



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:

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

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

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

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
				RB50#0	5.48	13	PASS
				RB1#0	3.57	13	PASS
			MCH	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

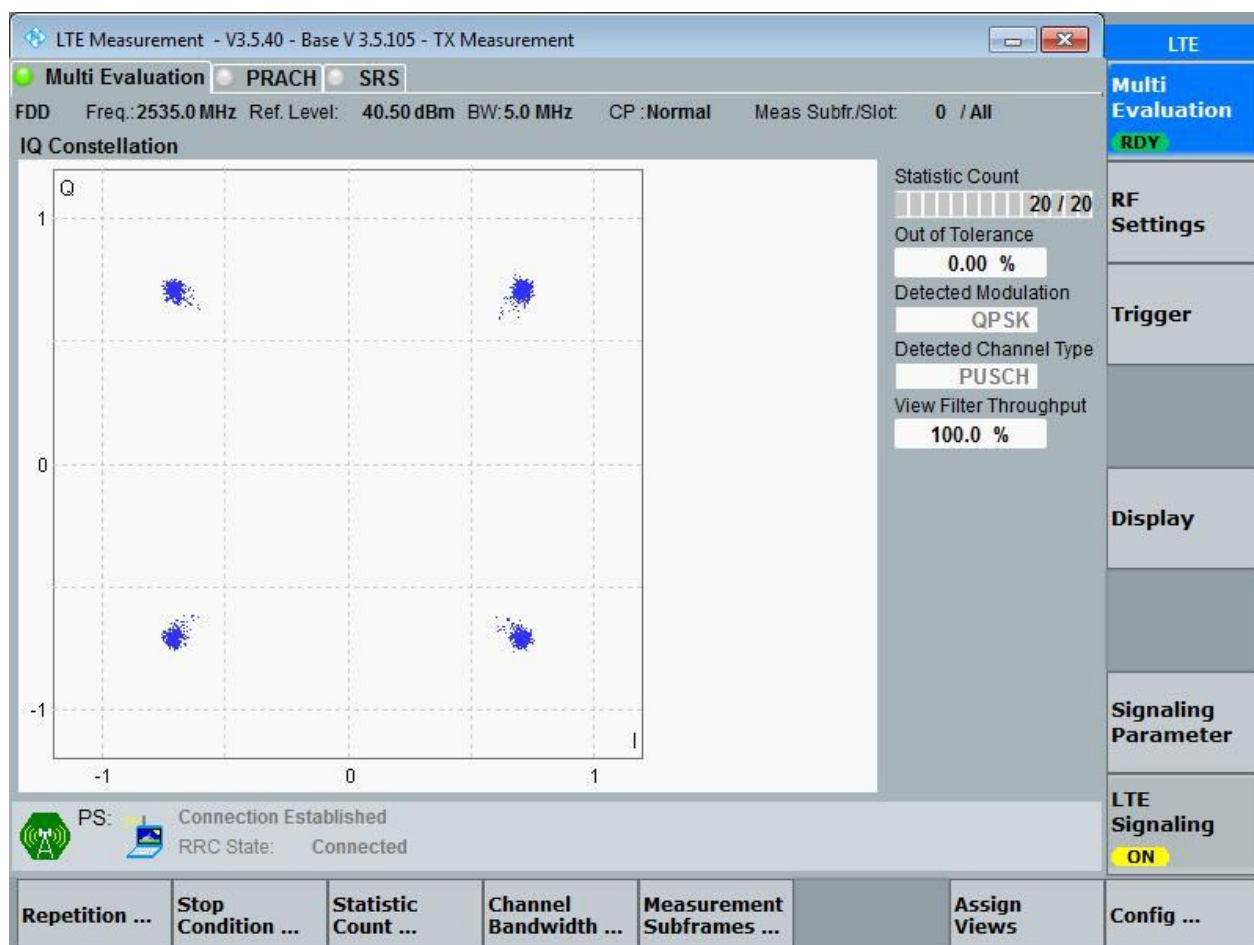
3.1.1 Test Band = BAND7

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

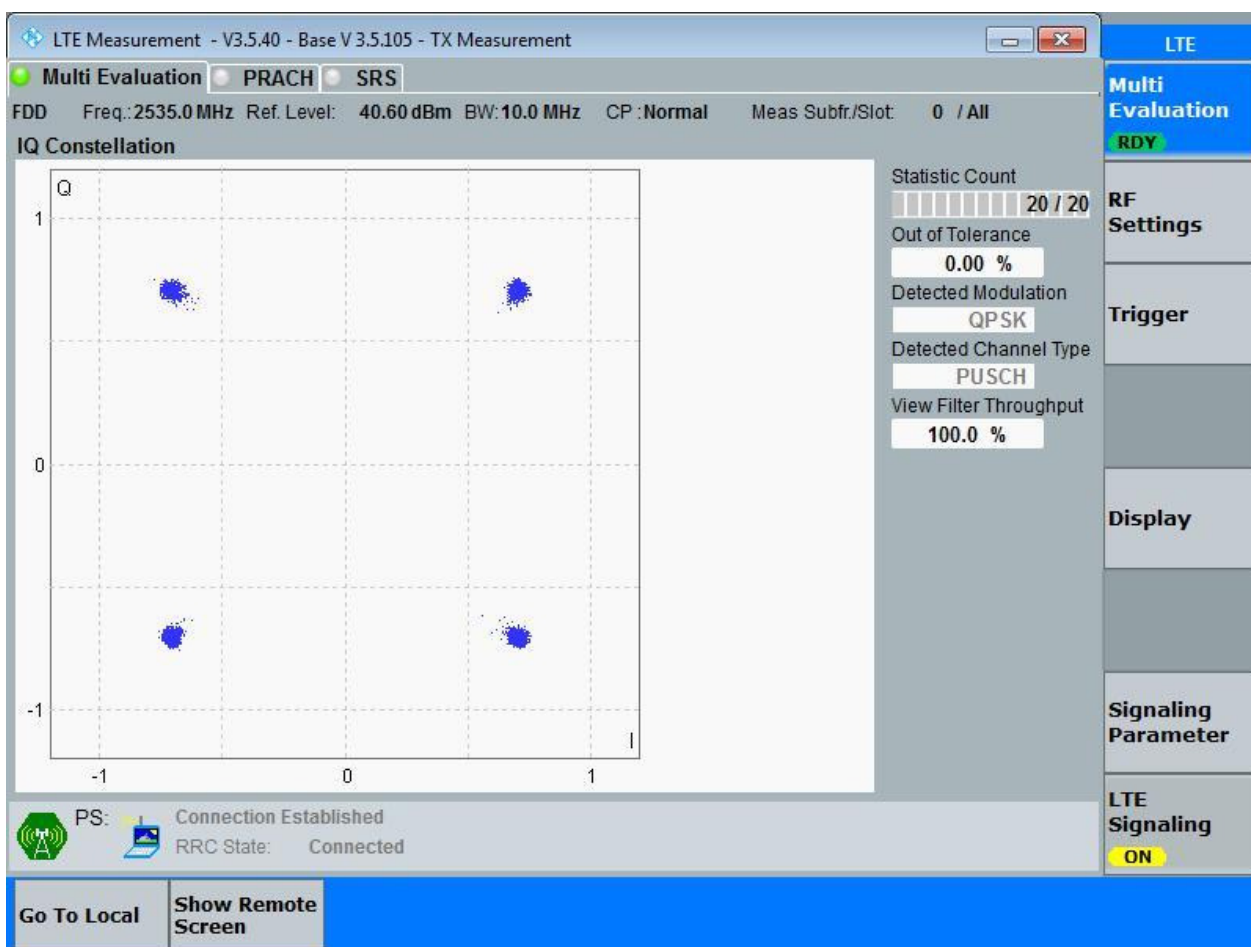
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

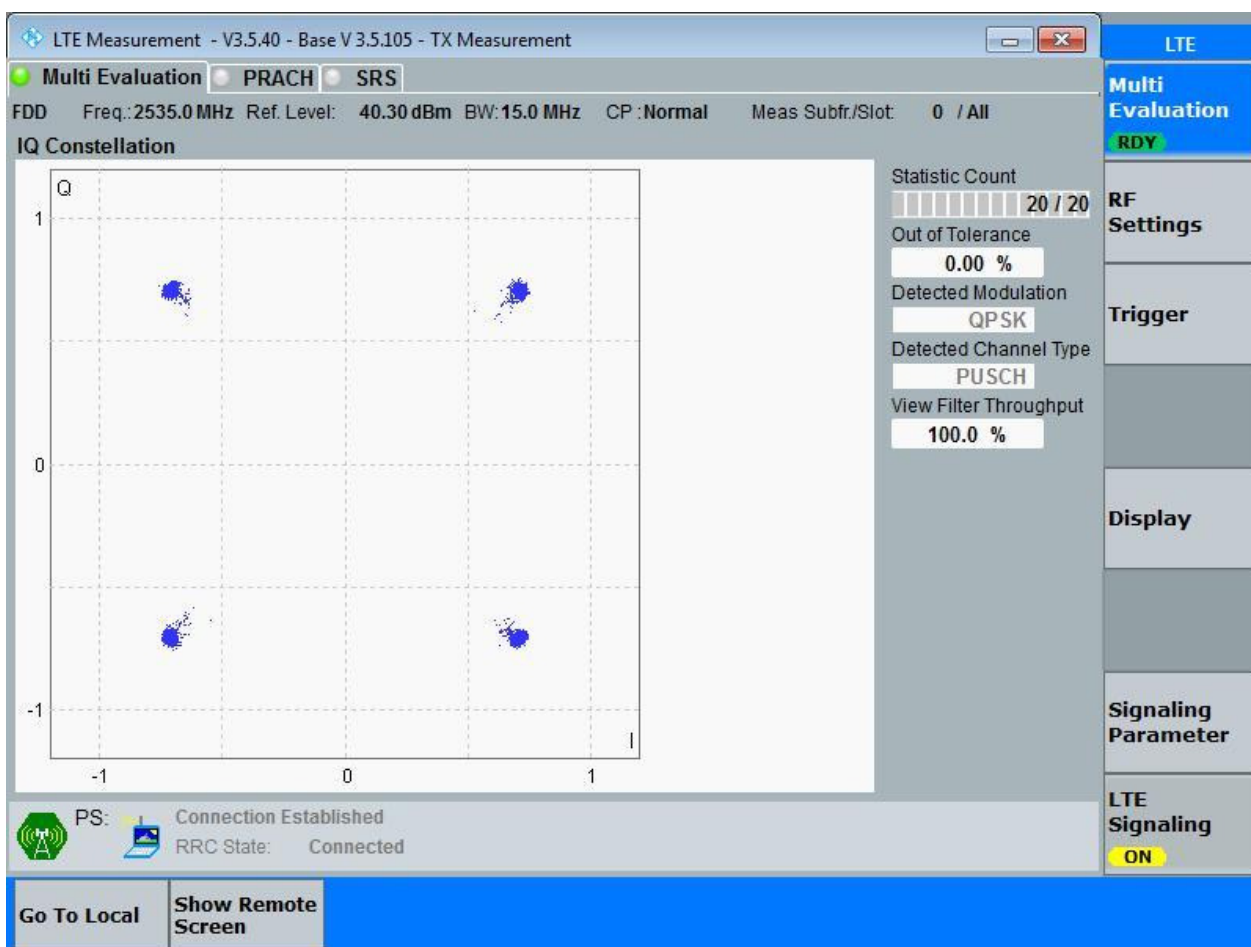
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

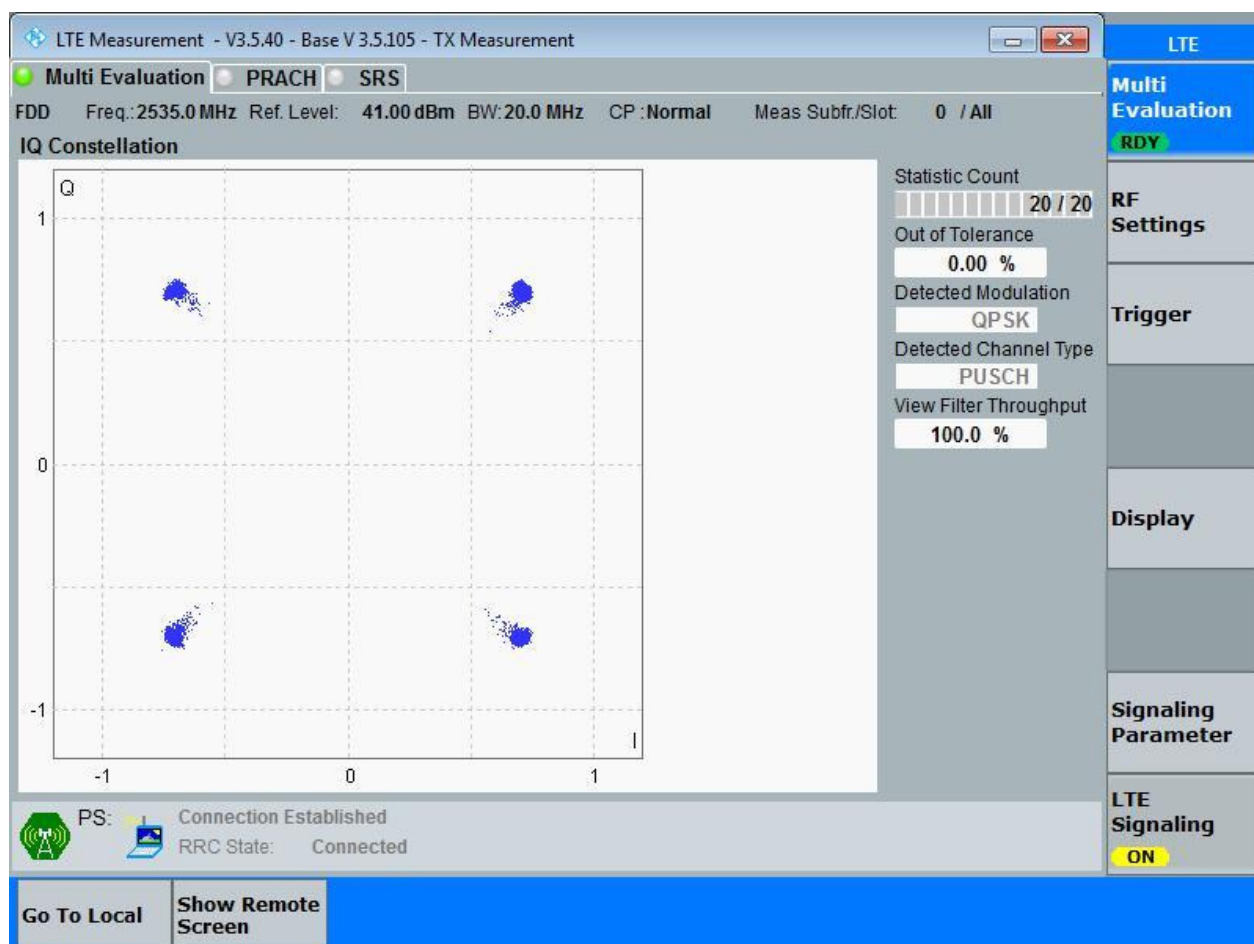
3.1.1.1.3.1.1 Test RB = RB75#0



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

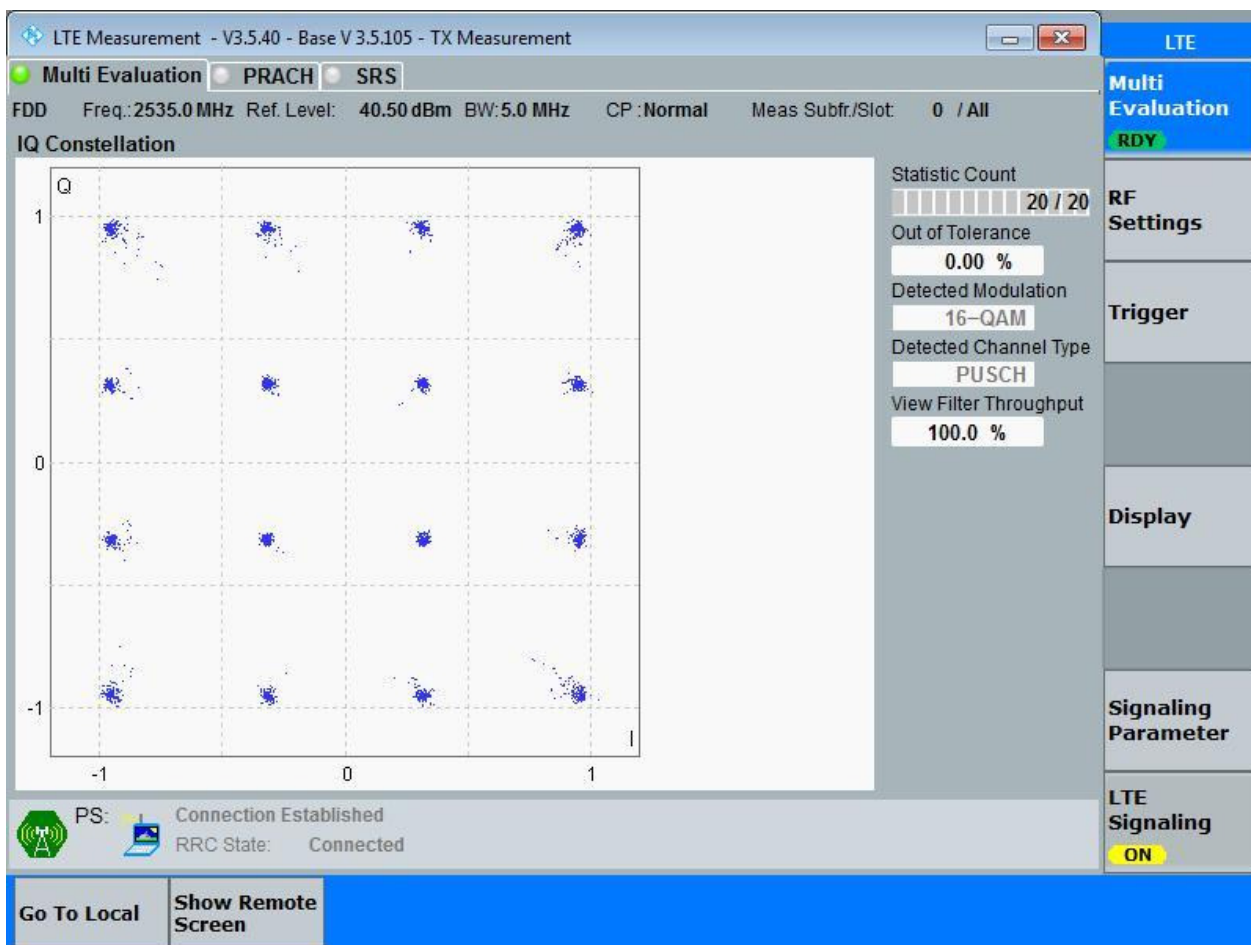


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

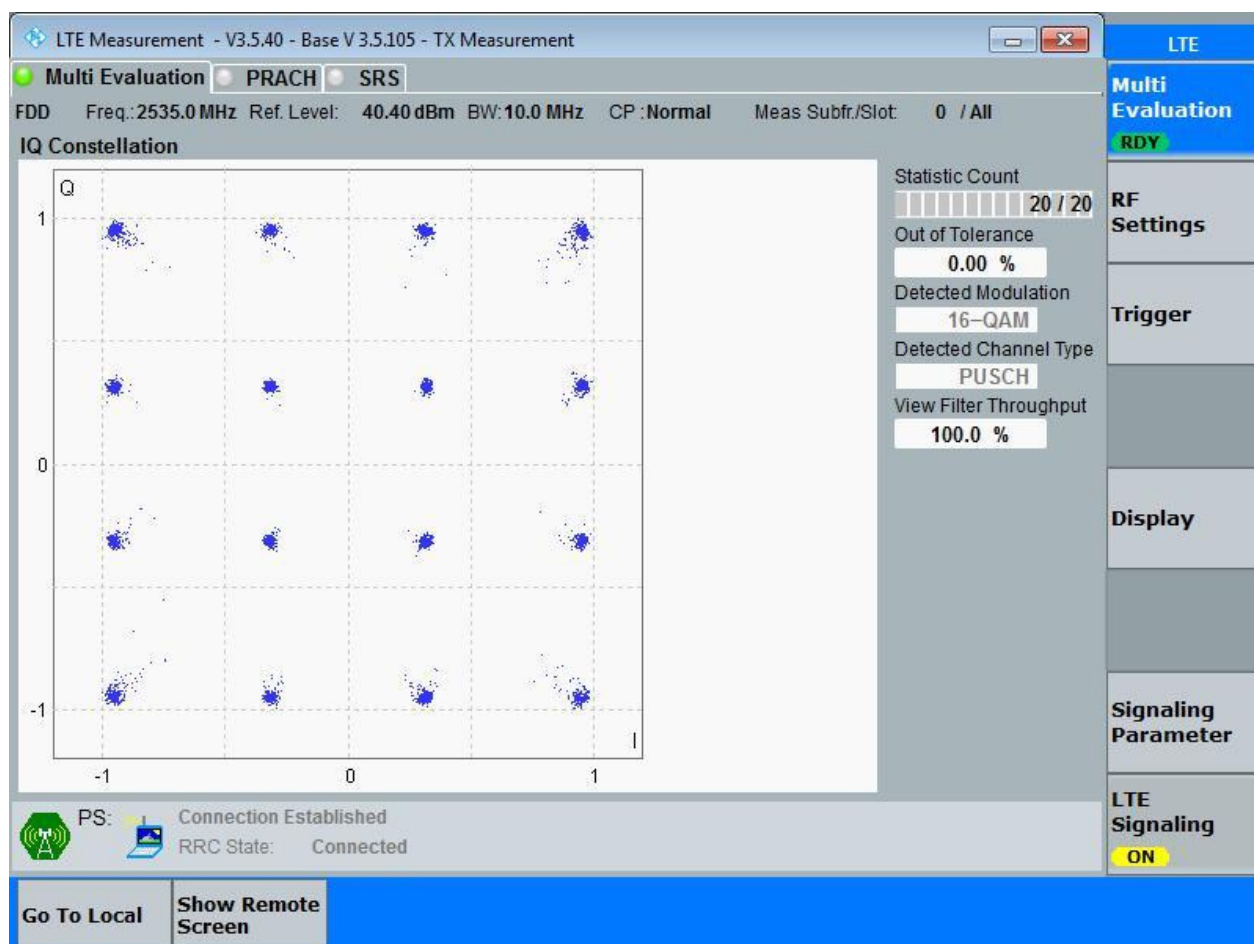
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

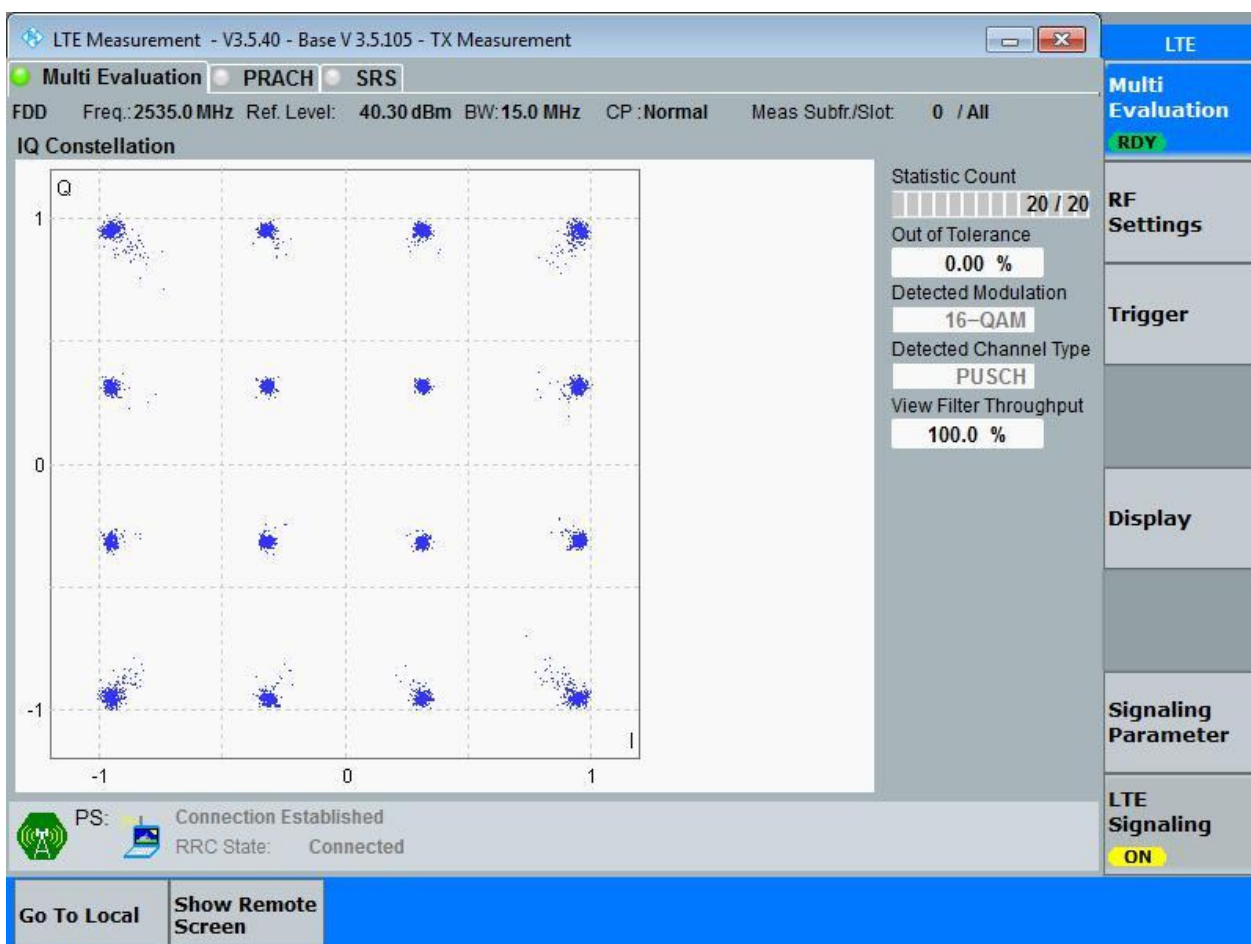
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

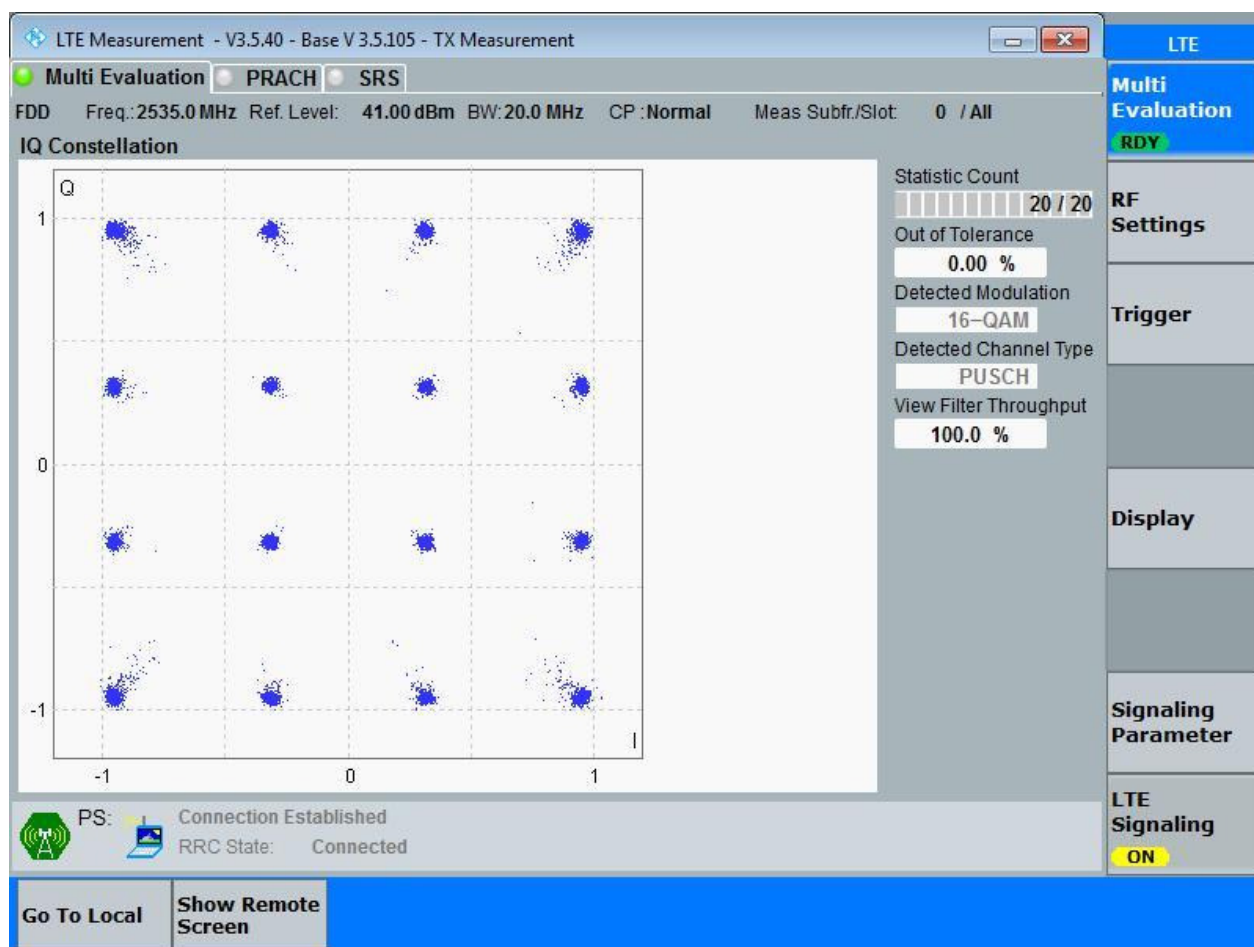
3.1.1.2.3.1.1 Test RB = RB75#0



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

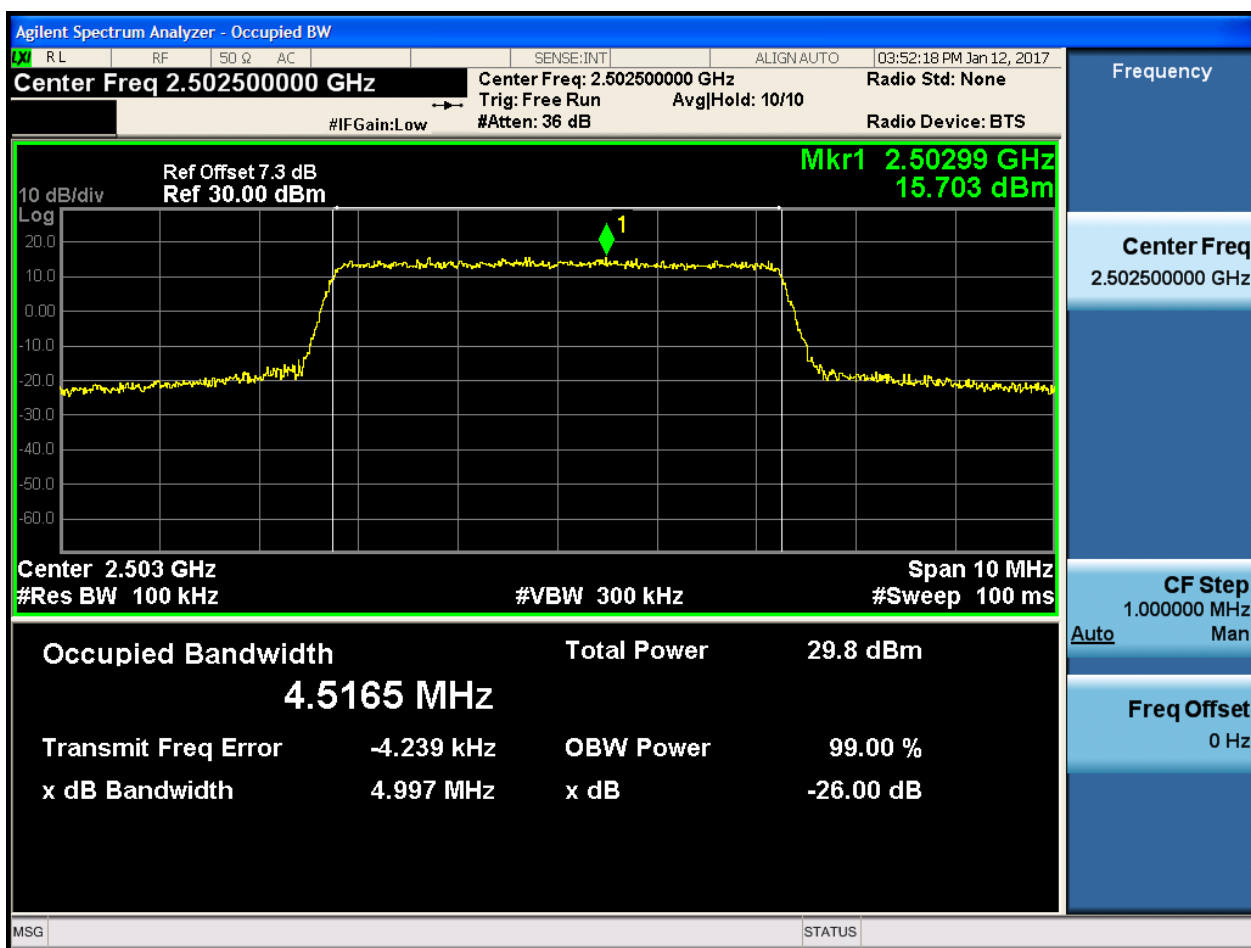
4.1.1 Test Band = BAND7

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

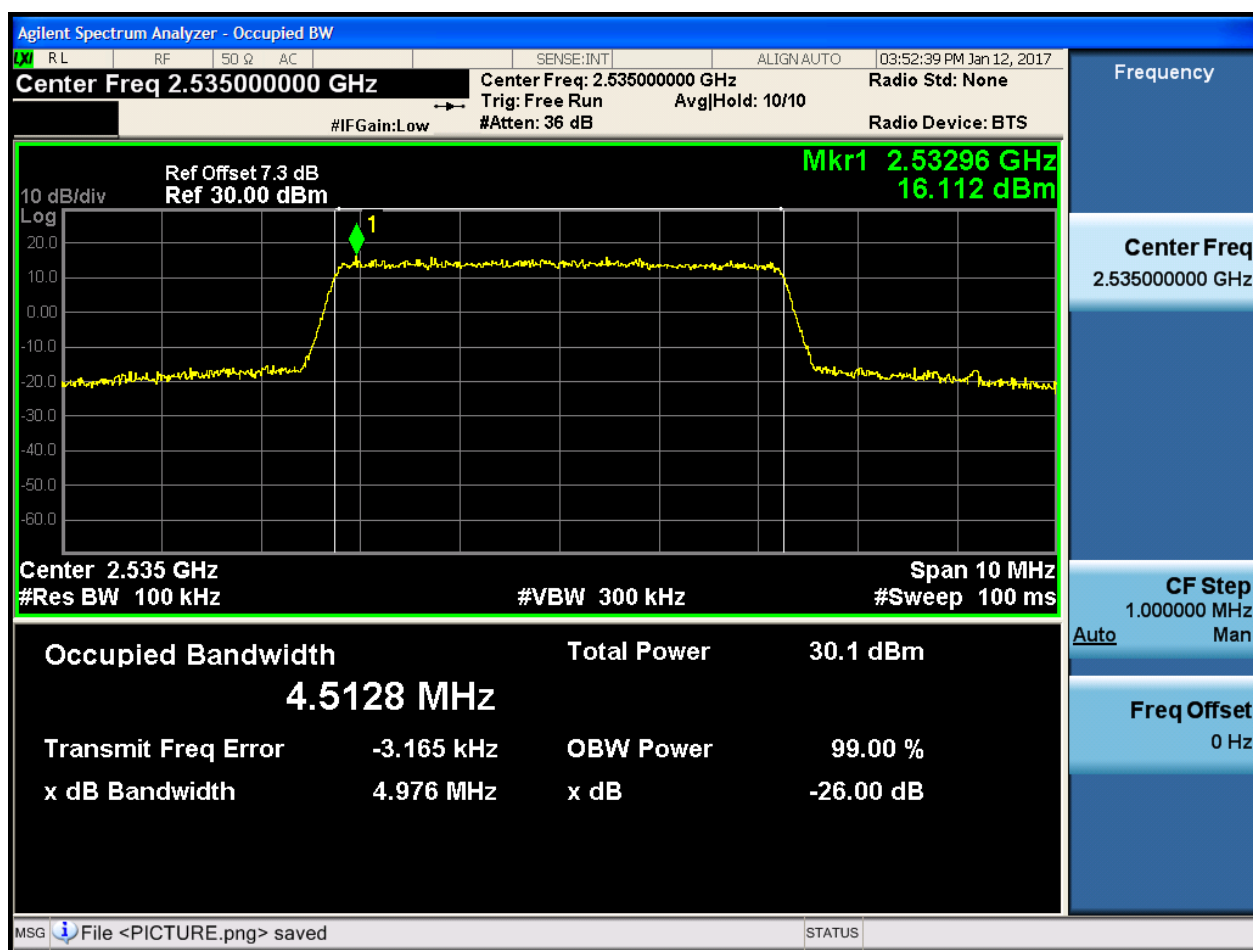
4.1.1.1.1.1.1 Test RB = RB25#0





1.1.1.1.1.2 Test Channel = MCH

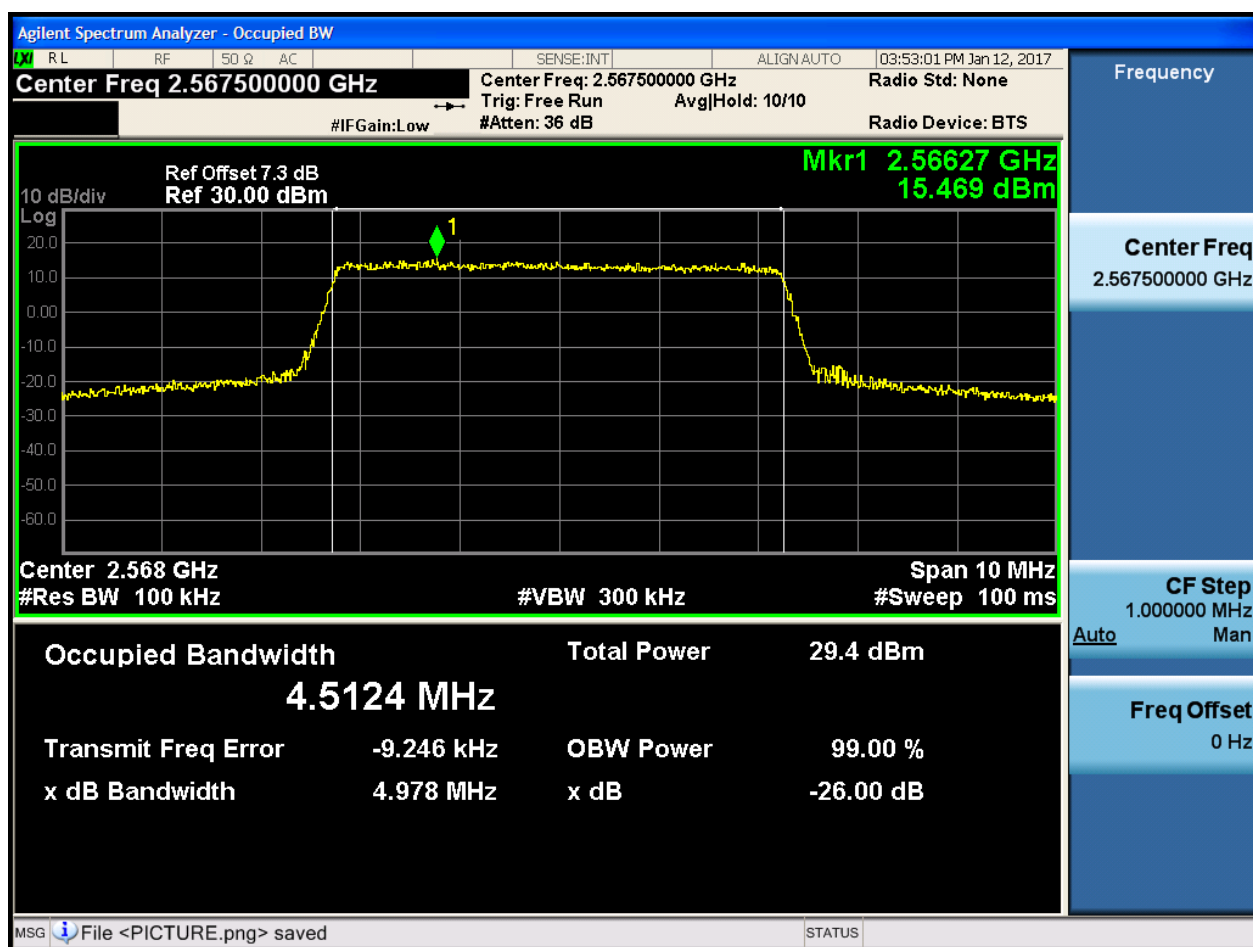
1.1.1.1.1.2.1 Test RB = RB25#0





1.1.1.1.1.3 Test Channel = HCH

1.1.1.1.1.3.1 Test RB = RB25#0

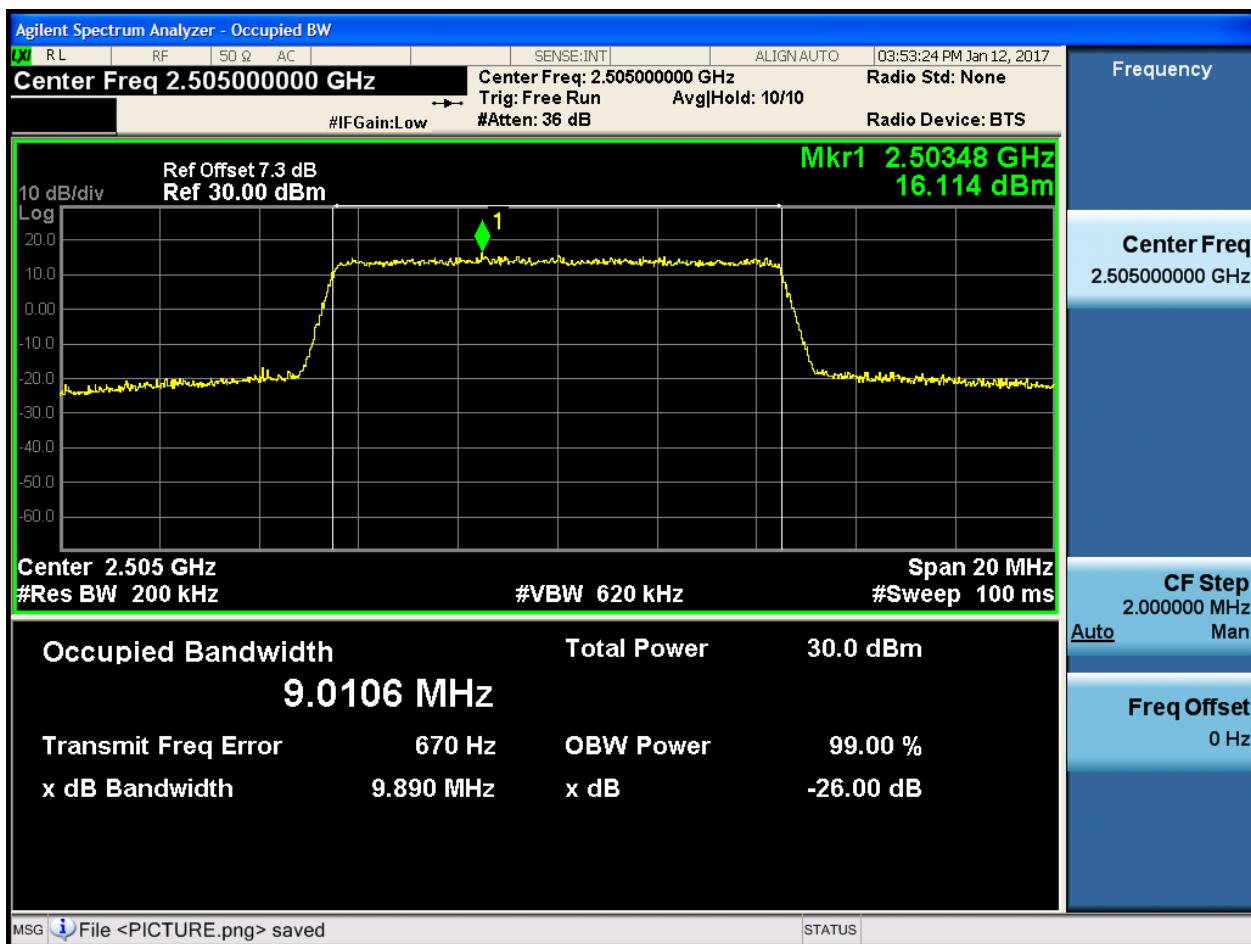




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

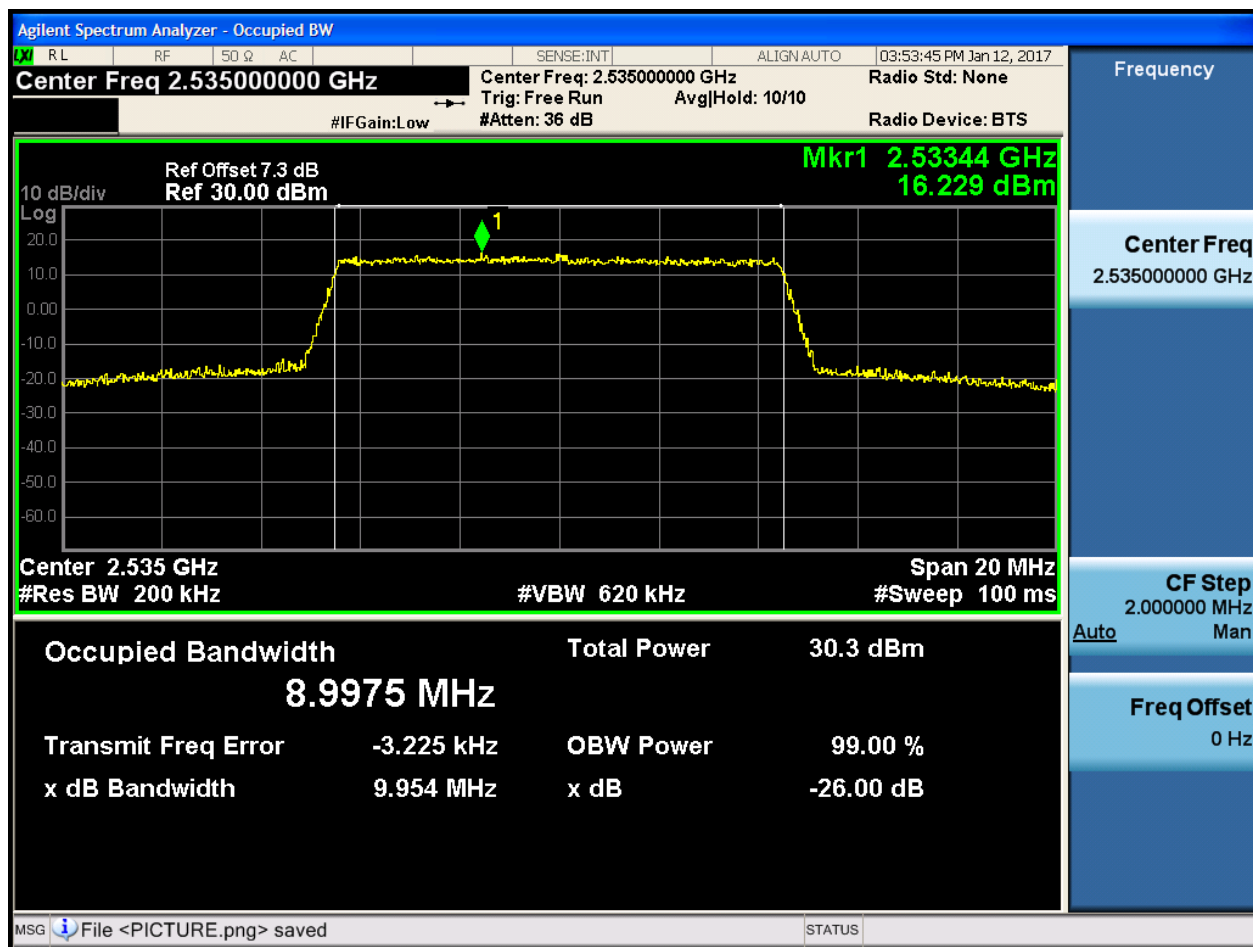
4.1.1.1.2.1.1 Test RB = RB50#0





1.1.1.1.2.2 Test Channel = MCH

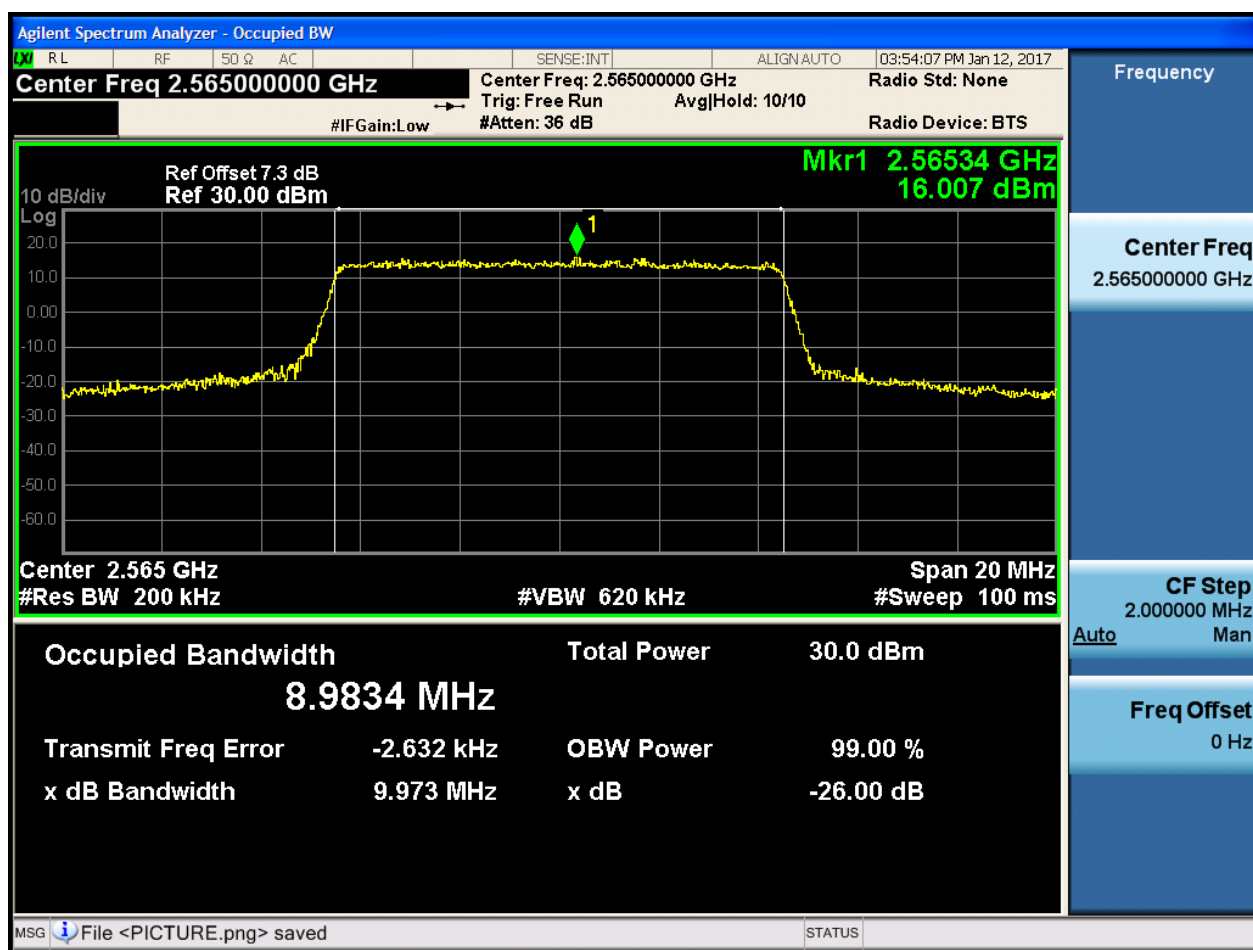
1.1.1.1.2.2.1 Test RB = RB50#0





1.1.1.1.2.3 Test Channel = HCH

1.1.1.1.2.3.1 Test RB = RB50#0

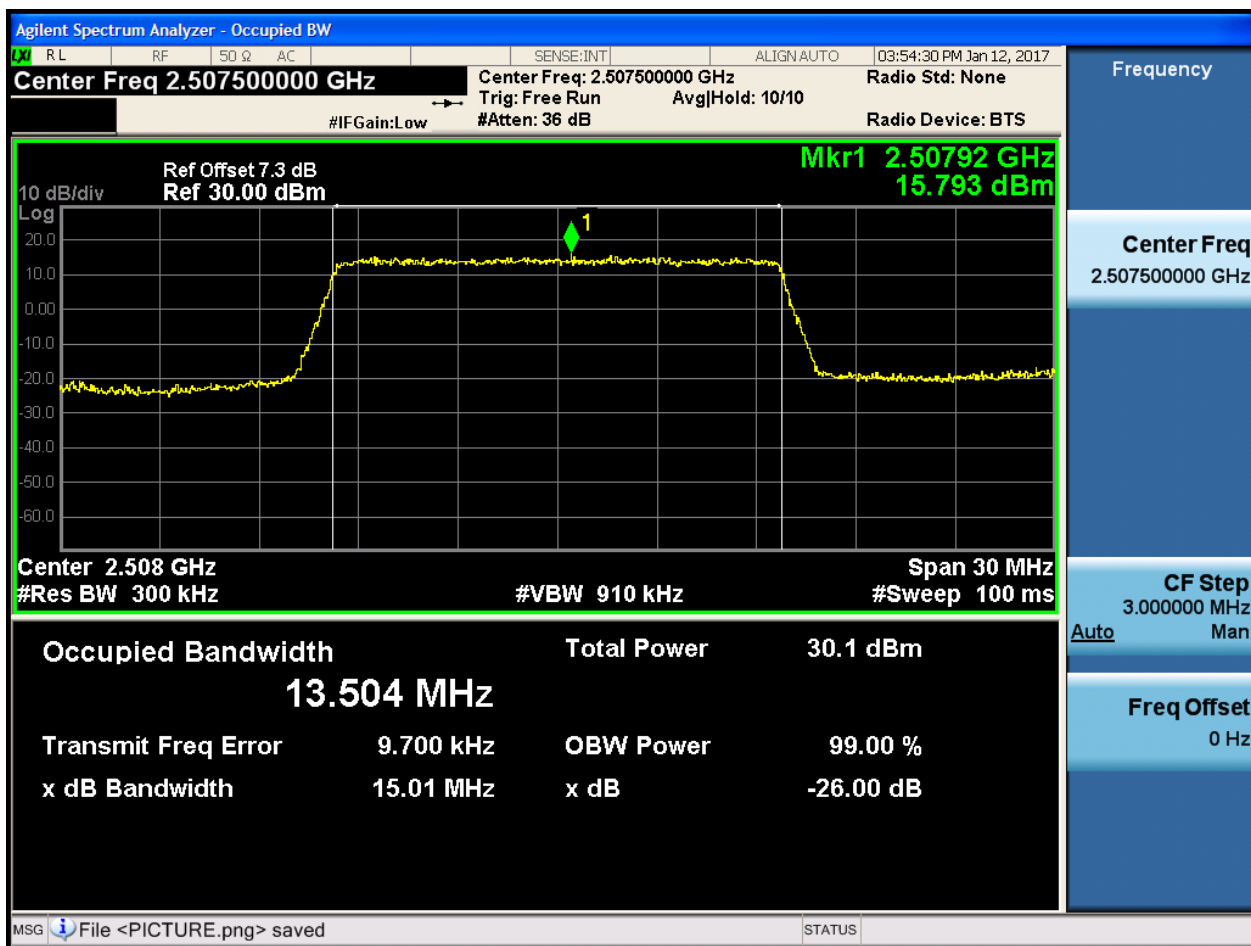




4.1.1.1.3 Test Bandwidth = 15

4.1.1.1.3.1 Test Channel = LCH

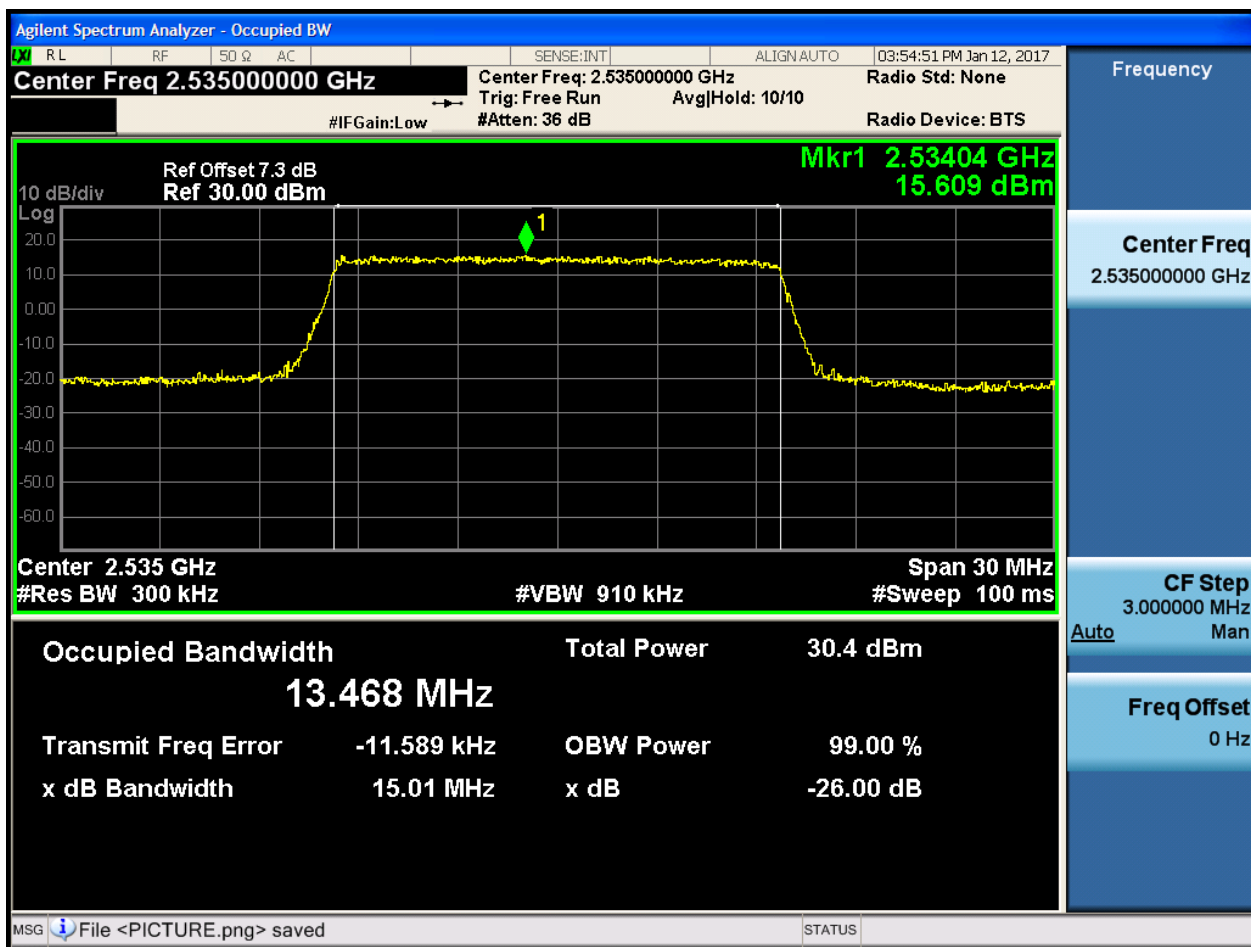
4.1.1.1.3.1.1 Test RB = RB75#0





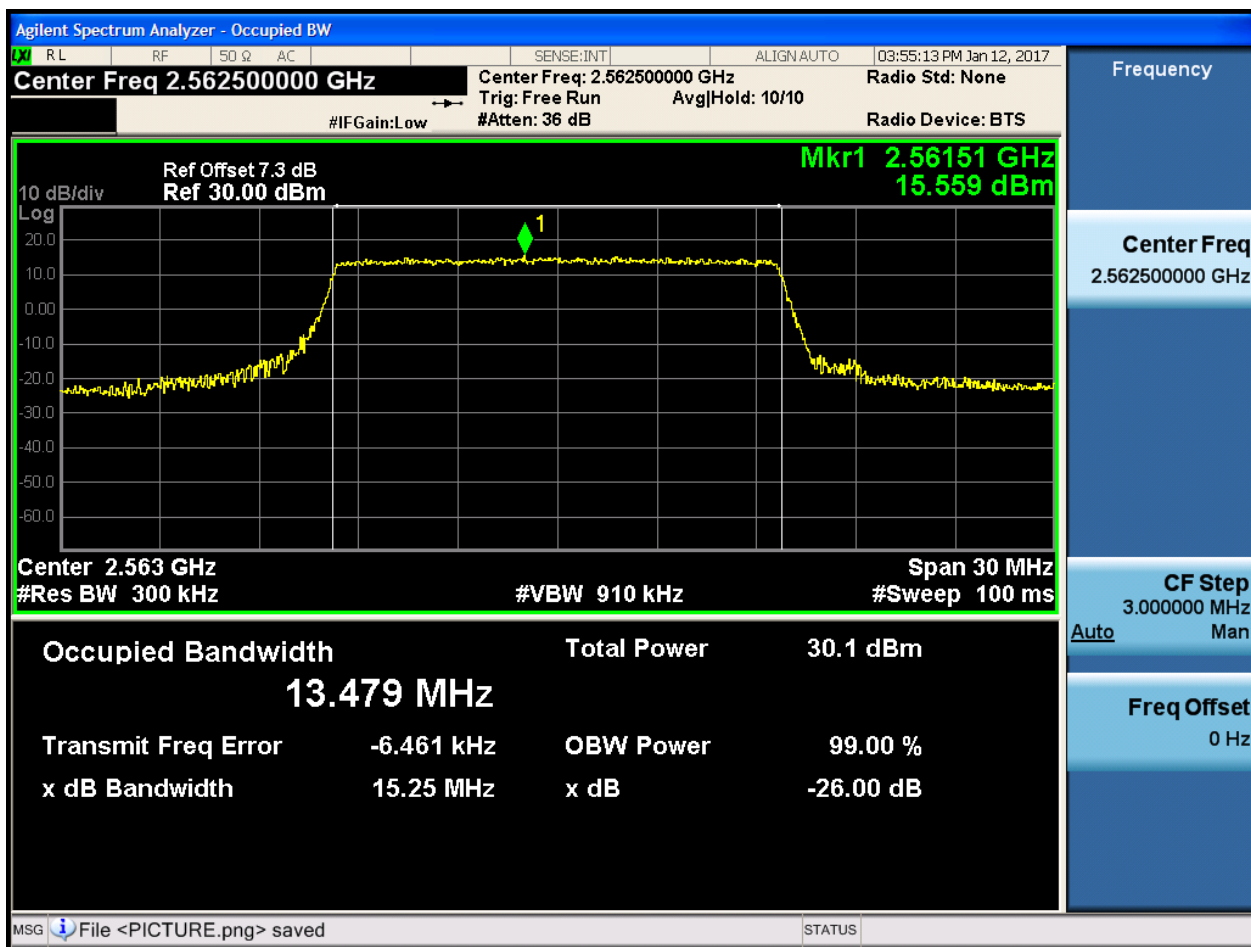
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB75#0



4.1.1.1.3.3 Test Channel = HCH

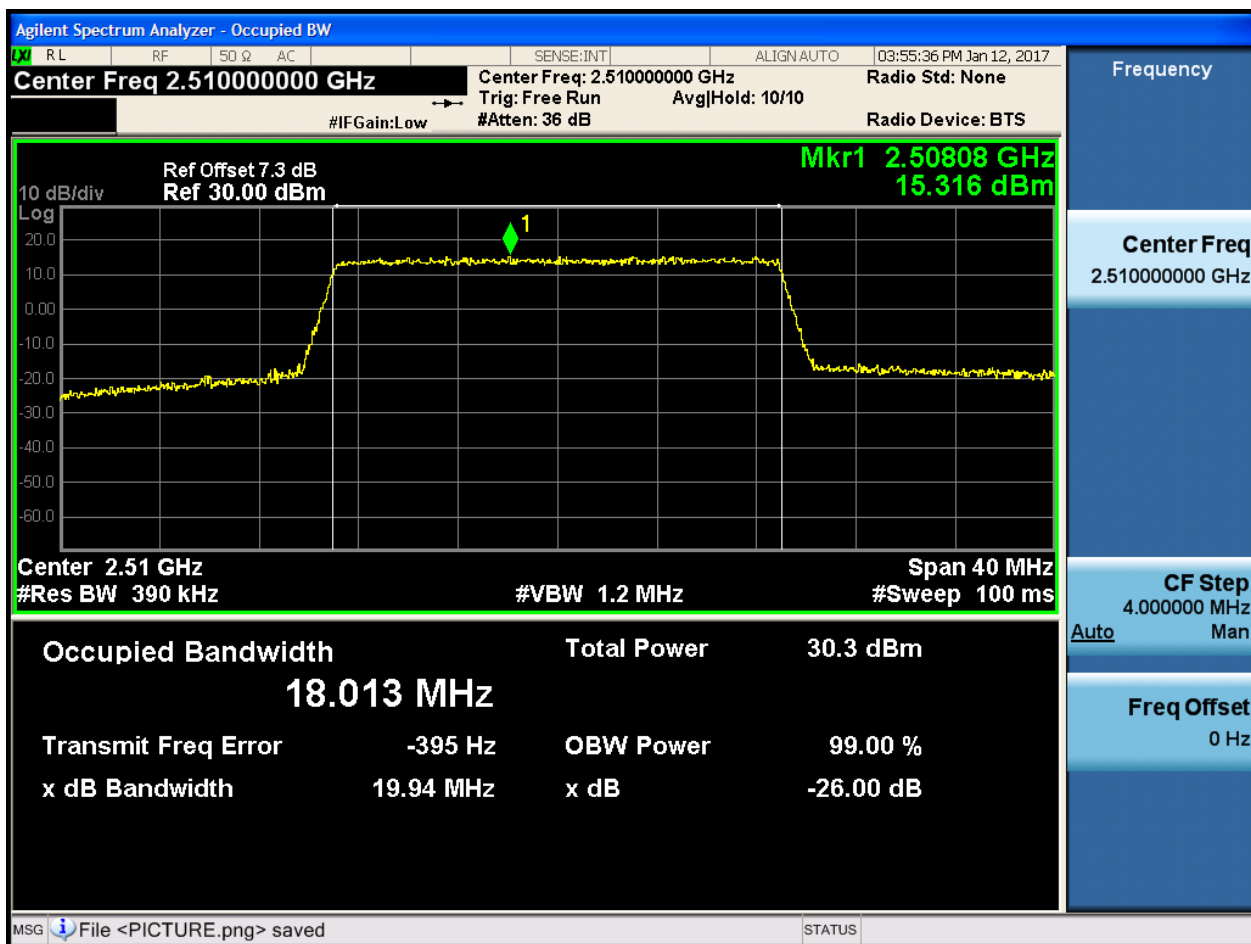
4.1.1.1.3.3.1 Test RB = RB75#0



4.1.1.1.4 Test Bandwidth = 20

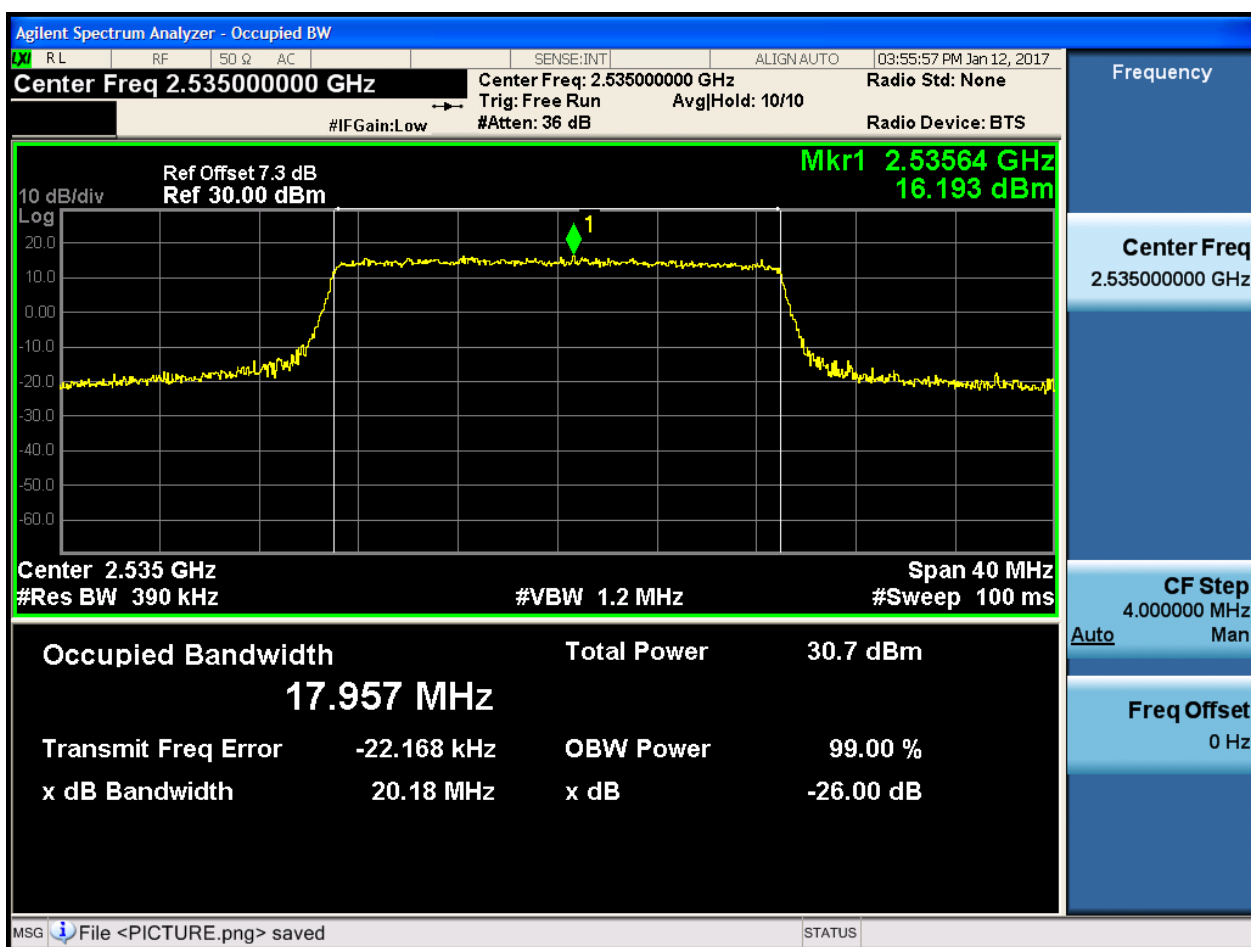
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB100#0



4.1.1.1.4.2 Test Channel = MCH

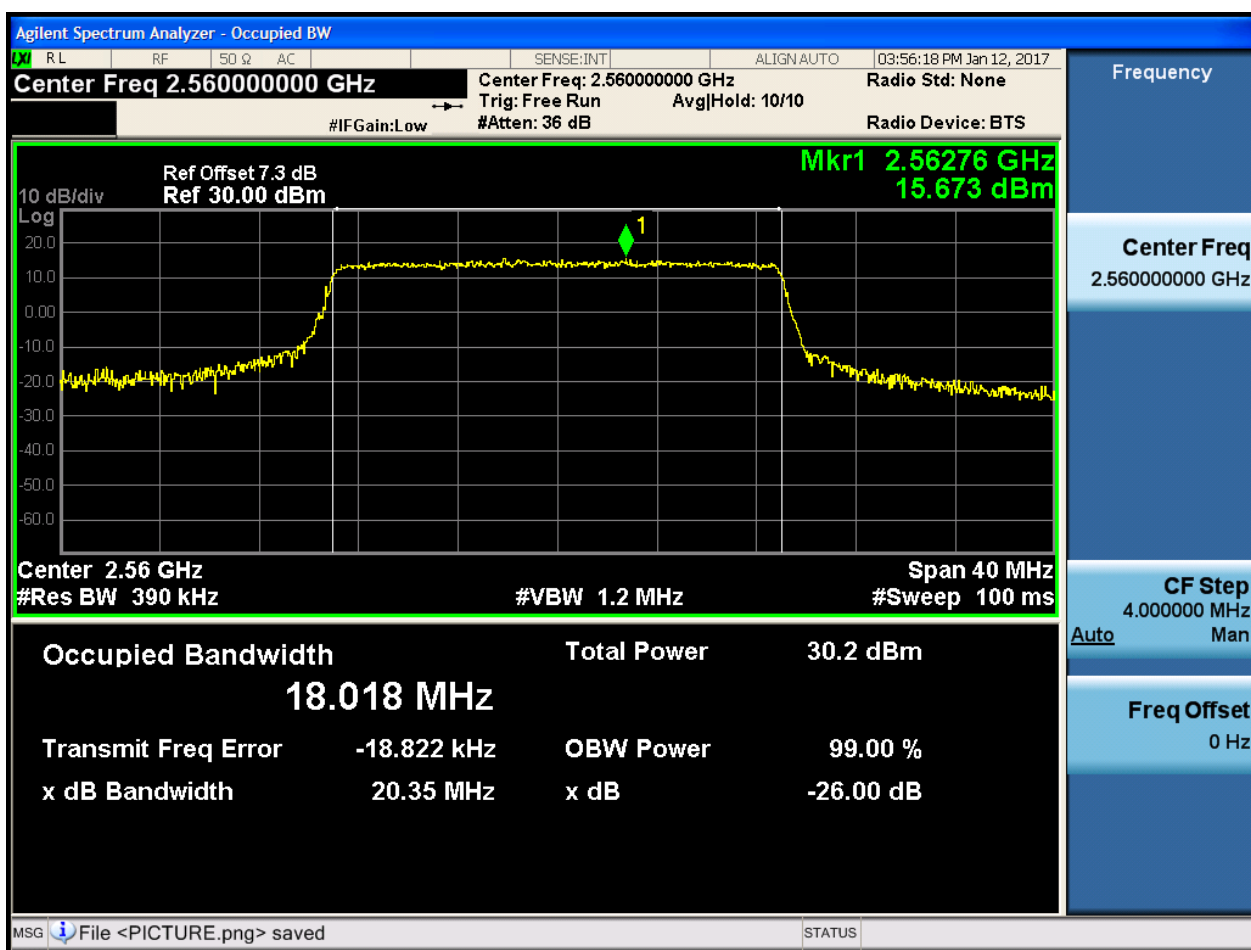
4.1.1.1.4.2.1 Test RB = RB100#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB100#0



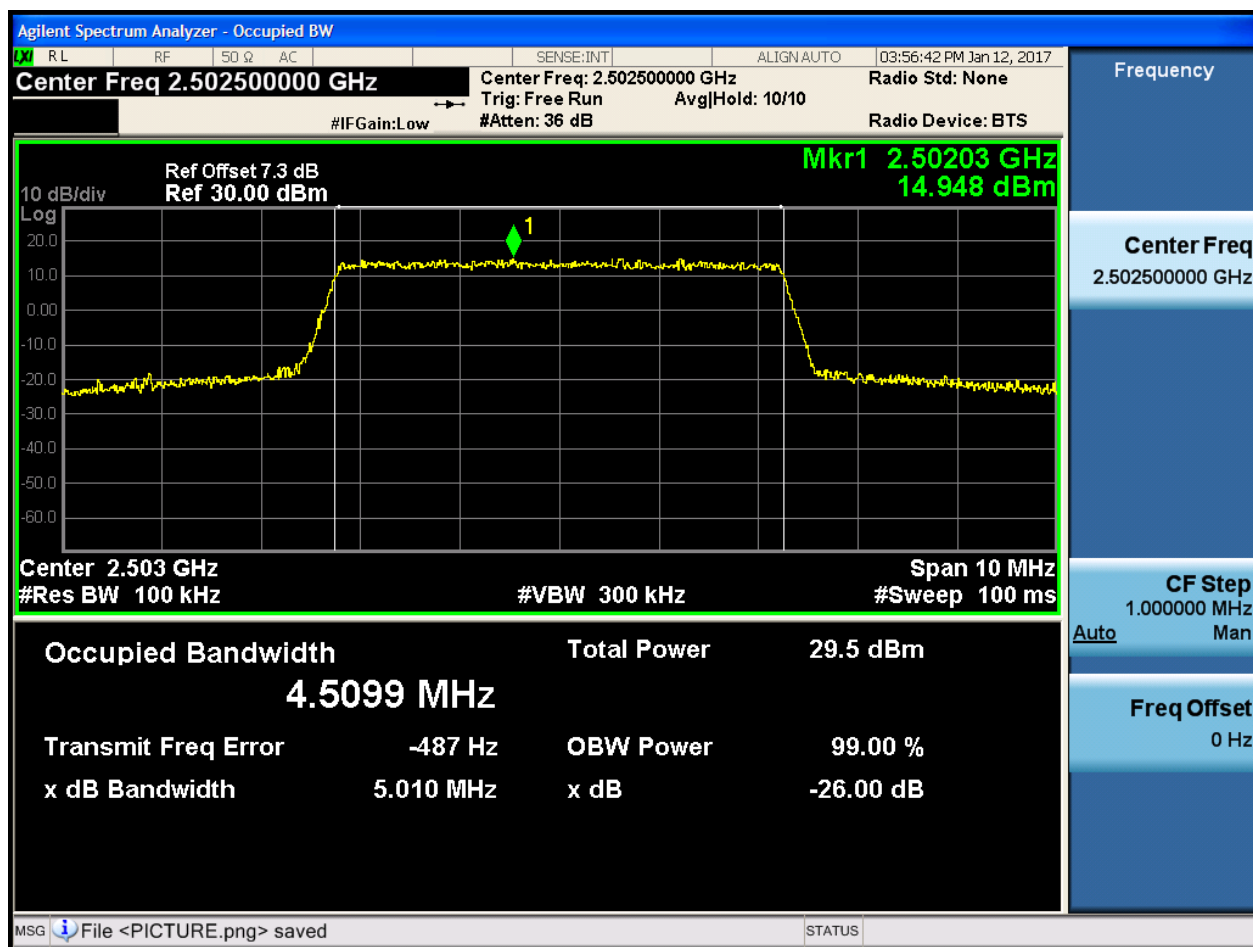


1.1.1.2 Test Mode = LTE/TM2

1.1.1.2.1 Test Bandwidth = 5

1.1.1.2.1.1 Test Channel = LCH

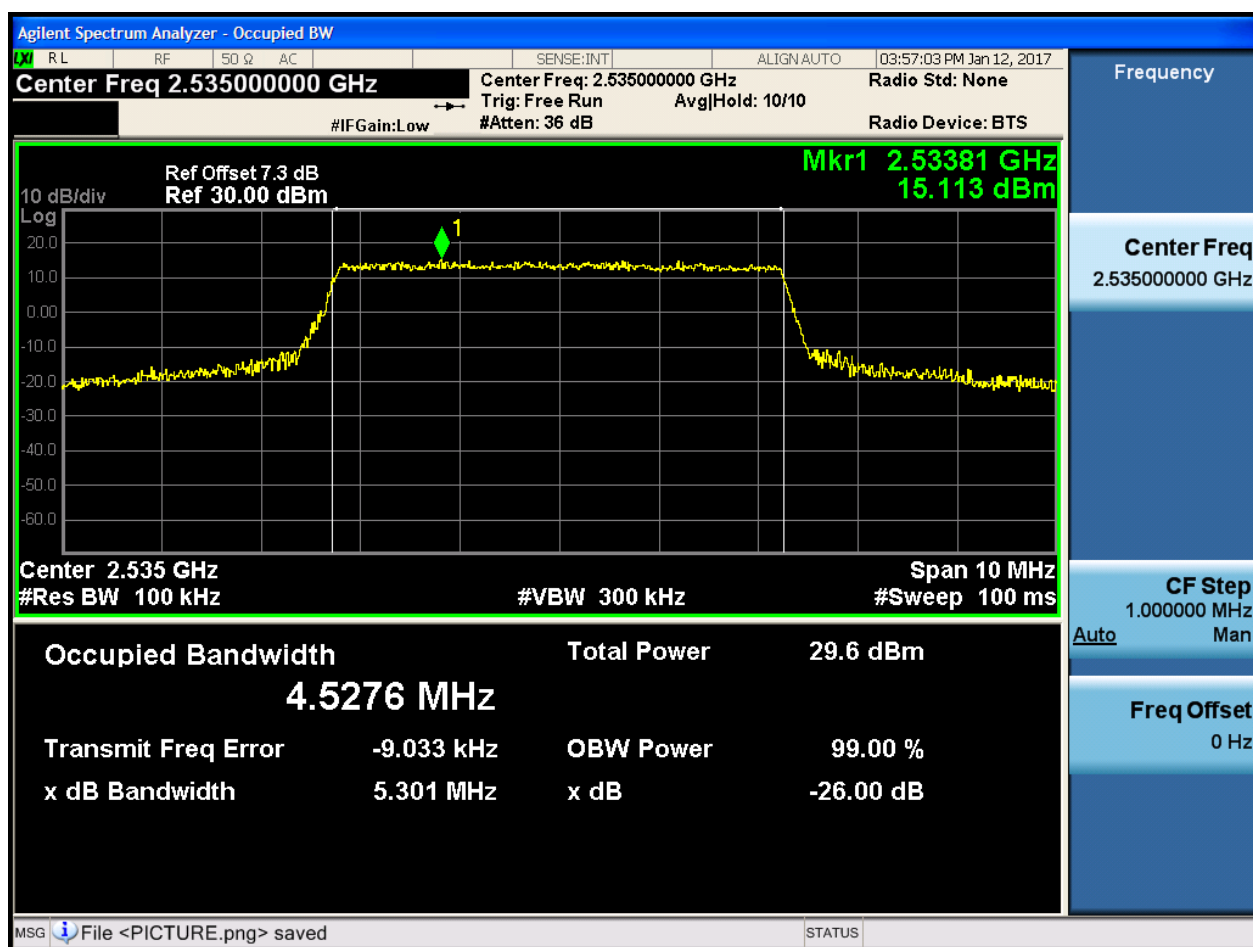
1.1.1.2.1.1.1 Test RB = RB25#0





1.1.1.2.1.2 Test Channel = MCH

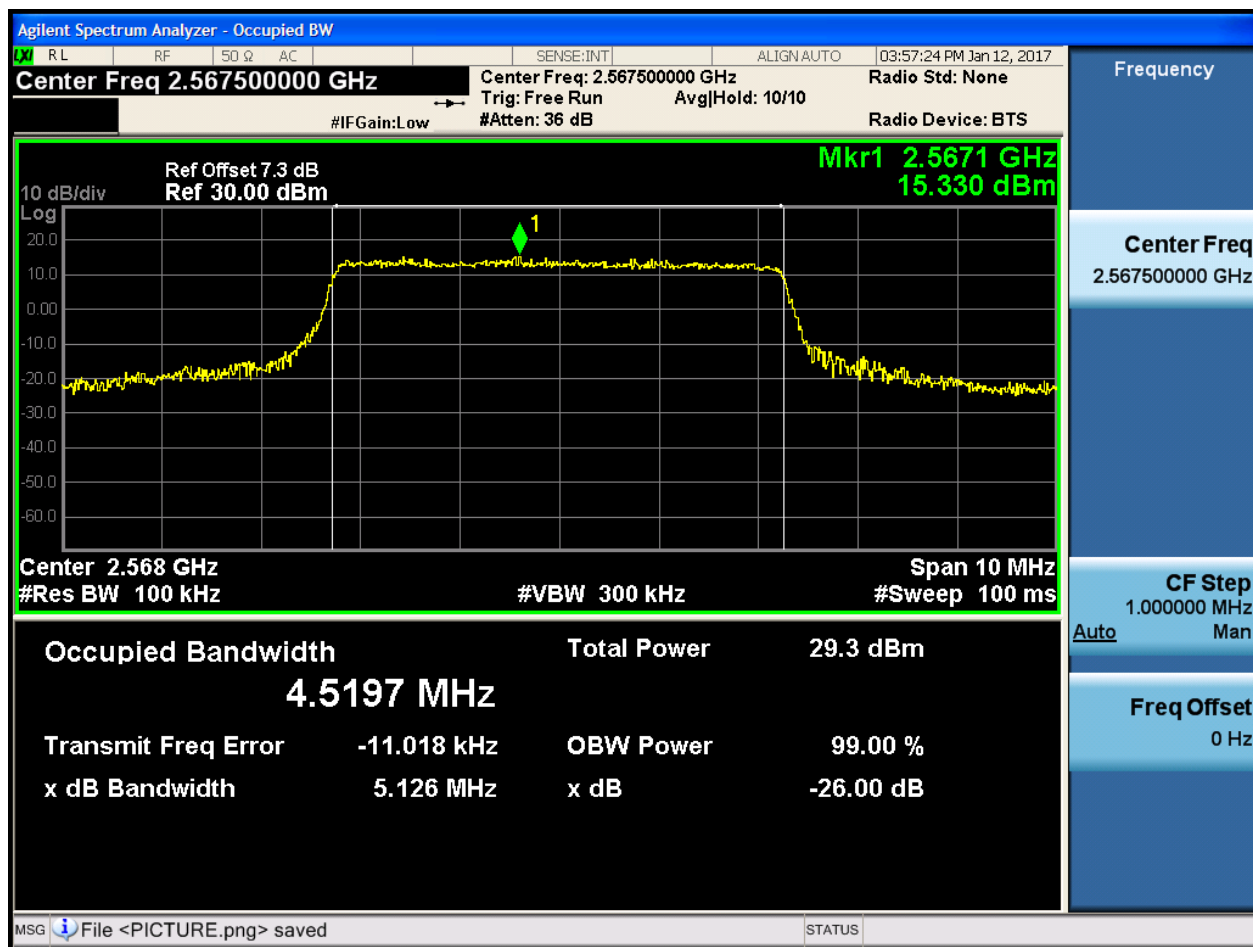
1.1.1.2.1.2.1 Test RB = RB25#0





1.1.1.2.1.3 Test Channel = HCH

1.1.1.2.1.3.1 Test RB = RB25#0

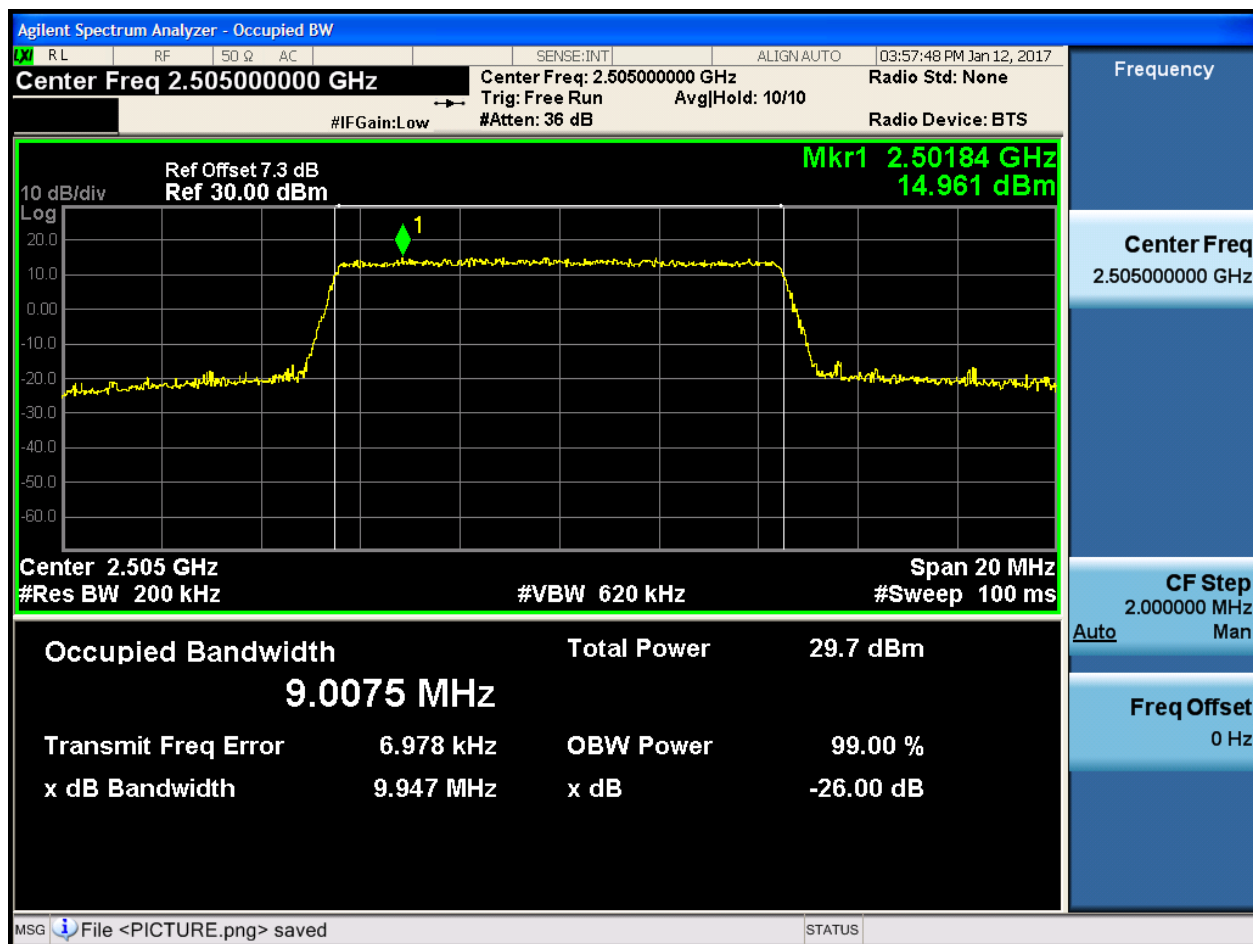




1.1.1.2.2 Test Bandwidth = 10

1.1.1.2.2.1 Test Channel = LCH

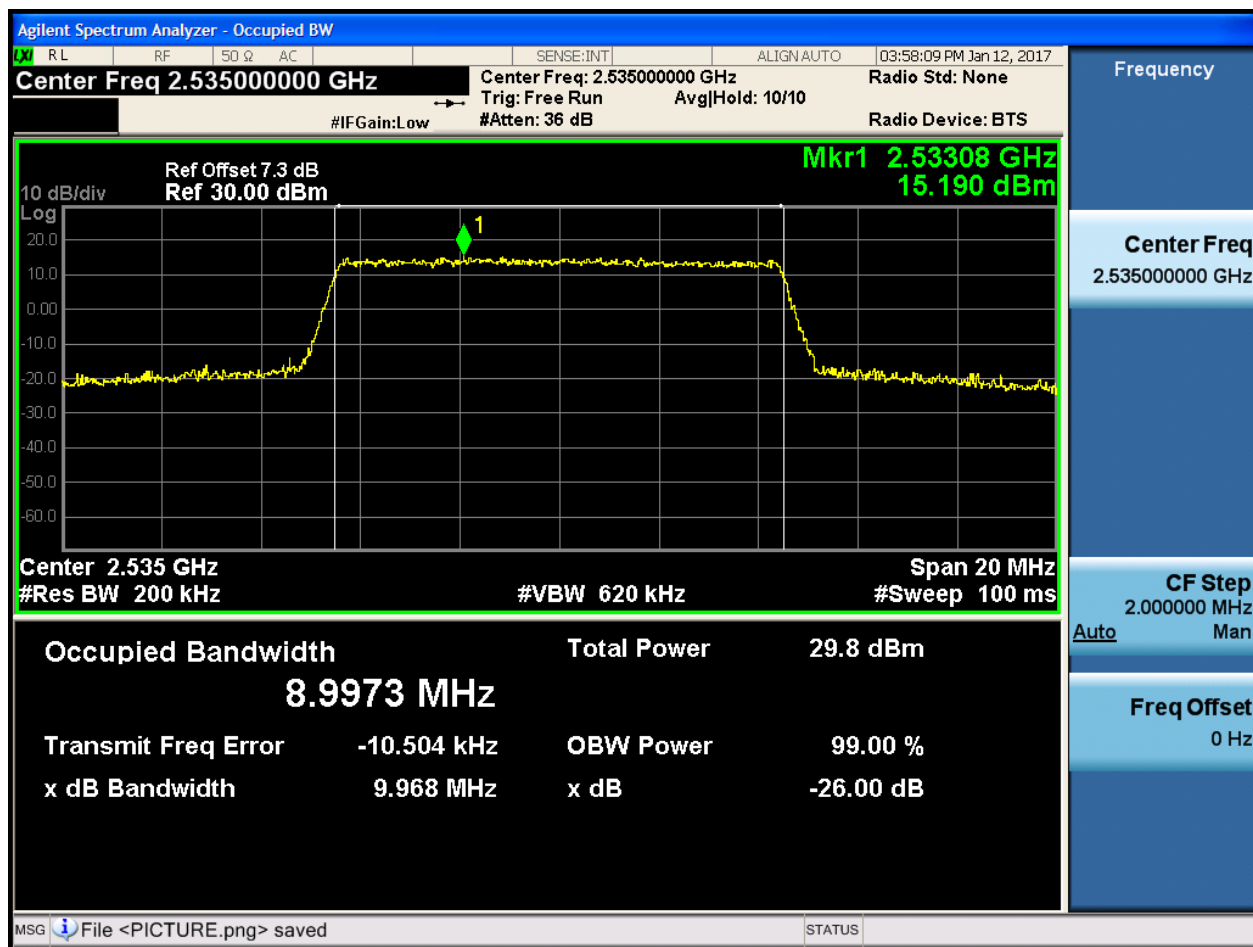
1.1.1.2.2.1.1 Test RB = RB50#0





1.1.1.2.2.2 Test Channel = MCH

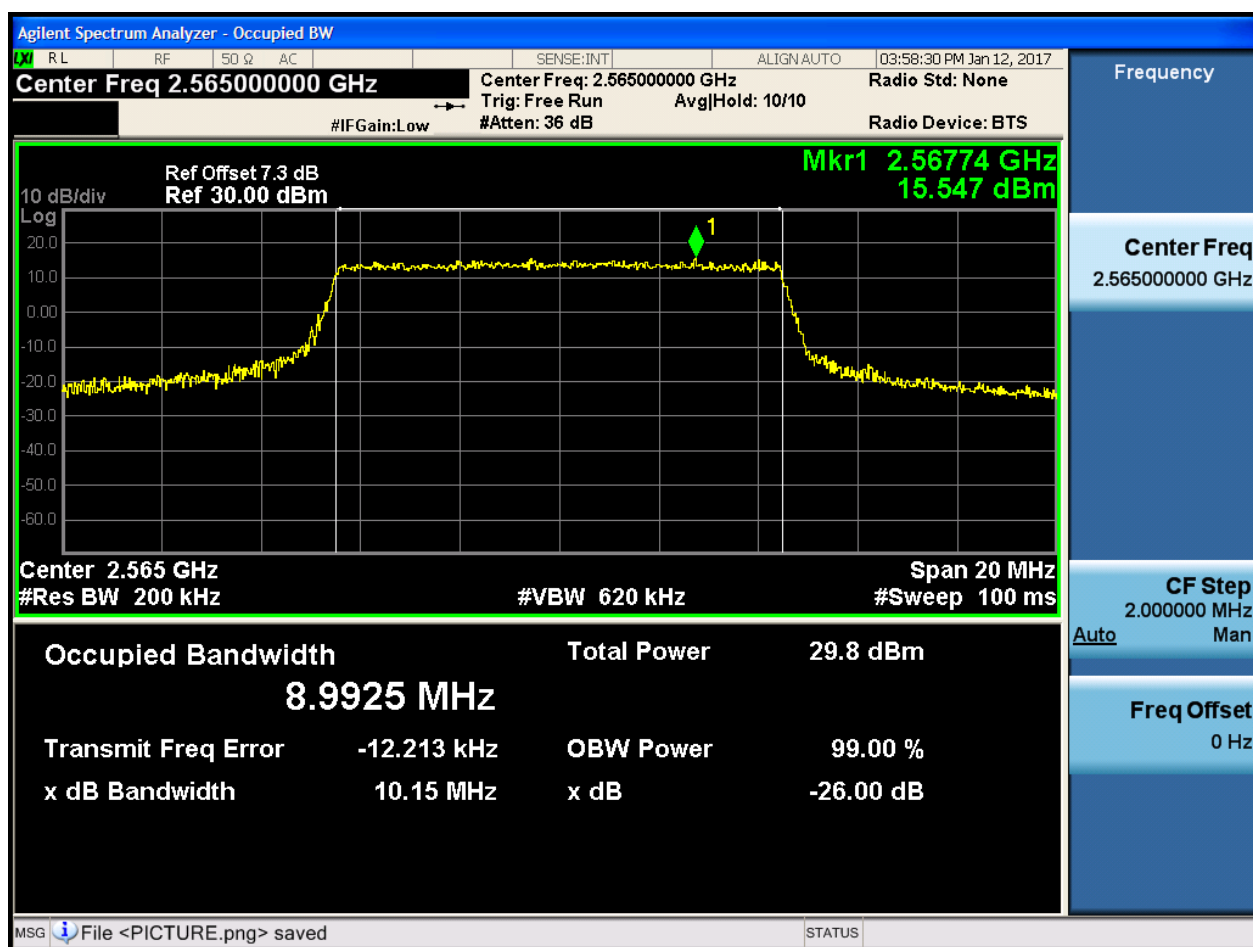
1.1.1.2.2.2.1 Test RB = RB50#0





1.1.1.2.2.3 Test Channel = HCH

1.1.1.2.2.3.1 Test RB = RB50#0

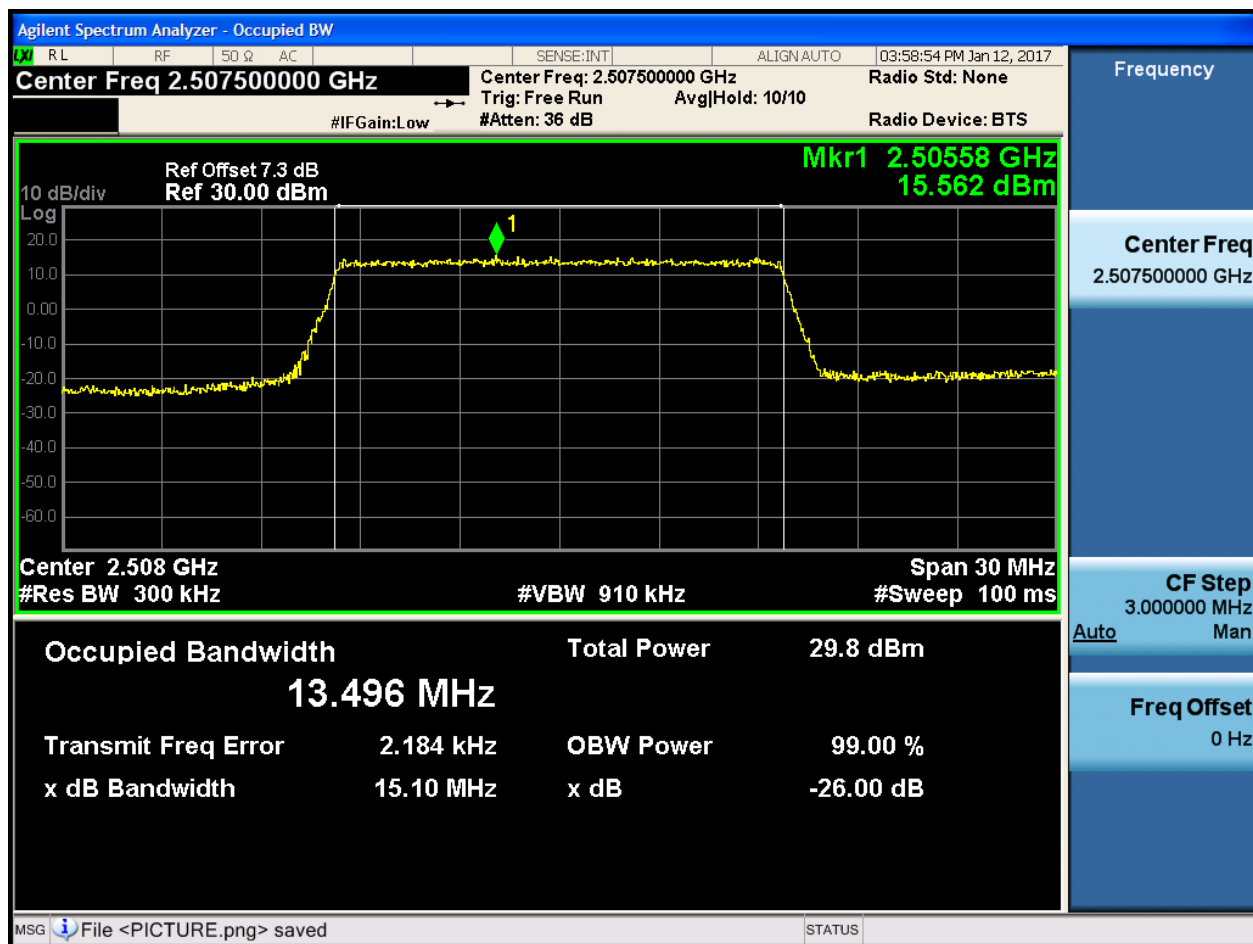




1.1.1.2.3 Test Bandwidth = 15

1.1.1.2.3.1 Test Channel = LCH

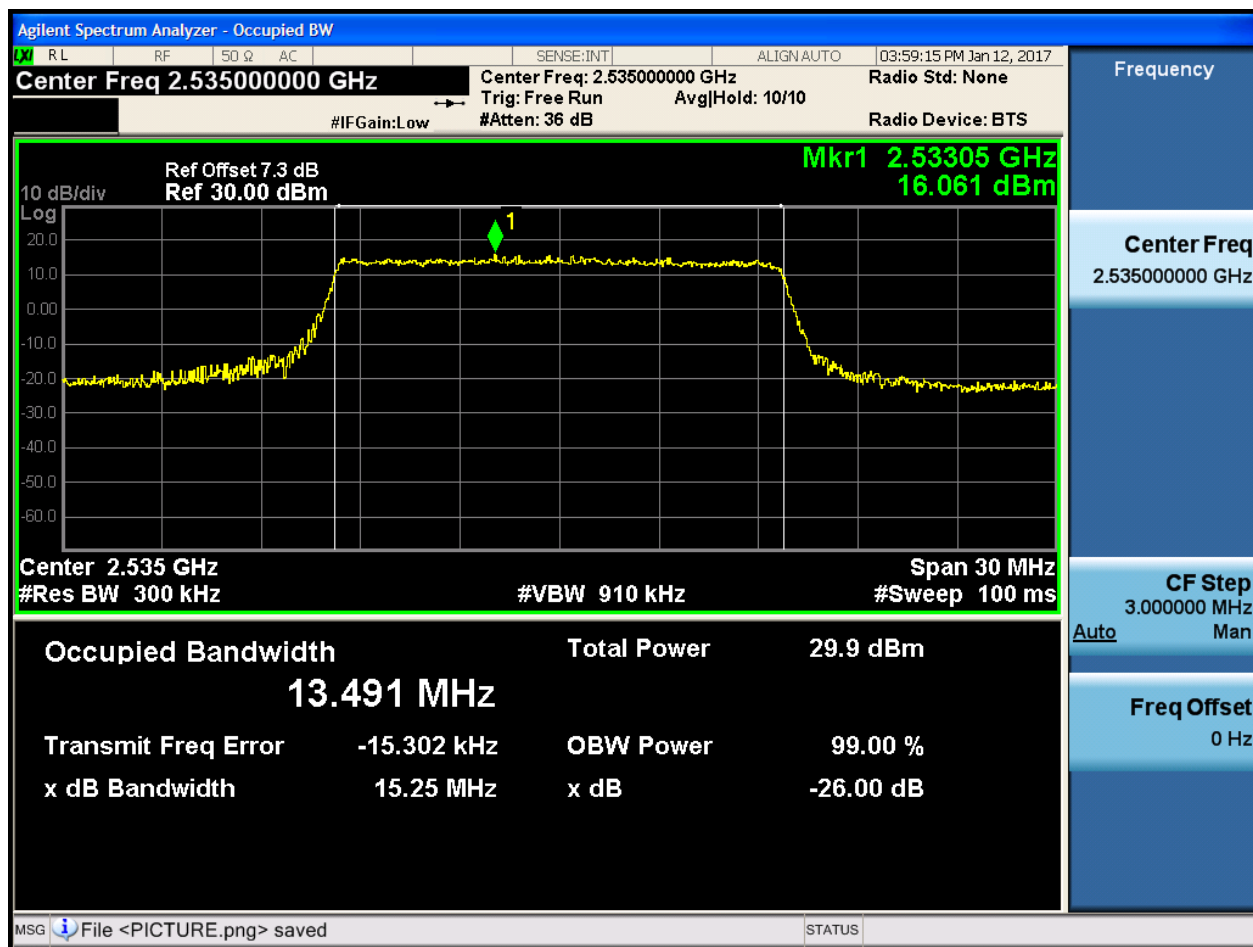
1.1.1.2.3.1.1 Test RB = RB75#0





1.1.1.2.3.2 Test Channel = MCH

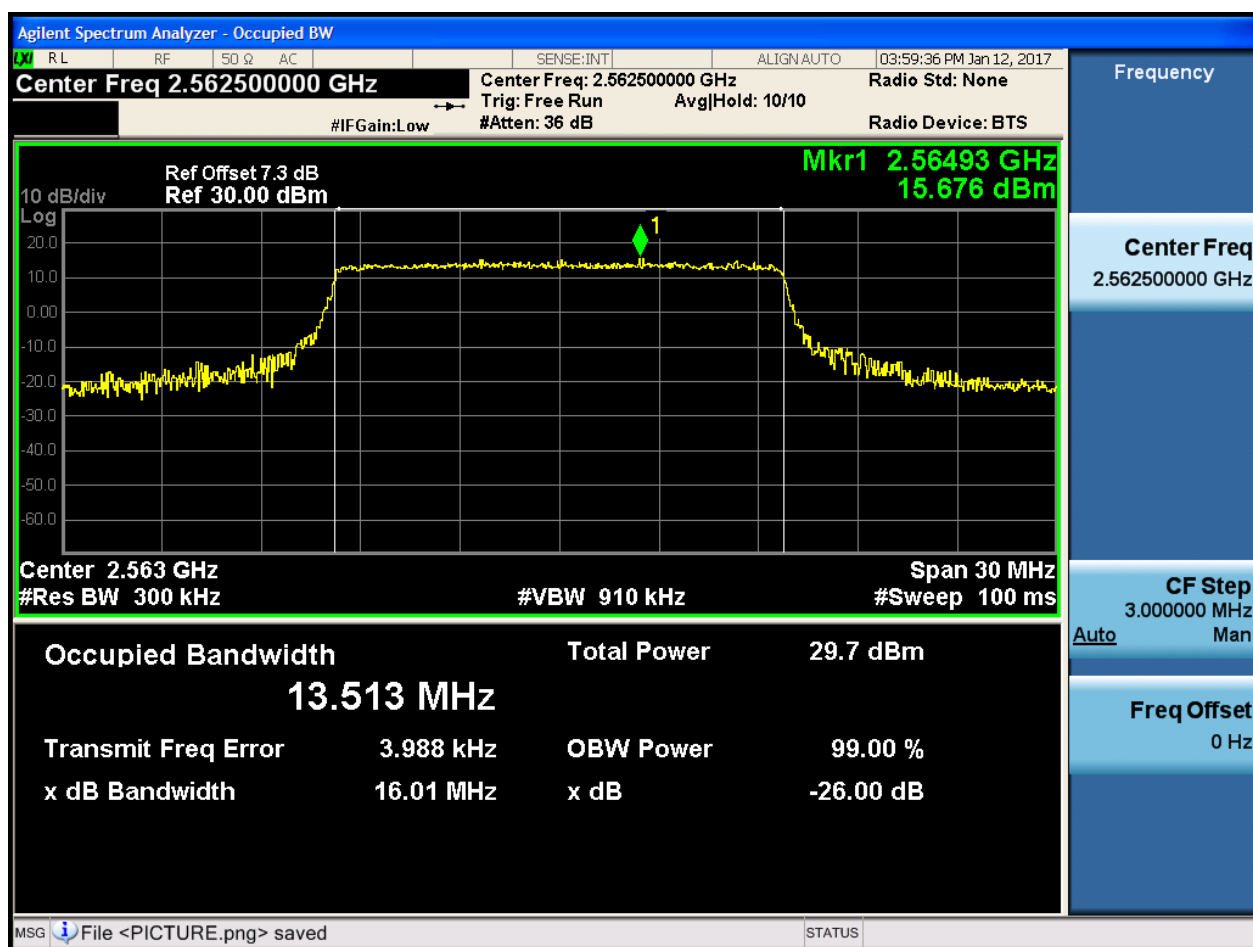
1.1.1.2.3.2.1 Test RB = RB75#0





1.1.1.2.3.3 Test Channel = HCH

1.1.1.2.3.3.1 Test RB = RB75#0

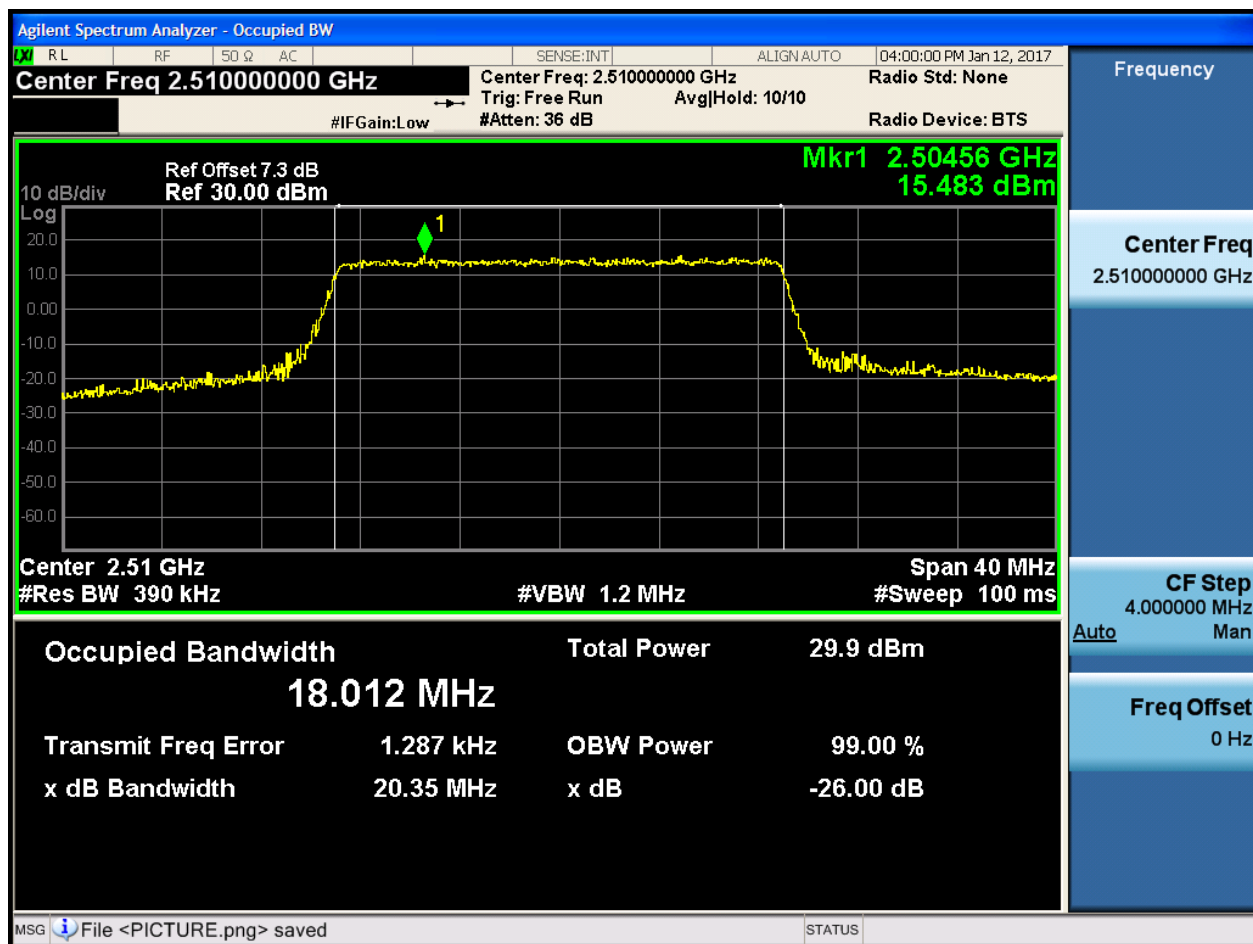




1.1.1.2.4 Test Bandwidth = 20

1.1.1.2.4.1 Test Channel = LCH

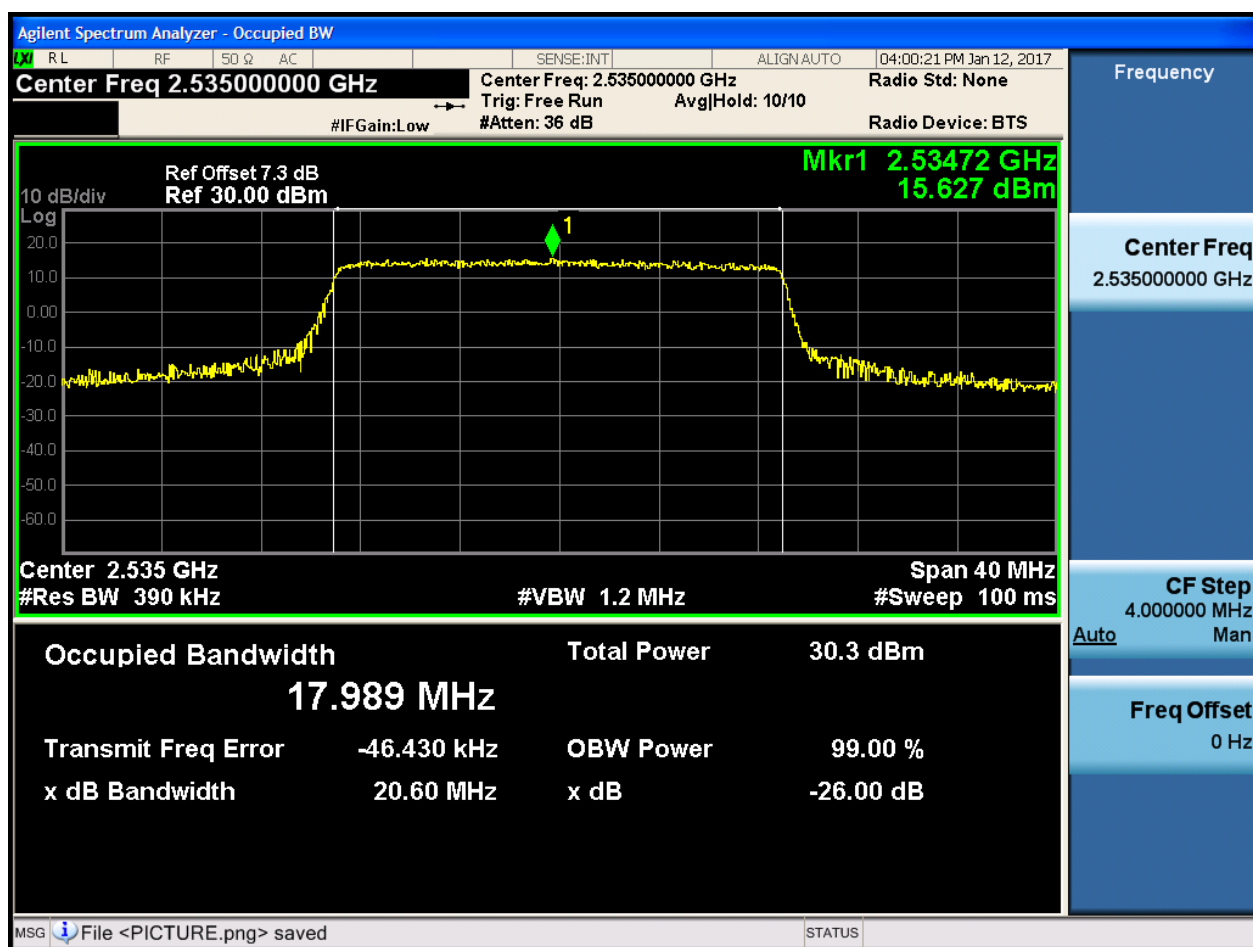
1.1.1.2.4.1.1 Test RB = RB100#0





1.1.1.2.4.2 Test Channel = MCH

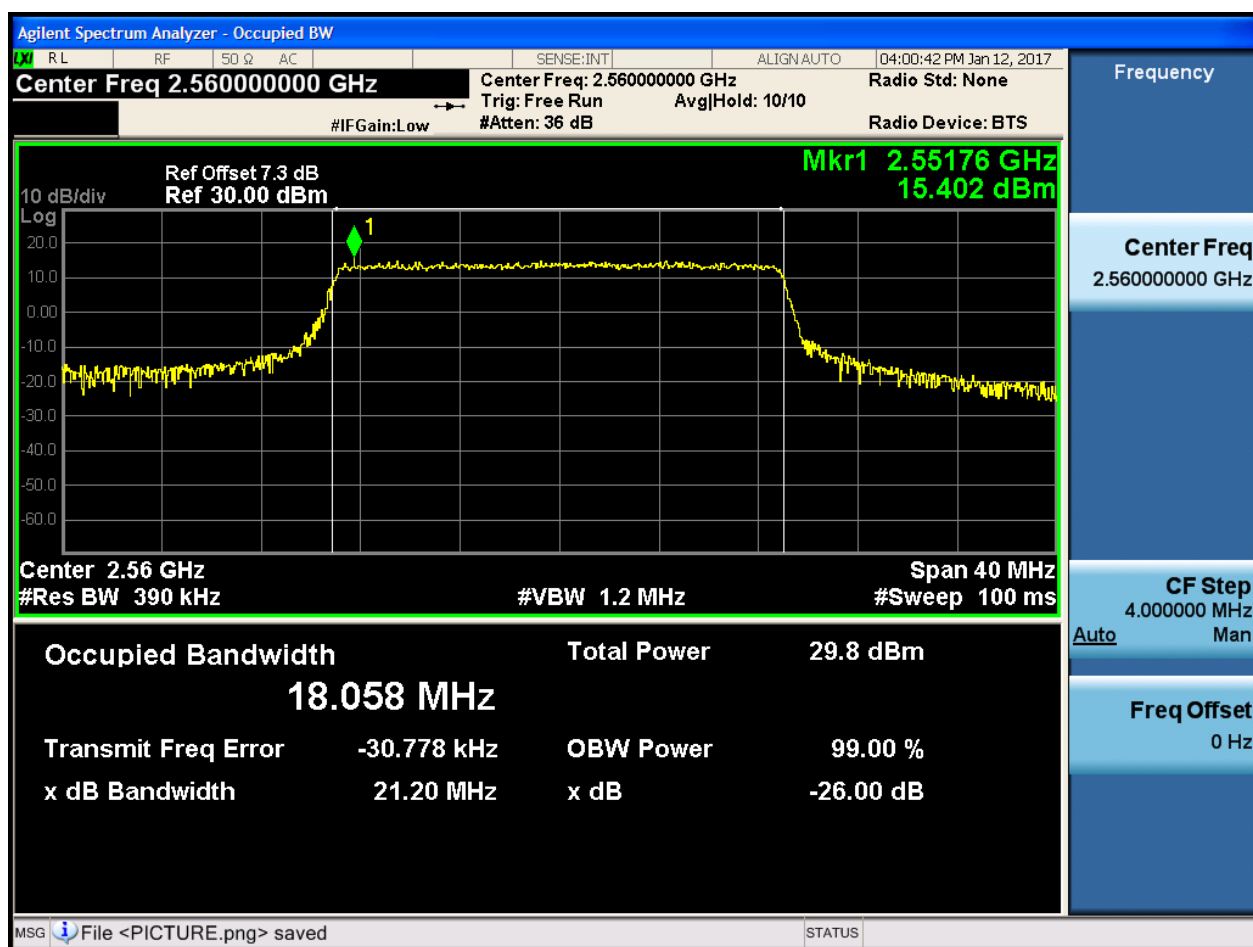
1.1.1.2.4.2.1 Test RB = RB100#0





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

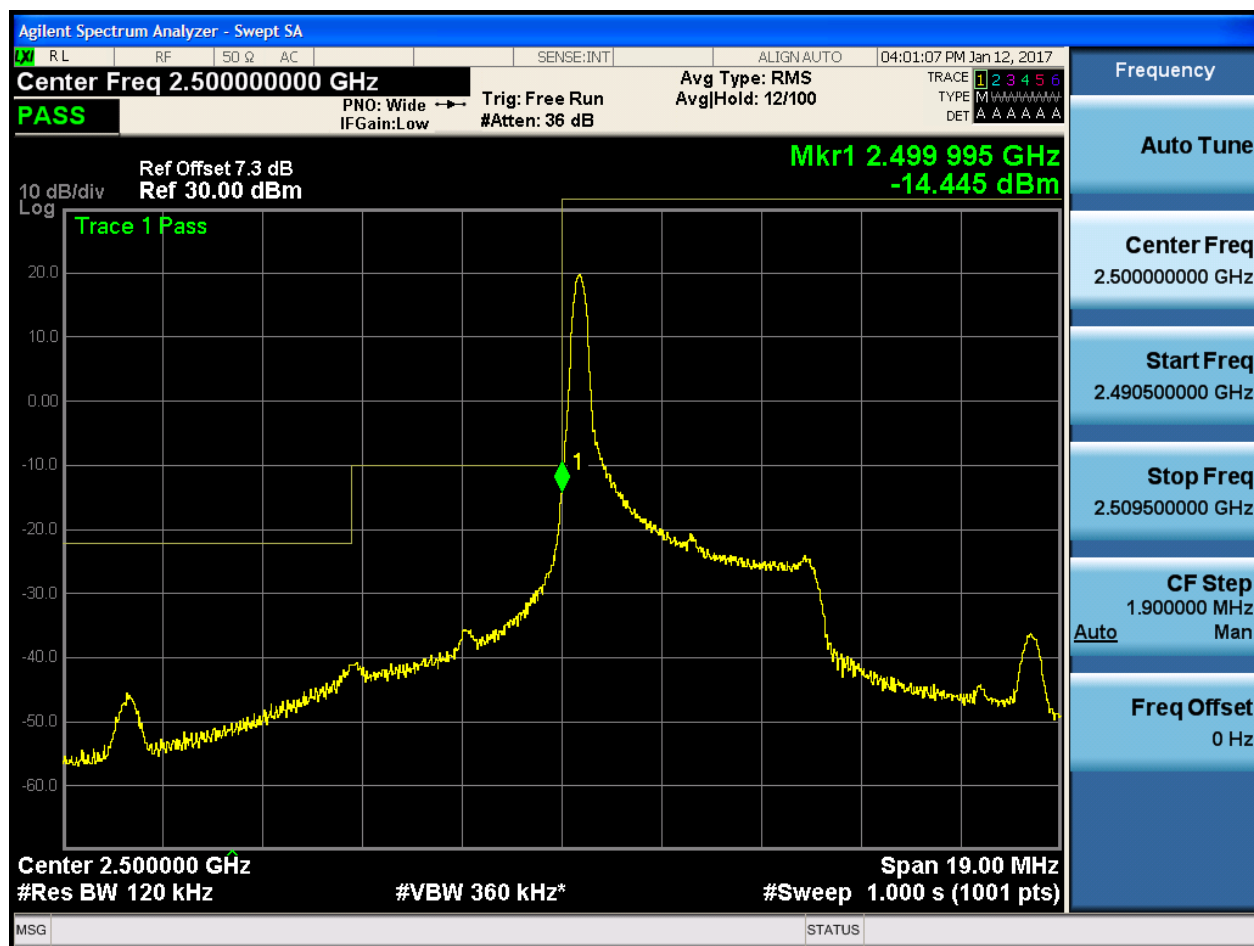
5.1.1 Test Band = BAND7

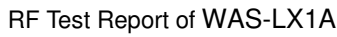
5.1.1.1 Test Mode = LTE/TM1

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

Center Freq 2.50000000 GHz

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

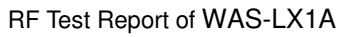
Ref Offset 7.3 dB Ref 30.00 dBm

Mkr1 2.499 995 GHz -31.917 dBm

Trace 1 Pass

Center 2.500000 GHz #Res BW 120 kHz #VBW 360 kHz* 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 <u>Auto</u> Man
Freq Offset 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:01:43 PM Jan 12, 2017

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

TRACE 1 2 3 4 5 6
TYPE 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
-24.770 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

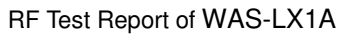
Center Freq
2.500000000 GHz

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 04:02:02 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide Trig: Free Run Avg/Hold: 12/100
IFGain:Low #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
-22.162 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

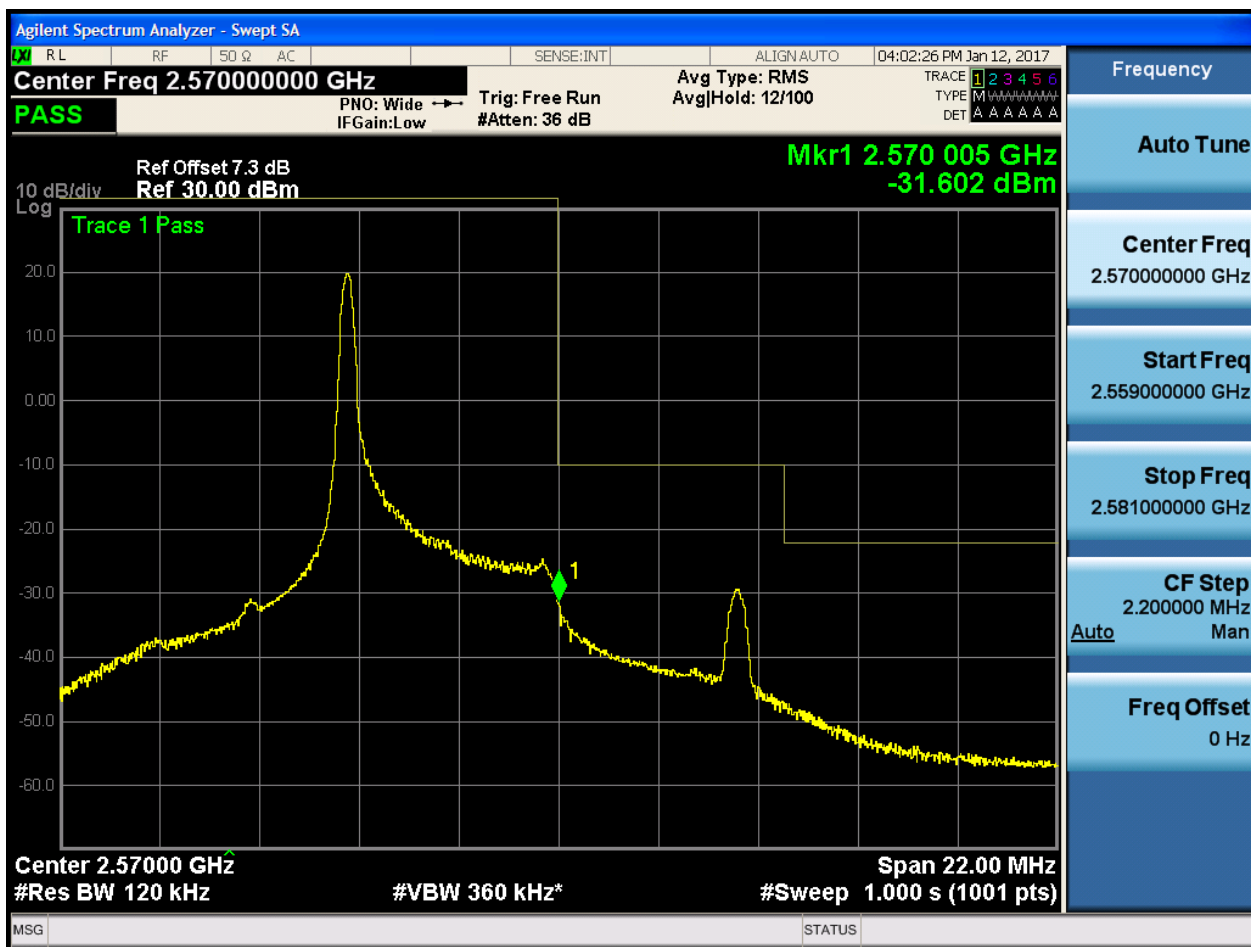
CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



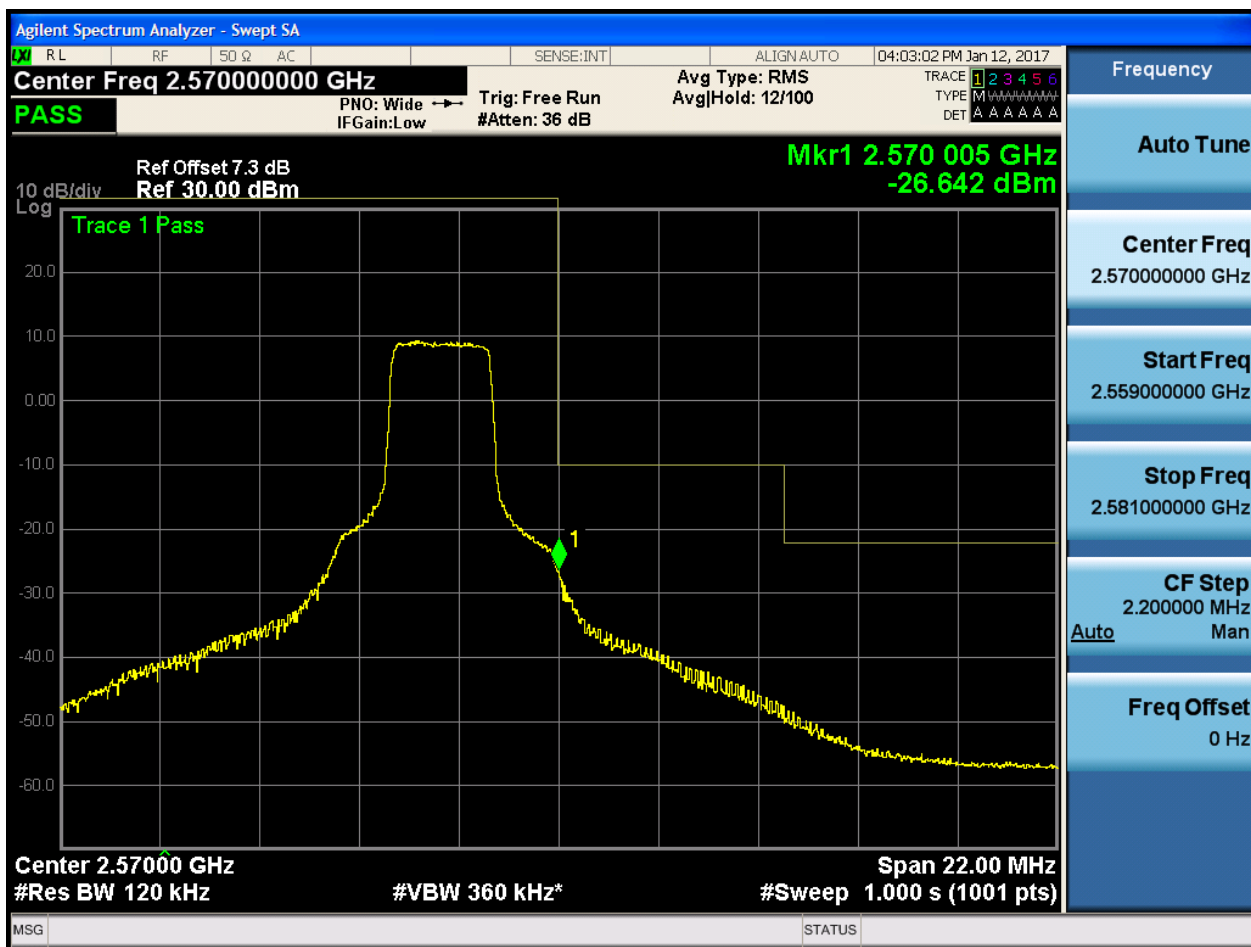


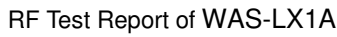
5.1.1.1.2.2 Test RB = RB1#24





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 2.57000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100
PASS #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

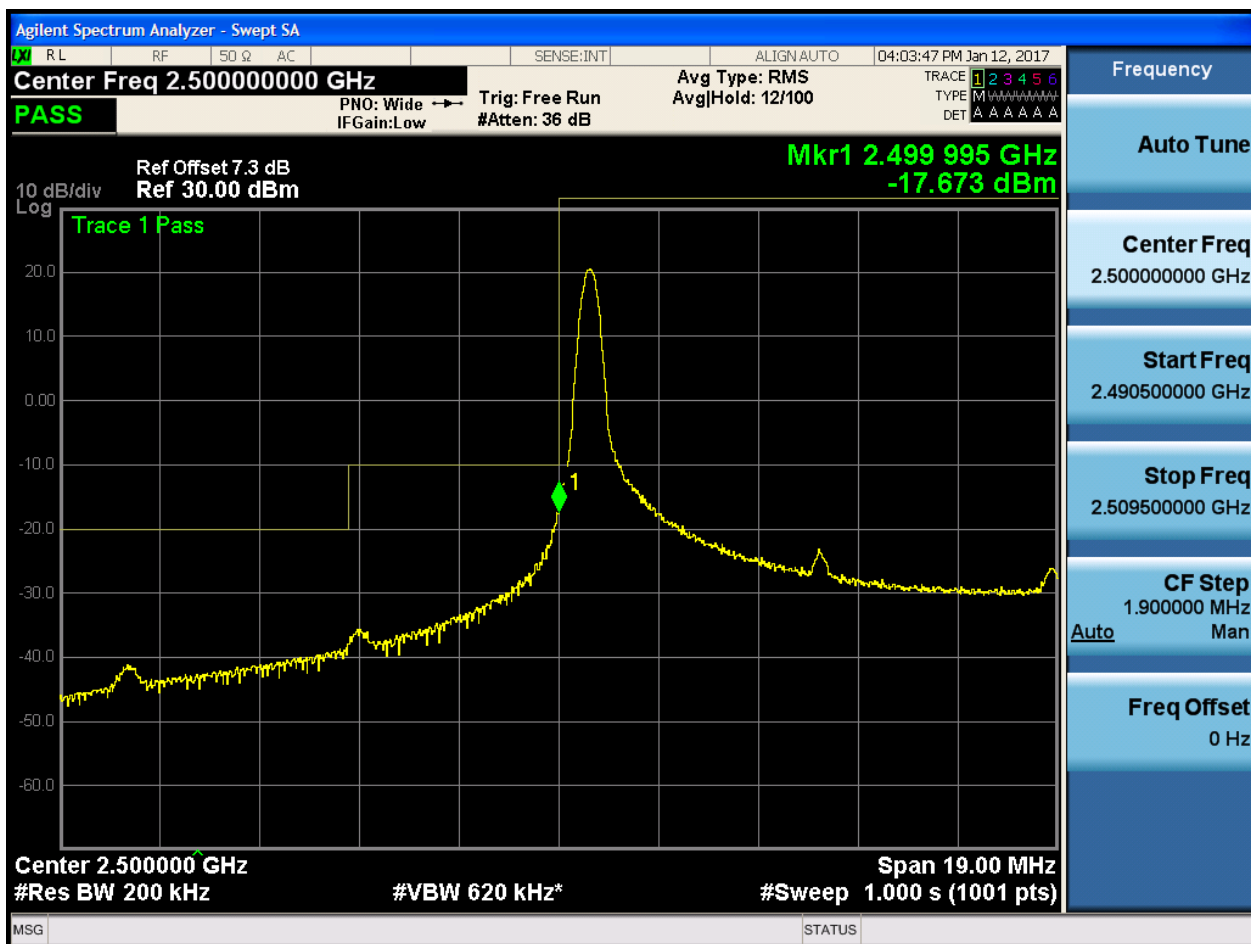
Freq Offset
0 Hz



5.1.1.1.2 Test Bandwidth = 10

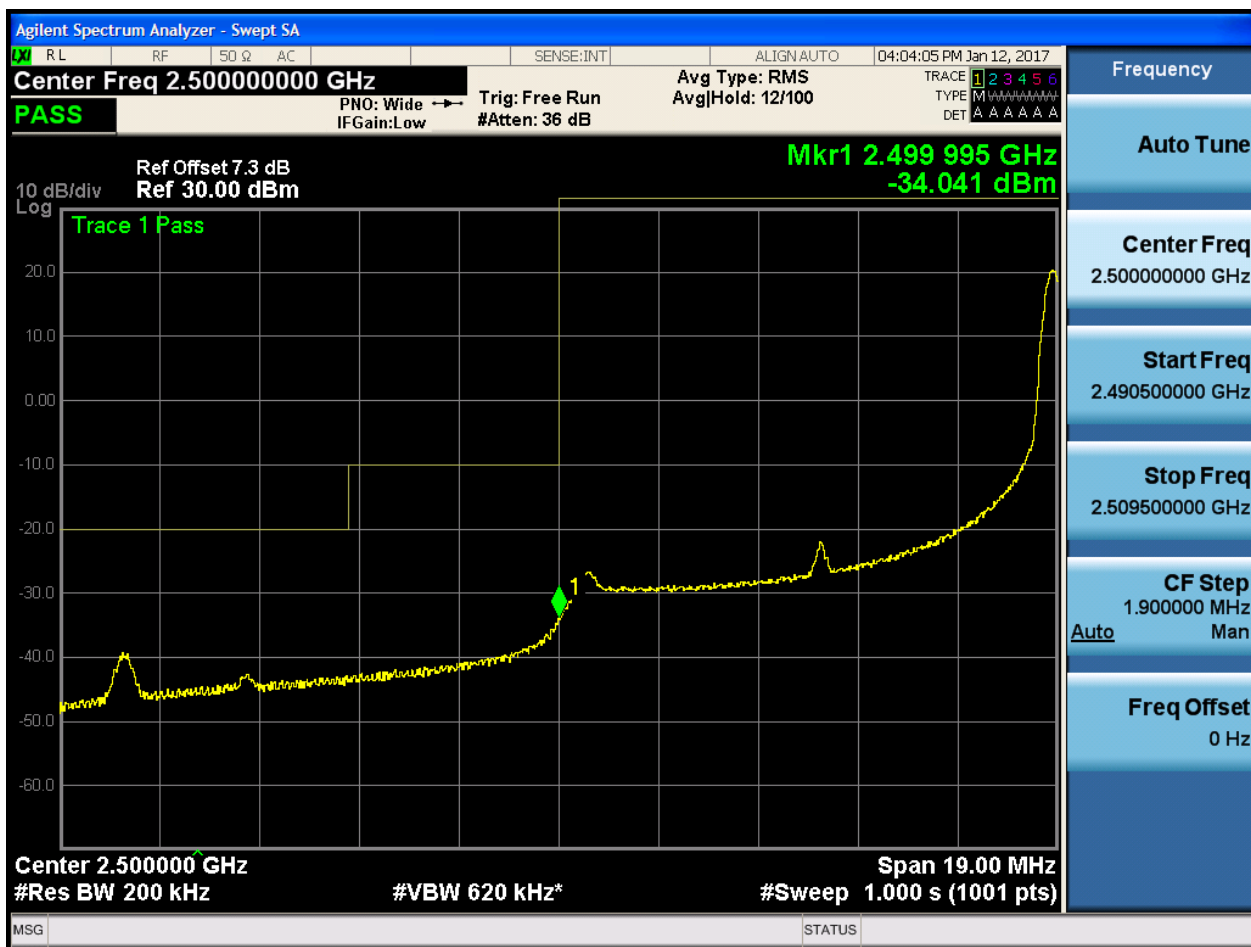
5.1.1.1.2.1 Test Channel = LCH

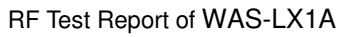
5.1.1.1.2.1.1 Test RB = RB1#0





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

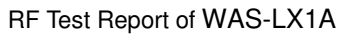
Mkr1 2.499 995 GHz
-28.498 dBm

10 dB/div
Log

Trace 1 Pass

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

MSG STATUS



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
#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
-25.184 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

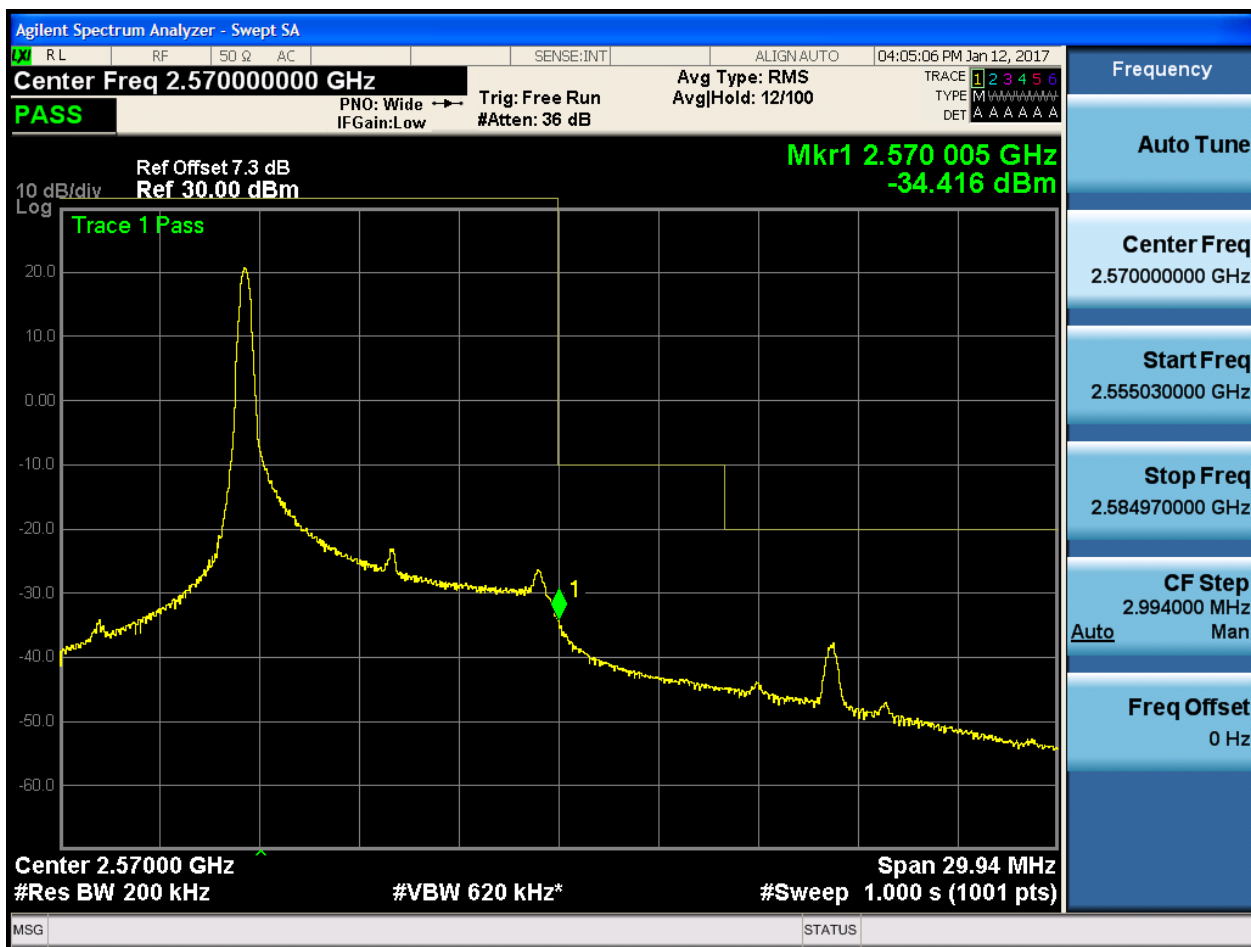
CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



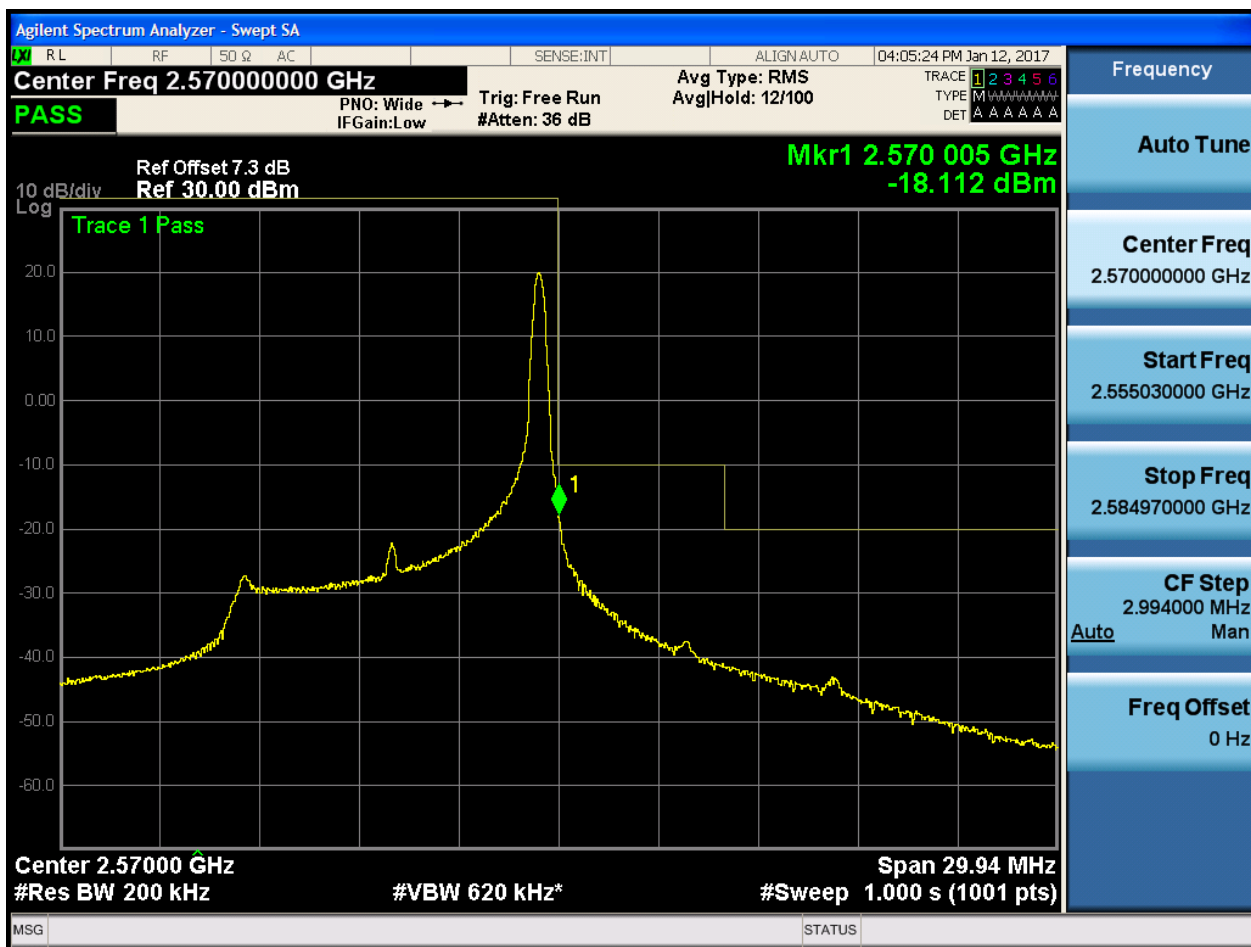
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



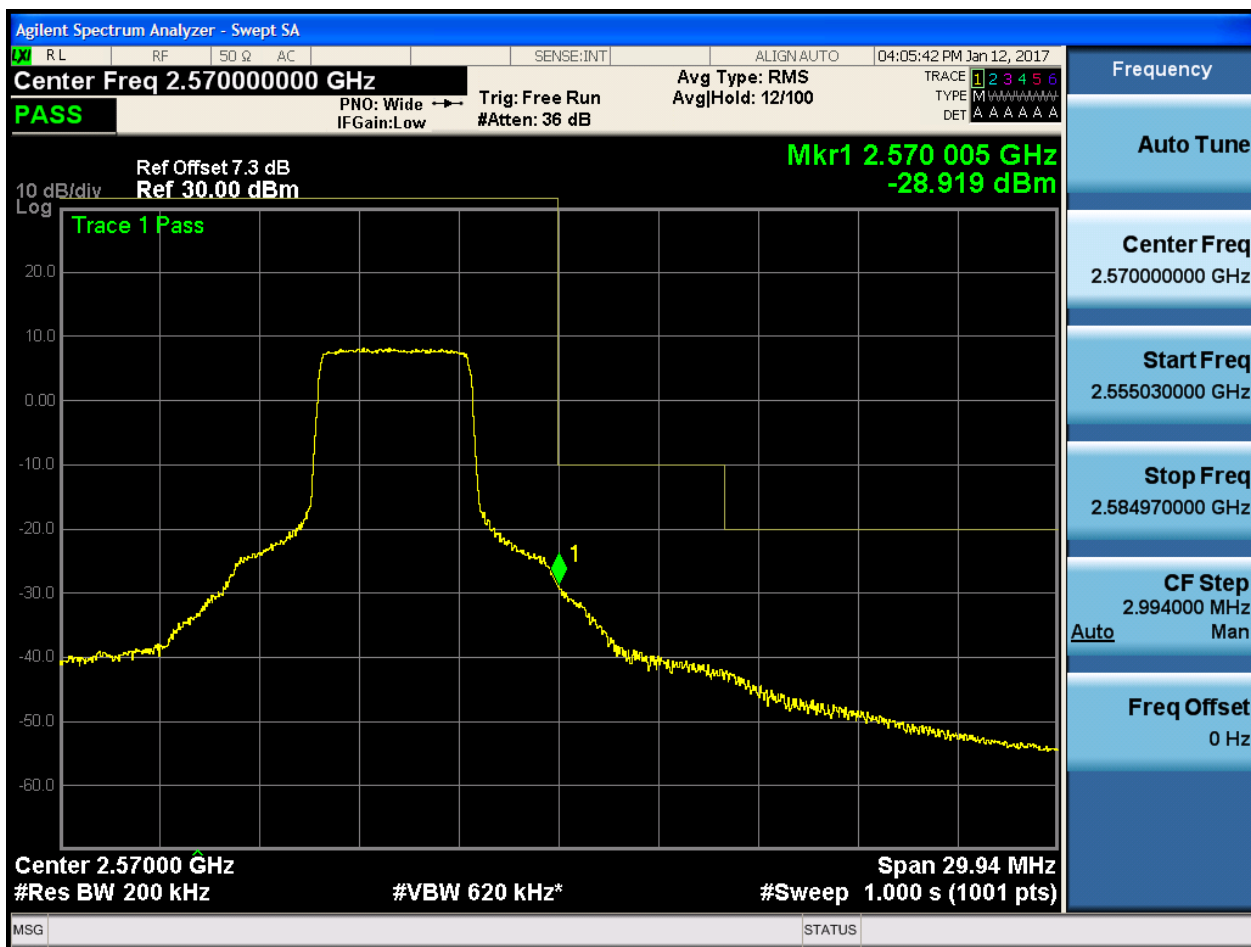


5.1.1.1.2.2.2 Test RB = RB1#49





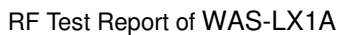
5.1.1.1.2.2.3 Test RB = RB25#13



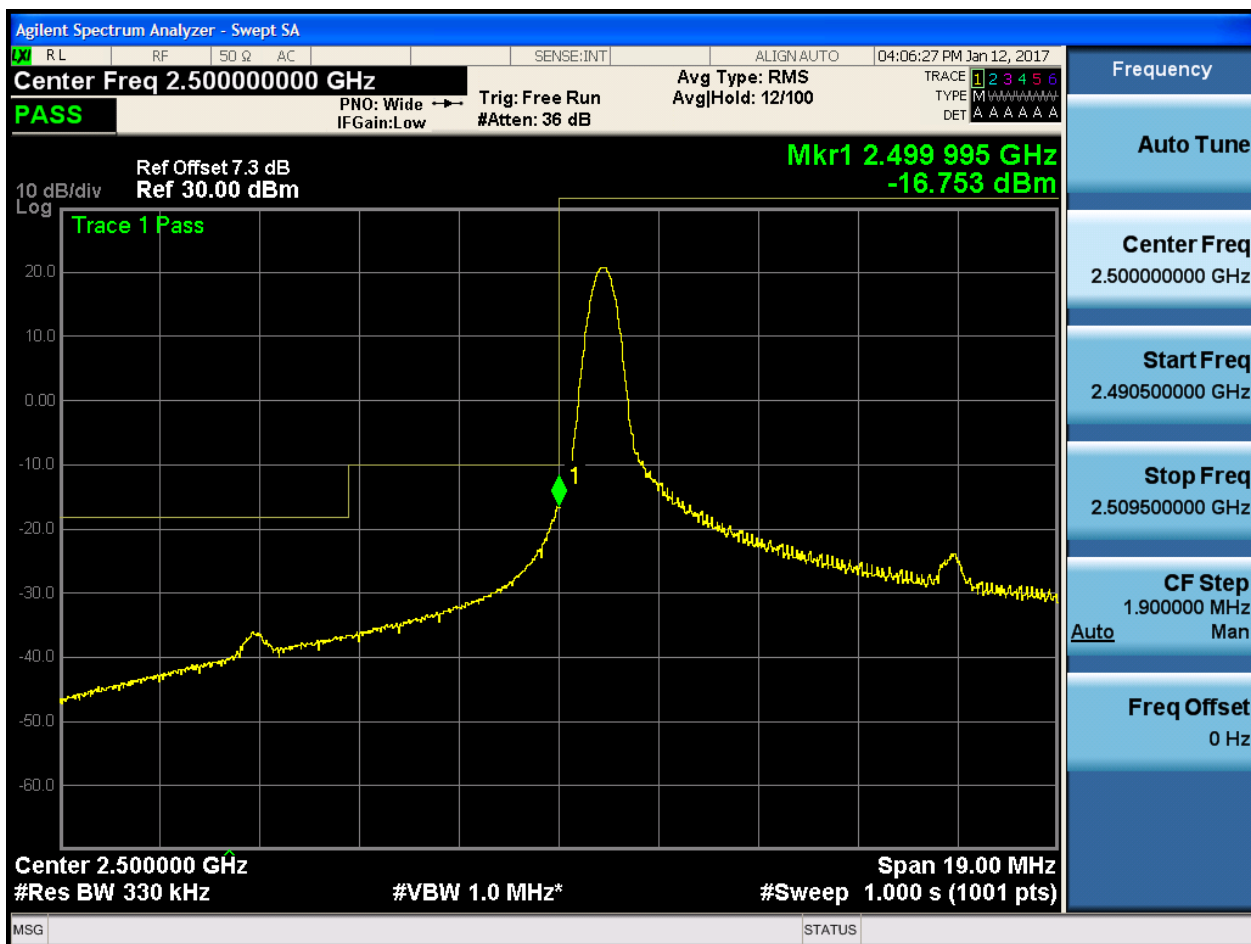


5.1.1.1.2.2.4 Test RB = RB50#0





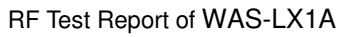
5.1.1.1.3.1.1 Test RB = RB1#0





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

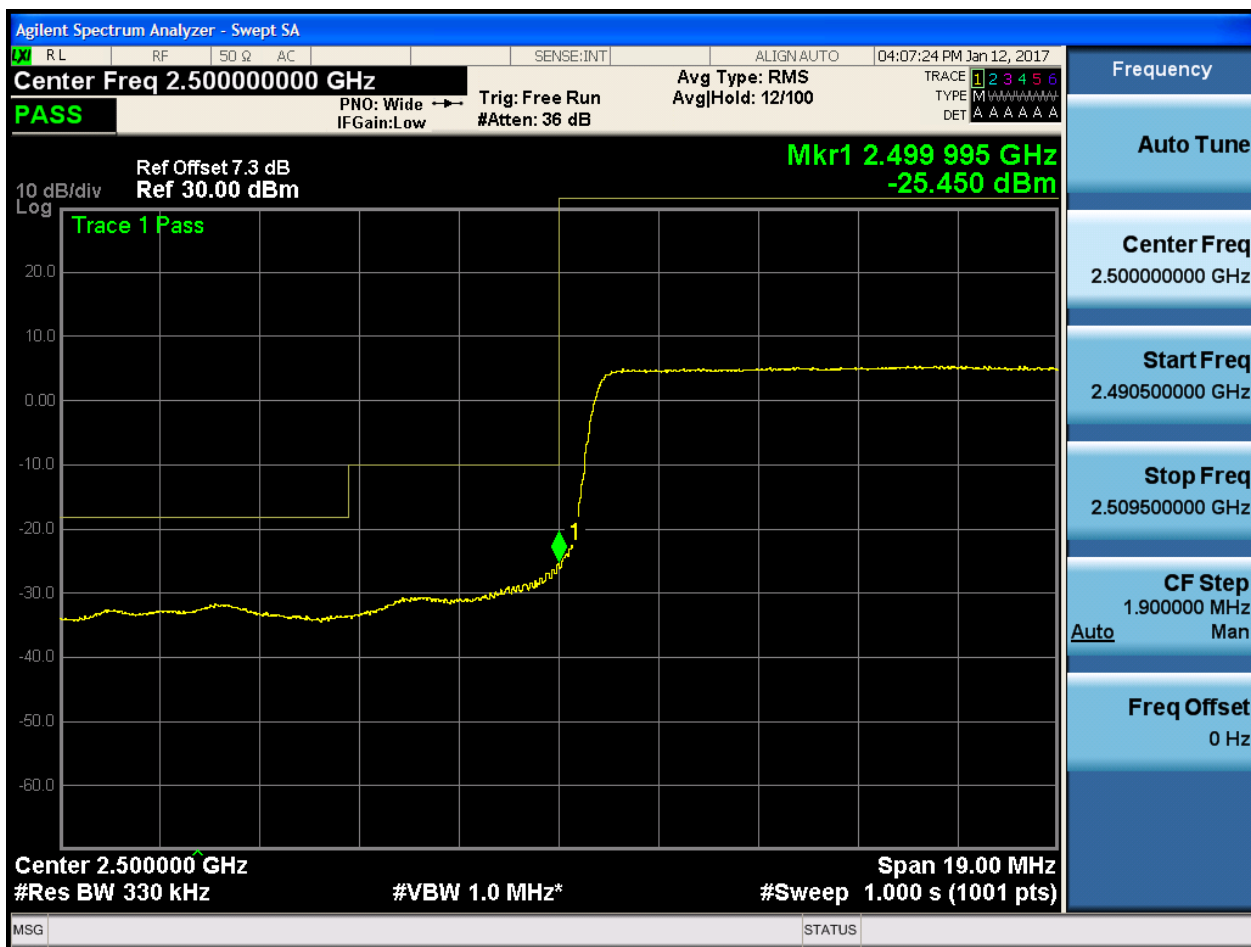
Trace 1 Pass

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

MSG STATUS



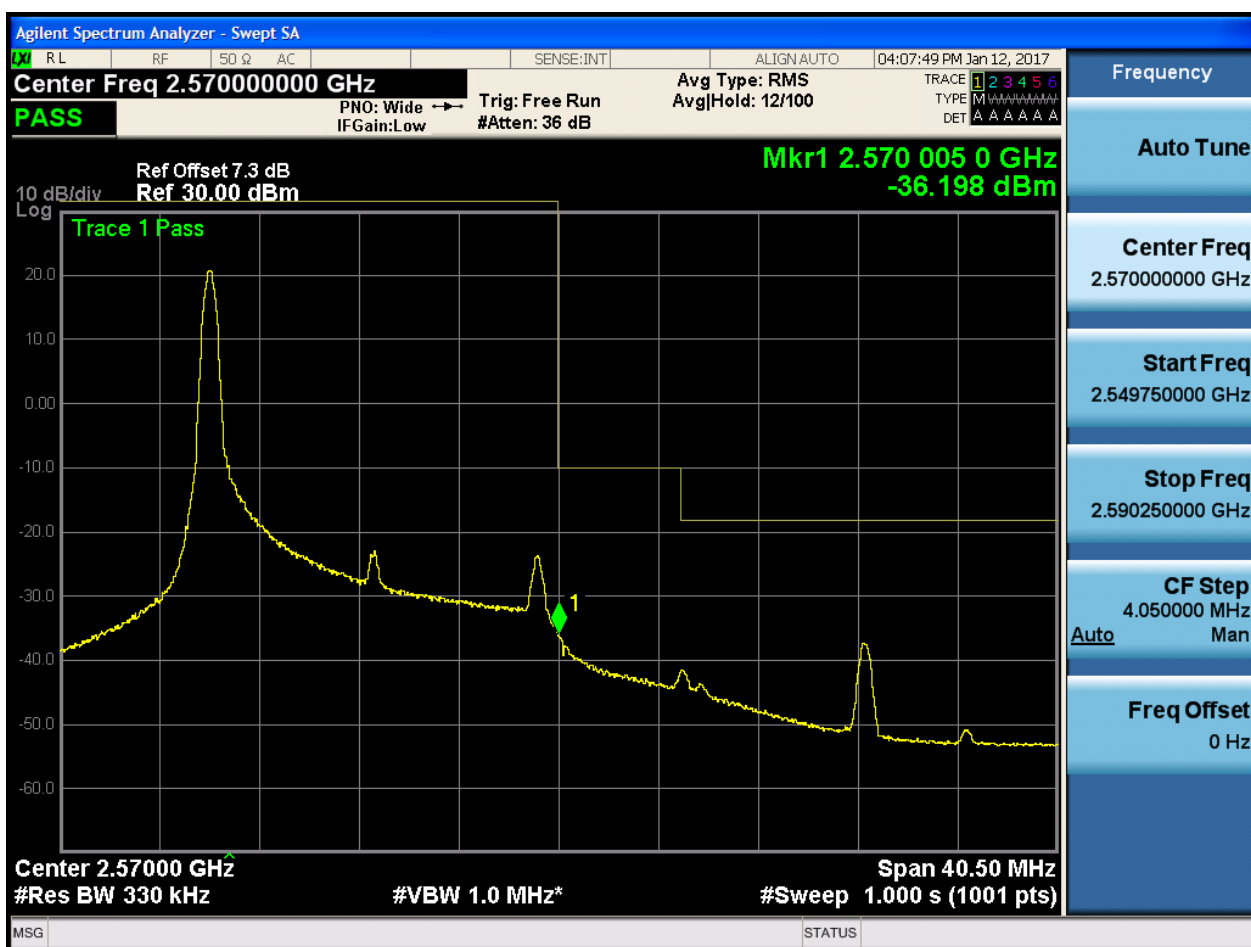
5.1.1.1.3.1.4 Test RB = RB75#0

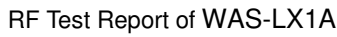




5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





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 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

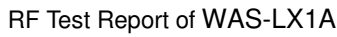
10 dB/div
Log

Trace 1 Pass

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

Frequency
Auto Tune
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

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:08:27 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 0 GHz
-28.687 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.57000 GHz
#Res BW 330 kHz

#VBW 1.0 MHz*

Span 40.50 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
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



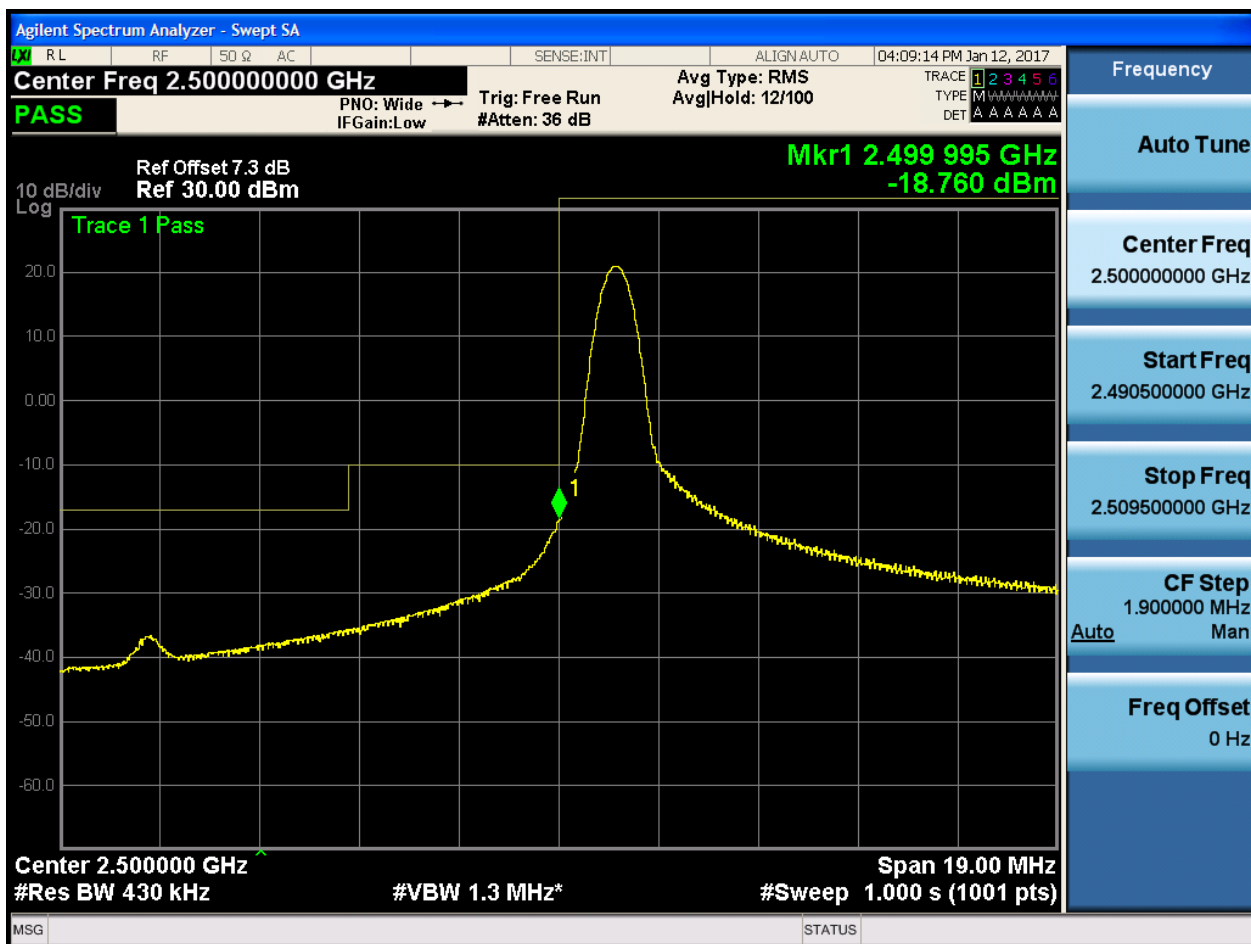
5.1.1.1.3.2.4 Test RB = RB75#0



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



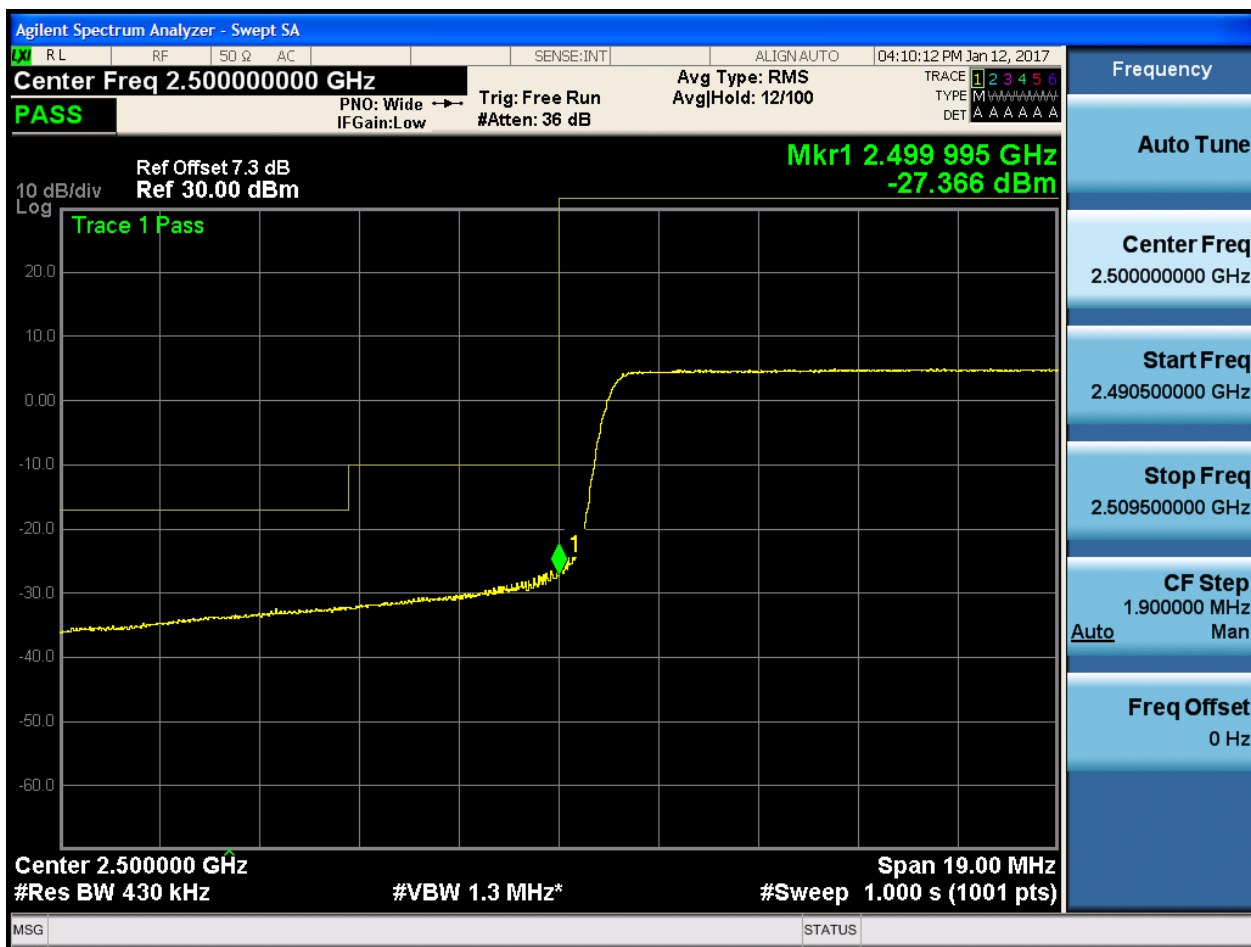


5.1.1.1.4.1.3 Test RB = RB50#25





5.1.1.1.4.1.4 Test RB = RB100#0





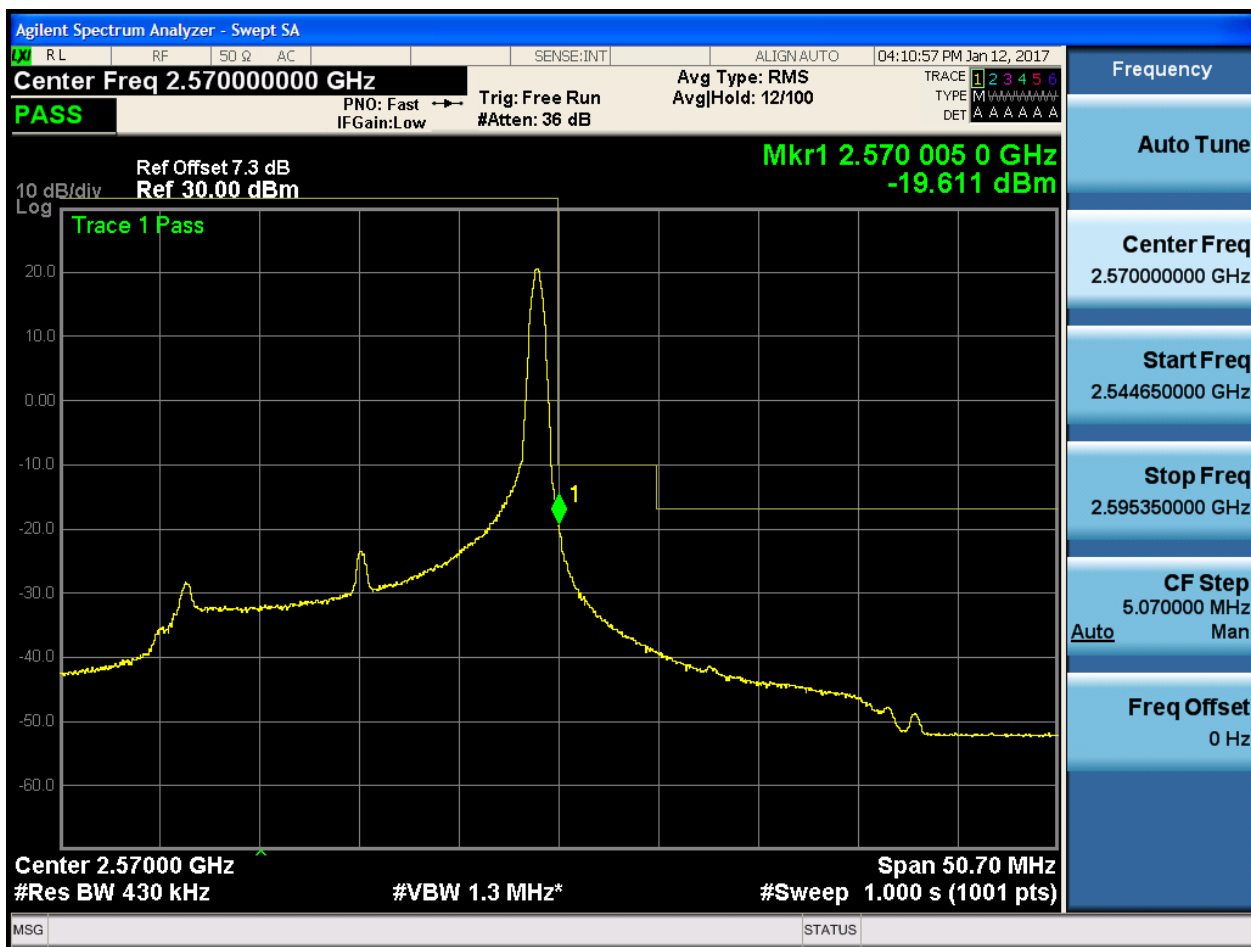
5.1.1.1.4.2 Test Channel = HCH

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



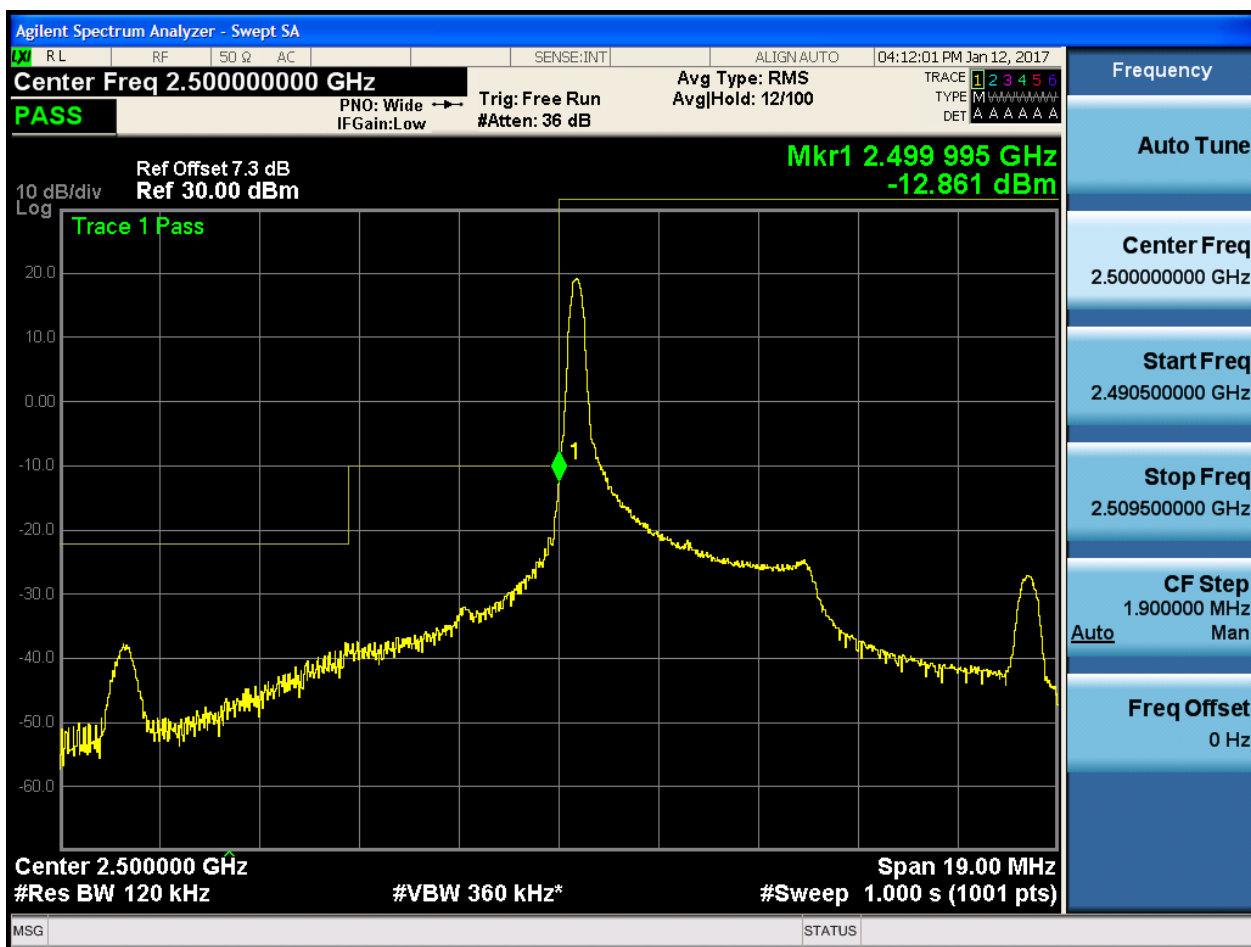


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

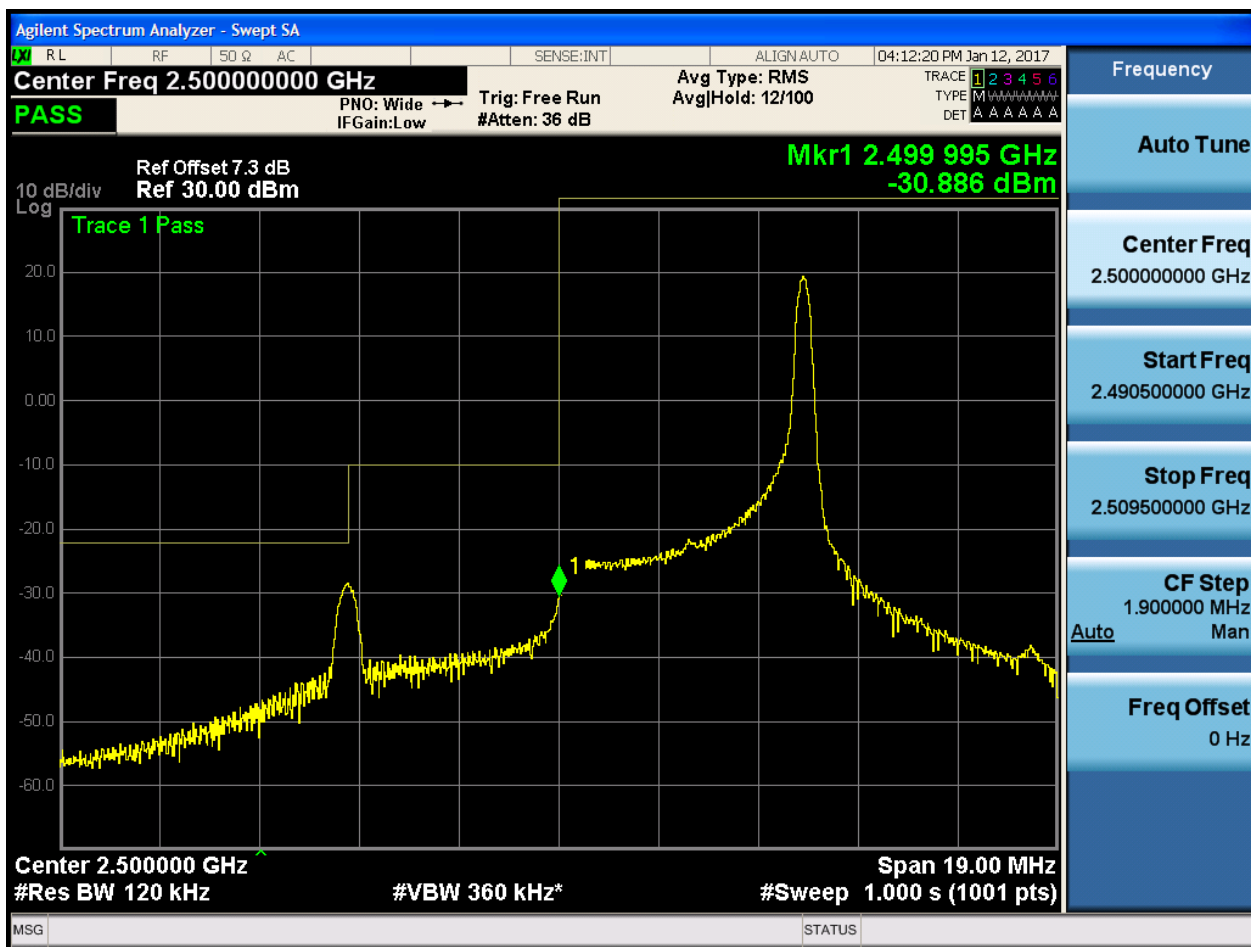
5.1.1.2.1.1 Test Channel = LCH

5.1.1.1.1.1 Test RB = RB1#0



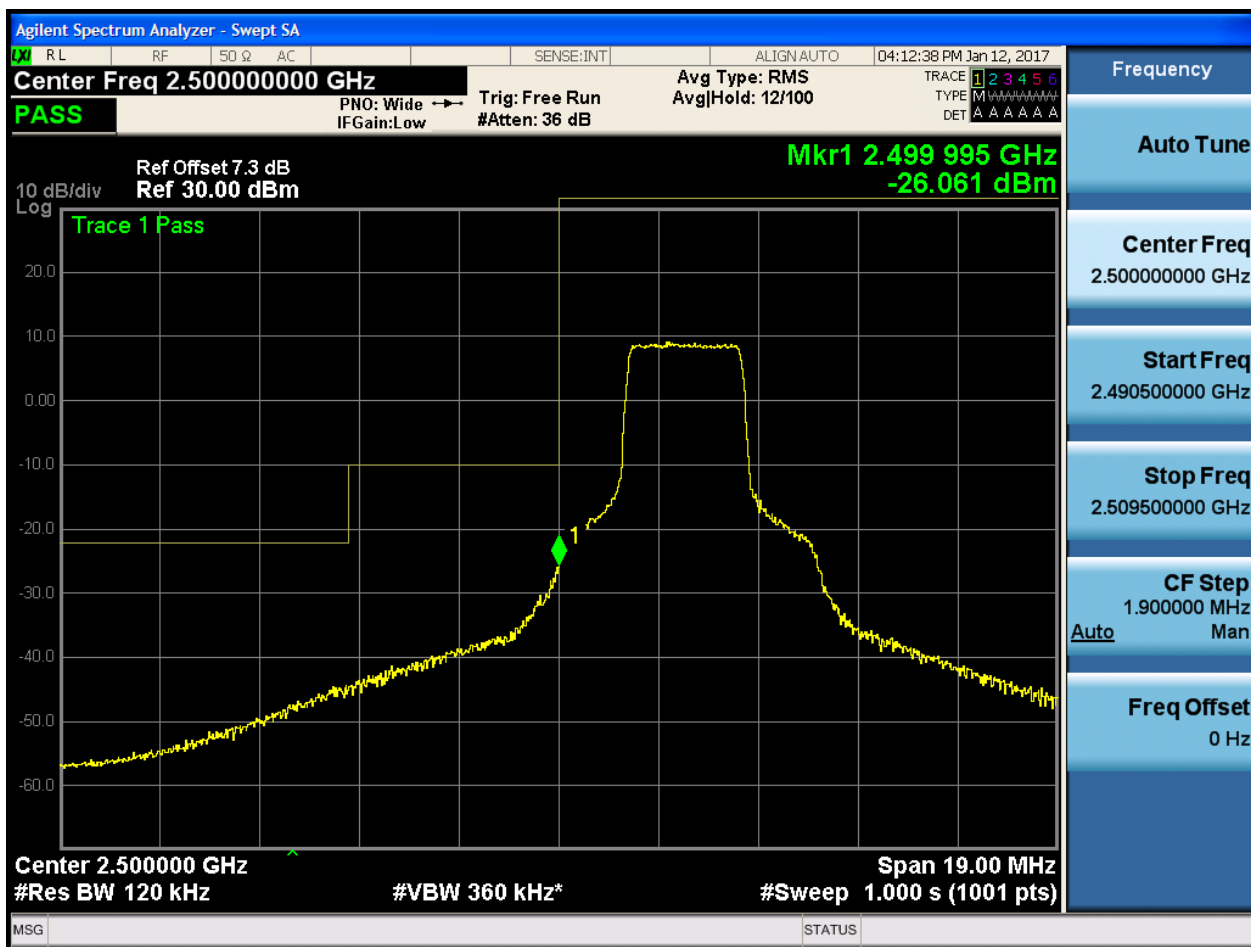


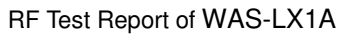
5.1.1.2.1.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6





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

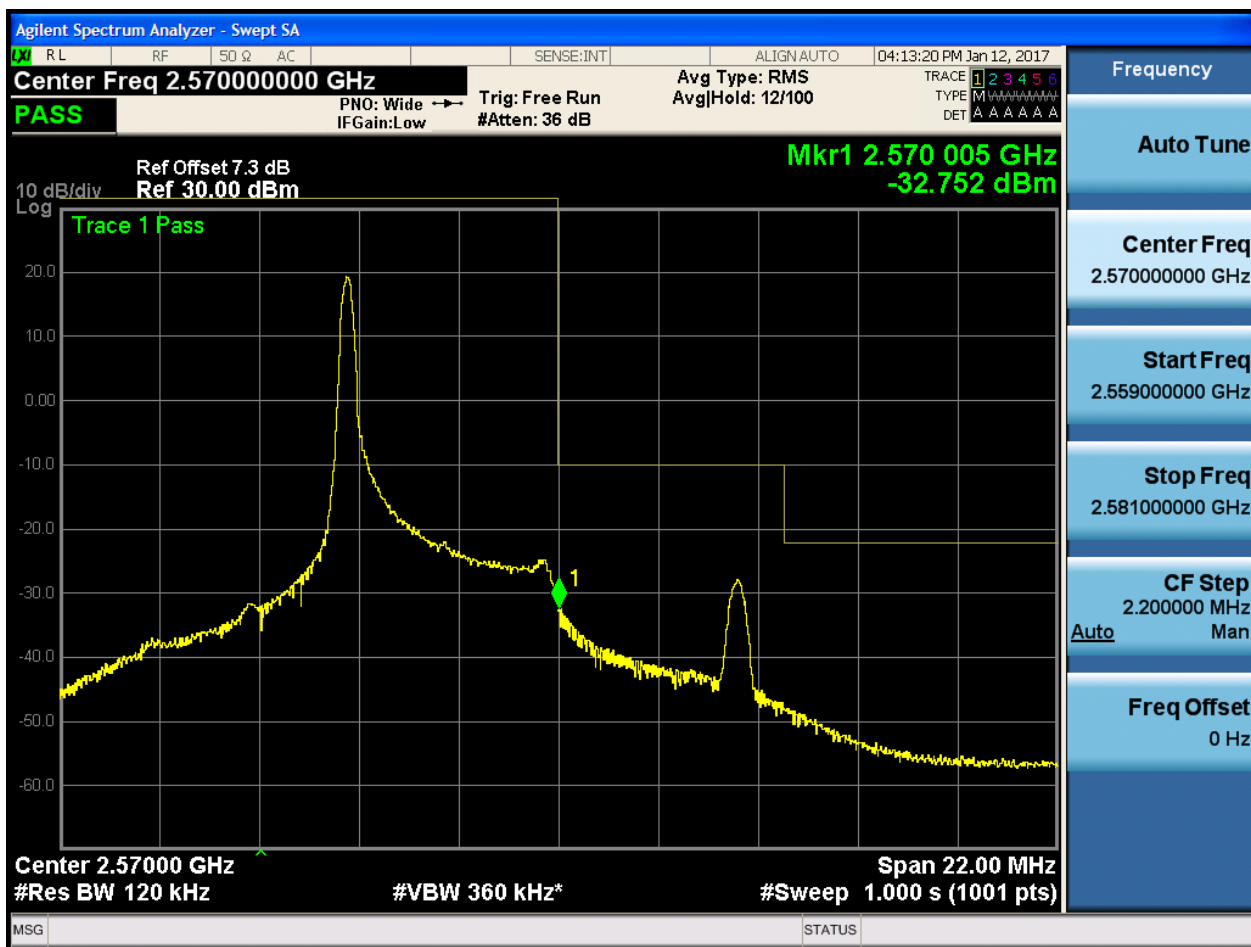
CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



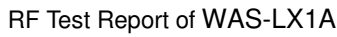
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



5.1.1.2.1.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:13:57 PM Jan 12, 2017

Center Freq 2.570000000 GHz Avg Type: RMS
PASS PNO: Wide Trig: Free Run Avg/Hold: 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
-28.170 dBm

10 dB/div
Log

Trace 1 Pass

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

MSG STATUS

Frequency

Auto Tune

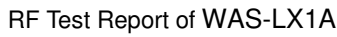
Center Freq
2.570000000 GHz

Start Freq
2.559000000 GHz

Stop Freq
2.581000000 GHz

CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz



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)

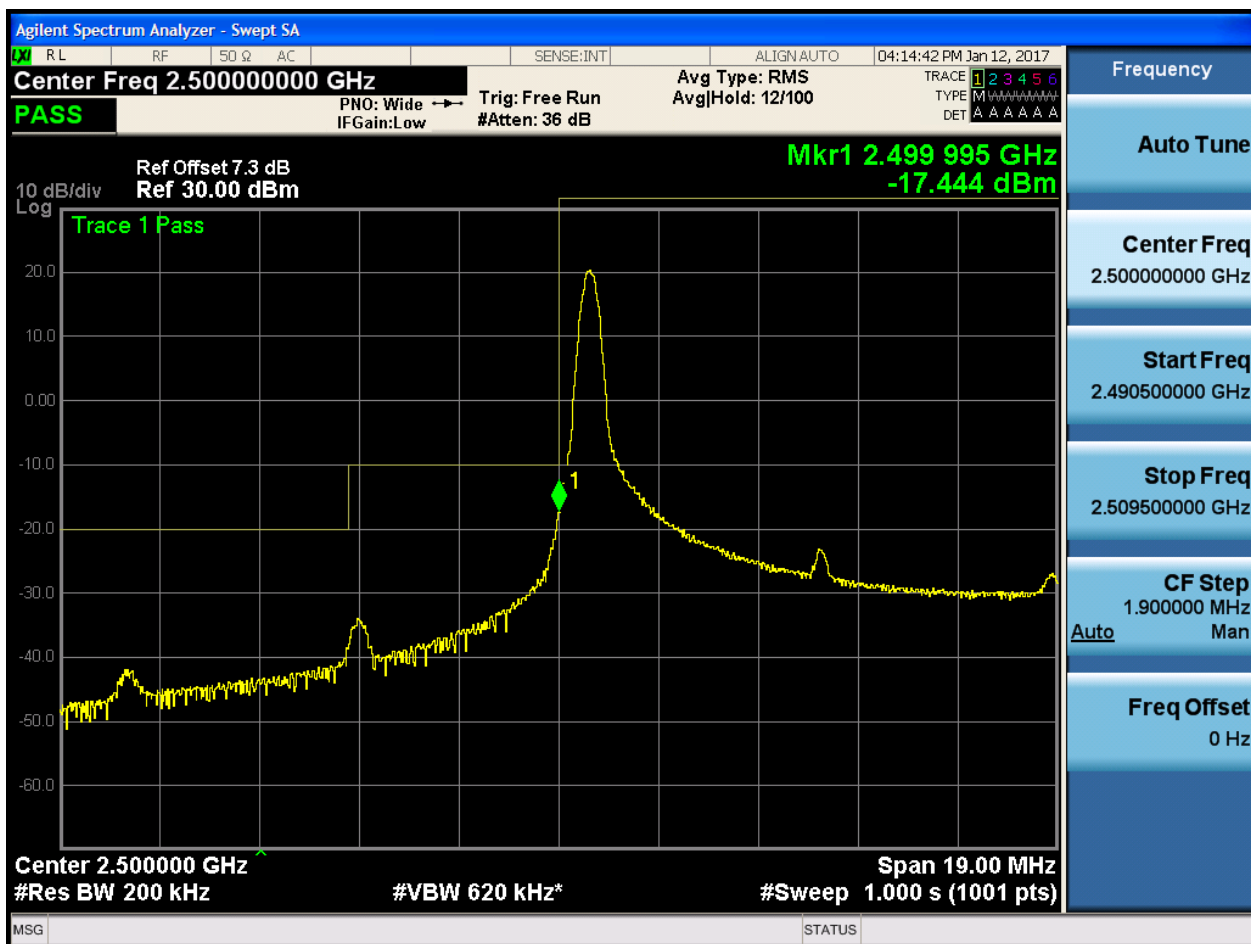
MSG STATUS



5.1.1.2.2 Test Bandwidth = 10

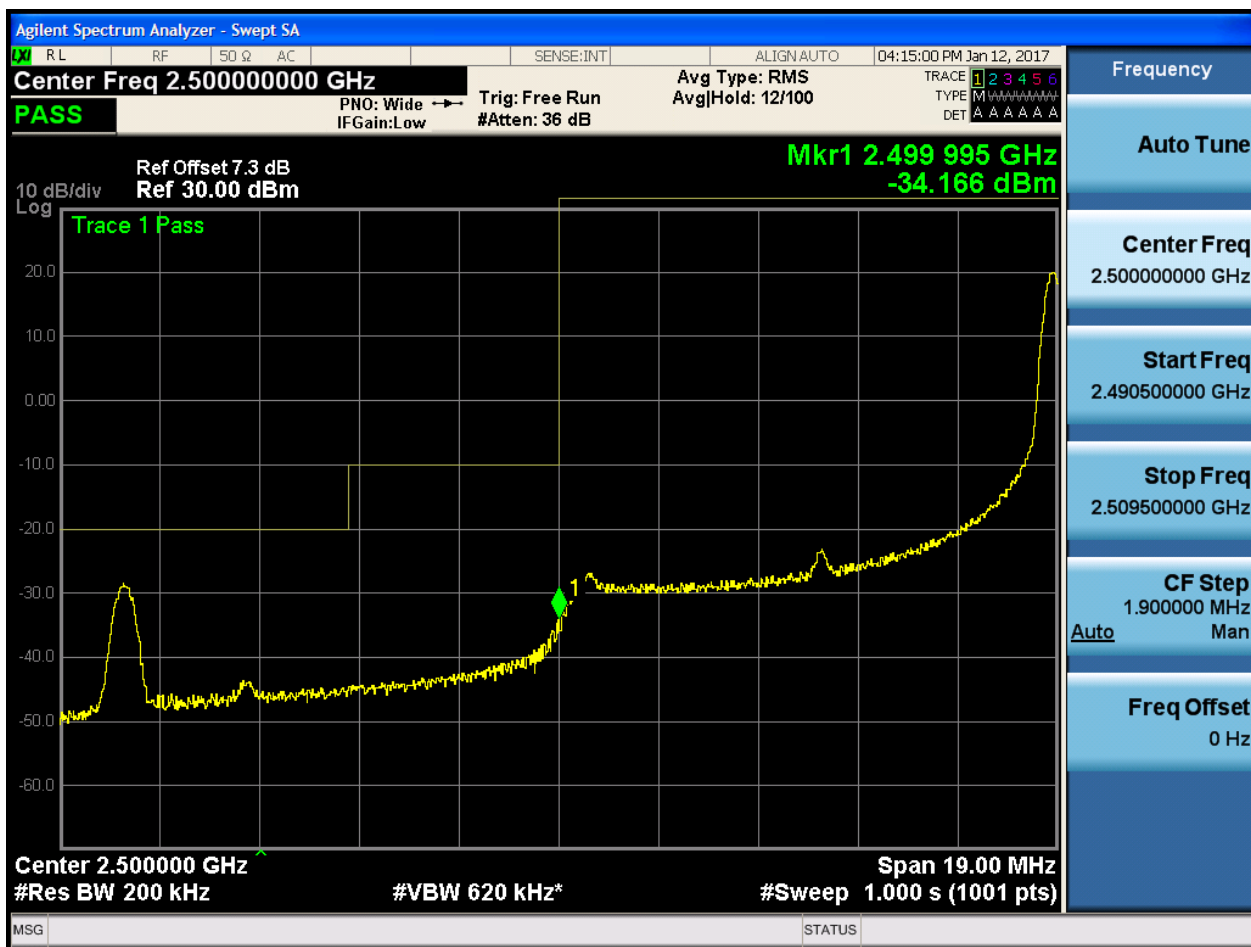
5.1.1.2.2.1 Test Channel = LCH

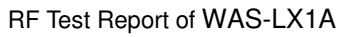
5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:15:18 PM Jan 12, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
#Att: 36 dB

PASS PNO: Wide IFGain:Low Trig: Free Run

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-30.770 dBm

10 dB/div
Log

Trace 1 Pass

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

MSG STATUS

Frequency

Auto Tune

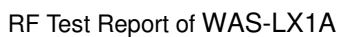
Center Freq
2.500000000 GHz

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

Center Freq 2.50000000 GHz
PASS

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 36 dB

Avg Type: RMS
Avg|Hold: 12/100

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.499 995 GHz
-25.712 dBm

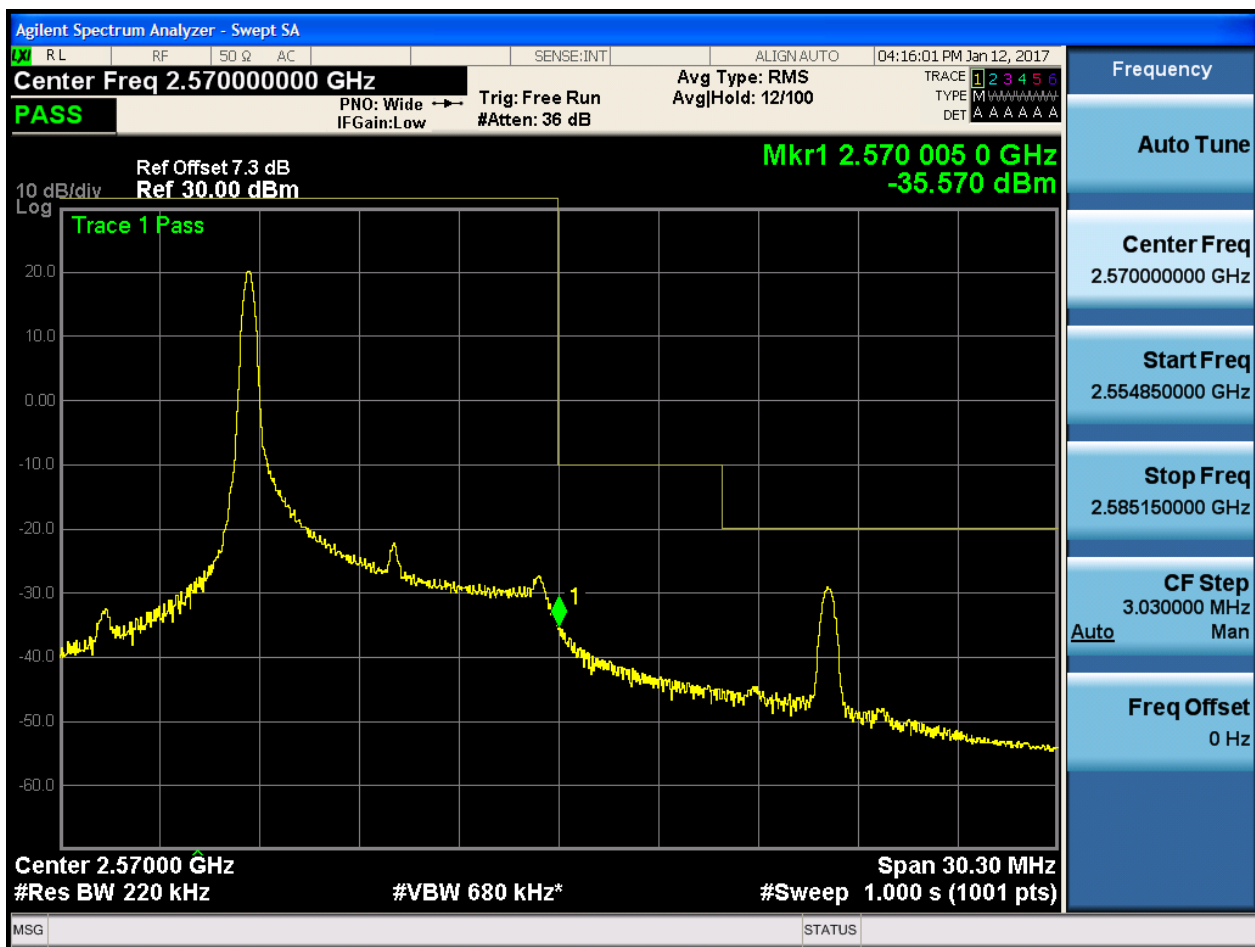
Trace 1 Pass

The figure displays a spectrum analyzer screen with a black background and a yellow grid. A yellow trace shows a signal that rises sharply from about -45 dBm at 2.49 MHz to a plateau of approximately -5 dBm starting around 2.499995 GHz. A green marker labeled 'Mkr1' is placed on the rising edge of the signal at 2.499 995 GHz with a level of -25.712 dBm. The y-axis is labeled '10 dB/div Log' and ranges from -60.0 to 20.0. The x-axis represents frequency. At the bottom, parameters are listed: Center 2.500000 GHz, #Res BW 200 kHz, #VBW 620 kHz*, Span 19.00 MHz, and #Sweep 1.000 s (1001 pts). On the right side, there are several control buttons: Frequency, Auto Tune, Center Freq (2.50000000 GHz), Start Freq (2.49050000 GHz), Stop Freq (2.50950000 GHz), CF Step (1.900000 MHz) with 'Auto' and 'Man' options, and Freq Offset (0 Hz).



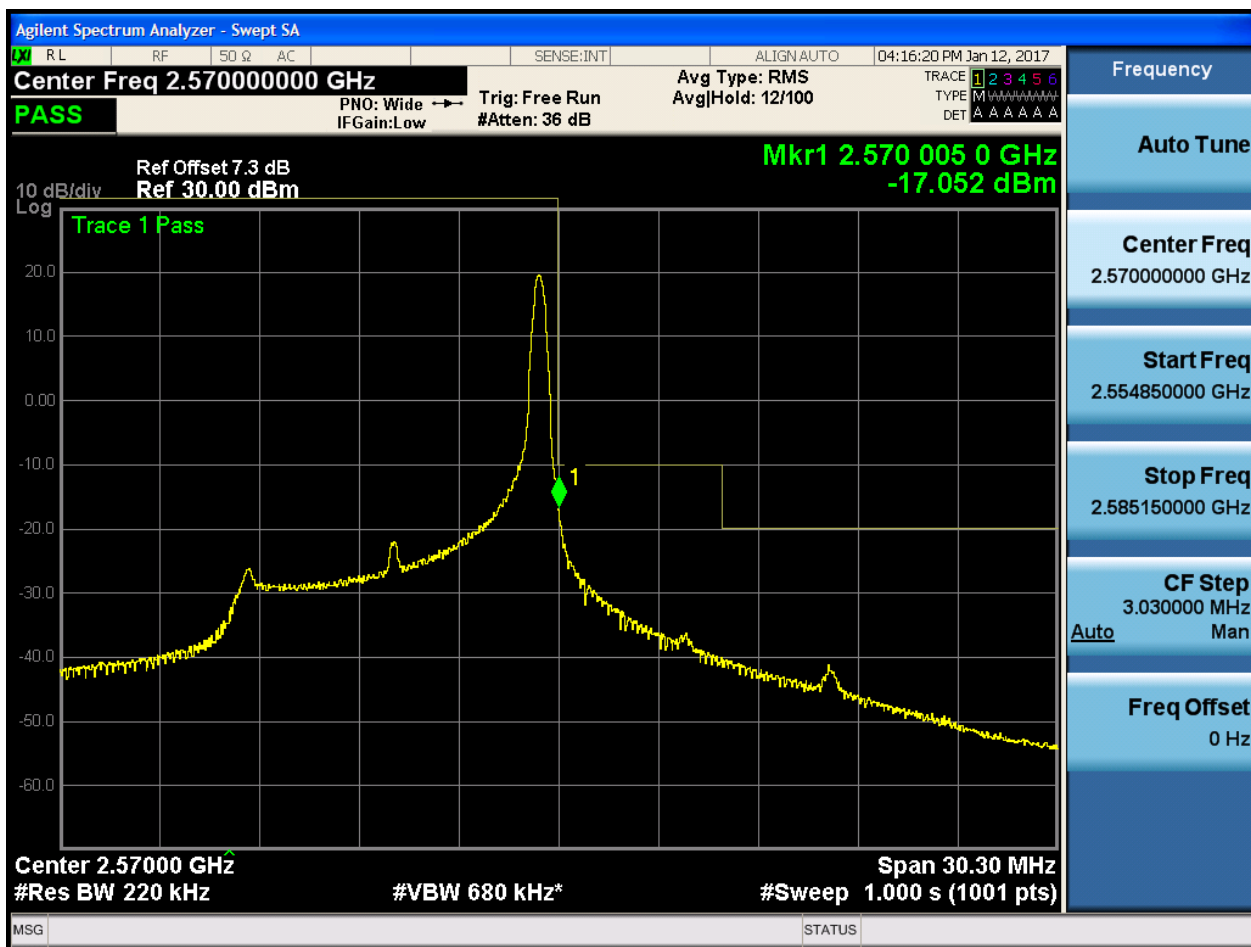
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



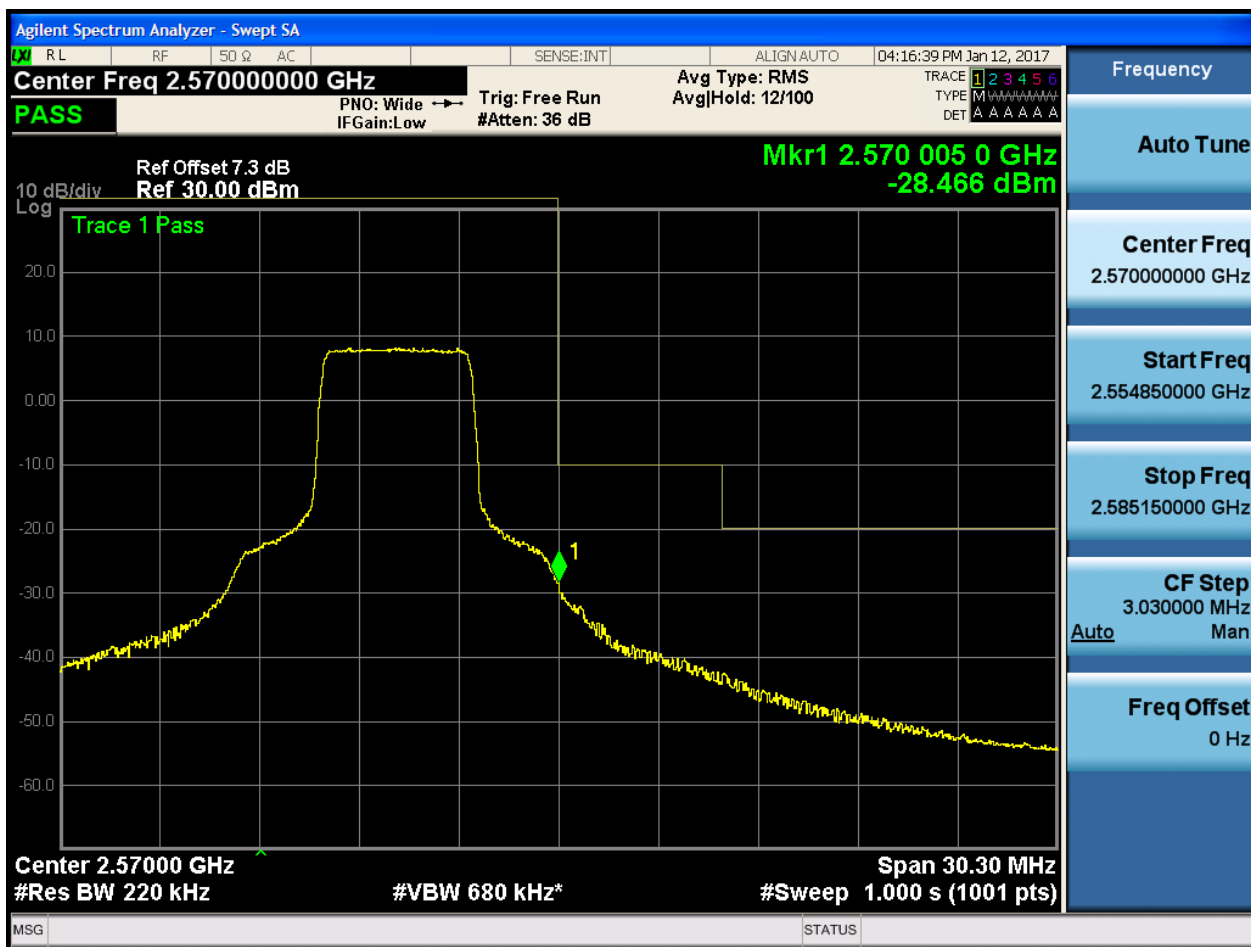


5.1.1.2.2.2.2 Test RB = RB1#49





5.1.1.2.2.3 Test RB = RB25#13





5.1.1.2.2.4 Test RB = RB50#0

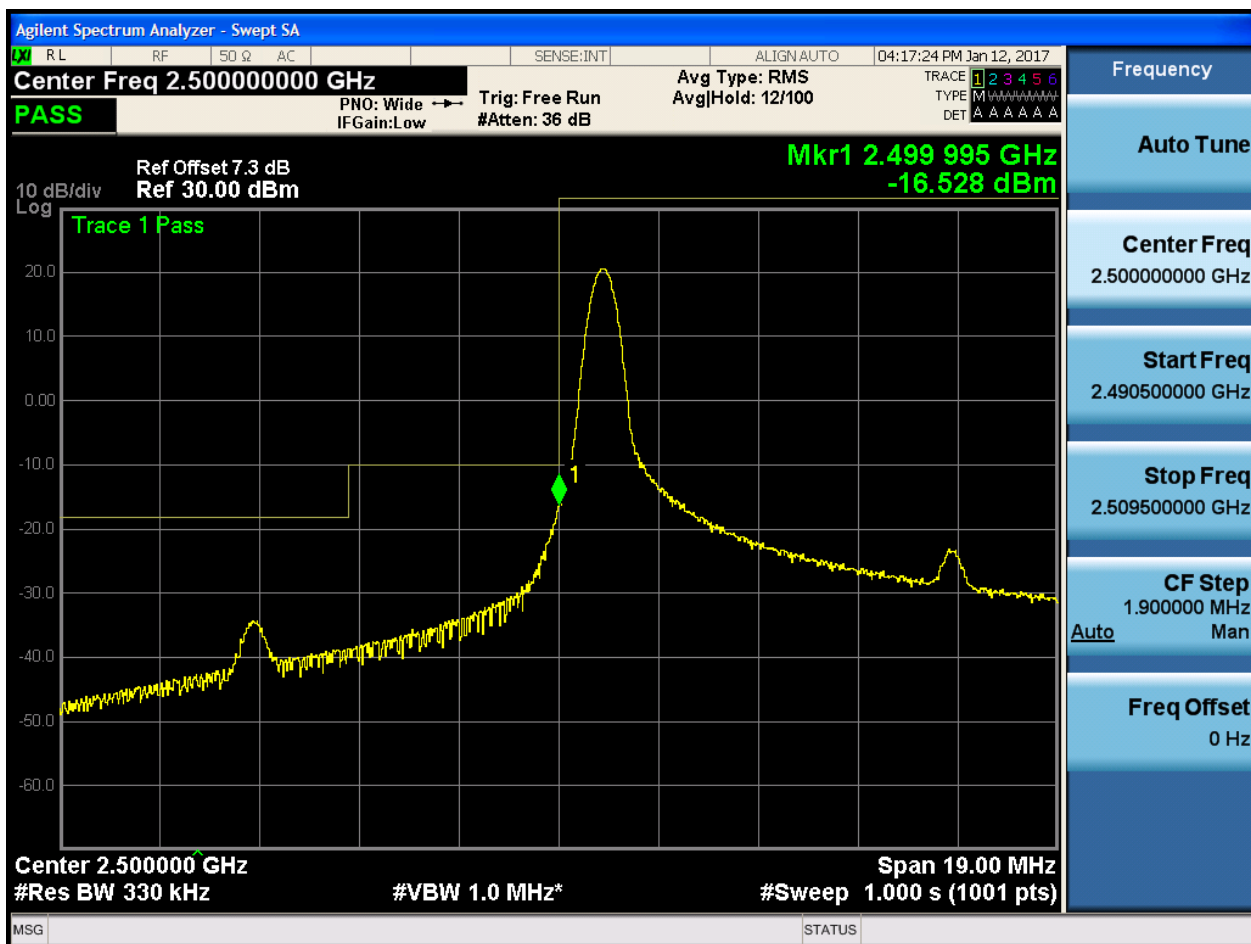




5.1.1.2.3 Test Bandwidth = 15

5.1.1.2.3.1 Test Channel = LCH

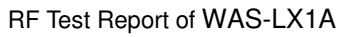
5.1.1.2.3.1.1 Test RB = RB1#0





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

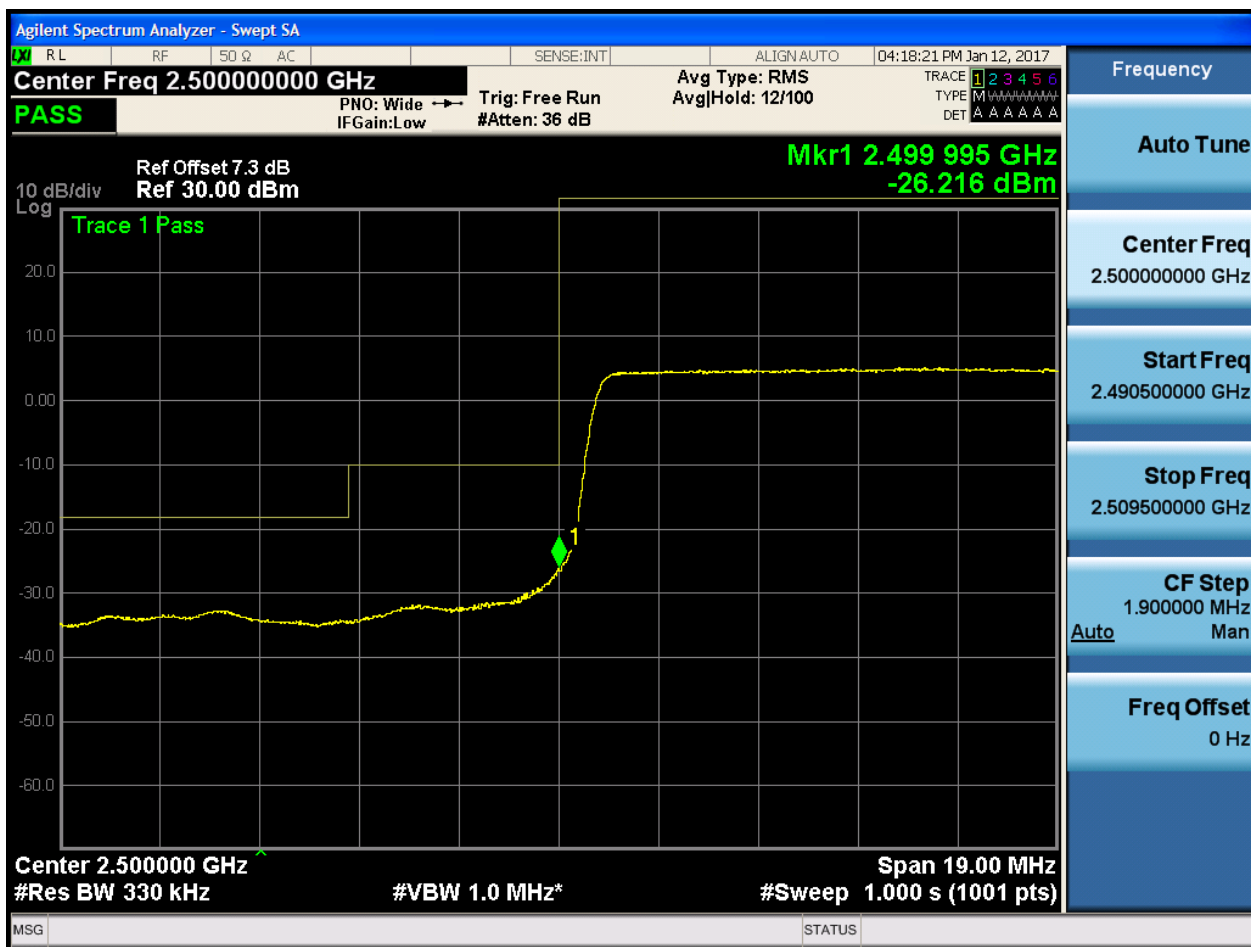
Stop Freq
2.509500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



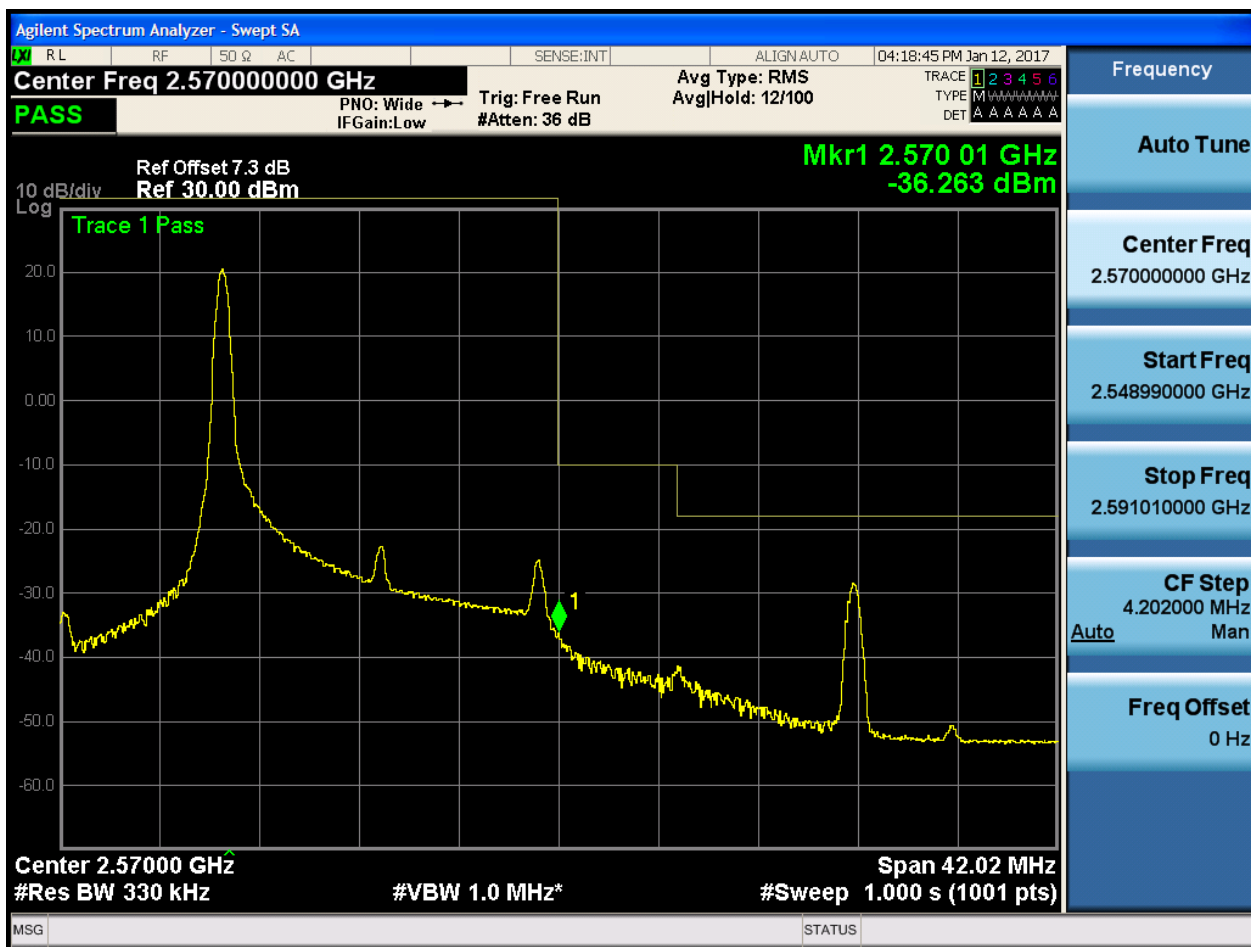
5.1.1.2.3.1.4 Test RB = RB75#0

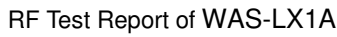




5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:19:04 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 01 GHz
-17.592 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

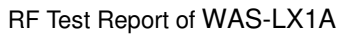
Center Freq
2.570000000 GHz

Start Freq
2.548990000 GHz

Stop Freq
2.591010000 GHz

CF Step
4.202000 MHz
Auto Man

Freq Offset
0 Hz



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

The spectrum analyzer display shows a signal trace with a peak at 2.57001 GHz. The trace is labeled 'Trace 1 Pass'. The peak is marked with a green diamond and the number '1'. The signal level at the peak is -29.103 dBm. The display also shows the center frequency, span, resolution bandwidth, and other parameters.

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

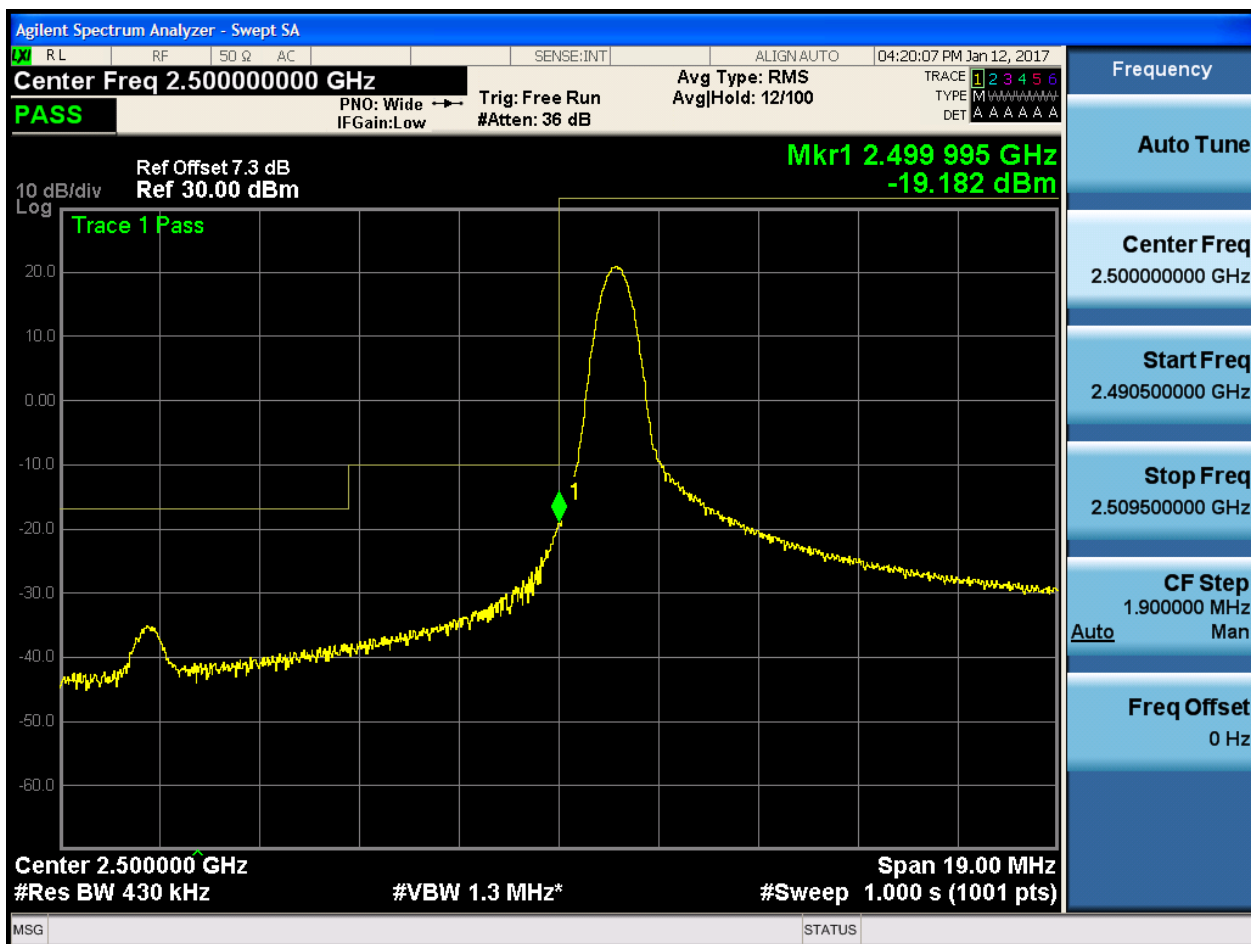


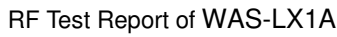


5.1.1.2.4 Test Bandwidth = 20

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

MSG STATUS

Frequency

Auto Tune

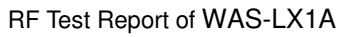
Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

Stop Freq
2.509500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



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

Frequency

Auto Tune

Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

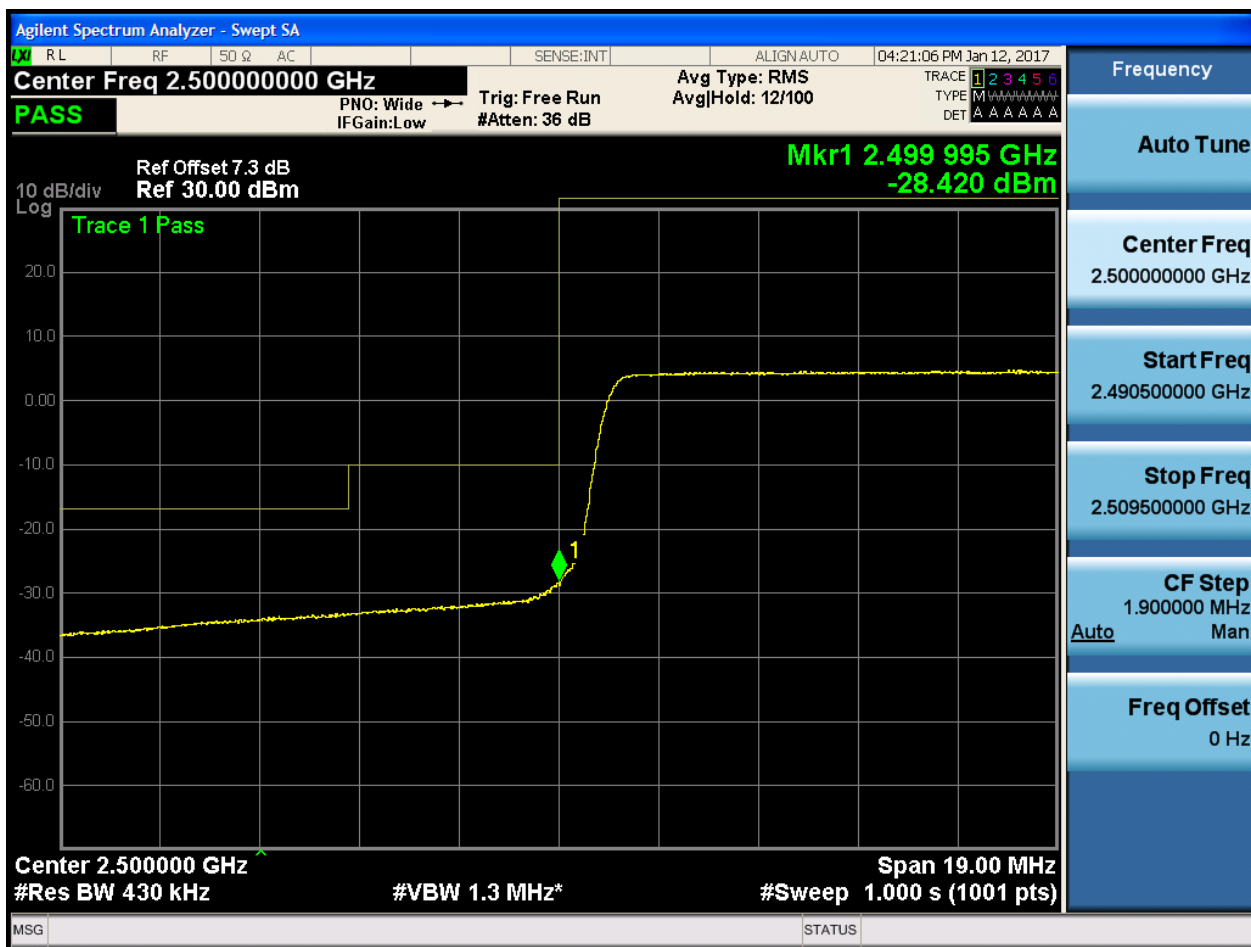
Stop Freq
2.509500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



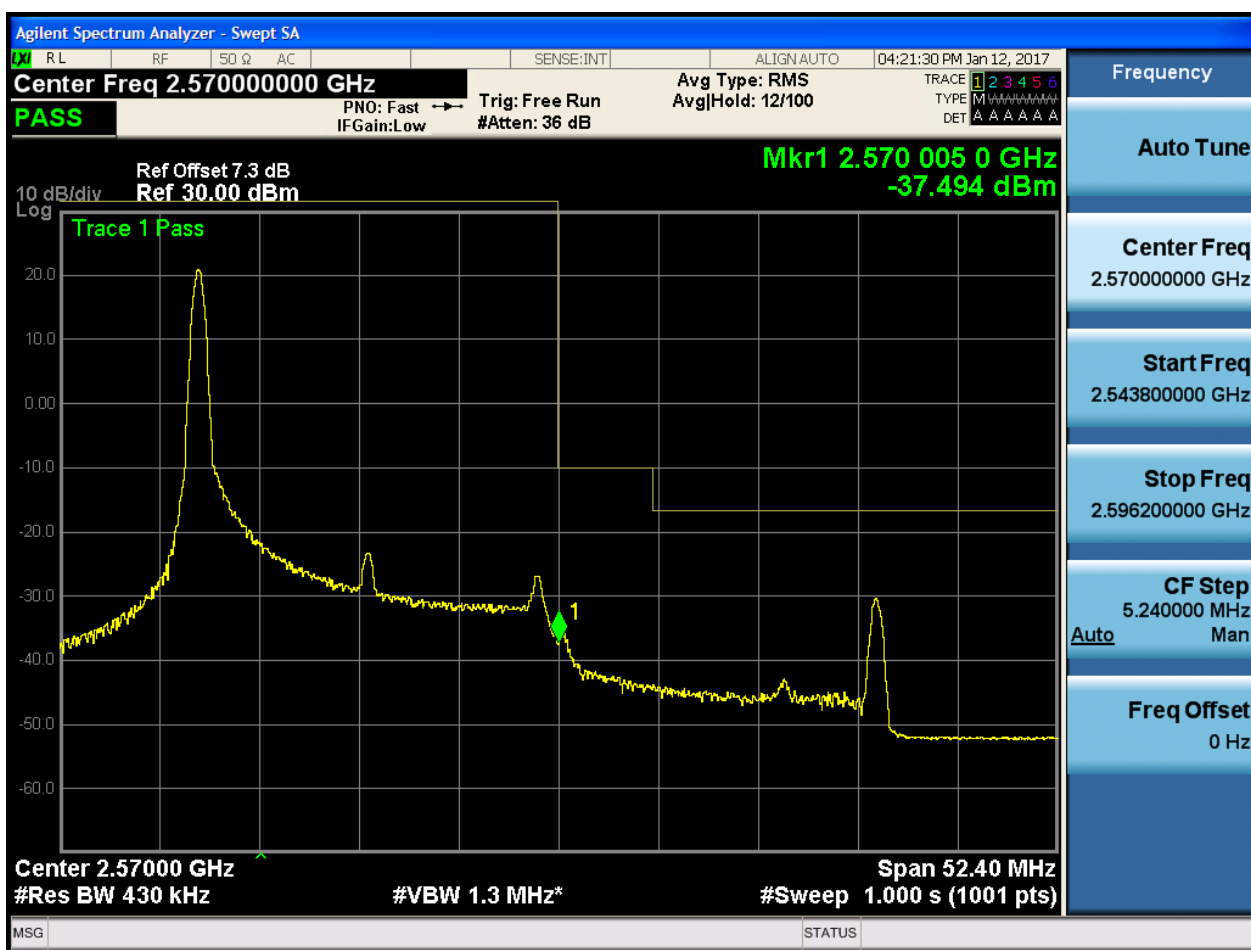
5.1.1.2.4.1.4 Test RB = RB100#0





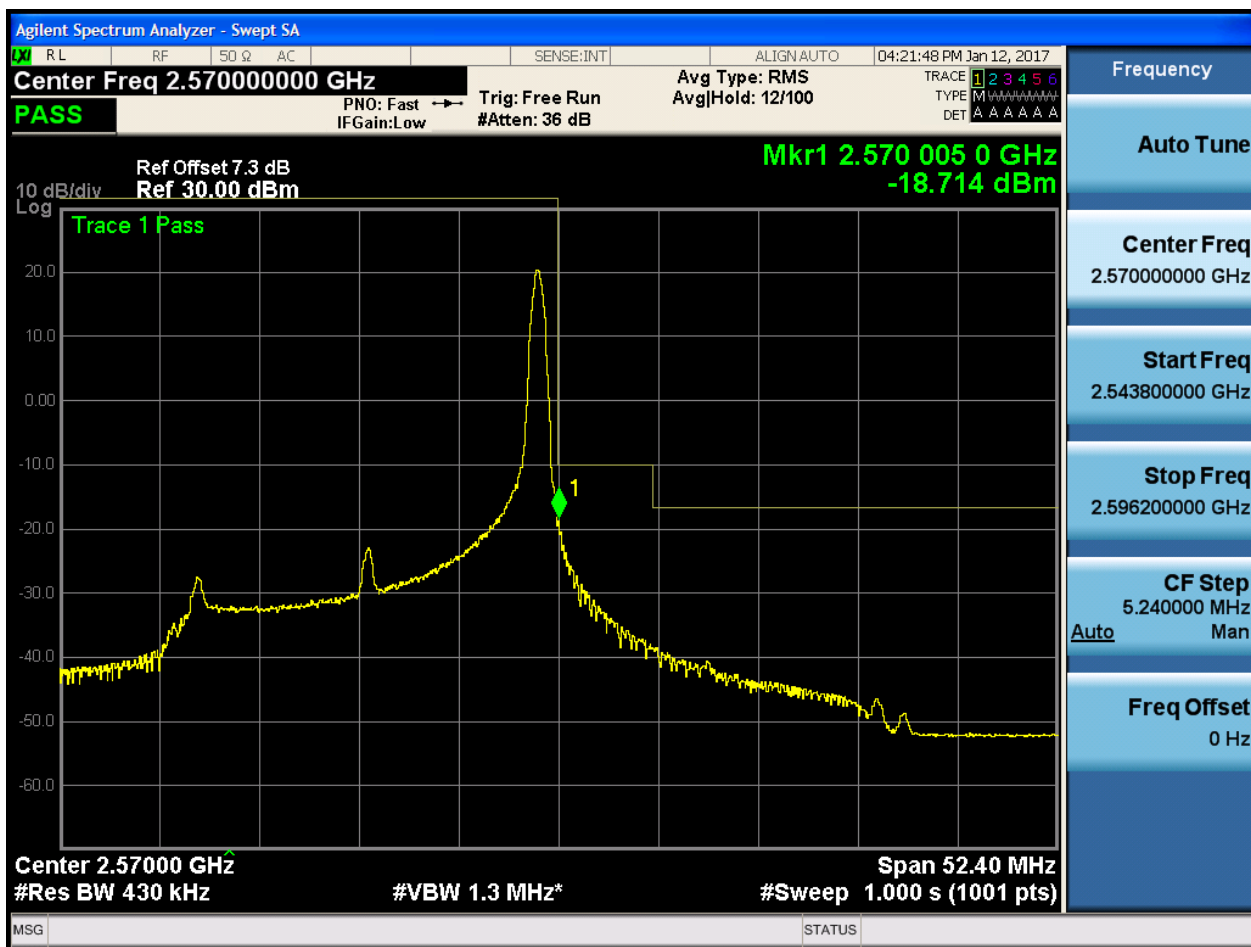
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



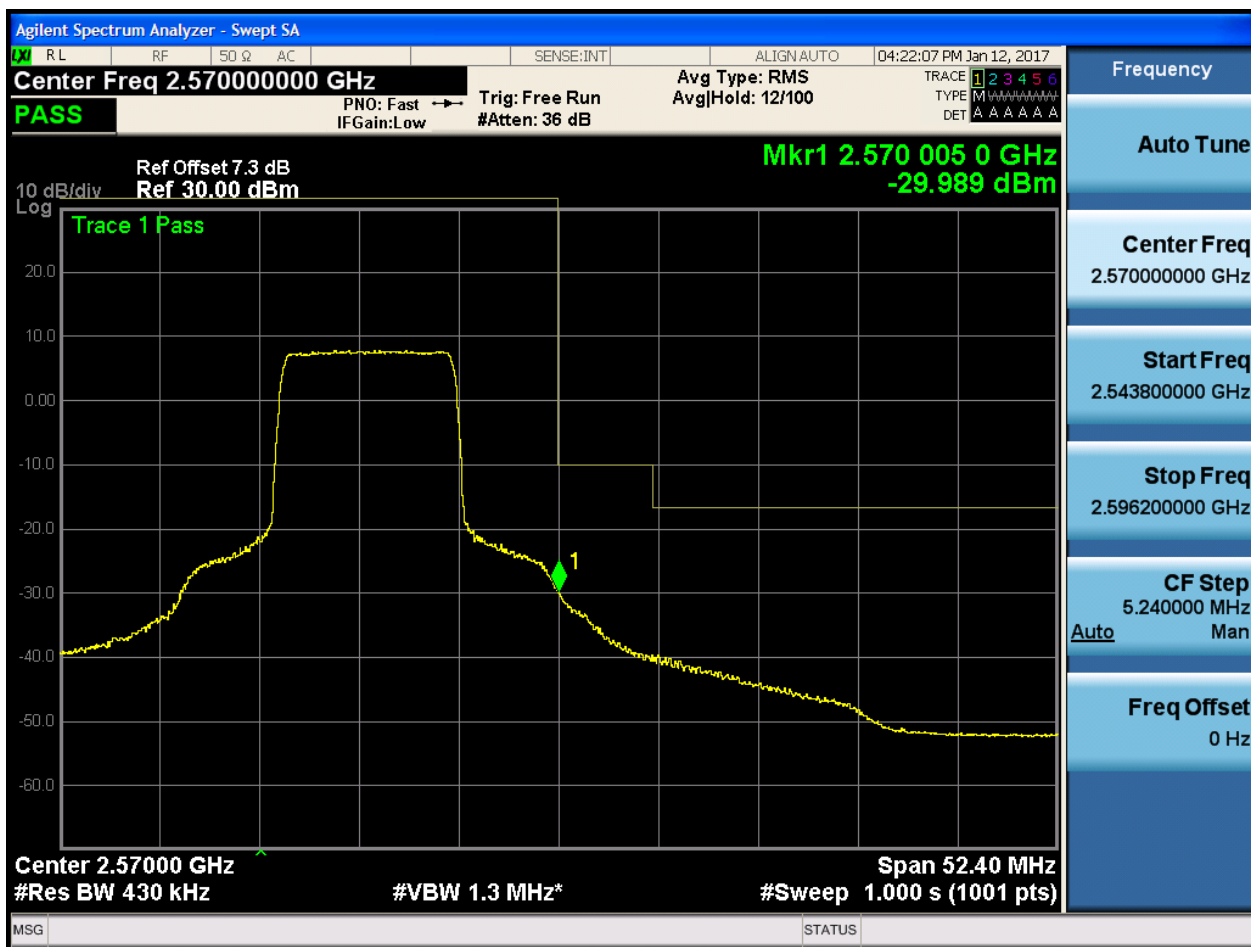


5.1.1.2.4.2.2 Test RB = RB1#99





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

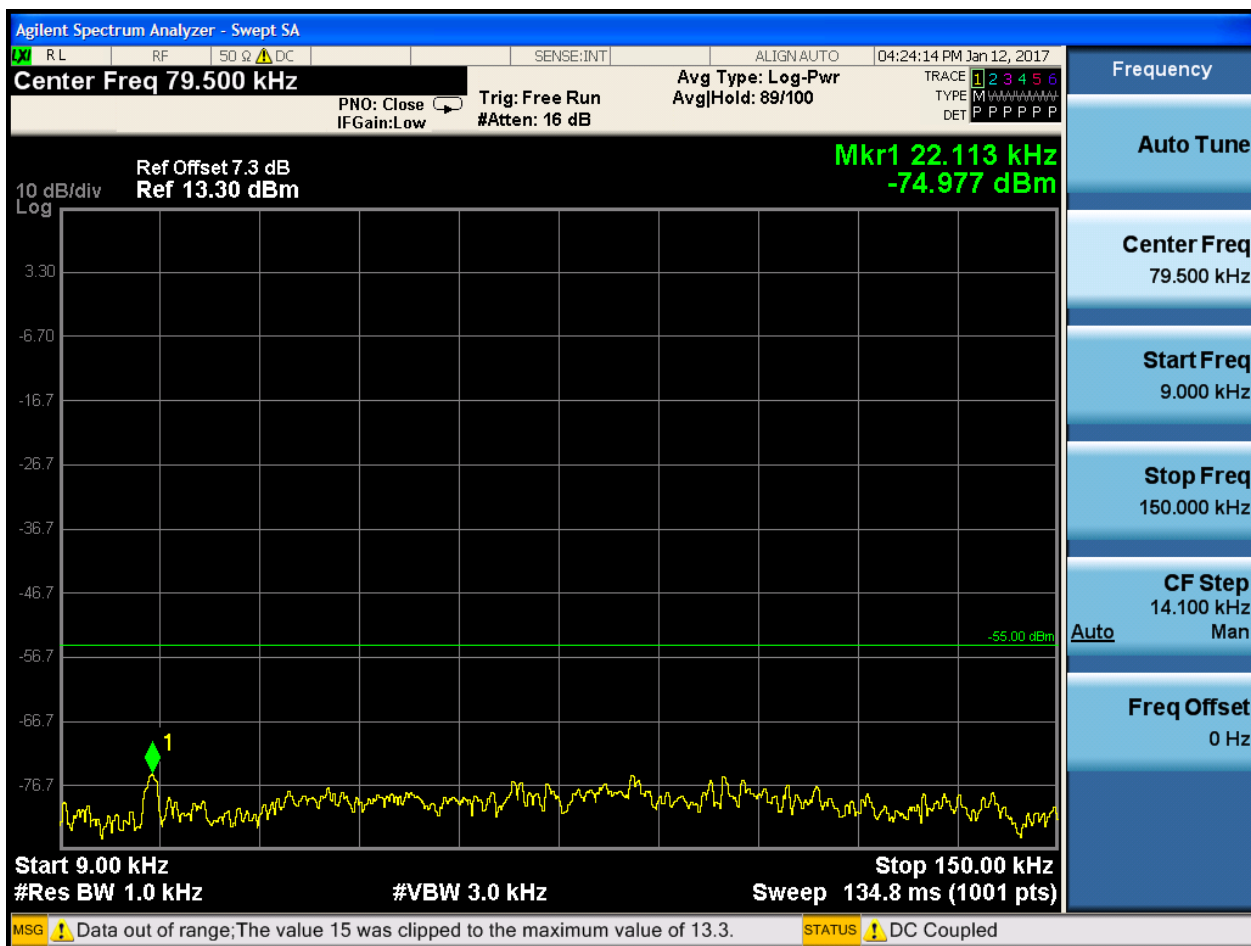
6.1.1 Test Band = BAND7

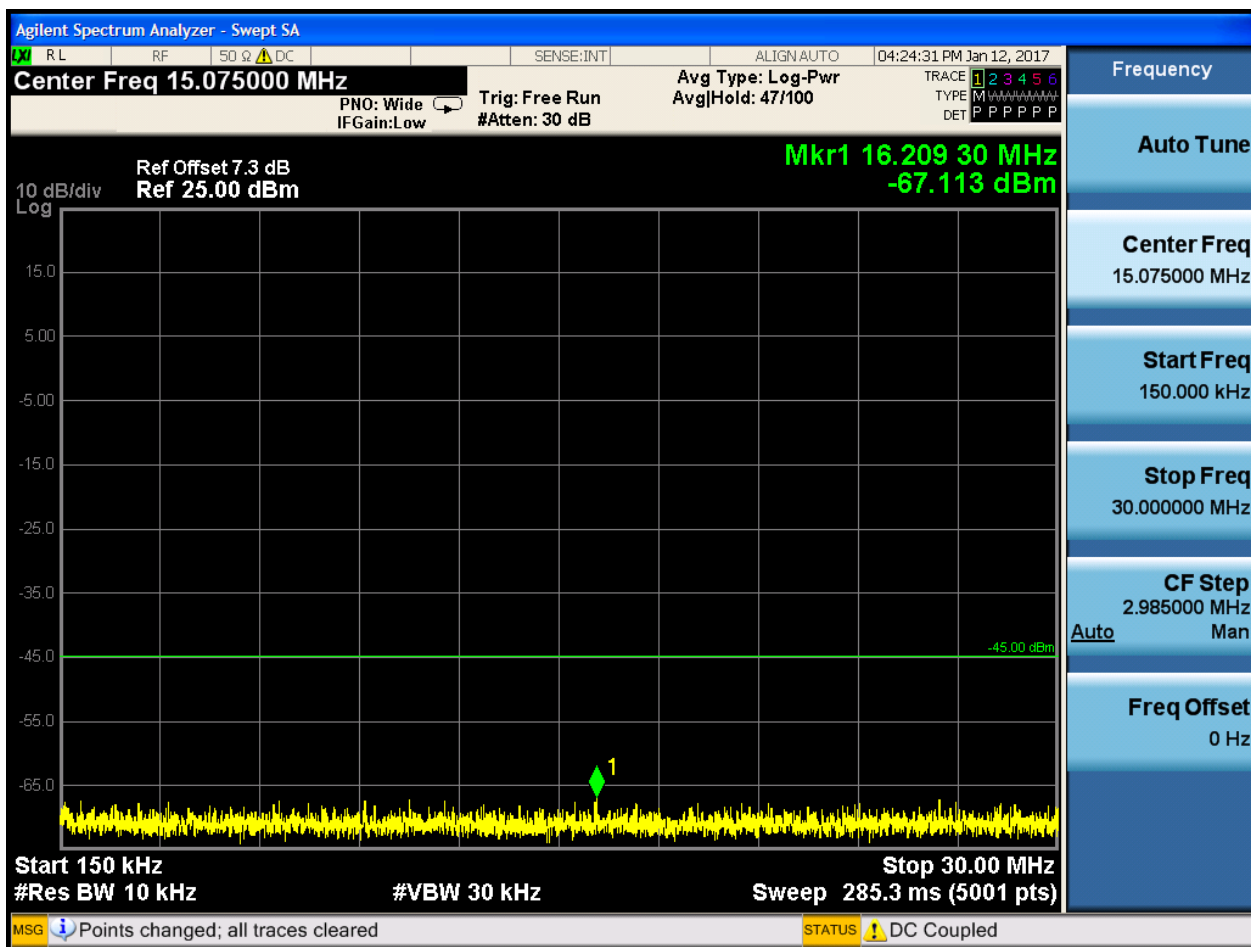
6.1.1.1 Test Mode = LTE/TM1

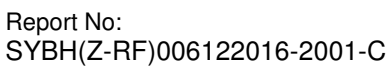
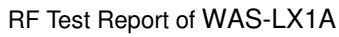
6.1.1.1.1 Test Bandwidth = 5

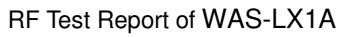
6.1.1.1.1.1 Test Channel = LCH

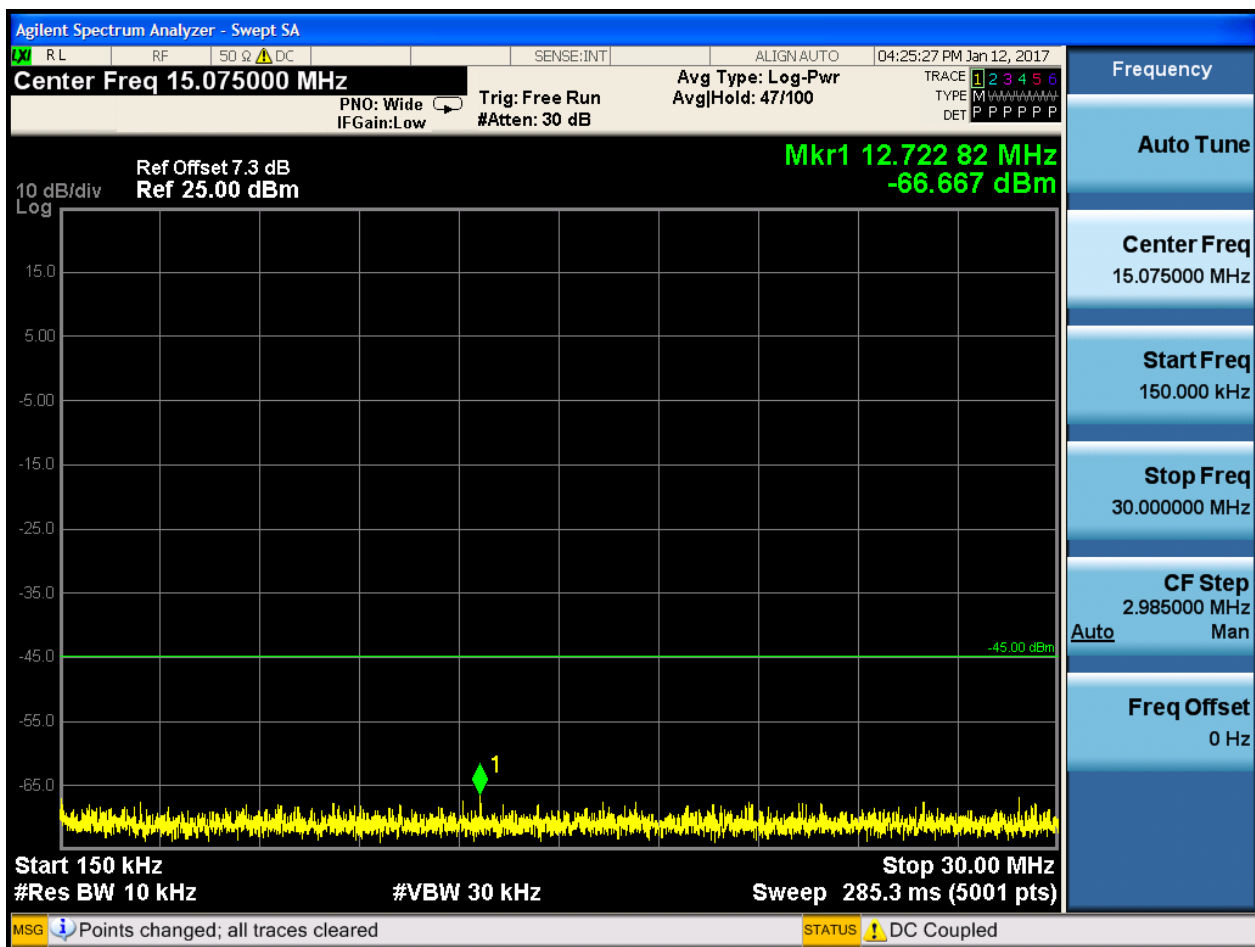
6.1.1.1.1.1.1 Test RB = RB1#0













6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0

