



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	19.5	21.3	33	PASS
				RB1#13	20.17	21.97	33	PASS
				RB1#24	19.52	21.32	33	PASS
				RB12#0	20.13	21.93	33	PASS
				RB12#6	20.17	21.97	33	PASS
				RB12#13	19.85	21.65	33	PASS
				RB25#0	20.05	21.85	33	PASS
			MCH	RB1#0	20.18	21.98	33	PASS
				RB1#13	20.79	22.59	33	PASS
				RB1#24	20.16	21.96	33	PASS
				RB12#0	20.76	22.56	33	PASS
				RB12#6	20.8	22.6	33	PASS
				RB12#13	20.51	22.31	33	PASS
				RB25#0	20.64	22.44	33	PASS
		10	HCH	RB1#0	20.69	22.49	33	PASS
				RB1#13	21.18	22.98	33	PASS
				RB1#24	20.6	22.4	33	PASS
				RB12#0	21.16	22.96	33	PASS
				RB12#6	21.14	22.94	33	PASS
				RB12#13	20.86	22.66	33	PASS
				RB25#0	21.05	22.85	33	PASS
			LCH	RB1#0	20.55	22.35	33	PASS
				RB1#25	20.96	22.76	33	PASS
				RB1#49	20.35	22.15	33	PASS
				RB25#0	20.05	21.85	33	PASS
				RB25#13	19.96	21.76	33	PASS
				RB25#25	19.86	21.66	33	PASS
				RB50#0	20.01	21.81	33	PASS
			MCH	RB1#0	21.16	22.96	33	PASS
				RB1#25	21.75	23.55	33	PASS
				RB1#49	20.87	22.67	33	PASS
				RB25#0	20.68	22.48	33	PASS
				RB25#13	20.71	22.51	33	PASS

				RB25#25	20.56	22.36	33	PASS
				RB50#0	20.63	22.43	33	PASS
			HCH	RB1#0	21.47	23.27	33	PASS
				RB1#25	22.2	24	33	PASS
				RB1#49	21.34	23.14	33	PASS
				RB25#0	21.1	22.9	33	PASS
				RB25#13	21.11	22.91	33	PASS
				RB25#25	20.98	22.78	33	PASS
				RB50#0	21.08	22.88	33	PASS
		15	LCH	RB1#0	20.18	21.98	33	PASS
				RB1#38	20.99	22.79	33	PASS
				RB1#74	20.45	22.25	33	PASS
				RB36#0	20.01	21.81	33	PASS
				RB36#18	20.02	21.82	33	PASS
				RB36#39	19.81	21.61	33	PASS
				RB75#0	19.91	21.71	33	PASS
			MCH	RB1#0	20.76	22.56	33	PASS
				RB1#38	21.67	23.47	33	PASS
				RB1#74	20.81	22.61	33	PASS
				RB36#0	20.63	22.43	33	PASS
				RB36#18	20.69	22.49	33	PASS
				RB36#39	20.4	22.2	33	PASS
				RB75#0	20.5	22.3	33	PASS
			HCH	RB1#0	20.98	22.78	33	PASS
				RB1#38	22.14	23.94	33	PASS
				RB1#74	21.44	23.24	33	PASS
				RB36#0	20.87	22.67	33	PASS
				RB36#18	21.15	22.95	33	PASS
				RB36#39	20.97	22.77	33	PASS
				RB75#0	21.16	22.96	33	PASS
		20	LCH	RB1#0	19.62	21.42	33	PASS
				RB1#50	18.76	20.56	33	PASS
				RB1#99	20.21	22.01	33	PASS
				RB50#0	20.05	21.85	33	PASS
				RB50#25	19.92	21.72	33	PASS
				RB50#50	19.9	21.7	33	PASS
				RB100#0	20	21.8	33	PASS
			MCH	RB1#0	20.11	21.91	33	PASS
				RB1#50	19.61	21.41	33	PASS
				RB1#99	20.27	22.07	33	PASS
				RB50#0	20.69	22.49	33	PASS

				RB50#25	20.72	22.52	33	PASS
				RB50#50	20.59	22.39	33	PASS
				RB100#0	20.62	22.42	33	PASS
			HCH	RB1#0	19.88	21.68	33	PASS
				RB1#50	19.8	21.6	33	PASS
				RB1#99	20.9	22.7	33	PASS
				RB50#0	20.83	22.63	33	PASS
				RB50#25	21.14	22.94	33	PASS
				RB50#50	21.09	22.89	33	PASS
				RB100#0	21.14	22.94	33	PASS
	LTE/TM2	5	LCH	RB1#0	18.97	20.77	33	PASS
				RB1#13	19.57	21.37	33	PASS
				RB1#24	18.97	20.77	33	PASS
				RB12#0	19.37	21.17	33	PASS
				RB12#6	19.29	21.09	33	PASS
				RB12#13	18.98	20.78	33	PASS
				RB25#0	19.08	20.88	33	PASS
			MCH	RB1#0	19.67	21.47	33	PASS
				RB1#13	20.31	22.11	33	PASS
				RB1#24	19.68	21.48	33	PASS
				RB12#0	19.9	21.7	33	PASS
				RB12#6	19.96	21.76	33	PASS
				RB12#13	19.66	21.46	33	PASS
				RB25#0	19.69	21.49	33	PASS
			HCH	RB1#0	20.14	21.94	33	PASS
				RB1#13	20.75	22.55	33	PASS
				RB1#24	20.18	21.98	33	PASS
				RB12#0	20.26	22.06	33	PASS
				RB12#6	20.27	22.07	33	PASS
				RB12#13	19.98	21.78	33	PASS
				RB25#0	20.15	21.95	33	PASS
		10	LCH	RB1#0	19.9	21.7	33	PASS
				RB1#25	20.44	22.24	33	PASS
				RB1#49	19.69	21.49	33	PASS
				RB25#0	19.22	21.02	33	PASS
				RB25#13	19.06	20.86	33	PASS
				RB25#25	19.03	20.83	33	PASS
				RB50#0	19.1	20.9	33	PASS
			MCH	RB1#0	20.51	22.31	33	PASS
				RB1#25	21	22.8	33	PASS
				RB1#49	20.14	21.94	33	PASS

				RB25#0	19.74	21.54	33	PASS
				RB25#13	19.79	21.59	33	PASS
				RB25#25	19.56	21.36	33	PASS
				RB50#0	19.7	21.5	33	PASS
			HCH	RB1#0	20.83	22.63	33	PASS
				RB1#25	21.53	23.33	33	PASS
				RB1#49	20.72	22.52	33	PASS
				RB25#0	20.17	21.97	33	PASS
				RB25#13	20.17	21.97	33	PASS
				RB25#25	20.08	21.88	33	PASS
				RB50#0	20.14	21.94	33	PASS
		15	LCH	RB1#0	19.59	21.39	33	PASS
				RB1#38	20.31	22.11	33	PASS
				RB1#74	19.73	21.53	33	PASS
				RB36#0	19.12	20.92	33	PASS
				RB36#18	19.13	20.93	33	PASS
				RB36#39	18.85	20.65	33	PASS
				RB75#0	18.98	20.78	33	PASS
			MCH	RB1#0	20.31	22.11	33	PASS
				RB1#38	21.13	22.93	33	PASS
				RB1#74	20.32	22.12	33	PASS
				RB36#0	19.73	21.53	33	PASS
				RB36#18	19.79	21.59	33	PASS
				RB36#39	19.43	21.23	33	PASS
				RB75#0	19.62	21.42	33	PASS
			HCH	RB1#0	20.37	22.17	33	PASS
				RB1#38	21.45	23.25	33	PASS
				RB1#74	20.93	22.73	33	PASS
				RB36#0	19.87	21.67	33	PASS
				RB36#18	20.17	21.97	33	PASS
				RB36#39	20.02	21.82	33	PASS
				RB75#0	20.18	21.98	33	PASS
		20	LCH	RB1#0	19.2	21	33	PASS
				RB1#50	18.43	20.23	33	PASS
				RB1#99	19.77	21.57	33	PASS
				RB50#0	19.09	20.89	33	PASS
				RB50#25	19.03	20.83	33	PASS
				RB50#50	19.02	20.82	33	PASS
				RB100#0	19.15	20.95	33	PASS
			MCH	RB1#0	19.53	21.33	33	PASS
				RB1#50	18.91	20.71	33	PASS

				RB1#99	19.56	21.36	33	PASS
				RB50#0	19.79	21.59	33	PASS
				RB50#25	19.84	21.64	33	PASS
				RB50#50	19.64	21.44	33	PASS
				RB100#0	19.71	21.51	33	PASS
			HCH	RB1#0	19.24	21.04	33	PASS
				RB1#50	19.27	21.07	33	PASS
				RB1#99	20.22	22.02	33	PASS
				RB50#0	19.88	21.68	33	PASS
				RB50#25	20.19	21.99	33	PASS
				RB50#50	20.11	21.91	33	PASS
				RB100#0	20.12	21.92	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:

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

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

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

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

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	5.9	13	PASS
				RB1#13	5.5	13	PASS
				RB1#24	5.89	13	PASS
				RB12#0	6.06	13	PASS
				RB12#6	6.09	13	PASS
				RB12#13	6.19	13	PASS
				RB25#0	6.26	13	PASS
			MCH	RB1#0	5.58	13	PASS
				RB1#13	5.33	13	PASS
				RB1#24	5.58	13	PASS
				RB12#0	5.88	13	PASS
				RB12#6	5.93	13	PASS
				RB12#13	5.96	13	PASS
				RB25#0	6.08	13	PASS
			HCH	RB1#0	5.1	13	PASS
				RB1#13	4.52	13	PASS
				RB1#24	5.09	13	PASS
				RB12#0	5.46	13	PASS
				RB12#6	5.36	13	PASS
				RB12#13	5.48	13	PASS
				RB25#0	5.62	13	PASS
		10	LCH	RB1#0	5.25	13	PASS
				RB1#25	4.82	13	PASS
				RB1#49	5.31	13	PASS
				RB25#0	6.13	13	PASS
				RB25#13	6.31	13	PASS
				RB25#25	6.3	13	PASS
				RB50#0	6.39	13	PASS
			MCH	RB1#0	5.64	13	PASS
				RB1#25	4.96	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	5.34	13	PASS
				RB25#0	6.05	13	PASS
				RB25#13	6.03	13	PASS
				RB25#25	6.11	13	PASS
				RB50#0	6.32	13	PASS
			HCH	RB1#0	4.72	13	PASS
				RB1#25	3.91	13	PASS
				RB1#49	4.59	13	PASS
				RB25#0	5.31	13	PASS
				RB25#13	5.32	13	PASS
				RB25#25	5.42	13	PASS
				RB50#0	5.83	13	PASS
		15	LCH	RB1#0	5.51	13	PASS
				RB1#38	5.12	13	PASS
				RB1#74	5.35	13	PASS
				RB36#0	6.25	13	PASS
				RB36#18	6.36	13	PASS
				RB36#39	6.39	13	PASS
				RB75#0	6.52	13	PASS
			MCH	RB1#0	5.9	13	PASS
				RB1#38	5.03	13	PASS
				RB1#74	5.49	13	PASS
				RB36#0	6.14	13	PASS
				RB36#18	6.2	13	PASS
				RB36#39	6.26	13	PASS
				RB75#0	6.4	13	PASS
			HCH	RB1#0	5	13	PASS
				RB1#38	3.93	13	PASS
				RB1#74	4.43	13	PASS
				RB36#0	5.61	13	PASS
				RB36#18	5.36	13	PASS
				RB36#39	5.49	13	PASS
				RB75#0	6.04	13	PASS
		20	LCH	RB1#0	5.59	13	PASS
				RB1#50	5.56	13	PASS
				RB1#99	5.65	13	PASS
				RB50#0	6.23	13	PASS
				RB50#25	6.46	13	PASS
				RB50#50	6.42	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB100#0	6.46	13	PASS
			MCH	RB1#0	5.57	13	PASS
				RB1#50	5.18	13	PASS
				RB1#99	5.36	13	PASS
				RB50#0	6.04	13	PASS
				RB50#25	6.09	13	PASS
				RB50#50	6.17	13	PASS
				RB100#0	6.47	13	PASS
			HCH	RB1#0	5.65	13	PASS
				RB1#50	4.69	13	PASS
				RB1#99	4.83	13	PASS
				RB50#0	5.7	13	PASS
				RB50#25	5.35	13	PASS
				RB50#50	5.42	13	PASS
				RB100#0	5.98	13	PASS
	LTE/TM2	5	LCH	RB1#0	6.75	13	PASS
				RB1#13	6.34	13	PASS
				RB1#24	6.89	13	PASS
				RB12#0	6.64	13	PASS
				RB12#6	6.82	13	PASS
				RB12#13	6.72	13	PASS
				RB25#0	6.83	13	PASS
			MCH	RB1#0	6.11	13	PASS
				RB1#13	5.9	13	PASS
				RB1#24	6	13	PASS
				RB12#0	6.89	13	PASS
				RB12#6	6.82	13	PASS
				RB12#13	6.69	13	PASS
				RB25#0	6.81	13	PASS
			HCH	RB1#0	5.52	13	PASS
				RB1#13	5.21	13	PASS
				RB1#24	5.55	13	PASS
				RB12#0	6.09	13	PASS
				RB12#6	6	13	PASS
				RB12#13	6.18	13	PASS
				RB25#0	6.54	13	PASS
		10	LCH	RB1#0	6.17	13	PASS
				RB1#25	5.81	13	PASS
				RB1#49	6.66	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.83	13	PASS
				RB25#13	7.02	13	PASS
				RB25#25	6.94	13	PASS
				RB50#0	7.04	13	PASS
			MCH	RB1#0	5.83	13	PASS
				RB1#25	5.45	13	PASS
				RB1#49	5.96	13	PASS
				RB25#0	6.95	13	PASS
				RB25#13	6.99	13	PASS
				RB25#25	6.92	13	PASS
				RB50#0	7.11	13	PASS
			HCH	RB1#0	5.06	13	PASS
				RB1#25	4.53	13	PASS
				RB1#49	5.04	13	PASS
				RB25#0	6.17	13	PASS
				RB25#13	6.06	13	PASS
				RB25#25	6.15	13	PASS
				RB50#0	6.68	13	PASS
		15	LCH	RB1#0	6.15	13	PASS
				RB1#38	5.62	13	PASS
				RB1#74	6.05	13	PASS
				RB36#0	6.91	13	PASS
				RB36#18	7.13	13	PASS
				RB36#39	7.08	13	PASS
				RB75#0	7.37	13	PASS
			MCH	RB1#0	6.1	13	PASS
				RB1#38	5.71	13	PASS
				RB1#74	5.85	13	PASS
				RB36#0	7.07	13	PASS
				RB36#18	7.1	13	PASS
				RB36#39	6.86	13	PASS
				RB75#0	7.47	13	PASS
			HCH	RB1#0	5.51	13	PASS
				RB1#38	4.4	13	PASS
				RB1#74	5.12	13	PASS
				RB36#0	6.32	13	PASS
				RB36#18	6.23	13	PASS
				RB36#39	6.42	13	PASS
				RB75#0	6.91	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		20	LCH	RB1#0	6.17	13	PASS
				RB1#50	6.4	13	PASS
				RB1#99	6.21	13	PASS
				RB50#0	6.94	13	PASS
				RB50#25	7.17	13	PASS
				RB50#50	7.01	13	PASS
				RB100#0	7.35	13	PASS
			MCH	RB1#0	6.3	13	PASS
				RB1#50	6.01	13	PASS
				RB1#99	5.92	13	PASS
				RB50#0	7.1	13	PASS
				RB50#25	7.13	13	PASS
				RB50#50	6.87	13	PASS
				RB100#0	7.41	13	PASS
			HCH	RB1#0	6.11	13	PASS
				RB1#50	5.28	13	PASS
				RB1#99	5.14	13	PASS
				RB50#0	6.36	13	PASS
				RB50#25	6.22	13	PASS
				RB50#50	6.31	13	PASS
				RB100#0	6.85	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

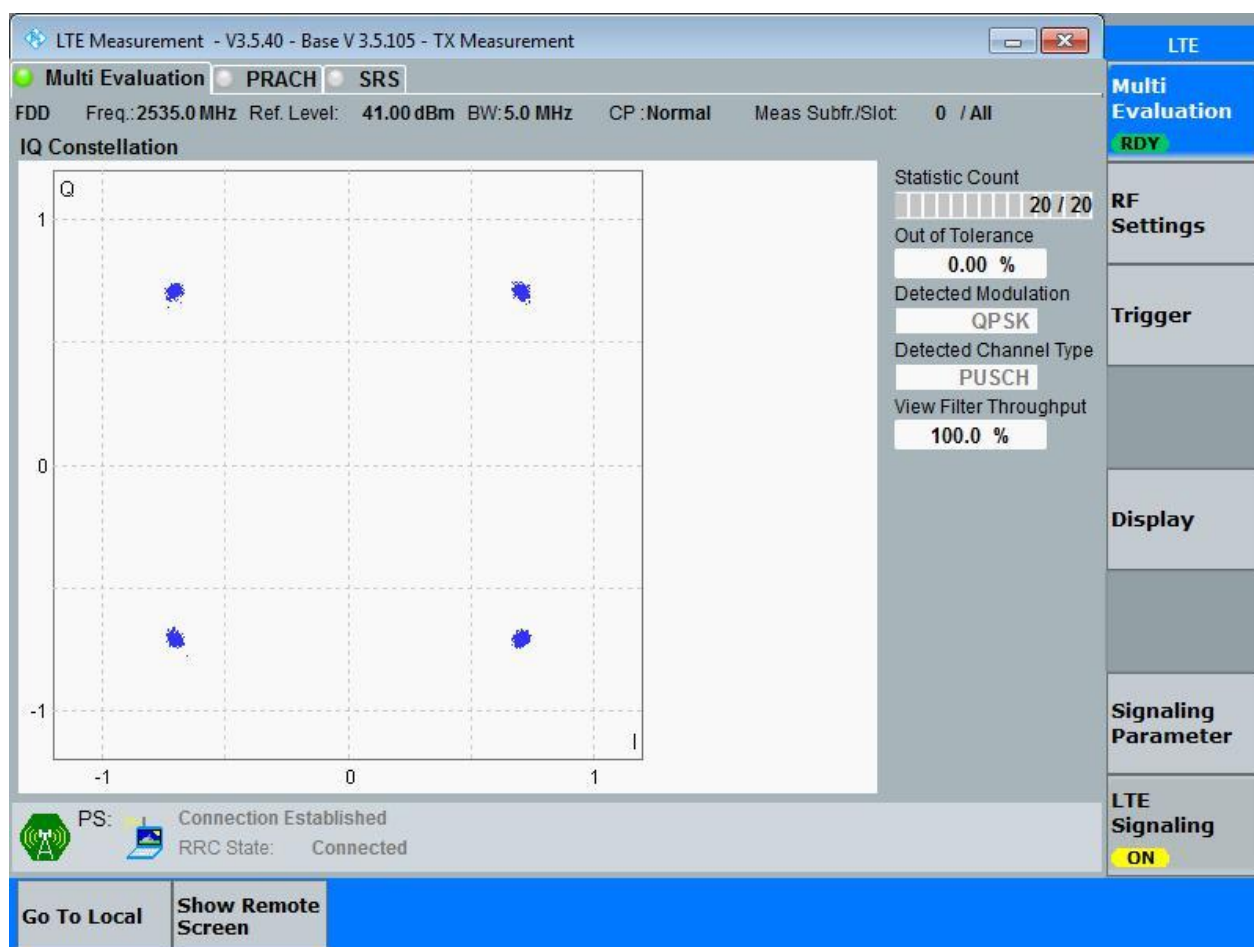
3.1.1 Test Band = BAND7

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

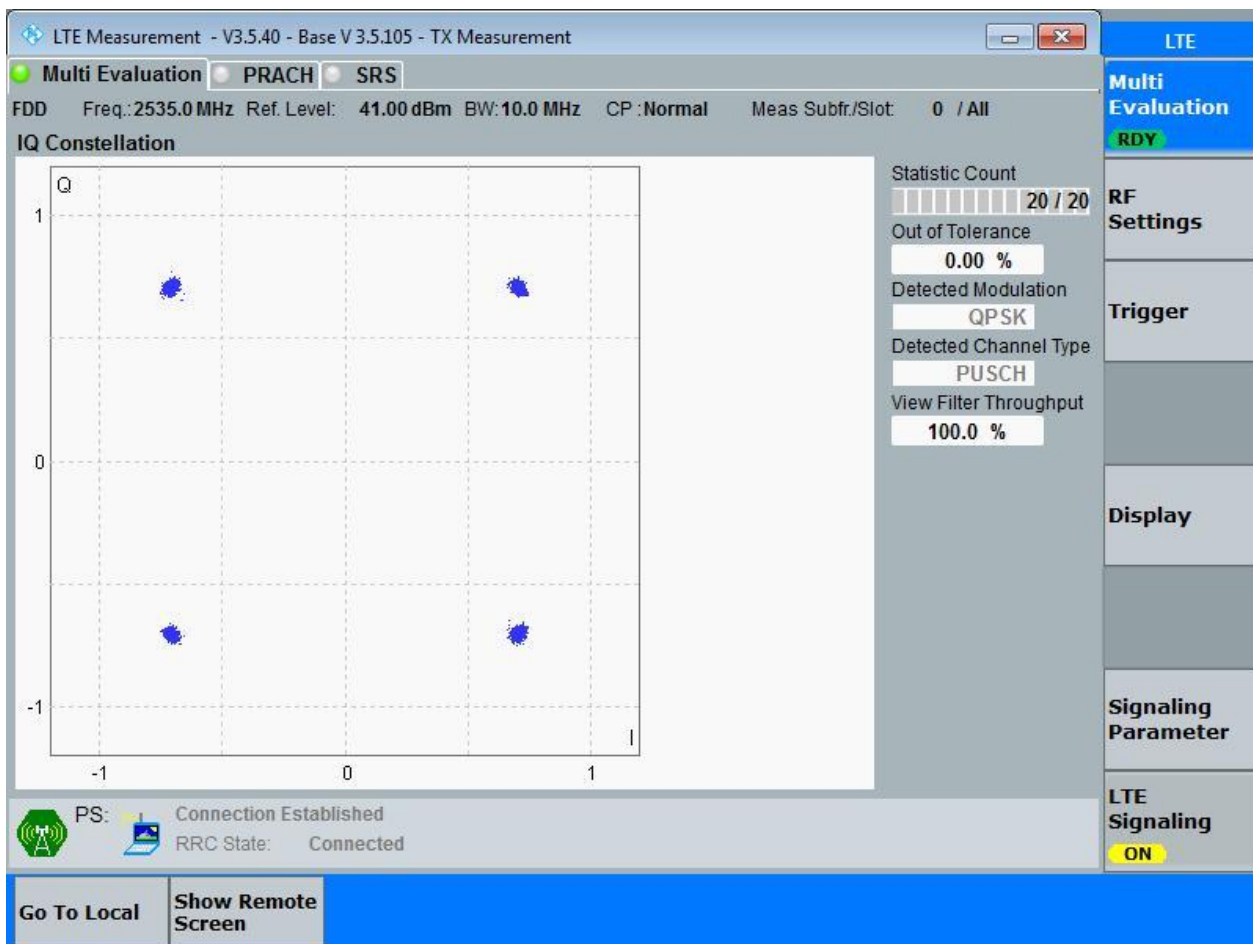
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

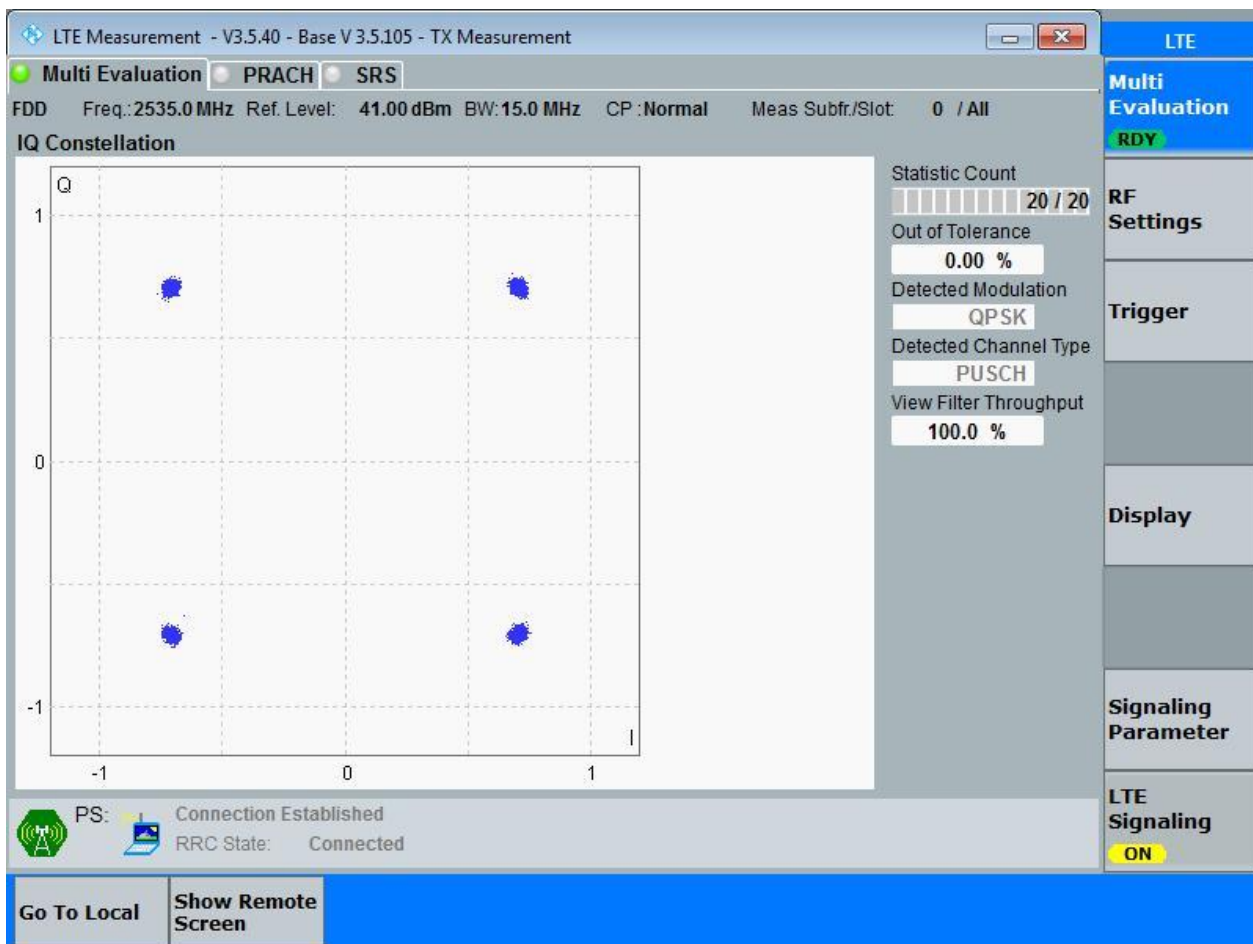
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

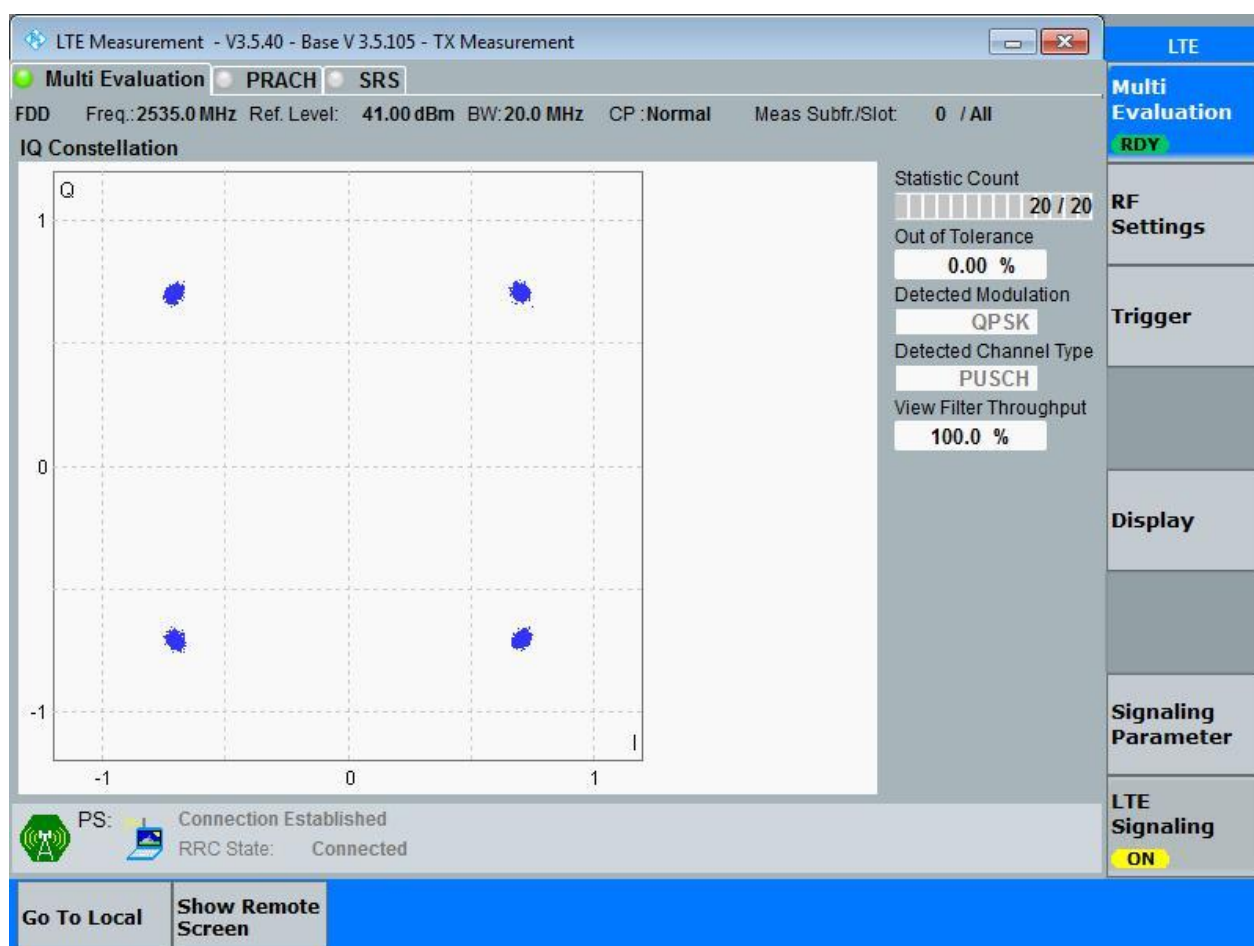
3.1.1.1.3.1.1 Test RB = RB75#0



3.1.1.1.4 Test Bandwidth = 20

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB100#0

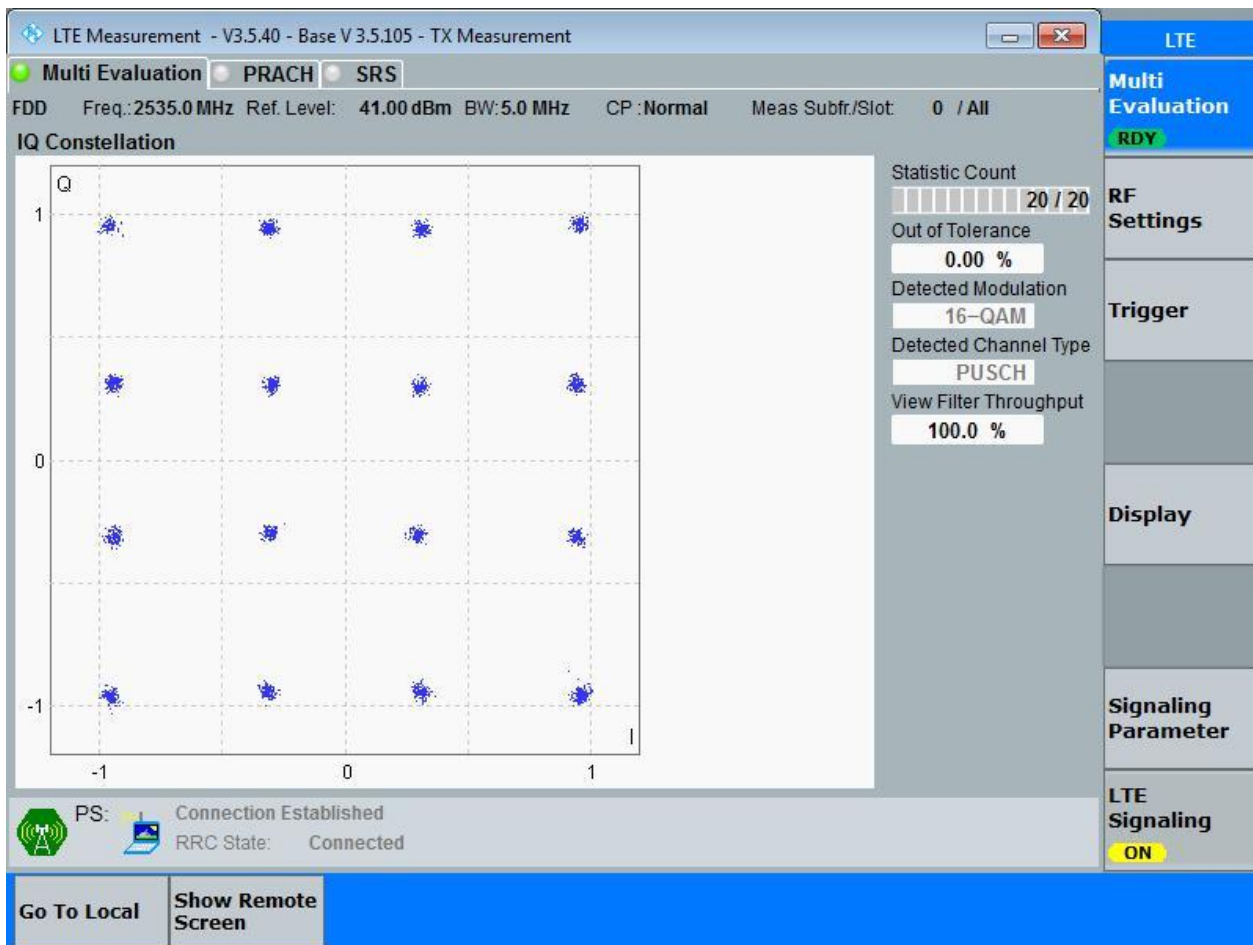


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

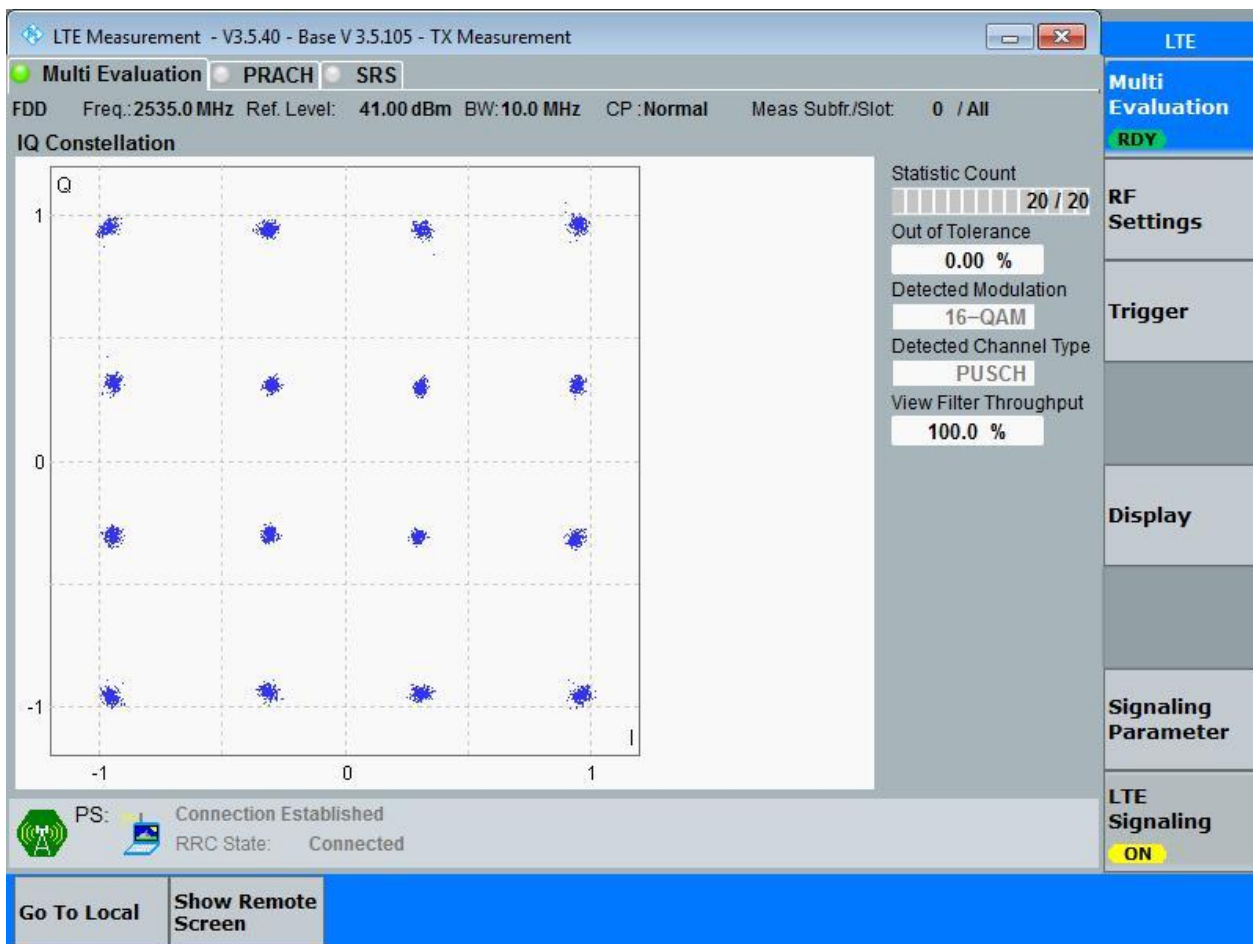
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

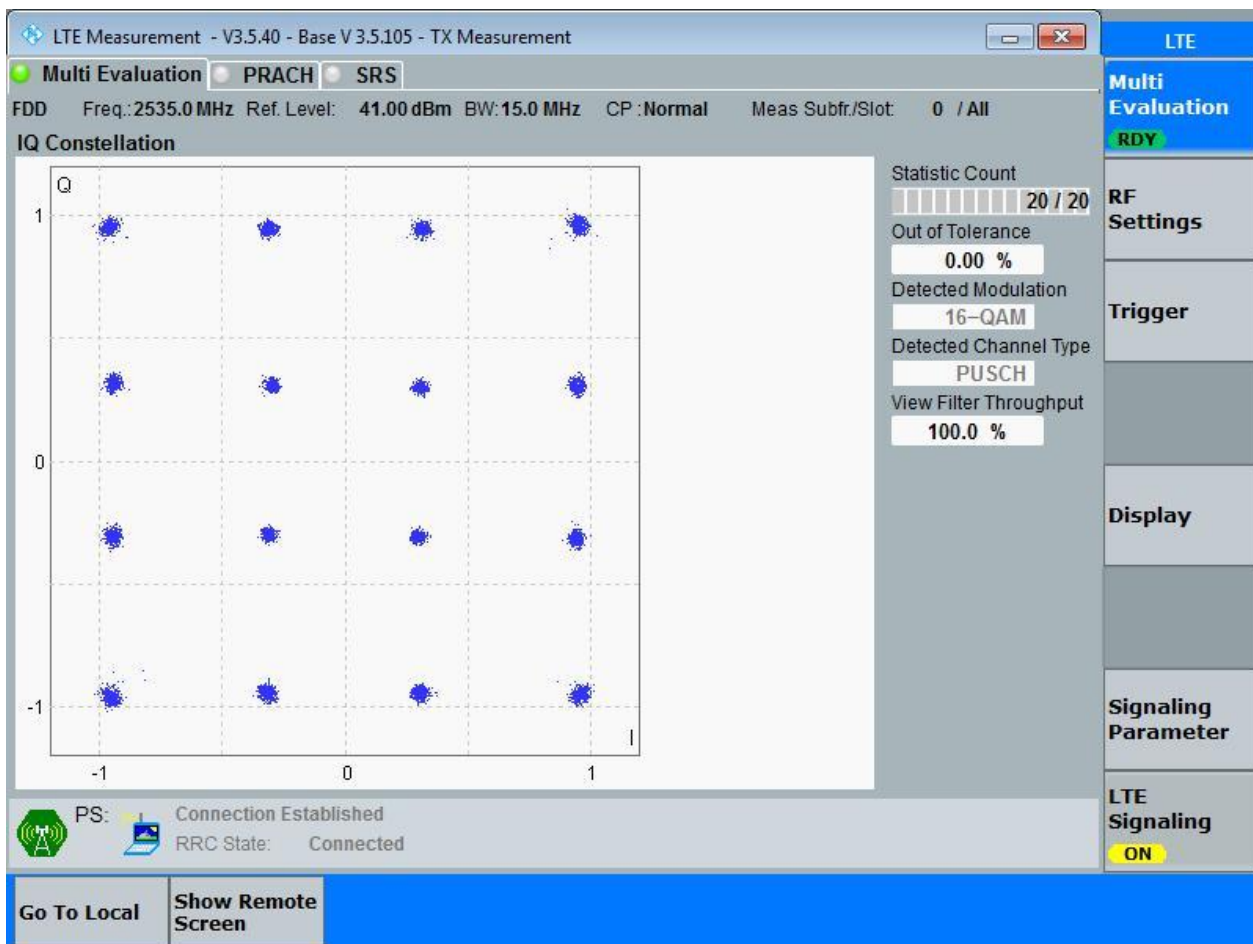
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

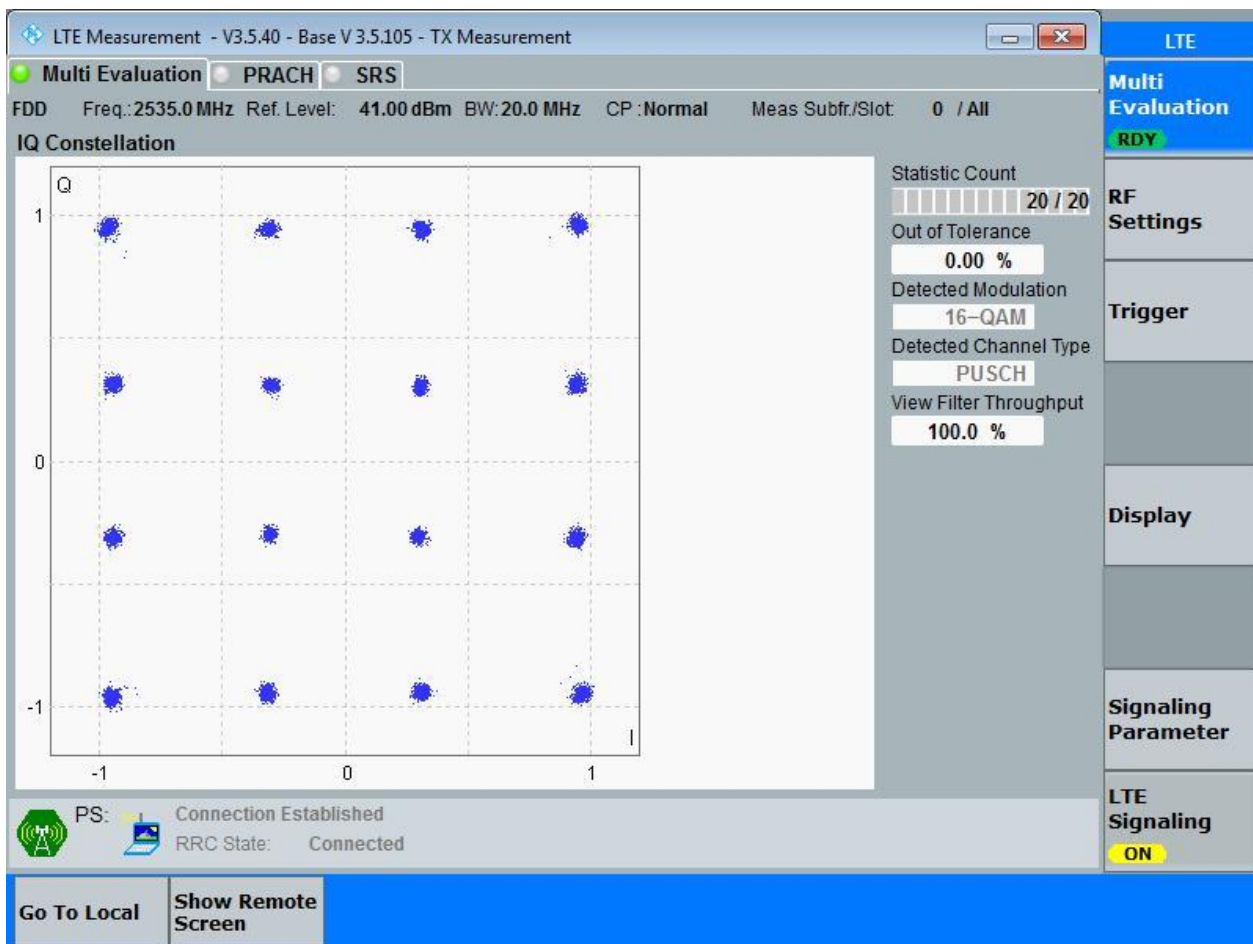
3.1.1.2.3.1.1 Test RB = RB75#0



3.1.1.2.4 Test Bandwidth = 20

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB100#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND7	LTE/TM1	5	LCH	RB25#0	4.51	4.87	Pass
			MCH	RB25#0	4.49	4.84	Pass
			HCH	RB25#0	4.50	4.89	Pass
		10	LCH	RB50#0	8.99	9.63	Pass
			MCH	RB50#0	9.00	9.63	Pass
			HCH	RB50#0	8.98	9.64	Pass
		15	LCH	RB75#0	13.46	14.36	Pass
			MCH	RB75#0	13.47	14.39	Pass
			HCH	RB75#0	13.47	14.36	Pass
		20	LCH	RB100#0	17.96	19.06	Pass
			MCH	RB100#0	17.97	19.08	Pass
			HCH	RB100#0	17.95	19.02	Pass
	LTE/TM2	5	LCH	RB25#0	4.49	4.88	Pass
			MCH	RB25#0	4.50	4.85	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.99	9.63	Pass
			MCH	RB50#0	9.00	9.64	Pass
			HCH	RB50#0	8.99	9.65	Pass
		15	LCH	RB75#0	13.47	14.42	Pass
			MCH	RB75#0	13.49	14.42	Pass
			HCH	RB75#0	13.46	14.31	Pass
		20	LCH	RB100#0	17.95	19.08	Pass
			MCH	RB100#0	17.95	19.11	Pass
			HCH	RB100#0	17.96	19.11	Pass



Part II - Test Plots

4.1 For LTE

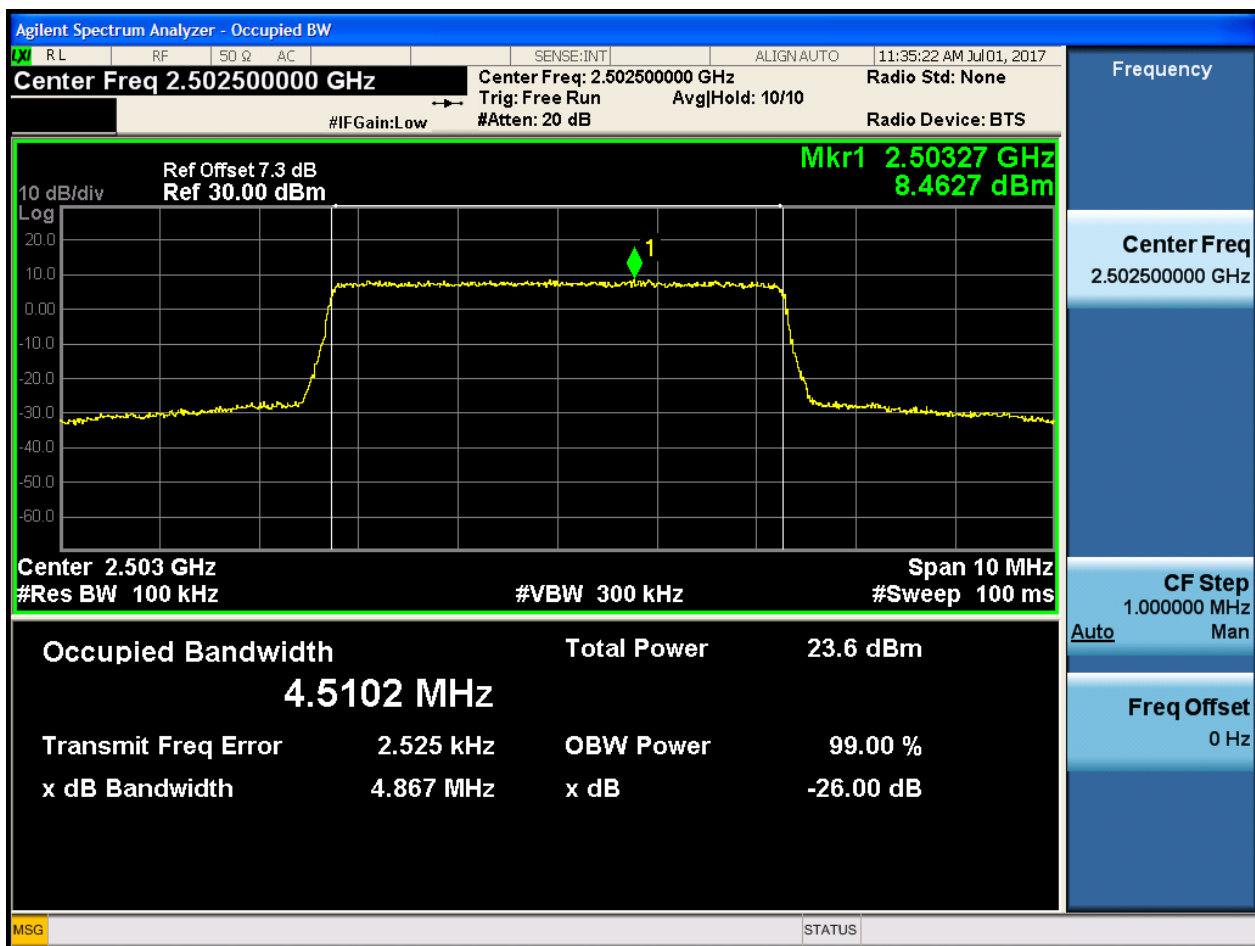
4.1.1 Test Band = BAND7

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

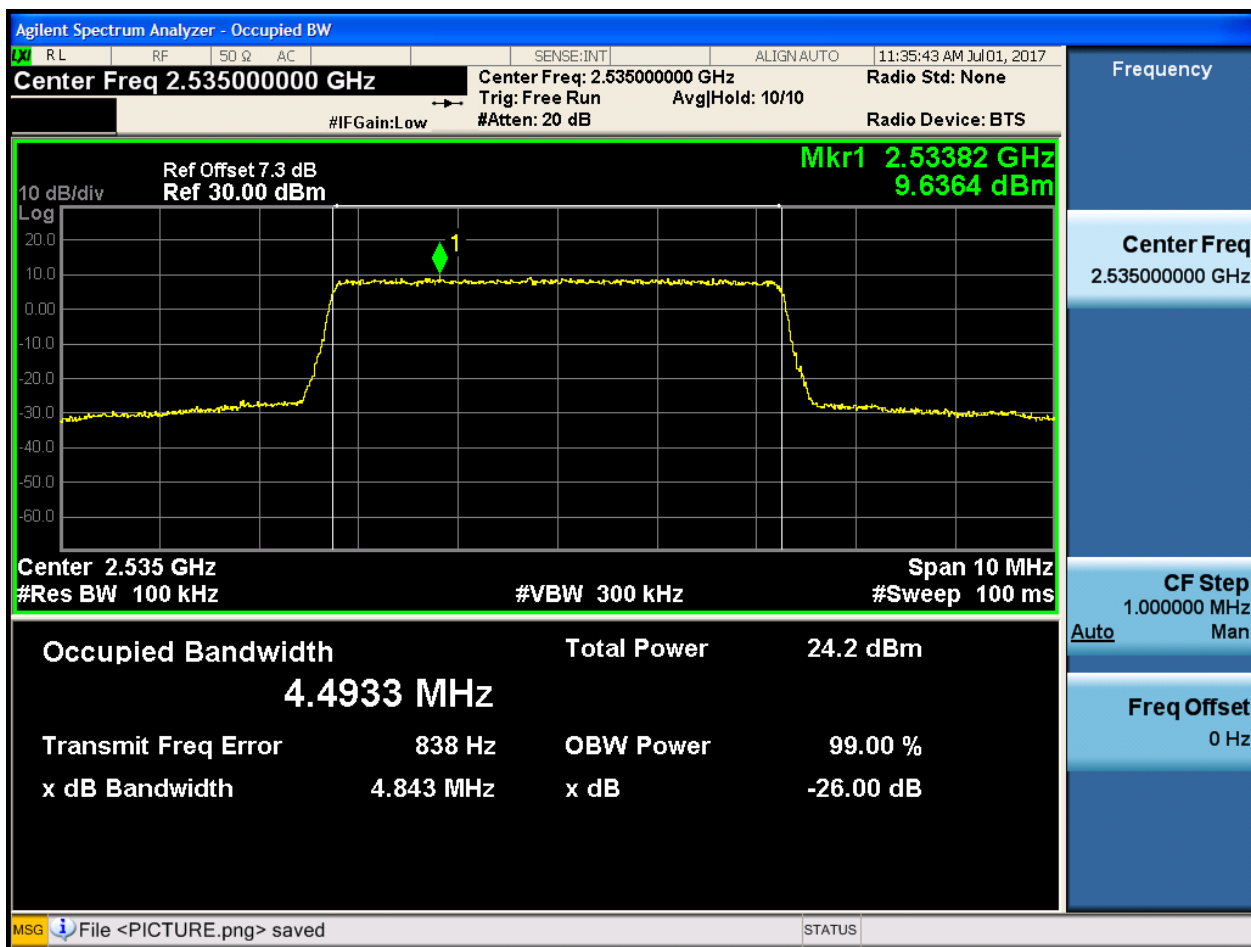
4.1.1.1.1.1.1 Test RB = RB25#0





4.1.1.1.1.2 Test Channel = MCH

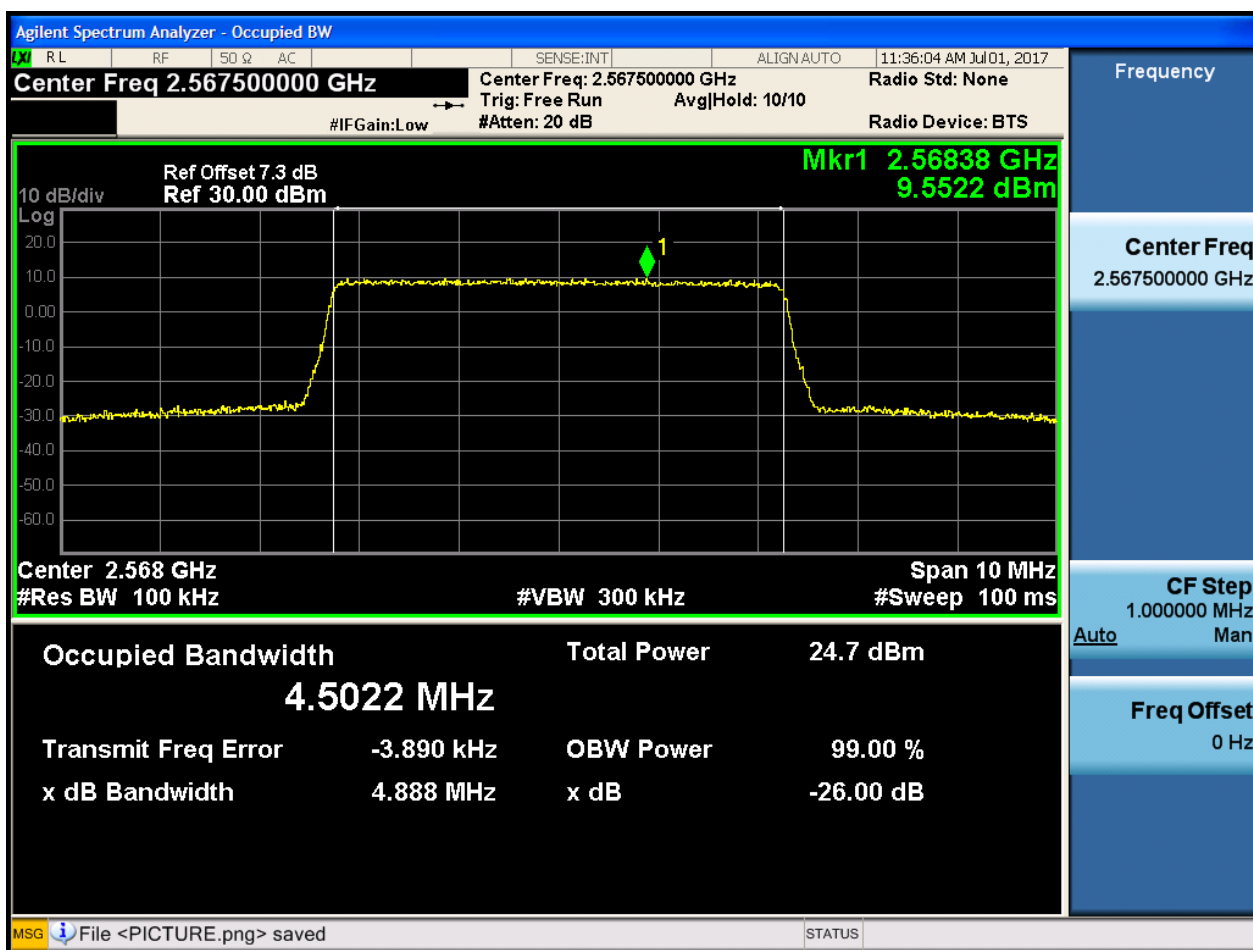
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

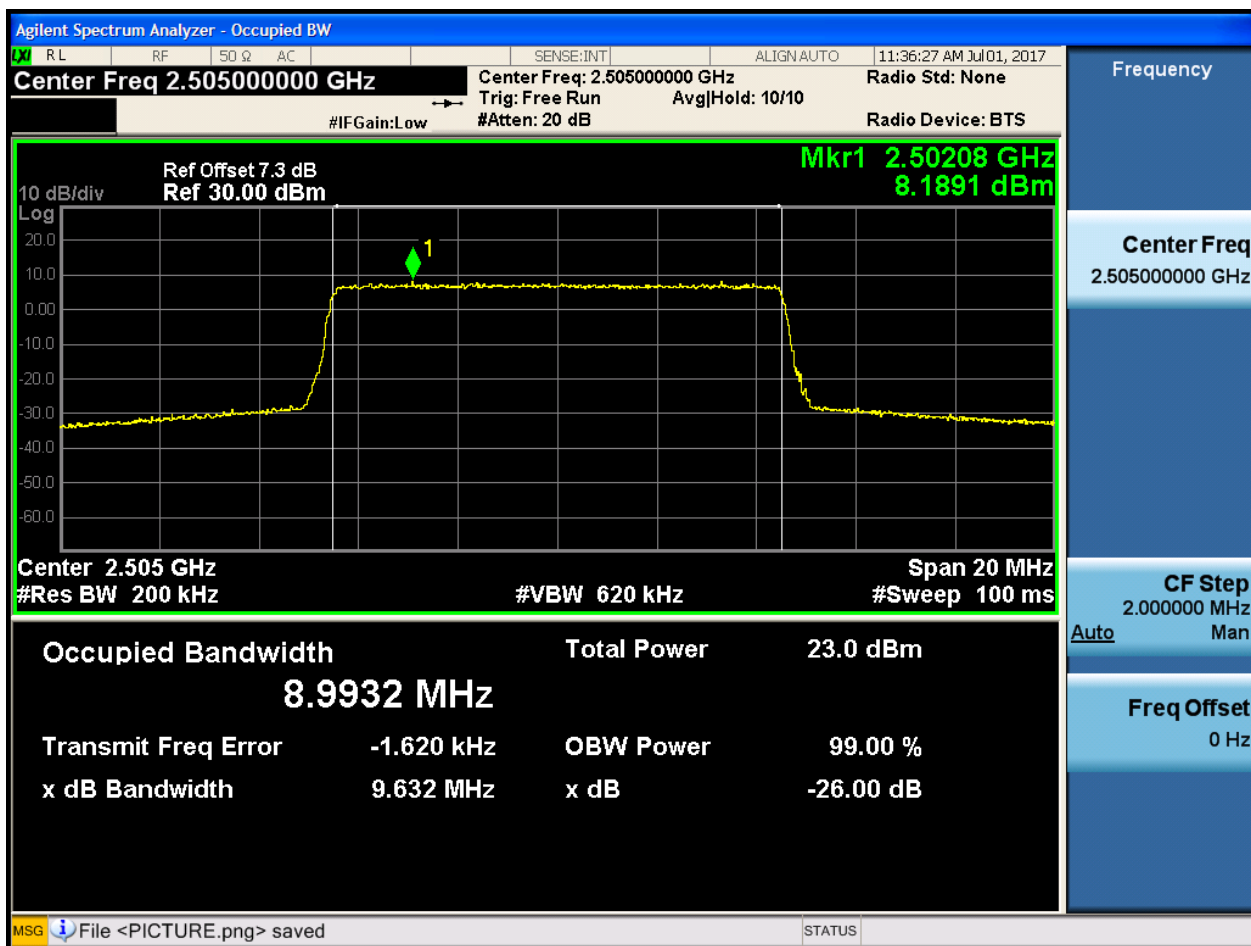




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

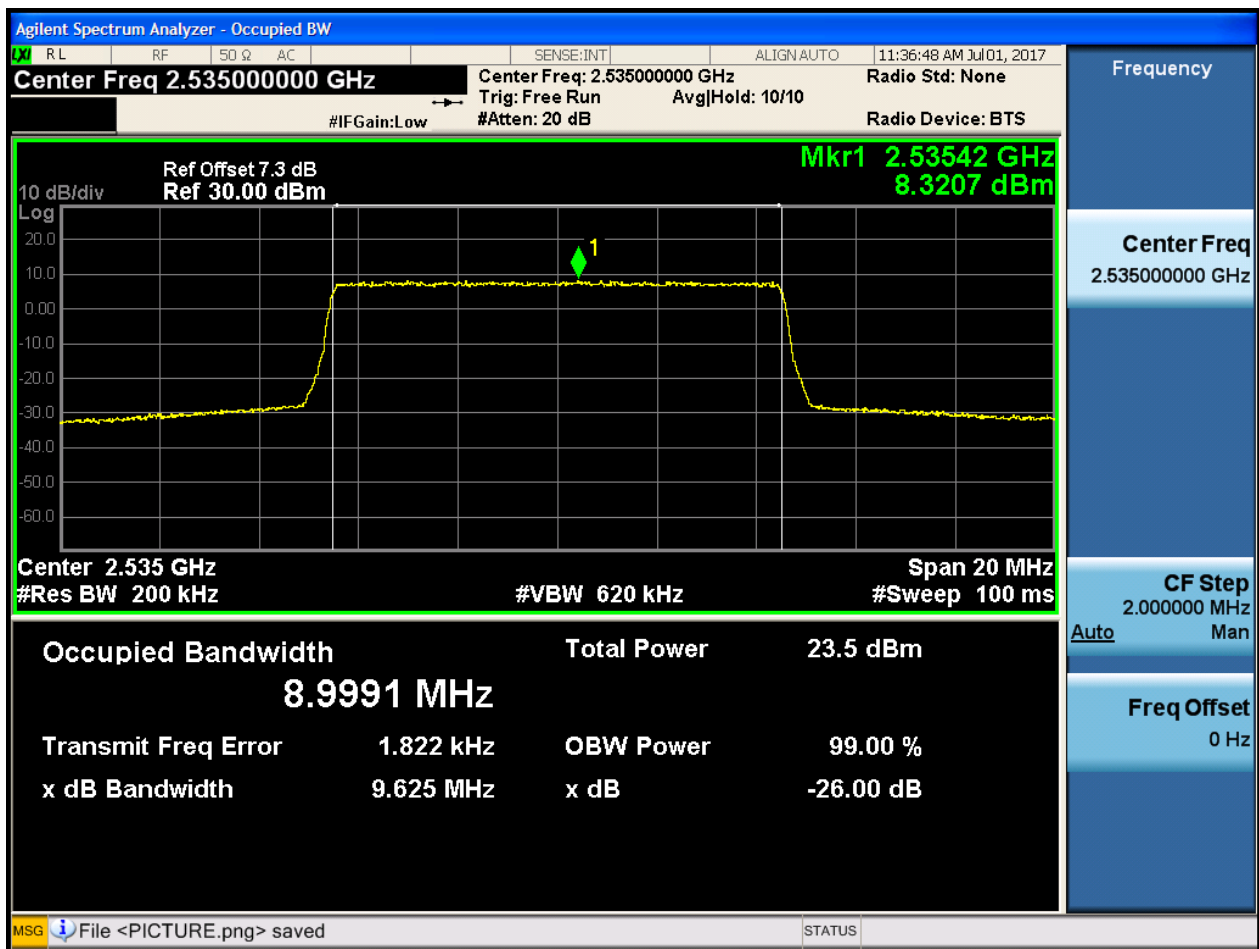
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

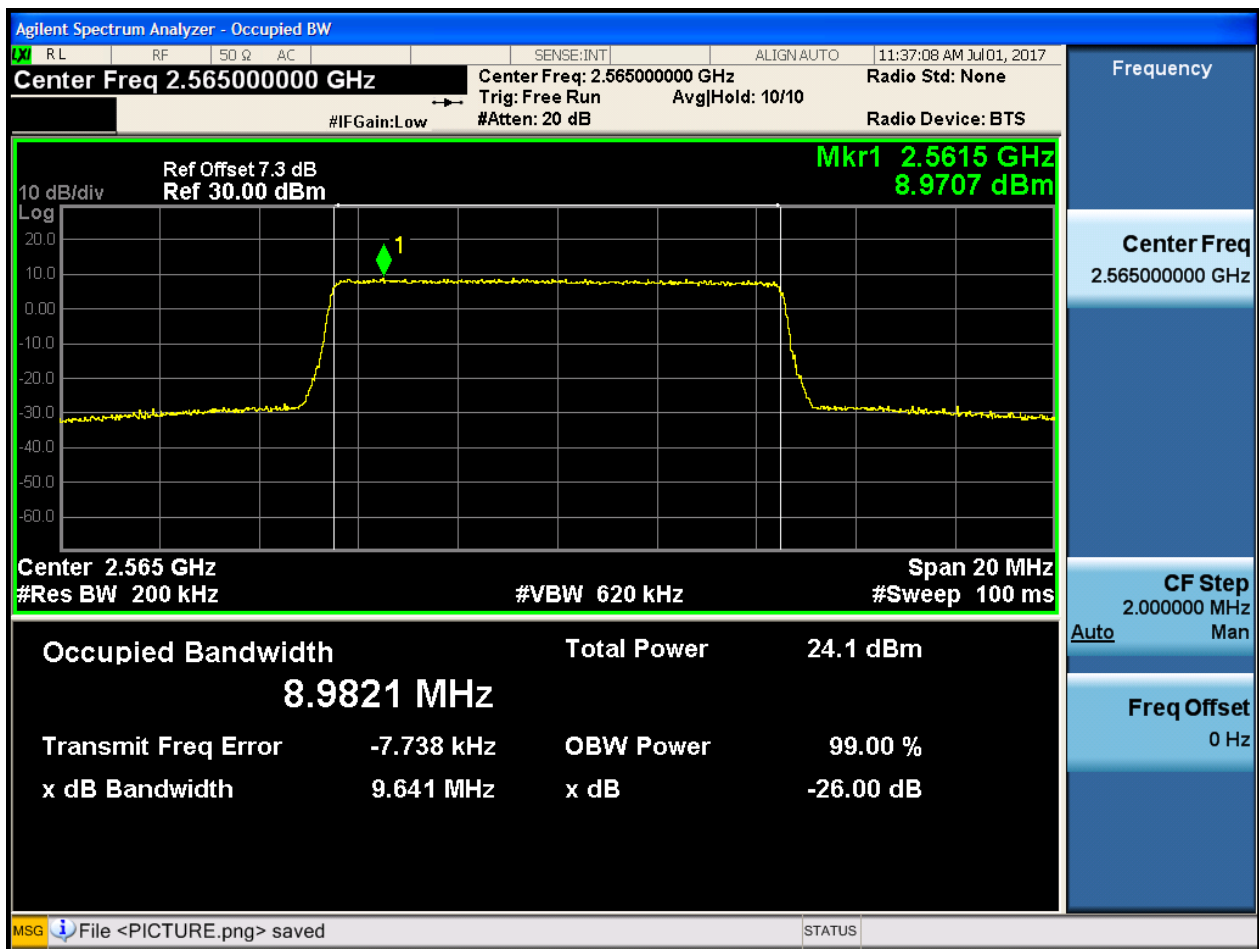
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0

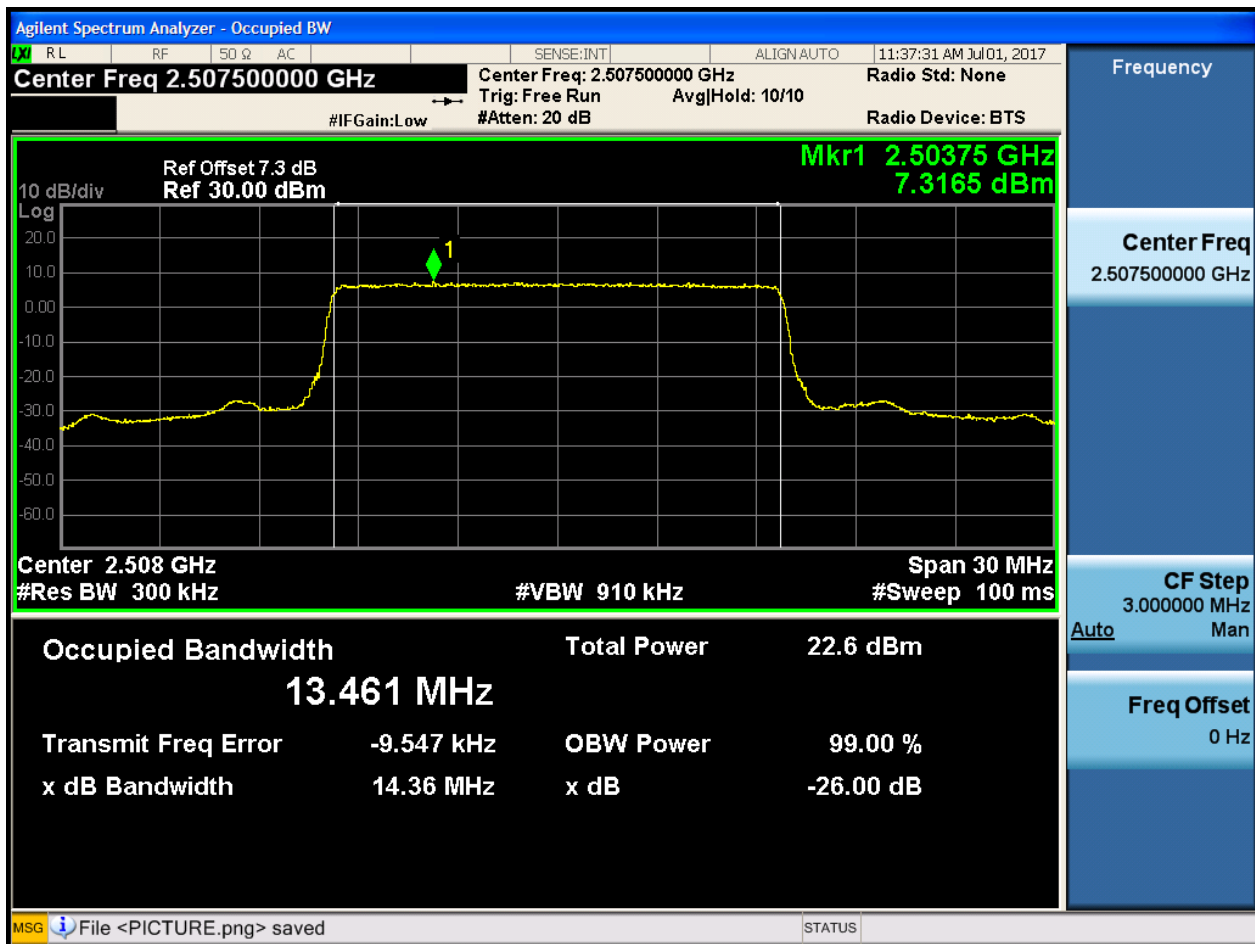




4.1.1.1.3 Test Bandwidth = 15

4.1.1.1.3.1 Test Channel = LCH

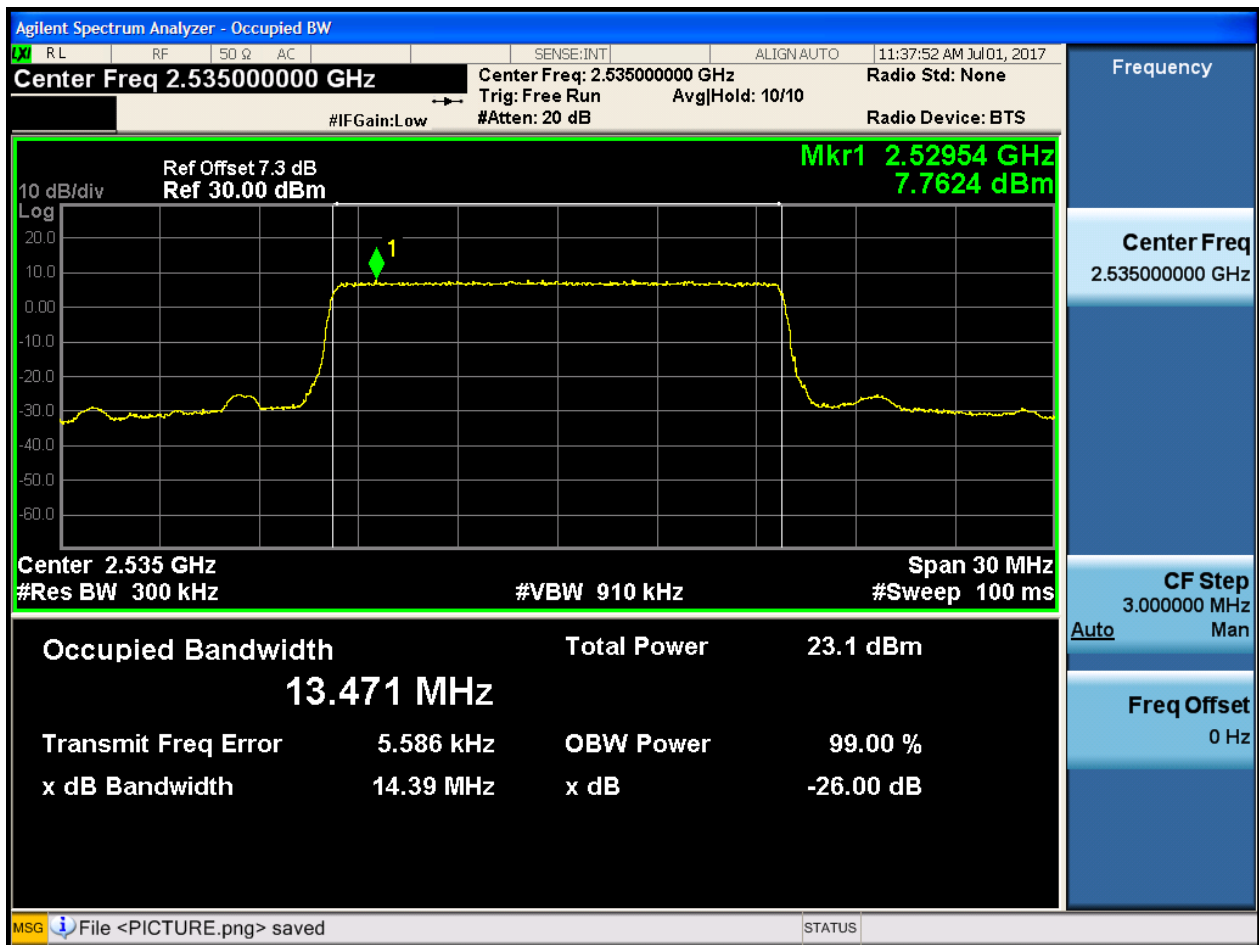
4.1.1.1.3.1.1 Test RB = RB75#0





4.1.1.1.3.2 Test Channel = MCH

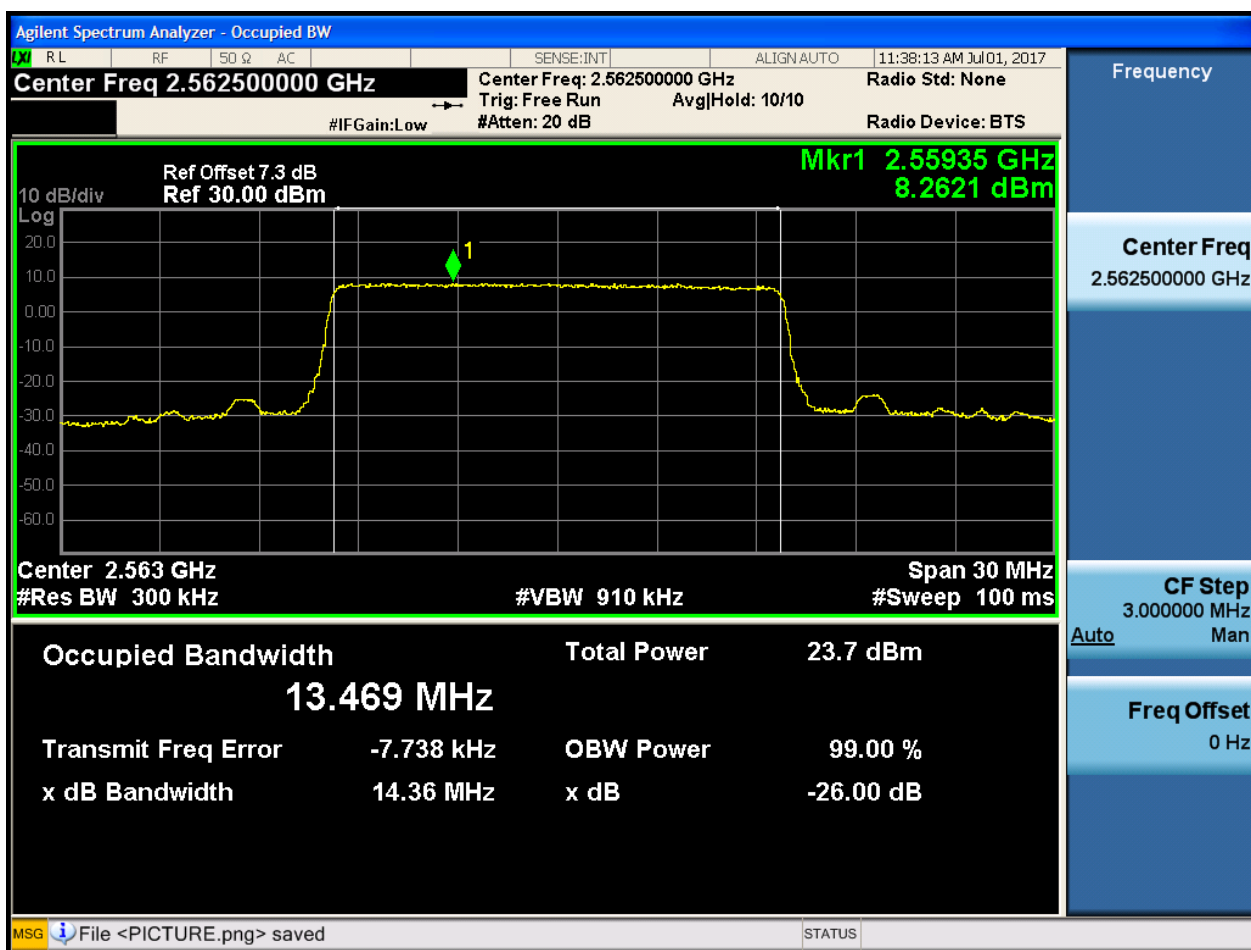
4.1.1.1.3.2.1 Test RB = RB75#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB75#0

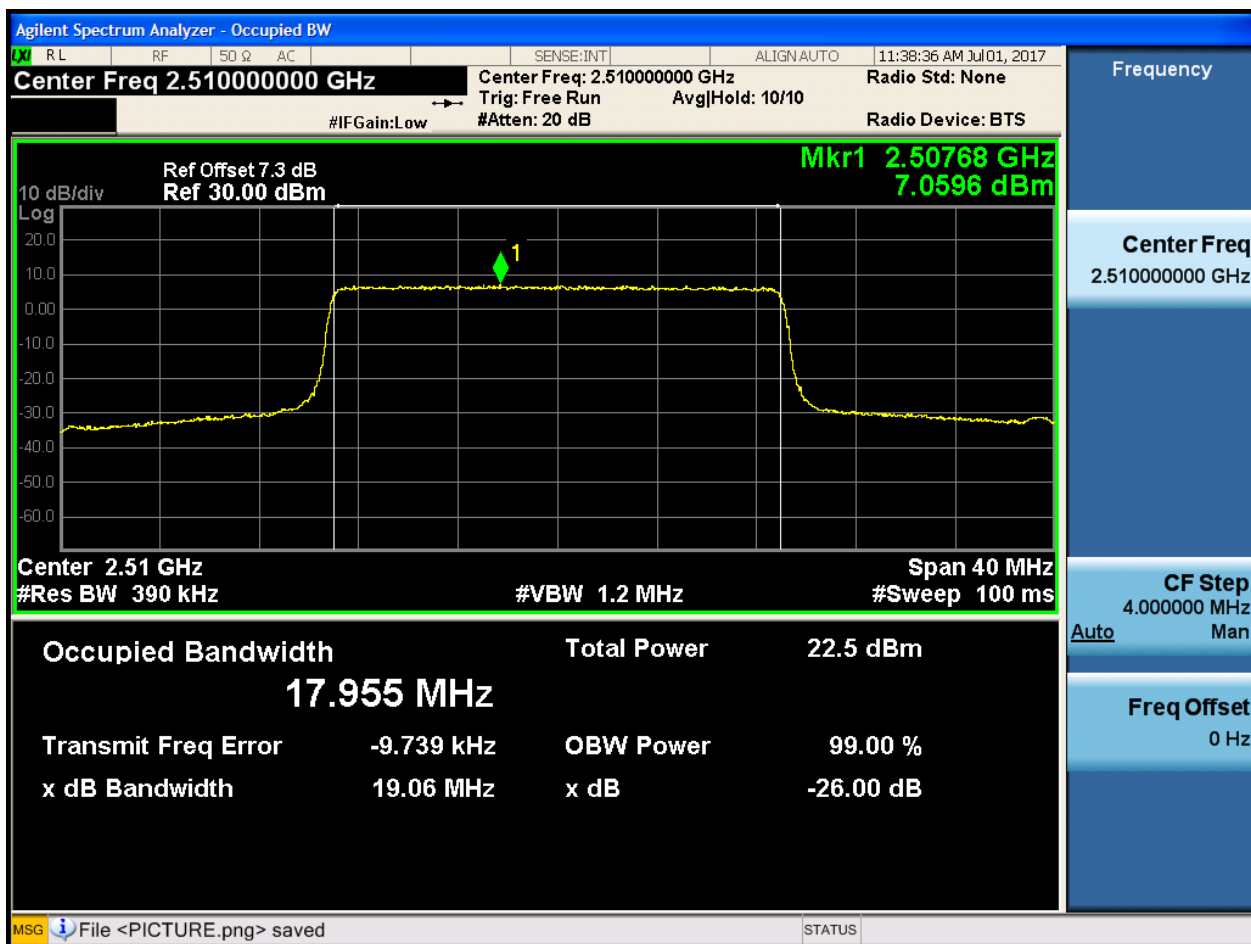




4.1.1.1.4 Test Bandwidth = 20

4.1.1.1.4.1 Test Channel = LCH

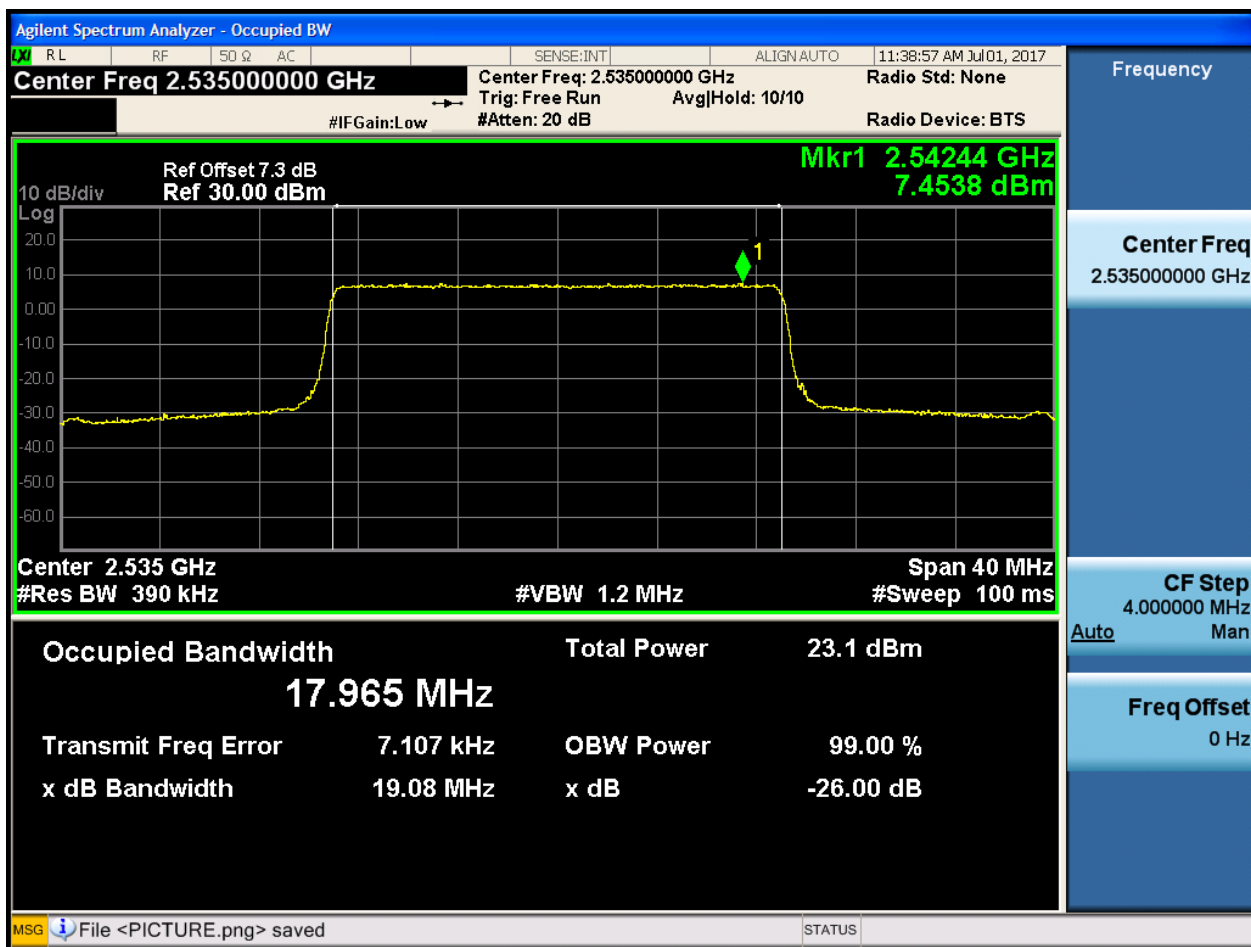
4.1.1.1.4.1.1 Test RB = RB100#0





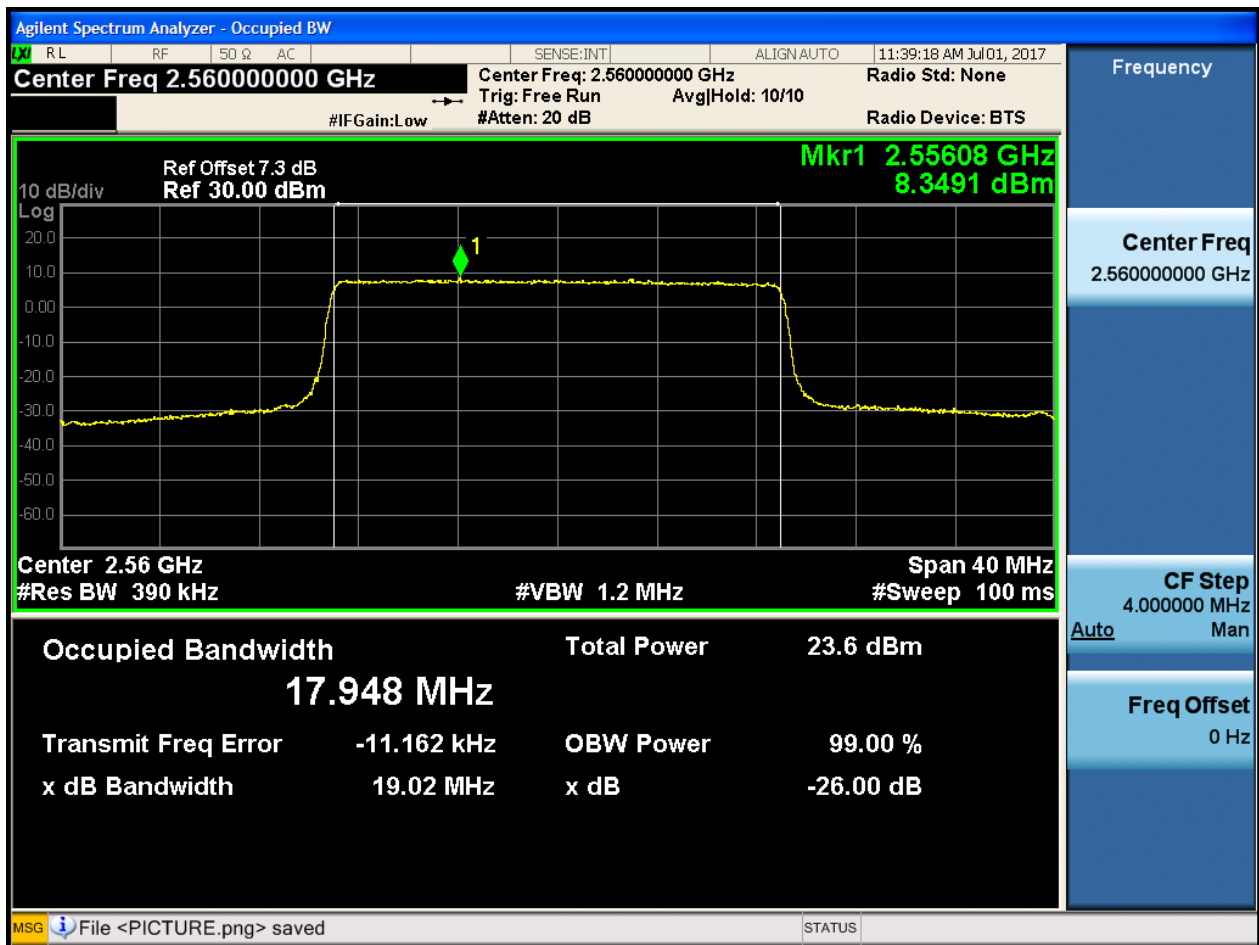
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB100#0



4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB100#0



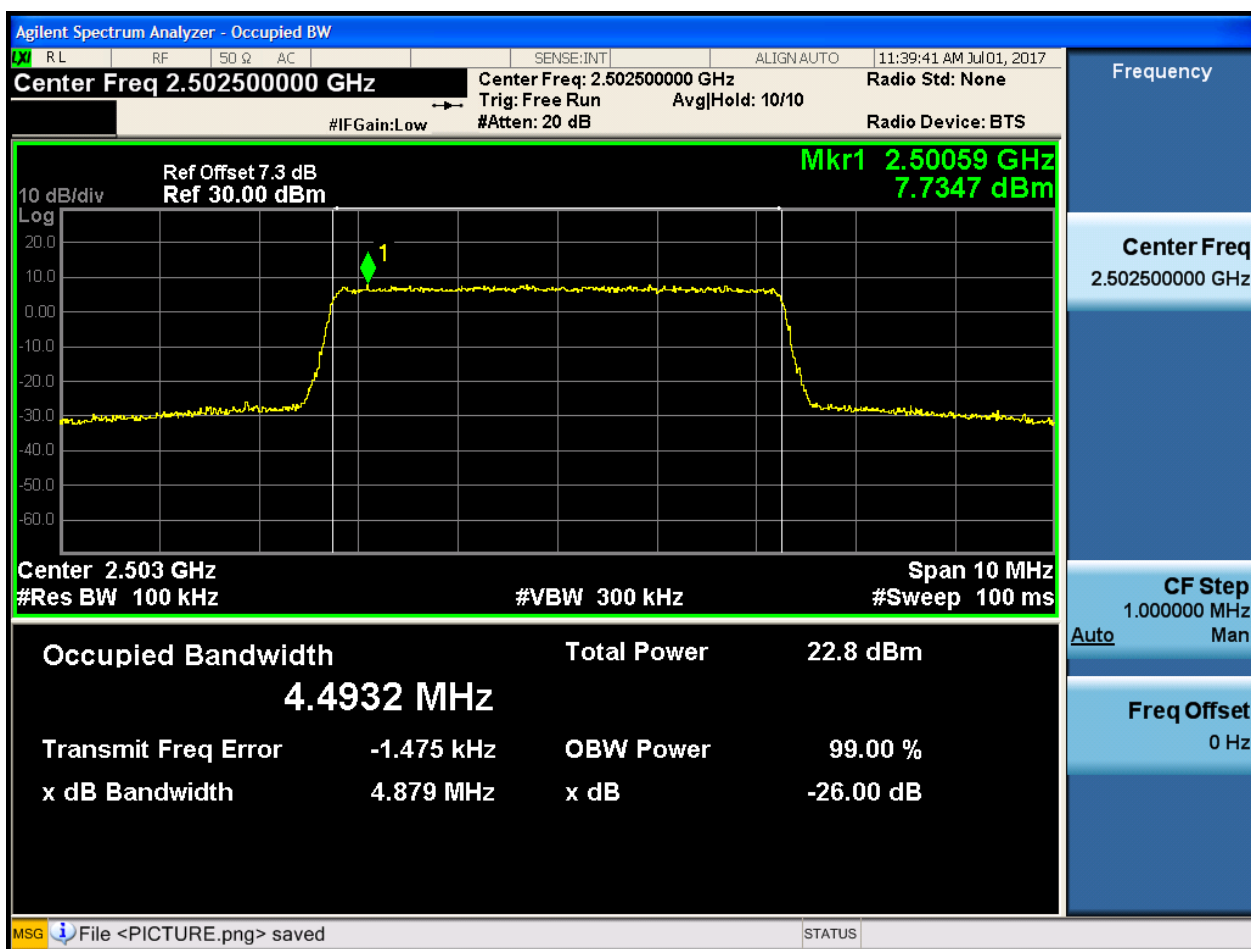


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

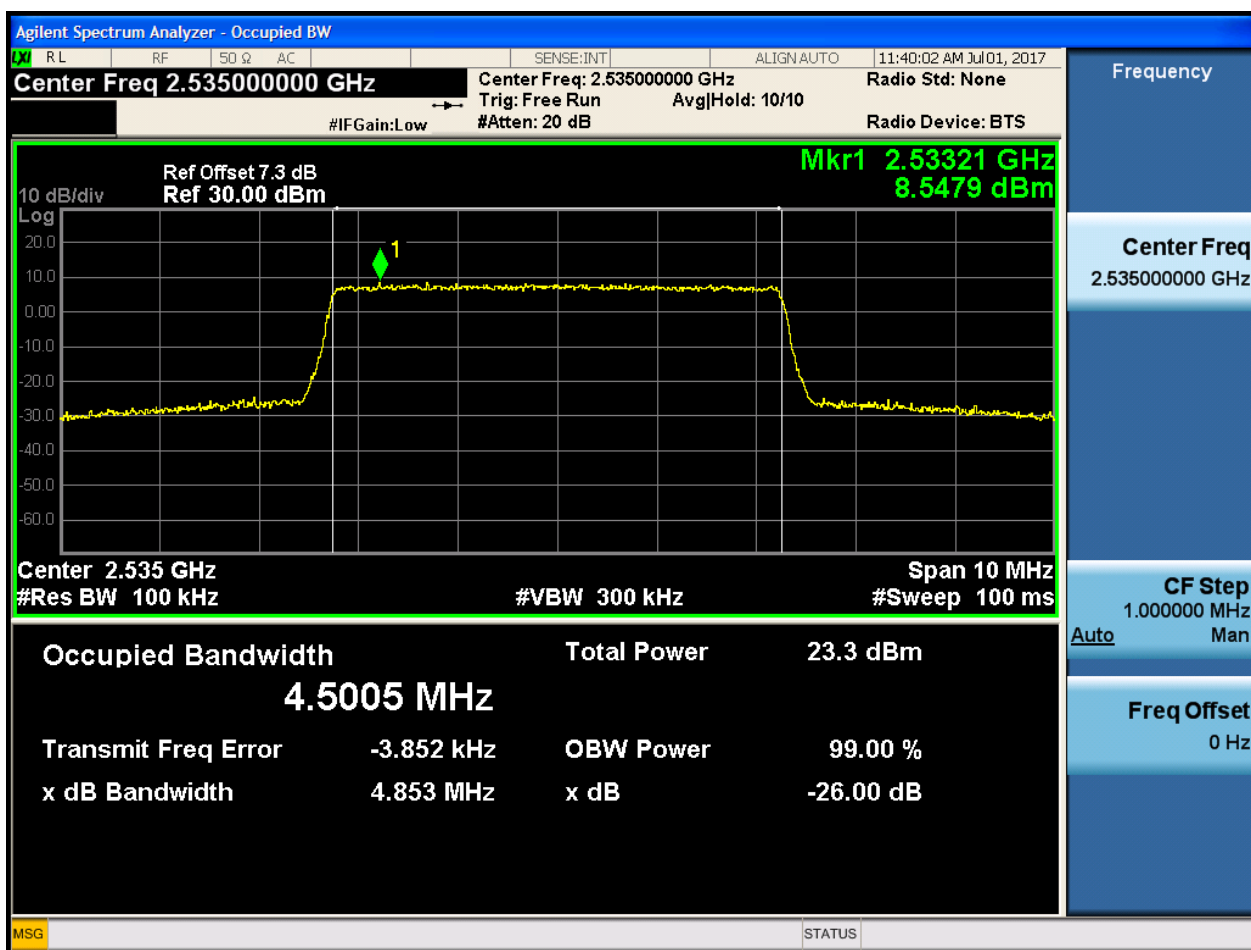
4.1.1.2.1.1.1 Test RB = RB25#0





4.1.1.2.1.2 Test Channel = MCH

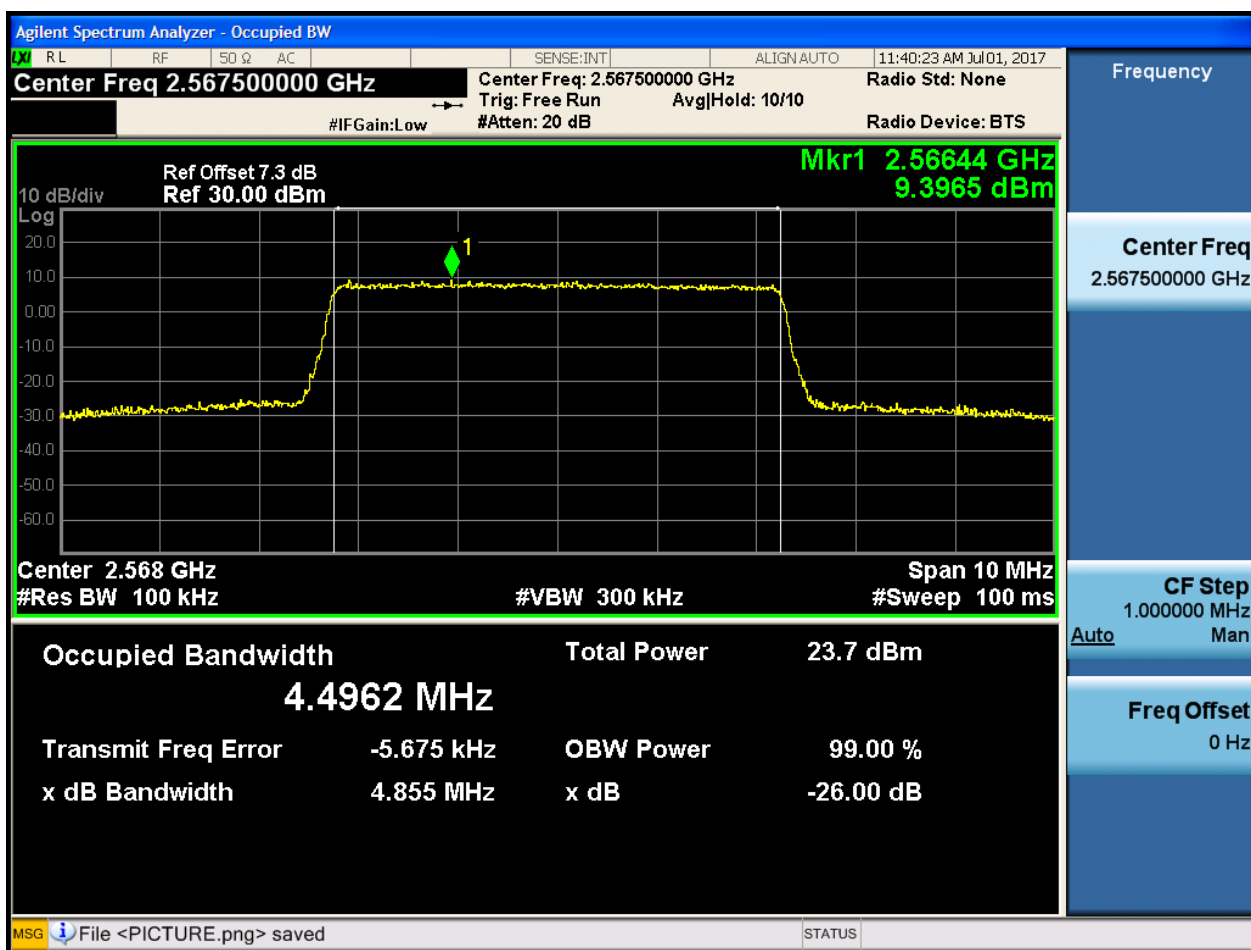
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

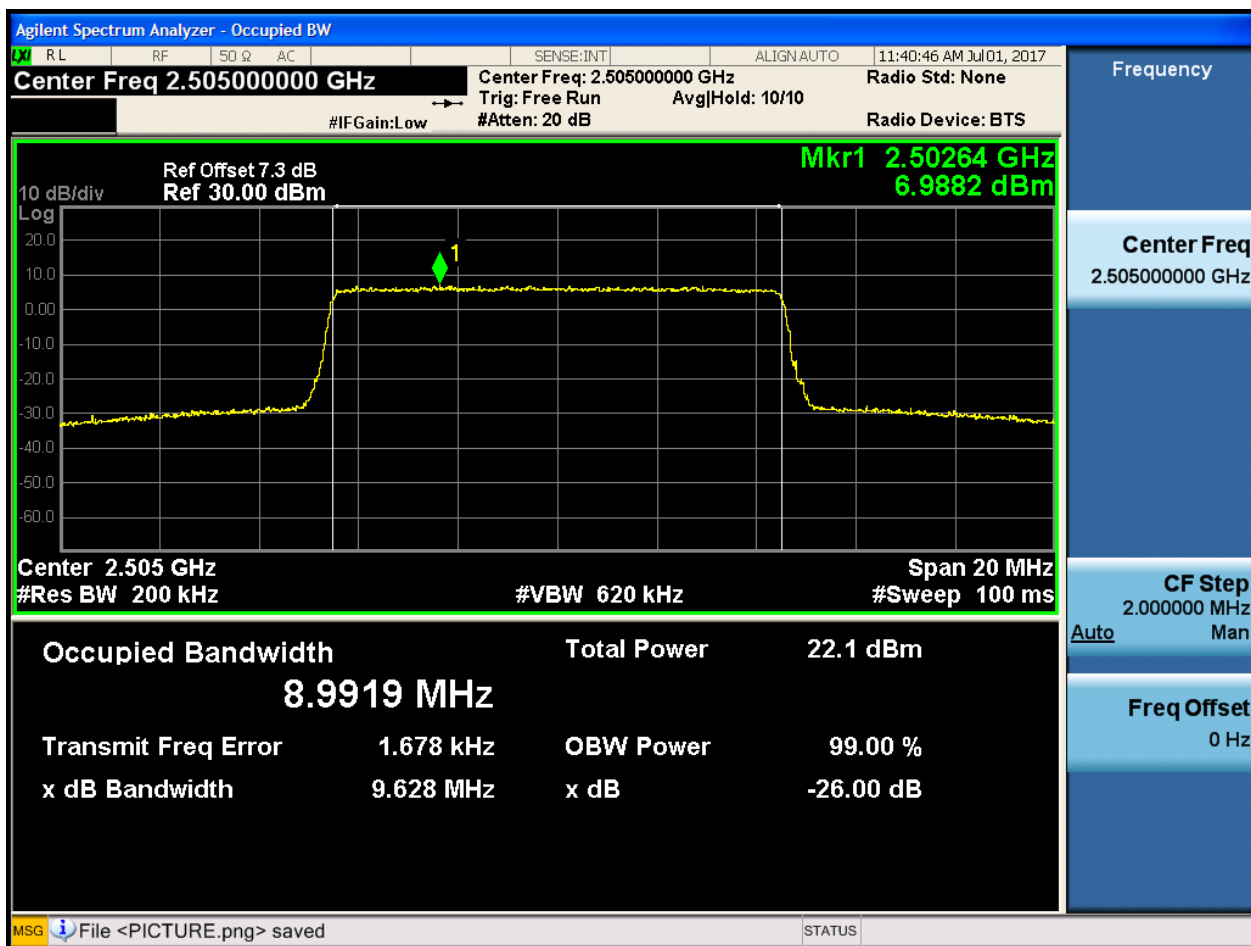




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

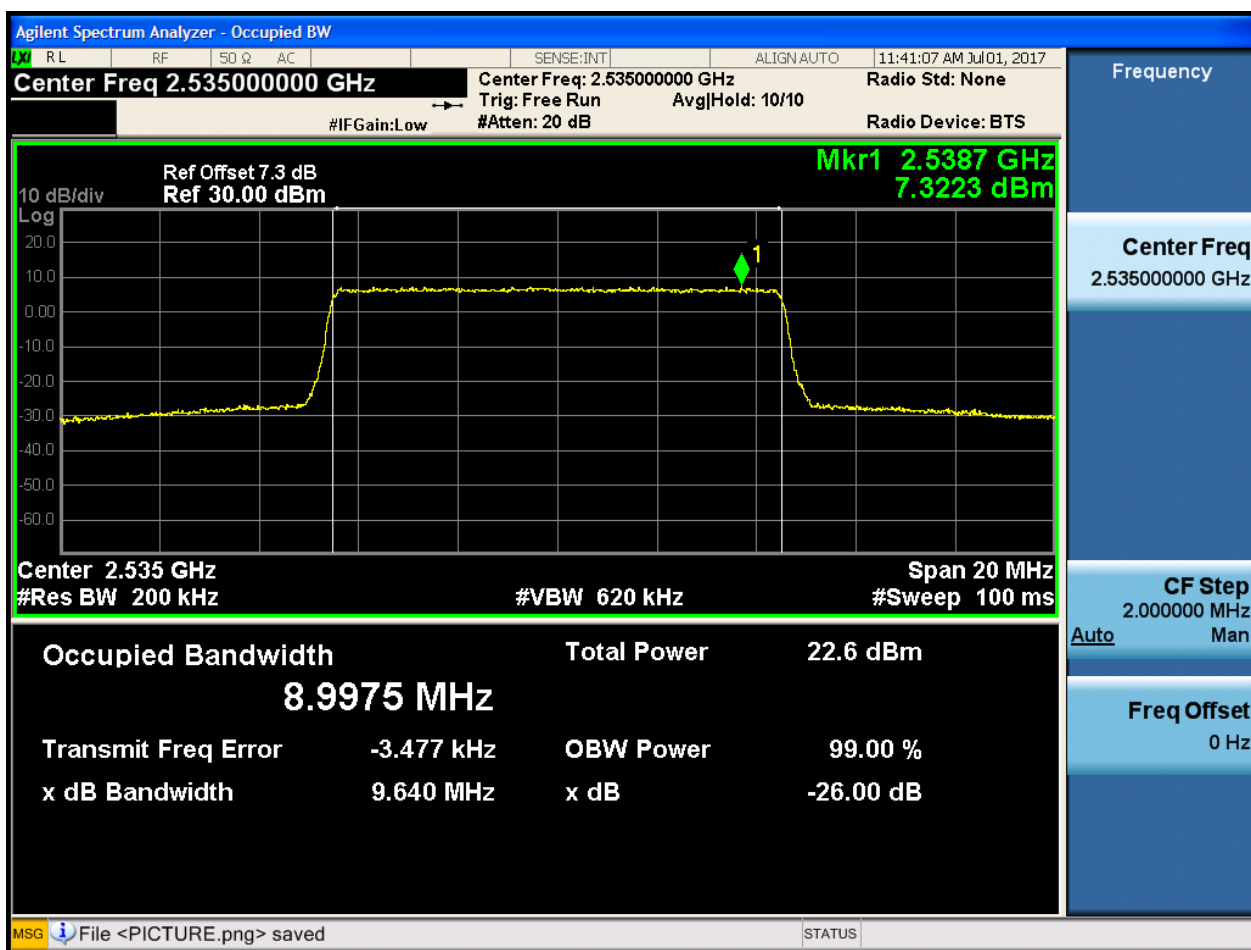
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

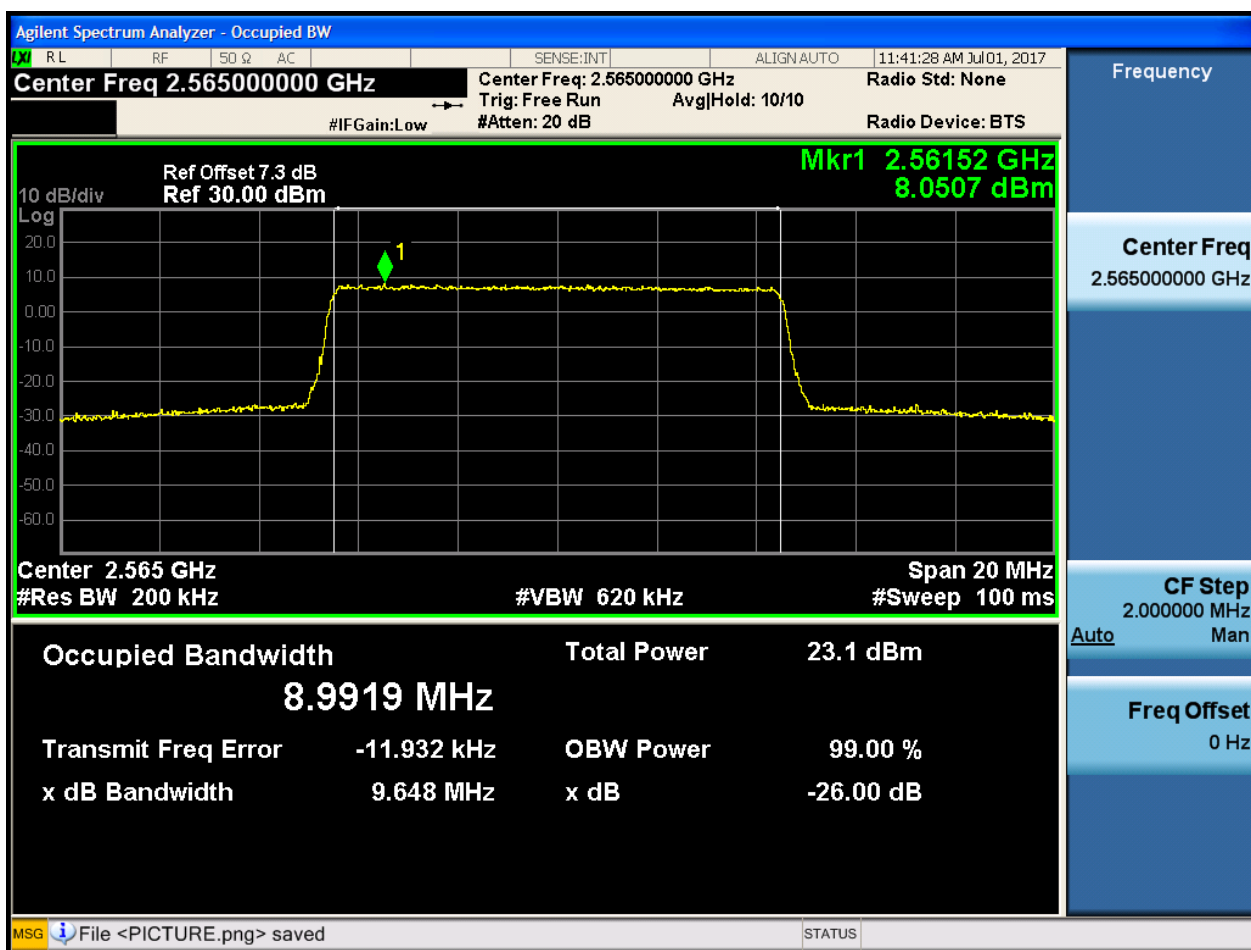
4.1.1.2.2.2.1 Test RB = RB50#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0

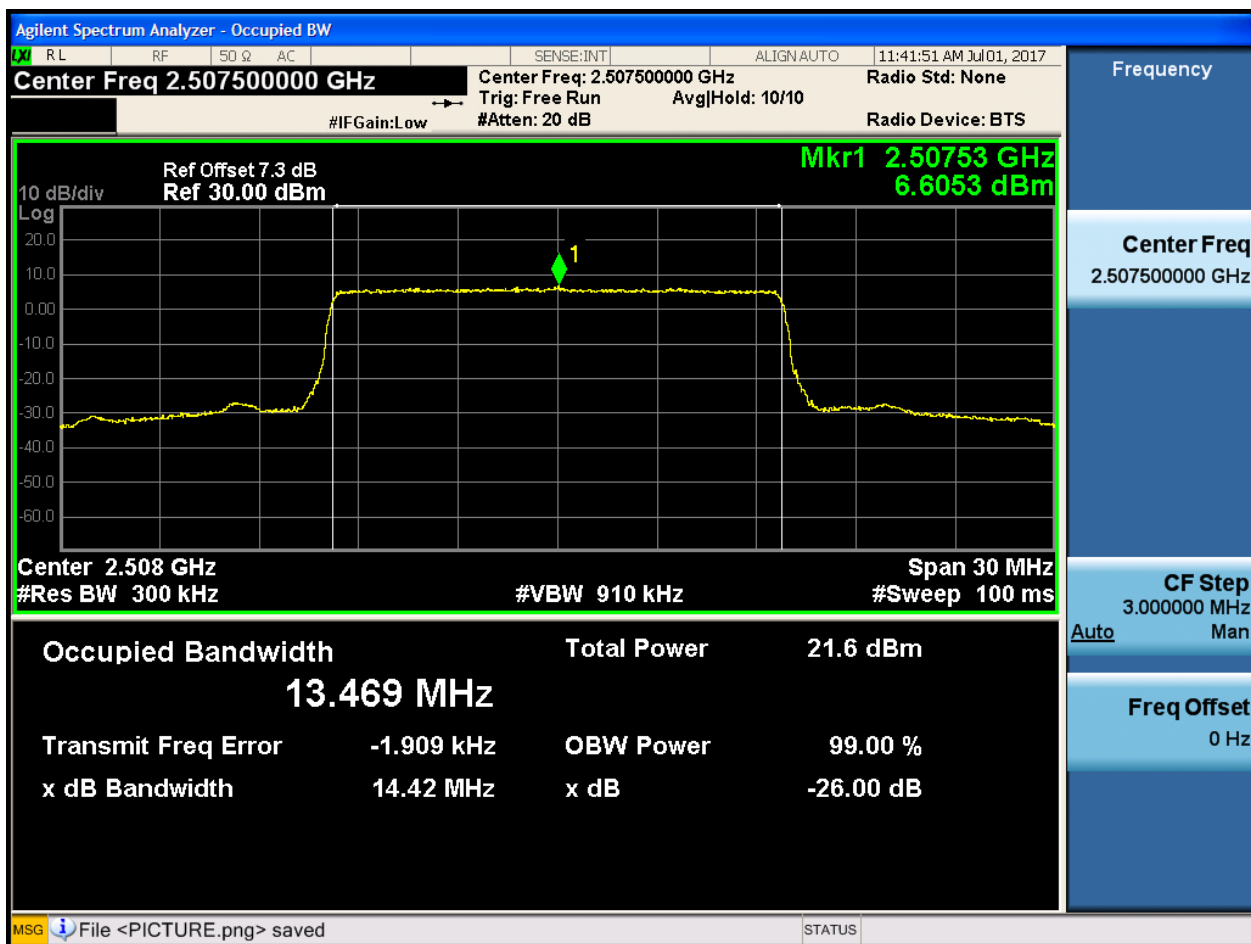




4.1.1.2.3 Test Bandwidth = 15

4.1.1.2.3.1 Test Channel = LCH

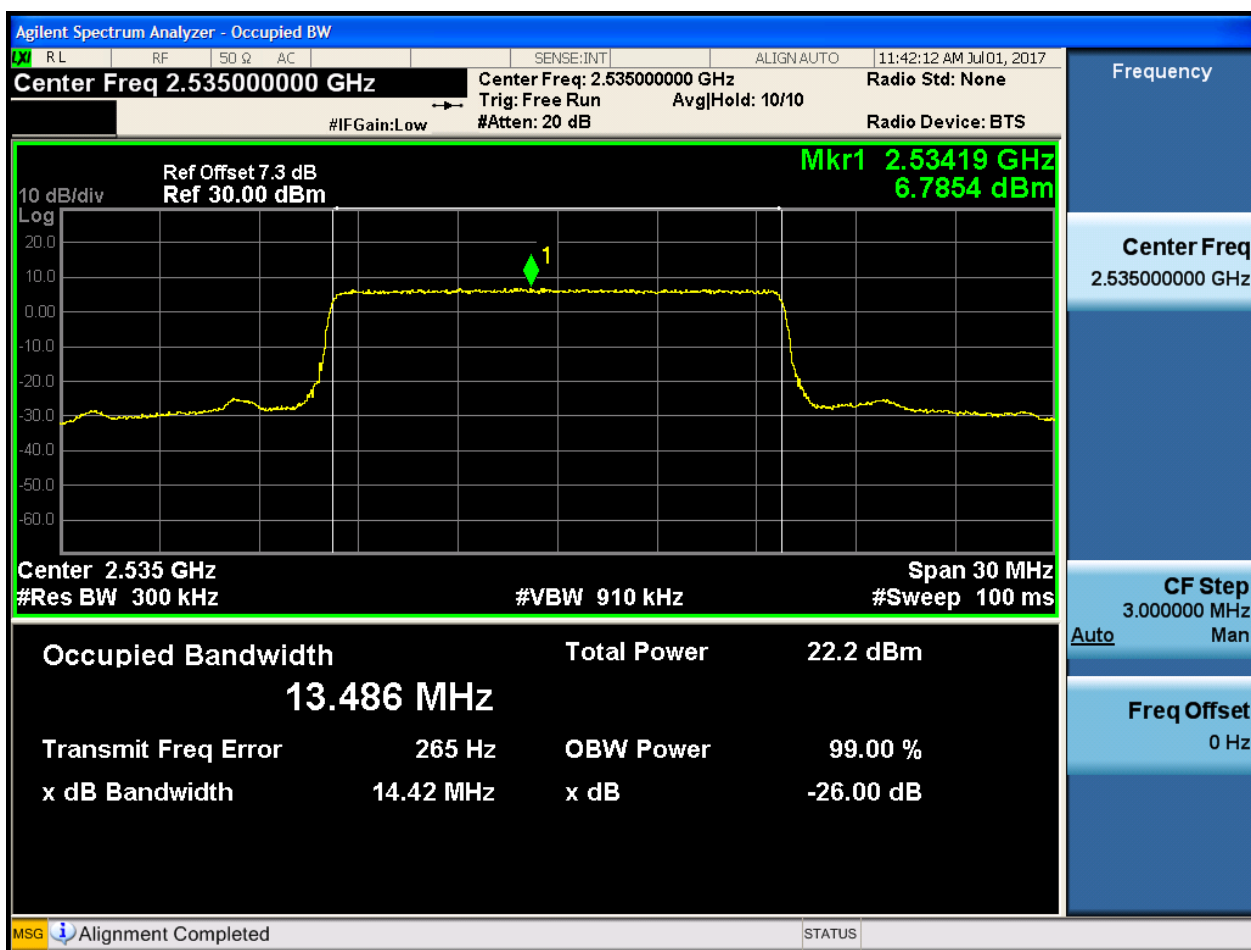
4.1.1.2.3.1.1 Test RB = RB75#0





4.1.1.2.3.2 Test Channel = MCH

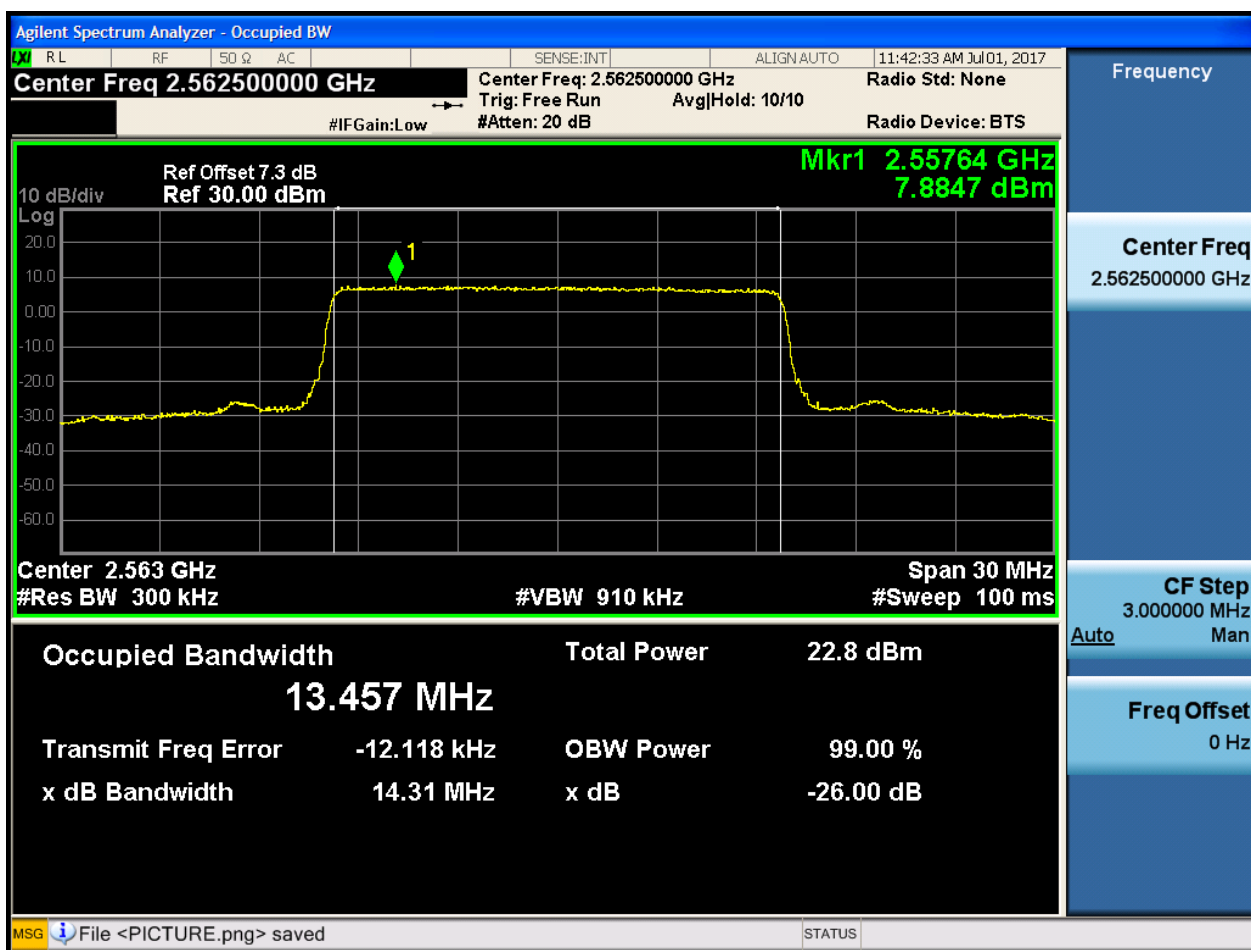
4.1.1.2.3.2.1 Test RB = RB75#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB75#0

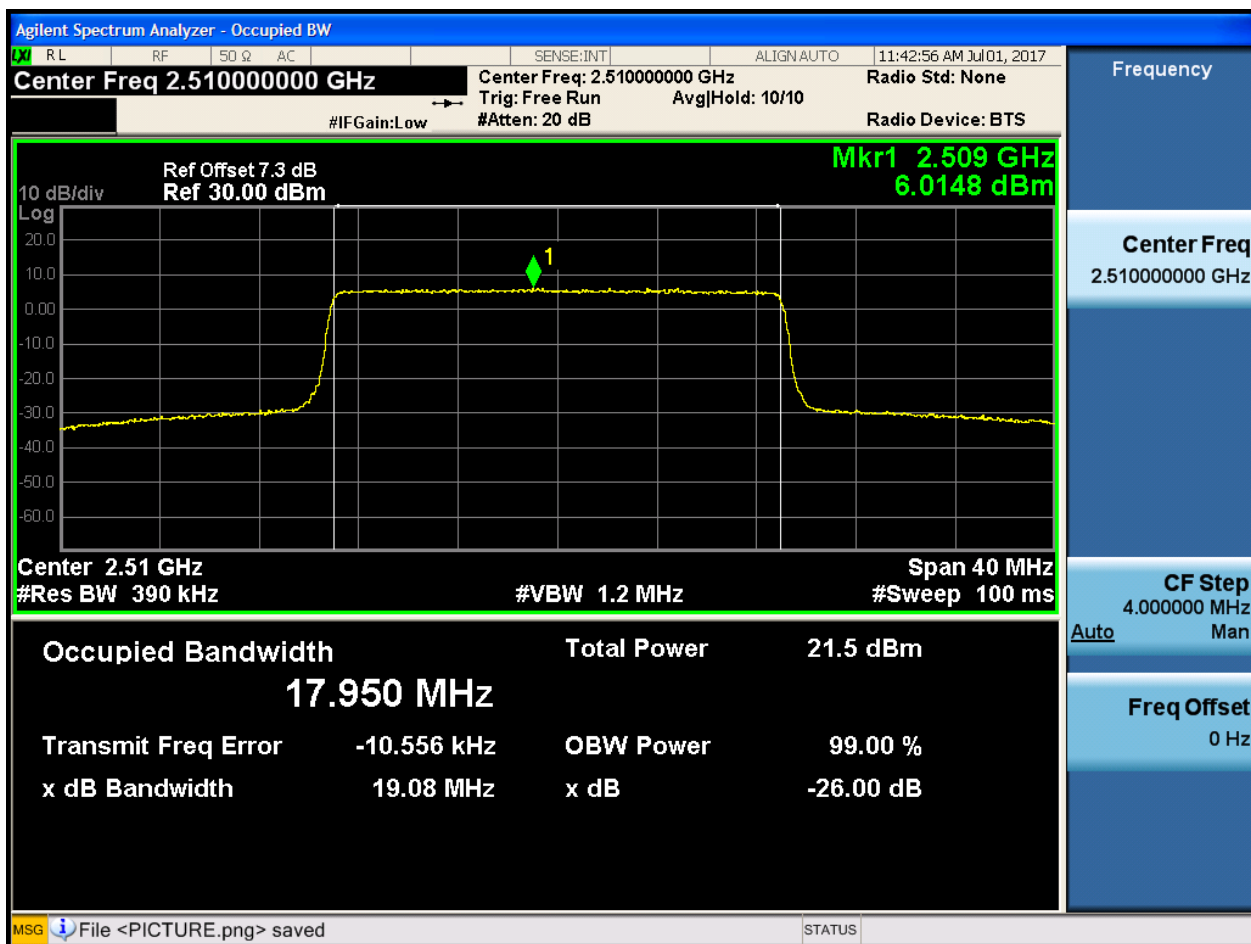




4.1.1.2.4 Test Bandwidth = 20

4.1.1.2.4.1 Test Channel = LCH

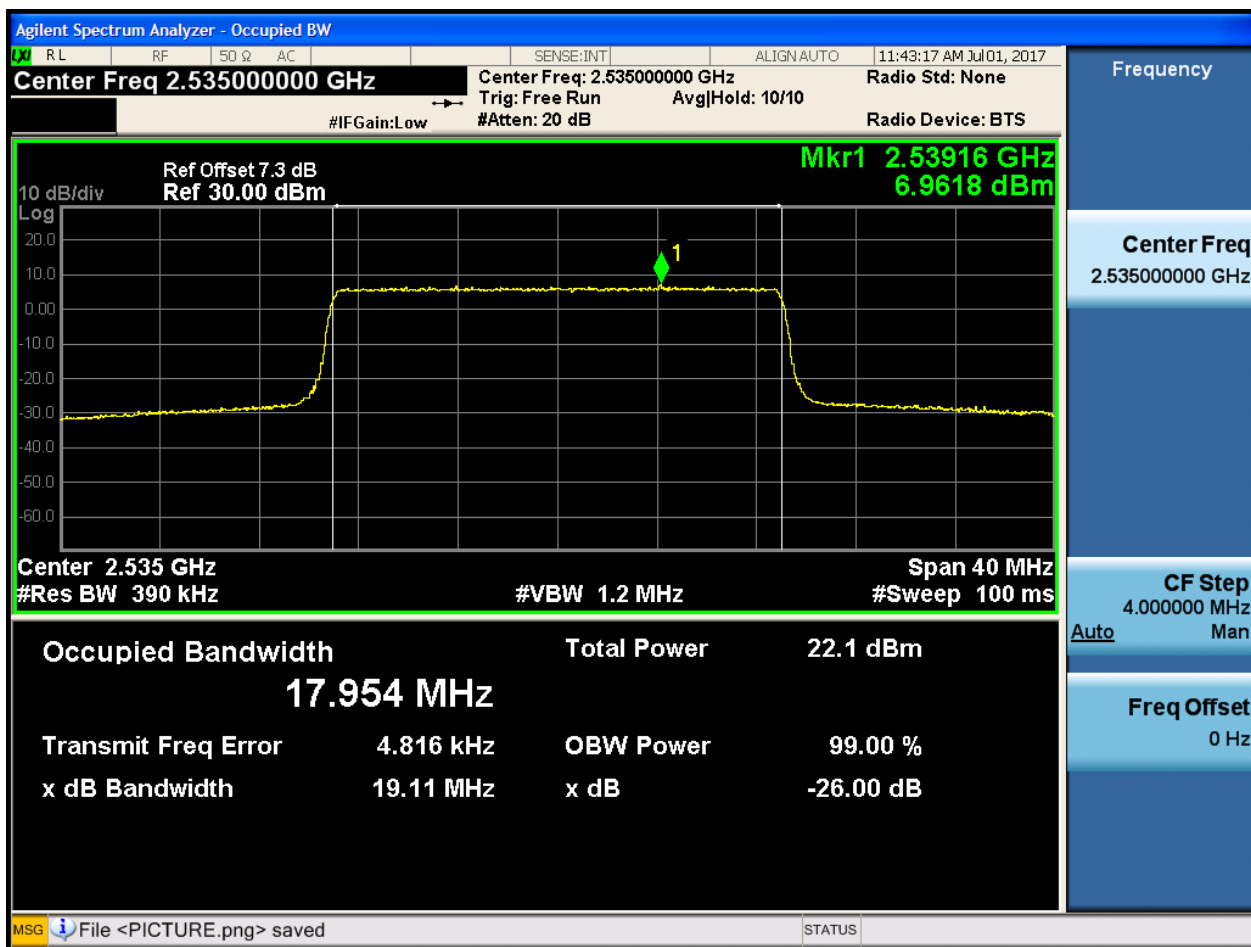
4.1.1.2.4.1.1 Test RB = RB100#0





4.1.1.2.4.2 Test Channel = MCH

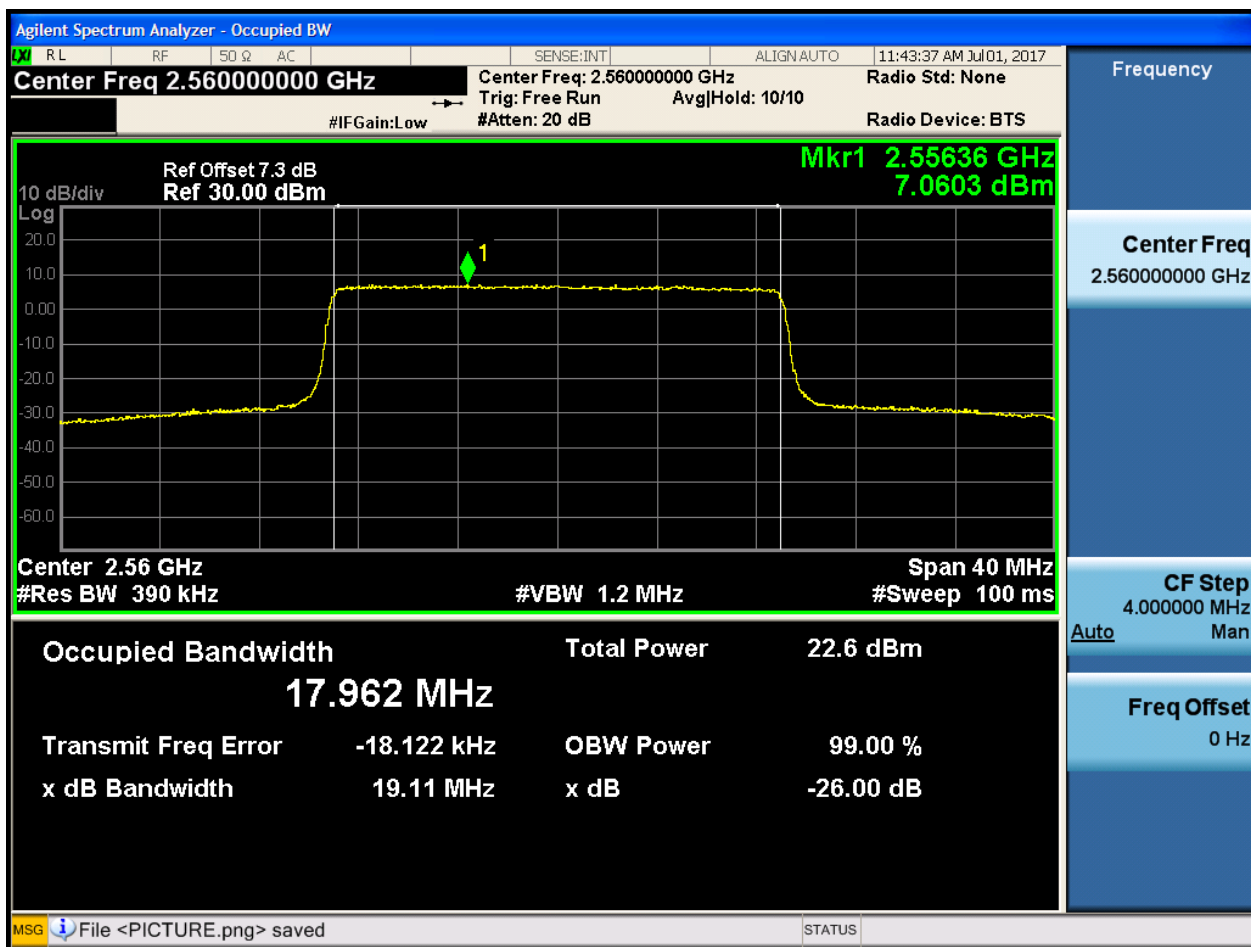
4.1.1.2.4.2.1 Test RB = RB100#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

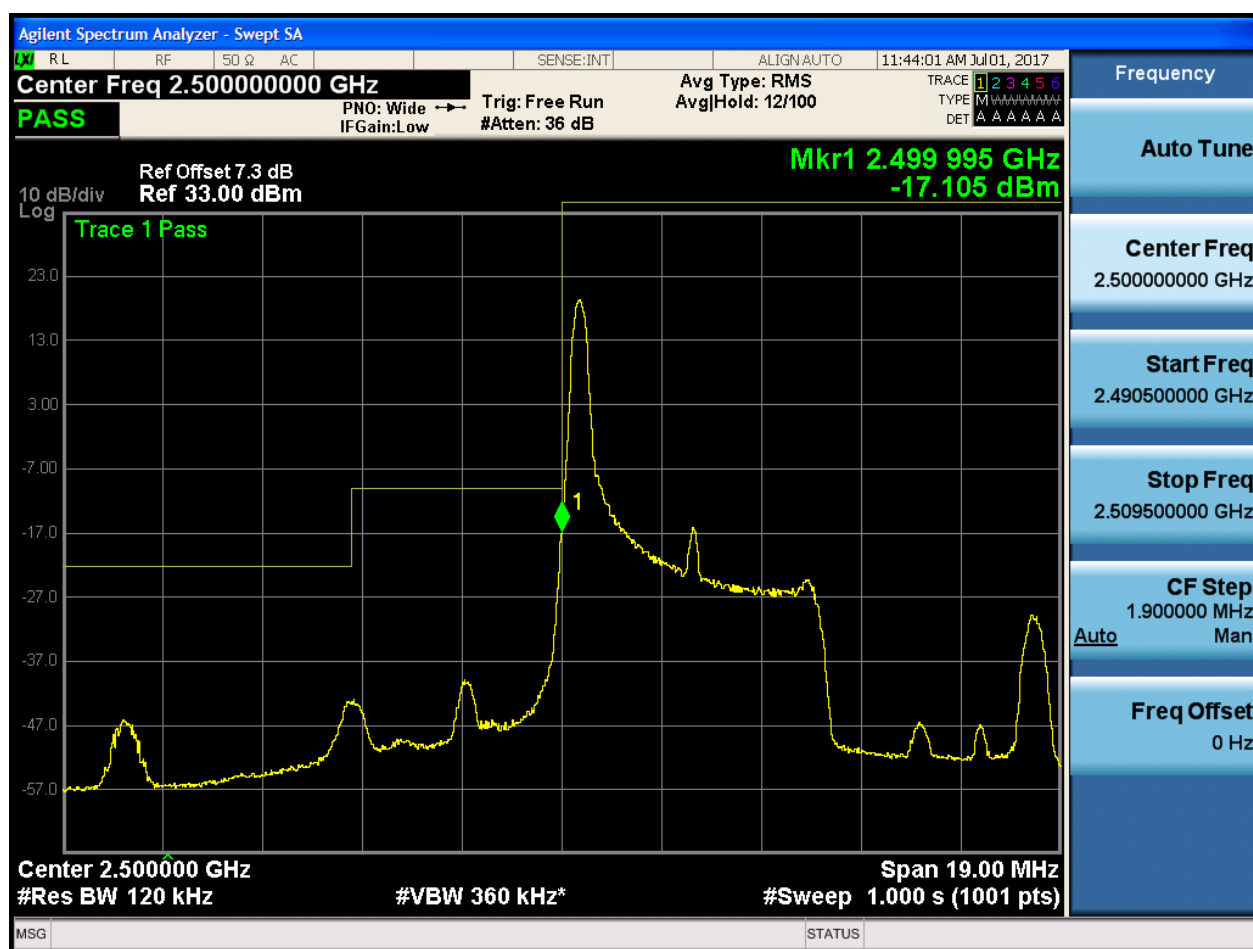
5.1.1 Test Band = BAND7

5.1.1.1 Test Mode = LTE/TM1

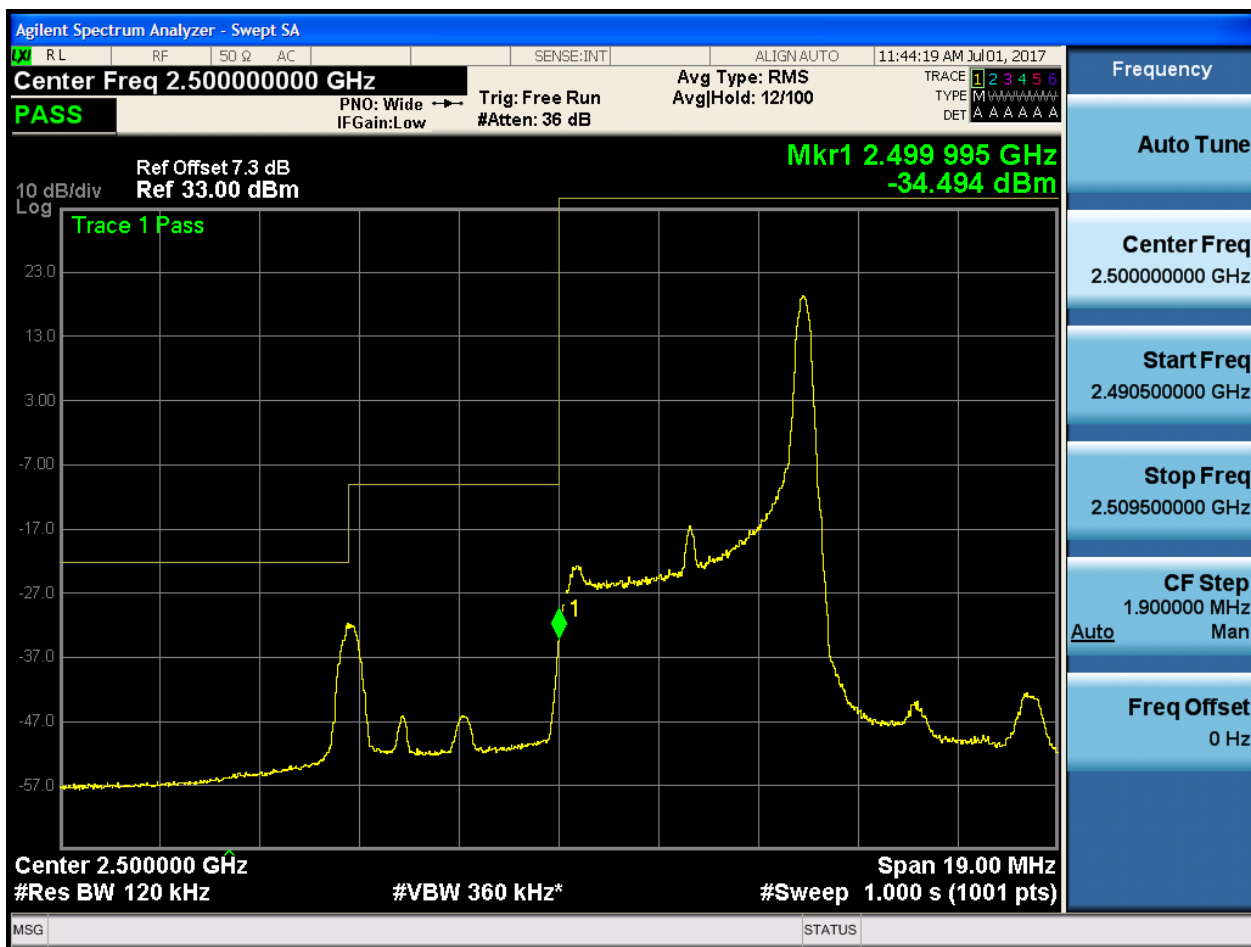
5.1.1.1.1 Test Bandwidth = 5

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0

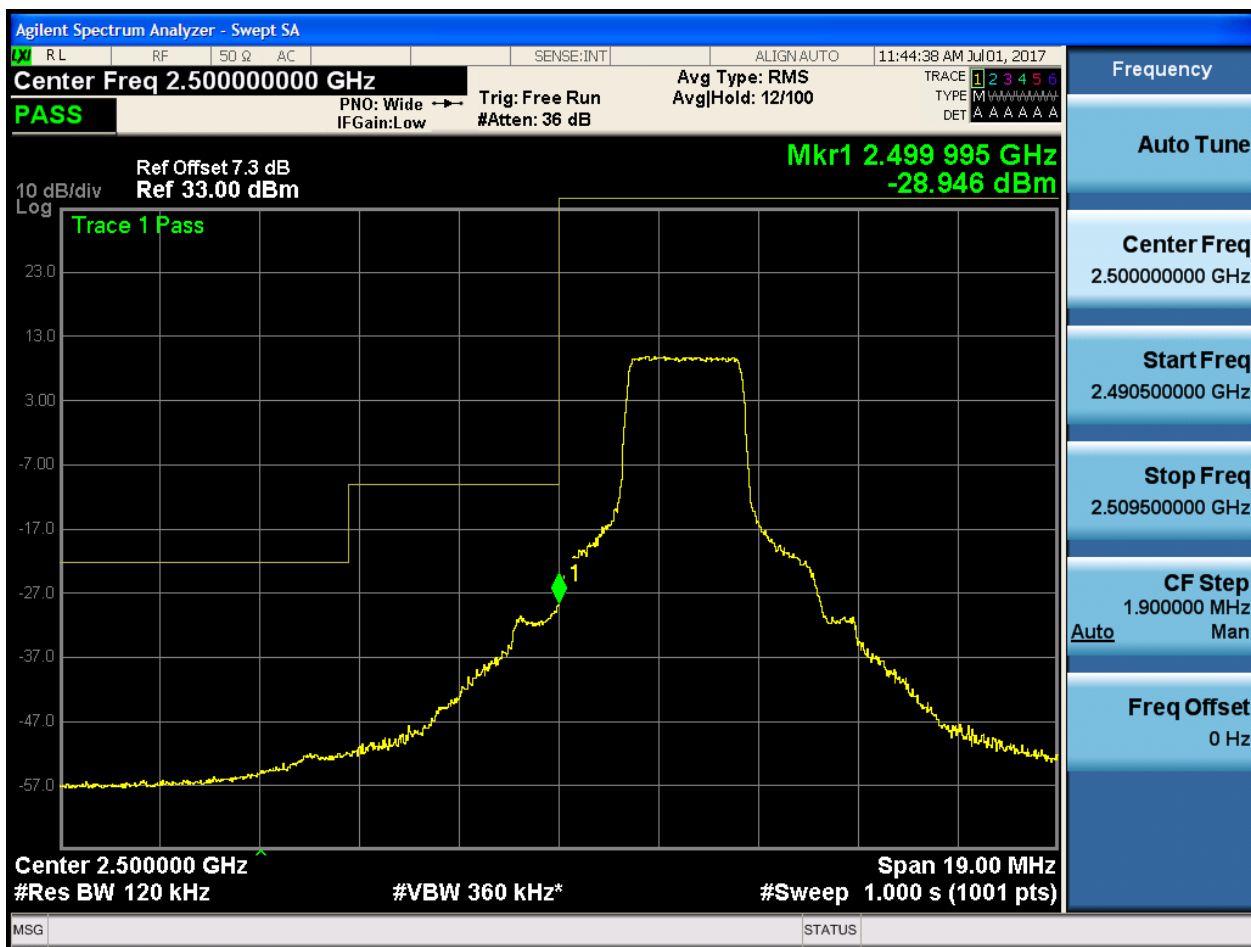


5.1.1.1.1.1.2 Test RB = RB1#24





5.1.1.1.1.3 Test RB = RB12#6





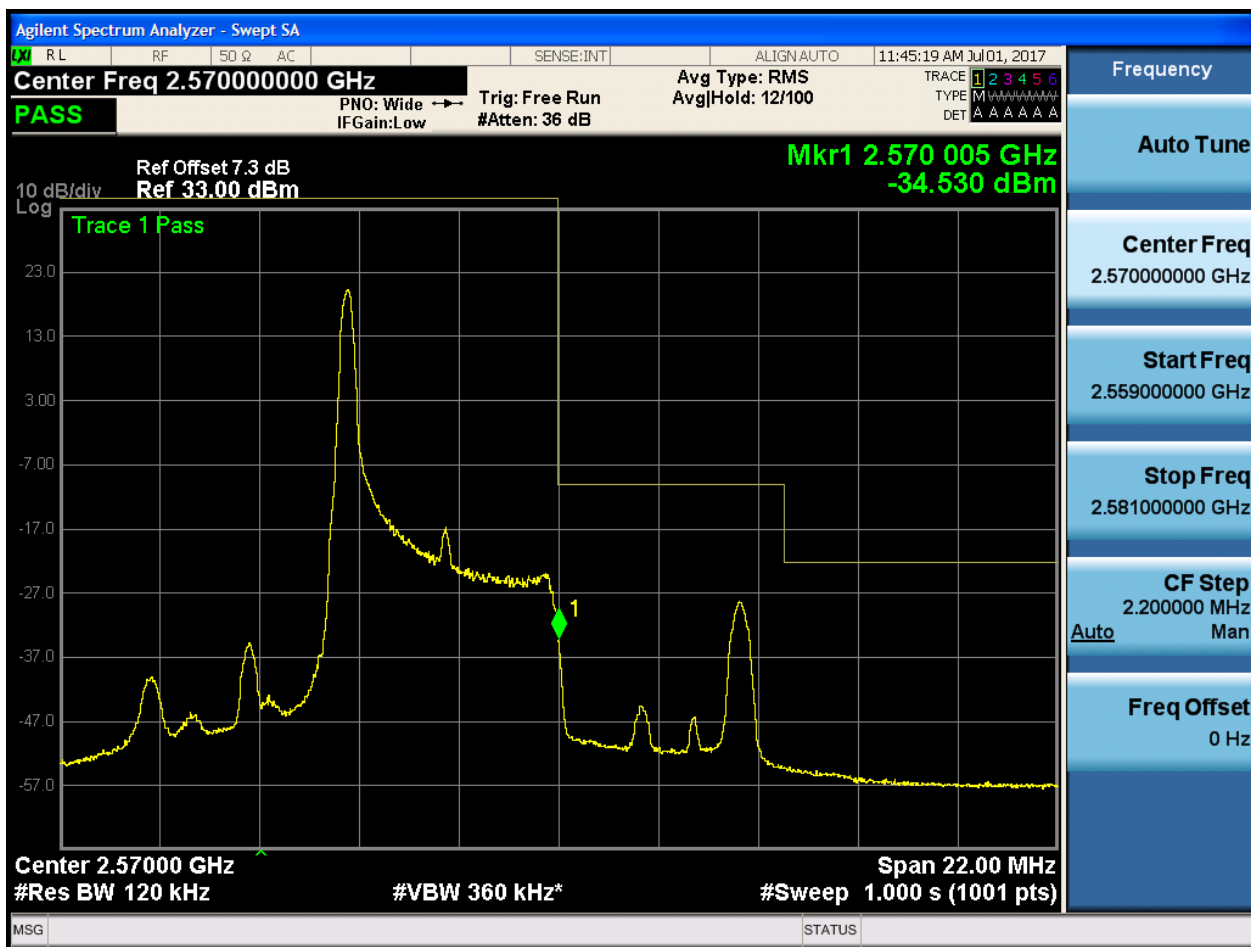
5.1.1.1.1.4 Test RB = RB25#0





5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



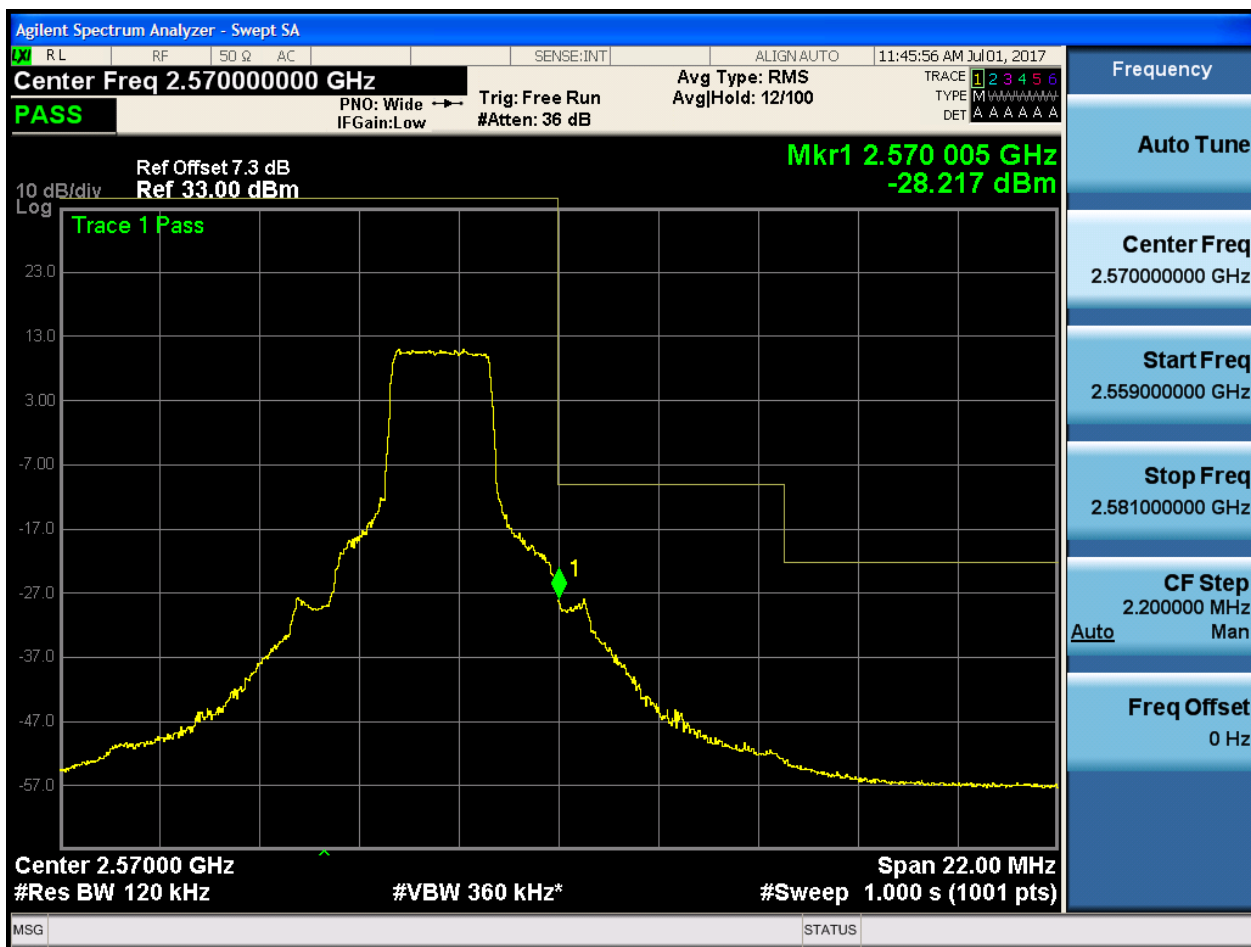


5.1.1.1.2.2 Test RB = RB1#24



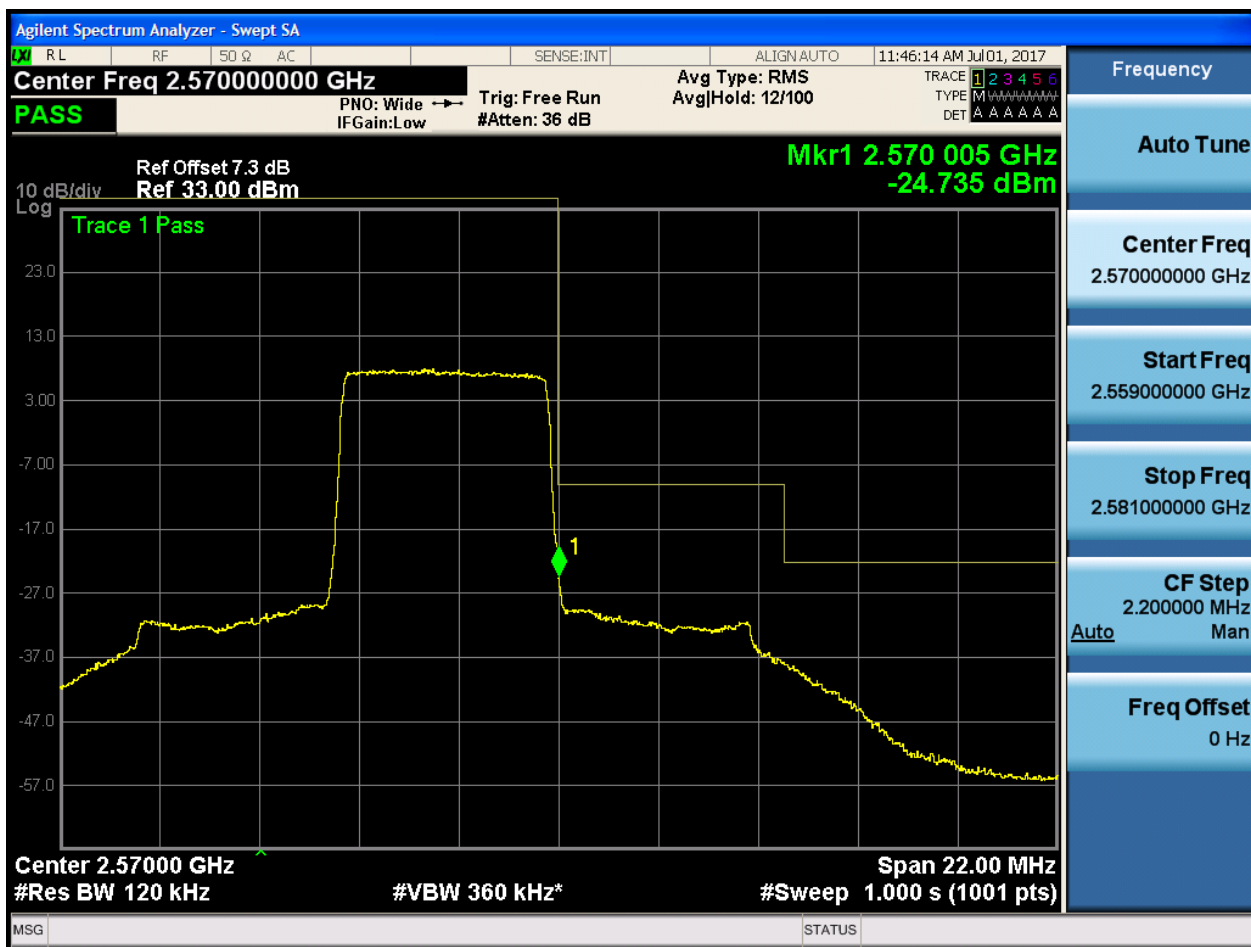


5.1.1.1.2.3 Test RB = RB12#6





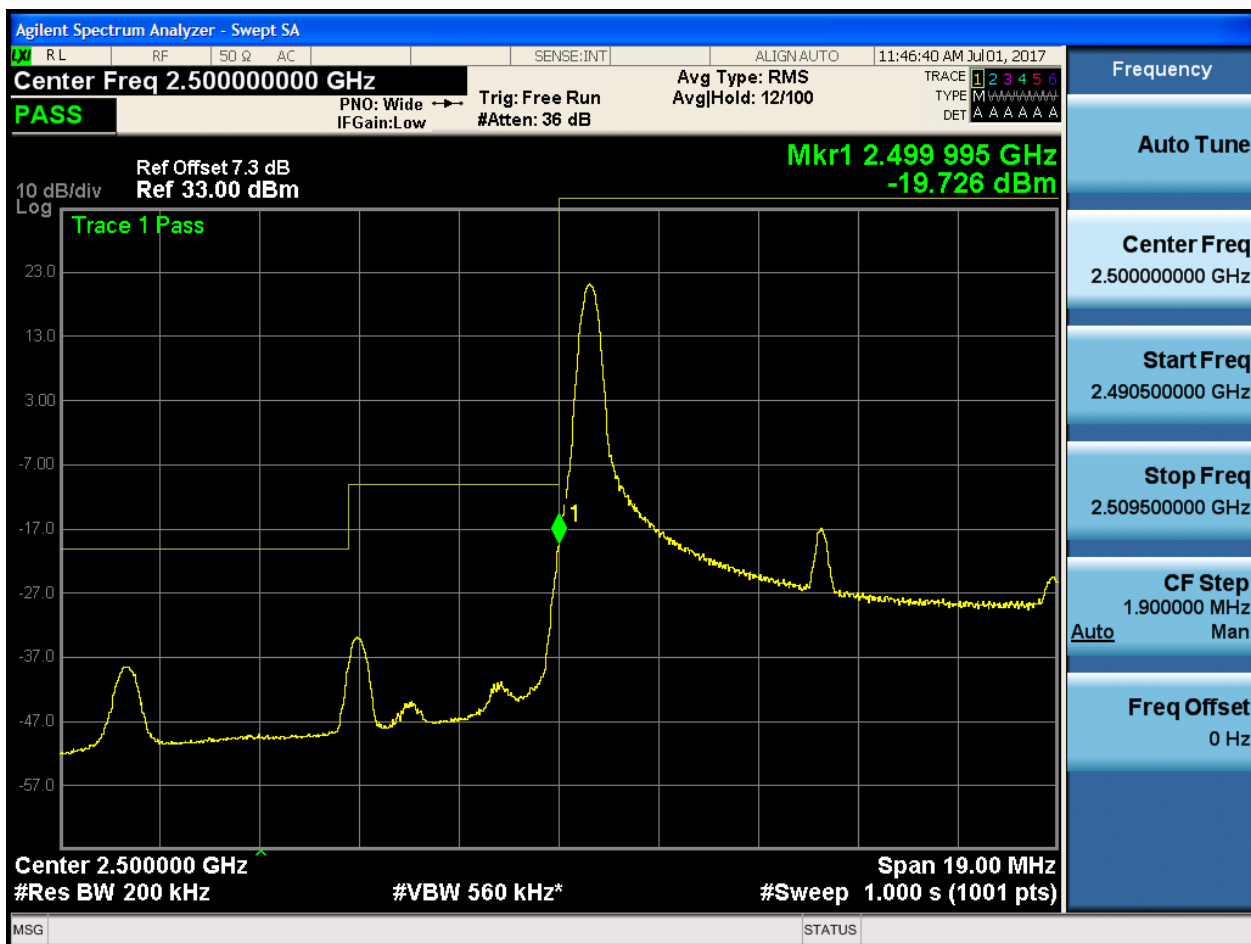
5.1.1.1.2.4 Test RB = RB25#0



5.1.1.1.2 Test Bandwidth = 10

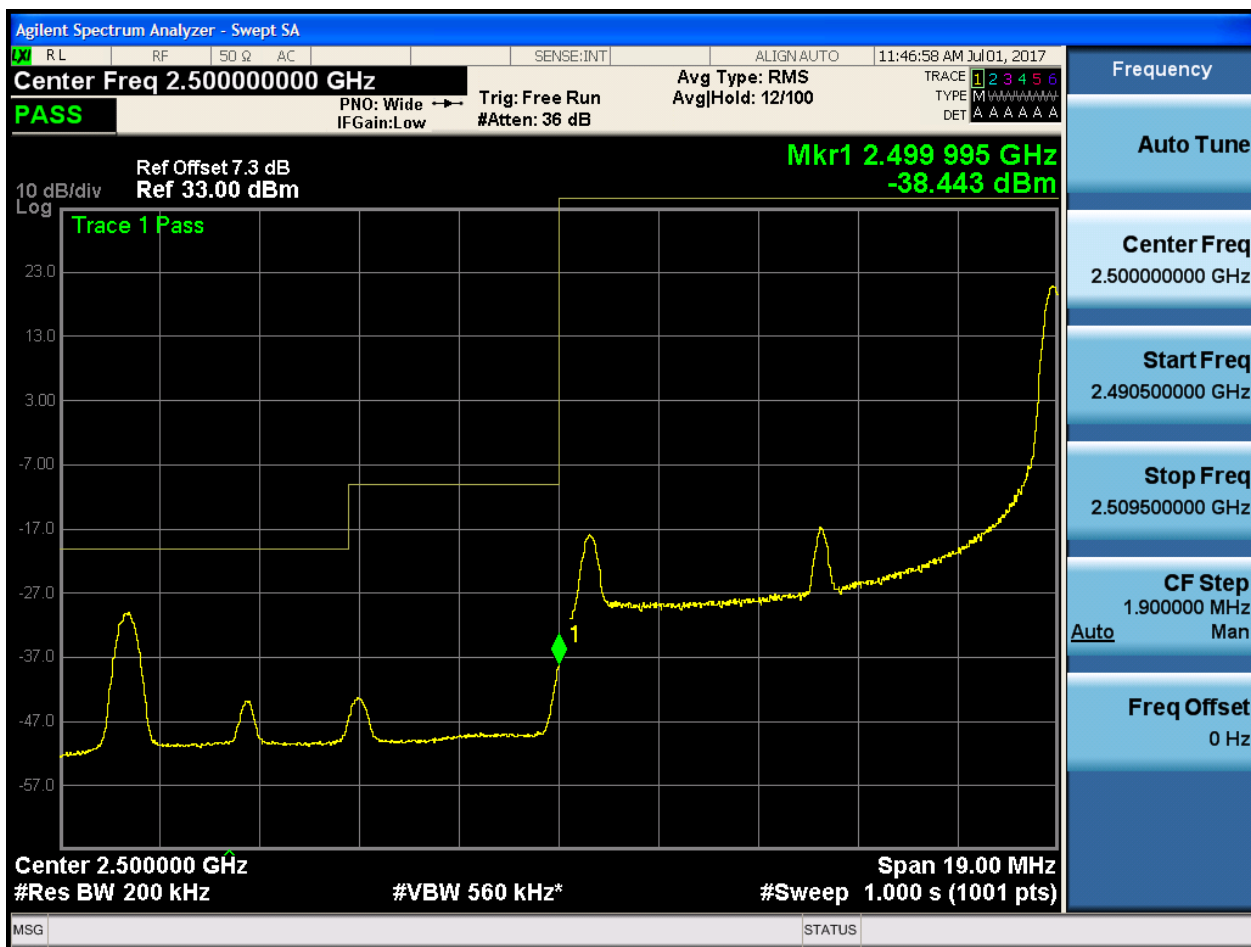
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



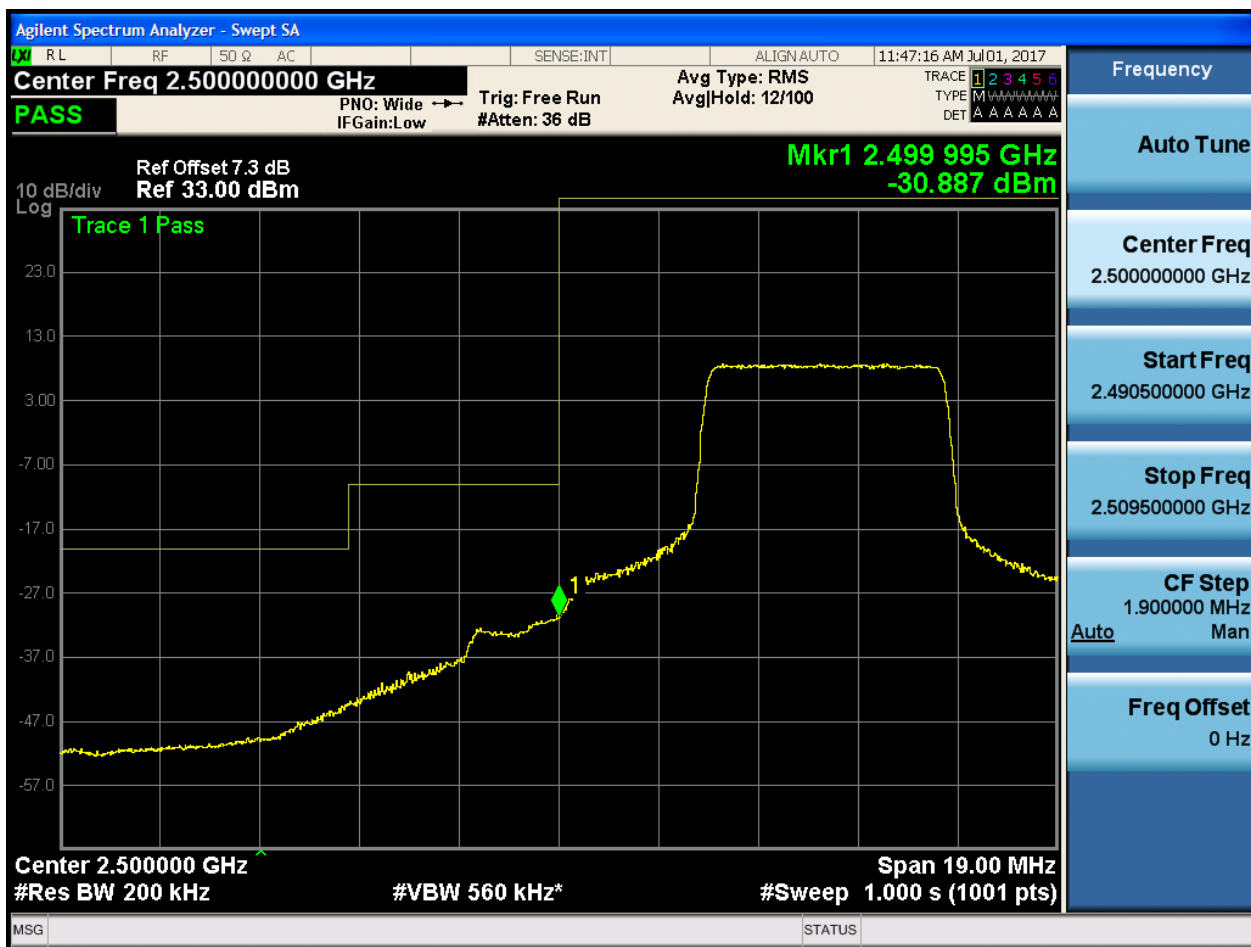


5.1.1.1.2.1.2 Test RB = RB1#49





5.1.1.1.2.1.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:47:34 AM Jul 01, 2017

Center Freq 2.500000000 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 33.00 dBm

Mkr1 2.499 995 GHz
-28.259 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#Res BW 200 kHz #VBW 560 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

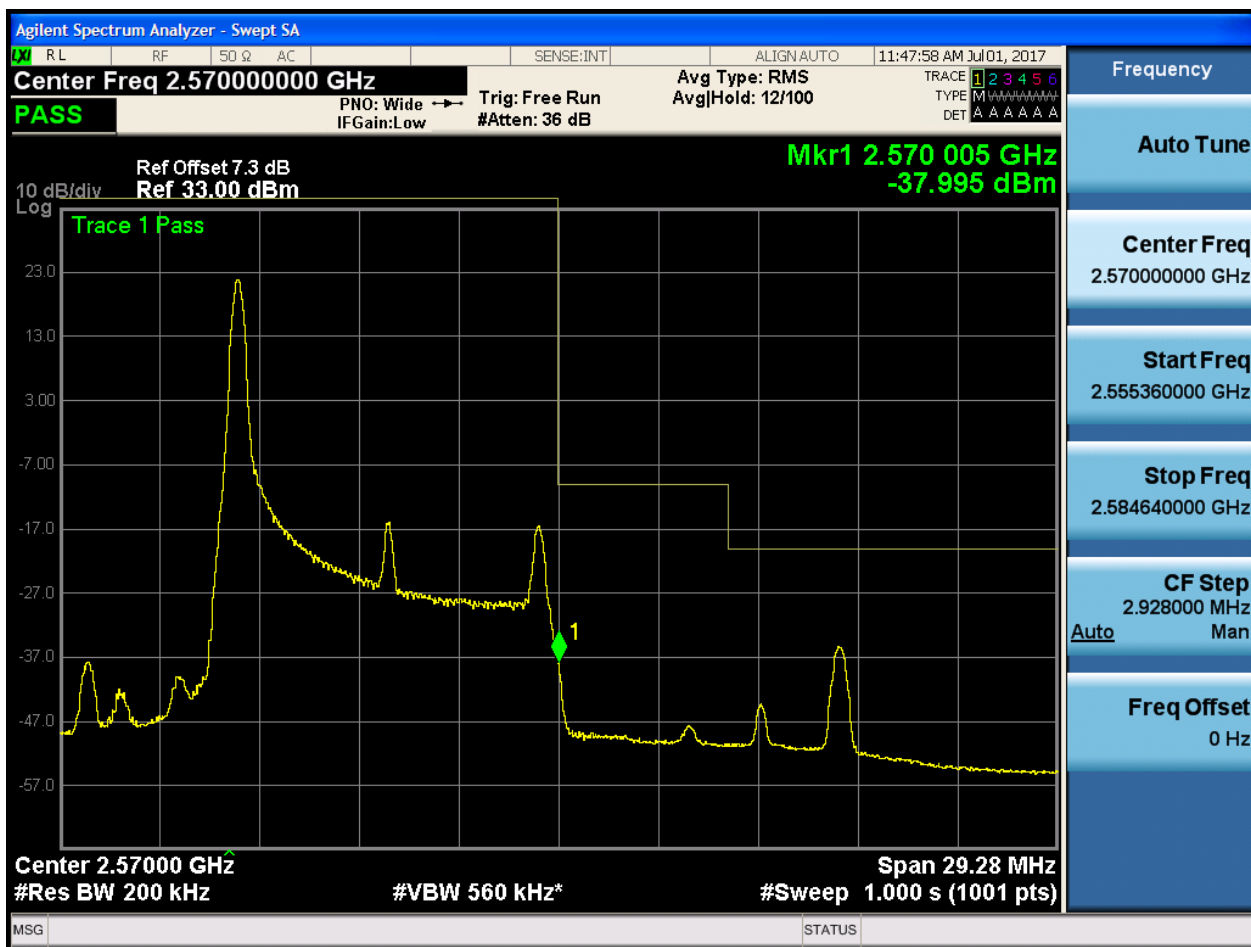
CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



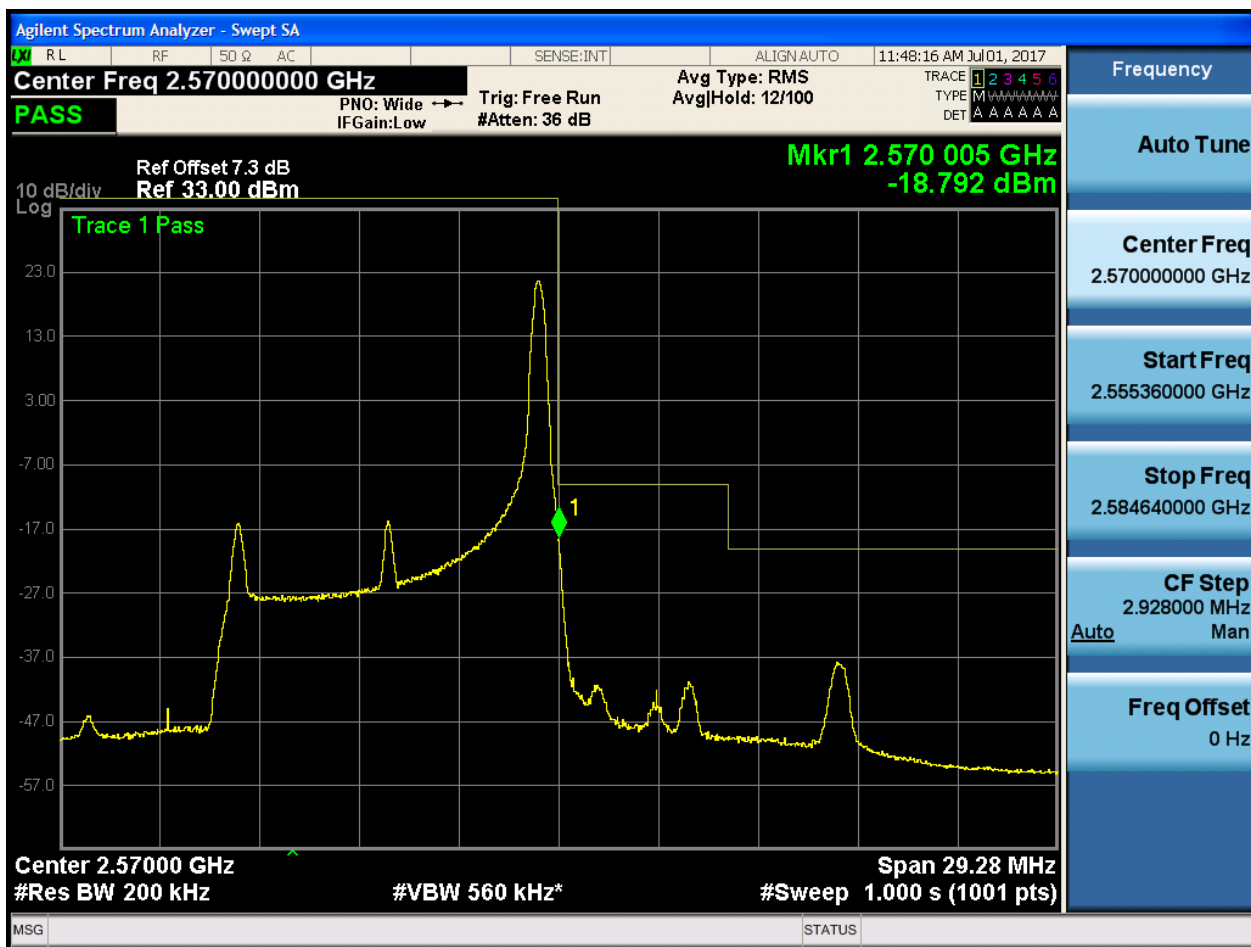
5.1.1.1.2.2 Test Channel = HCH

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 11:48:34 AM Jul 01, 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 W W
 DET A A A A A A A

Ref Offset 7.3 dB Mkr1 2.570 005 GHz
 Ref 33.00 dBm -29.500 dBm

10 dB/div Log

Trace 1 Pass

23.0
13.0
3.00
-7.00
-17.0
-27.0
-37.0
-47.0
-57.0

2.555360000 GHz Start Freq
 2.584640000 GHz Stop Freq
 2.928000 MHz CF Step
 Auto Man
 0 Hz Freq Offset

Center 2.57000 GHz Span 29.28 MHz
 #Res BW 200 kHz #VBW 560 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS



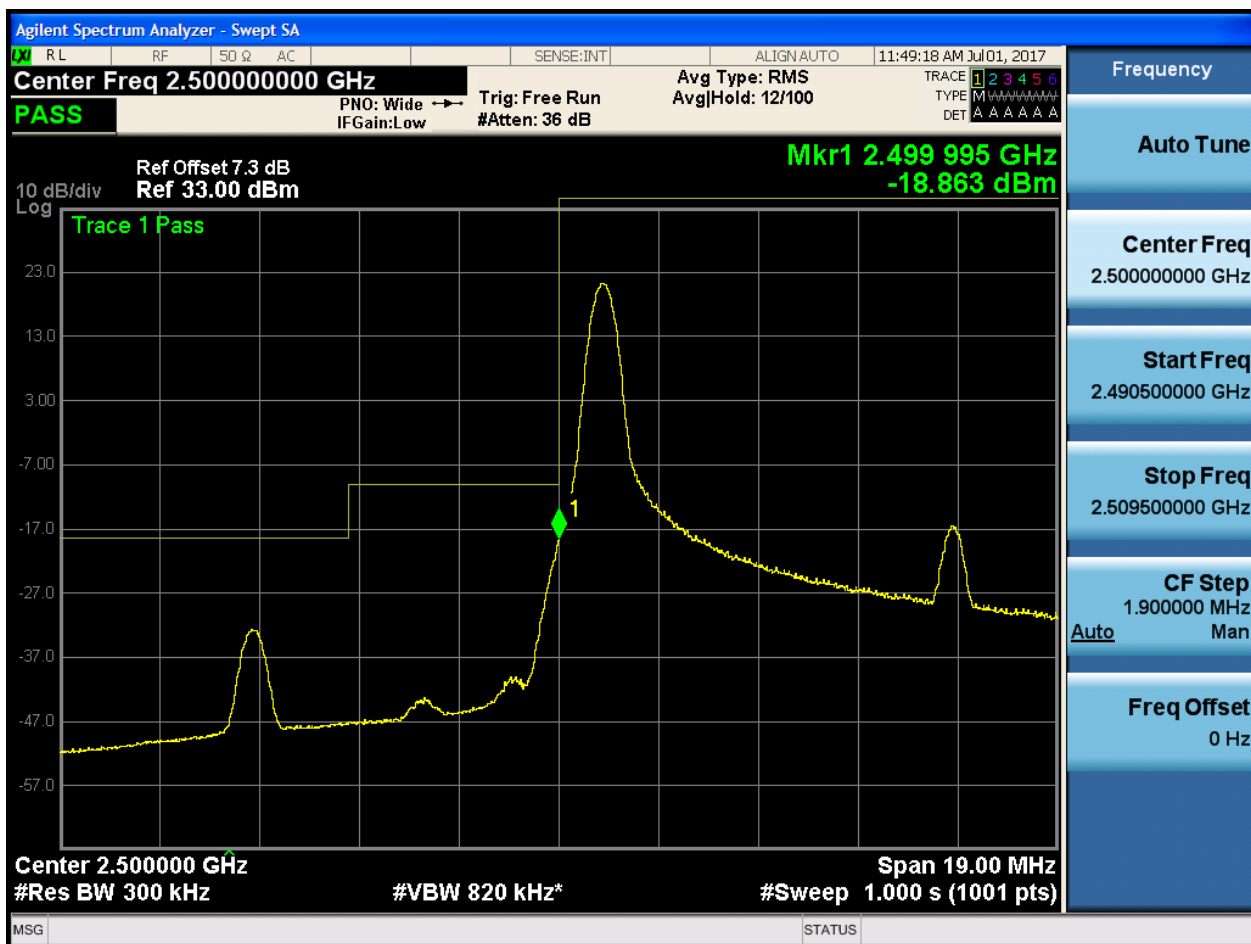
5.1.1.1.2.2.4 Test RB = RB50#0



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





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.500000000 GHz

PASS

Ref Offset 7.3 dB
Ref 33.00 dBm

Mkr1 2.499 995 GHz
-39.946 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz
#Res BW 300 kHz

#VBW 820 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
Man

Auto

Freq Offset
0 Hz



5.1.1.1.3.1.3 Test RB = RB36#18





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:50:13 AM Jul 01, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHld: 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 33.00 dBm

Mkr1 2.499 995 GHz
-28.461 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#Res BW 300 kHz #VBW 820 kHz #Sweep 1.000 s (1001 pts)

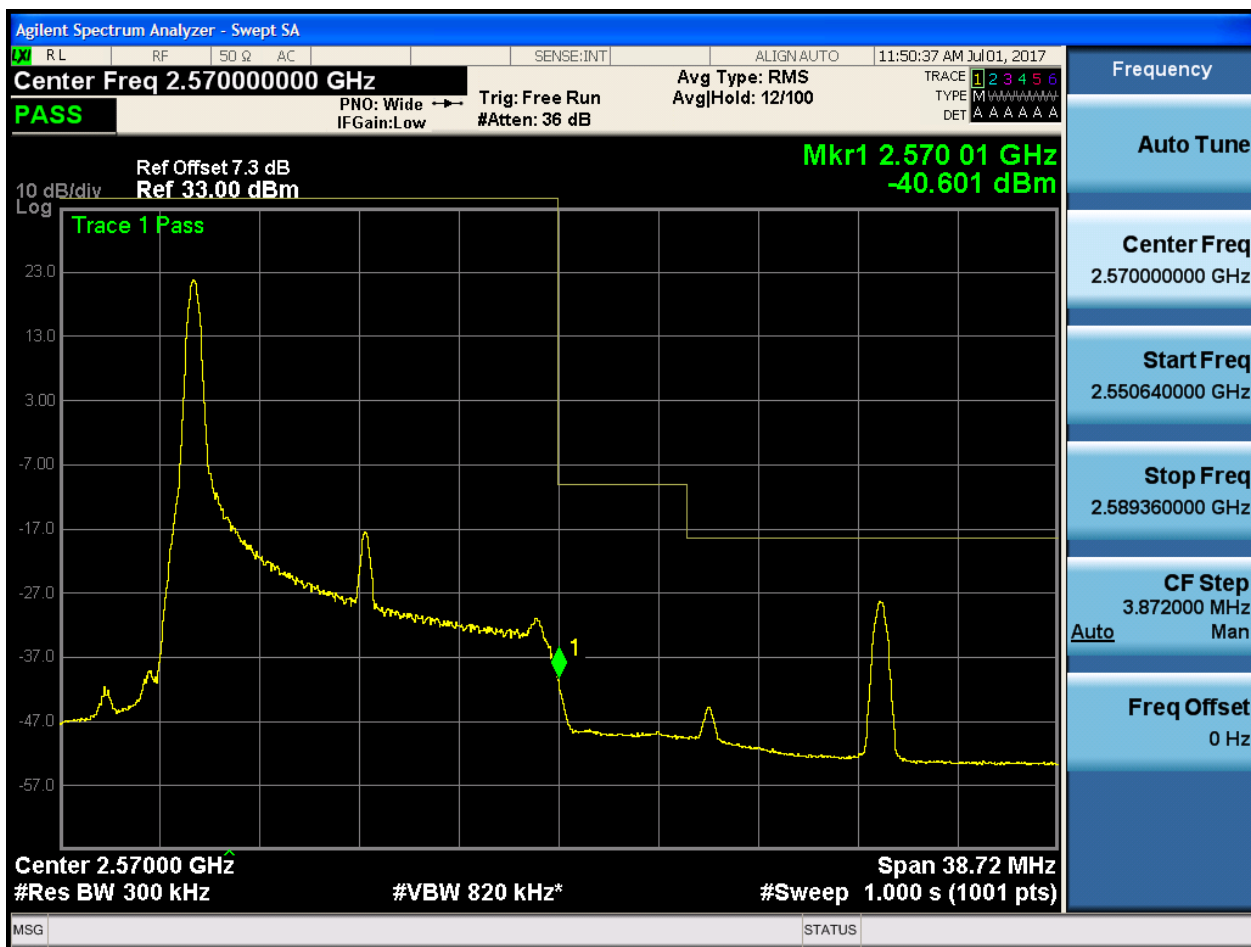
MSG STATUS

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



5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#74





5.1.1.1.3.2.3 Test RB = RB36#18





5.1.1.1.3.2.4 Test RB = RB75#0

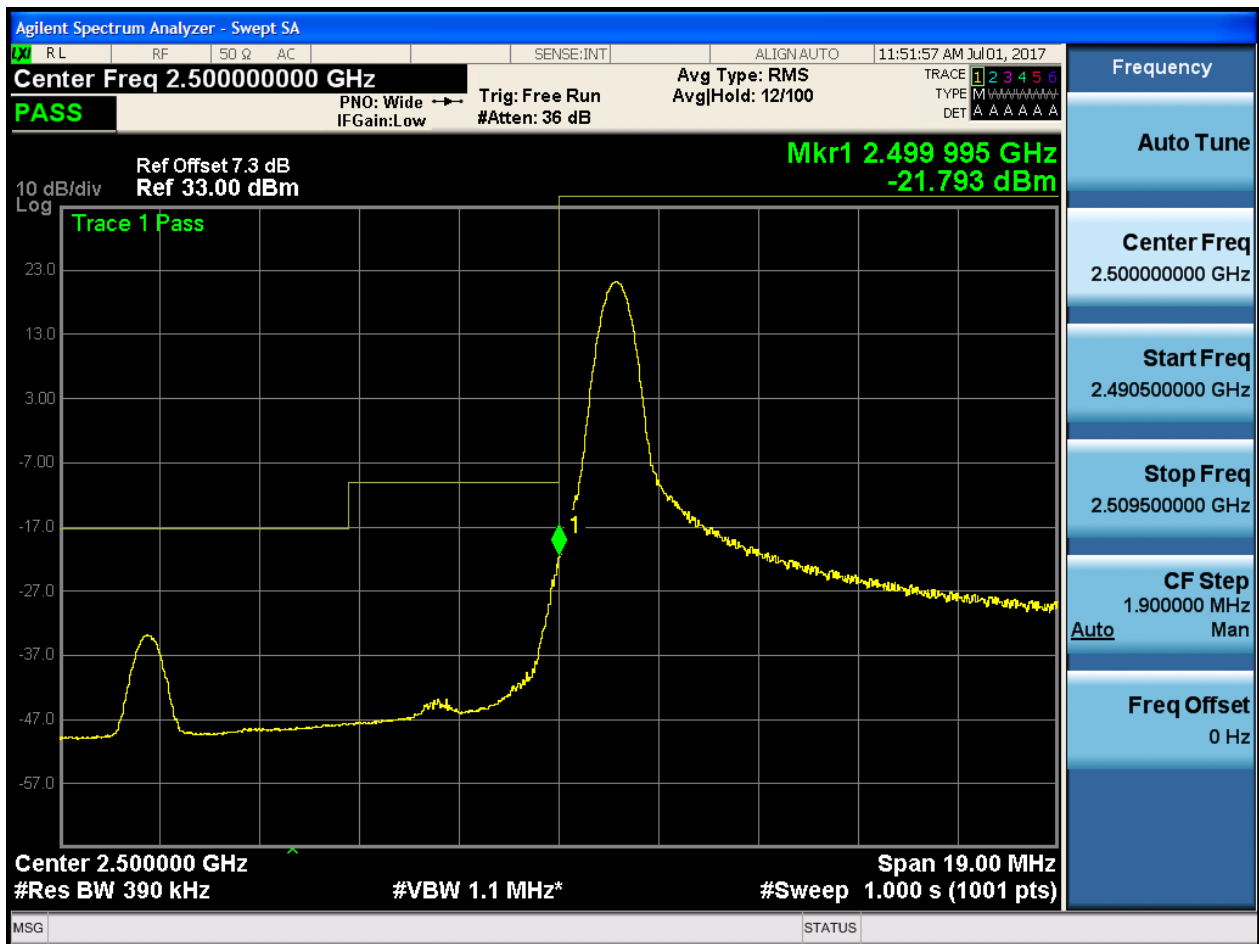




5.1.1.1.4 Test Bandwidth = 20

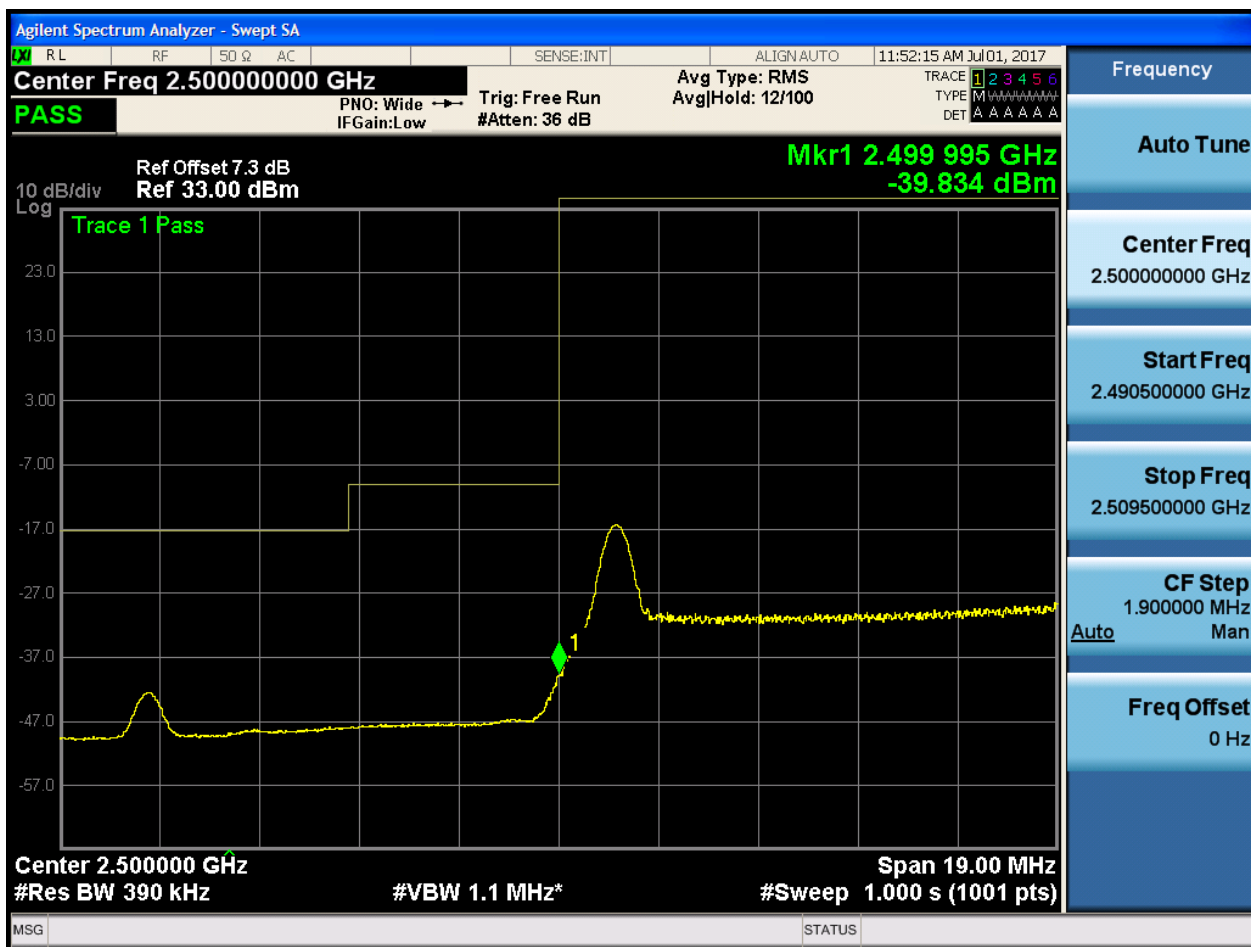
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#99





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.500000000 GHz

PASS

Ref Offset 7.3 dB
Ref 33.00 dBm

10 dB/div
Log

Trace 1 Pass

Mkr1 2.499 995 GHz
-32.047 dBm

Center 2.500000 GHz
#Res BW 390 kHz
#VBW 1.1 MHz*

Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
2.500000000 GHz

Start Freq
2.490500000 GHz

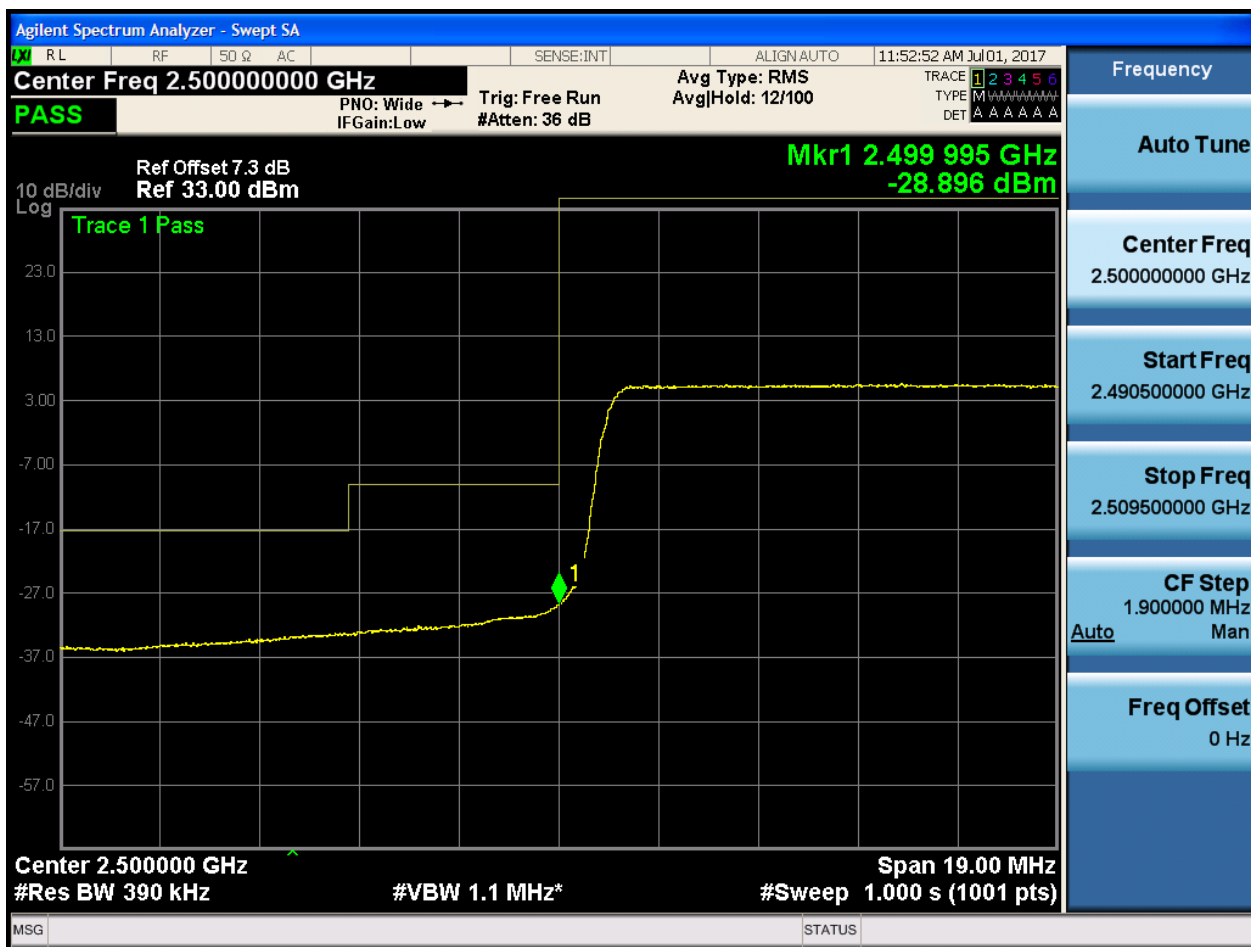
Stop Freq
2.509500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



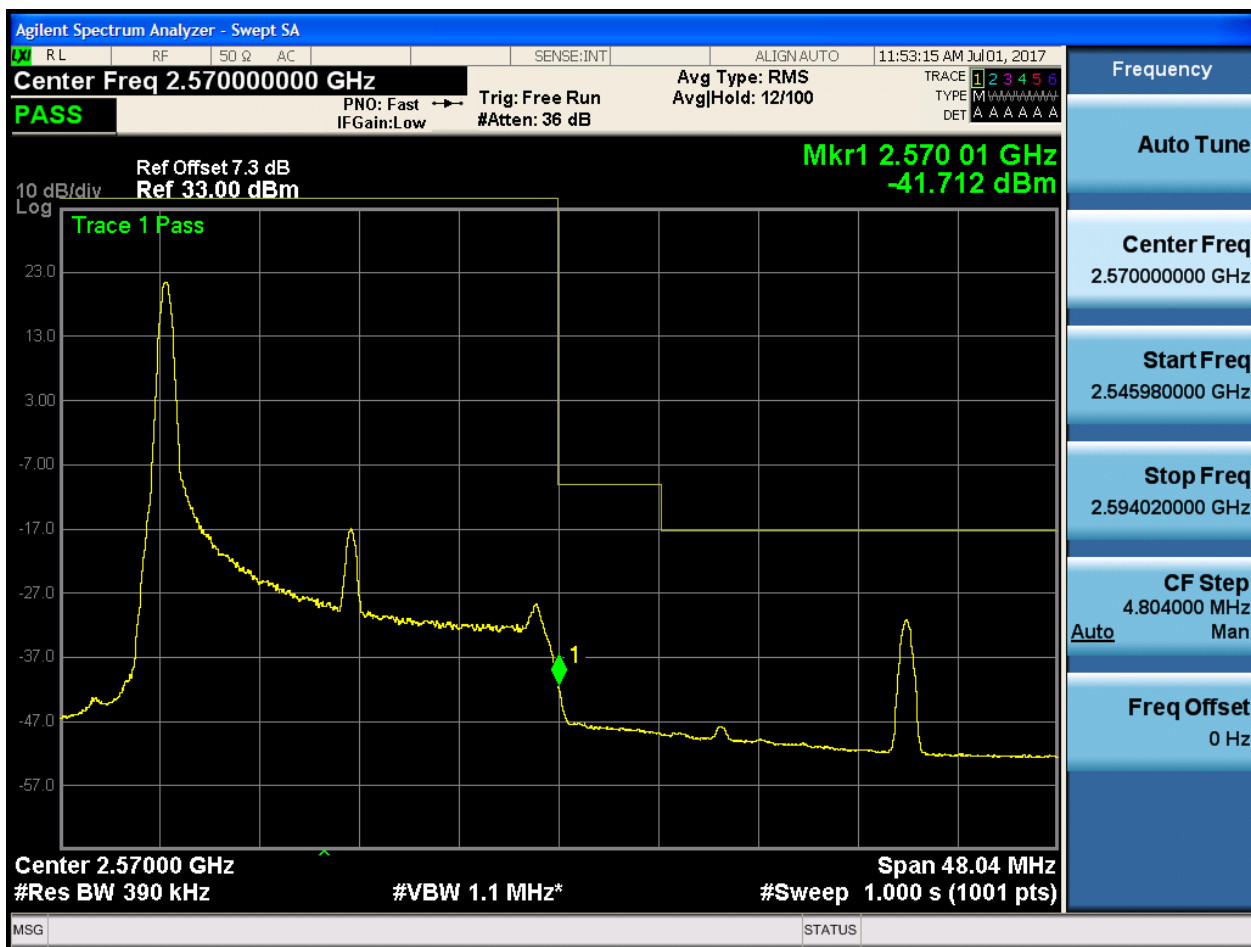
5.1.1.1.4.1.4 Test RB = RB100#0





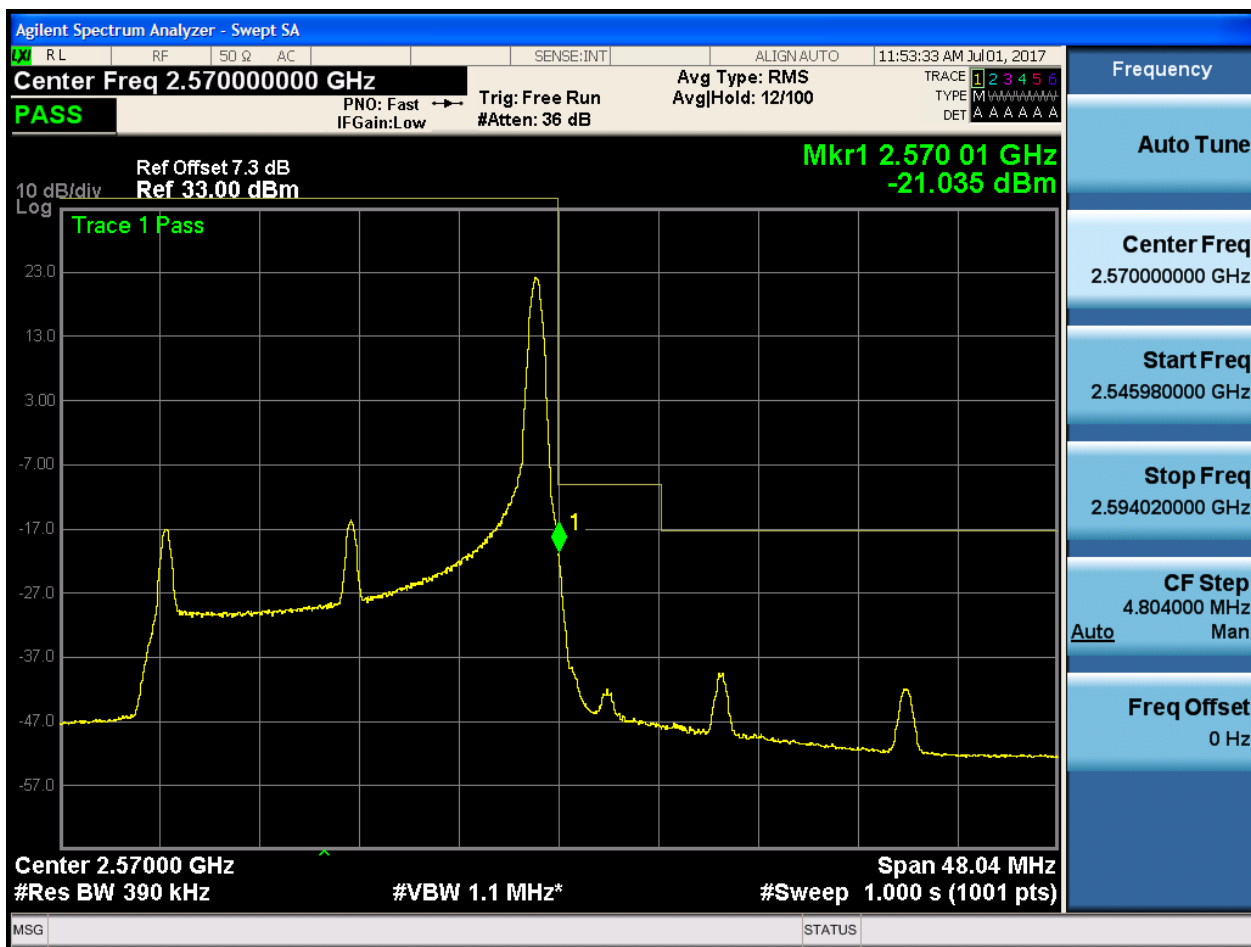
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



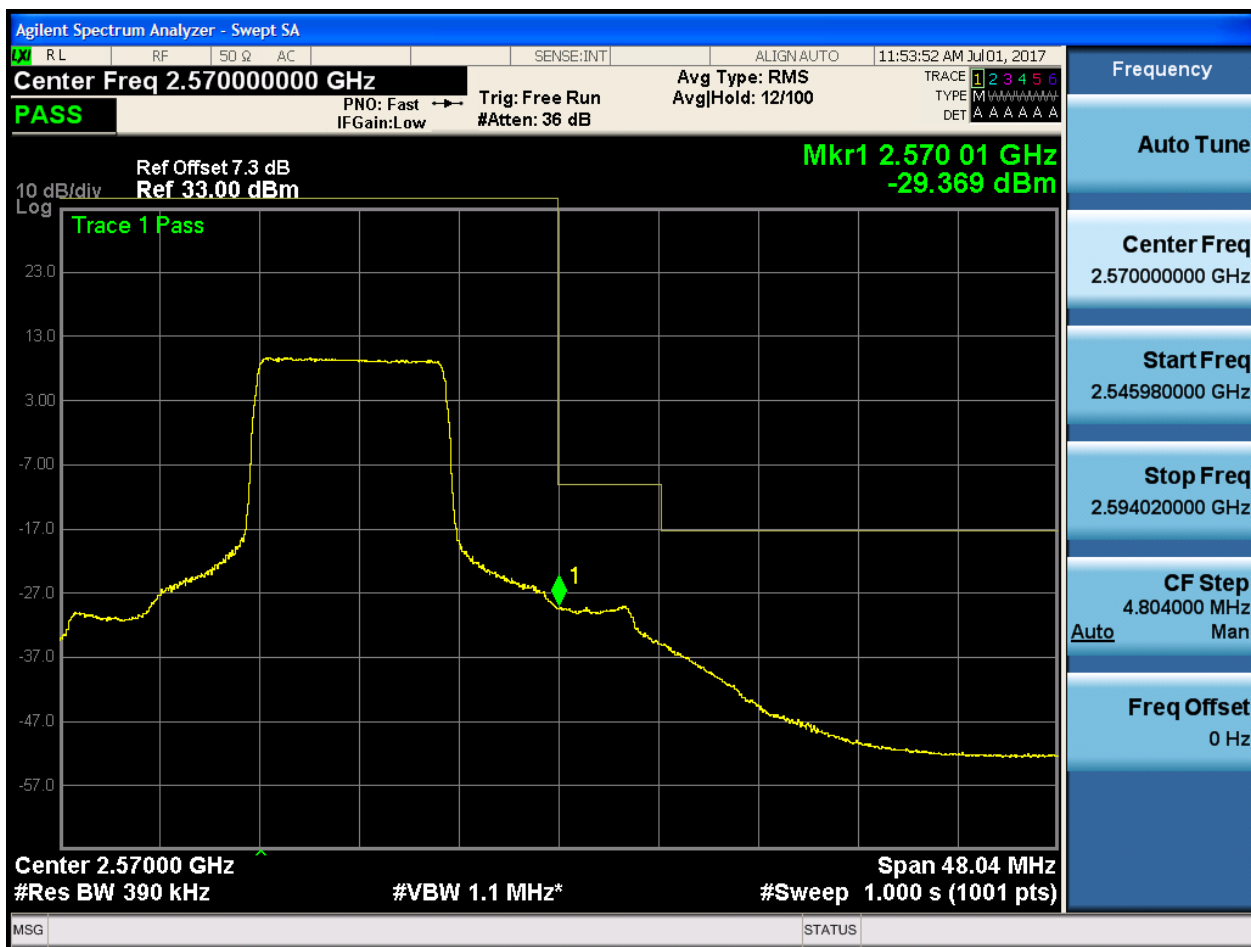


5.1.1.1.4.2.2 Test RB = RB1#99





5.1.1.1.4.2.3 Test RB = RB50#25





5.1.1.1.4.2.4 Test RB = RB100#0



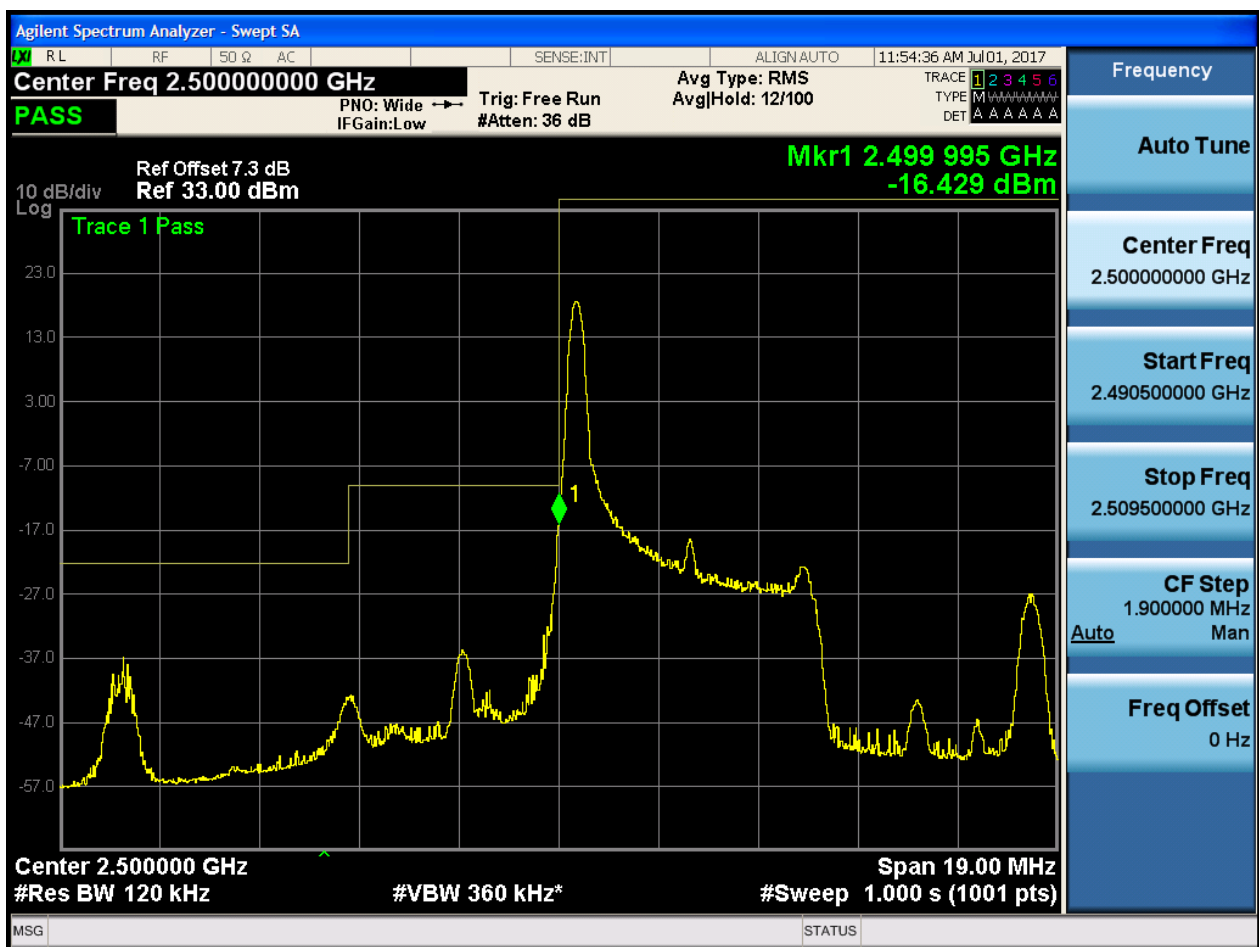


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

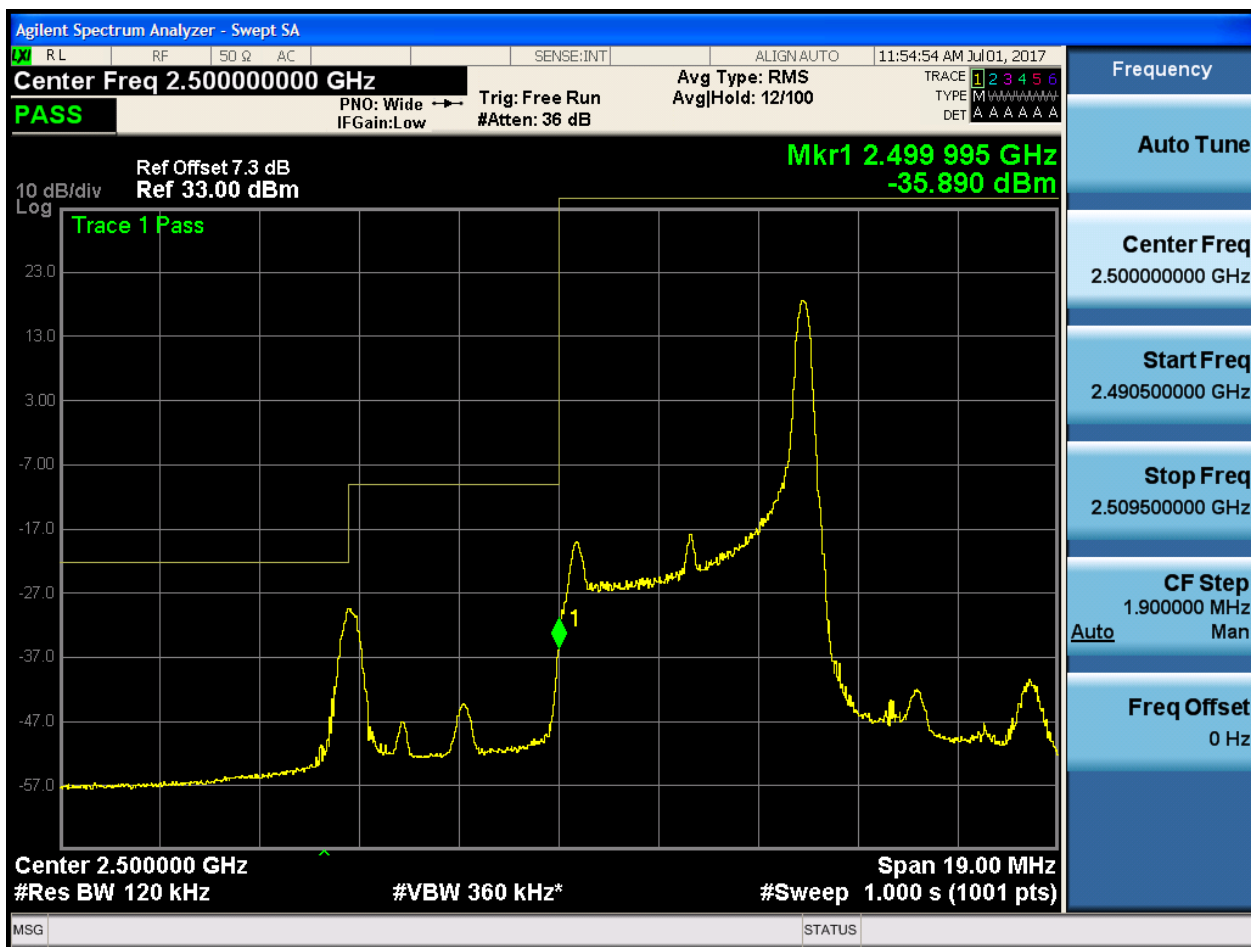
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



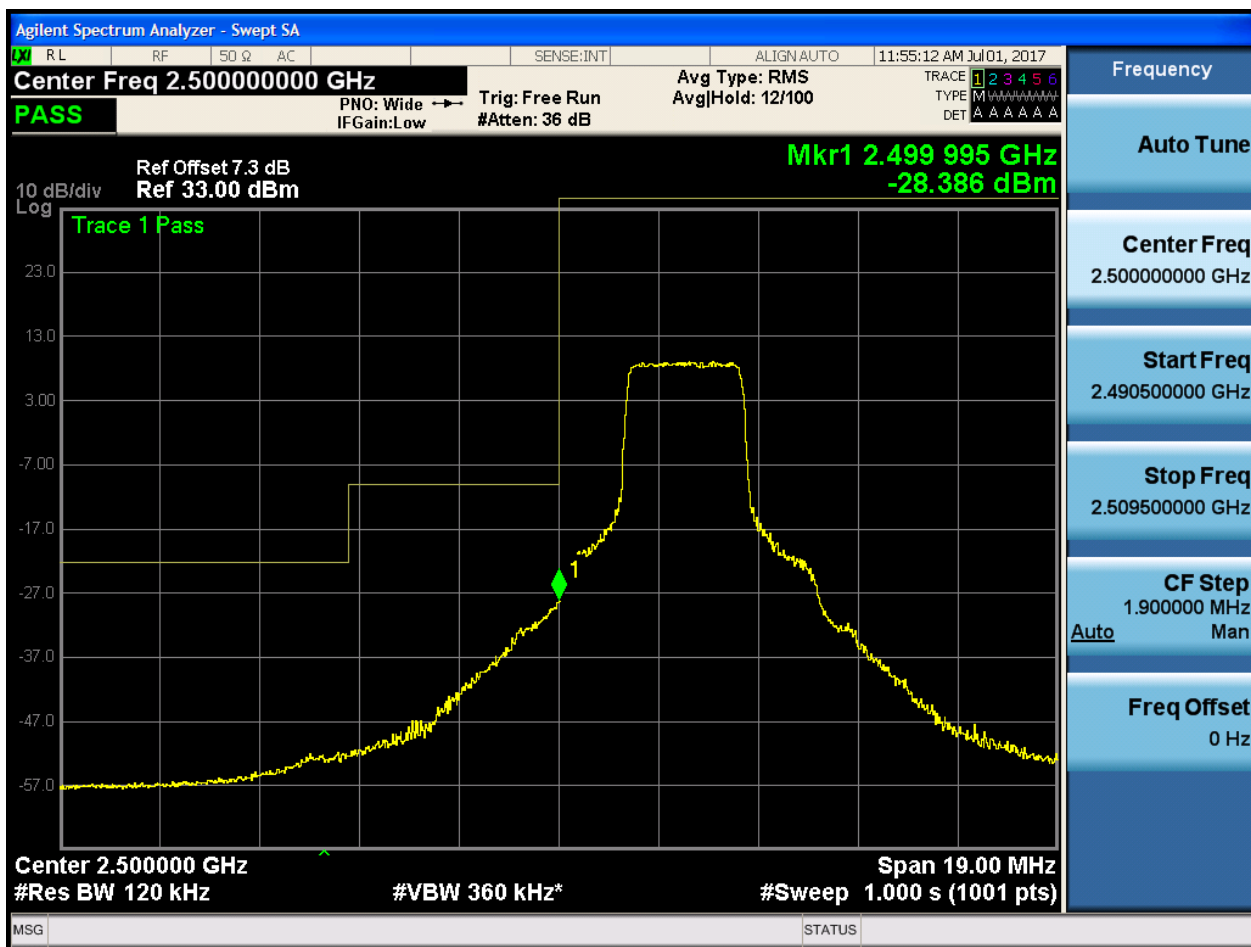


5.1.1.2.1.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6





5.1.1.2.1.1.4 Test RB = RB25#0





5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



5.1.1.2.1.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:56:31 AM Jul 01, 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 33.00 dBm

Mkr1 2.570 005 GHz
-28.078 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



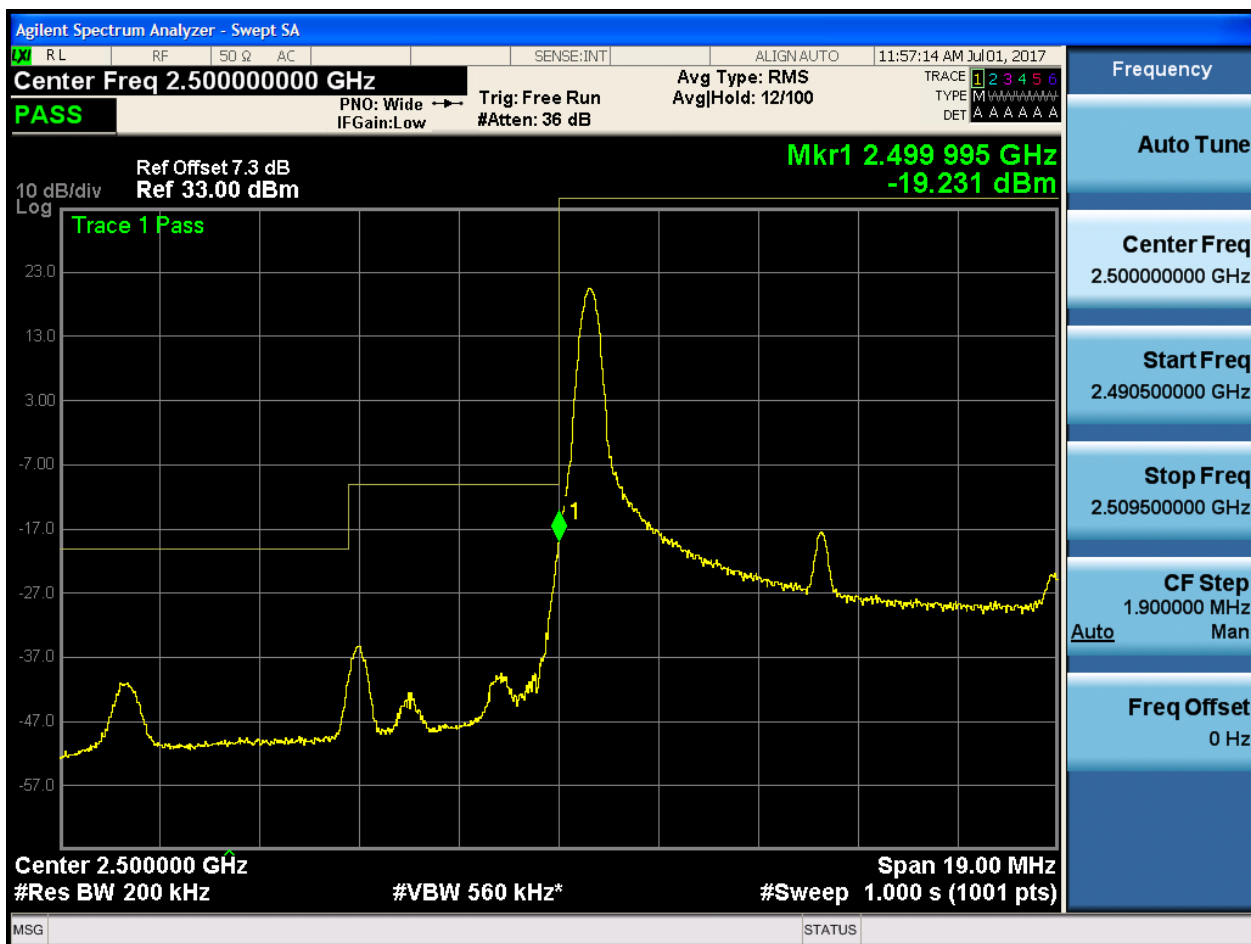
5.1.1.2.1.2.4 Test RB = RB25#0



5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:57:33 AM Jul 01, 2017

Center Freq 2.500000000 GHz Avg Type: RMS
#Res BW 200 kHz #VBW 560 kHz* #Sweep 1.000 s (1001 pts)

PASS PNO: Wide IFGain:Low Trig: Free Run #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 33.00 dBm

Mkr1 2.499 995 GHz
-38.796 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz
#Res BW 200 kHz #VBW 560 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:57:51 AM Jul 01, 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 33.00 dBm

Mkr1 2.499 995 GHz
-30.655 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz
#Res BW 200 kHz #VBW 560 kHz* Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



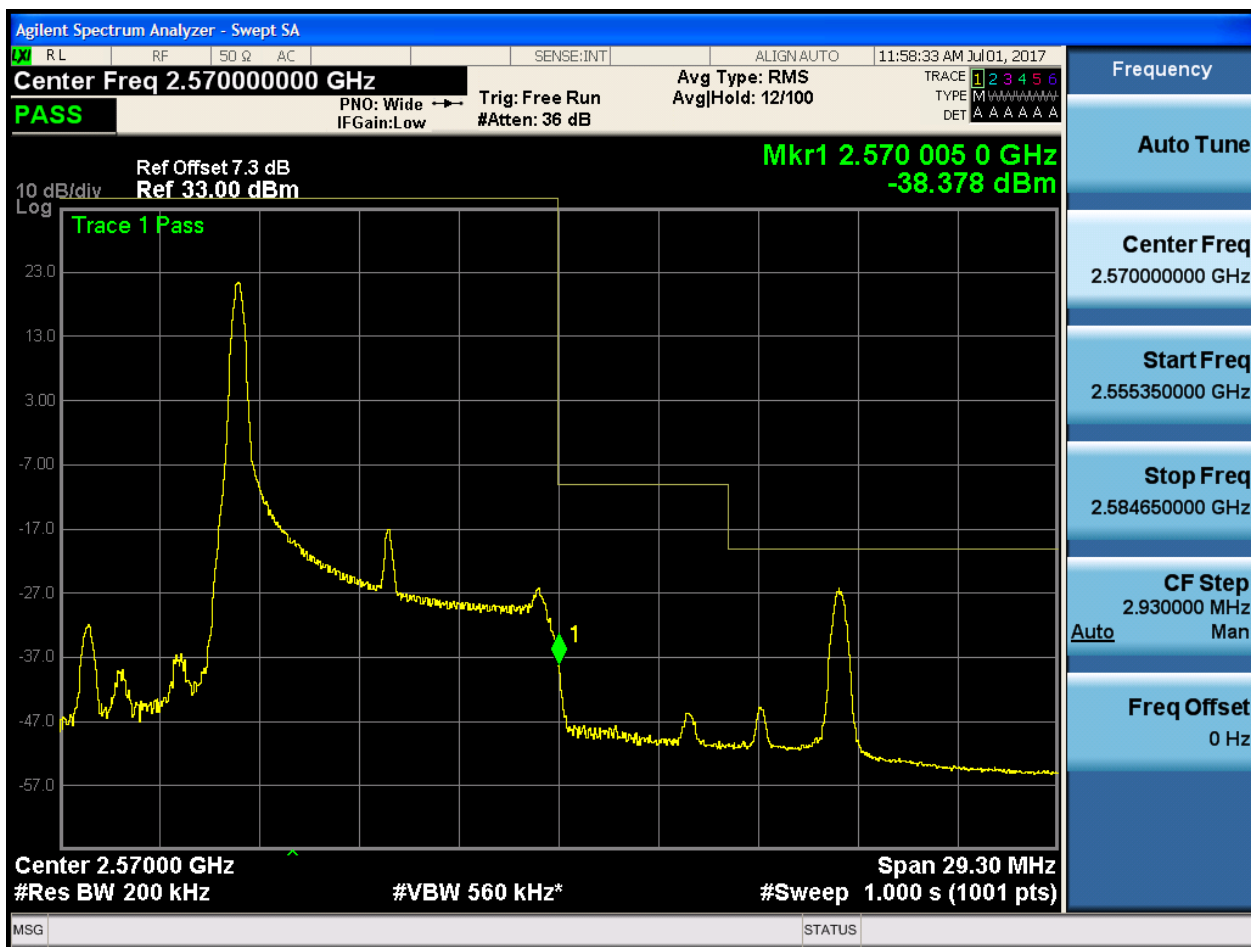
5.1.1.2.2.1.4 Test RB = RB50#0





5.1.1.2.2.2 Test Channel = HCH

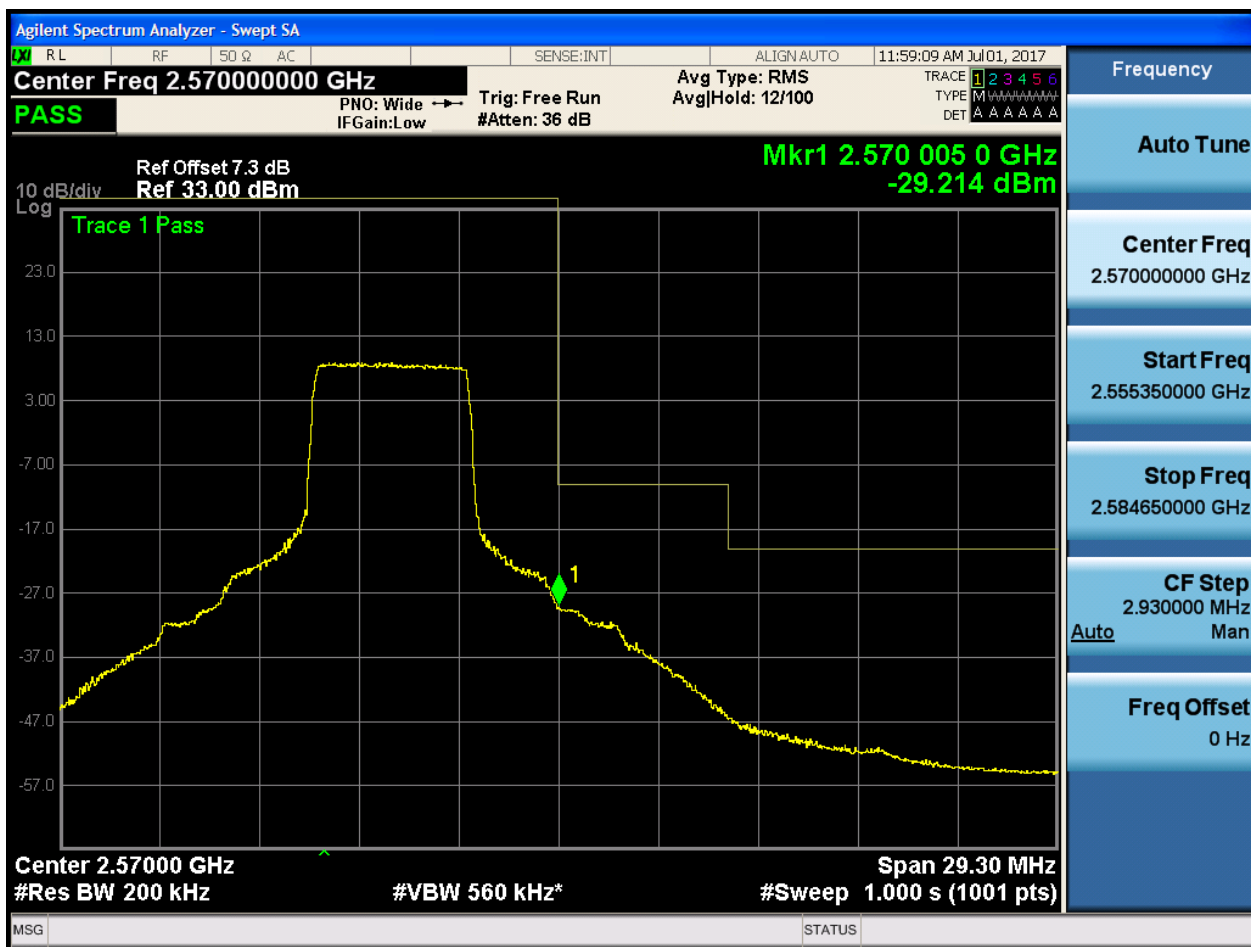
5.1.1.2.2.2.1 Test RB = RB1#0



5.1.1.2.2.2.2 Test RB = RB1#49

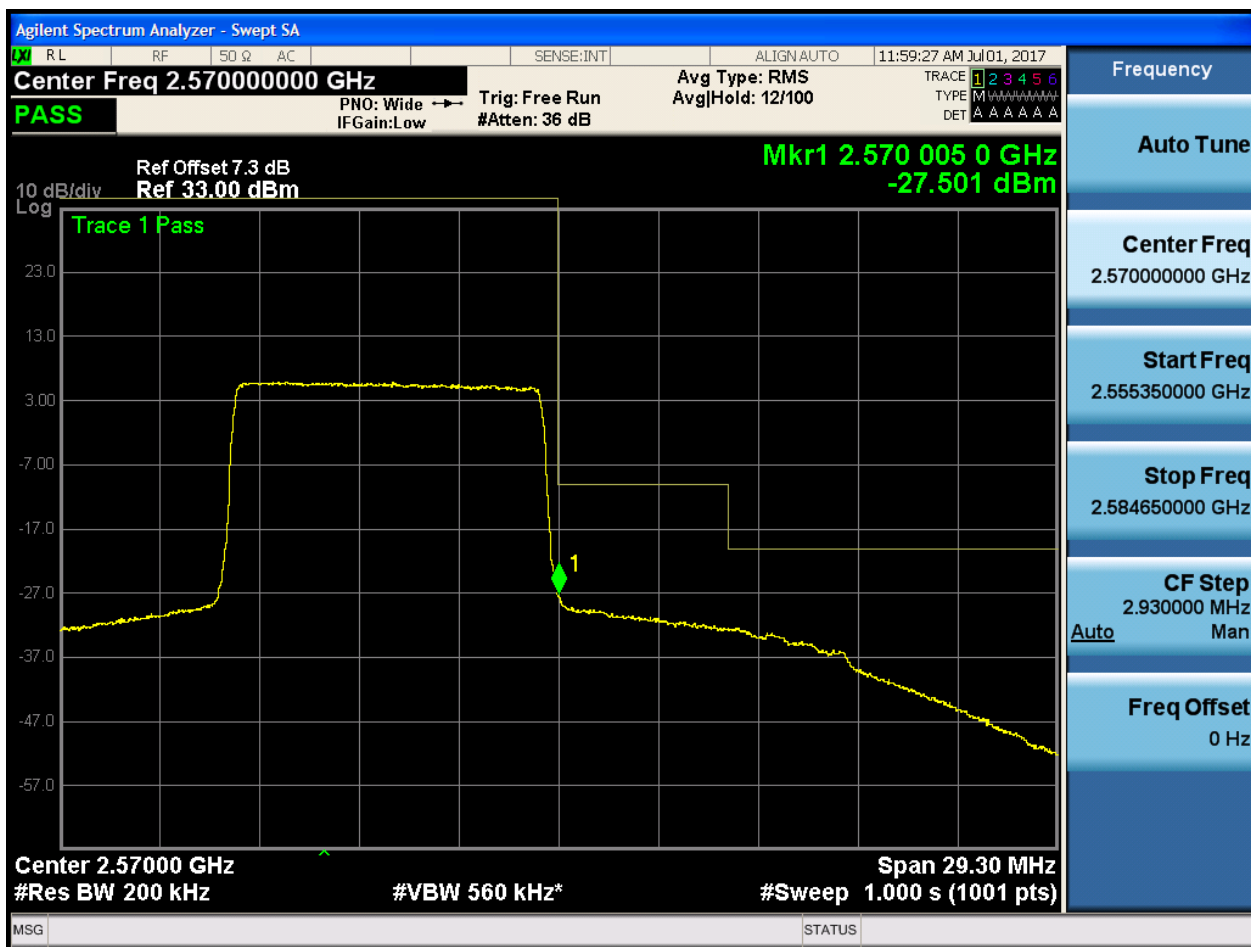


5.1.1.2.2.2.3 Test RB = RB25#13





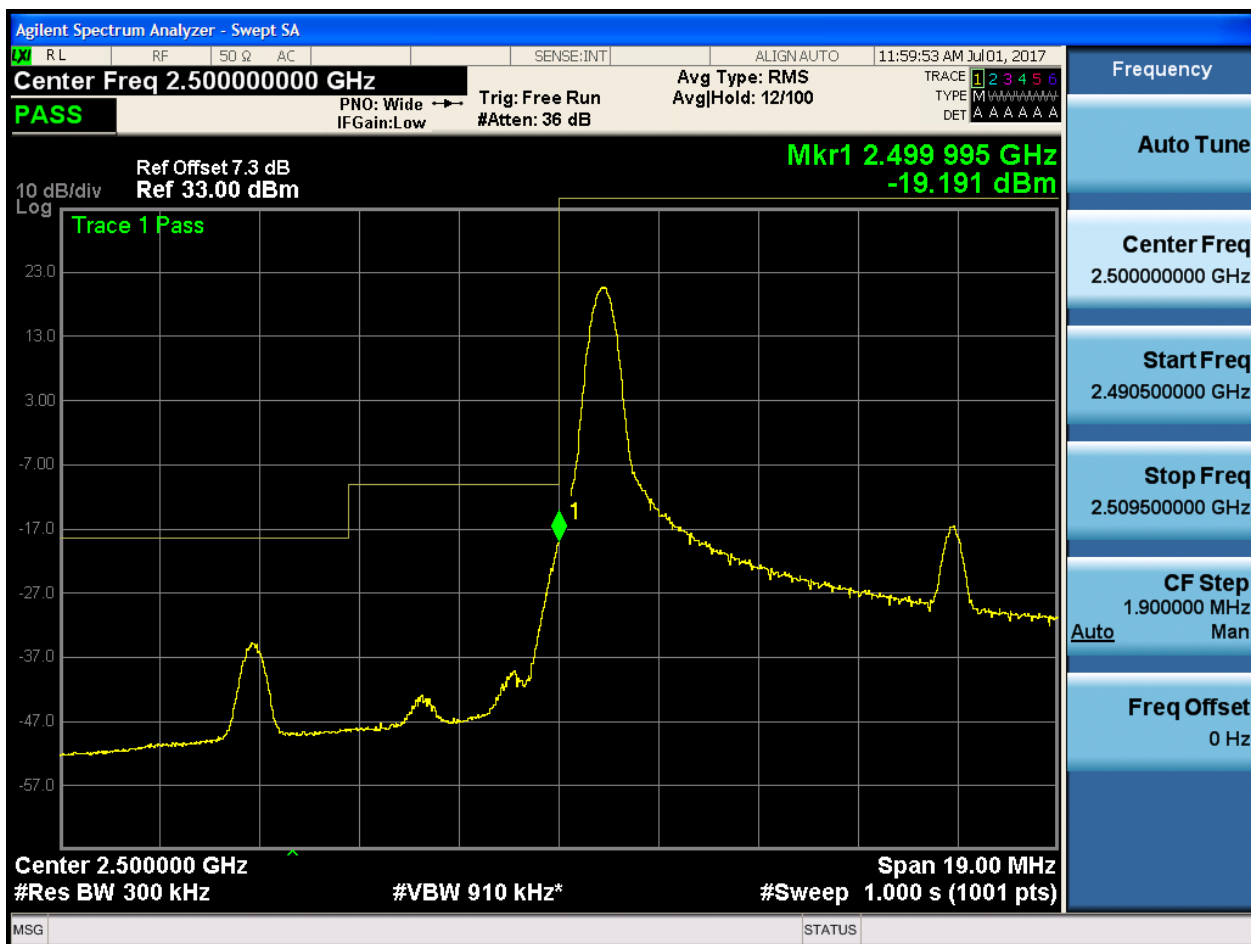
5.1.1.2.2.4 Test RB = RB50#0



5.1.1.2.3 Test Bandwidth = 15

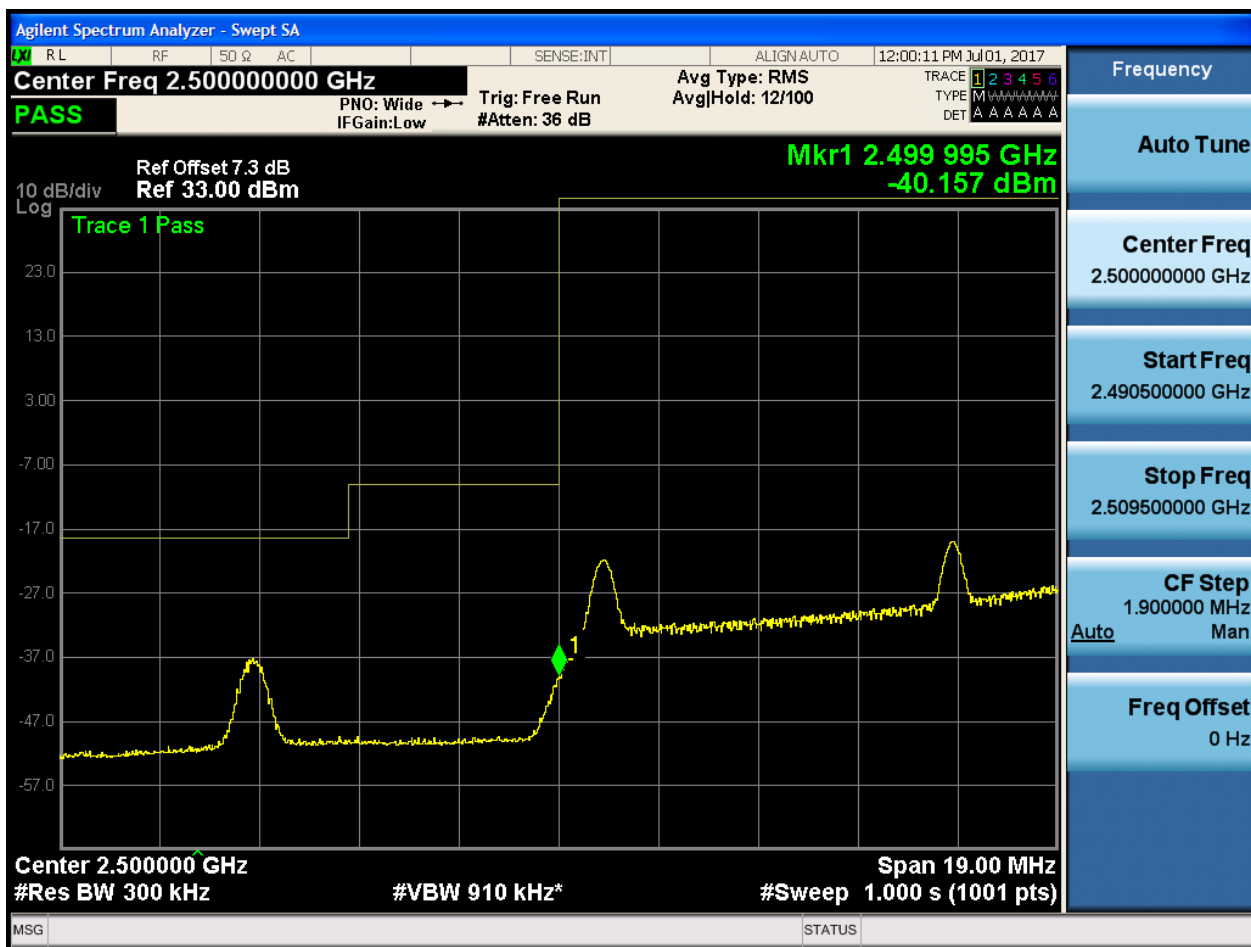
5.1.1.2.3.1 Test Channel = LCH

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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:00:30 PM Jul 01, 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 33.00 dBm

Mkr1 2.499 995 GHz
-30.310 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.500000 GHz
#Res BW 300 kHz

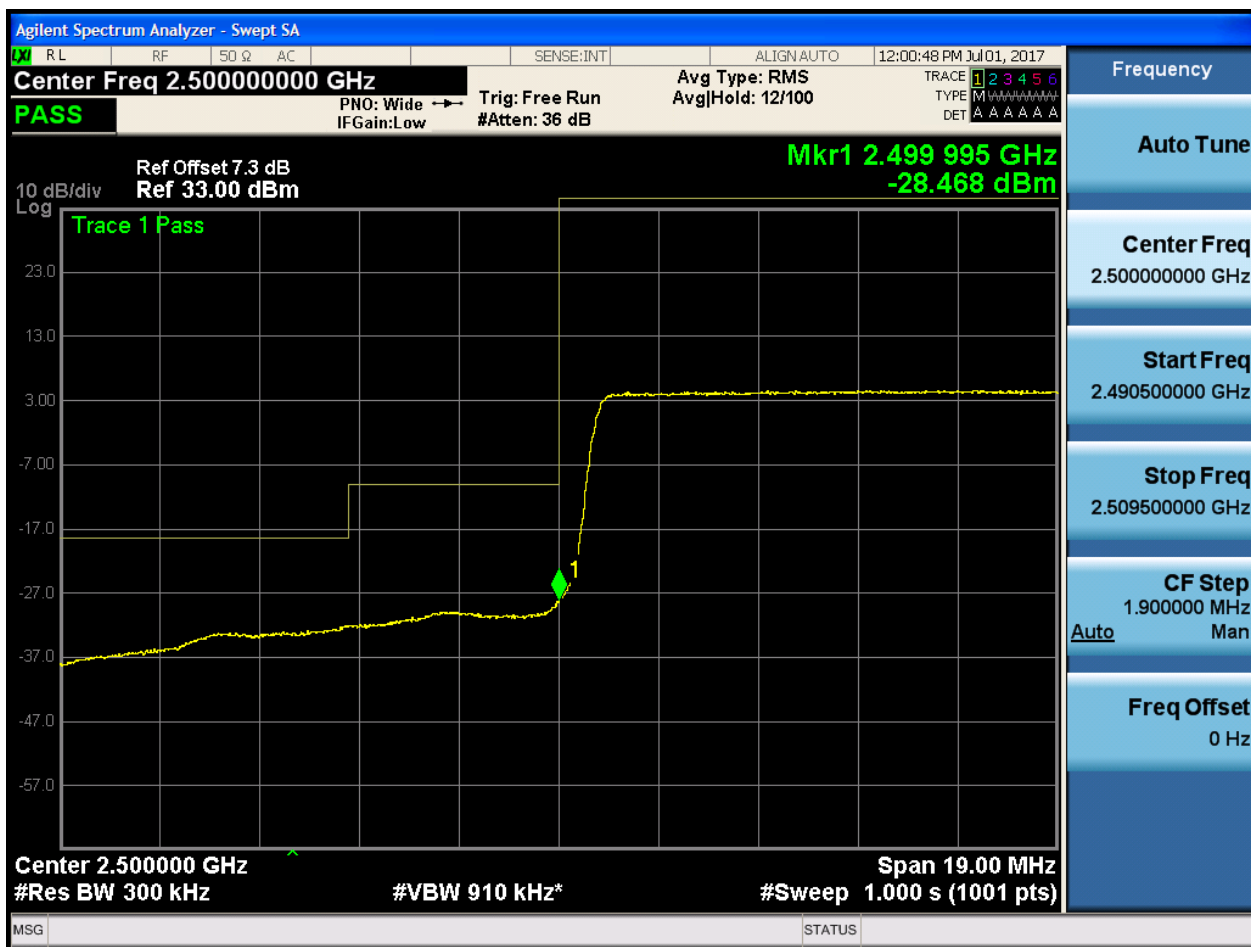
#VBW 910 kHz

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
Auto Man
Freq Offset
0 Hz



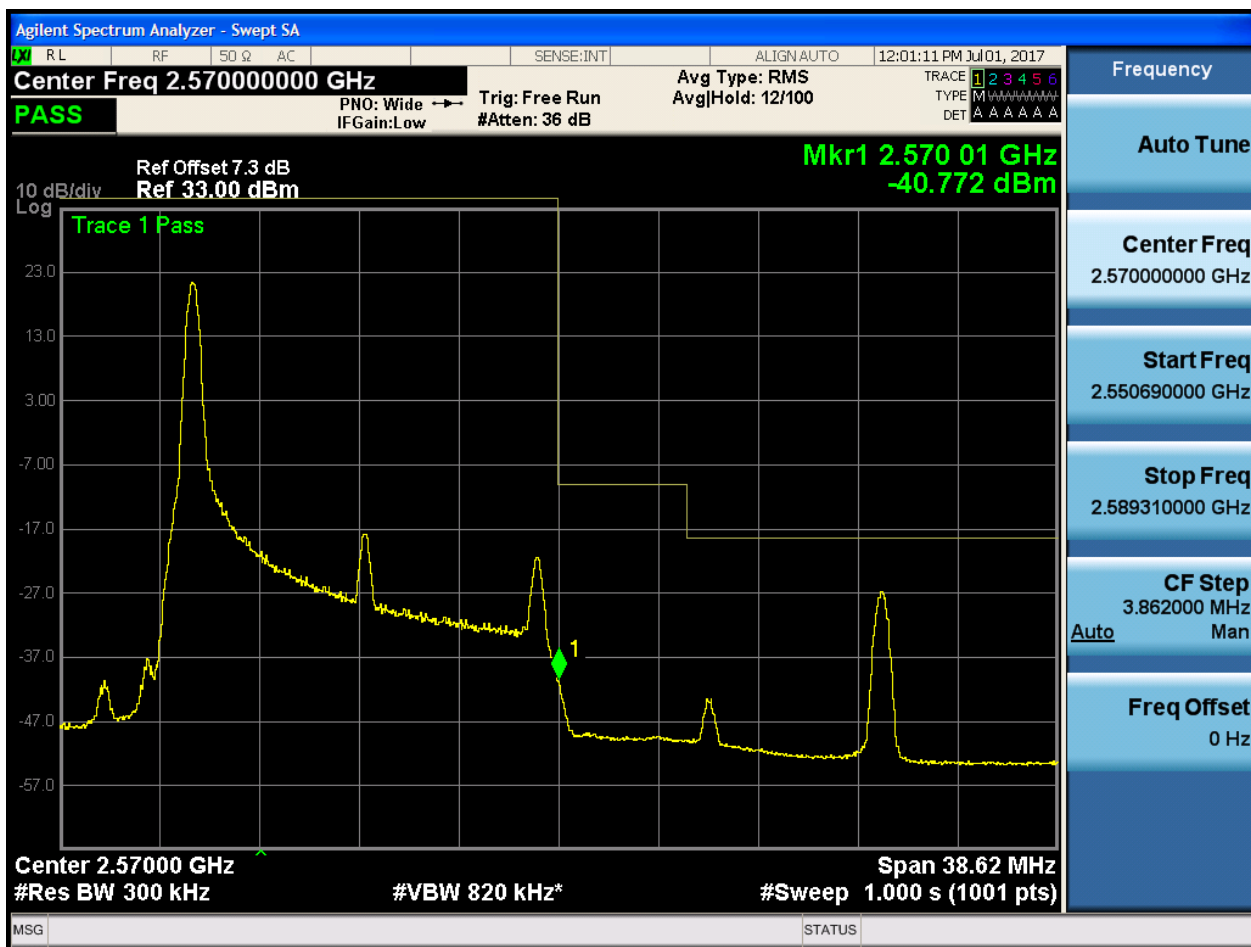
5.1.1.2.3.1.4 Test RB = RB75#0





5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





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 12:01:48 PM Jul 01, 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 33.00 dBm

Mkr1 2.570 01 GHz
-29.925 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.57000 GHz
#Res BW 300 kHz #VBW 820 kHz* Span 38.62 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq 2.570000000 GHz
Start Freq 2.550690000 GHz
Stop Freq 2.589310000 GHz
CF Step 3.862000 MHz Auto Man
Freq Offset 0 Hz



5.1.1.2.3.2.4 Test RB = RB75#0

