



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	21.86	19.86	33	PASS
				RB1#13	22.09	20.09	33	PASS
				RB1#24	21.75	19.75	33	PASS
				RB12#0	21.17	19.17	33	PASS
				RB12#6	21.25	19.25	33	PASS
				RB12#13	21.07	19.07	33	PASS
				RB25#0	21.1	19.1	33	PASS
			MCH	RB1#0	22.02	20.02	33	PASS
				RB1#13	22.14	20.14	33	PASS
				RB1#24	21.92	19.92	33	PASS
				RB12#0	21.39	19.39	33	PASS
				RB12#6	21.4	19.4	33	PASS
				RB12#13	21.22	19.22	33	PASS
				RB25#0	21.24	19.24	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.75	19.75	33	PASS
				RB1#13	21.85	19.85	33	PASS
				RB1#24	21.22	19.22	33	PASS
				RB12#0	21.04	19.04	33	PASS
				RB12#6	21.04	19.04	33	PASS
				RB12#13	20.7	18.7	33	PASS
				RB25#0	20.89	18.89	33	PASS
		10	LCH	RB1#0	21.53	19.53	33	PASS
				RB1#25	21.96	19.96	33	PASS
				RB1#49	21.62	19.62	33	PASS
				RB25#0	20.96	18.96	33	PASS
				RB25#13	20.99	18.99	33	PASS
				RB25#25	20.9	18.9	33	PASS
				RB50#0	20.92	18.92	33	PASS
			MCH	RB1#0	21.89	19.89	33	PASS
				RB1#25	22.1	20.1	33	PASS
				RB1#49	21.92	19.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.23	19.23	33	PASS
				RB25#13	21.24	19.24	33	PASS
				RB25#25	21.16	19.16	33	PASS
				RB50#0	21.09	19.09	33	PASS
			HCH	RB1#0	21.58	19.58	33	PASS
				RB1#25	21.84	19.84	33	PASS
				RB1#49	21.18	19.18	33	PASS
				RB25#0	20.87	18.87	33	PASS
				RB25#13	20.91	18.91	33	PASS
				RB25#25	20.76	18.76	33	PASS
				RB50#0	20.83	18.83	33	PASS
		15	LCH	RB1#0	21.35	19.35	33	PASS
				RB1#38	21.82	19.82	33	PASS
				RB1#74	21.42	19.42	33	PASS
				RB36#0	20.88	18.88	33	PASS
				RB36#18	20.91	18.91	33	PASS
				RB36#39	20.72	18.72	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB75#0	20.78	18.78	33	PASS
			MCH	RB1#0	21.56	19.56	33	PASS
				RB1#38	21.98	19.98	33	PASS
				RB1#74	21.62	19.62	33	PASS
				RB36#0	21.09	19.09	33	PASS
				RB36#18	21.18	19.18	33	PASS
				RB36#39	21.11	19.11	33	PASS
				RB75#0	20.93	18.93	33	PASS
			HCH	RB1#0	21.28	19.28	33	PASS
				RB1#38	21.64	19.64	33	PASS
				RB1#74	20.99	18.99	33	PASS
				RB36#0	20.7	18.7	33	PASS
				RB36#18	20.9	18.9	33	PASS
				RB36#39	20.73	18.73	33	PASS
				RB75#0	20.75	18.75	33	PASS
		20	LCH	RB1#0	21.36	19.36	33	PASS
				RB1#50	21.67	19.67	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	21.52	19.52	33	PASS
				RB50#0	20.83	18.83	33	PASS
				RB50#25	20.78	18.78	33	PASS
				RB50#50	20.85	18.85	33	PASS
				RB100#0	20.82	18.82	33	PASS
			MCH	RB1#0	21.56	19.56	33	PASS
				RB1#50	21.99	19.99	33	PASS
				RB1#99	21.63	19.63	33	PASS
				RB50#0	21.07	19.07	33	PASS
				RB50#25	21.1	19.1	33	PASS
				RB50#50	21.01	19.01	33	PASS
				RB100#0	21.06	19.06	33	PASS
			HCH	RB1#0	21.43	19.43	33	PASS
				RB1#50	21.77	19.77	33	PASS
				RB1#99	21.16	19.16	33	PASS
				RB50#0	20.63	18.63	33	PASS
				RB50#25	20.75	18.75	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	20.75	18.75	33	PASS
				RB100#0	20.62	18.62	33	PASS
	LTE/TM2	5	LCH	RB1#0	21.08	19.08	33	PASS
				RB1#13	21.44	19.44	33	PASS
				RB1#24	21.03	19.03	33	PASS
				RB12#0	20.55	18.19	33	PASS
				RB12#6	20.6	18.27	33	PASS
				RB12#13	20.43	18.43	33	PASS
				RB25#0	20.44	18.44	33	PASS
			MCH	RB1#0	21.44	19.44	33	PASS
				RB1#13	21.57	19.57	33	PASS
				RB1#24	21.33	19.33	33	PASS
				RB12#0	20.61	18.61	33	PASS
				RB12#6	20.64	18.64	33	PASS
				RB12#13	20.52	18.52	33	PASS
				RB25#0	20.56	18.56	33	PASS
			HCH	RB1#0	21.07	19.07	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	21.1	19.1	33	PASS
				RB1#24	20.5	18.5	33	PASS
				RB12#0	20.58	18.58	33	PASS
				RB12#6	20.56	18.56	33	PASS
				RB12#13	20.25	18.25	33	PASS
				RB25#0	20.37	18.37	33	PASS
		10	LCH	RB1#0	20.89	18.89	33	PASS
				RB1#25	21.18	19.18	33	PASS
				RB1#49	20.84	18.84	33	PASS
				RB25#0	20.39	18.39	33	PASS
				RB25#13	20.43	18.43	33	PASS
				RB25#25	20.34	18.34	33	PASS
				RB50#0	20.37	18.37	33	PASS
			MCH	RB1#0	21.03	19.03	33	PASS
				RB1#25	21.21	19.21	33	PASS
				RB1#49	21.07	19.07	33	PASS
				RB25#0	20.61	18.61	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.57	18.57	33	PASS
				RB25#25	20.65	18.65	33	PASS
				RB50#0	20.48	18.48	33	PASS
			HCH	RB1#0	21.15	19.15	33	PASS
				RB1#25	21.38	19.38	33	PASS
				RB1#49	20.7	18.7	33	PASS
				RB25#0	20.35	18.35	33	PASS
				RB25#13	20.44	18.44	33	PASS
				RB25#25	20.29	18.29	33	PASS
				RB50#0	20.39	18.39	33	PASS
		15	LCH	RB1#0	20.78	18.78	33	PASS
				RB1#38	21.14	19.14	33	PASS
				RB1#74	20.68	18.68	33	PASS
				RB36#0	20.36	18.36	33	PASS
				RB36#18	20.44	18.44	33	PASS
				RB36#39	20.3	18.3	33	PASS
				RB75#0	20.33	18.33	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	20.88	18.88	33	PASS
				RB1#38	21.32	19.32	33	PASS
				RB1#74	21.03	19.03	33	PASS
				RB36#0	20.5	18.5	33	PASS
				RB36#18	20.56	18.56	33	PASS
				RB36#39	20.63	18.63	33	PASS
				RB75#0	20.33	18.33	33	PASS
			HCH	RB1#0	20.75	18.75	33	PASS
				RB1#38	21.14	19.14	33	PASS
				RB1#74	20.49	18.49	33	PASS
				RB36#0	20.33	18.33	33	PASS
				RB36#18	20.48	18.48	33	PASS
				RB36#39	20.29	18.29	33	PASS
				RB75#0	20.26	18.26	33	PASS
		20	LCH	RB1#0	20.93	18.93	33	PASS
				RB1#50	21.17	19.17	33	PASS
				RB1#99	20.89	18.89	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.36	18.36	33	PASS
				RB50#25	20.39	18.39	33	PASS
				RB50#50	20.35	18.35	33	PASS
				RB100#0	20.36	18.36	33	PASS
			MCH	RB1#0	20.96	18.96	33	PASS
				RB1#50	21.4	19.4	33	PASS
				RB1#99	21.06	19.06	33	PASS
				RB50#0	20.45	18.45	33	PASS
				RB50#25	20.5	18.5	33	PASS
				RB50#50	20.55	18.55	33	PASS
				RB100#0	20.54	18.54	33	PASS
			HCH	RB1#0	21.08	19.08	33	PASS
				RB1#50	21.41	19.41	33	PASS
				RB1#99	20.84	18.84	33	PASS
				RB50#0	20.21	18.21	33	PASS
				RB50#25	20.32	18.32	33	PASS
				RB50#50	20.27	18.27	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	20.14	18.14	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:

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

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

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

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	3.66	13	PASS
				RB1#13	3.23	13	PASS
				RB1#24	3.57	13	PASS
				RB12#0	4.25	13	PASS
				RB12#6	4.16	13	PASS
				RB12#13	4.39	13	PASS
				RB25#0	4.76	13	PASS
			MCH	RB1#0	2.72	13	PASS
				RB1#13	2.72	13	PASS
				RB1#24	2.97	13	PASS
				RB12#0	3.73	13	PASS
				RB12#6	3.86	13	PASS
				RB12#13	3.97	13	PASS
				RB25#0	4.47	13	PASS
			HCH	RB1#0	3.55	13	PASS
				RB1#13	3.32	13	PASS
				RB1#24	3.72	13	PASS
				RB12#0	4.27	13	PASS
				RB12#6	4.23	13	PASS
				RB12#13	4.51	13	PASS
				RB25#0	5.02	13	PASS
		10	LCH	RB1#0	3.57	13	PASS
				RB1#25	3.29	13	PASS
				RB1#49	3.5	13	PASS
				RB25#0	4.33	13	PASS
				RB25#13	4.43	13	PASS
				RB25#25	4.5	13	PASS
				RB50#0	4.98	13	PASS
			MCH	RB1#0	2.89	13	PASS
				RB1#25	2.8	13	PASS
				RB1#49	3.43	13	PASS
				RB25#0	3.88	13	PASS
				RB25#13	3.87	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	4.19	13	PASS
				RB50#0	4.86	13	PASS
			HCH	RB1#0	3.5	13	PASS
				RB1#25	3.15	13	PASS
				RB1#49	3.7	13	PASS
				RB25#0	4.42	13	PASS
				RB25#13	4.35	13	PASS
				RB25#25	4.46	13	PASS
				RB50#0	4.92	13	PASS
			LCH	RB1#0	3.57	13	PASS
				RB1#38	3.25	13	PASS
				RB1#74	3.6	13	PASS
				RB36#0	4.47	13	PASS
				RB36#18	4.42	13	PASS
				RB36#39	4.61	13	PASS
				RB75#0	5.23	13	PASS
		15	MCH	RB1#0	3.37	13	PASS
				RB1#38	2.76	13	PASS
				RB1#74	3.82	13	PASS
				RB36#0	3.96	13	PASS
				RB36#18	4.03	13	PASS
				RB36#39	4.27	13	PASS
				RB75#0	4.96	13	PASS
			HCH	RB1#0	4.01	13	PASS
				RB1#38	3.3	13	PASS
				RB1#74	3.86	13	PASS
				RB36#0	4.68	13	PASS
				RB36#18	4.43	13	PASS
				RB36#39	4.47	13	PASS
				RB75#0	5.24	13	PASS
		20	LCH	RB1#0	3.62	13	PASS
				RB1#50	3.36	13	PASS
				RB1#99	3.32	13	PASS
				RB50#0	4.53	13	PASS
				RB50#25	4.47	13	PASS
				RB50#50	4.59	13	PASS
				RB100#0	5.45	13	PASS
			MCH	RB1#0	3.53	13	PASS
				RB1#50	2.62	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	3.86	13	PASS
				RB50#0	3.99	13	PASS
				RB50#25	4.08	13	PASS
				RB50#50	4.4	13	PASS
				RB100#0	5.06	13	PASS
			HCH	RB1#0	4.19	13	PASS
				RB1#50	3.47	13	PASS
				RB1#99	3.93	13	PASS
				RB50#0	4.82	13	PASS
				RB50#25	4.62	13	PASS
				RB50#50	4.62	13	PASS
				RB100#0	5.54	13	PASS
	LTE/TM2	5	LCH	RB1#0	3.79	13	PASS
				RB1#13	3.48	13	PASS
				RB1#24	3.83	13	PASS
				RB12#0	4.56	13	PASS
				RB12#6	4.57	13	PASS
				RB12#13	4.68	13	PASS
				RB25#0	5.45	13	PASS
			MCH	RB1#0	3.91	13	PASS
				RB1#13	3.35	13	PASS
				RB1#24	3.73	13	PASS
				RB12#0	4.31	13	PASS
				RB12#6	4.31	13	PASS
				RB12#13	4.39	13	PASS
				RB25#0	5.04	13	PASS
			HCH	RB1#0	3.77	13	PASS
				RB1#13	3.79	13	PASS
				RB1#24	3.86	13	PASS
				RB12#0	4.6	13	PASS
				RB12#6	4.52	13	PASS
				RB12#13	4.71	13	PASS
				RB25#0	5.09	13	PASS
		10	LCH	RB1#0	3.94	13	PASS
				RB1#25	3.68	13	PASS
				RB1#49	4.19	13	PASS
				RB25#0	4.76	13	PASS
				RB25#13	4.77	13	PASS
				RB25#25	4.88	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB50#0	5.48	13	PASS
				RB1#0	3.57	13	PASS
				RB1#25	3.3	13	PASS
				RB1#49	4.31	13	PASS
				RB25#0	4.4	13	PASS
				RB25#13	4.38	13	PASS
				RB25#25	4.57	13	PASS
				RB50#0	5.33	13	PASS
			HCH	RB1#0	4.28	13	PASS
				RB1#25	3.7	13	PASS
				RB1#49	4.25	13	PASS
				RB25#0	4.77	13	PASS
				RB25#13	4.65	13	PASS
				RB25#25	4.76	13	PASS
				RB50#0	5.55	13	PASS
		15	LCH	RB1#0	4.42	13	PASS
				RB1#38	3.75	13	PASS
				RB1#74	4.17	13	PASS
				RB36#0	4.81	13	PASS
				RB36#18	4.8	13	PASS
				RB36#39	4.9	13	PASS
				RB75#0	5.57	13	PASS
			MCH	RB1#0	4.2	13	PASS
				RB1#38	3.52	13	PASS
				RB1#74	4.17	13	PASS
				RB36#0	4.4	13	PASS
				RB36#18	4.43	13	PASS
				RB36#39	4.6	13	PASS
				RB75#0	5.43	13	PASS
			HCH	RB1#0	5.17	13	PASS
				RB1#38	4.06	13	PASS
				RB1#74	4.65	13	PASS
				RB36#0	4.89	13	PASS
				RB36#18	4.75	13	PASS
				RB36#39	4.82	13	PASS
				RB75#0	5.67	13	PASS
		20	LCH	RB1#0	4.5	13	PASS
				RB1#50	3.79	13	PASS
				RB1#99	4.25	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	4.84	13	PASS
				RB50#25	4.86	13	PASS
				RB50#50	4.9	13	PASS
				RB100#0	5.67	13	PASS
			MCH	RB1#0	3.68	13	PASS
				RB1#50	3.51	13	PASS
				RB1#99	4.16	13	PASS
				RB50#0	4.38	13	PASS
				RB50#25	4.51	13	PASS
				RB50#50	4.75	13	PASS
				RB100#0	5.24	13	PASS
			HCH	RB1#0	4.17	13	PASS
				RB1#50	3.92	13	PASS
				RB1#99	4.07	13	PASS
				RB50#0	5.1	13	PASS
				RB50#25	4.92	13	PASS
				RB50#50	4.92	13	PASS
				RB100#0	5.63	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

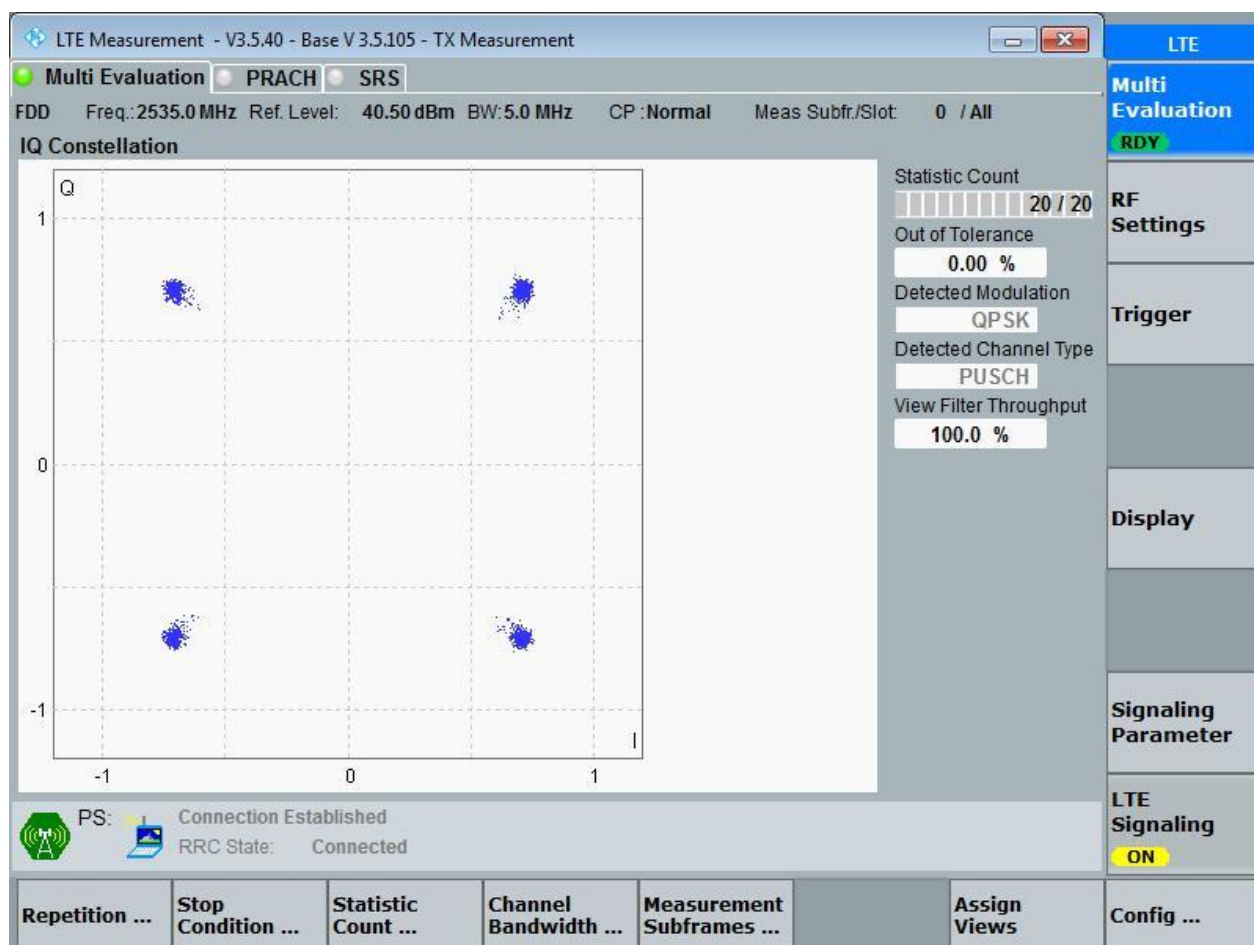
3.1.1 Test Band = BAND7

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

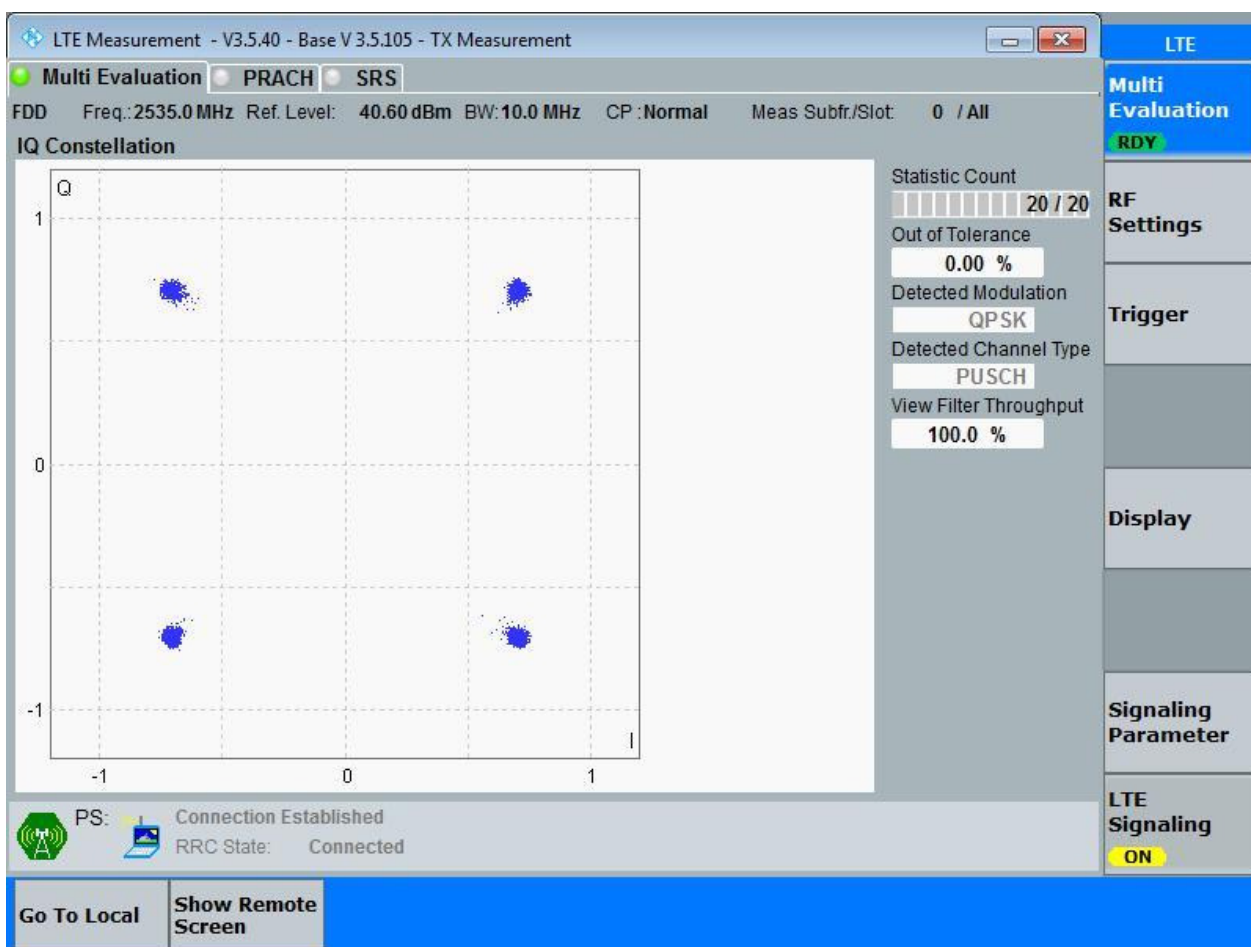
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

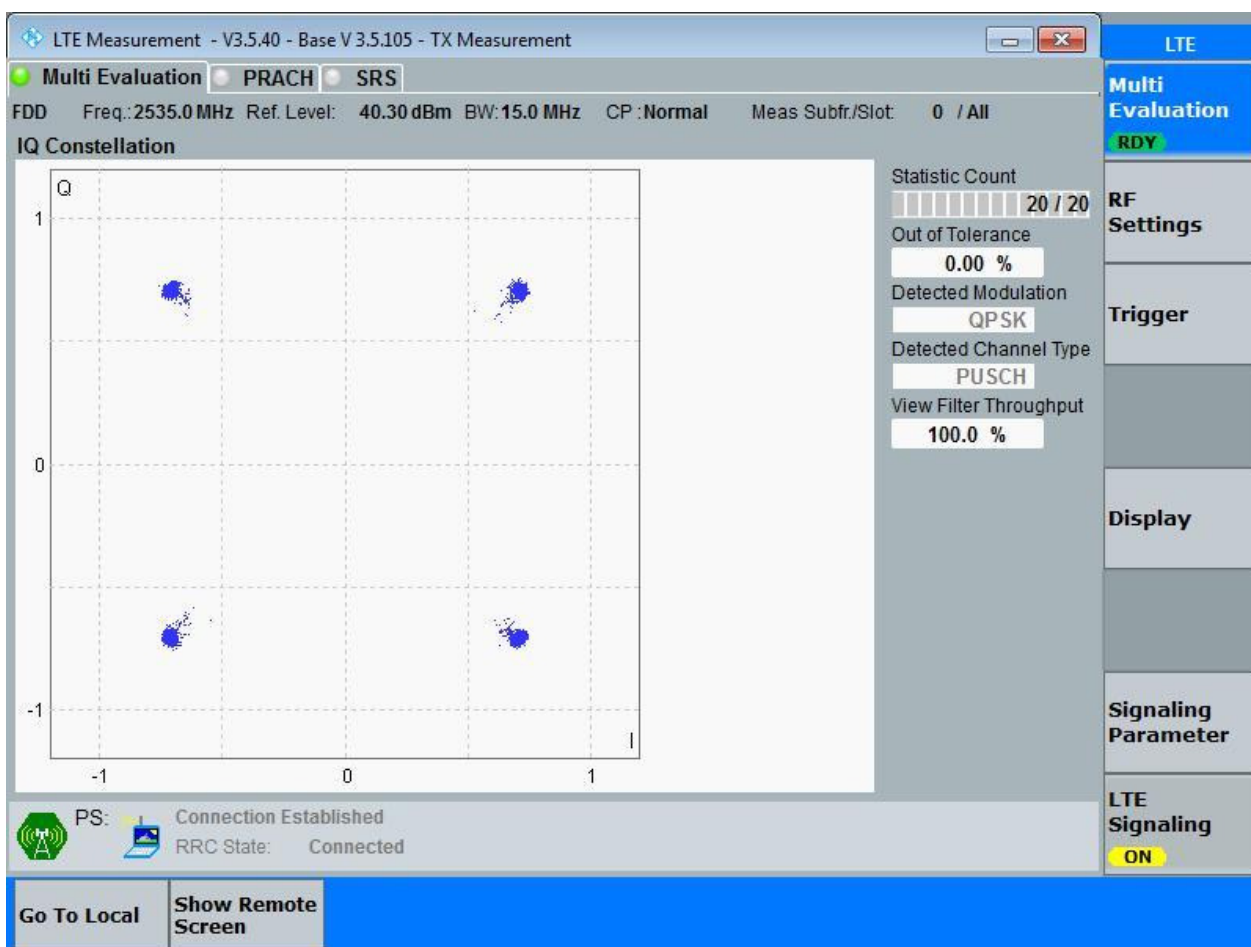
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

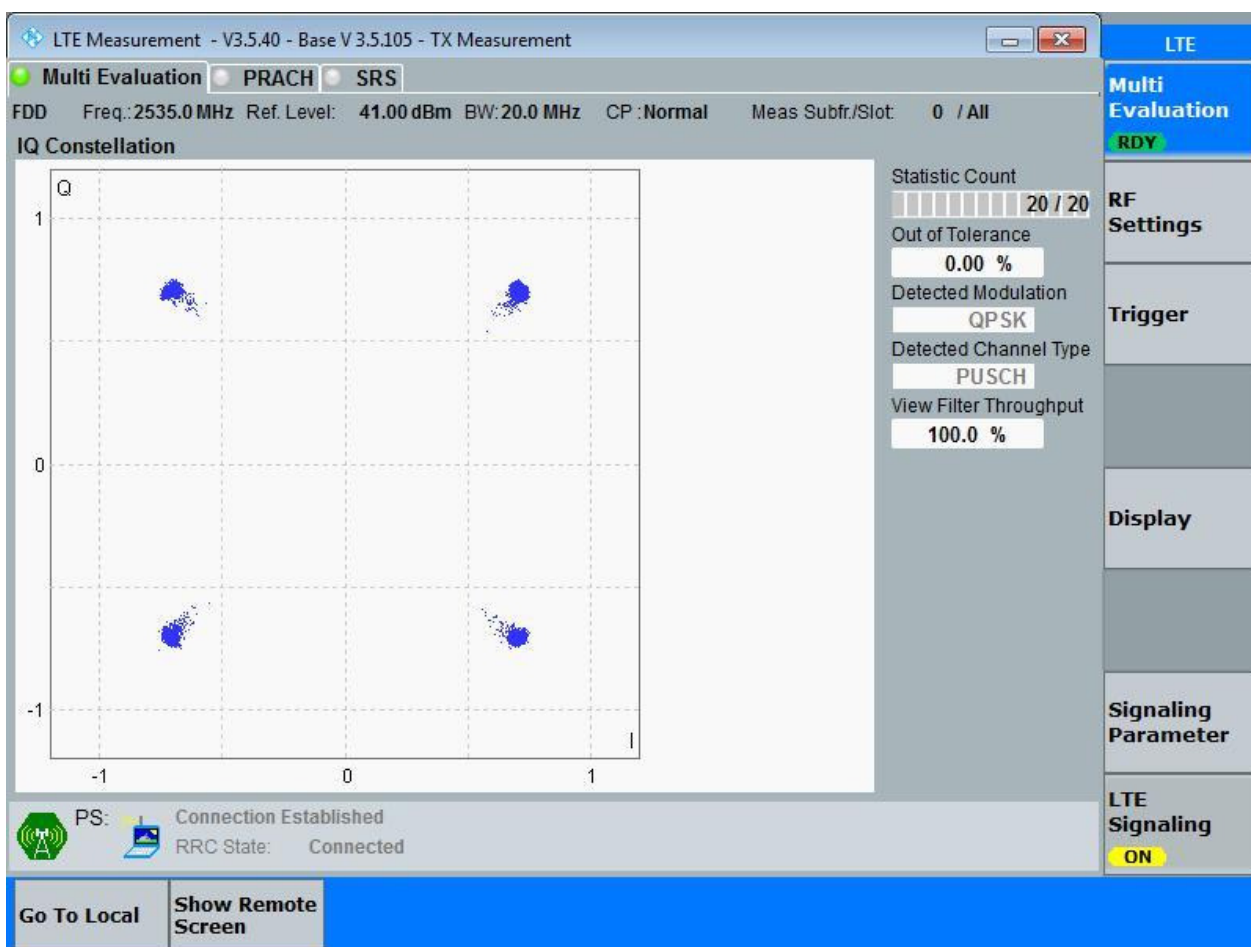
3.1.1.1.3.1.1 Test RB = RB75#0



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

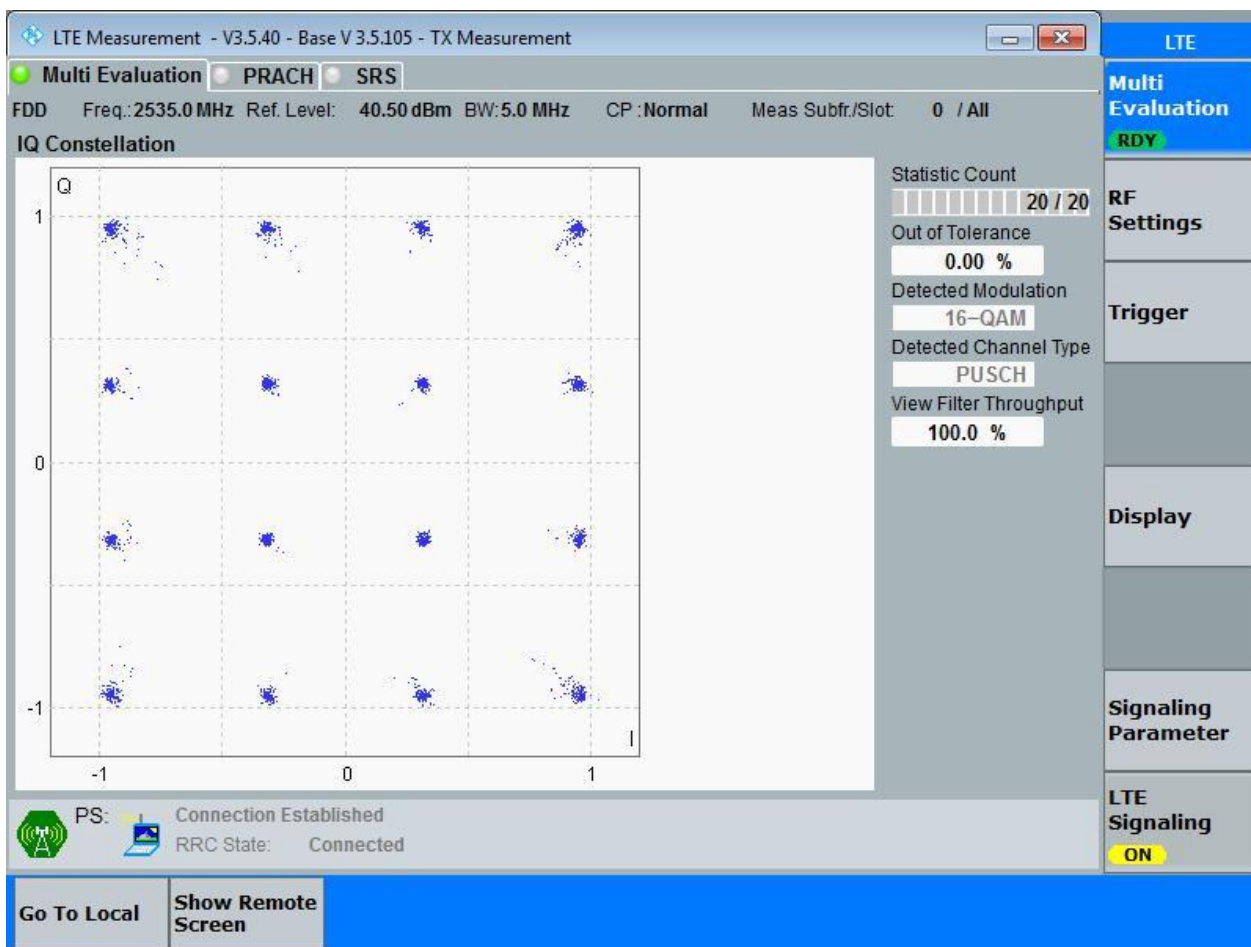


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

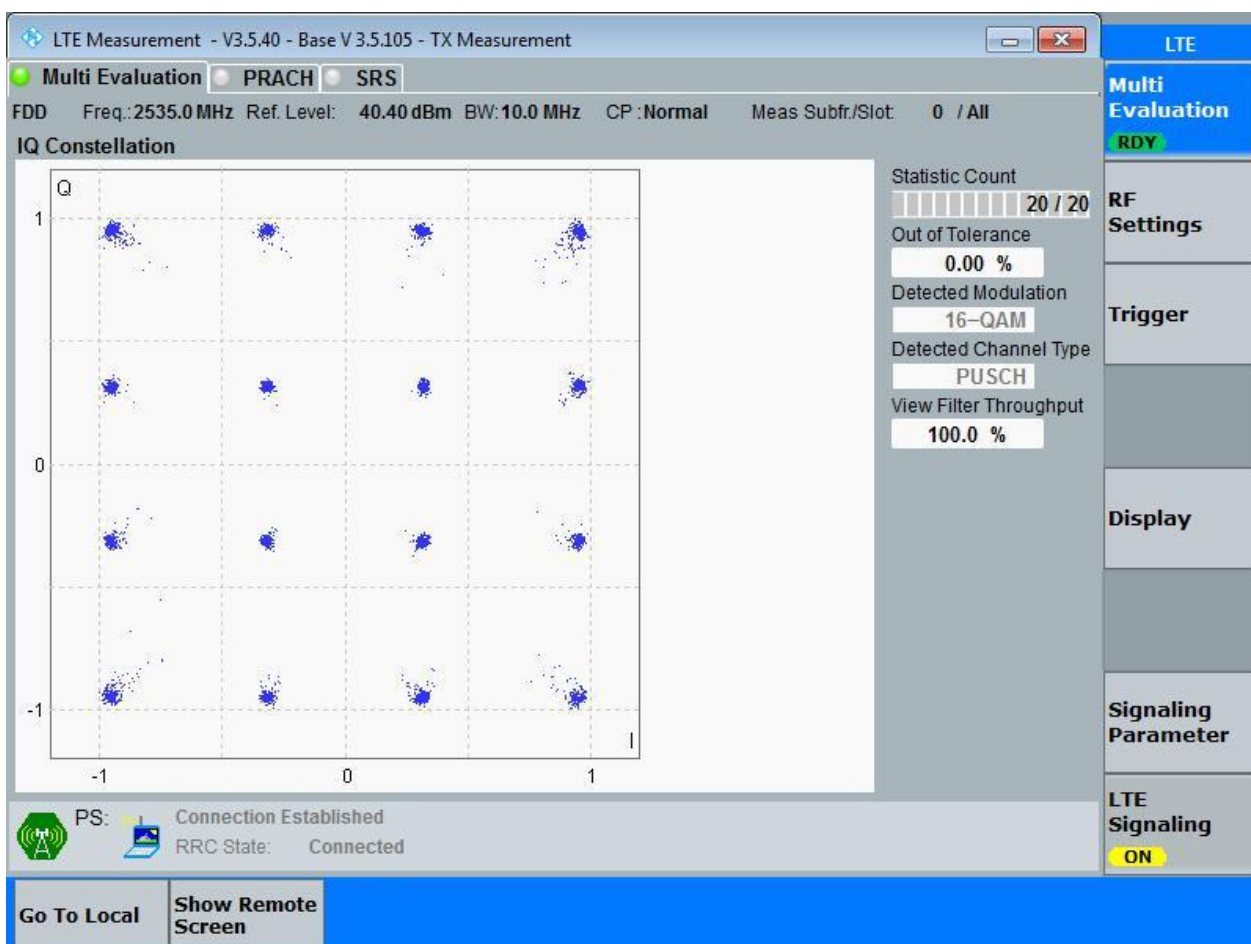
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

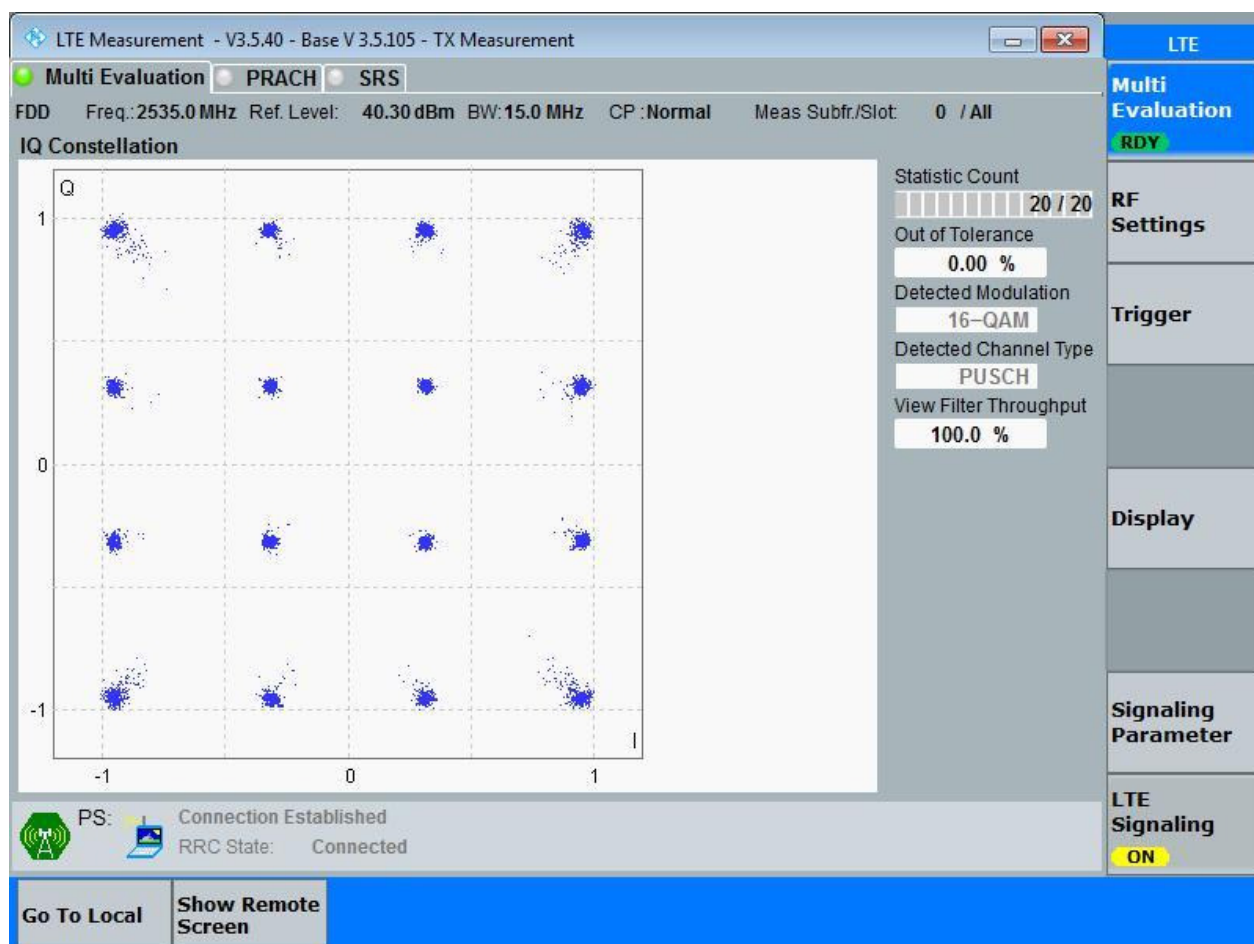
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

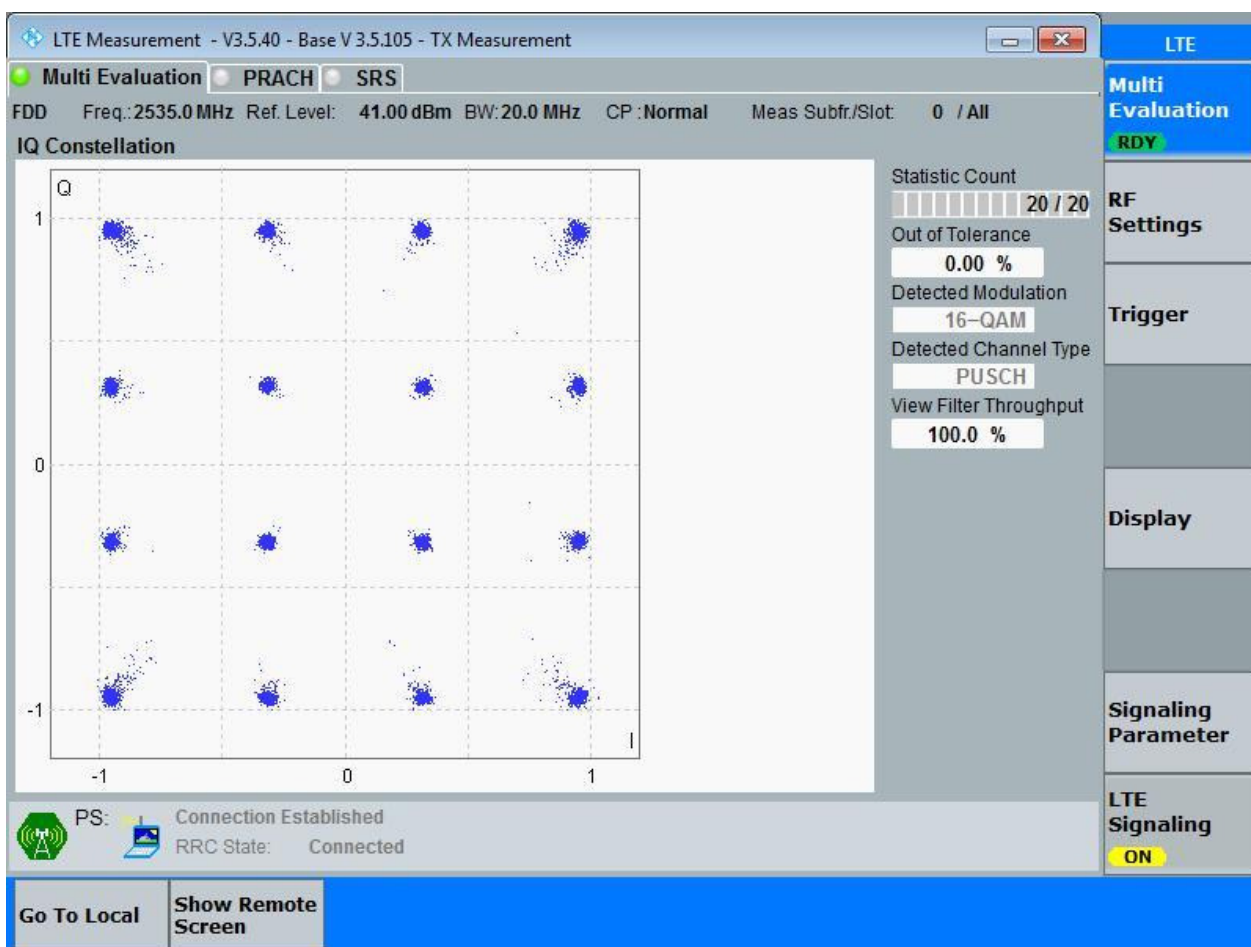
3.1.1.2.3.1.1 Test RB = RB75#0



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	5.00	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.51	4.98	Pass
		10	LCH	RB50#0	9.01	9.89	Pass
			MCH	RB50#0	9.00	9.95	Pass
			HCH	RB50#0	8.98	9.97	Pass
		15	LCH	RB75#0	13.50	15.01	Pass
			MCH	RB75#0	13.47	15.01	Pass
			HCH	RB75#0	13.48	15.25	Pass
		20	LCH	RB100#0	18.01	19.94	Pass
			MCH	RB100#0	17.96	20.18	Pass
			HCH	RB100#0	18.02	20.35	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	5.01	Pass
			MCH	RB25#0	4.53	5.30	Pass
			HCH	RB25#0	4.52	5.13	Pass
		10	LCH	RB50#0	9.01	9.95	Pass
			MCH	RB50#0	9.00	9.97	Pass
			HCH	RB50#0	8.99	10.15	Pass
		15	LCH	RB75#0	13.50	15.10	Pass
			MCH	RB75#0	13.49	15.25	Pass
			HCH	RB75#0	13.51	16.01	Pass
		20	LCH	RB100#0	18.01	20.35	Pass
			MCH	RB100#0	17.99	20.60	Pass
			HCH	RB100#0	18.06	21.20	Pass



Part II - Test Plots

4.1 For LTE

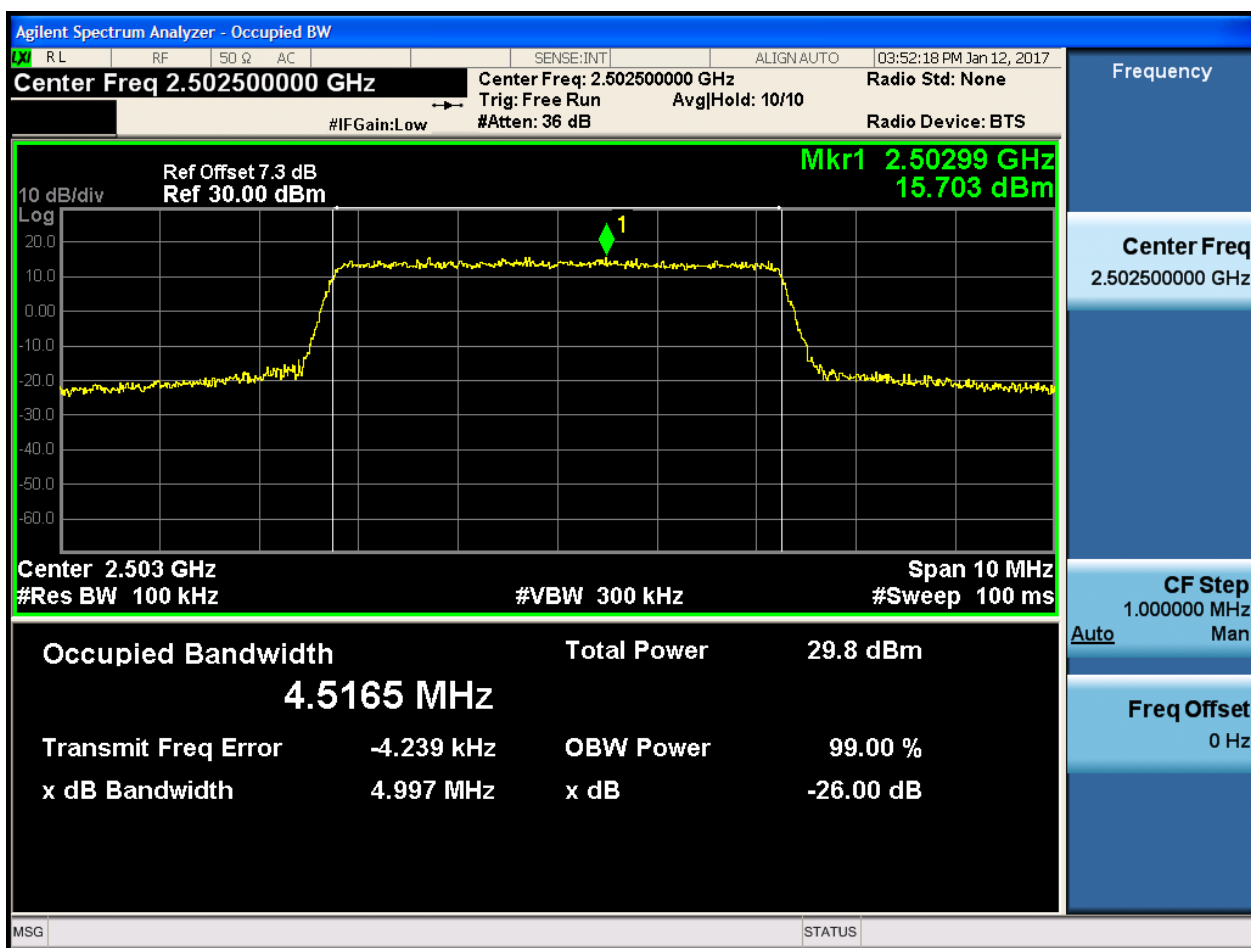
4.1.1 Test Band = BAND7

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

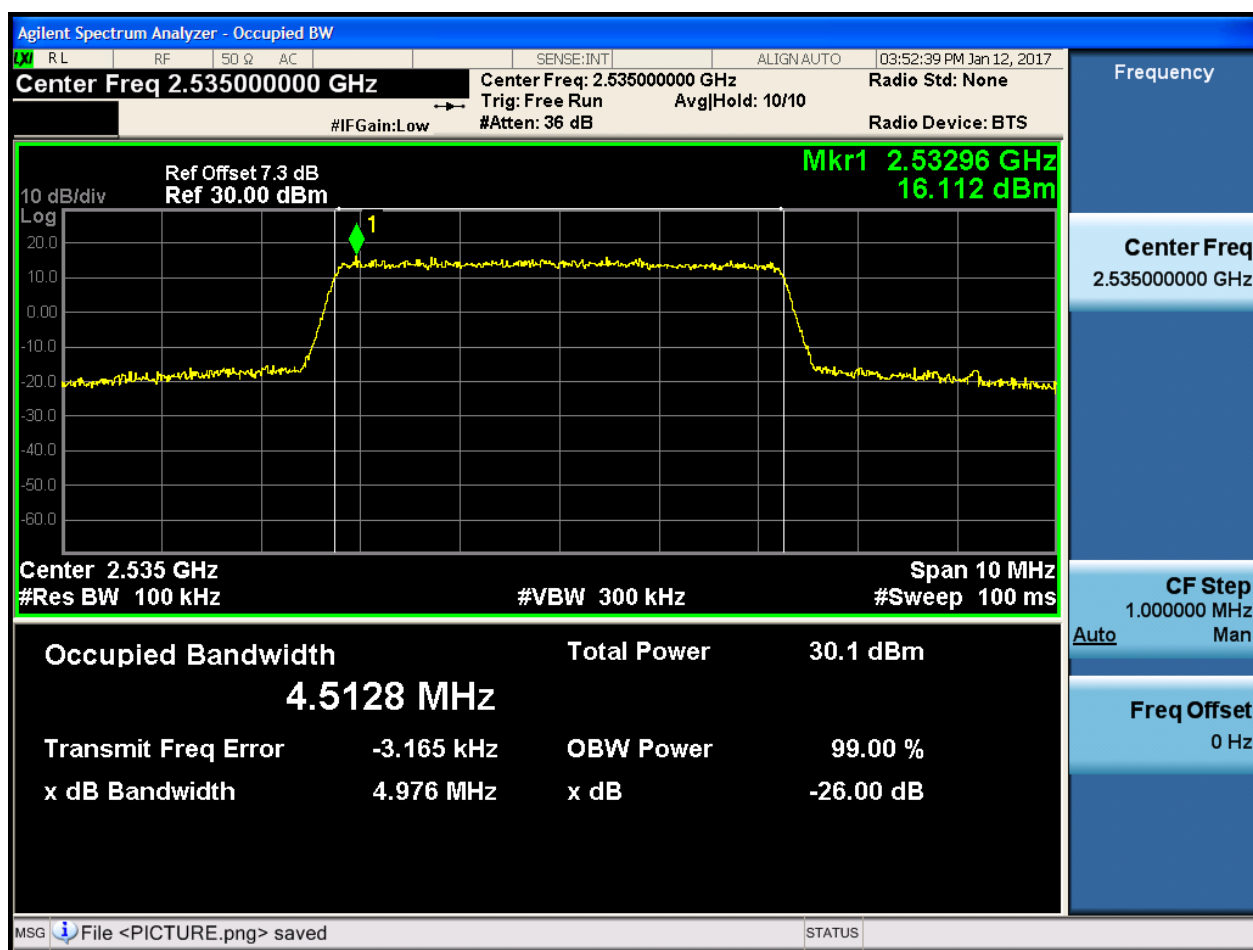
4.1.1.1.1.1.1 Test RB = RB25#0





1.1.1.1.1.2 Test Channel = MCH

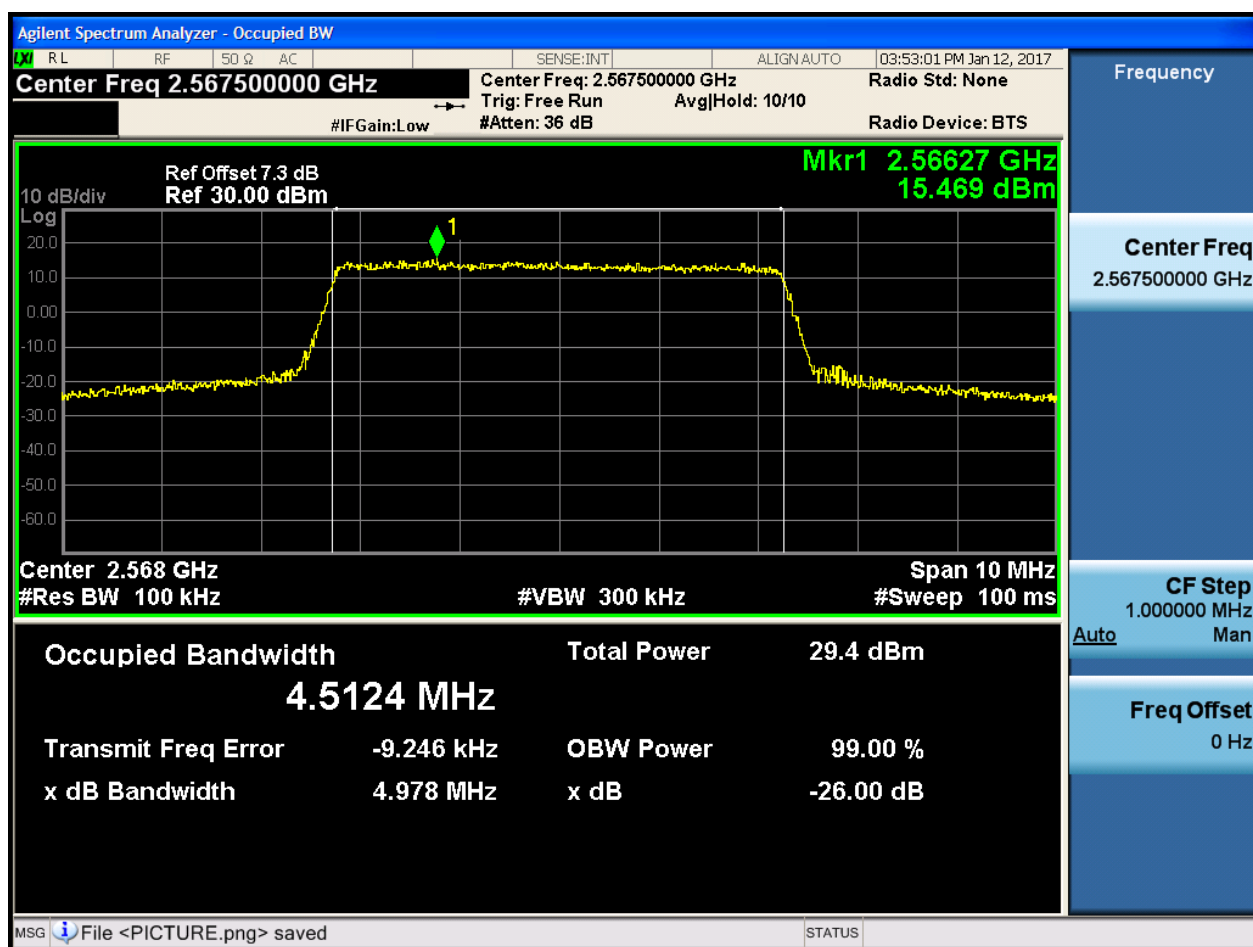
1.1.1.1.1.2.1 Test RB = RB25#0





1.1.1.1.1.3 Test Channel = HCH

1.1.1.1.1.3.1 Test RB = RB25#0

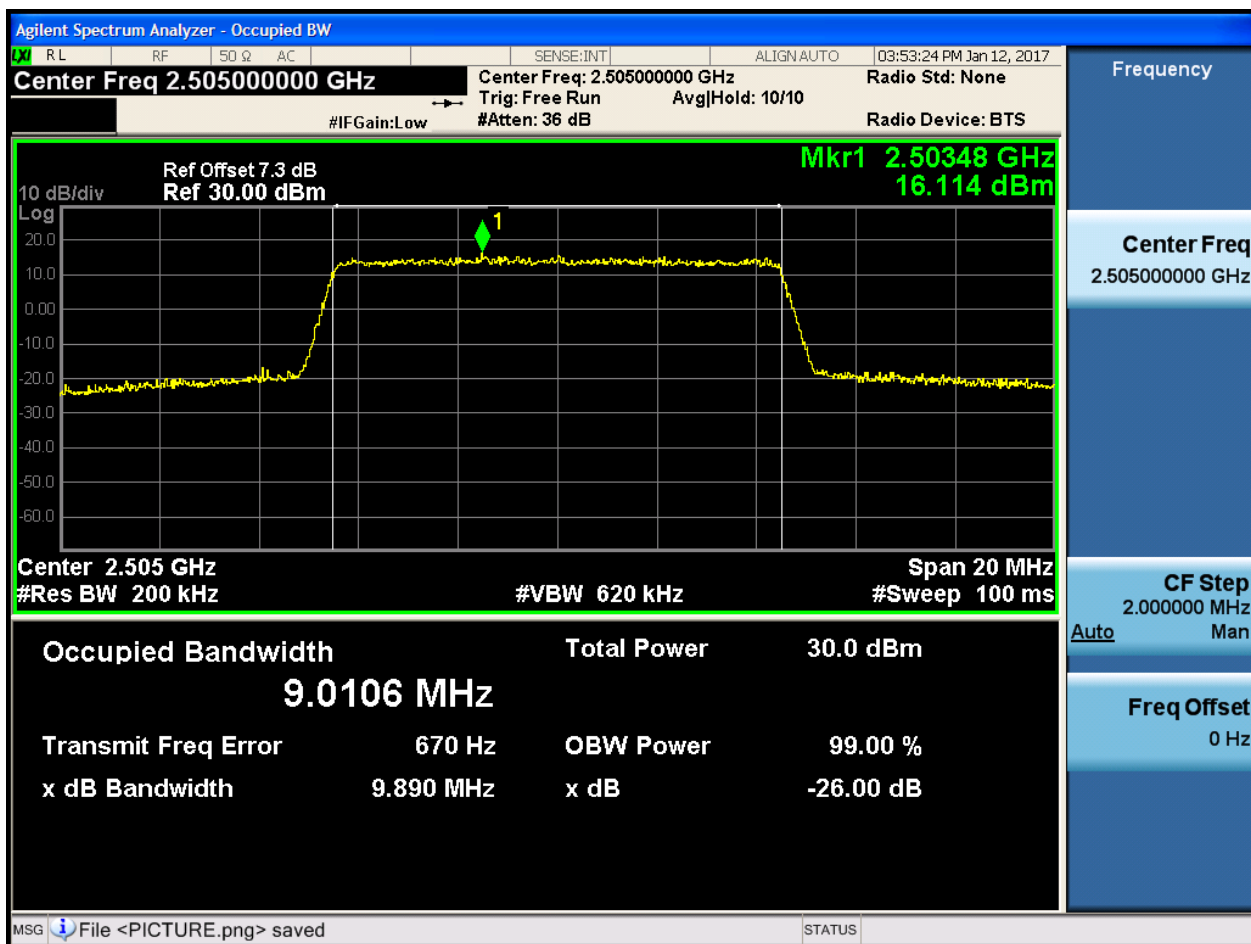




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

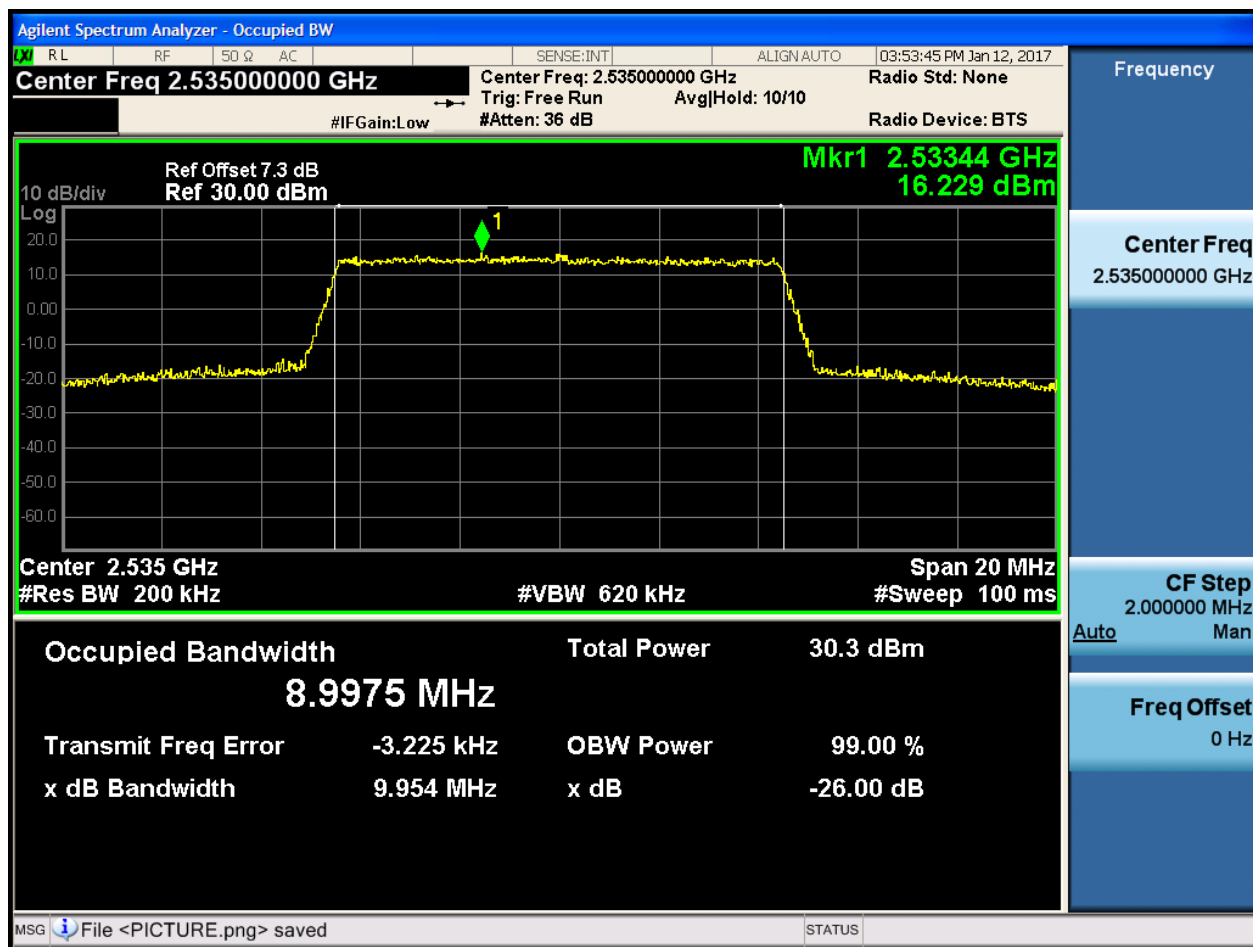
4.1.1.1.2.1.1 Test RB = RB50#0





1.1.1.1.2.2 Test Channel = MCH

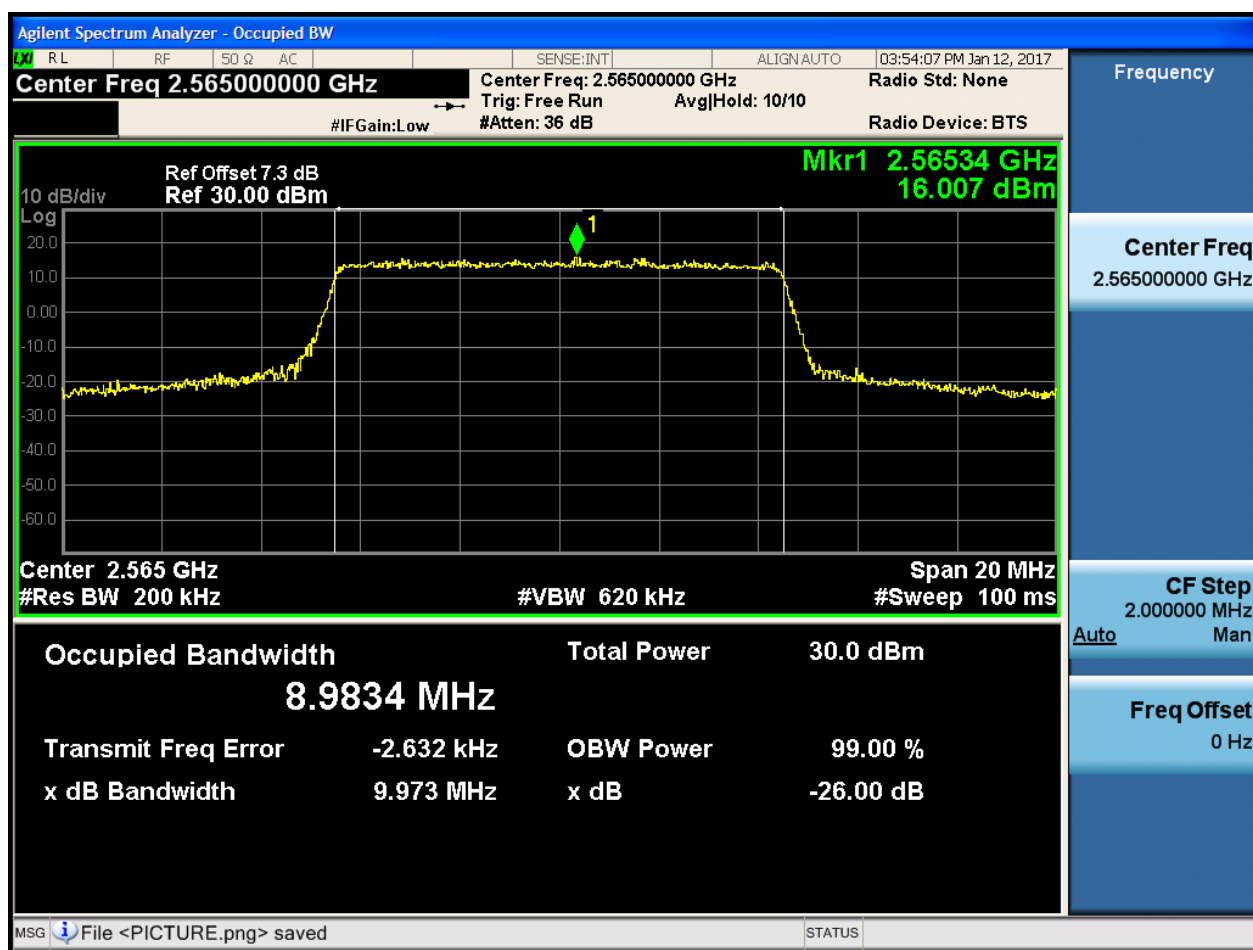
1.1.1.1.2.2.1 Test RB = RB50#0





1.1.1.1.2.3 Test Channel = HCH

1.1.1.1.2.3.1 Test RB = RB50#0

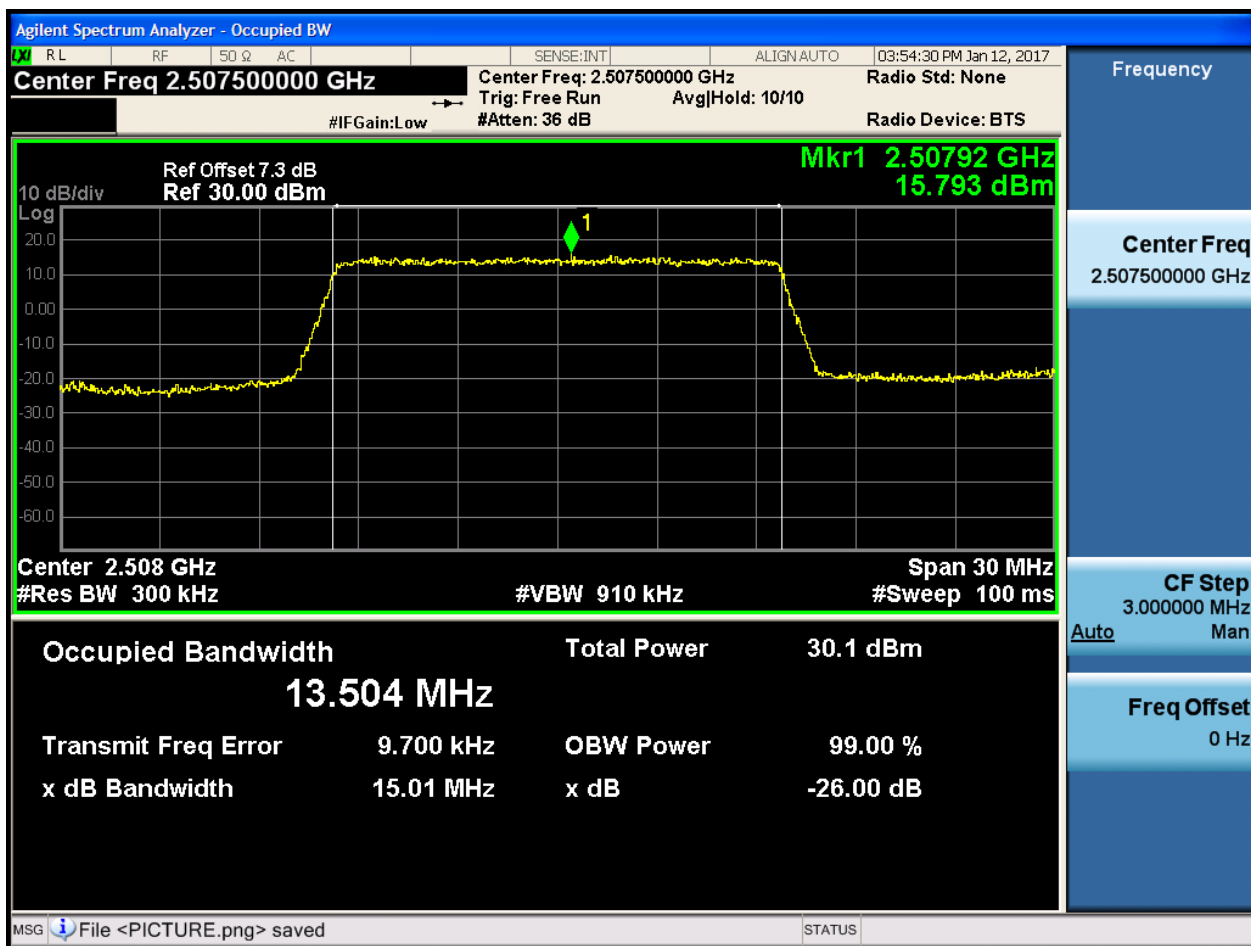




4.1.1.1.3 Test Bandwidth = 15

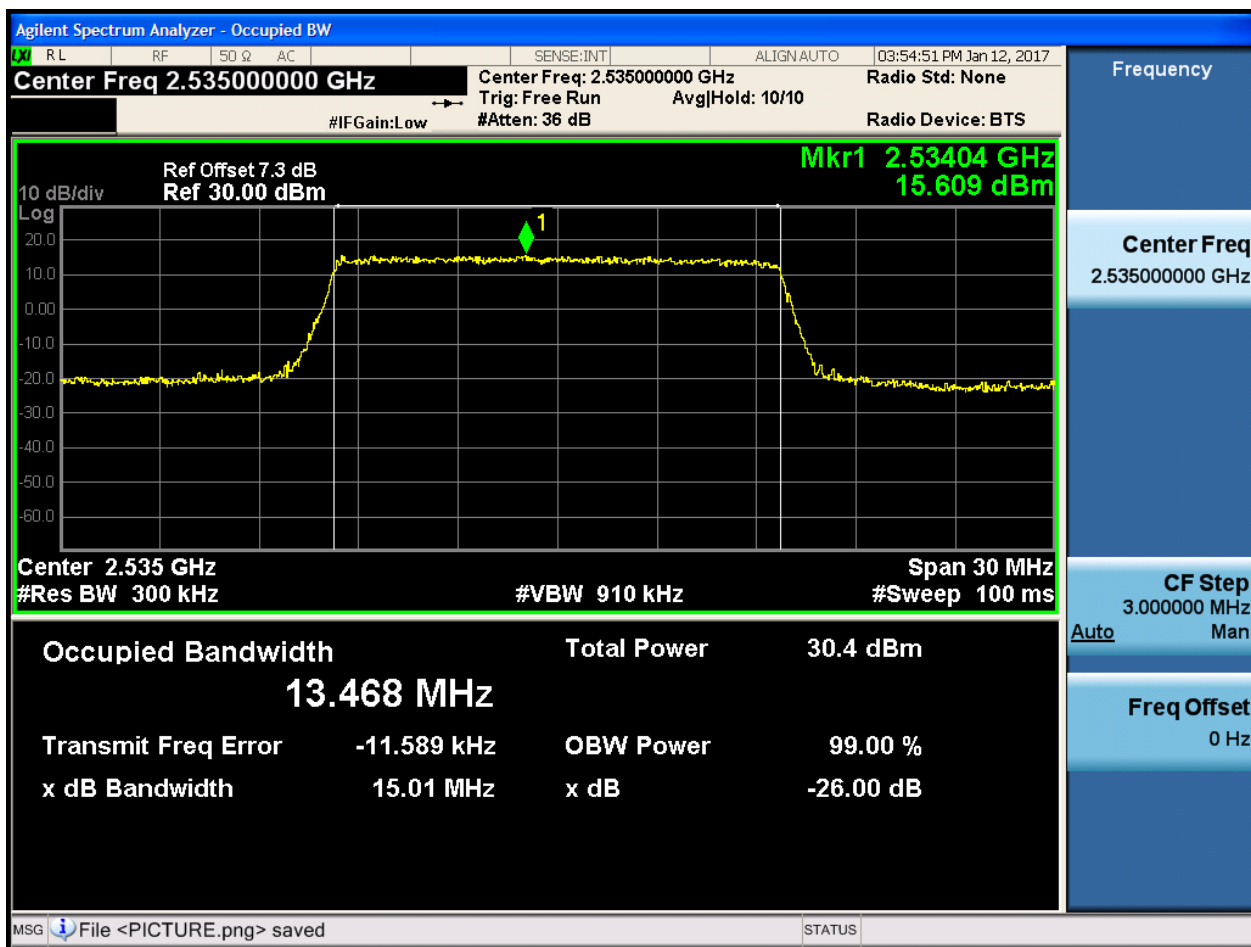
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB75#0



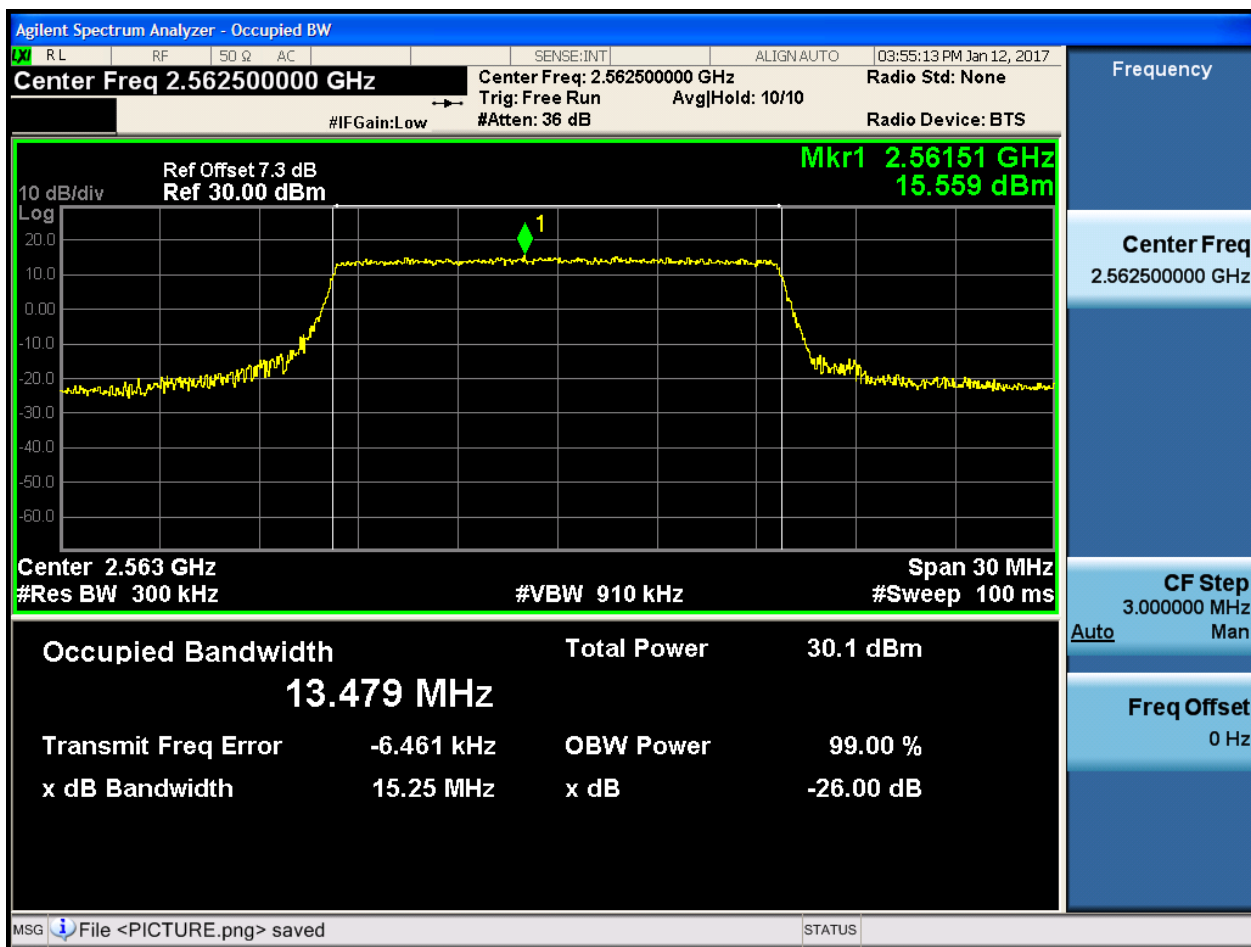
4.1.1.1.3.2 Test Channel = MCH

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

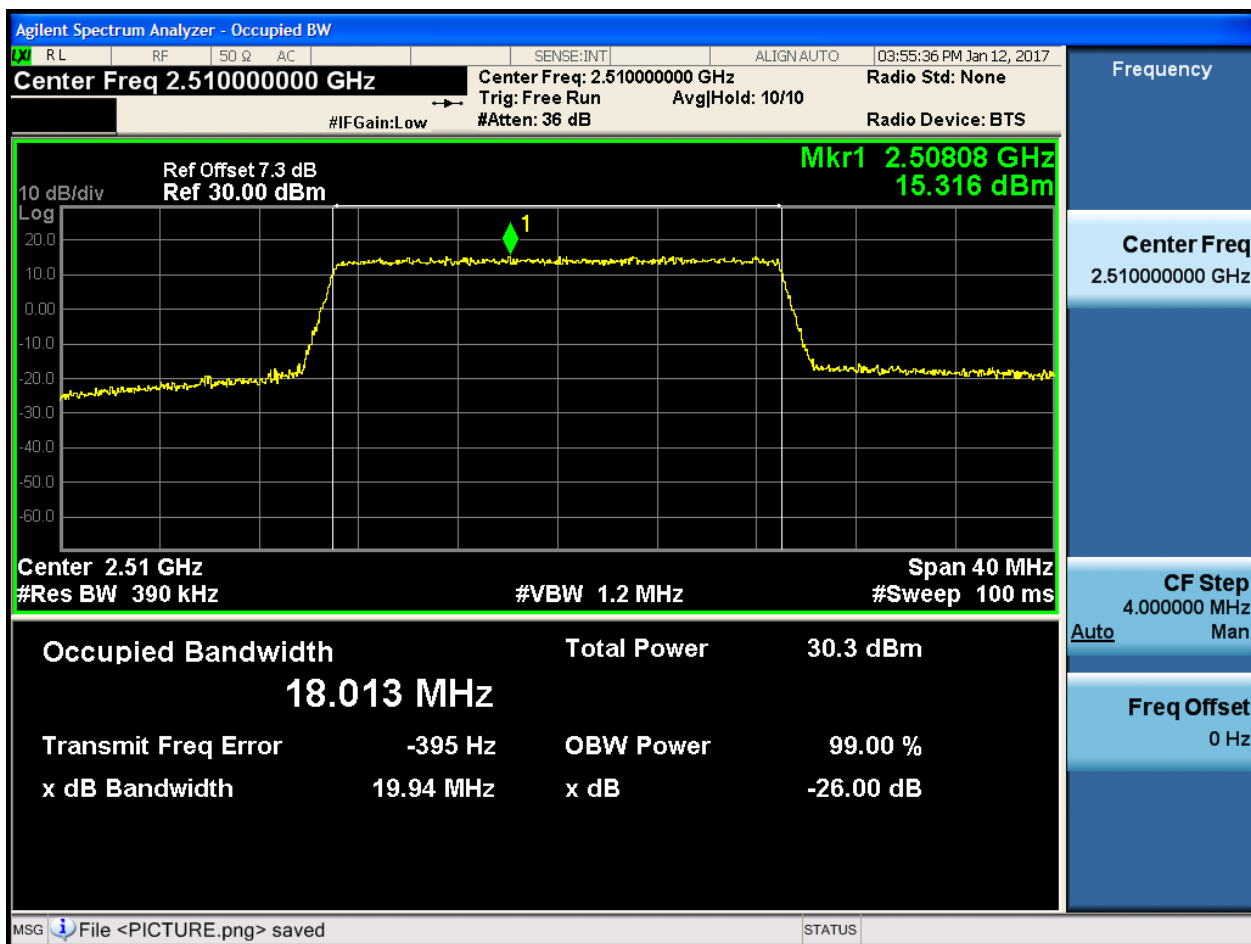




4.1.1.1.4 Test Bandwidth = 20

4.1.1.1.4.1 Test Channel = LCH

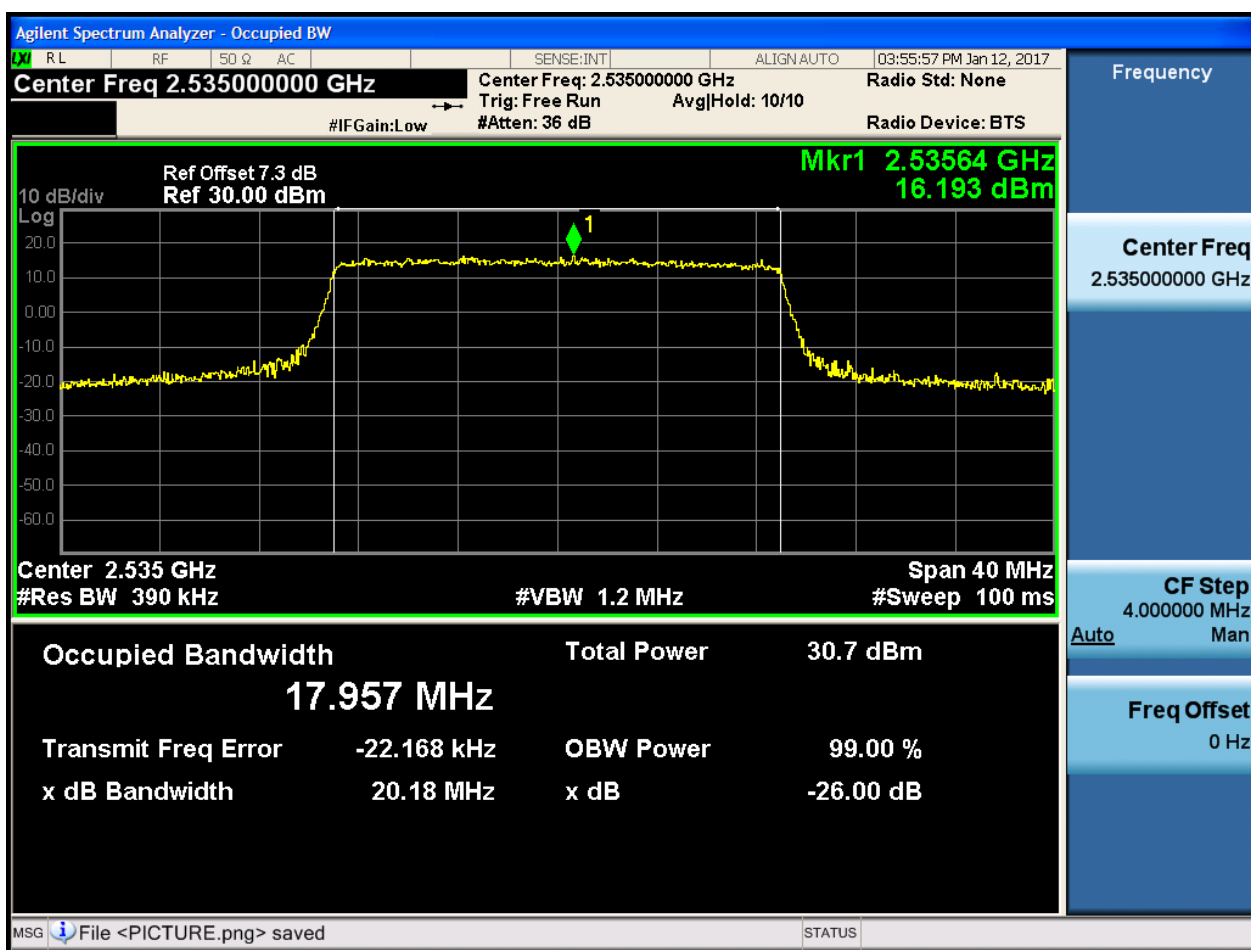
4.1.1.1.4.1.1 Test RB = RB100#0





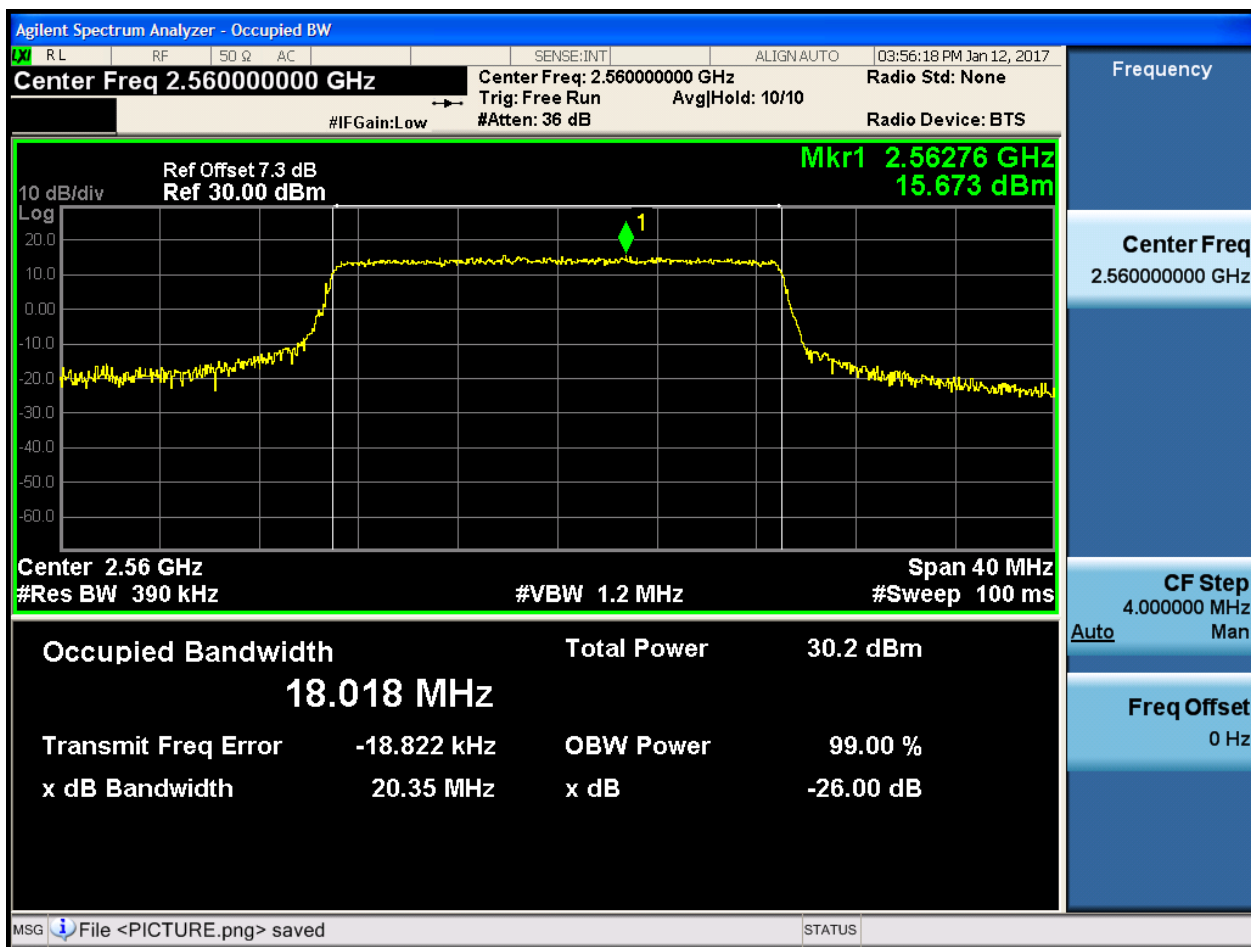
4.1.1.1.4.2 Test Channel = MCH

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



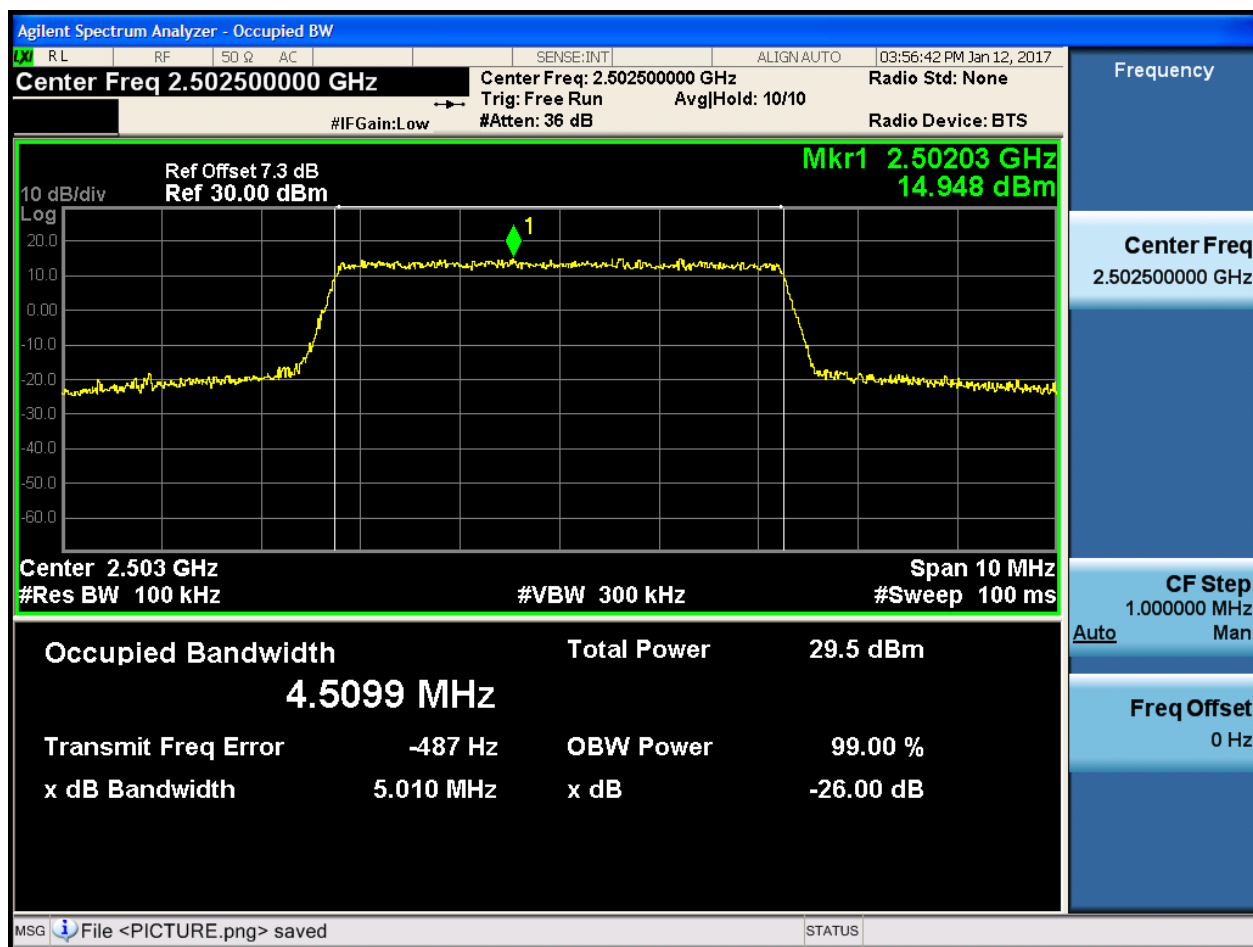


1.1.1.2 Test Mode = LTE/TM2

1.1.1.2.1 Test Bandwidth = 5

1.1.1.2.1.1 Test Channel = LCH

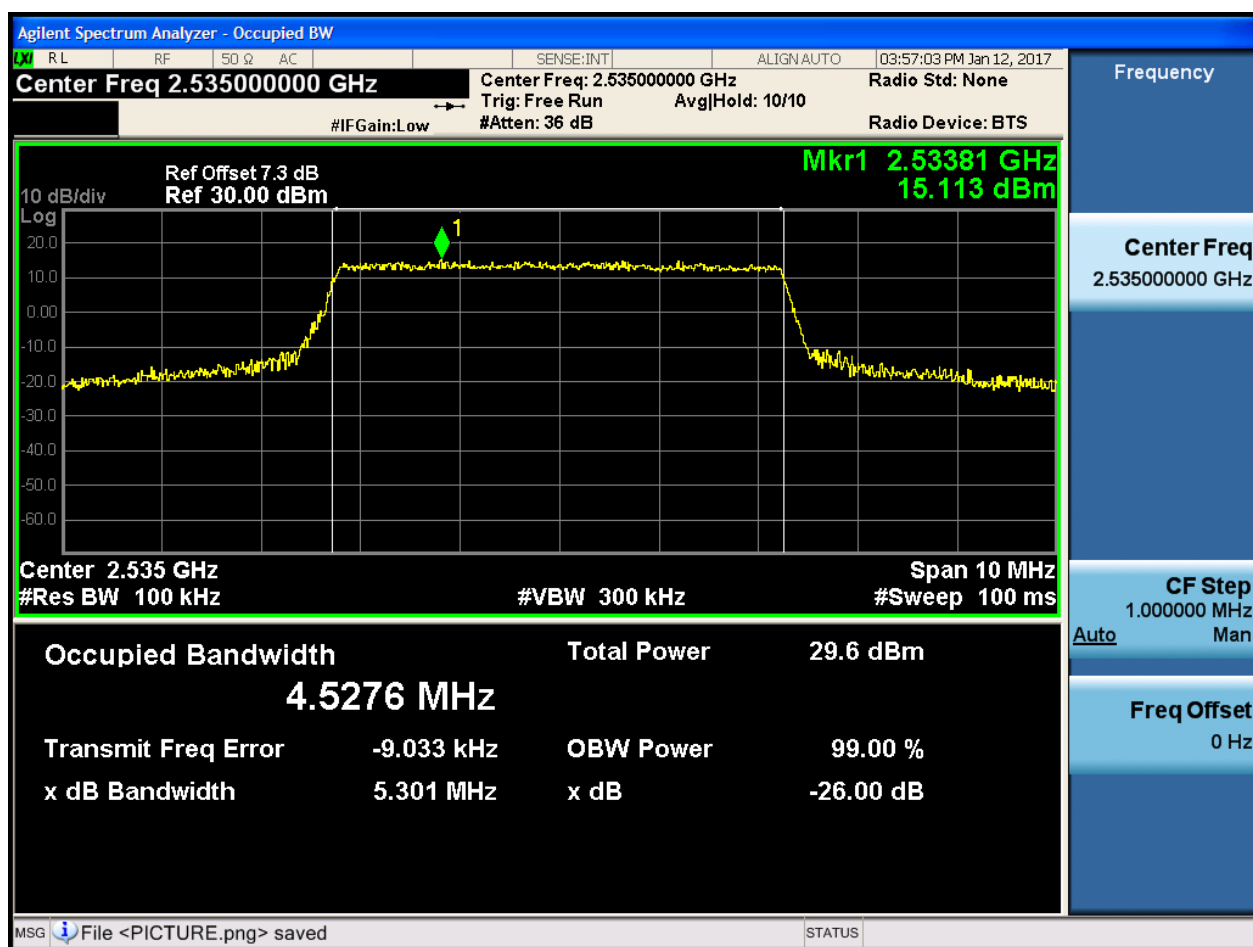
1.1.1.2.1.1.1 Test RB = RB25#0





1.1.1.2.1.2 Test Channel = MCH

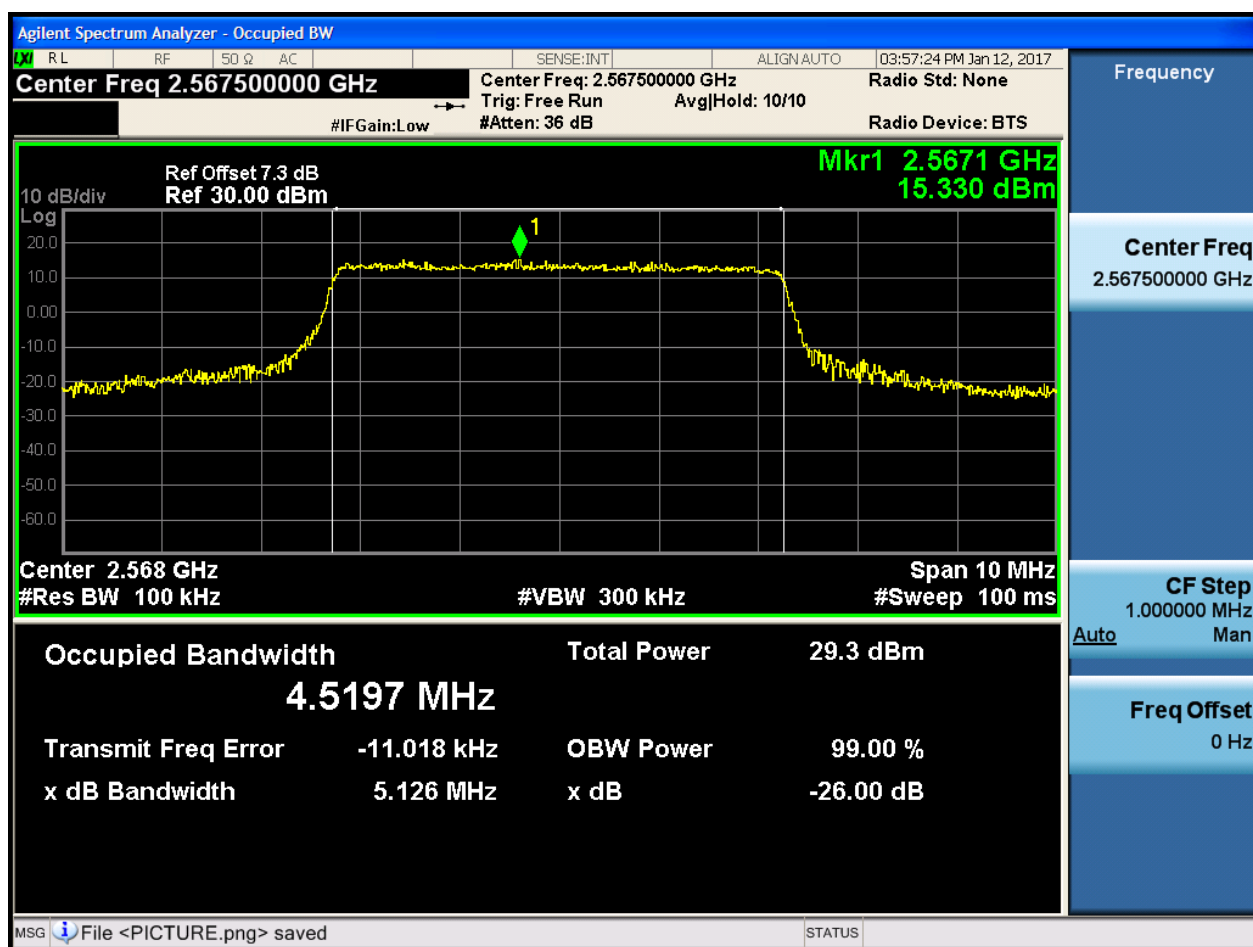
1.1.1.2.1.2.1 Test RB = RB25#0





1.1.1.2.1.3 Test Channel = HCH

1.1.1.2.1.3.1 Test RB = RB25#0

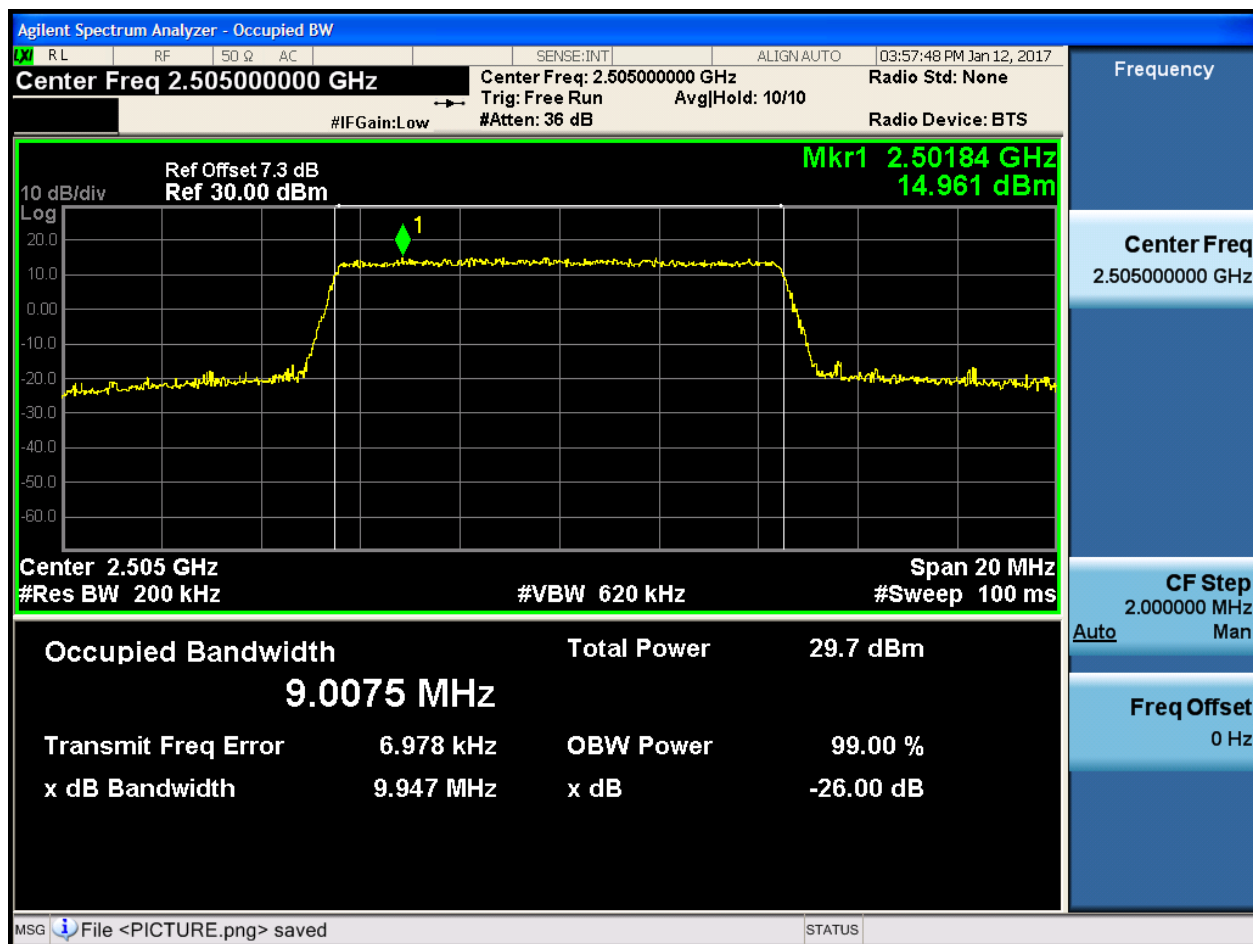




1.1.1.2.2 Test Bandwidth = 10

1.1.1.2.2.1 Test Channel = LCH

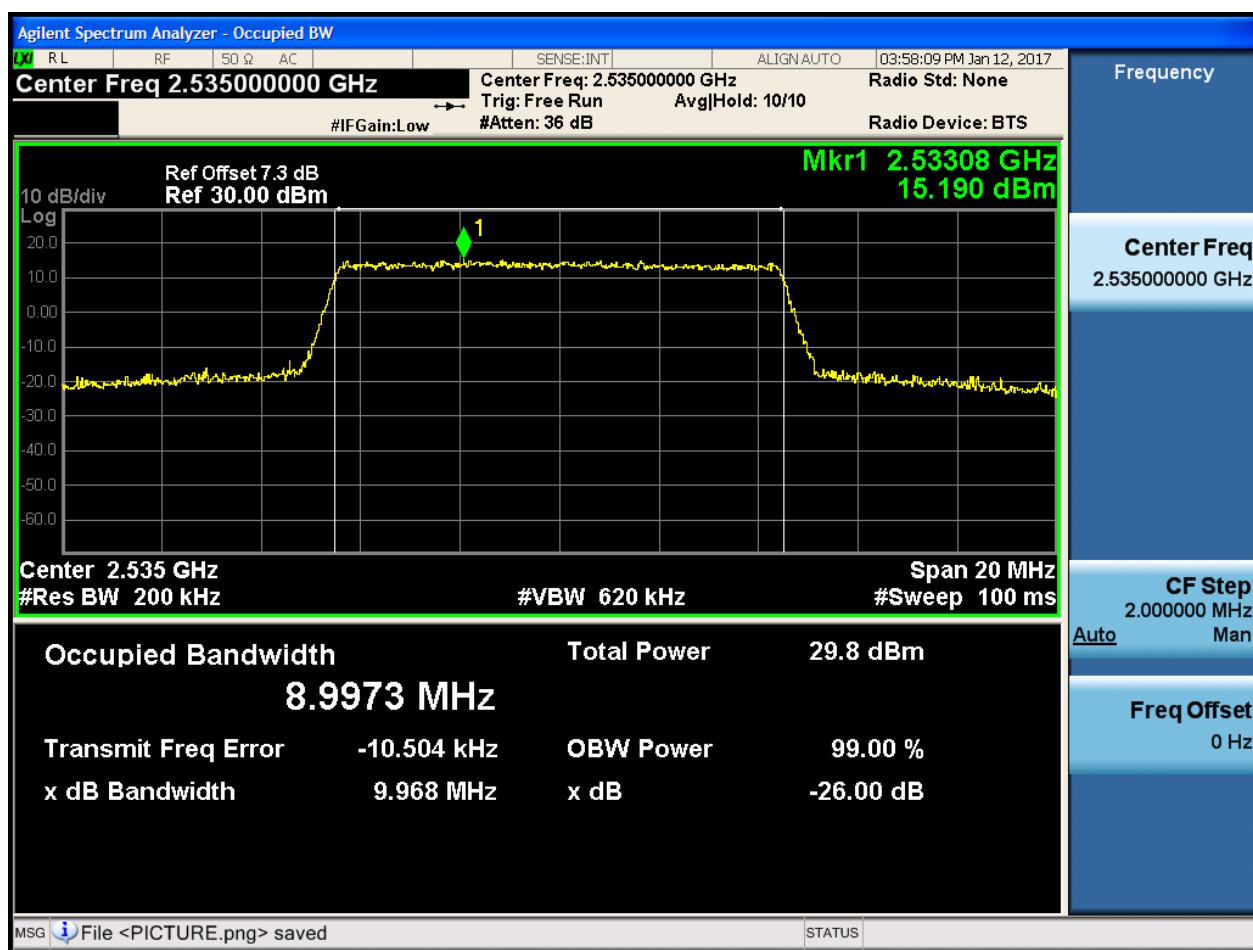
1.1.1.2.2.1.1 Test RB = RB50#0





1.1.1.2.2.2 Test Channel = MCH

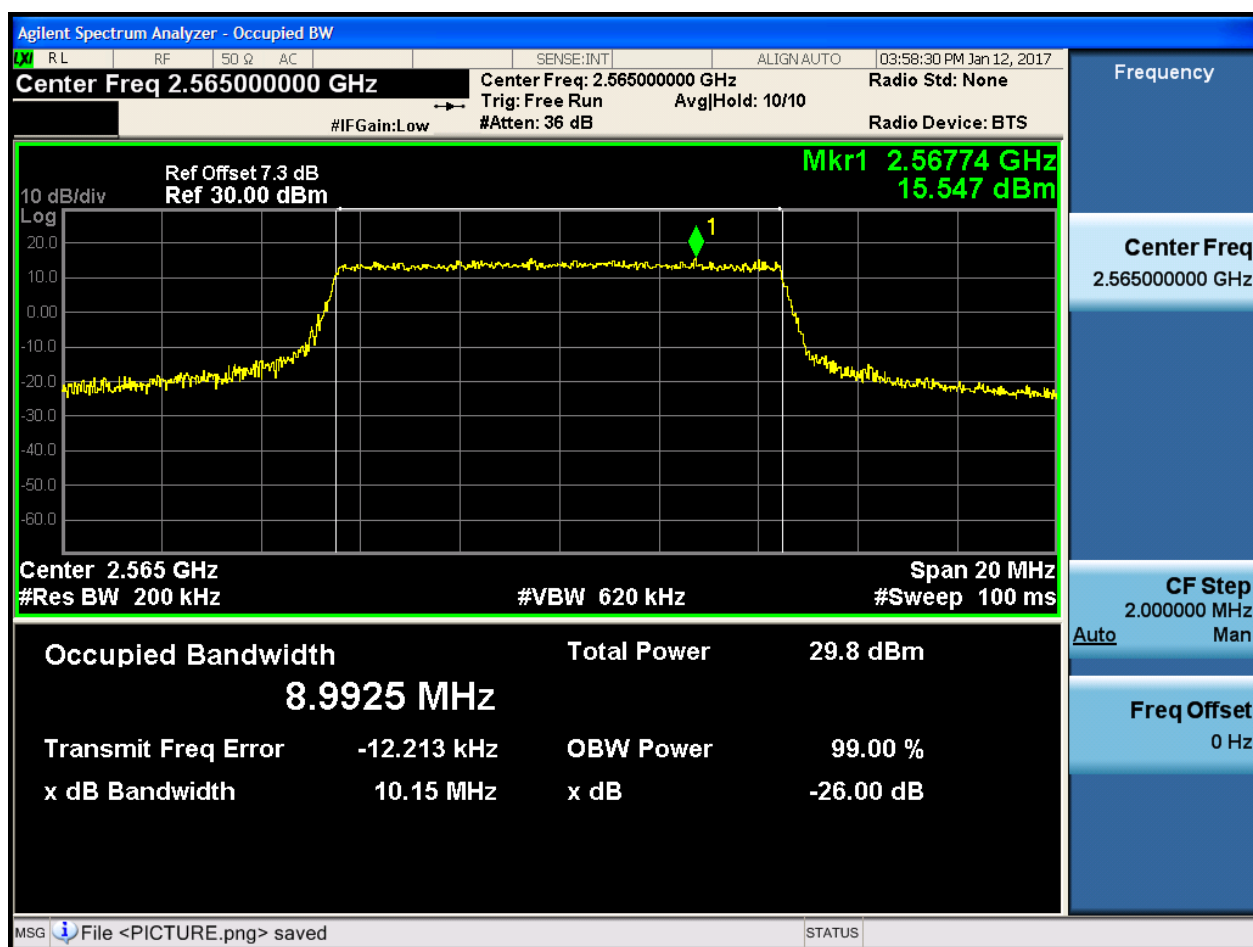
1.1.1.2.2.2.1 Test RB = RB50#0





1.1.1.2.2.3 Test Channel = HCH

1.1.1.2.2.3.1 Test RB = RB50#0

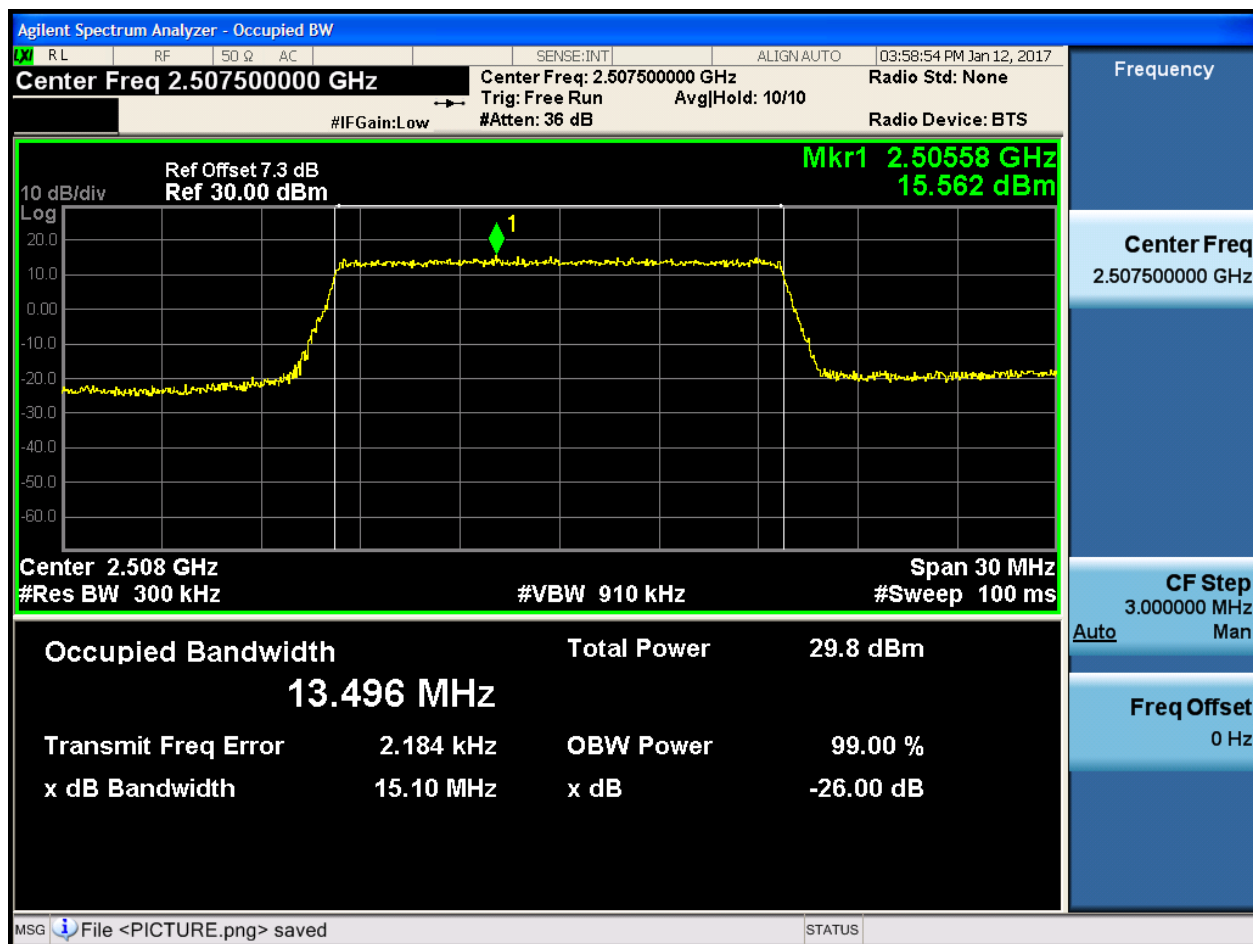




1.1.1.2.3 Test Bandwidth = 15

1.1.1.2.3.1 Test Channel = LCH

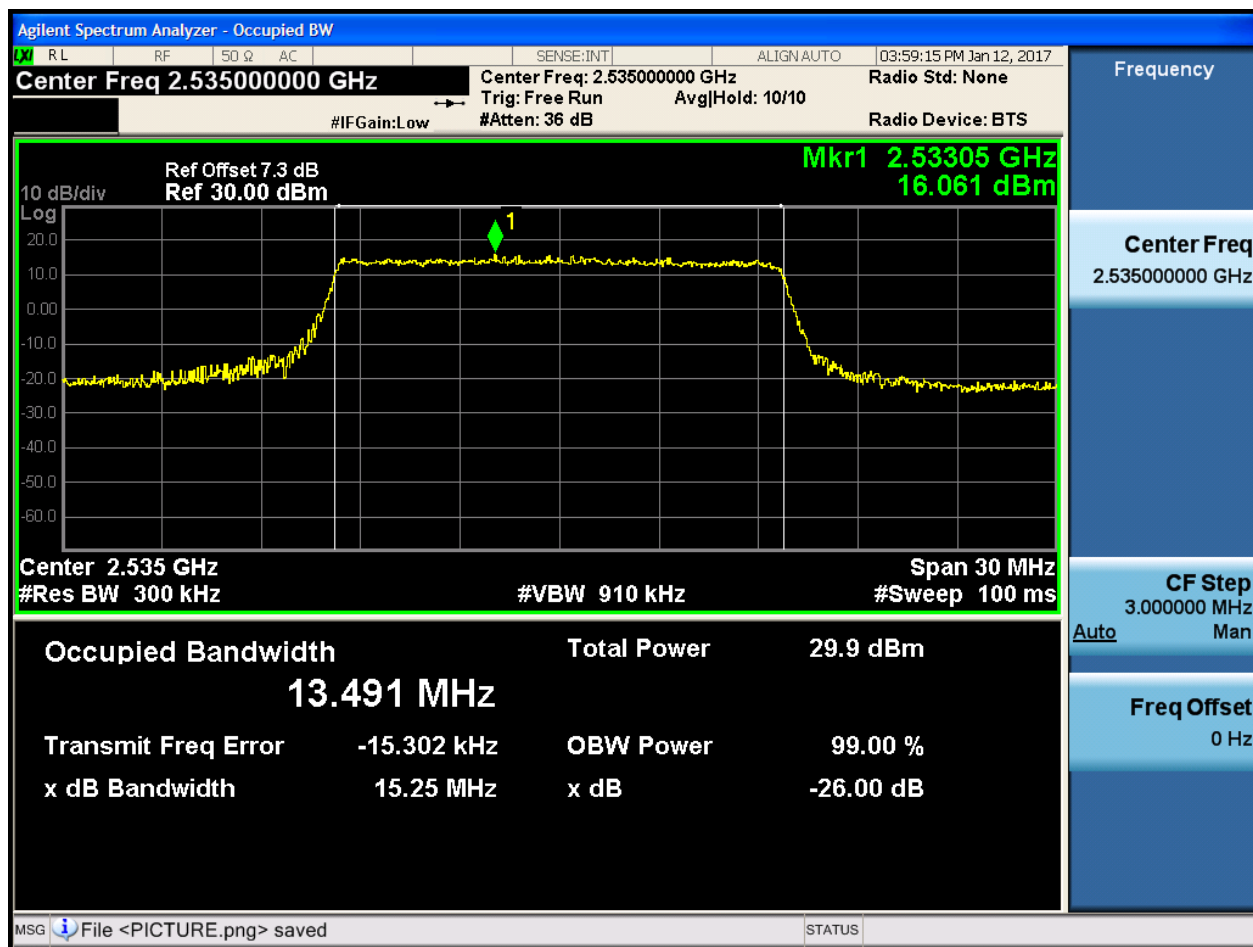
1.1.1.2.3.1.1 Test RB = RB75#0





1.1.1.2.3.2 Test Channel = MCH

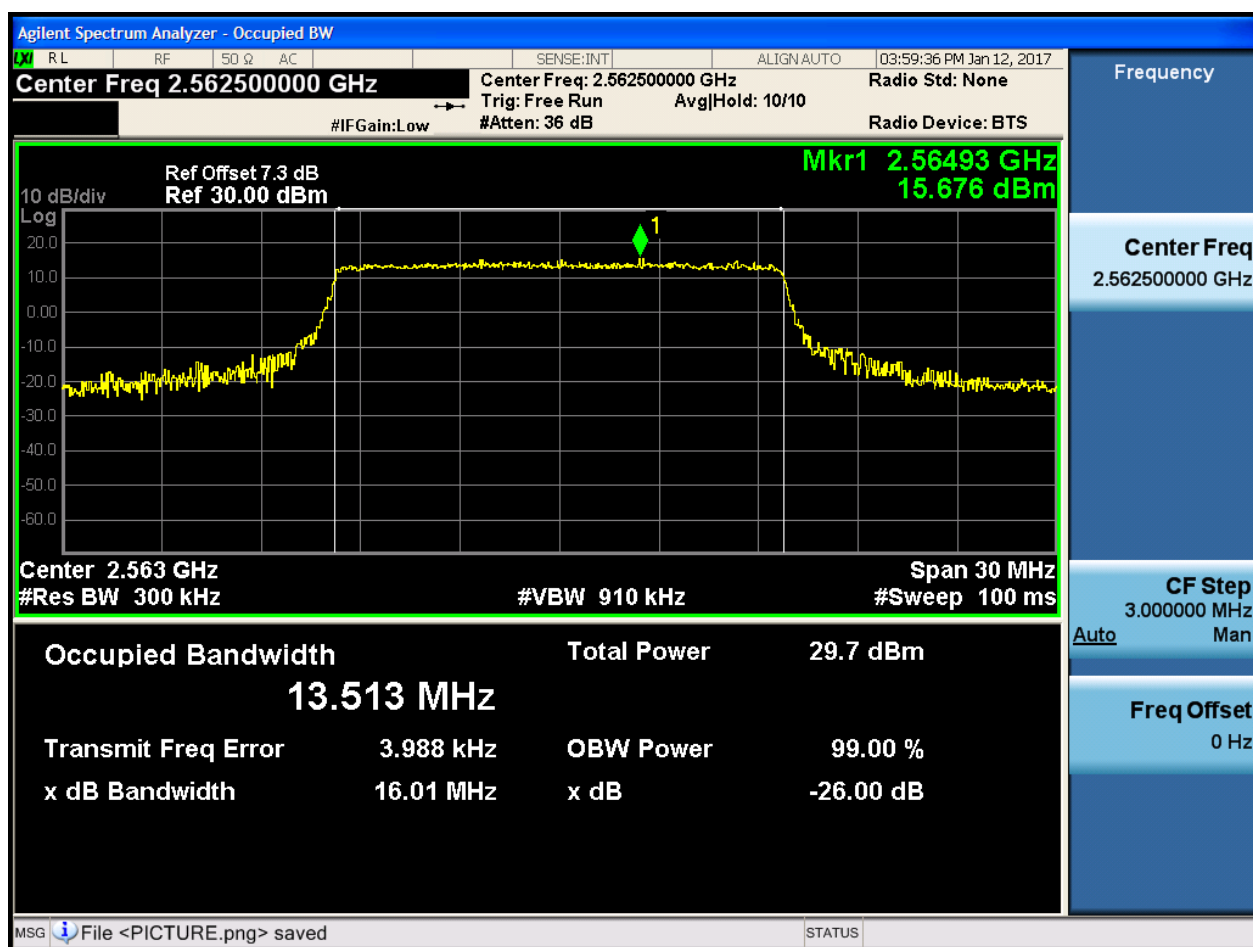
1.1.1.2.3.2.1 Test RB = RB75#0





1.1.1.2.3.3 Test Channel = HCH

1.1.1.2.3.3.1 Test RB = RB75#0

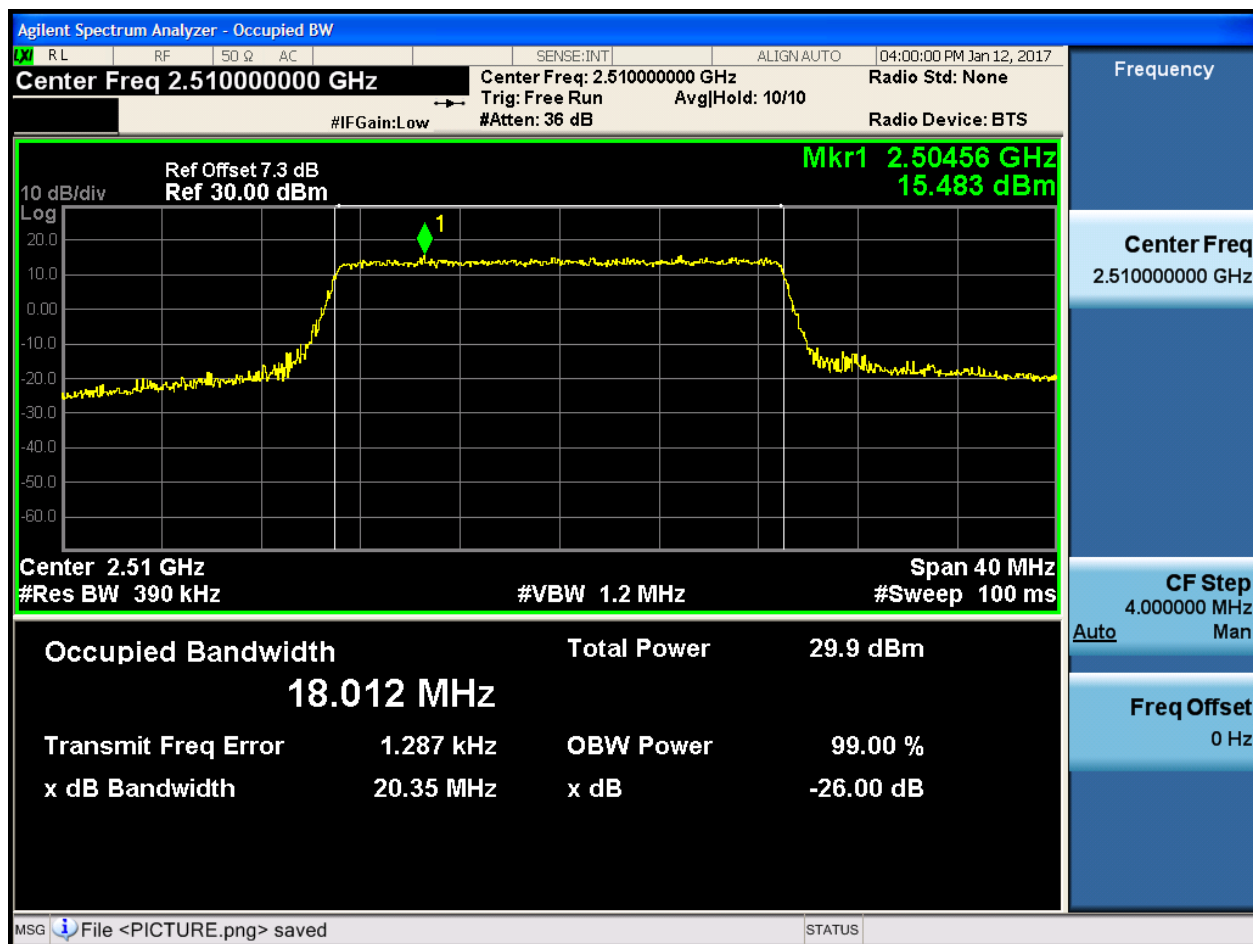




1.1.1.2.4 Test Bandwidth = 20

1.1.1.2.4.1 Test Channel = LCH

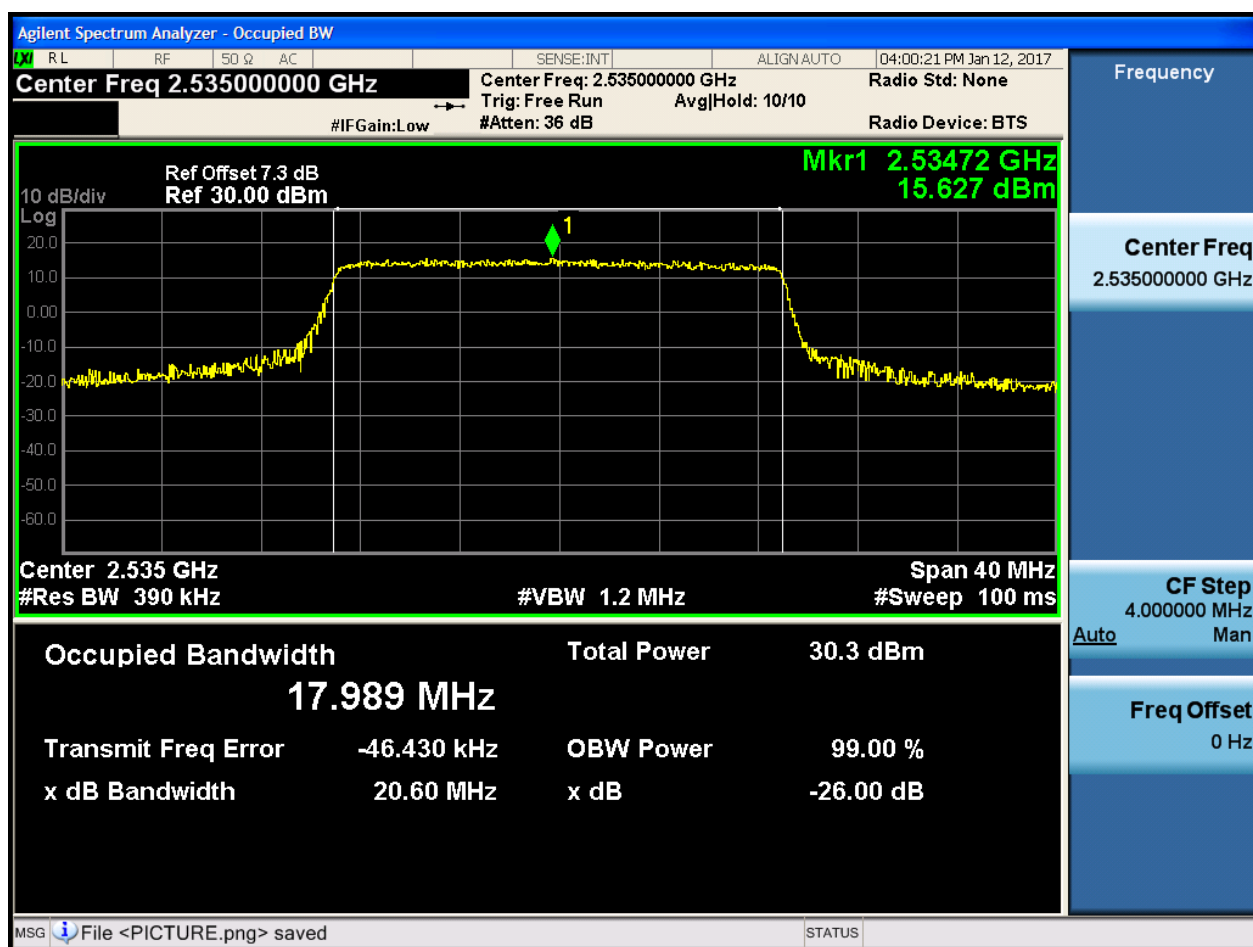
1.1.1.2.4.1.1 Test RB = RB100#0





1.1.1.2.4.2 Test Channel = MCH

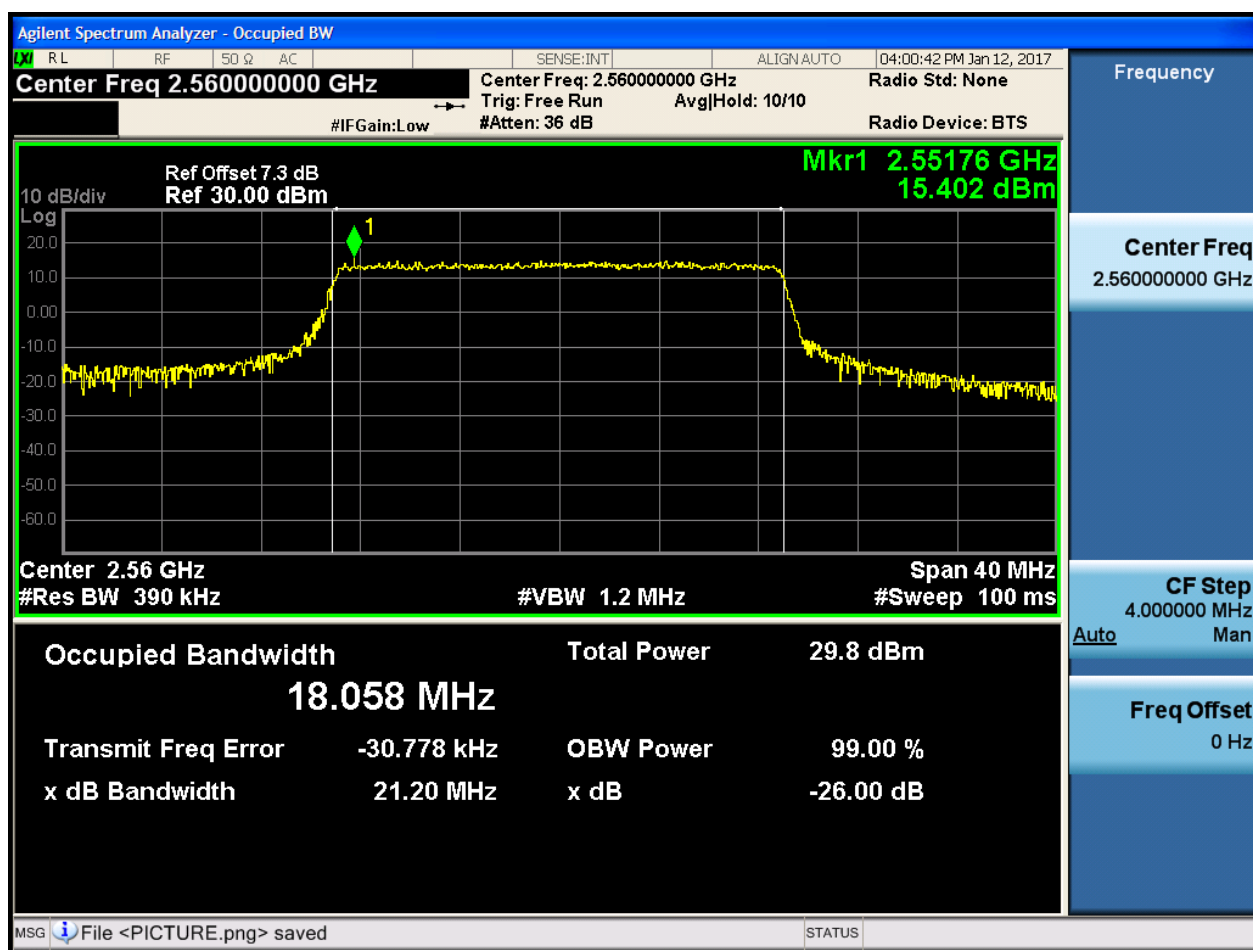
1.1.1.2.4.2.1 Test RB = RB100#0





1.1.1.2.4.3 Test Channel = HCH

1.1.1.2.4.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

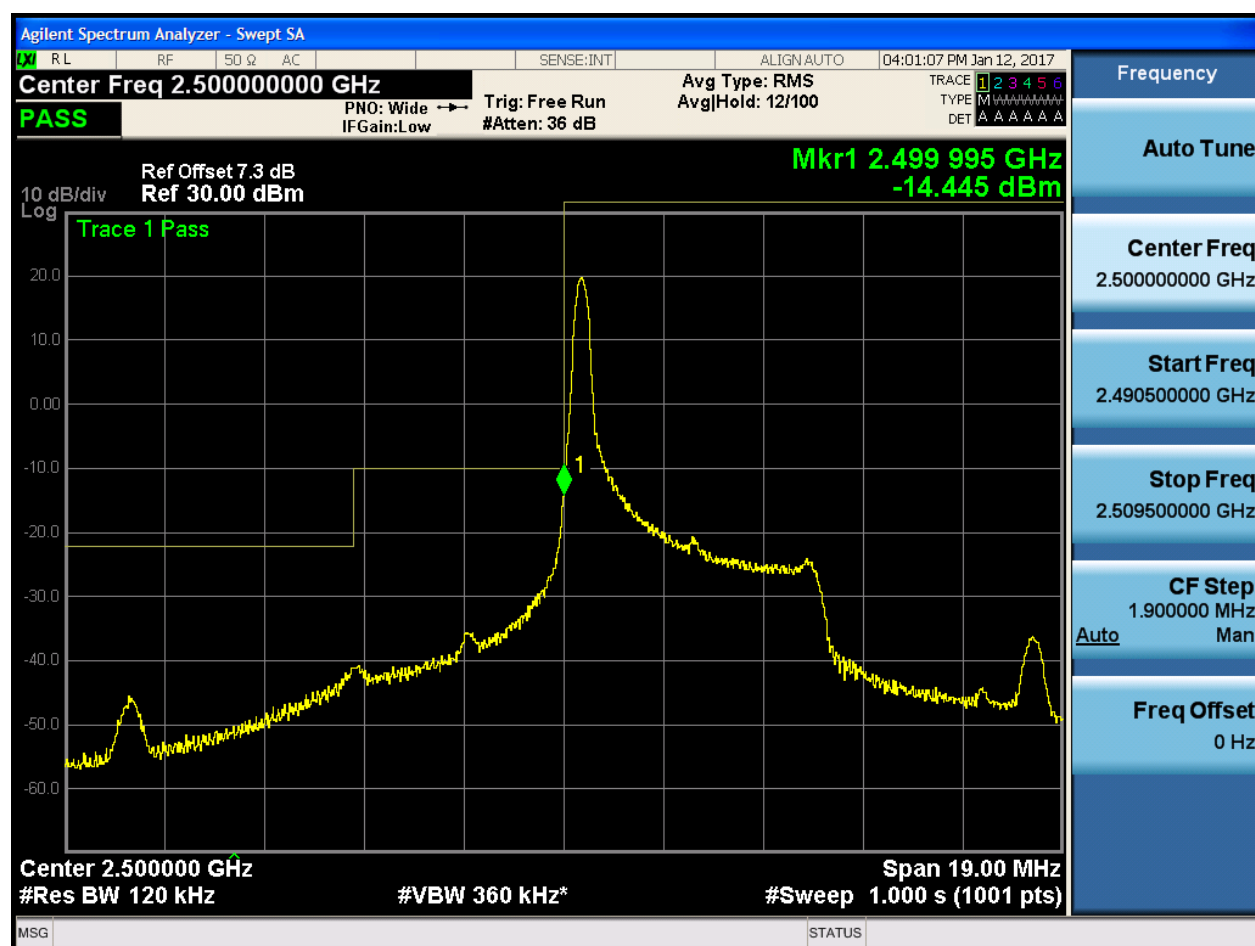
5.1.1 Test Band = BAND7

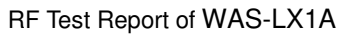
5.1.1.1 Test Mode = LTE/TM1

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:01:25 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-31.917 dBm

10 dB/div
Log

Trace 1 Pass

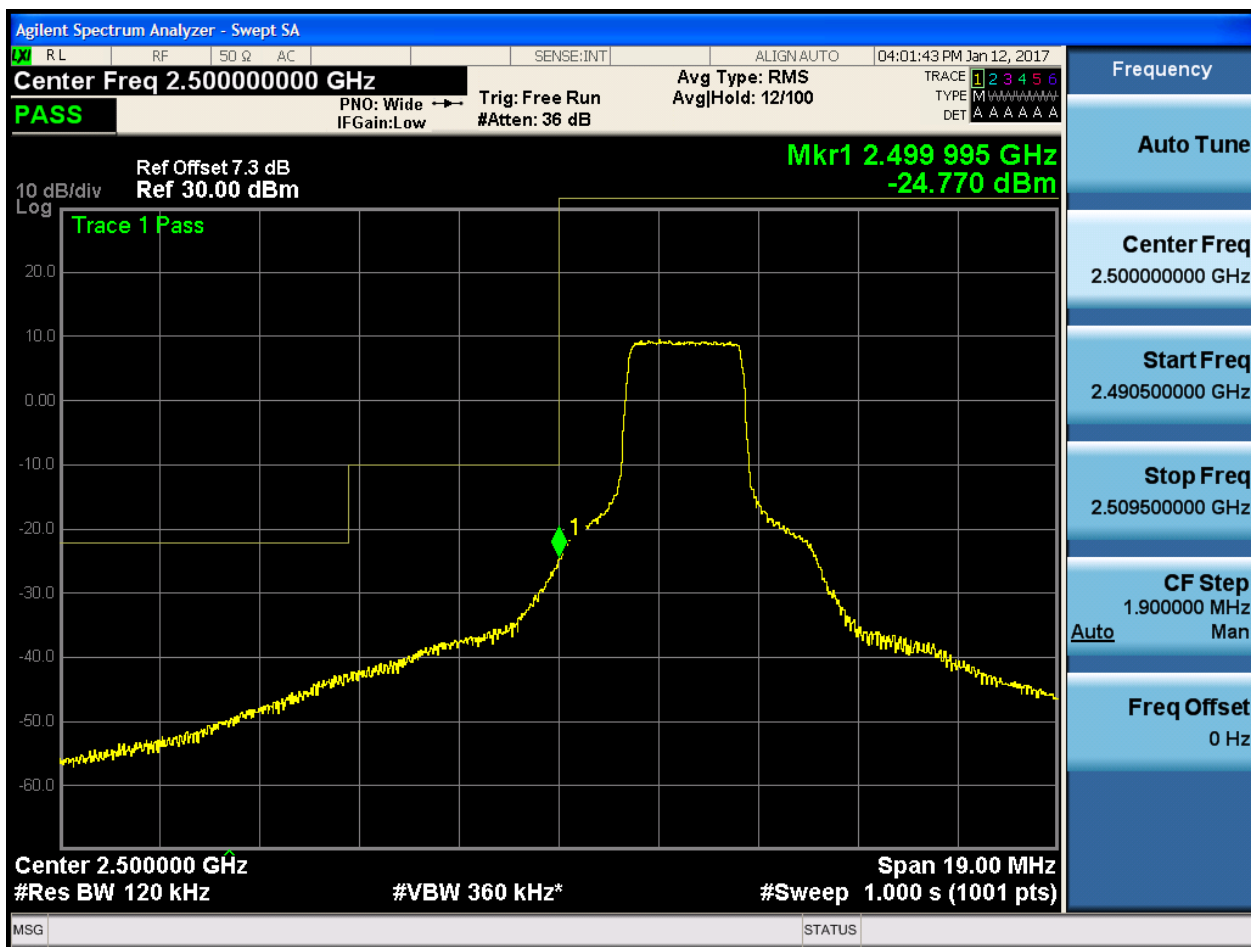
Center 2.500000 GHz Span 19.00 MHz
#Res BW 120 kHz #VBW 360 kHz #Sweep 1.000 s (1001 pts)

Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.490500000 GHz
Stop Freq
2.509500000 GHz
CF Step
1.900000 MHz
Auto Man
Freq Offset
0 Hz

MSG STATUS

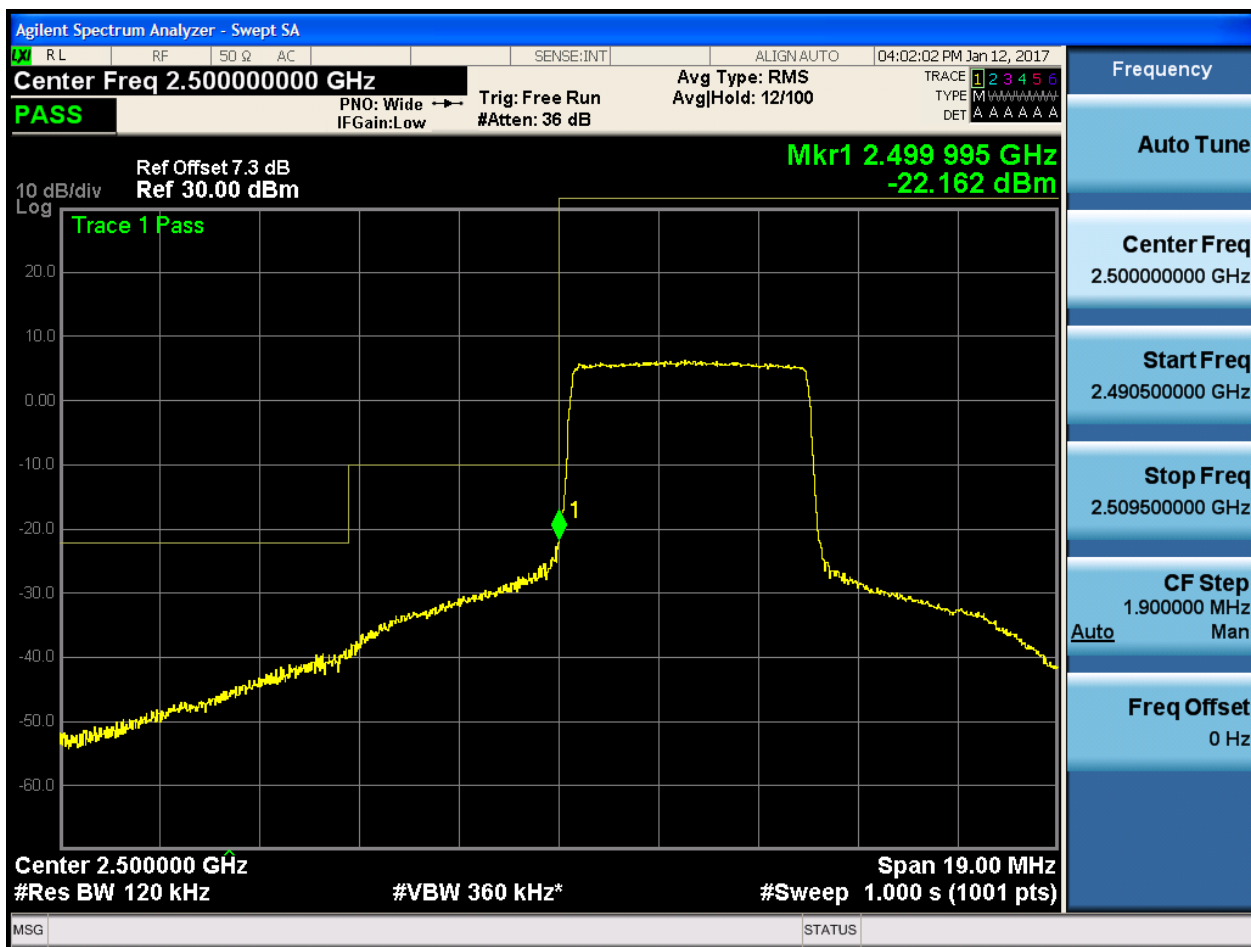


5.1.1.1.1.3 Test RB = RB12#6



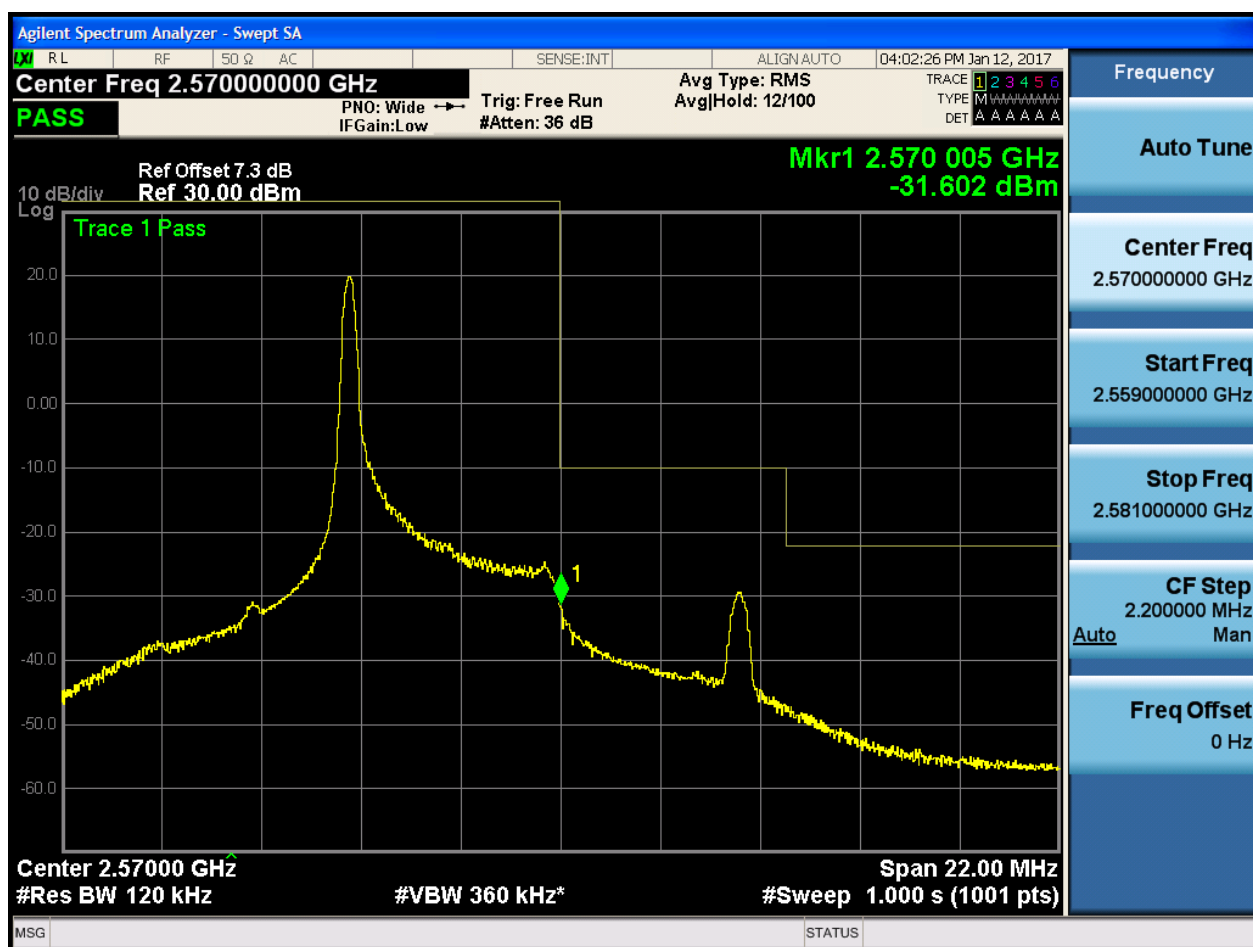


5.1.1.1.1.4 Test RB = RB25#0



5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



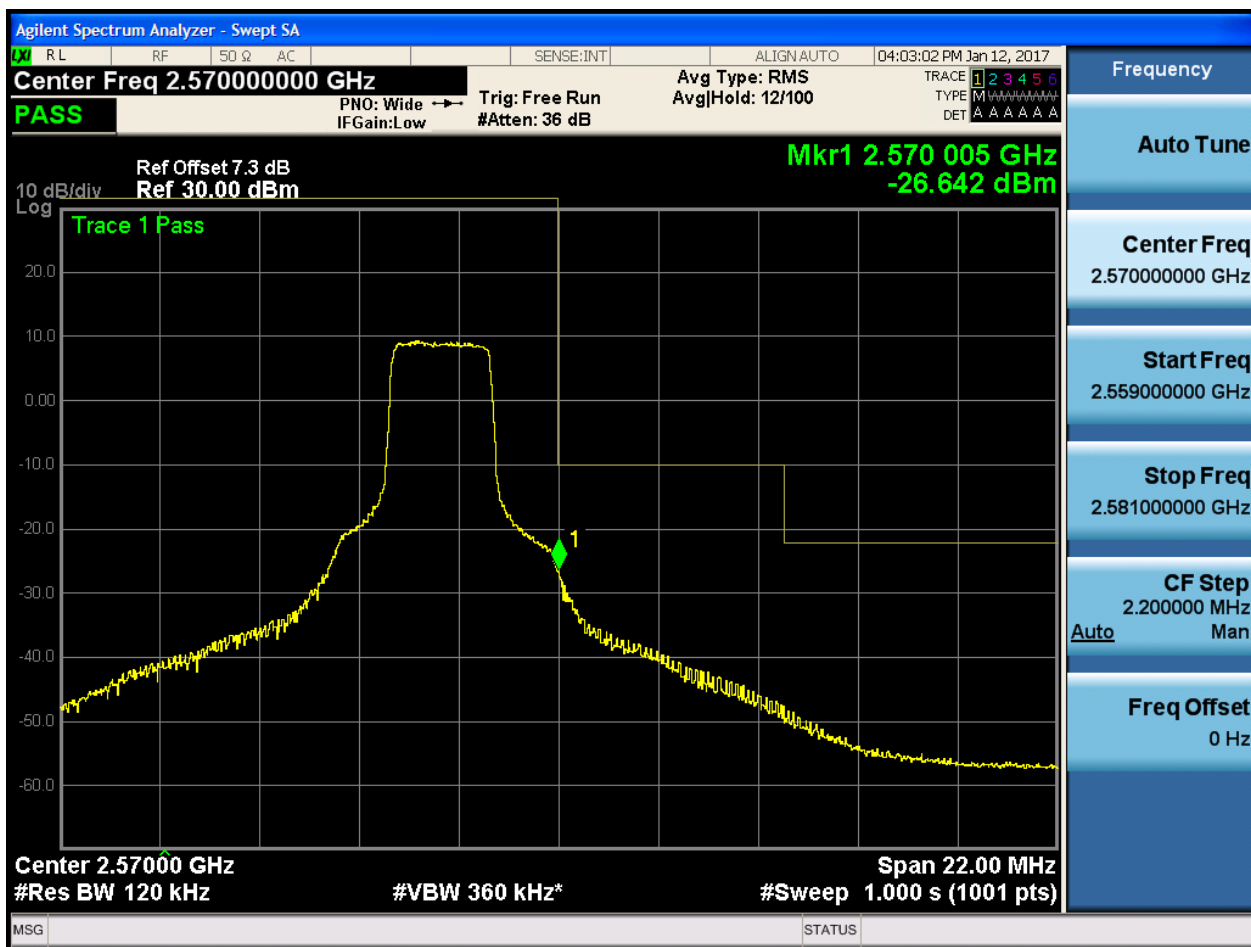


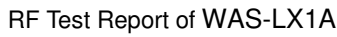
5.1.1.1.2.2 Test RB = RB1#24





5.1.1.1.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:03:21 PM Jan 12, 2017

Center Freq 2.570000000 GHz Avg Type: RMS
PASS PNO: Wide 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 2.570 005 GHz
-24.547 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.57000 GHz
#Res BW 120 kHz #VBW 360 kHz* Span 22.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.559000000 GHz

Stop Freq
2.581000000 GHz

CF Step
2.200000 MHz
Auto Man

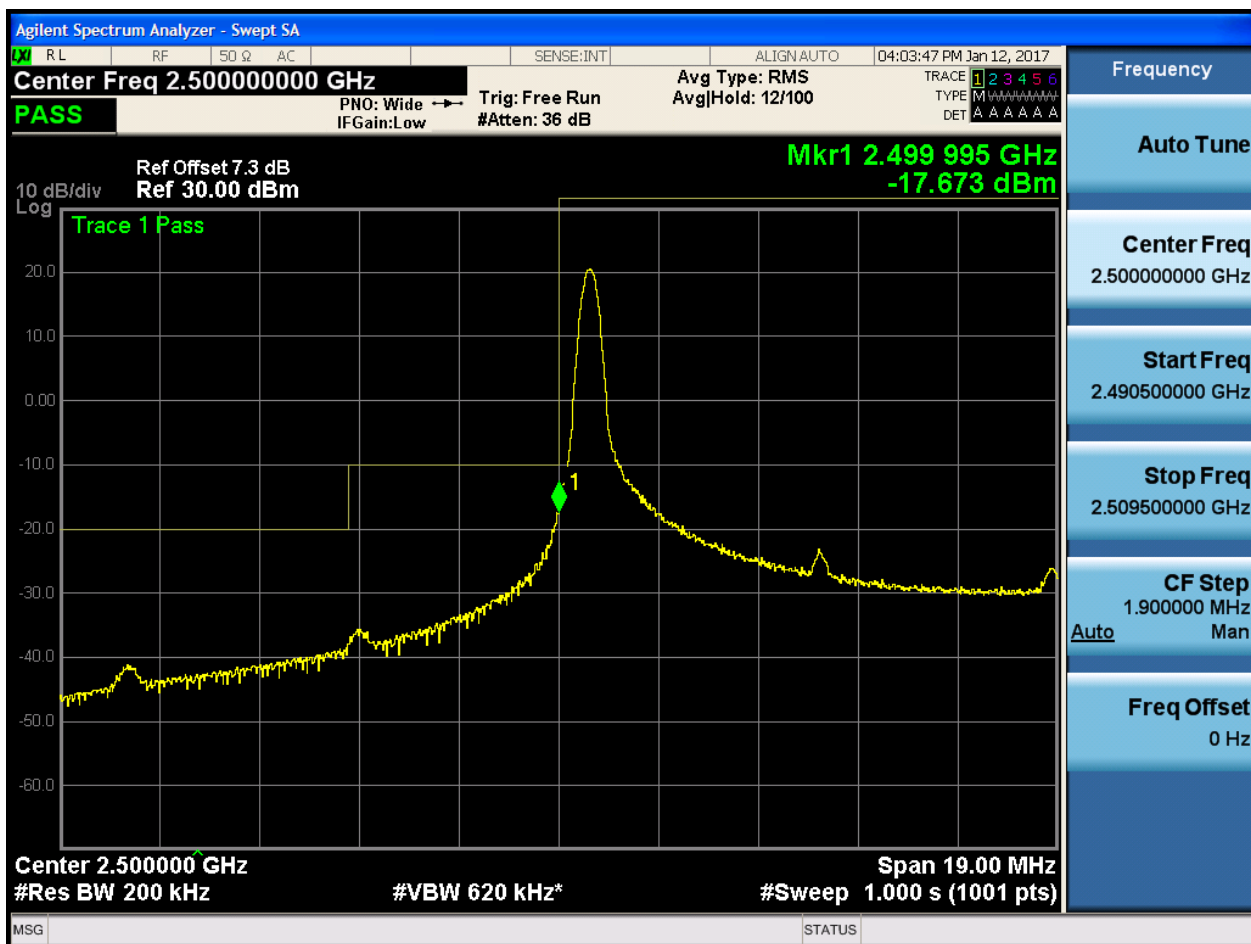
Freq Offset
0 Hz



5.1.1.1.2 Test Bandwidth = 10

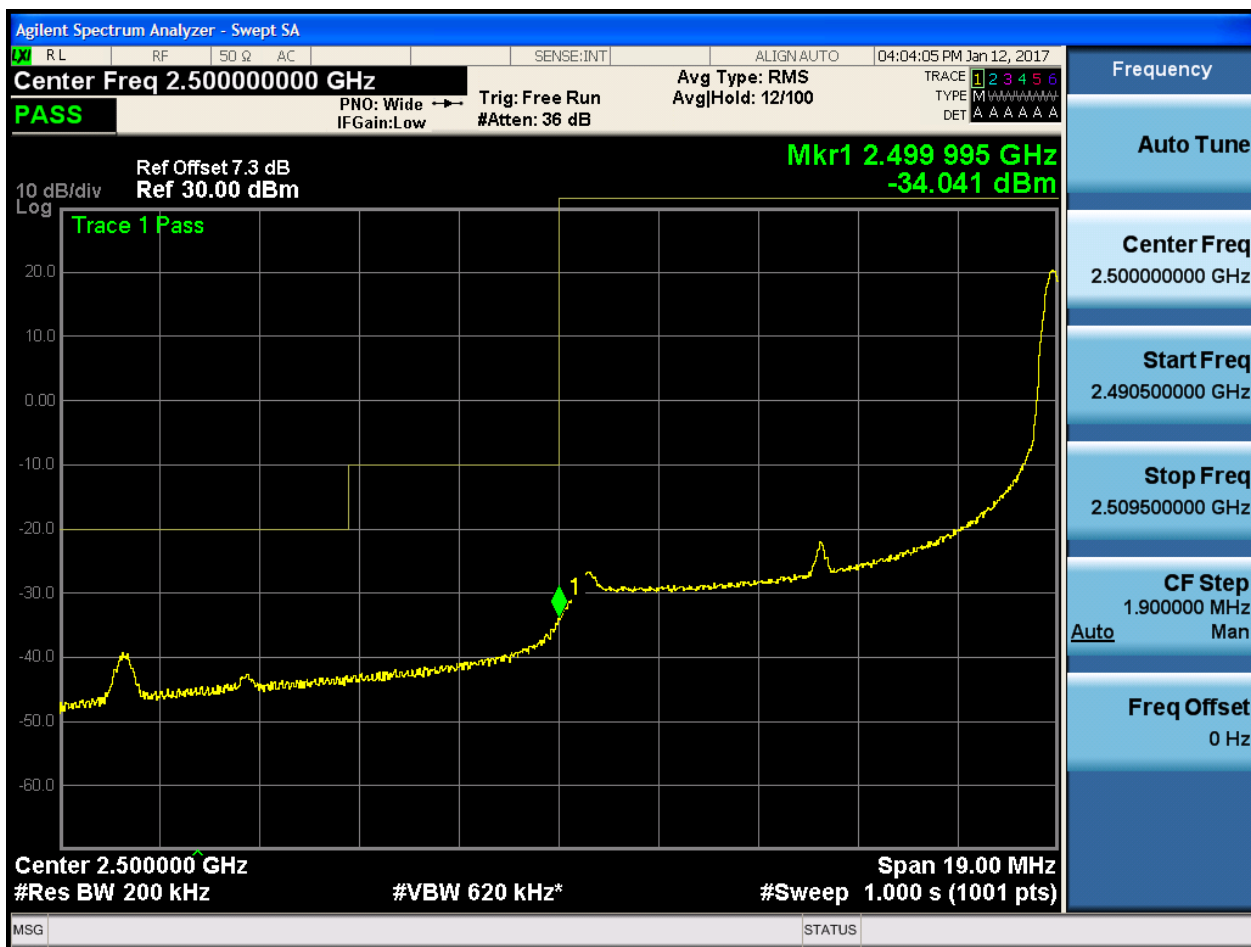
5.1.1.1.2.1 Test Channel = LCH

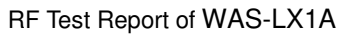
5.1.1.1.2.1.1 Test RB = RB1#0





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 04:04:23 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 A

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-28.498 dBm

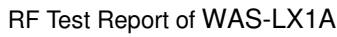
10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.490500000 GHz
Stop Freq
2.509500000 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 04:04:42 PM Jan 12, 2017

Center Freq 2.50000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
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 2.499 995 GHz
-25.184 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz
#Res BW 200 kHz #VBW 620 kHz* Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.50000000 GHz

Start Freq
2.49050000 GHz

Stop Freq
2.50950000 GHz

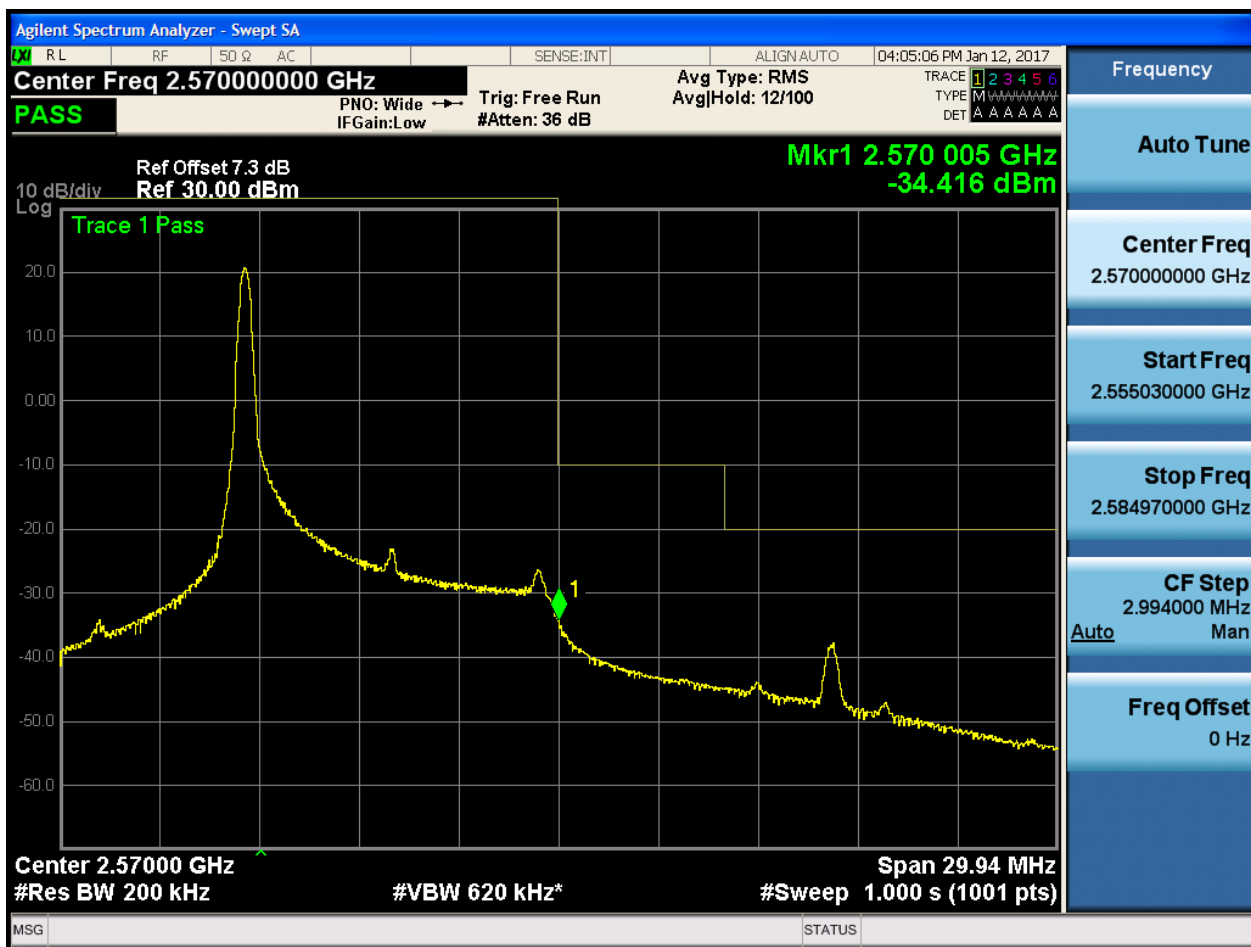
CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



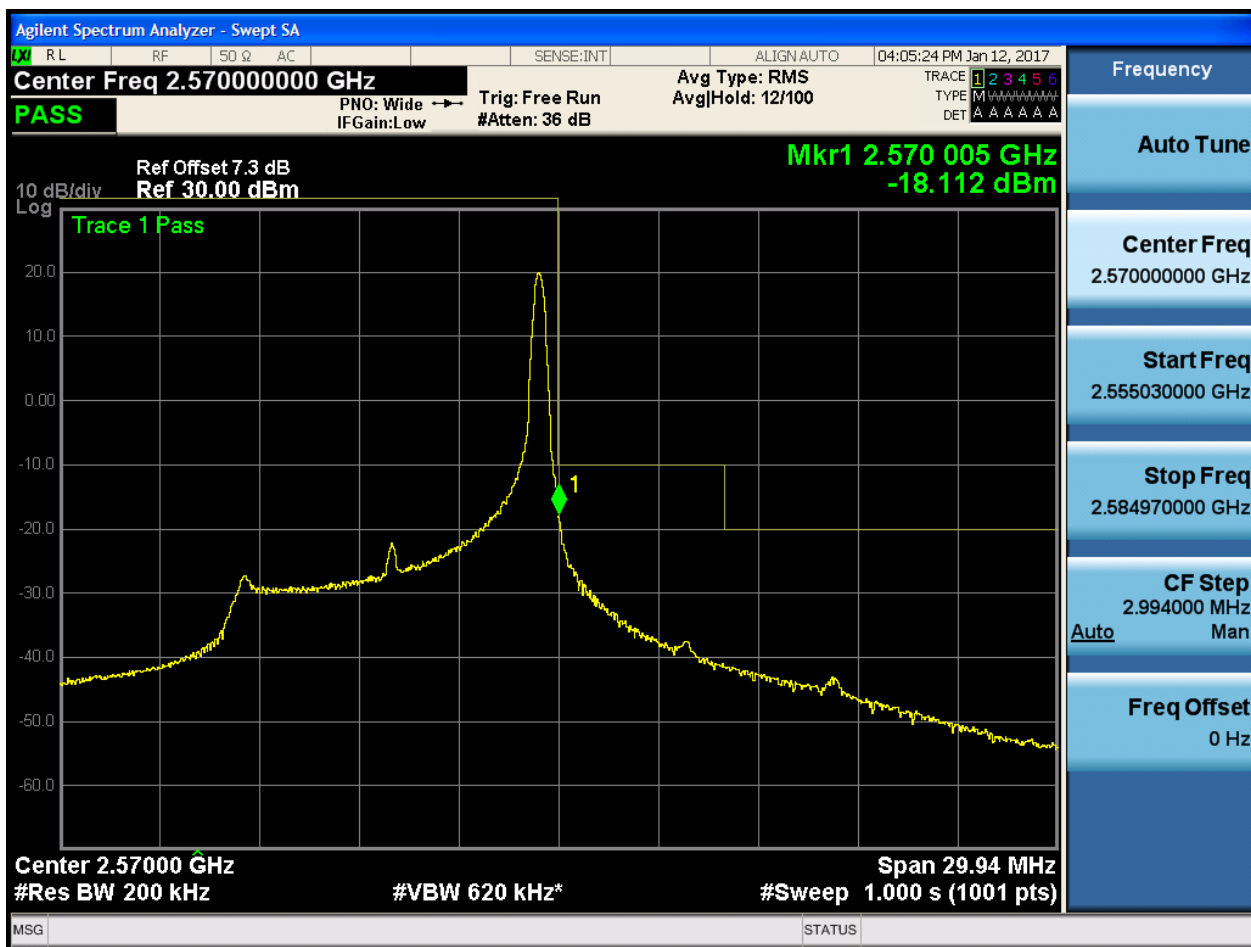
5.1.1.1.2.2 Test Channel = HCH

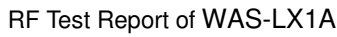
5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:05:42 PM Jan 12, 2017

Center Freq 2.57000000 GHz Avg Type: RMS
PASS PNO: Wide Trig: Free Run
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 2.570 005 GHz
-28.919 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.57000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 29.94 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.555030000 GHz

Stop Freq
2.584970000 GHz

CF Step
2.994000 MHz
Auto Man

Freq Offset
0 Hz



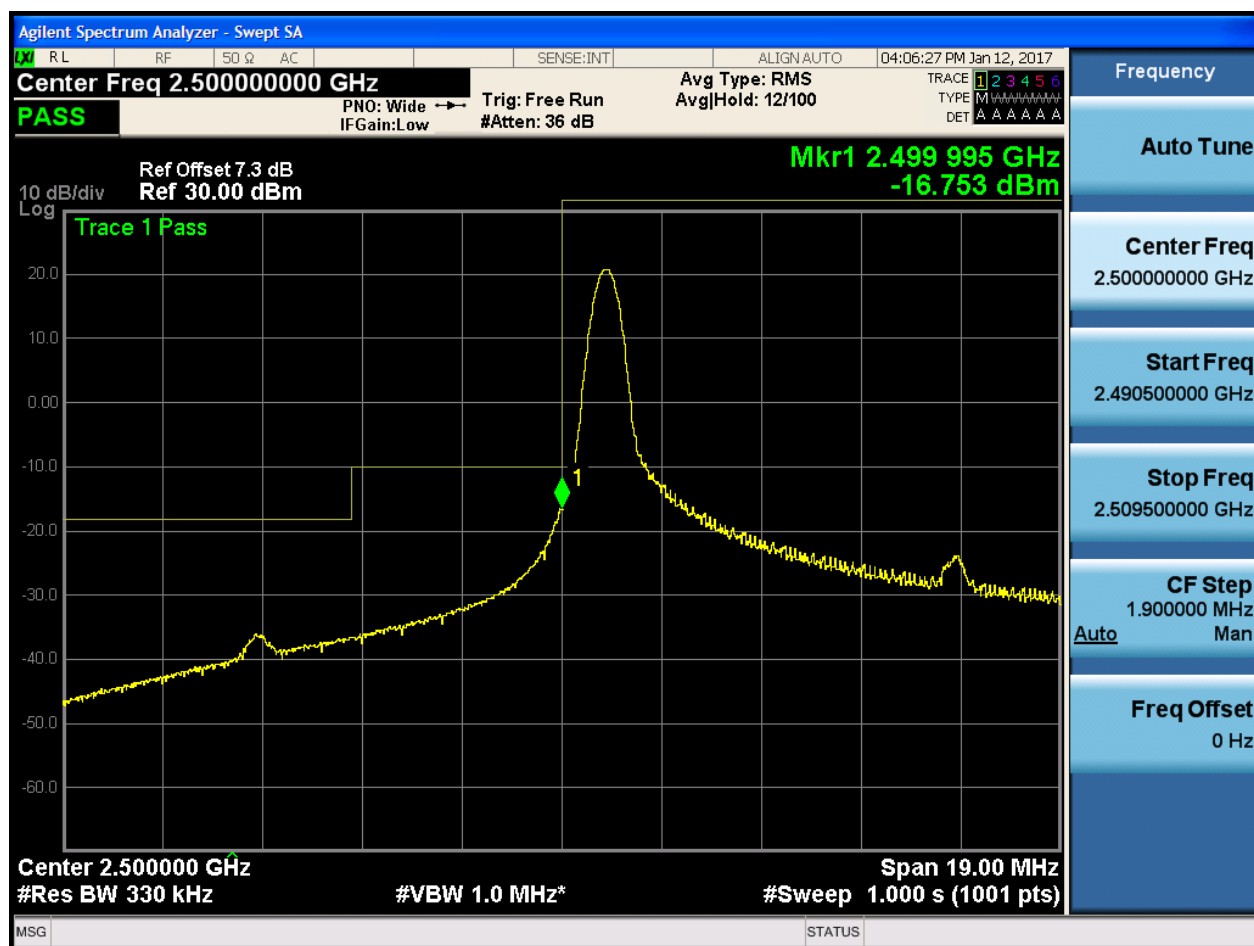
5.1.1.1.2.2.4 Test RB = RB50#0



5.1.1.1.3 Test Bandwidth = 15

5.1.1.1.3.1 Test Channel = LCH

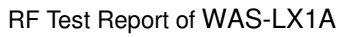
5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:07:05 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 2.499 995 GHz
-29.765 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#Res BW 330 kHz #VBW 1.0 MHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

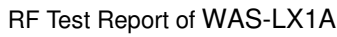
Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

Stop Freq
2.509500000 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 04:07:24 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 2.499 995 GHz
-25.450 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#Res BW 330 kHz #VBW 1.0 MHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

Stop Freq
2.509500000 GHz

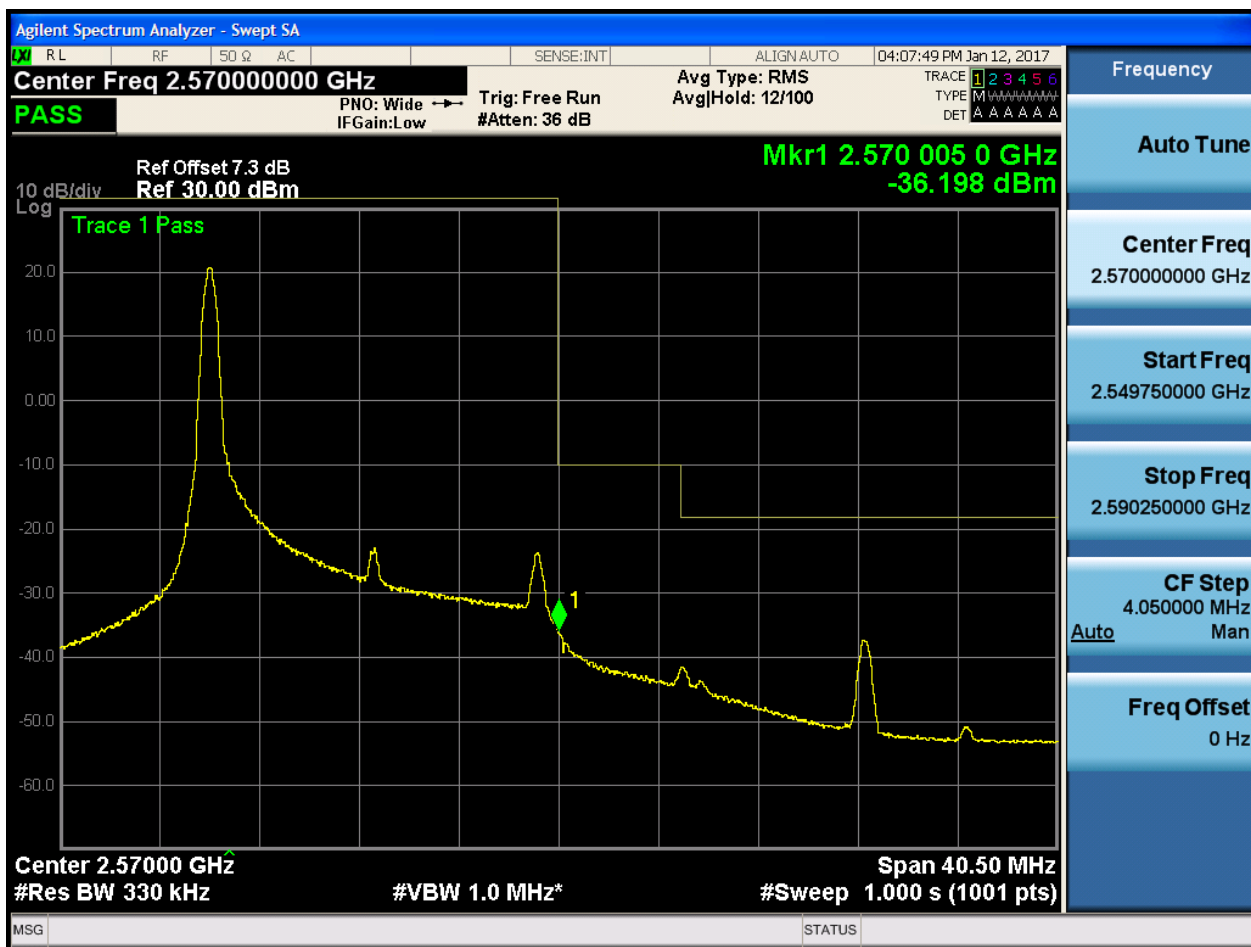
CF Step
1.900000 MHz
Auto Man

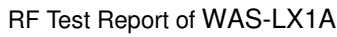
Freq Offset
0 Hz



5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:08:08 PM Jan 12, 2017

Center Freq 2.570000000 GHz Avg Type: RMS
#Att: 36 dB

PASS PNO: Wide IFGain:Low Trig: Free Run

TRACE 1 2 3 4 5 6
TYPE M 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 2.570 005 0 GHz
-18.387 dBm

10 dB/div
Log

Trace 1 Pass

The spectrum analyzer trace displays a signal at 2.570 GHz. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, ranging from 2.54975 to 2.59025. The signal is a sharp peak at 2.570 GHz, with a power level of approximately -18.4 dBm. The trace is labeled 'Trace 1 Pass'.

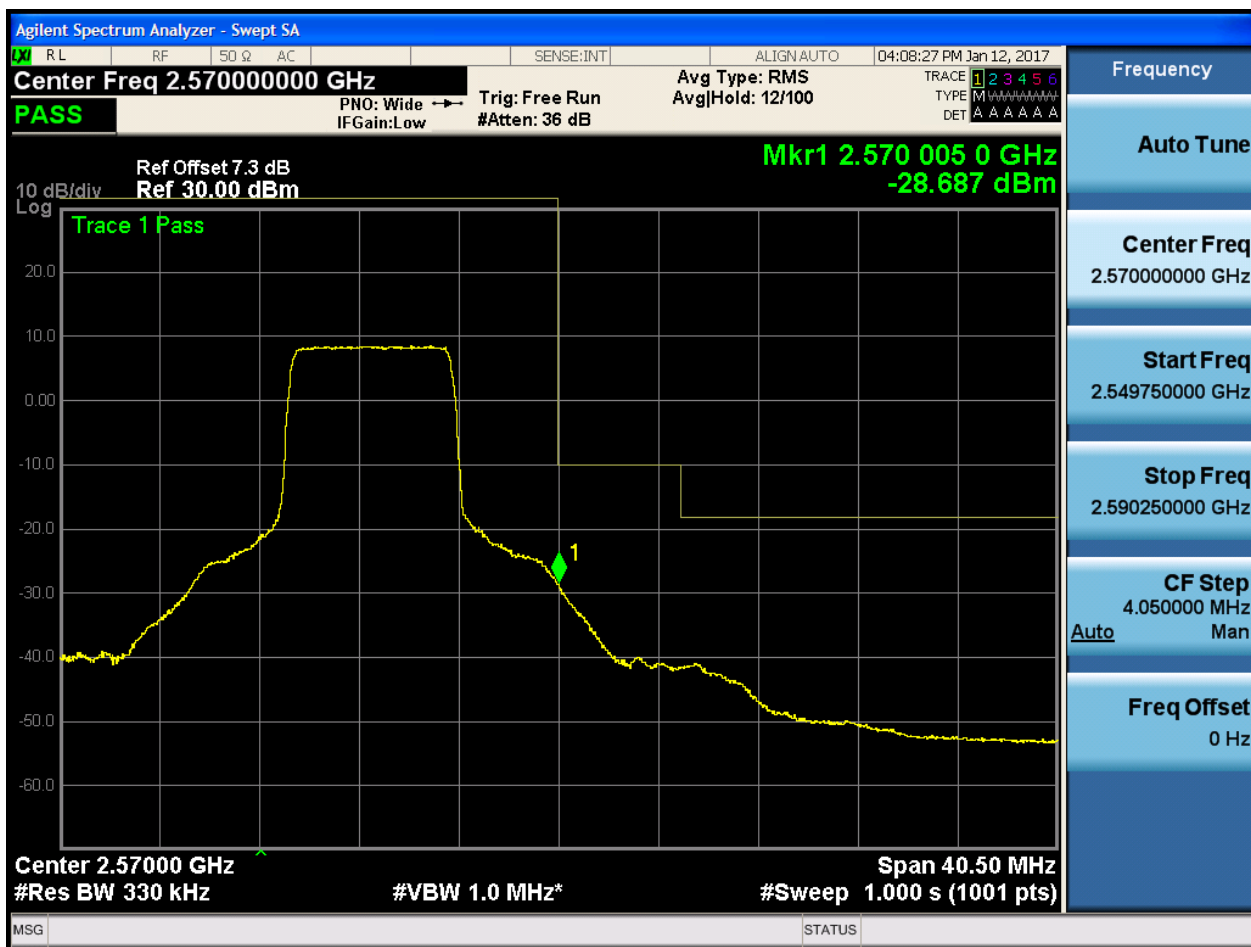
Center Freq 2.570000000 GHz
Start Freq 2.549750000 GHz
Stop Freq 2.590250000 GHz
CF Step 4.050000 MHz
Auto Man
Freq Offset 0 Hz

Center 2.57000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Span 40.50 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



5.1.1.1.3.2.3 Test RB = RB38#19





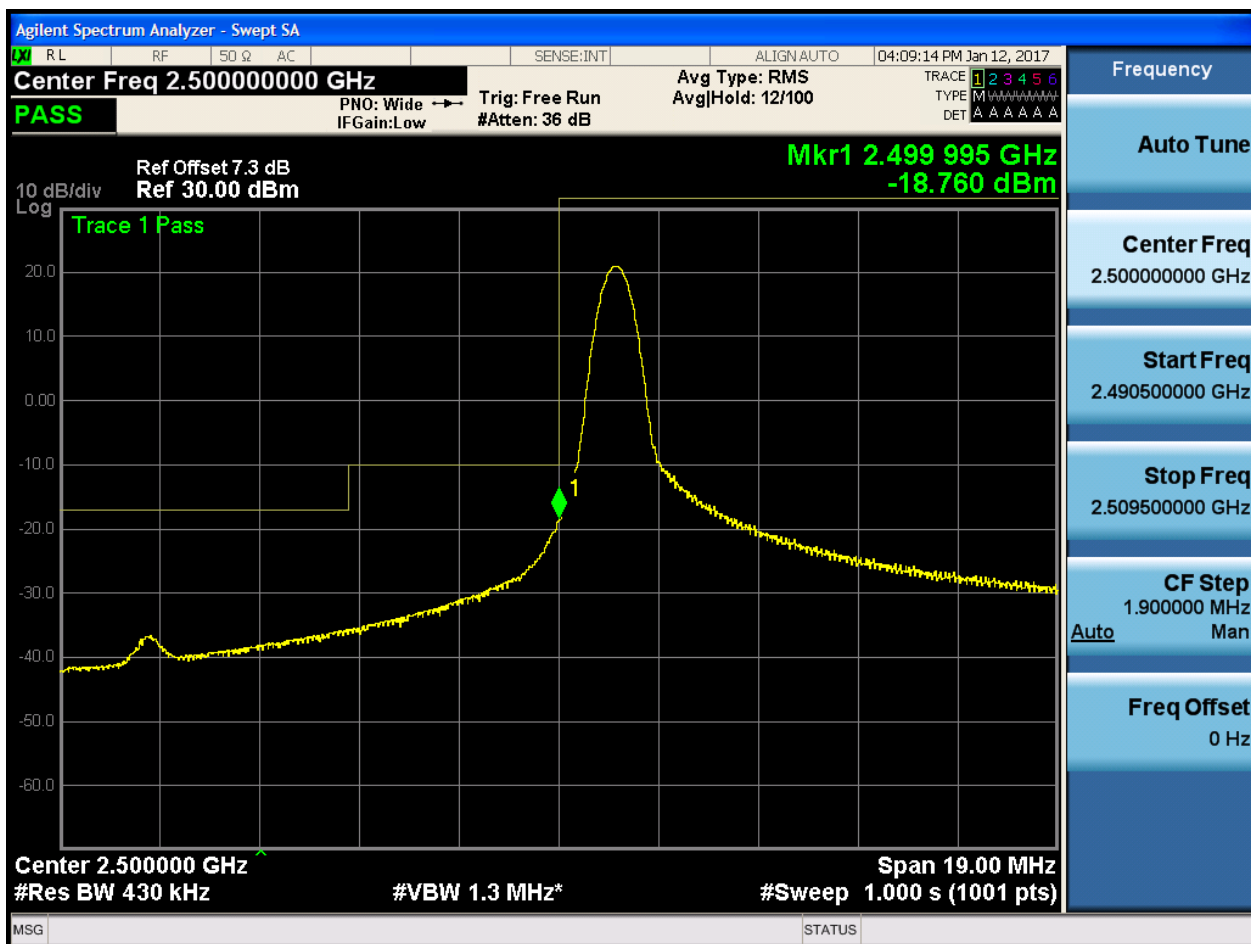
5.1.1.1.3.2.4 Test RB = RB75#0

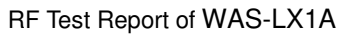


5.1.1.1.4 Test Bandwidth = 20

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:09:34 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 2.499 995 GHz
-36.357 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

Stop Freq
2.509500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz

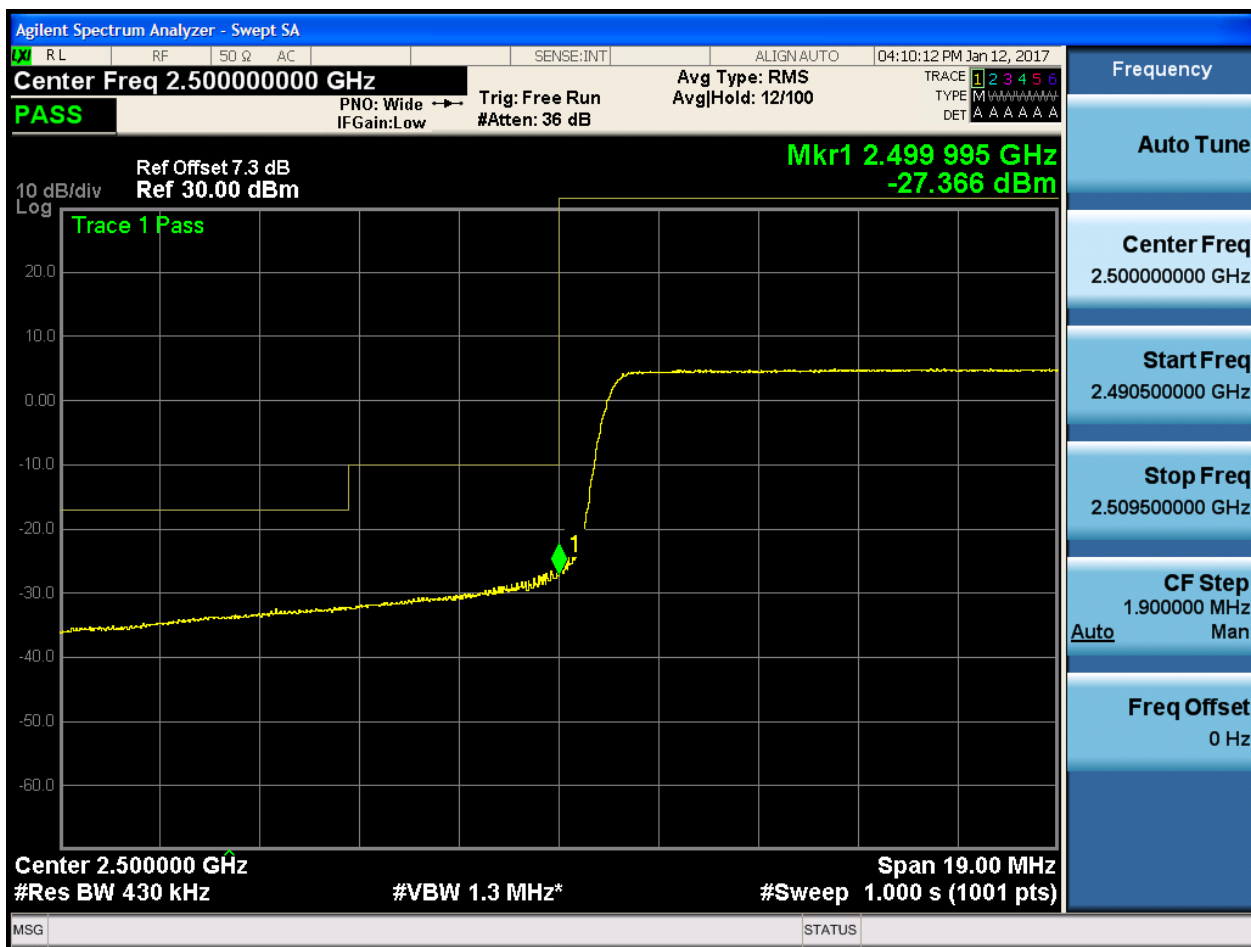


5.1.1.1.4.1.3 Test RB = RB50#25





5.1.1.1.4.1.4 Test RB = RB100#0





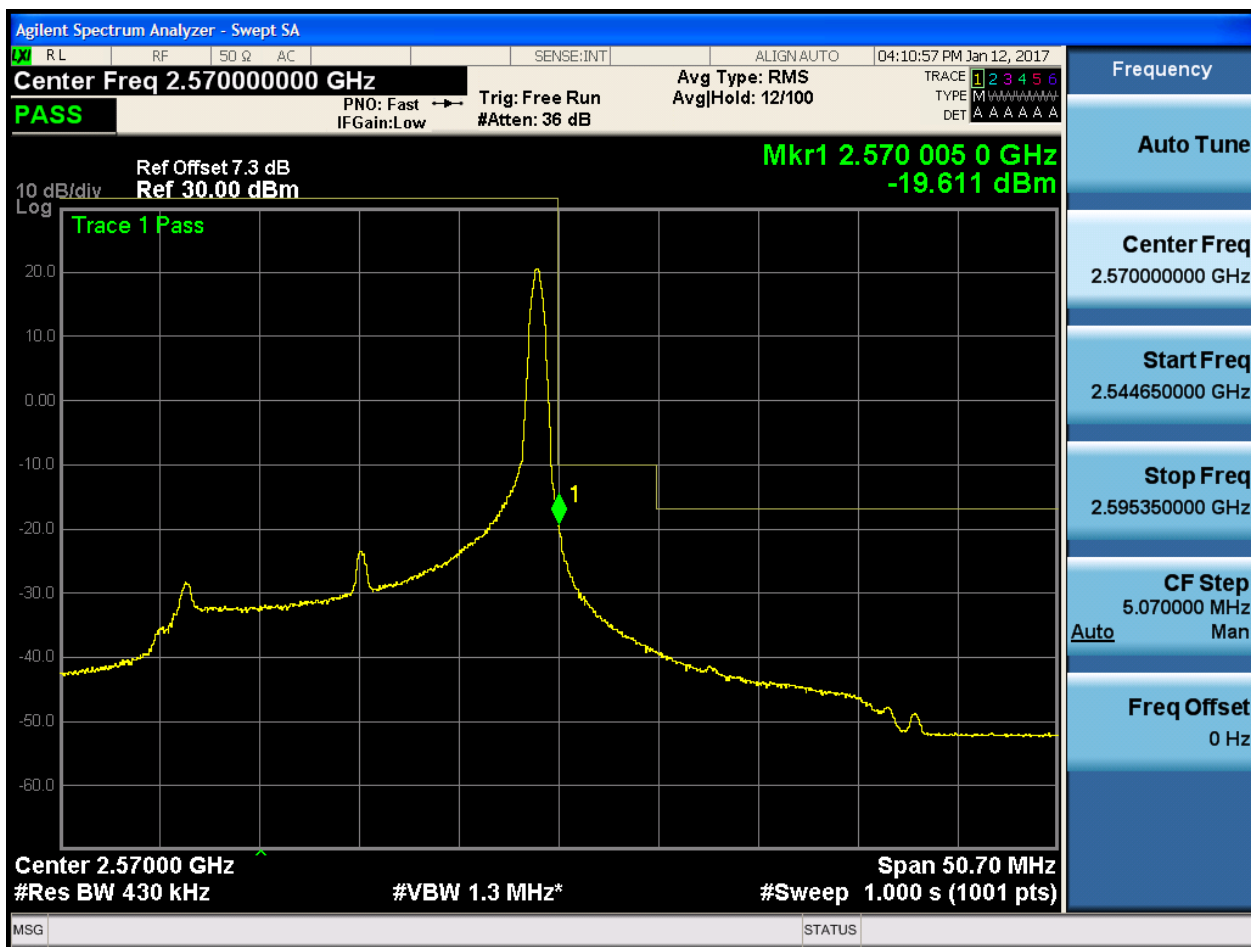
5.1.1.1.4.2 Test Channel = HCH

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



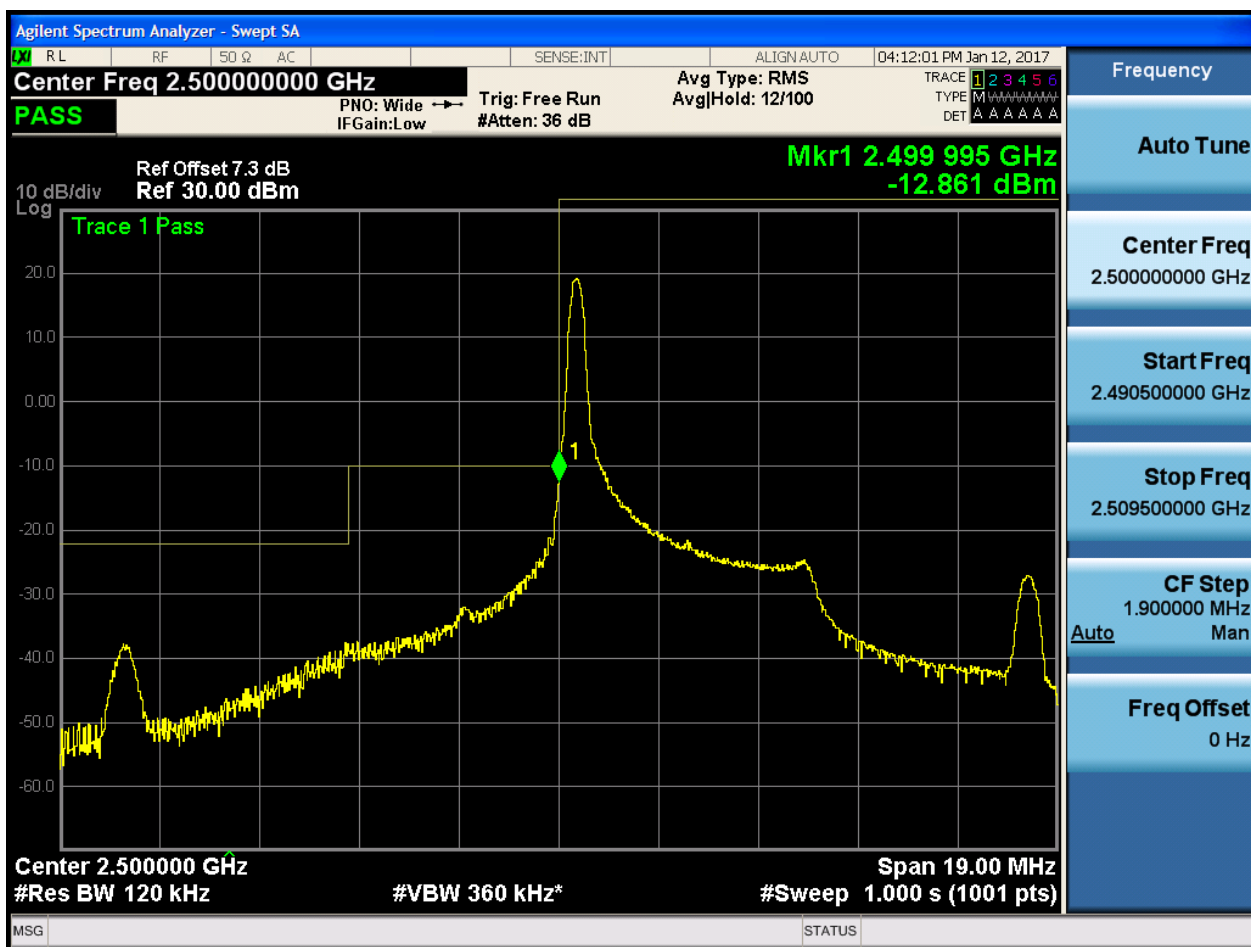


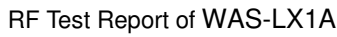
5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

5.1.1.1.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:12:20 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 2.499 995 GHz
-30.886 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz
#Res BW 120 kHz #VBW 360 kHz* Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

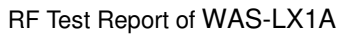
Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

Stop Freq
2.509500000 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 04:12:38 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-26.061 dBm

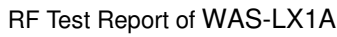
10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#Res BW 120 kHz #VBW 360 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq 2.500000000 GHz
Start Freq 2.490500000 GHz
Stop Freq 2.509500000 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 04:12:57 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#Atten: 36 dB

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

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-23.059 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#Res BW 120 kHz #VBW 360 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

Stop Freq
2.509500000 GHz

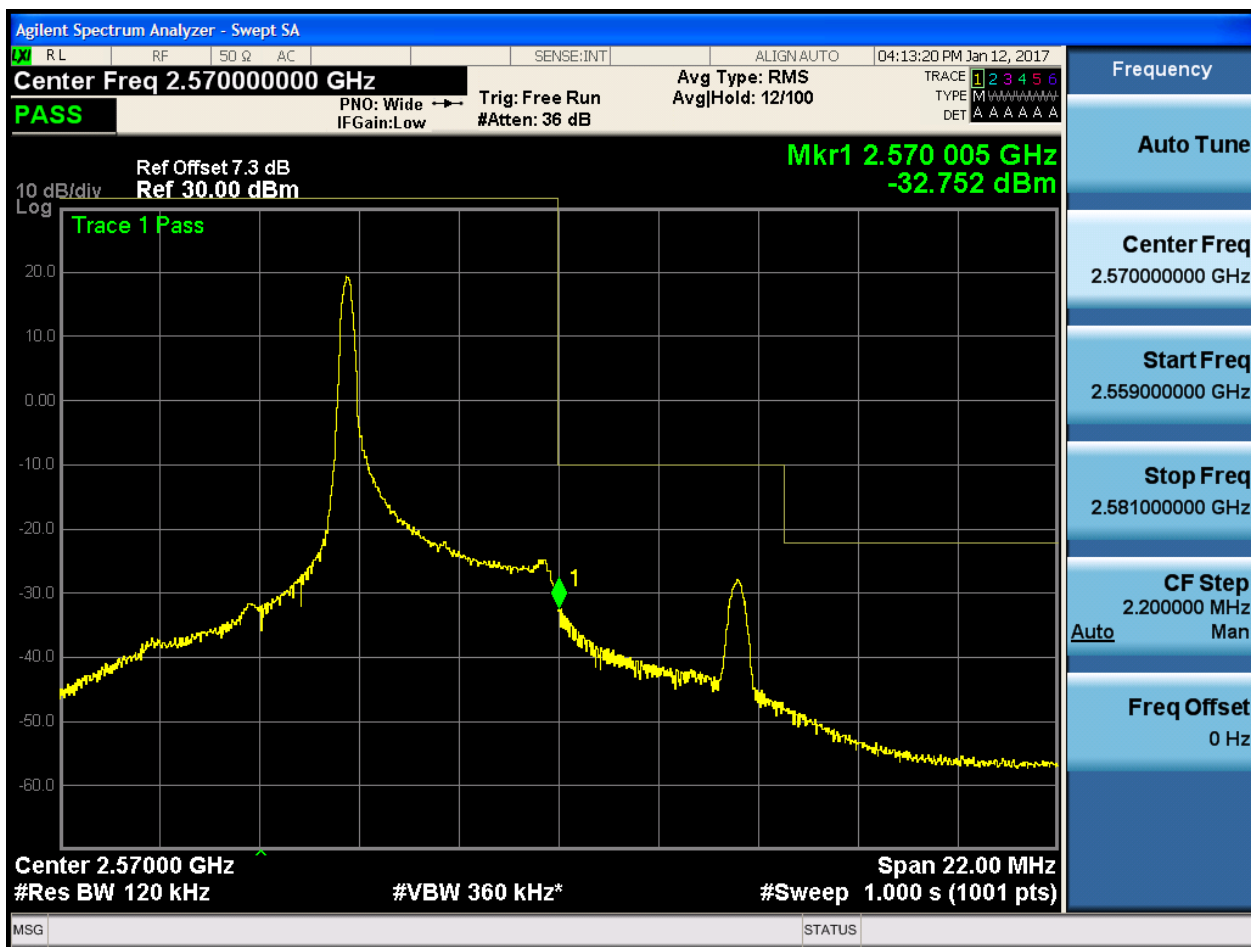
CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



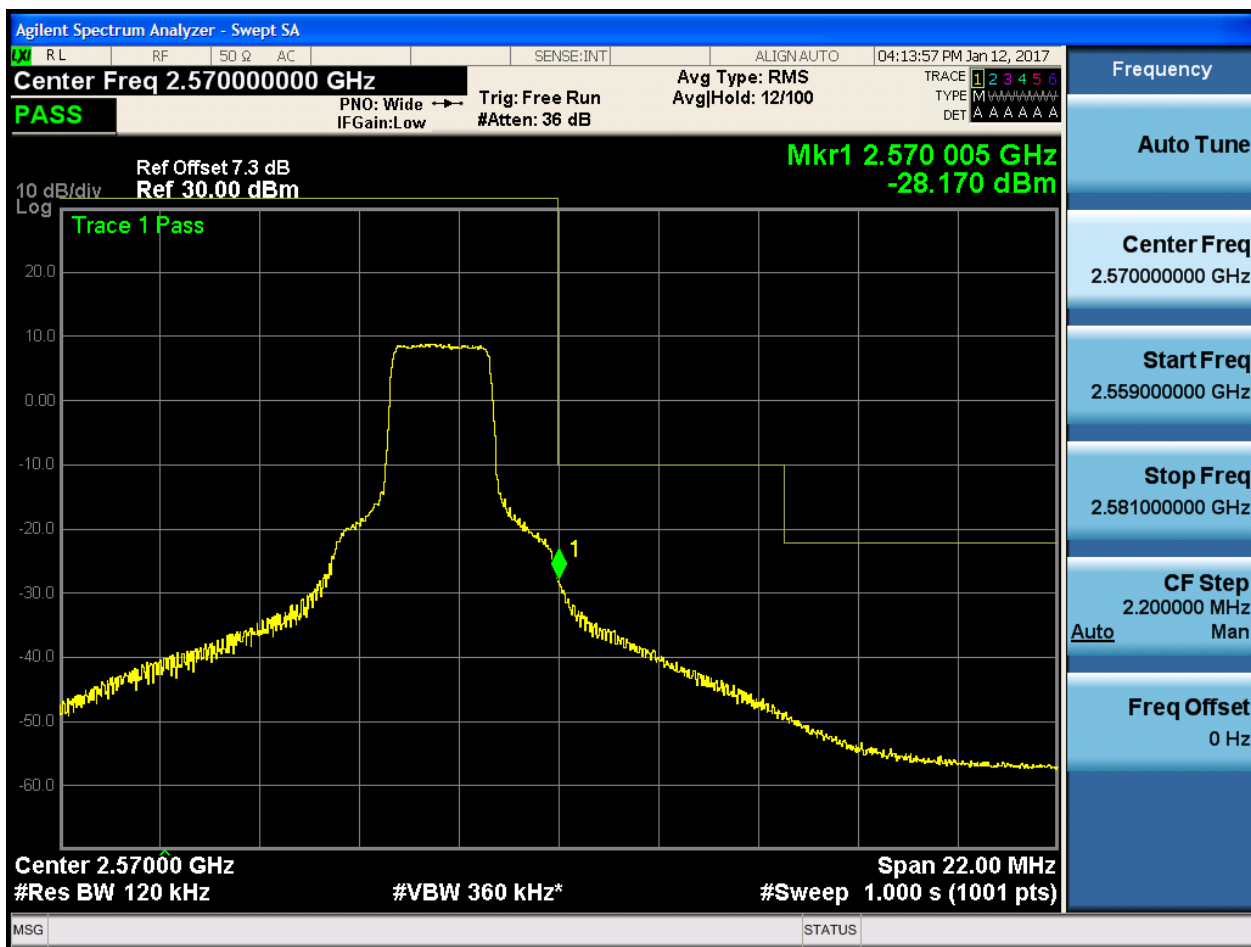


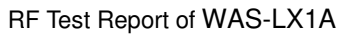
5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:14:16 PM Jan 12, 2017

Center Freq 2.570000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 2.570 005 GHz
-23.744 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.57000 GHz
#Res BW 120 kHz

#VBW 360 kHz*

Span 22.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.559000000 GHz

Stop Freq
2.581000000 GHz

CF Step
2.200000 MHz
Auto Man

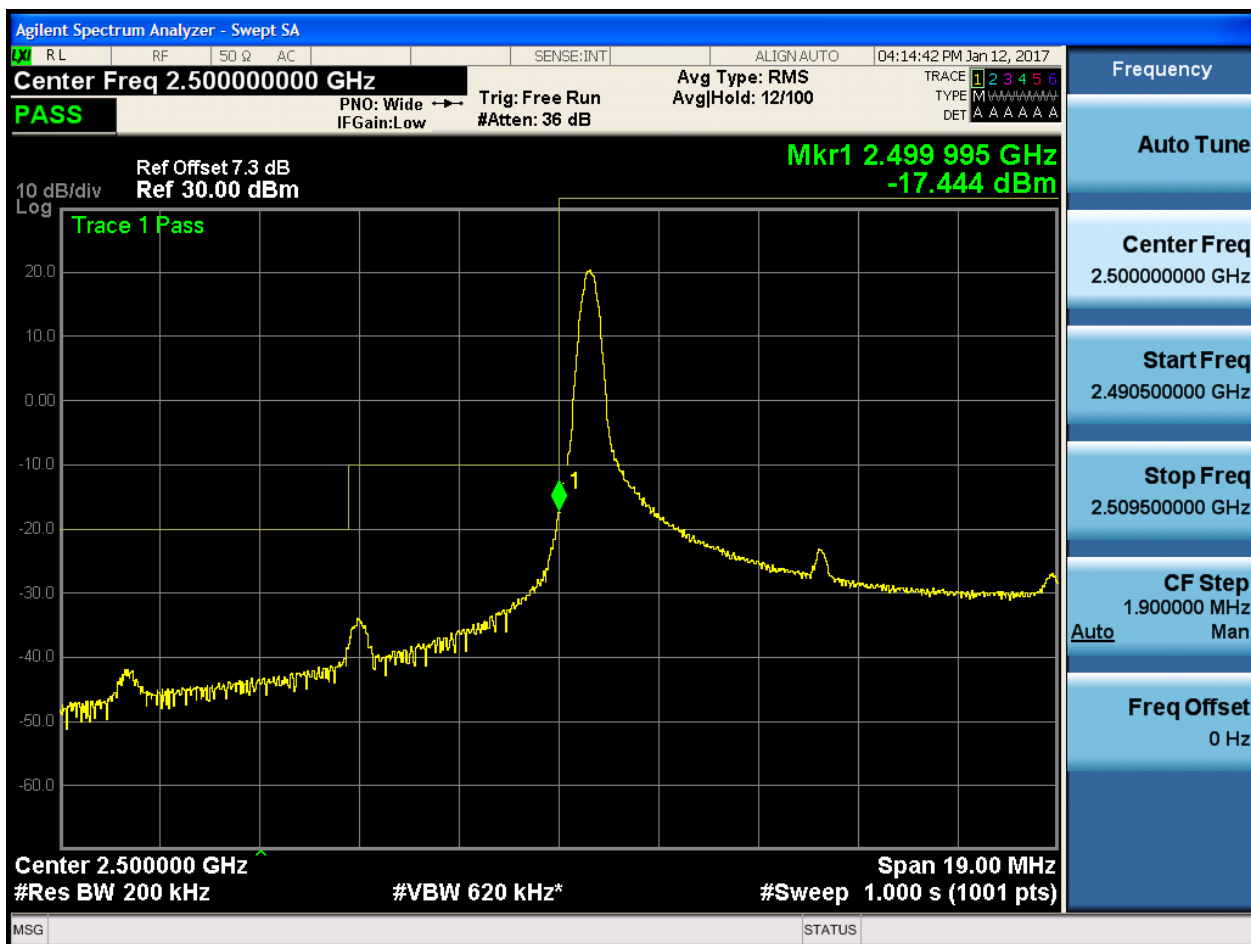
Freq Offset
0 Hz



5.1.1.2.2 Test Bandwidth = 10

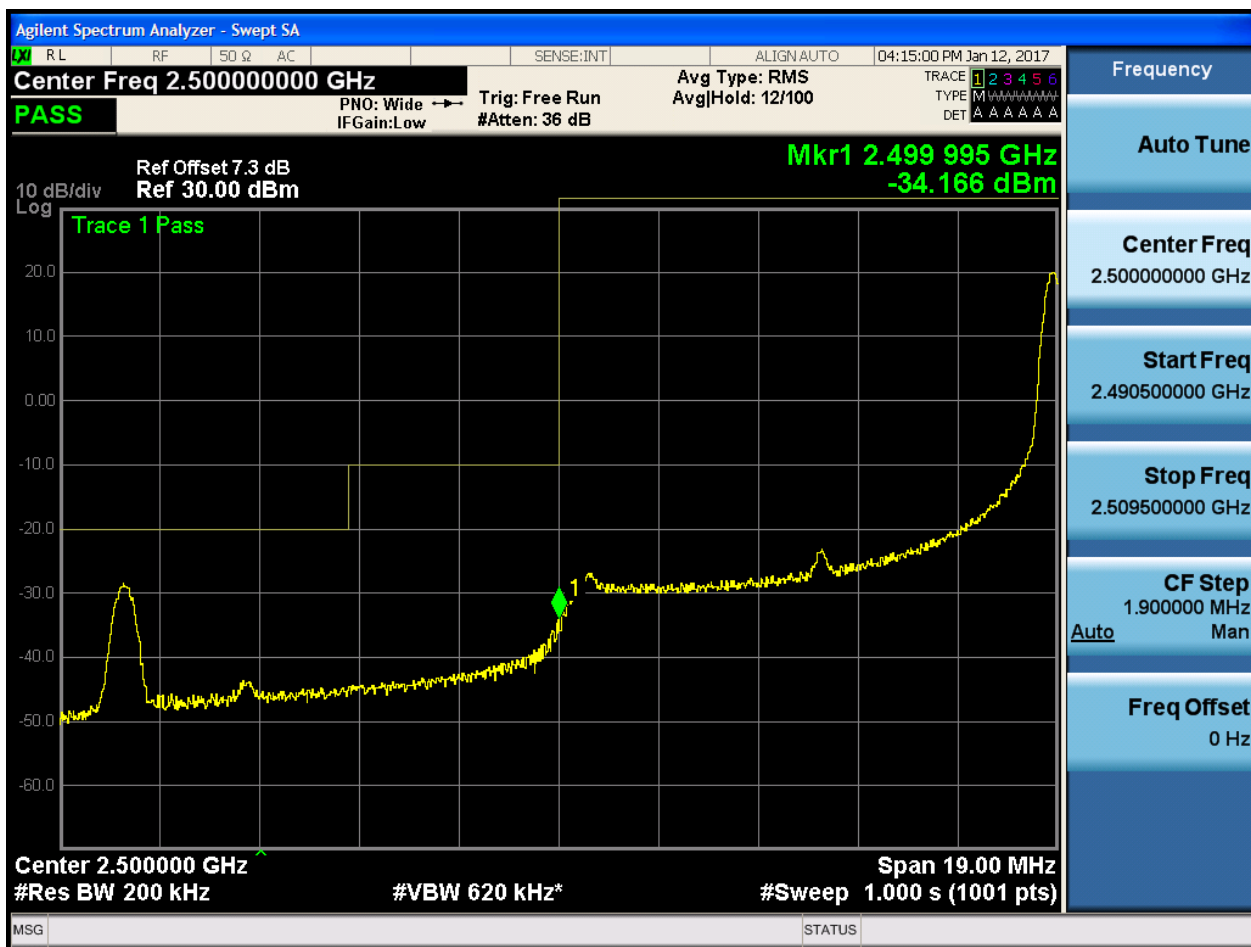
5.1.1.2.2.1 Test Channel = LCH

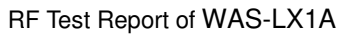
5.1.1.2.2.1.1 Test RB = RB1#0





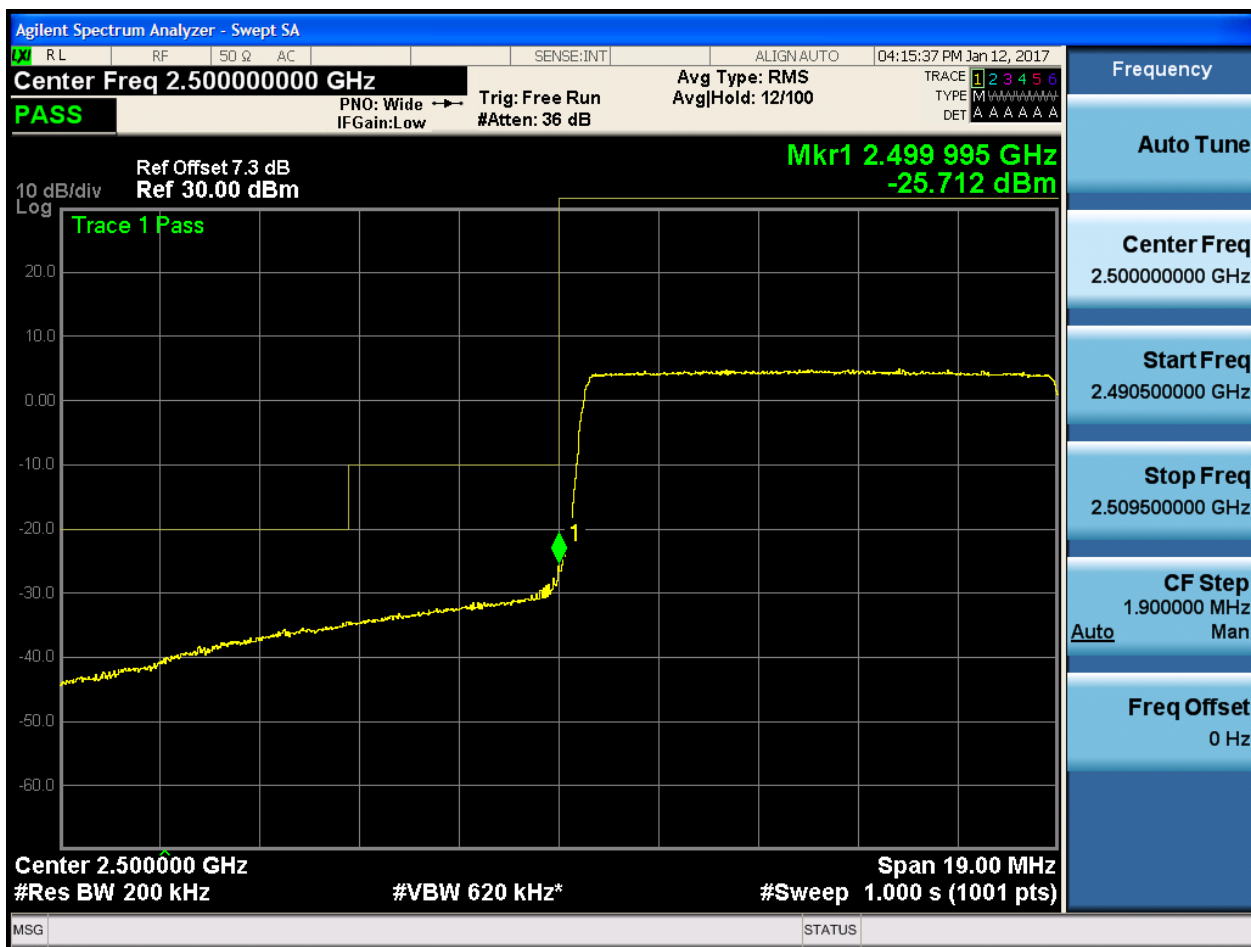
5.1.1.2.2.1.2 Test RB = RB1#49



[illegible]



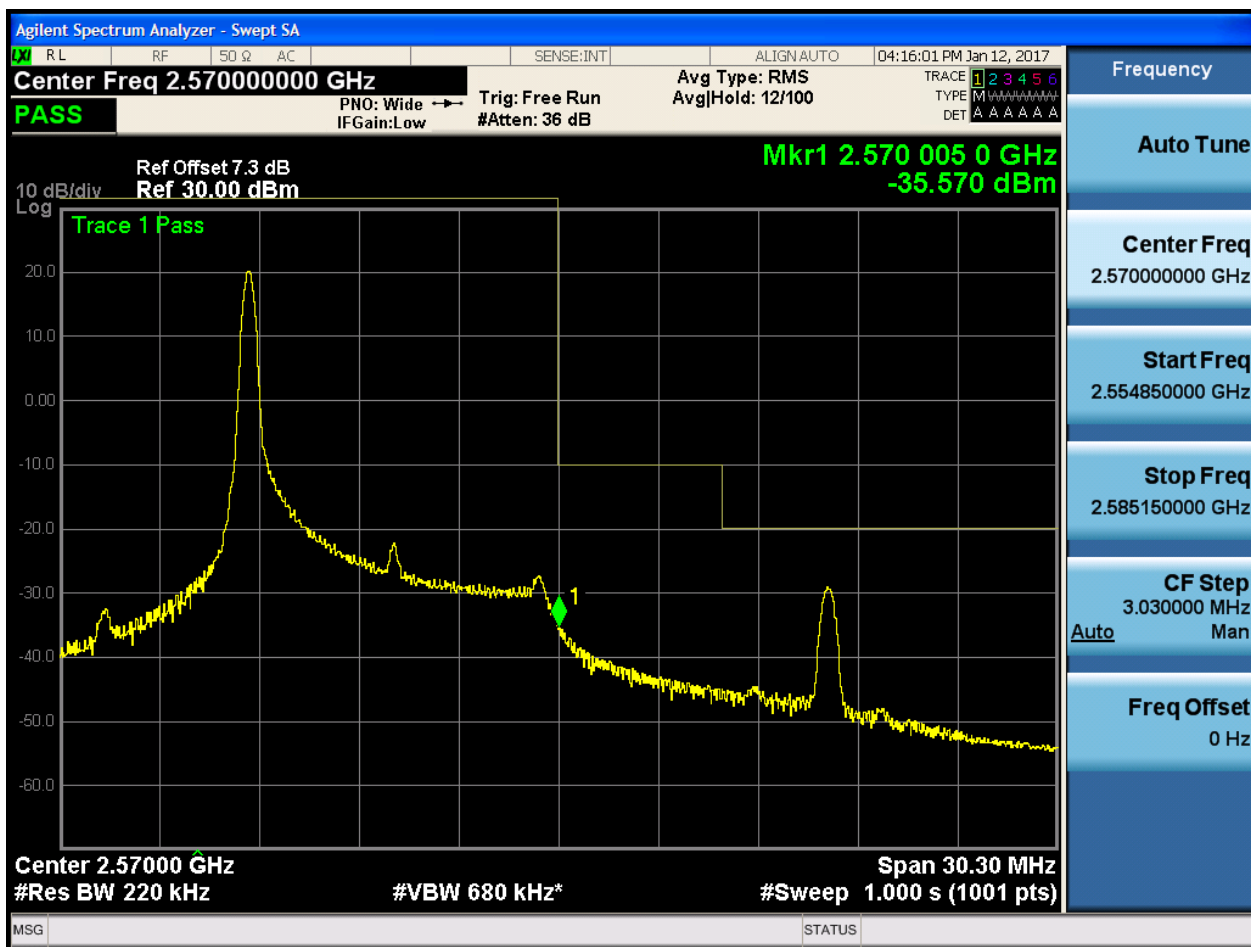
5.1.1.2.2.1.4 Test RB = RB50#0





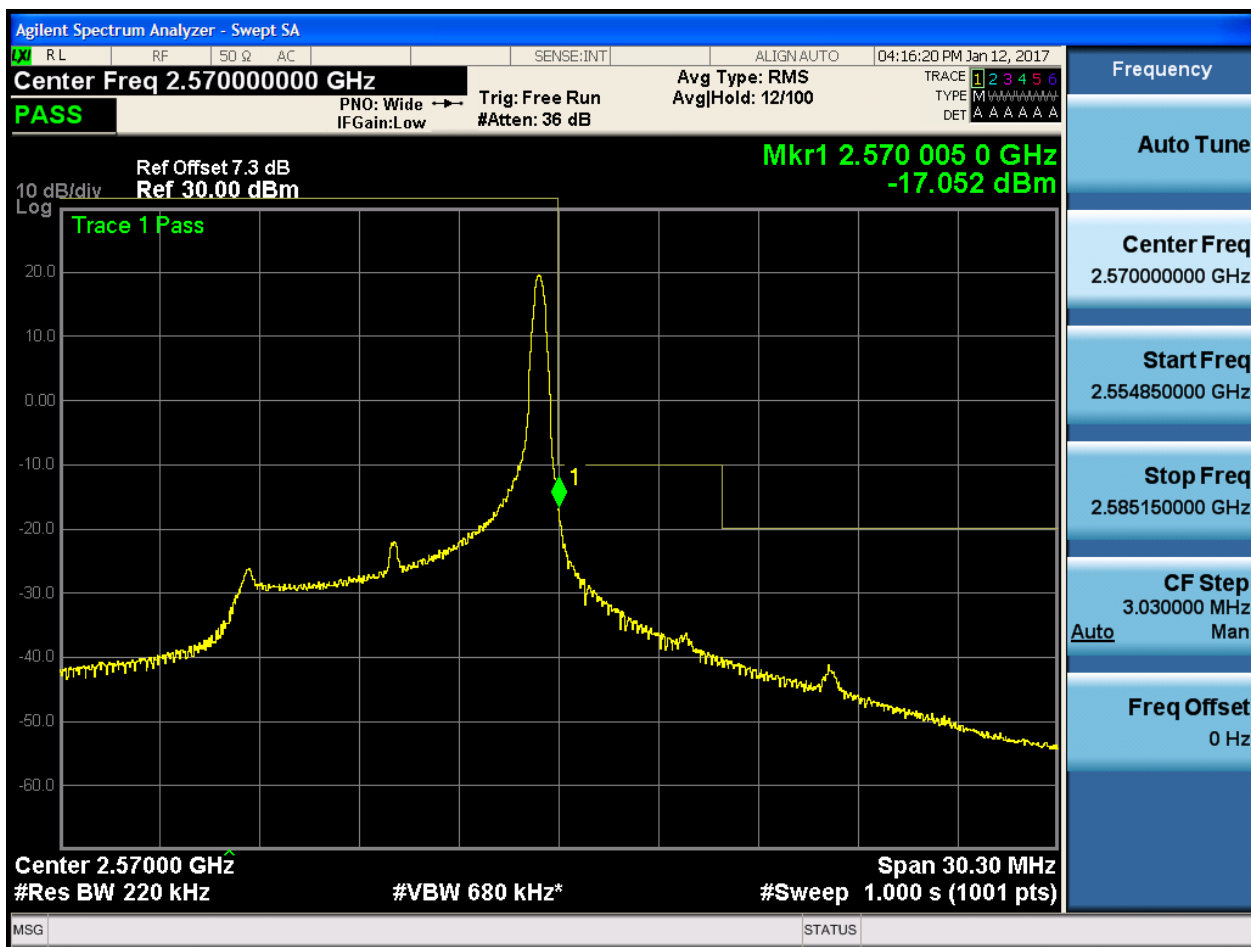
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



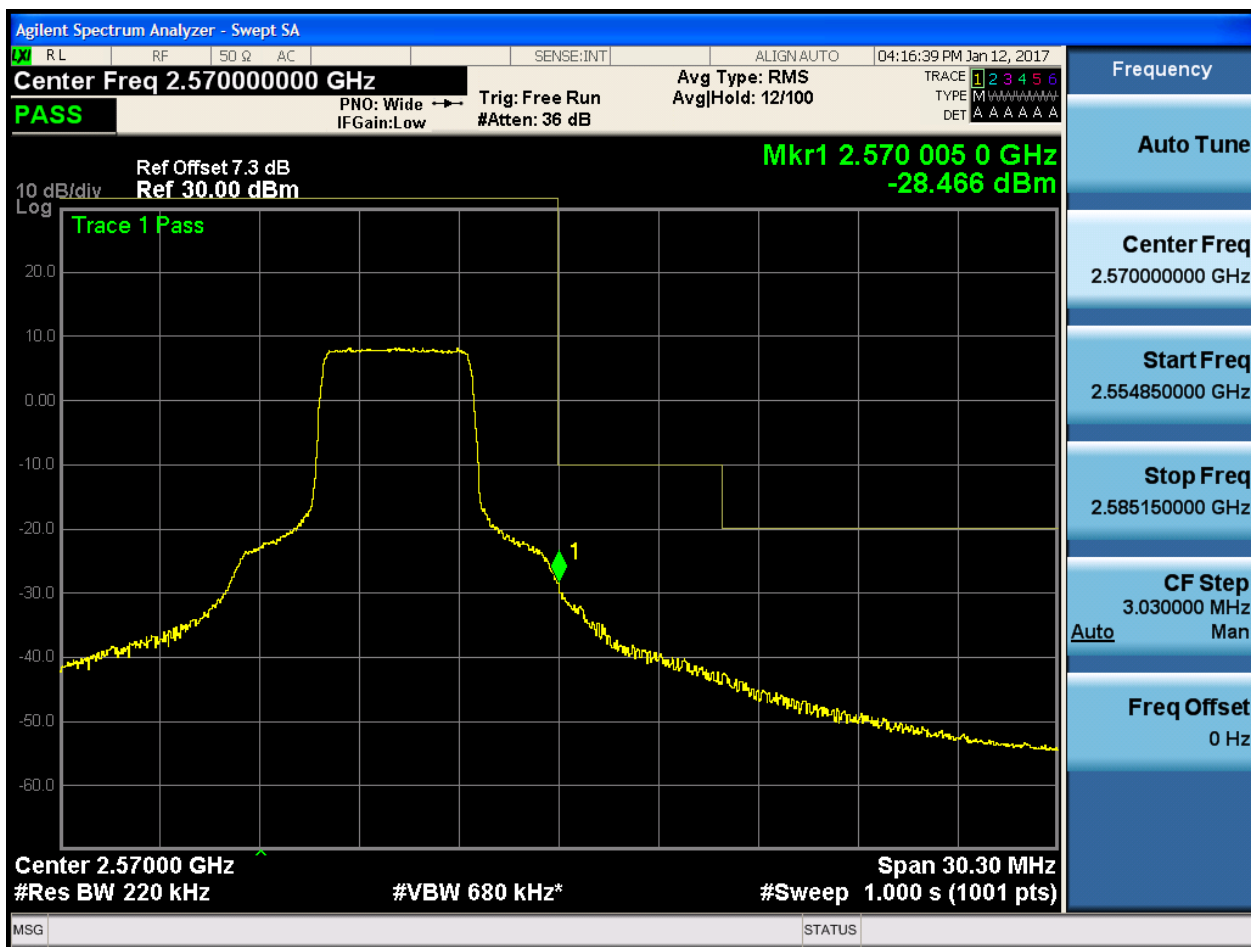


5.1.1.2.2.2.2 Test RB = RB1#49





5.1.1.2.2.3 Test RB = RB25#13





5.1.1.2.2.4 Test RB = RB50#0

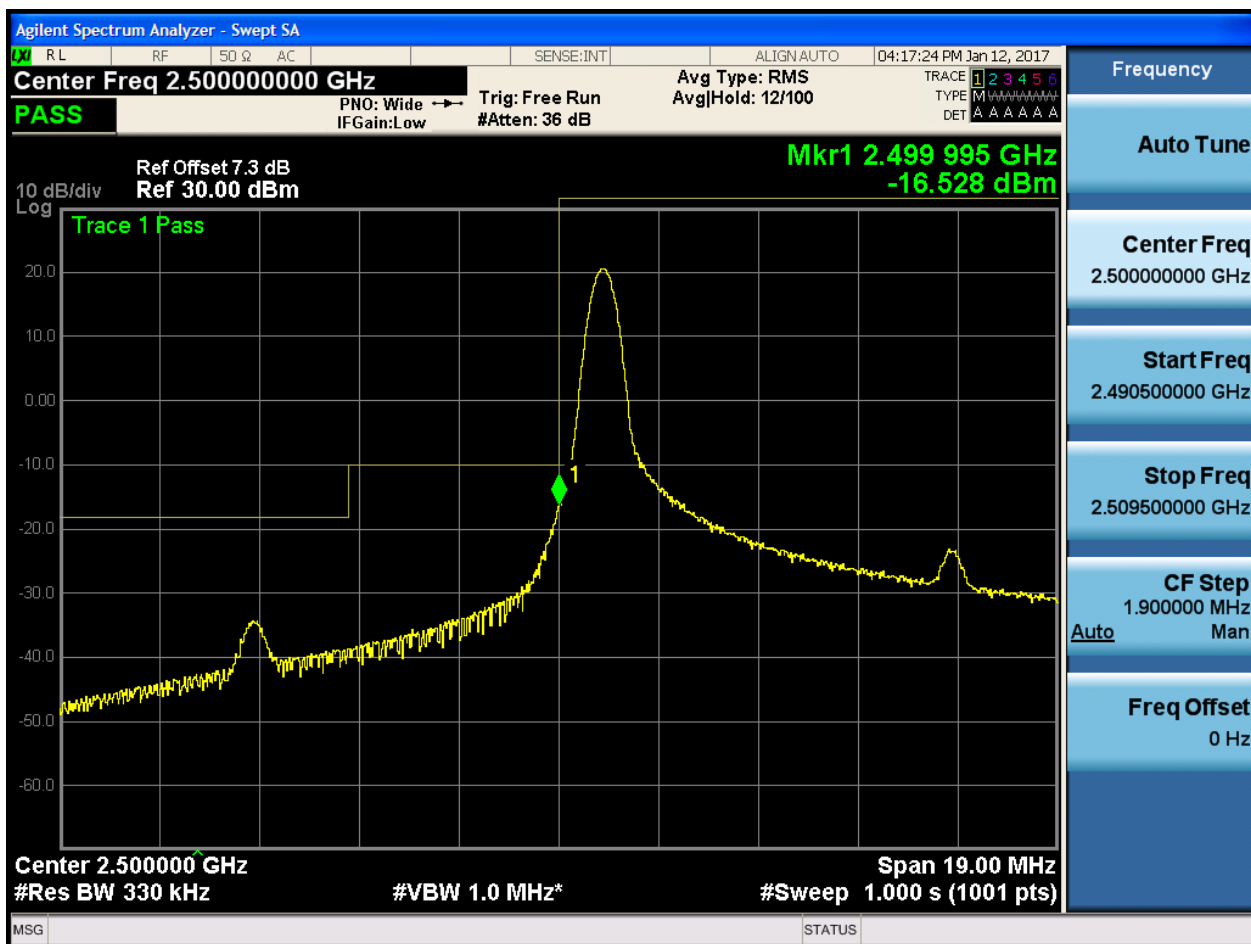




5.1.1.2.3 Test Bandwidth = 15

5.1.1.2.3.1 Test Channel = LCH

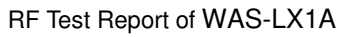
5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.500000000 GHz

PASS

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-30.581 dBm

Trace 1 Pass

Center 2.500000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*

Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

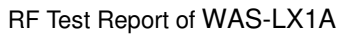
Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

Stop Freq
2.509500000 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 04:18:21 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 2.499 995 GHz
-26.216 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#Res BW 330 kHz #VBW 1.0 MHz* #Sweep 1.000 s (1001 pts)

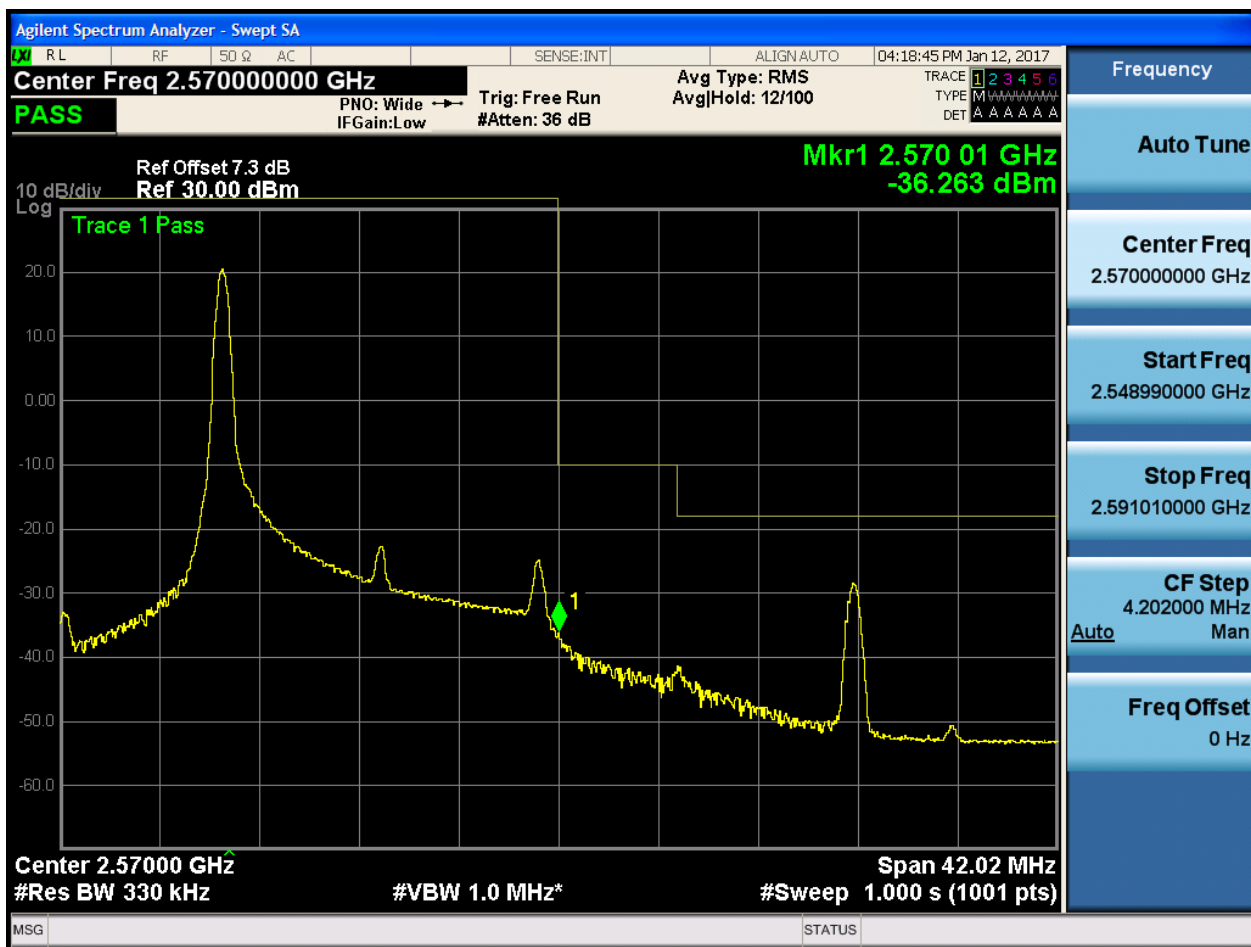
MSG STATUS

Frequency
Auto Tune
Center Freq 2.500000000 GHz
Start Freq 2.490500000 GHz
Stop Freq 2.509500000 GHz
CF Step 1.900000 MHz Auto Man
Freq Offset 0 Hz



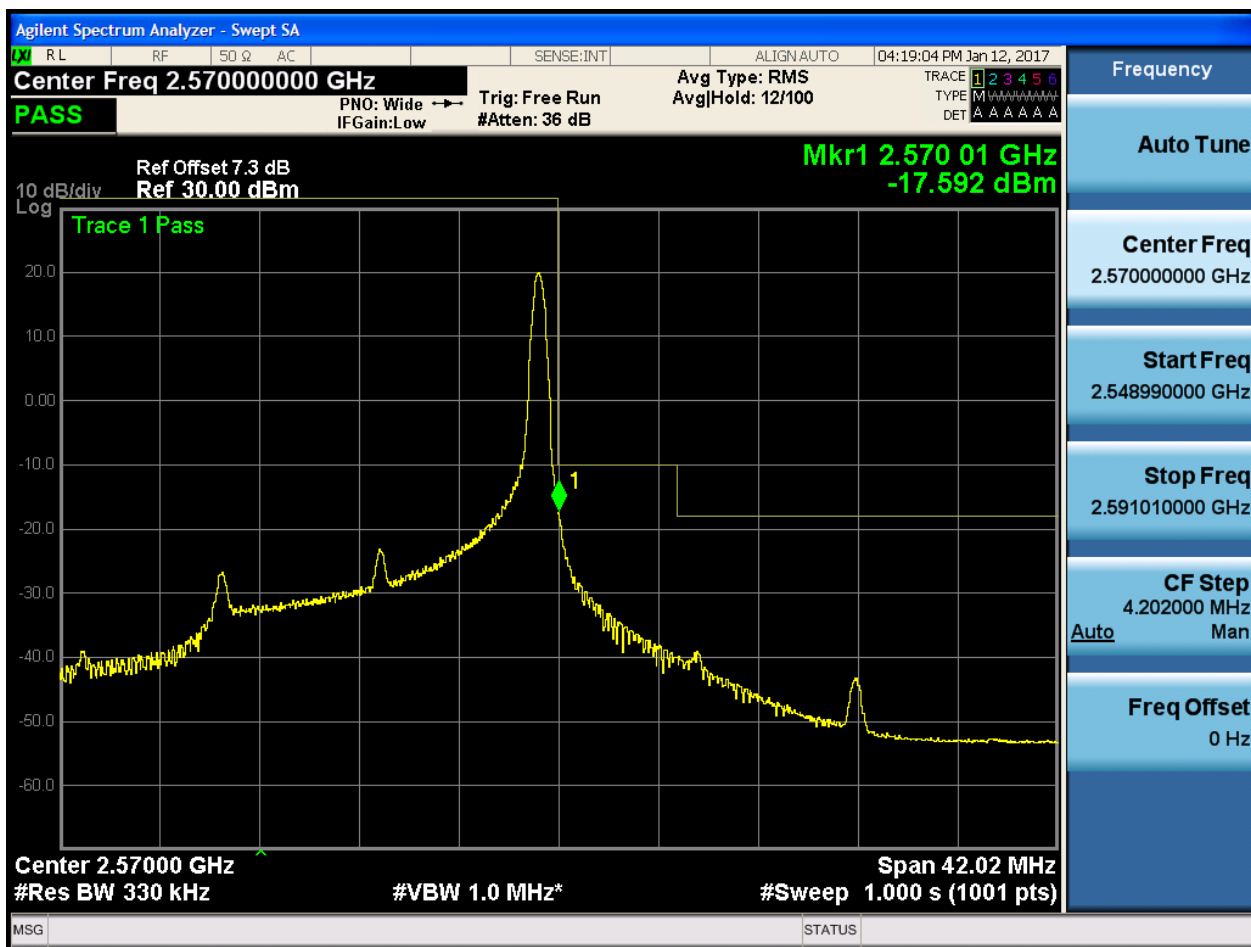
5.1.1.2.3.2 Test Channel = HCH

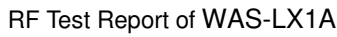
5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:19:22 PM Jan 12, 2017

Center Freq 2.57000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
#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 2.570 01 GHz
-29.103 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.57000 GHz
#Res BW 330 kHz #VBW 1.0 MHz*
Span 42.02 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.57000000 GHz

Start Freq
2.548990000 GHz

Stop Freq
2.591010000 GHz

CF Step
4.202000 MHz
Auto Man

Freq Offset
0 Hz



5.1.1.2.3.2.4 Test RB = RB75#0

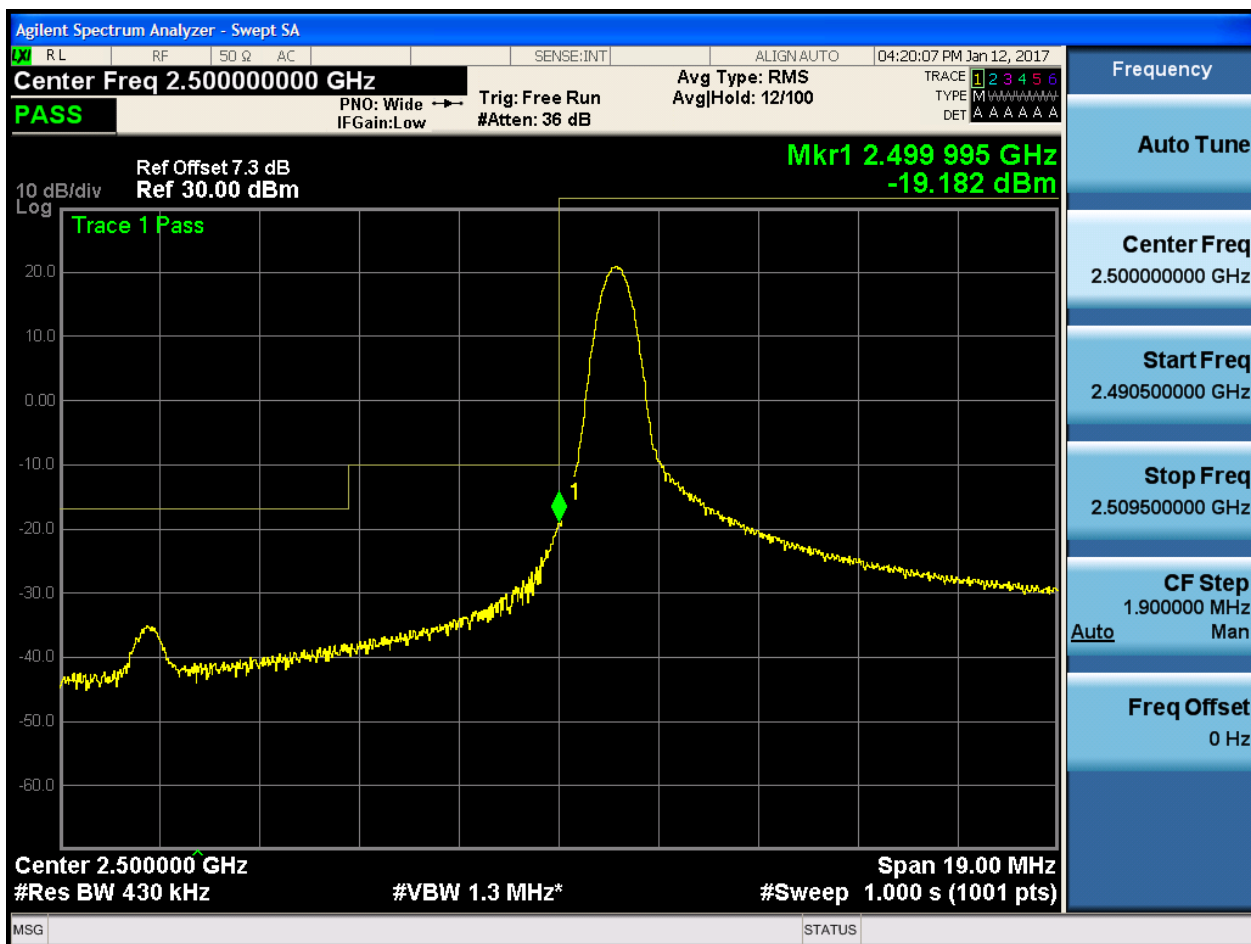


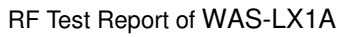


5.1.1.2.4 Test Bandwidth = 20

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:20:27 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
#Res BW 430 kHz IFGain:Low Trig: Free Run AvgHold: 12/100
PNO: Wide → #Atten: 36 dB

PASS

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-35.956 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#VBW 1.3 MHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

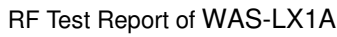
Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

Stop Freq
2.509500000 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 04:20:46 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
#Res BW 430 kHz IFGain:Low Trig: Free Run AvgHold: 12/100
PNO: Wide → #Atten: 36 dB

PASS

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-31.613 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz
#Res BW 430 kHz

#VBW 1.3 MHz*

Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

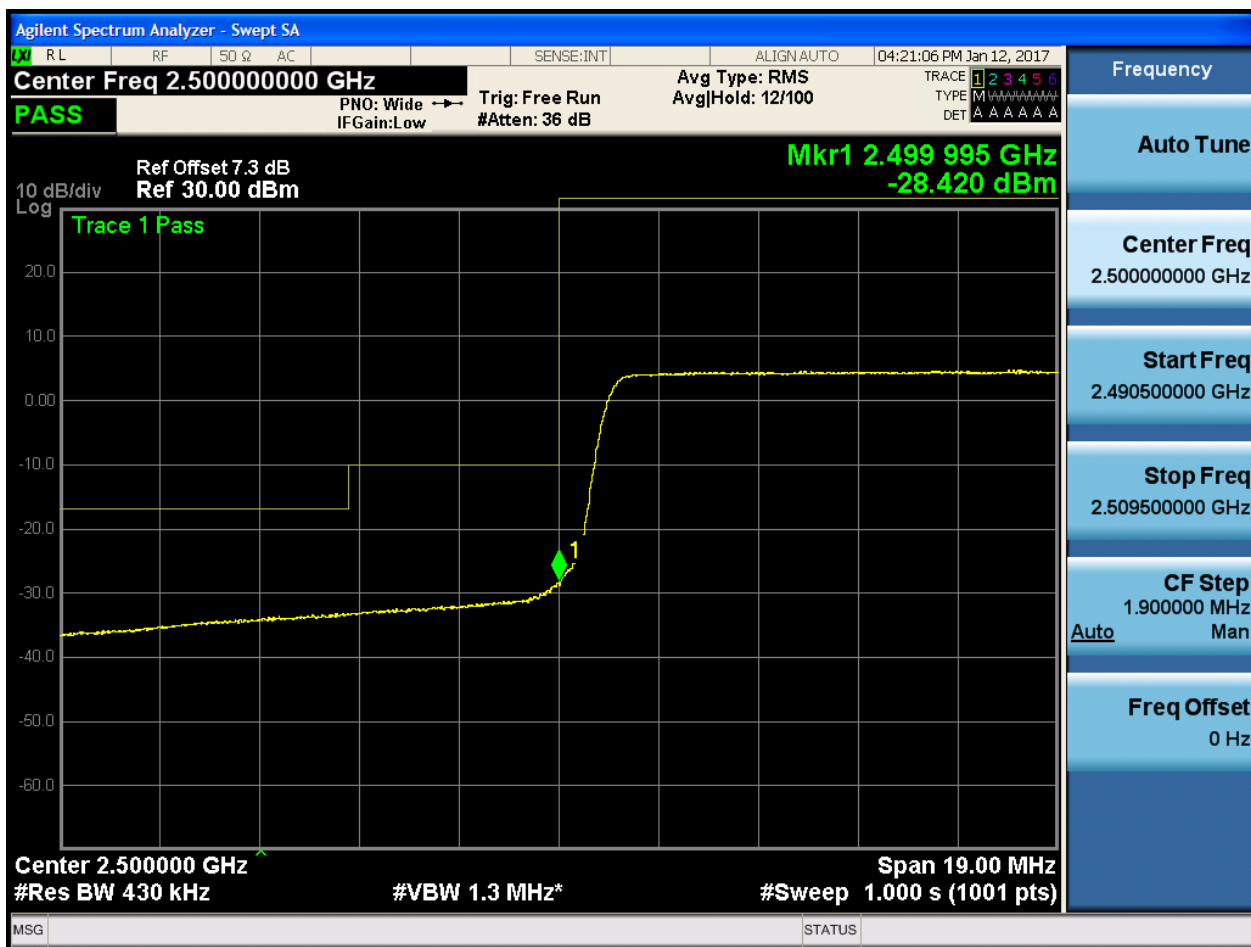
Stop Freq
2.509500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



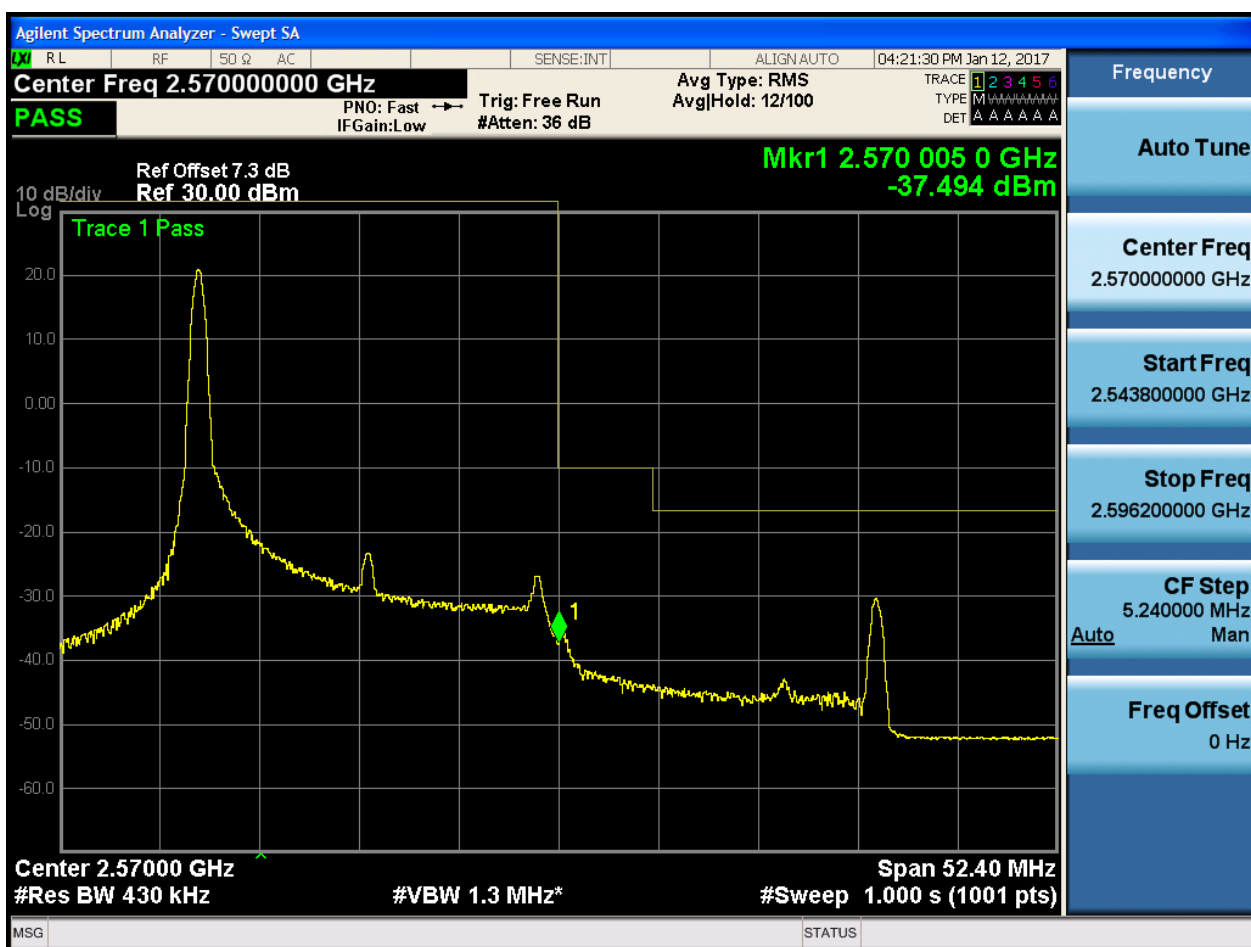
5.1.1.2.4.1.4 Test RB = RB100#0





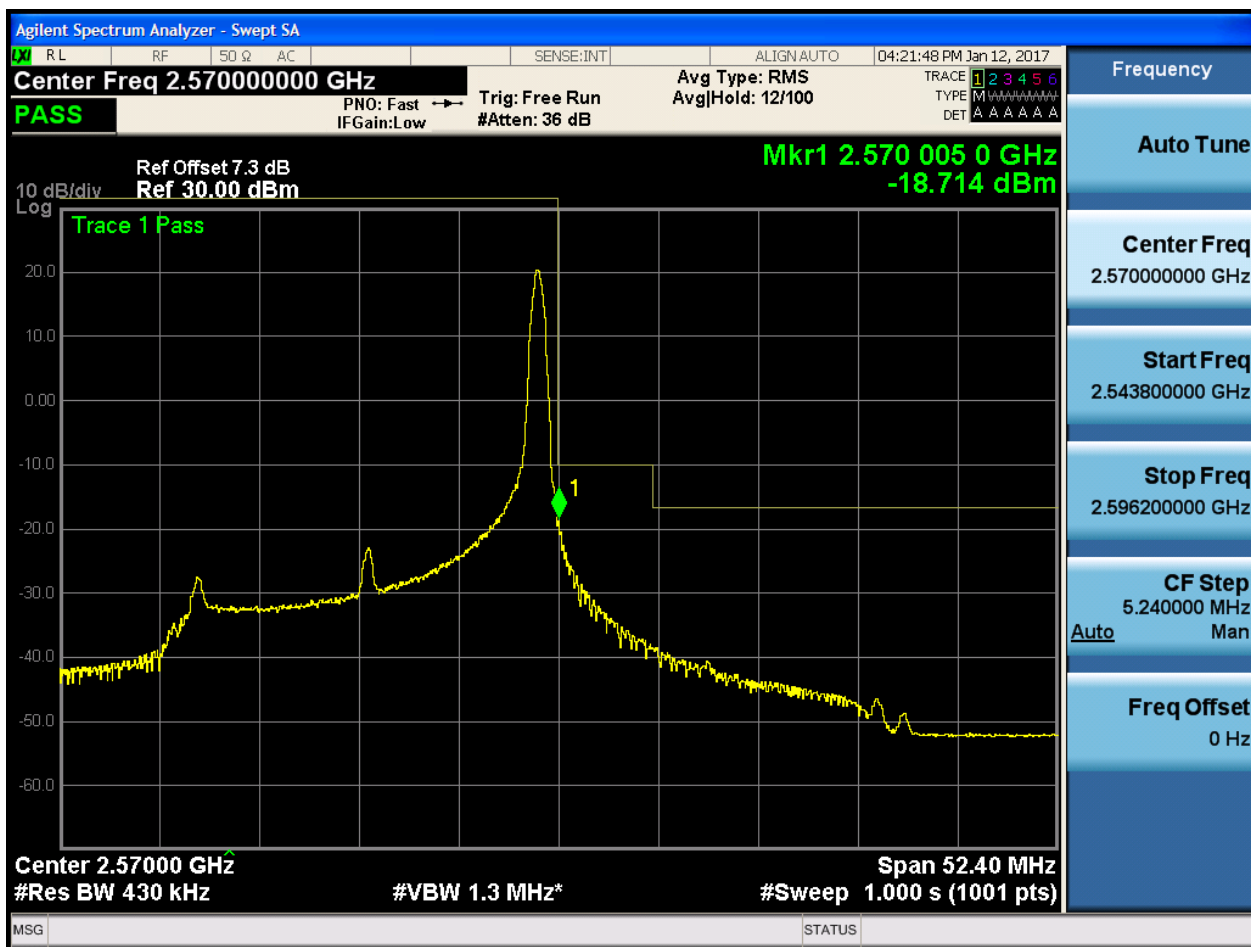
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



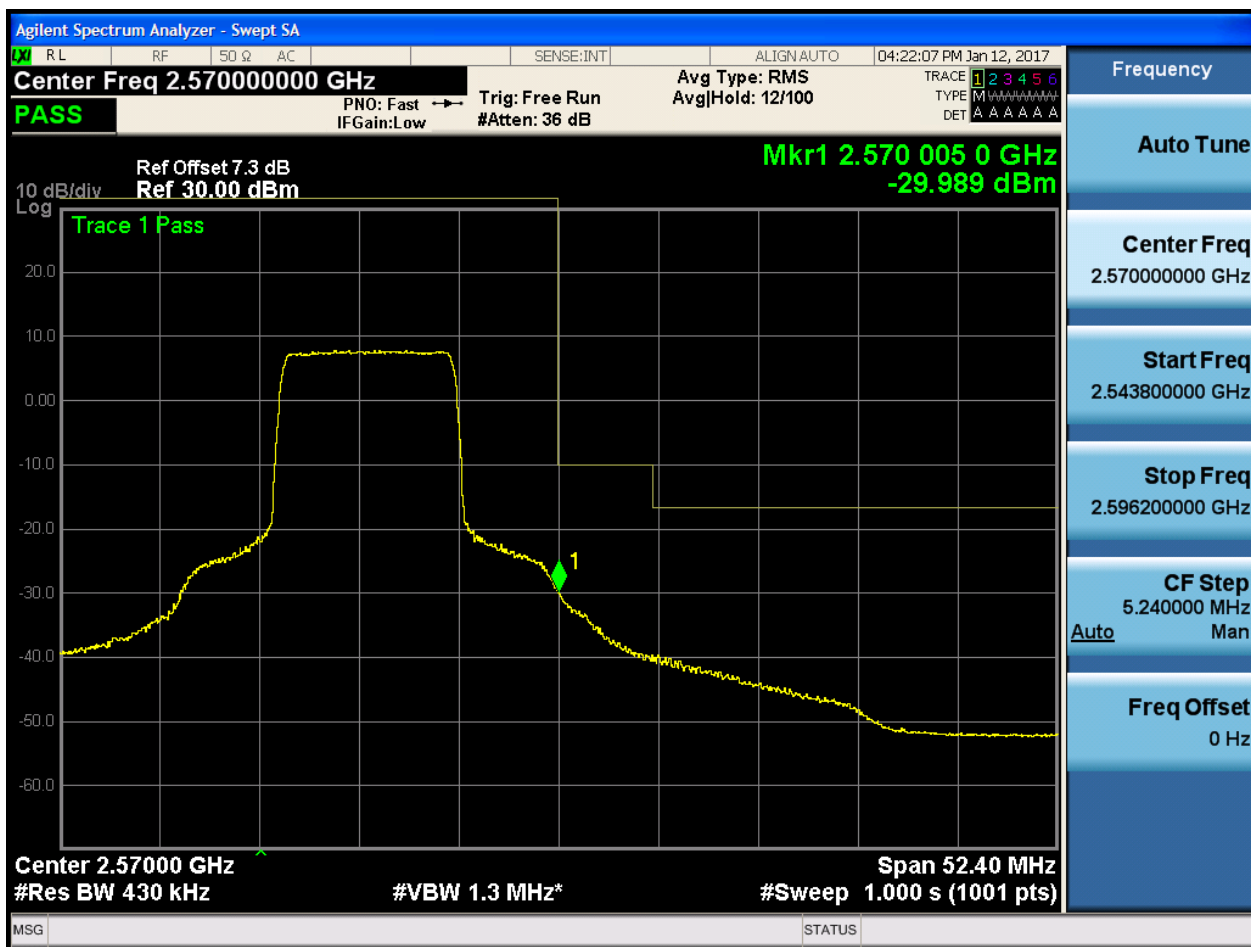


5.1.1.2.4.2.2 Test RB = RB1#99





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

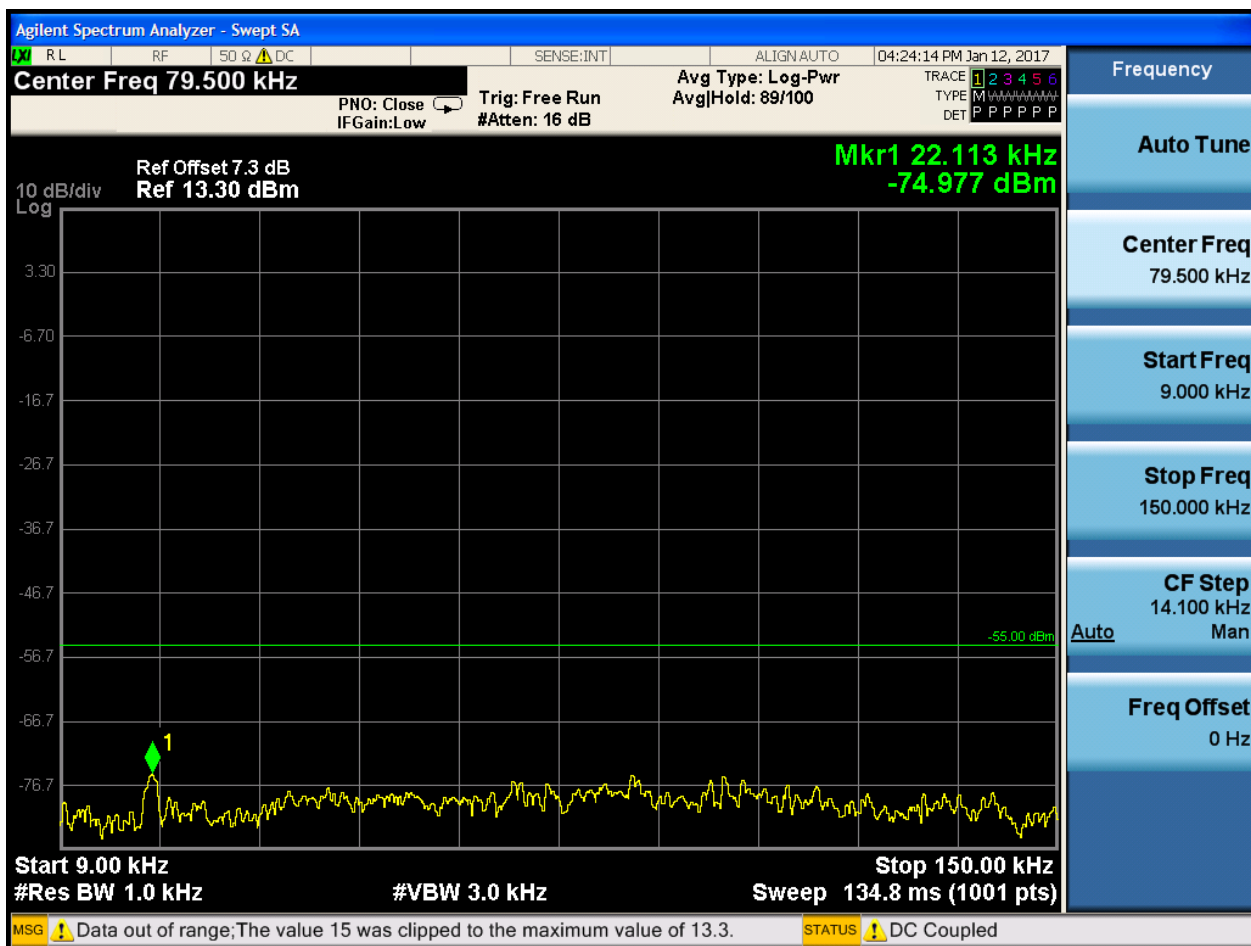
6.1.1 Test Band = BAND7

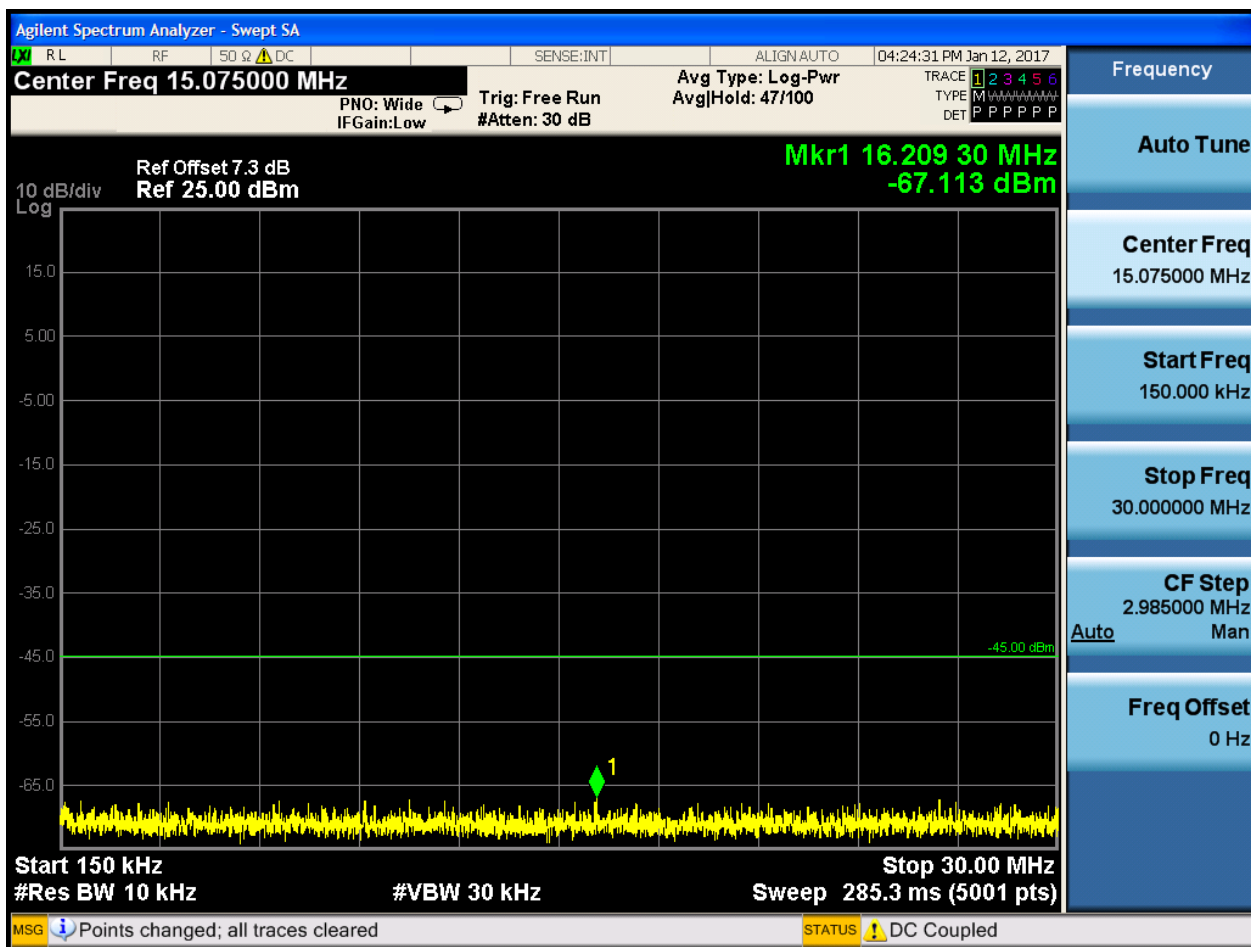
6.1.1.1 Test Mode = LTE/TM1

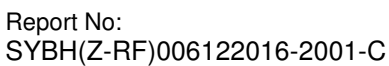
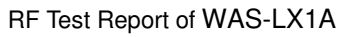
6.1.1.1.1 Test Bandwidth = 5

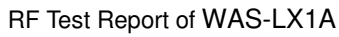
6.1.1.1.1.1 Test Channel = LCH

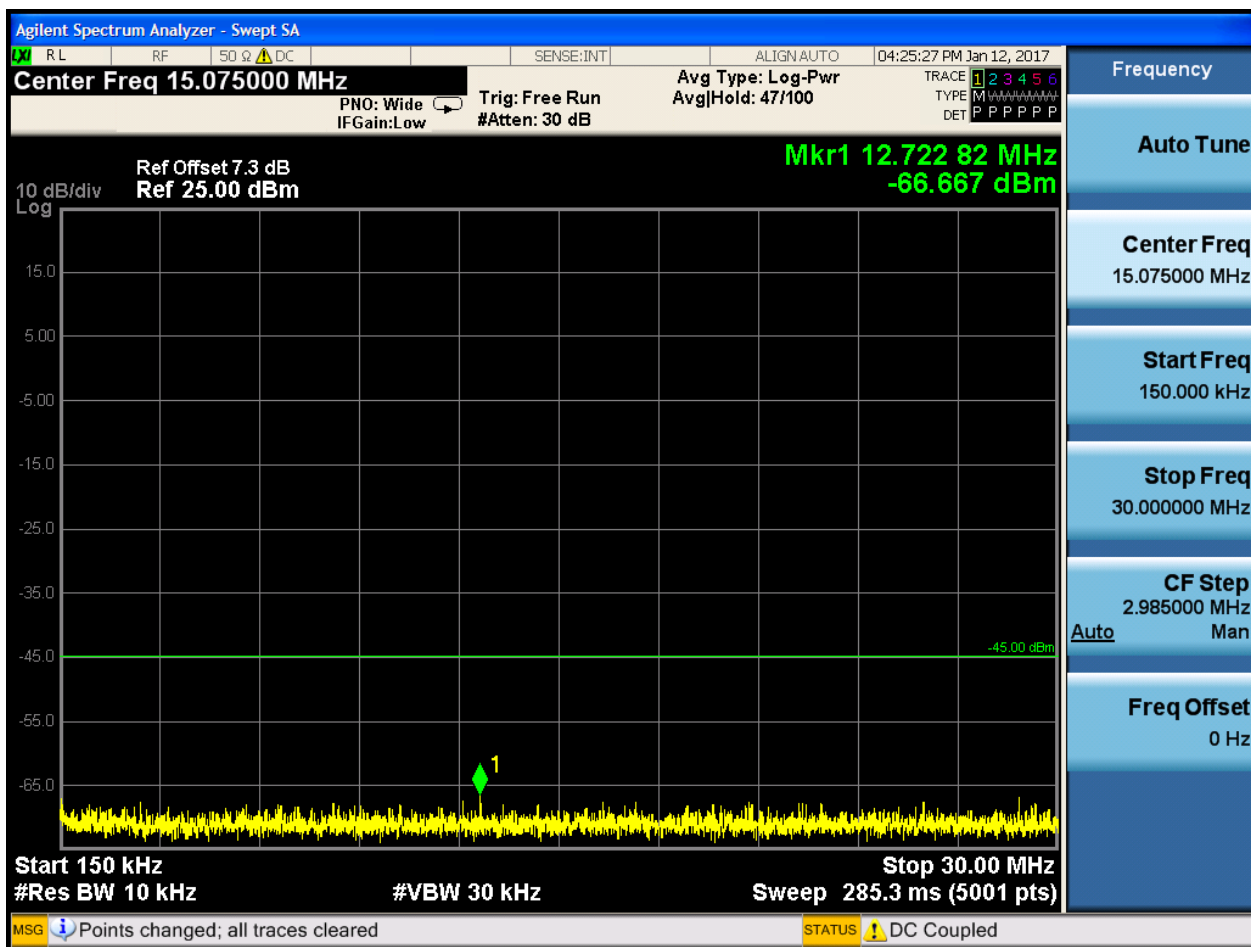
6.1.1.1.1.1.1 Test RB = RB1#0

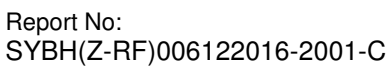
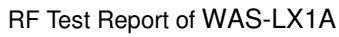


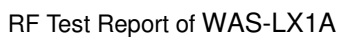












6.1.1.1.1.3.1 Test RB = RB1#0

