



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
BAND38	LTE/TM1	5	LCH	RB1#0	23.34	22.35	33	PASS
				RB1#13	23.33	22.34	33	PASS
				RB1#24	23.26	22.27	33	PASS
				RB12#0	22.53	21.54	33	PASS
				RB12#6	22.51	21.52	33	PASS
				RB12#13	22.43	21.44	33	PASS
				RB25#0	22.45	21.46	33	PASS
			MCH	RB1#0	23.62	22.63	33	PASS
				RB1#13	23.6	22.61	33	PASS
				RB1#24	23.62	22.63	33	PASS
				RB12#0	22.58	21.59	33	PASS
				RB12#6	22.58	21.59	33	PASS
				RB12#13	22.56	21.57	33	PASS
				RB25#0	22.58	21.59	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.3	22.31	33	PASS
				RB1#13	23.28	22.29	33	PASS
				RB1#24	23.23	22.24	33	PASS
				RB12#0	22.35	21.36	33	PASS
				RB12#6	22.33	21.34	33	PASS
				RB12#13	22.34	21.35	33	PASS
				RB25#0	22.23	21.24	33	PASS
		10	LCH	RB1#0	23.14	22.15	33	PASS
				RB1#25	22.98	21.99	33	PASS
				RB1#49	23.11	22.12	33	PASS
				RB25#0	22.28	21.29	33	PASS
				RB25#13	22.21	21.22	33	PASS
				RB25#25	22.25	21.26	33	PASS
				RB50#0	22.24	21.25	33	PASS
			MCH	RB1#0	23.51	22.52	33	PASS
				RB1#25	23.51	22.52	33	PASS
				RB1#49	23.48	22.49	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.55	21.56	33	PASS
				RB25#13	22.61	21.62	33	PASS
				RB25#25	22.53	21.54	33	PASS
				RB50#0	22.53	21.54	33	PASS
			HCH	RB1#0	23.4	22.41	33	PASS
				RB1#25	23.43	22.44	33	PASS
				RB1#49	23.31	22.32	33	PASS
				RB25#0	22.27	21.28	33	PASS
				RB25#13	22.28	21.29	33	PASS
				RB25#25	22.26	21.27	33	PASS
				RB50#0	22.31	21.32	33	PASS
		15	LCH	RB1#0	23.15	22.16	33	PASS
				RB1#38	23.1	22.11	33	PASS
				RB1#74	23.19	22.2	33	PASS
				RB36#0	22.24	21.25	33	PASS
				RB36#18	22.21	21.22	33	PASS
				RB36#39	22.23	21.24	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB75#0	22.23	21.24	33	PASS
			MCH	RB1#0	23.06	22.07	33	PASS
				RB1#38	23.25	22.26	33	PASS
				RB1#74	23.15	22.16	33	PASS
				RB36#0	22.25	21.26	33	PASS
				RB36#18	22.29	21.3	33	PASS
				RB36#39	22.28	21.29	33	PASS
				RB75#0	22.29	21.3	33	PASS
			HCH	RB1#0	23.24	22.25	33	PASS
				RB1#38	23.31	22.32	33	PASS
				RB1#74	23.26	22.27	33	PASS
				RB36#0	22.38	21.39	33	PASS
				RB36#18	22.29	21.3	33	PASS
				RB36#39	22.34	21.35	33	PASS
				RB75#0	22.33	21.34	33	PASS
		20	LCH	RB1#0	23.24	22.25	33	PASS
				RB1#50	22.91	21.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	23.3	22.31	33	PASS
				RB50#0	22.28	21.29	33	PASS
				RB50#25	22.17	21.18	33	PASS
				RB50#50	22.18	21.19	33	PASS
				RB100#0	22.27	21.28	33	PASS
			MCH	RB1#0	23.34	22.35	33	PASS
				RB1#50	23.22	22.23	33	PASS
				RB1#99	23.24	22.25	33	PASS
				RB50#0	22.25	21.26	33	PASS
				RB50#25	22.28	21.29	33	PASS
				RB50#50	22.32	21.33	33	PASS
				RB100#0	22.27	21.28	33	PASS
			HCH	RB1#0	23.47	22.48	33	PASS
				RB1#50	23.14	22.15	33	PASS
				RB1#99	23.49	22.5	33	PASS
				RB50#0	22.43	21.44	33	PASS
				RB50#25	22.34	21.35	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	22.37	21.38	33	PASS
				RB100#0	22.43	21.44	33	PASS
	LTE/TM2	5	LCH	RB1#0	22.34	21.35	33	PASS
				RB1#13	22.38	21.39	33	PASS
				RB1#24	22.29	21.3	33	PASS
				RB12#0	21.32	20.33	33	PASS
				RB12#6	21.34	20.35	33	PASS
				RB12#13	21.27	20.28	33	PASS
				RB25#0	21.23	20.24	33	PASS
			MCH	RB1#0	22.8	21.81	33	PASS
				RB1#13	22.87	21.88	33	PASS
				RB1#24	22.8	21.81	33	PASS
				RB12#0	21.44	20.45	33	PASS
				RB12#6	21.43	20.44	33	PASS
				RB12#13	21.52	20.53	33	PASS
				RB25#0	21.47	20.48	33	PASS
			HCH	RB1#0	22.91	21.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.94	21.95	33	PASS
				RB1#24	22.9	21.91	33	PASS
				RB12#0	21.39	20.4	33	PASS
				RB12#6	21.31	20.32	33	PASS
				RB12#13	21.34	20.35	33	PASS
				RB25#0	21.3	20.31	33	PASS
		10	LCH	RB1#0	22.41	21.42	33	PASS
				RB1#25	21.93	20.94	33	PASS
				RB1#49	22.47	21.48	33	PASS
				RB25#0	21.34	20.35	33	PASS
				RB25#13	21.34	20.35	33	PASS
				RB25#25	21.3	20.31	33	PASS
				RB50#0	21.43	20.44	33	PASS
			MCH	RB1#0	22.86	21.87	33	PASS
				RB1#25	22.47	21.48	33	PASS
				RB1#49	22.86	21.87	33	PASS
				RB25#0	21.33	20.34	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.35	20.36	33	PASS
				RB25#25	21.3	20.31	33	PASS
				RB50#0	21.29	20.3	33	PASS
			HCH	RB1#0	22.71	21.72	33	PASS
				RB1#25	22.76	21.77	33	PASS
				RB1#49	22.68	21.69	33	PASS
				RB25#0	21.4	20.41	33	PASS
				RB25#13	21.41	20.42	33	PASS
				RB25#25	21.36	20.37	33	PASS
				RB50#0	21.41	20.42	33	PASS
		15	LCH	RB1#0	22.62	21.63	33	PASS
				RB1#38	22.63	21.64	33	PASS
				RB1#74	22.66	21.67	33	PASS
				RB36#0	21.44	20.45	33	PASS
				RB36#18	21.29	20.3	33	PASS
				RB36#39	21.39	20.4	33	PASS
				RB75#0	21.45	20.46	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.6	21.61	33	PASS
				RB1#38	22.79	21.8	33	PASS
				RB1#74	22.71	21.72	33	PASS
				RB36#0	21.4	20.41	33	PASS
				RB36#18	21.36	20.37	33	PASS
				RB36#39	21.47	20.48	33	PASS
				RB75#0	21.47	20.48	33	PASS
			HCH	RB1#0	22.76	21.77	33	PASS
				RB1#38	22.83	21.84	33	PASS
				RB1#74	22.8	21.81	33	PASS
				RB36#0	21.44	20.45	33	PASS
				RB36#18	21.36	20.37	33	PASS
				RB36#39	21.46	20.47	33	PASS
				RB75#0	21.29	20.3	33	PASS
		20	LCH	RB1#0	22.71	21.72	33	PASS
				RB1#50	22.69	21.7	33	PASS
				RB1#99	22.77	21.78	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.2	20.21	33	PASS
				RB50#25	21.1	20.11	33	PASS
				RB50#50	21.32	20.33	33	PASS
				RB100#0	21.2	20.21	33	PASS
			MCH	RB1#0	22.51	21.52	33	PASS
				RB1#50	22.63	21.64	33	PASS
				RB1#99	22.61	21.62	33	PASS
				RB50#0	21.1	20.11	33	PASS
				RB50#25	21.07	20.08	33	PASS
				RB50#50	21.17	20.18	33	PASS
				RB100#0	21.16	20.17	33	PASS
			HCH	RB1#0	22.23	21.24	33	PASS
				RB1#50	21.04	20.05	33	PASS
				RB1#99	22.27	21.28	33	PASS
				RB50#0	21.39	20.4	33	PASS
				RB50#25	21.36	20.37	33	PASS
				RB50#50	21.31	20.32	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.37	20.38	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2:

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

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

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

SET Sweep time=auto-couple.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND38	LTE/TM1	5	LCH	RB1#0	4.18	13	PASS
				RB1#13	4.17	13	PASS
				RB1#24	4.2	13	PASS
				RB12#0	5.1	13	PASS
				RB12#6	4.96	13	PASS
				RB12#13	5.14	13	PASS
				RB25#0	5.52	13	PASS
			MCH	RB1#0	4.51	13	PASS
				RB1#13	4.54	13	PASS
				RB1#24	4.57	13	PASS
				RB12#0	5.7	13	PASS
				RB12#6	5.73	13	PASS
				RB12#13	5.76	13	PASS
				RB25#0	5.64	13	PASS
			HCH	RB1#0	4.62	13	PASS
				RB1#13	4.56	13	PASS
				RB1#24	4.52	13	PASS
				RB12#0	5.6	13	PASS
				RB12#6	5.53	13	PASS
				RB12#13	5.55	13	PASS
				RB25#0	6	13	PASS
		10	LCH	RB1#0	4.35	13	PASS
				RB1#25	4.61	13	PASS
				RB1#49	4.71	13	PASS
				RB25#0	5.24	13	PASS
				RB25#13	5.21	13	PASS
				RB25#25	5.31	13	PASS
				RB50#0	5.49	13	PASS
			MCH	RB1#0	4.47	13	PASS
				RB1#25	4.81	13	PASS
				RB1#49	4.62	13	PASS
				RB25#0	5.79	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	5.81	13	PASS
				RB25#25	5.93	13	PASS
				RB50#0	6.11	13	PASS
			HCH	RB1#0	4.91	13	PASS
				RB1#25	5.54	13	PASS
				RB1#49	4.98	13	PASS
				RB25#0	5.61	13	PASS
				RB25#13	5.74	13	PASS
				RB25#25	5.76	13	PASS
				RB50#0	6.26	13	PASS
		15	LCH	RB1#0	4.16	13	PASS
				RB1#38	4.24	13	PASS
				RB1#74	4.43	13	PASS
				RB36#0	5.69	13	PASS
				RB36#18	5.53	13	PASS
				RB36#39	5.89	13	PASS
				RB75#0	5.93	13	PASS
			MCH	RB1#0	3.82	13	PASS
				RB1#38	3.91	13	PASS
				RB1#74	3.99	13	PASS
				RB36#0	5.99	13	PASS
				RB36#18	5.96	13	PASS
				RB36#39	6.13	13	PASS
				RB75#0	6.3	13	PASS
			HCH	RB1#0	4.72	13	PASS
				RB1#38	4.72	13	PASS
				RB1#74	4.65	13	PASS
				RB36#0	5.74	13	PASS
				RB36#18	5.99	13	PASS
				RB36#39	6.06	13	PASS
				RB75#0	6.12	13	PASS
		20	LCH	RB1#0	4.49	13	PASS
				RB1#50	4.24	13	PASS
				RB1#99	4.44	13	PASS
				RB50#0	5.53	13	PASS
				RB50#25	5.49	13	PASS
				RB50#50	5.82	13	PASS
				RB100#0	6.1	13	PASS
			MCH	RB1#0	3.98	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	4.09	13	PASS
				RB1#99	4.31	13	PASS
				RB50#0	5.98	13	PASS
				RB50#25	5.78	13	PASS
				RB50#50	6.22	13	PASS
				RB100#0	5.72	13	PASS
			HCH	RB1#0	4.34	13	PASS
				RB1#50	4.39	13	PASS
				RB1#99	4.35	13	PASS
				RB50#0	5.77	13	PASS
				RB50#25	5.7	13	PASS
				RB50#50	6.07	13	PASS
				RB100#0	6.23	13	PASS
	LTE/TM2	5	LCH	RB1#0	4.74	13	PASS
				RB1#13	4.83	13	PASS
				RB1#24	4.89	13	PASS
				RB12#0	6.23	13	PASS
				RB12#6	6.17	13	PASS
				RB12#13	6.31	13	PASS
			MCH	RB25#0	6.49	13	PASS
				RB1#0	5.38	13	PASS
				RB1#13	5.32	13	PASS
				RB1#24	5.4	13	PASS
				RB12#0	6.68	13	PASS
				RB12#6	6.6	13	PASS
				RB12#13	6.7	13	PASS
				RB25#0	6.67	13	PASS
			HCH	RB1#0	5.12	13	PASS
				RB1#13	5.18	13	PASS
				RB1#24	5.25	13	PASS
				RB12#0	6.63	13	PASS
				RB12#6	6.94	13	PASS
				RB12#13	6.73	13	PASS
				RB25#0	6.61	13	PASS
		10	LCH	RB1#0	5.11	13	PASS
				RB1#25	5.24	13	PASS
				RB1#49	5.16	13	PASS
				RB25#0	6.68	13	PASS
				RB25#13	6.65	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	6.75	13	PASS
				RB50#0	6.49	13	PASS
			MCH	RB1#0	5.7	13	PASS
				RB1#25	5.71	13	PASS
				RB1#49	5.71	13	PASS
				RB25#0	6.59	13	PASS
				RB25#13	6.59	13	PASS
				RB25#25	6.75	13	PASS
				RB50#0	6.98	13	PASS
			HCH	RB1#0	5.13	13	PASS
				RB1#25	5.21	13	PASS
				RB1#49	5.5	13	PASS
				RB25#0	7.11	13	PASS
				RB25#13	6.68	13	PASS
				RB25#25	6.8	13	PASS
				RB50#0	7.12	13	PASS
		15	LCH	RB1#0	5	13	PASS
				RB1#38	5.11	13	PASS
				RB1#74	5.35	13	PASS
				RB36#0	6.38	13	PASS
				RB36#18	6.33	13	PASS
				RB36#39	6.48	13	PASS
				RB75#0	6.92	13	PASS
			MCH	RB1#0	4.86	13	PASS
				RB1#38	4.99	13	PASS
				RB1#74	5.13	13	PASS
				RB36#0	6.65	13	PASS
				RB36#18	6.57	13	PASS
				RB36#39	6.7	13	PASS
				RB75#0	7.05	13	PASS
			HCH	RB1#0	4.96	13	PASS
				RB1#38	4.93	13	PASS
				RB1#74	5.33	13	PASS
				RB36#0	7.15	13	PASS
				RB36#18	7.1	13	PASS
				RB36#39	7.05	13	PASS
				RB75#0	7.13	13	PASS
		20	LCH	RB1#0	4.91	13	PASS
				RB1#50	5.32	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	5.24	13	PASS
				RB50#0	6.39	13	PASS
				RB50#25	6.43	13	PASS
				RB50#50	6.68	13	PASS
				RB100#0	6.94	13	PASS
			MCH	RB1#0	5.19	13	PASS
				RB1#50	5.24	13	PASS
				RB1#99	5.04	13	PASS
				RB50#0	6.51	13	PASS
				RB50#25	6.52	13	PASS
				RB50#50	6.62	13	PASS
				RB100#0	7.19	13	PASS
			HCH	RB1#0	5.04	13	PASS
				RB1#50	4.98	13	PASS
				RB1#99	5.34	13	PASS
				RB50#0	6.61	13	PASS
				RB50#25	6.66	13	PASS
				RB50#50	6.65	13	PASS
				RB100#0	7.18	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

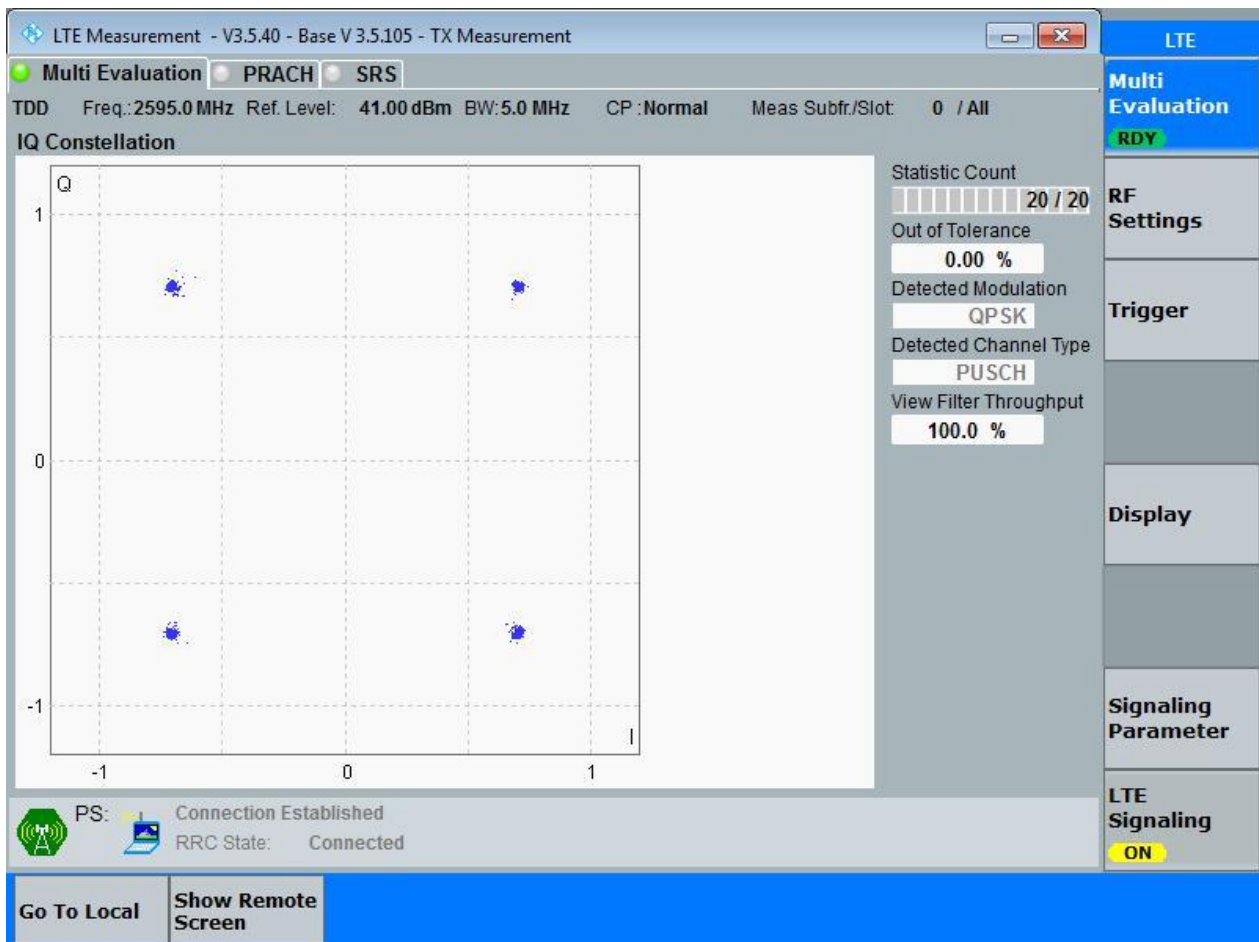
3.1.1 Test Band = BAND38

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

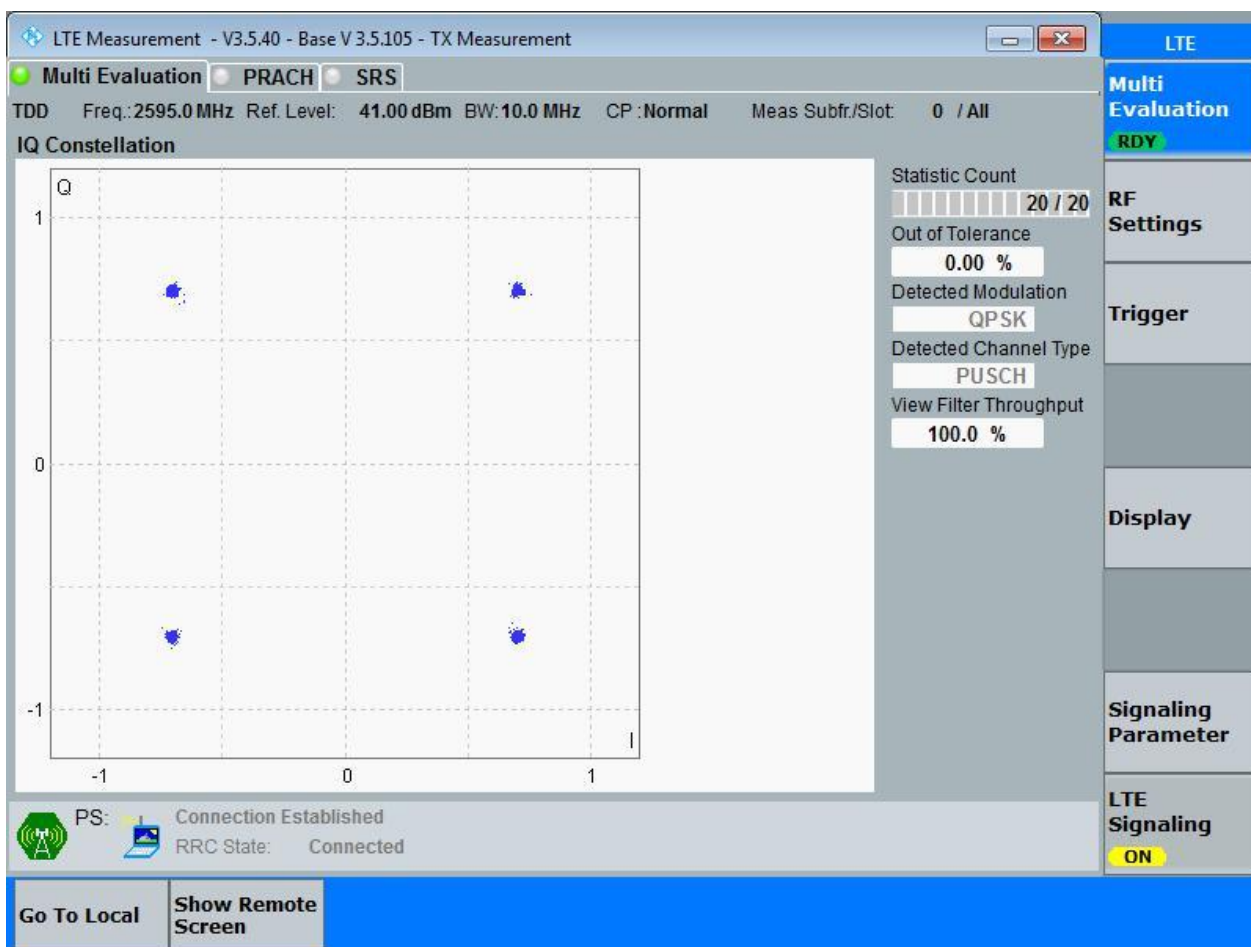
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

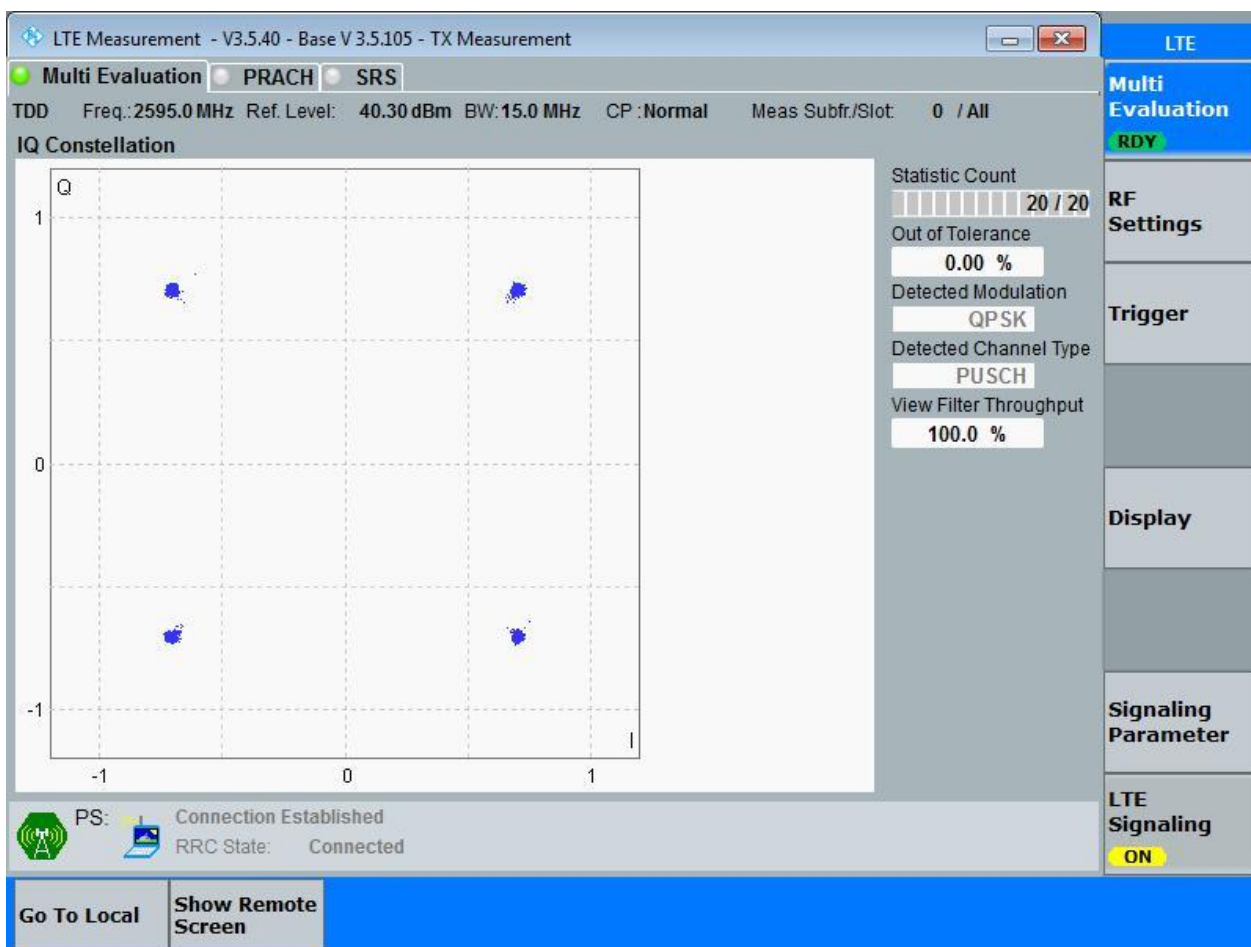
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

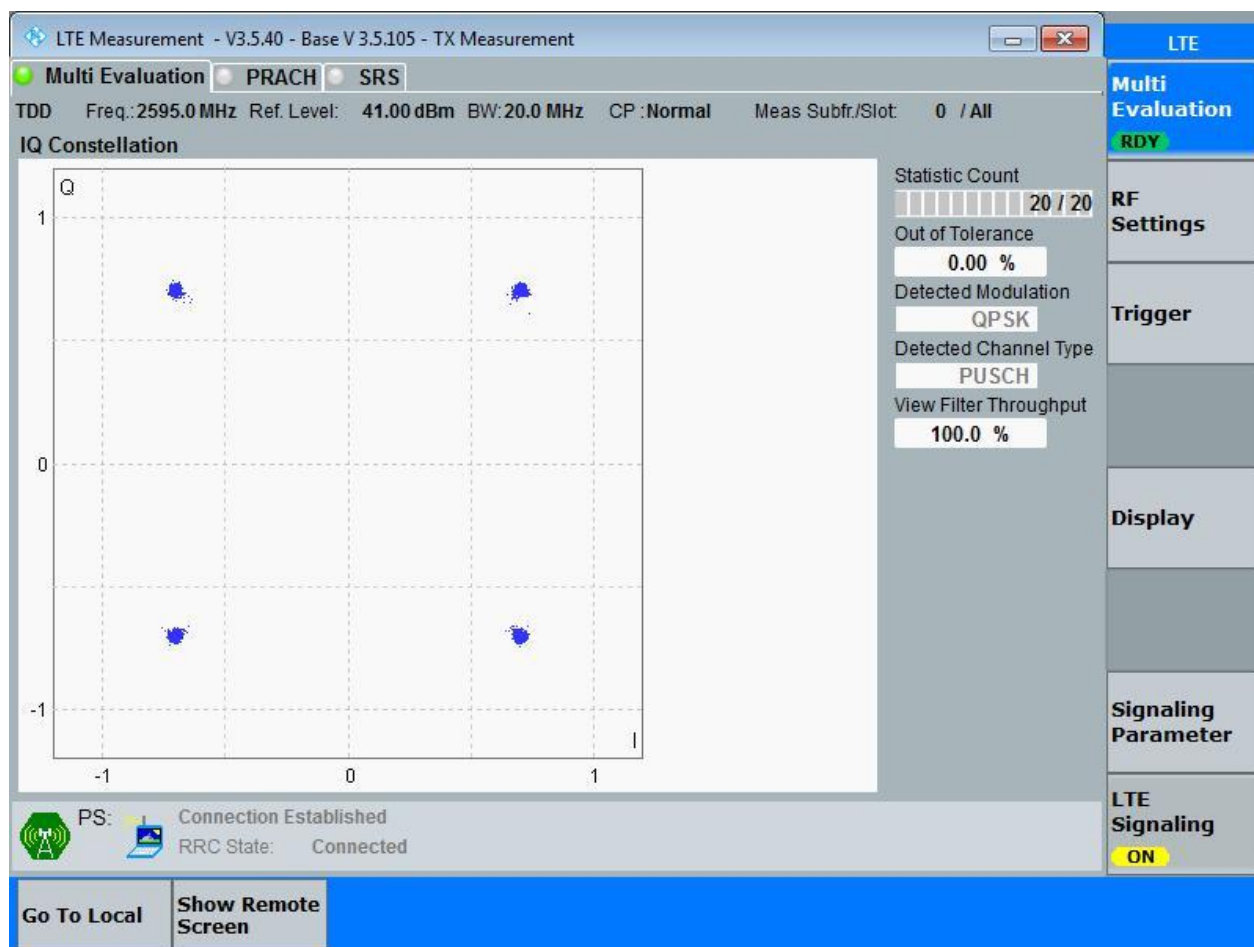
3.1.1.1.3.1.1 Test RB = RB75#0



3.1.1.1.4 Test Bandwidth = 20

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB100#0

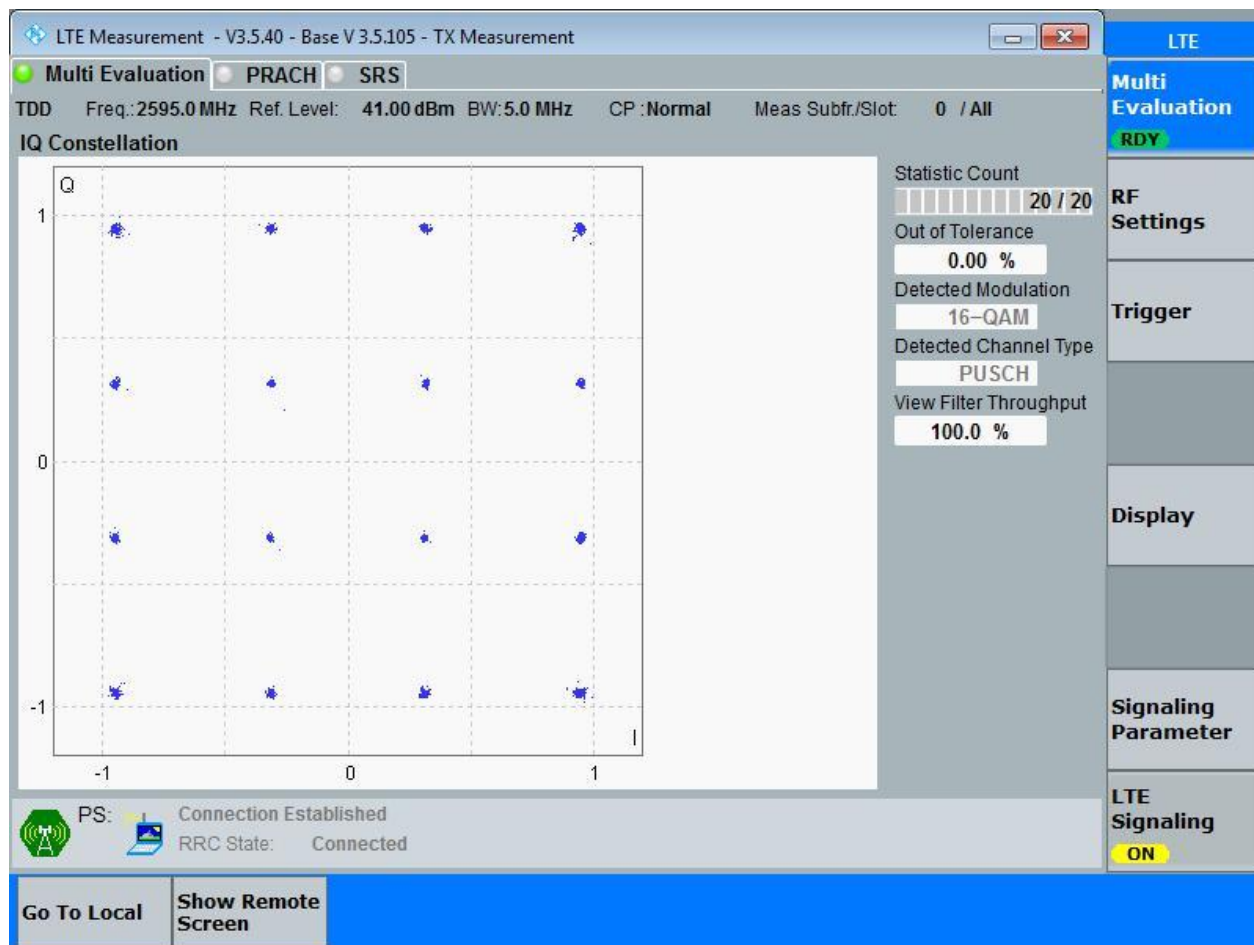


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

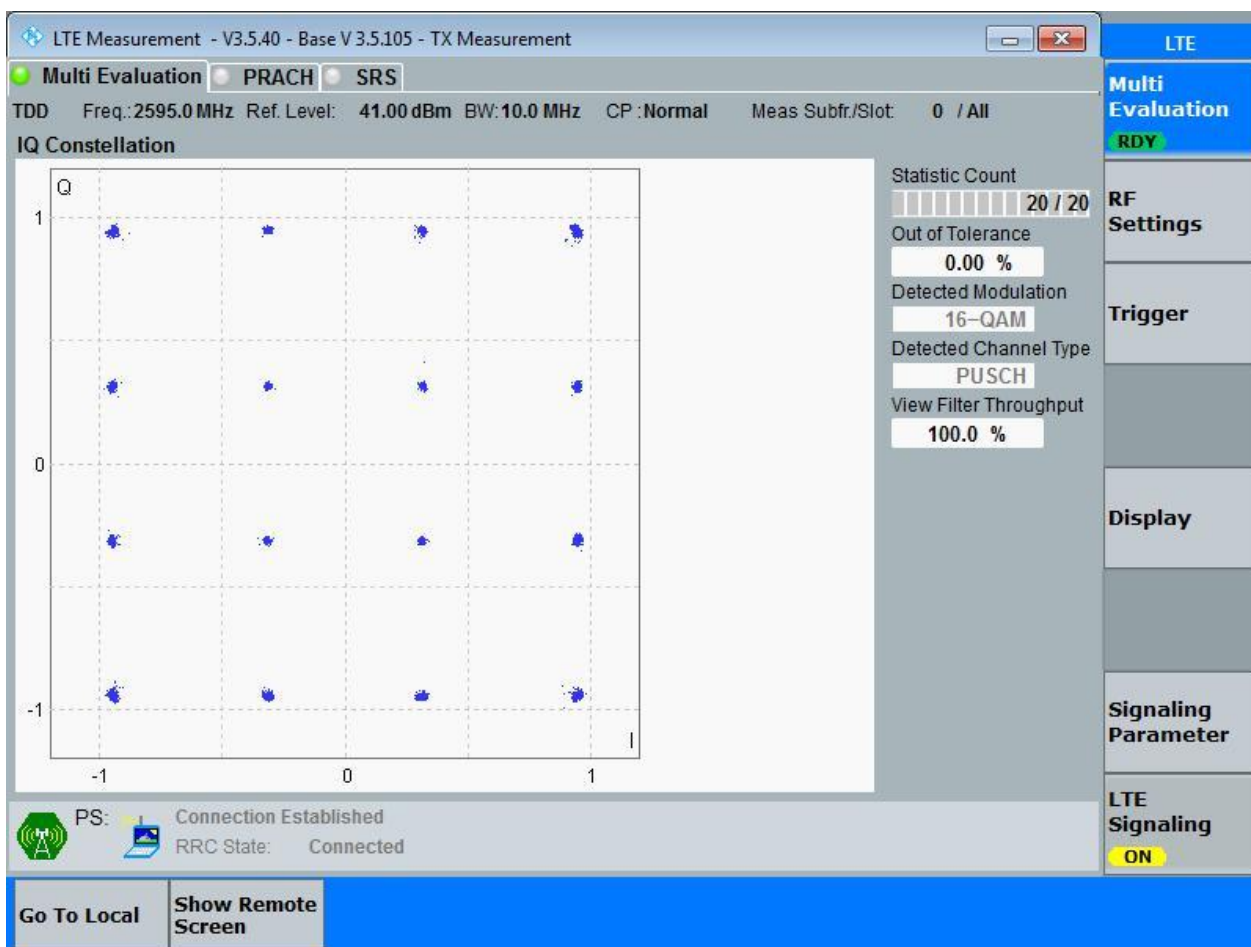
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

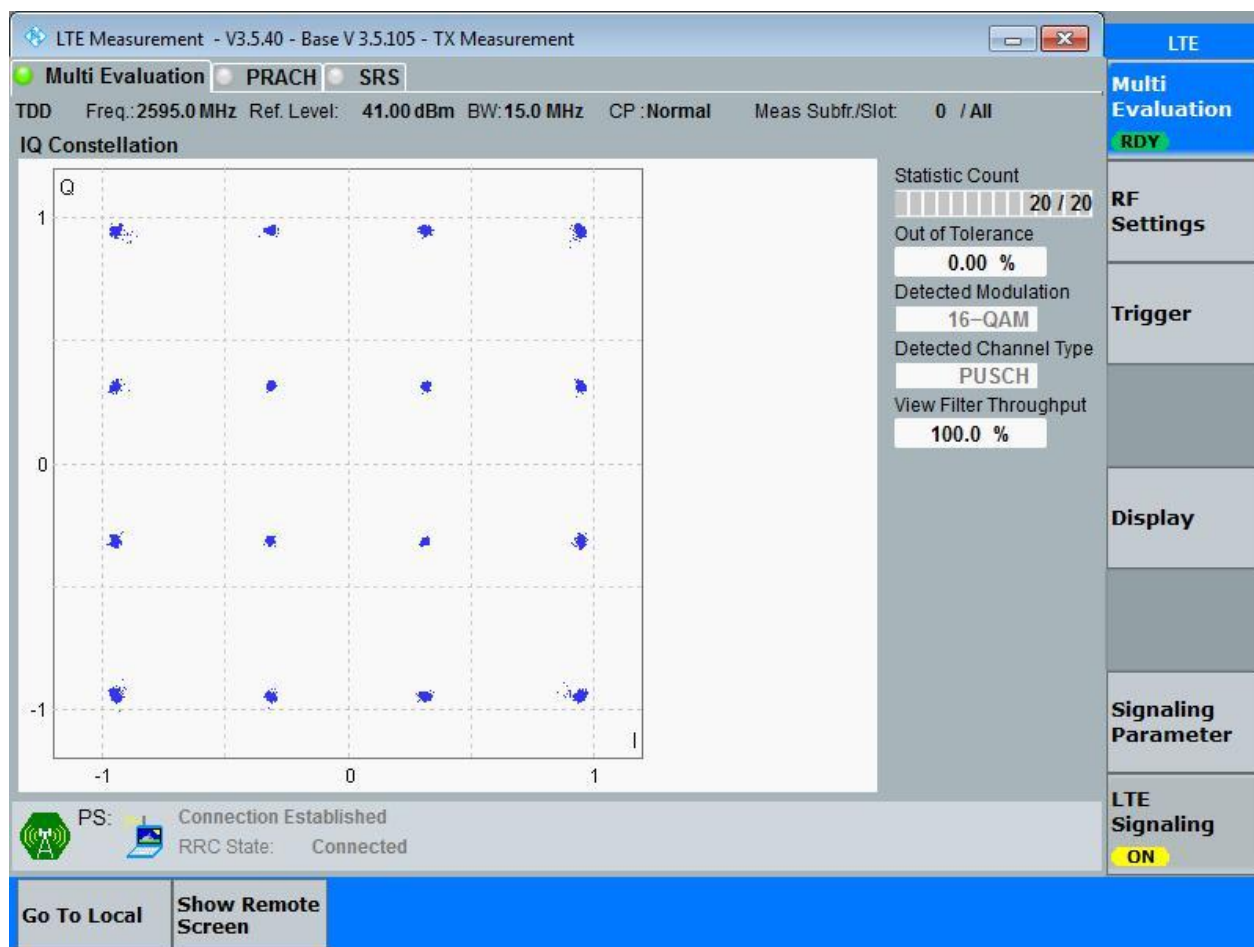
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

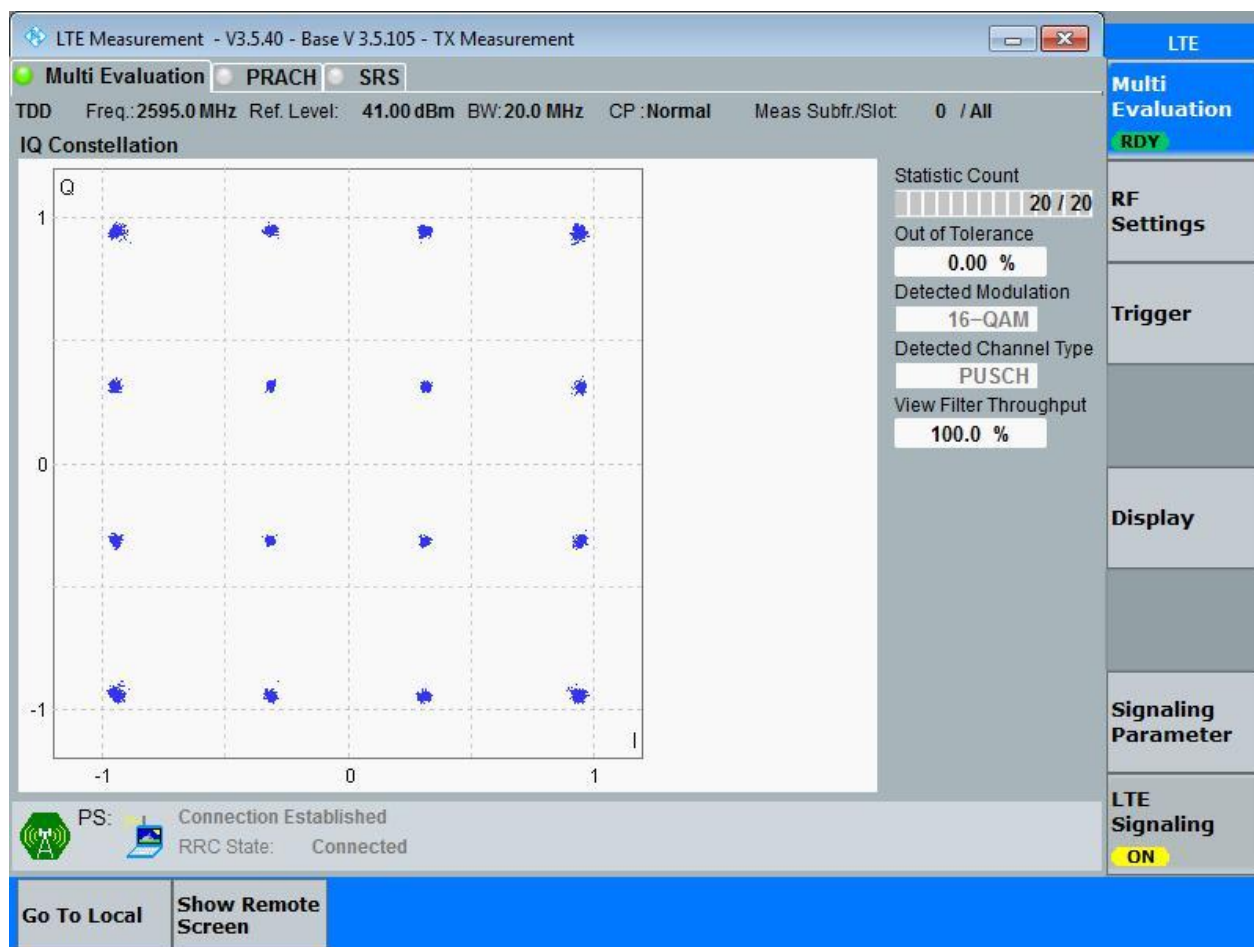
3.1.1.2.3.1.1 Test RB = RB75#0



3.1.1.2.4 Test Bandwidth = 20

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB100#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND38	LTE/TM1	5	LCH	RB25#0	4.51	4.99	Pass
			MCH	RB25#0	4.44	4.82	Pass
			HCH	RB25#0	4.50	4.93	Pass
		10	LCH	RB50#0	9.00	9.81	Pass
			MCH	RB50#0	8.91	9.52	Pass
			HCH	RB50#0	8.98	9.89	Pass
		15	LCH	RB75#0	13.46	14.48	Pass
			MCH	RB75#0	13.47	14.99	Pass
			HCH	RB75#0	13.48	14.95	Pass
		20	LCH	RB100#0	17.97	19.74	Pass
			MCH	RB100#0	17.98	19.77	Pass
			HCH	RB100#0	17.98	19.83	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.95	Pass
			MCH	RB25#0	4.48	4.78	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	8.99	9.64	Pass
			MCH	RB50#0	8.99	10.00	Pass
			HCH	RB50#0	8.99	9.87	Pass
		15	LCH	RB75#0	13.49	14.95	Pass
			MCH	RB75#0	13.50	15.03	Pass
			HCH	RB75#0	13.47	14.90	Pass
		20	LCH	RB100#0	17.97	19.01	Pass
			MCH	RB100#0	17.97	19.77	Pass
			HCH	RB100#0	18.00	19.92	Pass



Part II - Test Plots

4.1 For LTE

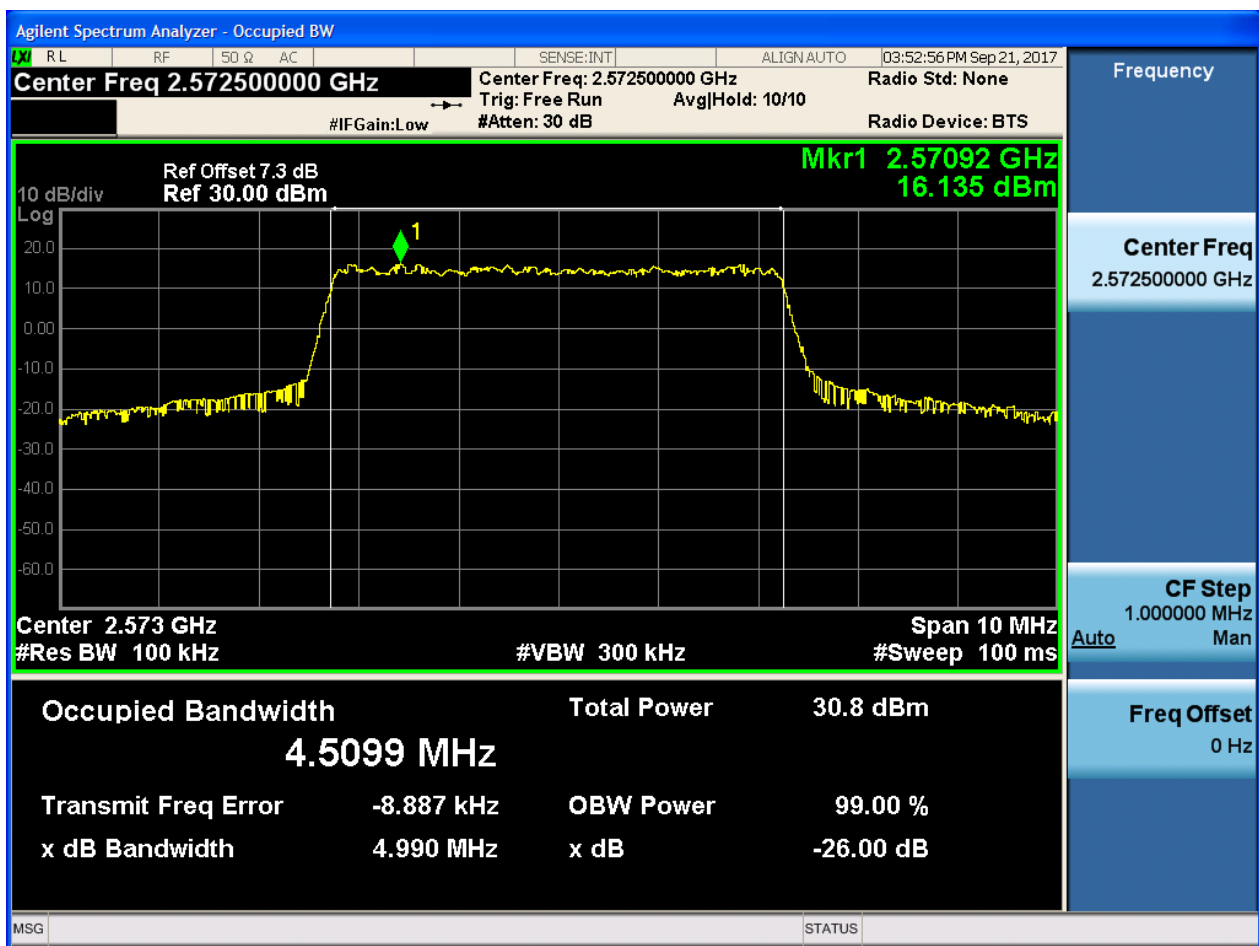
4.1.1 Test Band = BAND38

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

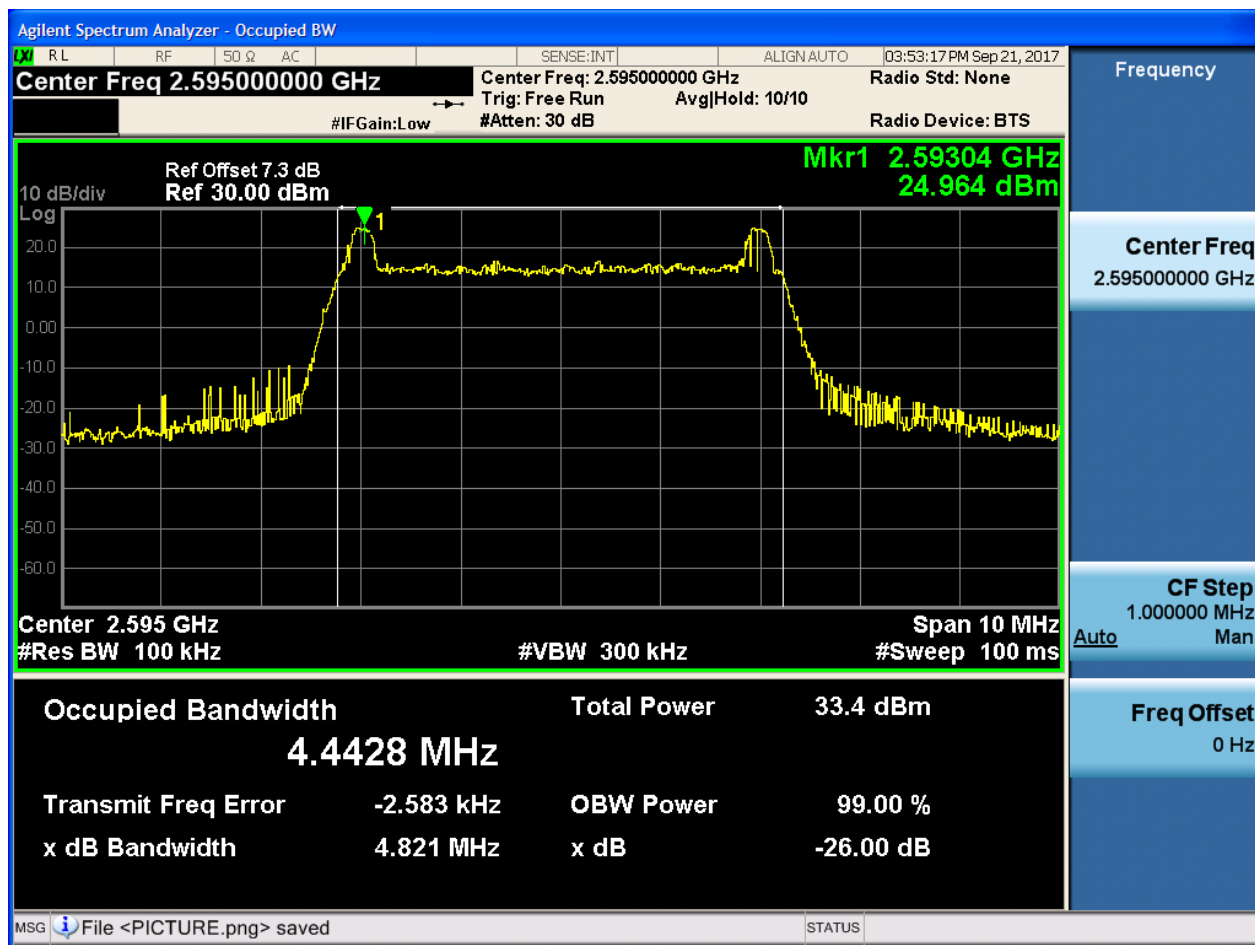
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0



4.1.1.1.1.2 Test Channel = MCH

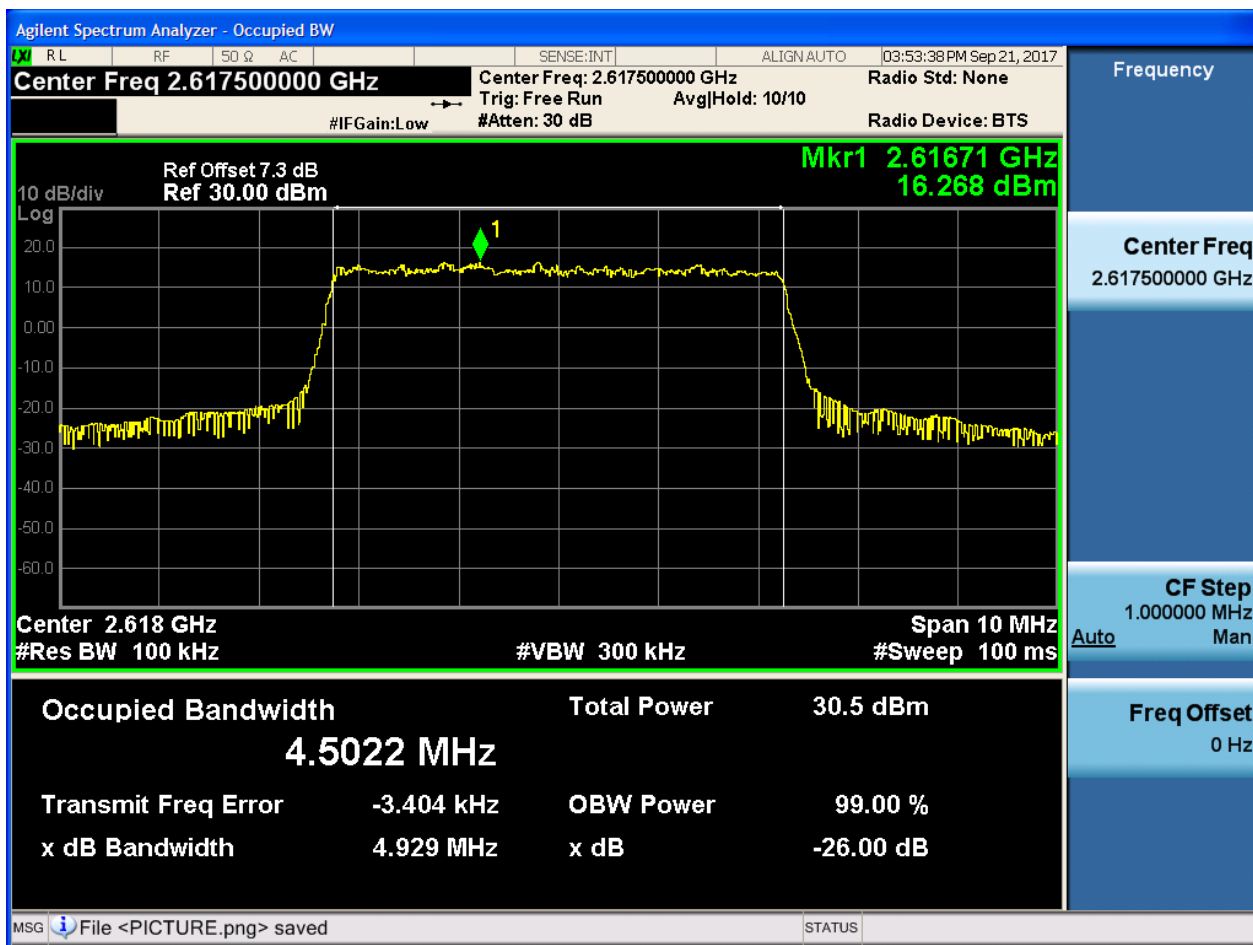
4.1.1.1.1.2.1 Test RB = RB25#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0

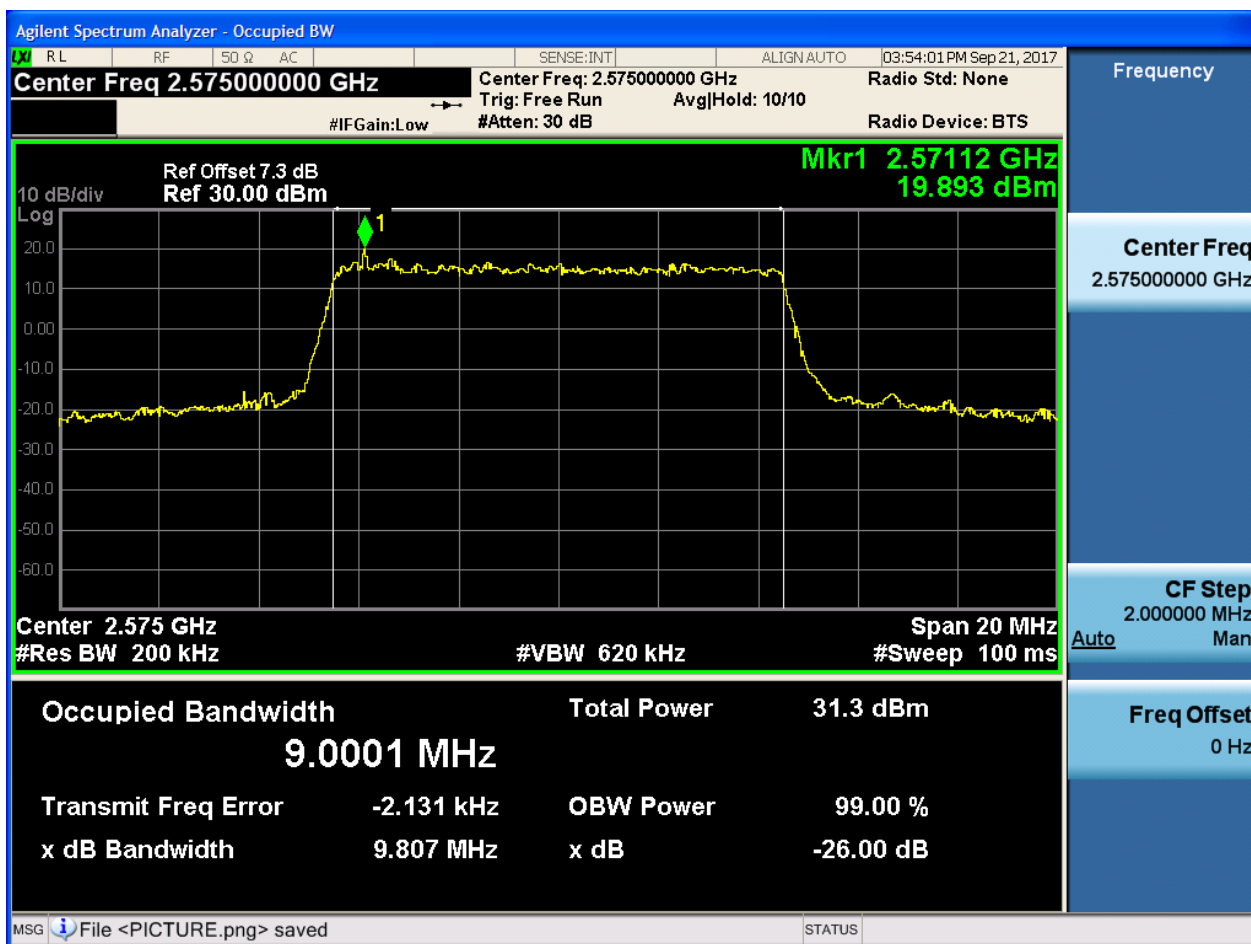




4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

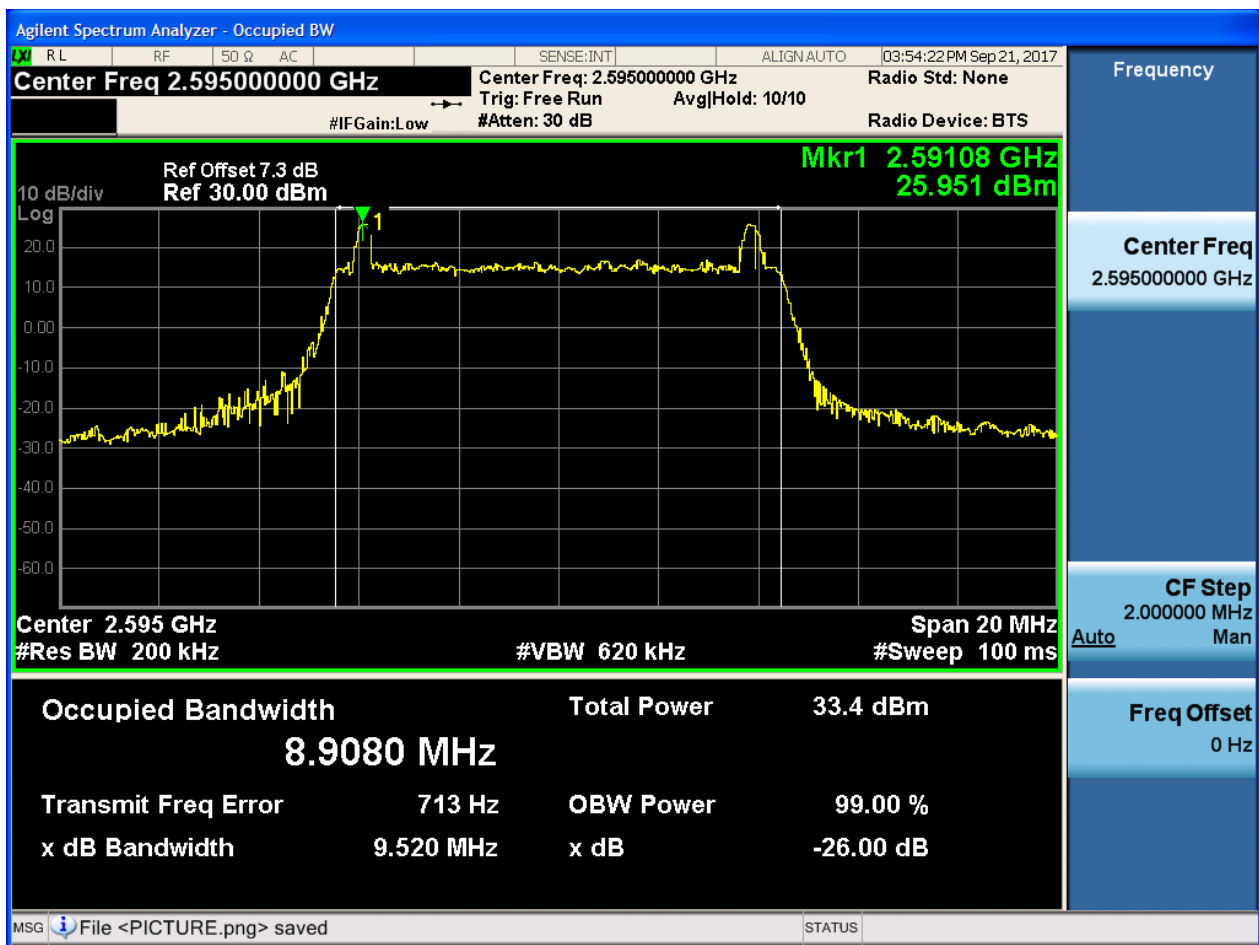
4.1.1.1.2.1.1 Test RB = RB50#0





4.1.1.1.2.2 Test Channel = MCH

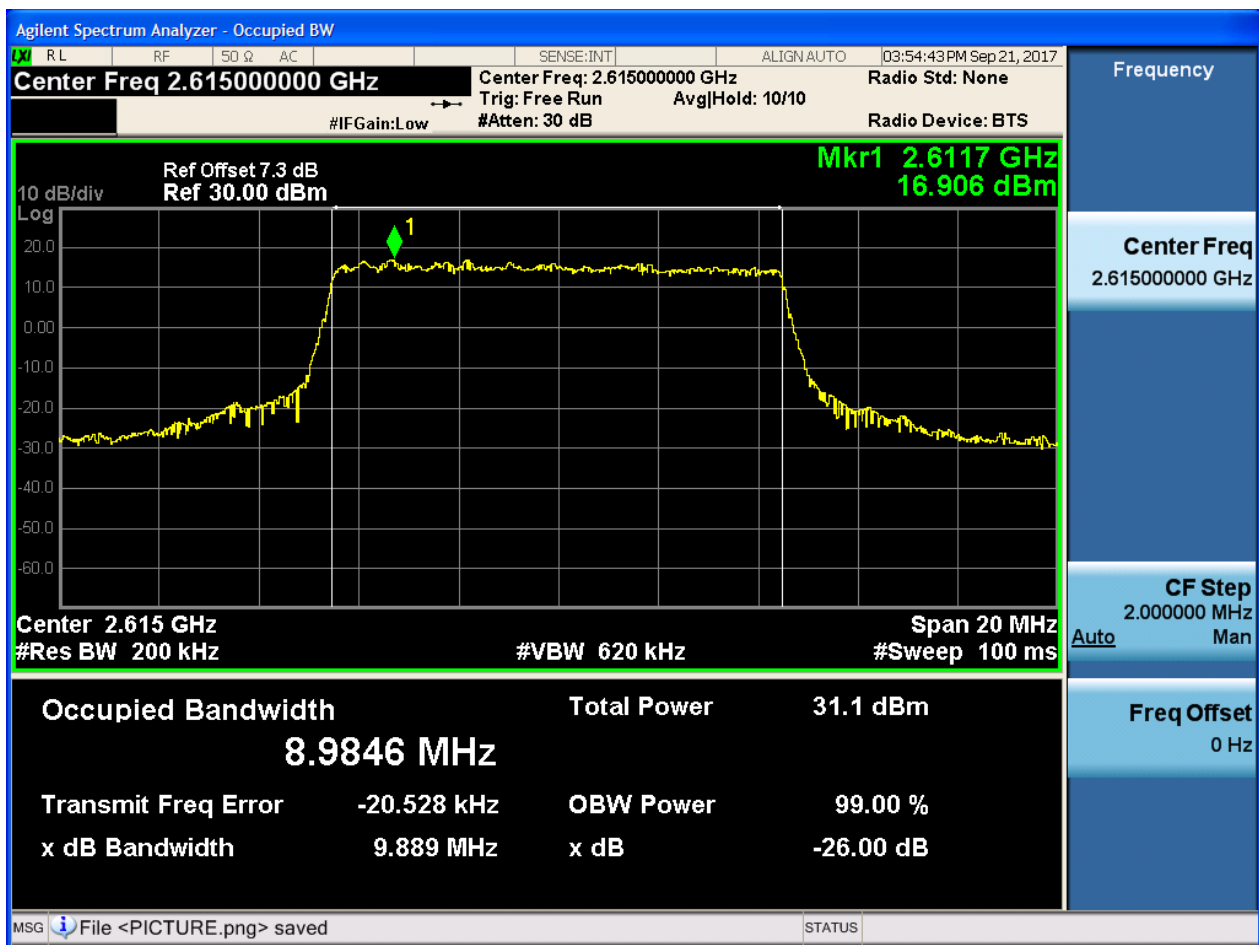
4.1.1.1.2.2.1 Test RB = RB50#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0

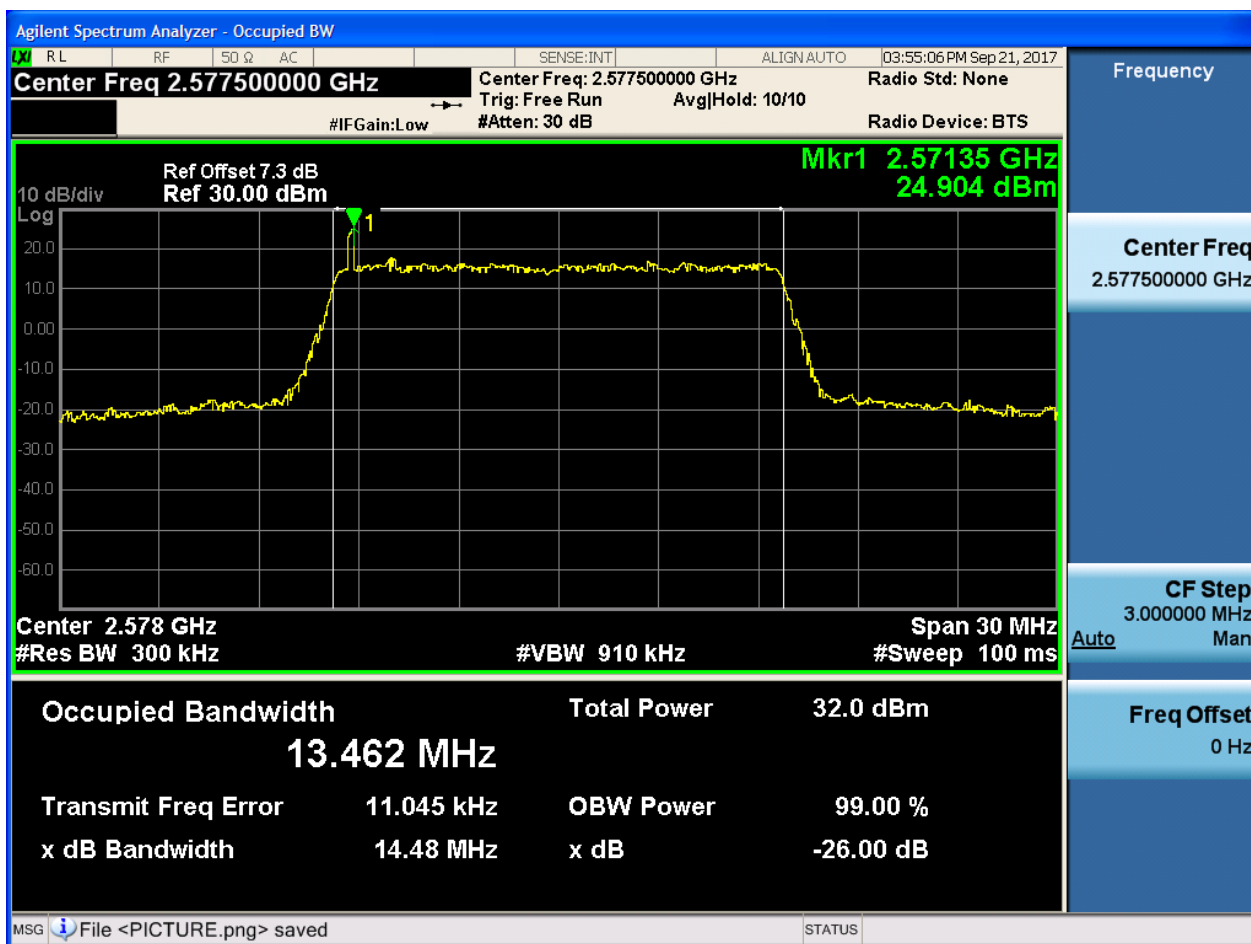




4.1.1.1.3 Test Bandwidth = 15

4.1.1.1.3.1 Test Channel = LCH

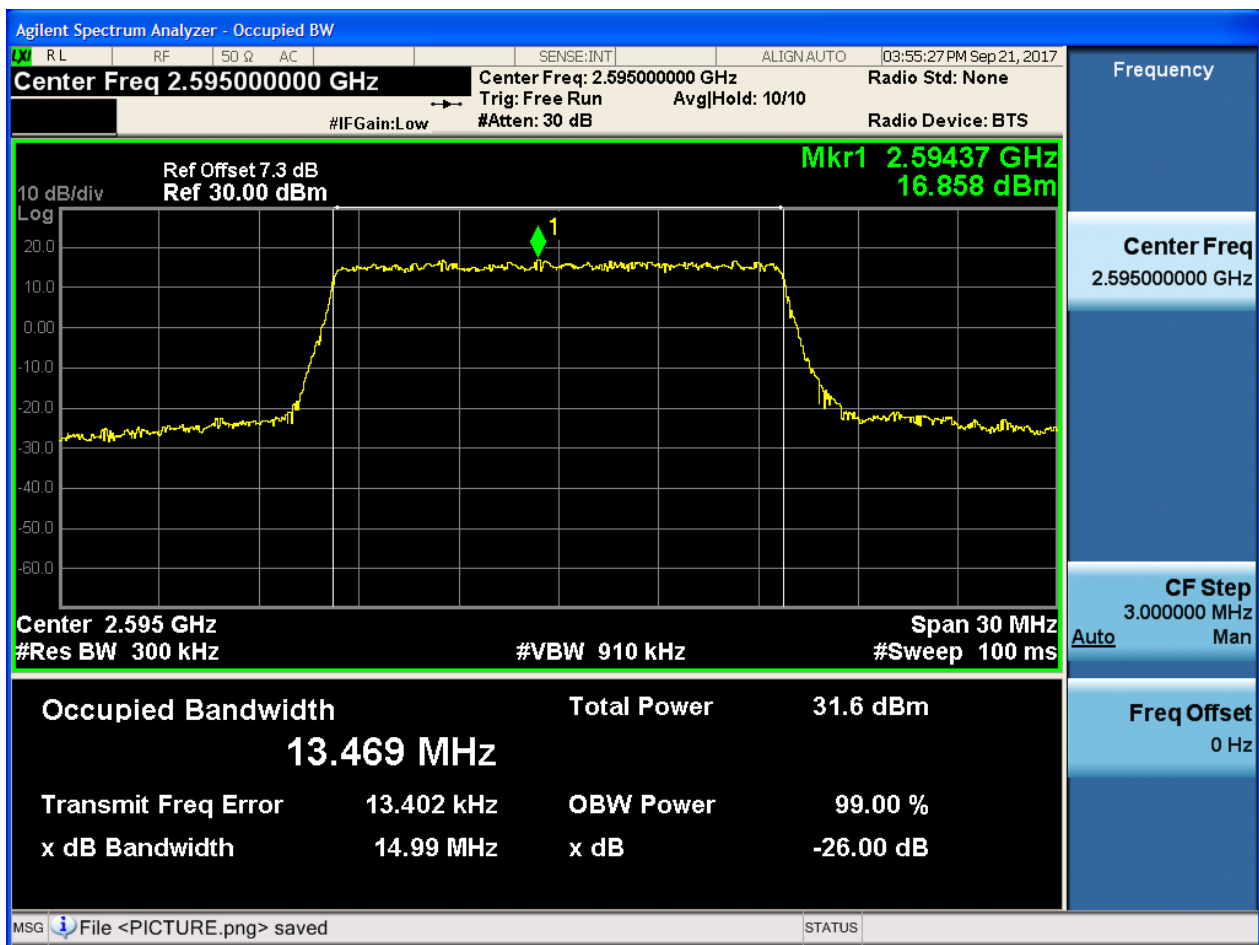
4.1.1.1.3.1.1 Test RB = RB75#0





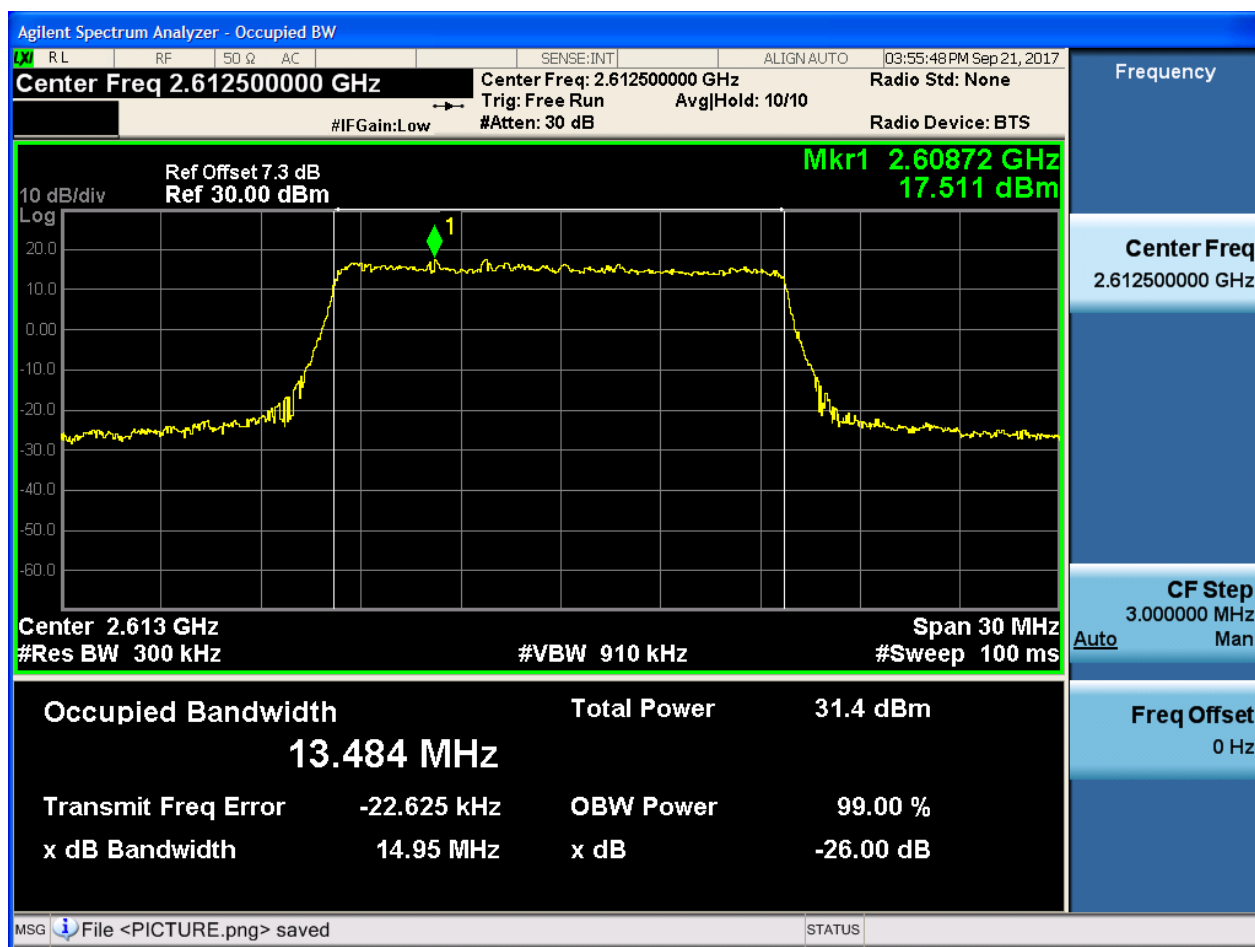
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB75#0



4.1.1.1.3.3 Test Channel = HCH

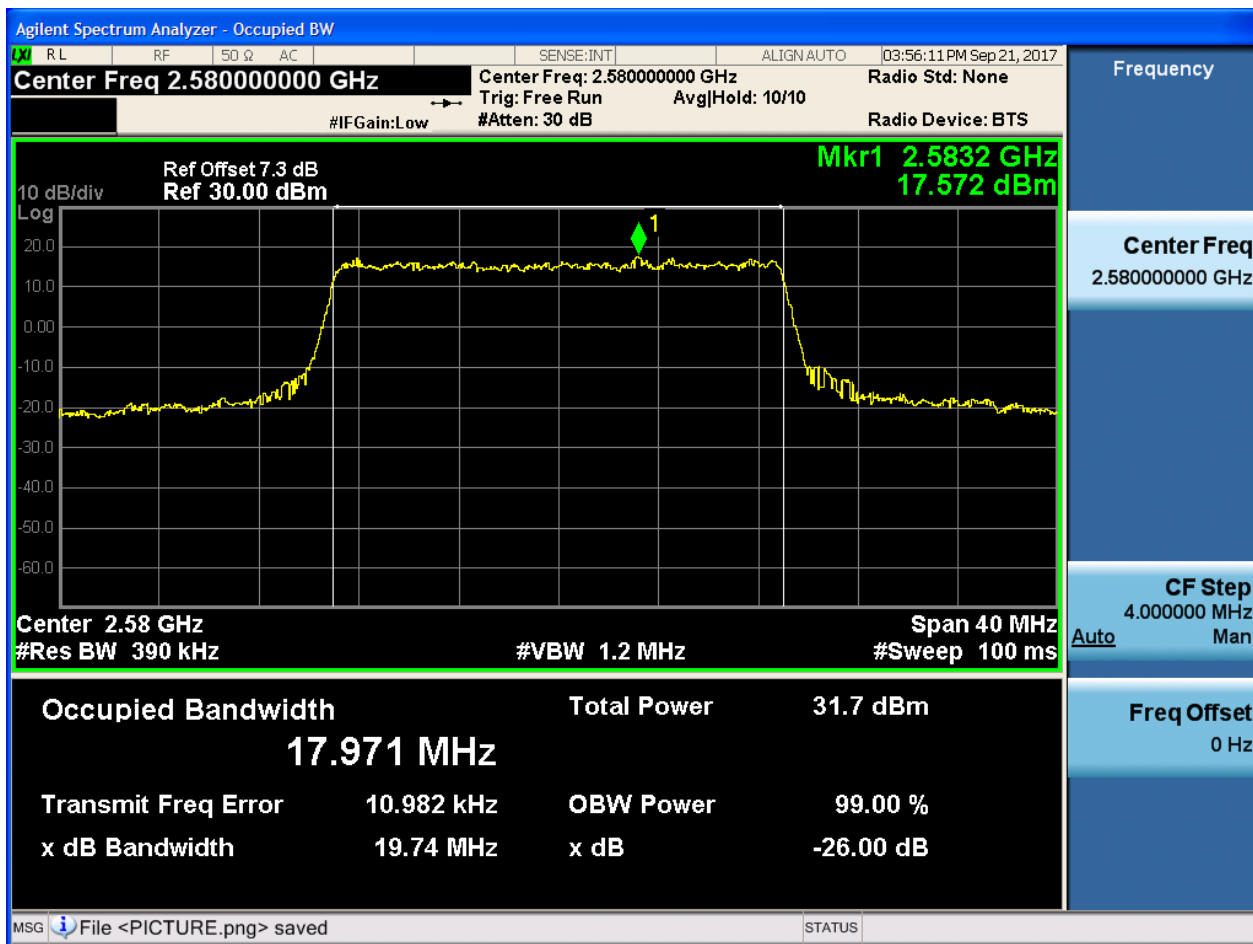
4.1.1.1.3.3.1 Test RB = RB75#0



4.1.1.1.4 Test Bandwidth = 20

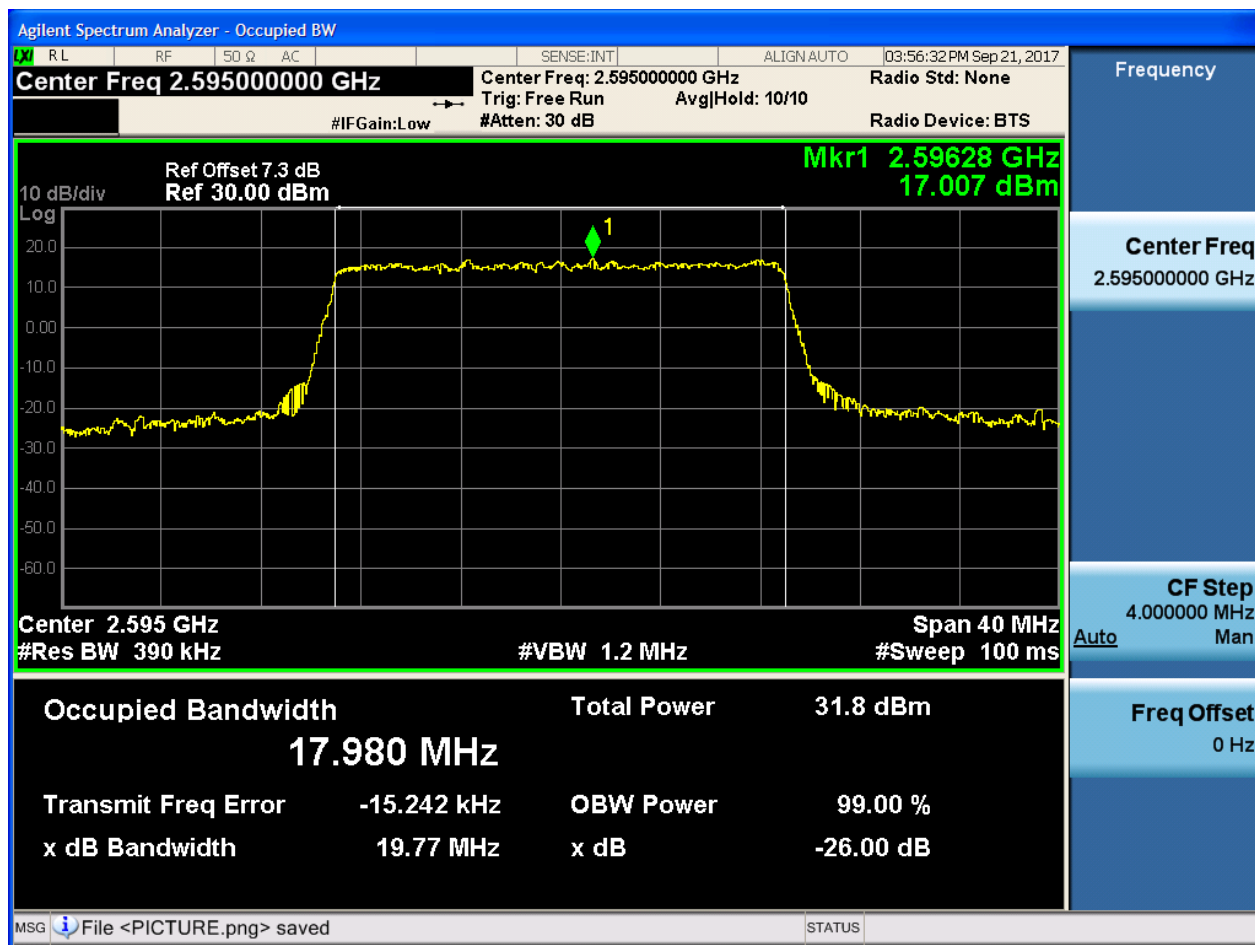
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB100#0



4.1.1.1.4.2 Test Channel = MCH

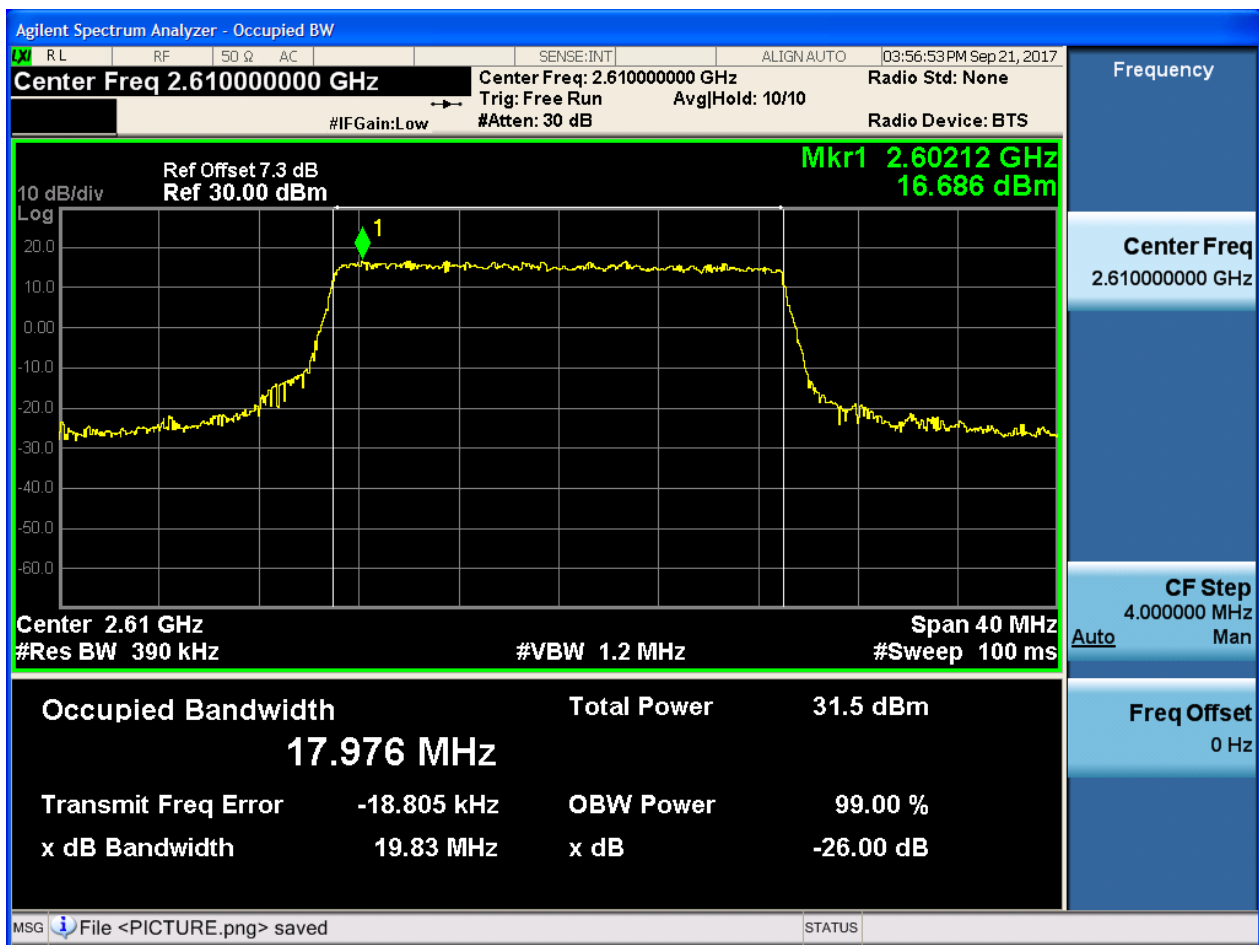
4.1.1.1.4.2.1 Test RB = RB100#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB100#0

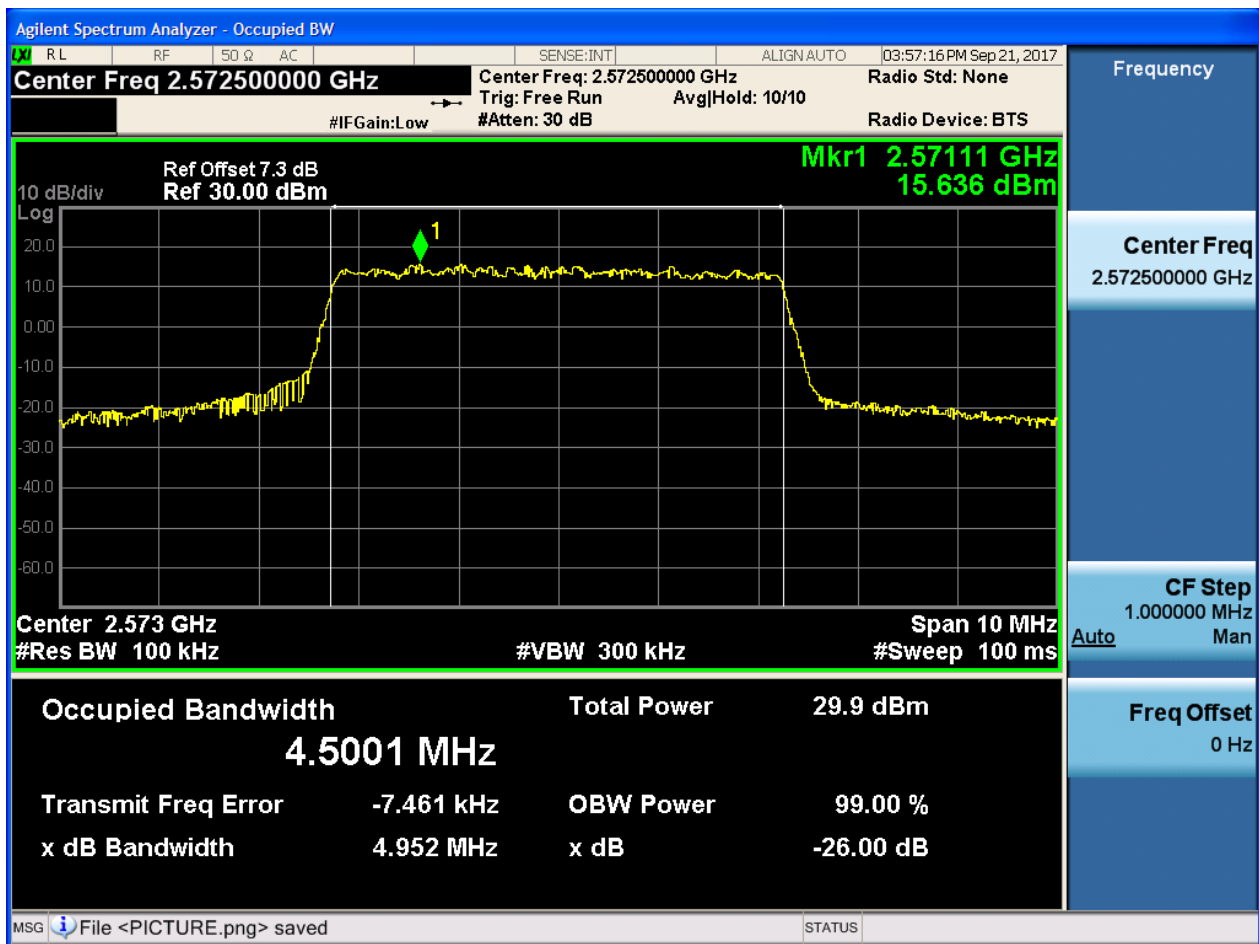


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

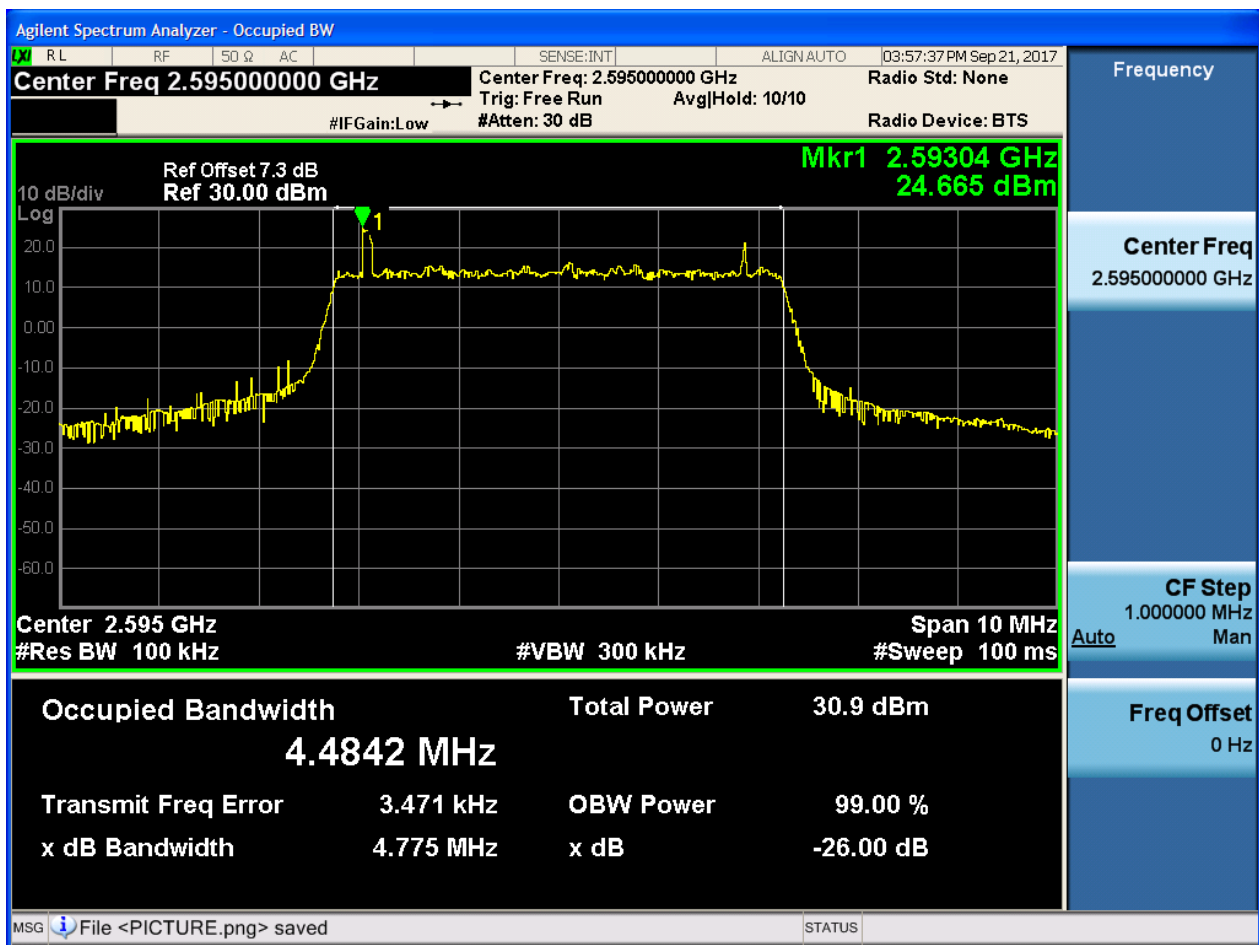
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB25#0



4.1.1.2.1.2 Test Channel = MCH

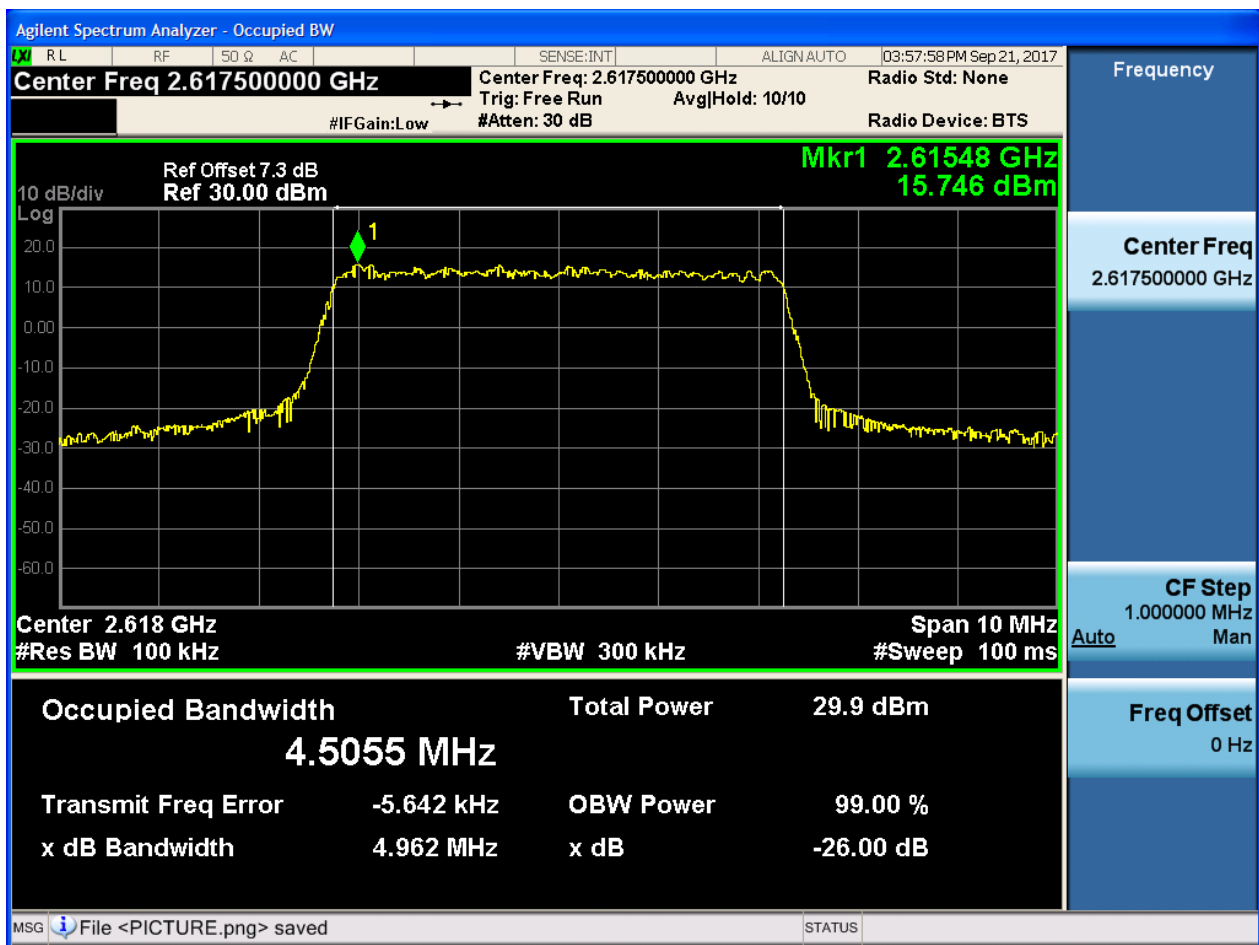
4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0

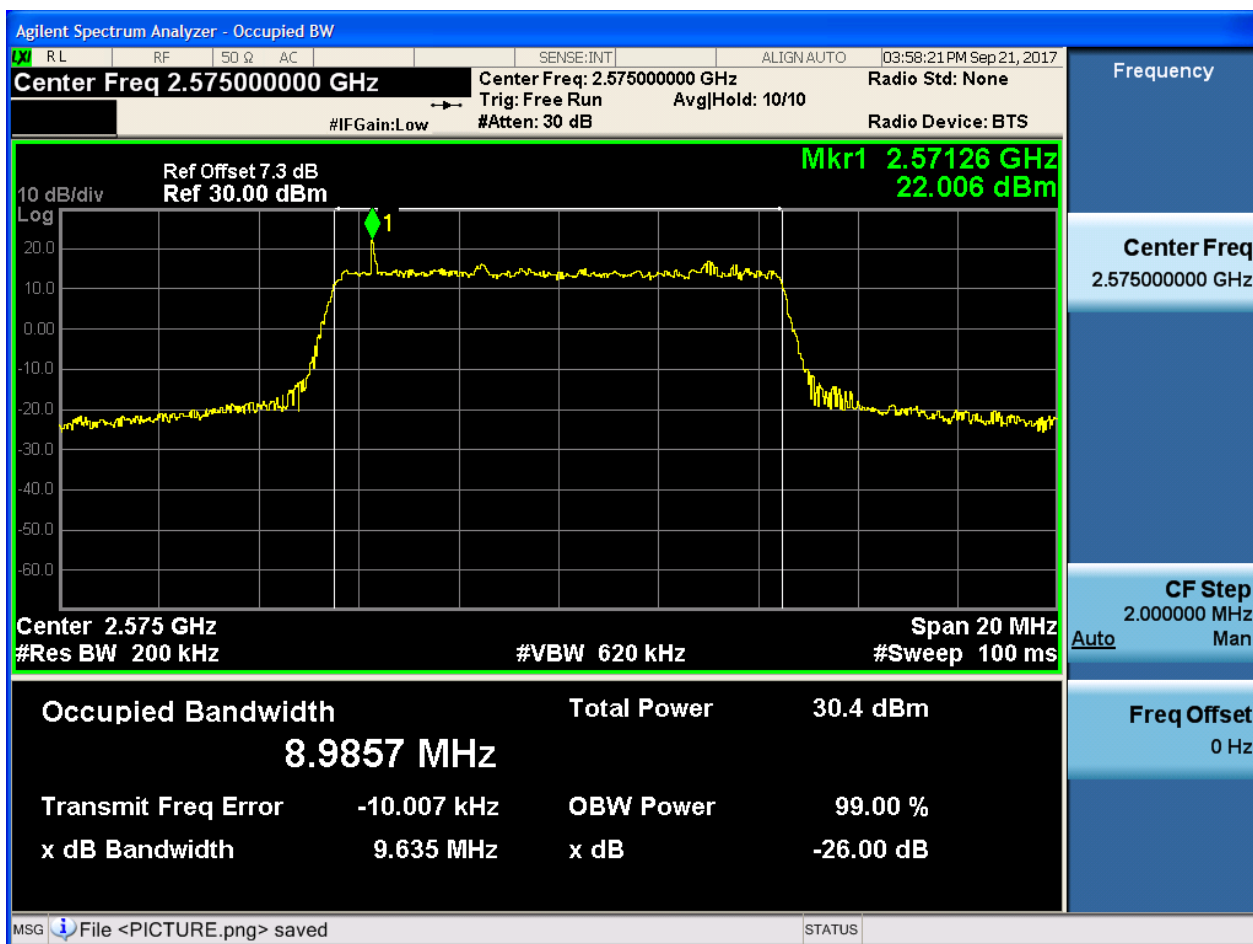




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

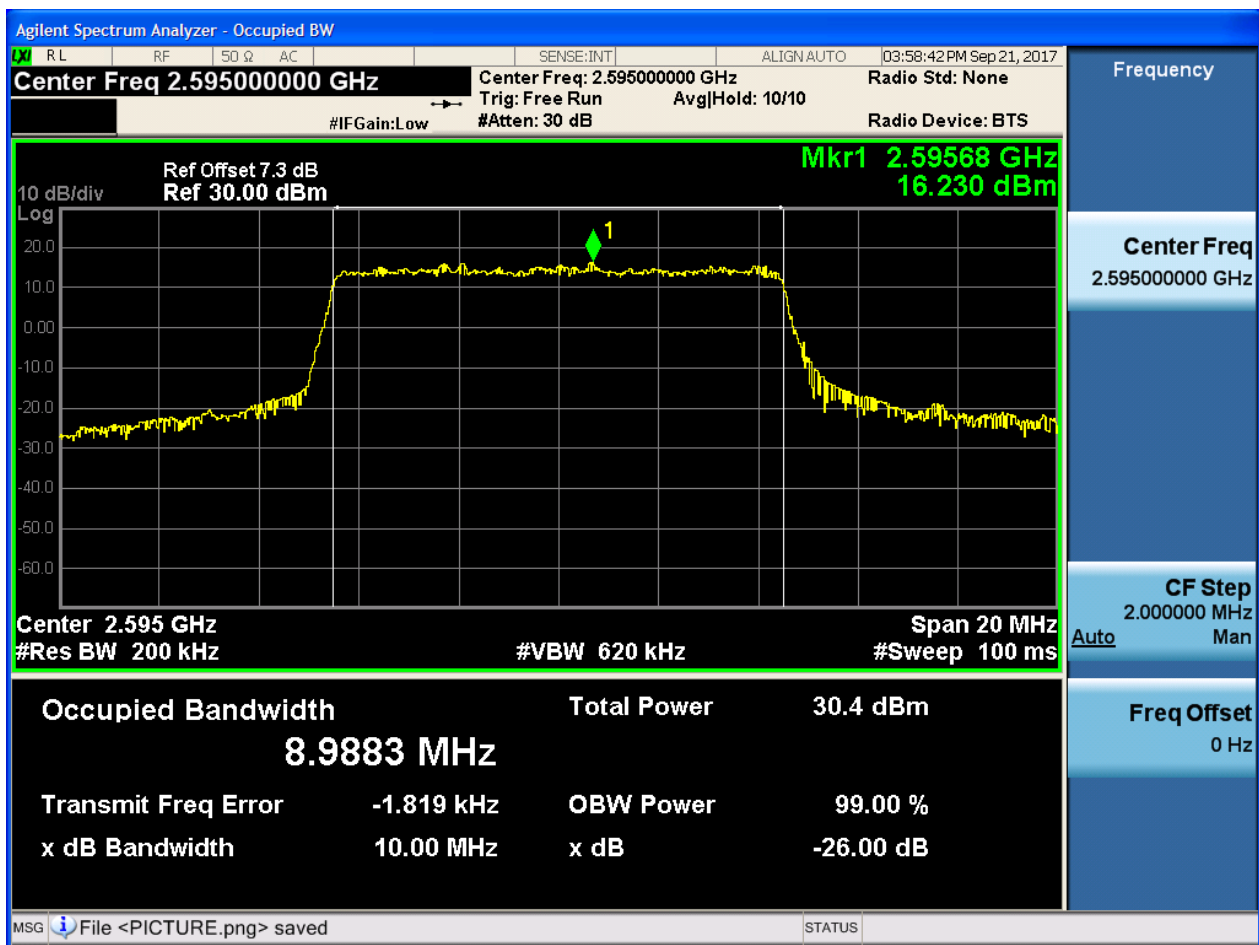
4.1.1.2.2.1.1 Test RB = RB50#0





4.1.1.2.2.2 Test Channel = MCH

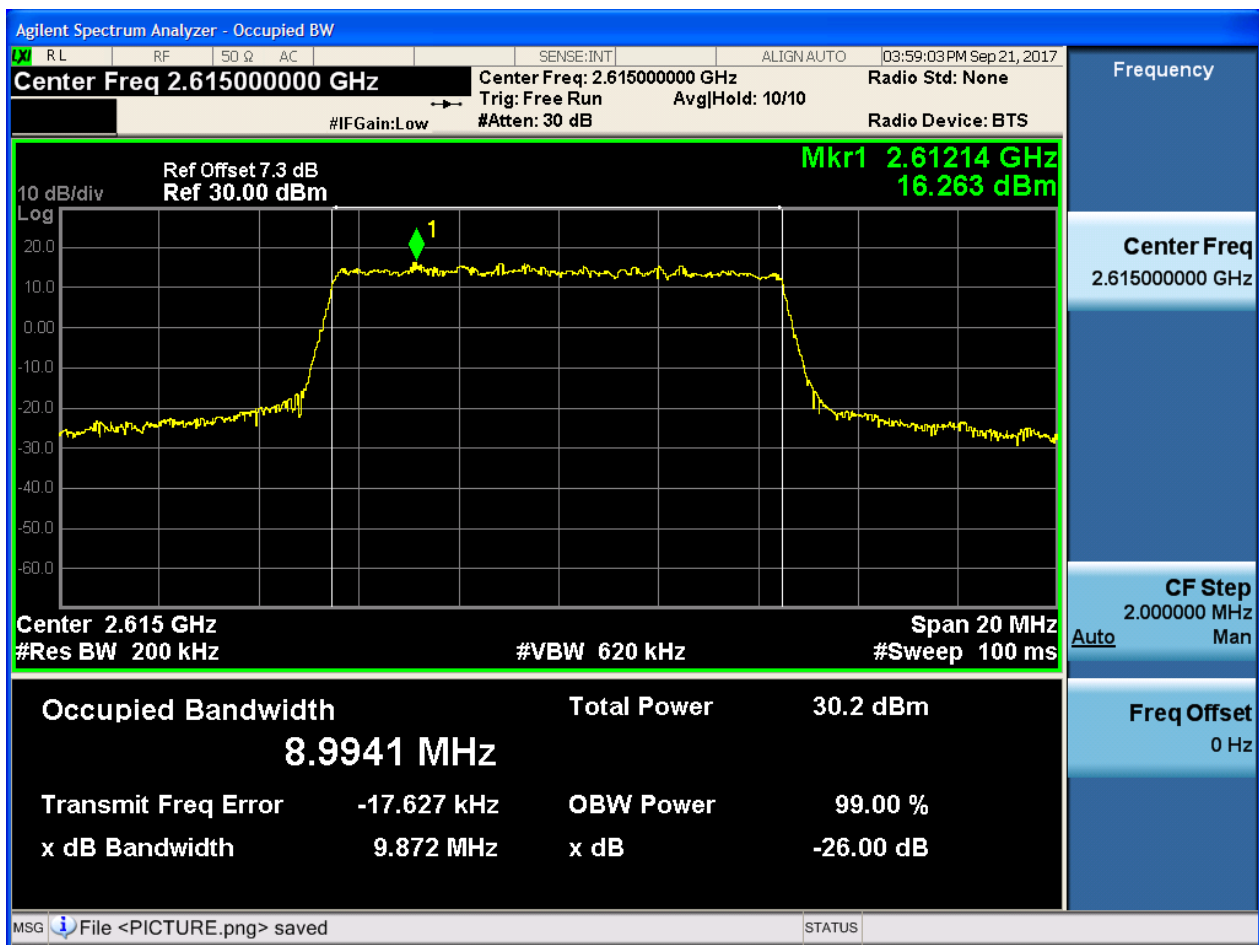
4.1.1.2.2.1 Test RB = RB50#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0

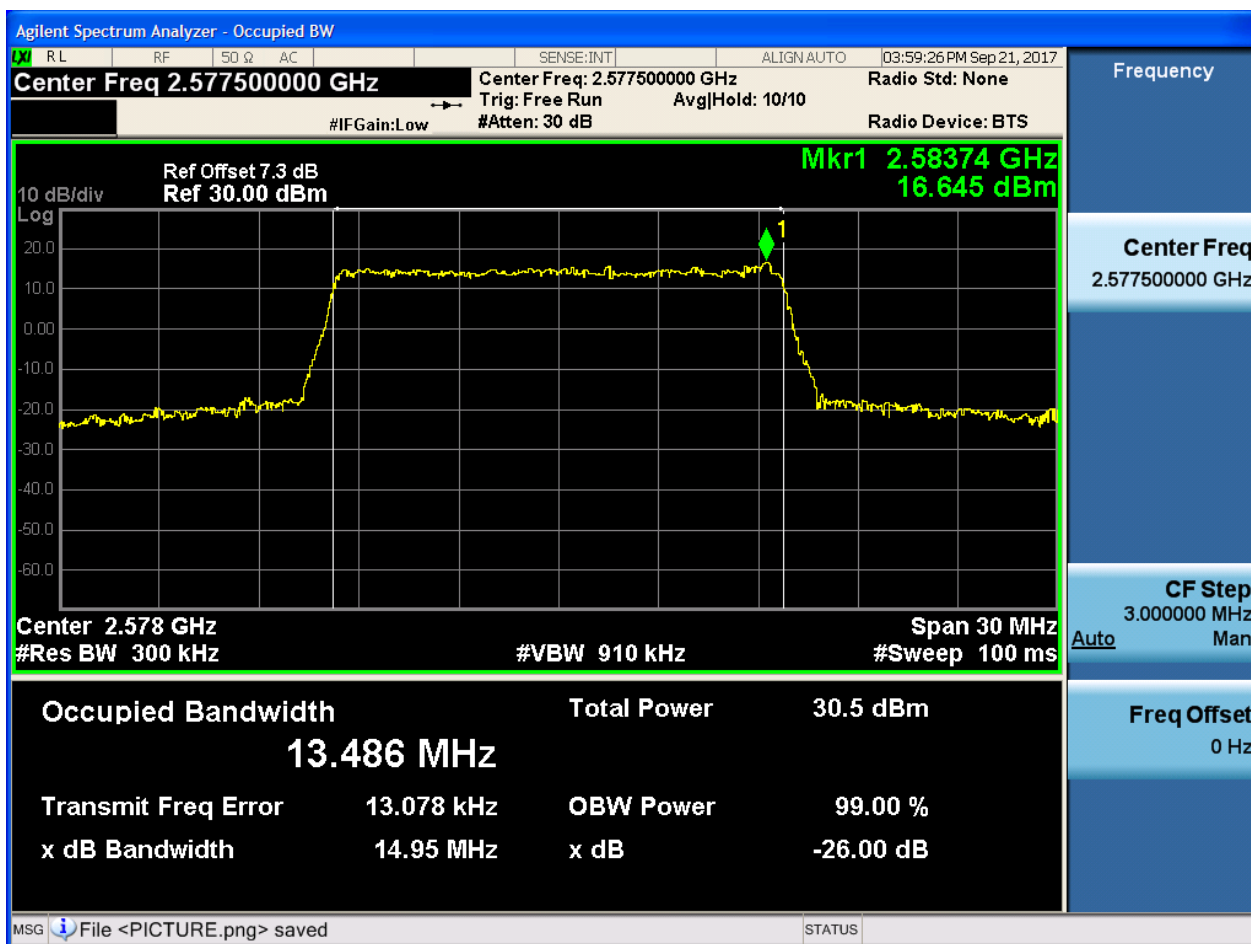




4.1.1.2.3 Test Bandwidth = 15

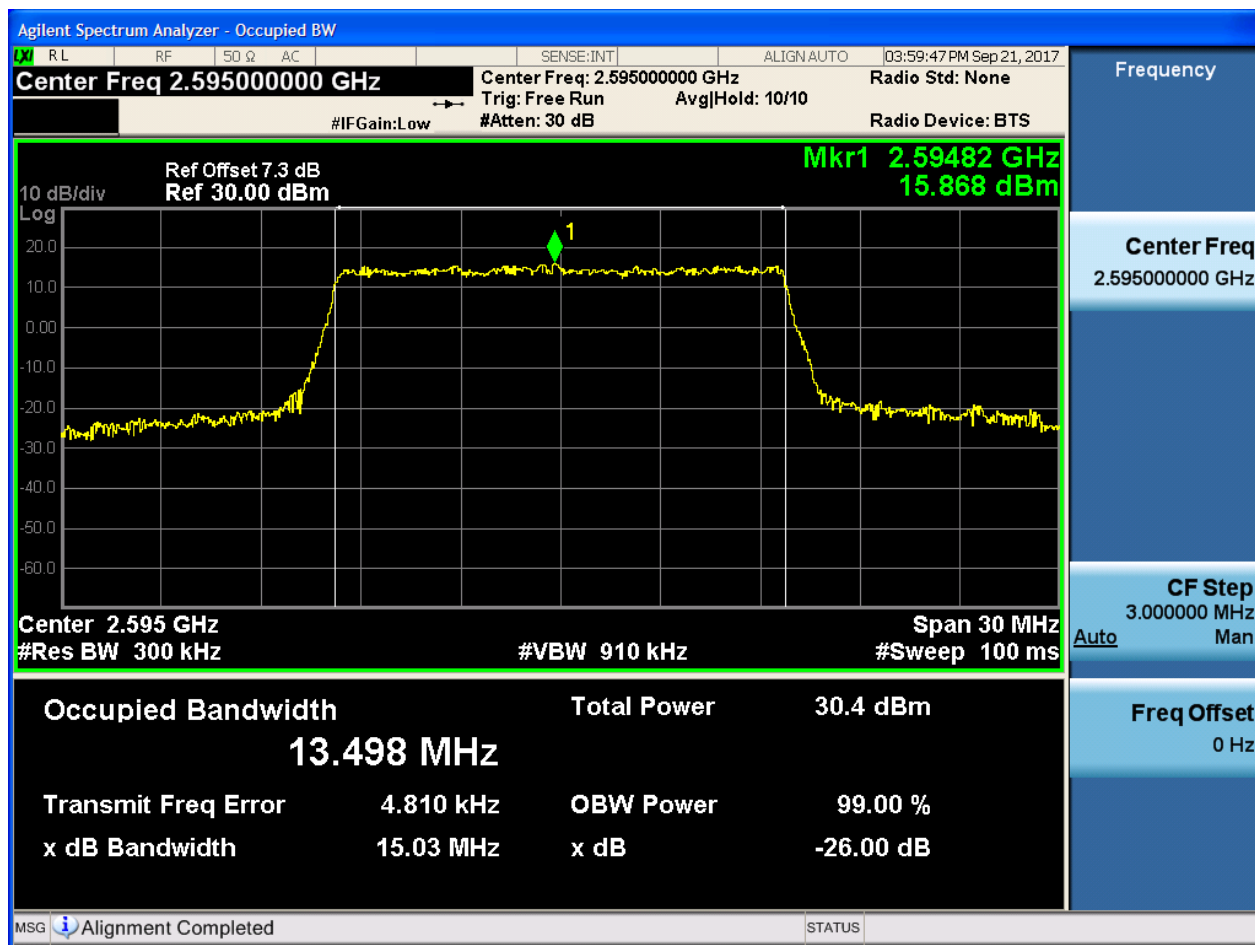
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB75#0



4.1.1.2.3.2 Test Channel = MCH

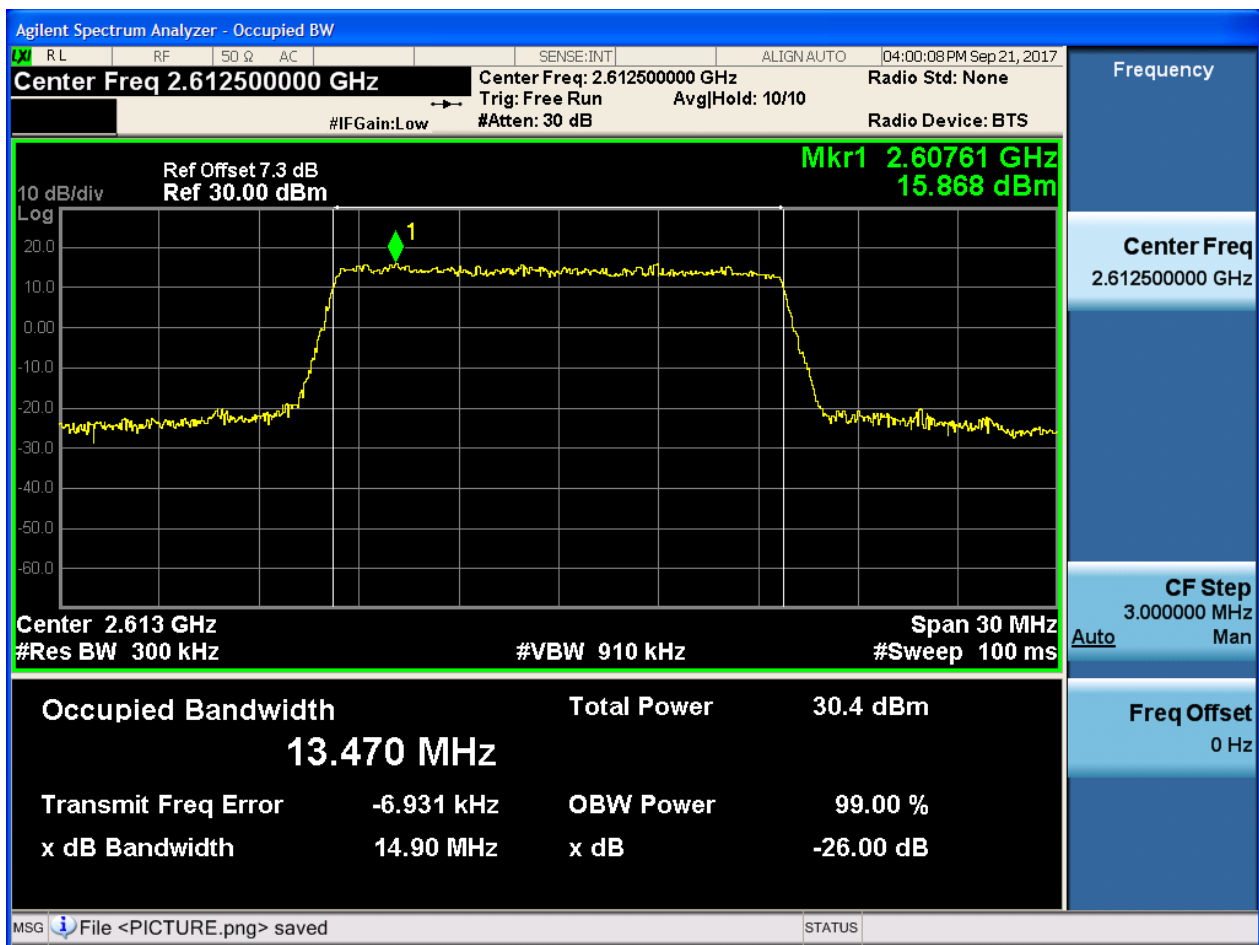
4.1.1.2.3.2.1 Test RB = RB75#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB75#0

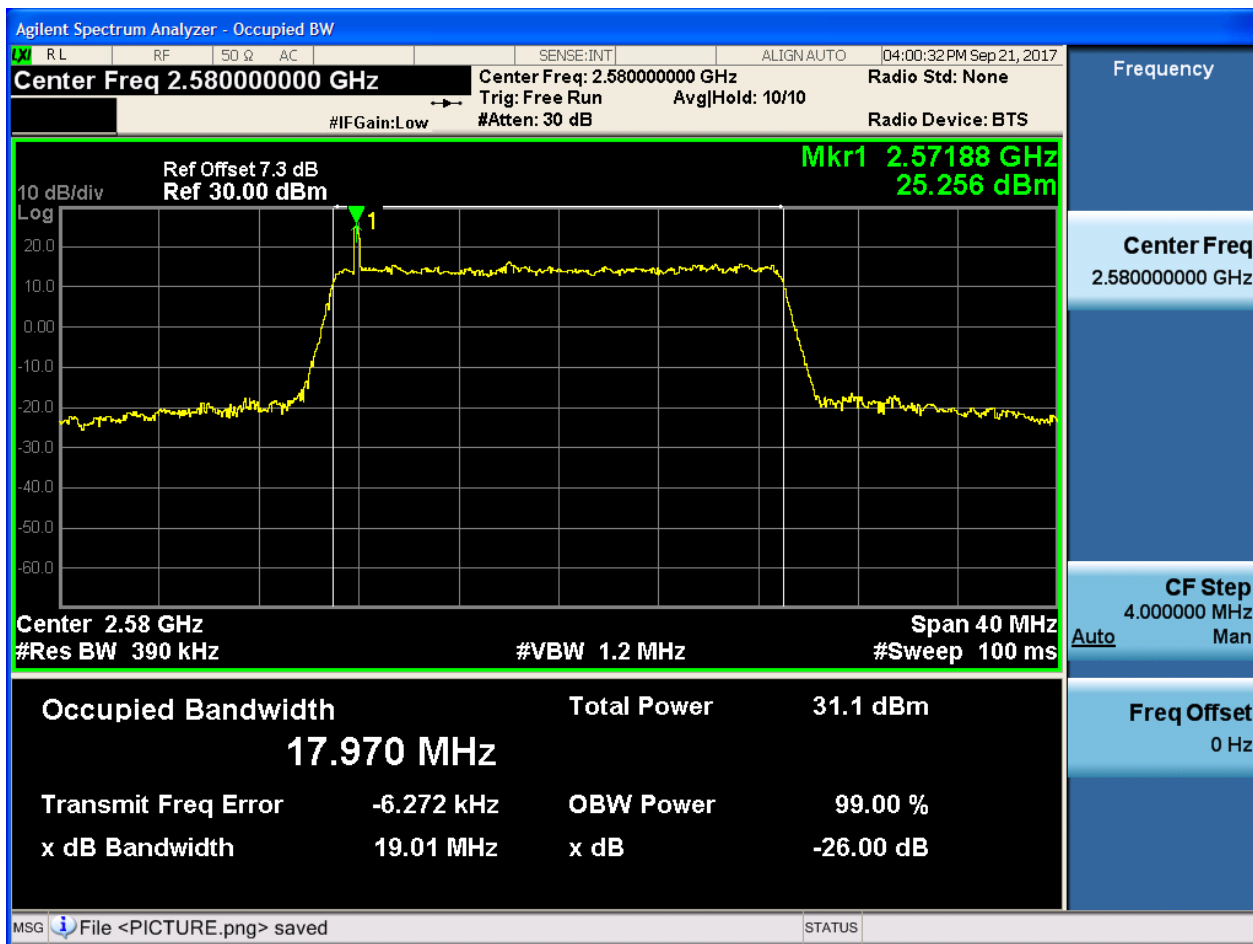




4.1.1.2.4 Test Bandwidth = 20

4.1.1.2.4.1 Test Channel = LCH

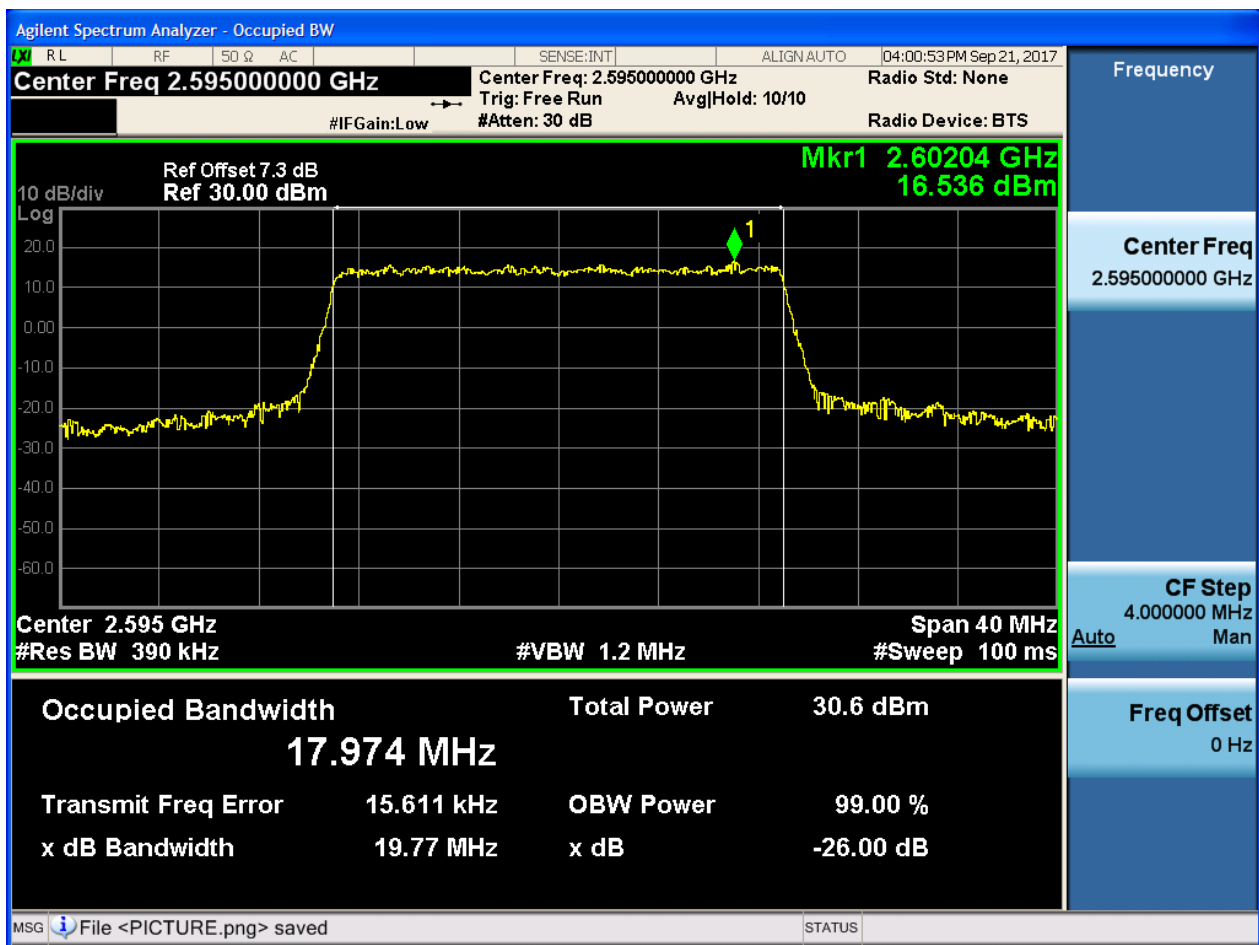
4.1.1.2.4.1.1 Test RB = RB100#0





4.1.1.2.4.2 Test Channel = MCH

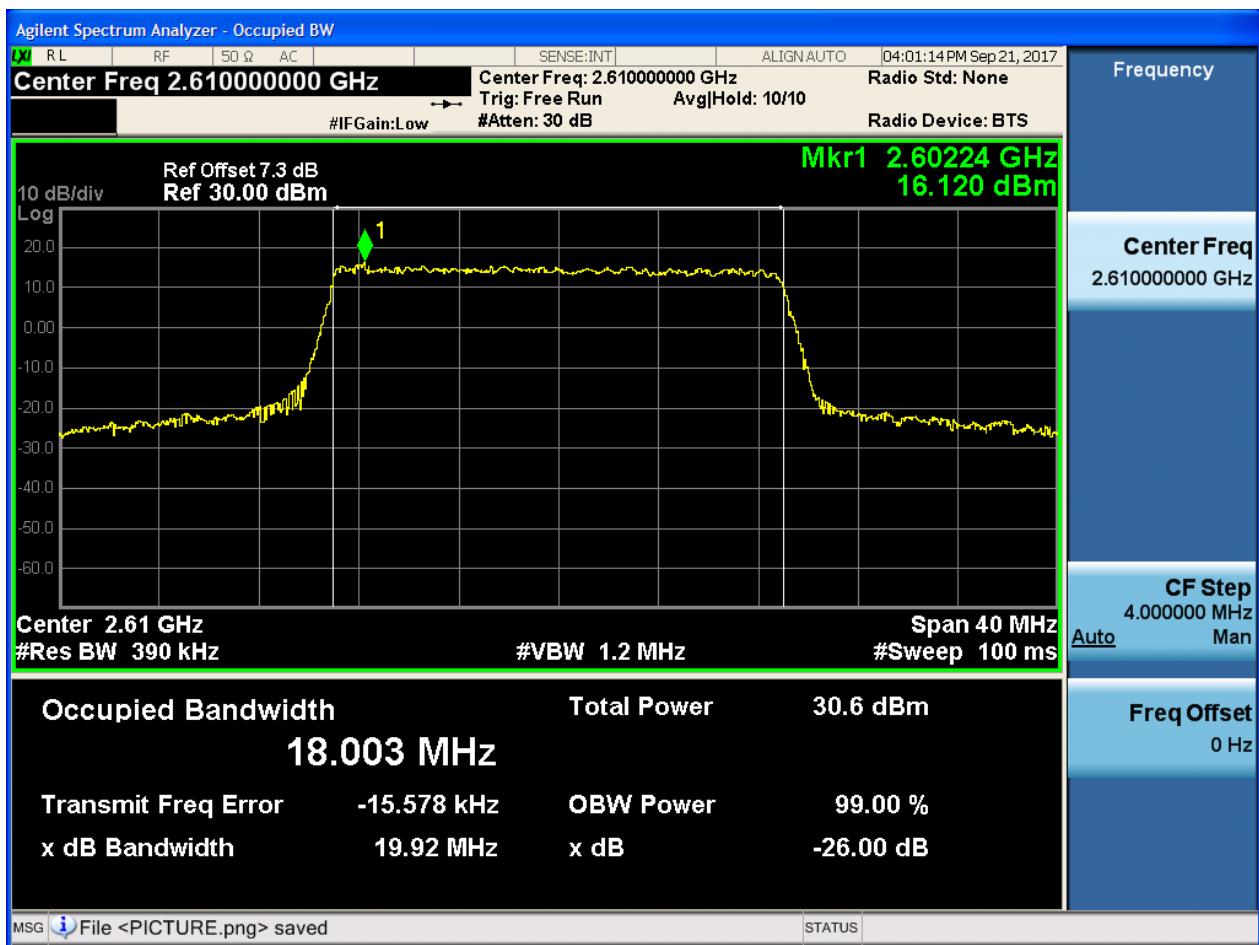
4.1.1.2.4.2.1 Test RB = RB100#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

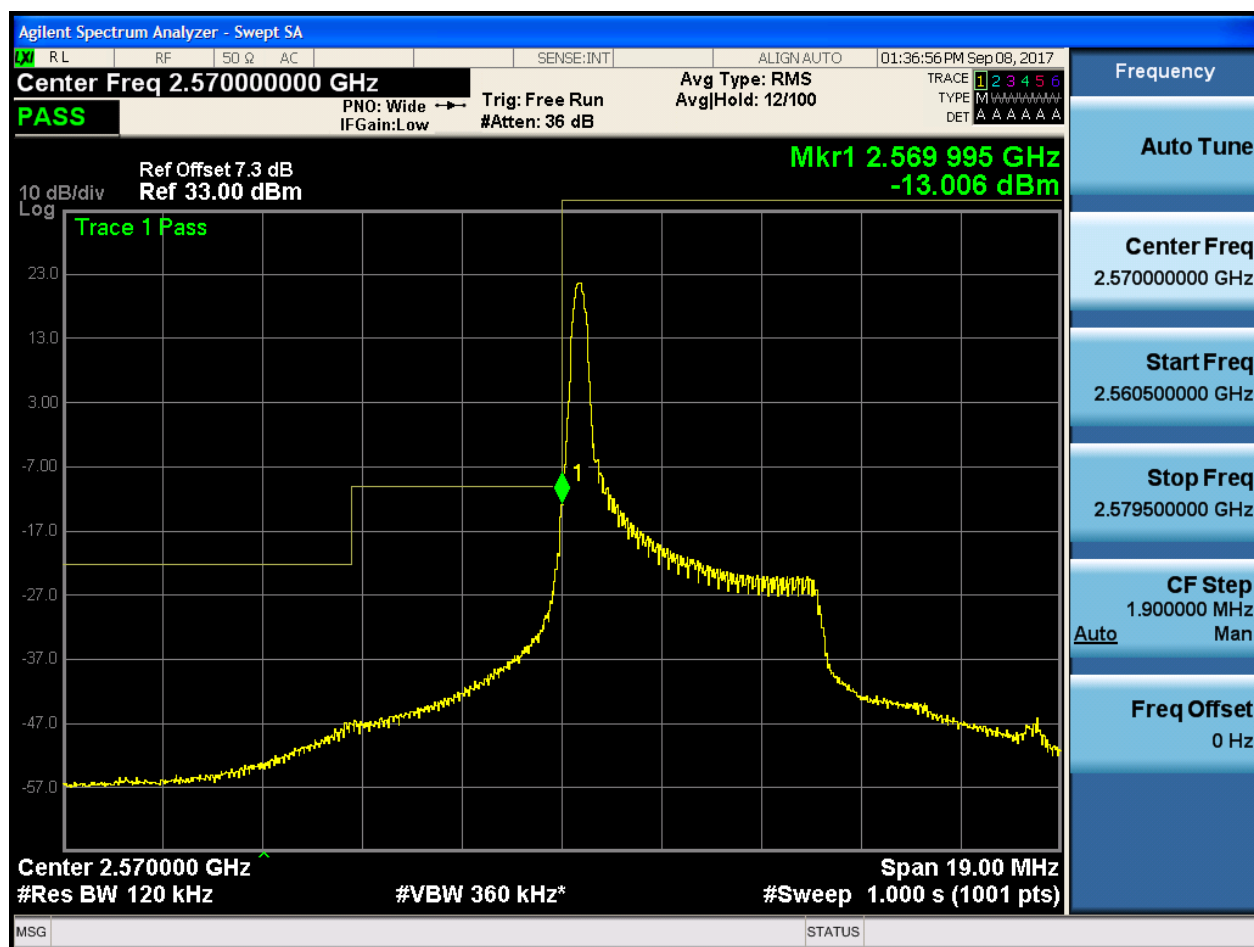
5.1.1 Test Band = BAND38

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

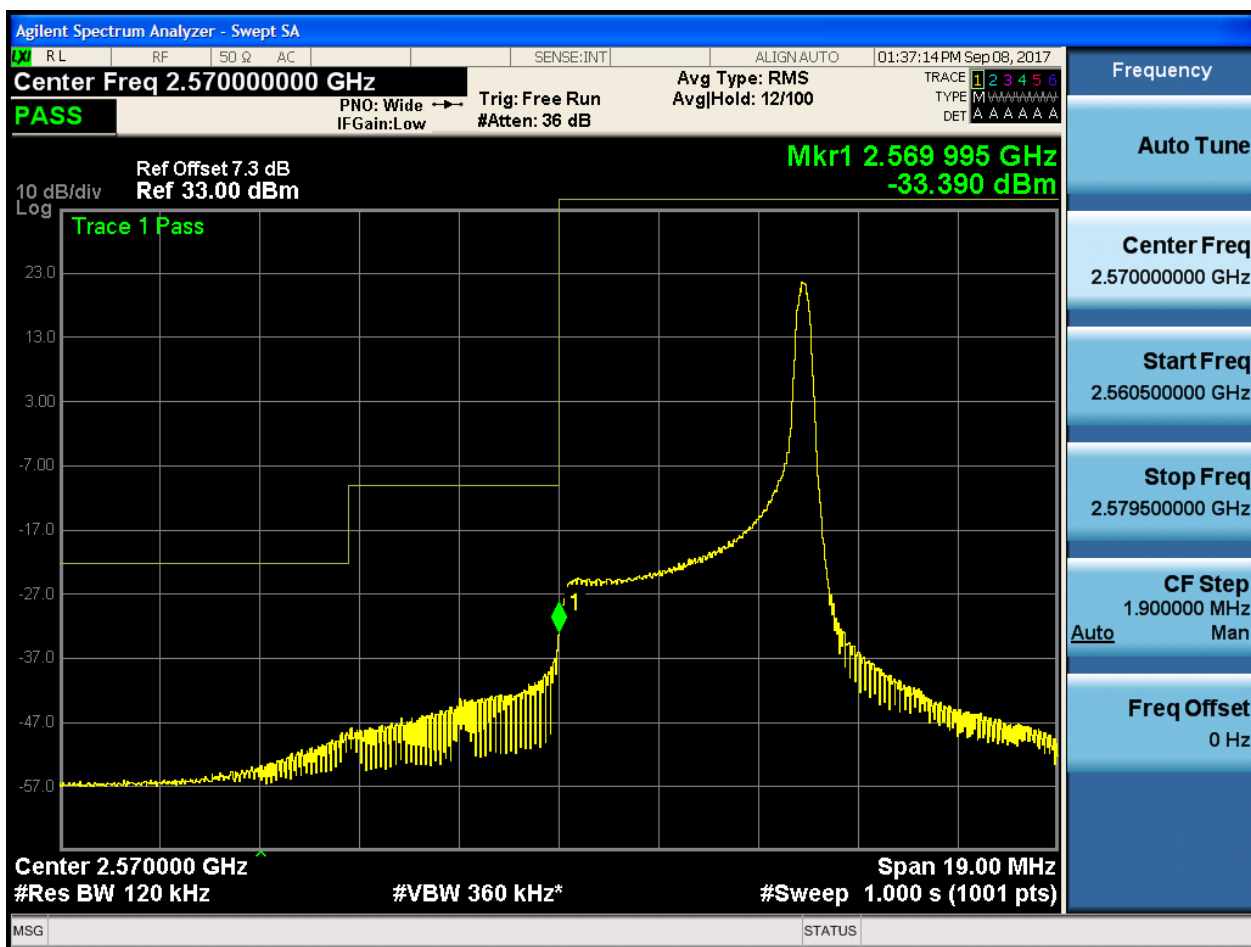
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:37:32 PM Sep 08, 2017

Center Freq 2.570000000 GHz Avg Type: RMS
PASS PNO: Wide Trg: 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 33.00 dBm

Mkr1 2.569 995 GHz
-26.696 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.570000 GHz
#Res BW 120 kHz

#VBW 360 kHz*

Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.560500000 GHz

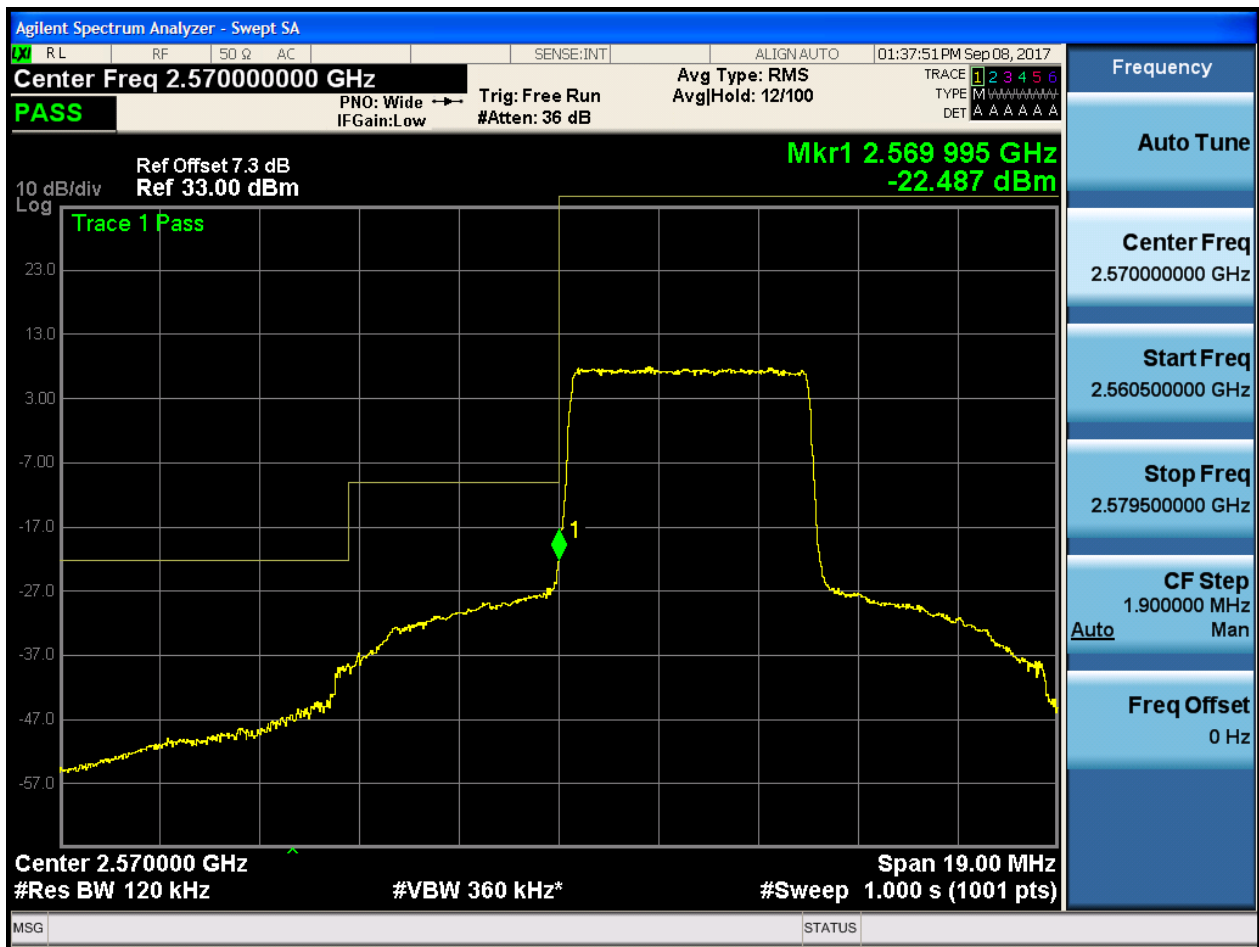
Stop Freq
2.579500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz

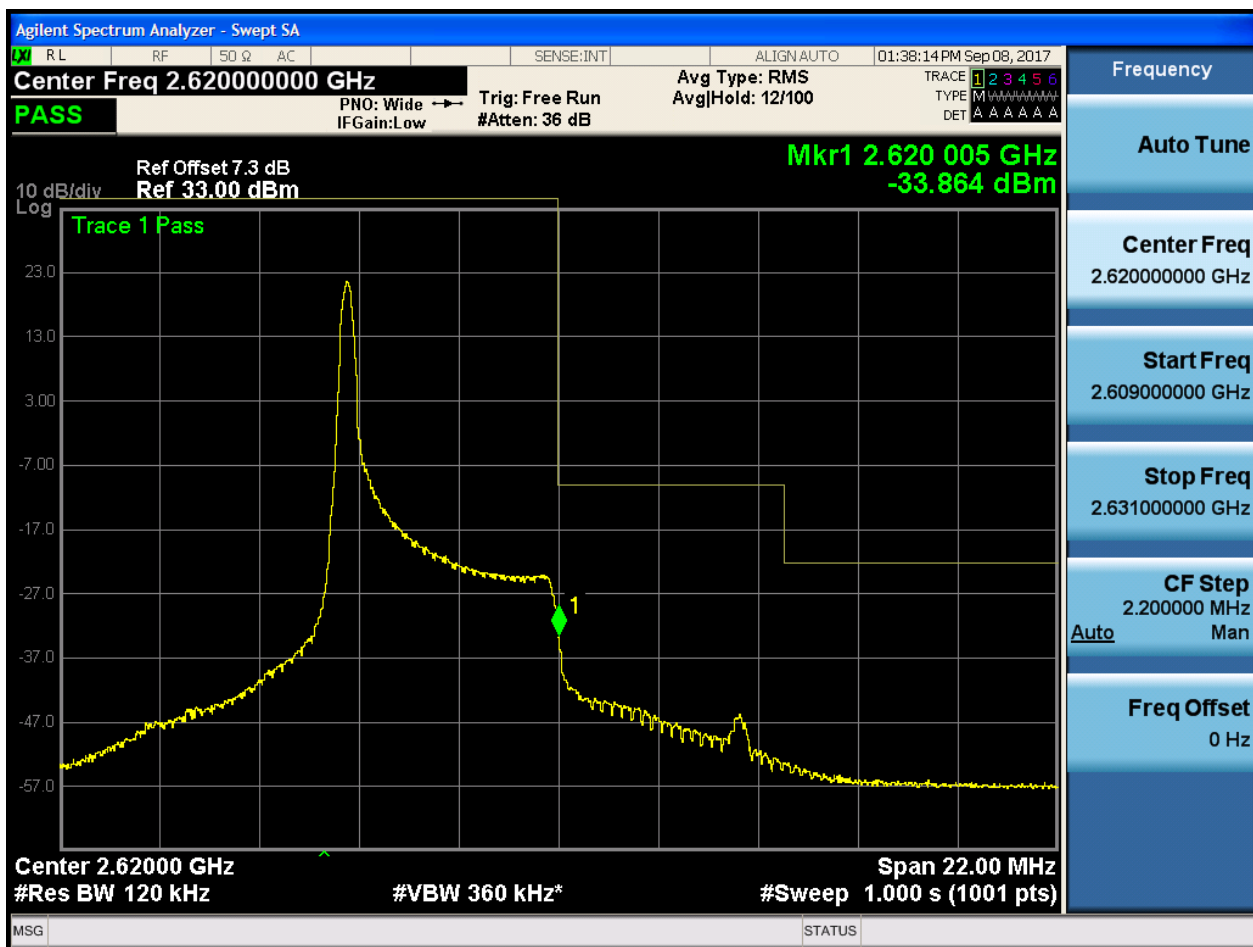


5.1.1.1.1.4 Test RB = RB25#0



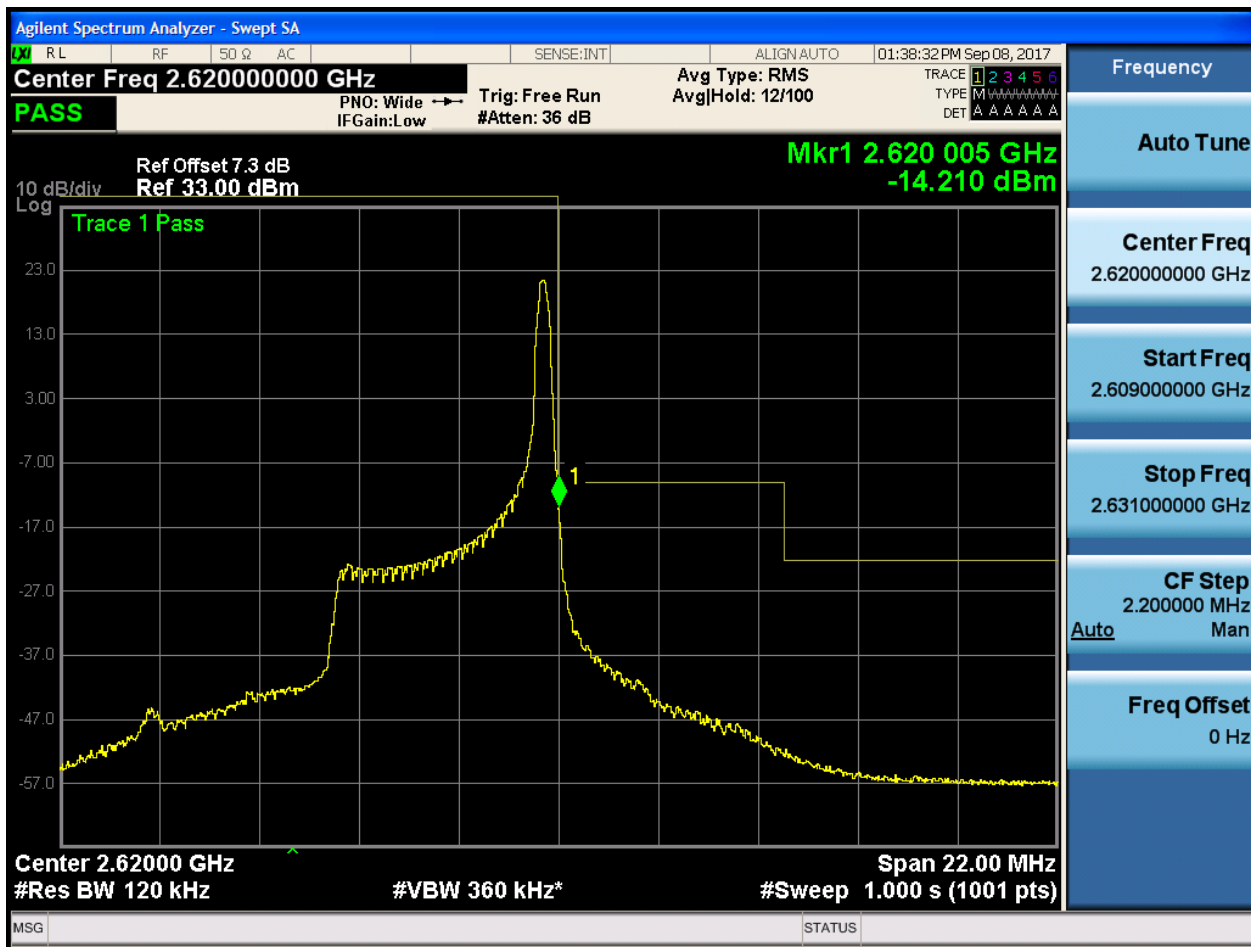
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



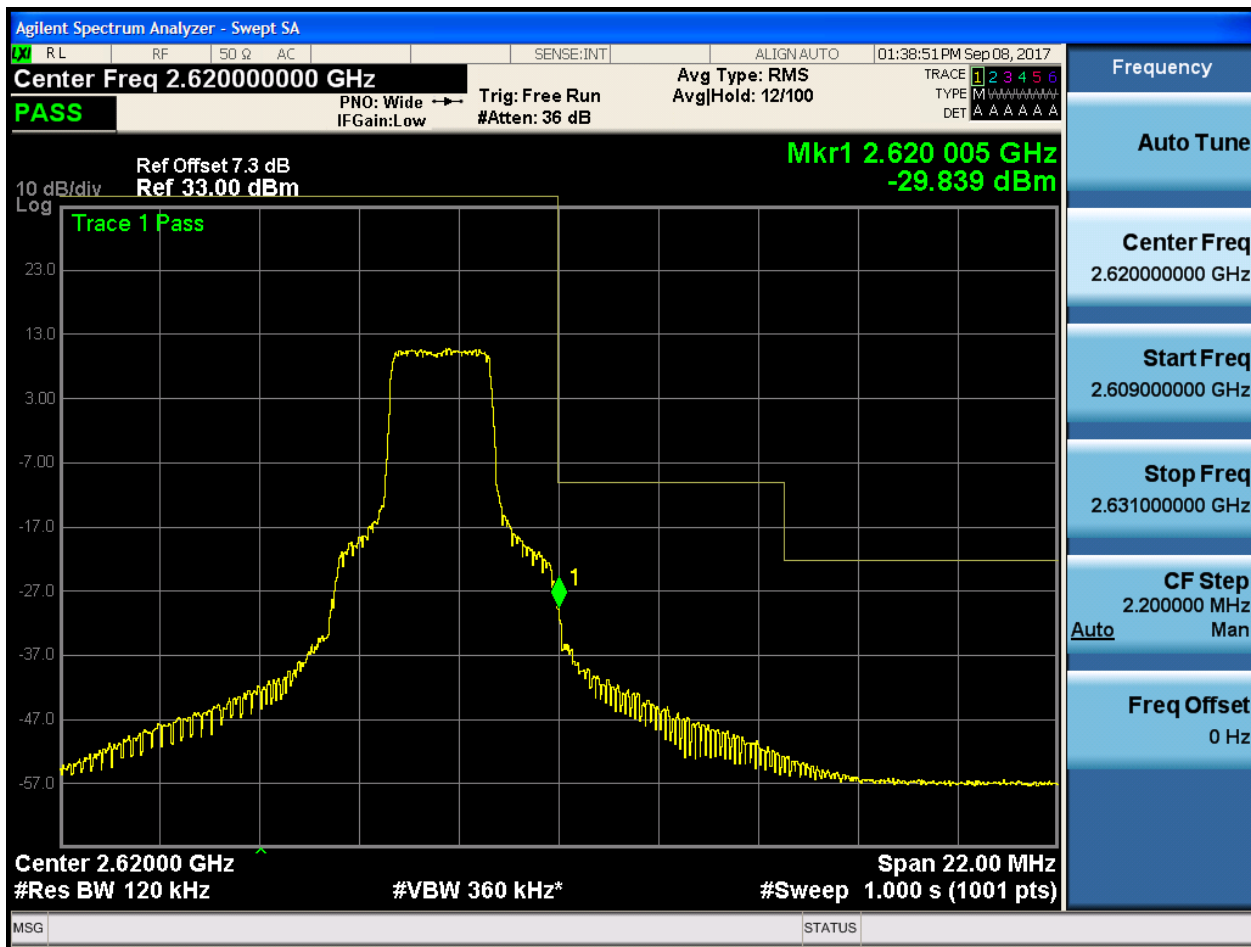


5.1.1.1.2.2 Test RB = RB1#24





5.1.1.1.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:39:09 PM Sep 08, 2017

Center Freq 2.620000000 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 A

Ref Offset 7.3 dB
Ref 33.00 dBm

Mkr1 2.620 005 GHz
-26.099 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.62000 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
2.620000000 GHz

Start Freq
2.609000000 GHz

Stop Freq
2.631000000 GHz

CF Step
2.200000 MHz
Auto Man

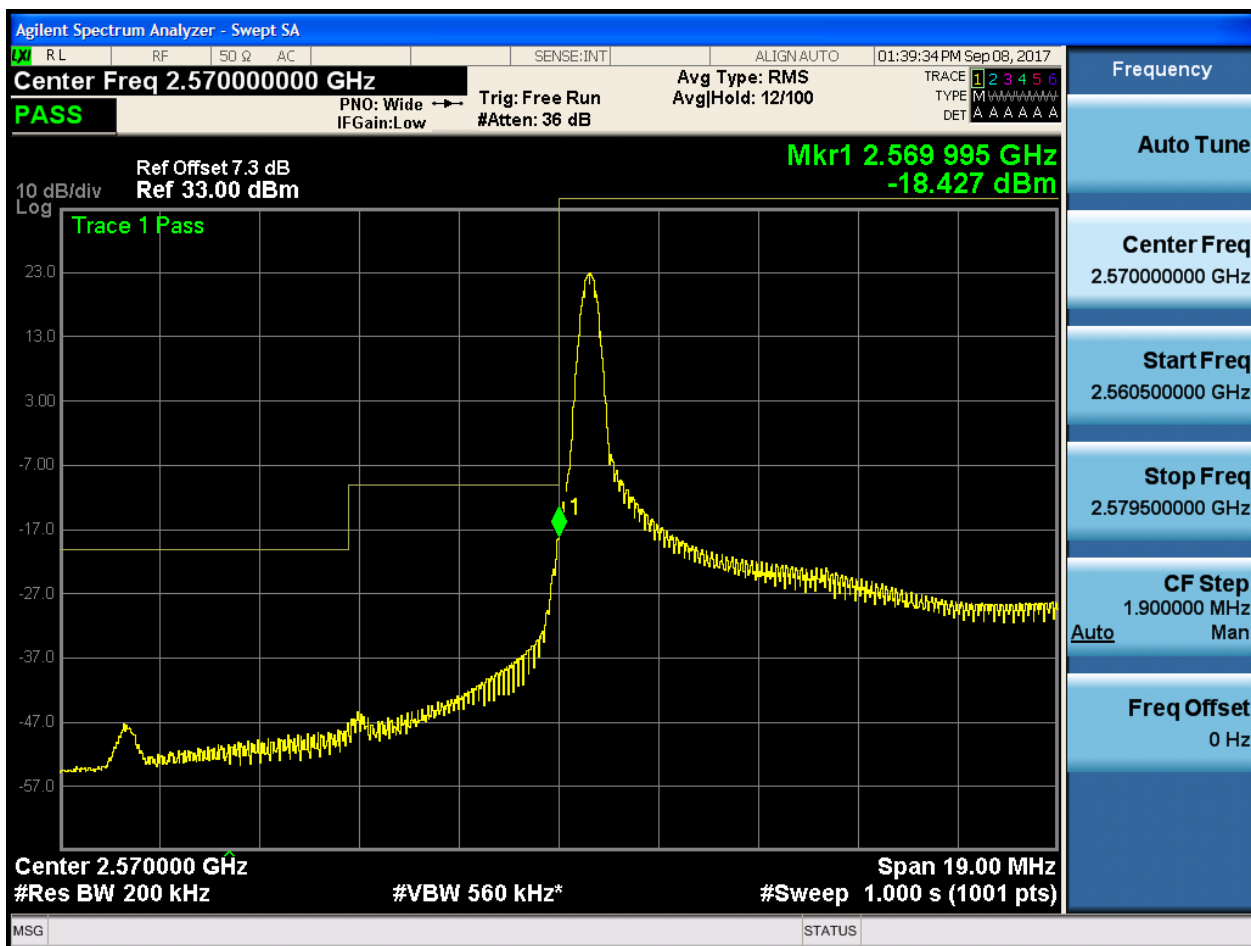
Freq Offset
0 Hz



5.1.1.1.2 Test Bandwidth = 10

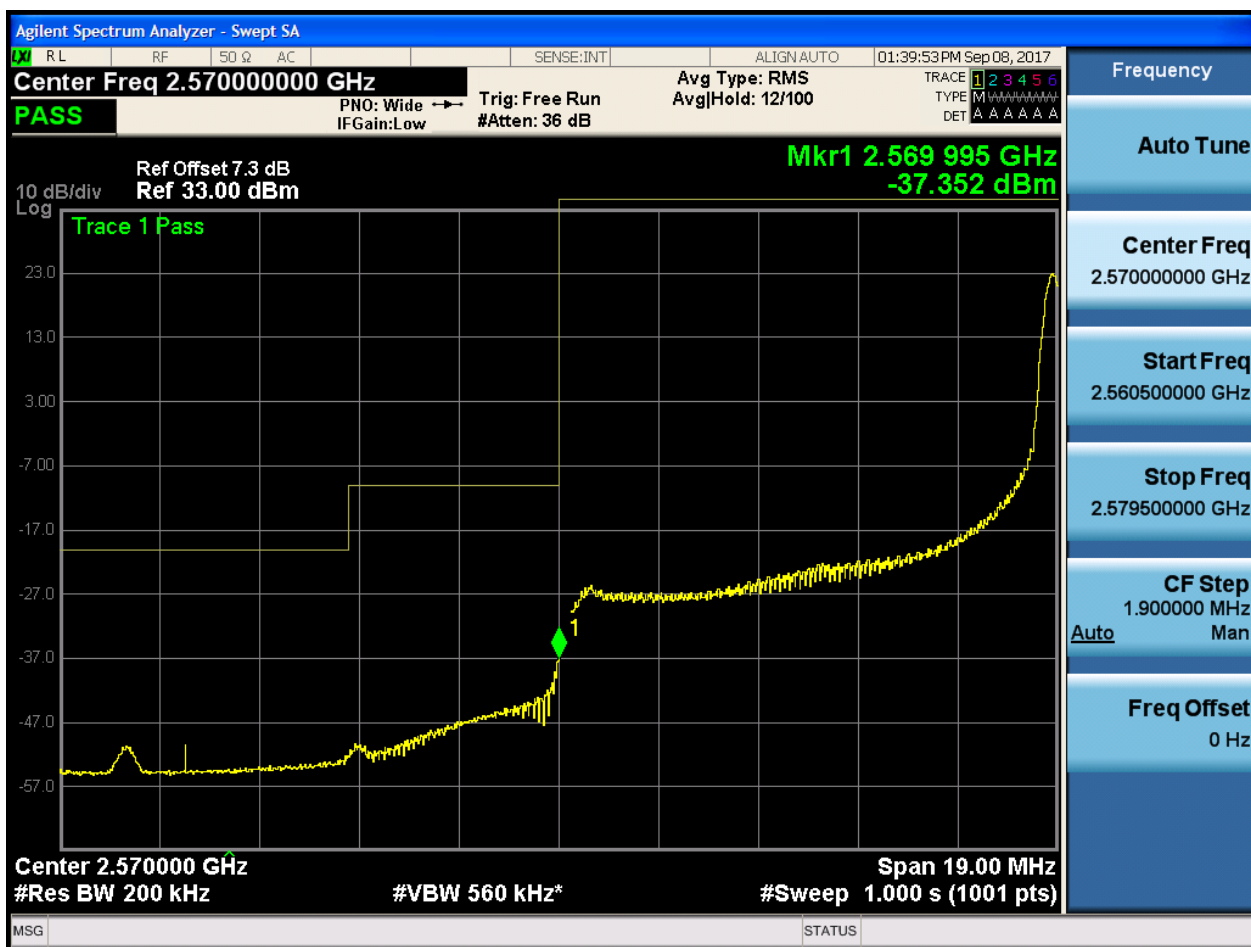
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



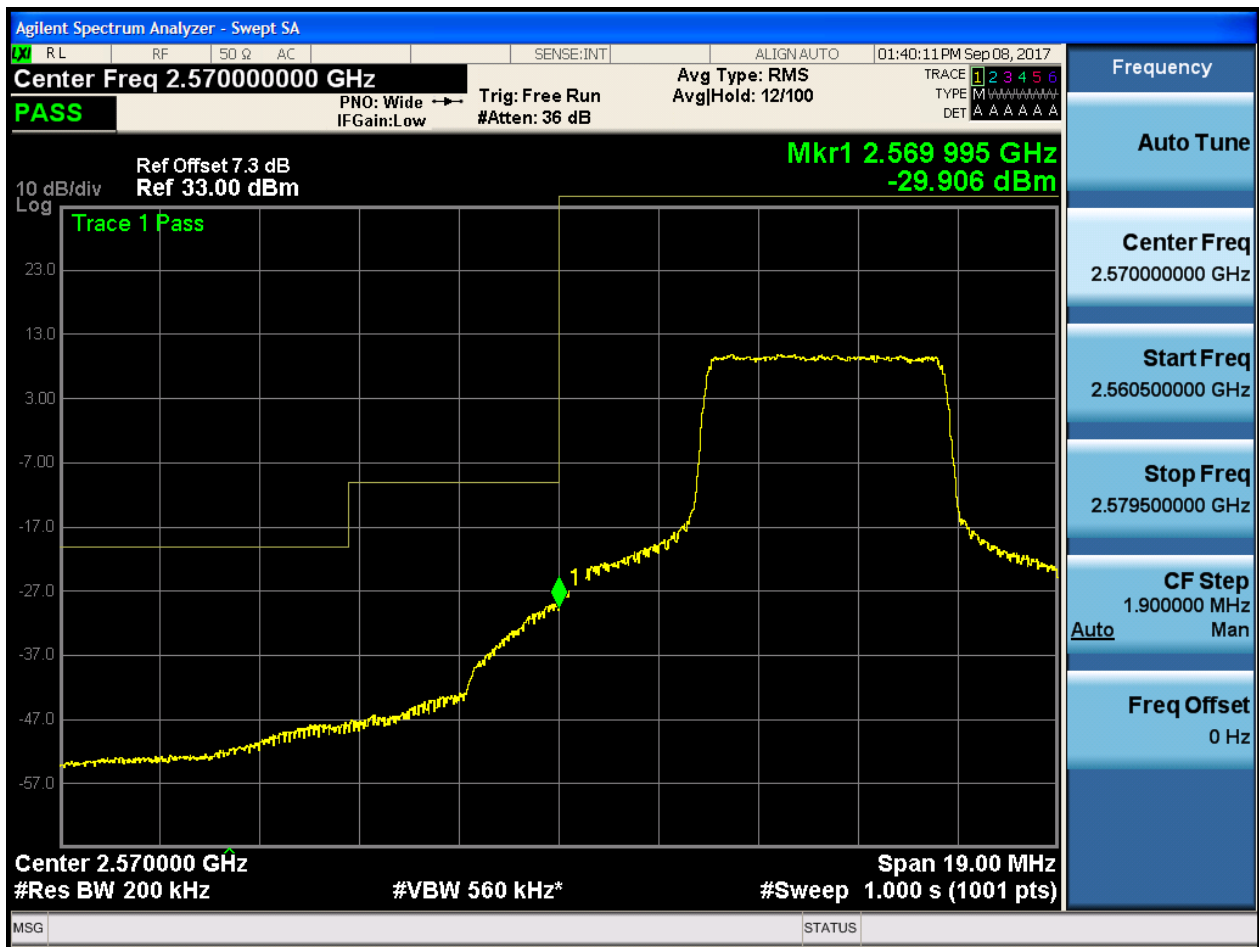


5.1.1.1.2.1.2 Test RB = RB1#49



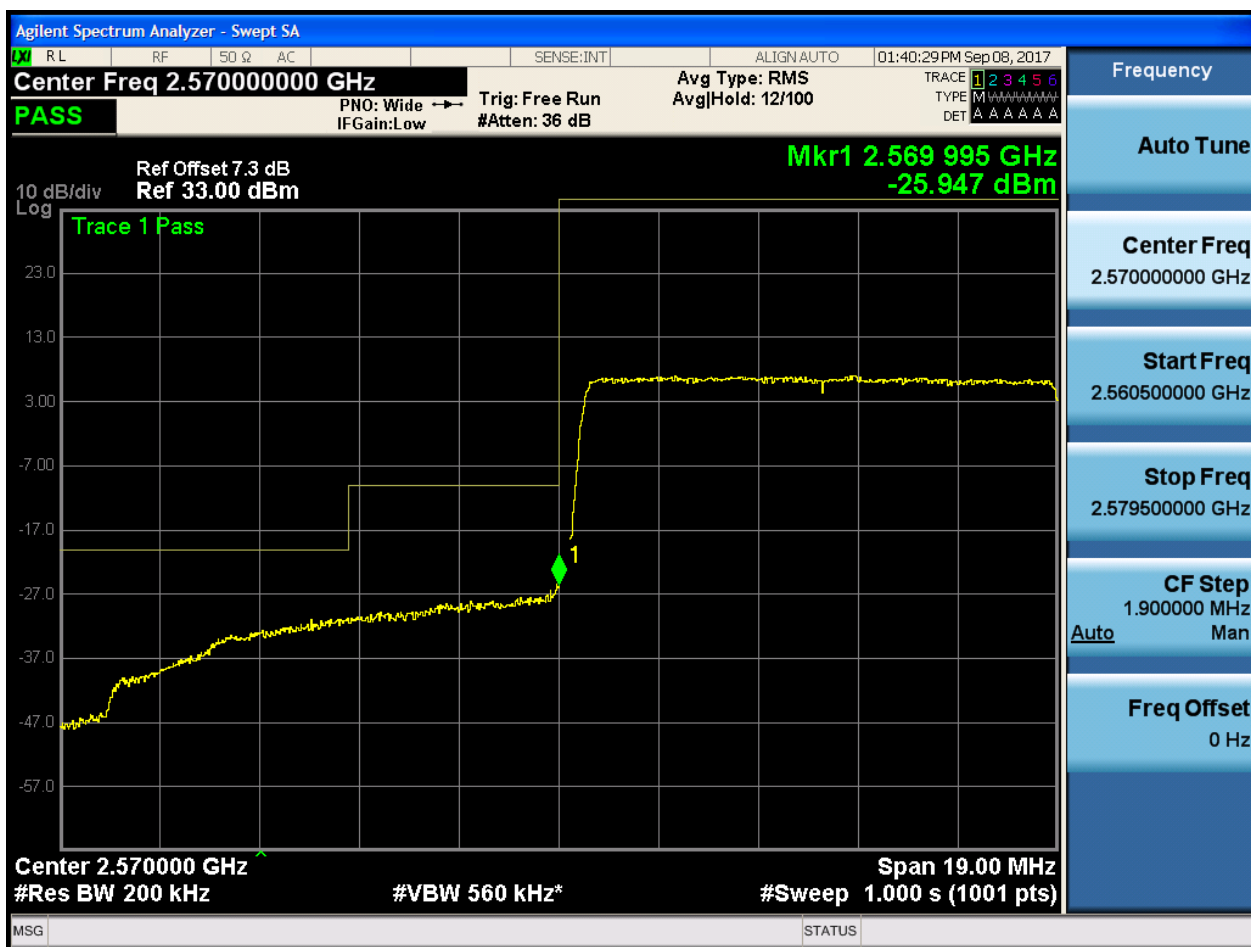


5.1.1.1.2.1.3 Test RB = RB25#13



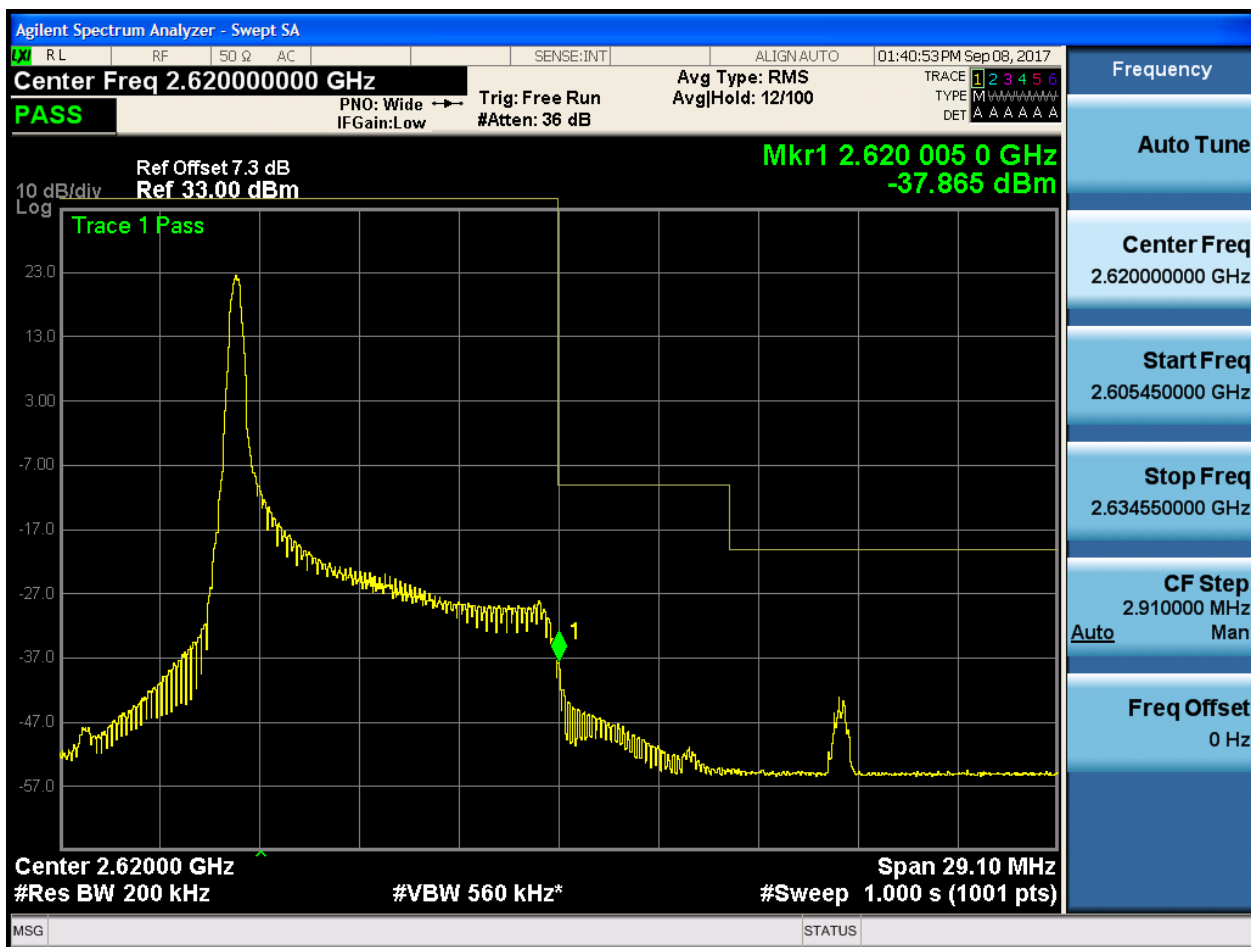


5.1.1.1.2.1.4 Test RB = RB50#0



5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.620000000 GHz

Ref Offset 7.3 dB
Ref 33.00 dBm

10 dB/div
Log

Trace 1 Pass

Mkr1 2.620 005 0 GHz
-17.676 dBm

Center 2.62000 GHz
#Res BW 200 kHz
#VBW 560 kHz*

Span 29.10 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
2.620000000 GHz

Start Freq
2.605450000 GHz

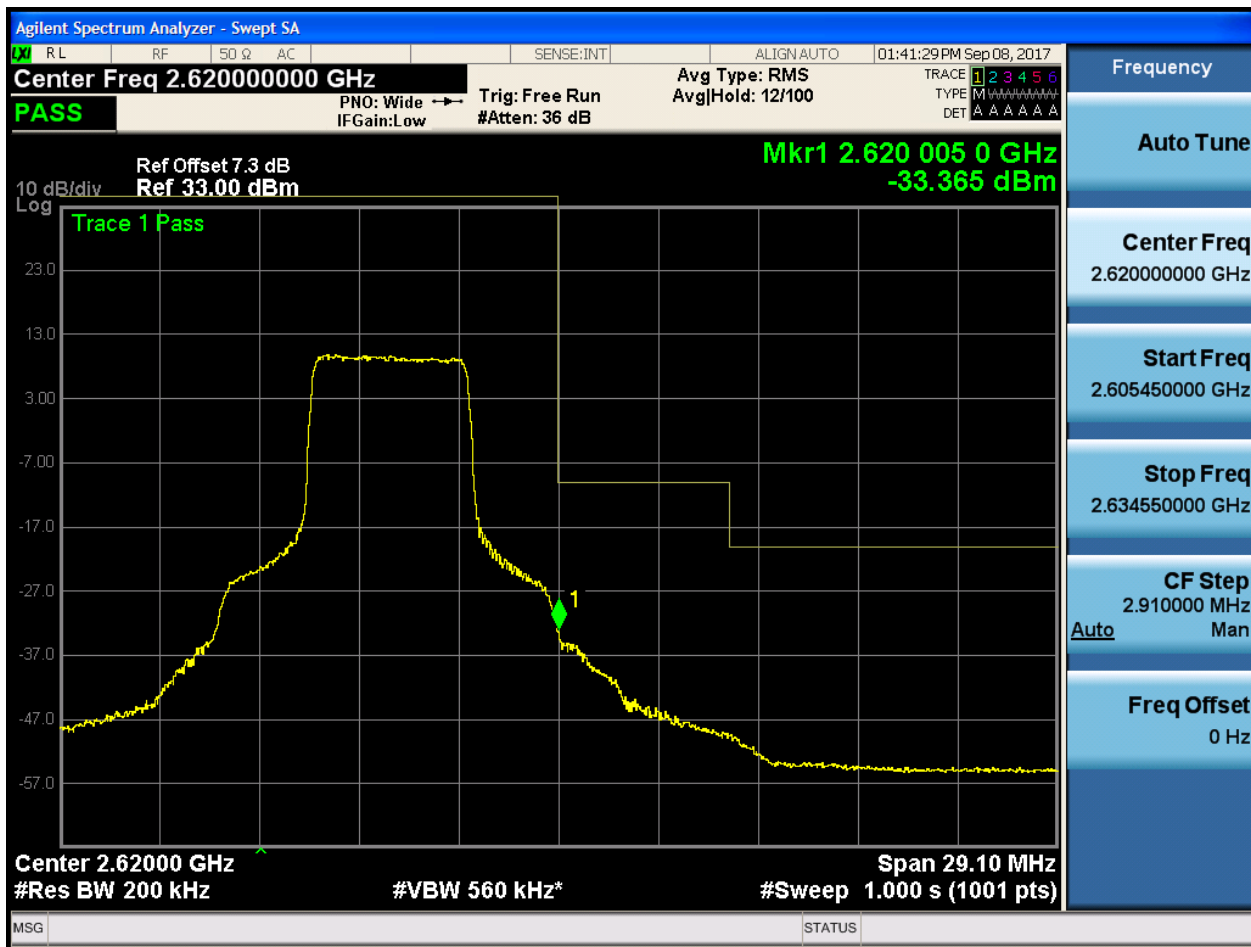
Stop Freq
2.634550000 GHz

CF Step
2.910000 MHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.2.3 Test RB = RB25#13





5.1.1.1.2.2.4 Test RB = RB50#0

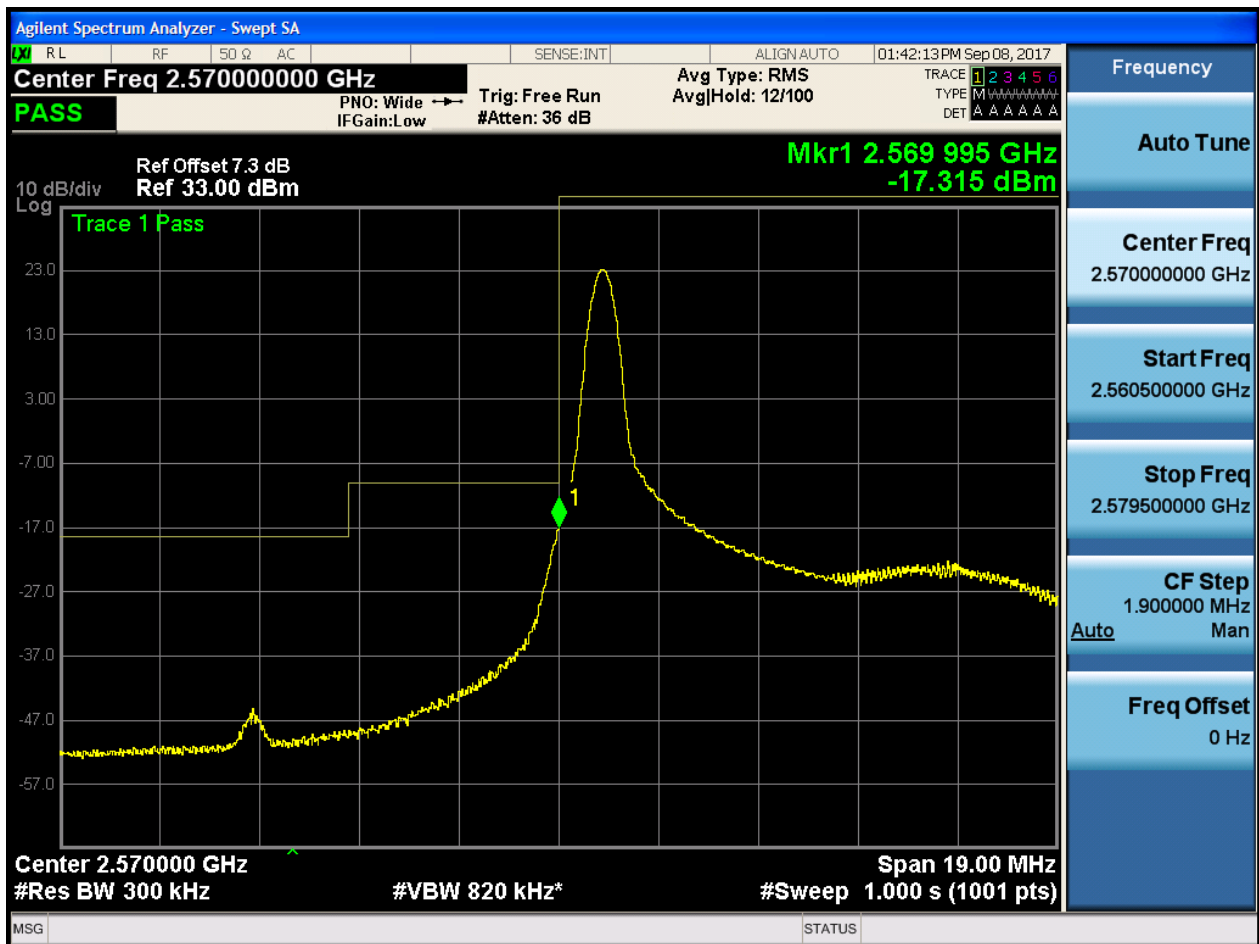




5.1.1.1.3 Test Bandwidth = 15

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:42:31 PM Sep 08, 2017

Center Freq 2.570000000 GHz Avg Type: RMS
#Res BW 300 kHz #VBW 820 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 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 2.569 995 GHz
-39.069 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.570000 GHz
#Res BW 300 kHz

Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.560500000 GHz

Stop Freq
2.579500000 GHz

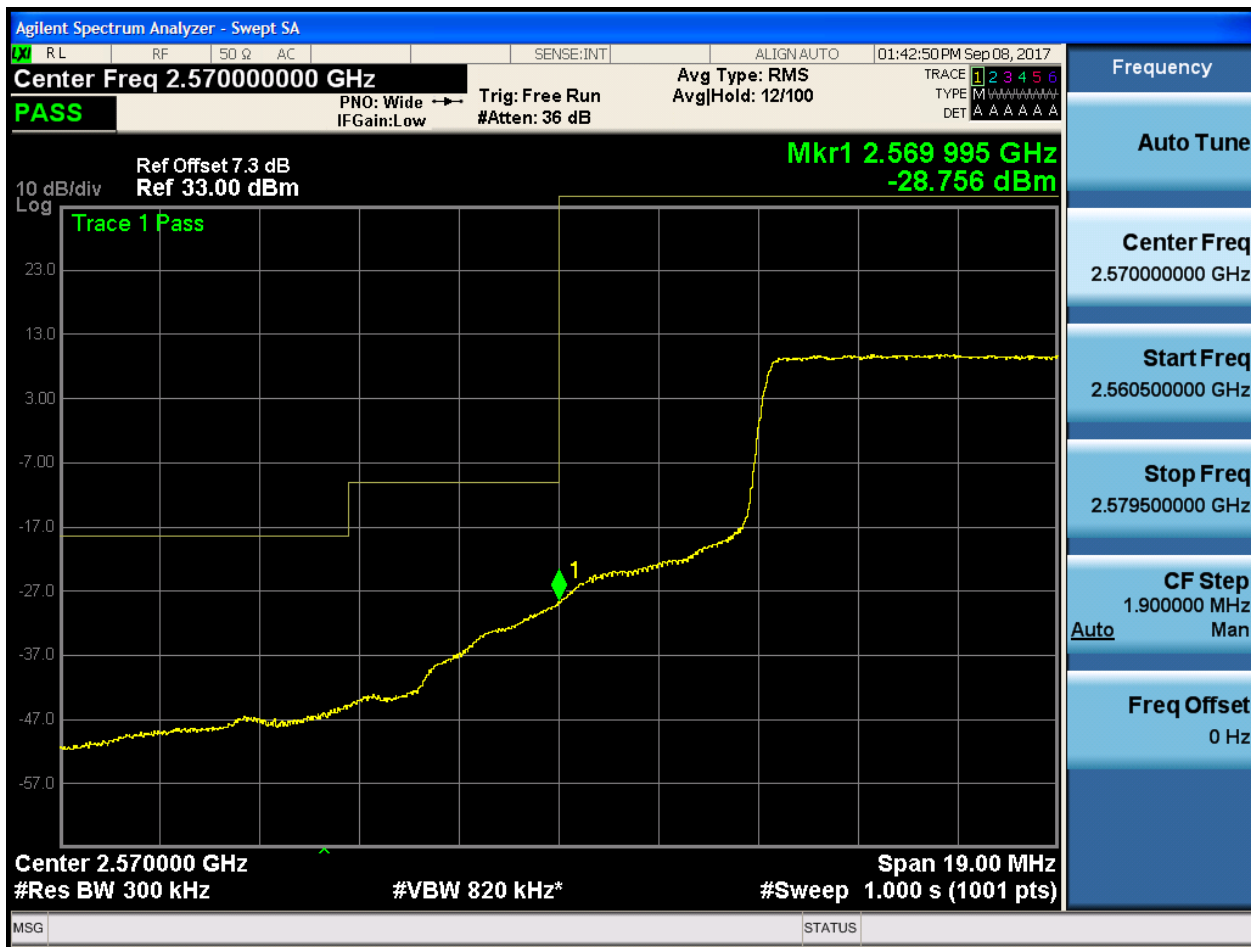
CF Step
1.900000 MHz
Man

Auto

Freq Offset
0 Hz

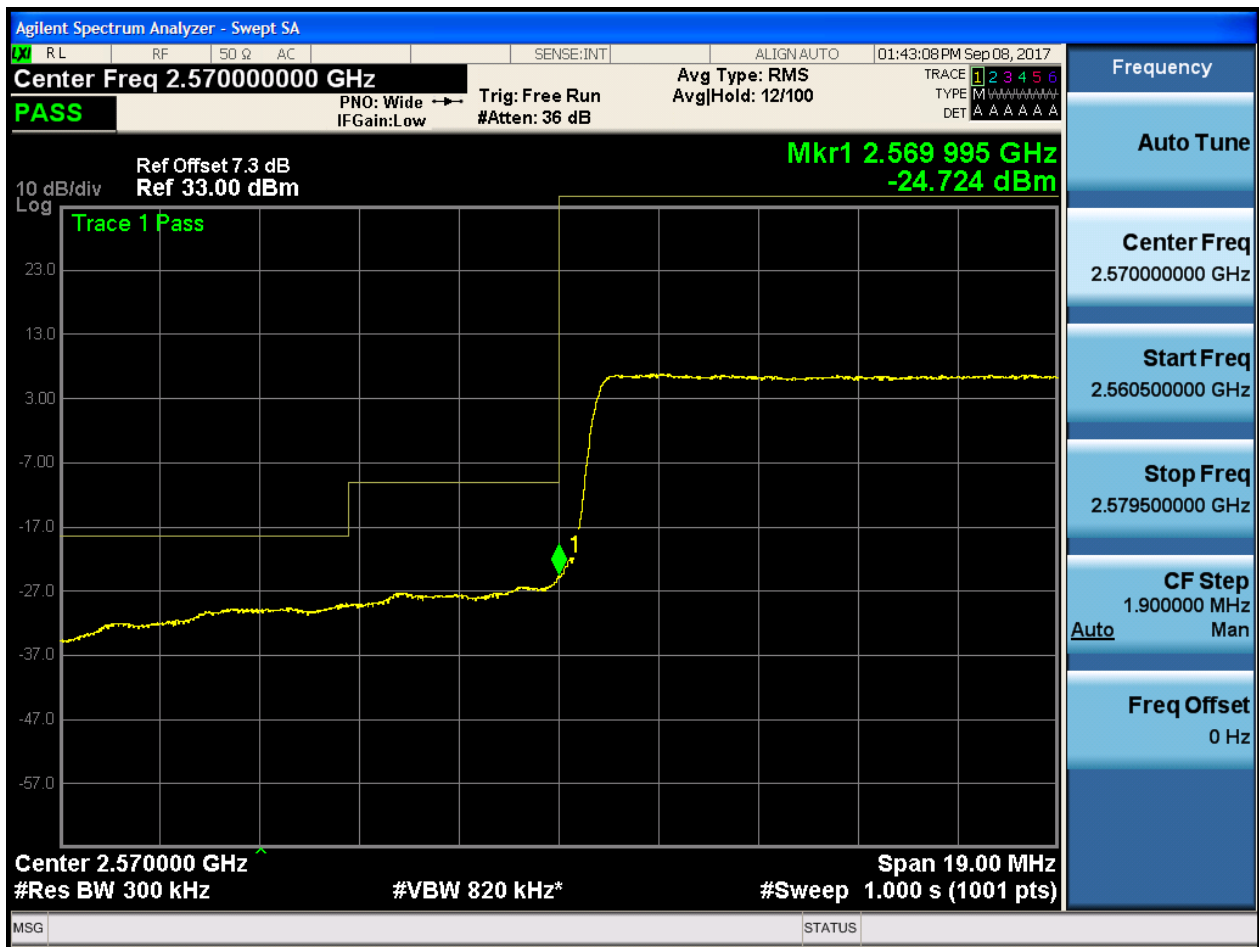


5.1.1.1.3.1.3 Test RB = RB36#18



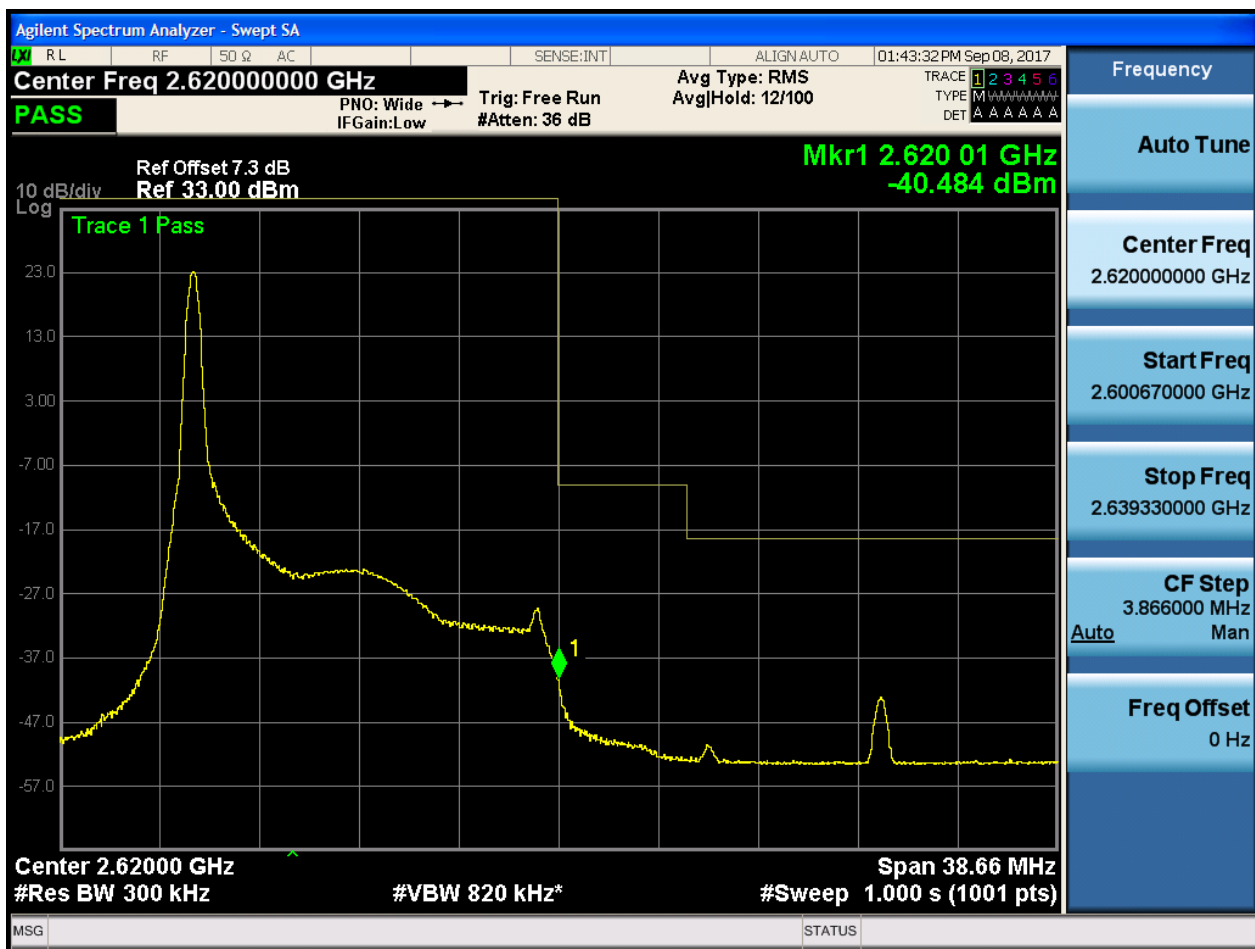


5.1.1.1.3.1.4 Test RB = RB75#0



5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 01:43:50 PM Sep 08, 2017

Center Freq 2.62000000 GHz Avg Type: RMS
#Res BW 300 kHz PNO: Wide IF Gain: Low Trig: Free Run Avg Hold: 12/100
PASS #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 33.00 dBm

Mkr1 2.620 01 GHz
-17.620 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.62000 GHz
#Res BW 300 kHz
#VBW 820 kHz*
Span 38.66 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.620000000 GHz

Start Freq
2.600670000 GHz

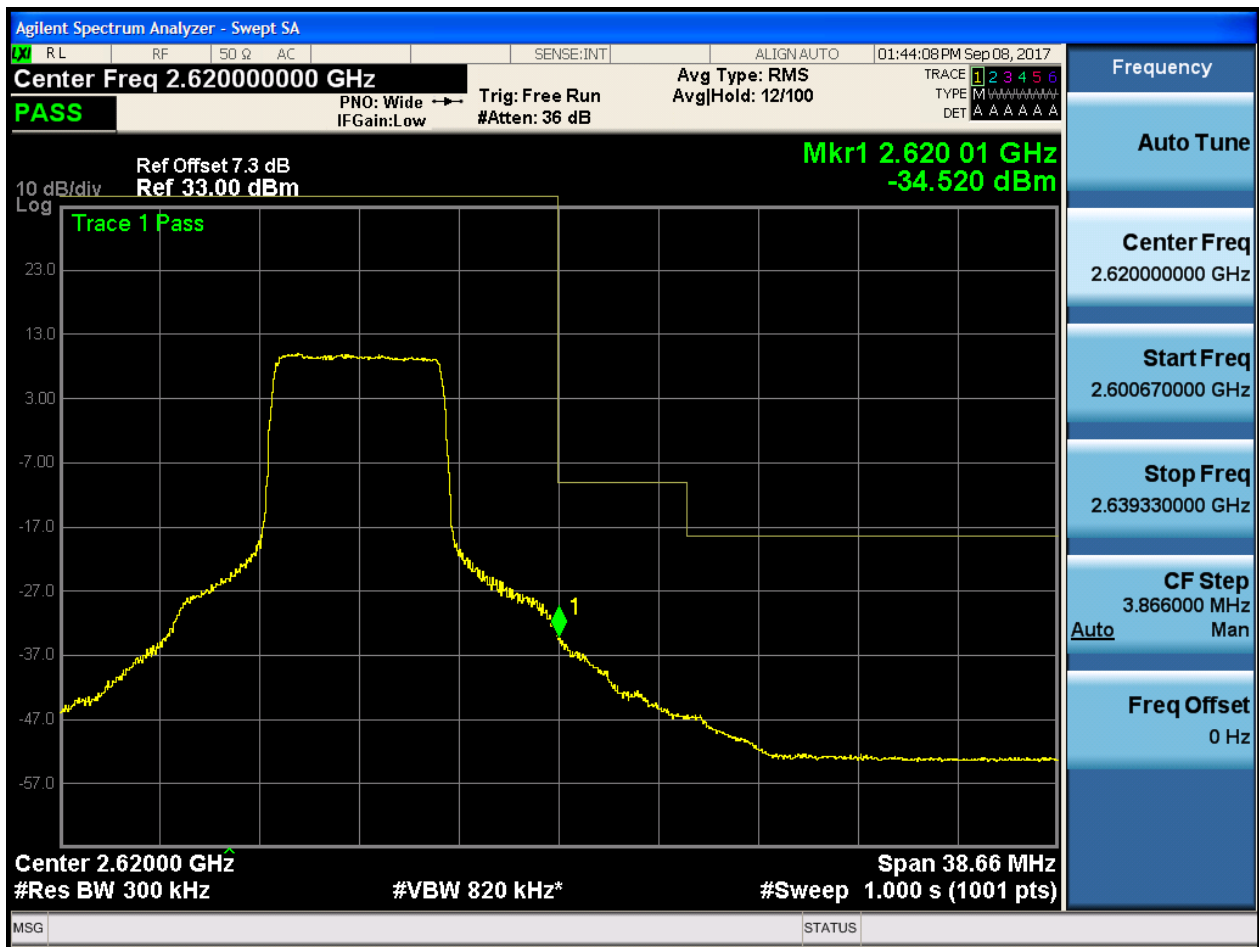
Stop Freq
2.639330000 GHz

CF Step
3.866000 MHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.3.2.3 Test RB = RB36#18





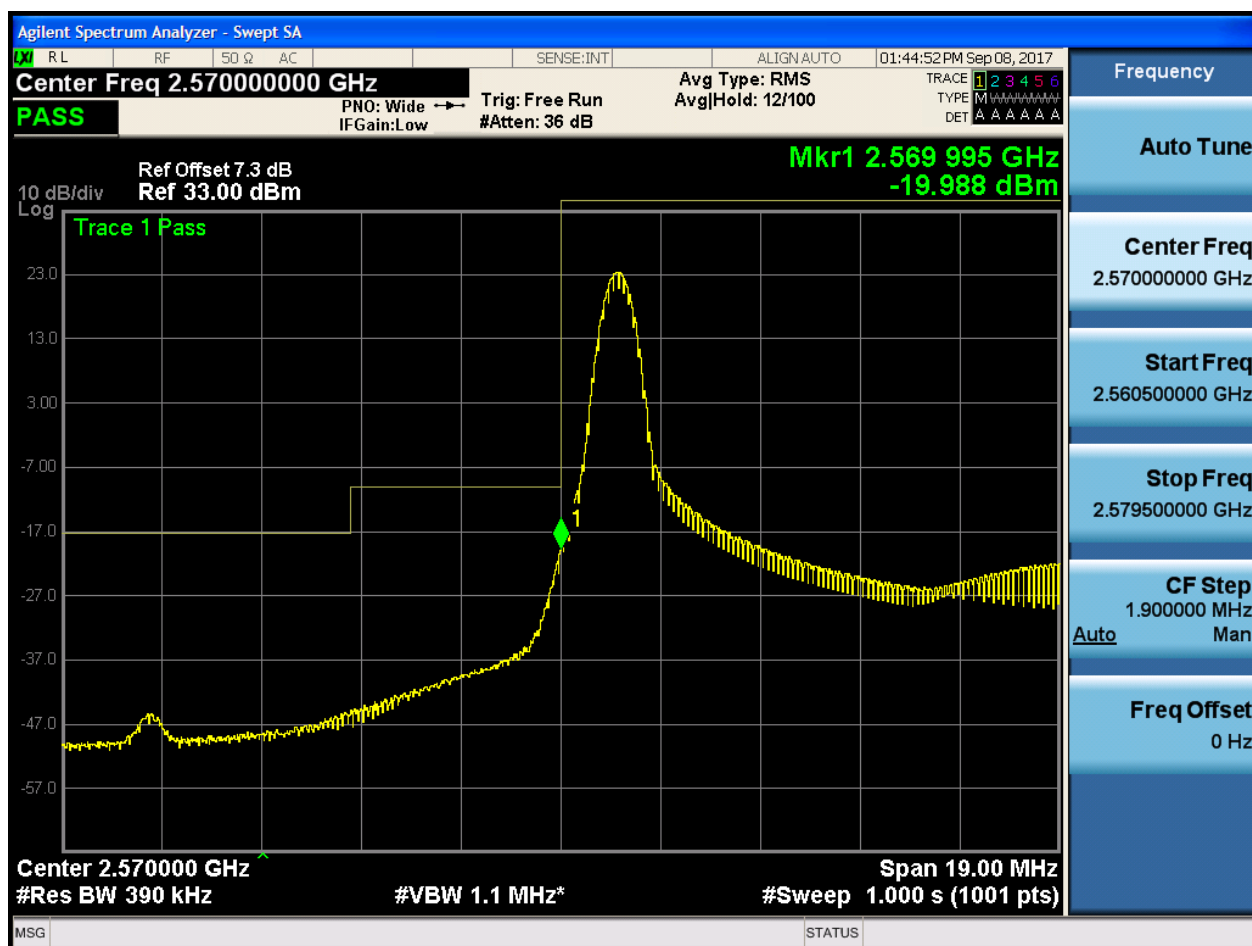
5.1.1.1.3.2.4 Test RB = RB75#0



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





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.570000000 GHz

PASS

Ref Offset 7.3 dB
Ref 33.00 dBm

10 dB/div
Log

Trace 1 Pass

Mkr1 2.569 995 GHz
-40.218 dBm

Center 2.570000 GHz
#Res BW 390 kHz
#VBW 1.1 MHz*
Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.560500000 GHz

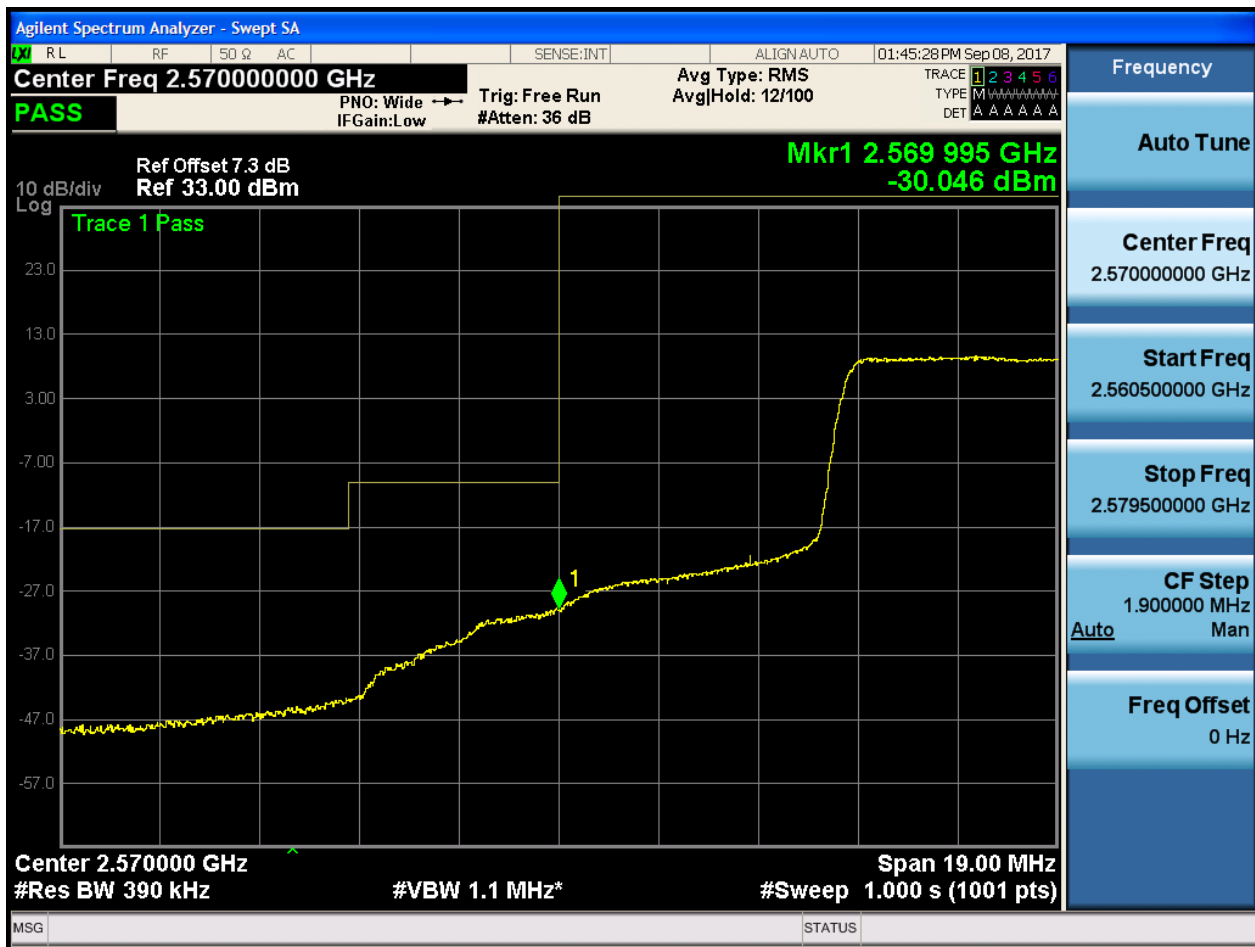
Stop Freq
2.579500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.4.1.3 Test RB = RB50#25





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:45:47 PM Sep 08, 2017

Center Freq 2.570000000 GHz Avg Type: RMS
#Res BW 390 kHz #VBW 1.1 MHz* #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 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 2.569 995 GHz
-27.515 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.570000 GHz Span 19.00 MHz

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.560500000 GHz

Stop Freq
2.579500000 GHz

CF Step
1.900000 MHz
Auto Man

Freq Offset
0 Hz

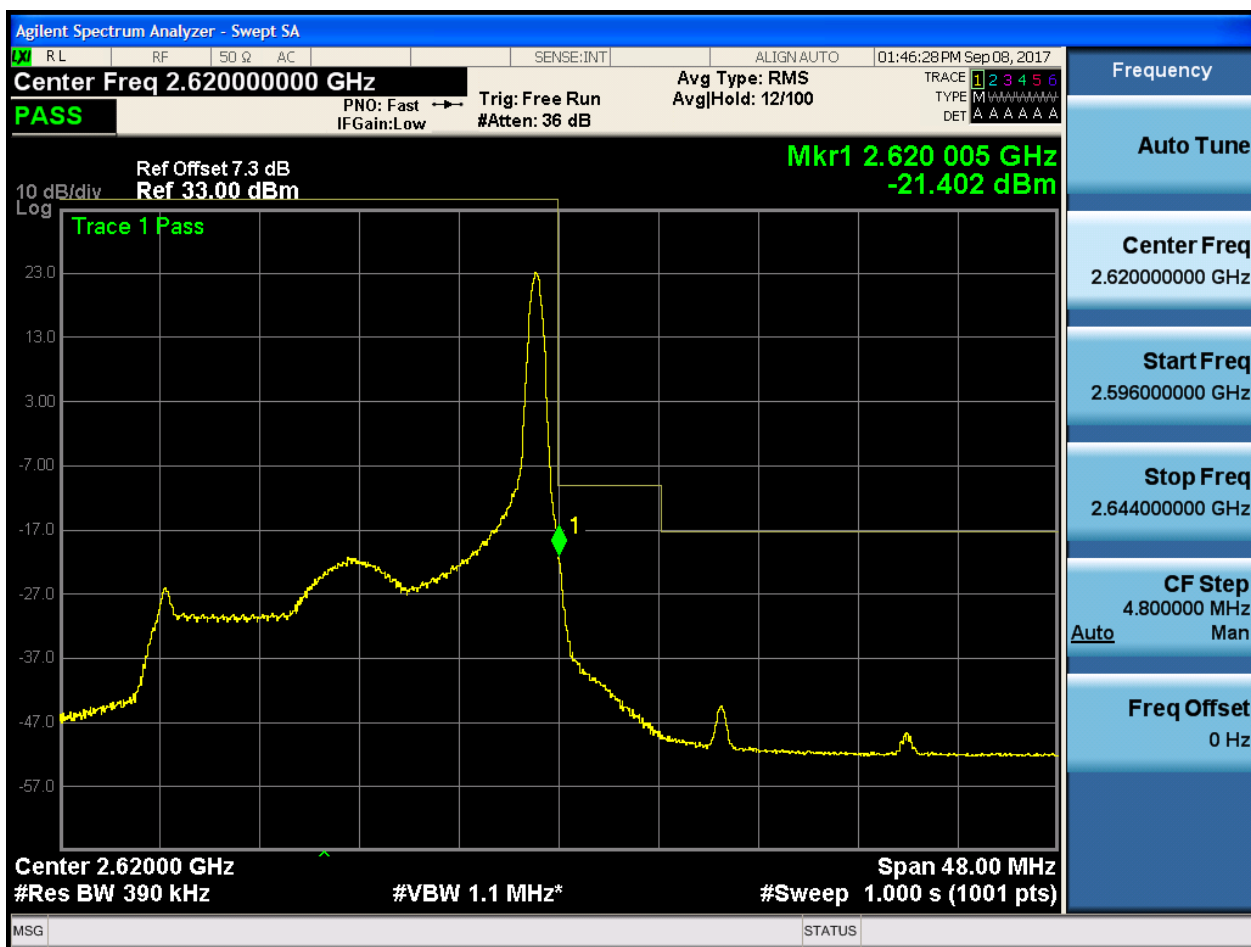
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#99





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:46:47 PM Sep 08, 2017

Center Freq 2.620000000 GHz Avg Type: RMS
PASS PNO: Fast IFGain:Low Trig: Free Run AvgHold: 12/100
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 2.620 005 GHz
-33.864 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.62000 GHz
#Res BW 390 kHz #VBW 1.1 MHz* Span 48.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.620000000 GHz

Start Freq
2.596000000 GHz

Stop Freq
2.644000000 GHz

CF Step
4.800000 MHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:47:05 PM Sep 08, 2017

Center Freq 2.620000000 GHz Avg Type: RMS
 PASS PNO: Fast 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 2.620 005 GHz
 -30.235 dBm

10 dB/div
 Log

Trace 1 Pass

Center 2.62000 GHz
 #Res BW 390 kHz
 #VBW 1.1 MHz*
 Span 48.00 MHz
 #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
 2.620000000 GHz

Start Freq
 2.596000000 GHz

Stop Freq
 2.644000000 GHz

CF Step
 4.800000 MHz
 Auto Man

Freq Offset
 0 Hz

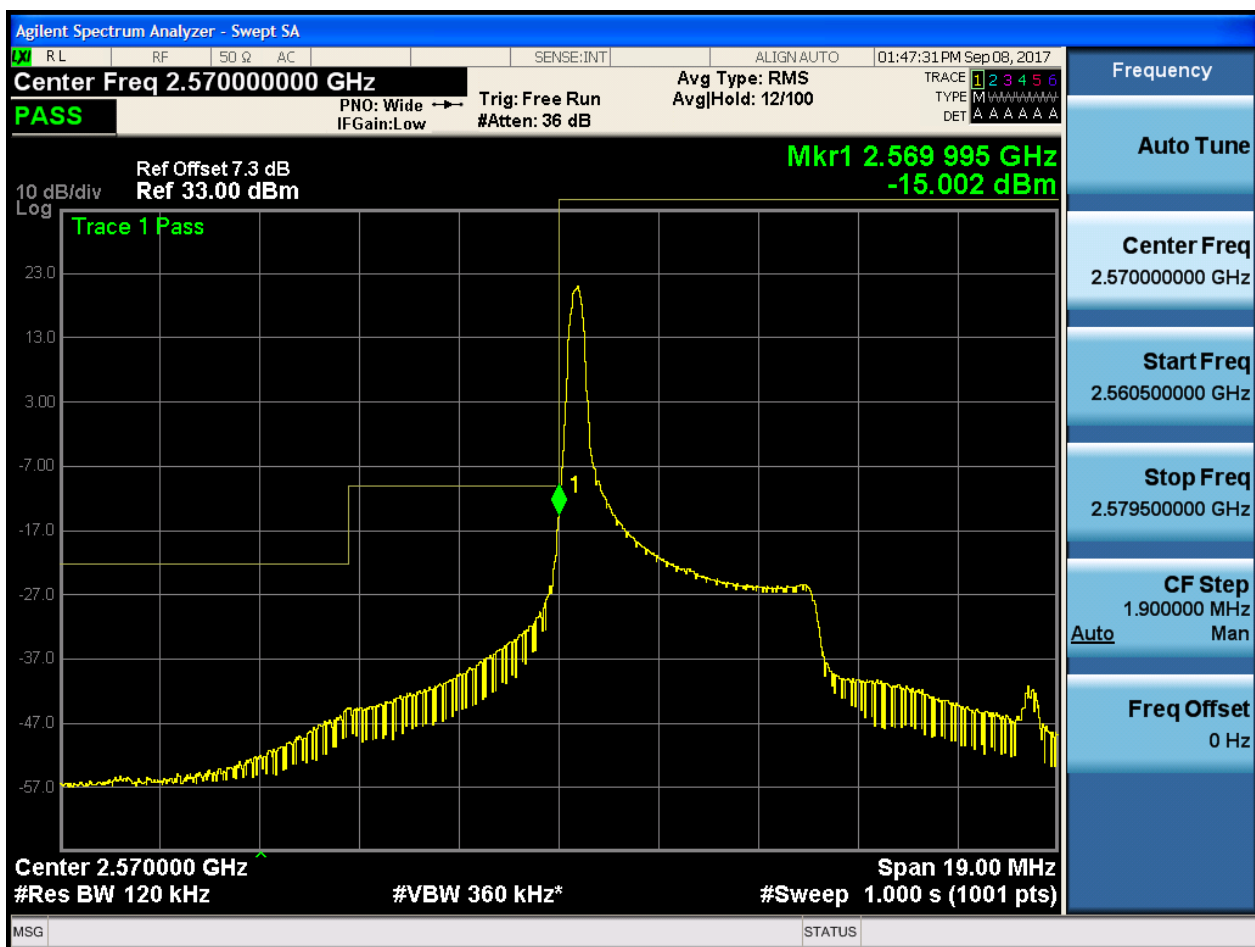


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

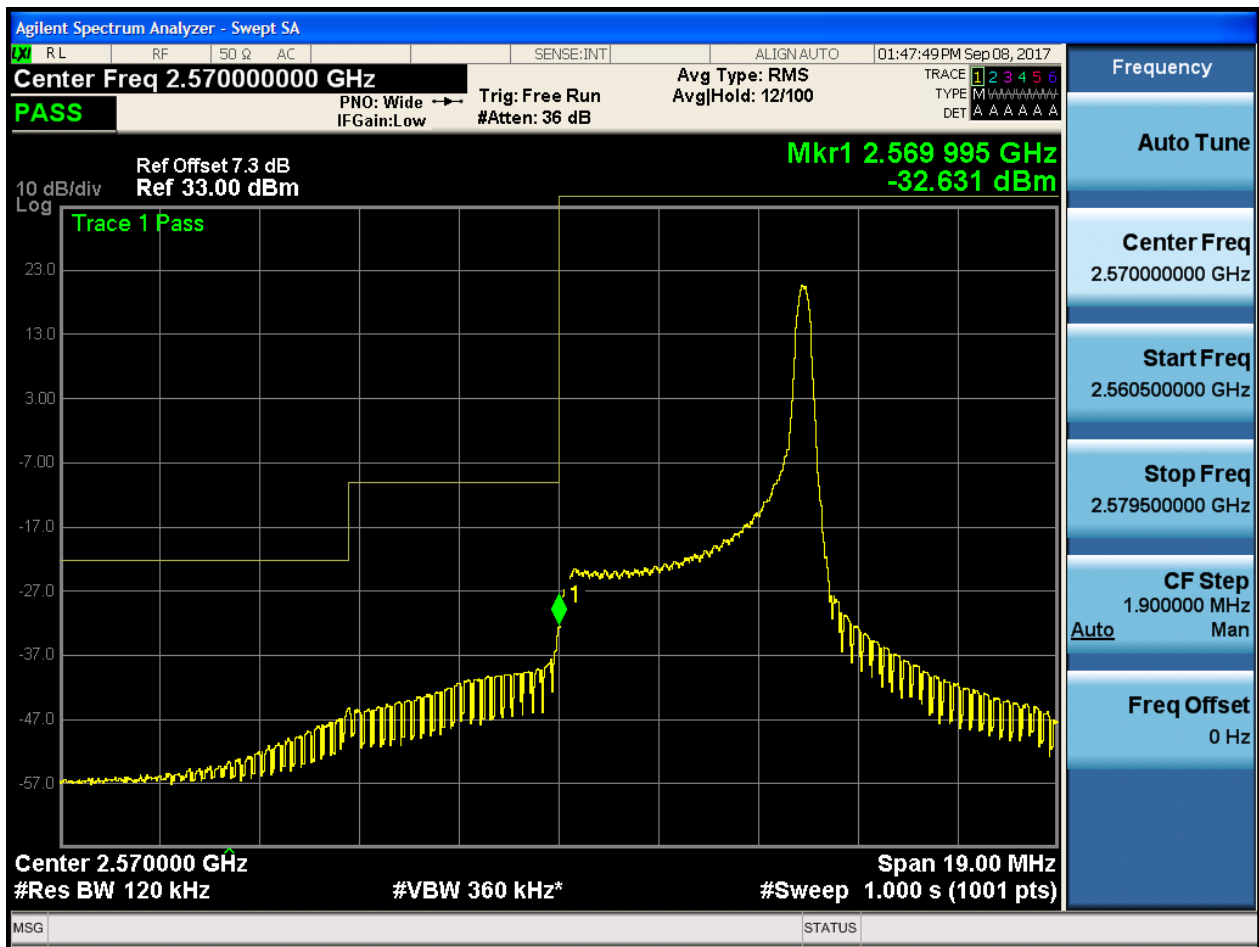
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



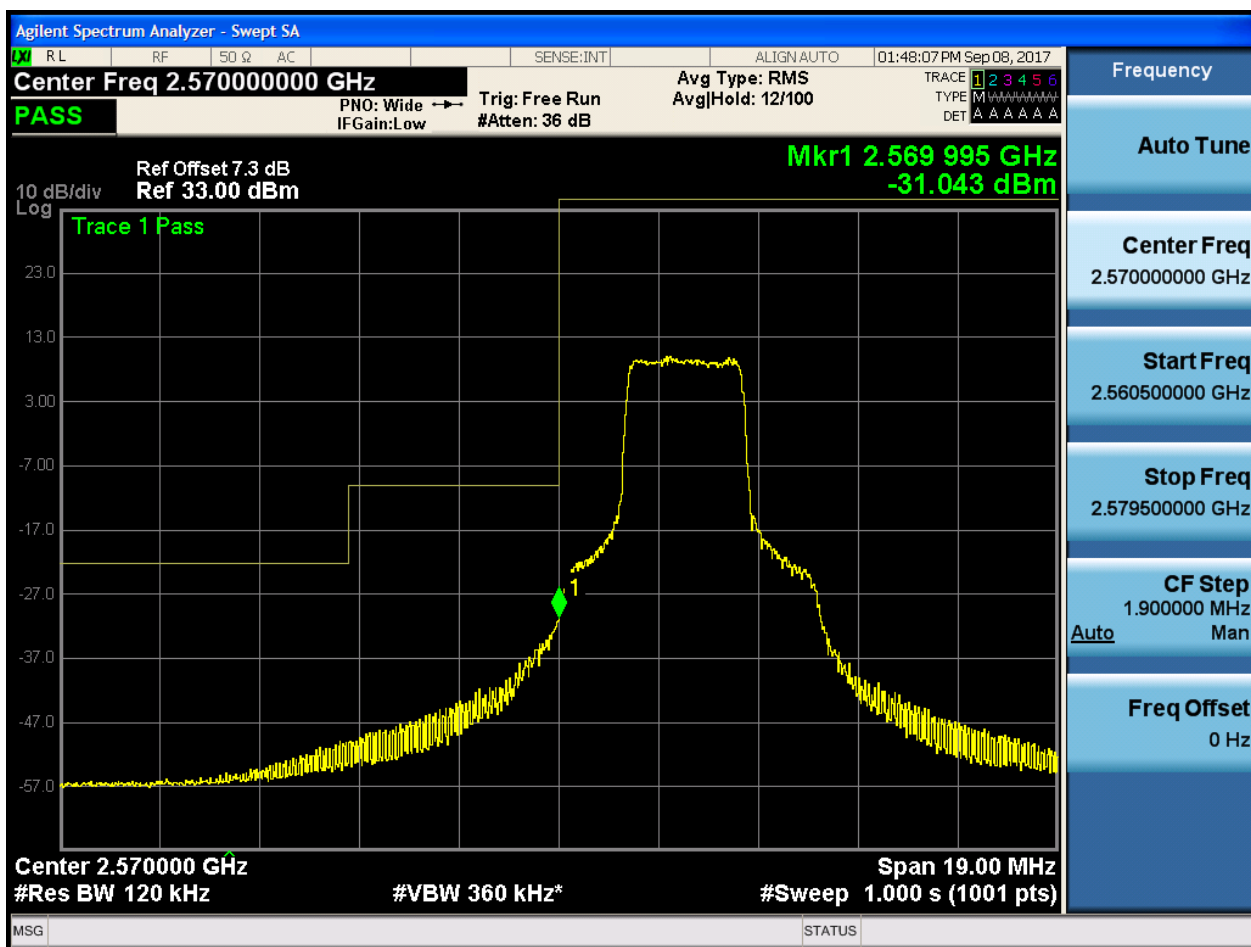


5.1.1.2.1.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6

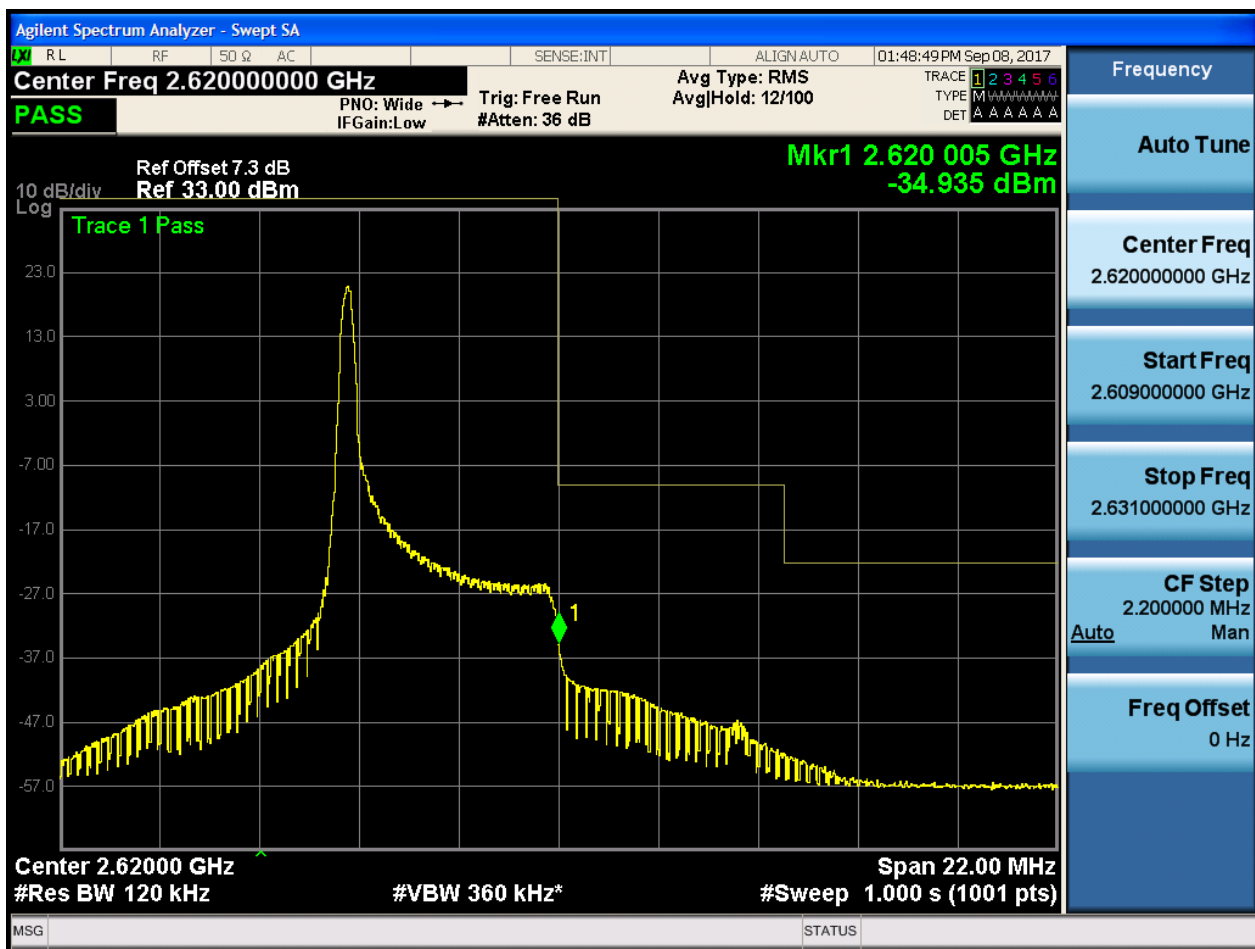


[illegible]



5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:49:07 PM Sep 08, 2017

Center Freq 2.620000000 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 33.00 dBm

Mkr1 2.620 005 GHz
-14.773 dBm

10 dB/div
Log

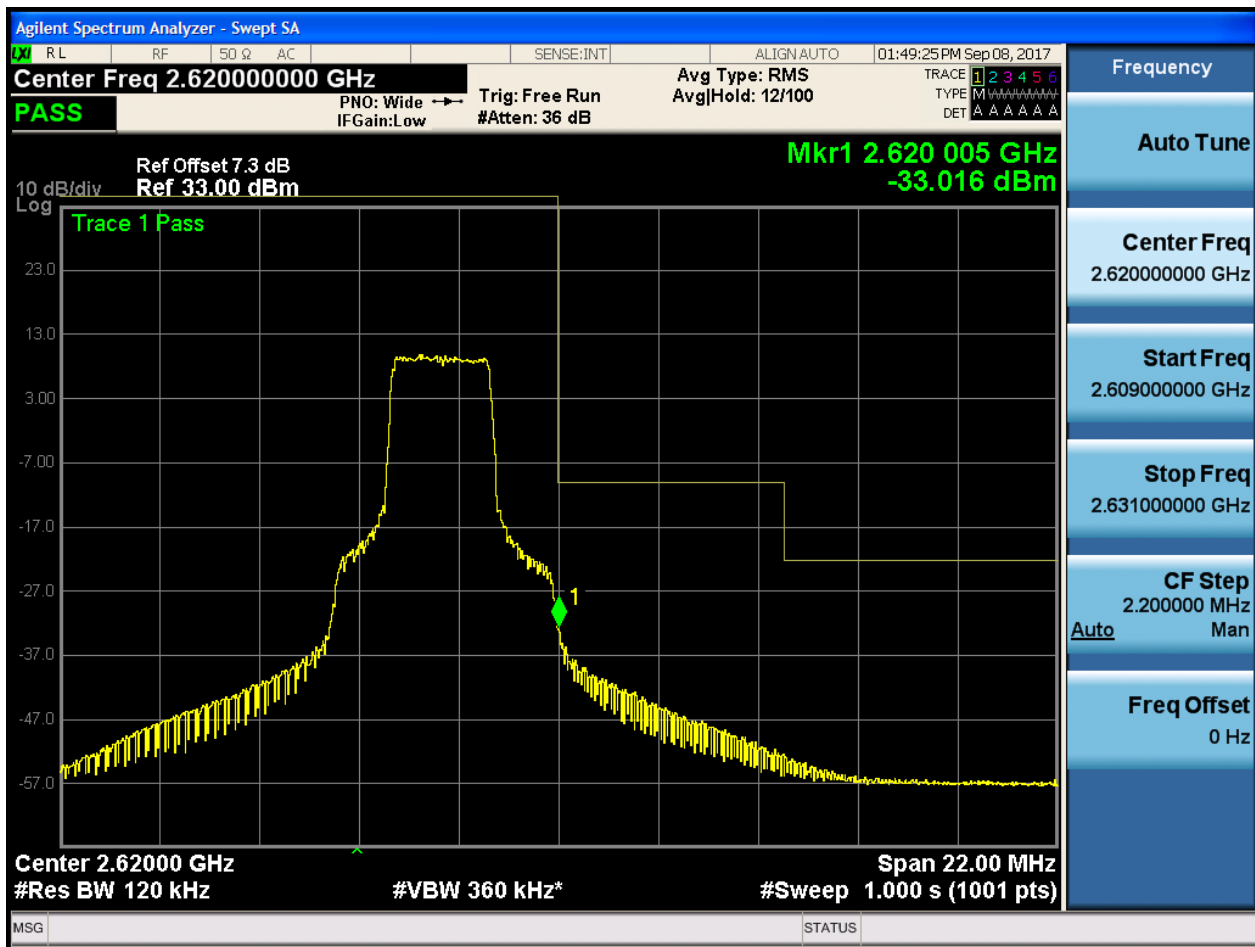
Trace 1 Pass

Center 2.62000 GHz
#Res BW 120 kHz #VBW 360 kHz* Span 22.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

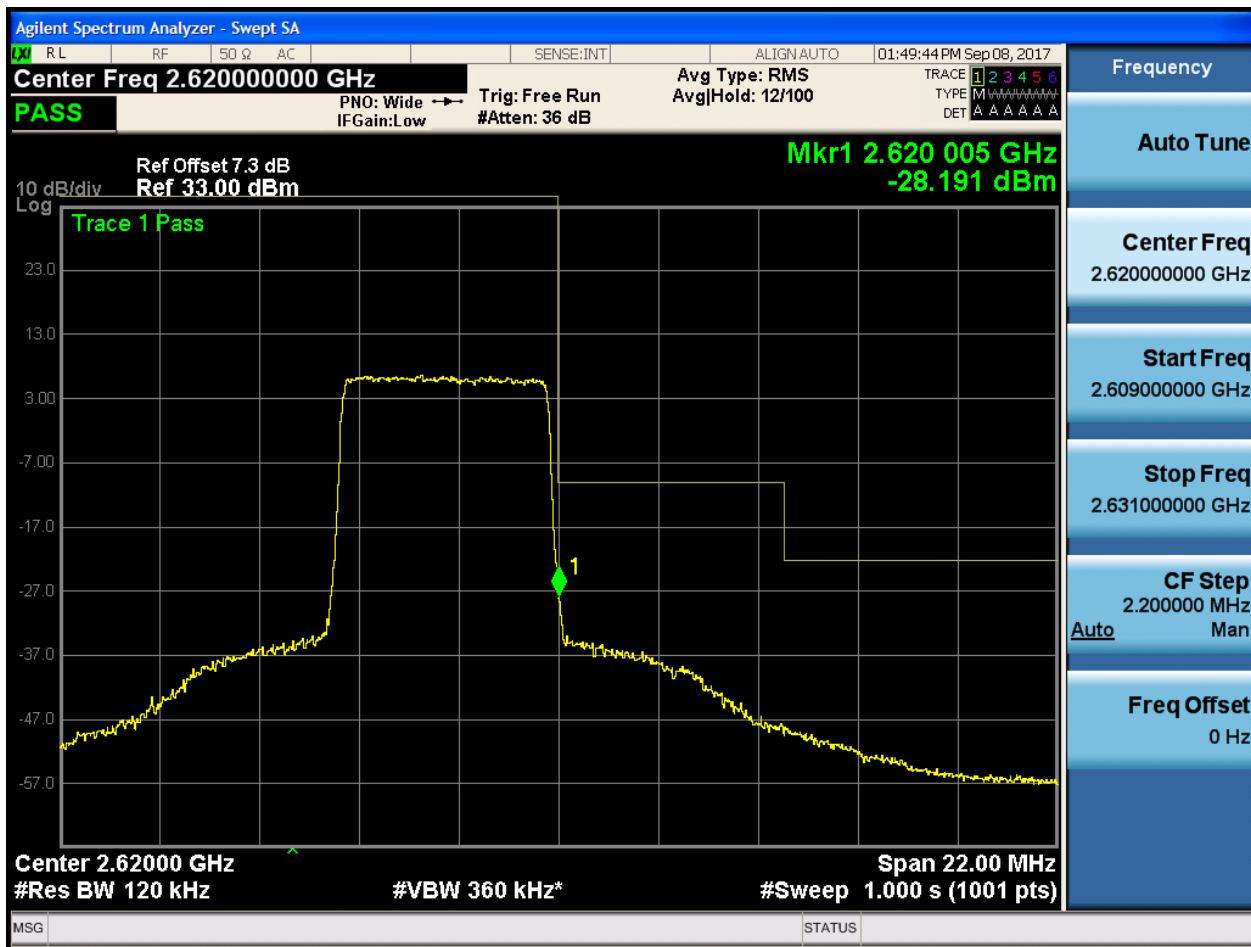


5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

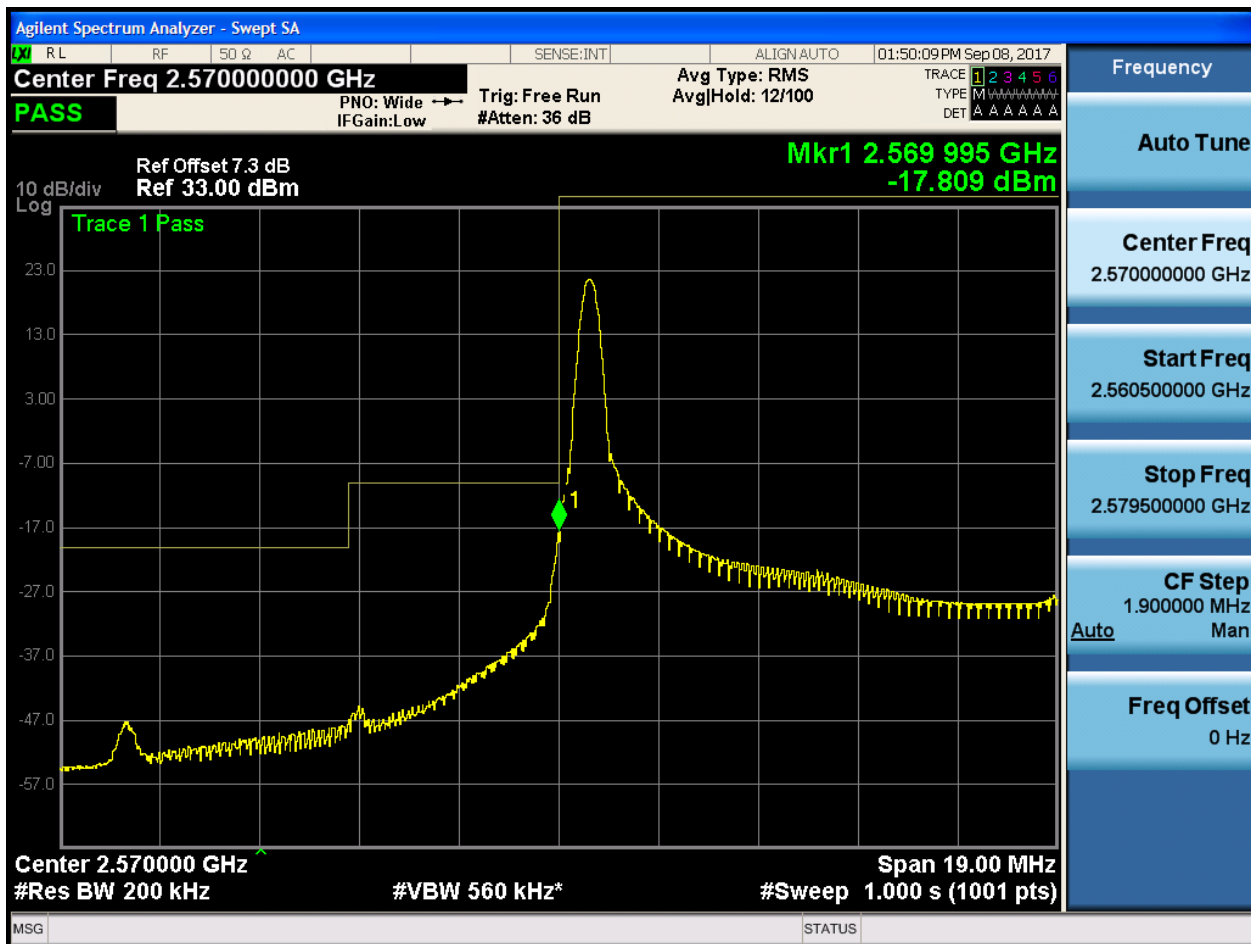




5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0

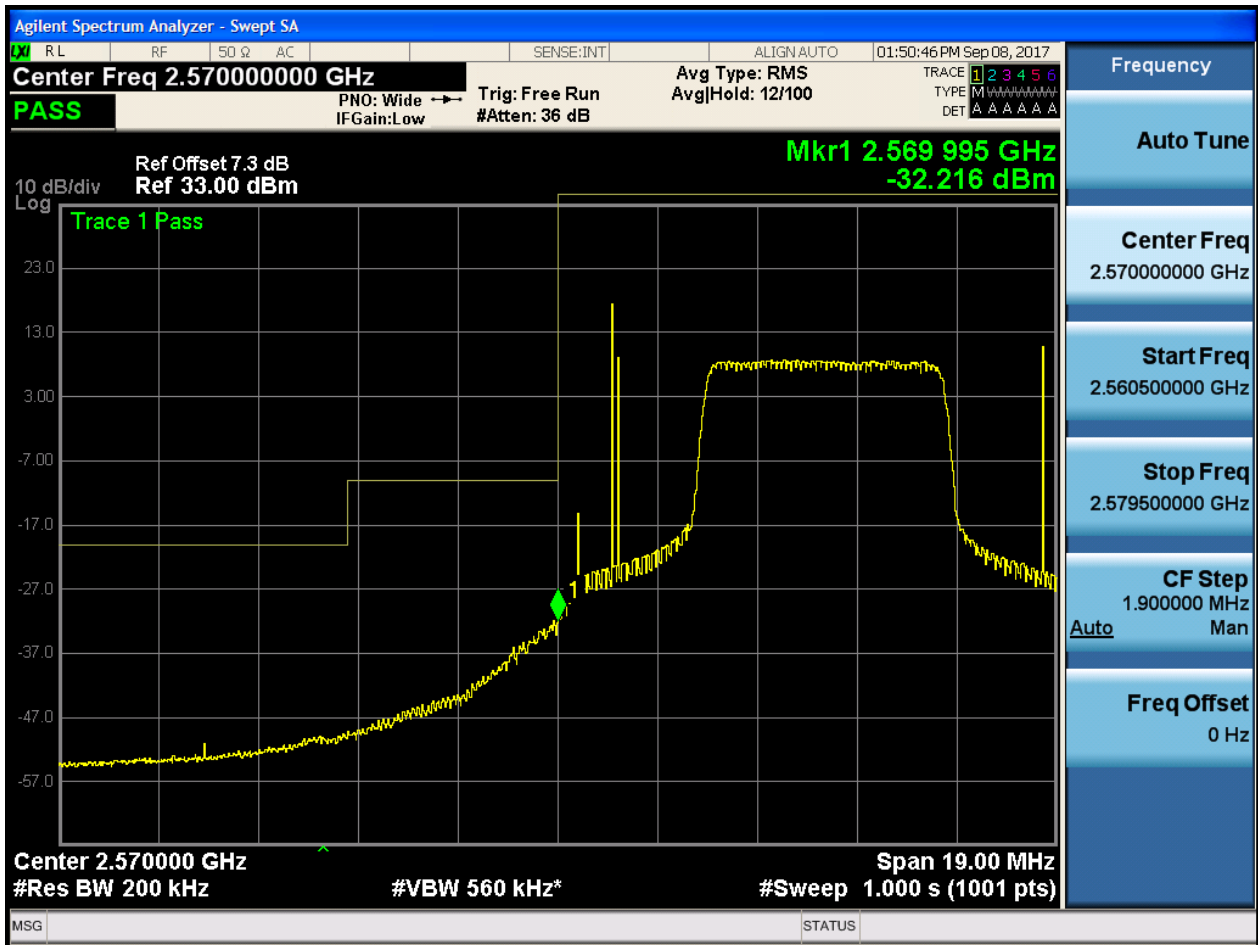




5.1.1.2.2.1.2 Test RB = RB1#49



5.1.1.2.2.1.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:51:04 PM Sep 08, 2017

Center Freq 2.570000000 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
DET A A A A A A

Ref Offset 7.3 dB
Ref 33.00 dBm

Mkr1 2.569 995 GHz
-28.281 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.570000 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
2.570000000 GHz

Start Freq
2.560500000 GHz

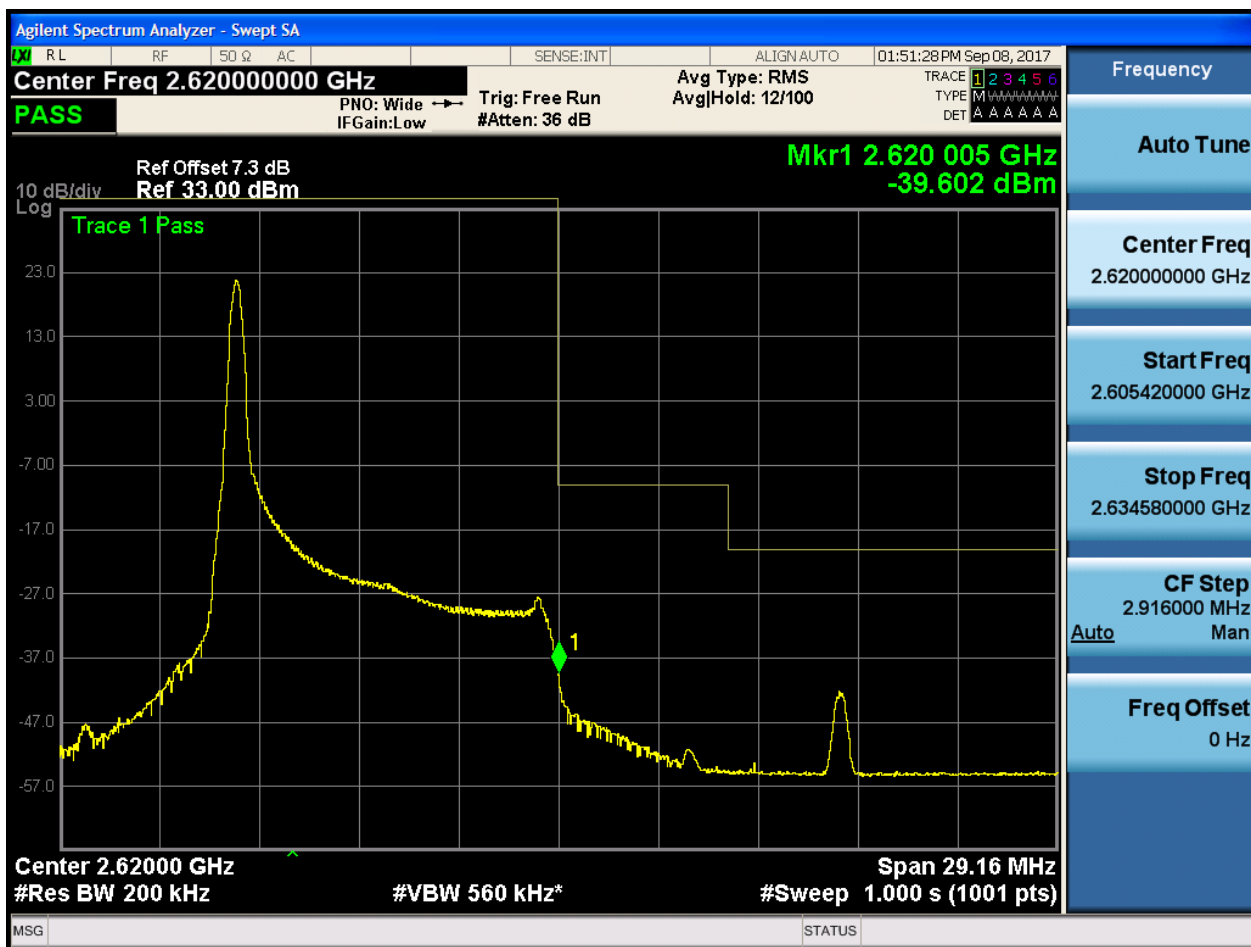
Stop Freq
2.579500000 GHz

CF Step
1.900000 MHz
Auto Man

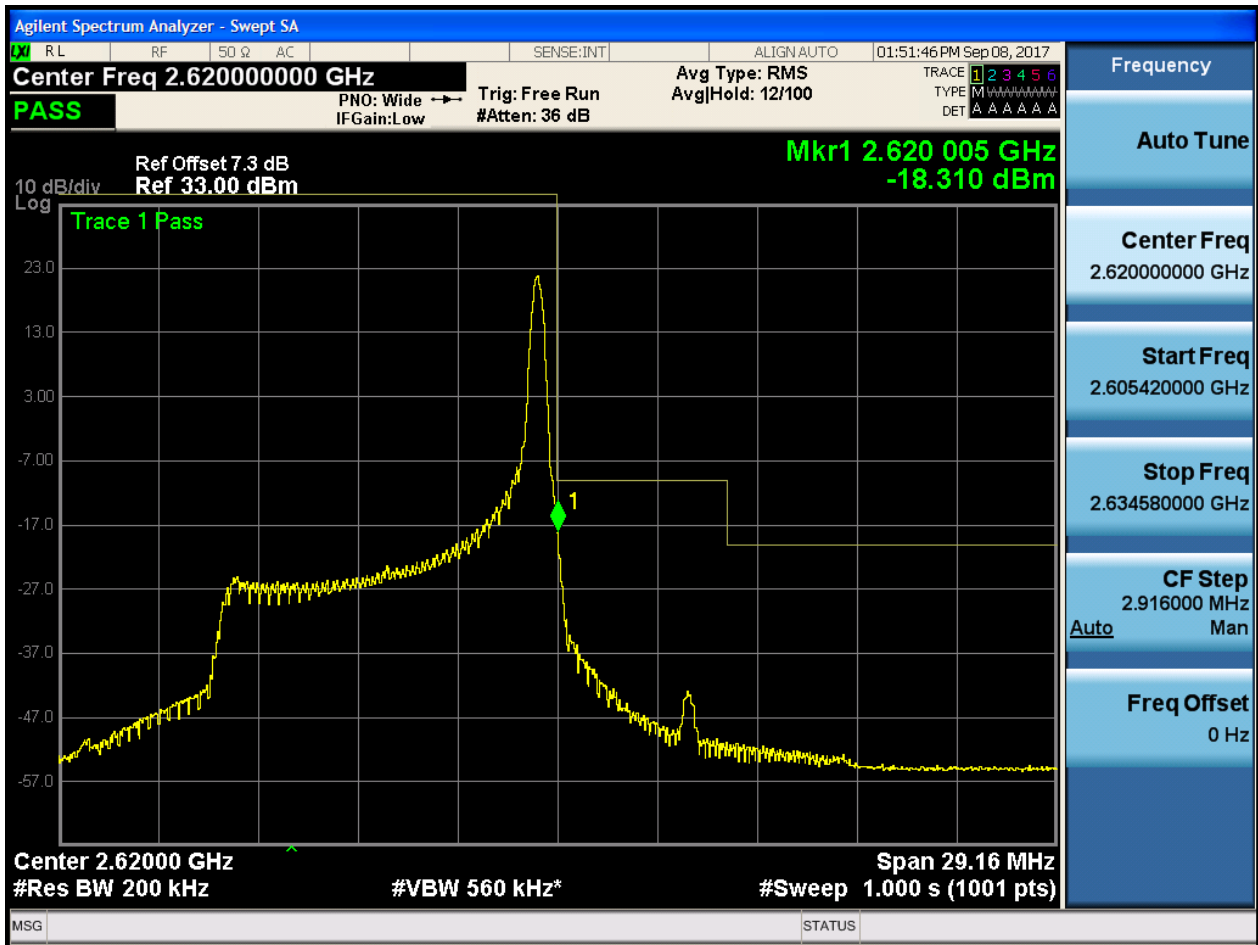
Freq Offset
0 Hz

5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0

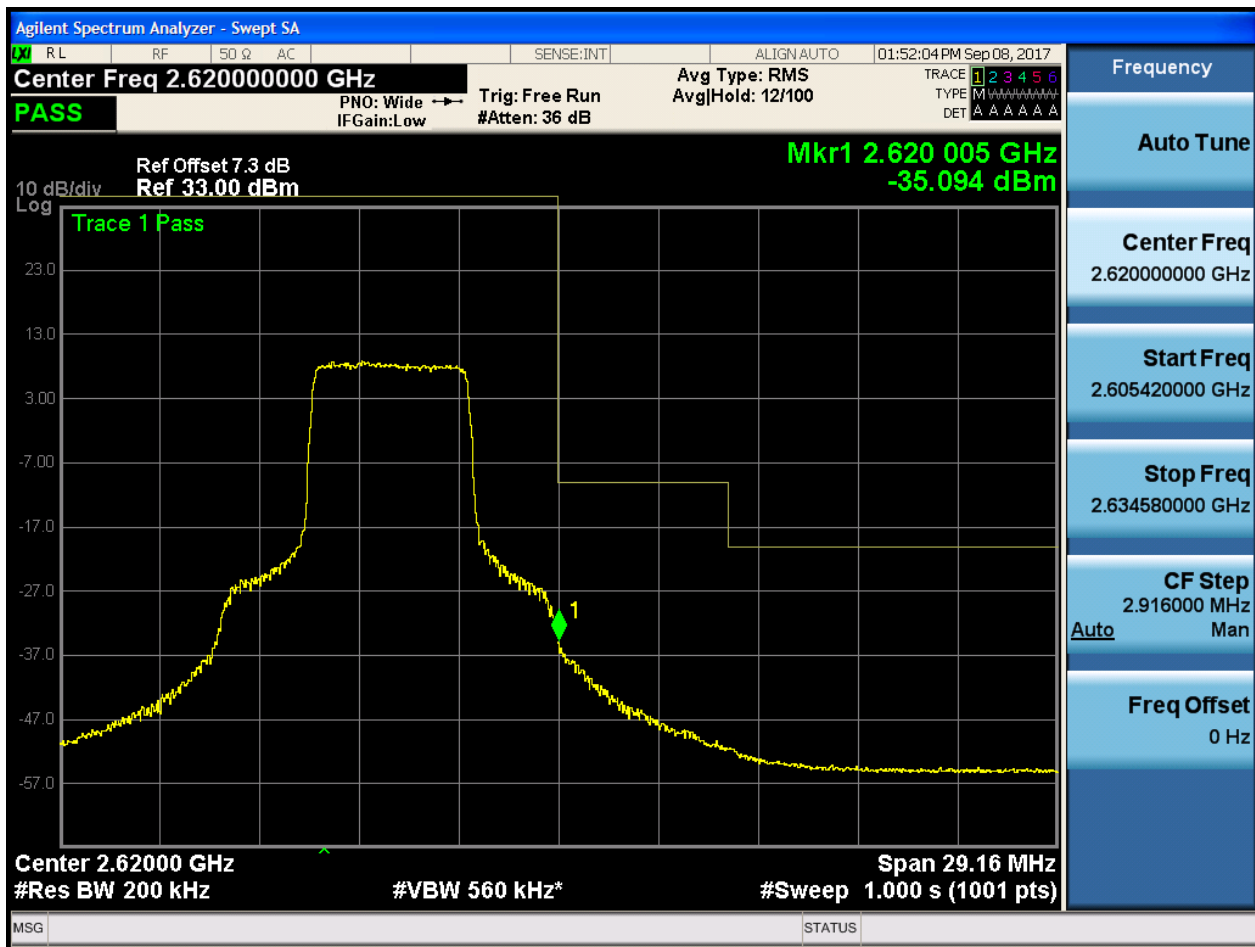


5.1.1.2.2.2.2 Test RB = RB1#49





5.1.1.2.2.3 Test RB = RB25#13





5.1.1.2.2.4 Test RB = RB50#0

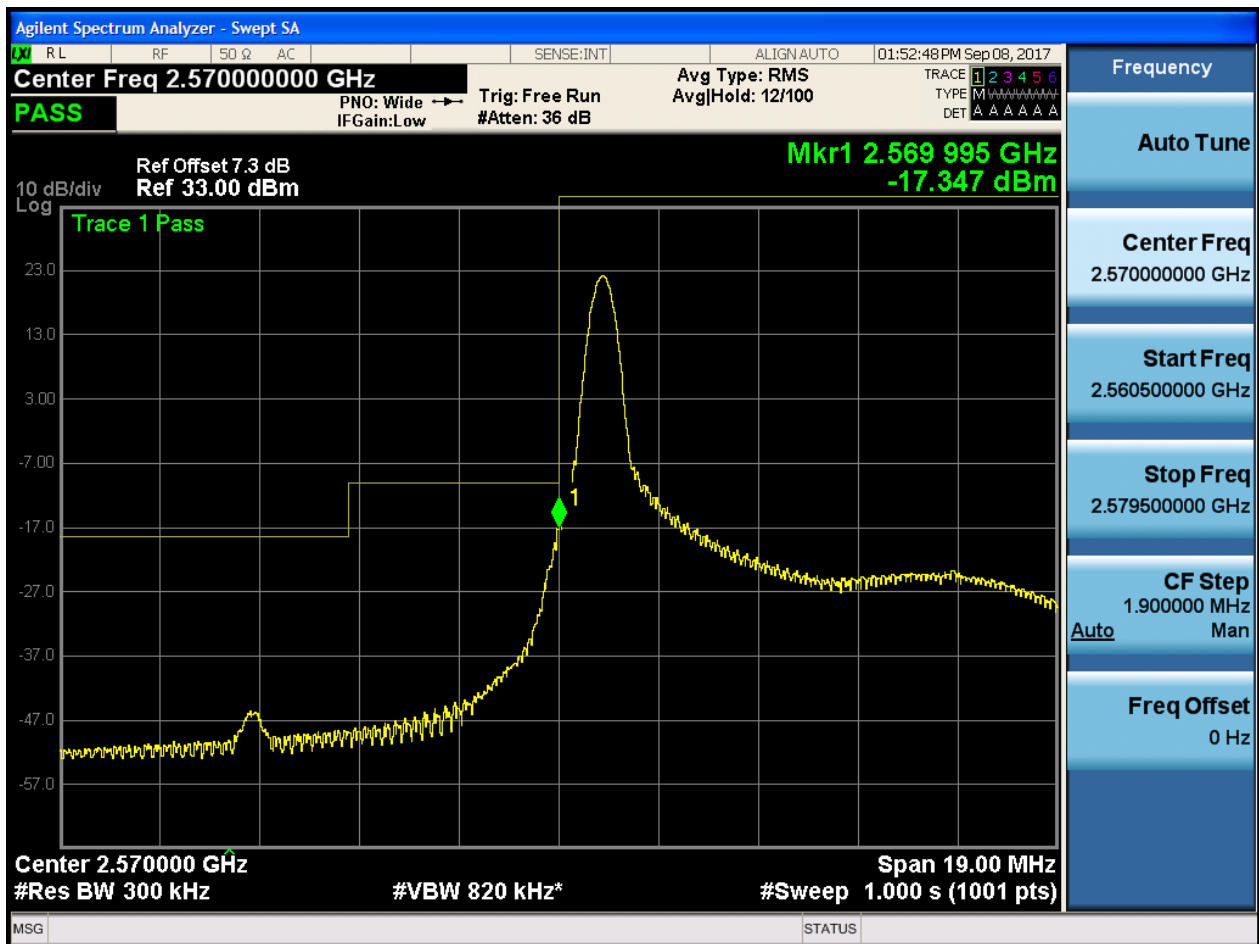




5.1.1.2.3 Test Bandwidth = 15

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

