



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	23.96	24.06	33	PASS
				RB1#3	23.97	24.07	33	PASS
				RB1#5	23.99	24.09	33	PASS
				RB3#0	23.85	23.95	33	PASS
				RB3#2	23.93	24.03	33	PASS
				RB3#3	24.06	24.16	33	PASS
				RB6#0	23	23.1	33	PASS
			MCH	RB1#0	23.65	23.75	33	PASS
				RB1#3	23.92	24.02	33	PASS
				RB1#5	23.84	23.94	33	PASS
				RB3#0	23.69	23.79	33	PASS
				RB3#2	23.75	23.85	33	PASS
				RB3#3	23.82	23.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	22.77	22.87	33	PASS
			HCH	RB1#0	23.72	23.82	33	PASS
				RB1#3	23.97	24.07	33	PASS
				RB1#5	23.85	23.95	33	PASS
				RB3#0	23.93	24.03	33	PASS
				RB3#2	23.85	23.95	33	PASS
				RB3#3	23.76	23.86	33	PASS
				RB6#0	22.82	22.92	33	PASS
		3	LCH	RB1#0	24.01	24.11	33	PASS
				RB1#7	23.98	24.08	33	PASS
				RB1#14	24.16	24.26	33	PASS
				RB8#0	22.96	23.06	33	PASS
				RB8#4	23.05	23.15	33	PASS
				RB8#7	22.98	23.08	33	PASS
				RB15#0	22.96	23.06	33	PASS
			MCH	RB1#0	23.65	23.75	33	PASS
				RB1#7	23.98	24.08	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	23.51	23.61	33	PASS
				RB8#0	22.78	22.88	33	PASS
				RB8#4	22.76	22.86	33	PASS
				RB8#7	22.76	22.86	33	PASS
				RB15#0	22.85	22.95	33	PASS
			HCH	RB1#0	23.86	23.96	33	PASS
				RB1#7	23.92	24.02	33	PASS
				RB1#14	24.05	24.15	33	PASS
				RB8#0	22.95	23.05	33	PASS
				RB8#4	22.89	22.99	33	PASS
				RB8#7	23	23.1	33	PASS
				RB15#0	23.02	23.12	33	PASS
		5	LCH	RB1#0	23.87	23.97	33	PASS
				RB1#13	24.18	24.28	33	PASS
				RB1#24	23.93	24.03	33	PASS
				RB12#0	22.91	23.01	33	PASS
				RB12#6	22.99	23.09	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	22.93	23.03	33	PASS
				RB25#0	22.95	23.05	33	PASS
			MCH	RB1#0	24.01	24.11	33	PASS
				RB1#13	24.11	24.21	33	PASS
				RB1#24	24.11	24.21	33	PASS
				RB12#0	23.21	23.31	33	PASS
				RB12#6	23.37	23.47	33	PASS
				RB12#13	23.25	23.35	33	PASS
				RB25#0	23.27	23.37	33	PASS
			HCH	RB1#0	23.69	23.79	33	PASS
				RB1#13	23.49	23.59	33	PASS
				RB1#24	23.45	23.55	33	PASS
				RB12#0	22.94	23.04	33	PASS
				RB12#6	22.99	23.09	33	PASS
				RB12#13	22.91	23.01	33	PASS
				RB25#0	23.02	23.12	33	PASS
		10	LCH	RB1#0	23.75	23.85	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	24.27	24.37	33	PASS
				RB1#49	24.11	24.21	33	PASS
				RB25#0	22.9	23	33	PASS
				RB25#13	22.95	23.05	33	PASS
				RB25#25	22.96	23.06	33	PASS
				RB50#0	22.93	23.03	33	PASS
			MCH	RB1#0	23.84	23.94	33	PASS
				RB1#25	24.27	24.37	33	PASS
				RB1#49	23.93	24.03	33	PASS
				RB25#0	23.05	23.15	33	PASS
				RB25#13	23.06	23.16	33	PASS
				RB25#25	23.15	23.25	33	PASS
				RB50#0	23.11	23.21	33	PASS
			HCH	RB1#0	23.83	23.93	33	PASS
				RB1#25	24.27	24.37	33	PASS
				RB1#49	24.02	24.12	33	PASS
				RB25#0	22.97	23.07	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	23.04	23.14	33	PASS
				RB25#25	22.99	23.09	33	PASS
				RB50#0	23.01	23.11	33	PASS
		15	LCH	RB1#0	24.08	24.18	33	PASS
				RB1#38	24.11	24.21	33	PASS
				RB1#74	24.05	24.15	33	PASS
				RB38#0	22.93	23.03	33	PASS
				RB38#19	22.94	23.04	33	PASS
				RB38#39	22.97	23.07	33	PASS
				RB75#0	22.99	23.09	33	PASS
			MCH	RB1#0	23.85	23.95	33	PASS
				RB1#38	23.97	24.07	33	PASS
				RB1#74	23.98	24.08	33	PASS
				RB38#0	23.01	23.11	33	PASS
				RB38#19	23.03	23.13	33	PASS
				RB38#39	23.06	23.16	33	PASS
				RB75#0	23.06	23.16	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	24.08	24.18	33	PASS
				RB1#38	23.95	24.05	33	PASS
				RB1#74	23.95	24.05	33	PASS
				RB38#0	22.98	23.08	33	PASS
				RB38#19	22.95	23.05	33	PASS
				RB38#39	23.05	23.15	33	PASS
				RB75#0	22.95	23.05	33	PASS
		20	LCH	RB1#0	23.76	23.86	33	PASS
				RB1#50	24	24.1	33	PASS
				RB1#99	23.48	23.58	33	PASS
				RB50#0	22.91	23.01	33	PASS
				RB50#25	22.95	23.05	33	PASS
				RB50#50	23.02	23.12	33	PASS
				RB100#0	23.01	23.11	33	PASS
			MCH	RB1#0	23.69	23.79	33	PASS
				RB1#50	24.23	24.33	33	PASS
				RB1#99	23.8	23.9	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	22.94	23.04	33	PASS
				RB50#25	22.98	23.08	33	PASS
				RB50#50	23.05	23.15	33	PASS
				RB100#0	22.99	23.09	33	PASS
			HCH	RB1#0	23.91	24.01	33	PASS
				RB1#50	24.1	24.2	33	PASS
				RB1#99	23.93	24.03	33	PASS
				RB50#0	23.09	23.19	33	PASS
		1.4	LCH	RB50#25	23.03	23.13	33	PASS
				RB50#50	23.02	23.12	33	PASS
				RB100#0	22.99	23.09	33	PASS
				RB1#0	22.65	22.75	33	PASS
				RB1#3	22.6	22.7	33	PASS
				RB1#5	22.62	22.72	33	PASS
				RB3#0	22.74	22.84	33	PASS
				RB3#2	22.89	22.99	33	PASS
				RB3#3	22.84	22.94	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	22.02	22.12	33	PASS
			MCH	RB1#0	23.47	23.57	33	PASS
				RB1#3	23.46	23.56	33	PASS
				RB1#5	23.56	23.66	33	PASS
				RB3#0	23.23	23.33	33	PASS
				RB3#2	23.27	23.37	33	PASS
				RB3#3	23.24	23.34	33	PASS
				RB6#0	22.29	22.39	33	PASS
			HCH	RB1#0	22.83	22.93	33	PASS
				RB1#3	22.61	22.71	33	PASS
				RB1#5	22.51	22.61	33	PASS
				RB3#0	23.44	23.54	33	PASS
				RB3#2	23.54	23.64	33	PASS
				RB3#3	23.3	23.4	33	PASS
				RB6#0	22.37	22.47	33	PASS
		3	LCH	RB1#0	23.17	23.27	33	PASS
				RB1#7	23.04	23.14	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	23.02	23.12	33	PASS
				RB8#0	21.77	21.87	33	PASS
				RB8#4	21.76	21.86	33	PASS
				RB8#7	21.8	21.9	33	PASS
				RB15#0	21.73	21.83	33	PASS
			MCH	RB1#0	23.54	23.64	33	PASS
				RB1#7	23.63	23.73	33	PASS
				RB1#14	23.38	23.48	33	PASS
				RB8#0	22.23	22.33	33	PASS
				RB8#4	22.2	22.3	33	PASS
				RB8#7	22.2	22.3	33	PASS
				RB15#0	22.19	22.29	33	PASS
			HCH	RB1#0	22.37	22.47	33	PASS
				RB1#7	22.43	22.53	33	PASS
				RB1#14	22.36	22.46	33	PASS
				RB8#0	21.88	21.98	33	PASS
				RB8#4	22.14	22.24	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	22.02	22.12	33	PASS
				RB15#0	22	22.1	33	PASS
		5	LCH	RB1#0	22.53	22.63	33	PASS
				RB1#13	22.62	22.72	33	PASS
				RB1#24	22.36	22.46	33	PASS
				RB12#0	21.69	21.79	33	PASS
				RB12#6	21.87	21.97	33	PASS
				RB12#13	21.94	22.04	33	PASS
				RB25#0	21.94	22.04	33	PASS
			MCH	RB1#0	22.56	22.66	33	PASS
				RB1#13	22.63	22.73	33	PASS
				RB1#24	22.39	22.49	33	PASS
				RB12#0	22.01	22.11	33	PASS
				RB12#6	22.04	22.14	33	PASS
				RB12#13	22	22.1	33	PASS
				RB25#0	22.26	22.36	33	PASS
			HCH	RB1#0	23.16	23.26	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	23.21	23.31	33	PASS
				RB1#24	22.91	23.01	33	PASS
				RB12#0	21.96	22.06	33	PASS
				RB12#6	22.11	22.21	33	PASS
				RB12#13	22	22.1	33	PASS
				RB25#0	22.1	22.2	33	PASS
		10	LCH	RB1#0	22.77	22.87	33	PASS
				RB1#25	23.07	23.17	33	PASS
				RB1#49	22.89	22.99	33	PASS
				RB25#0	21.83	21.93	33	PASS
				RB25#13	21.9	22	33	PASS
				RB25#25	21.92	22.02	33	PASS
				RB50#0	21.7	21.8	33	PASS
			MCH	RB1#0	22.96	23.06	33	PASS
				RB1#25	23.39	23.49	33	PASS
				RB1#49	22.96	23.06	33	PASS
				RB25#0	22.24	22.34	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.16	22.26	33	PASS
				RB25#25	22.07	22.17	33	PASS
				RB50#0	22	22.1	33	PASS
			HCH	RB1#0	22.51	22.61	33	PASS
				RB1#25	23.13	23.23	33	PASS
				RB1#49	22.53	22.63	33	PASS
				RB25#0	21.88	21.98	33	PASS
				RB25#13	21.88	21.98	33	PASS
				RB25#25	22.22	22.32	33	PASS
				RB50#0	22.02	22.12	33	PASS
		15	LCH	RB1#0	22.92	23.02	33	PASS
				RB1#38	23.05	23.15	33	PASS
				RB1#74	23.06	23.16	33	PASS
				RB38#0	21.87	21.97	33	PASS
				RB38#19	21.93	22.03	33	PASS
				RB38#39	21.95	22.05	33	PASS
				RB75#0	21.86	21.96	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.65	22.75	33	PASS
				RB1#38	22.66	22.76	33	PASS
				RB1#74	22.74	22.84	33	PASS
				RB38#0	21.81	21.91	33	PASS
				RB38#19	21.98	22.08	33	PASS
				RB38#39	21.85	21.95	33	PASS
				RB75#0	21.91	22.01	33	PASS
			HCH	RB1#0	22.64	22.74	33	PASS
				RB1#38	22.78	22.88	33	PASS
				RB1#74	22.52	22.62	33	PASS
				RB38#0	21.95	22.05	33	PASS
				RB38#19	21.94	22.04	33	PASS
				RB38#39	21.95	22.05	33	PASS
				RB75#0	22.03	22.13	33	PASS
		20	LCH	RB1#0	22.73	22.83	33	PASS
				RB1#50	23.6	23.7	33	PASS
				RB1#99	22.89	22.99	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	22.01	22.11	33	PASS
				RB50#25	21.99	22.09	33	PASS
				RB50#50	22.03	22.13	33	PASS
				RB100#0	21.97	22.07	33	PASS
			MCH	RB1#0	22.68	22.78	33	PASS
				RB1#50	22.64	22.74	33	PASS
				RB1#99	22.71	22.81	33	PASS
				RB50#0	21.88	21.98	33	PASS
				RB50#25	21.8	21.9	33	PASS
				RB50#50	22	22.1	33	PASS
				RB100#0	22.04	22.14	33	PASS
			HCH	RB1#0	23	23.1	33	PASS
				RB1#50	23.54	23.64	33	PASS
				RB1#99	23.03	23.13	33	PASS
				RB50#0	22.02	22.12	33	PASS
				RB50#25	21.98	22.08	33	PASS
				RB50#50	21.97	22.07	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	22.05	22.15	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

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
BAND2	LTE/TM1	1.4	LCH	RB1#0	3.18	13	PASS
				RB1#3	3.05	13	PASS
				RB1#5	3.14	13	PASS
				RB3#0	3.63	13	PASS
				RB3#2	3.52	13	PASS
				RB3#3	3.64	13	PASS
				RB6#0	5.02	13	PASS
			MCH	RB1#0	3.07	13	PASS
				RB1#3	2.9	13	PASS
				RB1#5	2.99	13	PASS
				RB3#0	3.47	13	PASS
				RB3#2	3.3	13	PASS
				RB3#3	3.45	13	PASS
				RB6#0	4.68	13	PASS
			HCH	RB1#0	2.59	13	PASS
				RB1#3	2.32	13	PASS
				RB1#5	2.38	13	PASS
				RB3#0	2.85	13	PASS
				RB3#2	2.7	13	PASS
				RB3#3	2.85	13	PASS
				RB6#0	4.22	13	PASS
		3	LCH	RB1#0	3.21	13	PASS
				RB1#7	3.05	13	PASS
				RB1#14	3.22	13	PASS
				RB8#0	4.32	13	PASS
				RB8#4	4.26	13	PASS
				RB8#7	4.41	13	PASS
				RB15#0	4.75	13	PASS
			MCH	RB1#0	3.11	13	PASS
				RB1#7	2.87	13	PASS
				RB1#14	2.96	13	PASS
				RB8#0	4.18	13	PASS
				RB8#4	3.98	13	PASS
				RB8#7	4.06	13	PASS
				RB15#0	4.9	13	PASS
			HCH	RB1#0	2.7	13	PASS
				RB1#7	2.48	13	PASS
				RB1#14	2.49	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	3.76	13	PASS
				RB8#4	3.52	13	PASS
				RB8#7	3.68	13	PASS
				RB15#0	4.61	13	PASS
			LCH	RB1#0	3.23	13	PASS
				RB1#13	3.03	13	PASS
				RB1#24	3.16	13	PASS
				RB12#0	4.26	13	PASS
				RB12#6	4.19	13	PASS
				RB12#13	4.3	13	PASS
				RB25#0	4.77	13	PASS
			MCH	RB1#0	3.04	13	PASS
				RB1#13	2.8	13	PASS
				RB1#24	3.01	13	PASS
				RB12#0	4.05	13	PASS
				RB12#6	3.99	13	PASS
				RB12#13	4.06	13	PASS
				RB25#0	4.67	13	PASS
			HCH	RB1#0	3	13	PASS
				RB1#13	2.58	13	PASS
				RB1#24	2.48	13	PASS
				RB12#0	3.75	13	PASS
				RB12#6	3.52	13	PASS
				RB12#13	3.59	13	PASS
				RB25#0	4.5	13	PASS
		10	LCH	RB1#0	3.19	13	PASS
				RB1#25	3.02	13	PASS
				RB1#49	3.13	13	PASS
				RB25#0	4.26	13	PASS
				RB25#13	4.17	13	PASS
				RB25#25	4.26	13	PASS
				RB50#0	5.33	13	PASS
			MCH	RB1#0	3.02	13	PASS
				RB1#25	3	13	PASS
				RB1#49	3.07	13	PASS
				RB25#0	4.09	13	PASS
				RB25#13	3.97	13	PASS
				RB25#25	4.1	13	PASS
				RB50#0	5.13	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	2.95	13	PASS
				RB1#25	2.63	13	PASS
				RB1#49	2.6	13	PASS
				RB25#0	3.99	13	PASS
				RB25#13	3.71	13	PASS
				RB25#25	3.71	13	PASS
				RB50#0	4.31	13	PASS
		15	LCH	RB1#0	3.28	13	PASS
				RB1#38	3.06	13	PASS
				RB1#74	3.19	13	PASS
				RB38#0	4.29	13	PASS
				RB38#19	4.26	13	PASS
				RB38#39	4.33	13	PASS
				RB75#0	5.07	13	PASS
			MCH	RB1#0	3.06	13	PASS
				RB1#38	2.94	13	PASS
				RB1#74	2.97	13	PASS
				RB38#0	4.13	13	PASS
				RB38#19	3.98	13	PASS
				RB38#39	4.09	13	PASS
				RB75#0	4.88	13	PASS
			HCH	RB1#0	3.09	13	PASS
				RB1#38	2.84	13	PASS
				RB1#74	2.74	13	PASS
				RB38#0	4.1	13	PASS
				RB38#19	3.89	13	PASS
				RB38#39	3.88	13	PASS
				RB75#0	4.76	13	PASS
		20	LCH	RB1#0	3.44	13	PASS
				RB1#50	3.2	13	PASS
				RB1#99	3.23	13	PASS
				RB50#0	4.36	13	PASS
				RB50#25	4.3	13	PASS
				RB50#50	4.27	13	PASS
				RB100#0	4.86	13	PASS
			MCH	RB1#0	3.2	13	PASS
				RB1#50	2.83	13	PASS
				RB1#99	3.12	13	PASS
				RB50#0	4.18	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	4.03	13	PASS
				RB50#50	4.13	13	PASS
				RB100#0	5.1	13	PASS
			HCH	RB1#0	3	13	PASS
				RB1#50	2.81	13	PASS
				RB1#99	2.75	13	PASS
				RB50#0	4.17	13	PASS
				RB50#25	4.02	13	PASS
				RB50#50	3.94	13	PASS
				RB100#0	4.65	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.1	13	PASS
				RB1#3	4.04	13	PASS
				RB1#5	4.1	13	PASS
				RB3#0	4.37	13	PASS
				RB3#2	4.26	13	PASS
				RB3#3	4.38	13	PASS
				RB6#0	5.23	13	PASS
			MCH	RB1#0	4.01	13	PASS
				RB1#3	3.91	13	PASS
				RB1#5	3.92	13	PASS
				RB3#0	4.07	13	PASS
				RB3#2	3.94	13	PASS
				RB3#3	4.08	13	PASS
				RB6#0	5.18	13	PASS
			HCH	RB1#0	3.43	13	PASS
				RB1#3	3.32	13	PASS
				RB1#5	3.56	13	PASS
				RB3#0	3.77	13	PASS
				RB3#2	3.52	13	PASS
				RB3#3	3.78	13	PASS
				RB6#0	5.09	13	PASS
		3	LCH	RB1#0	3.95	13	PASS
				RB1#7	3.82	13	PASS
				RB1#14	4.07	13	PASS
				RB8#0	5.2	13	PASS
				RB8#4	5.13	13	PASS
				RB8#7	5.19	13	PASS
				RB15#0	5.81	13	PASS
			MCH	RB1#0	3.87	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	3.75	13	PASS
				RB1#14	3.83	13	PASS
				RB8#0	5.02	13	PASS
				RB8#4	4.9	13	PASS
				RB8#7	4.95	13	PASS
				RB15#0	5.42	13	PASS
			HCH	RB1#0	3.91	13	PASS
				RB1#7	3.67	13	PASS
				RB1#14	3.7	13	PASS
				RB8#0	4.72	13	PASS
				RB8#4	4.48	13	PASS
				RB8#7	4.58	13	PASS
				RB15#0	5.19	13	PASS
		5	LCH	RB1#0	4.33	13	PASS
				RB1#13	4.18	13	PASS
				RB1#24	4.32	13	PASS
				RB12#0	5.14	13	PASS
				RB12#6	5.08	13	PASS
				RB12#13	5.25	13	PASS
			MCH	RB25#0	5.6	13	PASS
				RB1#0	4.08	13	PASS
				RB1#13	3.95	13	PASS
				RB1#24	4.23	13	PASS
				RB12#0	4.97	13	PASS
				RB12#6	4.82	13	PASS
				RB12#13	4.95	13	PASS
				RB25#0	5.69	13	PASS
		10	HCH	RB1#0	3.53	13	PASS
				RB1#13	3.37	13	PASS
				RB1#24	3.42	13	PASS
				RB12#0	4.68	13	PASS
				RB12#6	4.35	13	PASS
				RB12#13	4.51	13	PASS
			LCH	RB25#0	5.26	13	PASS
				RB1#0	4.45	13	PASS
				RB1#25	4.04	13	PASS
				RB1#49	4.41	13	PASS
				RB25#0	5.24	13	PASS
				RB25#13	5.18	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	5.34	13	PASS
				RB50#0	5.93	13	PASS
			MCH	RB1#0	4.11	13	PASS
				RB1#25	4.02	13	PASS
				RB1#49	4.08	13	PASS
				RB25#0	4.97	13	PASS
				RB25#13	4.77	13	PASS
				RB25#25	4.99	13	PASS
				RB50#0	5.55	13	PASS
			HCH	RB1#0	3.8	13	PASS
				RB1#25	3.61	13	PASS
				RB1#49	3.66	13	PASS
				RB25#0	4.97	13	PASS
				RB25#13	4.73	13	PASS
				RB25#25	4.8	13	PASS
				RB50#0	5.58	13	PASS
		15	LCH	RB1#0	4.36	13	PASS
				RB1#38	4.08	13	PASS
				RB1#74	4.24	13	PASS
				RB38#0	5.32	13	PASS
				RB38#19	5.23	13	PASS
				RB38#39	5.31	13	PASS
				RB75#0	5.95	13	PASS
			MCH	RB1#0	3.69	13	PASS
				RB1#38	3.64	13	PASS
				RB1#74	3.58	13	PASS
				RB38#0	5.17	13	PASS
				RB38#19	5.01	13	PASS
				RB38#39	5.09	13	PASS
				RB75#0	5.7	13	PASS
			HCH	RB1#0	3.88	13	PASS
				RB1#38	3.71	13	PASS
				RB1#74	3.59	13	PASS
				RB38#0	4.99	13	PASS
				RB38#19	4.88	13	PASS
				RB38#39	4.86	13	PASS
				RB75#0	5.63	13	PASS
		20	LCH	RB1#0	3.95	13	PASS
				RB1#50	3.79	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	3.81	13	PASS
				RB50#0	5.32	13	PASS
				RB50#25	5.14	13	PASS
				RB50#50	5.18	13	PASS
				RB100#0	5.65	13	PASS
			MCH	RB1#0	3.97	13	PASS
				RB1#50	3.76	13	PASS
				RB1#99	3.94	13	PASS
				RB50#0	5.15	13	PASS
				RB50#25	4.97	13	PASS
				RB50#50	5.13	13	PASS
				RB100#0	5.84	13	PASS
			HCH	RB1#0	3.97	13	PASS
				RB1#50	3.72	13	PASS
				RB1#99	3.47	13	PASS
				RB50#0	5.17	13	PASS
				RB50#25	4.87	13	PASS
				RB50#50	4.91	13	PASS
				RB100#0	5.78	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

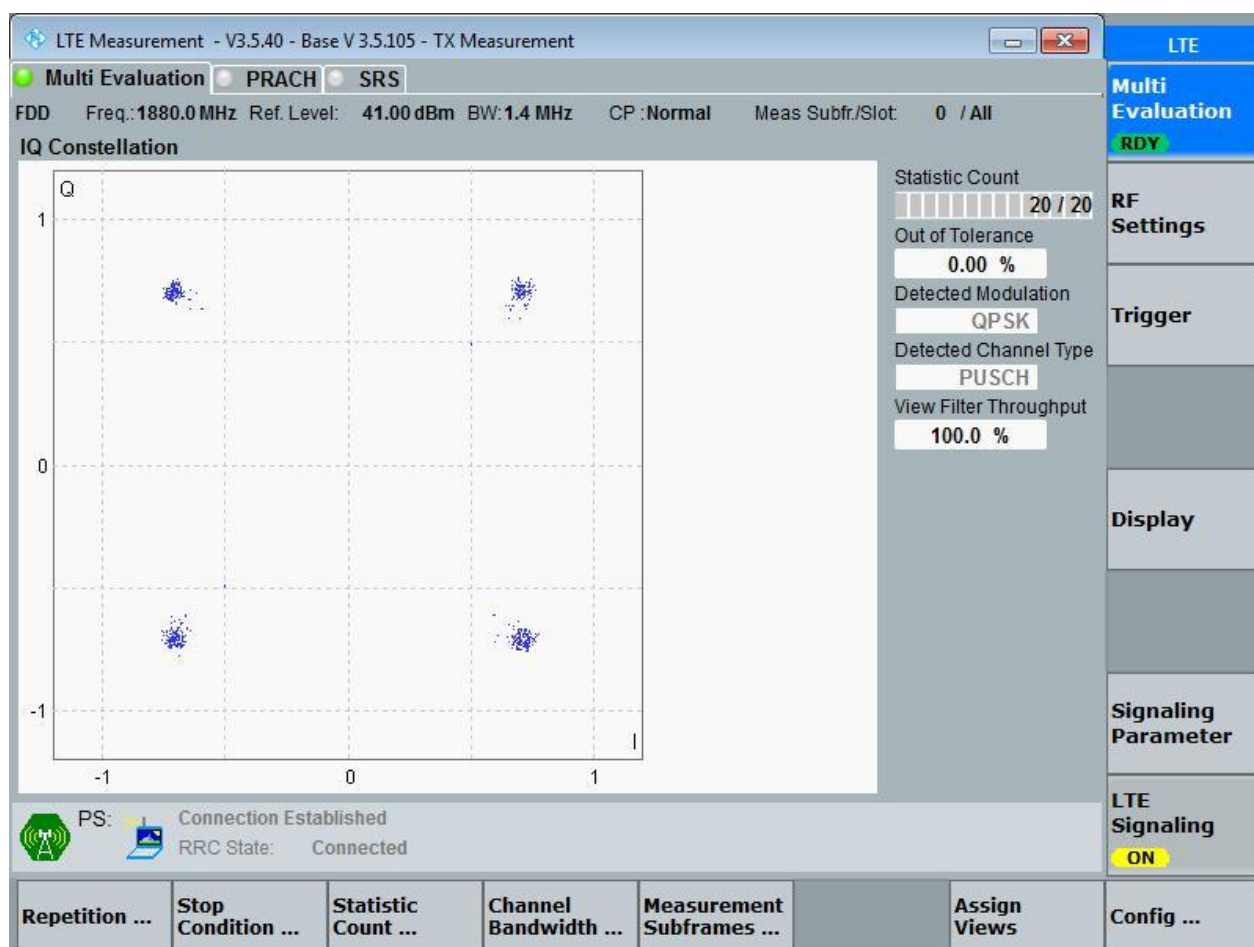
3.1.1 Test Band = BAND2

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

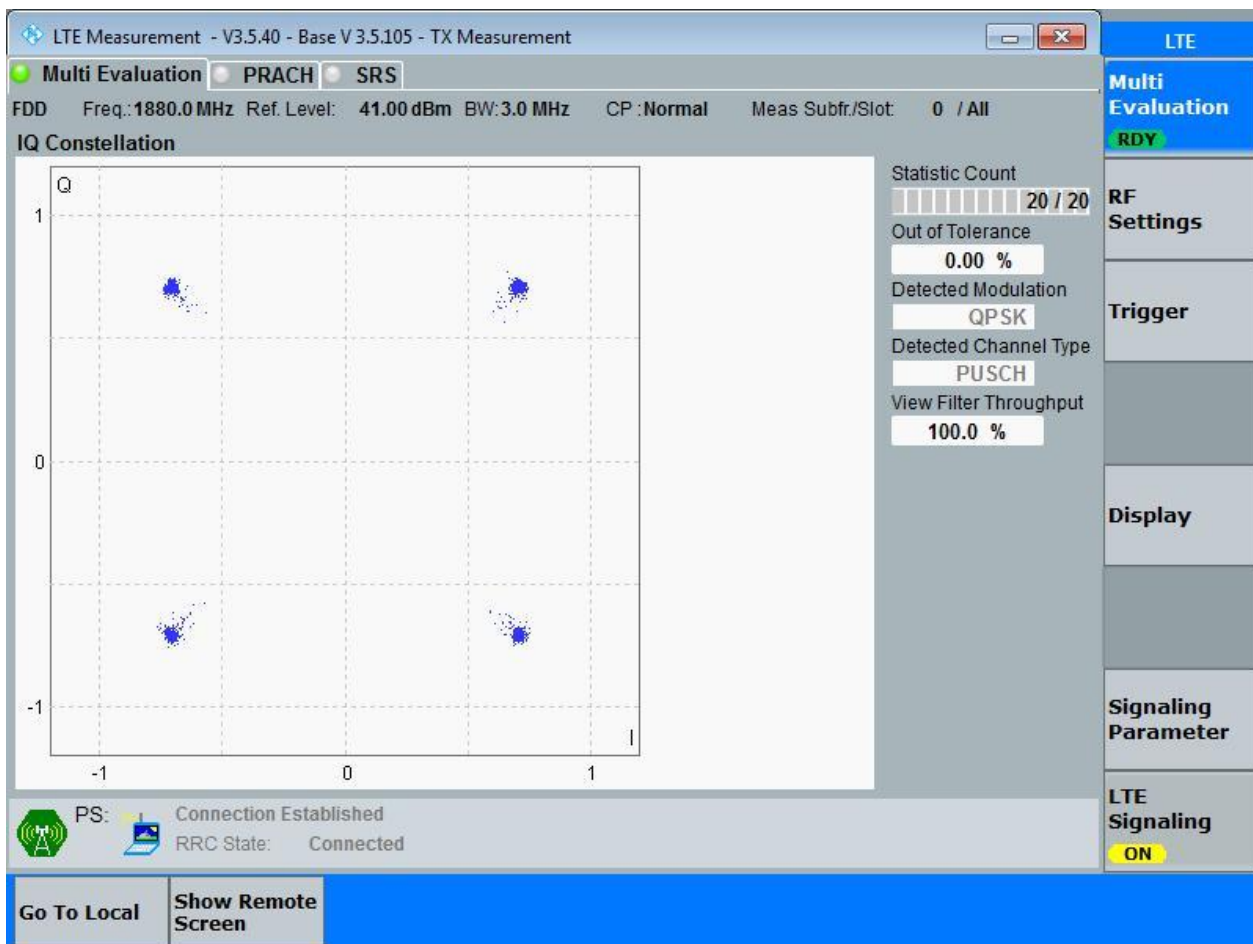
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

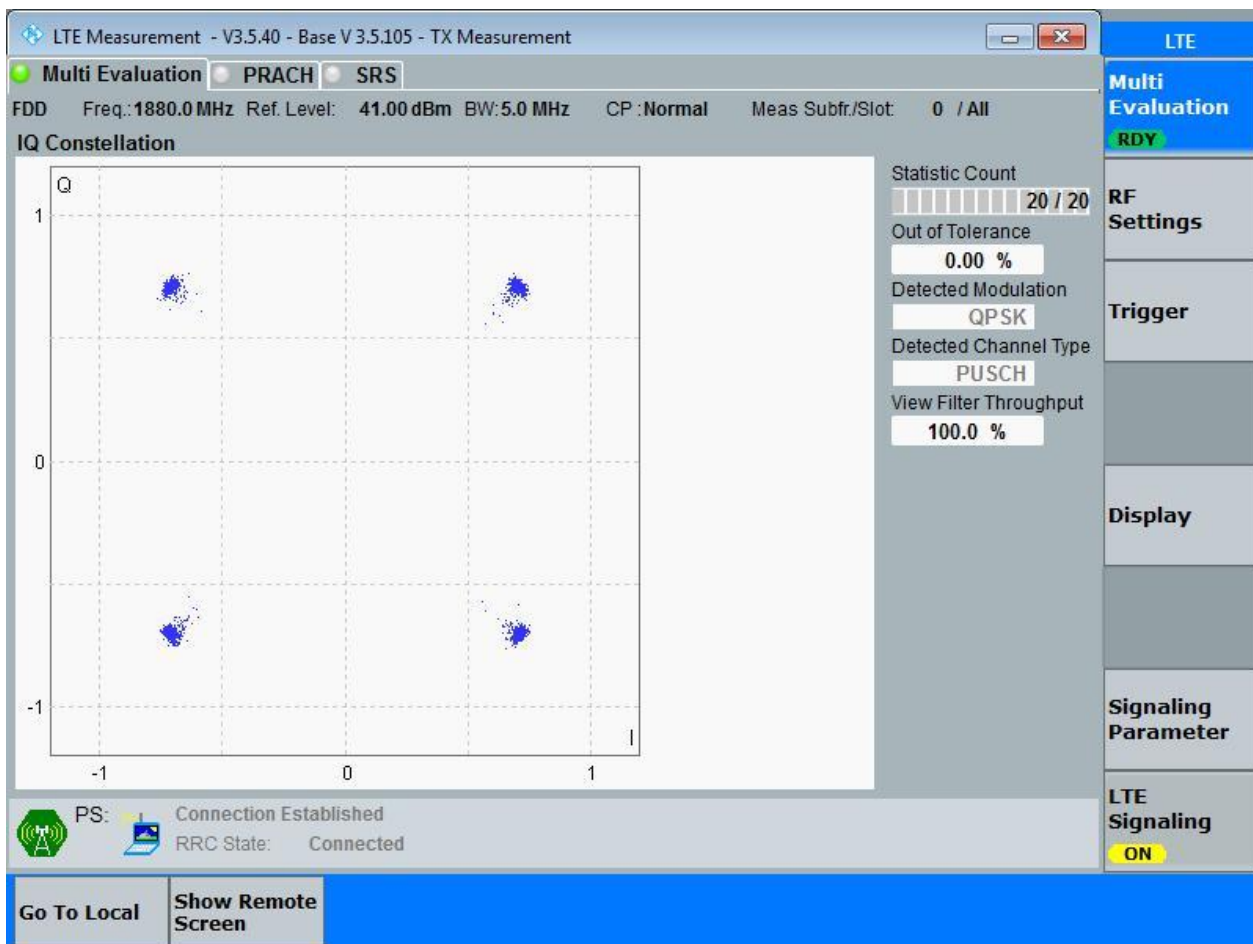
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

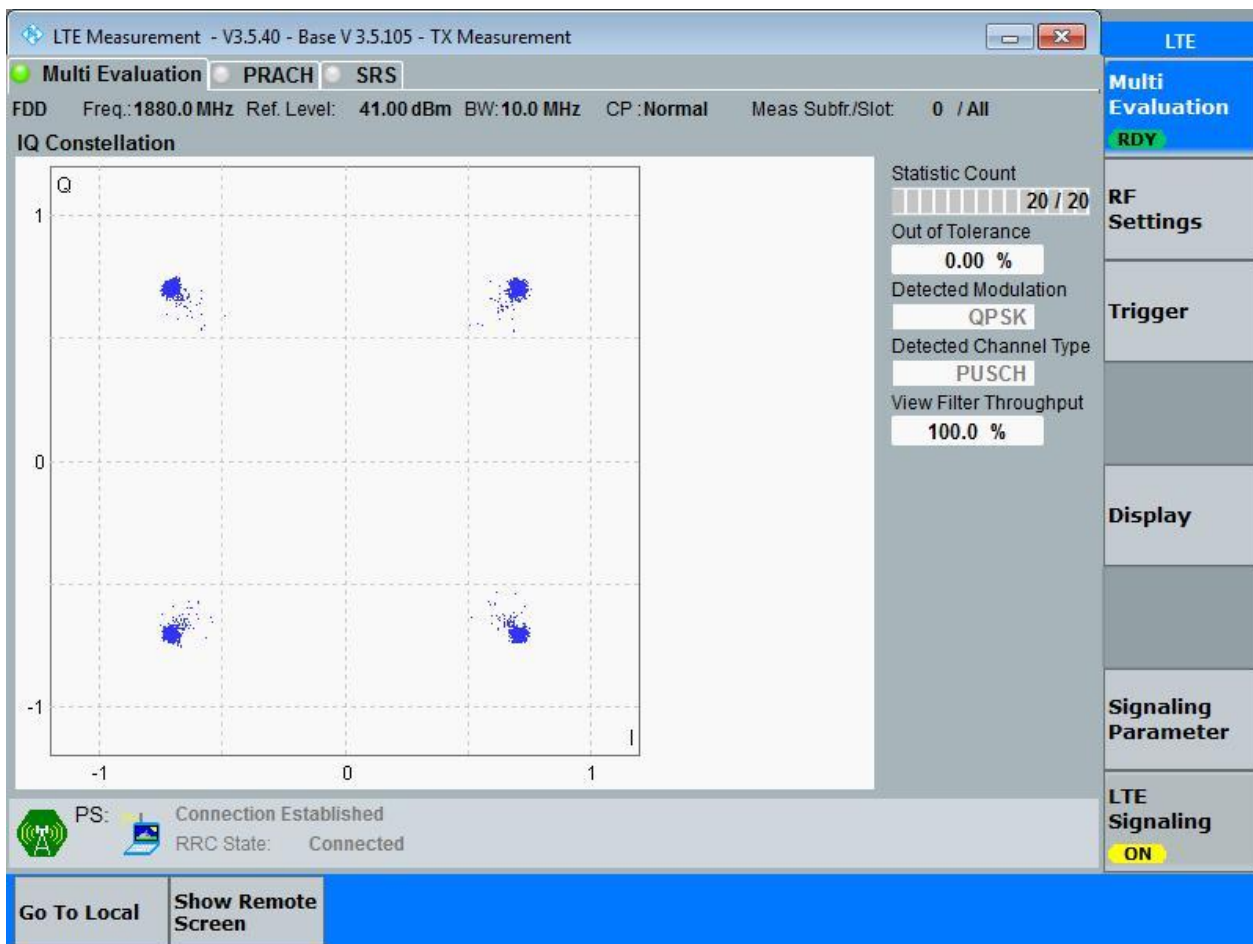
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

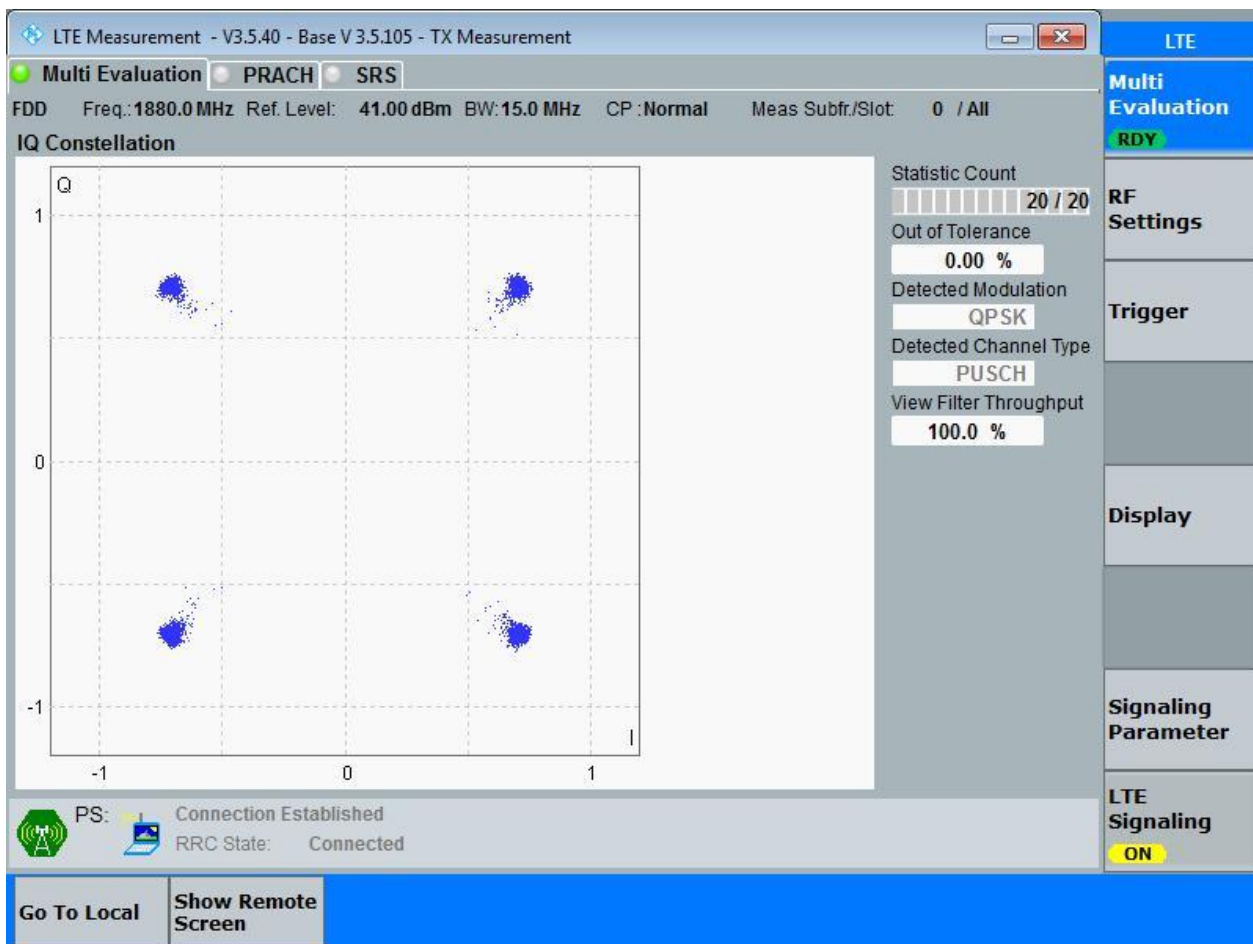
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

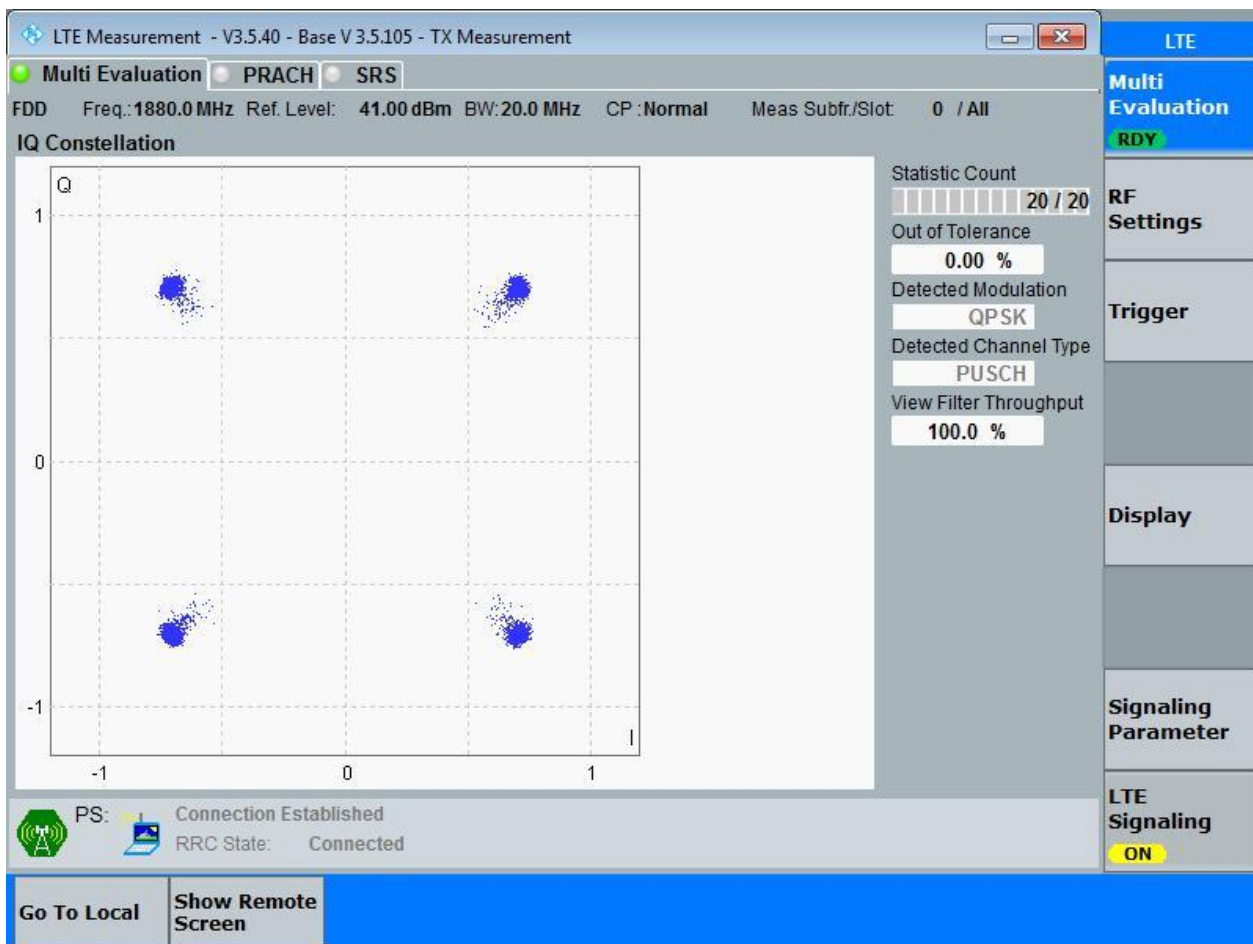
3.1.1.1.5.1.1 Test RB = RB75#0



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

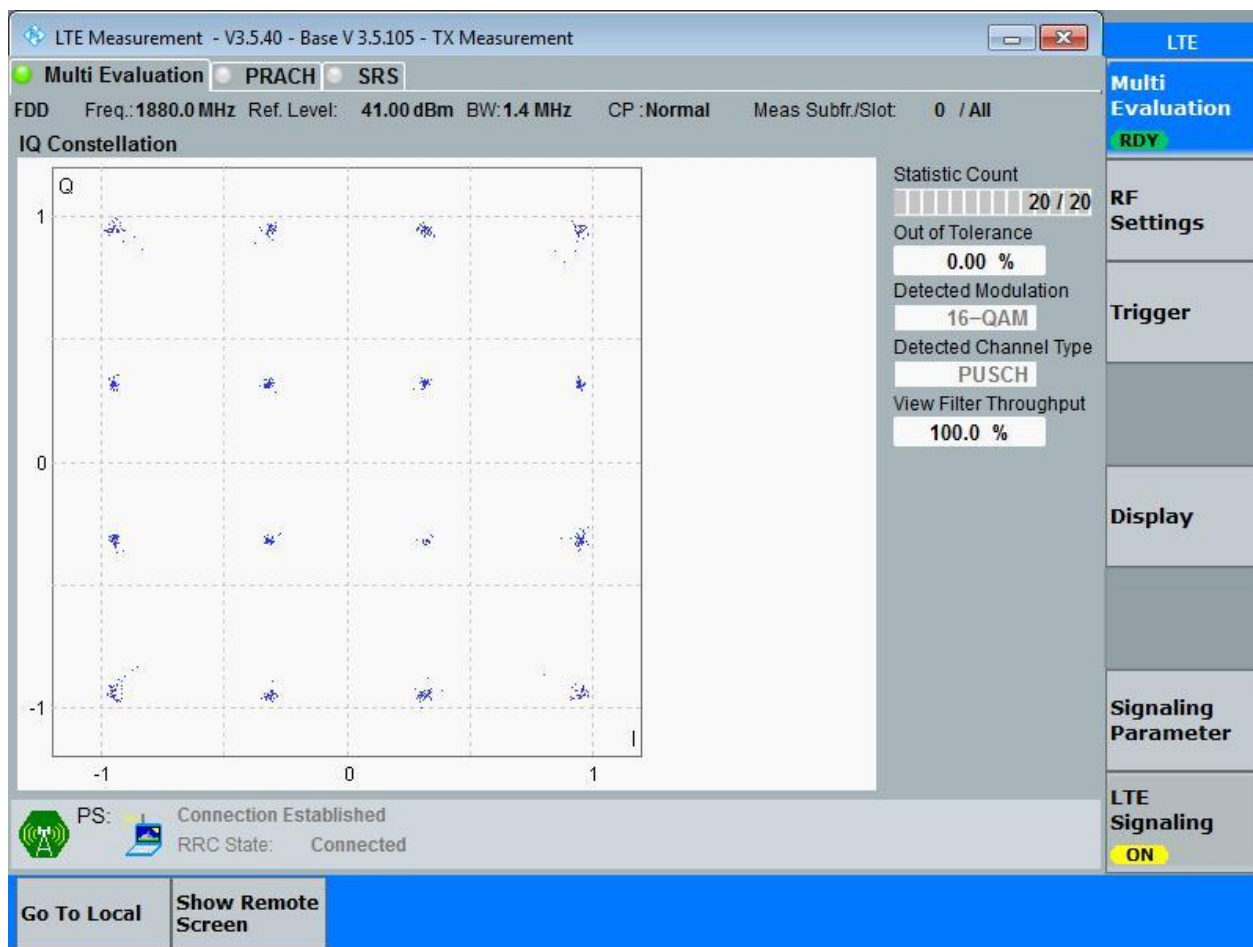


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

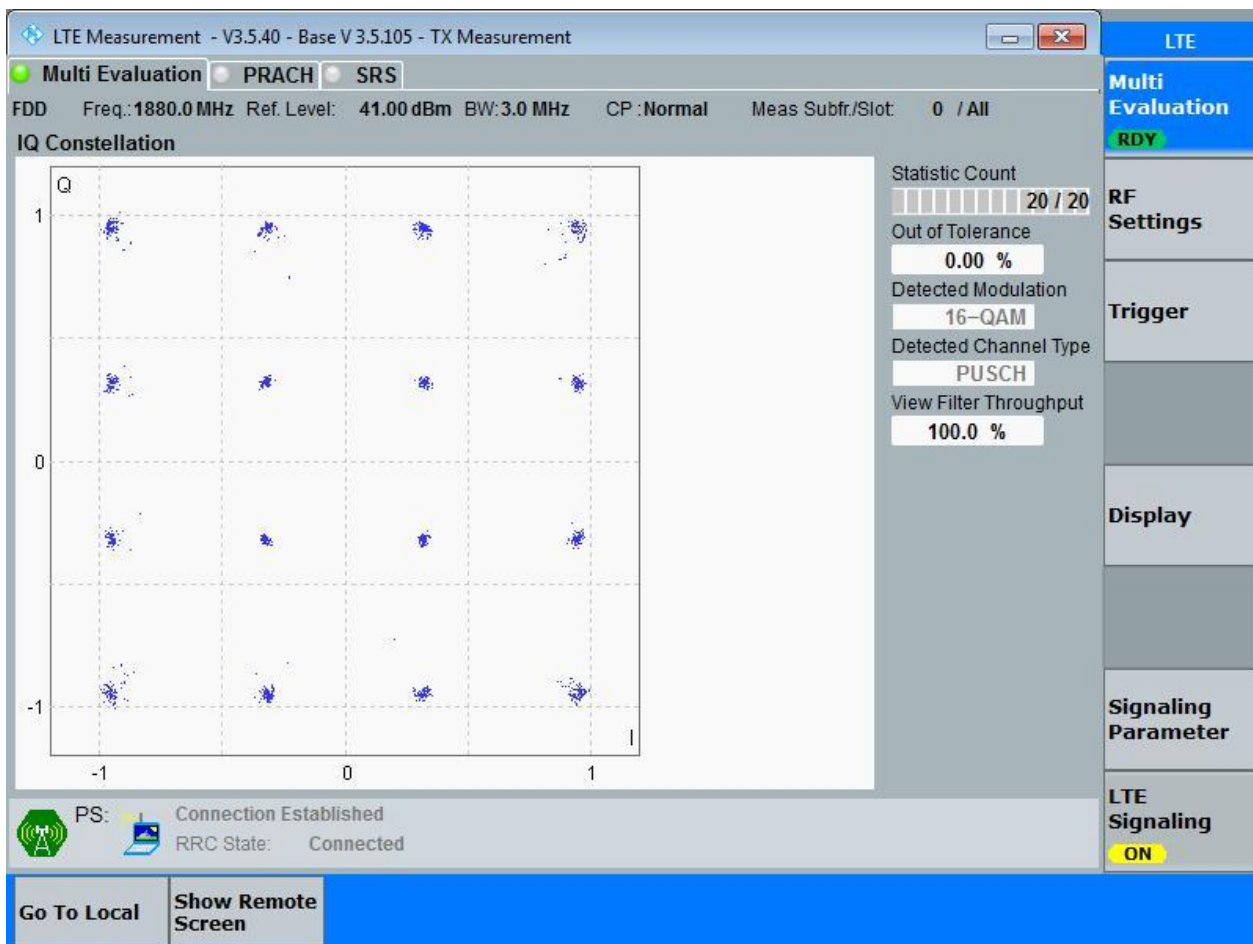
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

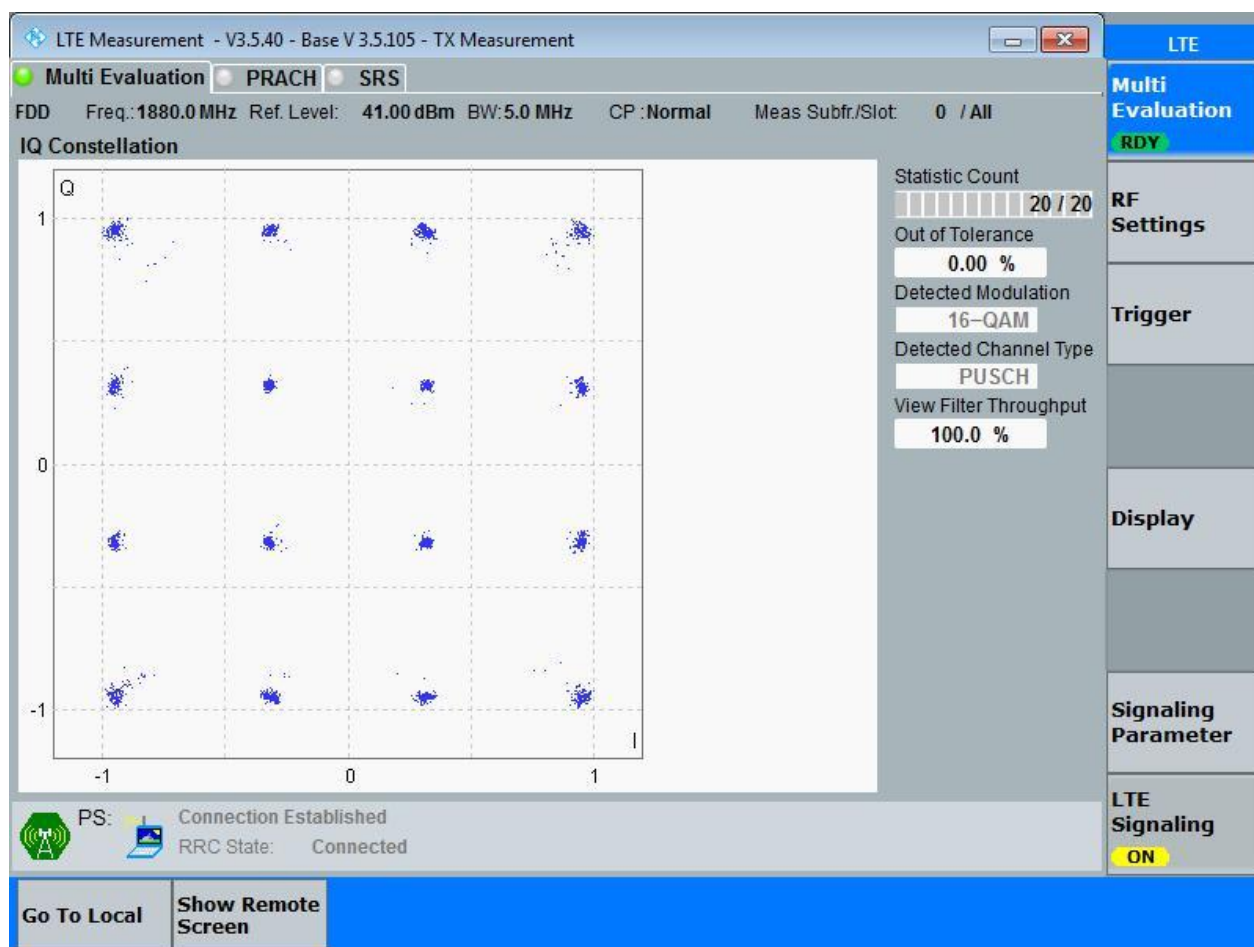
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

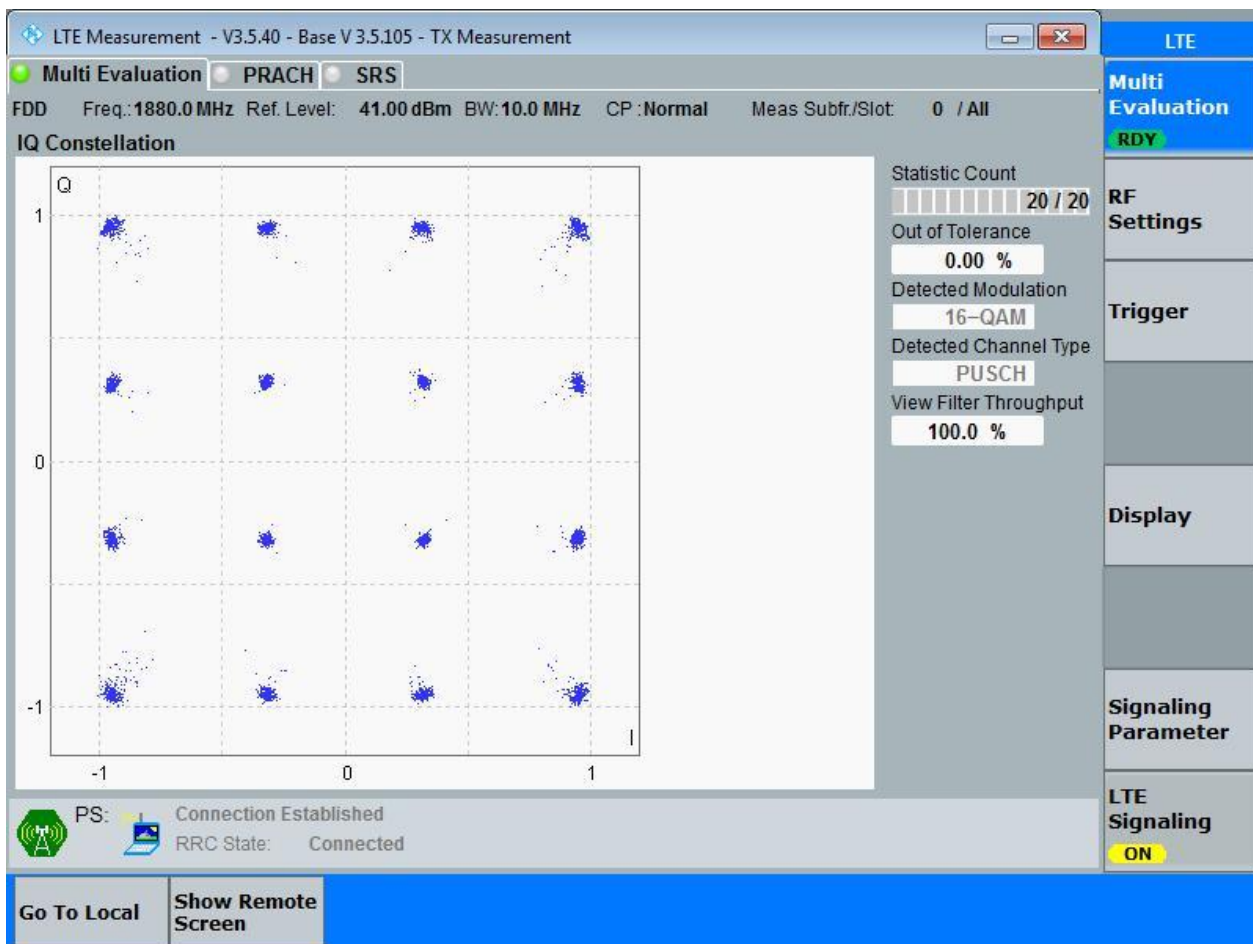
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

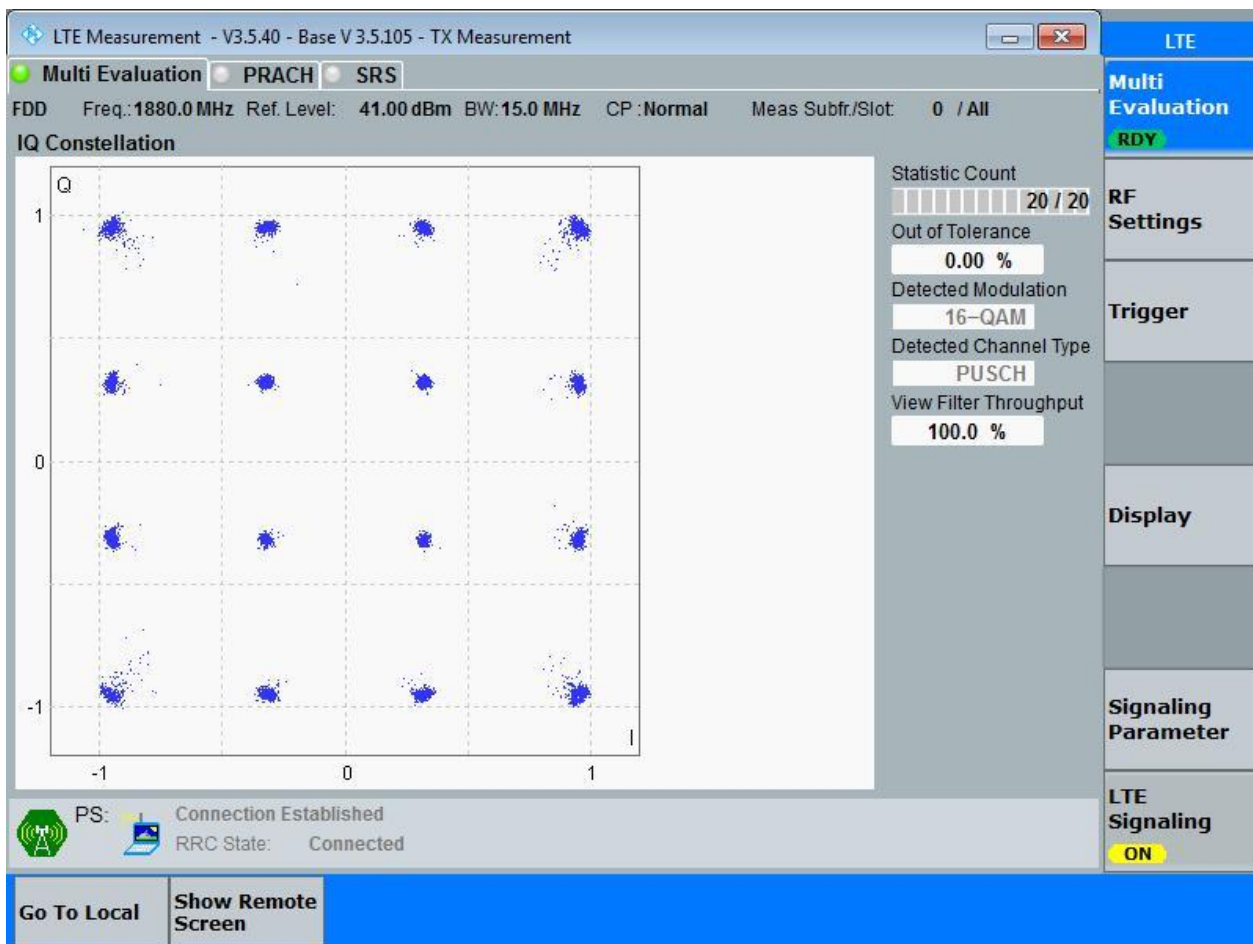
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

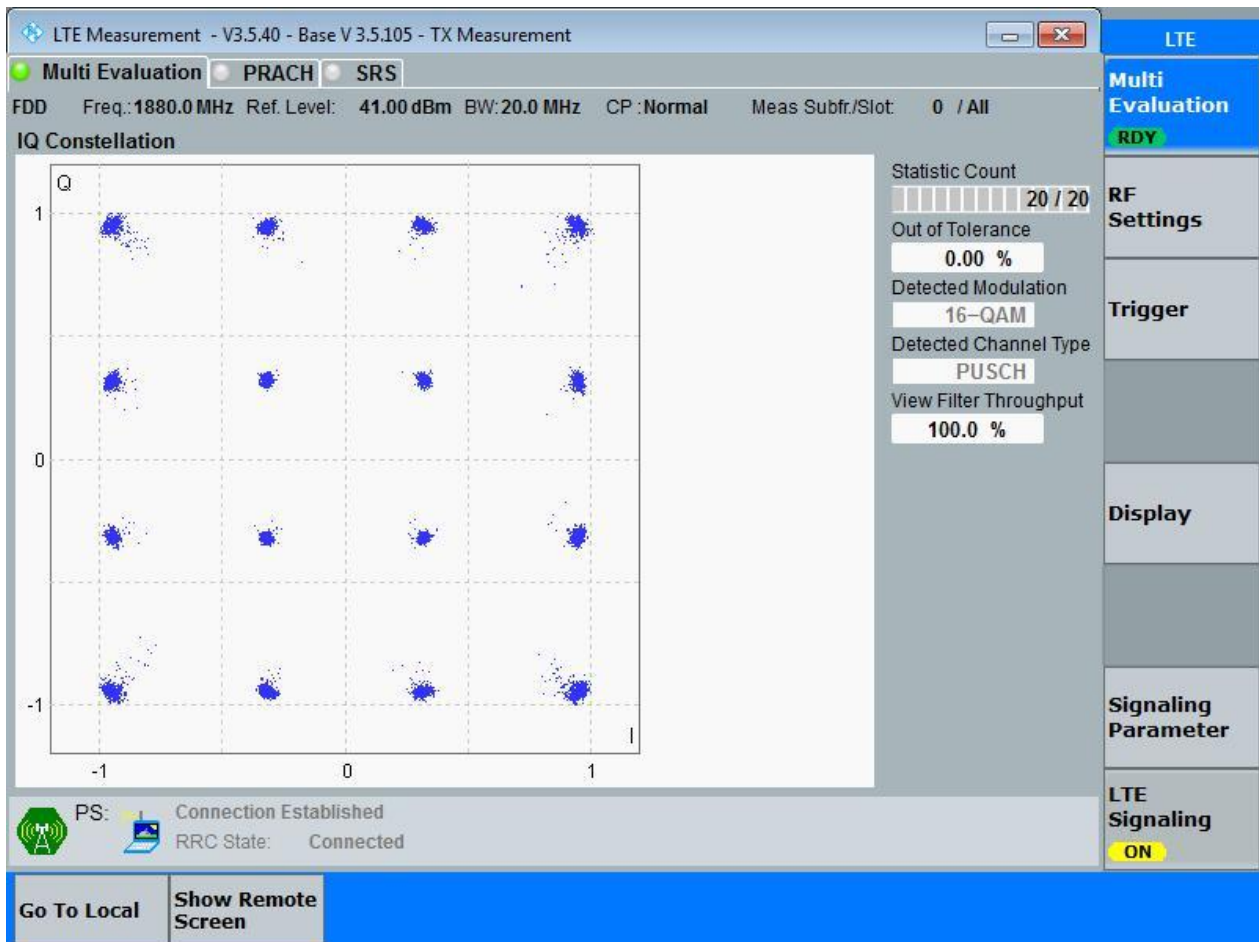
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.30	Pass
			MCH	RB6#0	1.09	1.29	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.70	3.00	Pass
			MCH	RB15#0	2.70	2.99	Pass
			HCH	RB15#0	2.71	3.01	Pass
		5	LCH	RB25#0	4.50	4.98	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.50	4.99	Pass
		10	LCH	RB50#0	8.98	9.87	Pass
			MCH	RB50#0	8.98	9.92	Pass
			HCH	RB50#0	8.96	9.92	Pass
		15	LCH	RB75#0	13.43	14.85	Pass
			MCH	RB75#0	13.45	14.84	Pass
			HCH	RB75#0	13.42	14.67	Pass
		20	LCH	RB100#0	17.90	19.40	Pass
			MCH	RB100#0	17.91	19.38	Pass
			HCH	RB100#0	17.91	19.46	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.33	Pass
			MCH	RB6#0	1.10	1.32	Pass
			HCH	RB6#0	1.09	1.32	Pass
		3	LCH	RB15#0	2.71	3.02	Pass
			MCH	RB15#0	2.70	3.01	Pass
			HCH	RB15#0	2.70	3.00	Pass
		5	LCH	RB25#0	4.51	5.02	Pass
			MCH	RB25#0	4.51	5.01	Pass
			HCH	RB25#0	4.52	5.04	Pass
		10	LCH	RB50#0	8.97	9.92	Pass
			MCH	RB50#0	8.98	9.98	Pass
			HCH	RB50#0	9.00	9.90	Pass
		15	LCH	RB75#0	13.42	14.71	Pass
			MCH	RB75#0	13.43	14.74	Pass
			HCH	RB75#0	13.40	14.74	Pass
		20	LCH	RB100#0	17.89	19.48	Pass
			MCH	RB100#0	17.89	19.50	Pass
			HCH	RB100#0	17.88	19.57	Pass



Part II - Test Plots

4.1 For LTE

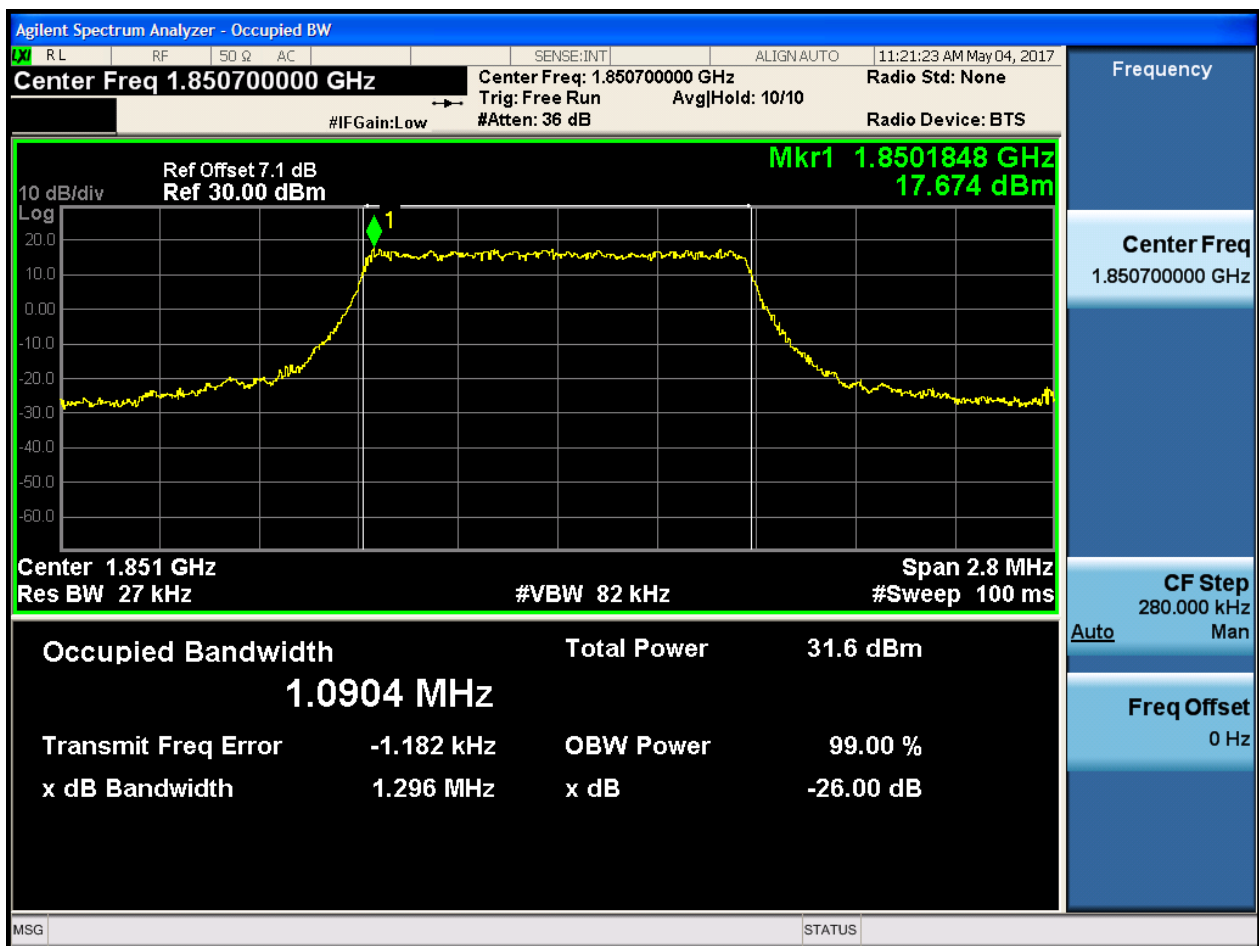
4.1.1 Test Band = BAND2

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

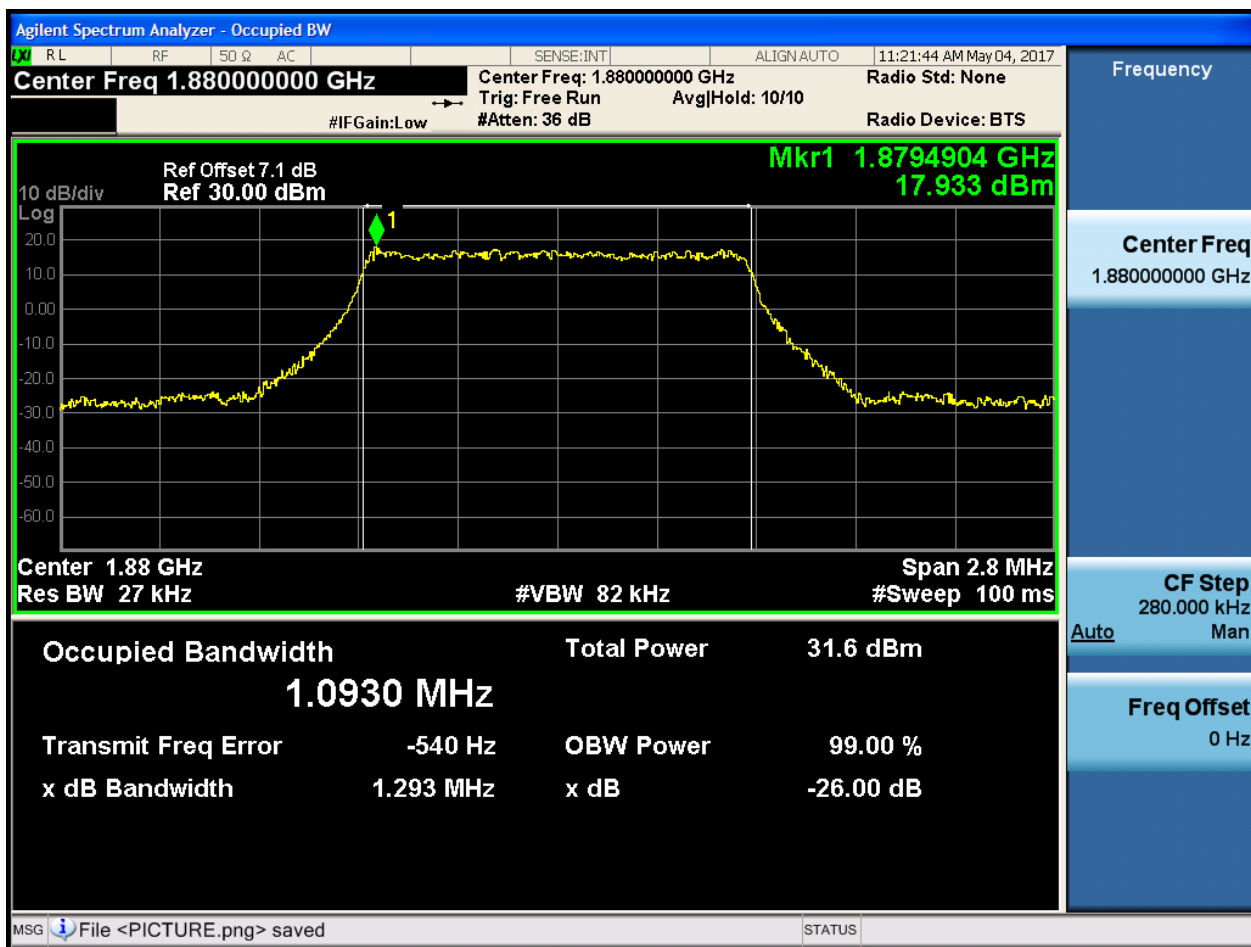
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

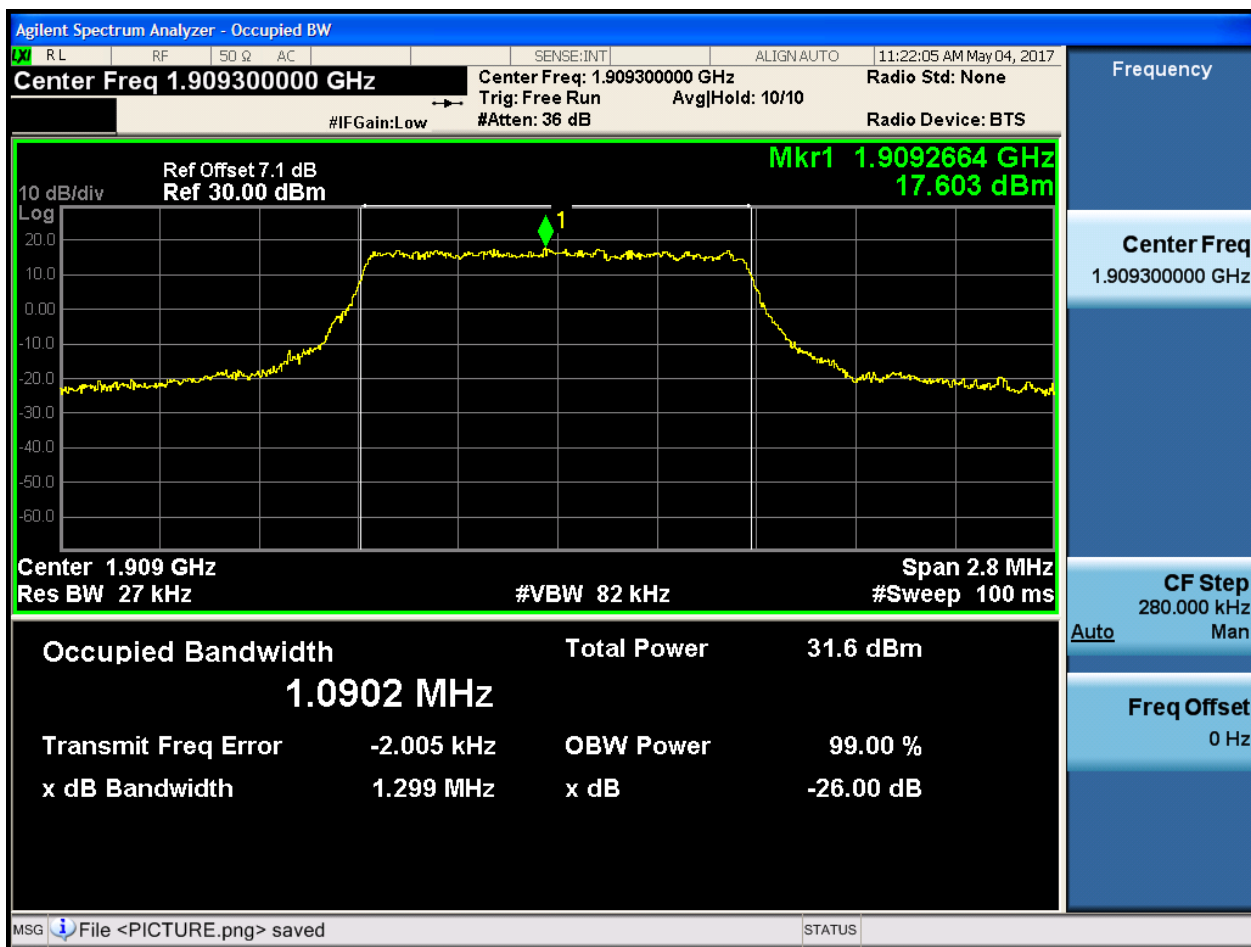
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

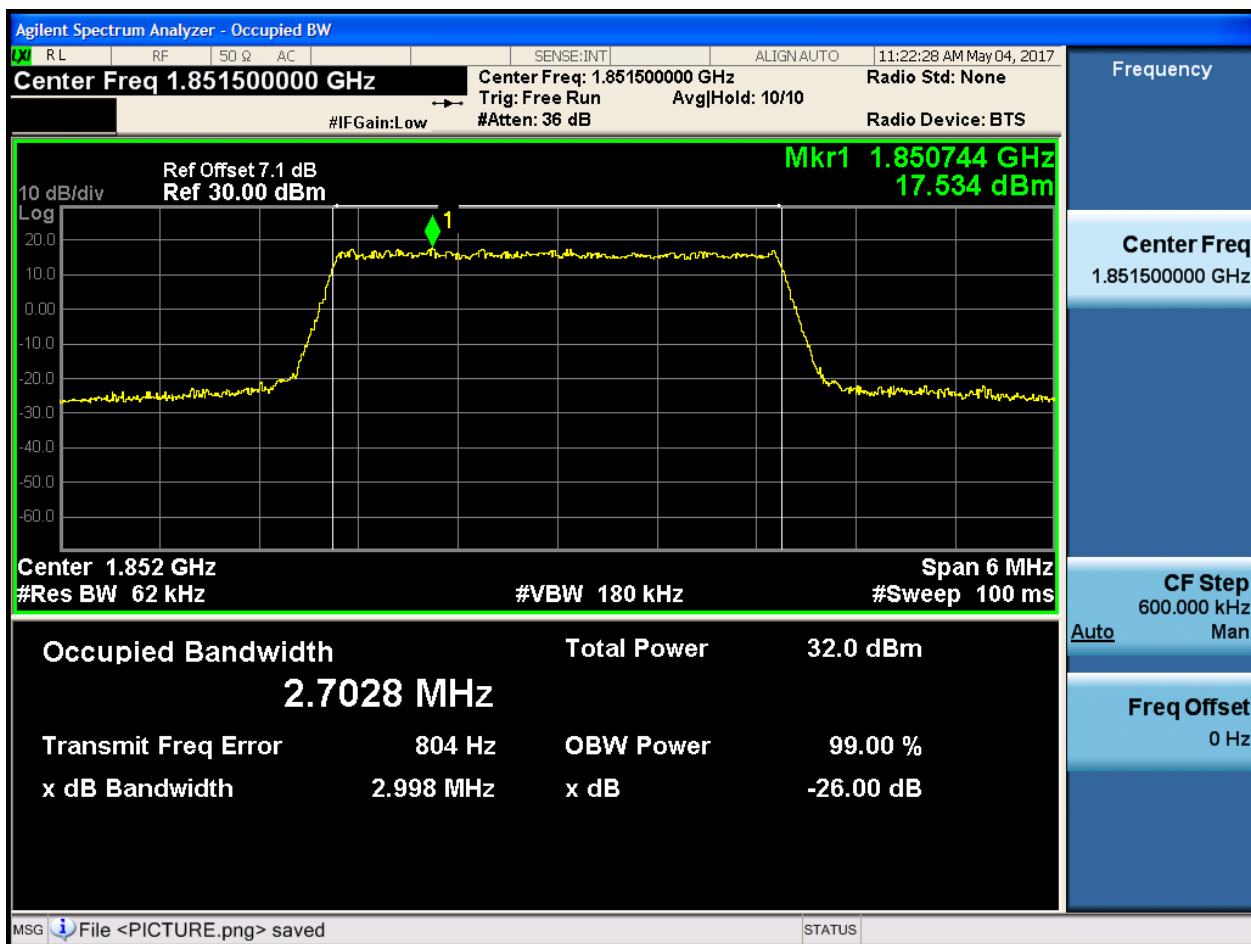




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

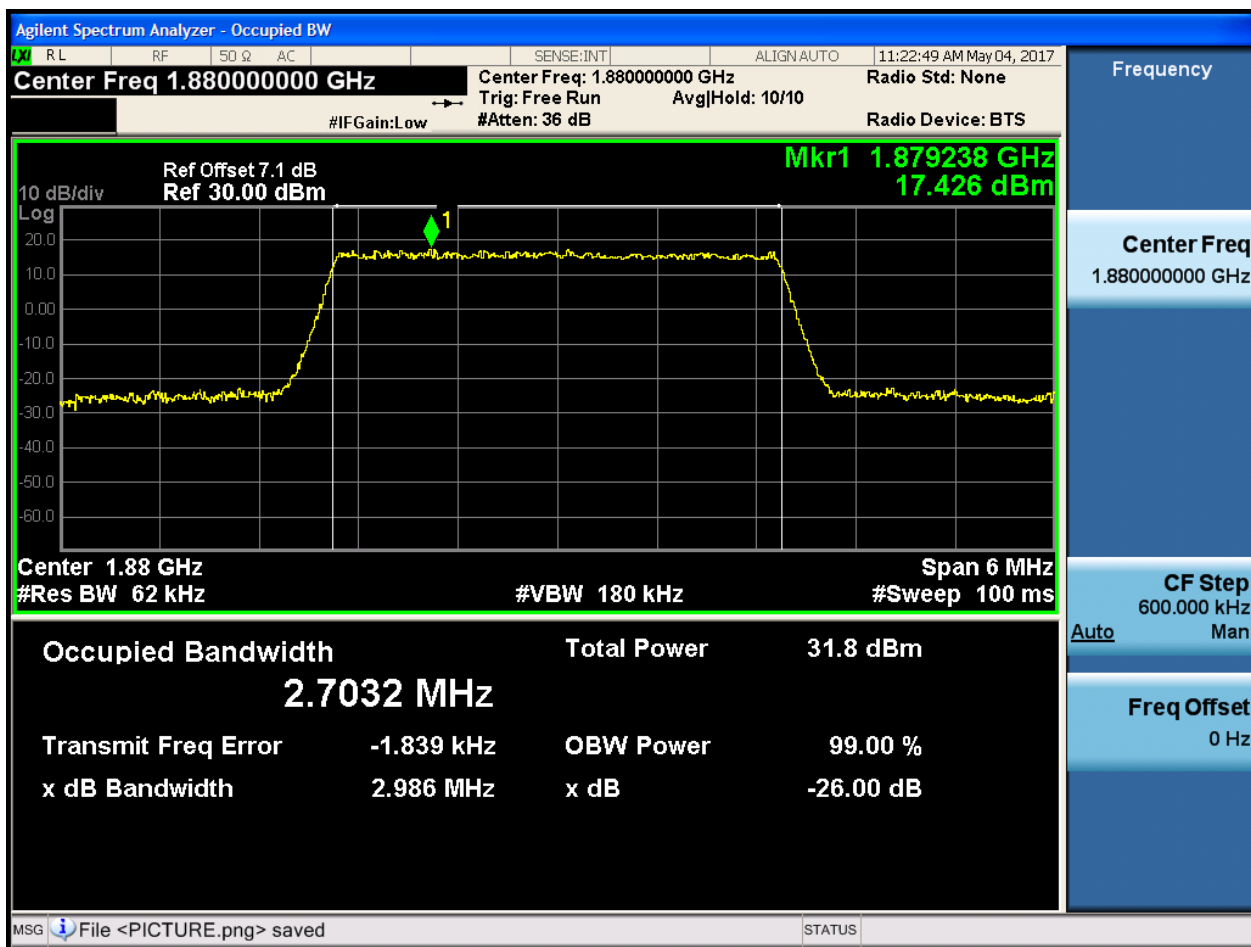
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

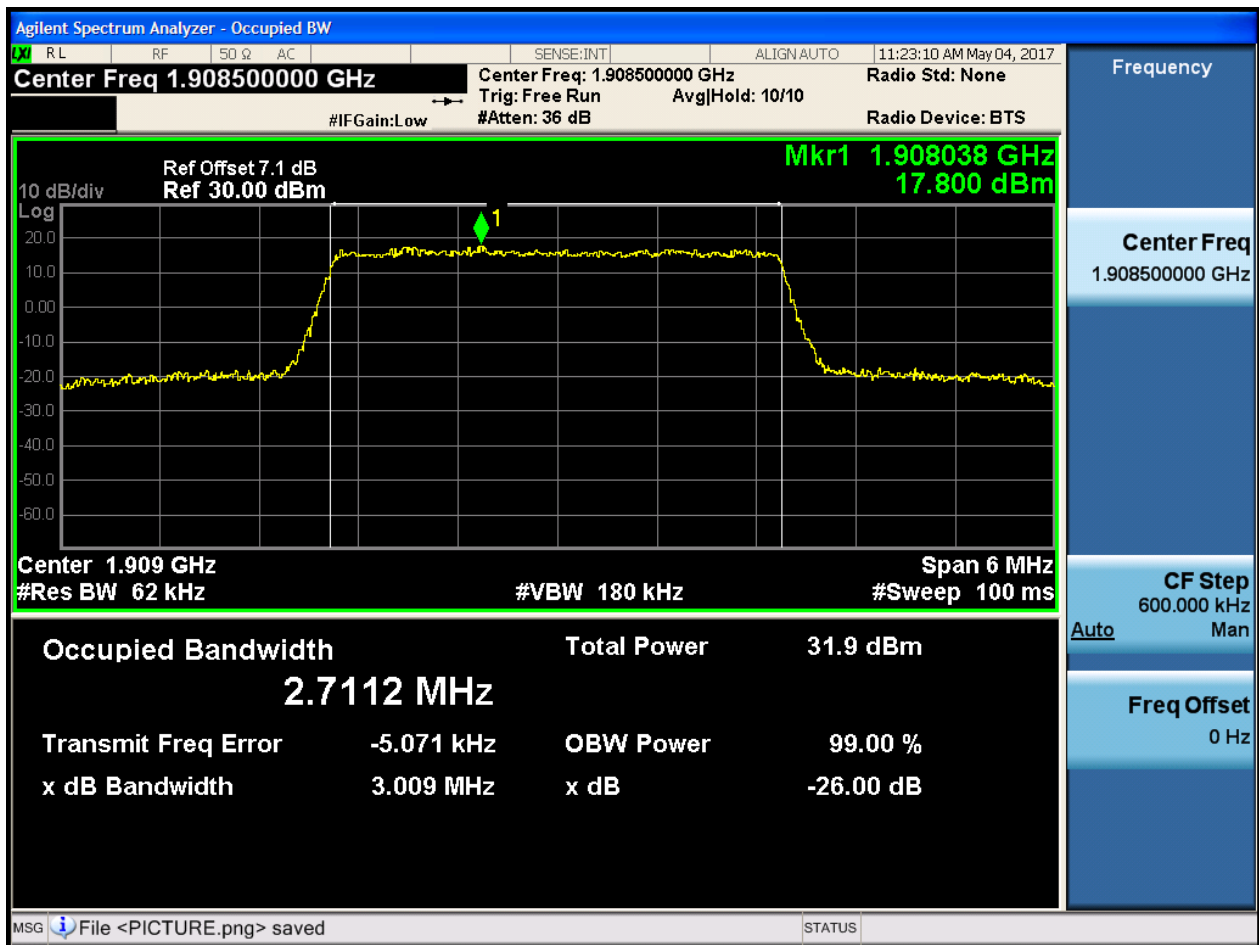
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

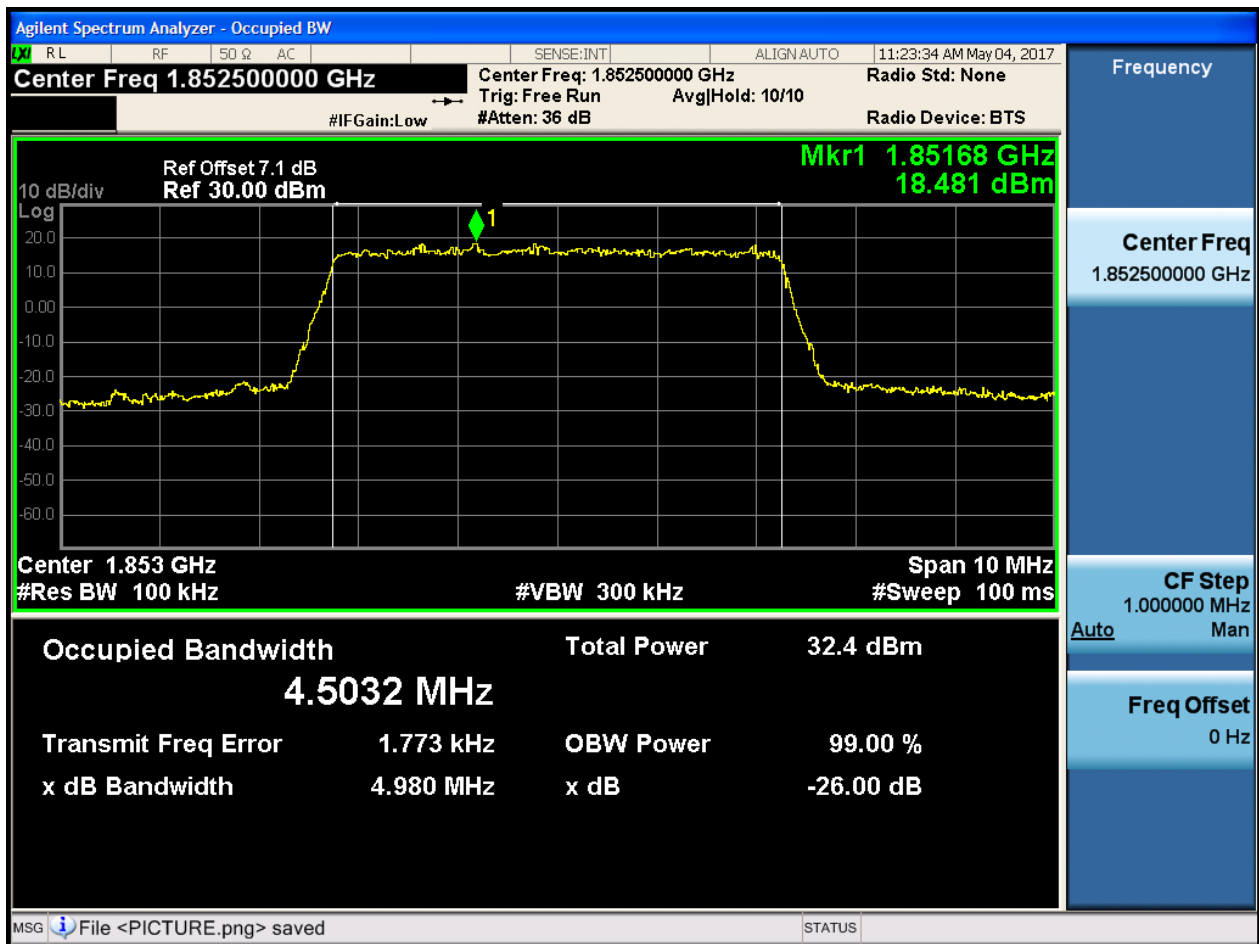




4.1.1.1.3 Test Bandwidth = 5

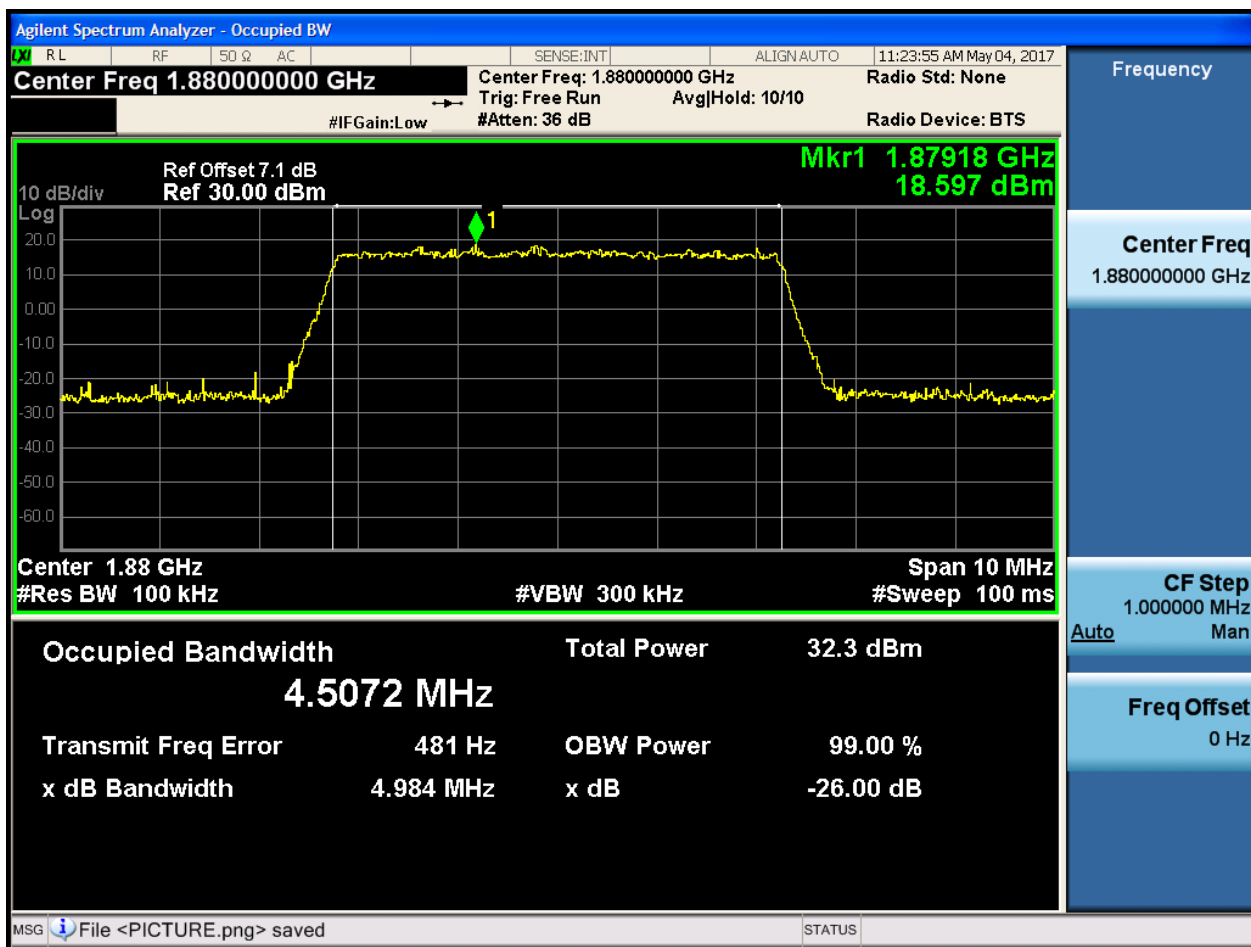
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



4.1.1.1.3.2 Test Channel = MCH

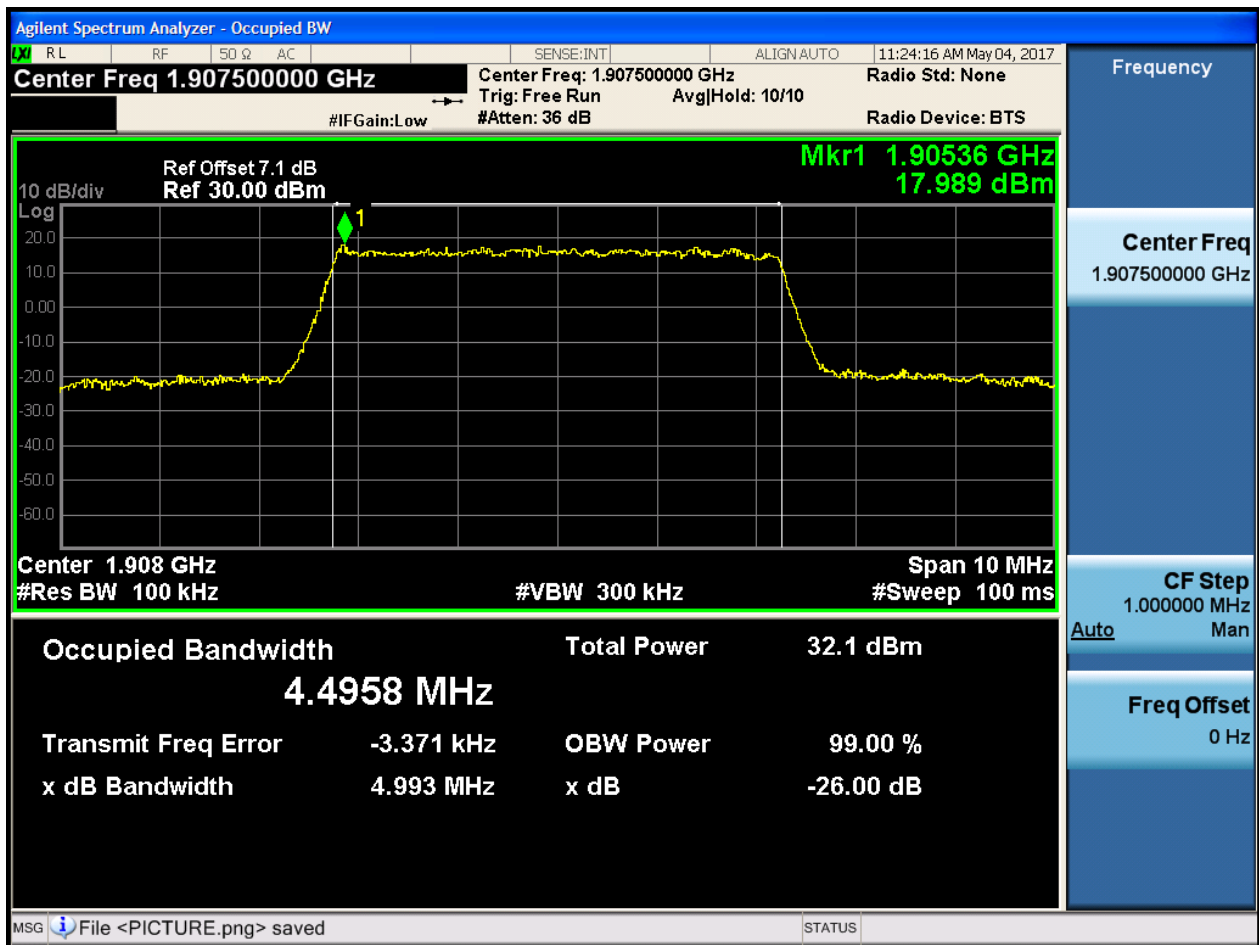
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

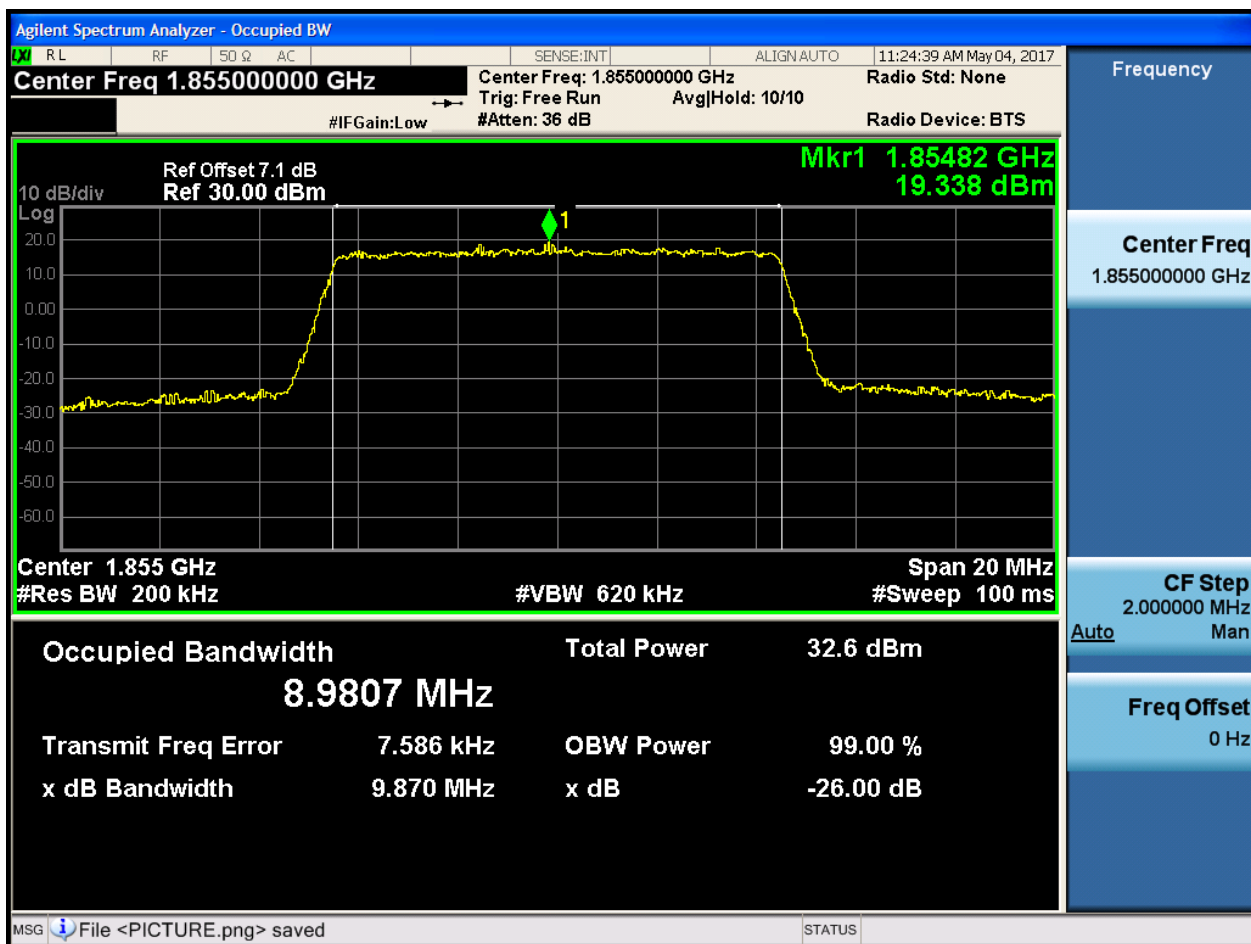




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

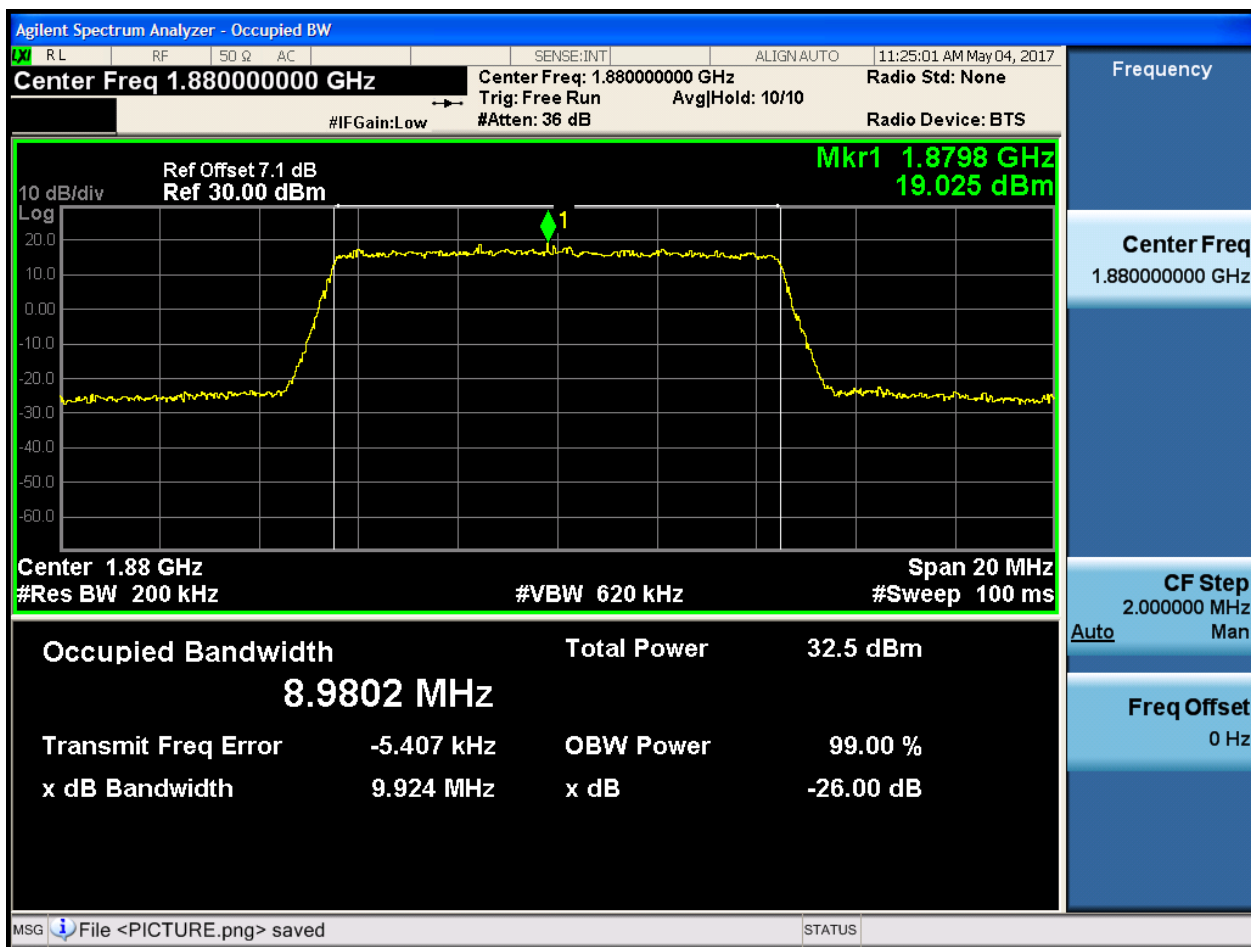
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

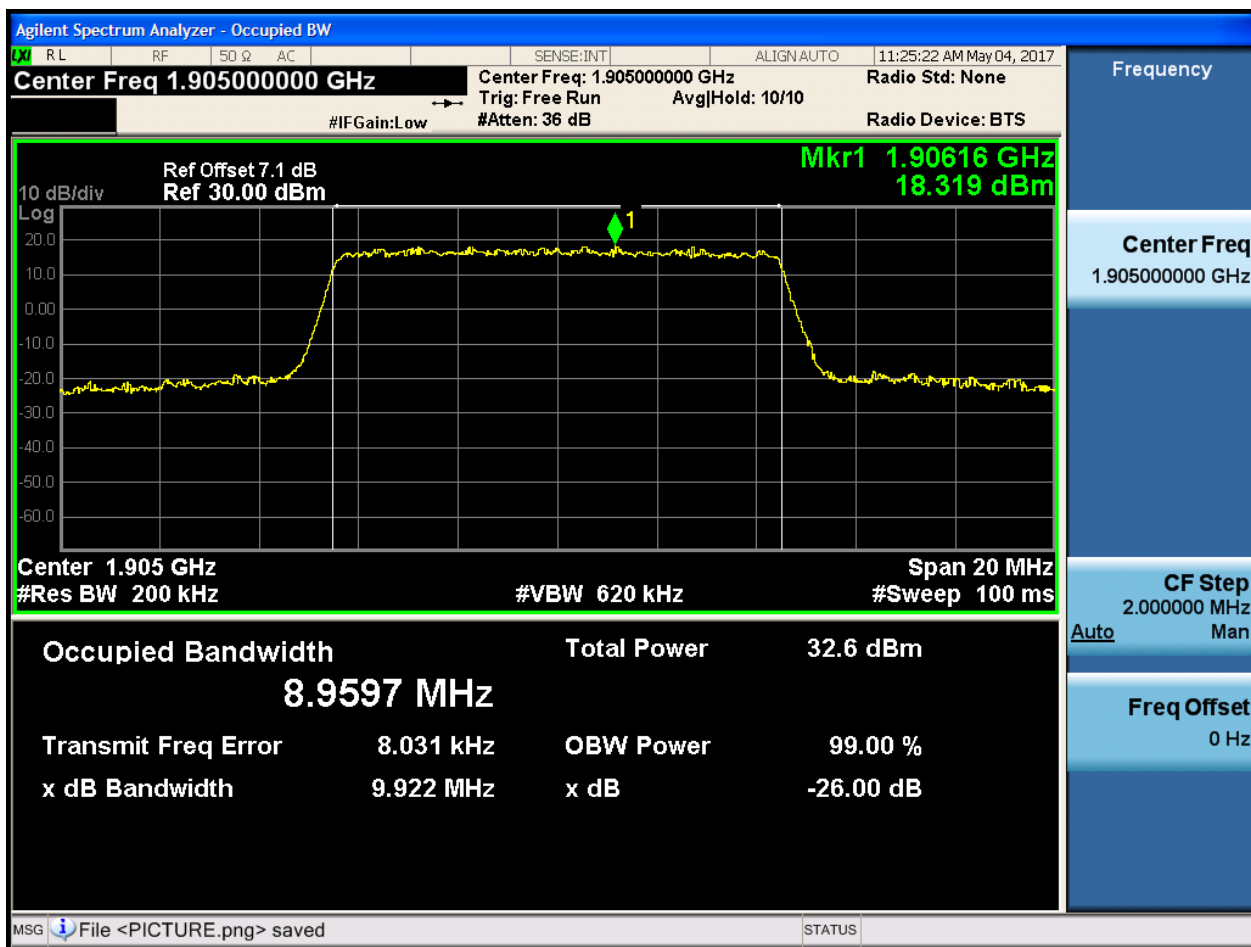
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

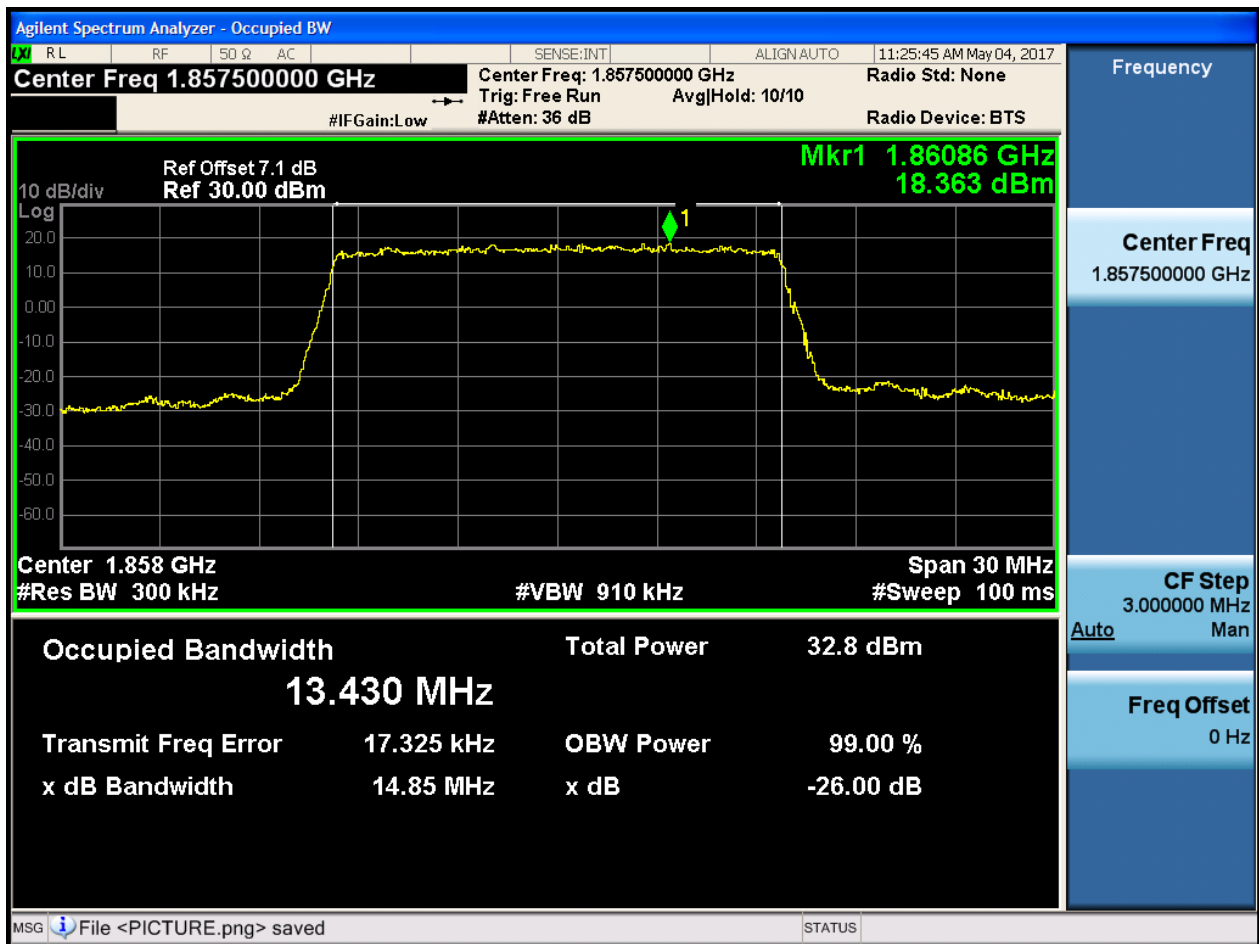




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

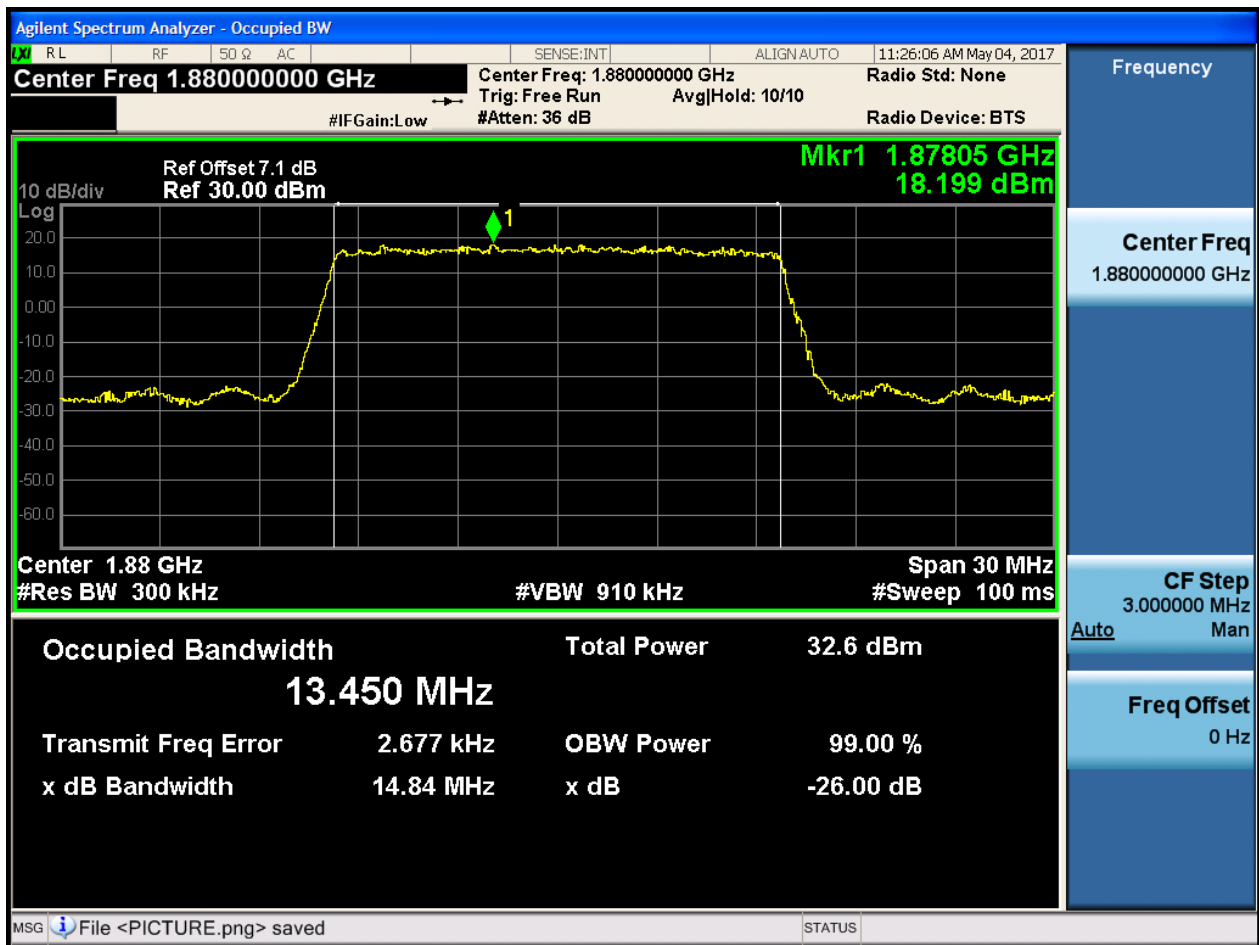
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

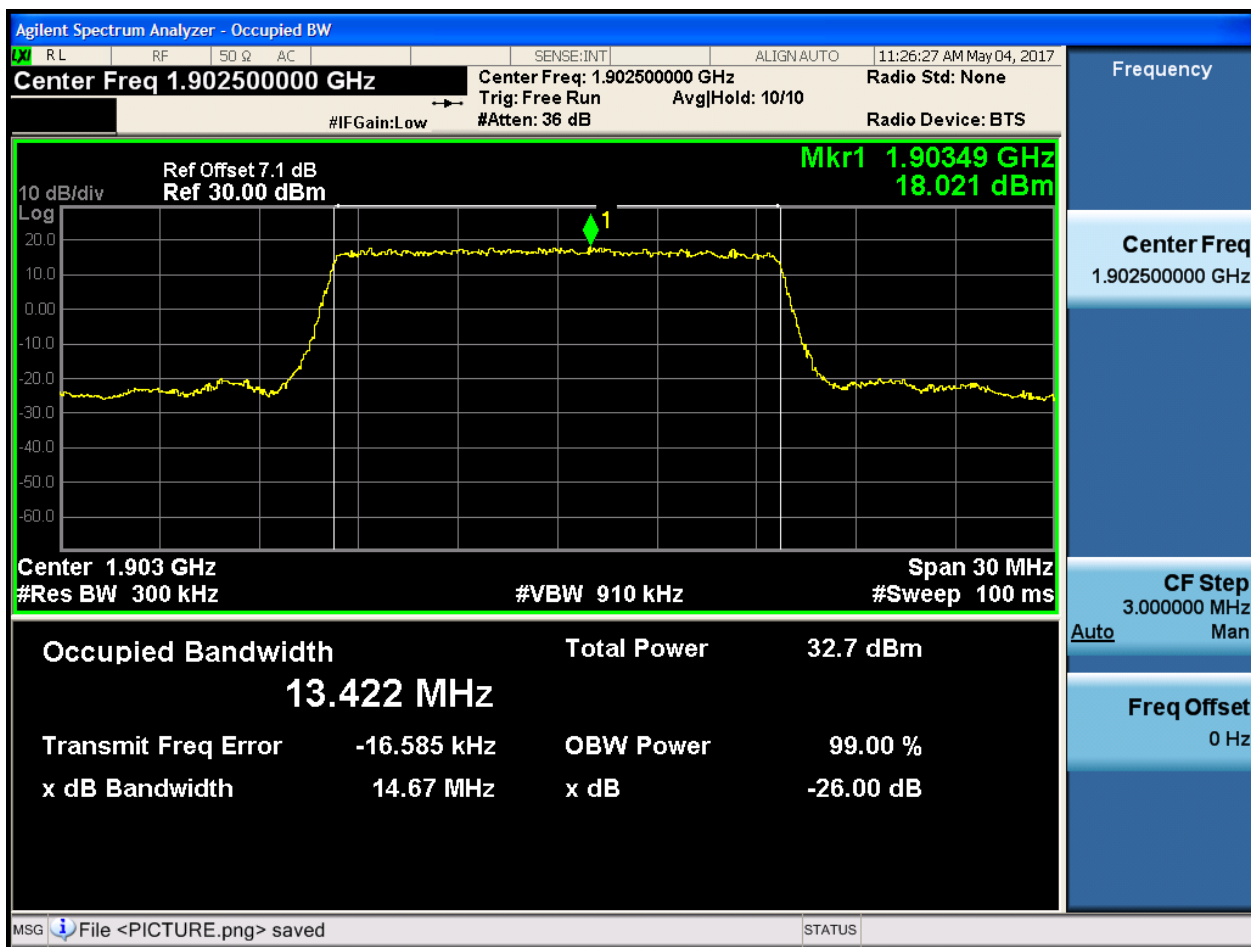
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

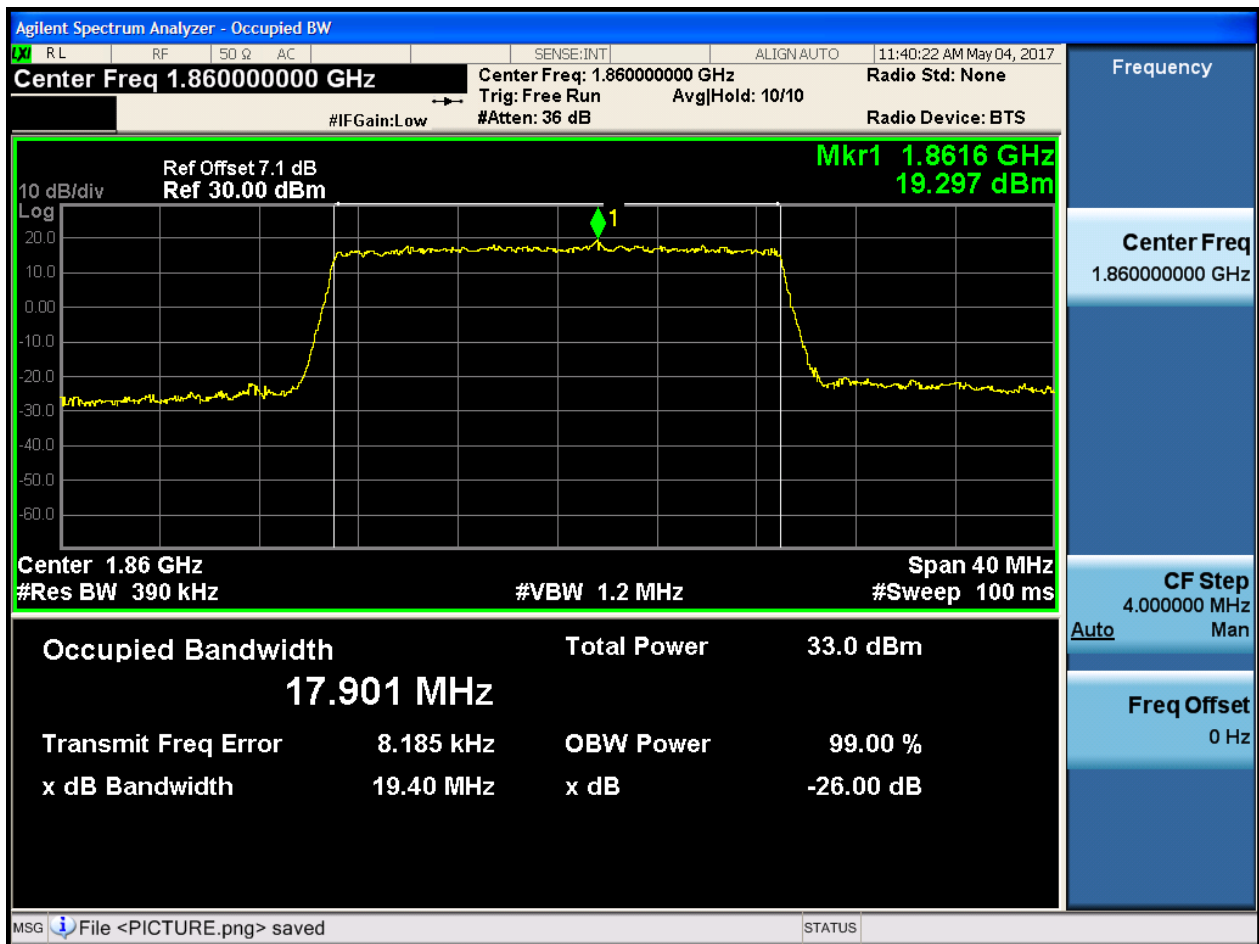




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

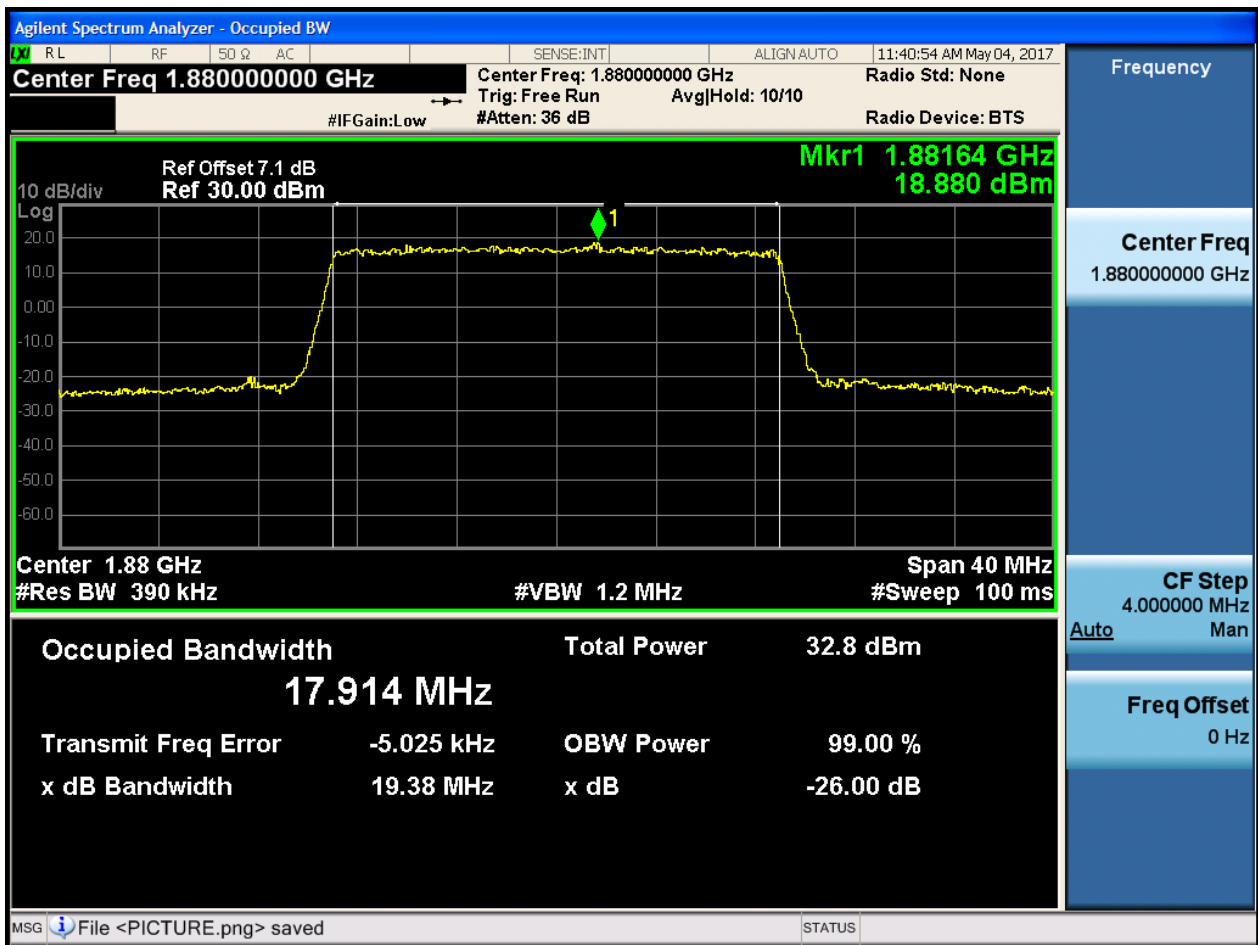
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

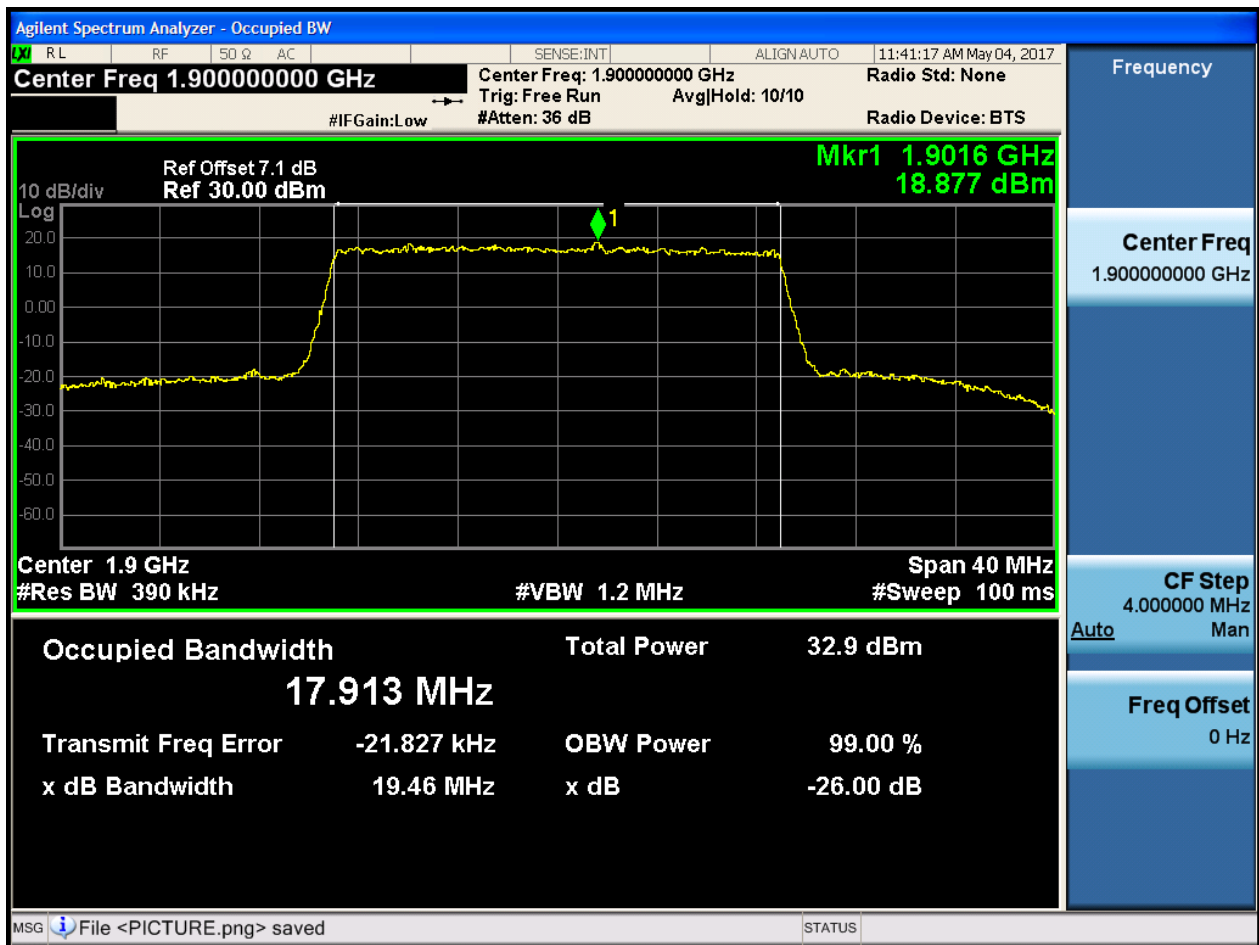
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



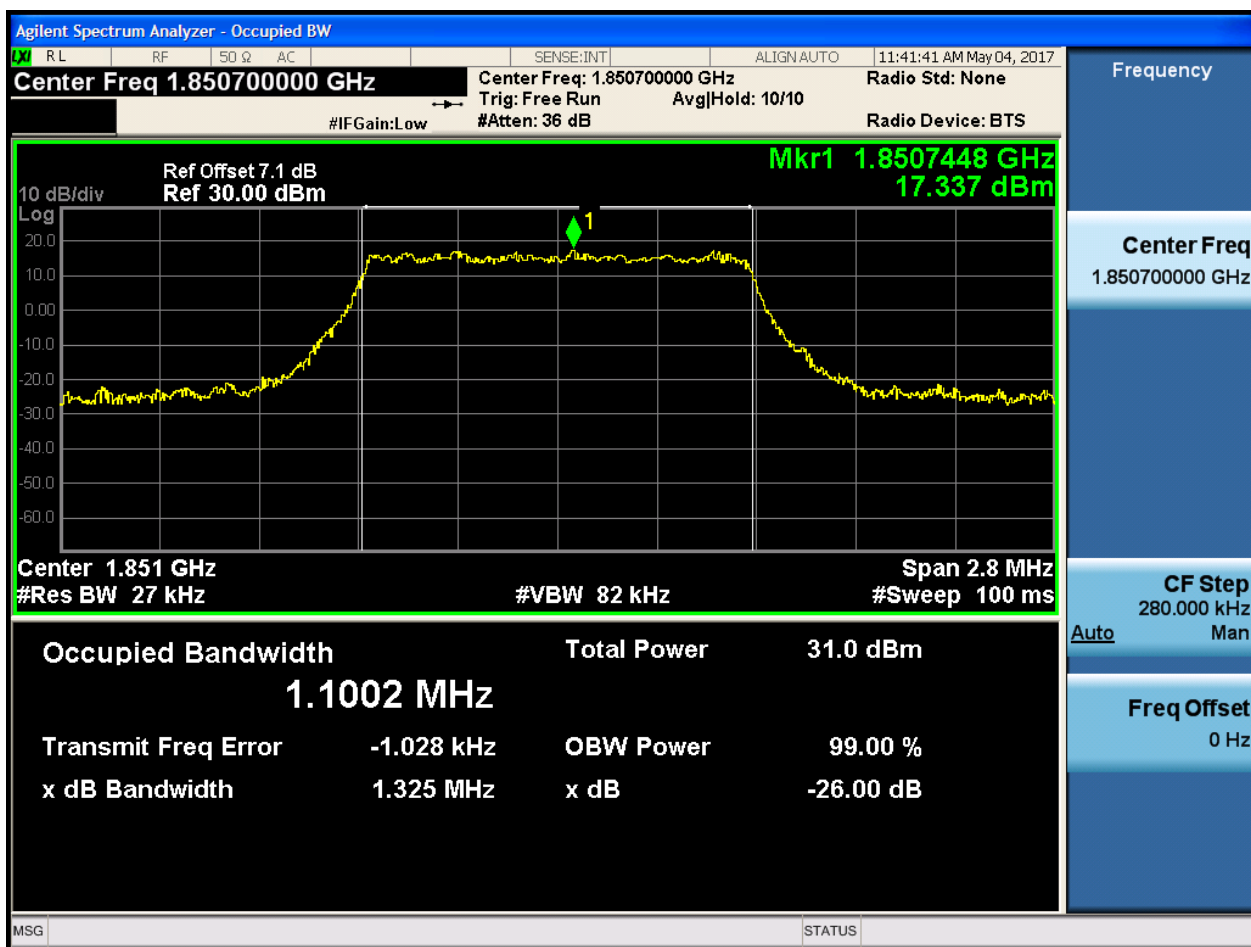


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

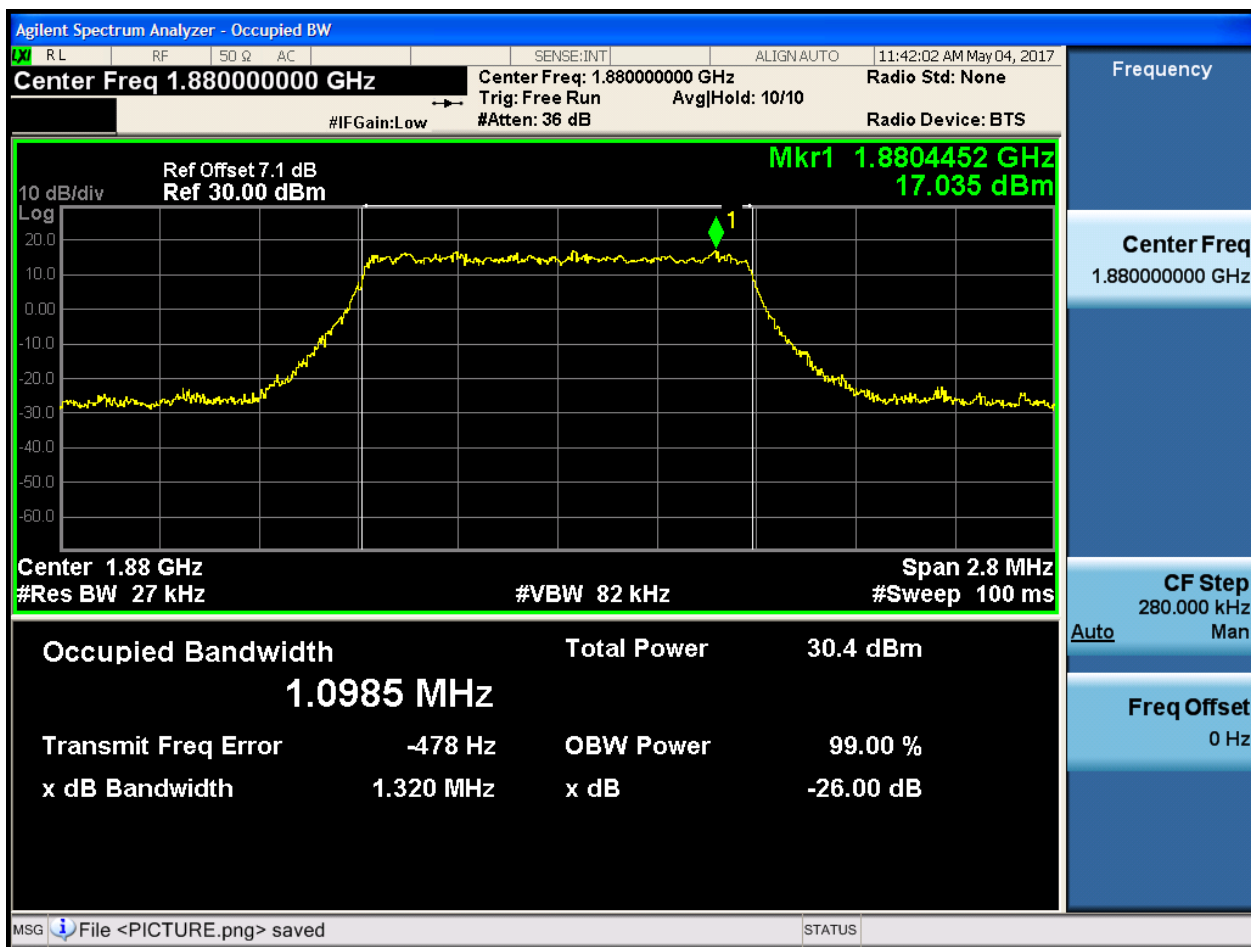
4.1.1.2.4.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

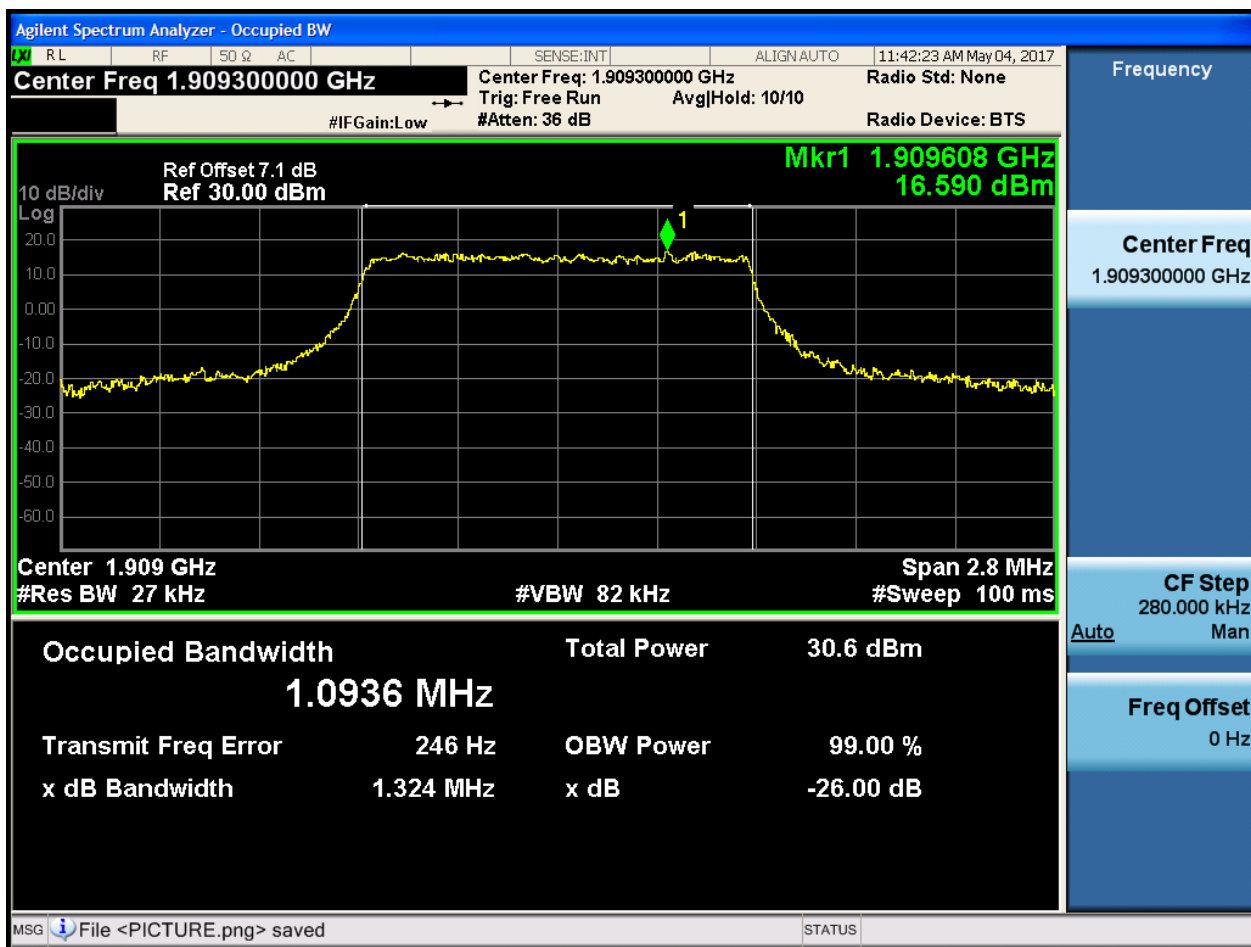
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

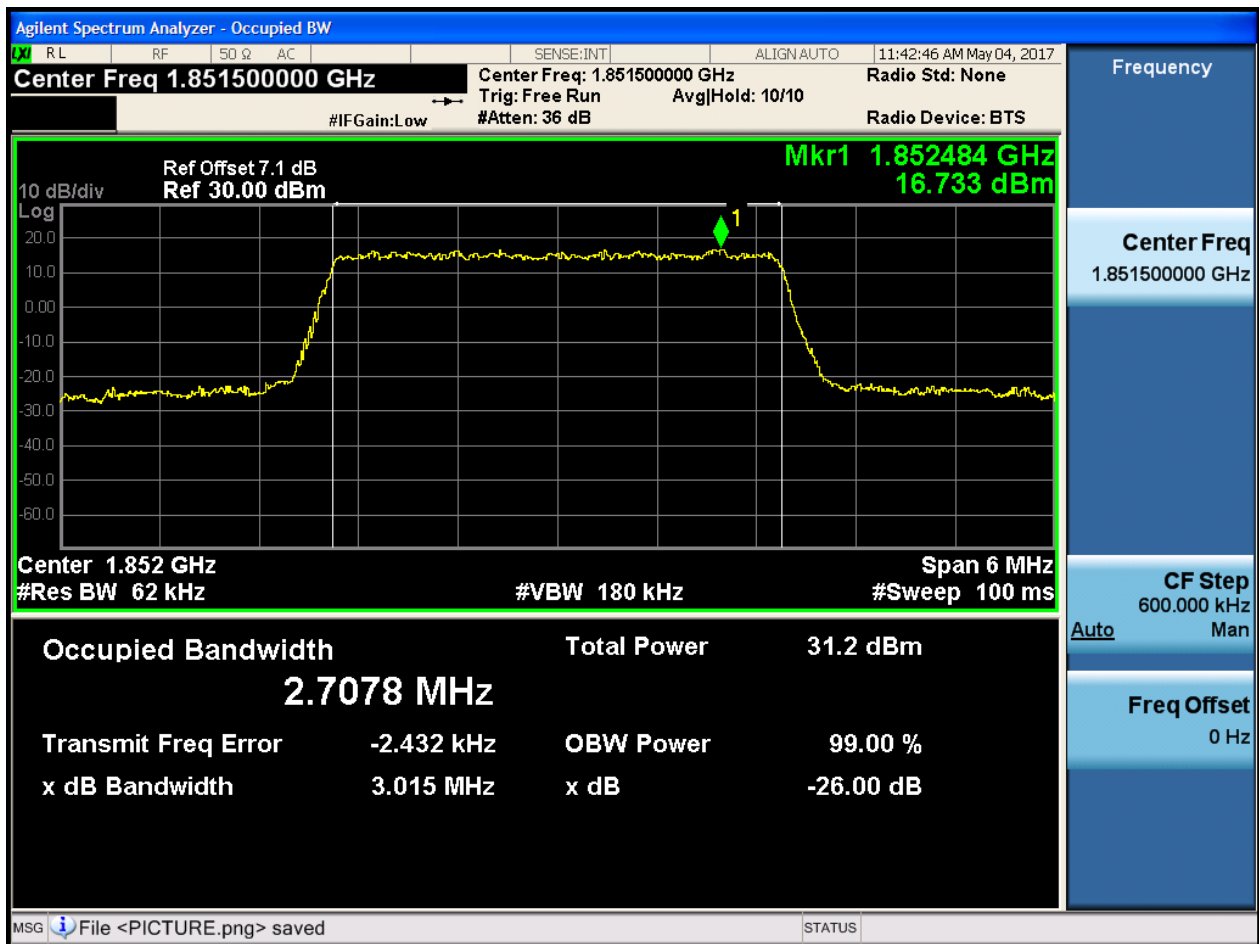




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

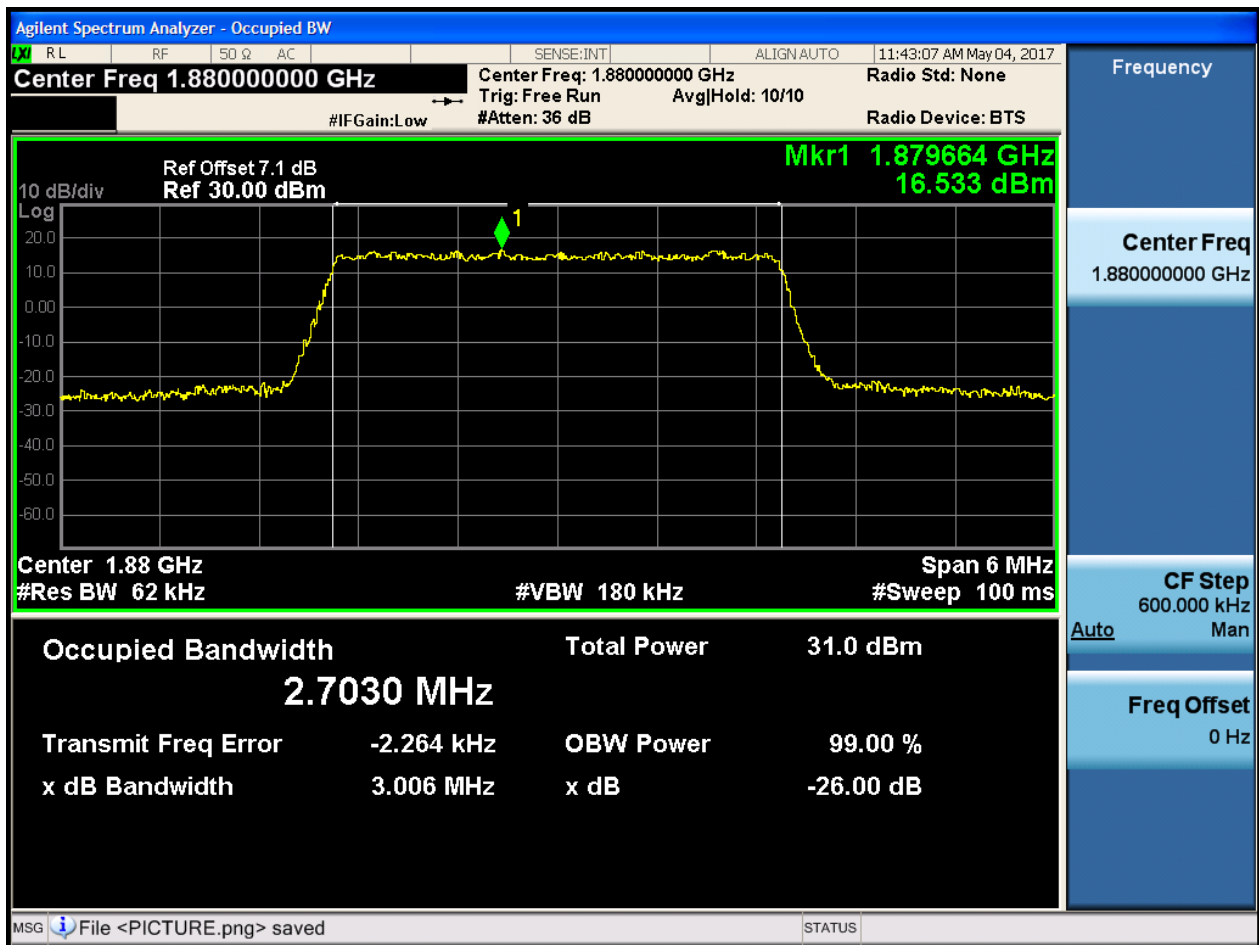
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

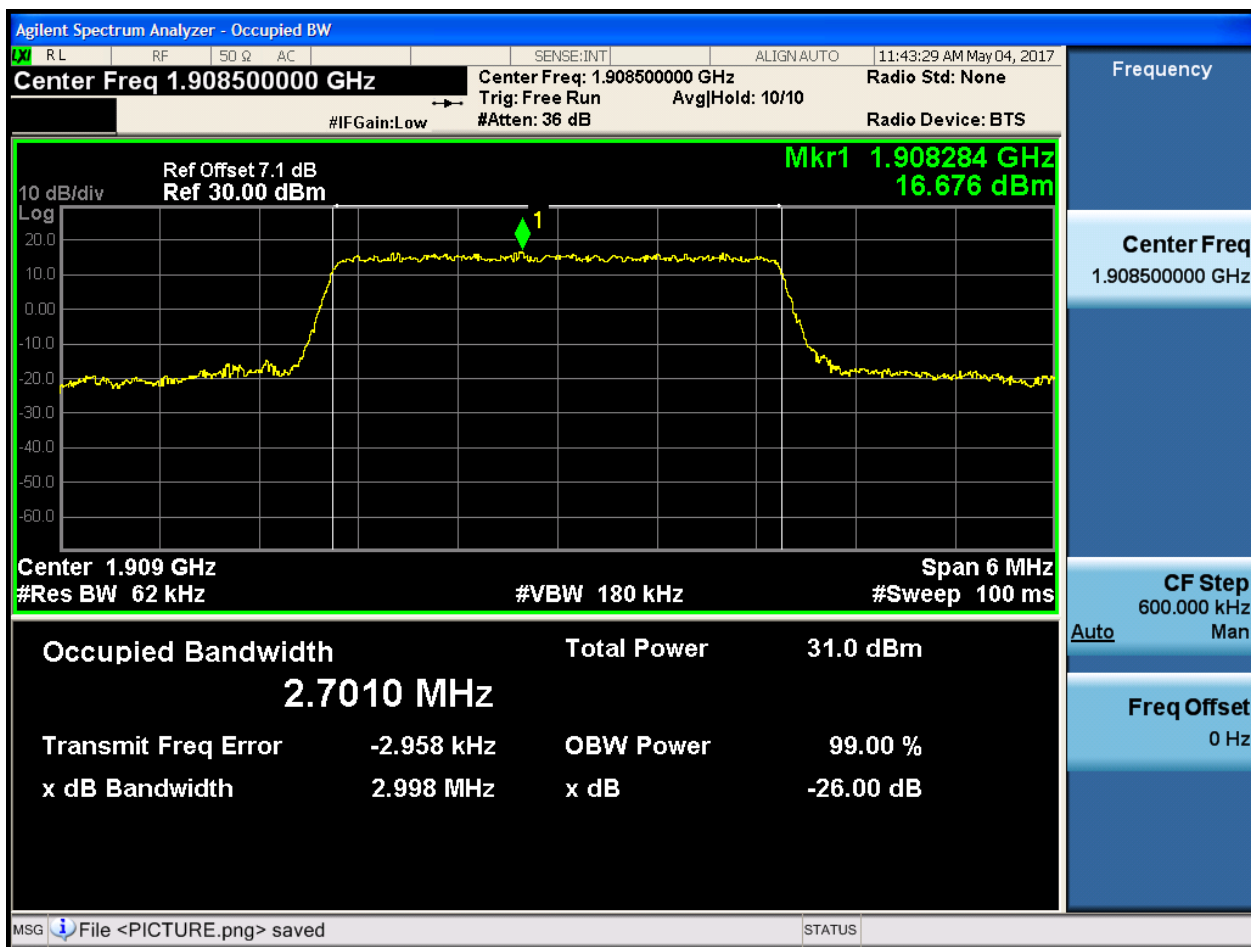
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

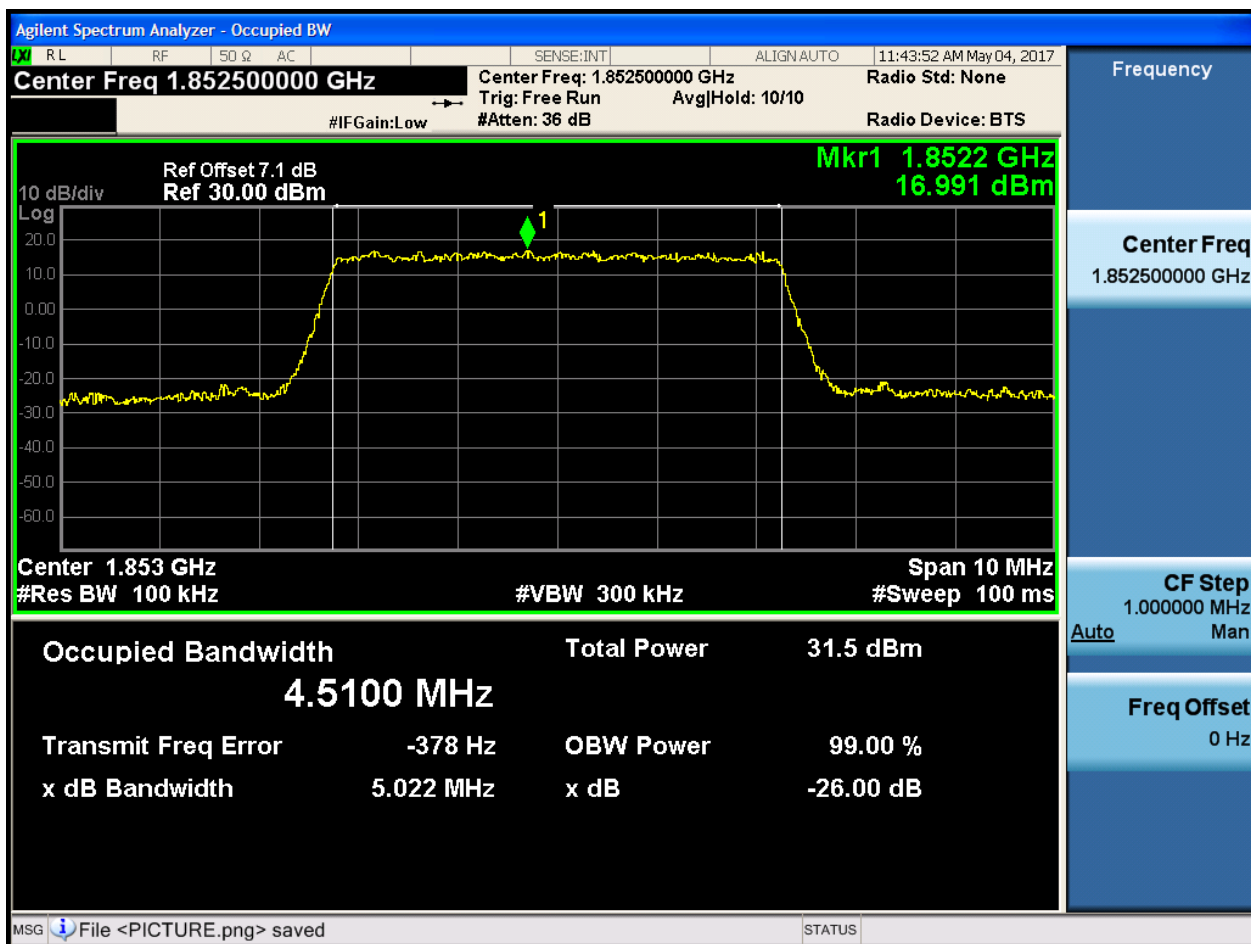




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

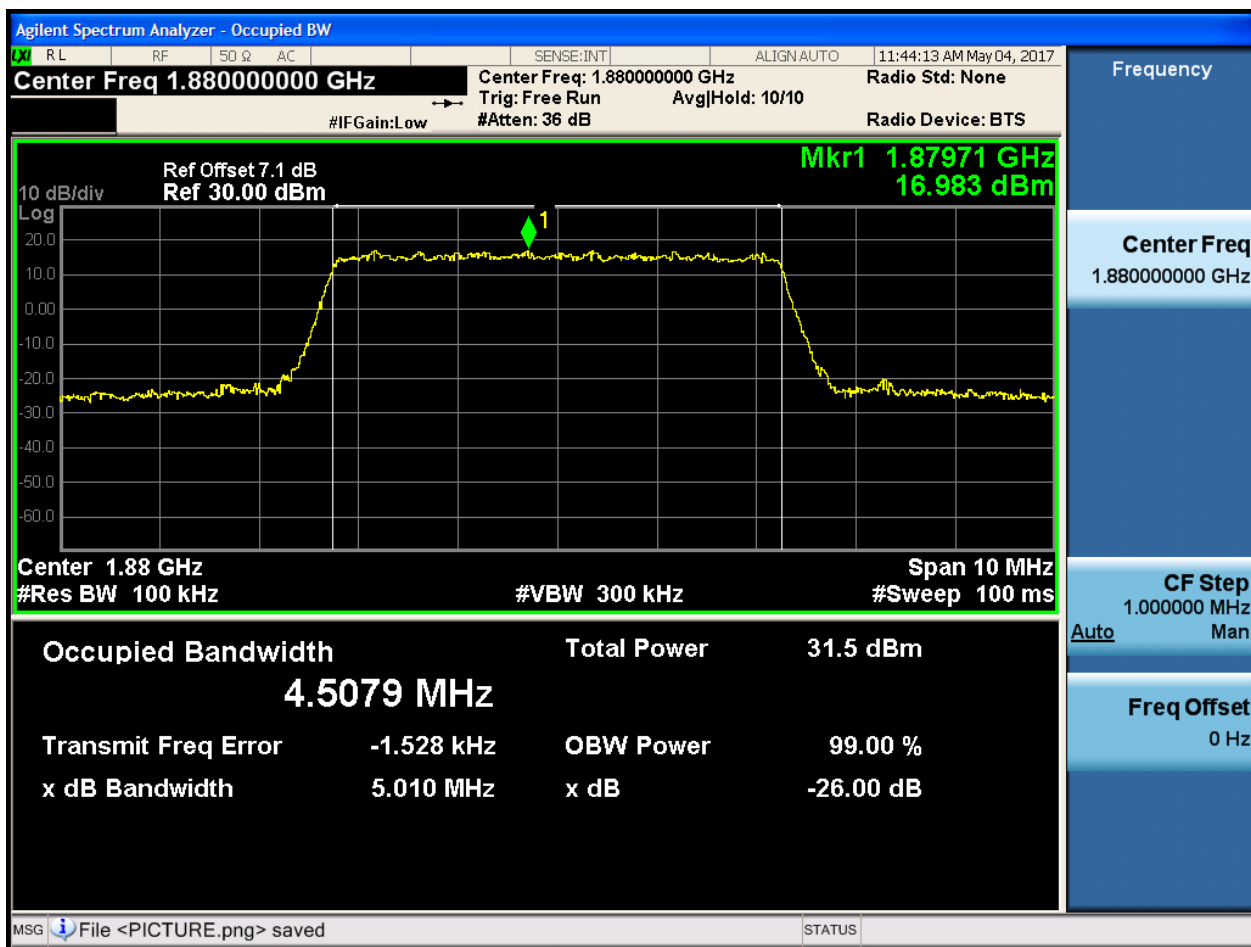
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

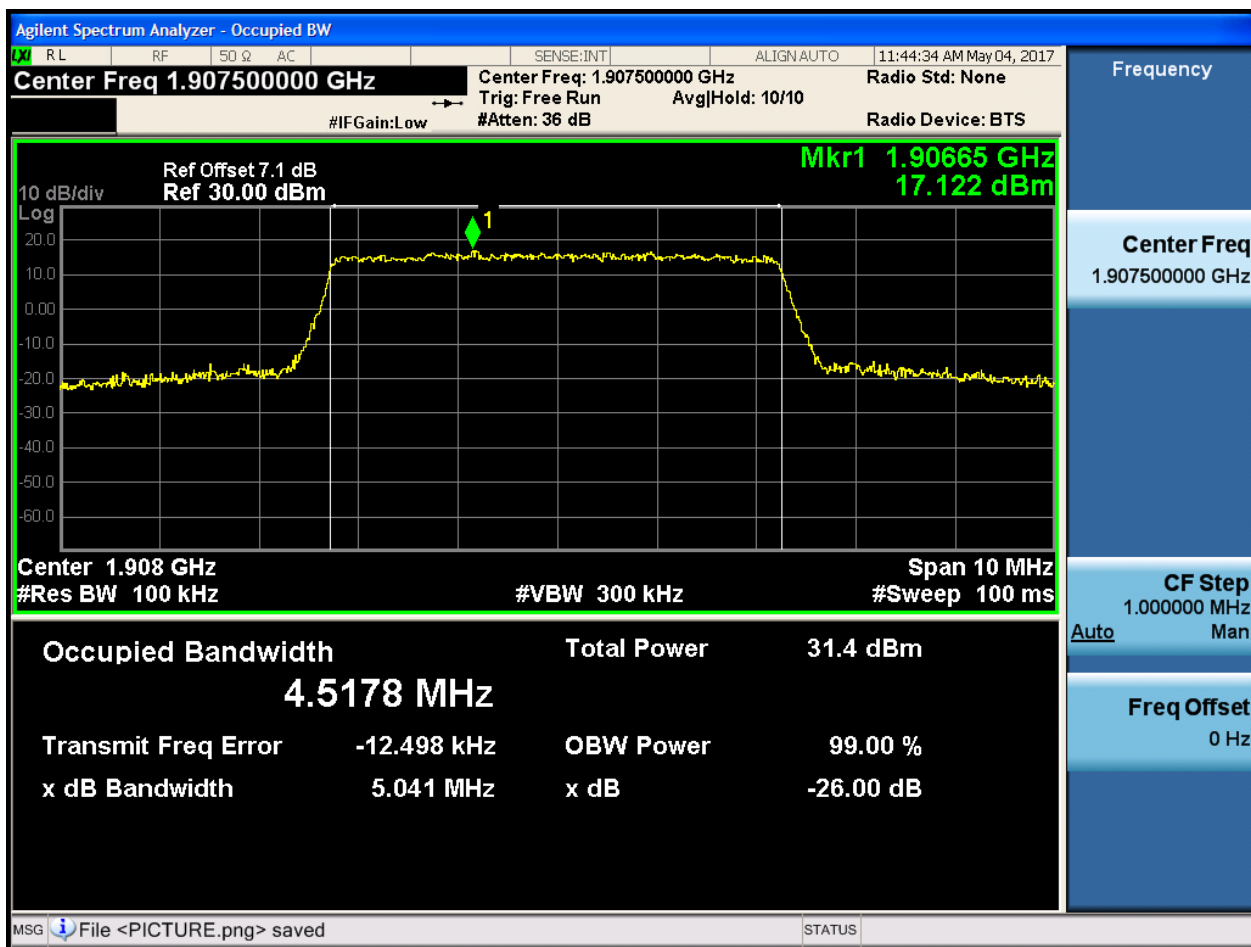
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

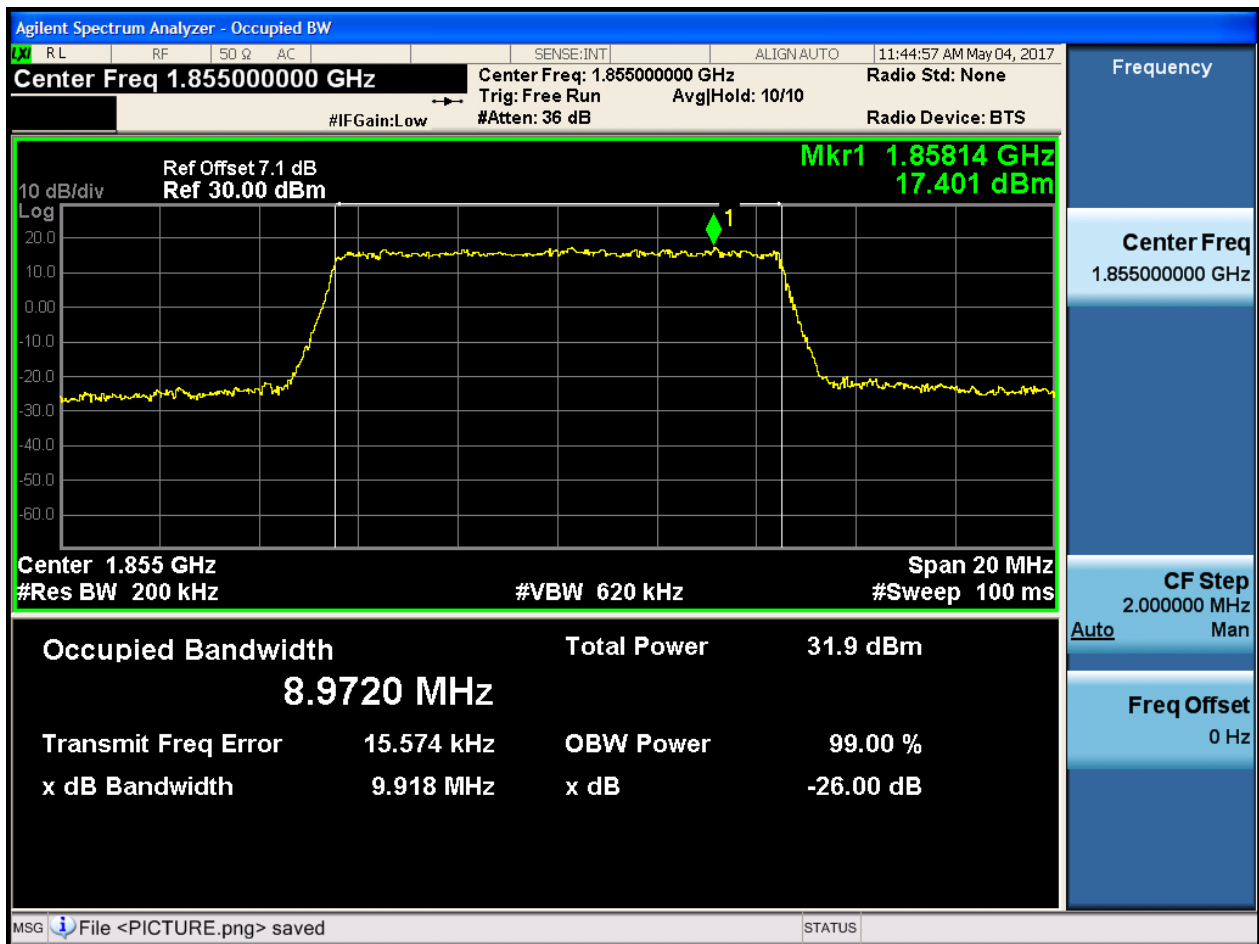




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

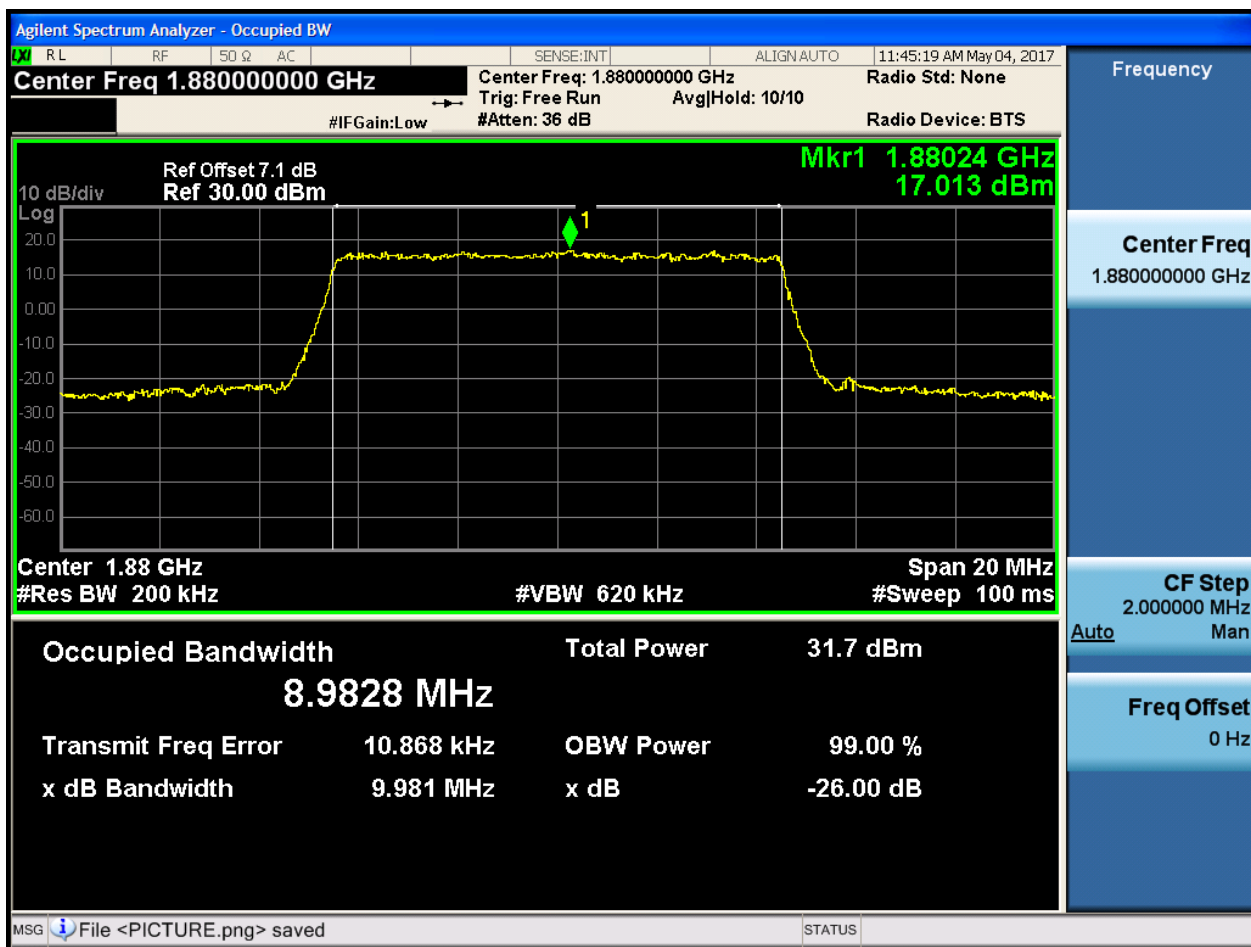
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

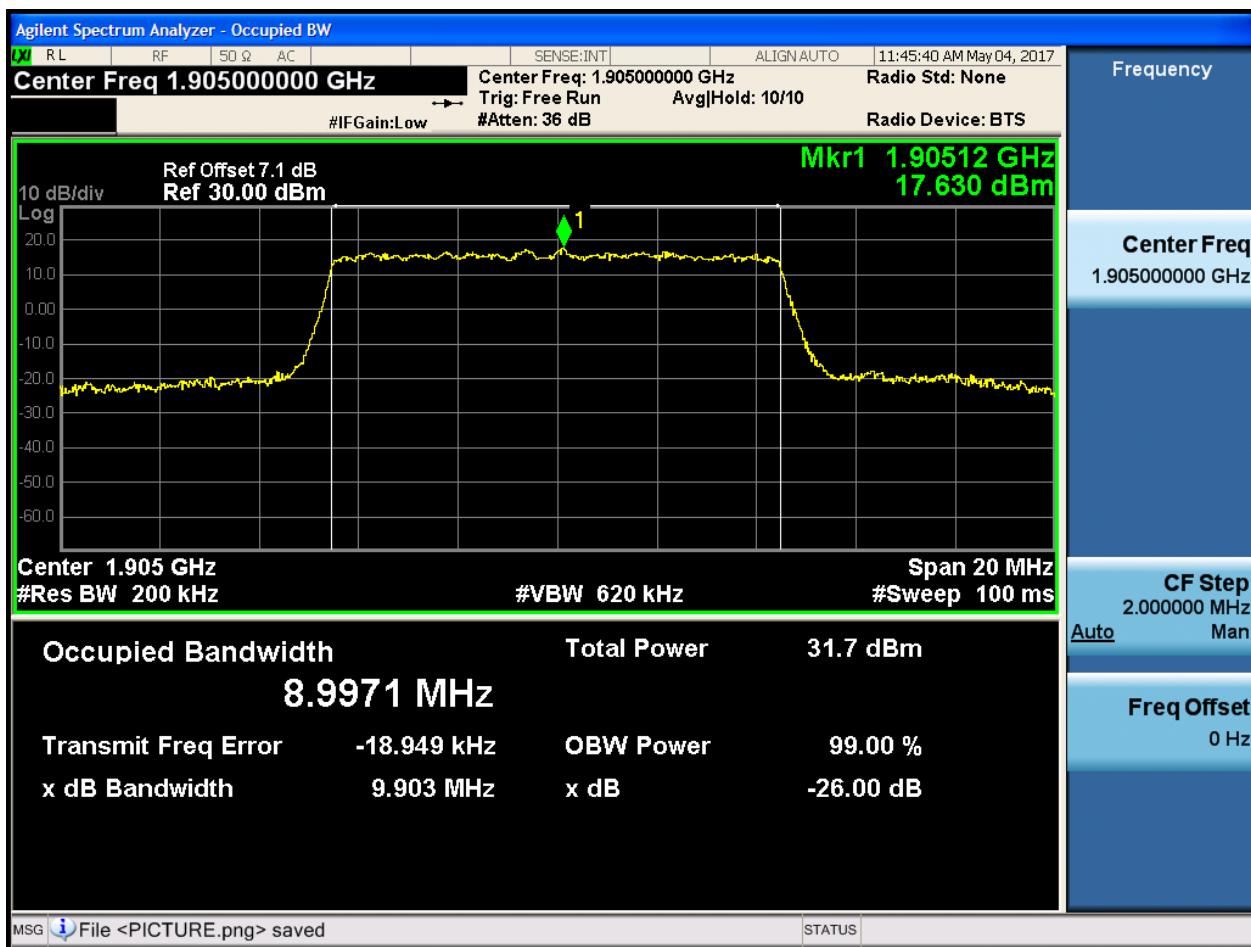
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

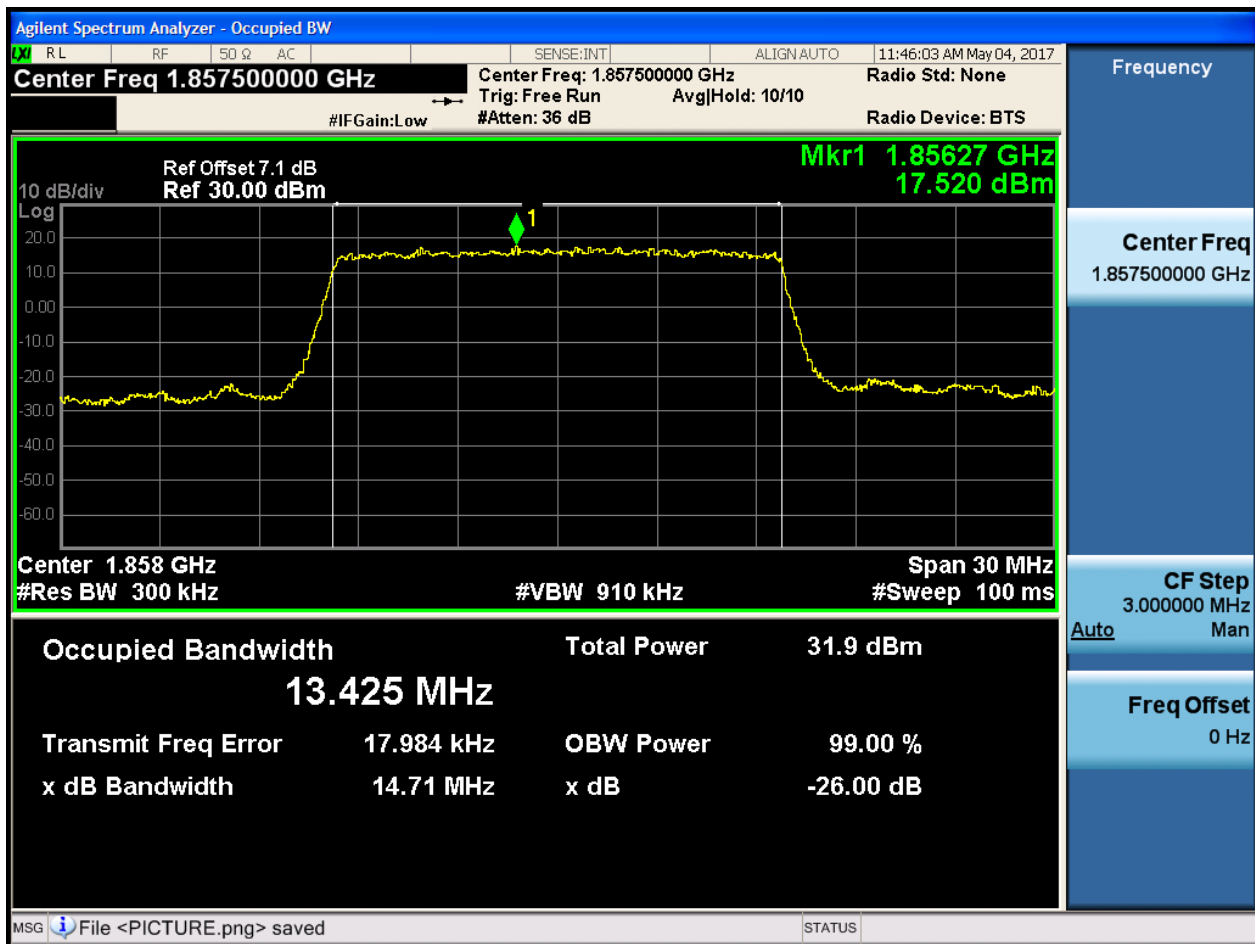




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

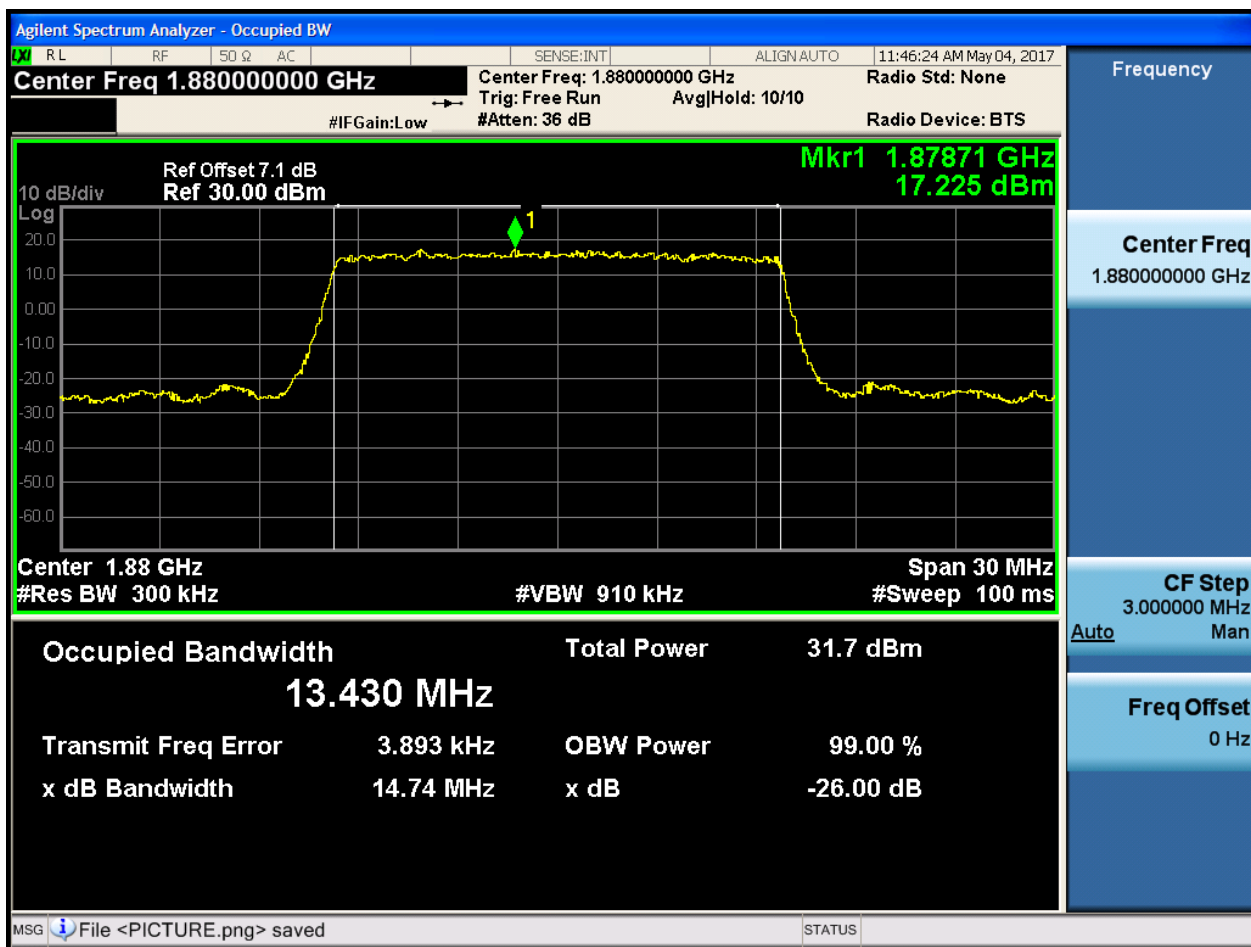
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

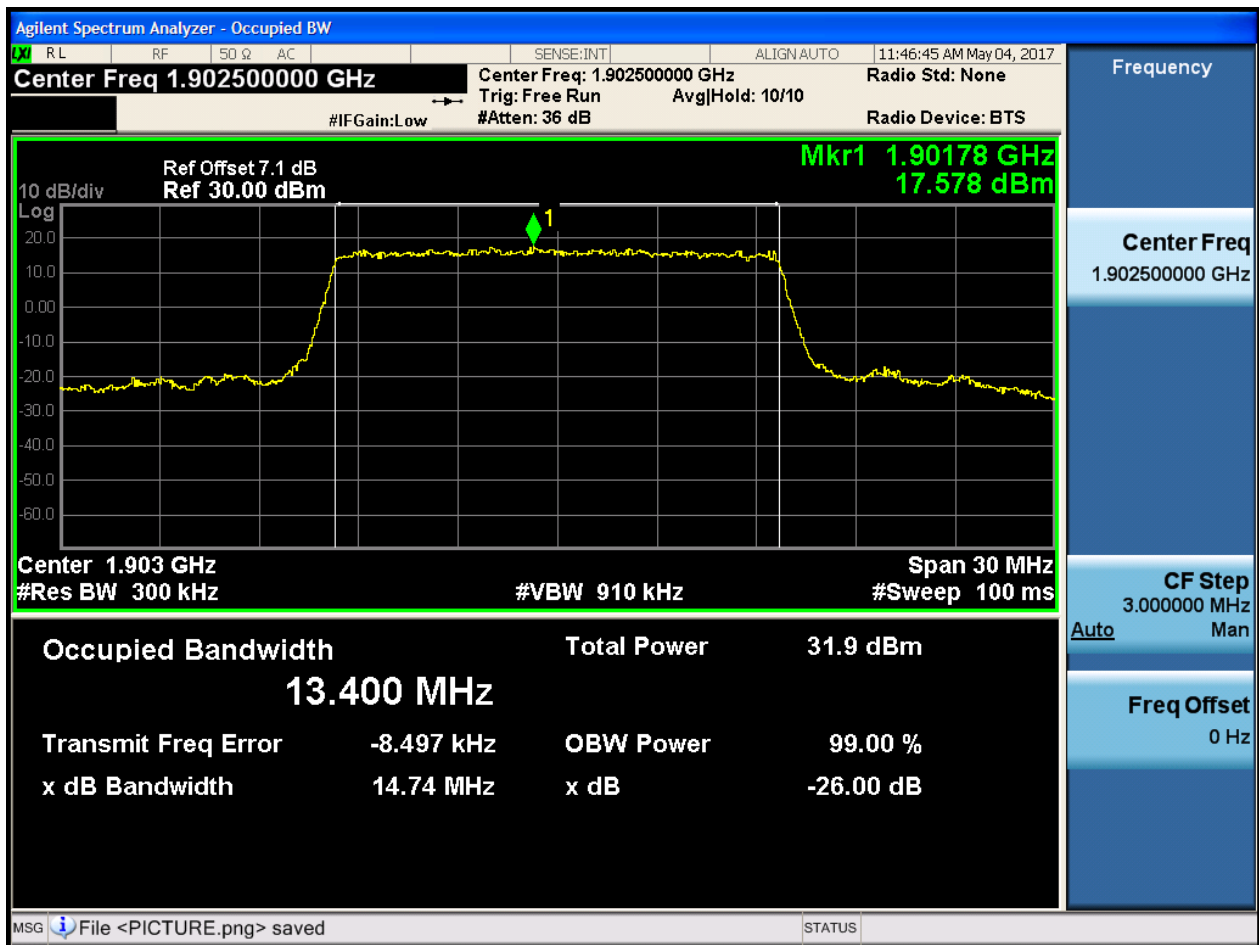
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

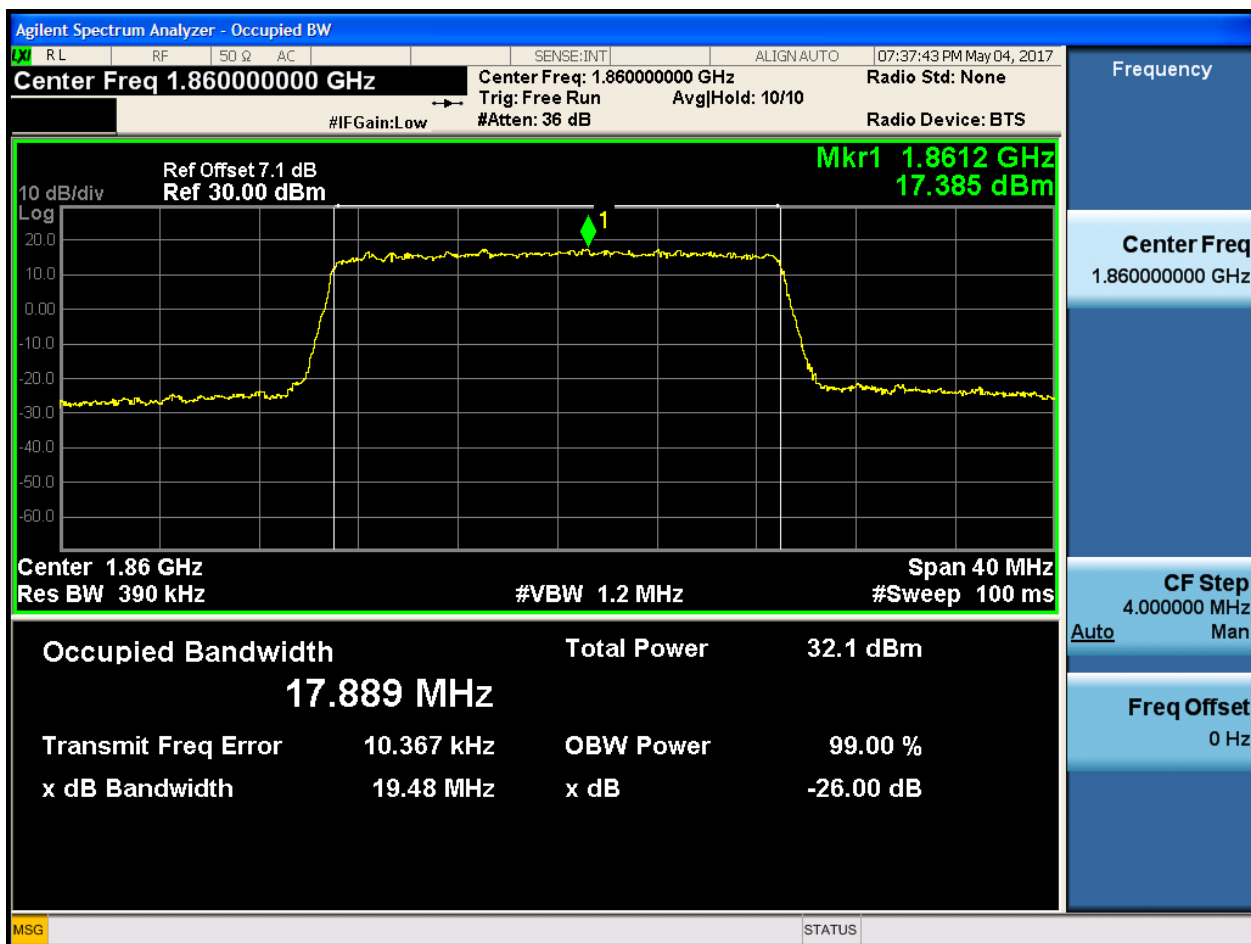




4.1.1.2.6 Test Bandwidth = 20

4.1.1. 2.6.1 Test Channel = LCH

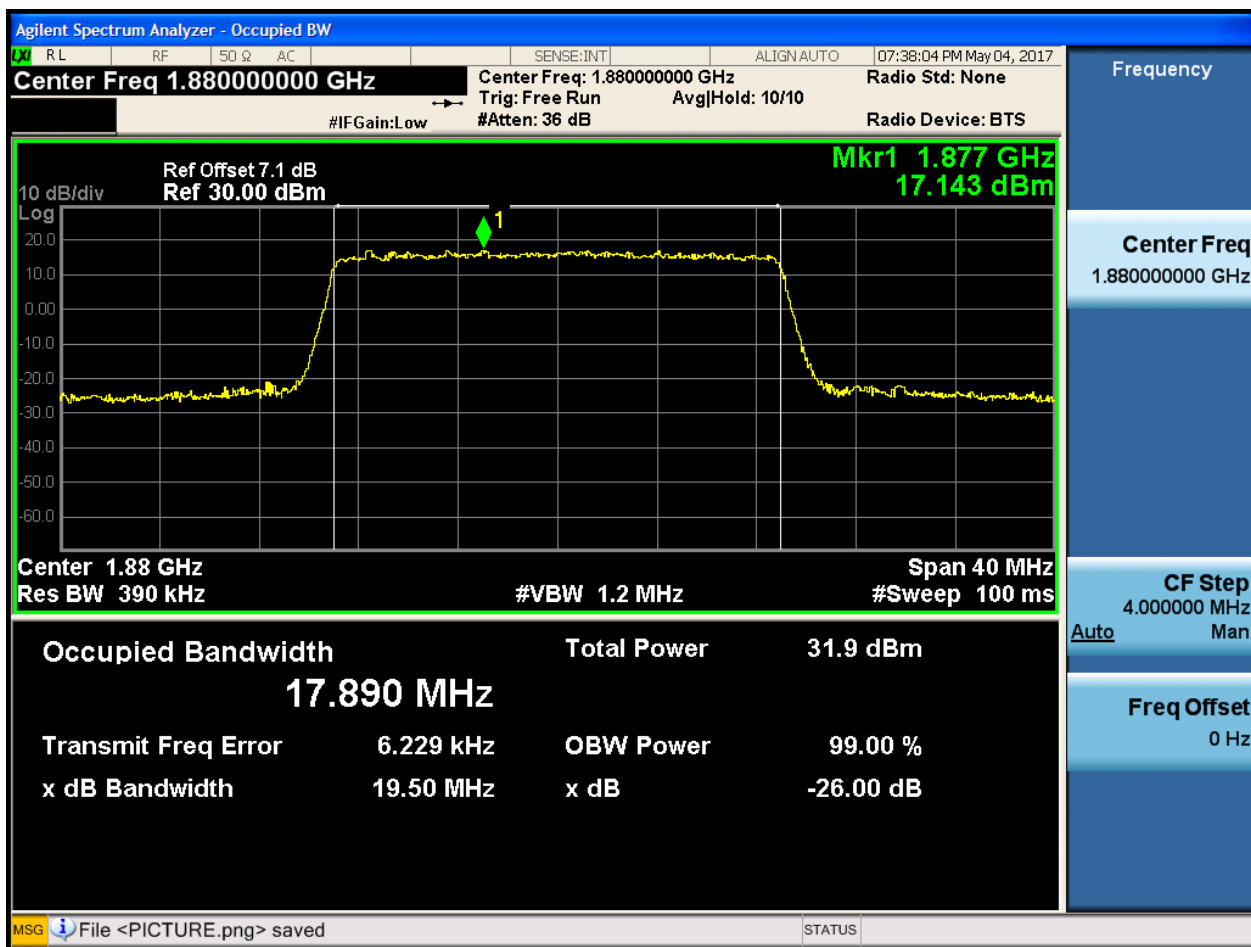
4.1.1. 2.6.1.1 Test RB = RB100#0





4.1.1. 2.6.2 Test Channel = MCH

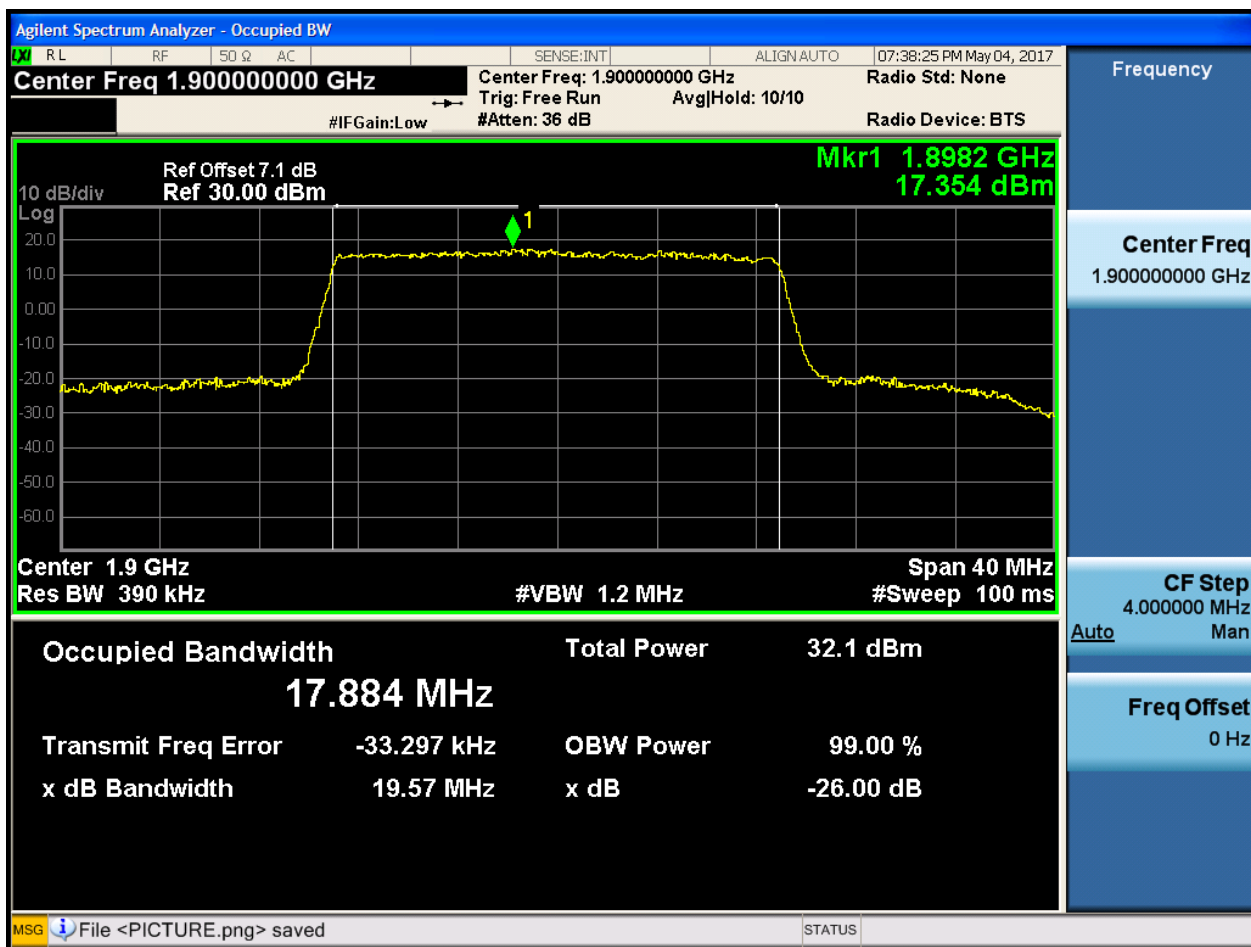
4.1.1. 2.6.2.1 Test RB = RB100#0





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

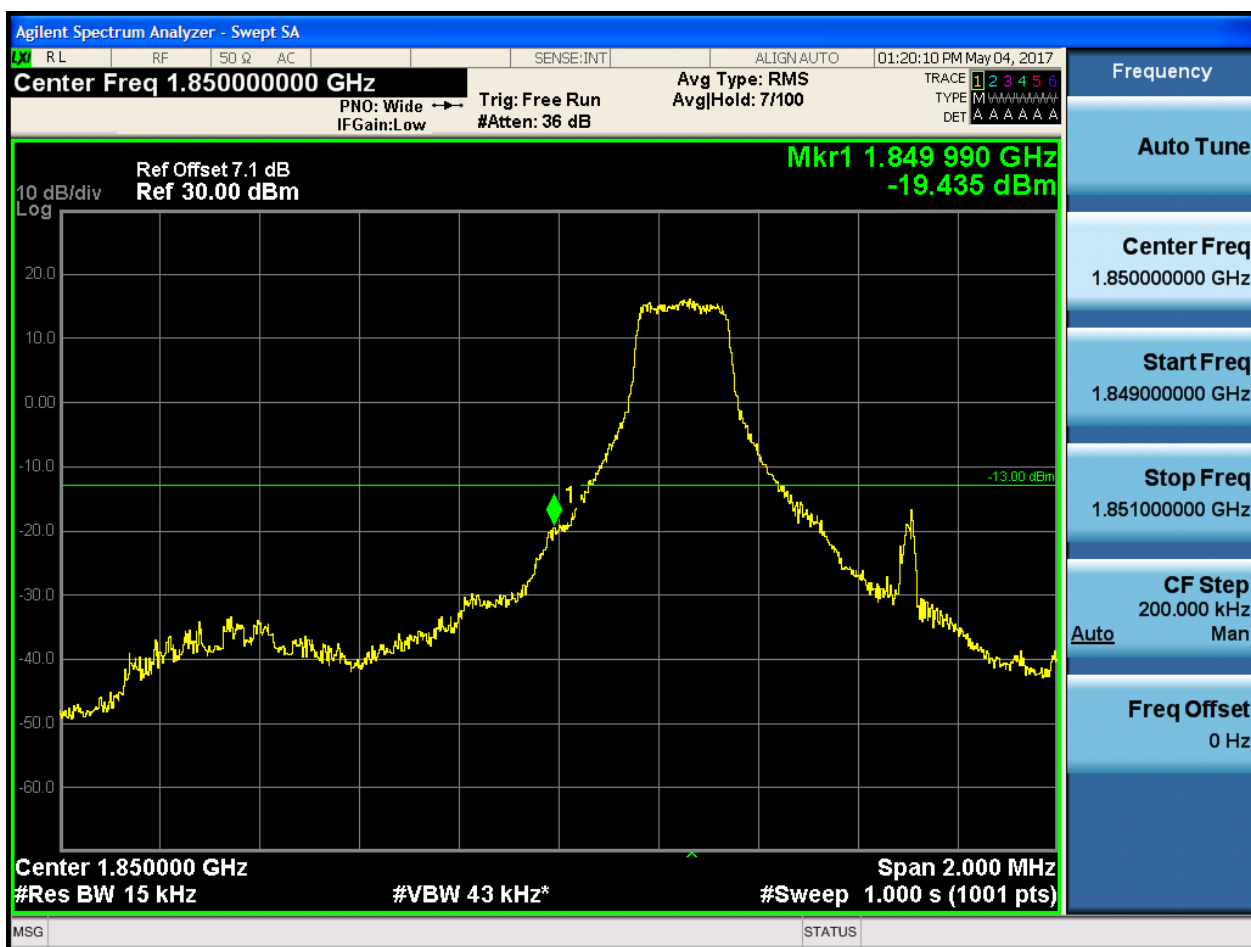
5.1.1 Test Band = BAND2

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





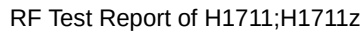
5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:20:59 PM May 04, 2017

Center Freq 1.850000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run AvgHold: 7/100
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 1.850 000 GHz
-26.552 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

5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

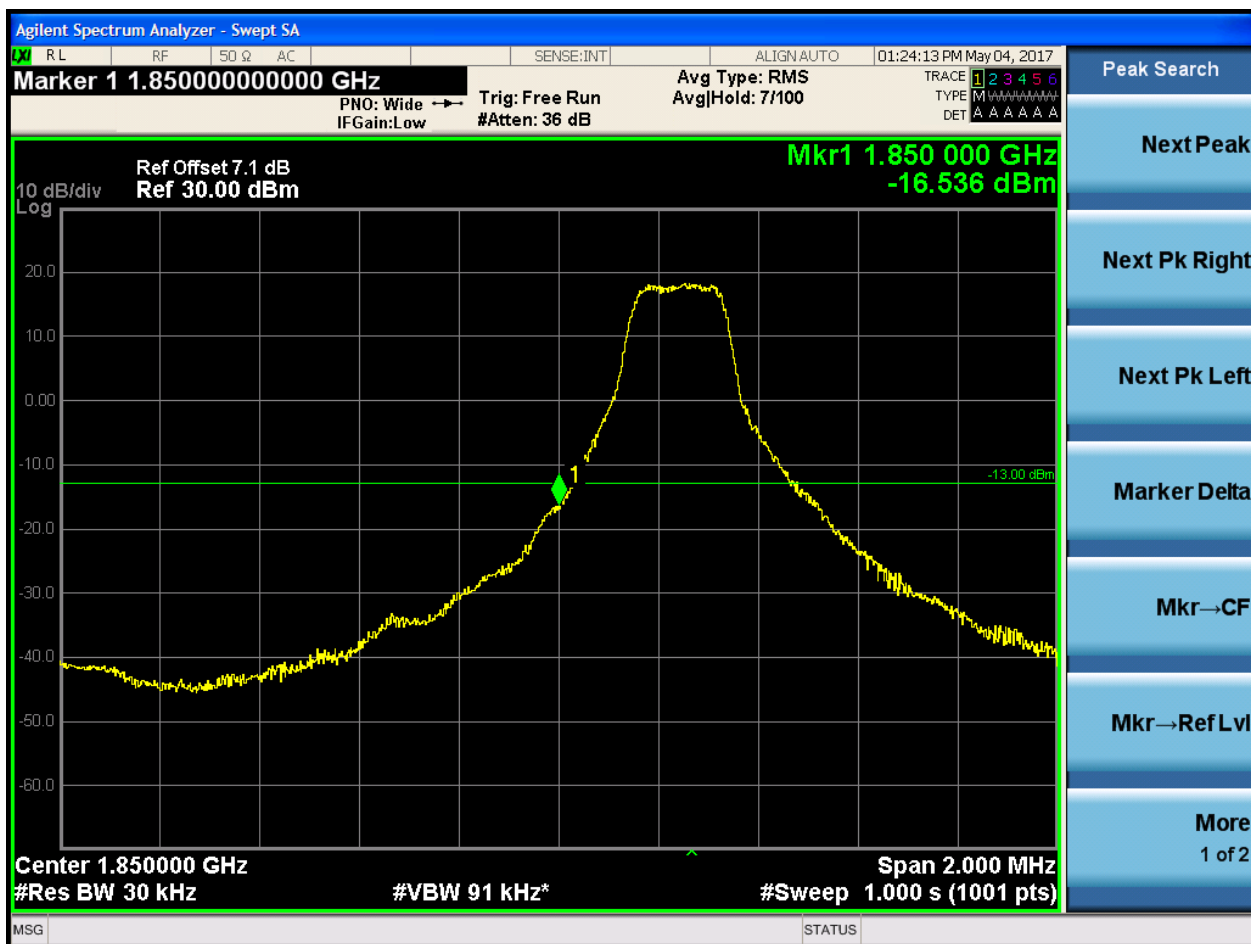




5.1.1.1.2 Test Bandwidth = 3

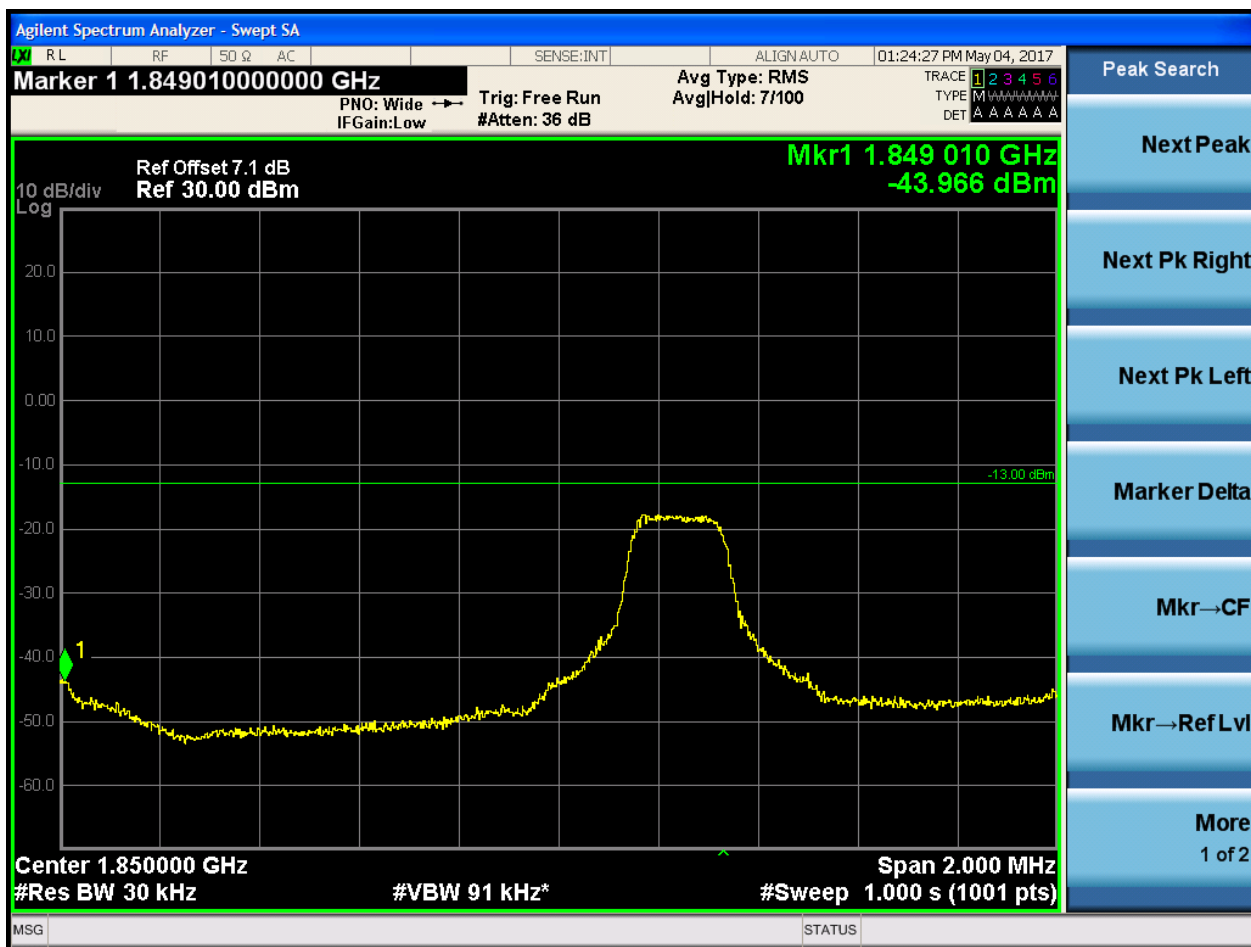
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14



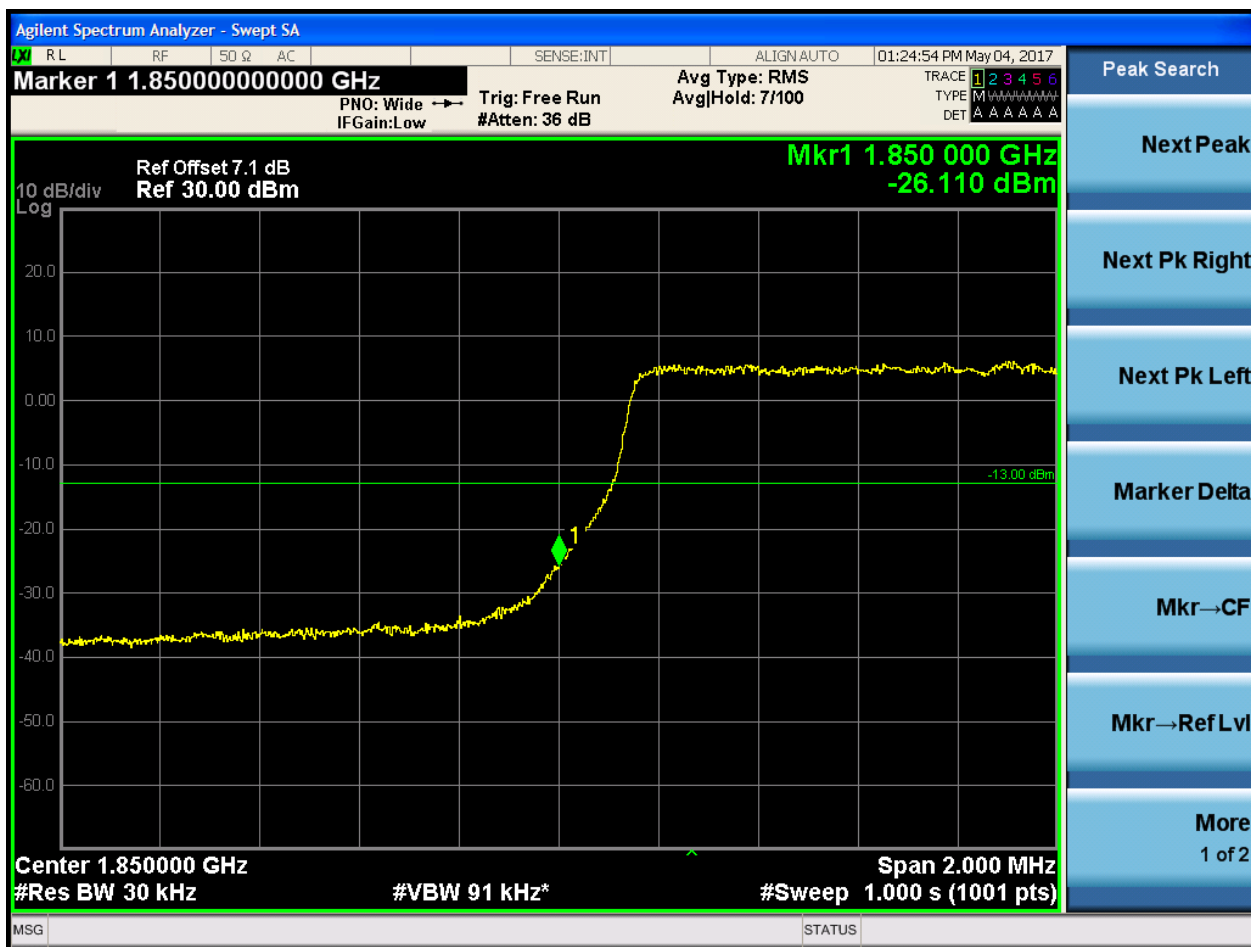


5.1.1.1.2.1.3 Test RB = RB8#4





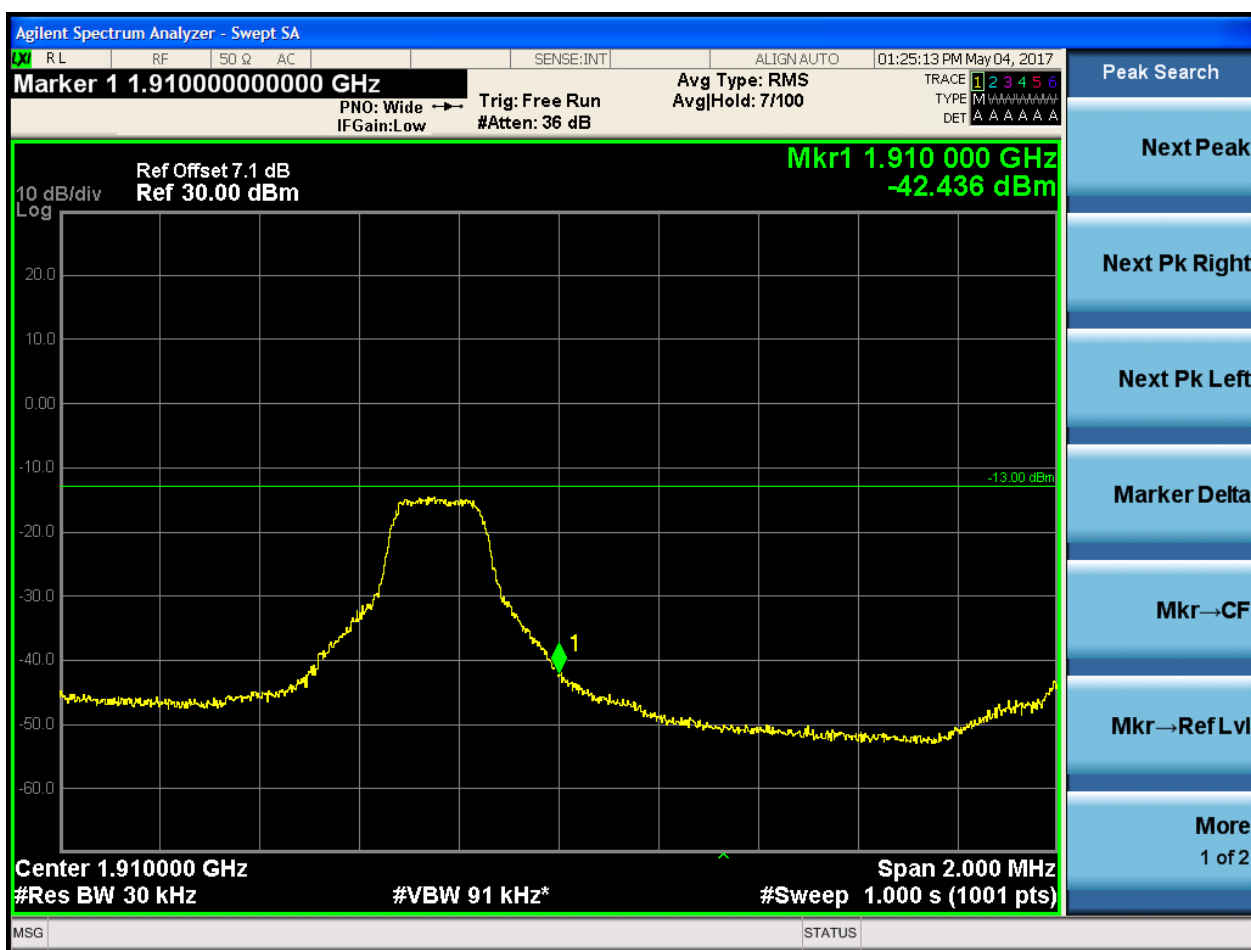
5.1.1.1.2.1.4 Test RB = RB15#0





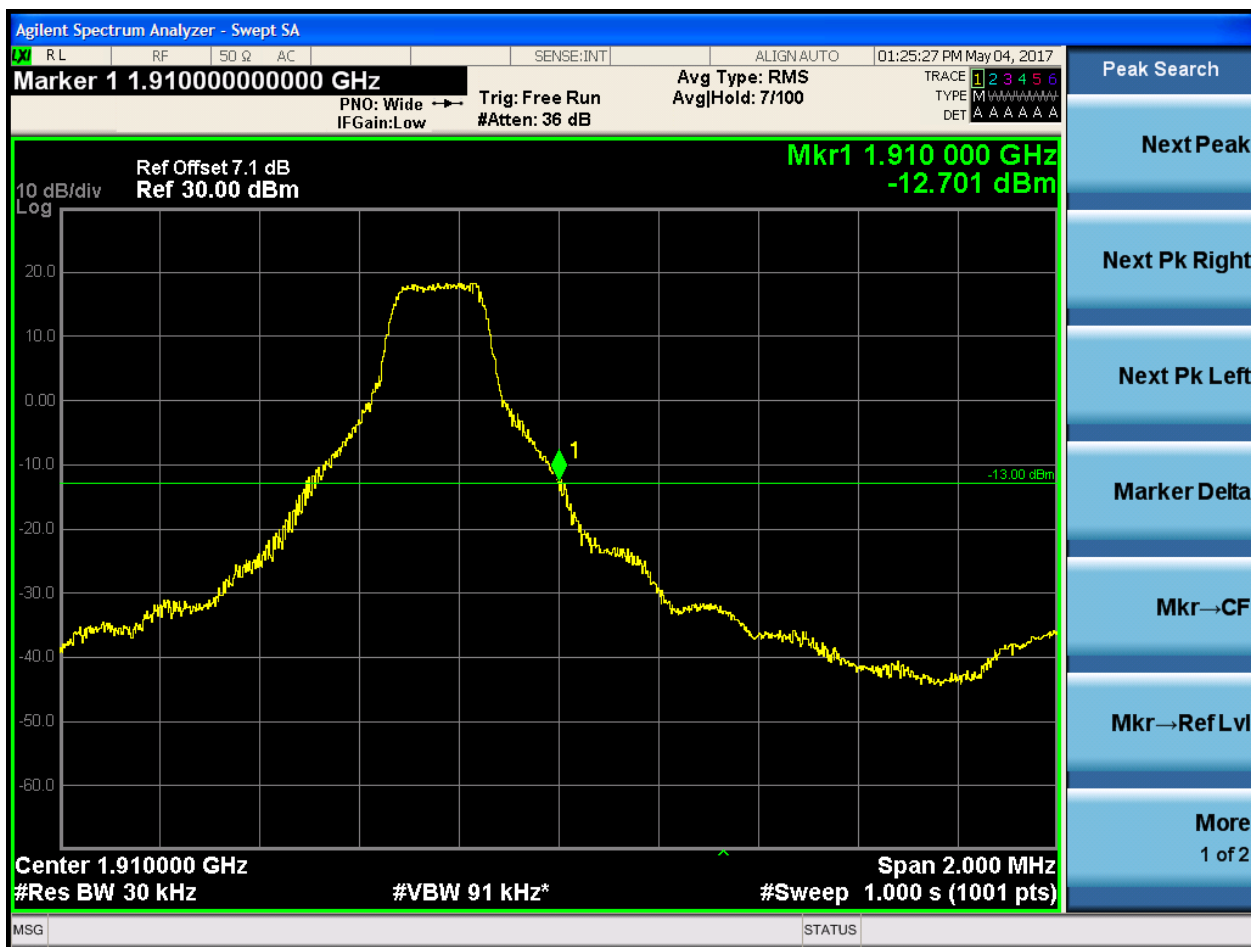
5.1.1.1.2.2 Test Channel = HCH

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

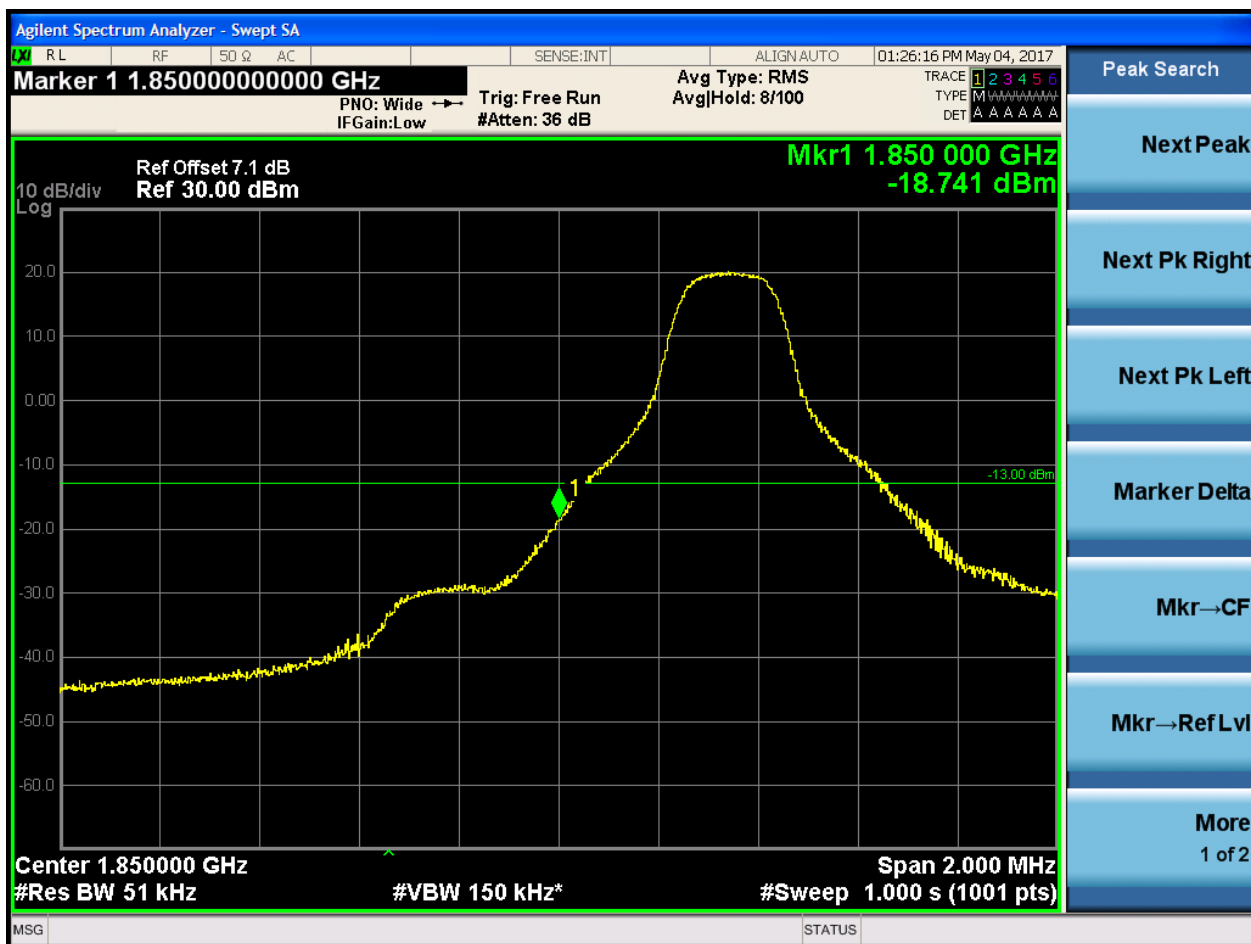




5.1.1.1.3 Test Bandwidth = 5

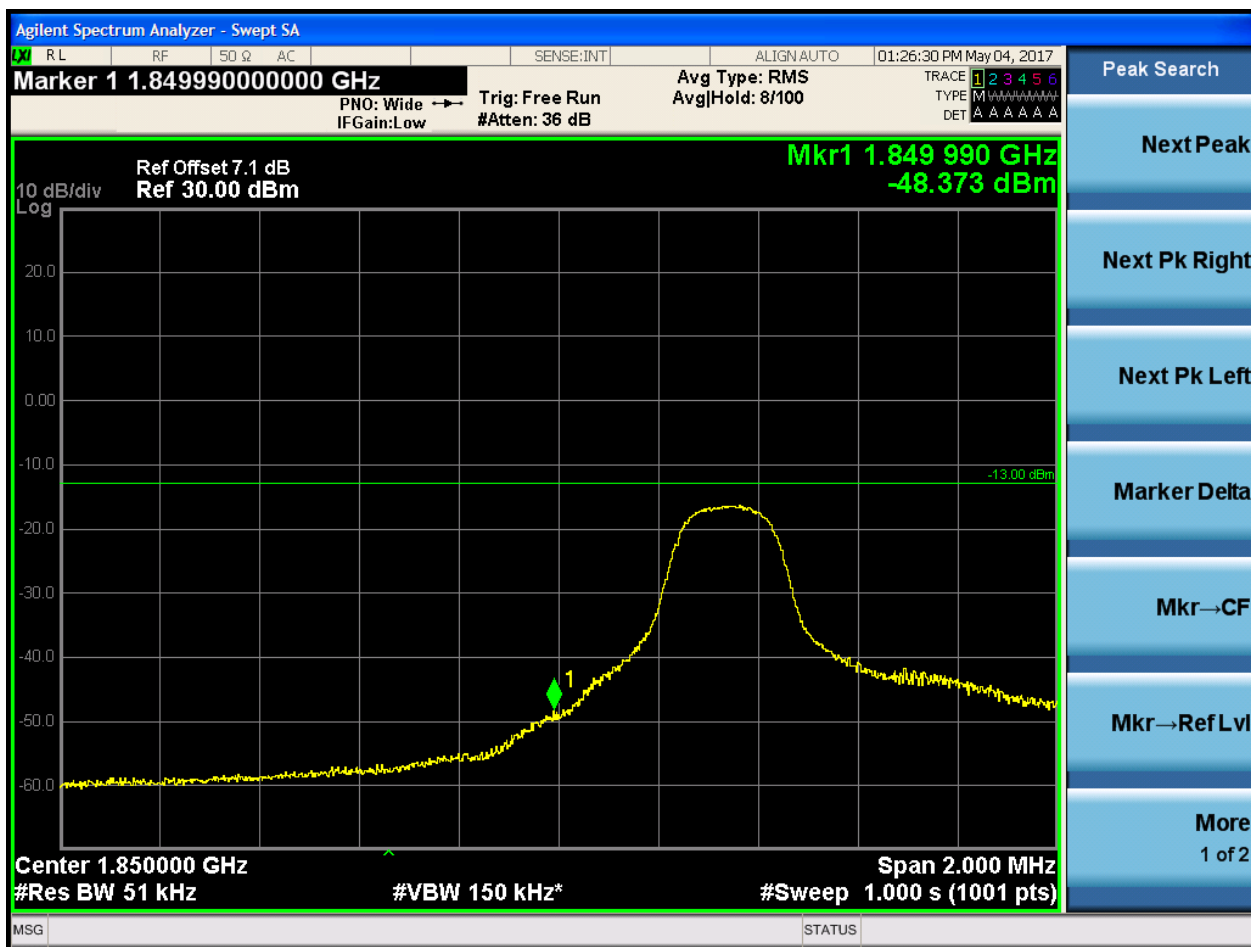
5.1.1.1.3.1 Test Channel = LCH

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





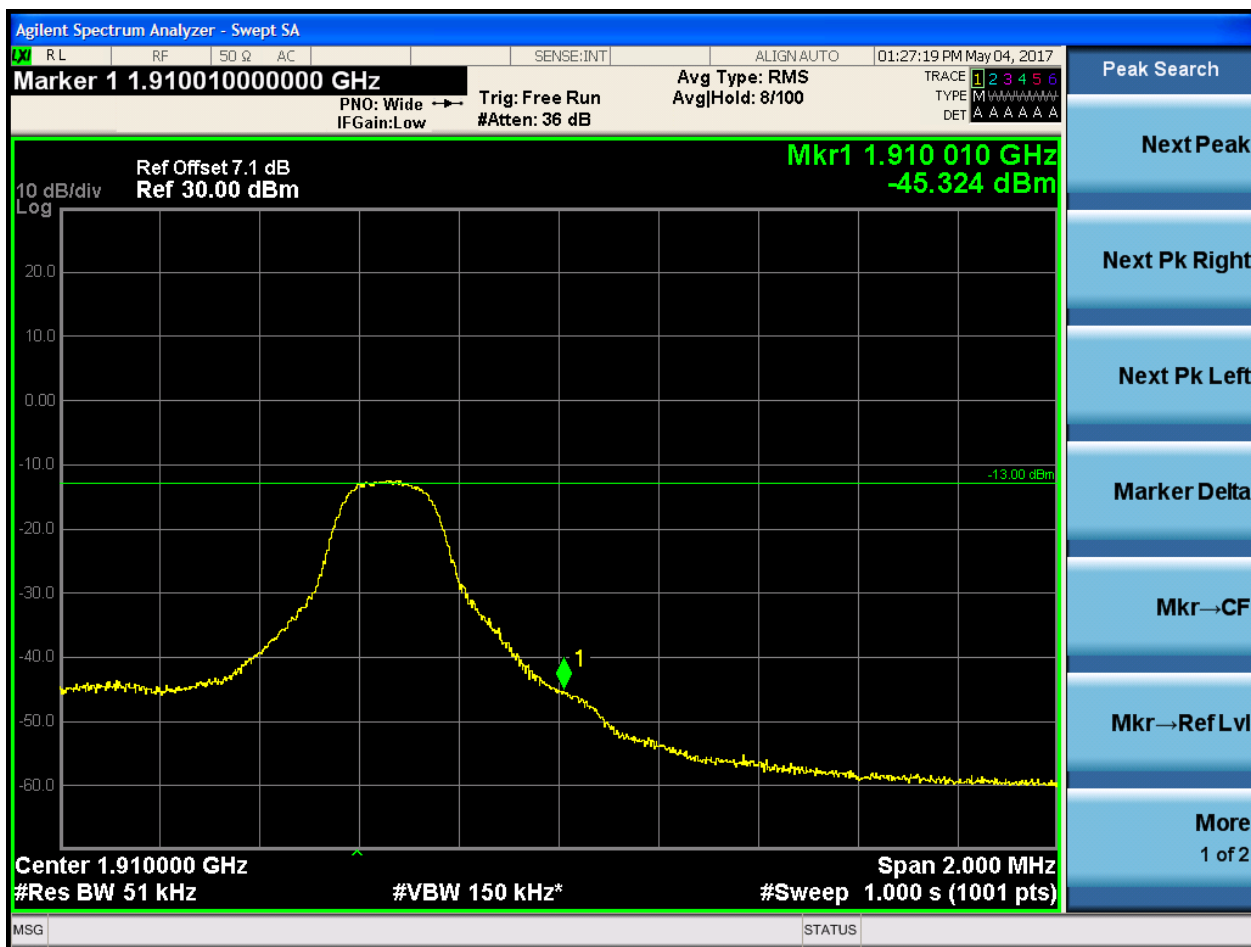
5.1.1.1.3.1.4 Test RB = RB25#0





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

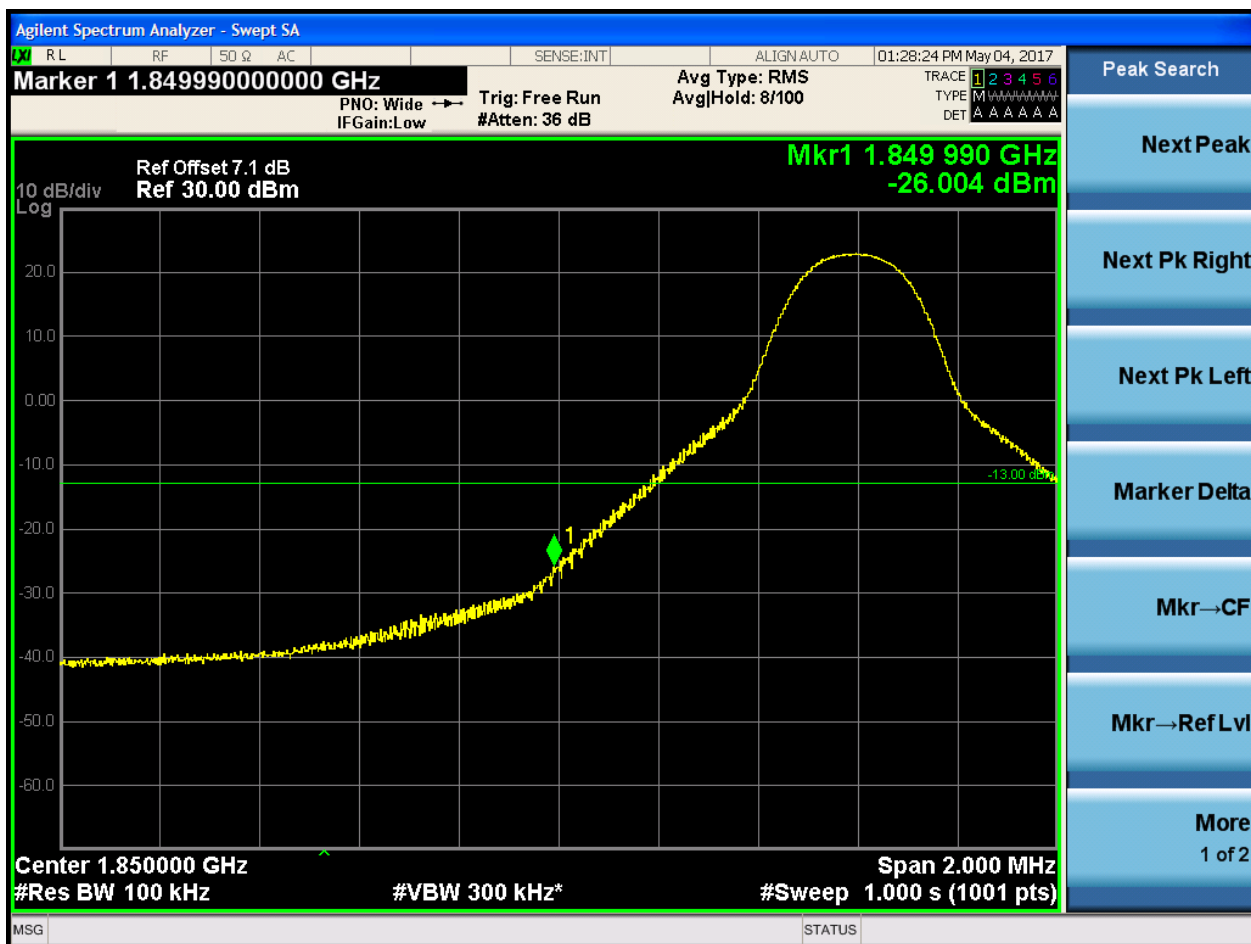




5.1.1.1.4 Test Bandwidth = 10

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





5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0

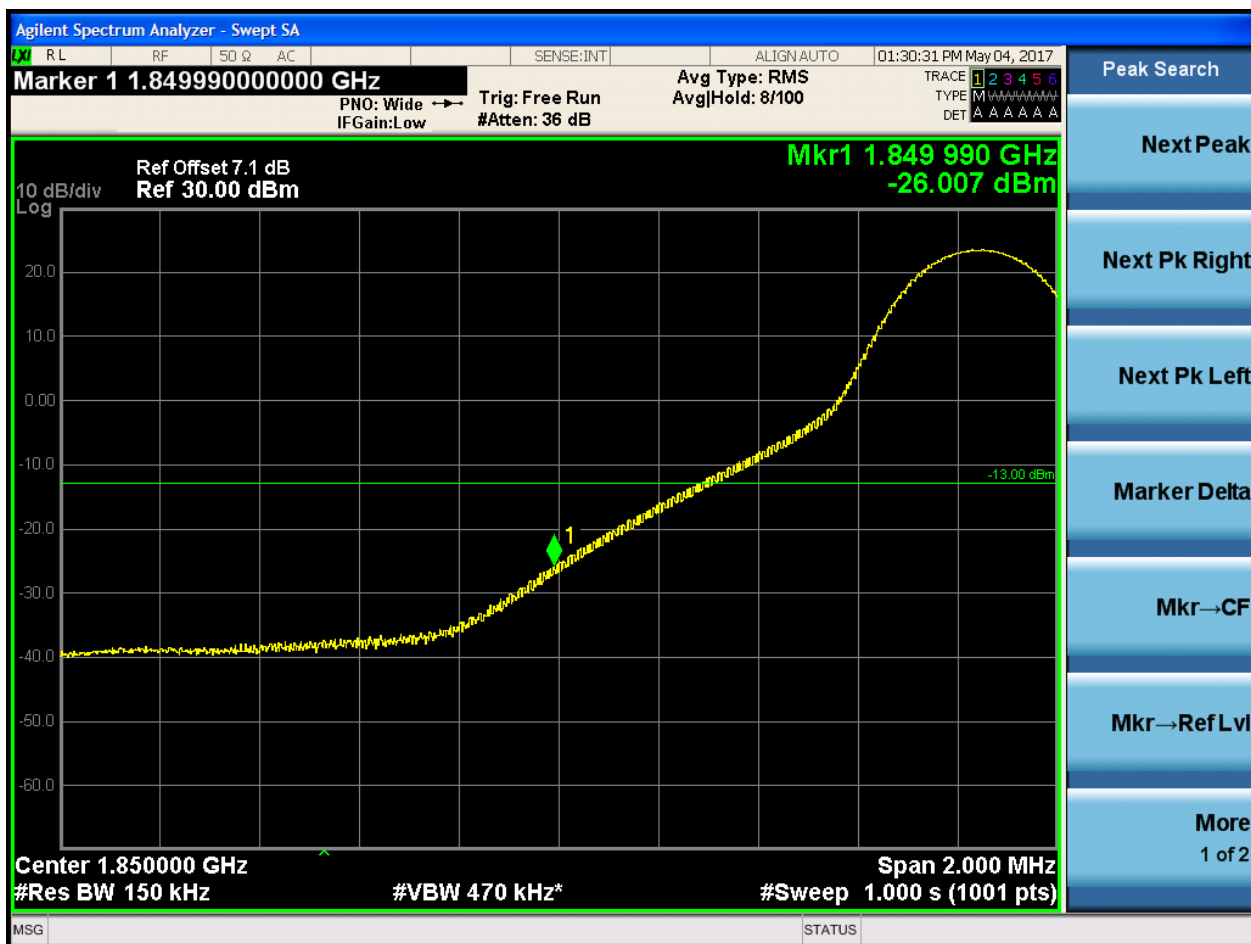




5.1.1.1.5 Test Bandwidth = 15

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





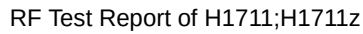
5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0







5.1.1.1.6.1.2 Test RB = RB1#99





5.1.1.1.6.1.3 Test RB = RB50#25





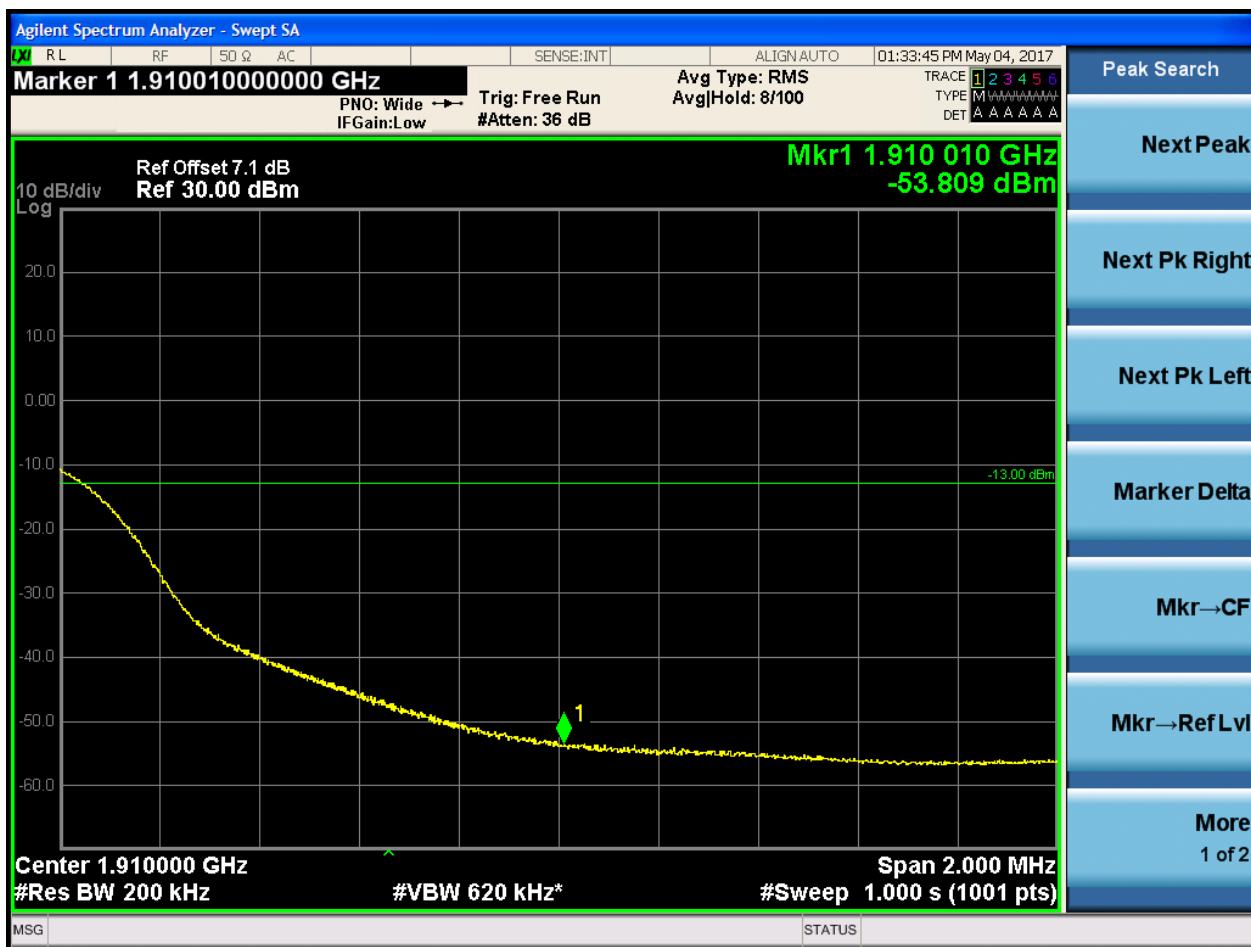
5.1.1.1.6.1.4 Test RB = RB100#0





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



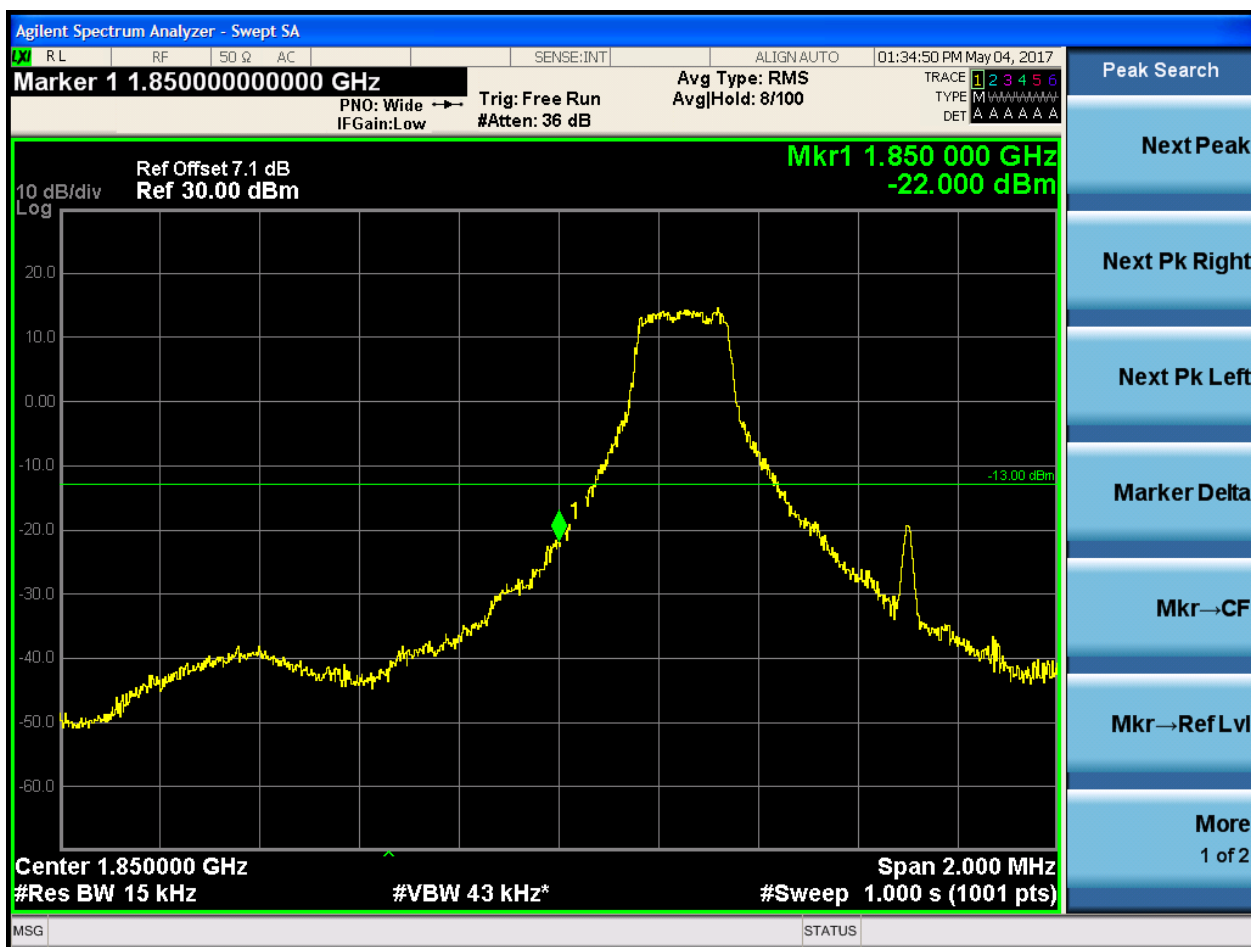


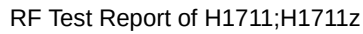
5.1.1.2 Test Mode = LTE/TM2

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:35:04 PM May 04, 2017

Marker 1 1.849350000000 GHz Avg Type: RMS
 PNO: Wide → Trig: 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 1.849 350 GHz
-42.813 dBm

10 dB/div
 Log

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

MSG STATUS

Peak Search

Next Peak

Next Pk Right

Next Pk Left

Marker Delta

Mkr→CF

Mkr→Ref Lvl

More
 1 of 2



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

