



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	22.09	21.29	33	PASS
				RB1#13	22.08	21.28	33	PASS
				RB1#24	22.04	21.24	33	PASS
				RB12#0	21.16	20.36	33	PASS
				RB12#6	21.29	20.49	33	PASS
				RB12#13	21.17	20.37	33	PASS
				RB25#0	21.20	20.40	33	PASS
			MCH	RB1#0	22.06	21.26	33	PASS
				RB1#13	22.08	21.28	33	PASS
				RB1#24	22.08	21.28	33	PASS
				RB12#0	21.07	20.27	33	PASS
				RB12#6	21.01	20.21	33	PASS
				RB12#13	21.12	20.32	33	PASS
				RB25#0	21.05	20.25	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.13	21.33	33	PASS
				RB1#13	22.16	21.36	33	PASS
				RB1#24	22.18	21.38	33	PASS
				RB12#0	21.14	20.34	33	PASS
				RB12#6	21.09	20.29	33	PASS
				RB12#13	21.17	20.37	33	PASS
				RB25#0	21.11	20.31	33	PASS
		10	LCH	RB1#0	22.09	21.29	33	PASS
				RB1#25	21.89	21.09	33	PASS
				RB1#49	22.14	21.34	33	PASS
				RB25#0	21.20	20.40	33	PASS
				RB25#13	21.25	20.45	33	PASS
				RB25#25	21.23	20.43	33	PASS
				RB50#0	21.22	20.42	33	PASS
		MCH	RB1#0	22.07	21.27	33	PASS	
			RB1#25	22.02	21.22	33	PASS	
			RB1#49	22.16	21.36	33	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.04	20.24	33	PASS
				RB25#13	21.05	20.25	33	PASS
				RB25#25	21.10	20.30	33	PASS
				RB50#0	21.03	20.23	33	PASS
			HCH	RB1#0	21.98	21.18	33	PASS
				RB1#25	21.95	21.15	33	PASS
				RB1#49	22.08	21.28	33	PASS
				RB25#0	21.05	20.25	33	PASS
				RB25#13	21.05	20.25	33	PASS
				RB25#25	21.14	20.34	33	PASS
				RB50#0	21.05	20.25	33	PASS
				15	LCH	RB1#0	22.14	21.34
		RB1#38	22.16			21.36	33	PASS
		RB1#74	22.07			21.27	33	PASS
		RB38#0	21.17			20.37	33	PASS
		RB38#19	21.23			20.43	33	PASS
		RB38#39	21.28			20.48	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB75#0	21.13	20.33	33	PASS
			MCH	RB1#0	21.95	21.15	33	PASS
				RB1#38	22.08	21.28	33	PASS
				RB1#74	22.01	21.21	33	PASS
				RB38#0	21.10	20.30	33	PASS
				RB38#19	21.06	20.26	33	PASS
				RB38#39	21.15	20.35	33	PASS
				RB75#0	21.03	20.23	33	PASS
				HCH	RB1#0	22.11	21.31	33
			RB1#38		22.12	21.32	33	PASS
			RB1#74		22.05	21.25	33	PASS
			RB38#0		21.06	20.26	33	PASS
			RB38#19		21.11	20.31	33	PASS
			RB38#39		21.09	20.29	33	PASS
			RB75#0		21.10	20.30	33	PASS
		20	LCH	RB1#0	22.22	21.42	33	PASS
				RB1#50	22.00	21.20	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	22.25	21.45	33	PASS
				RB50#0	21.18	20.38	33	PASS
				RB50#25	21.14	20.34	33	PASS
				RB50#50	21.10	20.30	33	PASS
				RB100#0	21.13	20.33	33	PASS
			MCH	RB1#0	22.14	21.34	33	PASS
				RB1#50	21.87	21.07	33	PASS
				RB1#99	22.23	21.43	33	PASS
				RB50#0	21.08	20.28	33	PASS
				RB50#25	21.09	20.29	33	PASS
				RB50#50	21.19	20.39	33	PASS
				RB100#0	21.10	20.30	33	PASS
			HCH	RB1#0	22.10	21.30	33	PASS
				RB1#50	21.88	21.08	33	PASS
				RB1#99	22.16	21.36	33	PASS
				RB50#0	21.04	20.24	33	PASS
				RB50#25	21.03	20.23	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	21.08	20.28	33	PASS
				RB100#0	21.05	20.25	33	PASS
	LTE/TM2	5	LCH	RB1#0	21.44	20.64	33	PASS
				RB1#13	21.51	20.71	33	PASS
				RB1#24	21.43	20.63	33	PASS
				RB12#0	20.21	19.41	33	PASS
				RB12#6	19.97	19.17	33	PASS
				RB12#13	20.23	19.43	33	PASS
				RB25#0	20.22	19.42	33	PASS
			MCH	RB1#0	21.26	20.46	33	PASS
				RB1#13	21.36	20.56	33	PASS
				RB1#24	21.33	20.53	33	PASS
				RB12#0	20.07	19.27	33	PASS
				RB12#6	19.96	19.16	33	PASS
				RB12#13	20.03	19.23	33	PASS
HCH	RB1#0	21.32	20.52	33	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	21.36	20.56	33	PASS
				RB1#24	21.34	20.54	33	PASS
				RB12#0	20.07	19.27	33	PASS
				RB12#6	19.95	19.15	33	PASS
				RB12#13	20.09	19.29	33	PASS
				RB25#0	20.06	19.26	33	PASS
		10	LCH	RB1#0	21.36	20.56	33	PASS
				RB1#25	21.20	20.40	33	PASS
				RB1#49	21.39	20.59	33	PASS
				RB25#0	20.09	19.29	33	PASS
				RB25#13	20.21	19.41	33	PASS
				RB25#25	20.22	19.42	33	PASS
				RB50#0	20.14	19.34	33	PASS
				MCH	RB1#0	21.07	20.27	33
		RB1#25	20.81		20.01	33	PASS	
		RB1#49	21.07		20.27	33	PASS	
		RB25#0	20.01		19.21	33	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.08	19.28	33	PASS
				RB25#25	20.05	19.25	33	PASS
				RB50#0	19.94	19.14	33	PASS
			HCH	RB1#0	21.48	20.68	33	PASS
				RB1#25	21.27	20.47	33	PASS
				RB1#49	21.51	20.71	33	PASS
				RB25#0	20.07	19.27	33	PASS
				RB25#13	20.03	19.23	33	PASS
				RB25#25	20.07	19.27	33	PASS
		15	LCH	RB50#0	20.02	19.22	33	PASS
				RB1#0	21.21	20.41	33	PASS
				RB1#38	21.48	20.68	33	PASS
				RB1#74	21.30	20.50	33	PASS
				RB38#0	20.09	19.29	33	PASS
				RB38#19	20.10	19.30	33	PASS
RB38#39	20.14	19.34	33	PASS				
RB75#0	20.06	19.26	33	PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.17	20.37	33	PASS
				RB1#38	21.30	20.50	33	PASS
				RB1#74	21.19	20.39	33	PASS
				RB38#0	20.04	19.24	33	PASS
				RB38#19	20.09	19.29	33	PASS
				RB38#39	20.05	19.25	33	PASS
			RB75#0	19.98	19.18	33	PASS	
			HCH	RB1#0	21.46	20.66	33	PASS
				RB1#38	21.51	20.71	33	PASS
				RB1#74	21.44	20.64	33	PASS
				RB38#0	20.05	19.25	33	PASS
				RB38#19	20.01	19.21	33	PASS
		RB38#39		19.99	19.19	33	PASS	
		20	LCH	RB1#0	21.44	20.64	33	PASS
				RB1#50	21.07	20.27	33	PASS
RB1#99	21.39			20.59	33	PASS		



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.06	19.26	33	PASS
				RB50#25	20.02	19.22	33	PASS
				RB50#50	20.04	19.24	33	PASS
				RB100#0	20.06	19.26	33	PASS
			MCH	RB1#0	21.42	20.62	33	PASS
				RB1#50	21.21	20.41	33	PASS
				RB1#99	21.50	20.70	33	PASS
				RB50#0	20.11	19.31	33	PASS
				RB50#25	19.99	19.19	33	PASS
				RB50#50	20.16	19.36	33	PASS
				RB100#0	20.02	19.22	33	PASS
			HCH	RB1#0	21.35	20.55	33	PASS
				RB1#50	21.05	20.25	33	PASS
				RB1#99	21.38	20.58	33	PASS
				RB50#0	19.94	19.14	33	PASS
				RB50#25	20.02	19.22	33	PASS
				RB50#50	19.97	19.17	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	20.07	19.27	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	4.36	13	PASS
				RB1#13	4.41	13	PASS
				RB1#24	4.53	13	PASS
				RB12#0	5.46	13	PASS
				RB12#6	5.38	13	PASS
				RB12#13	5.46	13	PASS
			RB25#0	5.83	13	PASS	
			MCH	RB1#0	4.67	13	PASS
				RB1#13	4.60	13	PASS
				RB1#24	4.63	13	PASS
				RB12#0	5.18	13	PASS
				RB12#6	5.29	13	PASS
		RB12#13		5.45	13	PASS	
		RB25#0	5.68	13	PASS		
		HCH	RB1#0	4.55	13	PASS	
			RB1#13	4.31	13	PASS	
			RB1#24	4.27	13	PASS	
			RB12#0	5.26	13	PASS	
			RB12#6	5.12	13	PASS	
			RB12#13	5.25	13	PASS	
		RB25#0	5.71	13	PASS		
		10	LCH	RB1#0	4.67	13	PASS
				RB1#25	4.97	13	PASS
				RB1#49	4.94	13	PASS
RB25#0	5.67			13	PASS		
RB25#13	5.63			13	PASS		
RB25#25	5.87			13	PASS		
RB50#0	5.88		13	PASS			
MCH	RB1#0		4.91	13	PASS		
	RB1#25		4.92	13	PASS		
	RB1#49		4.78	13	PASS		
	RB25#0		5.49	13	PASS		
	RB25#13		5.42	13	PASS		
	RB25#25	5.40	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict		
			HCH	RB50#0	5.94	13	PASS		
				RB1#0	4.88	13	PASS		
				RB1#25	4.69	13	PASS		
				RB1#49	4.28	13	PASS		
				RB25#0	5.68	13	PASS		
				RB25#13	5.42	13	PASS		
				RB25#25	5.34	13	PASS		
				RB50#0	5.79	13	PASS		
		15	LCH		RB1#0	4.57	13	PASS	
					RB1#38	4.73	13	PASS	
					RB1#74	4.95	13	PASS	
					RB38#0	5.69	13	PASS	
					RB38#19	5.67	13	PASS	
					RB38#39	5.93	13	PASS	
					RB75#0	6.25	13	PASS	
					MCH	RB1#0	4.74	13	PASS
						RB1#38	4.53	13	PASS
						RB1#74	4.71	13	PASS
						RB38#0	5.75	13	PASS
						RB38#19	5.64	13	PASS
						RB38#39	5.79	13	PASS
					HCH	RB1#0	4.86	13	PASS
		RB1#38	4.64	13		PASS			
		RB1#74	4.14	13		PASS			
		RB38#0	6.05	13		PASS			
		RB38#19	5.84	13		PASS			
		RB38#39	5.65	13		PASS			
		20	LCH		RB1#0	4.46	13	PASS	
					RB1#50	4.77	13	PASS	
					RB1#99	4.81	13	PASS	
					RB50#0	5.84	13	PASS	
					RB50#25	5.92	13	PASS	
					RB50#50	6.04	13	PASS	
RB100#0	6.19				13	PASS			
MCH	RB1#0		4.82	13	PASS				
	RB1#50		4.62	13	PASS				
	RB1#99		4.71	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
	LTE/TM1			RB50#0	5.74	13	PASS	
				RB50#25	5.56	13	PASS	
				RB50#50	5.64	13	PASS	
				RB100#0	6.27	13	PASS	
			HCH	RB1#0	4.81	13	PASS	
				RB1#50	4.89	13	PASS	
				RB1#99	4.30	13	PASS	
				RB50#0	6.10	13	PASS	
				RB50#25	5.99	13	PASS	
				RB50#50	5.74	13	PASS	
			RB100#0	6.23	13	PASS		
			5	LCH	RB1#0	5.16	13	PASS
					RB1#13	5.17	13	PASS
					RB1#24	5.34	13	PASS
					RB12#0	5.97	13	PASS
	RB12#6	5.84			13	PASS		
	RB12#13	6.04			13	PASS		
	RB25#0	6.66		13	PASS			
	MCH	RB1#0		5.55	13	PASS		
		RB1#13		5.51	13	PASS		
		RB1#24		5.53	13	PASS		
		RB12#0		6.24	13	PASS		
		RB12#6		5.78	13	PASS		
		RB12#13	5.89	13	PASS			
	RB25#0	6.35	13	PASS				
	HCH	RB1#0	4.97	13	PASS			
		RB1#13	4.74	13	PASS			
		RB1#24	4.67	13	PASS			
		RB12#0	5.90	13	PASS			
		RB12#6	5.72	13	PASS			
RB12#13		5.81	13	PASS				
RB25#0	6.33	13	PASS					
10	LCH	RB1#0	5.27	13	PASS			
		RB1#25	5.46	13	PASS			
		RB1#49	5.66	13	PASS			
		RB25#0	6.14	13	PASS			
		RB25#13	6.19	13	PASS			
		RB25#25	6.33	13	PASS			
		RB50#0	6.84	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			MCH	RB1#0	5.47	13	PASS	
				RB1#25	5.41	13	PASS	
				RB1#49	5.37	13	PASS	
				RB25#0	6.23	13	PASS	
				RB25#13	6.07	13	PASS	
				RB25#25	6.17	13	PASS	
				RB50#0	6.38	13	PASS	
			HCH	RB1#0	5.29	13	PASS	
				RB1#25	4.99	13	PASS	
				RB1#49	5.00	13	PASS	
				RB25#0	6.25	13	PASS	
				RB25#13	5.95	13	PASS	
				RB25#25	5.90	13	PASS	
				RB50#0	6.26	13	PASS	
		15	LCH		RB1#0	5.30	13	PASS
					RB1#38	5.53	13	PASS
					RB1#74	5.83	13	PASS
					RB38#0	6.32	13	PASS
					RB38#19	6.23	13	PASS
					RB38#39	6.55	13	PASS
					RB75#0	7.00	13	PASS
			MCH	RB1#0	5.44	13	PASS	
				RB1#38	5.48	13	PASS	
				RB1#74	5.50	13	PASS	
				RB38#0	6.37	13	PASS	
				RB38#19	6.16	13	PASS	
				RB38#39	6.30	13	PASS	
				RB75#0	6.51	13	PASS	
		HCH	RB1#0	5.27	13	PASS		
			RB1#38	4.97	13	PASS		
			RB1#74	4.92	13	PASS		
			RB38#0	6.60	13	PASS		
RB38#19	6.29		13	PASS				
RB38#39	6.26		13	PASS				
RB75#0	6.97		13	PASS				
20	LCH	RB1#0	4.89	13	PASS			
		RB1#50	5.18	13	PASS			
		RB1#99	5.27	13	PASS			
		RB50#0	6.32	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	6.36	13	PASS
				RB50#50	6.57	13	PASS
				RB100#0	6.96	13	PASS
			MCH	RB1#0	5.52	13	PASS
				RB1#50	5.40	13	PASS
				RB1#99	5.35	13	PASS
				RB50#0	6.24	13	PASS
				RB50#25	6.04	13	PASS
				RB50#50	6.21	13	PASS
			HCH	RB100#0	6.61	13	PASS
				RB1#0	5.72	13	PASS
				RB1#50	5.83	13	PASS
				RB1#99	5.22	13	PASS
				RB50#0	6.58	13	PASS
				RB50#25	6.49	13	PASS
				RB50#50	6.28	13	PASS
			RB100#0	6.70	13	PASS	

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

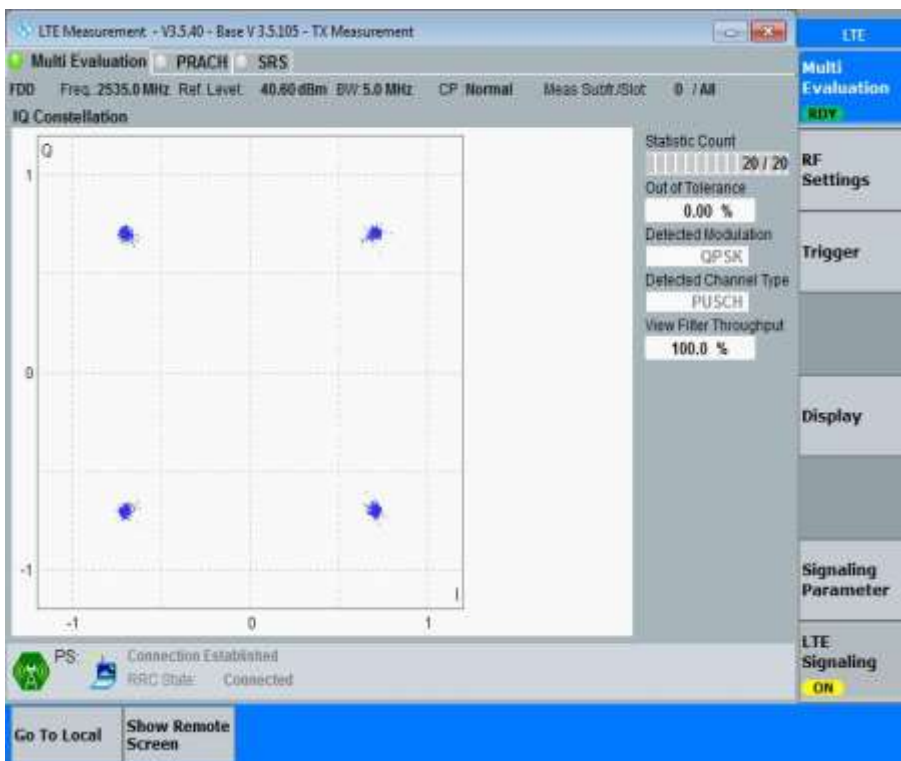
3.1.1 Test Band = BAND7

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

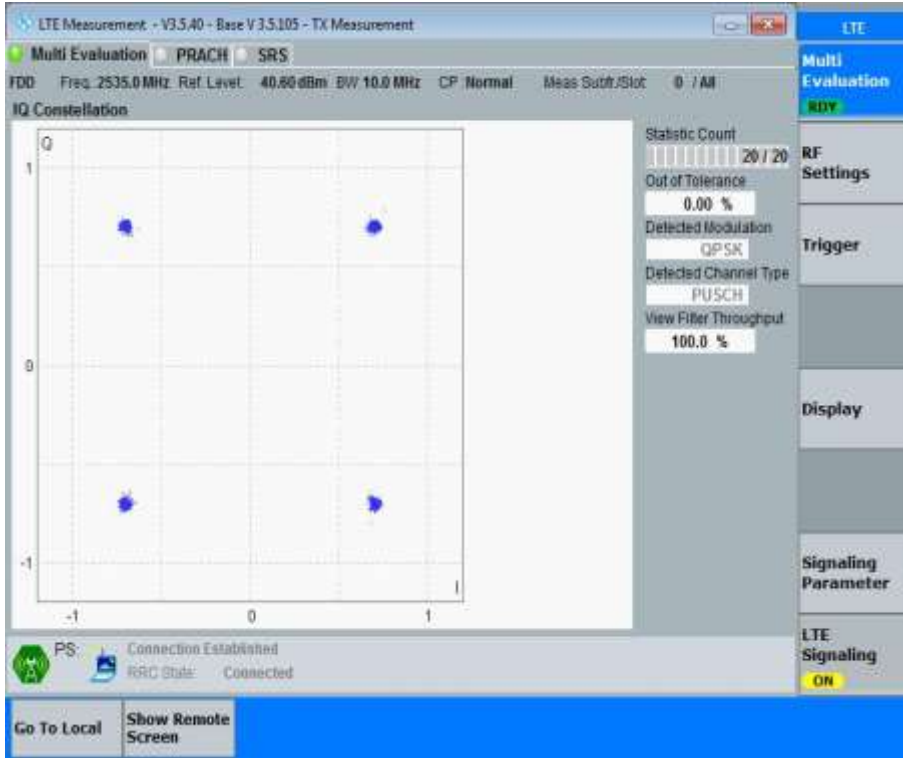
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

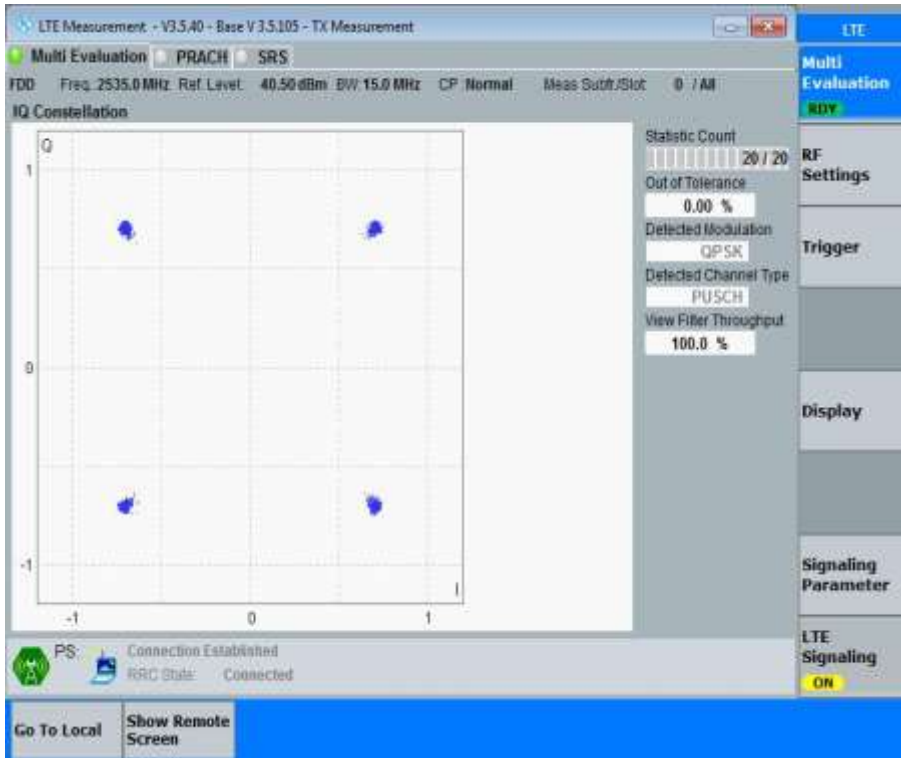
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

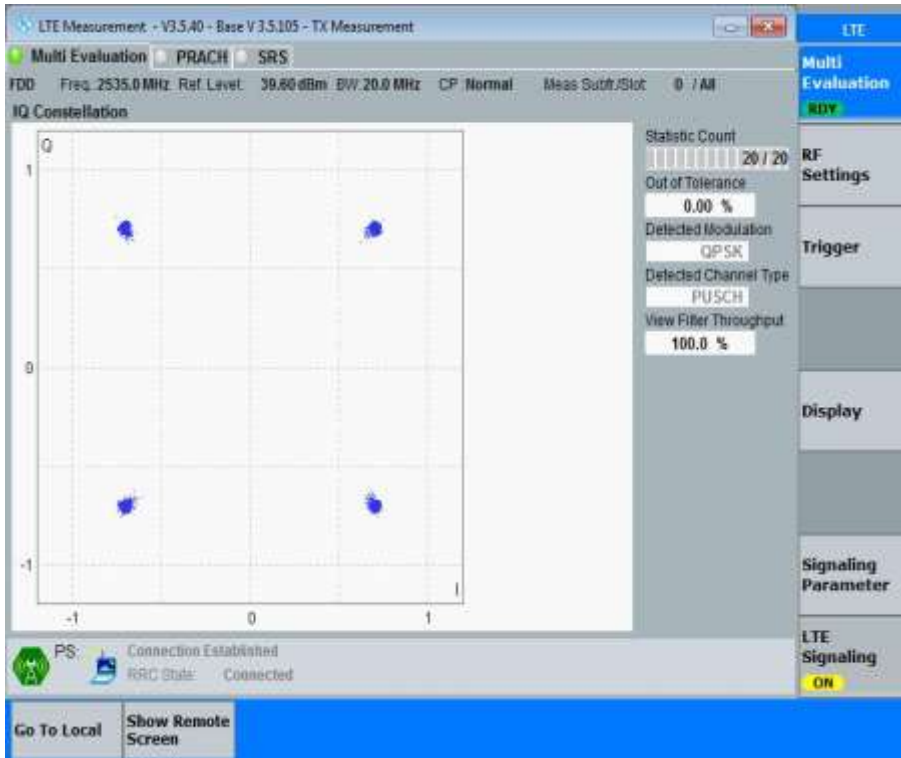
3.1.1.1.3.1.1 Test RB = RB75#0



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

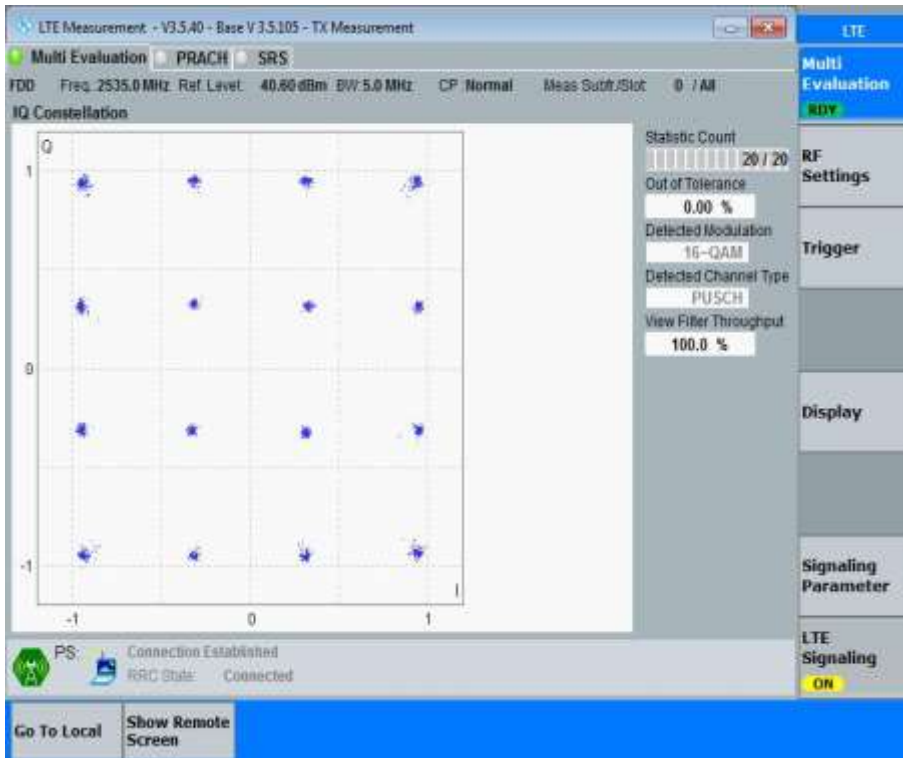


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

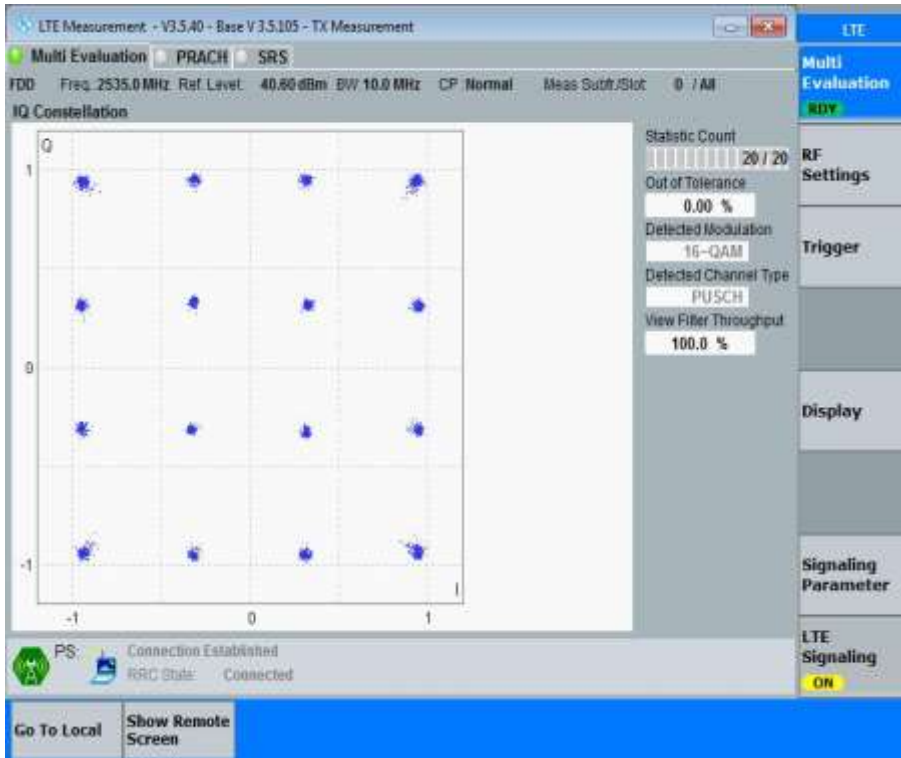
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

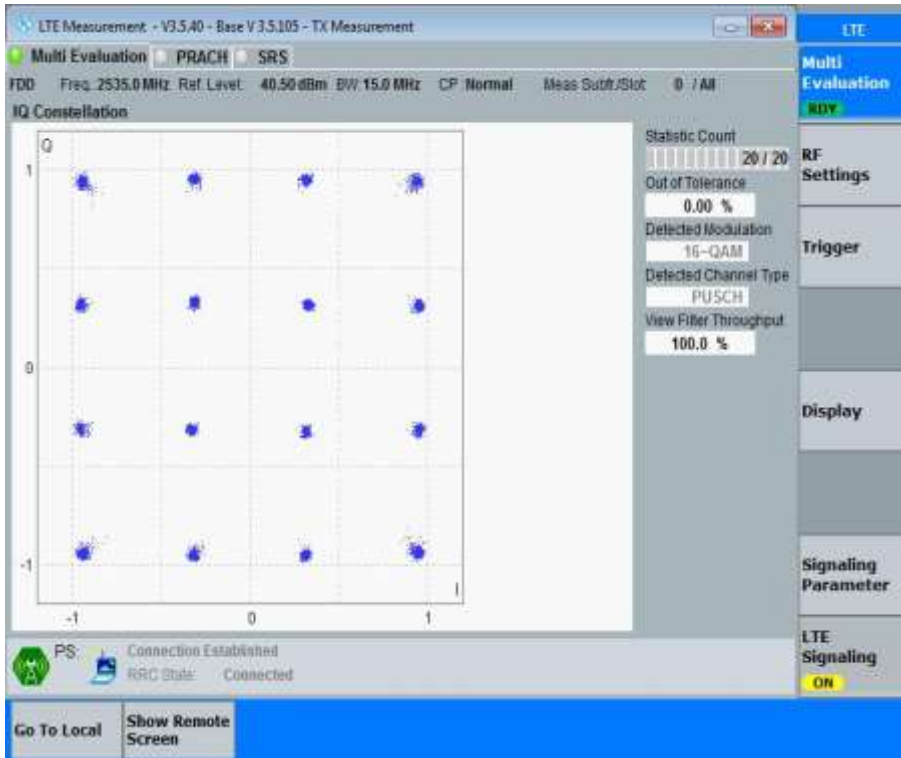
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

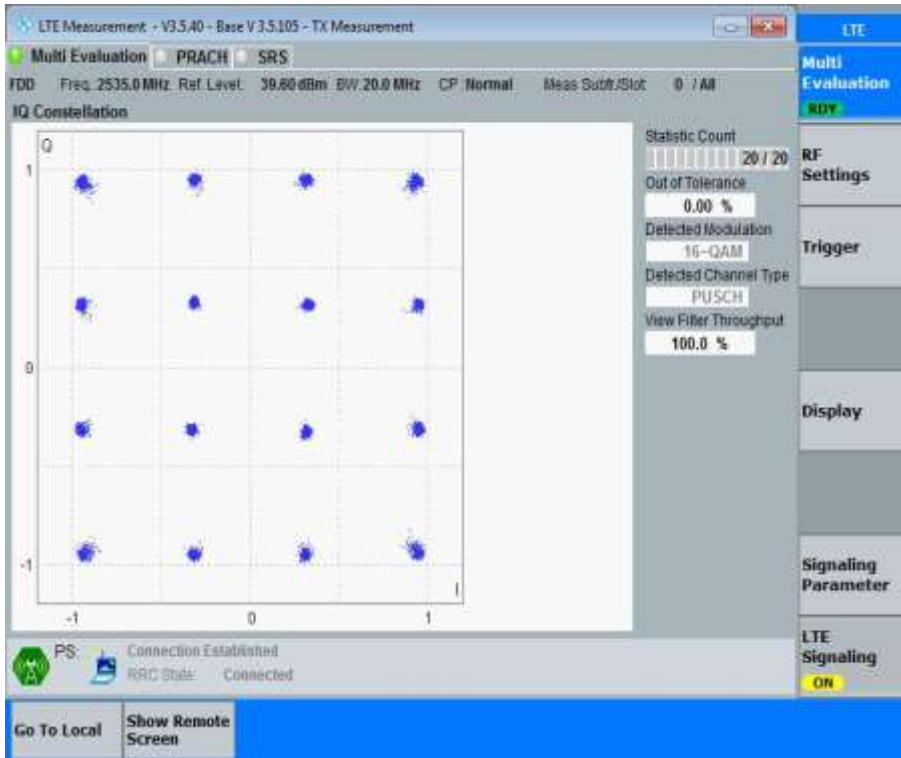
3.1.1.2.3.1.1 Test RB = RB75#0



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	4.51	5.00	Pass
			MCH	RB25#0	4.52	4.97	Pass
			HCH	RB25#0	4.52	4.96	Pass
		10	LCH	RB50#0	9.02	9.87	Pass
			MCH	RB50#0	9.02	9.85	Pass
			HCH	RB50#0	8.99	9.86	Pass
		15	LCH	RB75#0	13.50	14.94	Pass
			MCH	RB75#0	13.52	14.81	Pass
			HCH	RB75#0	13.48	14.89	Pass
		20	LCH	RB100#0	18.00	19.69	Pass
			MCH	RB100#0	18.00	19.72	Pass
			HCH	RB100#0	18.02	19.70	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	5.06	Pass
			MCH	RB25#0	4.52	4.96	Pass
			HCH	RB25#0	4.52	5.01	Pass
		10	LCH	RB50#0	9.00	9.89	Pass
			MCH	RB50#0	9.01	9.90	Pass
			HCH	RB50#0	9.03	9.93	Pass
		15	LCH	RB75#0	13.53	14.98	Pass
			MCH	RB75#0	13.51	14.92	Pass
			HCH	RB75#0	13.52	14.87	Pass
		20	LCH	RB100#0	18.03	19.70	Pass
			MCH	RB100#0	18.05	19.74	Pass
			HCH	RB100#0	17.99	19.63	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

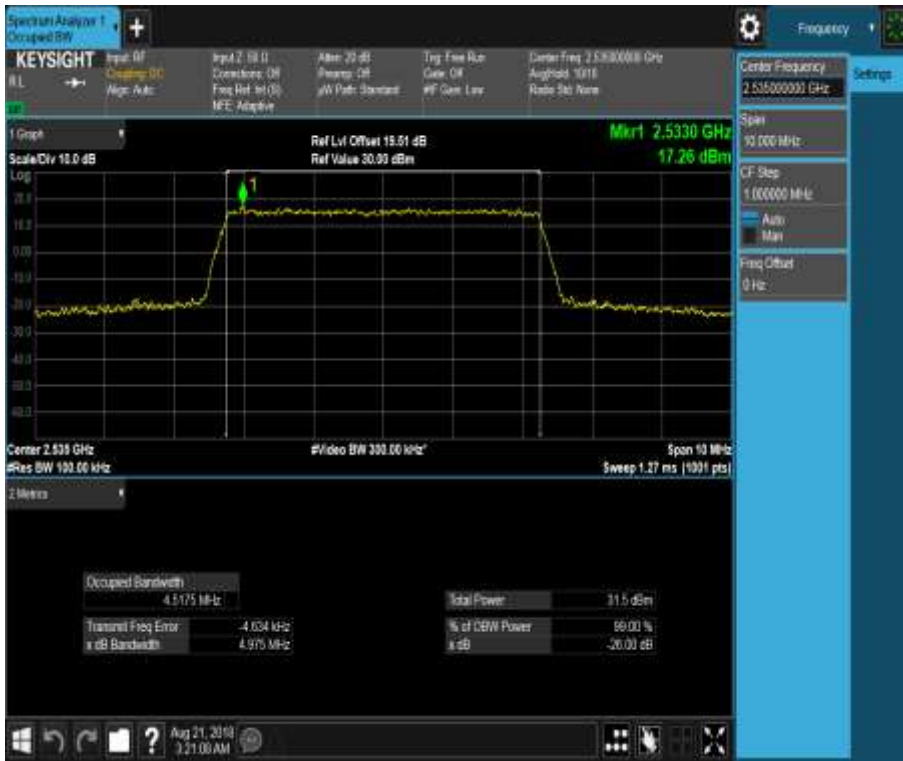
4.1.1.1.1.1 Test Channel = LCH

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



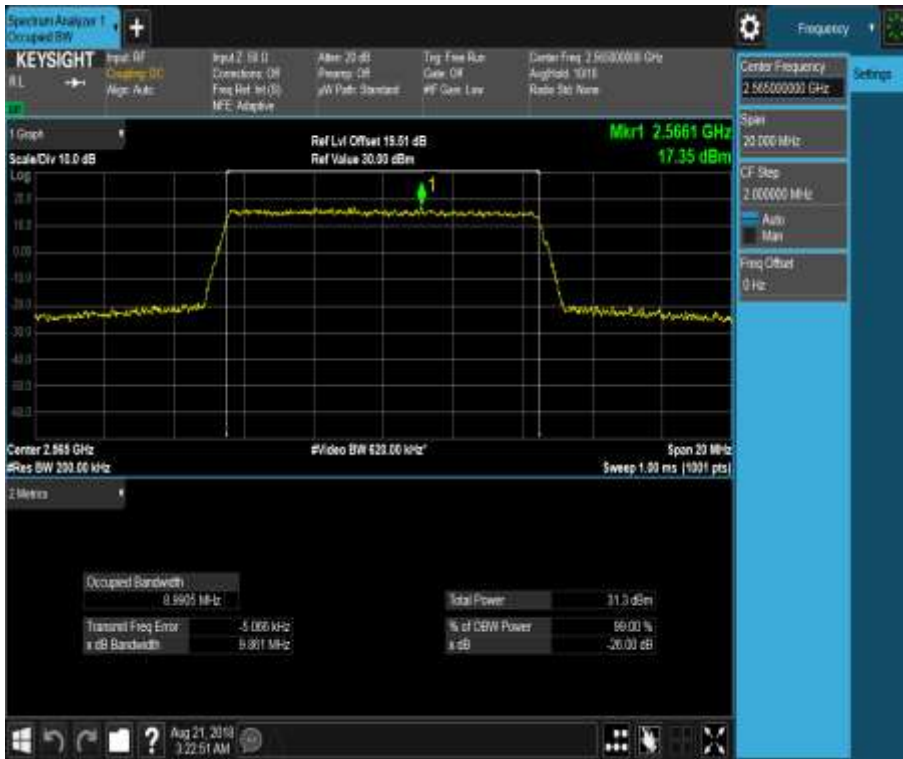
4.1.1.1.2.2 Test Channel = MCH

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



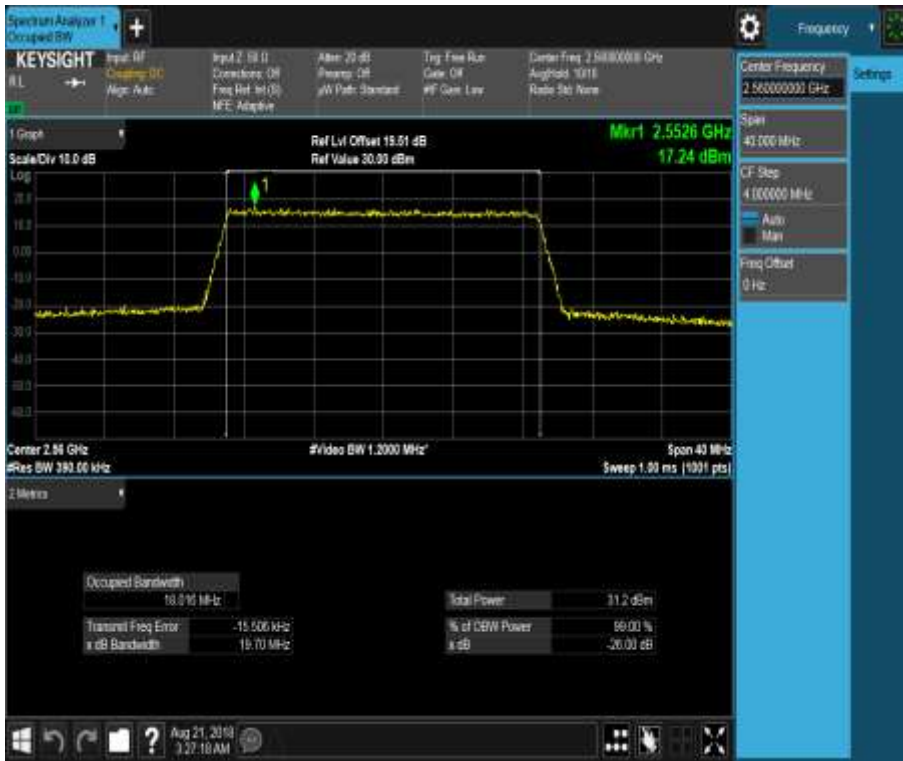
4.1.1.1.4.2 Test Channel = MCH

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

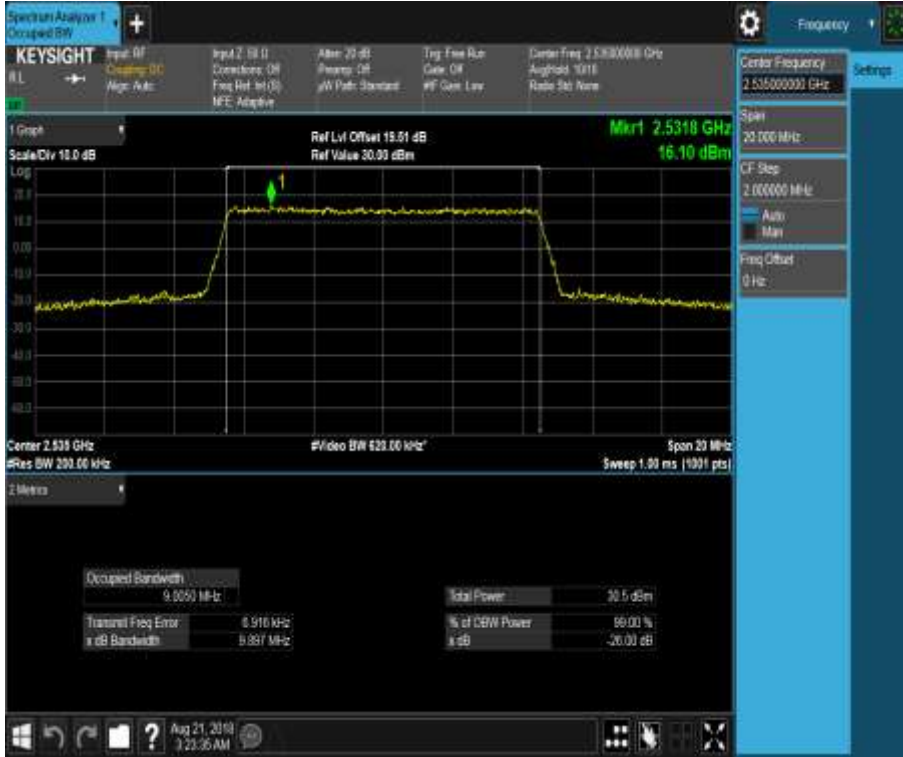
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0



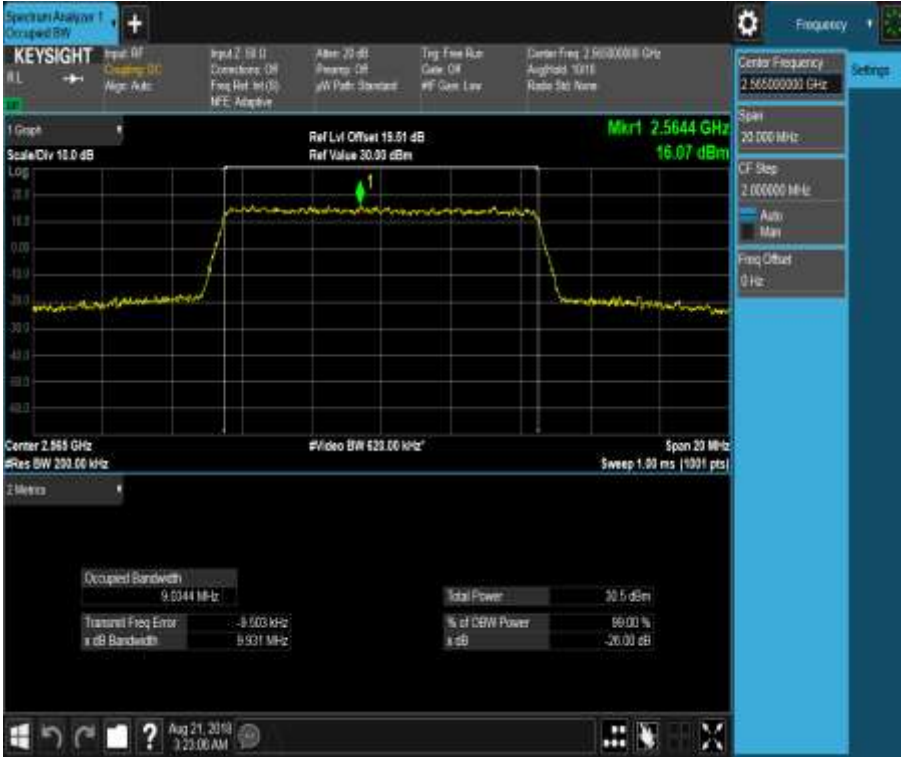
4.1.1.2.2.2 Test Channel = MCH

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

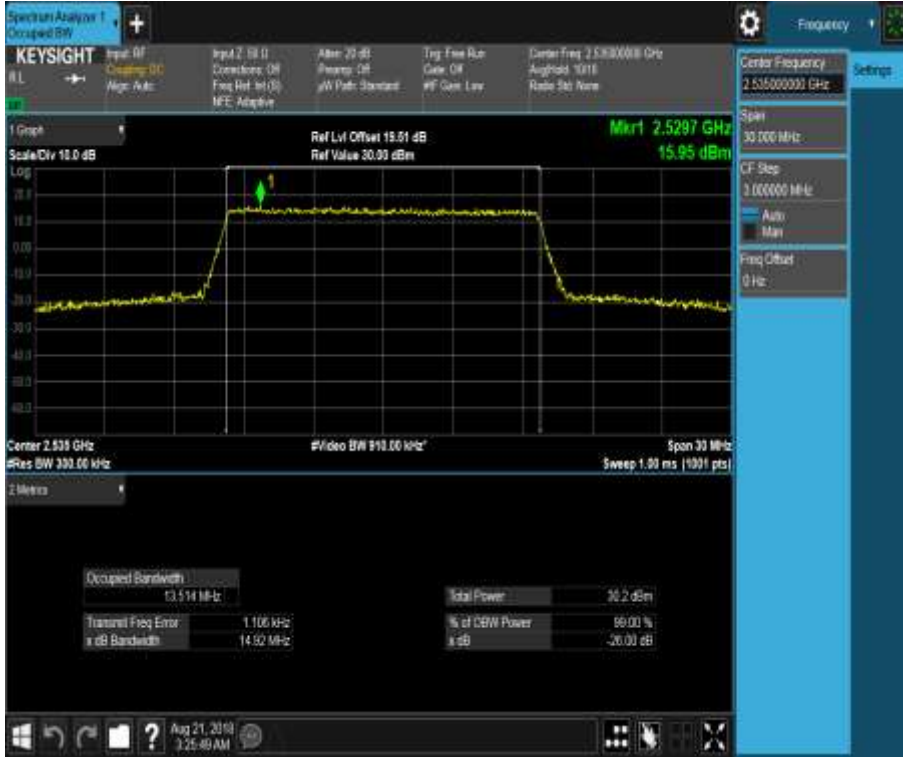
4.1.1.2.3.1 Test Channel = LCH

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



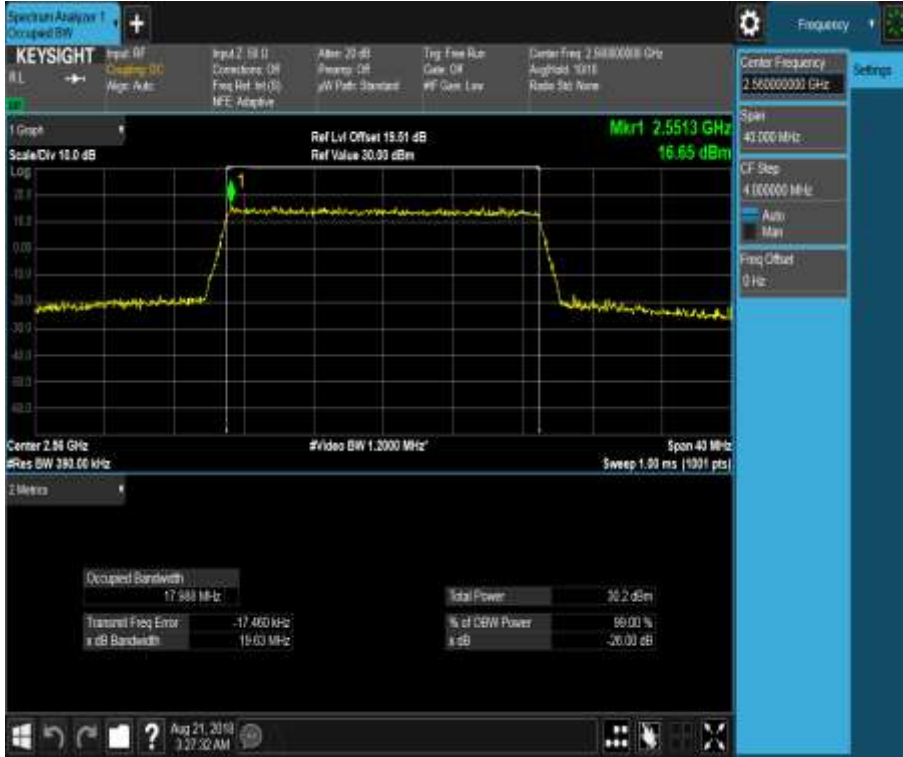
4.1.1.2.4.2 Test Channel = MCH

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

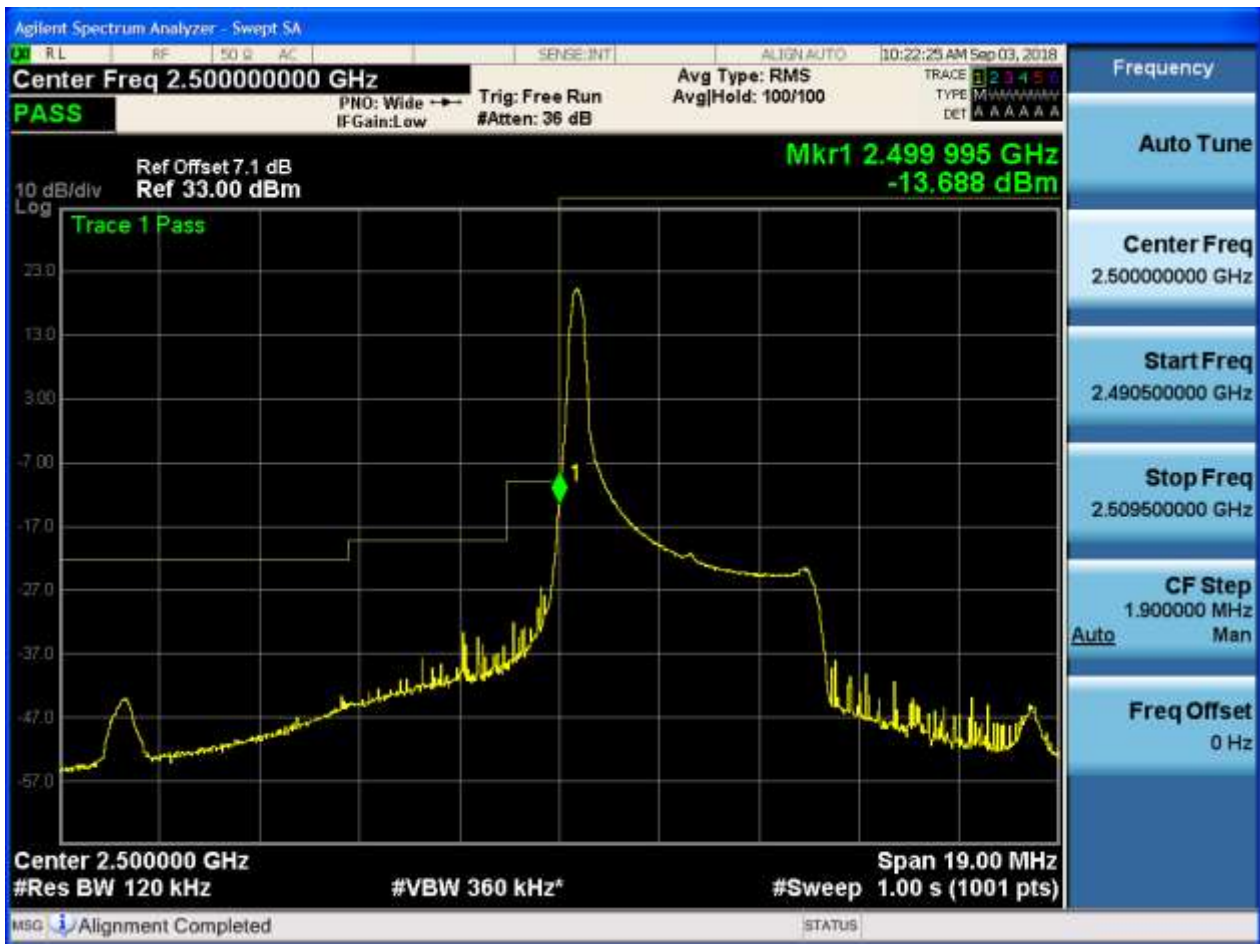
5.1.1 Test Band = BAND7

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



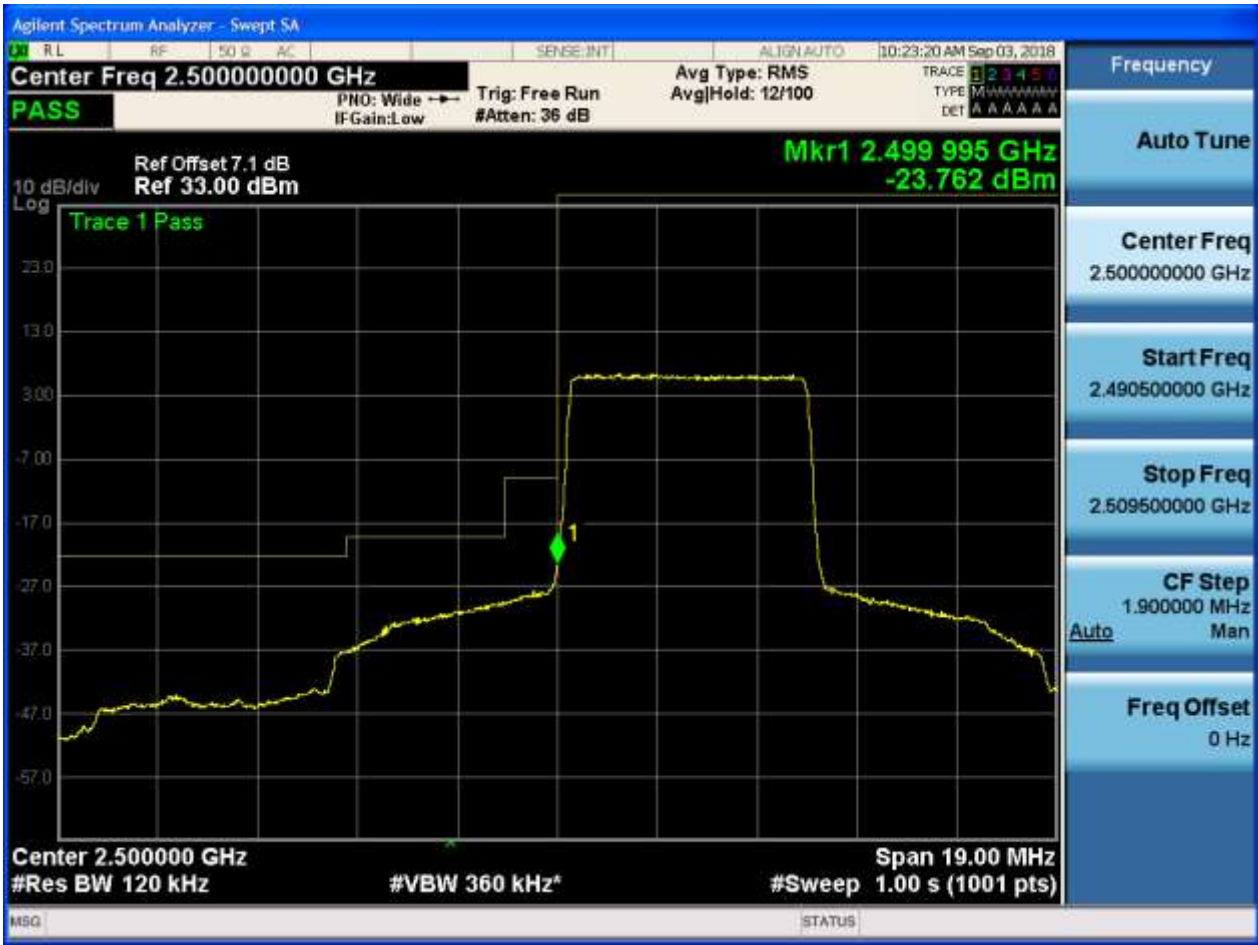


5.1.1.1.1.3 Test RB = RB12#6





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



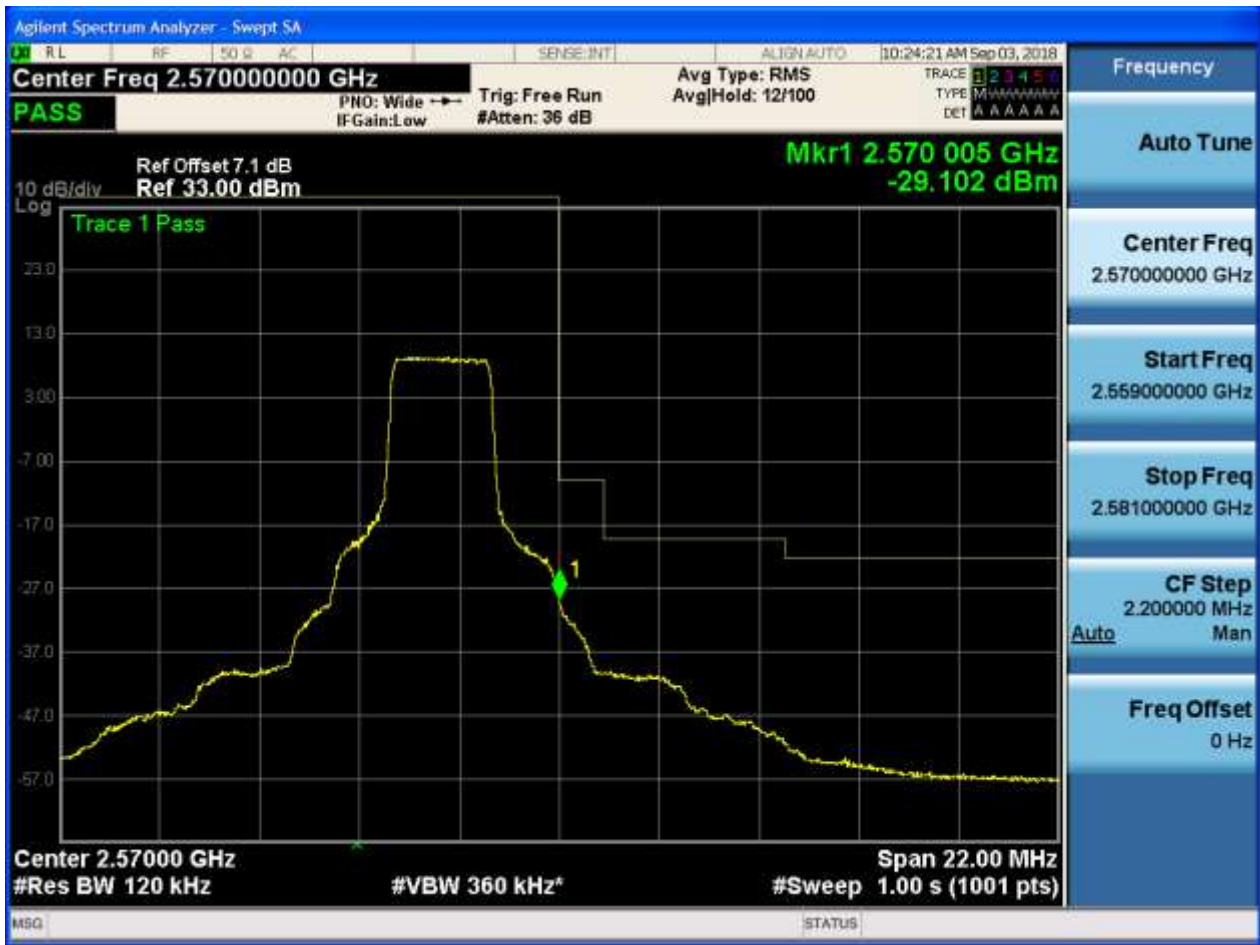


5.1.1.1.1.2.2 Test RB = RB1#24





5.1.1.1.2.3 Test RB = RB12#6





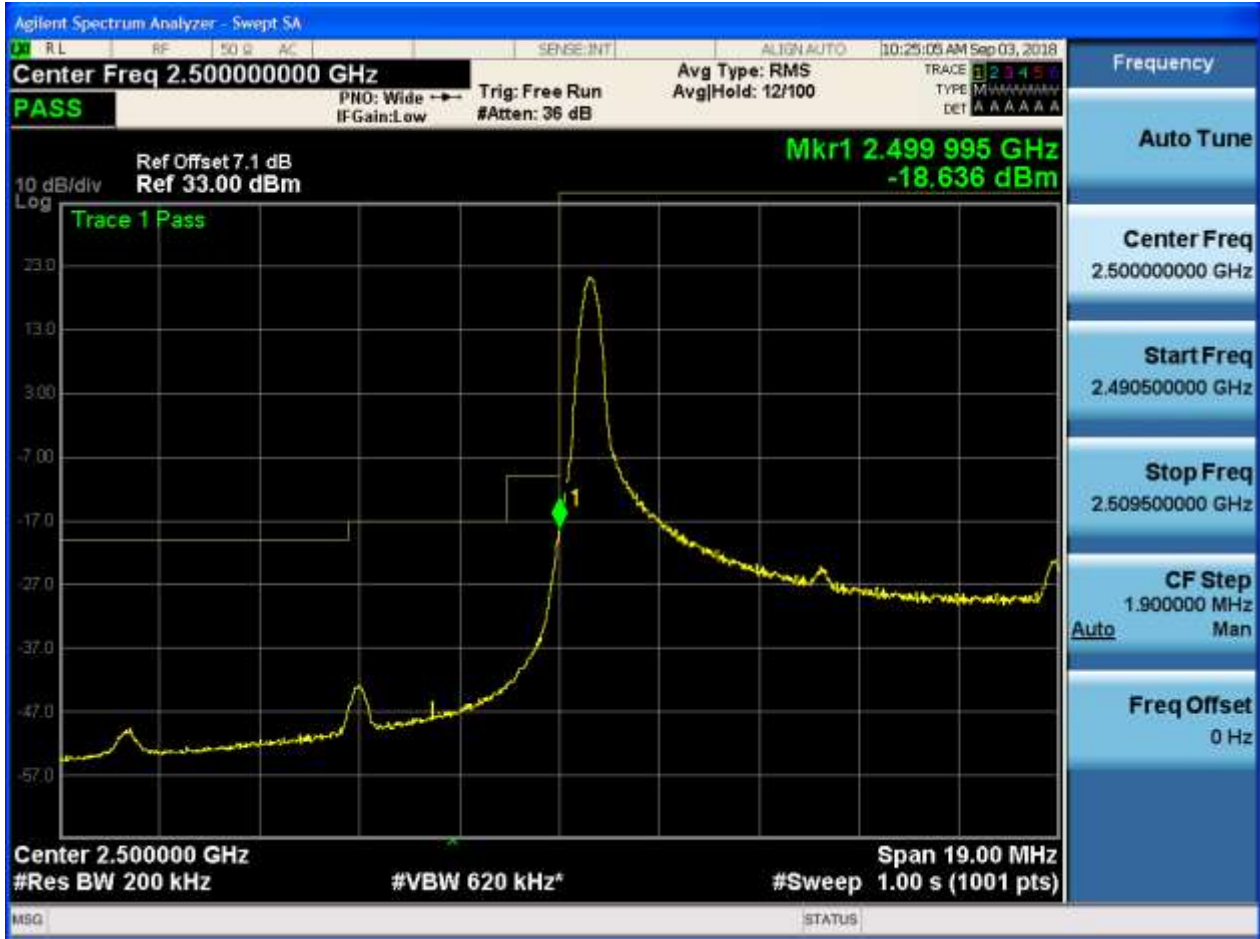
5.1.1.1.1.2.4 Test RB = RB25#0



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



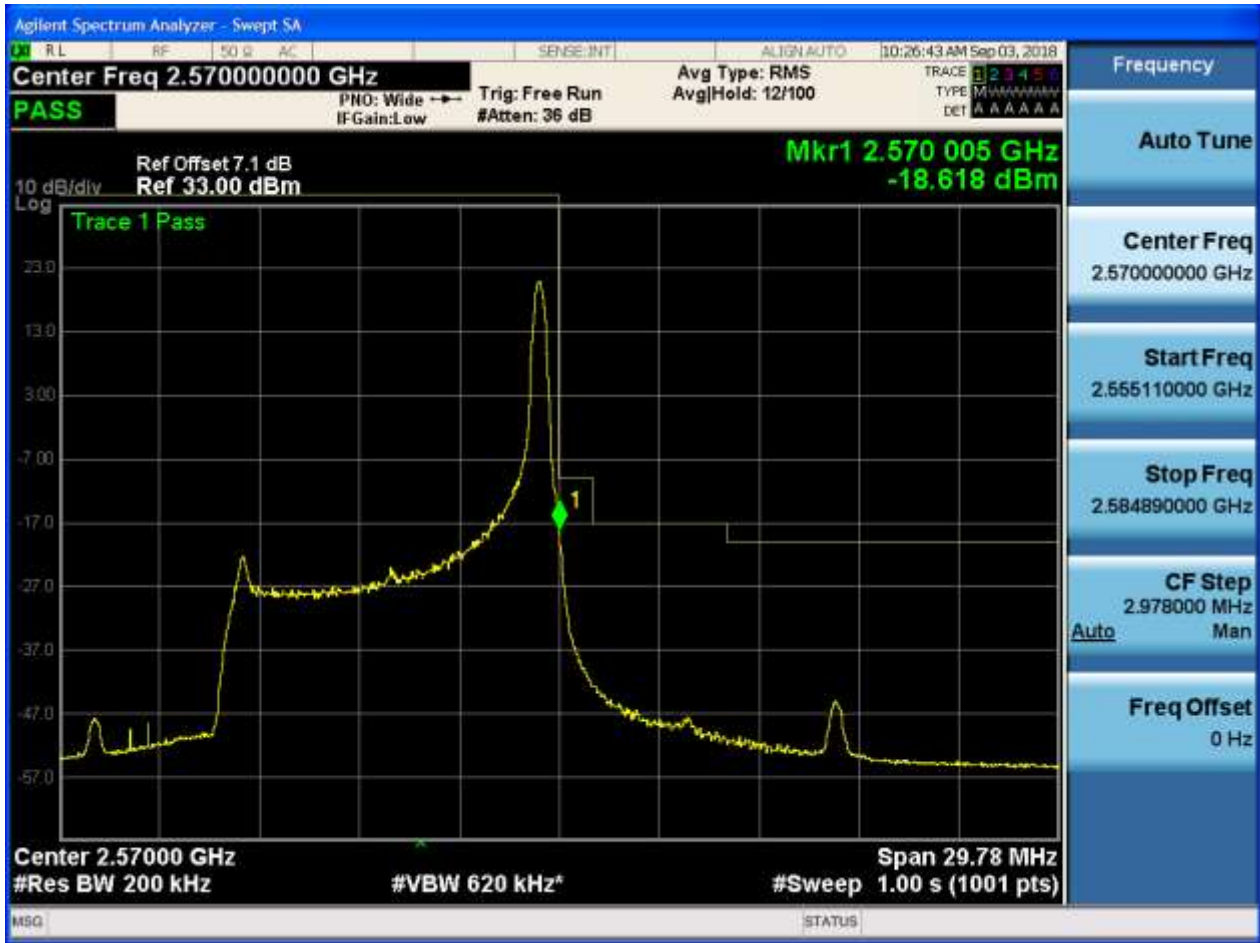
5.1.1.1.2.2 Test Channel = HCH

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





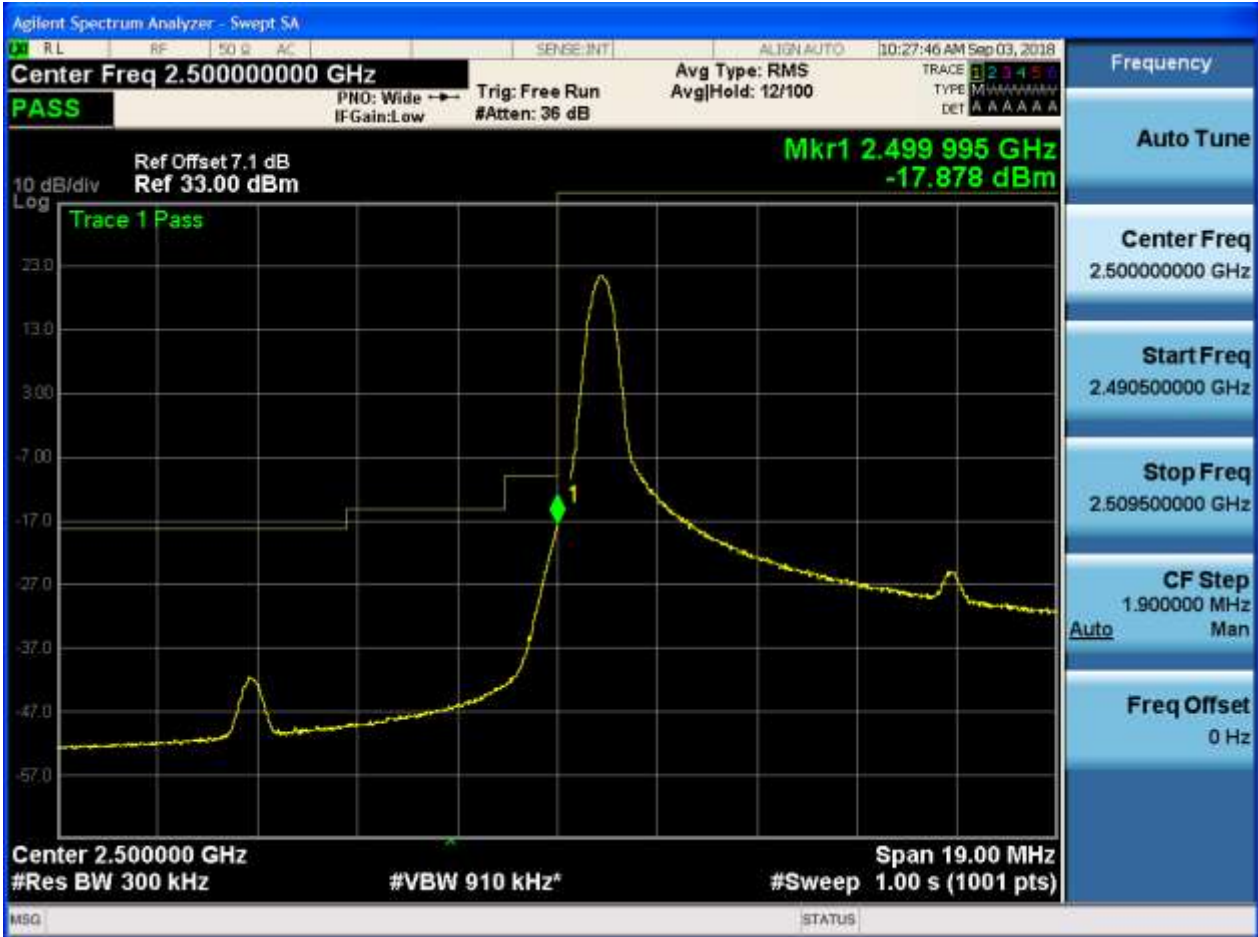
5.1.1.1.2.2.4 Test RB = RB50#0



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





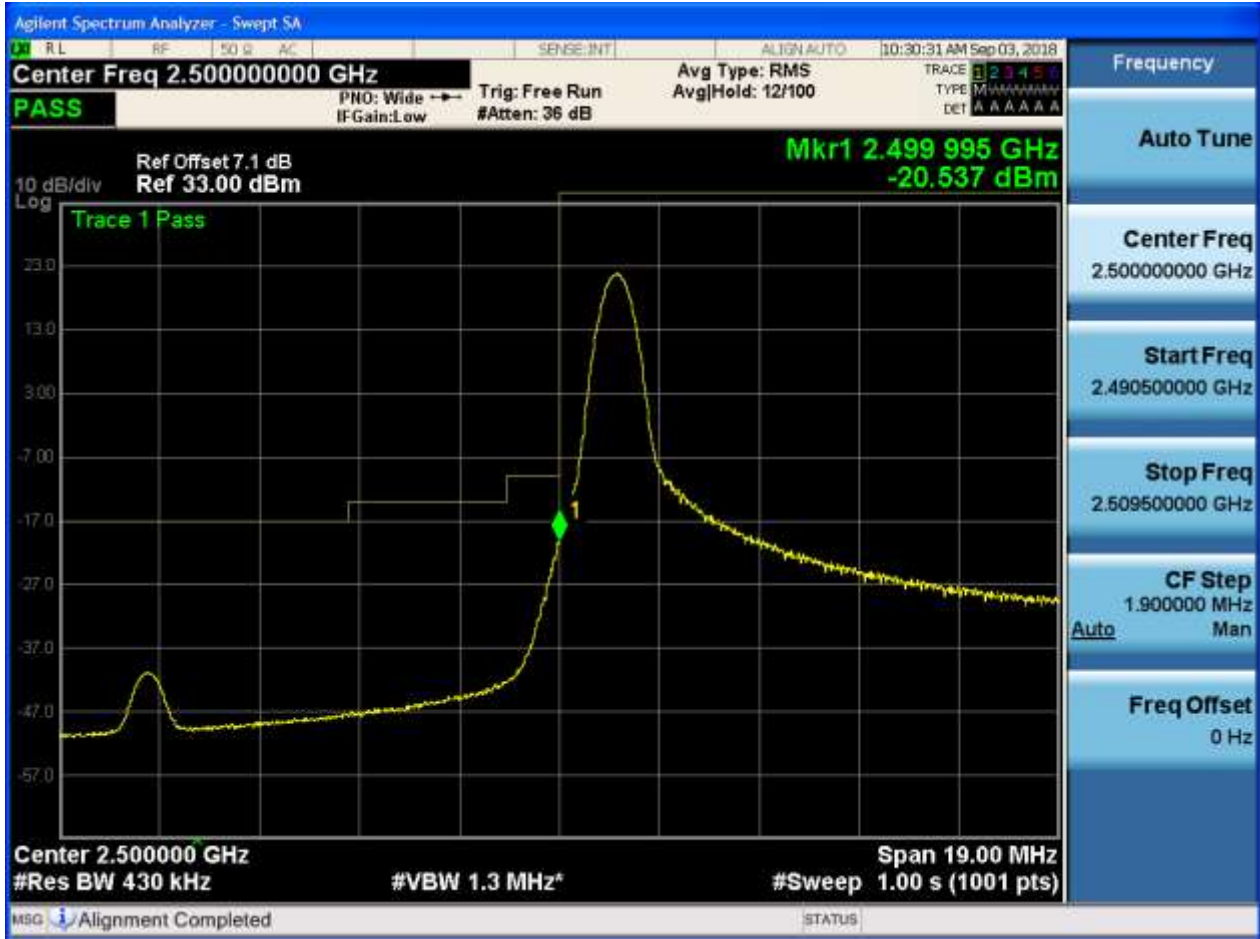
5.1.1.1.3.2.4 Test RB = RB75#0



5.1.1.1.4 Test Bandwidth = 20

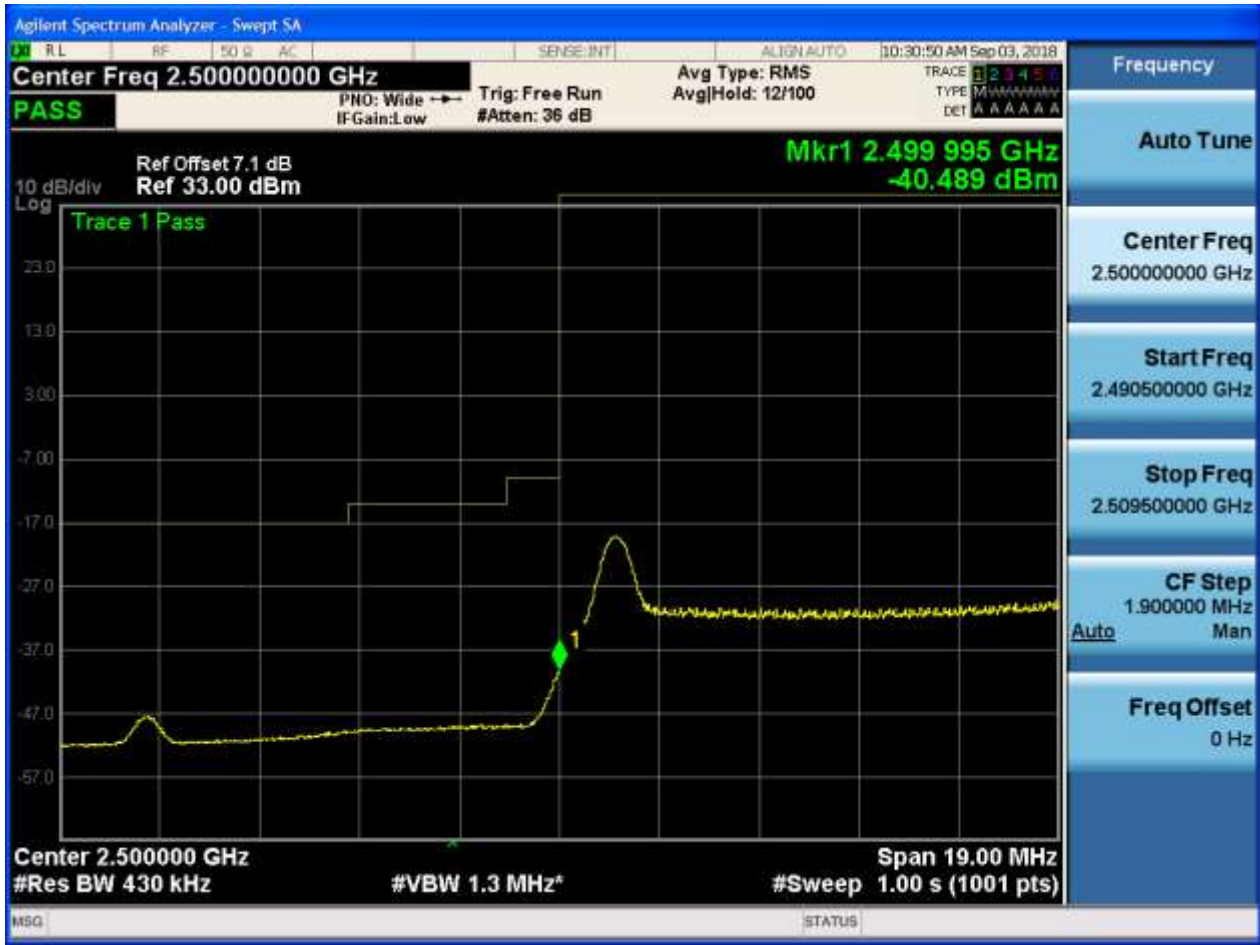
5.1.1.1.4.1 Test Channel = LCH

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

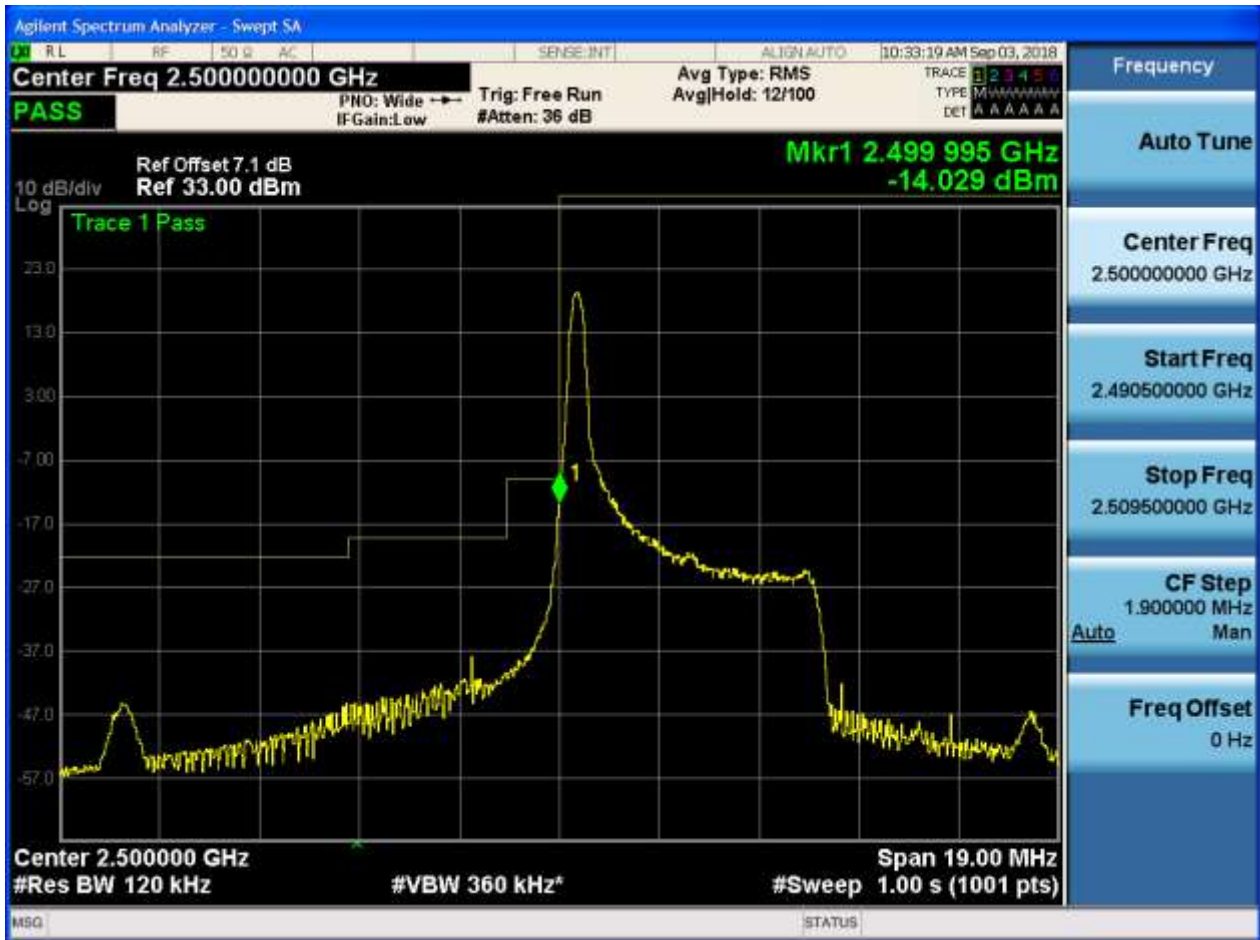


5.1.1.2 Test Mode = LTE/TM2

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



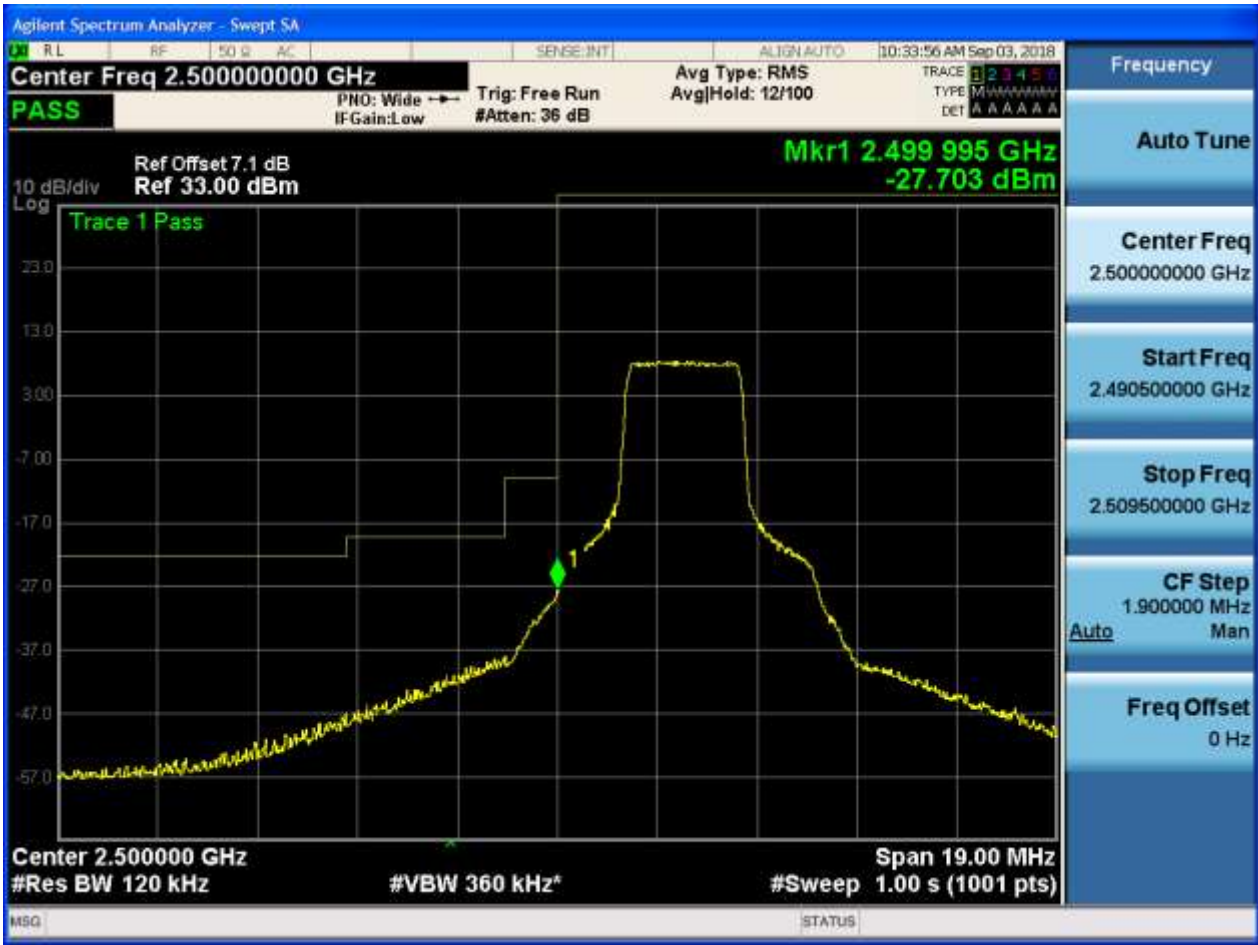


5.1.1.2.1.1.2 Test RB = RB1#24





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



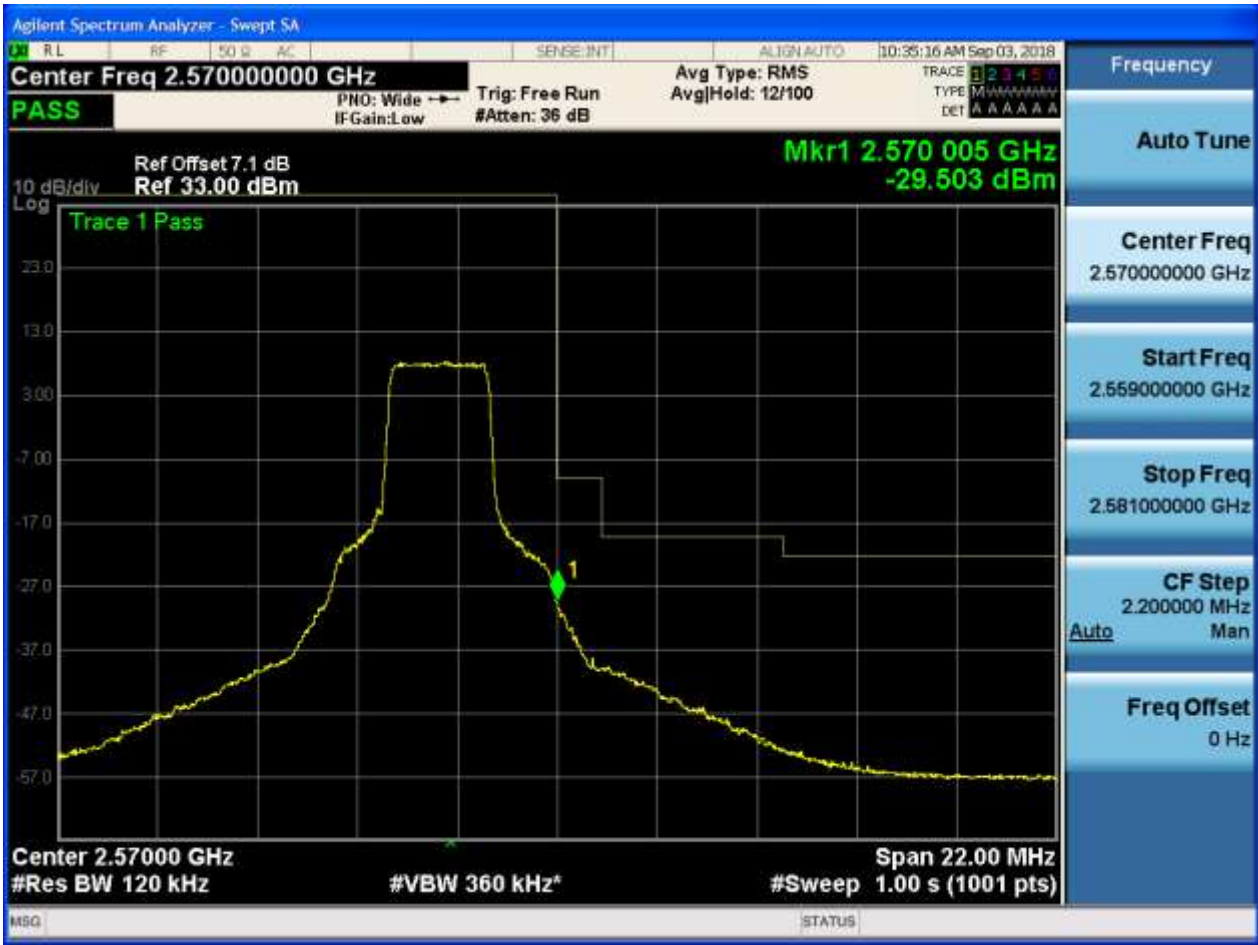


5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





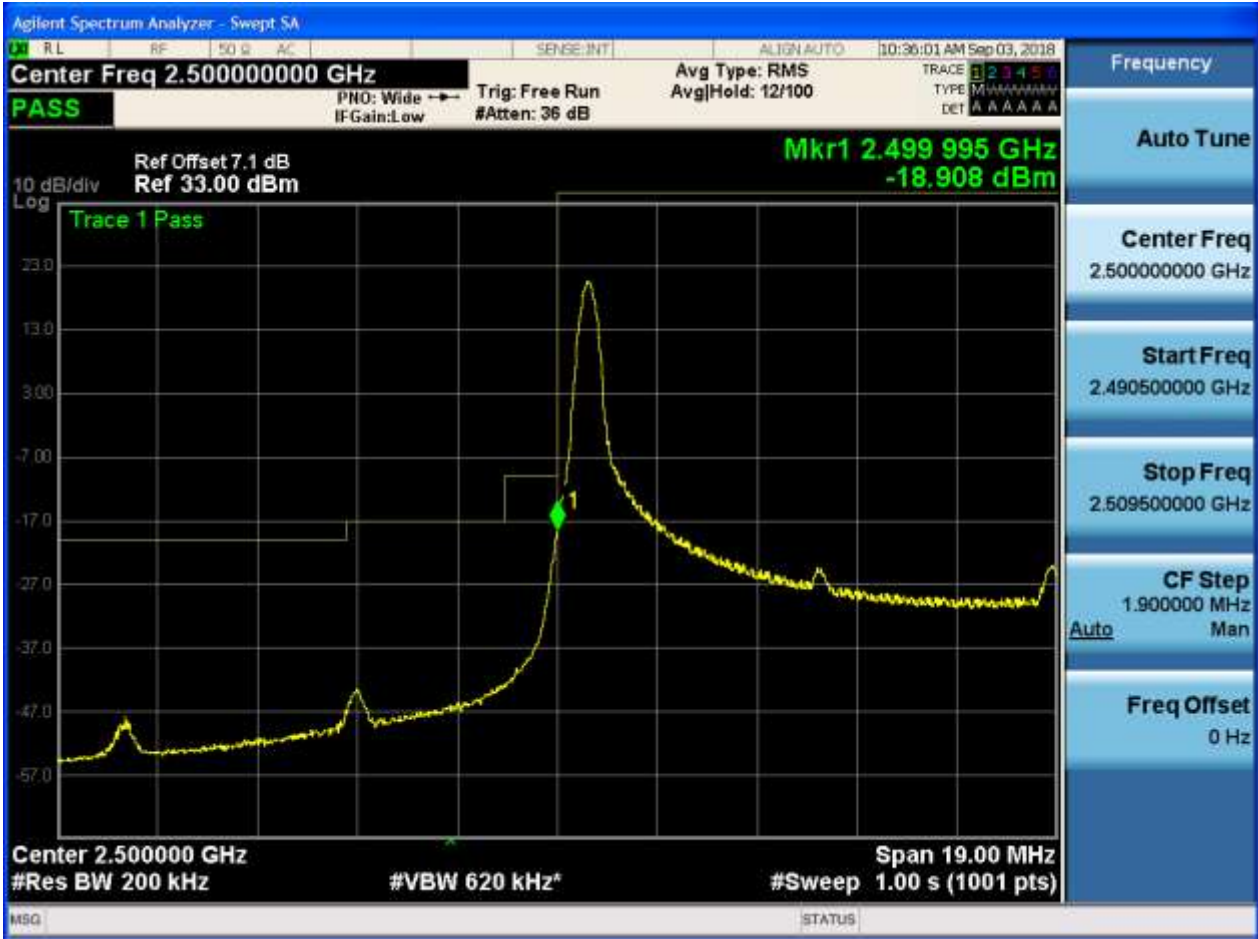
5.1.1.2.1.2.4 Test RB = RB25#0



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



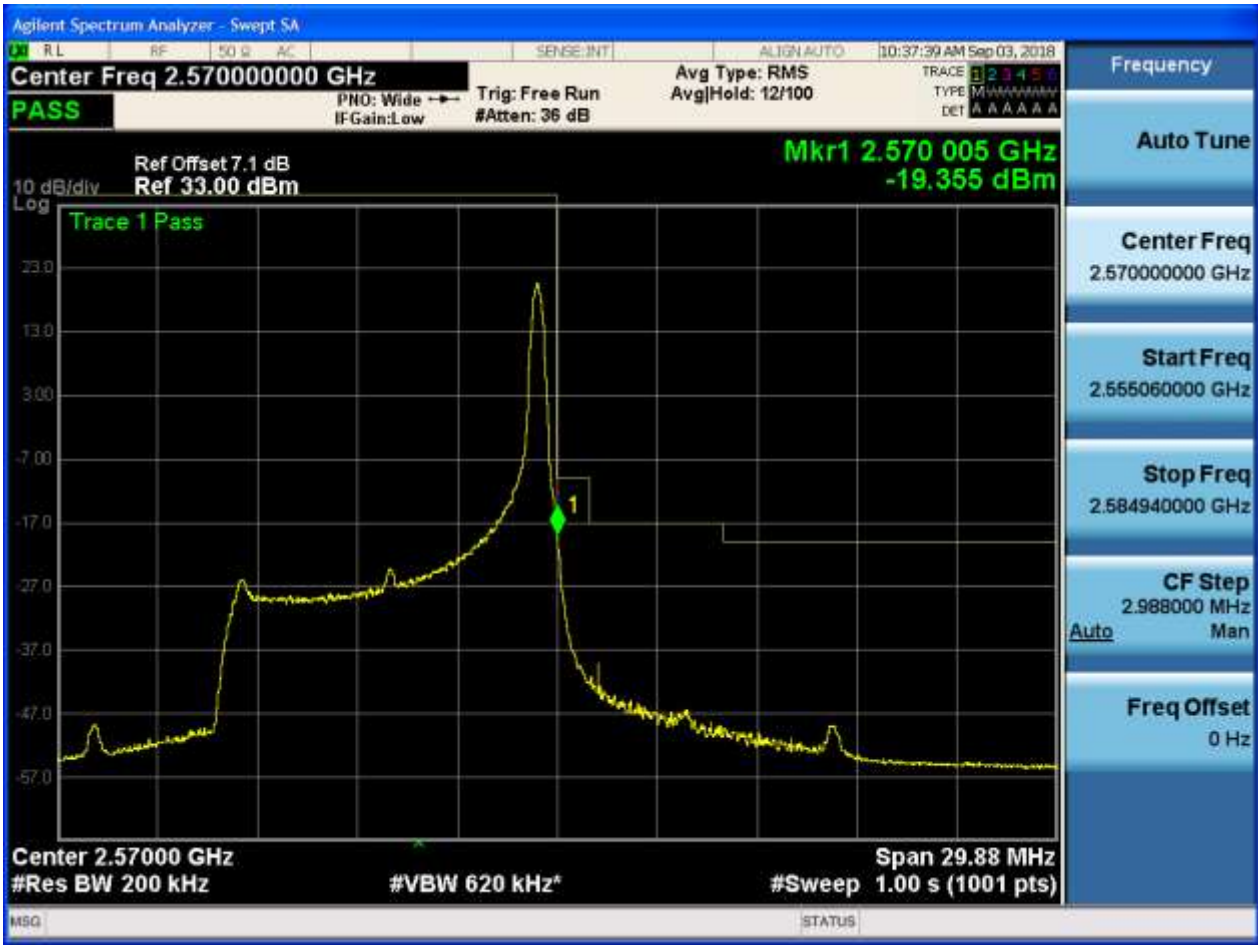
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#49





5.1.1.2.2.2.3 Test RB = RB25#13





5.1.1.2.2.2.4 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





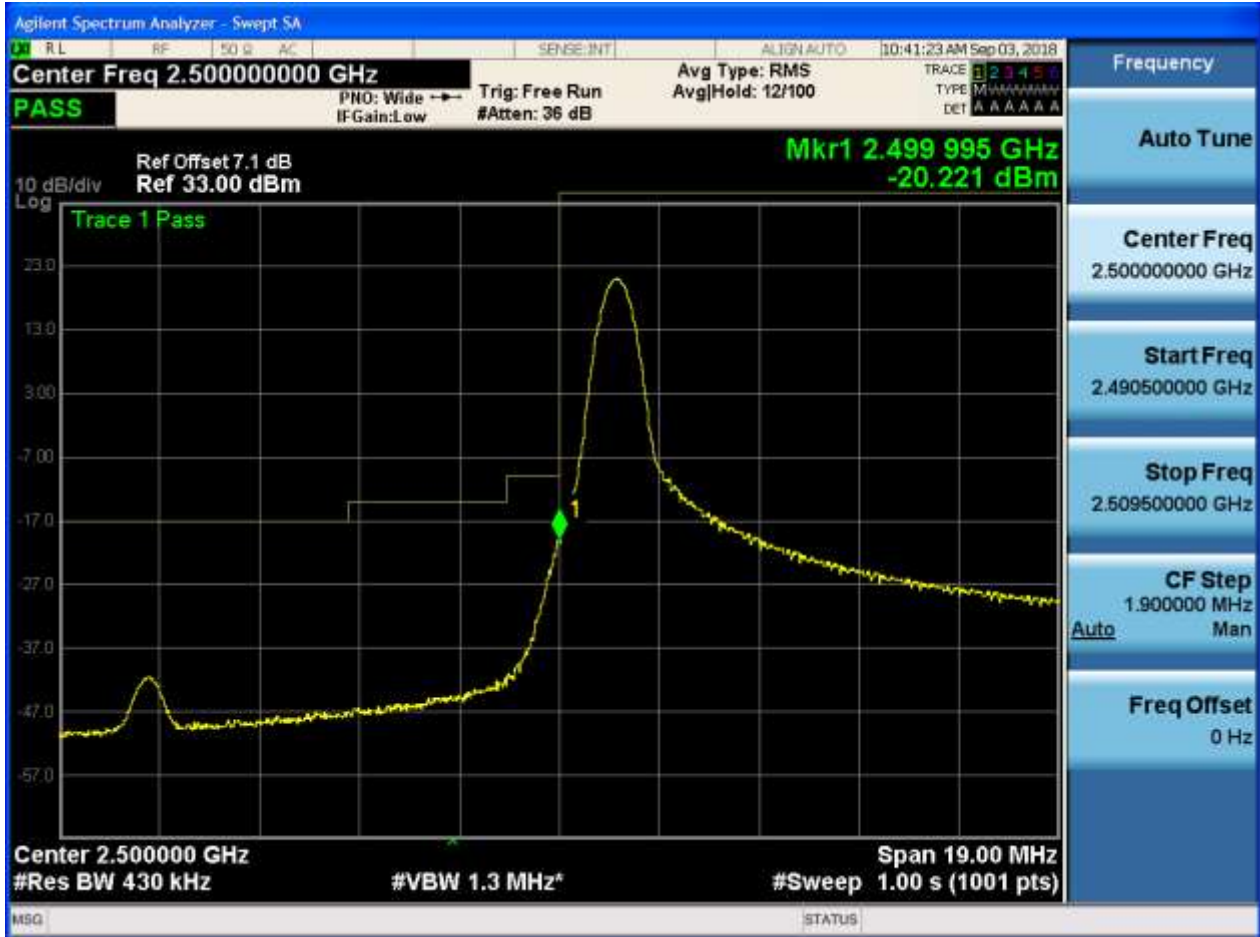
5.1.1.2.3.2.4 Test RB = RB75#0



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





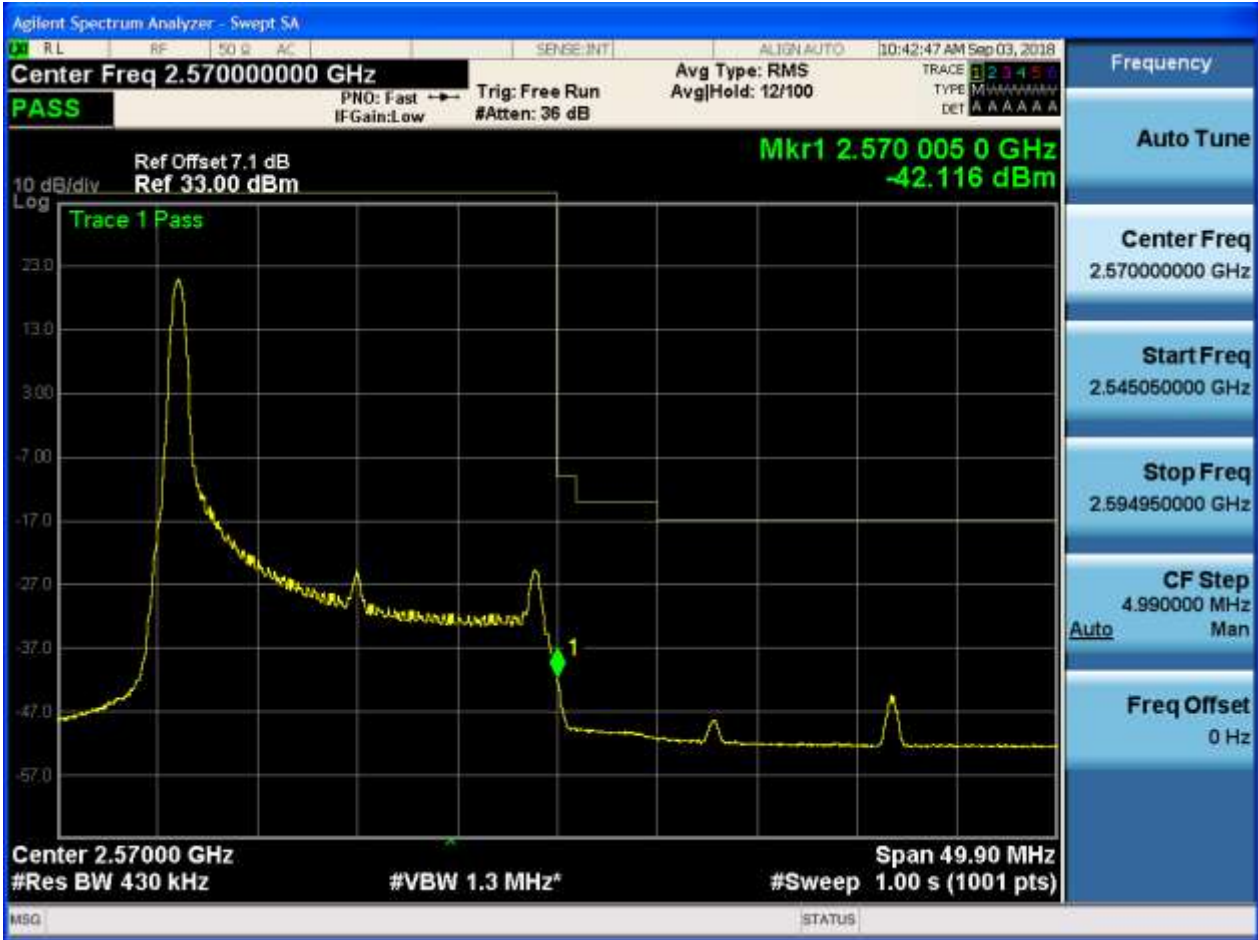
5.1.1.2.4.1.4 Test RB = RB100#0





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 = BAND7

6.1.1.1 Test Mode = LTE/TM1

6.2.1.1.1 Test Bandwidth = 5

6.2.1.1.1.1 Test Channel = LCH

6.2.1.1.1.1.1 Test RB = RB1#0





6.2.1.1.1.2 Test Channel = MCH

6.2.1.1.1.2.1 Test RB = RB1#0





6.2.1.1.1.3 Test Channel = HCH

6.2.1.1.1.3.1 Test RB = RB1#0





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

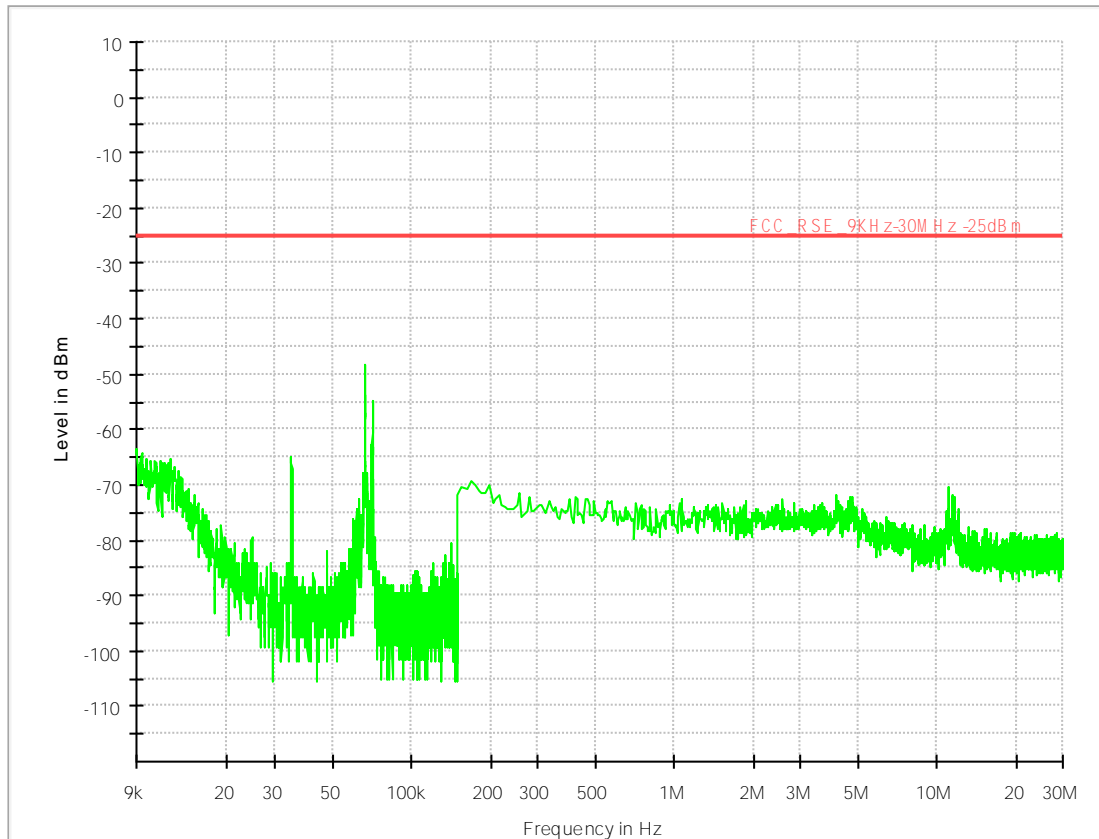
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For LTE

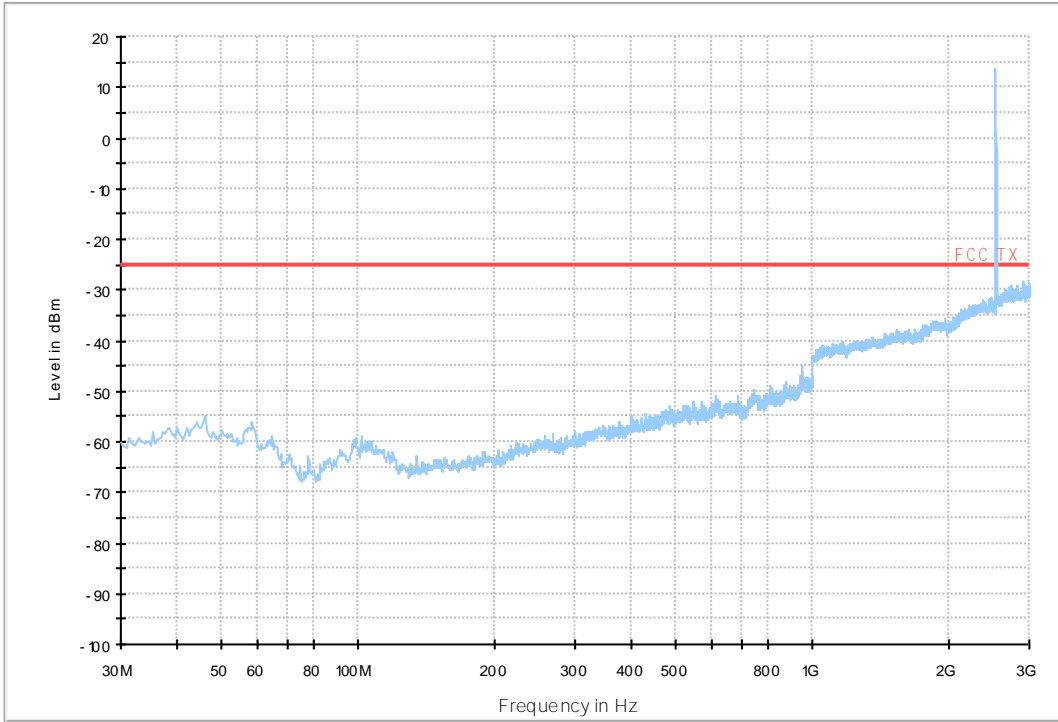
7.1.1 Test Band = BAND7_ANT1

7.1.1.1 Test Bandwidth = 5





LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit

