



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	21.41	19.41	33	PASS
				RB1#3	21.46	19.46	33	PASS
				RB1#5	21.48	19.48	33	PASS
				RB3#0	21.47	19.47	33	PASS
				RB3#2	21.53	19.53	33	PASS
				RB3#3	21.55	19.55	33	PASS
				RB6#0	20.6	18.6	33	PASS
			MCH	RB1#0	21.95	19.95	33	PASS
				RB1#3	22.02	20.02	33	PASS
				RB1#5	21.94	19.94	33	PASS
				RB3#0	22	20	33	PASS
				RB3#2	21.96	19.96	33	PASS
				RB3#3	21.9	19.9	33	PASS
				RB6#0	21	19	33	PASS
			HCH	RB1#0	21.84	19.84	33	PASS
				RB1#3	21.87	19.87	33	PASS
				RB1#5	21.71	19.71	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#0	21.82	19.82	33	PASS
				RB3#2	21.77	19.77	33	PASS
				RB3#3	21.72	19.72	33	PASS
				RB6#0	20.87	18.87	33	PASS
		3	LCH	RB1#0	21.23	19.23	33	PASS
				RB1#7	21.58	19.58	33	PASS
				RB1#14	21.38	19.38	33	PASS
				RB8#0	20.57	18.57	33	PASS
				RB8#4	20.68	18.68	33	PASS
				RB8#7	20.62	18.62	33	PASS
				RB15#0	20.64	18.64	33	PASS
			MCH	RB1#0	21.77	19.77	33	PASS
				RB1#7	21.97	19.97	33	PASS
				RB1#14	21.67	19.67	33	PASS
				RB8#0	21.04	19.04	33	PASS
				RB8#4	21.01	19.01	33	PASS
				RB8#7	20.96	18.96	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.97	18.97	33	PASS
			HCH	RB1#0	21.7	19.7	33	PASS
				RB1#7	21.89	19.89	33	PASS
				RB1#14	21.52	19.52	33	PASS
				RB8#0	20.91	18.91	33	PASS
				RB8#4	20.87	18.87	33	PASS
				RB8#7	20.79	18.79	33	PASS
				RB15#0	20.85	18.85	33	PASS
		5	LCH	RB1#0	20.76	18.76	33	PASS
				RB1#13	21.71	19.71	33	PASS
				RB1#24	21.41	19.41	33	PASS
				RB12#0	20.7	18.7	33	PASS
				RB12#6	20.82	18.82	33	PASS
				RB12#13	20.73	18.73	33	PASS
				RB25#0	20.73	18.73	33	PASS
			MCH	RB1#0	22.32	20.32	33	PASS
				RB1#13	22.03	20.03	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	21.59	19.59	33	PASS
				RB12#0	21.09	19.09	33	PASS
				RB12#6	21.12	19.12	33	PASS
				RB12#13	20.93	18.93	33	PASS
				RB25#0	20.98	18.98	33	PASS
			HCH	RB1#0	22.23	20.23	33	PASS
				RB1#13	21.92	19.92	33	PASS
				RB1#24	21.41	19.41	33	PASS
				RB12#0	21.07	19.07	33	PASS
				RB12#6	21.12	19.12	33	PASS
				RB12#13	20.9	18.9	33	PASS
				RB25#0	21.1	19.1	33	PASS
		10	LCH	RB1#0	21.62	19.62	33	PASS
				RB1#25	21.85	19.85	33	PASS
				RB1#49	21.65	19.65	33	PASS
				RB25#0	20.67	18.67	33	PASS
				RB25#13	20.86	18.86	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.95	18.95	33	PASS
				RB50#0	20.76	18.76	33	PASS
			MCH	RB1#0	22.16	20.16	33	PASS
				RB1#25	22	20	33	PASS
				RB1#49	21.6	19.6	33	PASS
				RB25#0	20.99	18.99	33	PASS
				RB25#13	20.95	18.95	33	PASS
				RB25#25	20.86	18.86	33	PASS
				RB50#0	20.99	18.99	33	PASS
			HCH	RB1#0	22.46	20.46	33	PASS
				RB1#25	22.09	20.09	33	PASS
				RB1#49	21.63	19.63	33	PASS
				RB25#0	21.17	19.17	33	PASS
				RB25#13	21.22	19.22	33	PASS
				RB25#25	21.14	19.14	33	PASS
				RB50#0	21.39	19.39	33	PASS
		15	LCH	RB1#0	21.46	19.46	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.02	20.02	33	PASS
				RB1#74	21.48	19.48	33	PASS
				RB38#0	20.78	18.78	33	PASS
				RB38#19	21.05	19.05	33	PASS
				RB38#39	21.02	19.02	33	PASS
				RB75#0	20.94	18.94	33	PASS
			MCH	RB1#0	22.04	20.04	33	PASS
				RB1#38	21.95	19.95	33	PASS
				RB1#74	21.46	19.46	33	PASS
				RB38#0	21.01	19.01	33	PASS
				RB38#19	21.06	19.06	33	PASS
				RB38#39	20.9	18.9	33	PASS
				RB75#0	20.86	18.86	33	PASS
			HCH	RB1#0	22.29	20.29	33	PASS
				RB1#38	22.15	20.15	33	PASS
				RB1#74	21.34	19.34	33	PASS
				RB38#0	21.28	19.28	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#19	21.24	19.24	33	PASS
				RB38#39	21.05	19.05	33	PASS
				RB75#0	21.37	19.37	33	PASS
		20	LCH	RB1#0	21.34	19.34	33	PASS
				RB1#50	22.14	20.14	33	PASS
				RB1#99	21.43	19.43	33	PASS
				RB50#0	20.82	18.82	33	PASS
				RB50#25	21.03	19.03	33	PASS
				RB50#50	20.97	18.97	33	PASS
				RB100#0	20.98	18.98	33	PASS
			MCH	RB1#0	22.11	20.11	33	PASS
				RB1#50	22.08	20.08	33	PASS
				RB1#99	21.44	19.44	33	PASS
				RB50#0	20.92	18.92	33	PASS
				RB50#25	21.05	19.05	33	PASS
				RB50#50	20.78	18.78	33	PASS
				RB100#0	20.82	18.82	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.12	20.12	33	PASS
				RB1#50	22.4	20.4	33	PASS
				RB1#99	21.37	19.37	33	PASS
				RB50#0	21.27	19.27	33	PASS
				RB50#25	21.41	19.41	33	PASS
				RB50#50	21.34	19.34	33	PASS
				RB100#0	21.34	19.34	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.64	18.64	33	PASS
				RB1#3	20.68	18.68	33	PASS
				RB1#5	20.63	18.63	33	PASS
				RB3#0	20.61	18.61	33	PASS
				RB3#2	20.64	18.64	33	PASS
				RB3#3	20.65	18.65	33	PASS
				RB6#0	20.58	18.58	33	PASS
			MCH	RB1#0	21.24	19.24	33	PASS
				RB1#3	21.22	19.22	33	PASS
				RB1#5	21.2	19.2	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#0	21.06	19.06	33	PASS
				RB3#2	21.01	19.01	33	PASS
				RB3#3	20.95	18.95	33	PASS
				RB6#0	21.1	19.1	33	PASS
			HCH	RB1#0	21.03	19.03	33	PASS
				RB1#3	21.16	19.16	33	PASS
				RB1#5	20.99	18.99	33	PASS
				RB3#0	21.03	19.03	33	PASS
				RB3#2	21.04	19.04	33	PASS
				RB3#3	20.93	18.93	33	PASS
				RB6#0	20.97	18.97	33	PASS
		3	LCH	RB1#0	20.57	18.57	33	PASS
				RB1#7	20.55	18.55	33	PASS
				RB1#14	20.33	18.33	33	PASS
				RB8#0	20.62	18.62	33	PASS
				RB8#4	20.67	18.67	33	PASS
				RB8#7	20.65	18.65	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.66	18.66	33	PASS
			MCH	RB1#0	21.15	19.15	33	PASS
				RB1#7	21.32	19.32	33	PASS
				RB1#14	21	19	33	PASS
				RB8#0	21.07	19.07	33	PASS
				RB8#4	21.02	19.02	33	PASS
				RB8#7	21.01	19.01	33	PASS
				RB15#0	20.97	18.97	33	PASS
			HCH	RB1#0	21.15	19.15	33	PASS
				RB1#7	21.14	19.14	33	PASS
				RB1#14	20.88	18.88	33	PASS
				RB8#0	20.9	18.9	33	PASS
				RB8#4	20.91	18.91	33	PASS
				RB8#7	20.85	18.85	33	PASS
				RB15#0	20.95	18.95	33	PASS
		5	LCH	RB1#0	20.89	18.89	33	PASS
				RB1#13	20.97	18.97	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	20.69	18.69	33	PASS
				RB12#0	20.72	18.72	33	PASS
				RB12#6	20.83	18.83	33	PASS
				RB12#13	20.71	18.71	33	PASS
				RB25#0	20.69	18.69	33	PASS
			MCH	RB1#0	21.65	19.65	33	PASS
				RB1#13	21.37	19.37	33	PASS
				RB1#24	20.95	18.95	33	PASS
				RB12#0	21.04	19.04	33	PASS
				RB12#6	21.07	19.07	33	PASS
				RB12#13	20.85	18.85	33	PASS
				RB25#0	21	19	33	PASS
			HCH	RB1#0	21.78	19.78	33	PASS
				RB1#13	21.53	19.53	33	PASS
				RB1#24	20.95	18.95	33	PASS
				RB12#0	21.19	19.19	33	PASS
				RB12#6	21.25	19.25	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.03	19.03	33	PASS
				RB25#0	21.15	19.15	33	PASS
		10	LCH	RB1#0	20.9	18.9	33	PASS
				RB1#25	21.12	19.12	33	PASS
				RB1#49	20.97	18.97	33	PASS
				RB25#0	20.75	18.75	33	PASS
				RB25#13	20.91	18.91	33	PASS
				RB25#25	20.9	18.9	33	PASS
				RB50#0	20.77	18.77	33	PASS
			MCH	RB1#0	21.44	19.44	33	PASS
				RB1#25	21.29	19.29	33	PASS
				RB1#49	20.76	18.76	33	PASS
				RB25#0	21.01	19.01	33	PASS
				RB25#13	21.01	19.01	33	PASS
				RB25#25	20.87	18.87	33	PASS
				RB50#0	20.98	18.98	33	PASS
			HCH	RB1#0	21.66	19.66	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.47	19.47	33	PASS
				RB1#49	20.96	18.96	33	PASS
				RB25#0	21.31	19.31	33	PASS
				RB25#13	21.33	19.33	33	PASS
				RB25#25	21.29	19.29	33	PASS
				RB50#0	21.47	19.47	33	PASS
		15	LCH	RB1#0	20.57	18.57	33	PASS
				RB1#38	21.29	19.29	33	PASS
				RB1#74	20.76	18.76	33	PASS
				RB38#0	20.8	18.8	33	PASS
				RB38#19	21.04	19.04	33	PASS
				RB38#39	20.99	18.99	33	PASS
				RB75#0	20.92	18.92	33	PASS
			MCH	RB1#0	21.23	19.23	33	PASS
				RB1#38	21.17	19.17	33	PASS
				RB1#74	20.62	18.62	33	PASS
				RB38#0	21.01	19.01	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#19	21.07	19.07	33	PASS
				RB38#39	20.85	18.85	33	PASS
				RB75#0	20.87	18.87	33	PASS
			HCH	RB1#0	21.63	19.63	33	PASS
				RB1#38	21.51	19.51	33	PASS
				RB1#74	20.74	18.74	33	PASS
				RB38#0	21.29	19.29	33	PASS
				RB38#19	21.27	19.27	33	PASS
				RB38#39	21.09	19.09	33	PASS
				RB75#0	21.39	19.39	33	PASS
		20	LCH	RB1#0	20.75	18.75	33	PASS
				RB1#50	21.37	19.37	33	PASS
				RB1#99	20.75	18.75	33	PASS
				RB50#0	20.72	18.72	33	PASS
				RB50#25	20.97	18.97	33	PASS
				RB50#50	20.91	18.91	33	PASS
				RB100#0	20.9	18.9	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.34	19.34	33	PASS
				RB1#50	21.29	19.29	33	PASS
				RB1#99	20.63	18.63	33	PASS
				RB50#0	20.83	18.83	33	PASS
				RB50#25	21.02	19.02	33	PASS
				RB50#50	20.7	18.7	33	PASS
				RB100#0	20.8	18.8	33	PASS
			HCH	RB1#0	21.35	19.35	33	PASS
				RB1#50	21.83	19.83	33	PASS
				RB1#99	20.73	18.73	33	PASS
				RB50#0	21.21	19.21	33	PASS
				RB50#25	21.38	19.38	33	PASS
				RB50#50	21.32	19.32	33	PASS
				RB100#0	21.25	19.25	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:

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

SET RBW=1%of the OBW, not to exceed 1MHz

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

SET Sweep time=auto-couple.

Detector: RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	4.61	13	PASS
				RB1#3	4.48	13	PASS
				RB1#5	4.64	13	PASS
				RB3#0	4.91	13	PASS
				RB3#2	4.91	13	PASS
				RB3#3	4.96	13	PASS
				RB6#0	5.37	13	PASS
			MCH	RB1#0	3.92	13	PASS
				RB1#3	3.83	13	PASS
				RB1#5	3.9	13	PASS
				RB3#0	4.25	13	PASS
				RB3#2	4.22	13	PASS
				RB3#3	4.36	13	PASS
				RB6#0	5.15	13	PASS
			HCH	RB1#0	3.49	13	PASS
				RB1#3	3.44	13	PASS
				RB1#5	3.41	13	PASS
				RB3#0	4	13	PASS
				RB3#2	3.92	13	PASS
				RB3#3	3.91	13	PASS
				RB6#0	4.97	13	PASS
		3	LCH	RB1#0	4.42	13	PASS
				RB1#7	4.1	13	PASS
				RB1#14	4.27	13	PASS
				RB8#0	5.52	13	PASS
				RB8#4	5.57	13	PASS
				RB8#7	5.68	13	PASS
				RB15#0	5.49	13	PASS
			MCH	RB1#0	3.92	13	PASS
				RB1#7	3.63	13	PASS
				RB1#14	3.98	13	PASS
				RB8#0	4.92	13	PASS
				RB8#4	4.9	13	PASS
				RB8#7	5.03	13	PASS
				RB15#0	5.22	13	PASS
			HCH	RB1#0	3.38	13	PASS
				RB1#7	3.18	13	PASS
				RB1#14	3.52	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	4.64	13	PASS
				RB8#4	4.4	13	PASS
				RB8#7	4.64	13	PASS
				RB15#0	5.07	13	PASS
			LCH	RB1#0	4.41	13	PASS
				RB1#13	4.06	13	PASS
				RB1#24	4.22	13	PASS
				RB12#0	5.39	13	PASS
				RB12#6	5.21	13	PASS
				RB12#13	5.41	13	PASS
				RB25#0	6	13	PASS
			MCH	RB1#0	4.04	13	PASS
				RB1#13	3.68	13	PASS
				RB1#24	4	13	PASS
				RB12#0	4.92	13	PASS
				RB12#6	4.77	13	PASS
				RB12#13	5.02	13	PASS
				RB25#0	5.5	13	PASS
			HCH	RB1#0	3.42	13	PASS
				RB1#13	3.33	13	PASS
				RB1#24	3.74	13	PASS
				RB12#0	4.44	13	PASS
				RB12#6	4.4	13	PASS
				RB12#13	4.67	13	PASS
				RB25#0	5.17	13	PASS
		10	LCH	RB1#0	4.45	13	PASS
				RB1#25	4.12	13	PASS
				RB1#49	4.24	13	PASS
				RB25#0	5.51	13	PASS
				RB25#13	5.49	13	PASS
				RB25#25	5.35	13	PASS
				RB50#0	5.83	13	PASS
			MCH	RB1#0	3.94	13	PASS
				RB1#25	3.66	13	PASS
				RB1#49	4.13	13	PASS
				RB25#0	5.09	13	PASS
				RB25#13	5.03	13	PASS
				RB25#25	5.22	13	PASS
				RB50#0	5.61	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	3.36	13	PASS
				RB1#25	3.24	13	PASS
				RB1#49	3.76	13	PASS
				RB25#0	4.53	13	PASS
				RB25#13	4.37	13	PASS
				RB25#25	4.7	13	PASS
				RB50#0	5.24	13	PASS
		15	LCH	RB1#0	4.76	13	PASS
				RB1#38	4.2	13	PASS
				RB1#74	4.43	13	PASS
				RB38#0	5.74	13	PASS
				RB38#19	5.37	13	PASS
				RB38#39	5.52	13	PASS
				RB75#0	5.96	13	PASS
			MCH	RB1#0	4.1	13	PASS
				RB1#38	3.8	13	PASS
				RB1#74	4.39	13	PASS
				RB38#0	5.2	13	PASS
				RB38#19	5.17	13	PASS
				RB38#39	5.44	13	PASS
				RB75#0	5.79	13	PASS
			HCH	RB1#0	3.97	13	PASS
				RB1#38	3.18	13	PASS
				RB1#74	4.17	13	PASS
				RB38#0	4.8	13	PASS
				RB38#19	4.4	13	PASS
				RB38#39	4.77	13	PASS
				RB75#0	5.27	13	PASS
		20	LCH	RB1#0	4.69	13	PASS
				RB1#50	3.95	13	PASS
				RB1#99	4.26	13	PASS
				RB50#0	5.54	13	PASS
				RB50#25	5.38	13	PASS
				RB50#50	5.48	13	PASS
				RB100#0	5.74	13	PASS
			MCH	RB1#0	4.05	13	PASS
				RB1#50	3.74	13	PASS
				RB1#99	4.29	13	PASS
				RB50#0	5.32	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	5.22	13	PASS
				RB50#50	5.52	13	PASS
				RB100#0	5.83	13	PASS
			HCH	RB1#0	4.35	13	PASS
				RB1#50	3.03	13	PASS
				RB1#99	4.22	13	PASS
				RB50#0	4.98	13	PASS
				RB50#25	4.41	13	PASS
				RB50#50	4.72	13	PASS
				RB100#0	5.31	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.2	13	PASS
				RB1#3	5.27	13	PASS
				RB1#5	5.26	13	PASS
				RB3#0	5.77	13	PASS
				RB3#2	5.64	13	PASS
				RB3#3	5.5	13	PASS
				RB6#0	5.98	13	PASS
			MCH	RB1#0	4.51	13	PASS
				RB1#3	4.72	13	PASS
				RB1#5	4.5	13	PASS
				RB3#0	4.95	13	PASS
				RB3#2	5.02	13	PASS
				RB3#3	4.93	13	PASS
				RB6#0	5.75	13	PASS
			HCH	RB1#0	4.25	13	PASS
				RB1#3	4.32	13	PASS
				RB1#5	4.24	13	PASS
				RB3#0	4.6	13	PASS
				RB3#2	4.55	13	PASS
				RB3#3	4.64	13	PASS
				RB6#0	5.66	13	PASS
		3	LCH	RB1#0	5.19	13	PASS
				RB1#7	5.08	13	PASS
				RB1#14	5.16	13	PASS
				RB8#0	5.99	13	PASS
				RB8#4	5.91	13	PASS
				RB8#7	6.02	13	PASS
				RB15#0	6.15	13	PASS
			MCH	RB1#0	4.7	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	4.47	13	PASS
				RB1#14	4.82	13	PASS
				RB8#0	5.57	13	PASS
				RB8#4	5.47	13	PASS
				RB8#7	5.6	13	PASS
				RB15#0	5.72	13	PASS
			HCH	RB1#0	4.18	13	PASS
				RB1#7	4.22	13	PASS
				RB1#14	4.57	13	PASS
				RB8#0	5.48	13	PASS
				RB8#4	5.45	13	PASS
				RB8#7	5.49	13	PASS
				RB15#0	5.87	13	PASS
		5	LCH	RB1#0	5.35	13	PASS
				RB1#13	5.18	13	PASS
				RB1#24	5.26	13	PASS
				RB12#0	6.05	13	PASS
				RB12#6	6.01	13	PASS
				RB12#13	6.06	13	PASS
			MCH	RB25#0	6.28	13	PASS
				RB1#0	4.71	13	PASS
				RB1#13	4.55	13	PASS
				RB1#24	4.97	13	PASS
				RB12#0	5.51	13	PASS
				RB12#6	5.42	13	PASS
				RB12#13	5.51	13	PASS
				RB25#0	6.25	13	PASS
			HCH	RB1#0	4.03	13	PASS
				RB1#13	4.08	13	PASS
				RB1#24	4.38	13	PASS
				RB12#0	5.29	13	PASS
				RB12#6	5.28	13	PASS
				RB12#13	5.58	13	PASS
				RB25#0	6.05	13	PASS
		10	LCH	RB1#0	5.32	13	PASS
				RB1#25	5.03	13	PASS
				RB1#49	4.99	13	PASS
				RB25#0	5.98	13	PASS
				RB25#13	5.96	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	5.91	13	PASS
				RB50#0	6.61	13	PASS
			MCH	RB1#0	4.53	13	PASS
				RB1#25	4.41	13	PASS
				RB1#49	4.83	13	PASS
				RB25#0	5.75	13	PASS
				RB25#13	5.72	13	PASS
				RB25#25	5.74	13	PASS
				RB50#0	6.46	13	PASS
			HCH	RB1#0	4.27	13	PASS
				RB1#25	4.04	13	PASS
				RB1#49	4.75	13	PASS
				RB25#0	5.37	13	PASS
				RB25#13	5.23	13	PASS
				RB25#25	5.55	13	PASS
				RB50#0	5.8	13	PASS
		15	LCH	RB1#0	5.57	13	PASS
				RB1#38	4.99	13	PASS
				RB1#74	5.12	13	PASS
				RB38#0	5.97	13	PASS
				RB38#19	5.92	13	PASS
				RB38#39	6.03	13	PASS
				RB75#0	6.69	13	PASS
			MCH	RB1#0	5.03	13	PASS
				RB1#38	4.63	13	PASS
				RB1#74	5.21	13	PASS
				RB38#0	5.86	13	PASS
				RB38#19	5.83	13	PASS
				RB38#39	5.97	13	PASS
				RB75#0	6.56	13	PASS
			HCH	RB1#0	4.69	13	PASS
				RB1#38	3.92	13	PASS
				RB1#74	4.78	13	PASS
				RB38#0	5.56	13	PASS
				RB38#19	5.23	13	PASS
				RB38#39	5.45	13	PASS
				RB75#0	6.05	13	PASS
		20	LCH	RB1#0	5.27	13	PASS
				RB1#50	4.52	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	4.8	13	PASS
				RB50#0	6.23	13	PASS
				RB50#25	6.12	13	PASS
				RB50#50	6.16	13	PASS
				RB100#0	6.46	13	PASS
			MCH	RB1#0	4.62	13	PASS
				RB1#50	4.39	13	PASS
				RB1#99	4.87	13	PASS
				RB50#0	5.86	13	PASS
				RB50#25	5.92	13	PASS
				RB50#50	6.1	13	PASS
				RB100#0	6.65	13	PASS
			HCH	RB1#0	4.92	13	PASS
				RB1#50	3.69	13	PASS
				RB1#99	4.67	13	PASS
				RB50#0	5.82	13	PASS
				RB50#25	5.27	13	PASS
				RB50#50	5.45	13	PASS
				RB100#0	5.97	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

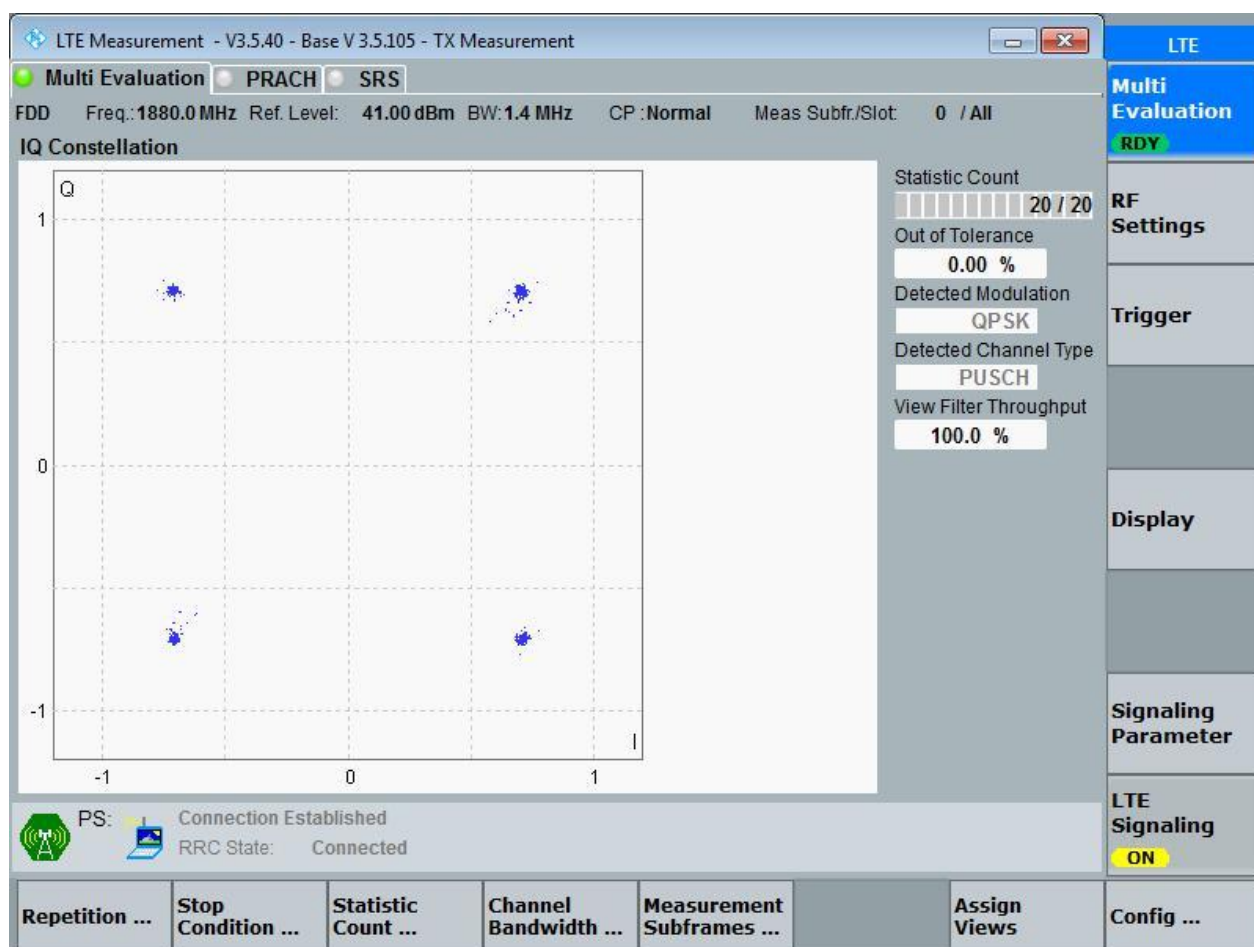
3.1.1 Test Band = BAND2

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

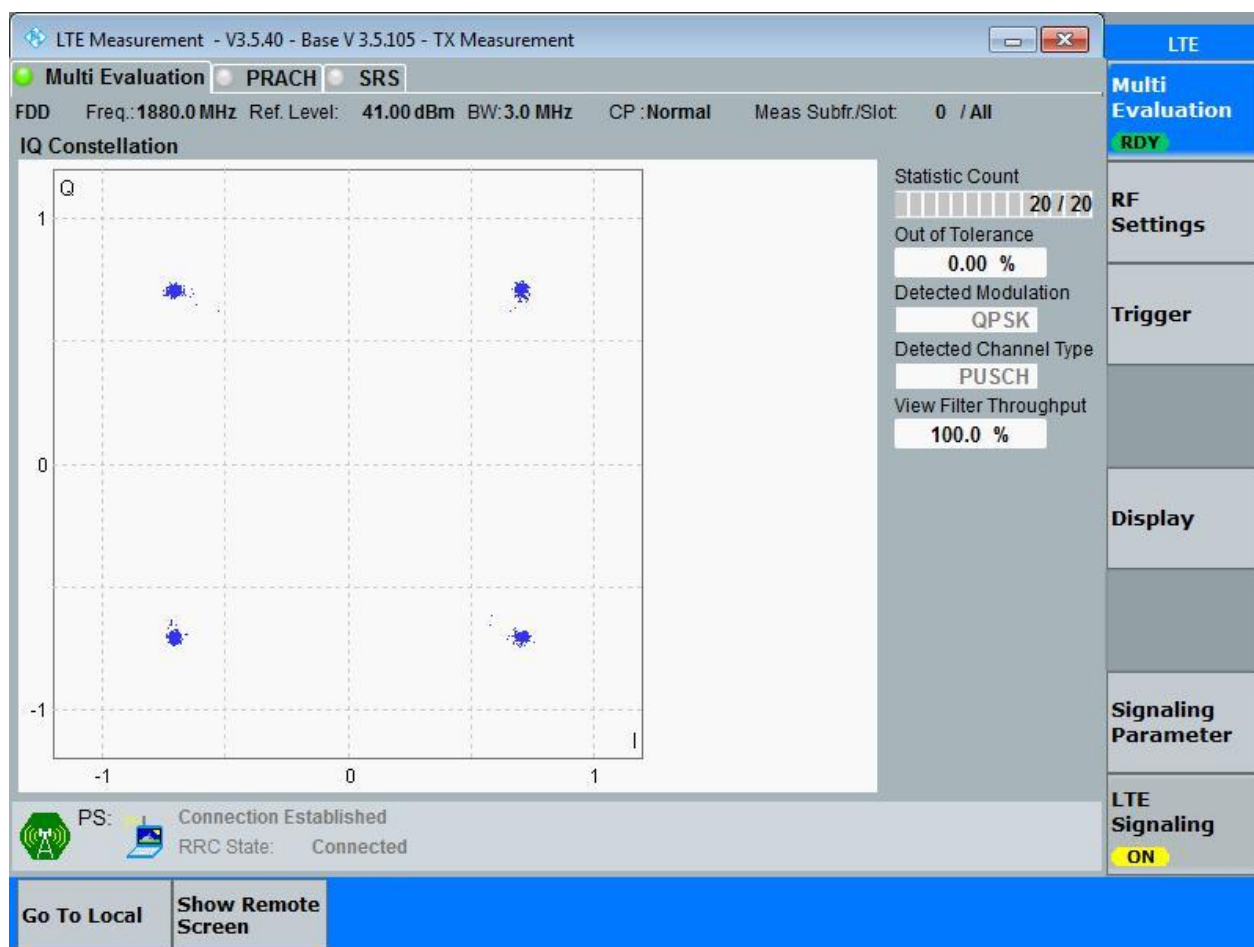
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

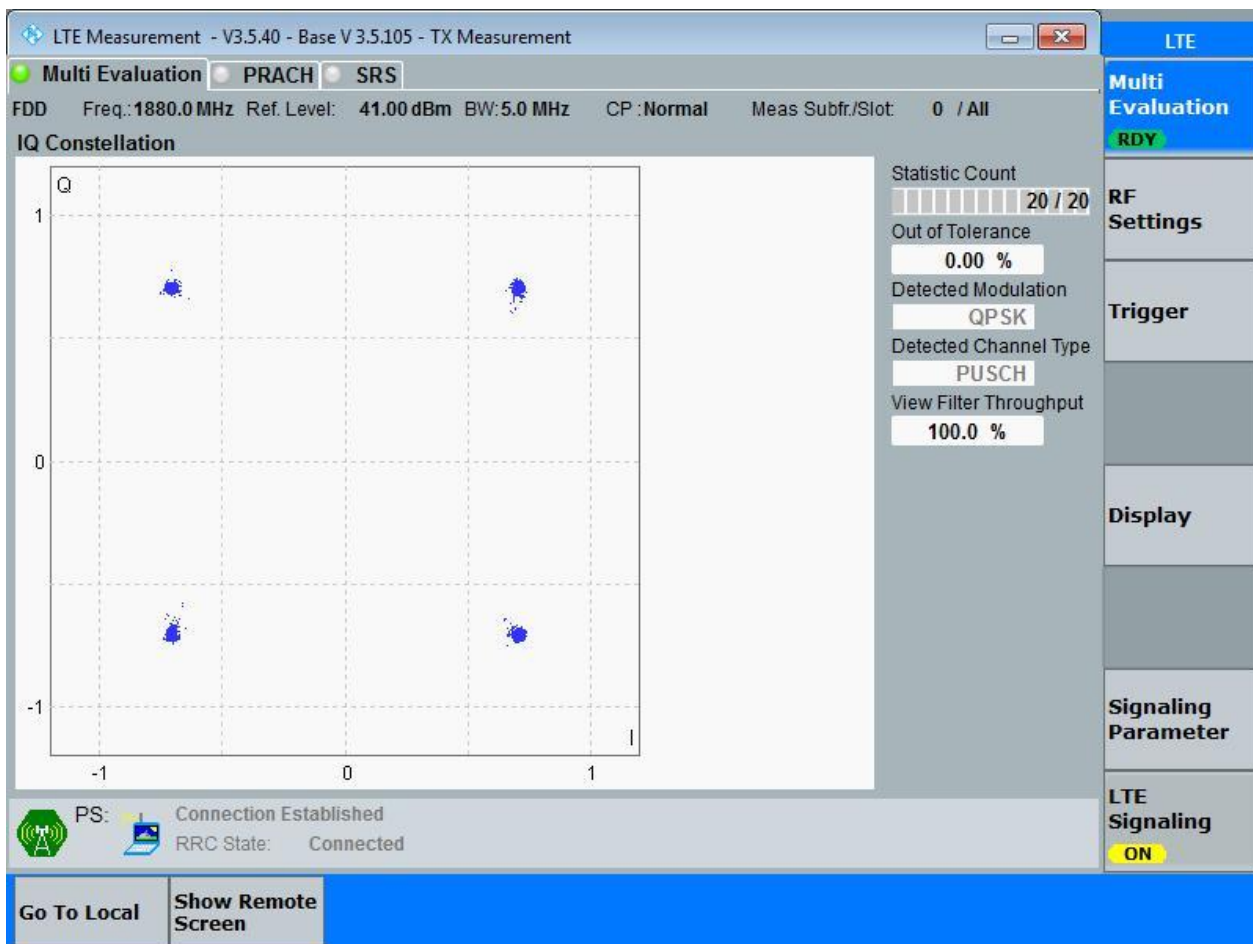
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

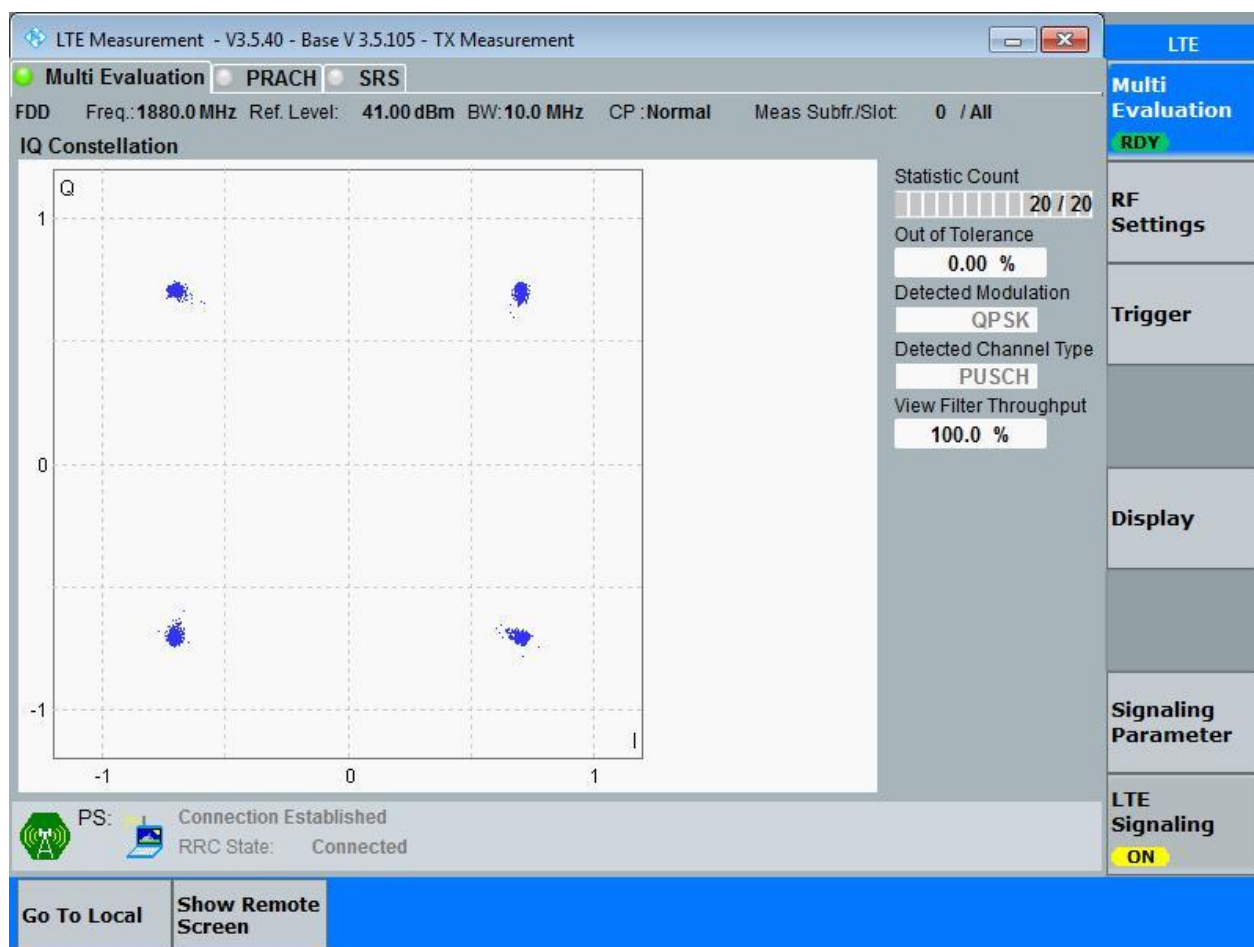
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

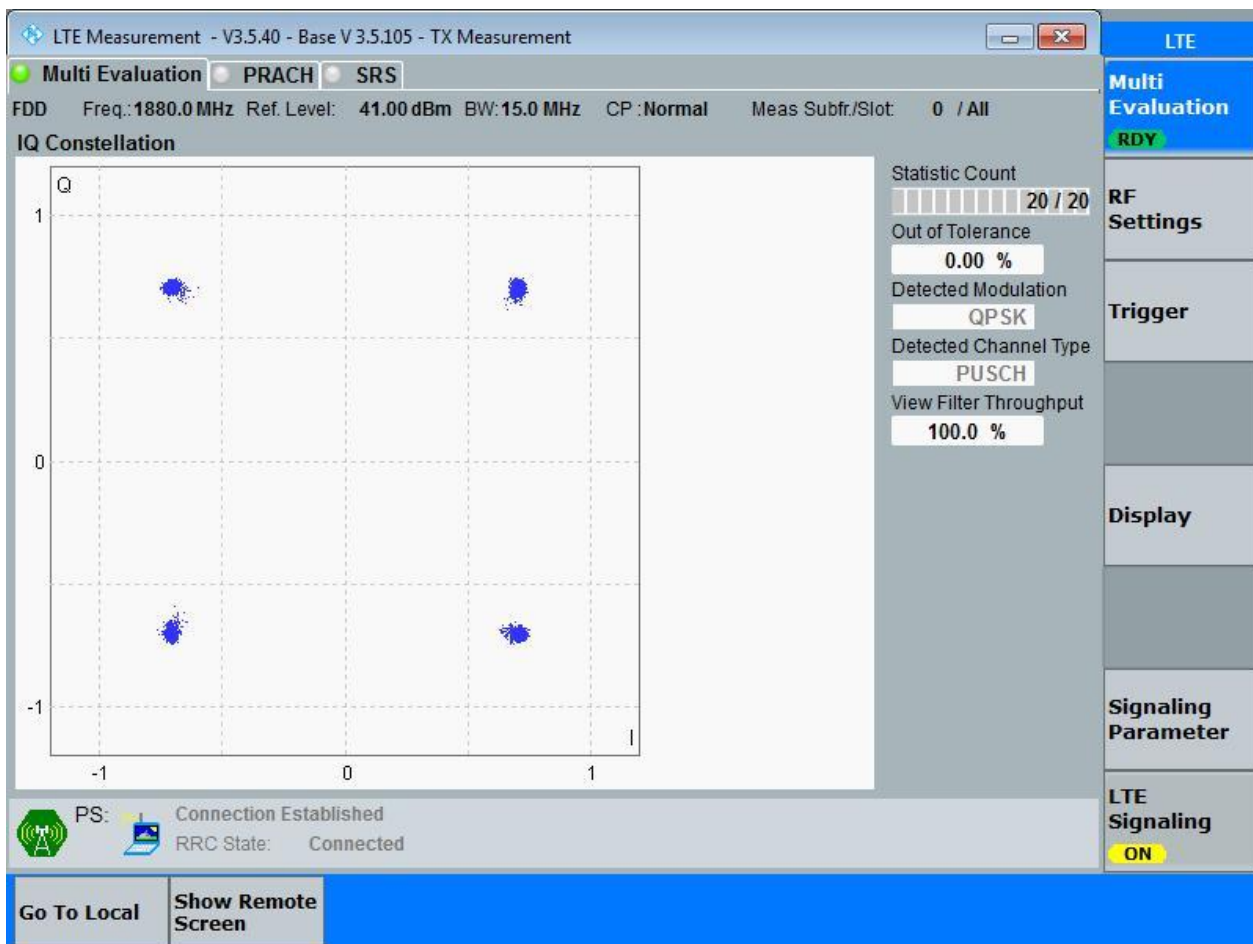
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

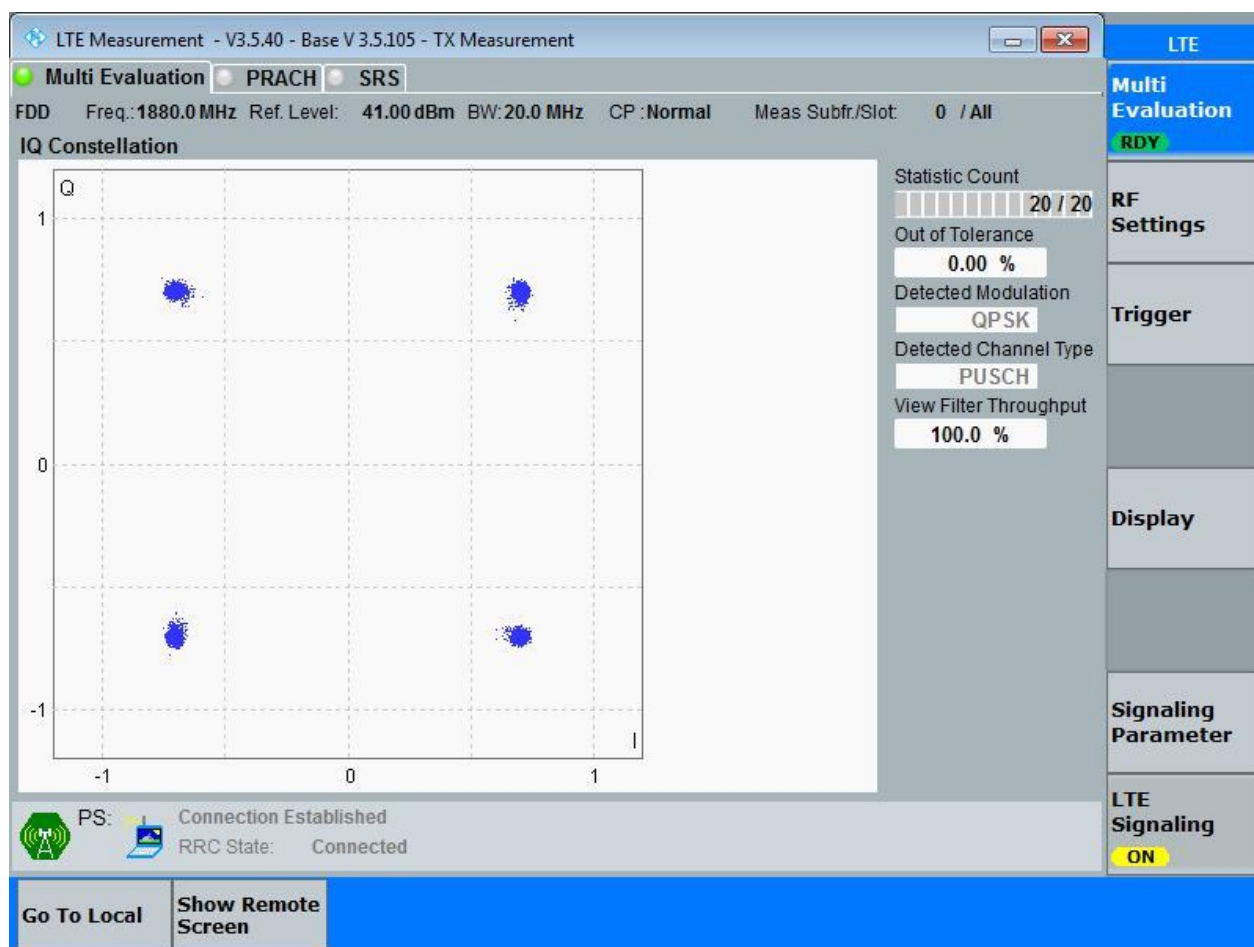
3.1.1.1.5.1.1 Test RB = RB75#0



3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0

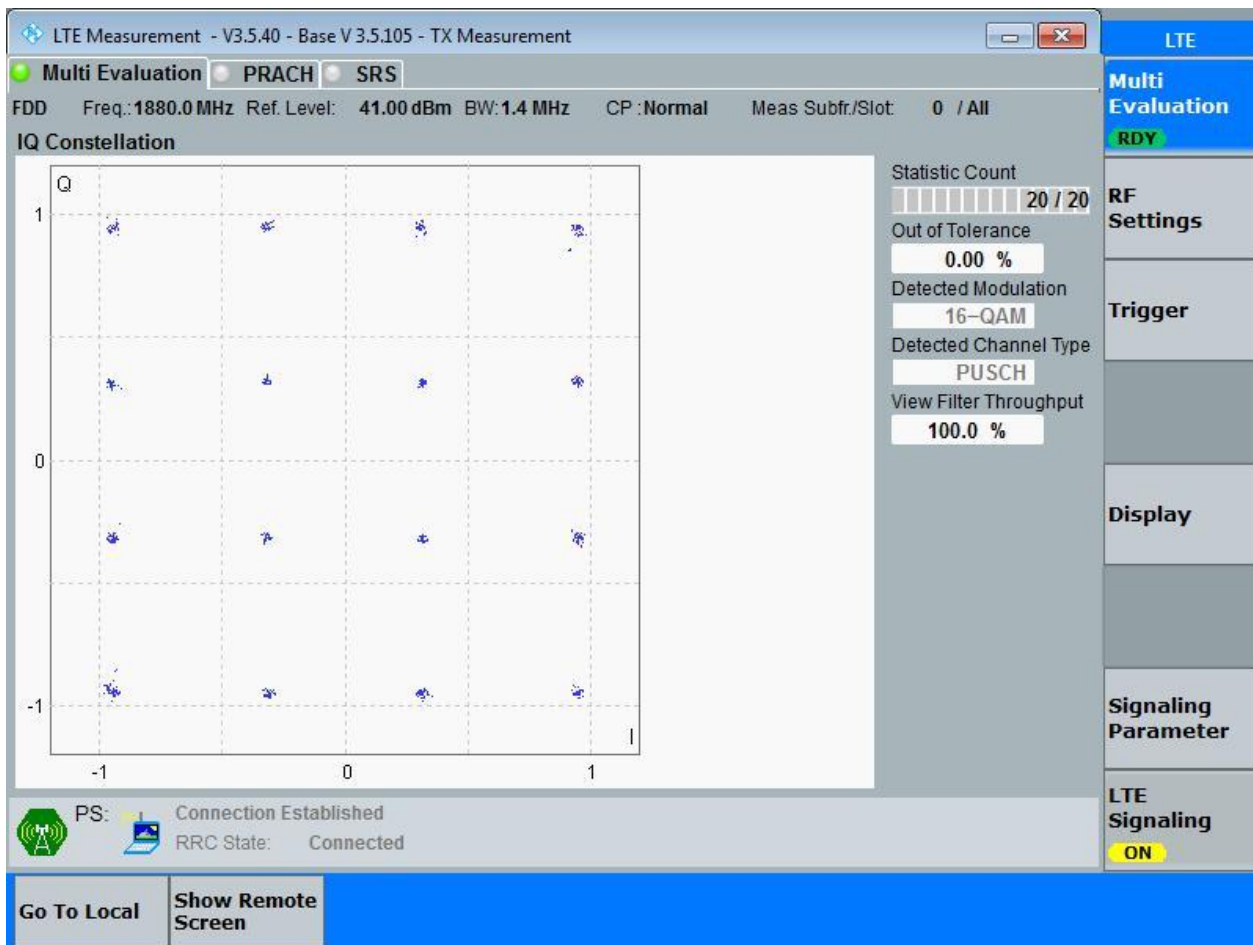


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

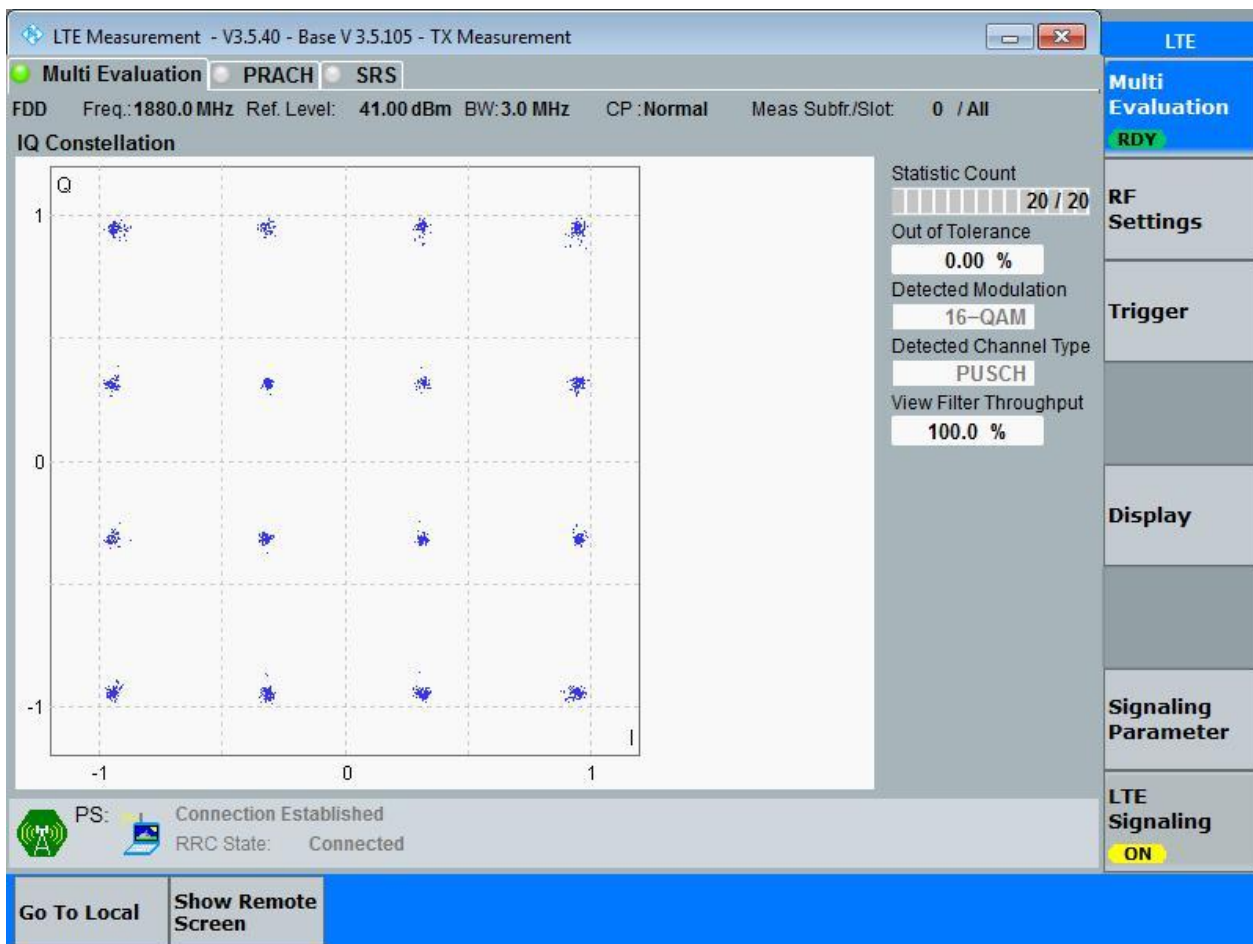
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

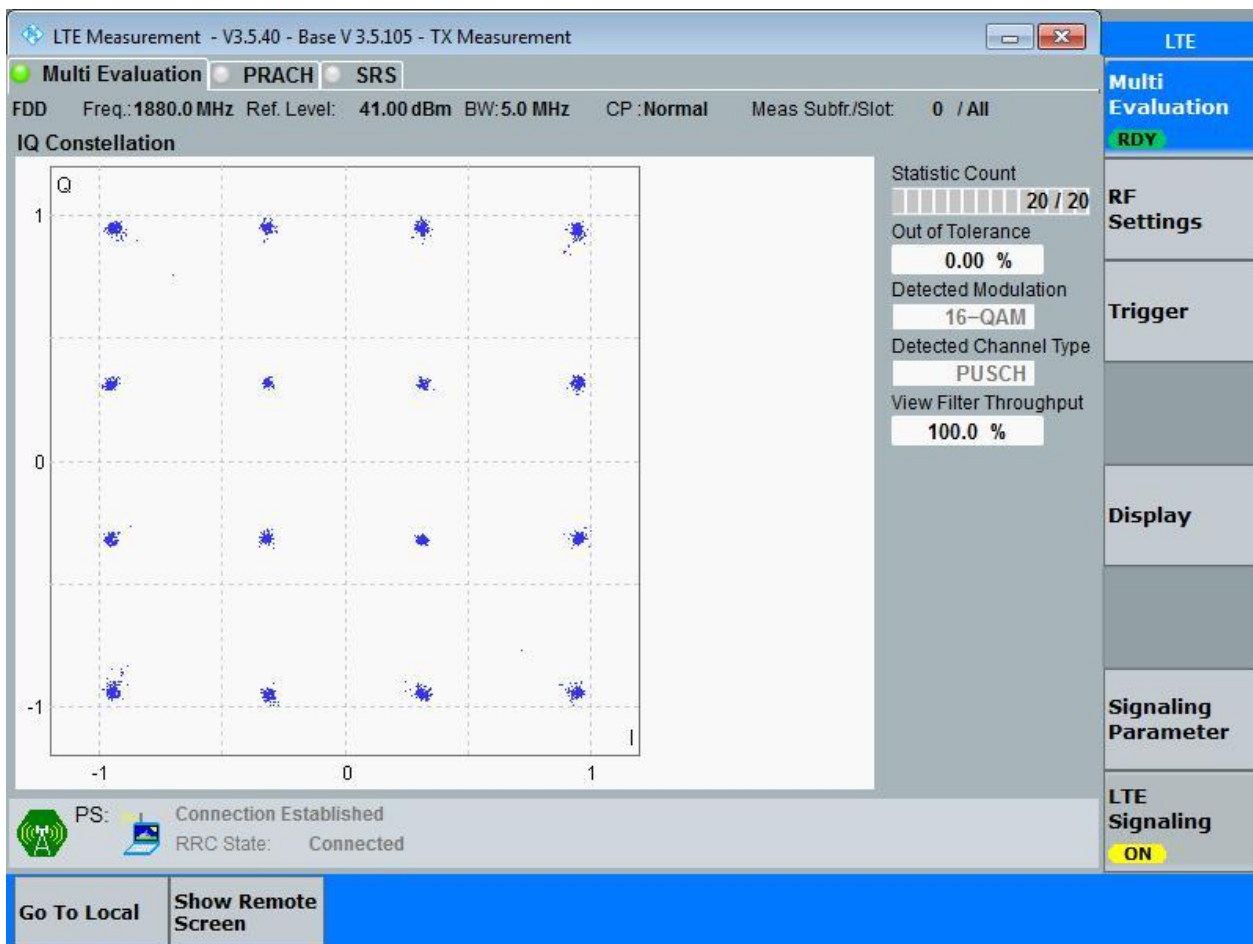
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

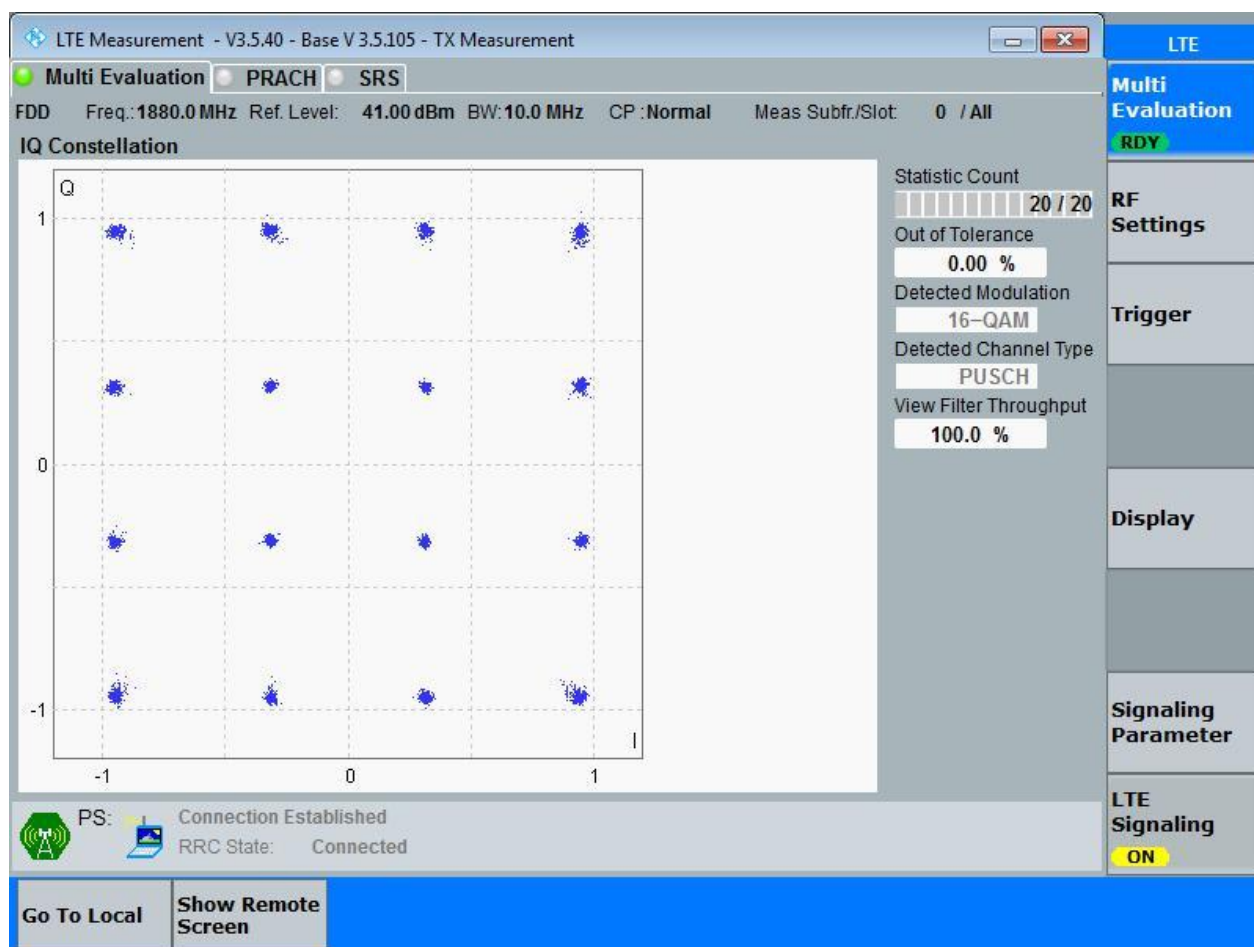
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

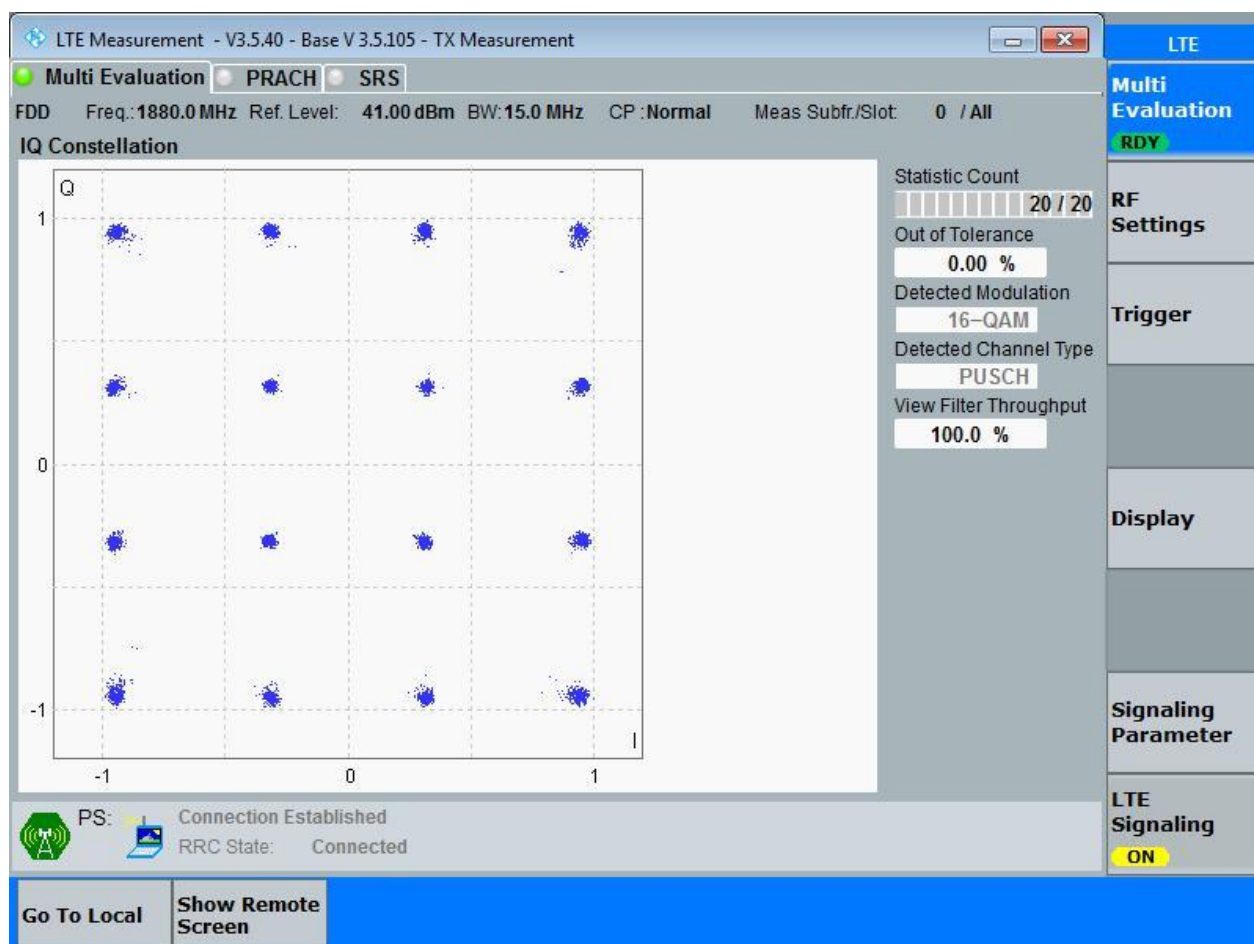
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

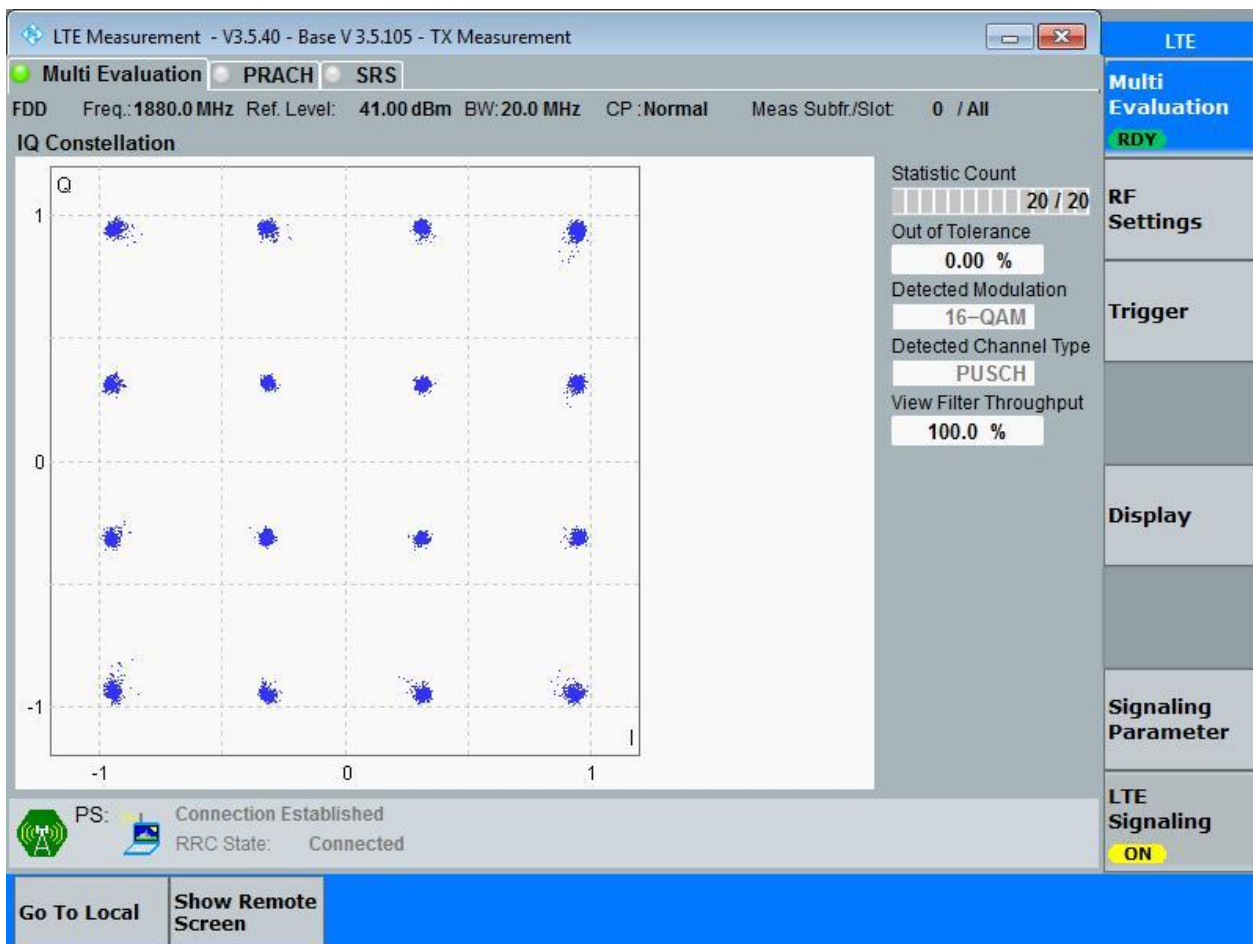
3.1.1.2.5.1.1 Test RB = RB75#0



3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 Test RB = RB100#0





4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.10	1.25	Pass
		3	LCH	RB15#0	2.71	2.97	Pass
			MCH	RB15#0	2.71	2.97	Pass
			HCH	RB15#0	2.71	3.00	Pass
		5	LCH	RB25#0	4.52	5.00	Pass
			MCH	RB25#0	4.52	4.98	Pass
			HCH	RB25#0	4.52	5.01	Pass
		10	LCH	RB50#0	9.01	9.94	Pass
			MCH	RB50#0	9.00	9.94	Pass
			HCH	RB50#0	9.02	9.93	Pass
		15	LCH	RB75#0	13.47	15.08	Pass
			MCH	RB75#0	13.50	15.10	Pass
			HCH	RB75#0	13.48	15.00	Pass
		20	LCH	RB100#0	17.99	19.74	Pass
			MCH	RB100#0	18.00	19.82	Pass
			HCH	RB100#0	17.92	19.78	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.25	Pass
			MCH	RB6#0	1.10	1.25	Pass
			HCH	RB6#0	1.10	1.25	Pass
		3	LCH	RB15#0	2.71	2.97	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.52	5.00	Pass
			MCH	RB25#0	4.52	4.99	Pass
			HCH	RB25#0	4.52	5.00	Pass
		10	LCH	RB50#0	9.00	9.90	Pass
			MCH	RB50#0	9.01	9.88	Pass
			HCH	RB50#0	9.01	9.95	Pass
		15	LCH	RB75#0	13.49	15.04	Pass
			MCH	RB75#0	13.51	15.00	Pass
			HCH	RB75#0	13.47	15.00	Pass
		20	LCH	RB100#0	17.99	19.81	Pass
			MCH	RB100#0	18.01	19.83	Pass
			HCH	RB100#0	17.94	19.86	Pass



Part II - Test Plots

4.1 For LTE

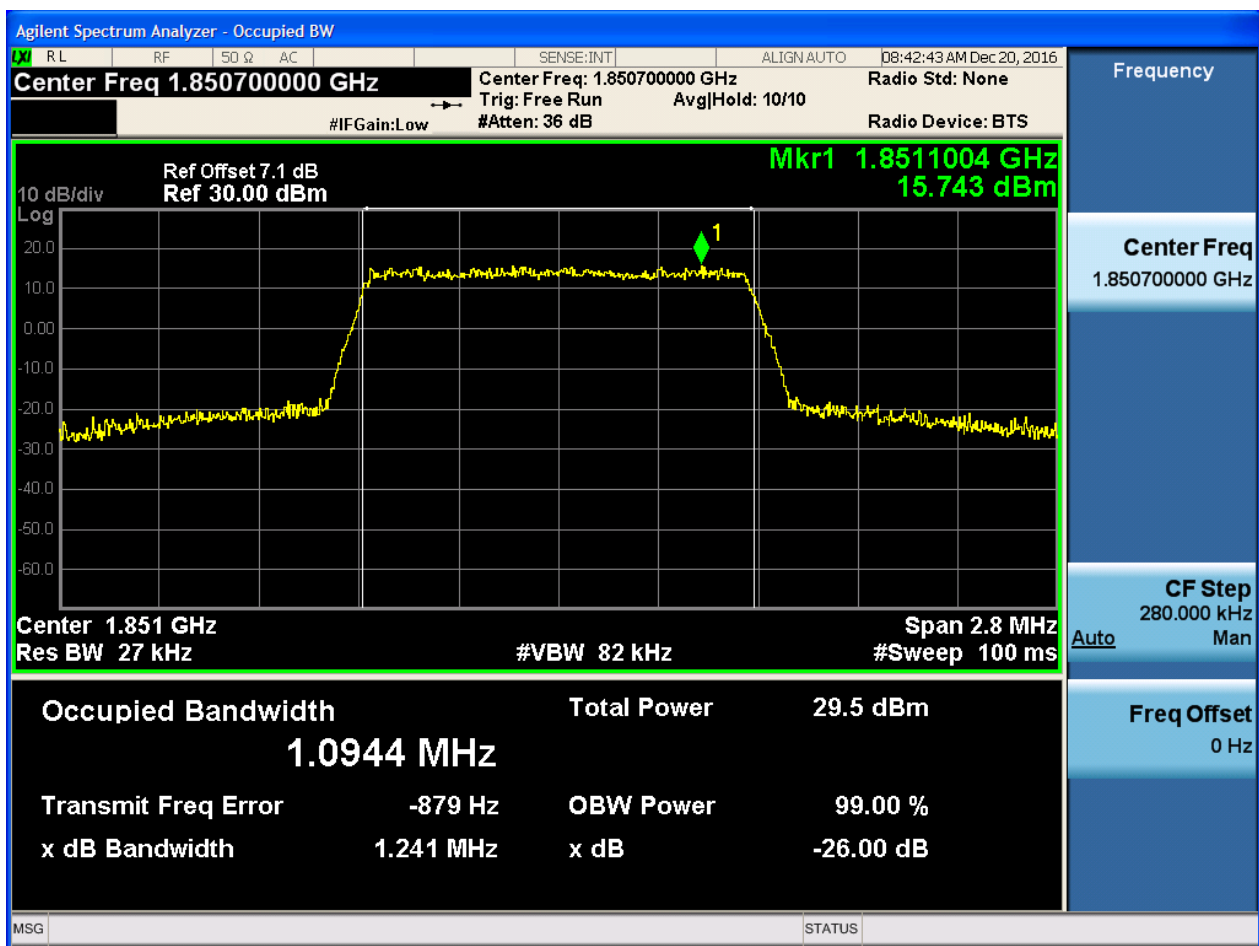
4.1.2 Test Band = BAND2

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

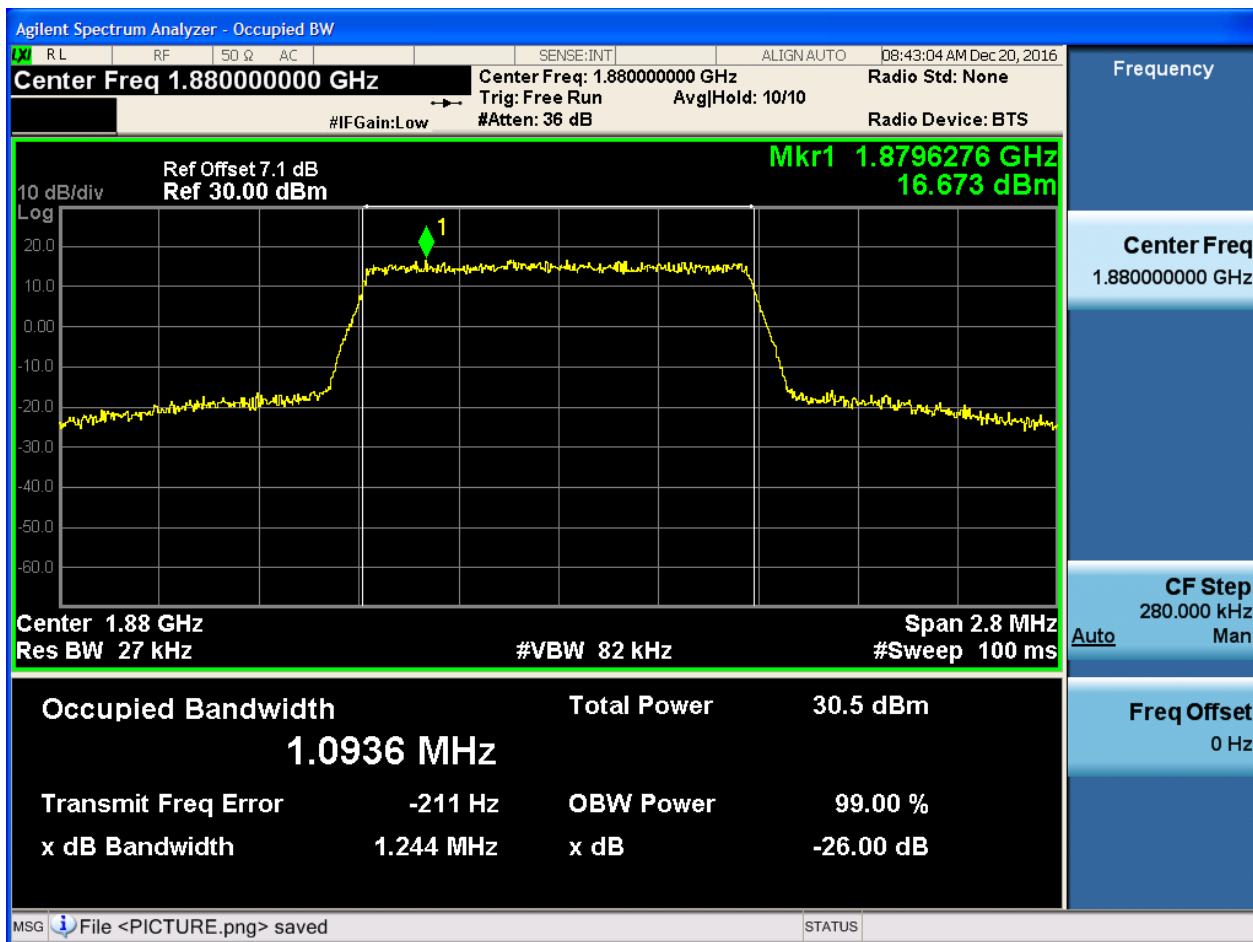
4.1.2.1.1.1.1 Test RB = RB6#0





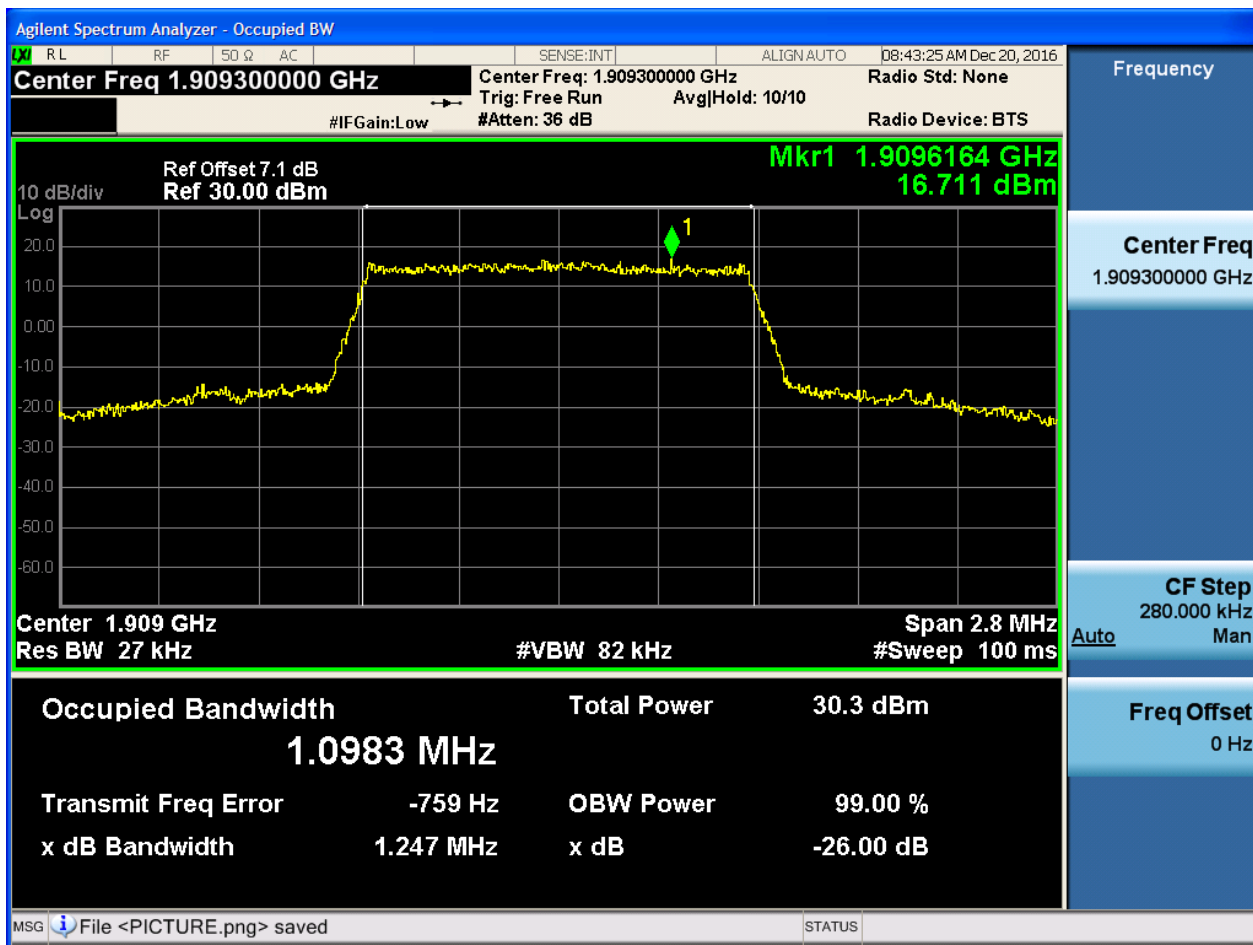
4.1.2.1.1.2 Test Channel = MCH

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

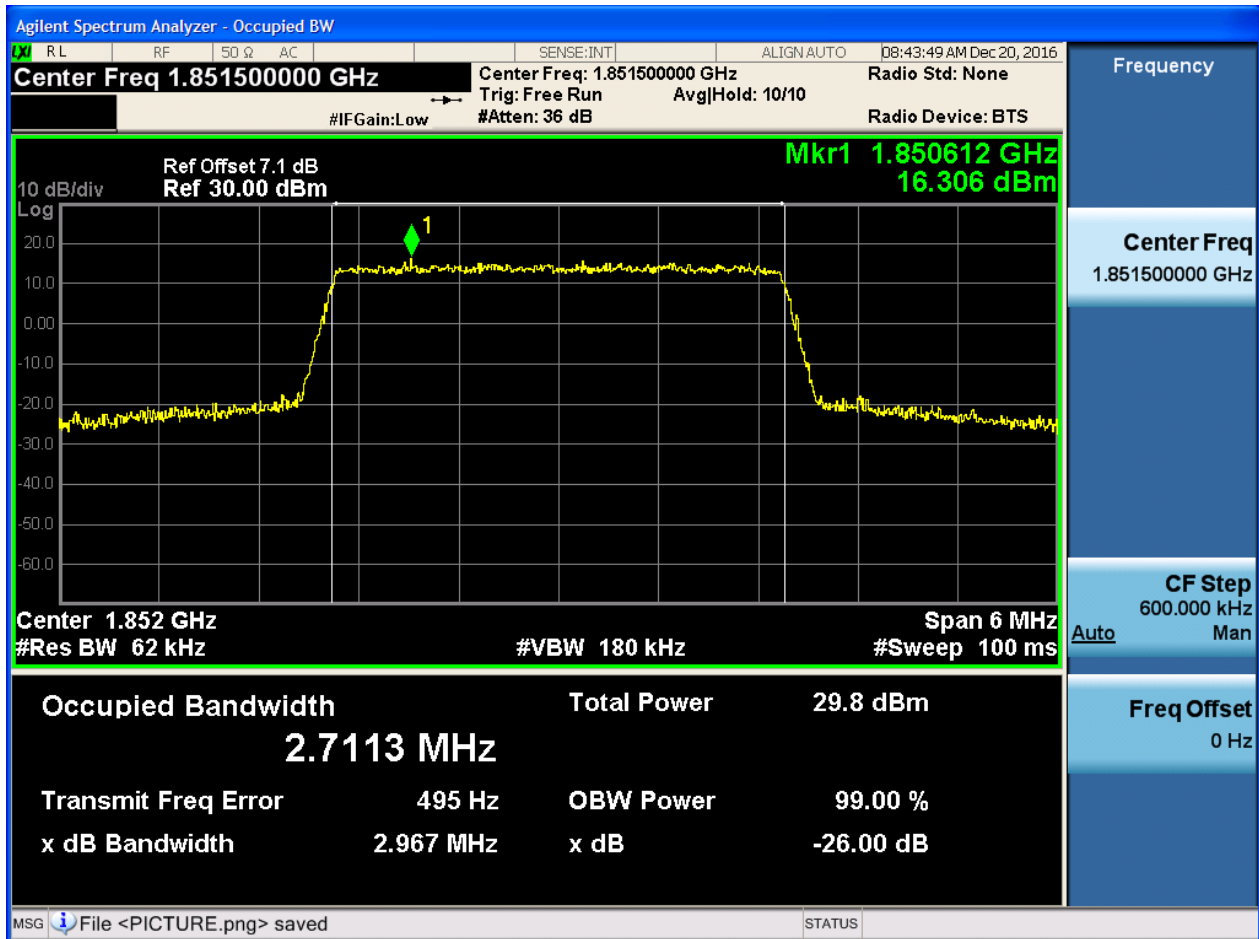




4.1.2.1.2 Test Bandwidth = 3

4.1.2.1.2.1 Test Channel = LCH

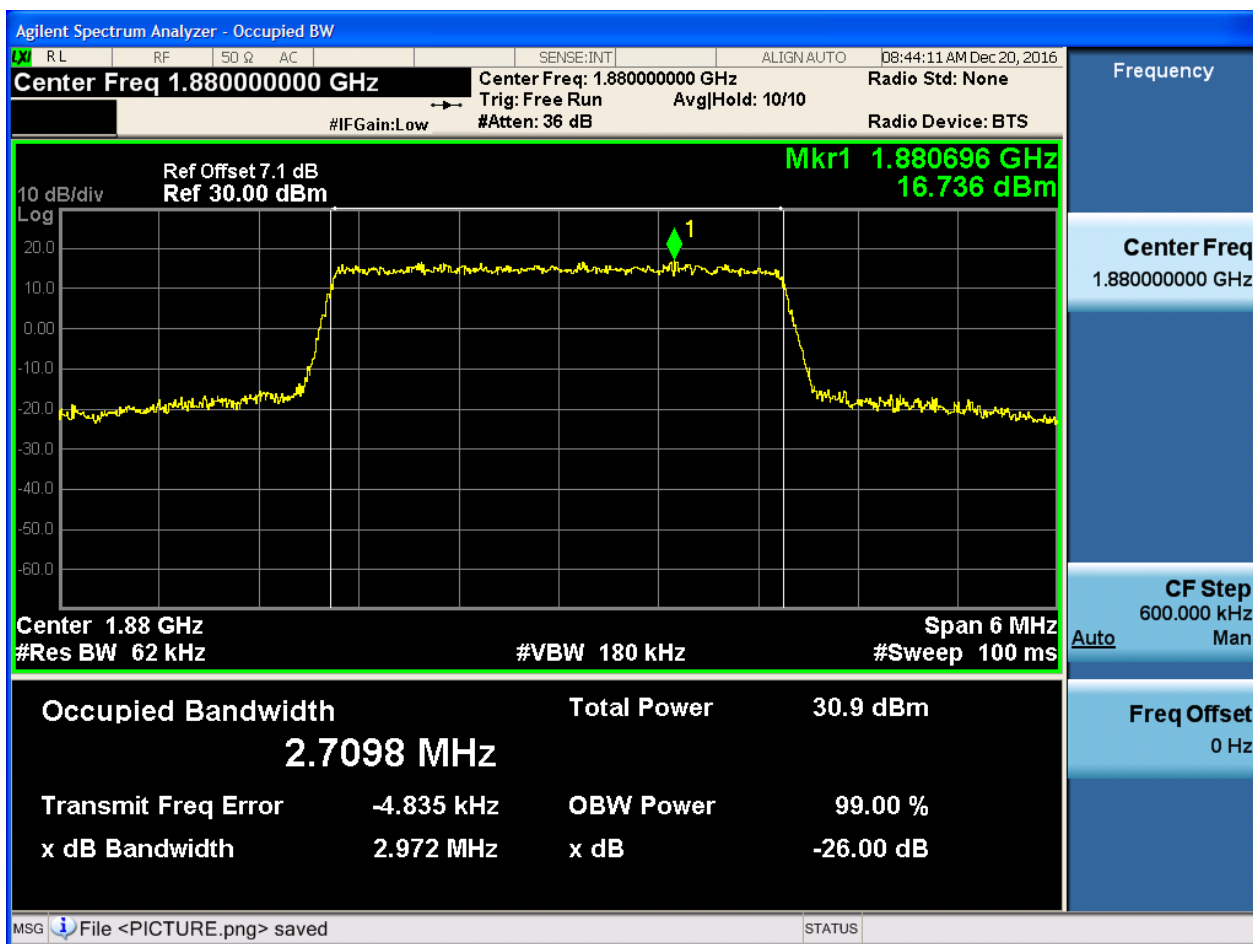
4.1.2.1.2.1.1 Test RB = RB15#0





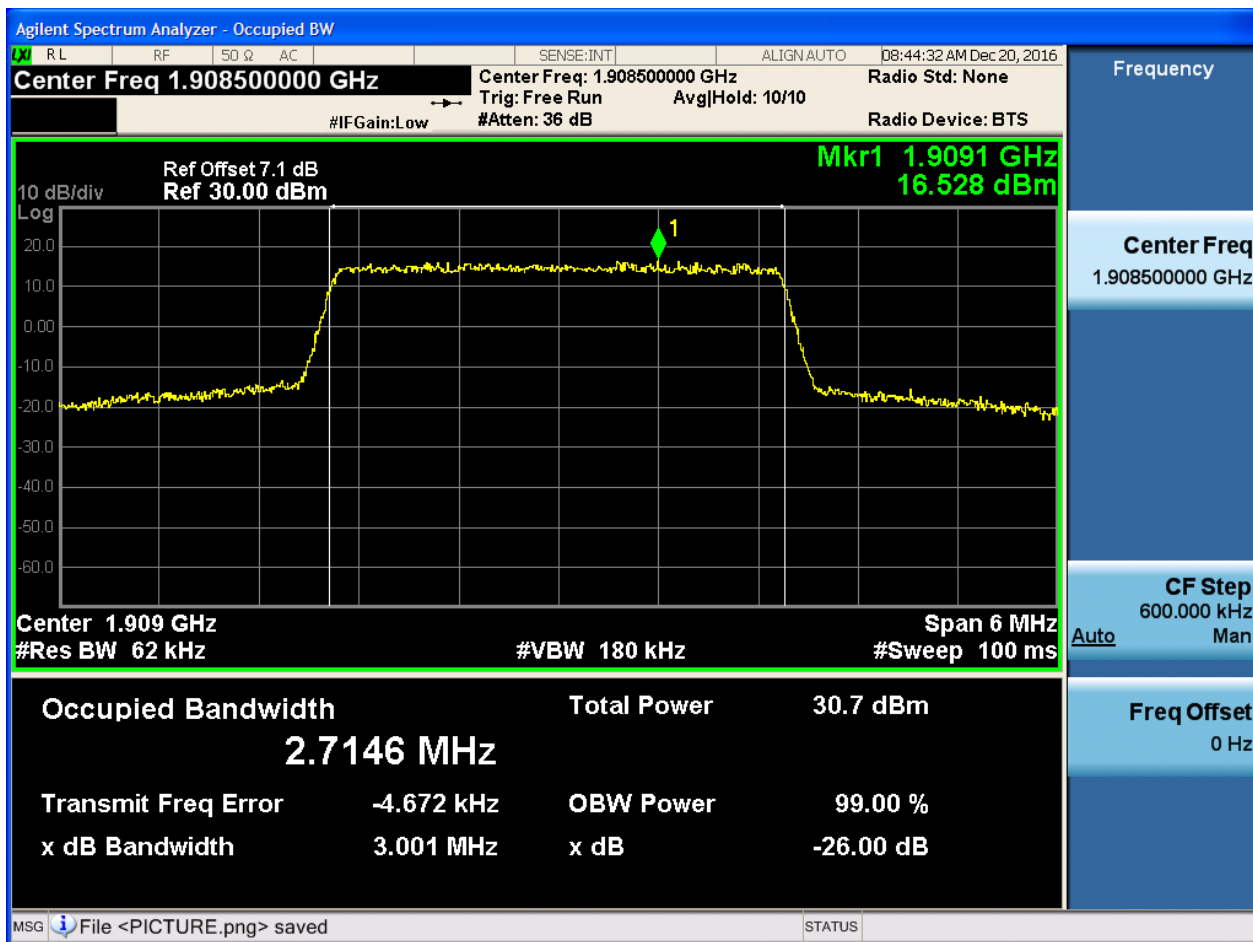
4.1.2.1.2.2 Test Channel = MCH

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

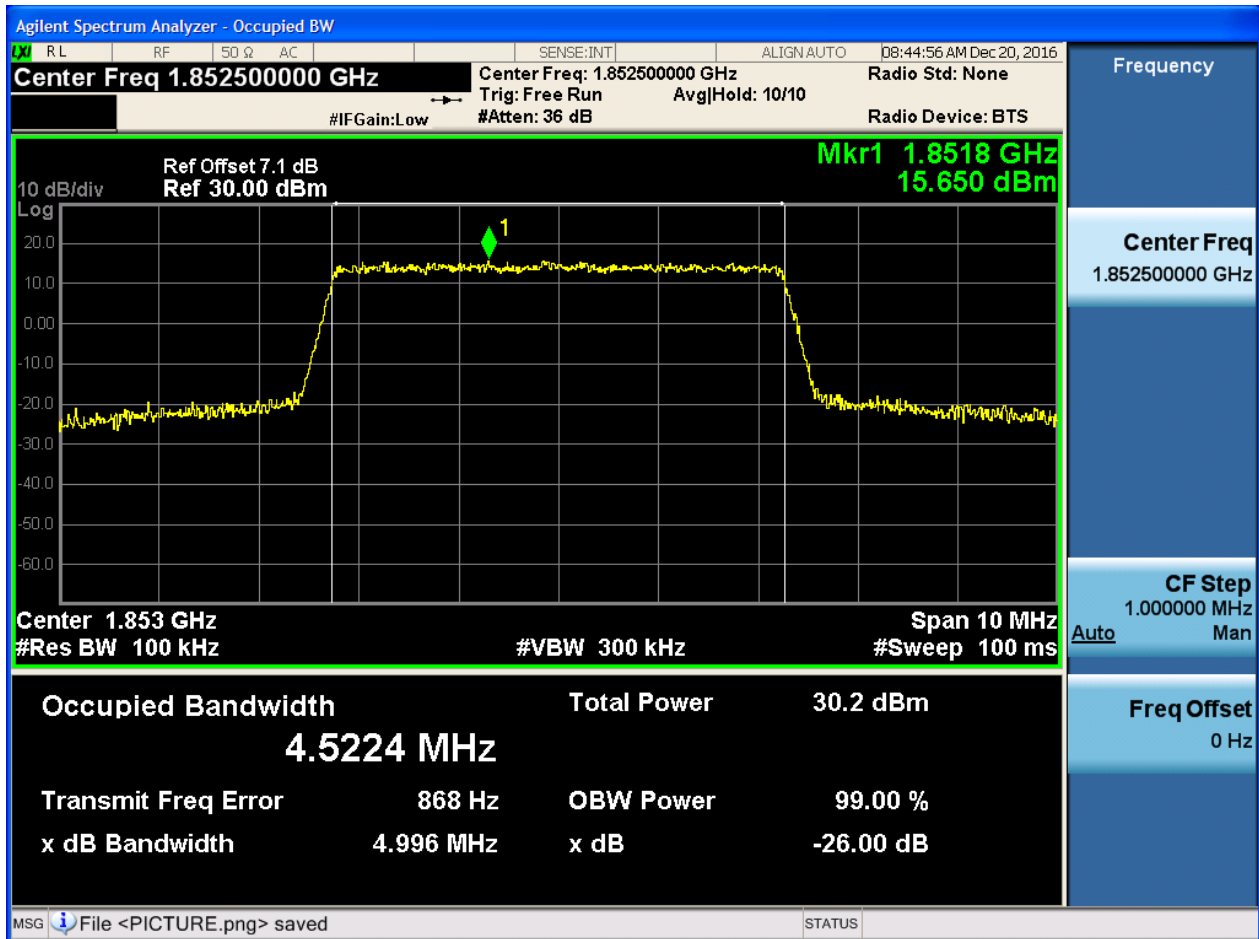




4.1.2.1.3 Test Bandwidth = 5

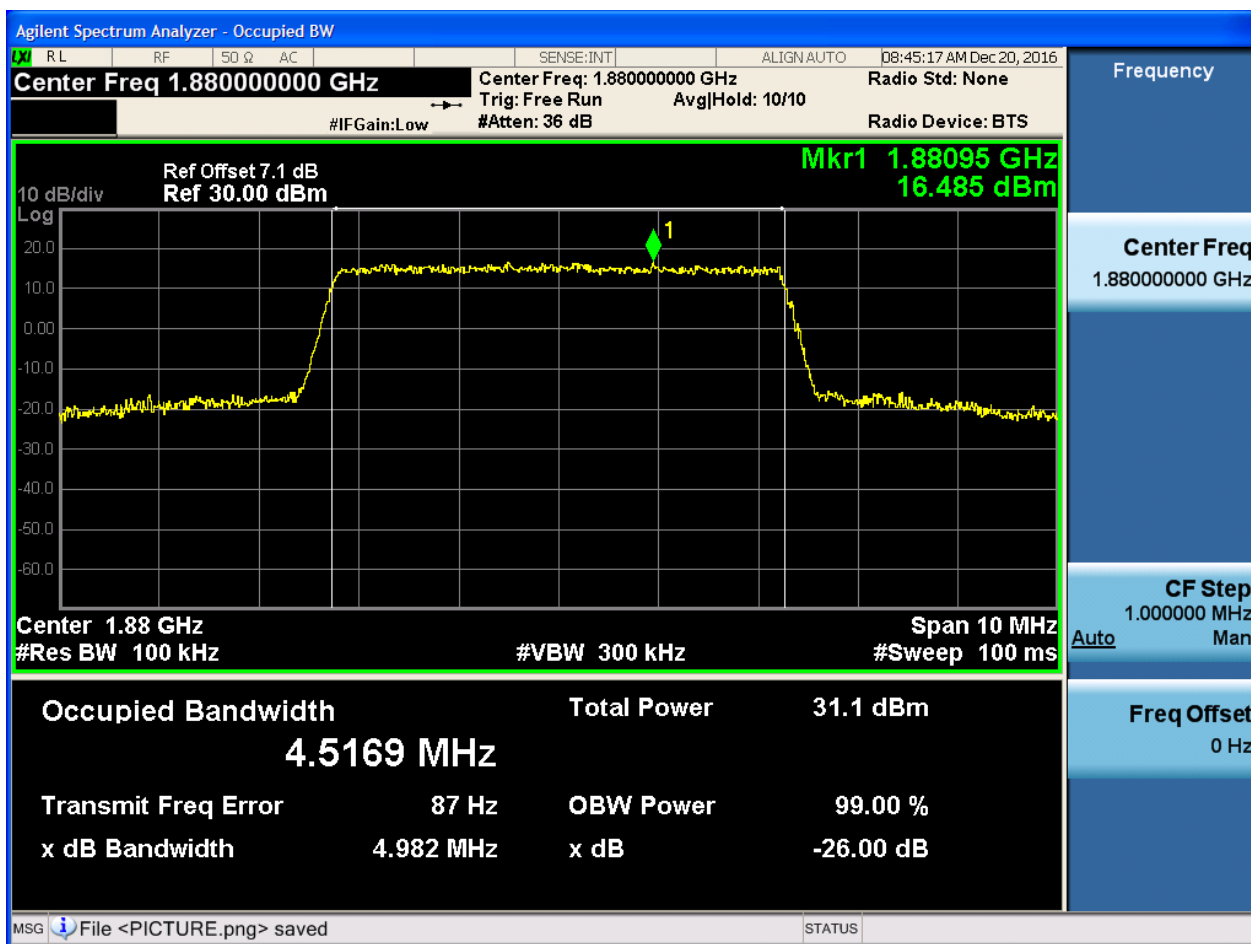
4.1.2.1.3.1 Test Channel = LCH

4.1.2.1.3.1.1 Test RB = RB25#0



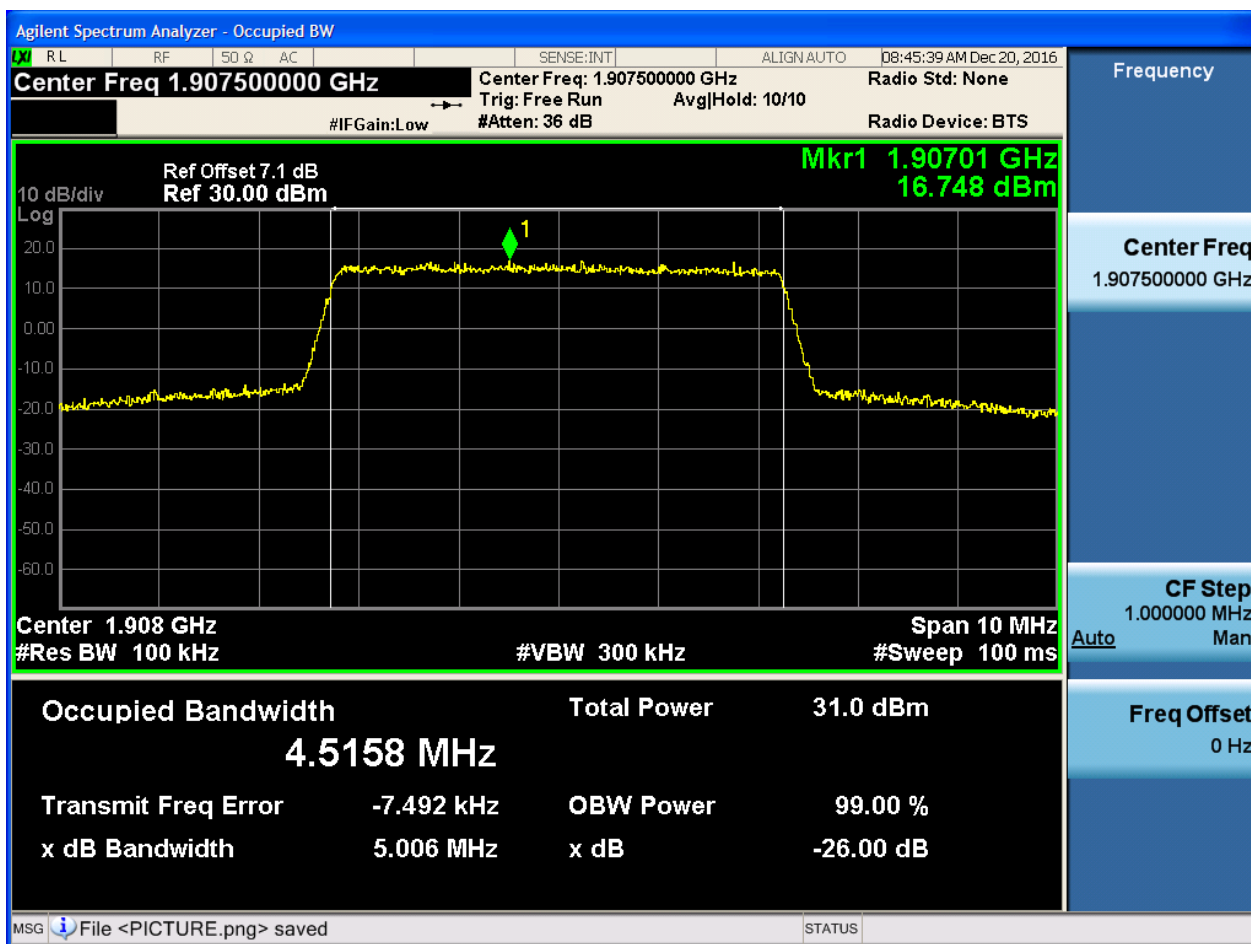
4.1.2.1.3.2 Test Channel = MCH

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

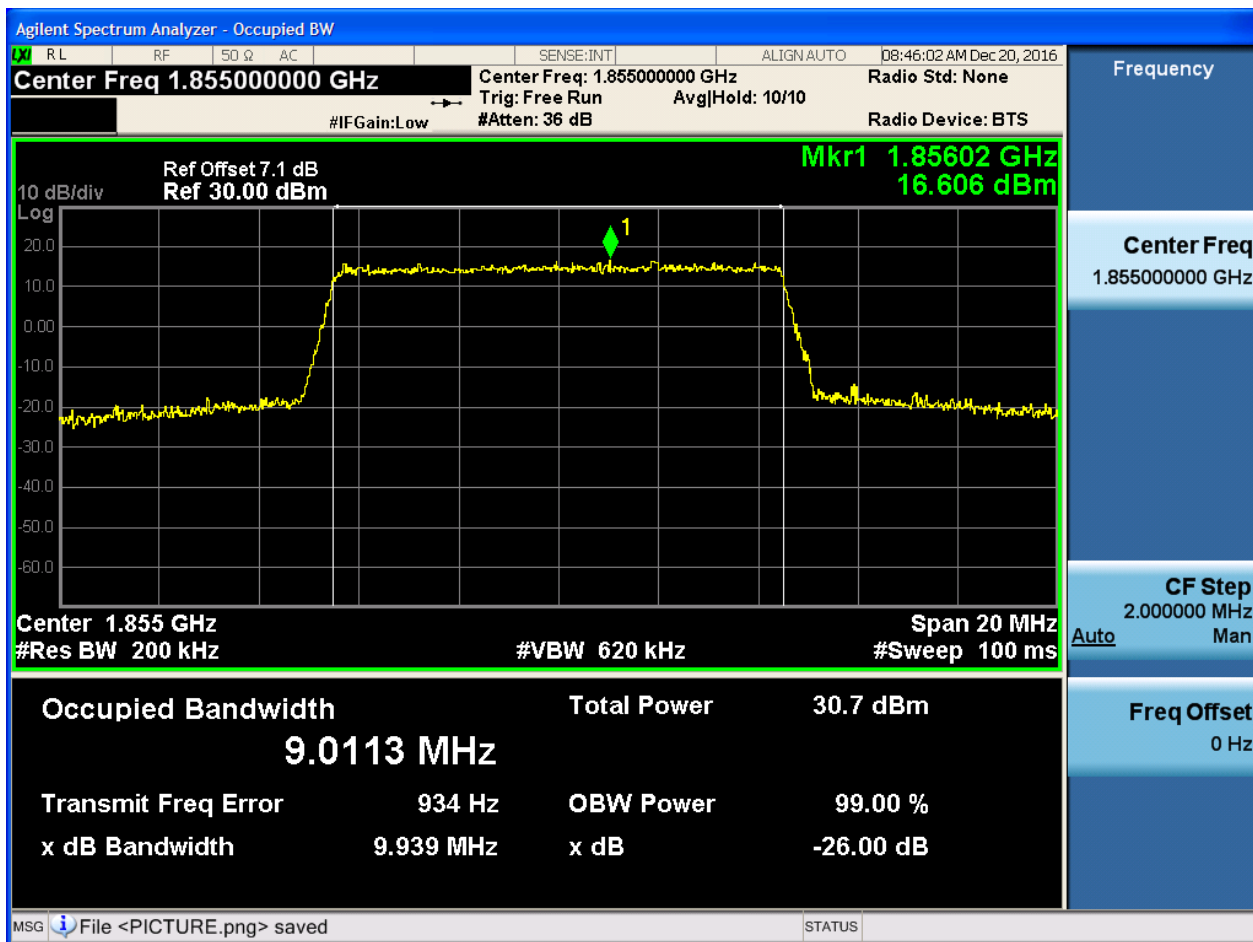




4.1.2.1.4 Test Bandwidth = 10

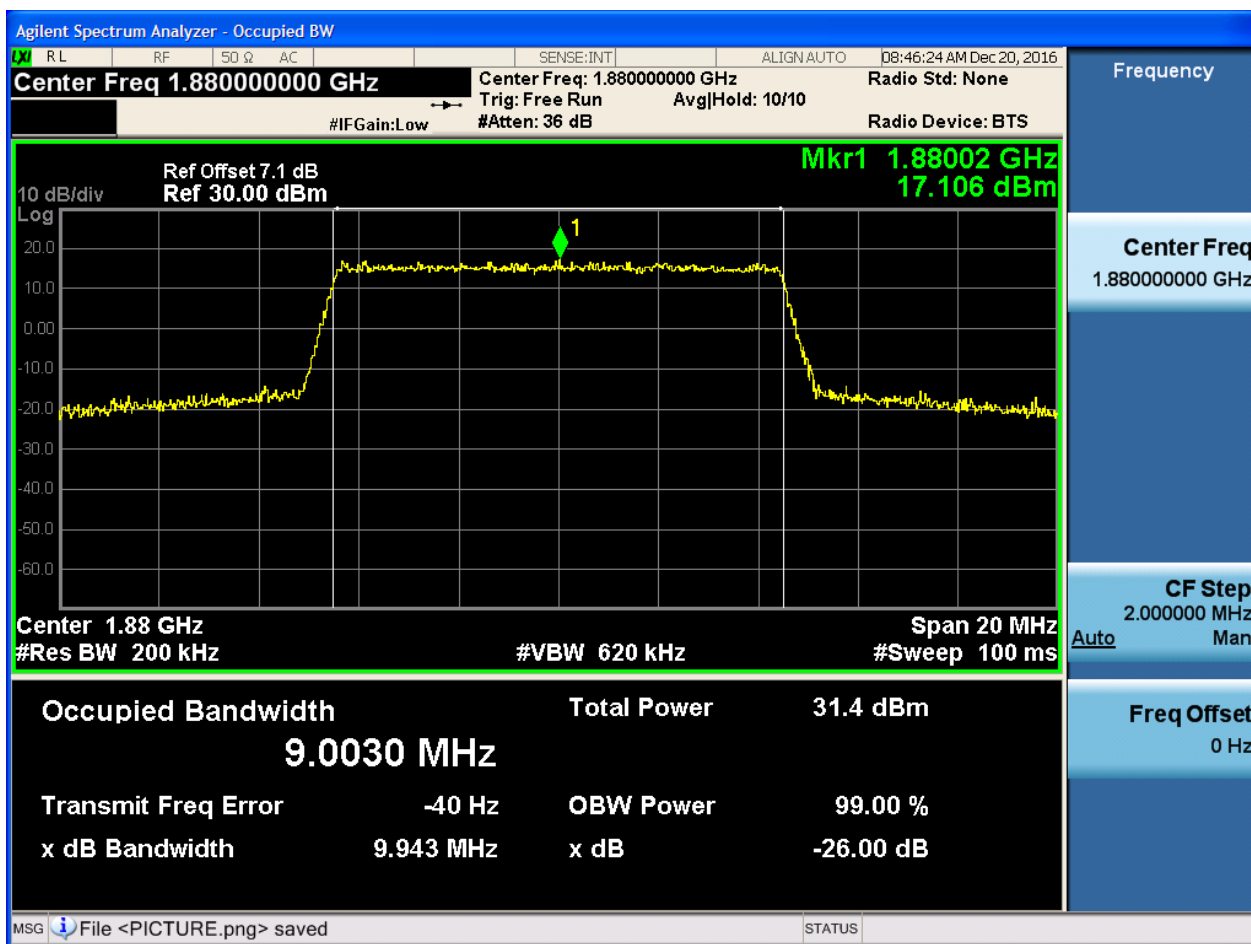
4.1.2.1.4.1 Test Channel = LCH

4.1.2.1.4.1.1 Test RB = RB50#0



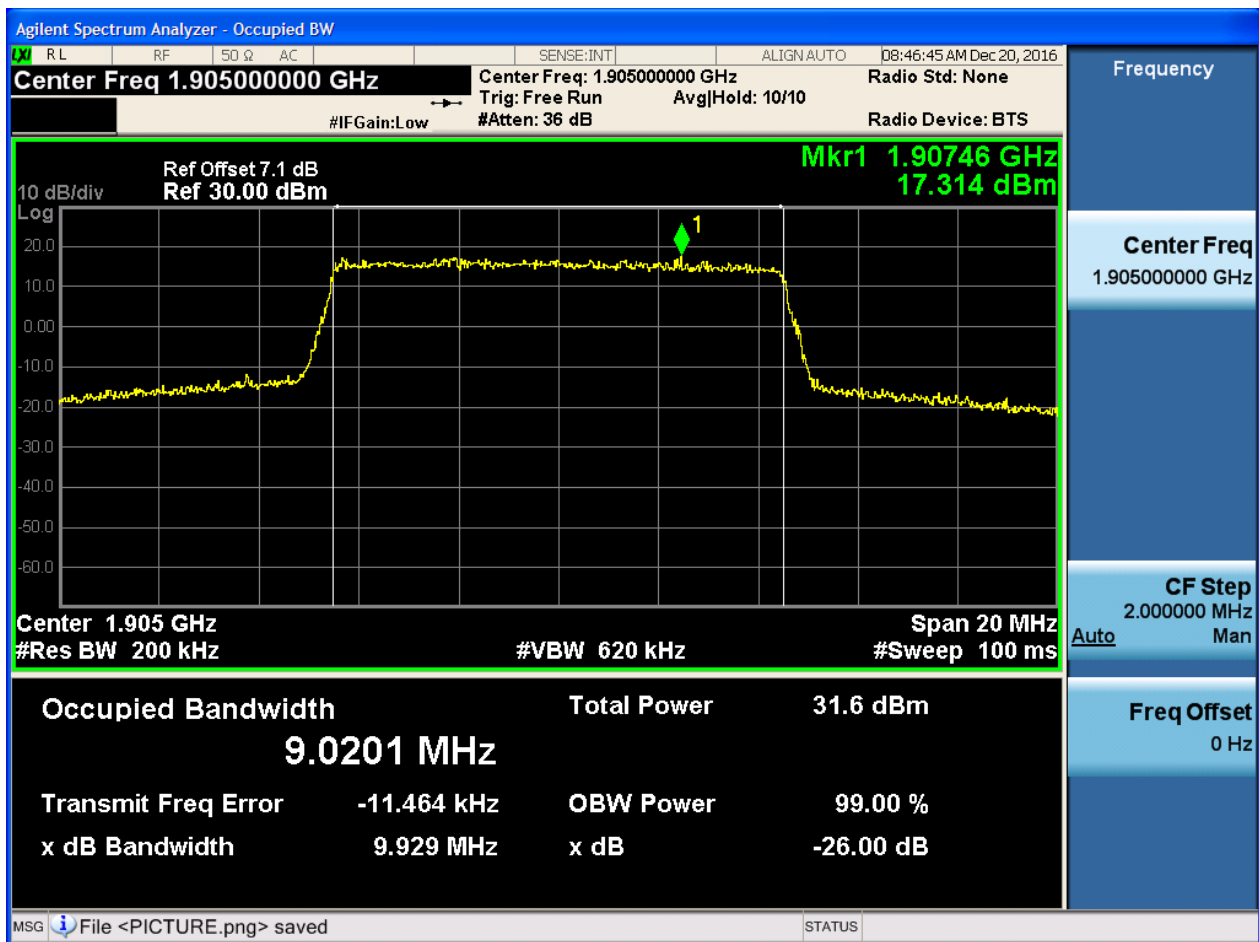
4.1.2.1.4.2 Test Channel = MCH

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

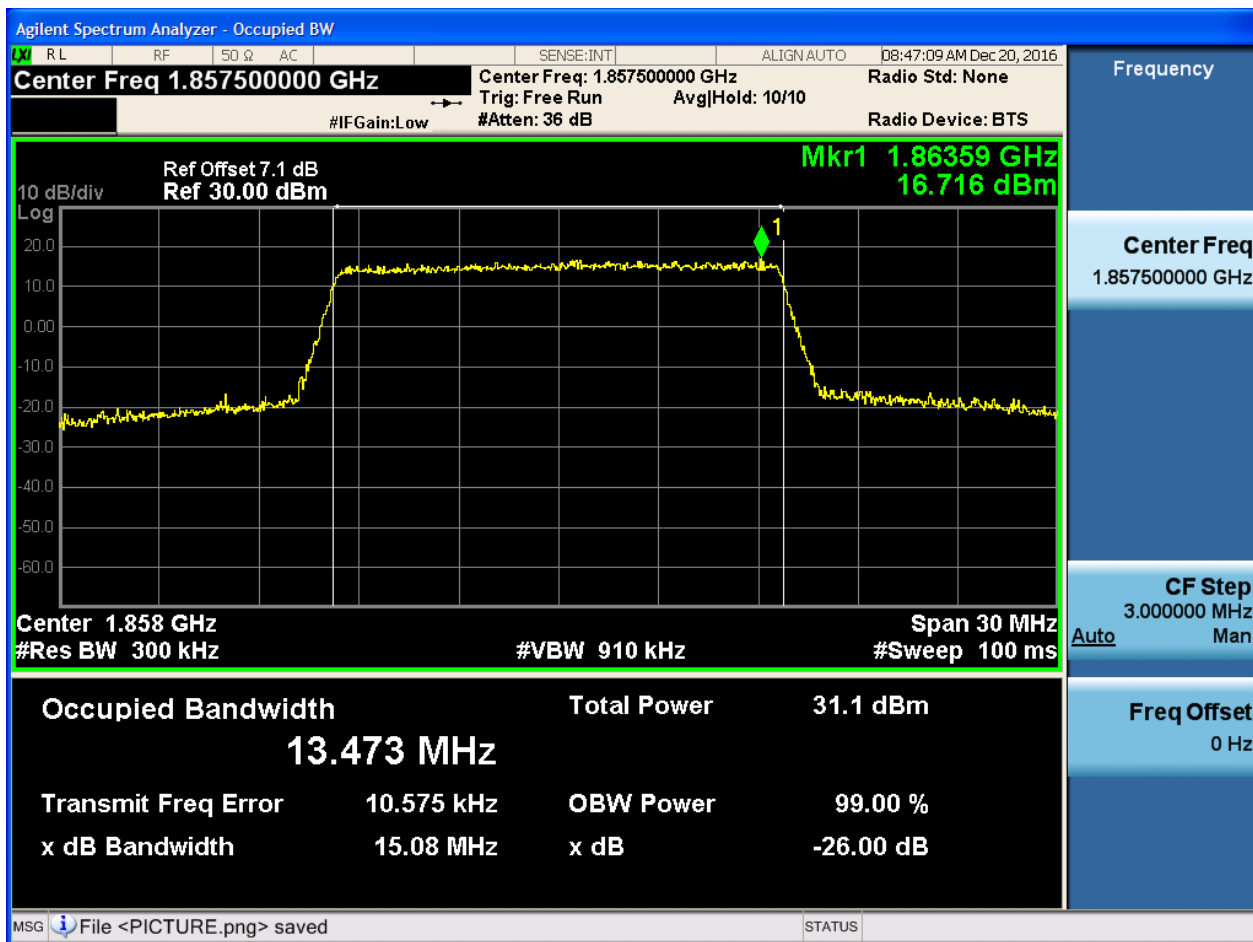




4.1.2.1.5 Test Bandwidth = 15

4.1.2.1.5.1 Test Channel = LCH

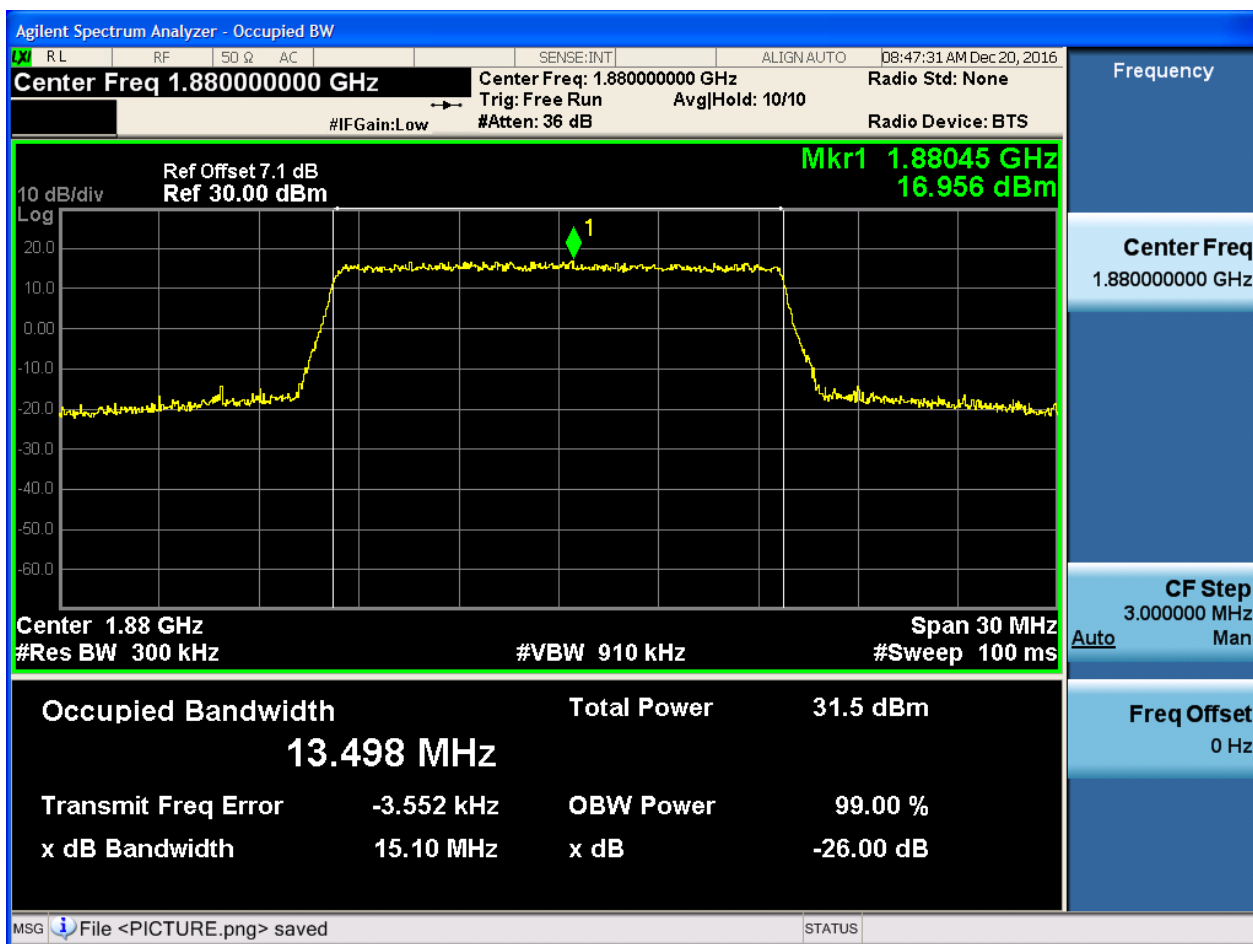
4.1.2.1.5.1.1 Test RB = RB75#0





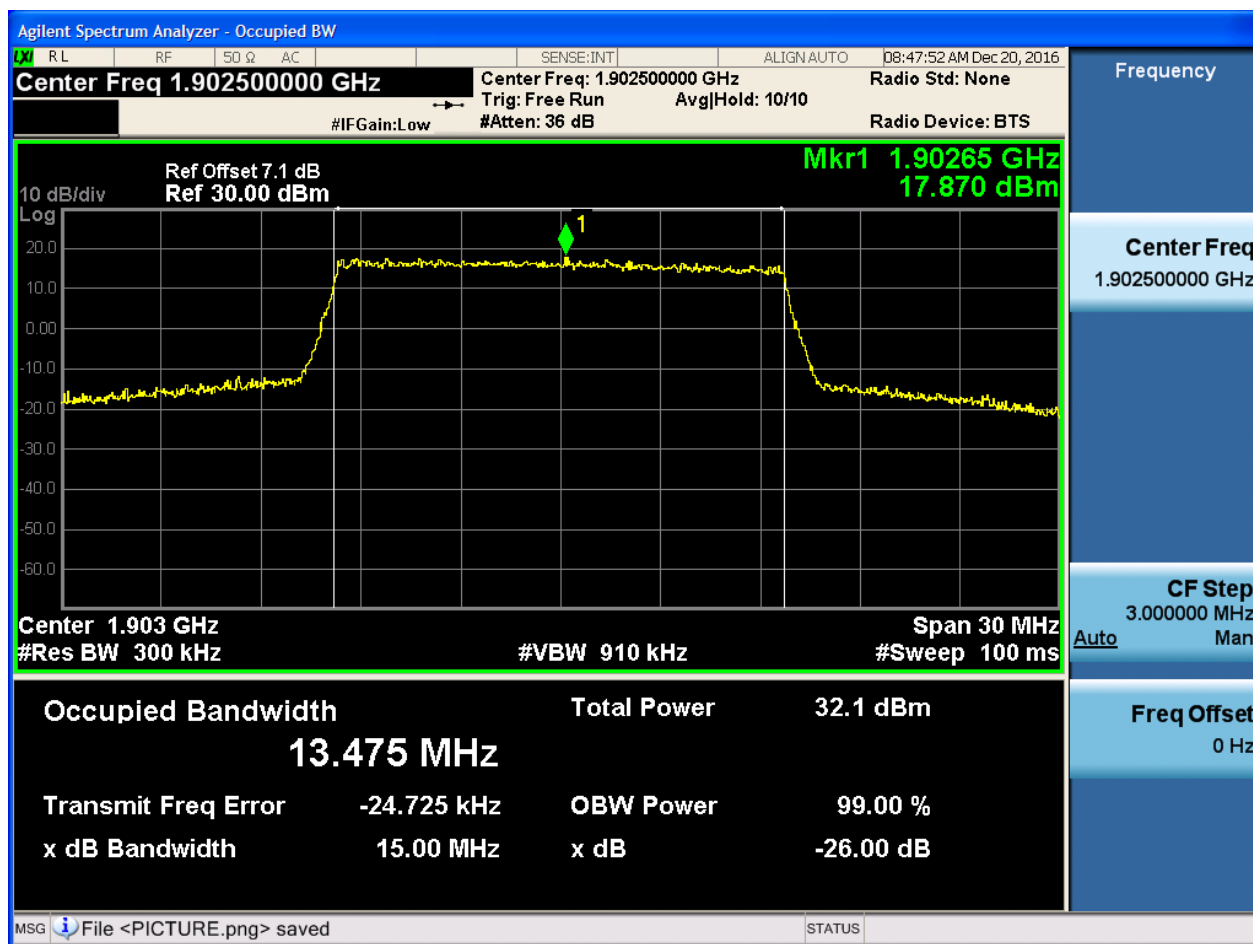
4.1.2.1.5.2 Test Channel = MCH

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

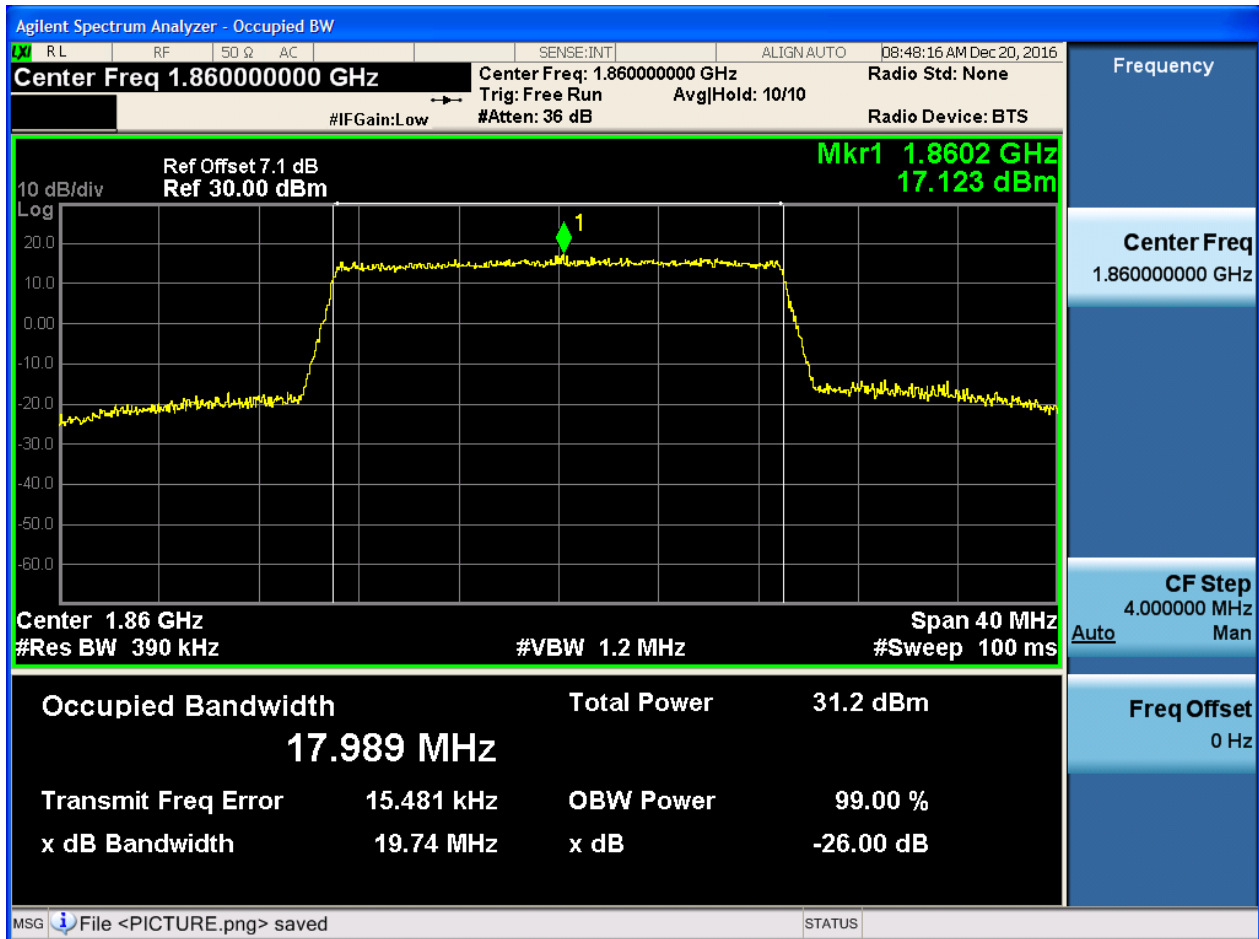




4.1.2.1.6 Test Bandwidth = 20

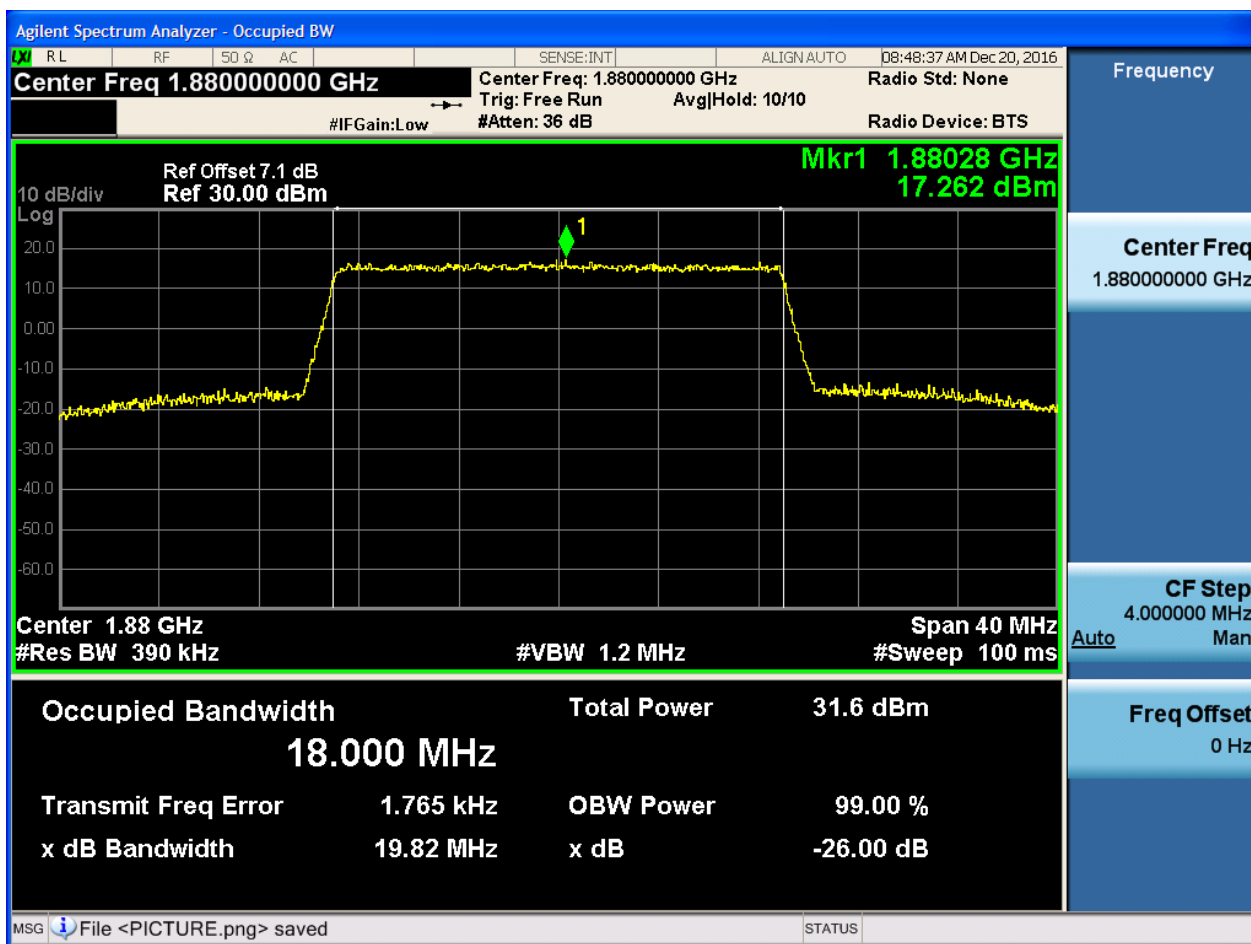
4.1.2.1.6.1 Test Channel = LCH

4.1.2.1.6.1.1 Test RB = RB100#0



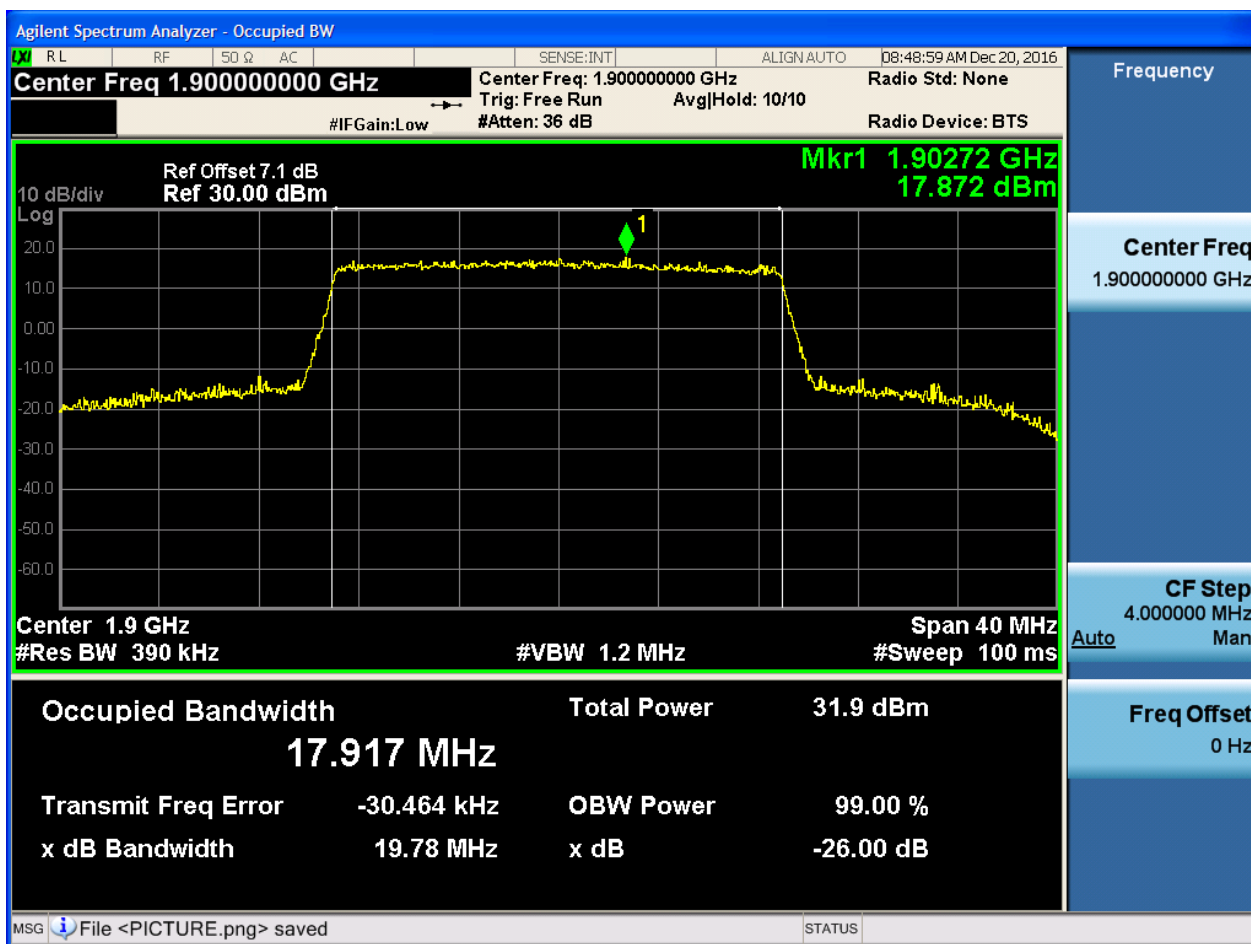
4.1.2.1.6.2 Test Channel = MCH

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



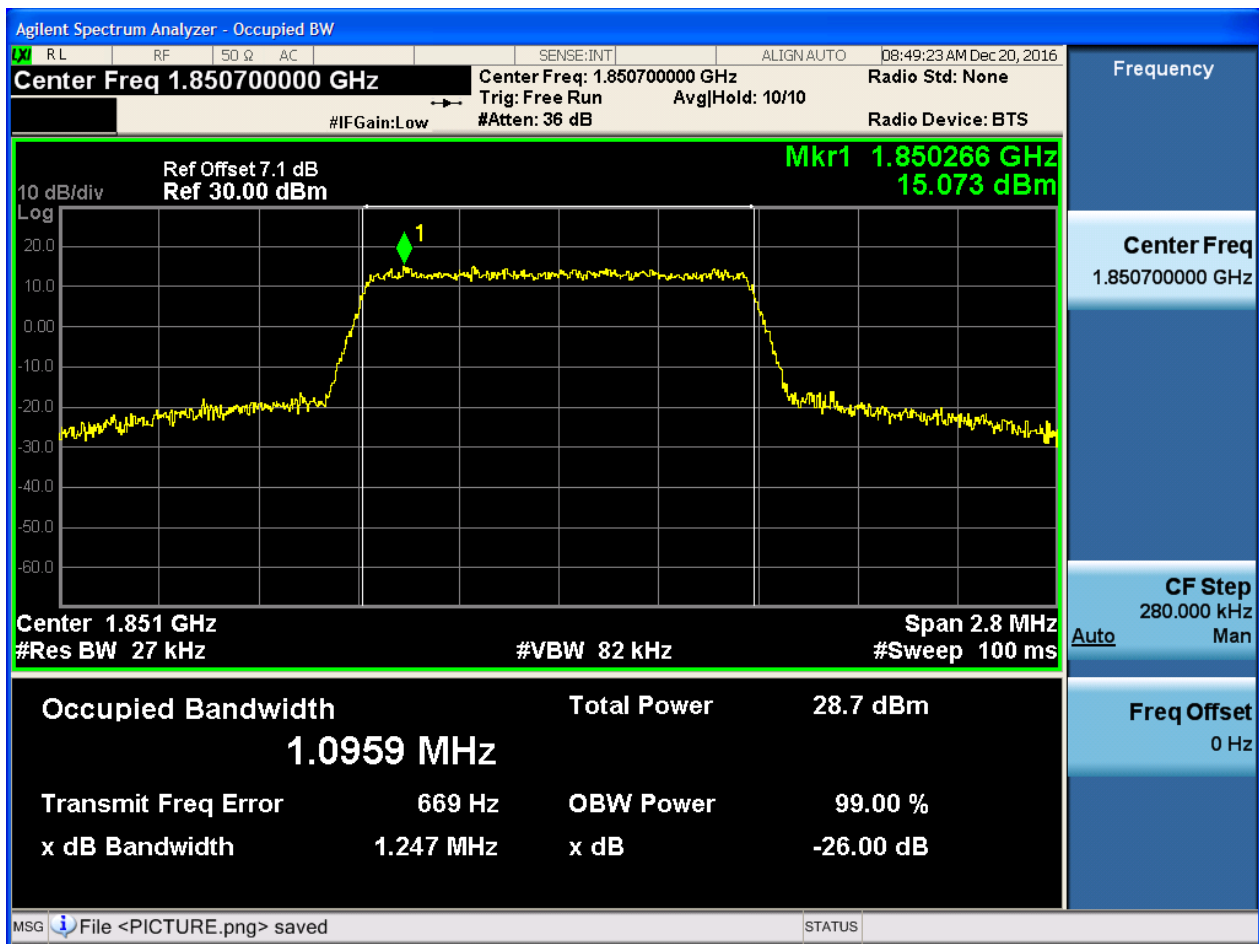


4.1.2.2 Test Mode = LTE/TM2

4.1.2.2.1 Test Bandwidth = 1.4

4.1.2.2.1.1 Test Channel = LCH

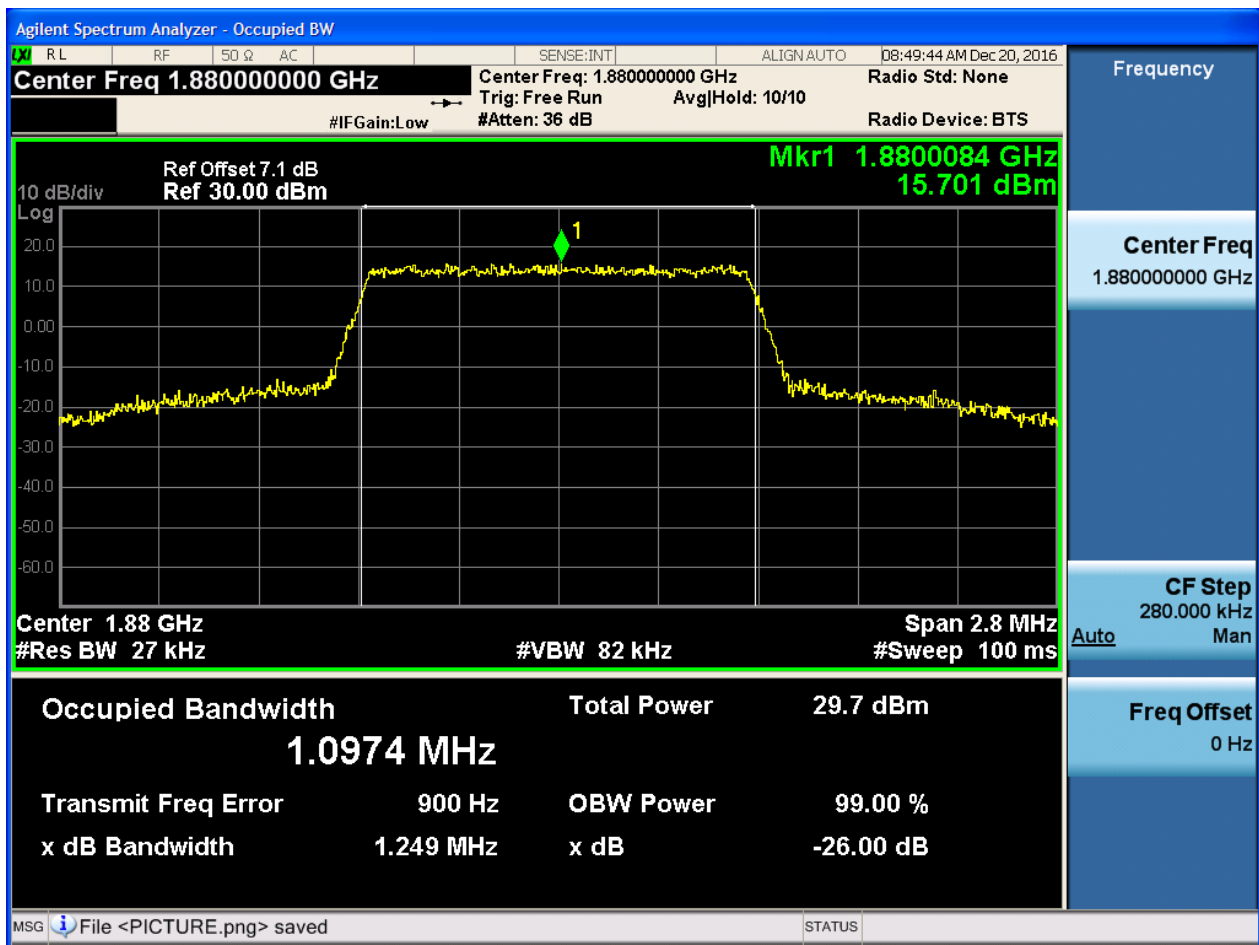
4.1.2.2.1.1.1 Test RB = RB6#0





4.1.2.2.1.2 Test Channel = MCH

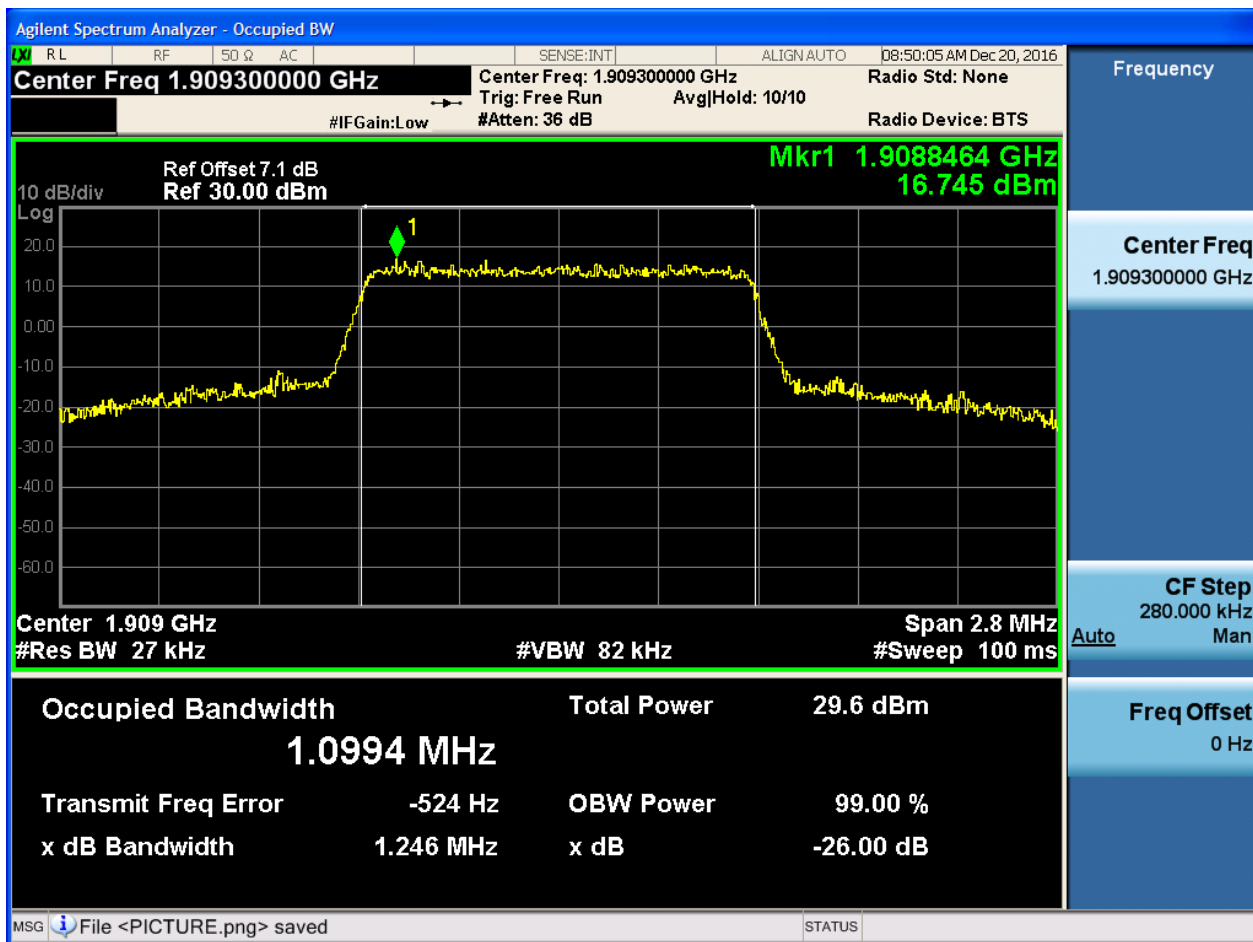
4.1.2.2.1.2.1 Test RB = RB6#0





4.1.2.2.1.3 Test Channel = HCH

4.1.2.2.1.3.1 Test RB = RB6#0

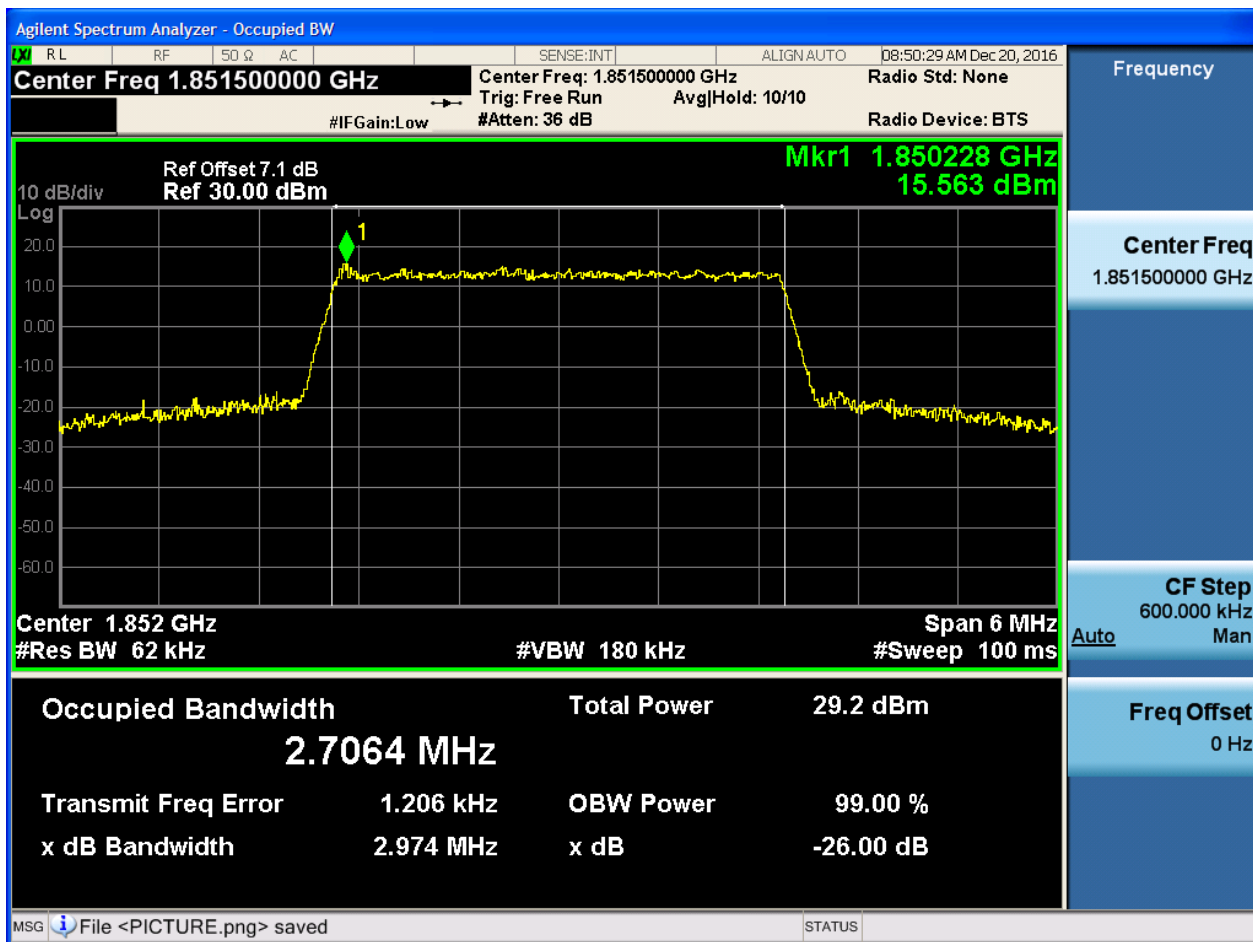




4.1.2.2.2 Test Bandwidth = 3

4.1.2.2.2.1 Test Channel = LCH

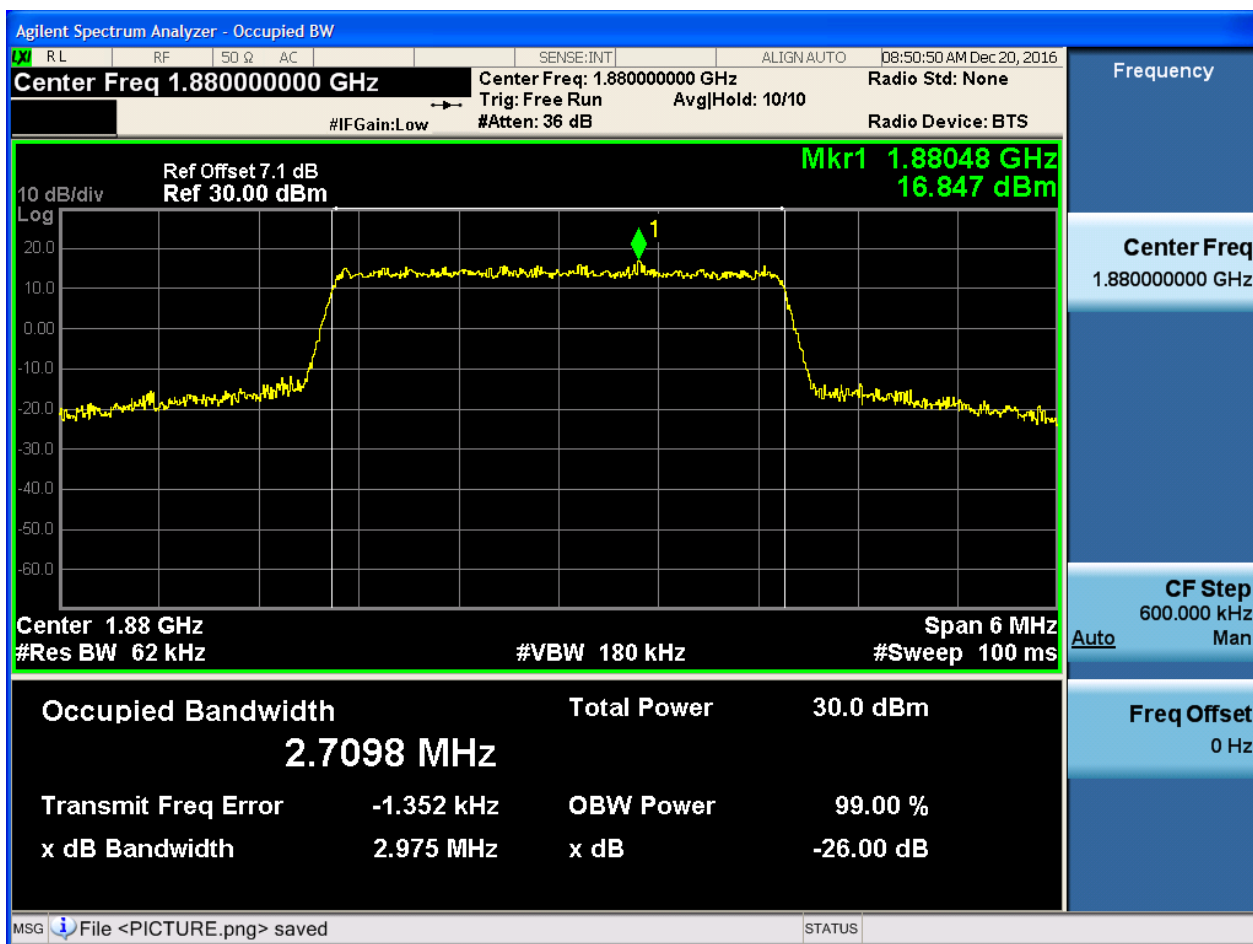
4.1.2.2.2.1.1 Test RB = RB15#0





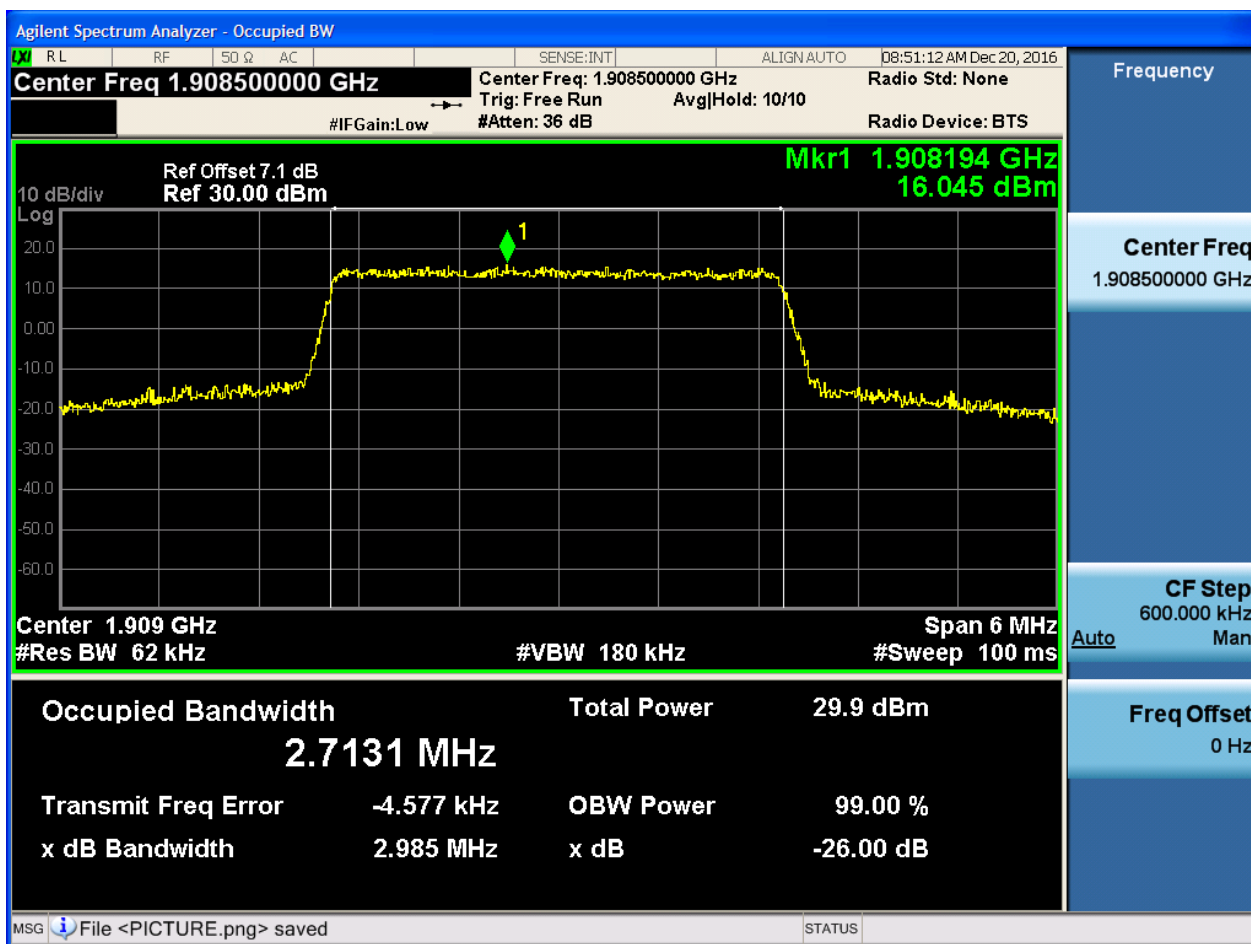
4.1.2.2.2 Test Channel = MCH

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

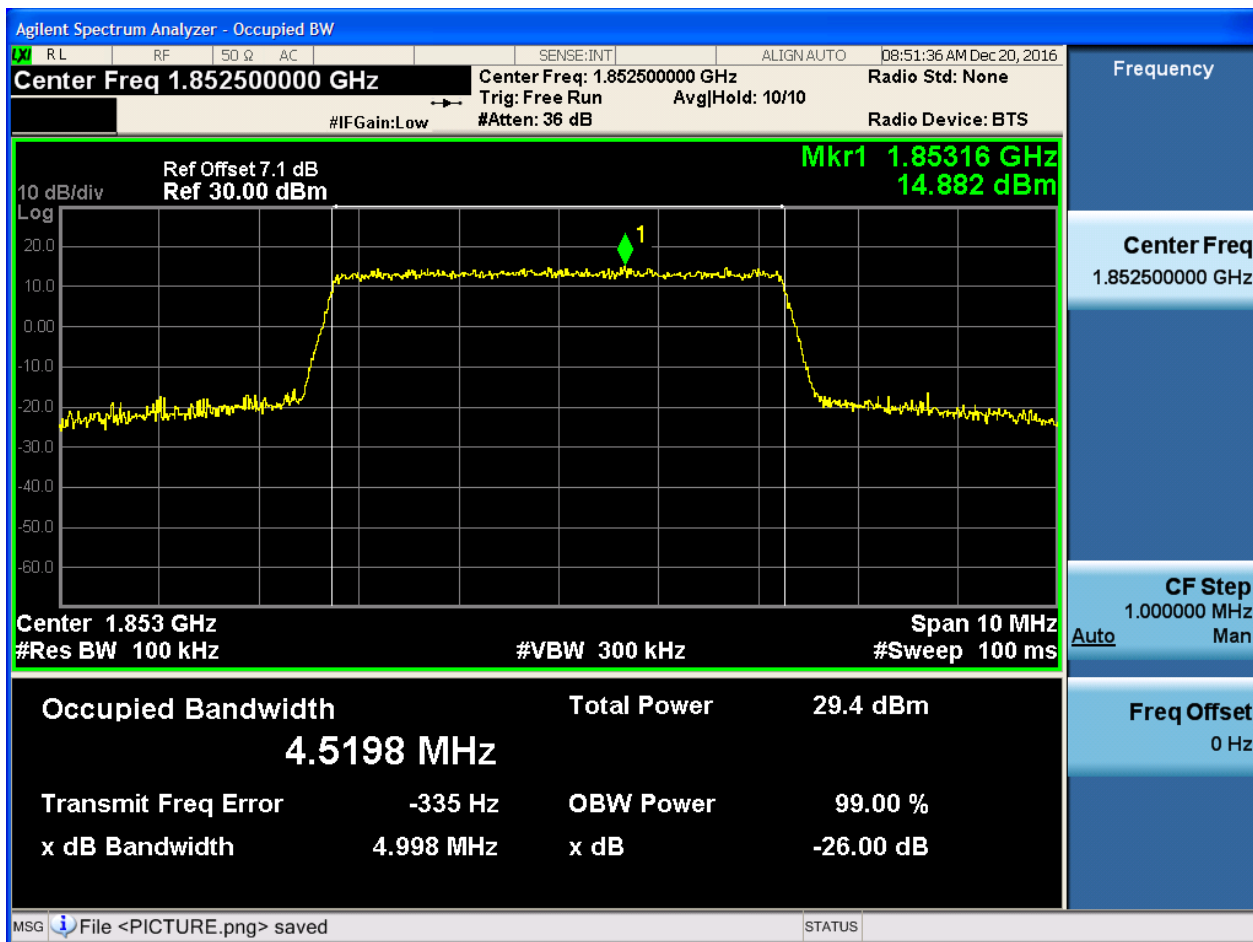




4.1.2.2.3 Test Bandwidth = 5

4.1.2.2.3.1 Test Channel = LCH

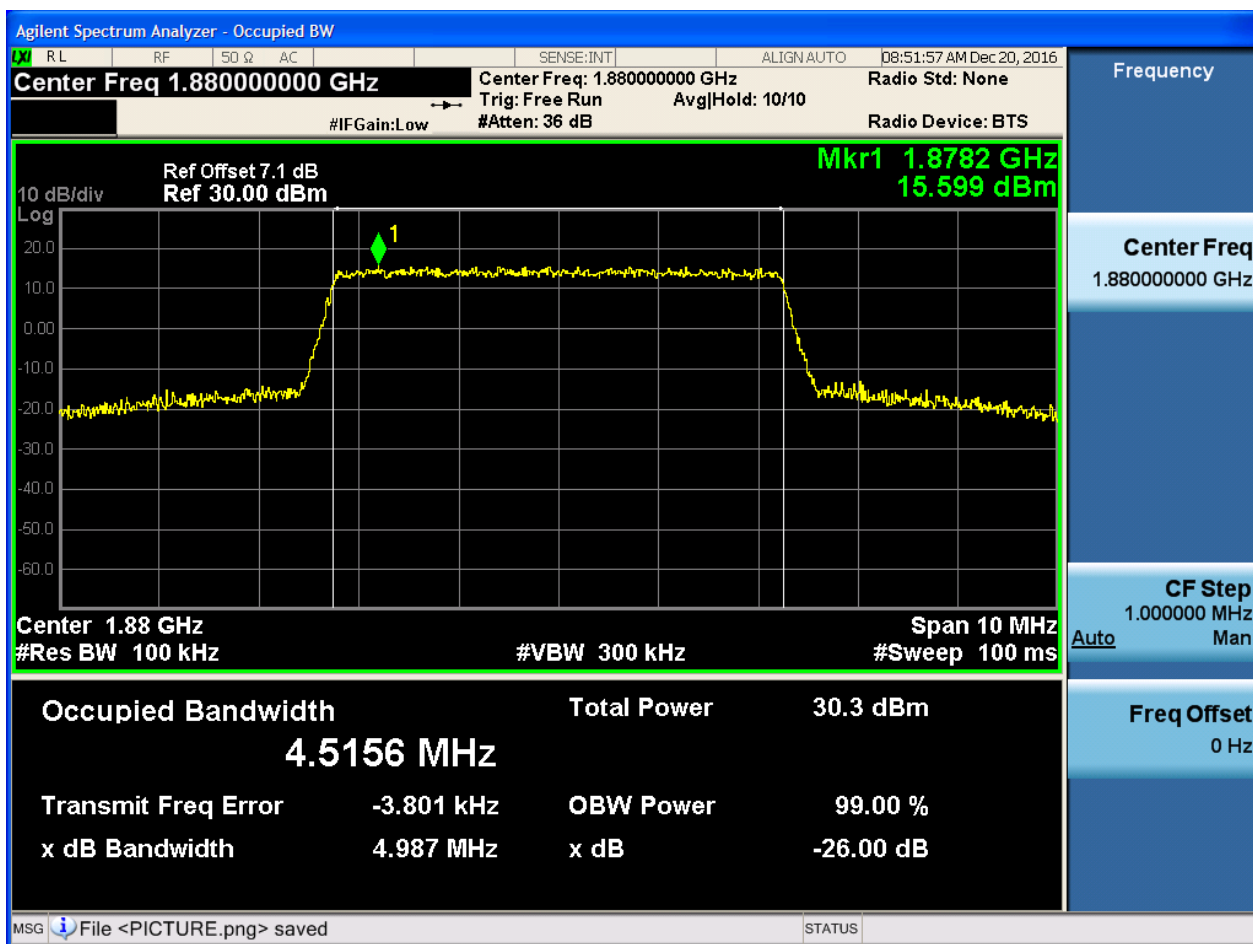
4.1.2.2.3.1.1 Test RB = RB25#0





4.1.2.2.3.2 Test Channel = MCH

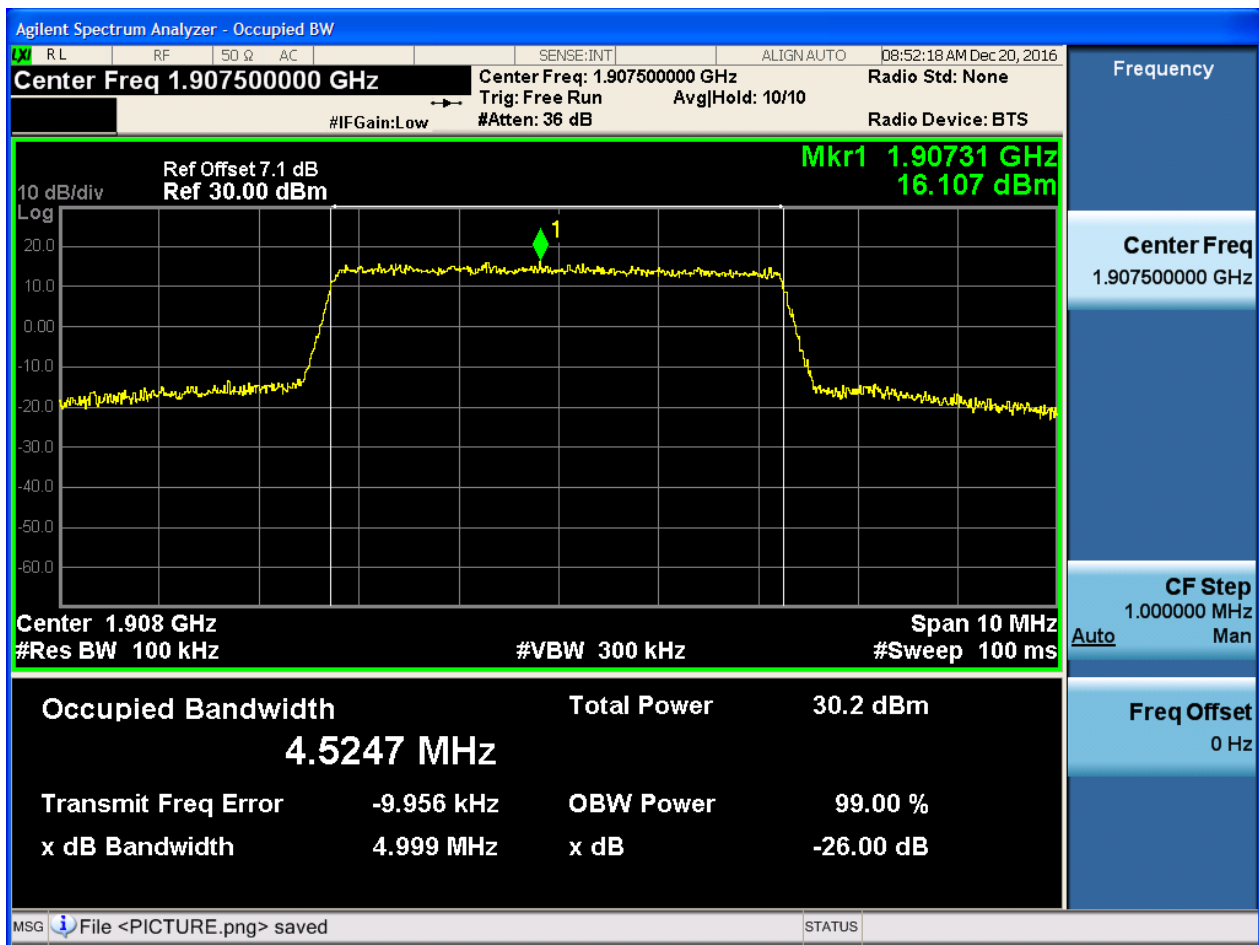
4.1.2.2.3.2.1 Test RB = RB25#0





4.1.2.2.3.3 Test Channel = HCH

4.1.2.2.3.3.1 Test RB = RB25#0

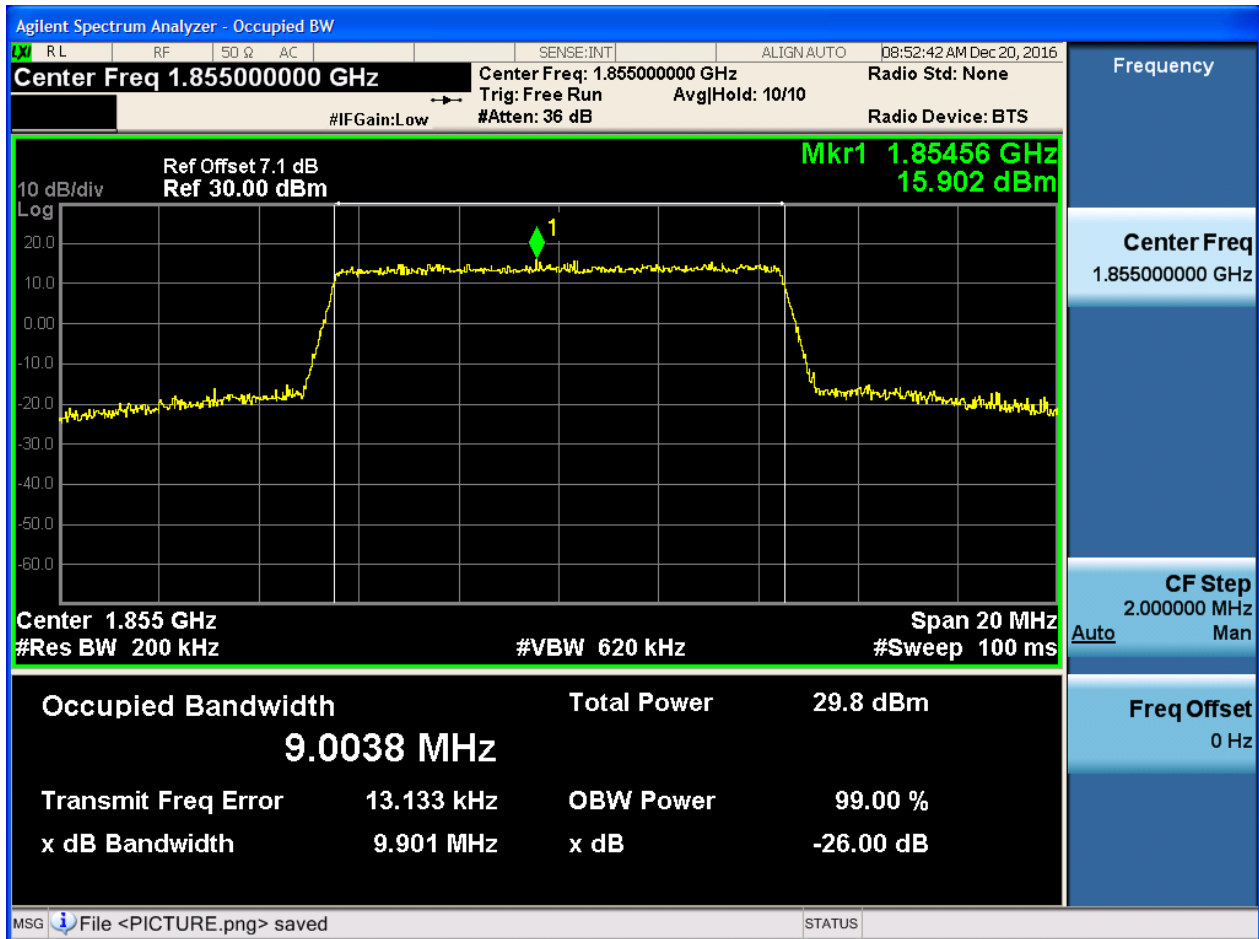




4.1.2.2.4 Test Bandwidth = 10

4.1.2.2.4.1 Test Channel = LCH

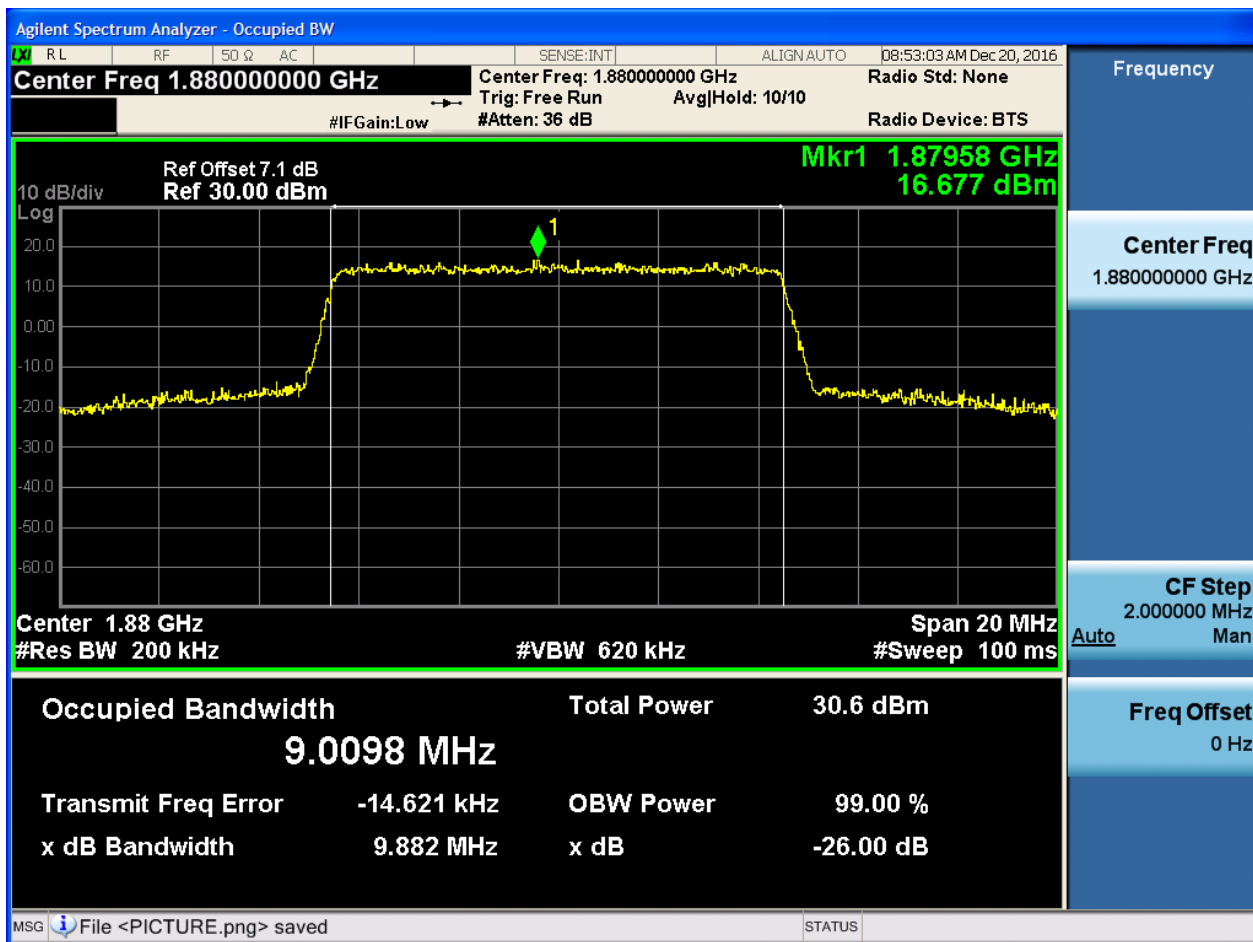
4.1.2.2.4.1.1 Test RB = RB50#0





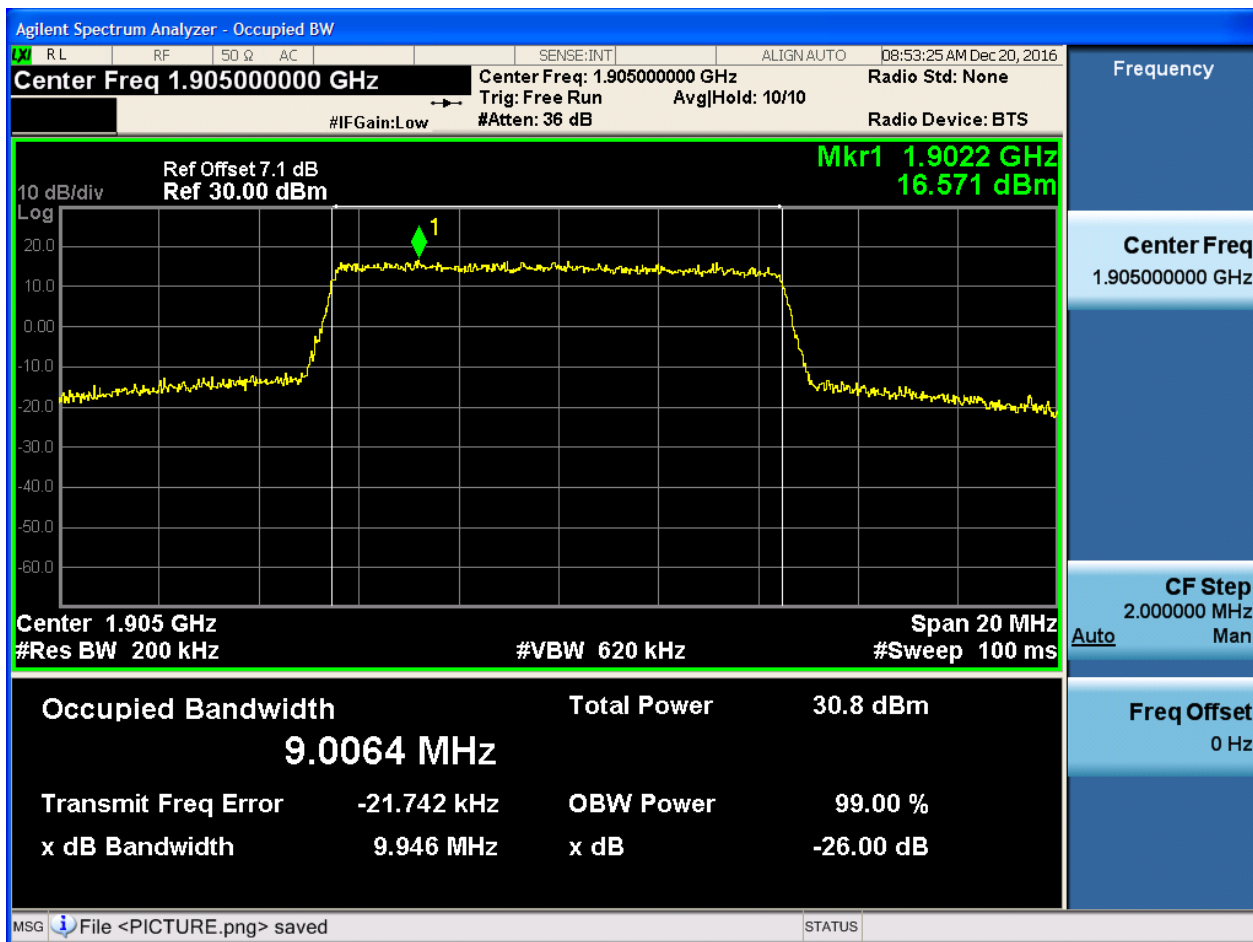
4.1.2.2.4.2 Test Channel = MCH

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

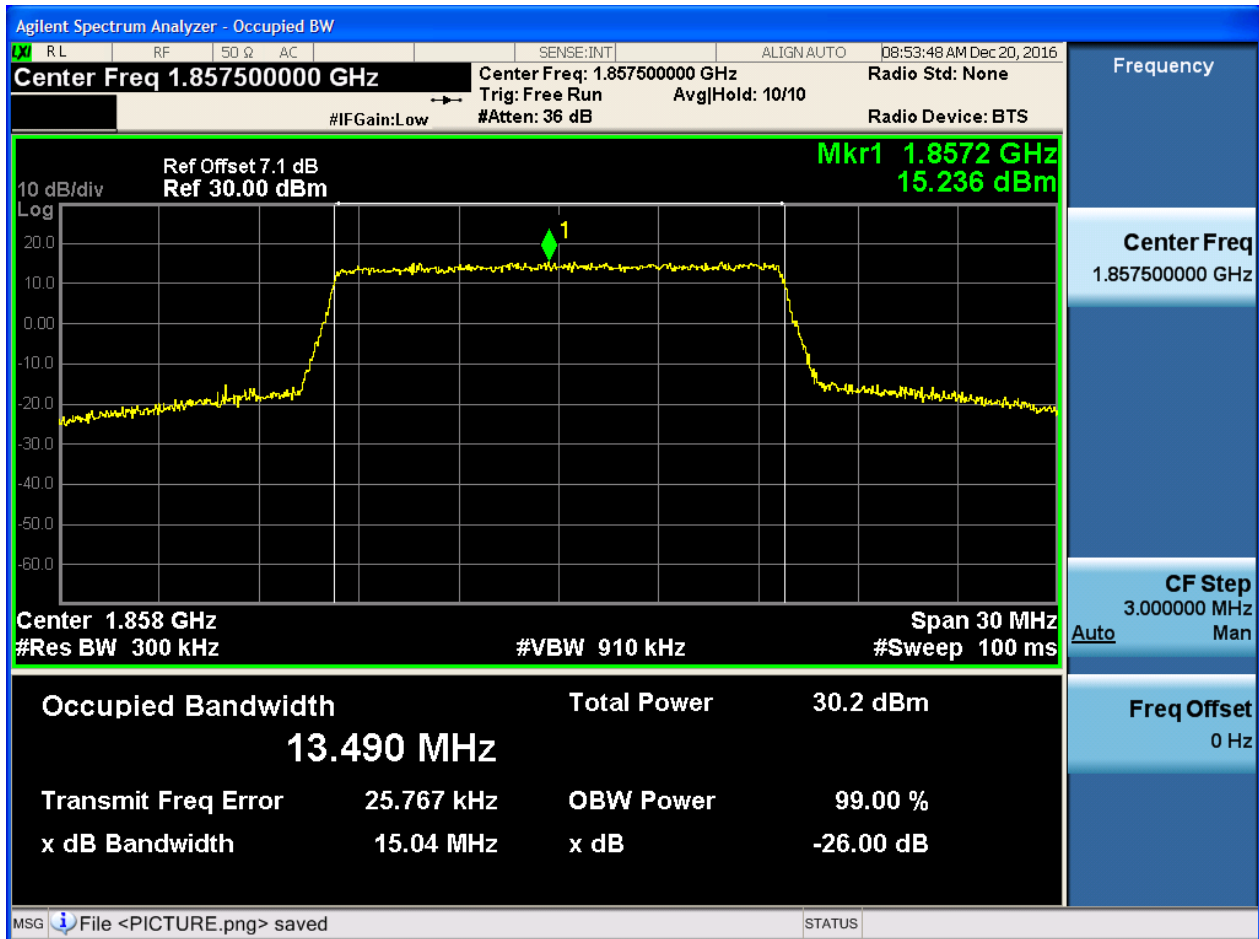




4.1.2.2.5 Test Bandwidth = 15

4.1.2.2.5.1 Test Channel = LCH

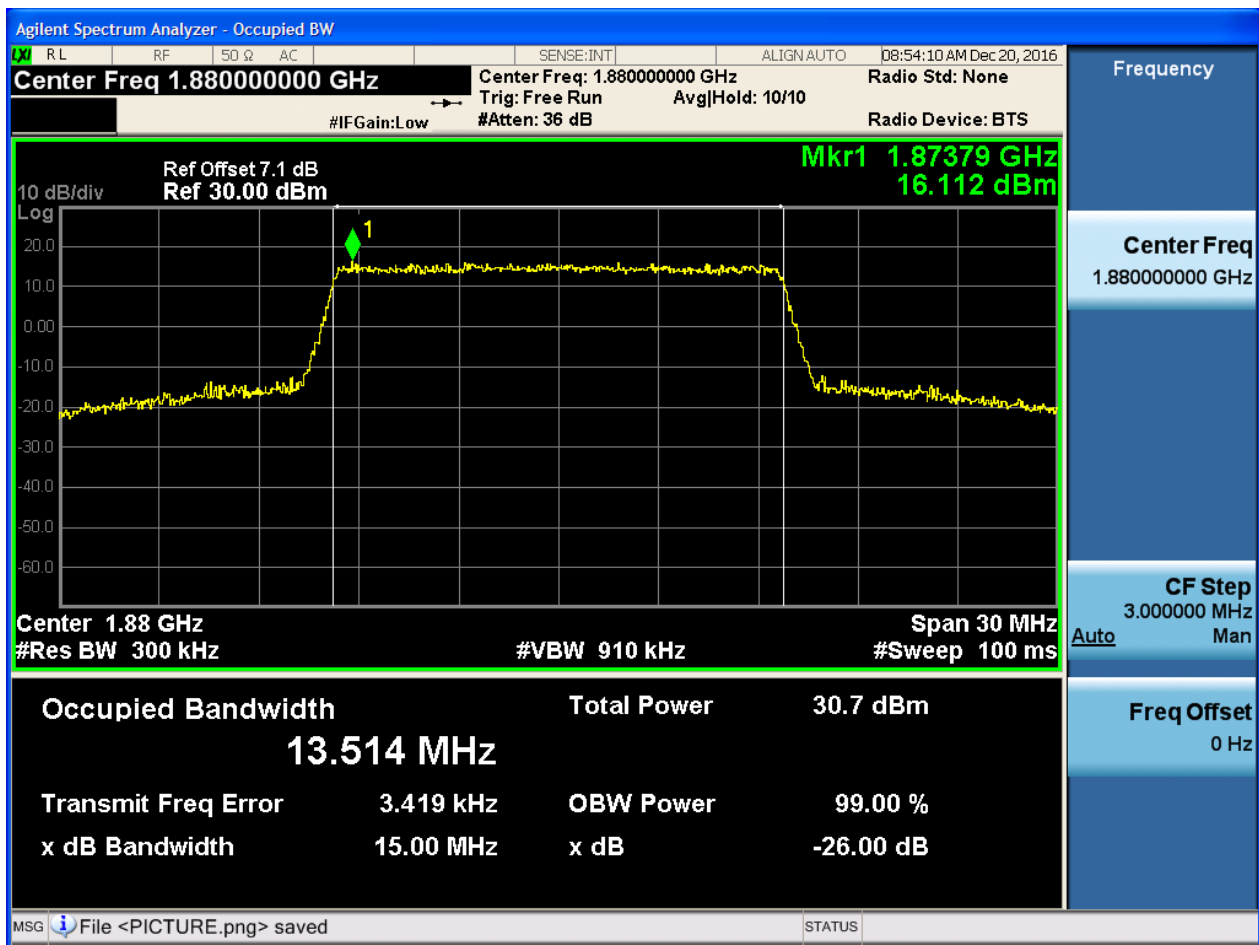
4.1.2.2.5.1.1 Test RB = RB75#0





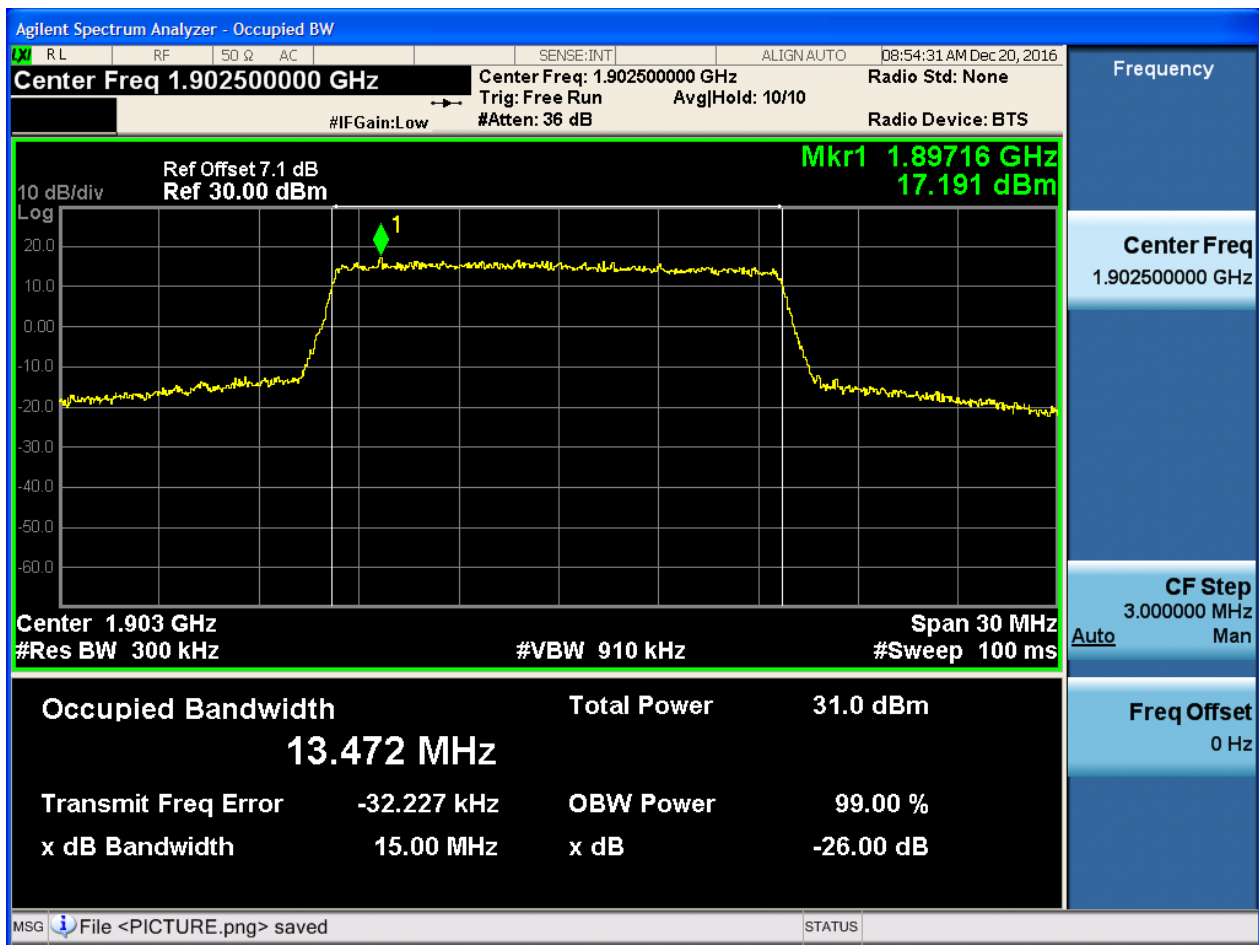
4.1.2.2.5.2 Test Channel = MCH

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

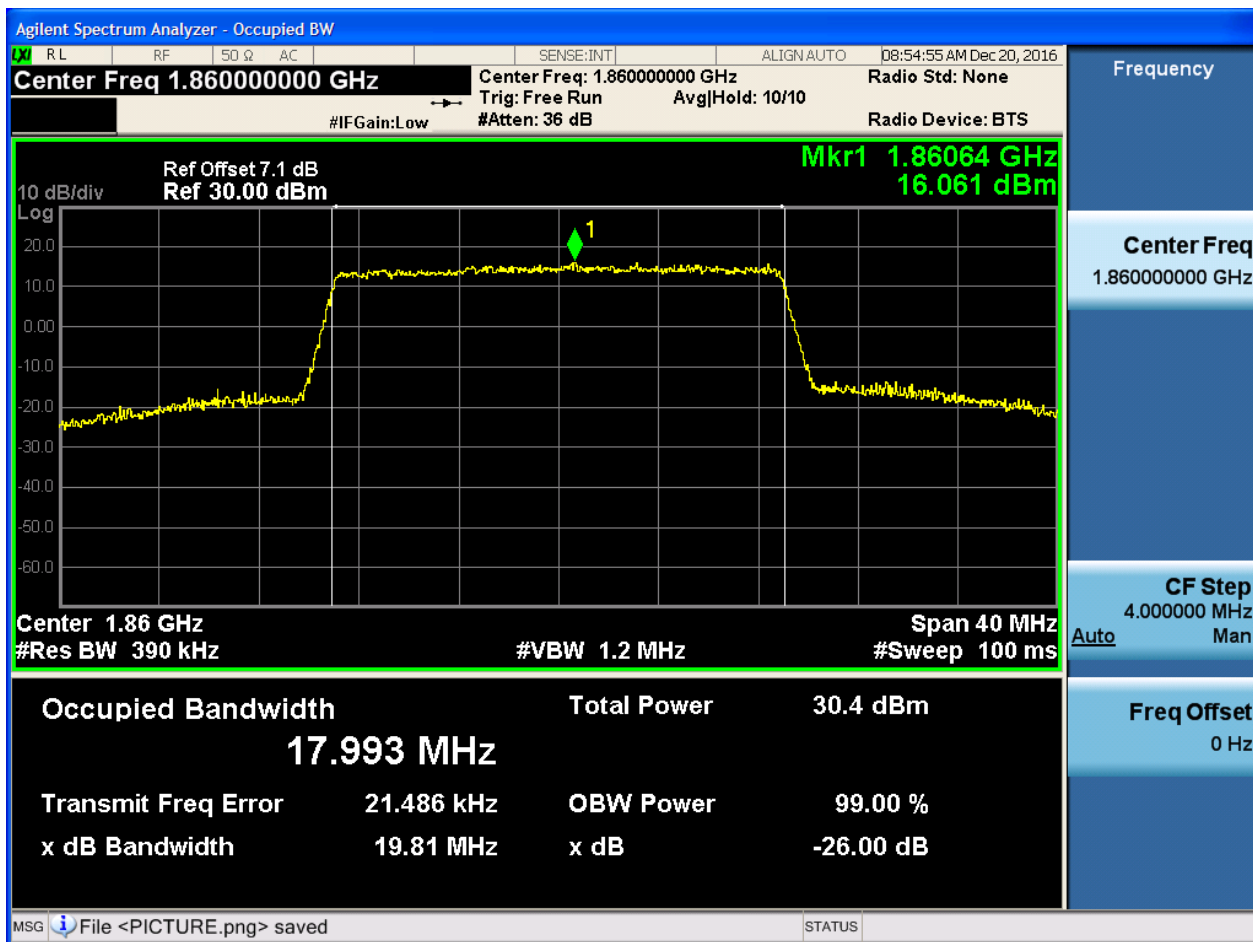




4.1.2.2.6 Test Bandwidth = 20

4.1.2.2.6.1 Test Channel = LCH

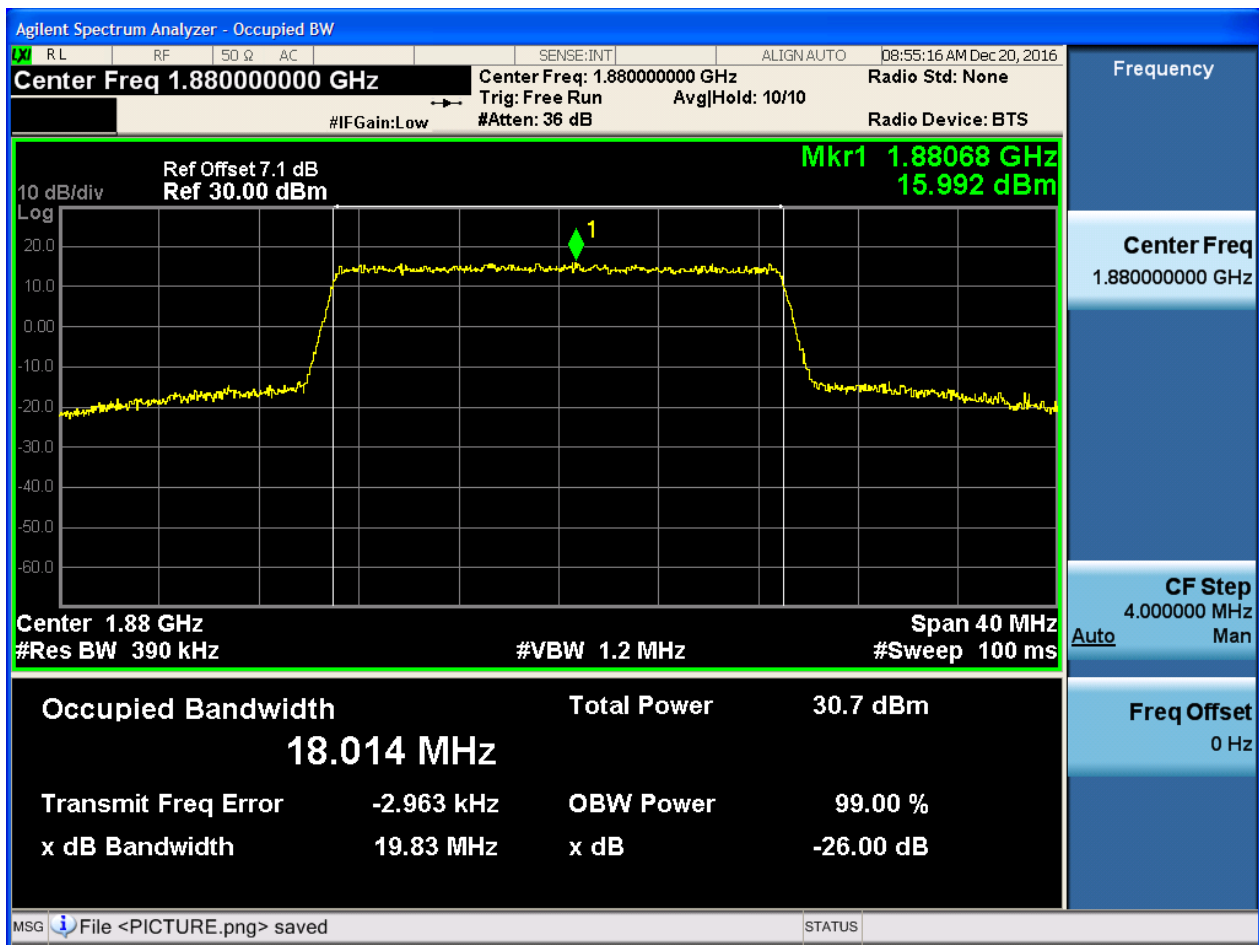
4.1.2.2.6.1.1 Test RB = RB100#0





4.1.2.2.6.2 Test Channel = MCH

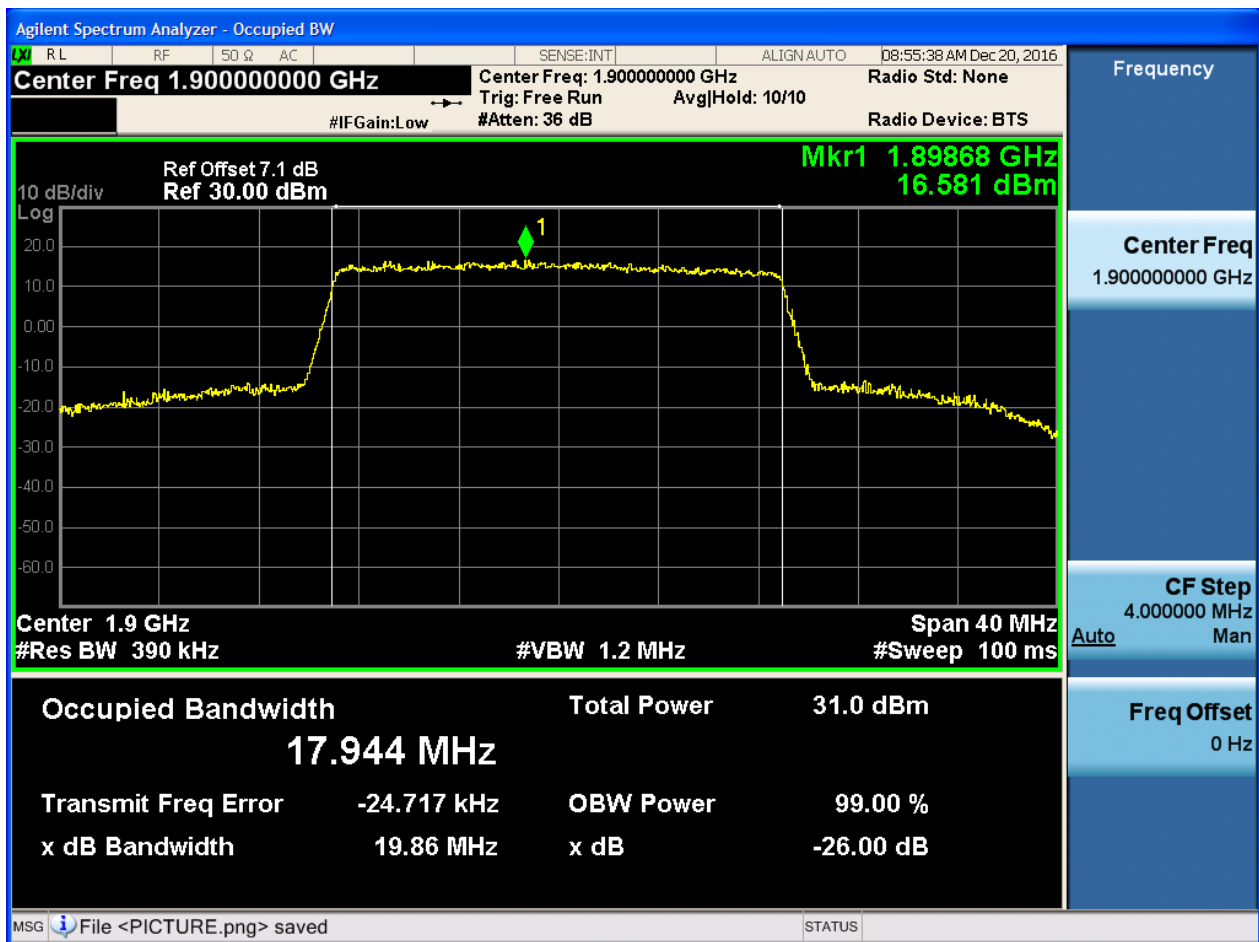
4.1.2.2.6.2.1 Test RB = RB100#0





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

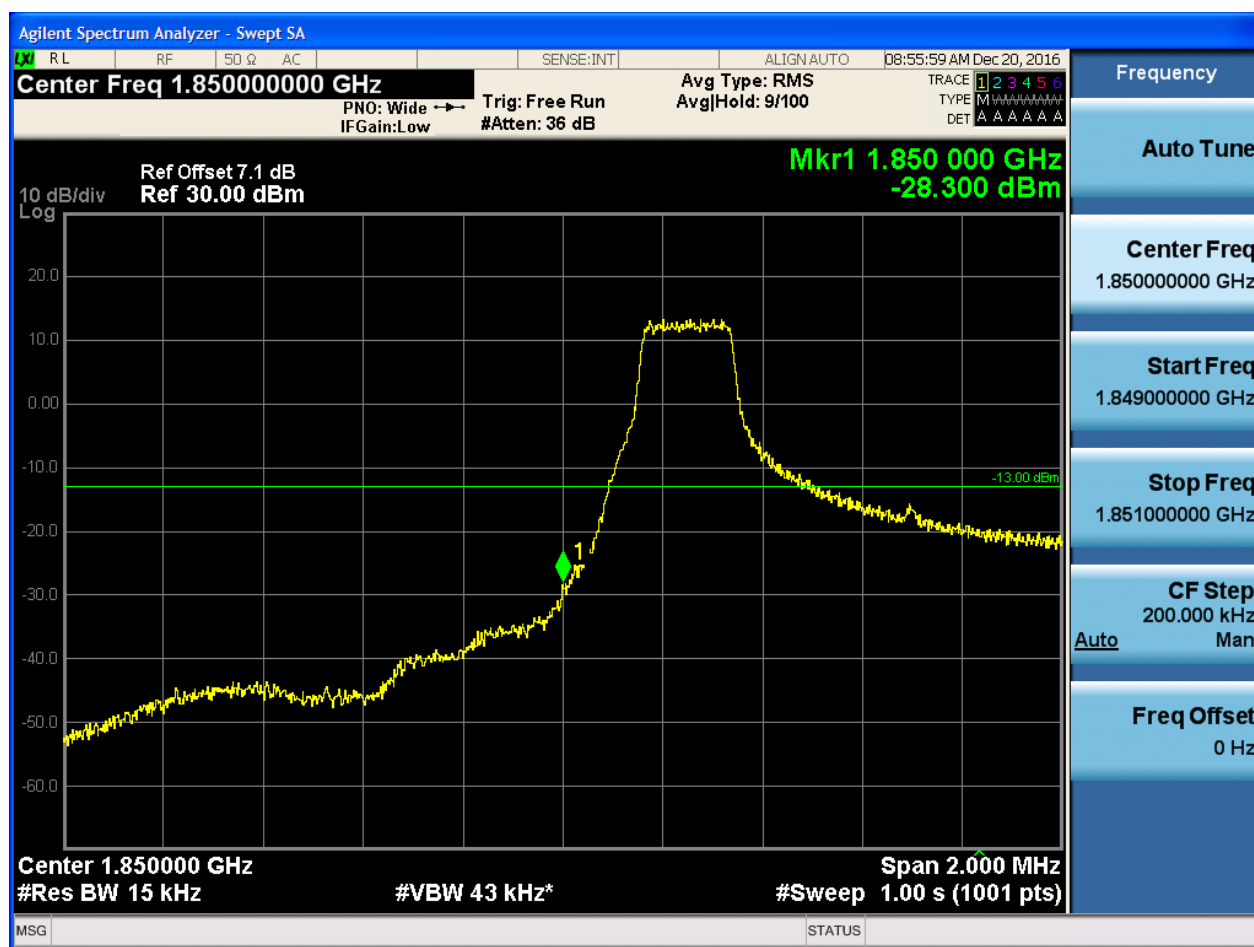
5.1.1 Test Band = BAND2

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



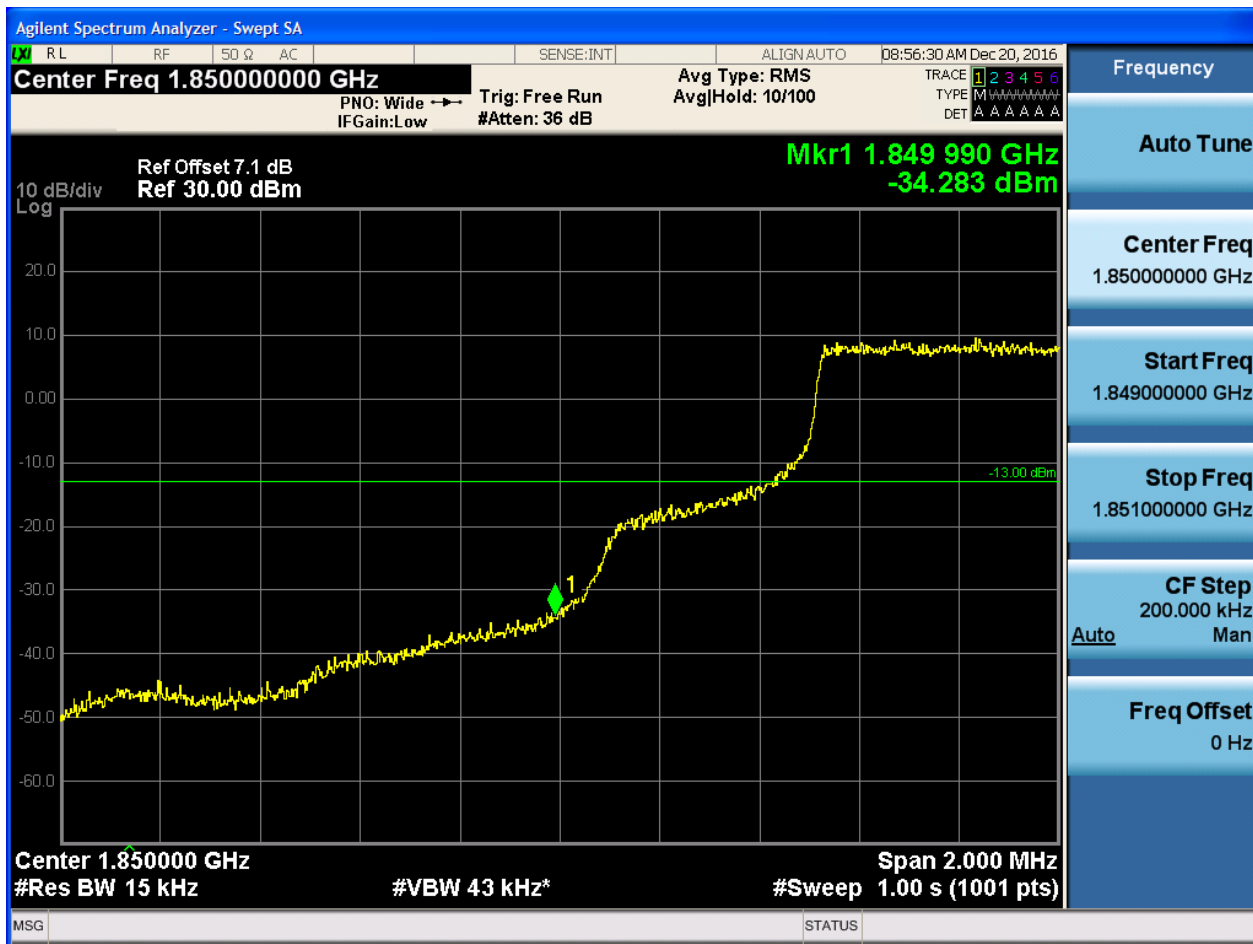


5.1.1.1.1.2 Test RB = RB1#5



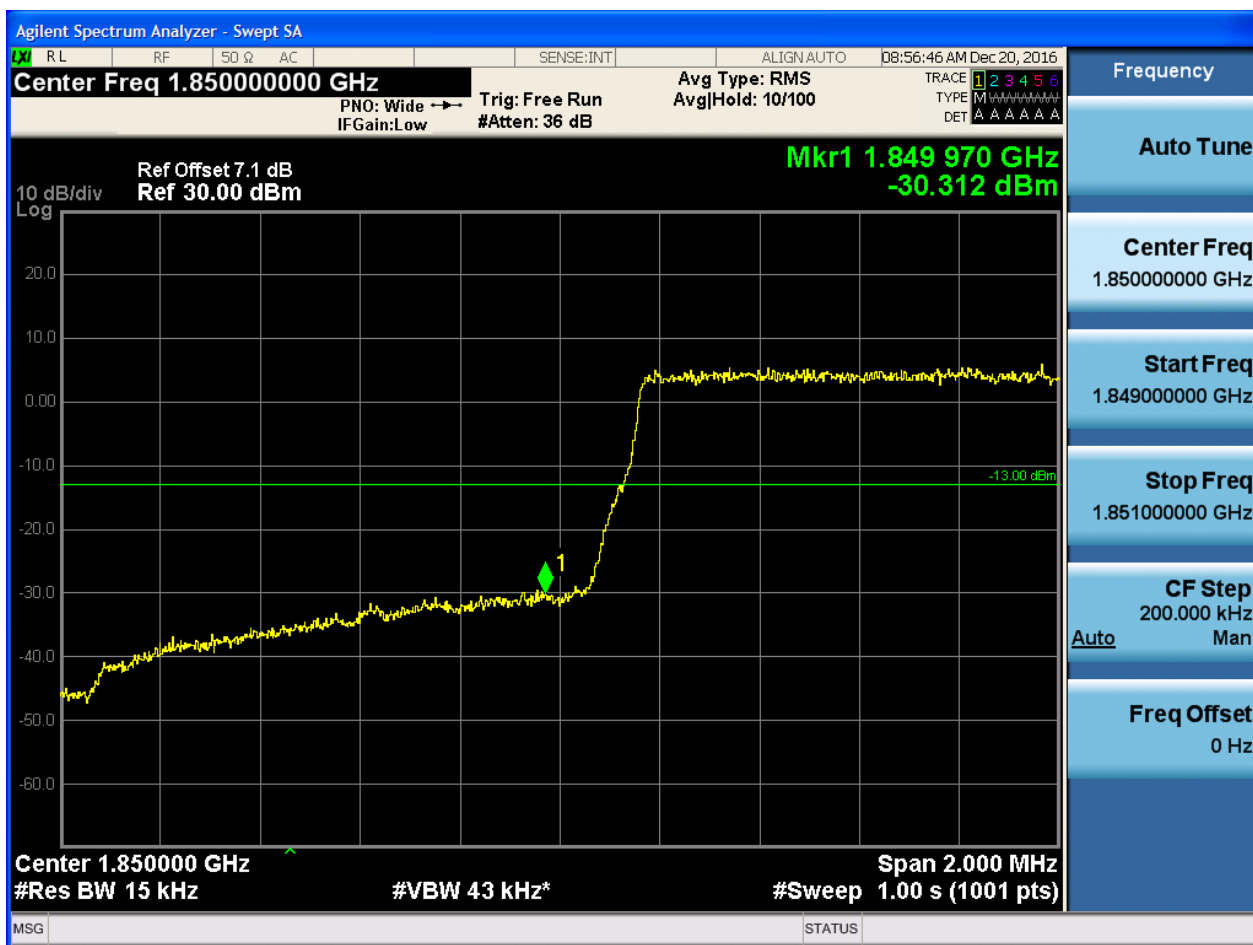


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





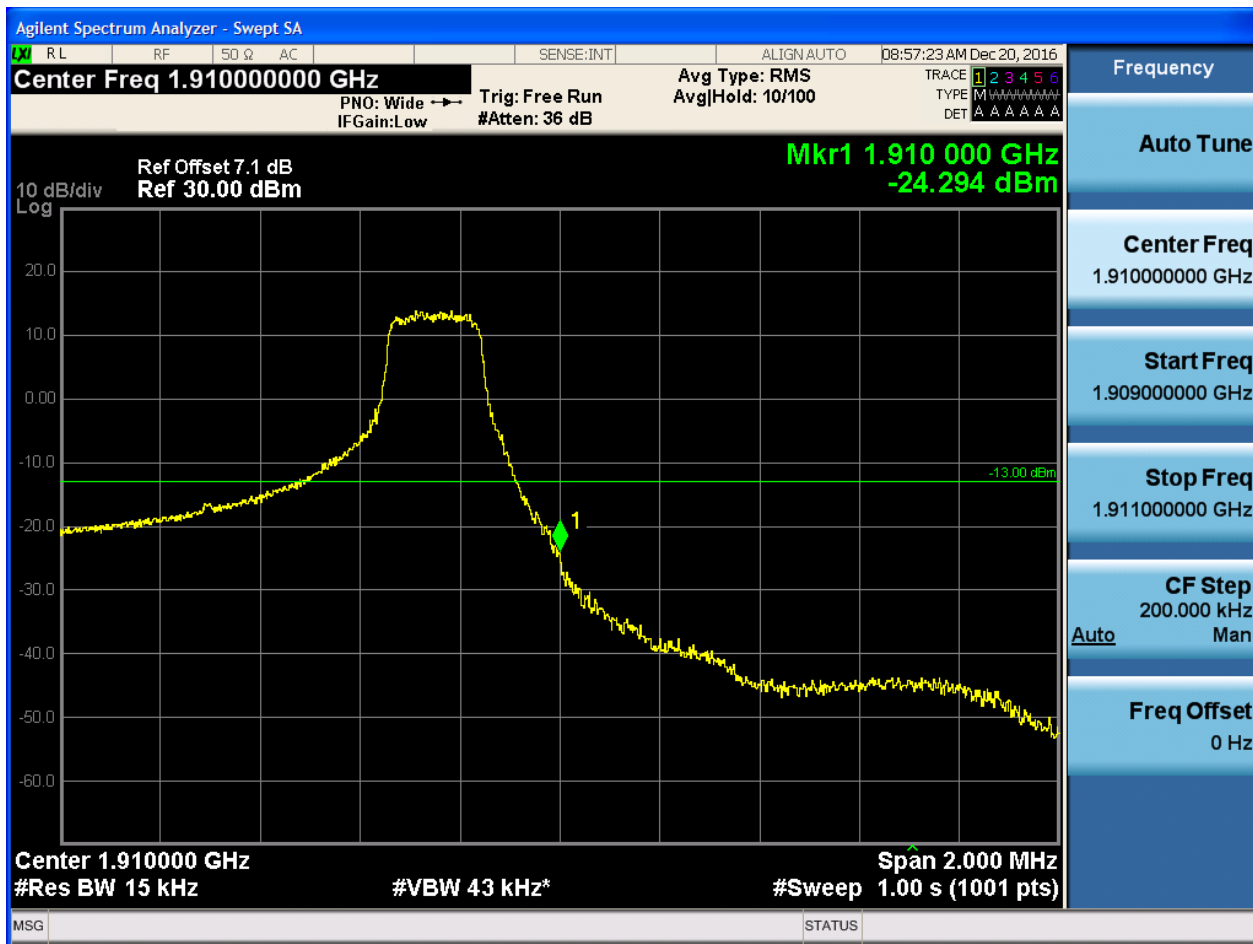
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5



5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

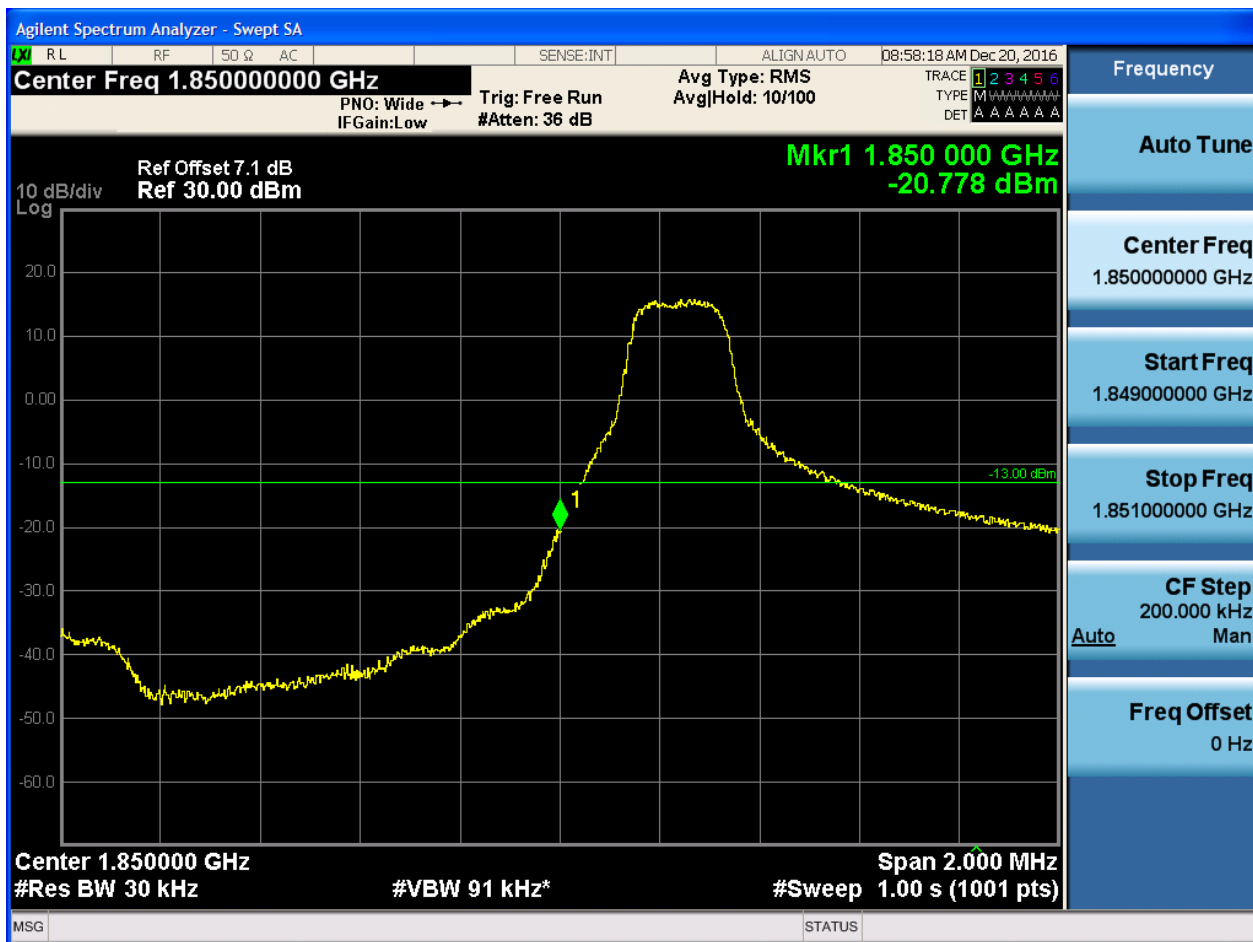




5.1.1.1.2 Test Bandwidth = 3

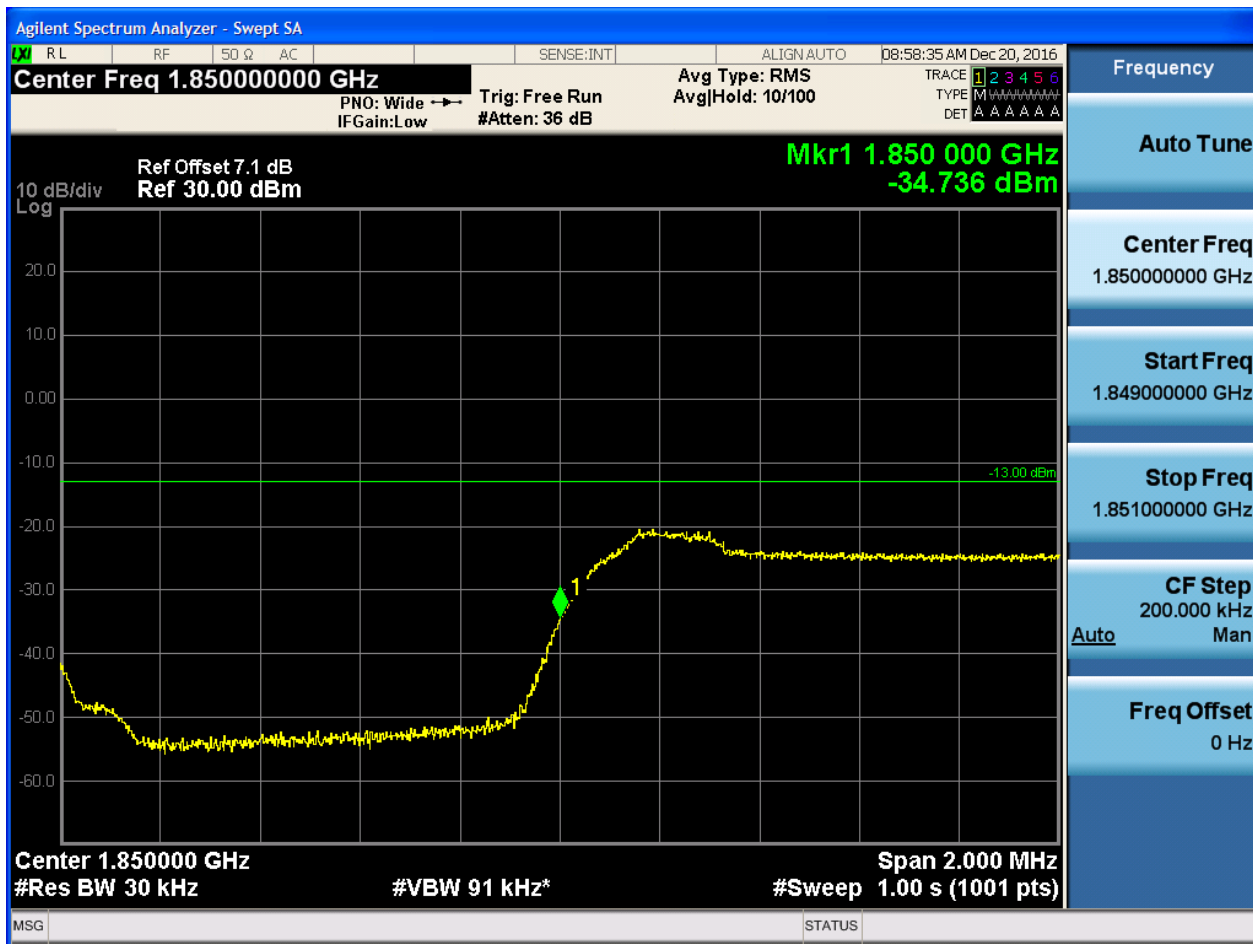
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



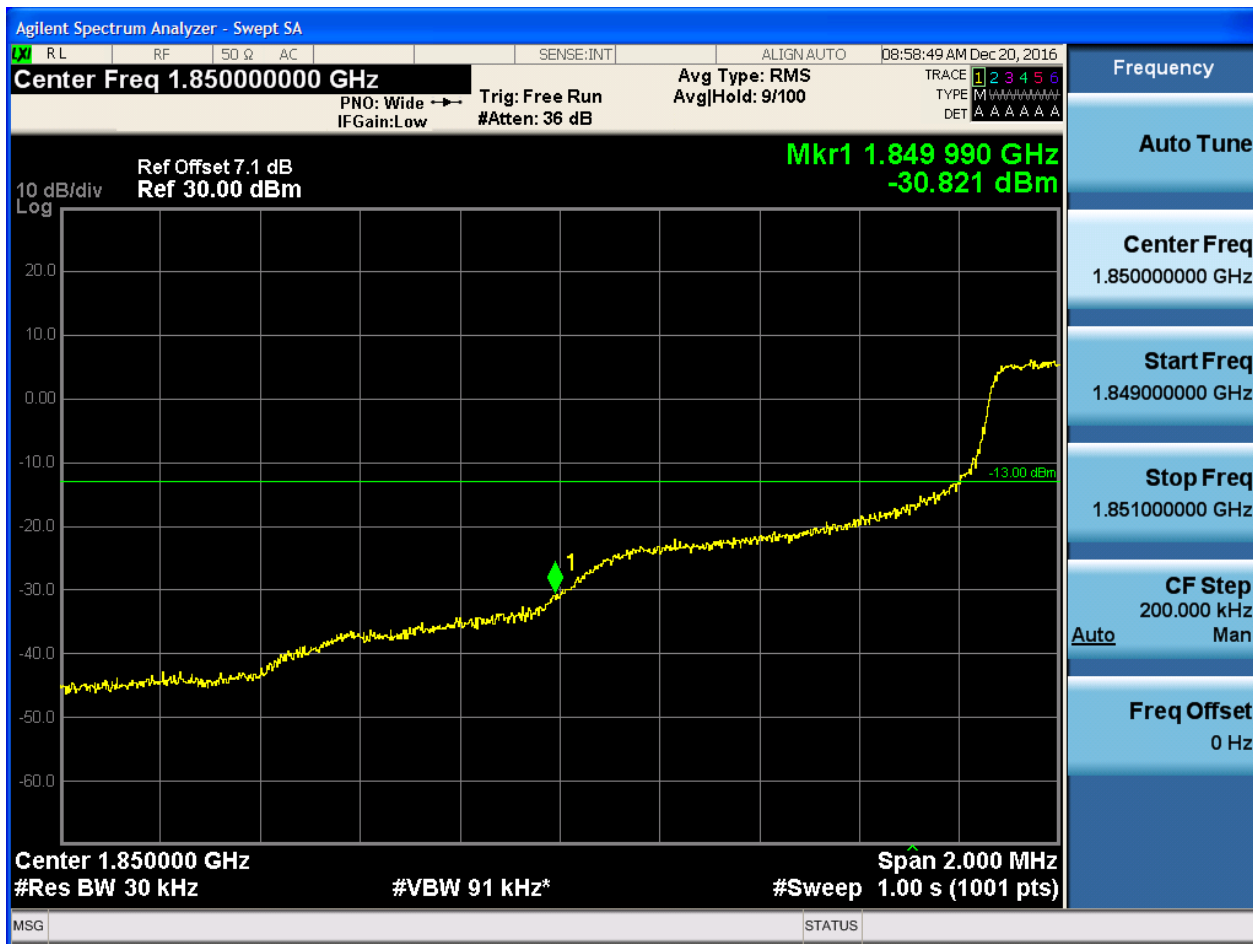


5.1.1.1.2.1.2 Test RB = RB1#14



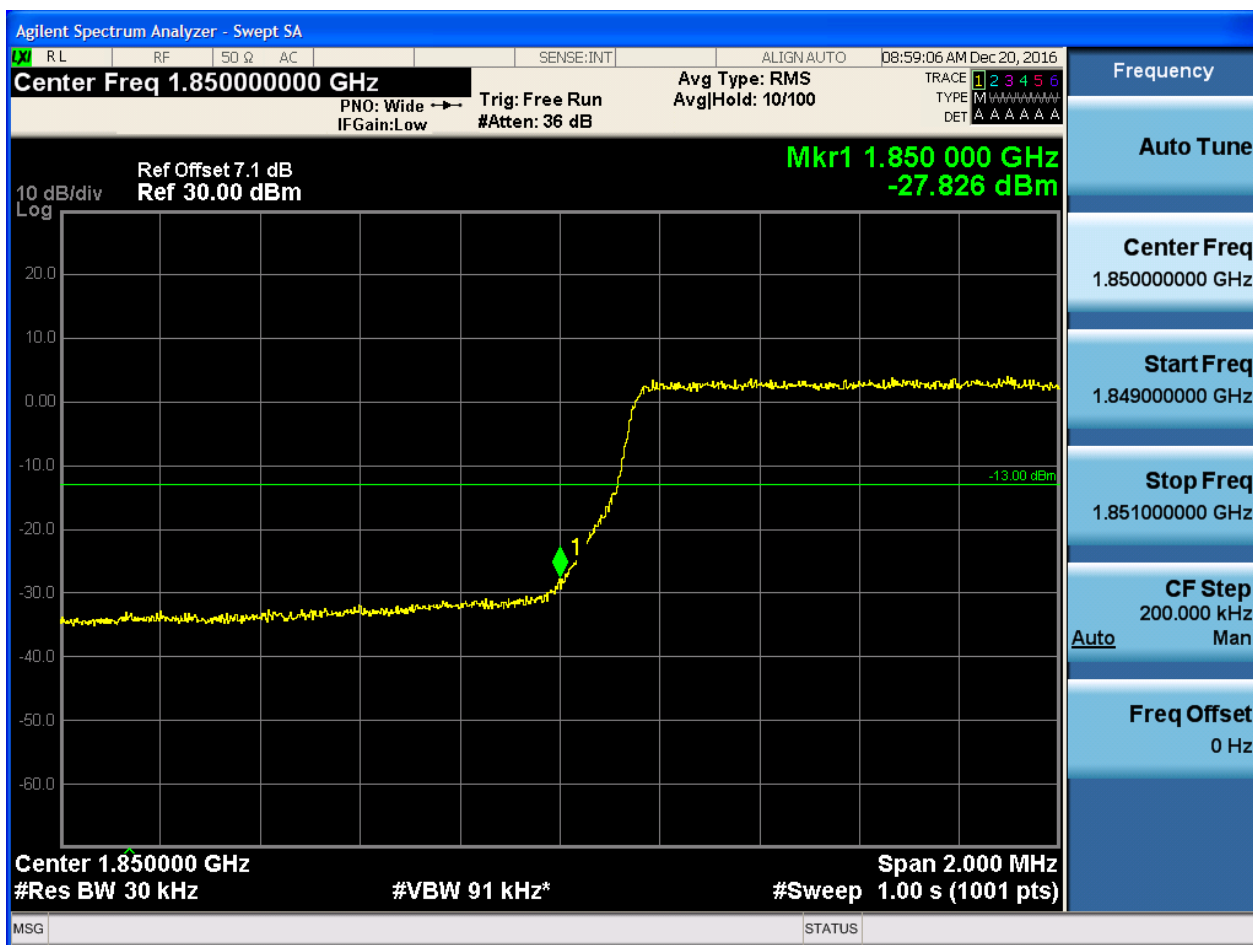


5.1.1.1.2.1.3 Test RB = RB8#4





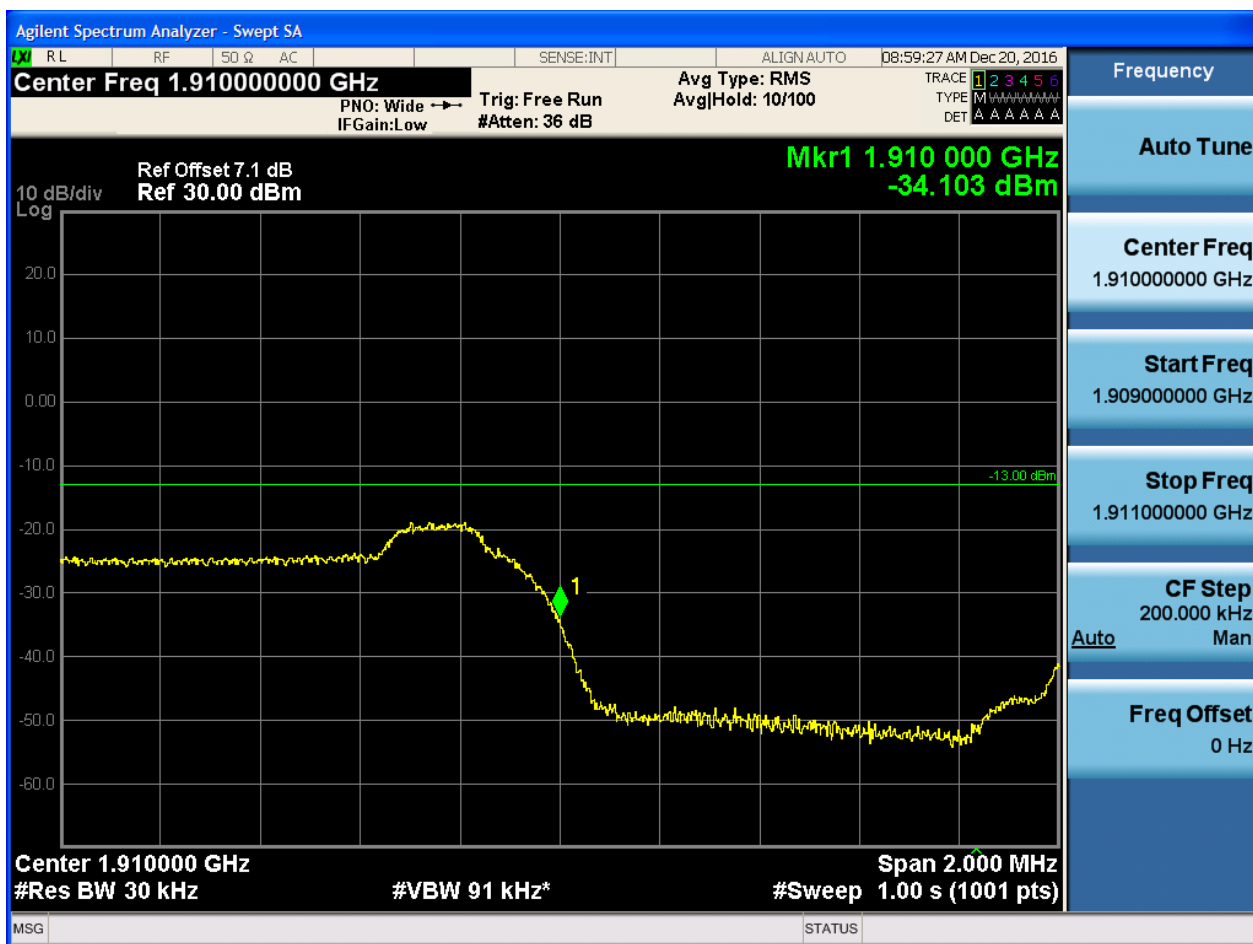
5.1.1.1.2.1.4 Test RB = RB15#0





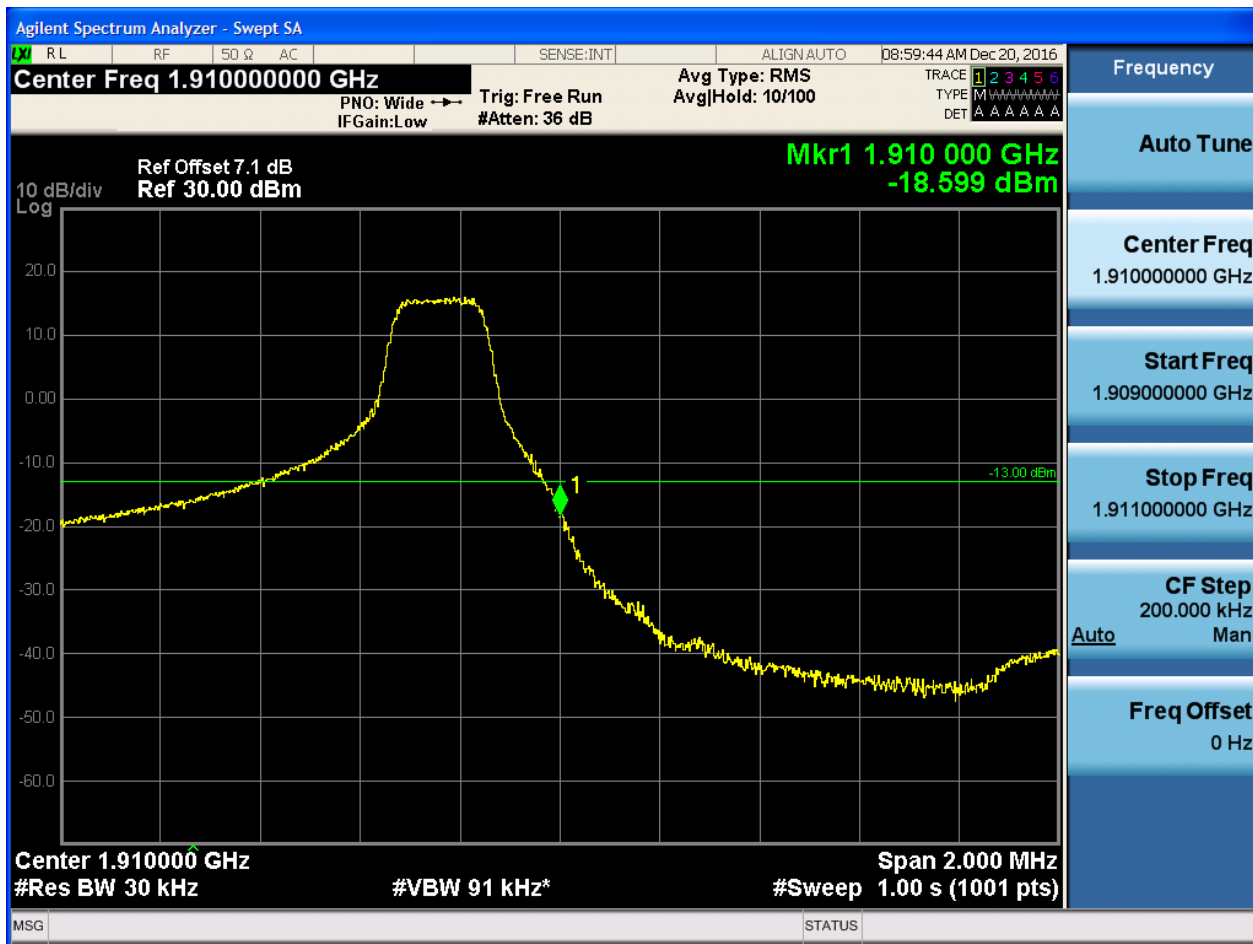
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14



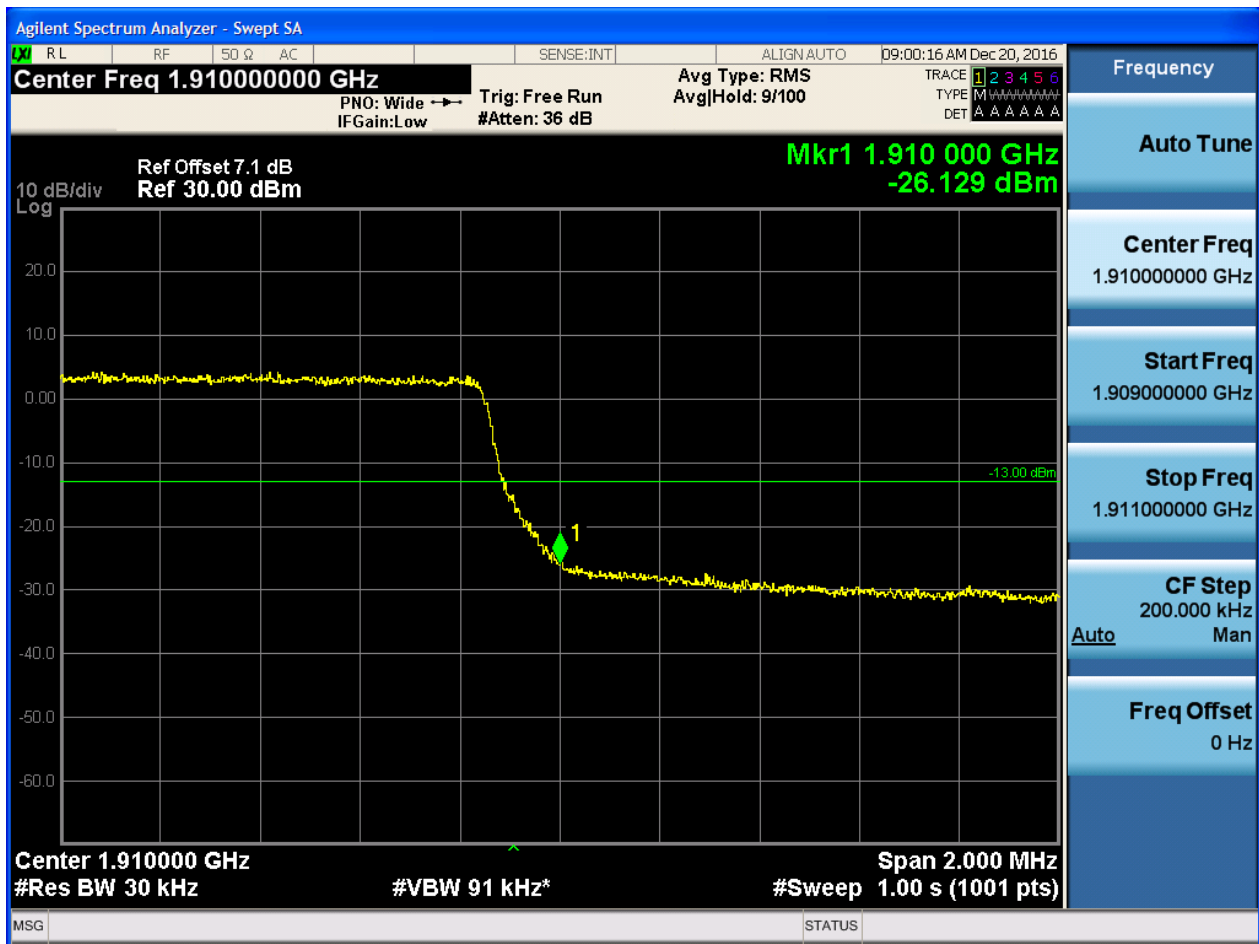


5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

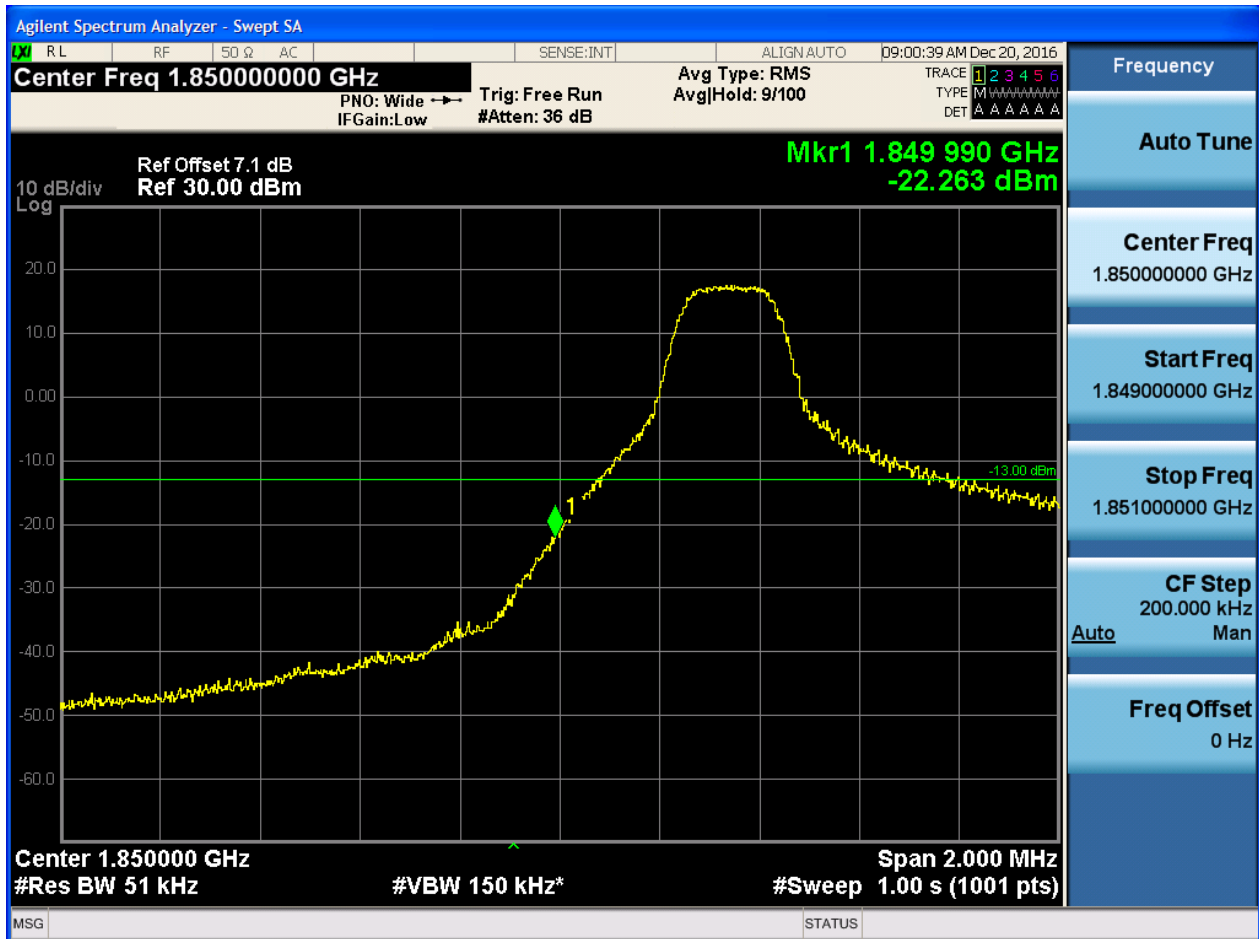




5.1.1.1.3 Test Bandwidth = 5

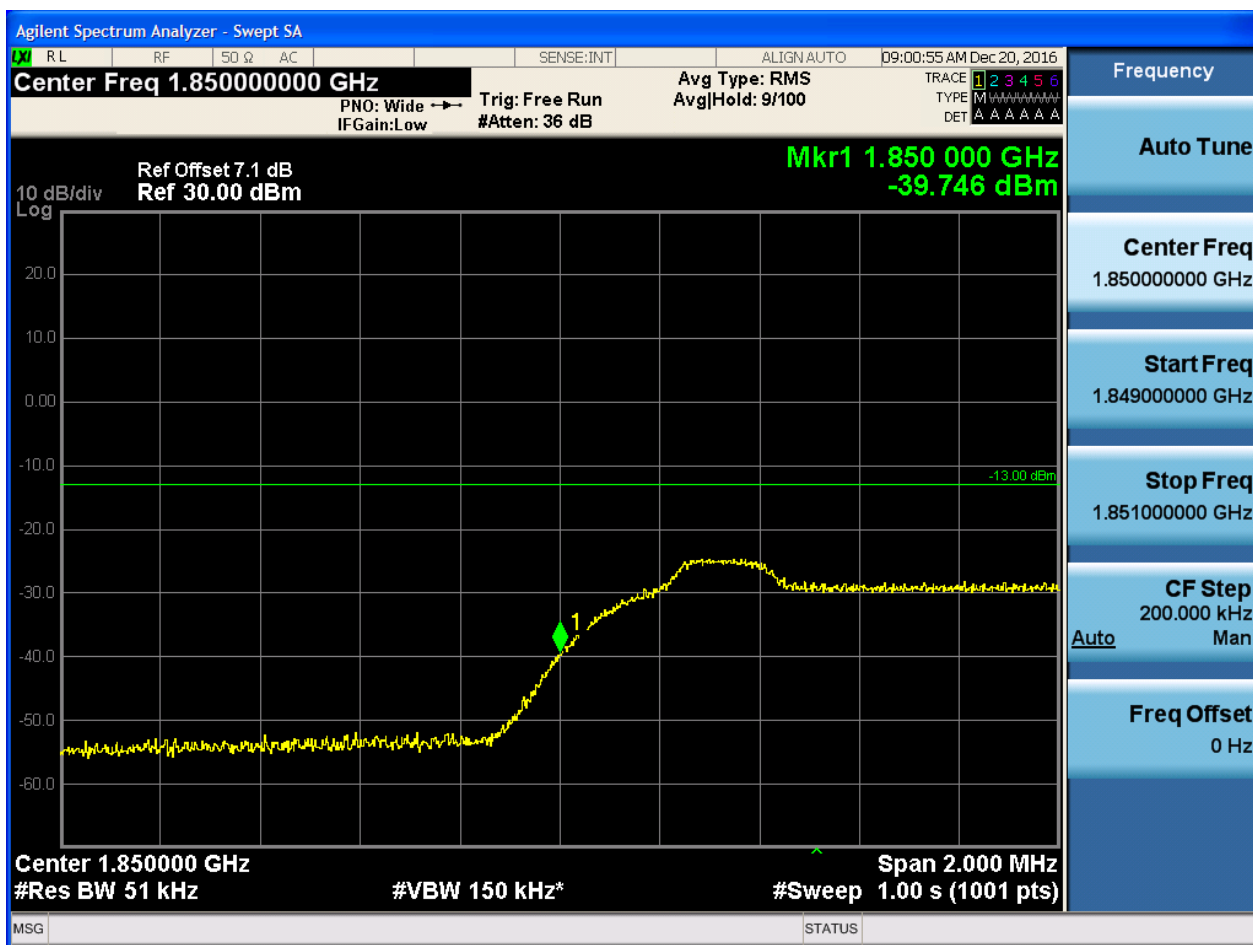
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



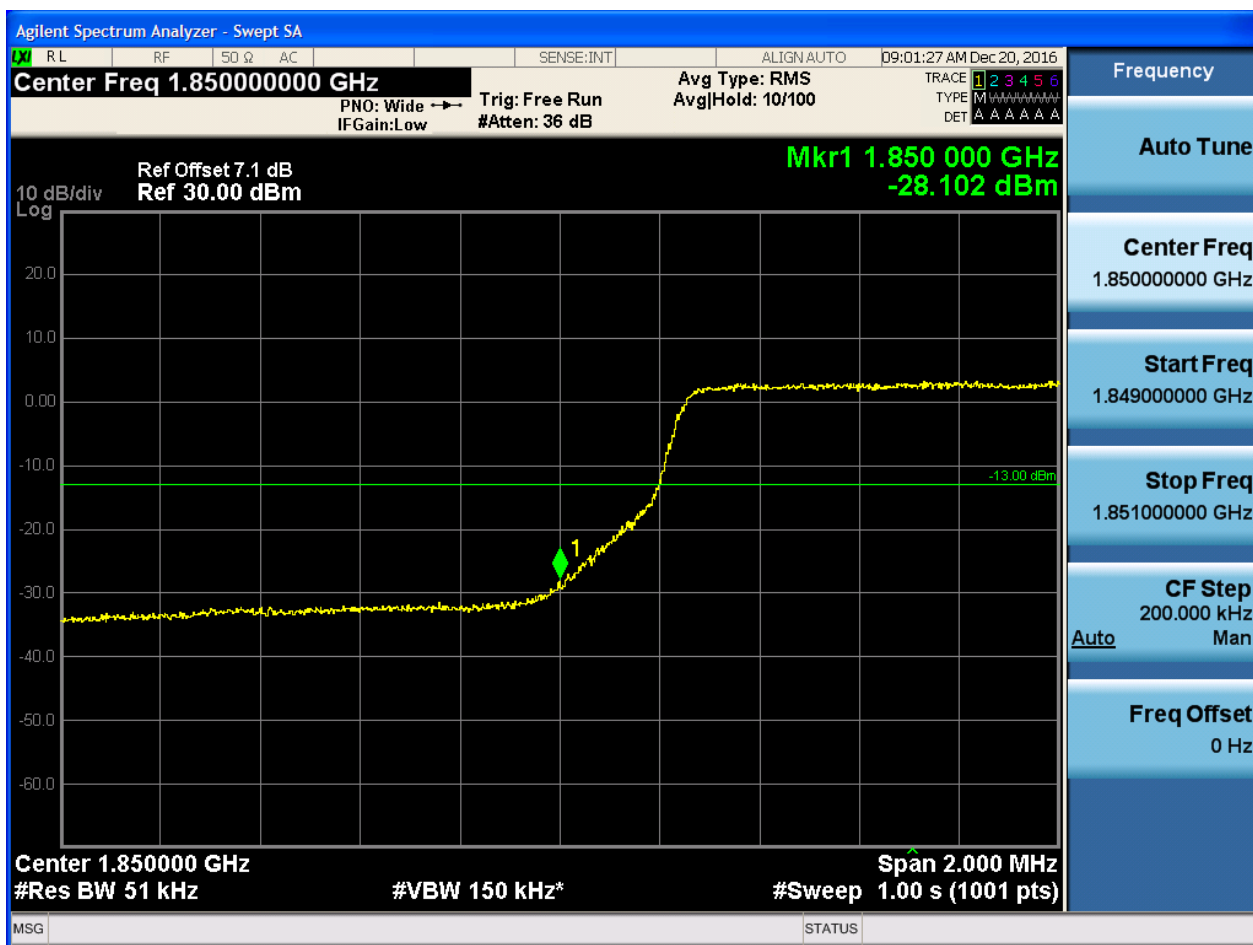


5.1.1.1.3.1.3 Test RB = RB12#6





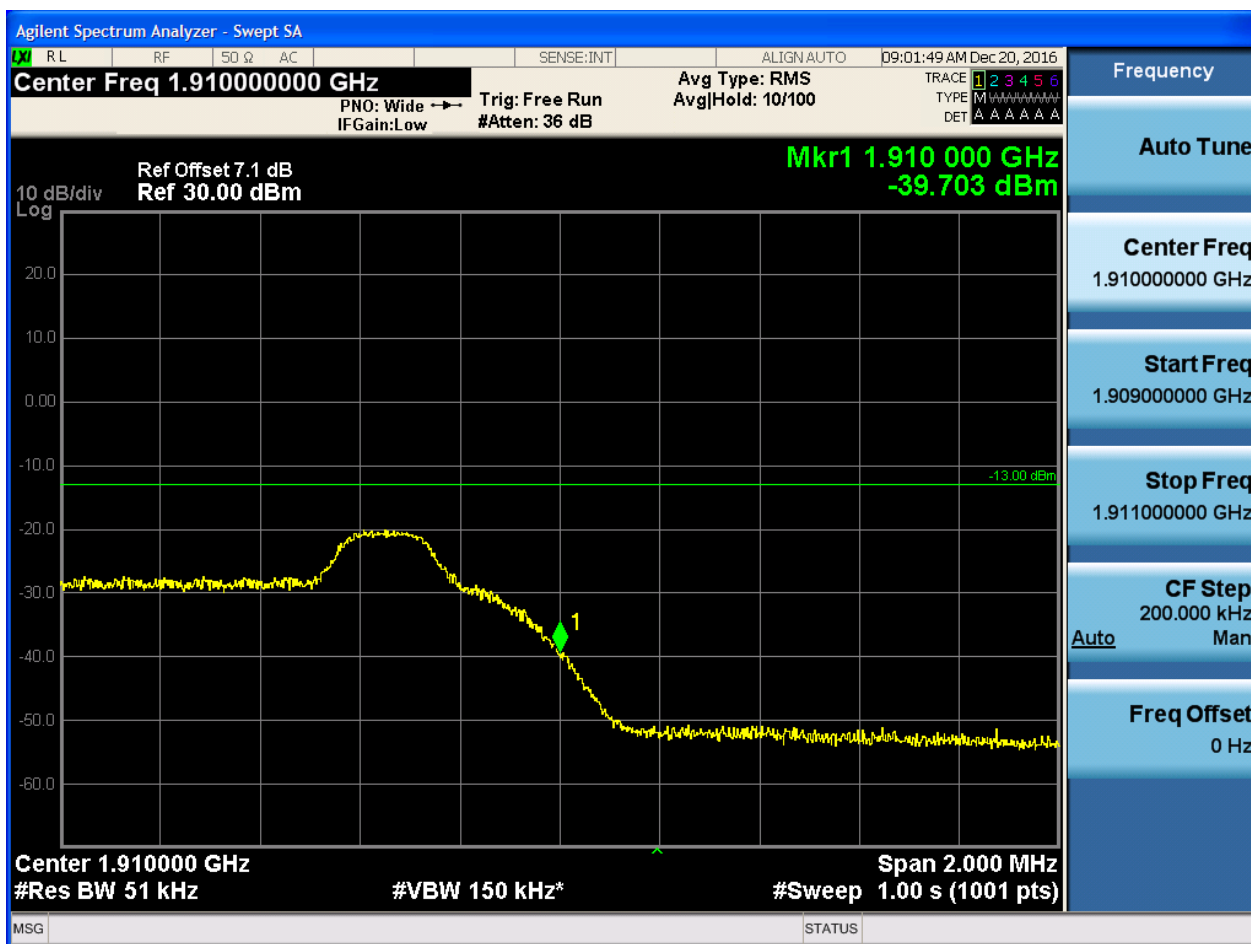
5.1.1.1.3.1.4 Test RB = RB25#0

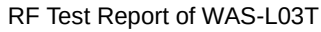




5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 11/100

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

Mkr1 1.910 000 GHz
-20.439 dBm

-13.00 dBm

1

Center 1.910000 GHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Man

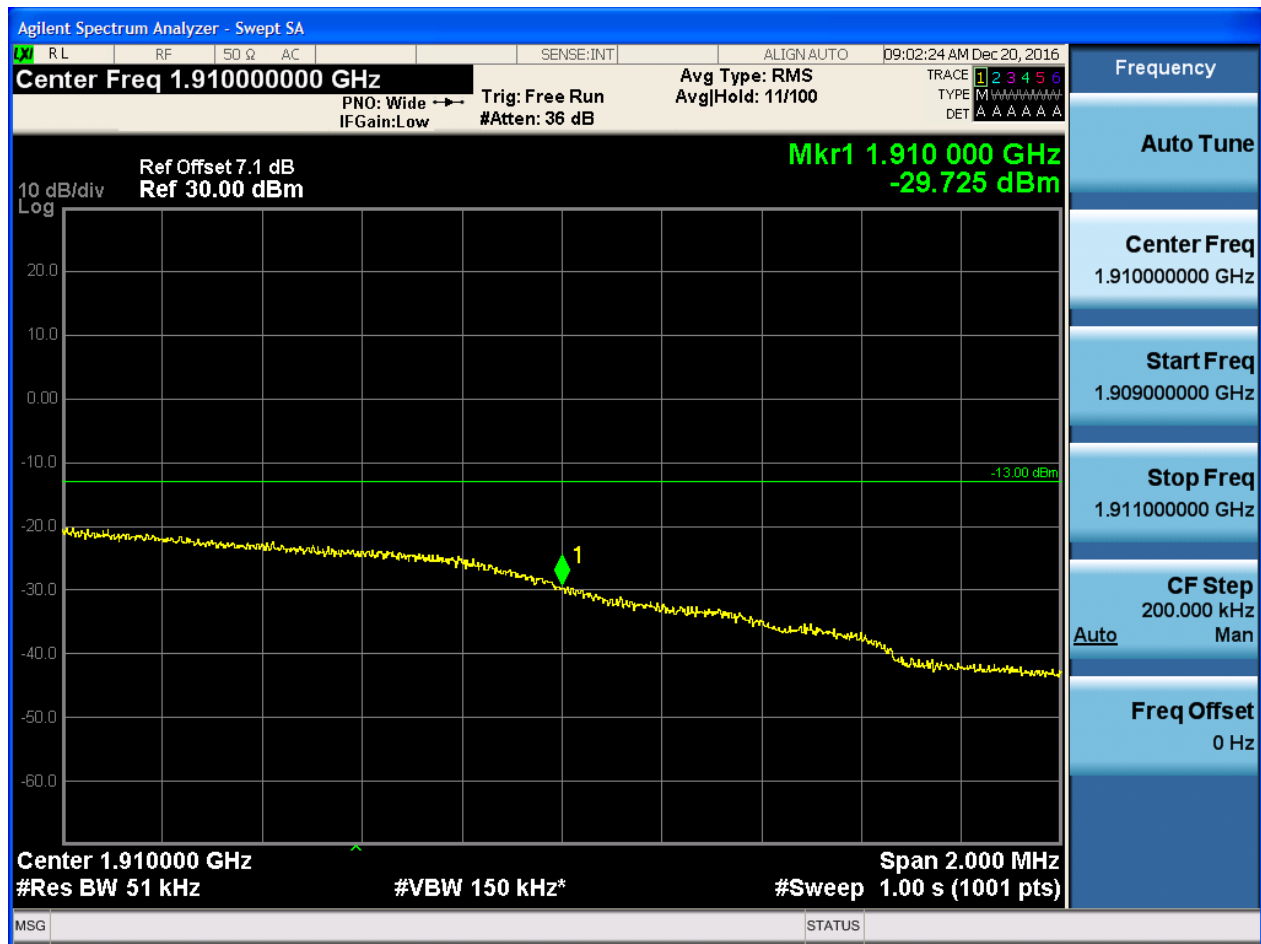
Auto

Freq Offset
0 Hz

MSG STATUS



5.1.1.1.3.2.3 Test RB = RB12#6





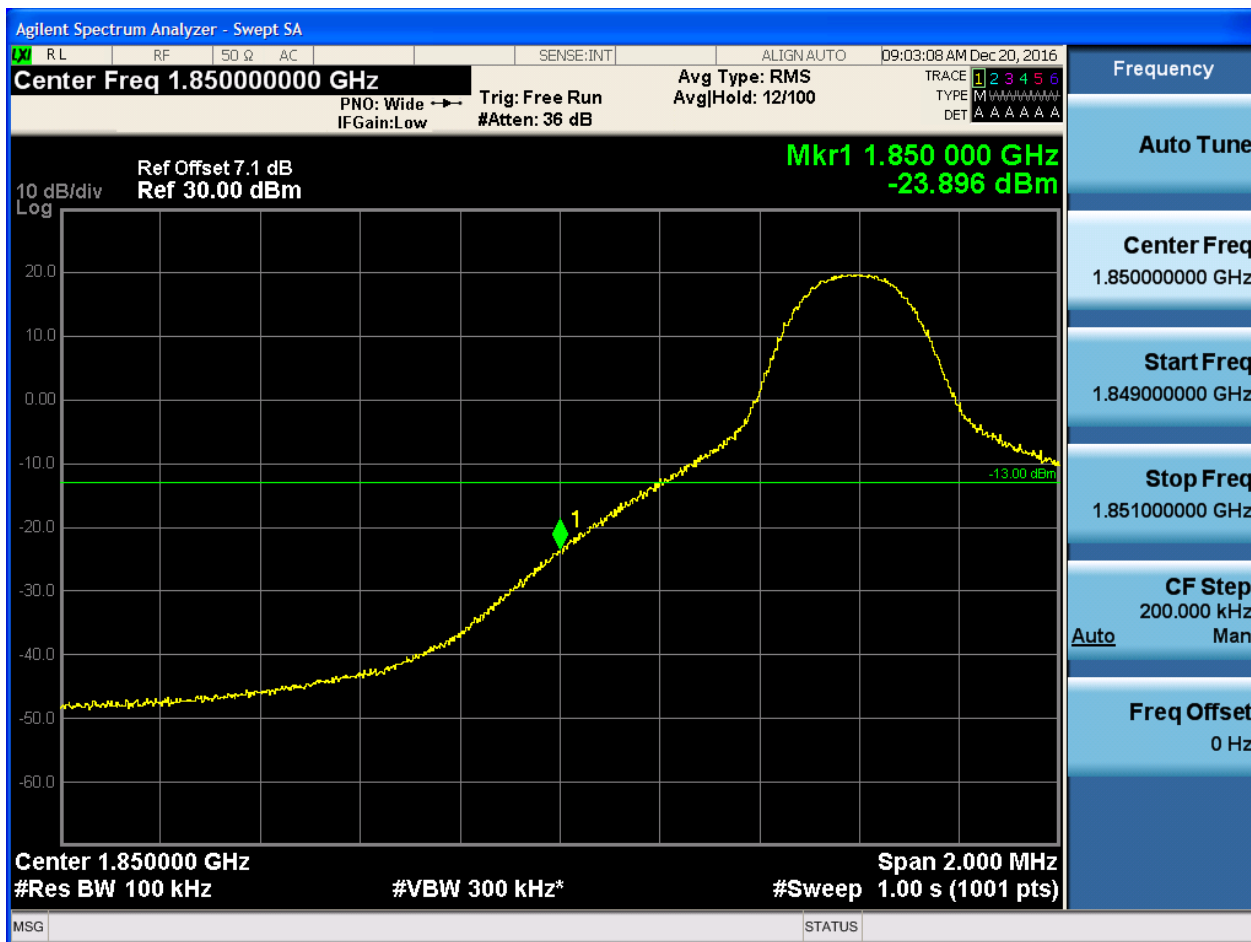
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

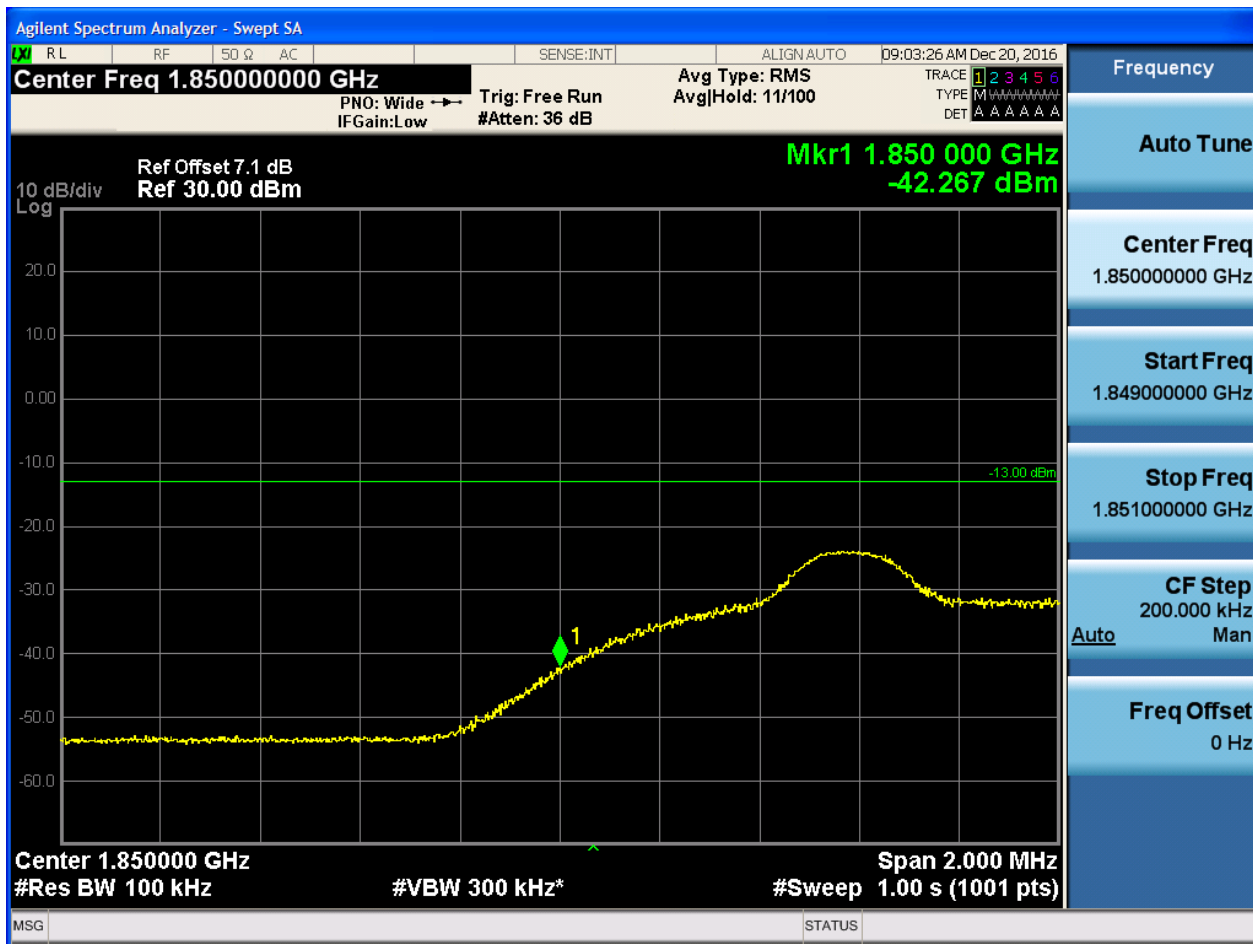
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



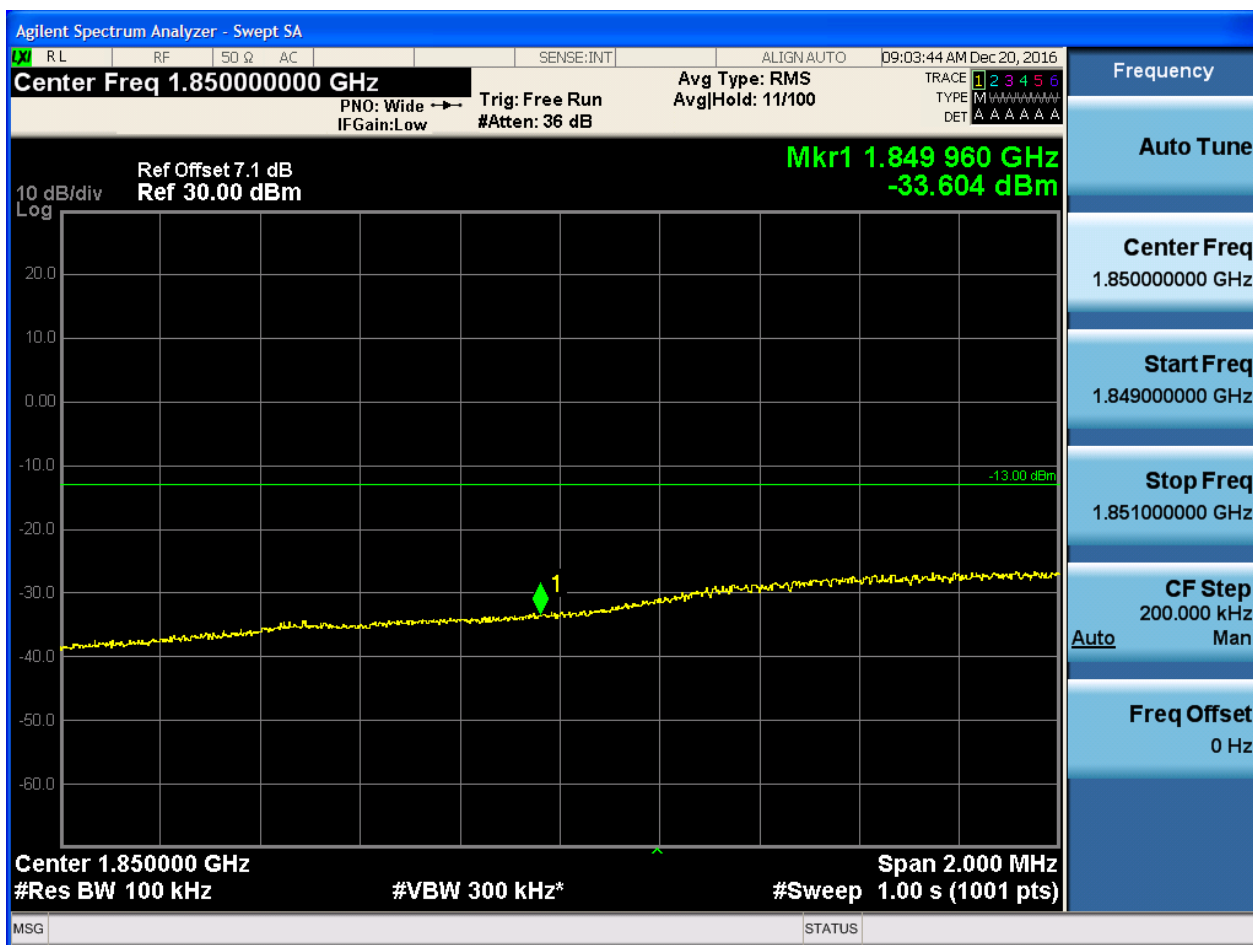


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





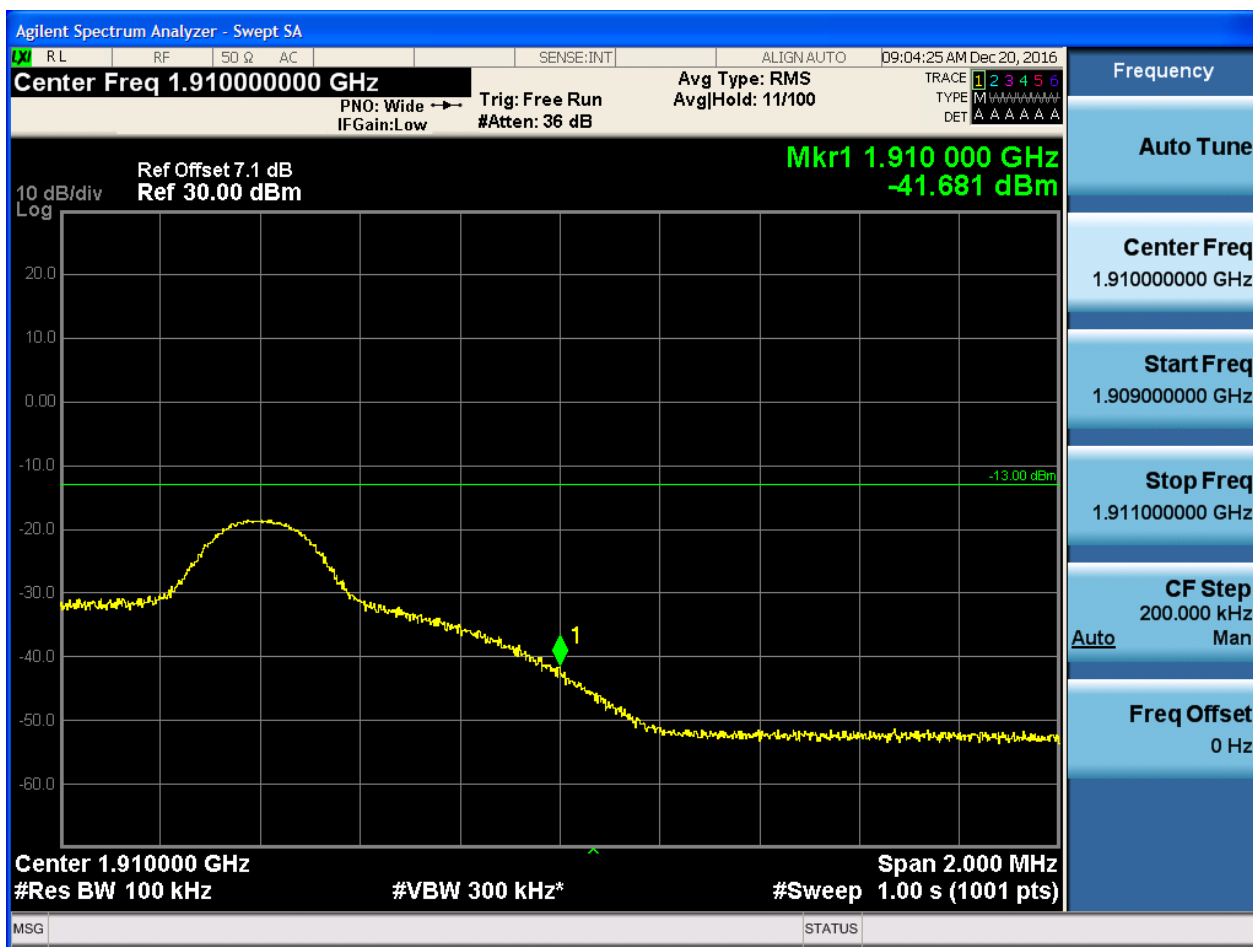
5.1.1.1.4.1.4 Test RB = RB50#0





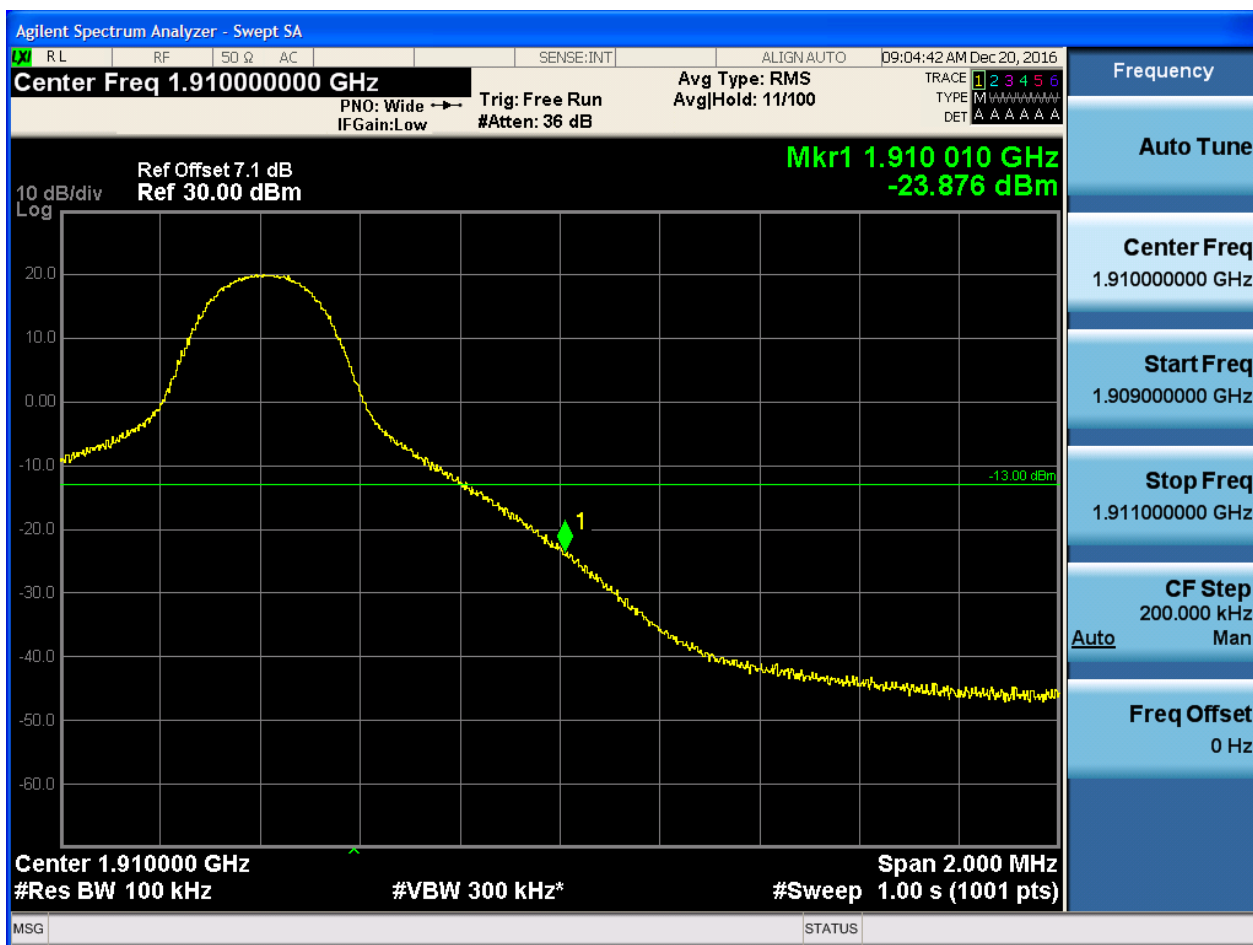
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#49



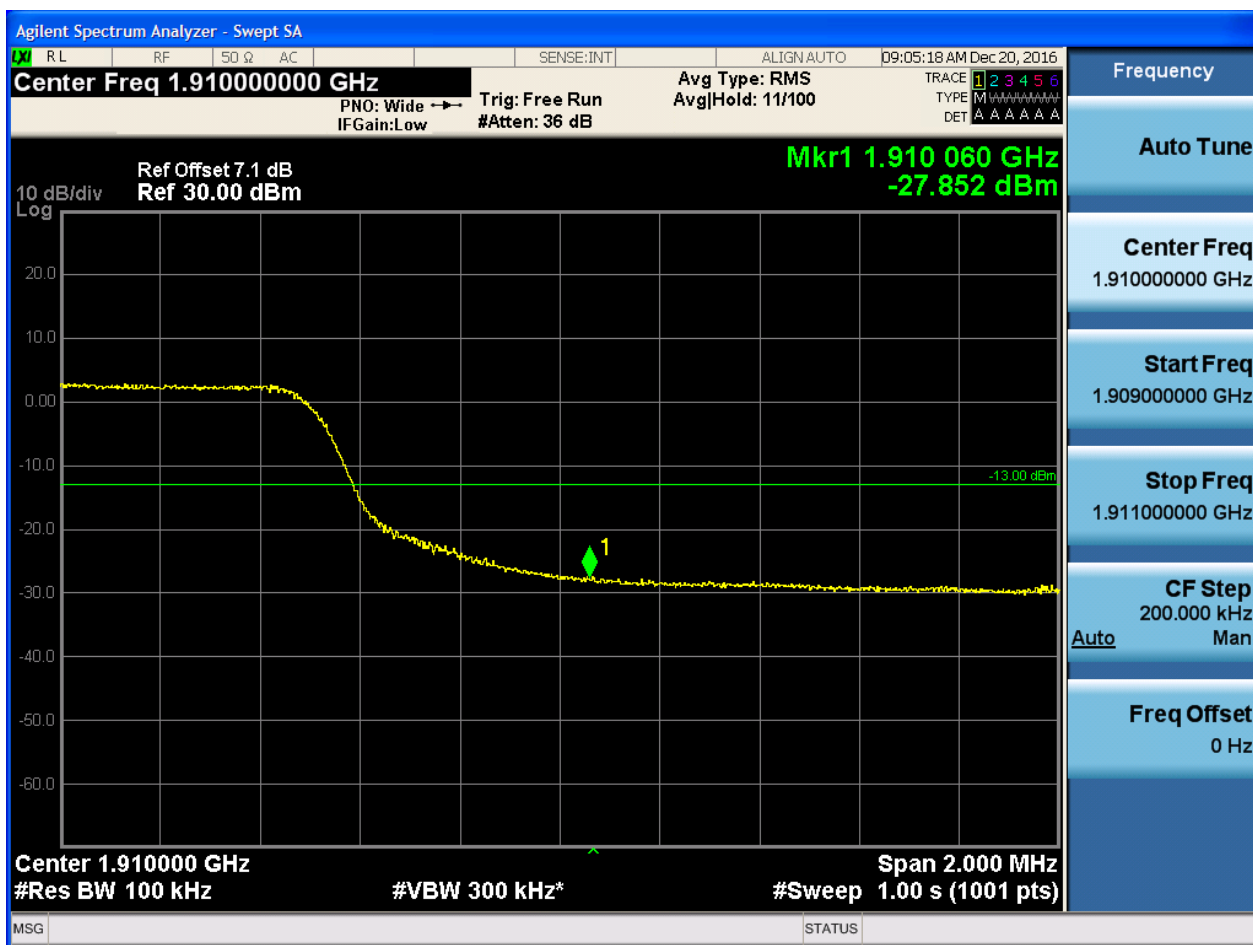


5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0

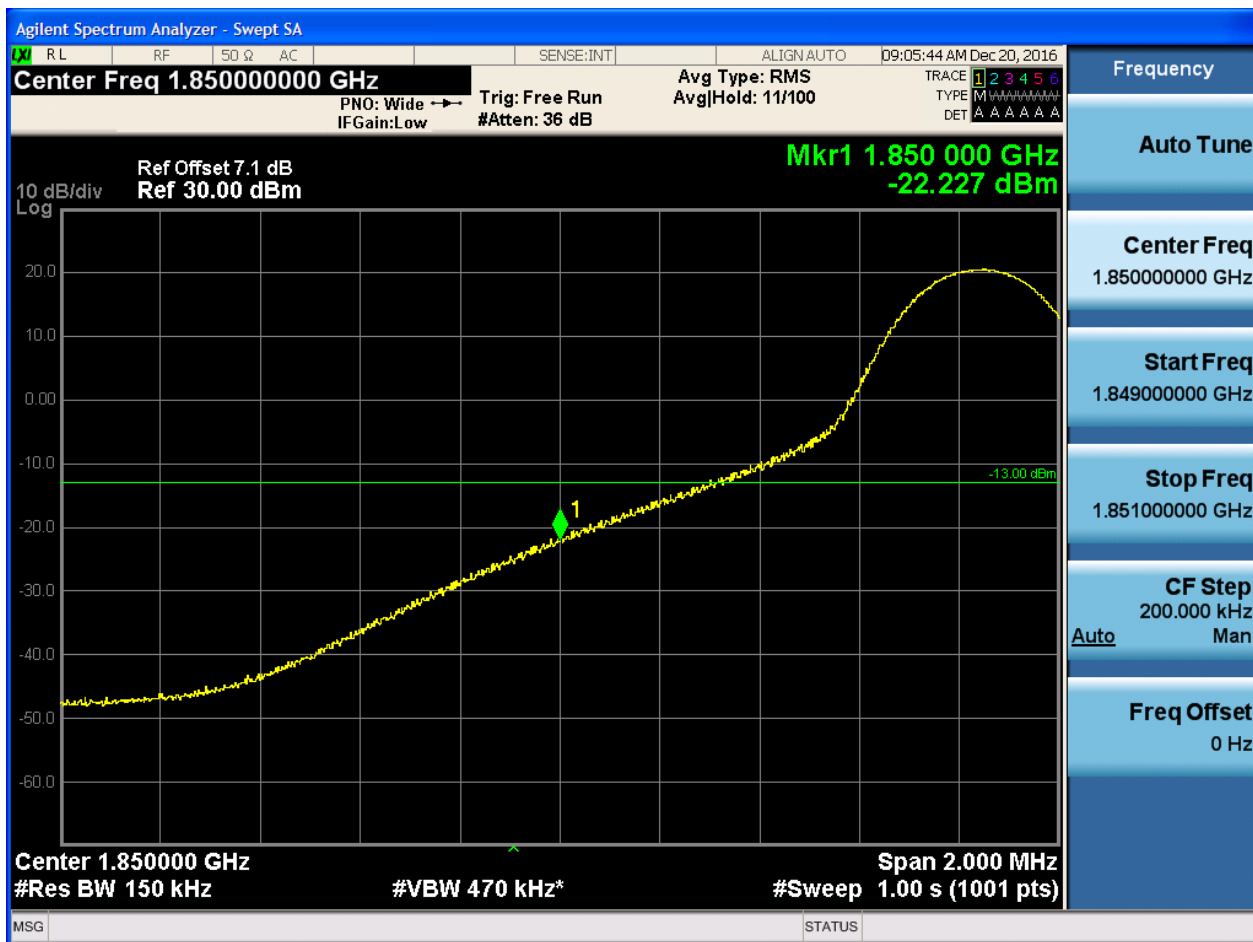




5.1.1.1.5 Test Bandwidth = 15

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



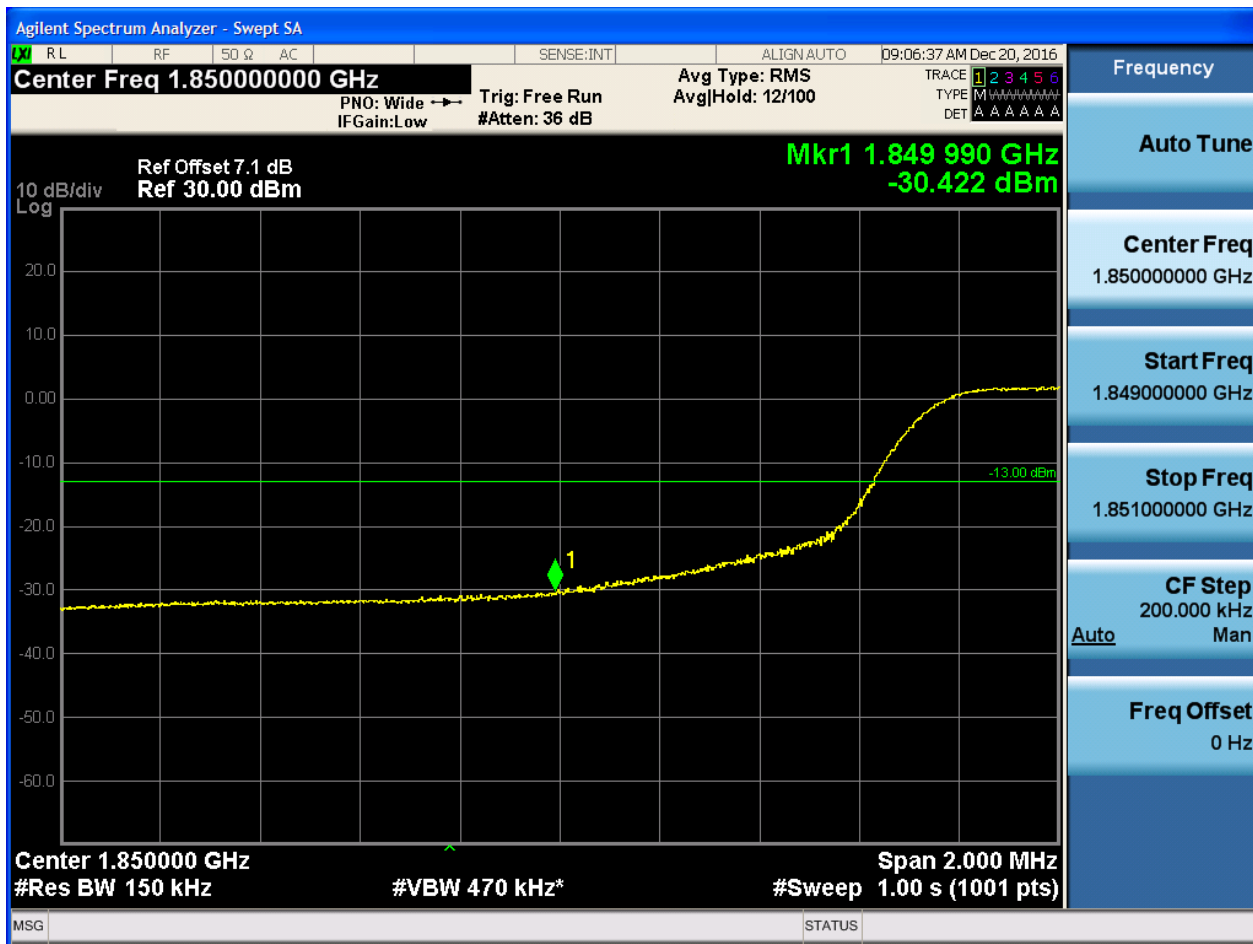


5.1.1.1.5.1.3 Test RB = RB38#19





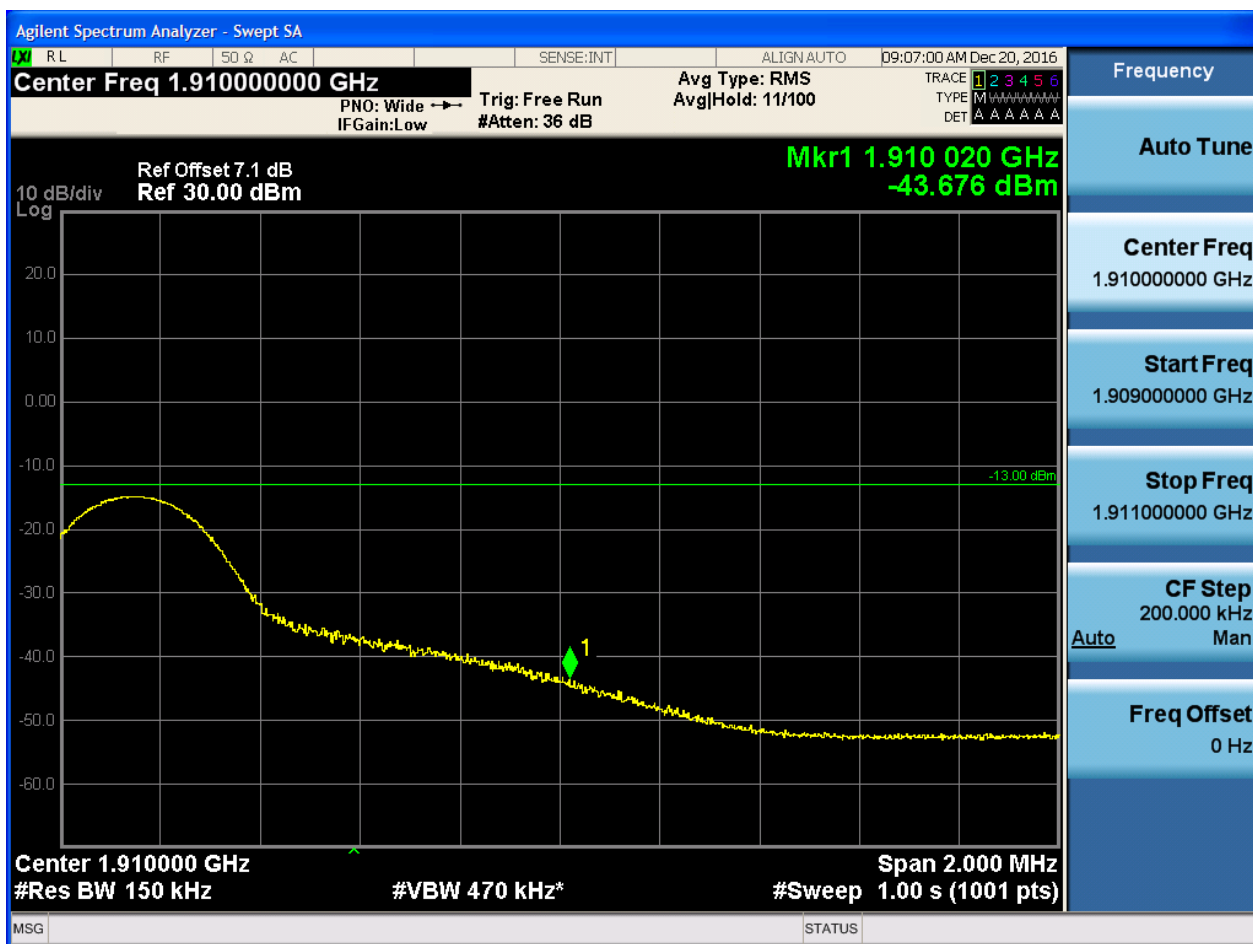
5.1.1.1.5.1.4 Test RB = RB75#0





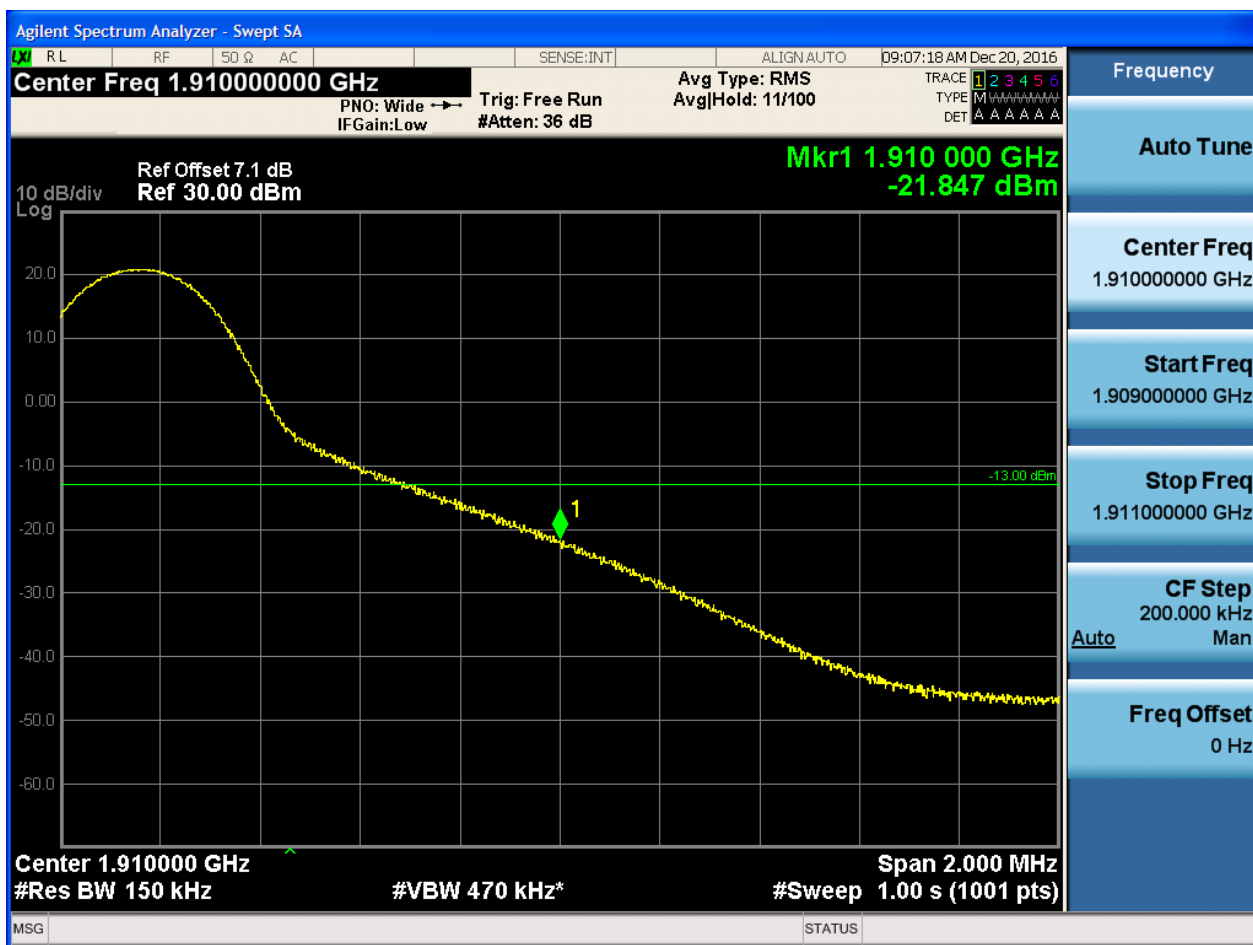
5.1.1.1.5.2 Test Channel = HCH

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

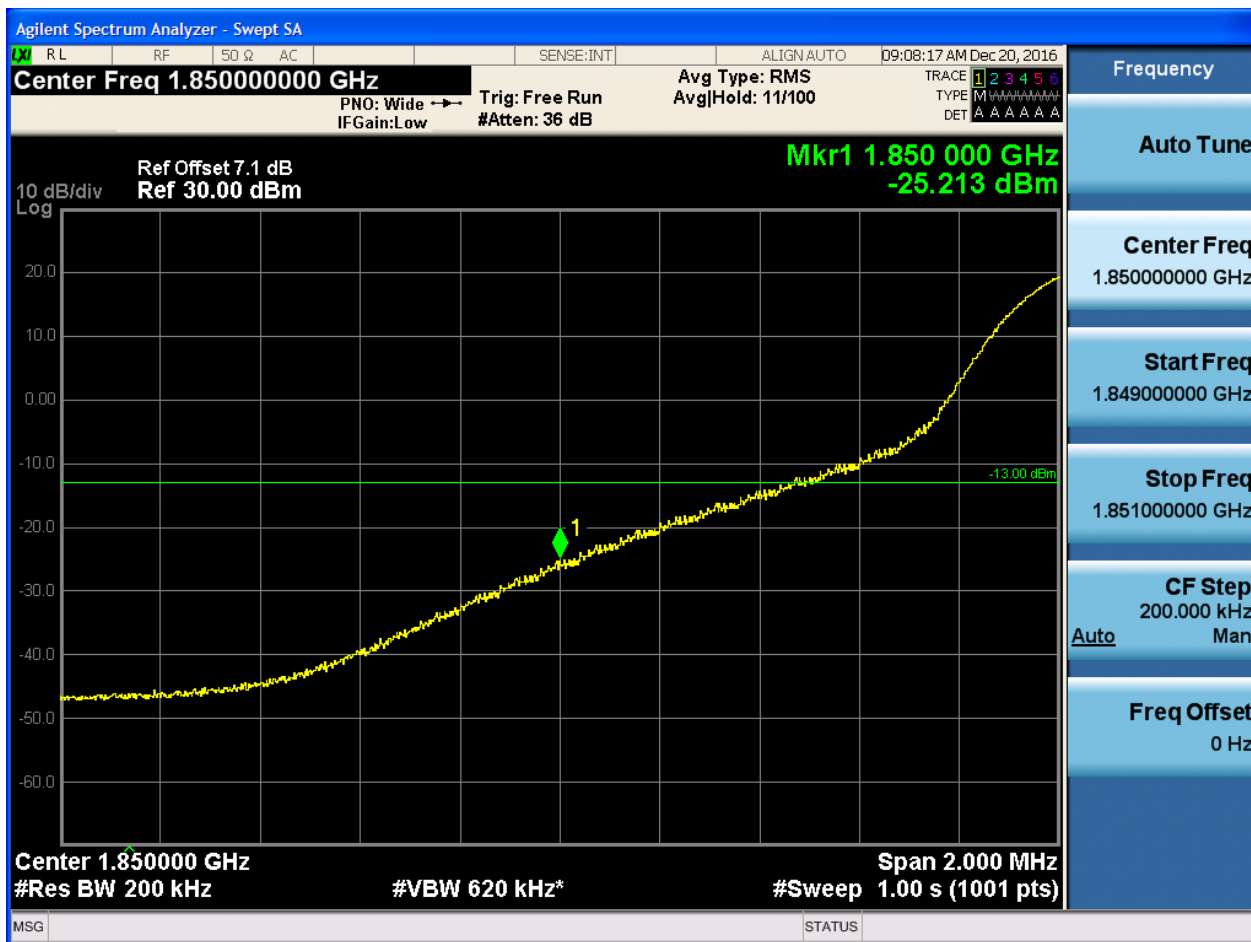




5.1.1.1.6 Test Bandwidth = 20

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



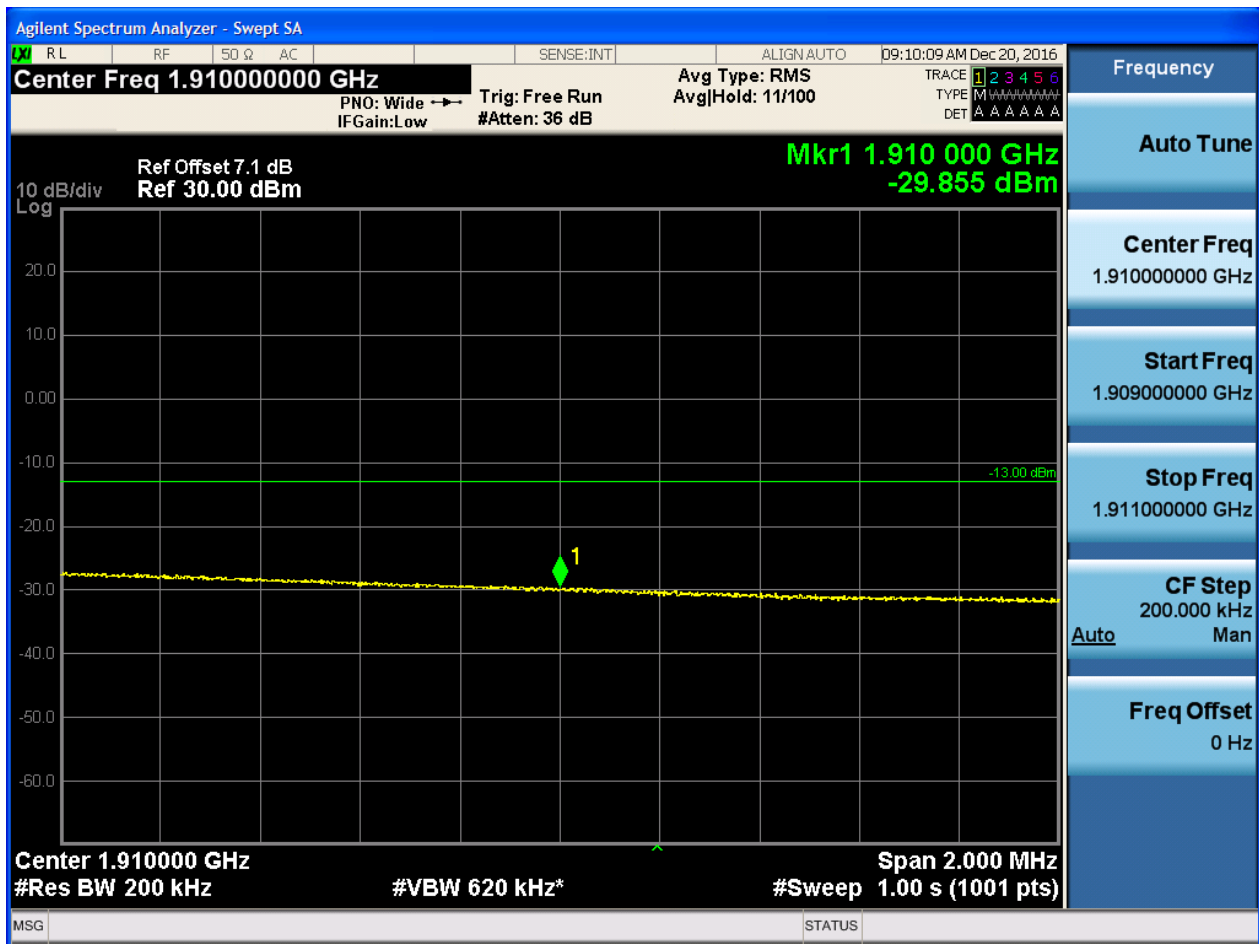


5.1.1.1.6.2.2 Test RB = RB1#99



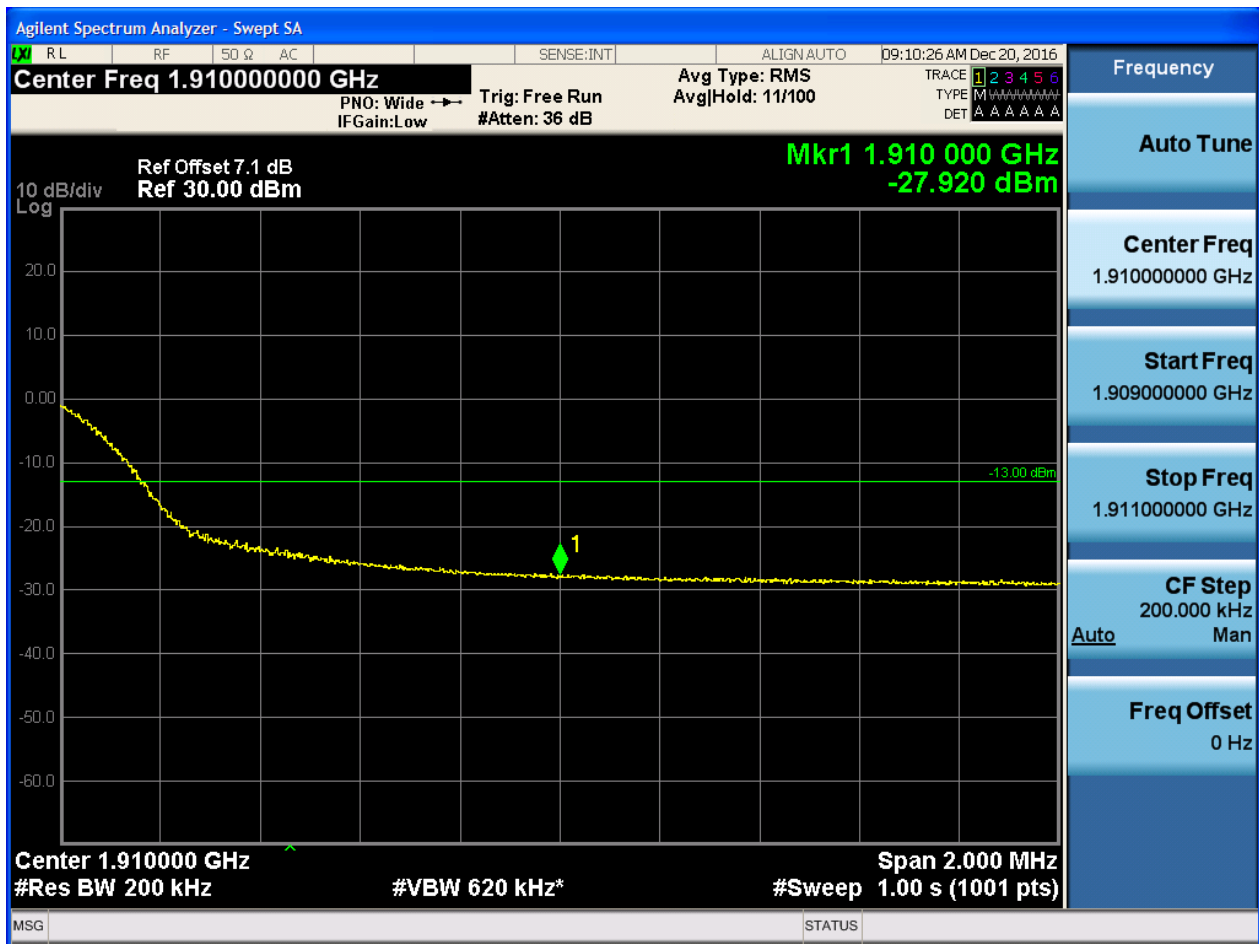


5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0



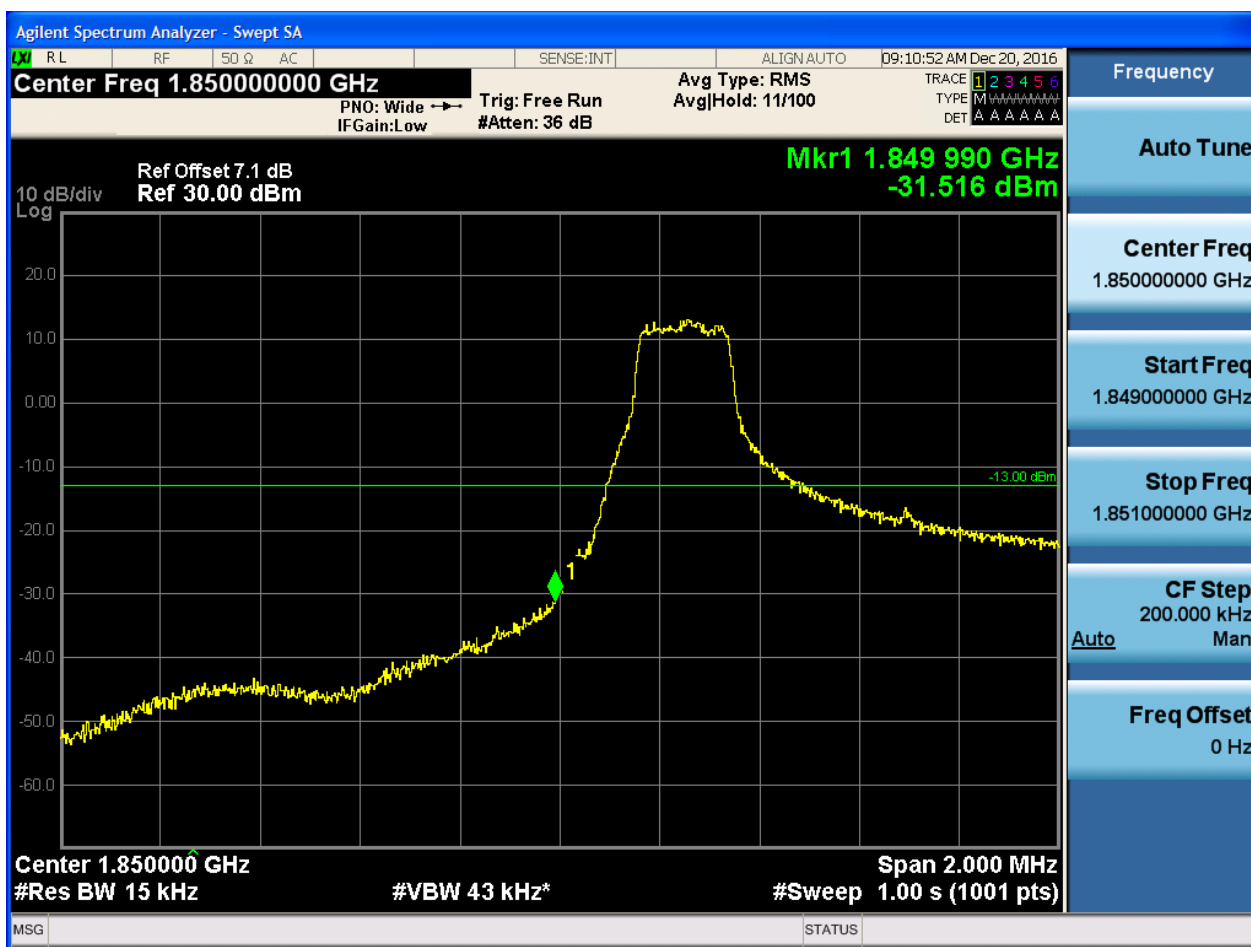


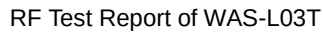
5.1.1.2 Test Mode = LTE/TM2

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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.85000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg|Hold: 10/100

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

Mkr1 1.849 350 GHz
-27.597 dBm

-13.00 dBm

Center 1.850000 GHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
1.85000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

MSG STATUS