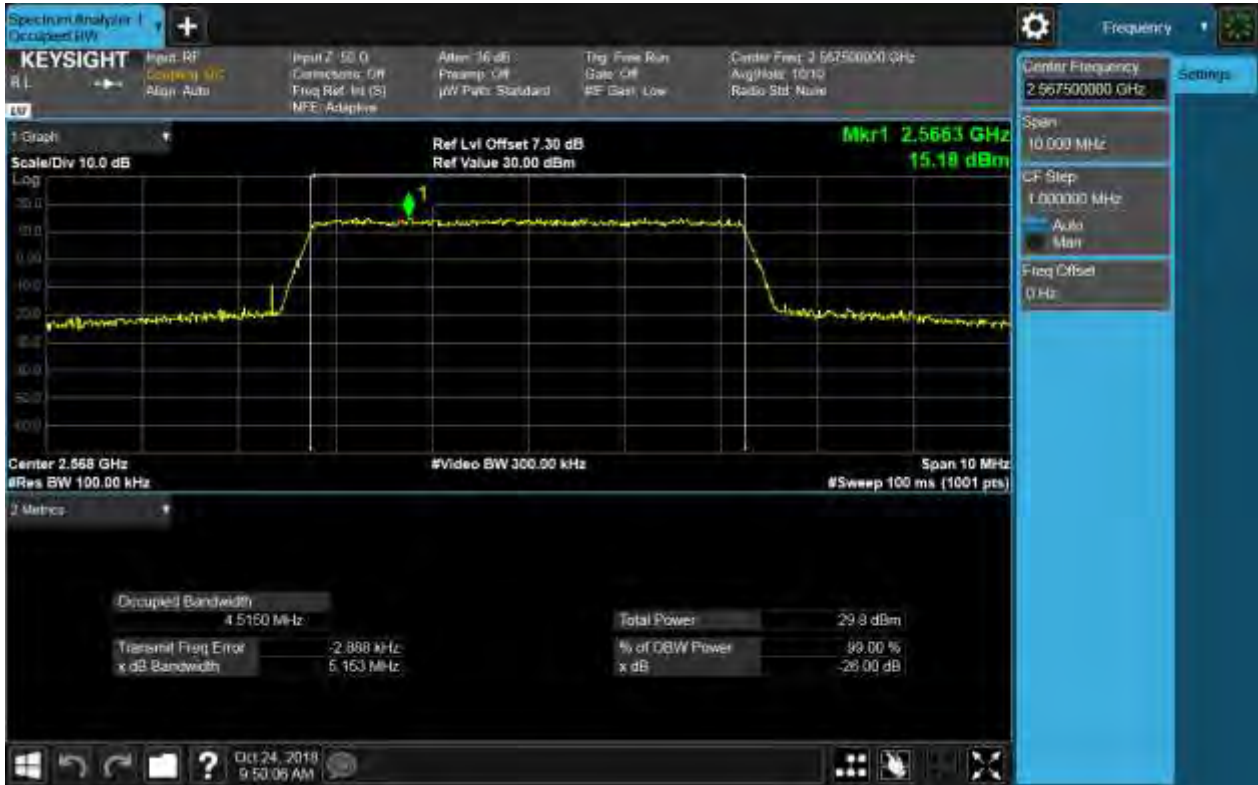
4.1.1.2.1.2 Test Channel = MCH

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

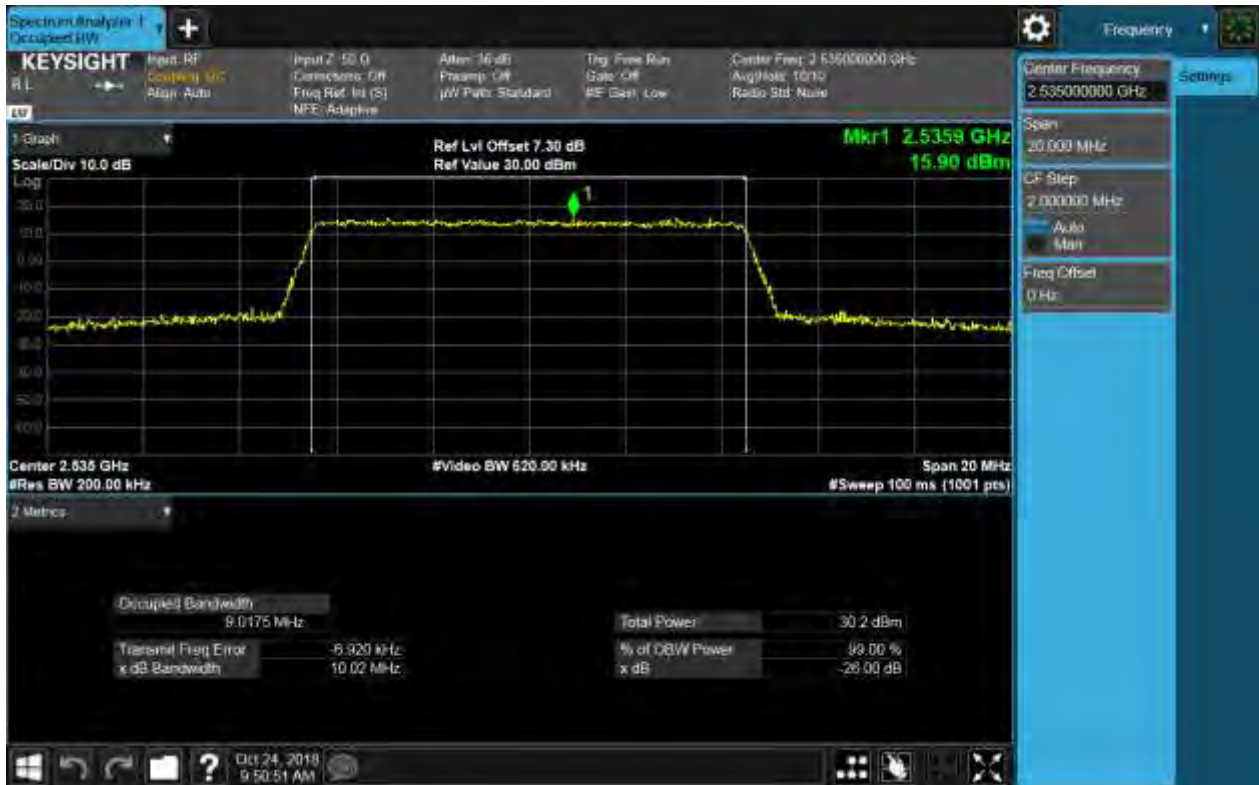
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0



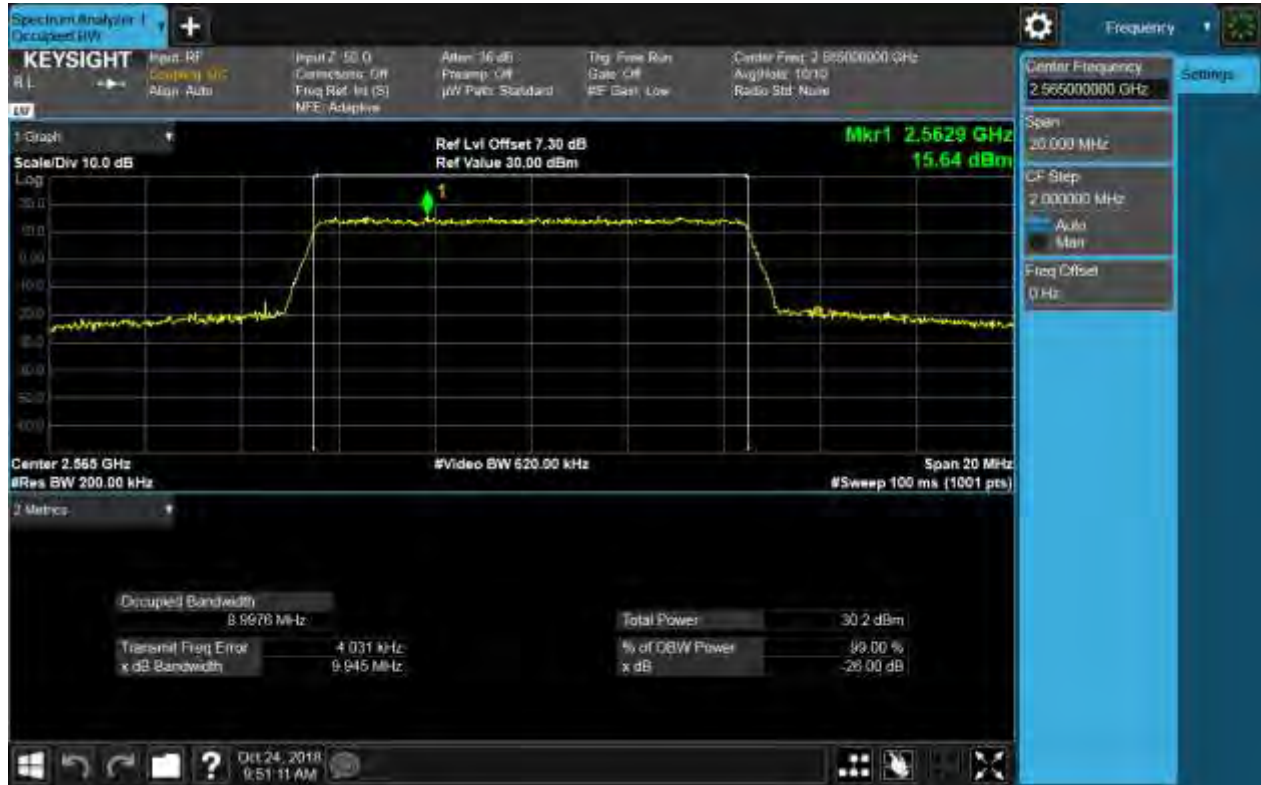
4.1.1.2.2.2 Test Channel = MCH

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

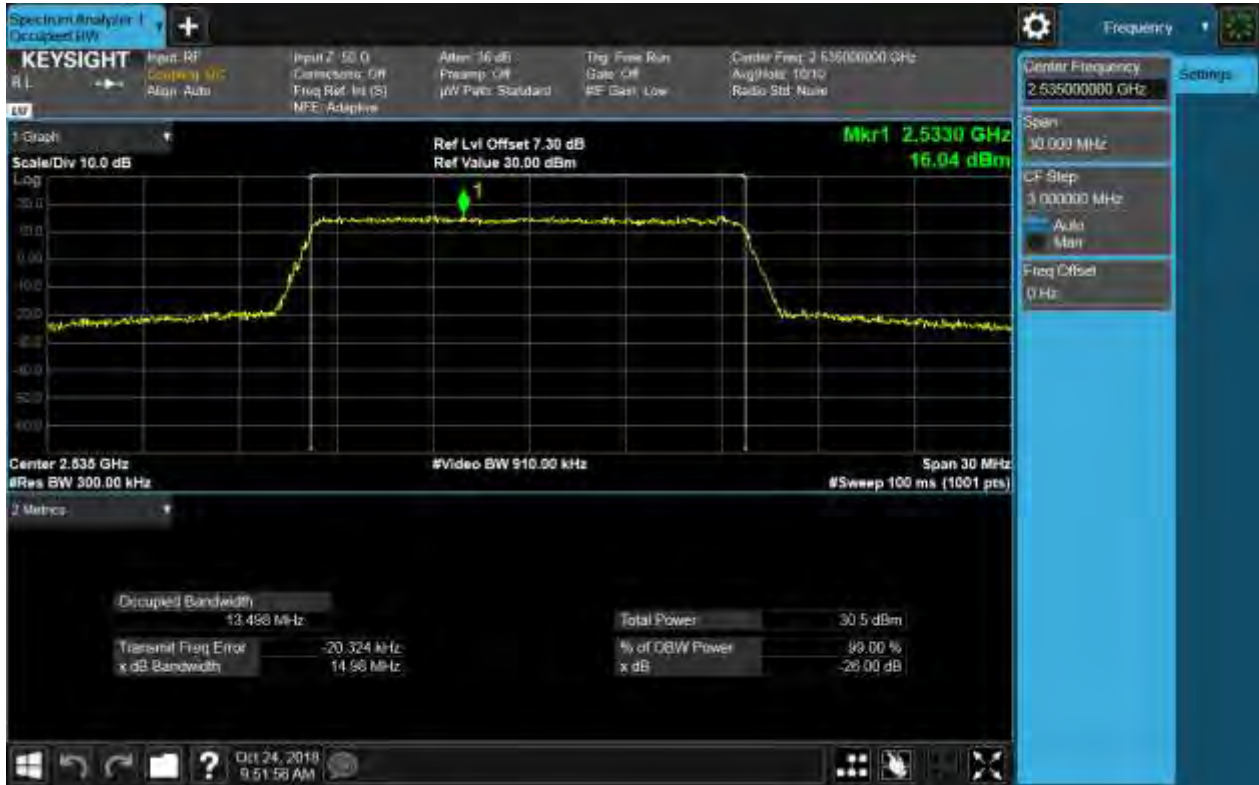
4.1.1.2.3.1 Test Channel = LCH

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

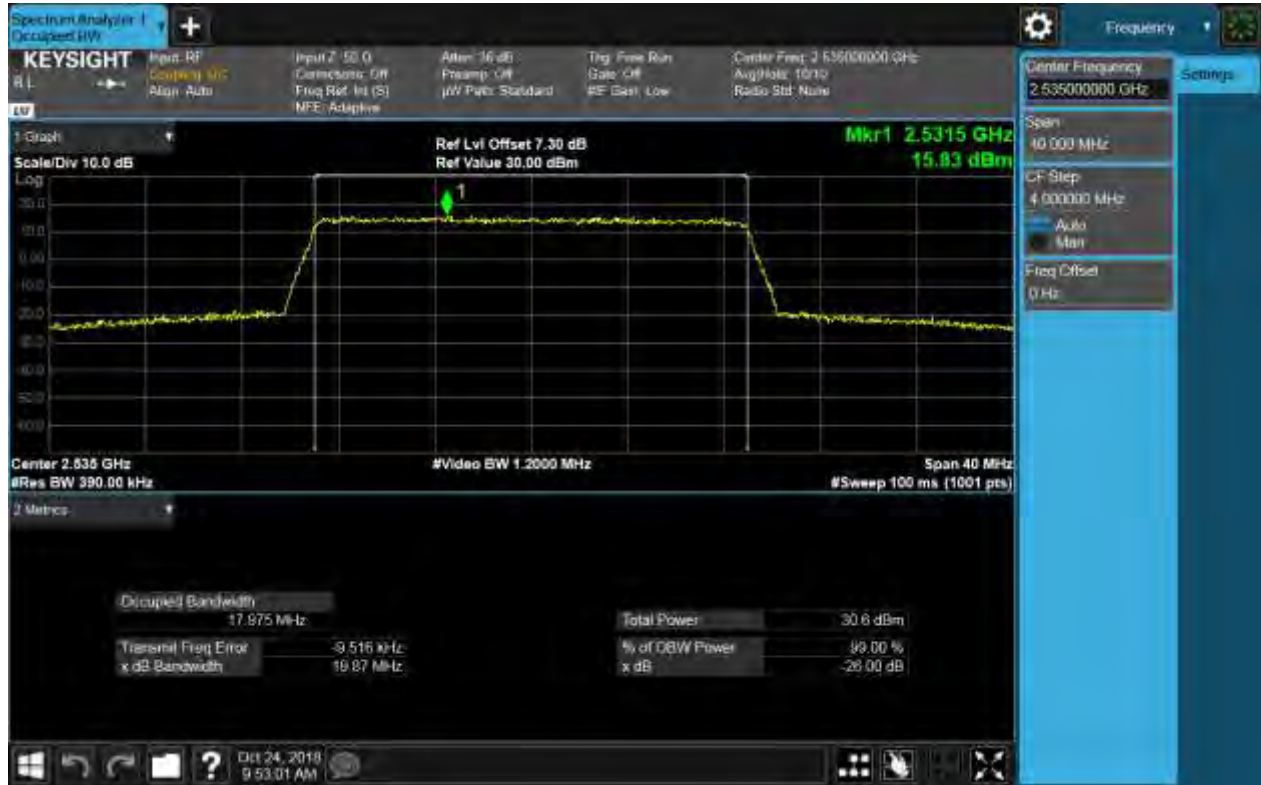
4.1.1.2.4.1 Test Channel = LCH

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

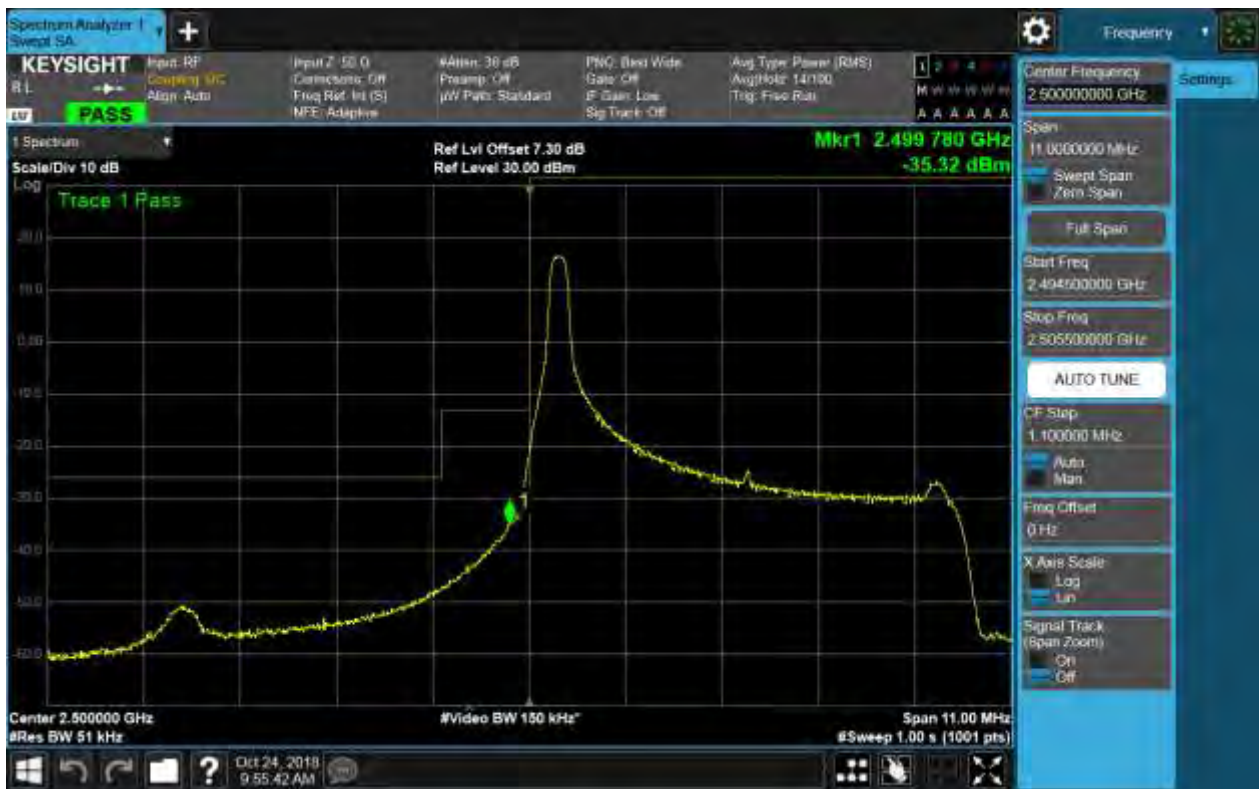
5.1.1 Test Band = BAND7

5.1.1.1 Test Mode = LTE/TM1

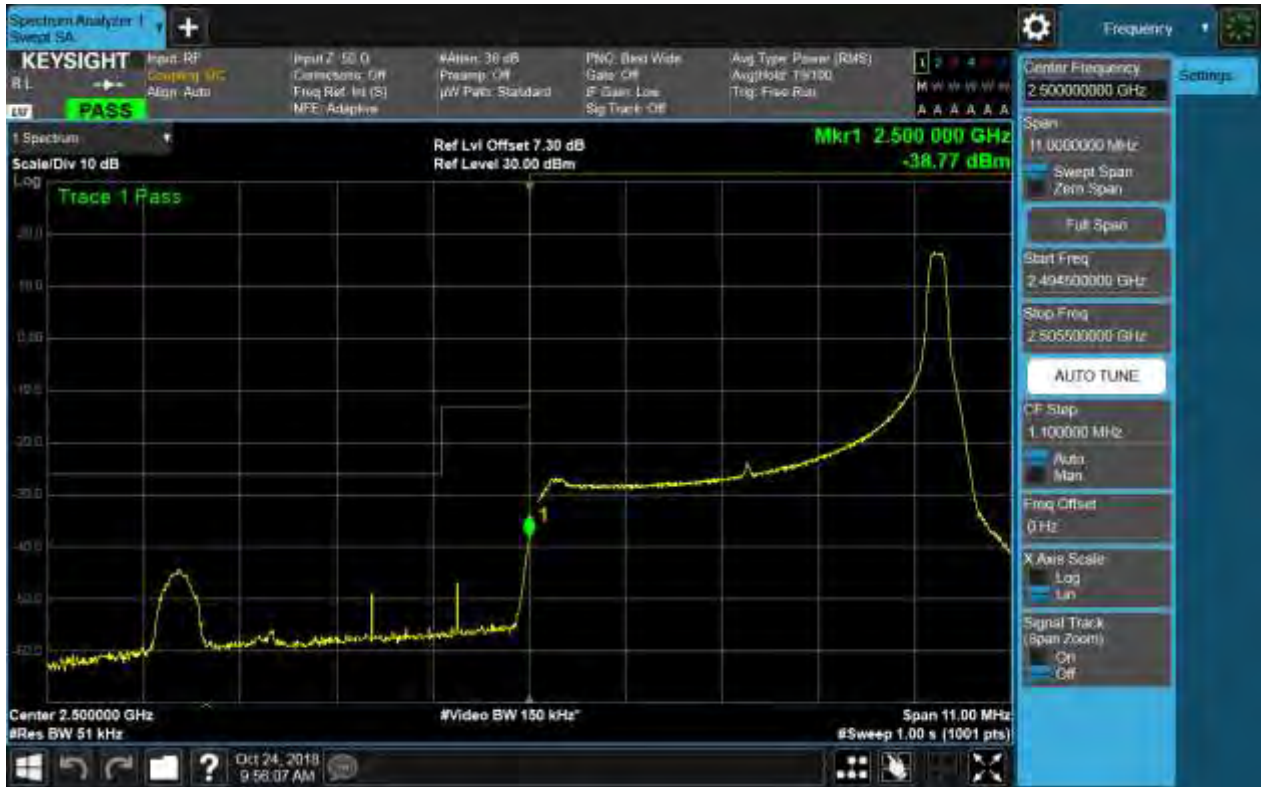
5.1.1.1.1 Test Bandwidth = 5

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



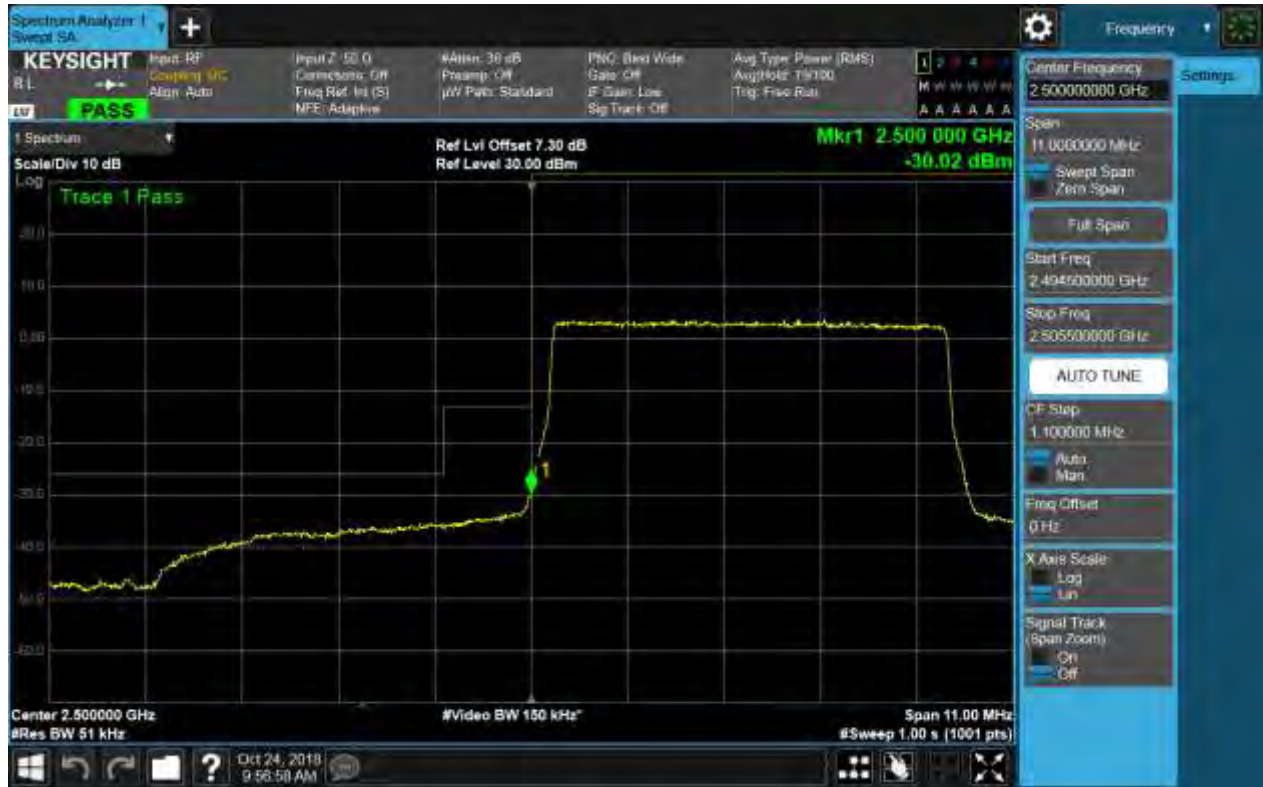
5.1.1.1.1.2 Test RB = RB1#24



5.1.1.1.1.3 Test RB = RB12#6

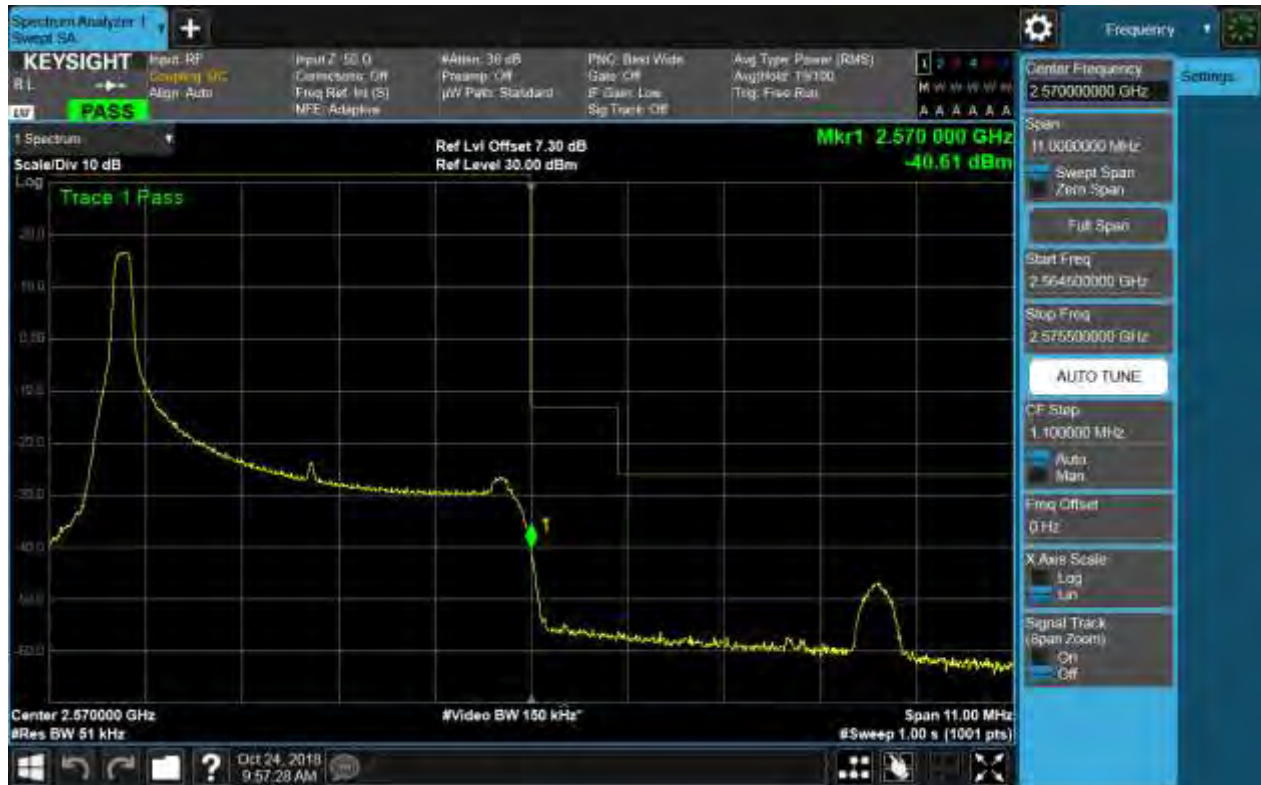


5.1.1.1.1.4 Test RB = RB25#0

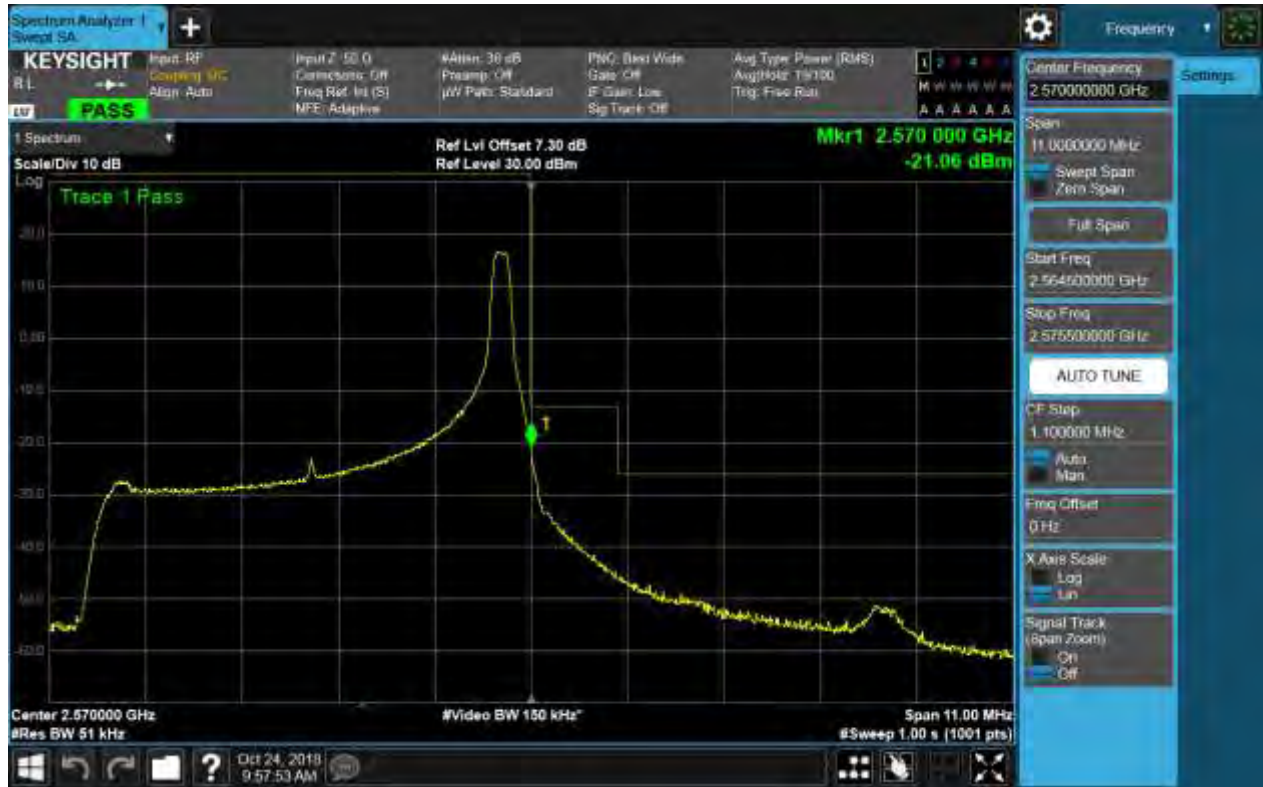


5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



5.1.1.1.1.2.2 Test RB = RB1#24



5.1.1.1.1.2.3 Test RB = RB12#6



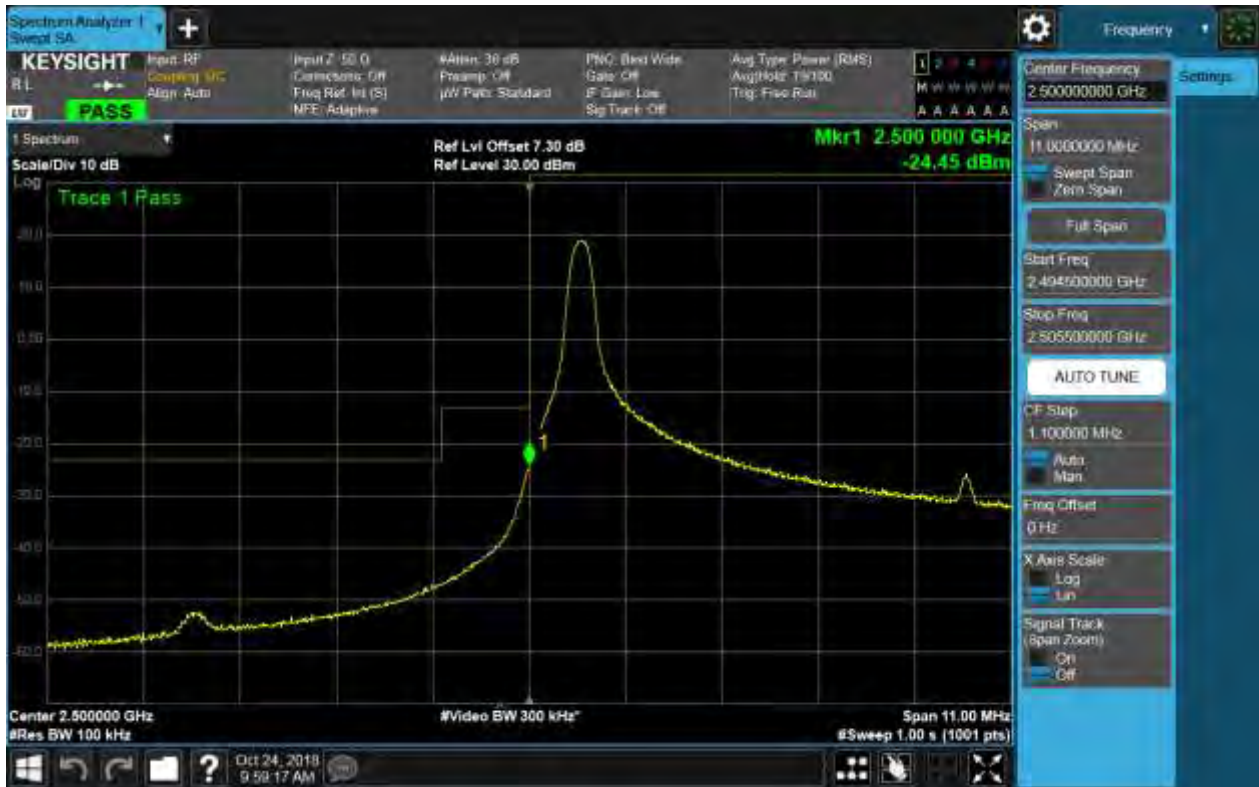
5.1.1.1.1.2.4 Test RB = RB25#0



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

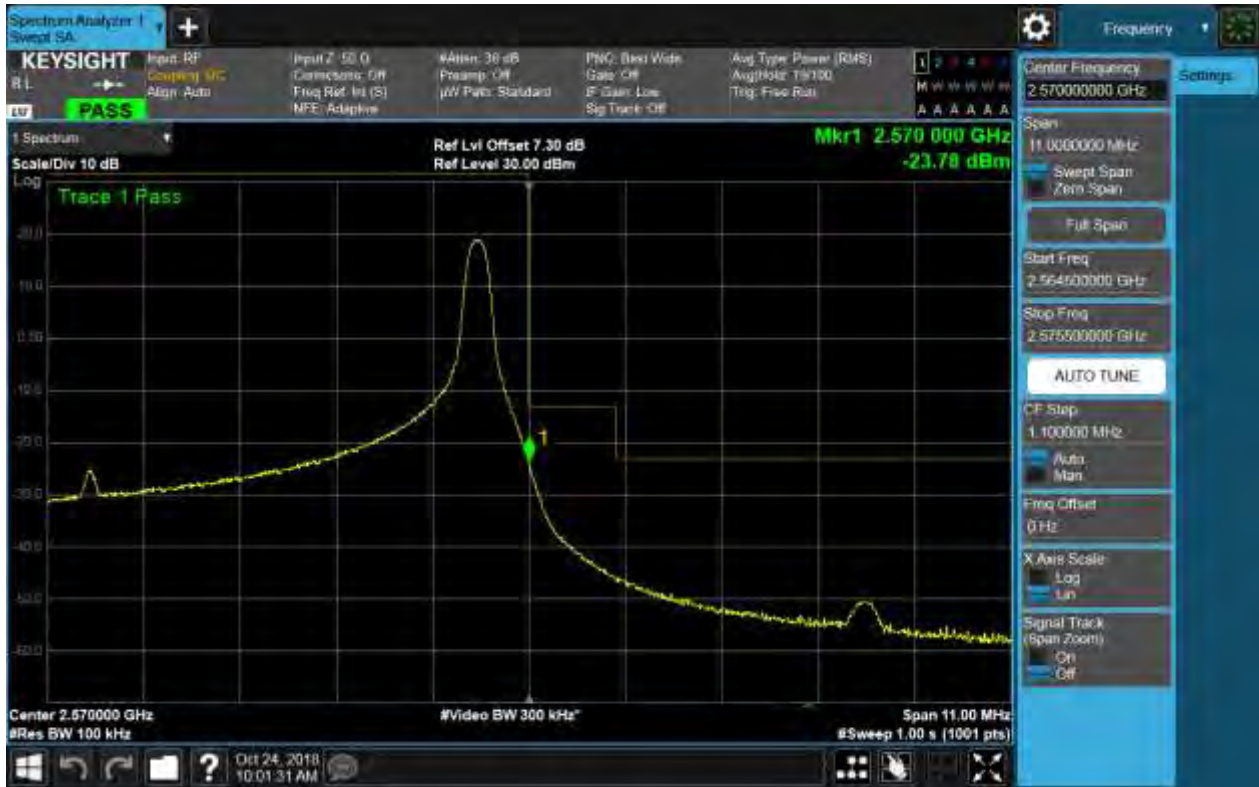


5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



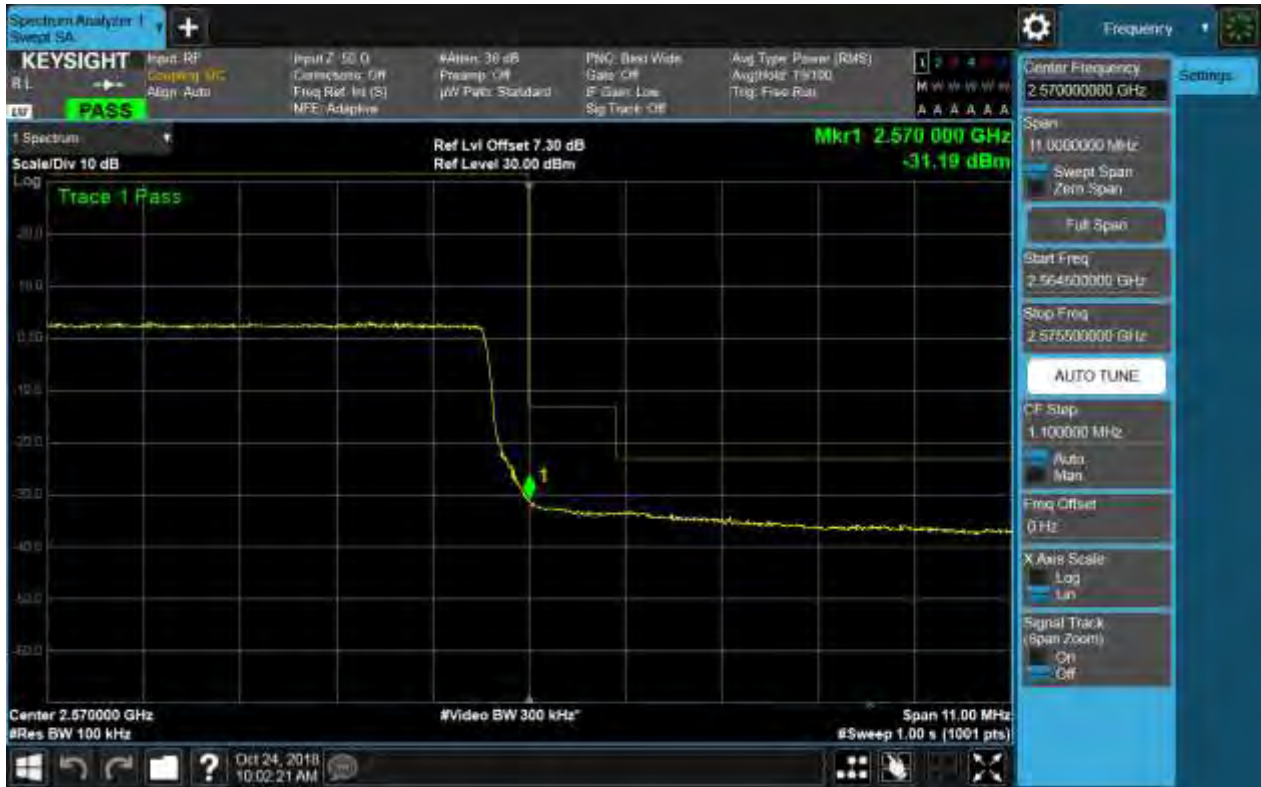
5.1.1.1.2.2.2 Test RB = RB1#49



5.1.1.1.2.2.3 Test RB = RB25#13



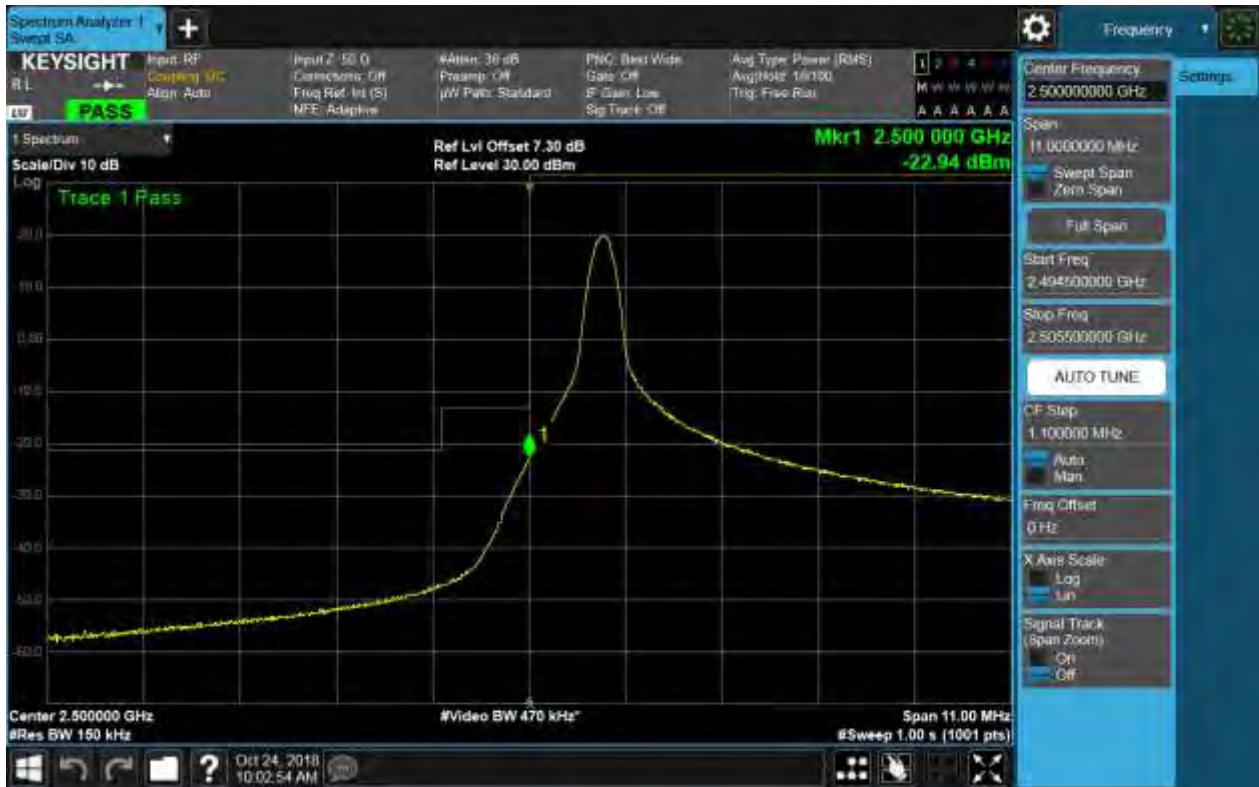
5.1.1.1.2.2.4 Test RB = RB50#0



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 = RB38#19

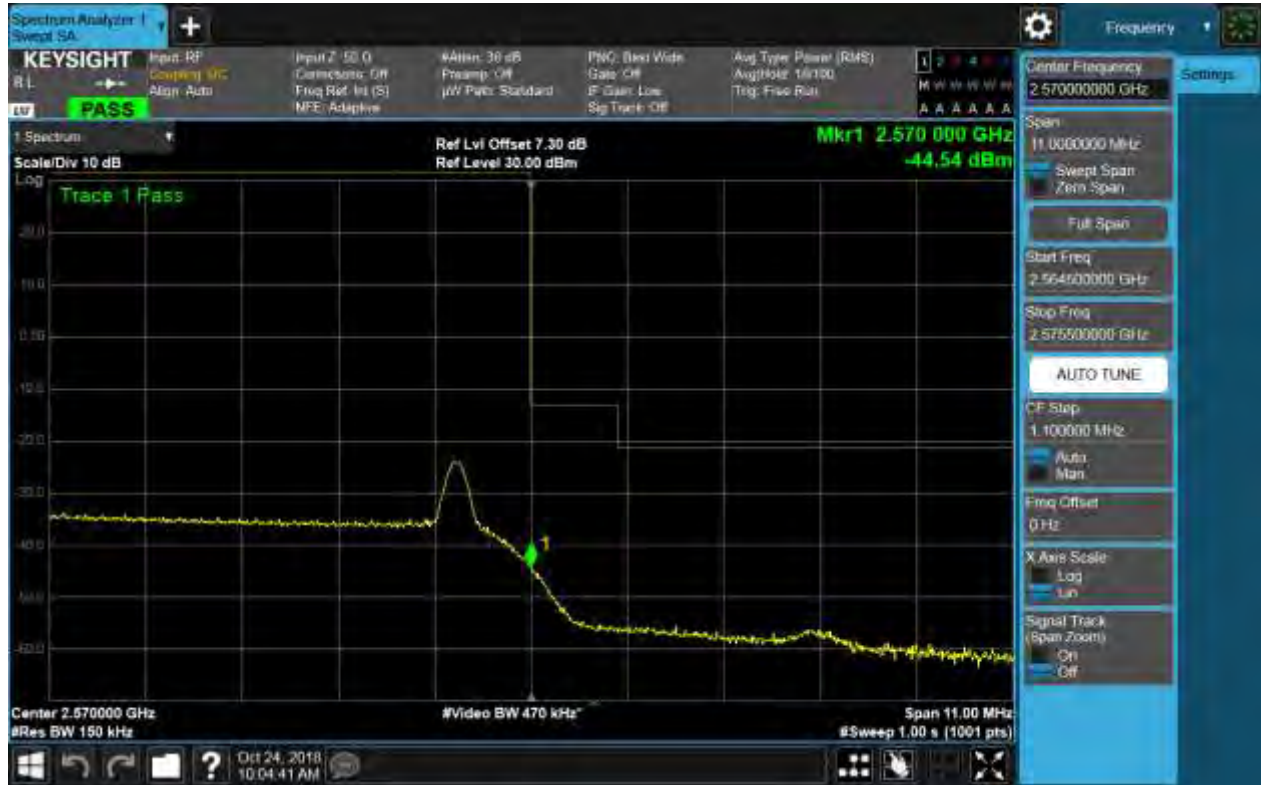


5.1.1.1.3.1.4 Test RB = RB75#0

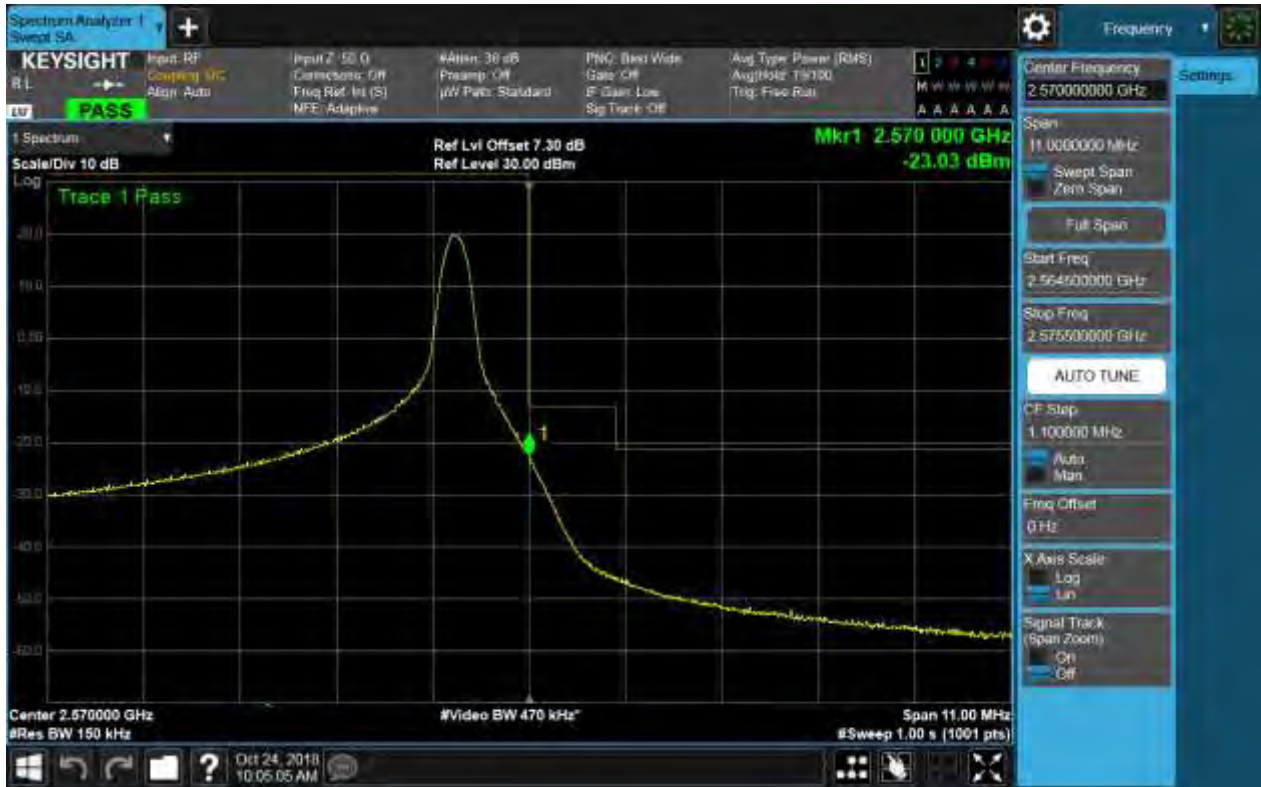


5.1.1.1.3.2 Test Channel = HCH

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 = RB38#19



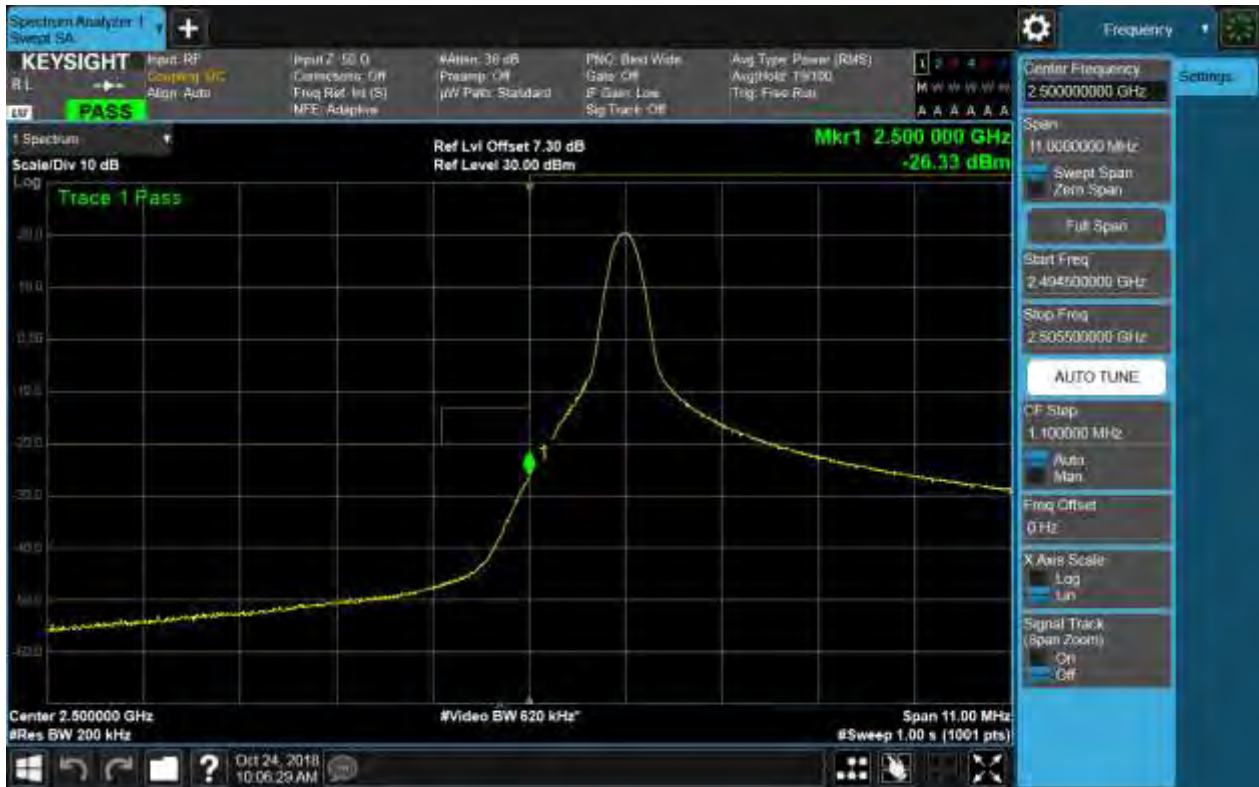
5.1.1.1.3.2.4 Test RB = RB75#0



5.1.1.1.4 Test Bandwidth = 20

5.1.1.1.4.1 Test Channel = LCH

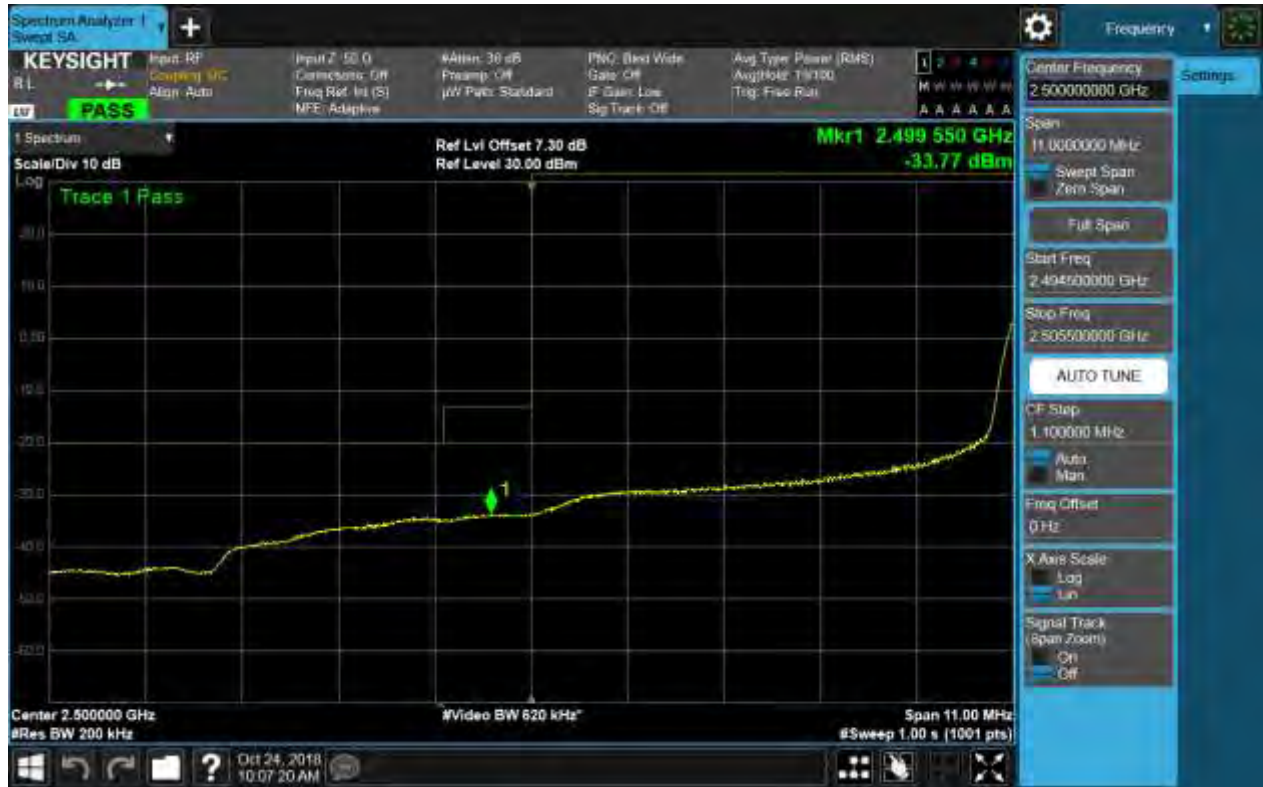
5.1.1.1.4.1.1 Test RB = RB1#0



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

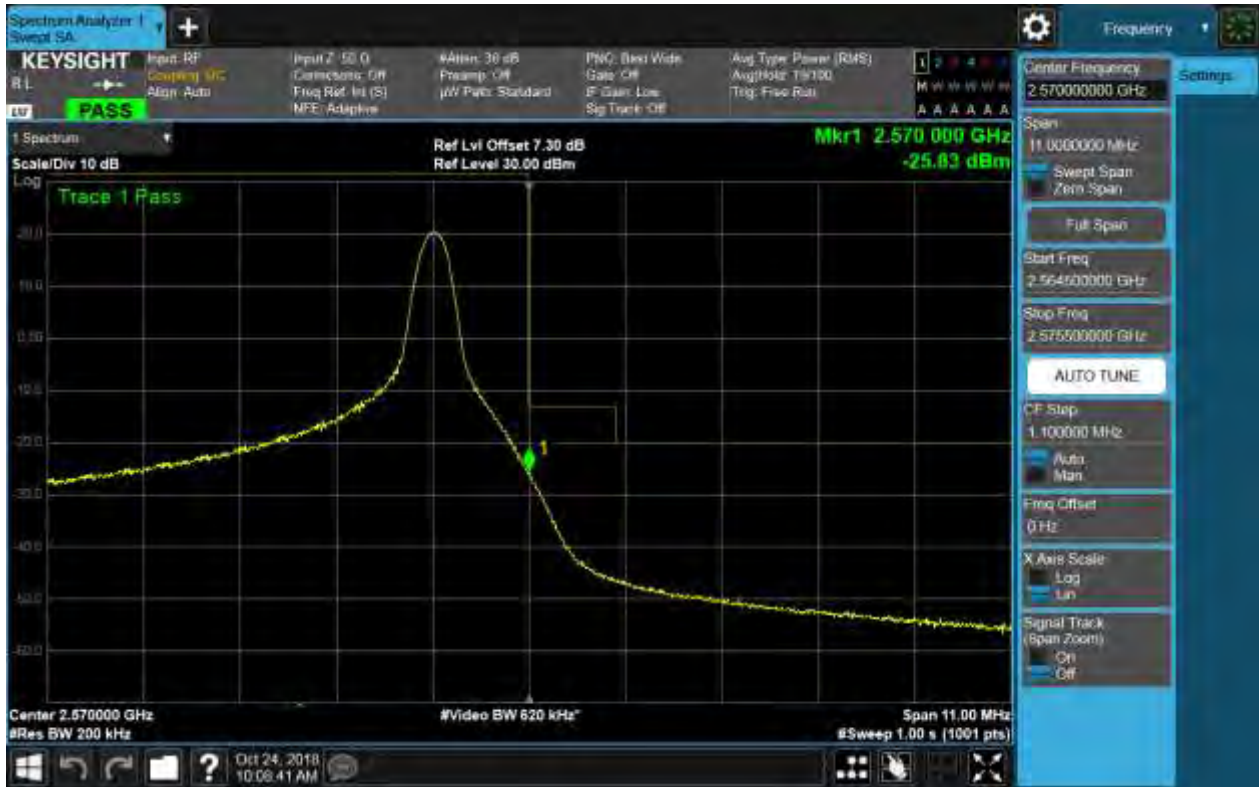


5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



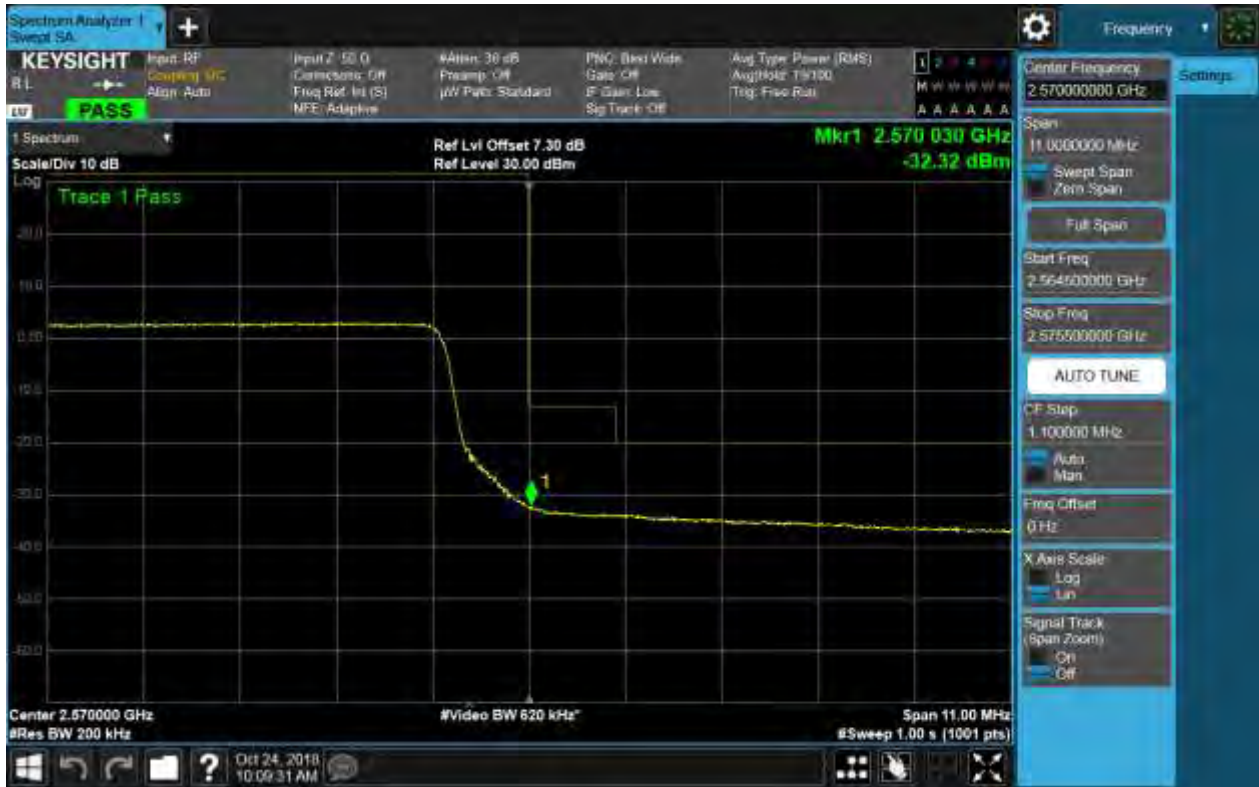
5.1.1.1.4.2.2 Test RB = RB1#99



5.1.1.1.4.2.3 Test RB = RB50#25



5.1.1.1.4.2.4 Test RB = RB100#0

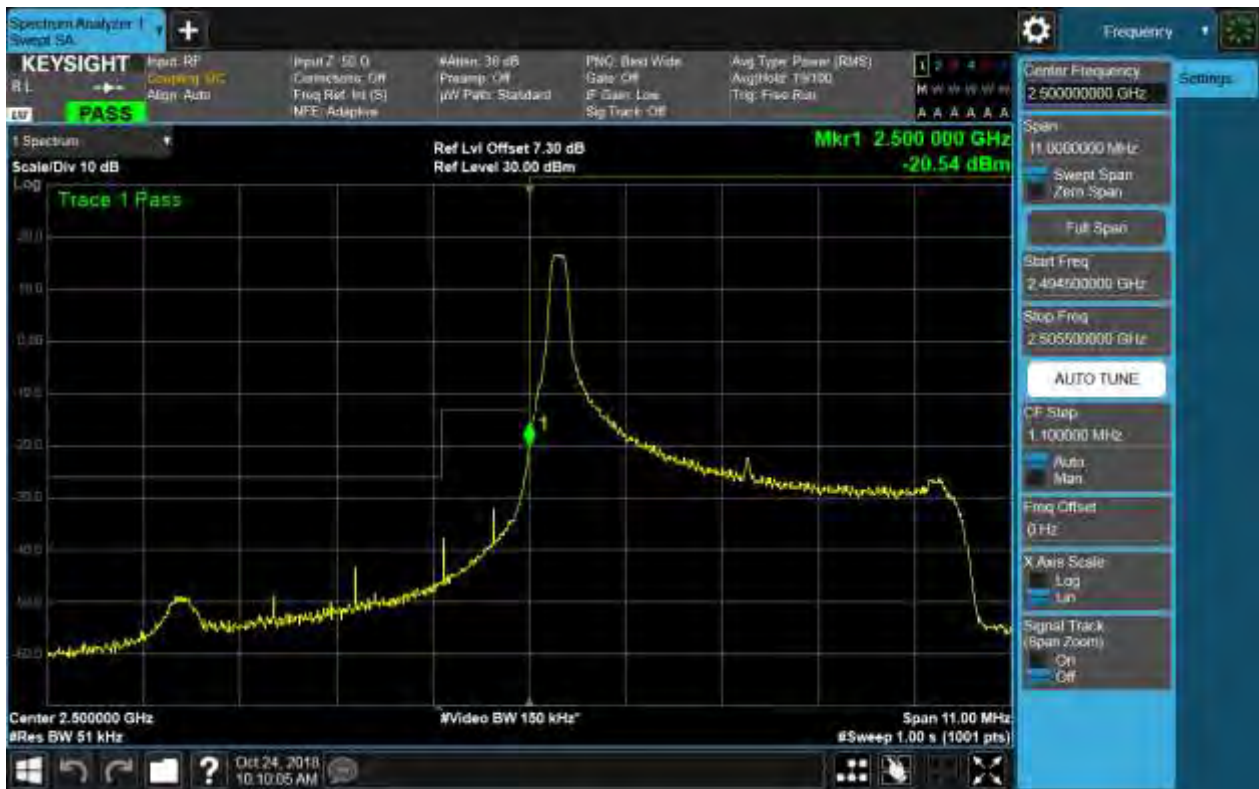


5.1.1.2 Test Mode = LTE/TM2

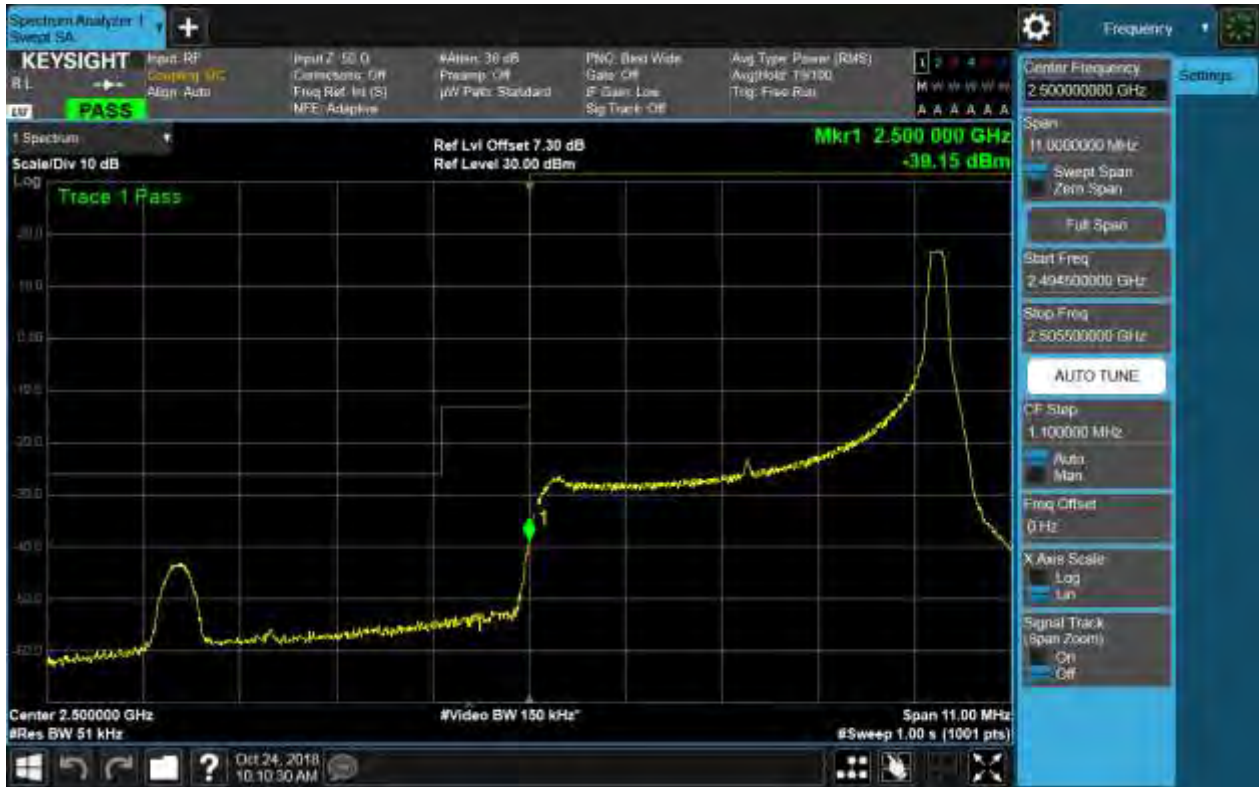
5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

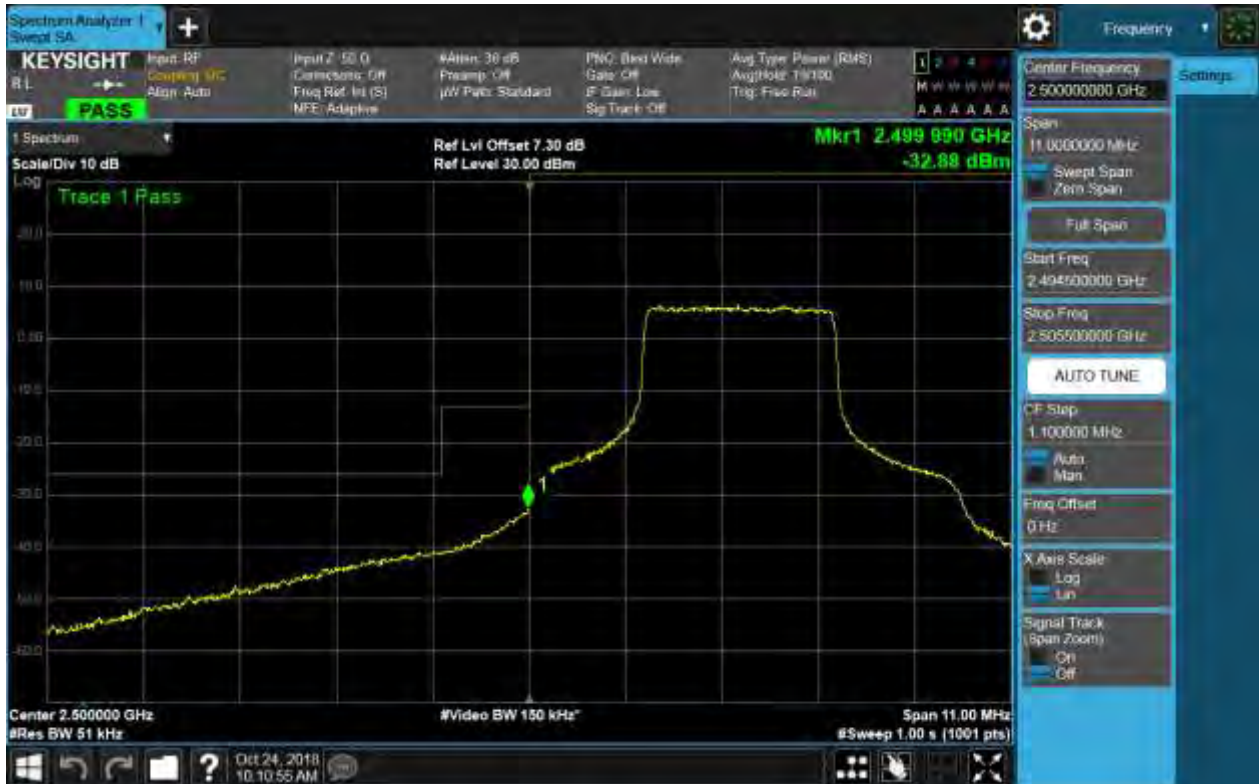
5.1.1.2.1.1.1 Test RB = RB1#0



5.1.1.2.1.1.2 Test RB = RB1#24



5.1.1.2.1.1.3 Test RB = RB12#6

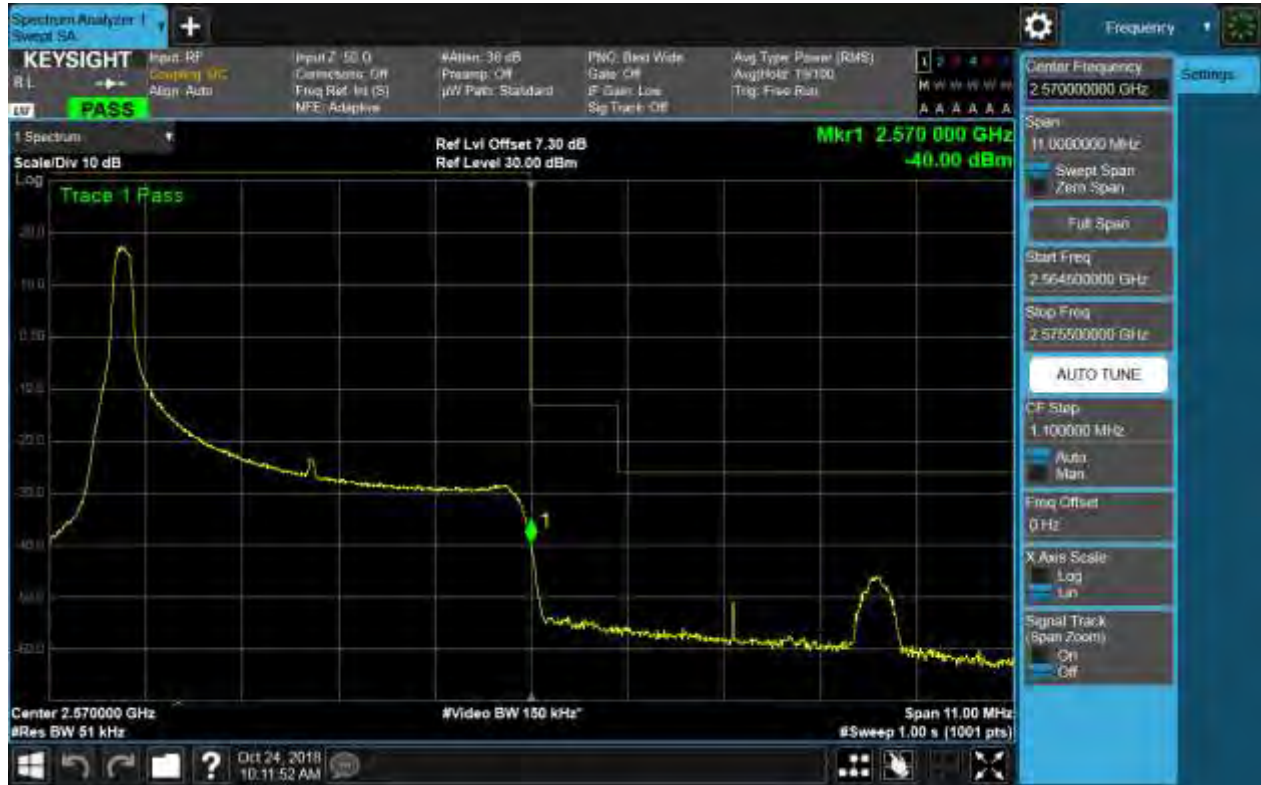


5.1.1.2.1.1.4 Test RB = RB25#0

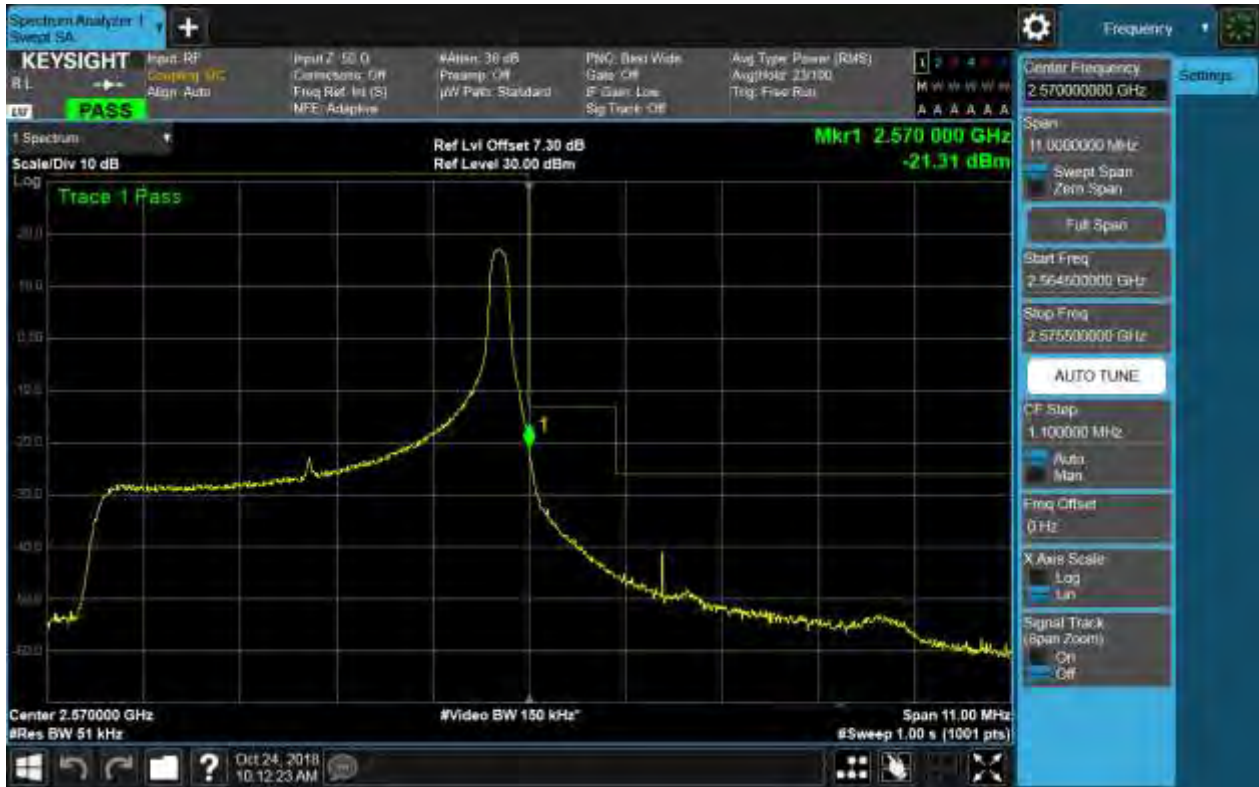


5.1.1.2.1.2 Test Channel = HCH

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



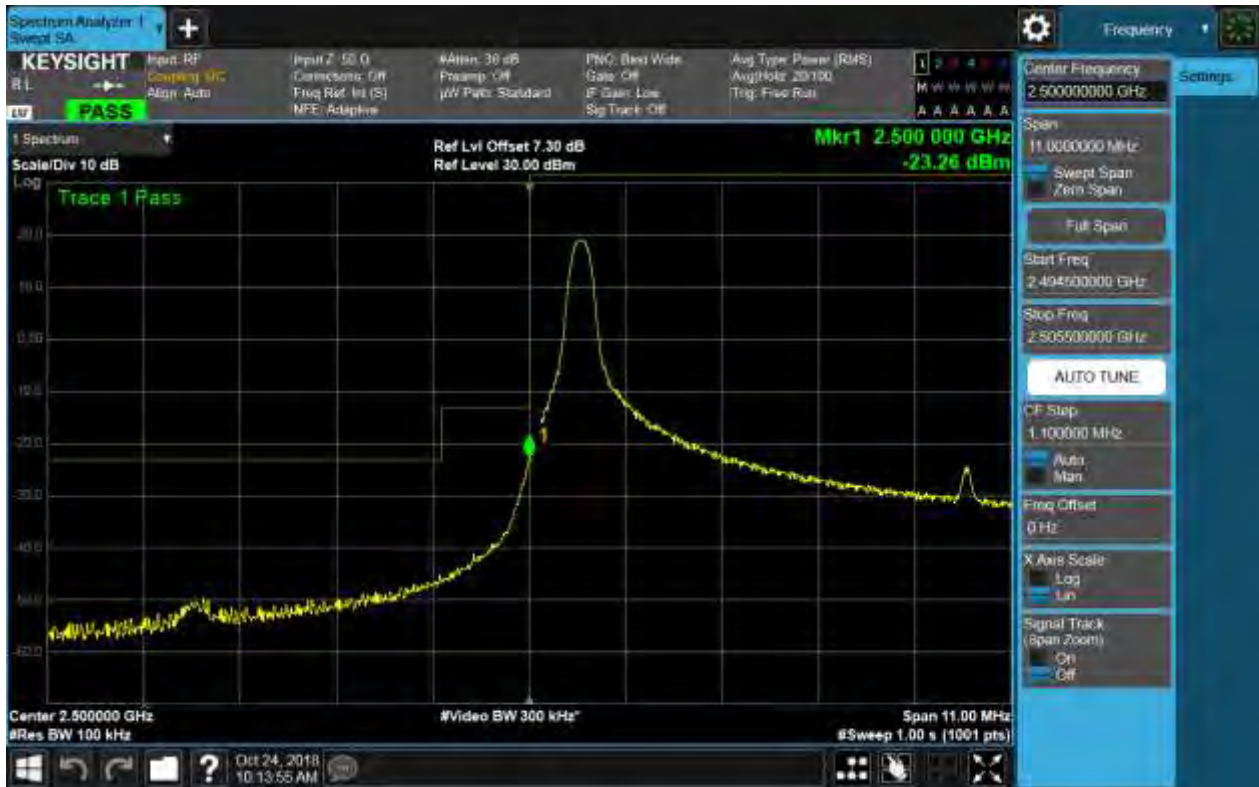
5.1.1.2.1.2.4 Test RB = RB25#0



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



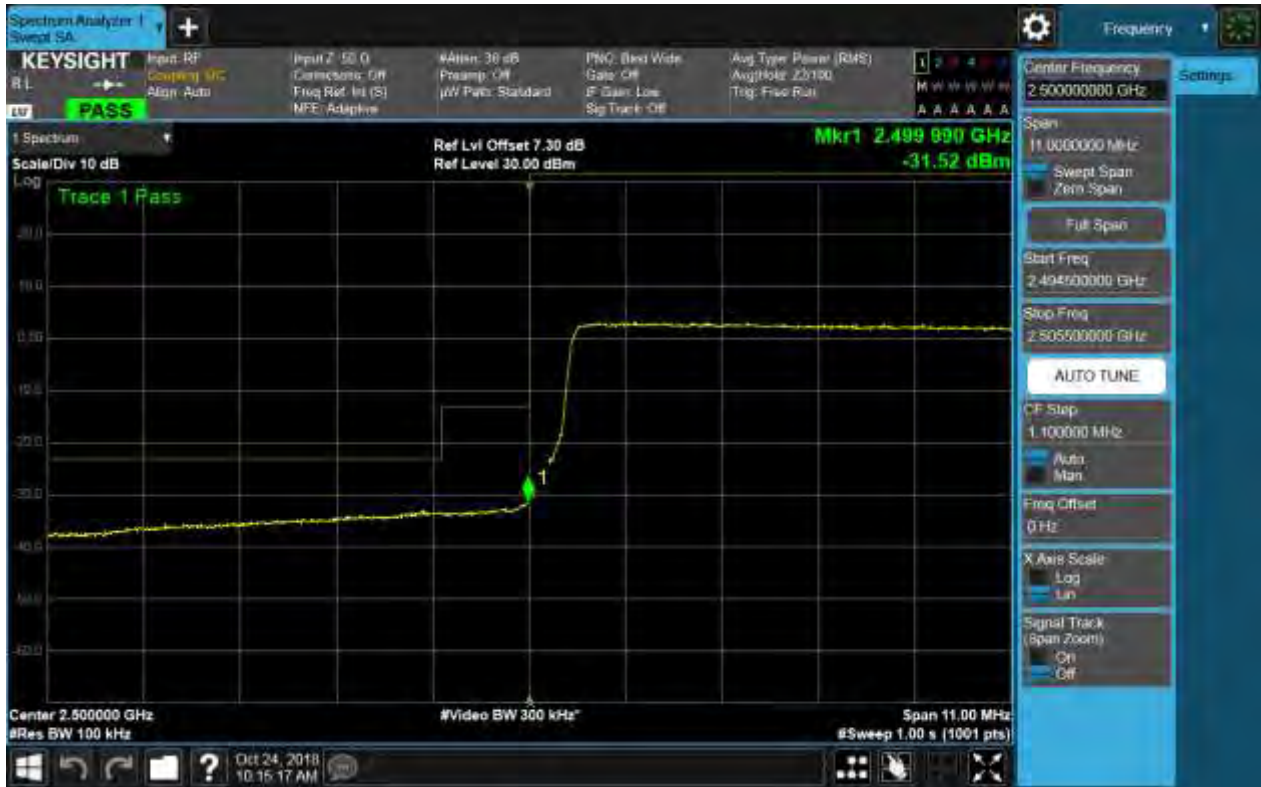
5.1.1.2.2.1.2 Test RB = RB1#49



5.1.1.2.2.1.3 Test RB = RB25#13

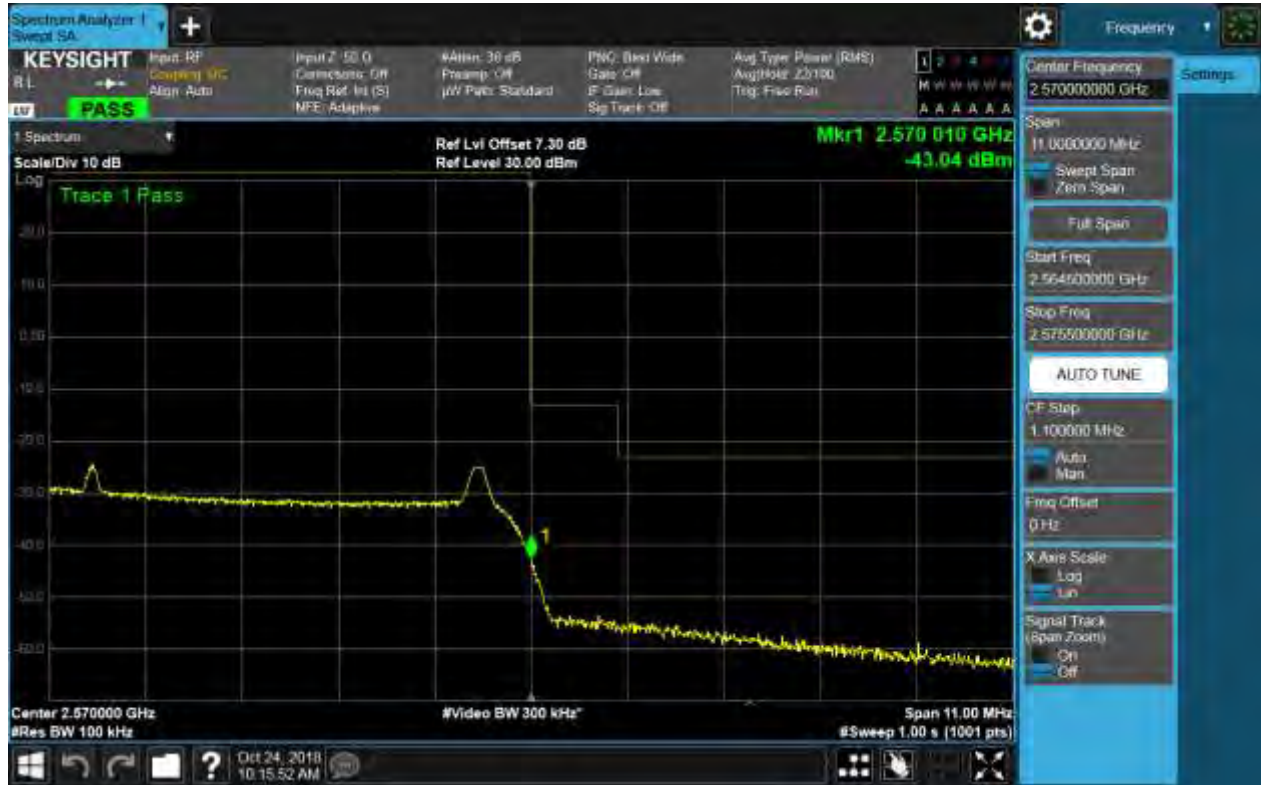


5.1.1.2.2.1.4 Test RB = RB50#0

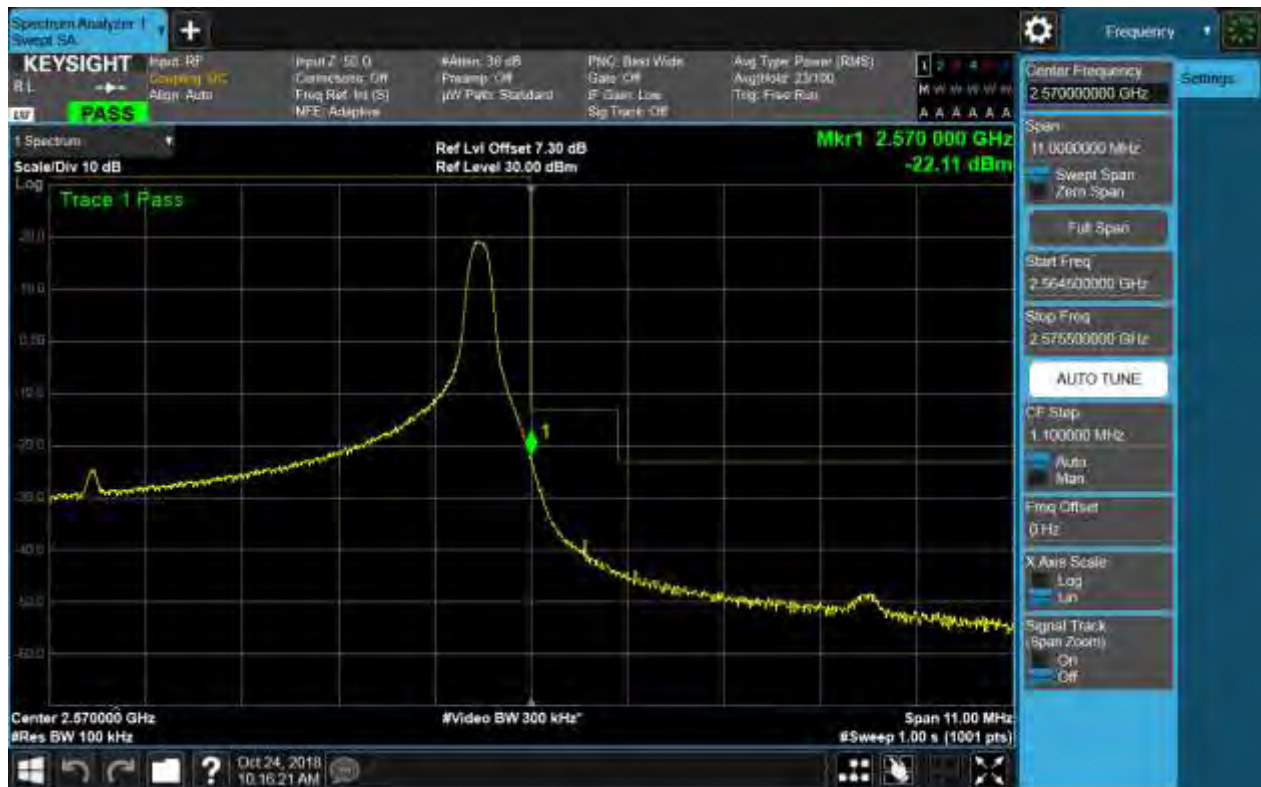


5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



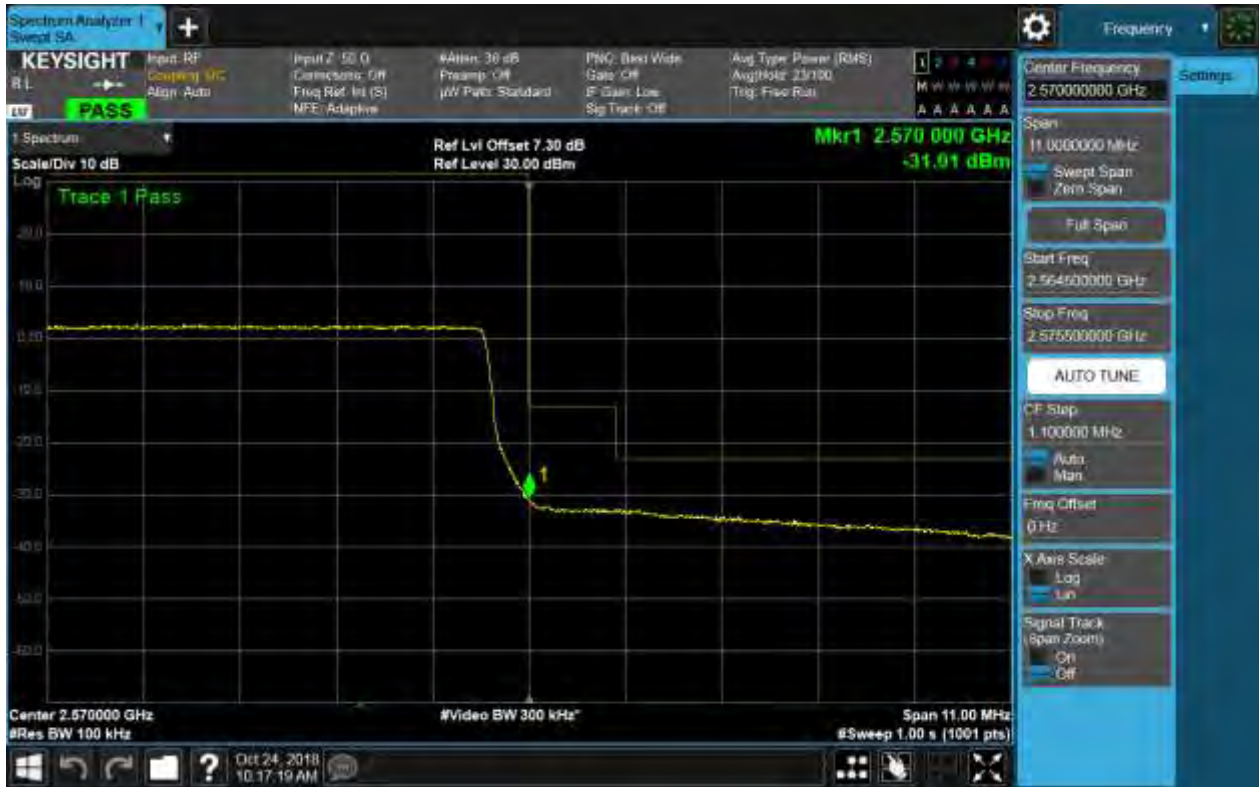
5.1.1.2.2.2.2 Test RB = RB1#49



5.1.1.2.2.3 Test RB = RB25#13



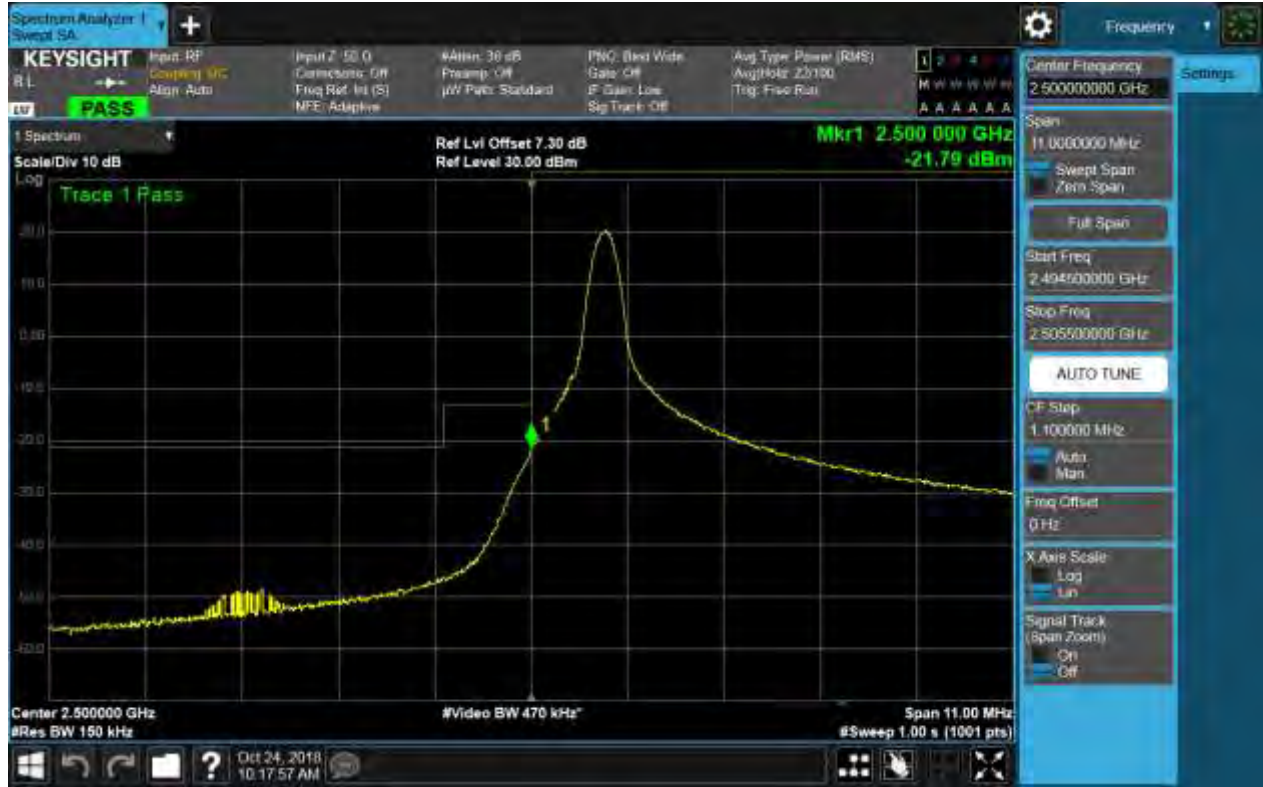
5.1.1.2.2.4 Test RB = RB50#0



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 = RB38#19



5.1.1.2.3.1.4 Test RB = RB75#0

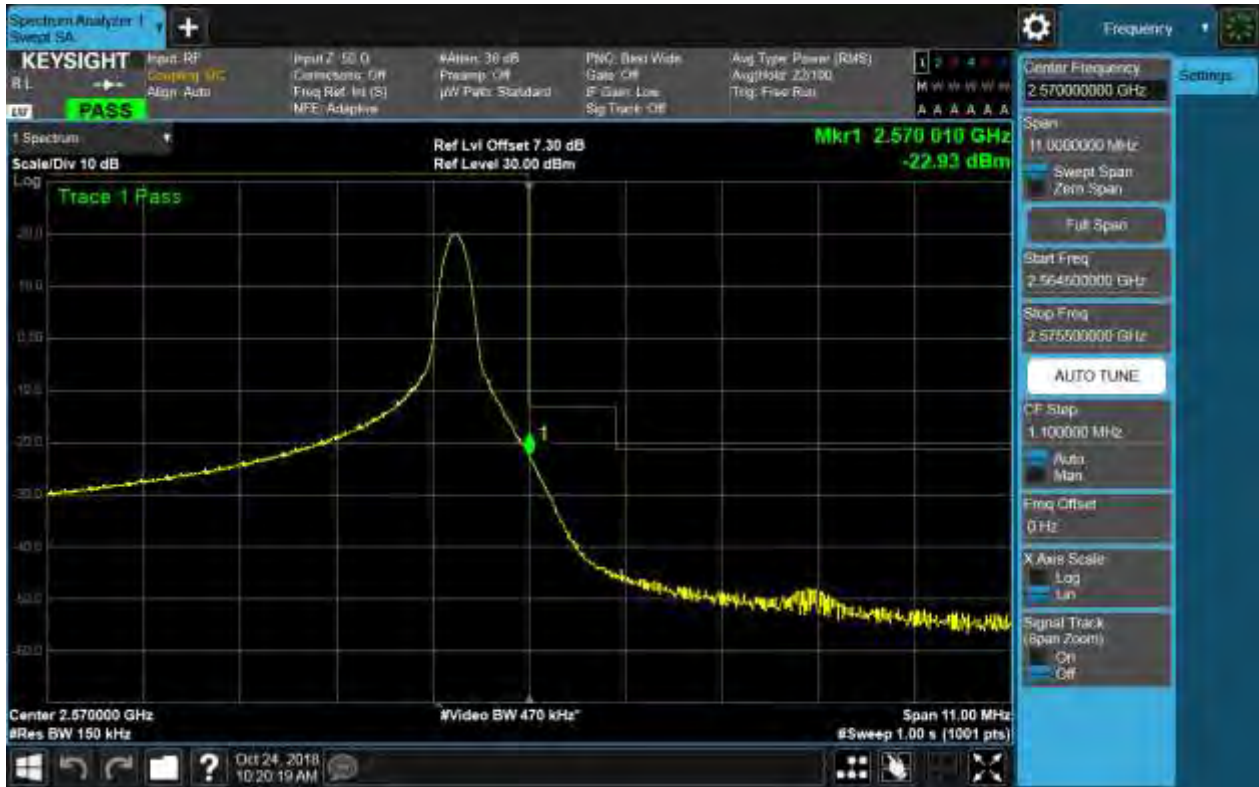


5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0



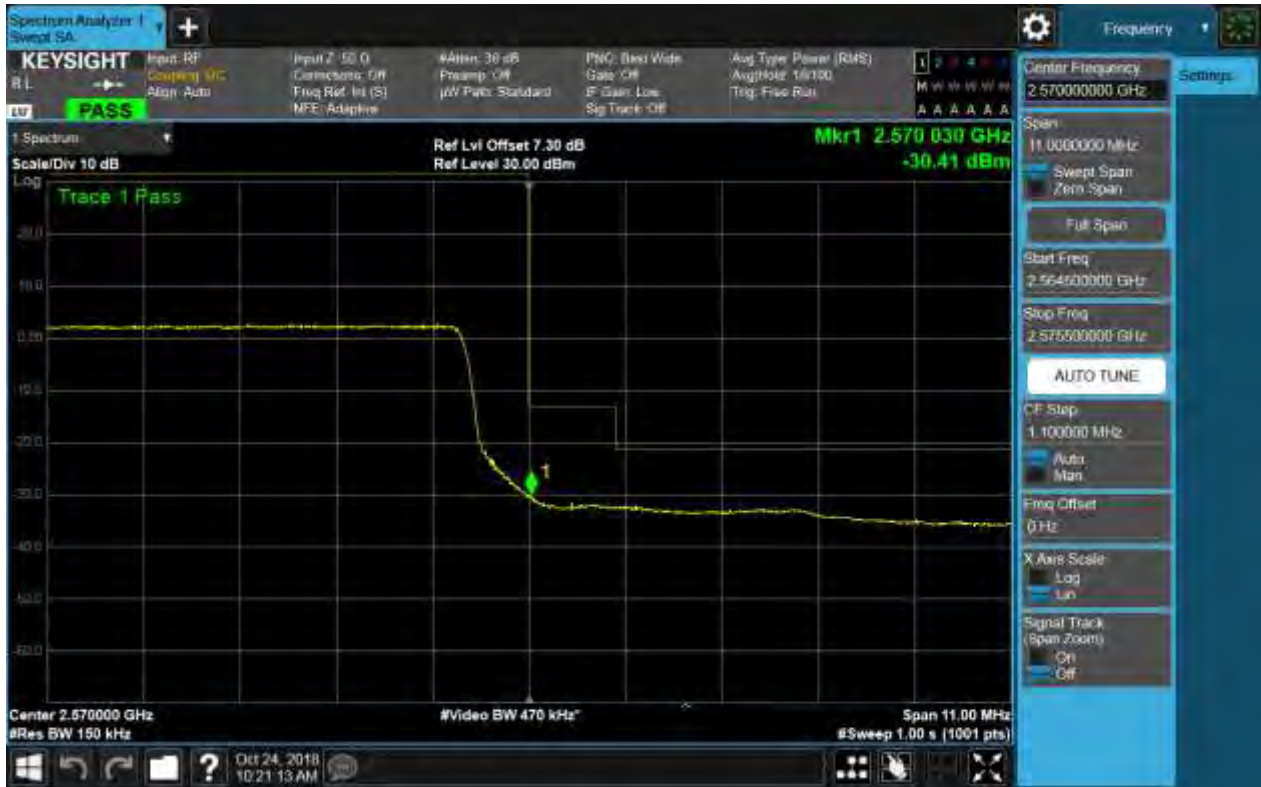
5.1.1.2.3.2.2 Test RB = RB1#74



5.1.1.2.3.2.3 Test RB = RB38#19



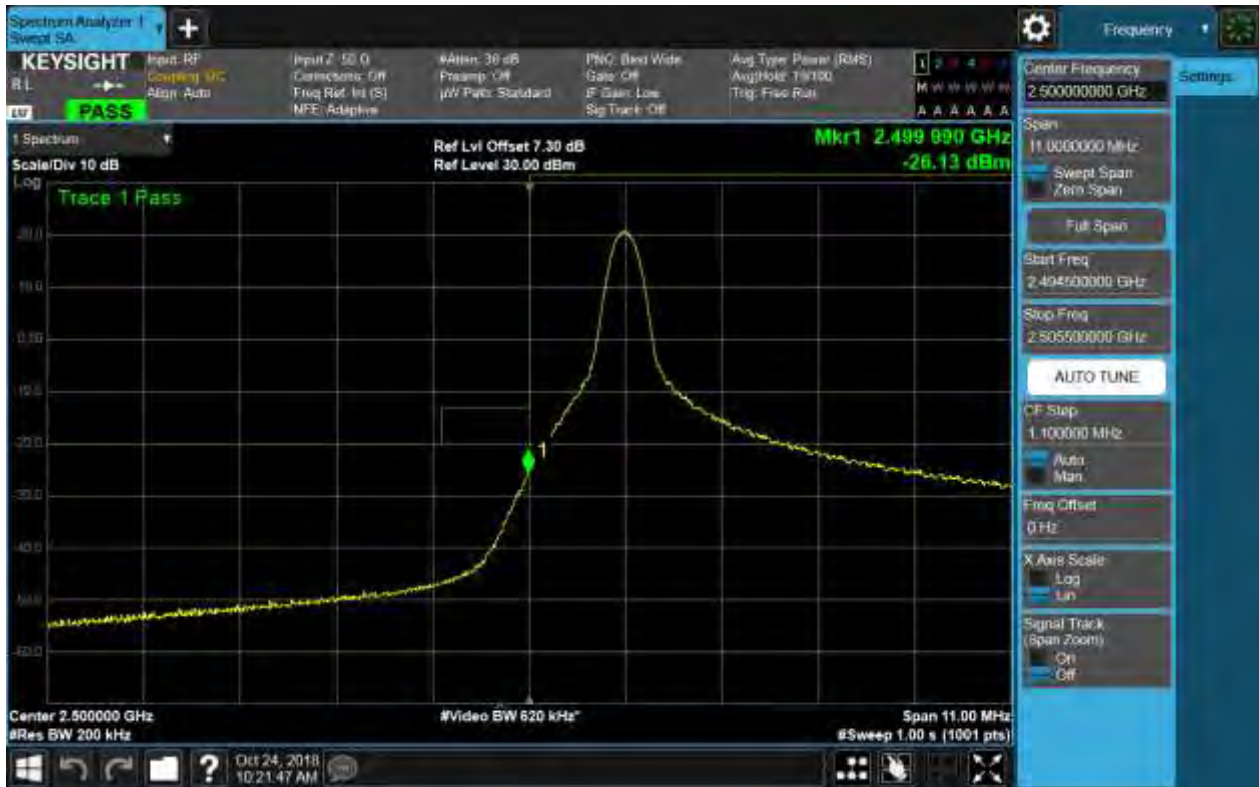
5.1.1.2.3.2.4 Test RB = RB75#0



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

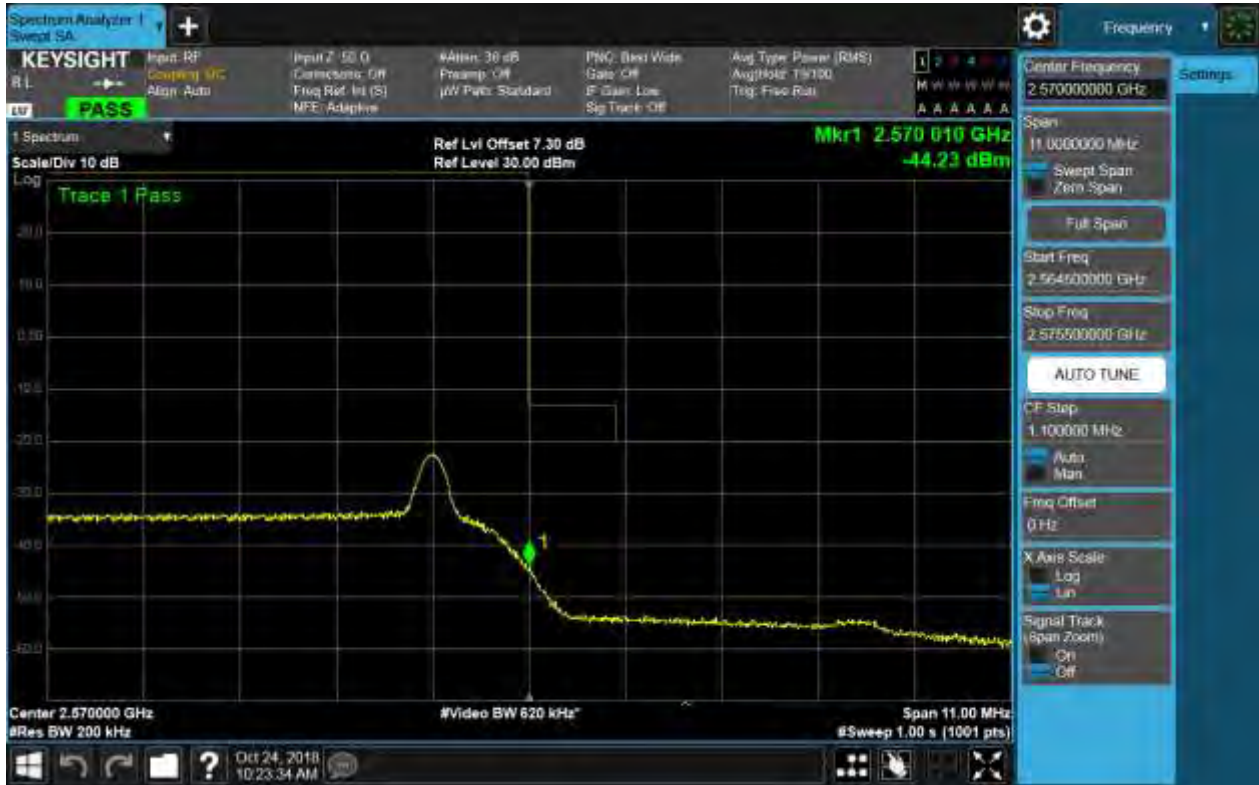


5.1.1.2.4.1.4 Test RB = RB100#0

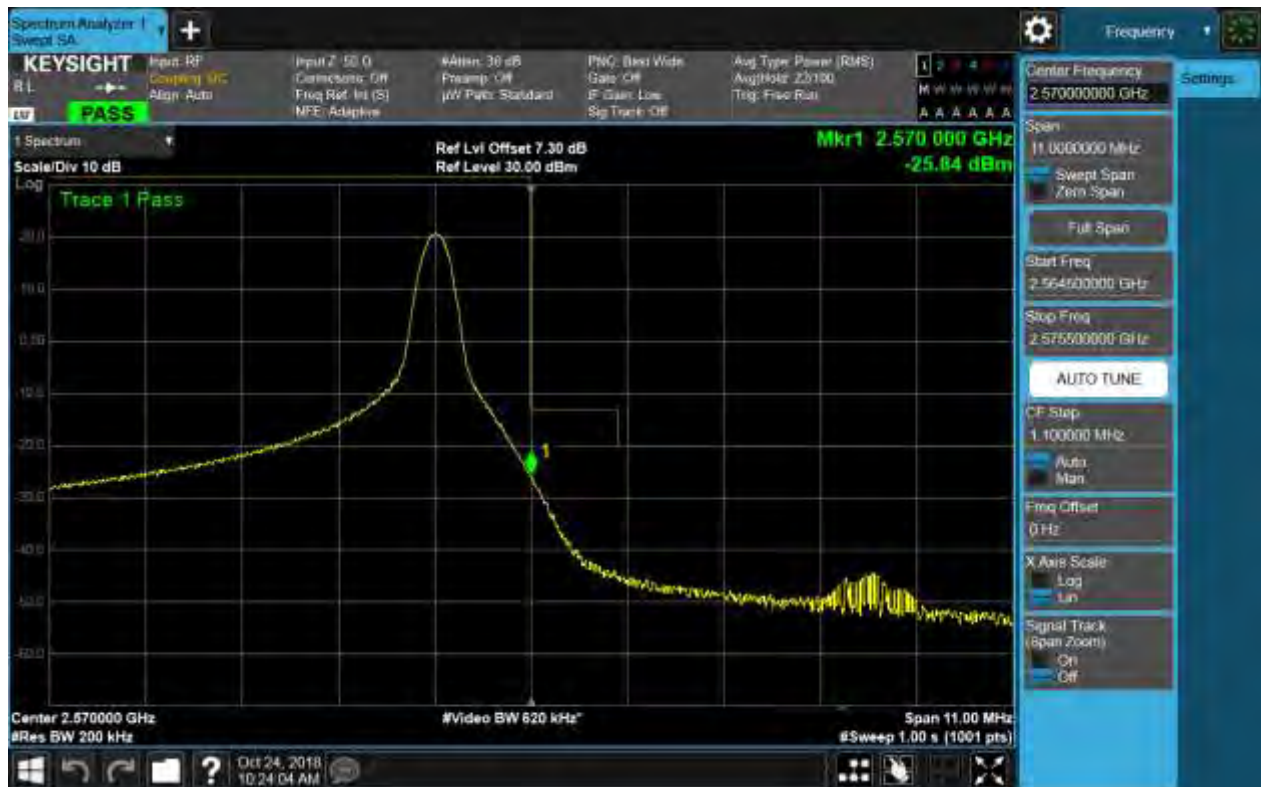


5.1.1.2.4.2 Test Channel = HCH

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 = BAND7

6.1.1.1 Test Mode = LTE/TM1

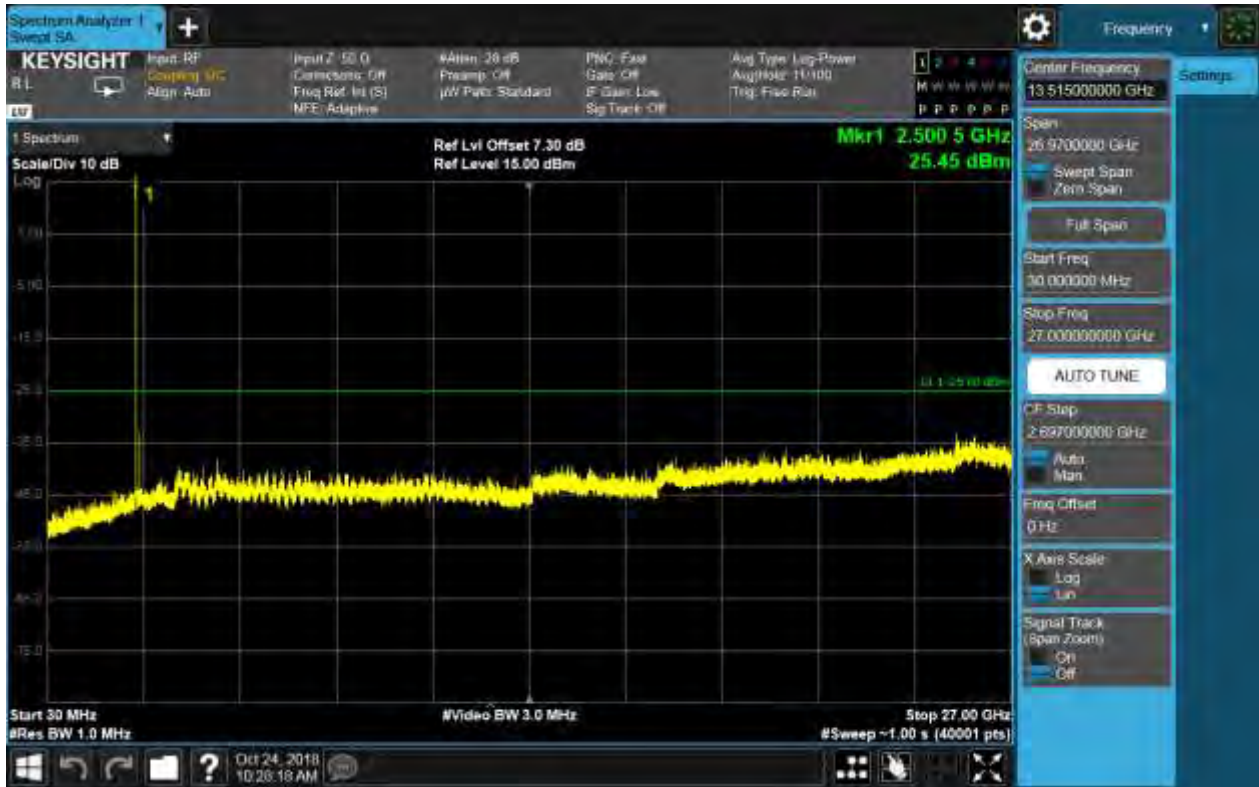
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0







6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0





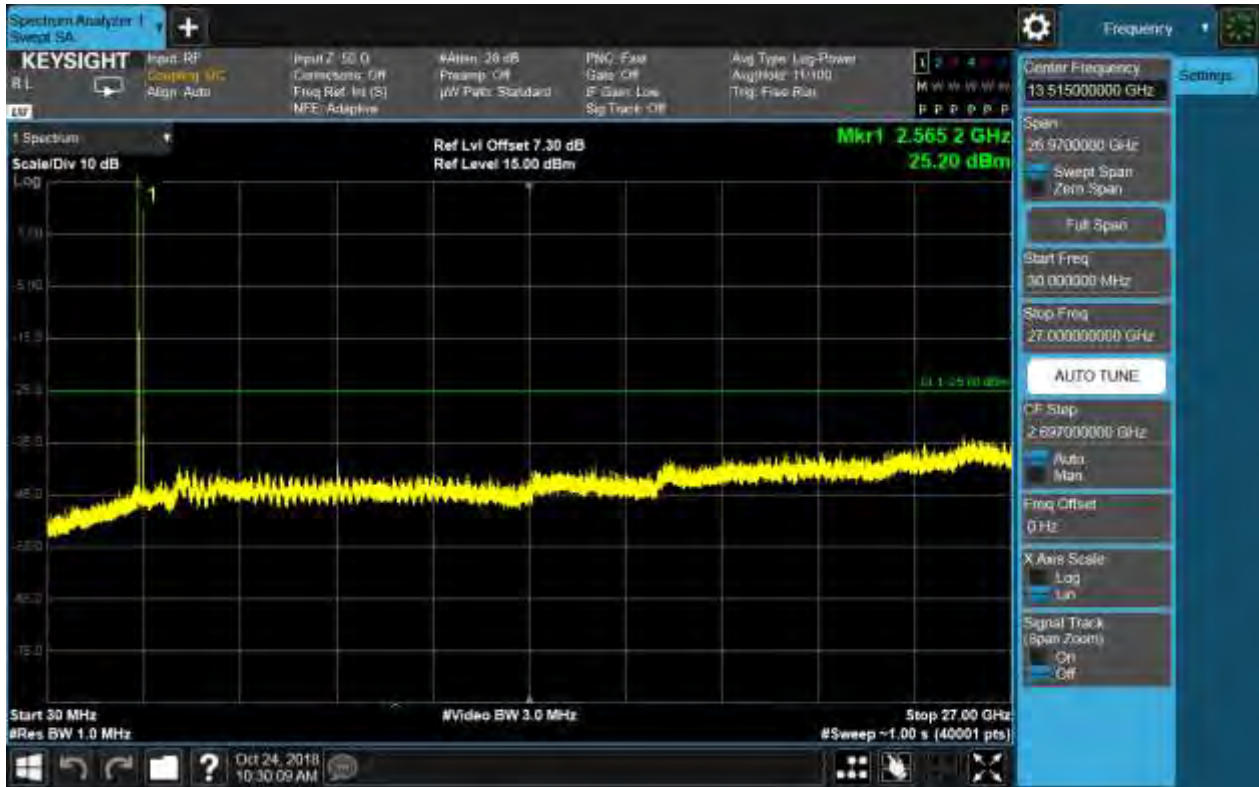


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0







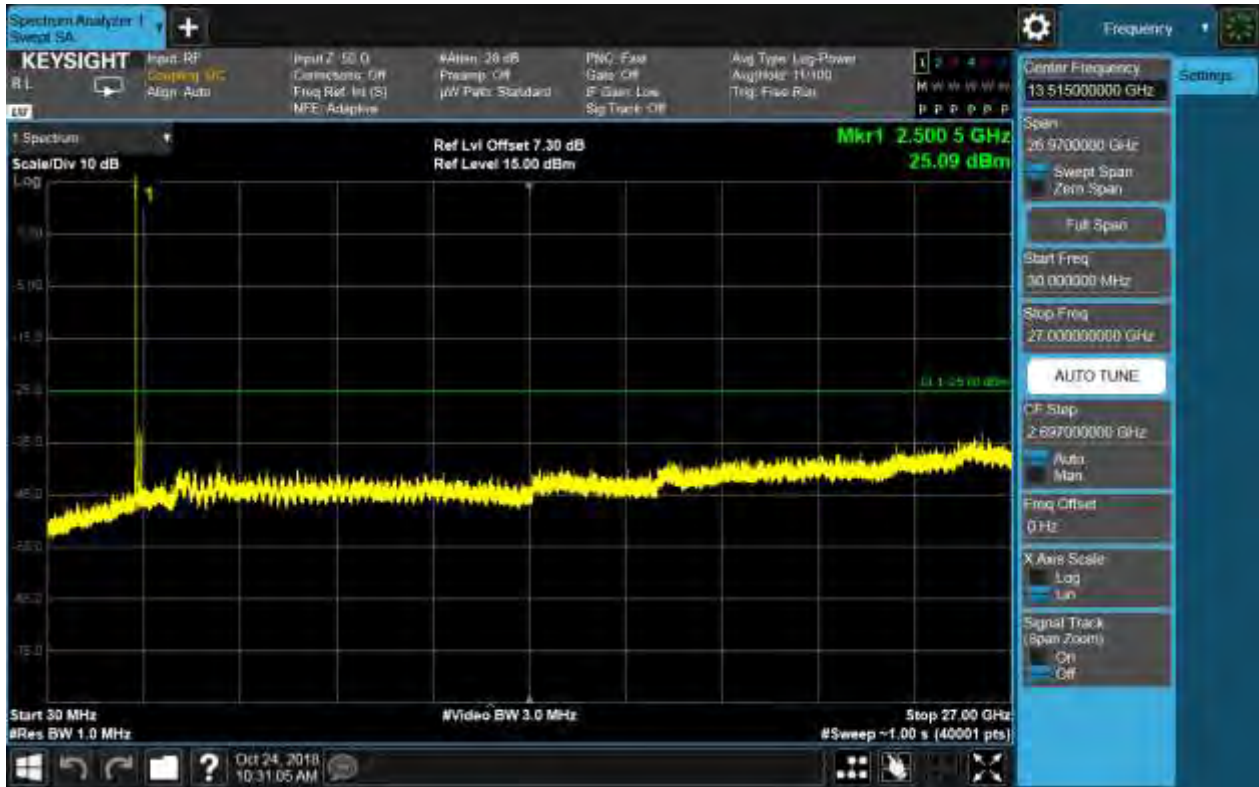
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0







6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





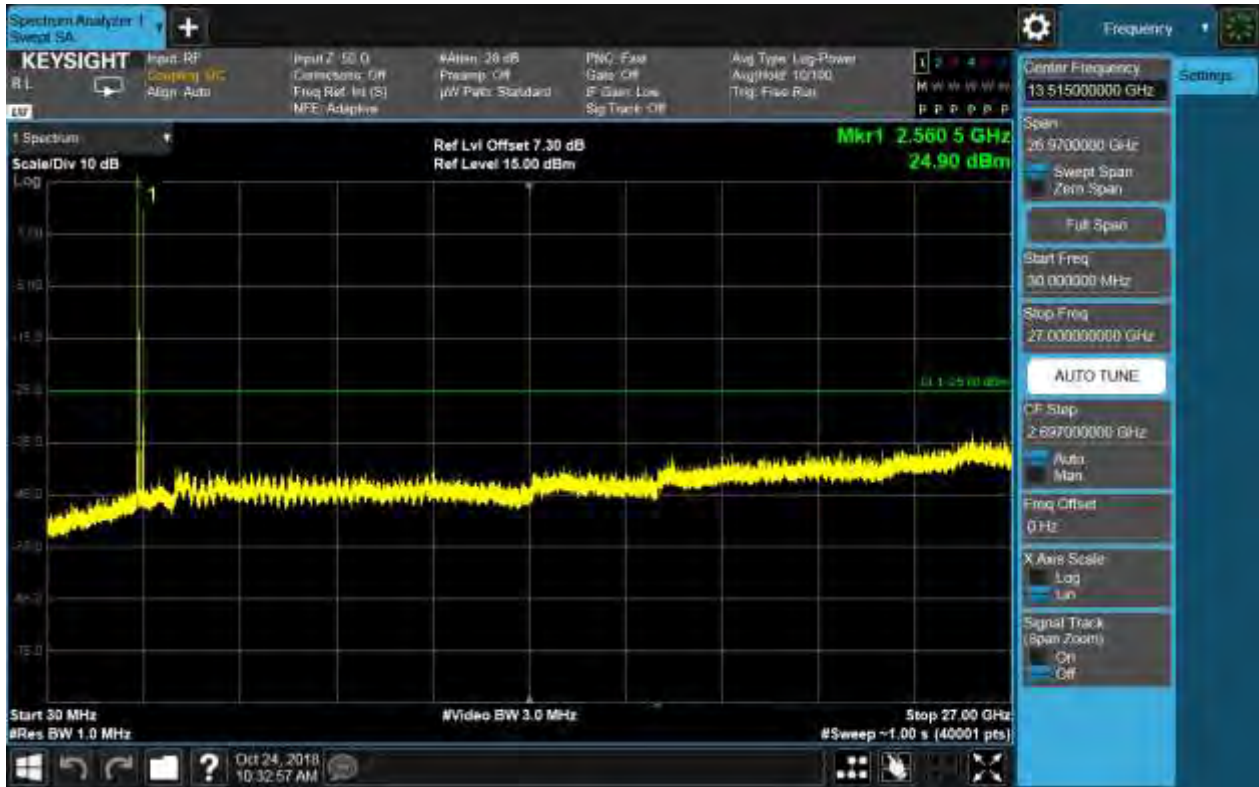


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







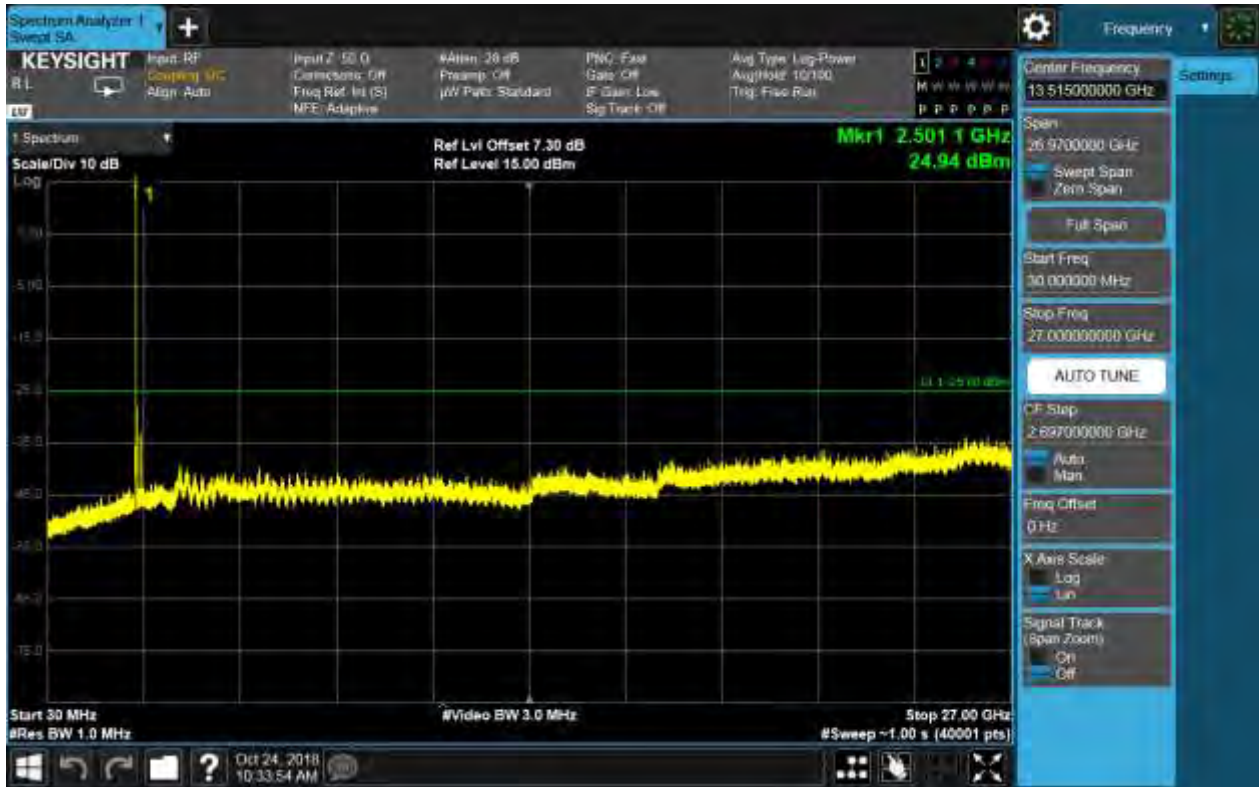
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0







6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





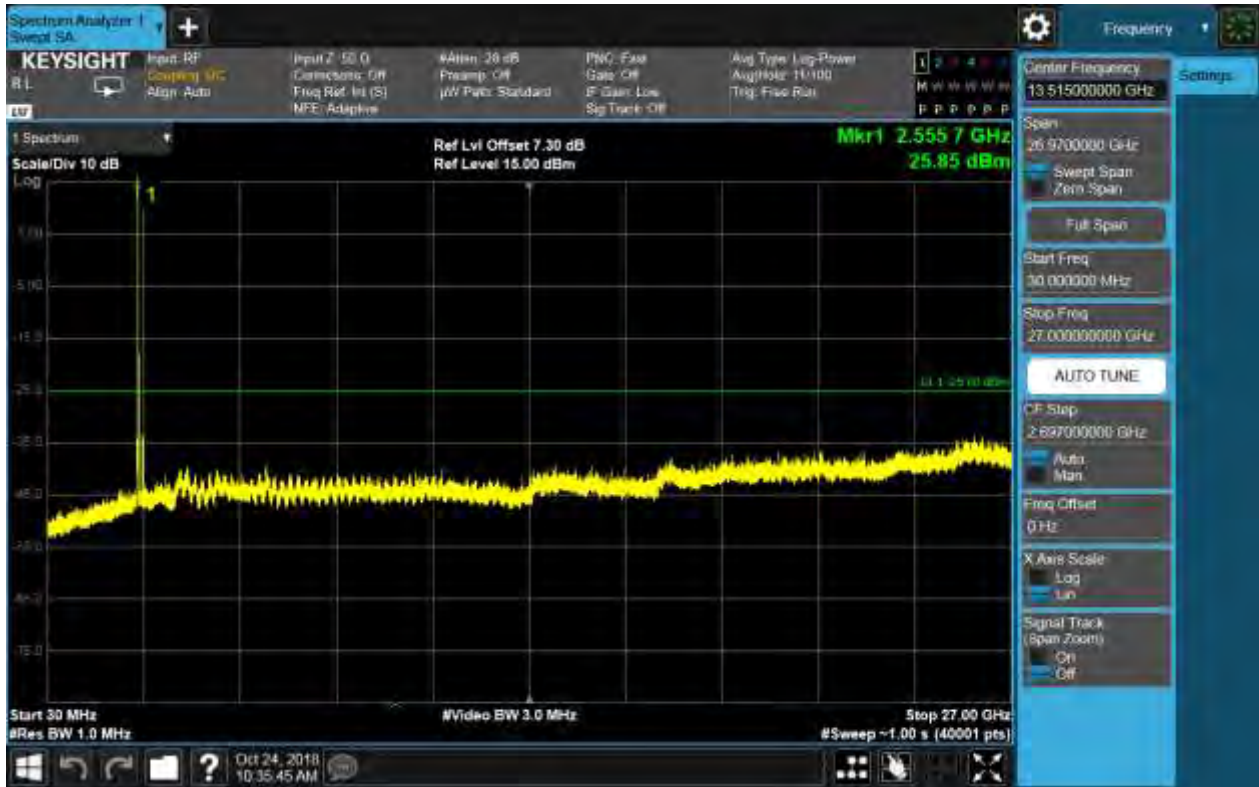


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







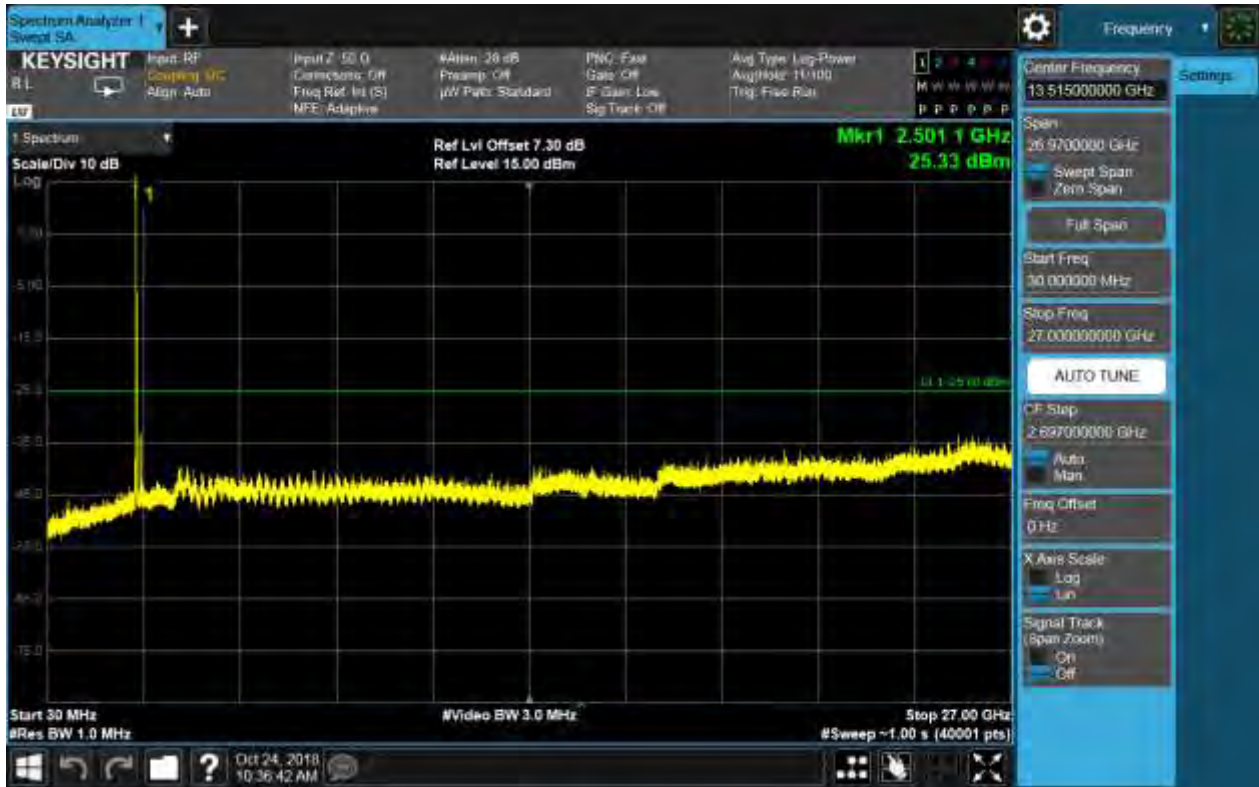
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





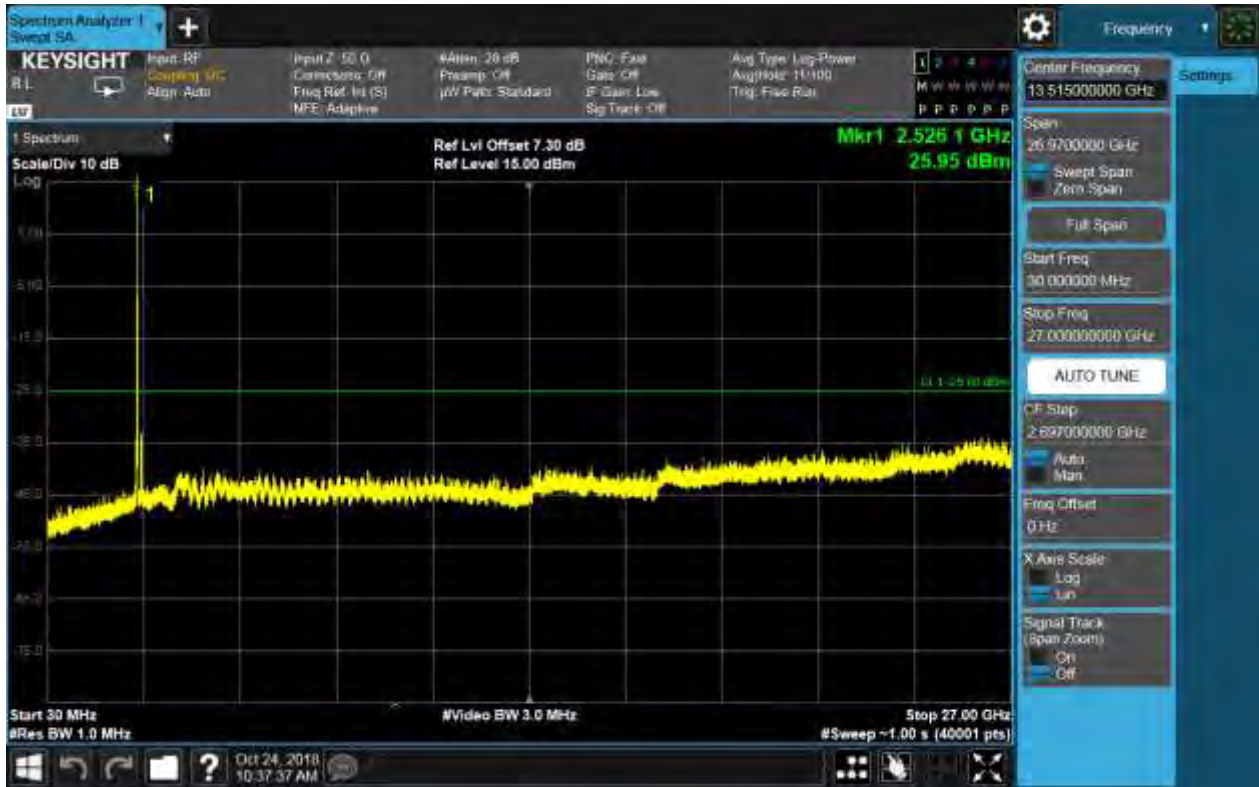


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





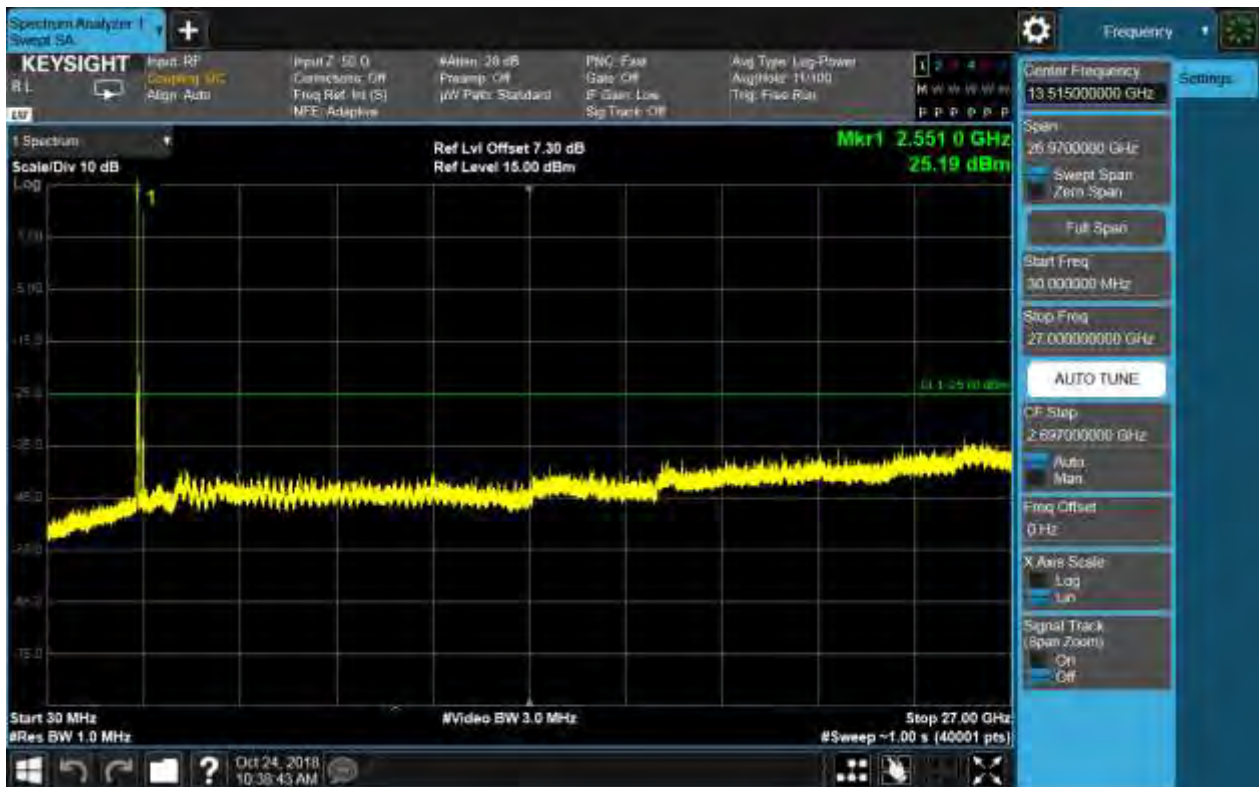


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







6.1.1.2 Test Mode = LTE/TM2

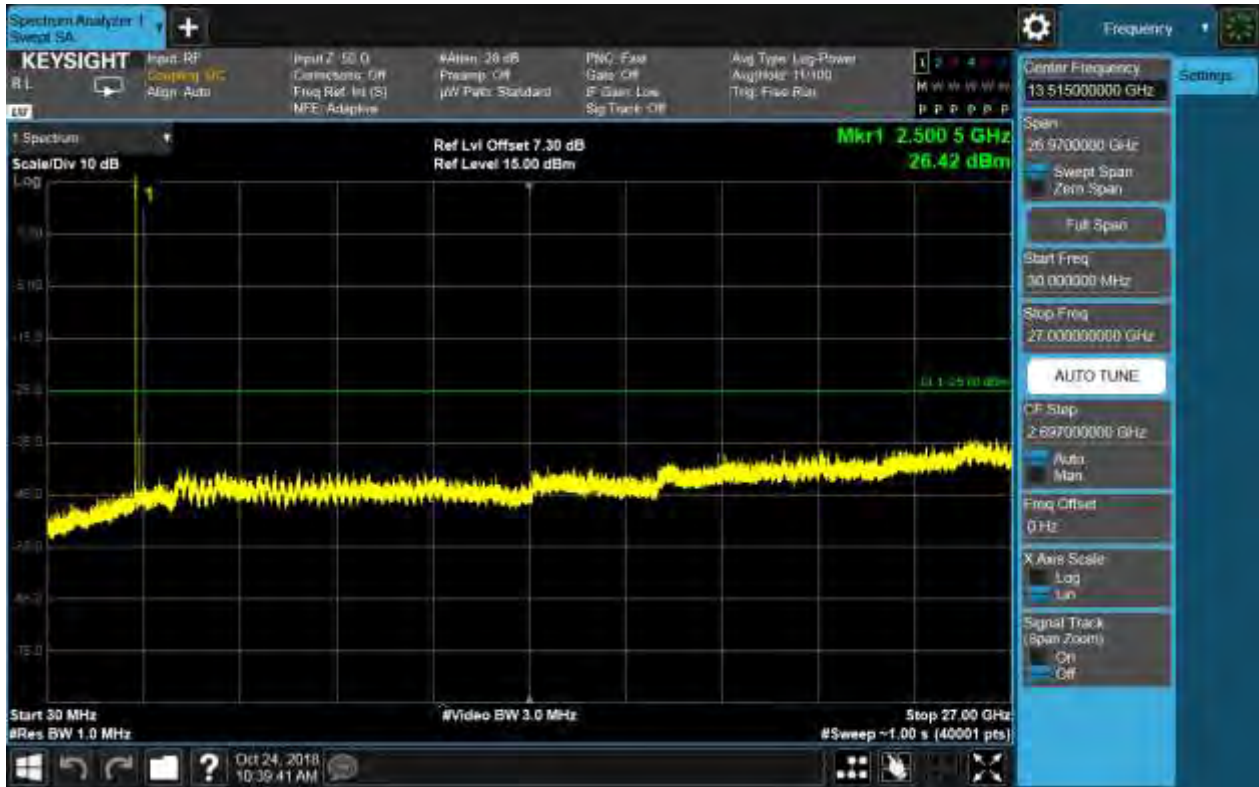
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





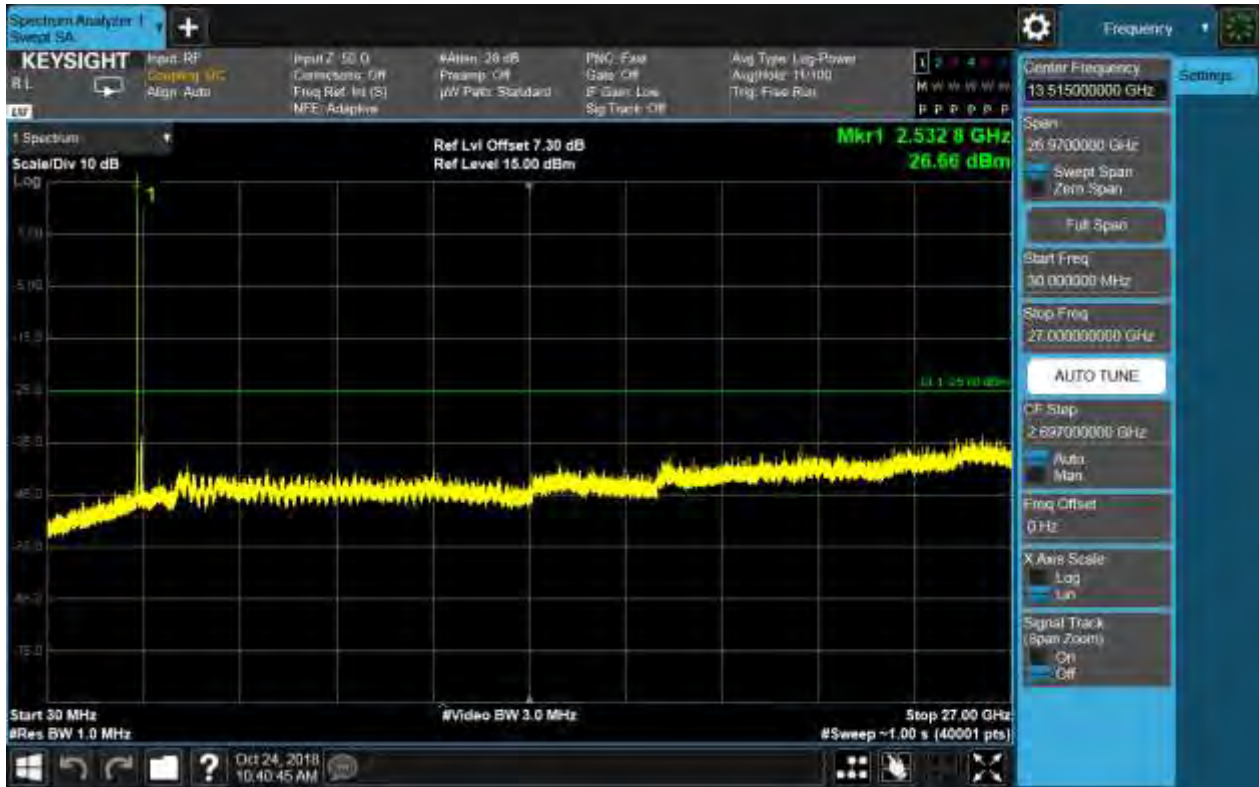


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







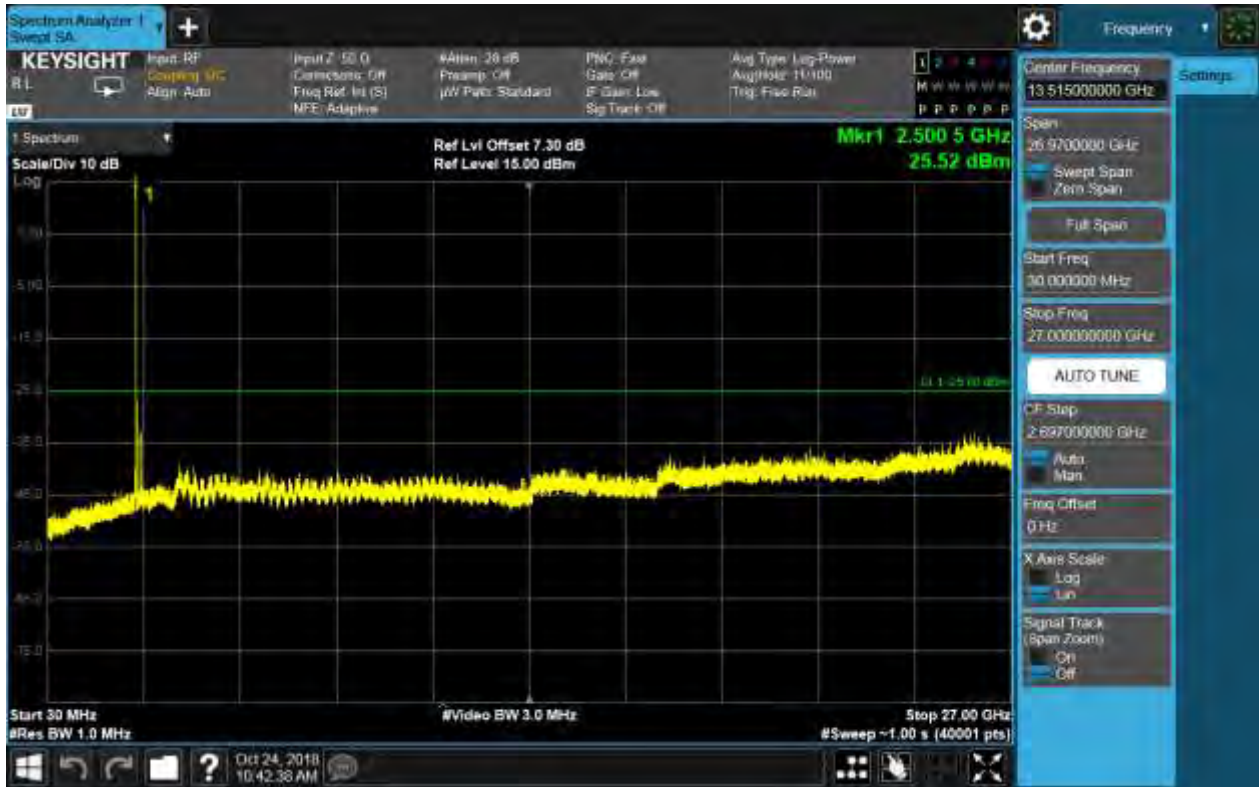
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0







6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0







6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







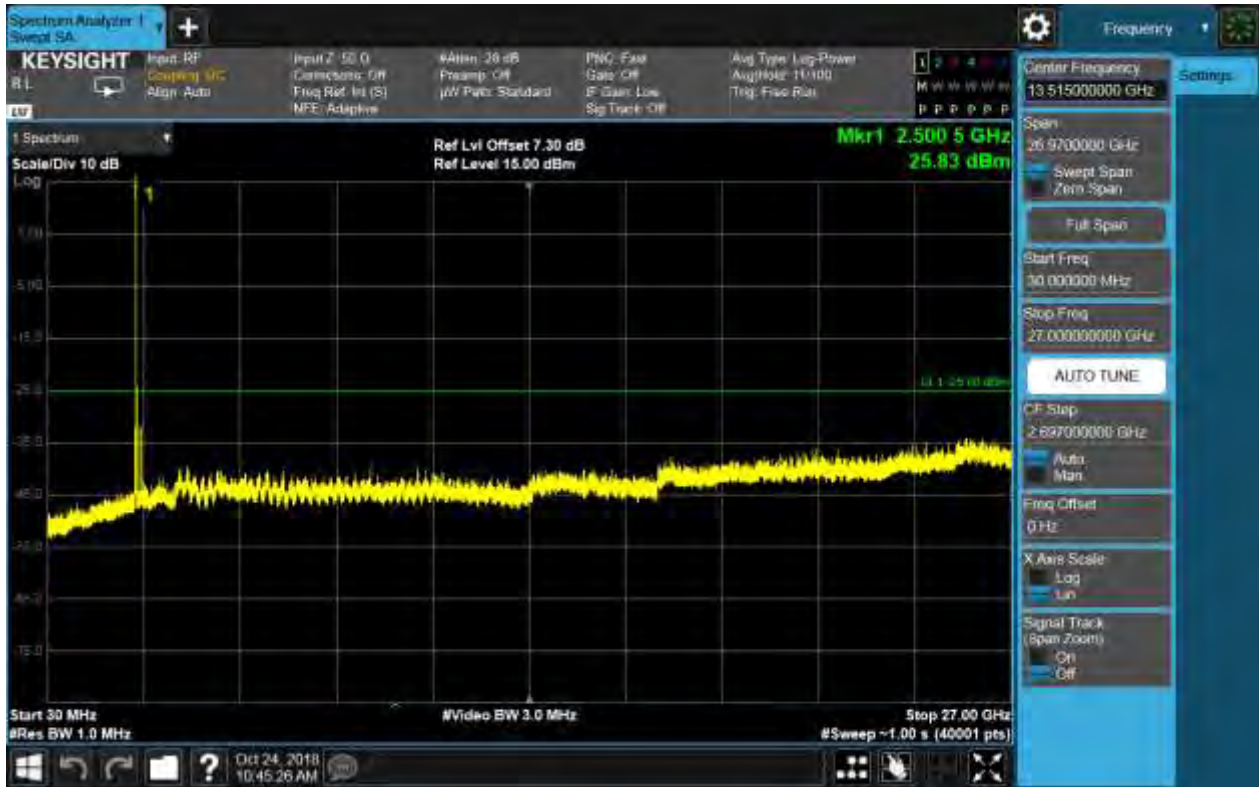
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0







6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





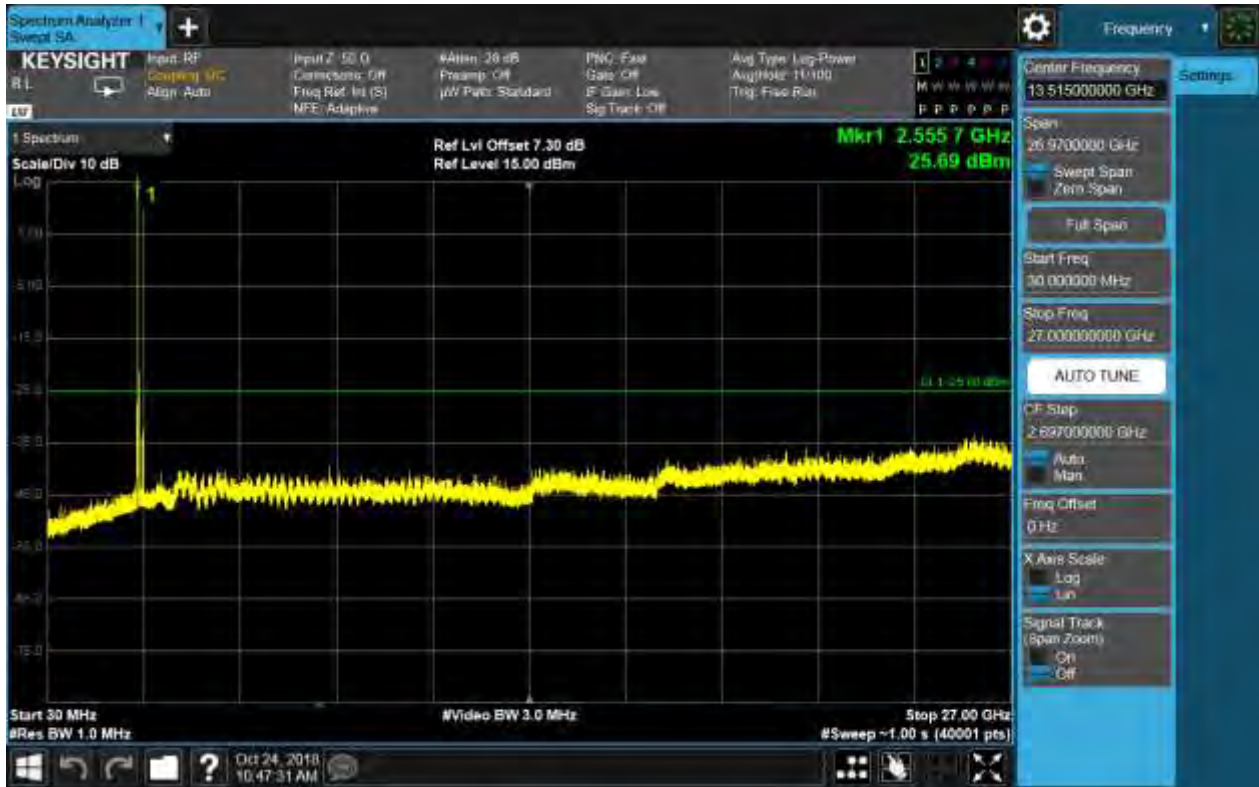


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







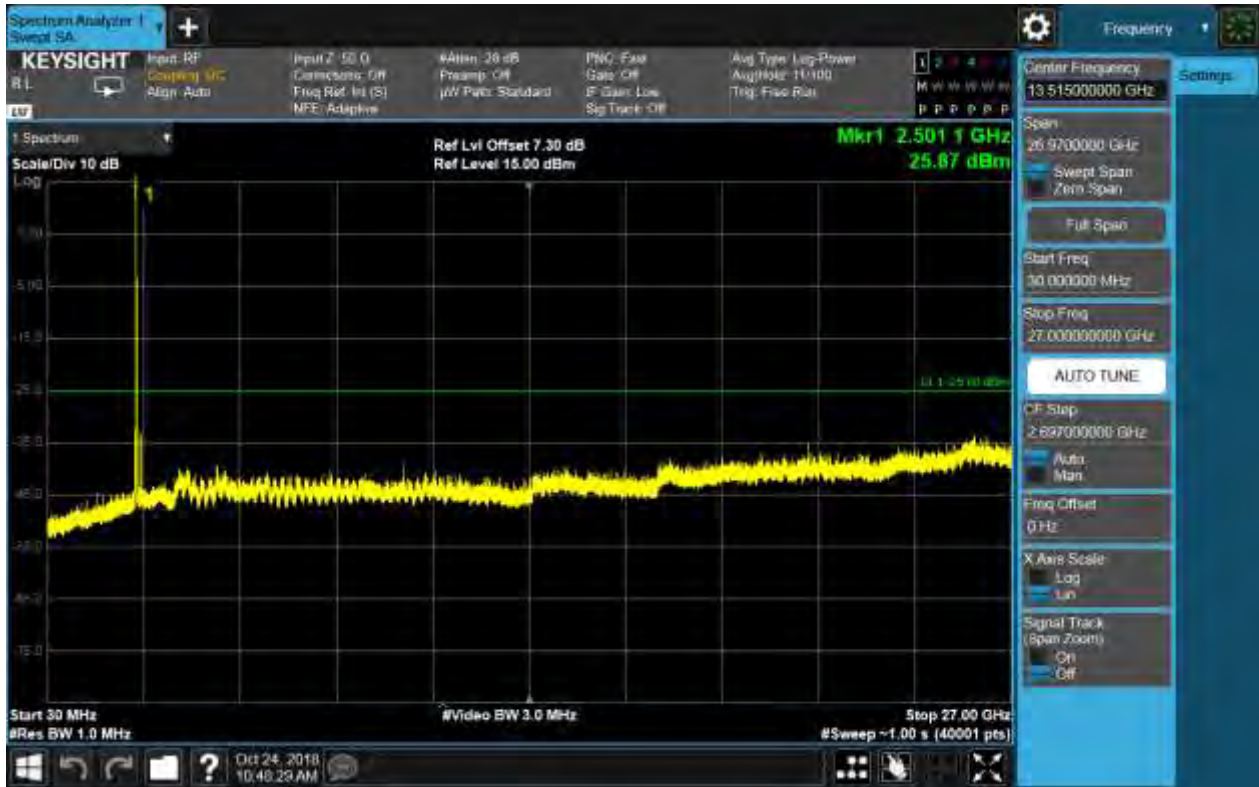
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





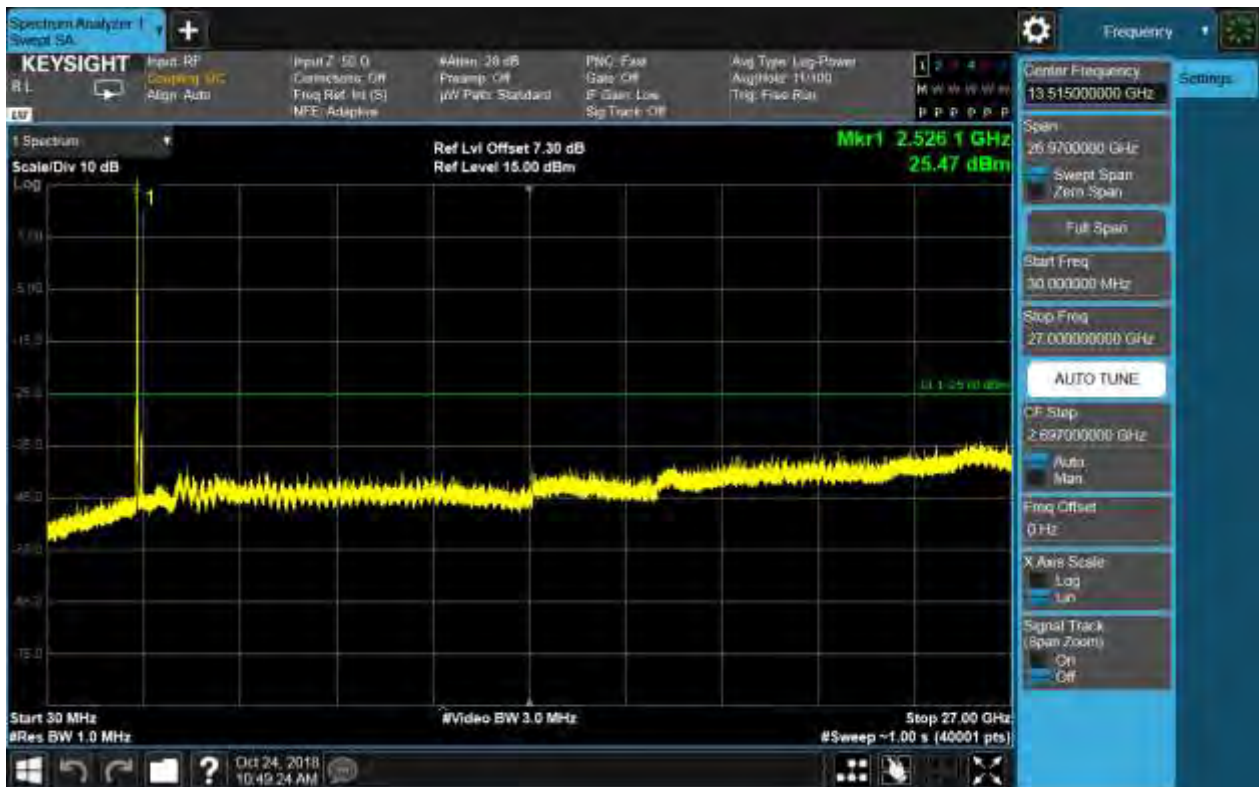


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





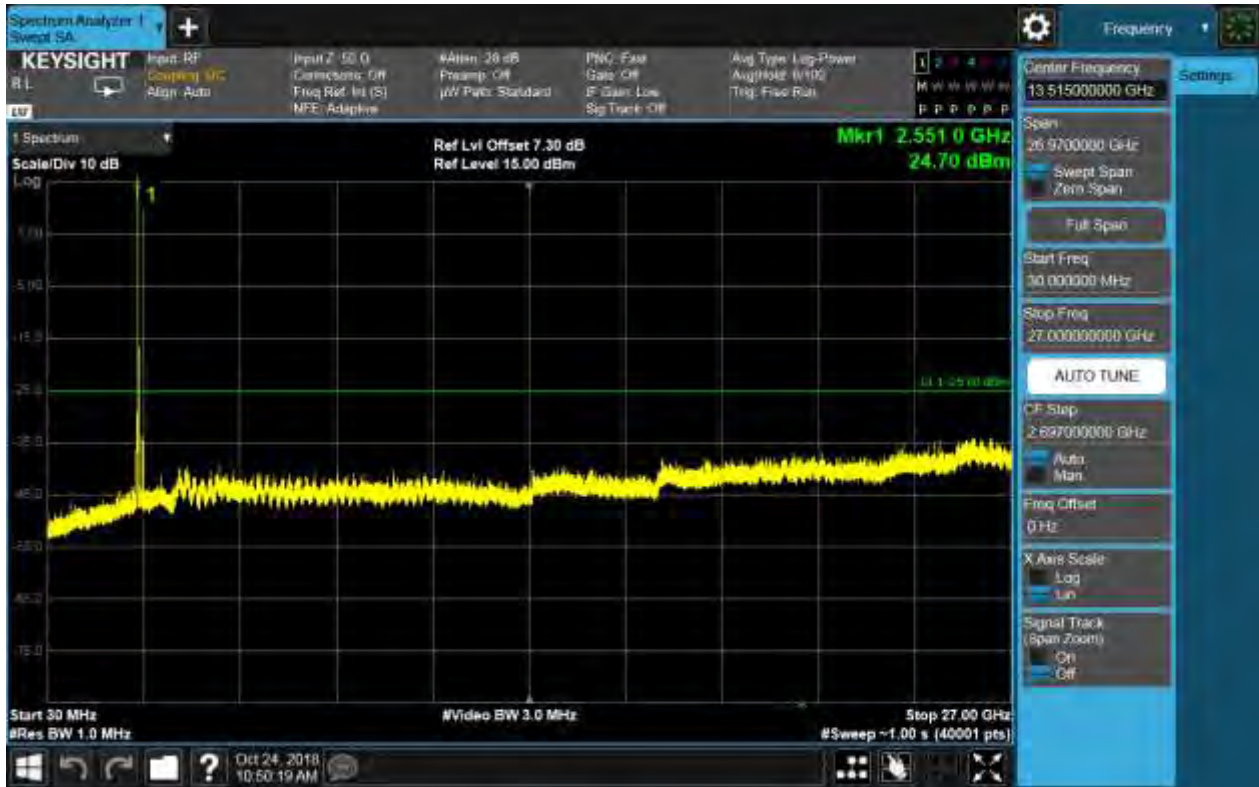


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Frequency Stability

7.1 For LTE

7.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	-24.75	-0.00989	PASS
					VN	-69.74	-0.02787	PASS
					VH	-48.97	-0.01957	PASS
			MCH	TN	VL	-8.65	-0.00341	PASS
					VN	-6.67	-0.00263	PASS
					VH	-8.71	-0.00344	PASS
			HCH	TN	VL	-7.84	-0.00305	PASS
					VN	-7.95	-0.0031	PASS
					VH	-4.68	-0.00182	PASS
		10	LCH	TN	VL	-5.92	-0.00236	PASS
					VN	-6.05	-0.00242	PASS
					VH	-6.51	-0.0026	PASS
			MCH	TN	VL	-0.89	-0.00035	PASS
					VN	-21.66	-0.00854	PASS
					VH	-2.98	-0.00118	PASS
			HCH	TN	VL	-21.2	-0.00827	PASS
					VN	-16.57	-0.00646	PASS
					VH	-4.15	-0.00162	PASS
		15	LCH	TN	VL	-3.53	-0.00141	PASS
					VN	-12.43	-0.00496	PASS
					VH	-0.57	-0.00023	PASS
			MCH	TN	VL	-1.17	-0.00046	PASS
					VN	-1.77	-0.0007	PASS
					VH	-11.39	-0.00449	PASS
			HCH	TN	VL	-5.12	-0.002	PASS
					VN	-4.46	-0.00174	PASS
					VH	-4.21	-0.00164	PASS
		20	LCH	TN	VL	-2.16	-0.00086	PASS
					VN	-4.81	-0.00192	PASS
					VH	-4.11	-0.00164	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		MCH	TN	VL	-2.98	-0.00118	PASS
					VN	-2.86	-0.00113	PASS
					VH	-2.3	-0.00091	PASS
			HCH	TN	VL	-3.92	-0.00153	PASS
					VN	-6.27	-0.00245	PASS
					VH	-3.38	-0.00132	PASS
		5	LCH	TN	VL	-2.56	-0.00102	PASS
					VN	-28.11	-0.01123	PASS
					VH	-8.98	-0.00359	PASS
			MCH	TN	VL	-30.54	-0.01205	PASS
					VN	0.63	0.00025	PASS
					VH	-1.03	-0.00041	PASS
			HCH	TN	VL	-16.26	-0.00633	PASS
					VN	-26.62	-0.01037	PASS
					VH	-4.13	-0.00161	PASS
		10	LCH	TN	VL	-1.96	-0.00078	PASS
					VN	-2.62	-0.00105	PASS
					VH	-6.31	-0.00252	PASS
			MCH	TN	VL	-17.72	-0.00699	PASS
					VN	-2.13	-0.00084	PASS
					VH	-18.77	-0.0074	PASS
			HCH	TN	VL	-4.41	-0.00172	PASS
					VN	-5.81	-0.00227	PASS
					VH	-0.87	-0.00034	PASS
		15	LCH	TN	VL	0.06	0.00002	PASS
					VN	-1.42	-0.00057	PASS
					VH	-1.09	-0.00043	PASS
			MCH	TN	VL	-5.02	-0.00198	PASS
					VN	-2.62	-0.00103	PASS
					VH	-0.72	-0.00028	PASS
			HCH	TN	VL	-2.66	-0.00104	PASS
					VN	-1.52	-0.00059	PASS
					VH	-11.62	-0.00453	PASS
		20	LCH	TN	VL	-1.85	-0.00074	PASS
					VN	-3.19	-0.00127	PASS
					VH	-3.75	-0.00149	PASS
			MCH	TN	VL	0.77	0.0003	PASS
					VN	-2.99	-0.00118	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	0.24	0.00009	PASS
					VL	-3.08	-0.0012	PASS
					VN	-4.75	-0.00186	PASS
					VH	-2.1	-0.00082	PASS

7.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	-3.88	-0.00155	PASS
					-20	-3.13	-0.00125	PASS
					-10	-0.34	-0.00014	PASS
					0	-3.16	-0.00126	PASS
					10	0.11	0.00004	PASS
					20	-4.73	-0.00189	PASS
					30	-2.59	-0.00103	PASS
					40	-2.27	-0.00091	PASS
					50	0.26	0.0001	PASS
			MCH	VN	-30	2.17	0.00086	PASS
					-20	3.96	0.00156	PASS
					-10	1.12	0.00044	PASS
					0	0.07	0.00003	PASS
					10	0.74	0.00029	PASS
					20	3.72	0.00147	PASS
					30	0.23	0.00009	PASS
					40	1.95	0.00077	PASS
					50	1.16	0.00046	PASS
			HCH	VN	-30	-2.95	-0.00115	PASS
					-20	1.02	0.0004	PASS
					-10	-2.56	-0.001	PASS
					0	2.96	0.00115	PASS
					10	0.24	0.00009	PASS
					20	1.39	0.00054	PASS
					30	1.24	0.00048	PASS
					40	1.49	0.00058	PASS
					50	2.32	0.0009	PASS
		10	LCH	VN	-30	-2.05	-0.00082	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.51	-0.0002	PASS
					-10	-1.32	-0.00053	PASS
					0	-0.41	-0.00016	PASS
					10	-3.93	-0.00157	PASS
					20	0.23	0.00009	PASS
					30	0.70	0.00028	PASS
					40	-0.39	-0.00016	PASS
					50	-0.83	-0.00033	PASS
			MCH	VN	-30	0.76	0.0003	PASS
					-20	-0.73	-0.00029	PASS
					-10	0.10	0.00004	PASS
					0	2.02	0.0008	PASS
					10	0.66	0.00026	PASS
					20	-2.82	-0.00111	PASS
					30	1.07	0.00042	PASS
					40	0.04	0.00002	PASS
					50	0.62	0.00024	PASS
			HCH	VN	-30	-26.97	-0.01051	PASS
					-20	-16.79	-0.00655	PASS
					-10	-1.04	-0.00041	PASS
					0	-0.49	-0.00019	PASS
					10	0.31	0.00012	PASS
					20	-21.17	-0.00825	PASS
					30	-2.29	-0.00089	PASS
					40	0.83	0.00032	PASS
					50	-1.29	-0.0005	PASS
		15	LCH	VN	-30	1.63	0.00065	PASS
					-20	-2.65	-0.00106	PASS
					-10	-13.48	-0.00538	PASS
					0	-2.26	-0.0009	PASS
					10	0.72	0.00029	PASS
					20	-0.67	-0.00027	PASS
					30	0.24	0.0001	PASS
					40	-0.60	-0.00024	PASS
					50	-13.82	-0.00551	PASS
			MCH	VN	-30	3.58	0.00141	PASS
					-20	-1.09	-0.00043	PASS
					-10	-9.46	-0.00373	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	0.36	0.00014	PASS
					10	2.32	0.00092	PASS
					20	-8.25	-0.00325	PASS
					30	-12.33	-0.00486	PASS
					40	0.74	0.00029	PASS
					50	0.21	0.00008	PASS
			HCH	VN	-30	-12.87	-0.00502	PASS
					-20	0.54	0.00021	PASS
					-10	-2.03	-0.00079	PASS
					0	-2.76	-0.00108	PASS
					10	-18.78	-0.00733	PASS
					20	-1.16	-0.00045	PASS
					30	-10.11	-0.00395	PASS
					40	-8.58	-0.00335	PASS
					50	1.29	0.0005	PASS
		20	LCH	VN	-30	-1.57	-0.00063	PASS
					-20	-4.55	-0.00181	PASS
					-10	-5.28	-0.0021	PASS
					0	-2.53	-0.00101	PASS
					10	-0.67	-0.00027	PASS
					20	-1.29	-0.00051	PASS
					30	-0.72	-0.00029	PASS
					40	-2.26	-0.0009	PASS
					50	-0.34	-0.00014	PASS
			MCH	VN	-30	0.56	0.00022	PASS
					-20	-0.14	-0.00006	PASS
					-10	-1.00	-0.00039	PASS
					0	0.14	0.00006	PASS
					10	1.62	0.00064	PASS
					20	-1.54	-0.00061	PASS
					30	0.26	0.0001	PASS
					40	-0.96	-0.00038	PASS
					50	0.37	0.00015	PASS
			HCH	VN	-30	-0.80	-0.00031	PASS
					-20	-3.91	-0.00153	PASS
					-10	-2.40	-0.00094	PASS
					0	-2.13	-0.00083	PASS
					10	-0.84	-0.00033	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5			20	-0.34	-0.00013	PASS
					30	-2.46	-0.00096	PASS
					40	-1.44	-0.00056	PASS
					50	-2.59	-0.00101	PASS
			LCH	VN	-30	2.25	0.0009	PASS
					-20	1.72	0.00069	PASS
					-10	0.69	0.00028	PASS
					0	0.09	0.00004	PASS
					10	1.10	0.00044	PASS
					20	-1.70	-0.00068	PASS
					30	0.40	0.00016	PASS
					40	-2.29	-0.00092	PASS
					50	0.17	0.00007	PASS
			MCH	VN	-30	2.00	0.00079	PASS
					-20	3.12	0.00123	PASS
					-10	1.59	0.00063	PASS
					0	0.34	0.00013	PASS
					10	2.49	0.00098	PASS
					20	1.66	0.00065	PASS
					30	-1.32	-0.00052	PASS
					40	0.89	0.00035	PASS
					50	1.99	0.00079	PASS
			HCH	VN	-30	0.20	0.00008	PASS
					-20	0.80	0.00031	PASS
					-10	-3.46	-0.00135	PASS
					0	0.96	0.00037	PASS
					10	1.69	0.00066	PASS
					20	-0.73	-0.00028	PASS
					30	1.13	0.00044	PASS
					40	3.65	0.00142	PASS
					50	3.38	0.00132	PASS
		10	LCH	VN	-30	-1.63	-0.00065	PASS
					-20	0.36	0.00014	PASS
					-10	-1.20	-0.00048	PASS
					0	-2.50	-0.001	PASS
					10	-2.45	-0.00098	PASS
					20	-0.41	-0.00016	PASS
					30	0.72	0.00029	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.49	-0.00099	PASS
					50	2.49	0.00099	PASS
			MCH	VN	-30	1.10	0.00043	PASS
					-20	0.79	0.00031	PASS
					-10	0.90	0.00036	PASS
					0	1.17	0.00046	PASS
					10	1.92	0.00076	PASS
					20	-0.74	-0.00029	PASS
					30	-0.19	-0.00007	PASS
					40	2.16	0.00085	PASS
					50	2.23	0.00088	PASS
			HCH	VN	-30	-0.90	-0.00035	PASS
					-20	-0.53	-0.00021	PASS
					-10	-20.33	-0.00793	PASS
					0	1.24	0.00048	PASS
					10	-16.47	-0.00642	PASS
					20	-3.98	-0.00155	PASS
					30	1.27	0.0005	PASS
					40	-0.10	-0.00004	PASS
					50	-2.16	-0.00084	PASS
		15	LCH	VN	-30	0.64	0.00026	PASS
					-20	-1.29	-0.00051	PASS
					-10	-0.23	-0.00009	PASS
					0	2.39	0.00095	PASS
					10	-1.17	-0.00047	PASS
					20	0.51	0.0002	PASS
					30	0.77	0.00031	PASS
					40	1.40	0.00056	PASS
					50	0.49	0.0002	PASS
			MCH	VN	-30	-0.01	0	PASS
					-20	0.60	0.00024	PASS
					-10	1.13	0.00045	PASS
					0	-13.79	-0.00544	PASS
					10	0.54	0.00021	PASS
					20	3.42	0.00135	PASS
					30	1.42	0.00056	PASS
					40	-0.46	-0.00018	PASS
					50	-0.97	-0.00038	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	-2.96	-0.00116	PASS
					-20	-11.90	-0.00464	PASS
					-10	-11.12	-0.00434	PASS
					0	-1.27	-0.0005	PASS
					10	-8.23	-0.00321	PASS
					20	-0.84	-0.00033	PASS
					30	-0.79	-0.00031	PASS
					40	-0.50	-0.0002	PASS
					50	-0.62	-0.00024	PASS
			LCH	VN	-30	-0.19	-0.00008	PASS
					-20	-0.64	-0.00025	PASS
					-10	-1.63	-0.00065	PASS
					0	-0.99	-0.00039	PASS
					10	-1.59	-0.00063	PASS
					20	-1.36	-0.00054	PASS
					30	-0.40	-0.00016	PASS
					40	-2.80	-0.00112	PASS
					50	-1.14	-0.00045	PASS
			MCH	VN	-30	2.96	0.00117	PASS
					-20	2.29	0.0009	PASS
					-10	2.79	0.0011	PASS
					0	0.60	0.00024	PASS
					10	1.10	0.00043	PASS
					20	-0.46	-0.00018	PASS
					30	2.65	0.00105	PASS
					40	0.23	0.00009	PASS
					50	-0.40	-0.00016	PASS
		20	HCH	VN	-30	-0.20	-0.00008	PASS
					-20	-2.56	-0.001	PASS
					-10	0.99	0.00039	PASS
					0	-0.79	-0.00031	PASS
					10	-1.66	-0.00065	PASS
					20	-1.03	-0.0004	PASS
					30	-0.47	-0.00018	PASS
					40	-2.16	-0.00084	PASS
					50	-0.41	-0.00016	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	-3.88	-0.00155	PASS
					-20	-3.13	-0.00125	PASS
					-10	-0.34	-0.00014	PASS
					0	-3.16	-0.00126	PASS
					10	0.11	0.00004	PASS
					20	-4.73	-0.00189	PASS
					30	-2.59	-0.00103	PASS
					40	-2.27	-0.00091	PASS
					50	0.26	0.0001	PASS
			MCH	VN	-30	2.17	0.00086	PASS
					-20	3.96	0.00156	PASS
					-10	1.12	0.00044	PASS
					0	0.07	0.00003	PASS
					10	0.74	0.00029	PASS
					20	3.72	0.00147	PASS
					30	0.23	0.00009	PASS
					40	1.95	0.00077	PASS
					50	1.16	0.00046	PASS
			HCH	VN	-30	-2.95	-0.00115	PASS
					-20	1.02	0.0004	PASS
					-10	-2.56	-0.001	PASS
					0	2.96	0.00115	PASS
					10	0.24	0.00009	PASS
					20	1.39	0.00054	PASS
					30	1.24	0.00048	PASS
					40	1.49	0.00058	PASS
					50	2.32	0.0009	PASS
		10	LCH	VN	-30	-2.05	-0.00082	PASS
					-20	-0.51	-0.0002	PASS
					-10	-1.32	-0.00053	PASS
					0	-0.41	-0.00016	PASS
					10	-3.93	-0.00157	PASS
					20	0.23	0.00009	PASS
					30	0.70	0.00028	PASS
					40	-0.39	-0.00016	PASS
					50	-0.83	-0.00033	PASS
			MCH	VN	-30	0.76	0.0003	PASS
					-20	-0.73	-0.00029	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	0.10	0.00004	PASS
					0	2.02	0.0008	PASS
					10	0.66	0.00026	PASS
					20	-2.82	-0.00111	PASS
					30	1.07	0.00042	PASS
					40	0.04	0.00002	PASS
					50	0.62	0.00024	PASS
			HCH	VN	-30	-26.97	-0.01051	PASS
					-20	-16.79	-0.00655	PASS
					-10	-1.04	-0.00041	PASS
					0	-0.49	-0.00019	PASS
					10	0.31	0.00012	PASS
					20	-21.17	-0.00825	PASS
					30	-2.29	-0.00089	PASS
					40	0.83	0.00032	PASS
					50	-1.29	-0.0005	PASS
		15	LCH	VN	-30	1.63	0.00065	PASS
					-20	-2.65	-0.00106	PASS
					-10	-13.48	-0.00538	PASS
					0	-2.26	-0.0009	PASS
					10	0.72	0.00029	PASS
					20	-0.67	-0.00027	PASS
					30	0.24	0.0001	PASS
					40	-0.60	-0.00024	PASS
					50	-13.82	-0.00551	PASS
			MCH	VN	-30	3.58	0.00141	PASS
					-20	-1.09	-0.00043	PASS
					-10	-9.46	-0.00373	PASS
					0	0.36	0.00014	PASS
					10	2.32	0.00092	PASS
					20	-8.25	-0.00325	PASS
					30	-12.33	-0.00486	PASS
					40	0.74	0.00029	PASS
					50	0.21	0.00008	PASS
			HCH	VN	-30	-12.87	-0.00502	PASS
					-20	0.54	0.00021	PASS
					-10	-2.03	-0.00079	PASS
					0	-2.76	-0.00108	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-18.78	-0.00733	PASS
					20	-1.16	-0.00045	PASS
					30	-10.11	-0.00395	PASS
					40	-8.58	-0.00335	PASS
					50	1.29	0.0005	PASS
			LCH	VN	-30	-1.57	-0.00063	PASS
					-20	-4.55	-0.00181	PASS
					-10	-5.28	-0.0021	PASS
					0	-2.53	-0.00101	PASS
					10	-0.67	-0.00027	PASS
					20	-1.29	-0.00051	PASS
					30	-0.72	-0.00029	PASS
					40	-2.26	-0.0009	PASS
					50	-0.34	-0.00014	PASS
			MCH	VN	-30	0.56	0.00022	PASS
					-20	-0.14	-0.00006	PASS
					-10	-1.00	-0.00039	PASS
					0	0.14	0.00006	PASS
					10	1.62	0.00064	PASS
					20	-1.54	-0.00061	PASS
					30	0.26	0.0001	PASS
					40	-0.96	-0.00038	PASS
					50	0.37	0.00015	PASS
			HCH	VN	-30	-0.80	-0.00031	PASS
					-20	-3.91	-0.00153	PASS
					-10	-2.40	-0.00094	PASS
					0	-2.13	-0.00083	PASS
					10	-0.84	-0.00033	PASS
					20	-0.34	-0.00013	PASS
					30	-2.46	-0.00096	PASS
					40	-1.44	-0.00056	PASS
					50	-2.59	-0.00101	PASS
	LTE/TM2	5	LCH	VN	-30	2.25	0.0009	PASS
					-20	1.72	0.00069	PASS
					-10	0.69	0.00028	PASS
					0	0.09	0.00004	PASS
					10	1.10	0.00044	PASS
					20	-1.70	-0.00068	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	0.40	0.00016	PASS
					40	-2.29	-0.00092	PASS
					50	0.17	0.00007	PASS
			MCH	VN	-30	2.00	0.00079	PASS
					-20	3.12	0.00123	PASS
					-10	1.59	0.00063	PASS
					0	0.34	0.00013	PASS
					10	2.49	0.00098	PASS
					20	1.66	0.00065	PASS
					30	-1.32	-0.00052	PASS
					40	0.89	0.00035	PASS
					50	1.99	0.00079	PASS
			HCH	VN	-30	0.20	0.00008	PASS
					-20	0.80	0.00031	PASS
					-10	-3.46	-0.00135	PASS
					0	0.96	0.00037	PASS
					10	1.69	0.00066	PASS
					20	-0.73	-0.00028	PASS
					30	1.13	0.00044	PASS
					40	3.65	0.00142	PASS
					50	3.38	0.00132	PASS
		10	LCH	VN	-30	-1.63	-0.00065	PASS
					-20	0.36	0.00014	PASS
					-10	-1.20	-0.00048	PASS
					0	-2.50	-0.001	PASS
					10	-2.45	-0.00098	PASS
					20	-0.41	-0.00016	PASS
					30	0.72	0.00029	PASS
					40	-2.49	-0.00099	PASS
					50	2.49	0.00099	PASS
			MCH	VN	-30	1.10	0.00043	PASS
					-20	0.79	0.00031	PASS
					-10	0.90	0.00036	PASS
					0	1.17	0.00046	PASS
					10	1.92	0.00076	PASS
					20	-0.74	-0.00029	PASS
					30	-0.19	-0.00007	PASS
					40	2.16	0.00085	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	50	2.23	0.00088	PASS
					-30	-0.90	-0.00035	PASS
					-20	-0.53	-0.00021	PASS
					-10	-20.33	-0.00793	PASS
					0	1.24	0.00048	PASS
					10	-16.47	-0.00642	PASS
					20	-3.98	-0.00155	PASS
					30	1.27	0.0005	PASS
					40	-0.10	-0.00004	PASS
					50	-2.16	-0.00084	PASS
		15	LCH	VN	-30	0.64	0.00026	PASS
					-20	-1.29	-0.00051	PASS
					-10	-0.23	-0.00009	PASS
					0	2.39	0.00095	PASS
					10	-1.17	-0.00047	PASS
					20	0.51	0.0002	PASS
					30	0.77	0.00031	PASS
					40	1.40	0.00056	PASS
			MCH	VN	50	0.49	0.0002	PASS
					-30	-0.01	0	PASS
					-20	0.60	0.00024	PASS
					-10	1.13	0.00045	PASS
					0	-13.79	-0.00544	PASS
					10	0.54	0.00021	PASS
					20	3.42	0.00135	PASS
					30	1.42	0.00056	PASS
			HCH	VN	40	-0.46	-0.00018	PASS
					50	-0.97	-0.00038	PASS
					-30	-2.96	-0.00116	PASS
					-20	-11.90	-0.00464	PASS
					-10	-11.12	-0.00434	PASS
					0	-1.27	-0.0005	PASS
					10	-8.23	-0.00321	PASS
					20	-0.84	-0.00033	PASS
					30	-0.79	-0.00031	PASS
					40	-0.50	-0.0002	PASS
					50	-0.62	-0.00024	PASS
		20	LCH	VN	-30	-0.19	-0.00008	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.64	-0.00025	PASS
					-10	-1.63	-0.00065	PASS
					0	-0.99	-0.00039	PASS
					10	-1.59	-0.00063	PASS
					20	-1.36	-0.00054	PASS
					30	-0.40	-0.00016	PASS
					40	-2.80	-0.00112	PASS
					50	-1.14	-0.00045	PASS
			MCH	VN	-30	2.96	0.00117	PASS
					-20	2.29	0.0009	PASS
					-10	2.79	0.0011	PASS
					0	0.60	0.00024	PASS
					10	1.10	0.00043	PASS
					20	-0.46	-0.00018	PASS
					30	2.65	0.00105	PASS
					40	0.23	0.00009	PASS
					50	-0.40	-0.00016	PASS
			HCH	VN	-30	-0.20	-0.00008	PASS
					-20	-2.56	-0.001	PASS
					-10	0.99	0.00039	PASS
					0	-0.79	-0.00031	PASS
					10	-1.66	-0.00065	PASS
					20	-1.03	-0.0004	PASS
					30	-0.47	-0.00018	PASS
					40	-2.16	-0.00084	PASS
					50	-0.41	-0.00016	PASS

END