Appendix for test report

1 Appendix_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
			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
		10	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,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b, SGP=Signal Generator Level

Note2:

SET Span=1.5*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND7	LTE/TM1	5	LCH	RB1#0	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
			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
	LTE/TM2	5	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
			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
		15		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 Test RB = RB25#0
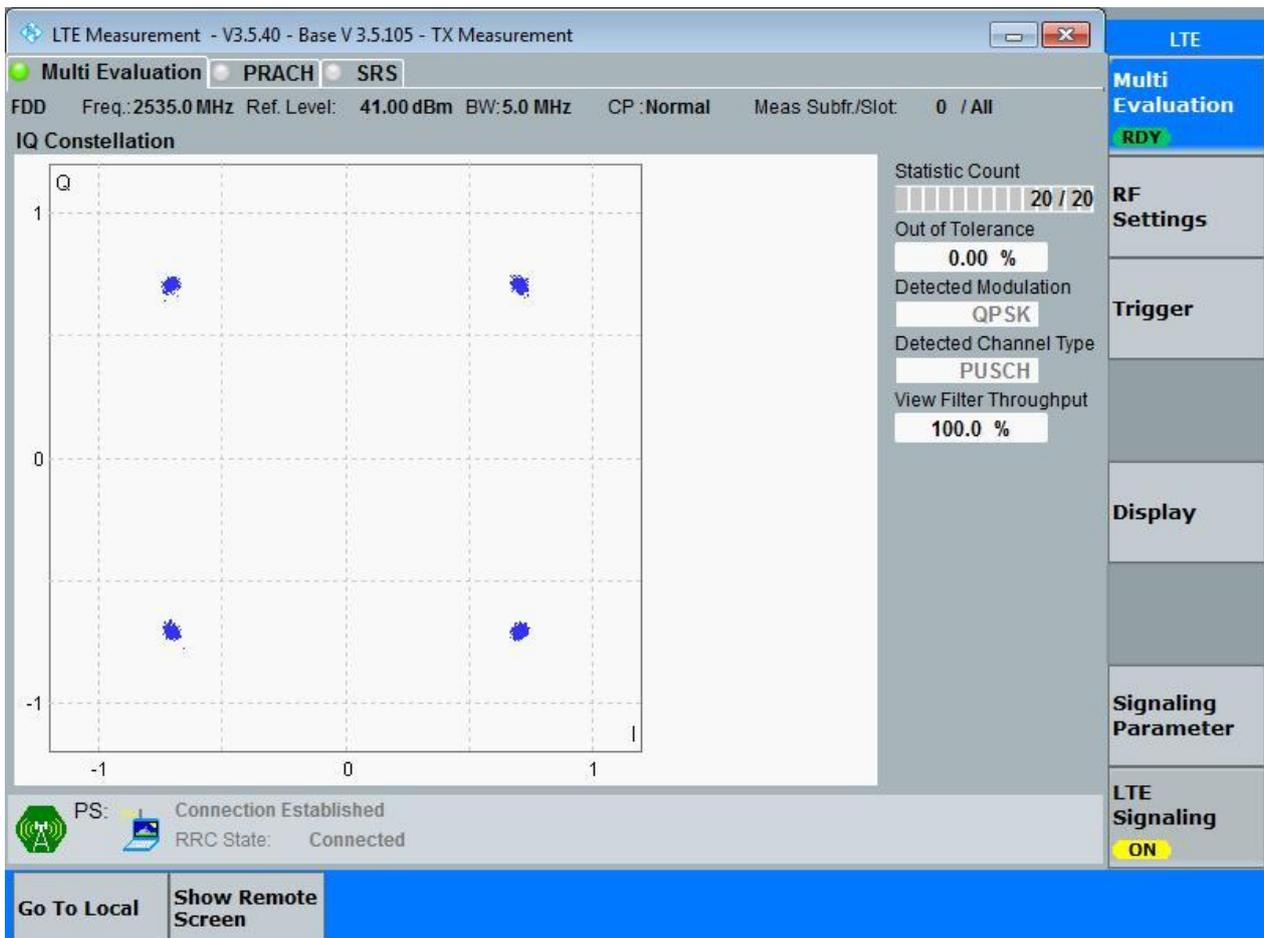
3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB50#0
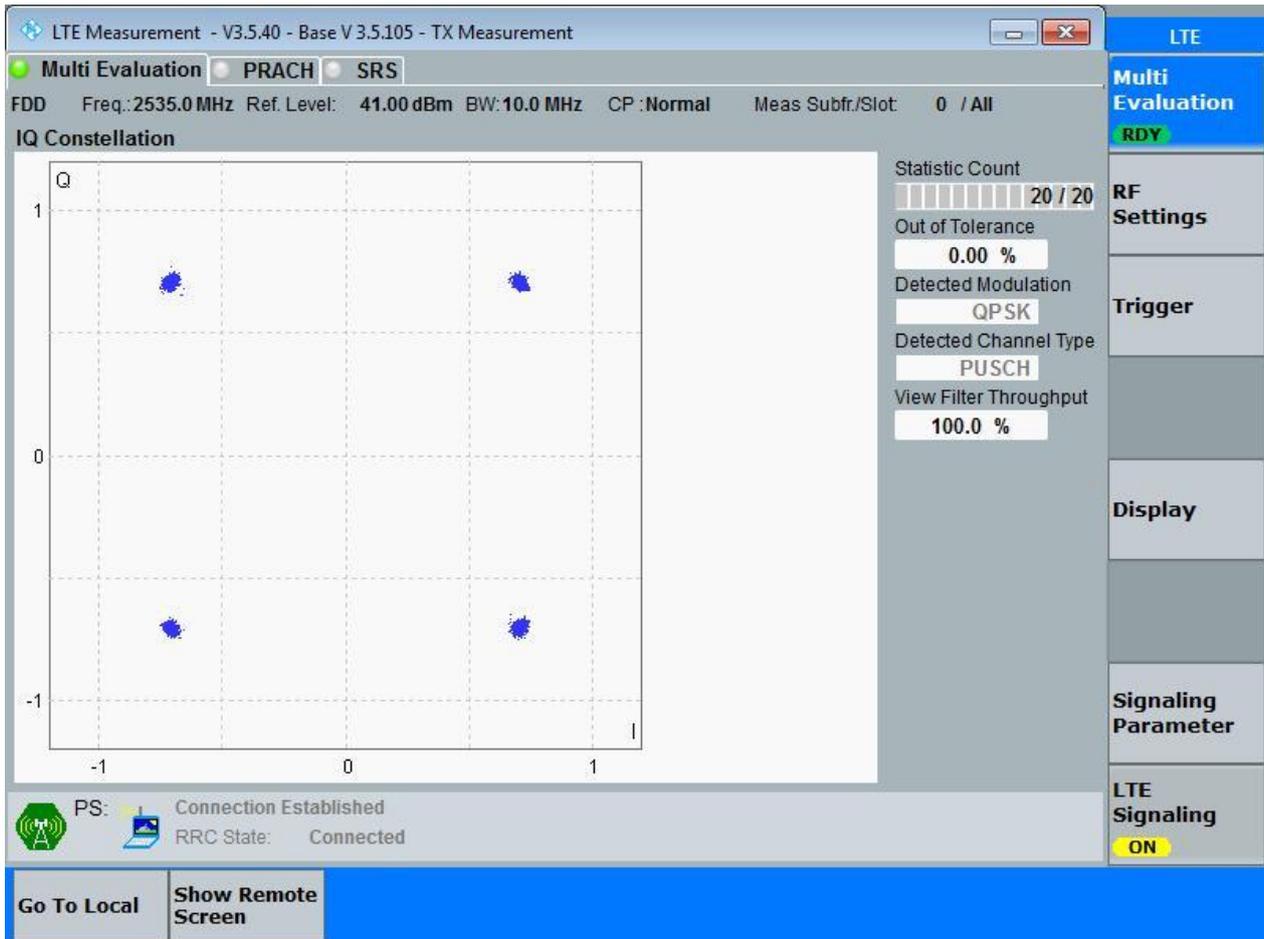
3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

3.1.1.1.3.1.1 Test RB = RB75#0
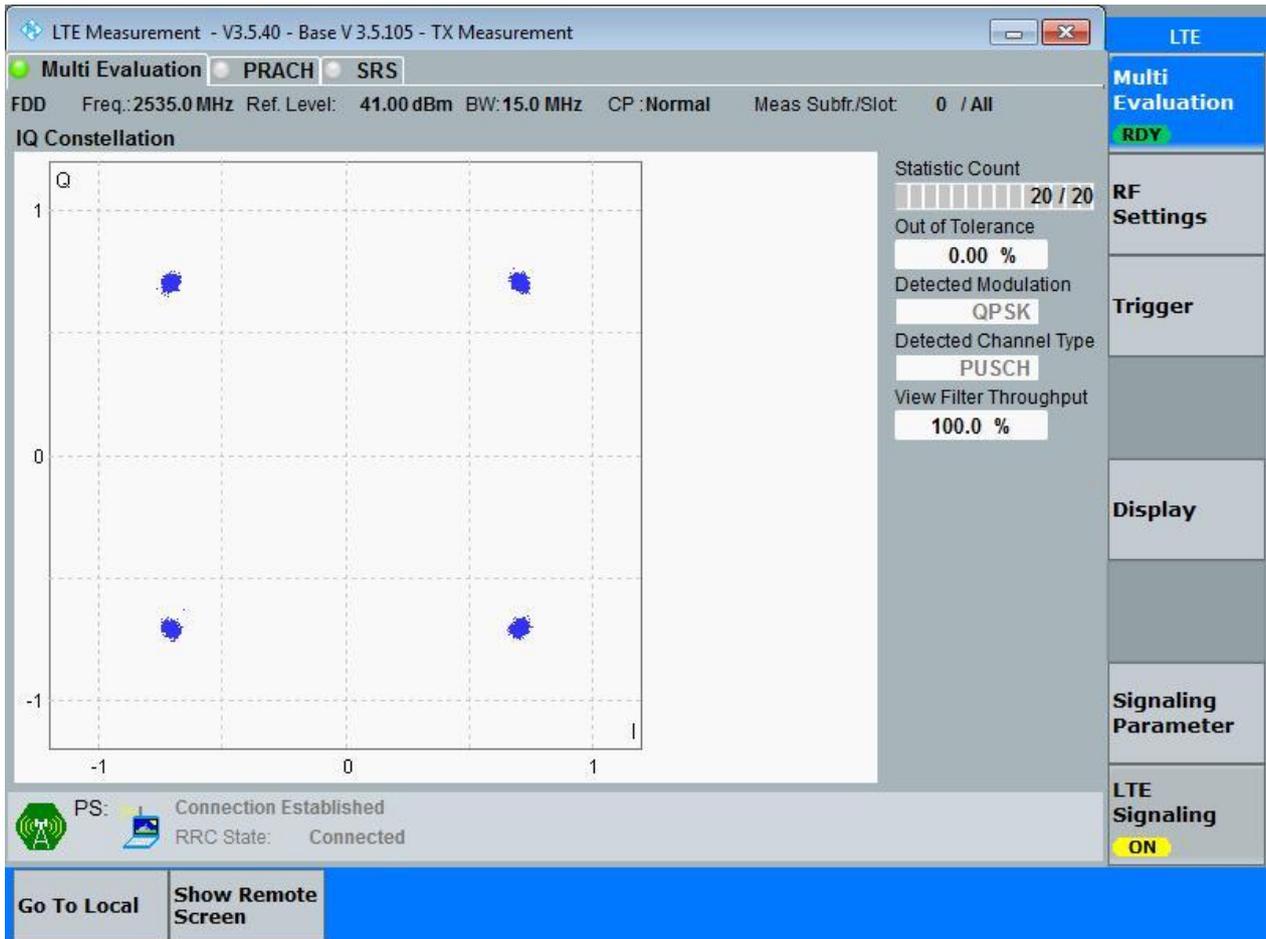
3.1.1.1.4 Test Bandwidth = 20

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB100#0
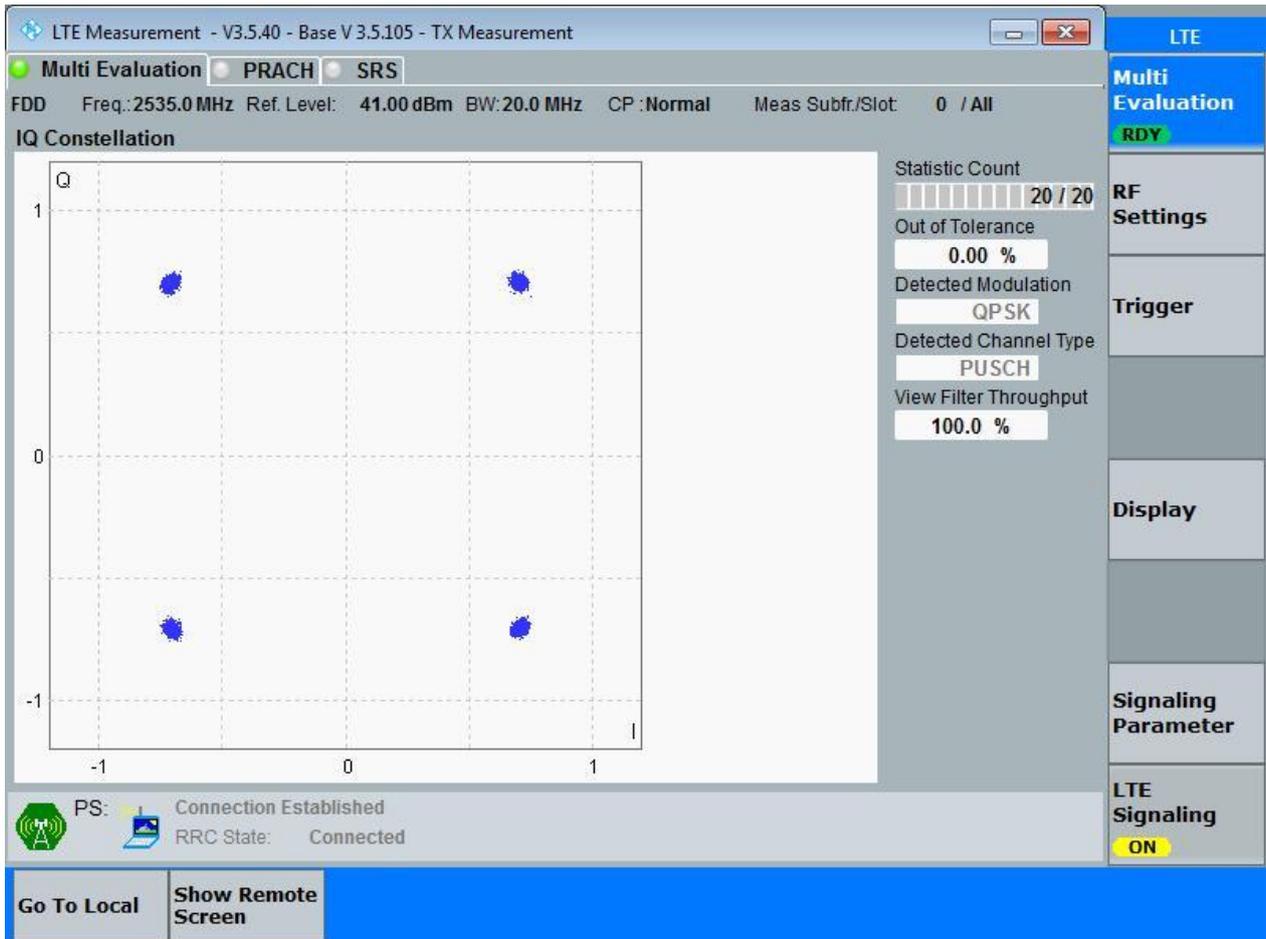
3.1.1.2 Test Mode = LTE/TM2

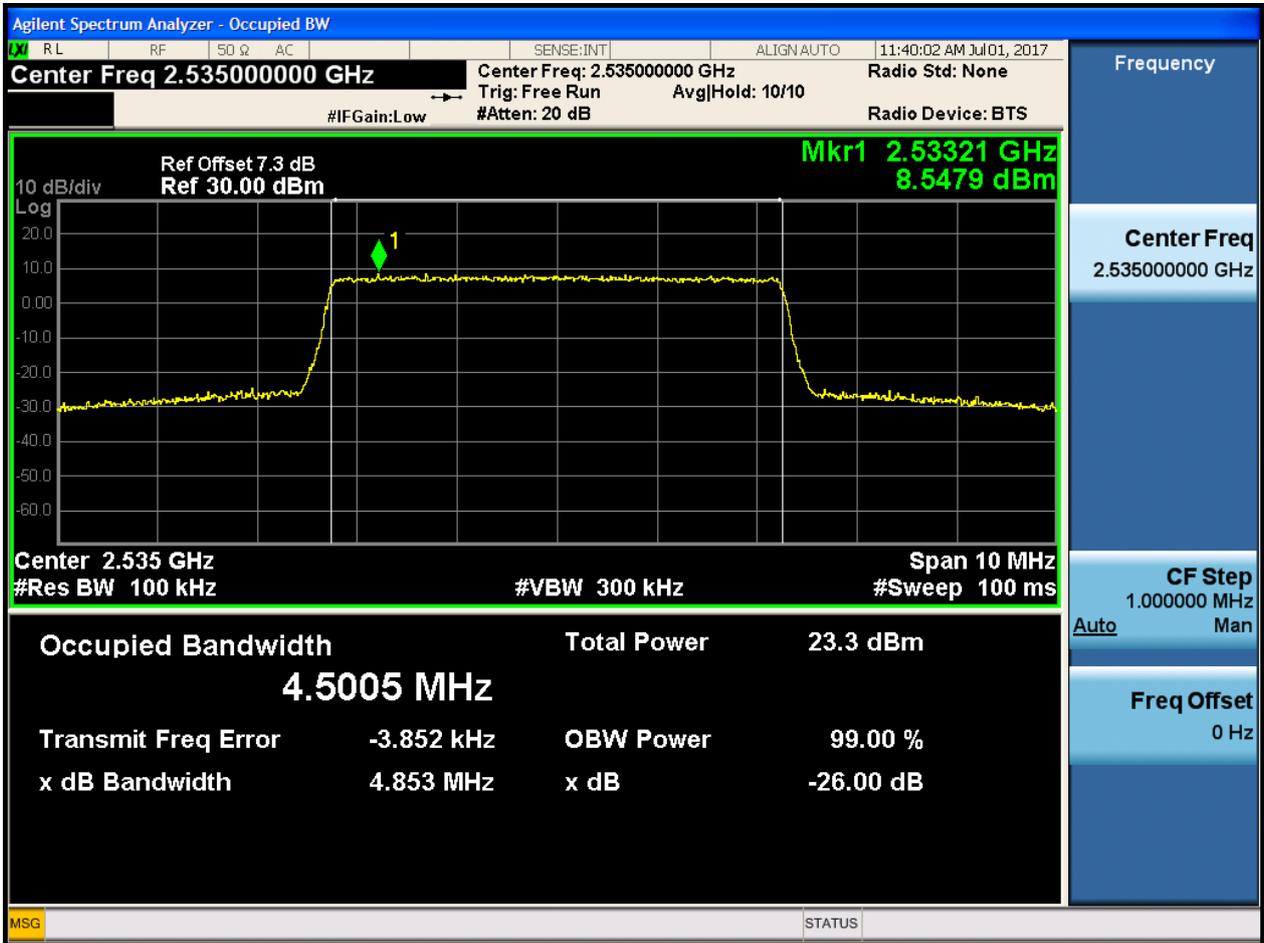### 3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

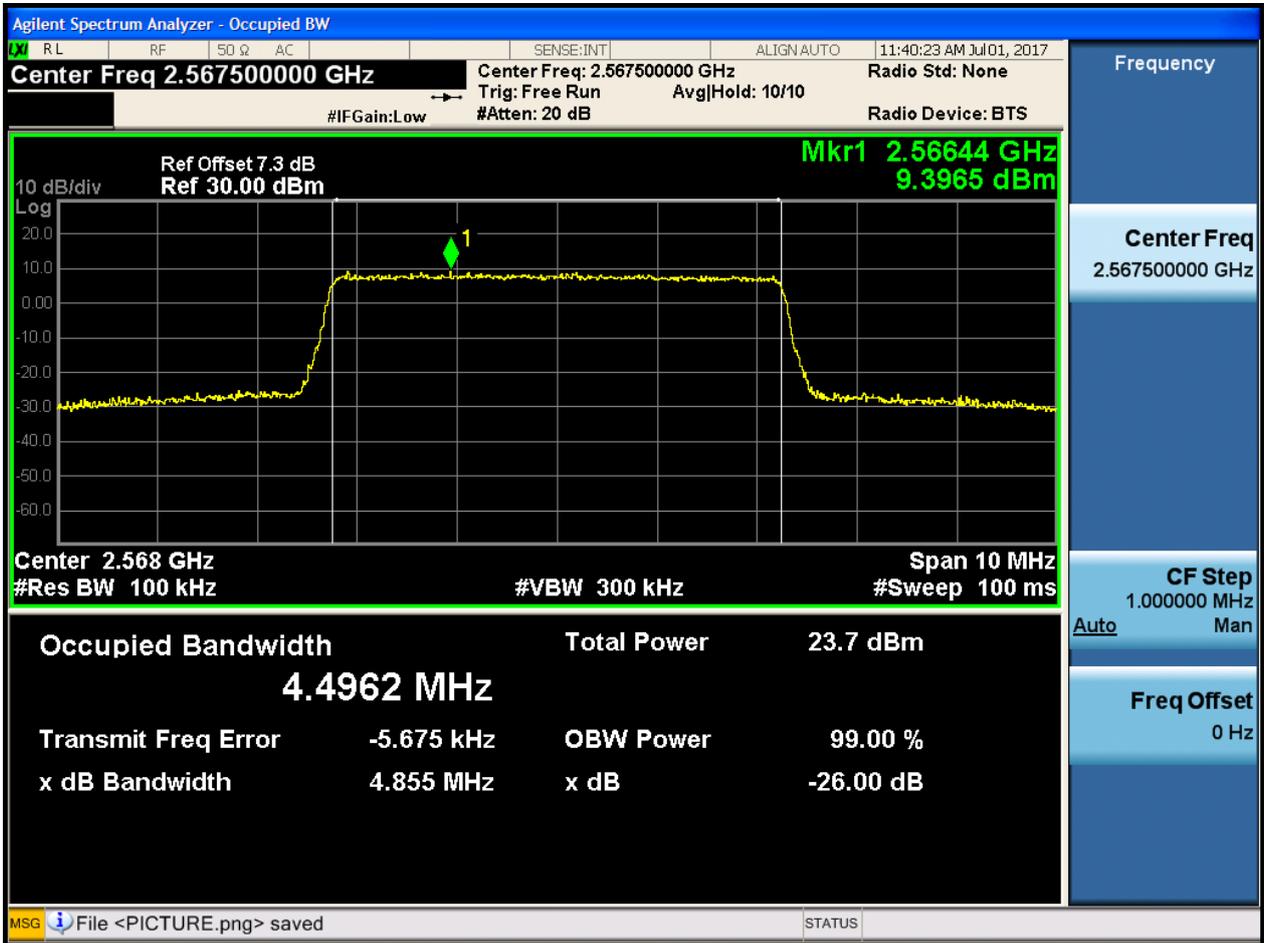### 3.1.1.2.1.1.1 Test RB = RB25#0
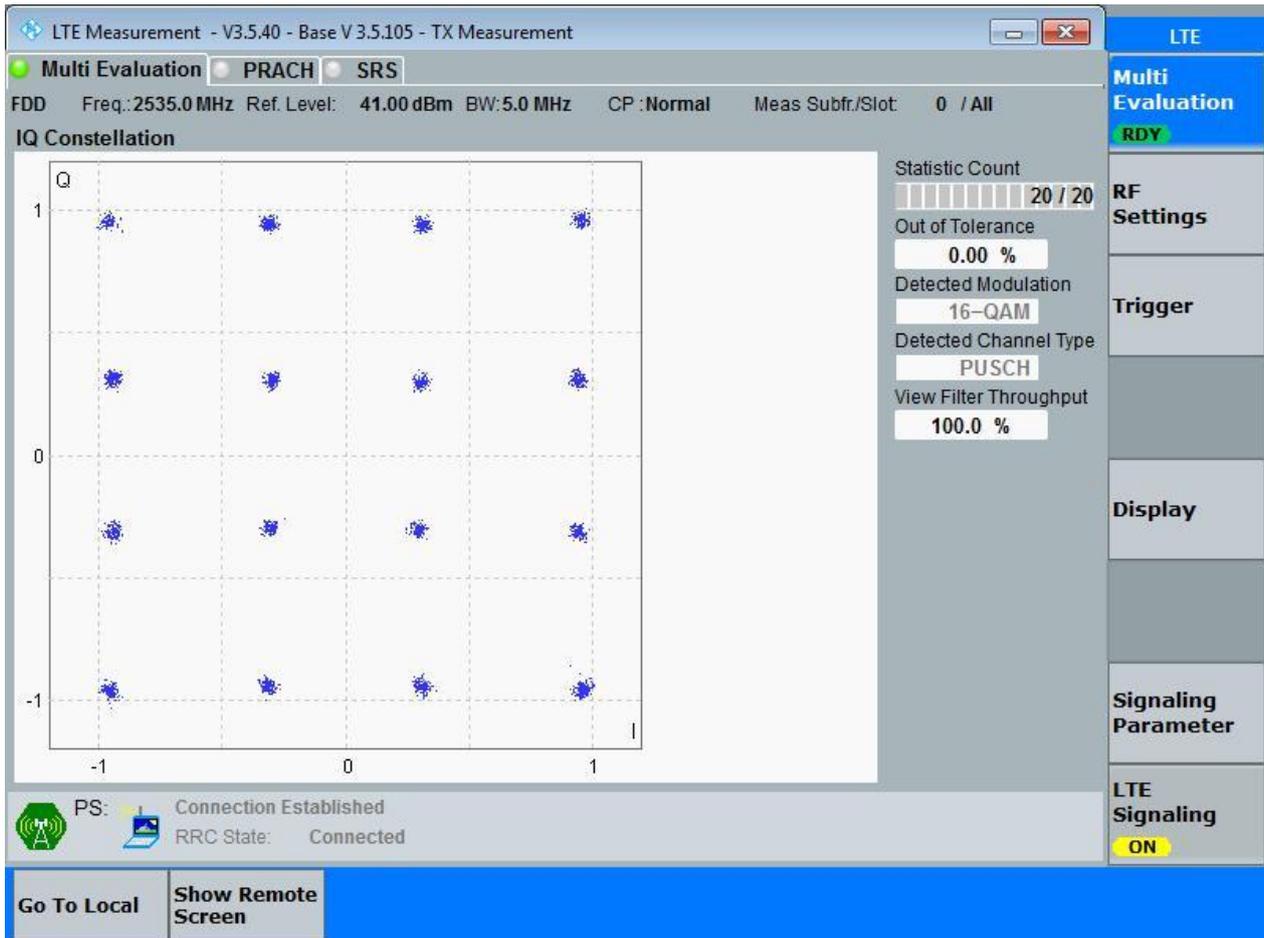
3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB50#0
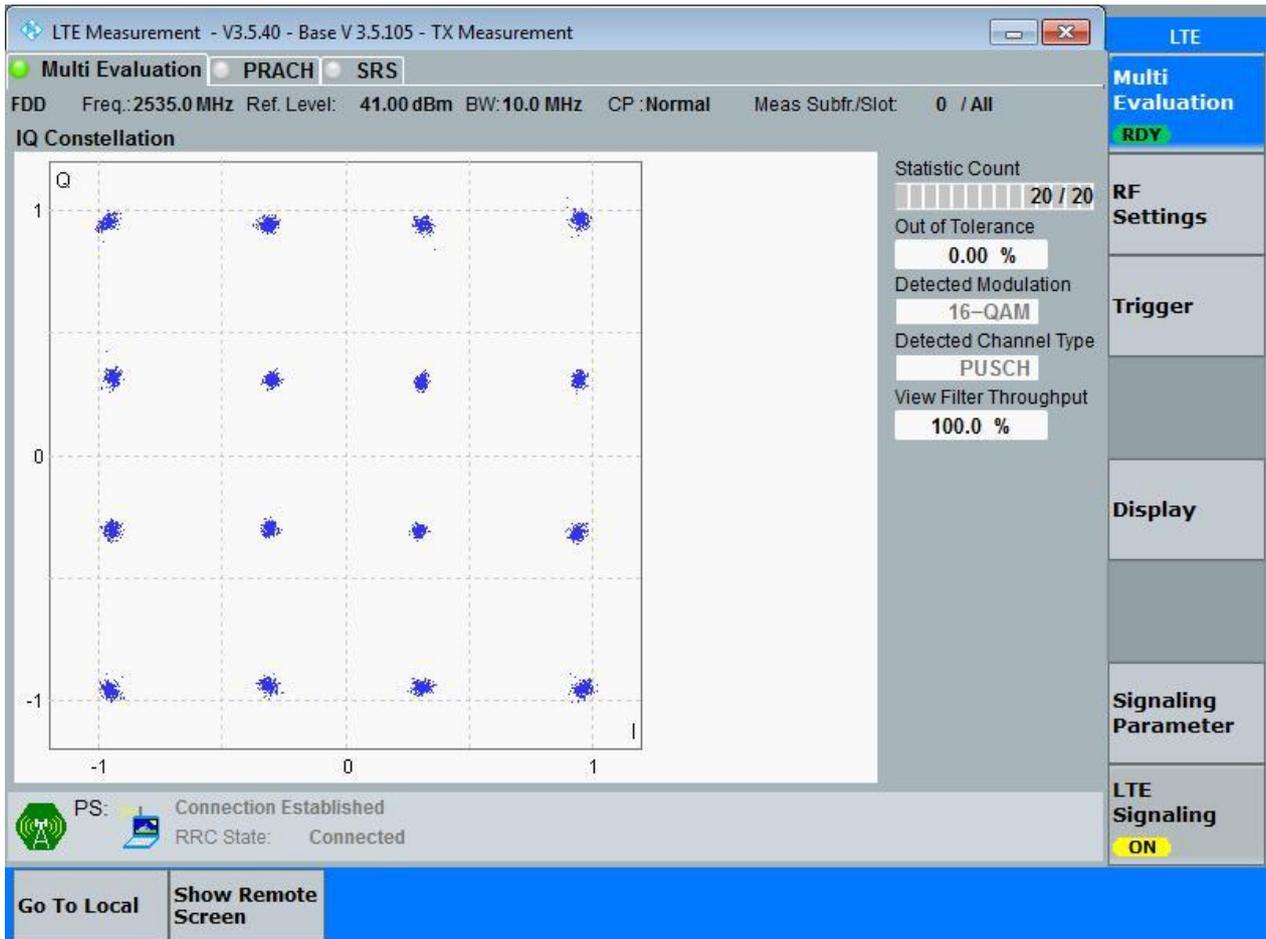
3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

3.1.1.2.3.1.1 Test RB = RB75#0
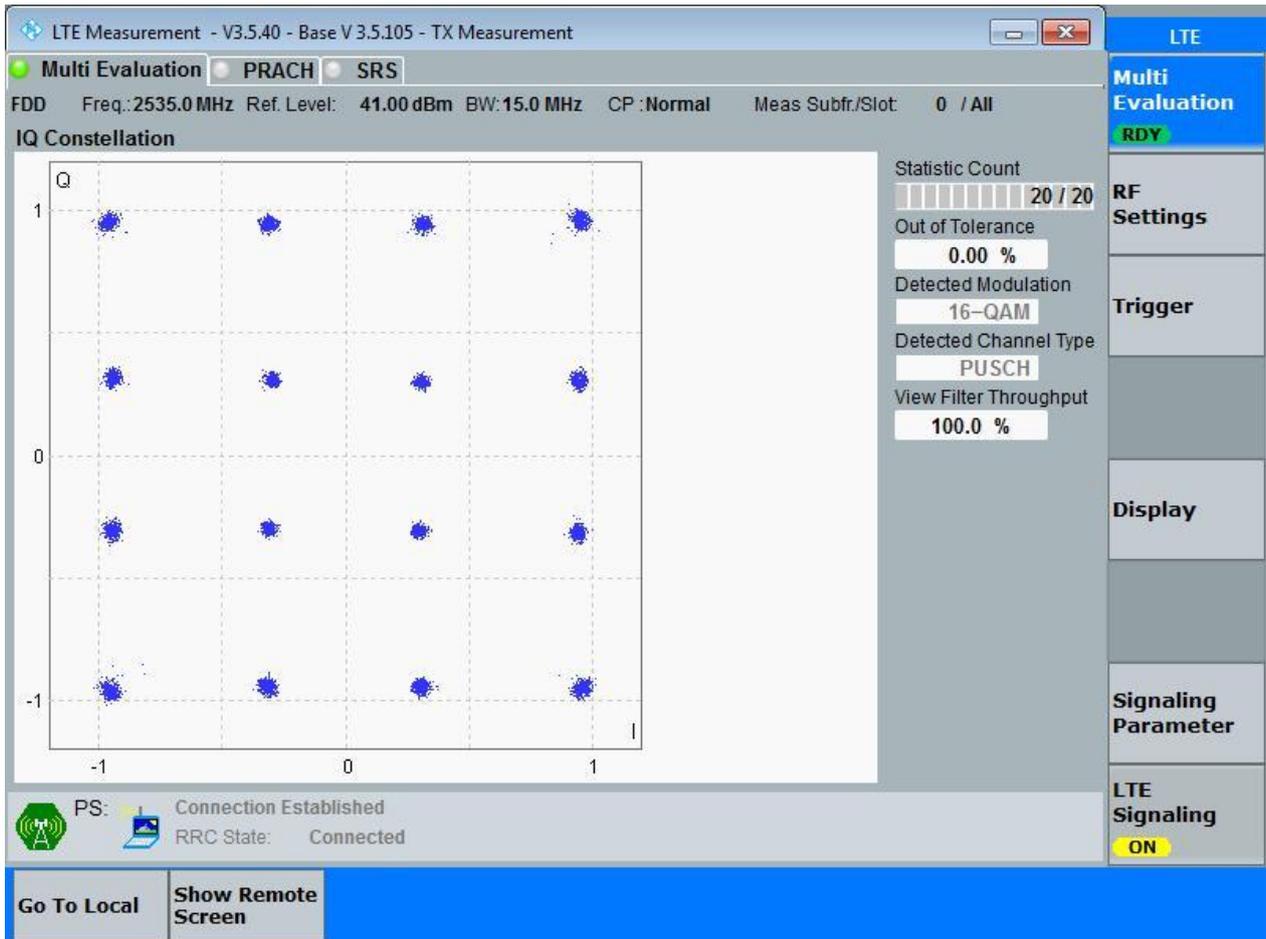
3.1.1.2.4 Test Bandwidth = 20

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB100#0
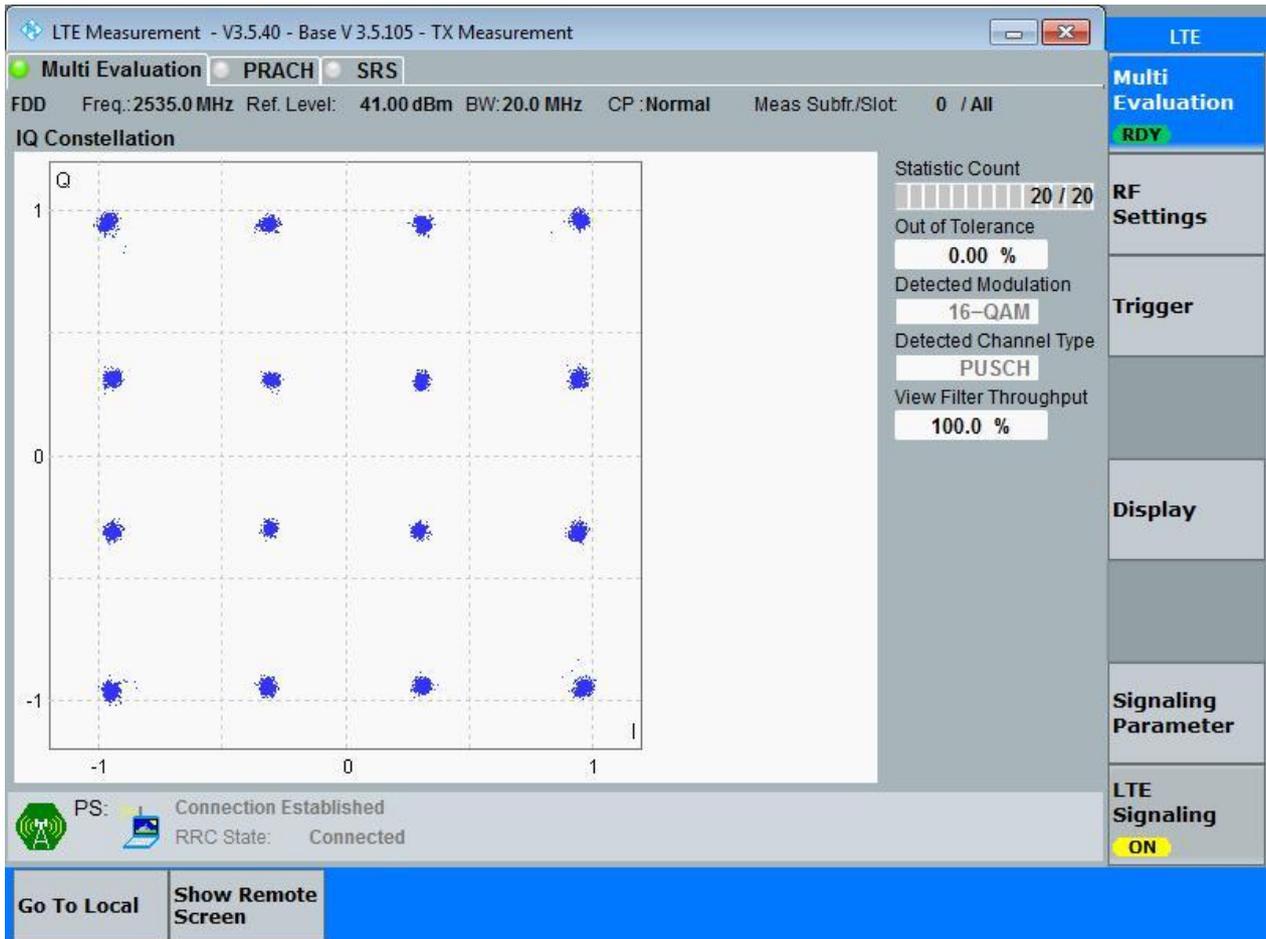
4Appendix_D: Bandwidth

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
		5	MCH	RB25#0	4.49	4.84	Pass
		5	HCH	RB25#0	4.50	4.89	Pass
		10	LCH	RB50#0	8.99	9.63	Pass
		10	MCH	RB50#0	9.00	9.63	Pass
		10	HCH	RB50#0	8.98	9.64	Pass
		15	LCH	RB75#0	13.46	14.36	Pass
		15	MCH	RB75#0	13.47	14.39	Pass
		15	HCH	RB75#0	13.47	14.36	Pass
		20	LCH	RB100#0	17.96	19.06	Pass
		20	MCH	RB100#0	17.97	19.08	Pass
		20	HCH	RB100#0	17.95	19.02	Pass
	LTE/TM2	5	LCH	RB25#0	4.49	4.88	Pass
		5	MCH	RB25#0	4.50	4.85	Pass
		5	HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.99	9.63	Pass
		10	MCH	RB50#0	9.00	9.64	Pass
		10	HCH	RB50#0	8.99	9.65	Pass
		15	LCH	RB75#0	13.47	14.42	Pass
		15	MCH	RB75#0	13.49	14.42	Pass
		15	HCH	RB75#0	13.46	14.31	Pass
		20	LCH	RB100#0	17.95	19.08	Pass
		20	MCH	RB100#0	17.95	19.11	Pass
		20	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
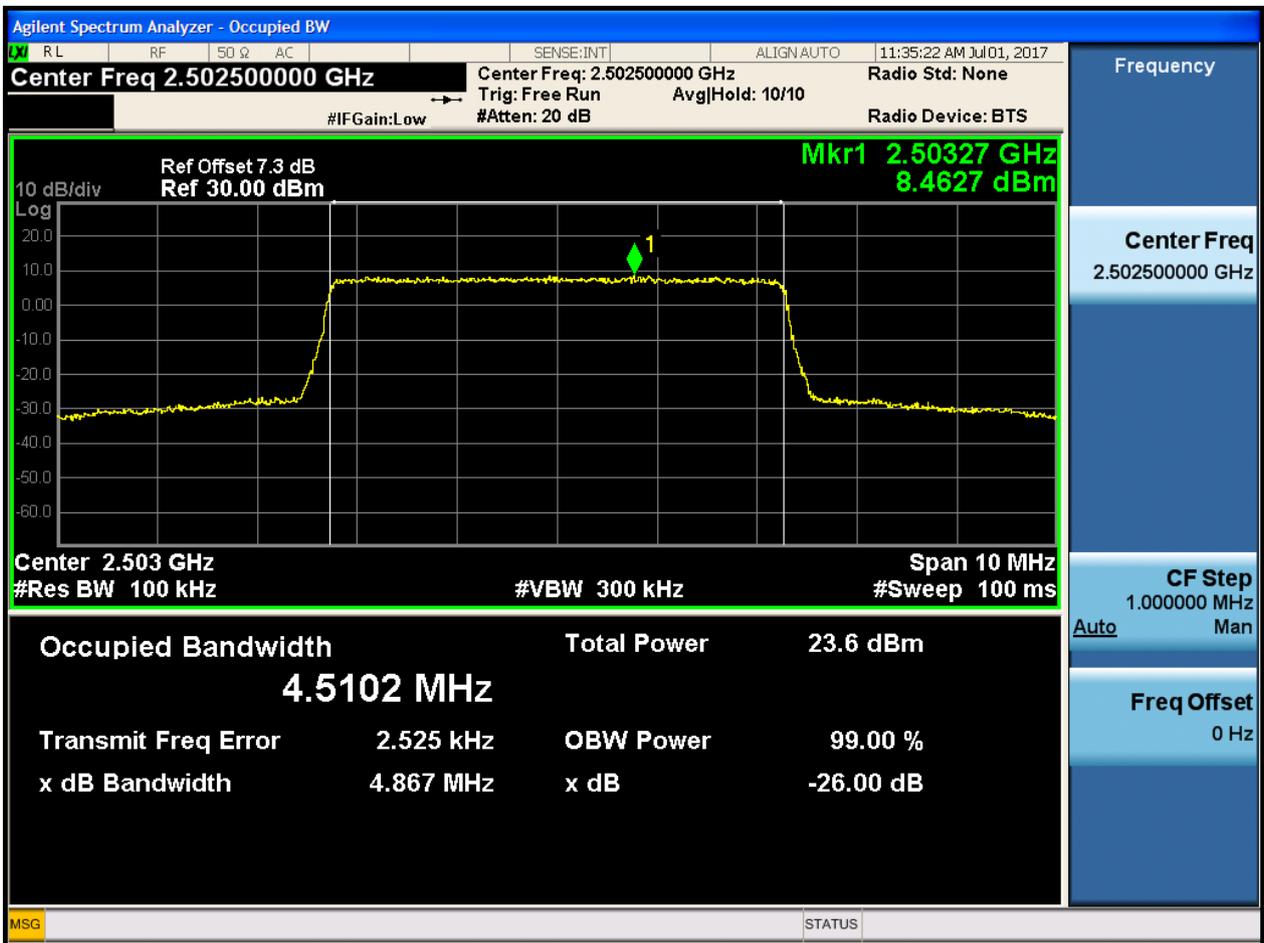
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB25#0

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.
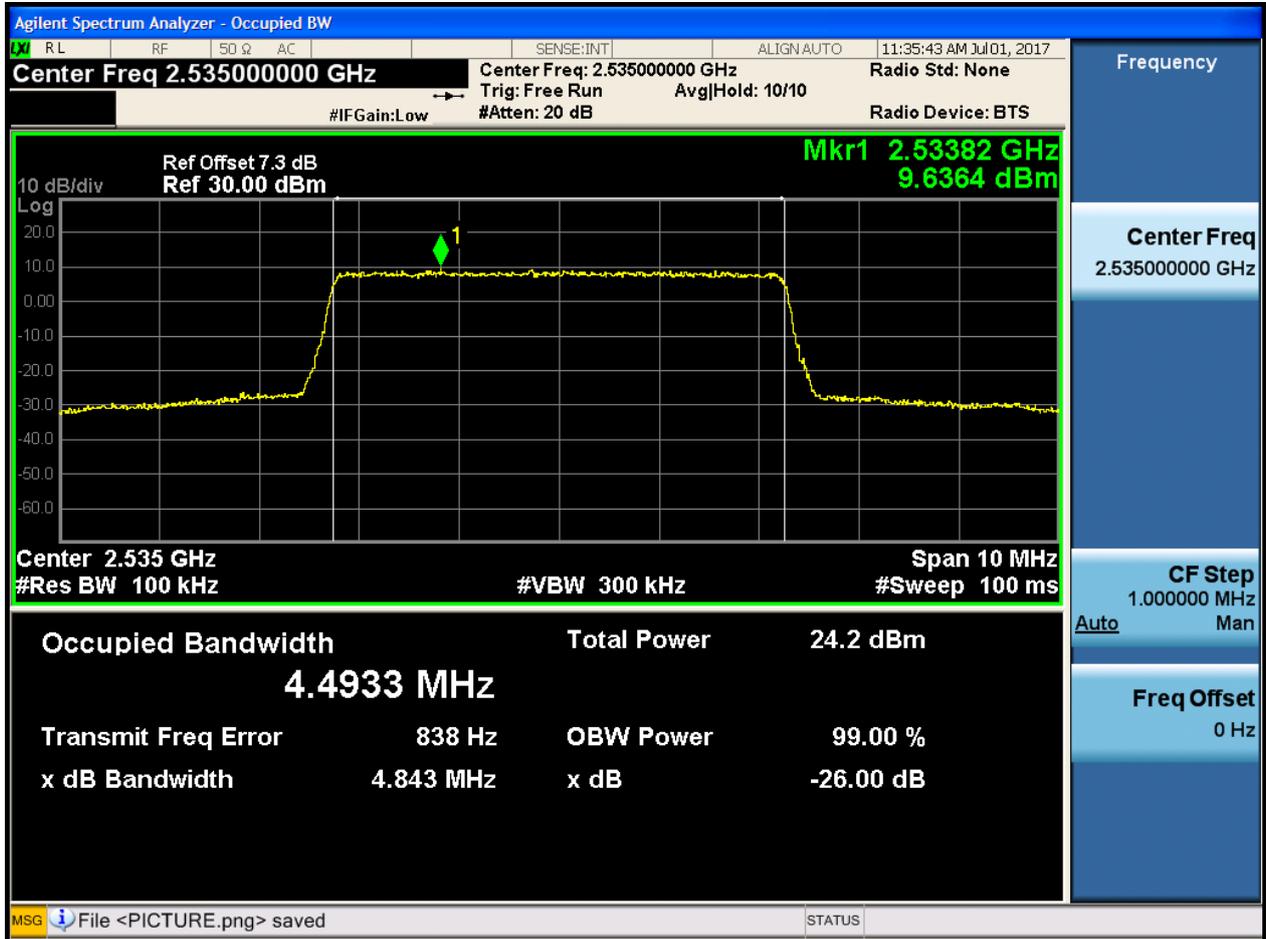
4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0
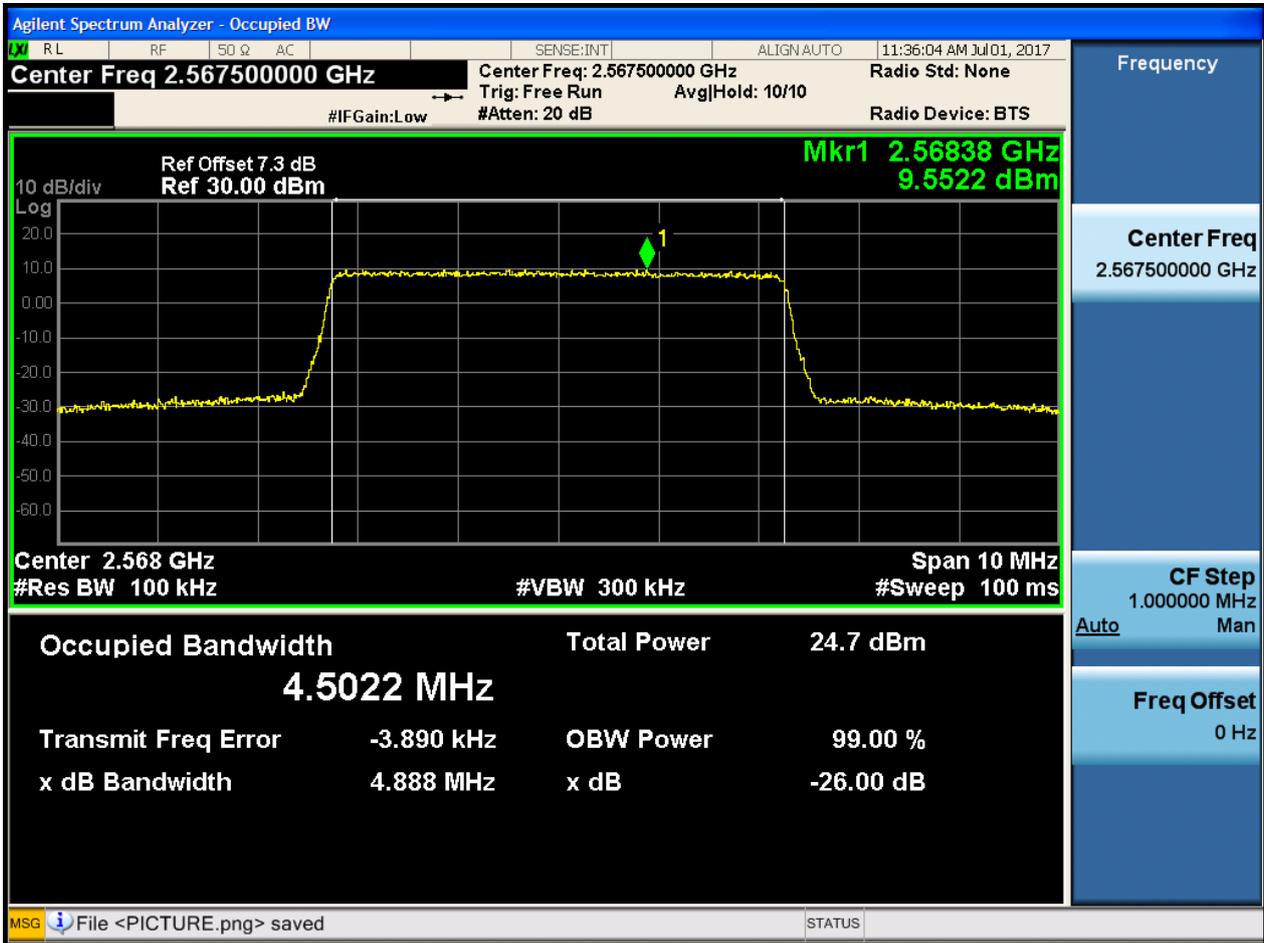
4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0
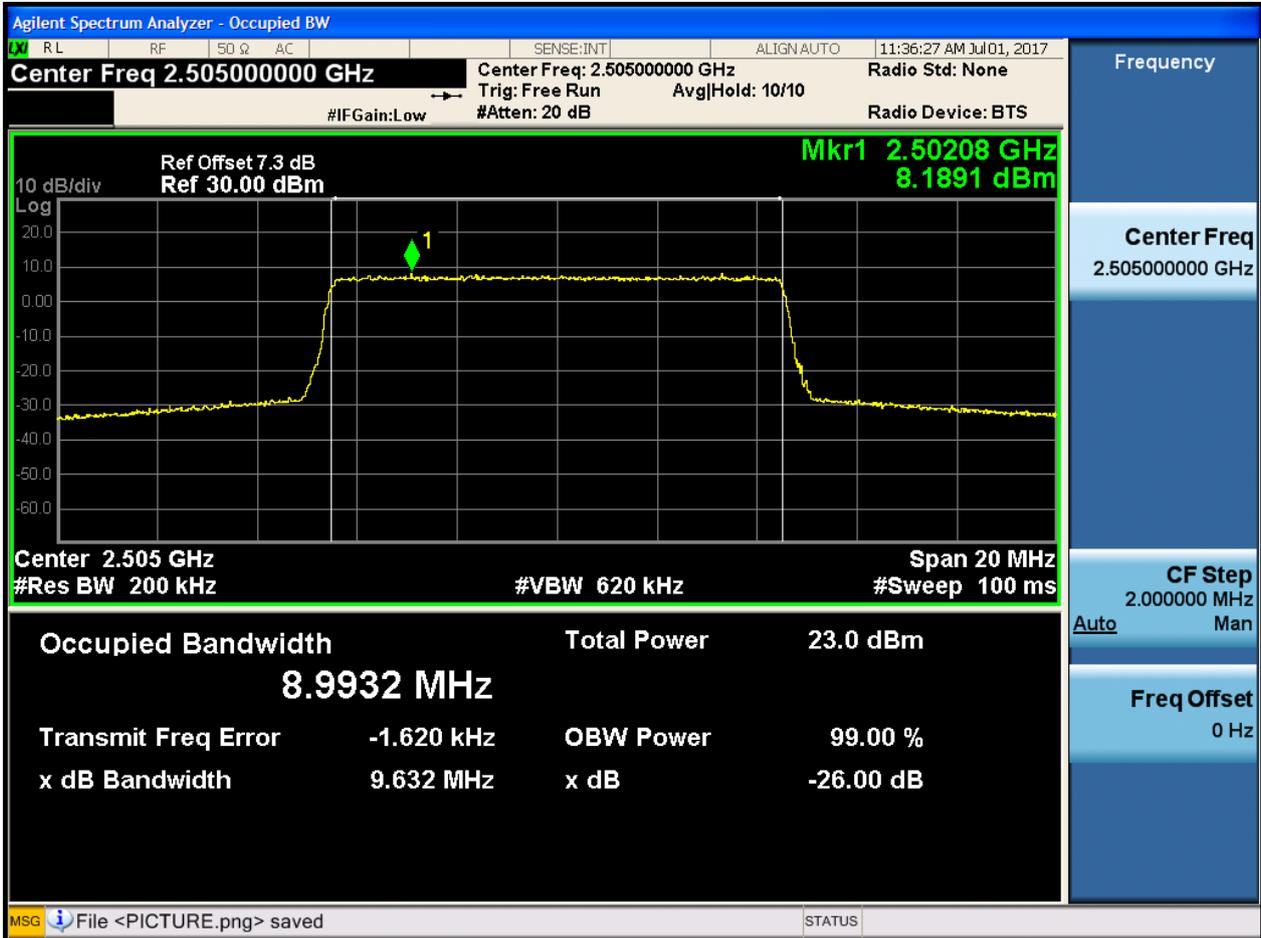
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB50#0
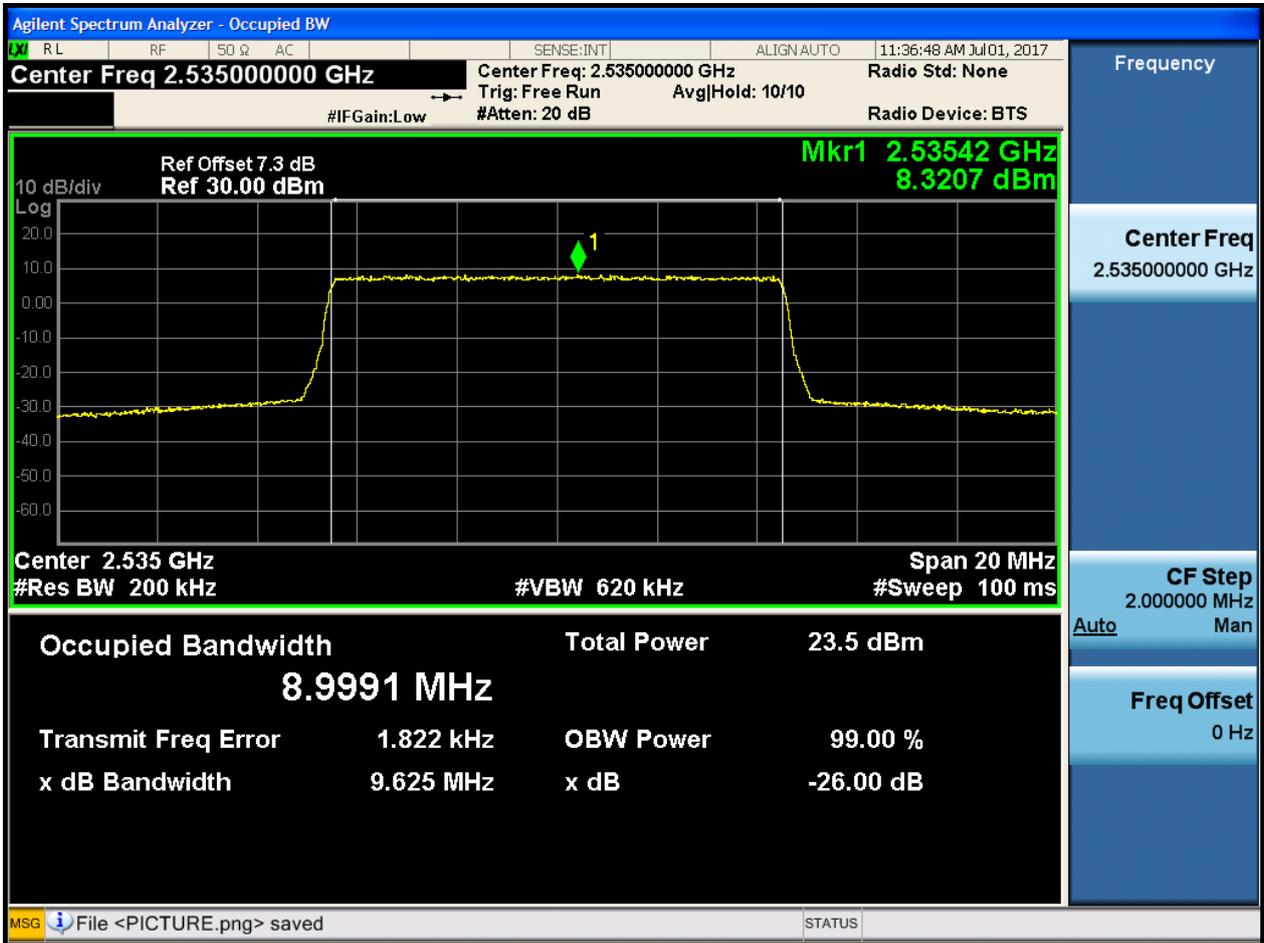
4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0
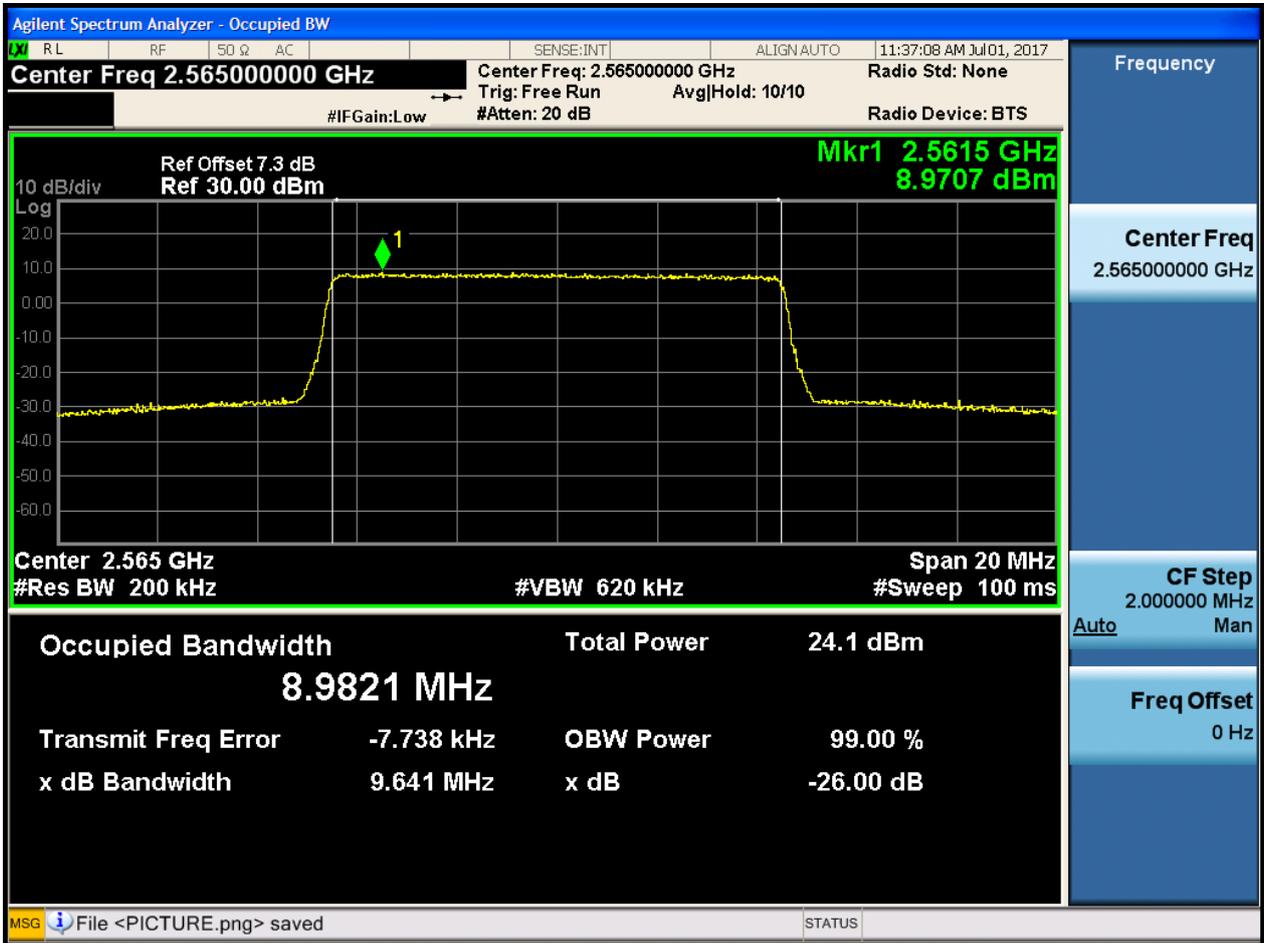
4.1.1.1.3 Test Bandwidth = 15

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB75#0
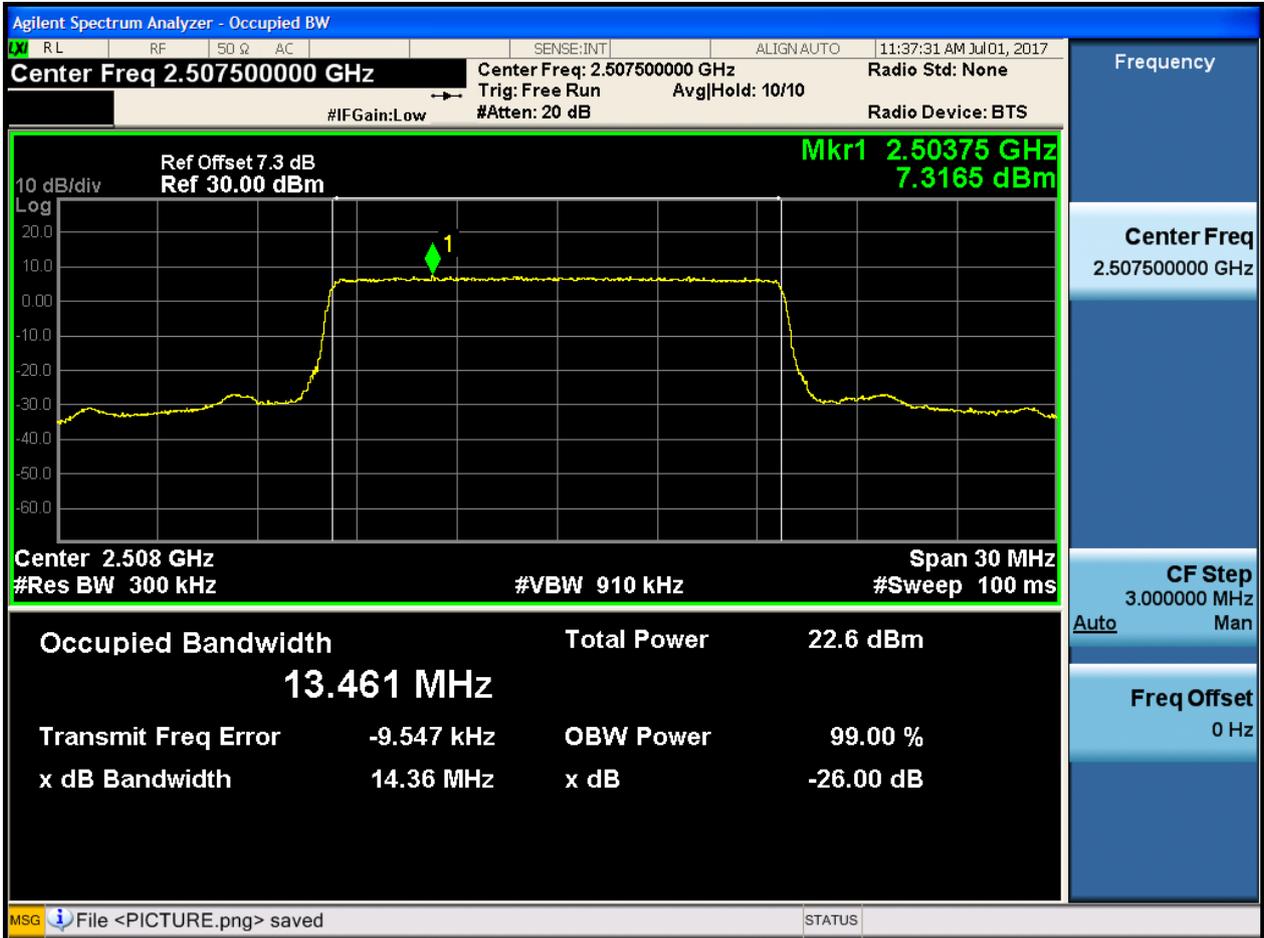
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB75#0
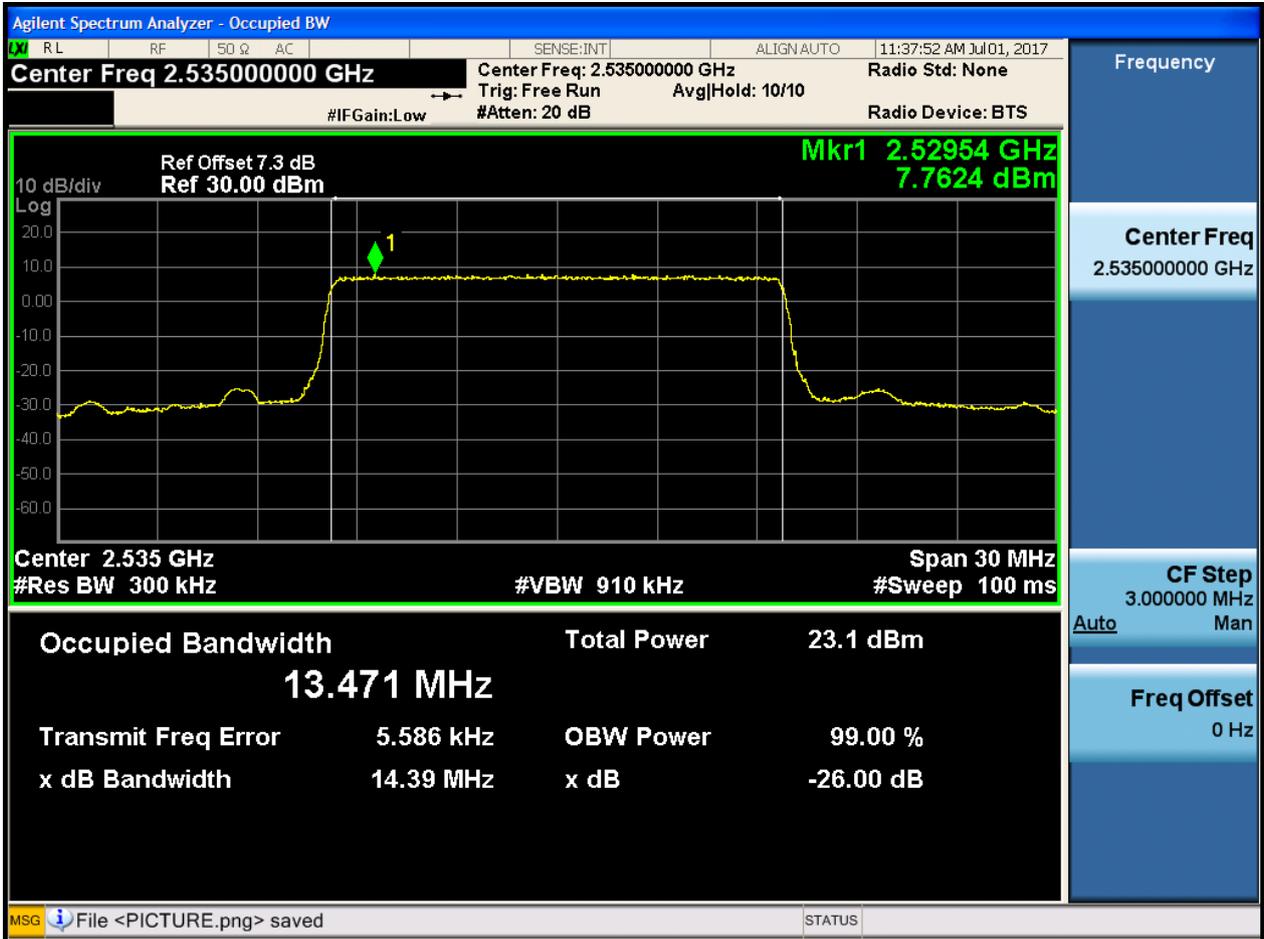
4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB75#0
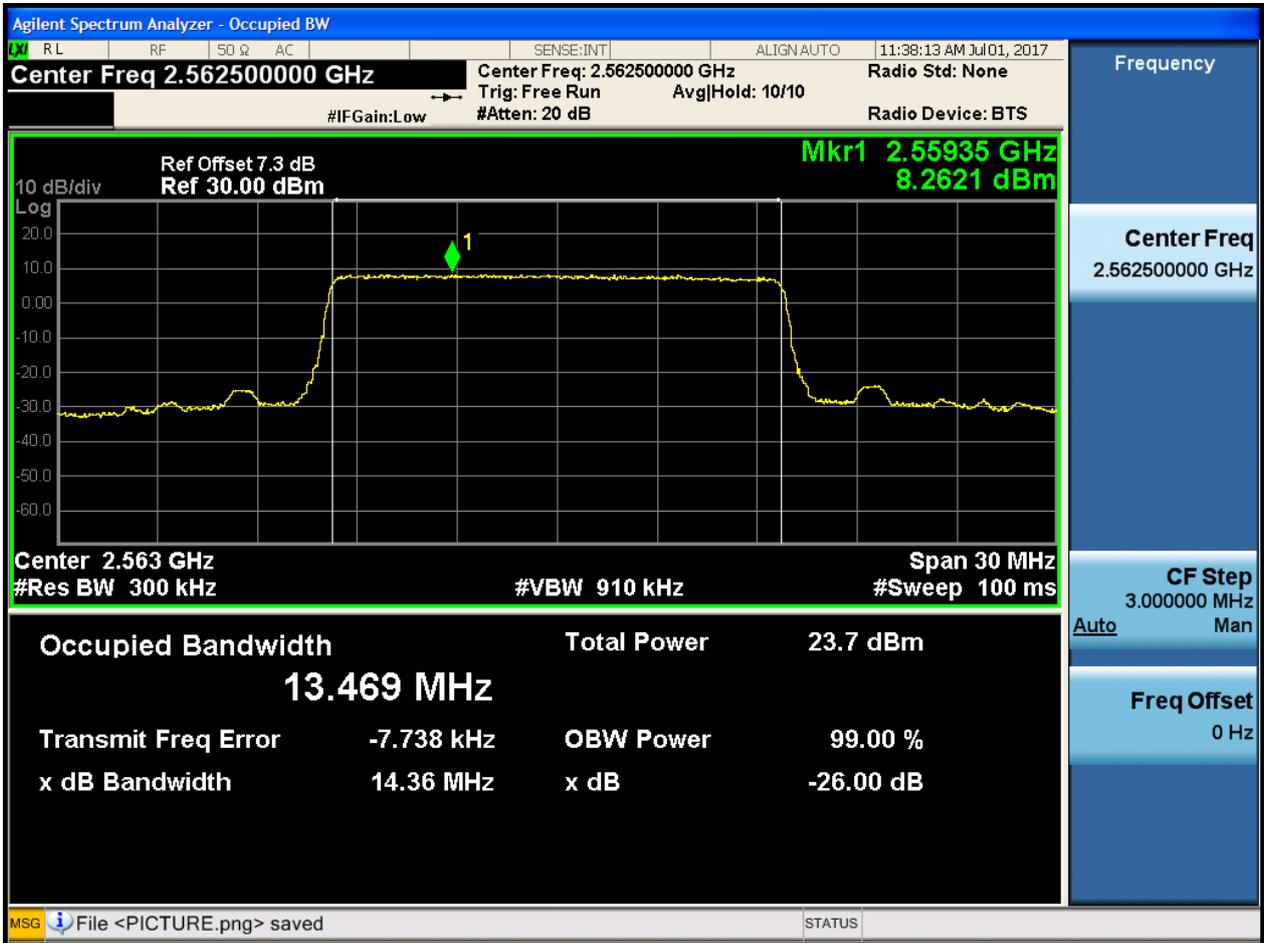
4.1.1.1.4 Test Bandwidth = 20

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB100#0
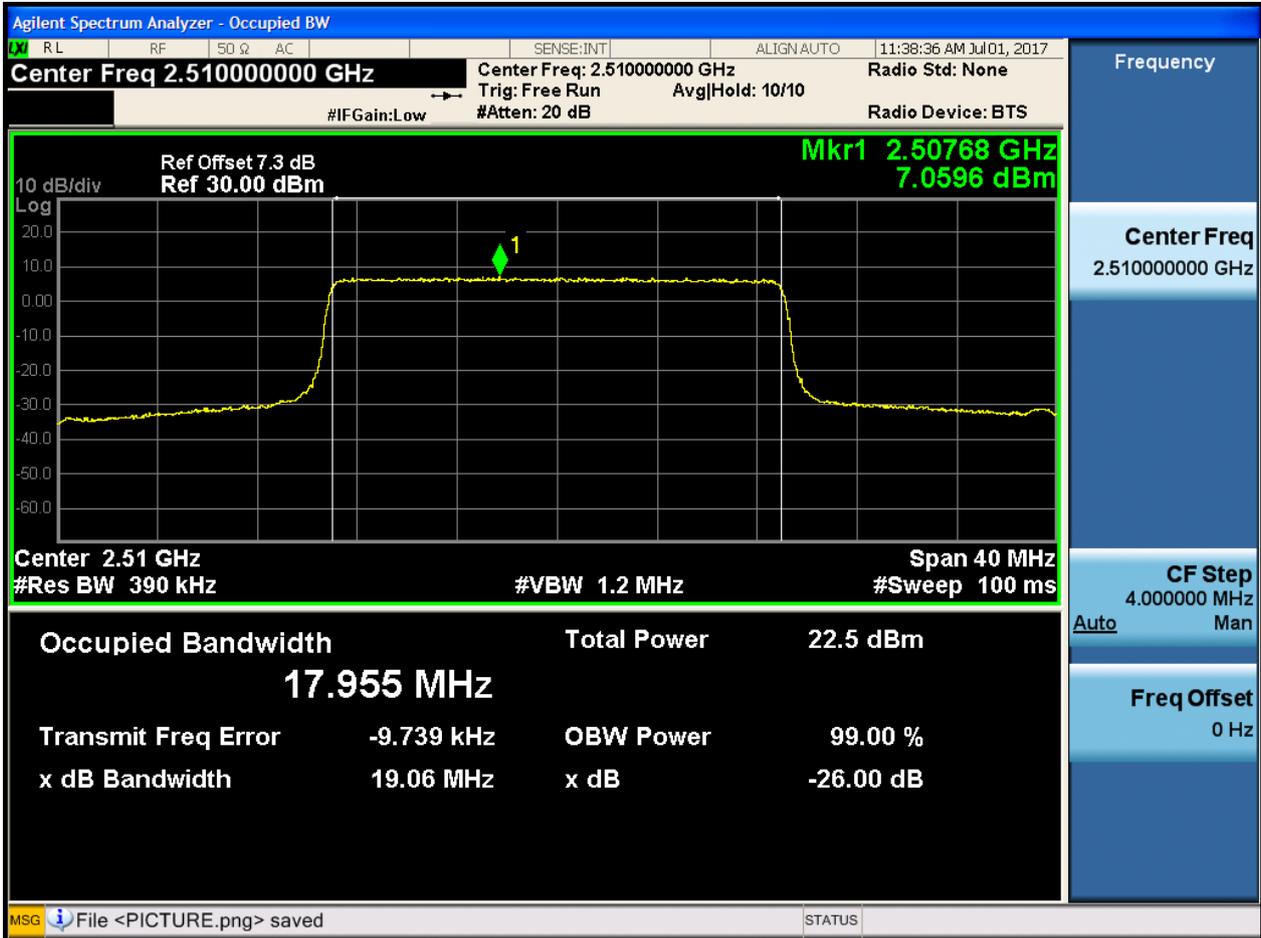
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB100#0
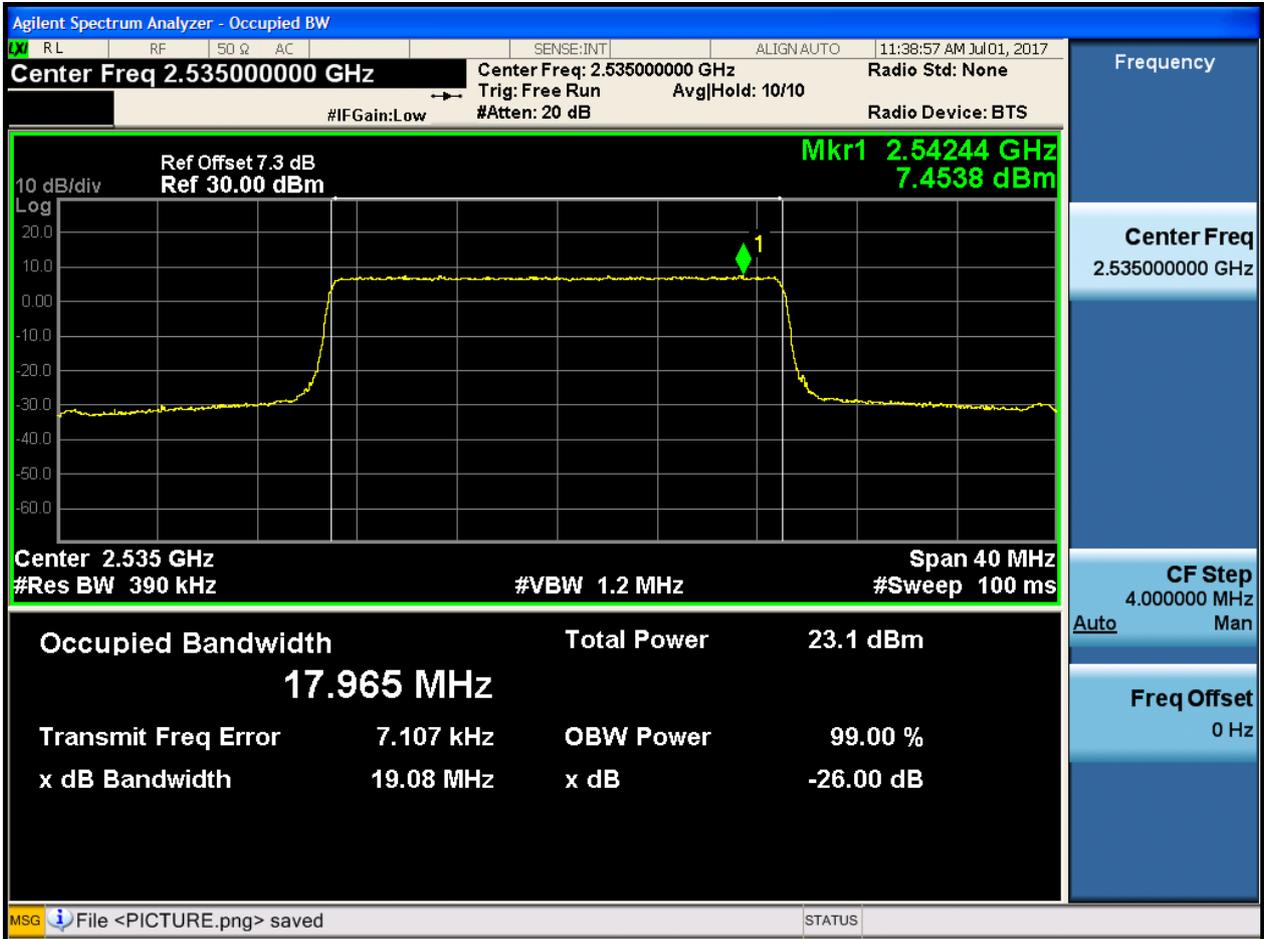
4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB100#0
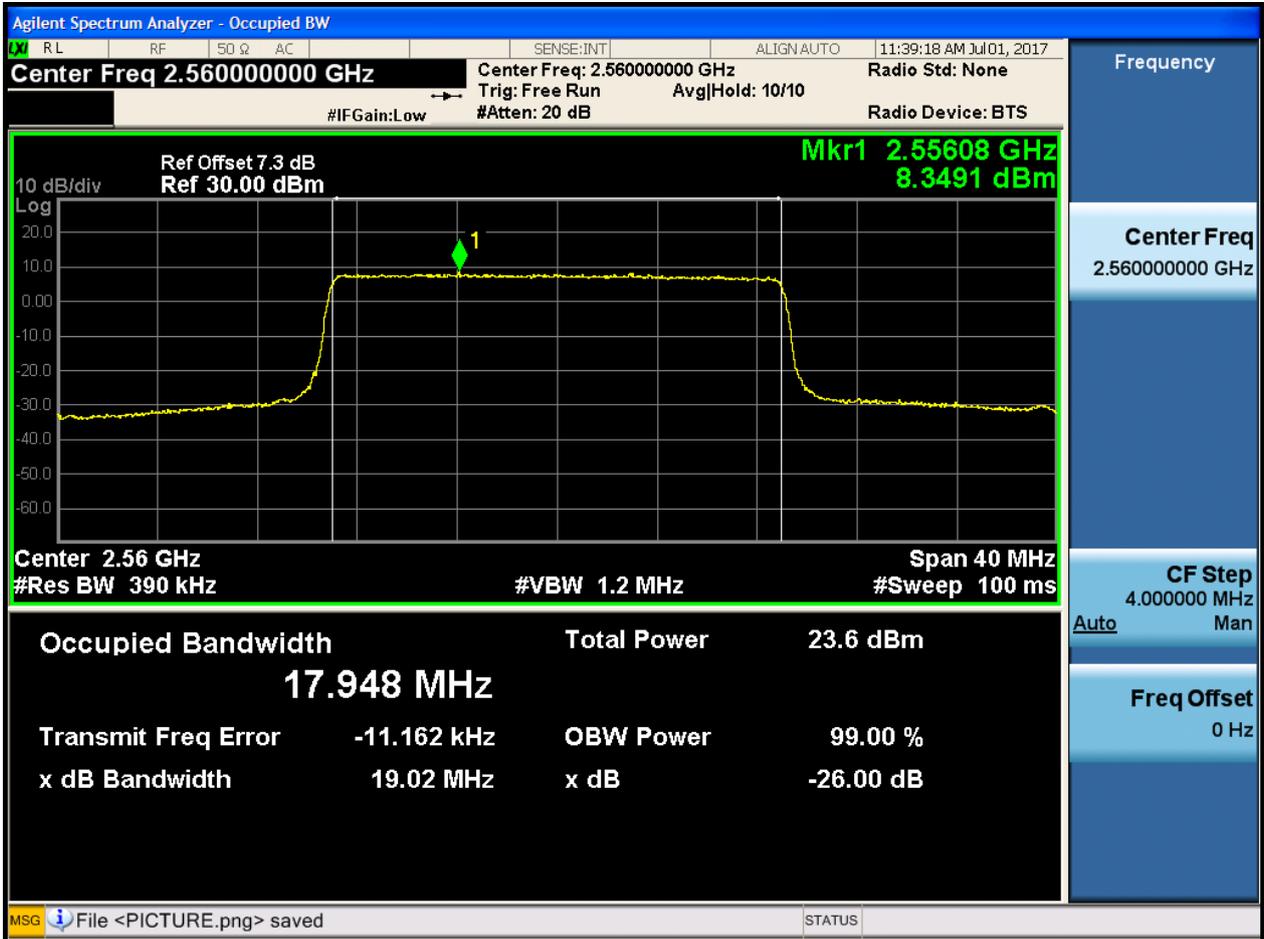
4.1.1.2 Test Mode = LTE/TM2

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
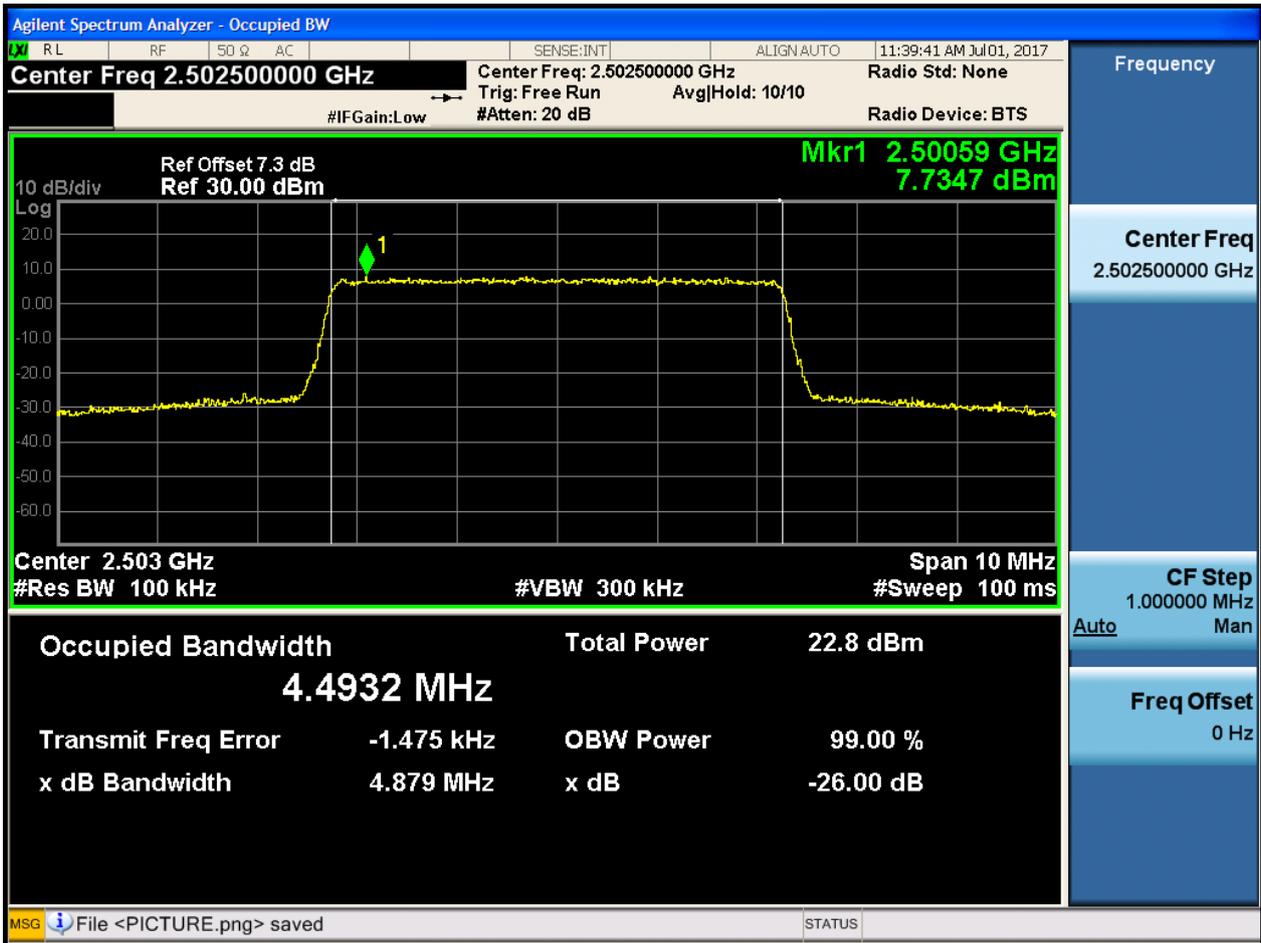
4.1.1.2.1.2 Test Channel = MCH

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
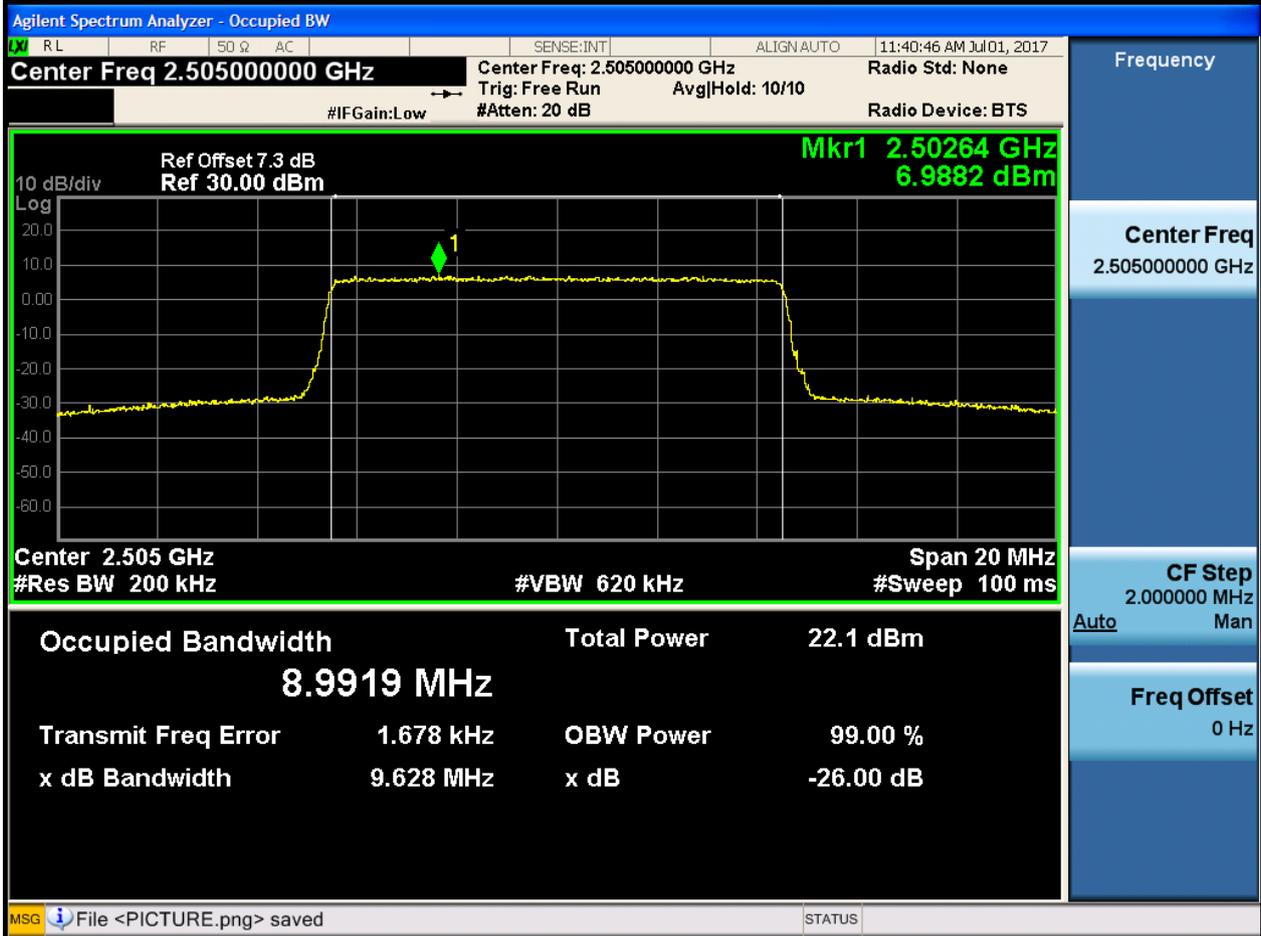
4.1.1.2.2.2 Test Channel = MCH

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

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.535000000 GHz	

Center Freq: 2.535000000 GHz — Radio Std: None
Trig: Free Run — Avg|Hold: 10/10
#Atten: 20 dB — Radio Device: BTS
#IFGain:Low

SENSE:INT — ALIGN AUTO — 11:42:12 AM Jul 01, 2017

Ref Offset 7.3 dB
Ref 30.00 dBm
10 dB/div
Log

Mkr1 2.53419 GHz
6.7854 dBm

Center 2.535 GHz — Span 30 MHz
#Res BW 300 kHz — #VBW 910 kHz — #Sweep 100 ms

Occupied Bandwidth   Total Power   22.2 dBm
13.486 MHz

Transmit Freq Error   265 Hz   OBW Power   99.00 %
x dB Bandwidth   14.42 MHz   x dB   -26.00 dB

MSG Alignment Completed   STATUS

Frequency

Center Freq
2.535000000 GHz

CF Step
3.000000 MHz
Auto   Man

Freq Offset
0 Hz

4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB75#0

Agilent Spectrum Analyzer - Occupied BW

| | | | | | SENSE:INT | | ALIGN AUTO | 11:42:33 AM Jul 01, 2017 |

Center Freq 2.562500000 GHz

Center Freq: 2.562500000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 10/10
#IFGain:Low   #Atten: 20 dB   Radio Device: BTS

Ref Offset 7.3 dB
10 dB/div   Ref 30.00 dBm

Mkr1 2.55764 GHz
7.8847 dBm

Center 2.563 GHz   Span 30 MHz
#Res BW 300 kHz   #VBW 910 kHz   #Sweep 100 ms

Occupied Bandwidth		Total Power	22.8 dBm
13.457 MHz			
Transmit Freq Error	-12.118 kHz	OBW Power	99.00 %
x dB Bandwidth	14.31 MHz	x dB	-26.00 dB

MSG File <PICTURE.png> saved   STATUS

Frequency

Center Freq
2.562500000 GHz

CF Step
3.000000 MHz
Auto   Man

Freq Offset
0 Hz

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

Agilent Spectrum Analyzer - Occupied BW

| R L | RF | 50 Ω | AC | | SENSE:INT | ALIGN AUTO | 11:42:56 AM Jul 01, 2017 |

Center Freq 2.510000000 GHz

Center Freq: 2.510000000 GHz   Radio Std: None
#IFGain:Low   Trig: Free Run   Avg|Hold: 10/10
#Atten: 20 dB   Radio Device: BTS

Frequency

Ref Offset 7.3 dB
Ref 30.00 dBm
10 dB/div
Log

Mkr1 2.509 GHz
6.0148 dBm

Center 2.51 GHz   Span 40 MHz
#Res BW 390 kHz   #VBW 1.2 MHz   #Sweep 100 ms

Center Freq
2.510000000 GHz

CF Step
4.000000 MHz
Auto   Man

Freq Offset
0 Hz

Occupied Bandwidth
17.950 MHz

		Total Power	21.5 dBm
Transmit Freq Error	-10.556 kHz	OBW Power	99.00 %
x dB Bandwidth	19.08 MHz	x dB	-26.00 dB

MSG File <PICTURE.png> saved   STATUS

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
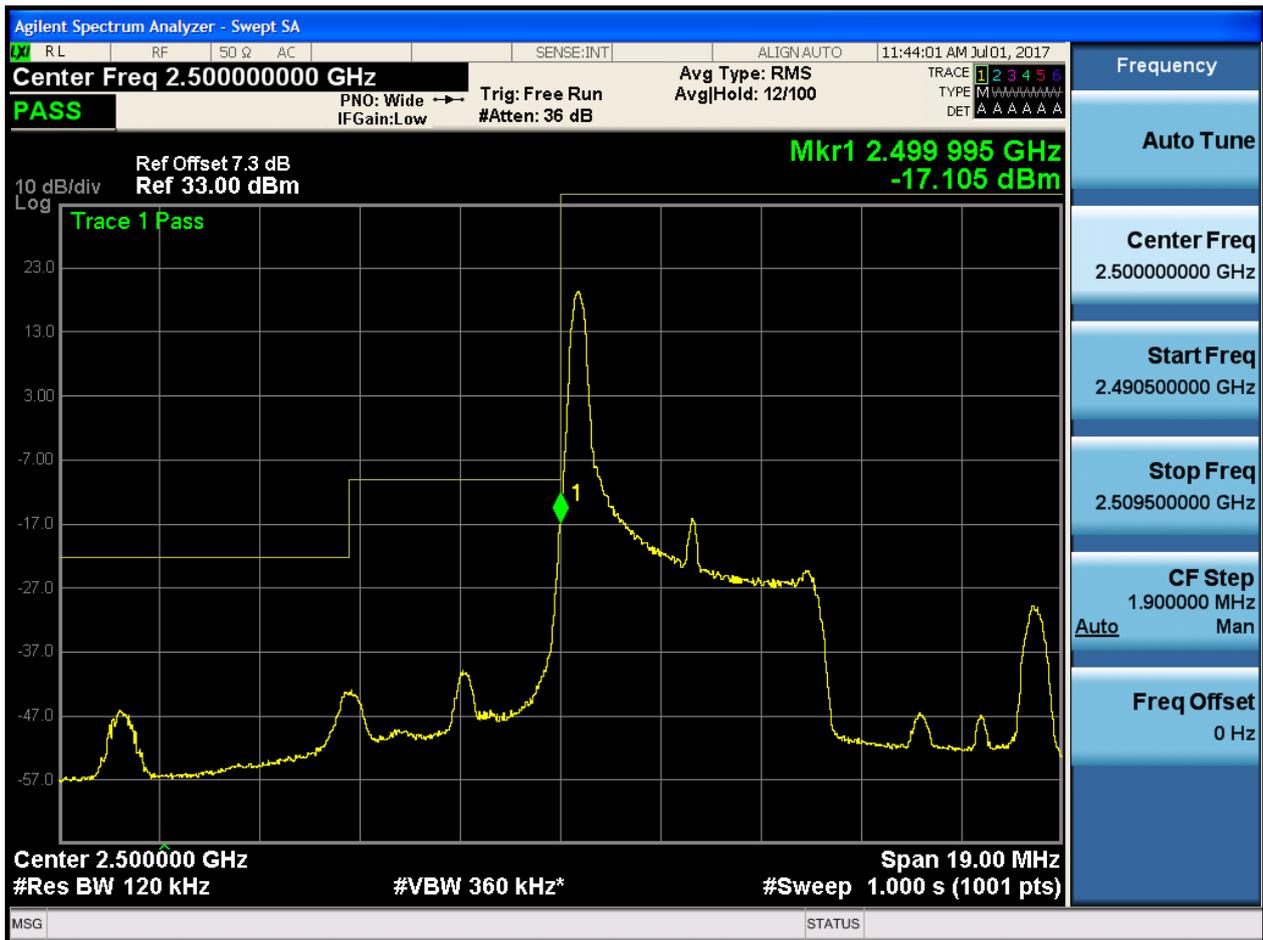
5.1.1.1.1.1.2 Test RB = RB1#24
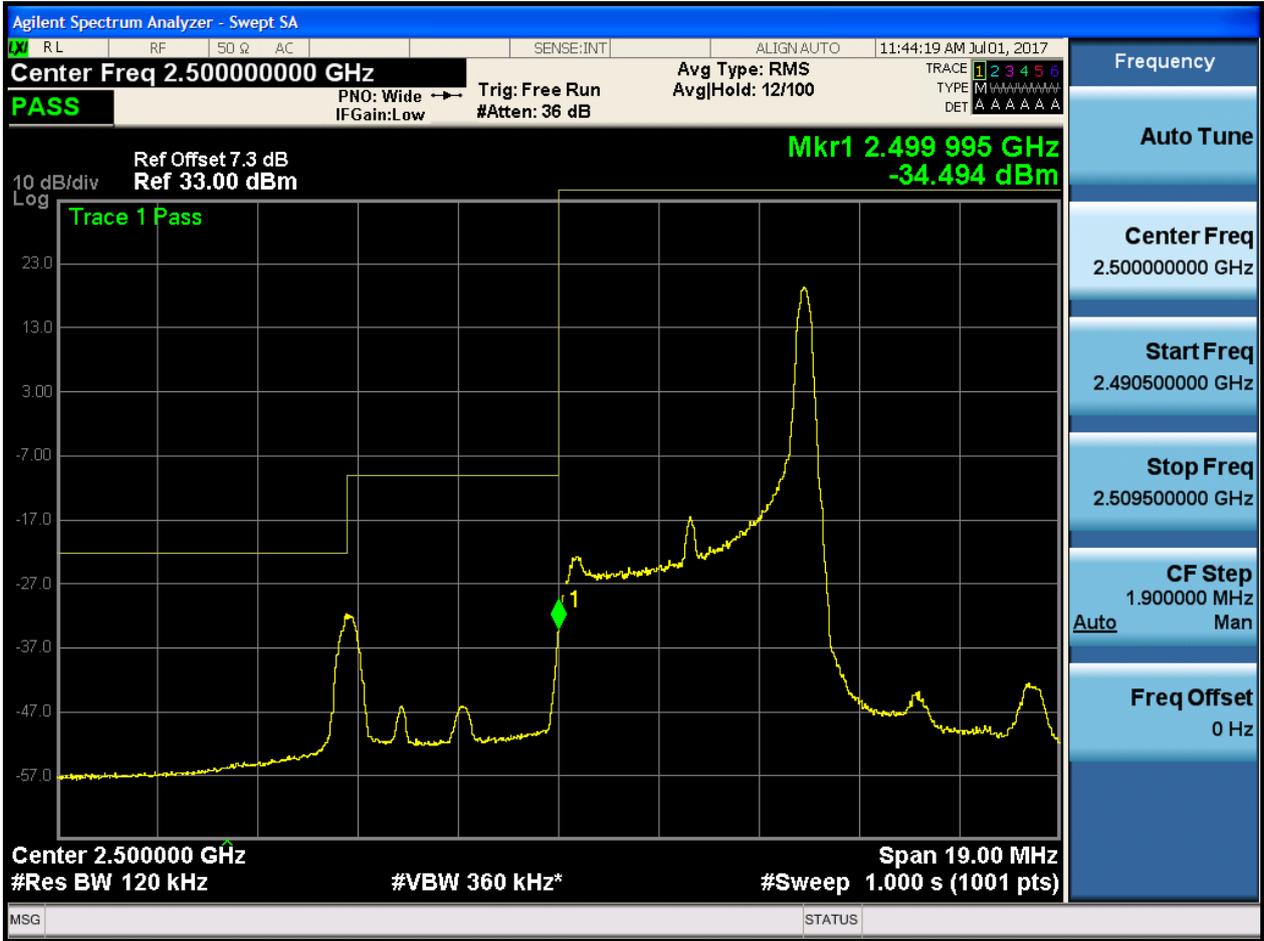
5.1.1.1.1.1.3 Test RB = RB12#6
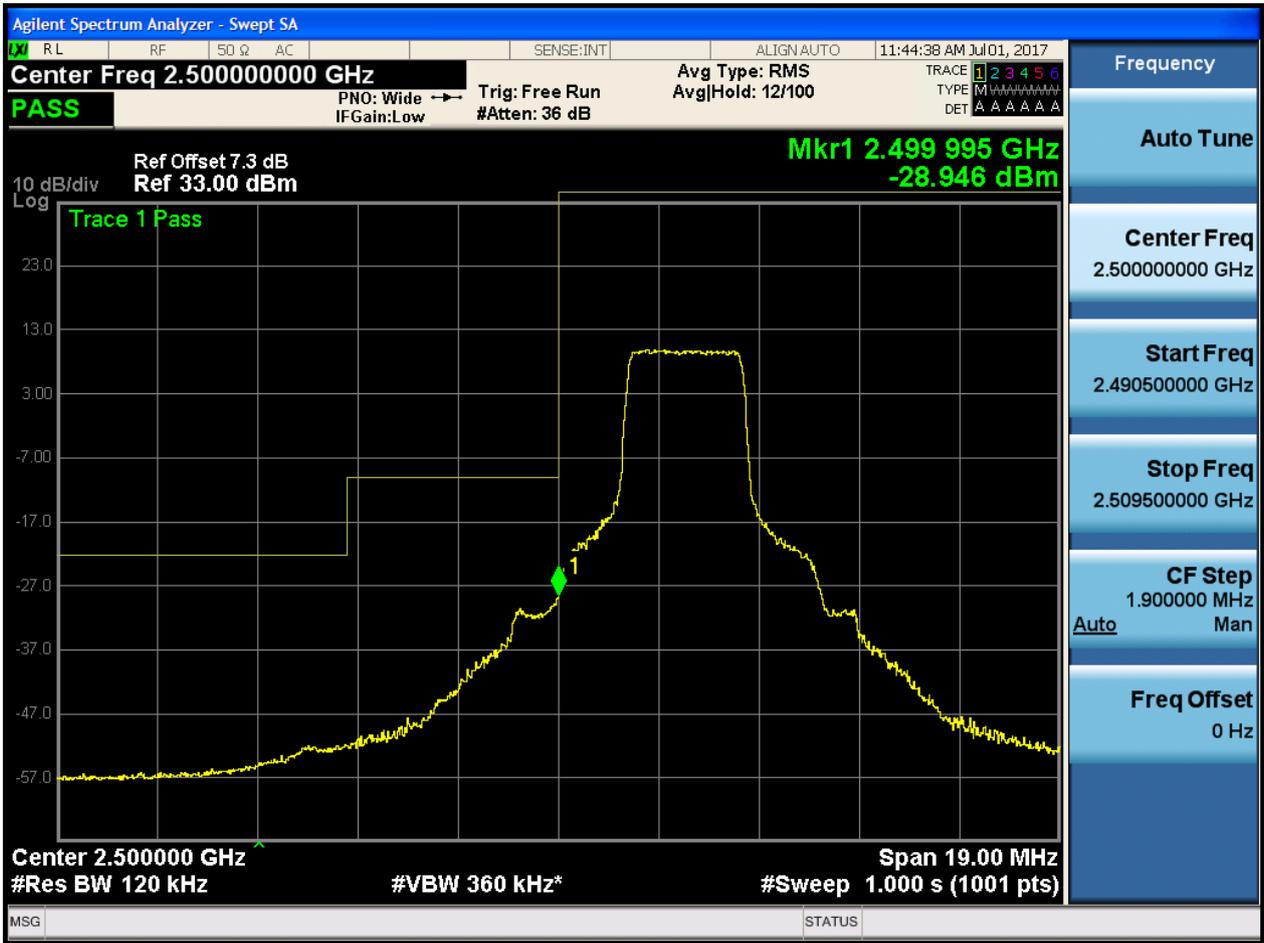
5.1.1.1.1.1.4 Test RB = RB25#0

5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0

5.1.1.1.1.2.2 Test RB = RB1#24

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.
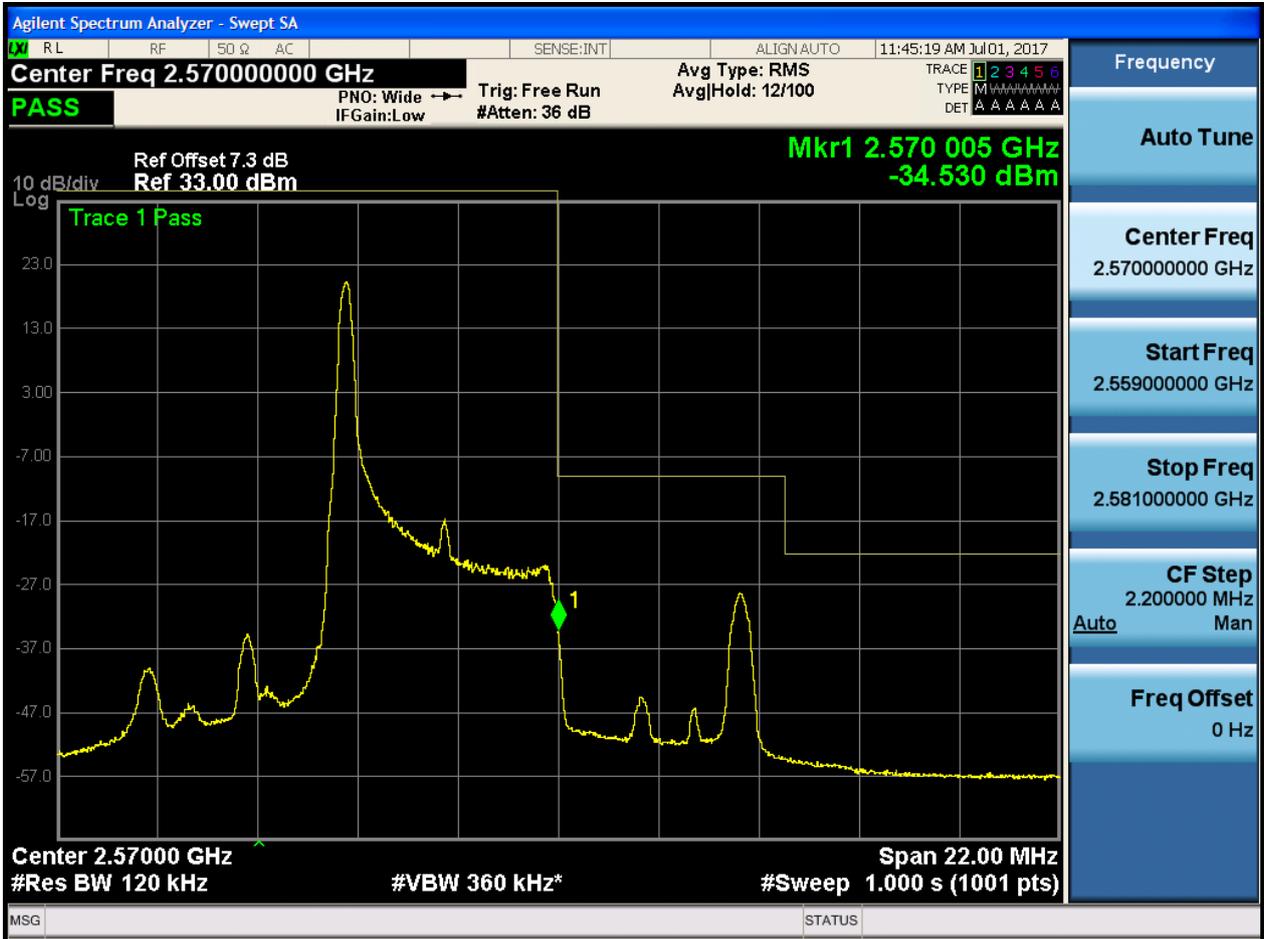
5.1.1.1.1.2.3 Test RB = RB12#6
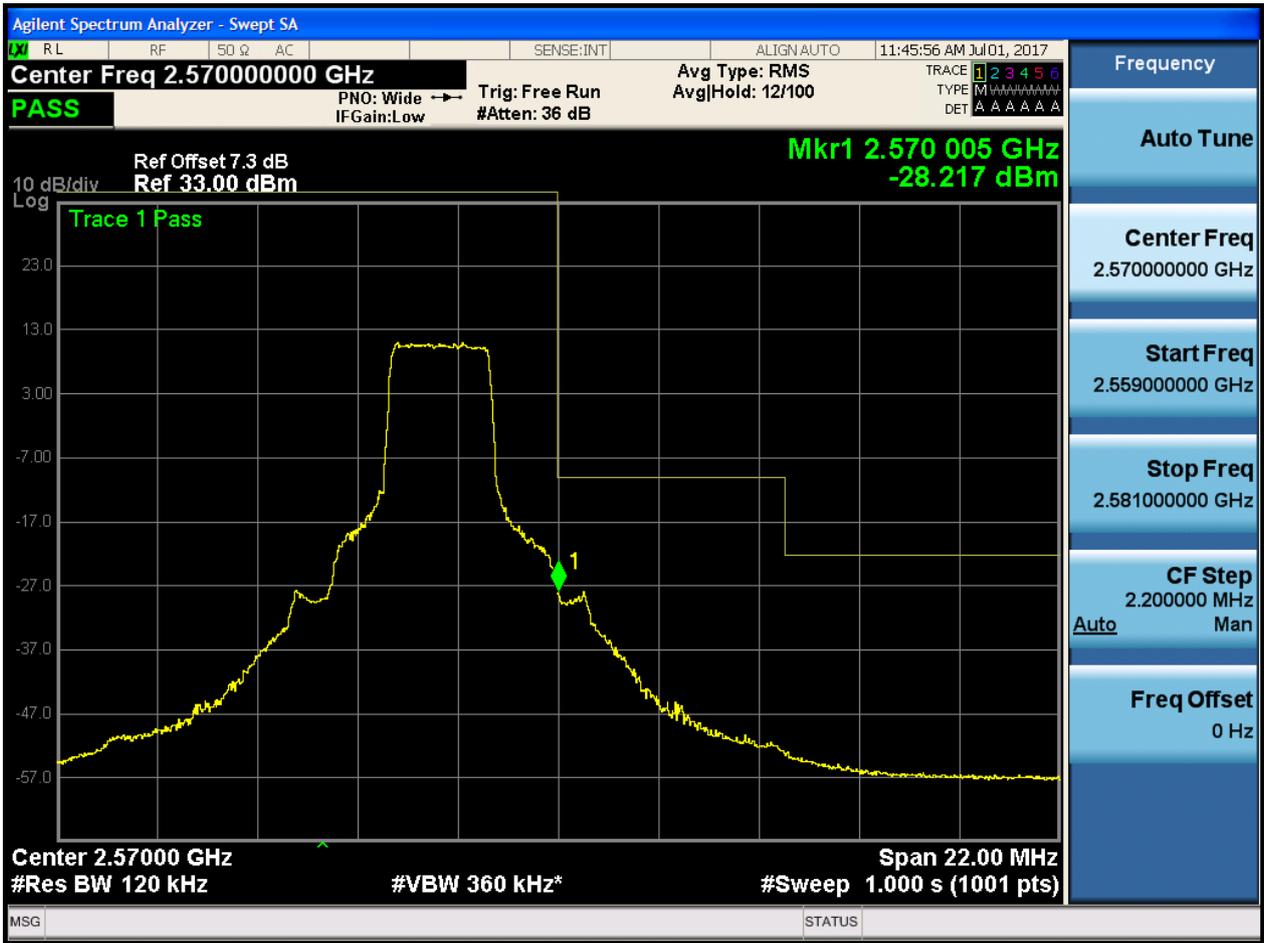
5.1.1.1.1.2.4 Test RB = RB25#0

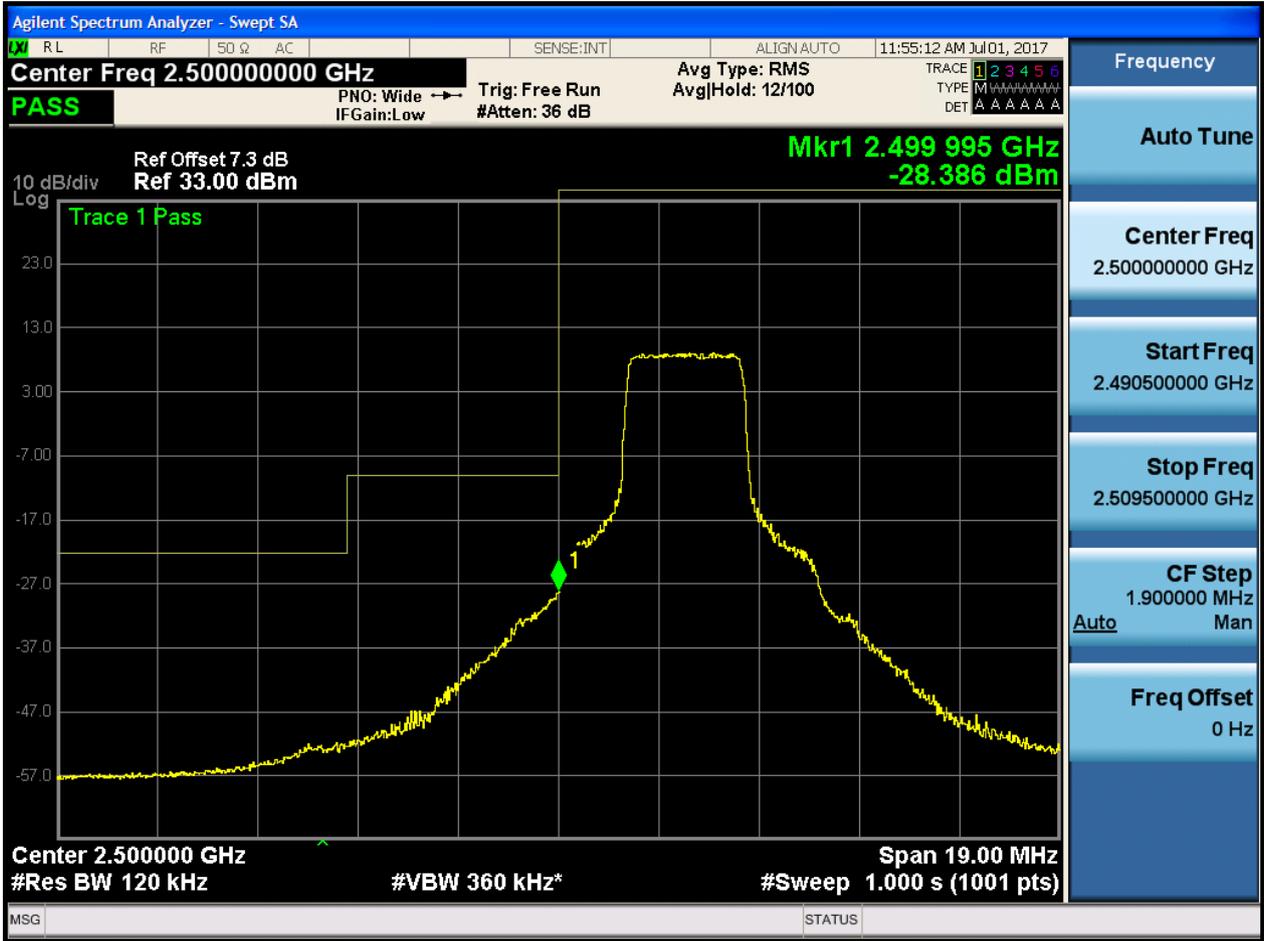### 5.1.1.1.2 Test Bandwidth = 10

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
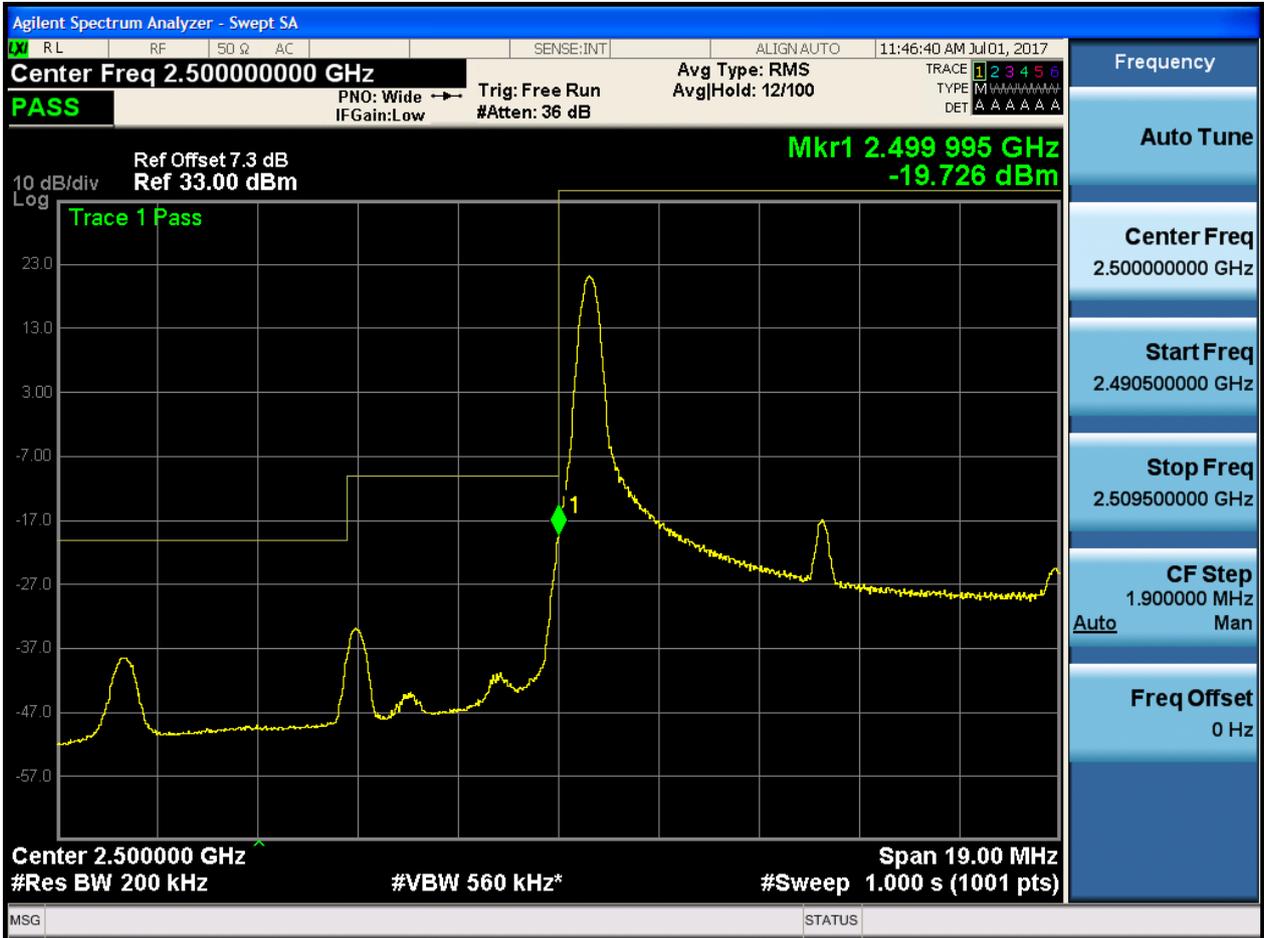
5.1.1.1.2.1.3 Test RB = RB25#13

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
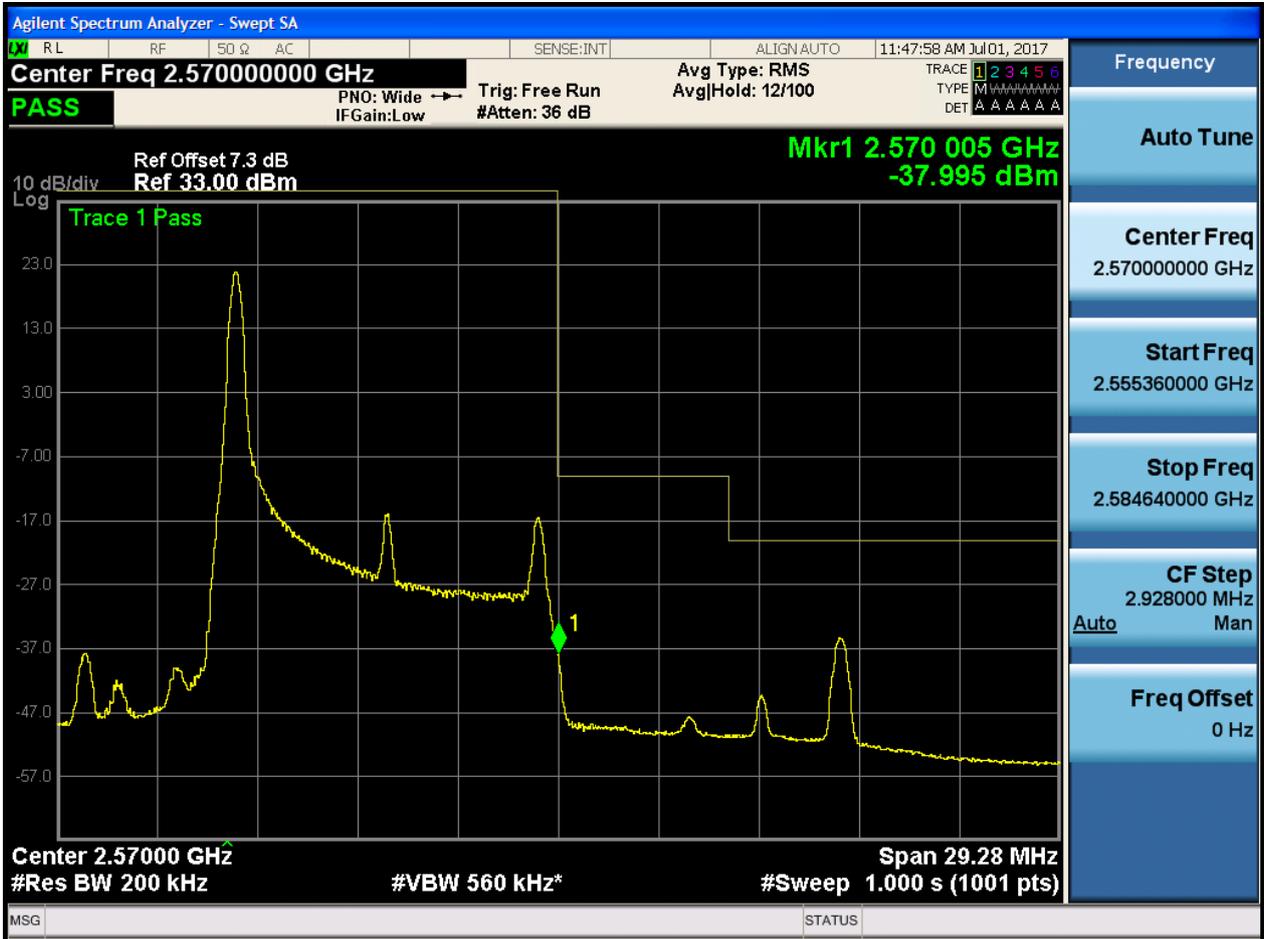
5.1.1.1.2.2.2 Test RB = RB1#49

5.1.1.1.2.2.3 Test RB = RB25#13
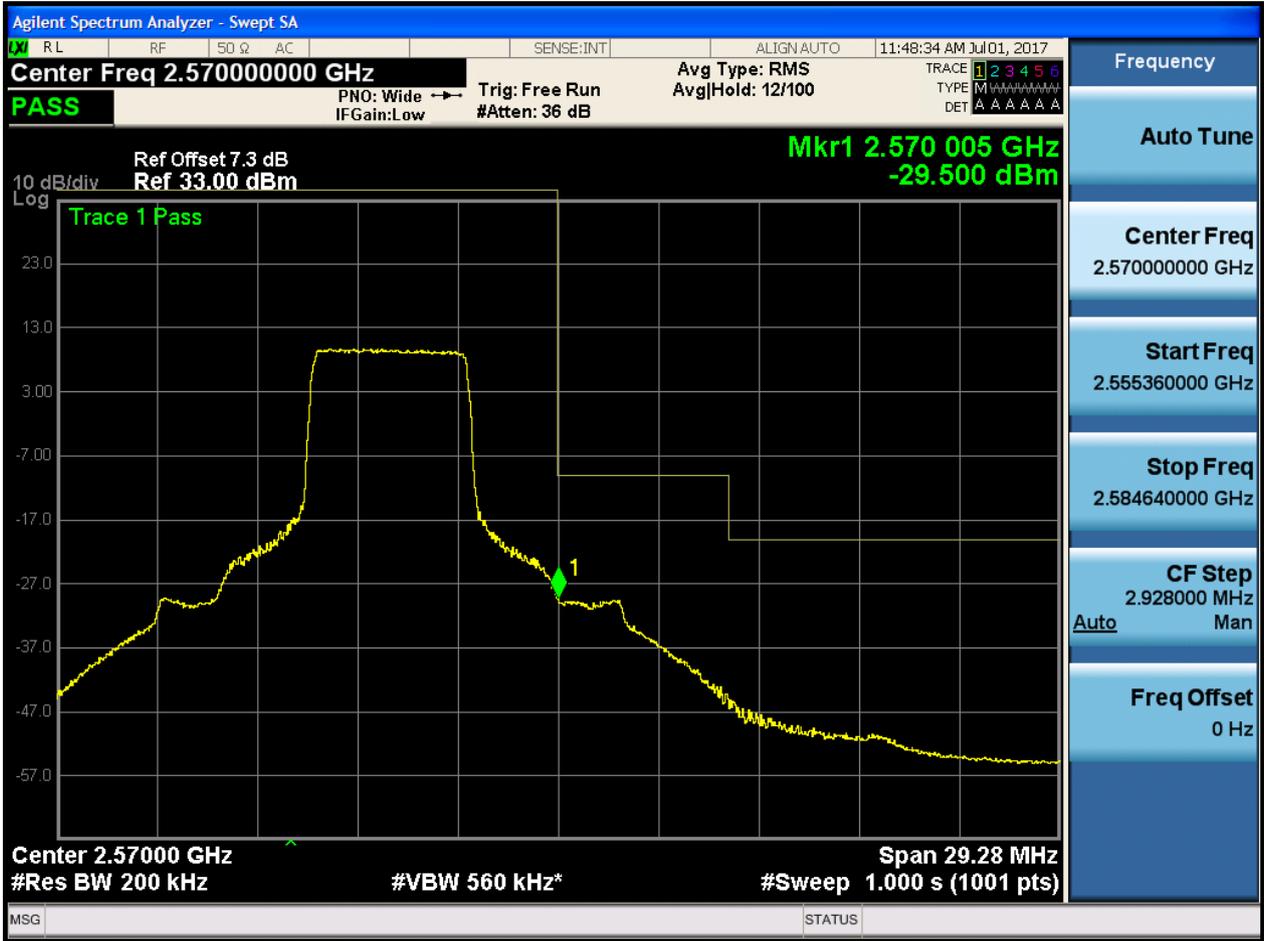
5.1.1.1.2.2.4 Test RB = RB50#0

5.1.1.1.3 Test Bandwidth = 15

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0
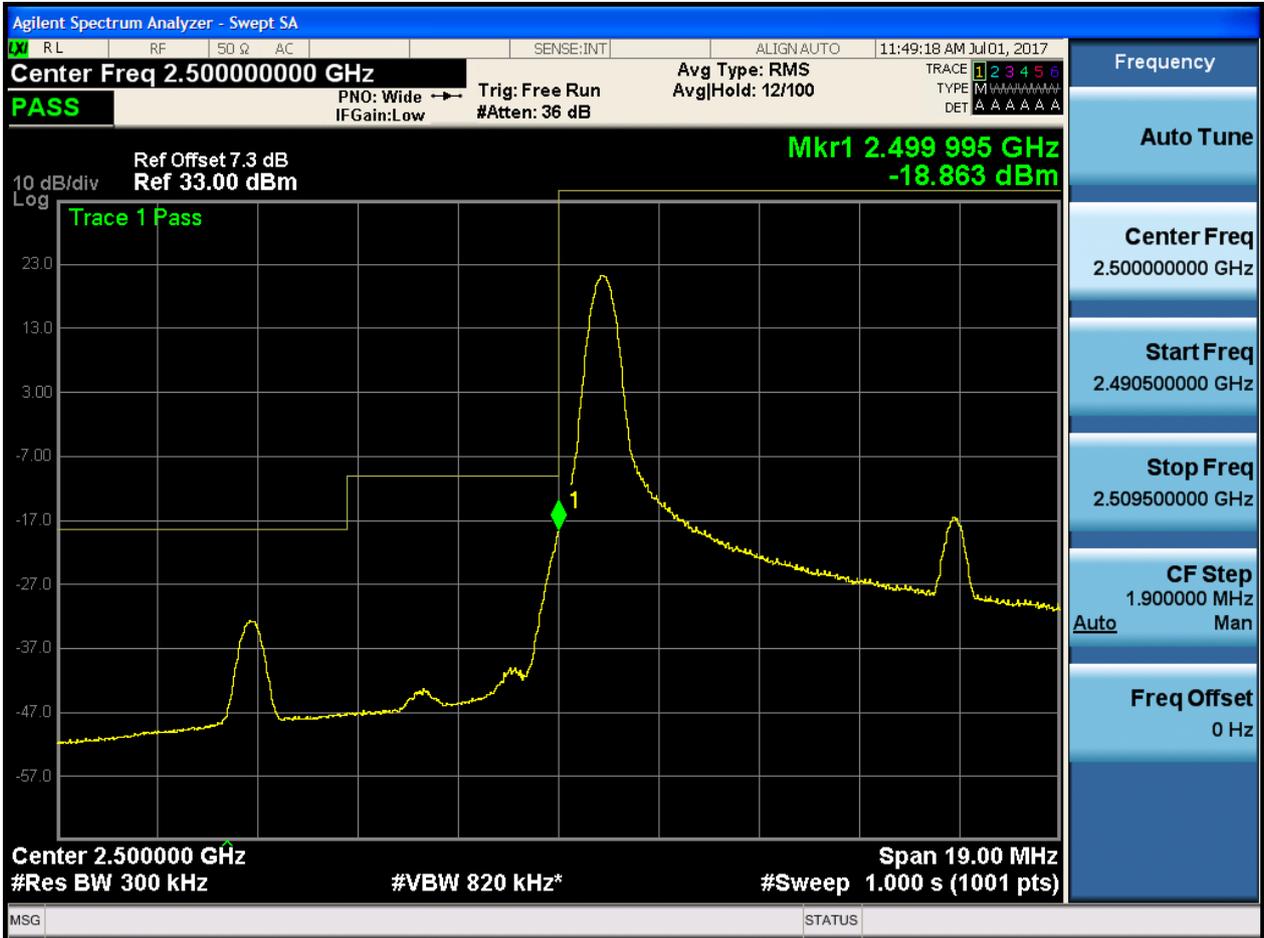
5.1.1.1.3.1.2 Test RB = RB1#74
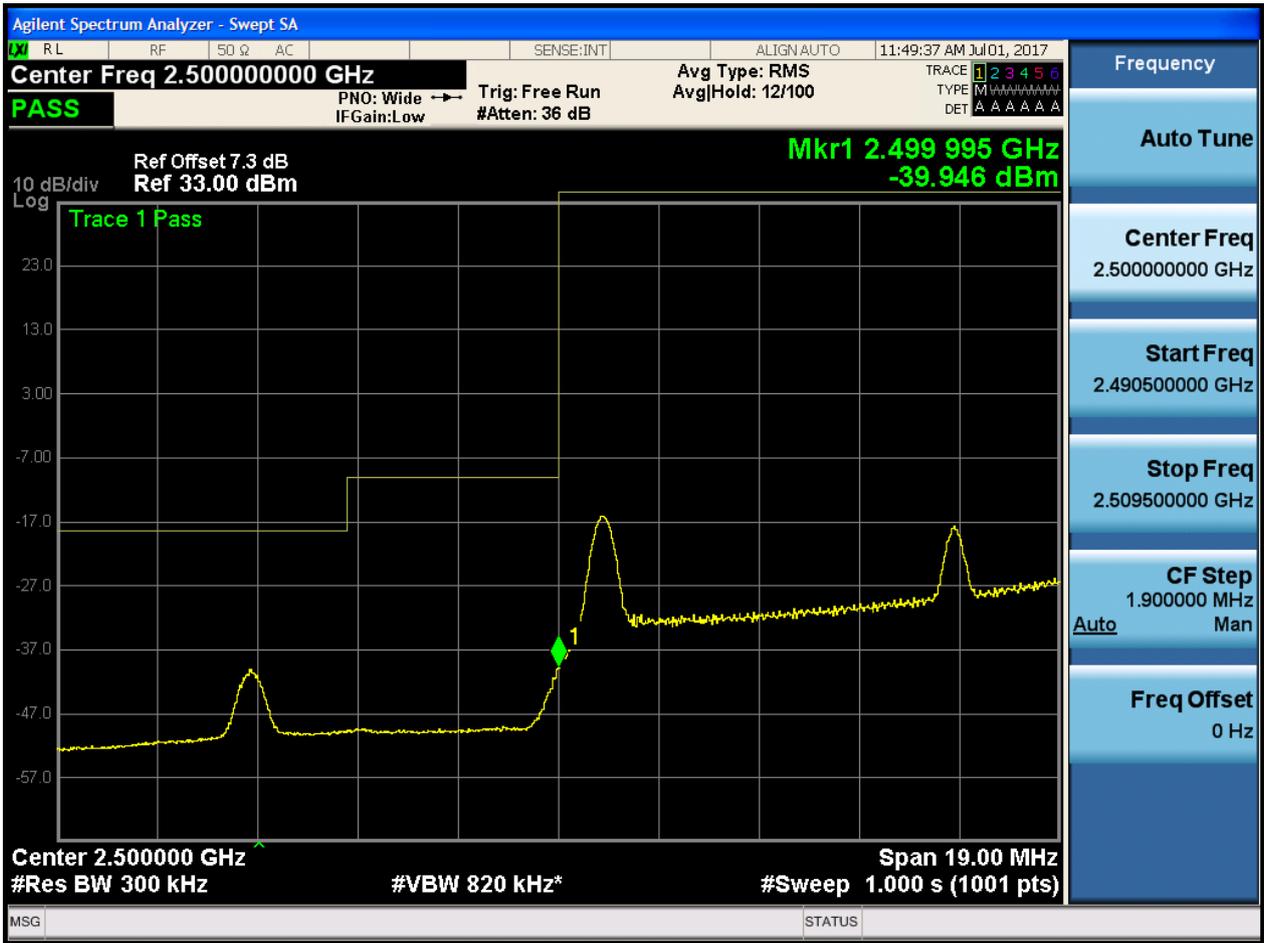
5.1.1.1.3.1.3 Test RB = RB36#18

5.1.1.1.3.1.4 Test RB = RB75#0

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0
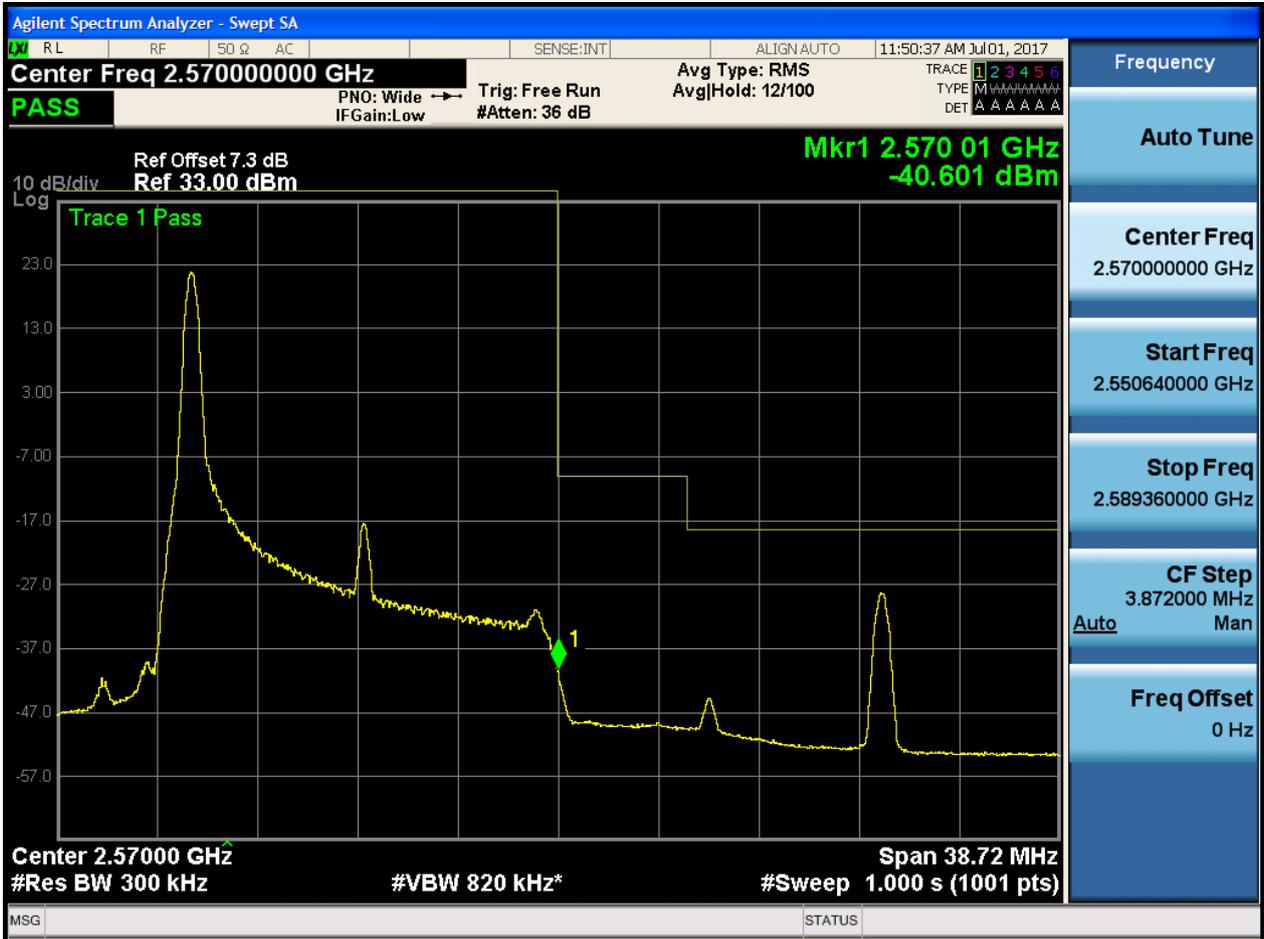
5.1.1.1.3.2.2 Test RB = RB1#74
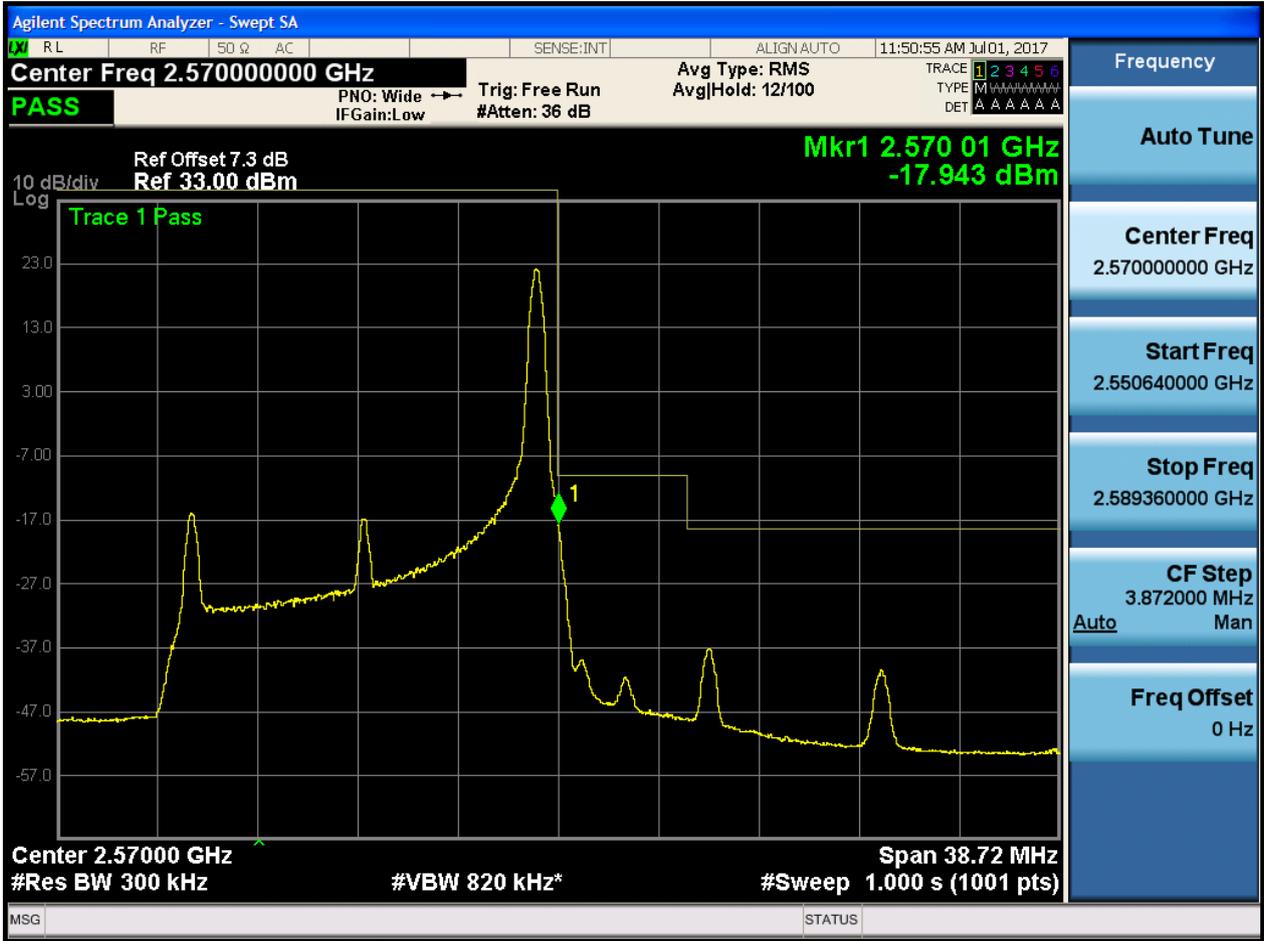
5.1.1.1.3.2.3 Test RB = RB36#18

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
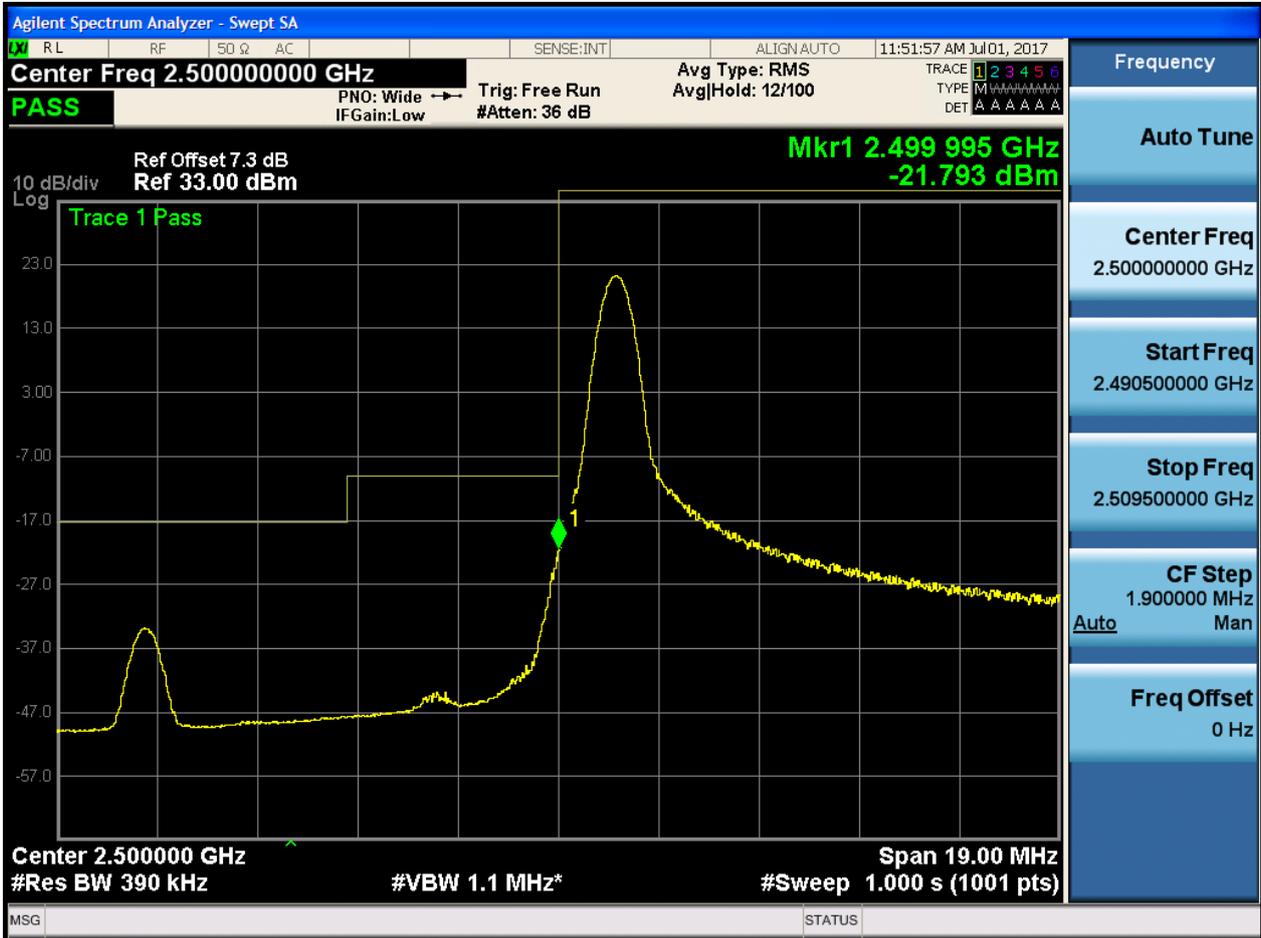
5.1.1.1.4.1.2 Test RB = RB1#99
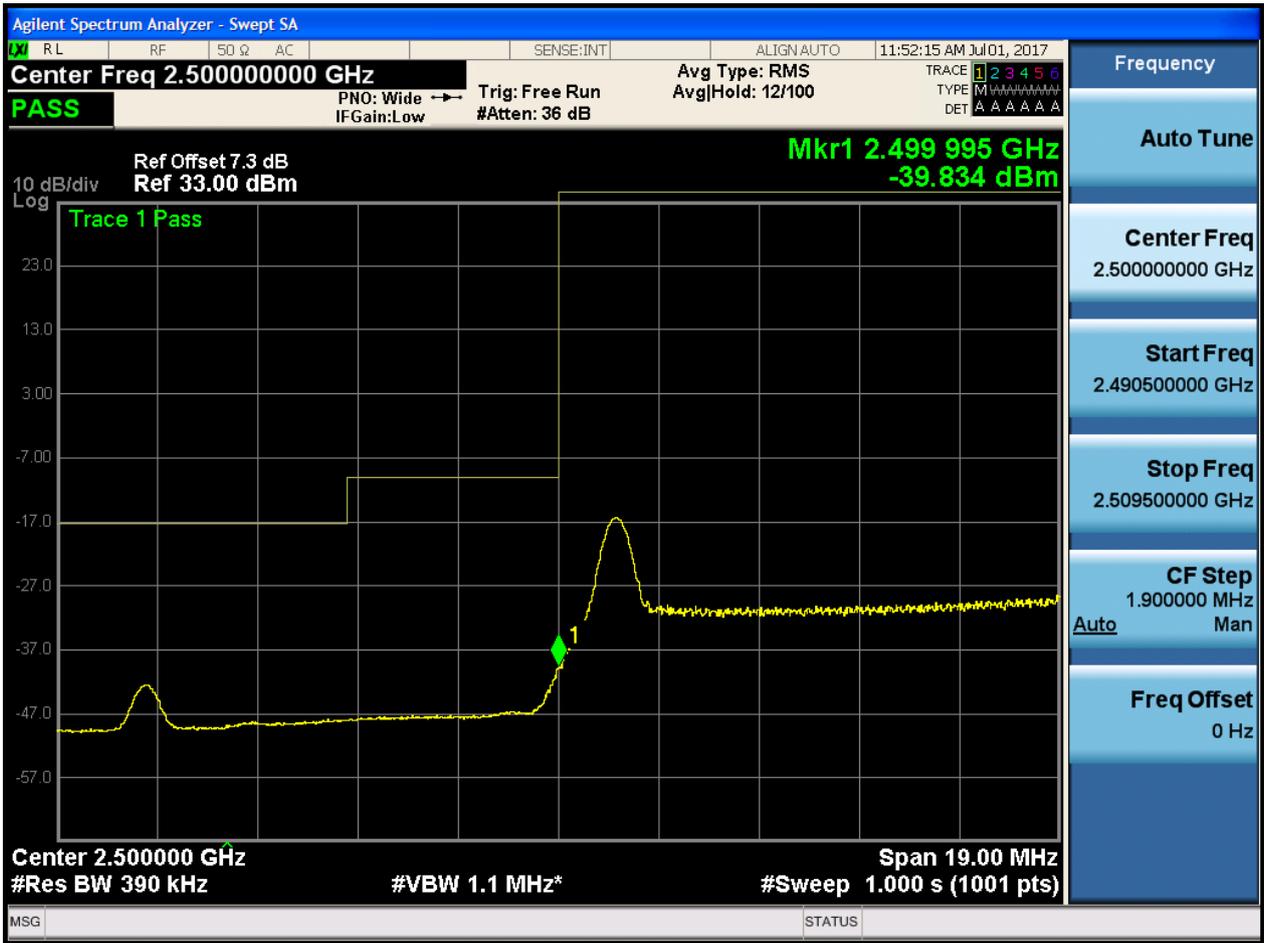
5.1.1.1.4.1.3 Test RB = RB50#25

5.1.1.1.4.1.4 Test RB = RB100#0
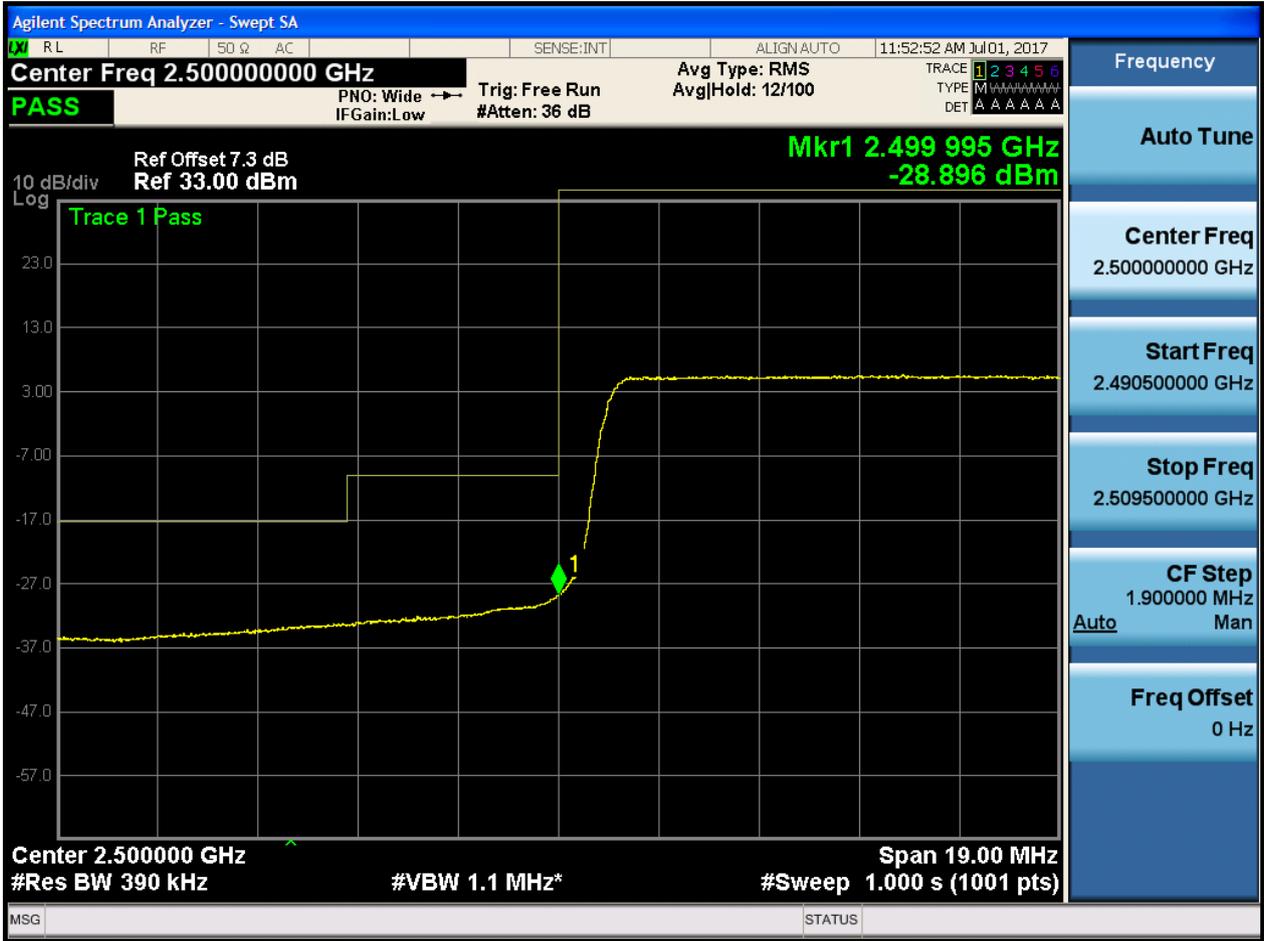
5.1.1.1.4.2 Test Channel = HCH

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
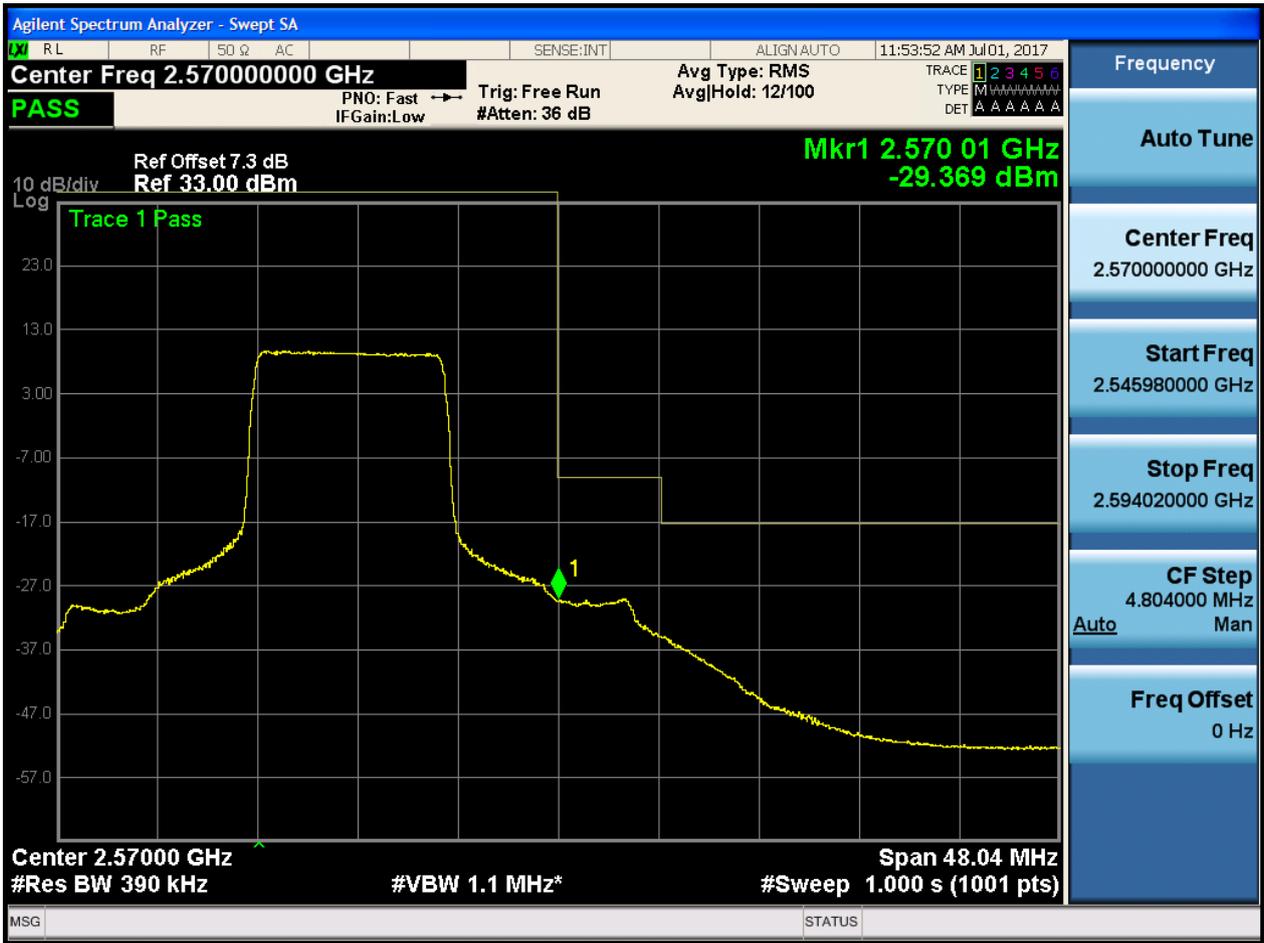
5.1.1.1.4.2.4 Test RB = RB100#0

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

5.1.1.2.1.1.2 Test RB = RB1#24
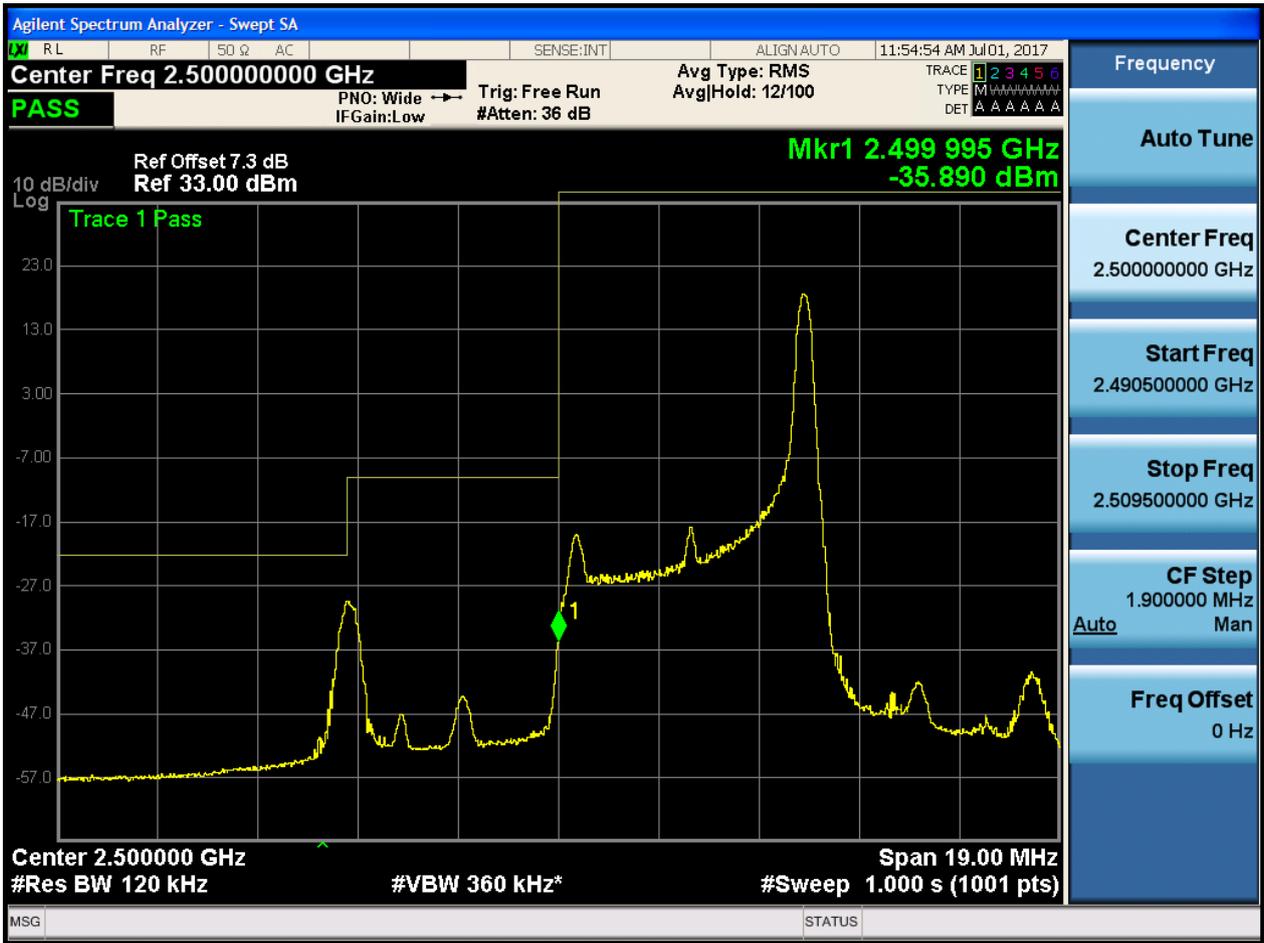
5.1.1.2.1.1.3 Test RB = RB12#6

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
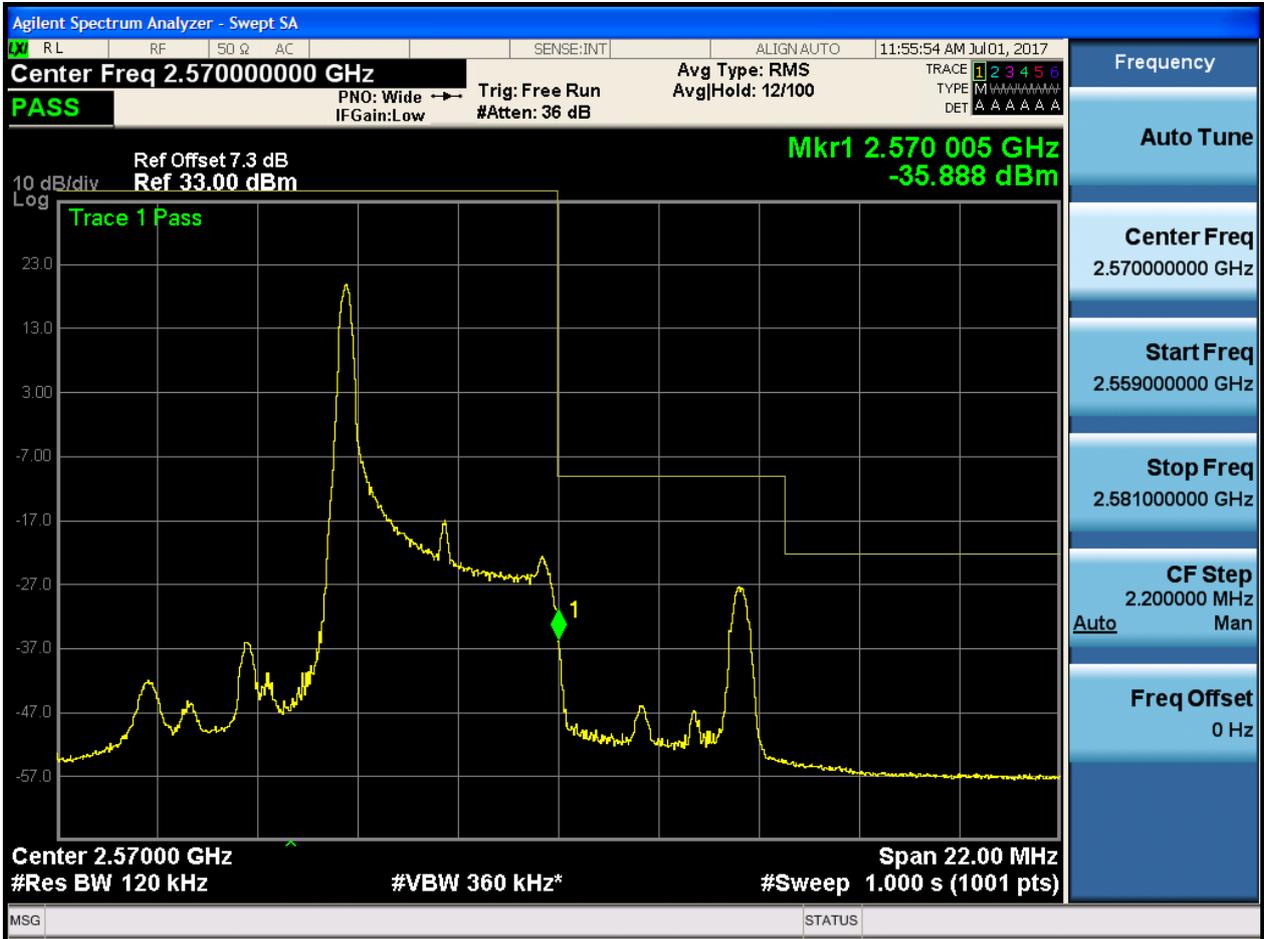
5.1.1.2.1.2.2 Test RB = RB1#24

5.1.1.2.1.2.3 Test RB = RB12#6
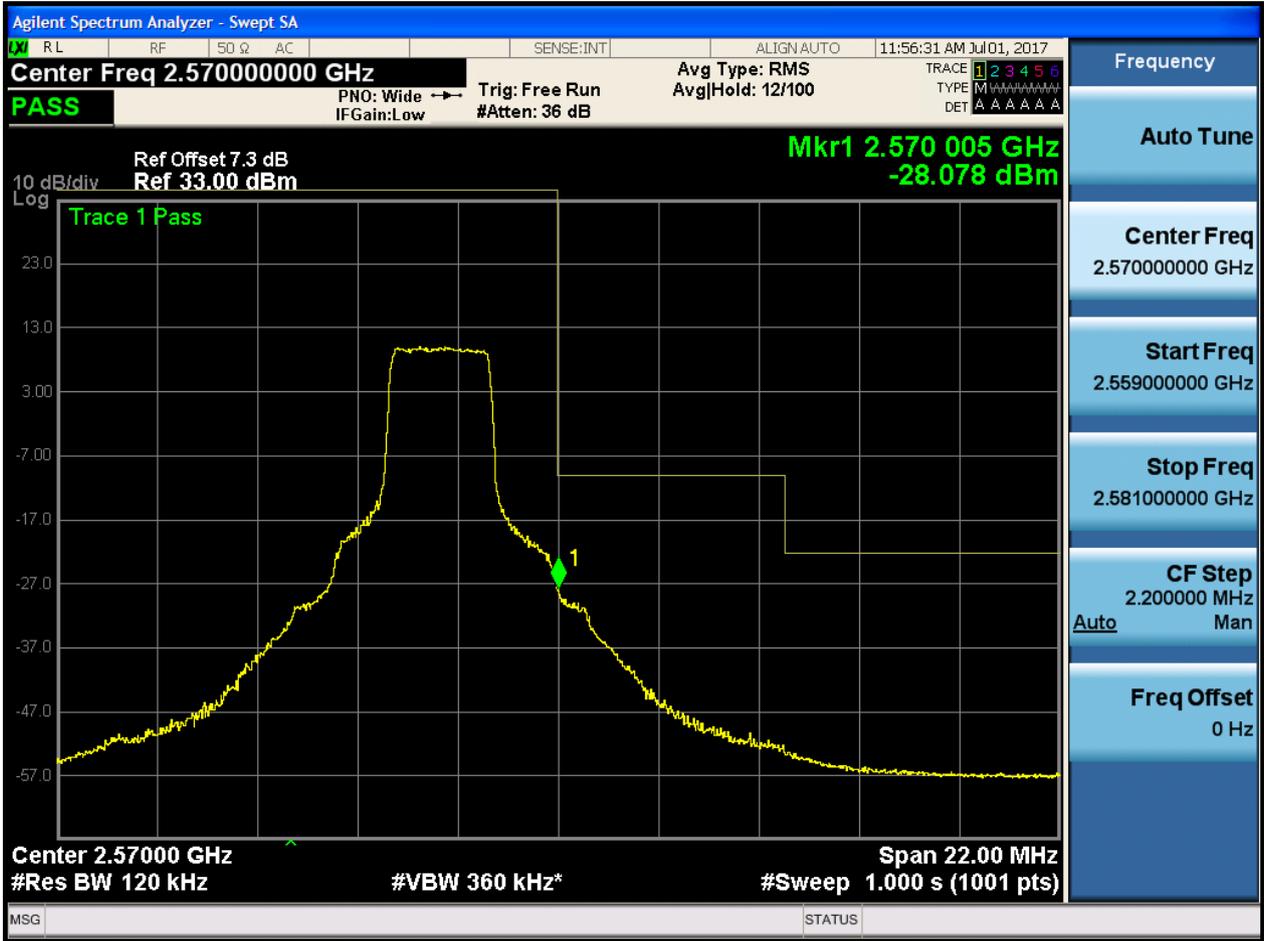
5.1.1.2.1.2.4 Test RB = RB25#0

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
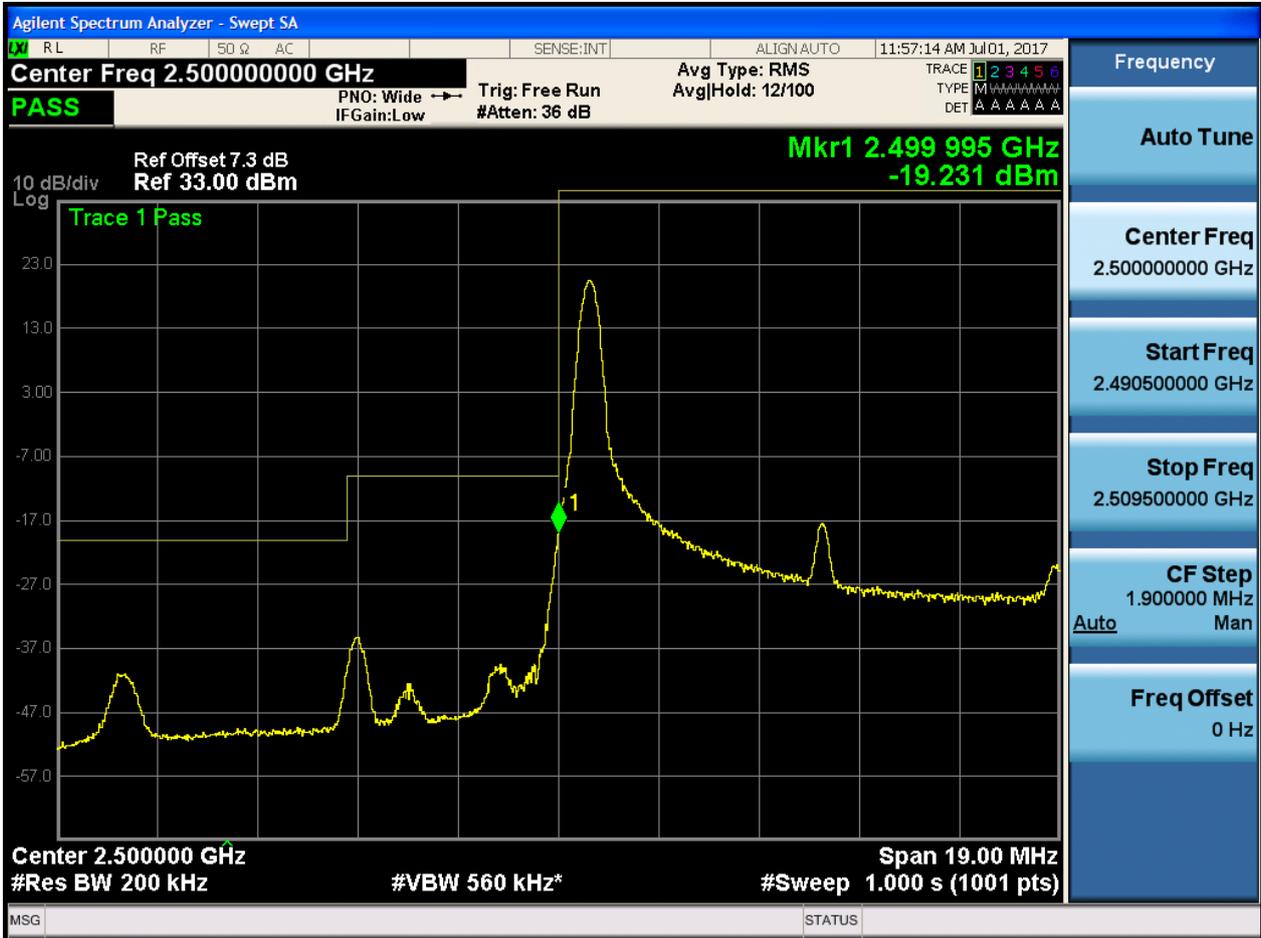
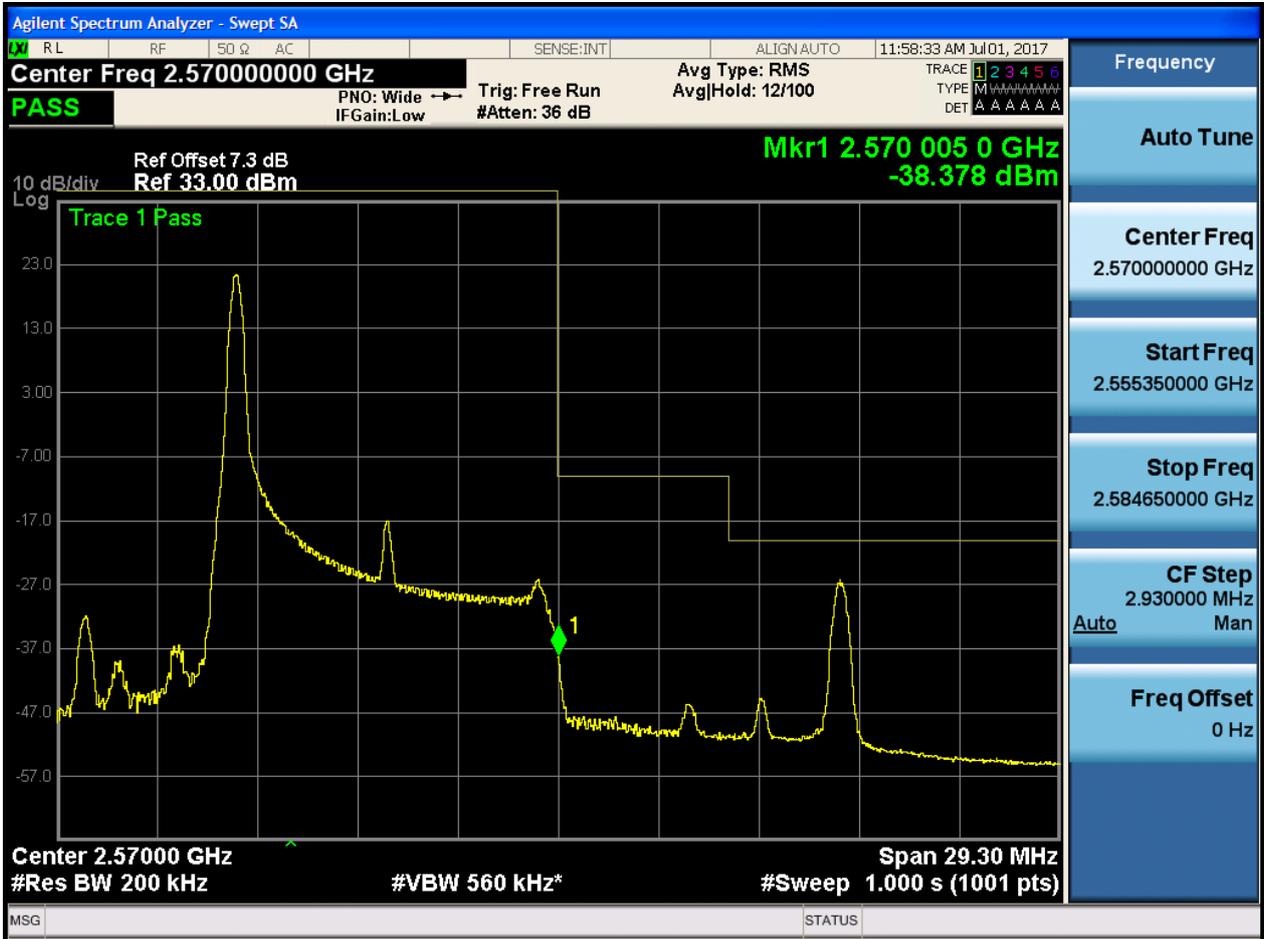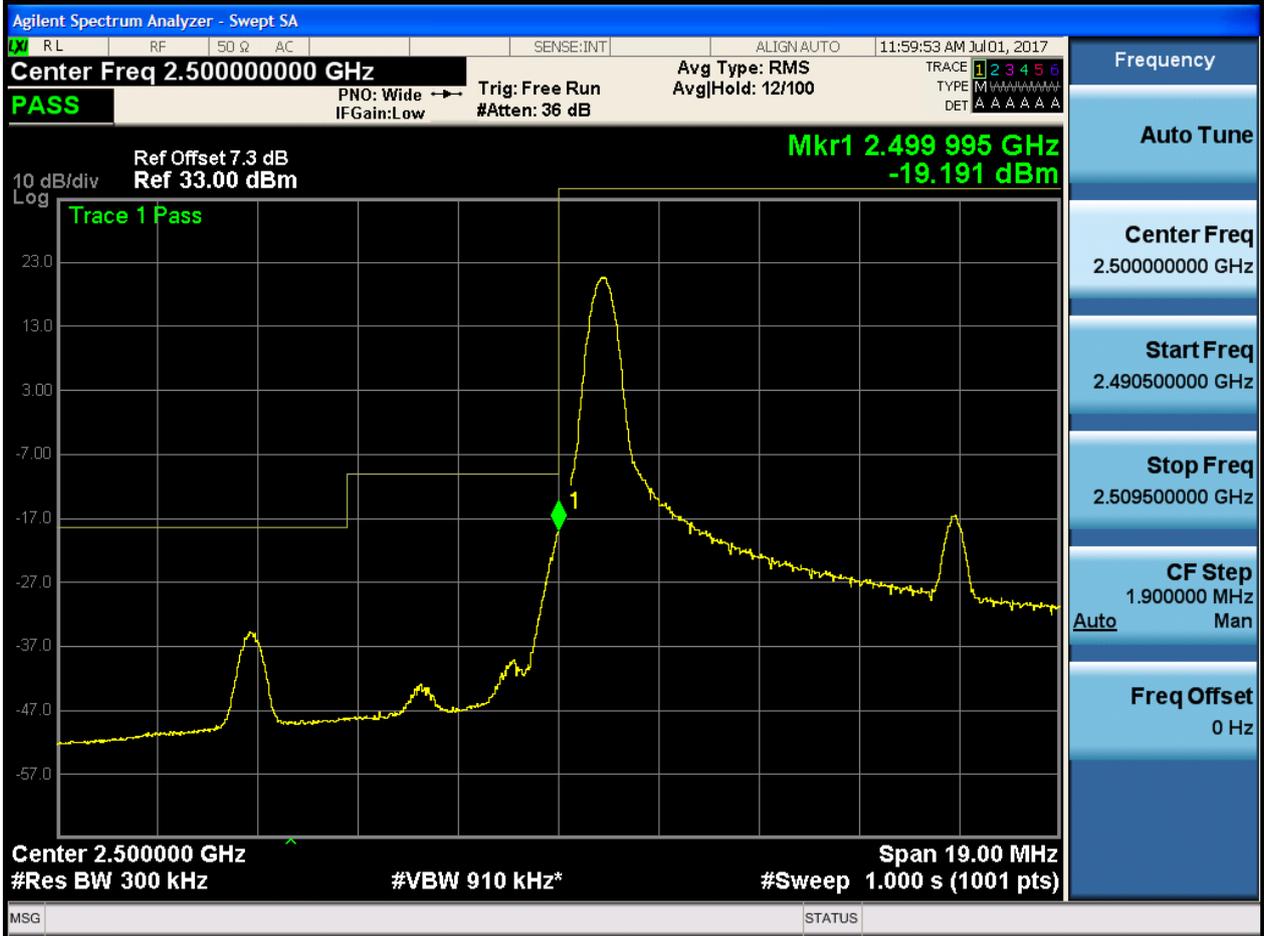## 5.1.1.2.2.1.2 Test RB = RB1#49
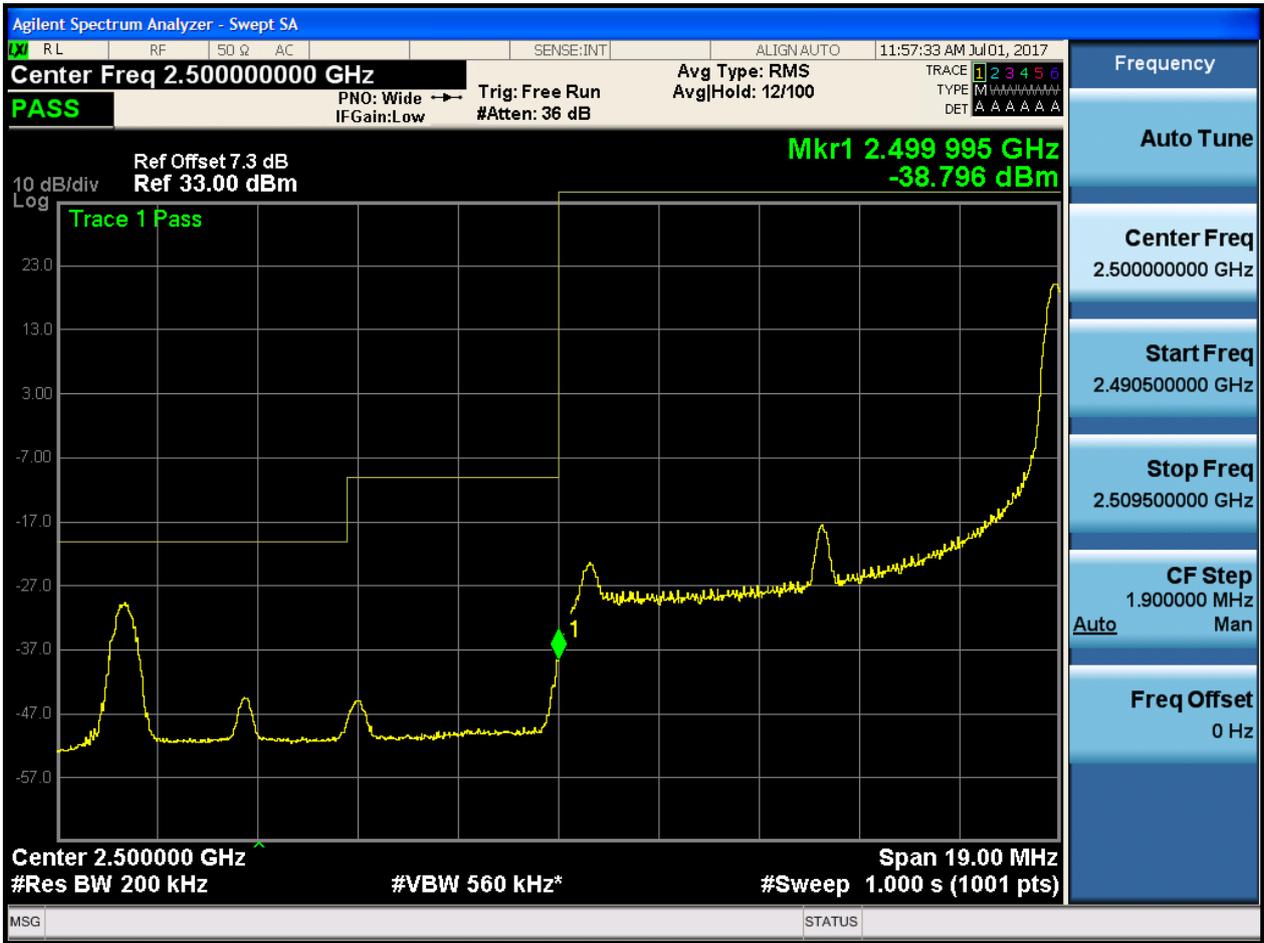
5.1.1.2.2.1.3 Test RB = RB25#13

5.1.1.2.2.1.4 Test RB = RB50#0

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.

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

5.1.1.2.2.2.4 Test RB = RB50#0

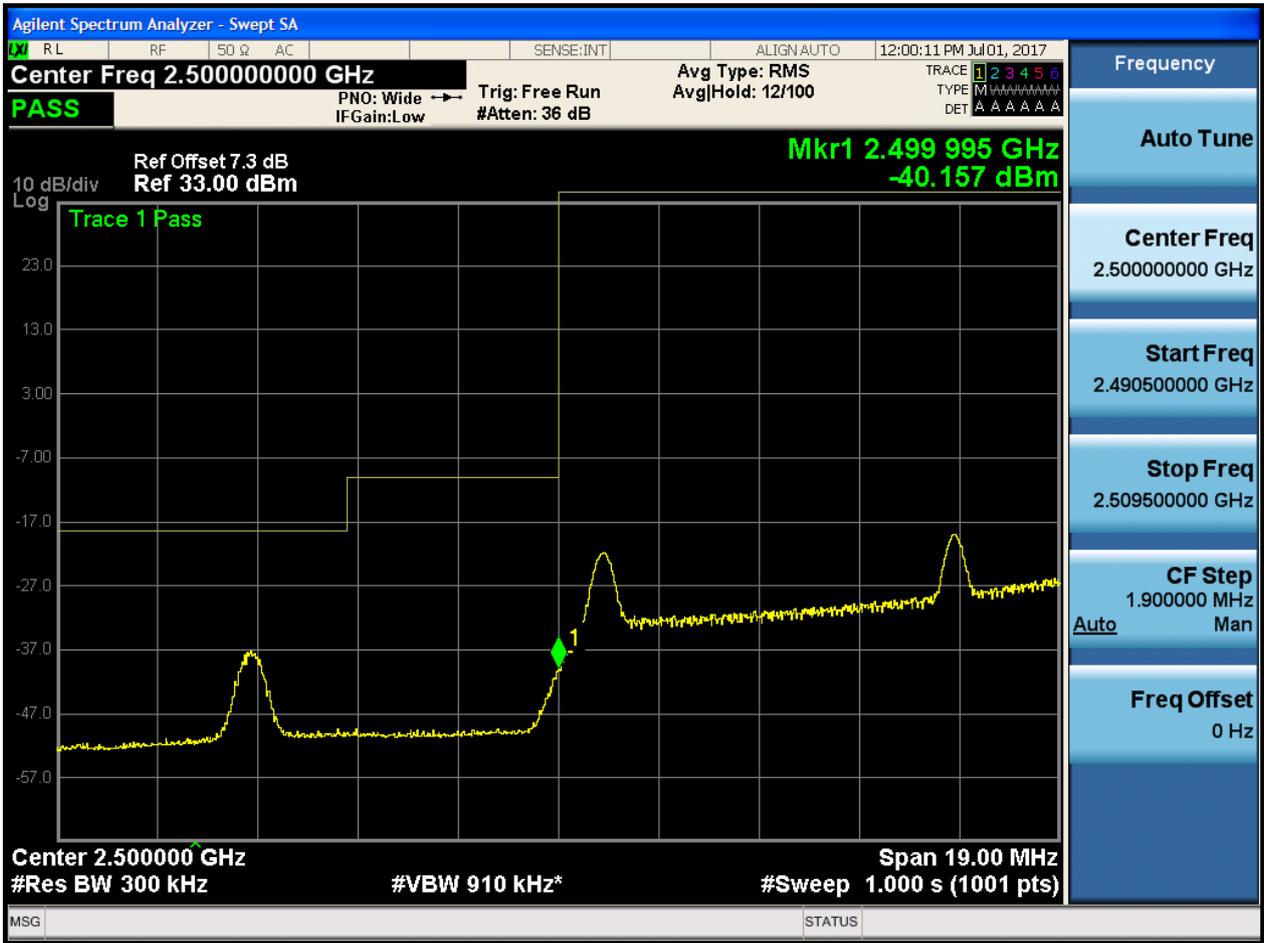### 5.1.1.2.3 Test Bandwidth = 15

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

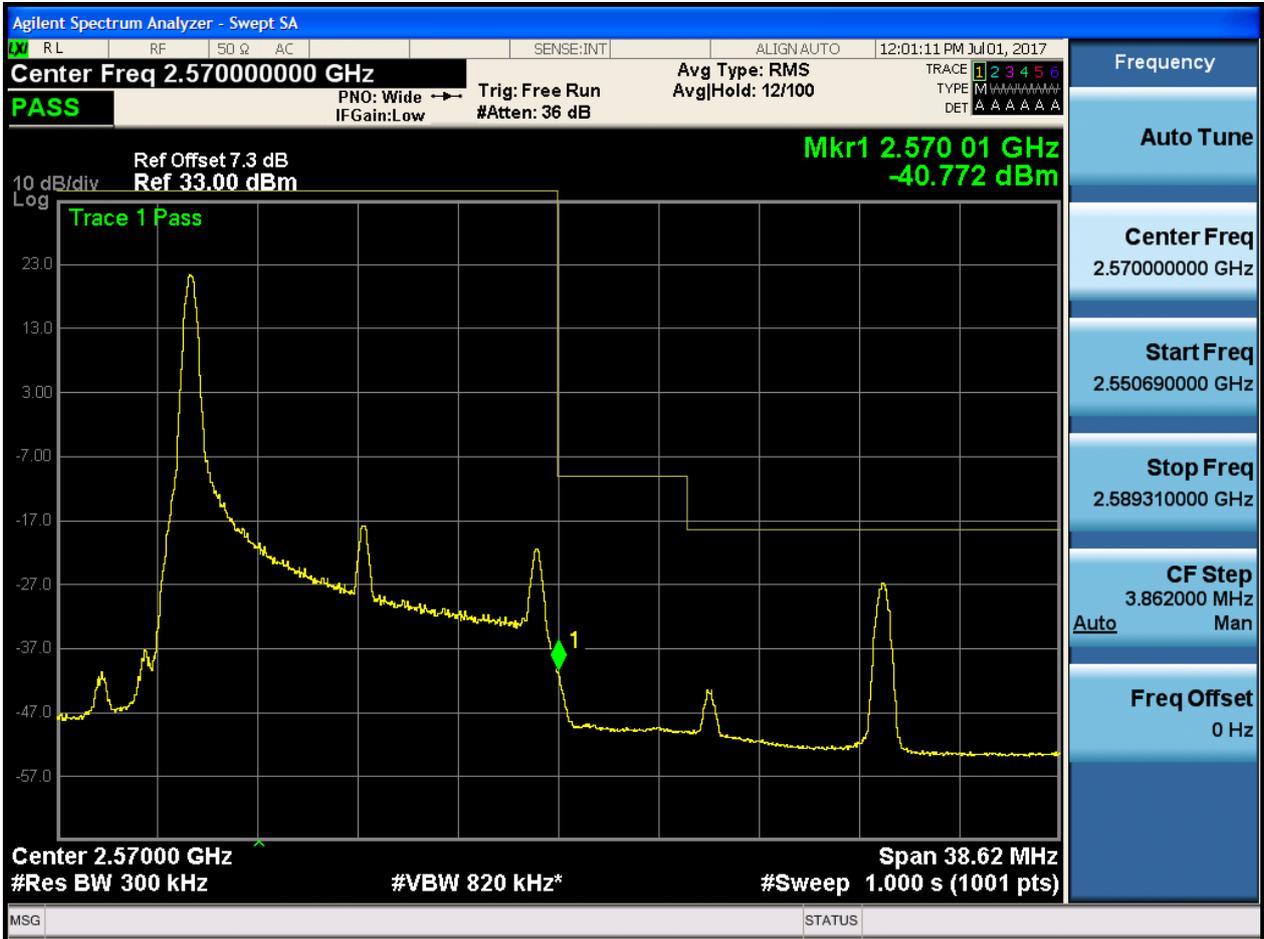## 5.1.1.2.3.1.3 Test RB = RB36#18

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

5.1.1.2.3.2.3 Test RB = RB36#18

5.1.1.2.3.2.4 Test RB = RB75#0