



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
BAND2	LTE/TM1	1.4	LCH	RB1#0	23.42	22.10	33	PASS
				RB1#3	23.18	22.00	33	PASS
				RB1#5	23.43	22.10	33	PASS
				RB3#0	23.35	22.28	33	PASS
				RB3#2	23.12	21.93	33	PASS
				RB3#3	23.28	22.05	33	PASS
				RB6#0	22.06	20.93	33	PASS
			MCH	RB1#0	23.38	22.16	33	PASS
				RB1#3	23.21	22.01	33	PASS
				RB1#5	23.33	22.17	33	PASS
				RB3#0	23.2	21.87	33	PASS
				RB3#2	23.07	21.76	33	PASS
				RB3#3	23.22	22.00	33	PASS
				RB6#0	22.18	20.78	33	PASS
			HCH	RB1#0	23.35	21.99	33	PASS
				RB1#3	23.02	21.95	33	PASS
				RB1#5	23.39	22.03	33	PASS
				RB3#0	23.3	22.01	33	PASS
				RB3#2	23.18	22.06	33	PASS
				RB3#3	23.24	22.12	33	PASS
				RB6#0	22.32	20.96	33	PASS
		3	LCH	RB1#0	23.47	22.07	33	PASS
				RB1#7	23.1	22.04	33	PASS
				RB1#14	23.4	22.24	33	PASS
				RB8#0	22.36	21.13	33	PASS
				RB8#4	22.31	20.94	33	PASS
				RB8#7	22.4	21.37	33	PASS
				RB15#0	22.37	21.17	33	PASS
			MCH	RB1#0	23.37	21.98	33	PASS
				RB1#7	22.94	21.69	33	PASS
				RB1#14	23.31	21.92	33	PASS
				RB8#0	22.26	21.21	33	PASS
				RB8#4	22.18	20.90	33	PASS
				RB8#7	22.32	21.10	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	22.31	21.06	33	PASS
			HCH	RB1#0	23.36	22.30	33	PASS
				RB1#7	22.86	21.79	33	PASS
				RB1#14	23.44	22.10	33	PASS
				RB8#0	22.29	21.01	33	PASS
				RB8#4	22.32	21.06	33	PASS
				RB8#7	22.31	21.28	33	PASS
				RB15#0	22.38	21.01	33	PASS
		5	LCH	RB1#0	23.45	22.43	33	PASS
				RB1#13	23.42	22.30	33	PASS
				RB1#24	23.36	22.14	33	PASS
				RB12#0	22.42	21.34	33	PASS
				RB12#6	22.38	21.10	33	PASS
				RB12#13	22.43	21.04	33	PASS
				RB25#0	22.39	21.35	33	PASS
			MCH	RB1#0	23.3	22.16	33	PASS
				RB1#13	23.29	22.18	33	PASS
				RB1#24	23.28	21.91	33	PASS
				RB12#0	22.37	21.18	33	PASS
				RB12#6	22.3	21.14	33	PASS
				RB12#13	22.34	21.13	33	PASS
				RB25#0	22.28	21.05	33	PASS
			HCH	RB1#0	23.4	22.25	33	PASS
				RB1#13	23.43	22.26	33	PASS
				RB1#24	23.47	22.33	33	PASS
				RB12#0	22.42	21.04	33	PASS
				RB12#6	22.36	21.31	33	PASS
				RB12#13	22.48	21.23	33	PASS
				RB25#0	22.37	21.34	33	PASS
		10	LCH	RB1#0	23.36	22.11	33	PASS
				RB1#25	23.17	21.98	33	PASS
				RB1#49	23.43	22.30	33	PASS
				RB25#0	22.37	21.02	33	PASS
				RB25#13	22.33	21.05	33	PASS
				RB25#25	22.32	21.09	33	PASS
				RB50#0	22.37	21.14	33	PASS
			MCH	RB1#0	23.33	22.22	33	PASS
				RB1#25	23.01	21.89	33	PASS
				RB1#49	23.31	22.15	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.32	20.92	33	PASS
				RB25#13	22.26	21.25	33	PASS
				RB25#25	22.25	20.91	33	PASS
				RB50#0	22.27	20.91	33	PASS
			HCH	RB1#0	23.23	21.89	33	PASS
				RB1#25	23.15	21.91	33	PASS
				RB1#49	23.22	21.93	33	PASS
				RB25#0	22.3	20.99	33	PASS
				RB25#13	22.3	21.13	33	PASS
				RB25#25	22.28	21.02	33	PASS
				RB50#0	22.32	21.04	33	PASS
		15	LCH	RB1#0	23.26	21.96	33	PASS
				RB1#38	23.38	22.19	33	PASS
				RB1#74	23.28	22.03	33	PASS
				RB38#0	22.31	21.14	33	PASS
				RB38#19	22.41	21.15	33	PASS
				RB38#39	22.36	21.25	33	PASS
				RB75#0	22.29	21.11	33	PASS
			MCH	RB1#0	23.1	22.03	33	PASS
				RB1#38	23.21	22.00	33	PASS
				RB1#74	23.13	21.83	33	PASS
				RB38#0	22.29	21.21	33	PASS
				RB38#19	22.24	20.87	33	PASS
				RB38#39	22.32	21.25	33	PASS
				RB75#0	22.28	21.20	33	PASS
			HCH	RB1#0	23.26	21.98	33	PASS
				RB1#38	23.41	22.02	33	PASS
				RB1#74	23.25	22.11	33	PASS
				RB38#0	22.29	21.05	33	PASS
				RB38#19	22.36	21.13	33	PASS
				RB38#39	22.37	21.03	33	PASS
				RB75#0	22.3	21.27	33	PASS
		20	LCH	RB1#0	23.4	22.39	33	PASS
				RB1#50	23.22	21.85	33	PASS
				RB1#99	23.42	22.30	33	PASS
				RB50#0	22.31	21.05	33	PASS
				RB50#25	22.35	21.20	33	PASS
				RB50#50	22.41	21.12	33	PASS
				RB100#0	22.4	21.03	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	23.32	22.25	33	PASS
				RB1#50	23.12	22.11	33	PASS
				RB1#99	23.35	22.12	33	PASS
				RB50#0	22.27	21.11	33	PASS
				RB50#25	22.21	20.91	33	PASS
				RB50#50	22.31	21.12	33	PASS
				RB100#0	22.29	21.24	33	PASS
			HCH	RB1#0	23.37	22.12	33	PASS
				RB1#50	23.09	21.69	33	PASS
				RB1#99	23.43	22.42	33	PASS
				RB50#0	22.27	21.23	33	PASS
				RB50#25	22.32	21.20	33	PASS
				RB50#50	22.32	21.27	33	PASS
				RB100#0	22.27	20.99	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.44	21.38	33	PASS
				RB1#3	22.19	20.99	33	PASS
				RB1#5	22.44	21.38	33	PASS
				RB3#0	22.44	21.22	33	PASS
				RB3#2	22.45	21.28	33	PASS
				RB3#3	22.32	21.16	33	PASS
				RB6#0	21.2	20.16	33	PASS
			MCH	RB1#0	22.52	21.47	33	PASS
				RB1#3	22.18	21.12	33	PASS
				RB1#5	22.59	21.25	33	PASS
				RB3#0	22.16	20.98	33	PASS
				RB3#2	22.16	20.85	33	PASS
				RB3#3	22.12	21.00	33	PASS
				RB6#0	21.2	20.05	33	PASS
			HCH	RB1#0	22.45	21.22	33	PASS
				RB1#3	22.14	20.81	33	PASS
				RB1#5	22.57	21.39	33	PASS
				RB3#0	22.44	21.11	33	PASS
				RB3#2	22.35	21.17	33	PASS
				RB3#3	22.24	21.04	33	PASS
				RB6#0	21.31	20.30	33	PASS
		3	LCH	RB1#0	22.66	21.38	33	PASS
				RB1#7	22.47	21.44	33	PASS
				RB1#14	22.63	21.23	33	PASS
				RB8#0	21.36	20.32	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#4	21.36	20.14	33	PASS
				RB8#7	21.36	20.21	33	PASS
				RB15#0	21.32	20.13	33	PASS
			MCH	RB1#0	22.37	21.32	33	PASS
				RB1#7	21.61	20.54	33	PASS
				RB1#14	22.35	21.01	33	PASS
				RB8#0	21.32	20.10	33	PASS
				RB8#4	21.35	20.22	33	PASS
				RB8#7	21.28	19.91	33	PASS
				RB15#0	21.23	20.11	33	PASS
			HCH	RB1#0	22.54	21.40	33	PASS
				RB1#7	22.18	21.08	33	PASS
				RB1#14	22.62	21.43	33	PASS
				RB8#0	21.28	20.12	33	PASS
				RB8#4	21.28	20.12	33	PASS
				RB8#7	21.28	20.16	33	PASS
				RB15#0	21.15	20.03	33	PASS
		5	LCH	RB1#0	22.6	21.27	33	PASS
				RB1#13	22.52	21.19	33	PASS
				RB1#24	22.51	21.41	33	PASS
				RB12#0	21.35	20.31	33	PASS
				RB12#6	21.31	20.05	33	PASS
				RB12#13	21.37	20.35	33	PASS
				RB25#0	21.28	19.93	33	PASS
			MCH	RB1#0	22.46	21.14	33	PASS
				RB1#13	22.48	21.16	33	PASS
				RB1#24	22.47	21.30	33	PASS
				RB12#0	21.33	20.27	33	PASS
				RB12#6	21.2	19.99	33	PASS
				RB12#13	21.32	20.07	33	PASS
				RB25#0	21.22	19.94	33	PASS
			HCH	RB1#0	22.67	21.41	33	PASS
				RB1#13	22.67	21.50	33	PASS
				RB1#24	22.77	21.64	33	PASS
				RB12#0	21.32	20.24	33	PASS
				RB12#6	21.29	20.23	33	PASS
				RB12#13	21.38	20.14	33	PASS
				RB25#0	21.25	19.94	33	PASS
		10	LCH	RB1#0	22.62	21.27	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.35	21.32	33	PASS
				RB1#49	22.58	21.41	33	PASS
				RB25#0	21.31	20.13	33	PASS
				RB25#13	21.36	20.08	33	PASS
				RB25#25	21.29	20.22	33	PASS
				RB50#0	21.25	20.24	33	PASS
			MCH	RB1#0	22.2	21.16	33	PASS
				RB1#25	21.9	20.53	33	PASS
				RB1#49	22.17	21.02	33	PASS
				RB25#0	21.29	19.96	33	PASS
				RB25#13	21.24	20.00	33	PASS
				RB25#25	21.23	20.08	33	PASS
				RB50#0	21.13	20.08	33	PASS
			HCH	RB1#0	22.71	21.38	33	PASS
				RB1#25	22.09	20.73	33	PASS
				RB1#49	22.8	21.51	33	PASS
				RB25#0	21.24	20.09	33	PASS
				RB25#13	21.17	19.90	33	PASS
				RB25#25	21.2	19.99	33	PASS
				RB50#0	21.24	19.91	33	PASS
		15	LCH	RB1#0	22.29	20.91	33	PASS
				RB1#38	22.41	21.15	33	PASS
				RB1#74	22.31	21.30	33	PASS
				RB38#0	21.32	20.06	33	PASS
				RB38#19	21.31	19.92	33	PASS
				RB38#39	21.34	20.07	33	PASS
				RB75#0	21.25	20.12	33	PASS
			MCH	RB1#0	22.37	21.31	33	PASS
				RB1#38	22.49	21.26	33	PASS
				RB1#74	22.42	21.15	33	PASS
				RB38#0	21.26	19.94	33	PASS
				RB38#19	21.2	19.89	33	PASS
				RB38#39	21.15	19.99	33	PASS
				RB75#0	21.14	19.75	33	PASS
			HCH	RB1#0	22.32	20.92	33	PASS
				RB1#38	22.52	21.31	33	PASS
				RB1#74	22.34	21.29	33	PASS
				RB38#0	21.25	20.03	33	PASS
				RB38#19	21.24	20.11	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#39	21.23	20.20	33	PASS
				RB75#0	21.21	20.00	33	PASS
		20	LCH	RB1#0	22.83	21.76	33	PASS
				RB1#50	22.56	21.21	33	PASS
				RB1#99	22.85	21.65	33	PASS
				RB50#0	21.29	20.15	33	PASS
				RB50#25	21.36	20.03	33	PASS
				RB50#50	21.32	19.93	33	PASS
				RB100#0	21.29	20.23	33	PASS
			MCH	RB1#0	22.54	21.43	33	PASS
				RB1#50	21.92	20.87	33	PASS
				RB1#99	22.59	21.37	33	PASS
				RB50#0	21.19	20.07	33	PASS
				RB50#25	21.21	19.93	33	PASS
				RB50#50	21.22	19.86	33	PASS
				RB100#0	21.19	19.94	33	PASS
			HCH	RB1#0	22.55	21.31	33	PASS
				RB1#50	22.38	21.24	33	PASS
				RB1#99	22.61	21.57	33	PASS
				RB50#0	21.2	20.19	33	PASS
				RB50#25	21.27	20.12	33	PASS
				RB50#50	21.23	19.97	33	PASS
				RB100#0	21.19	20.13	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
BAND2	LTE/TM1	1.4	LCH	RB1#0	4.38	13	PASS
				RB1#3	4.80	13	PASS
				RB1#5	4.68	13	PASS
				RB3#0	4.99	13	PASS
				RB3#2	4.95	13	PASS
				RB3#3	5.10	13	PASS
				RB6#0	5.83	13	PASS
			MCH	RB1#0	4.64	13	PASS
				RB1#3	4.62	13	PASS
				RB1#5	4.62	13	PASS
				RB3#0	5.15	13	PASS
				RB3#2	5.19	13	PASS
				RB3#3	5.06	13	PASS
				RB6#0	5.78	13	PASS
			HCH	RB1#0	3.87	13	PASS
				RB1#3	4.14	13	PASS
				RB1#5	3.79	13	PASS
				RB3#0	4.31	13	PASS
				RB3#2	4.16	13	PASS
				RB3#3	4.28	13	PASS
				RB6#0	5.56	13	PASS
		3	LCH	RB1#0	4.45	13	PASS
				RB1#7	4.94	13	PASS
				RB1#14	4.40	13	PASS
				RB8#0	5.89	13	PASS
				RB8#4	5.90	13	PASS
				RB8#7	5.88	13	PASS
				RB15#0	5.78	13	PASS
			MCH	RB1#0	4.60	13	PASS
				RB1#7	5.18	13	PASS
				RB1#14	4.71	13	PASS
				RB8#0	5.85	13	PASS
				RB8#4	5.75	13	PASS
				RB8#7	5.88	13	PASS
				RB15#0	6.11	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	3.87	13	PASS
				RB1#7	3.51	13	PASS
				RB1#14	3.77	13	PASS
				RB8#0	5.32	13	PASS
				RB8#4	5.19	13	PASS
				RB8#7	5.21	13	PASS
				RB15#0	5.61	13	PASS
		5	LCH	RB1#0	4.71	13	PASS
				RB1#13	4.61	13	PASS
				RB1#24	4.60	13	PASS
				RB12#0	5.81	13	PASS
				RB12#6	5.92	13	PASS
				RB12#13	5.80	13	PASS
				RB25#0	6.03	13	PASS
			MCH	RB1#0	4.51	13	PASS
				RB1#13	4.49	13	PASS
				RB1#24	4.59	13	PASS
				RB12#0	5.77	13	PASS
				RB12#6	5.86	13	PASS
				RB12#13	5.81	13	PASS
				RB25#0	6.04	13	PASS
			HCH	RB1#0	4.06	13	PASS
				RB1#13	3.93	13	PASS
				RB1#24	3.75	13	PASS
				RB12#0	5.29	13	PASS
				RB12#6	5.34	13	PASS
				RB12#13	5.23	13	PASS
				RB25#0	5.79	13	PASS
		10	LCH	RB1#0	4.50	13	PASS
				RB1#25	4.47	13	PASS
				RB1#49	4.29	13	PASS
				RB25#0	5.86	13	PASS
				RB25#13	5.81	13	PASS
				RB25#25	5.73	13	PASS
				RB50#0	6.11	13	PASS
			MCH	RB1#0	4.39	13	PASS
				RB1#25	4.80	13	PASS
				RB1#49	4.45	13	PASS
				RB25#0	6.03	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	5.91	13	PASS
				RB25#25	6.03	13	PASS
				RB50#0	6.34	13	PASS
			HCH	RB1#0	3.76	13	PASS
				RB1#25	4.03	13	PASS
				RB1#49	3.79	13	PASS
				RB25#0	5.16	13	PASS
				RB25#13	5.20	13	PASS
				RB25#25	5.39	13	PASS
				RB50#0	5.80	13	PASS
		15	LCH	RB1#0	4.65	13	PASS
				RB1#38	4.37	13	PASS
				RB1#74	4.32	13	PASS
				RB38#0	5.91	13	PASS
				RB38#19	5.75	13	PASS
				RB38#39	5.69	13	PASS
				RB75#0	6.35	13	PASS
			MCH	RB1#0	4.77	13	PASS
				RB1#38	4.68	13	PASS
				RB1#74	4.79	13	PASS
				RB38#0	6.00	13	PASS
				RB38#19	6.01	13	PASS
				RB38#39	6.12	13	PASS
				RB75#0	6.51	13	PASS
			HCH	RB1#0	3.88	13	PASS
				RB1#38	3.78	13	PASS
				RB1#74	3.99	13	PASS
				RB38#0	5.14	13	PASS
				RB38#19	5.08	13	PASS
				RB38#39	5.44	13	PASS
				RB75#0	5.99	13	PASS
		20	LCH	RB1#0	4.58	13	PASS
				RB1#50	4.56	13	PASS
				RB1#99	4.31	13	PASS
				RB50#0	5.92	13	PASS
				RB50#25	5.69	13	PASS
				RB50#50	5.73	13	PASS
				RB100#0	6.22	13	PASS
			MCH	RB1#0	4.36	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	4.92	13	PASS
				RB1#99	4.31	13	PASS
				RB50#0	6.01	13	PASS
				RB50#25	6.14	13	PASS
				RB50#50	6.12	13	PASS
				RB100#0	6.35	13	PASS
			HCH	RB1#0	4.05	13	PASS
				RB1#50	4.00	13	PASS
				RB1#99	4.07	13	PASS
				RB50#0	5.21	13	PASS
				RB50#25	5.03	13	PASS
				RB50#50	5.34	13	PASS
				RB100#0	5.96	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.83	13	PASS
				RB1#3	5.87	13	PASS
				RB1#5	5.77	13	PASS
				RB3#0	6.06	13	PASS
				RB3#2	6.04	13	PASS
				RB3#3	6.20	13	PASS
				RB6#0	6.71	13	PASS
			MCH	RB1#0	5.52	13	PASS
				RB1#3	5.78	13	PASS
				RB1#5	5.52	13	PASS
				RB3#0	5.90	13	PASS
				RB3#2	6.26	13	PASS
				RB3#3	6.19	13	PASS
				RB6#0	6.85	13	PASS
		3	HCH	RB1#0	4.47	13	PASS
				RB1#3	4.65	13	PASS
				RB1#5	4.49	13	PASS
				RB3#0	5.17	13	PASS
				RB3#2	5.33	13	PASS
				RB3#3	5.03	13	PASS
				RB6#0	6.37	13	PASS
			LCH	RB1#0	5.58	13	PASS
				RB1#7	5.74	13	PASS
				RB1#14	5.52	13	PASS
				RB8#0	6.66	13	PASS
				RB8#4	6.65	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	6.69	13	PASS
				RB15#0	6.74	13	PASS
			MCH	RB1#0	5.73	13	PASS
				RB1#7	5.83	13	PASS
				RB1#14	5.60	13	PASS
				RB8#0	6.76	13	PASS
				RB8#4	6.83	13	PASS
				RB8#7	6.77	13	PASS
				RB15#0	6.89	13	PASS
			HCH	RB1#0	4.79	13	PASS
				RB1#7	4.85	13	PASS
				RB1#14	4.59	13	PASS
				RB8#0	6.40	13	PASS
				RB8#4	6.20	13	PASS
				RB8#7	6.30	13	PASS
				RB15#0	6.47	13	PASS
		5	LCH	RB1#0	5.60	13	PASS
				RB1#13	5.57	13	PASS
				RB1#24	5.53	13	PASS
				RB12#0	6.79	13	PASS
				RB12#6	6.70	13	PASS
				RB12#13	6.68	13	PASS
				RB25#0	6.74	13	PASS
			MCH	RB1#0	5.34	13	PASS
				RB1#13	5.27	13	PASS
				RB1#24	5.41	13	PASS
				RB12#0	6.59	13	PASS
				RB12#6	6.57	13	PASS
				RB12#13	6.93	13	PASS
				RB25#0	7.08	13	PASS
			HCH	RB1#0	4.62	13	PASS
				RB1#13	4.59	13	PASS
				RB1#24	4.49	13	PASS
				RB12#0	6.35	13	PASS
				RB12#6	6.11	13	PASS
				RB12#13	6.32	13	PASS
				RB25#0	6.70	13	PASS
		10	LCH	RB1#0	5.62	13	PASS
				RB1#25	5.61	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	5.41	13	PASS
				RB25#0	6.80	13	PASS
				RB25#13	6.75	13	PASS
				RB25#25	6.74	13	PASS
				RB50#0	6.96	13	PASS
			MCH	RB1#0	5.44	13	PASS
				RB1#25	5.64	13	PASS
				RB1#49	5.54	13	PASS
				RB25#0	7.05	13	PASS
				RB25#13	7.09	13	PASS
				RB25#25	7.11	13	PASS
				RB50#0	7.08	13	PASS
			HCH	RB1#0	4.54	13	PASS
				RB1#25	4.99	13	PASS
				RB1#49	4.71	13	PASS
				RB25#0	6.13	13	PASS
				RB25#13	6.16	13	PASS
				RB25#25	6.44	13	PASS
				RB50#0	6.67	13	PASS
		15	LCH	RB1#0	5.75	13	PASS
				RB1#38	5.35	13	PASS
				RB1#74	5.31	13	PASS
				RB38#0	6.97	13	PASS
				RB38#19	6.75	13	PASS
				RB38#39	6.80	13	PASS
				RB75#0	7.25	13	PASS
			MCH	RB1#0	5.47	13	PASS
				RB1#38	5.70	13	PASS
				RB1#74	5.54	13	PASS
				RB38#0	6.92	13	PASS
				RB38#19	6.92	13	PASS
				RB38#39	7.02	13	PASS
				RB75#0	7.42	13	PASS
			HCH	RB1#0	4.58	13	PASS
				RB1#38	4.44	13	PASS
				RB1#74	4.74	13	PASS
				RB38#0	6.13	13	PASS
				RB38#19	6.09	13	PASS
				RB38#39	6.39	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB75#0	6.78	13	PASS
		20	LCH	RB1#0	5.23	13	PASS
				RB1#50	5.10	13	PASS
				RB1#99	4.98	13	PASS
				RB50#0	6.86	13	PASS
				RB50#25	6.62	13	PASS
				RB50#50	6.65	13	PASS
				RB100#0	7.12	13	PASS
			MCH	RB1#0	5.16	13	PASS
				RB1#50	5.78	13	PASS
				RB1#99	5.17	13	PASS
				RB50#0	6.86	13	PASS
				RB50#25	7.01	13	PASS
				RB50#50	6.94	13	PASS
				RB100#0	7.10	13	PASS
			HCH	RB1#0	4.90	13	PASS
				RB1#50	4.85	13	PASS
				RB1#99	4.77	13	PASS
				RB50#0	6.25	13	PASS
				RB50#25	6.04	13	PASS
				RB50#50	6.32	13	PASS
				RB100#0	6.86	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

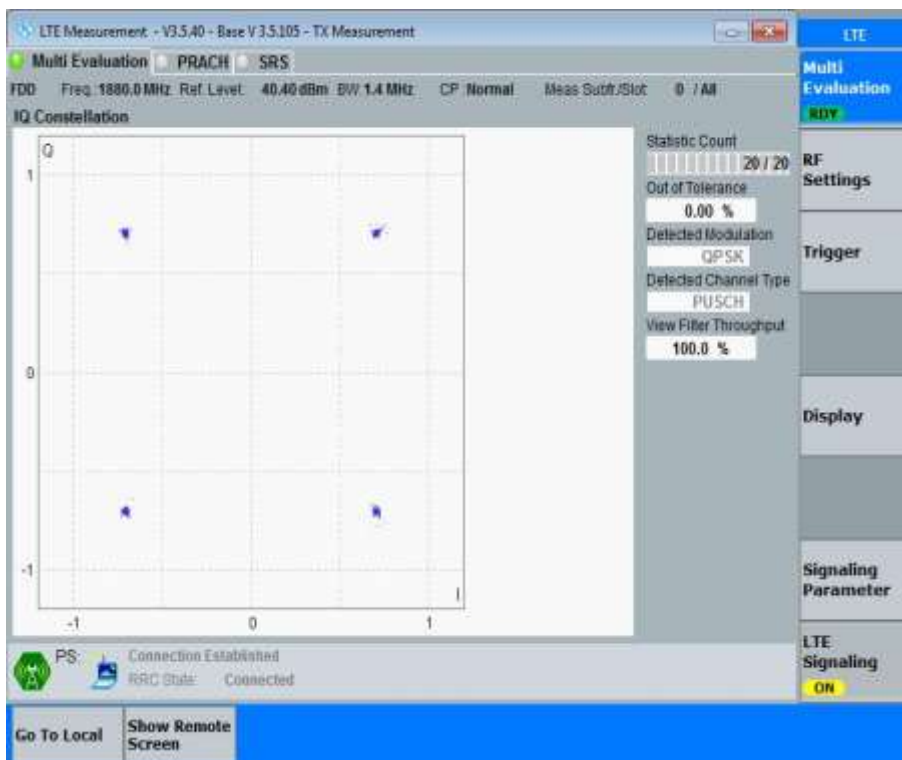
3.1.1 Test Band = BAND2

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

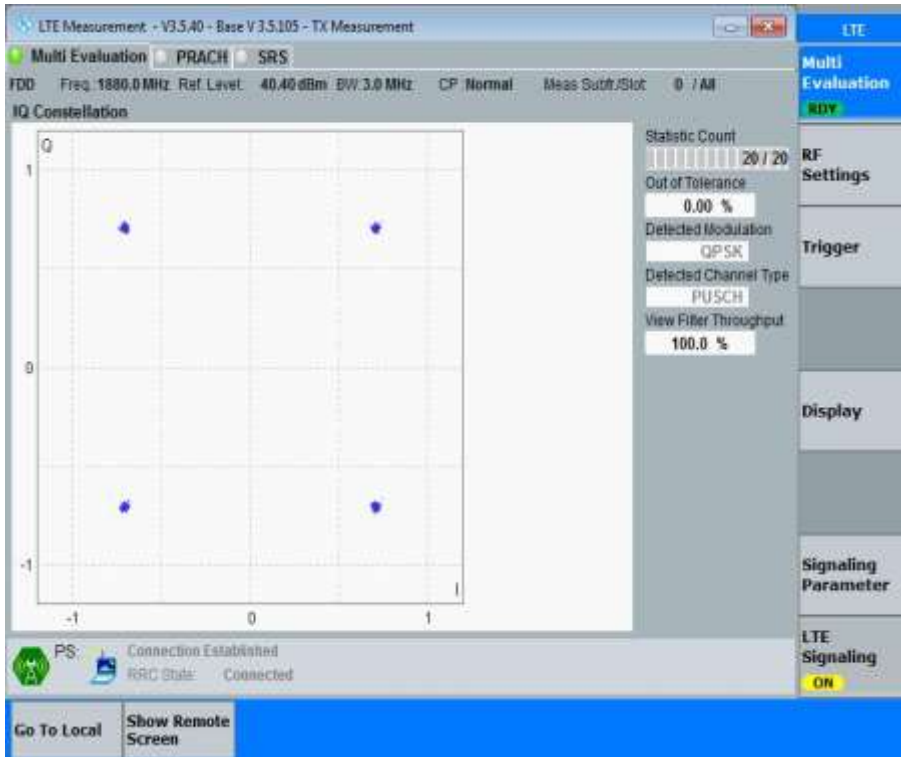
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

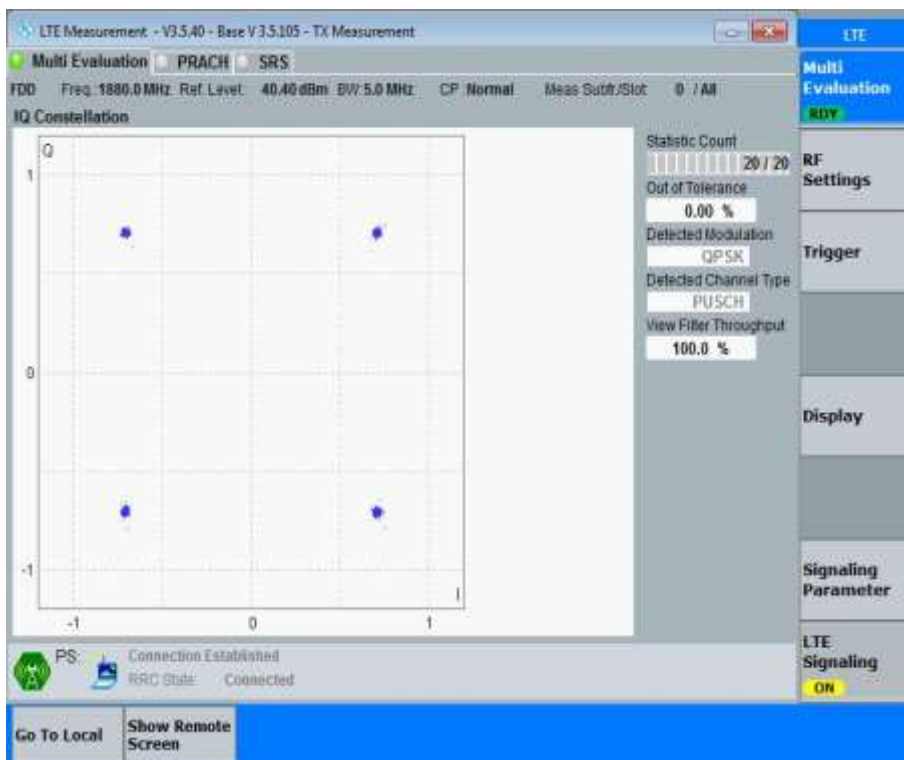
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

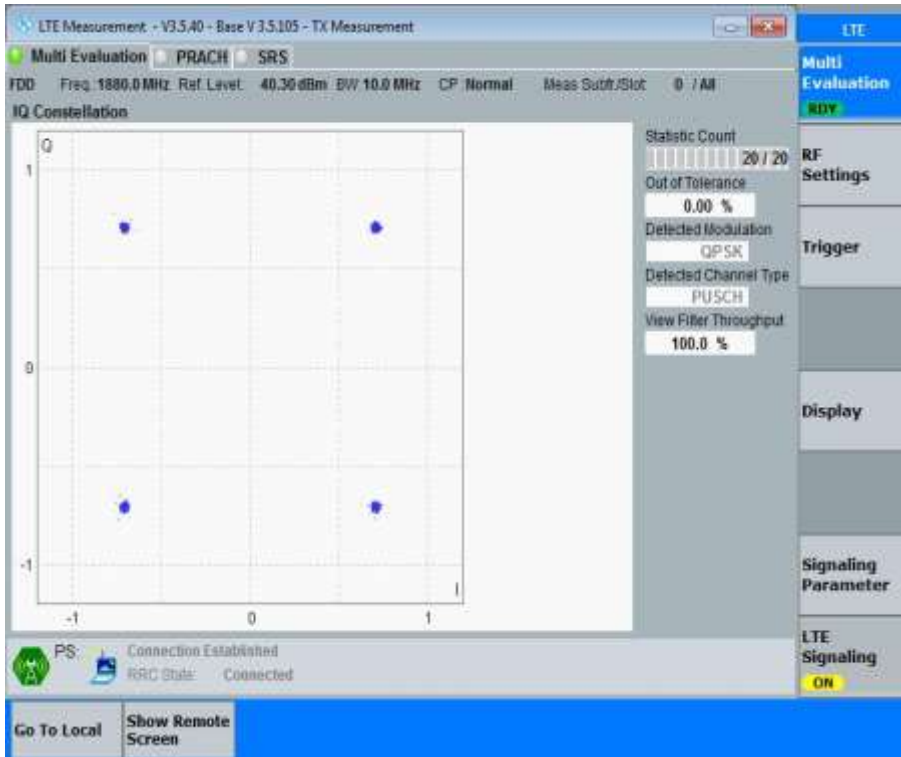
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

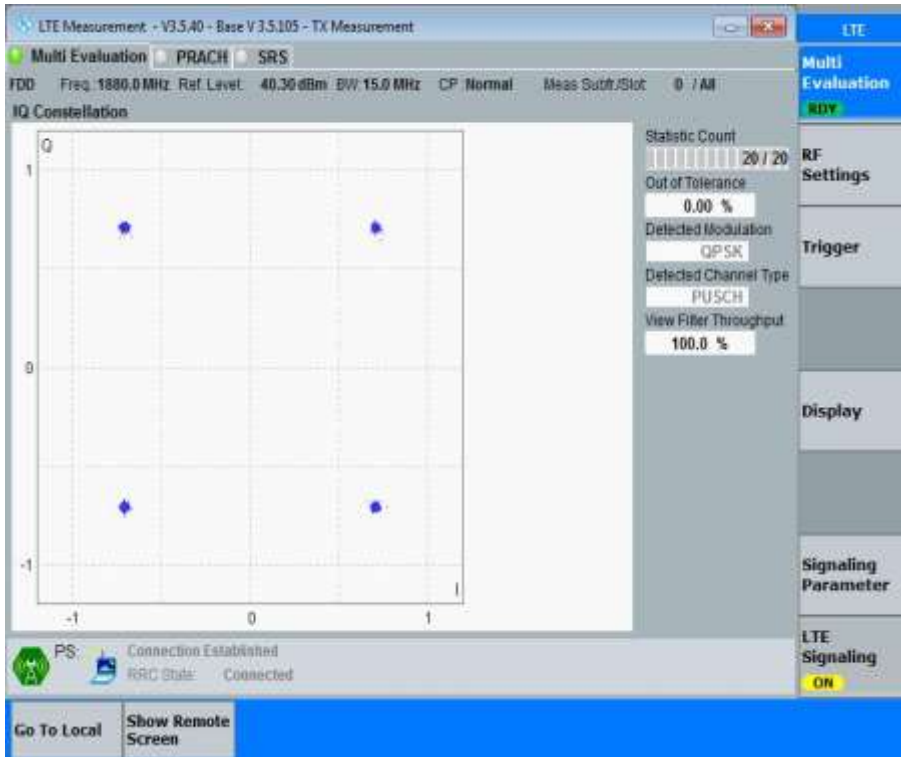
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

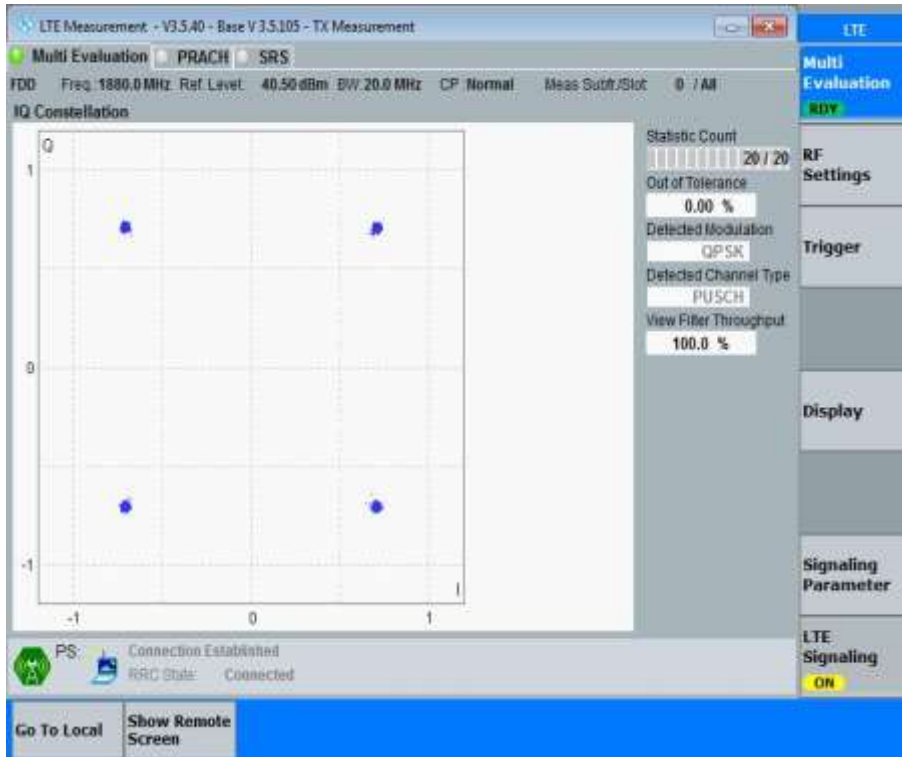
3.1.1.1.5.1.1 Test RB = RB75#0



3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0

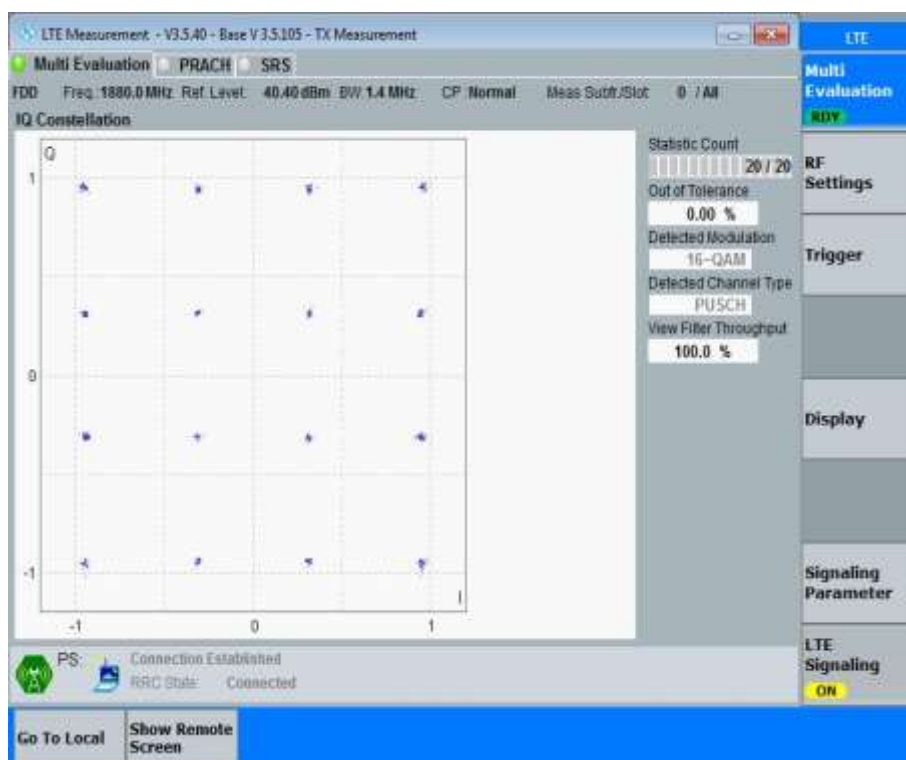


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

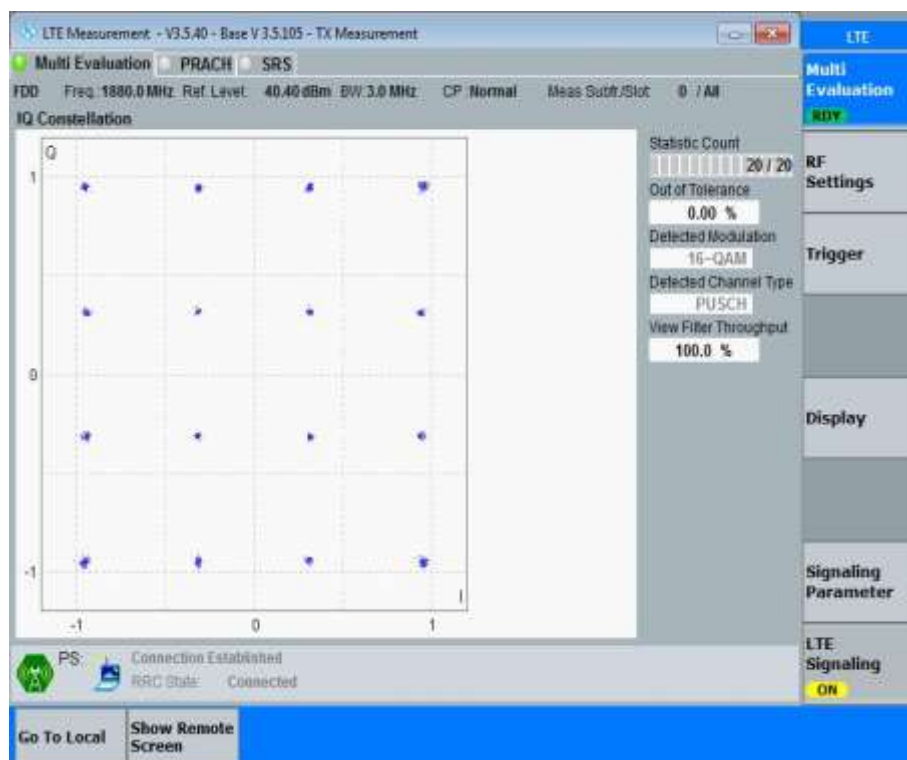
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

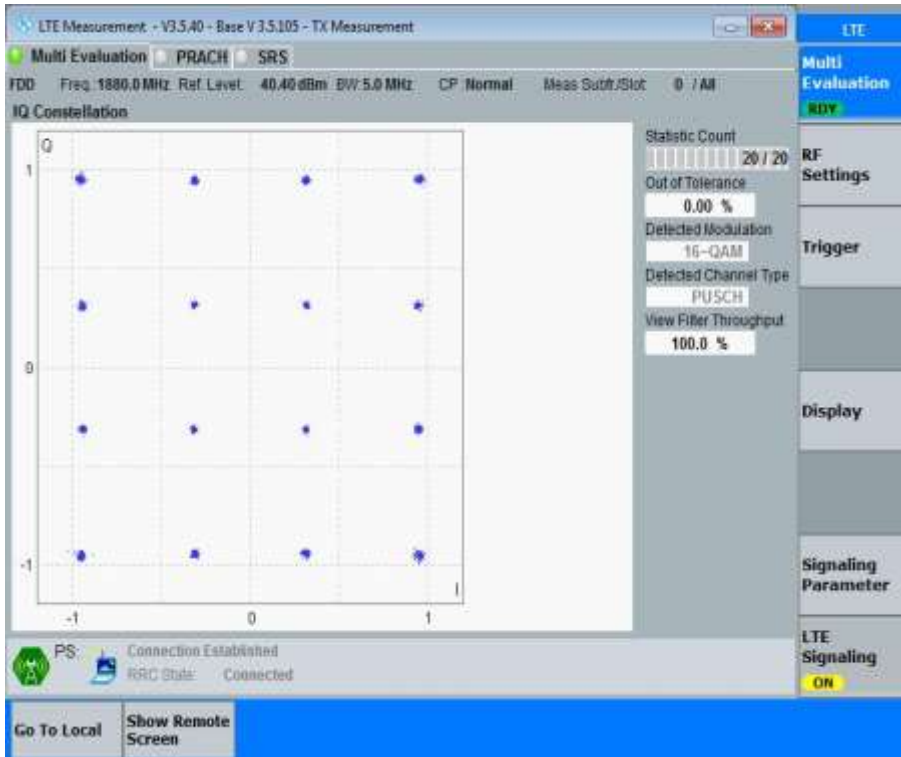
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

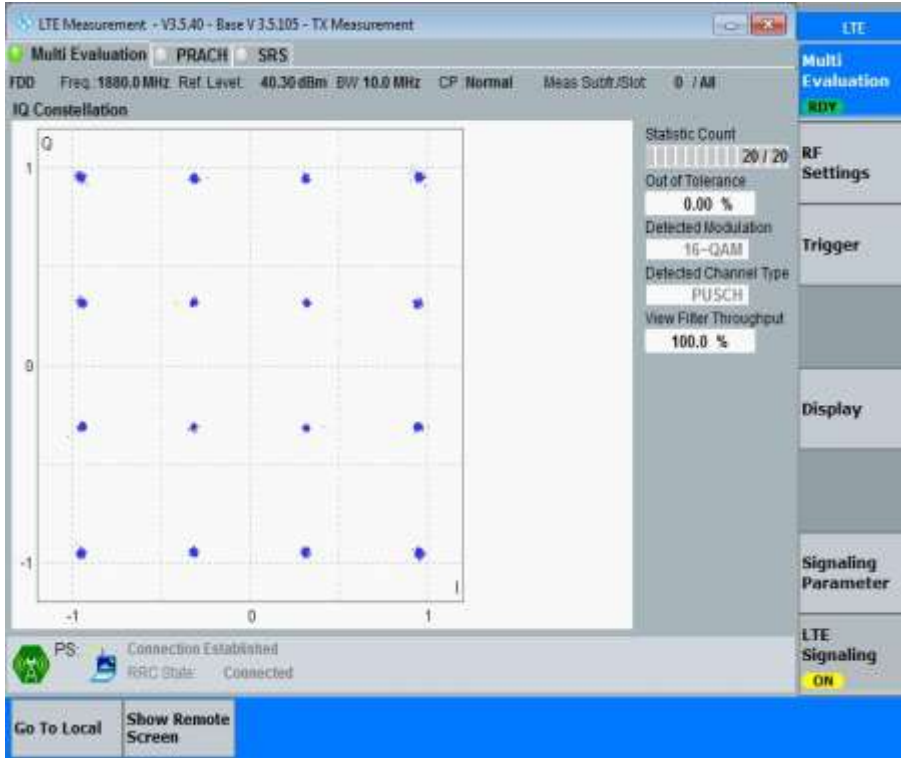
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

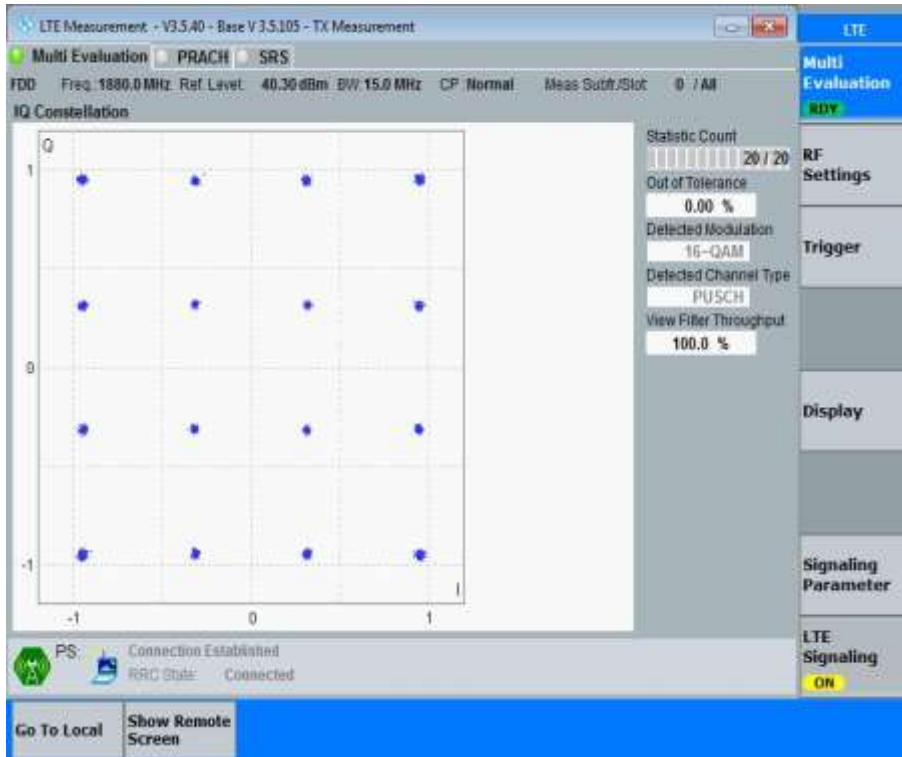
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

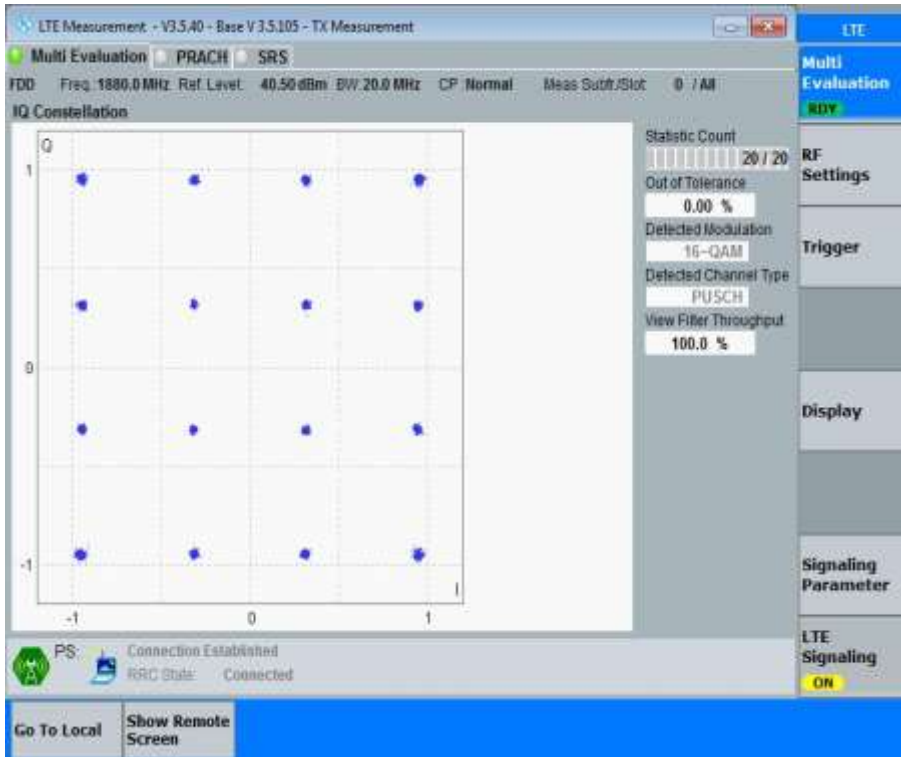
3.1.1.2.5.1.1 Test RB = RB75#0



3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 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
BAND2	LTE/TM1	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.97	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.52	4.96	Pass
			MCH	RB25#0	4.51	4.96	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	9.01	9.89	Pass
			MCH	RB50#0	9.01	9.92	Pass
			HCH	RB50#0	9.01	9.94	Pass
		15	LCH	RB75#0	13.50	15.00	Pass
			MCH	RB75#0	13.48	15.03	Pass
			HCH	RB75#0	13.54	15.02	Pass
		20	LCH	RB100#0	18.00	19.78	Pass
			MCH	RB100#0	17.98	19.79	Pass
			HCH	RB100#0	18.03	19.81	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.70	2.98	Pass
		5	LCH	RB25#0	4.51	5.00	Pass
			MCH	RB25#0	4.52	4.98	Pass
			HCH	RB25#0	4.52	5.01	Pass
		10	LCH	RB50#0	9.00	9.89	Pass
			MCH	RB50#0	9.01	9.95	Pass
			HCH	RB50#0	9.00	9.90	Pass
		15	LCH	RB75#0	13.51	15.02	Pass
			MCH	RB75#0	13.50	15.09	Pass
			HCH	RB75#0	13.51	15.00	Pass
		20	LCH	RB100#0	18.01	19.86	Pass
			MCH	RB100#0	18.04	19.91	Pass



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB100#0	18.03	19.77	Pass

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND2

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

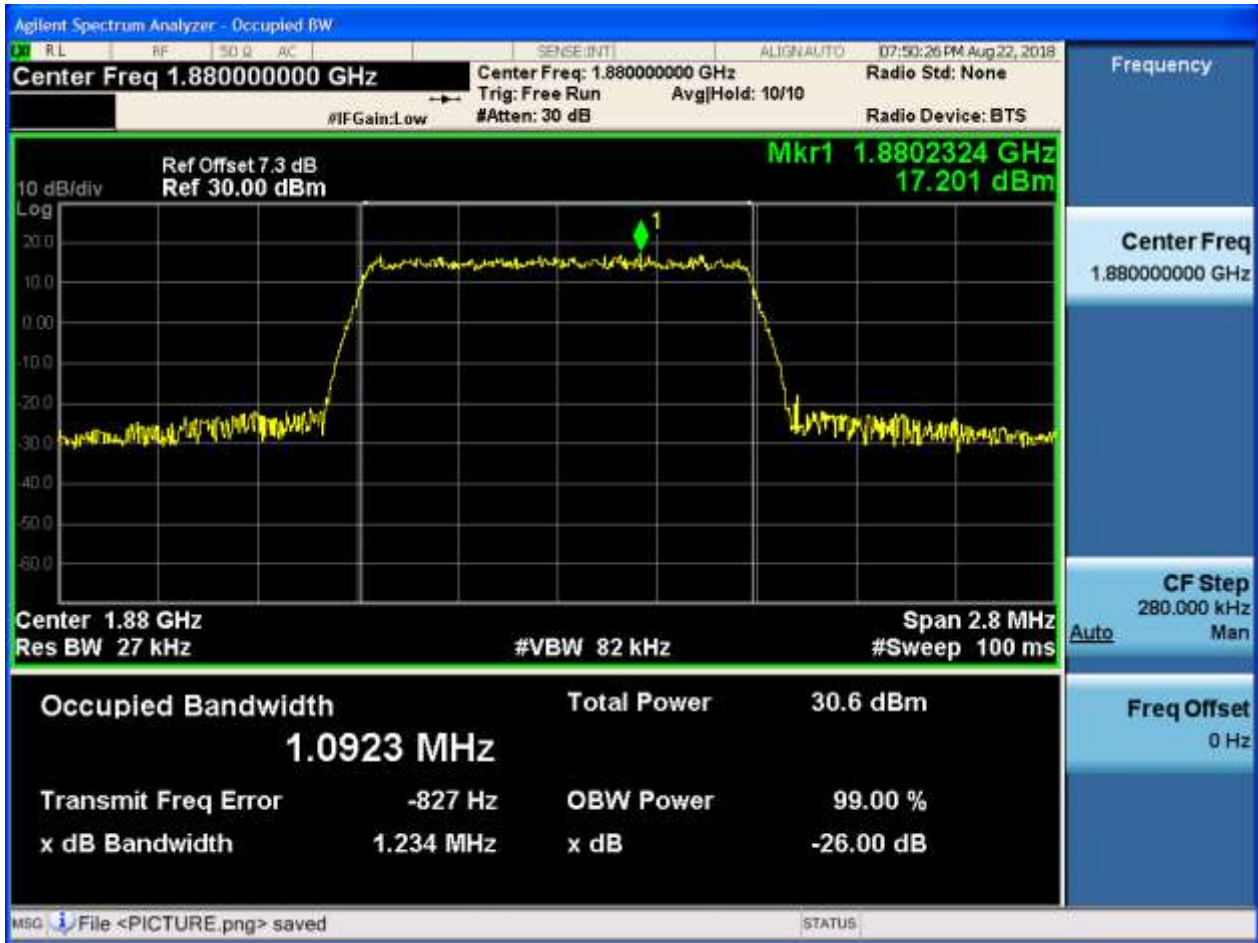
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0



4.1.1.1.1.3 Test Channel = HCH

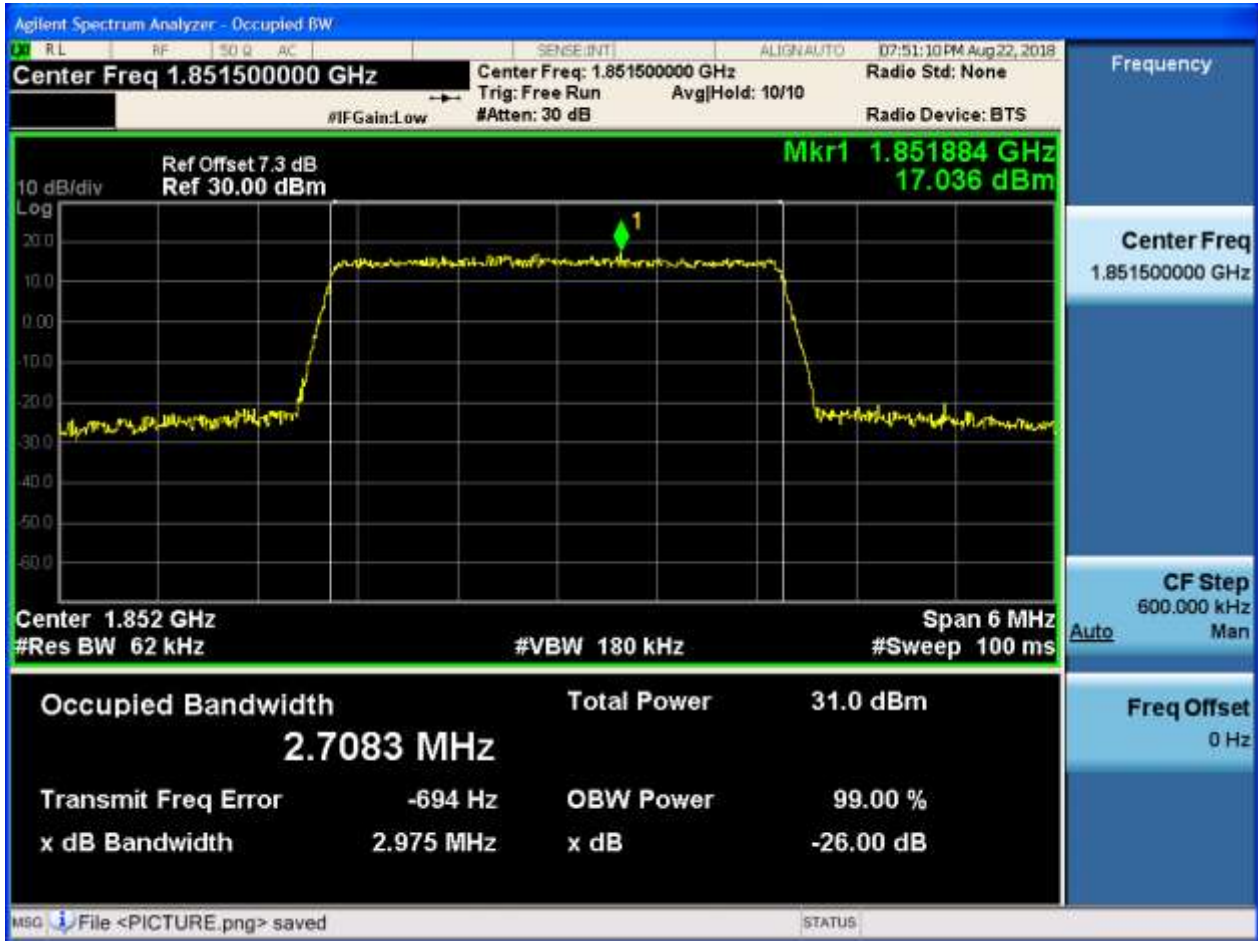
4.1.1.1.1.3.1 Test RB = RB6#0



4.1.1.1.2 Test Bandwidth = 3

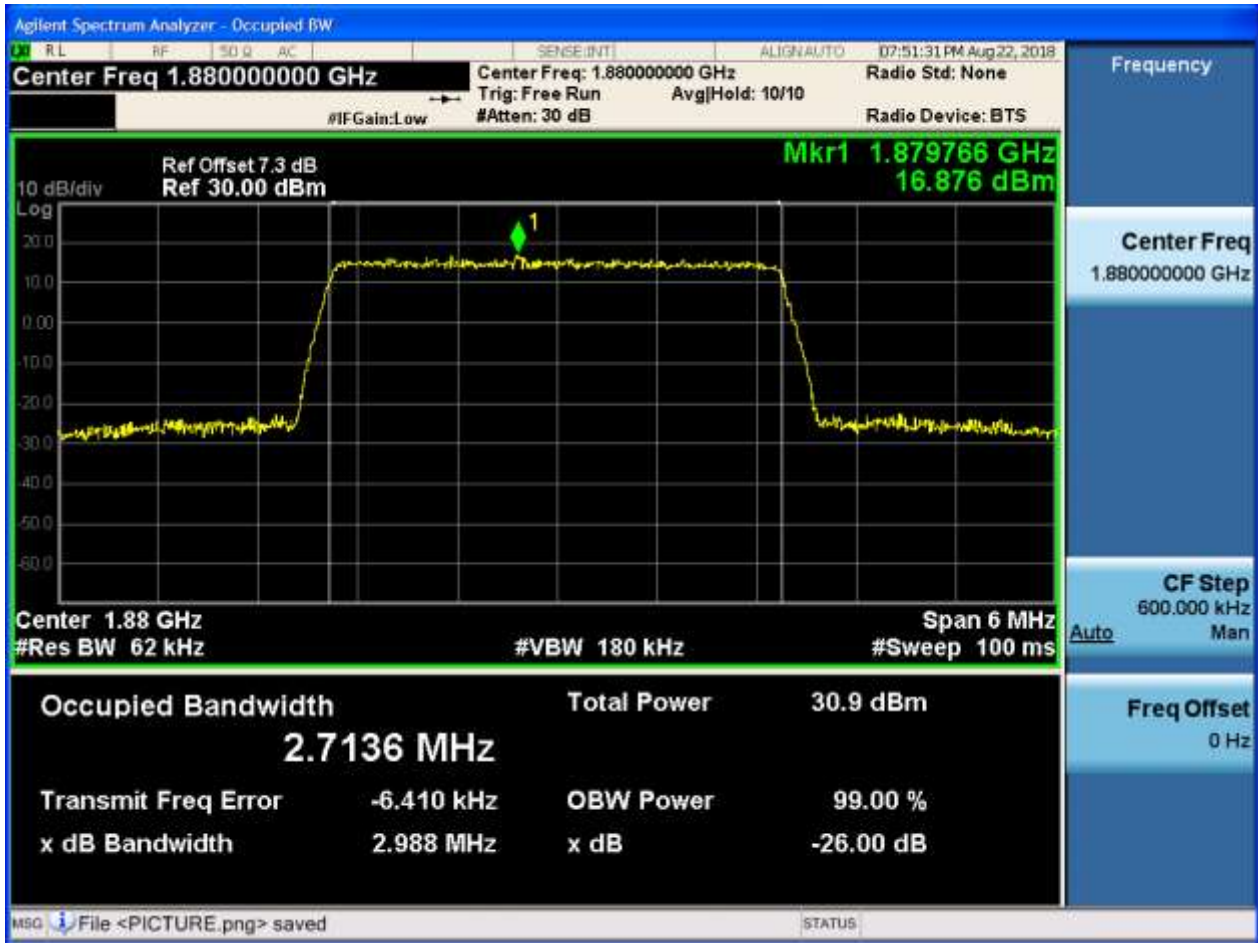
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0



4.1.1.1.2.3 Test Channel = HCH

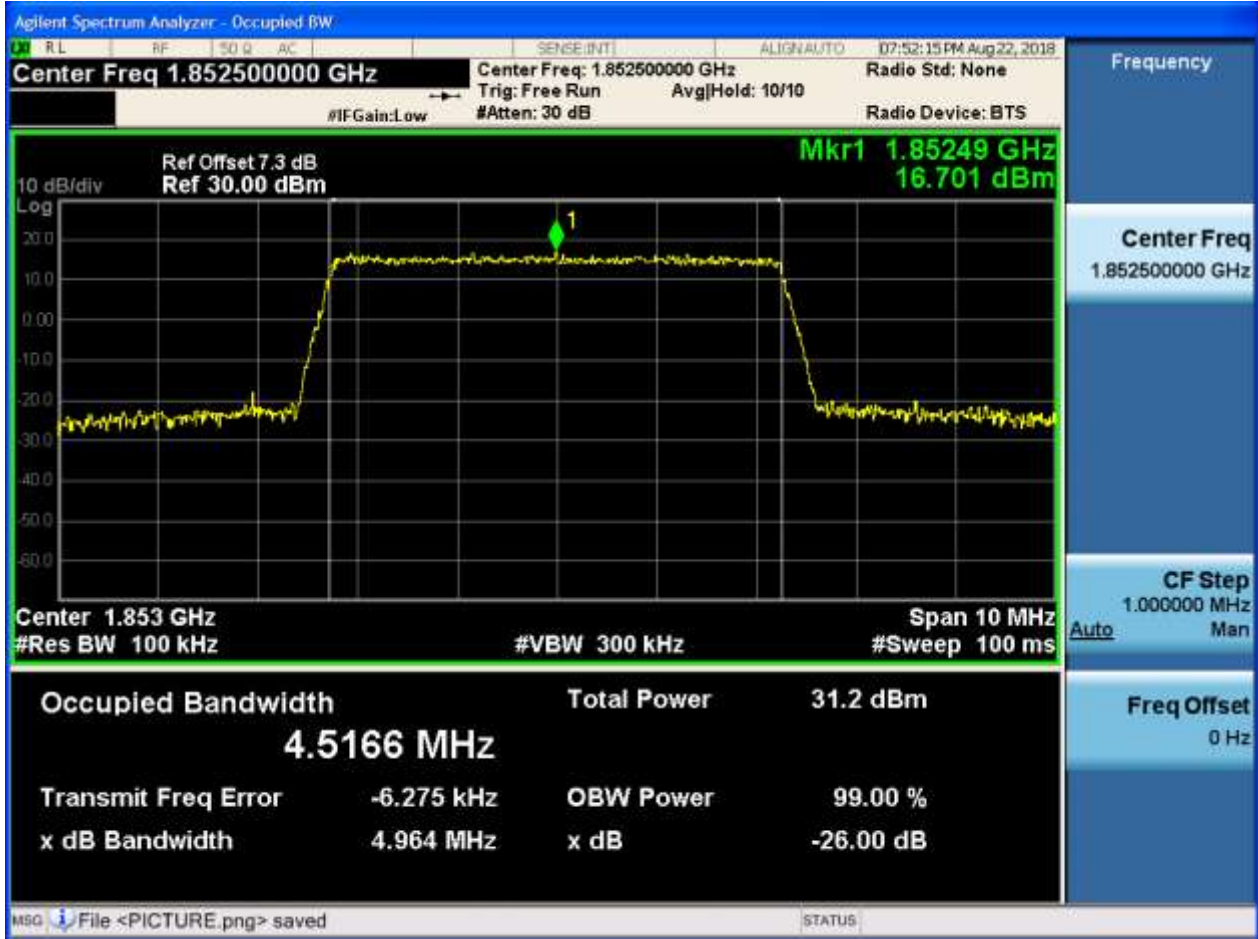
4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

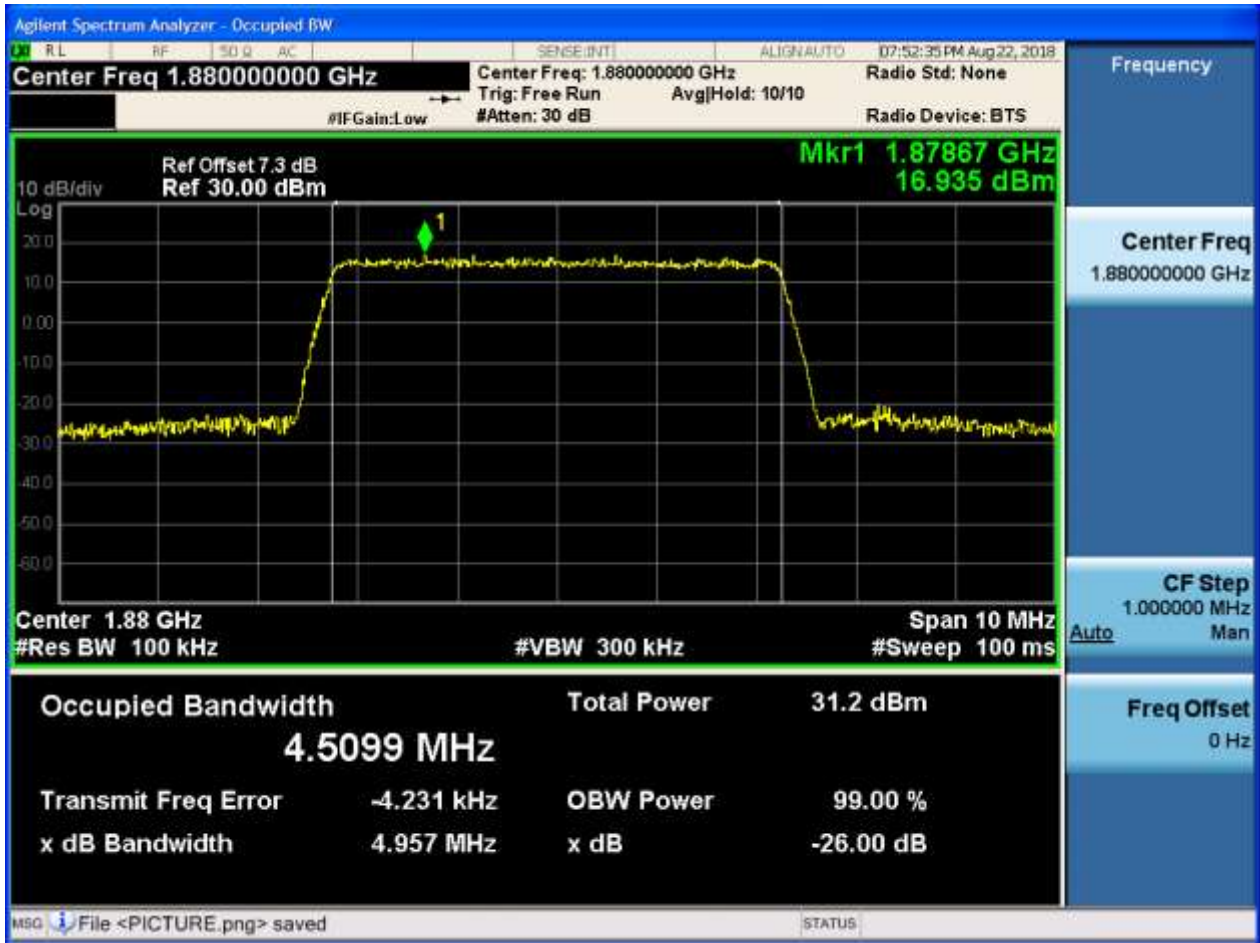
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



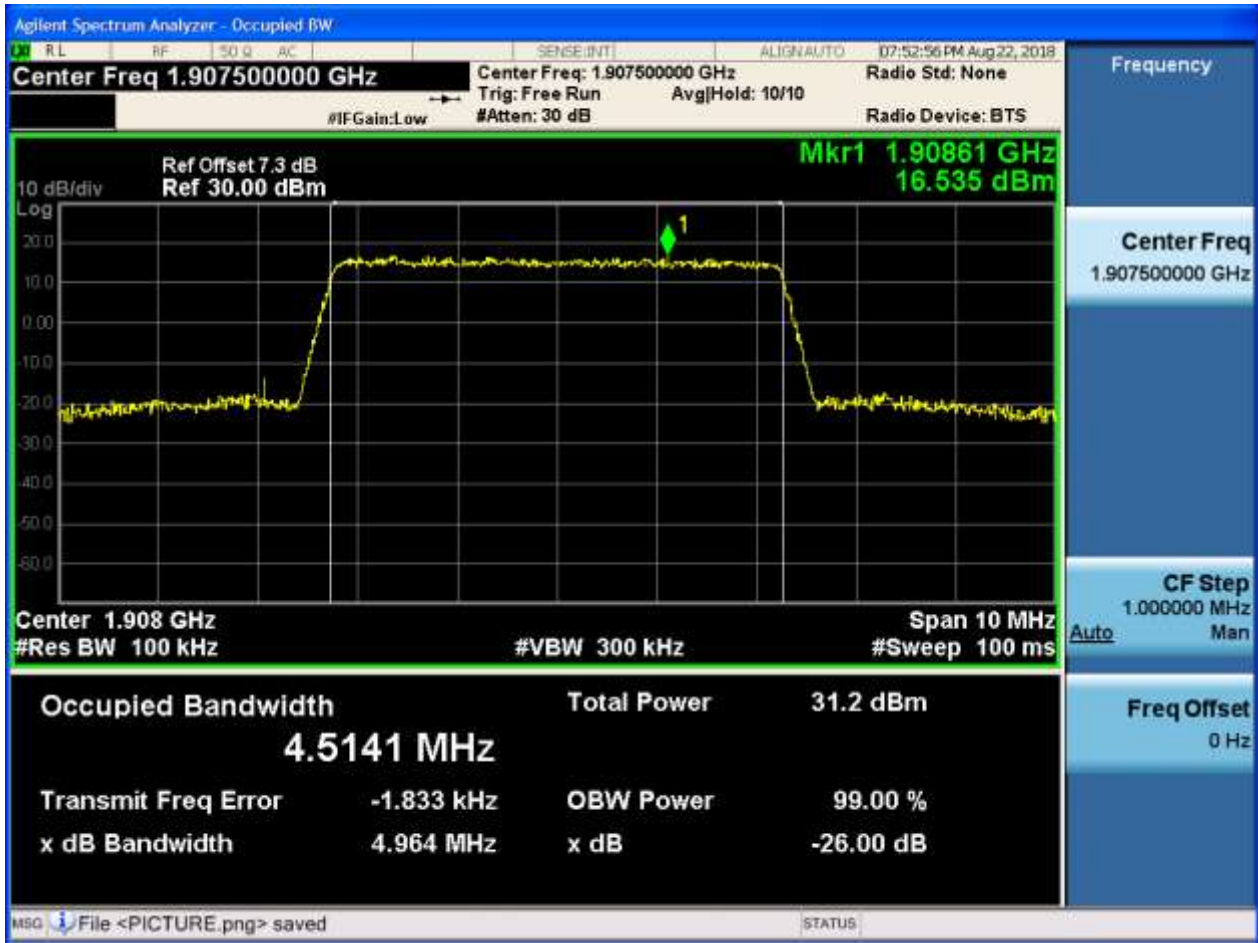
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

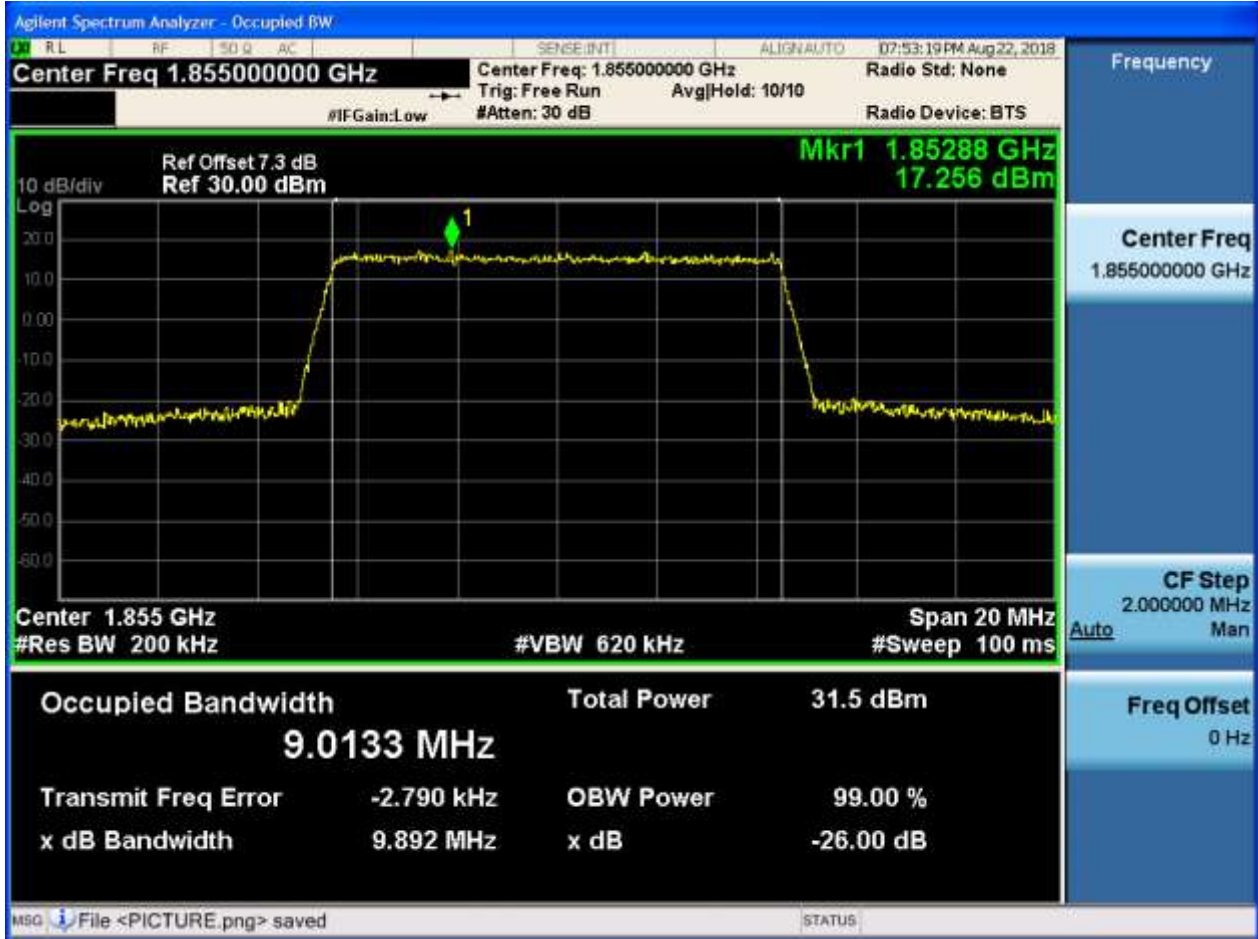
4.1.1.1.3.3.1 Test RB = RB25#0



4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0



4.1.1.1.4.3 Test Channel = HCH

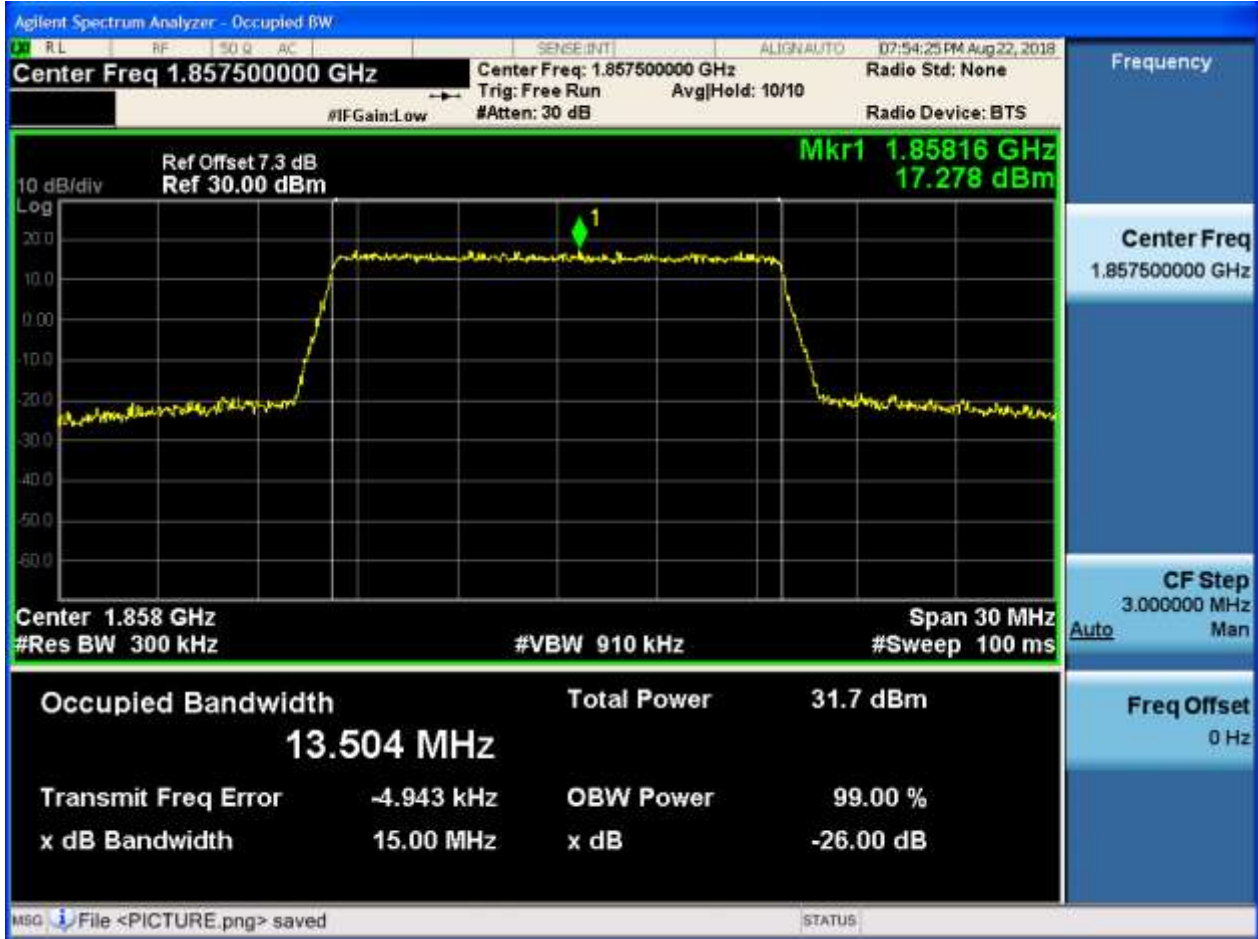
4.1.1.1.4.3.1 Test RB = RB50#0



4.1.1.1.5 Test Bandwidth = 15

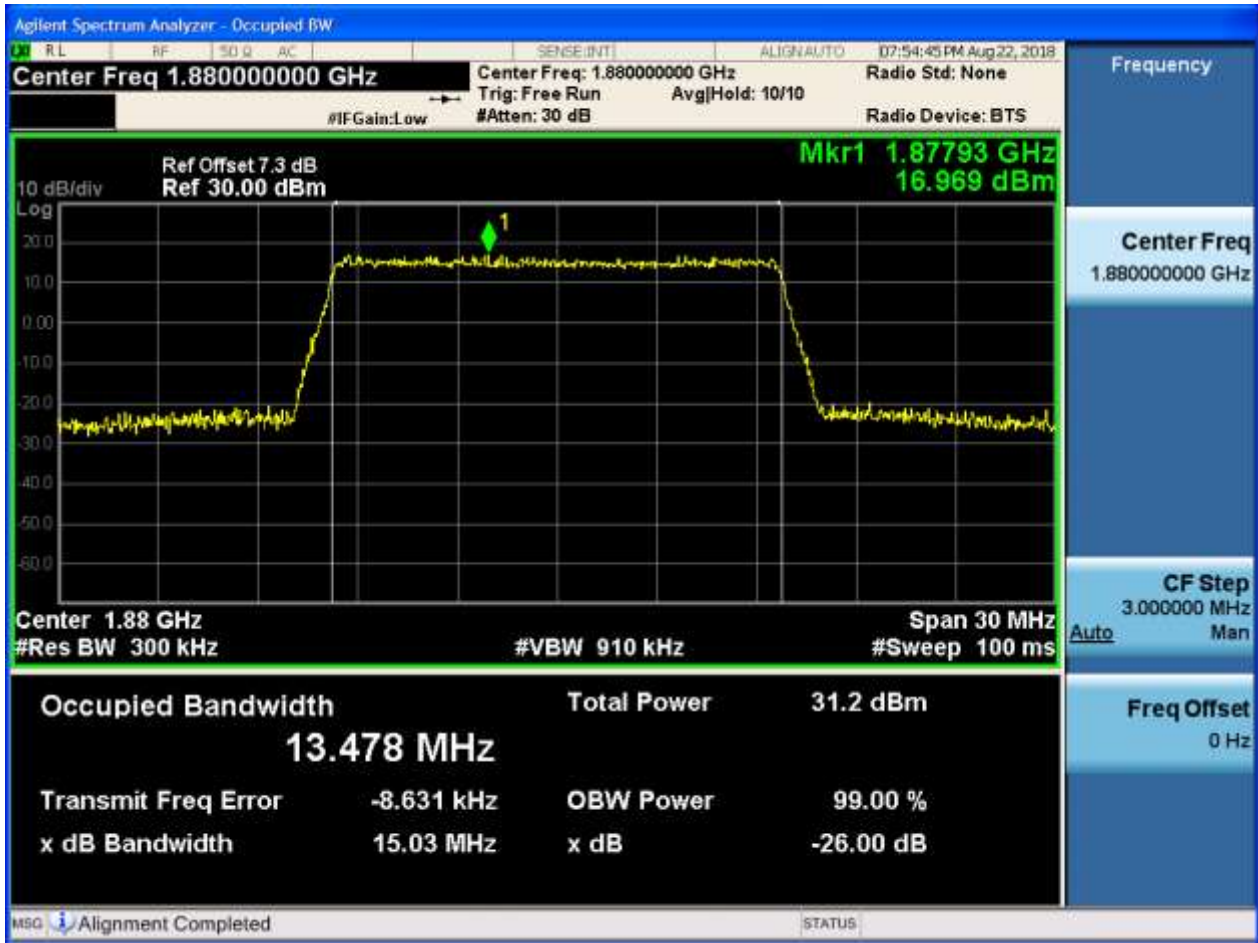
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0



4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



4.1.1.1.6.2 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB100#0



4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

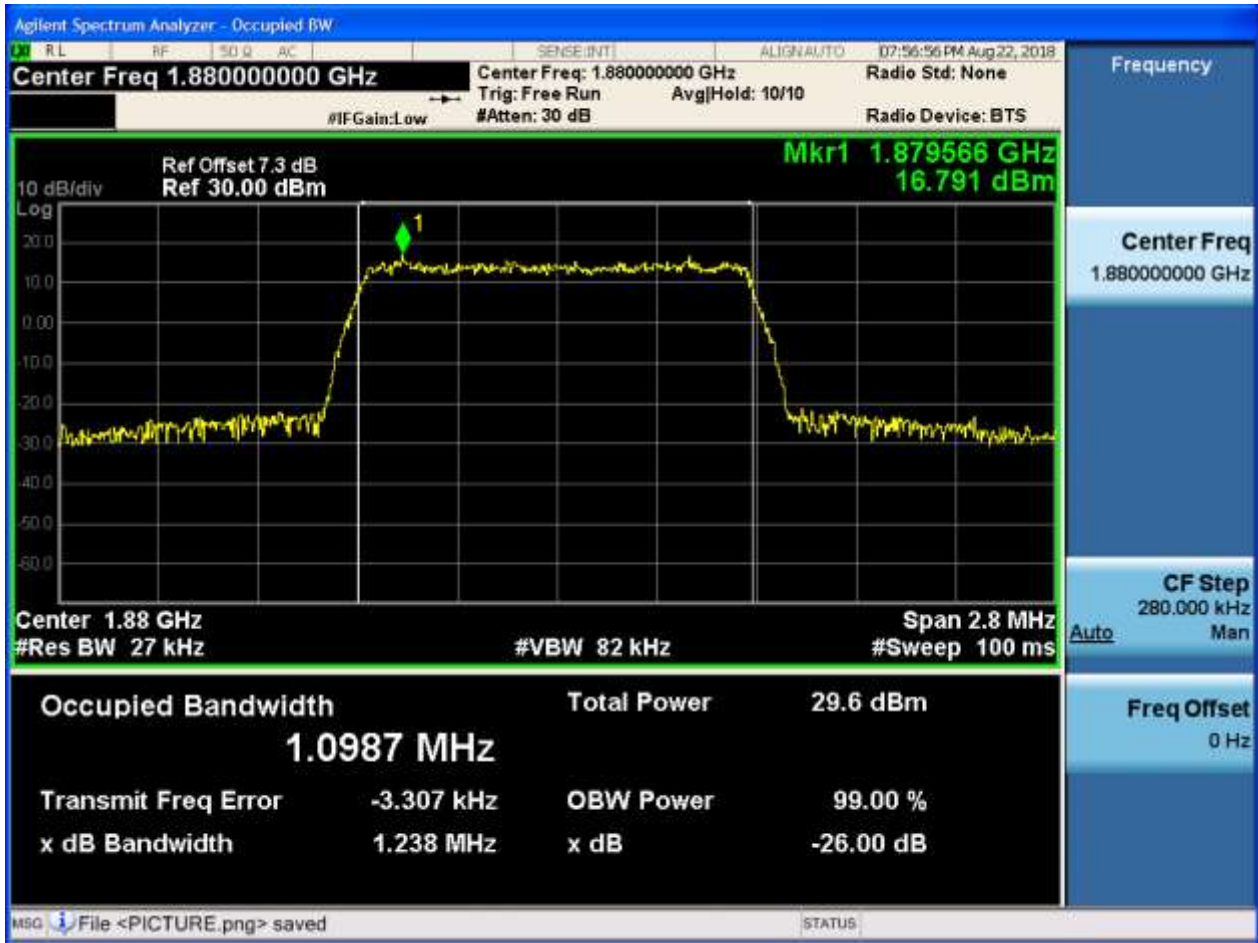
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0



4.1.1.2.1.3 Test Channel = HCH

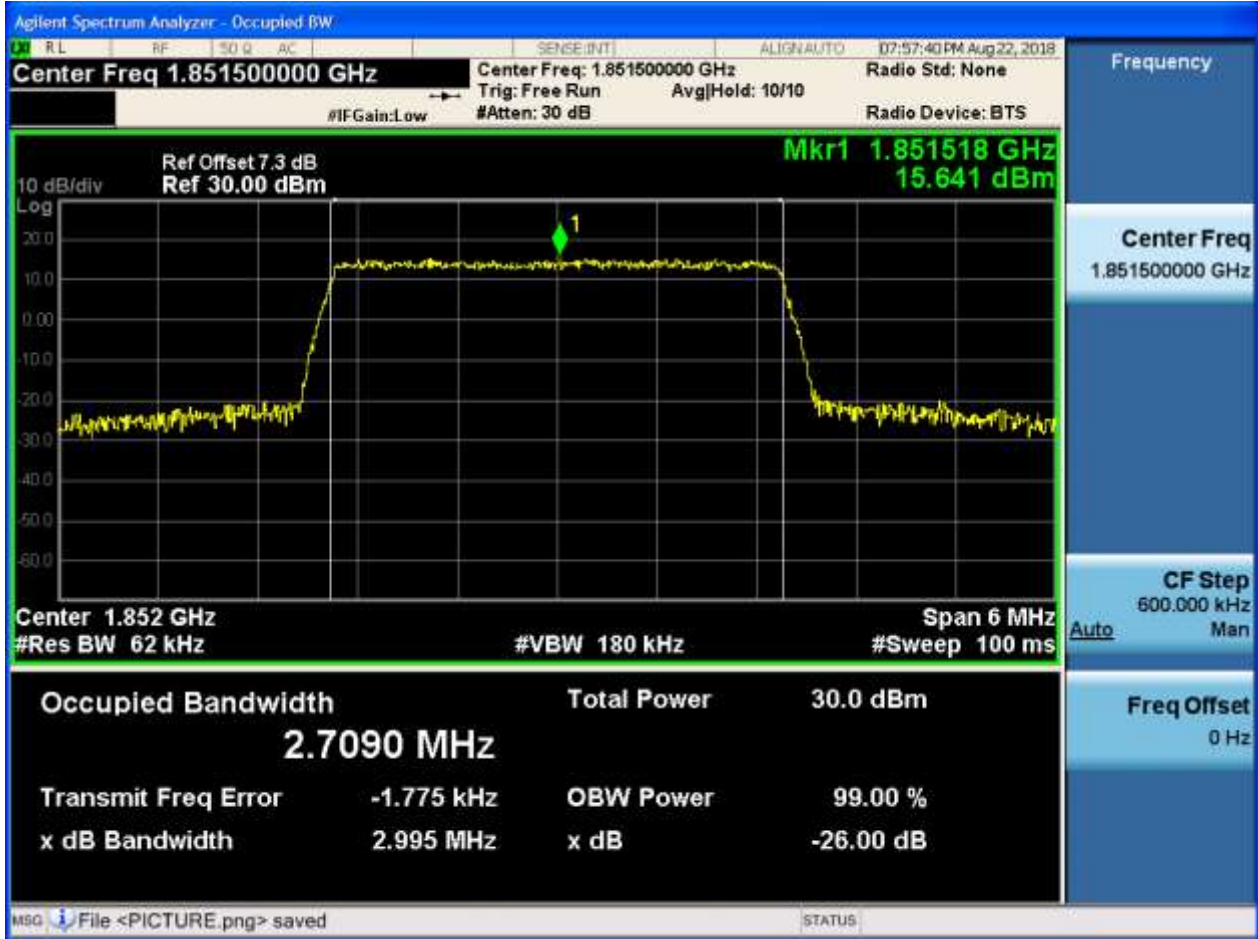
4.1.1.2.1.3.1 Test RB = RB6#0



4.1.1.2.2 Test Bandwidth = 3

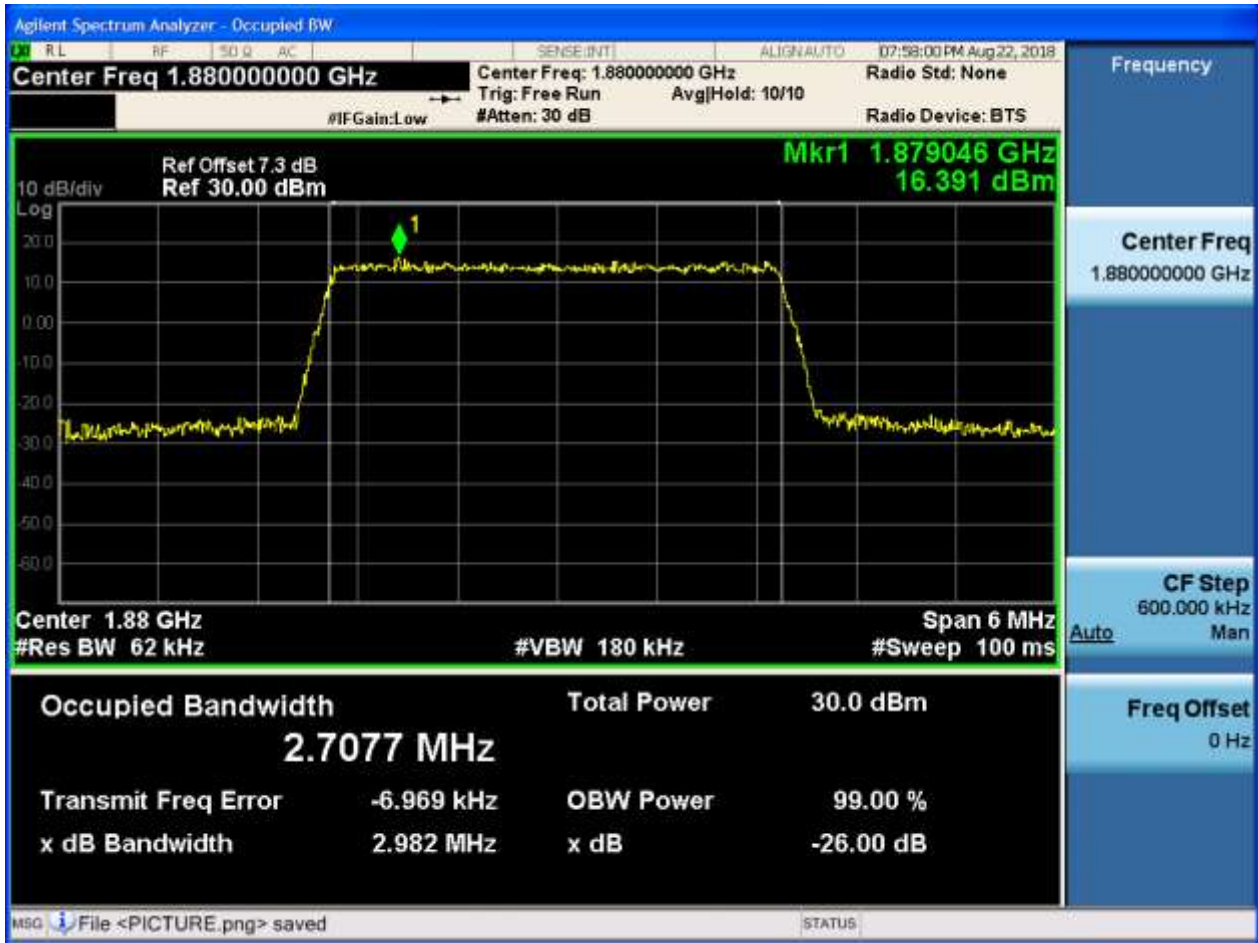
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



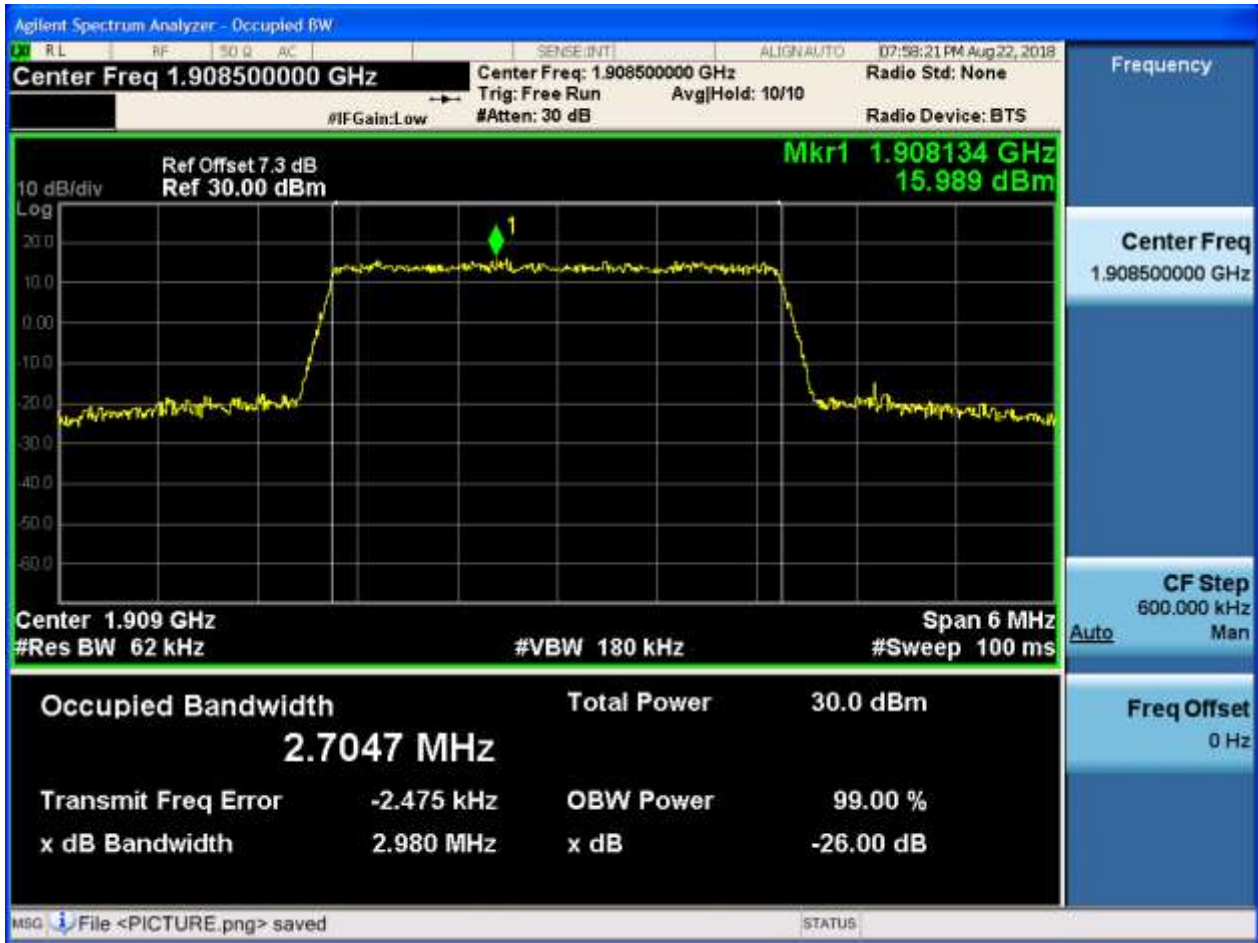
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

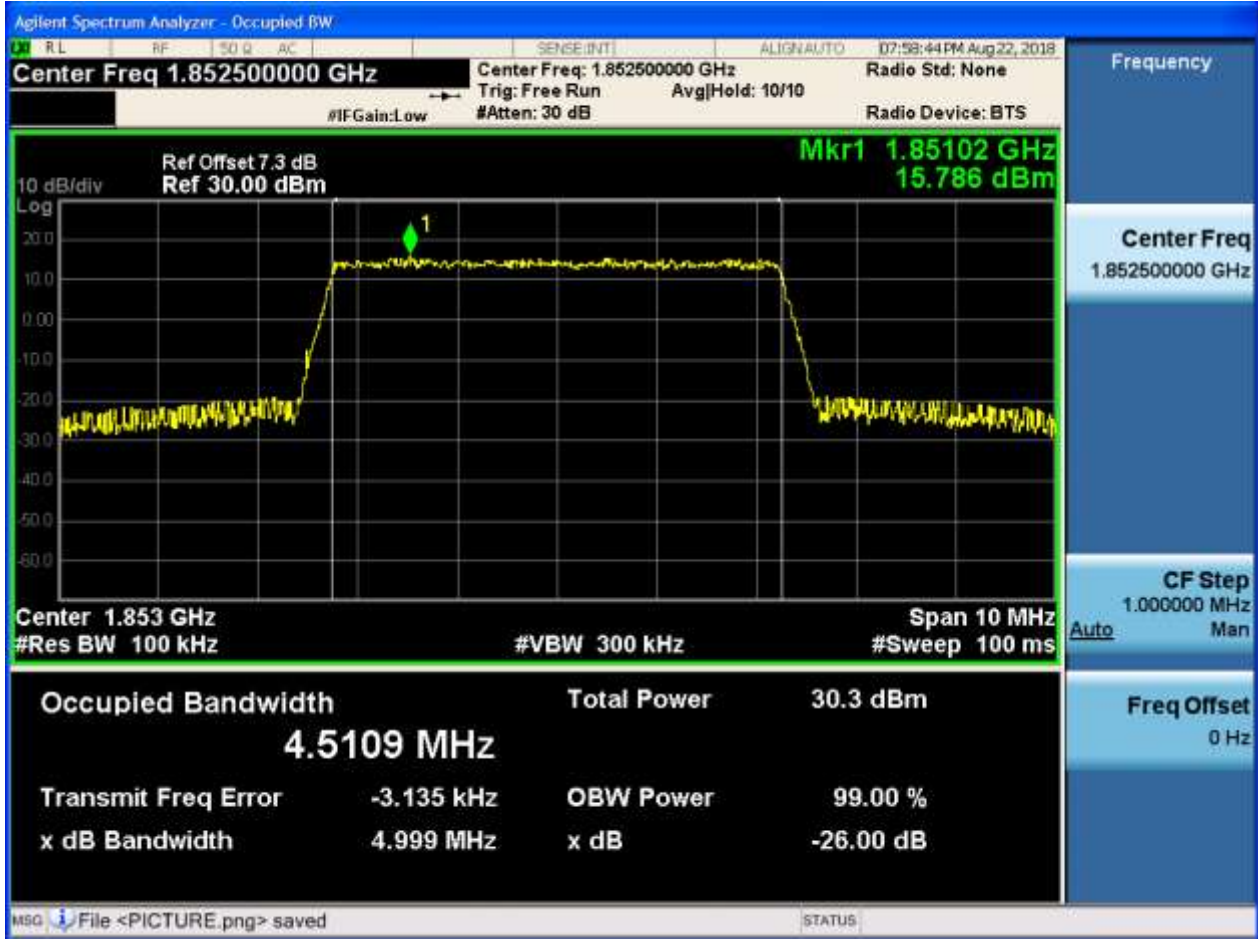
4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

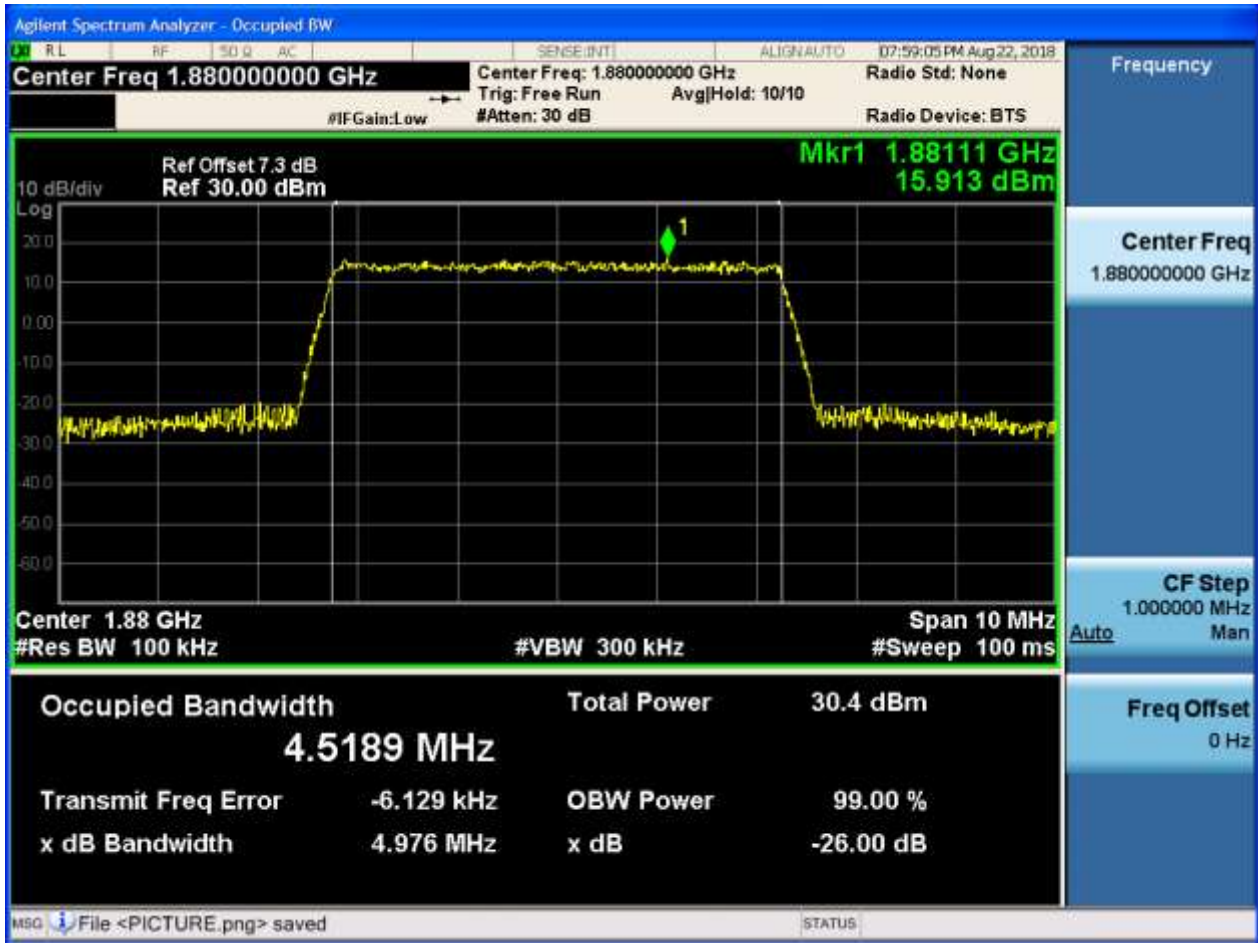
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0



4.1.1.2.3.3 Test Channel = HCH

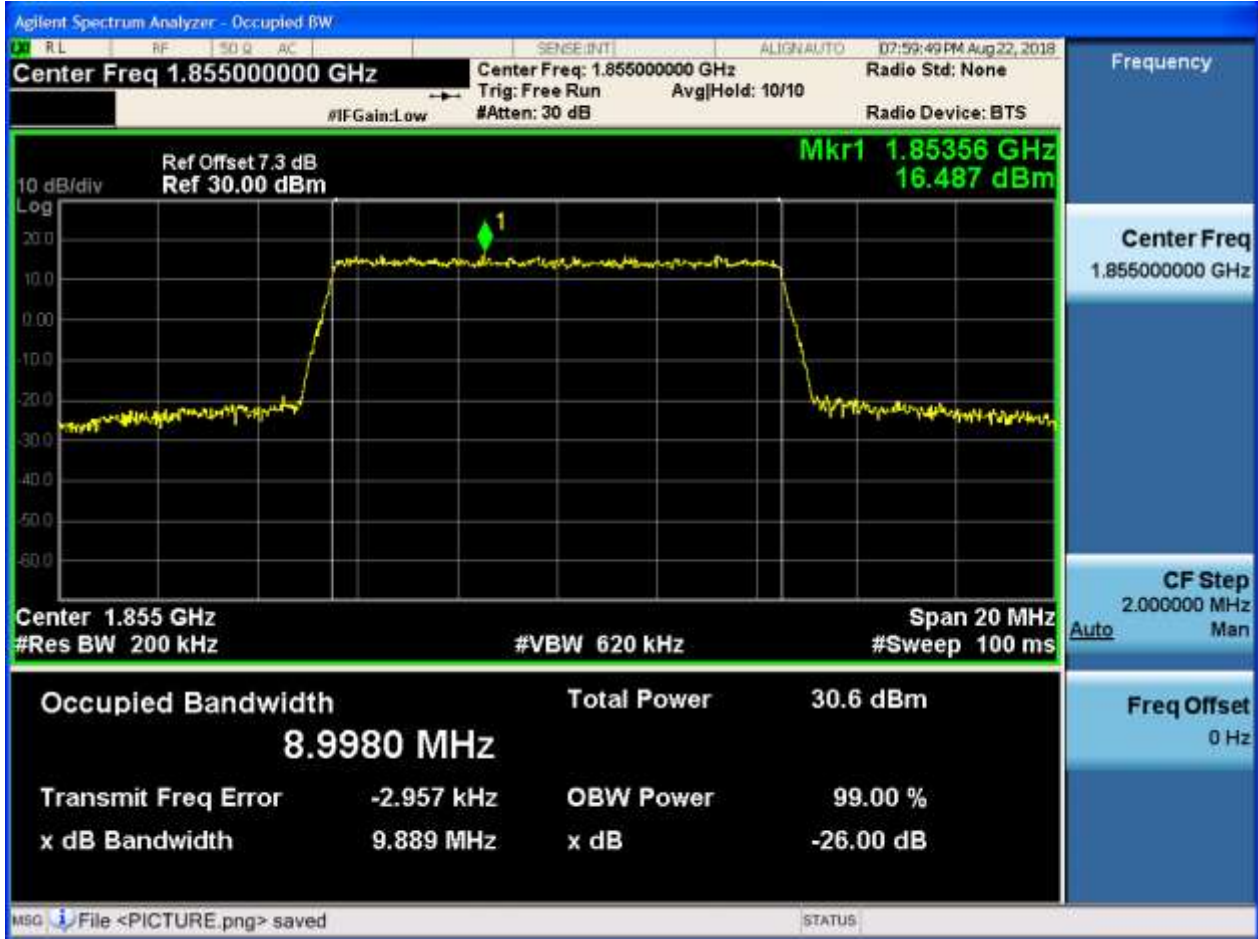
4.1.1.2.3.3.1 Test RB = RB25#0



4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

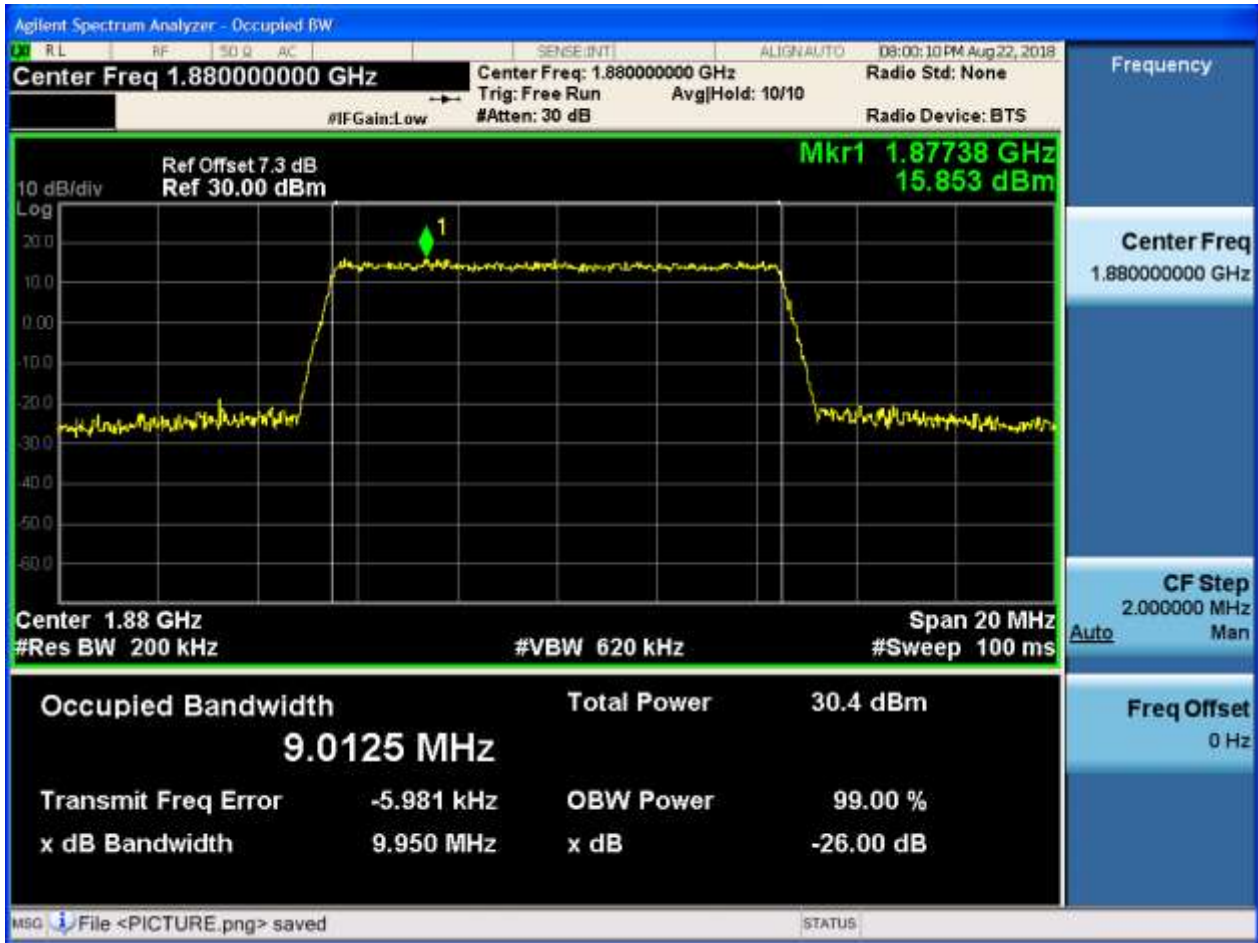
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB50#0



4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0



4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



4.1.1.2.5.2 Test Channel = MCH

4.1.1.2.5.2.1 Test RB = RB75#0



4.1.1.2.5.3 Test Channel = HCH

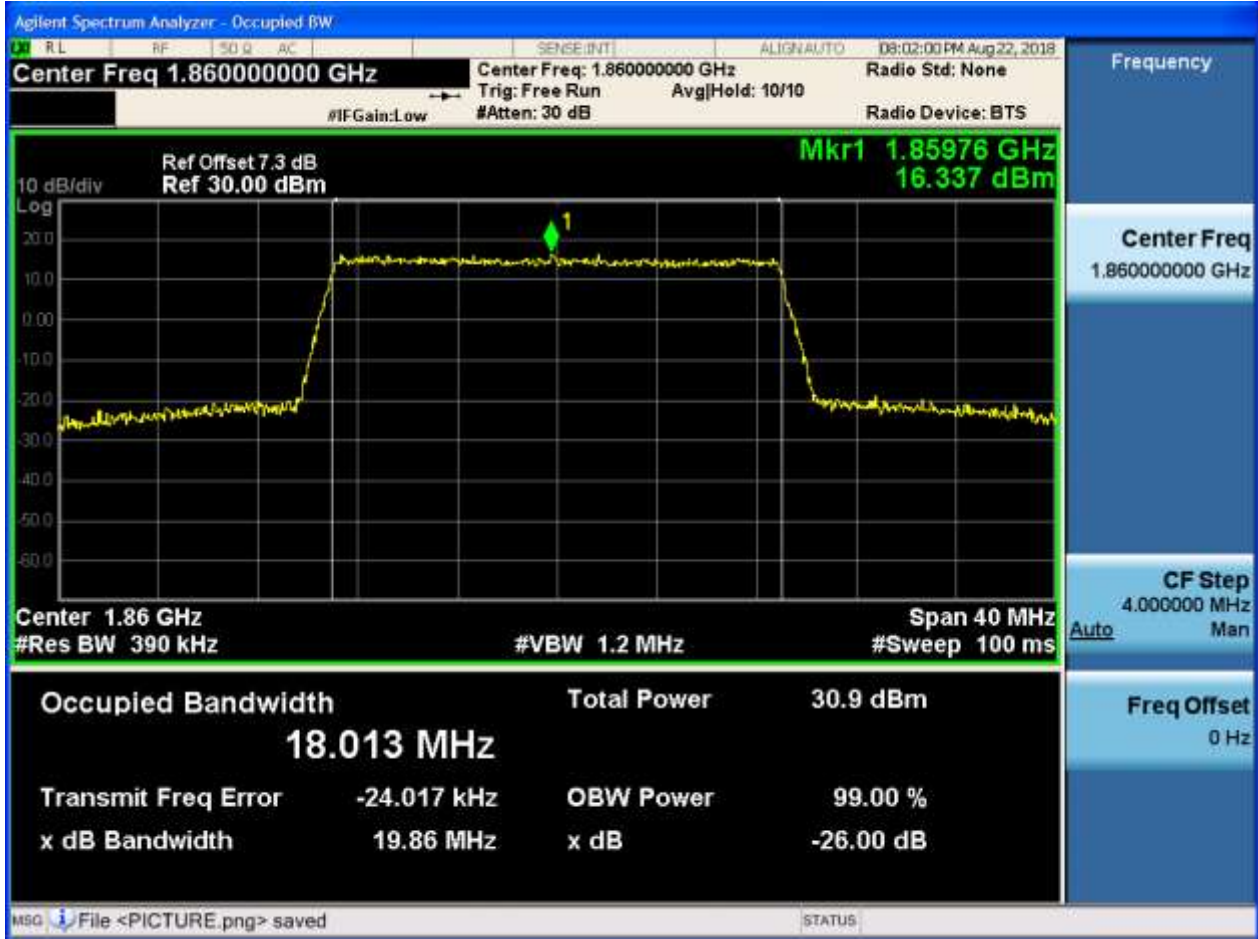
4.1.1.2.5.3.1 Test RB = RB75#0



4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0



4.1.1.2.6.2 Test Channel = MCH

4.1.1.2.6.2.1 Test RB = RB100#0



4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

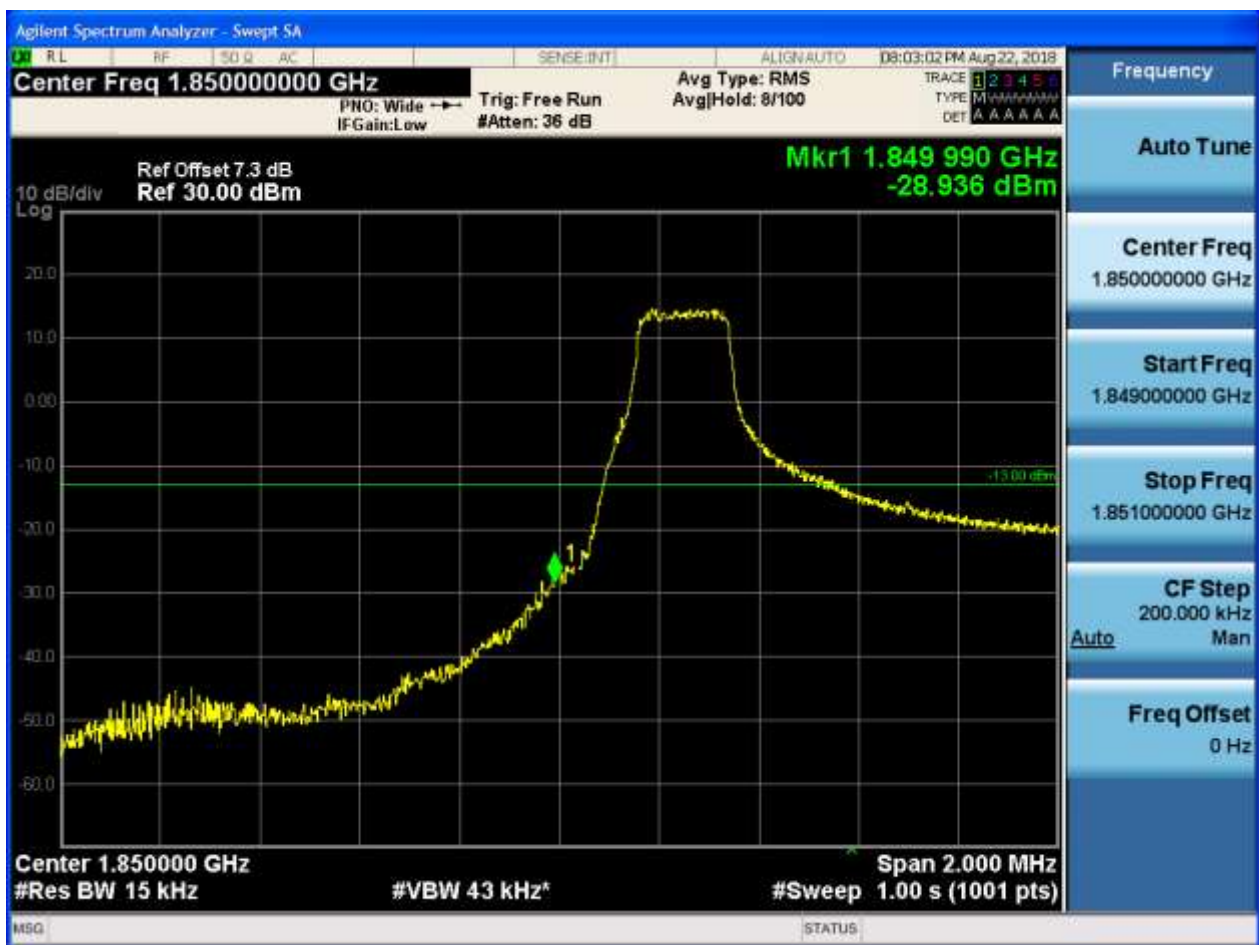
5.1.1 Test Band = BAND2

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

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#5





5.1.1.1.1.4 Test RB = RB6#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#5



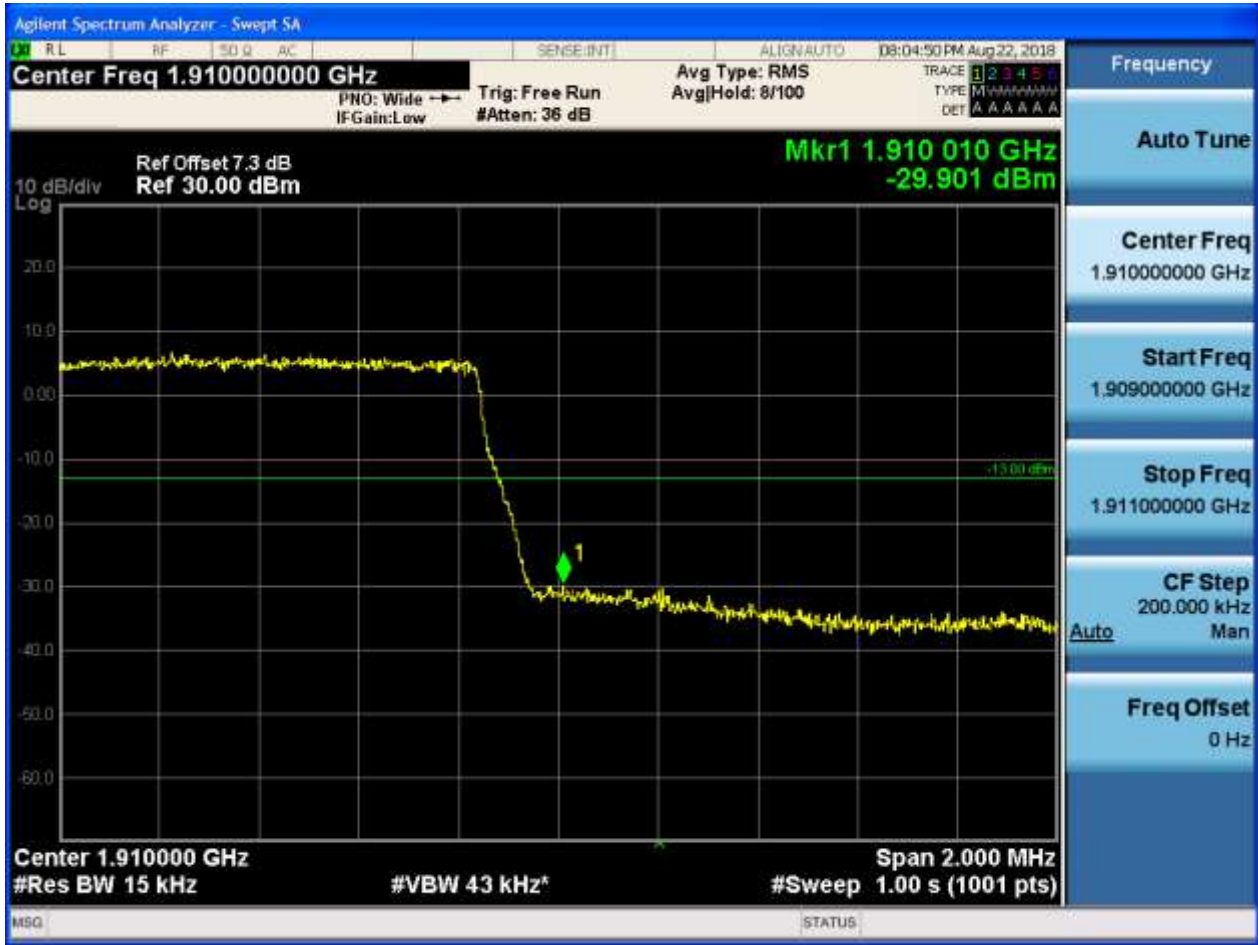


5.1.1.1.1.2.3 Test RB = RB3#2





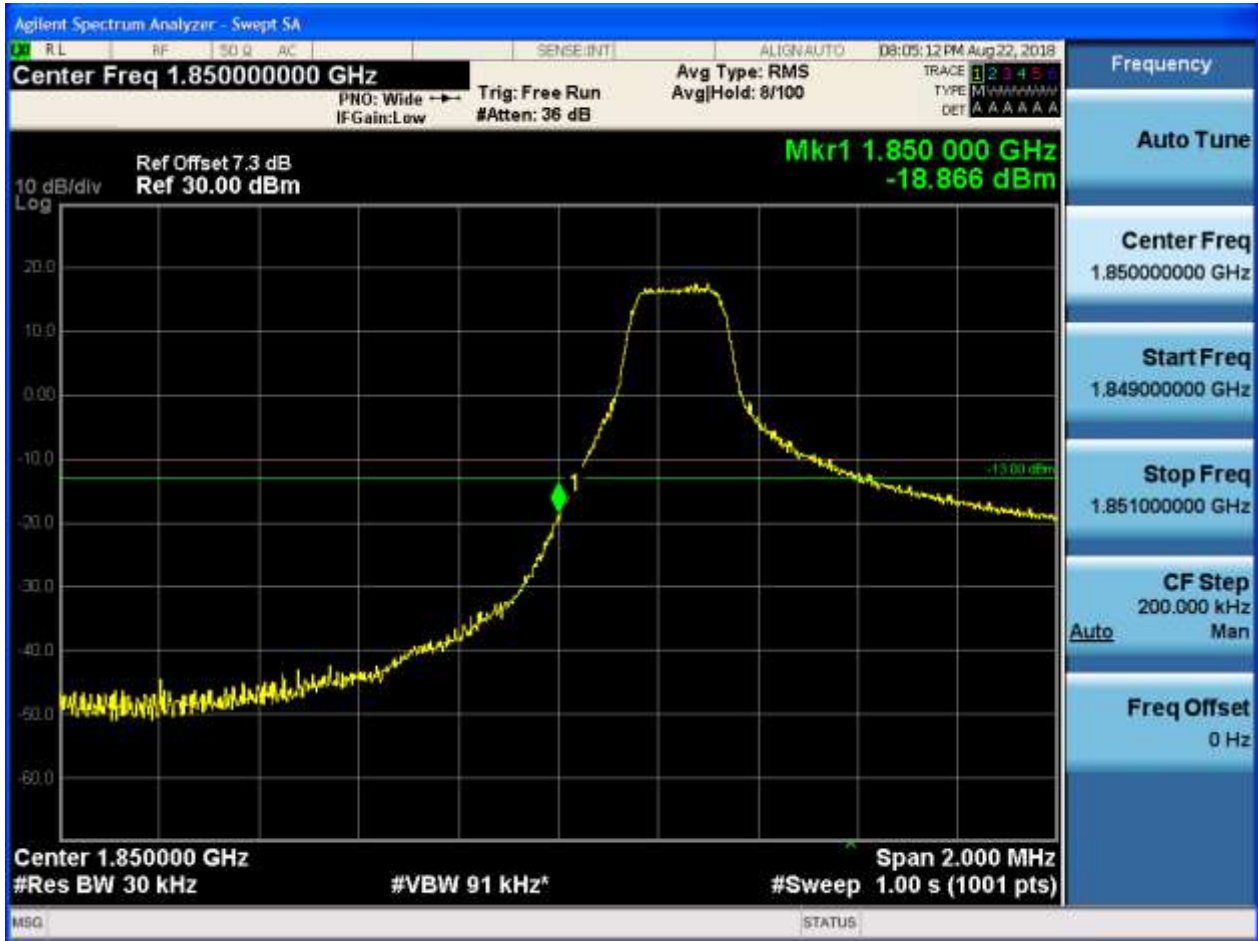
5.1.1.1.1.2.4 Test RB = RB6#0



5.1.1.1.2 Test Bandwidth = 3

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#14





5.1.1.1.2.1.3 Test RB = RB8#4





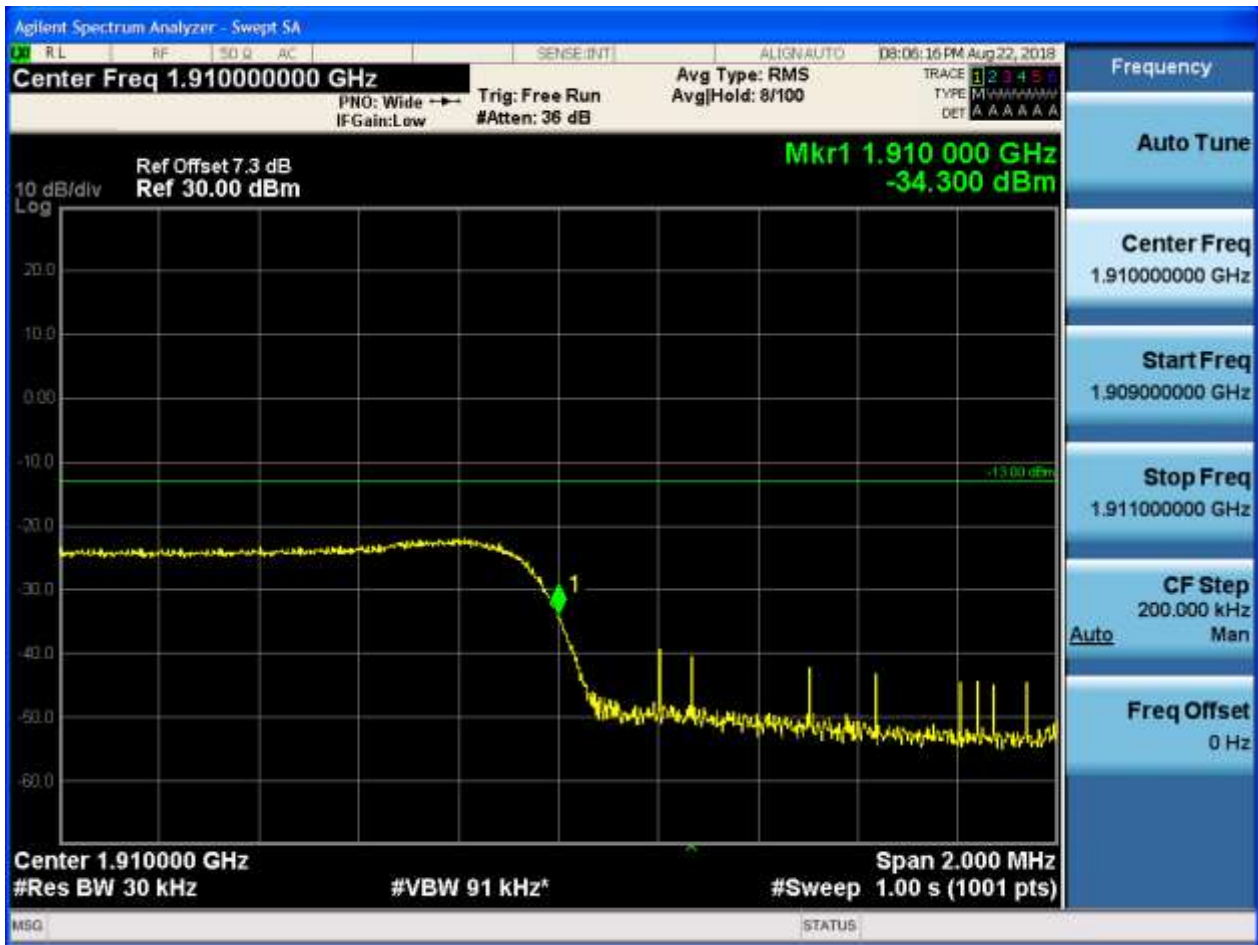
5.1.1.1.2.1.4 Test RB = RB15#0





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#14





5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

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#24





5.1.1.1.3.1.3 Test RB = RB12#6





5.1.1.1.3.1.4 Test RB = RB25#0



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#24





5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

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#49





5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0



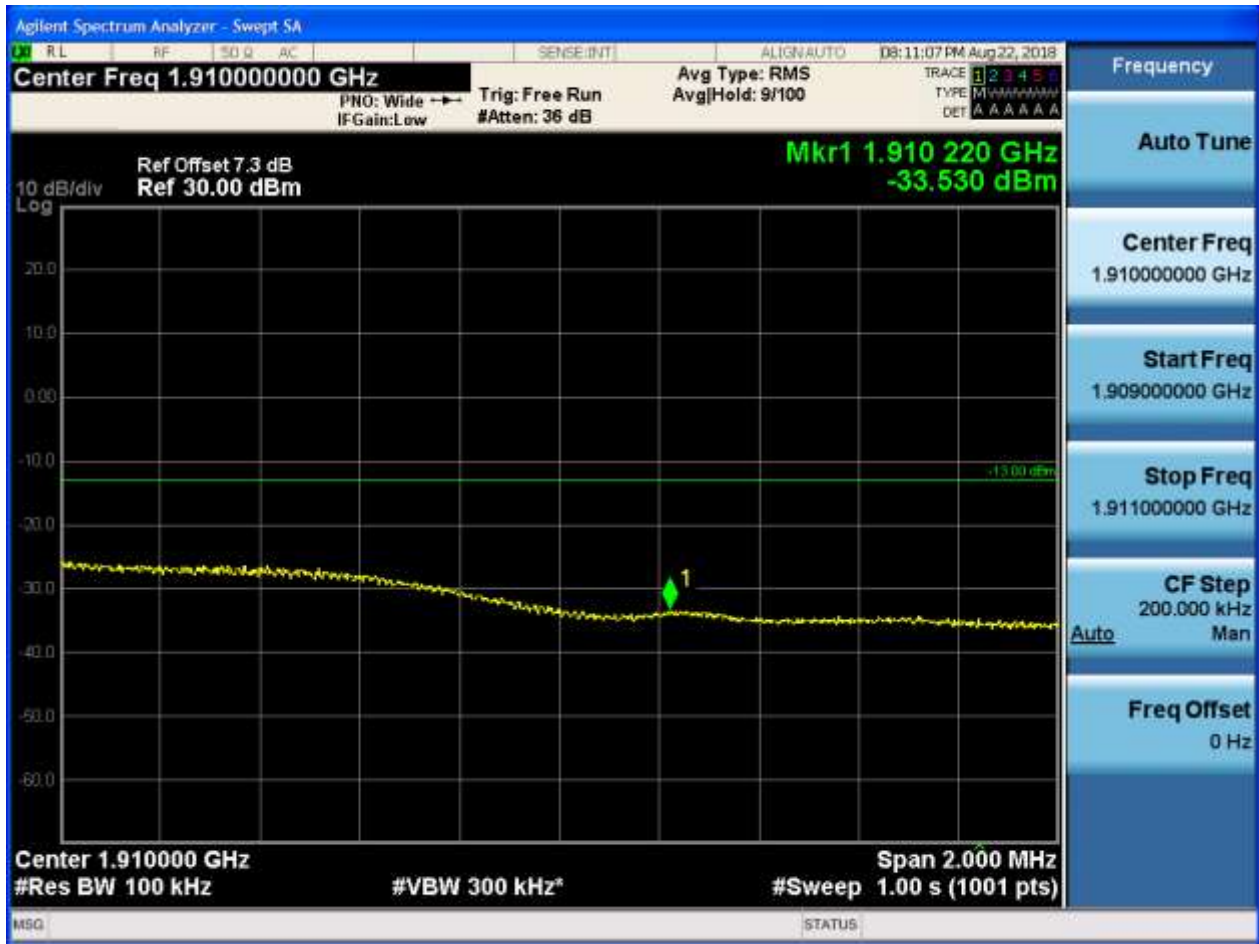
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.3 Test RB = RB25#13



5.1.1.1.5 Test Bandwidth = 15

5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74





5.1.1.1.5.1.3 Test RB = RB38#19





5.1.1.1.5.1.4 Test RB = RB75#0





5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0



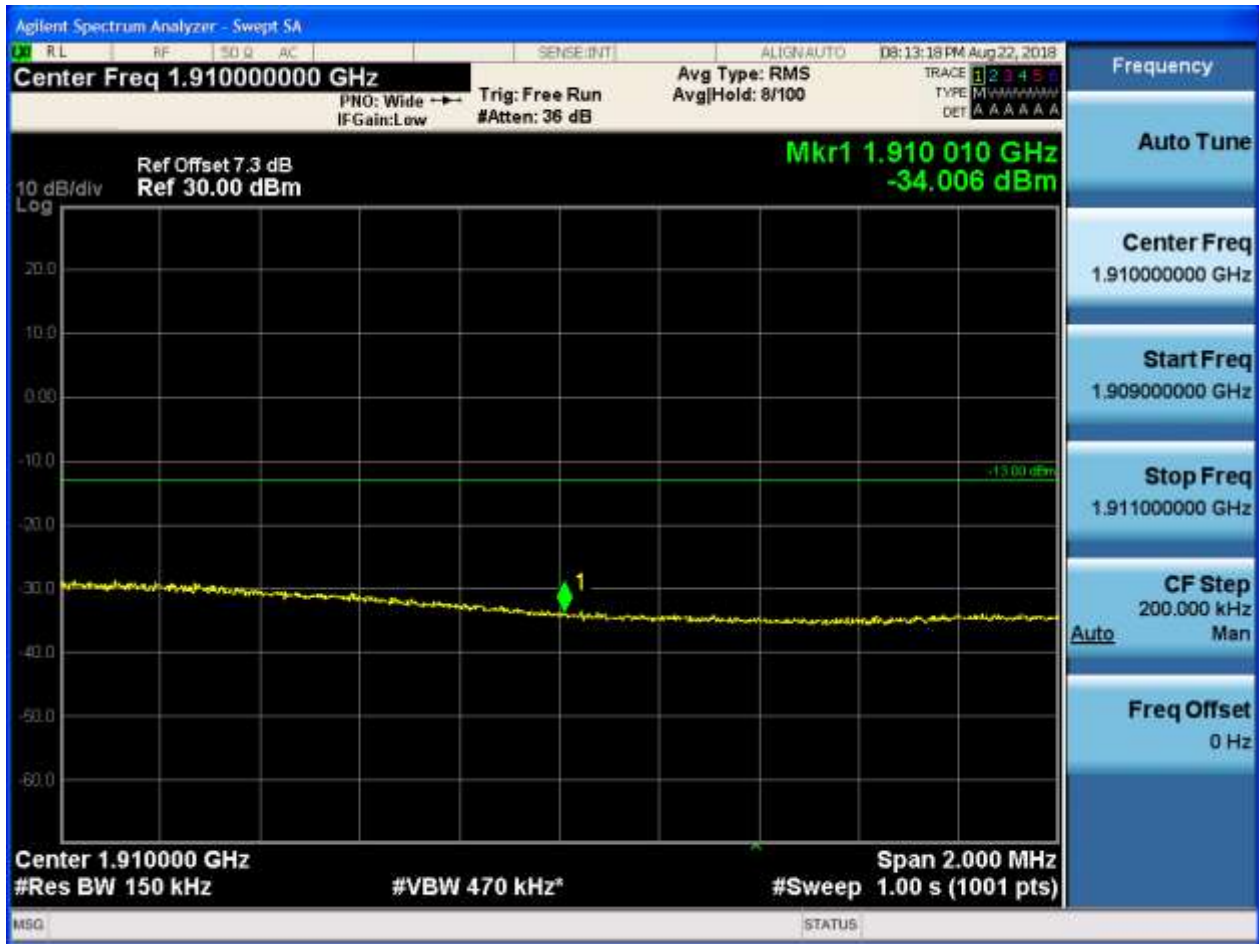


5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0



5.1.1.1.6 Test Bandwidth = 20

5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0



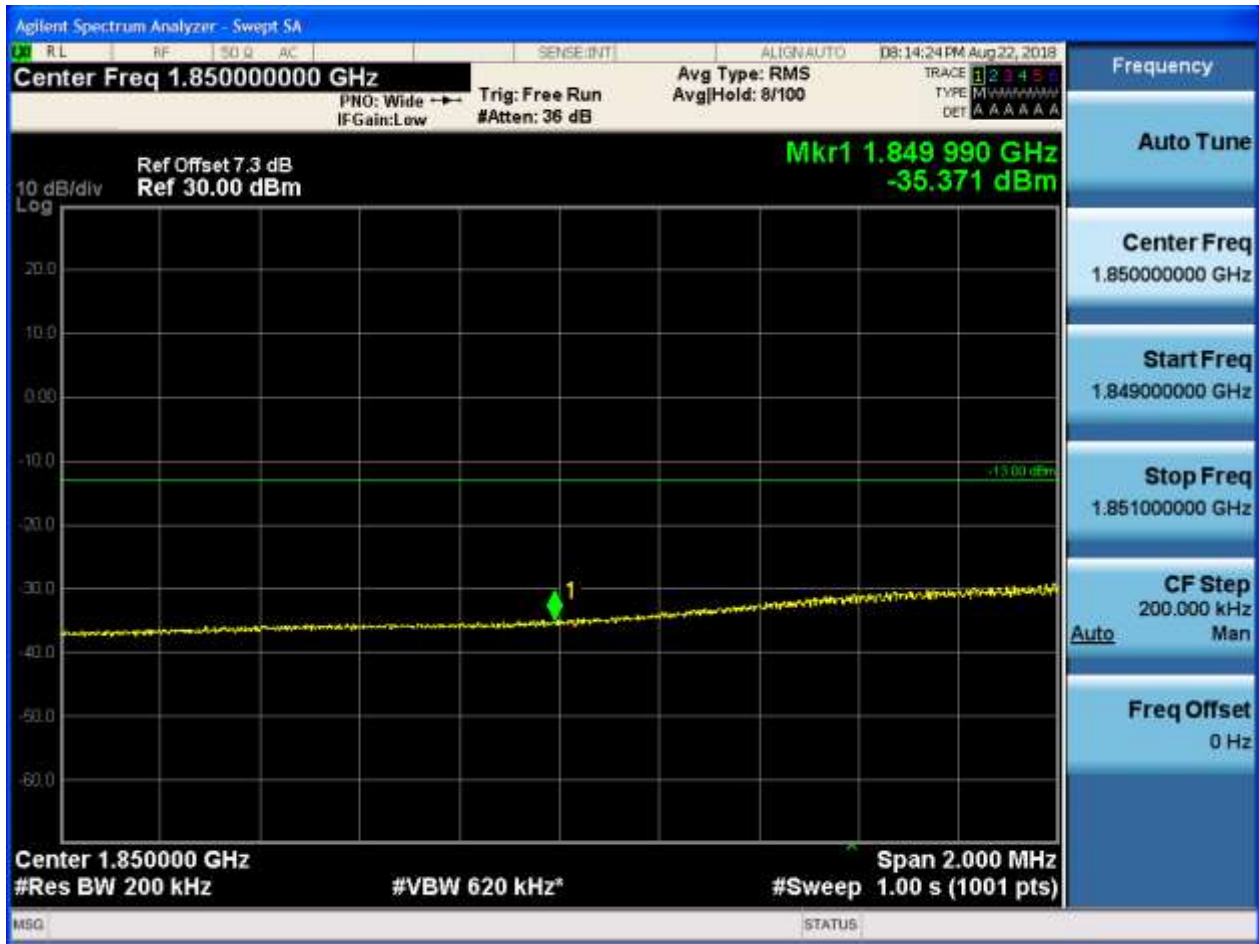


5.1.1.1.6.1.2 Test RB = RB1#99





5.1.1.1.6.1.3 Test RB = RB50#25





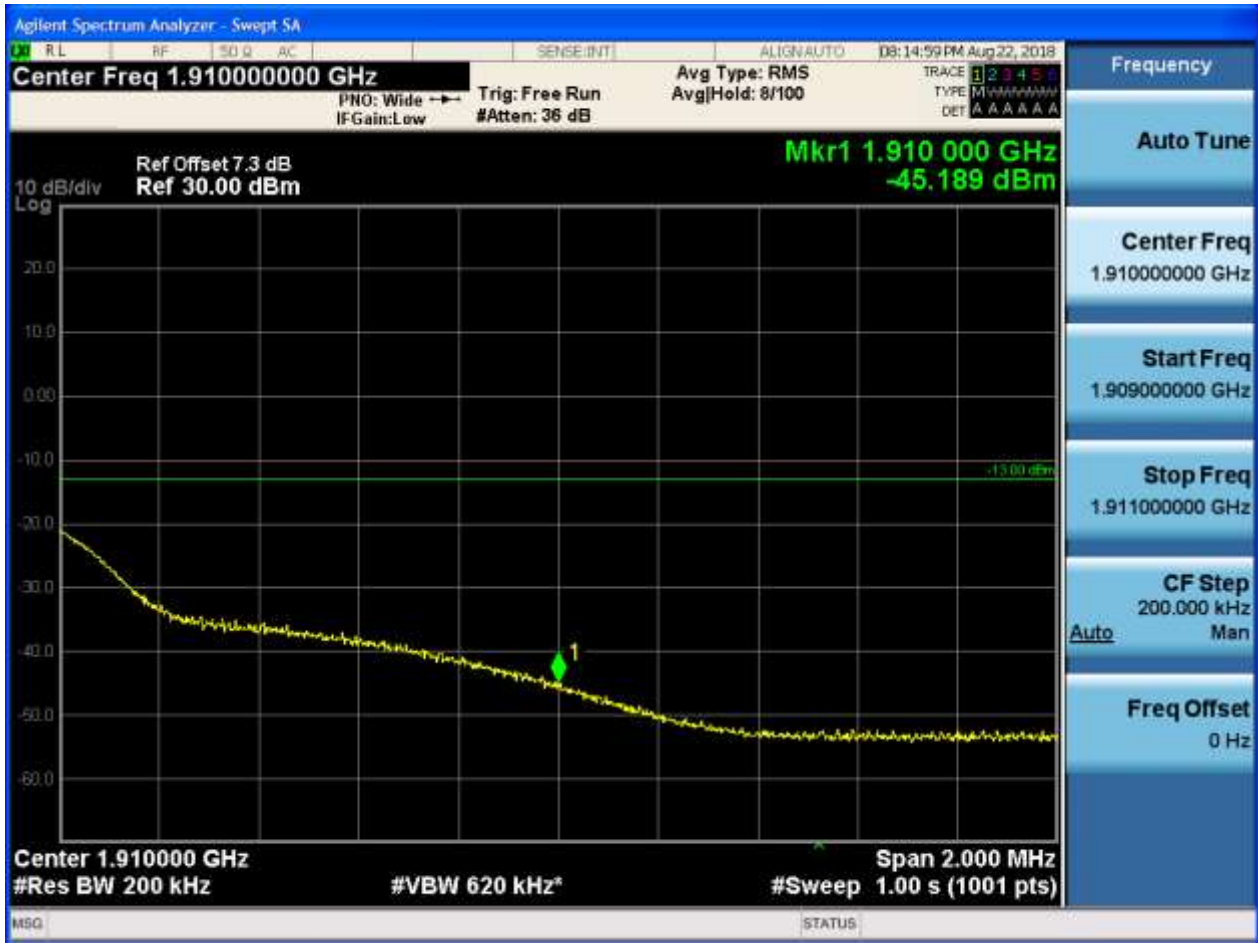
5.1.1.1.6.1.4 Test RB = RB100#0





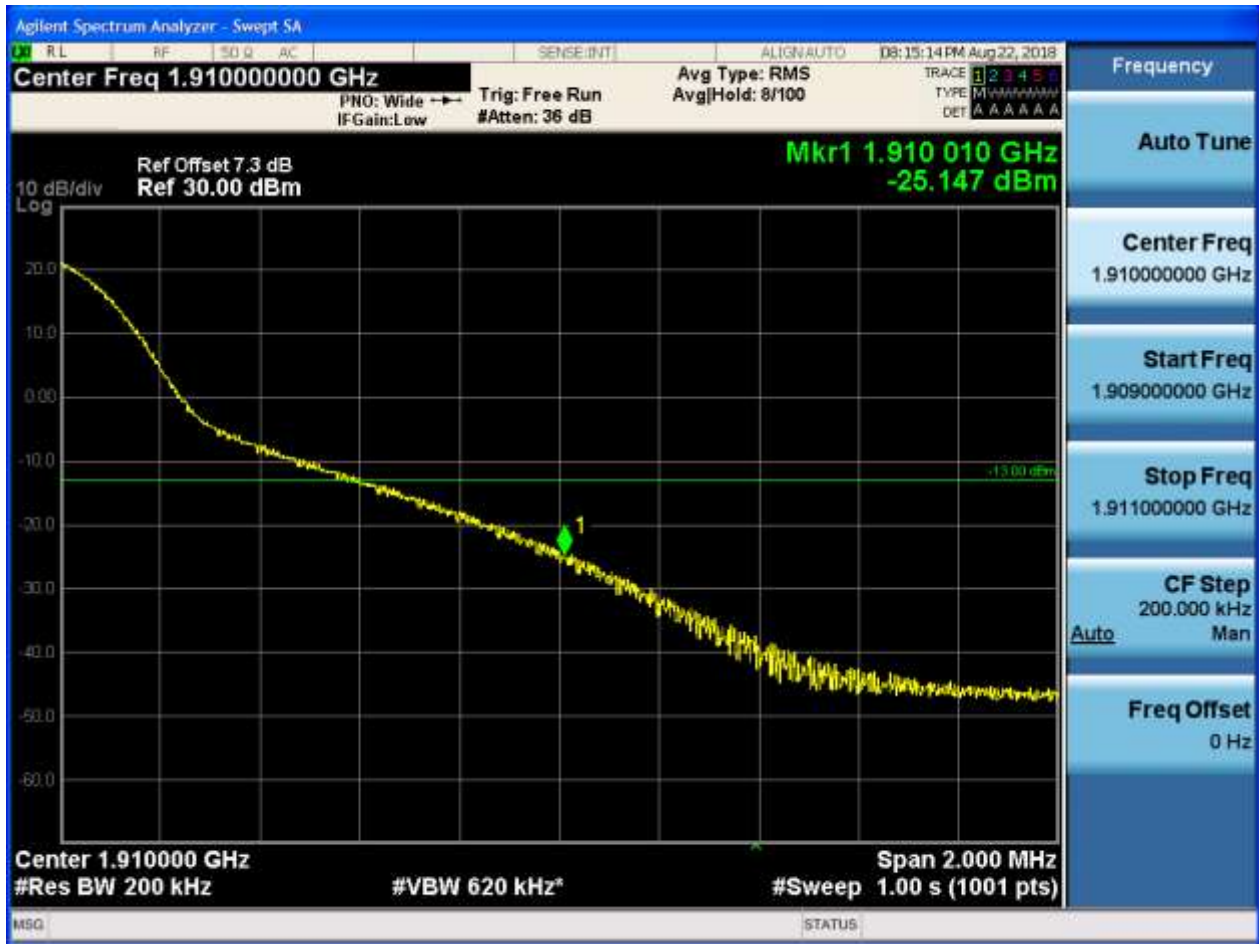
5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0



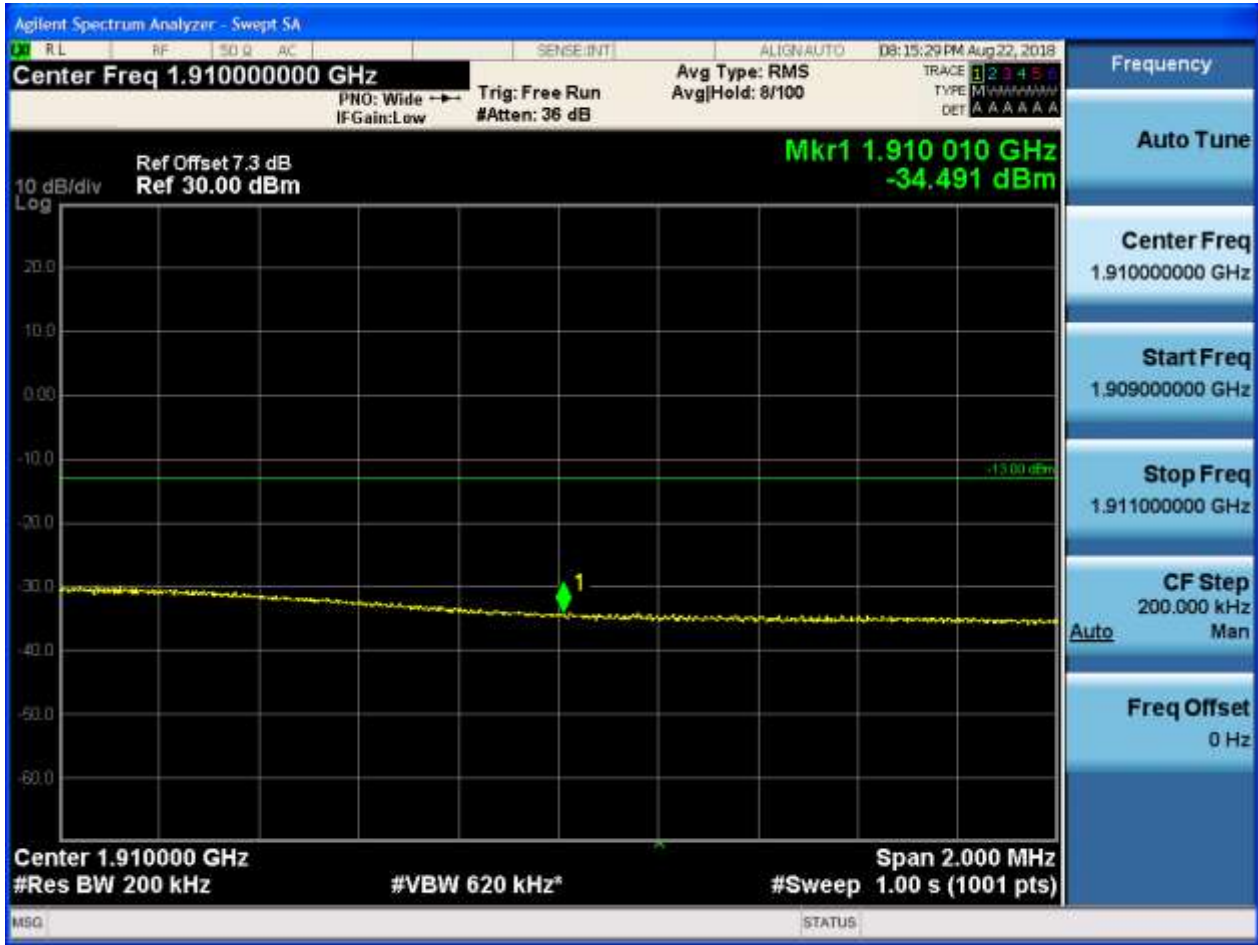


5.1.1.1.6.2.2 Test RB = RB1#99





5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0



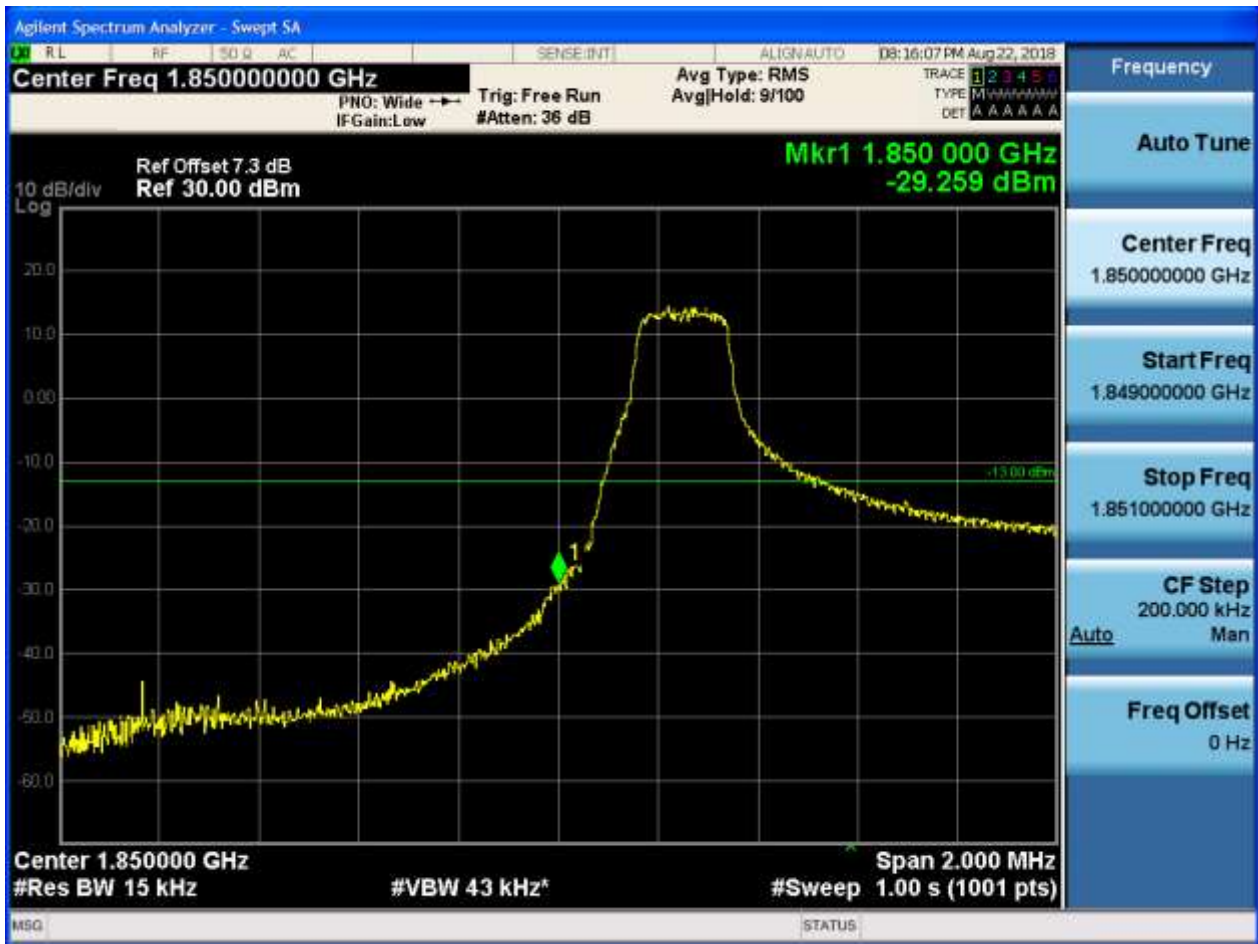


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0



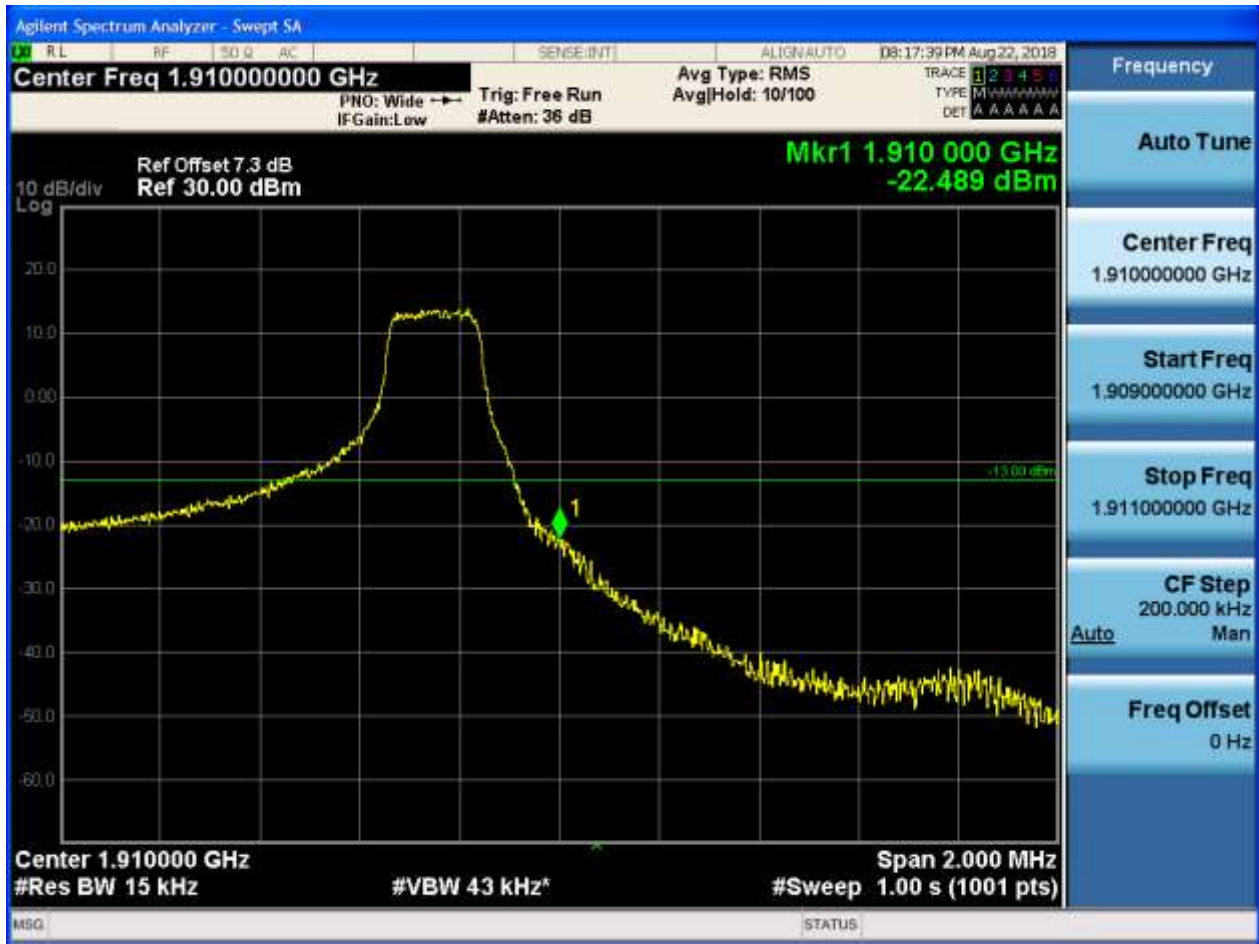
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5



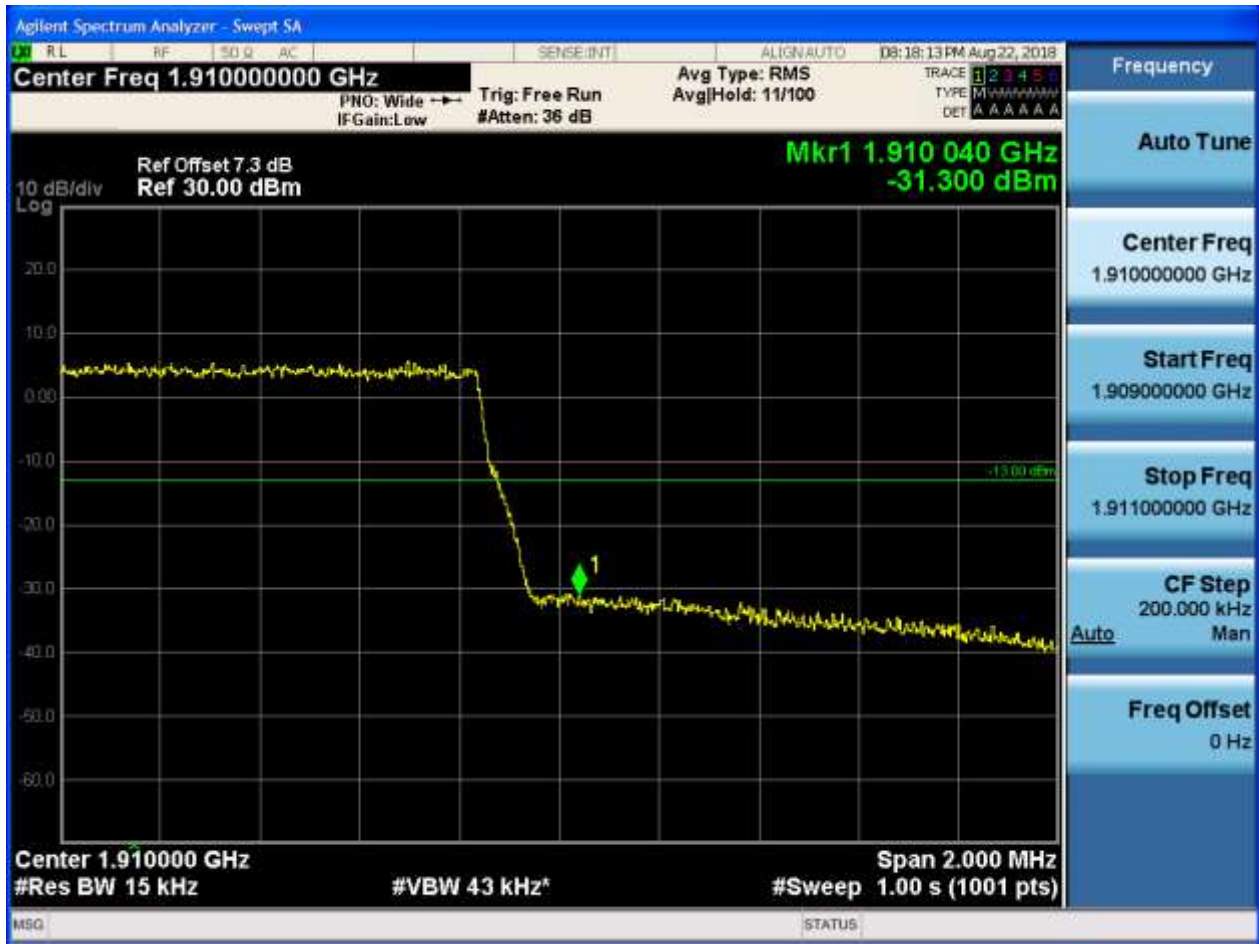


5.1.1.2.1.2.3 Test RB = RB3#2





5.1.1.2.1.2.4 Test RB = RB6#0

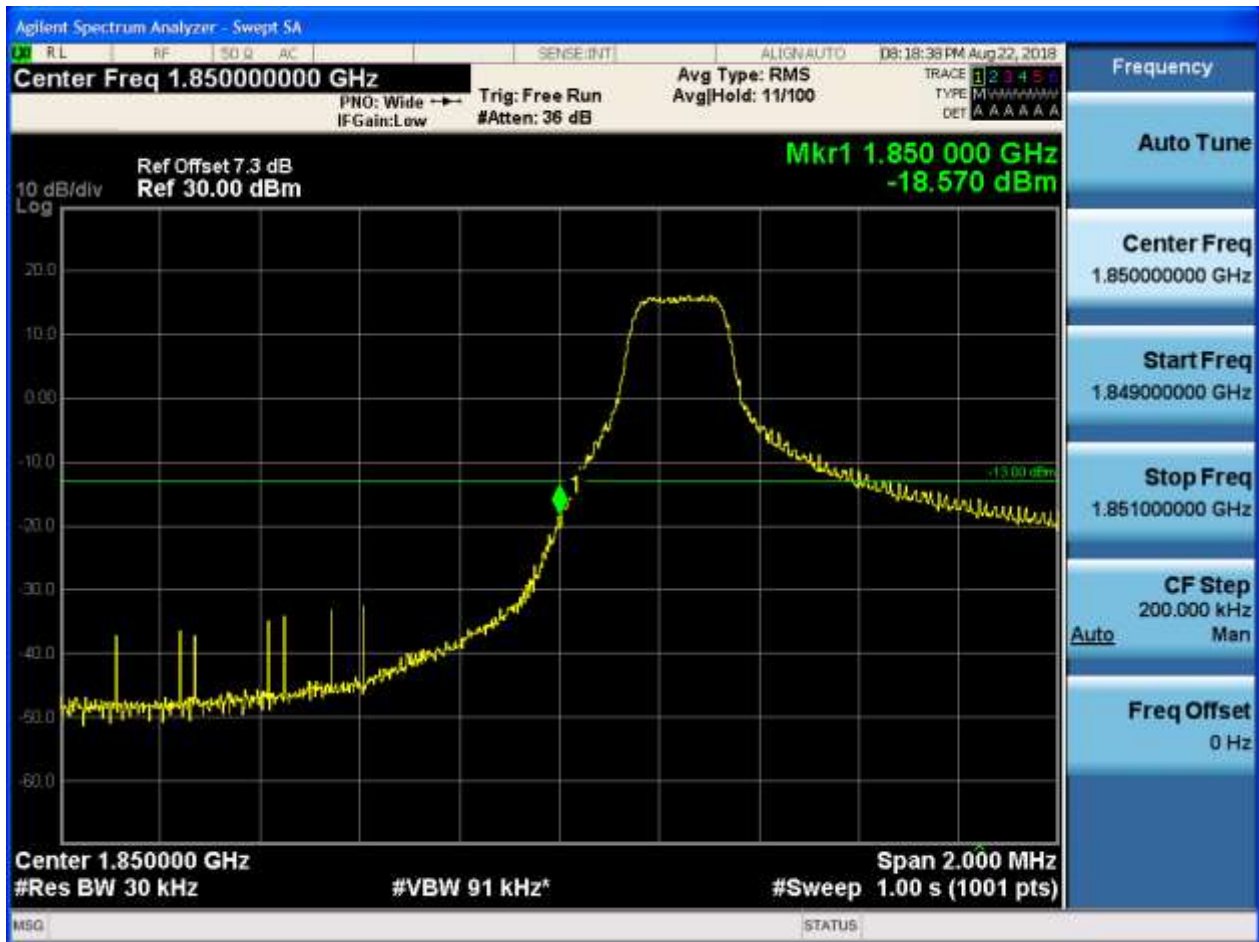




5.1.1.2.2 Test Bandwidth = 3

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#14





5.1.1.2.2.1.3 Test RB = RB8#4





5.1.1.2.2.1.4 Test RB = RB15#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#14





5.1.1.2.2.3 Test RB = RB8#4





5.1.1.2.2.4 Test RB = RB15#0





5.1.1.2.3.1.2 Test RB = RB1#24





5.1.1.2.3.1.3 Test RB = RB12#6





5.1.1.2.3.1.4 Test RB = RB25#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#24





Agilent Spectrum Analyzer - Swept SA

D3 RL RF SQ Q AC SENSE INT ALIGN AUTO 08:22:59 PM Aug 22, 2018

Center Freq 1.91000000 GHz

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

Avg Type: RMS
Avg/Hold: 11/100

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 30.00 dBm

Mkr1 1.910 000 GHz
-32.165 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency
Auto Tune
Center Freq 1.91000000 GHz
Start Freq 1.909000000 GHz
Stop Freq 1.911000000 GHz
CF Step 200.000 kHz <u>Man</u>
Freq Offset 0 Hz



5.1.1.2.3.2.4 Test RB = RB25#0



5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





5.1.1.2.4.1.2 Test RB = RB1#49





5.1.1.2.4.1.3 Test RB = RB25#13





5.1.1.2.4.1.4 Test RB = RB50#0

