



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
BAND41	LTE/TM1	5	LCH	RB1#0	23.54	22.57	33	PASS
				RB1#13	23.44	22.47	33	PASS
				RB1#24	23.41	22.44	33	PASS
				RB12#0	22.44	21.47	33	PASS
				RB12#6	22.48	21.51	33	PASS
				RB12#13	22.46	21.49	33	PASS
				RB25#0	22.41	21.44	33	PASS
			MCH	RB1#0	23.21	22.24	33	PASS
				RB1#13	23.23	22.26	33	PASS
				RB1#24	23.2	22.23	33	PASS
				RB12#0	22.42	21.45	33	PASS
				RB12#6	22.13	21.16	33	PASS
				RB12#13	22.35	21.38	33	PASS
				RB25#0	22.3	21.33	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.16	22.19	33	PASS
				RB1#13	23.19	22.22	33	PASS
				RB1#24	23.14	22.17	33	PASS
				RB12#0	22.1	21.13	33	PASS
				RB12#6	22.16	21.19	33	PASS
				RB12#13	22.22	21.25	33	PASS
				RB25#0	22.03	21.06	33	PASS
		10	LCH	RB1#0	23.36	22.39	33	PASS
				RB1#25	23.08	22.11	33	PASS
				RB1#49	23.36	22.39	33	PASS
				RB25#0	22.42	21.45	33	PASS
				RB25#13	22.41	21.44	33	PASS
				RB25#25	22.4	21.43	33	PASS
				RB50#0	22.39	21.42	33	PASS
			MCH	RB1#0	23.32	22.35	33	PASS
				RB1#25	23.18	22.21	33	PASS
				RB1#49	23.25	22.28	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.43	21.46	33	PASS
				RB25#13	22.39	21.42	33	PASS
				RB25#25	22.3	21.33	33	PASS
				RB50#0	22.36	21.39	33	PASS
			HCH	RB1#0	23.22	22.25	33	PASS
				RB1#25	23.21	22.24	33	PASS
				RB1#49	23.12	22.15	33	PASS
				RB25#0	22.13	21.16	33	PASS
				RB25#13	22.15	21.18	33	PASS
				RB25#25	22.16	21.19	33	PASS
				RB50#0	22.13	21.16	33	PASS
		15	LCH	RB1#0	23.34	22.37	33	PASS
				RB1#38	23.31	22.34	33	PASS
				RB1#74	23.3	22.33	33	PASS
				RB36#0	22.4	21.43	33	PASS
				RB36#18	22.48	21.51	33	PASS
				RB36#39	22.46	21.49	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB75#0	22.44	21.47	33	PASS
			MCH	RB1#0	23.32	22.35	33	PASS
				RB1#38	23.36	22.39	33	PASS
				RB1#74	23.34	22.37	33	PASS
				RB36#0	22.43	21.46	33	PASS
				RB36#18	22.35	21.38	33	PASS
				RB36#39	22.47	21.5	33	PASS
				RB75#0	22.43	21.46	33	PASS
			HCH	RB1#0	23.34	22.37	33	PASS
				RB1#38	23.31	22.34	33	PASS
				RB1#74	23.23	22.26	33	PASS
				RB36#0	22.08	21.11	33	PASS
				RB36#18	22.19	21.22	33	PASS
				RB36#39	22.13	21.16	33	PASS
				RB75#0	22.11	21.14	33	PASS
		20	LCH	RB1#0	23.57	22.6	33	PASS
				RB1#50	22.9	21.93	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	23.54	22.57	33	PASS
				RB50#0	22.41	21.44	33	PASS
				RB50#25	22.37	21.4	33	PASS
				RB50#50	22.42	21.45	33	PASS
				RB100#0	22.43	21.46	33	PASS
			MCH	RB1#0	23.68	22.71	33	PASS
				RB1#50	22.95	21.98	33	PASS
				RB1#99	23.64	22.67	33	PASS
				RB50#0	22.43	21.46	33	PASS
				RB50#25	22.32	21.35	33	PASS
				RB50#50	22.42	21.45	33	PASS
				RB100#0	22.43	21.46	33	PASS
			HCH	RB1#0	23.33	22.36	33	PASS
				RB1#50	22.74	21.77	33	PASS
				RB1#99	23.22	22.25	33	PASS
				RB50#0	22.18	21.21	33	PASS
				RB50#25	22.14	21.17	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	22.17	21.2	33	PASS
				RB100#0	22.25	21.28	33	PASS
	LTE/TM2	5	LCH	RB1#0	22.71	21.74	33	PASS
				RB1#13	22.62	21.65	33	PASS
				RB1#24	22.65	21.68	33	PASS
				RB12#0	21.46	20.49	33	PASS
				RB12#6	21.27	20.3	33	PASS
				RB12#13	21.51	20.54	33	PASS
				RB25#0	21.42	20.45	33	PASS
			MCH	RB1#0	22.72	21.75	33	PASS
				RB1#13	22.72	21.75	33	PASS
				RB1#24	22.71	21.74	33	PASS
				RB12#0	21.46	20.49	33	PASS
				RB12#6	21.52	20.55	33	PASS
				RB12#13	21.47	20.5	33	PASS
				RB25#0	21.23	20.26	33	PASS
			HCH	RB1#0	22.4	21.43	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.32	21.35	33	PASS
				RB1#24	22.4	21.43	33	PASS
				RB12#0	21.08	20.11	33	PASS
				RB12#6	21.03	20.06	33	PASS
				RB12#13	21.13	20.16	33	PASS
				RB25#0	21.07	20.1	33	PASS
		10	LCH	RB1#0	22.5	21.53	33	PASS
				RB1#25	22.14	21.17	33	PASS
				RB1#49	22.51	21.54	33	PASS
				RB25#0	21.22	20.25	33	PASS
				RB25#13	21.28	20.31	33	PASS
				RB25#25	21.31	20.34	33	PASS
				RB50#0	21.4	20.43	33	PASS
			MCH	RB1#0	22.55	21.58	33	PASS
				RB1#25	22.37	21.4	33	PASS
				RB1#49	22.45	21.48	33	PASS
				RB25#0	21.3	20.33	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.38	20.41	33	PASS
				RB25#25	21.3	20.33	33	PASS
				RB50#0	21.25	20.28	33	PASS
			HCH	RB1#0	22.45	21.48	33	PASS
				RB1#25	22.4	21.43	33	PASS
				RB1#49	22.47	21.5	33	PASS
				RB25#0	21.05	20.08	33	PASS
				RB25#13	21.05	20.08	33	PASS
				RB25#25	21.06	20.09	33	PASS
				RB50#0	21.05	20.08	33	PASS
		15	LCH	RB1#0	22.39	21.42	33	PASS
				RB1#38	22.37	21.4	33	PASS
				RB1#74	22.4	21.43	33	PASS
				RB36#0	21.38	20.41	33	PASS
				RB36#18	21.4	20.43	33	PASS
				RB36#39	21.4	20.43	33	PASS
				RB75#0	21.38	20.41	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.83	21.86	33	PASS
				RB1#38	22.83	21.86	33	PASS
				RB1#74	22.81	21.84	33	PASS
				RB36#0	21.35	20.38	33	PASS
				RB36#18	21.37	20.4	33	PASS
				RB36#39	21.38	20.41	33	PASS
				RB75#0	21.38	20.41	33	PASS
			HCH	RB1#0	22.91	21.94	33	PASS
				RB1#38	22.88	21.91	33	PASS
				RB1#74	22.86	21.89	33	PASS
				RB36#0	21.21	20.24	33	PASS
				RB36#18	21.17	20.2	33	PASS
				RB36#39	21.17	20.2	33	PASS
				RB75#0	21.11	20.14	33	PASS
		20	LCH	RB1#0	22.98	22.01	33	PASS
				RB1#50	22.68	21.71	33	PASS
				RB1#99	22.97	22	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.35	20.38	33	PASS
				RB50#25	21.39	20.42	33	PASS
				RB50#50	21.39	20.42	33	PASS
				RB100#0	21.35	20.38	33	PASS
			MCH	RB1#0	22.85	21.88	33	PASS
				RB1#50	22.17	21.2	33	PASS
				RB1#99	22.78	21.81	33	PASS
				RB50#0	21.37	20.4	33	PASS
				RB50#25	21.27	20.3	33	PASS
				RB50#50	21.26	20.29	33	PASS
				RB100#0	21.37	20.4	33	PASS
			HCH	RB1#0	22.26	21.29	33	PASS
				RB1#50	21.86	20.89	33	PASS
				RB1#99	22.22	21.25	33	PASS
				RB50#0	21.12	20.15	33	PASS
				RB50#25	21.04	20.07	33	PASS
				RB50#50	21.12	20.15	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.16	20.19	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:

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

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

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

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

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
BAND41	LTE/TM1	5	LCH	RB1#0	4.4	13	PASS
				RB1#13	4.39	13	PASS
				RB1#24	4.46	13	PASS
				RB12#0	5.2	13	PASS
				RB12#6	5.08	13	PASS
				RB12#13	5.34	13	PASS
				RB25#0	5.47	13	PASS
			MCH	RB1#0	4.59	13	PASS
				RB1#13	4.56	13	PASS
				RB1#24	4.61	13	PASS
				RB12#0	5.92	13	PASS
				RB12#6	5.9	13	PASS
				RB12#13	5.82	13	PASS
				RB25#0	6.16	13	PASS
			HCH	RB1#0	4.29	13	PASS
				RB1#13	4.17	13	PASS
				RB1#24	4.09	13	PASS
				RB12#0	4.93	13	PASS
				RB12#6	4.84	13	PASS
				RB12#13	4.99	13	PASS
				RB25#0	5.4	13	PASS
		10	LCH	RB1#0	4.46	13	PASS
				RB1#25	4.49	13	PASS
				RB1#49	4.58	13	PASS
				RB25#0	5.26	13	PASS
				RB25#13	5.11	13	PASS
				RB25#25	5.22	13	PASS
				RB50#0	5.96	13	PASS
			MCH	RB1#0	4.78	13	PASS
				RB1#25	5.23	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.79	13	PASS
				RB25#0	5.77	13	PASS
				RB25#13	5.72	13	PASS
				RB25#25	5.78	13	PASS
				RB50#0	5.96	13	PASS
			HCH	RB1#0	4.41	13	PASS
				RB1#25	4.49	13	PASS
				RB1#49	4.18	13	PASS
				RB25#0	5.13	13	PASS
				RB25#13	4.94	13	PASS
				RB25#25	5.2	13	PASS
				RB50#0	5.67	13	PASS
		15	LCH	RB1#0	4.54	13	PASS
				RB1#38	4.66	13	PASS
				RB1#74	4.59	13	PASS
				RB36#0	5.38	13	PASS
				RB36#18	5.23	13	PASS
				RB36#39	5.33	13	PASS
				RB75#0	5.87	13	PASS
			MCH	RB1#0	4.22	13	PASS
				RB1#38	4.26	13	PASS
				RB1#74	4.38	13	PASS
				RB36#0	5.8	13	PASS
				RB36#18	5.74	13	PASS
				RB36#39	5.89	13	PASS
				RB75#0	6.41	13	PASS
			HCH	RB1#0	4.54	13	PASS
				RB1#38	4.39	13	PASS
				RB1#74	4.03	13	PASS
				RB36#0	5.18	13	PASS
				RB36#18	4.97	13	PASS
				RB36#39	5.2	13	PASS
				RB75#0	5.73	13	PASS
		20	LCH	RB1#0	4.32	13	PASS
				RB1#50	4.47	13	PASS
				RB1#99	4.35	13	PASS
				RB50#0	5.44	13	PASS
				RB50#25	5.29	13	PASS
				RB50#50	5.4	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB100#0	5.79	13	PASS
			MCH	RB1#0	4.5	13	PASS
				RB1#50	4.67	13	PASS
				RB1#99	4.62	13	PASS
				RB50#0	5.87	13	PASS
				RB50#25	5.84	13	PASS
				RB50#50	5.9	13	PASS
				RB100#0	6.1	13	PASS
			HCH	RB1#0	3.79	13	PASS
				RB1#50	3.69	13	PASS
				RB1#99	3.95	13	PASS
				RB50#0	5.15	13	PASS
				RB50#25	5.11	13	PASS
				RB50#50	5.25	13	PASS
				RB100#0	5.65	13	PASS
	LTE/TM2	5	LCH	RB1#0	4.6	13	PASS
				RB1#13	4.61	13	PASS
				RB1#24	4.66	13	PASS
				RB12#0	6.42	13	PASS
				RB12#6	6.24	13	PASS
				RB12#13	6.37	13	PASS
				RB25#0	6.45	13	PASS
			MCH	RB1#0	5.36	13	PASS
				RB1#13	5.32	13	PASS
				RB1#24	5.32	13	PASS
				RB12#0	6.82	13	PASS
				RB12#6	6.75	13	PASS
				RB12#13	6.79	13	PASS
				RB25#0	6.66	13	PASS
			HCH	RB1#0	4.66	13	PASS
				RB1#13	4.51	13	PASS
				RB1#24	4.35	13	PASS
				RB12#0	5.99	13	PASS
				RB12#6	6.17	13	PASS
				RB12#13	6.06	13	PASS
				RB25#0	6.71	13	PASS
		10	LCH	RB1#0	4.46	13	PASS
				RB1#25	4.88	13	PASS
				RB1#49	4.38	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.35	13	PASS
				RB25#13	6.22	13	PASS
				RB25#25	6.23	13	PASS
				RB50#0	6.63	13	PASS
			MCH	RB1#0	5.15	13	PASS
				RB1#25	5.23	13	PASS
				RB1#49	5.11	13	PASS
				RB25#0	6.56	13	PASS
				RB25#13	6.52	13	PASS
				RB25#25	6.63	13	PASS
				RB50#0	6.93	13	PASS
			HCH	RB1#0	4.61	13	PASS
				RB1#25	4.43	13	PASS
				RB1#49	4.54	13	PASS
				RB25#0	5.75	13	PASS
				RB25#13	5.64	13	PASS
				RB25#25	5.79	13	PASS
				RB50#0	6.3	13	PASS
		15	LCH	RB1#0	5.02	13	PASS
				RB1#38	5.04	13	PASS
				RB1#74	5.02	13	PASS
				RB36#0	6.57	13	PASS
				RB36#18	6.41	13	PASS
				RB36#39	6.49	13	PASS
				RB75#0	6.67	13	PASS
			MCH	RB1#0	4.85	13	PASS
				RB1#38	4.86	13	PASS
				RB1#74	4.92	13	PASS
				RB36#0	6.51	13	PASS
				RB36#18	6.5	13	PASS
				RB36#39	6.63	13	PASS
				RB75#0	7.1	13	PASS
			HCH	RB1#0	4.37	13	PASS
				RB1#38	4.45	13	PASS
				RB1#74	4.52	13	PASS
				RB36#0	6.3	13	PASS
				RB36#18	6.04	13	PASS
				RB36#39	6.26	13	PASS
				RB75#0	6.5	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		20	LCH	RB1#0	4.84	13	PASS
				RB1#50	5.01	13	PASS
				RB1#99	4.77	13	PASS
				RB50#0	6.01	13	PASS
				RB50#25	5.88	13	PASS
				RB50#50	5.92	13	PASS
				RB100#0	6.7	13	PASS
			MCH	RB1#0	4.78	13	PASS
				RB1#50	4.92	13	PASS
				RB1#99	4.78	13	PASS
				RB50#0	6.52	13	PASS
				RB50#25	6.53	13	PASS
				RB50#50	6.67	13	PASS
				RB100#0	6.91	13	PASS
			HCH	RB1#0	4.85	13	PASS
				RB1#50	4.85	13	PASS
				RB1#99	4.79	13	PASS
				RB50#0	6.06	13	PASS
				RB50#25	5.8	13	PASS
				RB50#50	6.02	13	PASS
				RB100#0	6.66	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

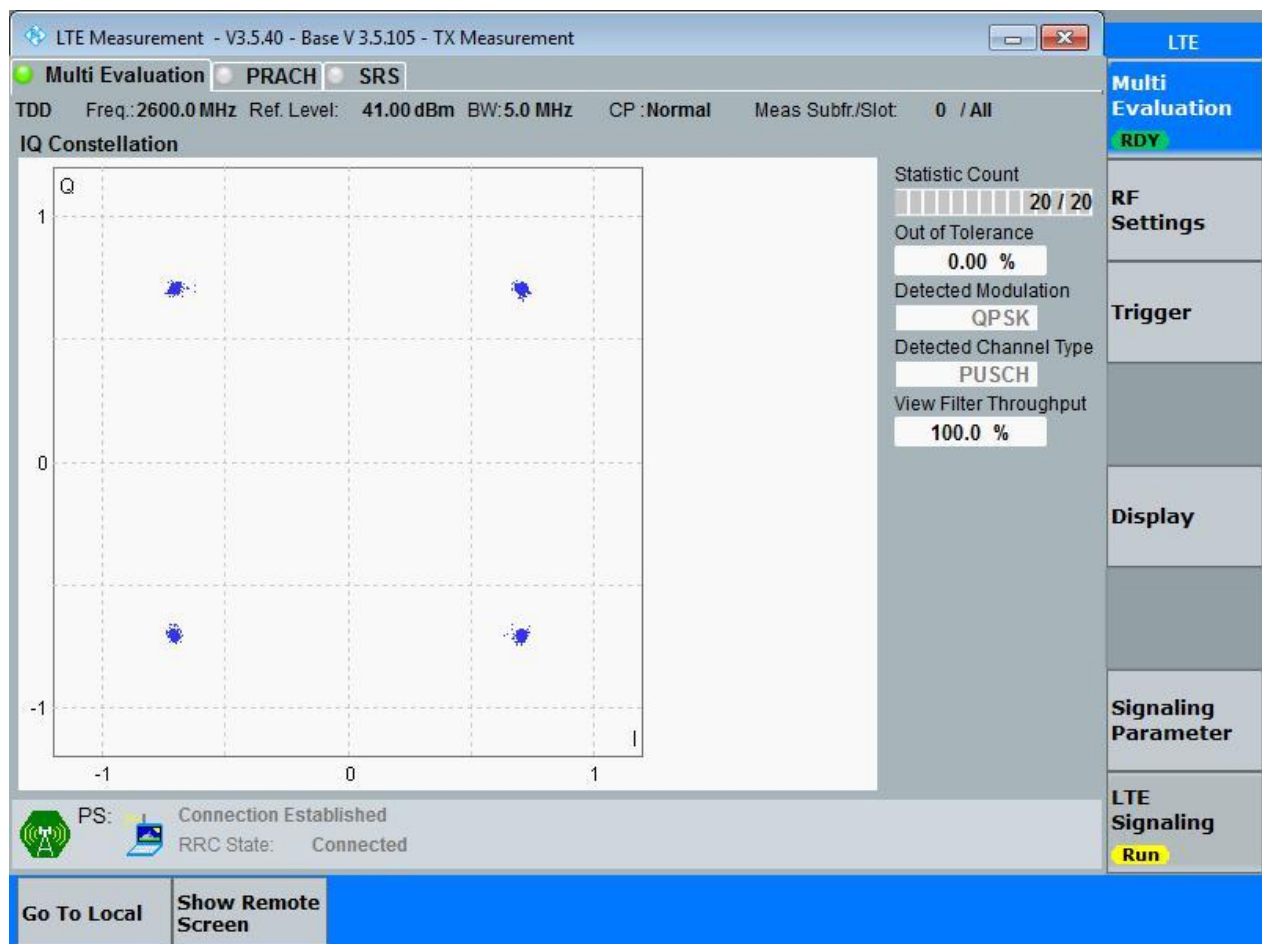
3.1.1 Test Band = BAND41

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

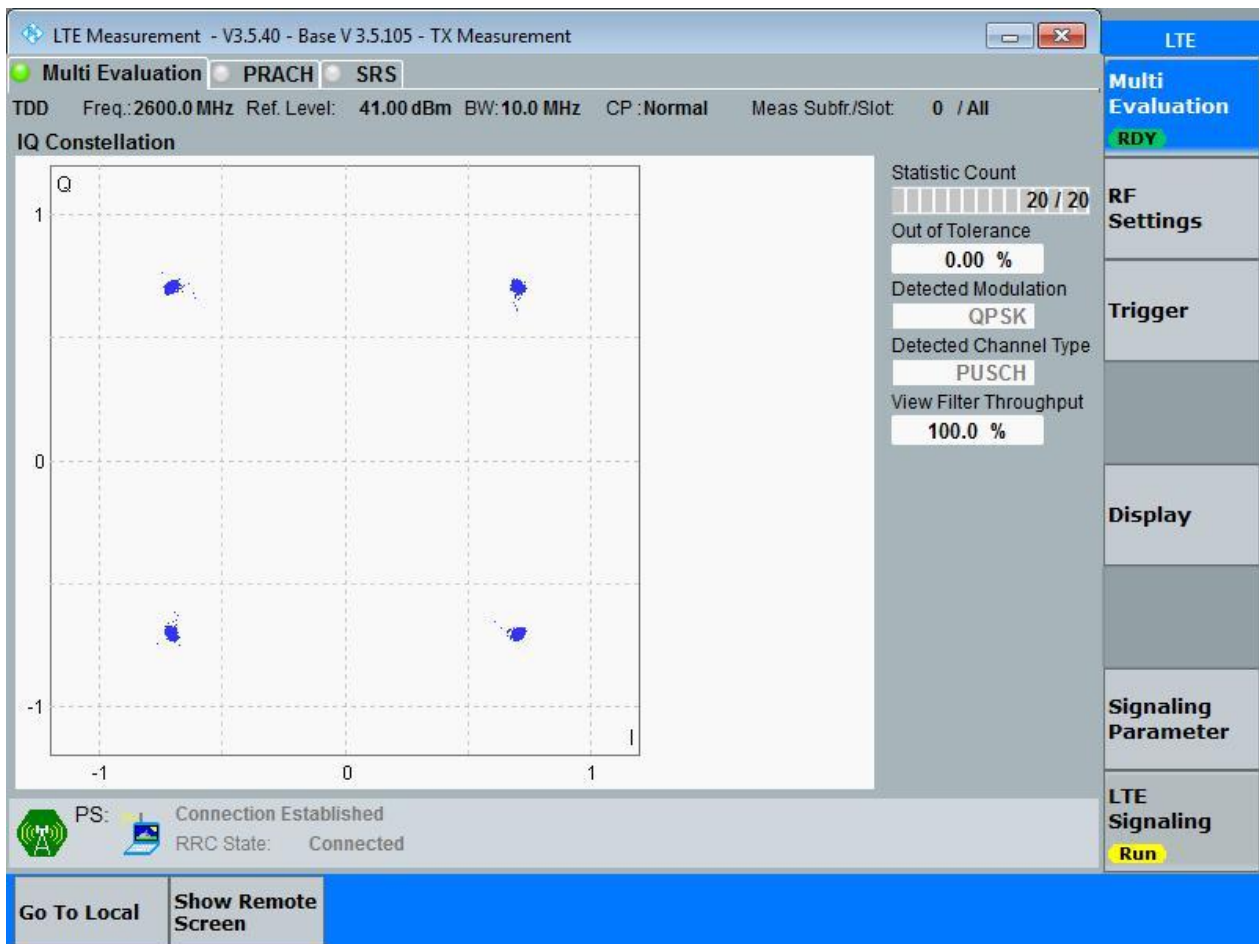
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

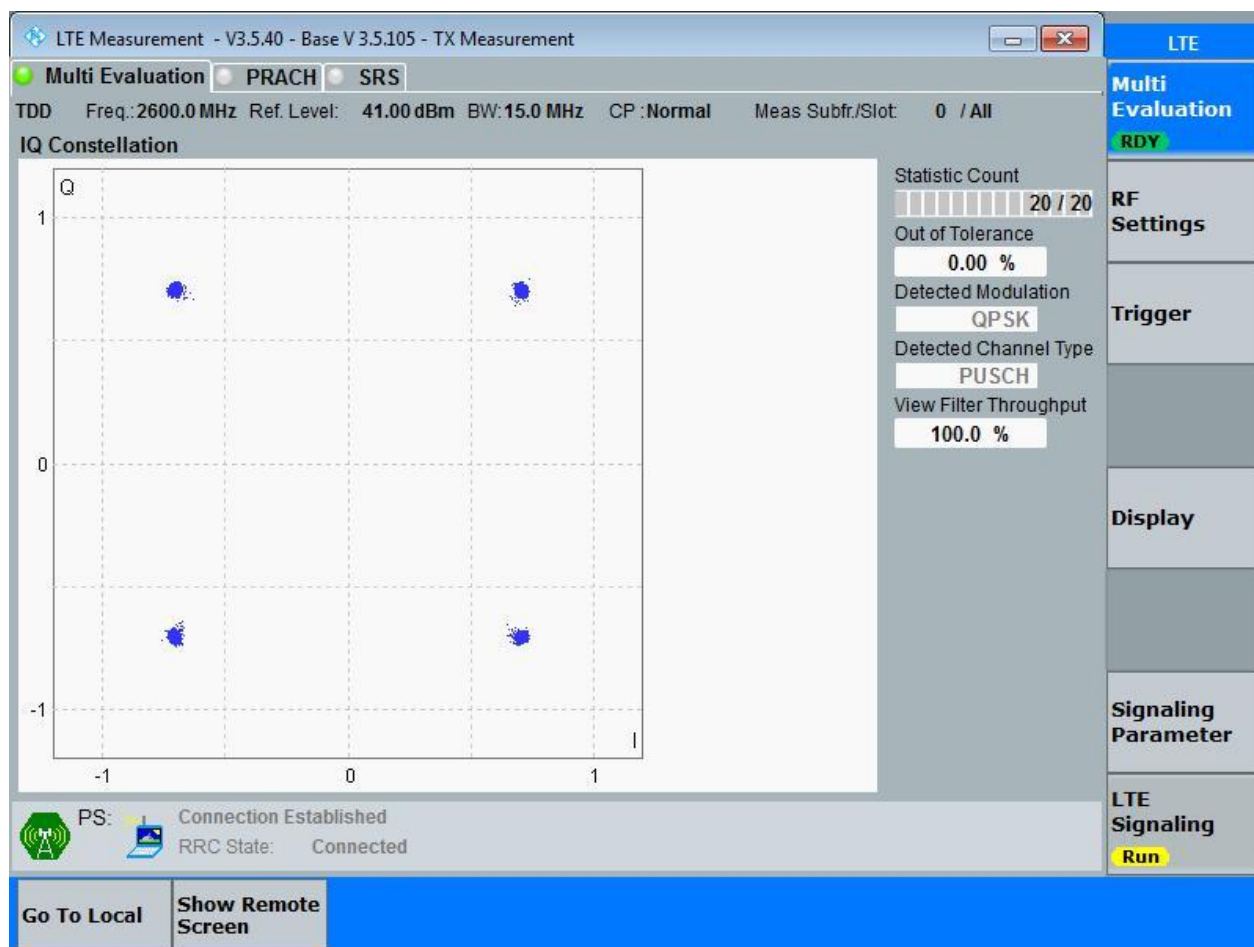
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

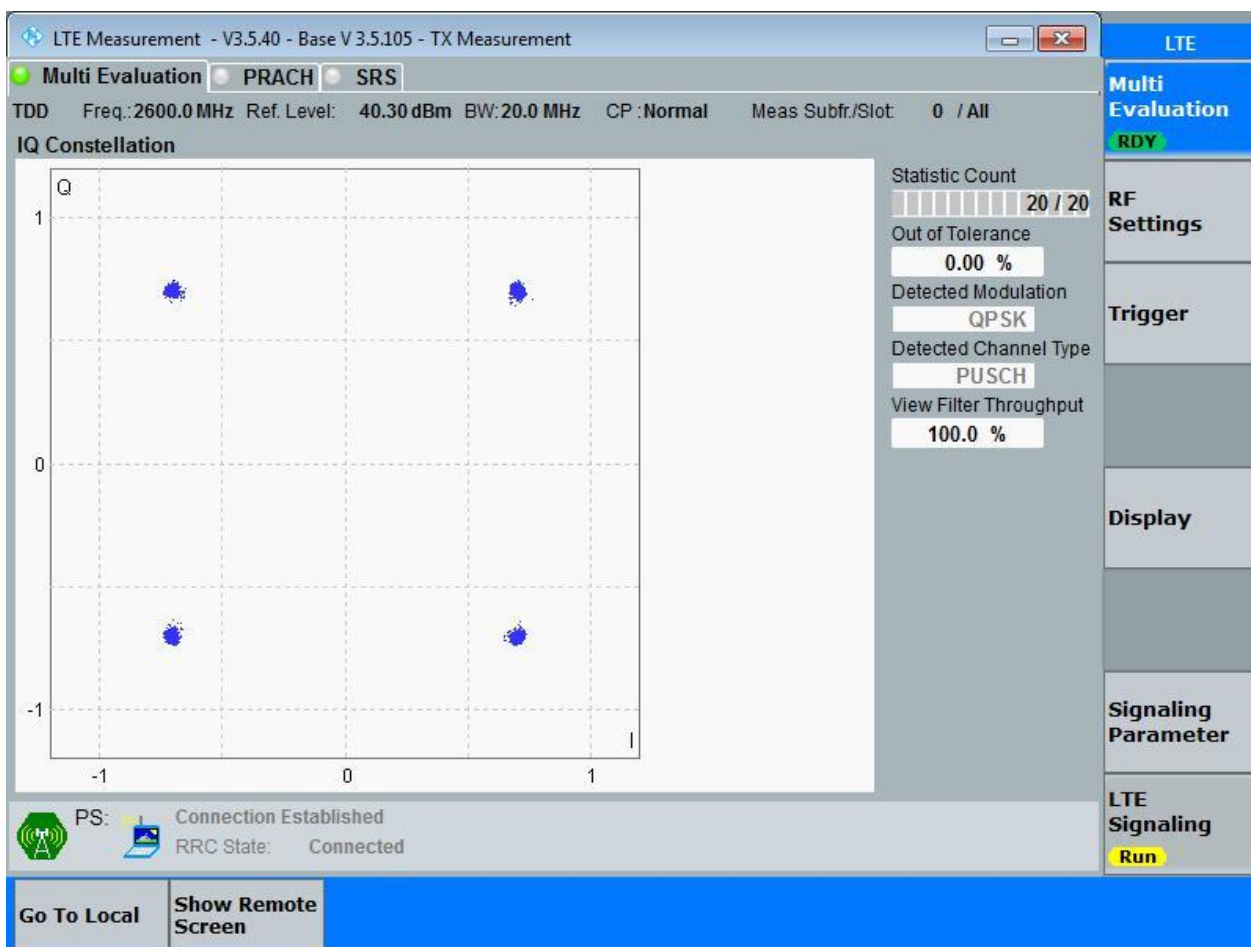
3.1.1.1.3.1.1 Test RB = RB75#0



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

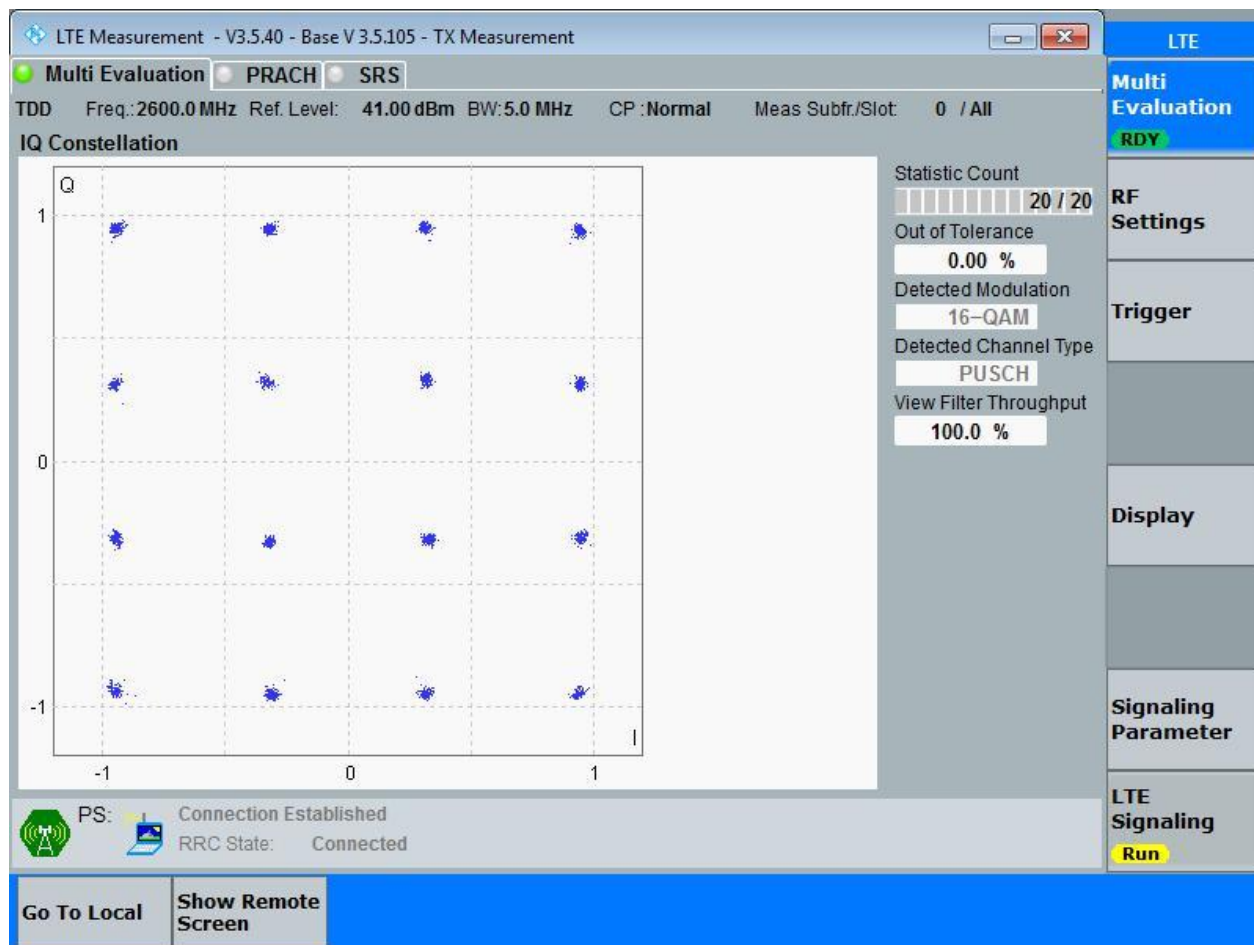


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

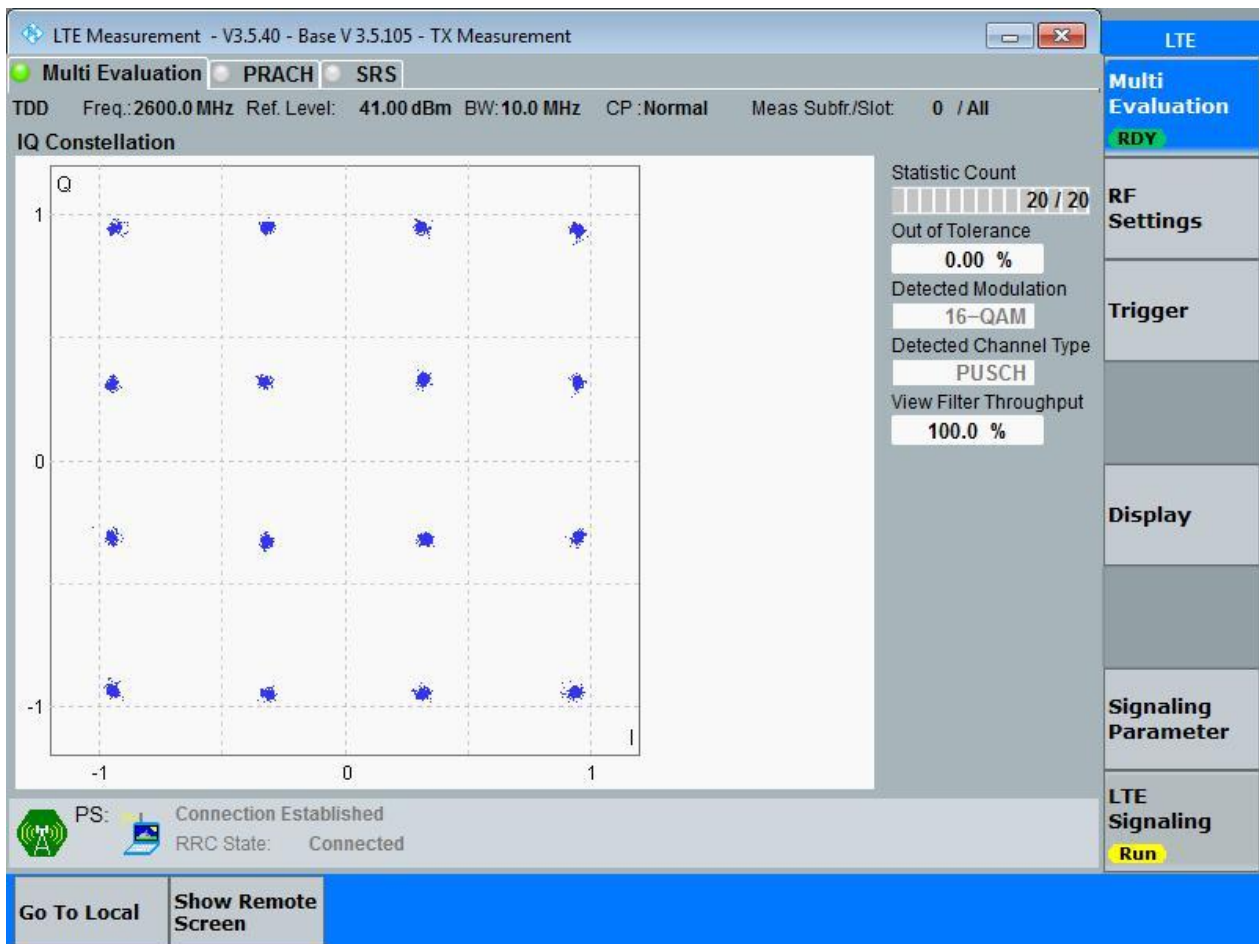
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

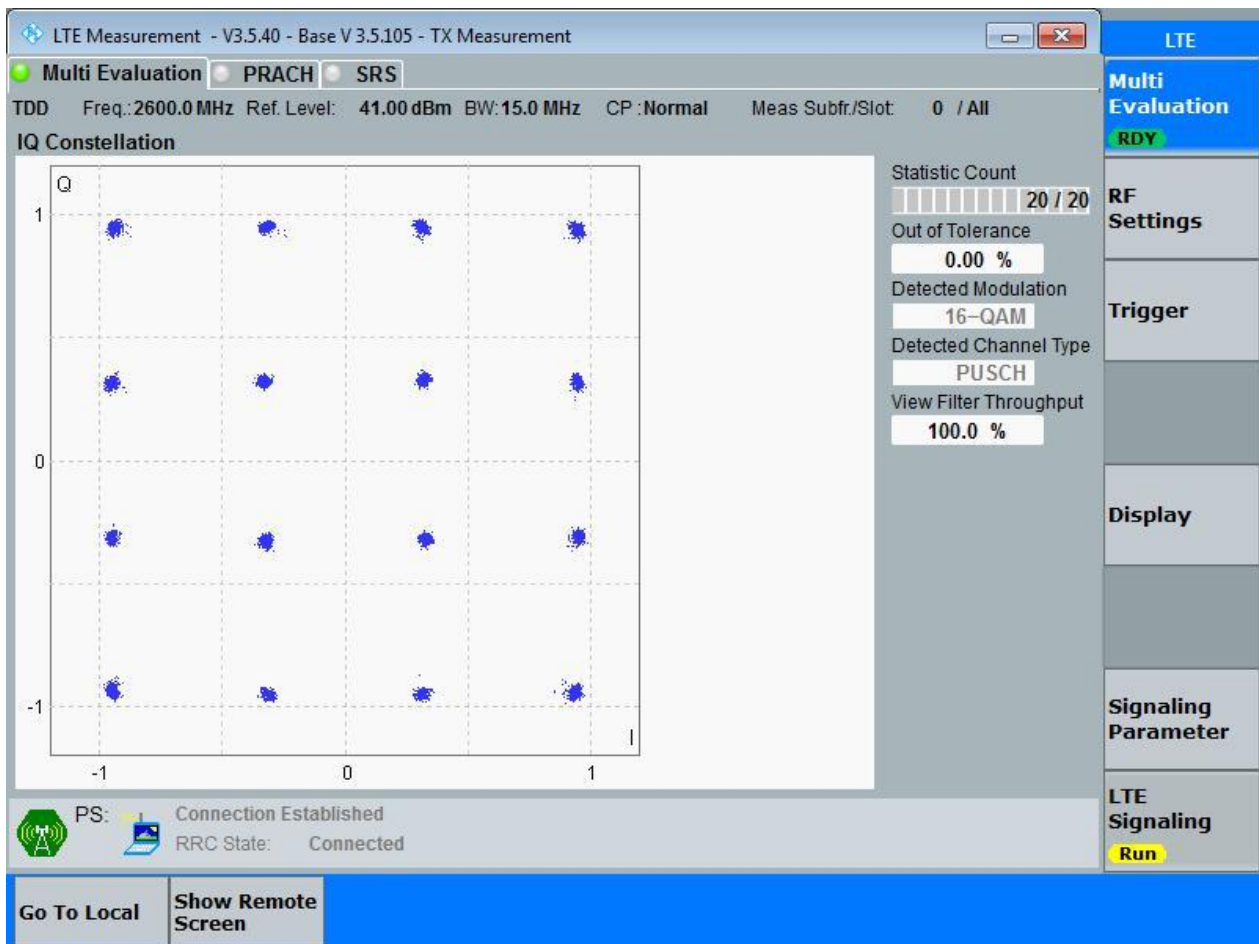
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

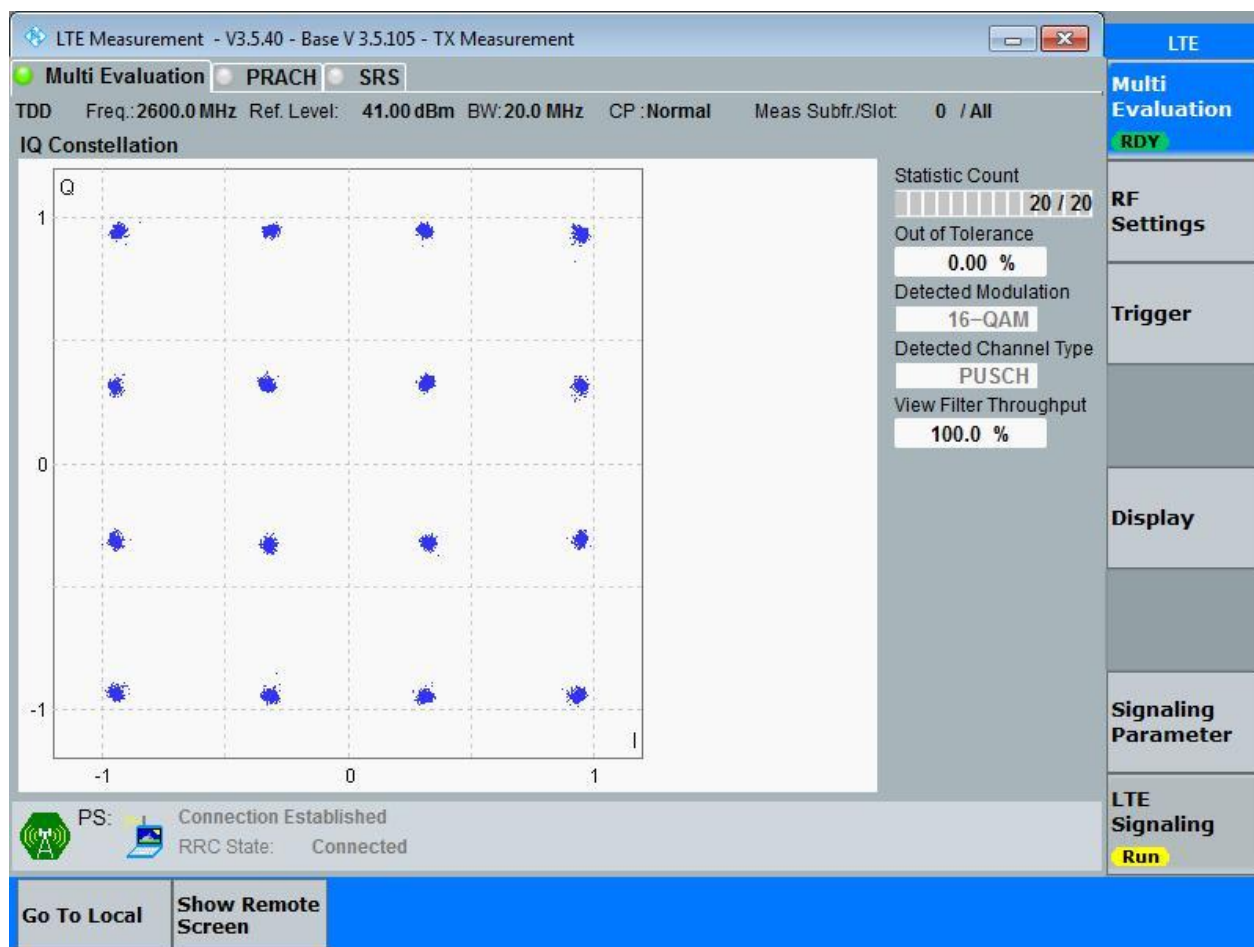
3.1.1.2.3.1.1 Test RB = RB75#0



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
BAND41	LTE/TM1	5	LCH	RB25#0	4.51	5.00	Pass
			MCH	RB25#0	4.52	5.03	Pass
			HCH	RB25#0	4.50	4.98	Pass
		10	LCH	RB50#0	8.98	9.91	Pass
			MCH	RB50#0	8.99	9.91	Pass
			HCH	RB50#0	9.02	9.89	Pass
		15	LCH	RB75#0	13.49	14.99	Pass
			MCH	RB75#0	13.51	15.46	Pass
			HCH	RB75#0	13.51	14.99	Pass
		20	LCH	RB100#0	17.99	19.97	Pass
			MCH	RB100#0	18.00	19.73	Pass
			HCH	RB100#0	18.03	19.78	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	5.06	Pass
			MCH	RB25#0	4.50	4.96	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	8.99	9.92	Pass
			MCH	RB50#0	9.01	9.87	Pass
			HCH	RB50#0	9.00	10.04	Pass
		15	LCH	RB75#0	13.53	14.87	Pass
			MCH	RB75#0	13.48	14.97	Pass
			HCH	RB75#0	13.50	15.21	Pass
		20	LCH	RB100#0	18.00	19.87	Pass
			MCH	RB100#0	18.02	19.77	Pass
			HCH	RB100#0	17.98	19.71	Pass



Part II - Test Plots

4.1 For LTE

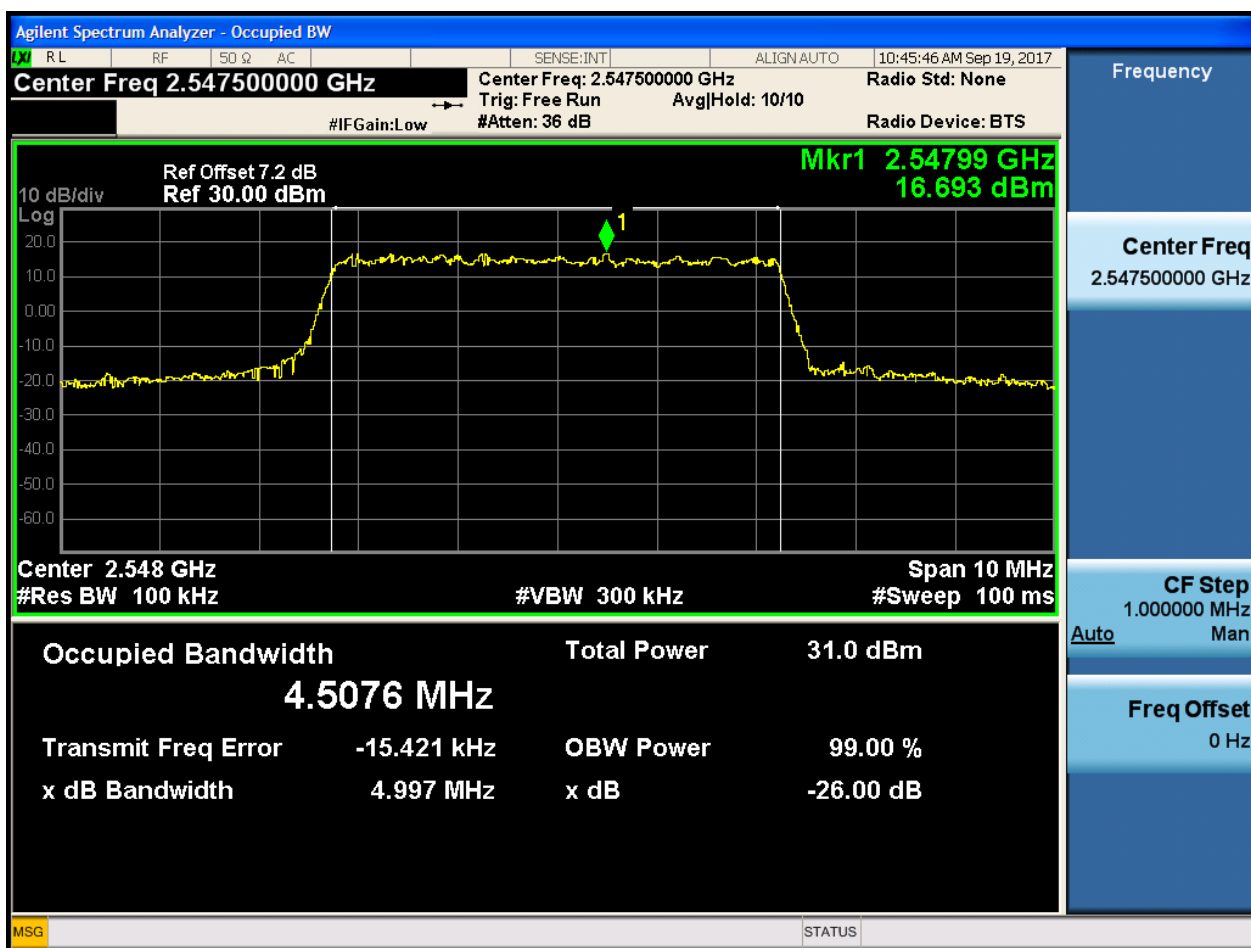
4.1.1 Test Band = BAND41

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

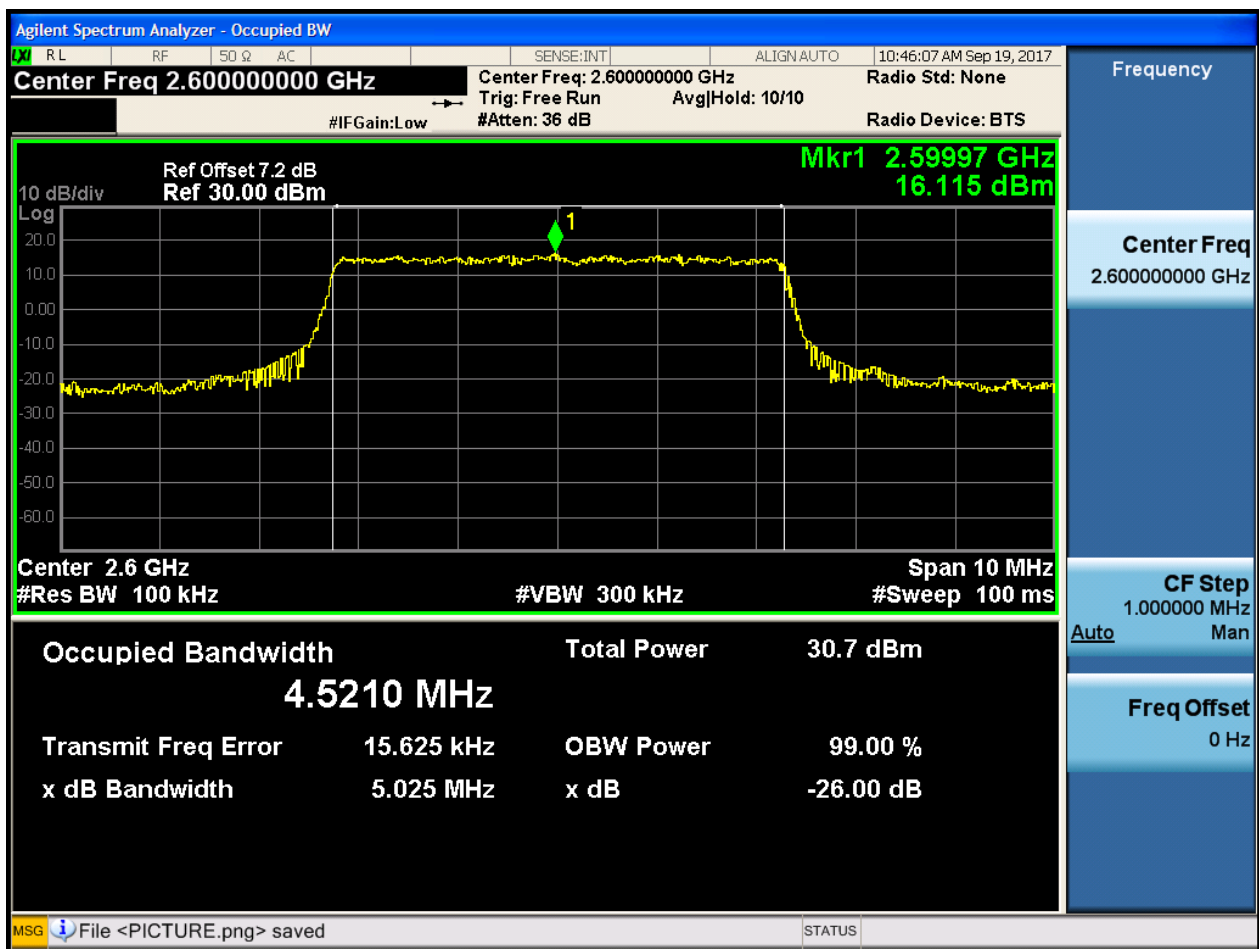
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0



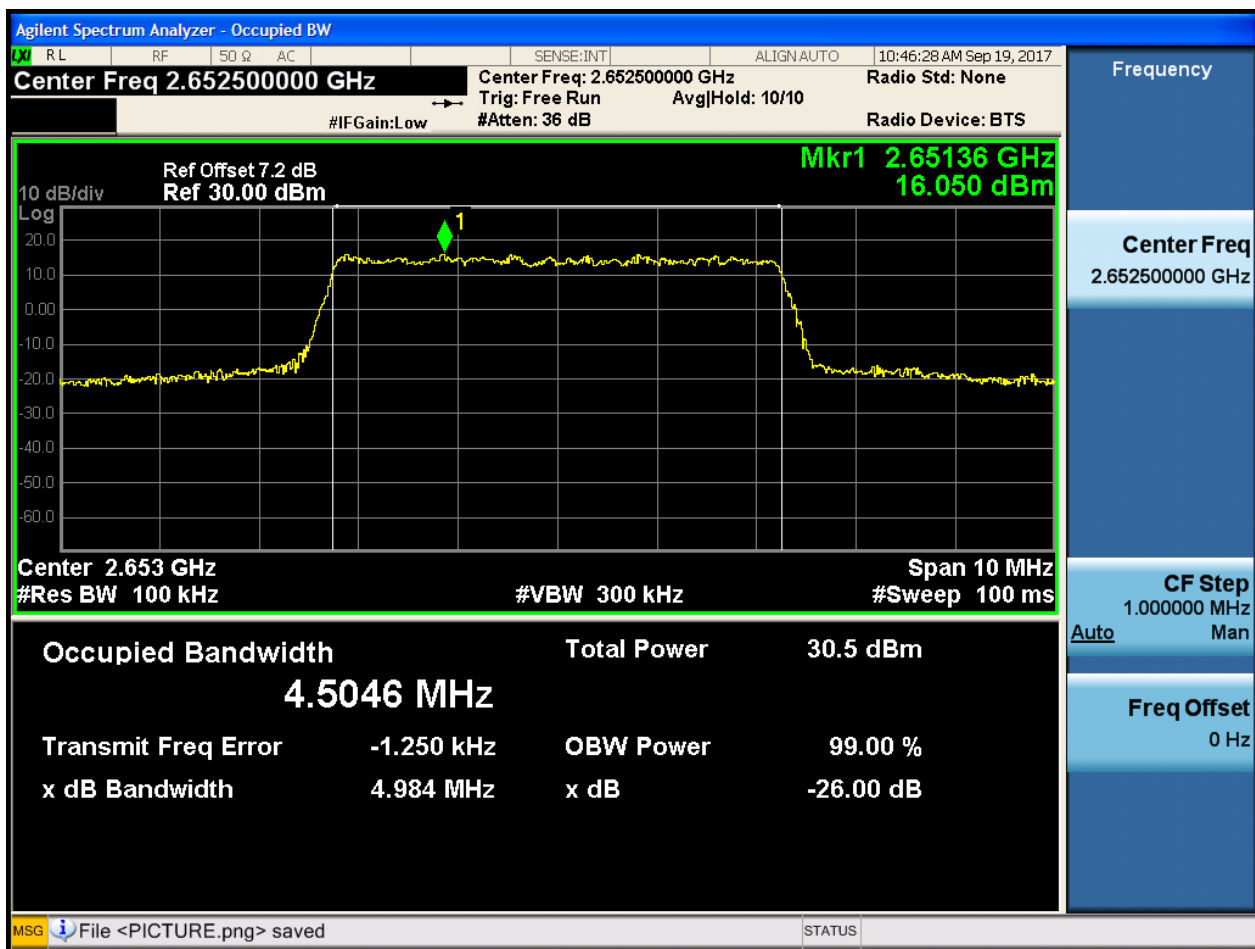
4.1.1.1.1.2 Test Channel = MCH

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

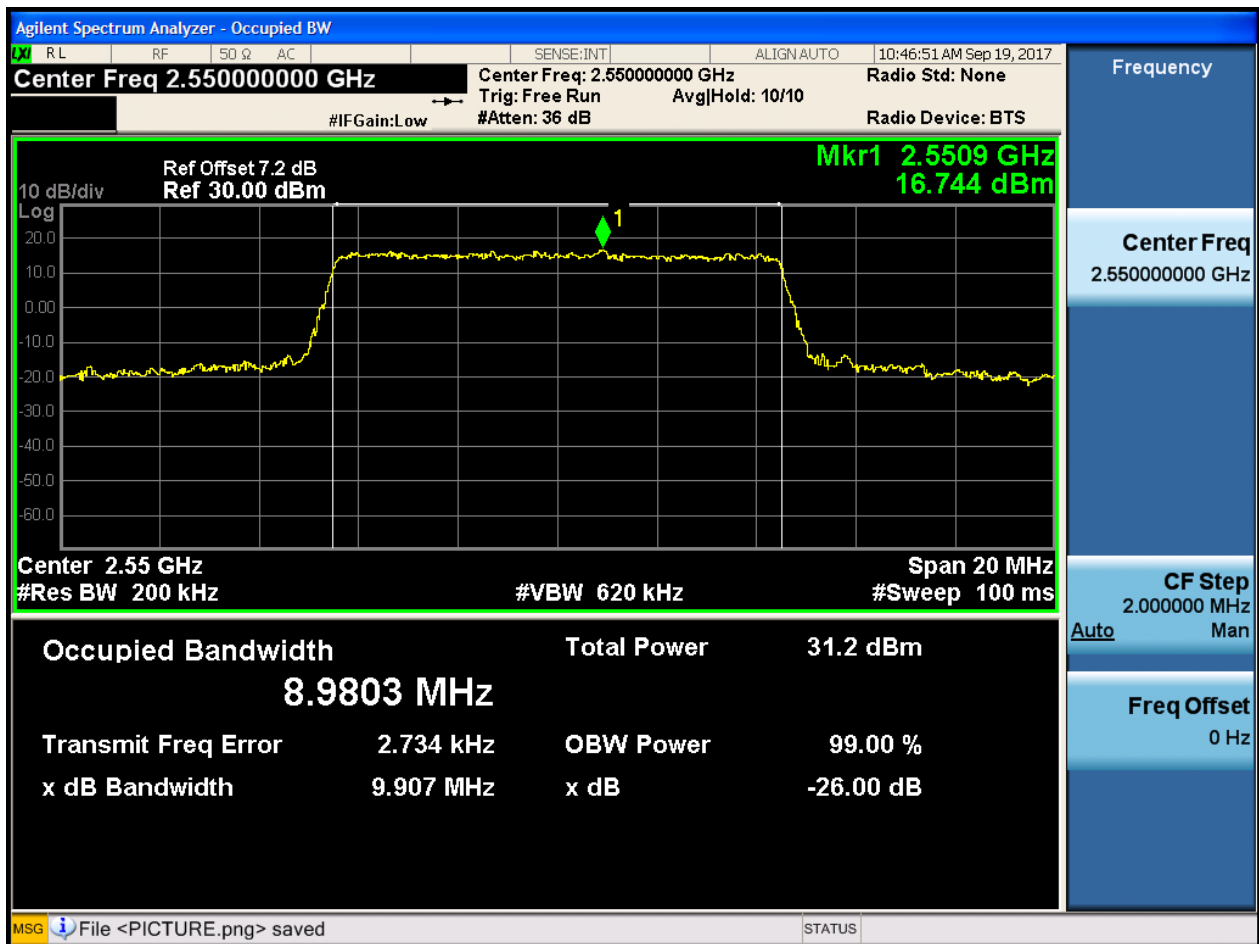




4.1.1.1.2 Test Bandwidth = 10

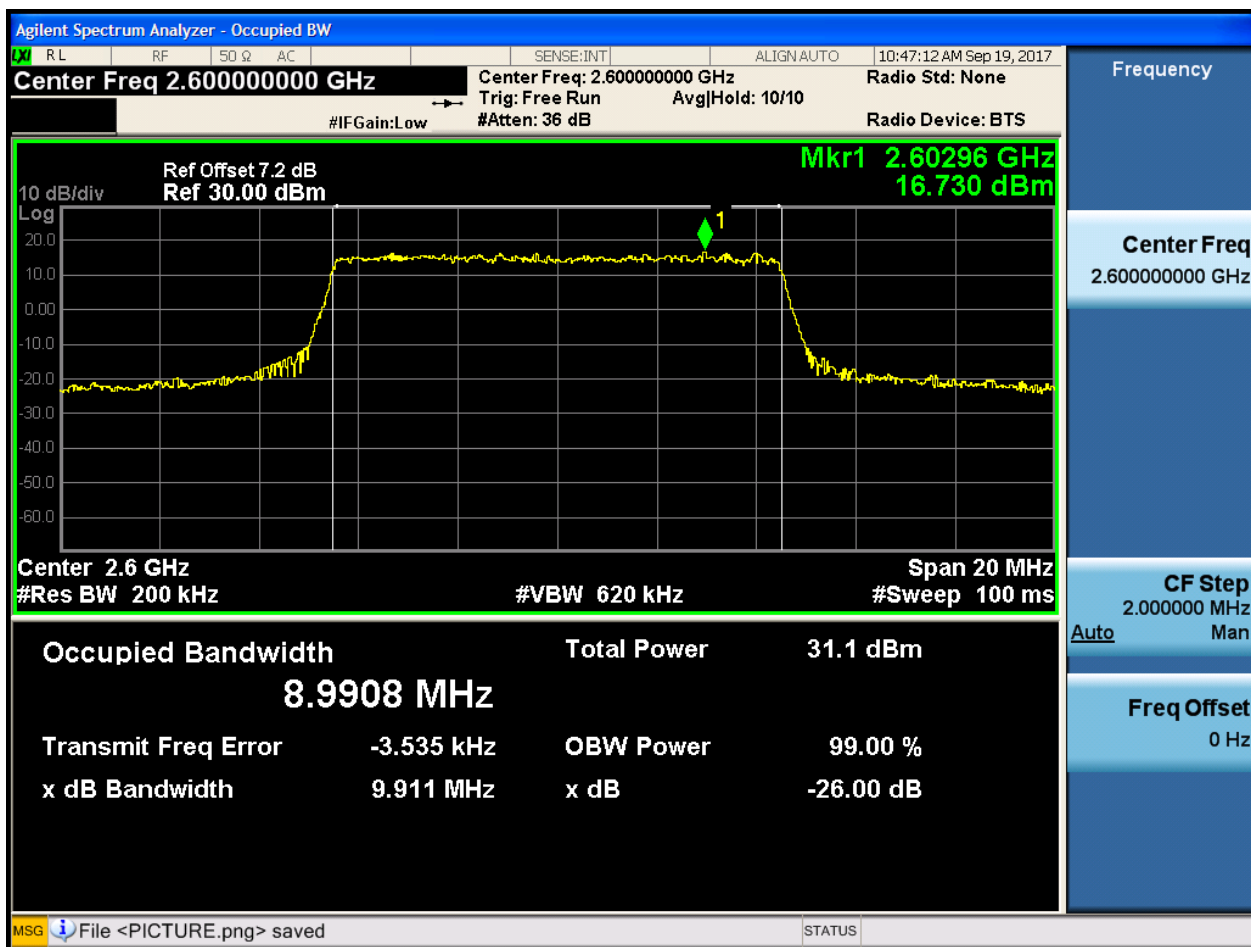
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0



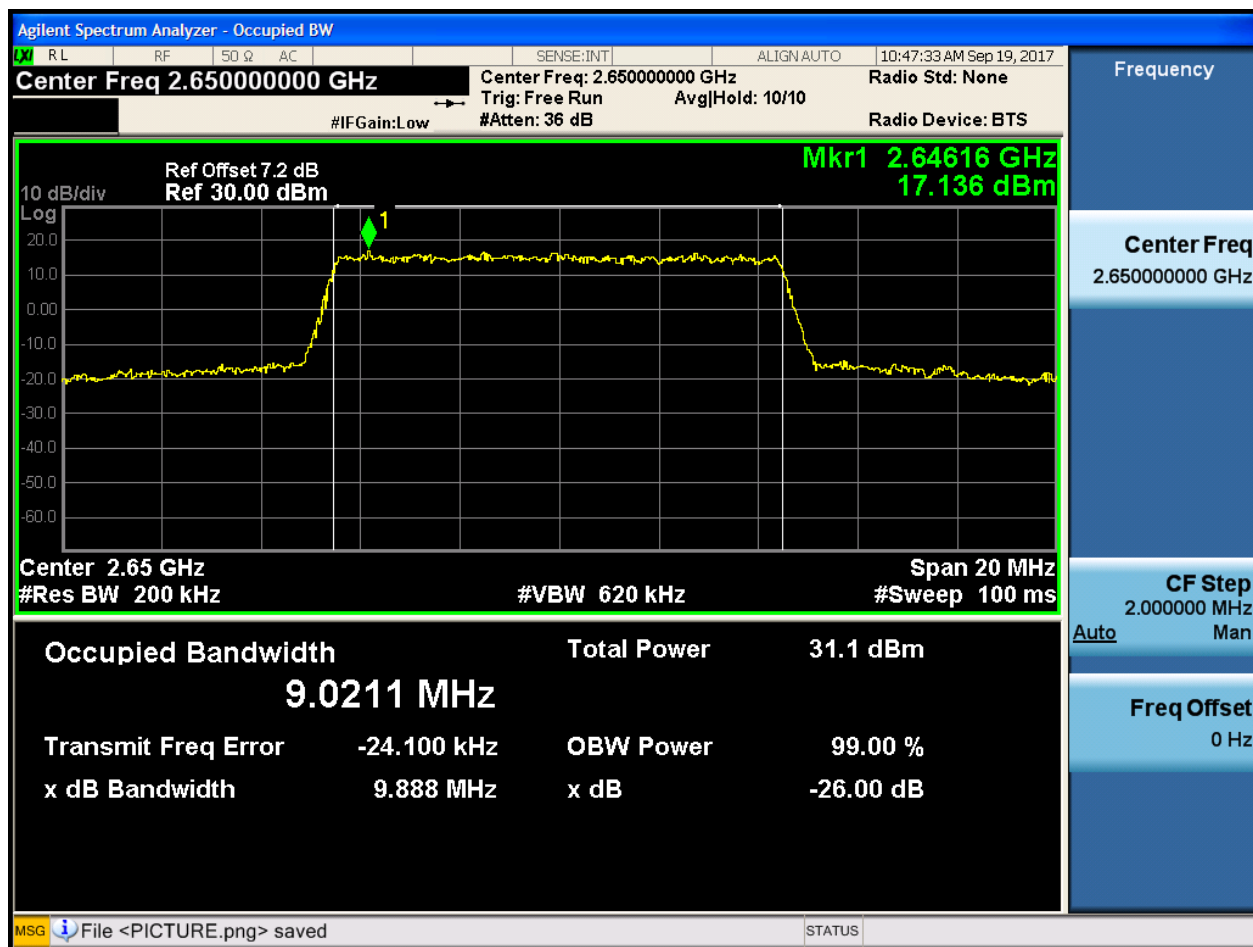
4.1.1.1.2.2 Test Channel = MCH

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

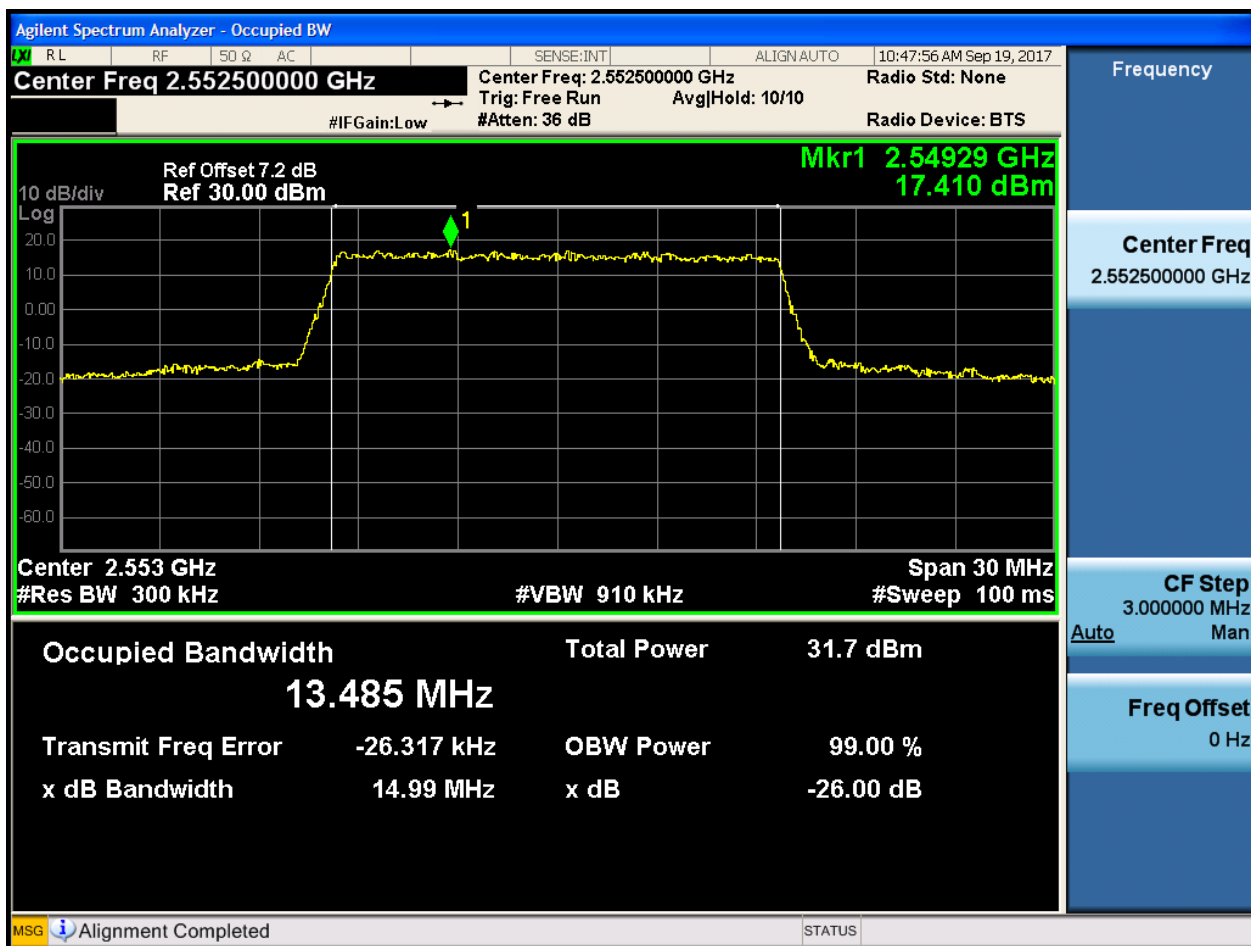




4.1.1.1.3 Test Bandwidth = 15

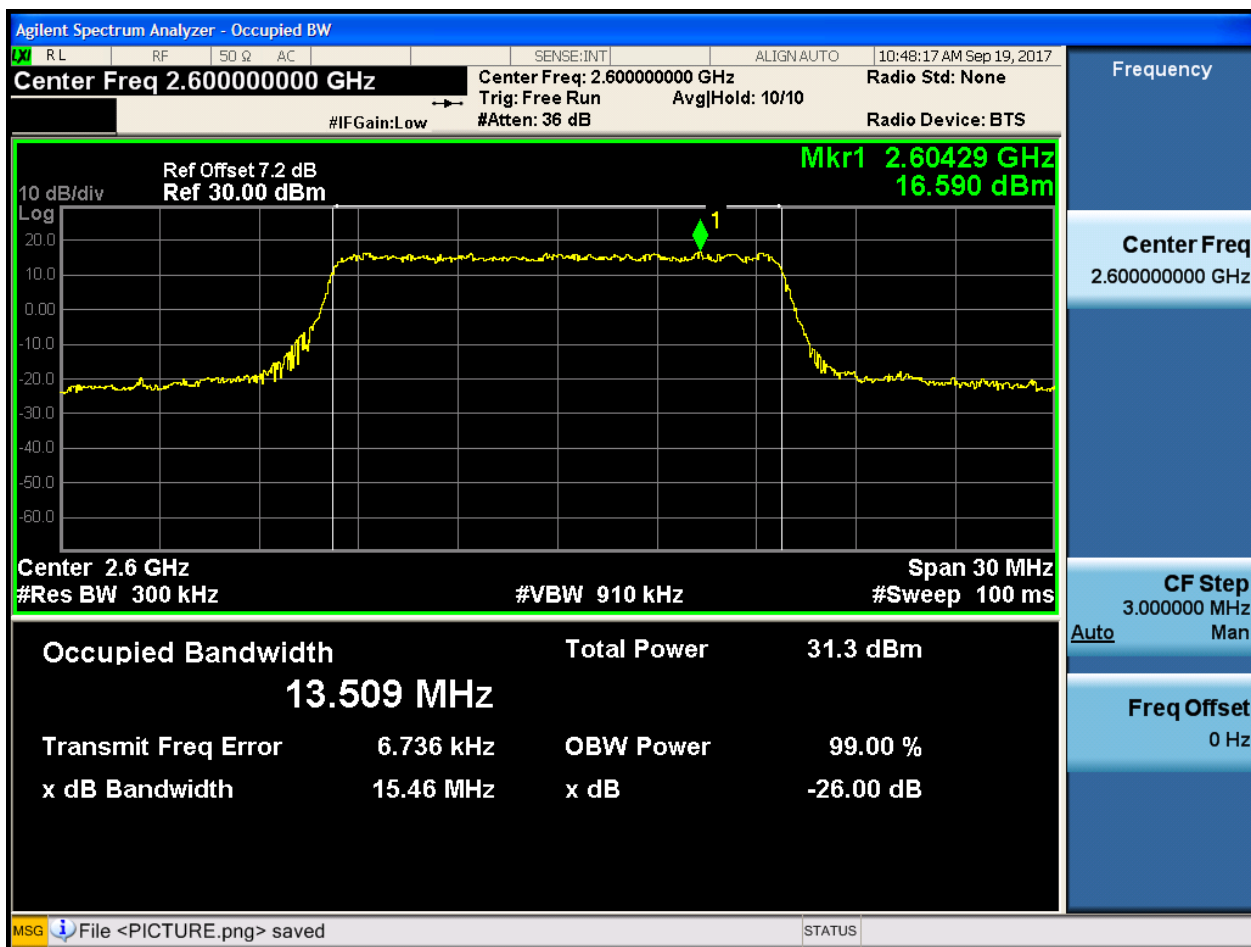
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB75#0



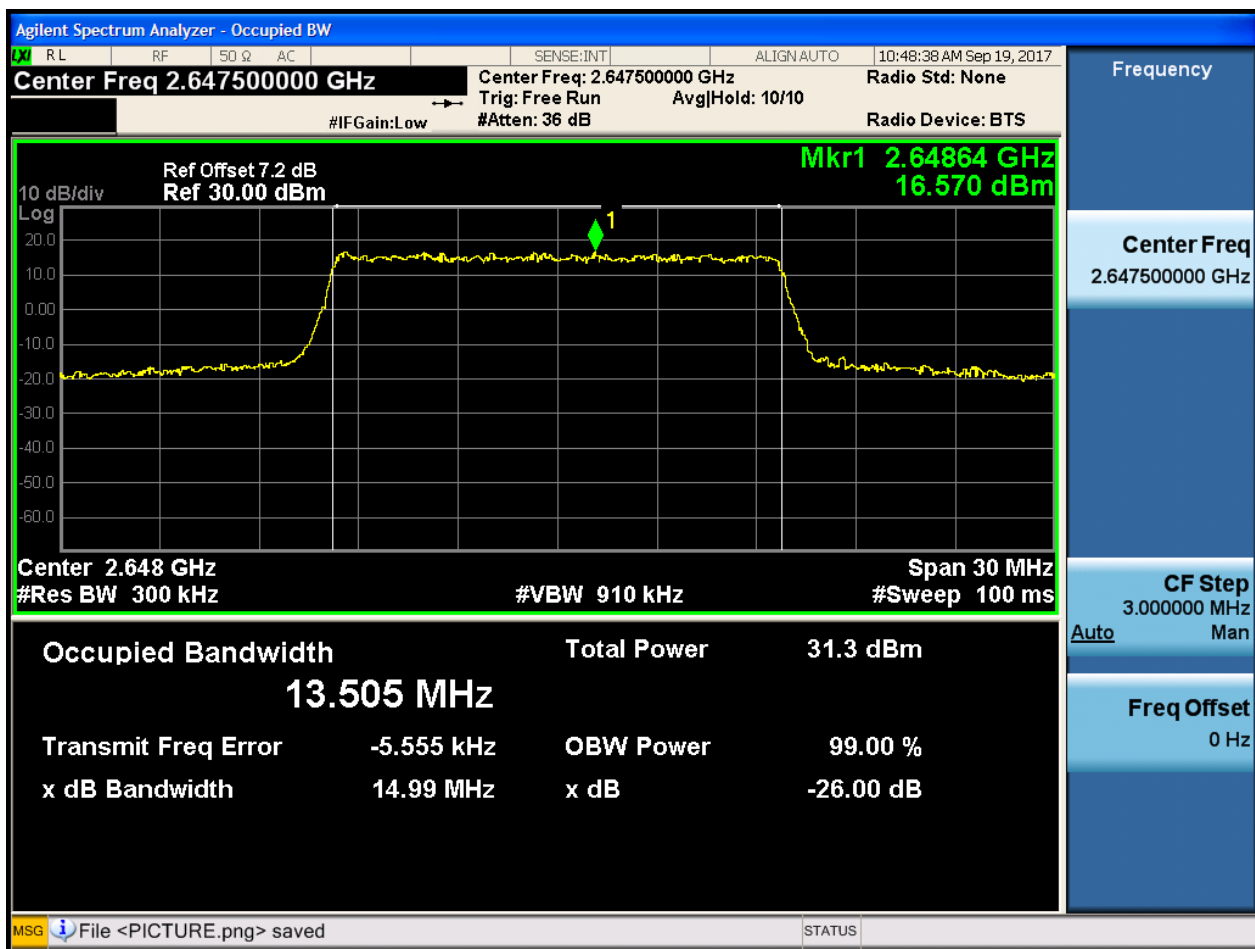
4.1.1.1.3.2 Test Channel = MCH

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

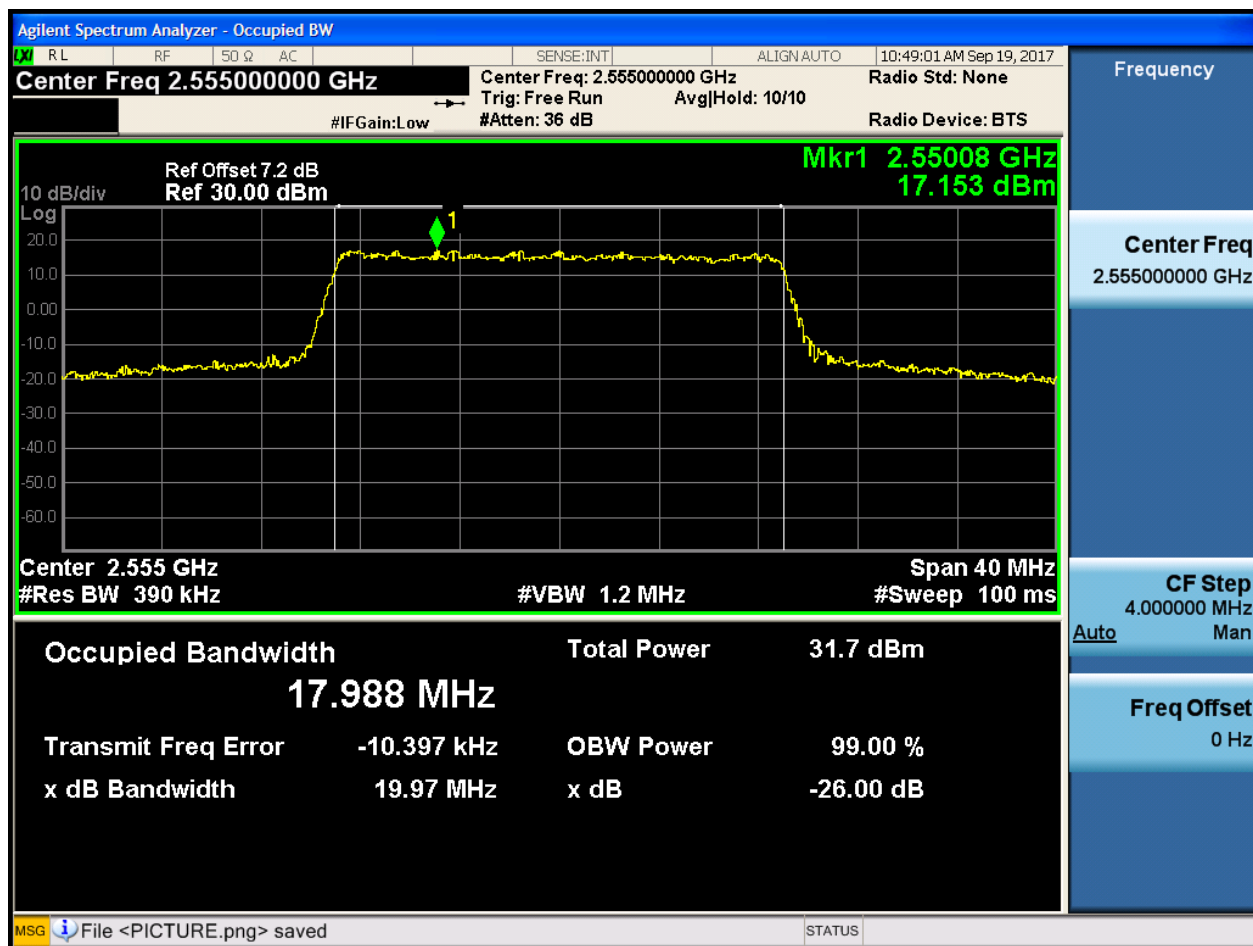




4.1.1.1.4 Test Bandwidth = 20

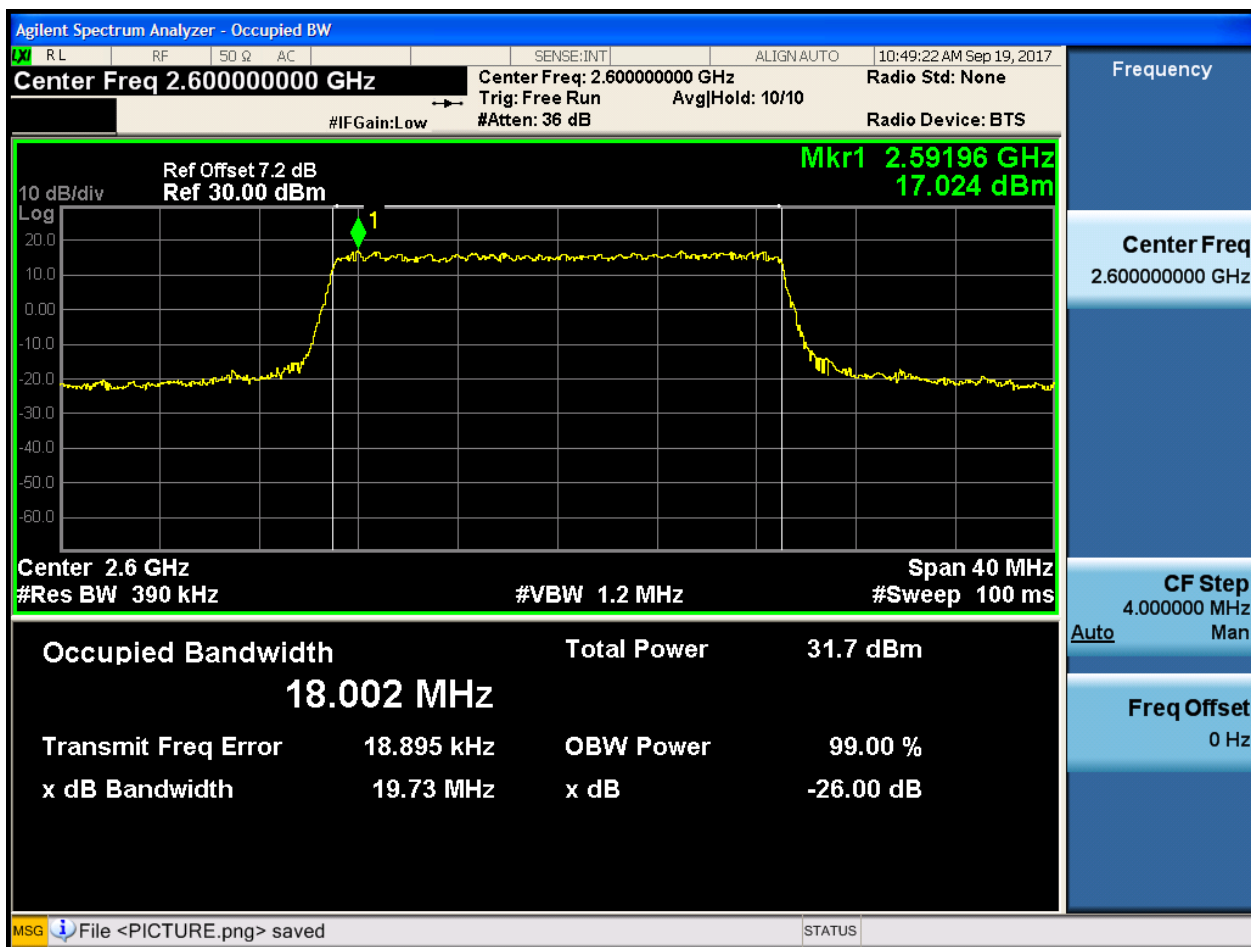
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB100#0



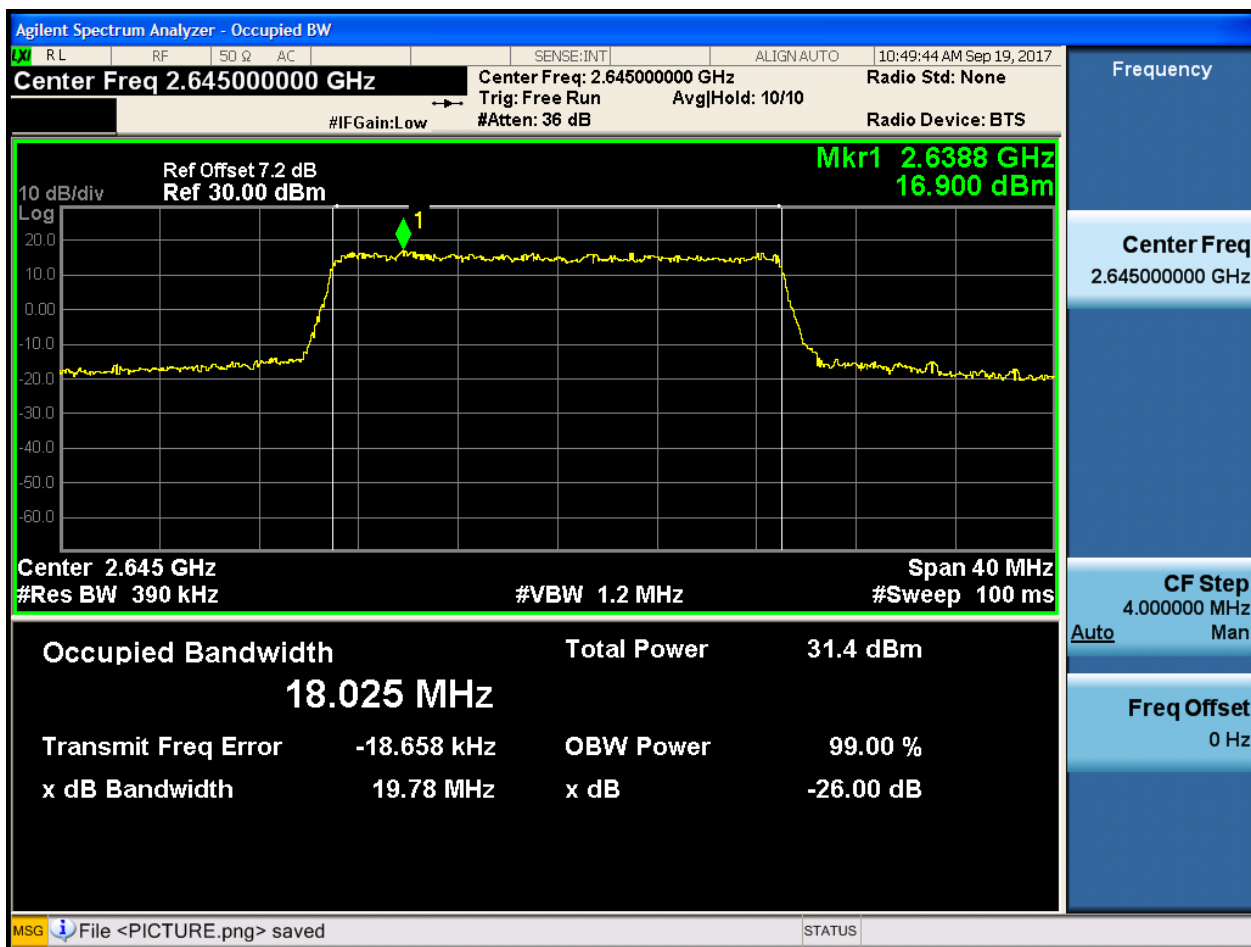
4.1.1.1.4.2 Test Channel = MCH

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

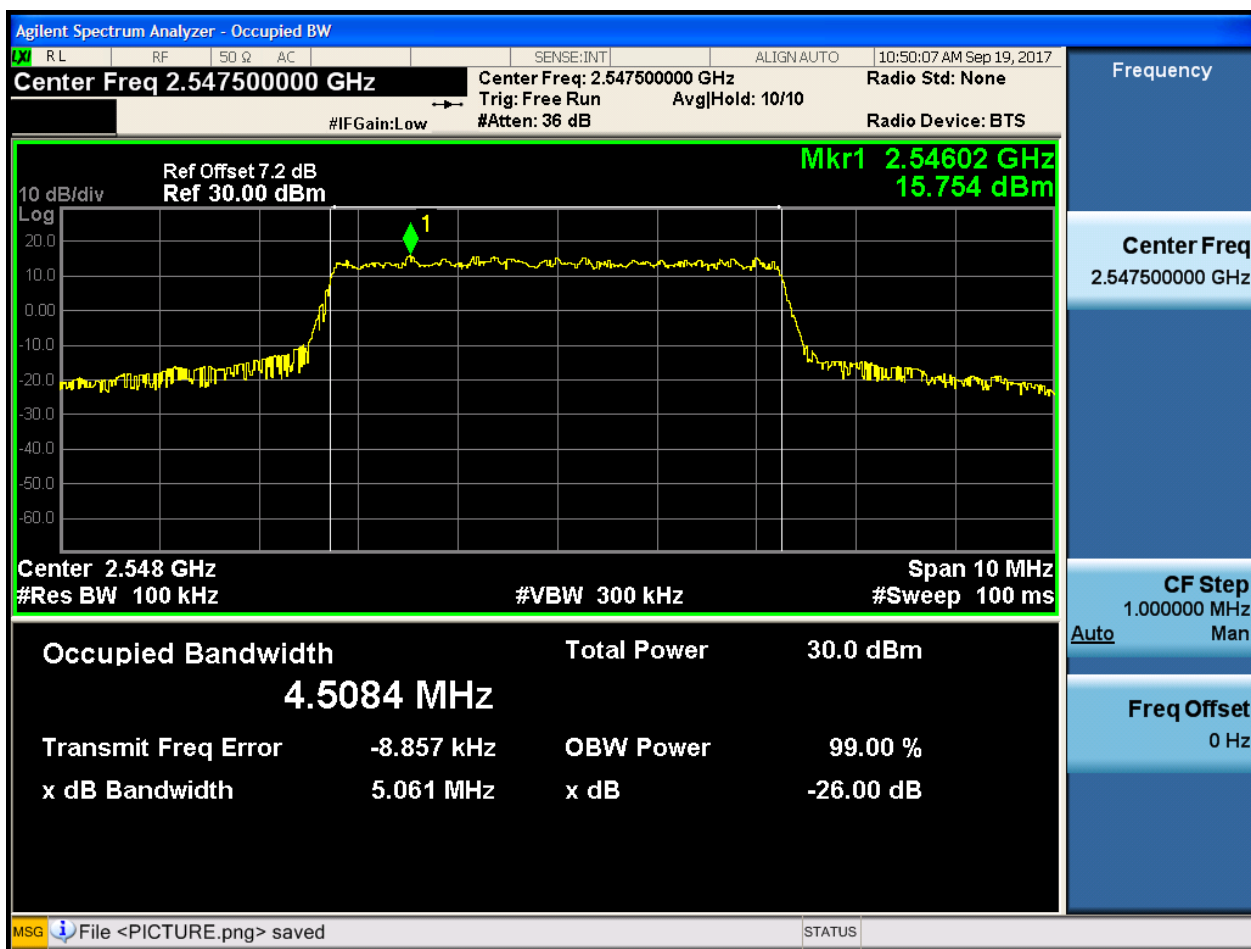


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

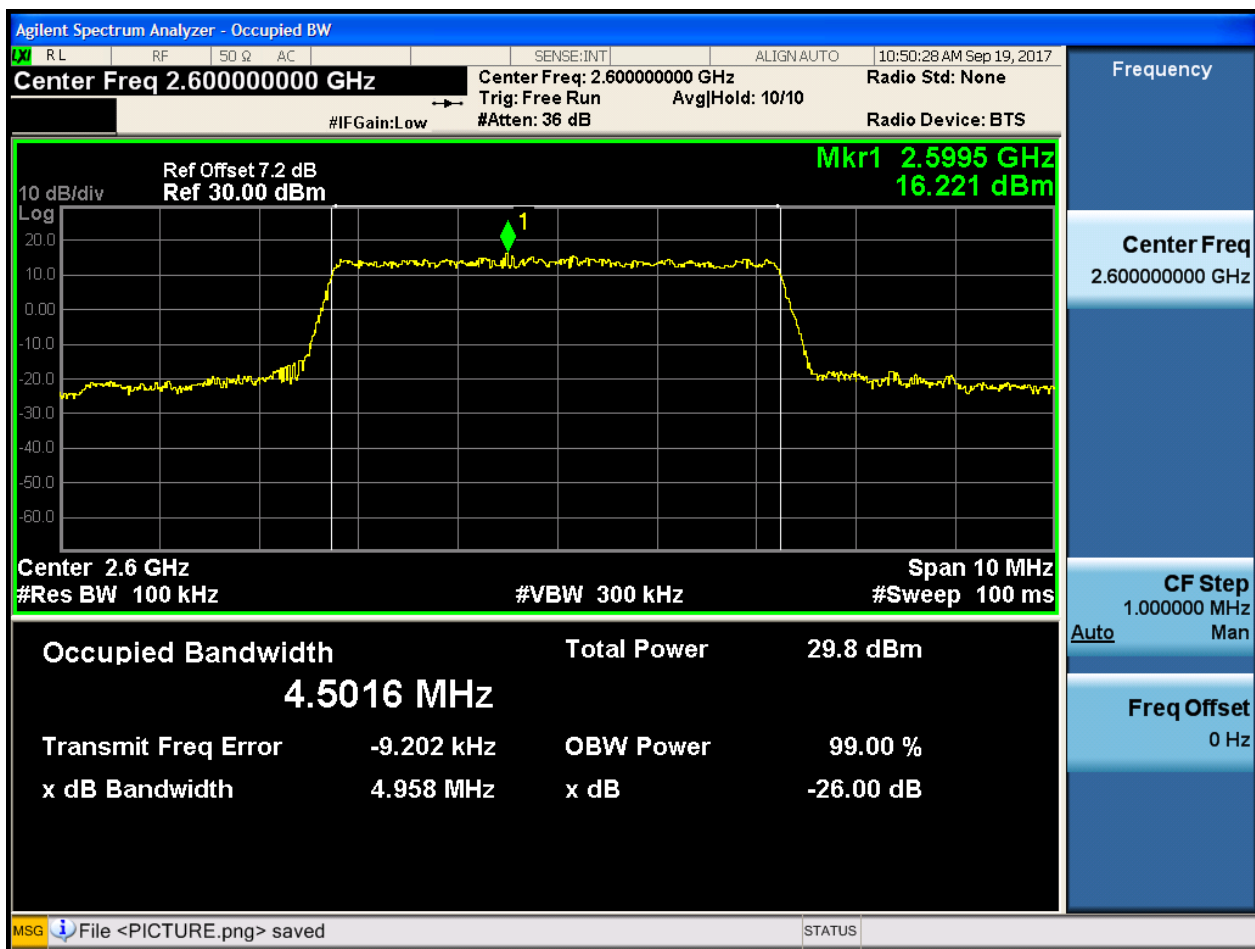
4.1.1.2.1.1.1 Test RB = RB25#0





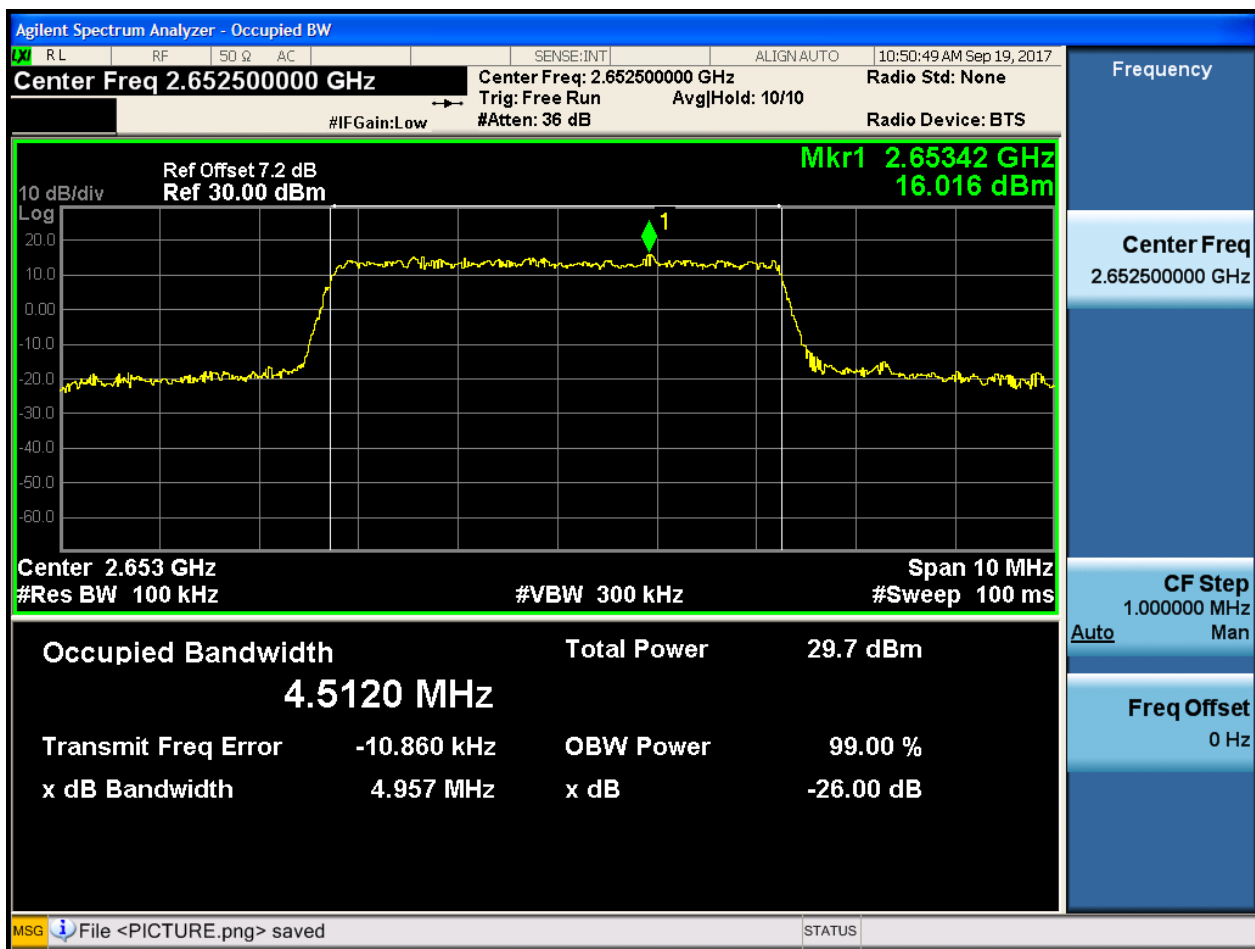
4.1.1.2.1.2 Test Channel = MCH

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

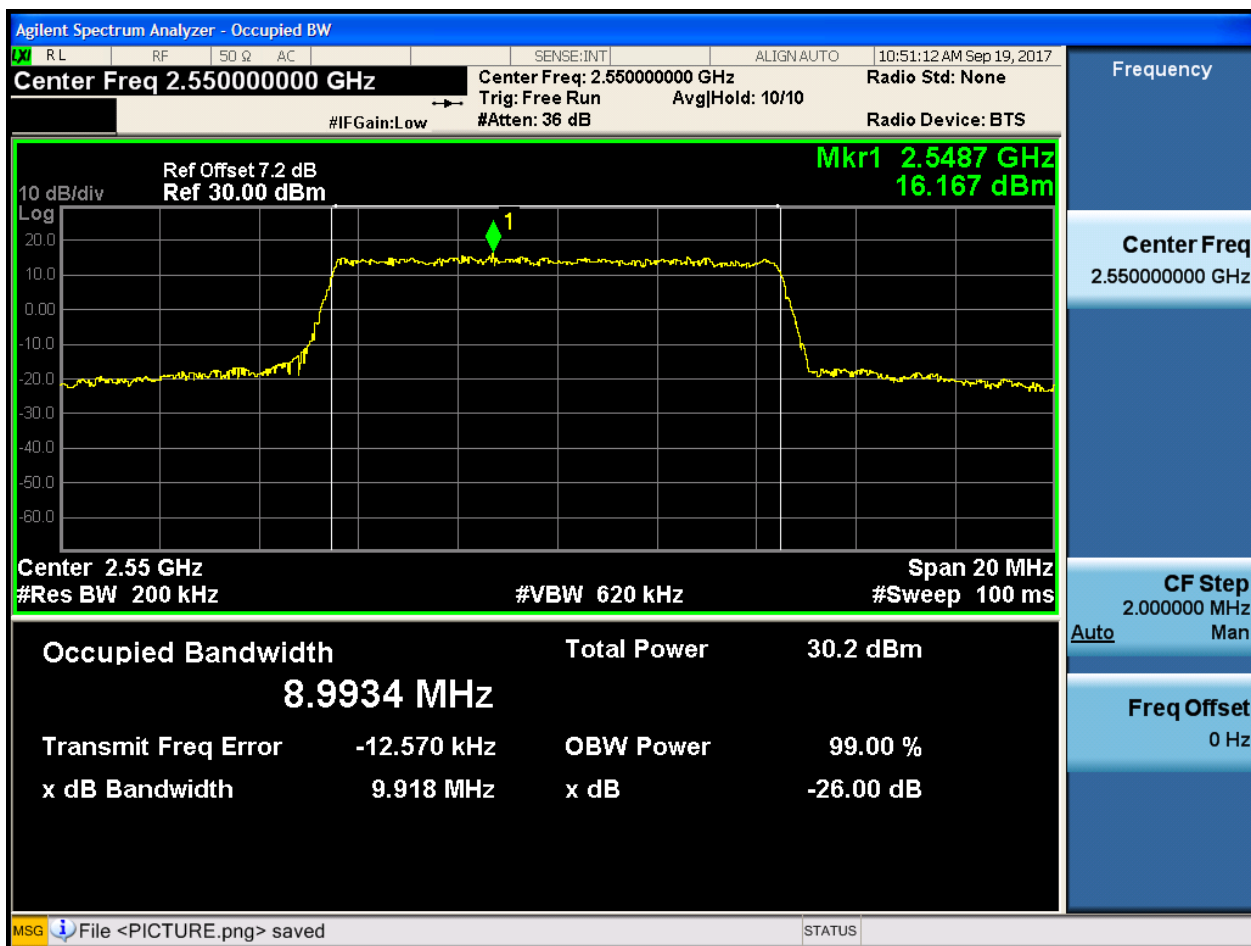




4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

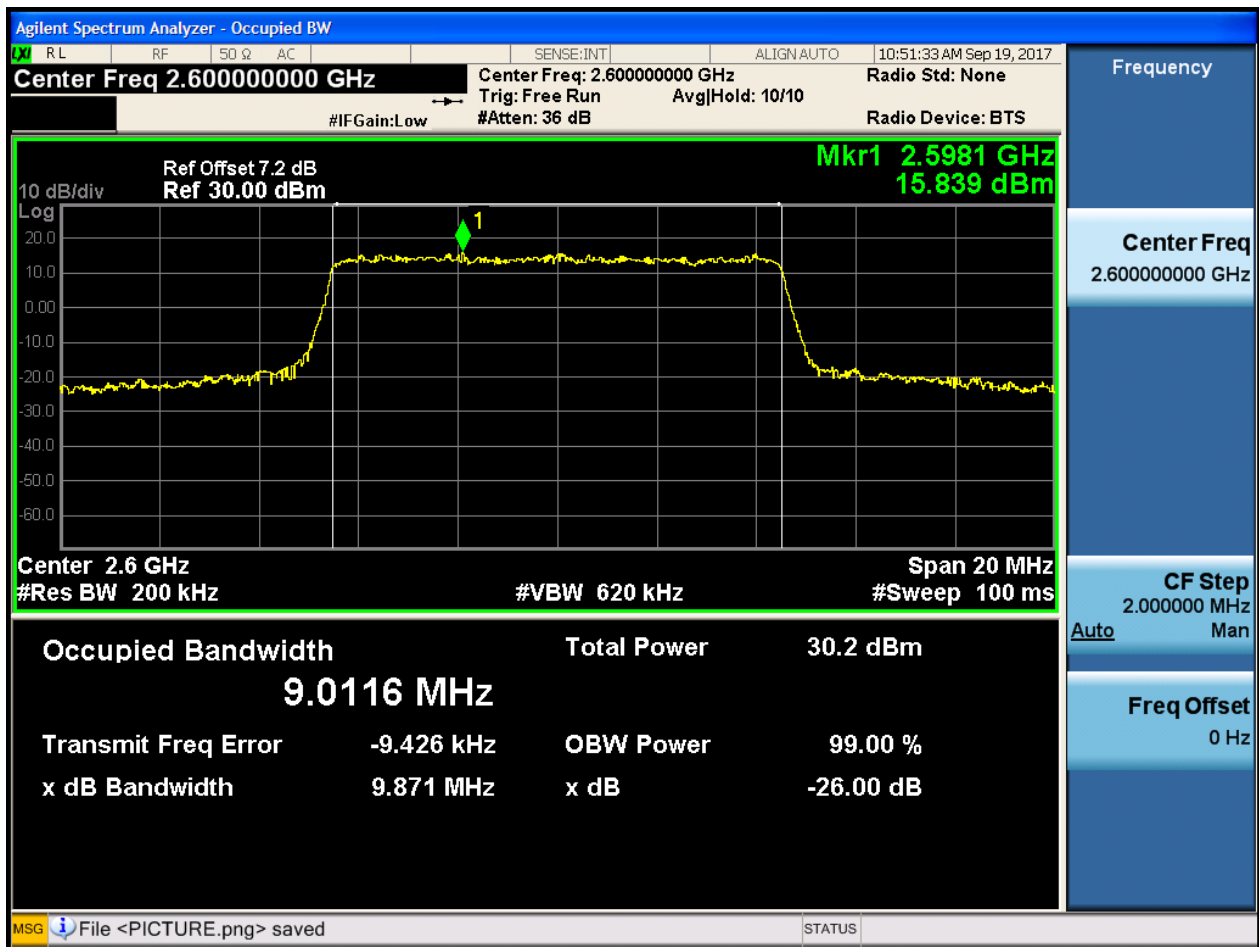
4.1.1.2.2.1.1 Test RB = RB50#0





4. 1.1.1.2.2.2 Test Channel = MCH

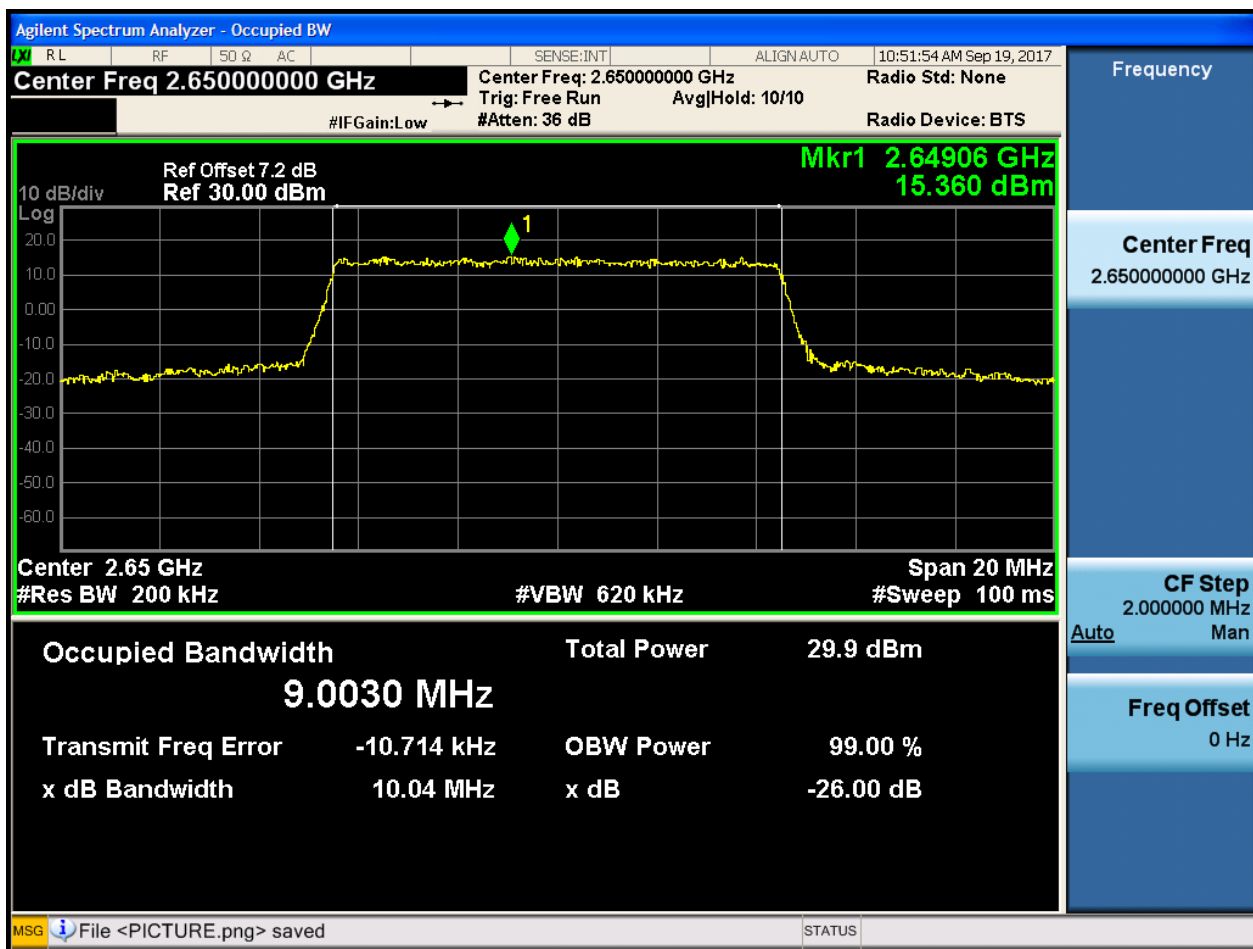
4.1.1.2.2.2.1 Test RB = RB50#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0

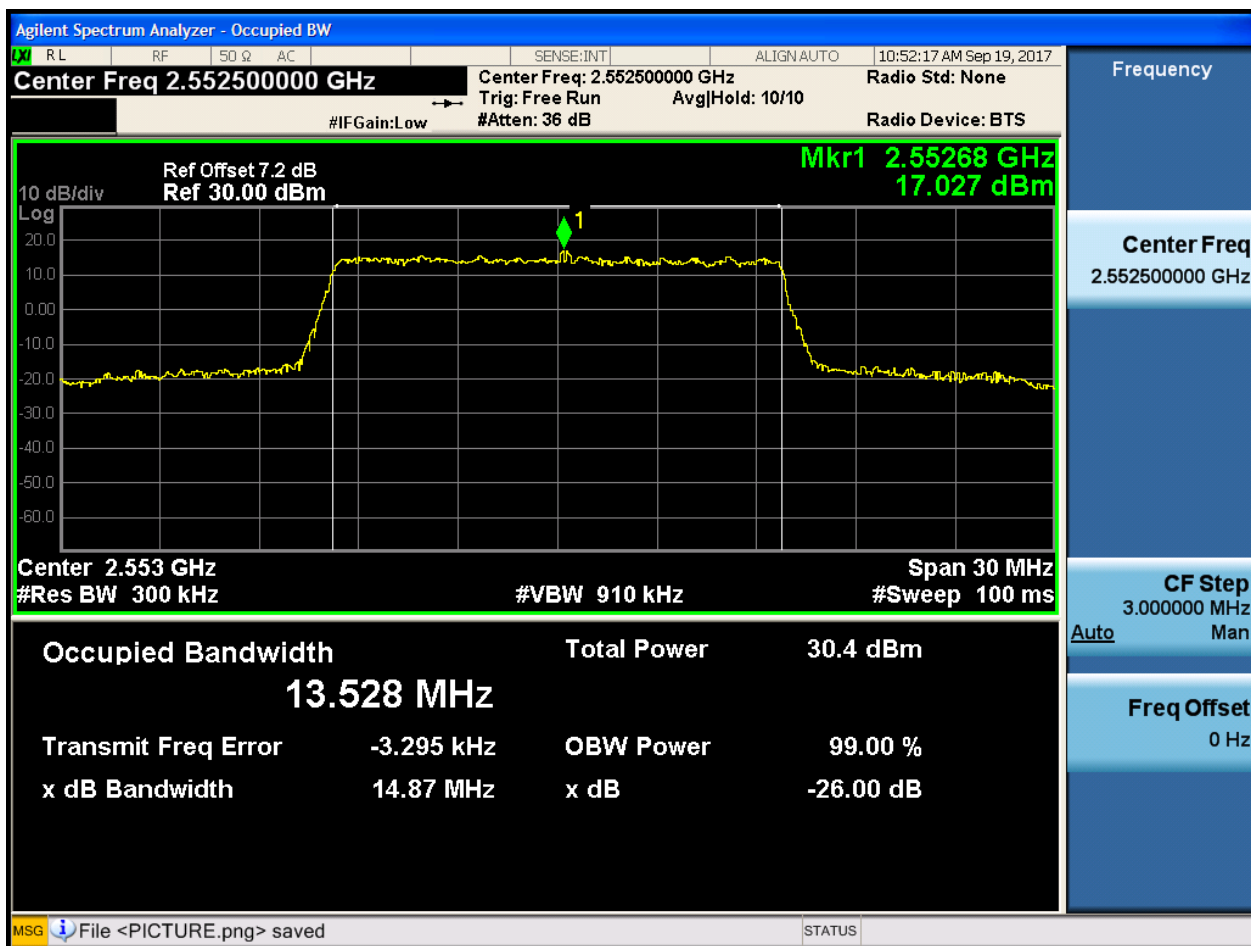




4.1.1.2.3 Test Bandwidth = 15

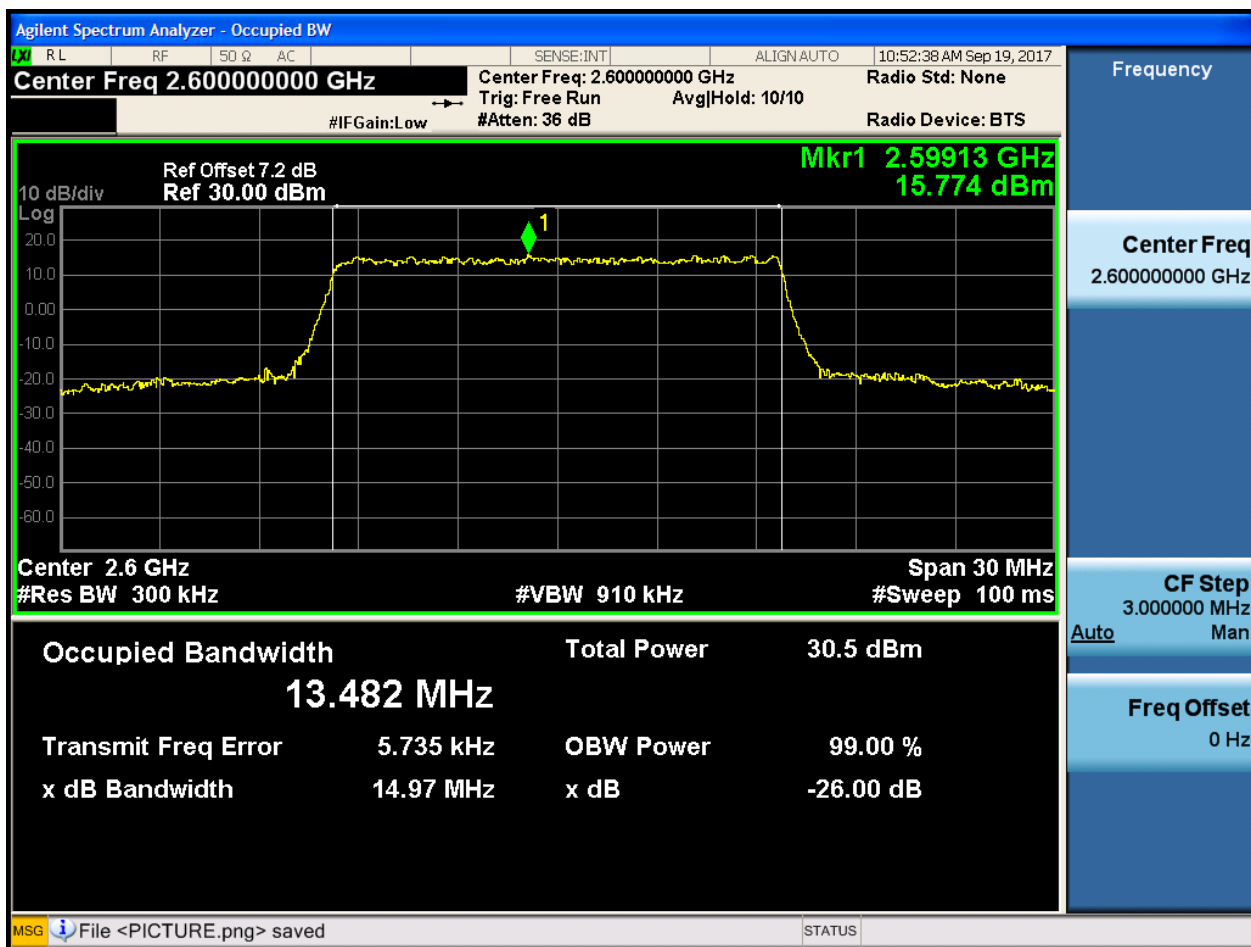
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB75#0



4.1.1.2.3.2 Test Channel = MCH

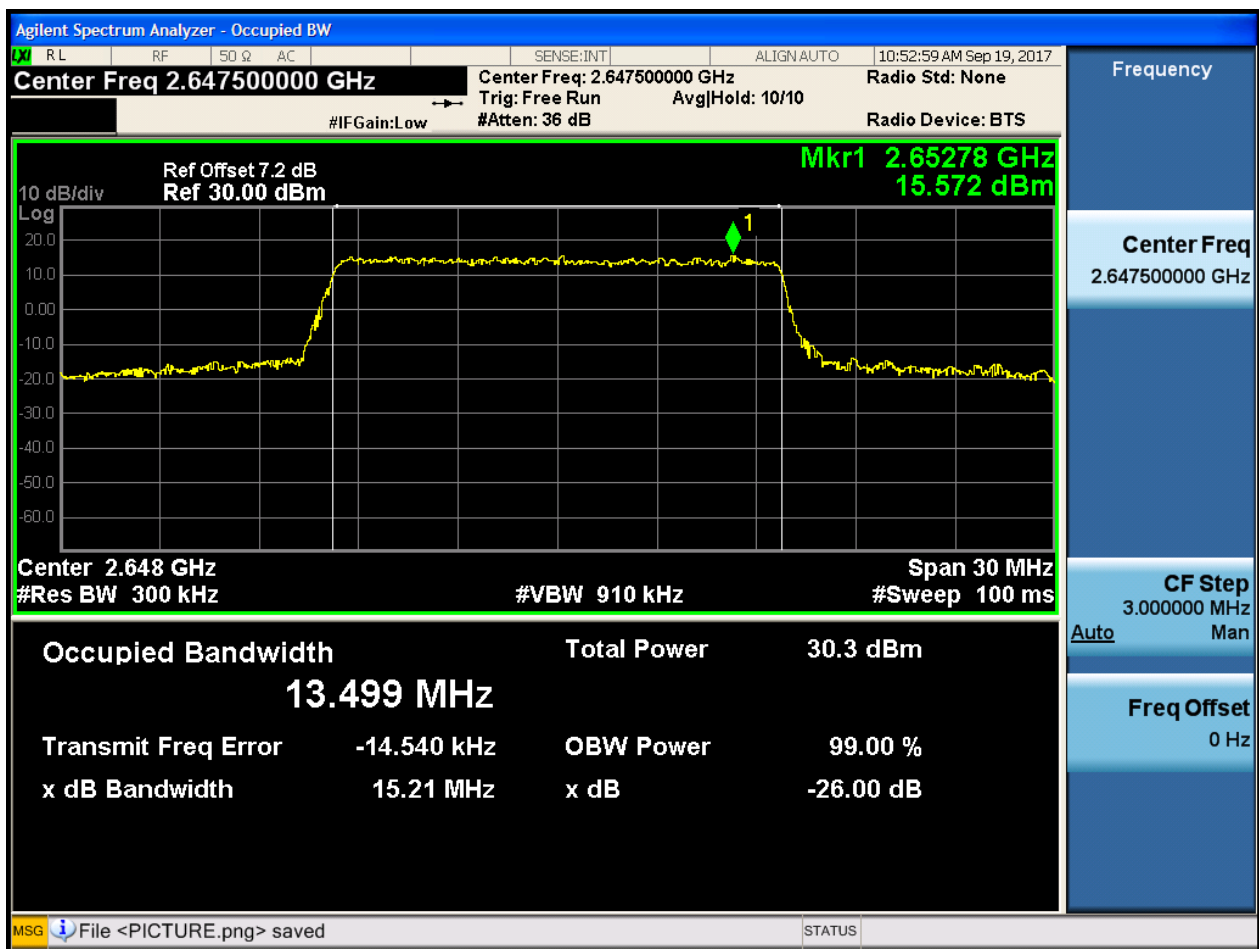
4.1.1.2.3.2.1 Test RB = RB75#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB75#0

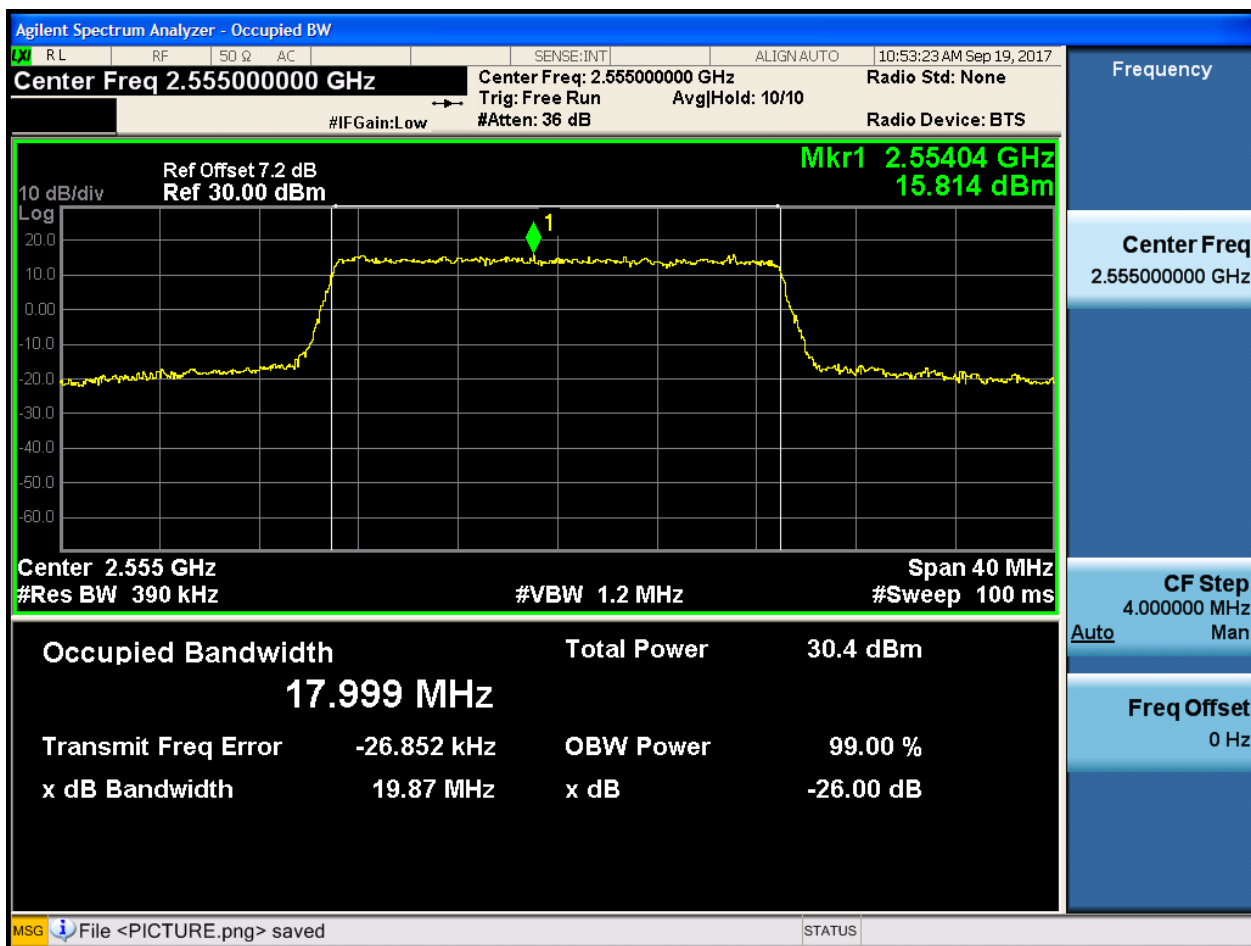




1.1.1.2.4 Test Bandwidth = 20

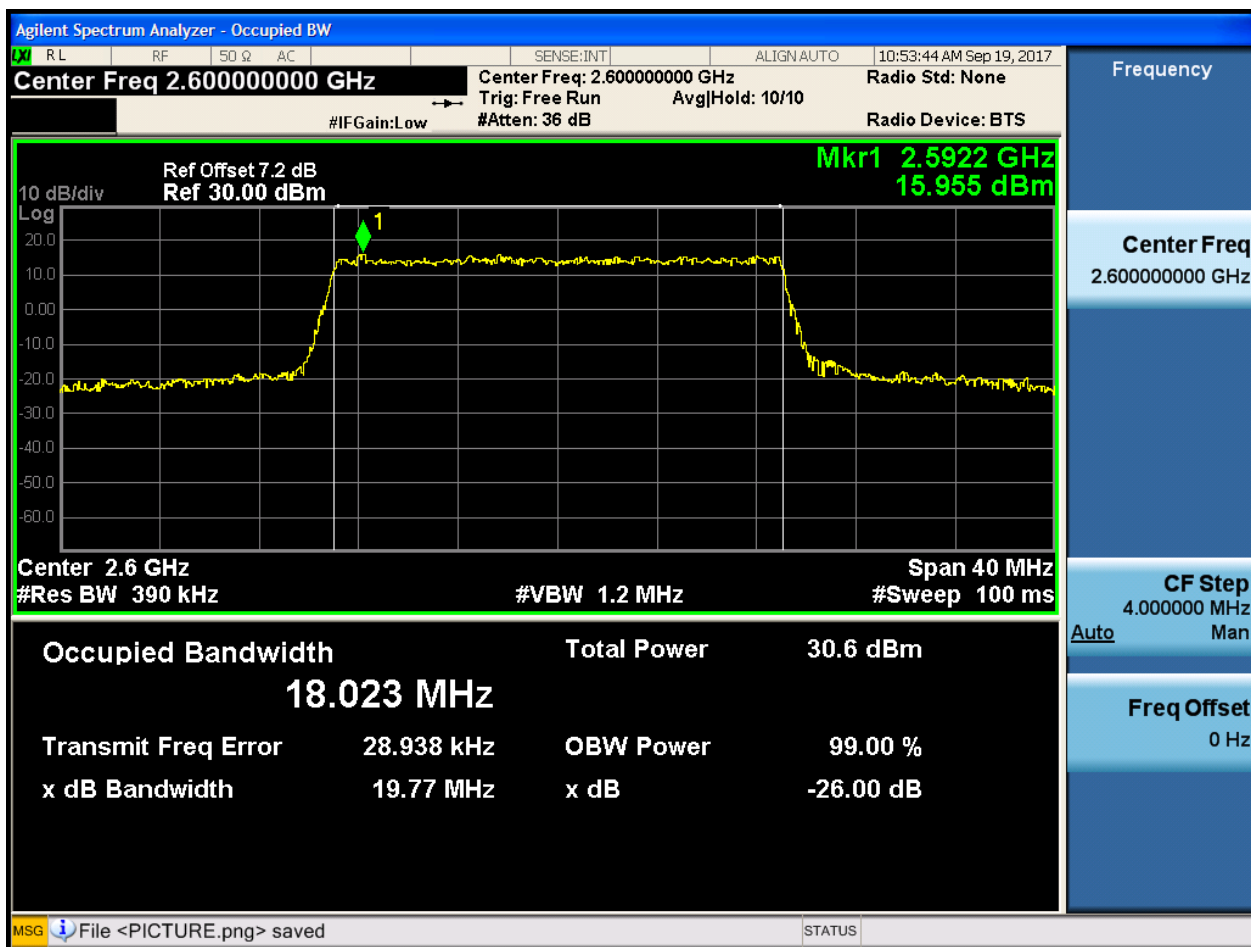
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB100#0



4.1.1.2.4.2 Test Channel = MCH

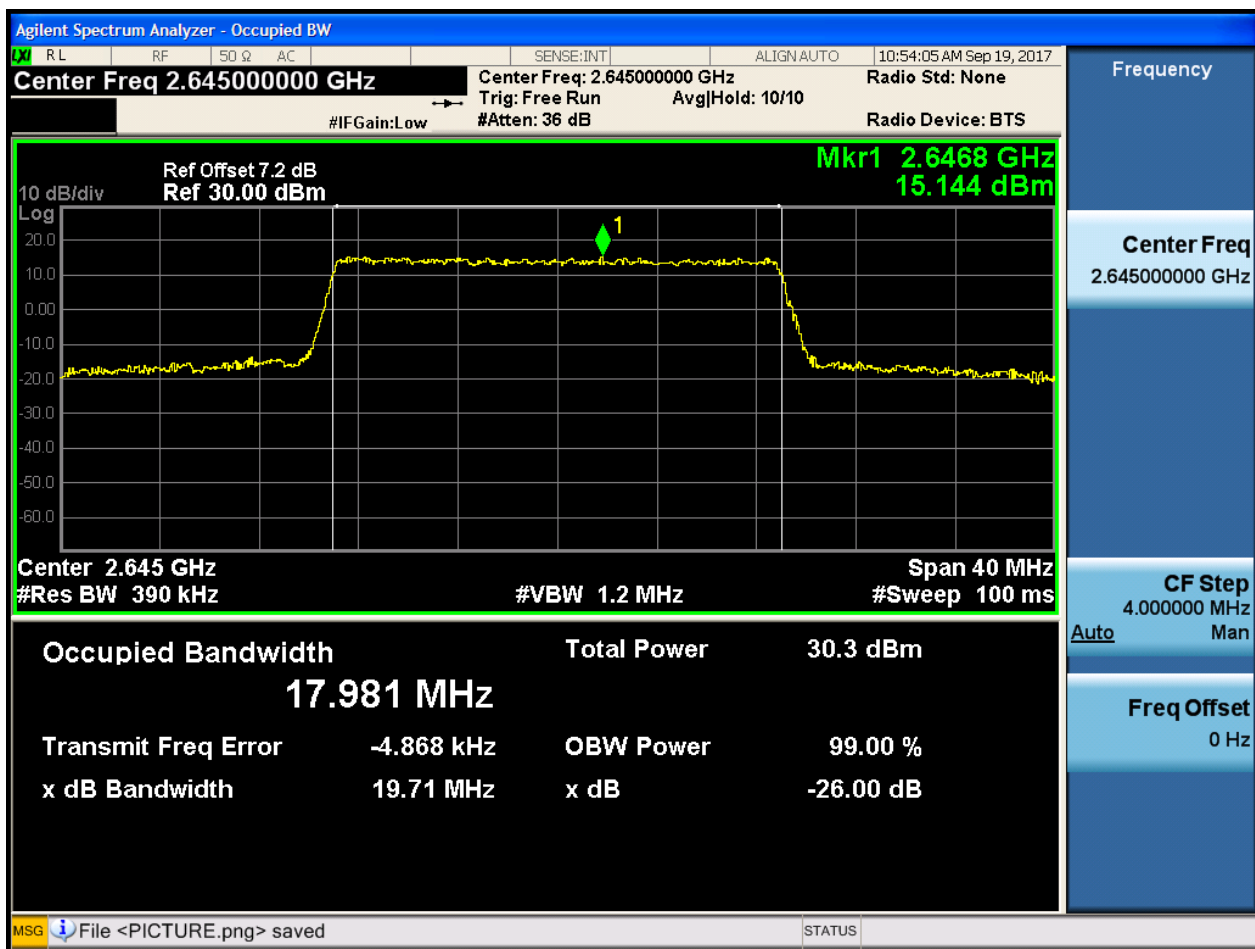
4.1.1.2.4.2.1 Test RB = RB100#0





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

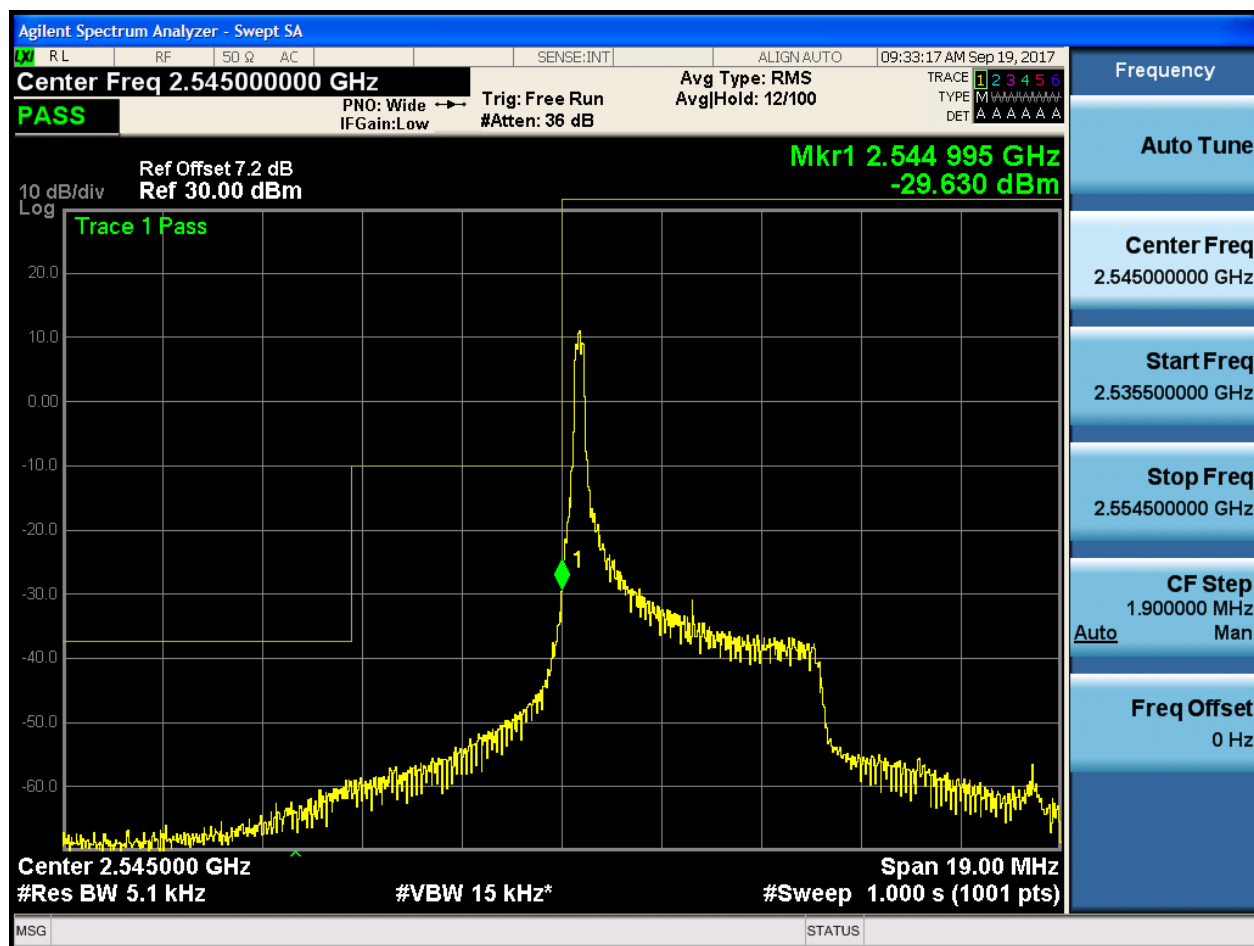
5.1.1 Test Band = BAND41

5.1.1.1 Test Mode = LTE/TM1

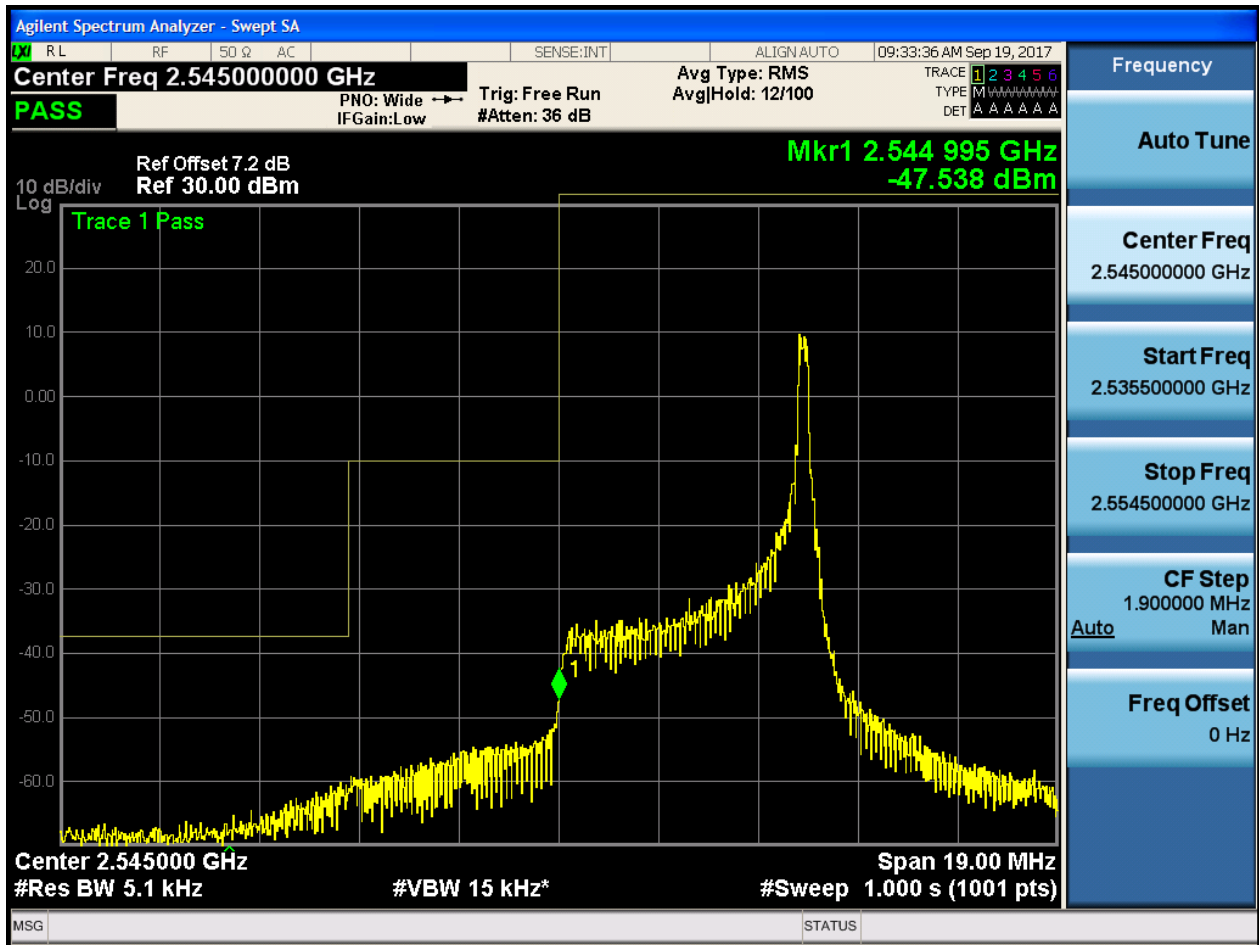
5.1.1.1.1 Test Bandwidth = 5

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



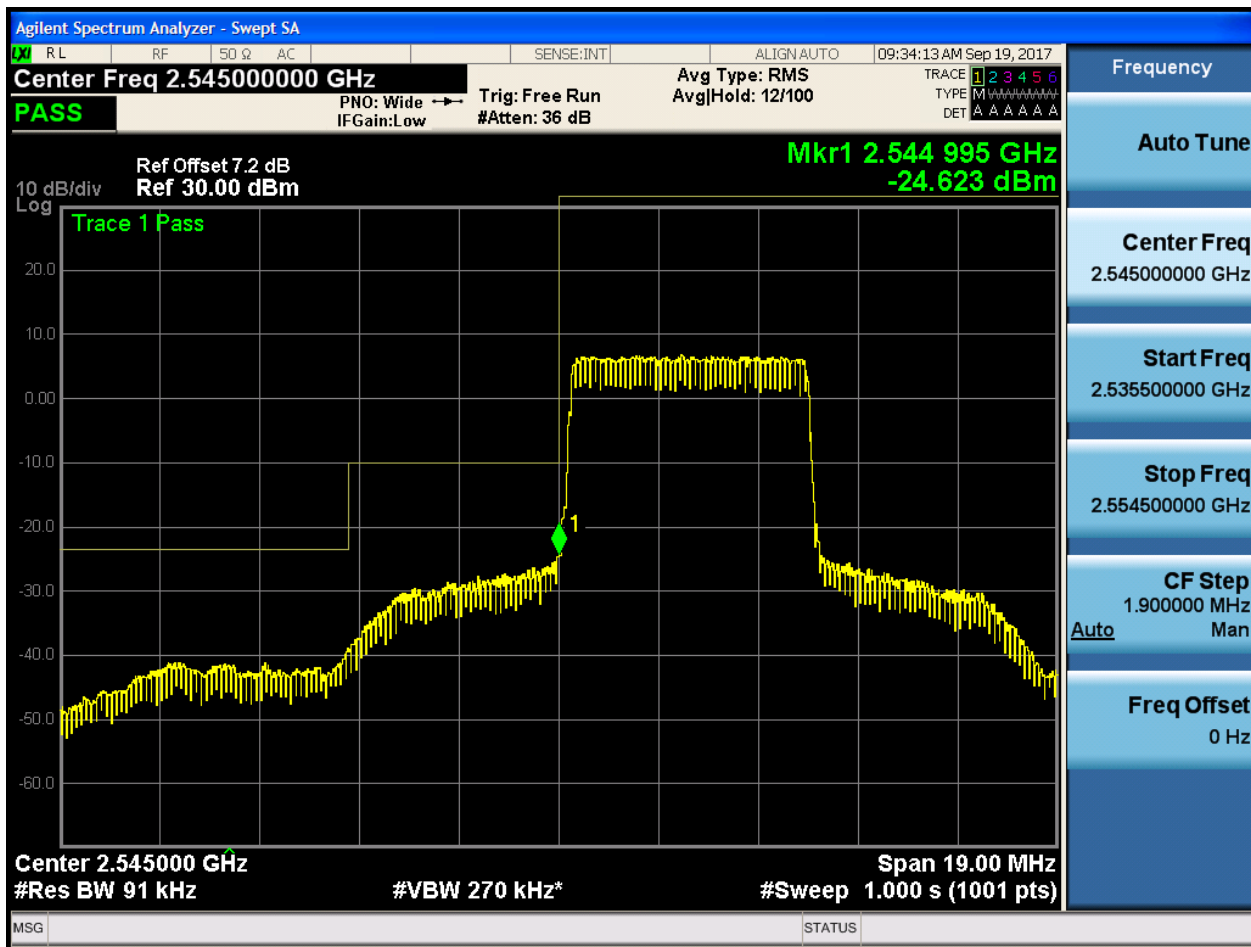


5.1.1.1.1.3 Test RB = RB12#6



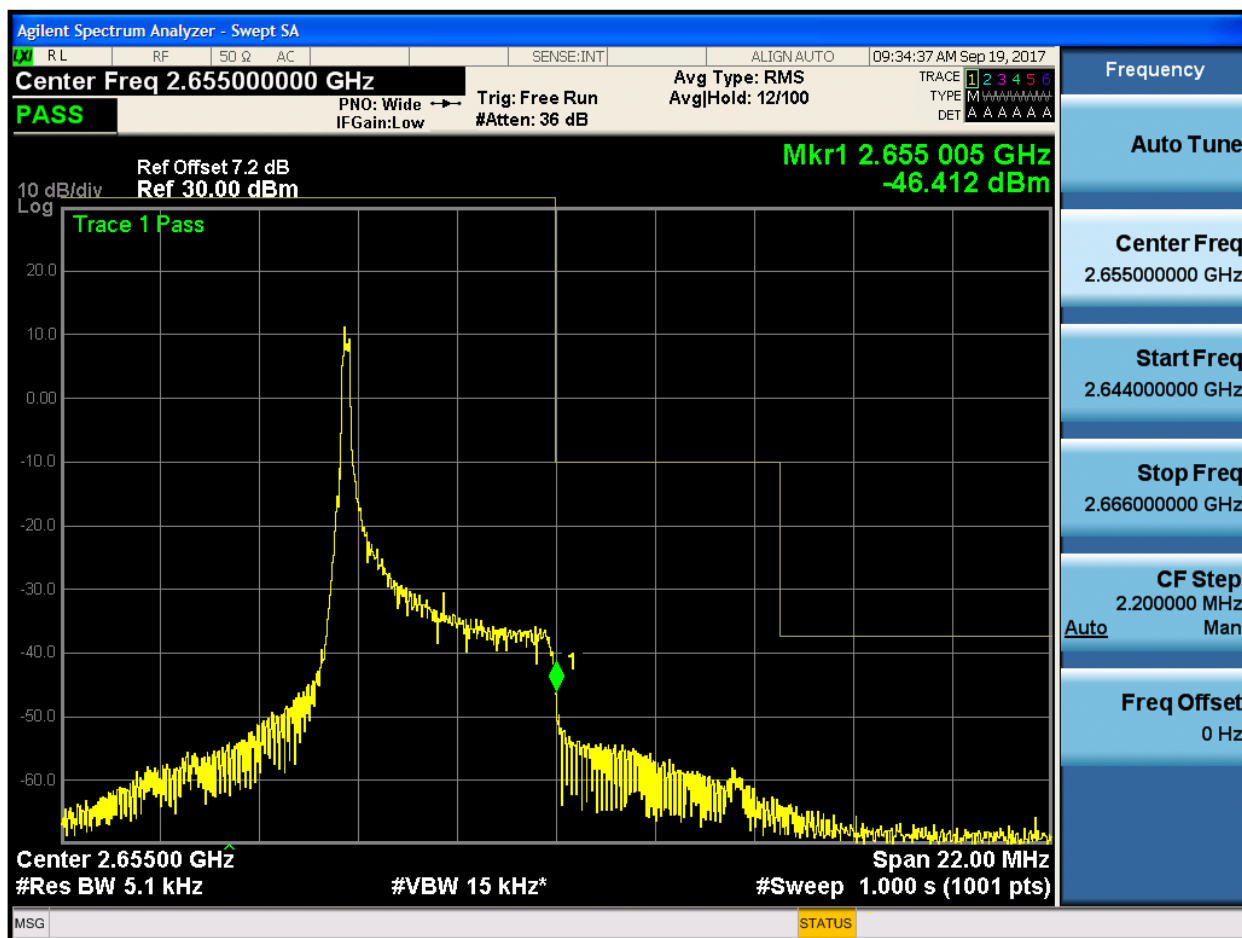


5.1.1.1.1.4 Test RB = RB25#0



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





5.1.1.1.1.2.3 Test RB = RB12#6





5.1.1.1.2.4 Test RB = RB25#0

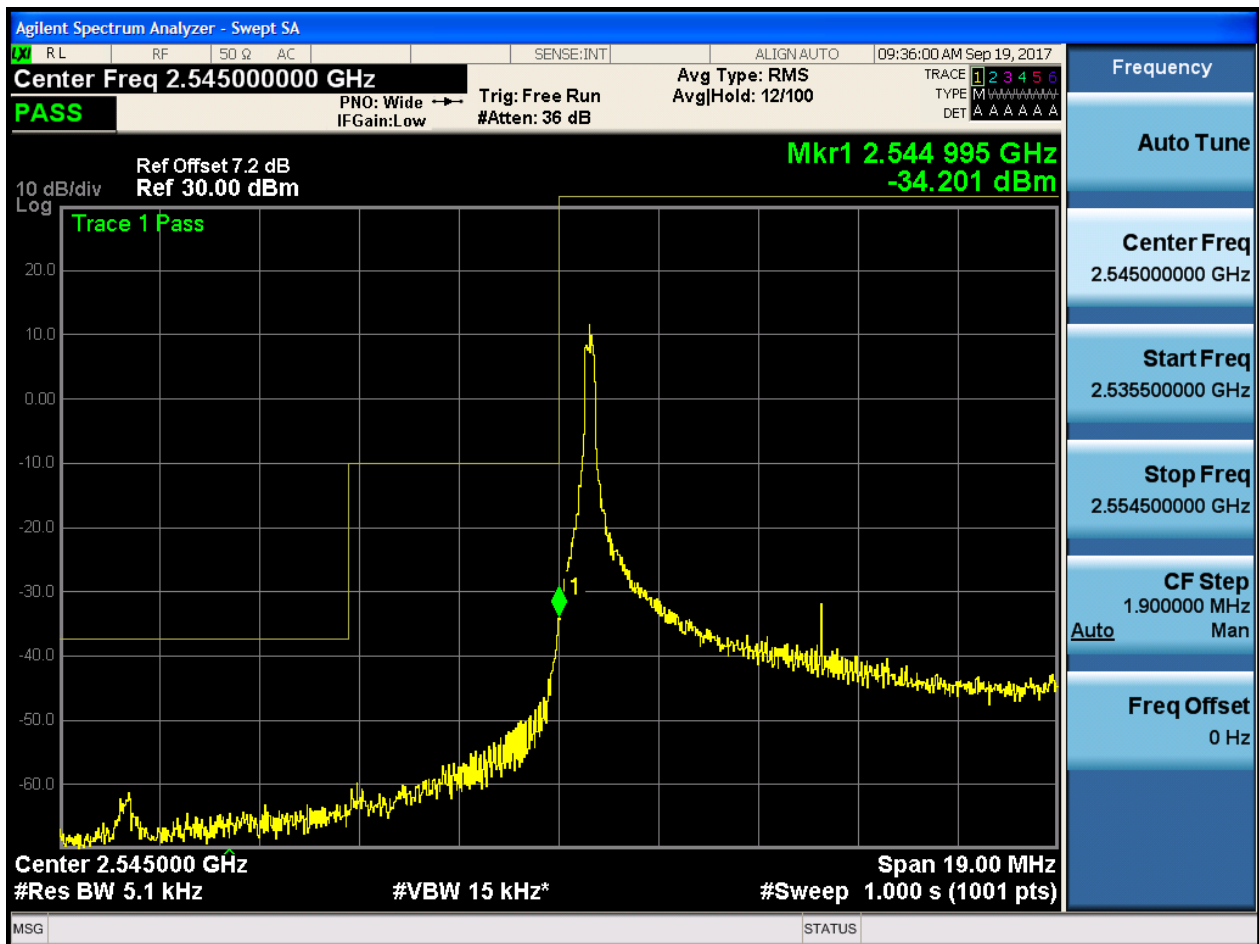




5.1.1.1.2 Test Bandwidth = 10

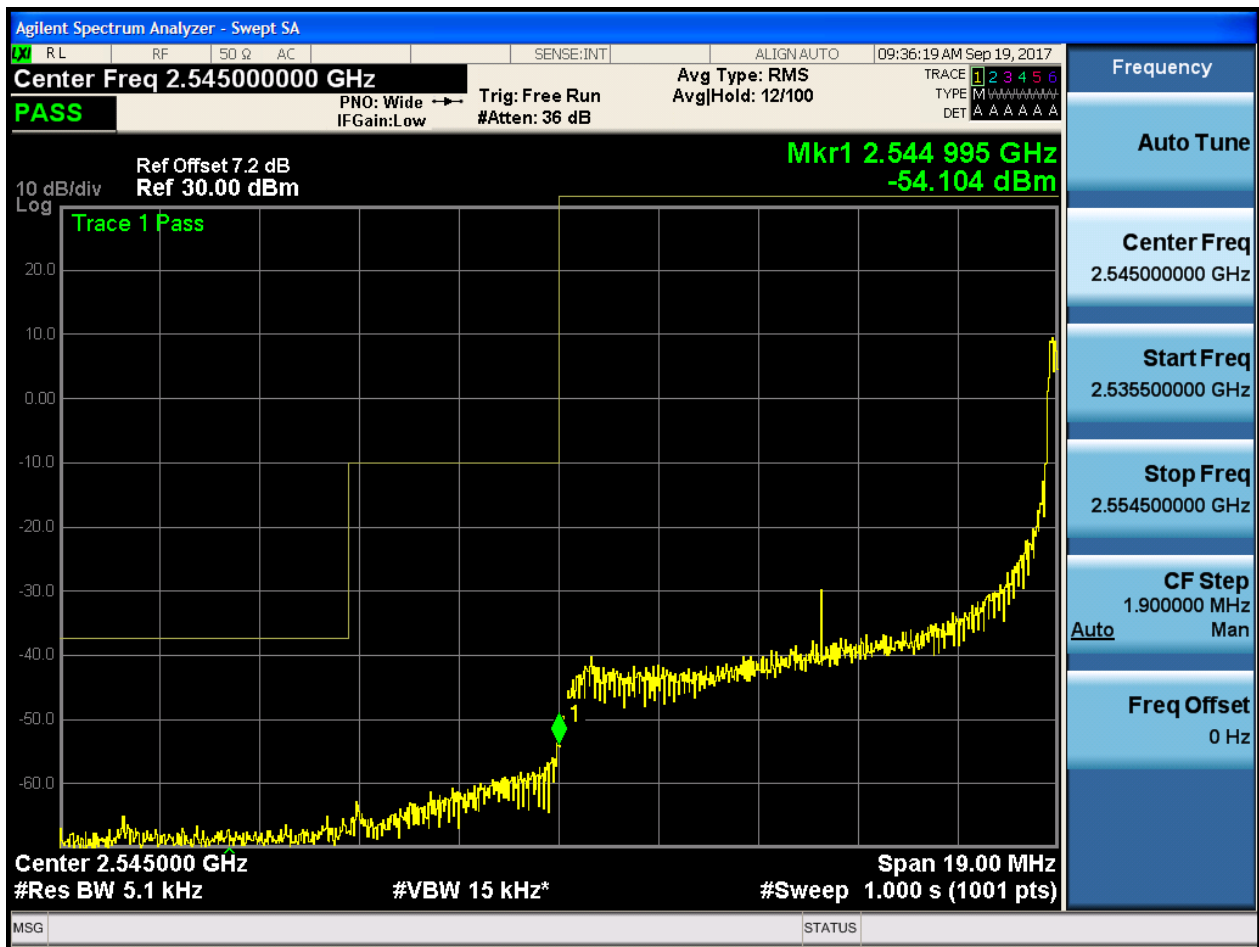
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#49



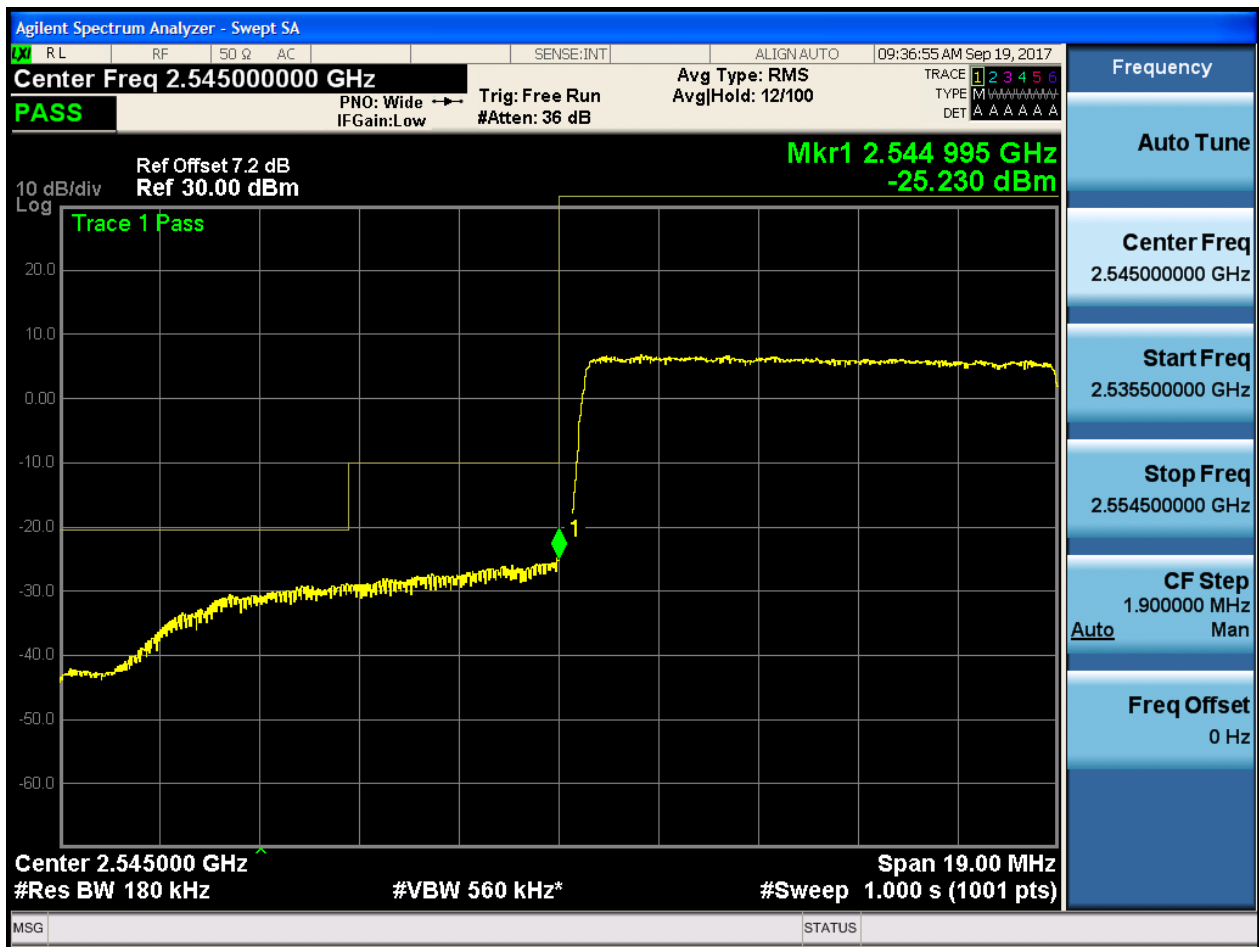


5.1.1.1.2.1.3 Test RB = RB25#13



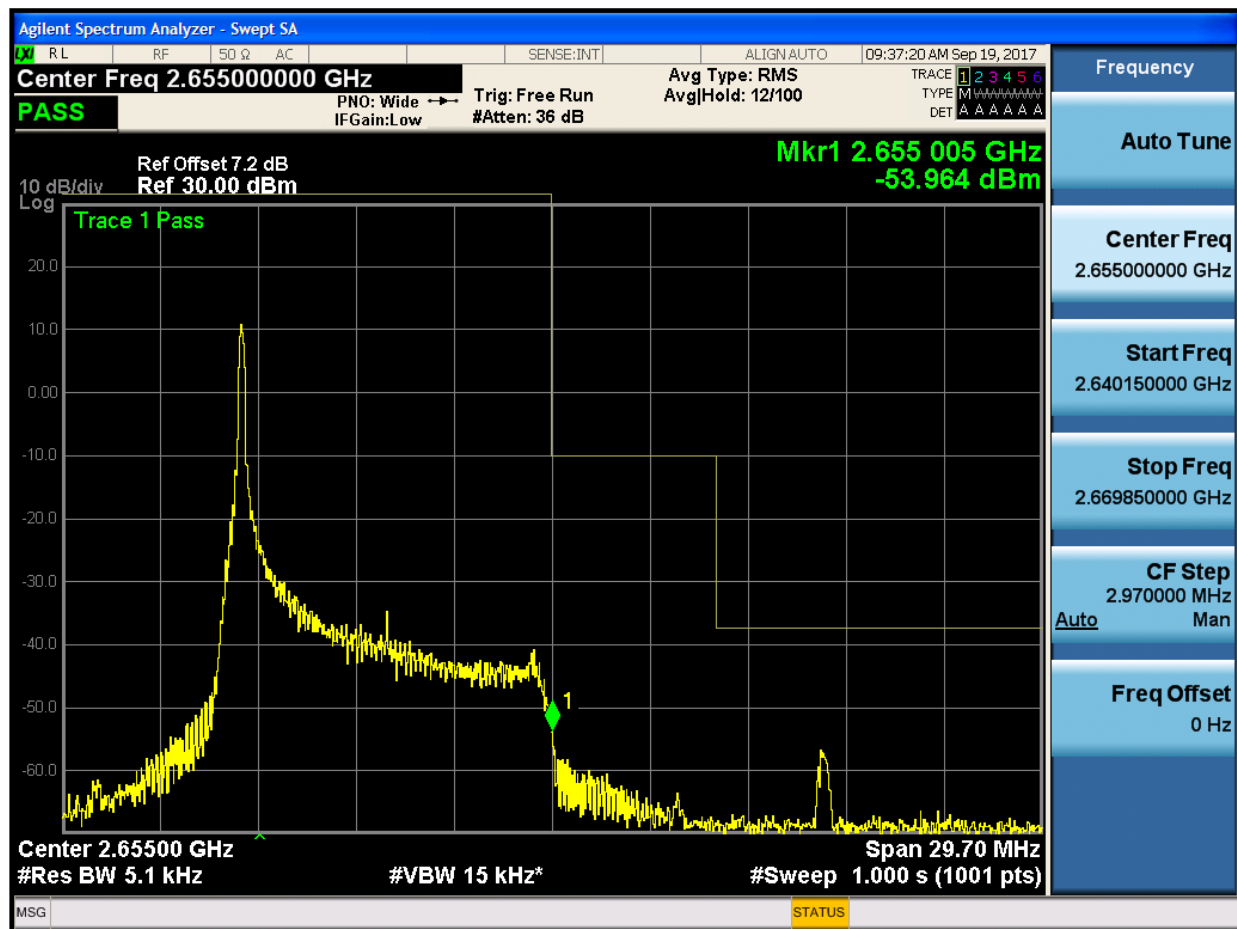


5.1.1.1.2.1.4 Test RB = RB50#0



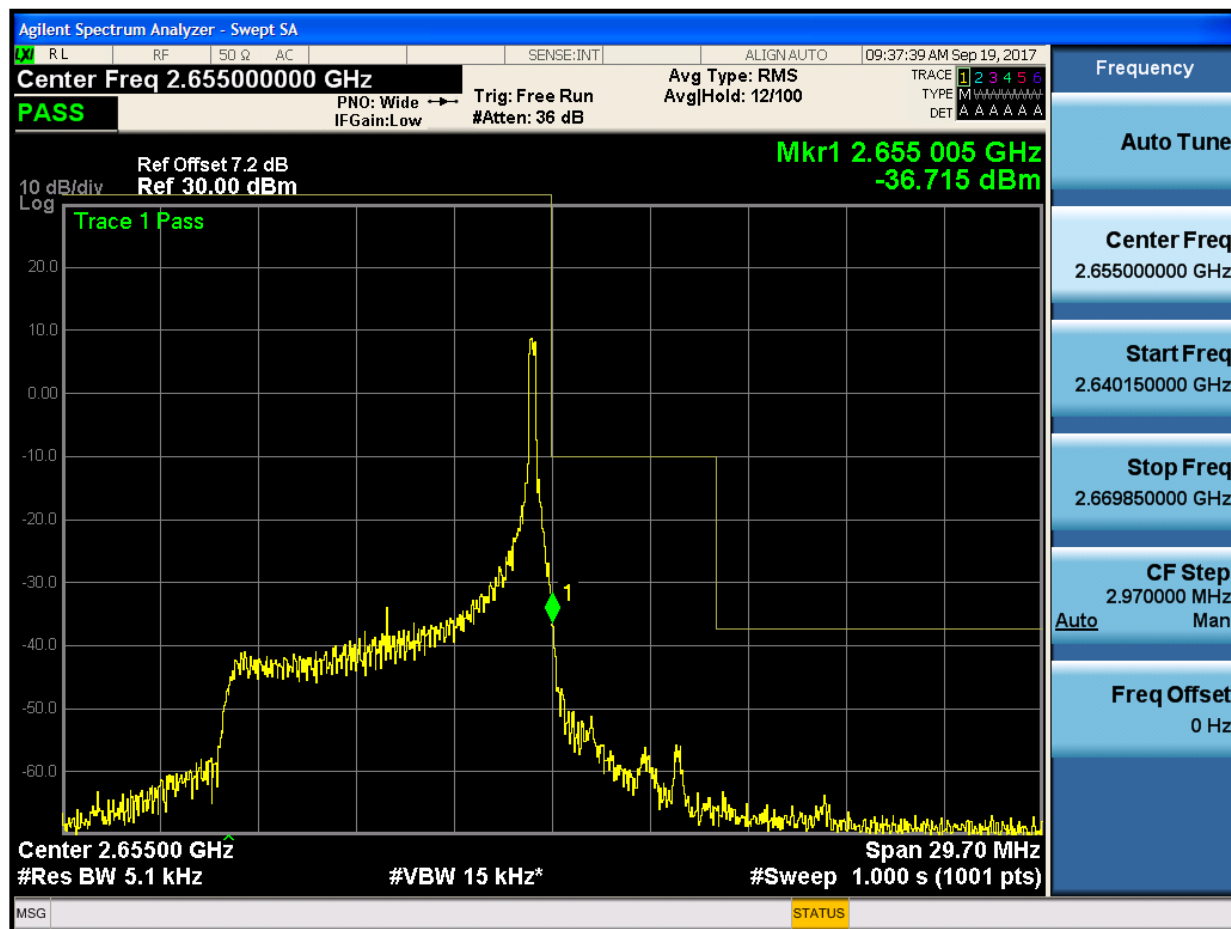
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#49



5.1.1.1.2.2.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:38:16 AM Sep 19, 2017

Center Freq 2.655000000 GHz Avg Type: RMS
#Res BW 180 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 W W W W W W W
DET A A A A A A

Ref Offset 7.2 dB
Ref 30.00 dBm

Mkr1 2.655 005 GHz
-23.972 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.65500 GHz
#Res BW 180 kHz #VBW 560 kHz* Span 29.70 MHz

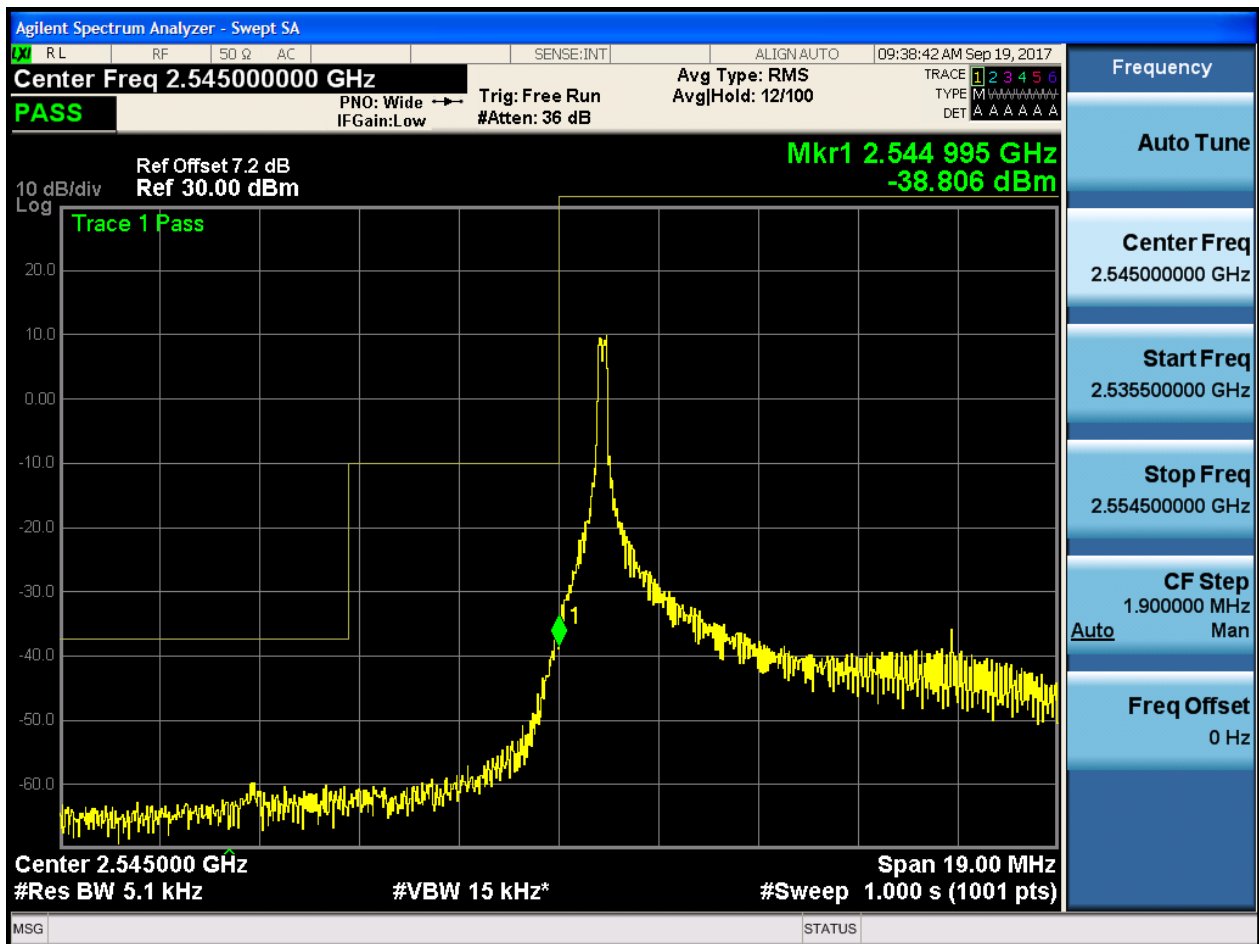
MSG STATUS



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 09:39:01 AM Sep 19, 2017

Center Freq 2.545000000 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 7.2 dB
Ref 30.00 dBm

Mkr1 2.544 995 GHz
-55.981 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.545000 GHz
#Res BW 5.1 kHz #VBW 15 kHz* Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



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 09:39:38 AM Sep 19, 2017

Center Freq 2.545000000 GHz Avg Type: RMS Trg: Free Run
#Res BW 270 kHz IF Gain: Low #Atten: 36 dB

PASS PNO: Wide Mkr1 2.544 995 GHz
-23.580 dBm

10 dB/div Ref Offset 7.2 dB
Log Ref 30.00 dBm

Trace 1 Pass

Center 2.545000 GHz Span 19.00 MHz
#Res BW 270 kHz #VBW 820 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.545000000 GHz

Start Freq
2.535500000 GHz

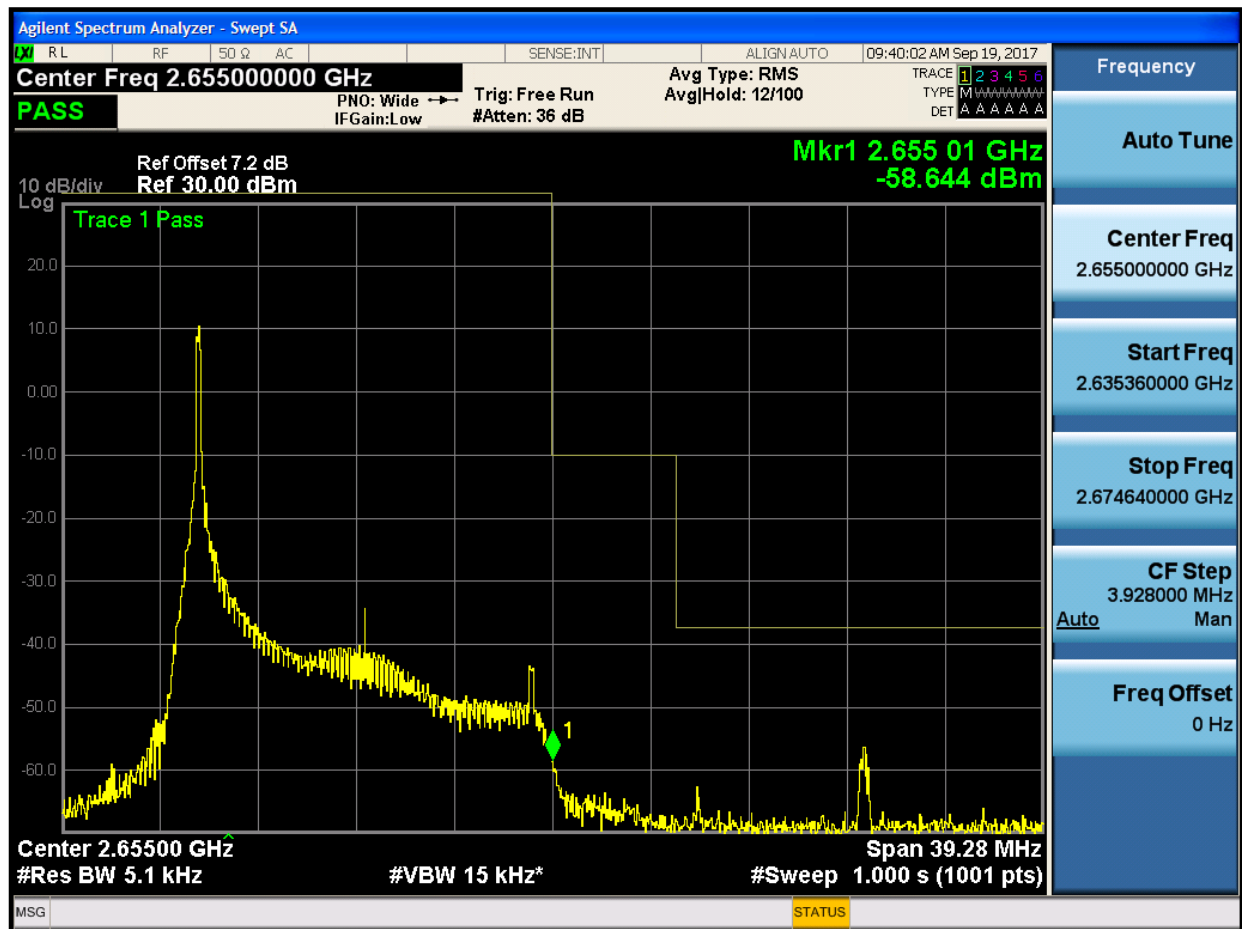
Stop Freq
2.554500000 GHz

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:40:58 AM Sep 19, 2017

Center Freq 2.65500000 GHz Avg Type: RMS
#Res BW 270 kHz IFGain:Low Trig: Free Run #Atten: 36 dB TYPE M DET A A A A A A

PASS Ref Offset 7.2 dB Ref 30.00 dBm

Mkr1 2.655 01 GHz -23.516 dBm

The spectrum analyzer displays a single trace labeled "Trace 1 Pass". The horizontal axis represents frequency from 2.635 GHz to 2.675 GHz, and the vertical axis represents power level from -60 dBm to 20 dBm. A sharp signal peak is visible at approximately 2.655 GHz, reaching a power level of about -23.5 dBm. The signal has a bandwidth of approximately 39.28 MHz. The reference level is set to 30.00 dBm.

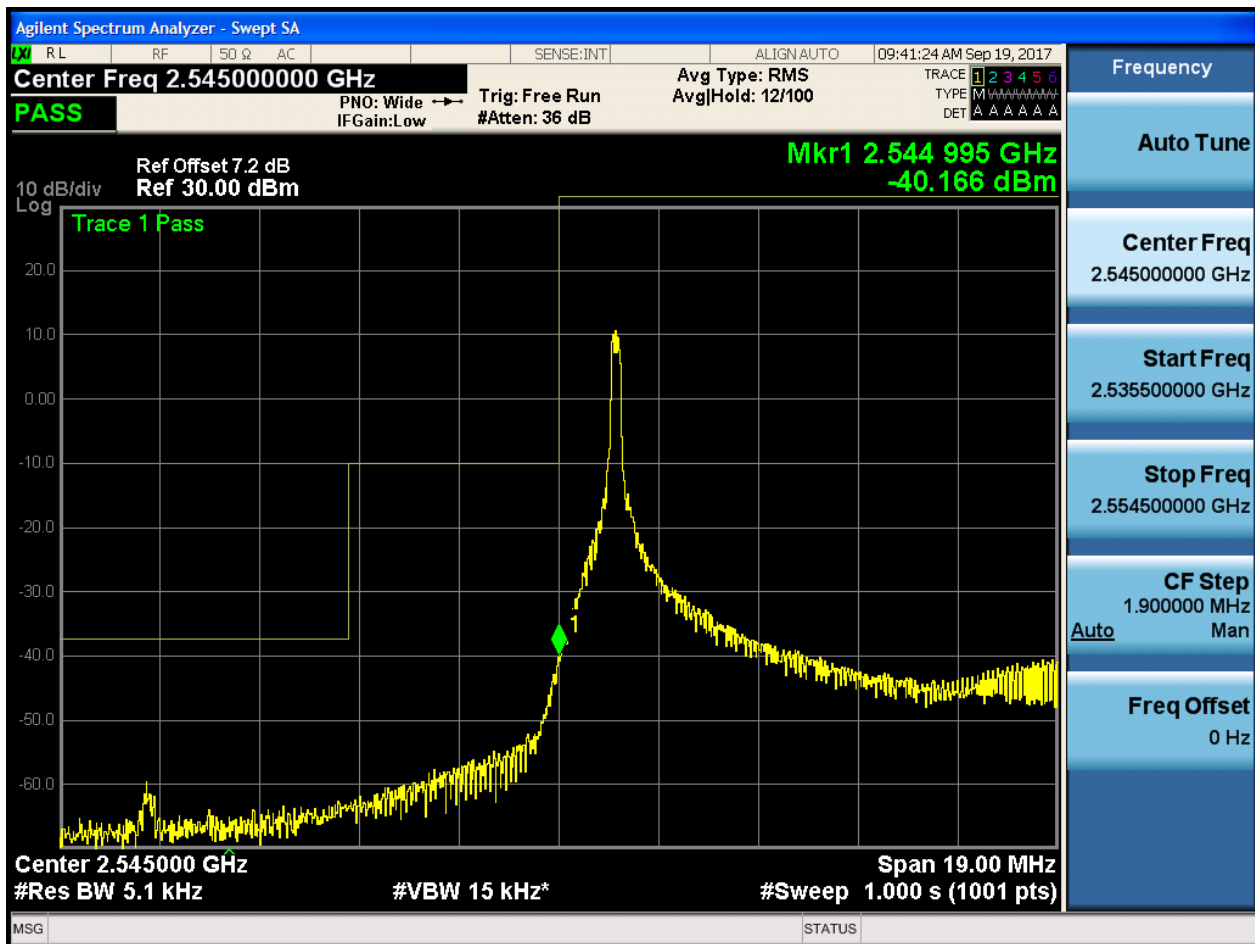
Parameter	Value
Frequency	2.65500000 GHz
Auto Tune	Yes
Center Freq	2.65500000 GHz
Start Freq	2.635360000 GHz
Stop Freq	2.674640000 GHz
CF Step	3.928000 MHz
Freq Offset	0 Hz
Span	39.28 MHz
#Sweep	1.000 s (1001 pts)
#VBW	820 kHz*
Ref Level	30.00 dBm
Signal Power	-23.516 dBm



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 2.54500000 GHz

PASS

Ref Offset 7.2 dB
Ref 30.00 dBm

Mkr1 2.544 995 GHz
-58.225 dBm

The spectrum analyzer displays a noisy signal centered around 2.545 GHz. The frequency axis ranges from 2.535 GHz to 2.555 GHz. The power level is approximately -58 dBm. The trace is labeled 'Trace 1 Pass'.

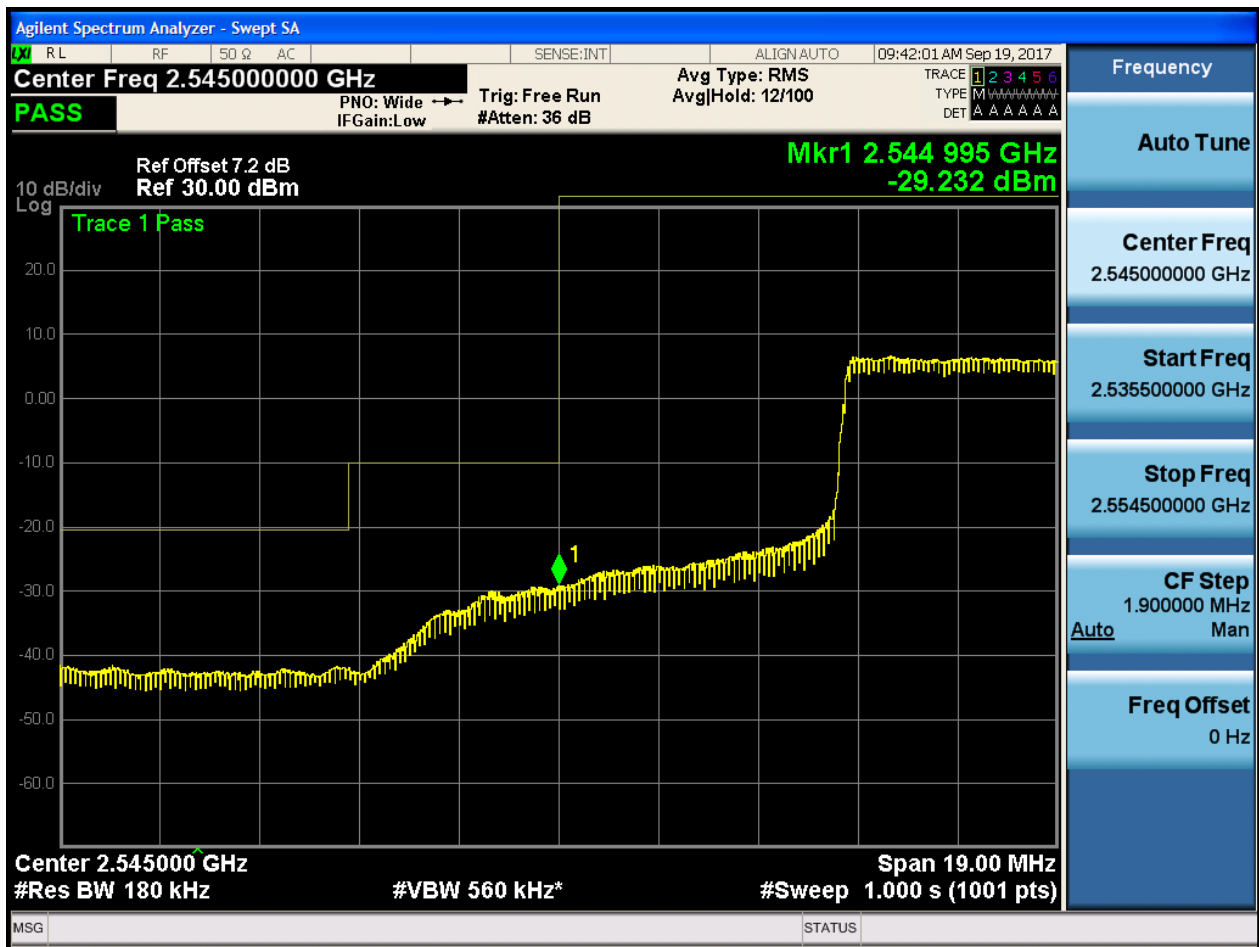
Center 2.545000 GHz
#Res BW 5.1 kHz
#VBW 15 kHz*

Span 19.00 MHz
#Sweep 1.000 s (1001 pts)

Frequency
Auto Tune
Center Freq 2.54500000 GHz
Start Freq 2.535500000 GHz
Stop Freq 2.554500000 GHz
CF Step 1.900000 MHz <u>Auto</u> Man
Freq Offset 0 Hz

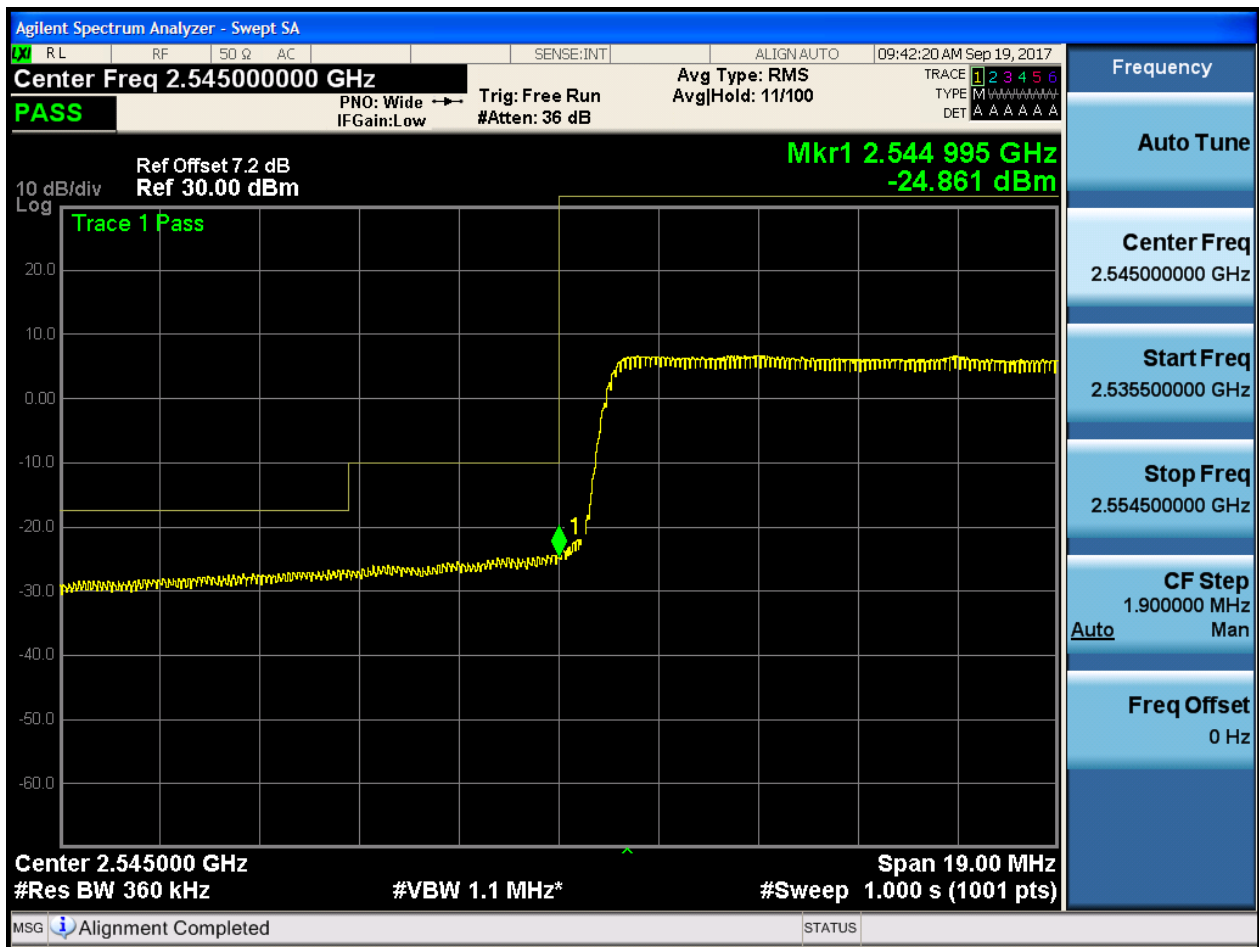


5.1.1.1.4.1.3 Test RB = RB50#25



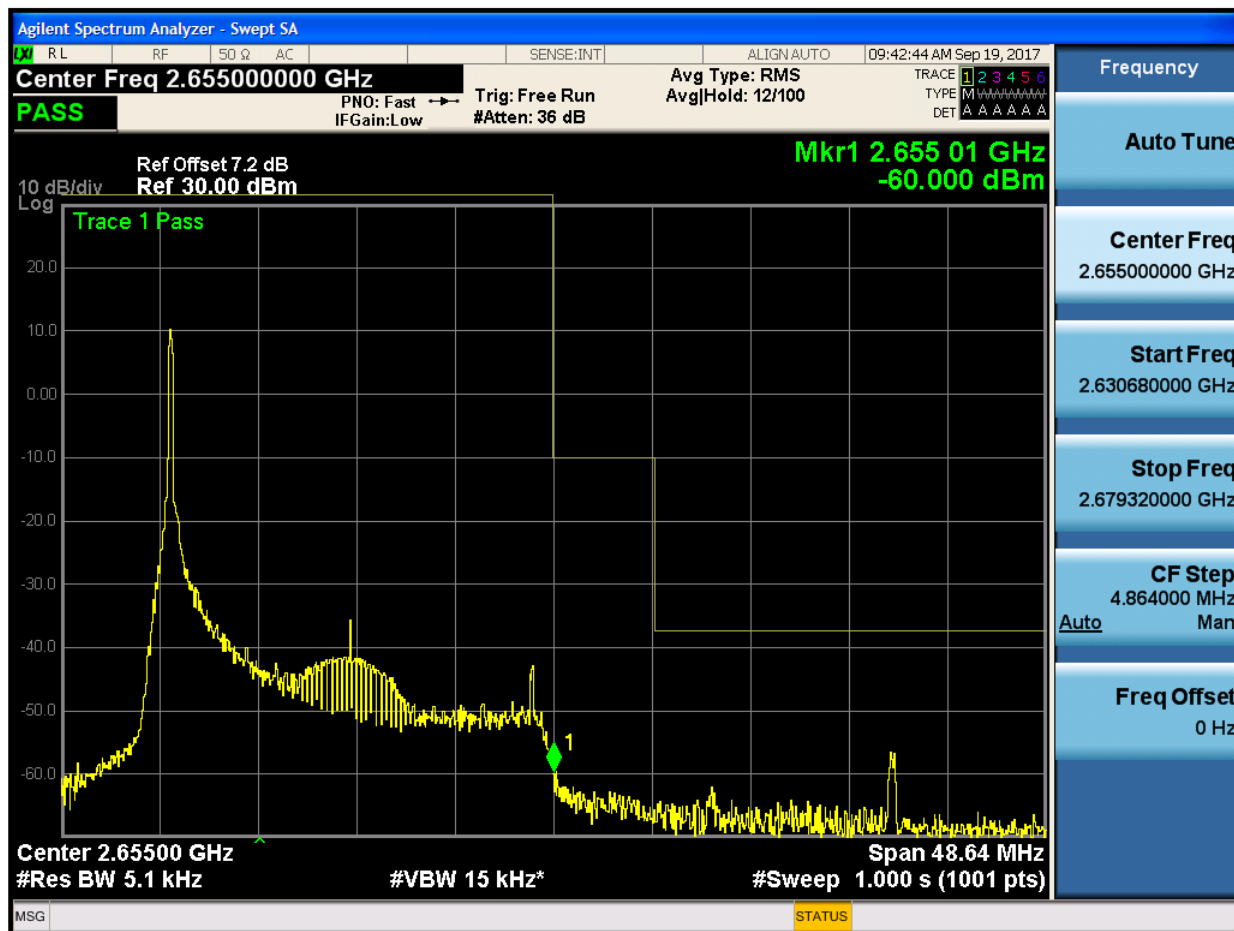


5.1.1.1.4.1.4 Test RB = RB100#0



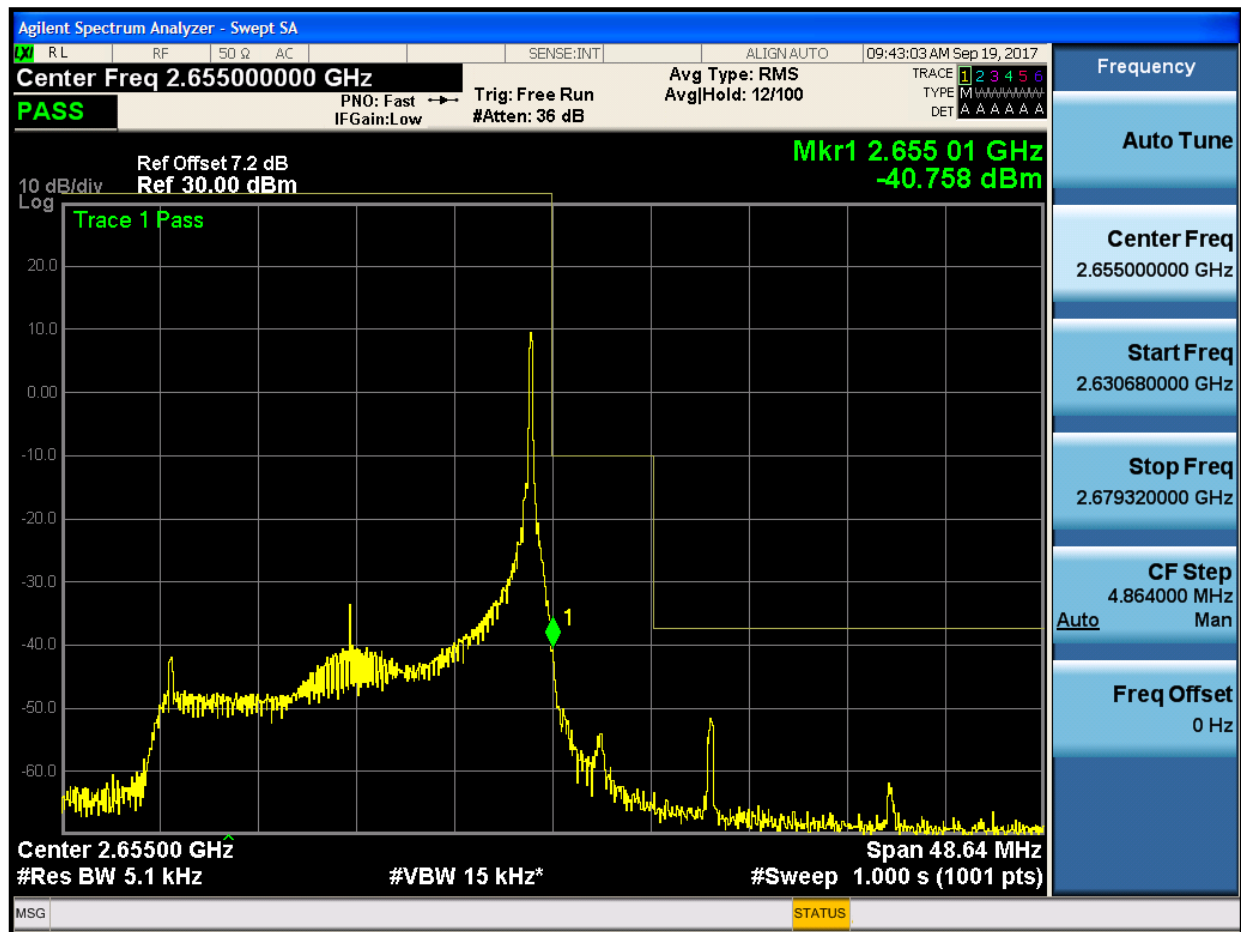
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#99





5.1.1.1.4.2.3 Test RB = RB50#25





5.1.1.1.4.2.4 Test RB = RB100#0

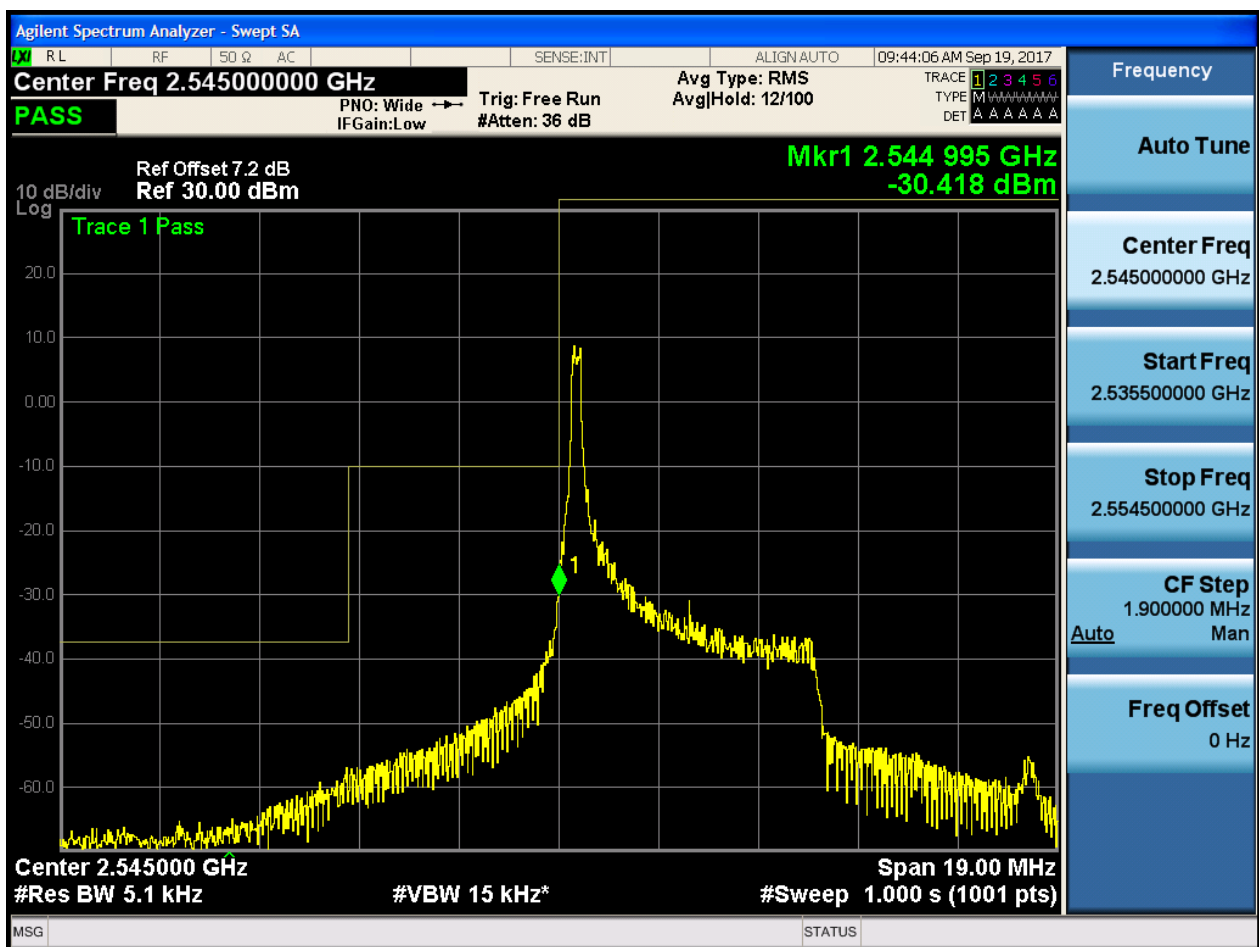


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:44:25 AM Sep 19, 2017

Center Freq 2.54500000 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 7.2 dB
Ref 30.00 dBm

Mkr1 2.544 995 GHz
-48.671 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.545000 GHz Span 19.00 MHz
#Res BW 5.1 kHz #VBW 15 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.54500000 GHz

Start Freq
2.535500000 GHz

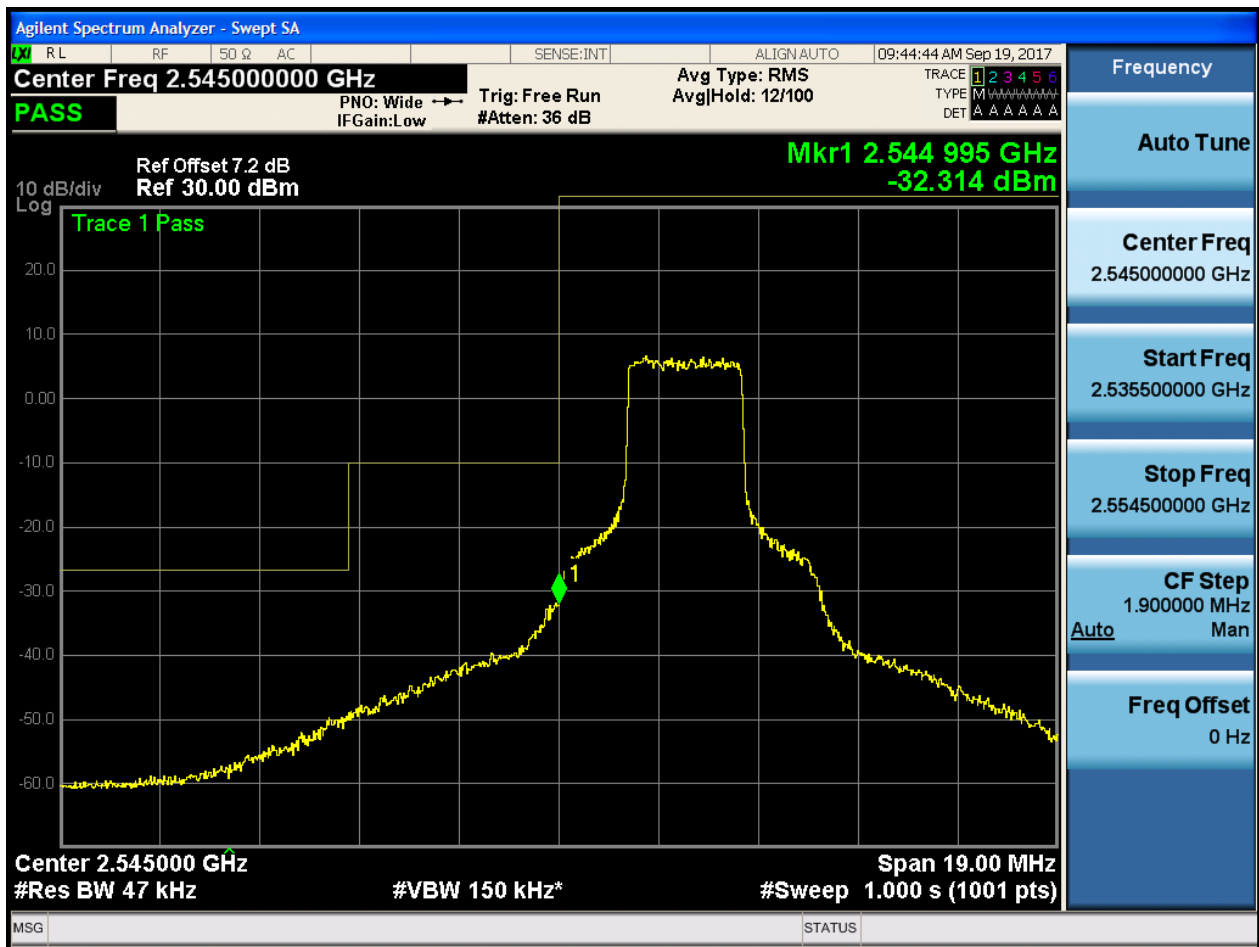
Stop Freq
2.554500000 GHz

CF Step
1.900000 MHz
Auto Man

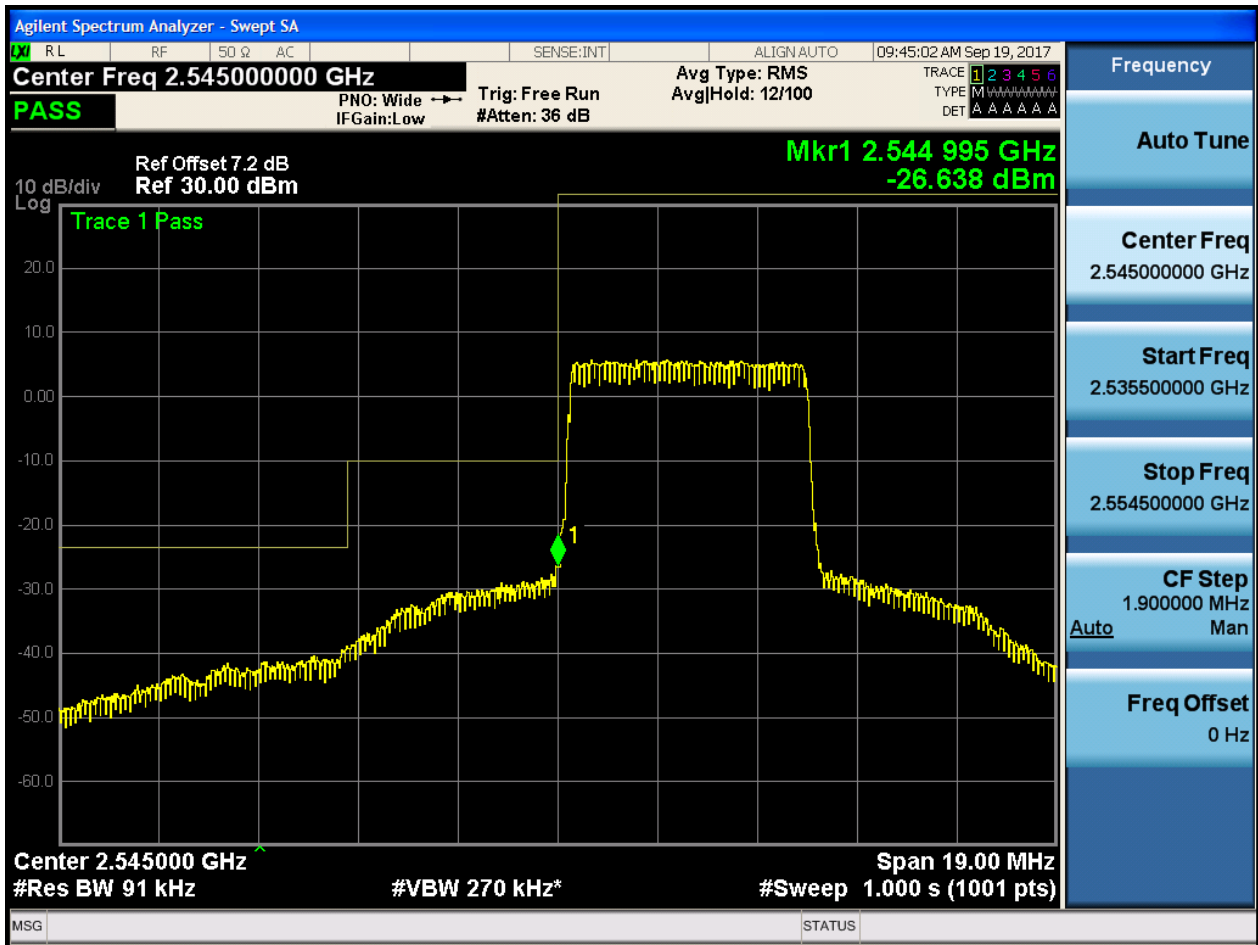
Freq Offset
0 Hz



5.1.1.2.1.1.3 Test RB = RB12#6

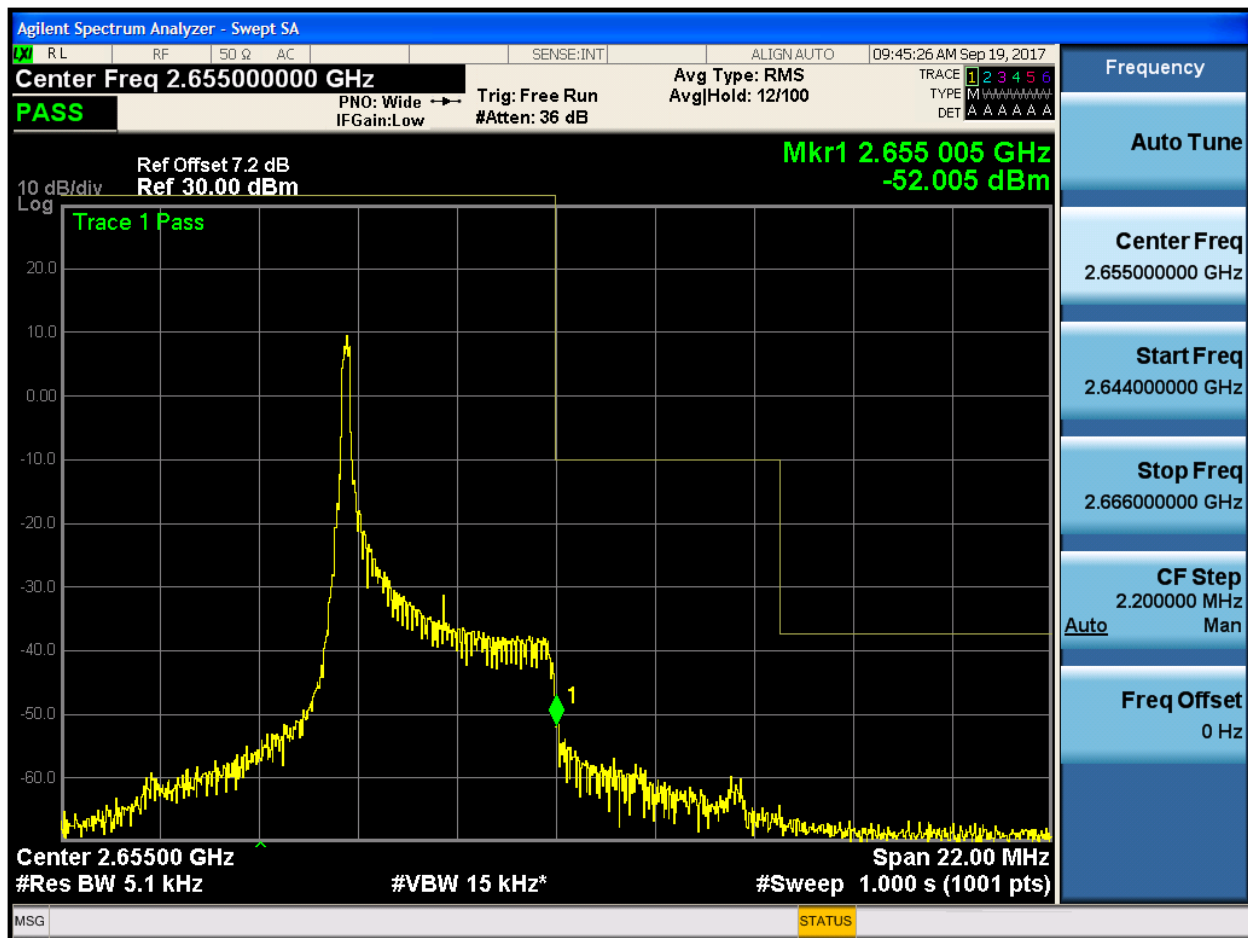


5.1.1.2.1.1.4 Test RB = RB25#0



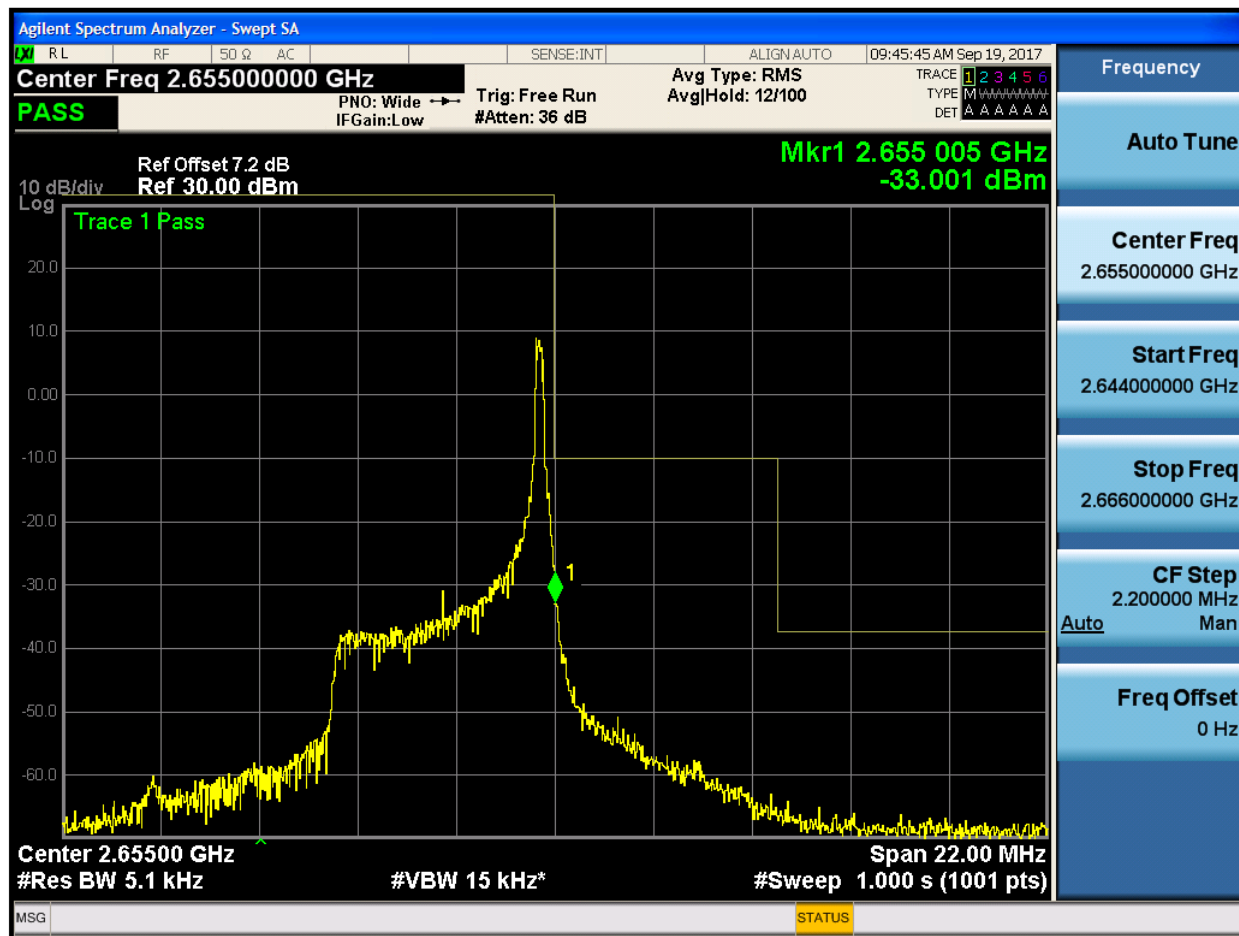
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



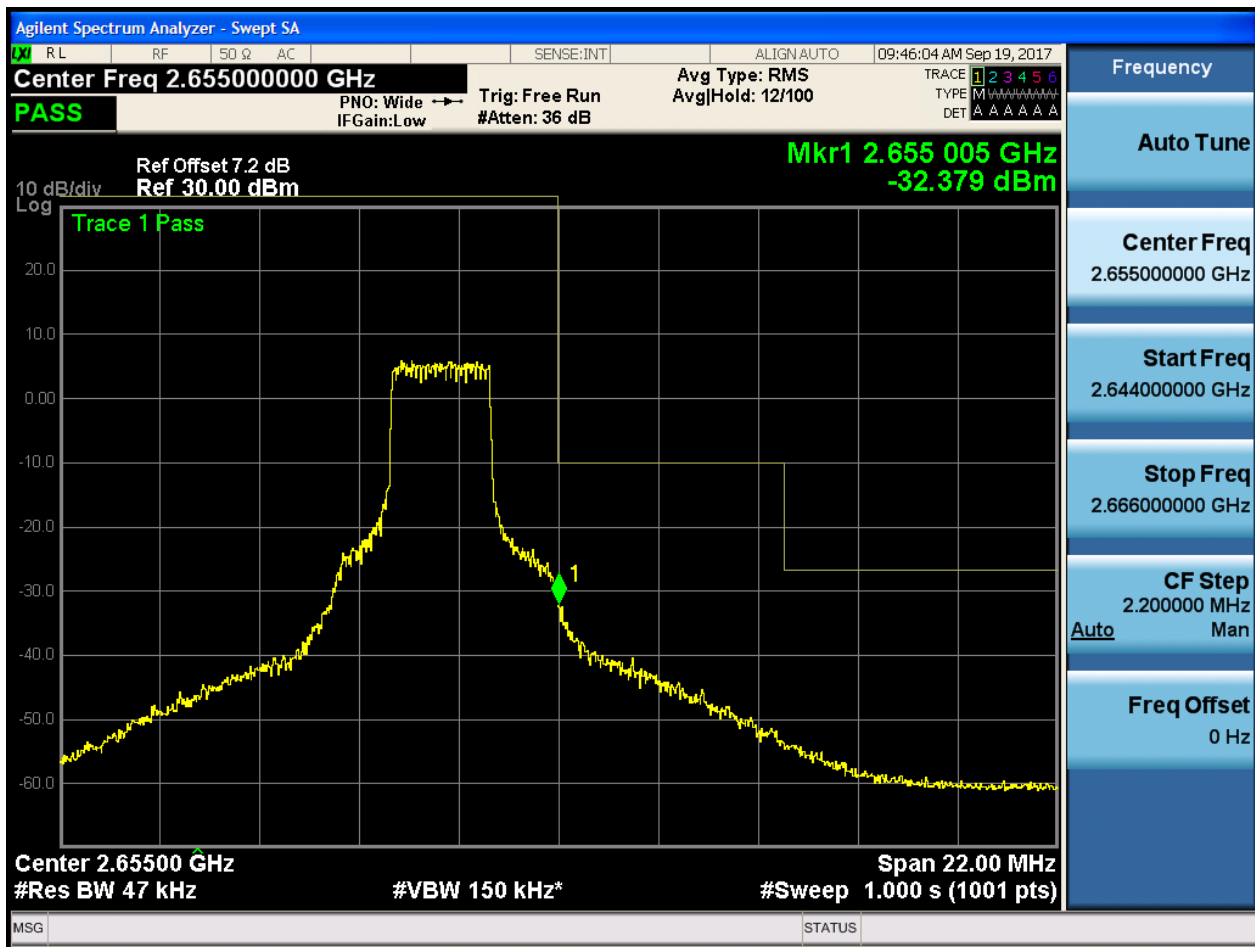


5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





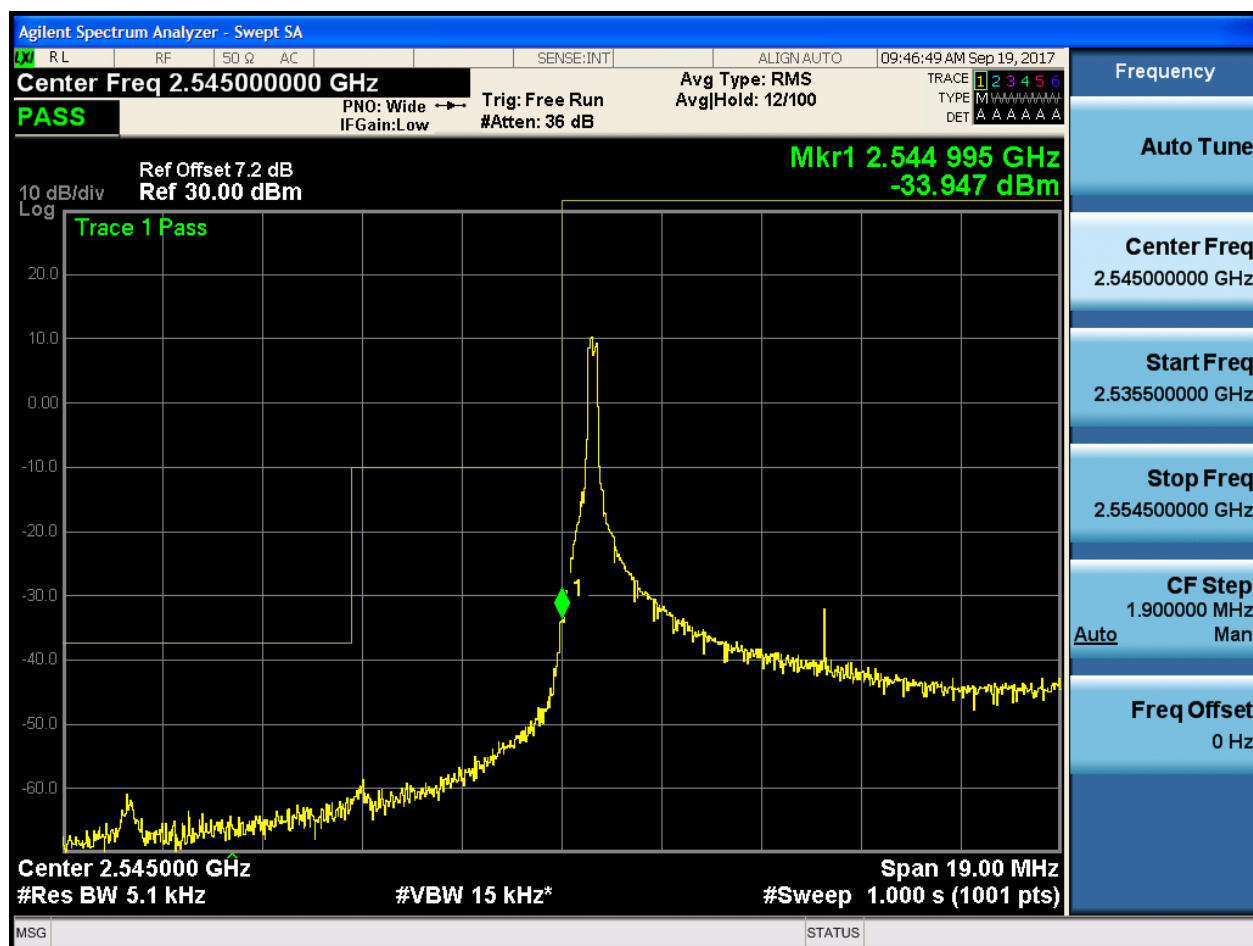
5.1.1.2.1.2.4 Test RB = RB25#0



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



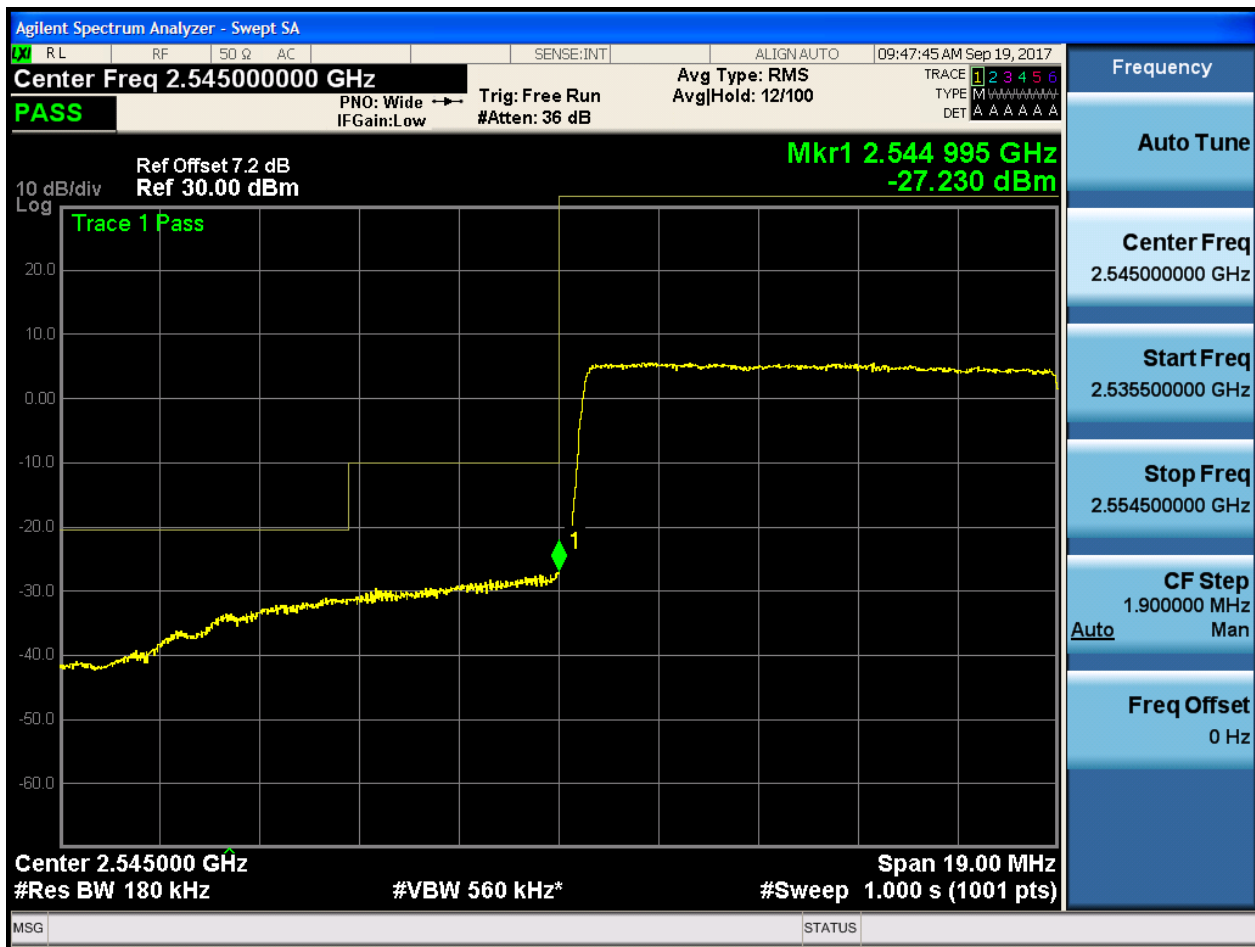


5.1.1.2.2.1.3 Test RB = RB25#13





5.1.1.2.2.1.4 Test RB = RB50#0



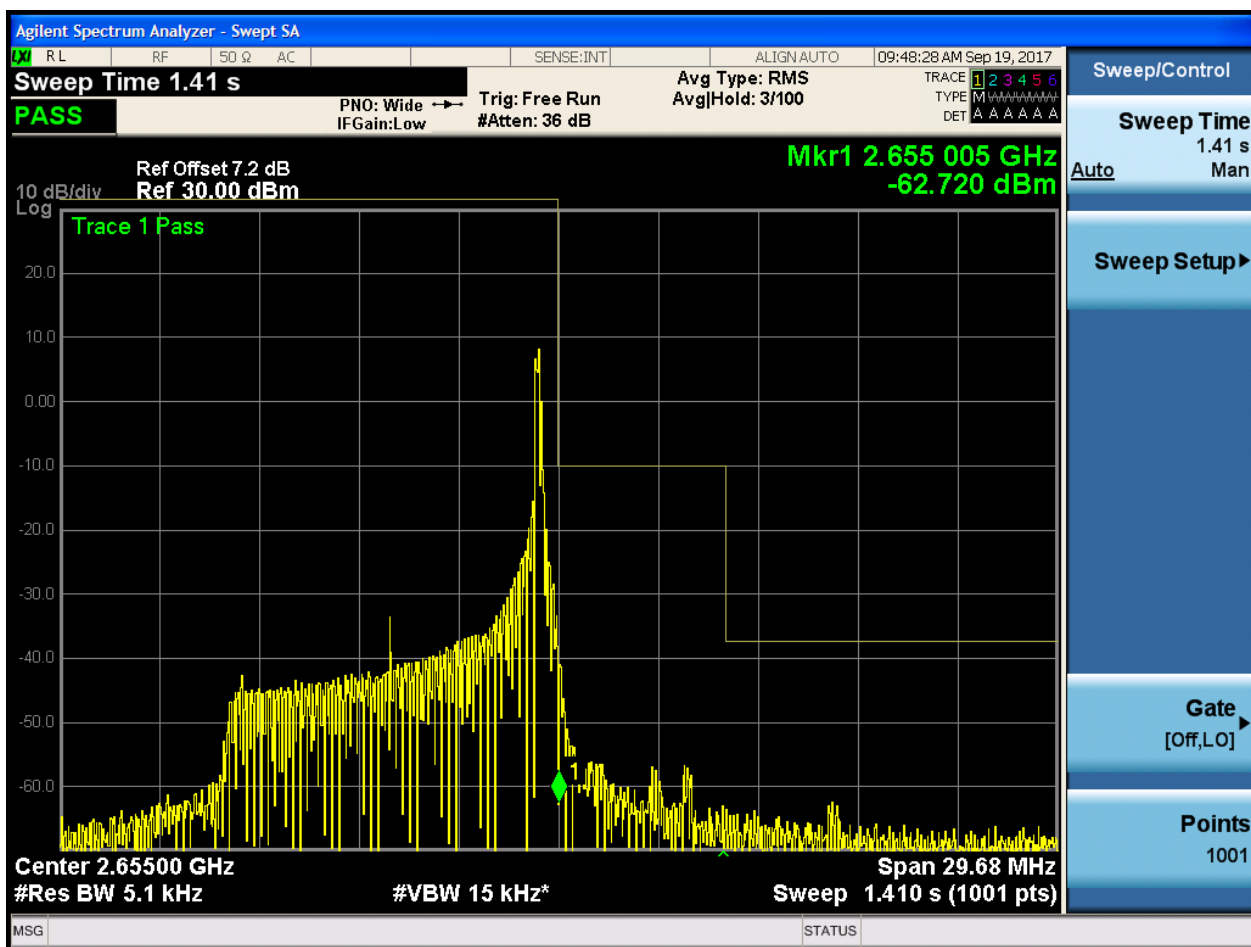
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



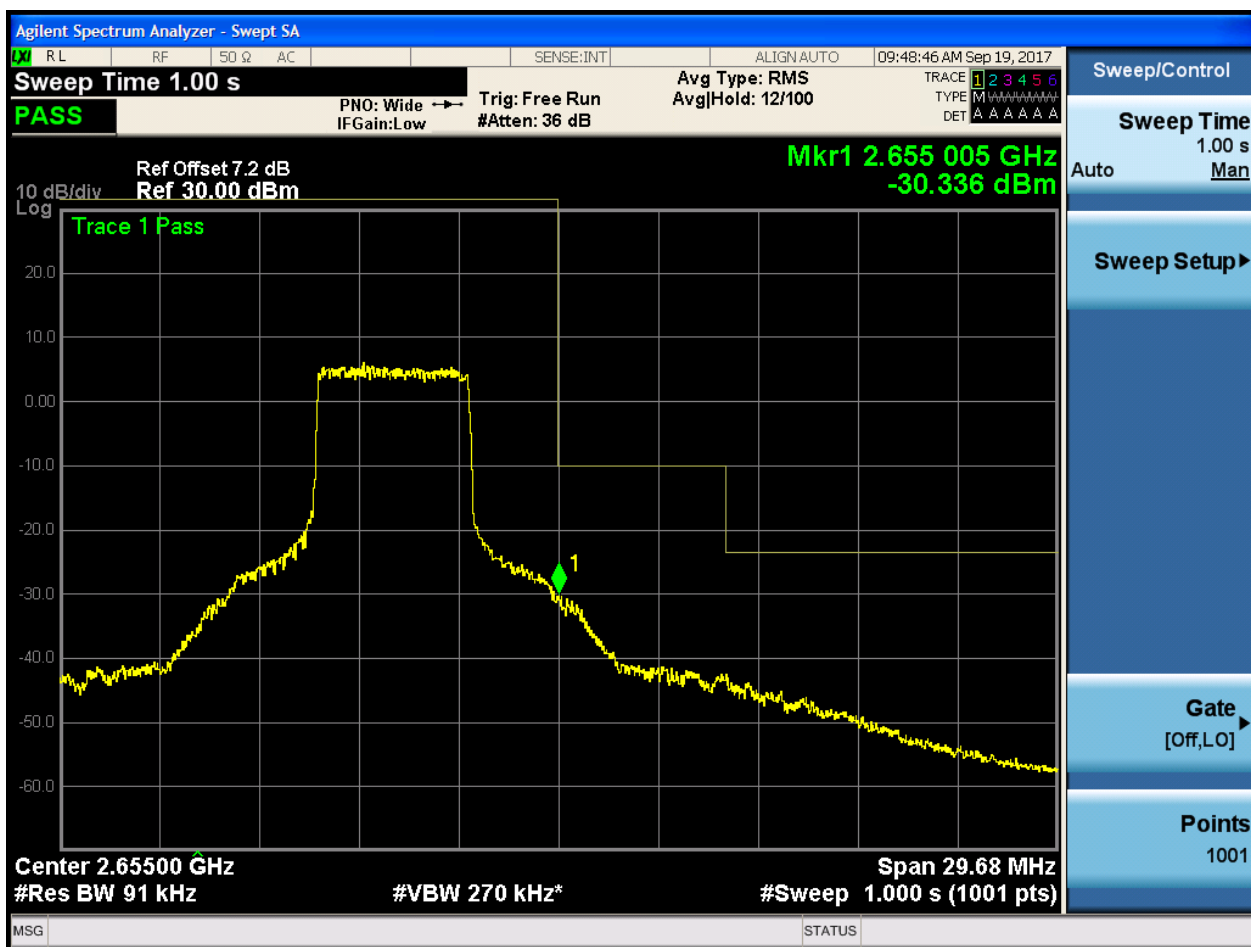


5.1.1.2.2.2 Test RB = RB1#49





5.1.1.2.2.3 Test RB = RB25#13





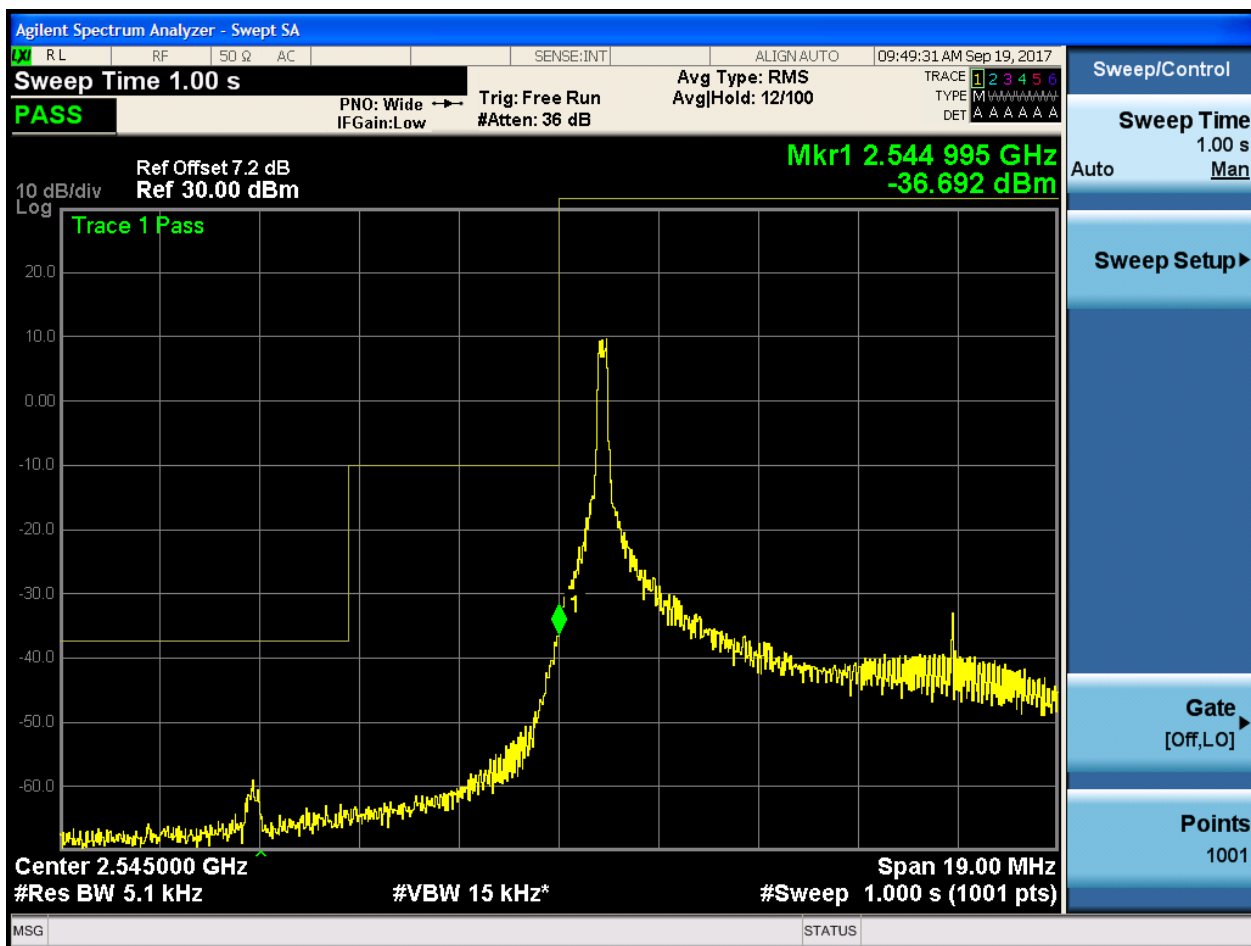
5.1.1.2.2.4 Test RB = RB50#0



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

