



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	22.27	21.27	33	PASS
				RB1#3	22.26	21.26	33	PASS
				RB1#5	22.24	21.24	33	PASS
				RB3#0	22.25	21.25	33	PASS
				RB3#2	22.25	21.25	33	PASS
				RB3#3	22.28	21.28	33	PASS
				RB6#0	21.26	20.26	33	PASS
			MCH	RB1#0	21.87	20.87	33	PASS
				RB1#3	21.89	20.89	33	PASS
				RB1#5	21.86	20.86	33	PASS
				RB3#0	21.96	20.96	33	PASS
				RB3#2	21.97	20.97	33	PASS
				RB3#3	21.94	20.94	33	PASS
				RB6#0	20.87	19.87	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.43	20.43	33	PASS
				RB1#3	21.4	20.4	33	PASS
				RB1#5	21.4	20.4	33	PASS
				RB3#0	21.45	20.45	33	PASS
				RB3#2	21.44	20.44	33	PASS
				RB3#3	21.44	20.44	33	PASS
				RB6#0	20.37	19.37	33	PASS
		3	LCH	RB1#0	22.19	21.19	33	PASS
				RB1#7	22.21	21.21	33	PASS
				RB1#14	22.17	21.17	33	PASS
				RB8#0	21.3	20.3	33	PASS
				RB8#4	21.3	20.3	33	PASS
				RB8#7	21.28	20.28	33	PASS
				RB15#0	21.25	20.25	33	PASS
			MCH	RB1#0	21.87	20.87	33	PASS
				RB1#7	21.91	20.91	33	PASS
				RB1#14	21.85	20.85	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.96	19.96	33	PASS
				RB8#4	20.96	19.96	33	PASS
				RB8#7	20.95	19.95	33	PASS
				RB15#0	20.91	19.91	33	PASS
			HCH	RB1#0	21.45	20.45	33	PASS
				RB1#7	21.46	20.46	33	PASS
				RB1#14	21.39	20.39	33	PASS
				RB8#0	20.43	19.43	33	PASS
				RB8#4	20.45	19.45	33	PASS
				RB8#7	20.43	19.43	33	PASS
				RB15#0	20.39	19.39	33	PASS
		5	LCH	RB1#0	22.34	21.34	33	PASS
				RB1#13	22.32	21.32	33	PASS
				RB1#24	22.25	21.25	33	PASS
				RB12#0	21.29	20.29	33	PASS
				RB12#6	21.25	20.25	33	PASS
				RB12#13	21.25	20.25	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.22	20.22	33	PASS
				RB1#0	22.02	21.02	33	PASS
			MCH	RB1#13	22	21	33	PASS
				RB1#24	21.95	20.95	33	PASS
				RB12#0	20.98	19.98	33	PASS
				RB12#6	20.97	19.97	33	PASS
				RB12#13	20.94	19.94	33	PASS
				RB25#0	20.91	19.91	33	PASS
			HCH	RB1#0	21.54	20.54	33	PASS
				RB1#13	21.49	20.49	33	PASS
				RB1#24	21.4	20.4	33	PASS
				RB12#0	20.5	19.5	33	PASS
				RB12#6	20.47	19.47	33	PASS
				RB12#13	20.42	19.42	33	PASS
				RB25#0	20.43	19.43	33	PASS
		10	LCH	RB1#0	22.29	21.29	33	PASS
				RB1#25	22.22	21.22	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.11	21.11	33	PASS
				RB25#0	21.22	20.22	33	PASS
				RB25#13	21.18	20.18	33	PASS
				RB25#25	21.13	20.13	33	PASS
				RB50#0	21.21	20.21	33	PASS
			MCH	RB1#0	21.99	20.99	33	PASS
				RB1#25	21.94	20.94	33	PASS
				RB1#49	21.89	20.89	33	PASS
				RB25#0	20.93	19.93	33	PASS
				RB25#13	20.9	19.9	33	PASS
				RB25#25	20.89	19.89	33	PASS
				RB50#0	20.9	19.9	33	PASS
			HCH	RB1#0	21.69	20.69	33	PASS
				RB1#25	21.54	20.54	33	PASS
				RB1#49	21.47	20.47	33	PASS
				RB25#0	20.52	19.52	33	PASS
				RB25#13	20.49	19.49	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.44	19.44	33	PASS
				RB50#0	20.51	19.51	33	PASS
		15	LCH	RB1#0	22.28	21.28	33	PASS
				RB1#38	22.15	21.15	33	PASS
				RB1#74	22.1	21.1	33	PASS
				RB38#0	21.26	20.26	33	PASS
				RB38#19	21.18	20.18	33	PASS
				RB38#39	21.15	20.15	33	PASS
				RB75#0	21.18	20.18	33	PASS
			MCH	RB1#0	22.05	21.05	33	PASS
				RB1#38	21.98	20.98	33	PASS
				RB1#74	21.91	20.91	33	PASS
				RB38#0	20.98	19.98	33	PASS
				RB38#19	20.96	19.96	33	PASS
				RB38#39	20.93	19.93	33	PASS
				RB75#0	20.95	19.95	33	PASS
			HCH	RB1#0	21.8	20.8	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	21.66	20.66	33	PASS
				RB1#74	21.5	20.5	33	PASS
				RB38#0	20.67	19.67	33	PASS
				RB38#19	20.59	19.59	33	PASS
				RB38#39	20.51	19.51	33	PASS
				RB75#0	20.6	19.6	33	PASS
		20	LCH	RB1#0	22.32	21.32	33	PASS
				RB1#50	22.16	21.16	33	PASS
				RB1#99	22.07	21.07	33	PASS
				RB50#0	21.21	20.21	33	PASS
				RB50#25	21.1	20.1	33	PASS
				RB50#50	21.06	20.06	33	PASS
				RB100#0	21.11	20.11	33	PASS
			MCH	RB1#0	22.09	21.09	33	PASS
				RB1#50	21.97	20.97	33	PASS
				RB1#99	21.89	20.89	33	PASS
				RB50#0	20.94	19.94	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	20.93	19.93	33	PASS
				RB50#50	20.88	19.88	33	PASS
				RB100#0	20.9	19.9	33	PASS
			HCH	RB1#0	21.87	20.87	33	PASS
				RB1#50	21.69	20.69	33	PASS
				RB1#99	21.54	20.54	33	PASS
				RB50#0	20.7	19.7	33	PASS
				RB50#25	20.61	19.61	33	PASS
				RB50#50	20.55	19.55	33	PASS
				RB100#0	20.63	19.63	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.49	20.49	33	PASS
				RB1#3	21.55	20.55	33	PASS
				RB1#5	21.47	20.47	33	PASS
				RB3#0	21.4	20.4	33	PASS
				RB3#2	21.39	20.39	33	PASS
				RB3#3	21.41	20.41	33	PASS
				RB6#0	20.3	19.3	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.12	20.12	33	PASS
				RB1#3	21.09	20.09	33	PASS
				RB1#5	21.07	20.07	33	PASS
				RB3#0	21.01	20.01	33	PASS
				RB3#2	21.02	20.02	33	PASS
				RB3#3	21.02	20.02	33	PASS
				RB6#0	19.89	18.89	33	PASS
			HCH	RB1#0	20.47	19.47	33	PASS
				RB1#3	20.51	19.51	33	PASS
				RB1#5	20.47	19.47	33	PASS
				RB3#0	20.34	19.34	33	PASS
				RB3#2	20.32	19.32	33	PASS
				RB3#3	20.34	19.34	33	PASS
				RB6#0	19.31	18.31	33	PASS
		3	LCH	RB1#0	21.55	20.55	33	PASS
				RB1#7	21.57	20.57	33	PASS
				RB1#14	21.48	20.48	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.35	19.35	33	PASS
				RB8#4	20.36	19.36	33	PASS
				RB8#7	20.35	19.35	33	PASS
				RB15#0	20.24	19.24	33	PASS
			MCH	RB1#0	21.07	20.07	33	PASS
				RB1#7	21.12	20.12	33	PASS
				RB1#14	21.03	20.03	33	PASS
				RB8#0	20.04	19.04	33	PASS
				RB8#4	20.04	19.04	33	PASS
				RB8#7	20.05	19.05	33	PASS
				RB15#0	19.99	18.99	33	PASS
			HCH	RB1#0	20.51	19.51	33	PASS
				RB1#7	20.52	19.52	33	PASS
				RB1#14	20.45	19.45	33	PASS
				RB8#0	19.53	18.53	33	PASS
				RB8#4	19.53	18.53	33	PASS
				RB8#7	19.48	18.48	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		5	LCH	RB15#0	19.42	18.42	33	PASS
				RB1#0	21.48	20.48	33	PASS
				RB1#13	21.45	20.45	33	PASS
				RB1#24	21.41	20.41	33	PASS
				RB12#0	20.26	19.26	33	PASS
				RB12#6	20.23	19.23	33	PASS
				RB12#13	20.23	19.23	33	PASS
				RB25#0	20.15	19.15	33	PASS
			MCH	RB1#0	21.01	20.01	33	PASS
				RB1#13	20.99	19.99	33	PASS
				RB1#24	20.93	19.93	33	PASS
				RB12#0	19.93	18.93	33	PASS
				RB12#6	19.94	18.94	33	PASS
				RB12#13	19.89	18.89	33	PASS
				RB25#0	19.93	18.93	33	PASS
			HCH	RB1#0	21.09	20.09	33	PASS
				RB1#13	21	20	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	20.9	19.9	33	PASS
				RB12#0	19.53	18.53	33	PASS
				RB12#6	19.51	18.51	33	PASS
				RB12#13	19.47	18.47	33	PASS
				RB25#0	19.46	18.46	33	PASS
		10	LCH	RB1#0	21.67	20.67	33	PASS
				RB1#25	21.59	20.59	33	PASS
				RB1#49	21.48	20.48	33	PASS
				RB25#0	20.15	19.15	33	PASS
				RB25#13	20.13	19.13	33	PASS
				RB25#25	20.12	19.12	33	PASS
				RB50#0	20.18	19.18	33	PASS
			MCH	RB1#0	21.16	20.16	33	PASS
				RB1#25	21.13	20.13	33	PASS
				RB1#49	21.03	20.03	33	PASS
				RB25#0	19.94	18.94	33	PASS
				RB25#13	19.93	18.93	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	19.9	18.9	33	PASS
				RB50#0	19.96	18.96	33	PASS
			HCH	RB1#0	20.72	19.72	33	PASS
				RB1#25	20.62	19.62	33	PASS
				RB1#49	20.49	19.49	33	PASS
				RB25#0	19.63	18.63	33	PASS
				RB25#13	19.59	18.59	33	PASS
				RB25#25	19.54	18.54	33	PASS
				RB50#0	19.51	18.51	33	PASS
		15	LCH	RB1#0	21.65	20.65	33	PASS
				RB1#38	21.5	20.5	33	PASS
				RB1#74	21.44	20.44	33	PASS
				RB38#0	20.22	19.22	33	PASS
				RB38#19	20.18	19.18	33	PASS
				RB38#39	20.18	19.18	33	PASS
				RB75#0	20.17	19.17	33	PASS
			MCH	RB1#0	21.14	20.14	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	21.05	20.05	33	PASS
				RB1#74	20.95	19.95	33	PASS
				RB38#0	19.93	18.93	33	PASS
				RB38#19	19.93	18.93	33	PASS
				RB38#39	19.86	18.86	33	PASS
				RB75#0	19.94	18.94	33	PASS
			HCH	RB1#0	20.81	19.81	33	PASS
				RB1#38	20.7	19.7	33	PASS
				RB1#74	20.54	19.54	33	PASS
				RB38#0	19.71	18.71	33	PASS
				RB38#19	19.62	18.62	33	PASS
				RB38#39	19.56	18.56	33	PASS
				RB75#0	19.62	18.62	33	PASS
		20	LCH	RB1#0	21.85	20.85	33	PASS
				RB1#50	21.69	20.69	33	PASS
				RB1#99	21.58	20.58	33	PASS
				RB50#0	20.16	19.16	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	20.14	19.14	33	PASS
				RB50#50	20.08	19.08	33	PASS
				RB100#0	20.15	19.15	33	PASS
			MCH	RB1#0	21.31	20.31	33	PASS
				RB1#50	21.22	20.22	33	PASS
				RB1#99	21.09	20.09	33	PASS
				RB50#0	19.96	18.96	33	PASS
				RB50#25	19.94	18.94	33	PASS
				RB50#50	19.88	18.88	33	PASS
				RB100#0	19.94	18.94	33	PASS
			HCH	RB1#0	20.95	19.95	33	PASS
				RB1#50	20.82	19.82	33	PASS
				RB1#99	20.59	19.59	33	PASS
				RB50#0	19.7	18.7	33	PASS
				RB50#25	19.66	18.66	33	PASS
				RB50#50	19.57	18.57	33	PASS
				RB100#0	19.64	18.64	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:

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

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

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

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	3.42	13	PASS
				RB1#3	3.49	13	PASS
				RB1#5	3.49	13	PASS
				RB3#0	4.08	13	PASS
				RB3#2	3.98	13	PASS
				RB3#3	4.15	13	PASS
				RB6#0	5.88	13	PASS
			MCH	RB1#0	3.69	13	PASS
				RB1#3	3.76	13	PASS
				RB1#5	3.73	13	PASS
				RB3#0	4.41	13	PASS
				RB3#2	4.38	13	PASS
				RB3#3	4.48	13	PASS
				RB6#0	6.2	13	PASS
			HCH	RB1#0	4.16	13	PASS
				RB1#3	4.17	13	PASS
				RB1#5	4.18	13	PASS
				RB3#0	4.68	13	PASS
				RB3#2	4.65	13	PASS
				RB3#3	4.78	13	PASS
				RB6#0	5.99	13	PASS
		3	LCH	RB1#0	3.59	13	PASS
				RB1#7	3.62	13	PASS
				RB1#14	3.72	13	PASS
				RB8#0	5.32	13	PASS
				RB8#4	5.28	13	PASS
				RB8#7	5.45	13	PASS
				RB15#0	5.59	13	PASS
			MCH	RB1#0	3.92	13	PASS
				RB1#7	3.88	13	PASS
				RB1#14	3.93	13	PASS
				RB8#0	5.34	13	PASS
				RB8#4	5.39	13	PASS
				RB8#7	5.57	13	PASS
				RB15#0	5.76	13	PASS
			HCH	RB1#0	4.11	13	PASS
				RB1#7	4.12	13	PASS
				RB1#14	4.19	13	PASS
				RB8#0	5.81	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#4	5.84	13	PASS
				RB8#7	5.97	13	PASS
				RB15#0	6.1	13	PASS
			LCH	RB1#0	3.61	13	PASS
				RB1#13	3.72	13	PASS
				RB1#24	3.89	13	PASS
				RB12#0	5.2	13	PASS
				RB12#6	5.07	13	PASS
				RB12#13	5.35	13	PASS
				RB25#0	5.69	13	PASS
			MCH	RB1#0	3.9	13	PASS
				RB1#13	3.9	13	PASS
				RB1#24	3.94	13	PASS
				RB12#0	5.41	13	PASS
				RB12#6	5.29	13	PASS
				RB12#13	5.42	13	PASS
				RB25#0	5.88	13	PASS
			HCH	RB1#0	4.23	13	PASS
				RB1#13	4.22	13	PASS
				RB1#24	4.32	13	PASS
				RB12#0	6.03	13	PASS
				RB12#6	5.85	13	PASS
				RB12#13	6.02	13	PASS
				RB25#0	5.99	13	PASS
		10	LCH	RB1#0	3.58	13	PASS
				RB1#25	3.87	13	PASS
				RB1#49	4.15	13	PASS
				RB25#0	5.29	13	PASS
				RB25#13	5.4	13	PASS
				RB25#25	5.6	13	PASS
				RB50#0	5.89	13	PASS
			MCH	RB1#0	3.98	13	PASS
				RB1#25	3.87	13	PASS
				RB1#49	3.97	13	PASS
				RB25#0	5.42	13	PASS
				RB25#13	5.3	13	PASS
				RB25#25	5.37	13	PASS
				RB50#0	5.9	13	PASS
			HCH	RB1#0	4.23	13	PASS
				RB1#25	4.08	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.18	13	PASS
				RB25#0	5.81	13	PASS
				RB25#13	5.76	13	PASS
				RB25#25	5.8	13	PASS
				RB50#0	6	13	PASS
			LCH	RB1#0	3.58	13	PASS
				RB1#38	4.04	13	PASS
				RB1#74	4.33	13	PASS
				RB38#0	5.48	13	PASS
				RB38#19	5.67	13	PASS
				RB38#39	5.98	13	PASS
				RB75#0	6.41	13	PASS
		MCH		RB1#0	4.07	13	PASS
				RB1#38	3.86	13	PASS
				RB1#74	4.06	13	PASS
				RB38#0	5.54	13	PASS
				RB38#19	5.4	13	PASS
				RB38#39	5.62	13	PASS
				RB75#0	6.28	13	PASS
		HCH		RB1#0	4.33	13	PASS
				RB1#38	4.19	13	PASS
				RB1#74	4.22	13	PASS
				RB38#0	5.8	13	PASS
				RB38#19	5.66	13	PASS
				RB38#39	5.62	13	PASS
				RB75#0	6.27	13	PASS
		20	LCH	RB1#0	3.68	13	PASS
				RB1#50	4.36	13	PASS
				RB1#99	4.48	13	PASS
				RB50#0	5.74	13	PASS
				RB50#25	6	13	PASS
				RB50#50	6.14	13	PASS
				RB100#0	6.07	13	PASS
			MCH	RB1#0	4.33	13	PASS
				RB1#50	4.02	13	PASS
				RB1#99	4.34	13	PASS
				RB50#0	5.8	13	PASS
				RB50#25	5.62	13	PASS
				RB50#50	5.75	13	PASS
				RB100#0	5.96	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
	LTE/TM2		HCH	RB1#0	4.43	13	PASS
				RB1#50	4.39	13	PASS
				RB1#99	4.33	13	PASS
				RB50#0	6	13	PASS
				RB50#25	5.88	13	PASS
				RB50#50	5.82	13	PASS
				RB100#0	6.35	13	PASS
		1.4	LCH	RB1#0	4.54	13	PASS
				RB1#3	4.57	13	PASS
				RB1#5	4.58	13	PASS
				RB3#0	4.91	13	PASS
				RB3#2	4.88	13	PASS
				RB3#3	5.02	13	PASS
				RB6#0	5.87	13	PASS
			MCH	RB1#0	4.88	13	PASS
				RB1#3	4.89	13	PASS
				RB1#5	4.9	13	PASS
				RB3#0	5.29	13	PASS
				RB3#2	5.21	13	PASS
				RB3#3	5.37	13	PASS
				RB6#0	6.06	13	PASS
			HCH	RB1#0	5.18	13	PASS
				RB1#3	5.14	13	PASS
				RB1#5	5.17	13	PASS
				RB3#0	5.34	13	PASS
				RB3#2	5.3	13	PASS
				RB3#3	5.39	13	PASS
				RB6#0	6.24	13	PASS
		3	LCH	RB1#0	4.47	13	PASS
				RB1#7	4.52	13	PASS
				RB1#14	4.67	13	PASS
				RB8#0	5.84	13	PASS
				RB8#4	5.76	13	PASS
				RB8#7	5.94	13	PASS
				RB15#0	6.4	13	PASS
			MCH	RB1#0	4.89	13	PASS
				RB1#7	4.85	13	PASS
				RB1#14	4.95	13	PASS
				RB8#0	6.13	13	PASS
				RB8#4	6.04	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	6.15	13	PASS
				RB15#0	6.6	13	PASS
			HCH	RB1#0	5	13	PASS
				RB1#7	5.04	13	PASS
				RB1#14	5.09	13	PASS
				RB8#0	5.97	13	PASS
				RB8#4	6.04	13	PASS
				RB8#7	6.09	13	PASS
				RB15#0	6.21	13	PASS
		5	LCH	RB1#0	4.66	13	PASS
				RB1#13	4.77	13	PASS
				RB1#24	4.92	13	PASS
				RB12#0	5.94	13	PASS
				RB12#6	5.94	13	PASS
				RB12#13	6.17	13	PASS
				RB25#0	6.93	13	PASS
			MCH	RB1#0	4.96	13	PASS
				RB1#13	4.95	13	PASS
				RB1#24	4.98	13	PASS
				RB12#0	6.06	13	PASS
				RB12#6	6.04	13	PASS
				RB12#13	6.19	13	PASS
				RB25#0	6.8	13	PASS
			HCH	RB1#0	4.4	13	PASS
				RB1#13	4.4	13	PASS
				RB1#24	4.49	13	PASS
				RB12#0	6.44	13	PASS
				RB12#6	6.4	13	PASS
				RB12#13	6.52	13	PASS
				RB25#0	6.92	13	PASS
		10	LCH	RB1#0	4.78	13	PASS
				RB1#25	5.09	13	PASS
				RB1#49	5.37	13	PASS
				RB25#0	6.43	13	PASS
				RB25#13	6.53	13	PASS
				RB25#25	6.84	13	PASS
				RB50#0	6.83	13	PASS
			MCH	RB1#0	5.22	13	PASS
				RB1#25	5.09	13	PASS
				RB1#49	5.23	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.64	13	PASS
				RB25#13	6.55	13	PASS
				RB25#25	6.73	13	PASS
				RB50#0	6.94	13	PASS
			HCH	RB1#0	5.28	13	PASS
				RB1#25	5.16	13	PASS
				RB1#49	5.25	13	PASS
				RB25#0	6.93	13	PASS
				RB25#13	6.74	13	PASS
				RB25#25	6.84	13	PASS
				RB50#0	6.89	13	PASS
		15	LCH	RB1#0	4.8	13	PASS
				RB1#38	5.25	13	PASS
				RB1#74	5.56	13	PASS
				RB38#0	6.55	13	PASS
				RB38#19	6.76	13	PASS
				RB38#39	7.06	13	PASS
				RB75#0	6.95	13	PASS
			MCH	RB1#0	5.33	13	PASS
				RB1#38	5.11	13	PASS
				RB1#74	5.32	13	PASS
				RB38#0	6.71	13	PASS
				RB38#19	6.48	13	PASS
				RB38#39	6.7	13	PASS
				RB75#0	6.89	13	PASS
			HCH	RB1#0	5.33	13	PASS
				RB1#38	5.18	13	PASS
				RB1#74	5.24	13	PASS
				RB38#0	6.97	13	PASS
				RB38#19	6.78	13	PASS
				RB38#39	6.79	13	PASS
				RB75#0	7.07	13	PASS
		20	LCH	RB1#0	3.92	13	PASS
				RB1#50	4.39	13	PASS
				RB1#99	4.49	13	PASS
				RB50#0	6.52	13	PASS
				RB50#25	6.91	13	PASS
				RB50#50	7.16	13	PASS
				RB100#0	7.35	13	PASS
			MCH	RB1#0	4.39	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	4.12	13	PASS
				RB1#99	4.38	13	PASS
				RB50#0	6.78	13	PASS
				RB50#25	6.46	13	PASS
				RB50#50	6.72	13	PASS
				RB100#0	7.13	13	PASS
			HCH	RB1#0	5.11	13	PASS
				RB1#50	5.05	13	PASS
				RB1#99	5.02	13	PASS
				RB50#0	6.97	13	PASS
				RB50#25	6.79	13	PASS
				RB50#50	6.75	13	PASS
				RB100#0	7.16	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

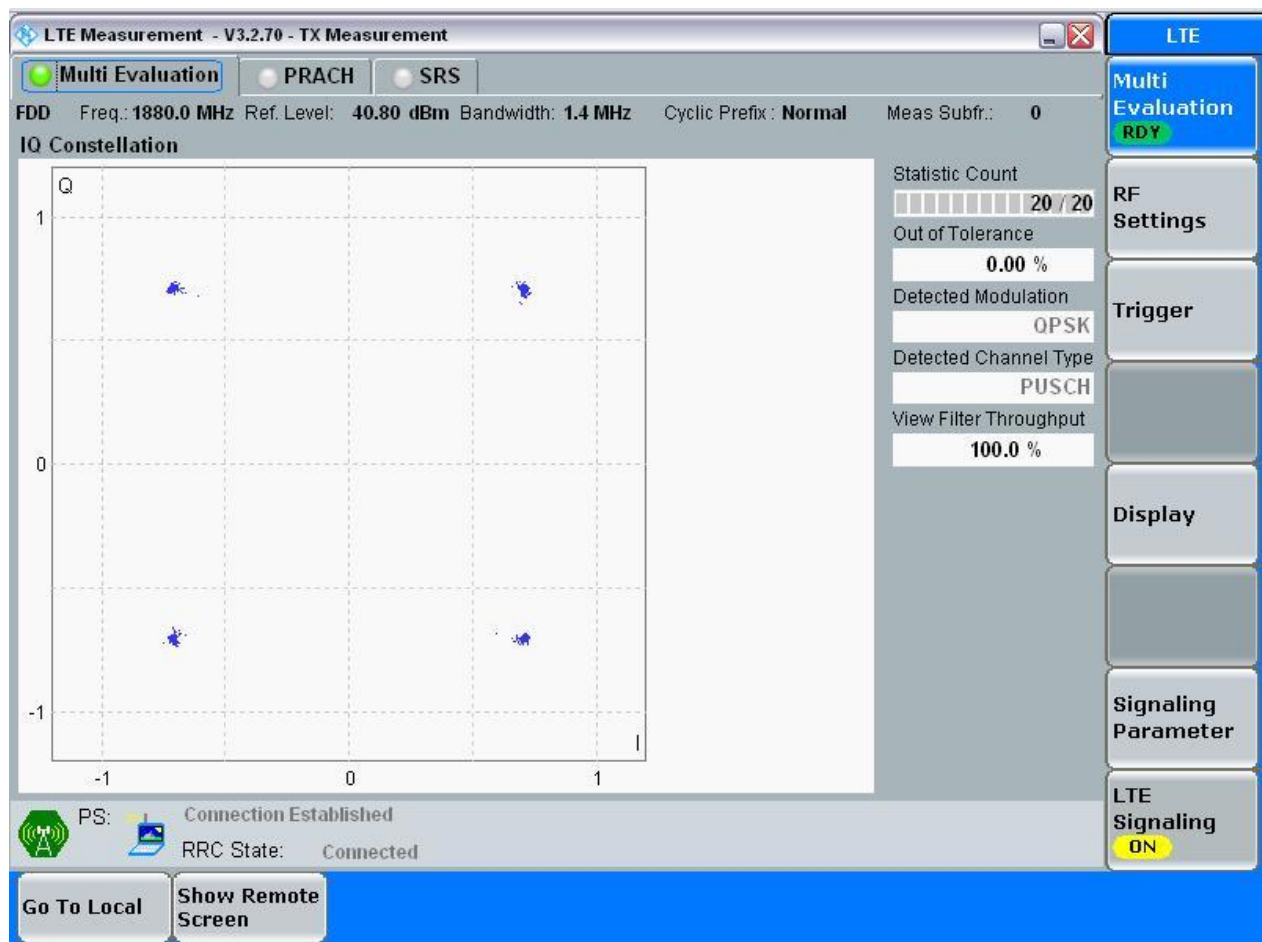
3.1.1 Test Band = BAND2

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

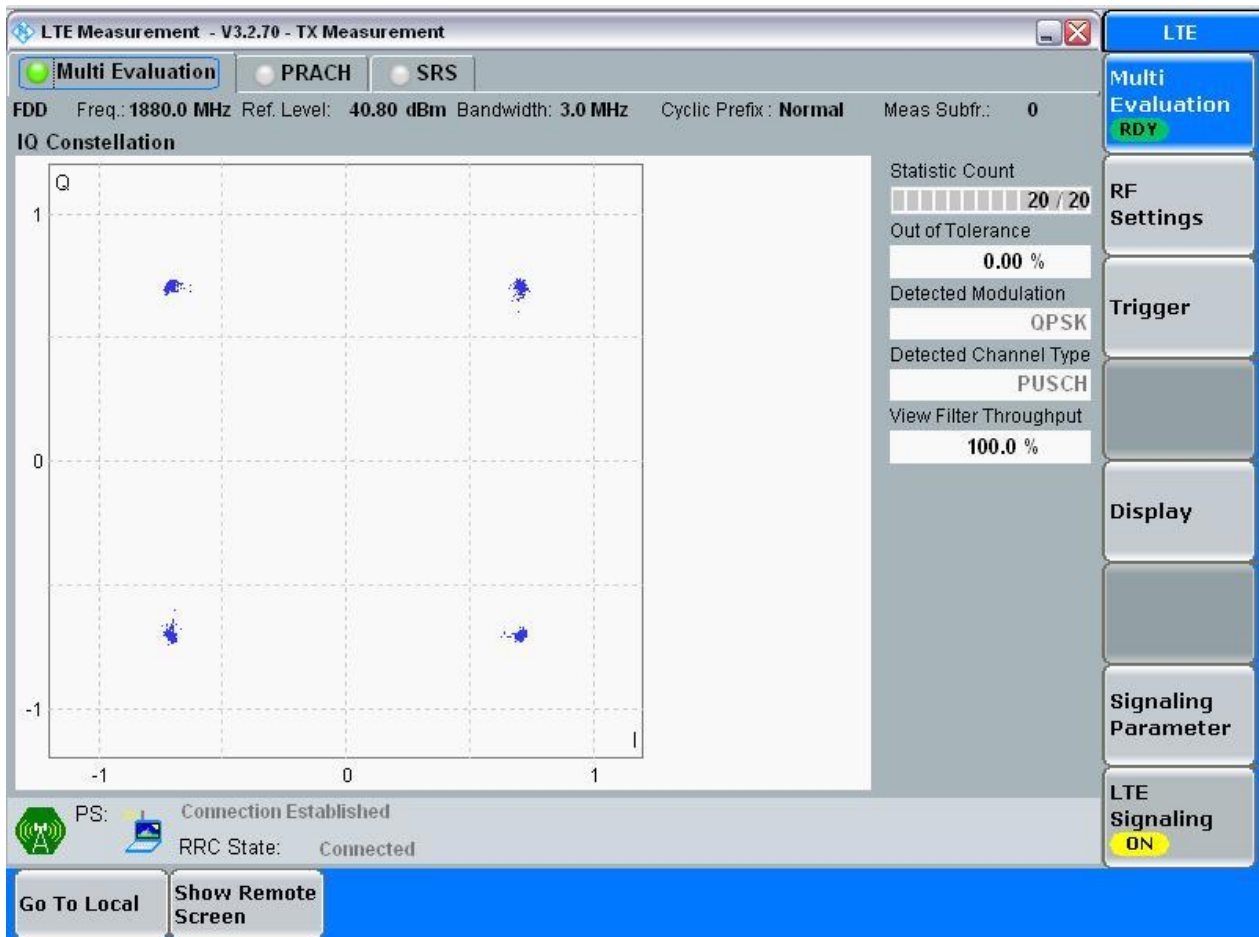
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.2.1.2 Test Bandwidth = 3

3.1.2.1.2.1 Test Channel = MCH

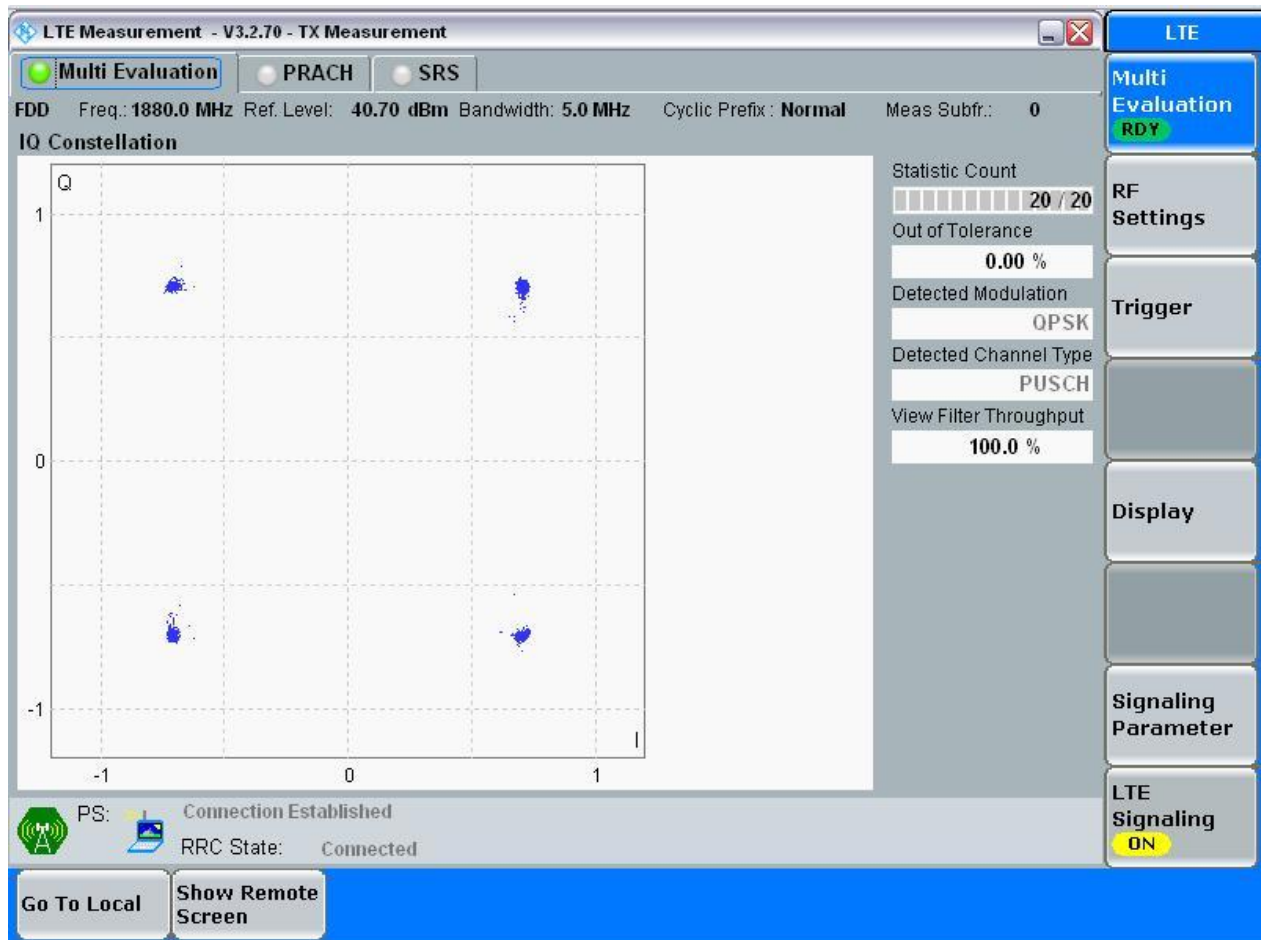
3.1.2.1.2.1.1 Test RB = RB15#0



3.1.2.1.3 Test Bandwidth = 5

3.1.2.1.3.1 Test Channel = MCH

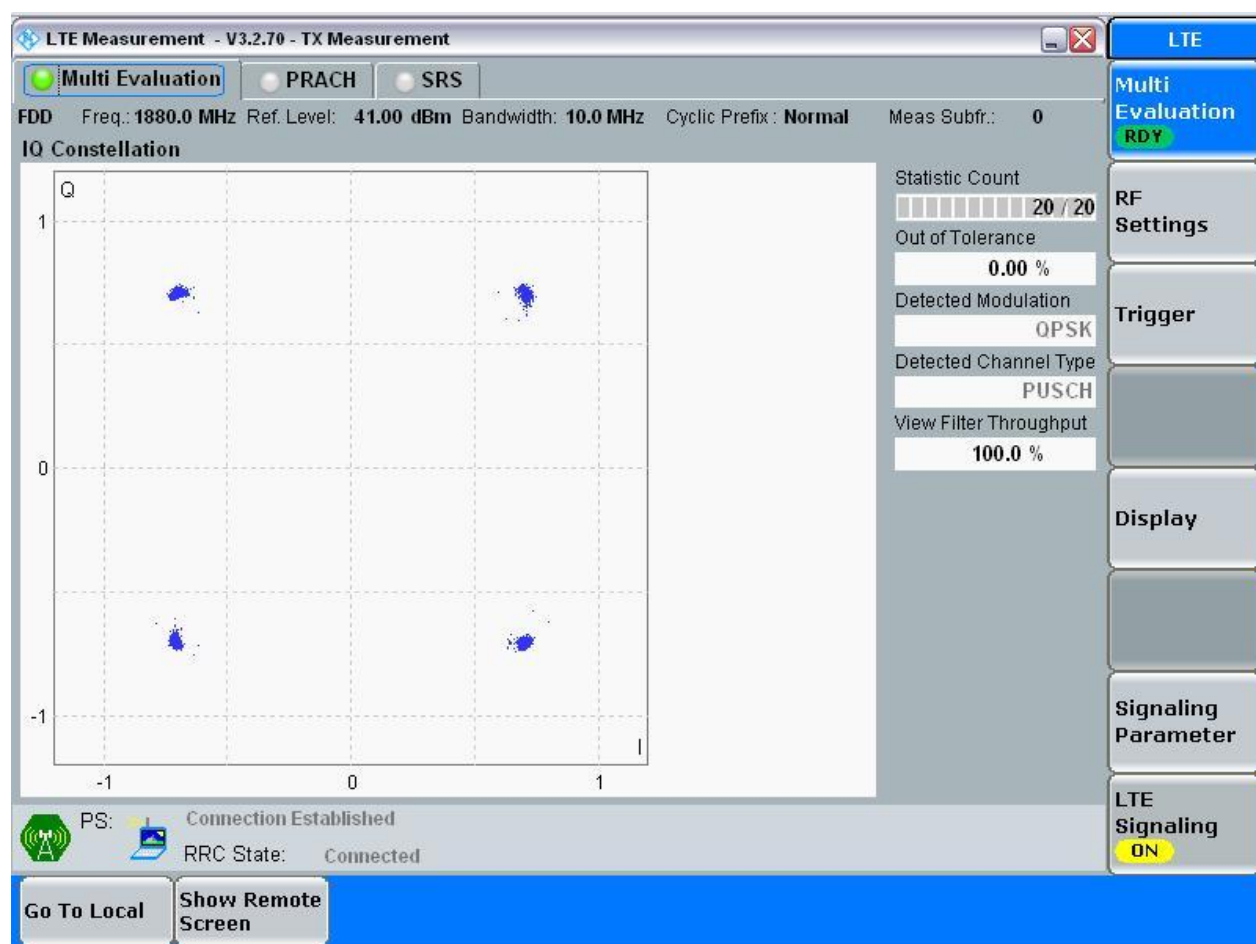
3.1.2.1.3.1.1 Test RB = RB25#0



3.1.2.1.4 Test Bandwidth = 10

3.1.2.1.4.1 Test Channel = MCH

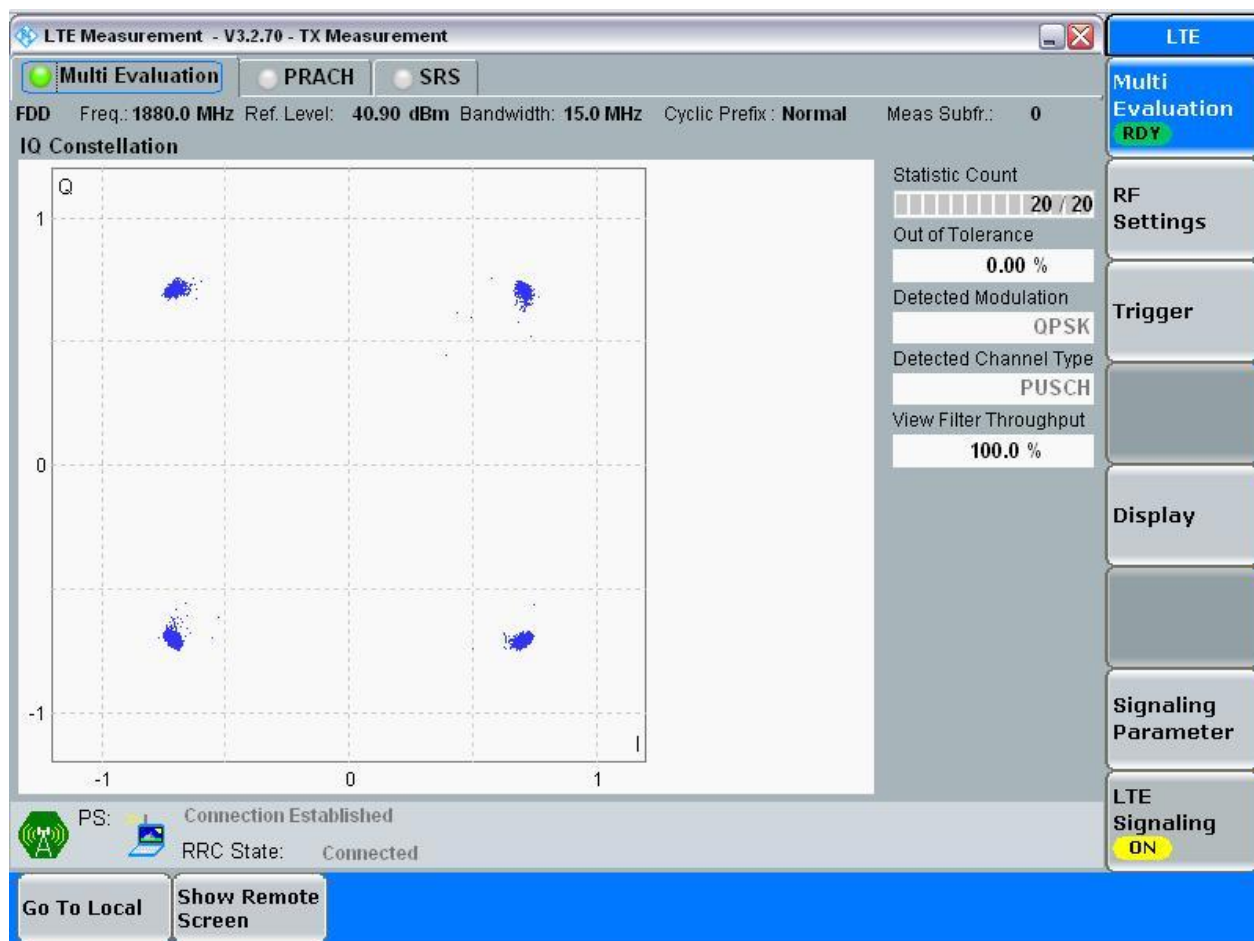
3.1.2.1.4.1.1 Test RB = RB50#0



3.1.2.1.5 Test Bandwidth = 15

3.1.2.1.5.1 Test Channel = MCH

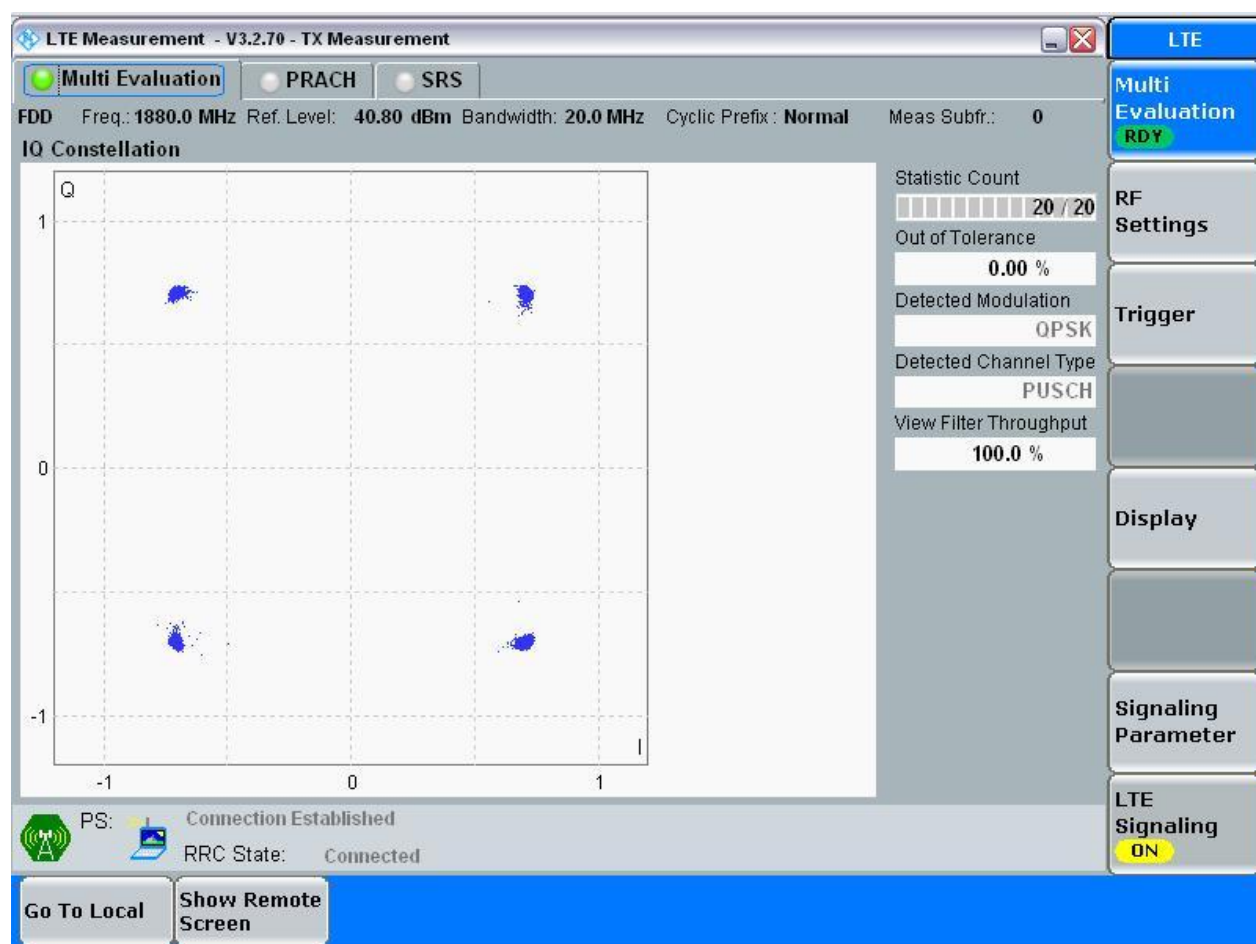
3.1.2.1.5.1.1 Test RB = RB75#0



3.1.2.1.6 Test Bandwidth = 20

3.1.2.1.6.1 Test Channel = MCH

3.1.2.1.6.1.1 Test RB = RB100#0

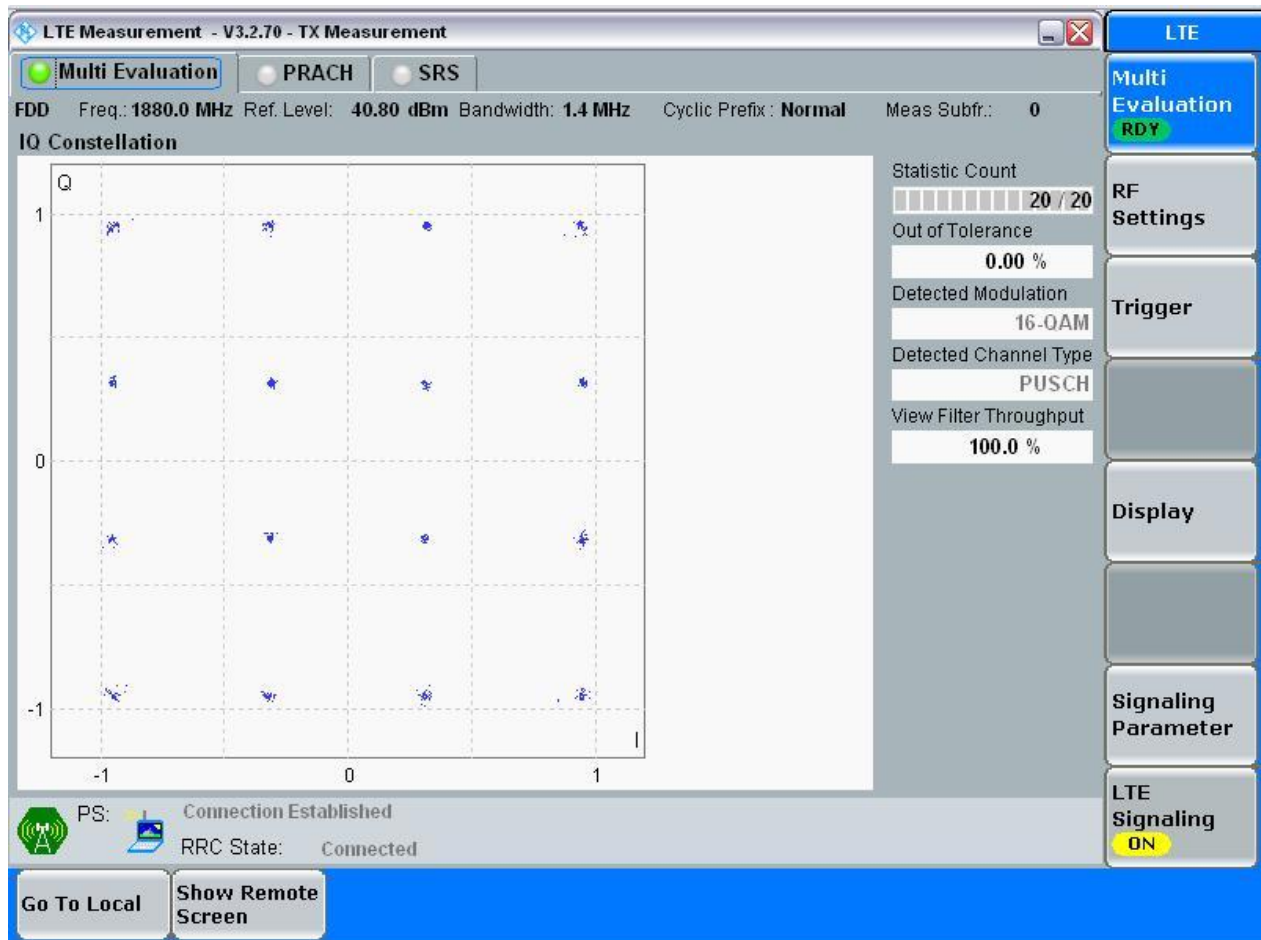


3.1.2.2 Test Mode = LTE/TM2

3.1.2.2.1 Test Bandwidth = 1.4

3.1.2.2.1.1 Test Channel = MCH

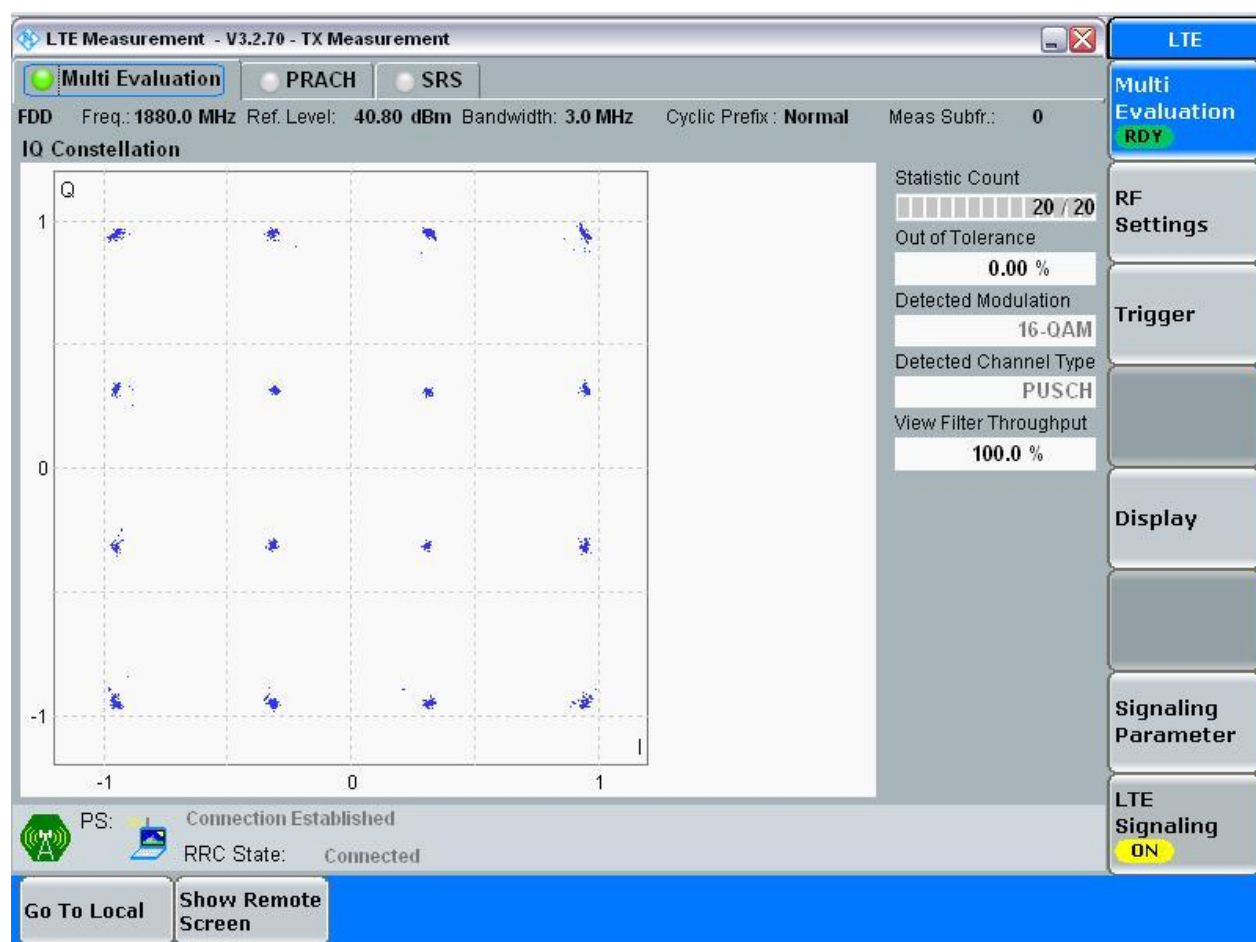
3.1.2.2.1.1.1 Test RB = RB6#0



3.1.2.2.2 Test Bandwidth = 3

3.1.2.2.2.1 Test Channel = MCH

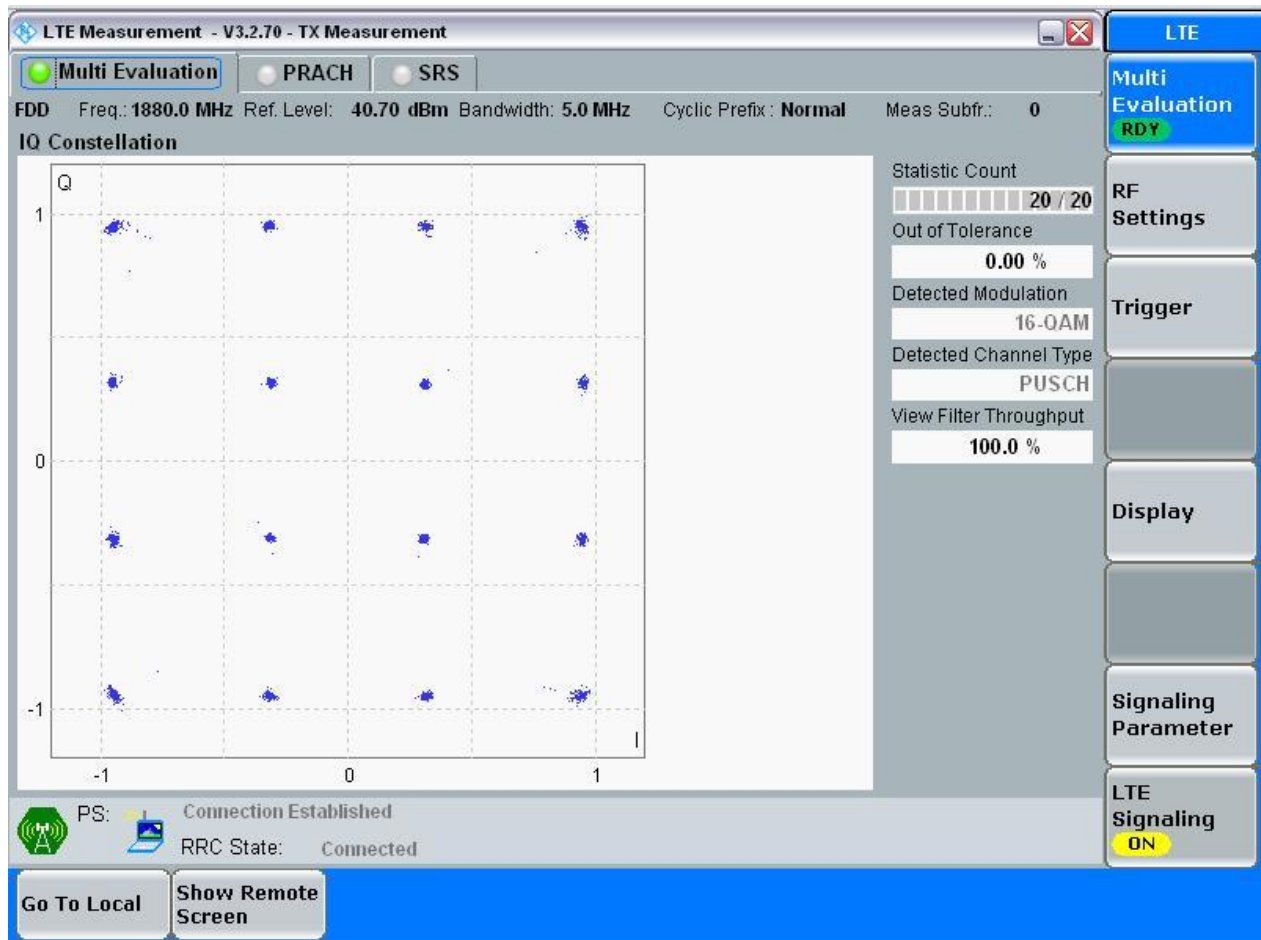
3.1.2.2.2.1.1 Test RB = RB15#0



3.1.2.2.3 Test Bandwidth = 5

3.1.2.2.3.1 Test Channel = MCH

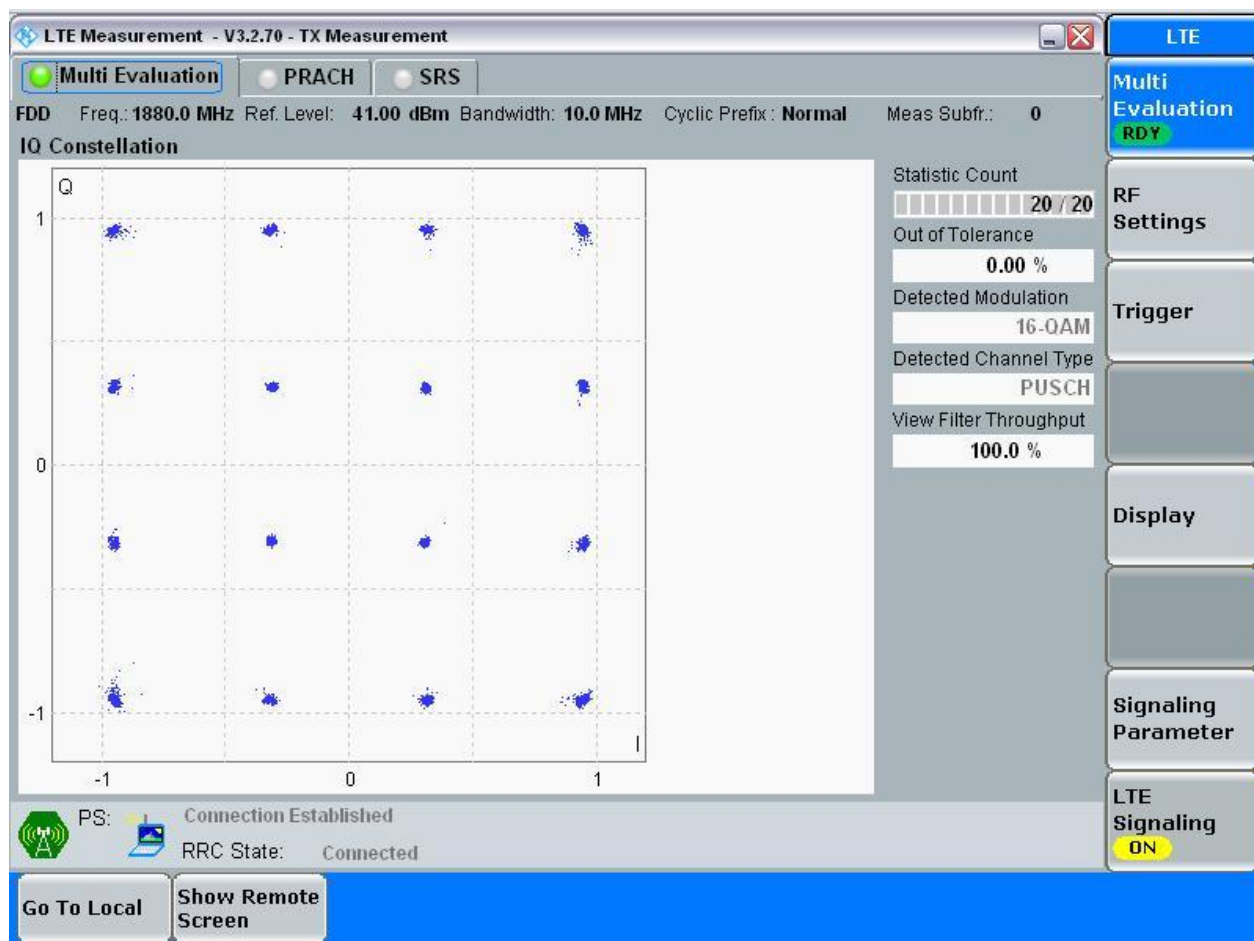
3.1.2.2.3.1.1 Test RB = RB25#0



3.1.2.2.4 Test Bandwidth = 10

3.1.2.2.4.1 Test Channel = MCH

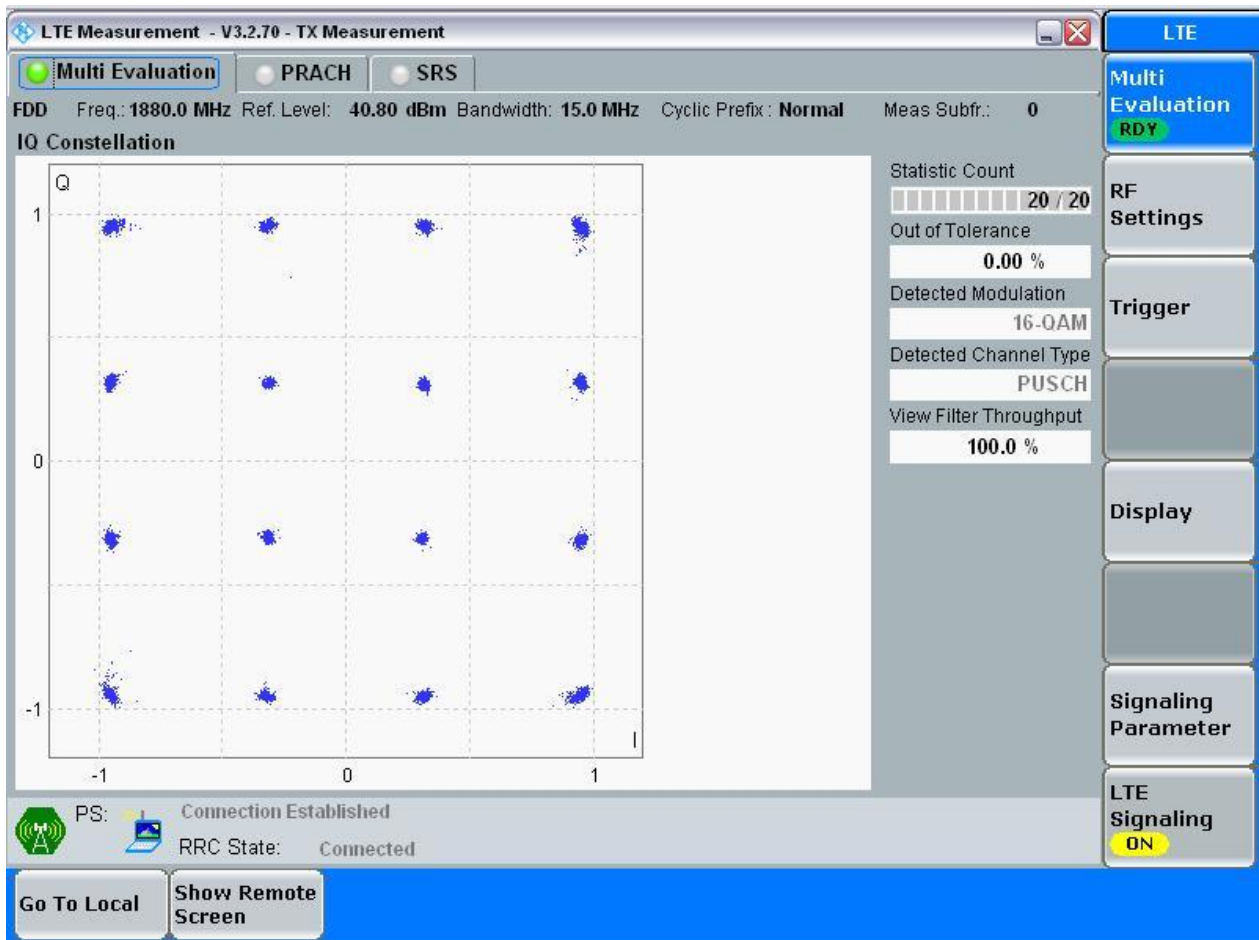
3.1.2.2.4.1.1 Test RB = RB50#0



3.1.2.2.5 Test Bandwidth = 15

3.1.2.2.5.1 Test Channel = MCH

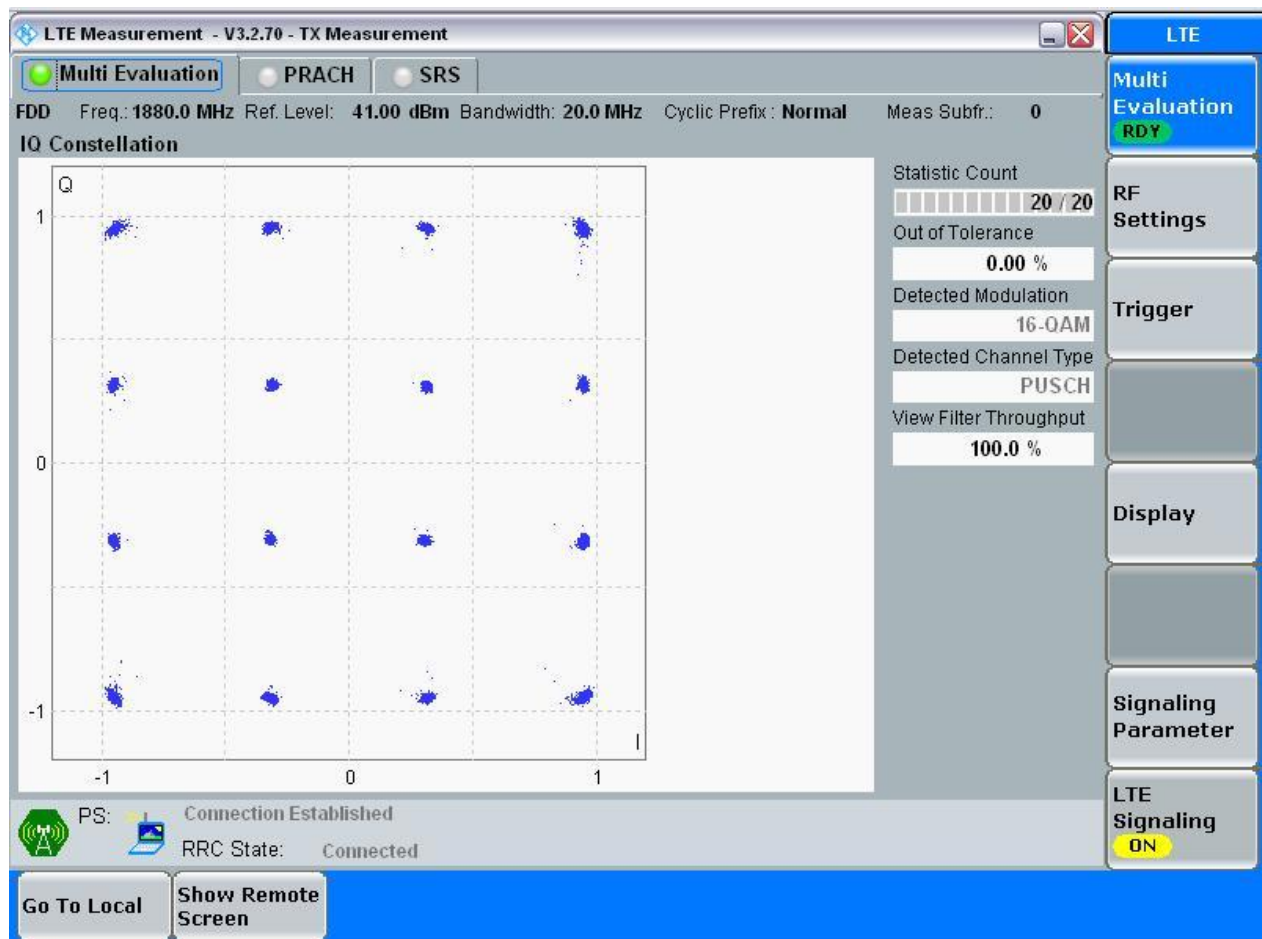
3.1.2.2.5.1.1 Test RB = RB75#0



3.1.2.2.6 Test Bandwidth = 20

3.1.2.2.6.1 Test Channel = MCH

3.1.2.2.6.1.1 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	1.27	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.97	Pass
			MCH	RB15#0	2.70	2.97	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.53	5.04	Pass
			MCH	RB25#0	4.52	5.03	Pass
			HCH	RB25#0	4.52	5.02	Pass
		10	LCH	RB50#0	8.99	9.96	Pass
			MCH	RB50#0	9.00	9.98	Pass
			HCH	RB50#0	8.98	9.96	Pass
		15	LCH	RB75#0	13.50	15.01	Pass
			MCH	RB75#0	13.50	14.97	Pass
			HCH	RB75#0	13.49	14.87	Pass
		20	LCH	RB100#0	18.00	19.59	Pass
			MCH	RB100#0	17.96	19.54	Pass
			HCH	RB100#0	18.00	19.66	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.28	Pass
			MCH	RB6#0	1.10	1.28	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.97	Pass
			MCH	RB15#0	2.70	2.99	Pass
			HCH	RB15#0	2.70	2.98	Pass
		5	LCH	RB25#0	4.53	5.08	Pass
			MCH	RB25#0	4.53	5.09	Pass
			HCH	RB25#0	4.53	5.09	Pass
		10	LCH	RB50#0	8.99	9.95	Pass
			MCH	RB50#0	9.01	9.98	Pass
			HCH	RB50#0	9.00	9.95	Pass

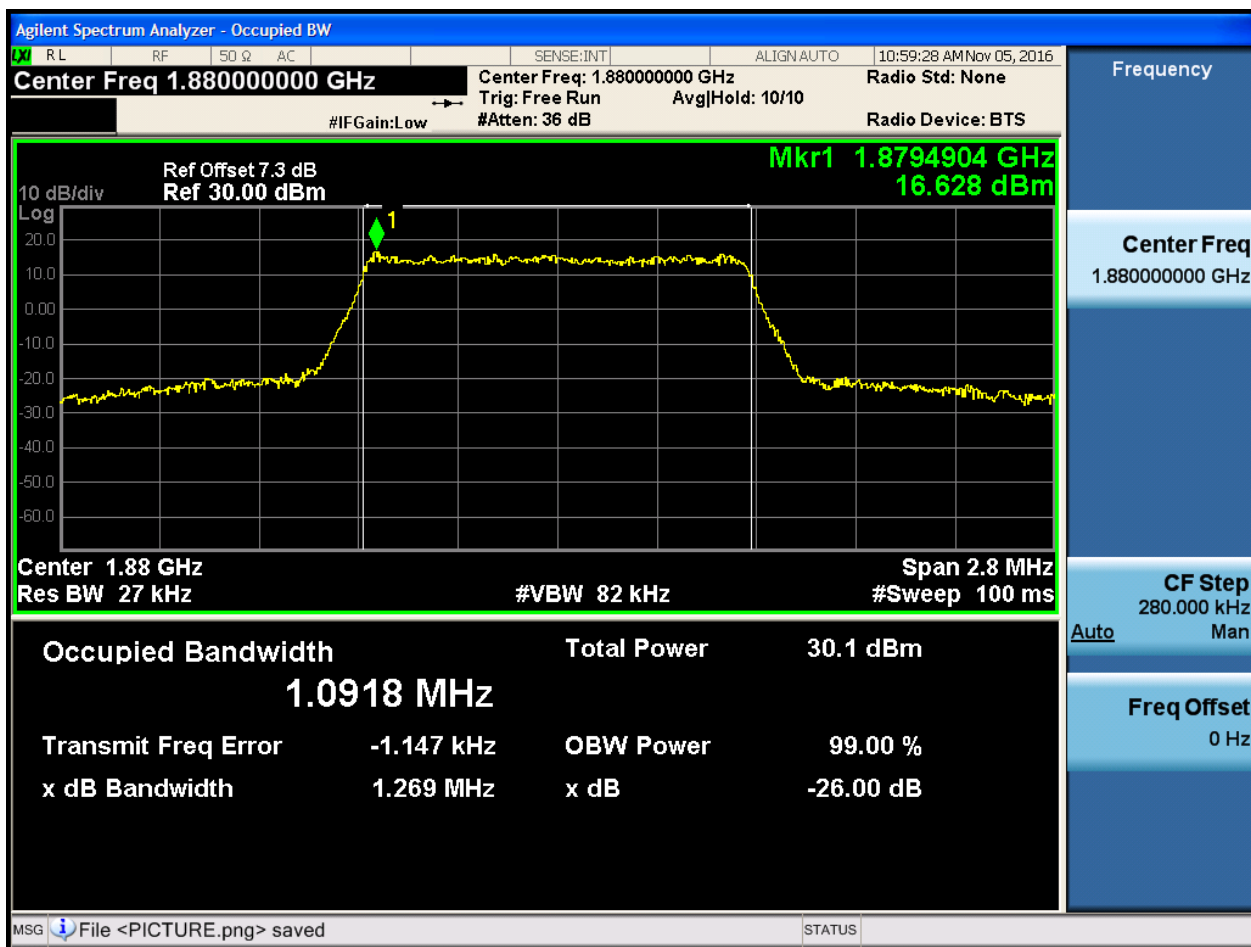
Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.50	14.92	Pass
			MCH	RB75#0	13.49	14.89	Pass
			HCH	RB75#0	13.46	14.88	Pass
		20	LCH	RB100#0	18.01	19.60	Pass
			MCH	RB100#0	17.99	19.56	Pass
			HCH	RB100#0	17.95	19.69	Pass





4.1.1.1.1.2 Test Channel = MCH

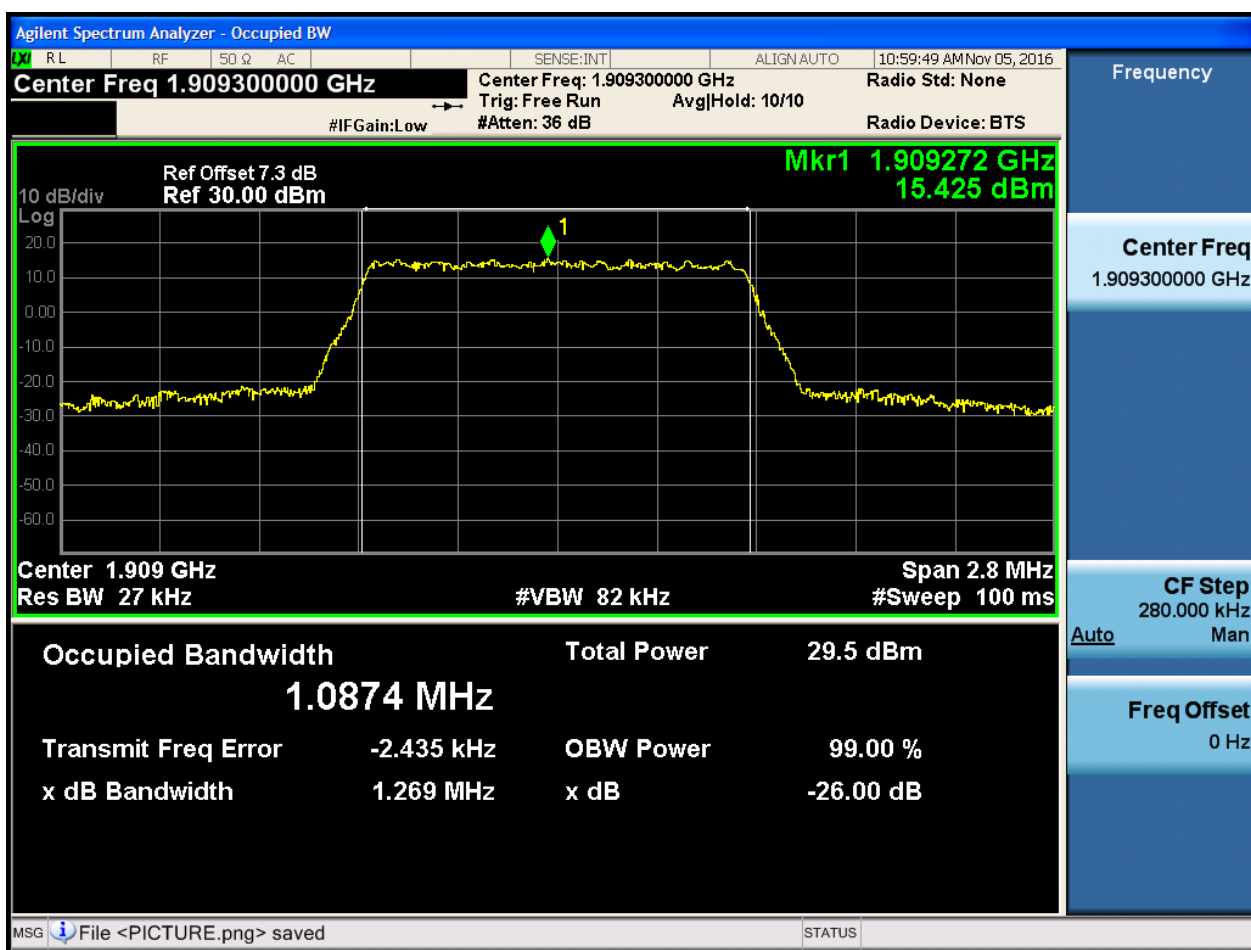
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

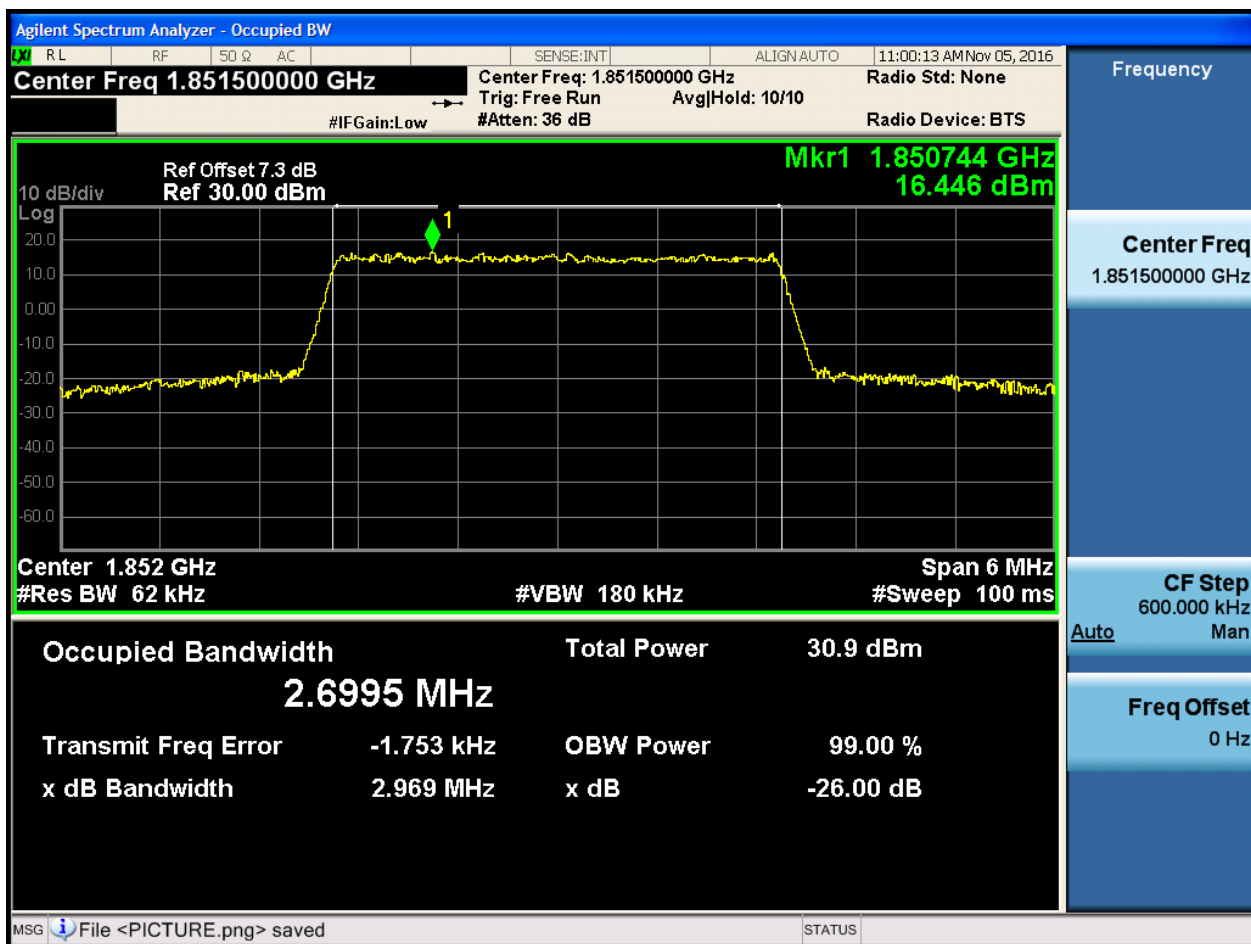




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

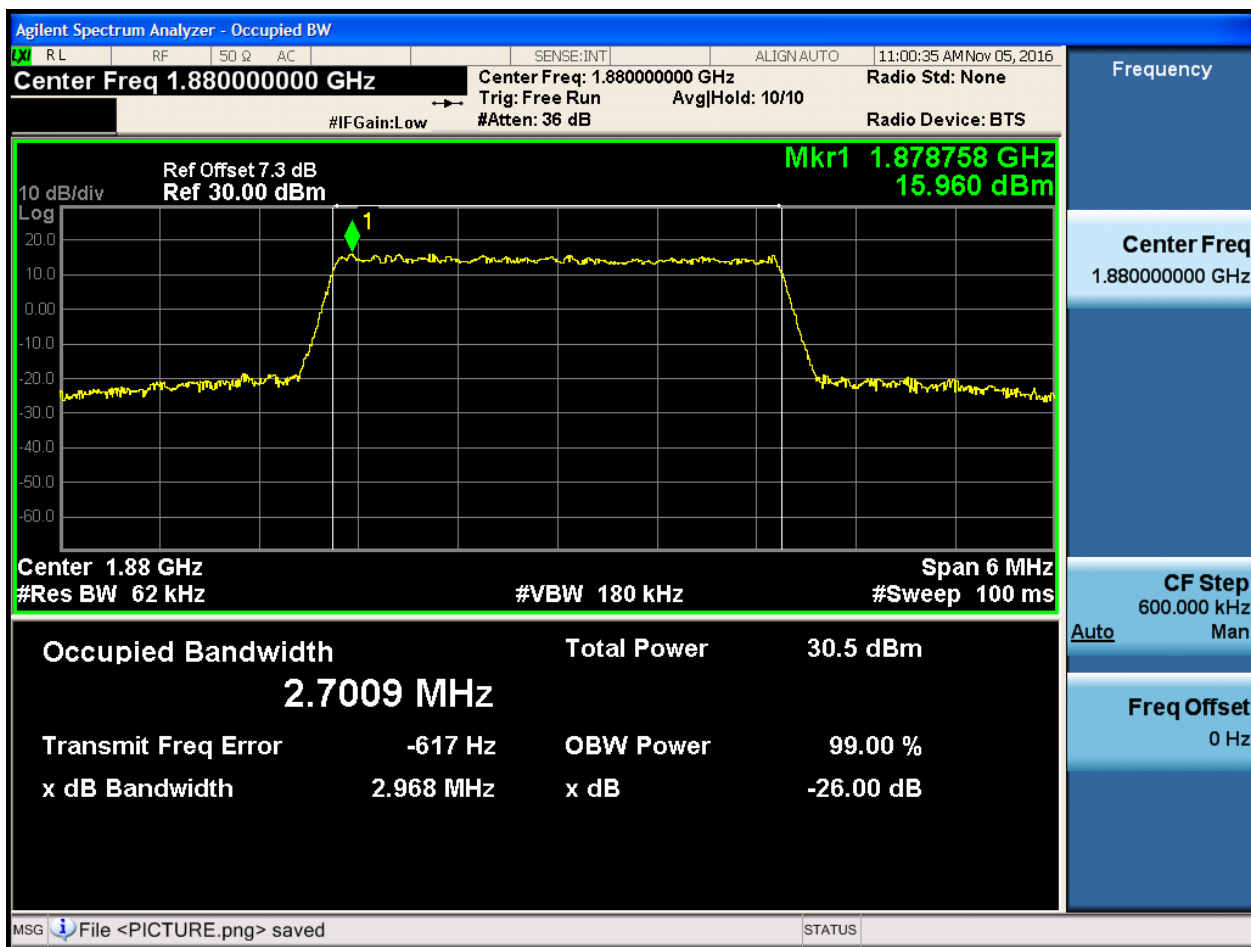
4.1.1.1.2.1.1 Test RB = RB15#0





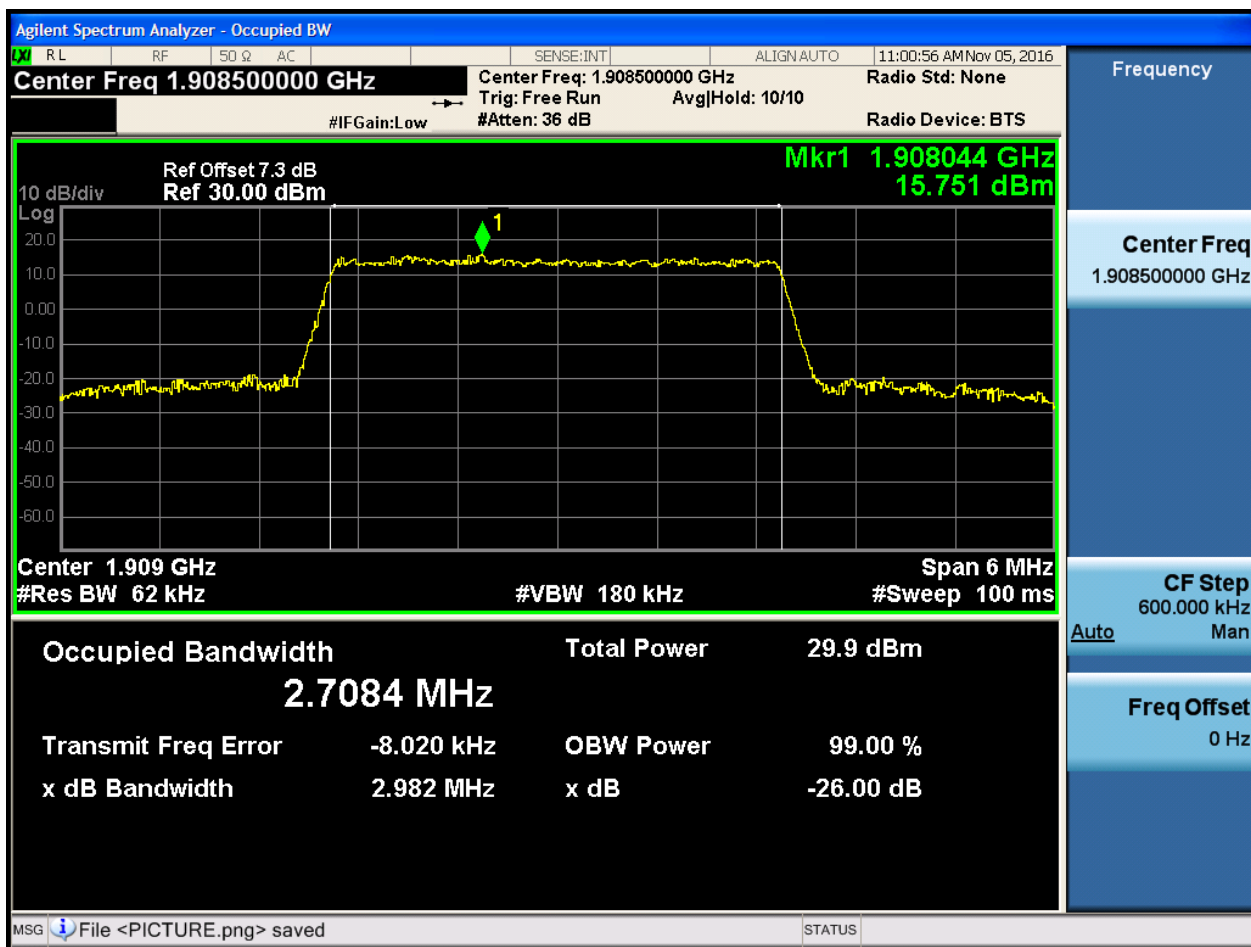
4.1.1.1.2.2 Test Channel = MCH

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

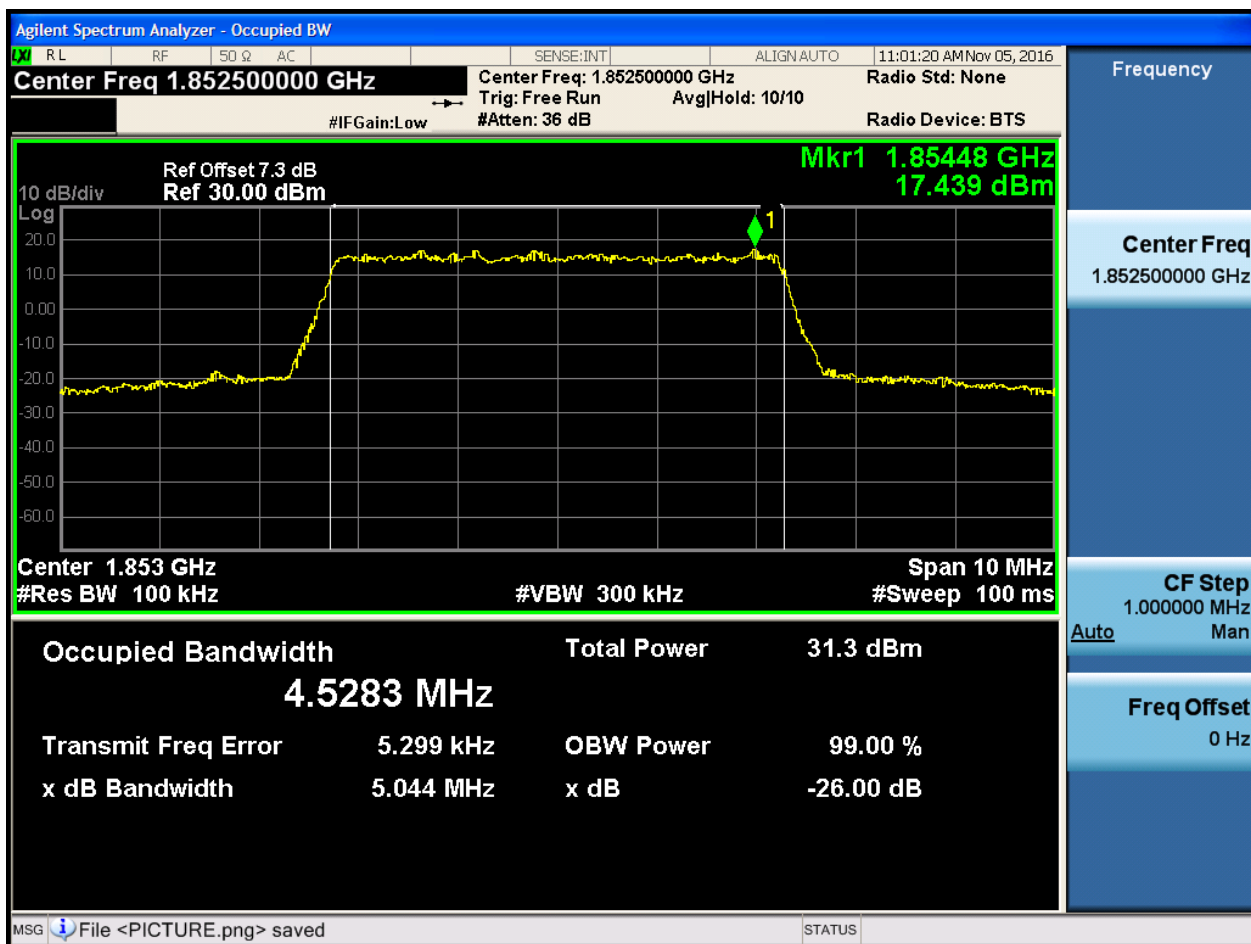




4.1.1.1.3 Test Bandwidth = 5

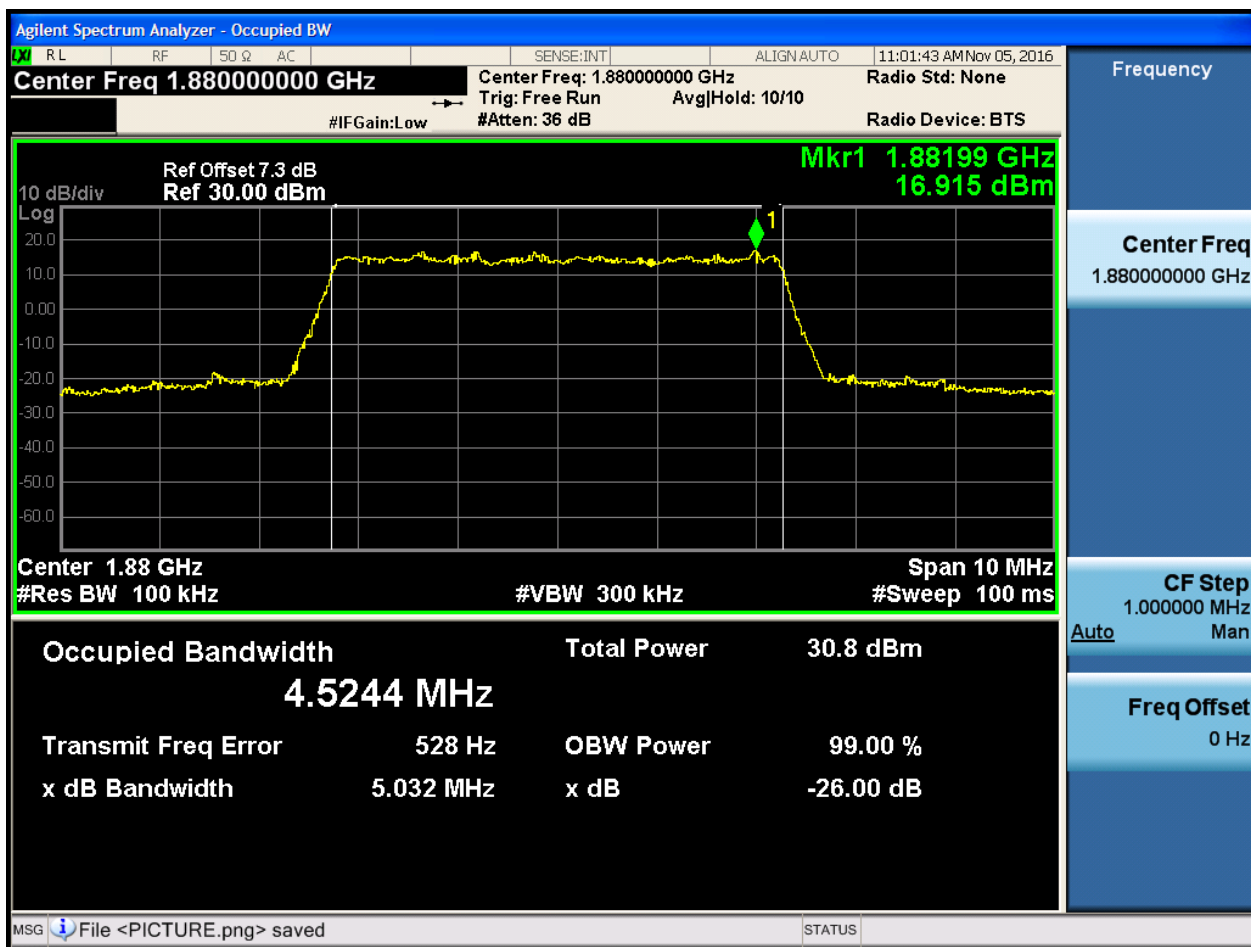
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



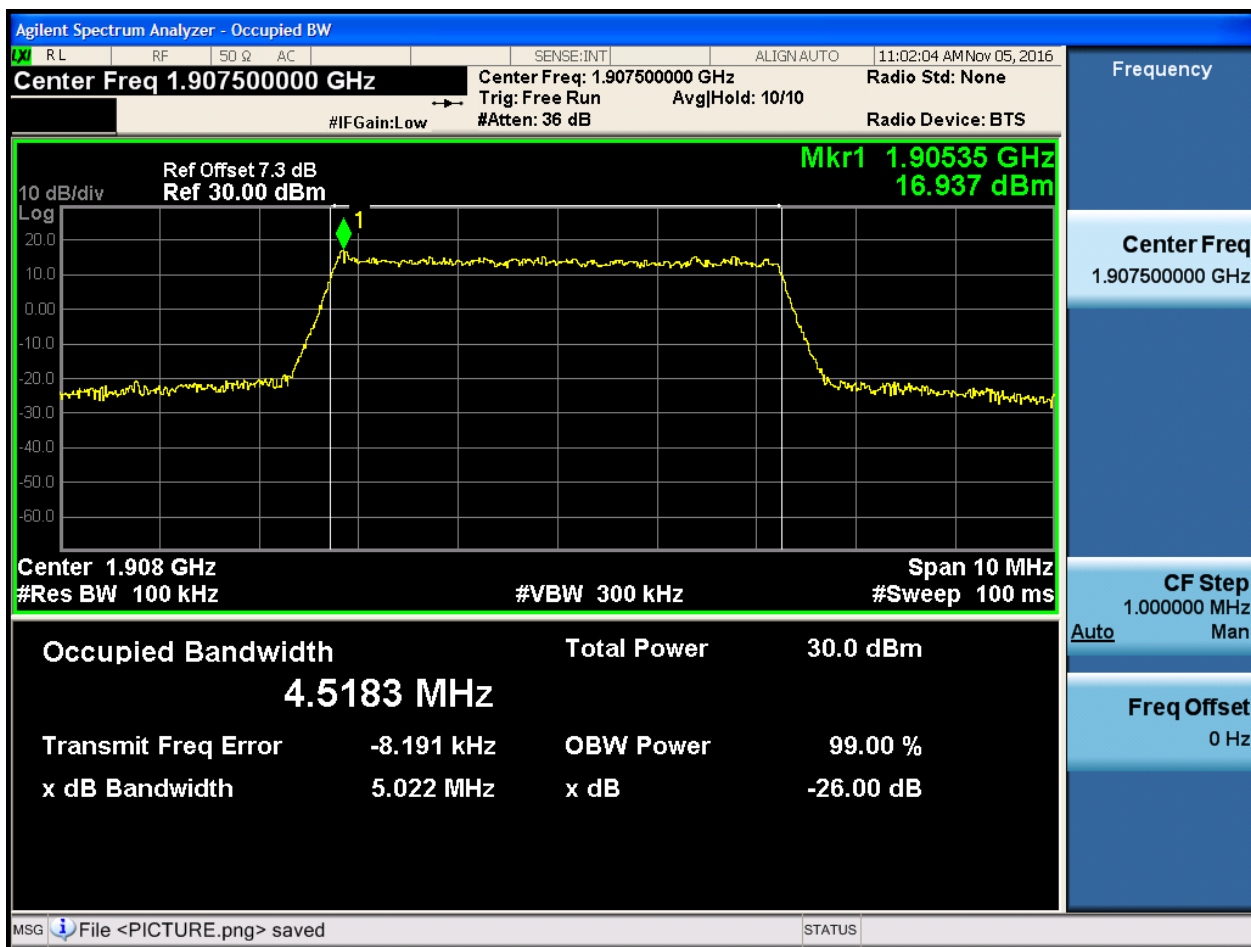
4.1.1.1.3.2 Test Channel = MCH

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

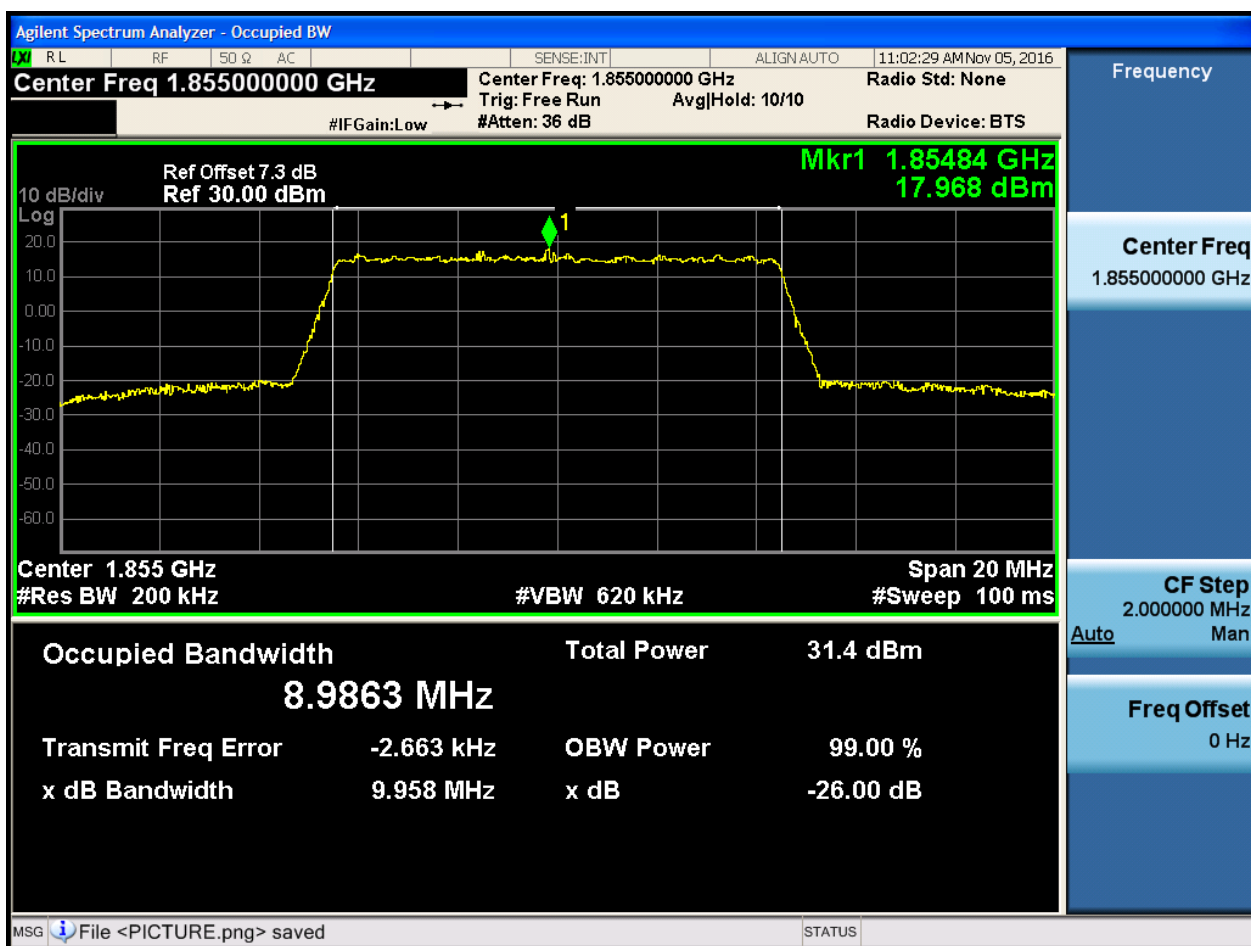




4.1.1.1.4 Test Bandwidth = 10

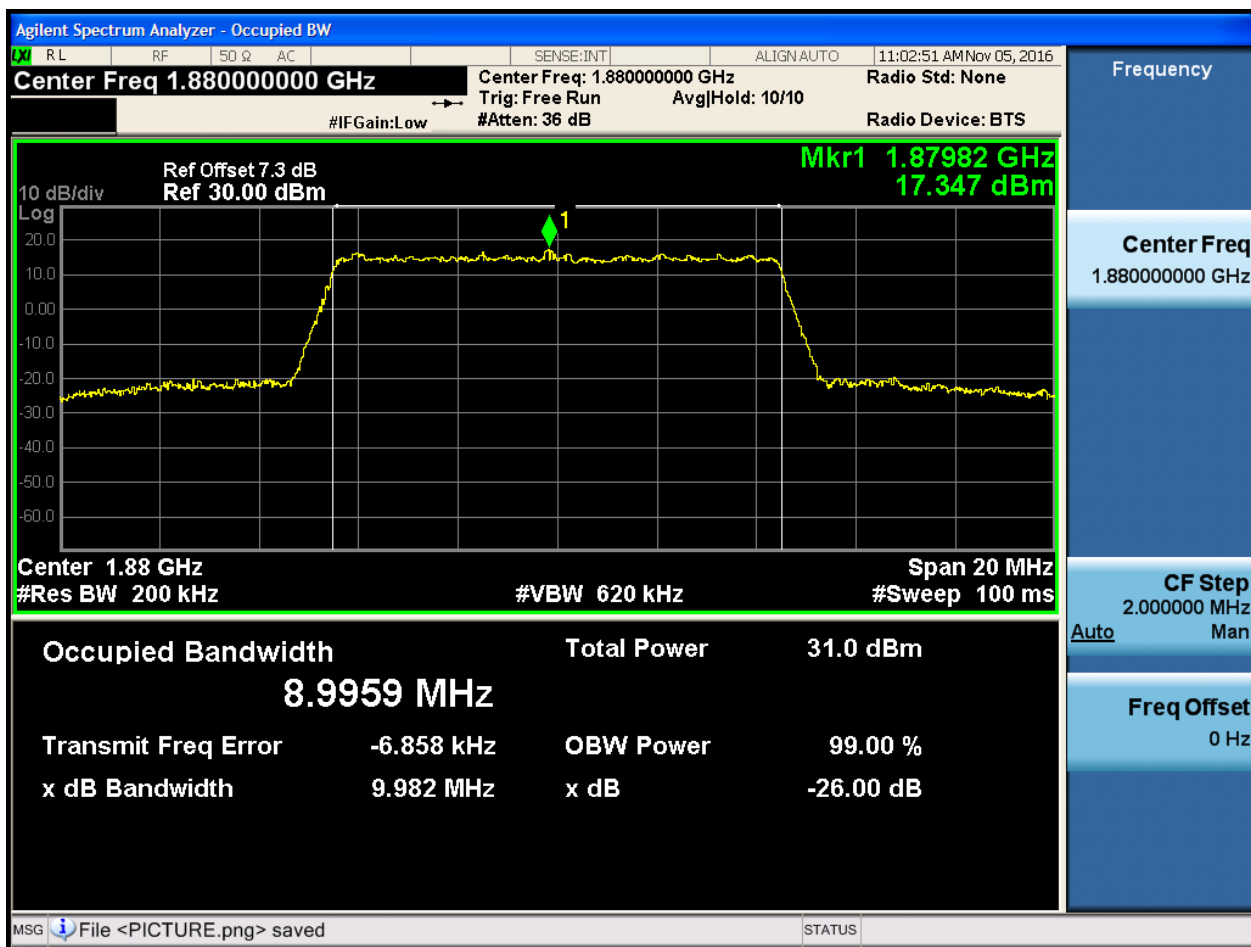
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



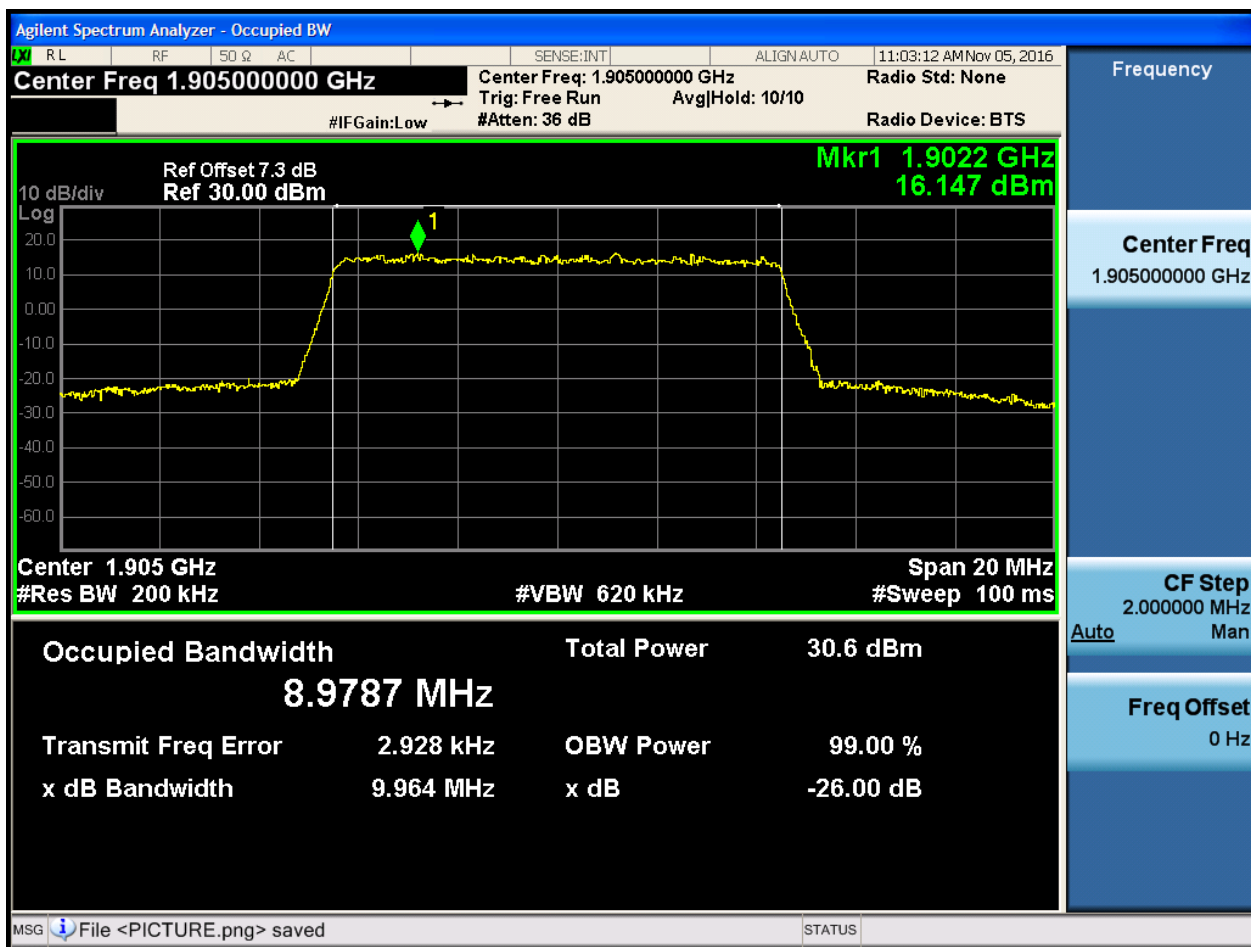
4.1.1.1.4.2 Test Channel = MCH

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

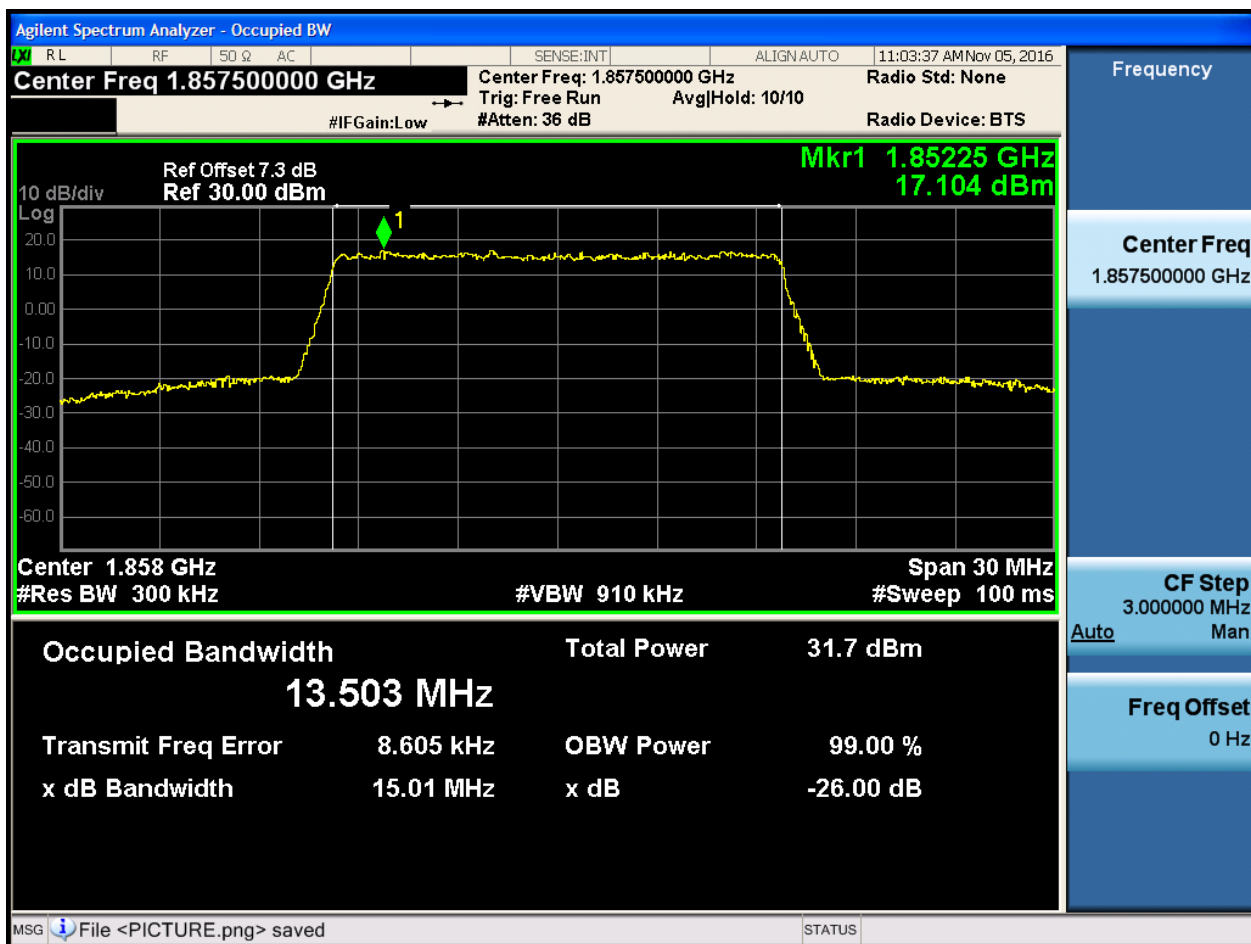




4.1.1.1.5 Test Bandwidth = 15

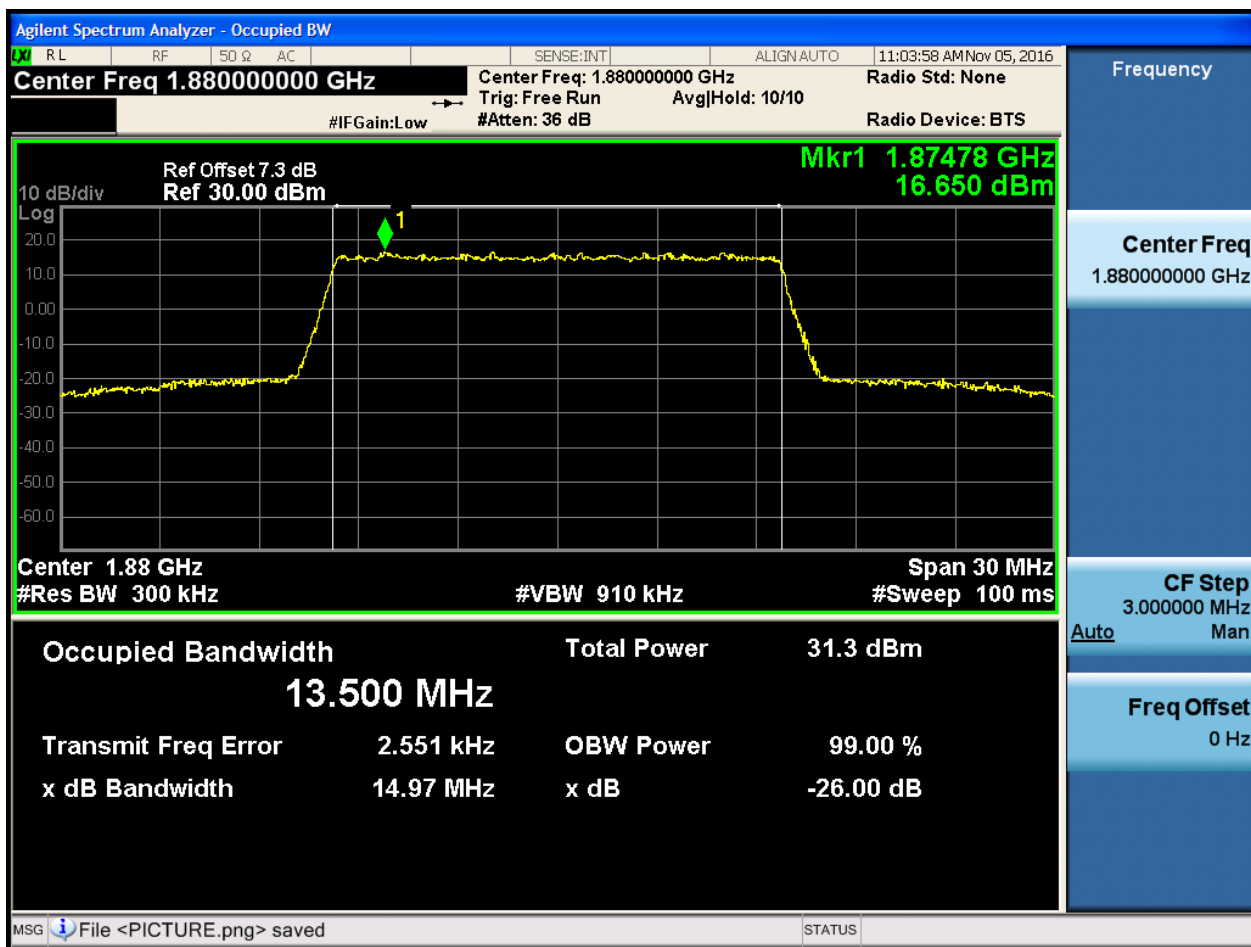
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



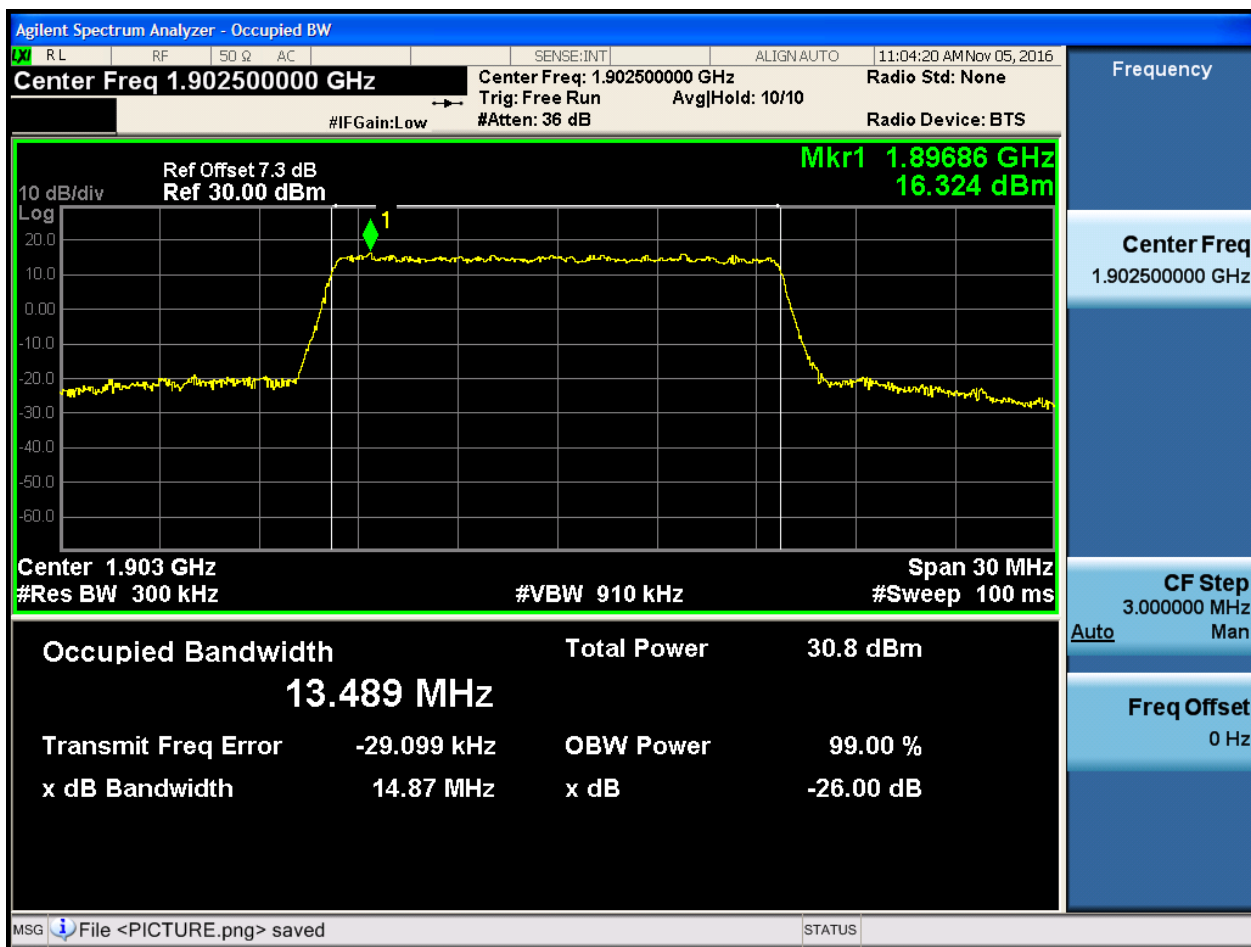
4.1.1.1.5.2 Test Channel = MCH

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

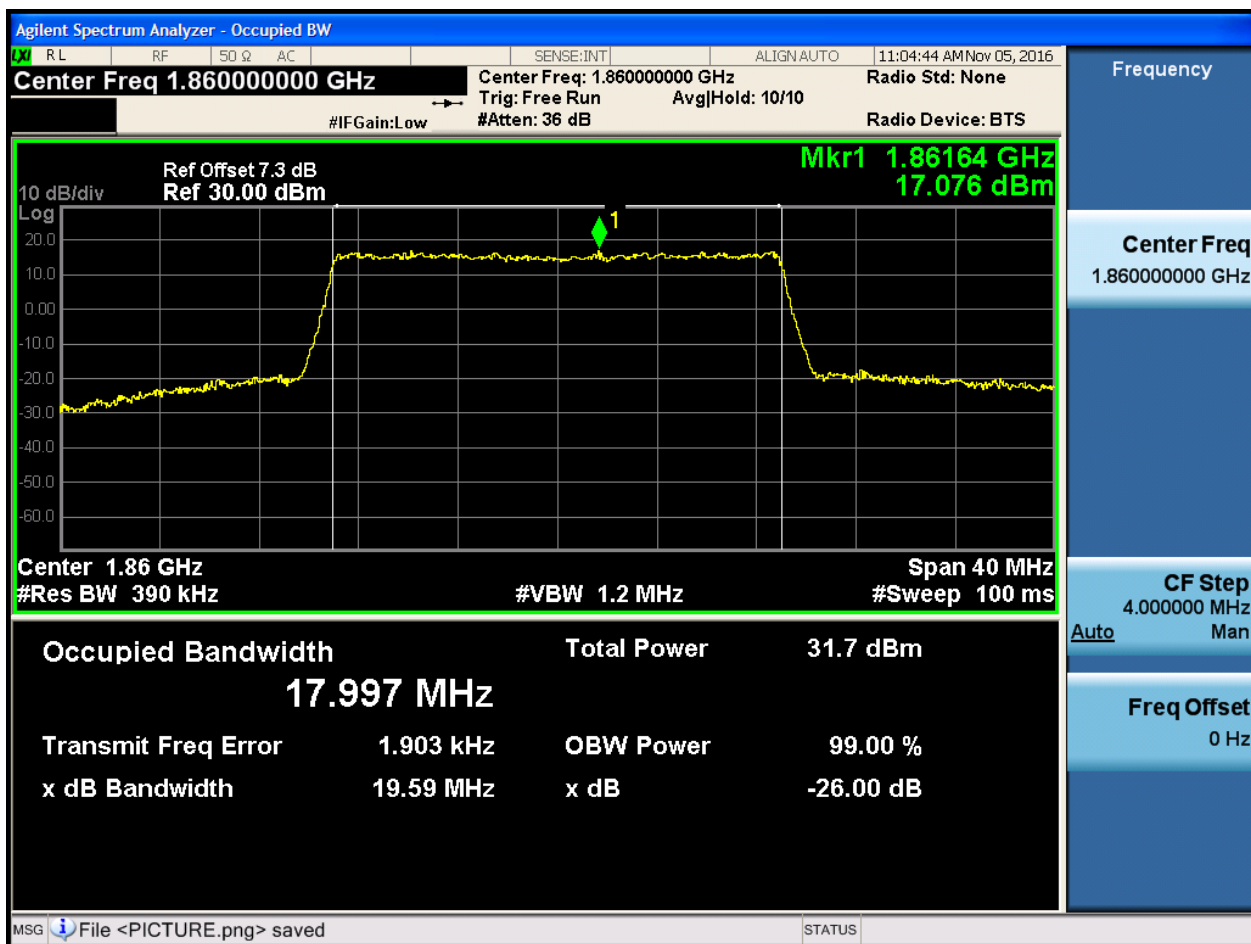




4.1.1.1.6 Test Bandwidth = 20

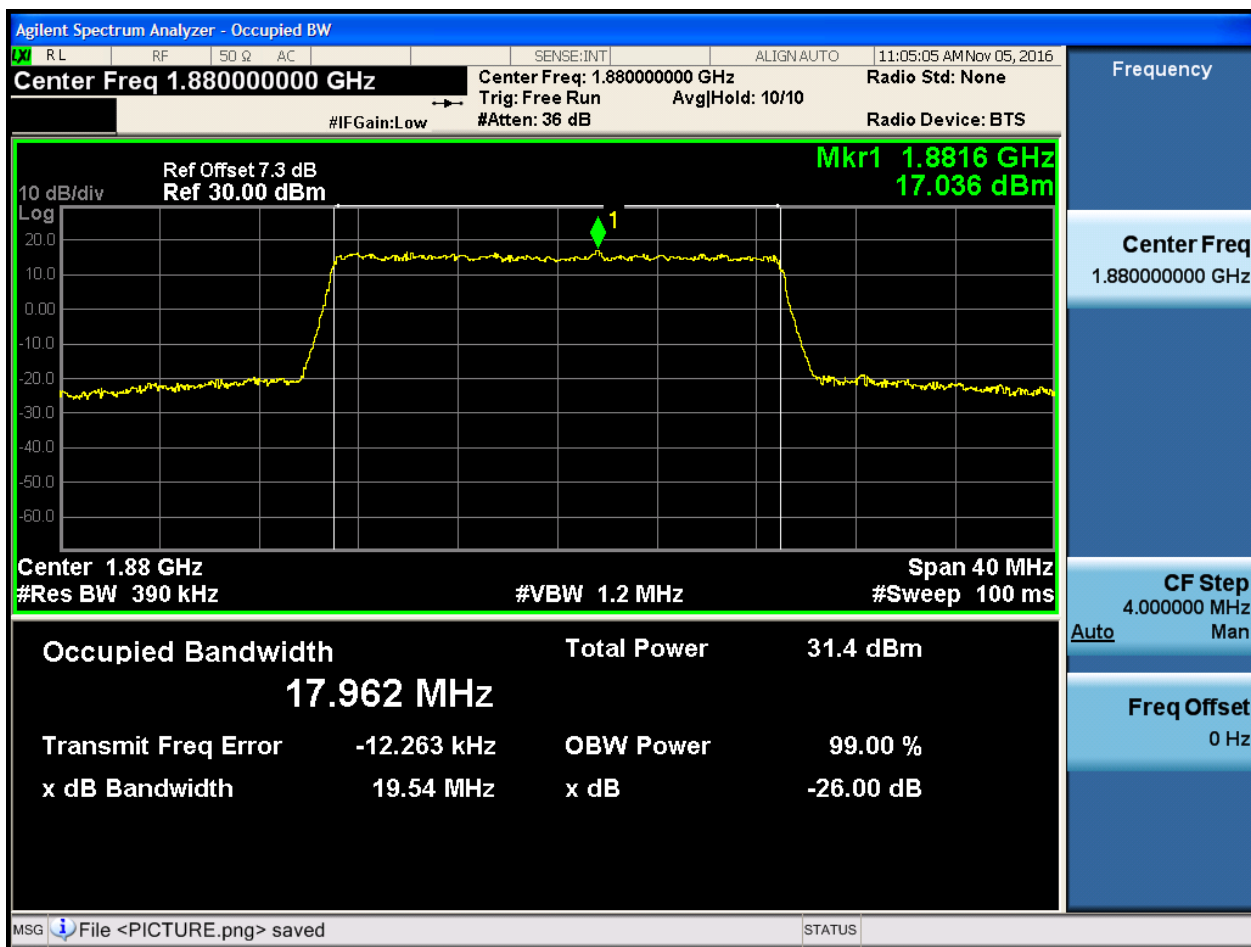
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



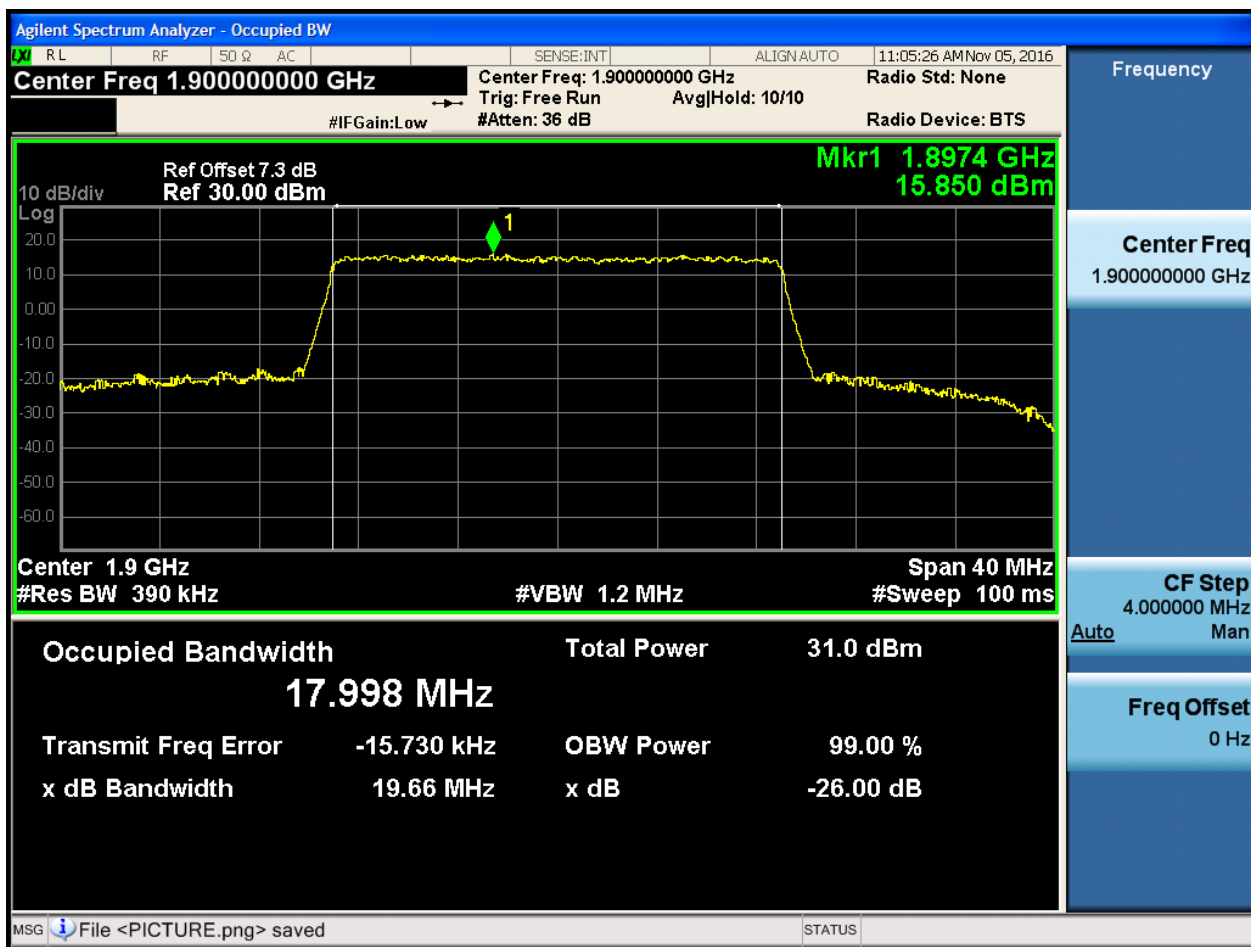
4.1.1.1.6.2 Test Channel = MCH

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

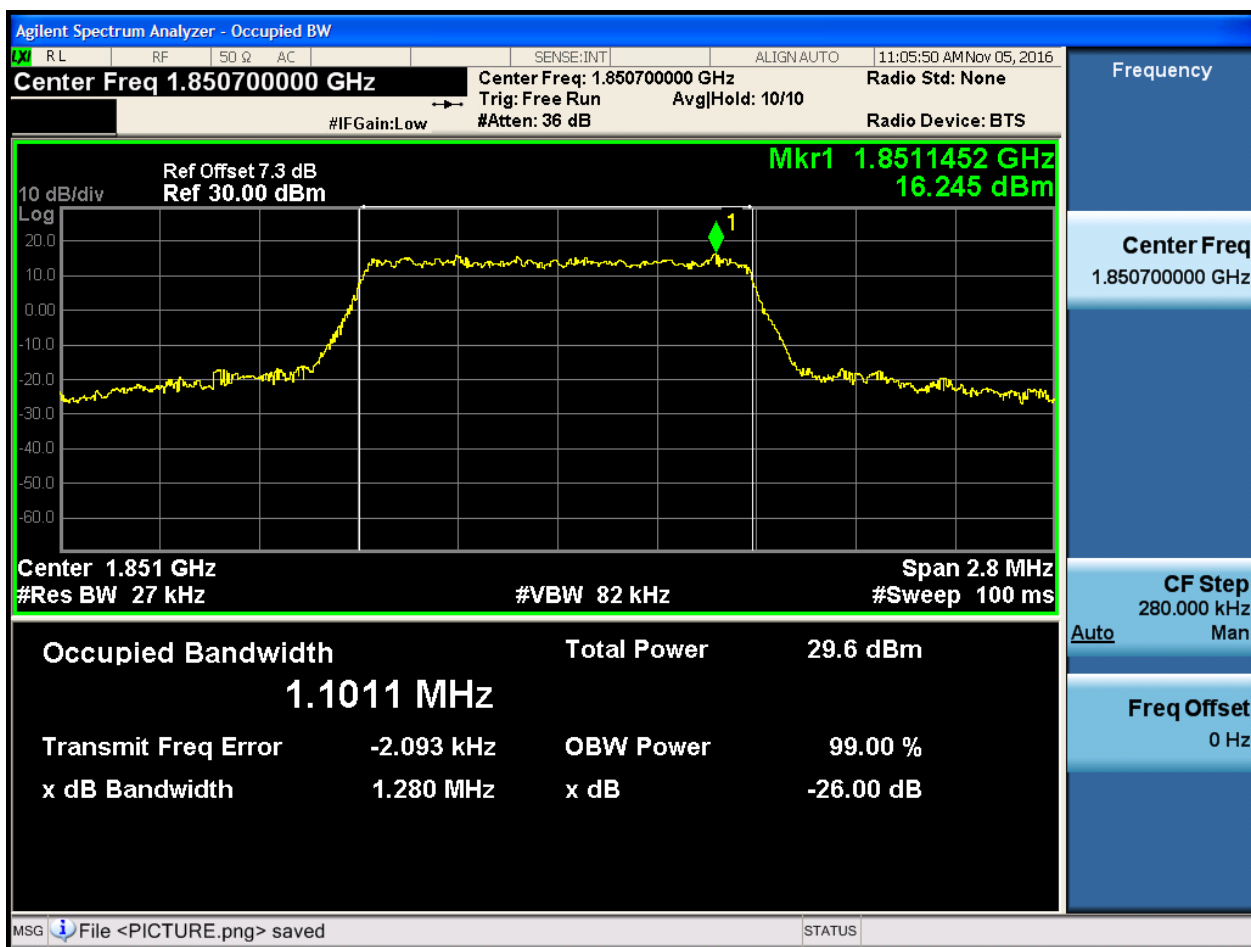


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

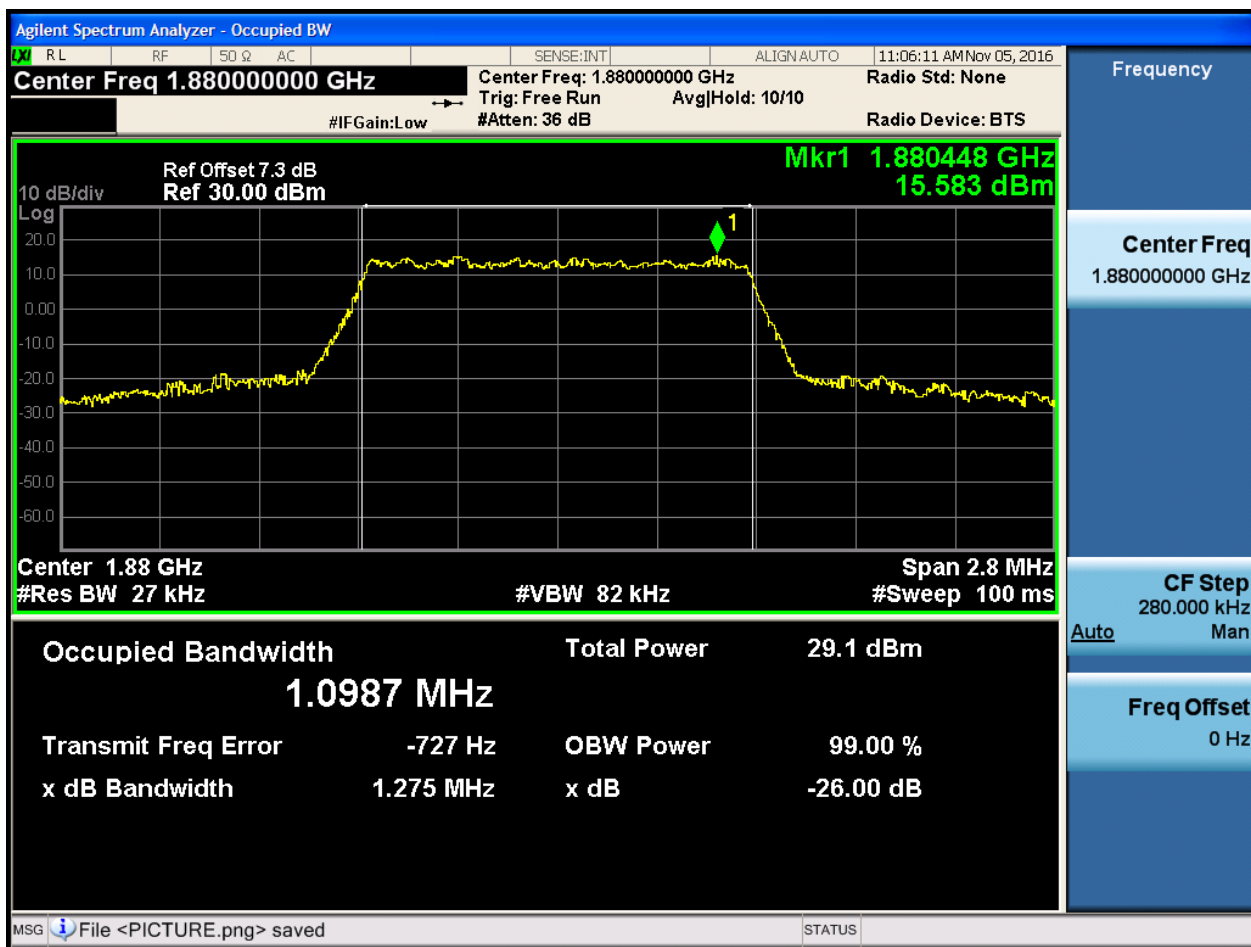
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



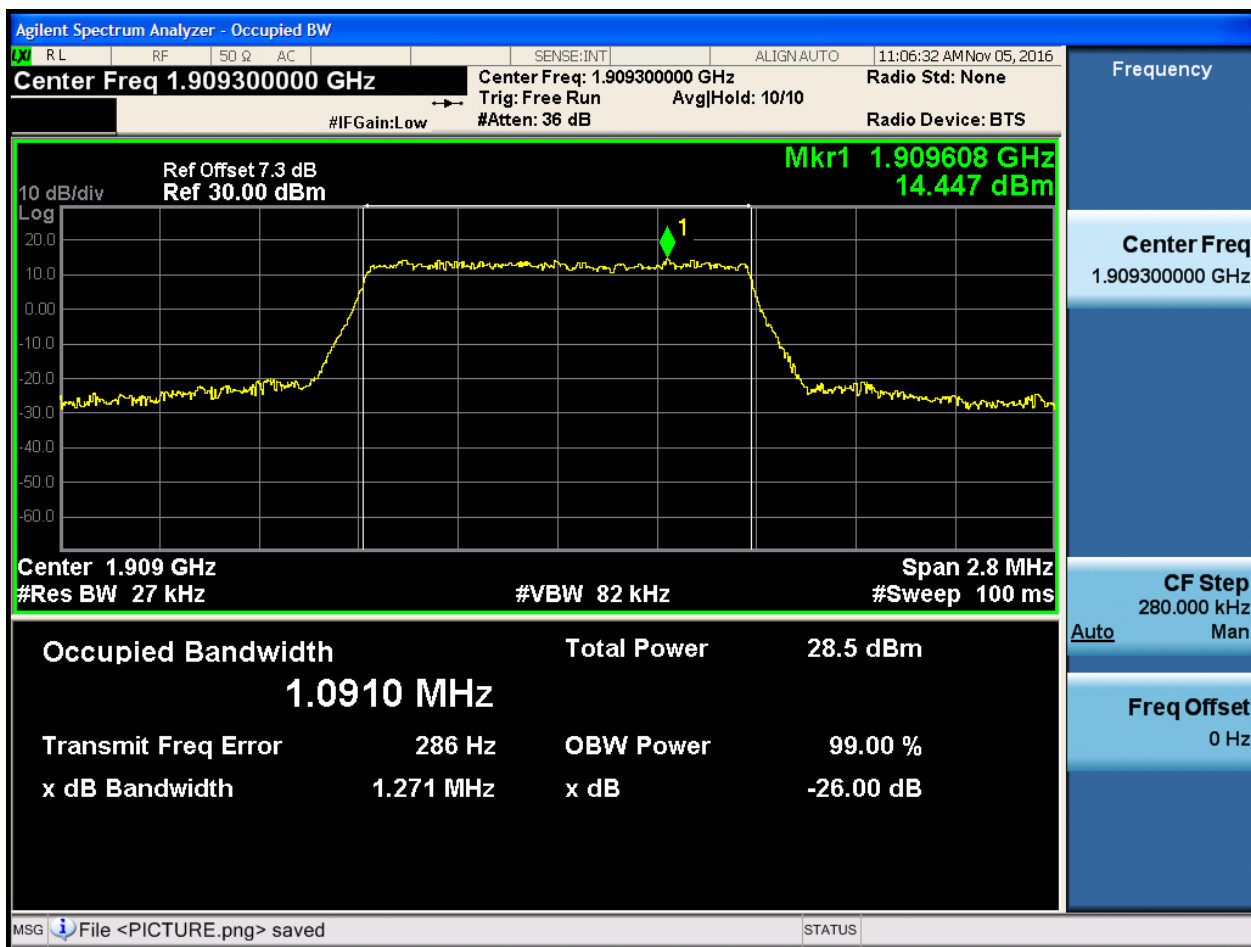
4.1.1.2.1.2 Test Channel = MCH

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

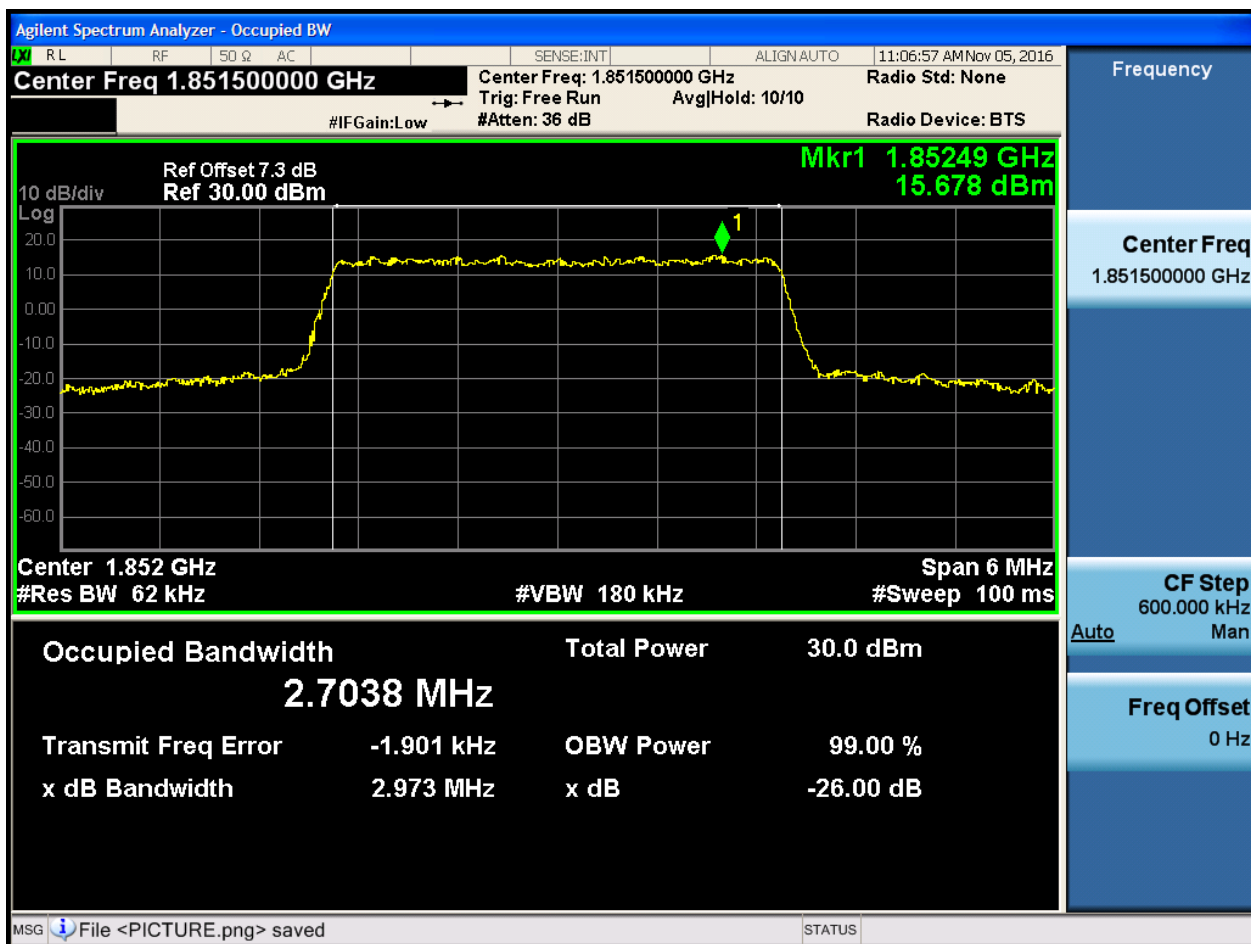




4.1.1.2.2 Test Bandwidth = 3

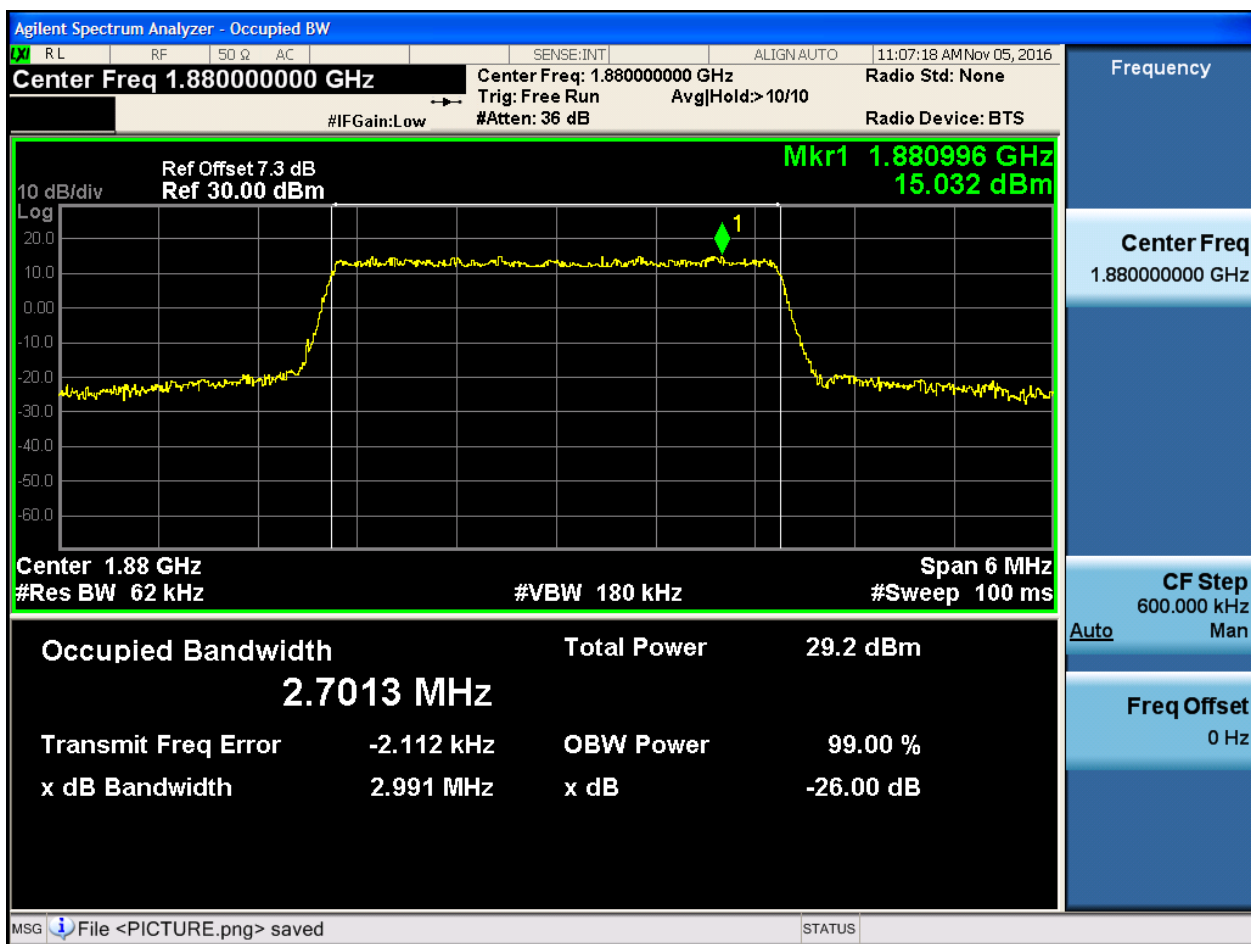
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



4.1.1.2.2.2 Test Channel = MCH

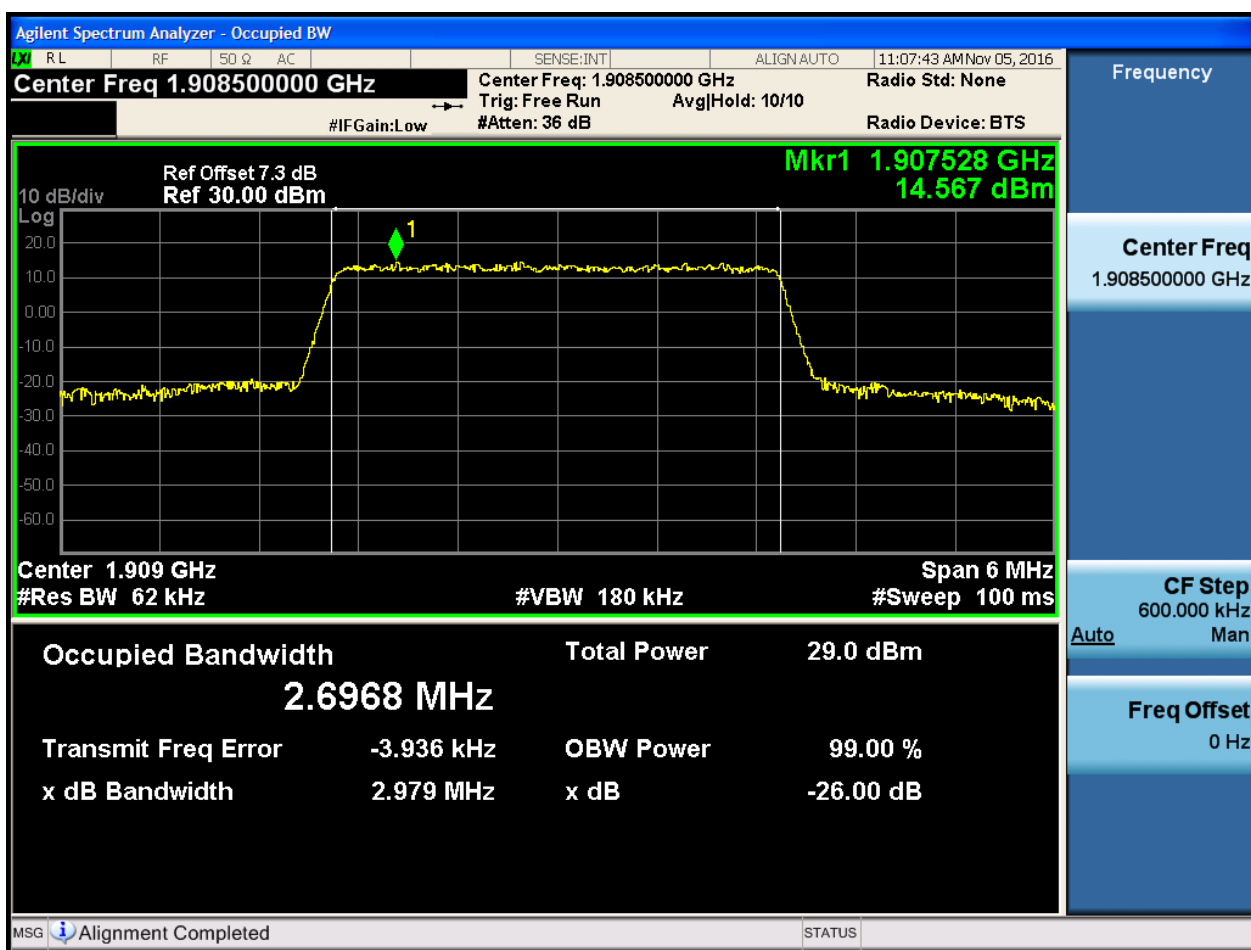
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

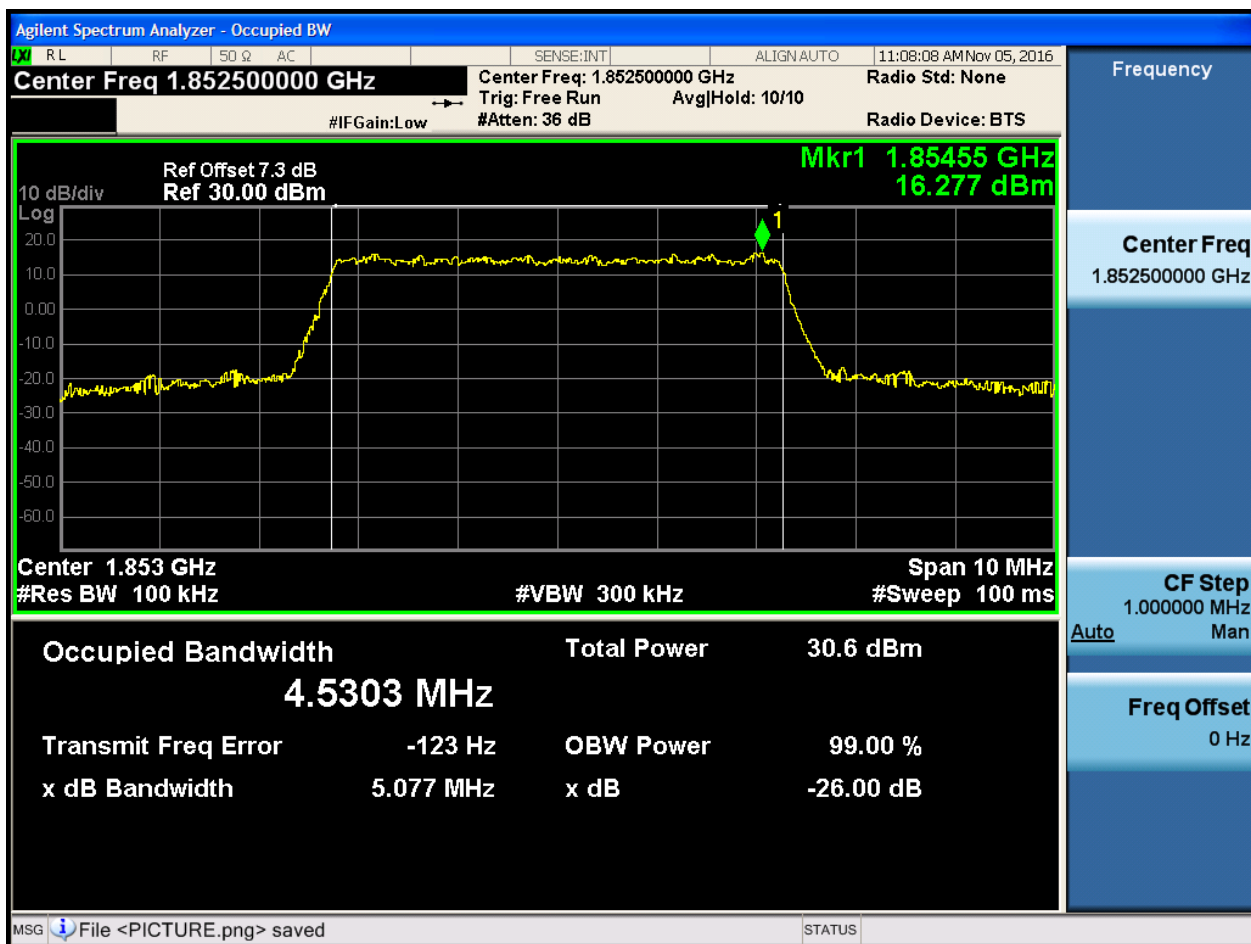




4.1.1.2.3 Test Bandwidth = 5

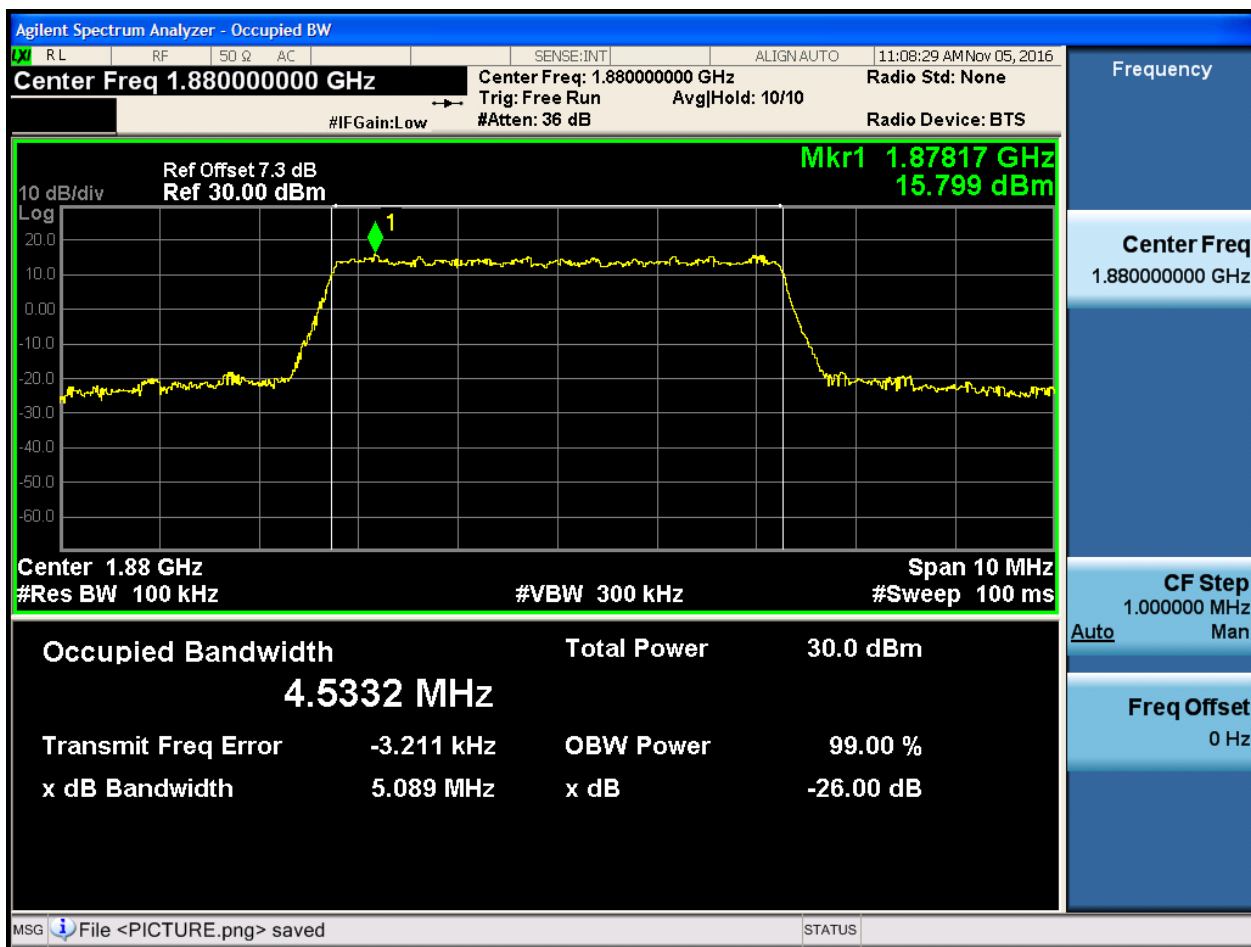
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



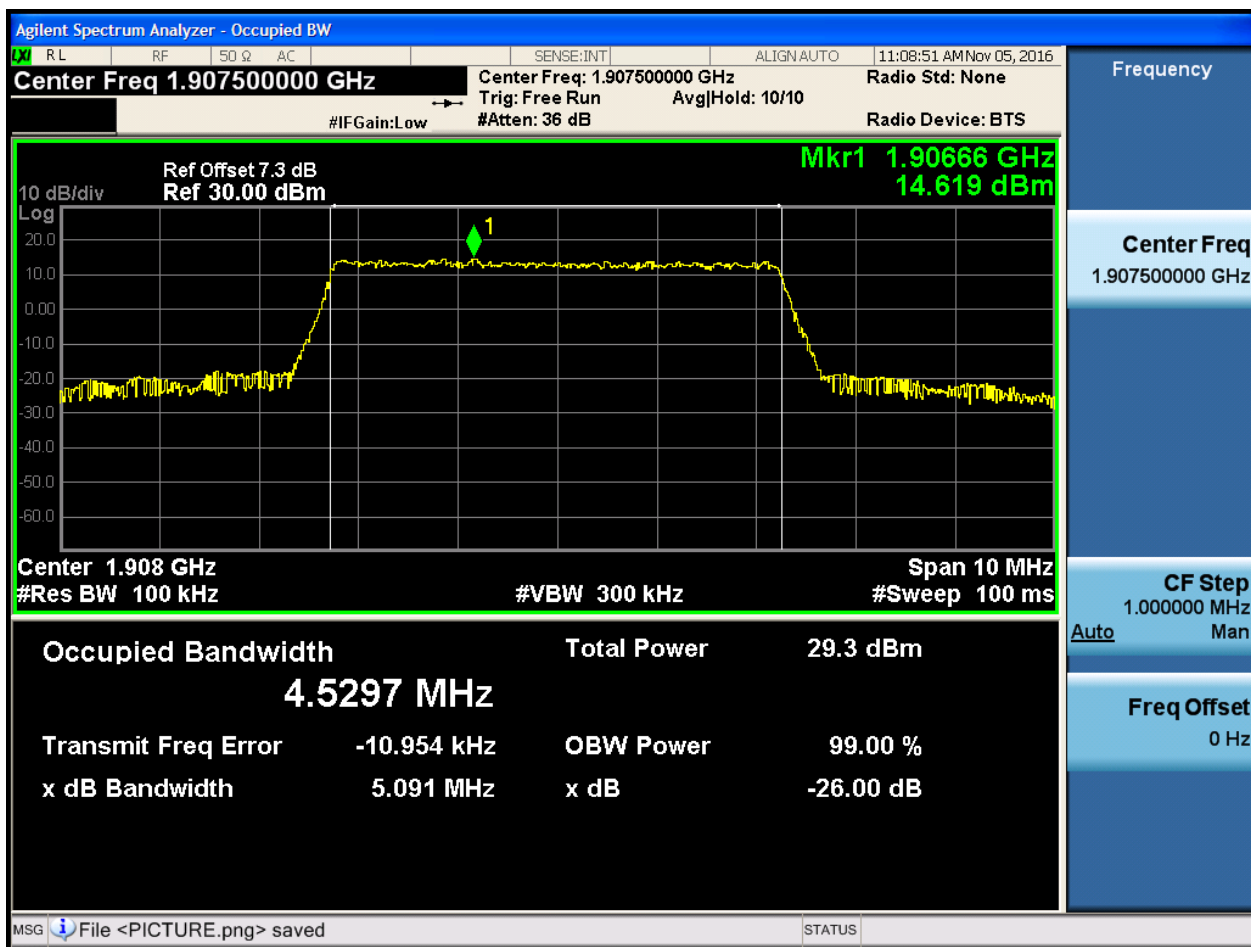
4.1.1.2.3.2 Test Channel = MCH

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

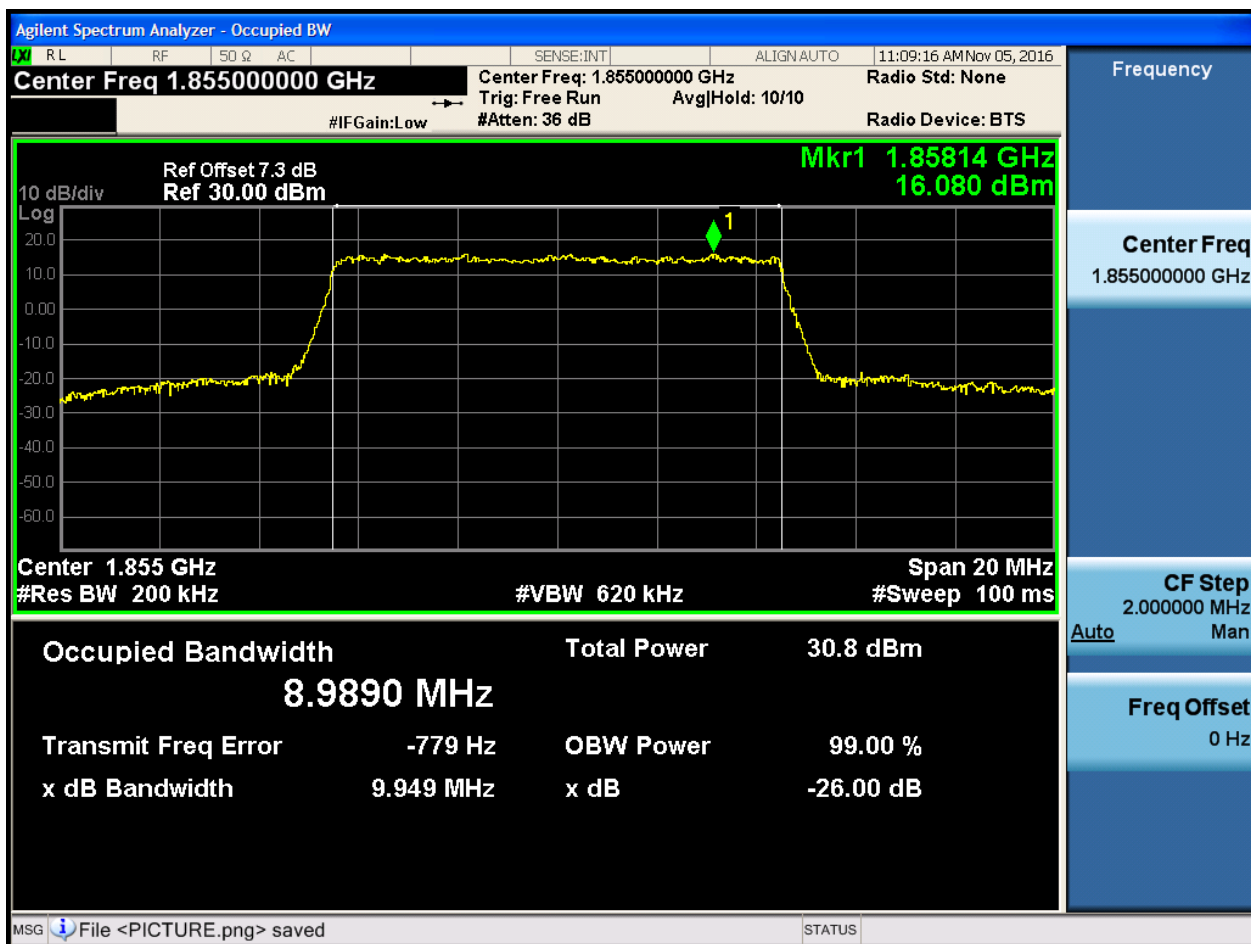




4.1.1.2.4 Test Bandwidth = 10

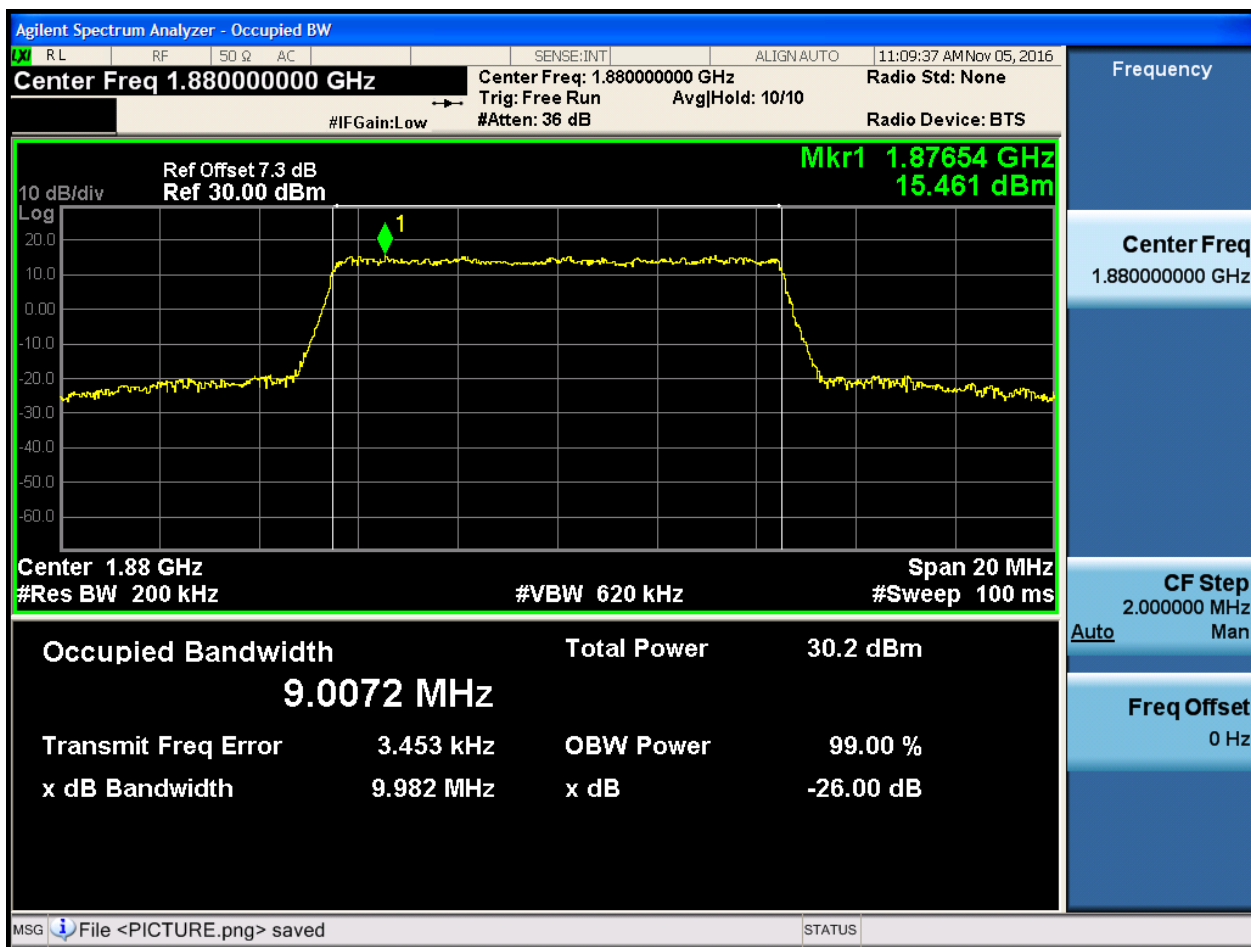
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



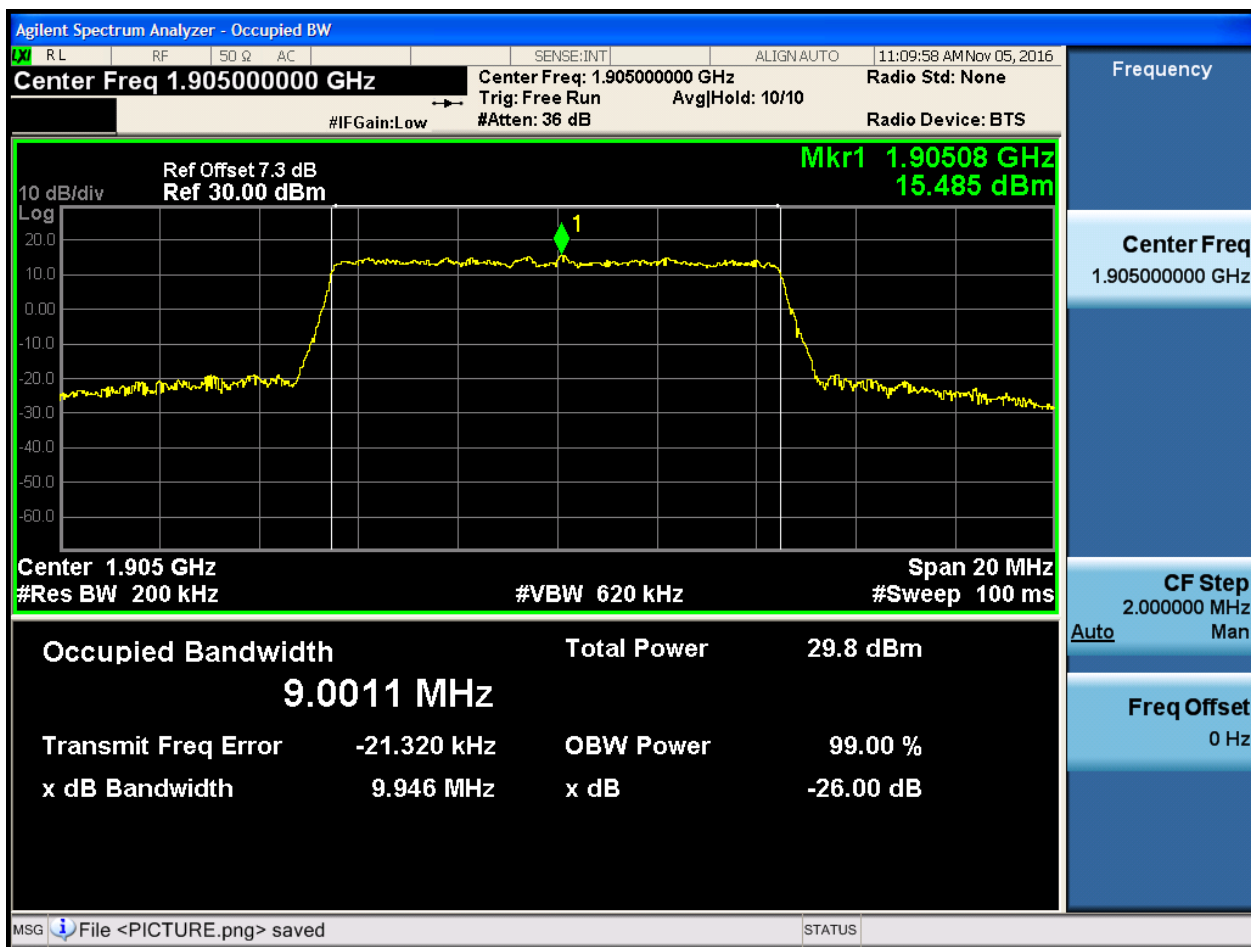
4.1.1.2.4.2 Test Channel = MCH

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

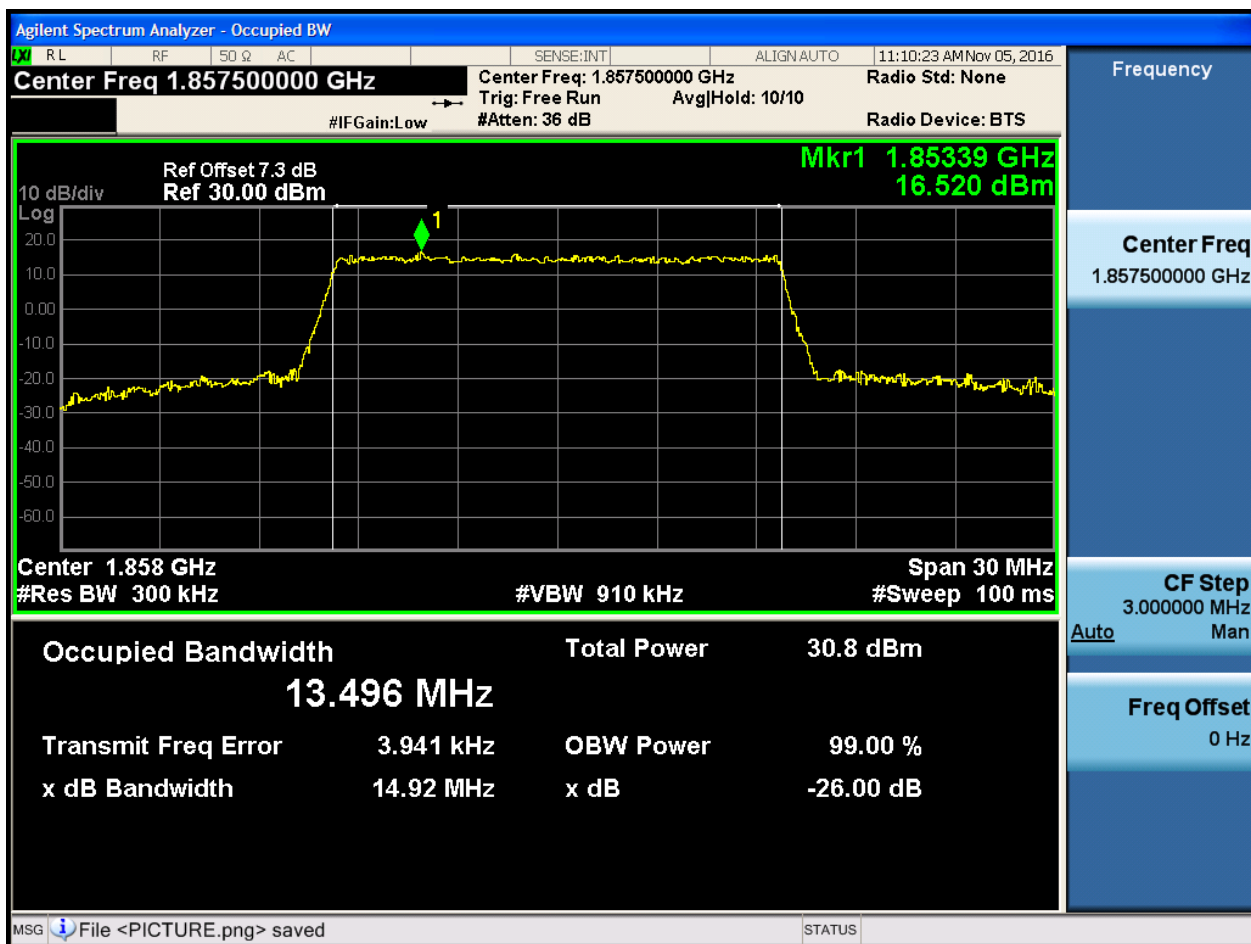




4.1.1.2.5 Test Bandwidth = 15

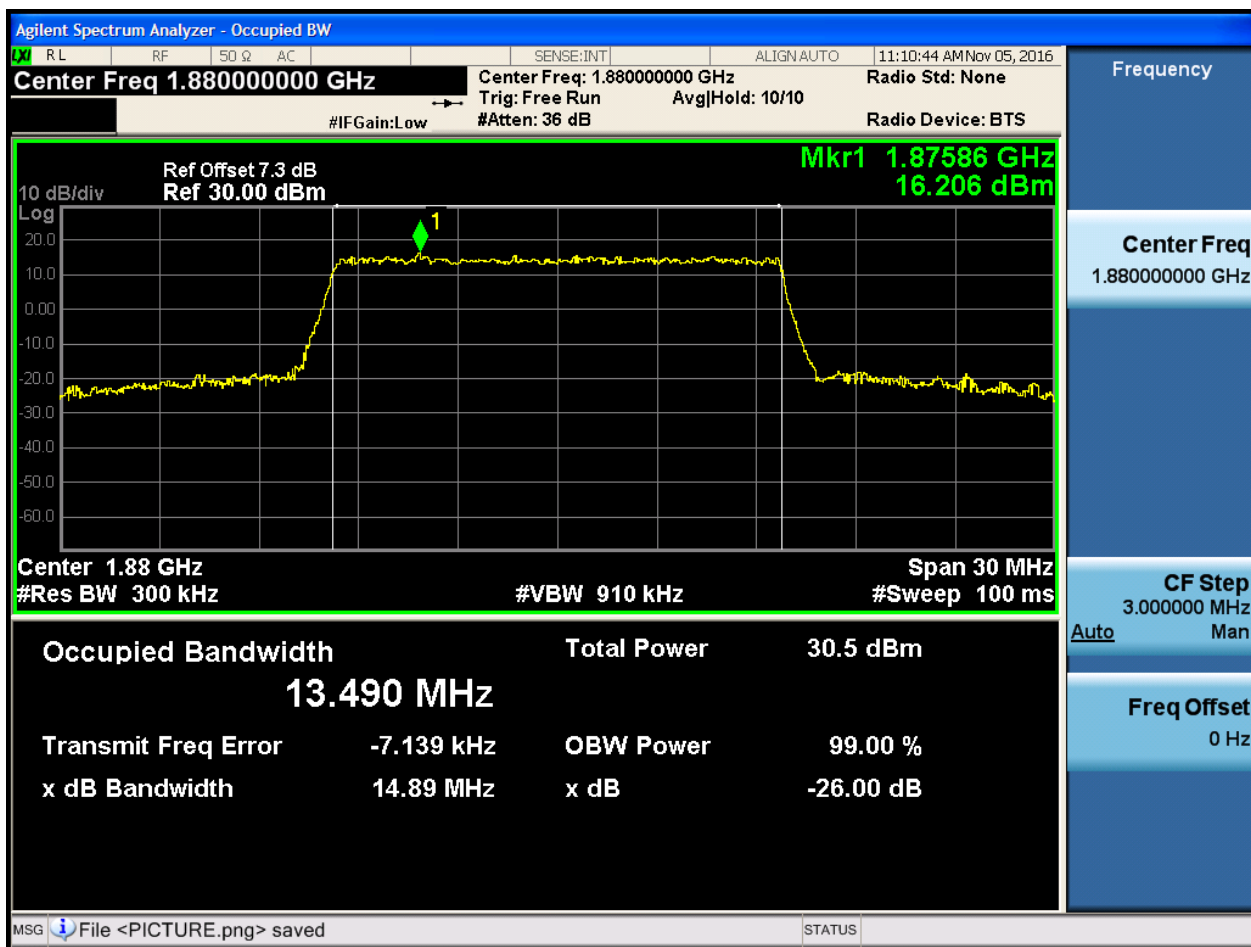
4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



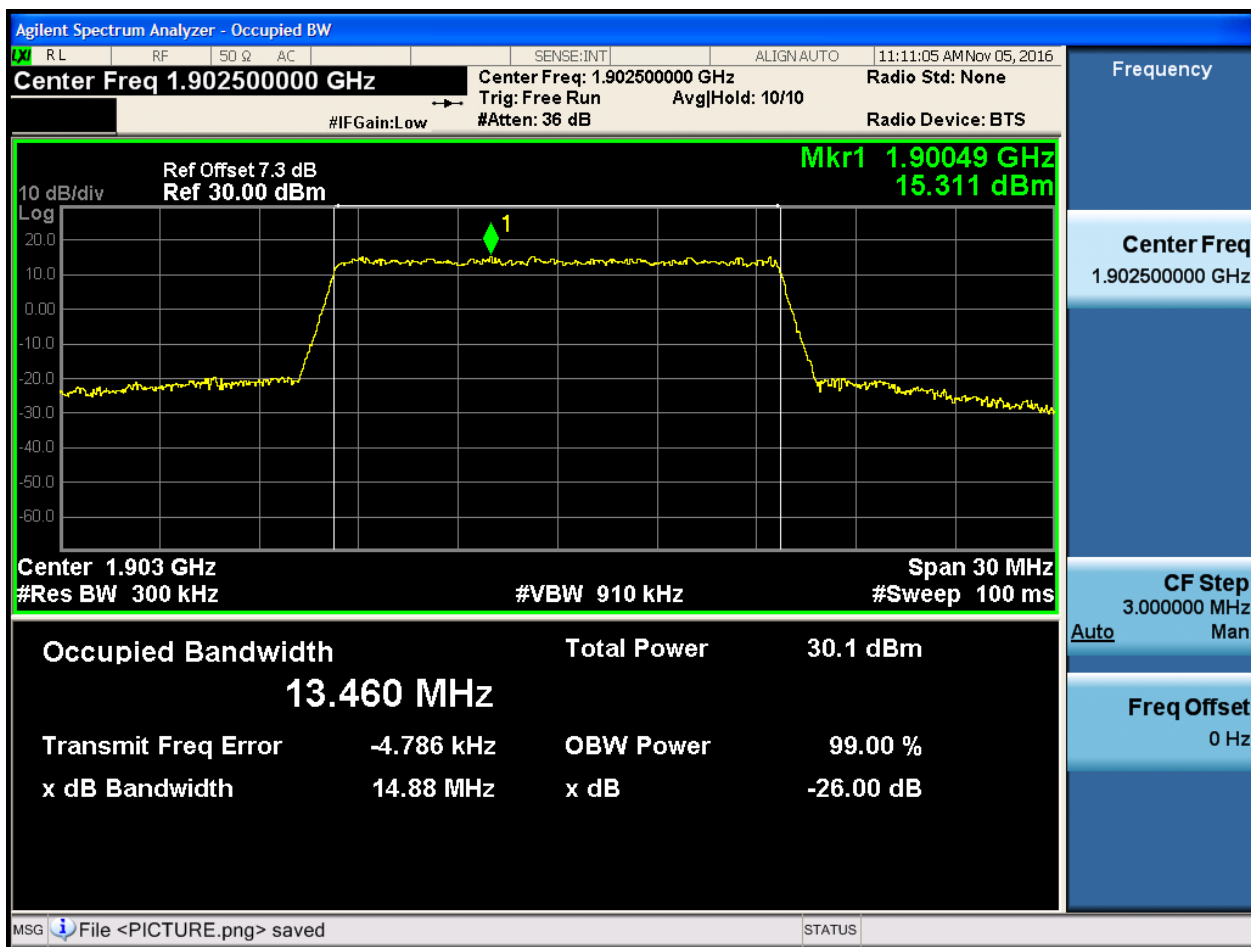
4.1.1.2.5.2 Test Channel = MCH

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

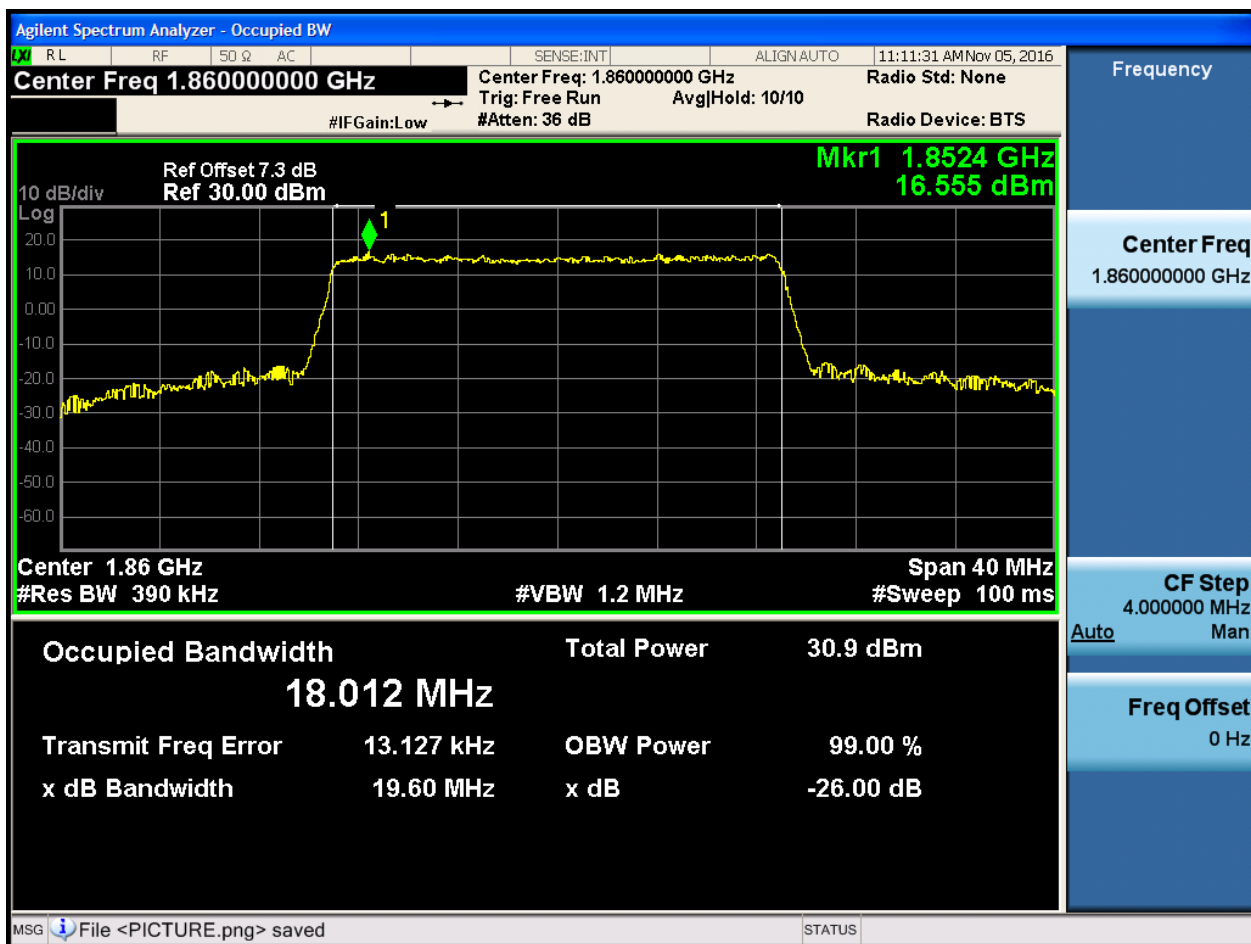




4.1.1.2.6 Test Bandwidth = 20

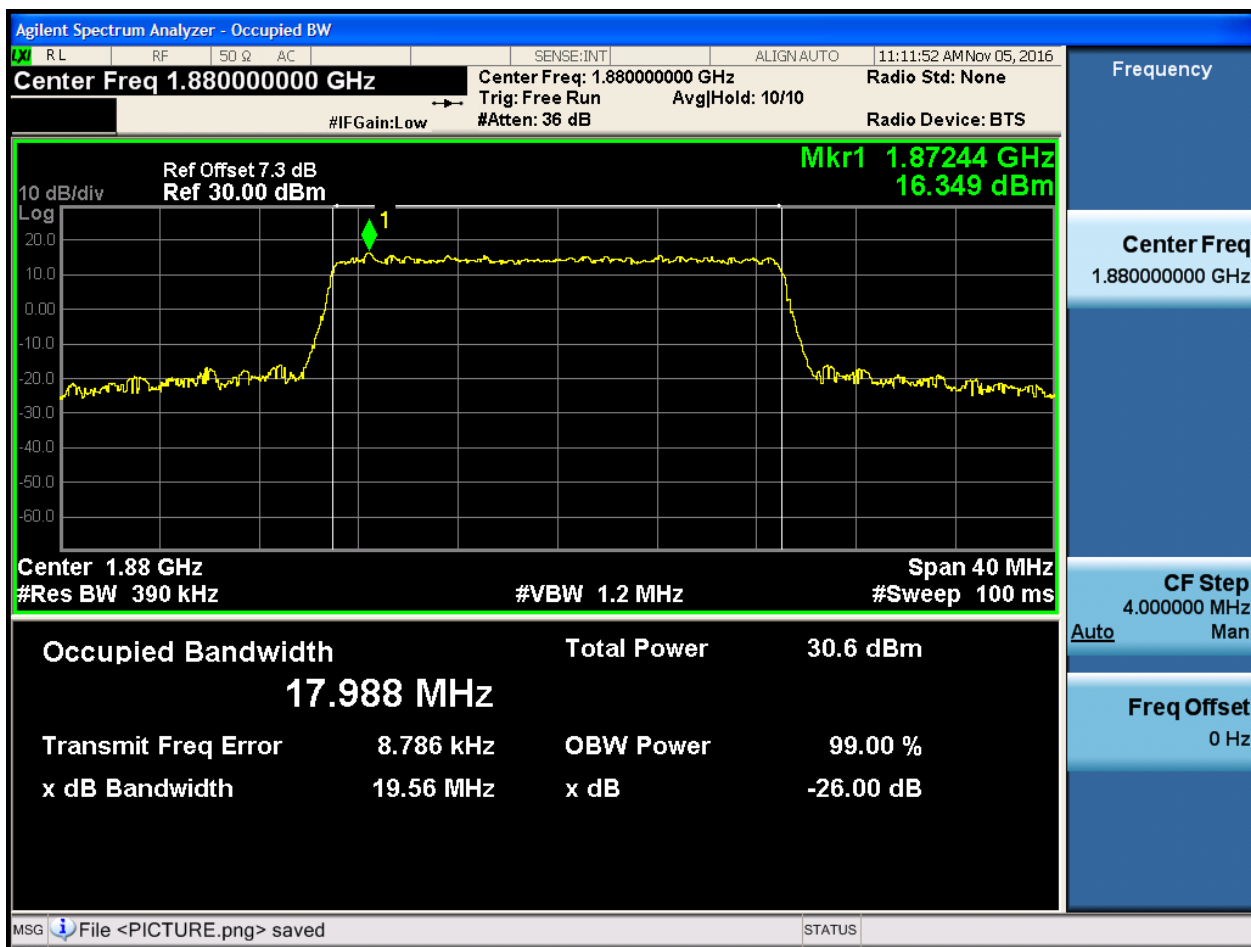
4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0



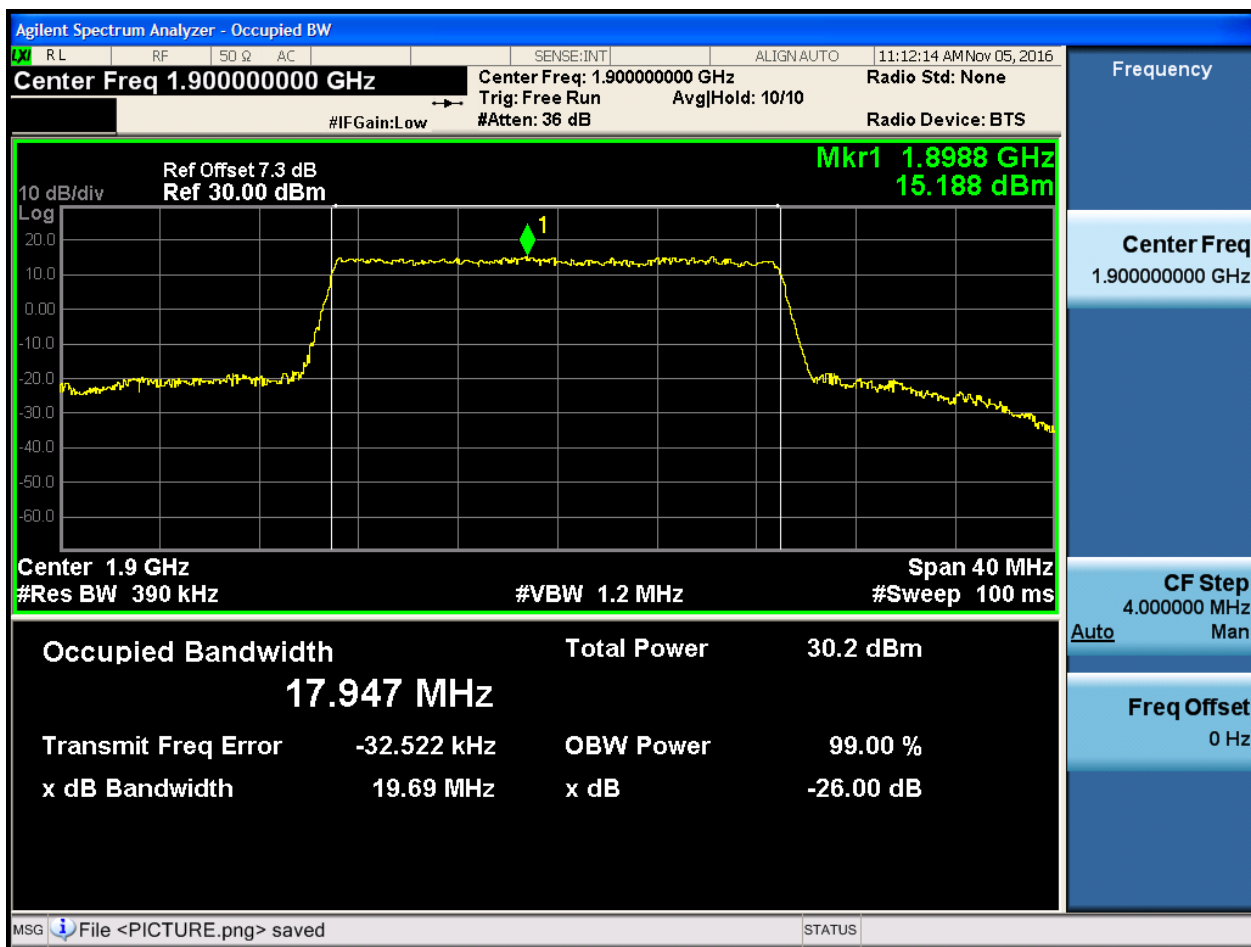
4.1.1.2.6.2 Test Channel = MCH

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

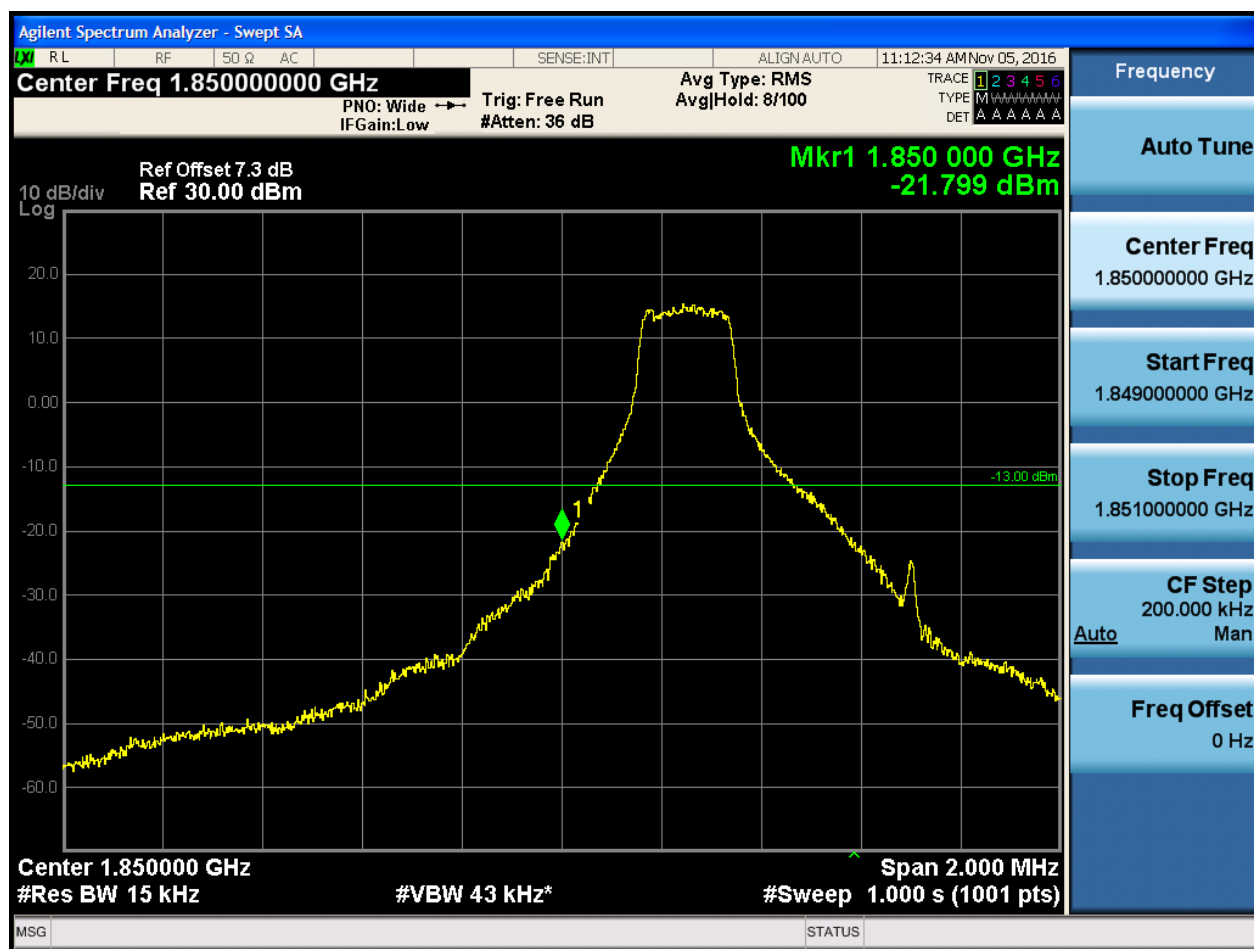
5.1.1 Test Band = BAND2

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



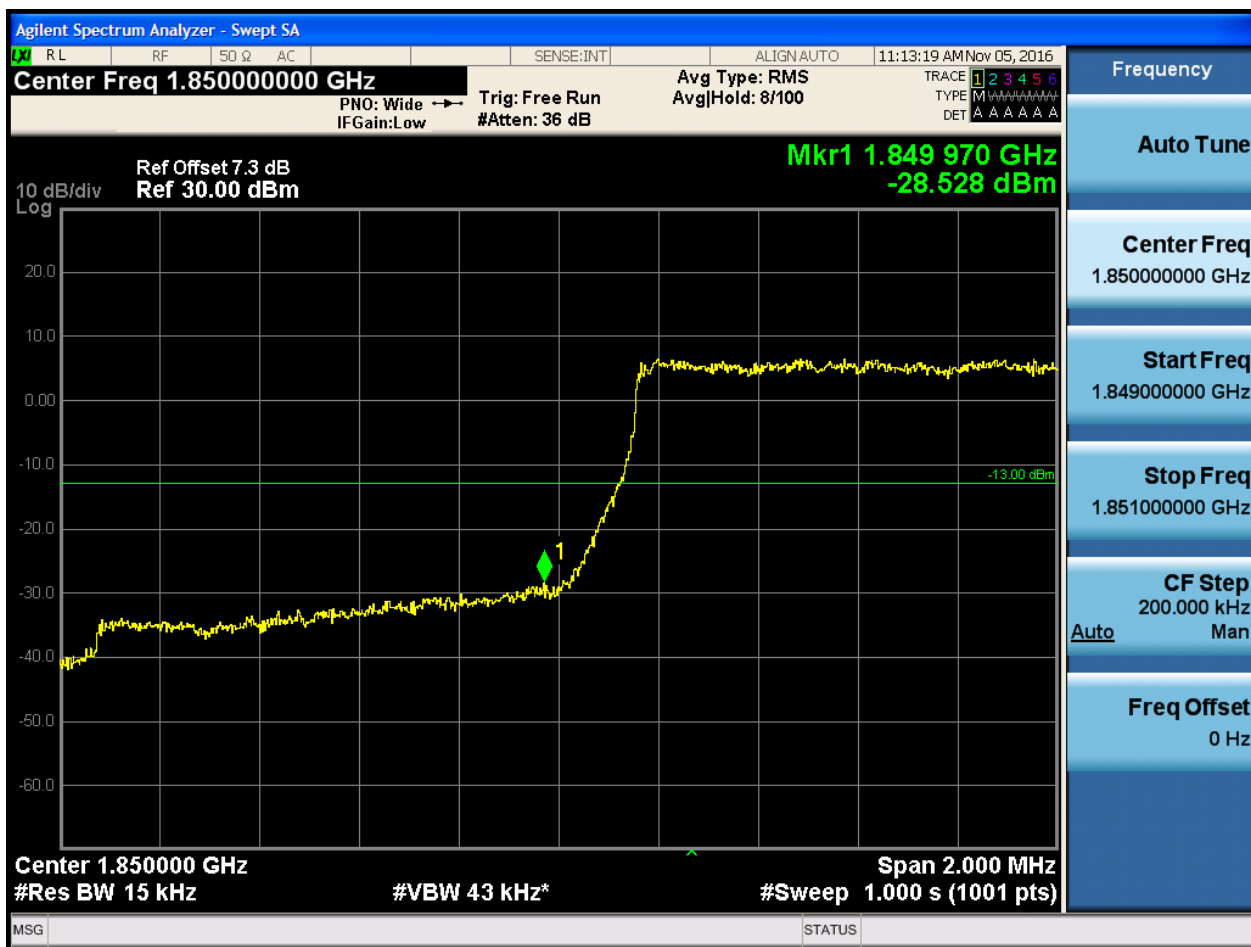


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





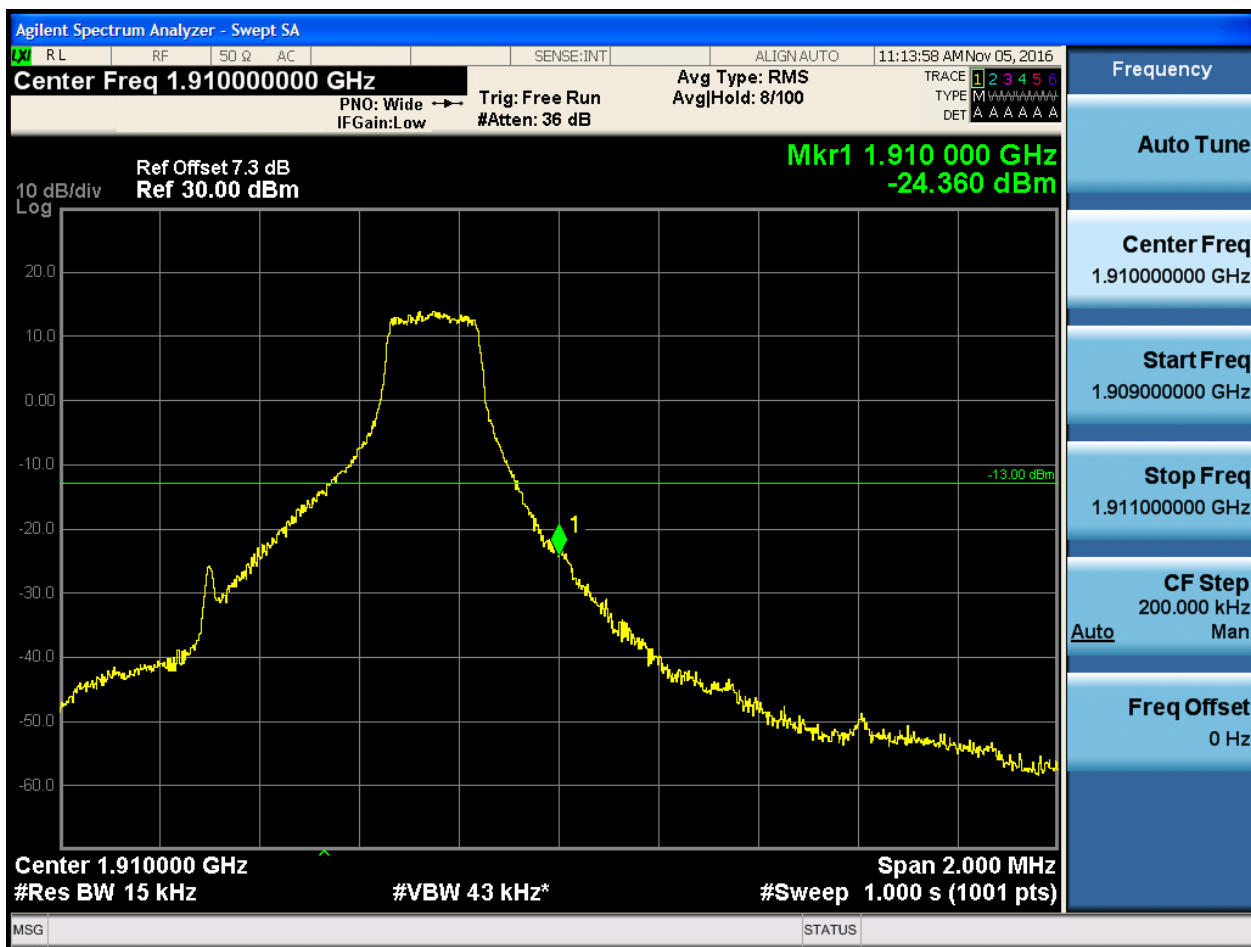
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.2.3 Test RB = RB3#2





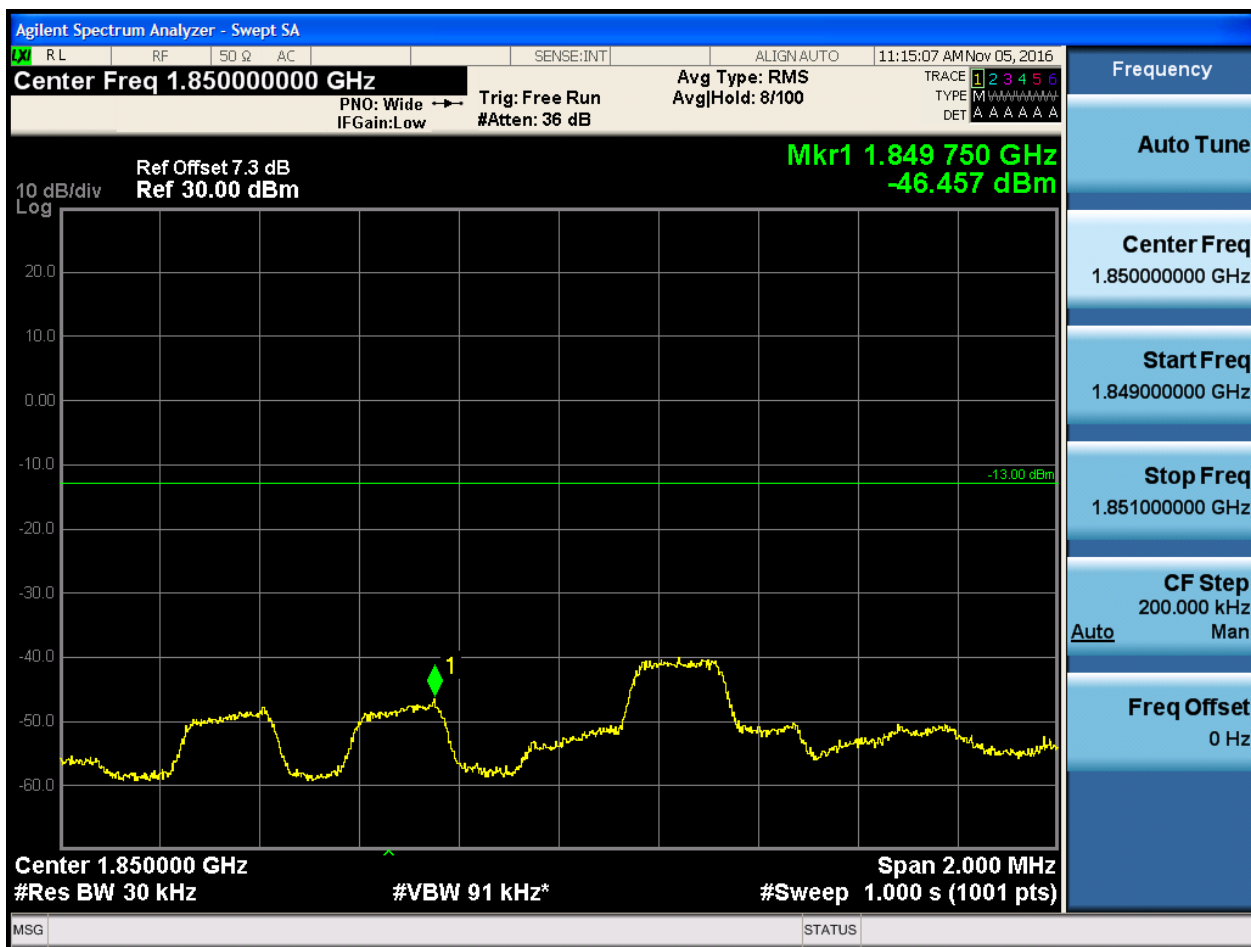
5.1.1.1.2.4 Test RB = RB6#0





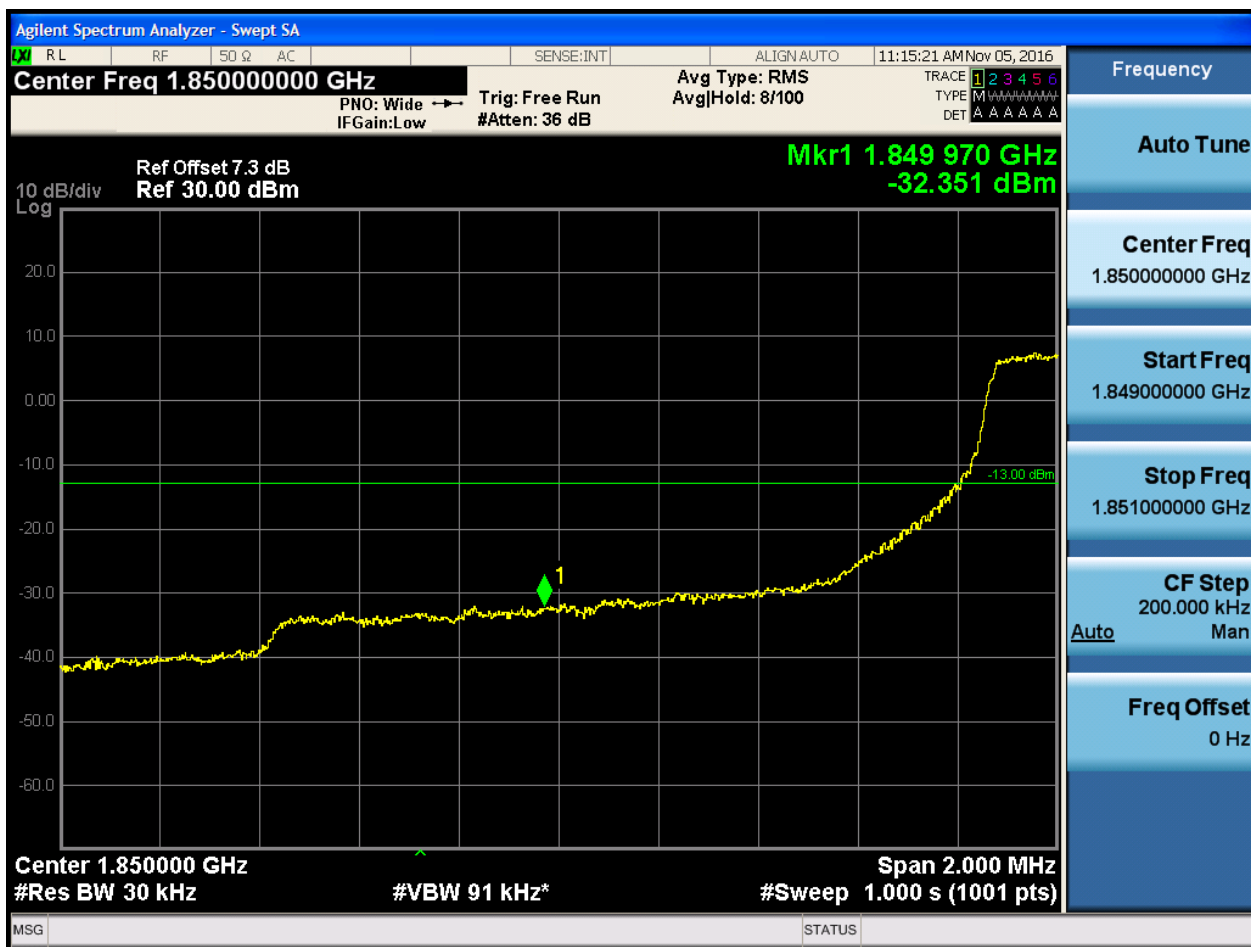


5.1.1.1.2.1.2 Test RB = RB1#14



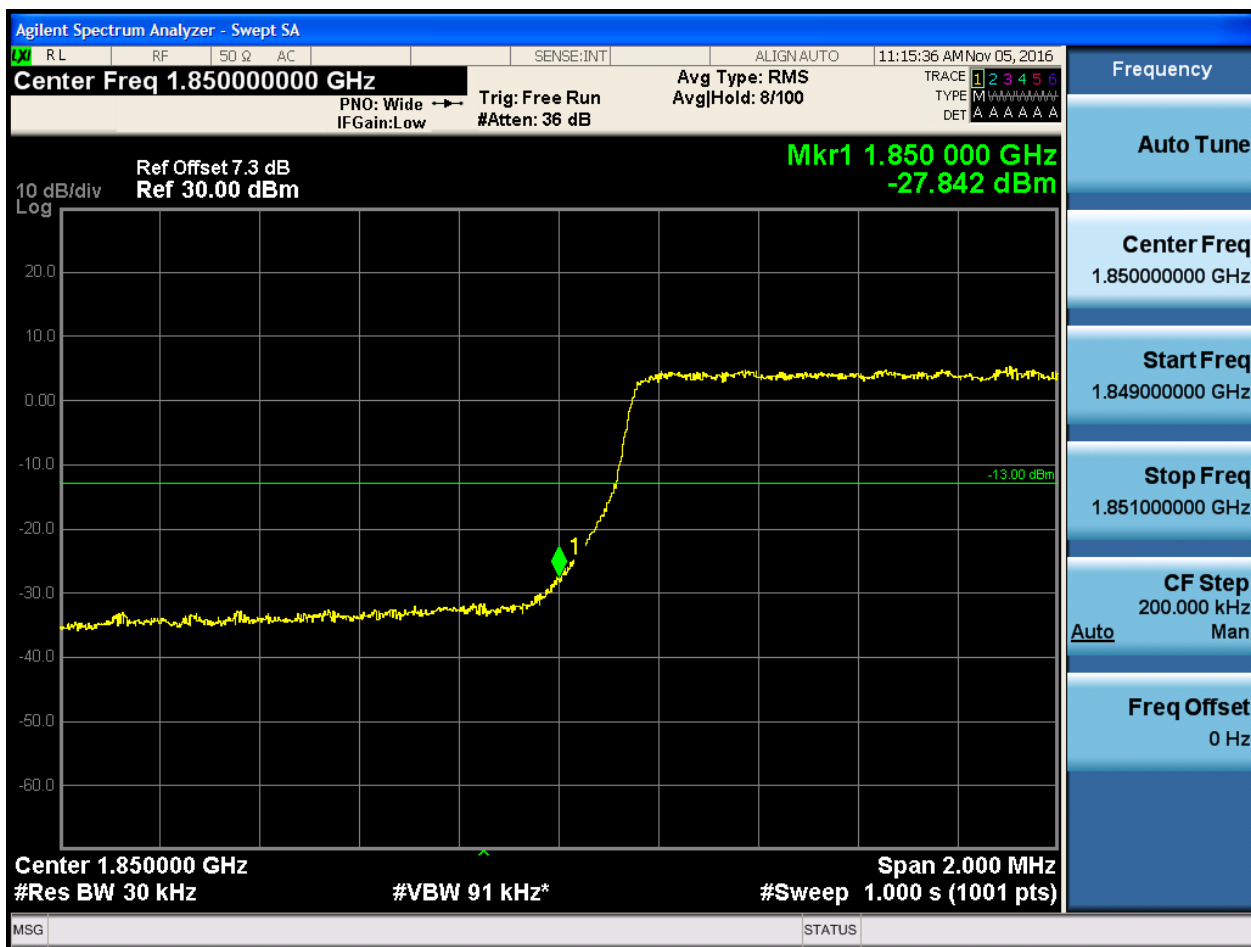


5.1.1.1.2.1.3 Test RB = RB8#4



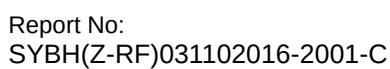


5.1.1.1.2.1.4 Test RB = RB15#0



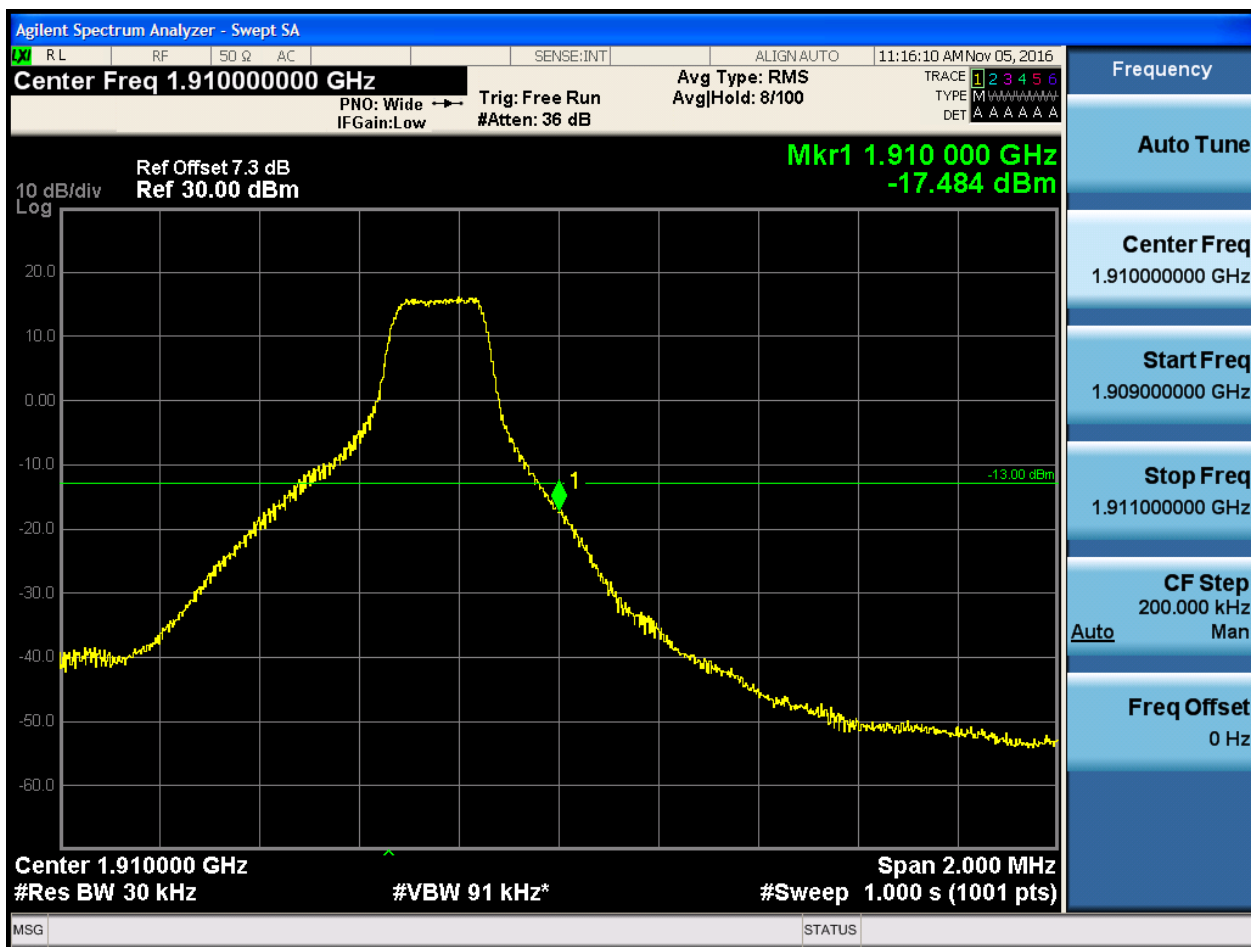


5.1.1.1.2.2.1 Test RB = RB1#0



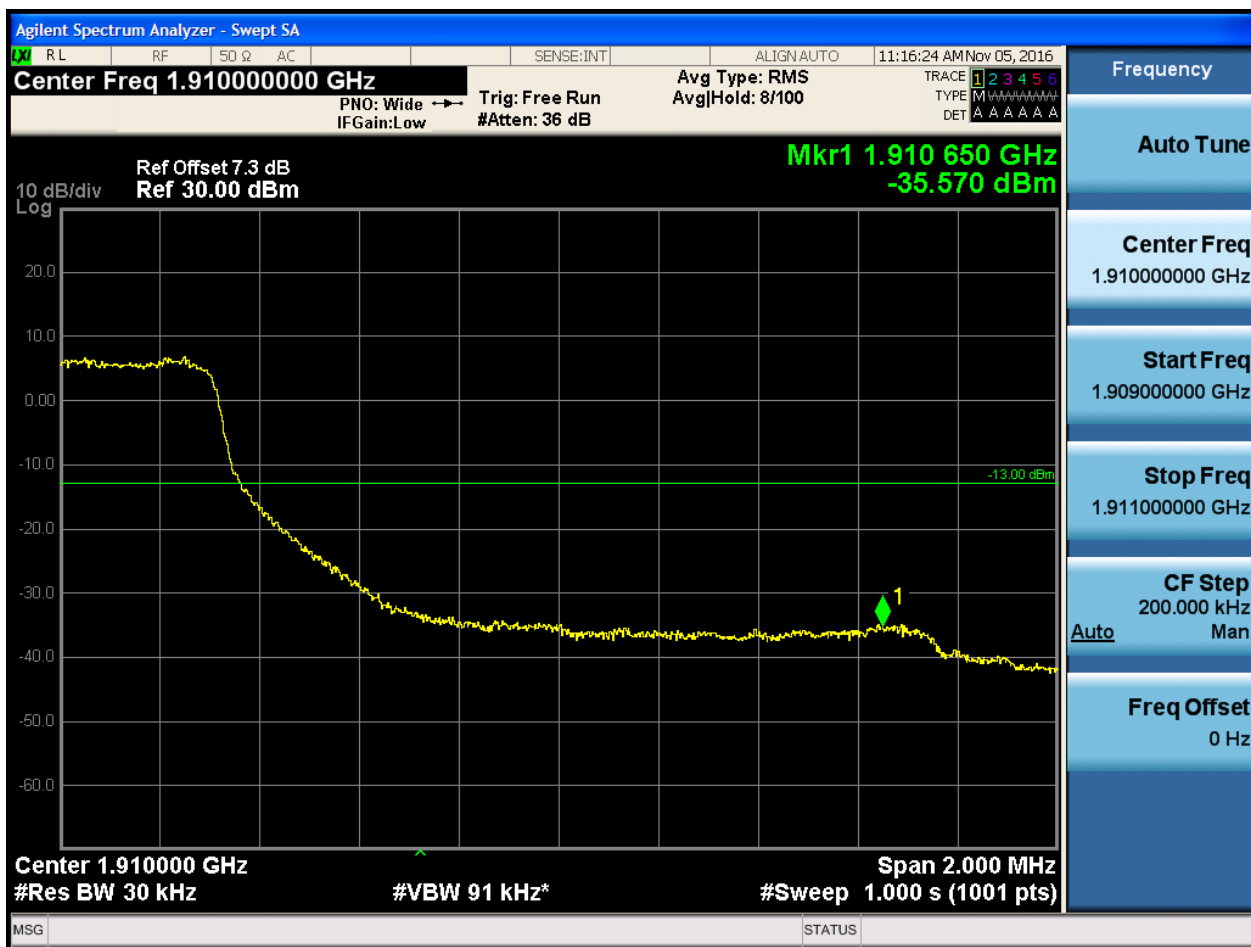


5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.910000000 GHz

Ref Offset 7.3 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-31.083 dBm

Center Freq 1.910000000 GHz

Start Freq 1.909000000 GHz

Stop Freq 1.911000000 GHz

CF Step 200.000 kHz
Auto

Freq Offset 0 Hz

Center 1.910000 GHz
#Res BW 30 kHz

#VBW 91 kHz*

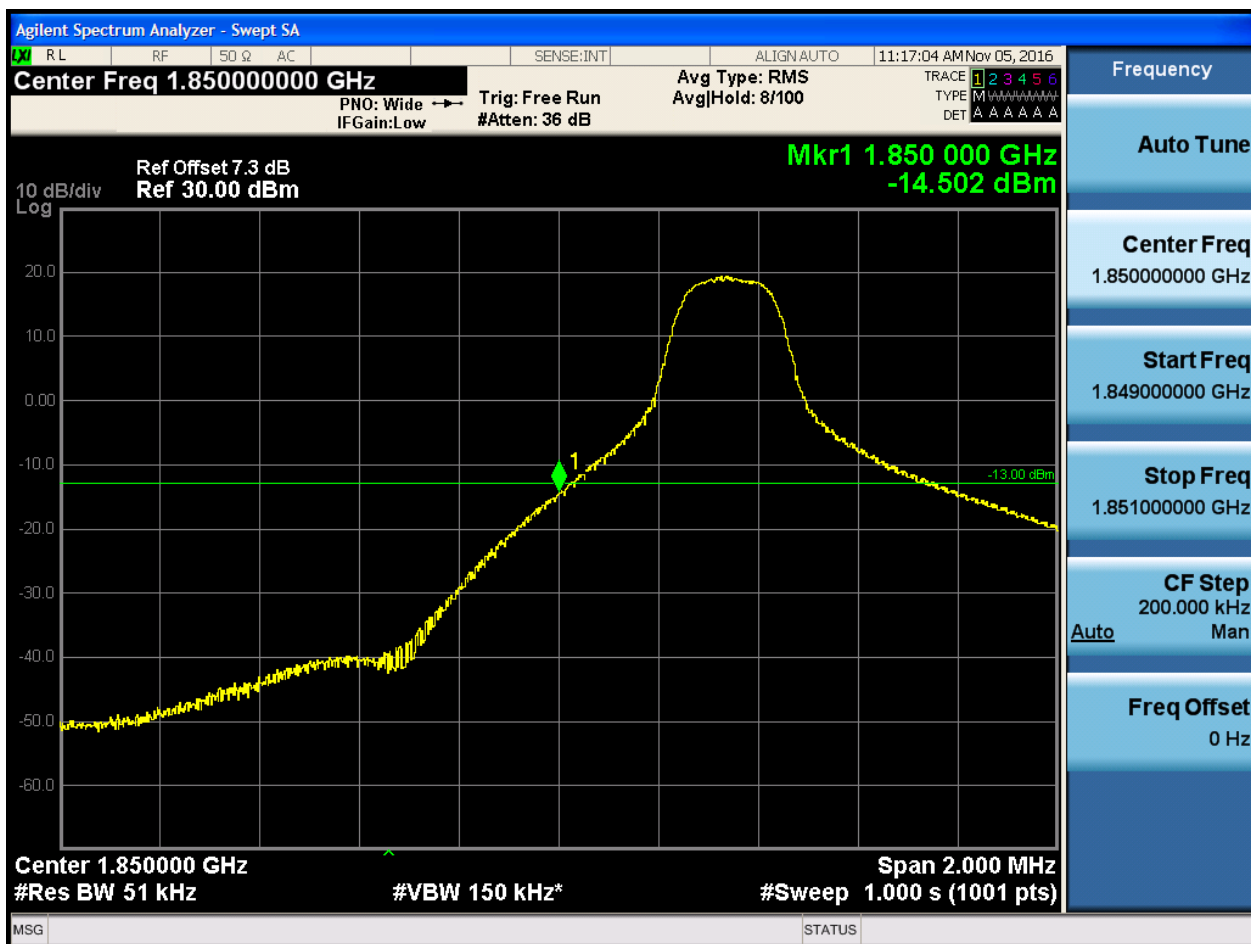
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)



5.1.1.1.3 Test Bandwidth = 5

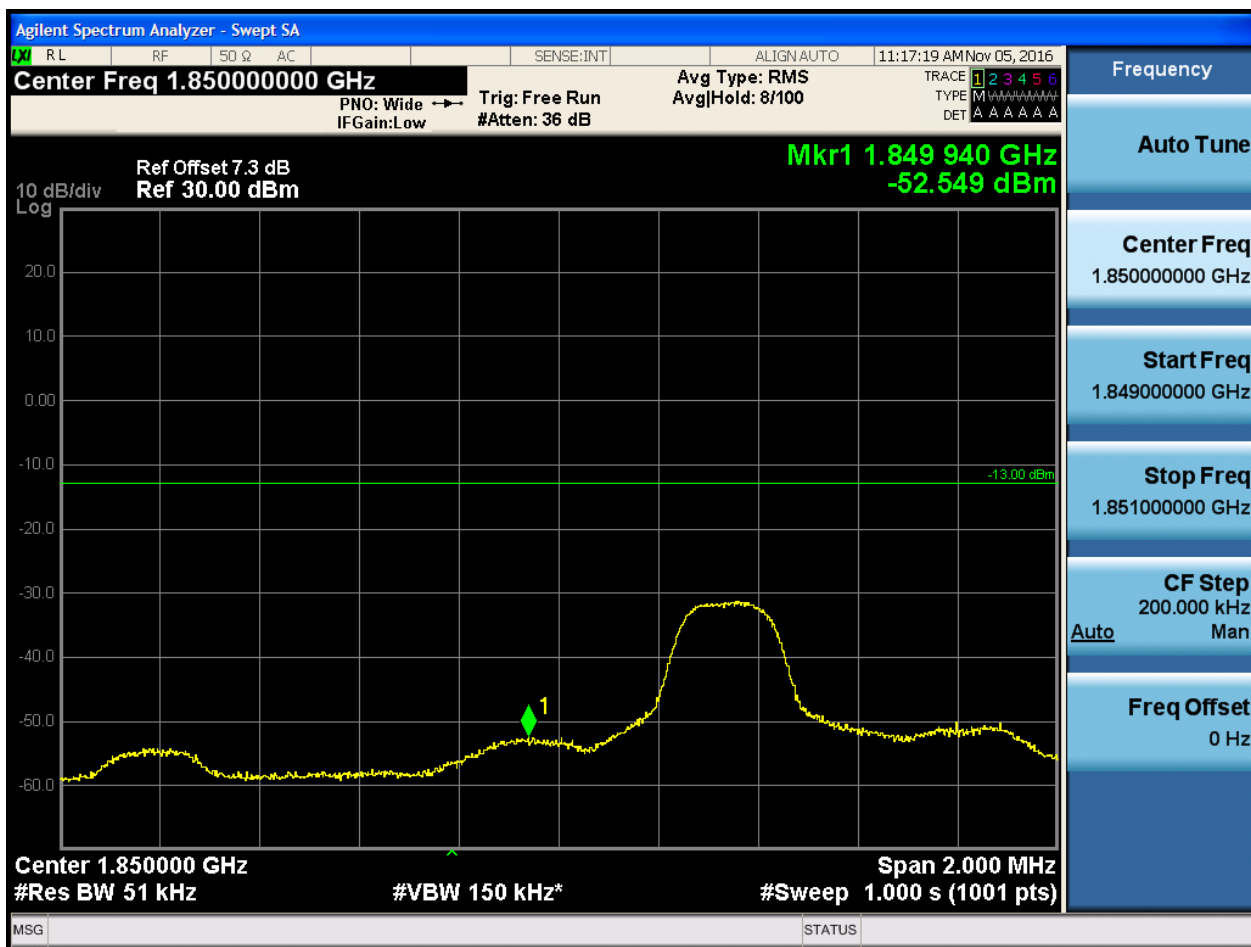
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



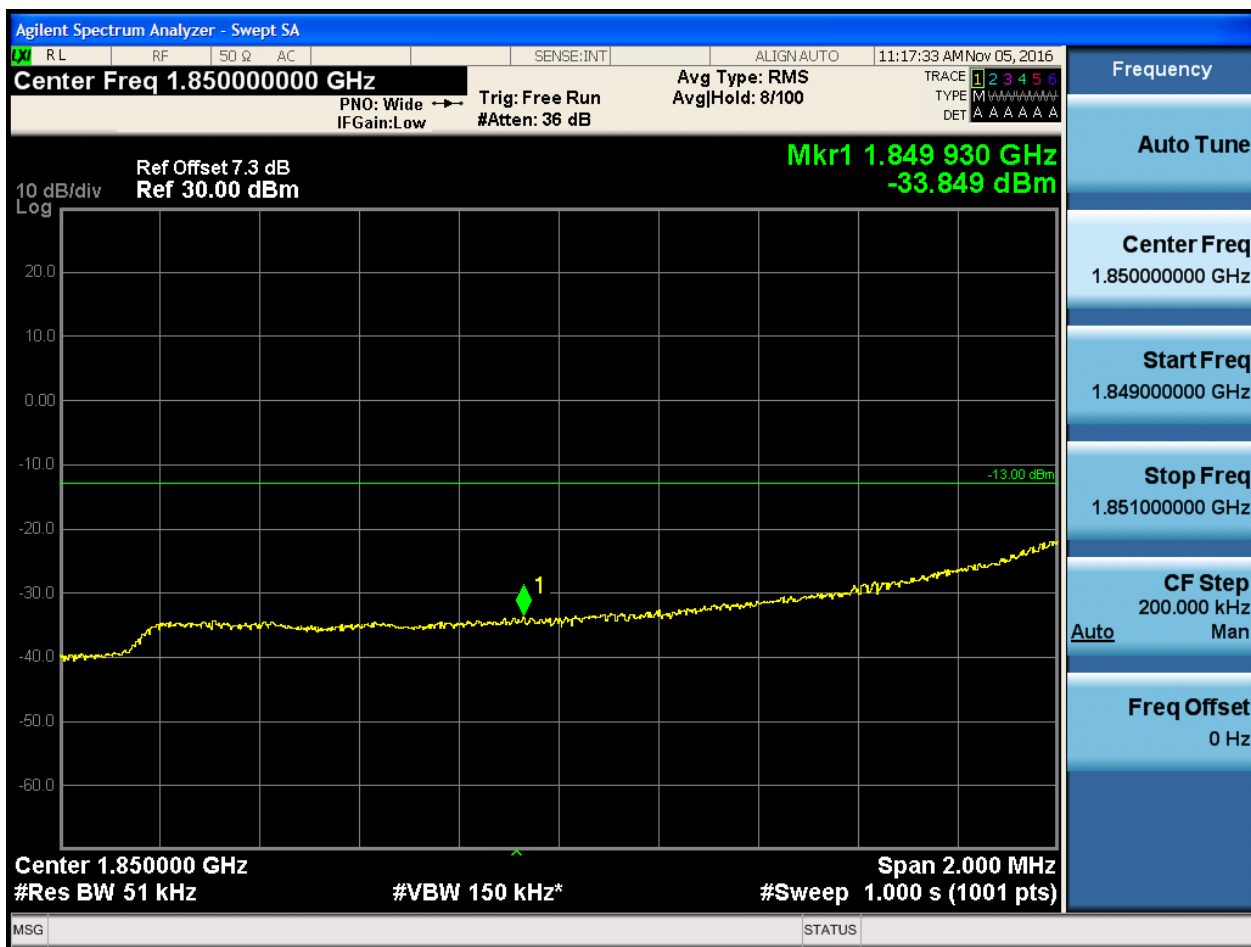


5.1.1.1.3.1.2 Test RB = RB1#24



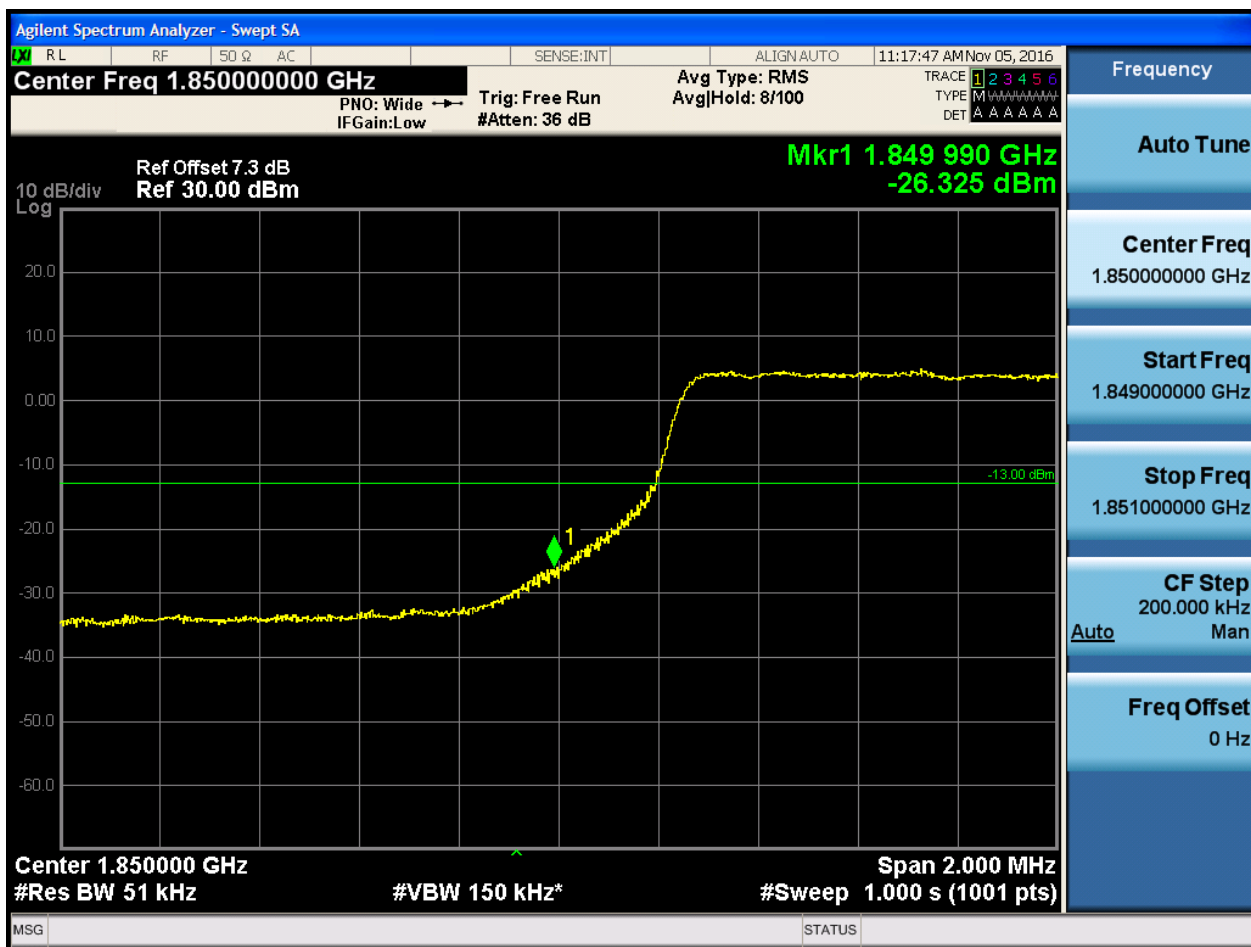


5.1.1.1.3.1.3 Test RB = RB12#6





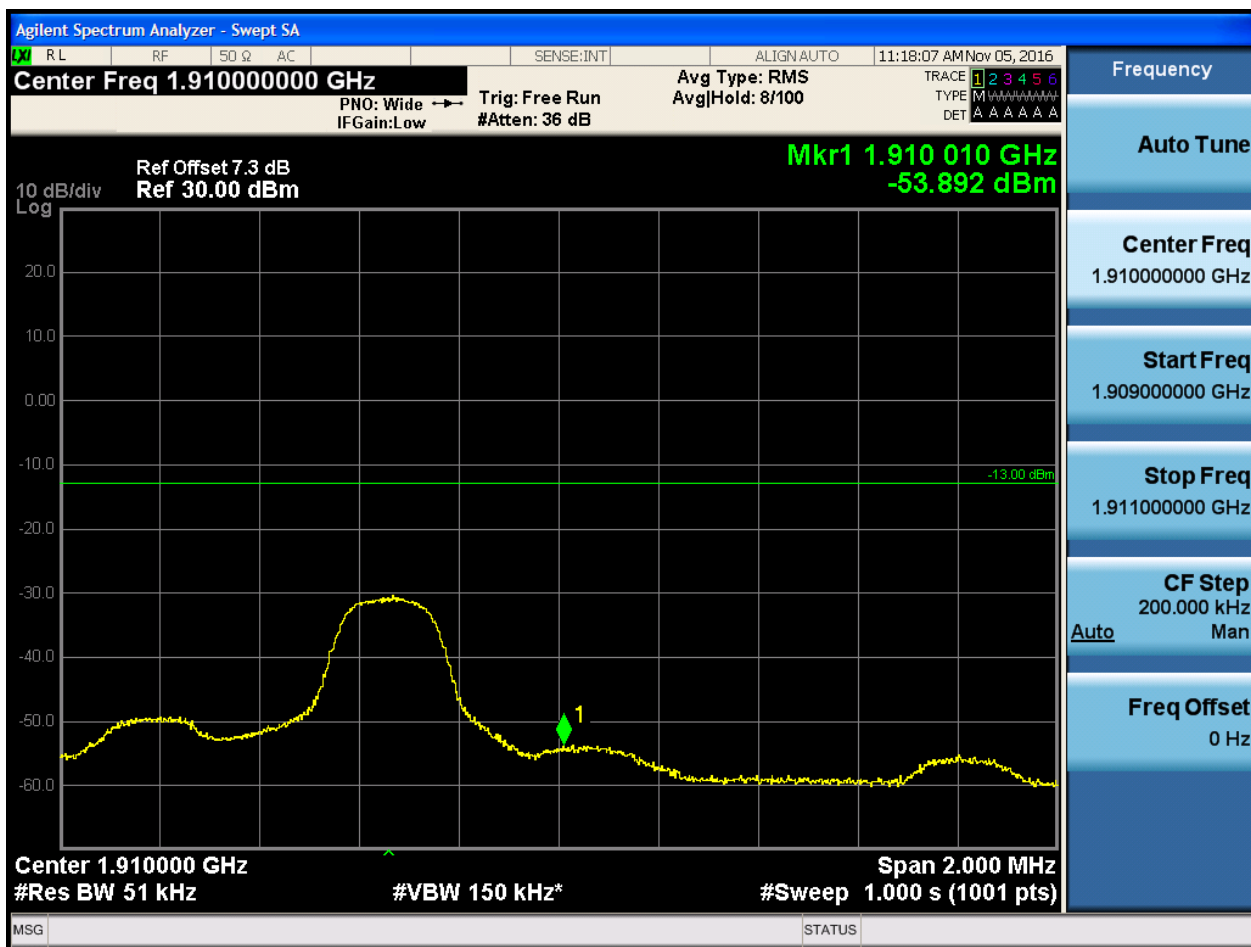
5.1.1.1.3.1.4 Test RB = RB25#0





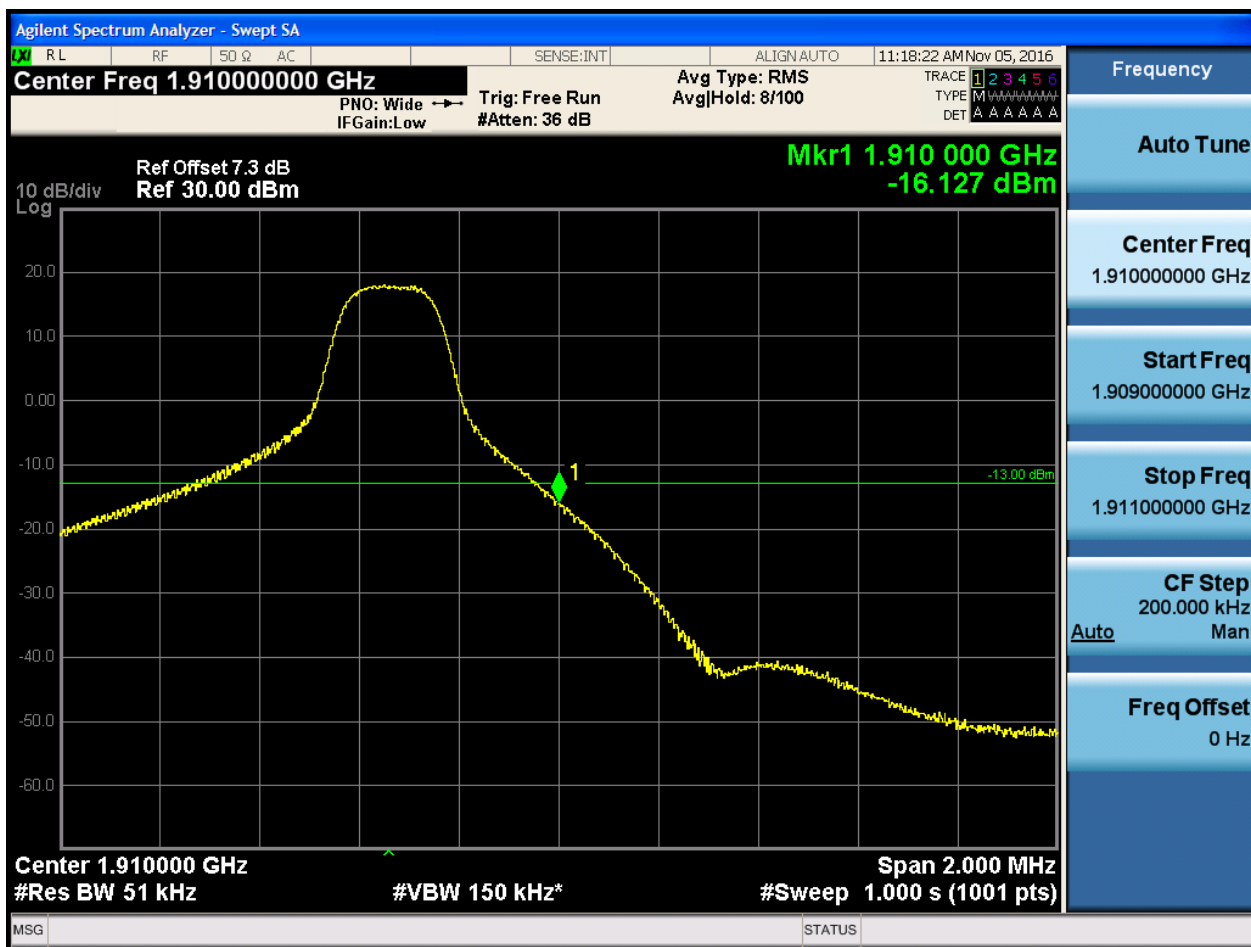
5.1.1.1.3.2 Test Channel = HCH

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

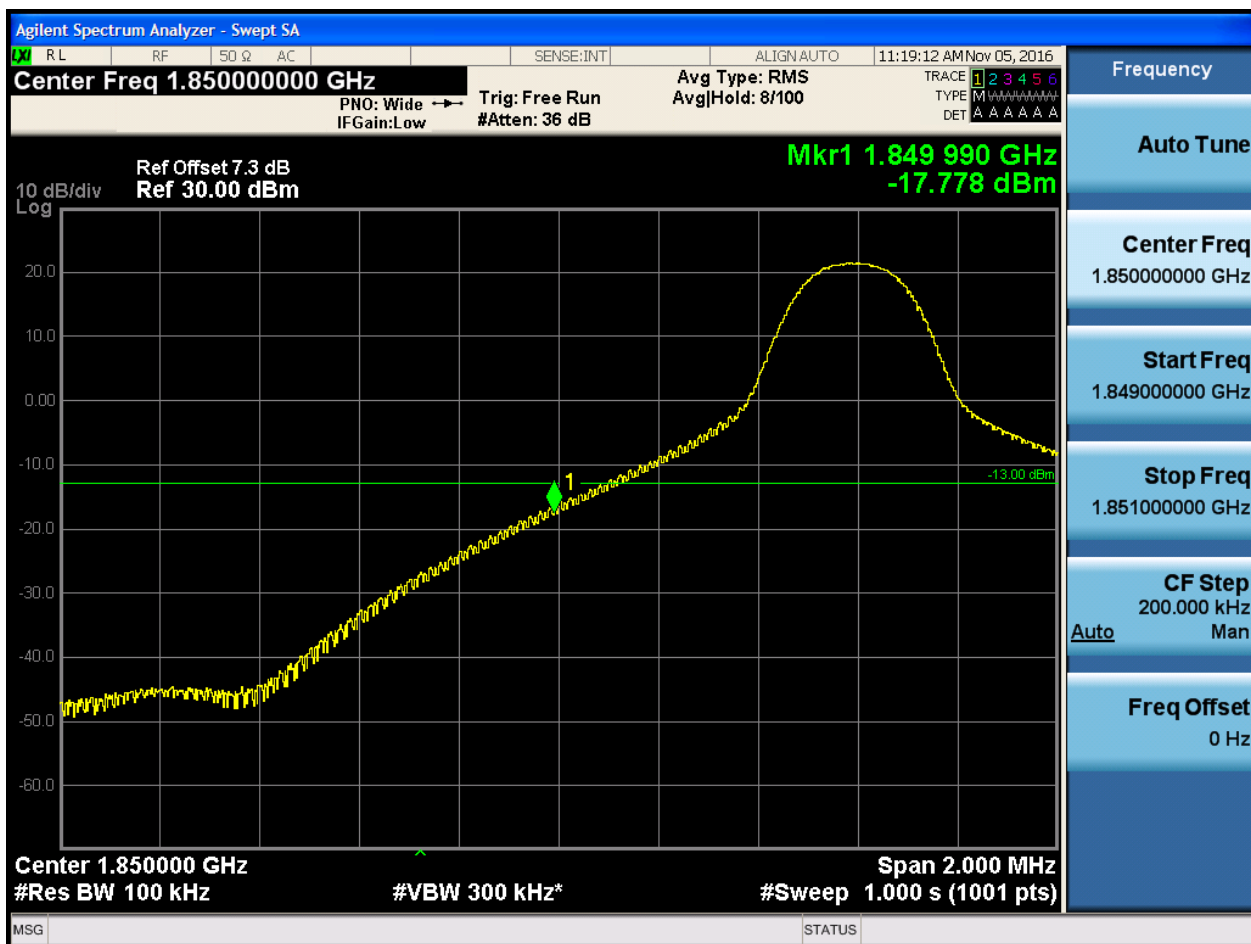




5.1.1.1.4 Test Bandwidth = 10

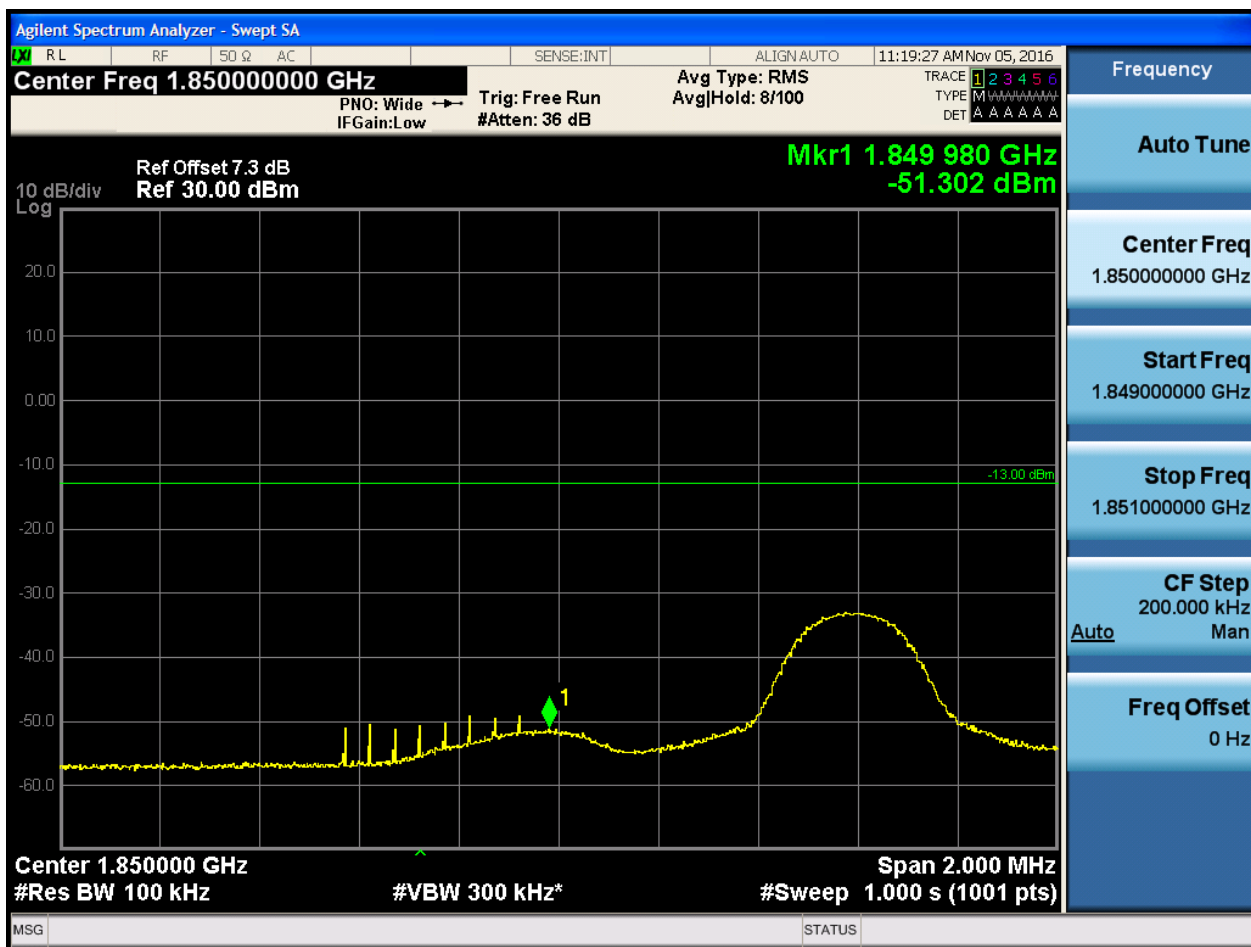
5.1.1.1.4.1 Test Channel = LCH

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



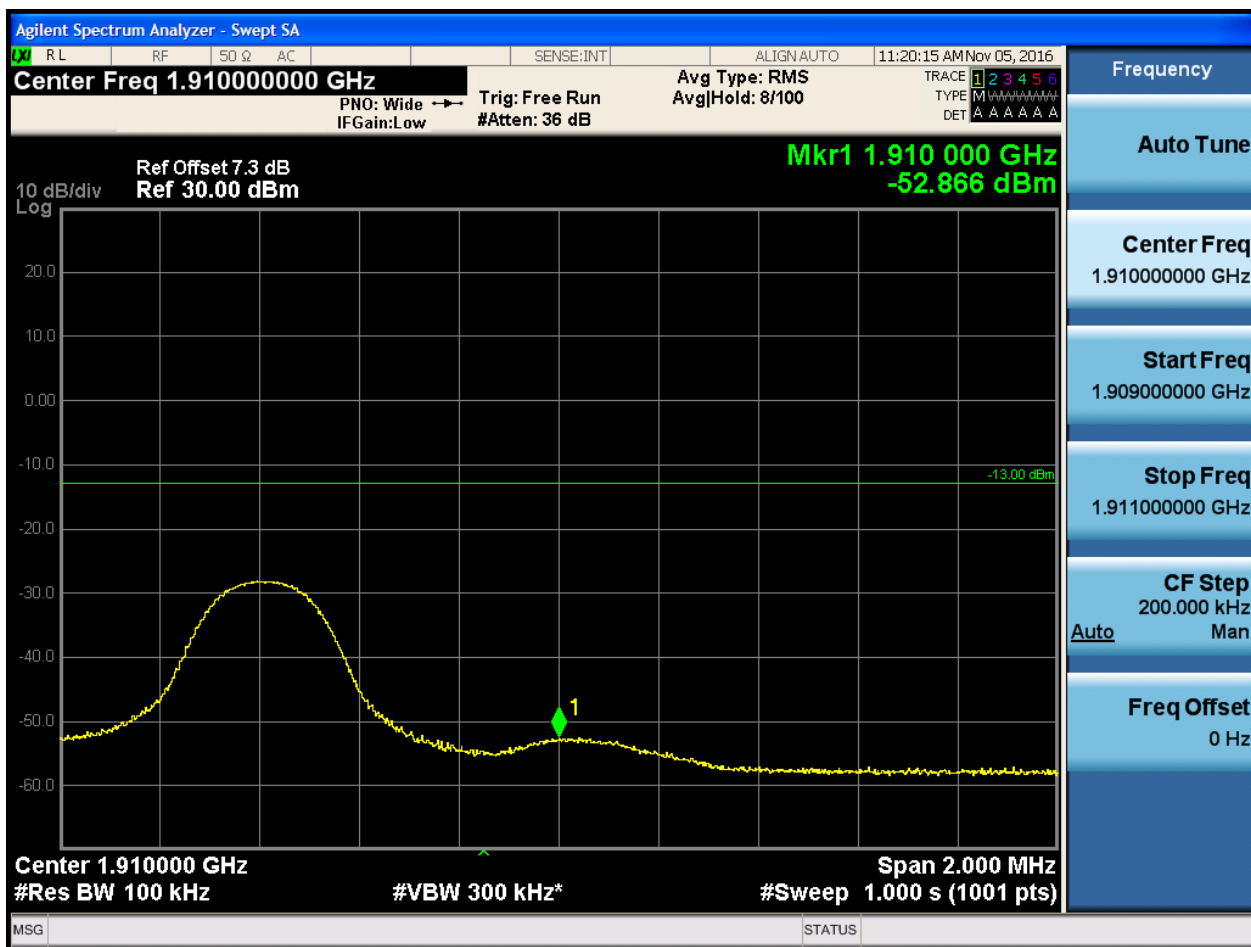


5.1.1.1.4.1.4 Test RB = RB50#0



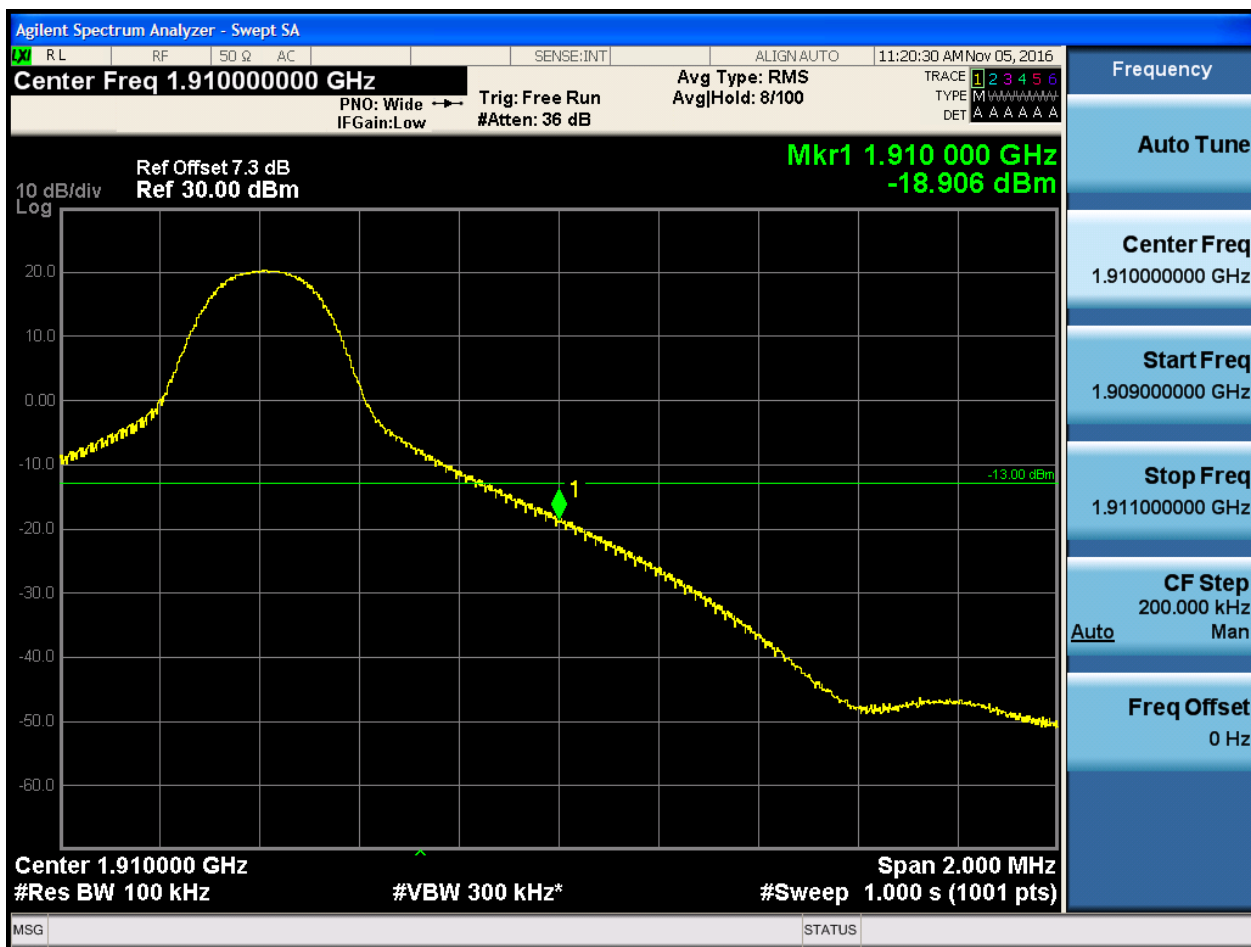
5.1.1.1.4.2 Test Channel = HCH

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:20:58 AM Nov 05, 2016

Center Freq 1.910000000 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 7.3 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-33.290 dBm

10 dB/div
Log

20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

Center 1.910000 GHz
#Res BW 100 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 300 kHz*

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

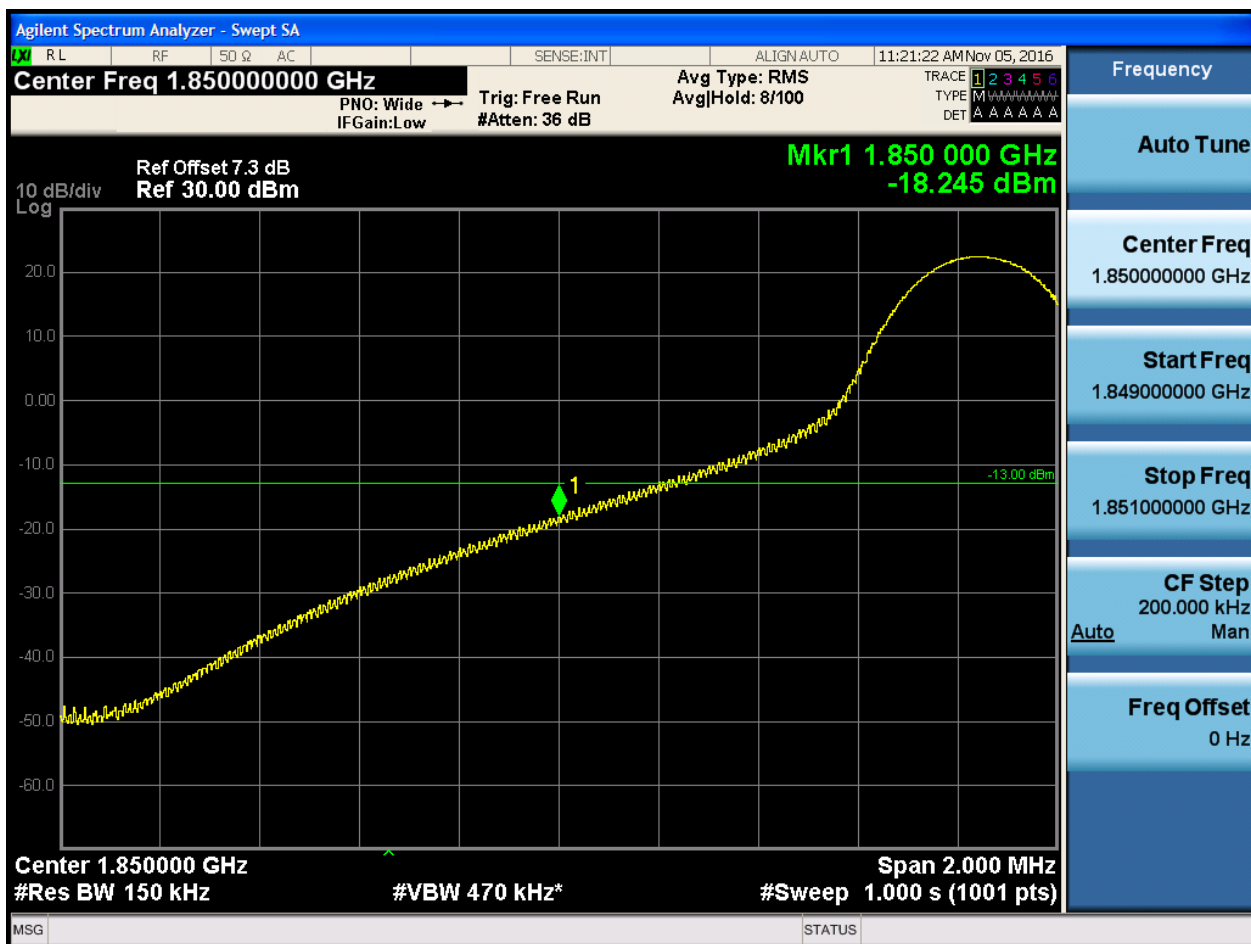
MSG STATUS



5.1.1.1.5 Test Bandwidth = 15

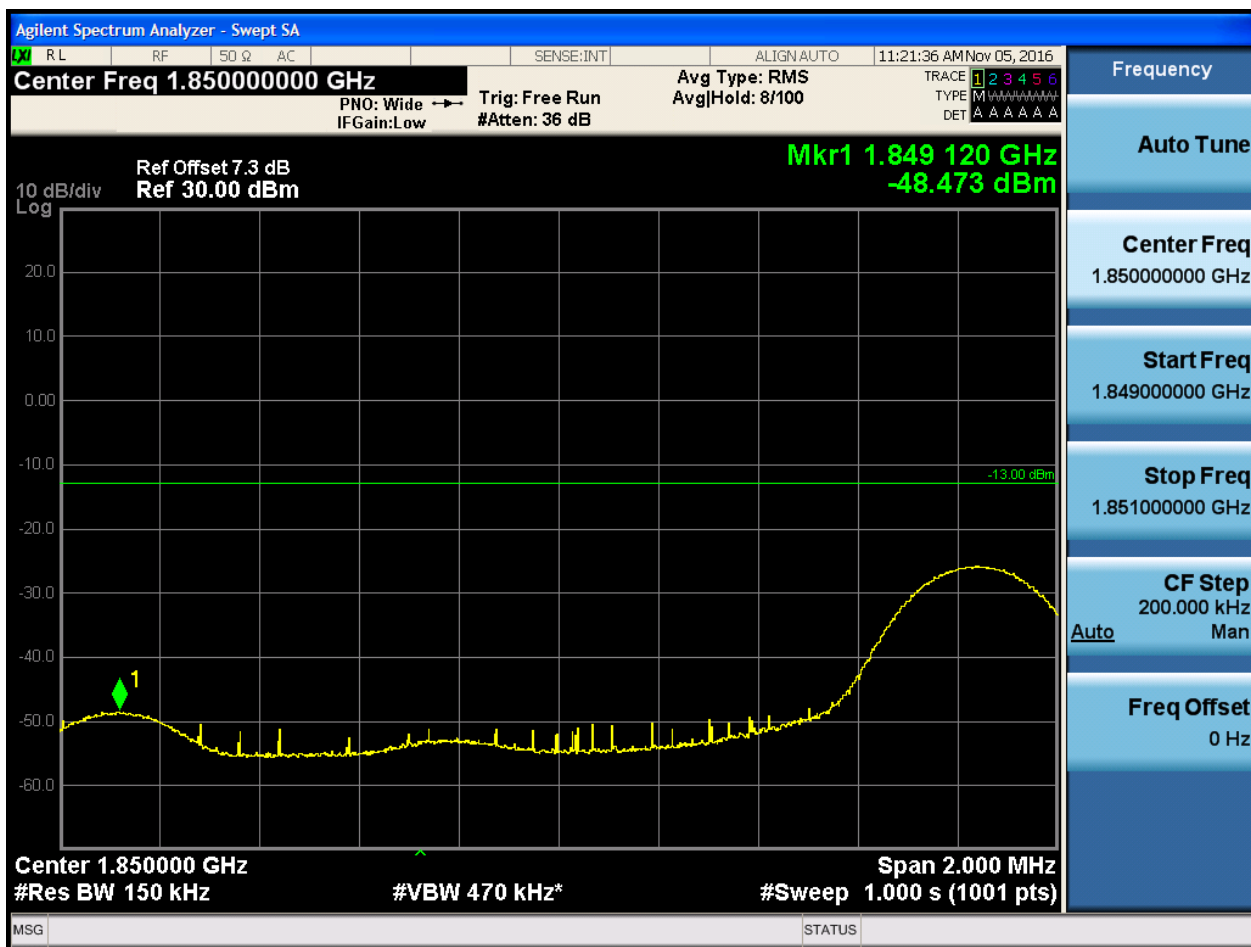
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0



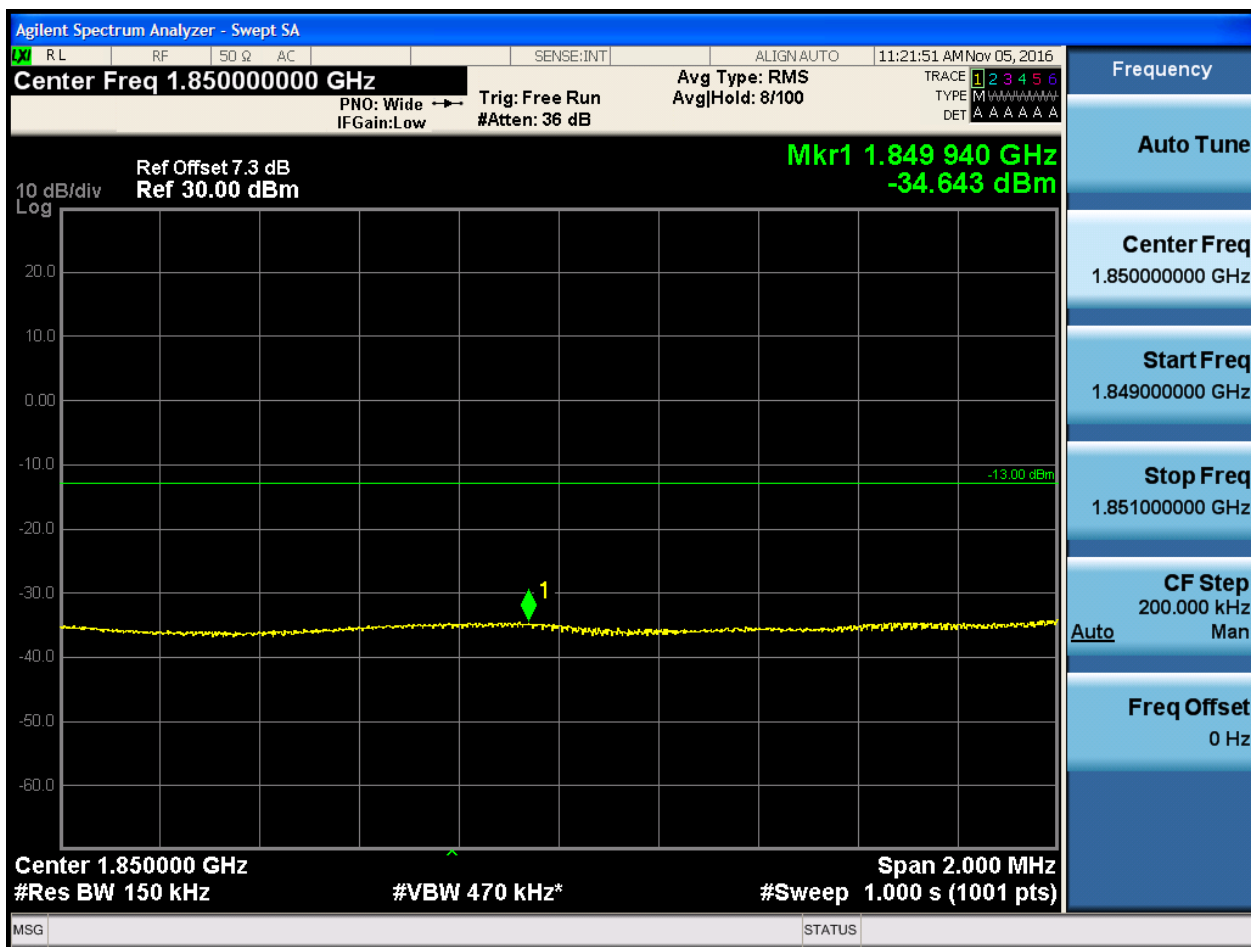


5.1.1.1.5.1.2 Test RB = RB1#74



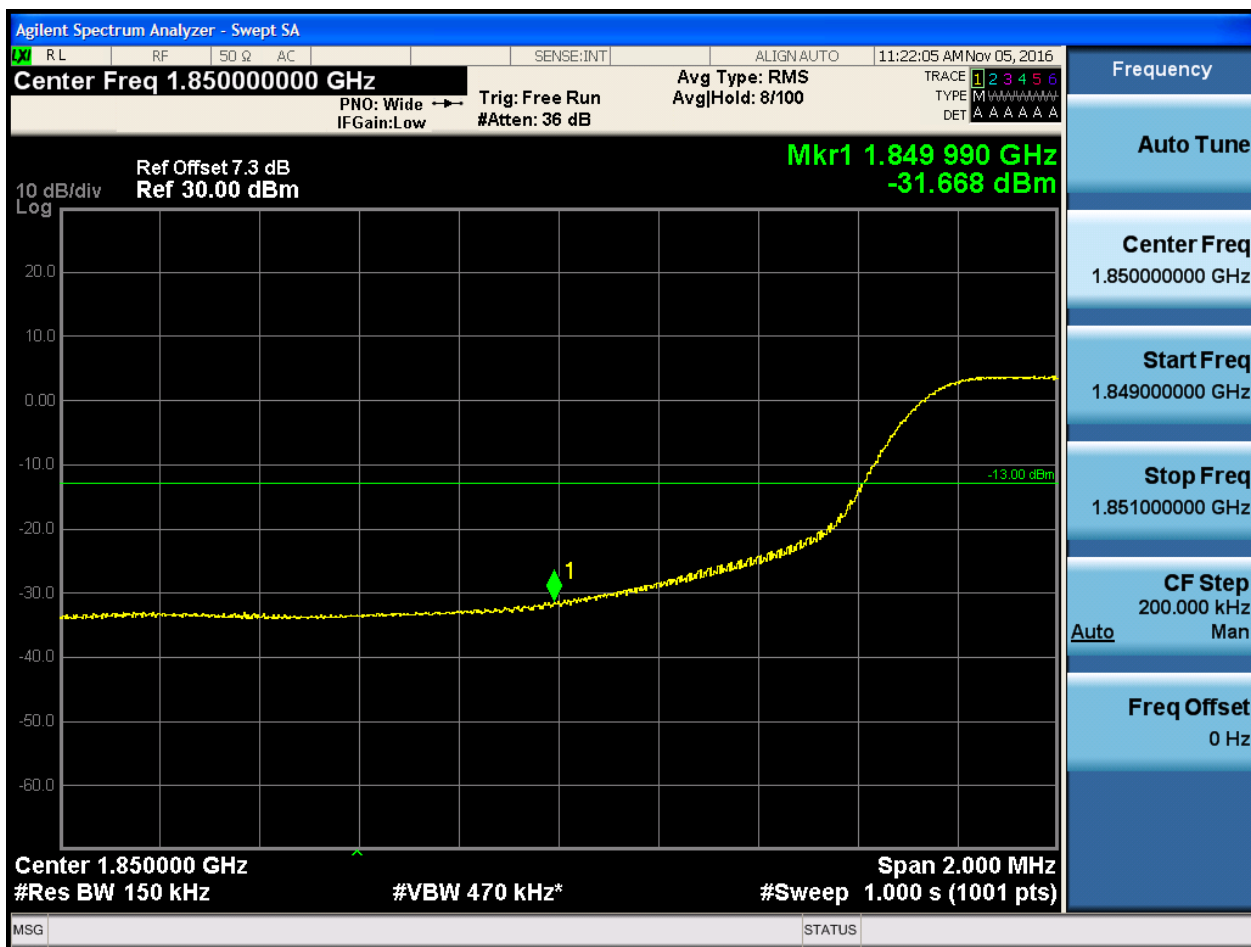


5.1.1.1.5.1.3 Test RB = RB38#19





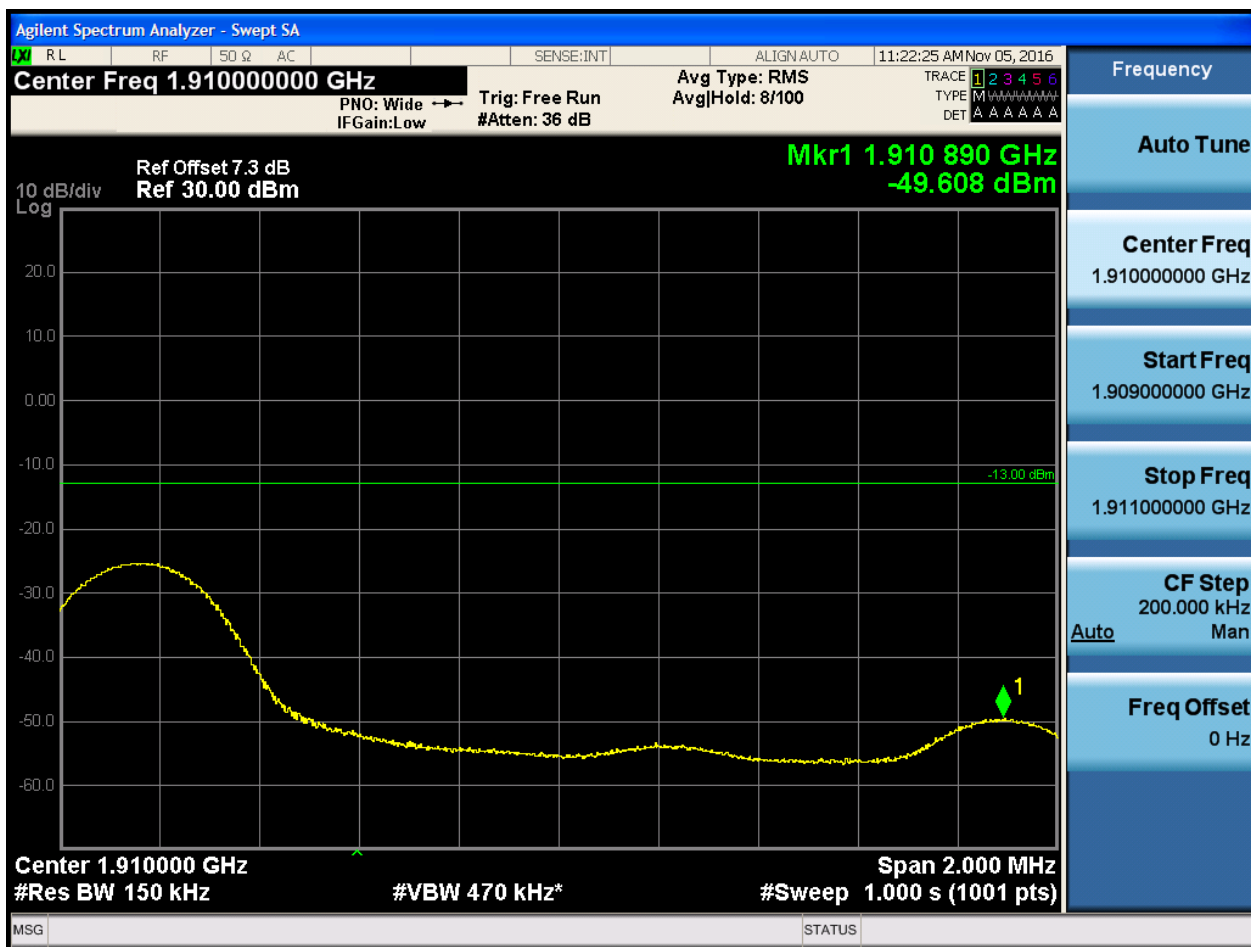
5.1.1.1.5.1.4 Test RB = RB75#0





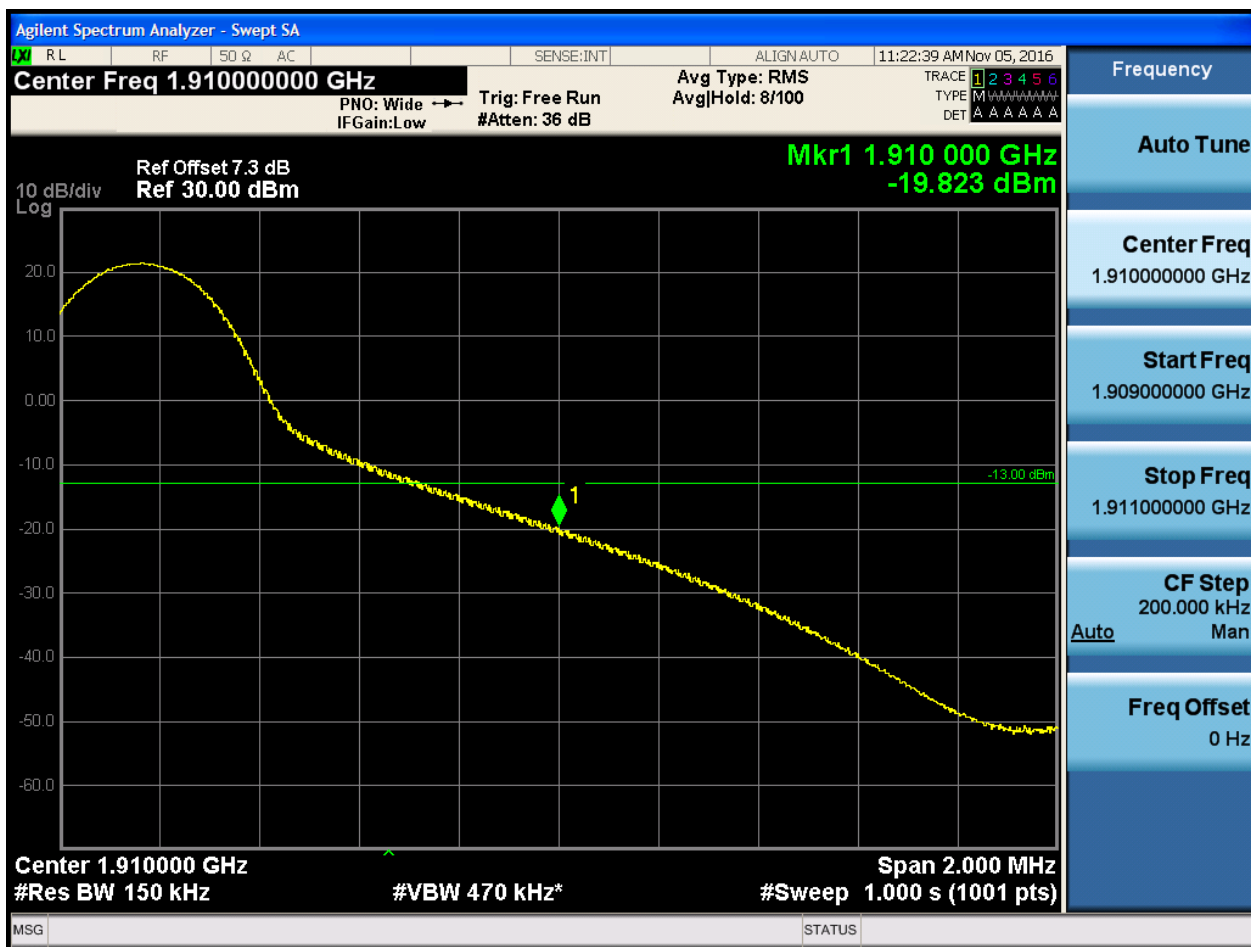
5.1.1.1.5.2 Test Channel = HCH

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

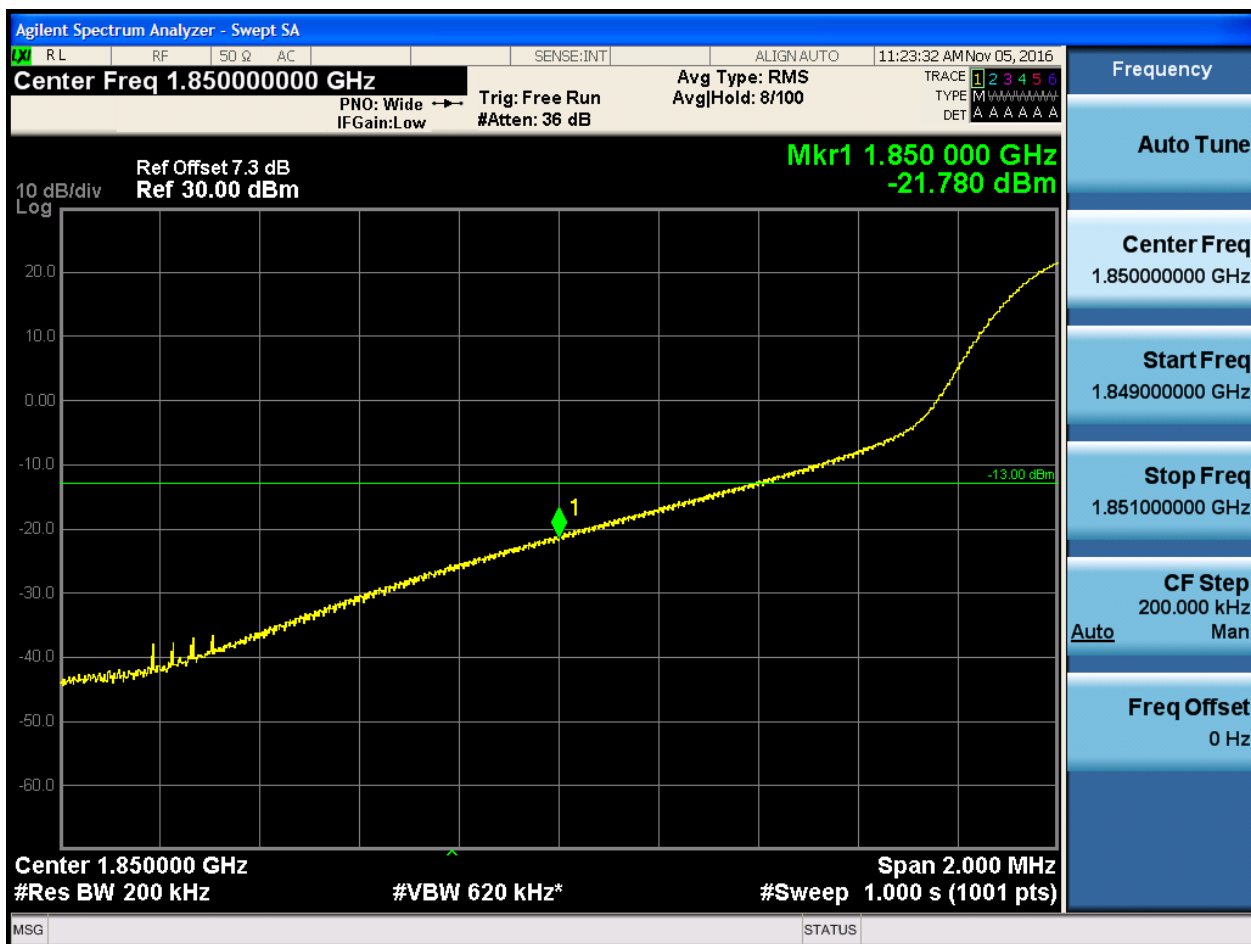




5.1.1.1.6 Test Bandwidth = 20

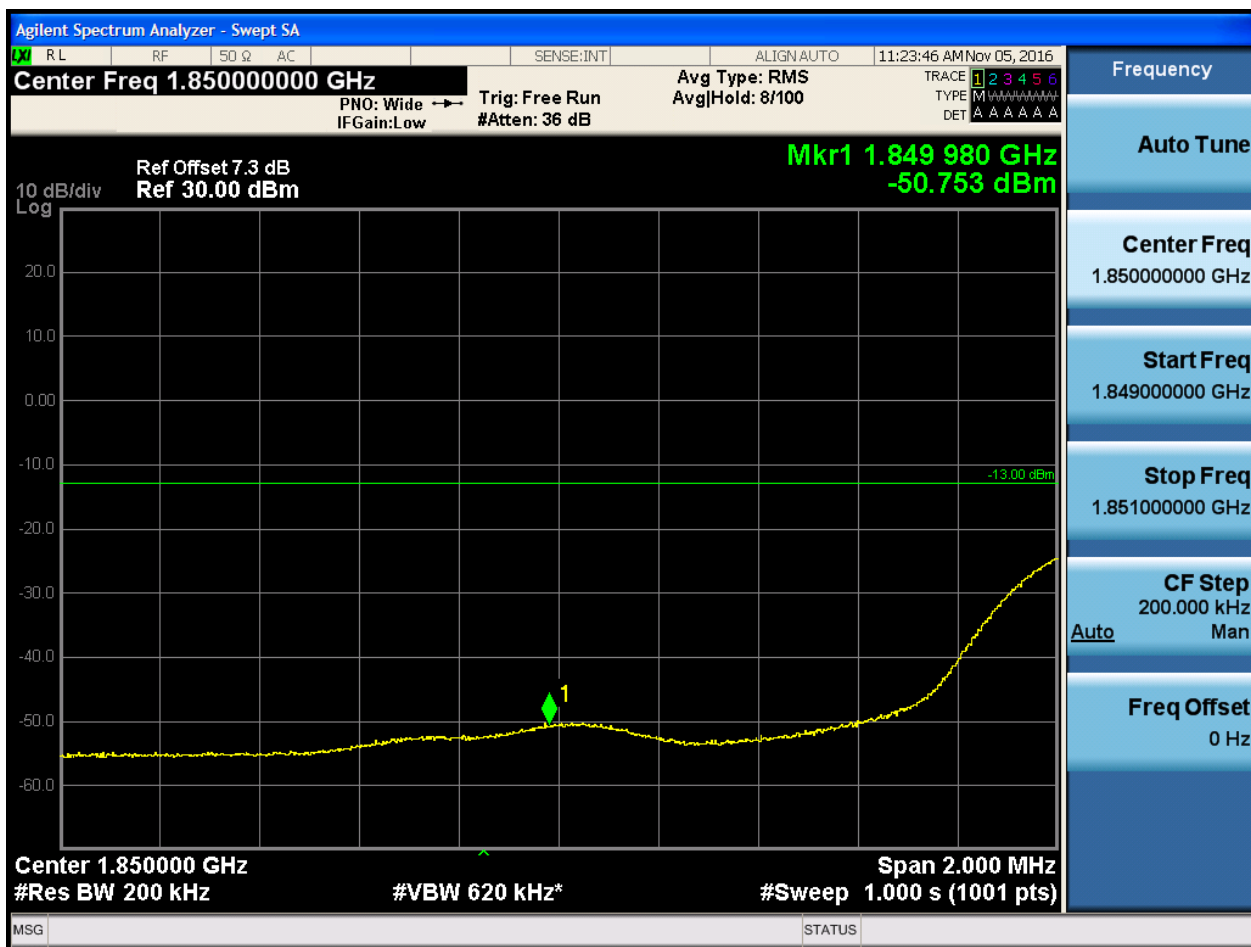
5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0





5.1.1.1.6.1.2 Test RB = RB1#99



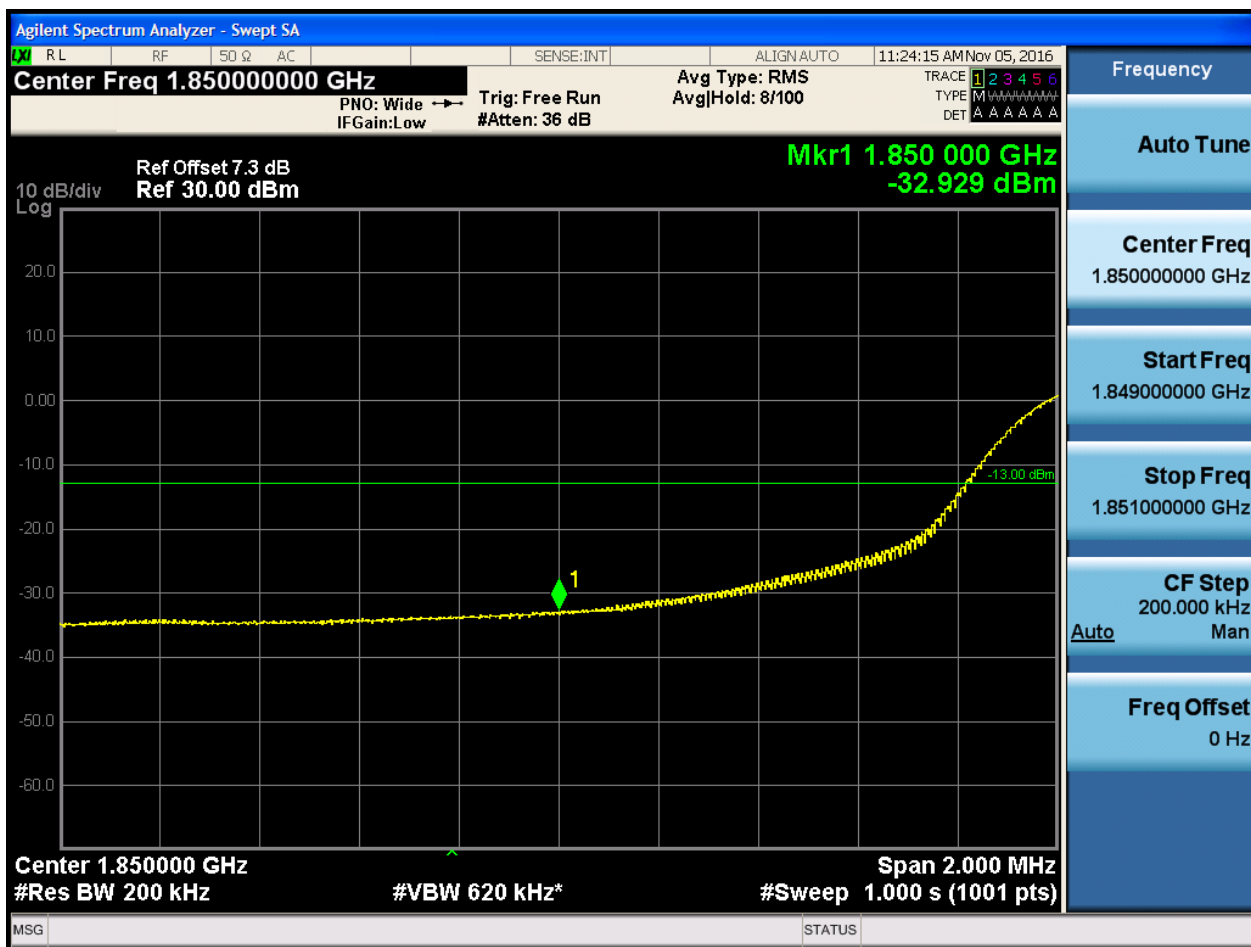


5.1.1.1.6.1.3 Test RB = RB50#25





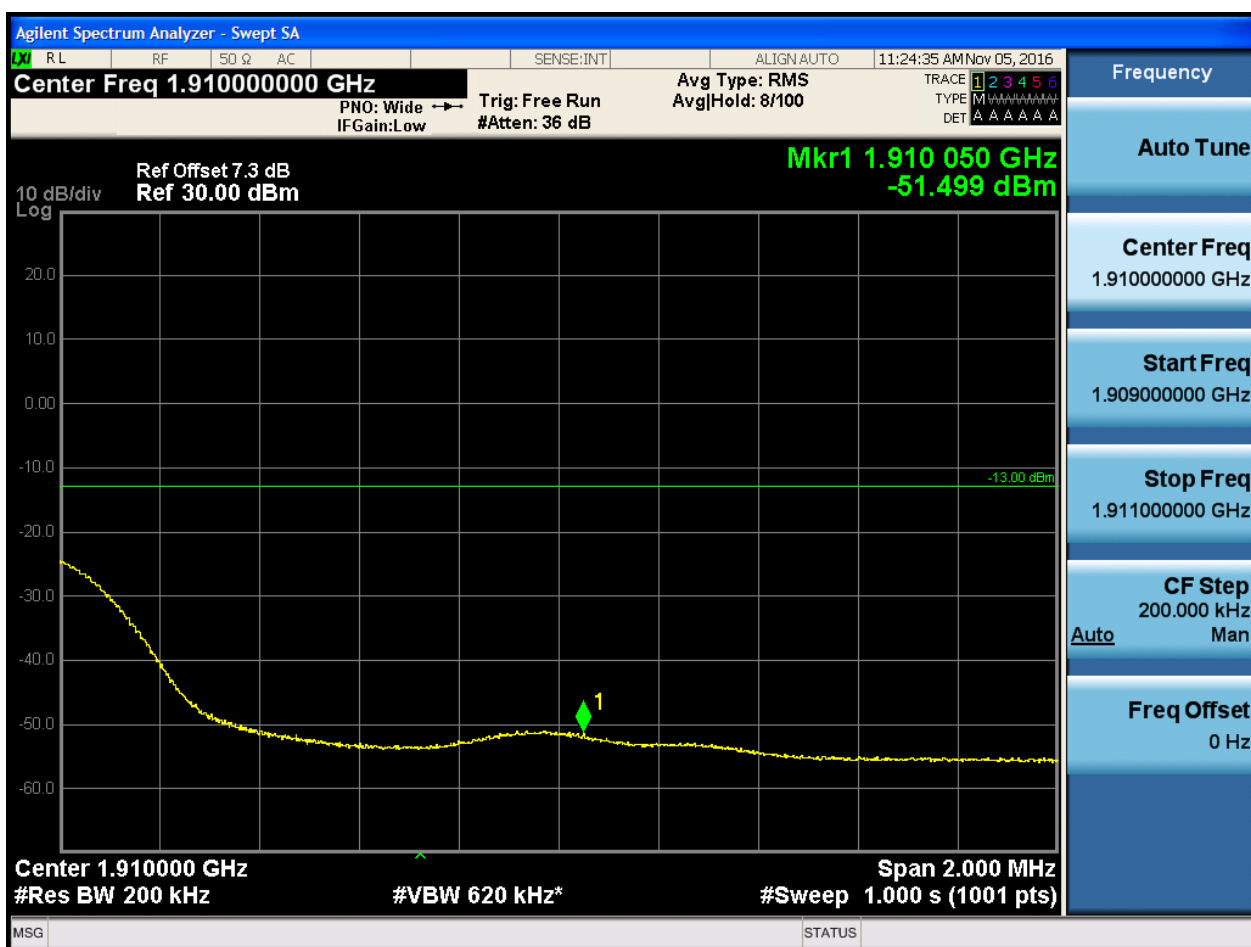
5.1.1.1.6.1.4 Test RB = RB100#0





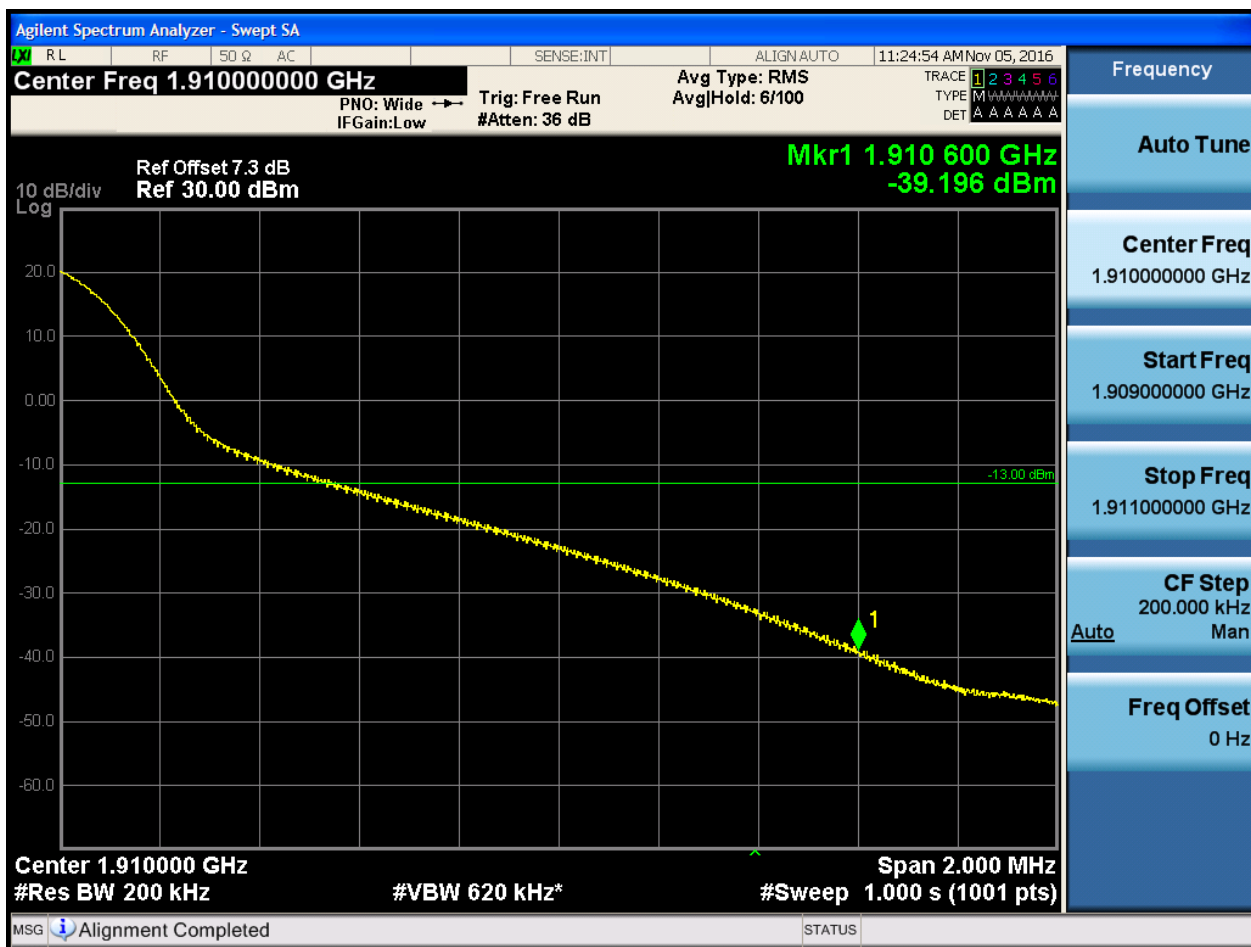
5.1.1.1.6.2 Test Channel = HCH

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



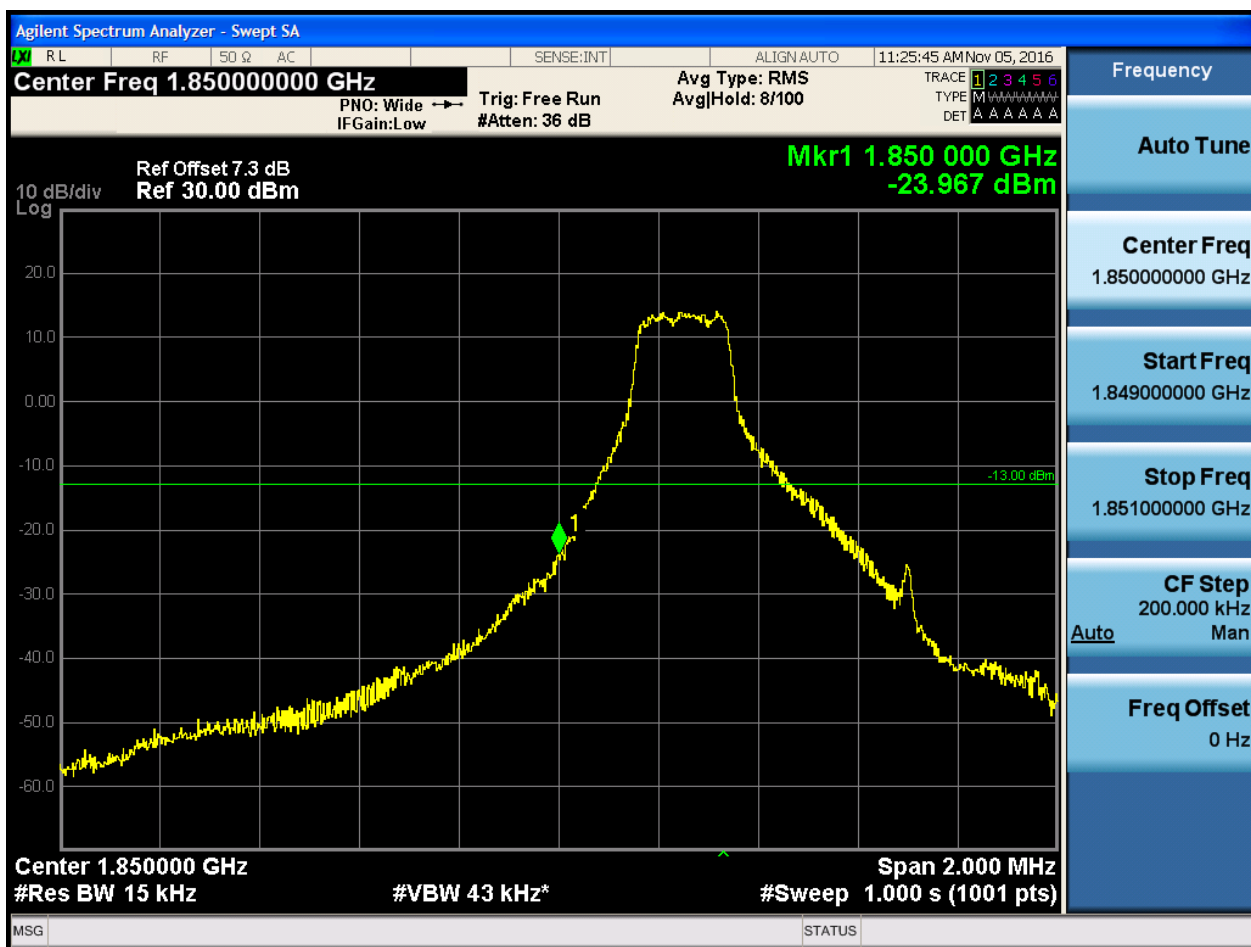


5.1.1.2 Test Mode = LTE/TM2

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





5.1.1.2.1.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2

