



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	Limit [dBm]	Verdict
BAND38	LTE/TM1	5	LCH	RB1#0	23.27	25.23	33	PASS
				RB1#13	23.19	25.00	33	PASS
				RB1#24	23.2	25.09	33	PASS
				RB12#0	22.25	24.19	33	PASS
				RB12#6	22.24	24.10	33	PASS
				RB12#13	22.24	24.04	33	PASS
				RB25#0	22.16	23.93	33	PASS
			MCH	RB1#0	23.29	25.23	33	PASS
				RB1#13	23.26	25.03	33	PASS
				RB1#24	23.29	25.26	33	PASS
				RB12#0	22.24	24.24	33	PASS
				RB12#6	22.28	24.28	33	PASS
				RB12#13	22.35	24.26	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB25#0	22.23	24.13	33	PASS
			HCH	RB1#0	23.25	24.96	33	PASS
				RB1#13	23.29	25.01	33	PASS
				RB1#24	23.26	25.06	33	PASS
				RB12#0	22.25	24.02	33	PASS
				RB12#6	22.26	24.11	33	PASS
				RB12#13	22.25	24.15	33	PASS
				RB25#0	22.33	24.29	33	PASS
		10	LCH	RB1#0	23.12	24.97	33	PASS
				RB1#25	22.49	24.49	33	PASS
				RB1#49	23.19	24.93	33	PASS
				RB25#0	22.27	24.21	33	PASS
				RB25#13	22.21	24.08	33	PASS
				RB25#25	22.23	23.97	33	PASS
				RB50#0	22.24	24.14	33	PASS
			MCH	RB1#0	23.29	25.18	33	PASS
				RB1#25	23.39	25.31	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB1#49	23.33	25.25	33	PASS
				RB25#0	22.2	23.93	33	PASS
				RB25#13	22.29	24.26	33	PASS
				RB25#25	22.34	24.07	33	PASS
				RB50#0	22.33	24.29	33	PASS
			HCH	RB1#0	23.35	25.33	33	PASS
				RB1#25	23	24.89	33	PASS
				RB1#49	23.38	25.16	33	PASS
				RB25#0	22.33	24.23	33	PASS
				RB25#13	22.14	23.98	33	PASS
				RB25#25	22.34	24.33	33	PASS
				RB50#0	22.31	24.31	33	PASS
		15	LCH	RB1#0	23.16	25.17	33	PASS
				RB1#38	23.19	25.02	33	PASS
				RB1#74	23.15	25.14	33	PASS
				RB38#0	22.26	24.08	33	PASS
				RB38#19	22.26	24.07	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB38#39	22.29	24.19	33	PASS
				RB75#0	22.26	24.04	33	PASS
			MCH	RB1#0	23.24	25.16	33	PASS
				RB1#38	23.29	25.02	33	PASS
				RB1#74	23.26	25.02	33	PASS
				RB38#0	22.25	24.09	33	PASS
				RB38#19	22.23	24.08	33	PASS
				RB38#39	22.38	24.23	33	PASS
				RB75#0	22.26	24.23	33	PASS
			HCH	RB1#0	23.25	25.25	33	PASS
				RB1#38	23.36	25.23	33	PASS
				RB1#74	23.29	25.26	33	PASS
				RB38#0	22.37	24.28	33	PASS
				RB38#19	22.32	24.17	33	PASS
				RB38#39	22.3	24.26	33	PASS
				RB75#0	22.29	24.22	33	PASS
		20	LCH	RB1#0	23.52	25.49	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB1#50	22.72	24.44	33	PASS
				RB1#99	23.52	25.32	33	PASS
				RB50#0	22.26	24.12	33	PASS
				RB50#25	22.3	24.21	33	PASS
				RB50#50	22.28	24.23	33	PASS
				RB100#0	22.22	23.95	33	PASS
			MCH	RB1#0	23.44	25.24	33	PASS
				RB1#50	23.05	24.85	33	PASS
				RB1#99	23.51	25.42	33	PASS
				RB50#0	22.33	24.21	33	PASS
				RB50#25	22.23	24.21	33	PASS
				RB50#50	22.31	24.24	33	PASS
				RB100#0	22.31	24.31	33	PASS
			HCH	RB1#0	23.31	25.19	33	PASS
				RB1#50	22.79	24.73	33	PASS
				RB1#99	23.34	25.27	33	PASS
				RB50#0	22.35	24.34	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB50#25	22.23	24.24	33	PASS
				RB50#50	22.37	24.18	33	PASS
				RB100#0	22.27	24.27	33	PASS
	LTE/TM2	5	LCH	RB1#0	22.28	24.24	33	PASS
				RB1#13	22.29	24.07	33	PASS
				RB1#24	22.31	24.22	33	PASS
				RB12#0	21.17	23.00	33	PASS
				RB12#6	21.2	23.14	33	PASS
				RB12#13	21.23	22.99	33	PASS
				RB25#0	21.16	23.17	33	PASS
			MCH	RB1#0	22.36	24.31	33	PASS
				RB1#13	22.37	24.08	33	PASS
				RB1#24	22.39	24.16	33	PASS
				RB12#0	21.28	23.03	33	PASS
				RB12#6	21.25	23.20	33	PASS
				RB12#13	21.27	23.02	33	PASS
				RB25#0	21.1	23.03	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
			HCH	RB1#0	22.55	24.40	33	PASS
				RB1#13	22.62	24.38	33	PASS
				RB1#24	22.56	24.45	33	PASS
				RB12#0	21.29	23.01	33	PASS
				RB12#6	21.1	22.99	33	PASS
				RB12#13	21.33	23.17	33	PASS
				RB25#0	21.2	22.95	33	PASS
		10	LCH	RB1#0	22.32	24.25	33	PASS
				RB1#25	22.06	23.91	33	PASS
				RB1#49	22.42	24.41	33	PASS
				RB25#0	21.17	23.18	33	PASS
				RB25#13	21.18	23.05	33	PASS
				RB25#25	21.15	22.88	33	PASS
				RB50#0	21.21	23.12	33	PASS
			MCH	RB1#0	22.51	24.51	33	PASS
				RB1#25	22.12	24.01	33	PASS
				RB1#49	22.59	24.42	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB25#0	21.2	23.16	33	PASS
				RB25#13	21.1	23.00	33	PASS
				RB25#25	21.22	23.04	33	PASS
				RB50#0	21.14	22.85	33	PASS
			HCH	RB1#0	22.63	24.58	33	PASS
				RB1#25	21.66	23.54	33	PASS
				RB1#49	22.58	24.46	33	PASS
				RB25#0	21.15	23.05	33	PASS
				RB25#13	21.04	22.86	33	PASS
				RB25#25	21.15	22.93	33	PASS
				RB50#0	21.19	23.19	33	PASS
		15	LCH	RB1#0	22.22	24.18	33	PASS
				RB1#38	22.26	24.07	33	PASS
				RB1#74	22.27	24.12	33	PASS
				RB38#0	21.16	23.13	33	PASS
				RB38#19	21.15	22.97	33	PASS
				RB38#39	21.2	23.11	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB75#0	21.04	22.83	33	PASS
			MCH	RB1#0	22.15	24.00	33	PASS
				RB1#38	22.34	24.31	33	PASS
				RB1#74	22.26	24.02	33	PASS
				RB38#0	21.22	22.96	33	PASS
				RB38#19	21.25	23.17	33	PASS
				RB38#39	21.26	23.21	33	PASS
				RB75#0	21.19	22.96	33	PASS
			HCH	RB1#0	22.75	24.75	33	PASS
				RB1#38	22.85	24.59	33	PASS
				RB1#74	22.71	24.49	33	PASS
				RB38#0	21.26	23.17	33	PASS
				RB38#19	21.14	23.13	33	PASS
				RB38#39	21.18	22.94	33	PASS
				RB75#0	21.19	23.12	33	PASS
		20	LCH	RB1#0	22.95	24.69	33	PASS
				RB1#50	22.68	24.47	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB1#99	23.07	25.07	33	PASS
				RB50#0	21.29	23.29	33	PASS
				RB50#25	21.26	23.12	33	PASS
				RB50#50	21.32	23.18	33	PASS
				RB100#0	21.15	23.13	33	PASS
			MCH	RB1#0	22.36	24.31	33	PASS
				RB1#50	22.6	24.39	33	PASS
				RB1#99	22.42	24.14	33	PASS
				RB50#0	21.27	23.18	33	PASS
				RB50#25	21.19	23.03	33	PASS
				RB50#50	21.27	23.16	33	PASS
				RB100#0	21.26	23.15	33	PASS
			HCH	RB1#0	22.72	24.55	33	PASS
				RB1#50	23.12	25.08	33	PASS
				RB1#99	22.67	24.60	33	PASS
				RB50#0	21.2	23.01	33	PASS
				RB50#25	21.21	22.94	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP	Limit [dBm]	Verdict
				RB50#50	21.26	23.18	33	PASS
				RB100#0	21.24	23.02	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:

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

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

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

$$\text{SET Sweep time} = \text{auto} - \text{couple.}$$

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
BAND38	LTE/TM1	5	LCH	RB1#0	4.59	13	PASS
				RB1#13	4.6	13	PASS
				RB1#24	4.63	13	PASS
				RB12#0	5.86	13	PASS
				RB12#6	5.86	13	PASS
				RB12#13	5.91	13	PASS
				RB25#0	5.91	13	PASS
			MCH	RB1#0	4.78	13	PASS
				RB1#13	4.75	13	PASS
				RB1#24	4.75	13	PASS
				RB12#0	5.77	13	PASS
				RB12#6	5.81	13	PASS
				RB12#13	5.77	13	PASS
				RB25#0	6.19	13	PASS
			HCH	RB1#0	4.55	13	PASS
				RB1#13	4.5	13	PASS
				RB1#24	4.56	13	PASS
				RB12#0	6.14	13	PASS
				RB12#6	6.03	13	PASS
				RB12#13	6.07	13	PASS
				RB25#0	5.99	13	PASS
		10	LCH	RB1#0	4.15	13	PASS
				RB1#25	4.24	13	PASS
				RB1#49	4.23	13	PASS
				RB25#0	5.61	13	PASS
				RB25#13	5.64	13	PASS
				RB25#25	5.68	13	PASS
				RB50#0	6.04	13	PASS
			MCH	RB1#0	4.9	13	PASS
				RB1#25	5.03	13	PASS
				RB1#49	5.01	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.31	13	PASS
				RB25#13	6.06	13	PASS
				RB25#25	6.22	13	PASS
				RB50#0	6.25	13	PASS
			HCH	RB1#0	4.7	13	PASS
				RB1#25	4.54	13	PASS
				RB1#49	4.74	13	PASS
				RB25#0	5.9	13	PASS
				RB25#13	5.92	13	PASS
				RB25#25	5.76	13	PASS
				RB50#0	6.41	13	PASS
		15	LCH	RB1#0	4.7	13	PASS
				RB1#38	4.8	13	PASS
				RB1#74	4.9	13	PASS
				RB38#0	6.04	13	PASS
				RB38#19	5.94	13	PASS
				RB38#39	6.1	13	PASS
				RB75#0	6.15	13	PASS
			MCH	RB1#0	5.01	13	PASS
				RB1#38	5.03	13	PASS
				RB1#74	5.02	13	PASS
				RB38#0	5.93	13	PASS
				RB38#19	5.86	13	PASS
				RB38#39	5.96	13	PASS
				RB75#0	6.42	13	PASS
			HCH	RB1#0	4.33	13	PASS
				RB1#38	4.27	13	PASS
				RB1#74	4.23	13	PASS
				RB38#0	6.21	13	PASS
				RB38#19	6.15	13	PASS
				RB38#39	6.16	13	PASS
				RB75#0	6.25	13	PASS
		20	LCH	RB1#0	4.6	13	PASS
				RB1#50	4.7	13	PASS
				RB1#99	4.9	13	PASS
				RB50#0	5.9	13	PASS
				RB50#25	5.92	13	PASS
				RB50#50	6.07	13	PASS
				RB100#0	6.26	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.61	13	PASS
				RB1#50	4.62	13	PASS
				RB1#99	4.57	13	PASS
				RB50#0	5.97	13	PASS
				RB50#25	6.03	13	PASS
				RB50#50	6.12	13	PASS
				RB100#0	6.36	13	PASS
			HCH	RB1#0	4.88	13	PASS
				RB1#50	5.03	13	PASS
				RB1#99	4.76	13	PASS
				RB50#0	6.38	13	PASS
				RB50#25	6.33	13	PASS
				RB50#50	6.13	13	PASS
				RB100#0	6.18	13	PASS
	LTE/TM2	5	LCH	RB1#0	5.28	13	PASS
				RB1#13	5.26	13	PASS
				RB1#24	5.43	13	PASS
				RB12#0	6.49	13	PASS
				RB12#6	6.5	13	PASS
				RB12#13	6.62	13	PASS
				RB25#0	6.53	13	PASS
			MCH	RB1#0	5.52	13	PASS
				RB1#13	5.51	13	PASS
				RB1#24	5.65	13	PASS
				RB12#0	6.2	13	PASS
				RB12#6	6.27	13	PASS
				RB12#13	6.25	13	PASS
				RB25#0	7.4	13	PASS
		10	HCH	RB1#0	5.56	13	PASS
				RB1#13	5.42	13	PASS
				RB1#24	5.44	13	PASS
				RB12#0	6.38	13	PASS
				RB12#6	6.45	13	PASS
				RB12#13	6.33	13	PASS
				RB25#0	6.83	13	PASS
			LCH	RB1#0	5.54	13	PASS
				RB1#25	5.98	13	PASS
				RB1#49	5.8	13	PASS
				RB25#0	6.64	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	6.6	13	PASS
				RB25#25	6.71	13	PASS
				RB50#0	6.84	13	PASS
			MCH	RB1#0	5.21	13	PASS
				RB1#25	5.59	13	PASS
				RB1#49	5.28	13	PASS
				RB25#0	6.69	13	PASS
				RB25#13	6.76	13	PASS
				RB25#25	7.05	13	PASS
				RB50#0	7.05	13	PASS
			HCH	RB1#0	5.35	13	PASS
				RB1#25	5.24	13	PASS
				RB1#49	5.24	13	PASS
				RB25#0	6.94	13	PASS
				RB25#13	6.81	13	PASS
				RB25#25	6.78	13	PASS
				RB50#0	6.9	13	PASS
		15	LCH	RB1#0	5.23	13	PASS
				RB1#38	5.28	13	PASS
				RB1#74	5.38	13	PASS
				RB38#0	6.65	13	PASS
				RB38#19	6.64	13	PASS
				RB38#39	6.72	13	PASS
				RB75#0	7.19	13	PASS
			MCH	RB1#0	5.35	13	PASS
				RB1#38	5.36	13	PASS
				RB1#74	5.44	13	PASS
				RB38#0	6.91	13	PASS
				RB38#19	6.82	13	PASS
				RB38#39	6.87	13	PASS
				RB75#0	7.28	13	PASS
			HCH	RB1#0	5.7	13	PASS
				RB1#38	5.65	13	PASS
				RB1#74	5.53	13	PASS
				RB38#0	6.85	13	PASS
				RB38#19	7	13	PASS
				RB38#39	7.03	13	PASS
				RB75#0	7.11	13	PASS
		20	LCH	RB1#0	4.83	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	4.98	13	PASS
				RB1#99	5.02	13	PASS
				RB50#0	6.65	13	PASS
				RB50#25	6.75	13	PASS
				RB50#50	6.95	13	PASS
				RB100#0	7.34	13	PASS
			MCH	RB1#0	5.52	13	PASS
				RB1#50	5.81	13	PASS
				RB1#99	5.58	13	PASS
				RB50#0	6.91	13	PASS
				RB50#25	6.93	13	PASS
				RB50#50	6.96	13	PASS
				RB100#0	7.56	13	PASS
			HCH	RB1#0	5.29	13	PASS
				RB1#50	5.59	13	PASS
				RB1#99	5.36	13	PASS
				RB50#0	6.92	13	PASS
				RB50#25	6.79	13	PASS
				RB50#50	6.89	13	PASS
				RB100#0	7.11	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

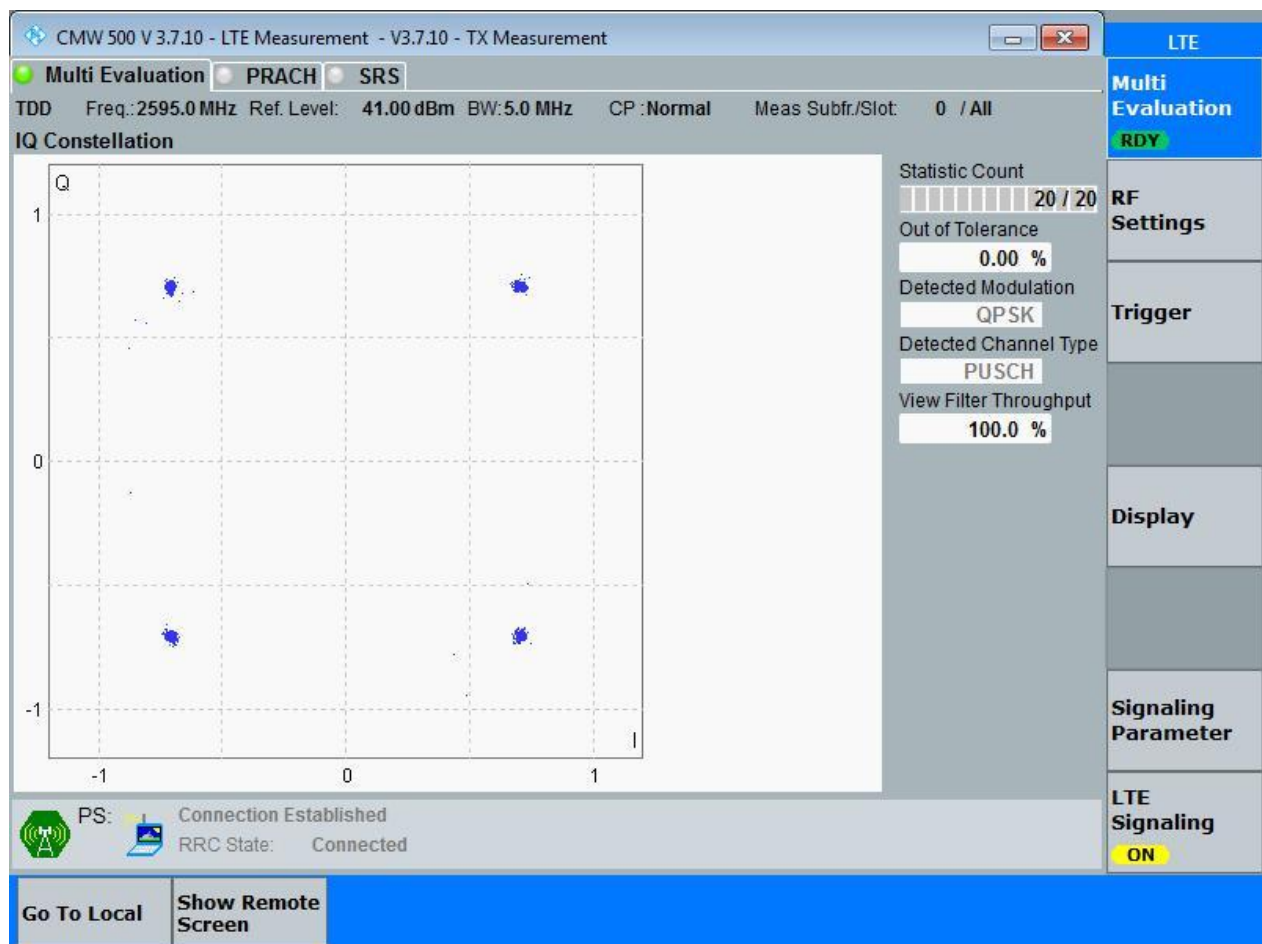
3.1.1 Test Band = BAND38

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

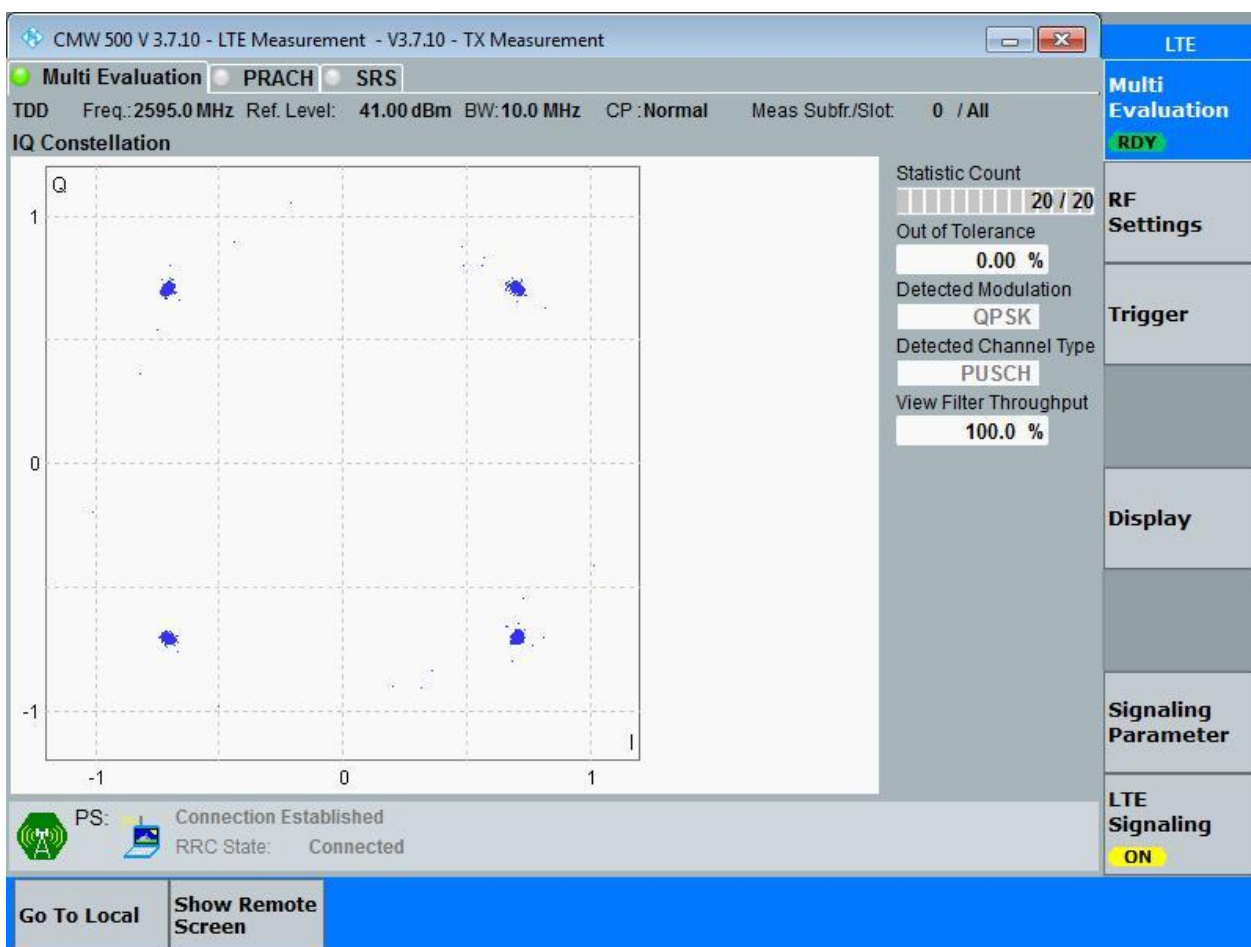
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

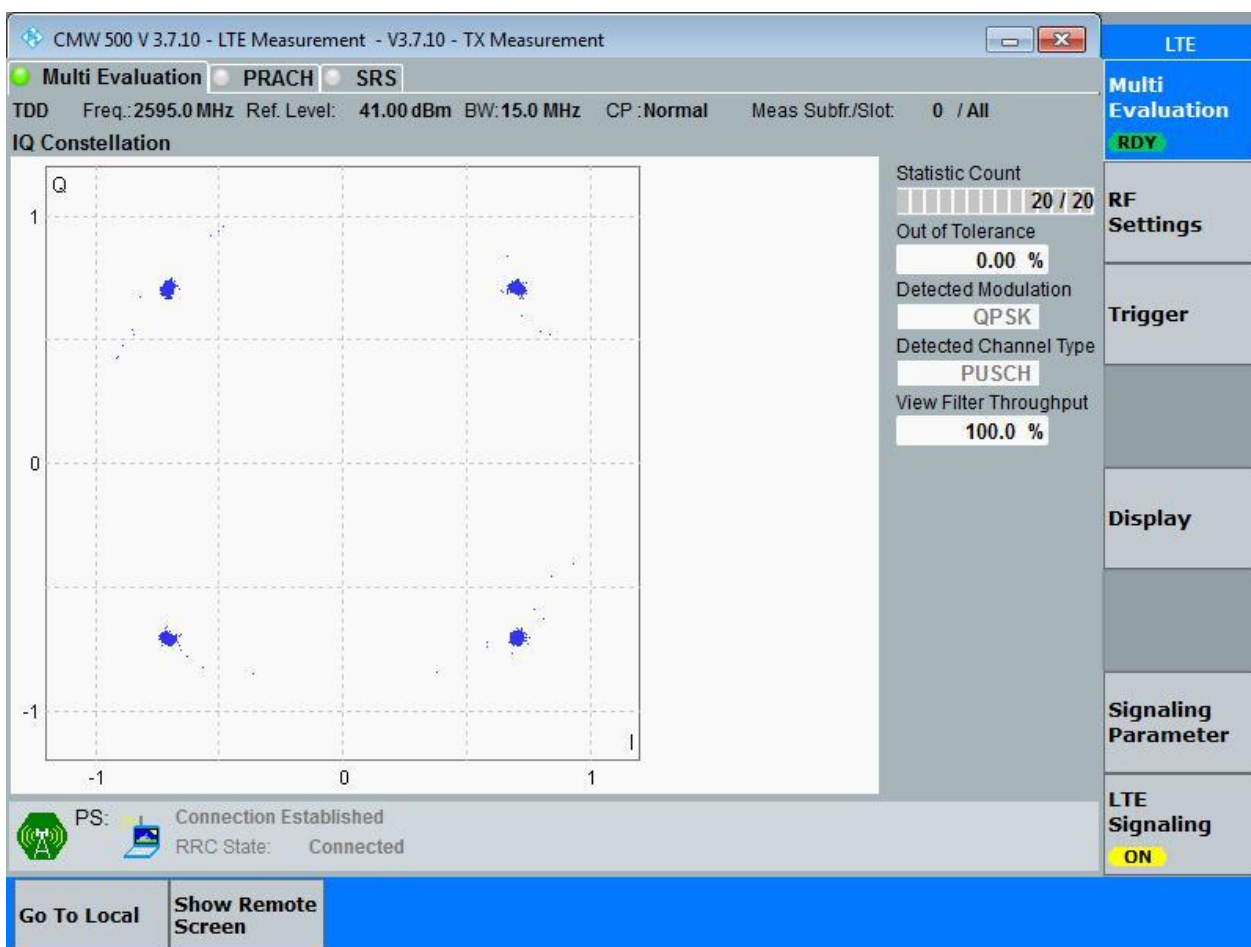
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

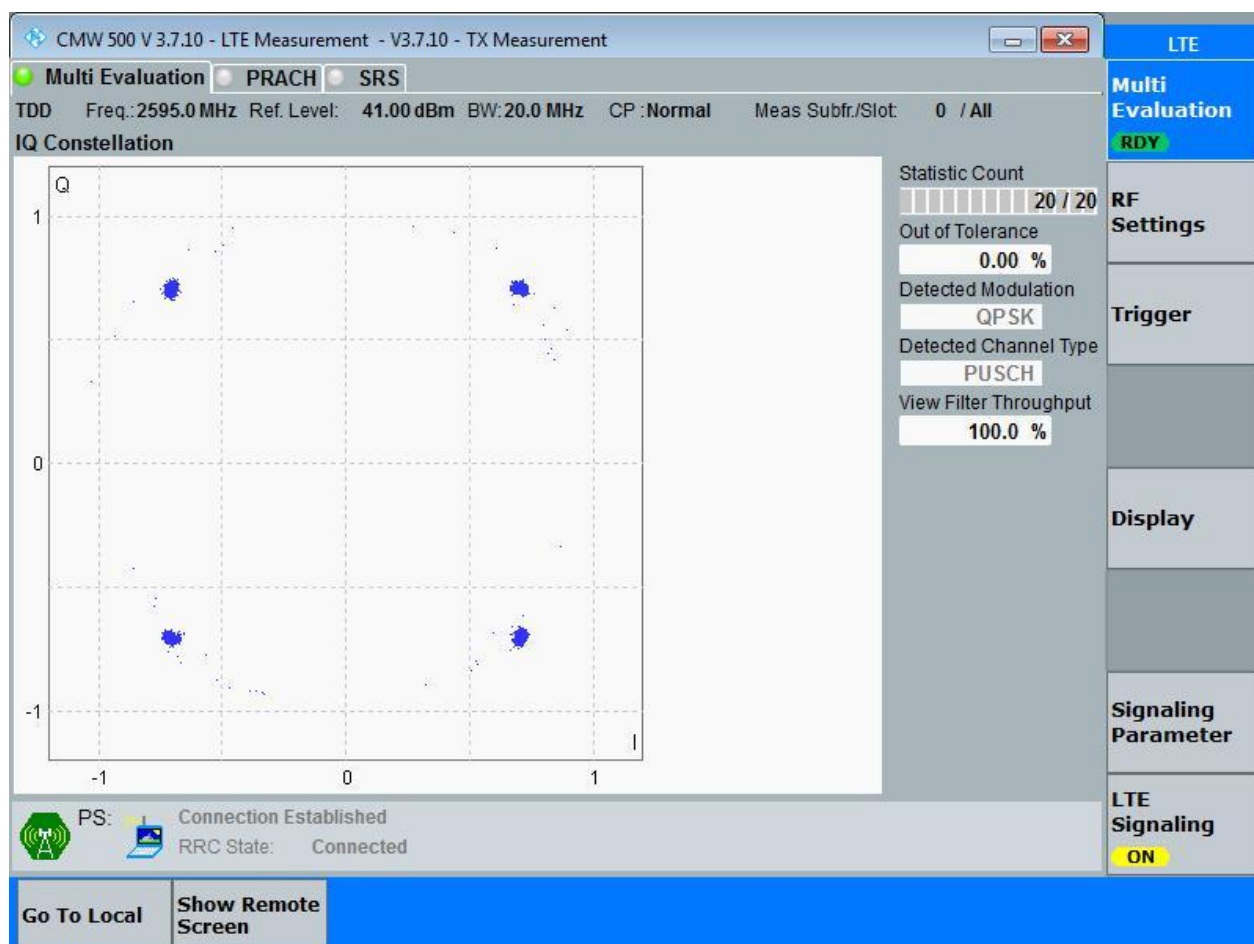
3.1.1.1.3.1.1 Test RB = RB75#0



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

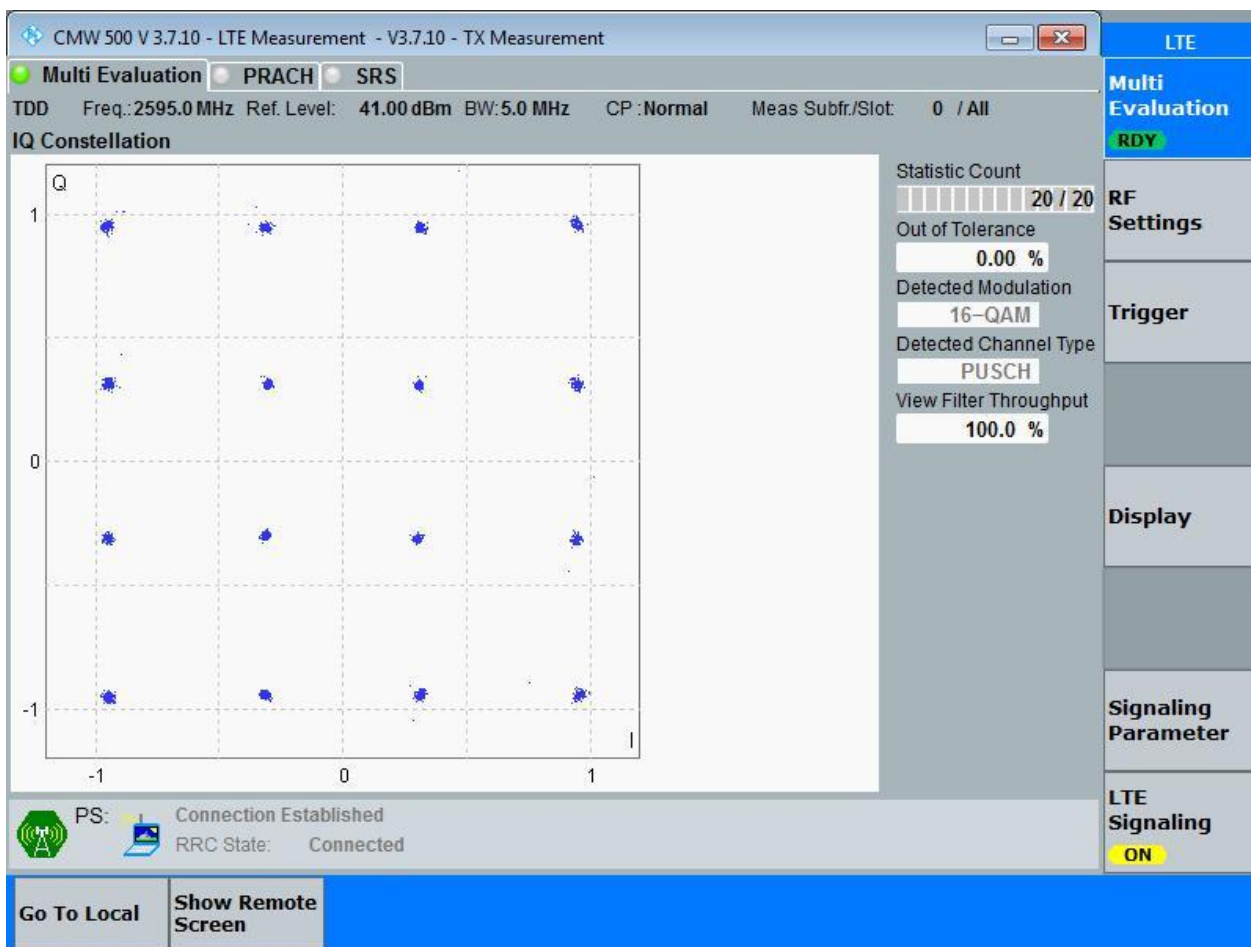


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

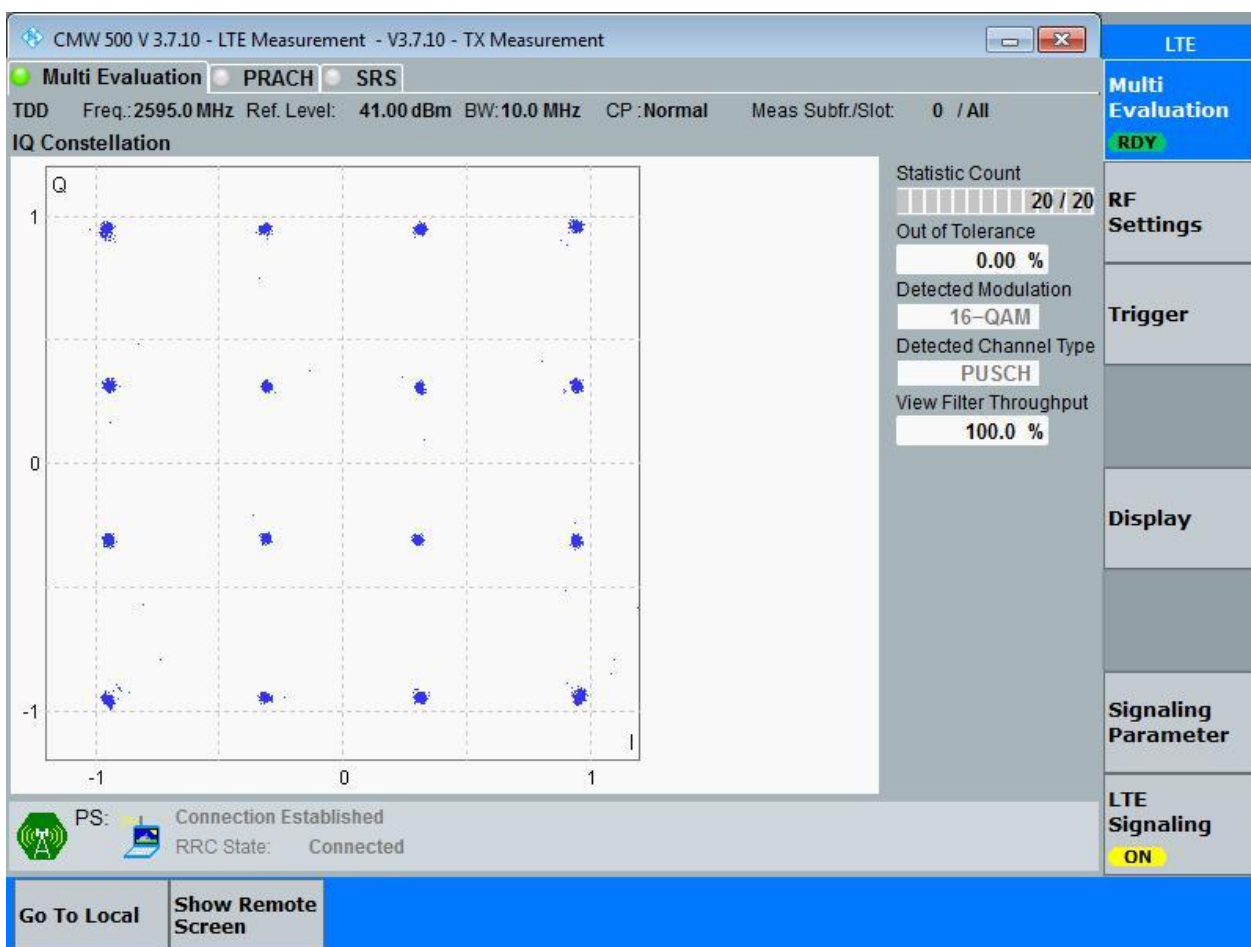
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

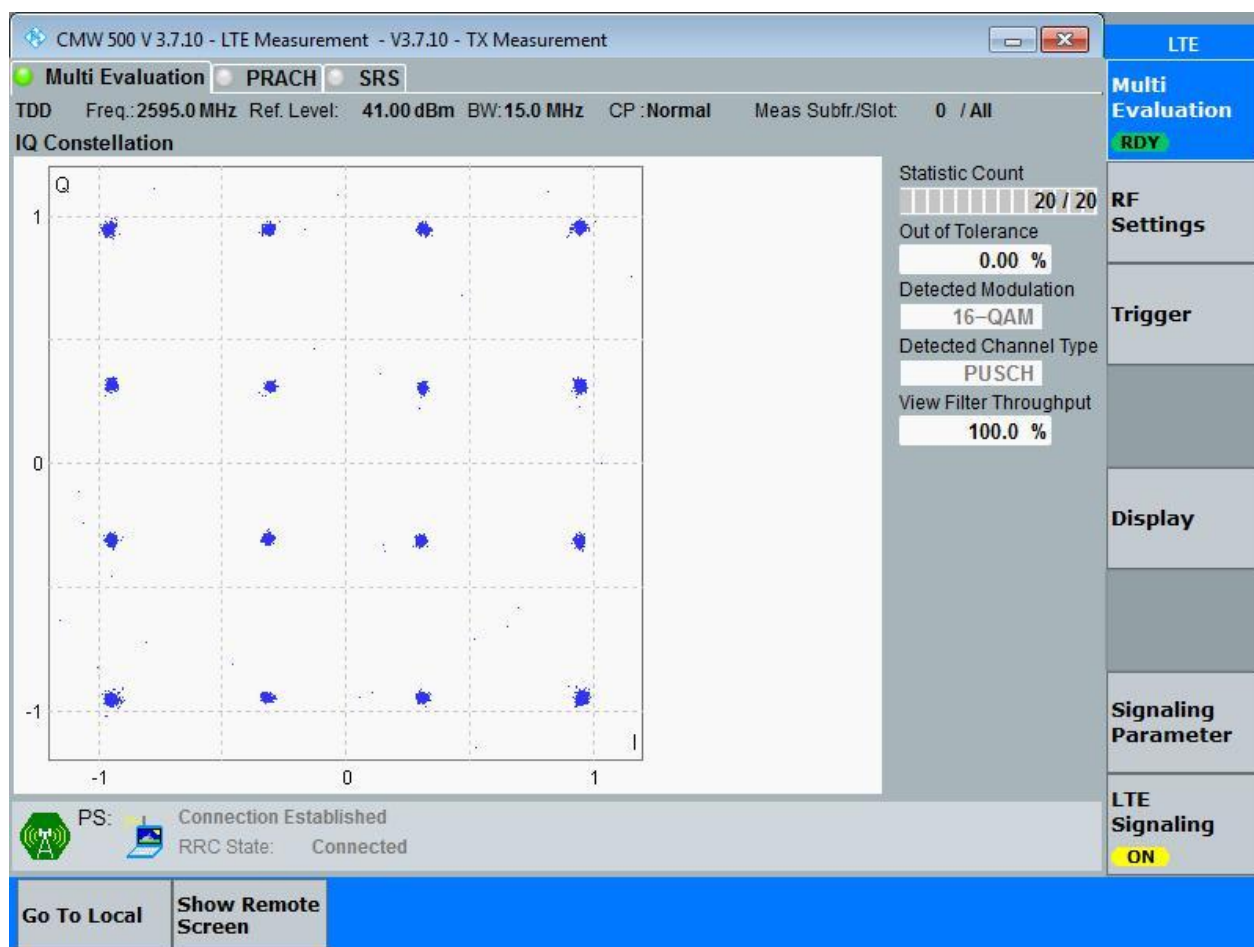
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

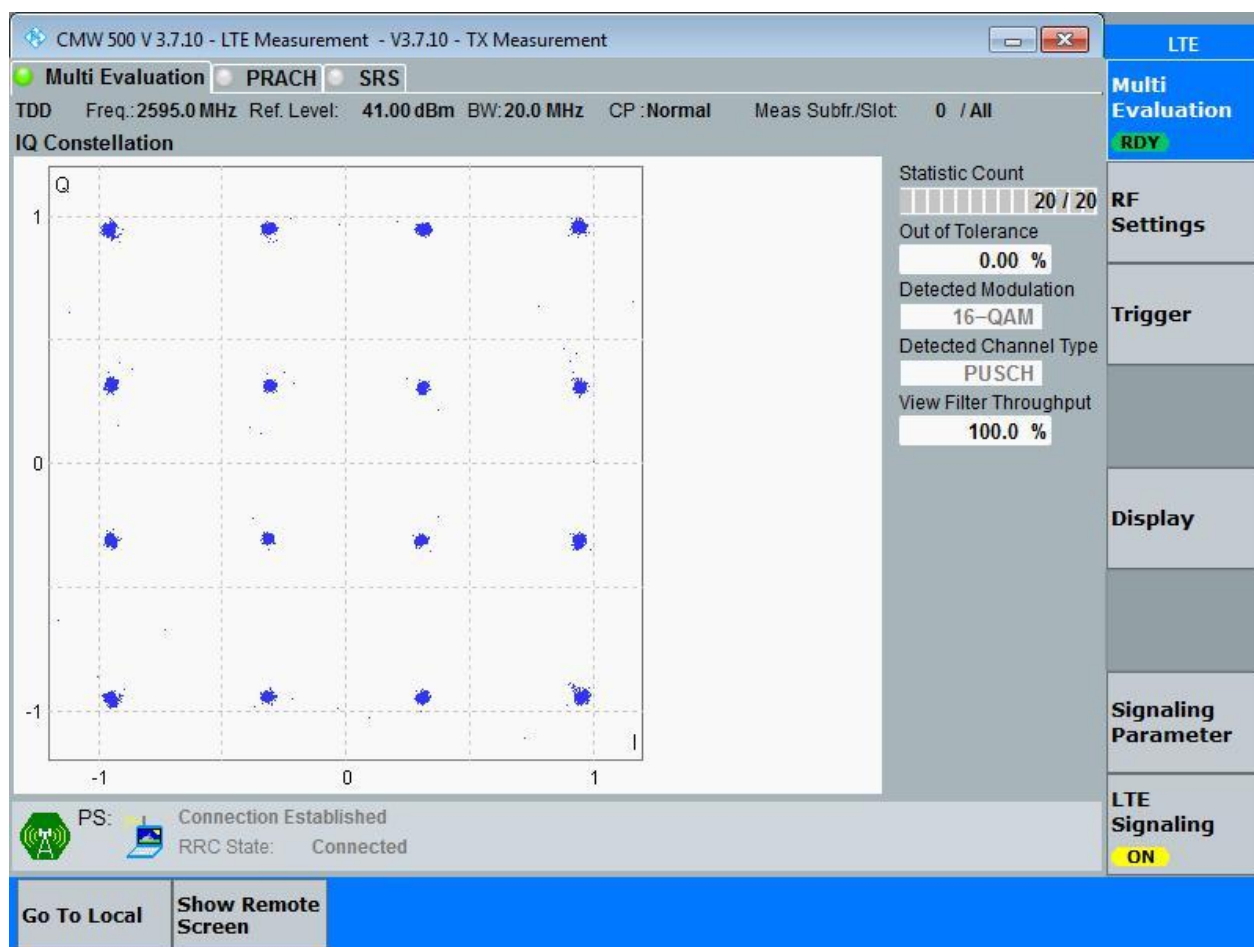
3.1.1.2.3.1.1 Test RB = RB75#0



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
BAND38	LTE/TM1	5	LCH	RB25#0	4.55	5.81	Pass
			MCH	RB25#0	4.52	5.66	Pass
			HCH	RB25#0	4.54	5.84	Pass
		10	LCH	RB50#0	8.99	10.52	Pass
			MCH	RB50#0	9.00	10.43	Pass
			HCH	RB50#0	9.02	10.37	Pass
		15	LCH	RB75#0	13.52	15.19	Pass
			MCH	RB75#0	13.53	15.32	Pass
			HCH	RB75#0	13.49	15.44	Pass
		20	LCH	RB100#0	18.04	19.77	Pass
			MCH	RB100#0	18.02	19.96	Pass
			HCH	RB100#0	18.02	19.83	Pass
	LTE/TM2	5	LCH	RB25#0	4.53	5.63	Pass
			MCH	RB25#0	4.52	5.54	Pass
			HCH	RB25#0	4.54	5.65	Pass
		10	LCH	RB50#0	9.01	10.37	Pass
			MCH	RB50#0	9.00	10.24	Pass
			HCH	RB50#0	9.02	10.65	Pass
		15	LCH	RB75#0	13.58	15.50	Pass
			MCH	RB75#0	13.50	15.34	Pass
			HCH	RB75#0	13.46	15.04	Pass
		20	LCH	RB100#0	18.00	19.85	Pass
			MCH	RB100#0	18.05	20.10	Pass
			HCH	RB100#0	18.06	19.98	Pass



Part II - Test Plots

4.1 For LTE

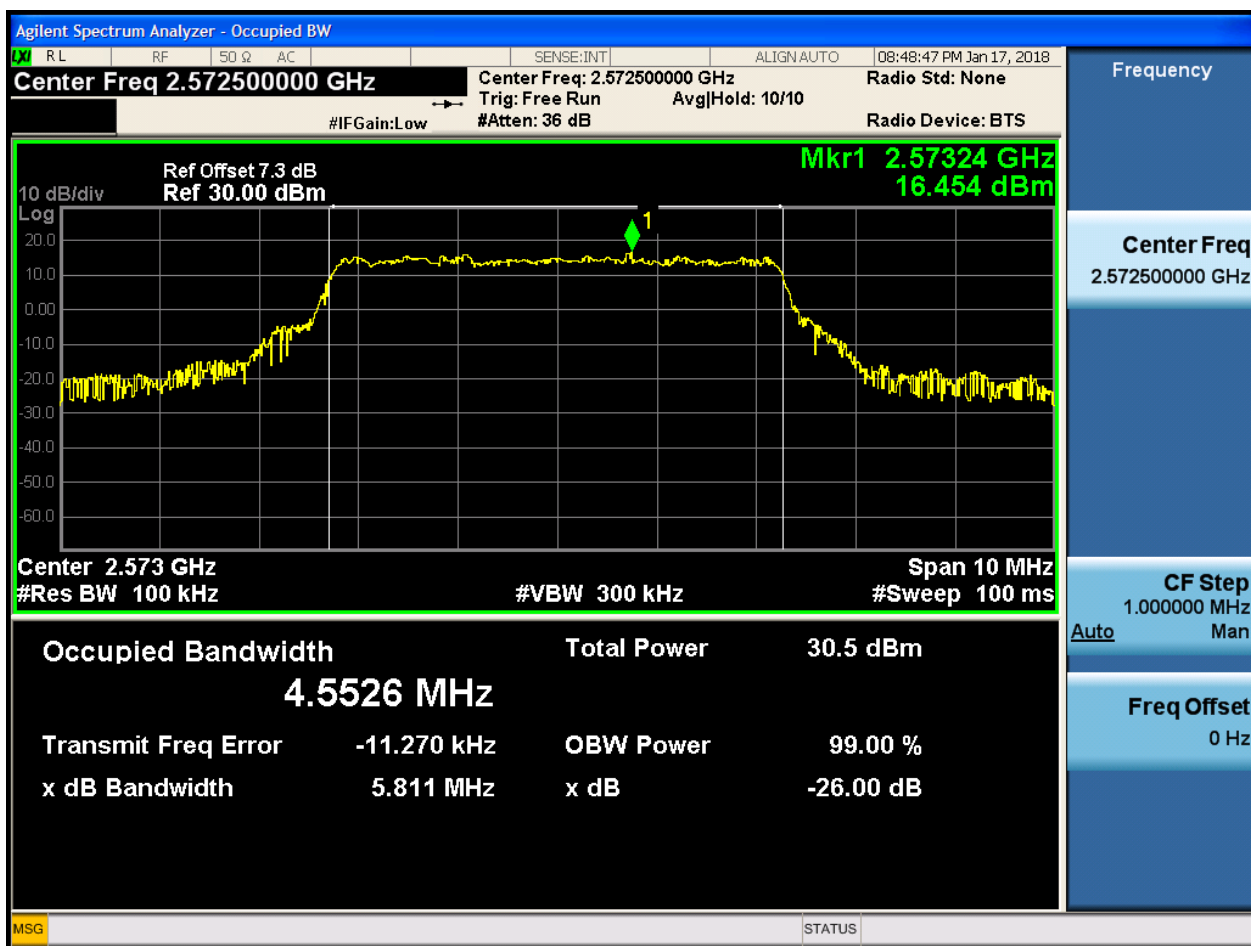
4.1.1 Test Band = BAND38

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

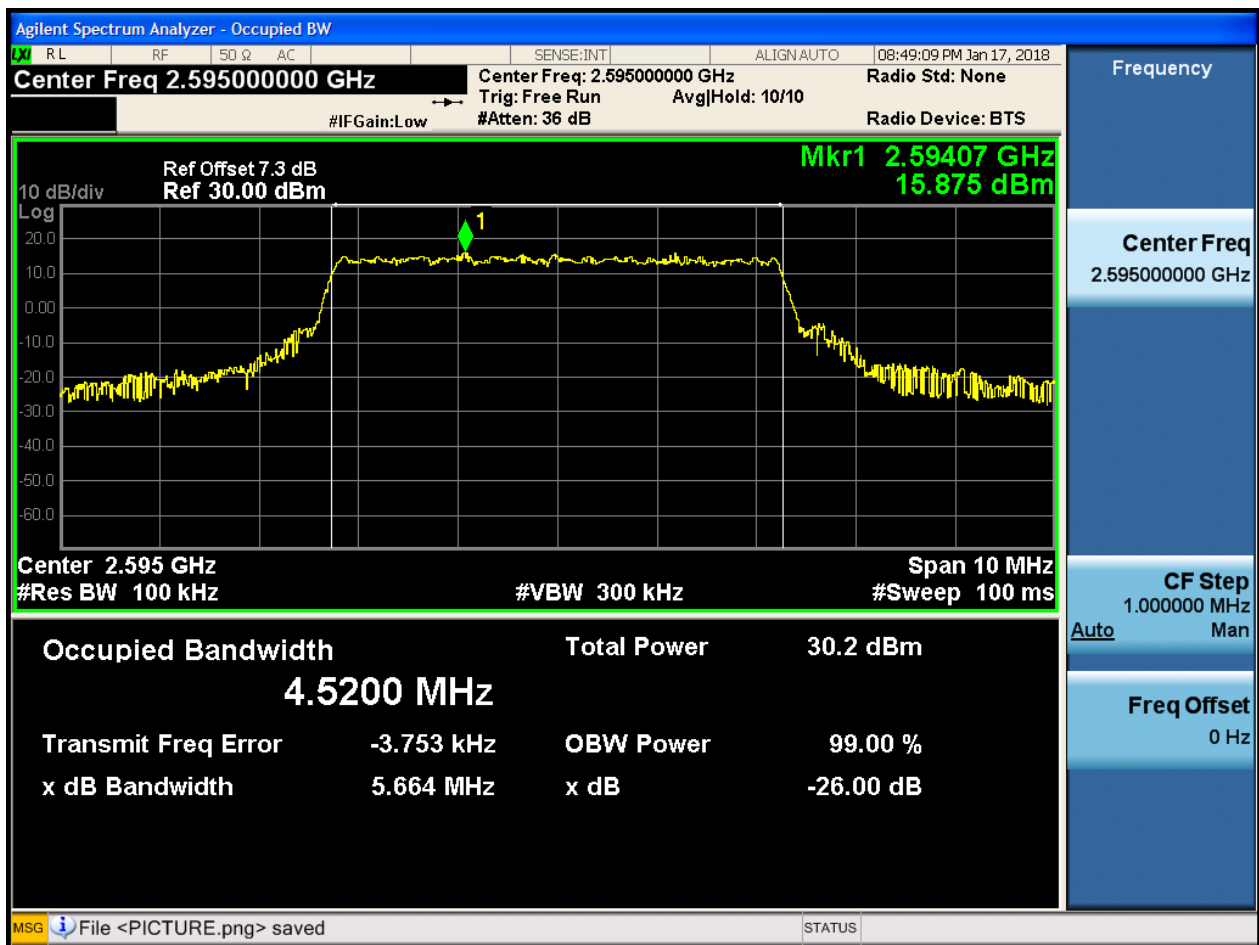
4.1.1.1.1.1.1 Test RB = RB25#0





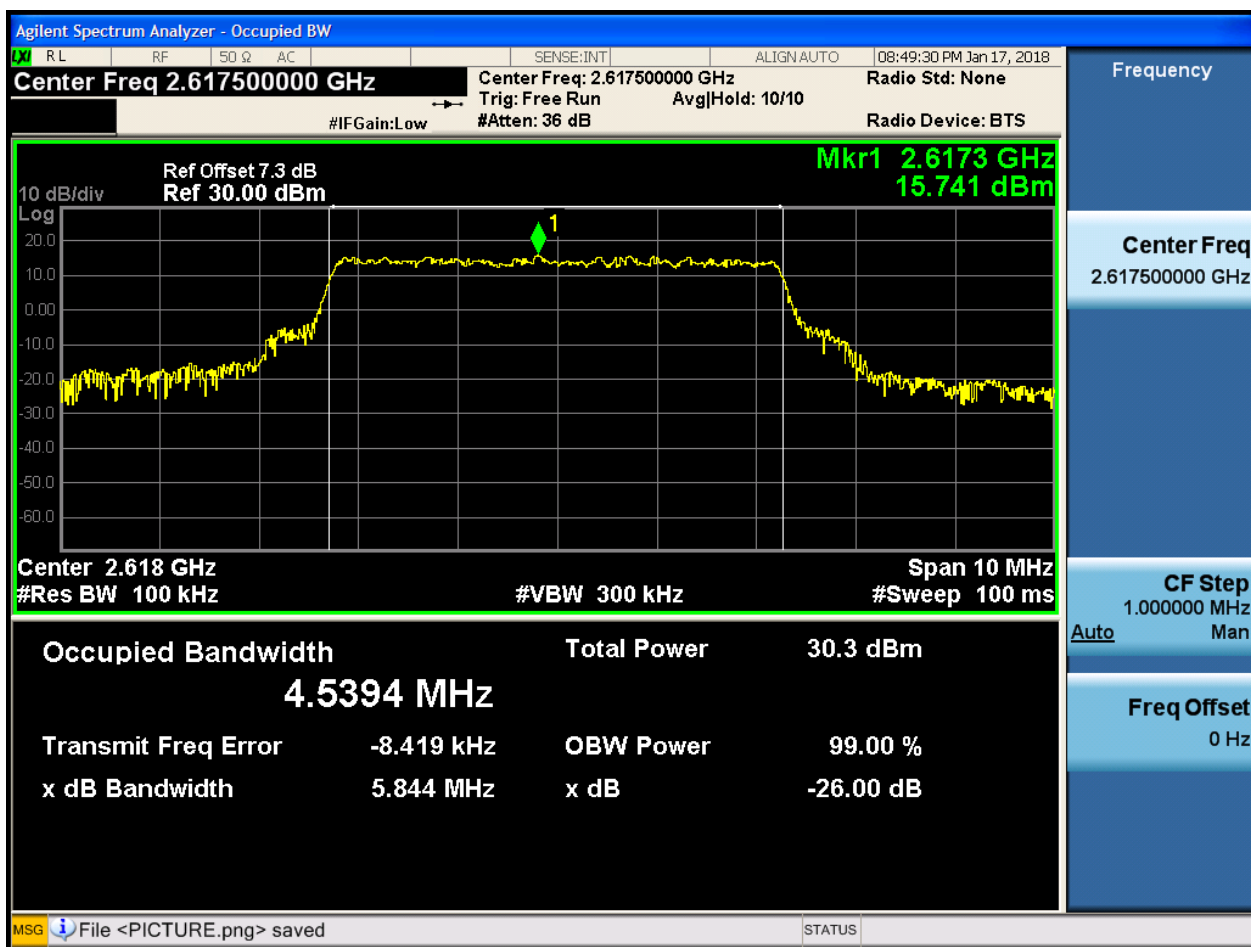
4.1.1.1.1.2 Test Channel = MCH

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

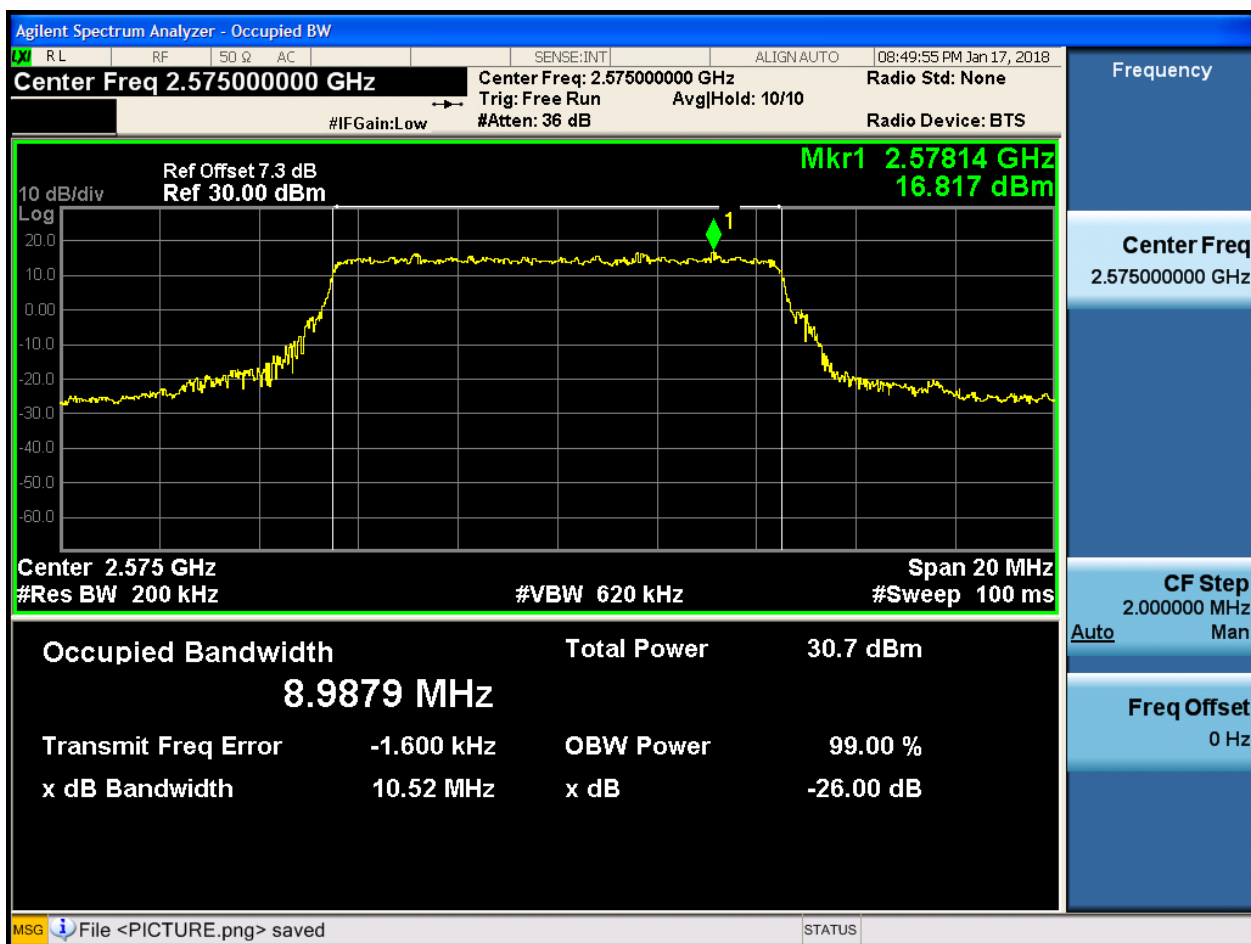




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

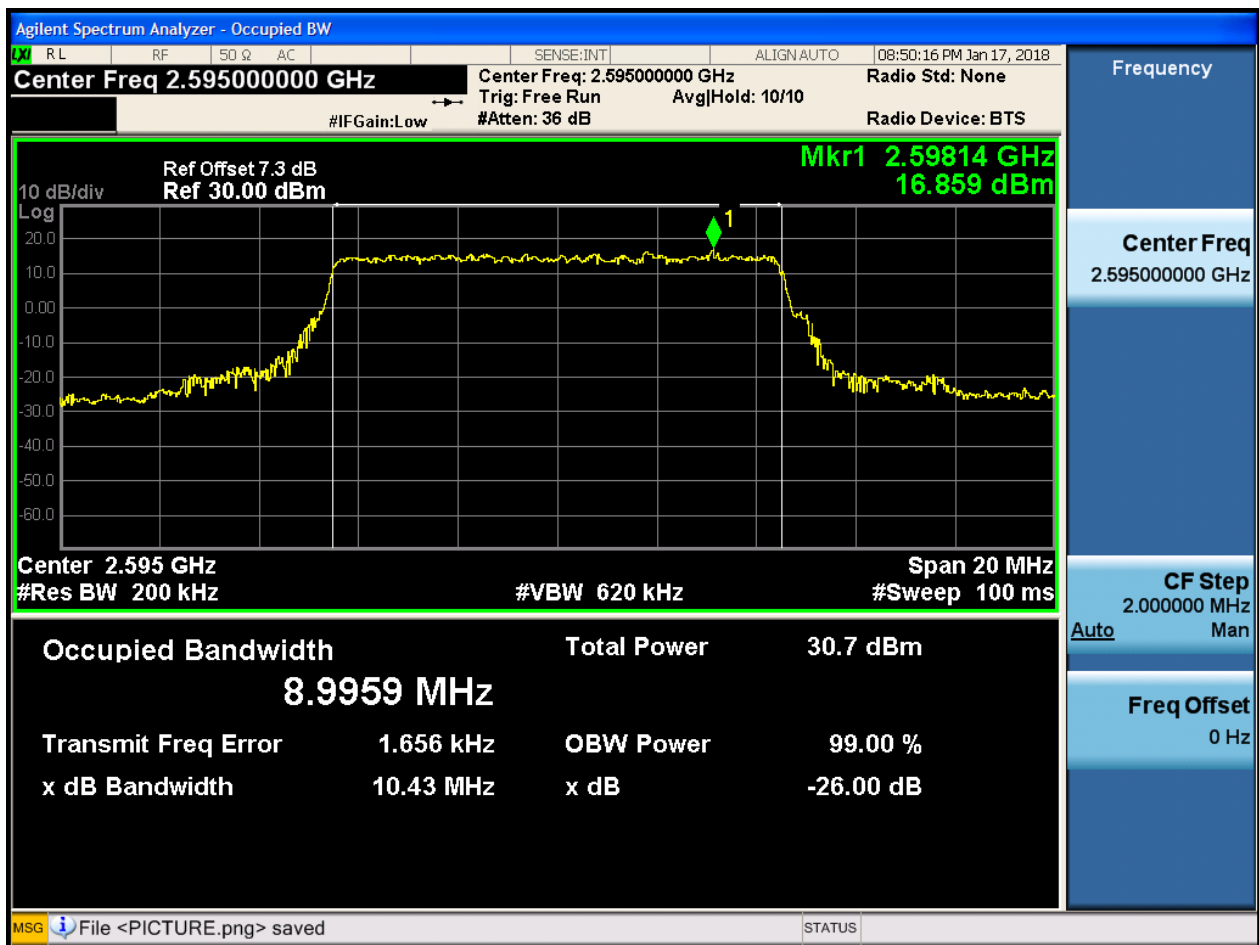
4.1.1.1.2.1.1 Test RB = RB50#0





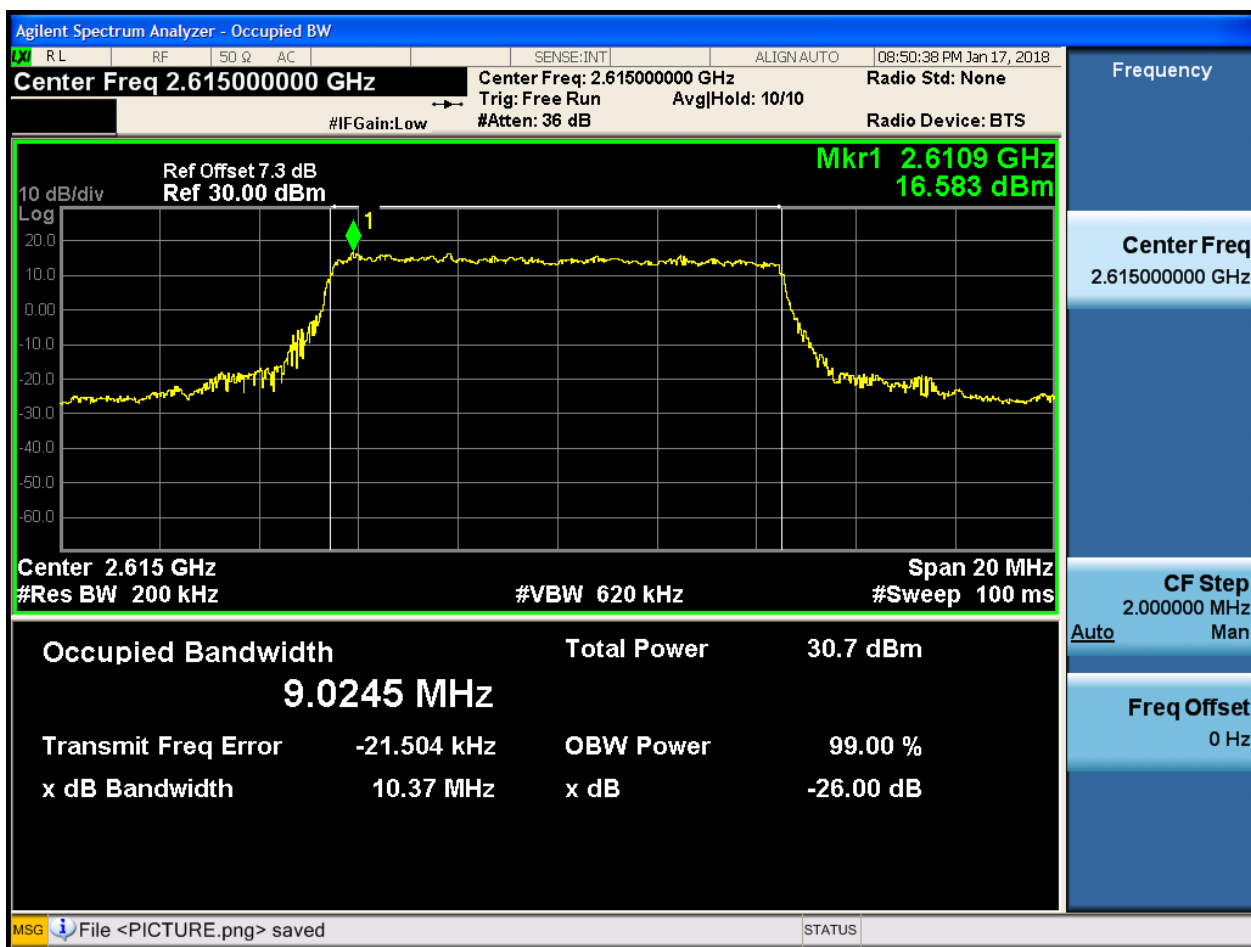
4.1.1.1.2.2 Test Channel = MCH

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

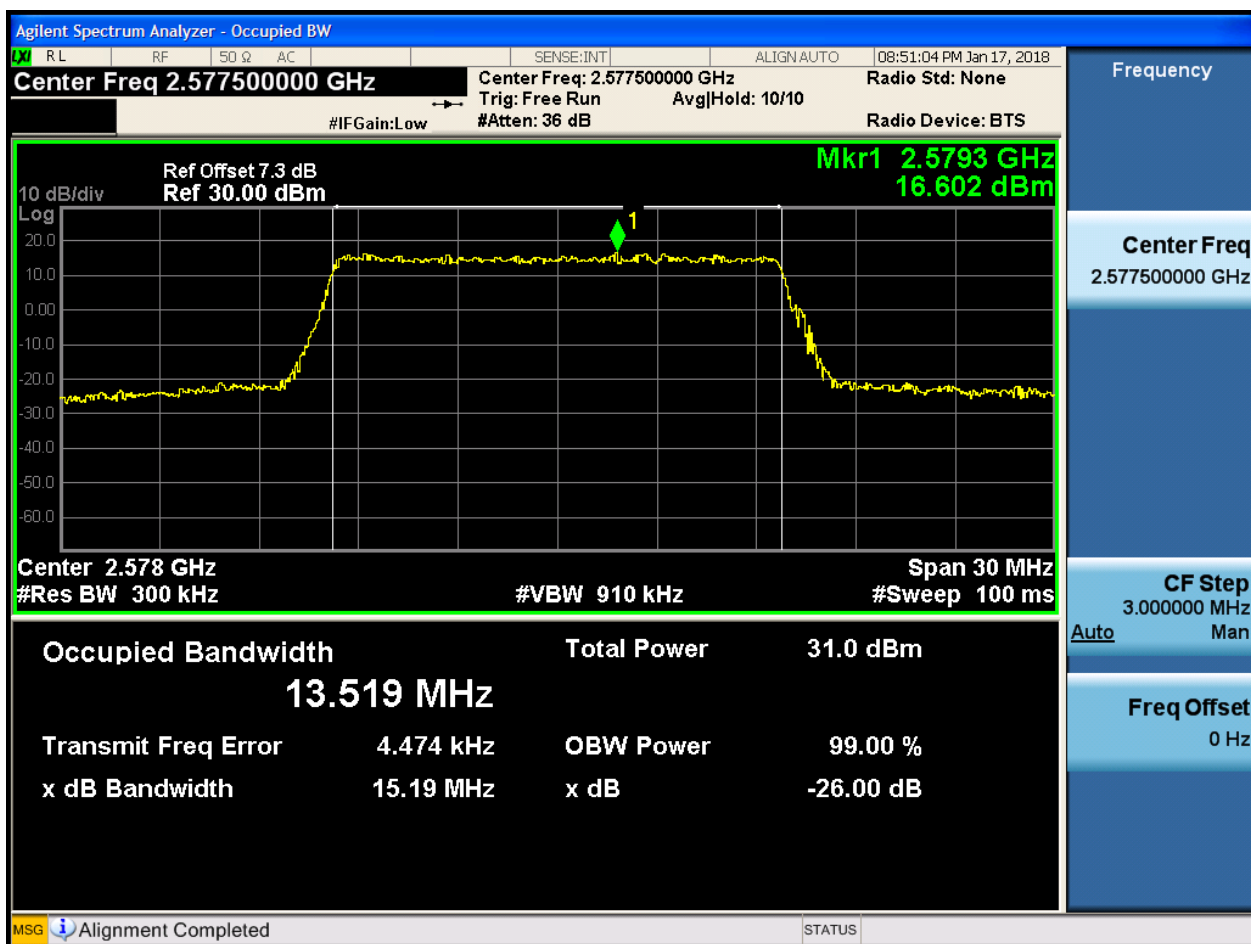




4.1.1.1.3 Test Bandwidth = 15

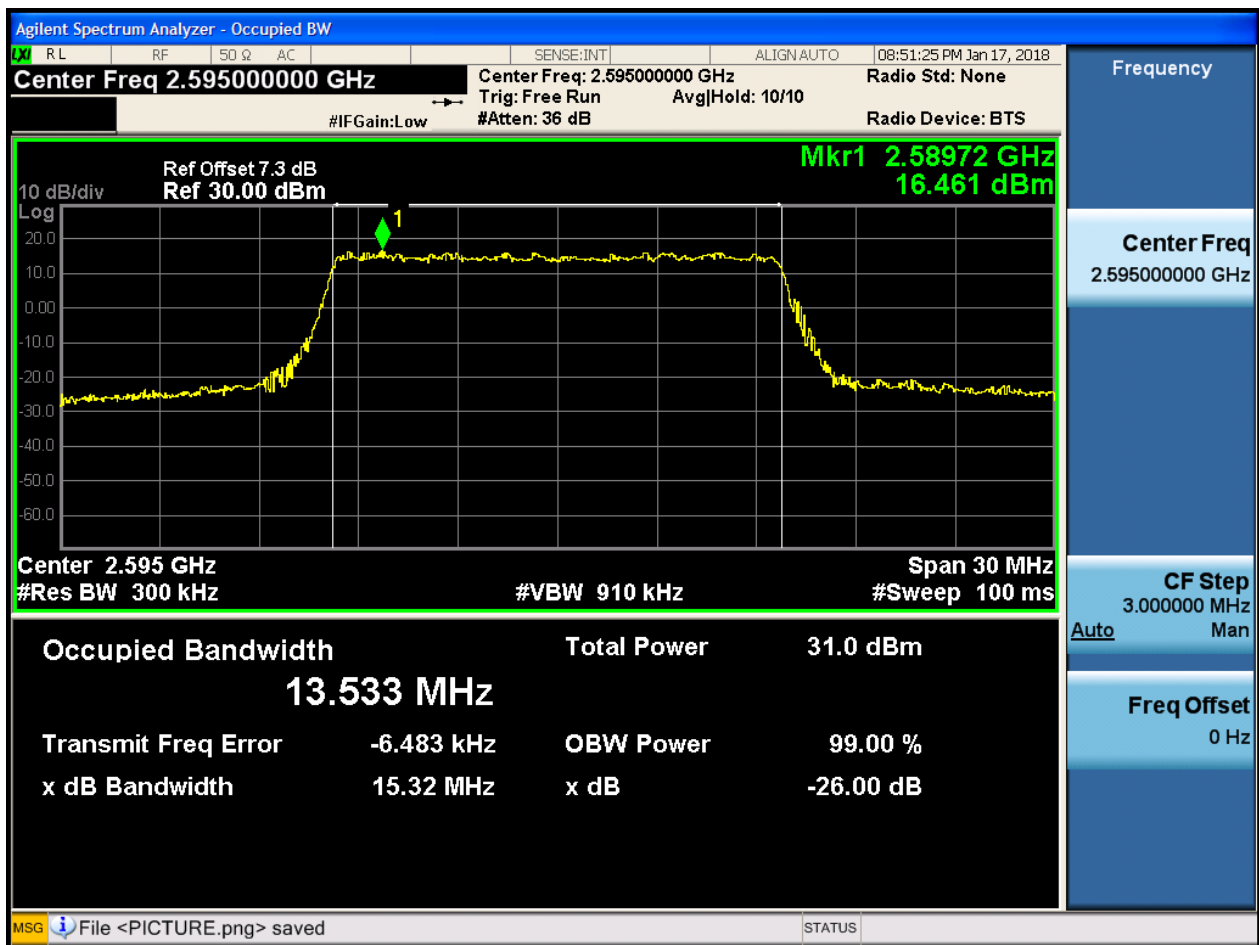
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB75#0



4.1.1.1.3.2 Test Channel = MCH

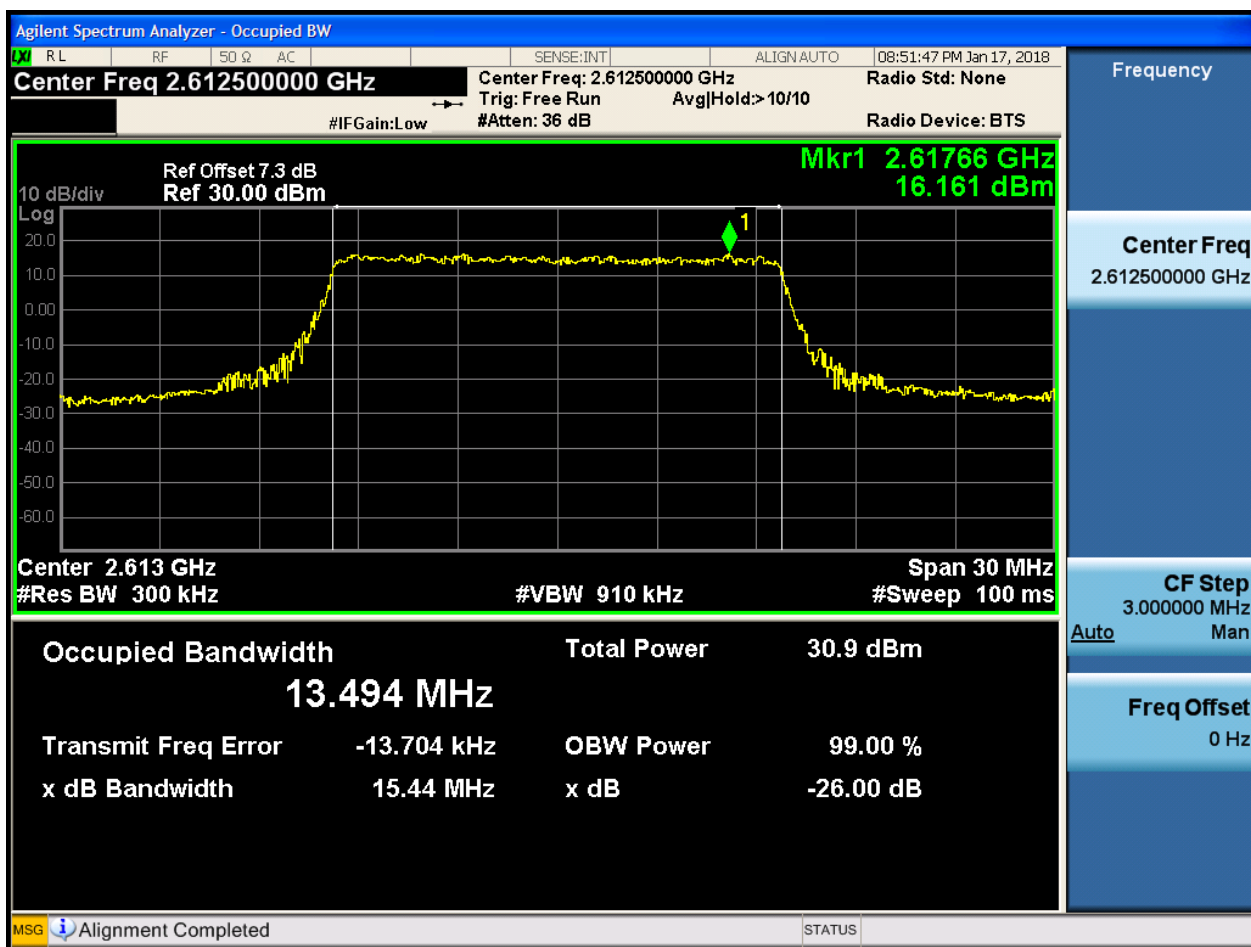
4.1.1.1.3.2.1 Test RB = RB75#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB75#0

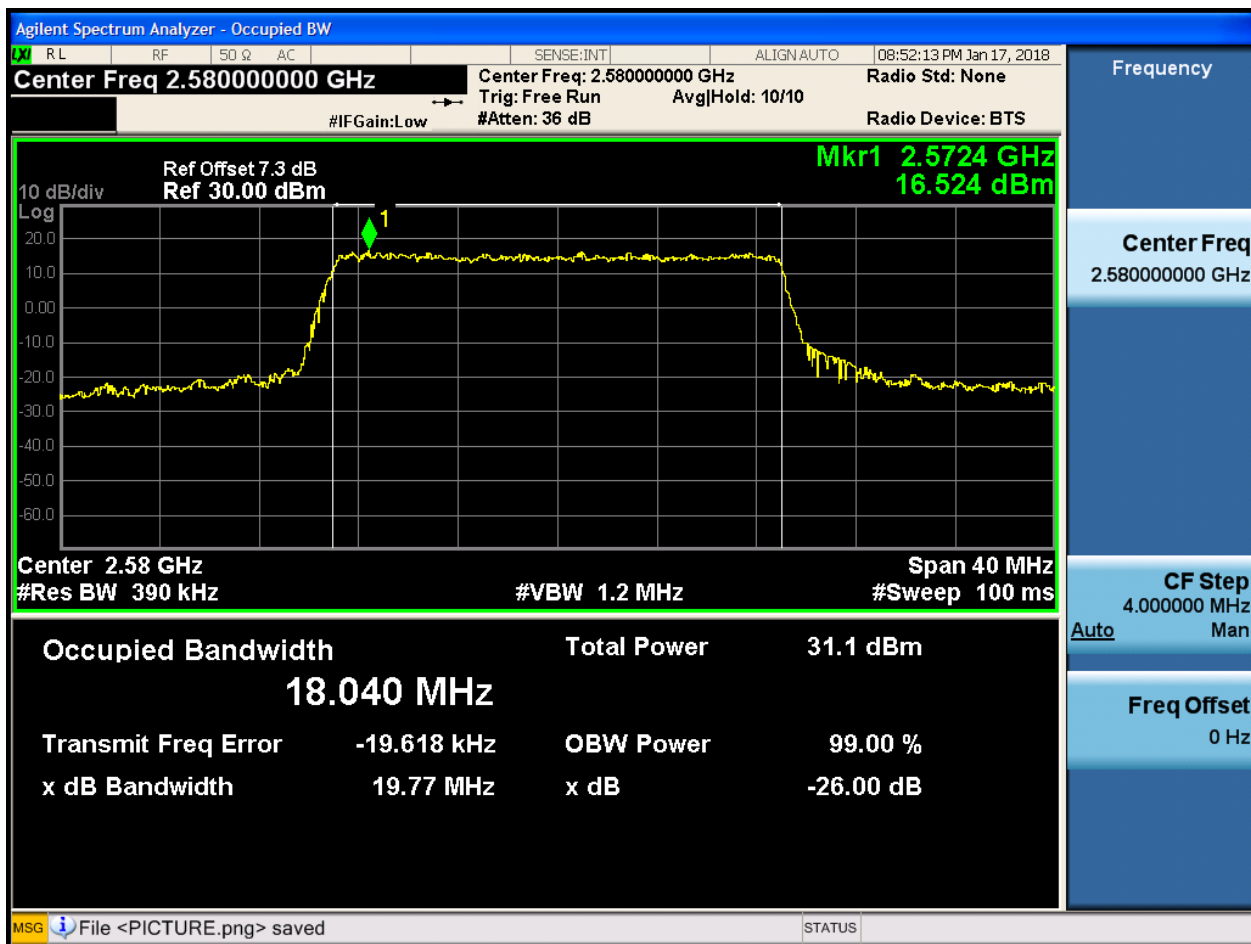




4.1.1.1.4 Test Bandwidth = 20

4.1.1.1.4.1 Test Channel = LCH

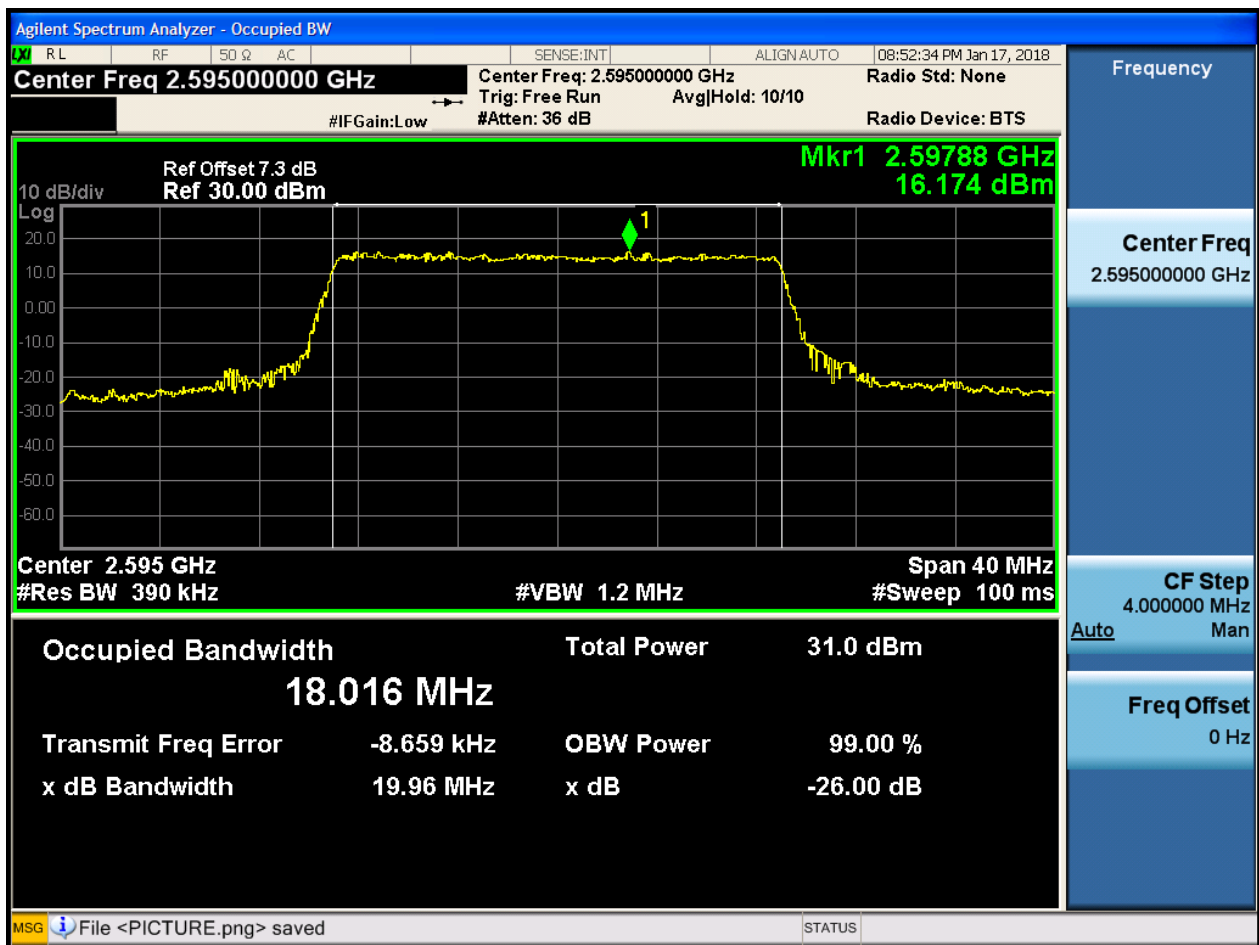
4.1.1.1.4.1.1 Test RB = RB100#0





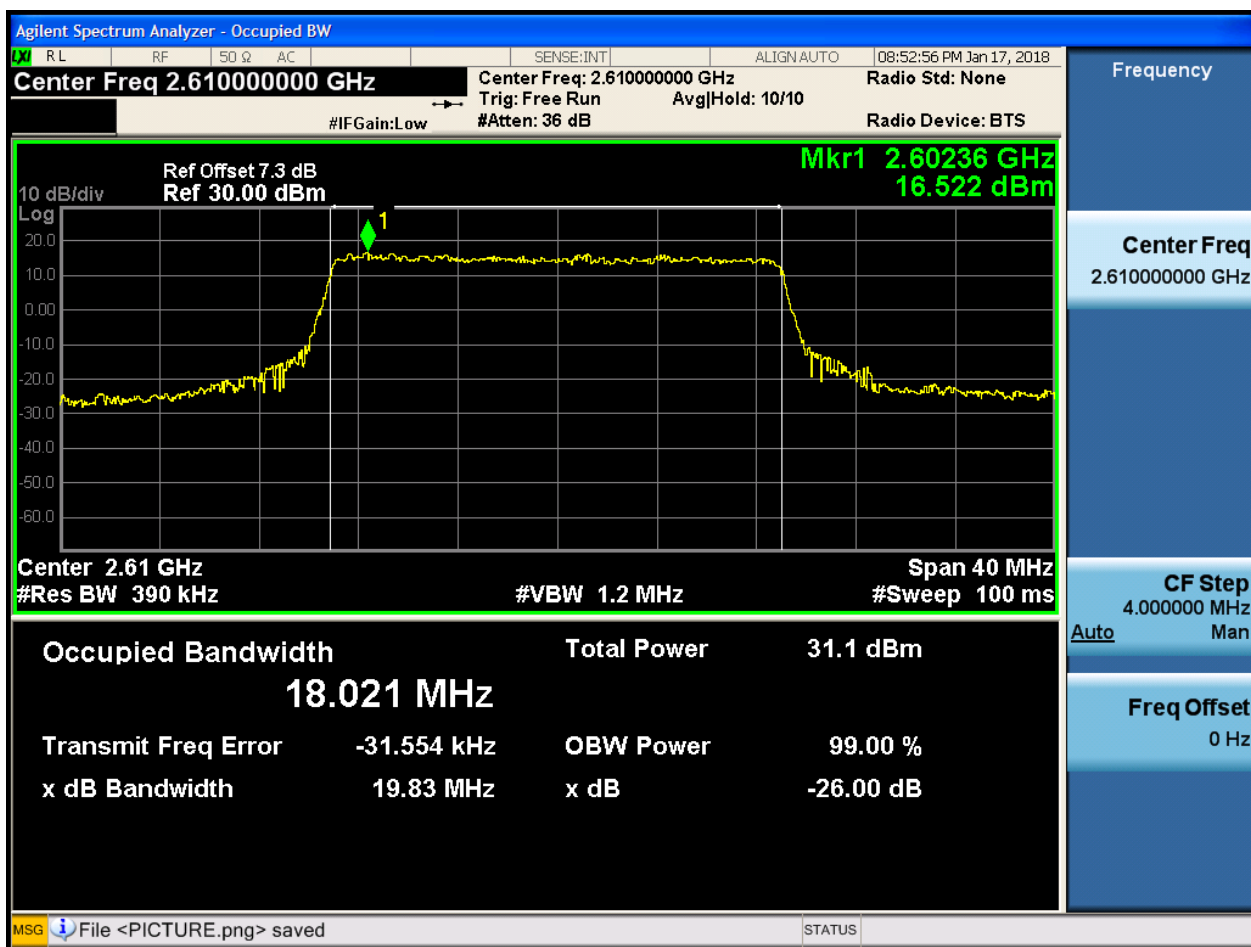
4.1.1.1.4.2 Test Channel = MCH

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



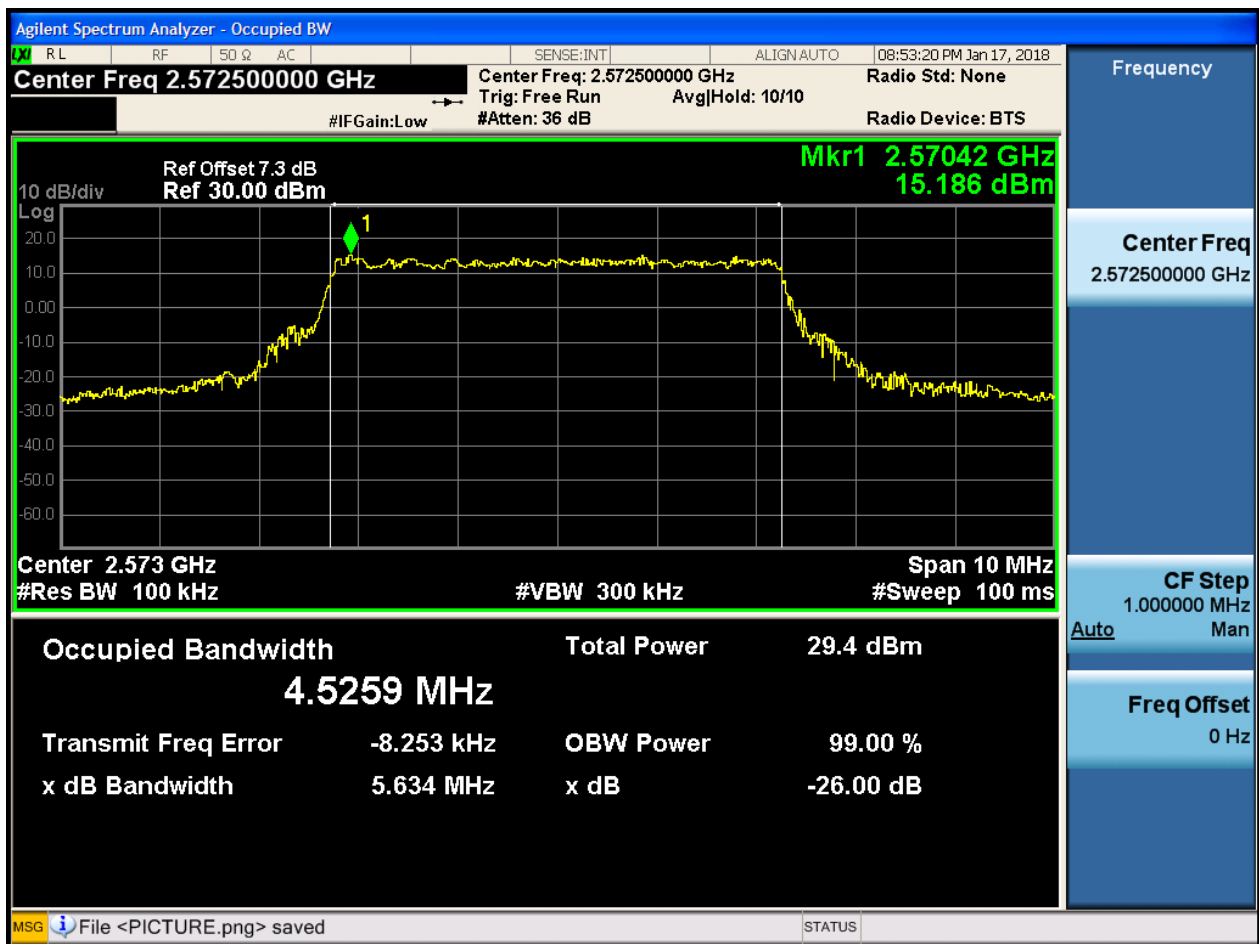


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

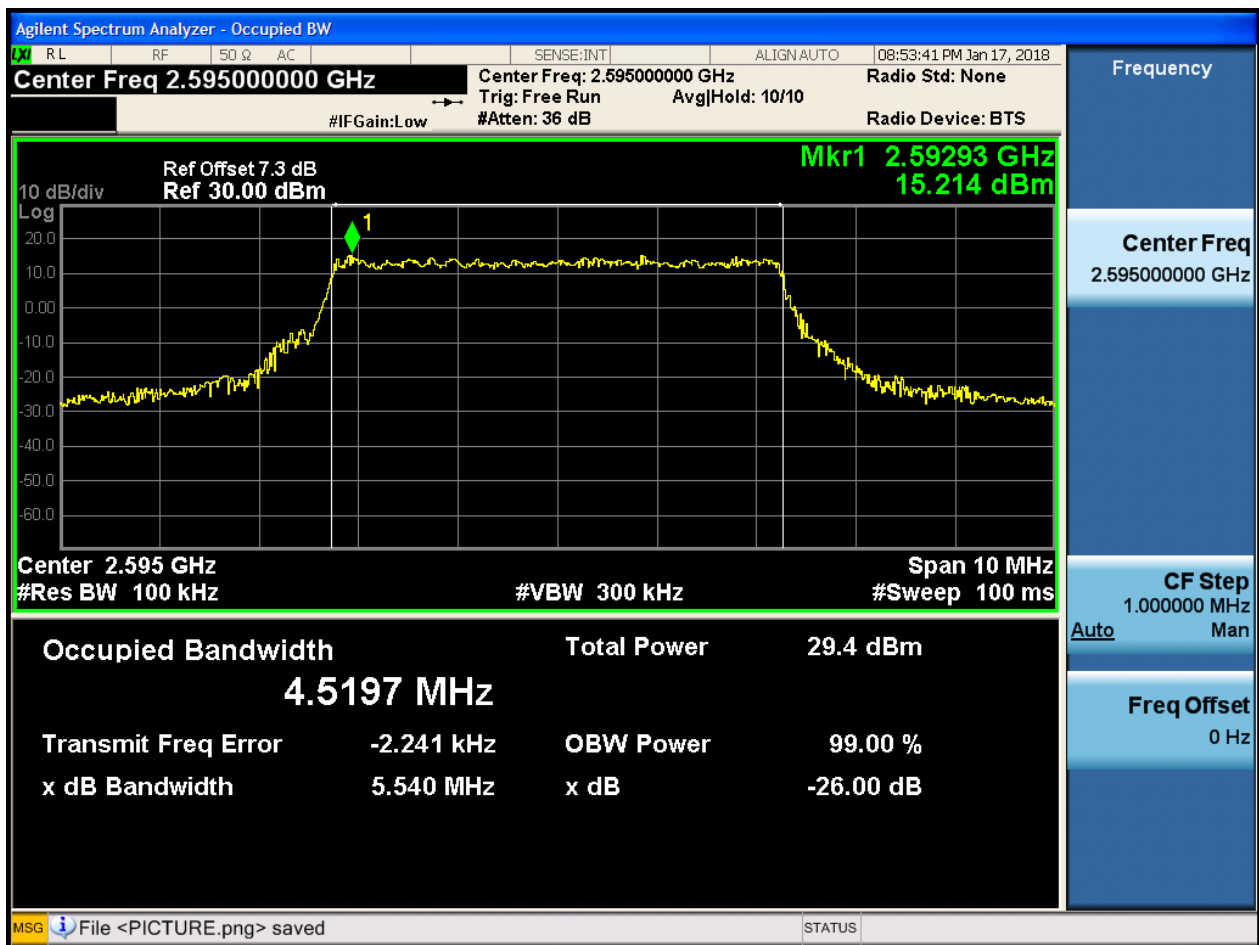
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

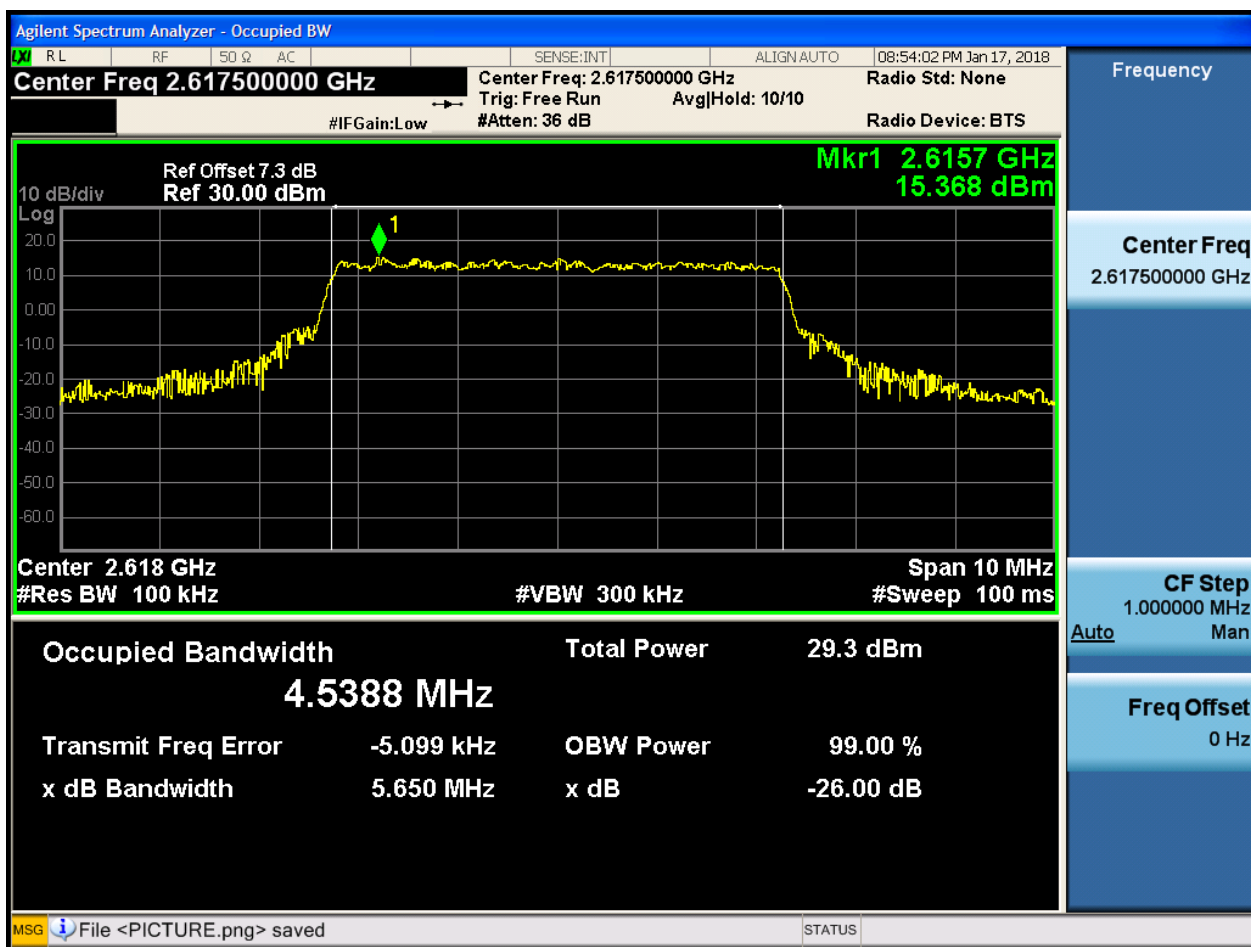
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

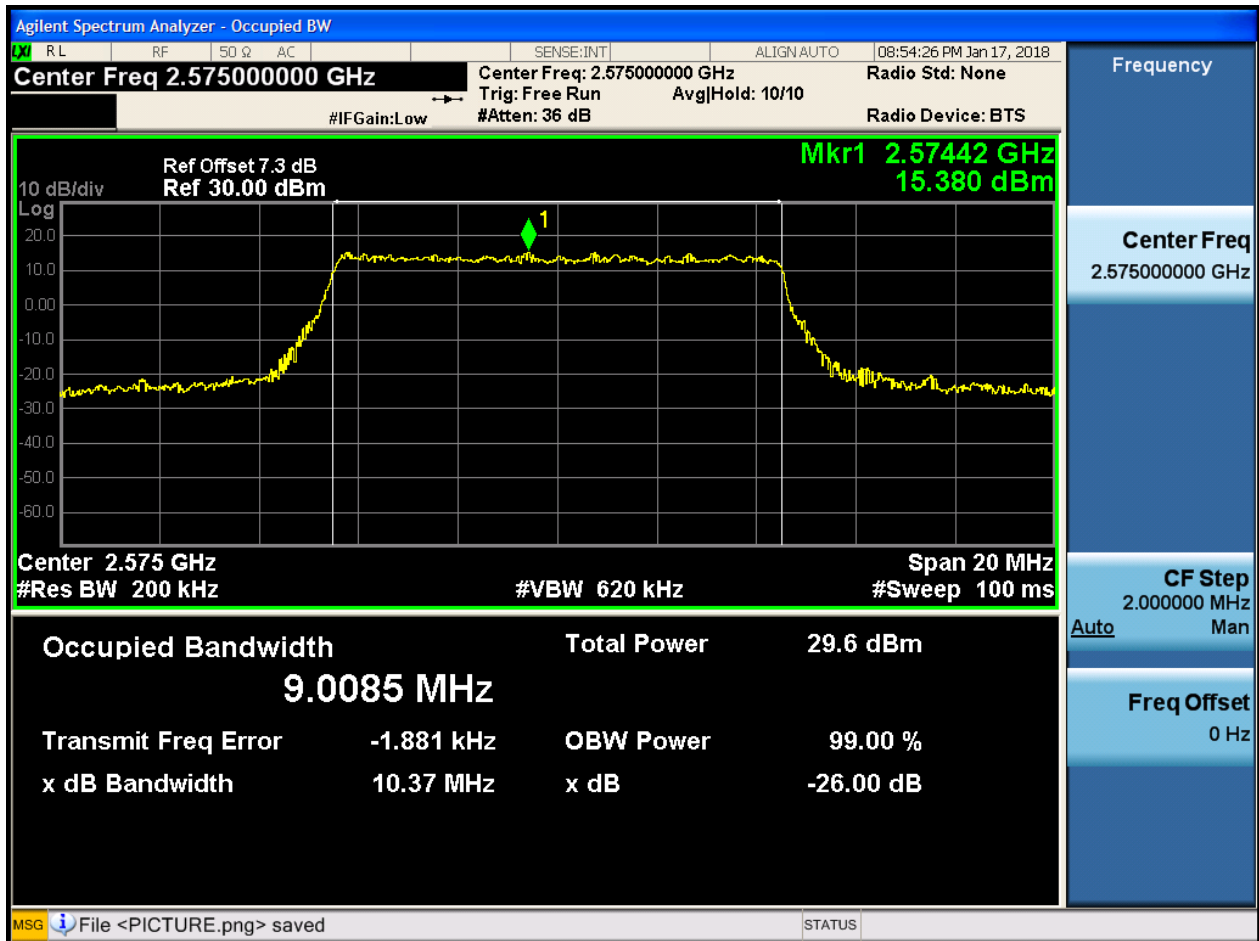




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

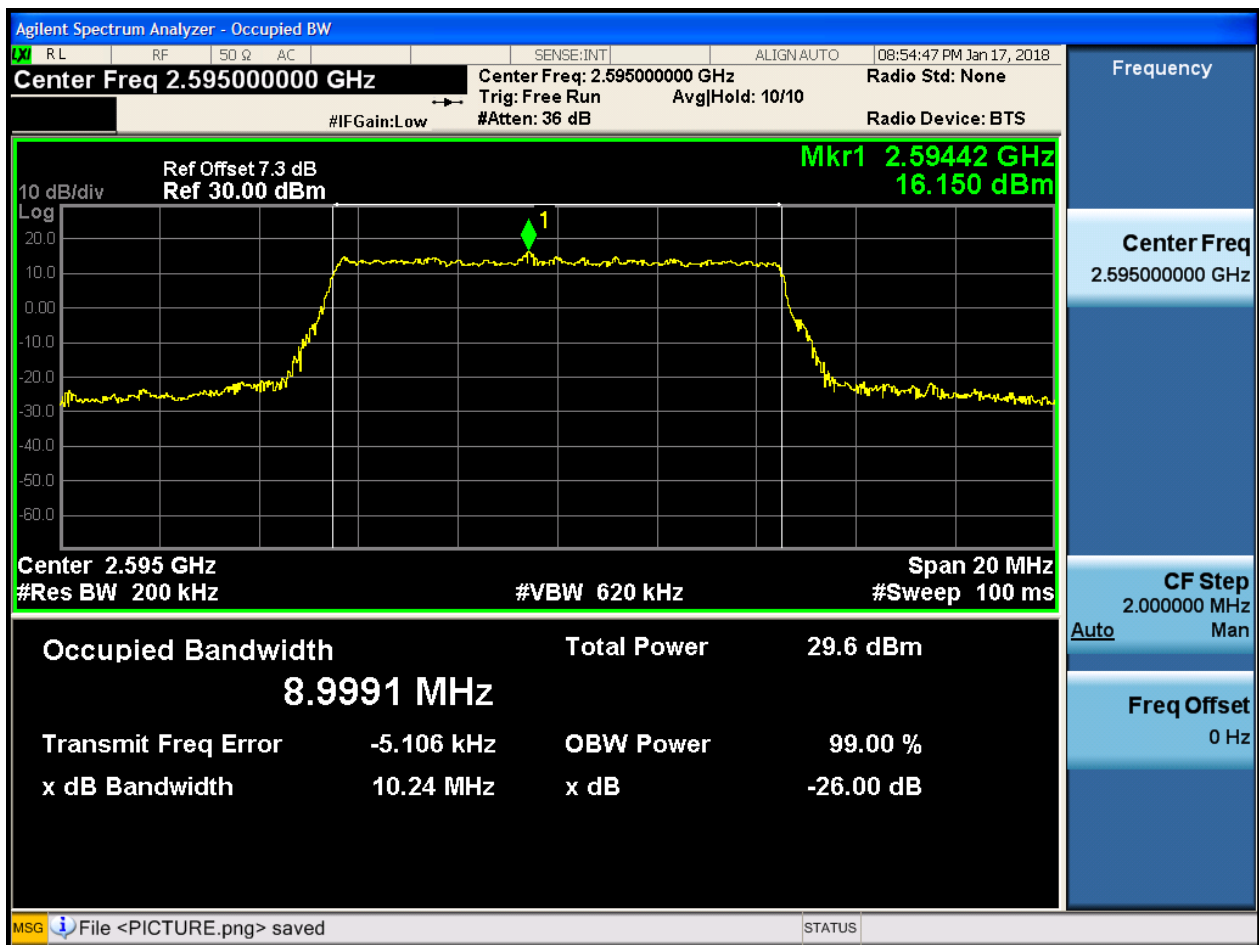
4.1.1.2.2.1.1 Test RB = RB50#0





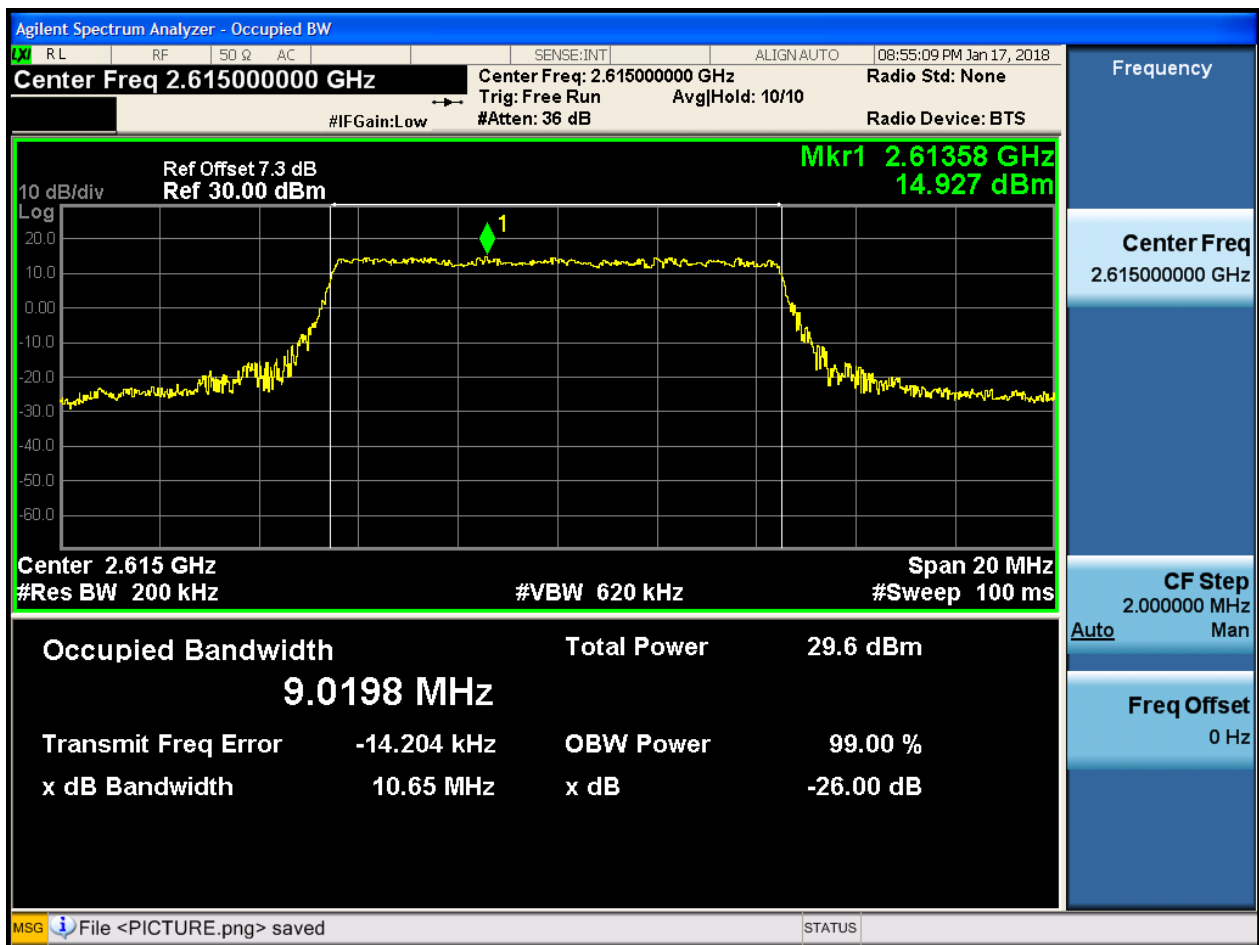
4.1.1.2.2.2 Test Channel = MCH

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

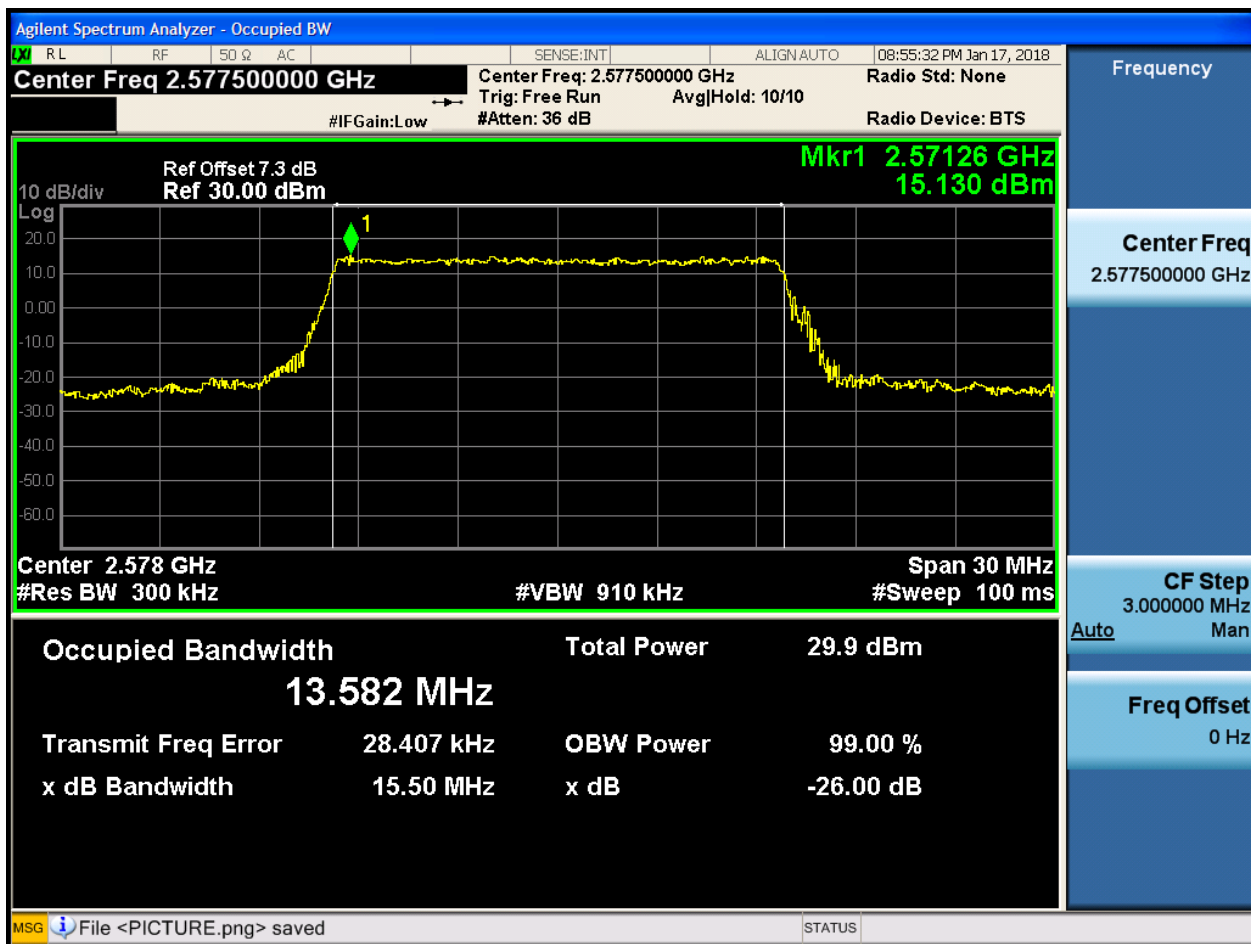




4.1.1.2.3 Test Bandwidth = 15

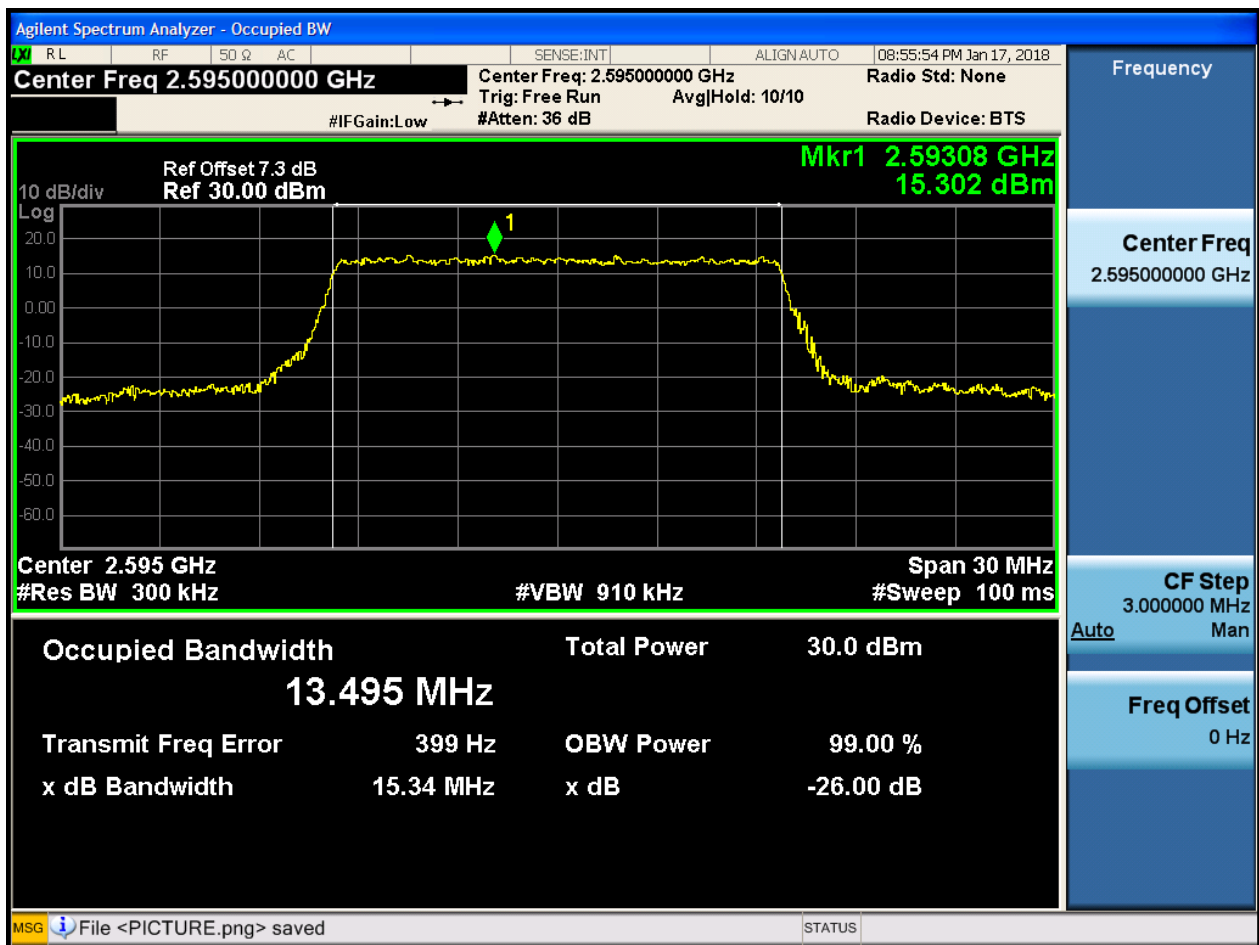
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB75#0



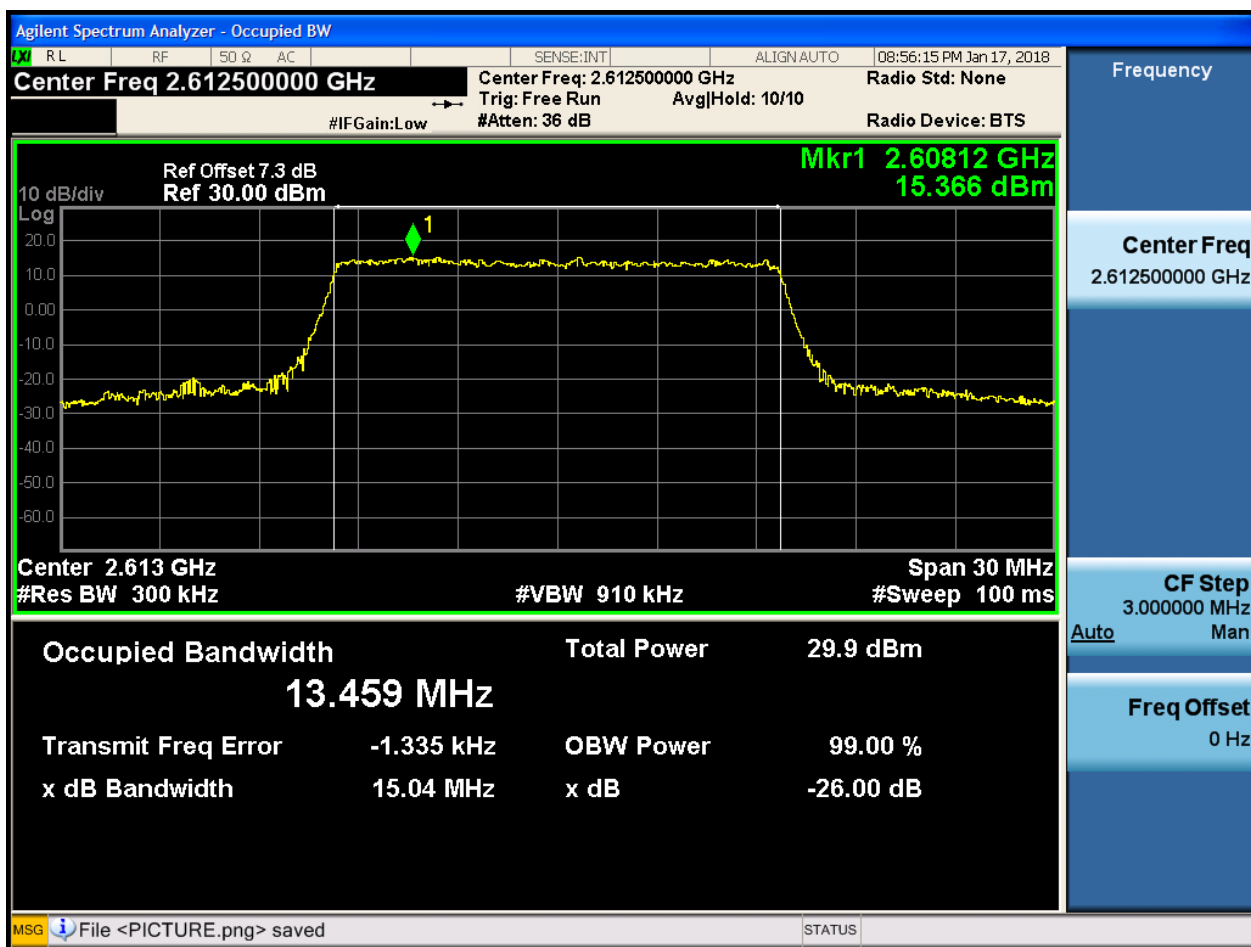
4.1.1.2.3.2 Test Channel = MCH

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

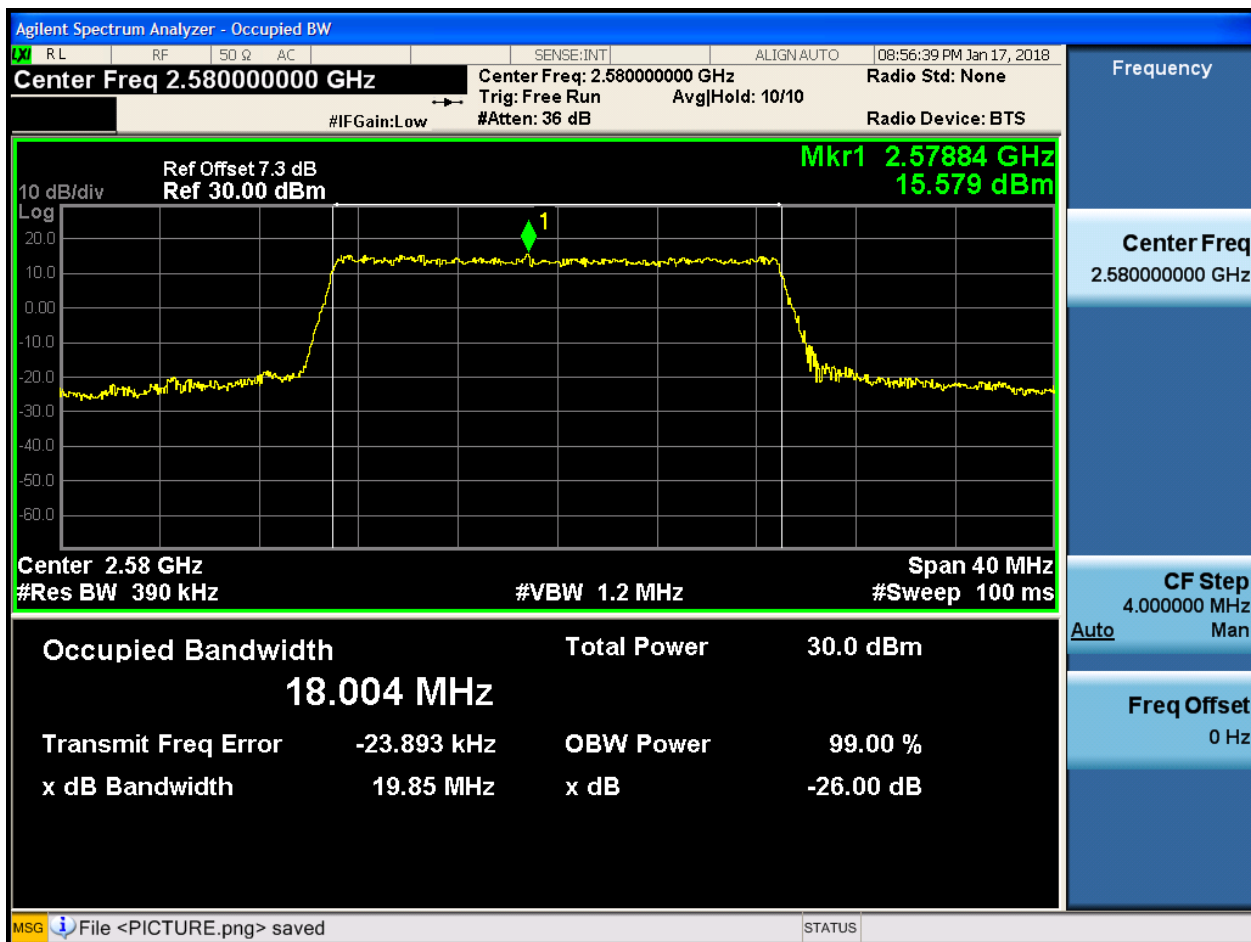




4.1.1.2.4 Test Bandwidth = 20

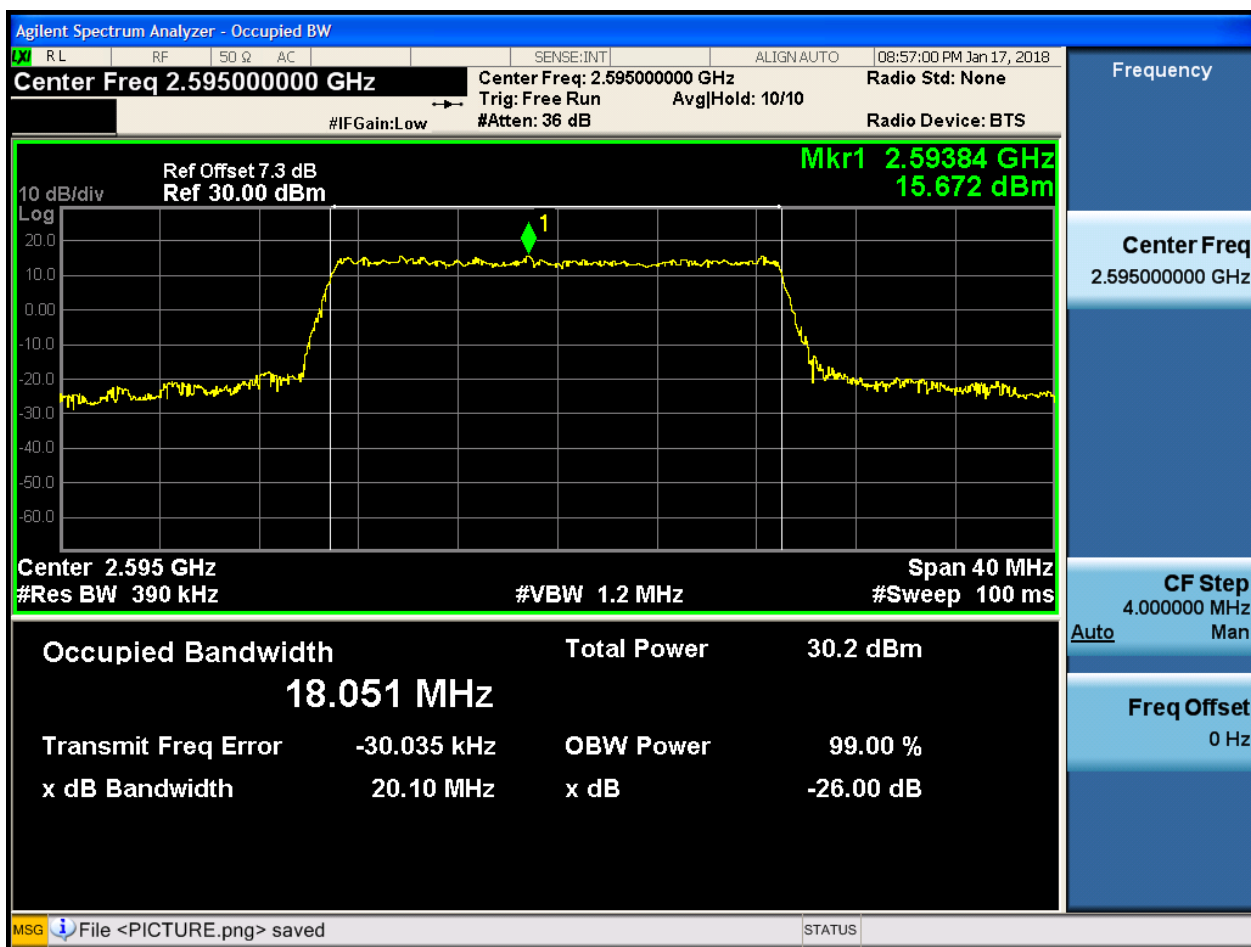
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB100#0



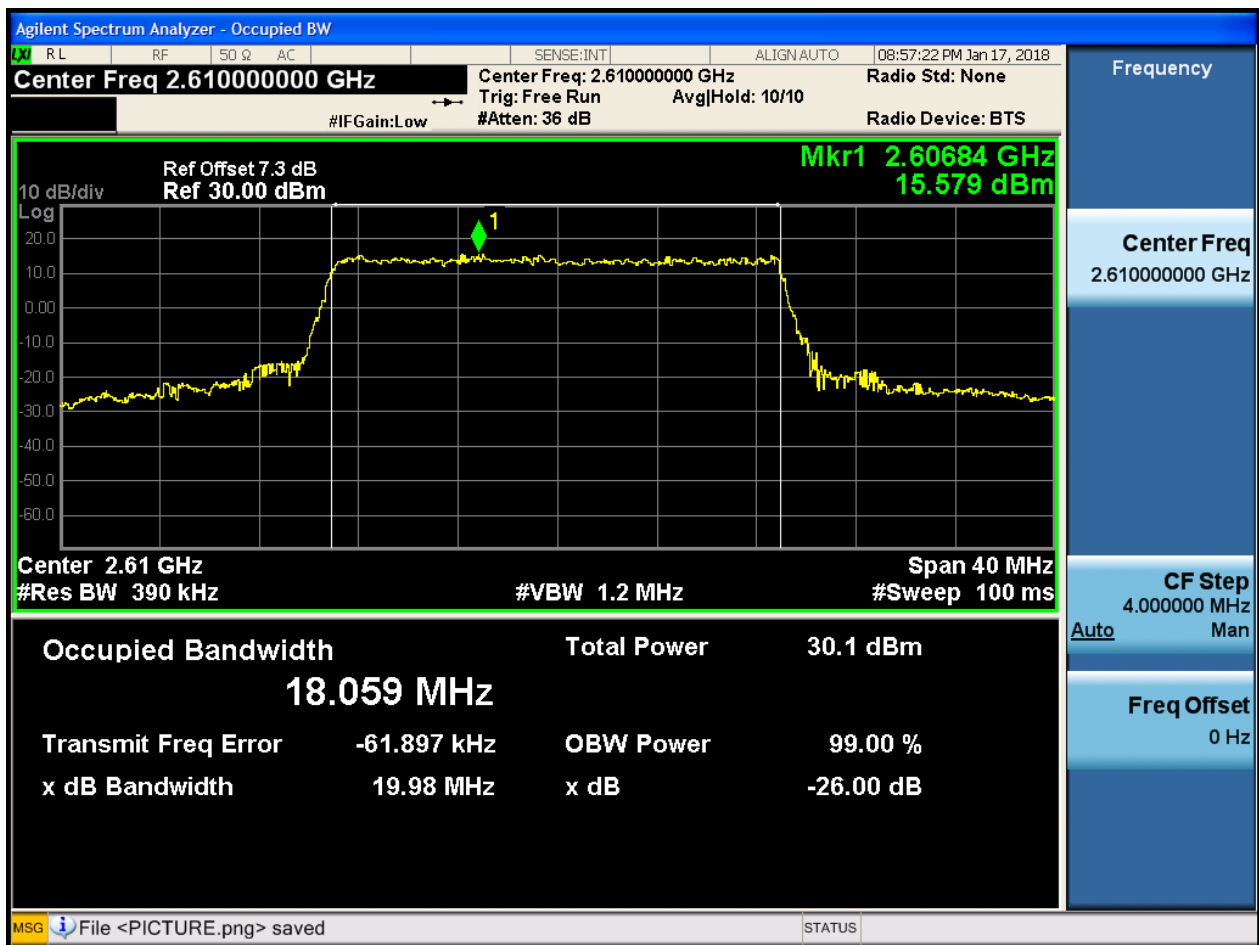
4.1.1.2.4.2 Test Channel = MCH

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

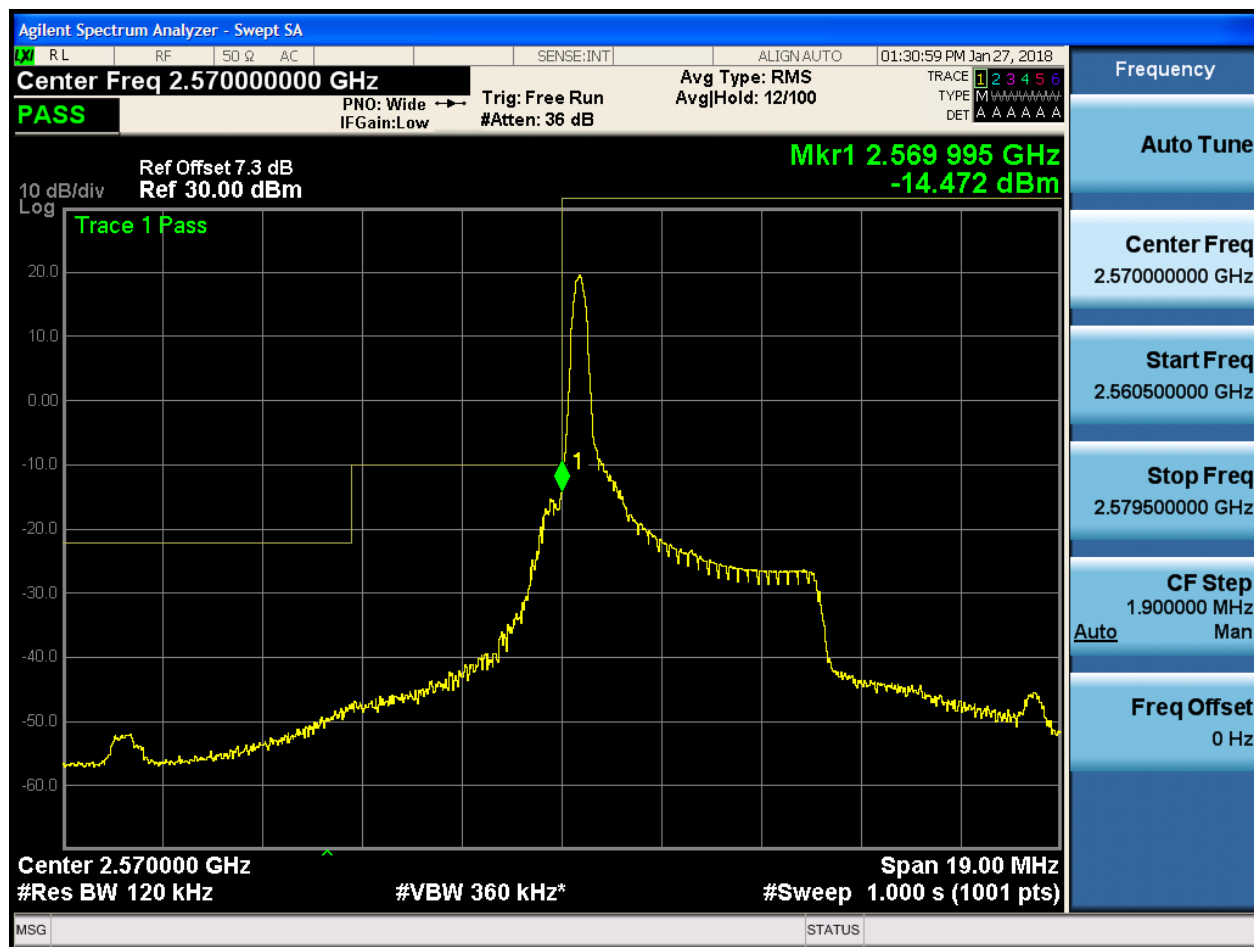
5.1.1 Test Band = BAND38

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 08:58:05 PM Jan 17, 2018

Center Freq 2.570000000 GHz Avg Type: RMS
#Res BW 120 kHz #VBW 360 kHz* #Sweep 1.000 s (1001 pts)

PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.569 995 GHz
-33.734 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.570000 GHz
#Res BW 120 kHz #VBW 360 kHz* Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.560500000 GHz

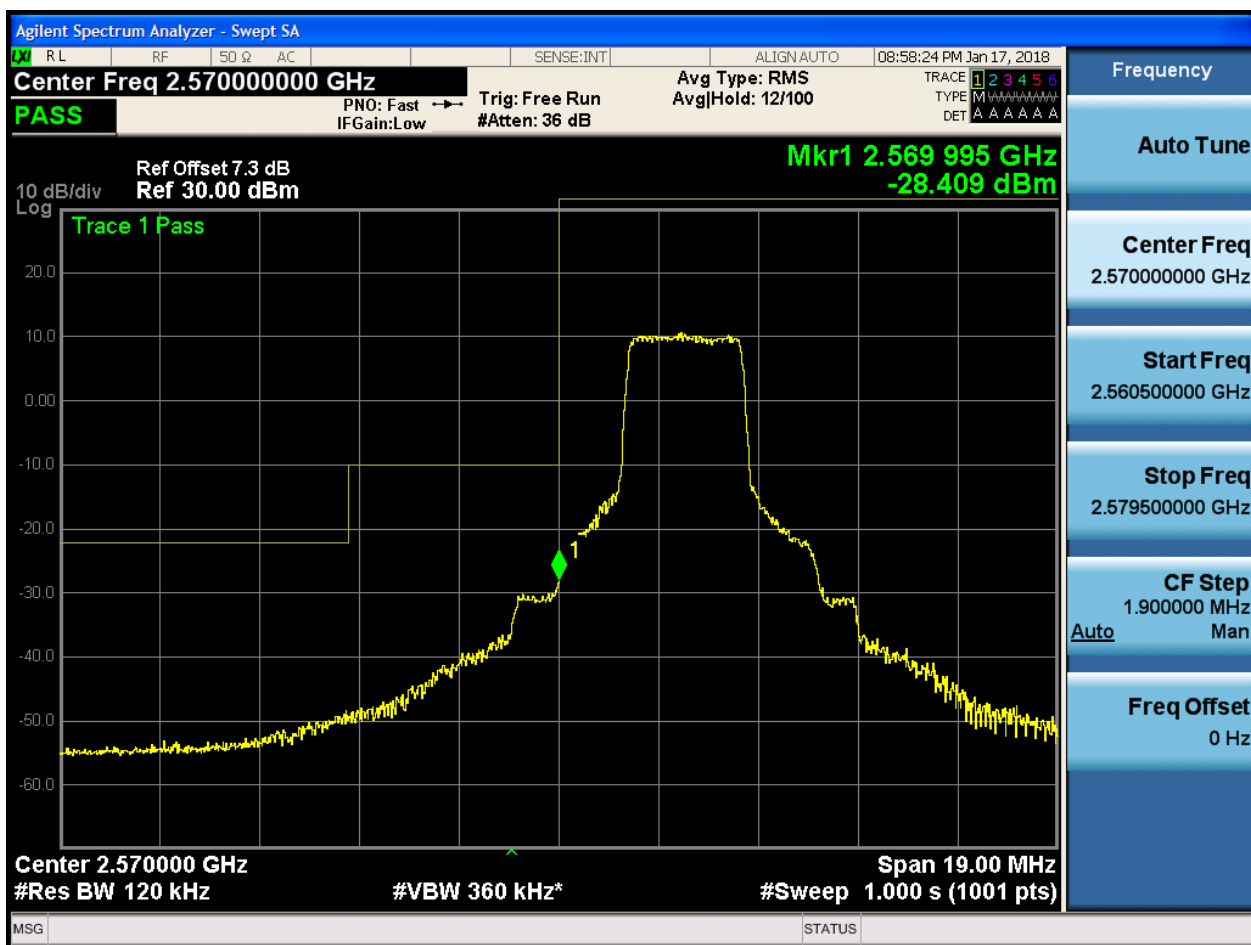
Stop Freq
2.579500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz

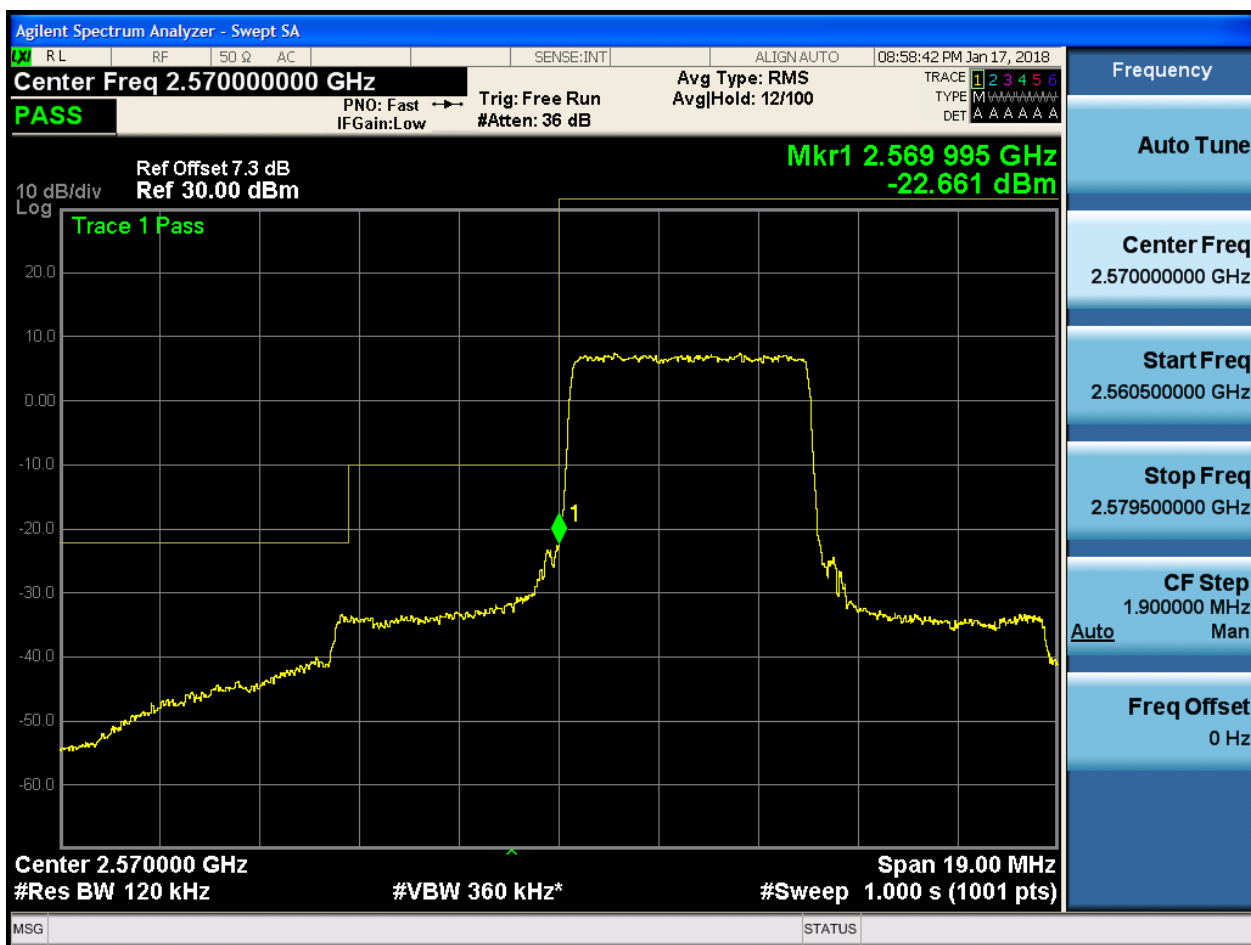


5.1.1.1.1.3 Test RB = RB12#6





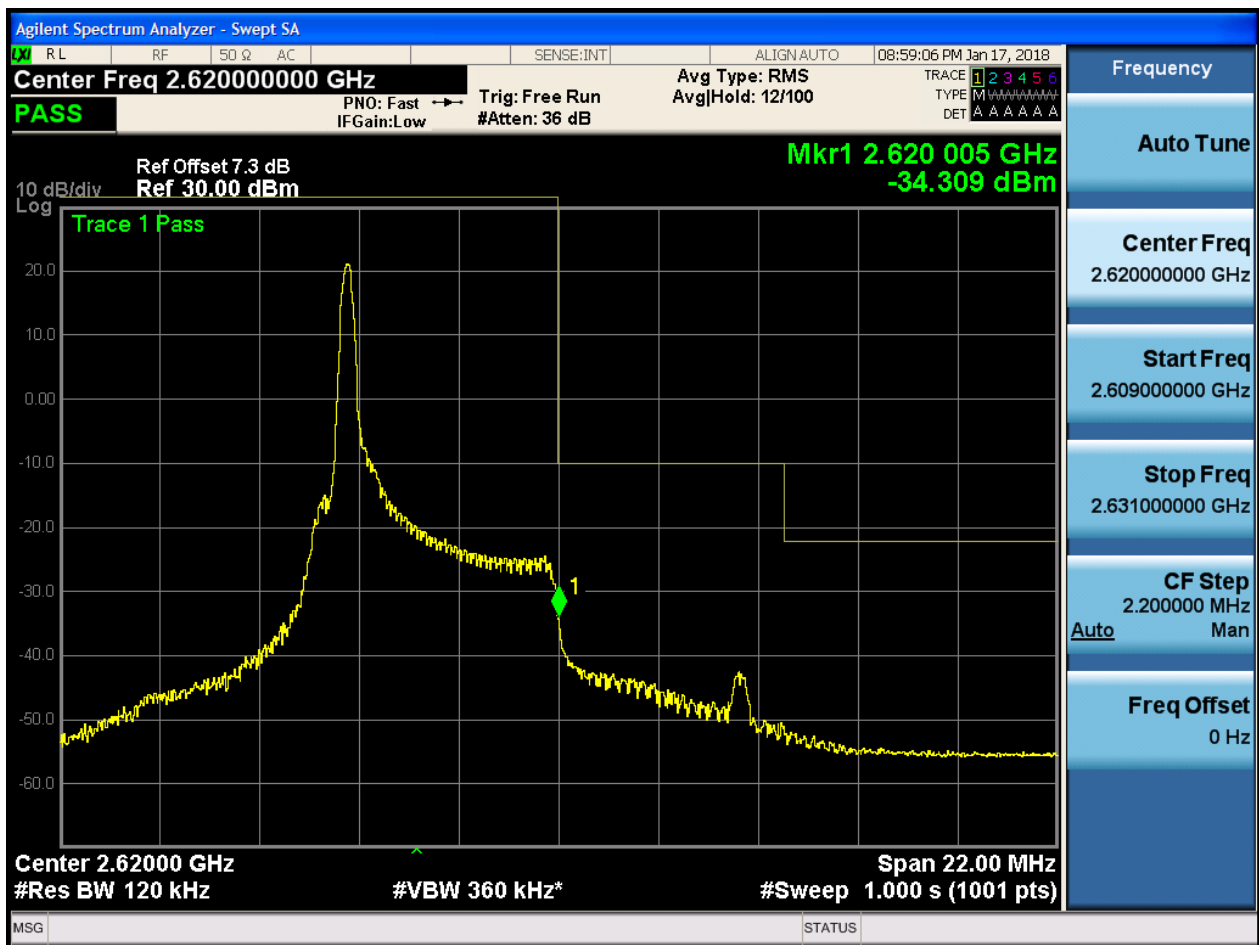
5.1.1.1.1.4 Test RB = RB25#0





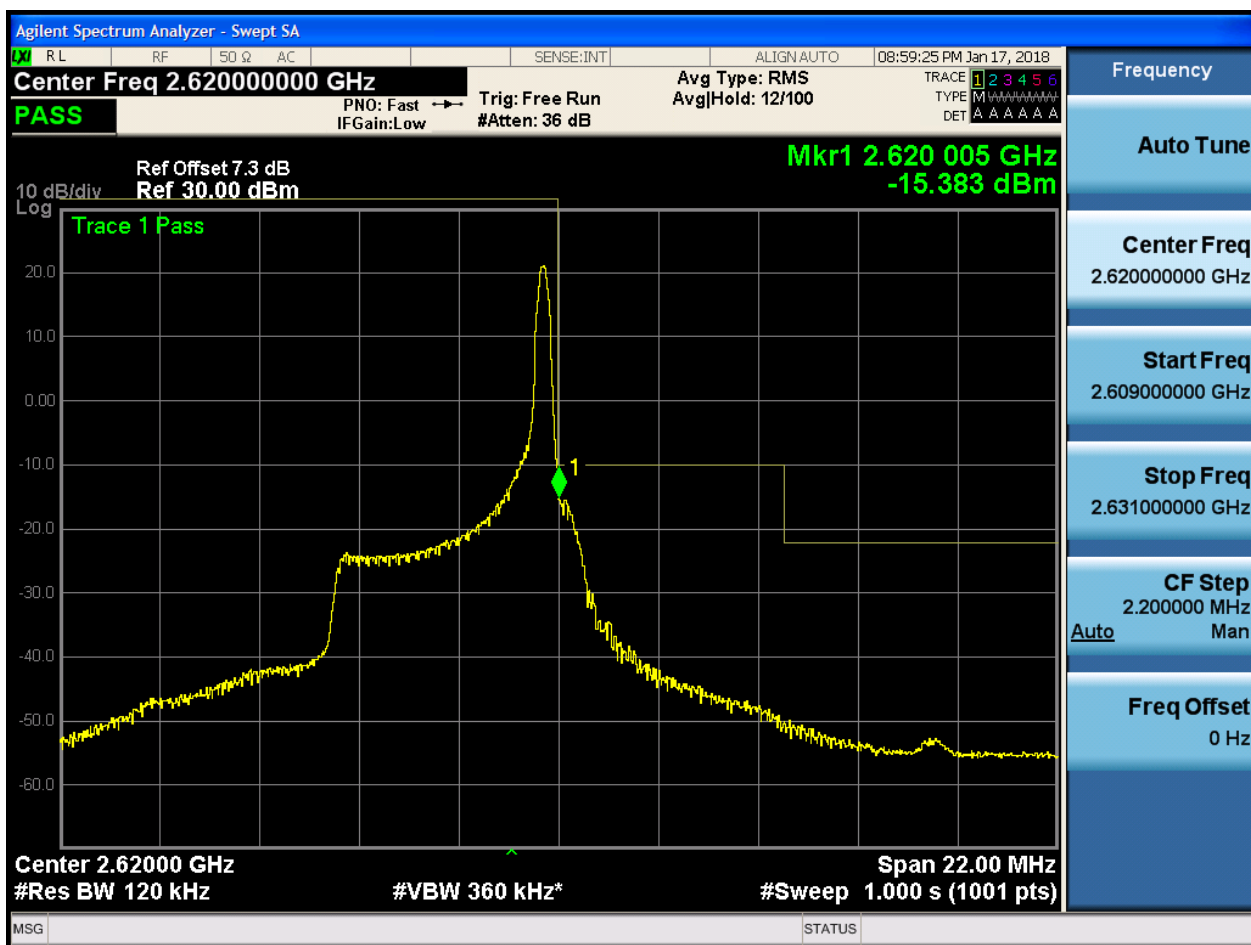
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 08:59:44 PM Jan 17, 2018

Center Freq 2.620000000 GHz Avg Type: RMS
PASS PNO: Fast Trg: Free Run AvgHold: 12/100
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.620 005 GHz
-30.661 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.62000 GHz
#Res BW 120 kHz #VBW 360 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.620000000 GHz

Start Freq
2.609000000 GHz

Stop Freq
2.631000000 GHz

CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz

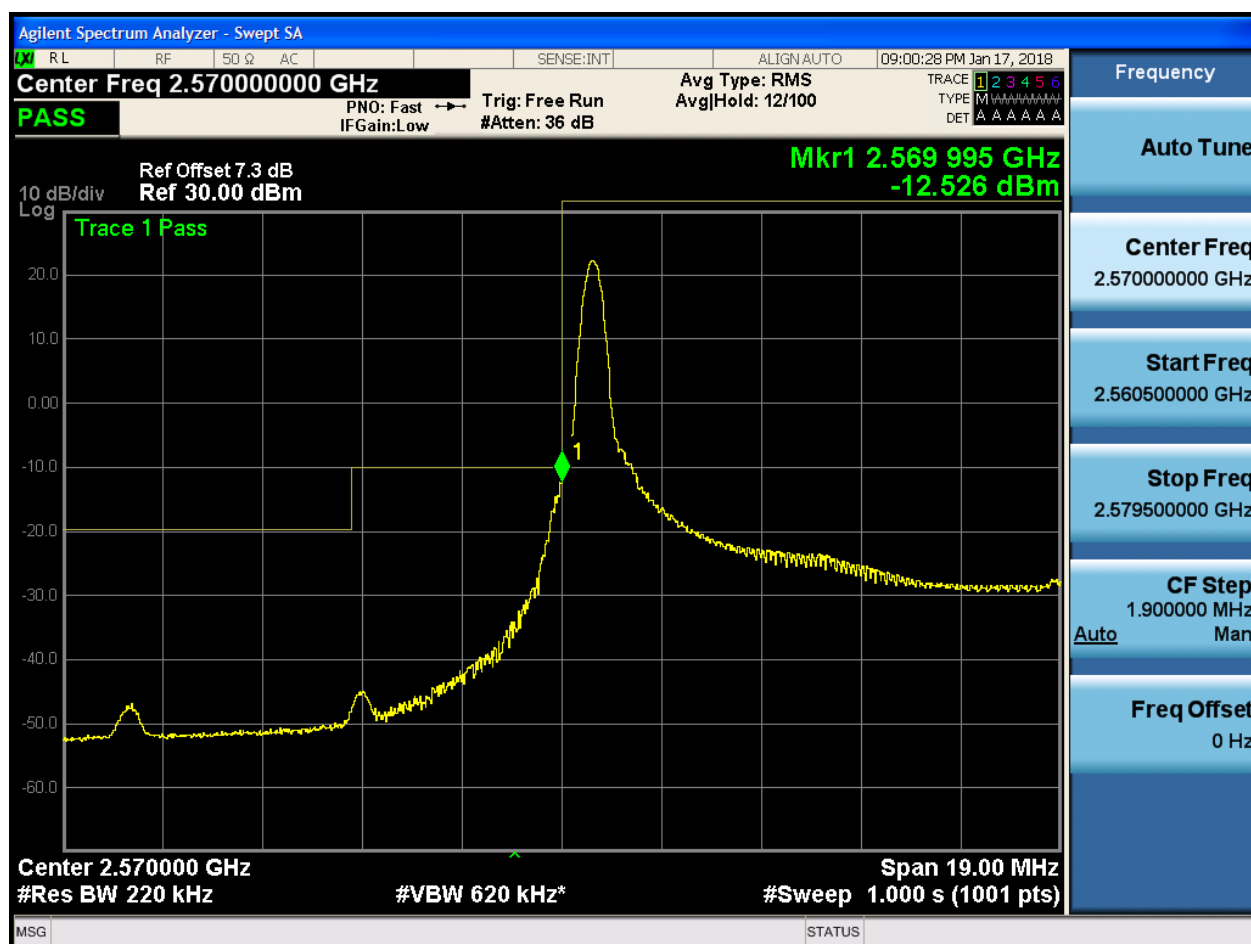
5.1.1.1.1.2.4 Test RB = RB25#0



5.1.1.1.2 Test Bandwidth = 10

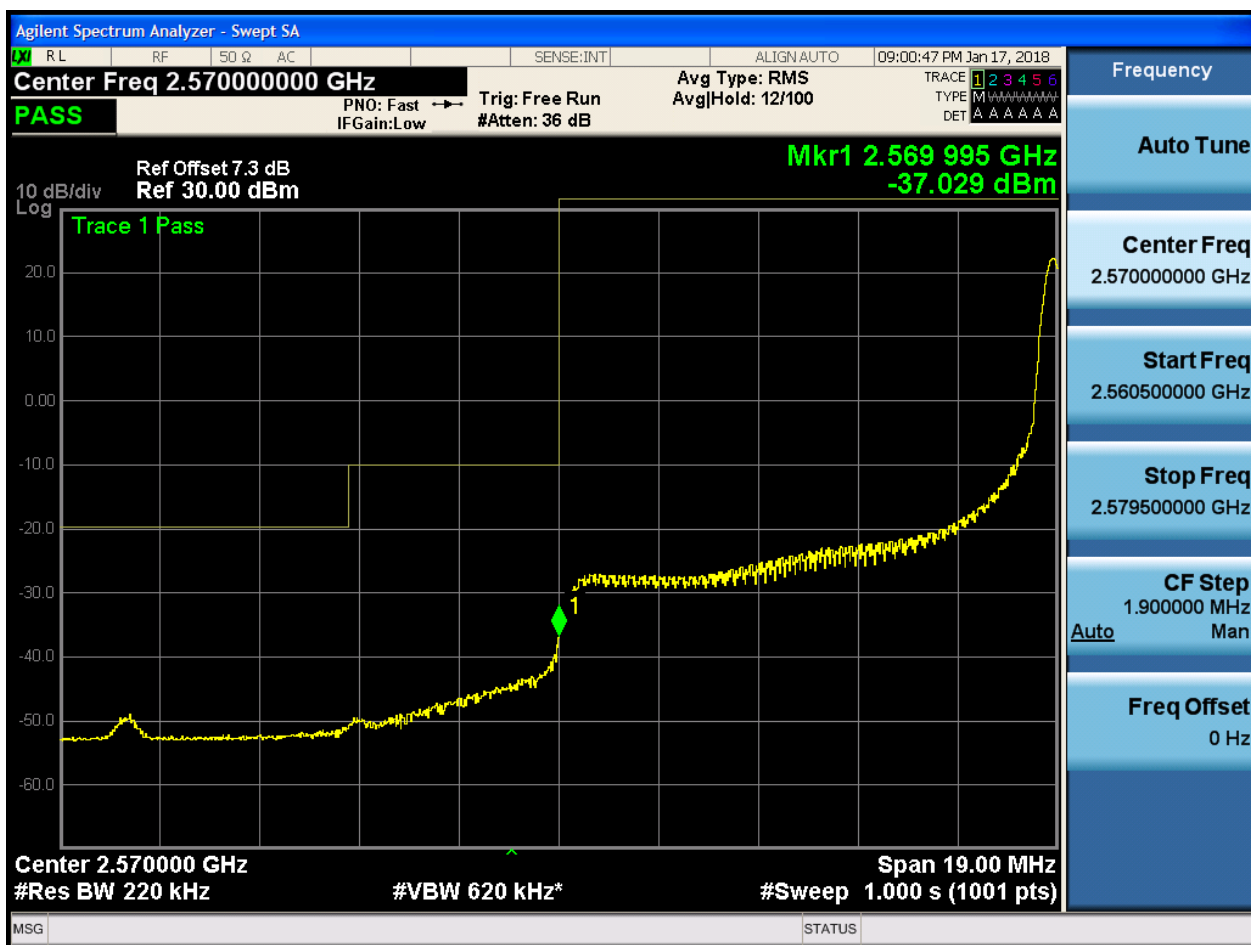
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 09:01:06 PM Jan 17, 2018

Center Freq 2.570000000 GHz Avg Type: RMS Trg: Free Run
PNO: Fast IFGain:Low #Atten: 36 dB

PASS

Ref Offset 7.3 dB Ref 30.00 dBm

Mkr1 2.569 995 GHz -30.859 dBm

10 dB/div Log

Trace 1 Pass

Center 2.570000 GHz Span 19.00 MHz
#Res BW 220 kHz #VBW 620 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.560500000 GHz

Stop Freq
2.579500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:01:24 PM Jan 17, 2018

Center Freq 2.570000000 GHz Avg Type: RMS
PASS PNO: Fast Trig: Free Run
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.569 995 GHz
-25.819 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.570000 GHz Span 19.00 MHz
#Res BW 220 kHz #VBW 620 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.560500000 GHz

Stop Freq
2.579500000 GHz

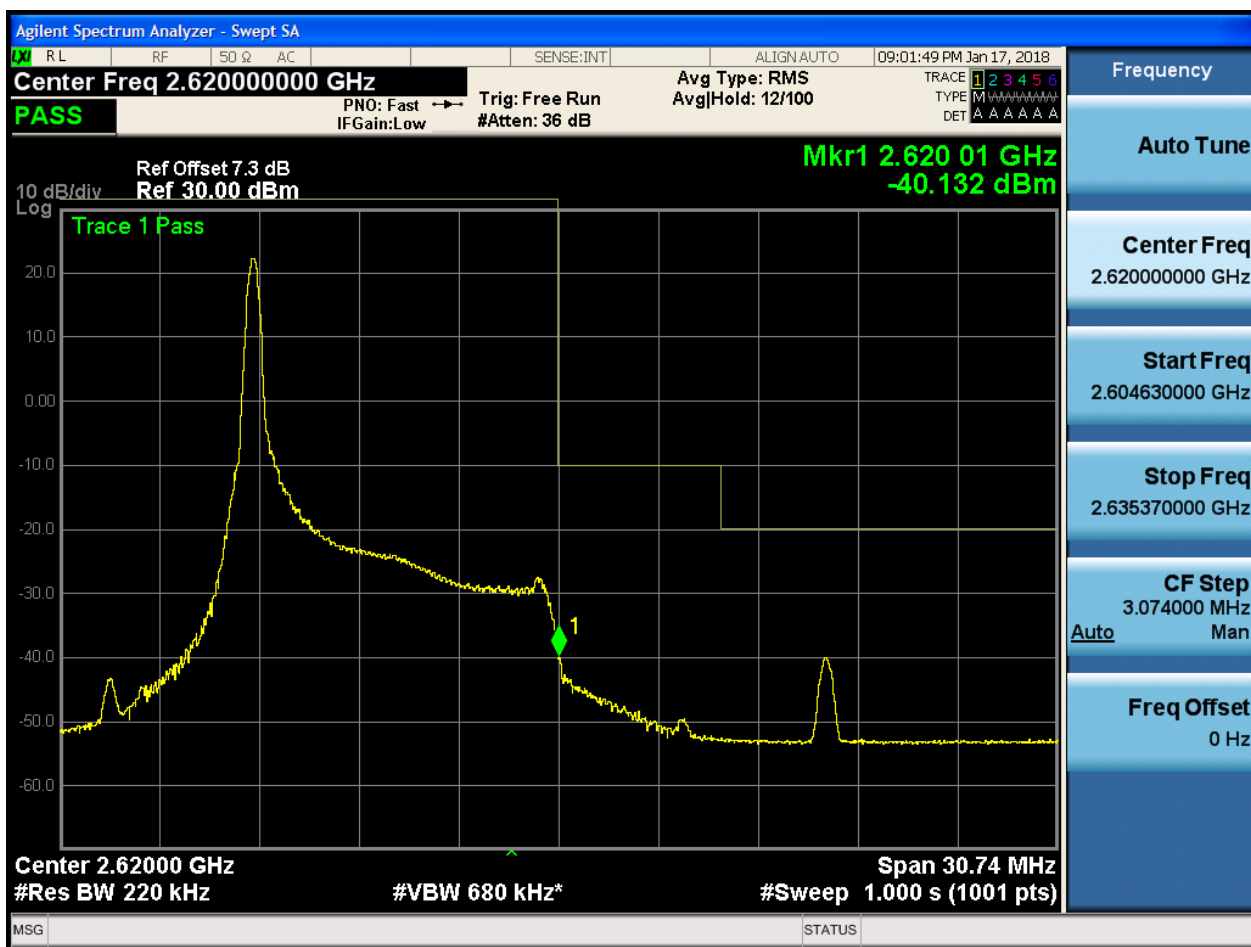
CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:02:08 PM Jan 17, 2018

Center Freq 2.620000000 GHz Avg Type: RMS
#Res BW 220 kHz #VBW 680 kHz* #Sweep 1.000 s (1001 pts)

PASS PNO: Fast IFGain:Low Trig: Free Run #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.620 01 GHz
-12.670 dBm

10 dB/div
Log

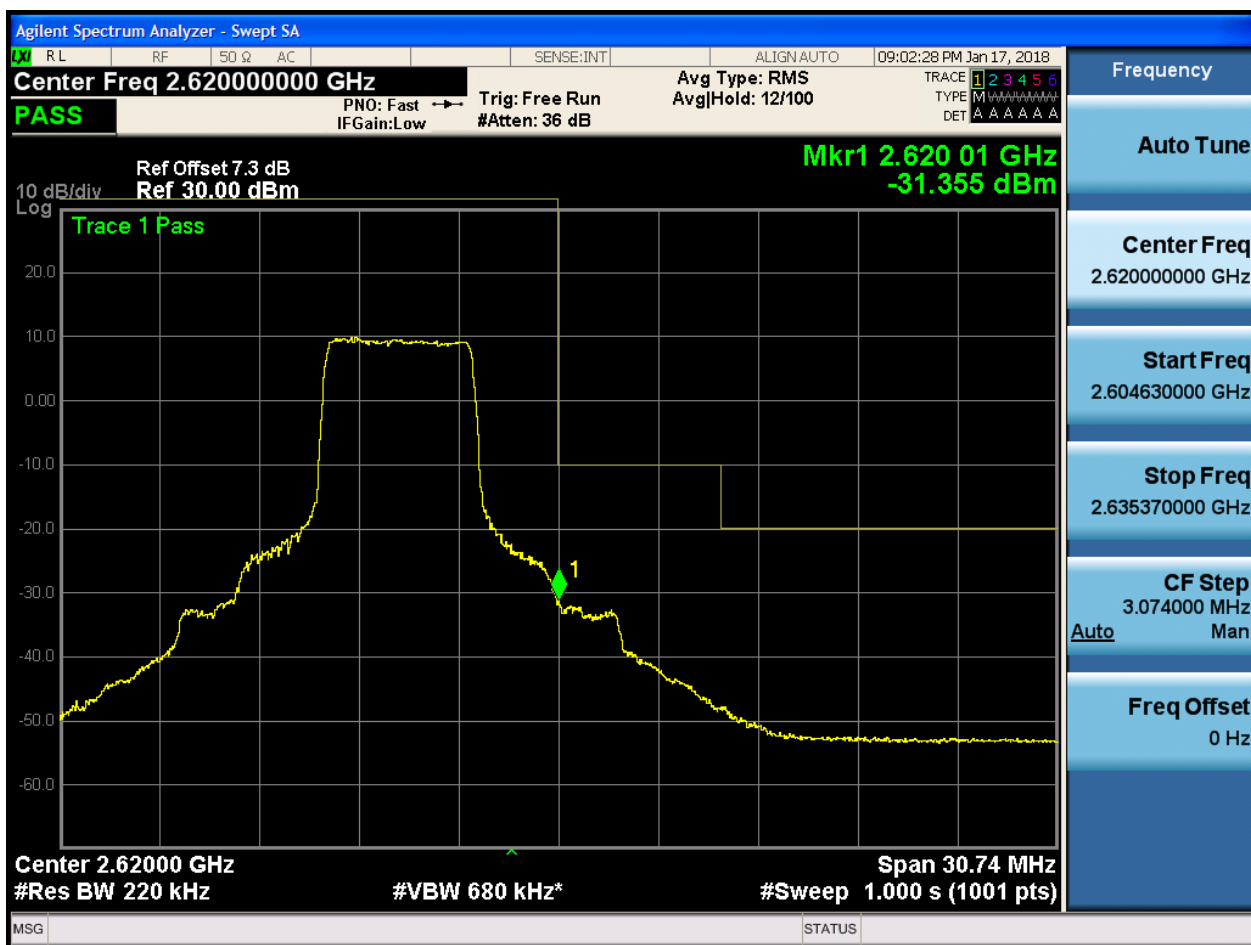
Trace 1 Pass

Center 2.62000 GHz
Span 30.74 MHz

MSG STATUS



5.1.1.1.2.2.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:02:47 PM Jan 17, 2018

Center Freq 2.62000000 GHz Avg Type: RMS Trg: Free Run
PNO: Fast IFGain:Low #Atten: 36 dB

PASS

Ref Offset 7.3 dB Ref 30.00 dBm

Mkr1 2.620 01 GHz -28.340 dBm

10 dB/div Log

Trace 1 Pass

Center 2.62000 GHz Span 30.74 MHz
#Res BW 220 kHz #VBW 680 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.62000000 GHz

Start Freq
2.604630000 GHz

Stop Freq
2.635370000 GHz

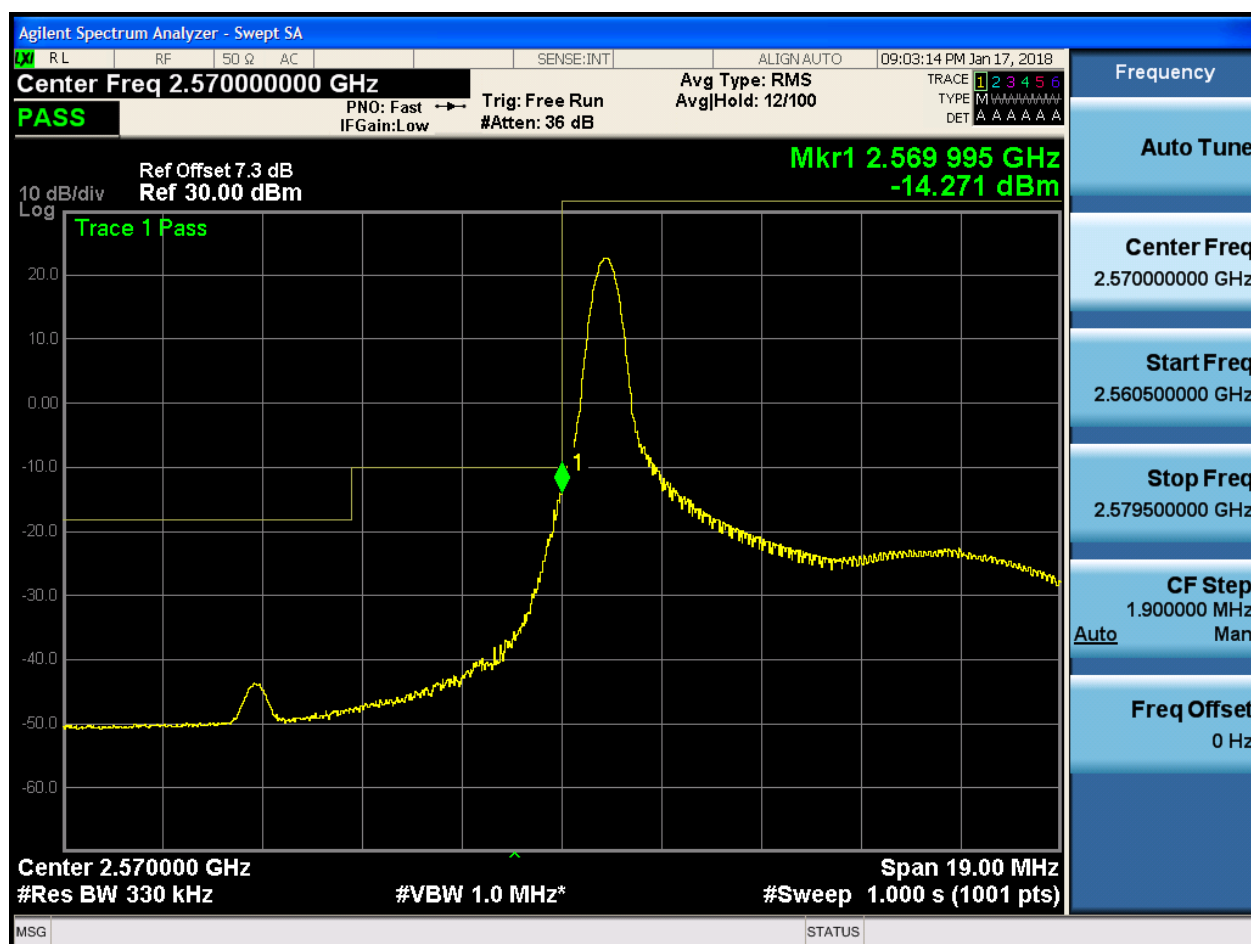
CF Step
3.074000 MHz
Auto Man

Freq Offset
0 Hz

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

