



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	21.25	21.25	33	PASS
				RB1#3	21.32	21.32	33	PASS
				RB1#5	21.4	21.4	33	PASS
				RB3#0	21.34	21.34	33	PASS
				RB3#2	21.41	21.41	33	PASS
				RB3#3	21.4	21.4	33	PASS
				RB6#0	20.33	20.33	33	PASS
			MCH	RB1#0	21.31	21.31	33	PASS
				RB1#3	21.48	21.48	33	PASS
				RB1#5	21.39	21.39	33	PASS
				RB3#0	21.37	21.37	33	PASS
				RB3#2	21.45	21.45	33	PASS
				RB3#3	21.45	21.45	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB6#0	20.43	20.43	33	PASS
			HCH	RB1#0	21.46	21.46	33	PASS
				RB1#3	21.67	21.67	33	PASS
				RB1#5	21.49	21.49	33	PASS
				RB3#0	21.38	21.38	33	PASS
				RB3#2	21.48	21.48	33	PASS
				RB3#3	21.47	21.47	33	PASS
				RB6#0	20.44	20.44	33	PASS
		3	LCH	RB1#0	21.6	21.6	33	PASS
				RB1#7	21.65	21.65	33	PASS
				RB1#14	21.66	21.66	33	PASS
				RB8#0	20.47	20.47	33	PASS
				RB8#4	20.38	20.38	33	PASS
				RB8#7	20.46	20.46	33	PASS
				RB15#0	20.4	20.4	33	PASS
			MCH	RB1#0	21.71	21.71	33	PASS
				RB1#7	21.65	21.65	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#14	21.74	21.74	33	PASS
				RB8#0	20.51	20.51	33	PASS
				RB8#4	20.5	20.5	33	PASS
				RB8#7	20.53	20.53	33	PASS
				RB15#0	20.61	20.61	33	PASS
			HCH	RB1#0	21.52	21.52	33	PASS
				RB1#7	21.63	21.63	33	PASS
				RB1#14	21.59	21.59	33	PASS
				RB8#0	20.44	20.44	33	PASS
				RB8#4	20.52	20.52	33	PASS
				RB8#7	20.49	20.49	33	PASS
				RB15#0	20.36	20.36	33	PASS
		5	LCH	RB1#0	21.17	21.17	33	PASS
				RB1#13	21.15	21.15	33	PASS
				RB1#24	21.13	21.13	33	PASS
				RB12#0	20.34	20.34	33	PASS
				RB12#6	20.5	20.5	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB12#13	20.35	20.35	33	PASS
				RB25#0	20.34	20.34	33	PASS
			MCH	RB1#0	21.23	21.23	33	PASS
				RB1#13	21.15	21.15	33	PASS
				RB1#24	21.31	21.31	33	PASS
				RB12#0	20.45	20.45	33	PASS
				RB12#6	20.52	20.52	33	PASS
				RB12#13	20.49	20.49	33	PASS
				RB25#0	20.47	20.47	33	PASS
			HCH	RB1#0	21.36	21.36	33	PASS
				RB1#13	21.33	21.33	33	PASS
				RB1#24	21.49	21.49	33	PASS
				RB12#0	20.42	20.42	33	PASS
				RB12#6	20.46	20.46	33	PASS
				RB12#13	20.41	20.41	33	PASS
				RB25#0	20.33	20.33	33	PASS
		10	LCH	RB1#0	21.64	21.64	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#25	21.55	21.55	33	PASS
				RB1#49	21.81	21.81	33	PASS
				RB25#0	20.39	20.39	33	PASS
				RB25#13	20.29	20.29	33	PASS
				RB25#25	20.4	20.4	33	PASS
				RB50#0	20.4	20.4	33	PASS
			MCH	RB1#0	21.7	21.7	33	PASS
				RB1#25	21.66	21.66	33	PASS
				RB1#49	21.77	21.77	33	PASS
				RB25#0	20.51	20.51	33	PASS
				RB25#13	20.5	20.5	33	PASS
				RB25#25	20.58	20.58	33	PASS
				RB50#0	20.56	20.56	33	PASS
			HCH	RB1#0	21.65	21.65	33	PASS
				RB1#25	21.75	21.75	33	PASS
				RB1#49	21.72	21.72	33	PASS
				RB25#0	20.52	20.52	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#13	20.4	20.4	33	PASS
				RB25#25	20.41	20.41	33	PASS
				RB50#0	20.47	20.47	33	PASS
		15	LCH	RB1#0	21.86	21.86	33	PASS
				RB1#38	21.69	21.69	33	PASS
				RB1#74	21.65	21.65	33	PASS
				RB38#0	20.38	20.38	33	PASS
				RB38#19	20.38	20.38	33	PASS
				RB38#39	20.32	20.32	33	PASS
				RB75#0	20.38	20.38	33	PASS
			MCH	RB1#0	21.85	21.85	33	PASS
				RB1#38	21.8	21.8	33	PASS
				RB1#74	21.92	21.92	33	PASS
				RB38#0	20.58	20.58	33	PASS
				RB38#19	20.59	20.59	33	PASS
				RB38#39	20.58	20.58	33	PASS
				RB75#0	20.47	20.47	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.53	21.53	33	PASS
				RB1#38	21.27	21.27	33	PASS
				RB1#74	21.3	21.3	33	PASS
				RB38#0	20.55	20.55	33	PASS
				RB38#19	20.54	20.54	33	PASS
				RB38#39	20.47	20.47	33	PASS
				RB75#0	20.5	20.5	33	PASS
		20	LCH	RB1#0	21.3	21.3	33	PASS
				RB1#50	21.51	21.51	33	PASS
				RB1#99	21.2	21.2	33	PASS
				RB50#0	20.48	20.48	33	PASS
				RB50#25	20.37	20.37	33	PASS
				RB50#50	20.37	20.37	33	PASS
				RB100#0	20.48	20.48	33	PASS
			MCH	RB1#0	21.5	21.5	33	PASS
				RB1#50	21.67	21.67	33	PASS
				RB1#99	21.62	21.62	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB50#0	20.57	20.57	33	PASS
				RB50#25	20.57	20.57	33	PASS
				RB50#50	20.51	20.51	33	PASS
				RB100#0	20.52	20.52	33	PASS
			HCH	RB1#0	21.66	21.66	33	PASS
				RB1#50	21.87	21.87	33	PASS
				RB1#99	21.5	21.5	33	PASS
				RB50#0	20.63	20.63	33	PASS
				RB50#25	20.56	20.56	33	PASS
				RB50#50	20.44	20.44	33	PASS
				RB100#0	20.58	20.58	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.94	20.94	33	PASS
				RB1#3	20.94	20.94	33	PASS
				RB1#5	20.95	20.95	33	PASS
				RB3#0	20.68	20.68	33	PASS
				RB3#2	20.76	20.76	33	PASS
				RB3#3	20.76	20.76	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB6#0	19.45	19.45	33	PASS
			MCH	RB1#0	20.95	20.95	33	PASS
				RB1#3	21.02	21.02	33	PASS
				RB1#5	21.03	21.03	33	PASS
				RB3#0	20.77	20.77	33	PASS
				RB3#2	20.86	20.86	33	PASS
				RB3#3	20.84	20.84	33	PASS
				RB6#0	19.57	19.57	33	PASS
			HCH	RB1#0	20.38	20.38	33	PASS
				RB1#3	20.18	20.18	33	PASS
				RB1#5	20.19	20.19	33	PASS
				RB3#0	20.26	20.26	33	PASS
				RB3#2	20.26	20.26	33	PASS
				RB3#3	20.14	20.14	33	PASS
				RB6#0	19.36	19.36	33	PASS
		3	LCH	RB1#0	20.63	20.63	33	PASS
				RB1#7	20.5	20.5	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#14	20.41	20.41	33	PASS
				RB8#0	19.26	19.26	33	PASS
				RB8#4	19.11	19.11	33	PASS
				RB8#7	19.22	19.22	33	PASS
				RB15#0	19.16	19.16	33	PASS
			MCH	RB1#0	20.47	20.47	33	PASS
				RB1#7	20.43	20.43	33	PASS
				RB1#14	20.43	20.43	33	PASS
				RB8#0	19.33	19.33	33	PASS
				RB8#4	19.41	19.41	33	PASS
				RB8#7	19.27	19.27	33	PASS
				RB15#0	19.34	19.34	33	PASS
			HCH	RB1#0	20.2	20.2	33	PASS
				RB1#7	20.33	20.33	33	PASS
				RB1#14	20.26	20.26	33	PASS
				RB8#0	19.43	19.43	33	PASS
				RB8#4	19.47	19.47	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB8#7	19.52	19.52	33	PASS
				RB15#0	19.24	19.24	33	PASS
		5	LCH	RB1#0	20.64	20.64	33	PASS
				RB1#13	20.62	20.62	33	PASS
				RB1#24	20.57	20.57	33	PASS
				RB12#0	19.38	19.38	33	PASS
				RB12#6	19.42	19.42	33	PASS
				RB12#13	19.28	19.28	33	PASS
				RB25#0	19.28	19.28	33	PASS
			MCH	RB1#0	20.94	20.94	33	PASS
				RB1#13	20.38	20.38	33	PASS
				RB1#24	20.55	20.55	33	PASS
				RB12#0	19.28	19.28	33	PASS
				RB12#6	19.42	19.42	33	PASS
				RB12#13	19.44	19.44	33	PASS
				RB25#0	19.51	19.51	33	PASS
			HCH	RB1#0	20.9	20.9	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#13	21.07	21.07	33	PASS
				RB1#24	20.96	20.96	33	PASS
				RB12#0	19.15	19.15	33	PASS
				RB12#6	19.33	19.33	33	PASS
				RB12#13	19.5	19.5	33	PASS
				RB25#0	19.39	19.39	33	PASS
		10	LCH	RB1#0	20.61	20.61	33	PASS
				RB1#25	20.44	20.44	33	PASS
				RB1#49	20.46	20.46	33	PASS
				RB25#0	19.24	19.24	33	PASS
				RB25#13	19.21	19.21	33	PASS
				RB25#25	19.13	19.13	33	PASS
				RB50#0	19.25	19.25	33	PASS
			MCH	RB1#0	20.59	20.59	33	PASS
				RB1#25	20.78	20.78	33	PASS
				RB1#49	20.87	20.87	33	PASS
				RB25#0	19.34	19.34	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#13	19.34	19.34	33	PASS
				RB25#25	19.32	19.32	33	PASS
				RB50#0	19.41	19.41	33	PASS
			HCH	RB1#0	20.54	20.54	33	PASS
				RB1#25	20.54	20.54	33	PASS
				RB1#49	20.76	20.76	33	PASS
				RB25#0	19.62	19.62	33	PASS
				RB25#13	19.52	19.52	33	PASS
				RB25#25	19.55	19.55	33	PASS
				RB50#0	19.4	19.4	33	PASS
		15	LCH	RB1#0	20.78	20.78	33	PASS
				RB1#38	20.69	20.69	33	PASS
				RB1#74	20.68	20.68	33	PASS
				RB38#0	19.46	19.46	33	PASS
				RB38#19	19.45	19.45	33	PASS
				RB38#39	19.39	19.39	33	PASS
				RB75#0	19.44	19.44	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	20.73	20.73	33	PASS
				RB1#38	20.82	20.82	33	PASS
				RB1#74	20.86	20.86	33	PASS
				RB38#0	19.62	19.62	33	PASS
				RB38#19	19.53	19.53	33	PASS
				RB38#39	19.55	19.55	33	PASS
				RB75#0	19.52	19.52	33	PASS
			HCH	RB1#0	20.84	20.84	33	PASS
				RB1#38	20.58	20.58	33	PASS
				RB1#74	21.04	21.04	33	PASS
				RB38#0	19.5	19.5	33	PASS
				RB38#19	19.45	19.45	33	PASS
				RB38#39	19.44	19.44	33	PASS
				RB75#0	19.43	19.43	33	PASS
		20	LCH	RB1#0	20.69	20.69	33	PASS
				RB1#50	20.48	20.48	33	PASS
				RB1#99	20.32	20.32	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB50#0	19.47	19.47	33	PASS
				RB50#25	19.38	19.38	33	PASS
				RB50#50	19.39	19.39	33	PASS
				RB100#0	19.39	19.39	33	PASS
			MCH	RB1#0	20.7	20.7	33	PASS
				RB1#50	21.26	21.26	33	PASS
				RB1#99	21.06	21.06	33	PASS
				RB50#0	19.57	19.57	33	PASS
				RB50#25	19.57	19.57	33	PASS
				RB50#50	19.61	19.61	33	PASS
				RB100#0	19.54	19.54	33	PASS
			HCH	RB1#0	21.14	21.14	33	PASS
				RB1#50	20.91	20.91	33	PASS
				RB1#99	20.89	20.89	33	PASS
				RB50#0	19.64	19.64	33	PASS
				RB50#25	19.46	19.46	33	PASS
				RB50#50	19.47	19.47	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB100#0	19.51	19.51	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:

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

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

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

$$\text{SET Sweep time} = \text{auto-couple.}$$

Detector:RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	4.54	13	PASS
				RB1#3	4.44	13	PASS
				RB1#5	4.52	13	PASS
				RB3#0	4.9	13	PASS
				RB3#2	4.81	13	PASS
				RB3#3	4.85	13	PASS
				RB6#0	5.65	13	PASS
			MCH	RB1#0	4.82	13	PASS
				RB1#3	4.71	13	PASS
				RB1#5	4.81	13	PASS
				RB3#0	5.21	13	PASS
				RB3#2	5.13	13	PASS
				RB3#3	5.19	13	PASS
				RB6#0	6.12	13	PASS
			HCH	RB1#0	4.65	13	PASS
				RB1#3	4.36	13	PASS
				RB1#5	4.48	13	PASS
				RB3#0	4.8	13	PASS
				RB3#2	4.58	13	PASS
				RB3#3	4.71	13	PASS
				RB6#0	5.53	13	PASS
		3	LCH	RB1#0	4.65	13	PASS
				RB1#7	4.49	13	PASS
				RB1#14	4.57	13	PASS
				RB8#0	5.29	13	PASS
				RB8#4	5.22	13	PASS
				RB8#7	5.34	13	PASS
				RB15#0	5.66	13	PASS
			MCH	RB1#0	5.02	13	PASS
				RB1#7	4.83	13	PASS
				RB1#14	4.91	13	PASS
				RB8#0	5.41	13	PASS
				RB8#4	5.36	13	PASS
				RB8#7	5.42	13	PASS
				RB15#0	5.9	13	PASS
			HCH	RB1#0	4.87	13	PASS
				RB1#7	4.52	13	PASS
				RB1#14	4.36	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	5.48	13	PASS
				RB8#4	5.26	13	PASS
				RB8#7	5.31	13	PASS
				RB15#0	5.85	13	PASS
			LCH	RB1#0	4.63	13	PASS
				RB1#13	4.59	13	PASS
				RB1#24	4.71	13	PASS
				RB12#0	5.18	13	PASS
				RB12#6	5.13	13	PASS
				RB12#13	5.23	13	PASS
				RB25#0	5.66	13	PASS
			MCH	RB1#0	4.93	13	PASS
				RB1#13	4.86	13	PASS
				RB1#24	4.85	13	PASS
				RB12#0	5.38	13	PASS
				RB12#6	5.33	13	PASS
				RB12#13	5.34	13	PASS
				RB25#0	5.82	13	PASS
			HCH	RB1#0	4.99	13	PASS
				RB1#13	4.68	13	PASS
				RB1#24	4.36	13	PASS
				RB12#0	5.57	13	PASS
				RB12#6	5.29	13	PASS
				RB12#13	5.39	13	PASS
				RB25#0	5.86	13	PASS
		10	LCH	RB1#0	4.51	13	PASS
				RB1#25	4.58	13	PASS
				RB1#49	4.71	13	PASS
				RB25#0	5.2	13	PASS
				RB25#13	5.13	13	PASS
				RB25#25	5.26	13	PASS
				RB50#0	6.11	13	PASS
			MCH	RB1#0	4.91	13	PASS
				RB1#25	4.78	13	PASS
				RB1#49	4.65	13	PASS
				RB25#0	5.41	13	PASS
				RB25#13	5.27	13	PASS
				RB25#25	5.35	13	PASS
				RB50#0	6.38	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.92	13	PASS
				RB1#25	4.9	13	PASS
				RB1#49	4.45	13	PASS
				RB25#0	5.49	13	PASS
				RB25#13	5.53	13	PASS
				RB25#25	5.42	13	PASS
				RB50#0	5.92	13	PASS
		15	LCH	RB1#0	4.45	13	PASS
				RB1#38	4.61	13	PASS
				RB1#74	4.82	13	PASS
				RB38#0	5.21	13	PASS
				RB38#19	5.26	13	PASS
				RB38#39	5.33	13	PASS
				RB75#0	6.02	13	PASS
			MCH	RB1#0	4.91	13	PASS
				RB1#38	4.81	13	PASS
				RB1#74	4.53	13	PASS
				RB38#0	5.43	13	PASS
				RB38#19	5.35	13	PASS
				RB38#39	5.29	13	PASS
				RB75#0	6.14	13	PASS
			HCH	RB1#0	4.79	13	PASS
				RB1#38	5.03	13	PASS
				RB1#74	4.53	13	PASS
				RB38#0	5.42	13	PASS
				RB38#19	5.51	13	PASS
				RB38#39	5.47	13	PASS
				RB75#0	6.17	13	PASS
		20	LCH	RB1#0	4.59	13	PASS
				RB1#50	4.76	13	PASS
				RB1#99	4.97	13	PASS
				RB50#0	5.28	13	PASS
				RB50#25	5.36	13	PASS
				RB50#50	5.51	13	PASS
				RB100#0	5.68	13	PASS
			MCH	RB1#0	4.92	13	PASS
				RB1#50	4.82	13	PASS
				RB1#99	4.64	13	PASS
				RB50#0	5.5	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	5.35	13	PASS
				RB50#50	5.4	13	PASS
				RB100#0	5.53	13	PASS
			HCH	RB1#0	4.68	13	PASS
				RB1#50	4.99	13	PASS
				RB1#99	4.54	13	PASS
				RB50#0	5.47	13	PASS
				RB50#25	5.57	13	PASS
				RB50#50	5.62	13	PASS
				RB100#0	6.31	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.43	13	PASS
				RB1#3	5.31	13	PASS
				RB1#5	5.36	13	PASS
				RB3#0	5.71	13	PASS
				RB3#2	5.59	13	PASS
				RB3#3	5.63	13	PASS
				RB6#0	6.16	13	PASS
			MCH	RB1#0	5.81	13	PASS
				RB1#3	5.64	13	PASS
				RB1#5	5.73	13	PASS
				RB3#0	6.04	13	PASS
				RB3#2	6.06	13	PASS
				RB3#3	6.13	13	PASS
				RB6#0	6.38	13	PASS
			HCH	RB1#0	5.6	13	PASS
				RB1#3	5.34	13	PASS
				RB1#5	5.48	13	PASS
				RB3#0	5.69	13	PASS
				RB3#2	5.56	13	PASS
				RB3#3	5.65	13	PASS
				RB6#0	6.1	13	PASS
		3	LCH	RB1#0	5.3	13	PASS
				RB1#7	5.18	13	PASS
				RB1#14	5.45	13	PASS
				RB8#0	5.94	13	PASS
				RB8#4	5.85	13	PASS
				RB8#7	5.97	13	PASS
				RB15#0	6.46	13	PASS
			MCH	RB1#0	5.68	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	5.52	13	PASS
				RB1#14	5.64	13	PASS
				RB8#0	6.09	13	PASS
				RB8#4	5.95	13	PASS
				RB8#7	6.12	13	PASS
				RB15#0	6.6	13	PASS
			HCH	RB1#0	5.67	13	PASS
				RB1#7	5.33	13	PASS
				RB1#14	5.19	13	PASS
				RB8#0	6.12	13	PASS
				RB8#4	5.93	13	PASS
				RB8#7	5.95	13	PASS
				RB15#0	6.5	13	PASS
		5	LCH	RB1#0	5.58	13	PASS
				RB1#13	5.5	13	PASS
				RB1#24	5.61	13	PASS
				RB12#0	6	13	PASS
				RB12#6	6.02	13	PASS
				RB12#13	6.08	13	PASS
				RB25#0	6.42	13	PASS
			MCH	RB1#0	5.92	13	PASS
				RB1#13	5.77	13	PASS
				RB1#24	5.75	13	PASS
				RB12#0	6.23	13	PASS
				RB12#6	6.17	13	PASS
				RB12#13	6.26	13	PASS
				RB25#0	6.8	13	PASS
			HCH	RB1#0	5.28	13	PASS
				RB1#13	5.01	13	PASS
				RB1#24	4.82	13	PASS
				RB12#0	6.29	13	PASS
				RB12#6	6.16	13	PASS
				RB12#13	6.12	13	PASS
				RB25#0	6.92	13	PASS
		10	LCH	RB1#0	5.61	13	PASS
				RB1#25	5.52	13	PASS
				RB1#49	5.61	13	PASS
				RB25#0	6.24	13	PASS
				RB25#13	6.13	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	6.36	13	PASS
				RB50#0	6.44	13	PASS
			MCH	RB1#0	5.98	13	PASS
				RB1#25	5.95	13	PASS
				RB1#49	5.75	13	PASS
				RB25#0	6.33	13	PASS
				RB25#13	6.17	13	PASS
				RB25#25	6.34	13	PASS
				RB50#0	7.29	13	PASS
			HCH	RB1#0	5.88	13	PASS
				RB1#25	5.91	13	PASS
				RB1#49	5.43	13	PASS
				RB25#0	6.4	13	PASS
				RB25#13	6.27	13	PASS
				RB25#25	6.32	13	PASS
				RB50#0	7.19	13	PASS
		15	LCH	RB1#0	5.51	13	PASS
				RB1#38	5.67	13	PASS
				RB1#74	5.89	13	PASS
				RB38#0	6.15	13	PASS
				RB38#19	6.13	13	PASS
				RB38#39	6.29	13	PASS
				RB75#0	6.77	13	PASS
			MCH	RB1#0	6.02	13	PASS
				RB1#38	5.86	13	PASS
				RB1#74	5.51	13	PASS
				RB38#0	6.37	13	PASS
				RB38#19	6.27	13	PASS
				RB38#39	6.3	13	PASS
				RB75#0	6.85	13	PASS
			HCH	RB1#0	5.18	13	PASS
				RB1#38	5.51	13	PASS
				RB1#74	4.83	13	PASS
				RB38#0	6.53	13	PASS
				RB38#19	6.48	13	PASS
				RB38#39	6.56	13	PASS
				RB75#0	6.96	13	PASS
		20	LCH	RB1#0	5.08	13	PASS
				RB1#50	5.21	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	5.41	13	PASS
				RB50#0	6.14	13	PASS
				RB50#25	6.13	13	PASS
				RB50#50	6.32	13	PASS
				RB100#0	6.58	13	PASS
			MCH	RB1#0	5.4	13	PASS
				RB1#50	5.27	13	PASS
				RB1#99	5.14	13	PASS
				RB50#0	6.38	13	PASS
				RB50#25	6.2	13	PASS
				RB50#50	6.24	13	PASS
				RB100#0	7.11	13	PASS
			HCH	RB1#0	5.23	13	PASS
				RB1#50	5.62	13	PASS
				RB1#99	5.21	13	PASS
				RB50#0	6.38	13	PASS
				RB50#25	6.54	13	PASS
				RB50#50	6.64	13	PASS
				RB100#0	6.72	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

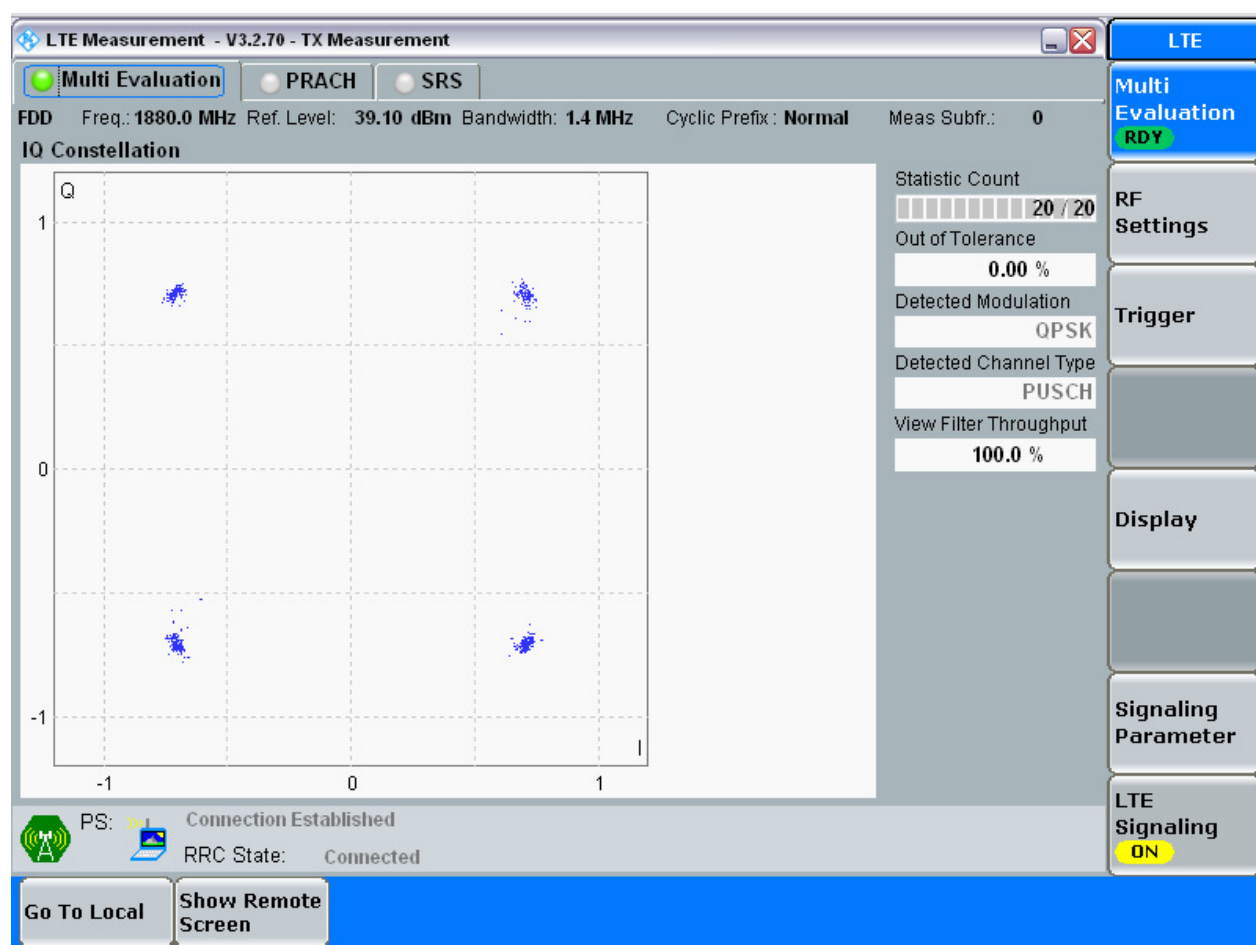
3.1.1 Test Band = BAND2

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

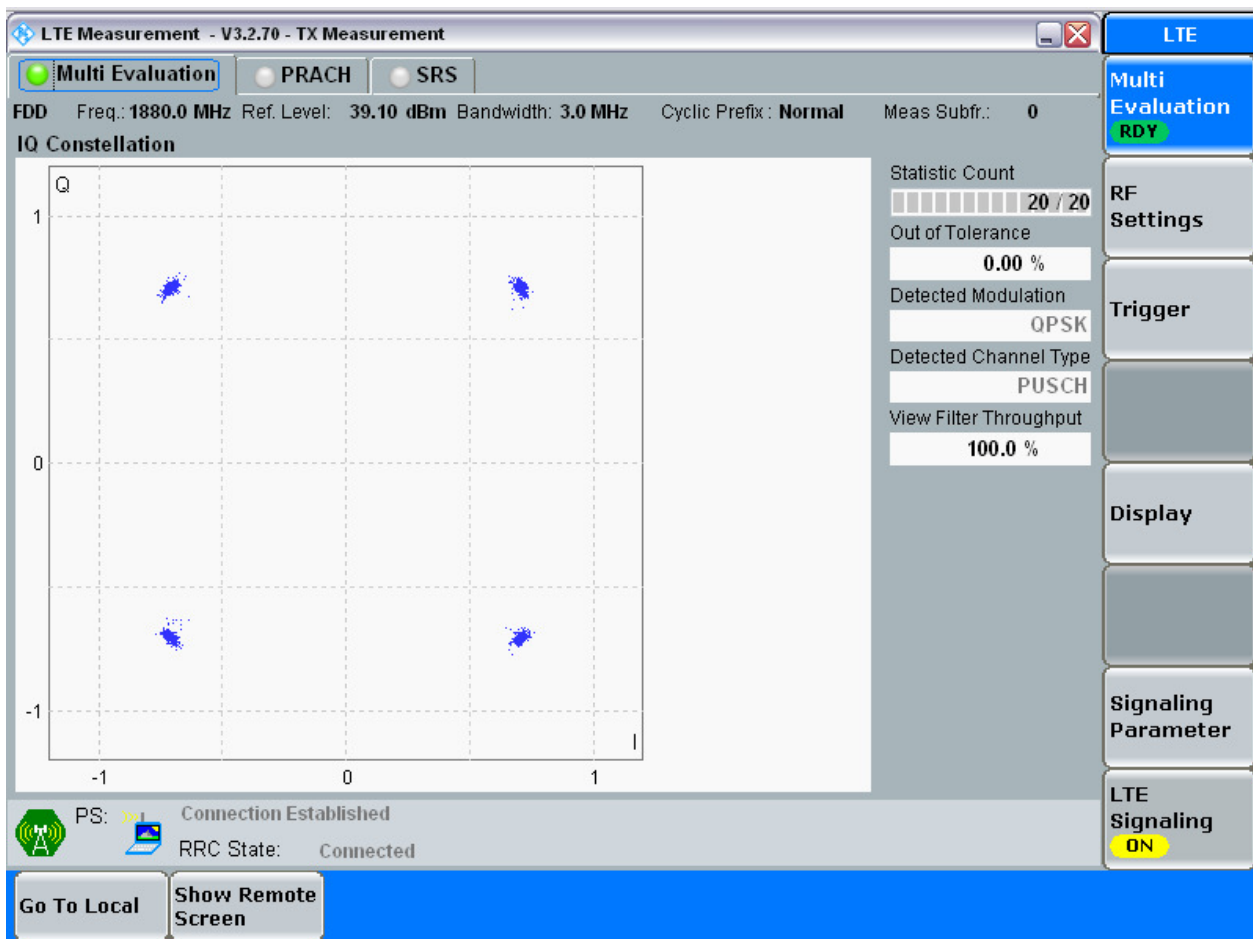
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

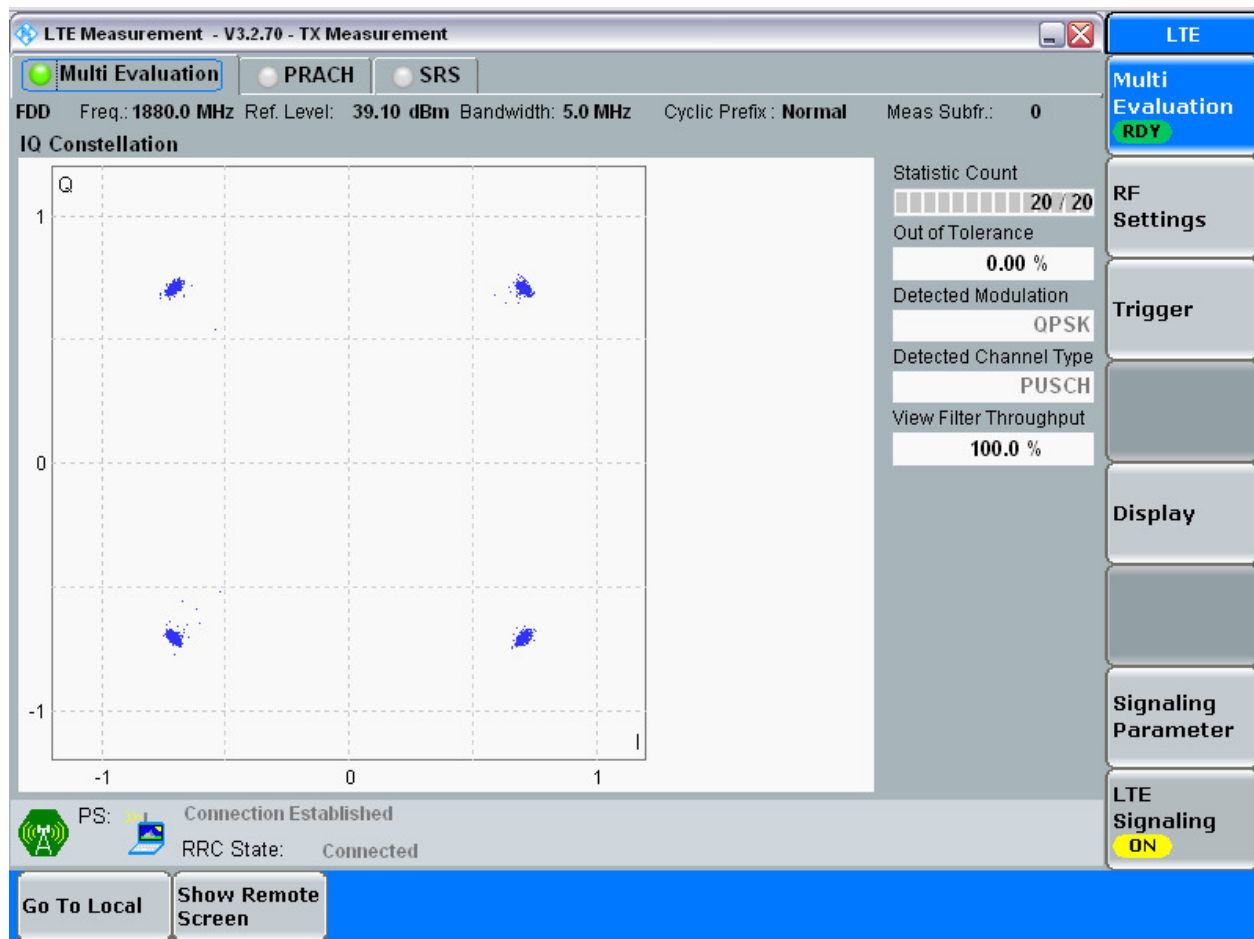
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

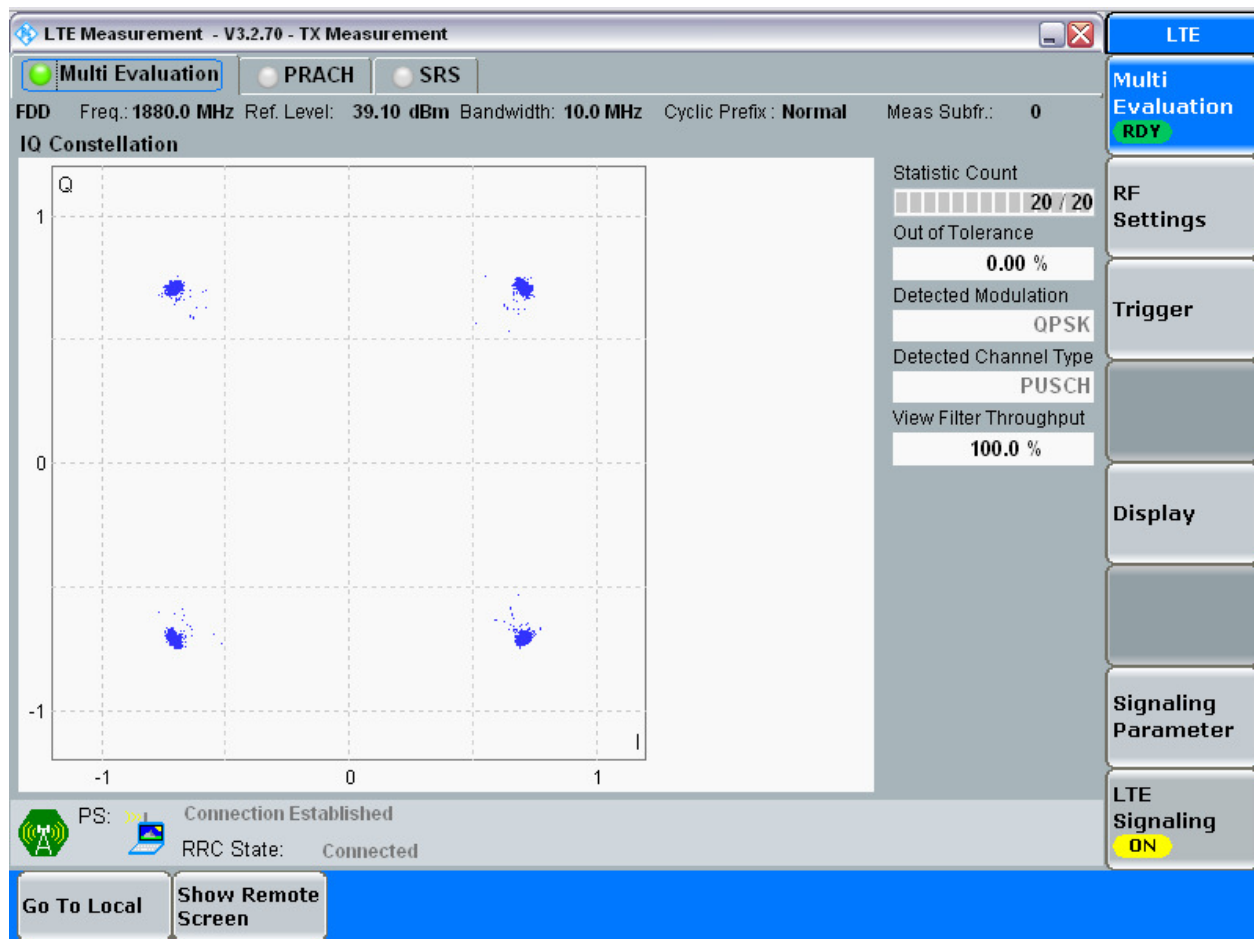
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

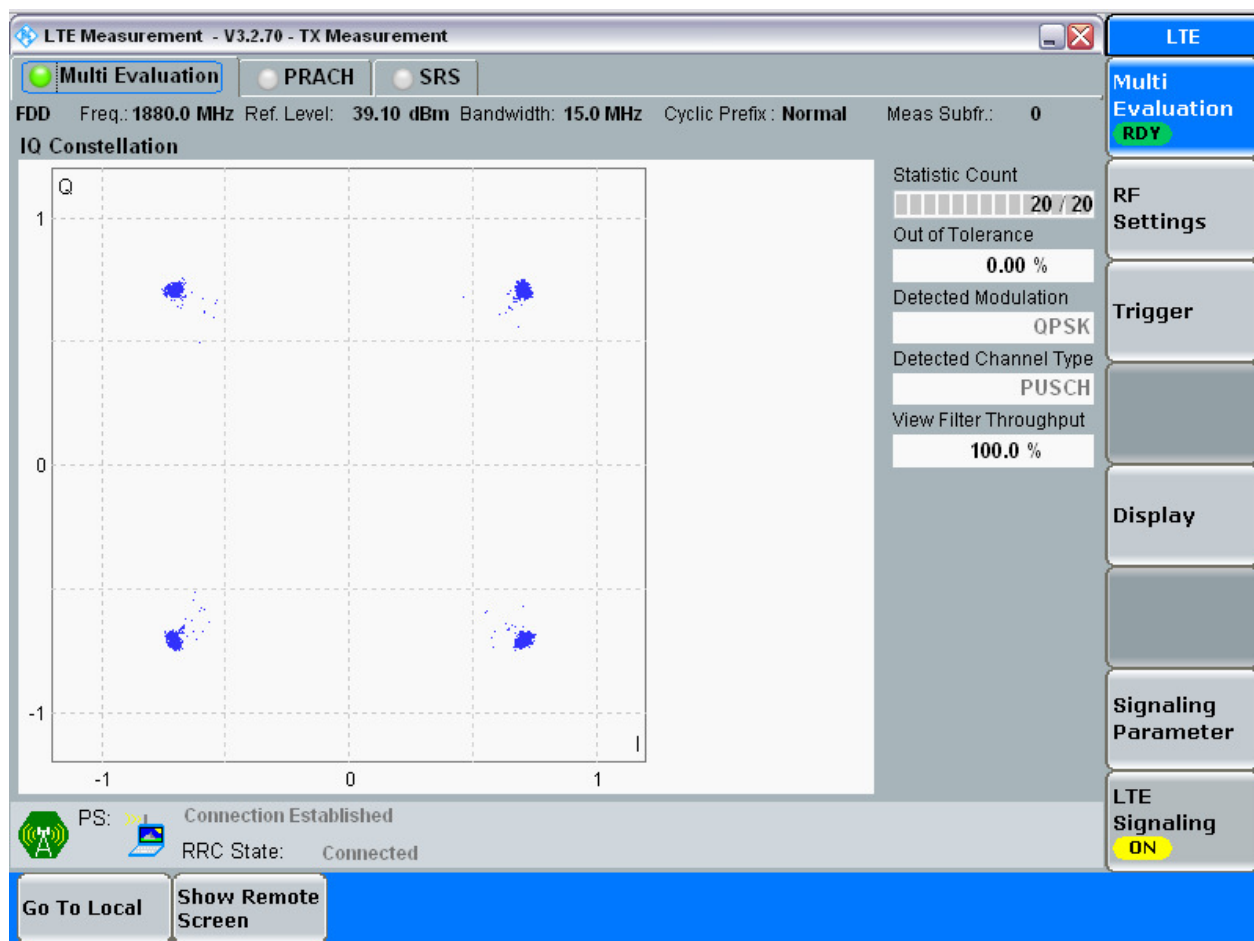
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

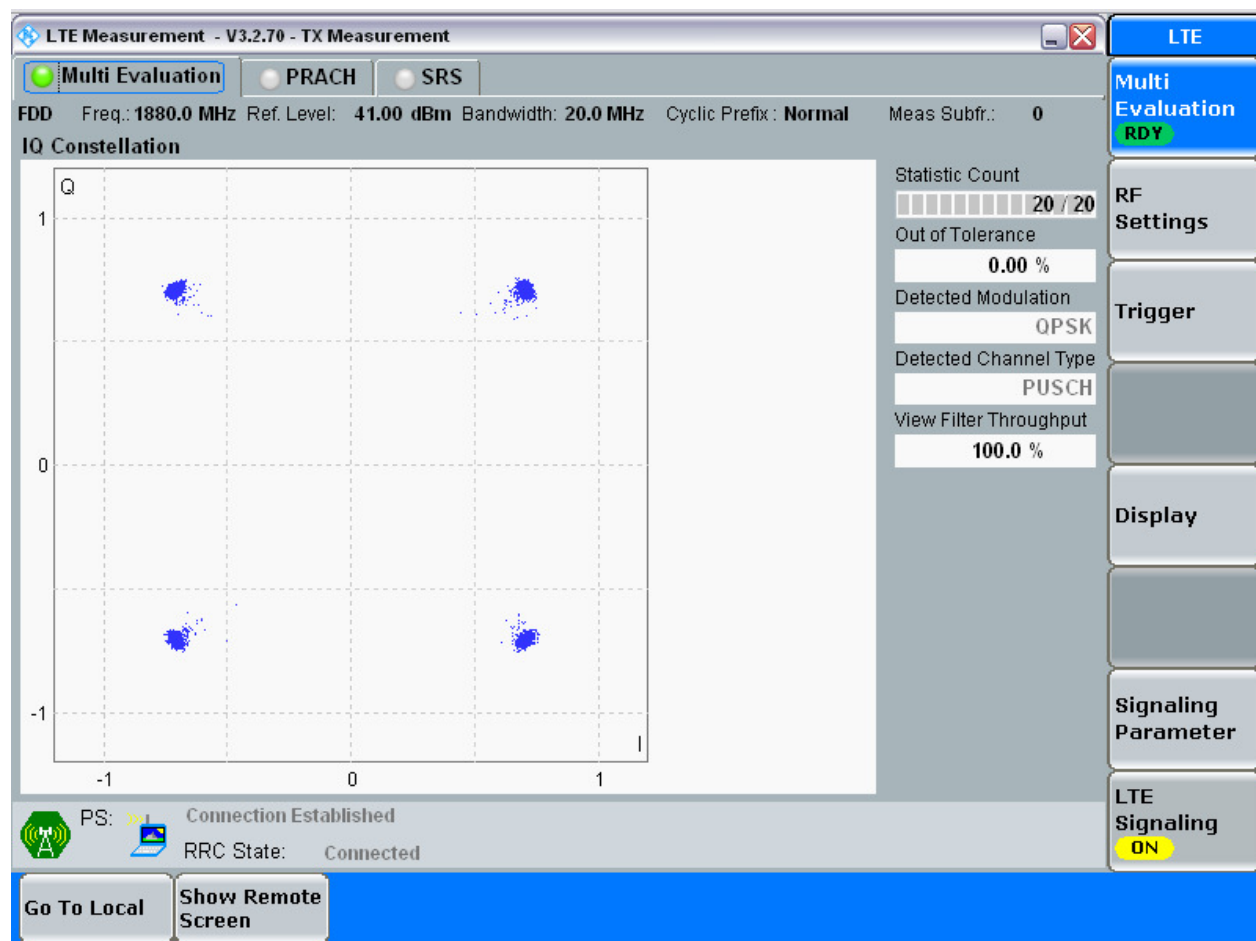
3.1.1.1.5.1.1 Test RB = RB75#0



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

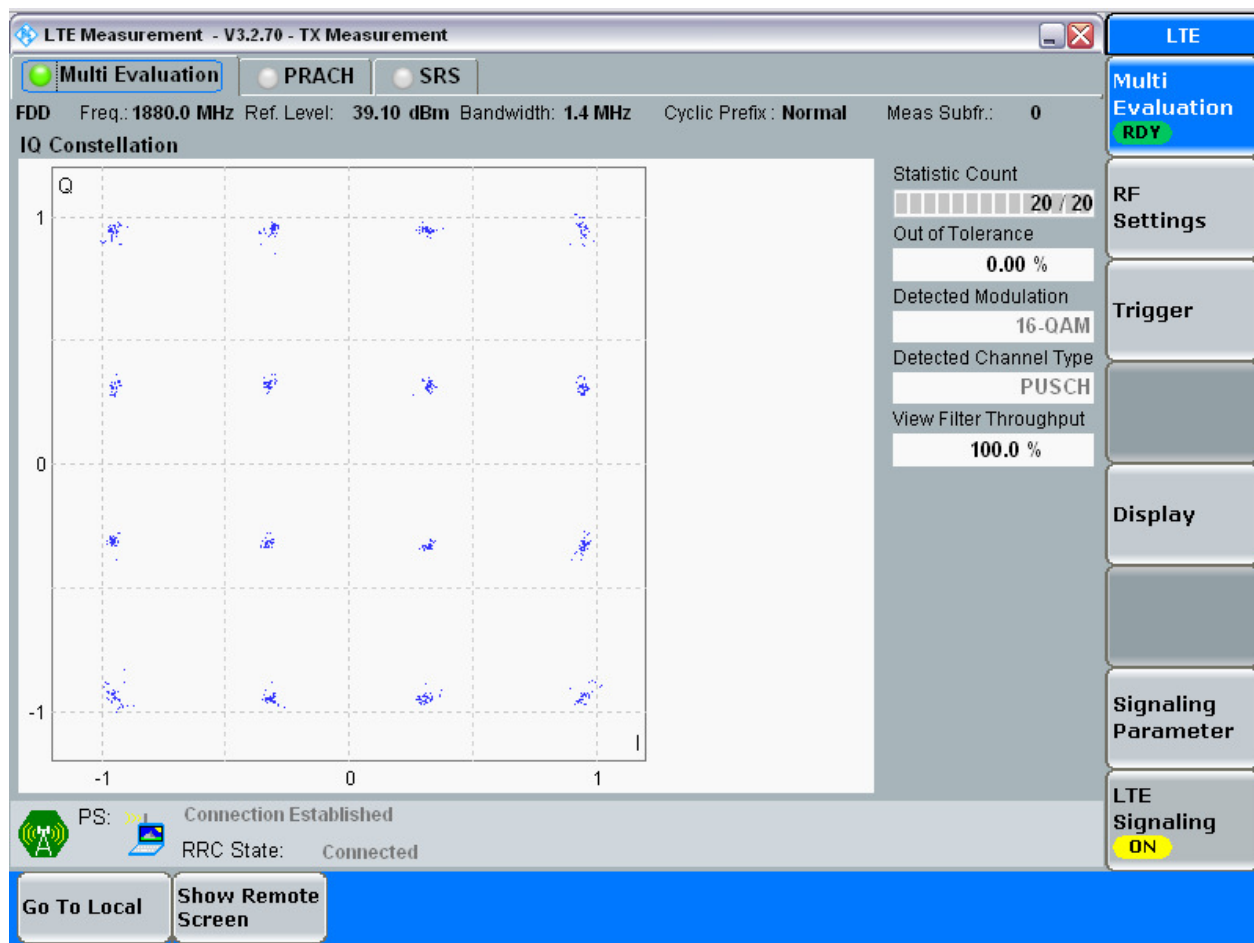


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

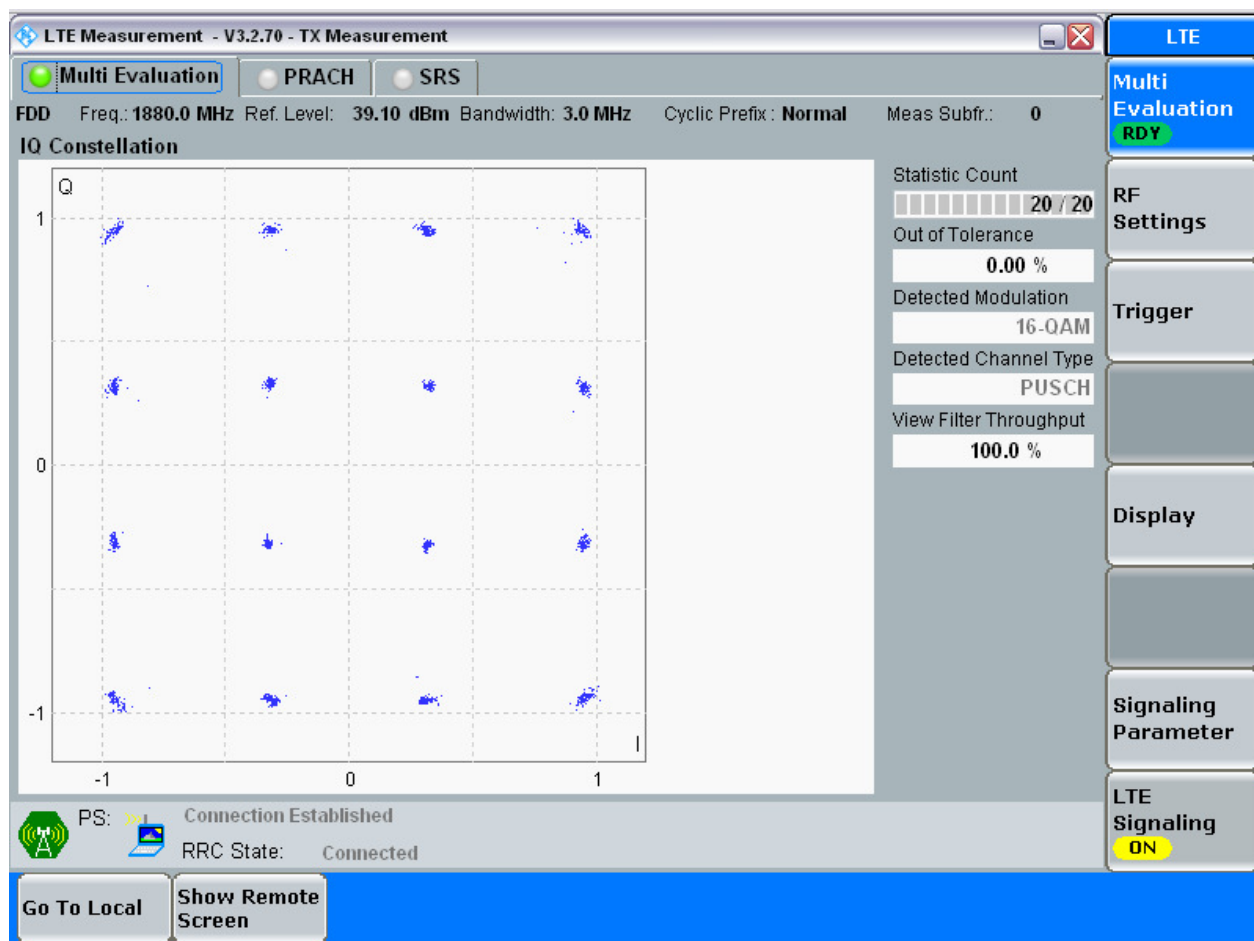
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

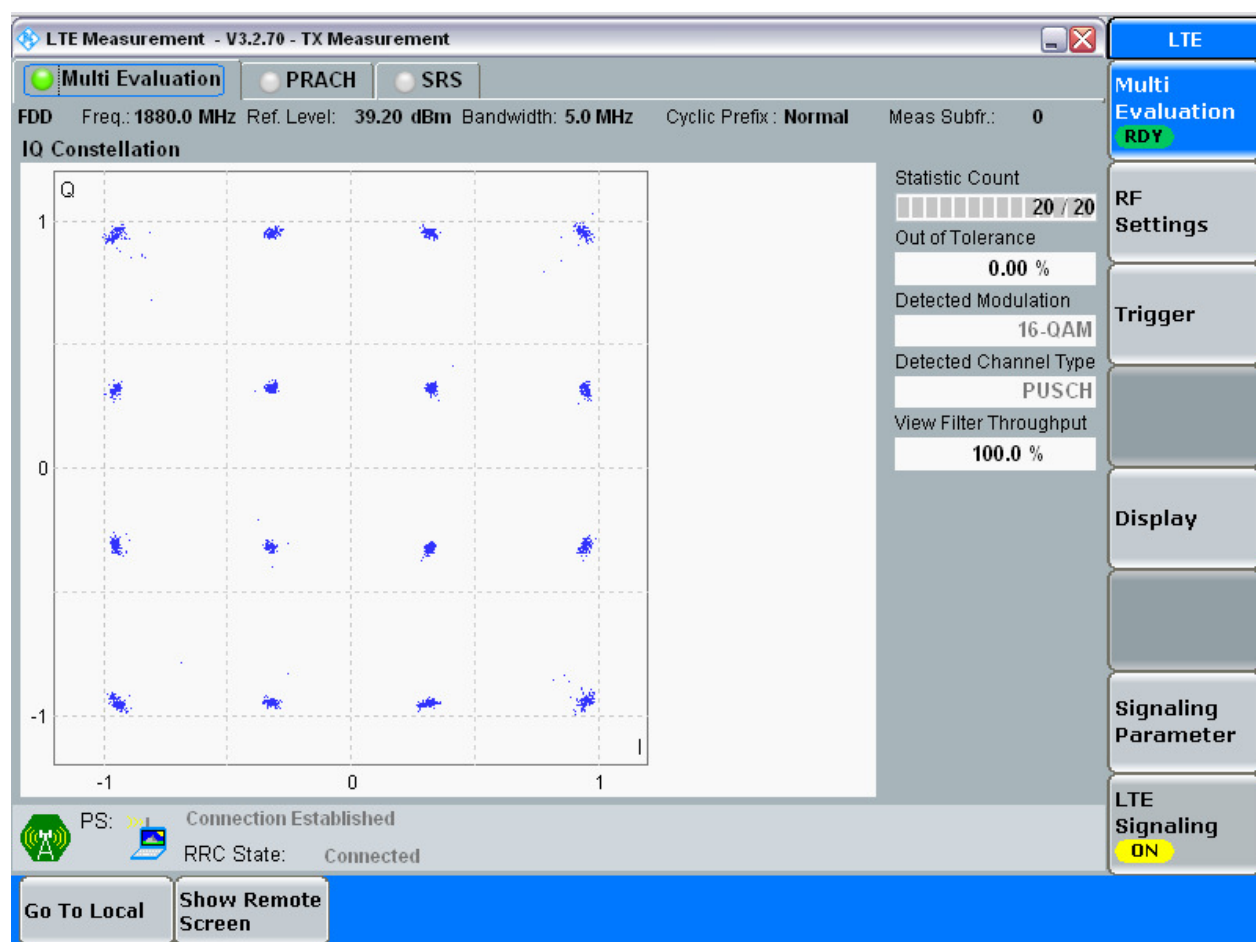
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

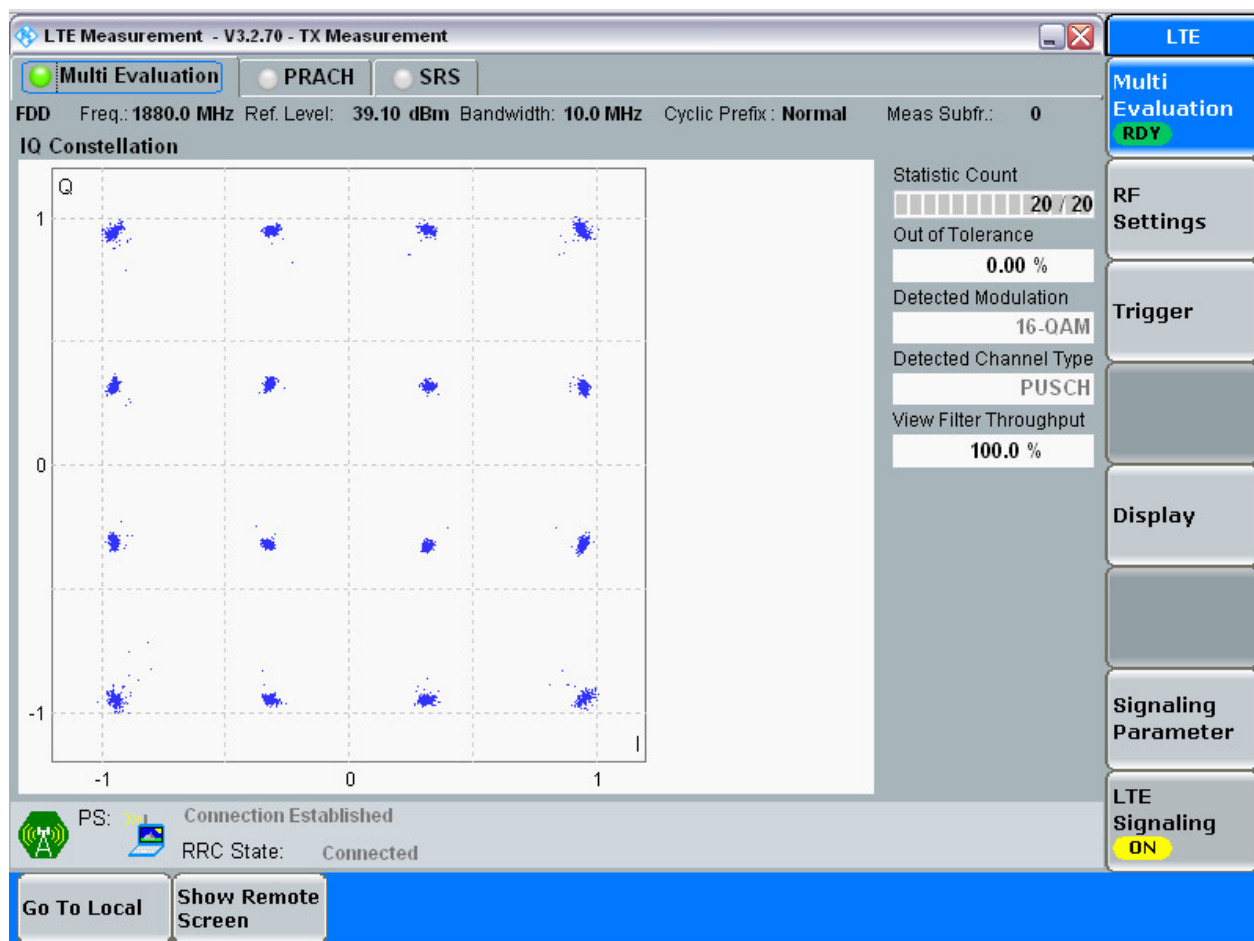
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

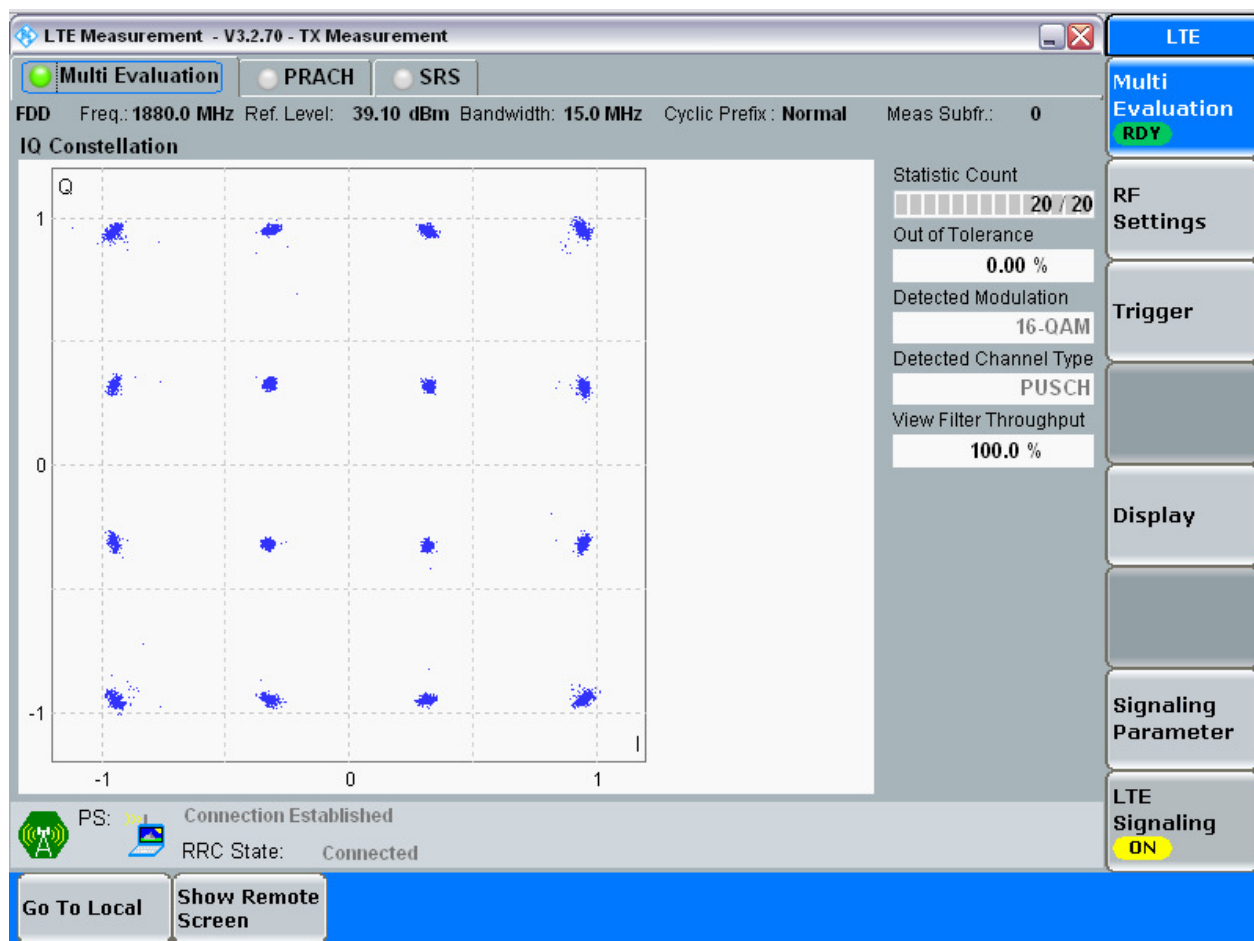
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

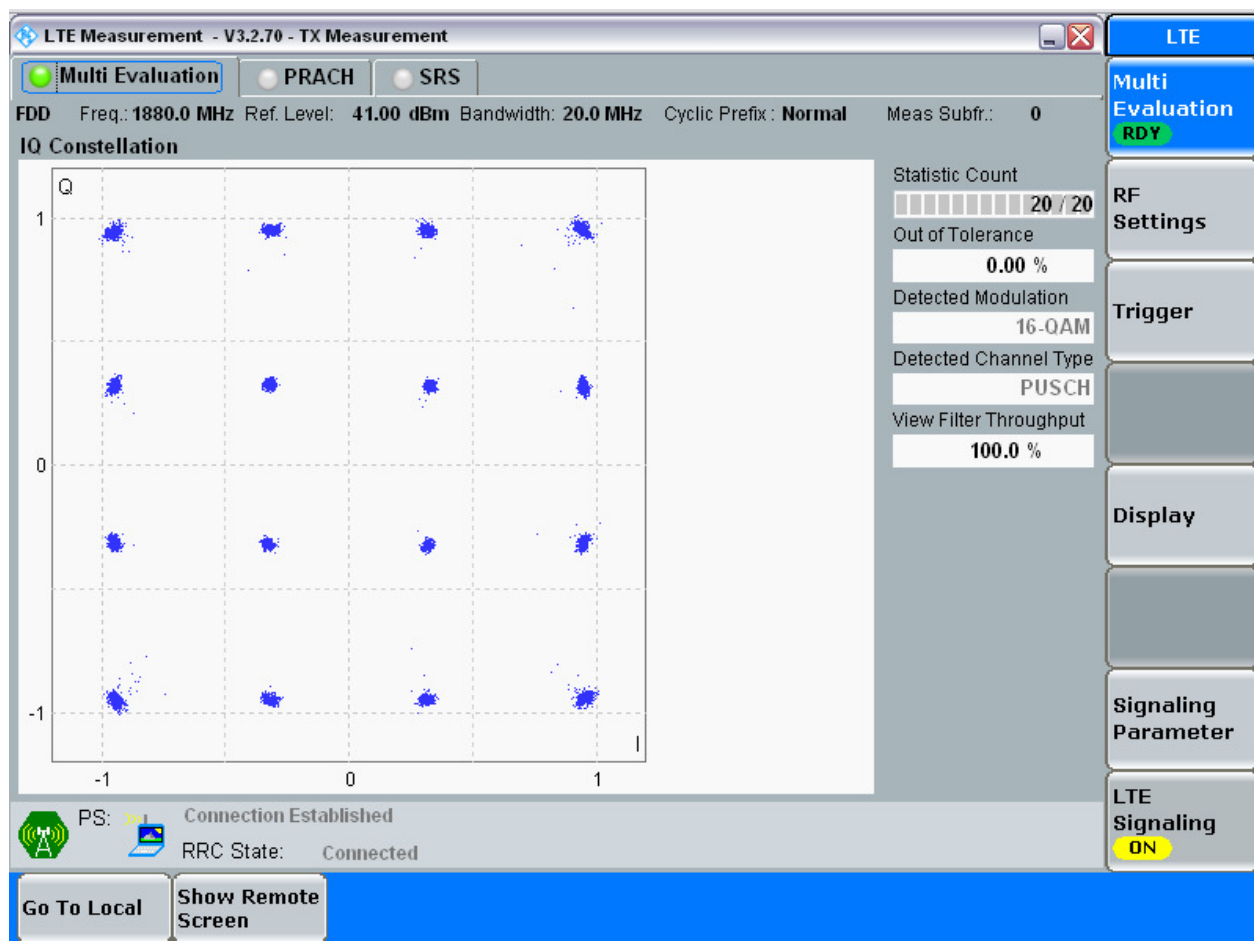
3.1.1.2.5.1.1 Test RB = RB75#0



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	2.71	3.00	Pass
			MCH	RB15#0	2.71	3.00	Pass
			HCH	RB15#0	2.71	3.01	Pass
		5	LCH	RB25#0	4.52	5.01	Pass
			MCH	RB25#0	4.52	5.01	Pass
			HCH	RB25#0	4.52	5.02	Pass
		10	LCH	RB50#0	9.01	10.00	Pass
			MCH	RB50#0	9.01	9.97	Pass
			HCH	RB50#0	9.00	10.01	Pass
		15	LCH	RB75#0	13.48	14.84	Pass
			MCH	RB75#0	13.48	14.83	Pass
			HCH	RB75#0	13.53	14.81	Pass
		20	LCH	RB100#0	17.94	19.42	Pass
			MCH	RB100#0	17.95	19.44	Pass
			HCH	RB100#0	18.01	19.76	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.31	Pass
			MCH	RB6#0	1.10	1.32	Pass
			HCH	RB6#0	1.09	1.29	Pass
		3	LCH	RB15#0	2.71	3.00	Pass
			MCH	RB15#0	2.71	3.00	Pass
			HCH	RB15#0	2.70	3.01	Pass
		5	LCH	RB25#0	4.52	5.03	Pass
			MCH	RB25#0	4.52	5.03	Pass
			HCH	RB25#0	4.52	5.04	Pass
		10	LCH	RB50#0	9.00	10.00	Pass
			MCH	RB50#0	9.01	10.01	Pass
			HCH	RB50#0	9.03	9.93	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.47	14.81	Pass
			MCH	RB75#0	13.48	14.83	Pass
			HCH	RB75#0	13.50	14.77	Pass
		20	LCH	RB100#0	17.94	19.50	Pass
			MCH	RB100#0	17.94	19.50	Pass
			HCH	RB100#0	17.99	19.70	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 =

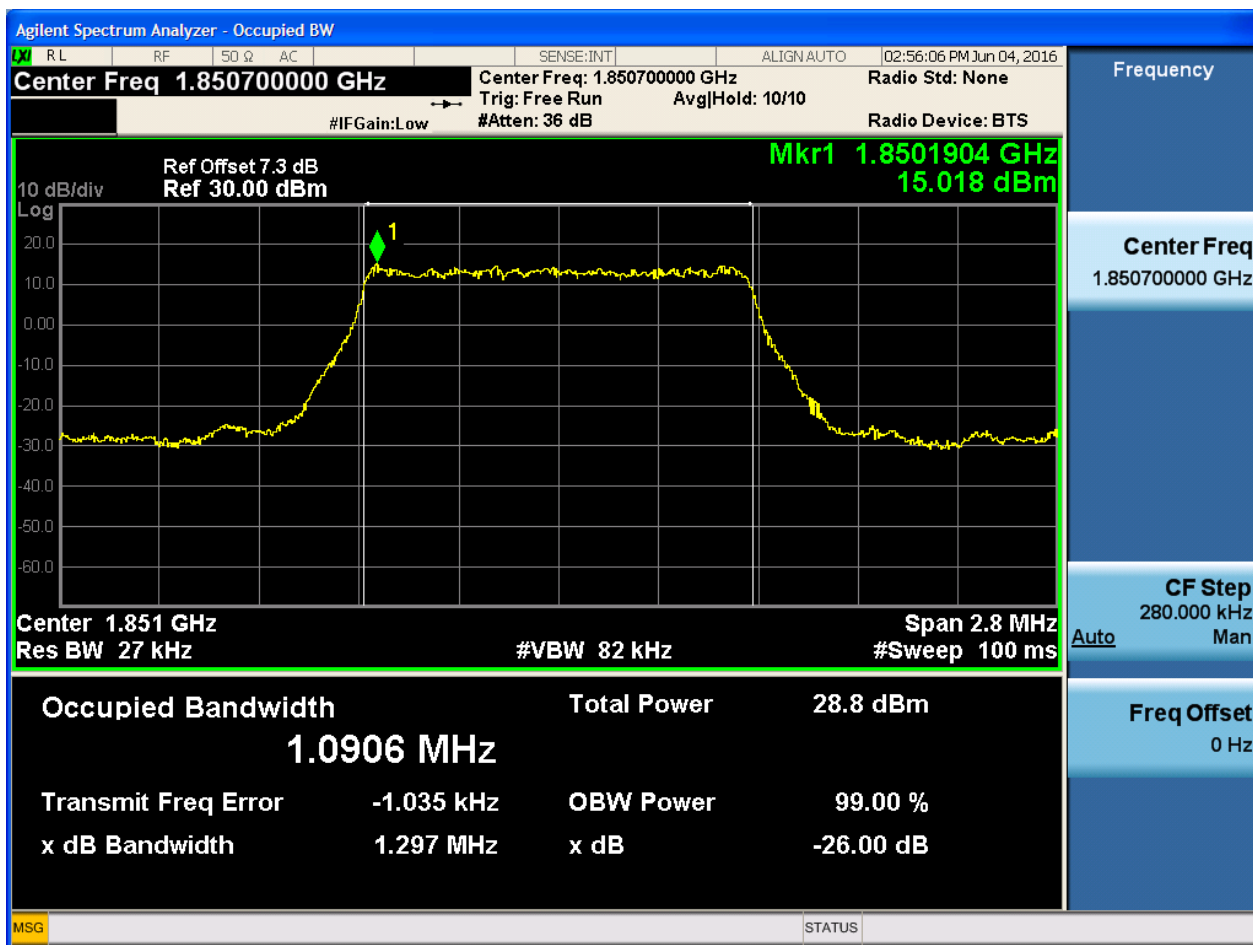
4.1.2 Test Band = BAND2

4.1.2.1 Test Mode = LTE/TM1

4.1.2.1.1 Test Bandwidth = 1.4

4.1.2.1.1.1 Test Channel = LCH

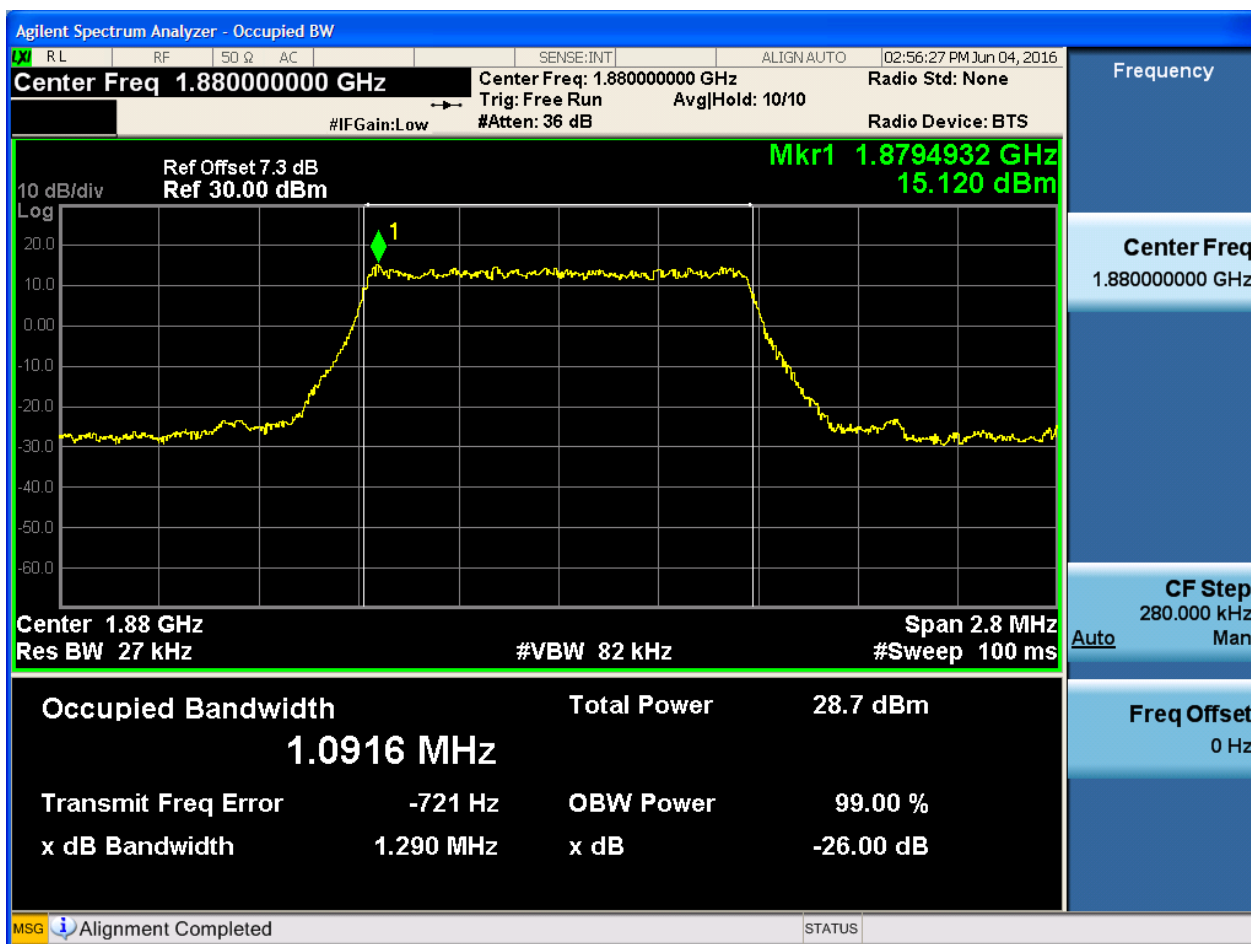
4.1.2.1.1.1.1 Test RB = RB6#0





4.1.2.1.1.2 Test Channel = MCH

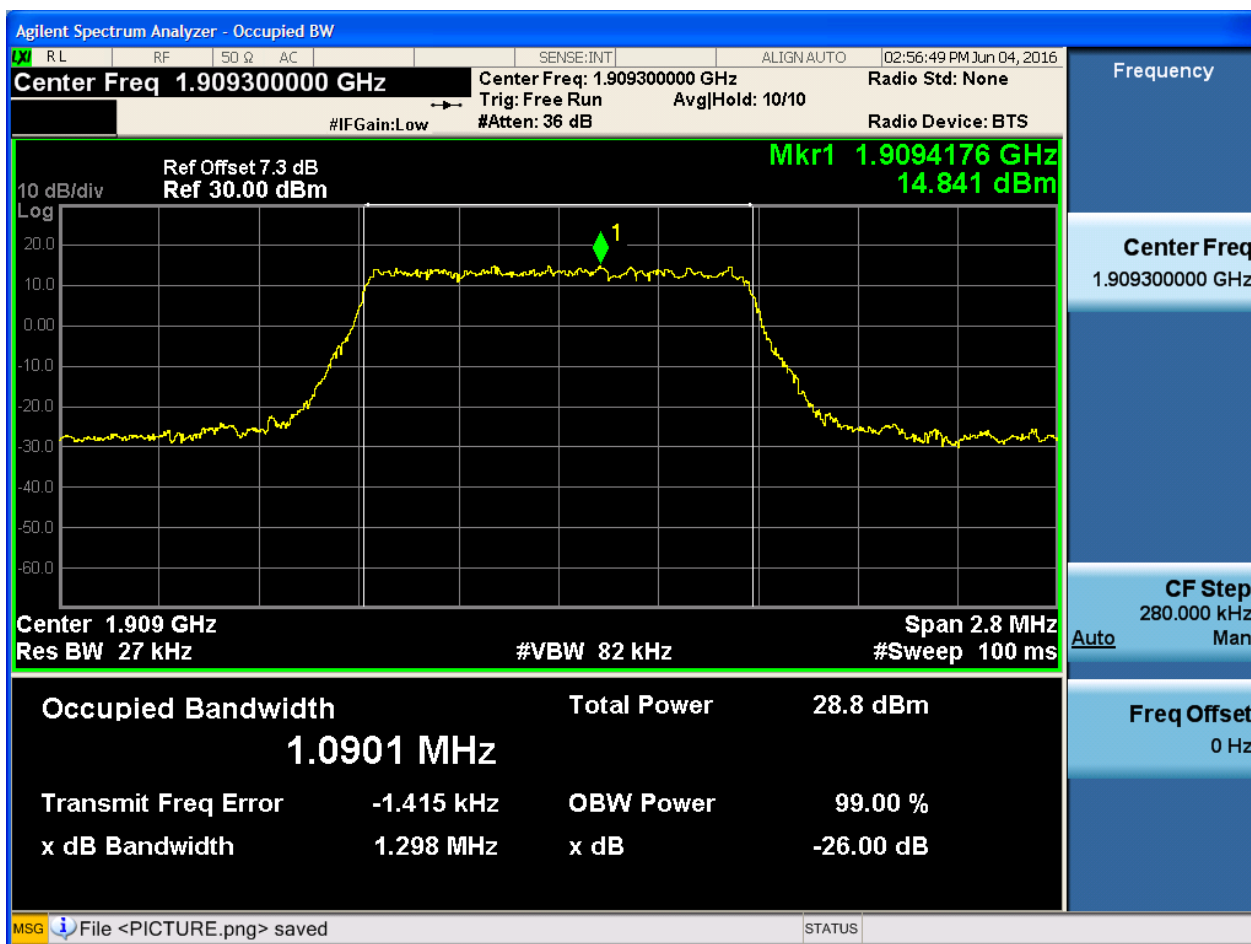
4.1.2.1.1.2.1 Test RB = RB6#0





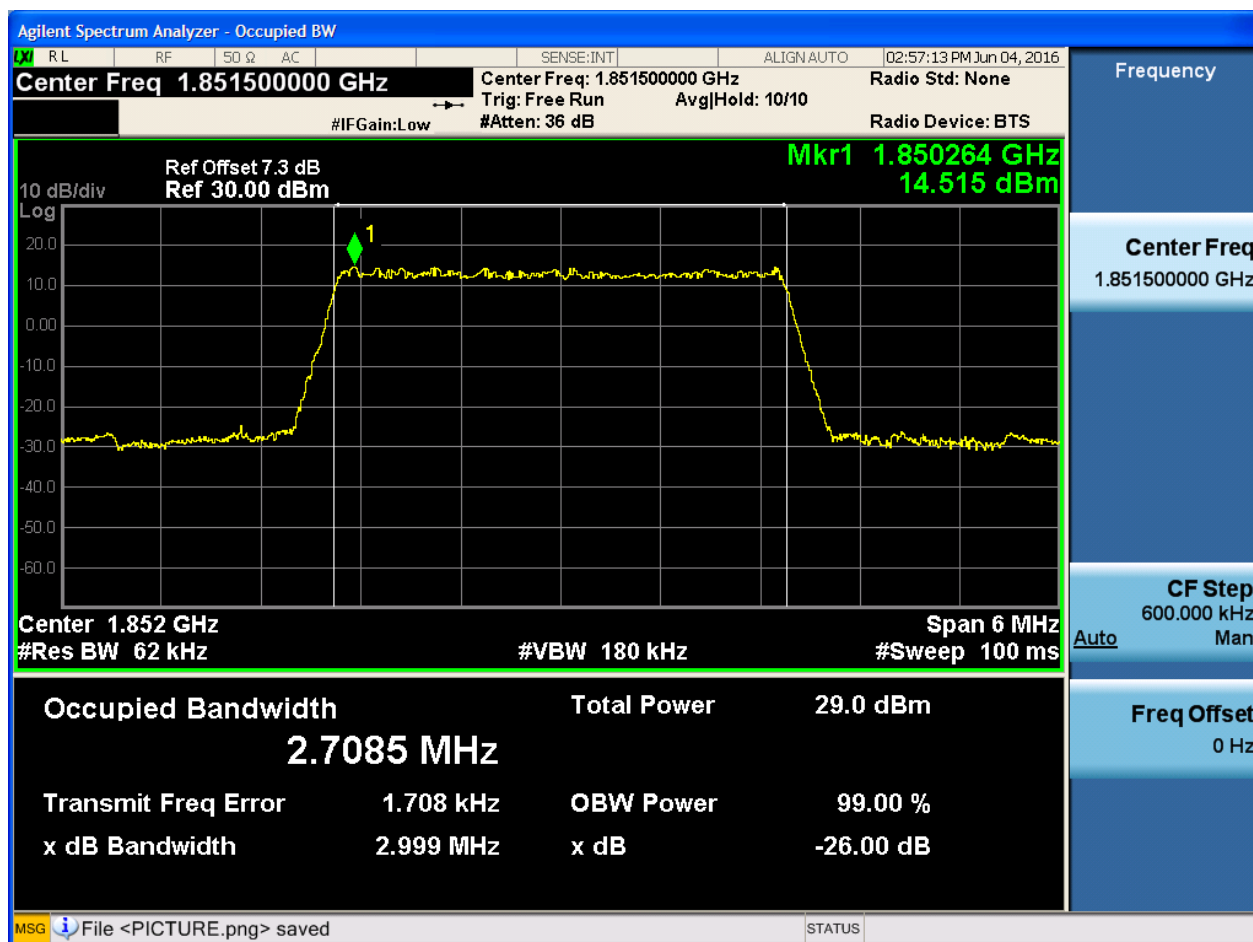
4.1.2.1.1.3 Test Channel = HCH

4.1.2.1.1.3.1 Test RB = RB6#0





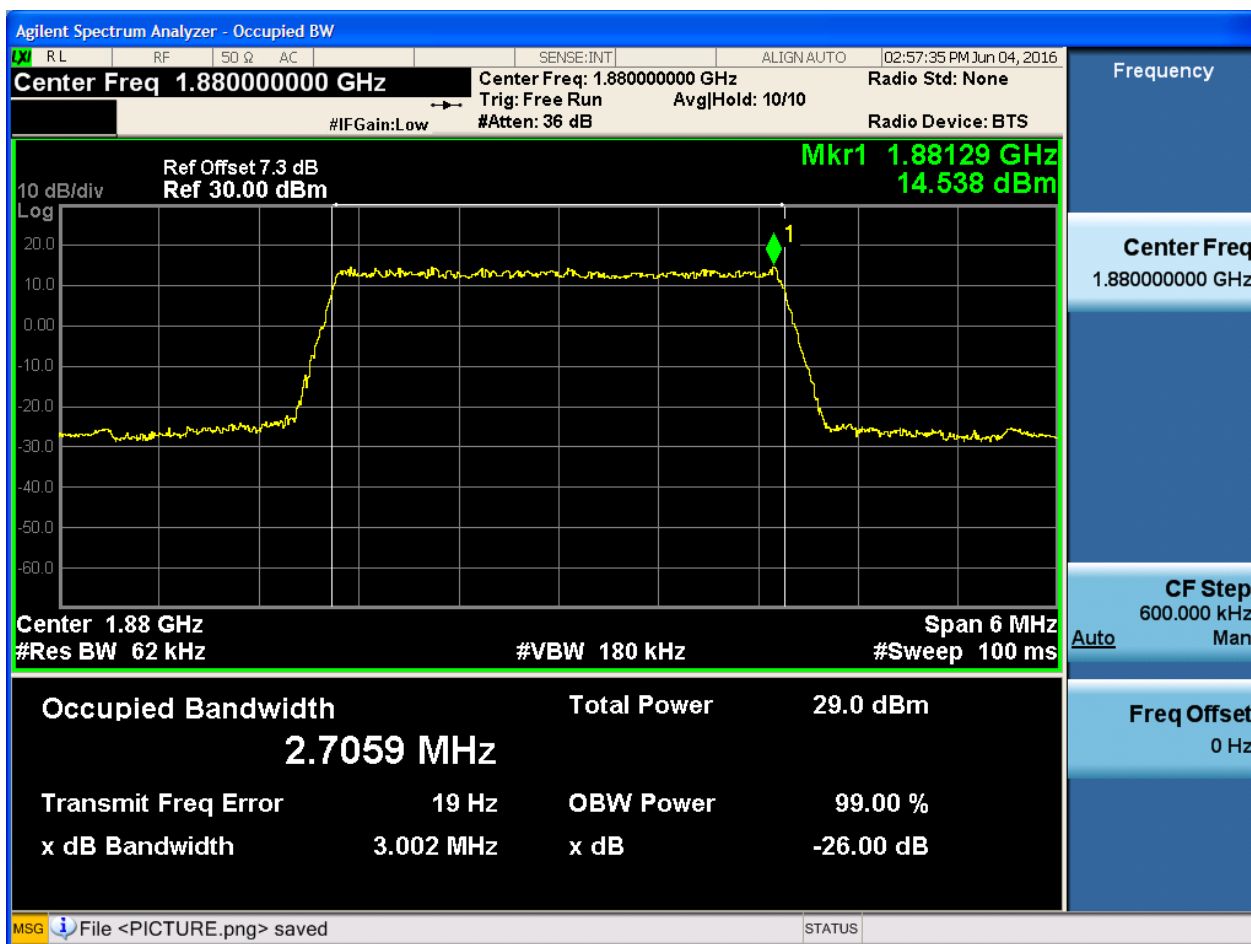
4.1.2.1.2.1.1 Test RB = RB15#0





4.1.2.1.2.2 Test Channel = MCH

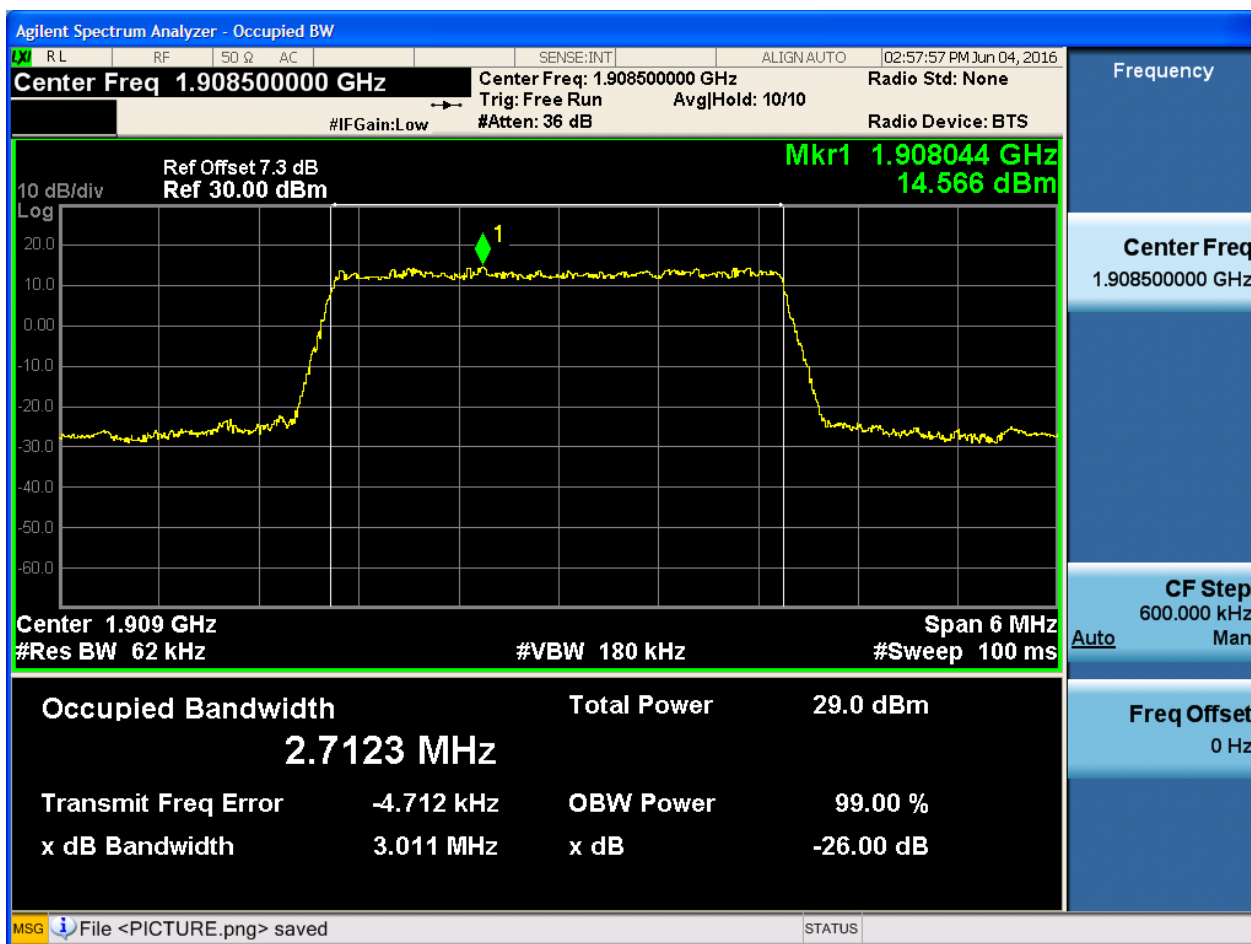
4.1.2.1.2.2.1 Test RB = RB15#0





4.1.2.1.2.3 Test Channel = HCH

4.1.2.1.2.3.1 Test RB = RB15#0

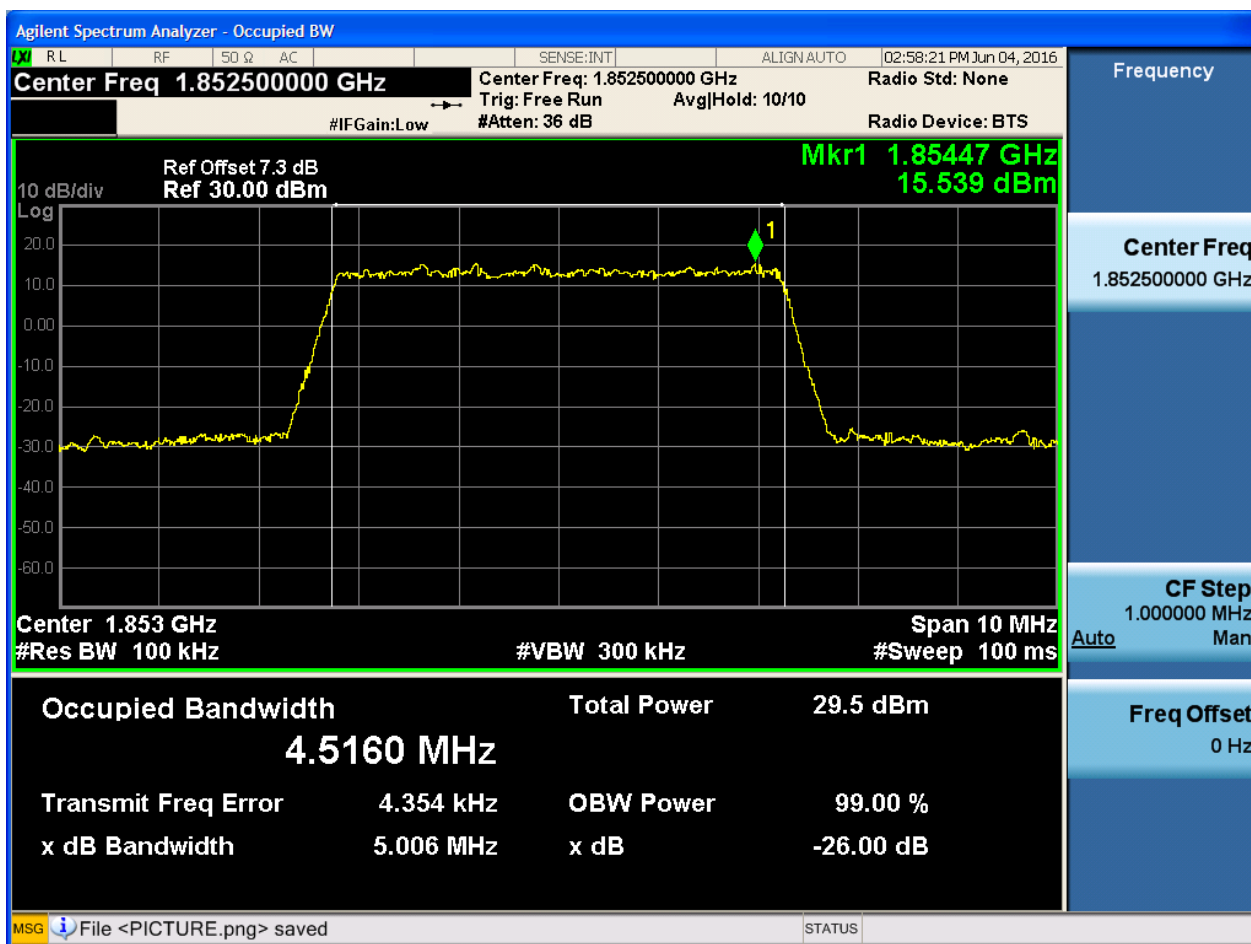




4.1.2.1.3 Test Bandwidth = 5

4.1.2.1.3.1 Test Channel = LCH

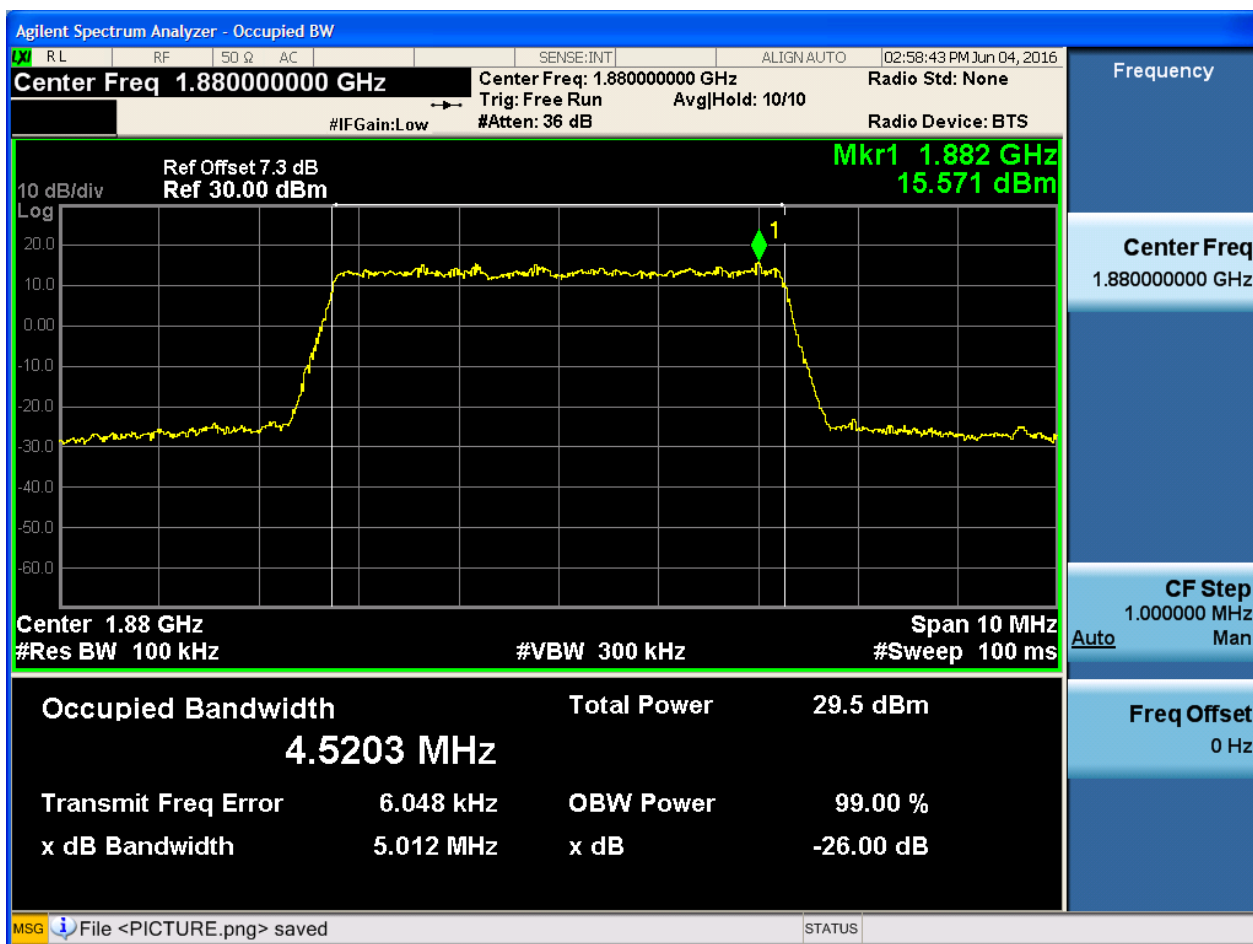
4.1.2.1.3.1.1 Test RB = RB25#0





4.1.2.1.3.2 Test Channel = MCH

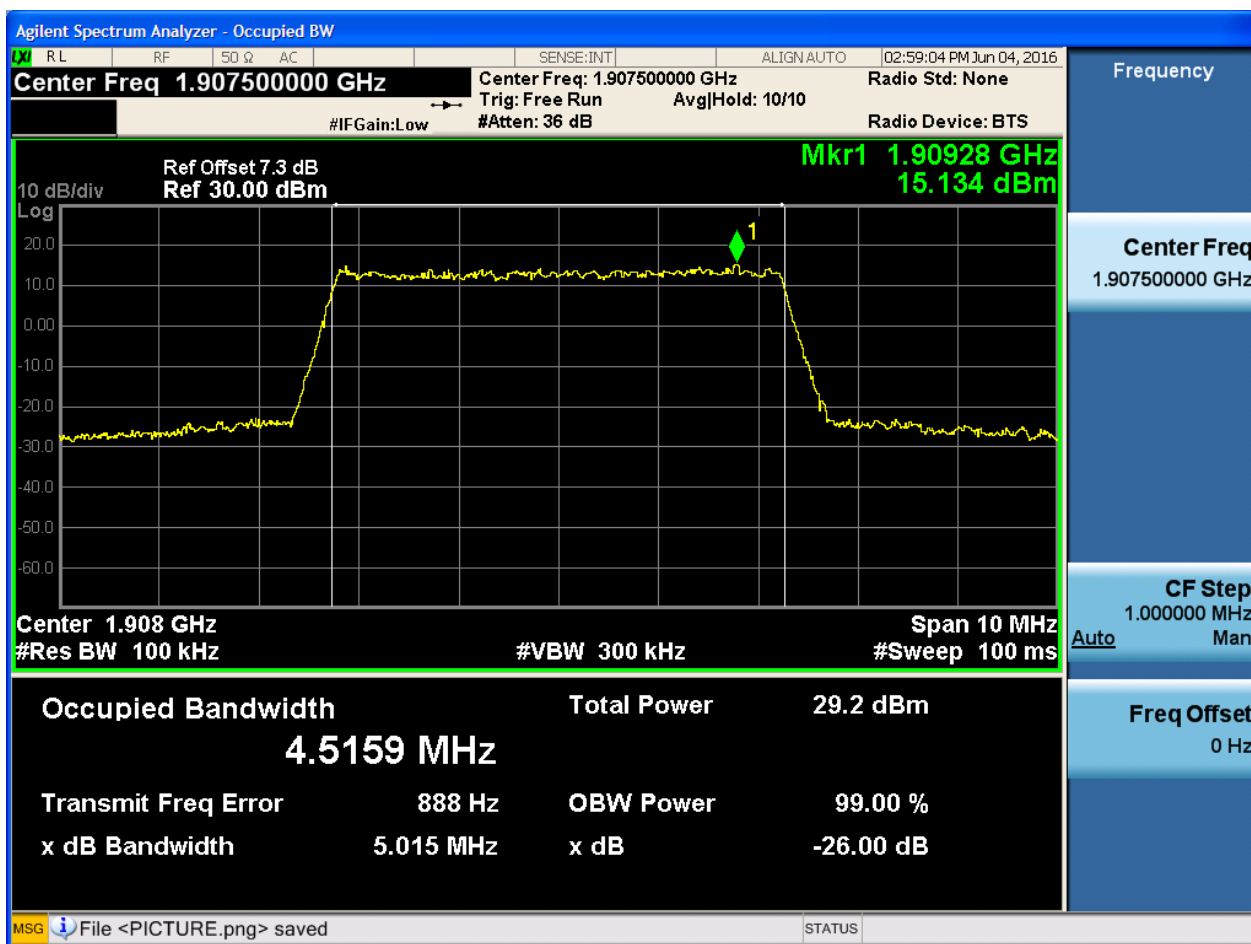
4.1.2.1.3.2.1 Test RB = RB25#0





4.1.2.1.3.3 Test Channel = HCH

4.1.2.1.3.3.1 Test RB = RB25#0

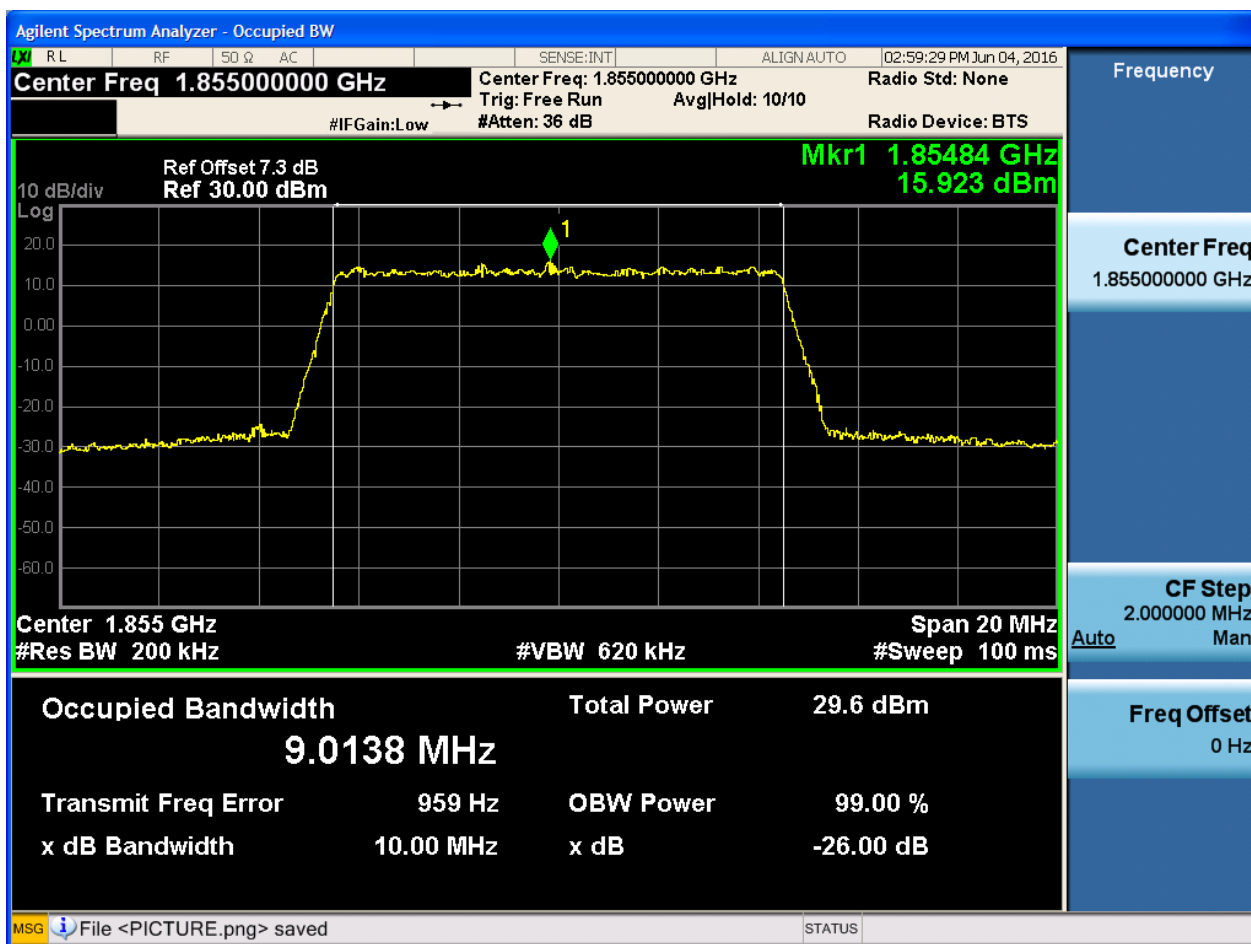




4.1.2.1.4 Test Bandwidth = 10

4.1.2.1.4.1 Test Channel = LCH

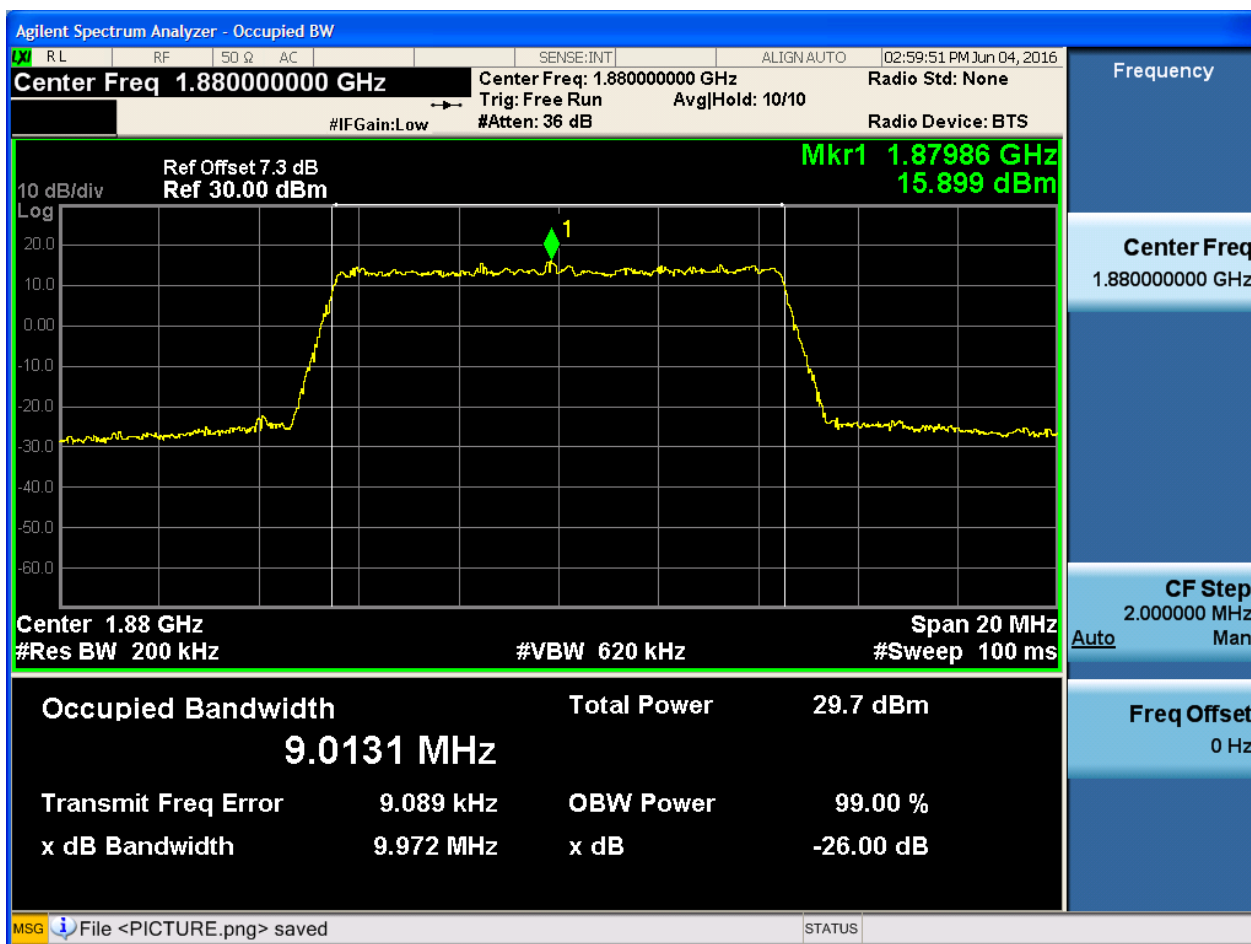
4.1.2.1.4.1.1 Test RB = RB50#0





4.1.2.1.4.2 Test Channel = MCH

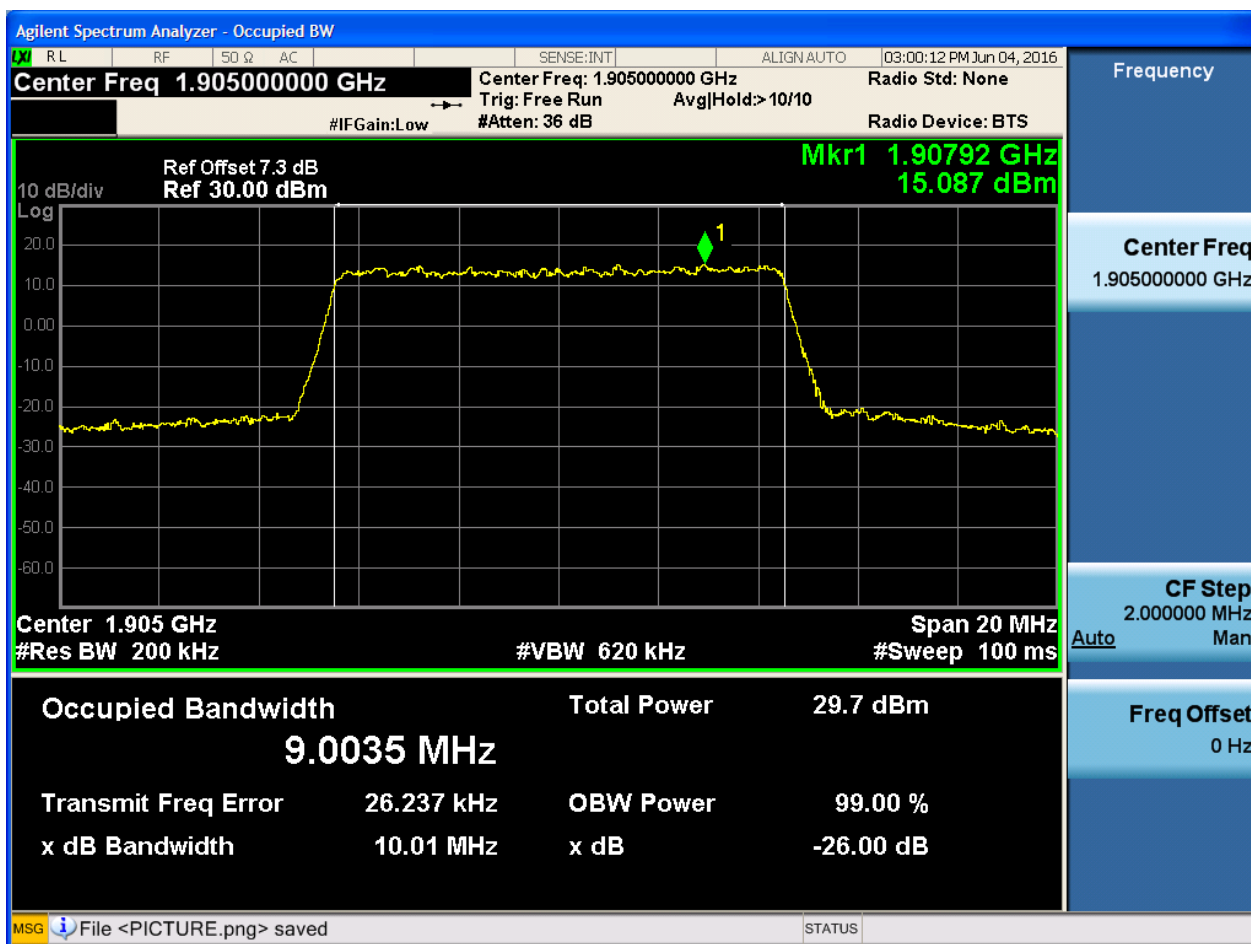
4.1.2.1.4.2.1 Test RB = RB50#0





4.1.2.1.4.3 Test Channel = HCH

4.1.2.1.4.3.1 Test RB = RB50#0

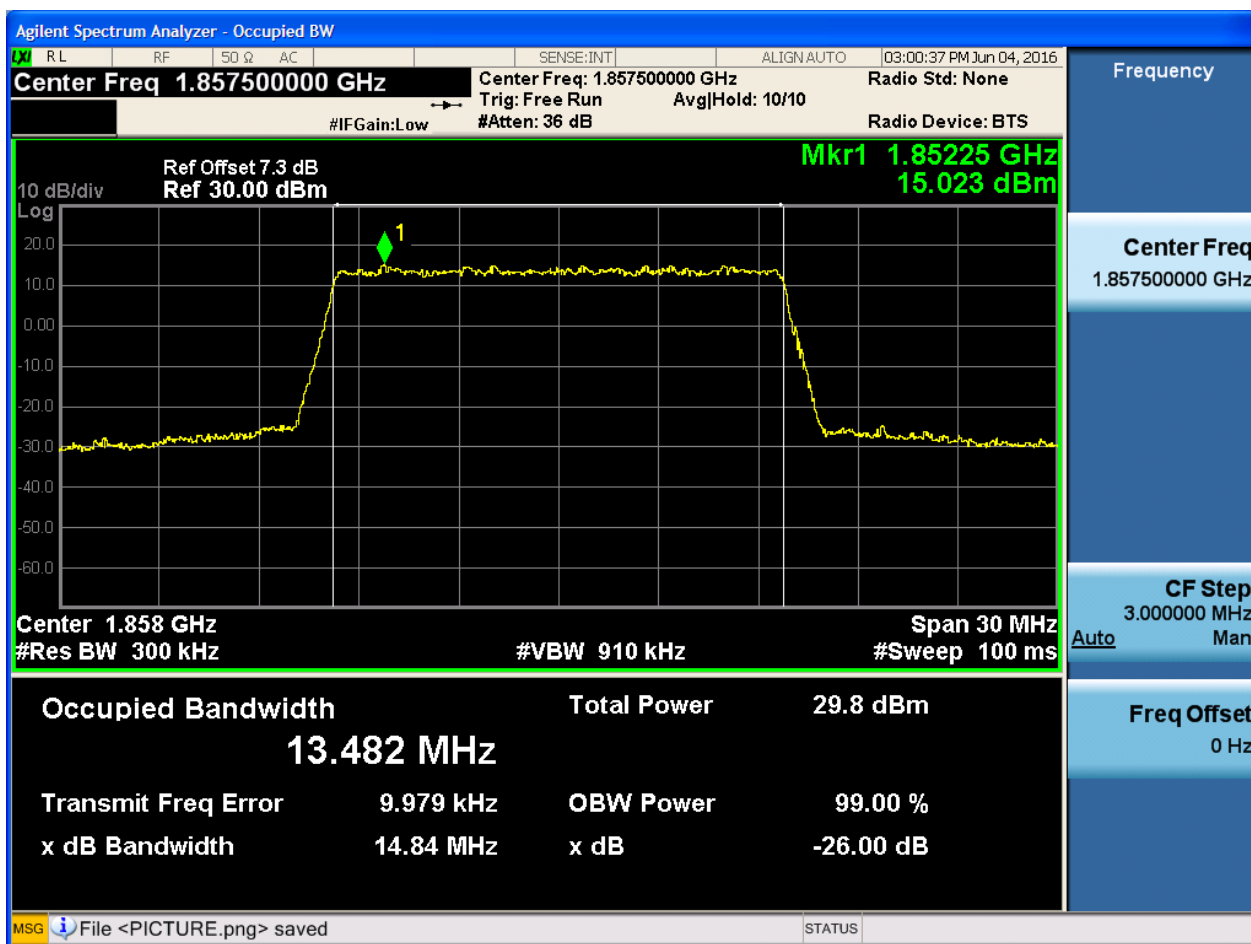




4.1.2.1.5 Test Bandwidth = 15

4.1.2.1.5.1 Test Channel = LCH

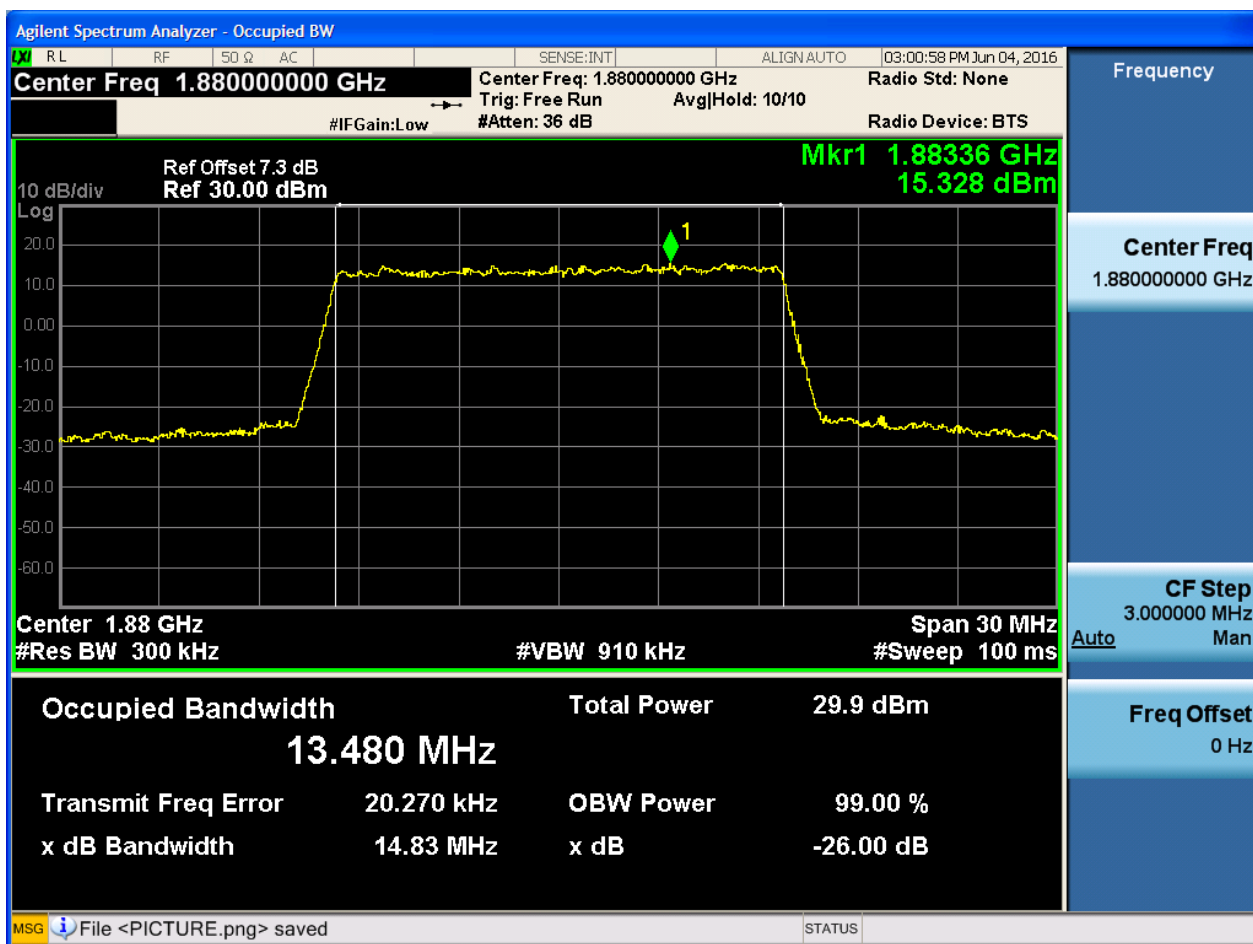
4.1.2.1.5.1.1 Test RB = RB75#0





4.1.2.1.5.2 Test Channel = MCH

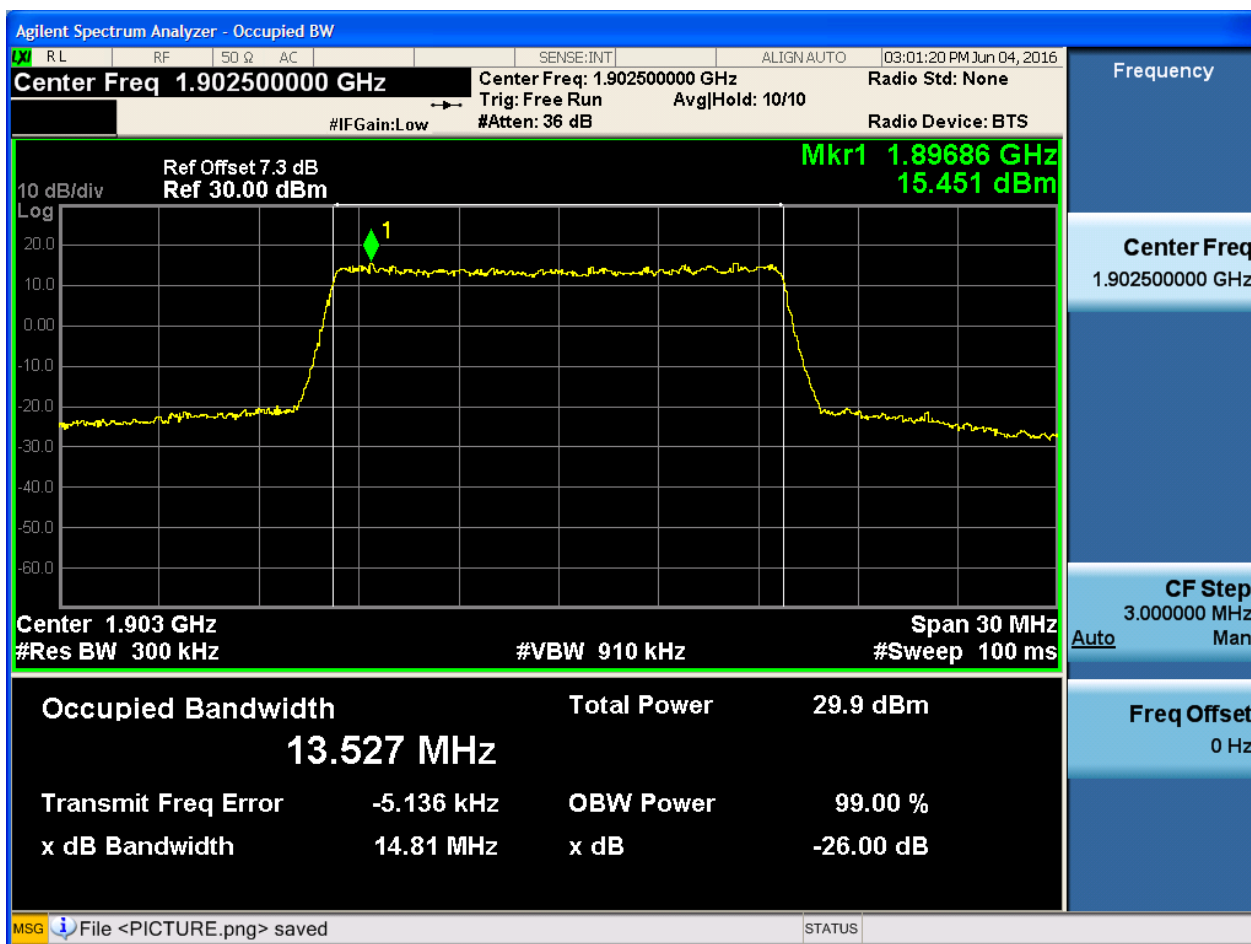
4.1.2.1.5.2.1 Test RB = RB75#0





4.1.2.1.5.3 Test Channel = HCH

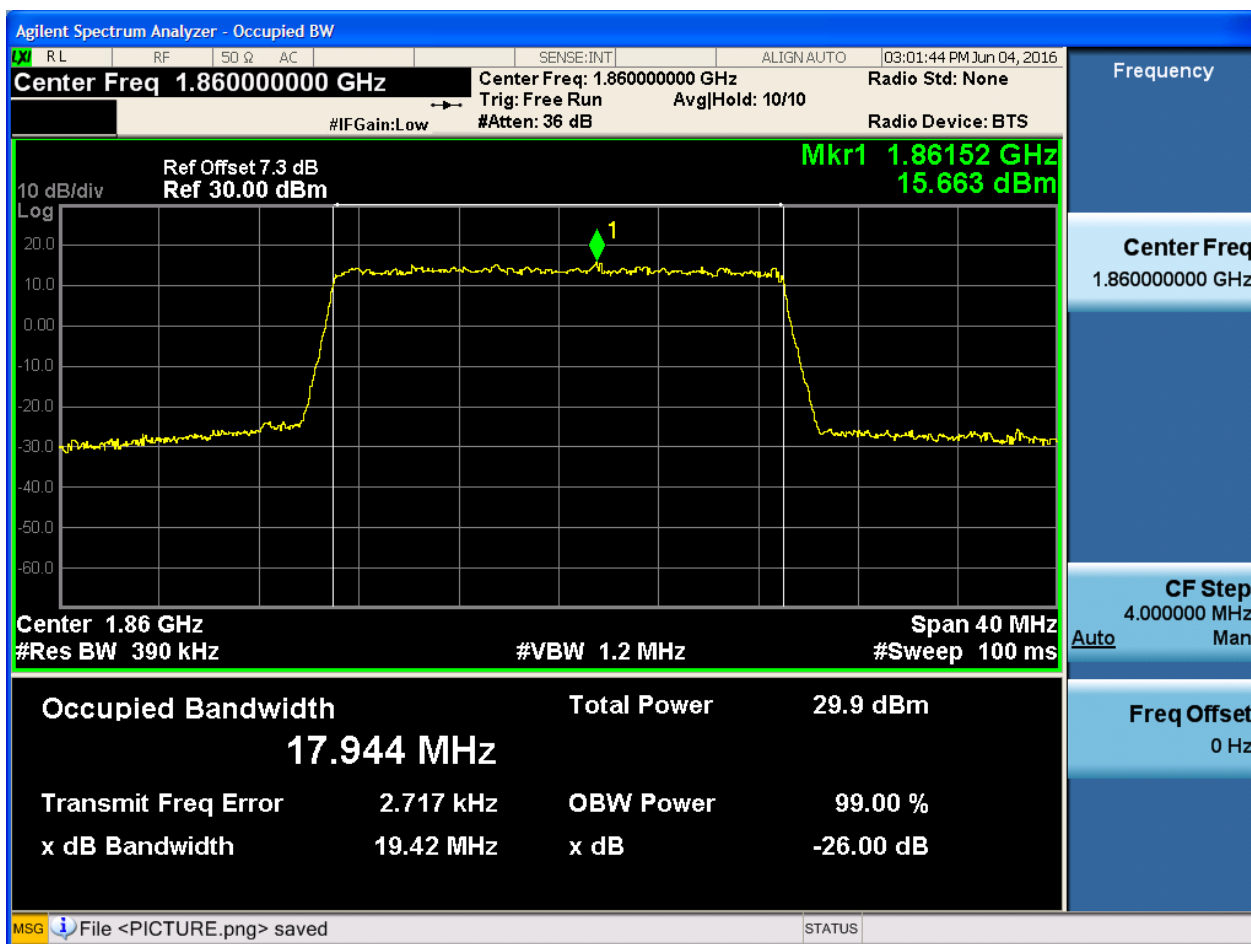
4.1.2.1.5.3.1 Test RB = RB75#0



4.1.2.1.6 Test Bandwidth = 20

4.1.2.1.6.1 Test Channel = LCH

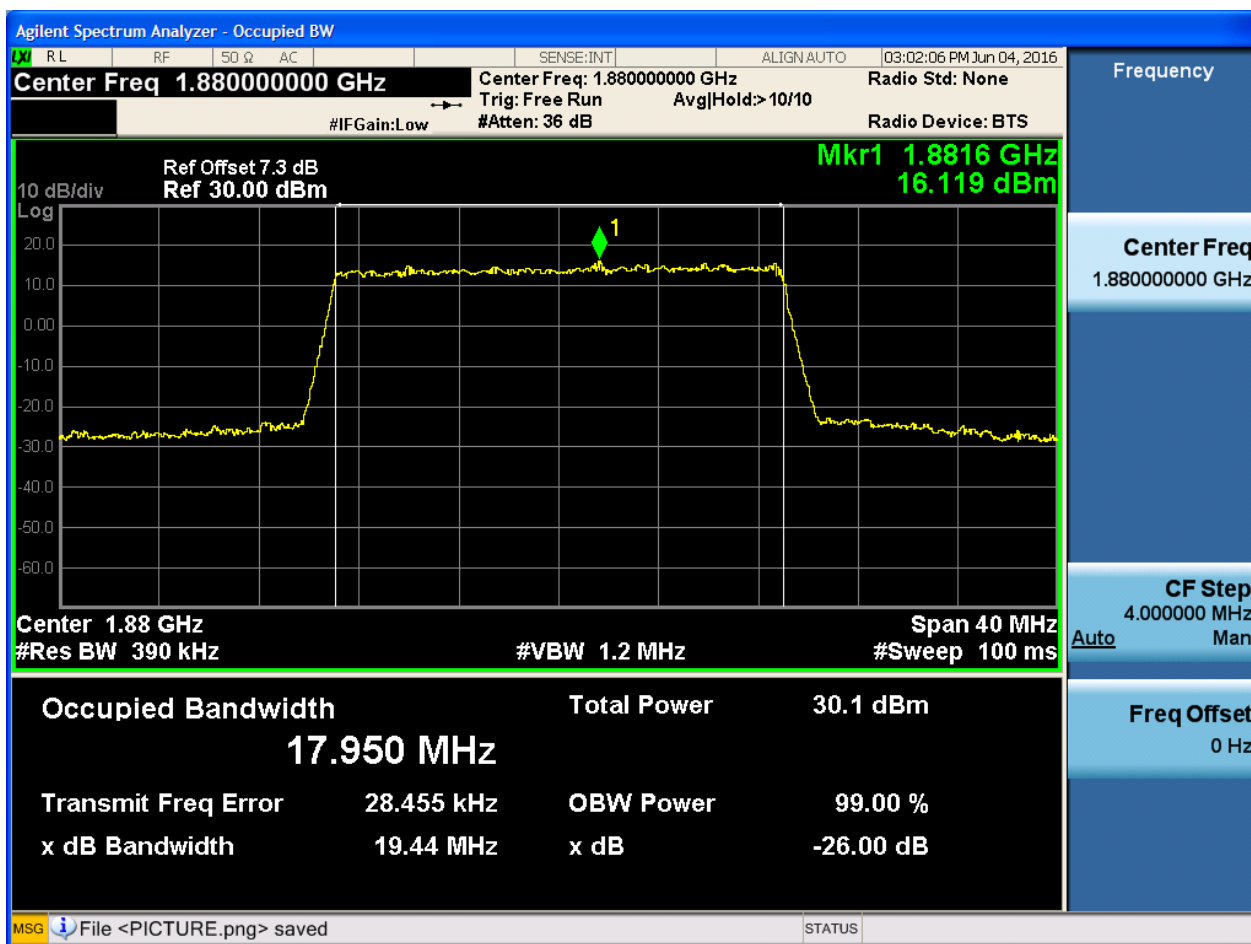
4.1.2.1.6.1.1 Test RB = RB100#0





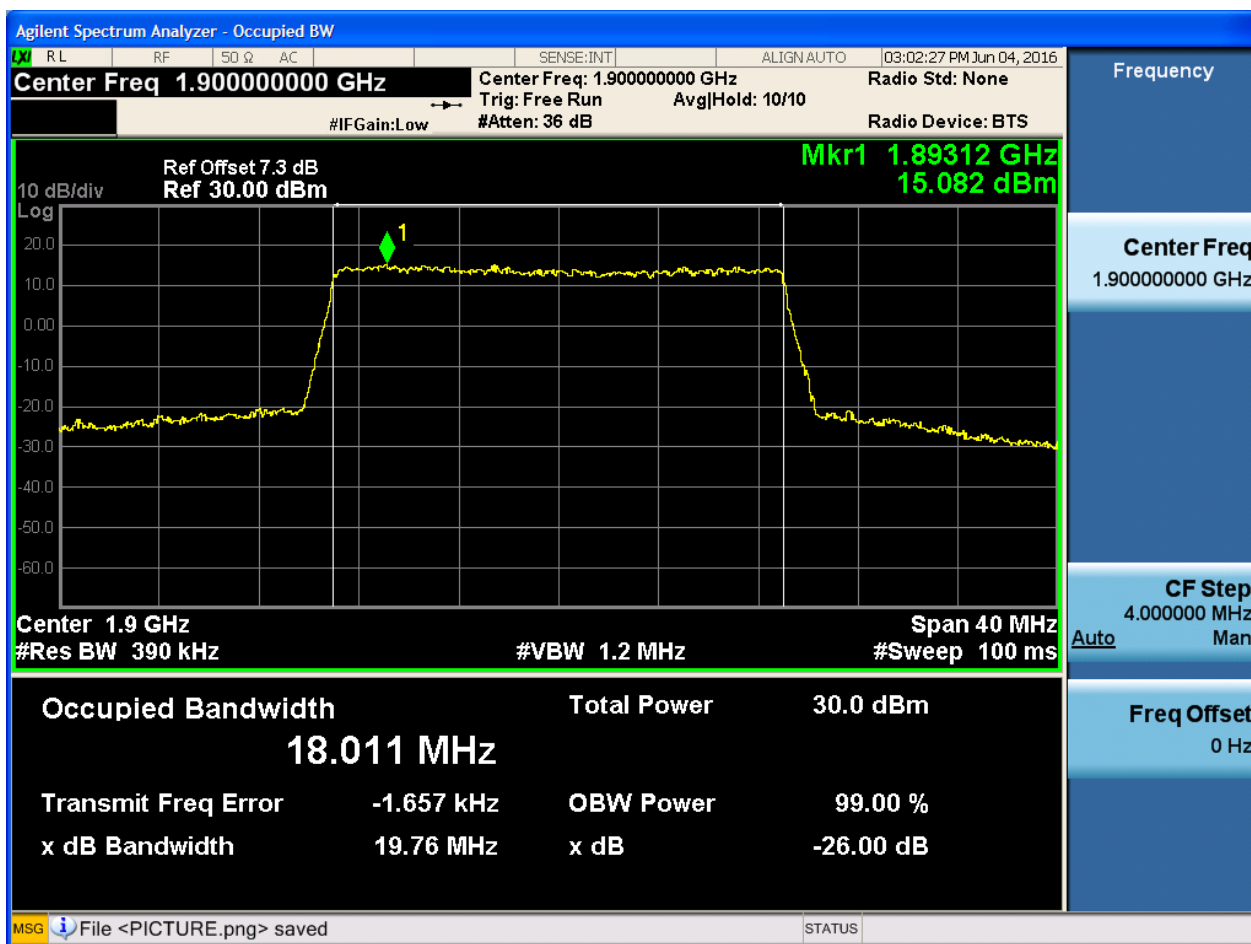
4.1.2.1.6.2 Test Channel = MCH

4.1.2.1.6.2.1 Test RB = RB100#0



4.1.2.1.6.3 Test Channel = HCH

4.1.2.1.6.3.1 Test RB = RB100#0

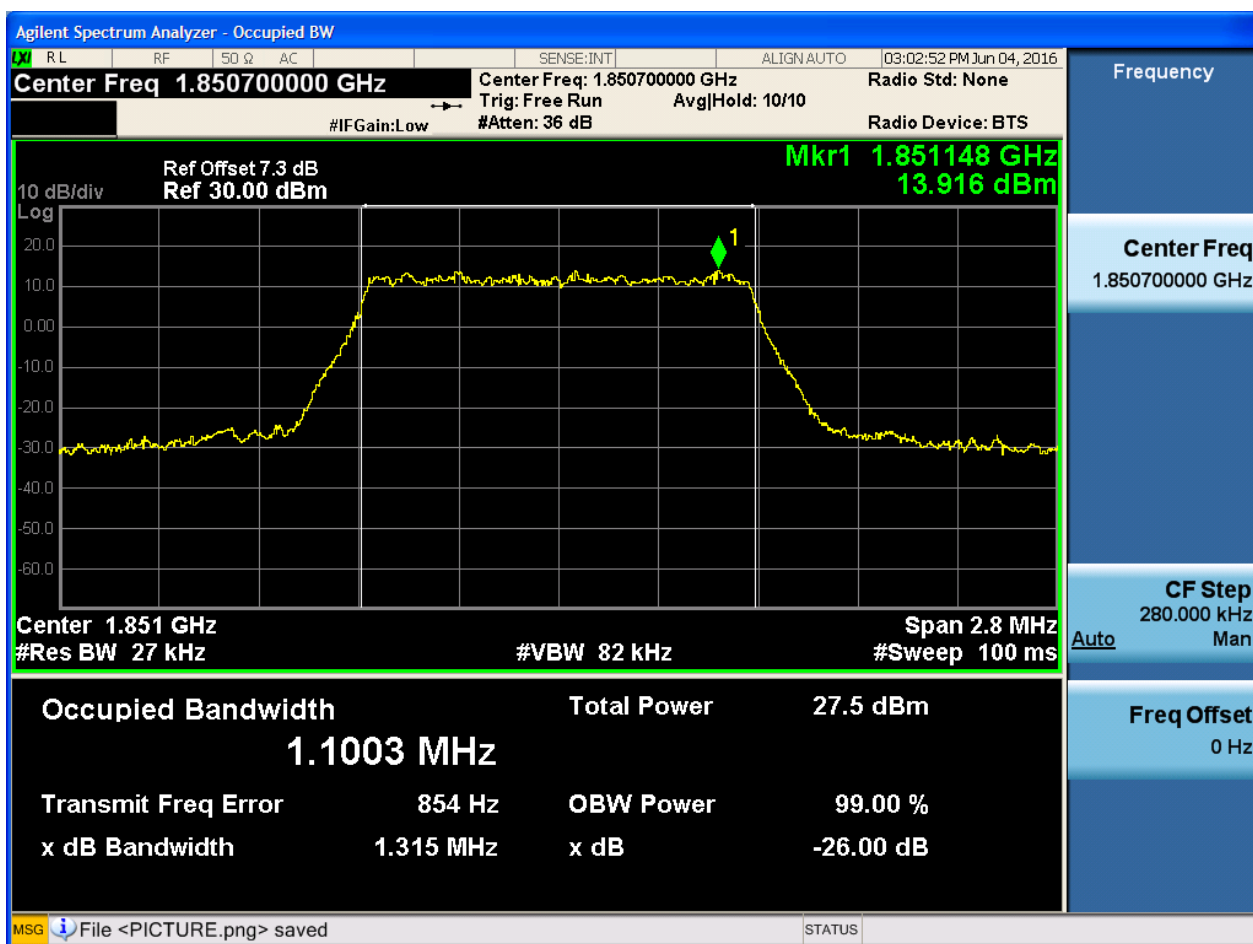


4.1.2.2 Test Mode = LTE/TM2

4.1.2.2.1 Test Bandwidth = 1.4

4.1.2.2.1.1 Test Channel = LCH

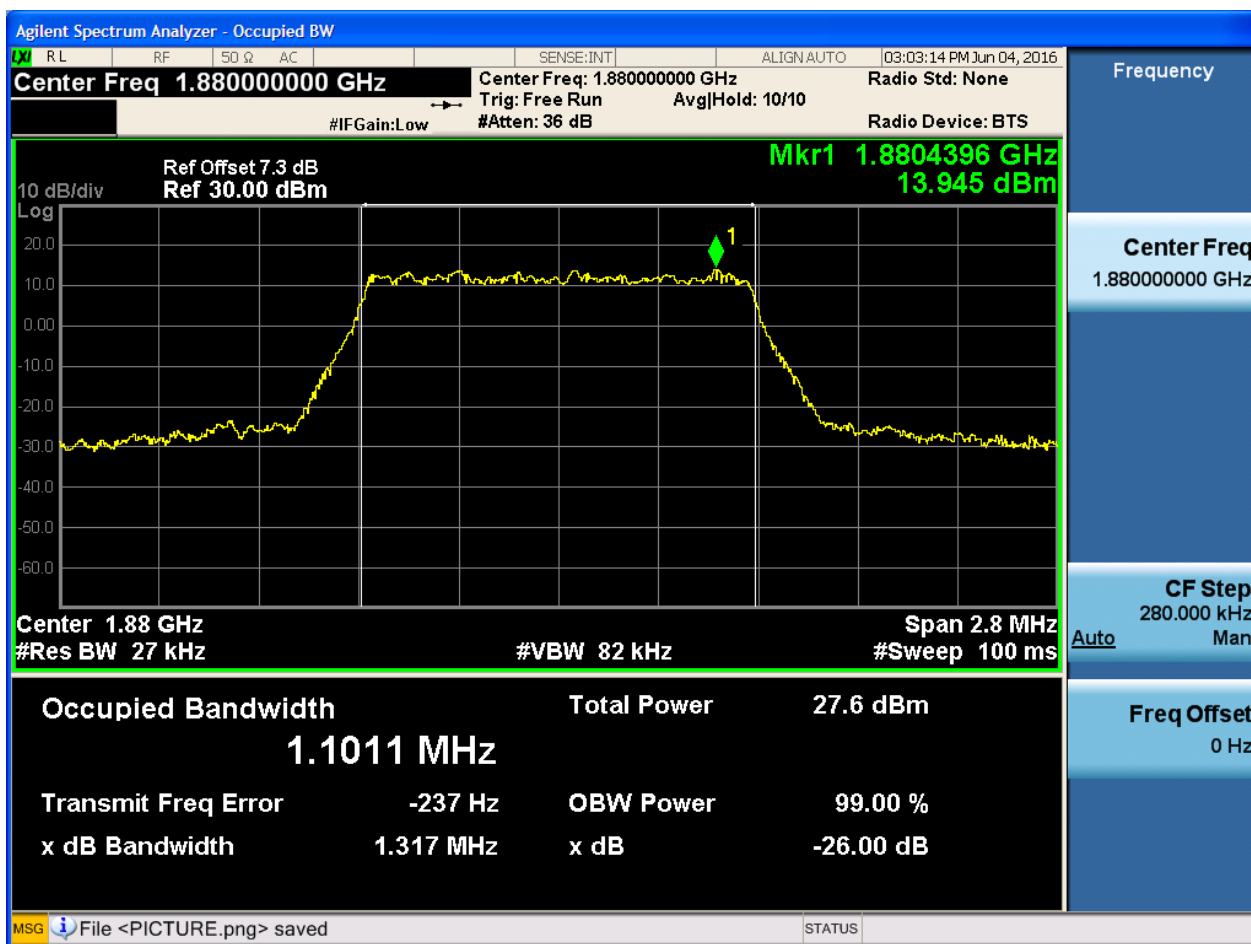
4.1.2.2.1.1.1 Test RB = RB6#0





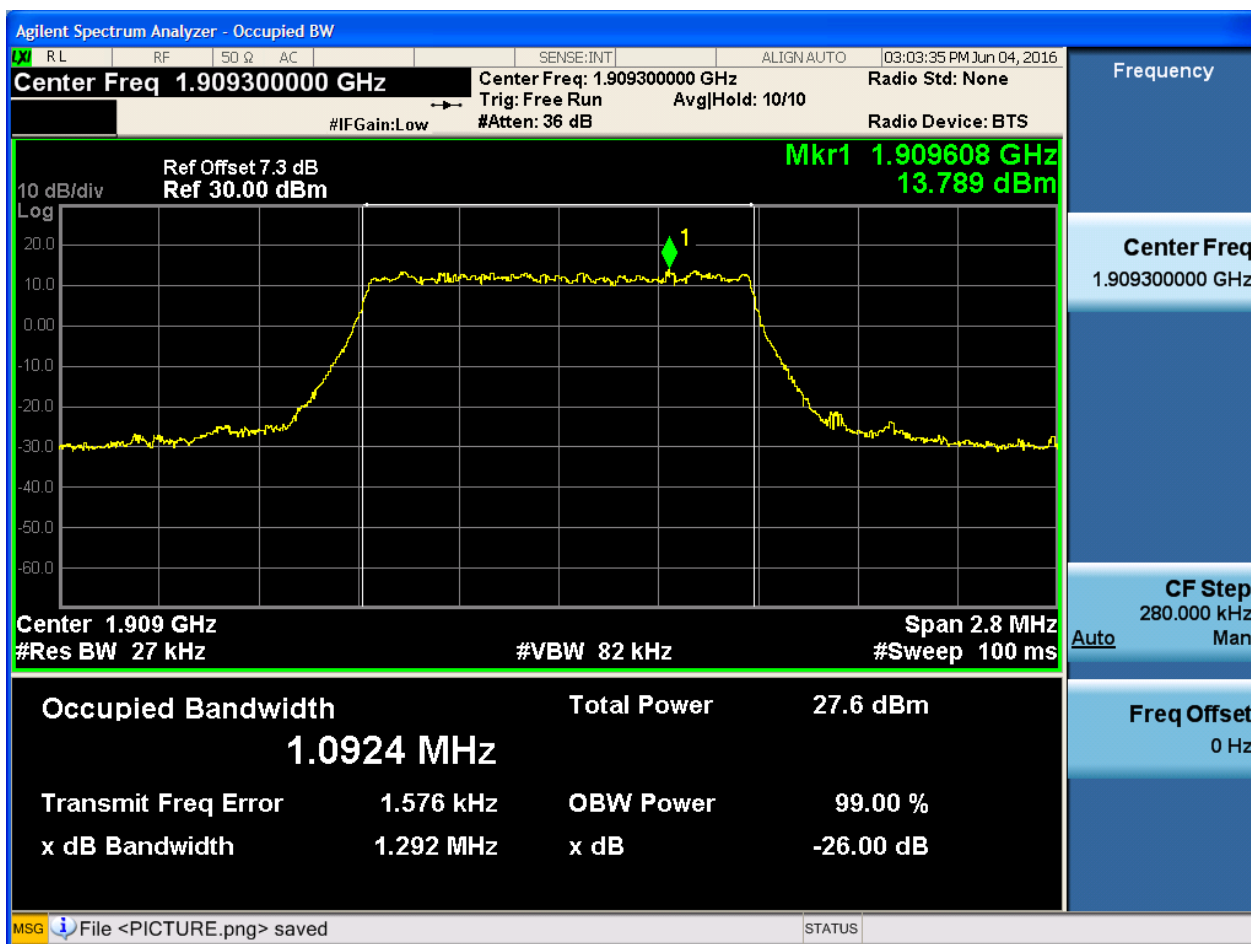
4.1.2.2.1.2 Test Channel = MCH

4.1.2.2.1.2.1 Test RB = RB6#0



4.1.2.2.1.3 Test Channel = HCH

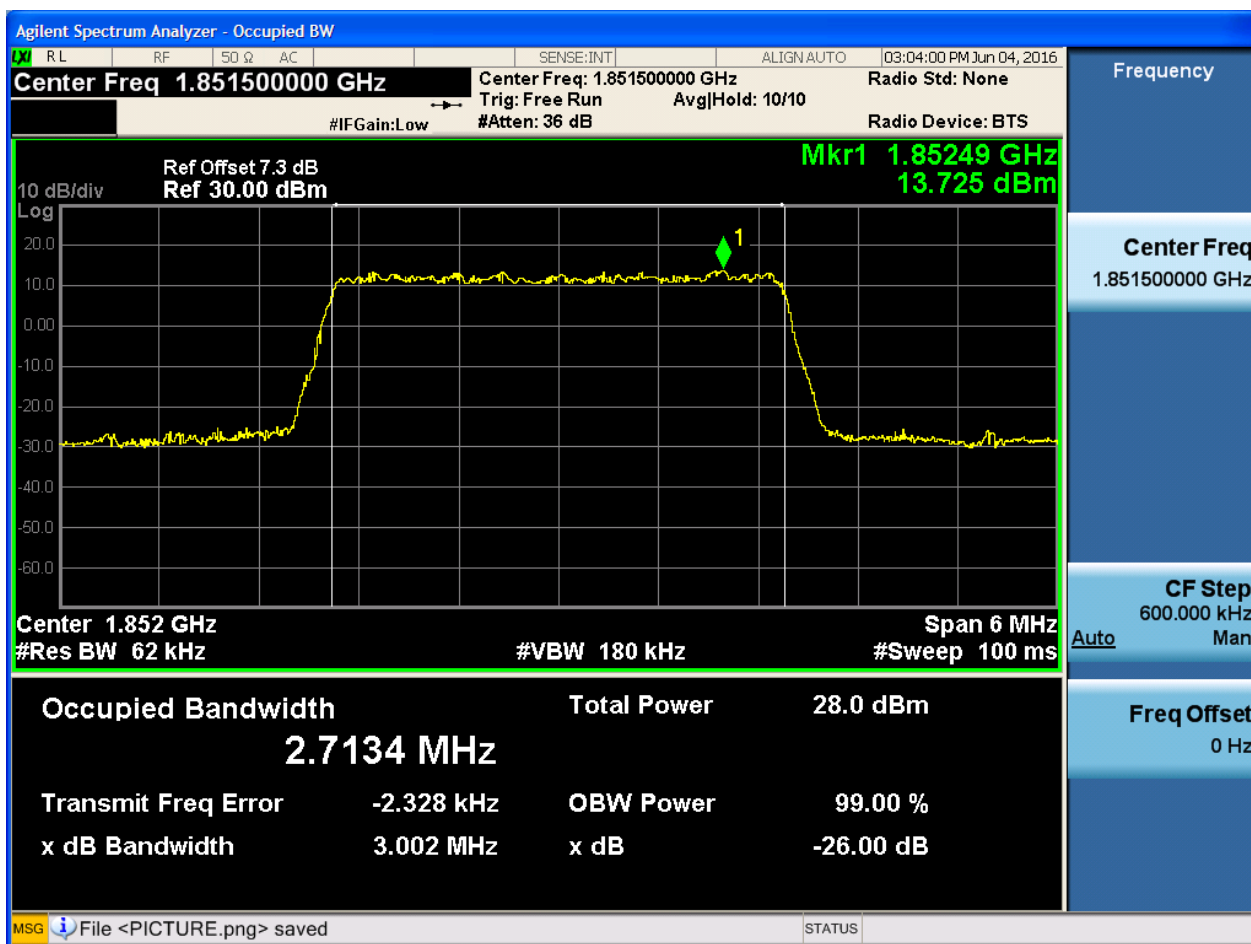
4.1.2.2.1.3.1 Test RB = RB6#0



4.1.2.2.2 Test Bandwidth = 3

4.1.2.2.2.1 Test Channel = LCH

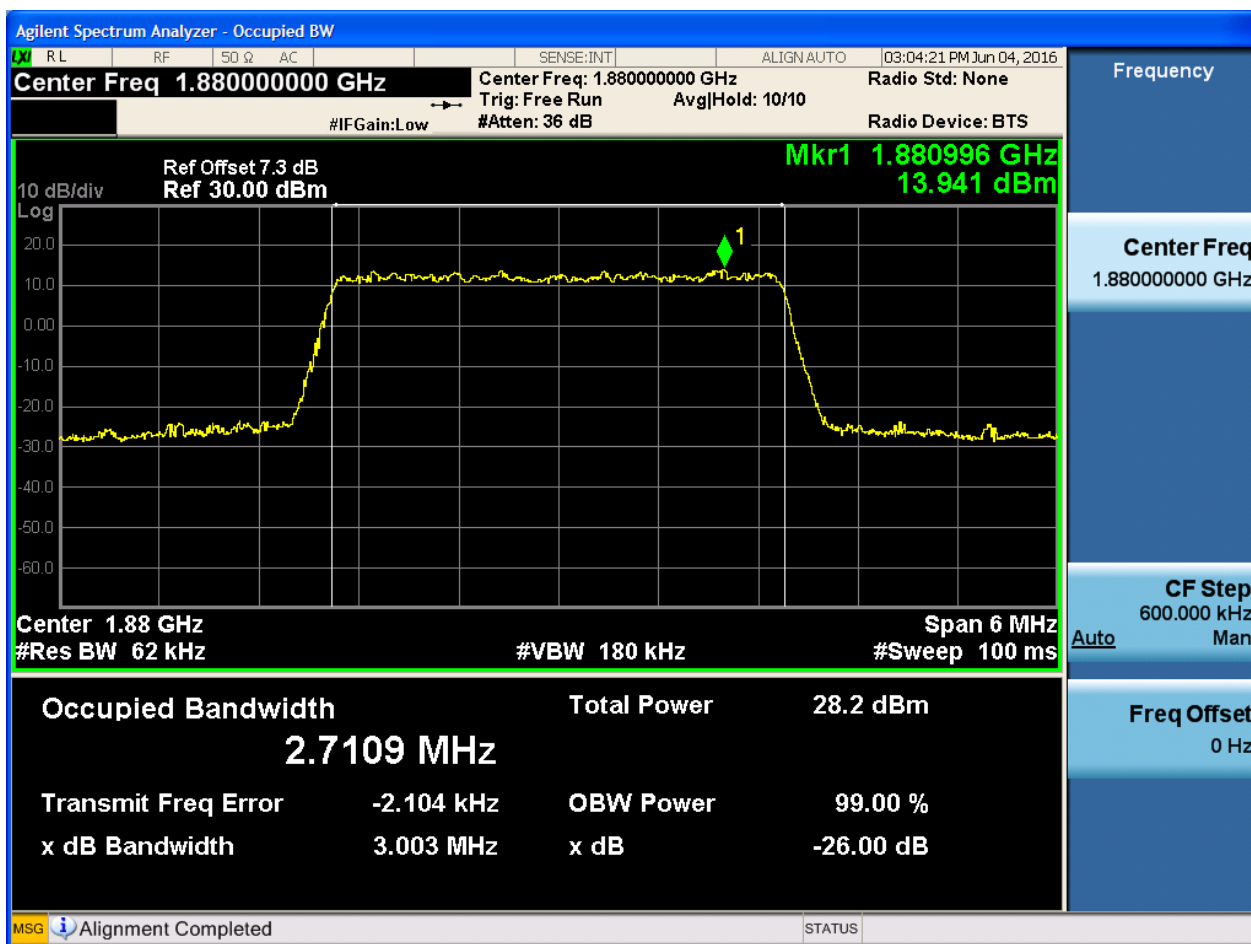
4.1.2.2.2.1.1 Test RB = RB15#0





4.1.2.2.2 Test Channel = MCH

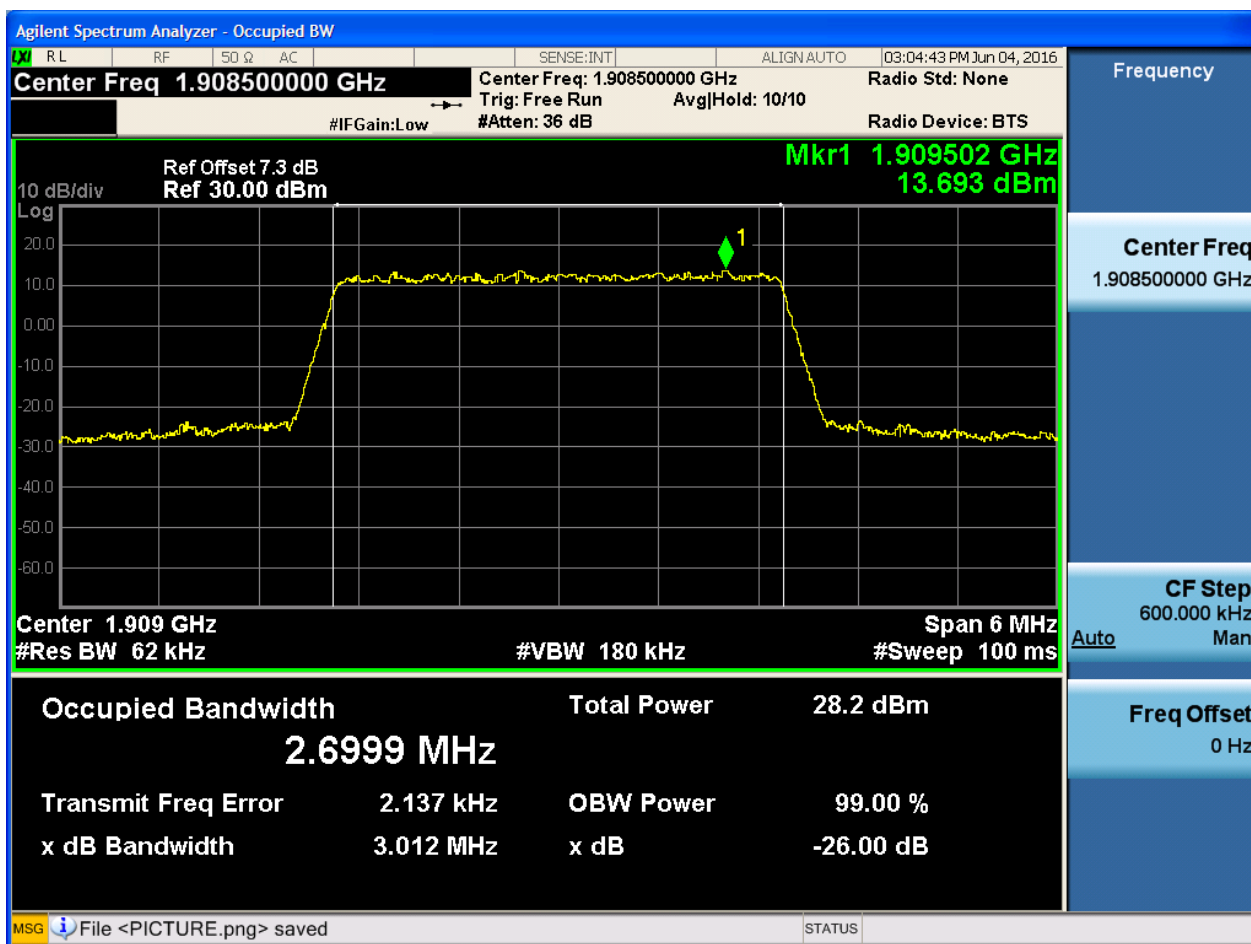
4.1.2.2.2.1 Test RB = RB15#0





4.1.2.2.2.3 Test Channel = HCH

4.1.2.2.2.3.1 Test RB = RB15#0

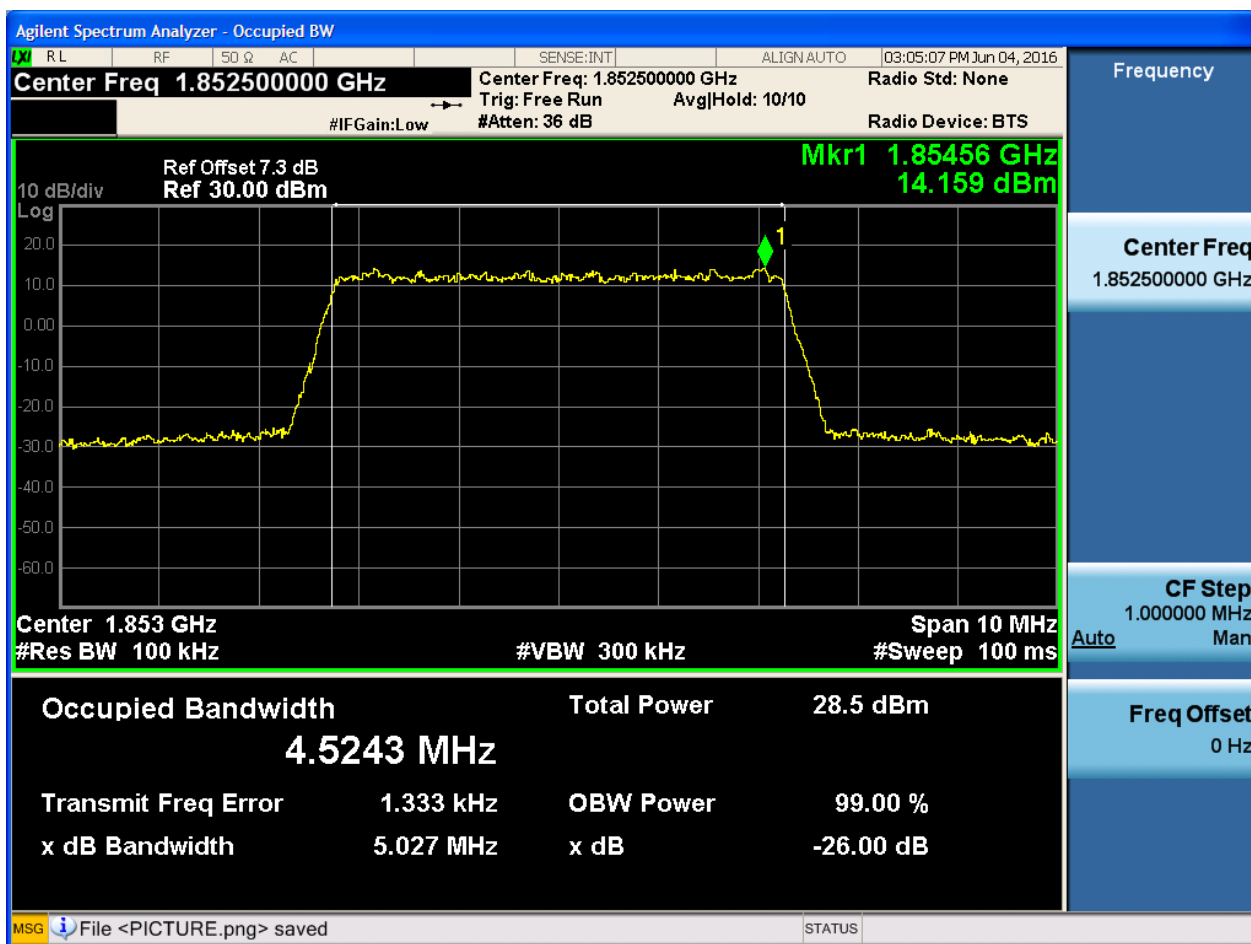




4.1.2.2.3 Test Bandwidth = 5

4.1.2.2.3.1 Test Channel = LCH

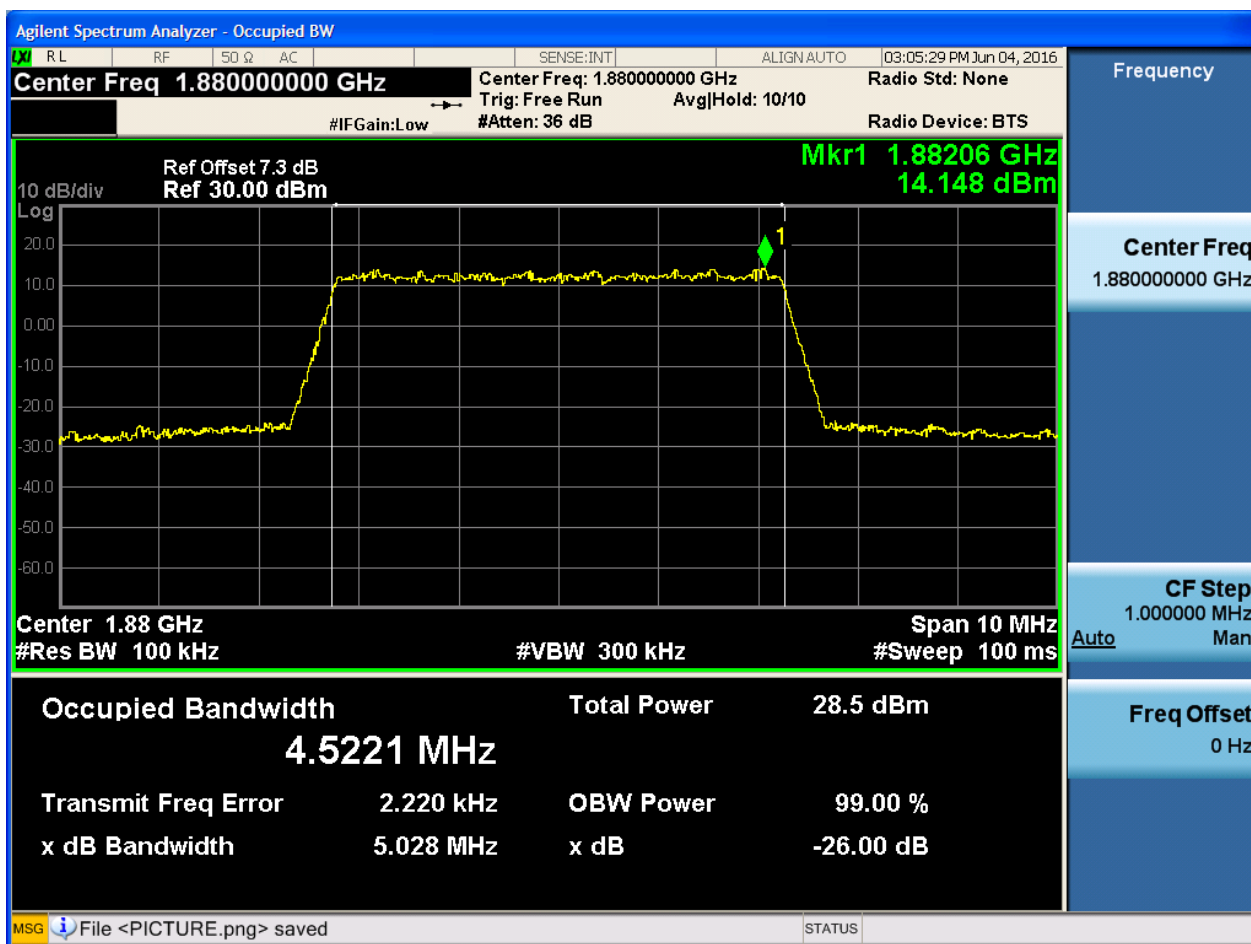
4.1.2.2.3.1.1 Test RB = RB25#0





4.1.2.2.3.2 Test Channel = MCH

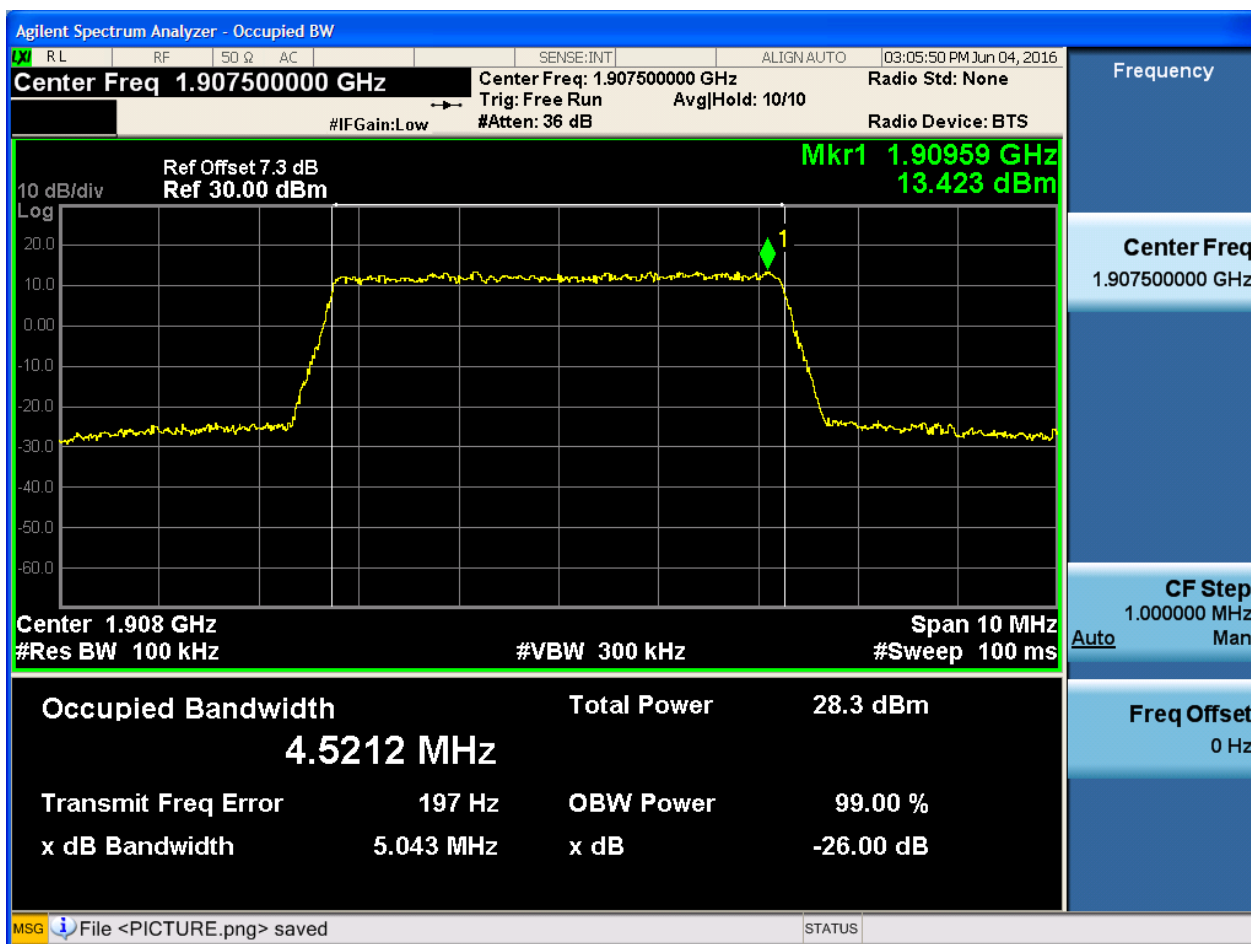
4.1.2.2.3.2.1 Test RB = RB25#0





4.1.2.2.3.3 Test Channel = HCH

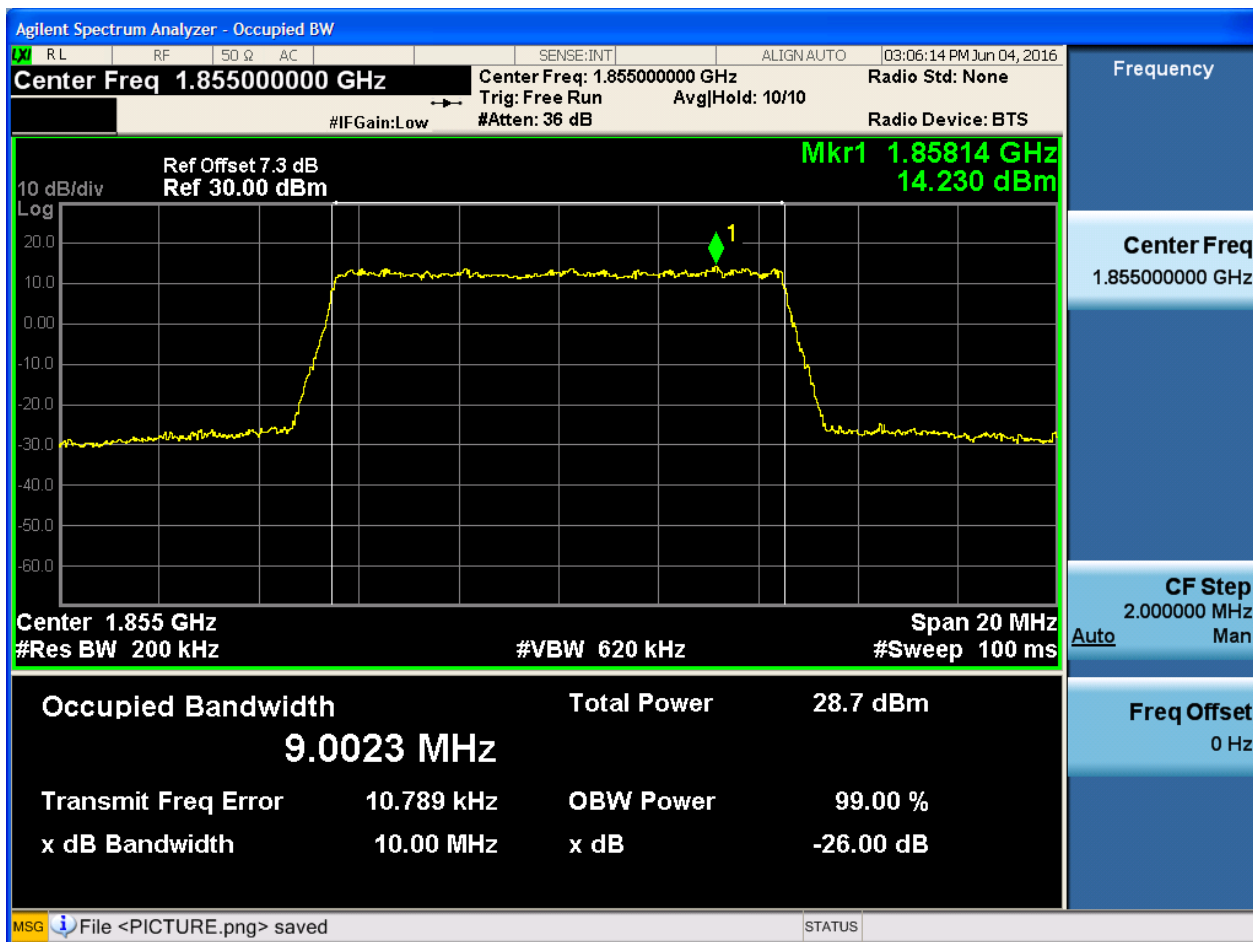
4.1.2.2.3.3.1 Test RB = RB25#0



4.1.2.2.4 Test Bandwidth = 10

4.1.2.2.4.1 Test Channel = LCH

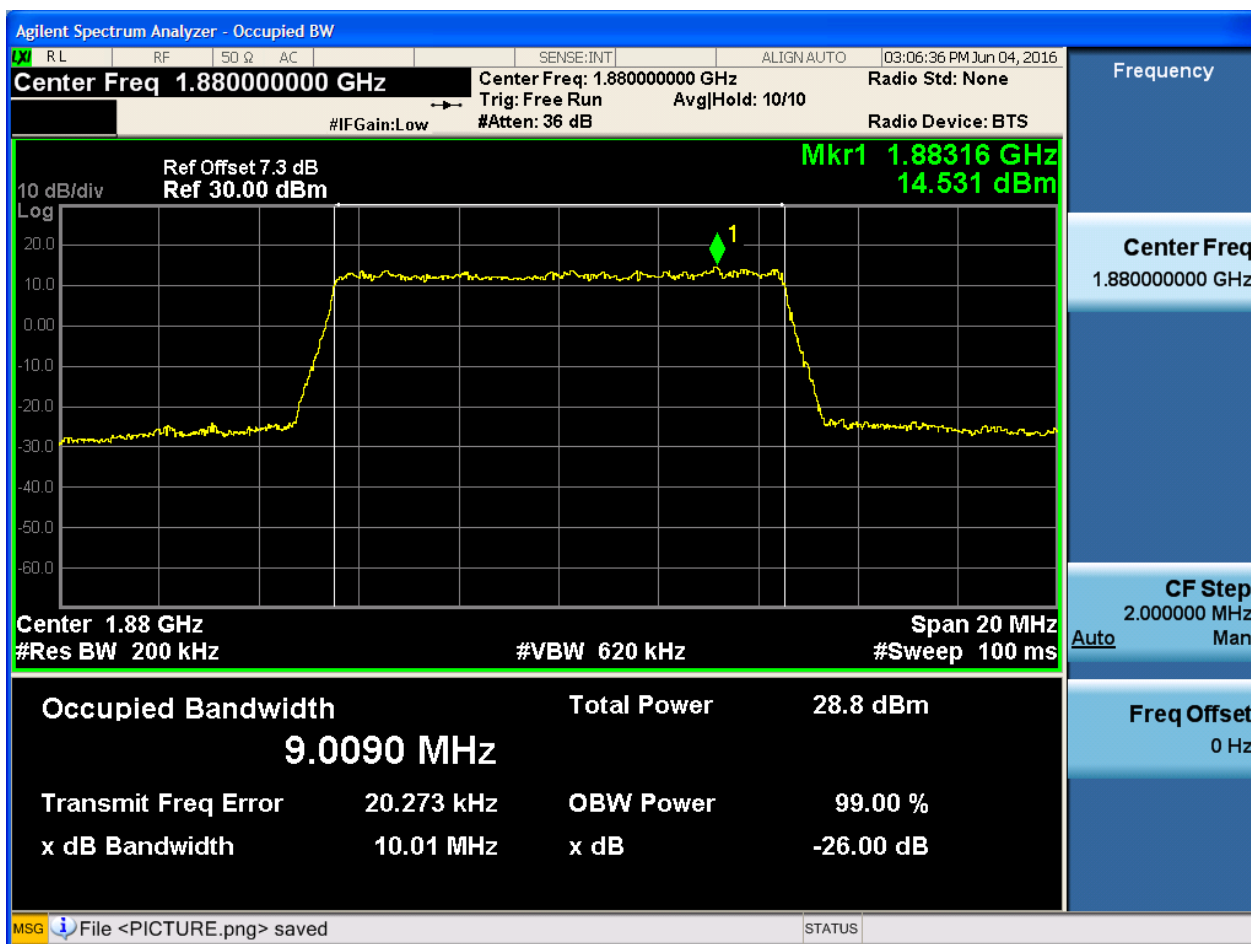
4.1.2.2.4.1.1 Test RB = RB50#0





4.1.2.2.4.2 Test Channel = MCH

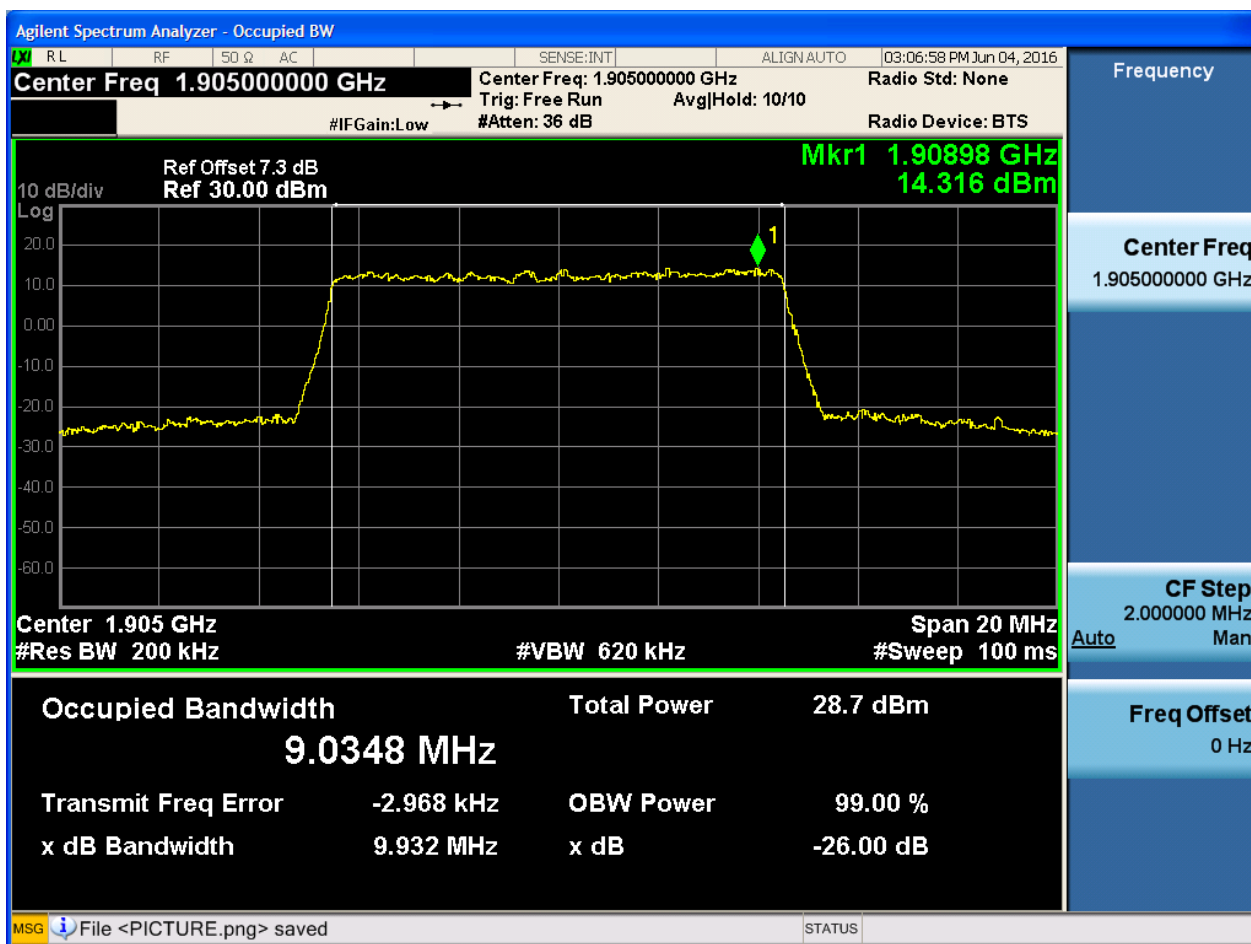
4.1.2.2.4.2.1 Test RB = RB50#0





4.1.2.2.4.3 Test Channel = HCH

4.1.2.2.4.3.1 Test RB = RB50#0

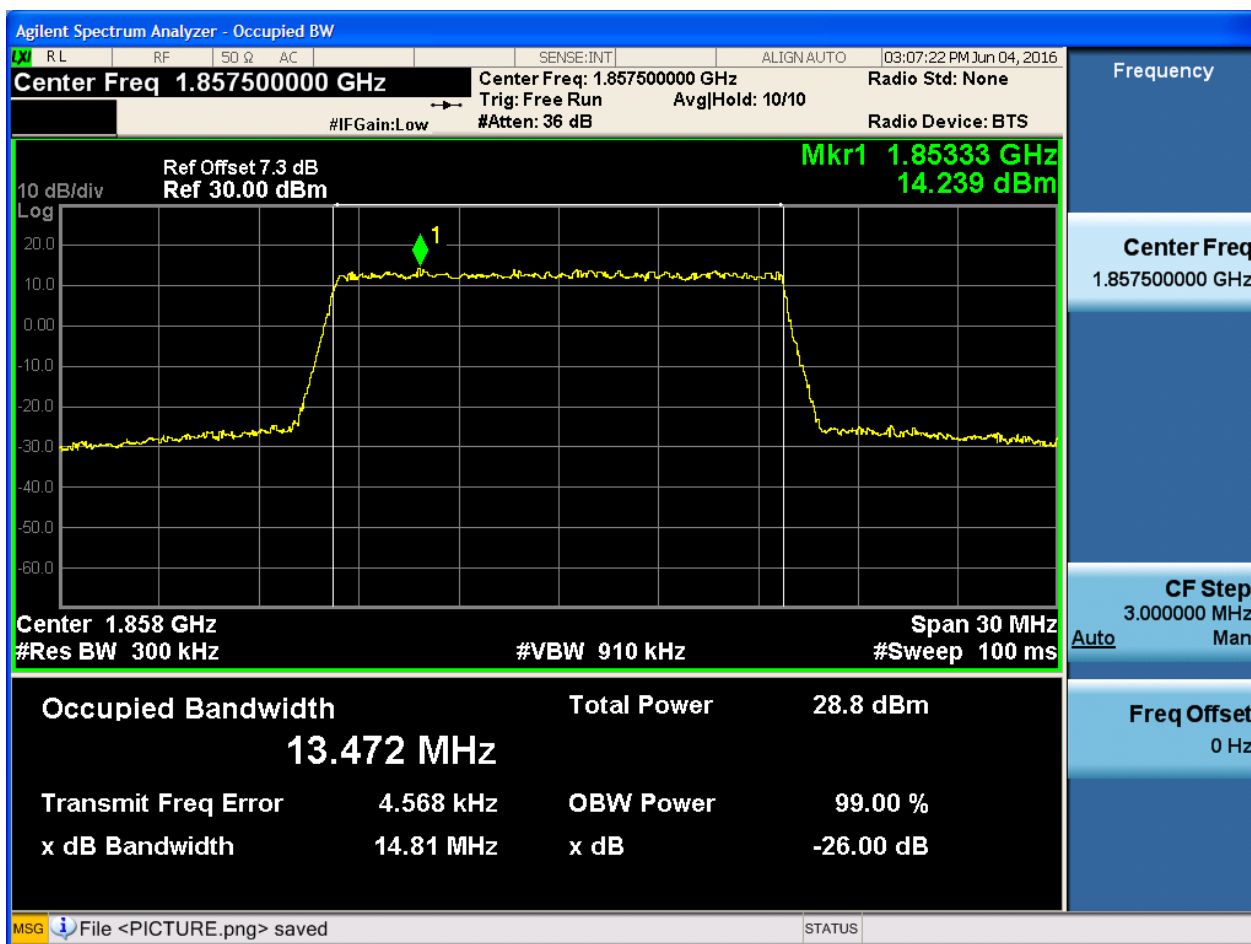




4.1.2.2.5 Test Bandwidth = 15

4.1.2.2.5.1 Test Channel = LCH

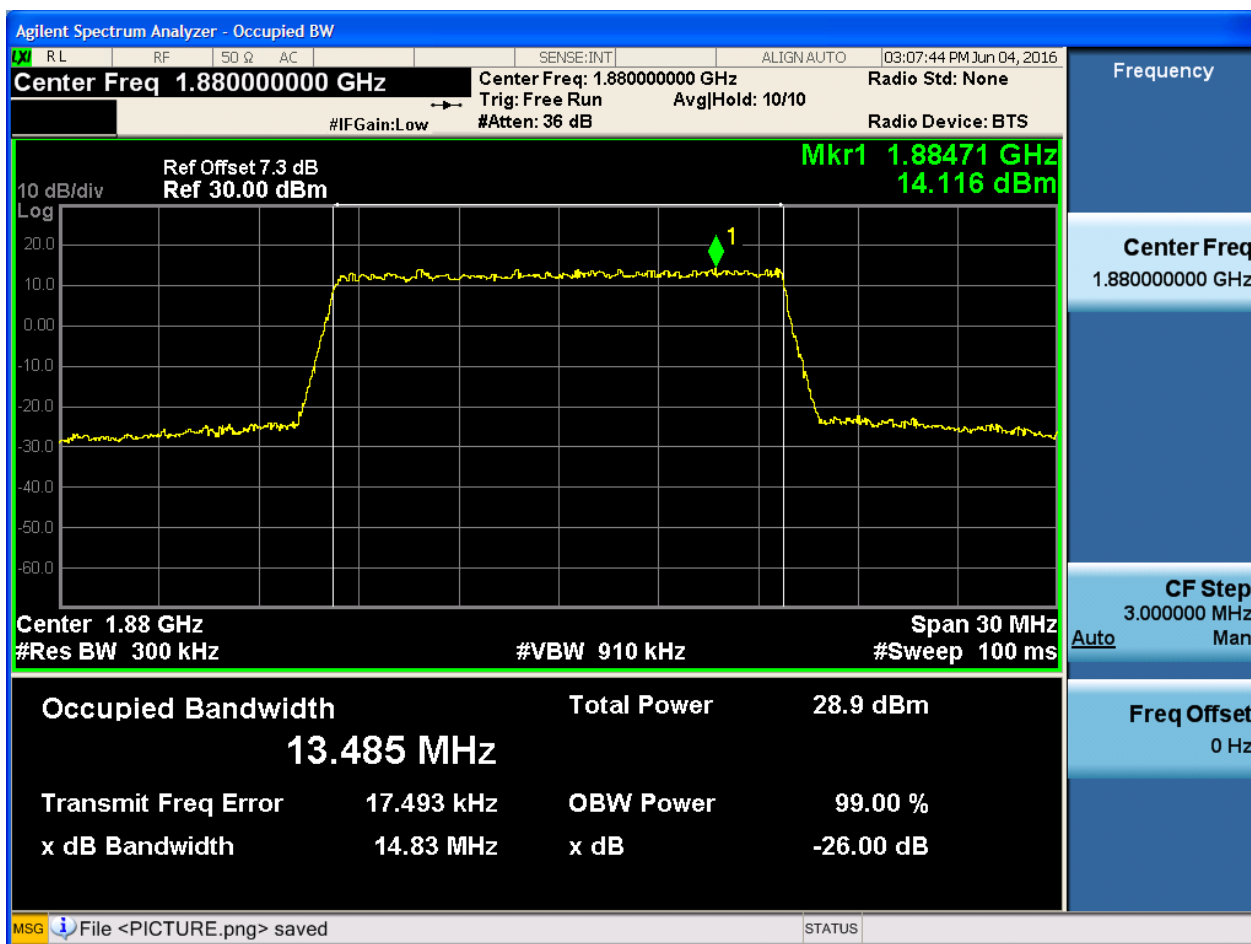
4.1.2.2.5.1.1 Test RB = RB75#0





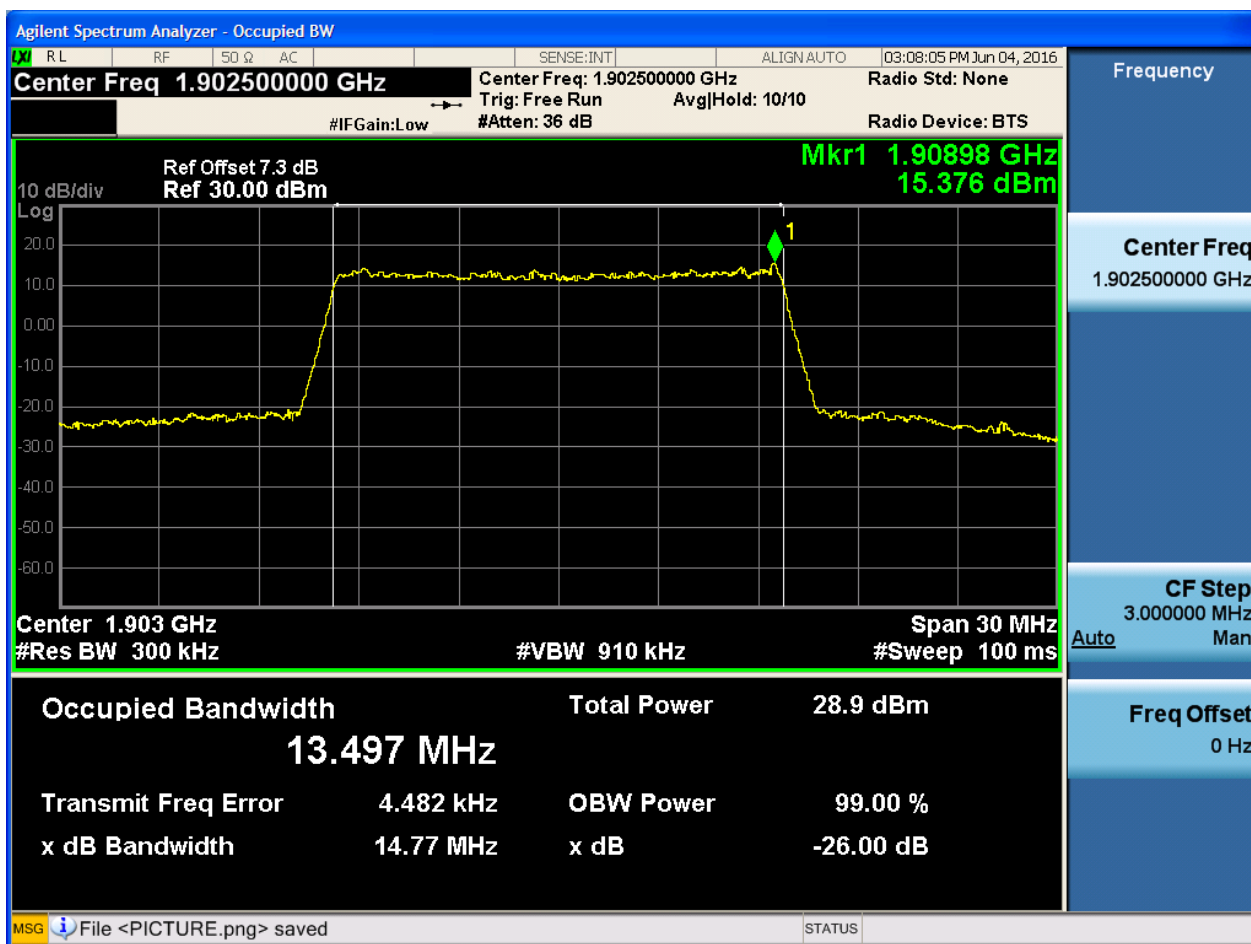
4.1.2.2.5.2 Test Channel = MCH

4.1.2.2.5.2.1 Test RB = RB75#0



4.1.2.2.5.3 Test Channel = HCH

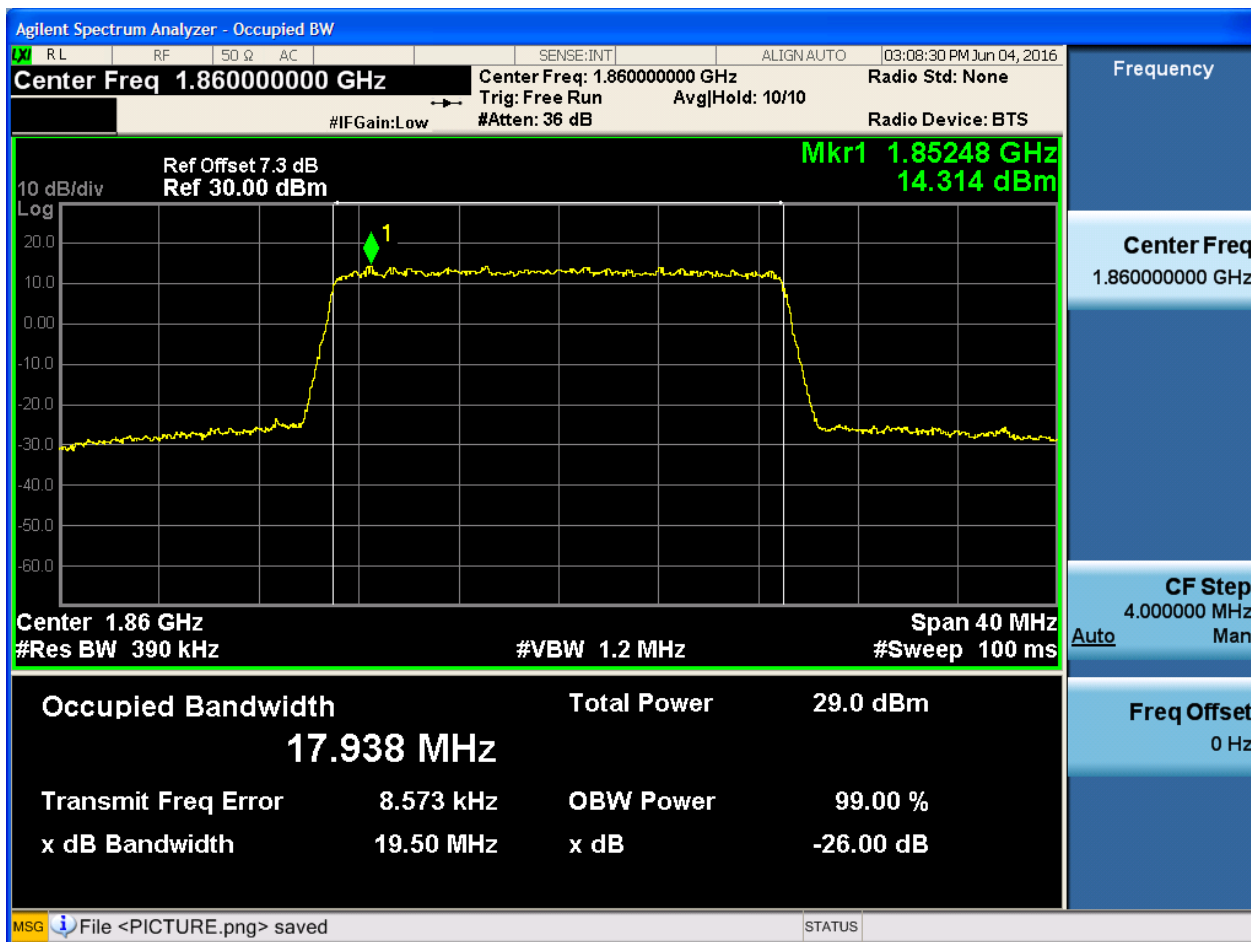
4.1.2.2.5.3.1 Test RB = RB75#0



4.1.2.2.6 Test Bandwidth = 20

4.1.2.2.6.1 Test Channel = LCH

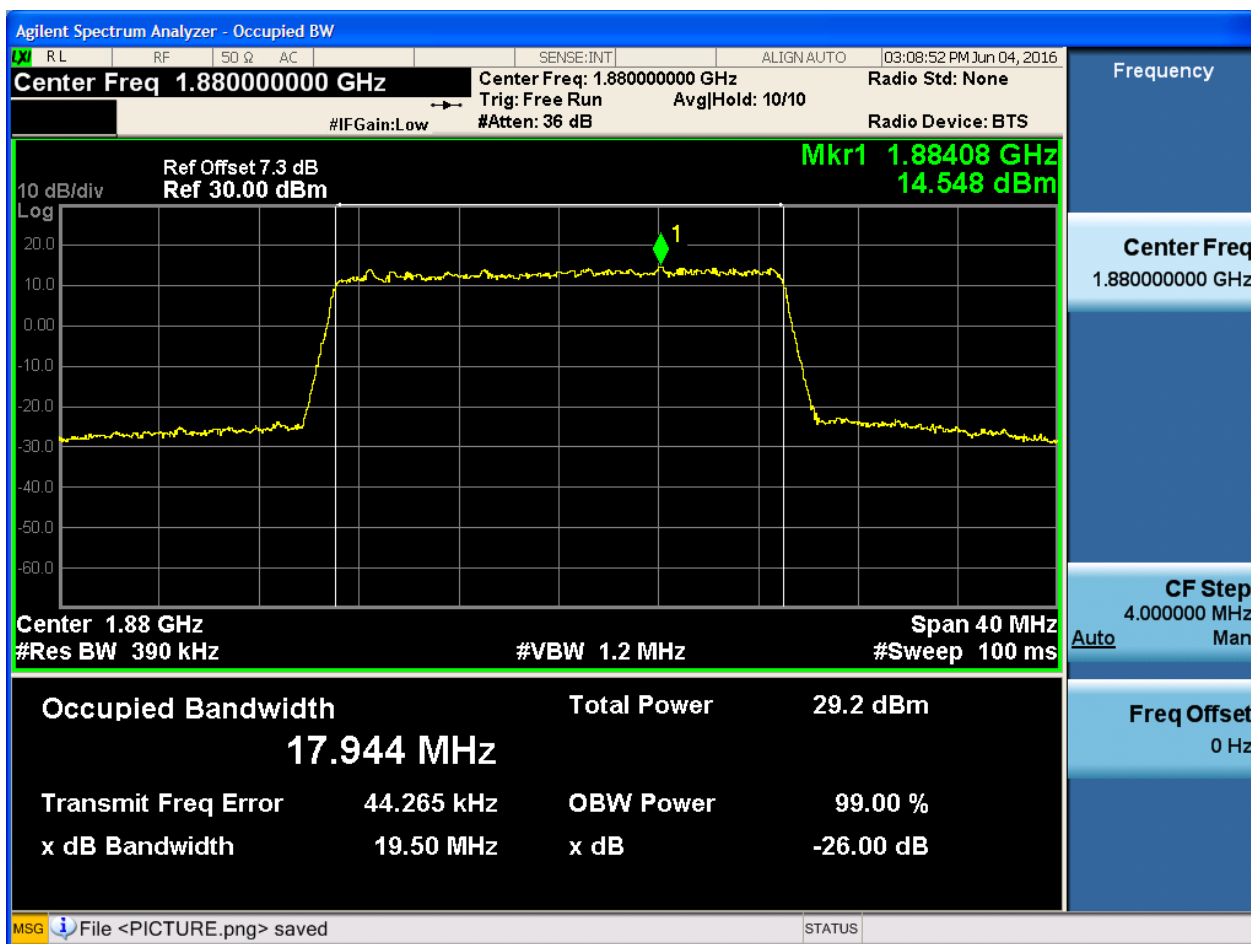
4.1.2.2.6.1.1 Test RB = RB100#0





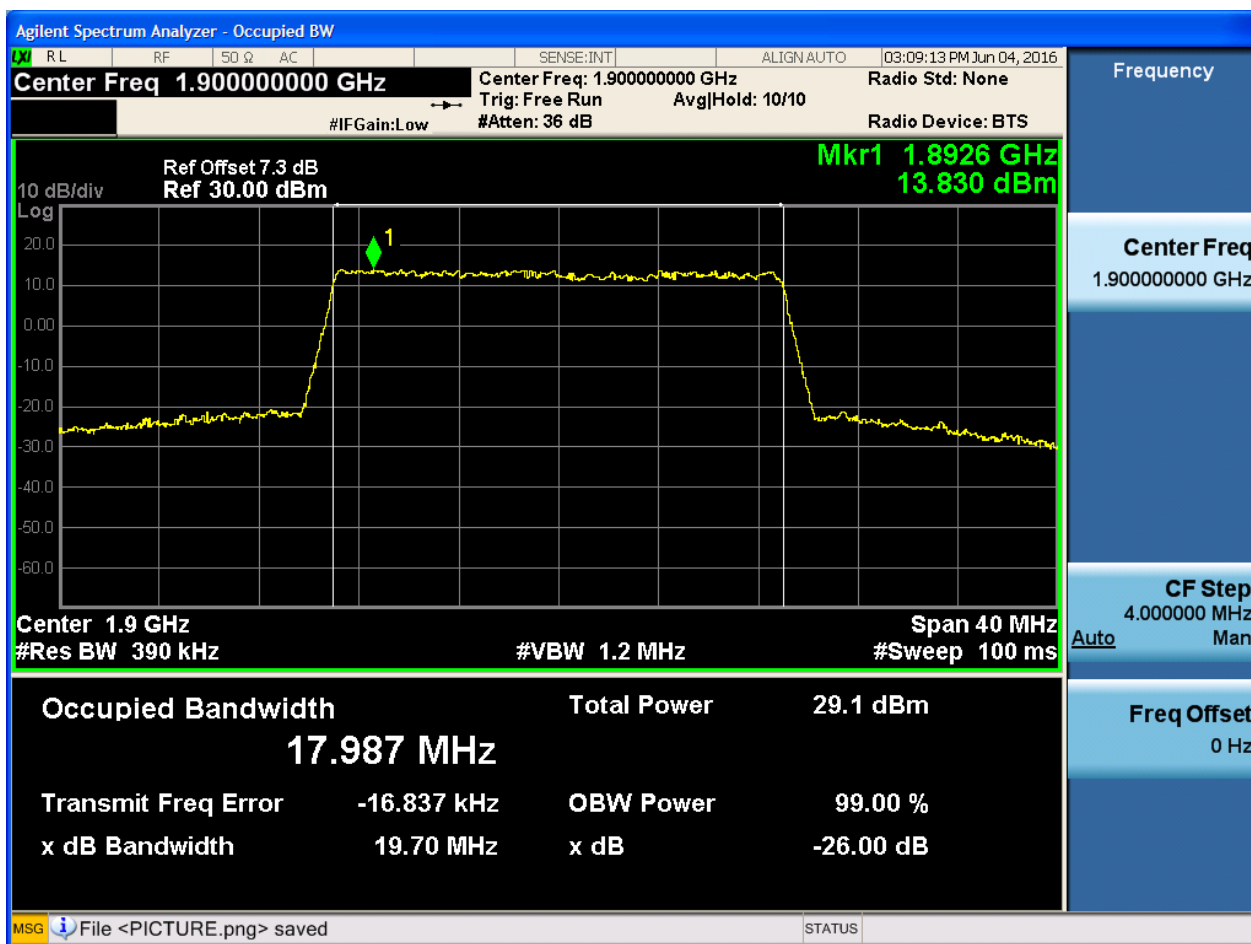
4.1.2.2.6.2 Test Channel = MCH

4.1.2.2.6.2.1 Test RB = RB100#0



4.1.2.2.6.3 Test Channel = HCH

4.1.2.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

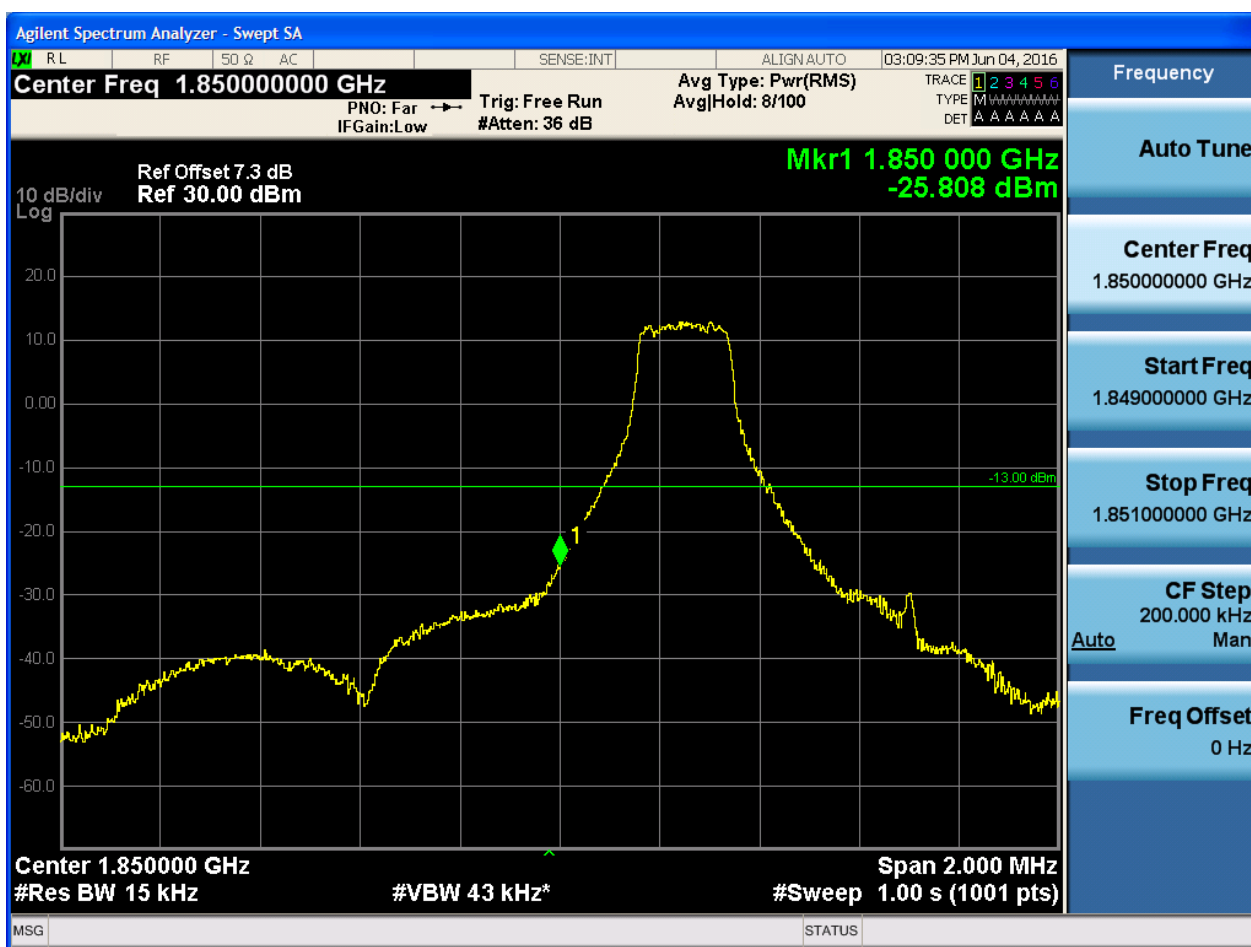
5.1.1 Test Band = BAND2

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



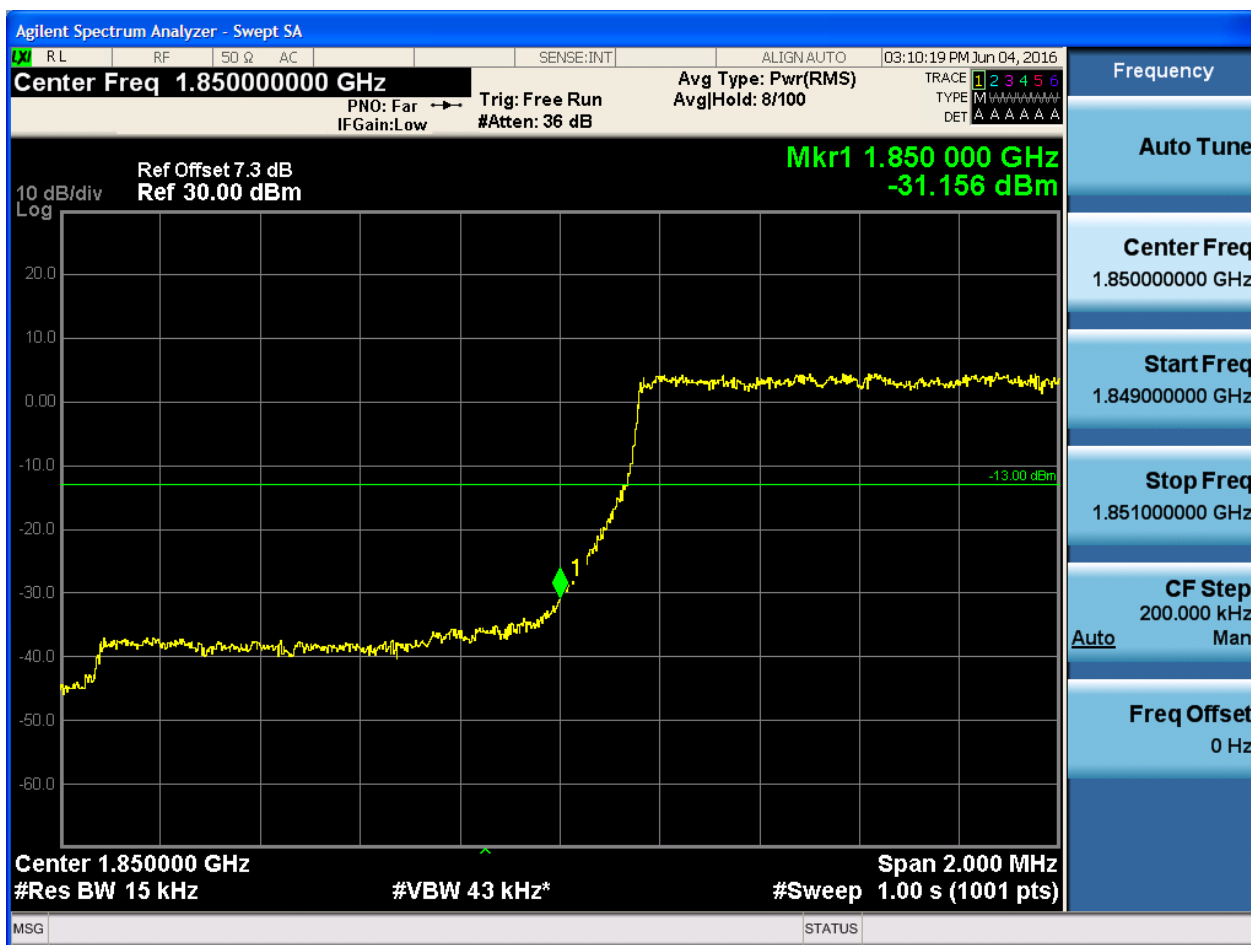


5.1.1.1.1.3 Test RB = RB3#2





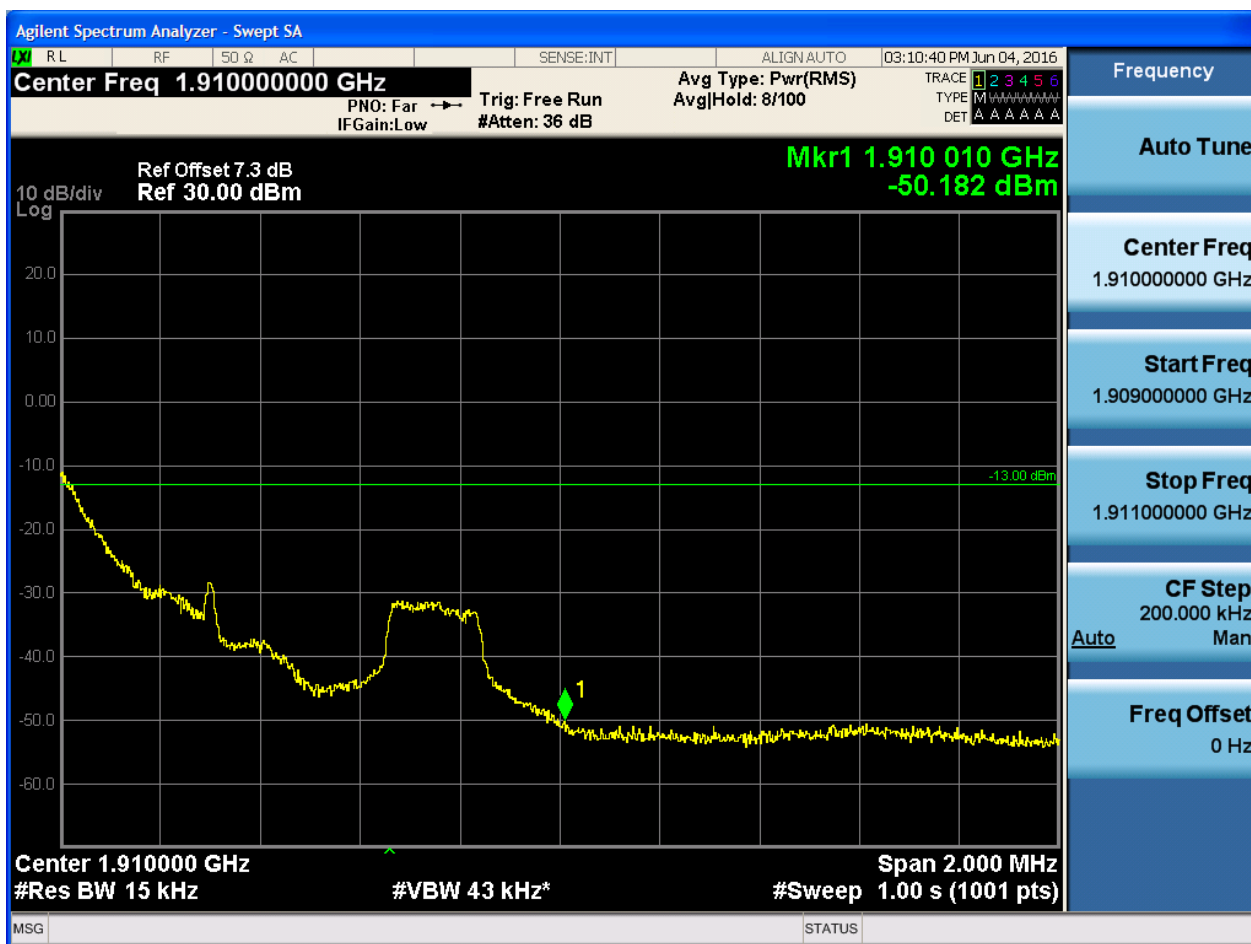
5.1.1.1.1.4 Test RB = RB6#0





5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-27.060 dBm

10 dB/div
Log

Center 1.91000 GHz
#Res BW 15 kHz
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.1.1.1.2.3 Test RB = RB3#2



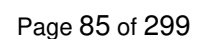


5.1.1.1.2.4 Test RB = RB6#0



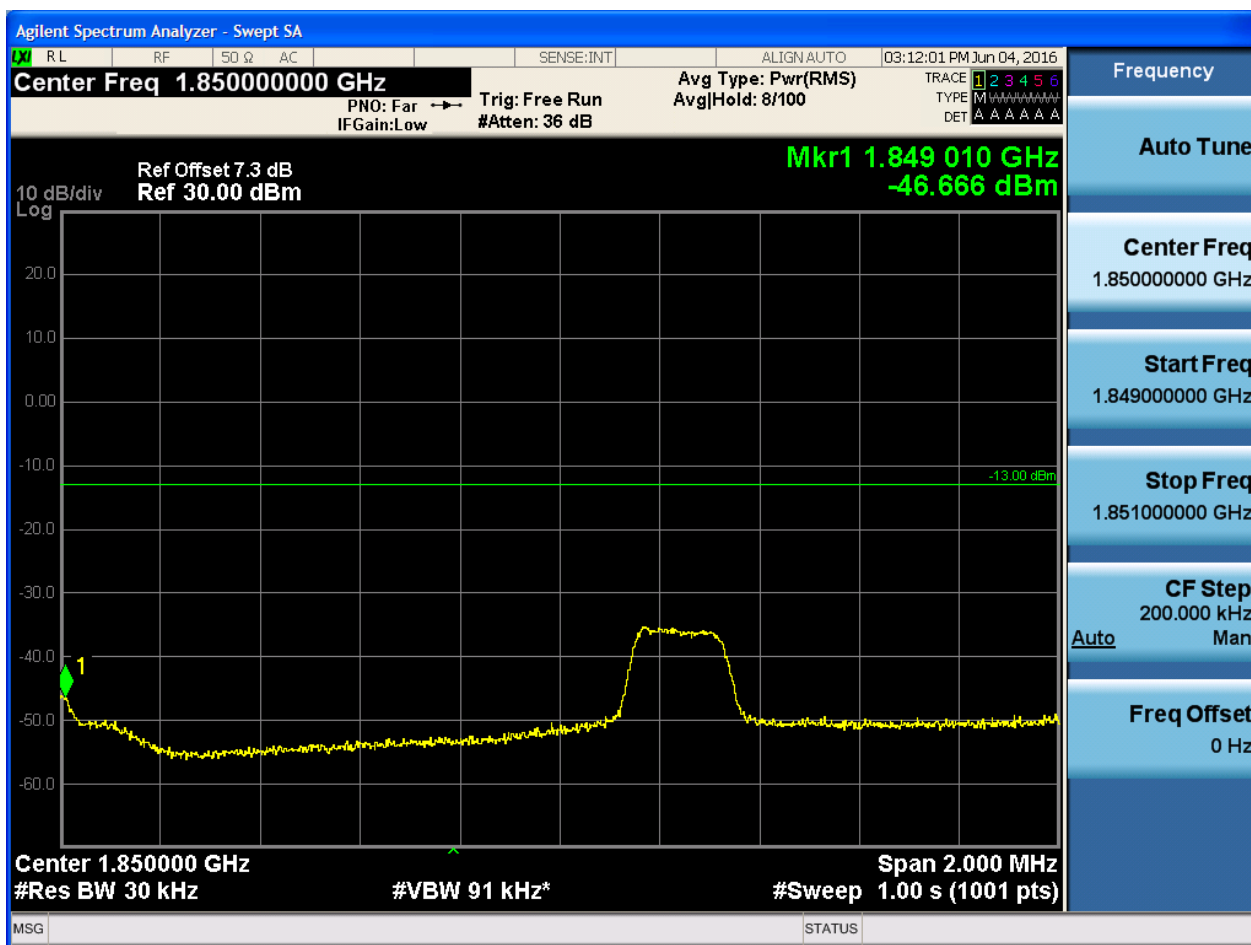


5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14



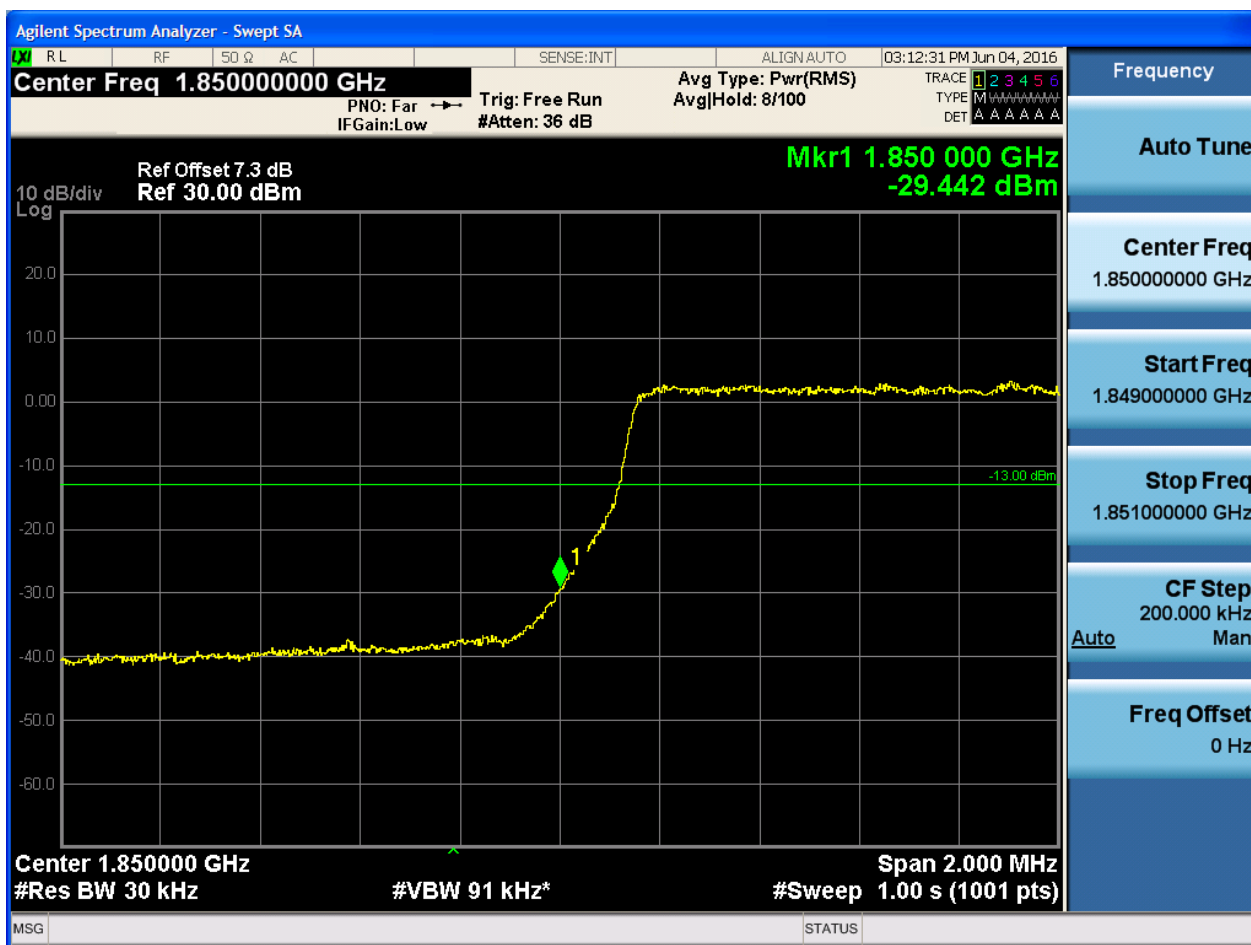


5.1.1.1.2.1.3 Test RB = RB8#4



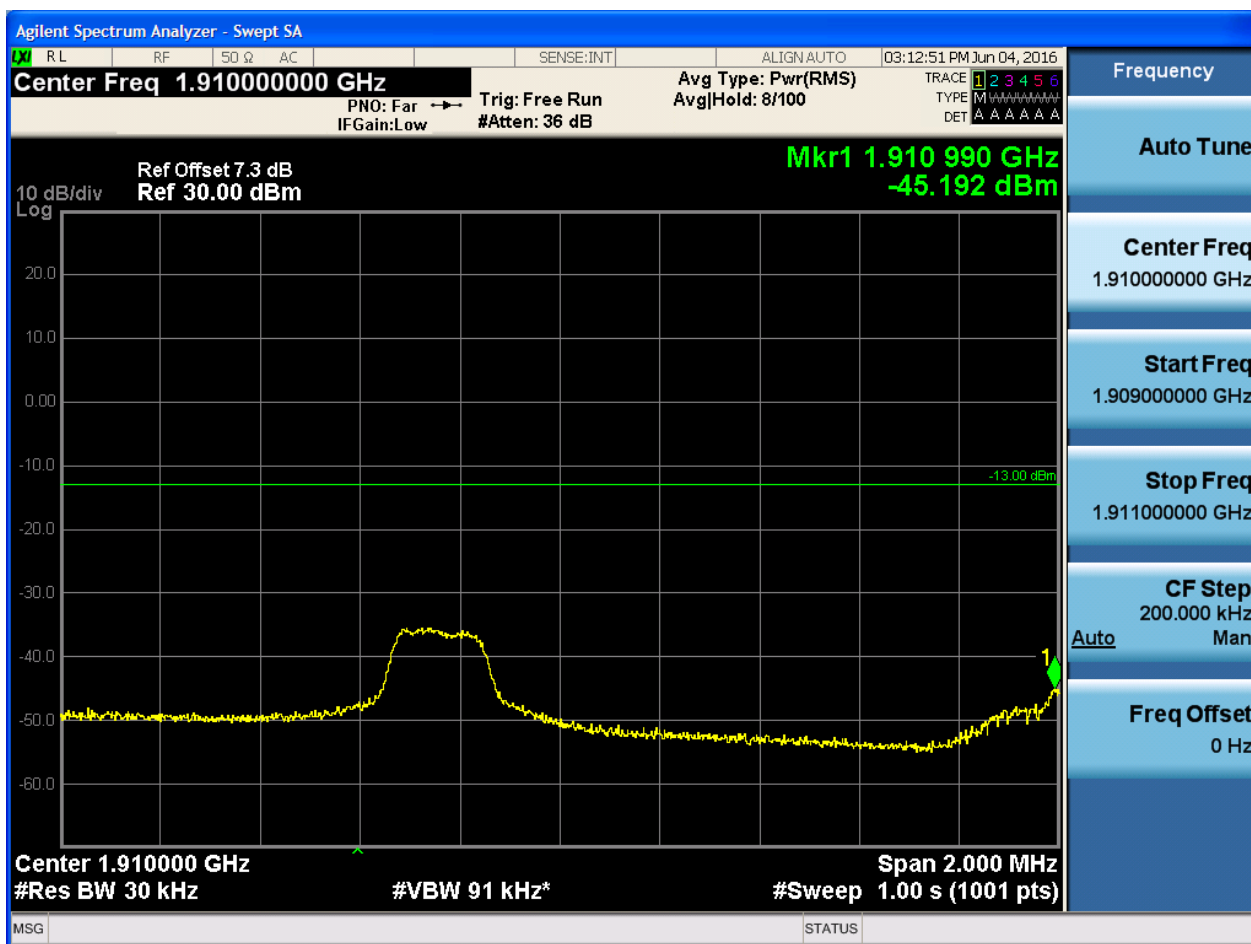


5.1.1.1.2.1.4 Test RB = RB15#0



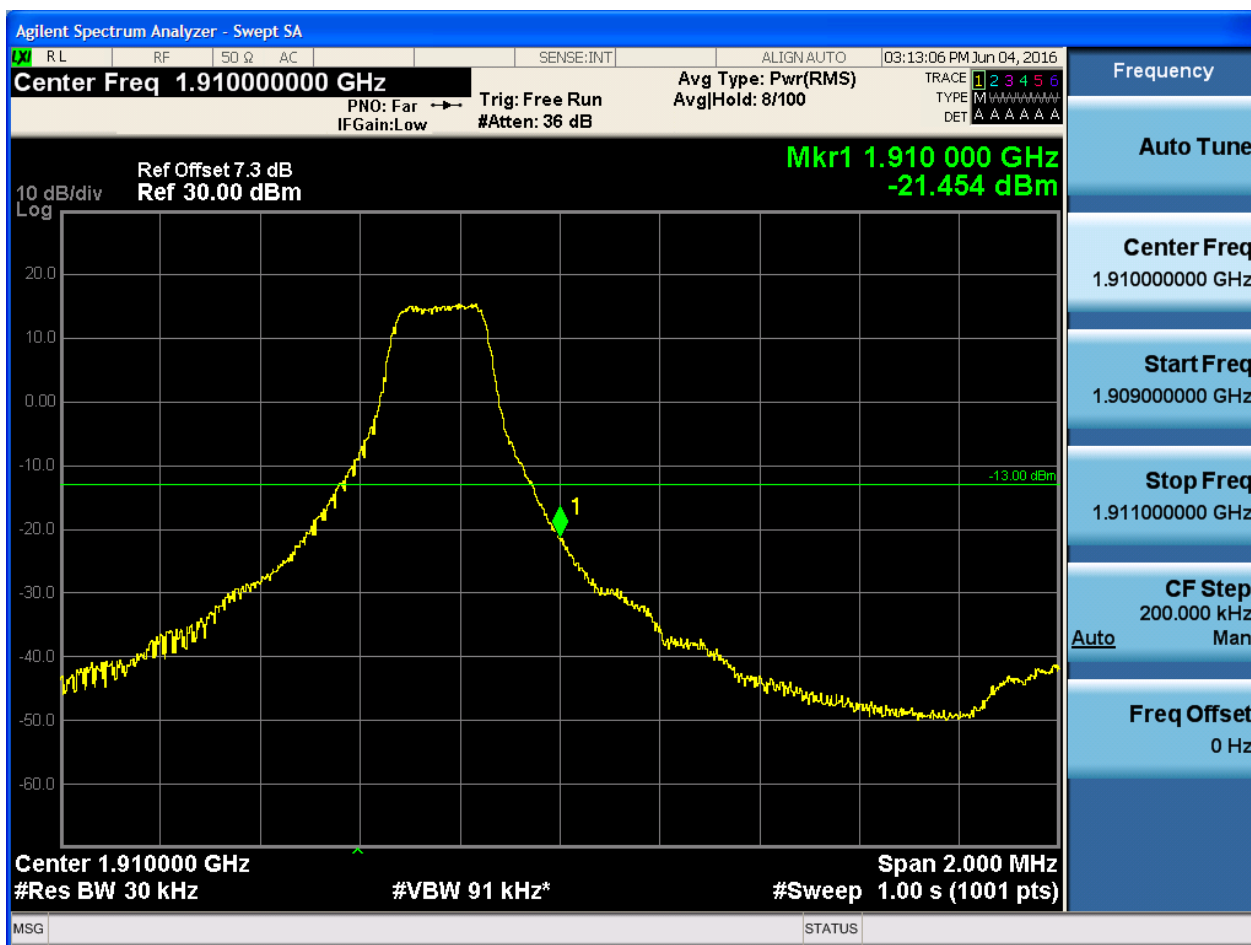
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 03:13:21 PM Jun 04, 2016

Center Freq 1.91000000 GHz Avg Type: Pwr(RMS) TRACE 1 2 3 4 5 6
PNO: Far Trig: Free Run Avg|Hold: 8/100 TYPE [M]
IFGain: Low #Atten: 36 dB DET A A A A A A

Ref Offset 7.3 dB Mkr1 1.910 010 GHz
Ref 30.00 dBm -34.486 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz Span 2.000 MHz
#Res BW 30 kHz #VBW 91 kHz* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.90900000 GHz

Stop Freq
1.91100000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 7.3 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-28.606 dBm

Center 1.91000 GHz
#Res BW 30 kHz
#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq 1.91000000 GHz

Start Freq 1.90900000 GHz

Stop Freq 1.91100000 GHz

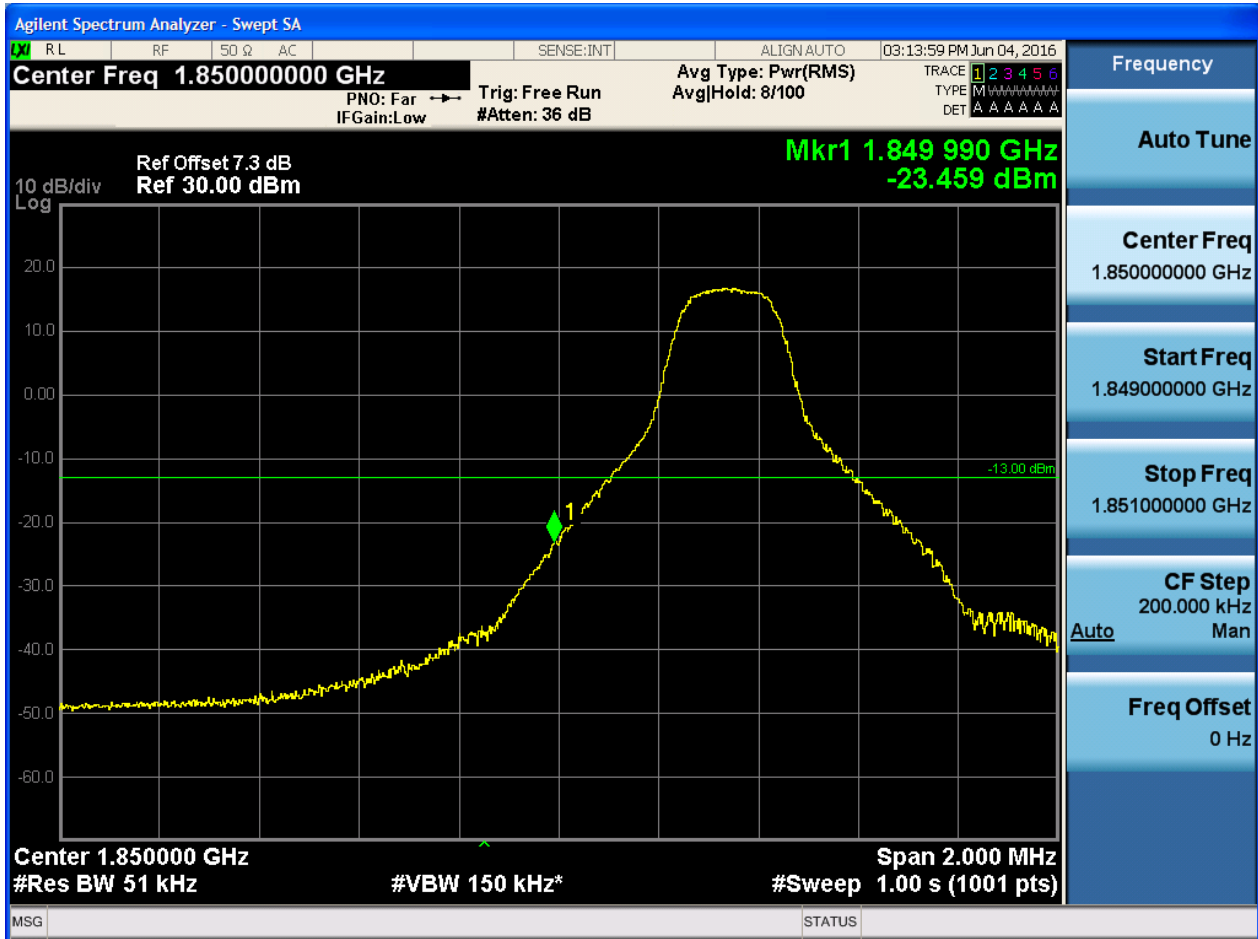
CF Step 200.000 kHz
Auto Man

Freq Offset 0 Hz

5.1.1.1.3 Test Bandwidth = 5

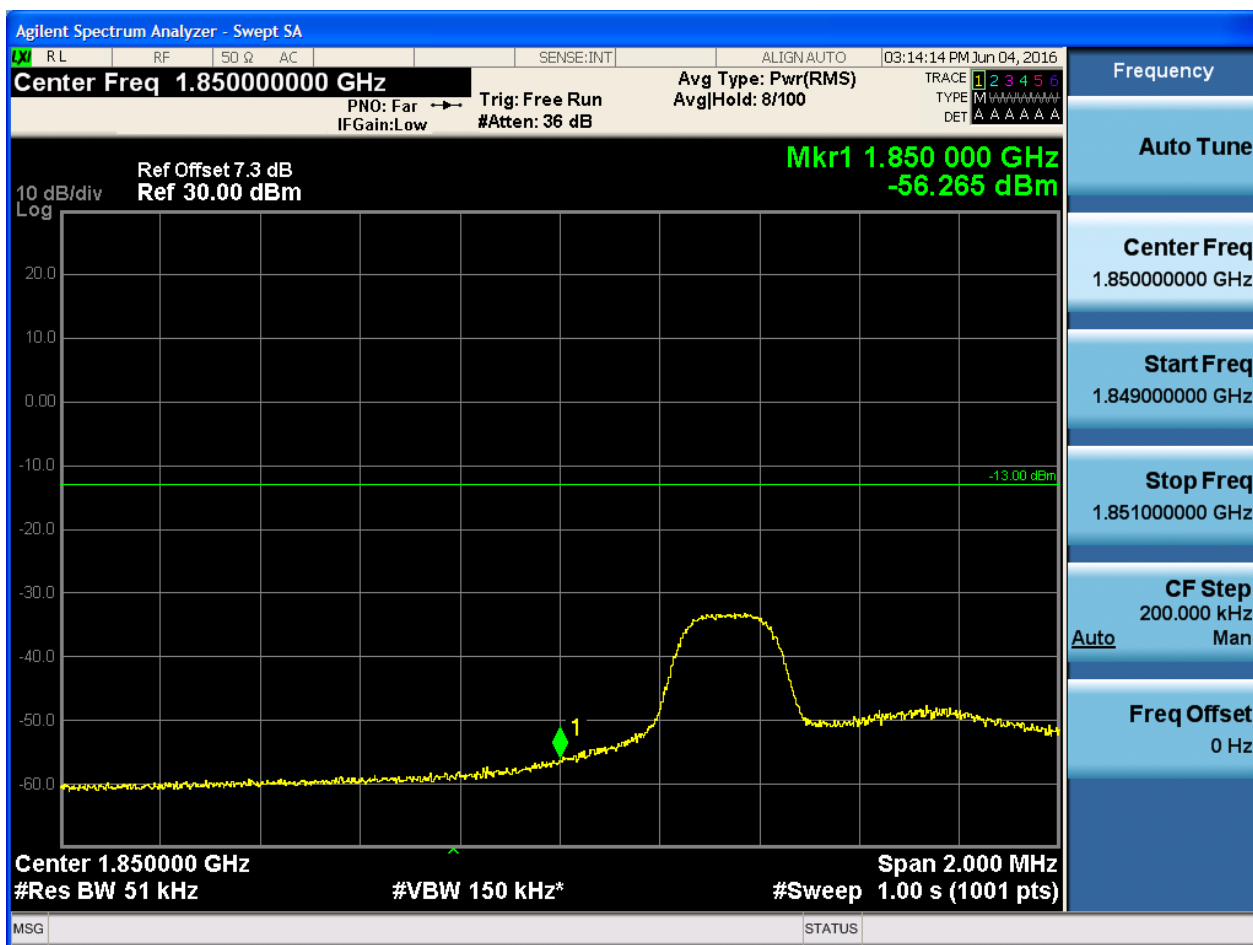
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24





5.1.1.1.3.1.3 Test RB = RB12#6



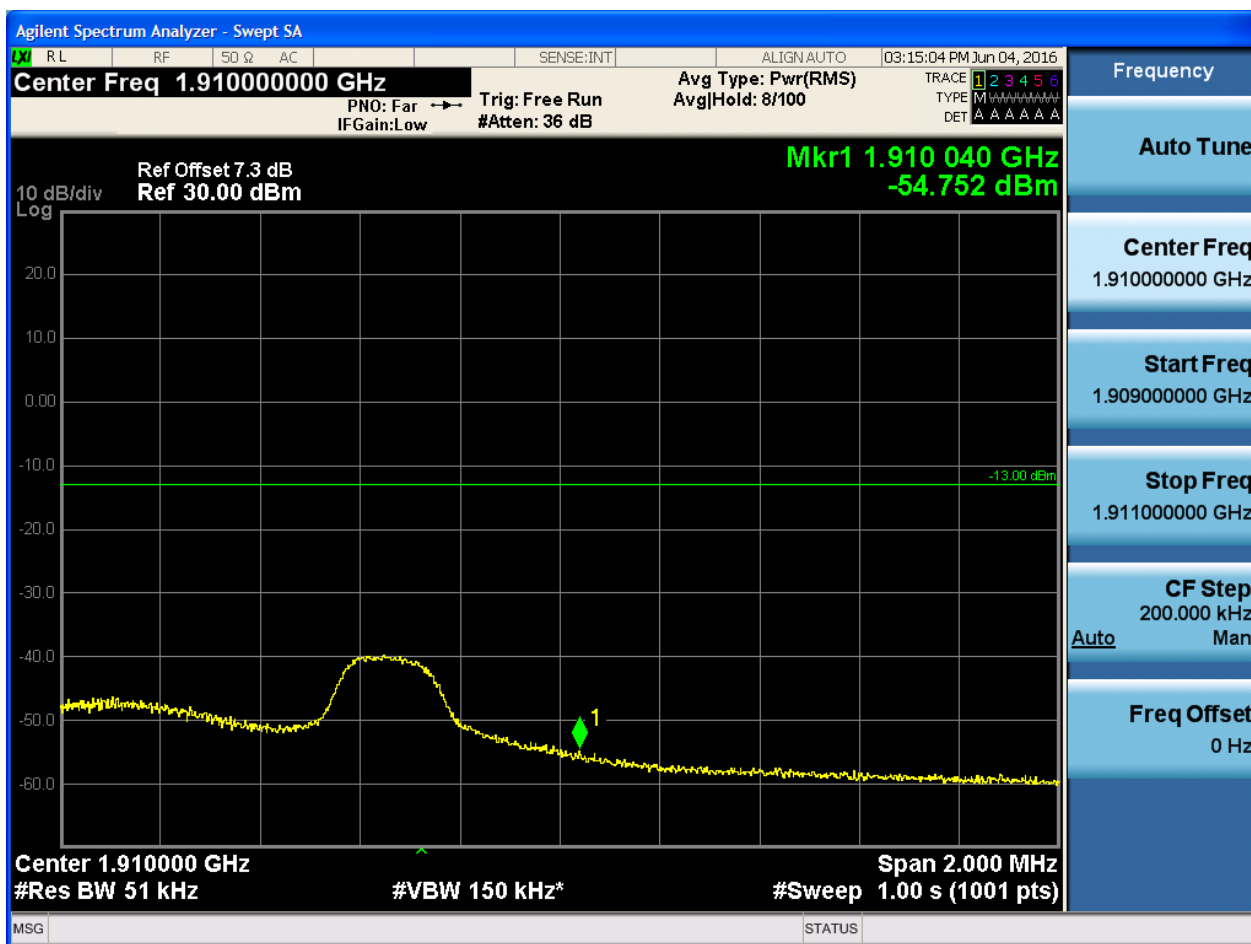


5.1.1.1.3.1.4 Test RB = RB25#0



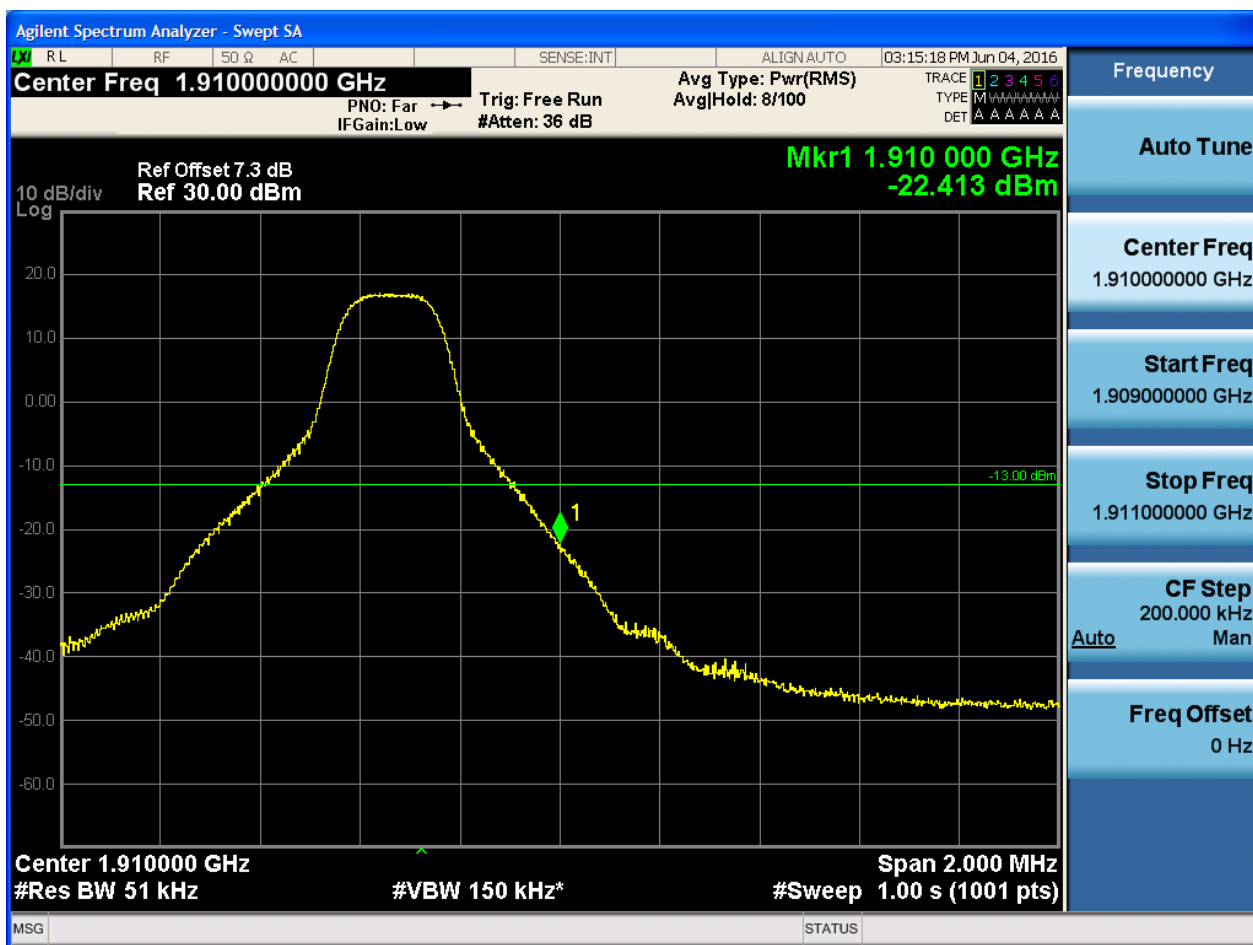
5.1.1.1.3.2 Test Channel = HCH

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





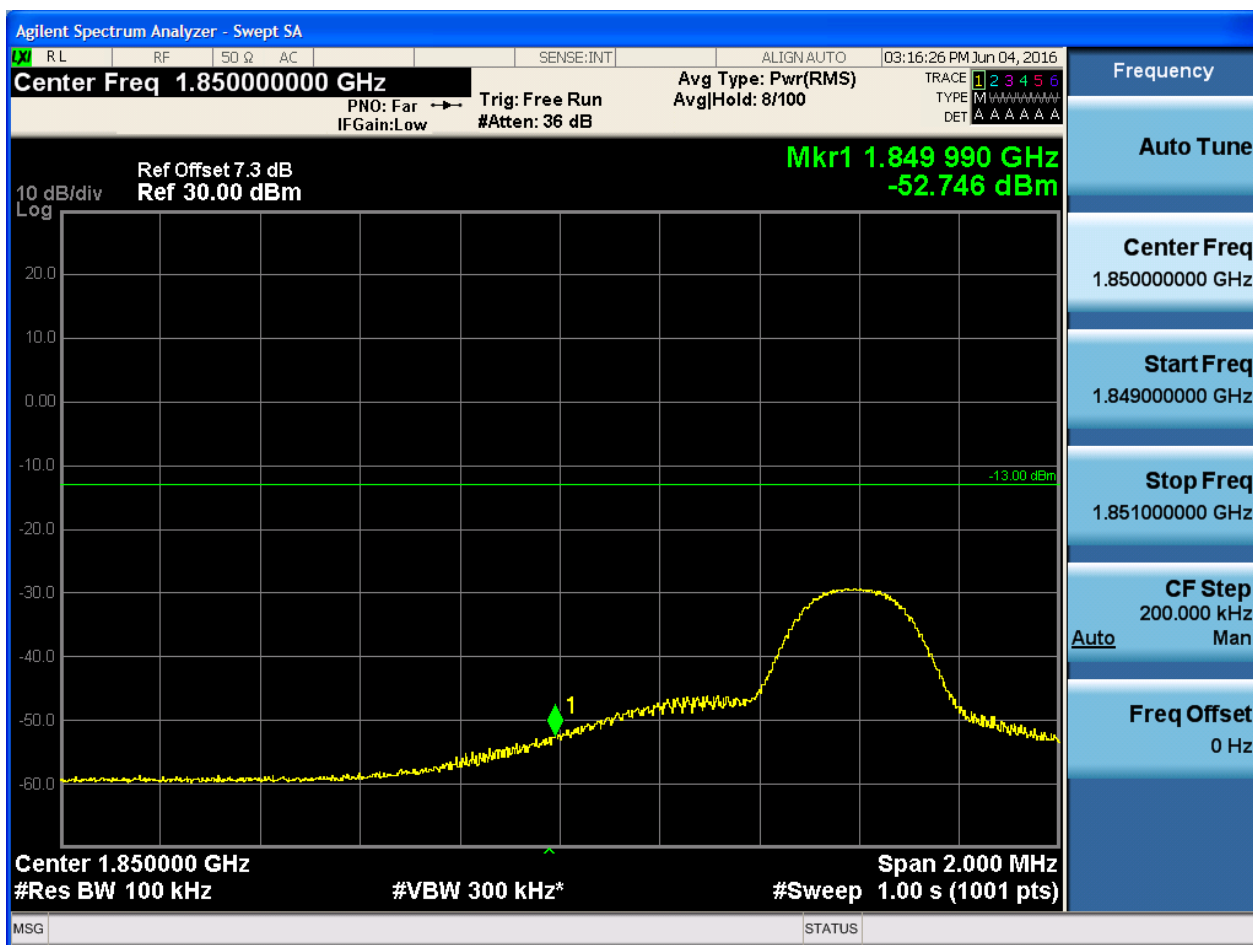
5.1.1.1.3.2.4 Test RB = RB25#0







5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13



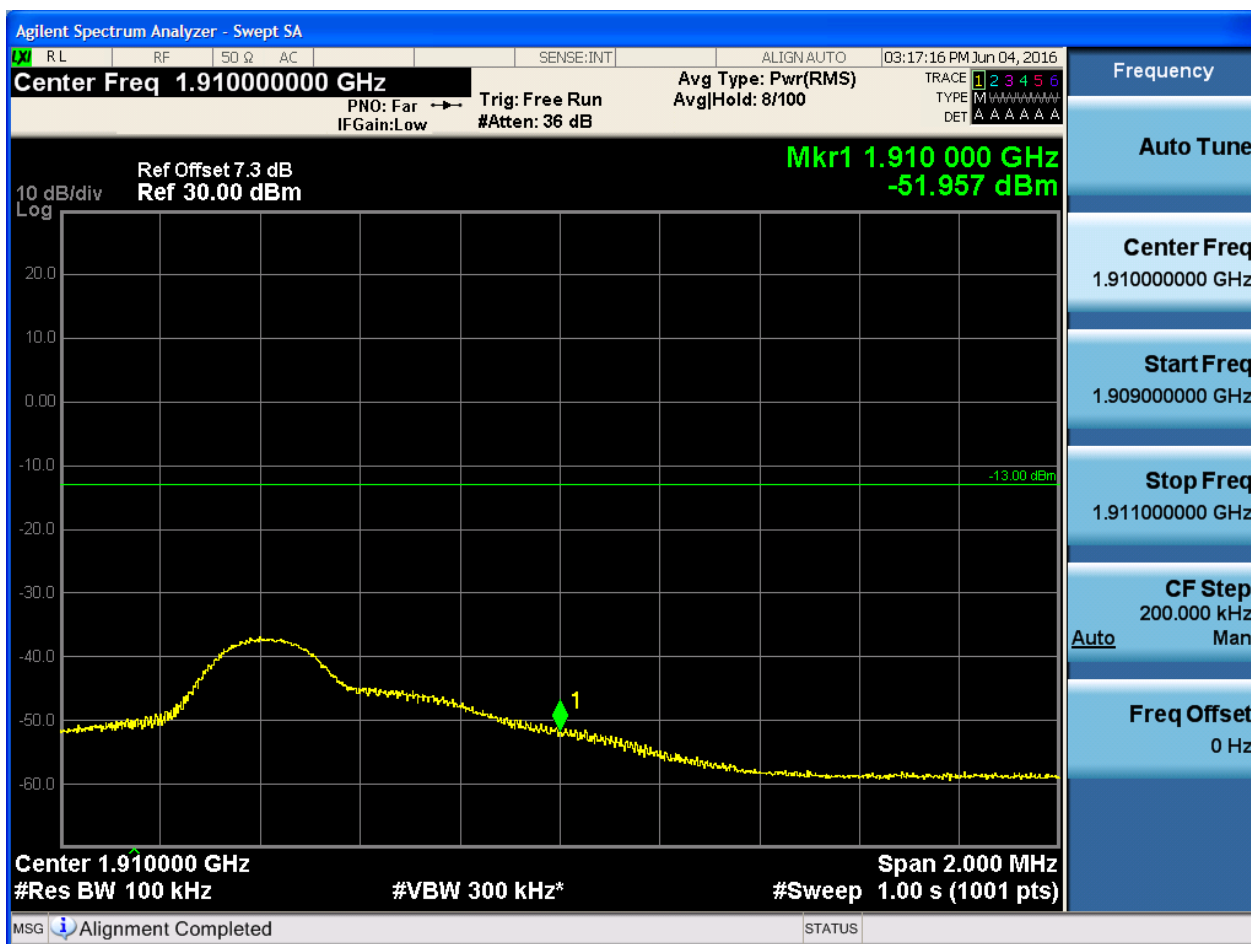


5.1.1.1.4.1.4 Test RB = RB50#0



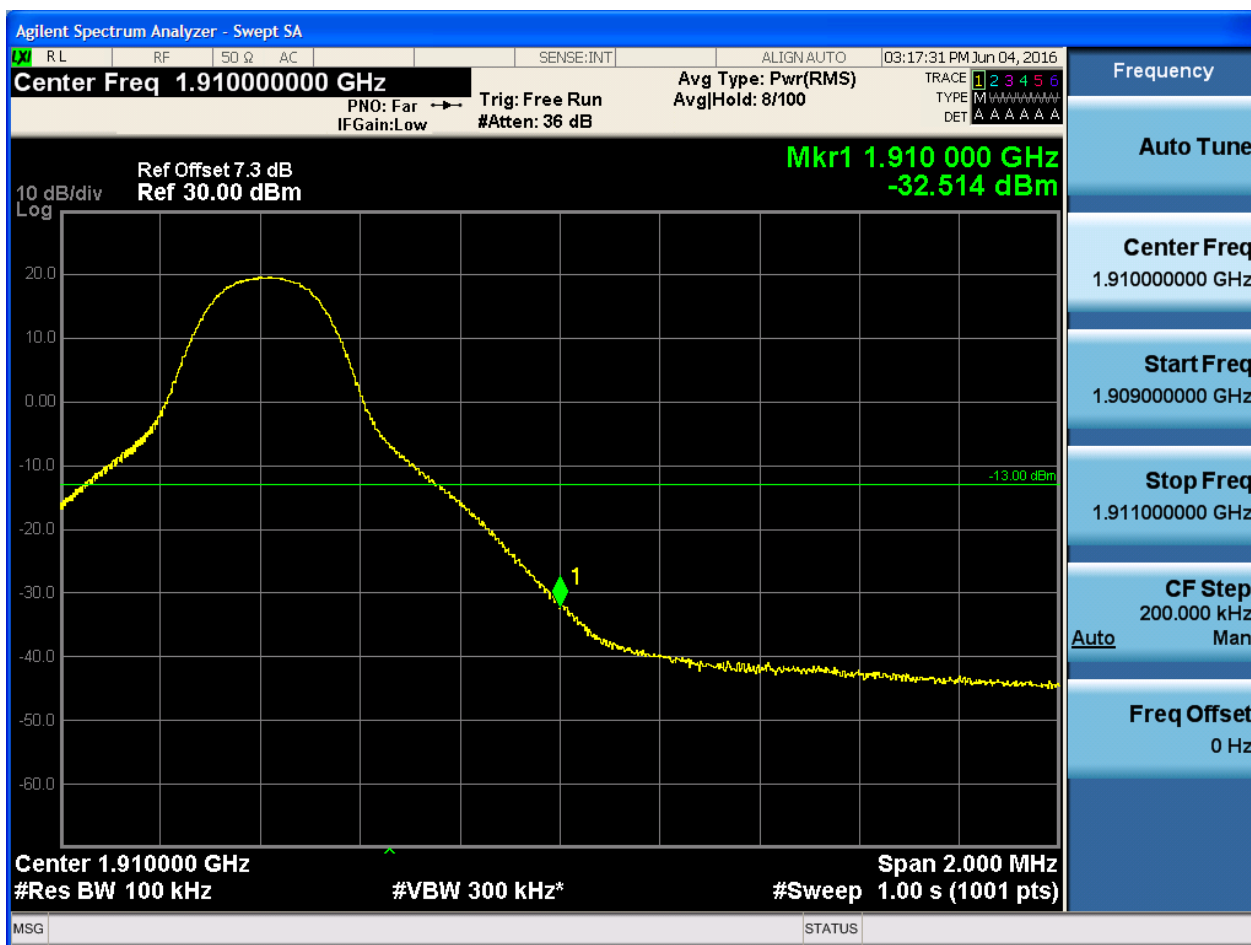
5.1.1.1.4.2 Test Channel = HCH

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





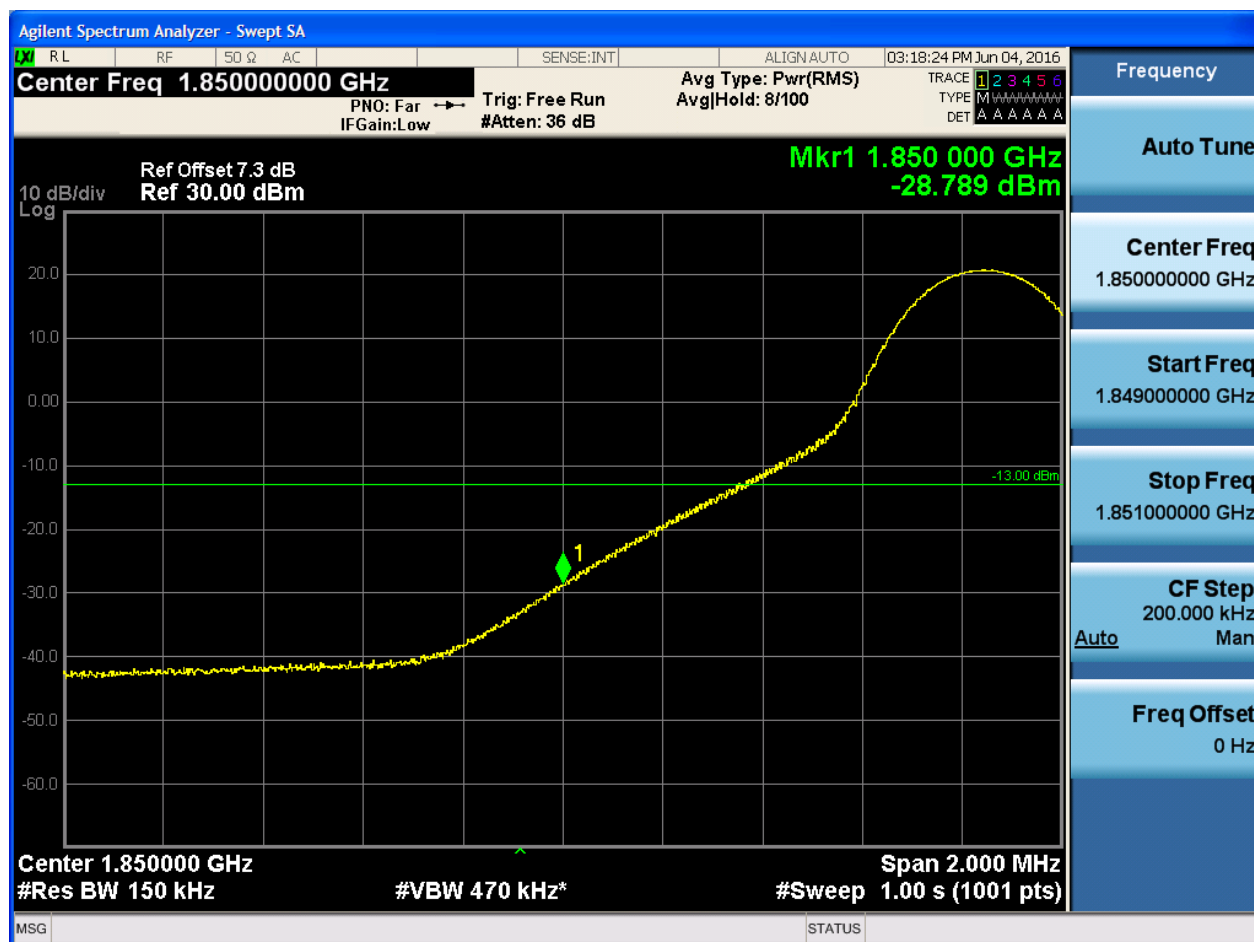
5.1.1.1.4.2.4 Test RB = RB50#0



5.1.1.1.5 Test Bandwidth = 15

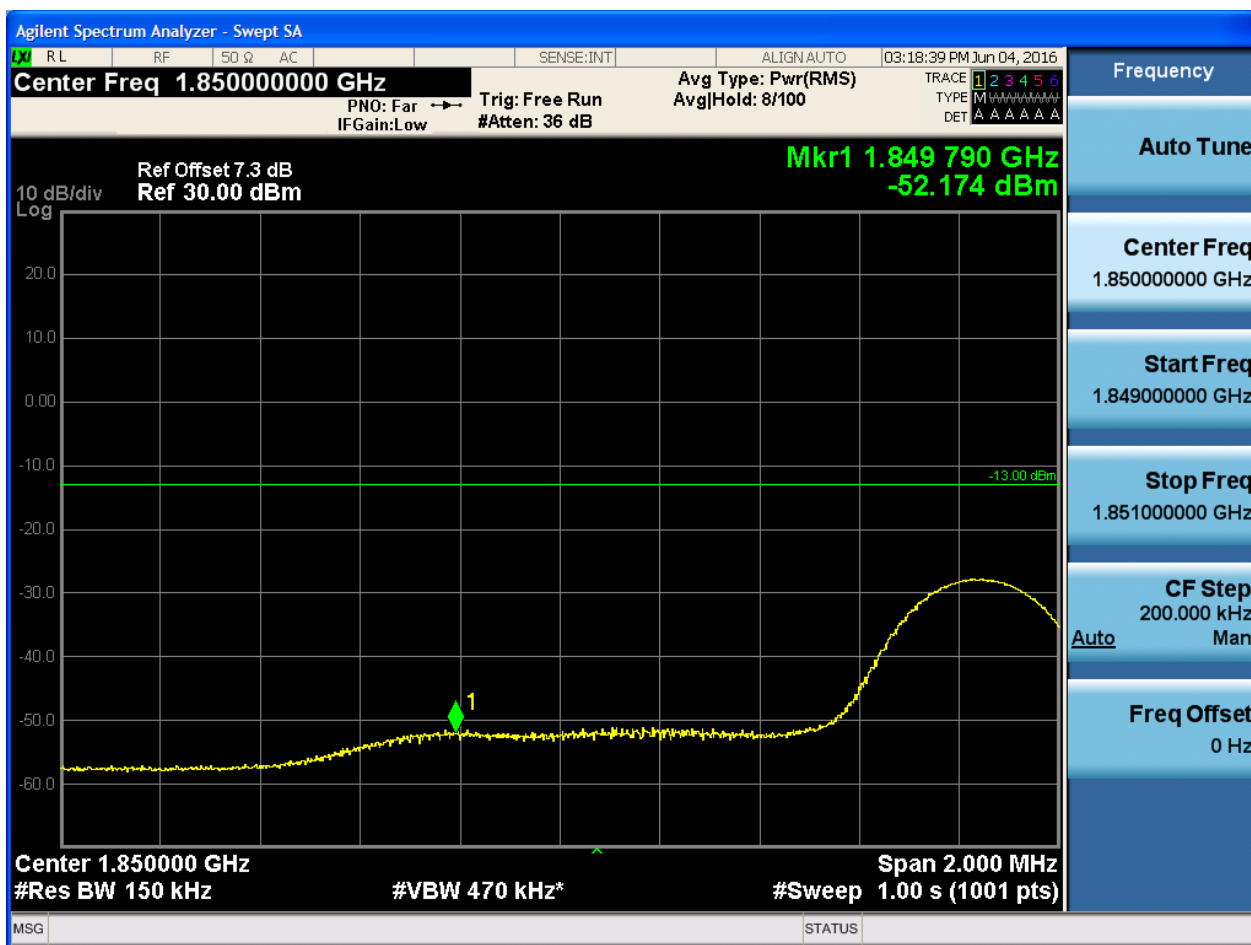
5.1.1.1.5.1 Test Channel = LCH

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



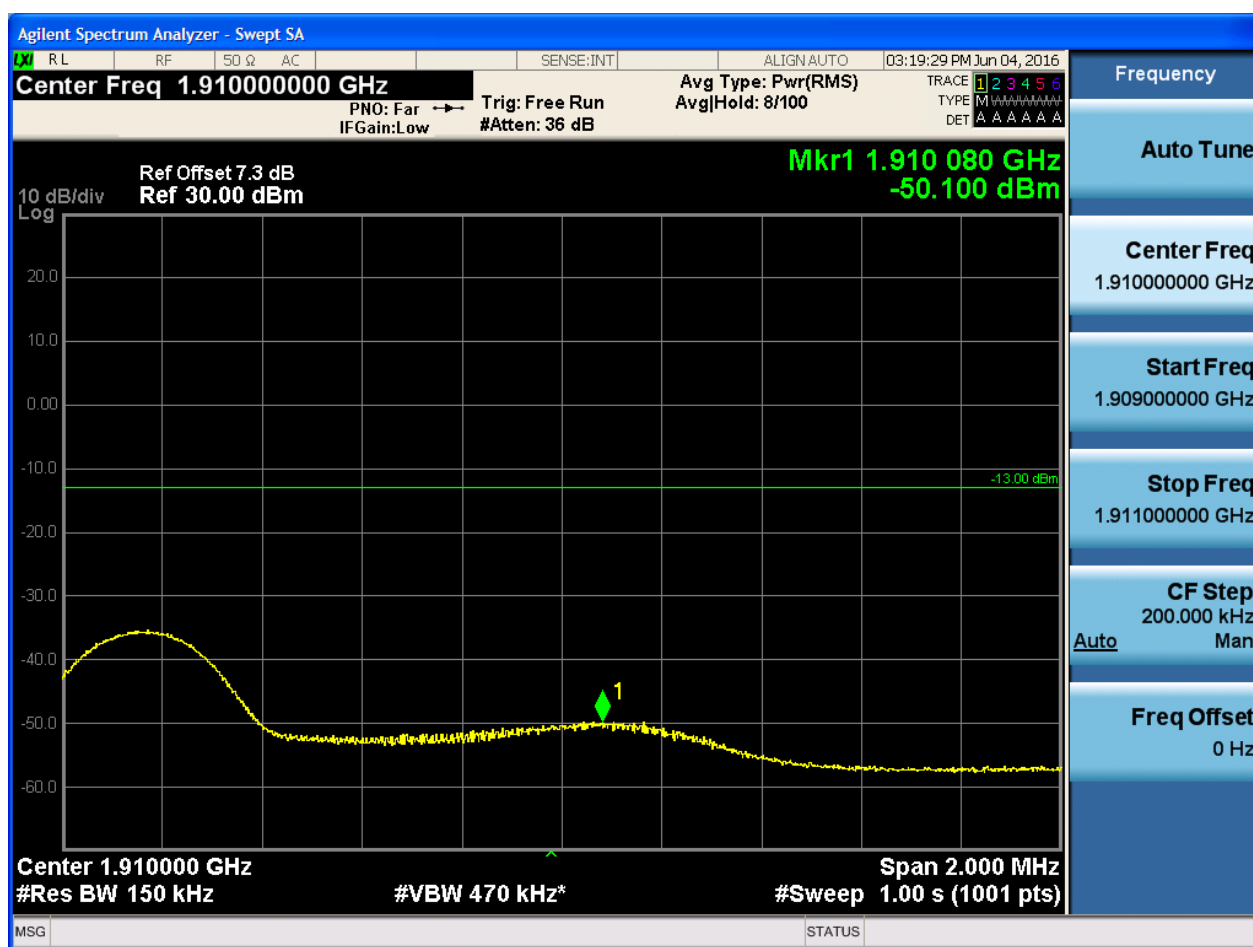


5.1.1.1.5.1.4 Test RB = RB75#0



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





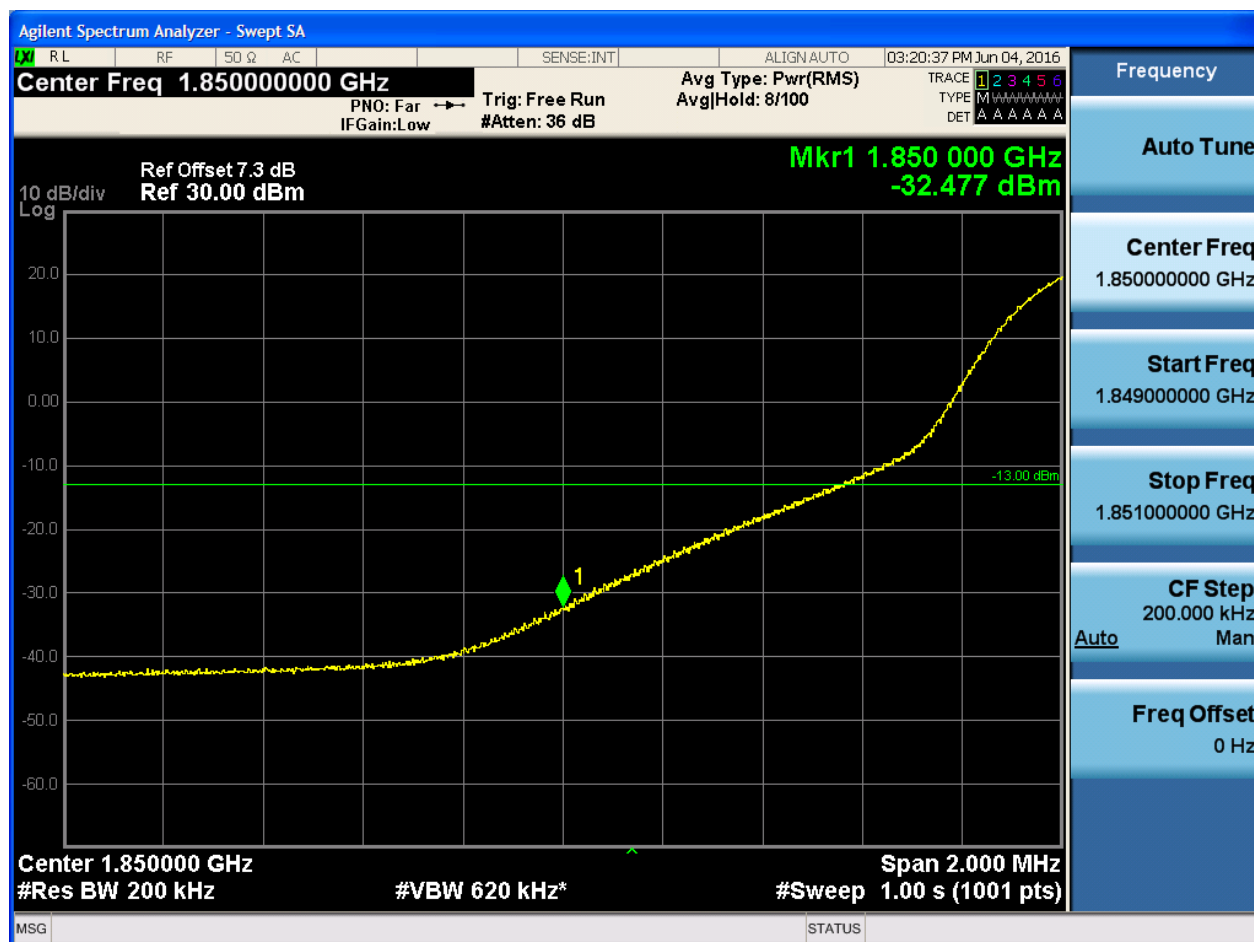
5.1.1.1.5.2.4 Test RB = RB75#0



5.1.1.1.6 Test Bandwidth = 20

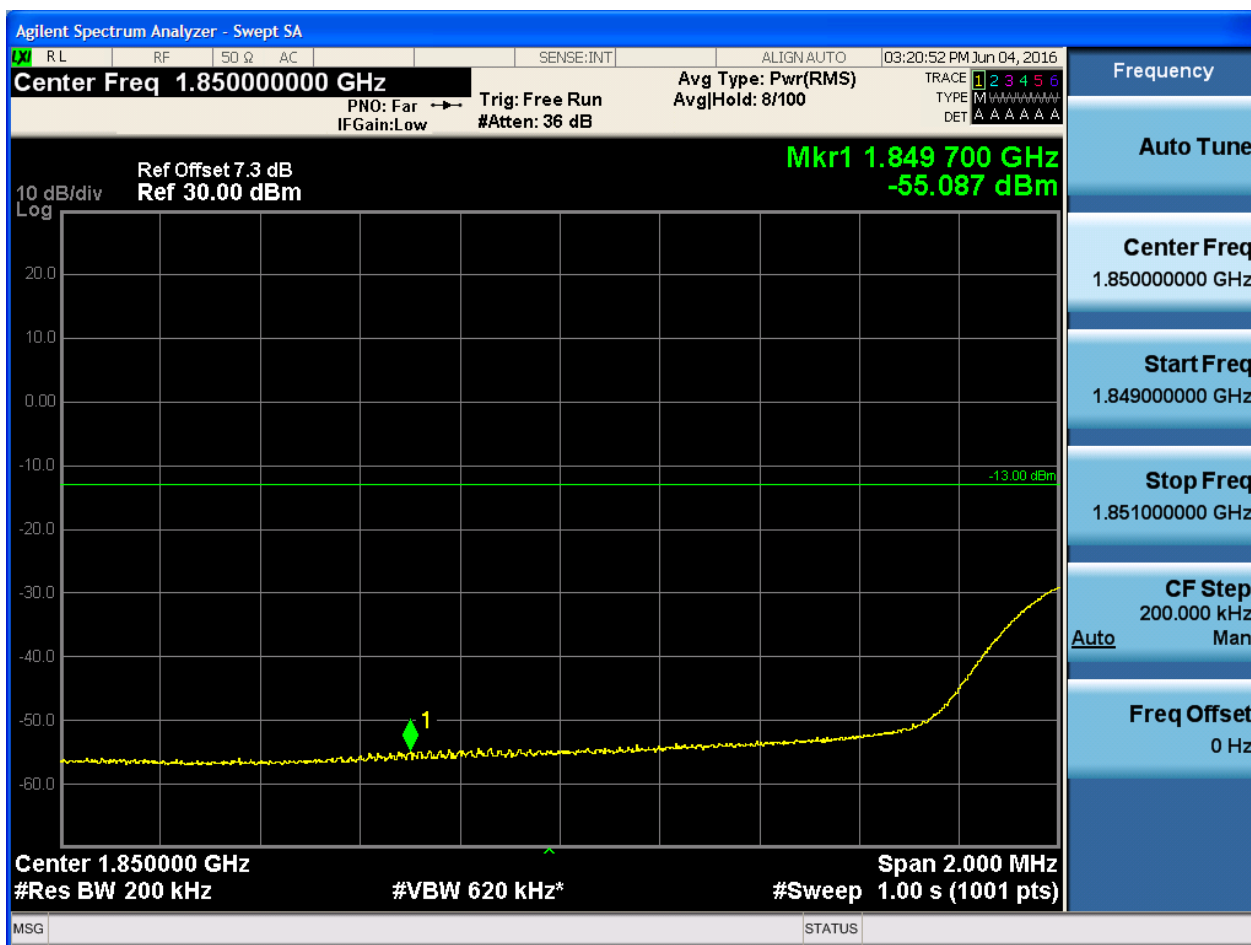
5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0





5.1.1.1.6.1.2 Test RB = RB1#99



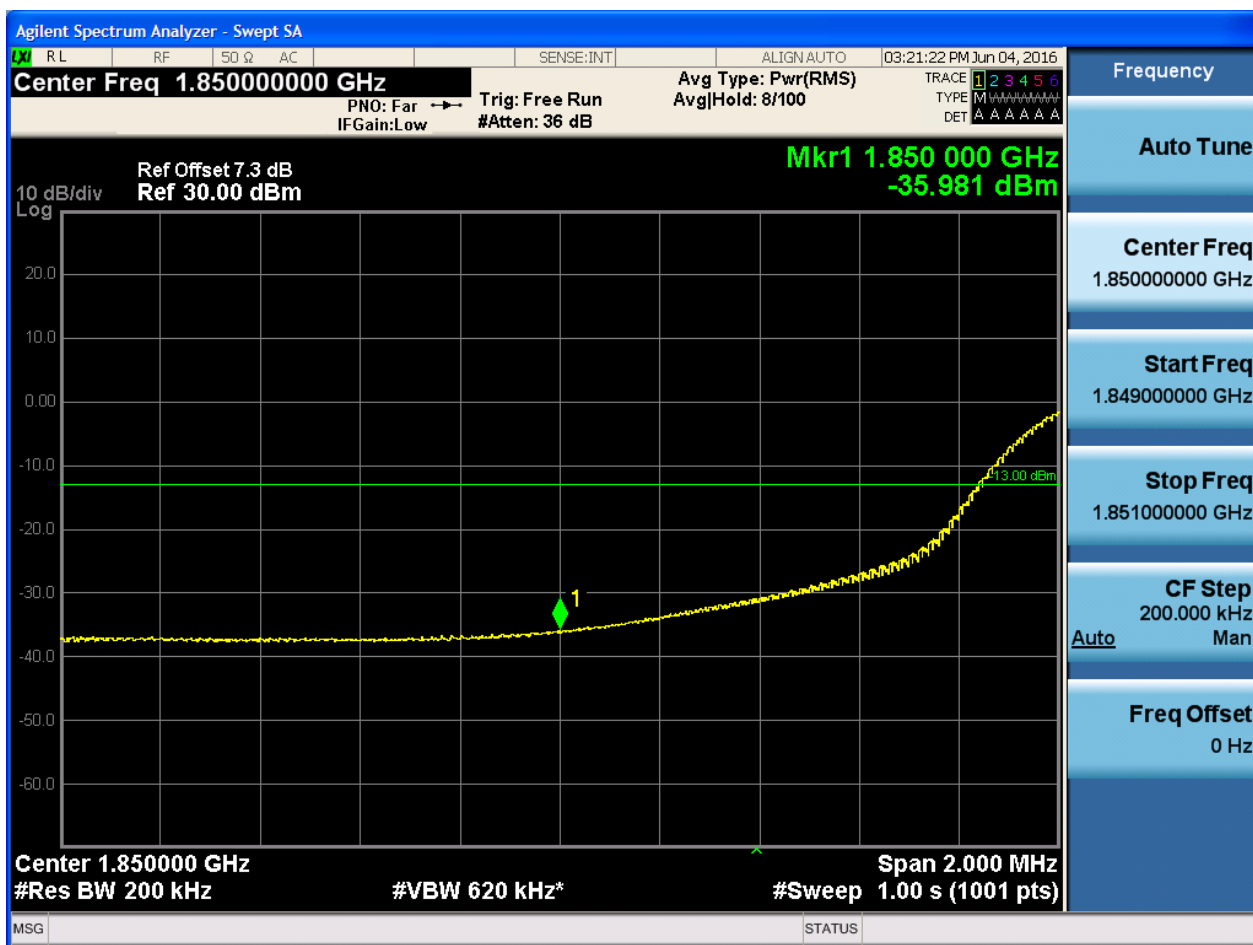


5.1.1.1.6.1.3 Test RB = RB50#25





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



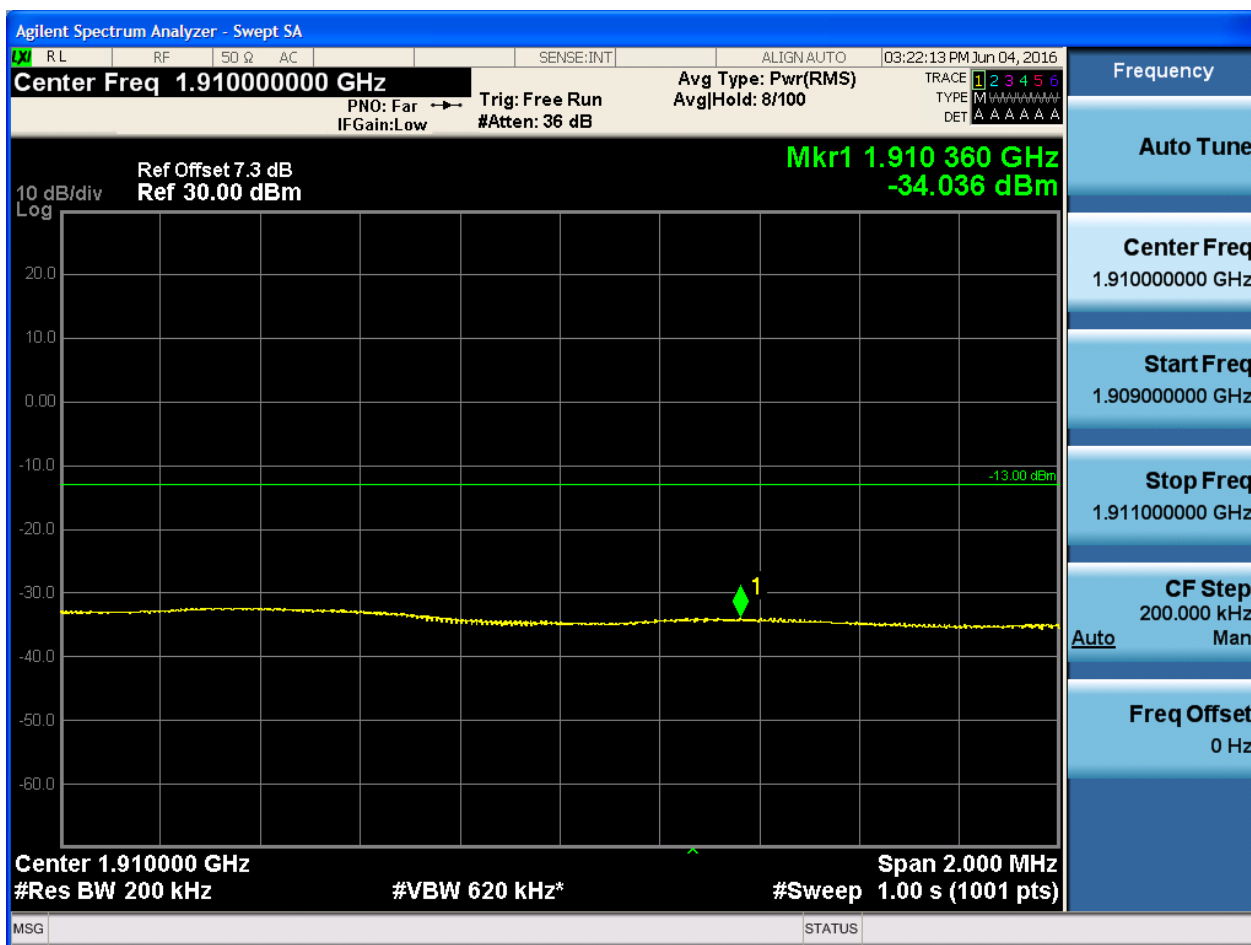


5.1.1.1.6.2.2 Test RB = RB1#99





5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0



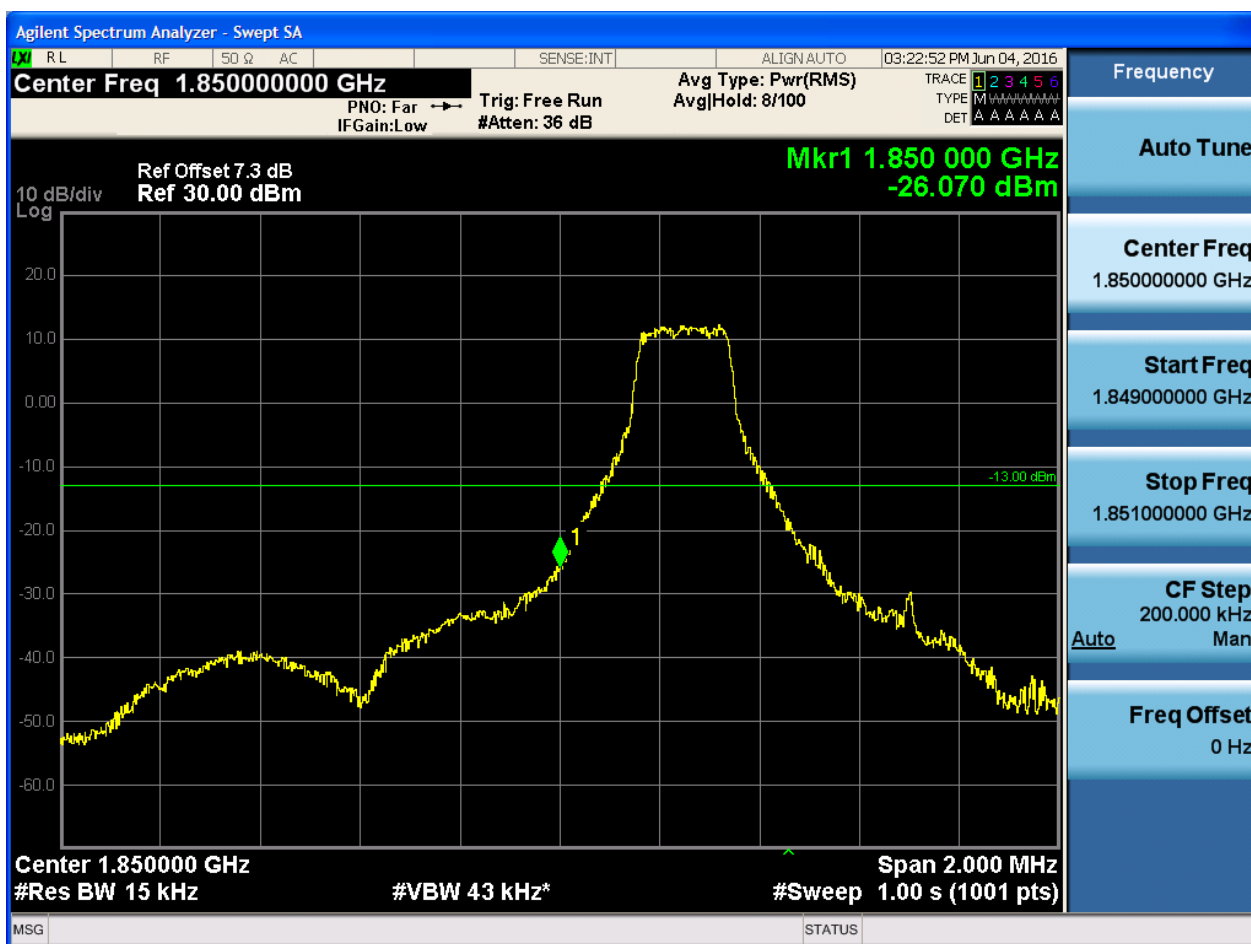


5.1.1.2 Test Mode = LTE/TM2

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





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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 7.3 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-24.944 dBm

Center 1.910000 GHz
#Res BW 15 kHz
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 1.910 010 GHz
-30.556 dBm

10 dB/div
Log

Center 1.910000 GHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz



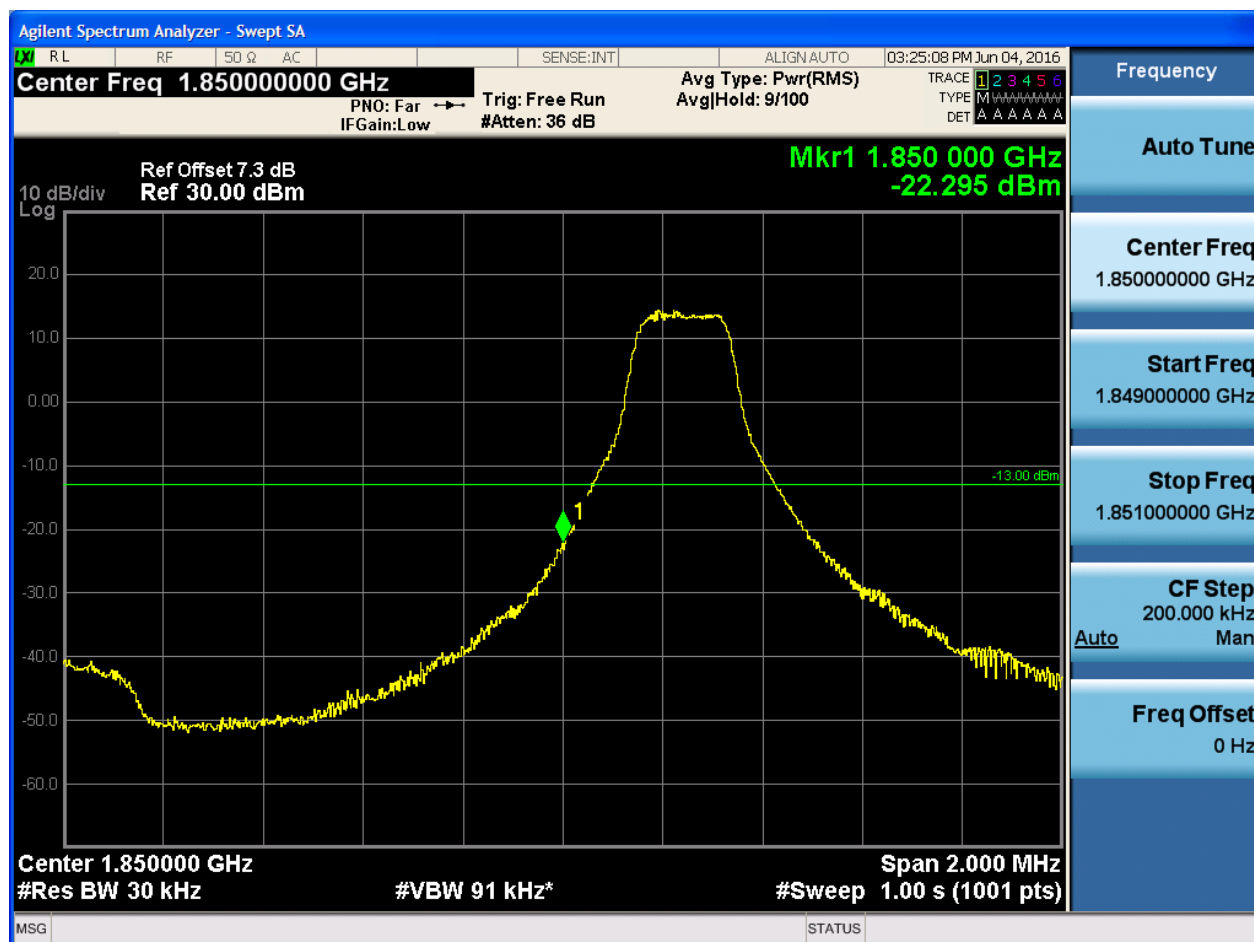
5.1.1.2.1.2.4 Test RB = RB6#0



5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14

