



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	22.83	21.94	33	PASS
				RB1#3	22.7	21.81	33	PASS
				RB1#5	22.82	21.93	33	PASS
				RB3#0	22.67	21.78	33	PASS
				RB3#2	22.49	21.6	33	PASS
				RB3#3	22.71	21.82	33	PASS
				RB6#0	21.72	20.83	33	PASS
			MCH	RB1#0	22.91	22.02	33	PASS
				RB1#3	22.53	21.64	33	PASS
				RB1#5	23.2	22.31	33	PASS
				RB3#0	22.88	21.99	33	PASS
				RB3#2	22.52	21.63	33	PASS
				RB3#3	22.99	22.1	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.68	20.79	33	PASS
				RB1#0	22.81	21.92	33	PASS
			HCH	RB1#3	22.69	21.8	33	PASS
				RB1#5	22.79	21.9	33	PASS
				RB3#0	22.6	21.71	33	PASS
				RB3#2	22.62	21.73	33	PASS
				RB3#3	22.76	21.87	33	PASS
				RB6#0	21.68	20.79	33	PASS
		3	LCH	RB1#0	22.62	21.73	33	PASS
				RB1#7	22.36	21.47	33	PASS
				RB1#14	22.65	21.76	33	PASS
				RB8#0	21.56	20.67	33	PASS
				RB8#4	21.67	20.78	33	PASS
				RB8#7	21.65	20.76	33	PASS
				RB15#0	21.7	20.81	33	PASS
			MCH	RB1#0	22.89	22	33	PASS
				RB1#7	22.98	22.09	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.95	22.06	33	PASS
				RB8#0	21.81	20.92	33	PASS
				RB8#4	21.81	20.92	33	PASS
				RB8#7	21.7	20.81	33	PASS
				RB15#0	21.98	21.09	33	PASS
			HCH	RB1#0	22.81	21.92	33	PASS
				RB1#7	22.39	21.5	33	PASS
				RB1#14	22.82	21.93	33	PASS
				RB8#0	21.82	20.93	33	PASS
				RB8#4	21.59	20.7	33	PASS
				RB8#7	21.7	20.81	33	PASS
				RB15#0	21.82	20.93	33	PASS
		5	LCH	RB1#0	22.78	21.89	33	PASS
				RB1#13	22.69	21.8	33	PASS
				RB1#24	22.86	21.97	33	PASS
				RB12#0	21.82	20.93	33	PASS
				RB12#6	21.78	20.89	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.76	20.87	33	PASS
				RB25#0	21.77	20.88	33	PASS
			MCH	RB1#0	22.91	22.02	33	PASS
				RB1#13	22.87	21.98	33	PASS
				RB1#24	22.91	22.02	33	PASS
				RB12#0	21.95	21.06	33	PASS
				RB12#6	21.86	20.97	33	PASS
				RB12#13	22	21.11	33	PASS
				RB25#0	21.95	21.06	33	PASS
			HCH	RB1#0	23.09	22.2	33	PASS
				RB1#13	23.03	22.14	33	PASS
				RB1#24	23.11	22.22	33	PASS
				RB12#0	22.07	21.18	33	PASS
				RB12#6	21.96	21.07	33	PASS
				RB12#13	22.08	21.19	33	PASS
				RB25#0	22	21.11	33	PASS
		10	LCH	RB1#0	22.59	21.7	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.54	21.65	33	PASS
				RB1#49	22.63	21.74	33	PASS
				RB25#0	21.65	20.76	33	PASS
				RB25#13	21.68	20.79	33	PASS
				RB25#25	21.72	20.83	33	PASS
				RB50#0	21.67	20.78	33	PASS
			MCH	RB1#0	22.95	22.06	33	PASS
				RB1#25	22.88	21.99	33	PASS
				RB1#49	23	22.11	33	PASS
				RB25#0	21.89	21	33	PASS
				RB25#13	21.91	21.02	33	PASS
				RB25#25	21.95	21.06	33	PASS
				RB50#0	21.89	21	33	PASS
			HCH	RB1#0	22.98	22.09	33	PASS
				RB1#25	23.06	22.17	33	PASS
				RB1#49	22.94	22.05	33	PASS
				RB25#0	21.94	21.05	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.88	20.99	33	PASS
				RB25#25	21.86	20.97	33	PASS
				RB50#0	21.88	20.99	33	PASS
		15	LCH	RB1#0	22.76	21.87	33	PASS
				RB1#38	22.81	21.92	33	PASS
				RB1#74	22.73	21.84	33	PASS
				RB38#0	21.84	20.95	33	PASS
				RB38#19	21.79	20.9	33	PASS
				RB38#39	21.79	20.9	33	PASS
				RB75#0	21.8	20.91	33	PASS
			MCH	RB1#0	22.78	21.89	33	PASS
				RB1#38	22.81	21.92	33	PASS
				RB1#74	22.73	21.84	33	PASS
				RB38#0	21.84	20.95	33	PASS
				RB38#19	21.87	20.98	33	PASS
				RB38#39	21.94	21.05	33	PASS
				RB75#0	21.77	20.88	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.94	22.05	33	PASS
				RB1#38	23.04	22.15	33	PASS
				RB1#74	22.89	22	33	PASS
				RB38#0	22	21.11	33	PASS
				RB38#19	21.99	21.1	33	PASS
				RB38#39	21.99	21.1	33	PASS
				RB75#0	22	21.11	33	PASS
		20	LCH	RB1#0	22.86	21.97	33	PASS
				RB1#50	22.55	21.66	33	PASS
				RB1#99	22.97	22.08	33	PASS
				RB50#0	21.86	20.97	33	PASS
				RB50#25	21.88	20.99	33	PASS
				RB50#50	21.89	21	33	PASS
				RB100#0	21.91	21.02	33	PASS
			MCH	RB1#0	23.12	22.23	33	PASS
				RB1#50	22.78	21.89	33	PASS
				RB1#99	23.17	22.28	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.99	21.1	33	PASS
				RB50#25	22.03	21.14	33	PASS
				RB50#50	22.08	21.19	33	PASS
				RB100#0	22.05	21.16	33	PASS
			HCH	RB1#0	23.16	22.27	33	PASS
				RB1#50	22.97	22.08	33	PASS
				RB1#99	23.15	22.26	33	PASS
				RB50#0	22.11	21.22	33	PASS
				RB50#25	22.12	21.23	33	PASS
				RB50#50	22.08	21.19	33	PASS
				RB100#0	22.08	21.19	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.99	21.1	33	PASS
				RB1#3	21.78	20.89	33	PASS
				RB1#5	21.99	21.1	33	PASS
				RB3#0	21.57	20.68	33	PASS
				RB3#2	21.38	20.49	33	PASS
				RB3#3	21.63	20.74	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	20.69	19.8	33	PASS
			MCH	RB1#0	22.13	21.24	33	PASS
				RB1#3	21.83	20.94	33	PASS
				RB1#5	22.14	21.25	33	PASS
				RB3#0	21.87	20.98	33	PASS
				RB3#2	22.11	21.22	33	PASS
				RB3#3	21.87	20.98	33	PASS
				RB6#0	20.78	19.89	33	PASS
			HCH	RB1#0	22.04	21.15	33	PASS
				RB1#3	21.91	21.02	33	PASS
				RB1#5	21.95	21.06	33	PASS
				RB3#0	21.5	20.61	33	PASS
				RB3#2	21.58	20.69	33	PASS
				RB3#3	21.62	20.73	33	PASS
				RB6#0	20.46	19.57	33	PASS
		3	LCH	RB1#0	21.64	20.75	33	PASS
				RB1#7	21.57	20.68	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.64	20.75	33	PASS
				RB8#0	20.72	19.83	33	PASS
				RB8#4	20.6	19.71	33	PASS
				RB8#7	20.7	19.81	33	PASS
				RB15#0	20.76	19.87	33	PASS
			MCH	RB1#0	22.13	21.24	33	PASS
				RB1#7	21.98	21.09	33	PASS
				RB1#14	22.23	21.34	33	PASS
				RB8#0	20.87	19.98	33	PASS
				RB8#4	20.77	19.88	33	PASS
				RB8#7	20.89	20	33	PASS
				RB15#0	20.85	19.96	33	PASS
			HCH	RB1#0	22.28	21.39	33	PASS
				RB1#7	21.73	20.84	33	PASS
				RB1#14	22.19	21.3	33	PASS
				RB8#0	20.79	19.9	33	PASS
				RB8#4	20.89	20	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	20.77	19.88	33	PASS
				RB15#0	20.9	20.01	33	PASS
		5	LCH	RB1#0	21.92	21.03	33	PASS
				RB1#13	21.94	21.05	33	PASS
				RB1#24	21.89	21	33	PASS
				RB12#0	20.69	19.8	33	PASS
				RB12#6	20.64	19.75	33	PASS
				RB12#13	20.7	19.81	33	PASS
				RB25#0	20.59	19.7	33	PASS
			MCH	RB1#0	22.18	21.29	33	PASS
				RB1#13	22.32	21.43	33	PASS
				RB1#24	22.21	21.32	33	PASS
				RB12#0	21.01	20.12	33	PASS
				RB12#6	20.99	20.1	33	PASS
				RB12#13	21.07	20.18	33	PASS
				RB25#0	20.92	20.03	33	PASS
			HCH	RB1#0	22.47	21.58	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.34	21.45	33	PASS
				RB1#24	22.41	21.52	33	PASS
				RB12#0	21.02	20.13	33	PASS
				RB12#6	20.95	20.06	33	PASS
				RB12#13	21.03	20.14	33	PASS
				RB25#0	20.99	20.1	33	PASS
		10	LCH	RB1#0	21.93	21.04	33	PASS
				RB1#25	21.7	20.81	33	PASS
				RB1#49	21.92	21.03	33	PASS
				RB25#0	20.81	19.92	33	PASS
				RB25#13	20.75	19.86	33	PASS
				RB25#25	20.87	19.98	33	PASS
				RB50#0	20.83	19.94	33	PASS
			MCH	RB1#0	22.02	21.13	33	PASS
				RB1#25	22.06	21.17	33	PASS
				RB1#49	22.01	21.12	33	PASS
				RB25#0	20.88	19.99	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.9	20.01	33	PASS
				RB25#25	20.9	20.01	33	PASS
				RB50#0	20.82	19.93	33	PASS
			HCH	RB1#0	22.17	21.28	33	PASS
				RB1#25	22.02	21.13	33	PASS
				RB1#49	22.15	21.26	33	PASS
				RB25#0	20.87	19.98	33	PASS
				RB25#13	20.92	20.03	33	PASS
				RB25#25	20.88	19.99	33	PASS
				RB50#0	20.92	20.03	33	PASS
		15	LCH	RB1#0	21.86	20.97	33	PASS
				RB1#38	21.98	21.09	33	PASS
				RB1#74	21.96	21.07	33	PASS
				RB38#0	20.72	19.83	33	PASS
				RB38#19	20.72	19.83	33	PASS
				RB38#39	20.7	19.81	33	PASS
				RB75#0	20.77	19.88	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.83	20.94	33	PASS
				RB1#38	21.91	21.02	33	PASS
				RB1#74	21.84	20.95	33	PASS
				RB38#0	20.77	19.88	33	PASS
				RB38#19	20.79	19.9	33	PASS
				RB38#39	20.84	19.95	33	PASS
				RB75#0	20.69	19.8	33	PASS
			HCH	RB1#0	21.99	21.1	33	PASS
				RB1#38	22.09	21.2	33	PASS
				RB1#74	21.97	21.08	33	PASS
				RB38#0	20.9	20.01	33	PASS
				RB38#19	20.88	19.99	33	PASS
				RB38#39	20.94	20.05	33	PASS
				RB75#0	20.88	19.99	33	PASS
		20	LCH	RB1#0	22.06	21.17	33	PASS
				RB1#50	21.96	21.07	33	PASS
				RB1#99	22.26	21.37	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.69	19.8	33	PASS
				RB50#25	20.65	19.76	33	PASS
				RB50#50	20.62	19.73	33	PASS
				RB100#0	20.63	19.74	33	PASS
			MCH	RB1#0	22.16	21.27	33	PASS
				RB1#50	21.48	20.59	33	PASS
				RB1#99	22.21	21.32	33	PASS
				RB50#0	20.98	20.09	33	PASS
				RB50#25	20.96	20.07	33	PASS
				RB50#50	21.01	20.12	33	PASS
				RB100#0	20.96	20.07	33	PASS
			HCH	RB1#0	22.26	21.37	33	PASS
				RB1#50	22.19	21.3	33	PASS
				RB1#99	22.26	21.37	33	PASS
				RB50#0	20.9	20.01	33	PASS
				RB50#25	20.89	20	33	PASS
				RB50#50	20.93	20.04	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.8	20.91	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	3.49	13	PASS
				RB1#3	3.76	13	PASS
				RB1#5	3.67	13	PASS
				RB3#0	4.05	13	PASS
				RB3#2	3.96	13	PASS
				RB3#3	4.05	13	PASS
				RB6#0	4.84	13	PASS
			MCH	RB1#0	4.4	13	PASS
				RB1#3	4.54	13	PASS
				RB1#5	4.45	13	PASS
				RB3#0	5.38	13	PASS
				RB3#2	5.4	13	PASS
				RB3#3	5.54	13	PASS
				RB6#0	5.92	13	PASS
			HCH	RB1#0	3.94	13	PASS
				RB1#3	4.17	13	PASS
				RB1#5	3.66	13	PASS
				RB3#0	4.43	13	PASS
				RB3#2	4.27	13	PASS
				RB3#3	4.17	13	PASS
				RB6#0	5.51	13	PASS
		3	LCH	RB1#0	3.4	13	PASS
				RB1#7	4.03	13	PASS
				RB1#14	4.03	13	PASS
				RB8#0	4.8	13	PASS
				RB8#4	4.72	13	PASS
				RB8#7	5.05	13	PASS
				RB15#0	5.12	13	PASS
			MCH	RB1#0	4.44	13	PASS
				RB1#7	4.78	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	4.57	13	PASS
				RB8#0	5.98	13	PASS
				RB8#4	5.86	13	PASS
				RB8#7	5.82	13	PASS
				RB15#0	5.98	13	PASS
			HCH	RB1#0	4.35	13	PASS
				RB1#7	4.58	13	PASS
				RB1#14	3.67	13	PASS
				RB8#0	5.32	13	PASS
				RB8#4	5.37	13	PASS
				RB8#7	5.4	13	PASS
				RB15#0	5.57	13	PASS
		5	LCH	RB1#0	3.62	13	PASS
				RB1#13	3.96	13	PASS
				RB1#24	4.3	13	PASS
				RB12#0	4.69	13	PASS
				RB12#6	4.83	13	PASS
				RB12#13	5.15	13	PASS
				RB25#0	5.67	13	PASS
			MCH	RB1#0	4.66	13	PASS
				RB1#13	4.79	13	PASS
				RB1#24	4.69	13	PASS
				RB12#0	5.88	13	PASS
				RB12#6	5.85	13	PASS
				RB12#13	5.75	13	PASS
				RB25#0	5.93	13	PASS
			HCH	RB1#0	4.69	13	PASS
				RB1#13	4.28	13	PASS
				RB1#24	3.79	13	PASS
				RB12#0	5.31	13	PASS
				RB12#6	5.3	13	PASS
				RB12#13	5.25	13	PASS
				RB25#0	5.96	13	PASS
		10	LCH	RB1#0	3.53	13	PASS
				RB1#25	4.51	13	PASS
				RB1#49	4.61	13	PASS
				RB25#0	5.15	13	PASS
				RB25#13	5.37	13	PASS
				RB25#25	5.73	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.79	13	PASS
				RB1#0	4.15	13	PASS
			MCH	RB1#25	4.63	13	PASS
				RB1#49	4.49	13	PASS
				RB25#0	5.75	13	PASS
				RB25#13	5.76	13	PASS
				RB25#25	5.75	13	PASS
				RB50#0	5.93	13	PASS
			HCH	RB1#0	4.34	13	PASS
				RB1#25	4.53	13	PASS
				RB1#49	3.83	13	PASS
				RB25#0	5.36	13	PASS
				RB25#13	5.23	13	PASS
				RB25#25	5.39	13	PASS
				RB50#0	5.74	13	PASS
		15	LCH	RB1#0	3.61	13	PASS
				RB1#38	4.64	13	PASS
				RB1#74	4.72	13	PASS
				RB38#0	5.43	13	PASS
				RB38#19	5.76	13	PASS
				RB38#39	5.94	13	PASS
				RB75#0	6.28	13	PASS
			MCH	RB1#0	4.85	13	PASS
				RB1#38	4.81	13	PASS
				RB1#74	4.68	13	PASS
				RB38#0	5.82	13	PASS
				RB38#19	5.9	13	PASS
				RB38#39	5.75	13	PASS
				RB75#0	6.25	13	PASS
			HCH	RB1#0	4.46	13	PASS
				RB1#38	4.43	13	PASS
				RB1#74	3.98	13	PASS
				RB38#0	5.7	13	PASS
				RB38#19	5.37	13	PASS
				RB38#39	5.51	13	PASS
				RB75#0	6.21	13	PASS
		20	LCH	RB1#0	3.55	13	PASS
				RB1#50	4.91	13	PASS
				RB1#99	4.53	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.69	13	PASS
				RB50#25	5.94	13	PASS
				RB50#50	5.7	13	PASS
				RB100#0	6.23	13	PASS
			MCH	RB1#0	4.68	13	PASS
				RB1#50	4.91	13	PASS
				RB1#99	4.49	13	PASS
				RB50#0	5.9	13	PASS
				RB50#25	5.84	13	PASS
				RB50#50	5.99	13	PASS
				RB100#0	6.2	13	PASS
			HCH	RB1#0	4.36	13	PASS
				RB1#50	4.49	13	PASS
				RB1#99	4.11	13	PASS
				RB50#0	5.83	13	PASS
				RB50#25	5.44	13	PASS
				RB50#50	5.48	13	PASS
				RB100#0	6.38	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.32	13	PASS
				RB1#3	4.48	13	PASS
				RB1#5	4.41	13	PASS
				RB3#0	4.68	13	PASS
				RB3#2	4.77	13	PASS
				RB3#3	4.71	13	PASS
				RB6#0	5.81	13	PASS
			MCH	RB1#0	5.66	13	PASS
				RB1#3	5.75	13	PASS
				RB1#5	5.57	13	PASS
				RB3#0	6.06	13	PASS
				RB3#2	6.1	13	PASS
				RB3#3	6.13	13	PASS
				RB6#0	6.58	13	PASS
			HCH	RB1#0	4.75	13	PASS
				RB1#3	4.76	13	PASS
				RB1#5	4.48	13	PASS
				RB3#0	5.58	13	PASS
				RB3#2	5.42	13	PASS
				RB3#3	5.43	13	PASS
				RB6#0	6.45	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3	LCH	RB1#0	4.1	13	PASS
				RB1#7	4.57	13	PASS
				RB1#14	4.68	13	PASS
				RB8#0	5.46	13	PASS
				RB8#4	5.44	13	PASS
				RB8#7	5.66	13	PASS
				RB15#0	5.9	13	PASS
			MCH	RB1#0	5.66	13	PASS
				RB1#7	5.58	13	PASS
				RB1#14	5.49	13	PASS
				RB8#0	6.55	13	PASS
				RB8#4	6.47	13	PASS
				RB8#7	6.52	13	PASS
				RB15#0	6.66	13	PASS
			HCH	RB1#0	4.97	13	PASS
				RB1#7	5.31	13	PASS
				RB1#14	4.35	13	PASS
				RB8#0	6.28	13	PASS
				RB8#4	6.28	13	PASS
				RB8#7	6.25	13	PASS
				RB15#0	6.69	13	PASS
		5	LCH	RB1#0	4.23	13	PASS
				RB1#13	4.69	13	PASS
				RB1#24	5.03	13	PASS
				RB12#0	5.43	13	PASS
				RB12#6	5.51	13	PASS
				RB12#13	5.76	13	PASS
				RB25#0	6.08	13	PASS
			MCH	RB1#0	5.6	13	PASS
				RB1#13	5.52	13	PASS
				RB1#24	5.33	13	PASS
				RB12#0	6.7	13	PASS
				RB12#6	6.46	13	PASS
				RB12#13	6.46	13	PASS
				RB25#0	6.88	13	PASS
			HCH	RB1#0	5	13	PASS
				RB1#13	4.89	13	PASS
				RB1#24	4.49	13	PASS
				RB12#0	6.36	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB12#6	6.25	13	PASS
				RB12#13	6.29	13	PASS
				RB25#0	6.5	13	PASS
			LCH	RB1#0	4.25	13	PASS
				RB1#25	5.11	13	PASS
				RB1#49	5.91	13	PASS
				RB25#0	5.8	13	PASS
				RB25#13	5.98	13	PASS
				RB25#25	6.52	13	PASS
				RB50#0	6.48	13	PASS
		10	MCH	RB1#0	5.58	13	PASS
				RB1#25	5.91	13	PASS
				RB1#49	5.41	13	PASS
				RB25#0	6.65	13	PASS
				RB25#13	6.41	13	PASS
				RB25#25	6.42	13	PASS
				RB50#0	6.81	13	PASS
			HCH	RB1#0	4.88	13	PASS
				RB1#25	5.15	13	PASS
				RB1#49	4.47	13	PASS
				RB25#0	6.51	13	PASS
				RB25#13	6.48	13	PASS
				RB25#25	6.56	13	PASS
				RB50#0	6.94	13	PASS
		15	LCH	RB1#0	4.56	13	PASS
				RB1#38	5.45	13	PASS
				RB1#74	5.66	13	PASS
				RB38#0	6.1	13	PASS
				RB38#19	6.44	13	PASS
				RB38#39	6.71	13	PASS
				RB75#0	6.94	13	PASS
			MCH	RB1#0	5.7	13	PASS
				RB1#38	5.83	13	PASS
				RB1#74	5.47	13	PASS
				RB38#0	6.64	13	PASS
				RB38#19	6.53	13	PASS
				RB38#39	6.56	13	PASS
				RB75#0	6.87	13	PASS
			HCH	RB1#0	4.95	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#38	4.83	13	PASS
				RB1#74	4.67	13	PASS
				RB38#0	6.6	13	PASS
				RB38#19	6.51	13	PASS
				RB38#39	6.65	13	PASS
				RB75#0	6.98	13	PASS
		20	LCH	RB1#0	4.26	13	PASS
				RB1#50	5.61	13	PASS
				RB1#99	5.36	13	PASS
				RB50#0	6.23	13	PASS
				RB50#25	6.62	13	PASS
				RB50#50	6.63	13	PASS
				RB100#0	6.98	13	PASS
			MCH	RB1#0	5.38	13	PASS
				RB1#50	5.81	13	PASS
				RB1#99	5.17	13	PASS
				RB50#0	6.55	13	PASS
				RB50#25	6.41	13	PASS
				RB50#50	6.64	13	PASS
				RB100#0	6.81	13	PASS
			HCH	RB1#0	5.05	13	PASS
				RB1#50	5.45	13	PASS
				RB1#99	4.98	13	PASS
				RB50#0	6.58	13	PASS
				RB50#25	6.44	13	PASS
				RB50#50	6.59	13	PASS
				RB100#0	7.19	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

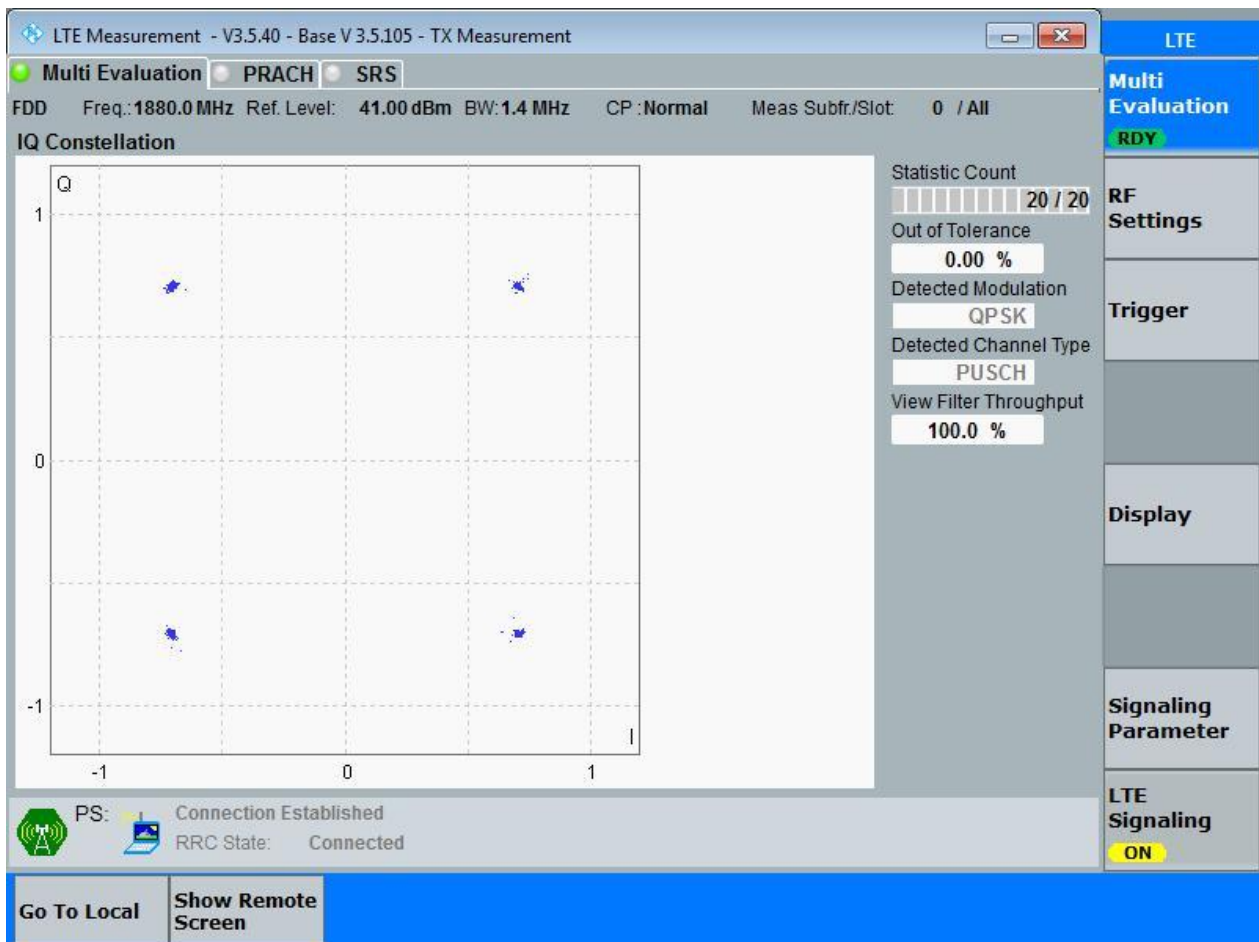
3.1.1 Test Band = BAND2

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

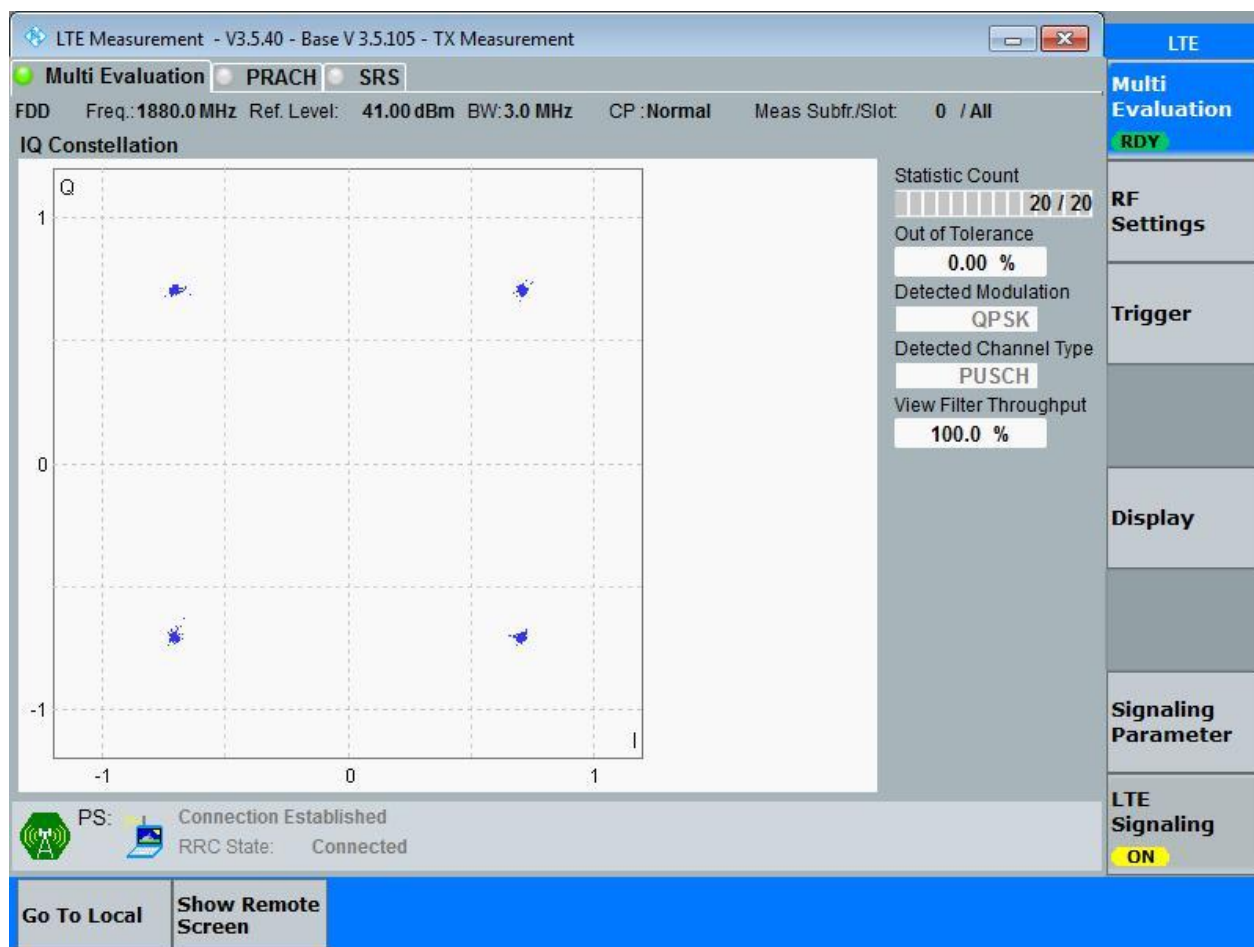
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

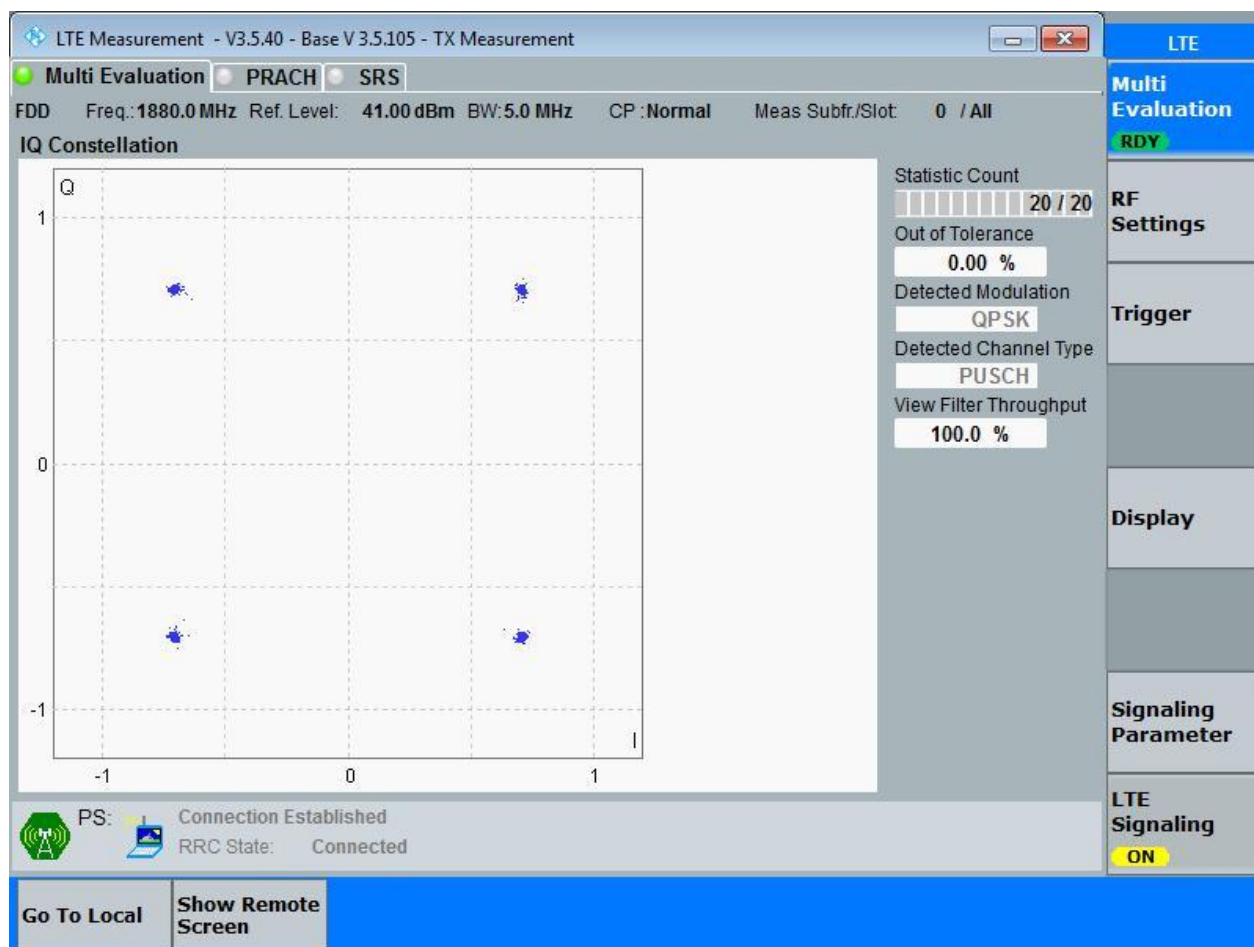
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

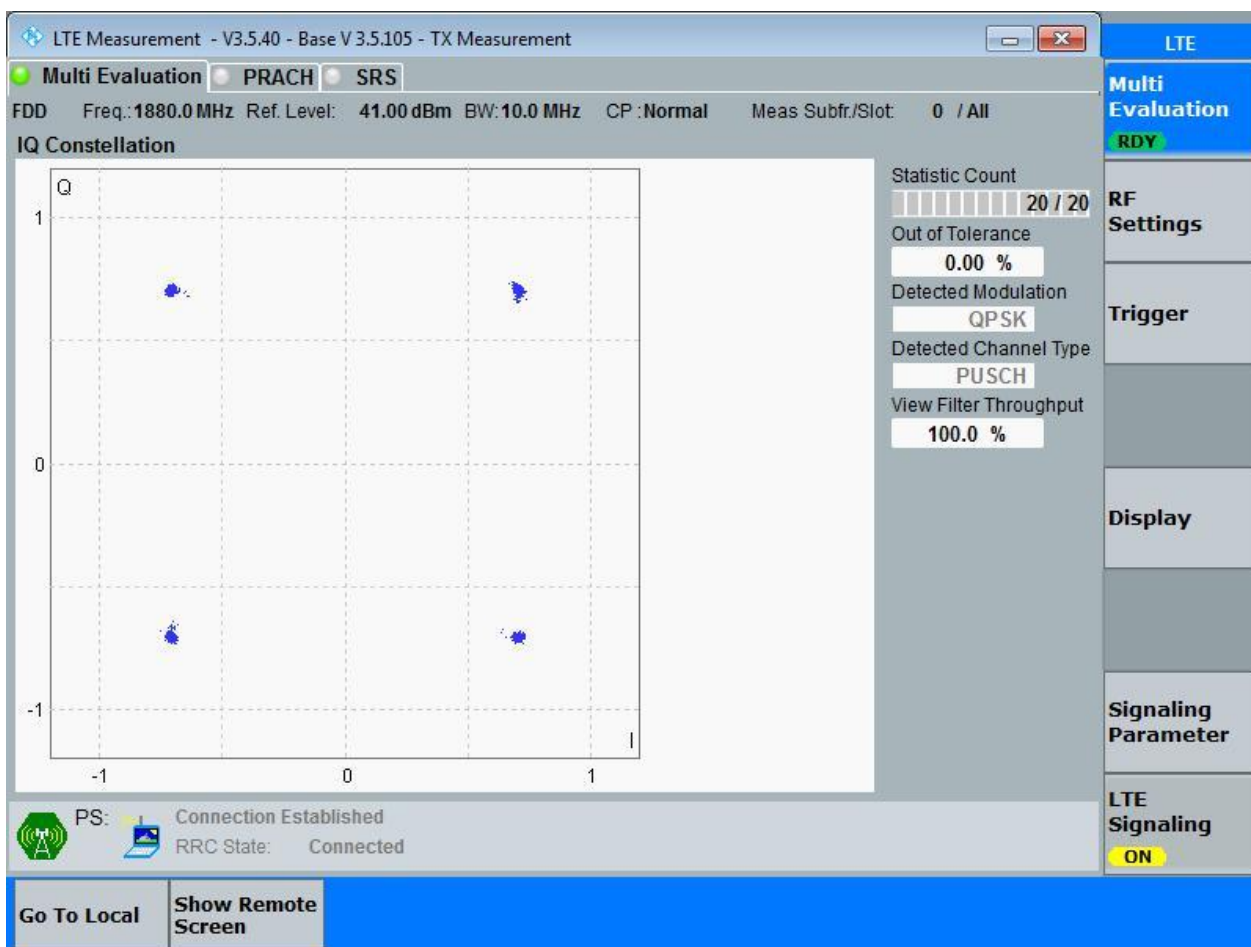
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

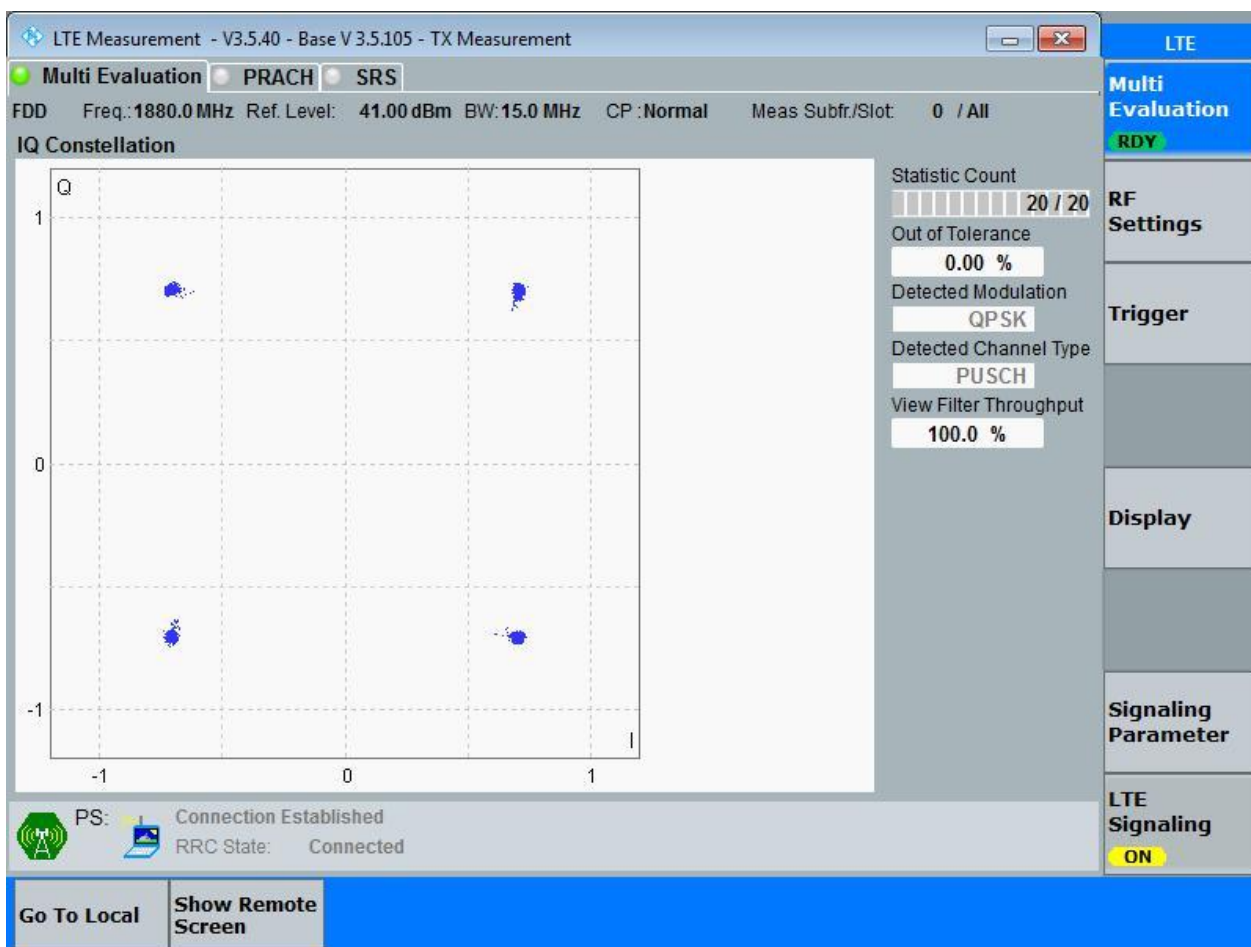
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

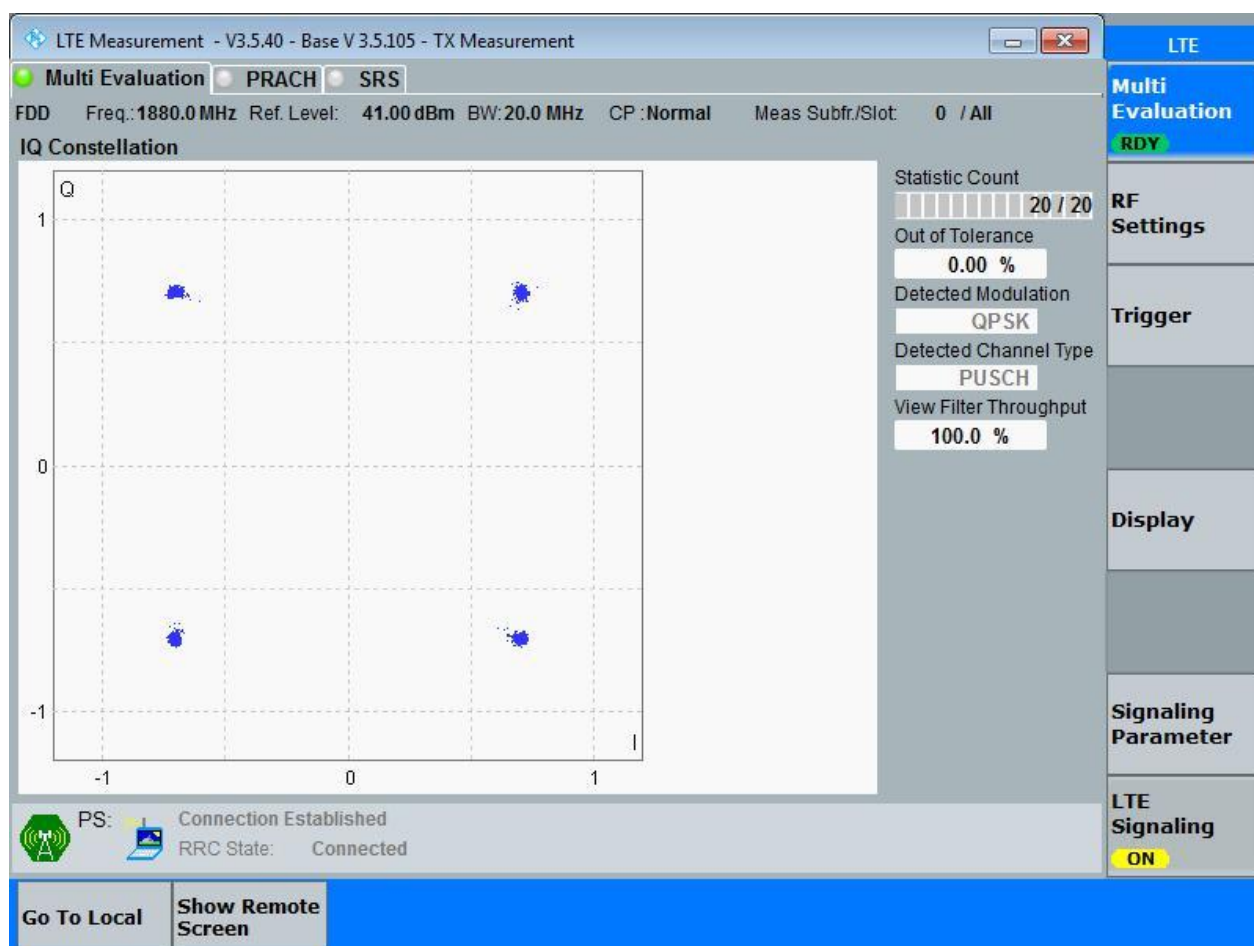
3.1.1.1.5.1.1 Test RB = RB75#0



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

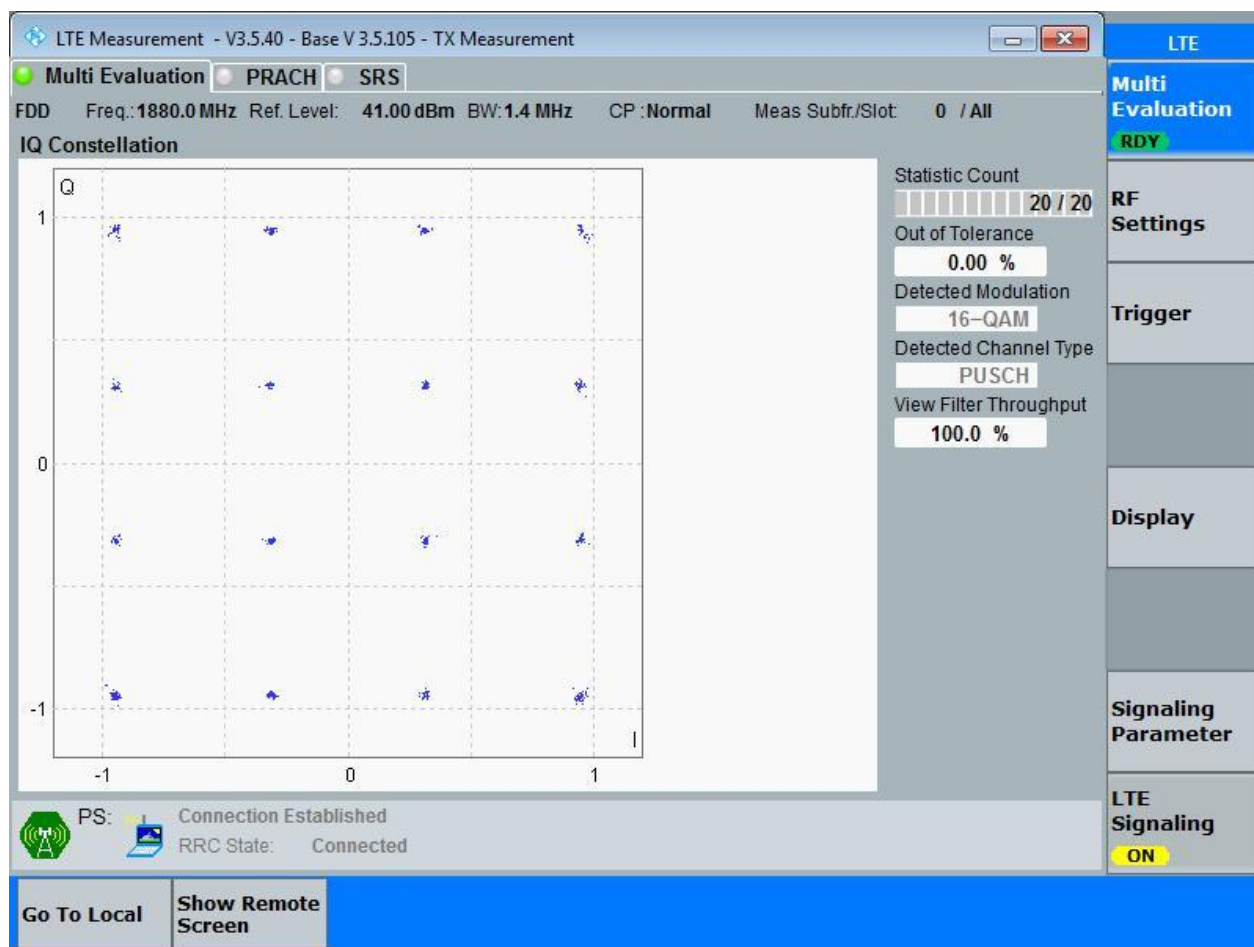


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

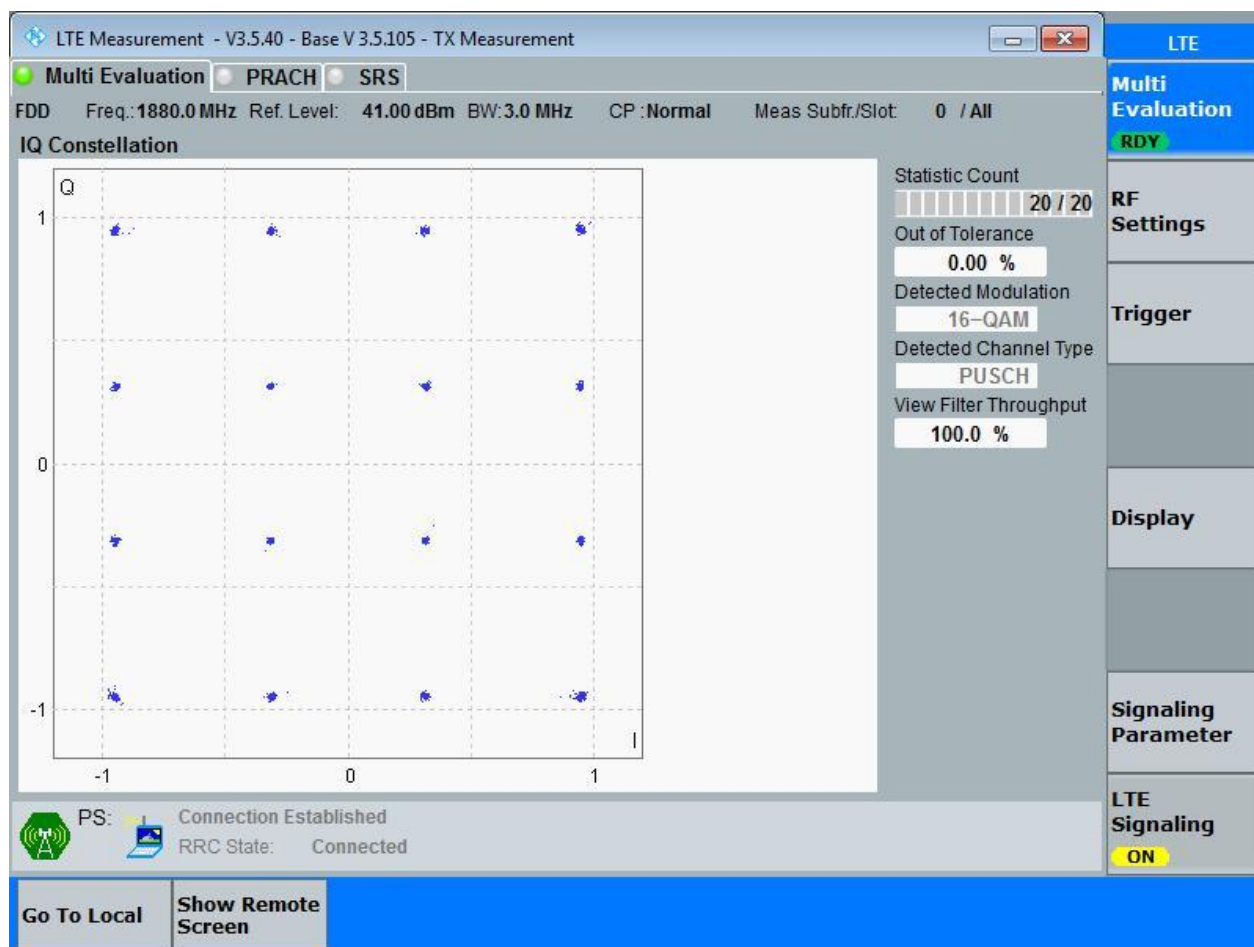
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

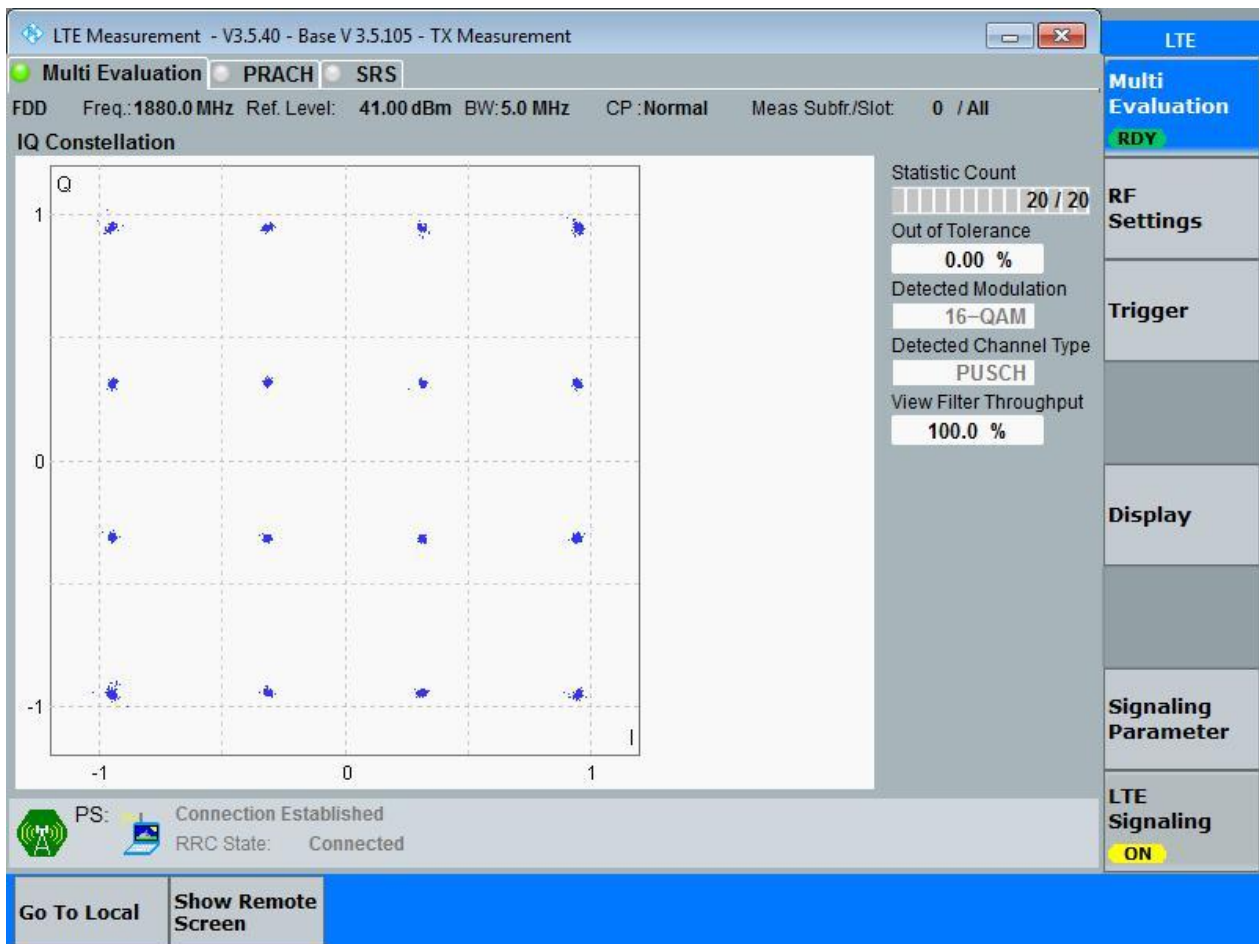
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

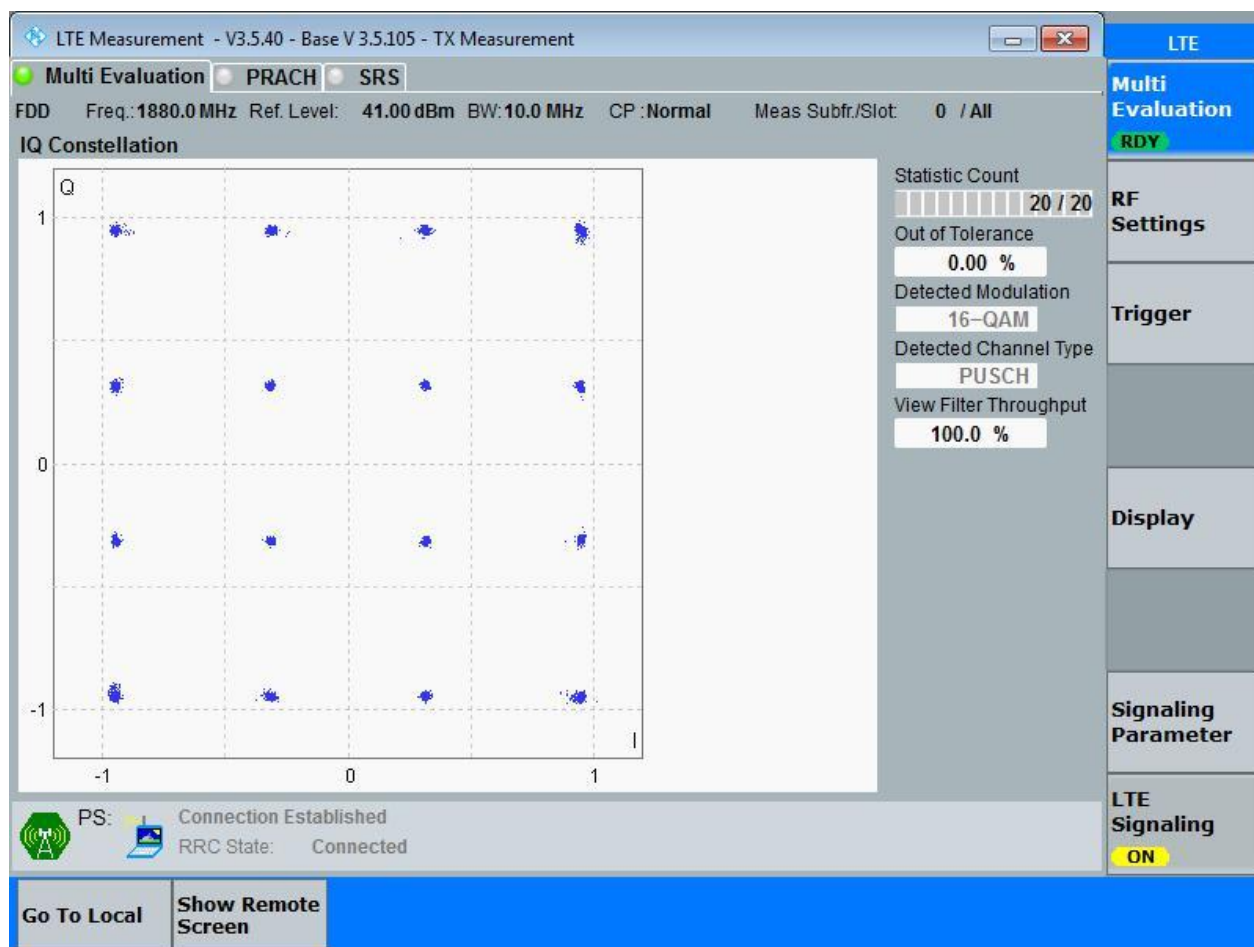
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

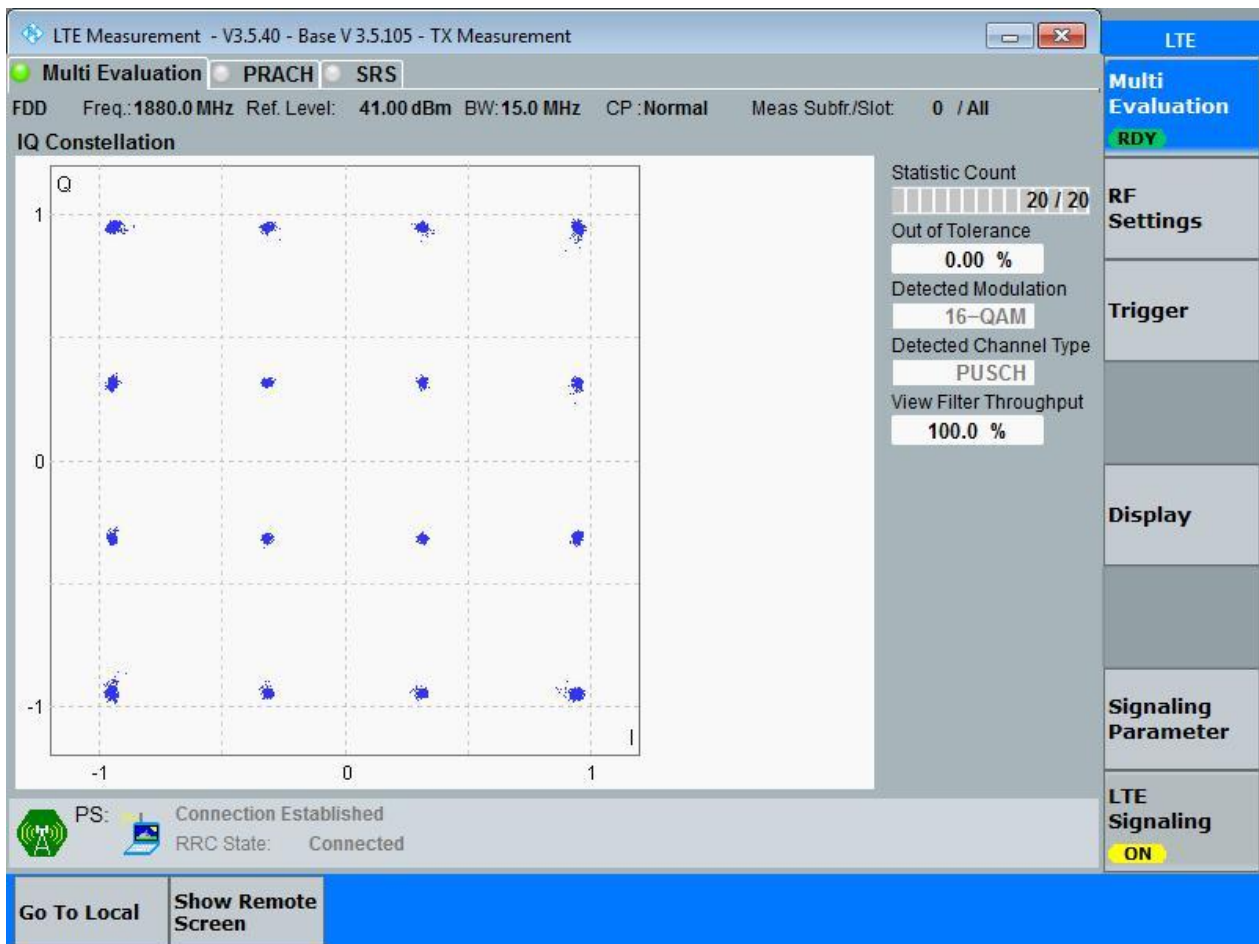
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

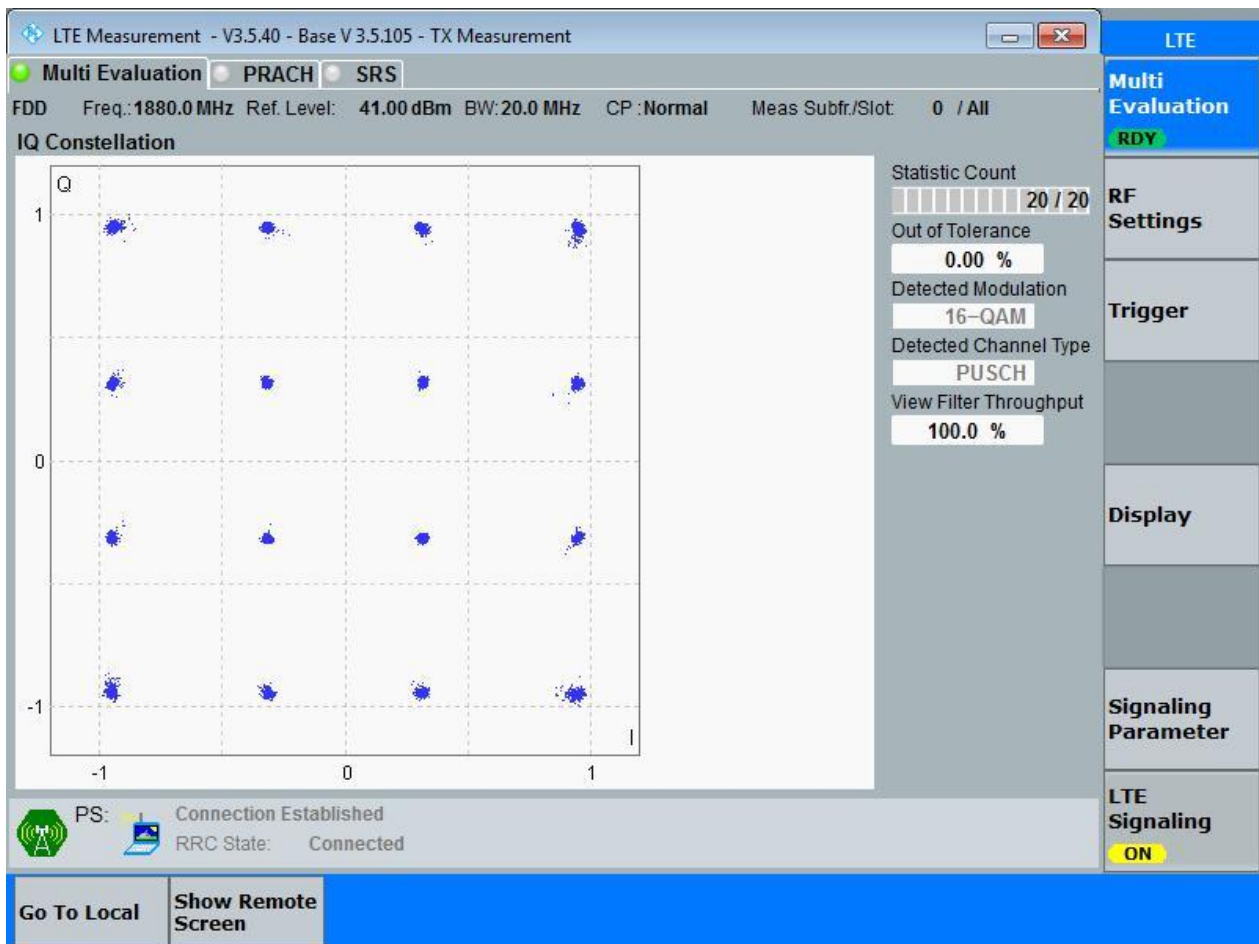
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	3.00	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	4.97	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	9.00	9.89	Pass
			MCH	RB50#0	9.00	9.87	Pass
			HCH	RB50#0	9.03	9.94	Pass
		15	LCH	RB75#0	13.50	14.98	Pass
			MCH	RB75#0	13.50	14.93	Pass
			HCH	RB75#0	13.56	15.09	Pass
		20	LCH	RB100#0	18.00	19.77	Pass
			MCH	RB100#0	18.02	19.76	Pass
			HCH	RB100#0	18.08	19.85	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.27	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.72	2.97	Pass
			MCH	RB15#0	2.70	2.98	Pass
			HCH	RB15#0	2.72	2.98	Pass
		5	LCH	RB25#0	4.52	4.97	Pass
			MCH	RB25#0	4.51	4.95	Pass
			HCH	RB25#0	4.51	4.98	Pass
		10	LCH	RB50#0	9.00	9.91	Pass
			MCH	RB50#0	8.99	9.92	Pass
			HCH	RB50#0	9.02	9.95	Pass
		15	LCH	RB75#0	13.49	14.97	Pass
			MCH	RB75#0	13.51	14.92	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB75#0	13.57	15.06	Pass
		20	LCH	RB100#0	17.99	19.85	Pass
			MCH	RB100#0	18.02	19.73	Pass
			HCH	RB100#0	18.05	19.71	Pass



Part II - Test Plots

4.1 For LTE

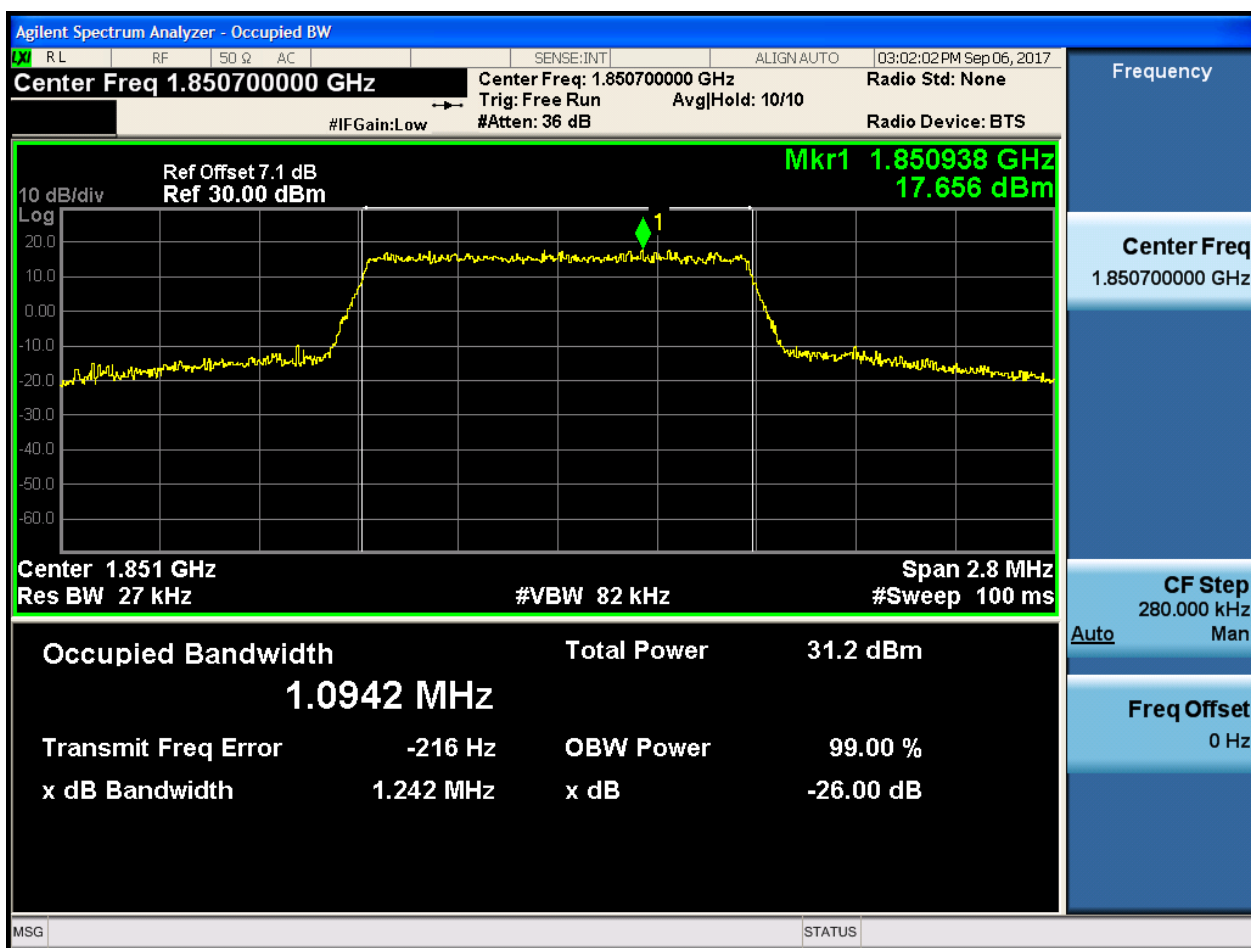
4.1.1 Test Band = BAND2

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

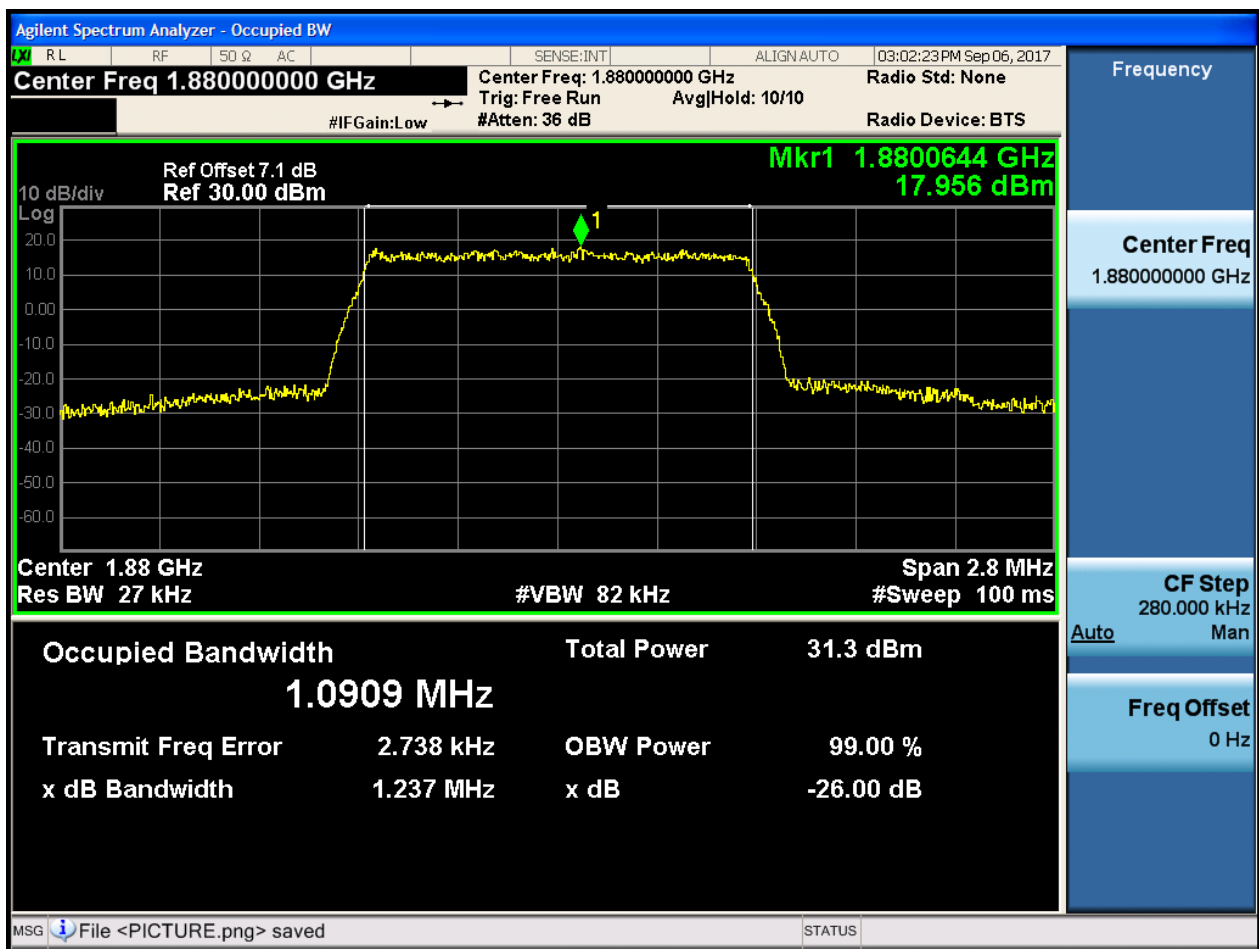
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

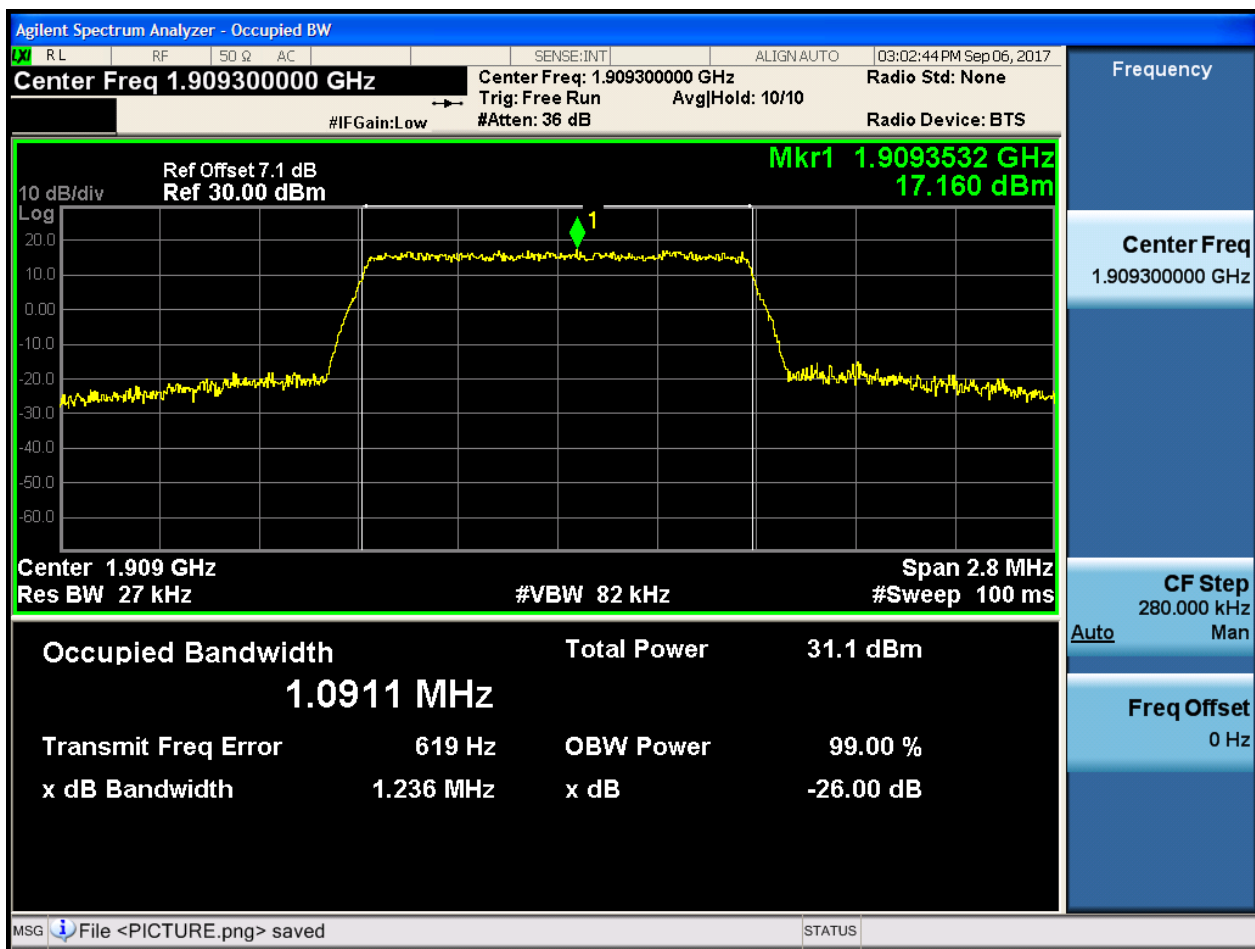
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

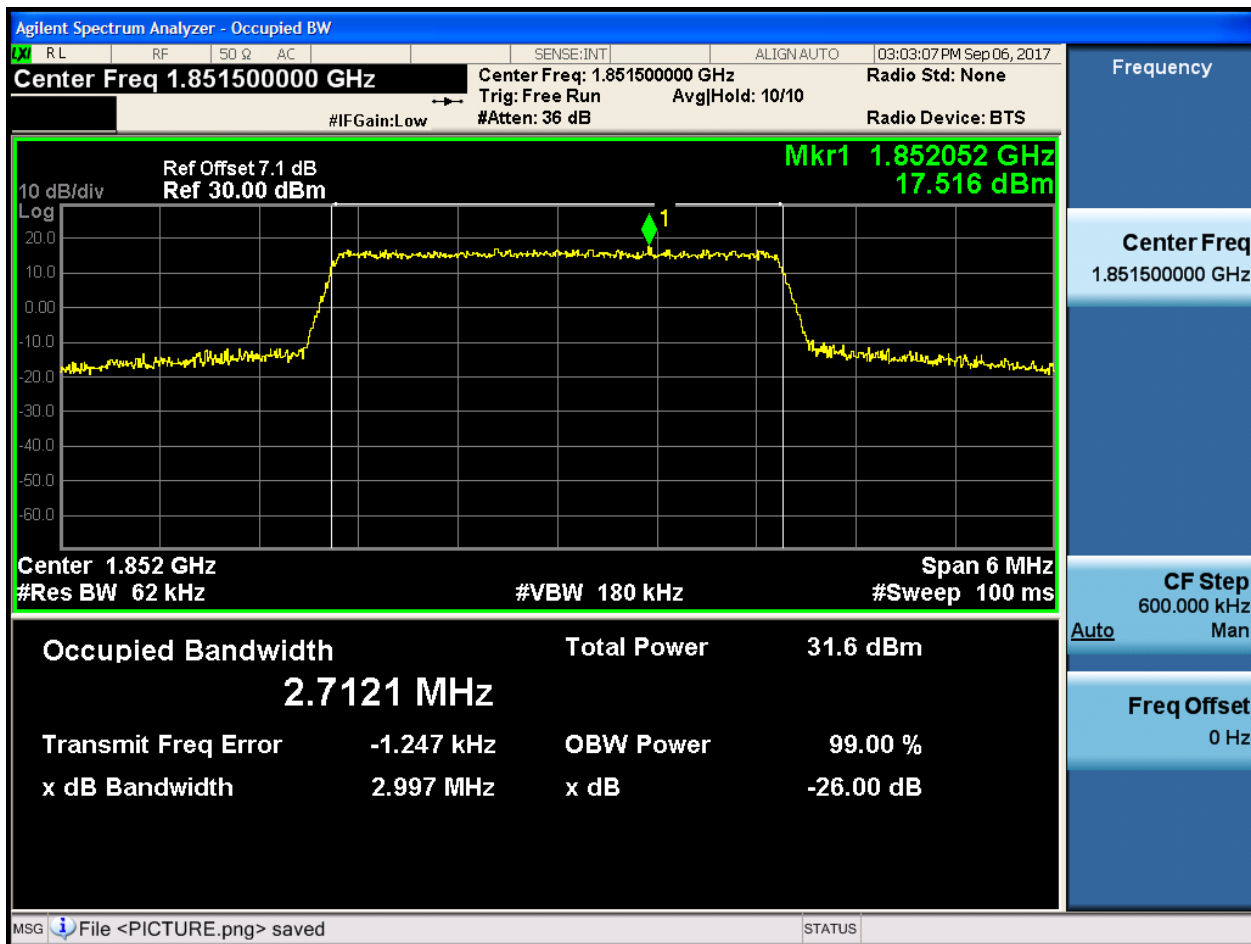




4.1.1.1.2 Test Bandwidth = 3

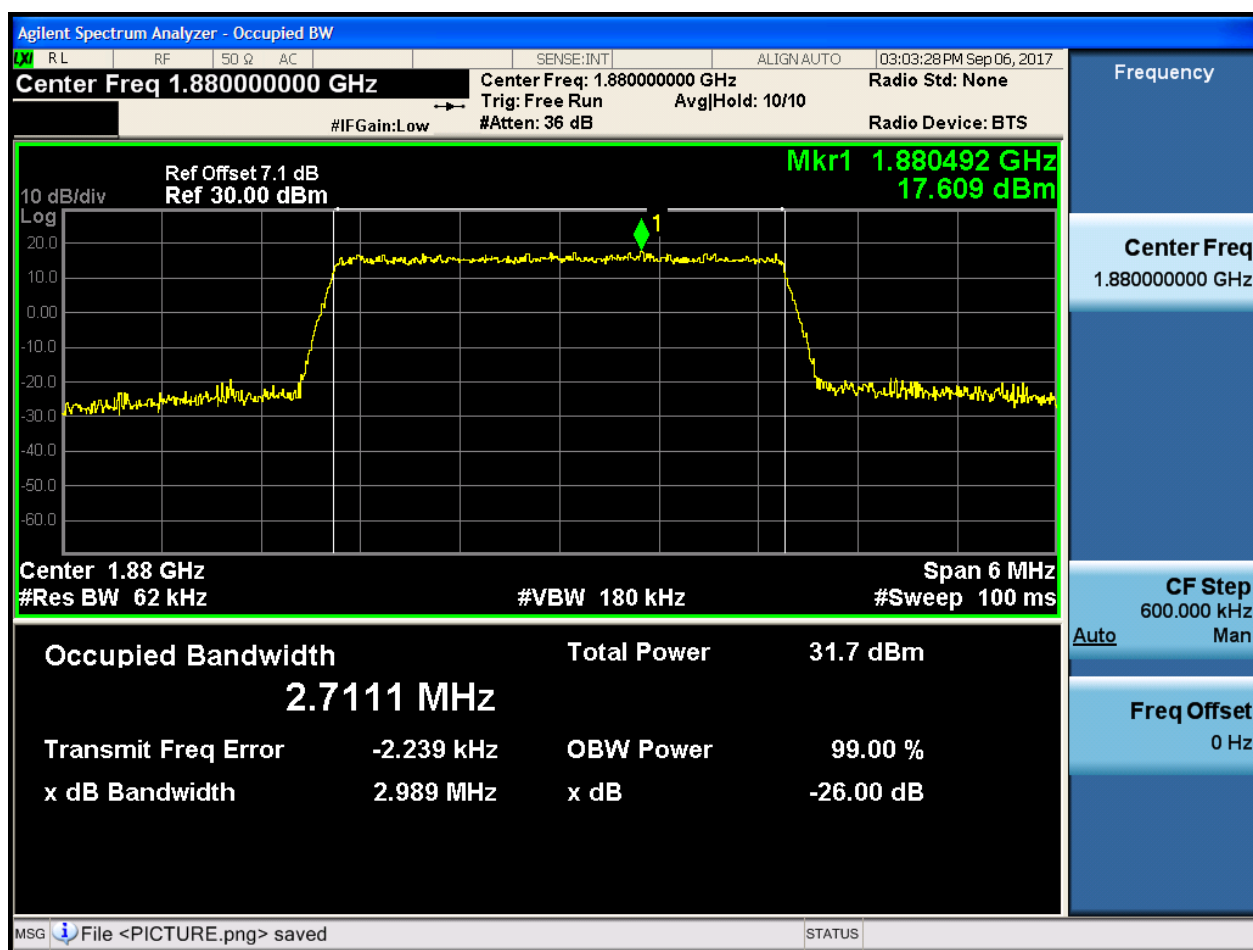
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



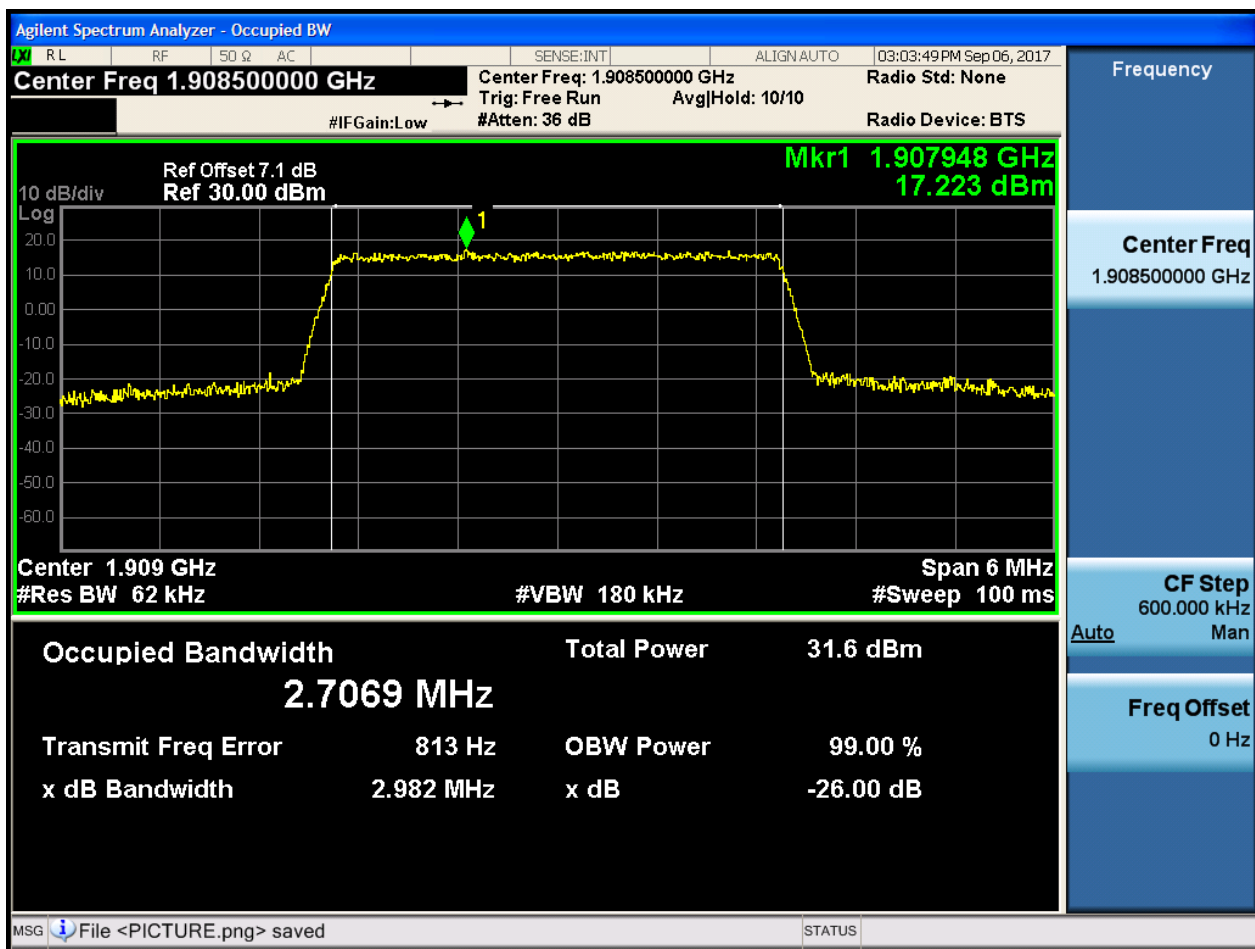
4.1.1.1.2.2 Test Channel = MCH

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

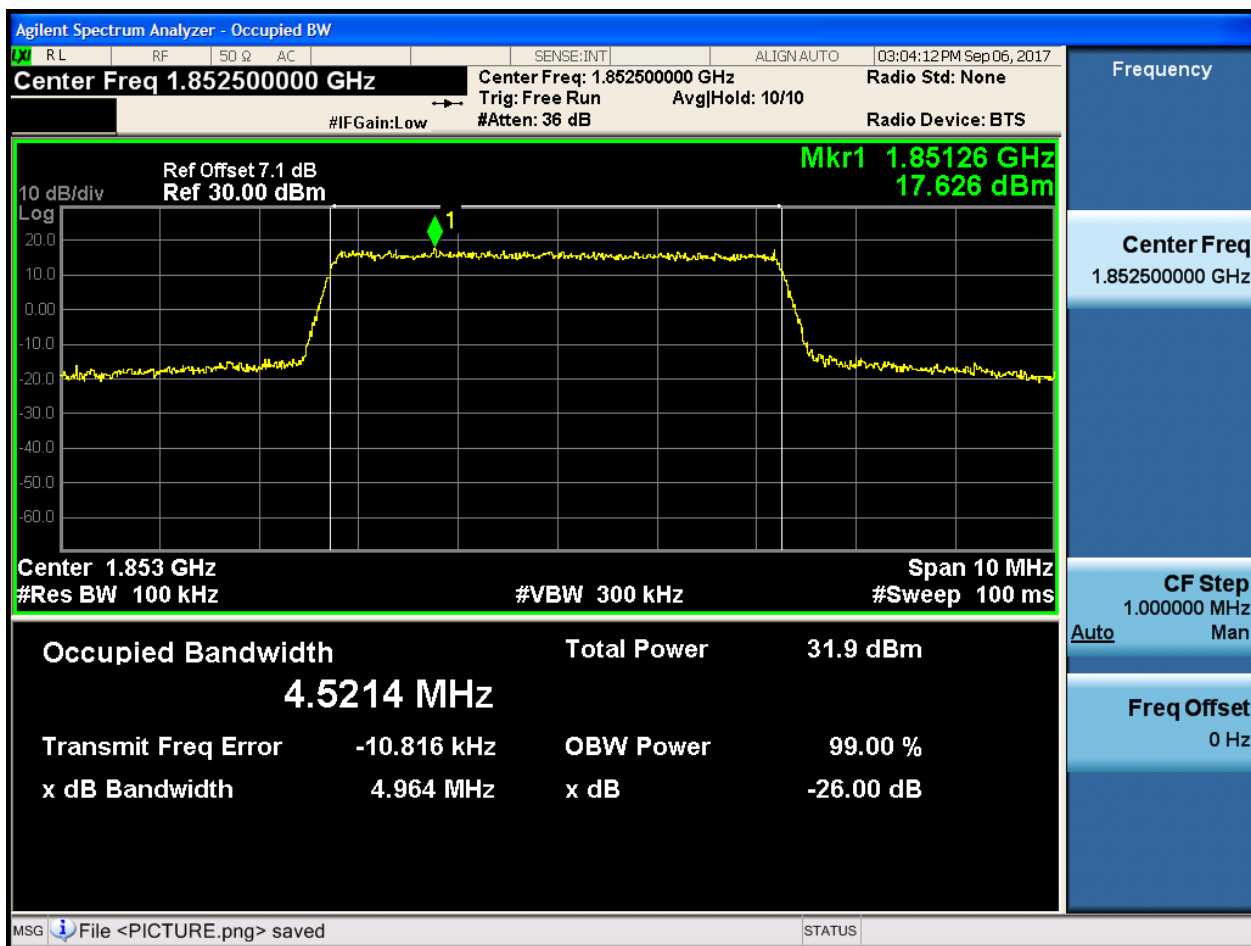




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

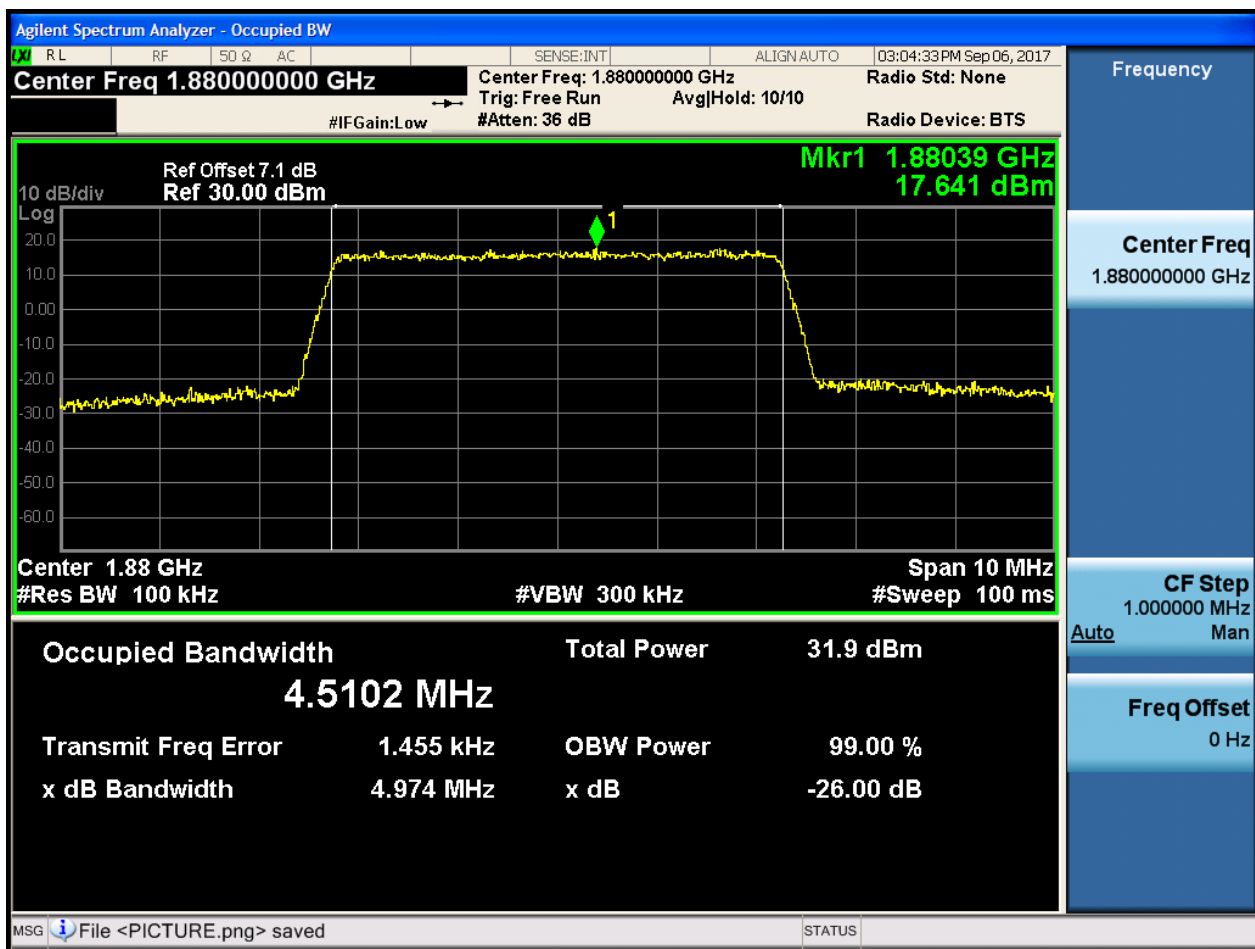
4.1.1.1.3.1.1 Test RB = RB25#0





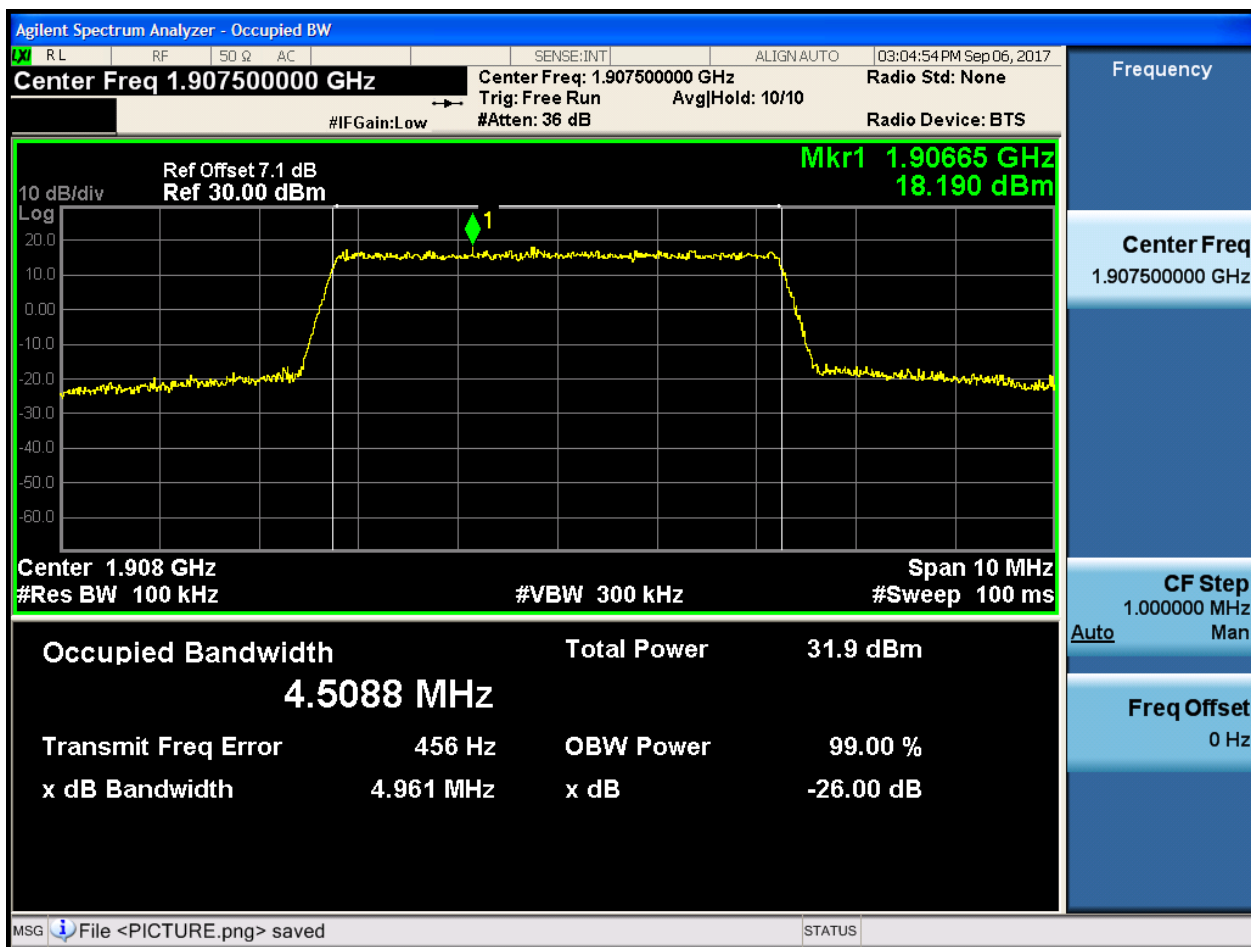
4.1.1.1.3.2 Test Channel = MCH

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

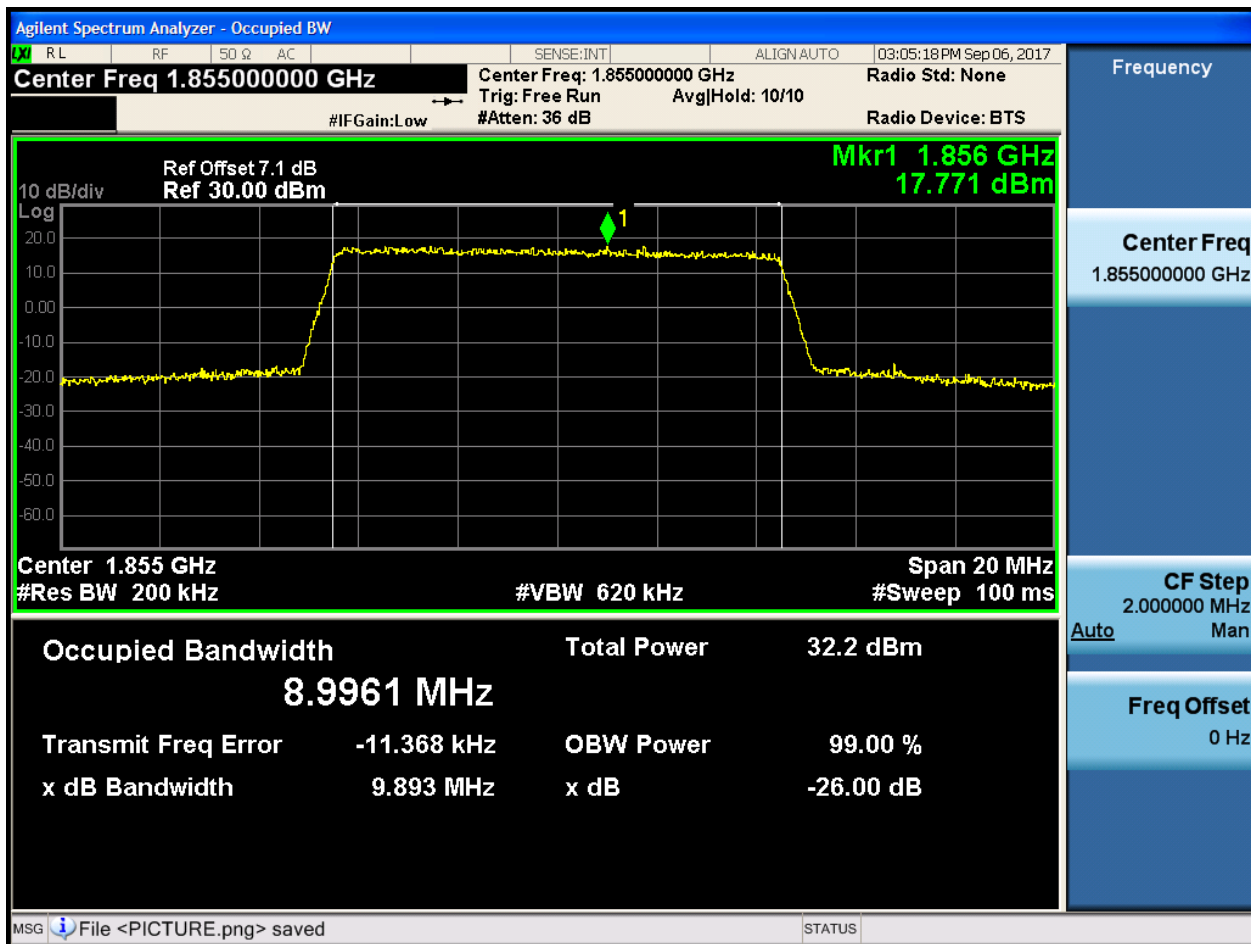




4.1.1.1.4 Test Bandwidth = 10

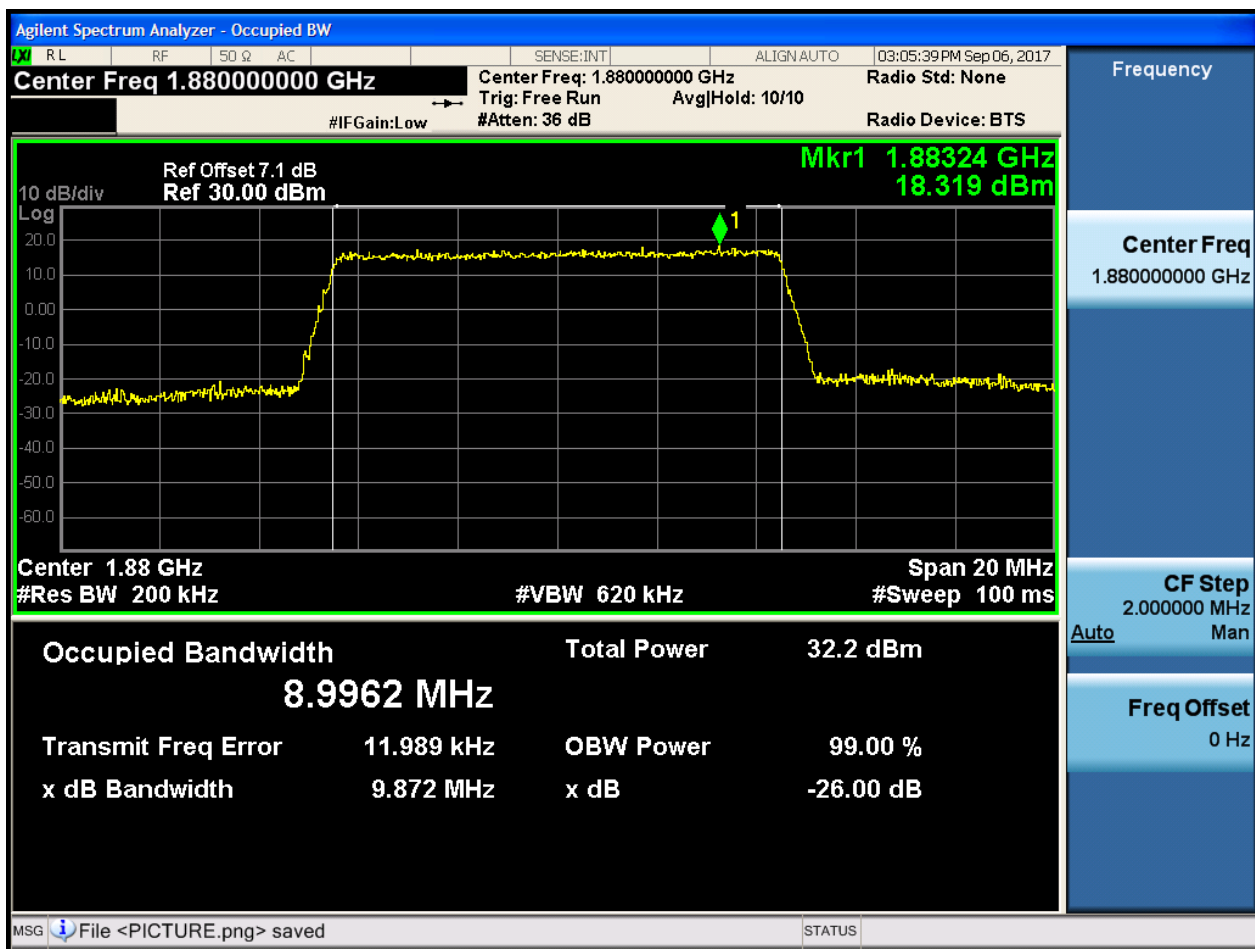
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



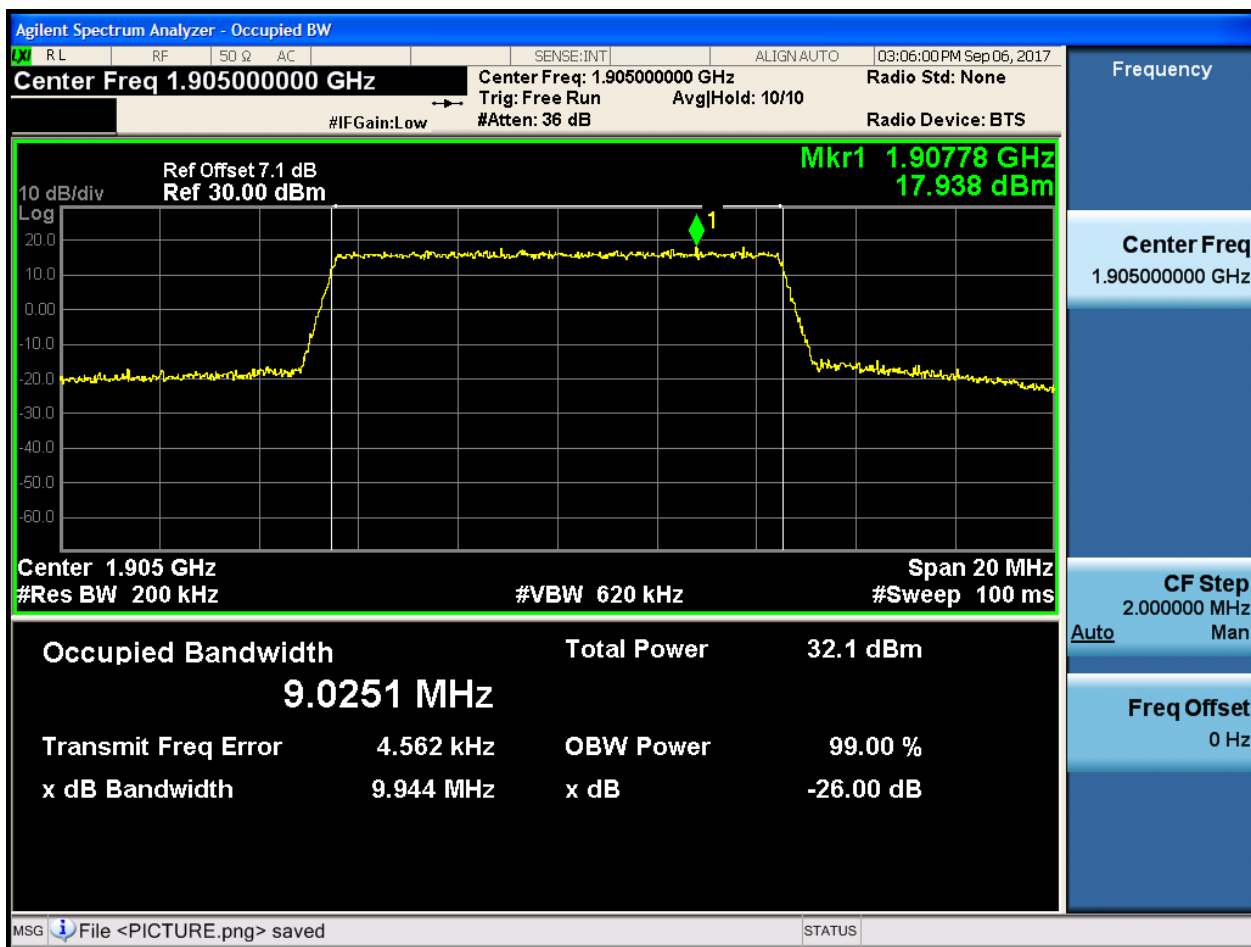
4.1.1.1.4.2 Test Channel = MCH

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

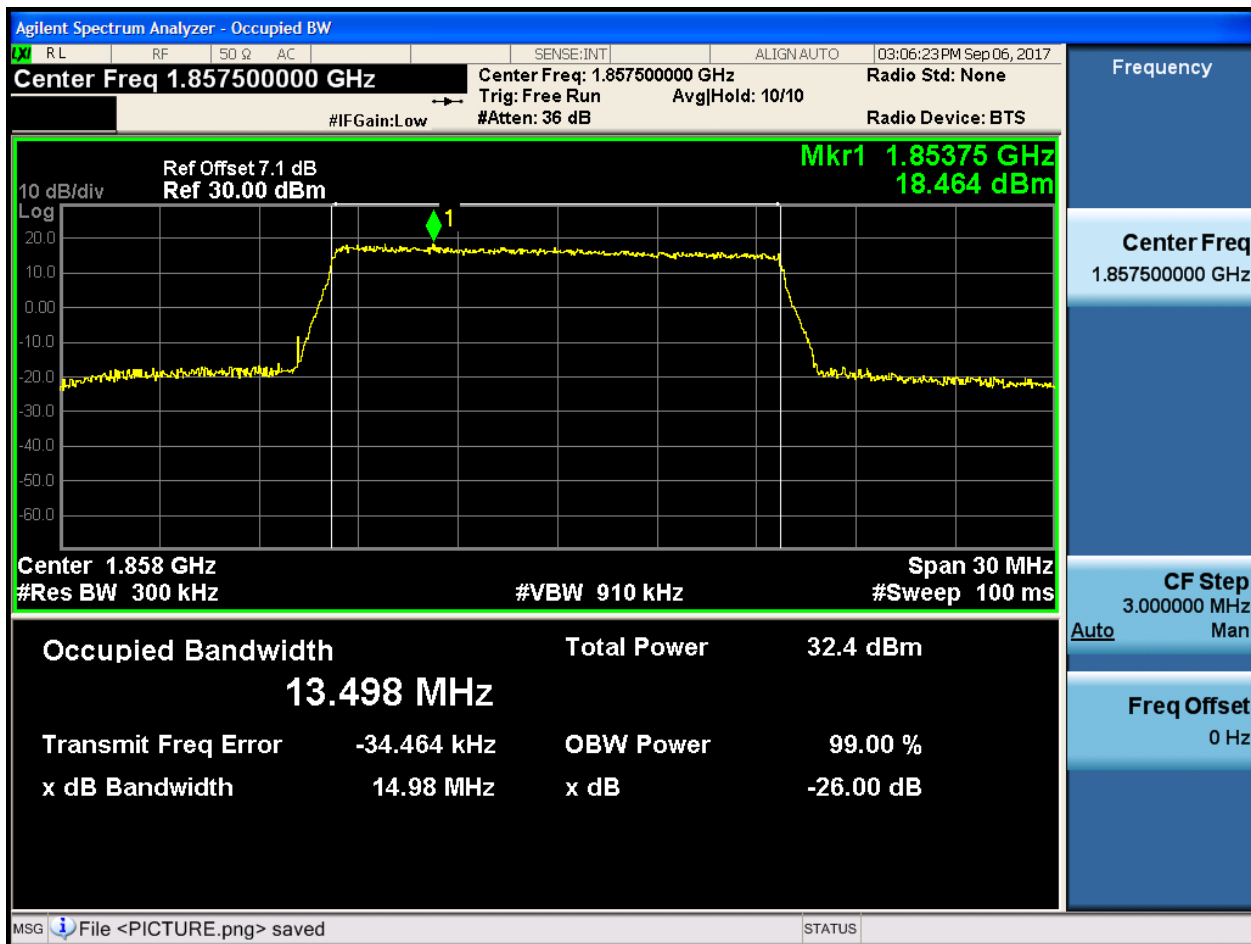




4.1.1.1.5 Test Bandwidth = 15

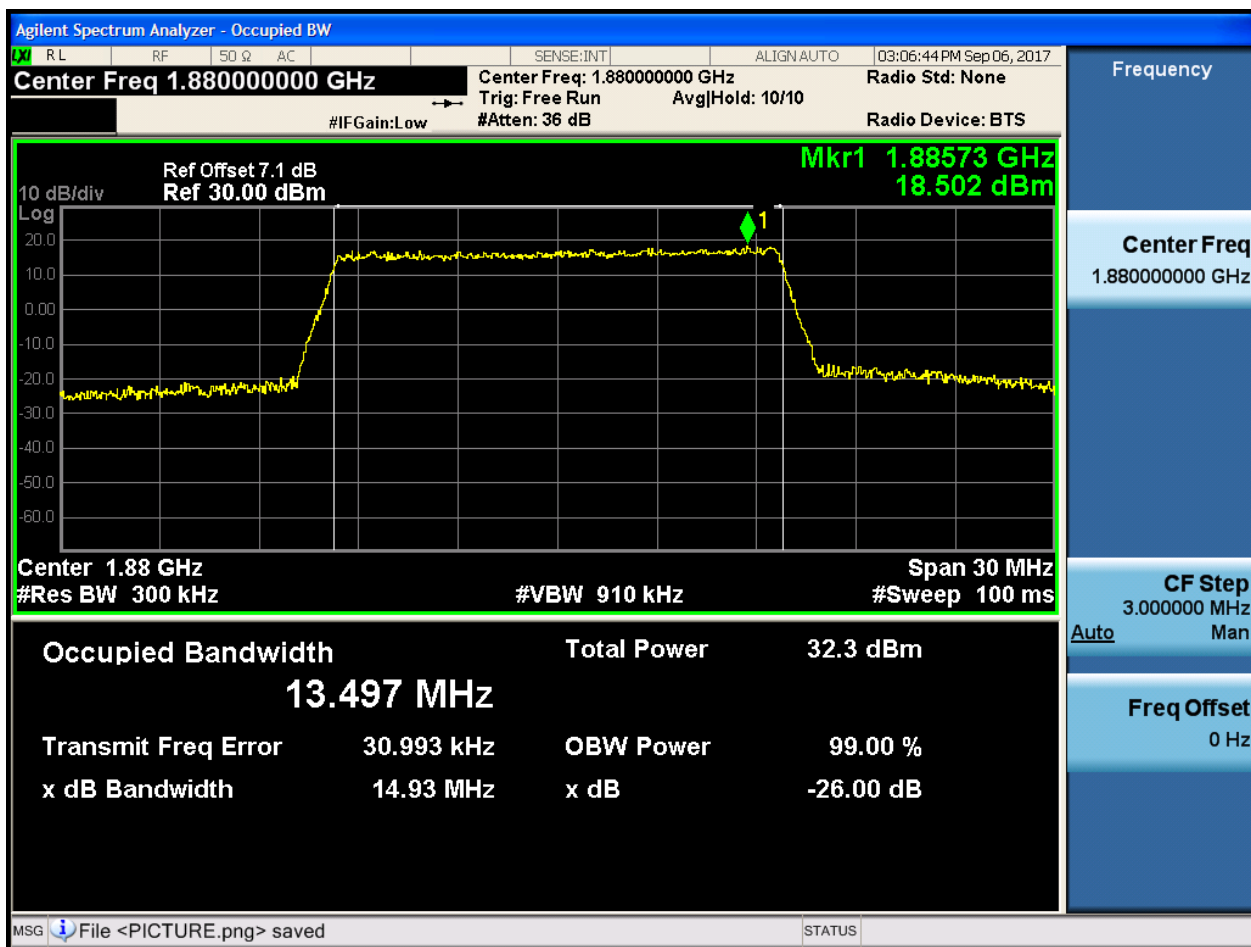
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



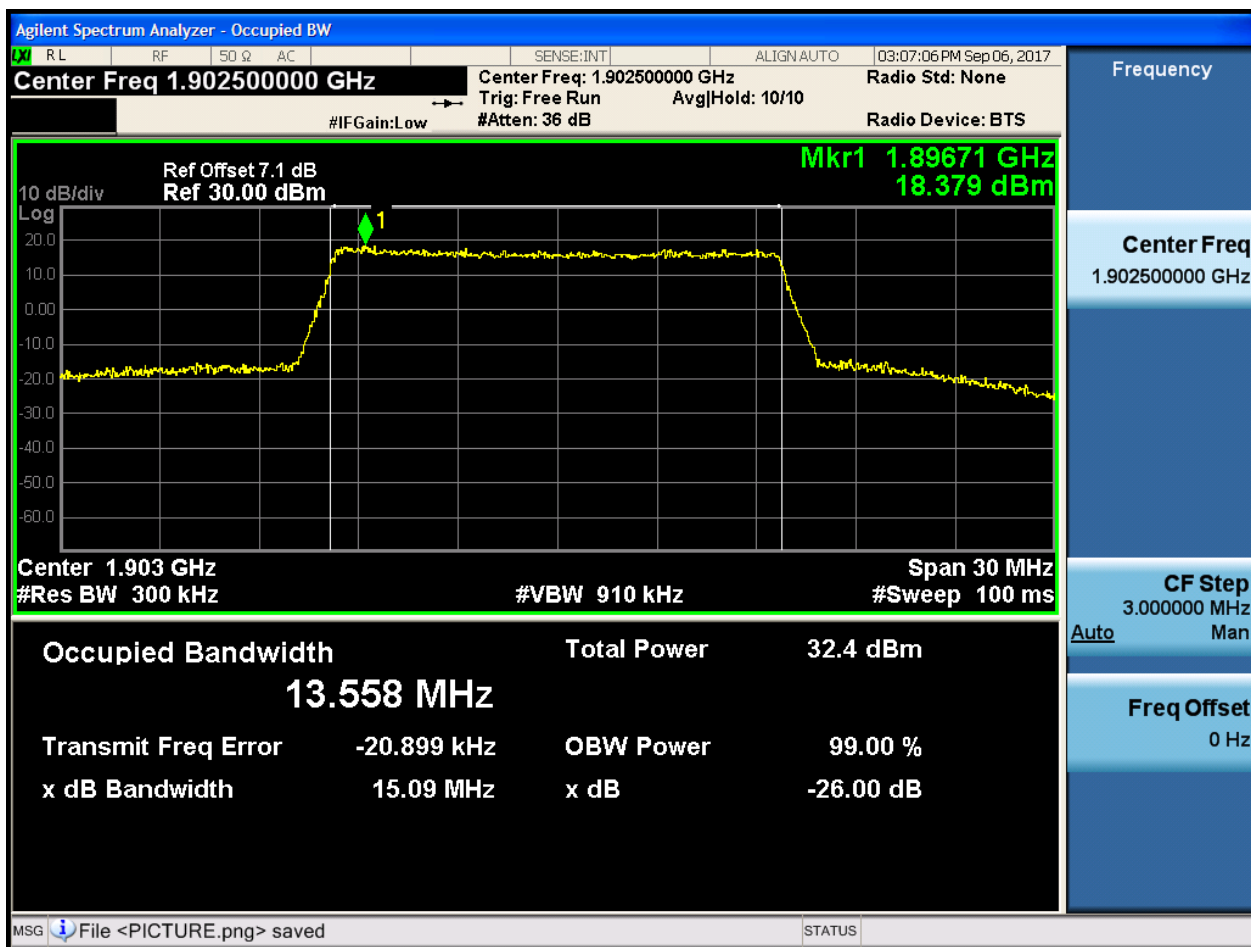
4.1.1.1.5.2 Test Channel = MCH

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

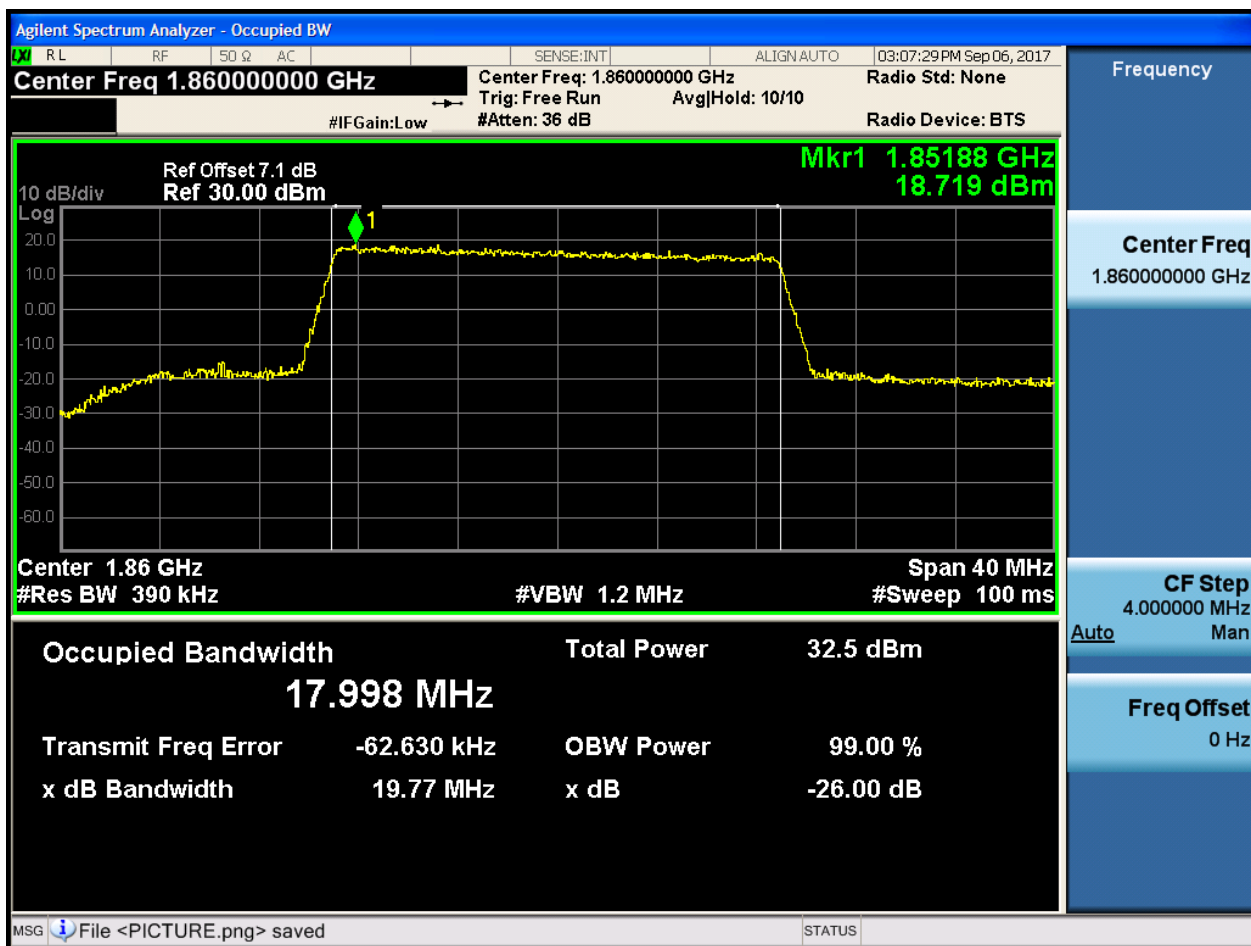




4.1.1.1.6 Test Bandwidth = 20

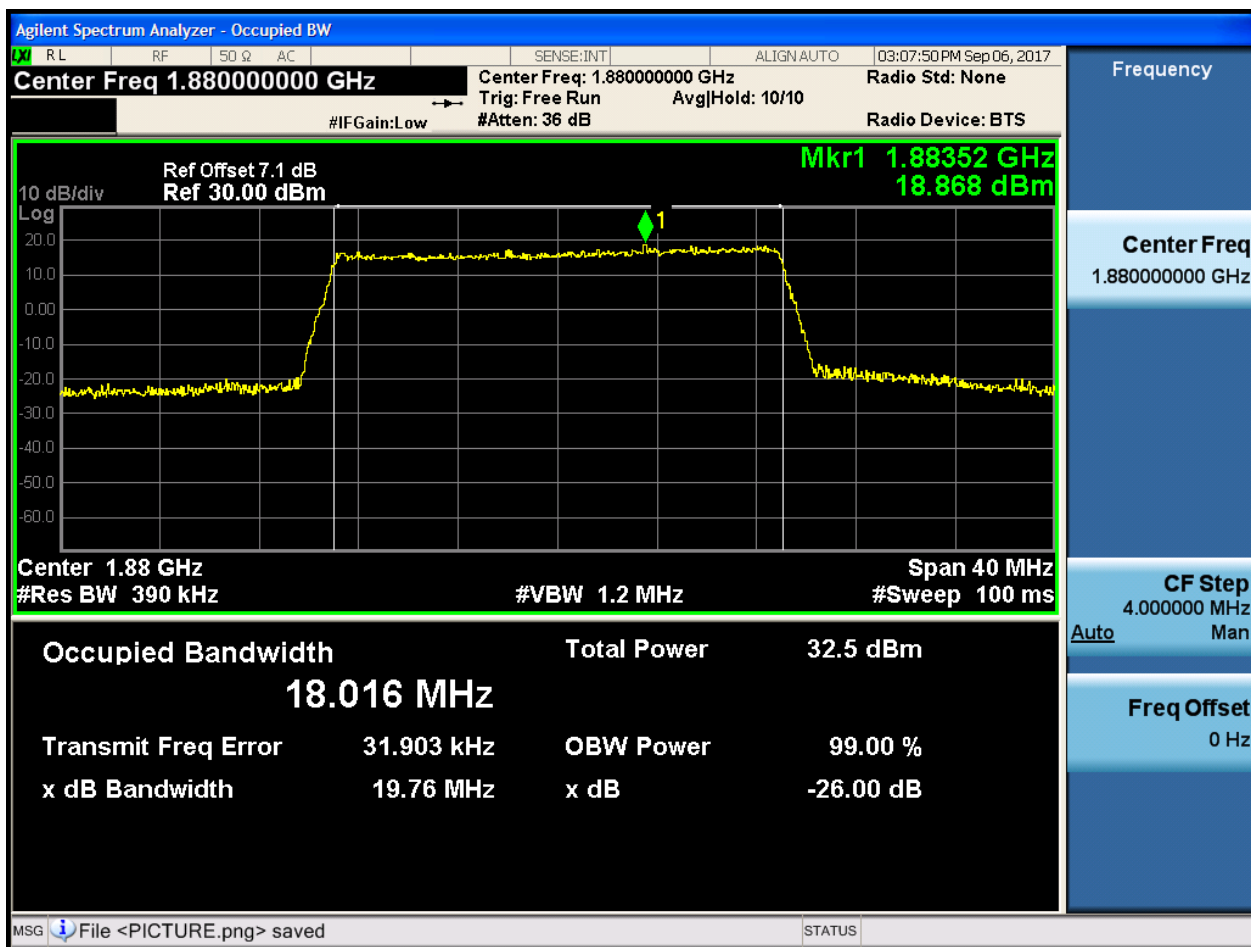
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



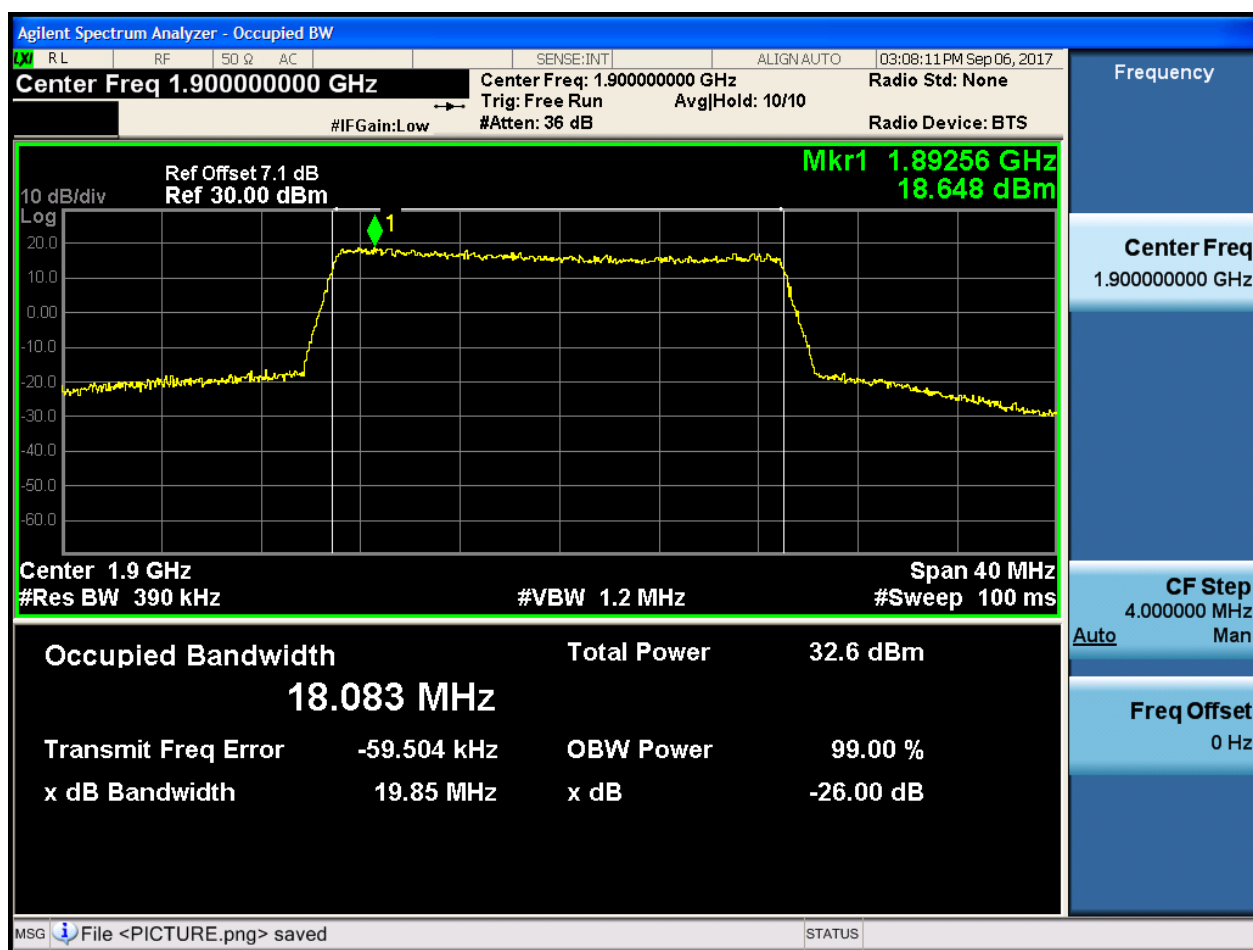
4.1.1.1.6.2 Test Channel = MCH

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



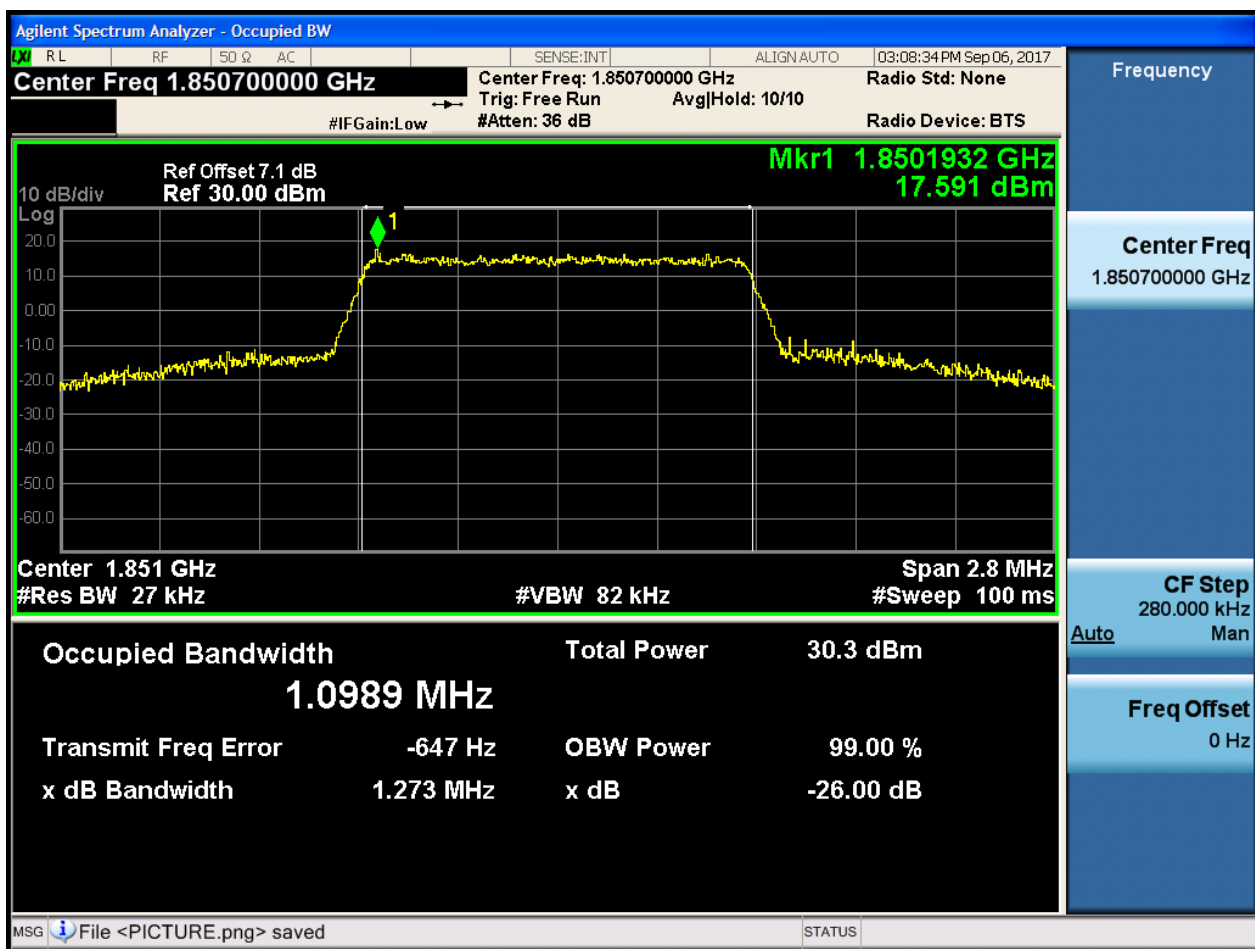


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

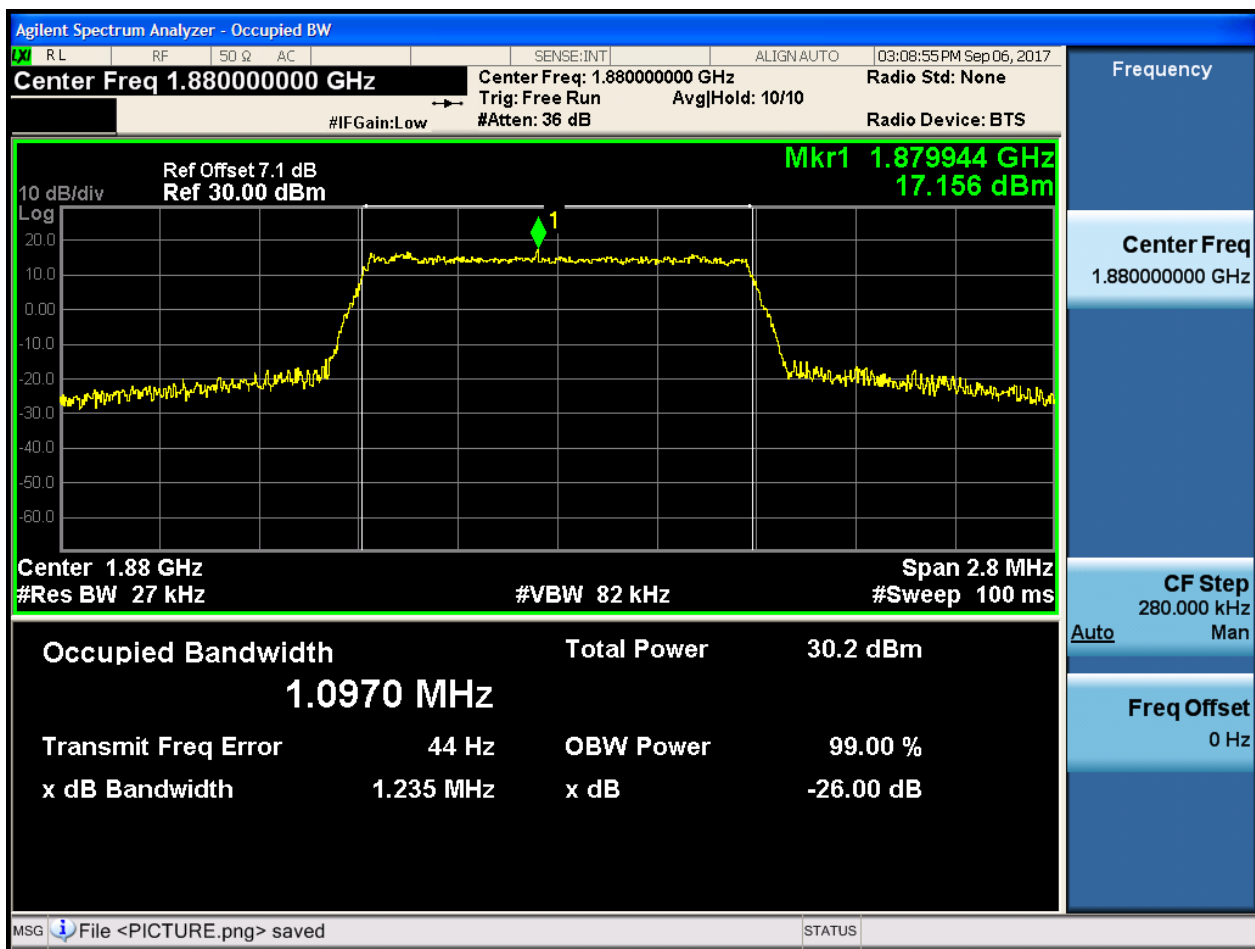
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



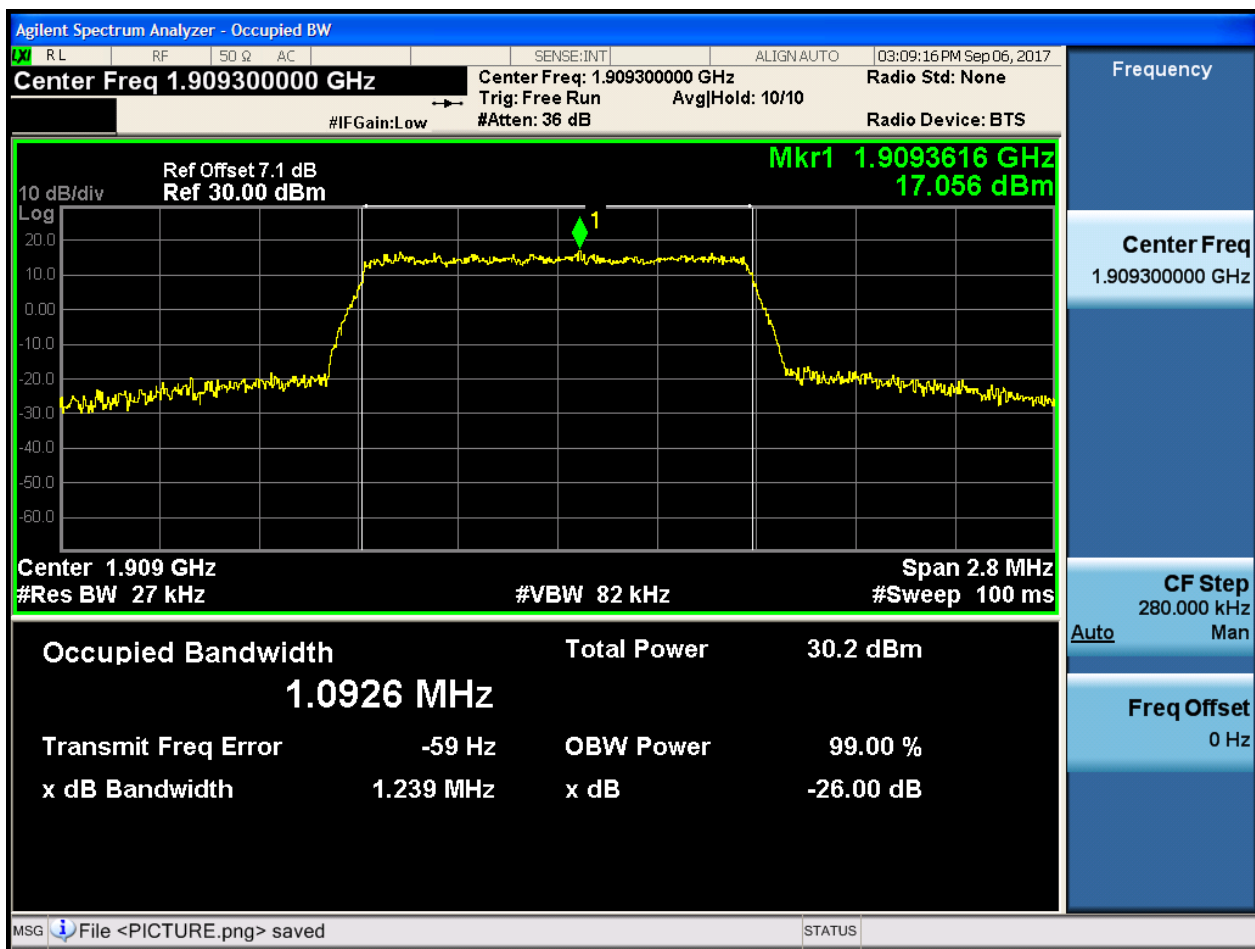
4.1.1.2.1.2 Test Channel = MCH

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

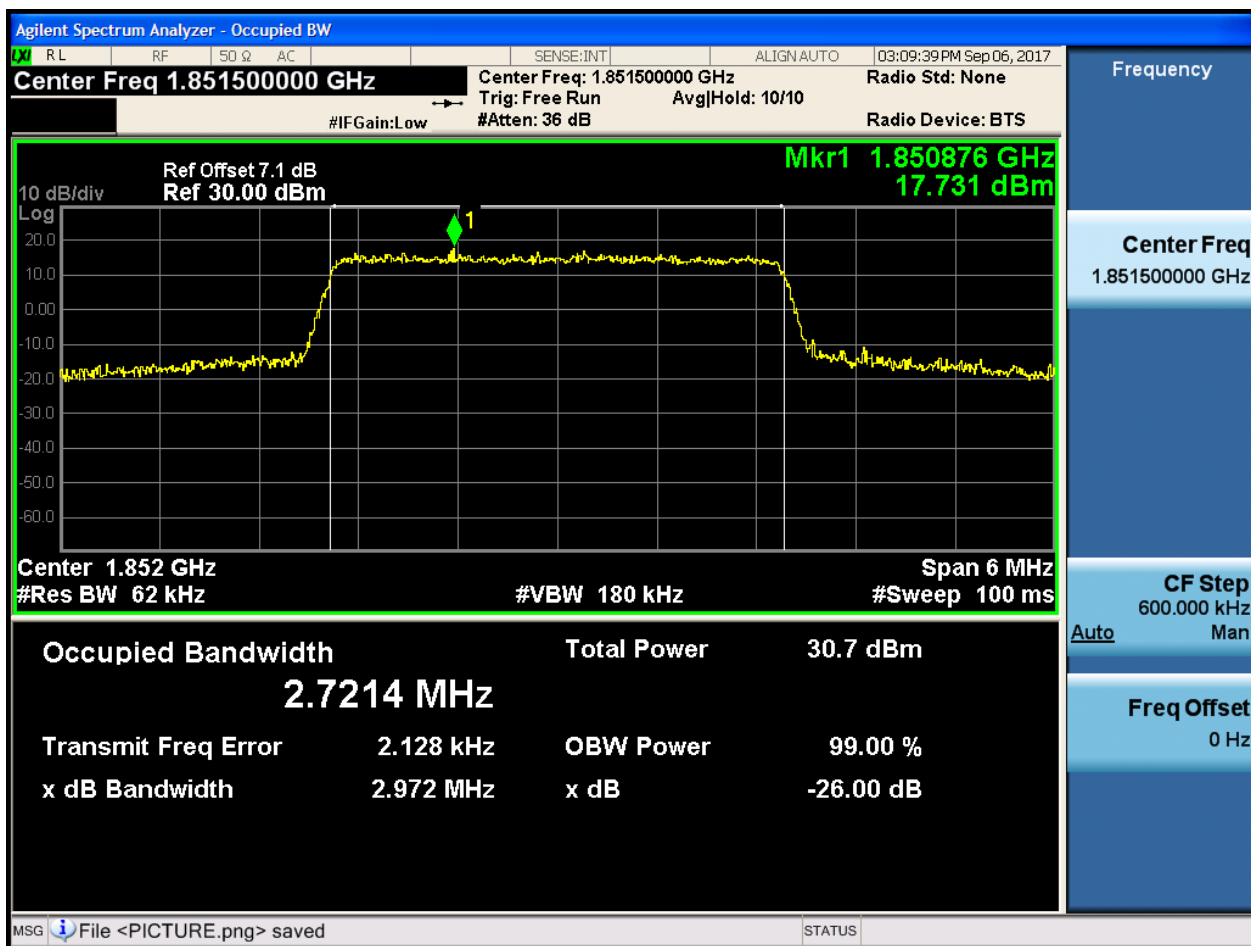




4.1.1.2.2 Test Bandwidth = 3

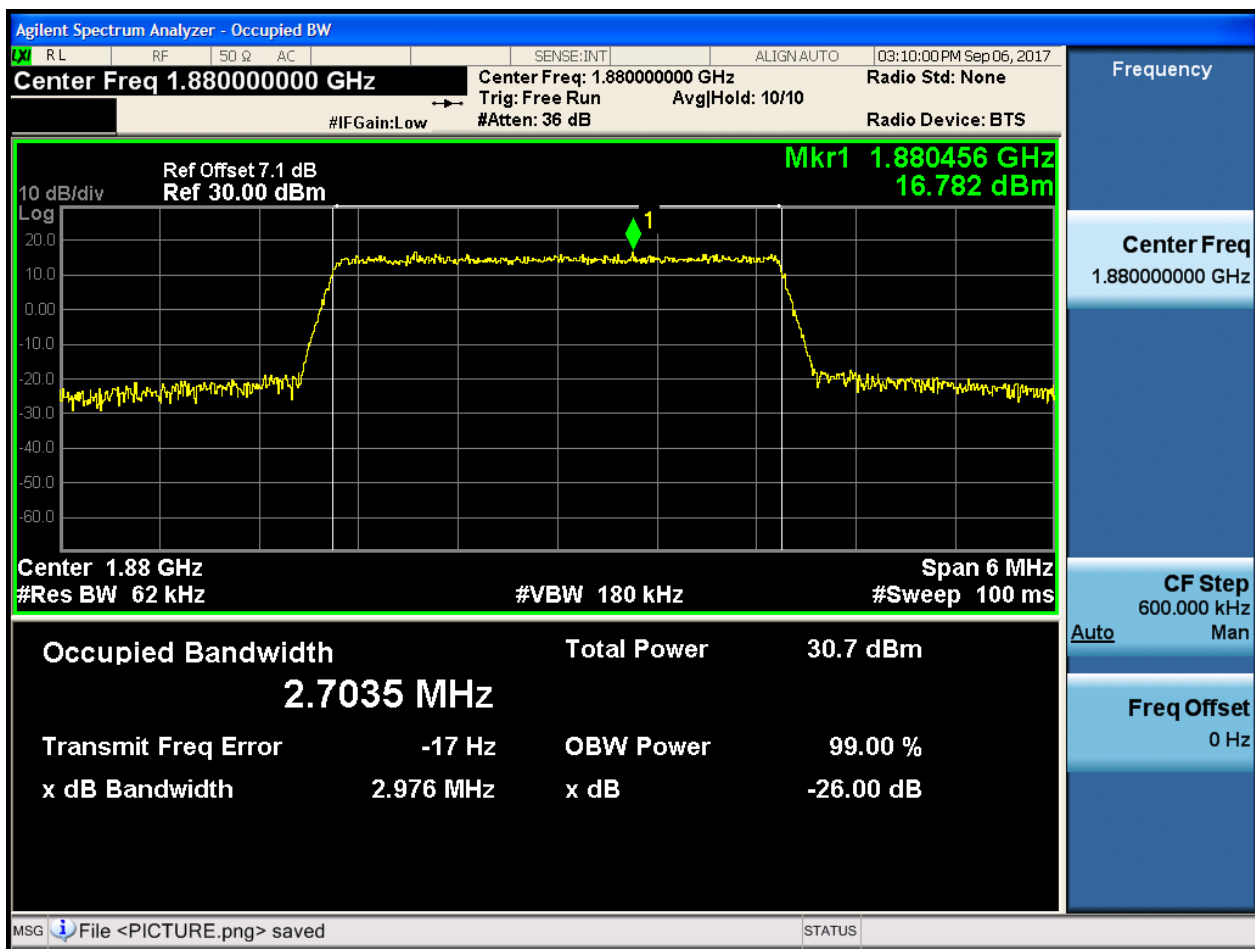
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



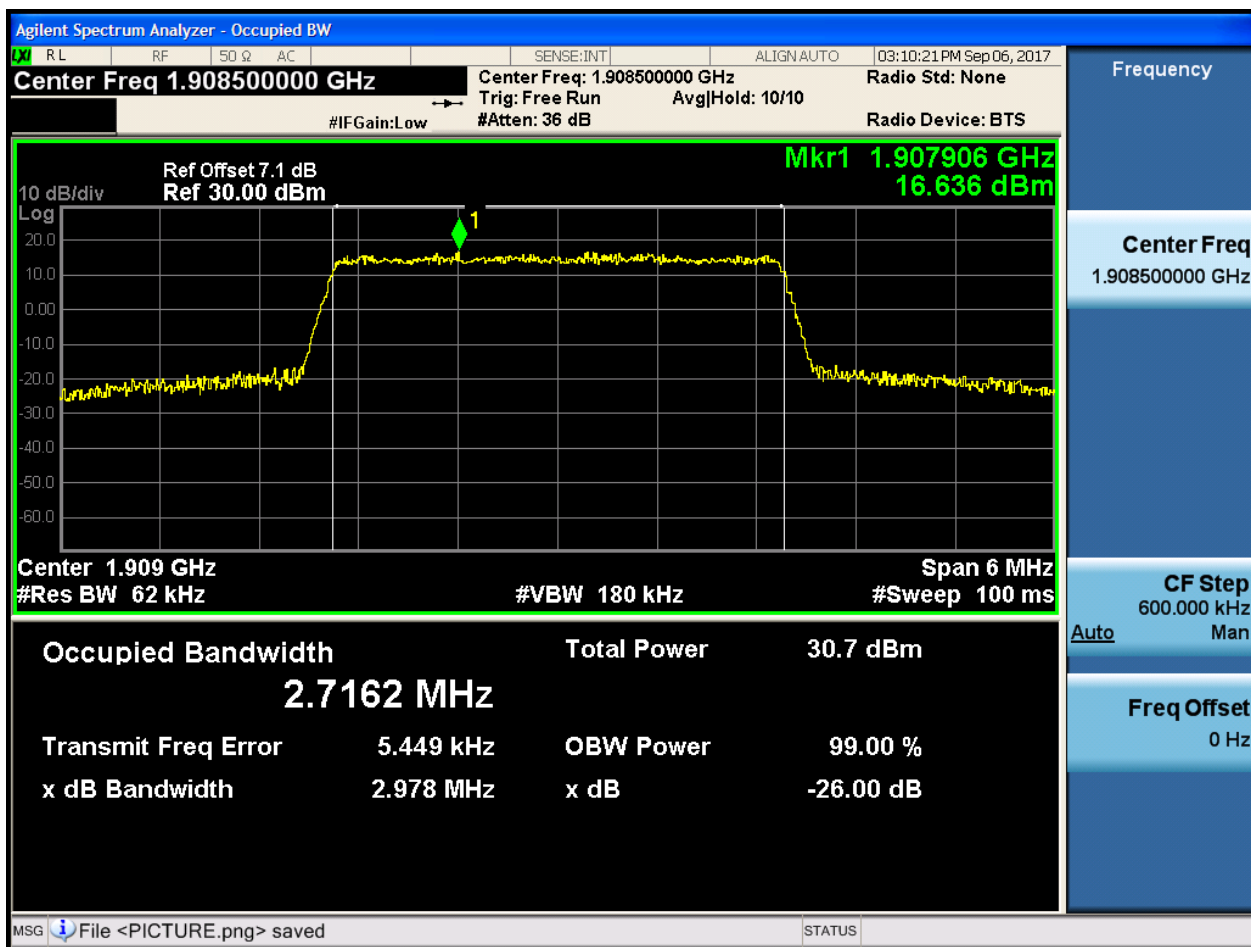
4.1.1.2.2.2 Test Channel = MCH

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

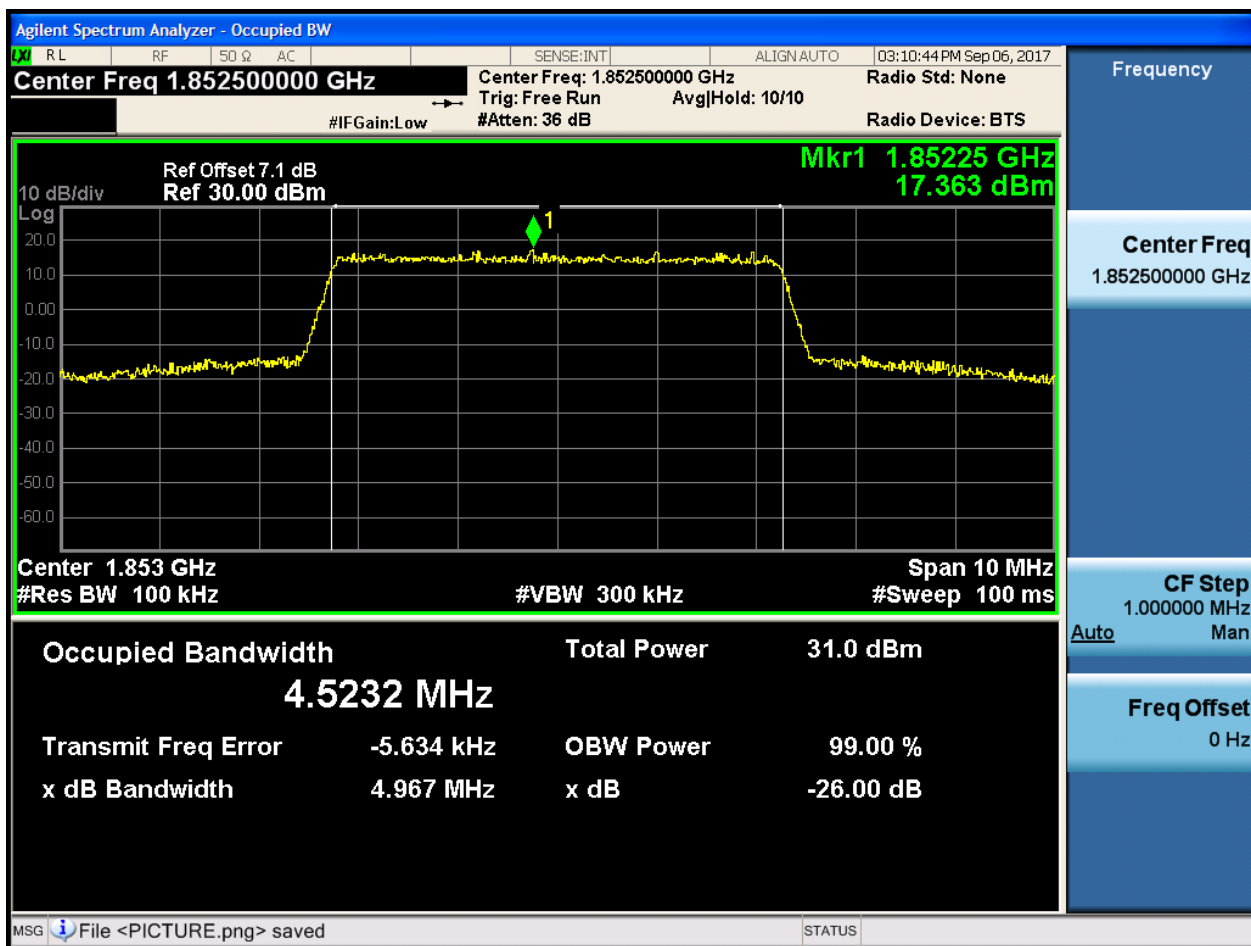




4.1.1.2.3 Test Bandwidth = 5

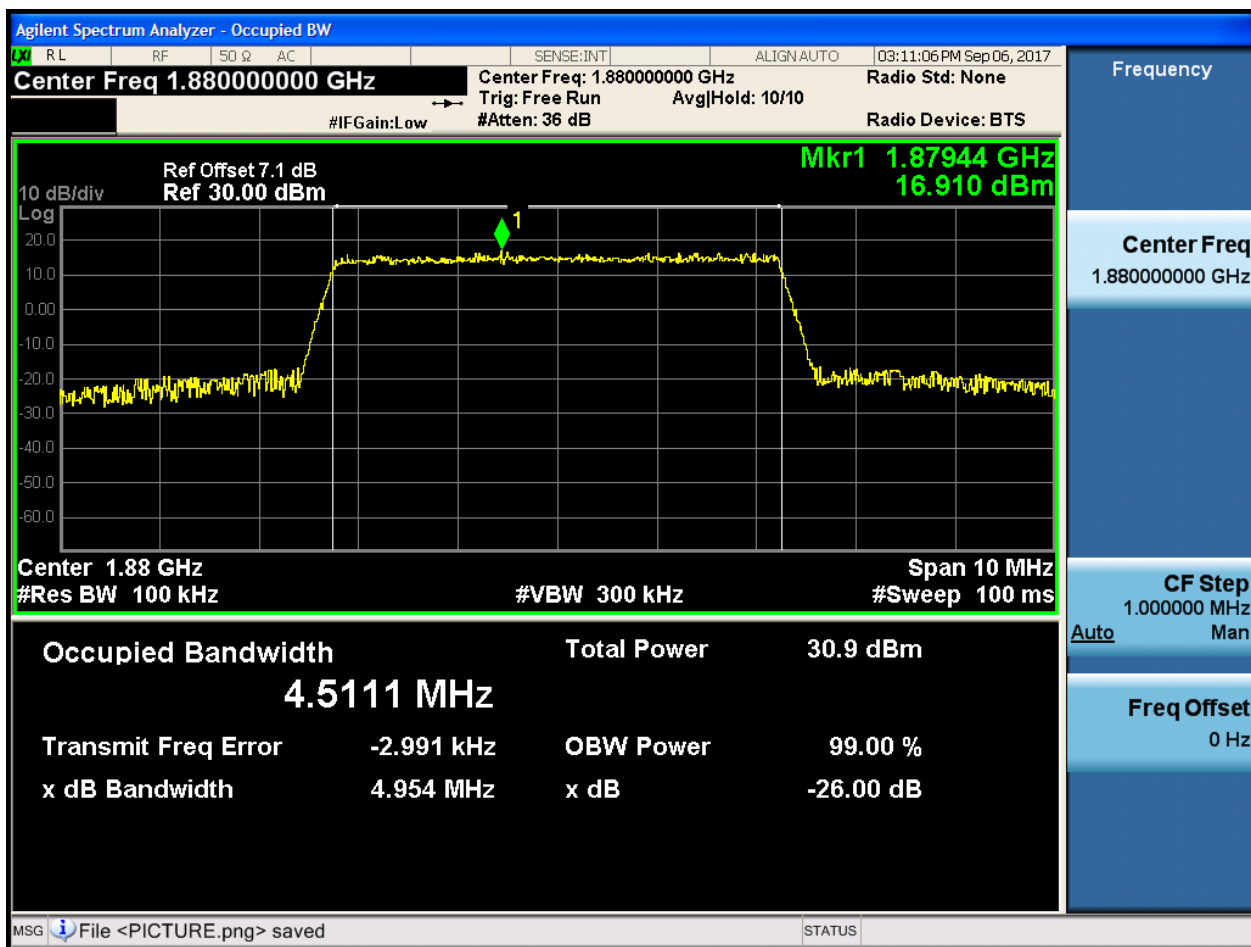
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



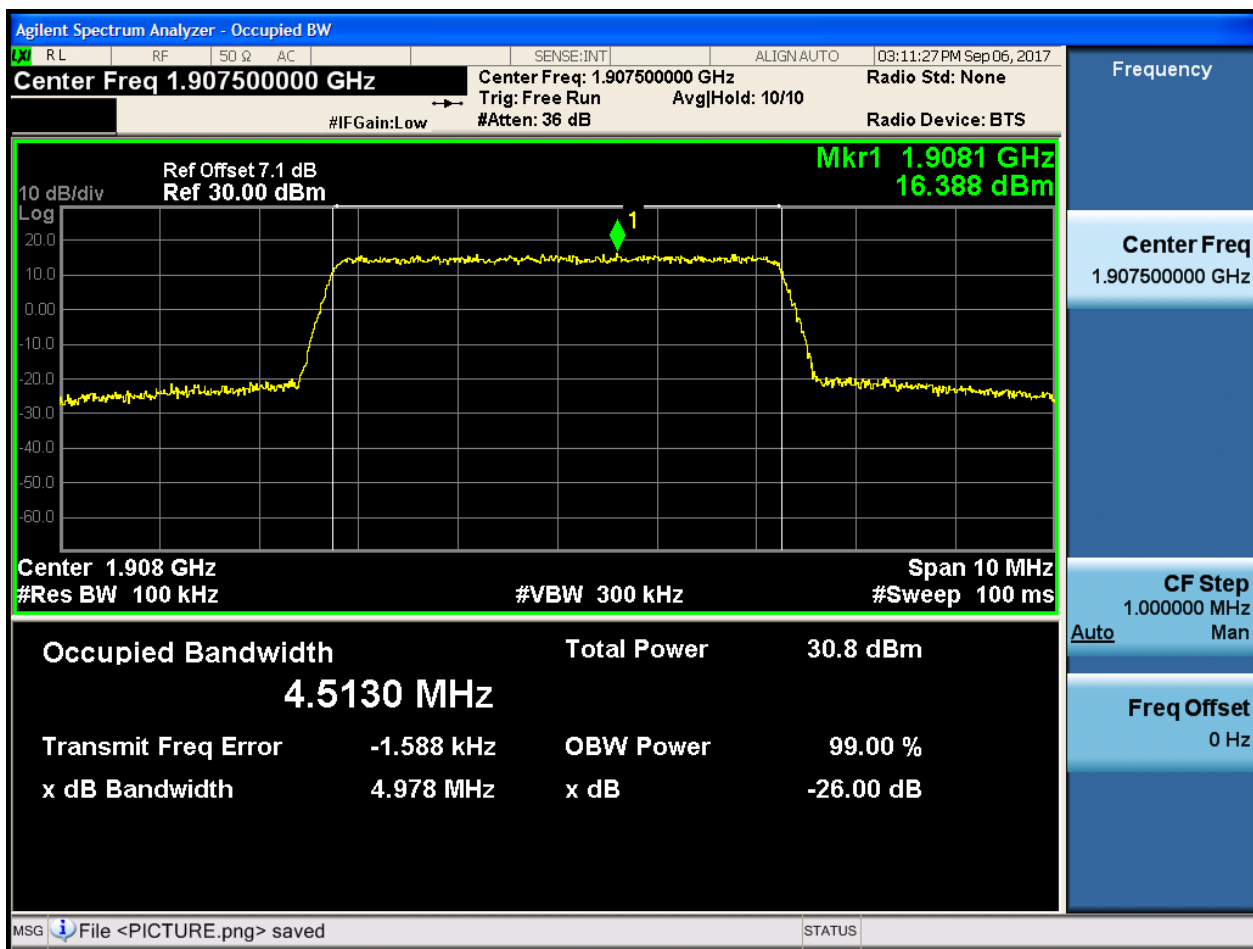
4.1.1.2.3.2 Test Channel = MCH

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

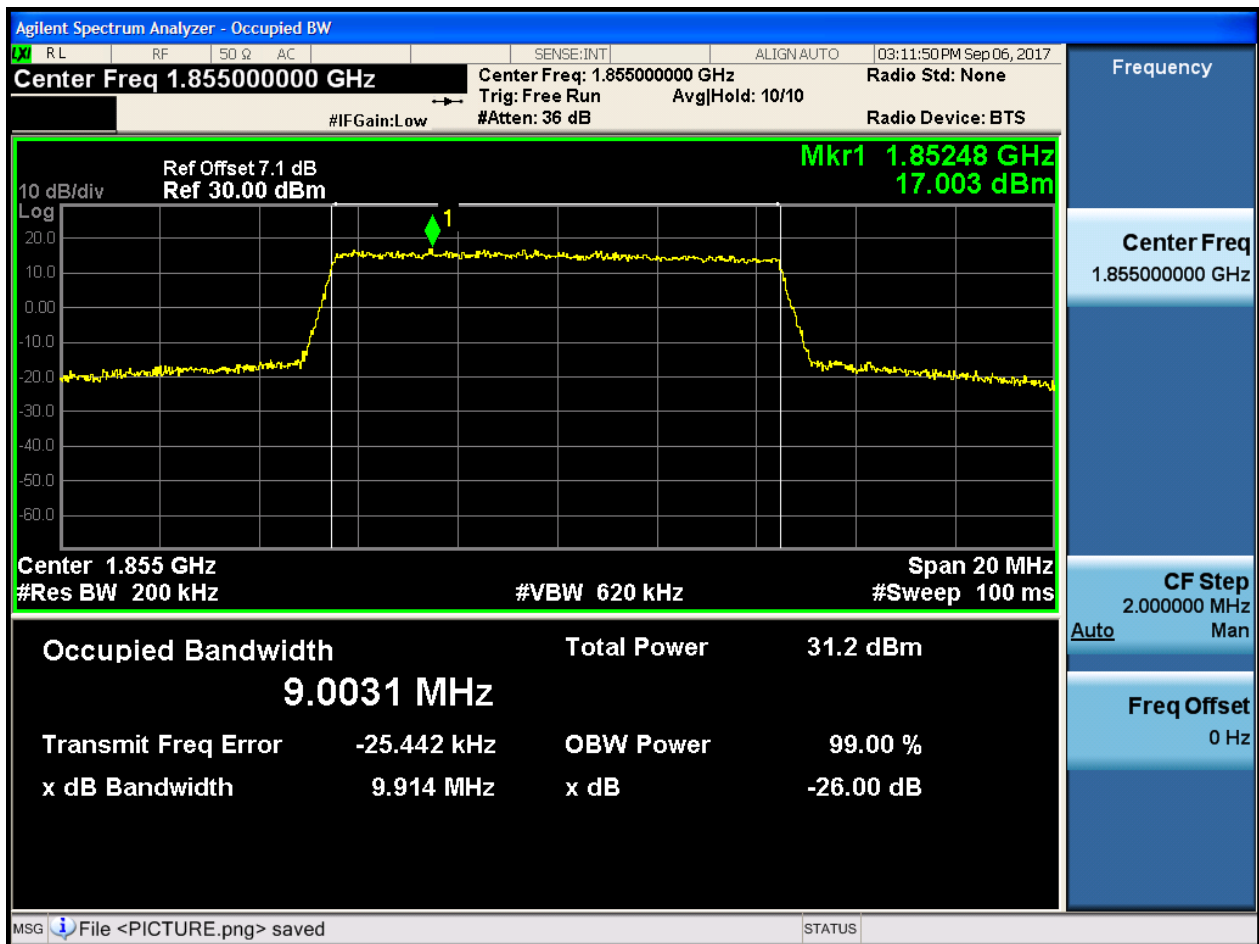




4.1.1.2.4 Test Bandwidth = 10

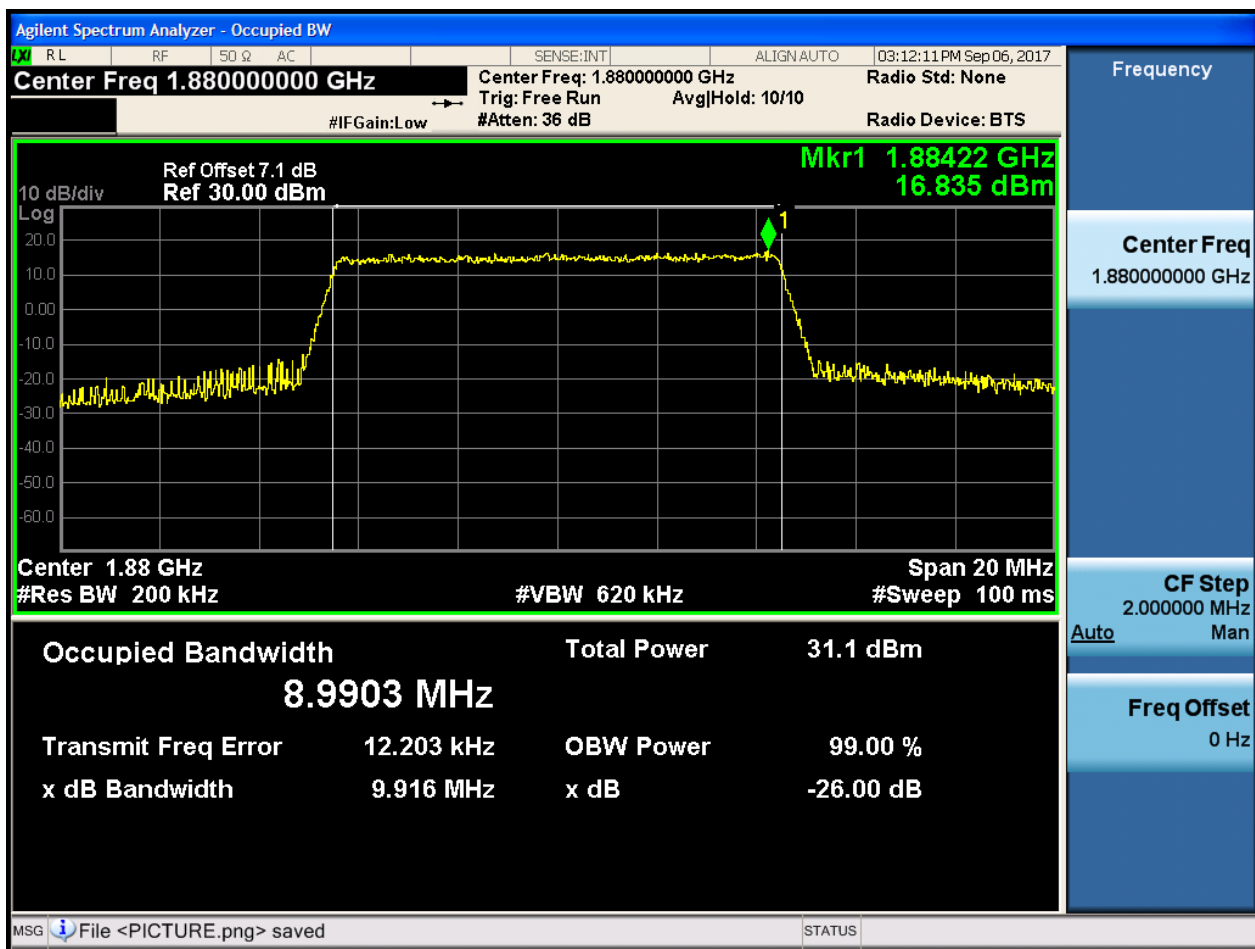
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



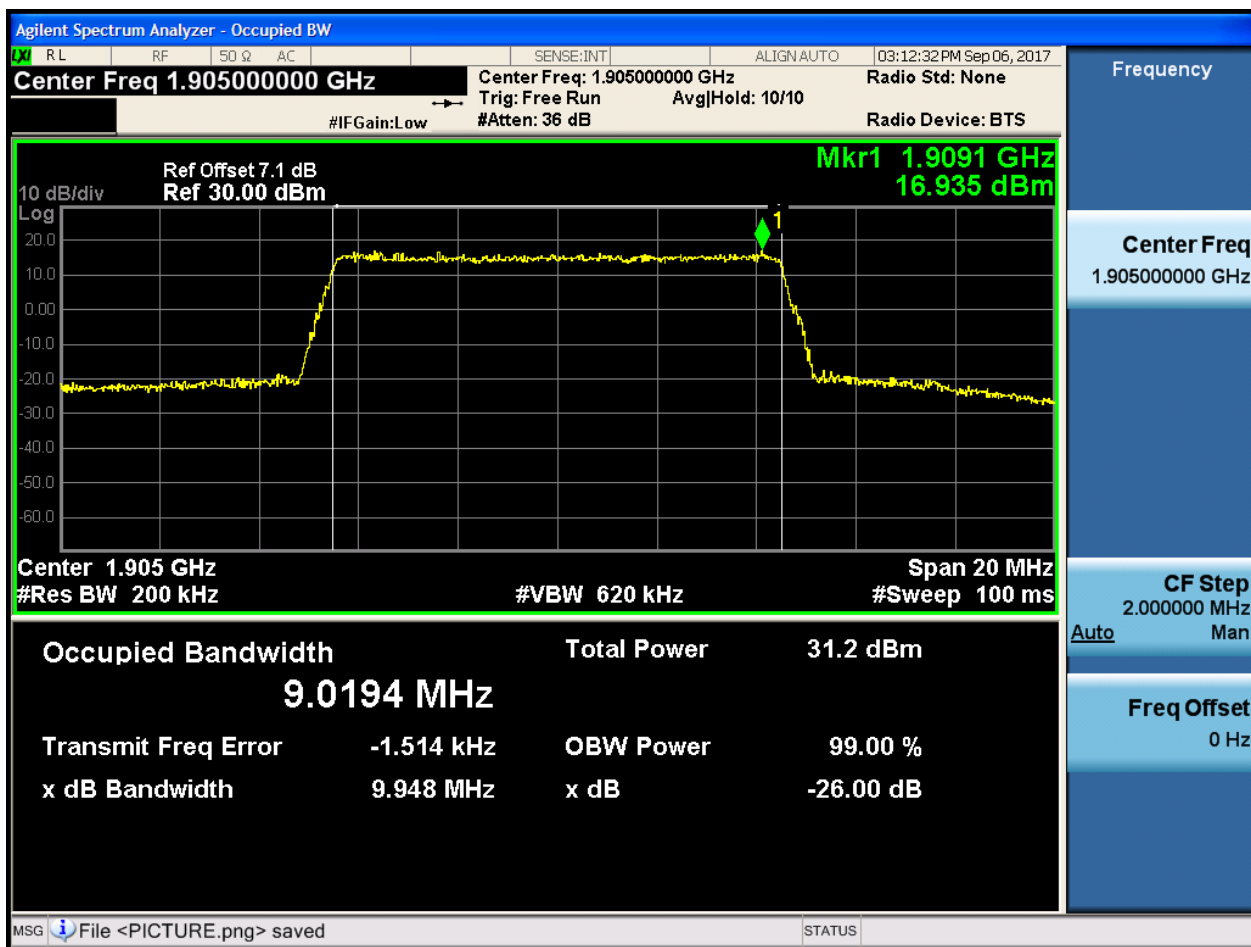
4.1.1.2.4.2 Test Channel = MCH

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

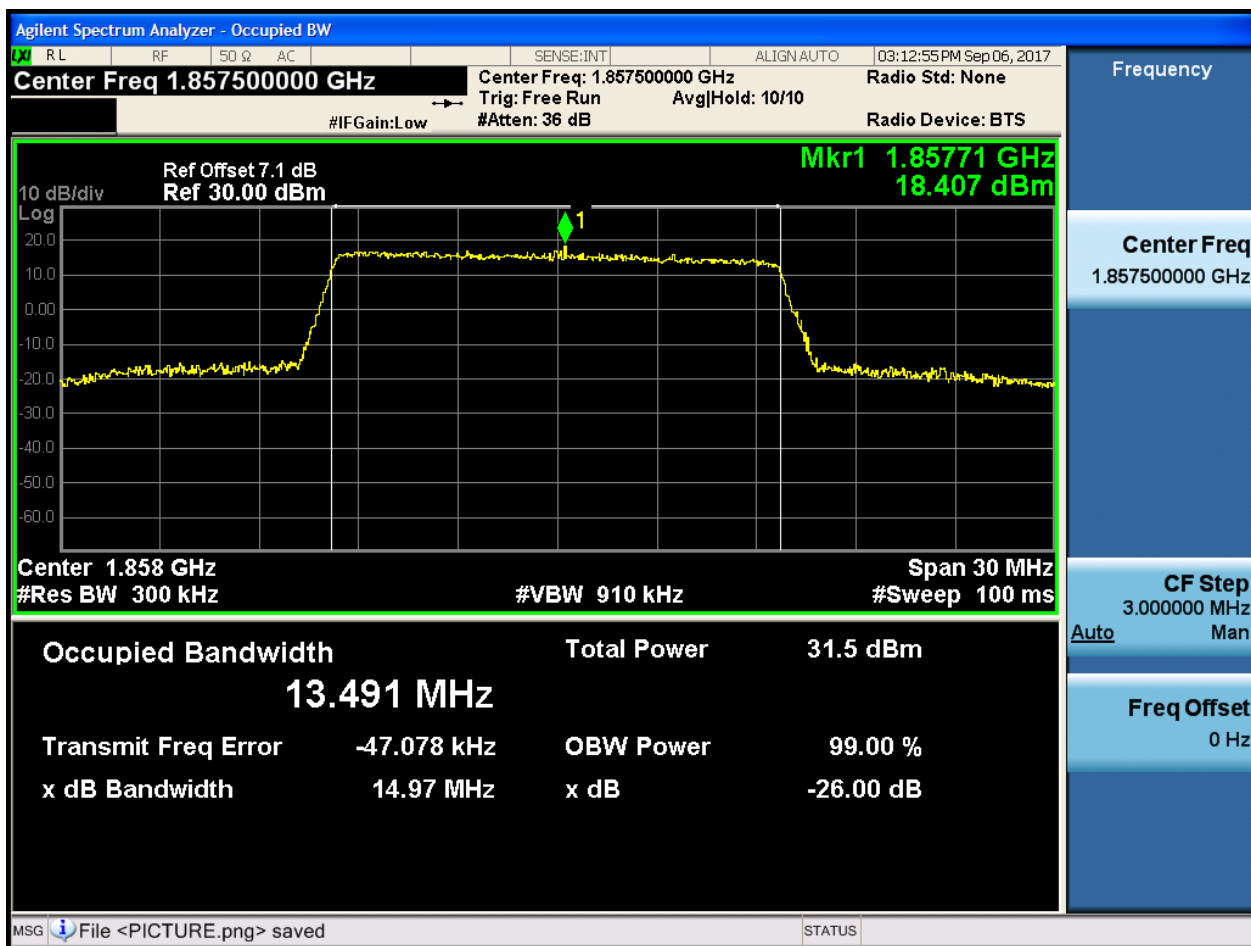




4.1.1.2.5 Test Bandwidth = 15

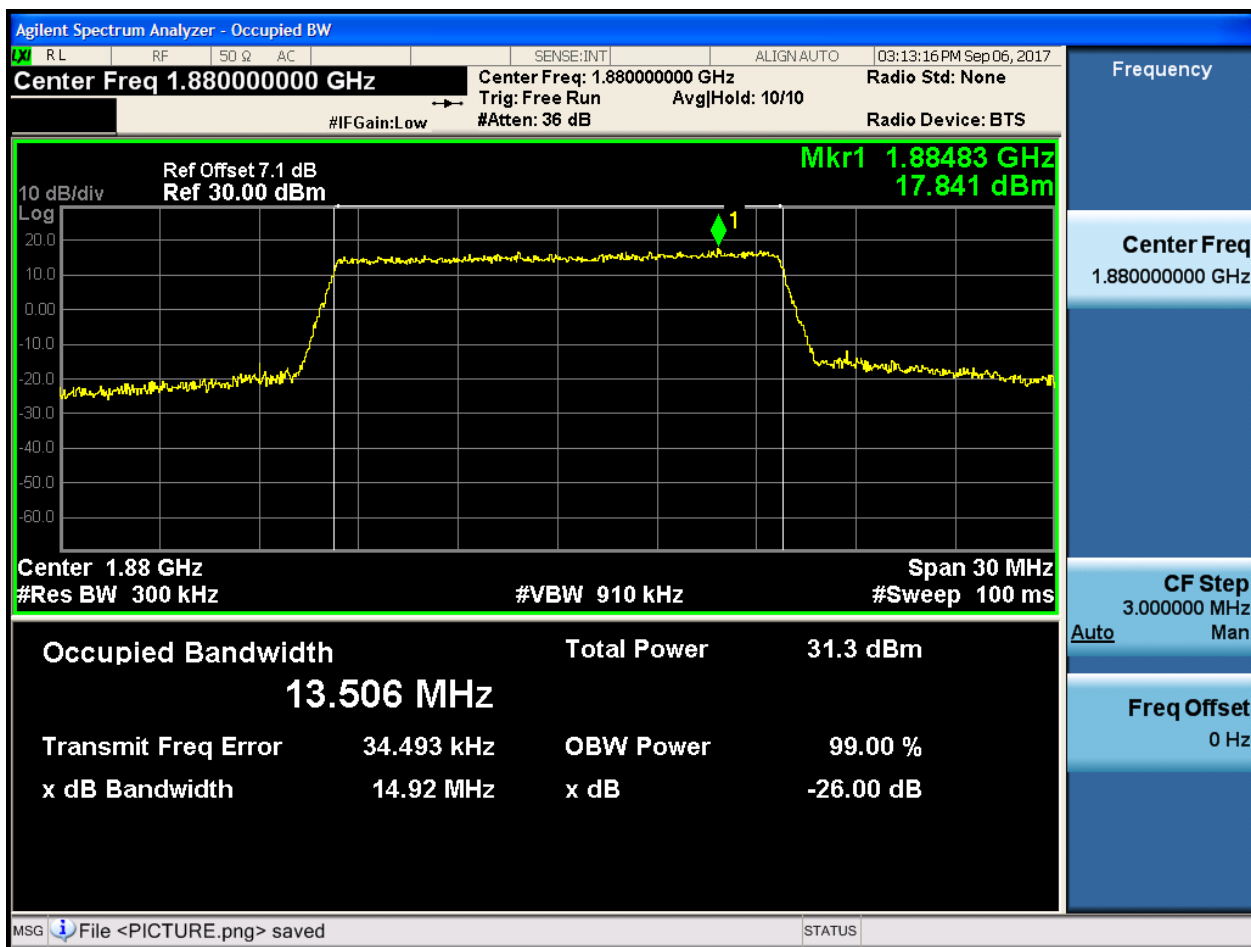
4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



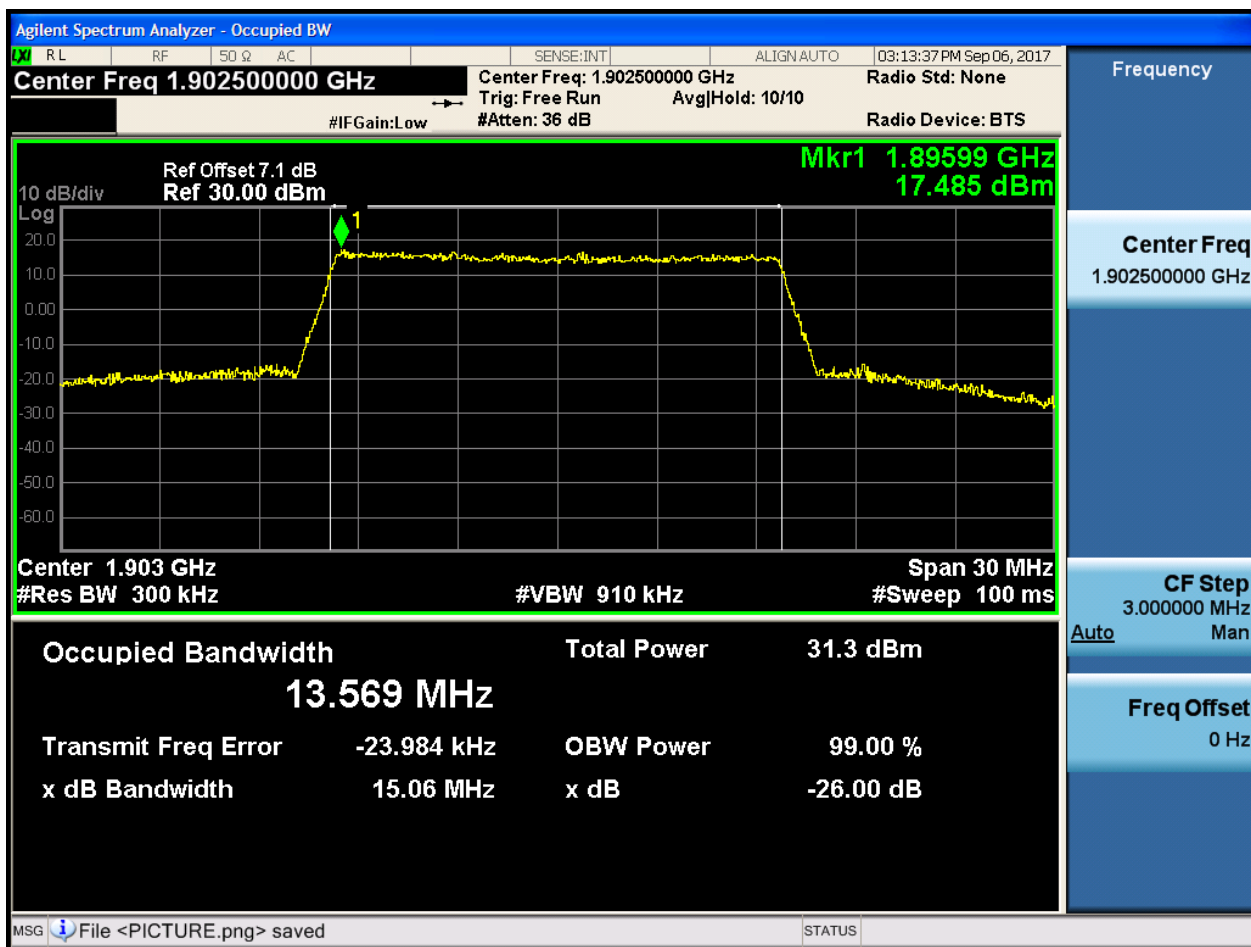
4.1.1.2.5.2 Test Channel = MCH

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

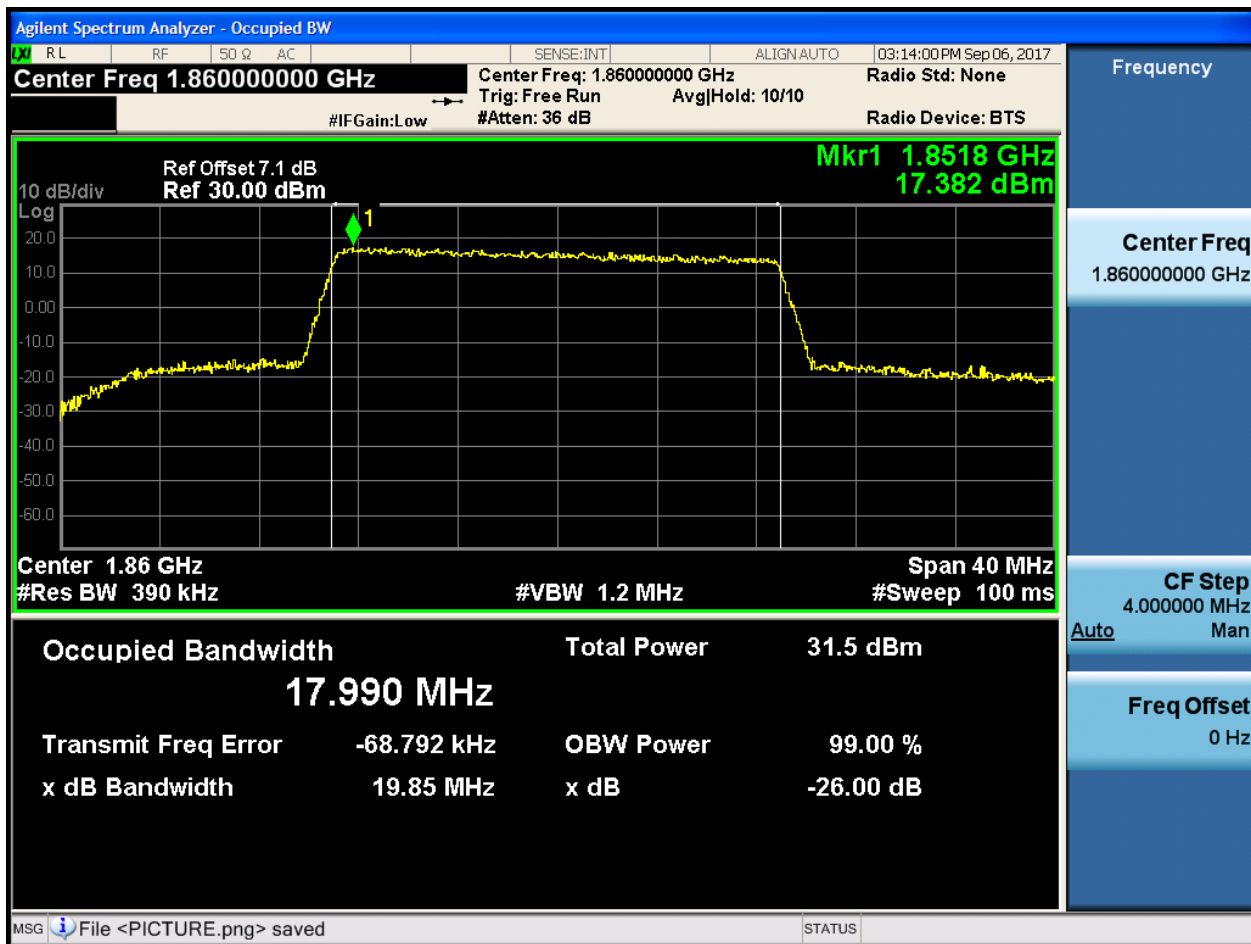




4.1.1.2.6 Test Bandwidth = 20

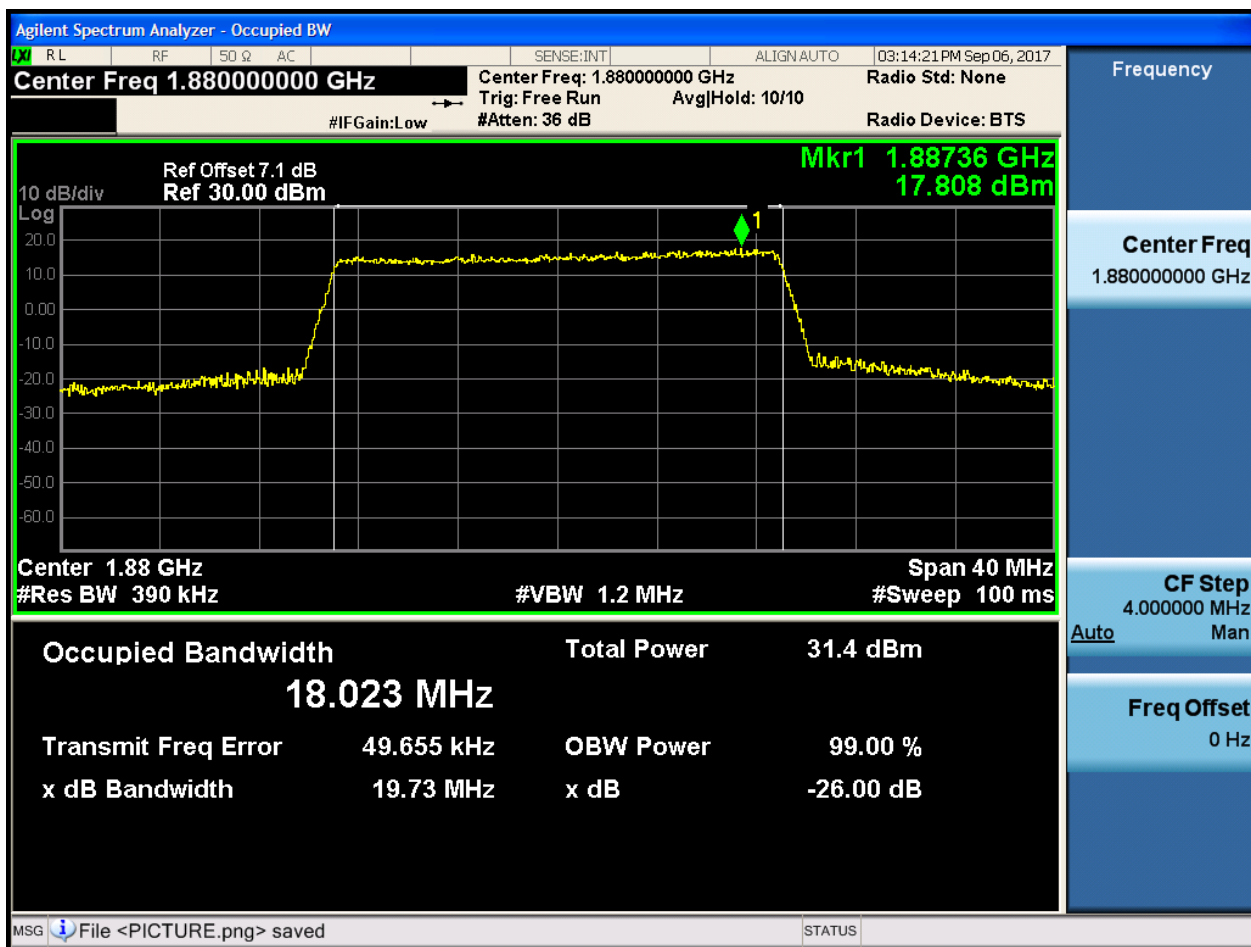
4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0



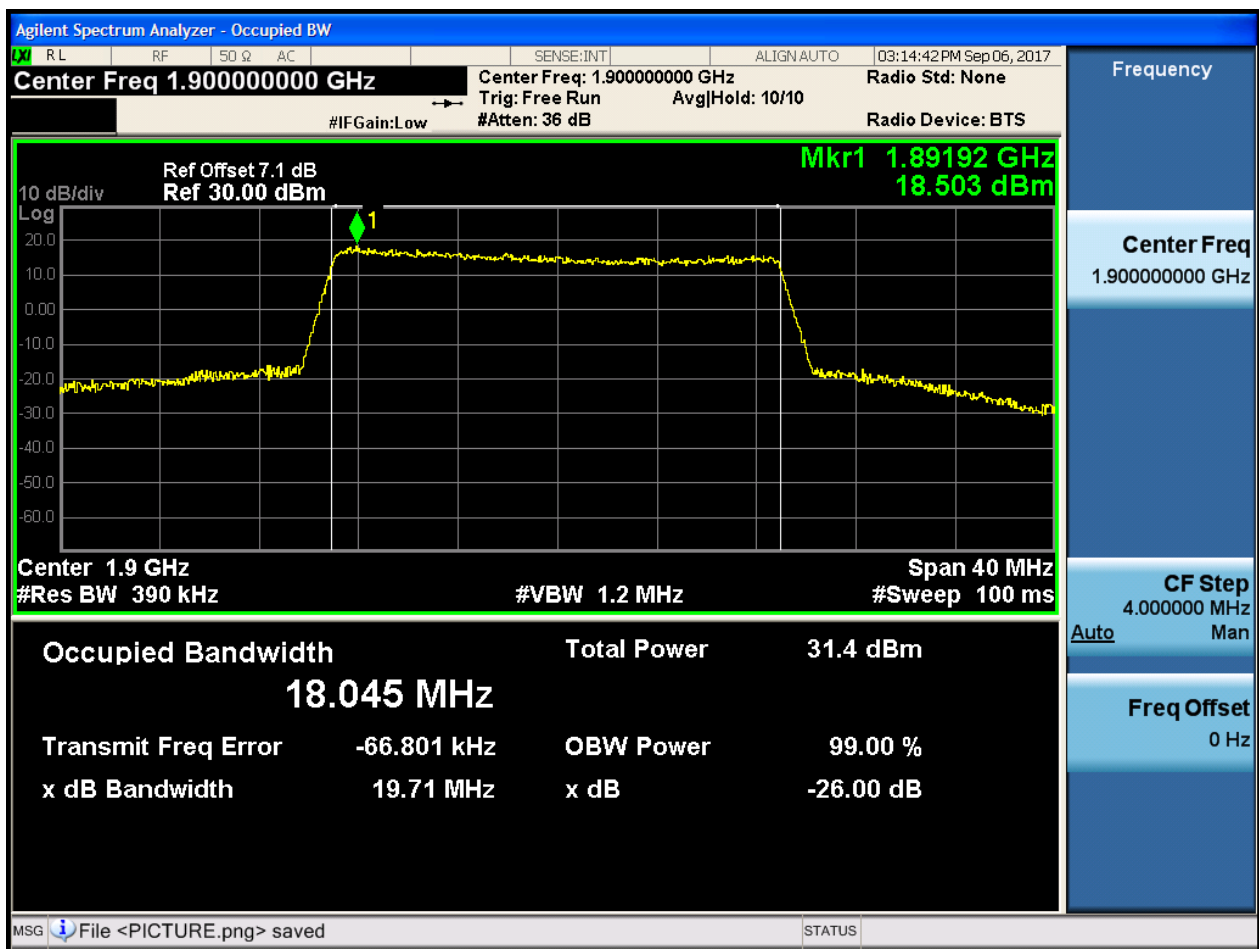
4.1.1.2.6.2 Test Channel = MCH

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

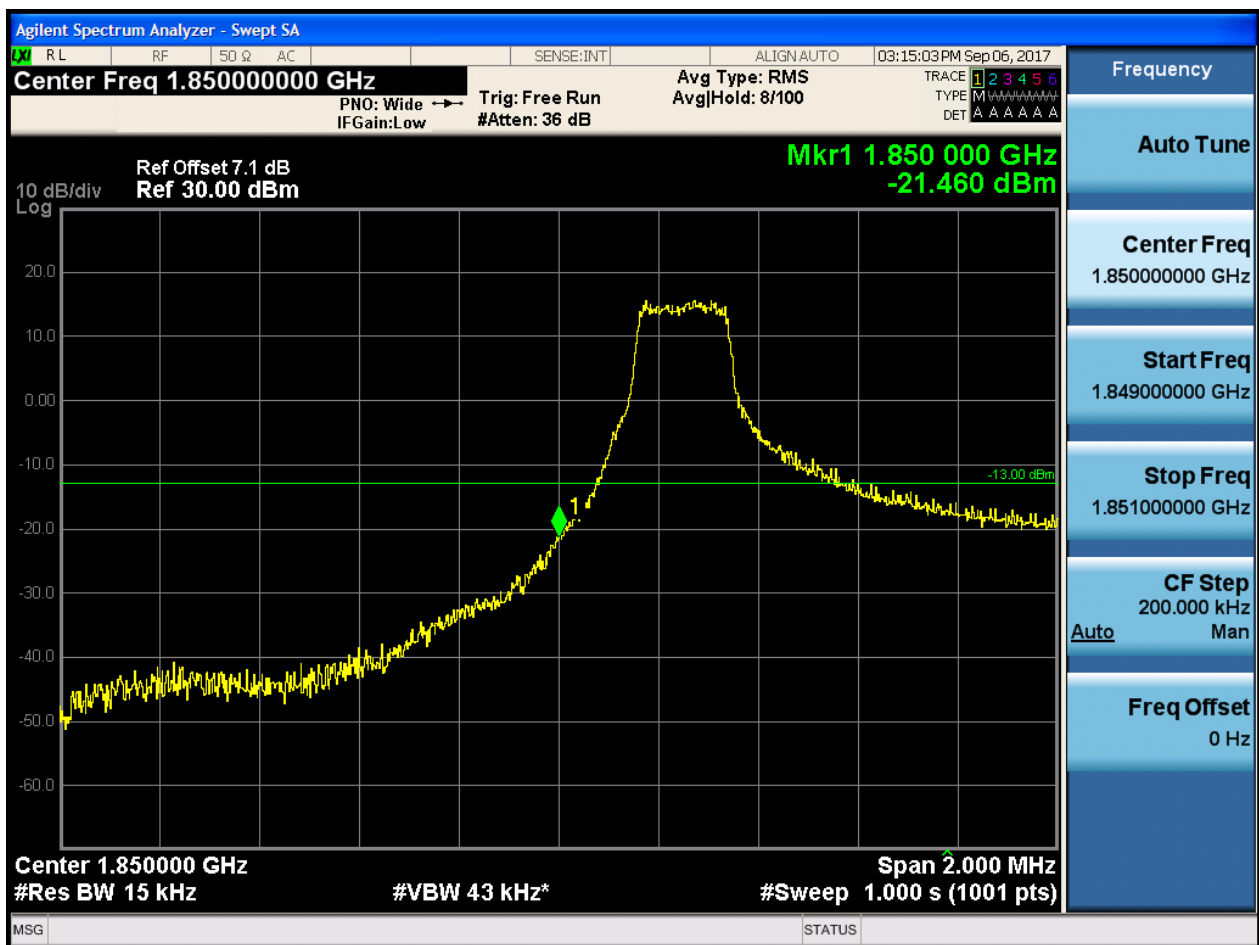
5.1.1 Test Band = BAND2

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

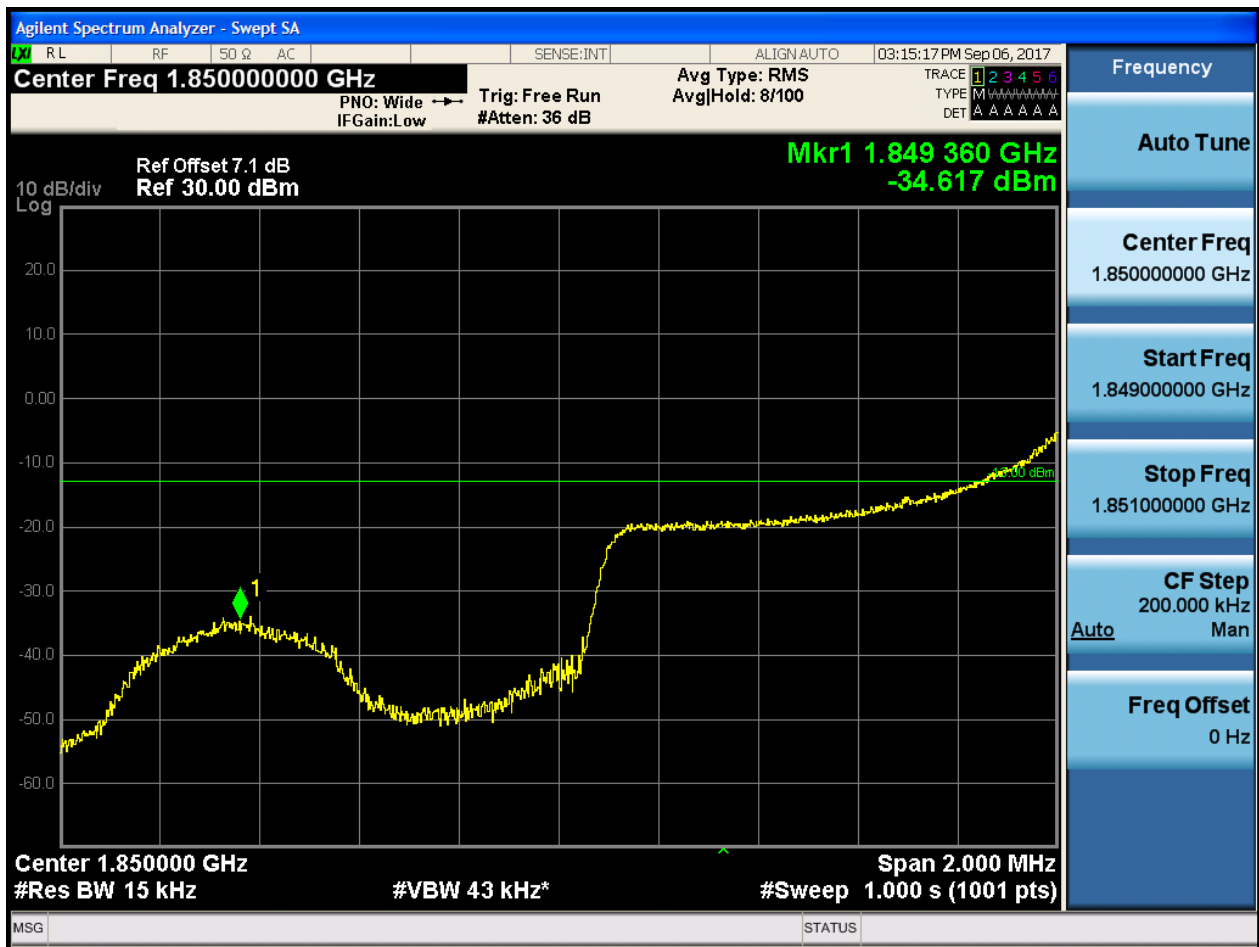
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:15:32 PM Sep 06, 2017

Center Freq 1.850000000 GHz Avg Type: RMS
 PNO: Wide Trg: Free Run
 IFGain:Low #Atten: 36 dB

Ref Offset 7.1 dB
 Ref 30.00 dBm

Mkr1 1.850 000 GHz
 -28.620 dBm

10 dB/div
 Log

Center 1.850000 GHz
 #Res BW 15 kHz
 #VBW 43 kHz*
 Span 2.000 MHz
 #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
 1.850000000 GHz

Start Freq
 1.849000000 GHz

Stop Freq
 1.851000000 GHz

CF Step
 200.000 kHz
 Auto Man

Freq Offset
 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:15:47 PM Sep 06, 2017

Center Freq 1.850000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.849 910 GHz
-23.689 dBm

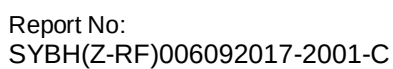
10 dB/div
Log

Center 1.850000 GHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:16:36 PM Sep 06, 2017

Center Freq 1.910000000 GHz Avg Type: RMS
 PNO: Wide IFGain:Low Trig: Free Run
 #Atten: 36 dB

TRACE 1 2 3 4 5 6
 TYPE M W W W W W W W W
 DET A A A A A A

Ref Offset 7.1 dB
 Ref 30.00 dBm

Mkr1 1.910 040 GHz
 -22.262 dBm

10 dB/div
 Log

Center 1.910000 GHz
 #Res BW 15 kHz
 #VBW 43 kHz*
 Span 2.000 MHz
 #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
 1.910000000 GHz

Start Freq
 1.909000000 GHz

Stop Freq
 1.911000000 GHz

CF Step
 200.000 kHz
 Auto Man

Freq Offset
 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:16:51 PM Sep 06, 2017

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide Trg: Free Run AvgHold: 8/100
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 110 GHz
-29.864 dBm

10 dB/div
Log

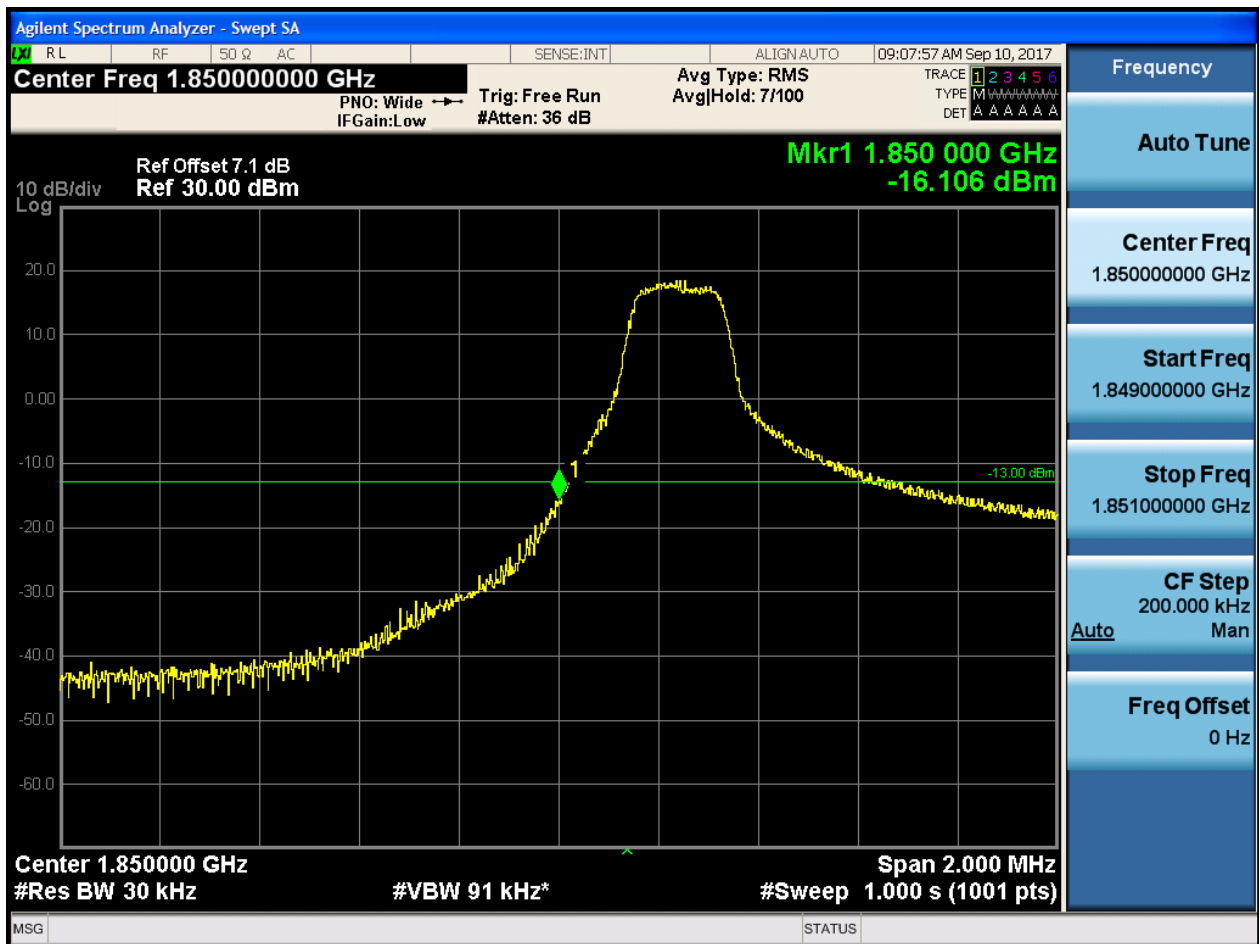
Center 1.910000 GHz Span 2.000 MHz
#Res BW 15 kHz #VBW 43 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

5.1.1.1.2 Test Bandwidth = 3

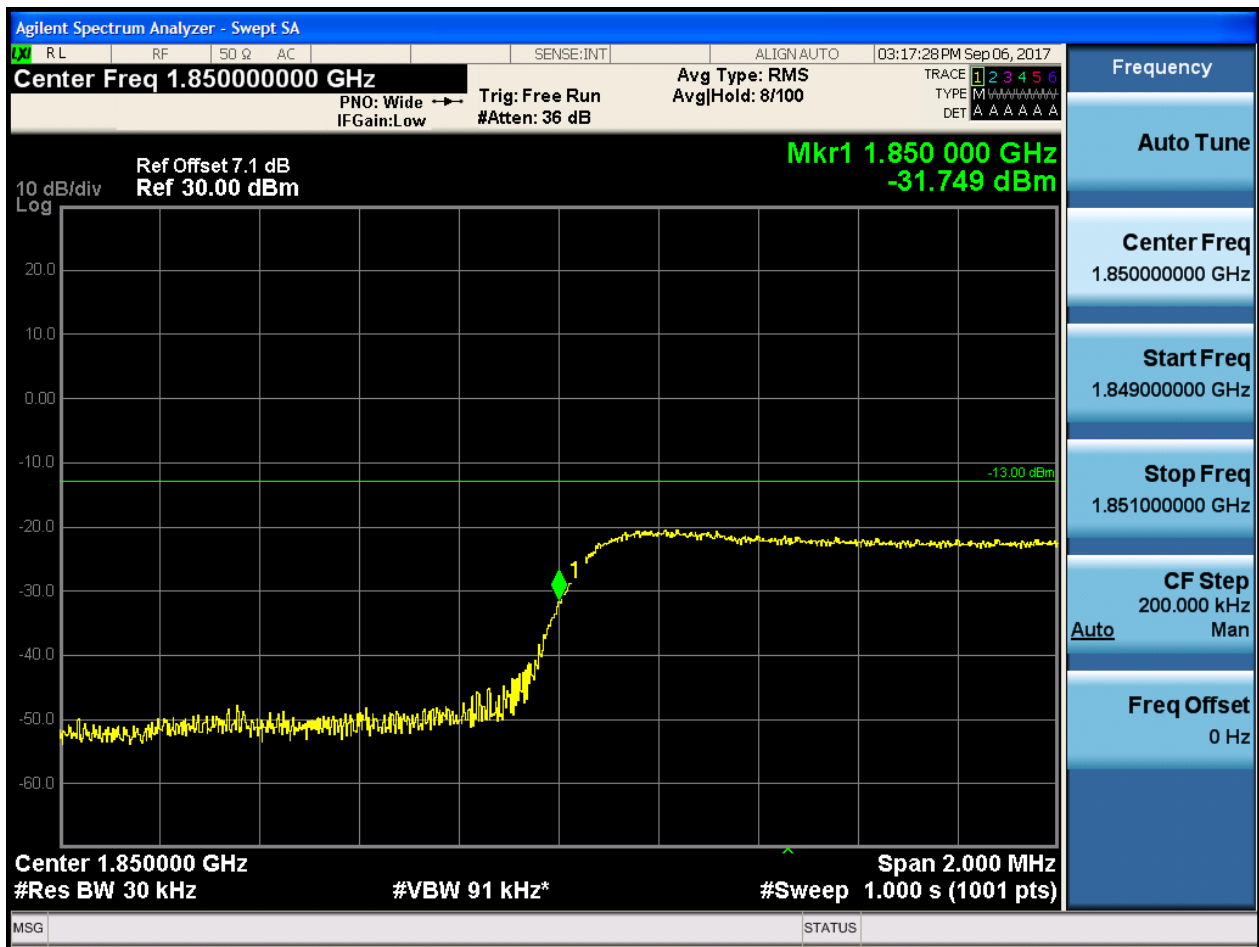
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:17:43 PM Sep 06, 2017

Center Freq 1.850000000 GHz Avg Type: RMS
PNO: Wide Trg: Free Run AvgHold: 8/100
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-29.069 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 30 kHz #VBW 91 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:17:57 PM Sep 06, 2017

Center Freq 1.850000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-26.112 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 30 kHz
#VBW 91 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

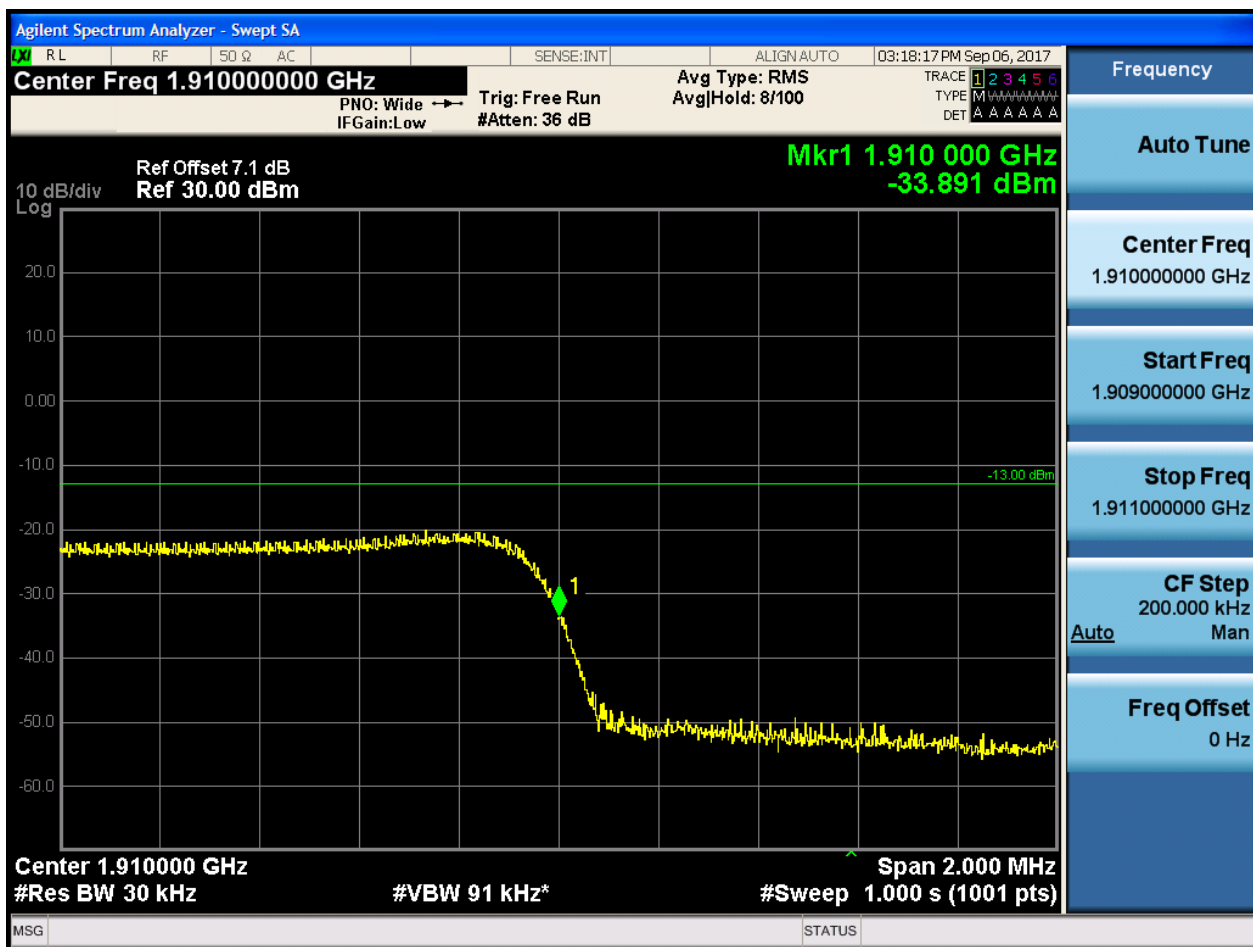
Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

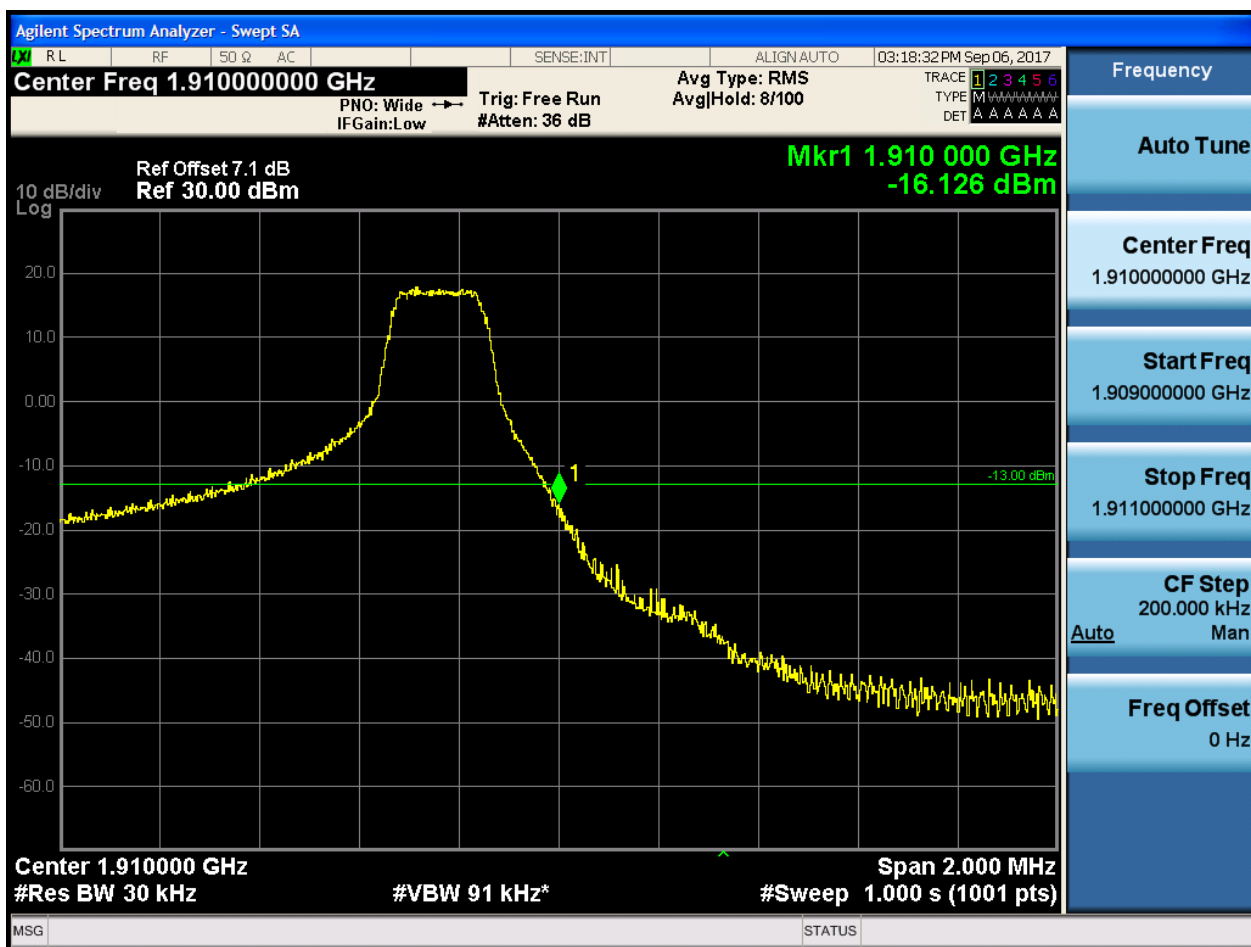
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:18:47 PM Sep 06, 2017

Center Freq 1.91000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-29.738 dBm

10 dB/div
Log

20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

1

Center 1.910000 GHz
#Res BW 30 kHz

#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq 1.910000000 GHz
Start Freq 1.909000000 GHz
Stop Freq 1.911000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:19:01 PM Sep 06, 2017

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 010 GHz
-28.335 dBm

10 dB/div
Log

Center 1.910000 GHz
#Res BW 30 kHz
#VBW 91 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

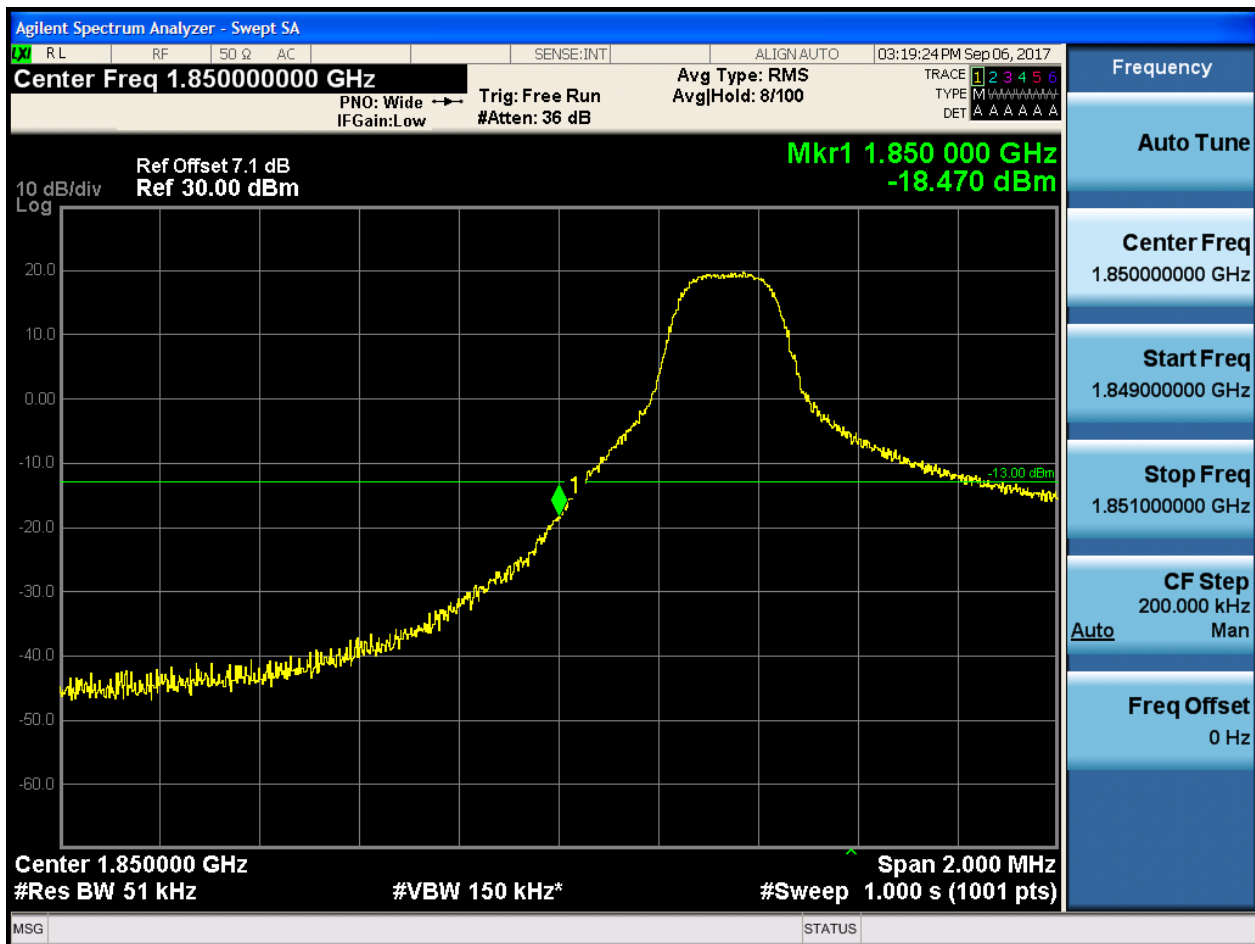
Freq Offset
0 Hz



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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.850000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.850 000 GHz
-37.008 dBm

Center 1.850000 GHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

The image shows a screenshot of an Agilent Spectrum Analyzer in Swept SA mode. The main display is a log-scale spectrum plot with a yellow trace. The signal is relatively flat at -50 dBm from 1.849 GHz to approximately 1.8495 GHz, then rises sharply to -37 dBm by 1.8505 GHz, and remains flat at that level until 1.851 GHz. A green horizontal line is drawn at -13.00 dBm. A green marker labeled '1' is placed on the rising part of the signal. The interface includes a top status bar with various settings like R/L, RF, 50 Ω, AC, SENSE:INT, ALIGN AUTO, and a date/time stamp. Below the status bar are several control panels: Center Freq (1.850000000 GHz), Ref Offset (7.1 dB), Ref (30.00 dBm), PNO: Wide, IFGain:Low, Trig: Free Run, #Atten: 36 dB, Avg Type: RMS, AvgHold: 8/100, TRACE 1, TYPE M, DET A A A A A. On the right side, there is a vertical menu with options: Frequency, Auto Tune, Center Freq (1.850000000 GHz), Start Freq (1.849000000 GHz), Stop Freq (1.851000000 GHz), CF Step (200.000 kHz, Auto/Man), and Freq Offset (0 Hz). At the bottom, there are panels for Center (1.850000 GHz), #Res BW (51 kHz), #VBW (150 kHz*), Span (2.000 MHz), #Sweep (1.000 s (1001 pts)), MSG, and STATUS.



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:19:53 PM Sep 06, 2017

Center Freq 1.850000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.849 850 GHz
-29.297 dBm

10 dB/div
Log

-13.00 dBm

Center 1.850000 GHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.850000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.850 000 GHz
-27.341 dBm

Center 1.850000 GHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

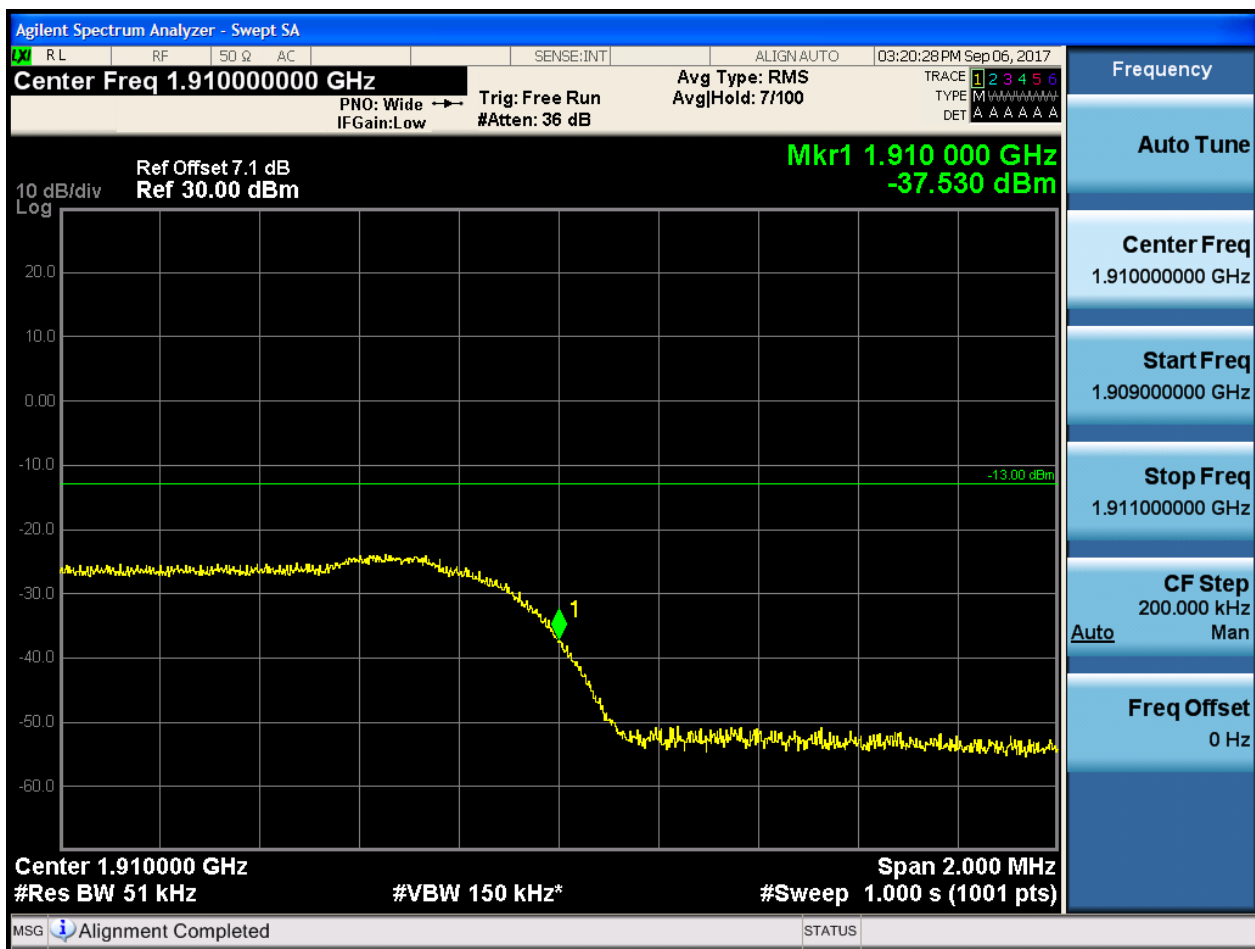
Freq Offset
0 Hz

The image shows a screenshot of an Agilent Spectrum Analyzer in a swept mode. The main display is a log-scale plot of power spectral density (PSD) versus frequency. The y-axis is labeled '10 dB/div Log' and ranges from -60.0 to 20.0 dBm. The x-axis represents frequency, with a center frequency of 1.850000000 GHz and a span of 2.000 MHz. A yellow trace shows a signal that is flat at approximately -30 dBm from 1.848 GHz to 1.849 GHz, then rises sharply to about -13 dBm by 1.851 GHz, and remains flat thereafter. A green horizontal line is drawn at -13.00 dBm. A green diamond marker is placed on the rising portion of the trace. The right-hand side of the screen features a sidebar with various parameters: 'Frequency' (1.850000000 GHz), 'Auto Tune' (checked), 'Center Freq' (1.850000000 GHz), 'Start Freq' (1.849000000 GHz), 'Stop Freq' (1.851000000 GHz), 'CF Step' (200.000 kHz, set to 'Auto'), and 'Freq Offset' (0 Hz). The top of the screen displays the instrument name 'Agilent Spectrum Analyzer - Swept SA', the center frequency, reference offset and power, and other settings like 'PNO: Wide', 'IFGain: Low', 'Trig: Free Run', and '#Atten: 36 dB'. The bottom status bar shows 'MSG' and 'STATUS' indicators.



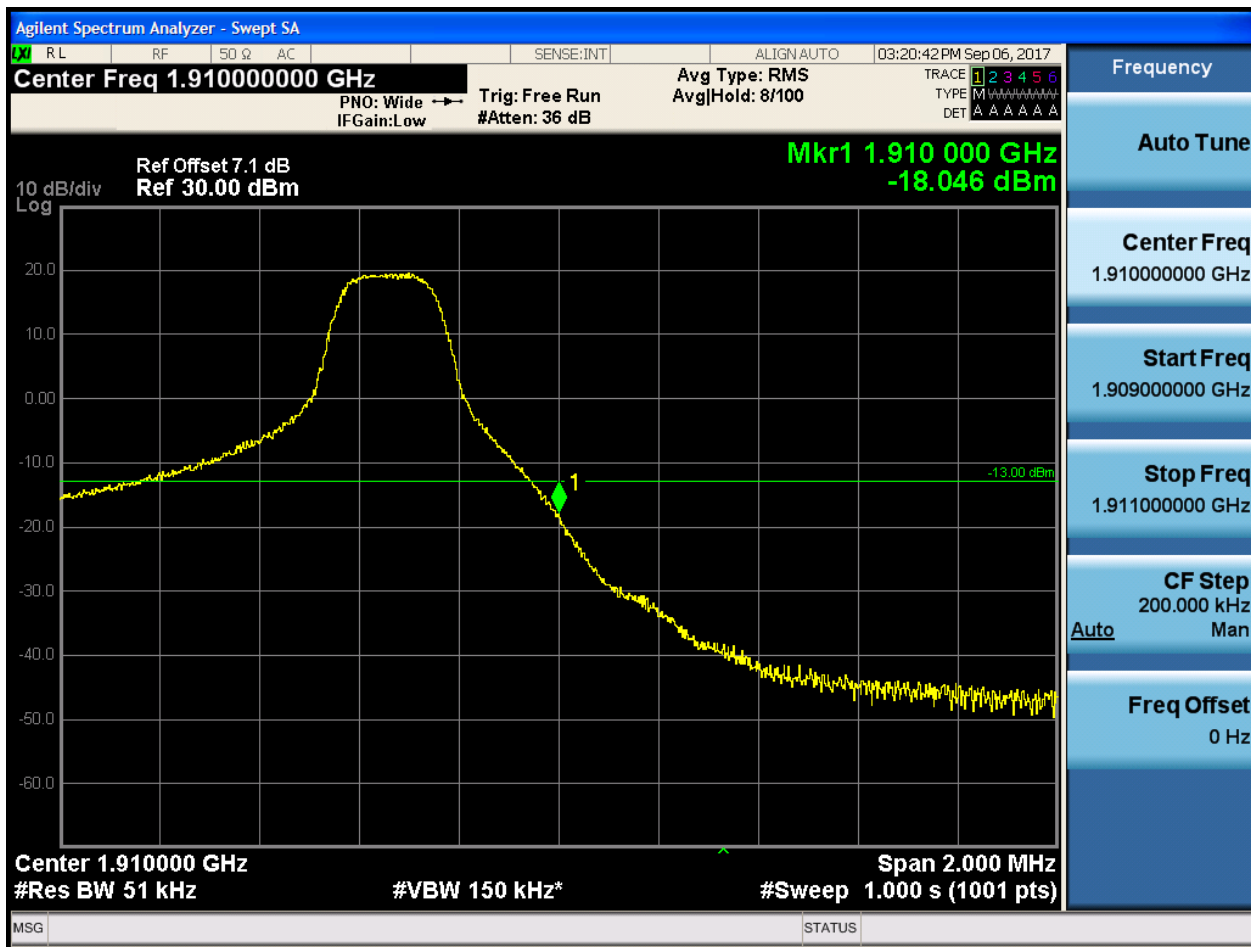
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:20:57 PM Sep 06, 2017

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-30.791 dBm

10 dB/div
Log

Center 1.910000 GHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:21:12 PM Sep 06, 2017

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-27.737 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

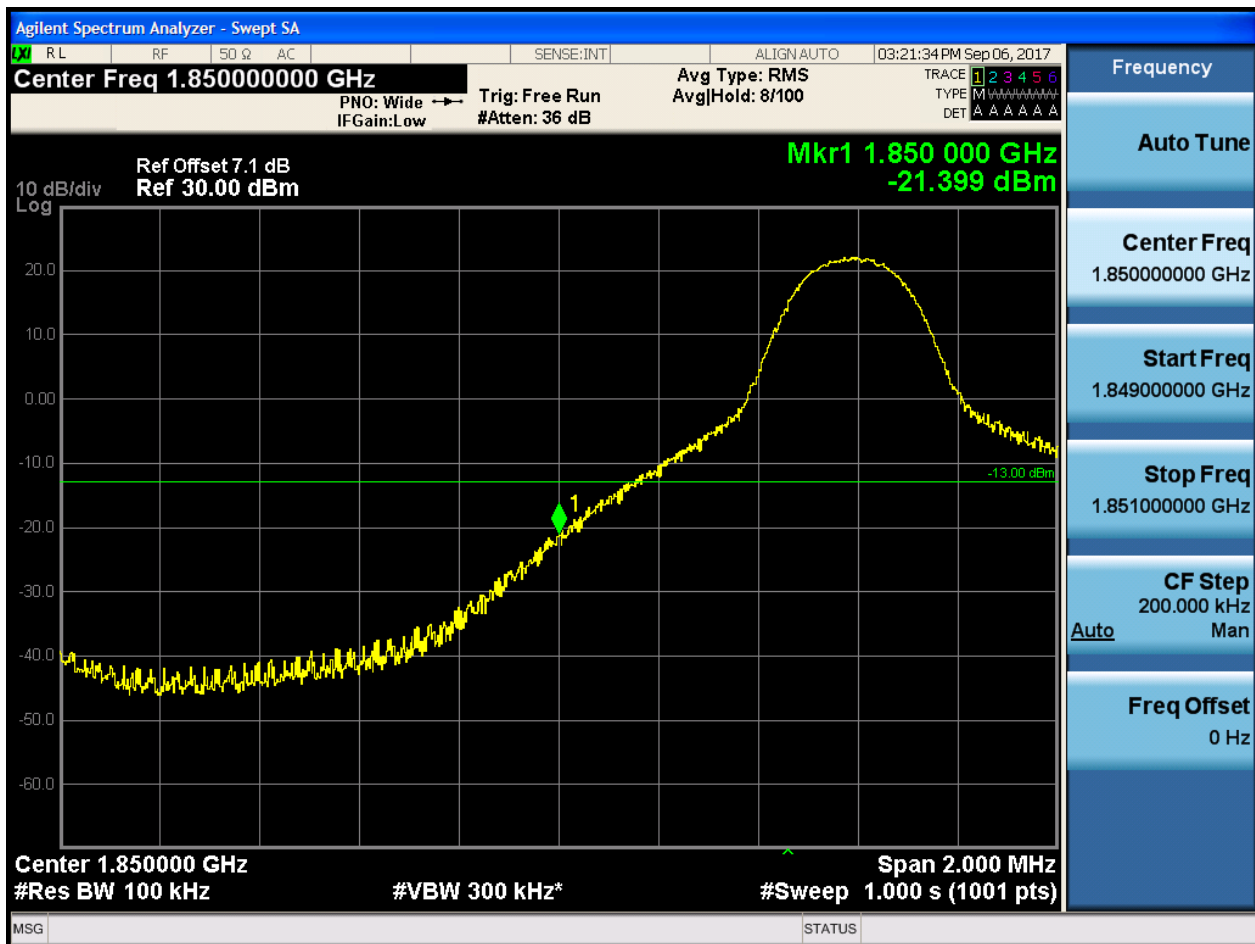
Freq Offset
0 Hz



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

