



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	22.82	23.32	33	PASS
				RB1#3	22.88	23.38	33	PASS
				RB1#5	22.74	23.24	33	PASS
				RB3#0	22.8	23.3	33	PASS
				RB3#2	22.84	23.34	33	PASS
				RB3#3	22.78	23.28	33	PASS
				RB6#0	21.27	21.77	33	PASS
			MCH	RB1#0	23.52	24.02	33	PASS
				RB1#3	23.48	23.98	33	PASS
				RB1#5	23.25	23.75	33	PASS
				RB3#0	23.44	23.94	33	PASS
				RB3#2	23.41	23.91	33	PASS
				RB3#3	23.24	23.74	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.77	22.27	33	PASS
			HCH	RB1#0	23.08	23.58	33	PASS
				RB1#3	22.83	23.33	33	PASS
				RB1#5	22.47	22.97	33	PASS
				RB3#0	22.94	23.44	33	PASS
				RB3#2	22.78	23.28	33	PASS
				RB3#3	22.62	23.12	33	PASS
				RB6#0	21.56	22.06	33	PASS
		3	LCH	RB1#0	22.76	23.26	33	PASS
				RB1#7	22.98	23.48	33	PASS
				RB1#14	22.66	23.16	33	PASS
				RB8#0	21.31	21.81	33	PASS
				RB8#4	21.33	21.83	33	PASS
				RB8#7	21.27	21.77	33	PASS
				RB15#0	21.28	21.78	33	PASS
			MCH	RB1#0	23.49	23.99	33	PASS
				RB1#7	23.58	24.08	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	23.09	23.59	33	PASS
				RB8#0	21.86	22.36	33	PASS
				RB8#4	21.84	22.34	33	PASS
				RB8#7	21.7	22.2	33	PASS
				RB15#0	21.77	22.27	33	PASS
			HCH	RB1#0	23.62	24.12	33	PASS
				RB1#7	23.35	23.85	33	PASS
				RB1#14	22.41	22.91	33	PASS
				RB8#0	22.14	22.64	33	PASS
				RB8#4	21.9	22.4	33	PASS
				RB8#7	21.57	22.07	33	PASS
				RB15#0	21.86	22.36	33	PASS
		5	LCH	RB1#0	22.69	23.19	33	PASS
				RB1#13	22.95	23.45	33	PASS
				RB1#24	22.58	23.08	33	PASS
				RB12#0	21.28	21.78	33	PASS
				RB12#6	21.42	21.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.3	21.8	33	PASS
				RB25#0	21.28	21.78	33	PASS
			MCH	RB1#0	23.43	23.93	33	PASS
				RB1#13	23.46	23.96	33	PASS
				RB1#24	22.97	23.47	33	PASS
				RB12#0	21.94	22.44	33	PASS
				RB12#6	21.95	22.45	33	PASS
				RB12#13	21.67	22.17	33	PASS
				RB25#0	21.76	22.26	33	PASS
			HCH	RB1#0	23.98	24.48	33	PASS
				RB1#13	23.65	24.15	33	PASS
				RB1#24	22.38	22.88	33	PASS
				RB12#0	22.43	22.93	33	PASS
				RB12#6	22.28	22.78	33	PASS
				RB12#13	21.76	22.26	33	PASS
				RB25#0	22.04	22.54	33	PASS
		10	LCH	RB1#0	22.82	23.32	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	23.04	23.54	33	PASS
				RB1#49	23.12	23.62	33	PASS
				RB25#0	21.42	21.92	33	PASS
				RB25#13	21.44	21.94	33	PASS
				RB25#25	21.48	21.98	33	PASS
				RB50#0	21.52	22.02	33	PASS
			MCH	RB1#0	23.39	23.89	33	PASS
				RB1#25	23.49	23.99	33	PASS
				RB1#49	23.12	23.62	33	PASS
				RB25#0	21.74	22.24	33	PASS
				RB25#13	21.67	22.17	33	PASS
				RB25#25	21.53	22.03	33	PASS
				RB50#0	21.4	21.9	33	PASS
			HCH	RB1#0	23.57	24.07	33	PASS
				RB1#25	24.1	24.6	33	PASS
				RB1#49	22.62	23.12	33	PASS
				RB25#0	22.48	22.98	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.45	22.95	33	PASS
				RB25#25	22	22.5	33	PASS
				RB50#0	22.09	22.59	33	PASS
		15	LCH	RB1#0	22.64	23.14	33	PASS
				RB1#38	23.16	23.66	33	PASS
				RB1#74	23.06	23.56	33	PASS
				RB38#0	21.28	21.78	33	PASS
				RB38#19	21.58	22.08	33	PASS
				RB38#39	21.71	22.21	33	PASS
				RB75#0	21.56	22.06	33	PASS
			MCH	RB1#0	23.33	23.83	33	PASS
				RB1#38	23.33	23.83	33	PASS
				RB1#74	22.87	23.37	33	PASS
				RB38#0	21.73	22.23	33	PASS
				RB38#19	21.62	22.12	33	PASS
				RB38#39	21.57	22.07	33	PASS
				RB75#0	21.78	22.28	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.31	23.81	33	PASS
				RB1#38	23.99	24.49	33	PASS
				RB1#74	22.55	23.05	33	PASS
				RB38#0	22.28	22.78	33	PASS
				RB38#19	22.55	23.05	33	PASS
				RB38#39	22.33	22.83	33	PASS
				RB75#0	22.1	22.6	33	PASS
		20	LCH	RB1#0	22.68	23.18	33	PASS
				RB1#50	23.33	23.83	33	PASS
				RB1#99	22.86	23.36	33	PASS
				RB50#0	21.45	21.95	33	PASS
				RB50#25	21.91	22.41	33	PASS
				RB50#50	21.82	22.32	33	PASS
				RB100#0	21.49	21.99	33	PASS
			MCH	RB1#0	23.12	23.62	33	PASS
				RB1#50	23.4	23.9	33	PASS
				RB1#99	22.7	23.2	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.74	22.24	33	PASS
				RB50#25	21.41	21.91	33	PASS
				RB50#50	21.38	21.88	33	PASS
				RB100#0	21.58	22.08	33	PASS
			HCH	RB1#0	22.97	23.47	33	PASS
				RB1#50	23.7	24.2	33	PASS
				RB1#99	22.53	23.03	33	PASS
				RB50#0	21.81	22.31	33	PASS
	LTE/TM2	1.4	LCH	RB50#25	22.33	22.83	33	PASS
				RB50#50	22.01	22.51	33	PASS
				RB100#0	21.86	22.36	33	PASS
				RB1#0	21.9	22.4	33	PASS
				RB1#3	21.96	22.46	33	PASS
				RB1#5	21.79	22.29	33	PASS
				RB3#0	21.88	22.38	33	PASS
				RB3#2	21.92	22.42	33	PASS
				RB3#3	21.85	22.35	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.31	21.81	33	PASS
				RB1#0	22.48	22.98	33	PASS
			MCH	RB1#3	22.42	22.92	33	PASS
				RB1#5	22.3	22.8	33	PASS
				RB3#0	22.45	22.95	33	PASS
				RB3#2	22.44	22.94	33	PASS
				RB3#3	22.35	22.85	33	PASS
				RB6#0	21.78	22.28	33	PASS
			HCH	RB1#0	22.32	22.82	33	PASS
				RB1#3	22.05	22.55	33	PASS
				RB1#5	21.75	22.25	33	PASS
				RB3#0	22.2	22.7	33	PASS
				RB3#2	22.03	22.53	33	PASS
				RB3#3	21.89	22.39	33	PASS
				RB6#0	21.57	22.07	33	PASS
		3	LCH	RB1#0	21.84	22.34	33	PASS
				RB1#7	22.06	22.56	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.73	22.23	33	PASS
				RB8#0	21.28	21.78	33	PASS
				RB8#4	21.3	21.8	33	PASS
				RB8#7	21.27	21.77	33	PASS
				RB15#0	21.26	21.76	33	PASS
			MCH	RB1#0	22.25	22.75	33	PASS
				RB1#7	22.36	22.86	33	PASS
				RB1#14	21.91	22.41	33	PASS
				RB8#0	21.7	22.2	33	PASS
				RB8#4	21.67	22.17	33	PASS
				RB8#7	21.53	22.03	33	PASS
				RB15#0	21.61	22.11	33	PASS
			HCH	RB1#0	22.99	23.49	33	PASS
				RB1#7	22.77	23.27	33	PASS
				RB1#14	21.88	22.38	33	PASS
				RB8#0	22.1	22.6	33	PASS
				RB8#4	21.87	22.37	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	21.57	22.07	33	PASS
				RB15#0	21.81	22.31	33	PASS
		5	LCH	RB1#0	21.97	22.47	33	PASS
				RB1#13	22.25	22.75	33	PASS
				RB1#24	21.85	22.35	33	PASS
				RB12#0	21.26	21.76	33	PASS
				RB12#6	21.37	21.87	33	PASS
				RB12#13	21.26	21.76	33	PASS
				RB25#0	21.24	21.74	33	PASS
			MCH	RB1#0	22.32	22.82	33	PASS
				RB1#13	22.4	22.9	33	PASS
				RB1#24	22.05	22.55	33	PASS
				RB12#0	21.74	22.24	33	PASS
				RB12#6	21.76	22.26	33	PASS
				RB12#13	21.47	21.97	33	PASS
				RB25#0	21.53	22.03	33	PASS
			HCH	RB1#0	23.56	24.06	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	23.25	23.75	33	PASS
				RB1#24	22.05	22.55	33	PASS
				RB12#0	22.39	22.89	33	PASS
				RB12#6	22.24	22.74	33	PASS
				RB12#13	21.72	22.22	33	PASS
				RB25#0	21.96	22.46	33	PASS
		10	LCH	RB1#0	22.07	22.57	33	PASS
				RB1#25	22.22	22.72	33	PASS
				RB1#49	22.34	22.84	33	PASS
				RB25#0	21.46	21.96	33	PASS
				RB25#13	21.54	22.04	33	PASS
				RB25#25	21.58	22.08	33	PASS
				RB50#0	21.58	22.08	33	PASS
			MCH	RB1#0	22.46	22.96	33	PASS
				RB1#25	22.51	23.01	33	PASS
				RB1#49	22.29	22.79	33	PASS
				RB25#0	21.72	22.22	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.65	22.15	33	PASS
				RB25#25	21.56	22.06	33	PASS
				RB50#0	21.36	21.86	33	PASS
			HCH	RB1#0	22.77	23.27	33	PASS
				RB1#25	23.27	23.77	33	PASS
				RB1#49	21.9	22.4	33	PASS
				RB25#0	22.54	23.04	33	PASS
				RB25#13	22.49	22.99	33	PASS
				RB25#25	22.03	22.53	33	PASS
				RB50#0	22.12	22.62	33	PASS
		15	LCH	RB1#0	21.96	22.46	33	PASS
				RB1#38	22.33	22.83	33	PASS
				RB1#74	22.37	22.87	33	PASS
				RB38#0	21.36	21.86	33	PASS
				RB38#19	21.66	22.16	33	PASS
				RB38#39	21.78	22.28	33	PASS
				RB75#0	21.59	22.09	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.65	23.15	33	PASS
				RB1#38	22.57	23.07	33	PASS
				RB1#74	22.18	22.68	33	PASS
				RB38#0	21.71	22.21	33	PASS
				RB38#19	21.59	22.09	33	PASS
				RB38#39	21.52	22.02	33	PASS
				RB75#0	21.74	22.24	33	PASS
			HCH	RB1#0	22.49	22.99	33	PASS
				RB1#38	23.32	23.82	33	PASS
				RB1#74	21.9	22.4	33	PASS
				RB38#0	22.26	22.76	33	PASS
				RB38#19	22.53	23.03	33	PASS
				RB38#39	22.29	22.79	33	PASS
				RB75#0	22.06	22.56	33	PASS
		20	LCH	RB1#0	22.02	22.52	33	PASS
				RB1#50	22.62	23.12	33	PASS
				RB1#99	22.3	22.8	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.37	21.87	33	PASS
				RB50#25	21.84	22.34	33	PASS
				RB50#50	21.75	22.25	33	PASS
				RB100#0	21.43	21.93	33	PASS
			MCH	RB1#0	22.36	22.86	33	PASS
				RB1#50	22.41	22.91	33	PASS
				RB1#99	21.98	22.48	33	PASS
				RB50#0	21.68	22.18	33	PASS
				RB50#25	21.36	21.86	33	PASS
				RB50#50	21.32	21.82	33	PASS
				RB100#0	21.51	22.01	33	PASS
			HCH	RB1#0	22.37	22.87	33	PASS
				RB1#50	23.17	23.67	33	PASS
				RB1#99	22.01	22.51	33	PASS
				RB50#0	21.76	22.26	33	PASS
				RB50#25	22.28	22.78	33	PASS
				RB50#50	21.95	22.45	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.8	22.3	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:

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

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

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

SET Sweep time=auto-couple.

Detector: RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	5.16	13	PASS
				RB1#3	5.1	13	PASS
				RB1#5	5.21	13	PASS
				RB3#0	5.66	13	PASS
				RB3#2	5.6	13	PASS
				RB3#3	5.61	13	PASS
				RB6#0	6.28	13	PASS
			MCH	RB1#0	5.21	13	PASS
				RB1#3	5.28	13	PASS
				RB1#5	5.21	13	PASS
				RB3#0	5.95	13	PASS
				RB3#2	5.92	13	PASS
				RB3#3	6.04	13	PASS
				RB6#0	6.07	13	PASS
			HCH	RB1#0	4.22	13	PASS
				RB1#3	4.24	13	PASS
				RB1#5	4.42	13	PASS
				RB3#0	4.69	13	PASS
				RB3#2	4.72	13	PASS
				RB3#3	4.85	13	PASS
				RB6#0	5.62	13	PASS
		3	LCH	RB1#0	5.23	13	PASS
				RB1#7	4.99	13	PASS
				RB1#14	5.22	13	PASS
				RB8#0	6.06	13	PASS
				RB8#4	6.19	13	PASS
				RB8#7	6.09	13	PASS
				RB15#0	5.73	13	PASS
			MCH	RB1#0	5.43	13	PASS
				RB1#7	5.25	13	PASS
				RB1#14	5.45	13	PASS
				RB8#0	6.62	13	PASS
				RB8#4	6.71	13	PASS
				RB8#7	6.63	13	PASS
				RB15#0	6.56	13	PASS
			HCH	RB1#0	4.23	13	PASS
				RB1#7	3.96	13	PASS
				RB1#14	4.48	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	5.65	13	PASS
				RB8#4	5.56	13	PASS
				RB8#7	5.6	13	PASS
				RB15#0	5.98	13	PASS
			LCH	RB1#0	5.22	13	PASS
				RB1#13	5.19	13	PASS
				RB1#24	5.25	13	PASS
				RB12#0	6.53	13	PASS
				RB12#6	6.43	13	PASS
				RB12#13	6.49	13	PASS
				RB25#0	6.27	13	PASS
			MCH	RB1#0	5.45	13	PASS
				RB1#13	5.47	13	PASS
				RB1#24	5.51	13	PASS
				RB12#0	6.39	13	PASS
				RB12#6	6.4	13	PASS
				RB12#13	6.43	13	PASS
				RB25#0	6.21	13	PASS
			HCH	RB1#0	4.67	13	PASS
				RB1#13	3.99	13	PASS
				RB1#24	4.45	13	PASS
				RB12#0	5.91	13	PASS
				RB12#6	5.7	13	PASS
				RB12#13	5.75	13	PASS
				RB25#0	6.09	13	PASS
		10	LCH	RB1#0	5.12	13	PASS
				RB1#25	5.08	13	PASS
				RB1#49	5.34	13	PASS
				RB25#0	6.34	13	PASS
				RB25#13	6.33	13	PASS
				RB25#25	6.38	13	PASS
				RB50#0	6.27	13	PASS
			MCH	RB1#0	5.2	13	PASS
				RB1#25	5.41	13	PASS
				RB1#49	5.25	13	PASS
				RB25#0	6.5	13	PASS
				RB25#13	6.48	13	PASS
				RB25#25	6.39	13	PASS
				RB50#0	6.65	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.96	13	PASS
				RB1#25	4.33	13	PASS
				RB1#49	4.28	13	PASS
				RB25#0	6.33	13	PASS
				RB25#13	6.06	13	PASS
				RB25#25	5.83	13	PASS
				RB50#0	6.4	13	PASS
		15	LCH	RB1#0	5.12	13	PASS
				RB1#38	5.23	13	PASS
				RB1#74	5.32	13	PASS
				RB38#0	6.65	13	PASS
				RB38#19	6.67	13	PASS
				RB38#39	6.56	13	PASS
				RB75#0	6.59	13	PASS
			MCH	RB1#0	5.61	13	PASS
				RB1#38	5.54	13	PASS
				RB1#74	5.47	13	PASS
				RB38#0	6.68	13	PASS
				RB38#19	6.67	13	PASS
				RB38#39	6.6	13	PASS
				RB75#0	6.7	13	PASS
			HCH	RB1#0	5.68	13	PASS
				RB1#38	5.44	13	PASS
				RB1#74	4.71	13	PASS
				RB38#0	6.74	13	PASS
				RB38#19	6.73	13	PASS
				RB38#39	6.23	13	PASS
				RB75#0	6.68	13	PASS
		20	LCH	RB1#0	5.66	13	PASS
				RB1#50	5.7	13	PASS
				RB1#99	5.96	13	PASS
				RB50#0	6.56	13	PASS
				RB50#25	6.6	13	PASS
				RB50#50	6.8	13	PASS
				RB100#0	6.68	13	PASS
			MCH	RB1#0	5.72	13	PASS
				RB1#50	5.56	13	PASS
				RB1#99	5.86	13	PASS
				RB50#0	6.58	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	6.62	13	PASS
				RB50#50	6.47	13	PASS
				RB100#0	6.68	13	PASS
			HCH	RB1#0	5.48	13	PASS
				RB1#50	5.42	13	PASS
				RB1#99	4.96	13	PASS
				RB50#0	6.62	13	PASS
				RB50#25	6.66	13	PASS
				RB50#50	6.5	13	PASS
				RB100#0	6.77	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	6.05	13	PASS
				RB1#3	6.1	13	PASS
				RB1#5	6.01	13	PASS
				RB3#0	6.39	13	PASS
				RB3#2	6.41	13	PASS
				RB3#3	6.31	13	PASS
				RB6#0	6.57	13	PASS
			MCH	RB1#0	6.23	13	PASS
				RB1#3	6.38	13	PASS
				RB1#5	6.32	13	PASS
				RB3#0	6.94	13	PASS
				RB3#2	6.89	13	PASS
				RB3#3	6.96	13	PASS
				RB6#0	6.65	13	PASS
			HCH	RB1#0	4.71	13	PASS
				RB1#3	4.84	13	PASS
				RB1#5	4.91	13	PASS
				RB3#0	5.36	13	PASS
				RB3#2	5.44	13	PASS
				RB3#3	5.48	13	PASS
				RB6#0	6.37	13	PASS
		3	LCH	RB1#0	6.16	13	PASS
				RB1#7	5.93	13	PASS
				RB1#14	6.18	13	PASS
				RB8#0	6.43	13	PASS
				RB8#4	6.55	13	PASS
				RB8#7	6.53	13	PASS
				RB15#0	7.15	13	PASS
			MCH	RB1#0	6.06	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	5.85	13	PASS
				RB1#14	6.09	13	PASS
				RB8#0	6.92	13	PASS
				RB8#4	6.65	13	PASS
				RB8#7	6.78	13	PASS
				RB15#0	6.59	13	PASS
			HCH	RB1#0	4.9	13	PASS
				RB1#7	4.54	13	PASS
				RB1#14	4.95	13	PASS
				RB8#0	6.06	13	PASS
				RB8#4	5.95	13	PASS
				RB8#7	6.04	13	PASS
				RB15#0	6.4	13	PASS
		5	LCH	RB1#0	6.22	13	PASS
				RB1#13	6.27	13	PASS
				RB1#24	6.37	13	PASS
				RB12#0	7.18	13	PASS
				RB12#6	7.13	13	PASS
				RB12#13	7.14	13	PASS
				RB25#0	7.04	13	PASS
			MCH	RB1#0	6.09	13	PASS
				RB1#13	6.15	13	PASS
				RB1#24	6.15	13	PASS
				RB12#0	7	13	PASS
				RB12#6	6.9	13	PASS
				RB12#13	6.97	13	PASS
				RB25#0	7.28	13	PASS
			HCH	RB1#0	5	13	PASS
				RB1#13	4.48	13	PASS
				RB1#24	4.82	13	PASS
				RB12#0	6.18	13	PASS
				RB12#6	5.86	13	PASS
				RB12#13	6.02	13	PASS
				RB25#0	6.55	13	PASS
		10	LCH	RB1#0	5.86	13	PASS
				RB1#25	6.3	13	PASS
				RB1#49	6.34	13	PASS
				RB25#0	6.95	13	PASS
				RB25#13	6.94	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	6.88	13	PASS
				RB50#0	7.19	13	PASS
			MCH	RB1#0	6.35	13	PASS
				RB1#25	6.58	13	PASS
				RB1#49	6.4	13	PASS
				RB25#0	7.18	13	PASS
				RB25#13	7.26	13	PASS
				RB25#25	7.15	13	PASS
				RB50#0	7.47	13	PASS
			HCH	RB1#0	5.7	13	PASS
				RB1#25	4.99	13	PASS
				RB1#49	4.75	13	PASS
				RB25#0	7.11	13	PASS
				RB25#13	6.66	13	PASS
				RB25#25	6.38	13	PASS
				RB50#0	6.82	13	PASS
		15	LCH	RB1#0	6.42	13	PASS
				RB1#38	6.69	13	PASS
				RB1#74	6.6	13	PASS
				RB38#0	7.16	13	PASS
				RB38#19	7.29	13	PASS
				RB38#39	7.03	13	PASS
				RB75#0	7.63	13	PASS
			MCH	RB1#0	6.61	13	PASS
				RB1#38	6.54	13	PASS
				RB1#74	6.35	13	PASS
				RB38#0	7.14	13	PASS
				RB38#19	7.24	13	PASS
				RB38#39	7.09	13	PASS
				RB75#0	7.3	13	PASS
			HCH	RB1#0	5.97	13	PASS
				RB1#38	5.89	13	PASS
				RB1#74	5.24	13	PASS
				RB38#0	7.29	13	PASS
				RB38#19	7.07	13	PASS
				RB38#39	6.52	13	PASS
				RB75#0	7.22	13	PASS
		20	LCH	RB1#0	5.83	13	PASS
				RB1#50	6.05	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	6.38	13	PASS
				RB50#0	7.15	13	PASS
				RB50#25	7.17	13	PASS
				RB50#50	7.44	13	PASS
				RB100#0	7.39	13	PASS
			MCH	RB1#0	6.33	13	PASS
				RB1#50	5.76	13	PASS
				RB1#99	6.21	13	PASS
				RB50#0	7.1	13	PASS
				RB50#25	7.31	13	PASS
				RB50#50	7.01	13	PASS
				RB100#0	7.45	13	PASS
			HCH	RB1#0	6.53	13	PASS
				RB1#50	6.36	13	PASS
				RB1#99	5.31	13	PASS
				RB50#0	7.32	13	PASS
				RB50#25	7.16	13	PASS
				RB50#50	6.92	13	PASS
				RB100#0	7.47	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

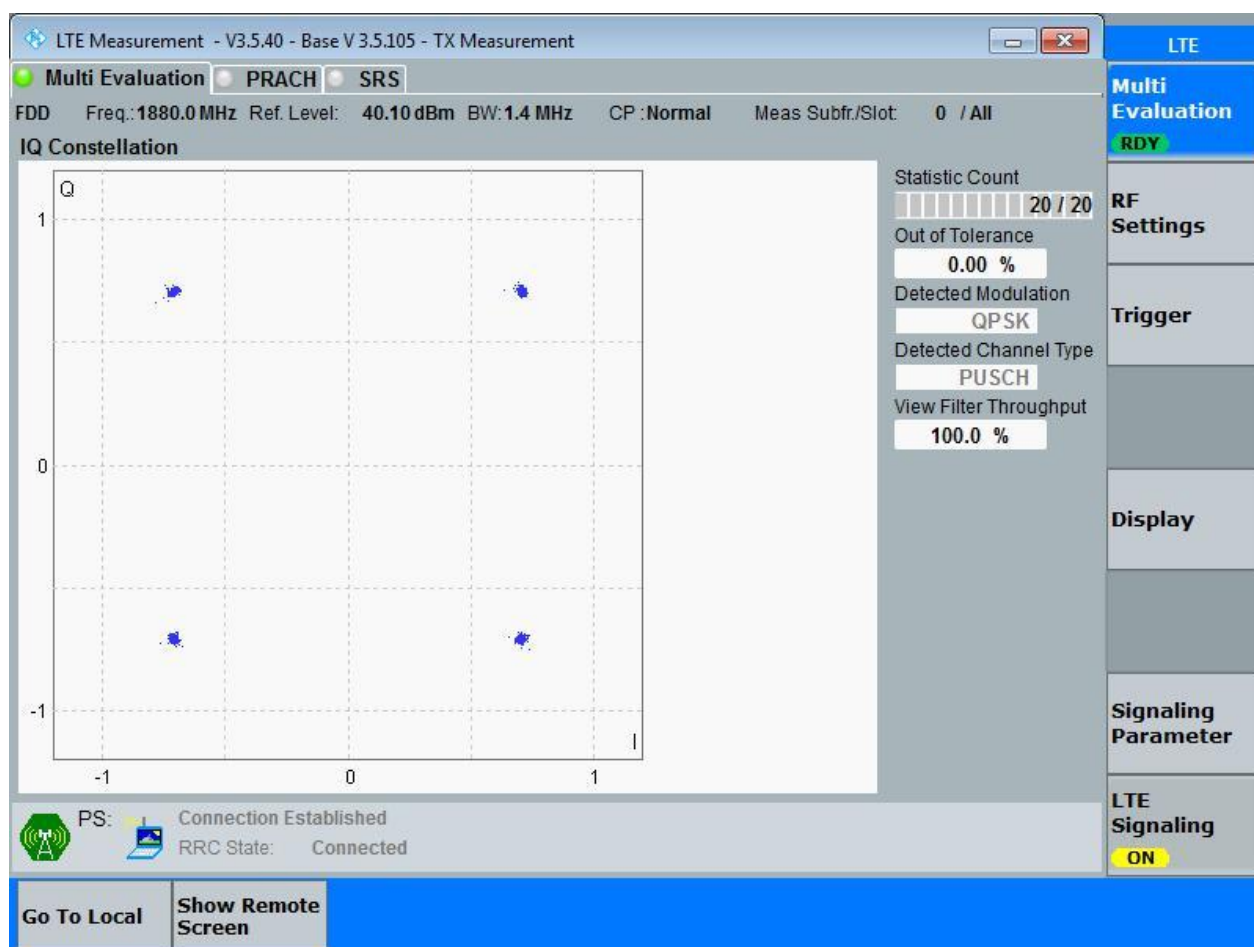
3.1.1 Test Band = BAND2

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

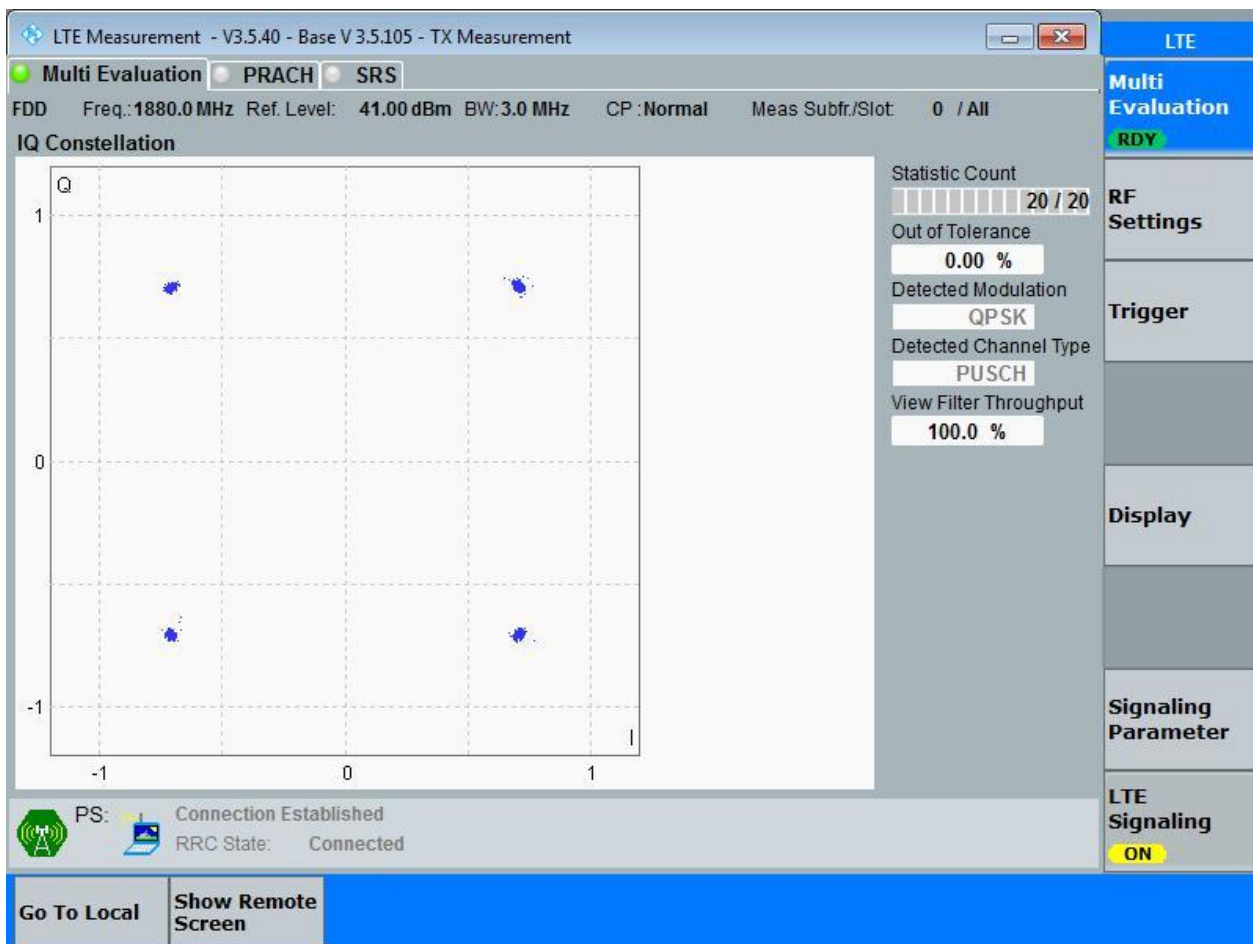
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

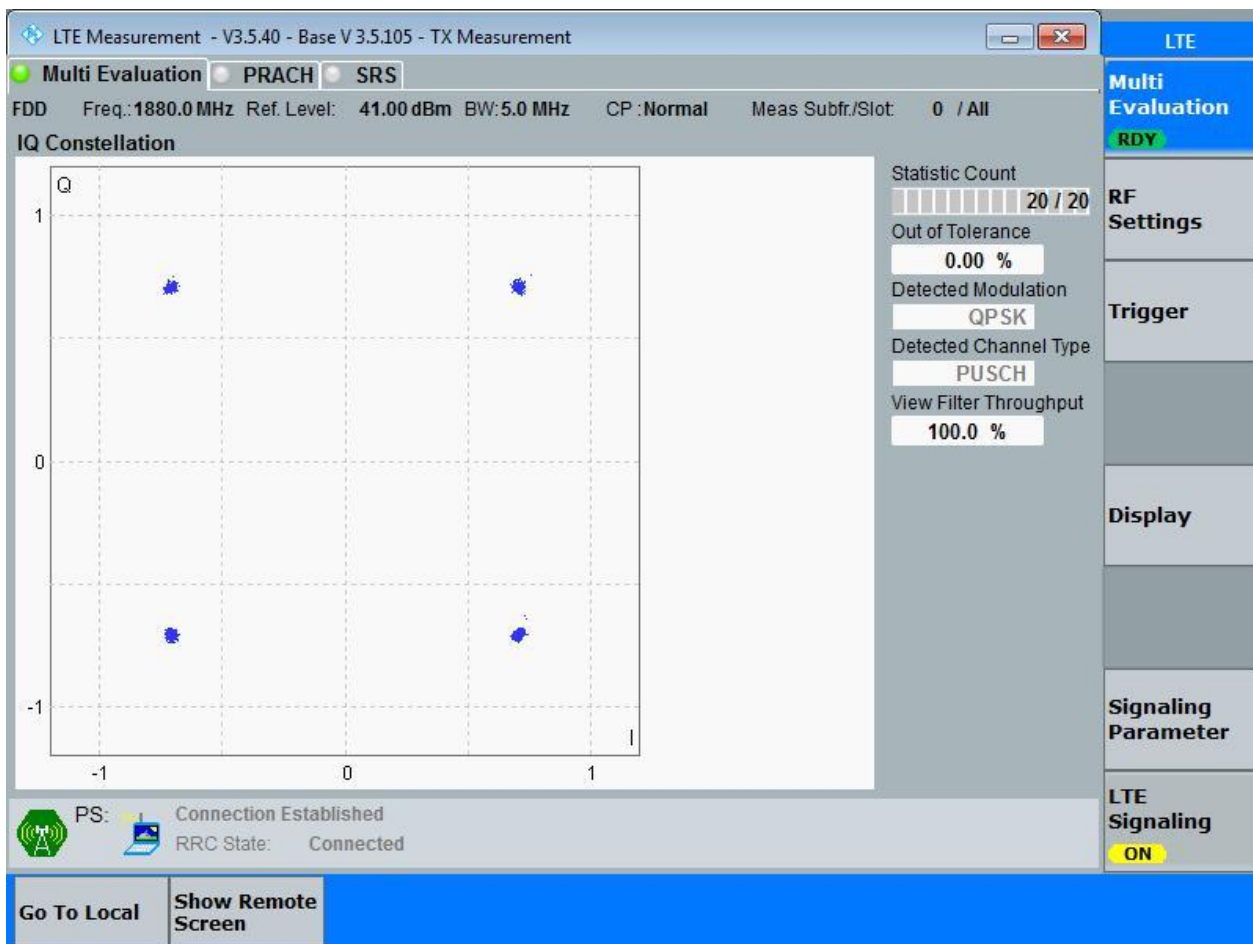
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

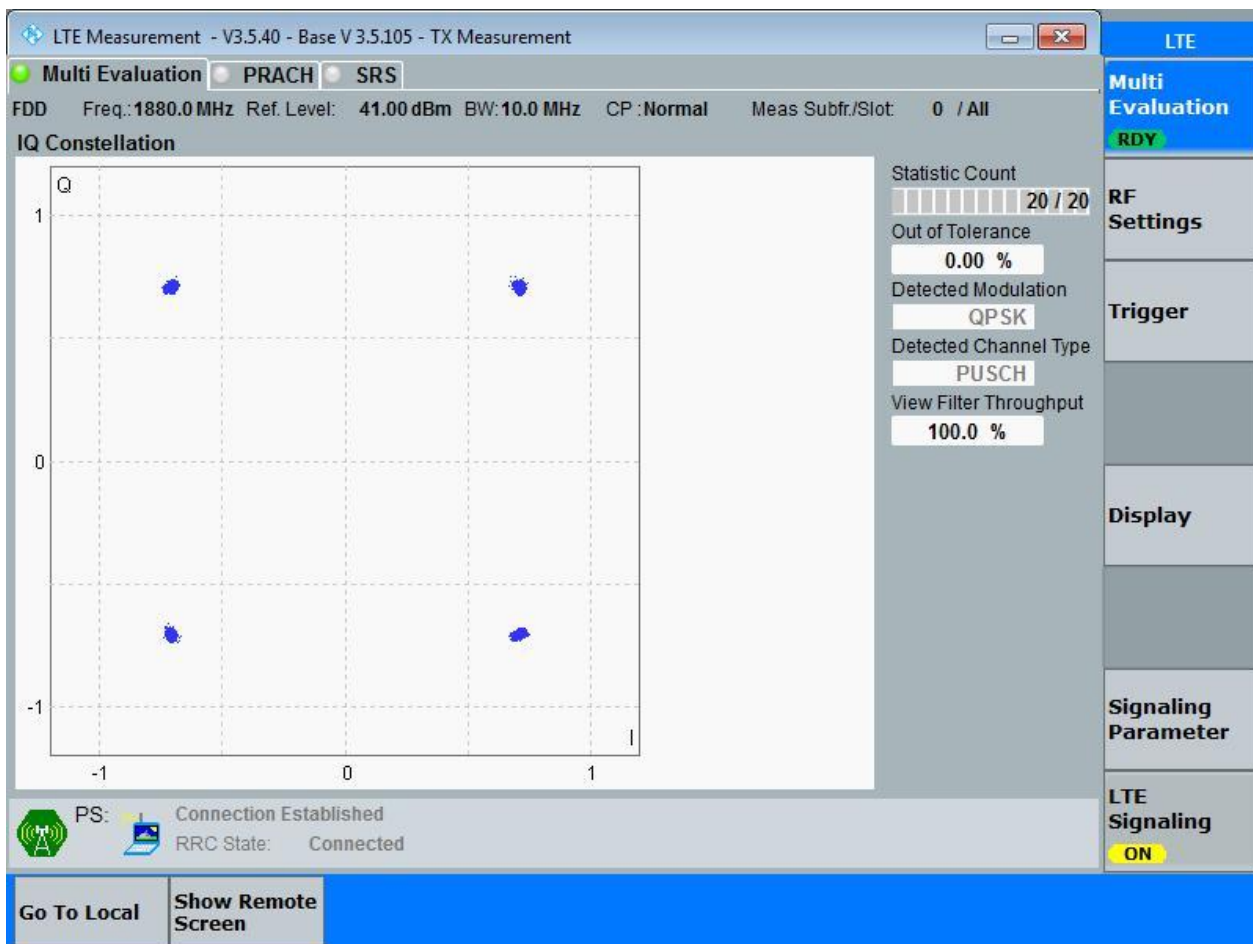
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

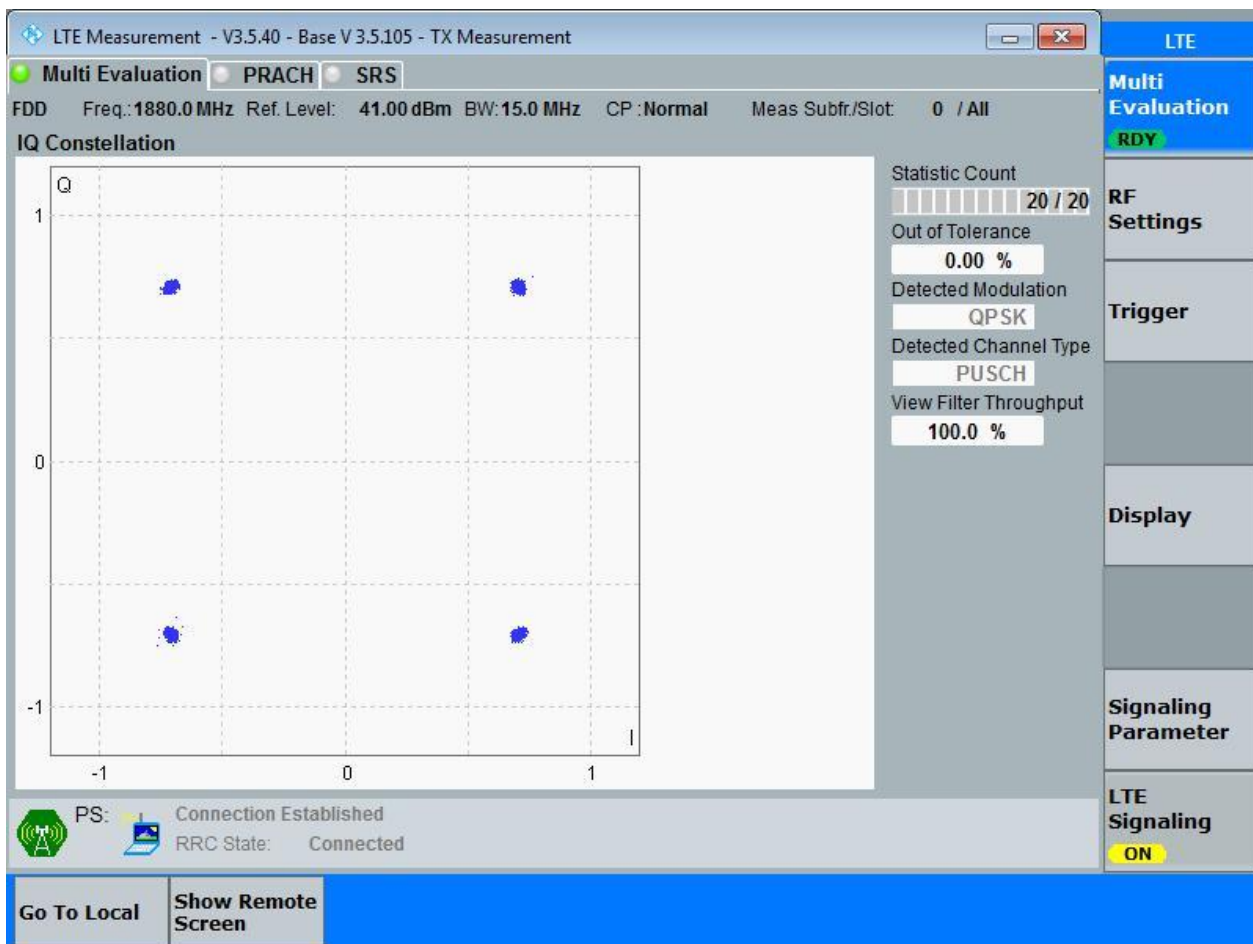
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

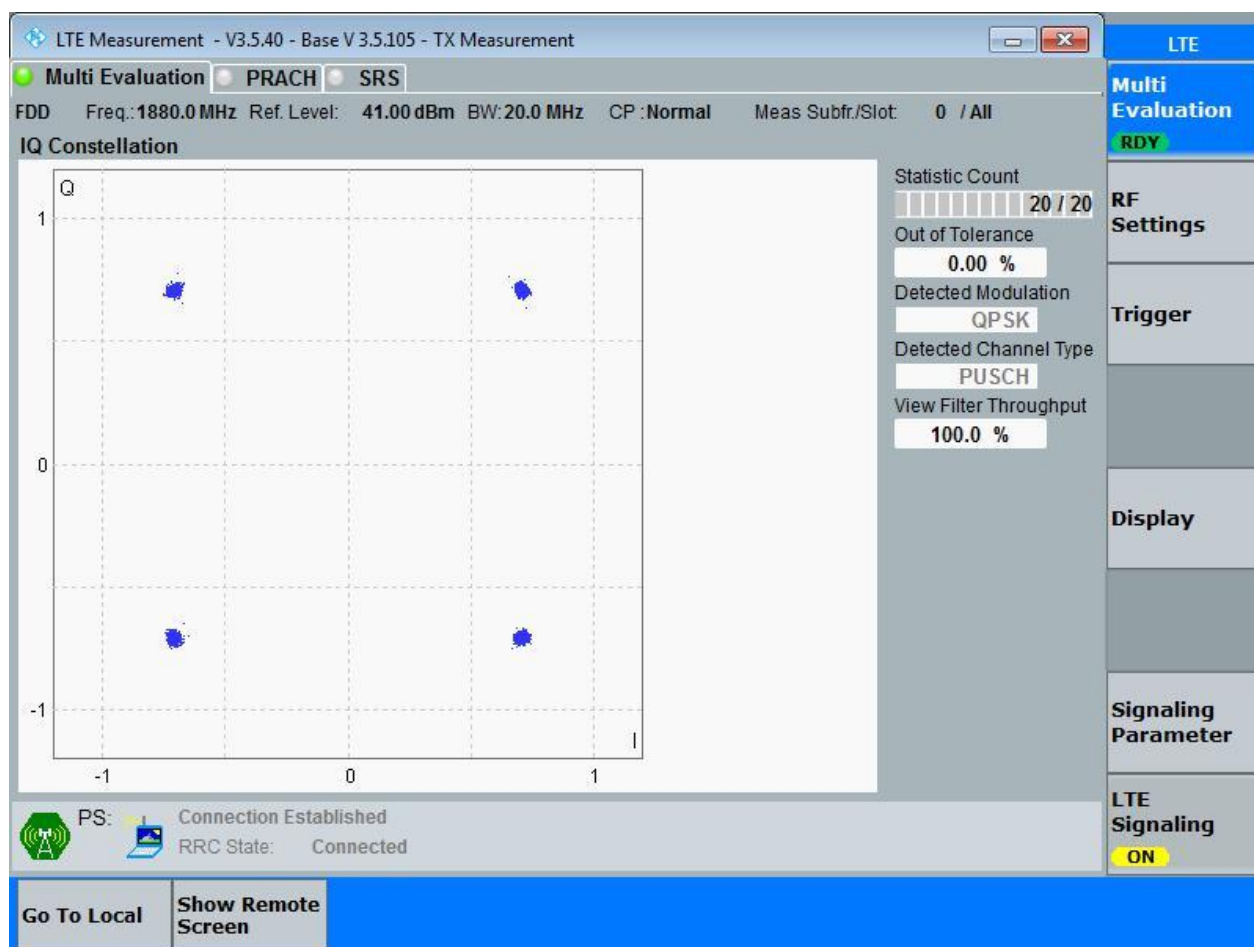
3.1.1.1.5.1.1 Test RB = RB75#0



3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0

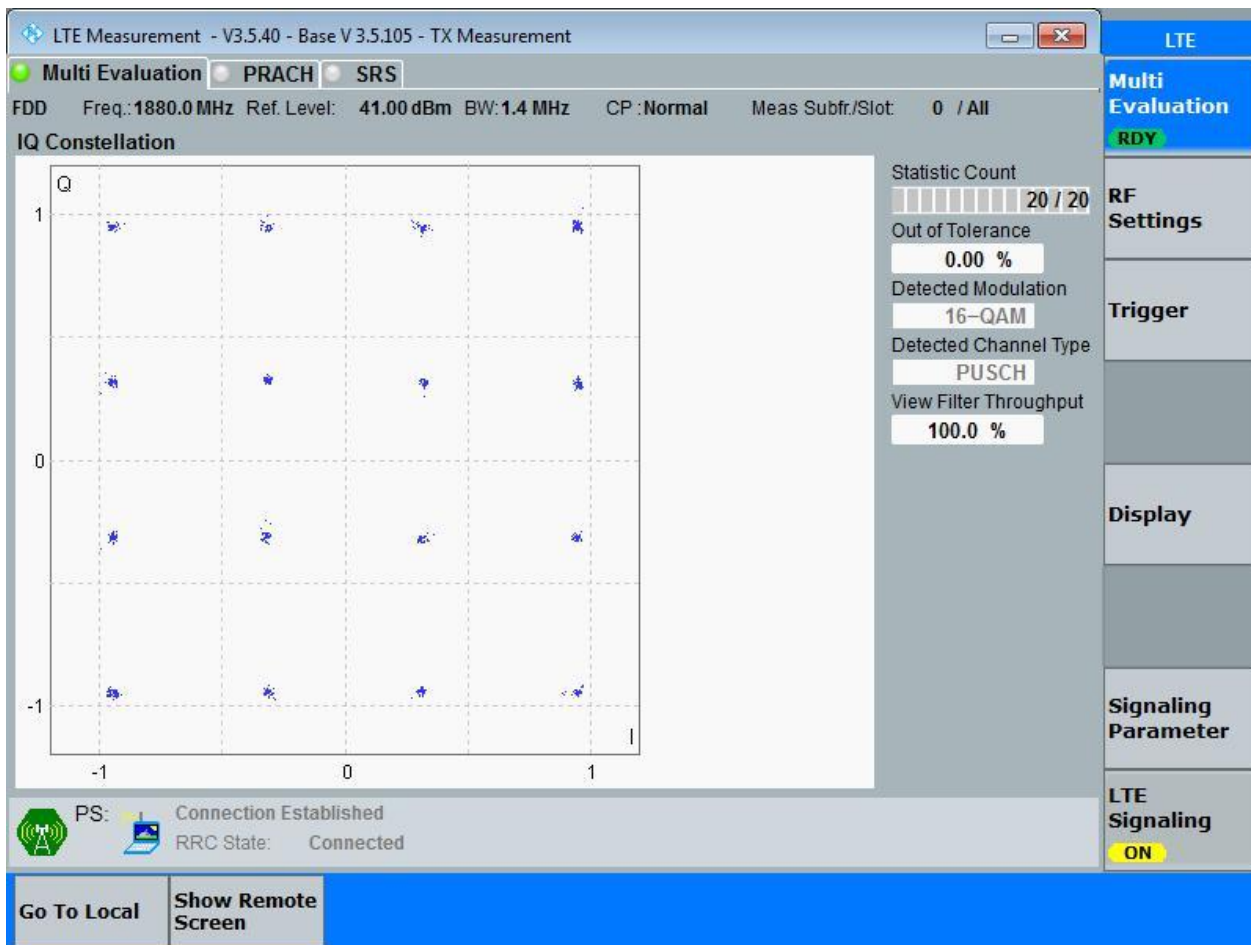


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

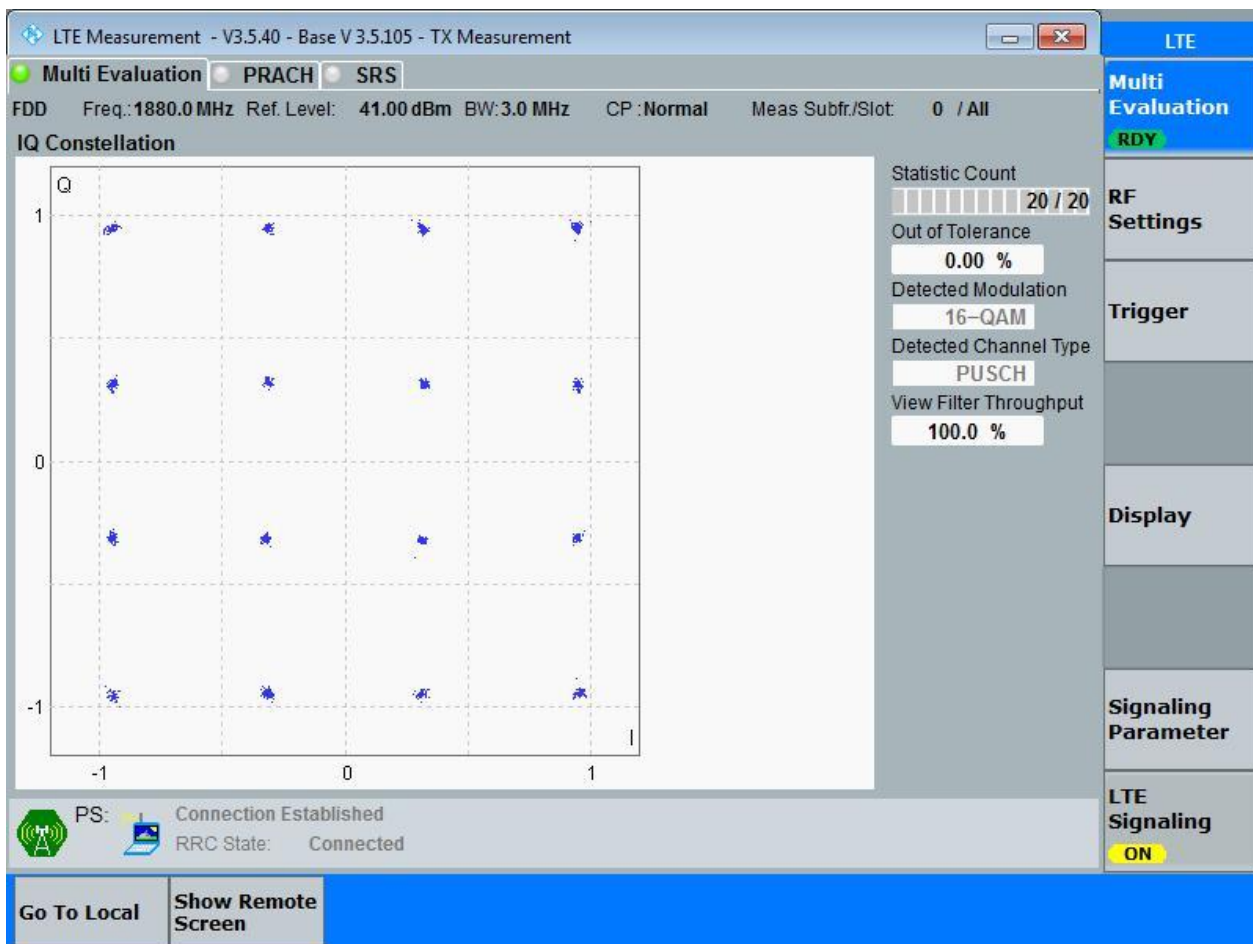
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

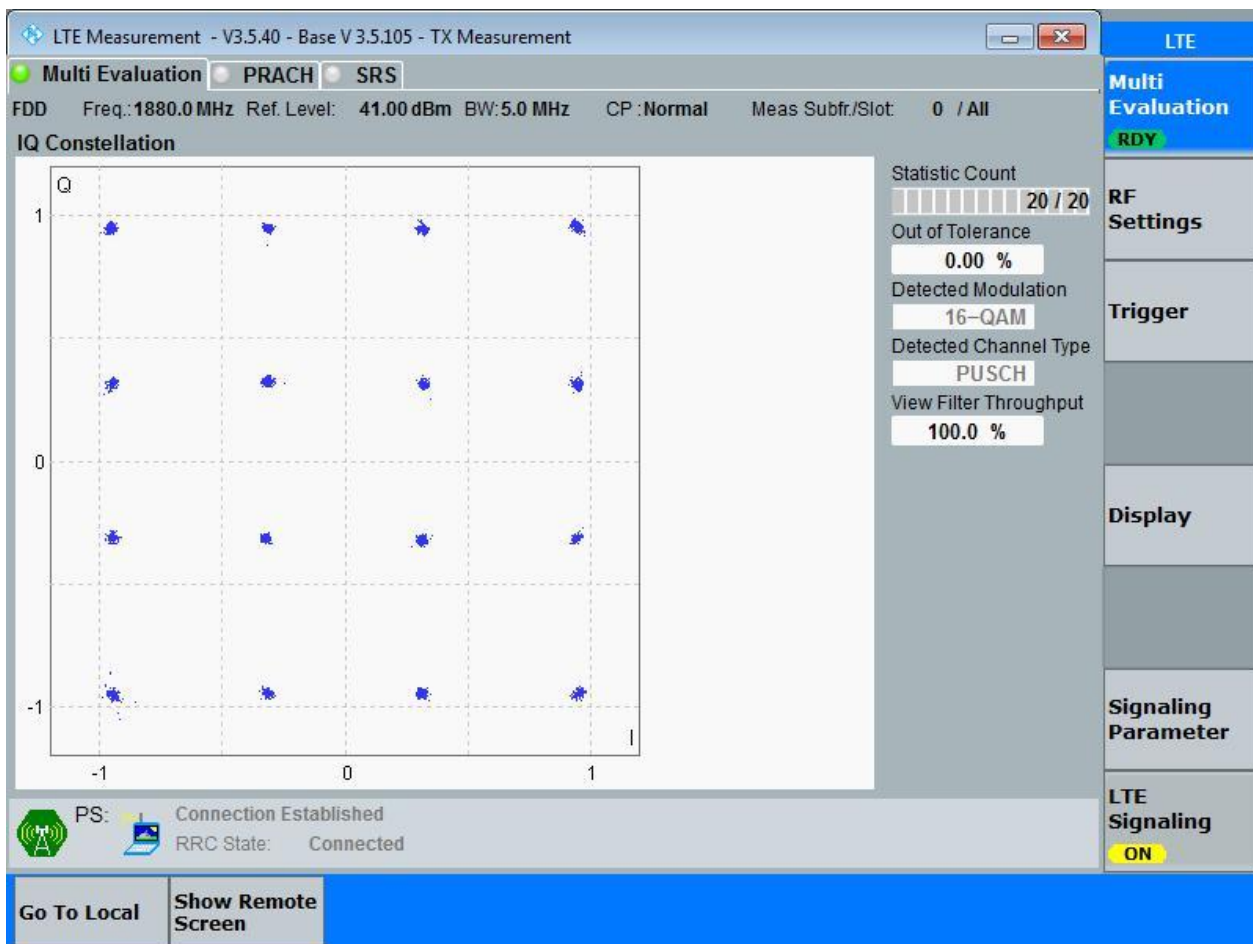
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

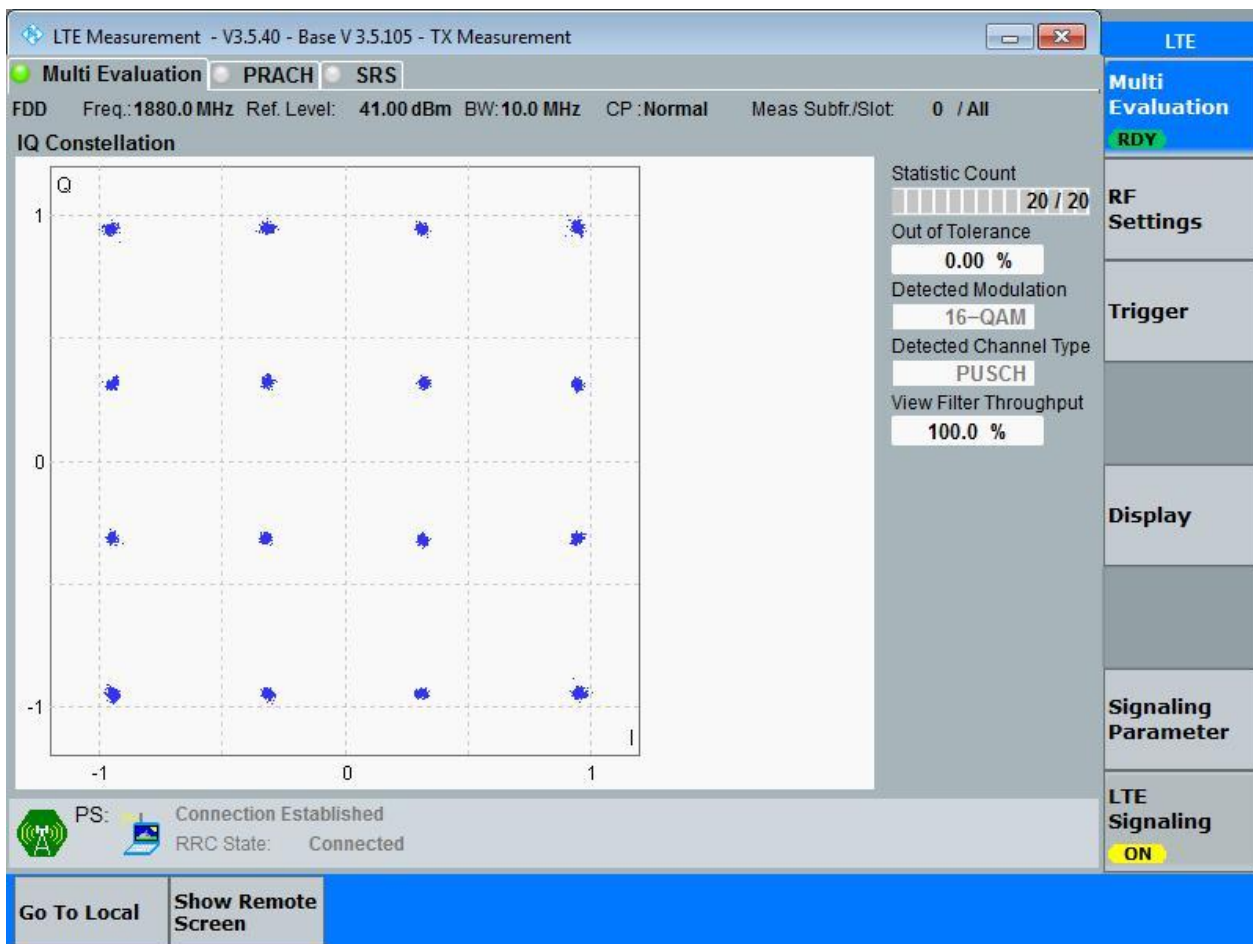
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

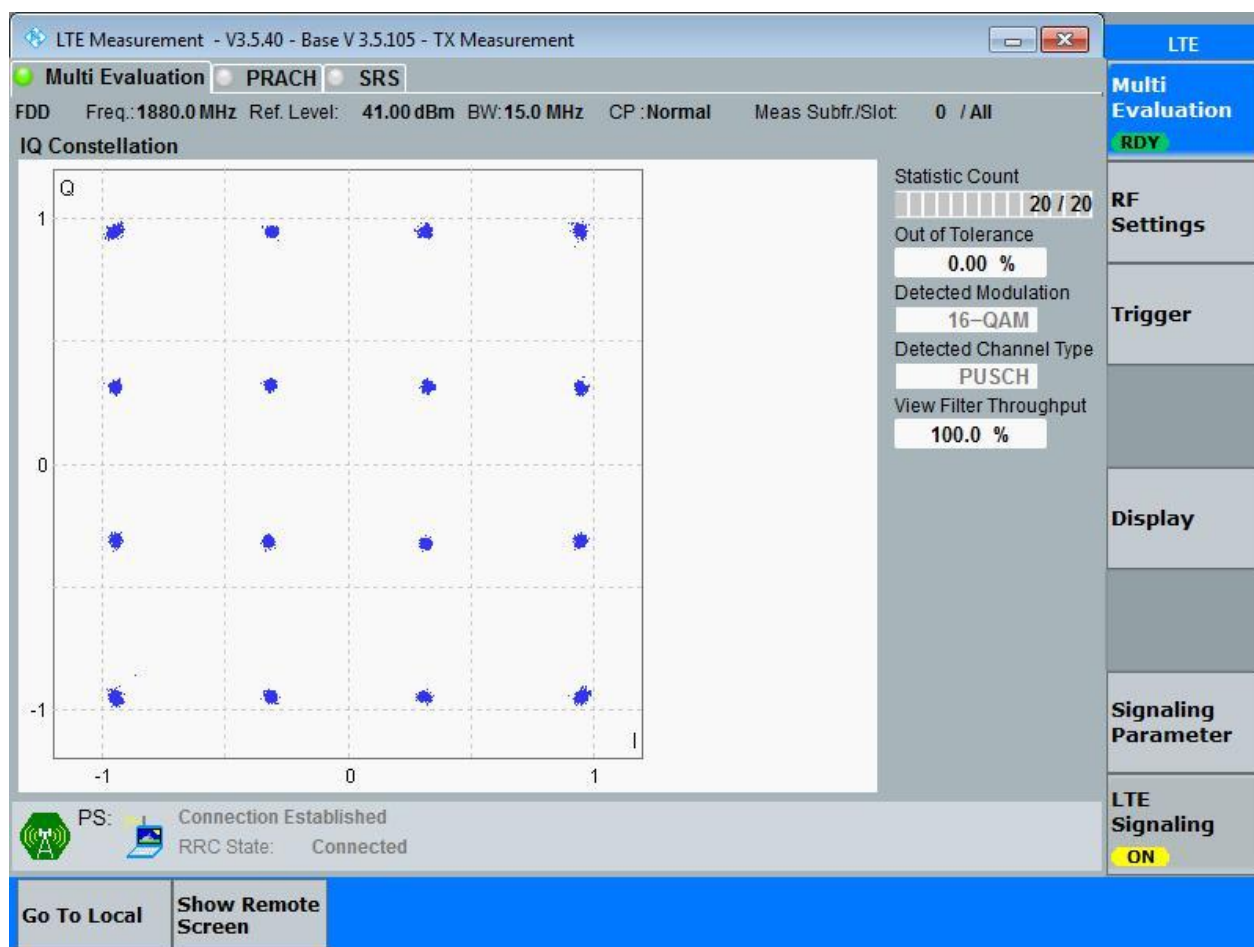
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

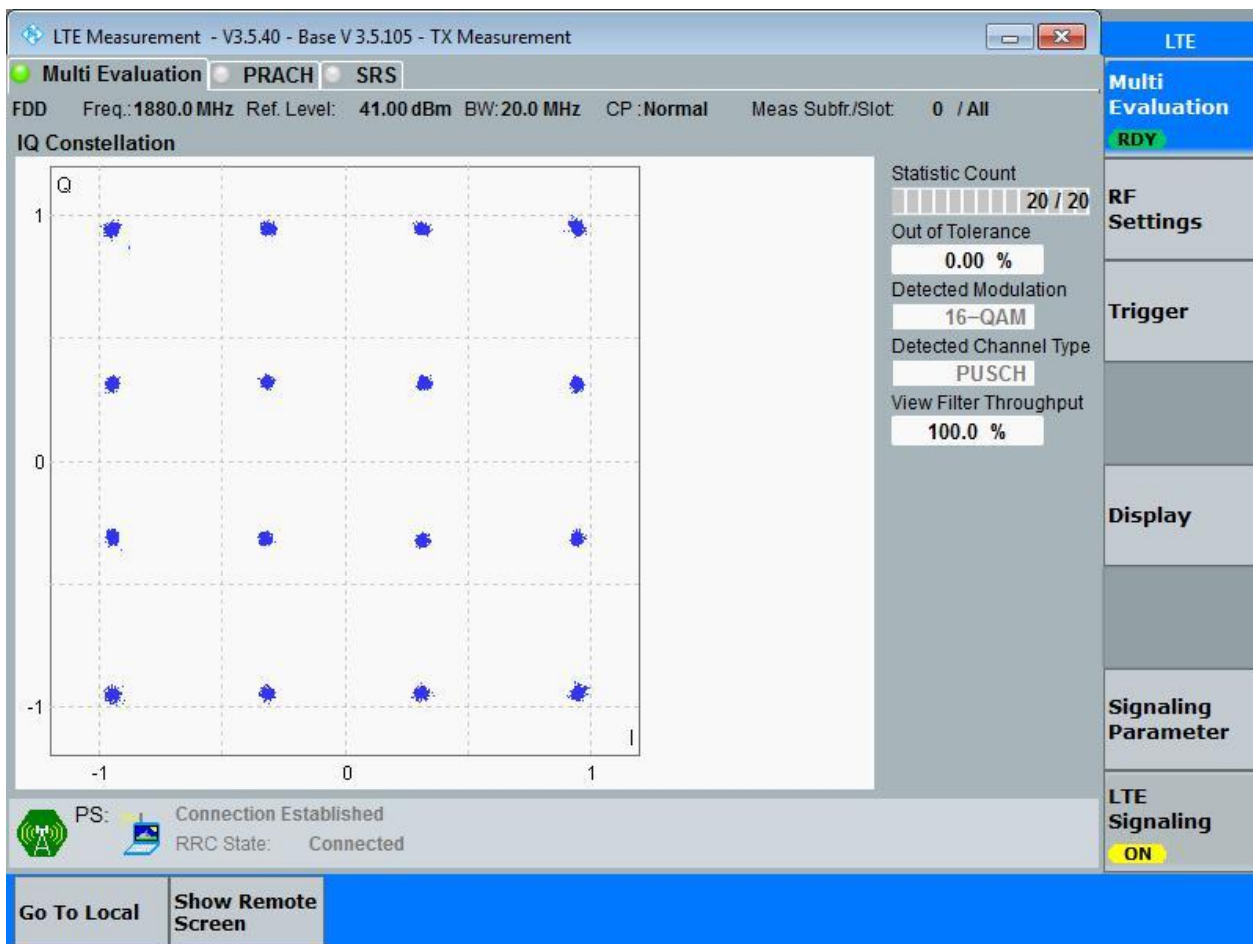
3.1.1.2.5.1.1 Test RB = RB75#0



3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 Test RB = RB100#0





4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.97	Pass
			HCH	RB15#0	2.70	2.96	Pass
		5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.51	4.97	Pass
			HCH	RB25#0	4.49	4.96	Pass
		10	LCH	RB50#0	9.00	9.93	Pass
			MCH	RB50#0	8.99	9.90	Pass
			HCH	RB50#0	8.98	9.88	Pass
		15	LCH	RB75#0	13.48	15.07	Pass
			MCH	RB75#0	13.49	15.04	Pass
			HCH	RB75#0	13.50	15.00	Pass
		20	LCH	RB100#0	17.97	19.74	Pass
			MCH	RB100#0	17.94	19.63	Pass
			HCH	RB100#0	18.05	19.78	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.23	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.10	1.25	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.97	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.51	4.96	Pass
			MCH	RB25#0	4.52	4.98	Pass
			HCH	RB25#0	4.50	4.97	Pass
		10	LCH	RB50#0	9.00	9.94	Pass
			MCH	RB50#0	8.99	9.89	Pass
			HCH	RB50#0	9.00	9.89	Pass
		15	LCH	RB75#0	13.47	14.93	Pass
			MCH	RB75#0	13.48	14.97	Pass
			HCH	RB75#0	13.49	14.95	Pass
		20	LCH	RB100#0	18.01	19.82	Pass
			MCH	RB100#0	17.94	19.76	Pass
			HCH	RB100#0	18.01	19.73	Pass



Part II - Test Plots

4.1 For LTE

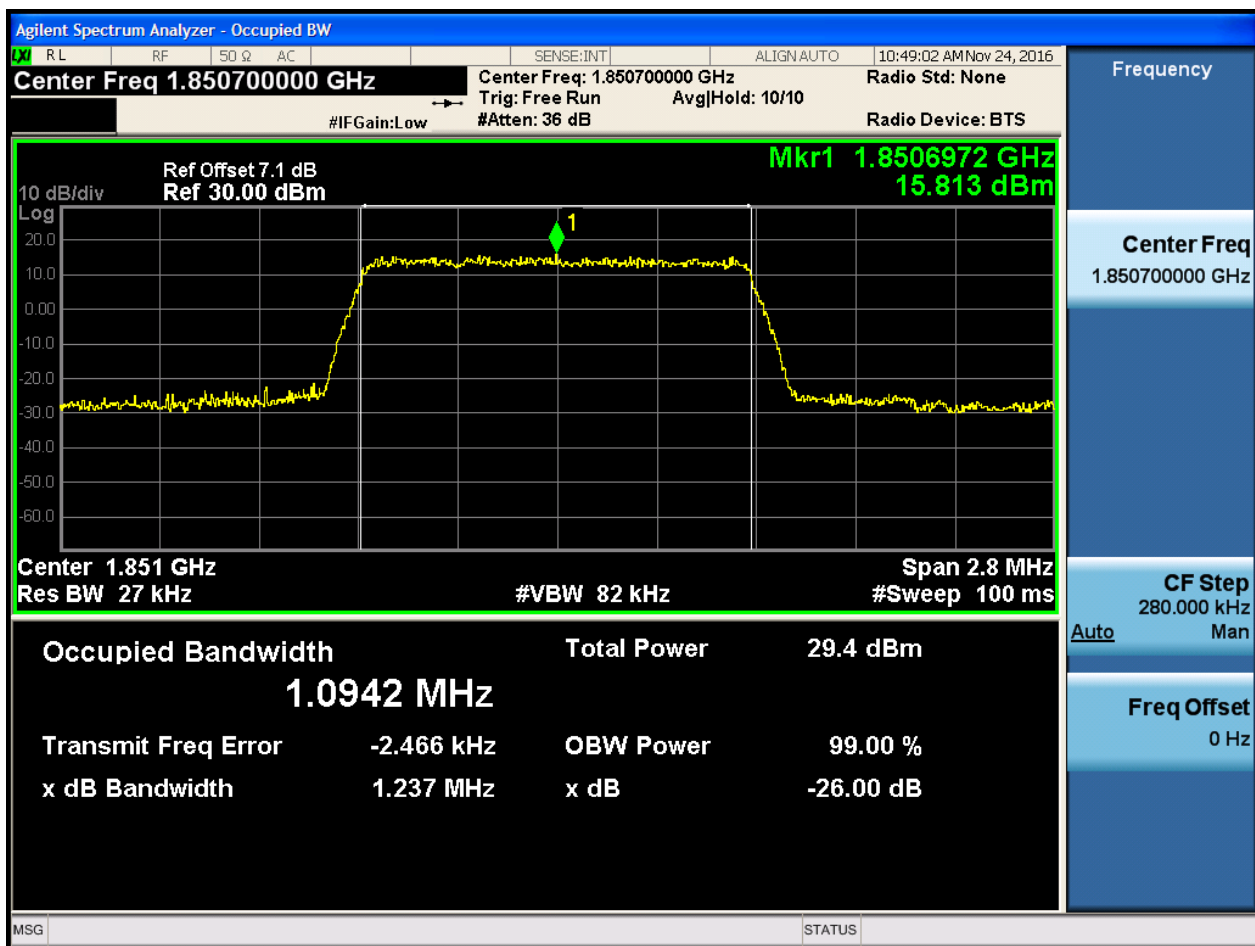
4.1.1 Test Band = BAND2

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

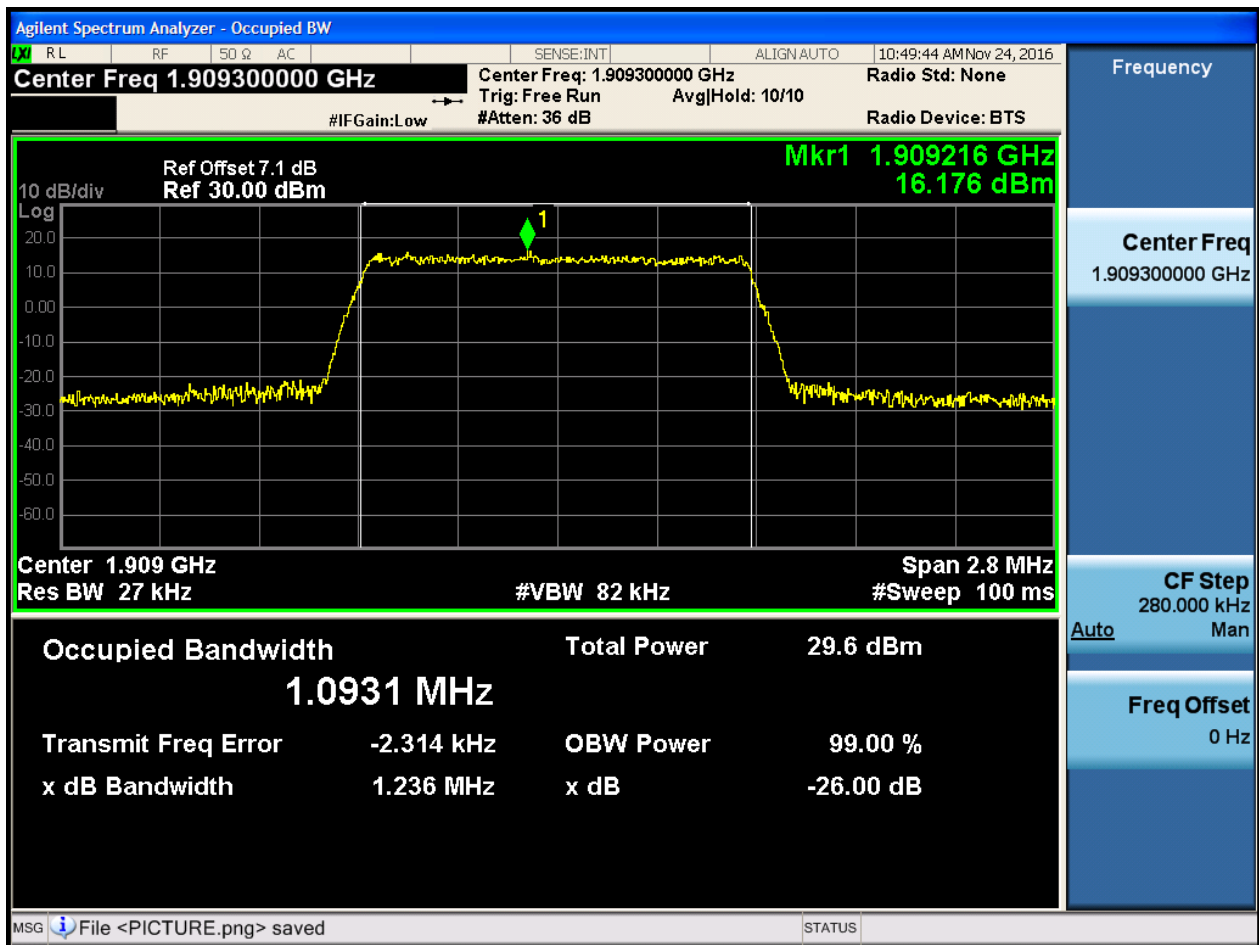
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

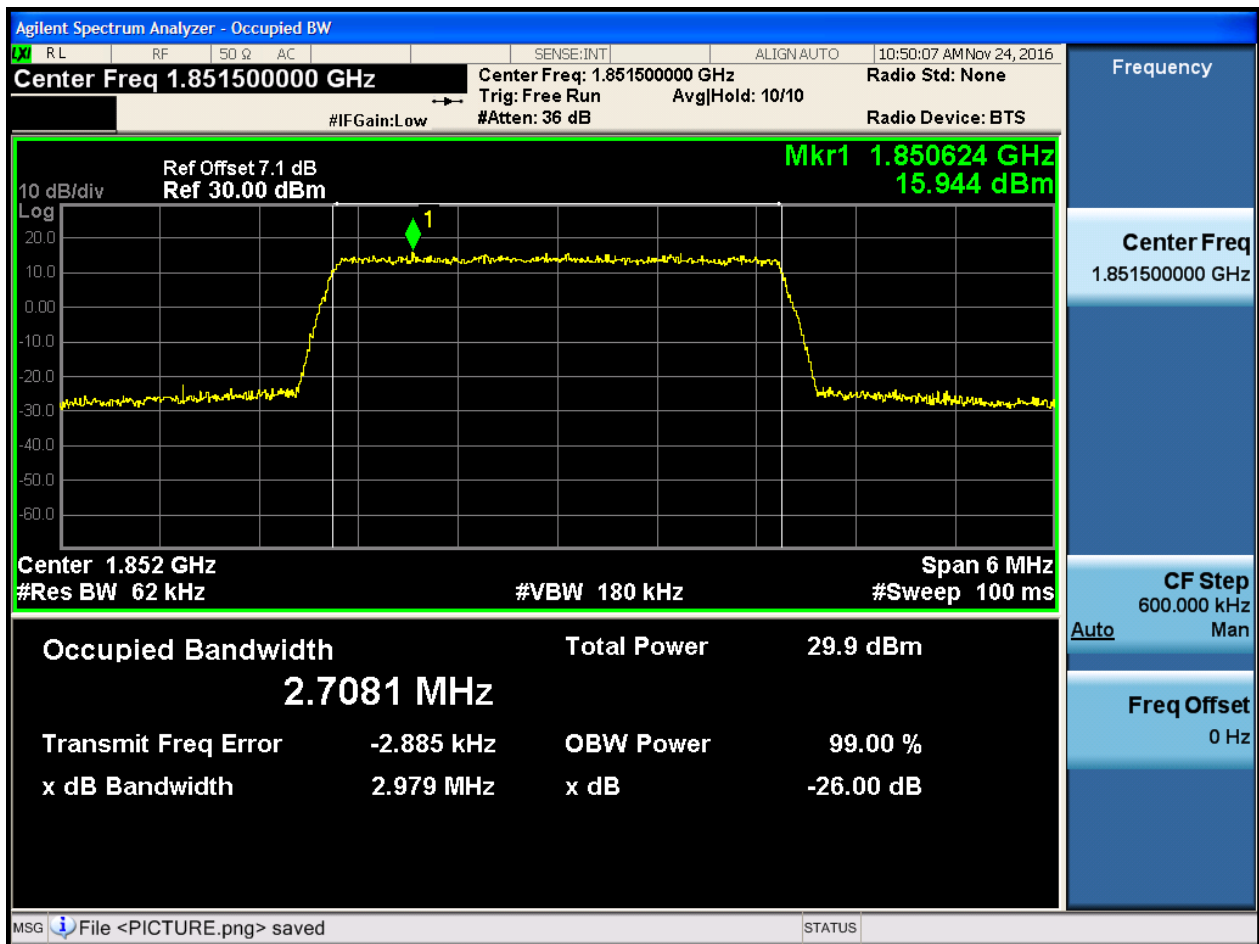




4.1.1.1.2 Test Bandwidth = 3

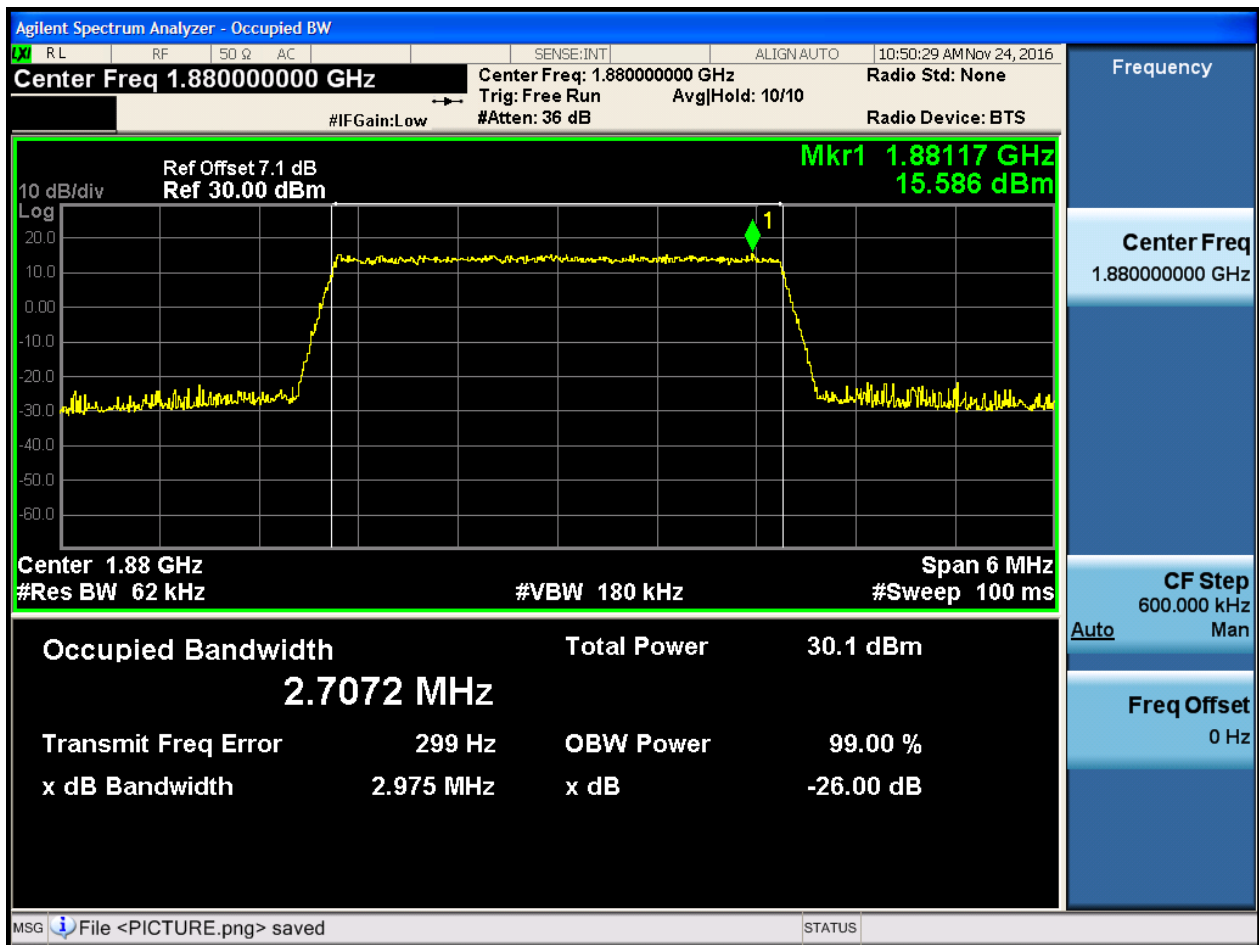
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



4.1.1.1.2.2 Test Channel = MCH

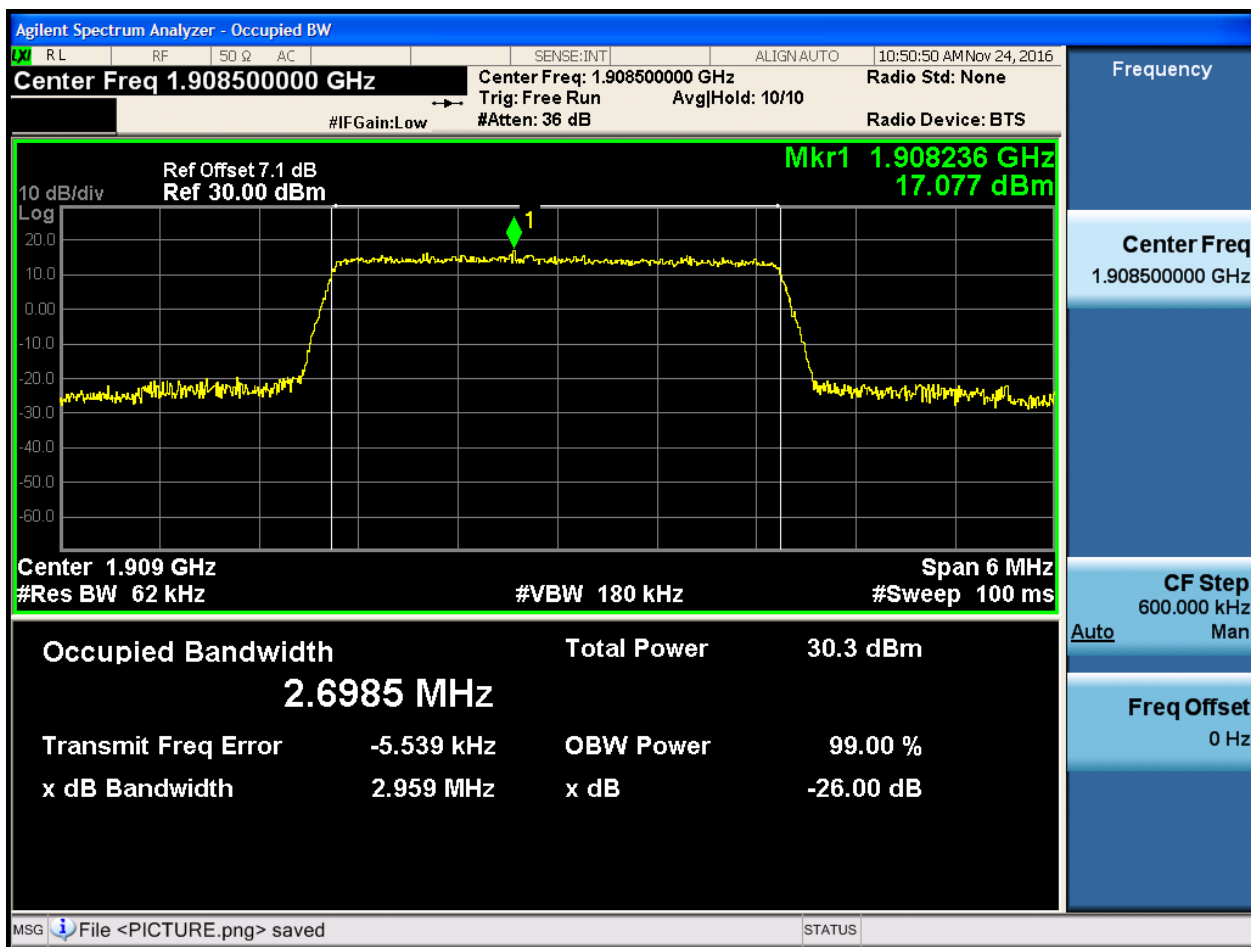
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

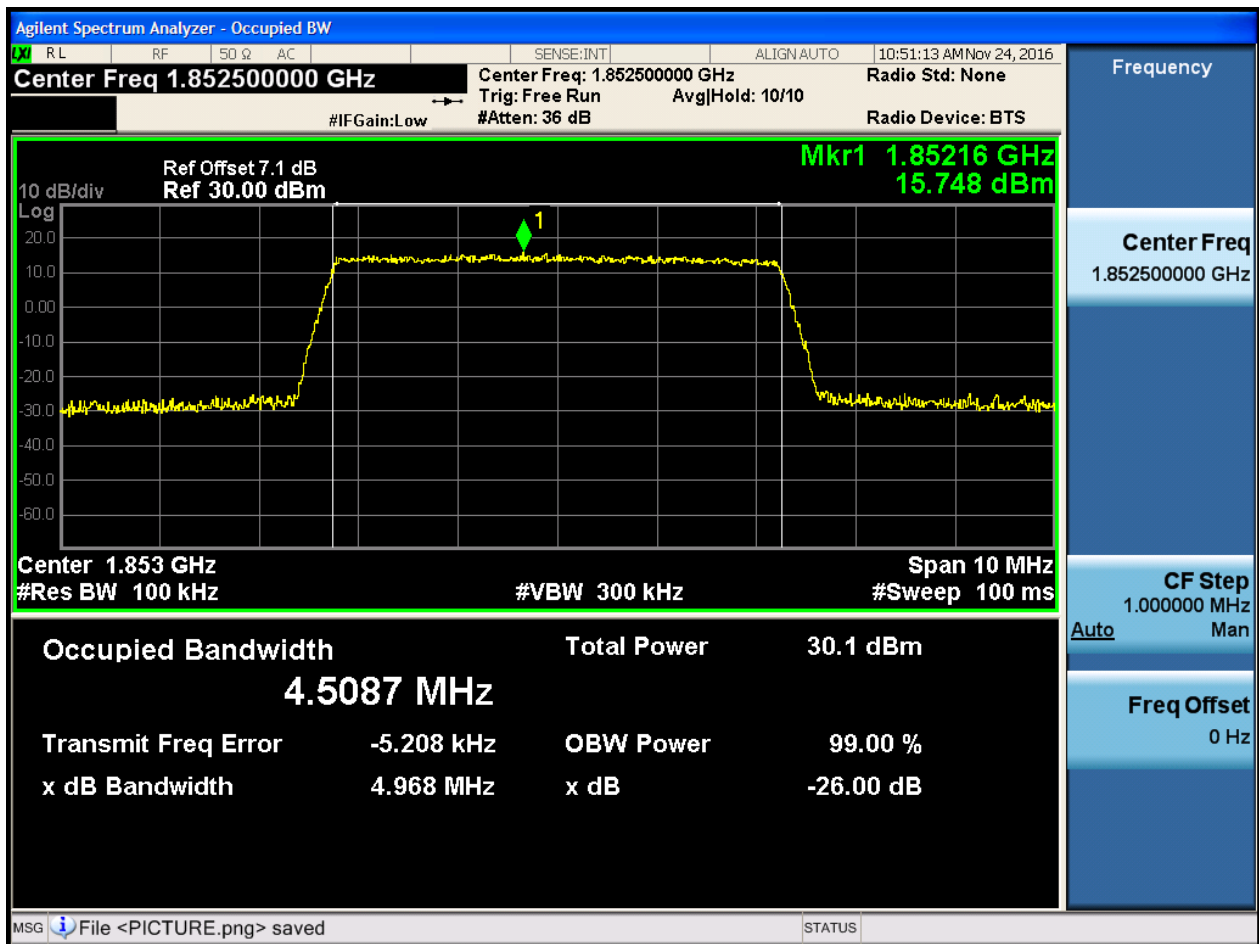




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

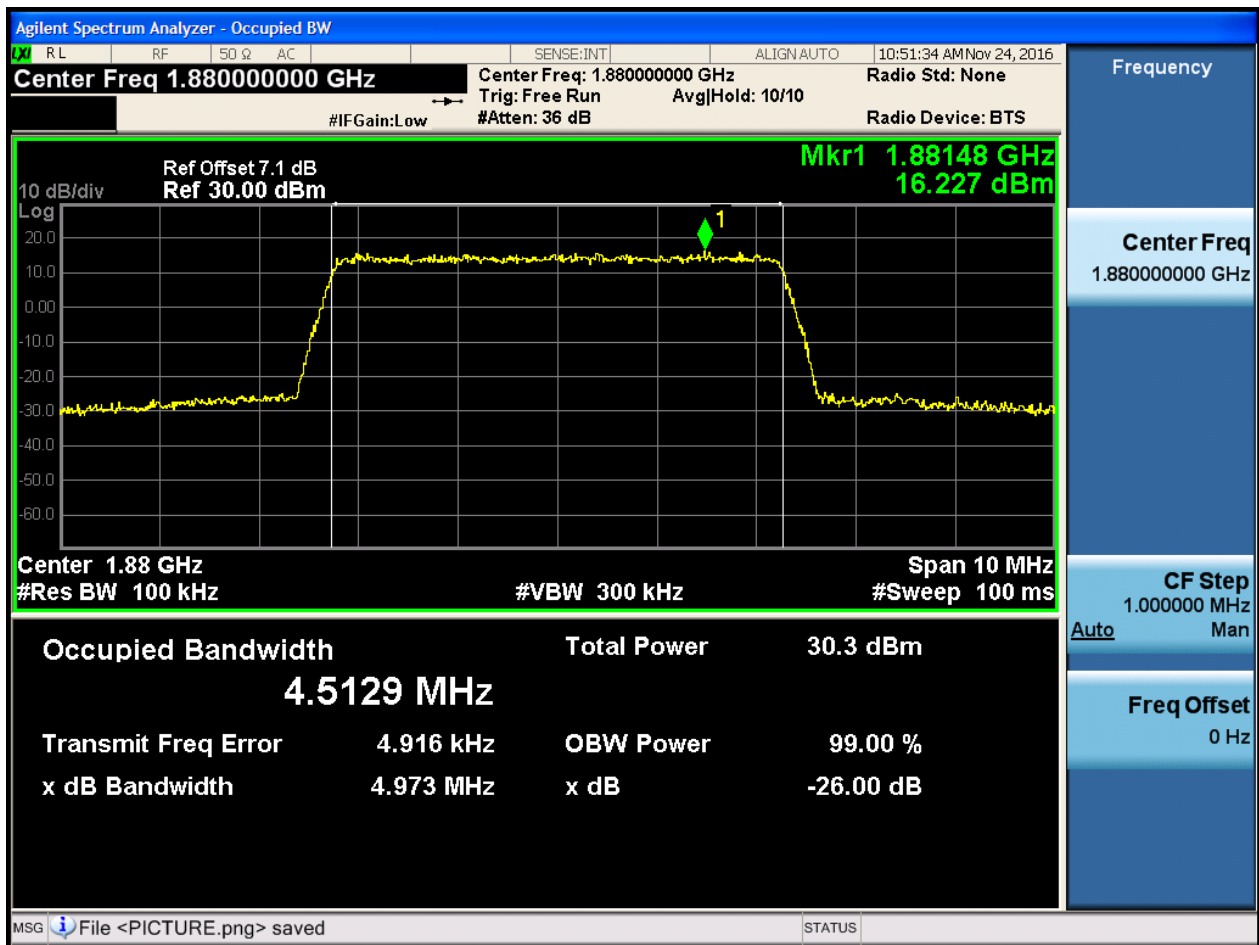
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

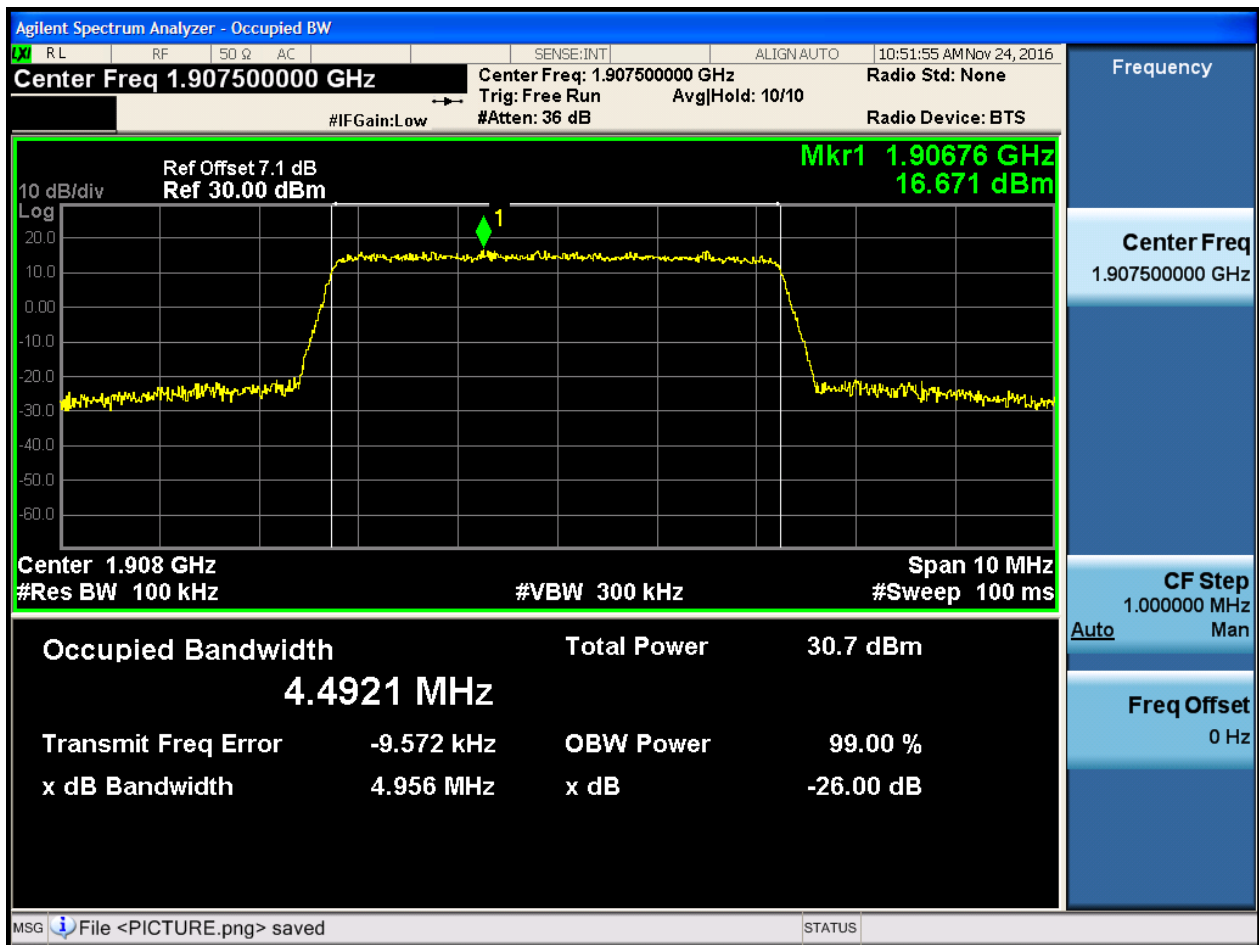
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

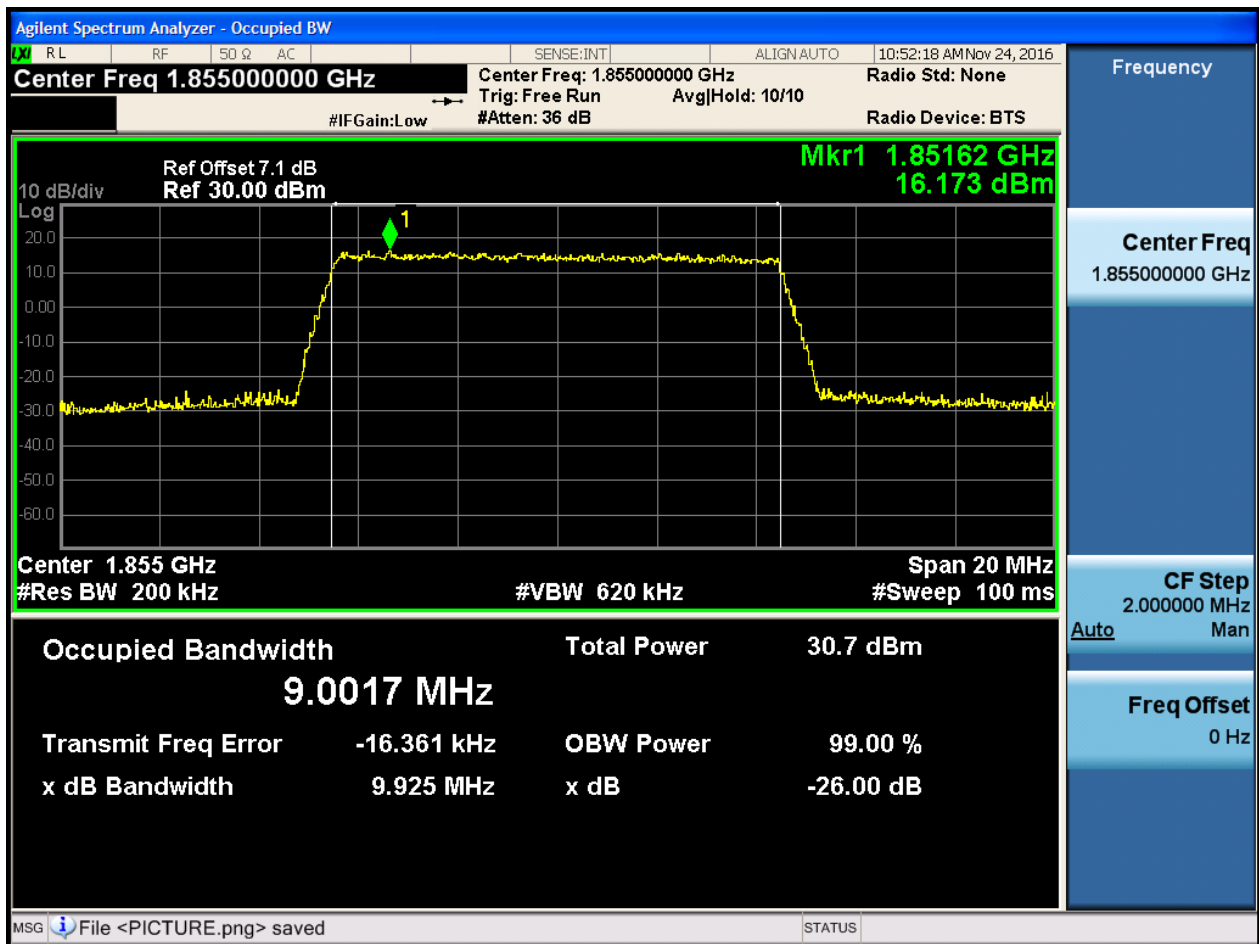




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

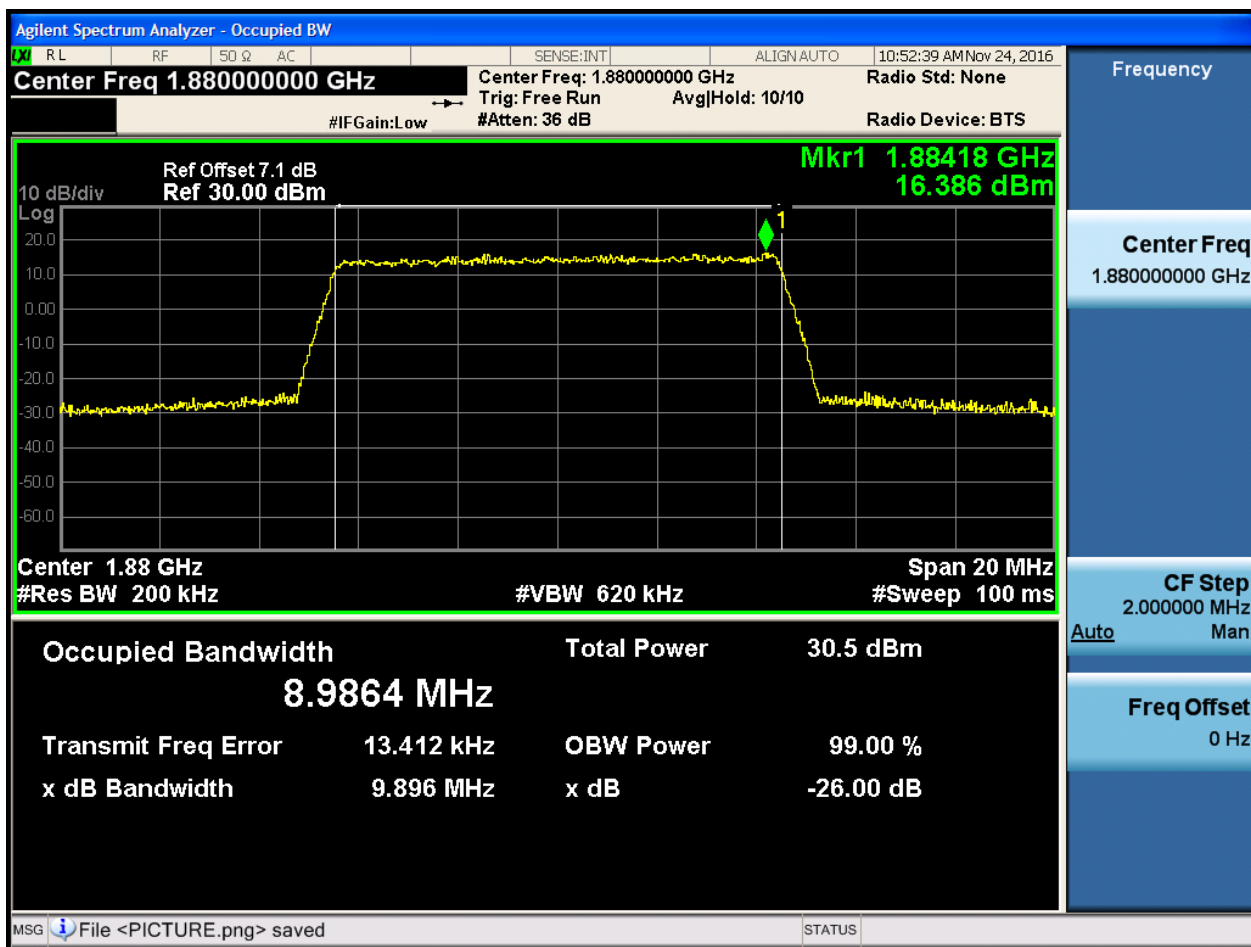
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

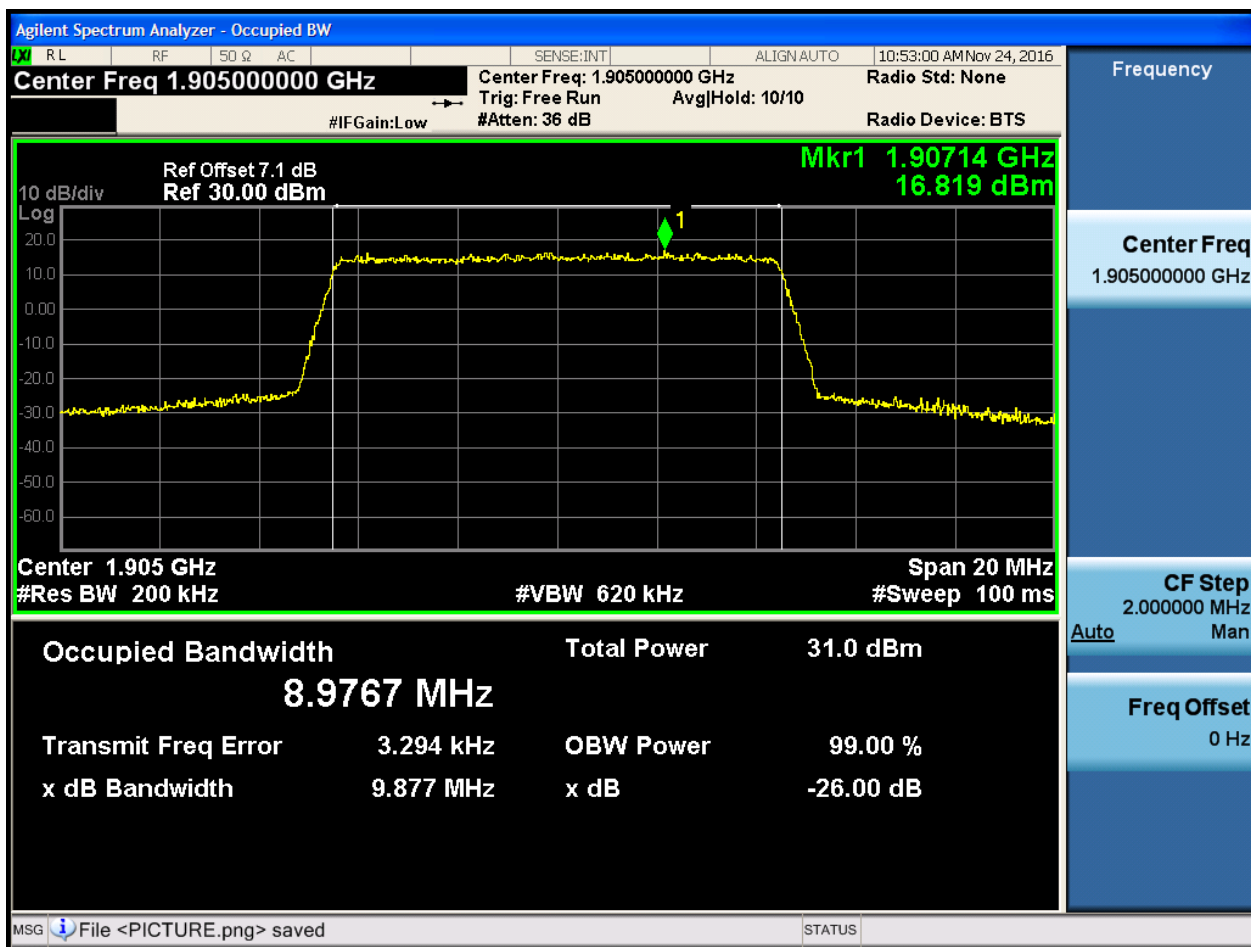
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

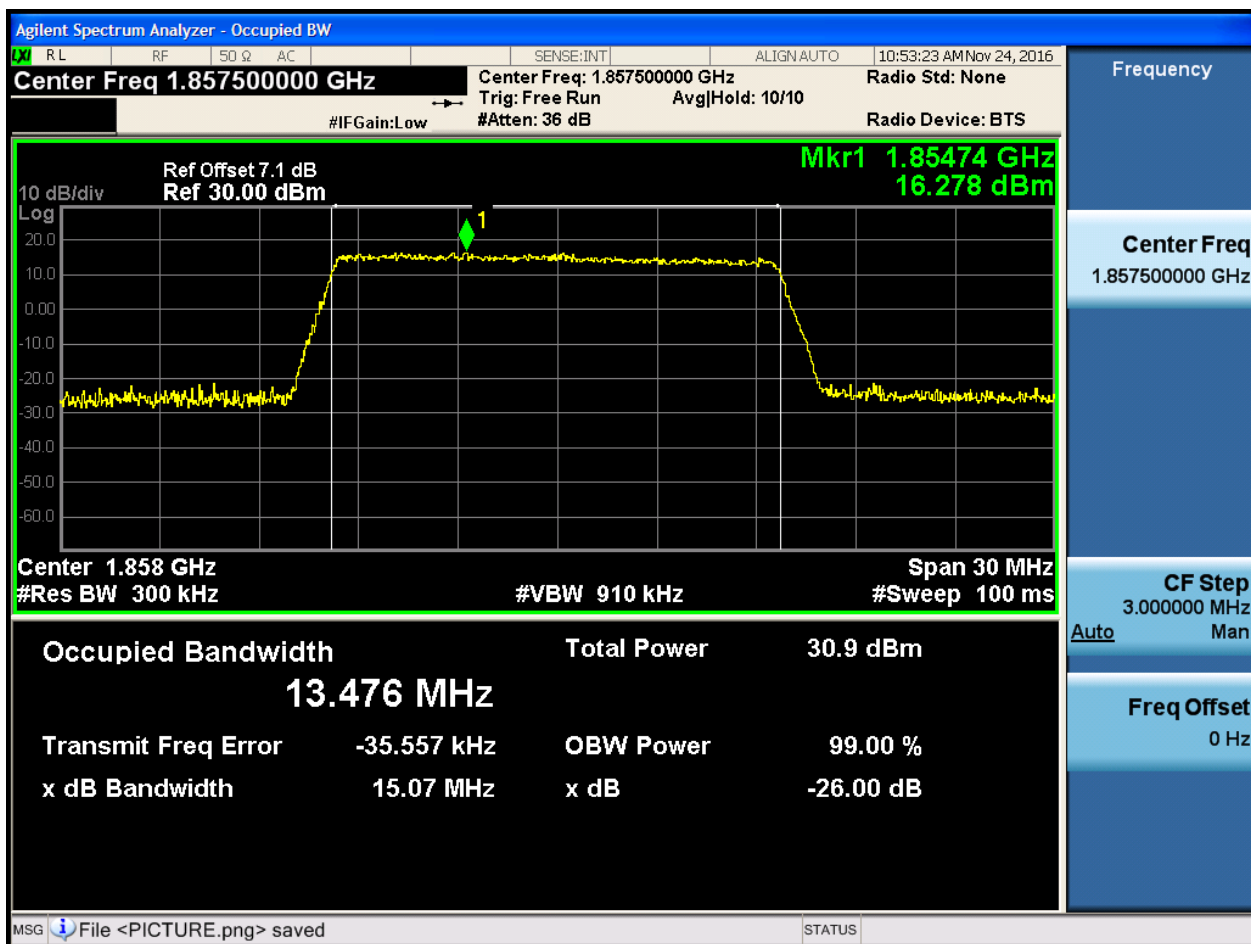




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

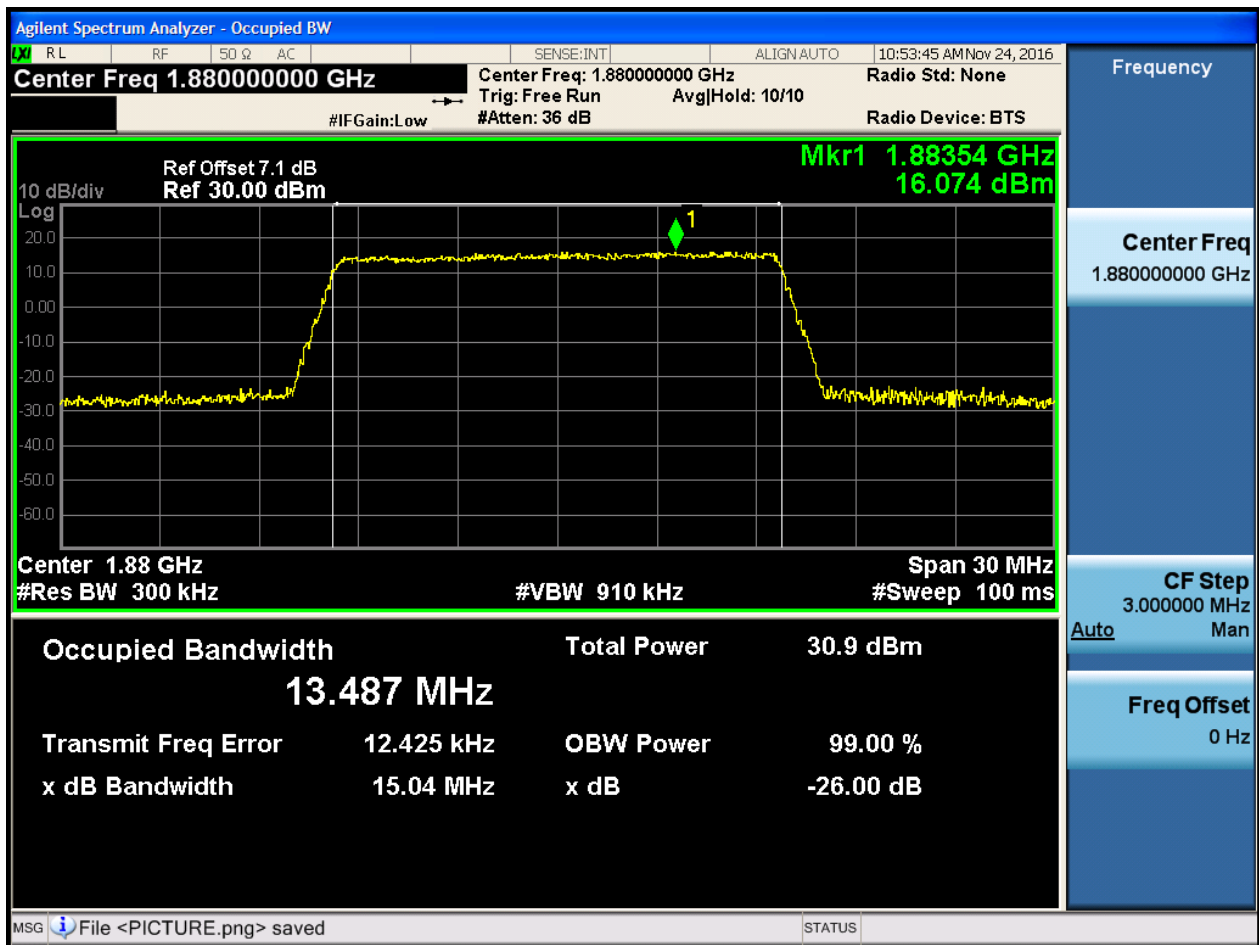
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

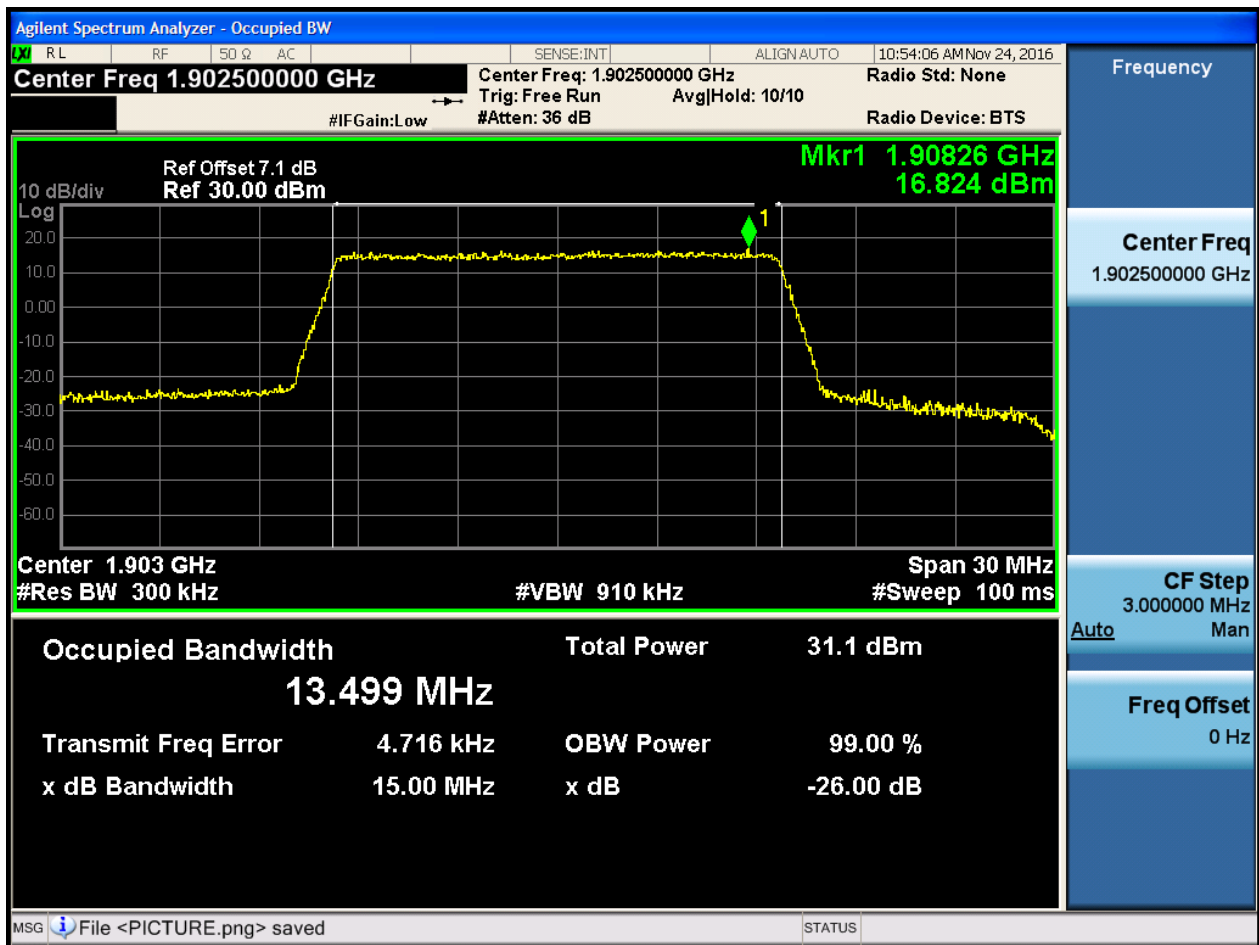
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

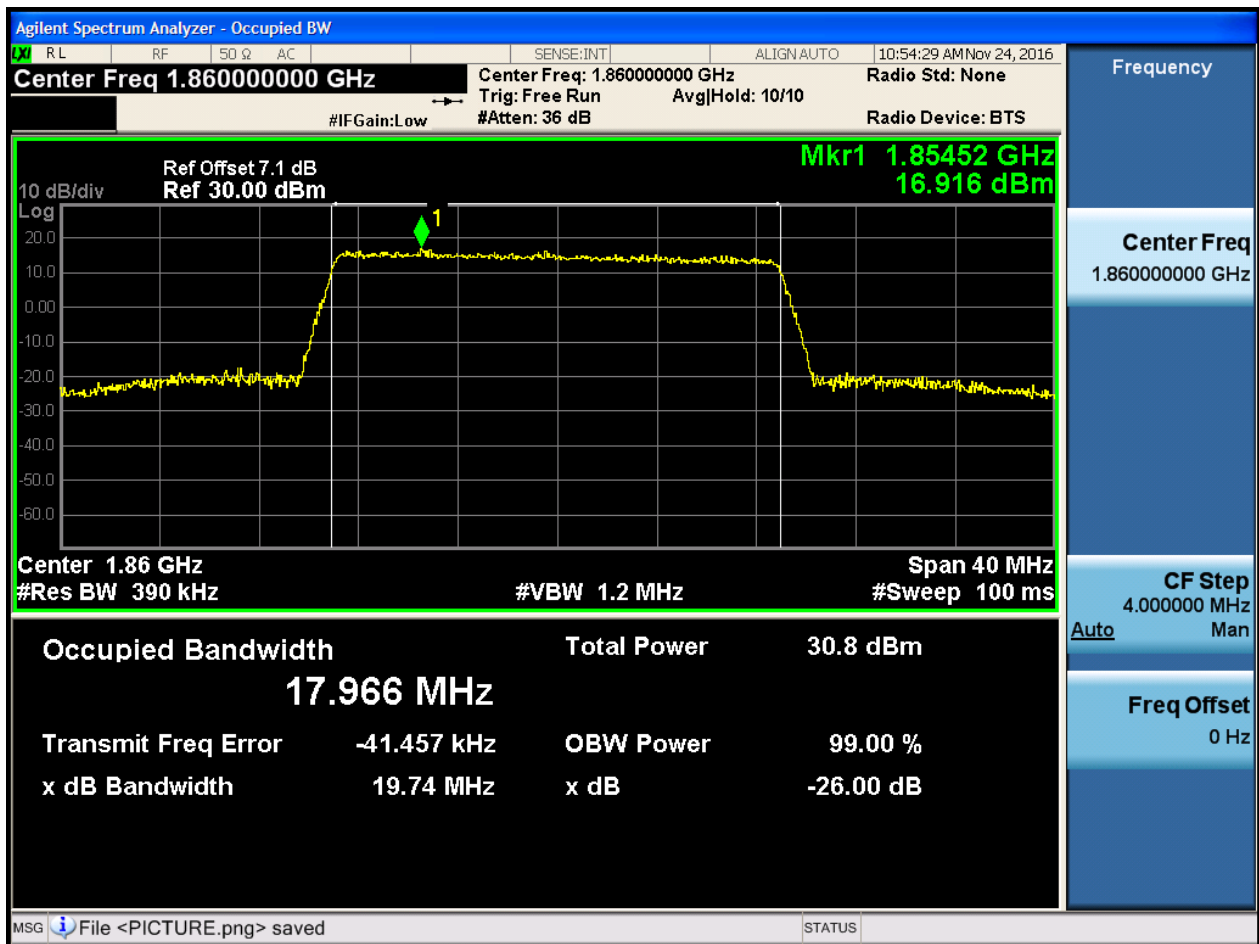




4.1.1.1.6 Test Bandwidth = 20

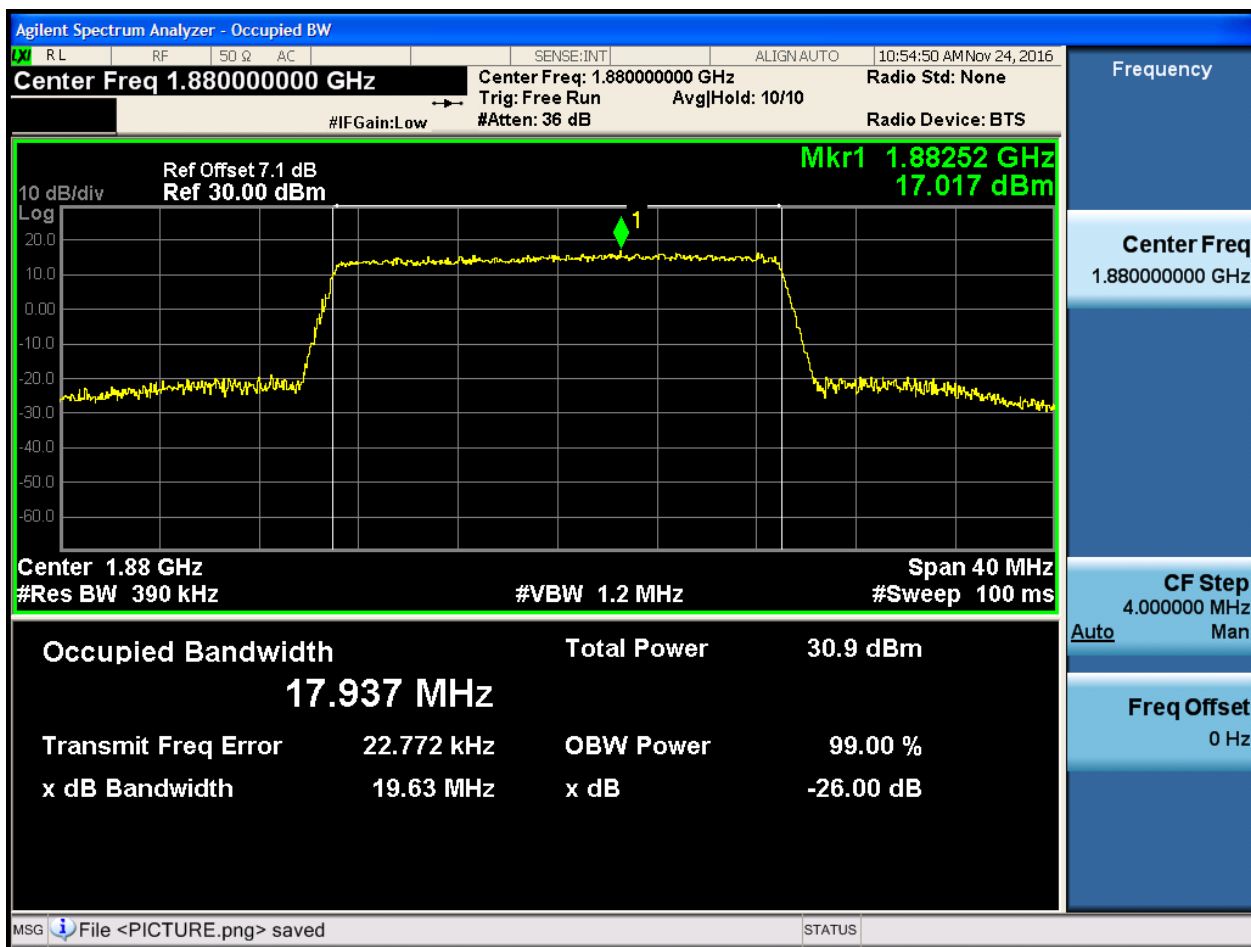
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



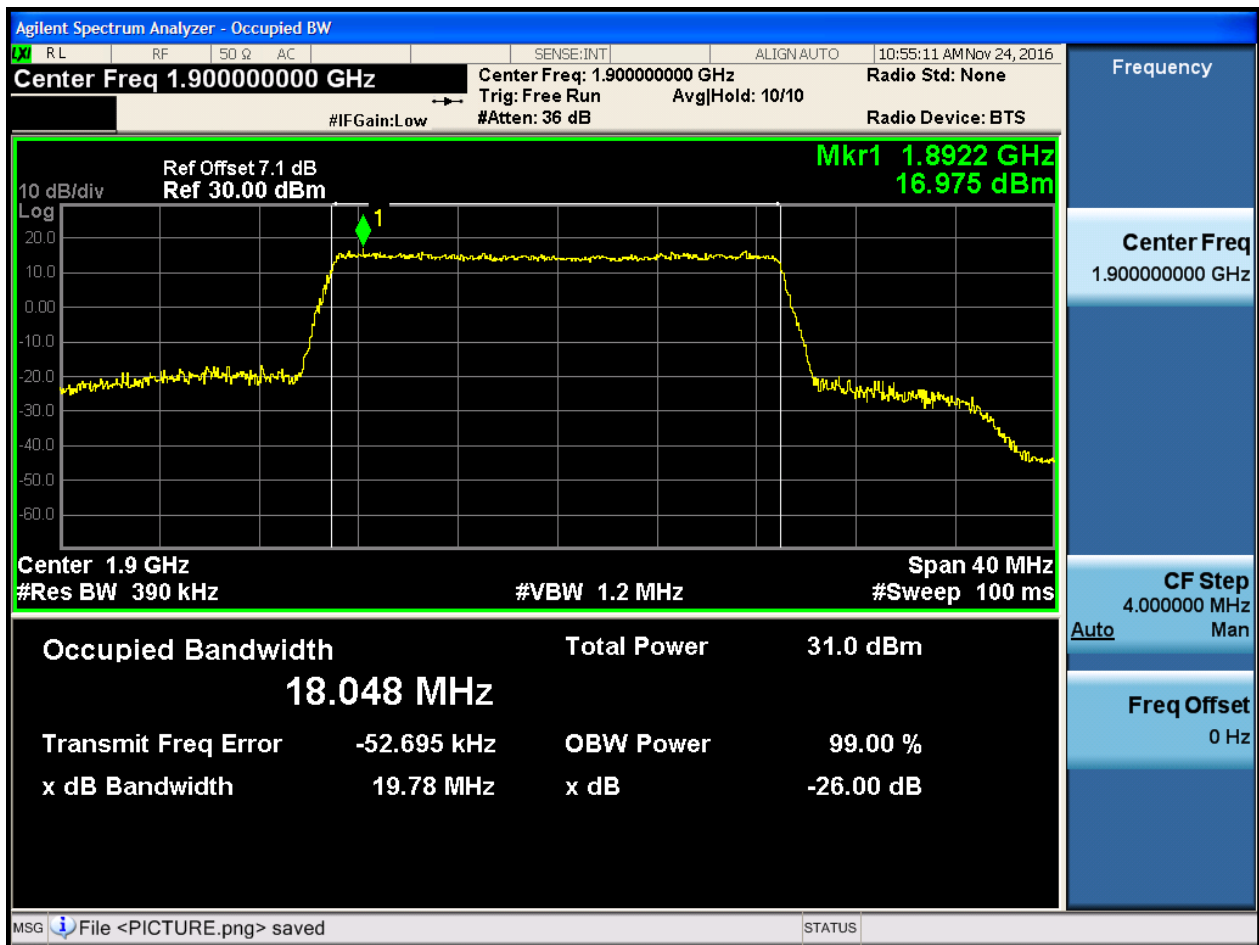
4.1.1.1.6.2 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB100#0



4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



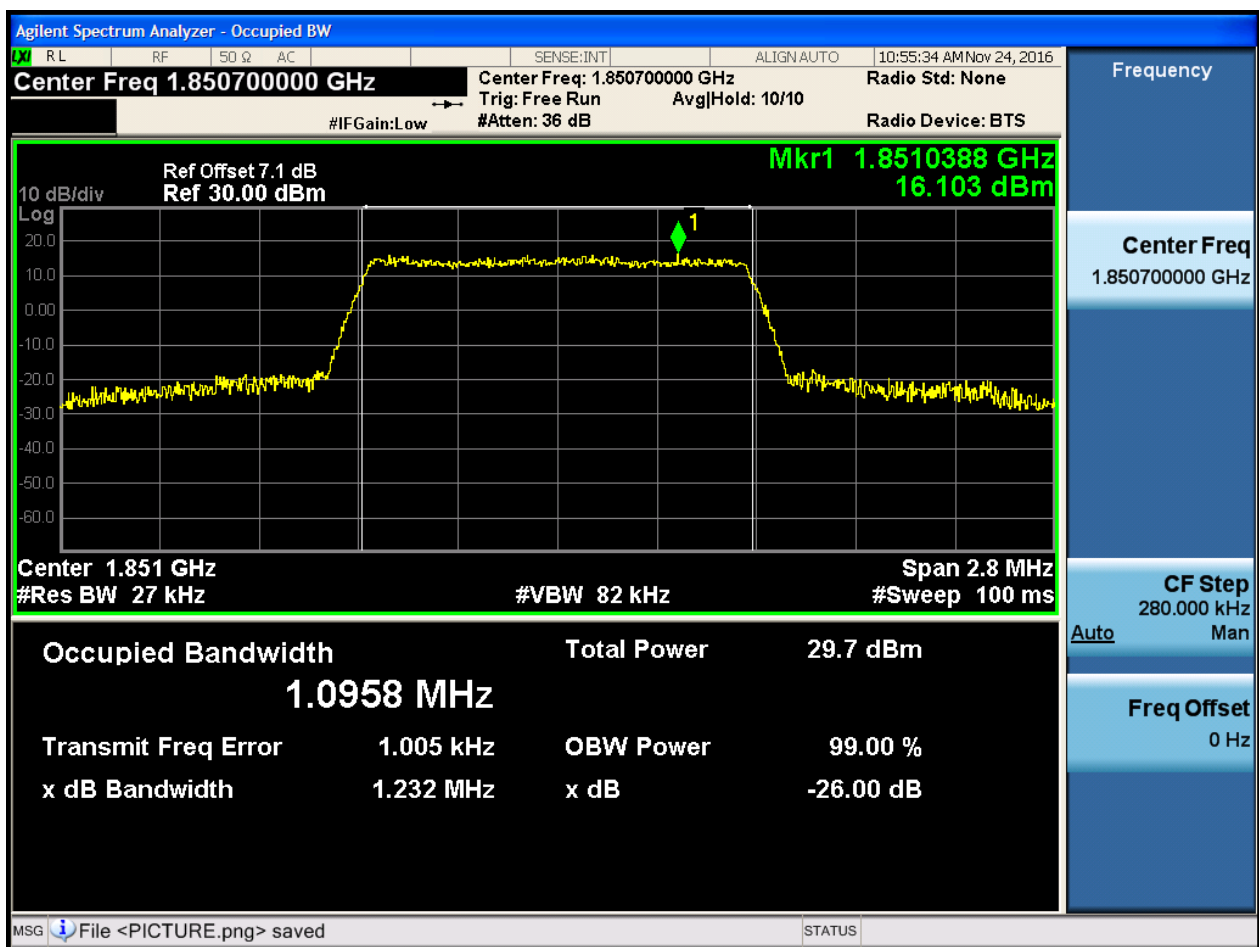


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

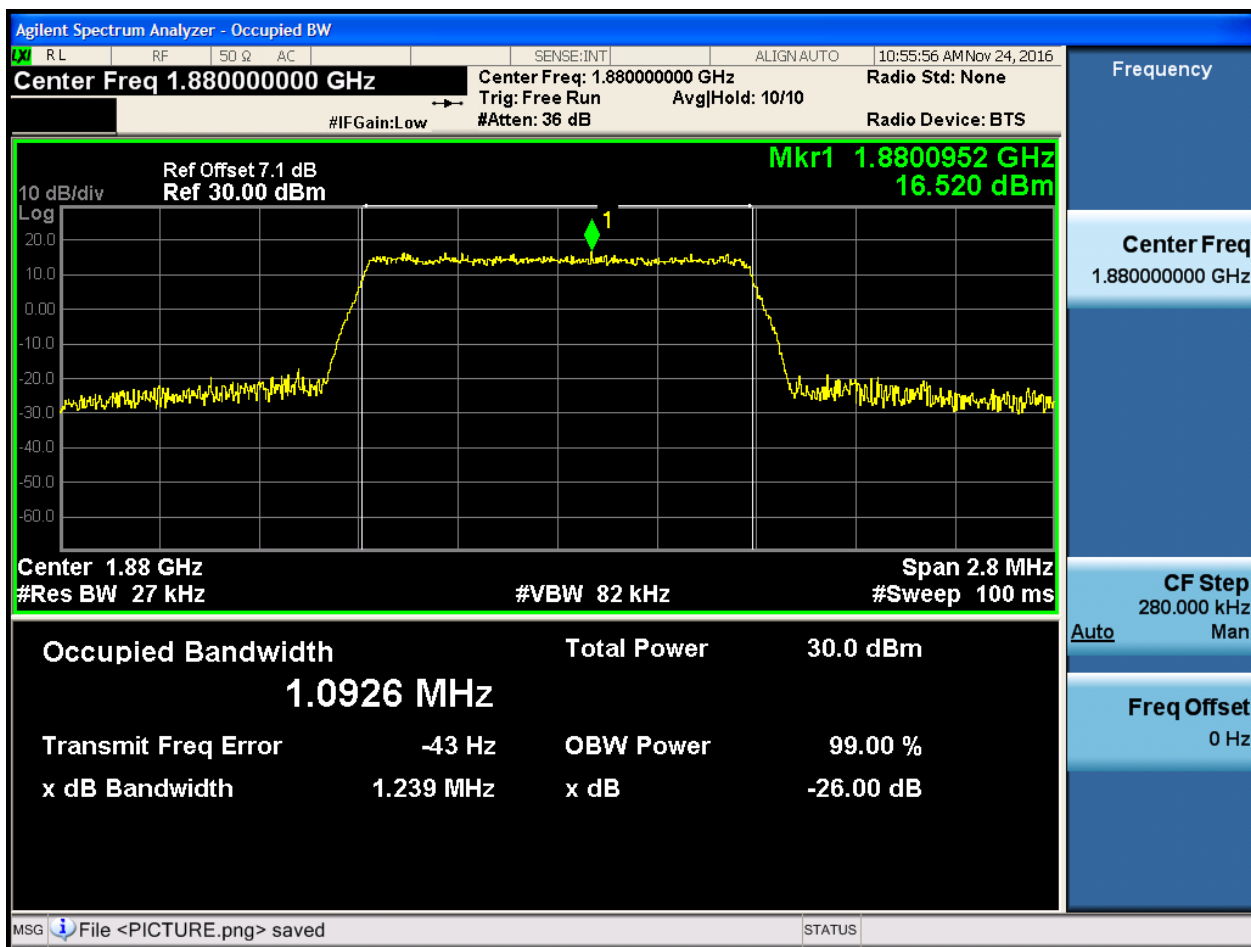
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

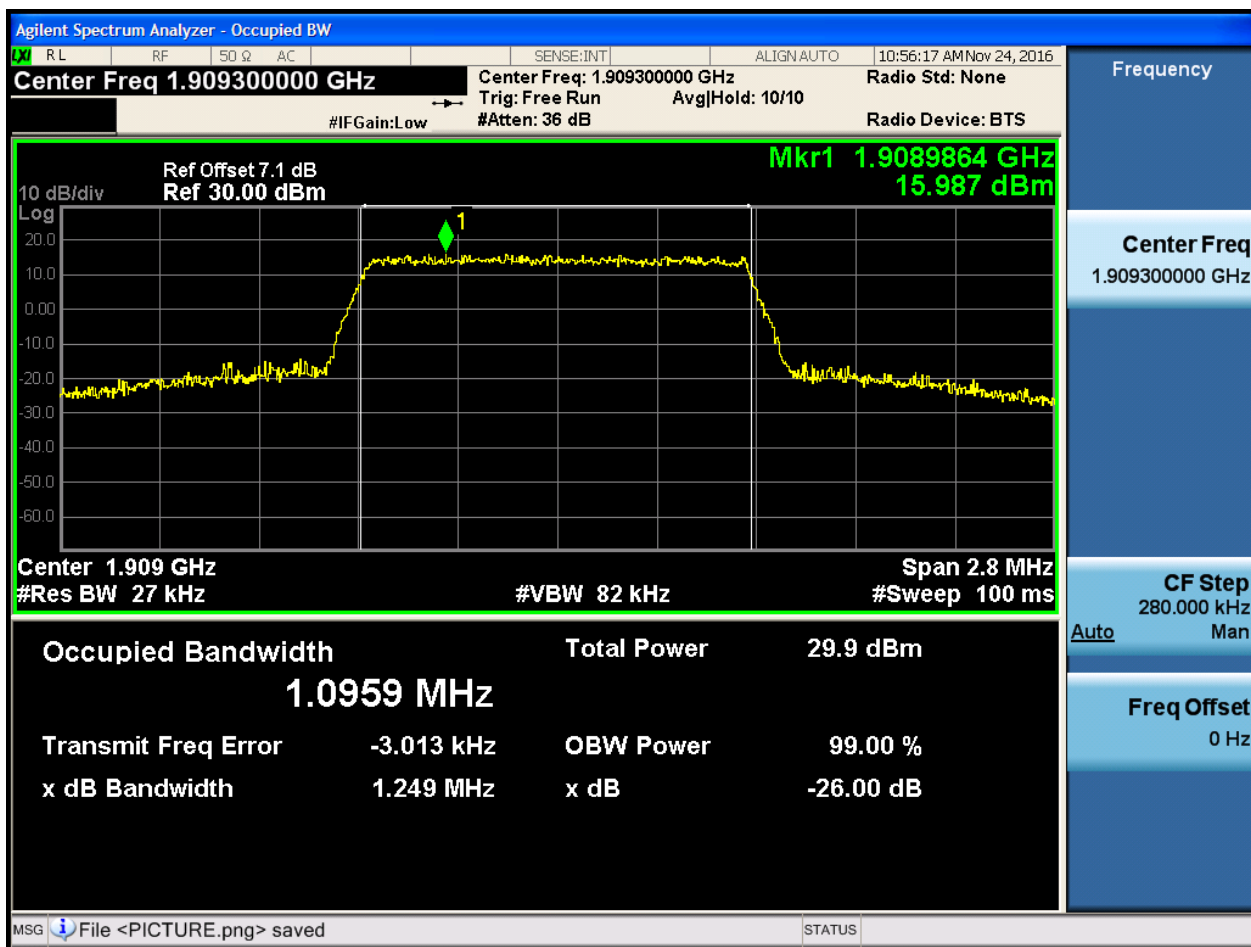
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

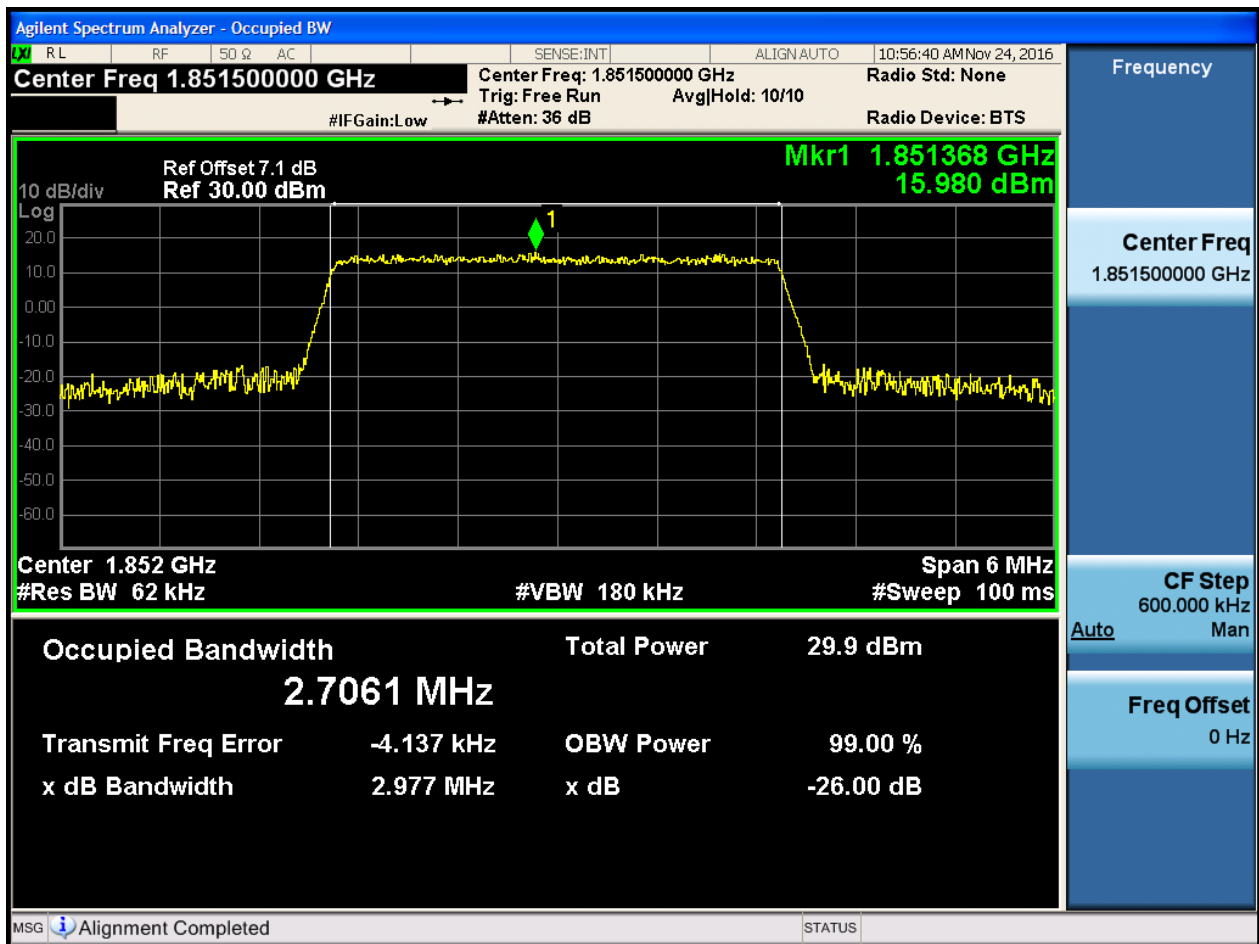




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

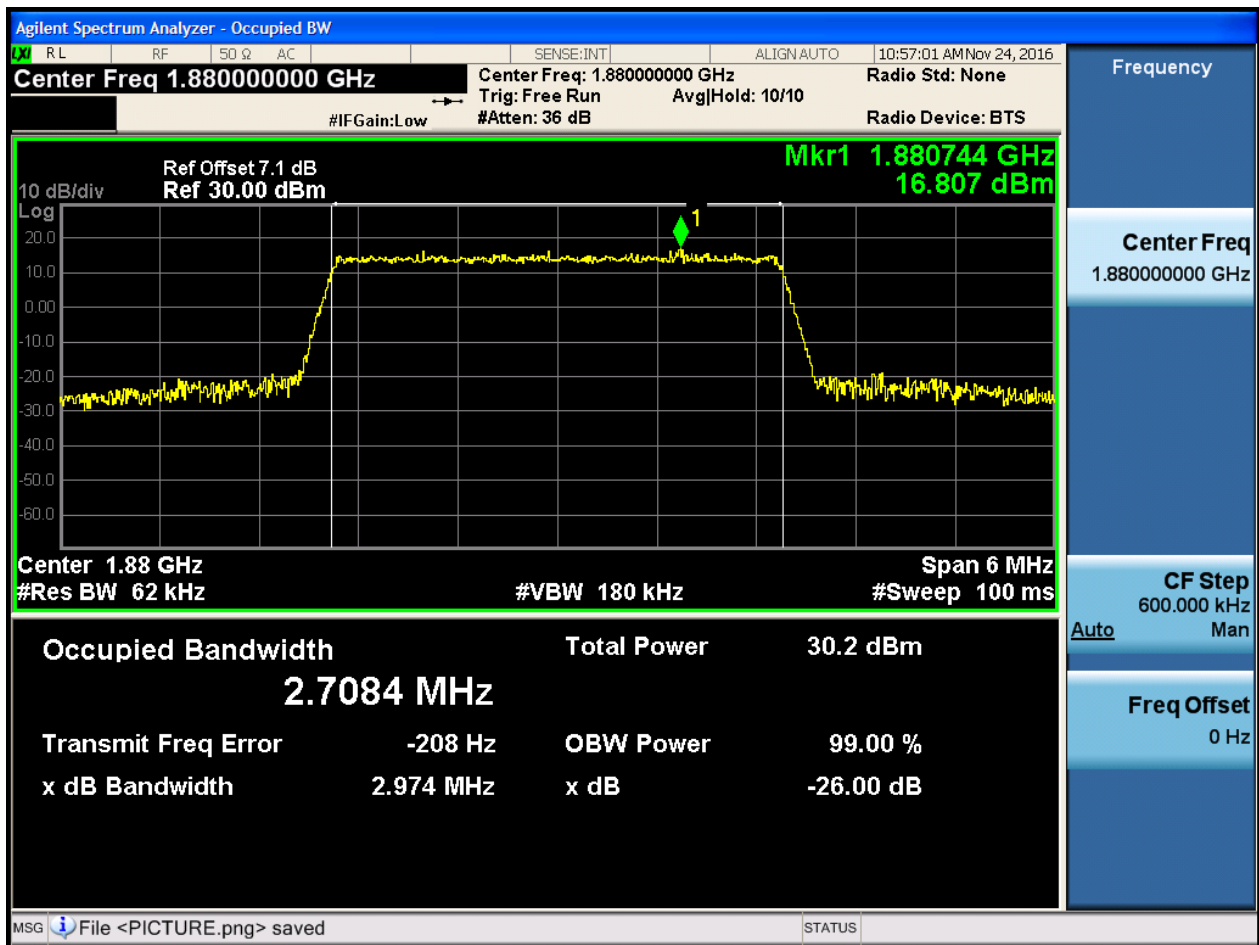
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

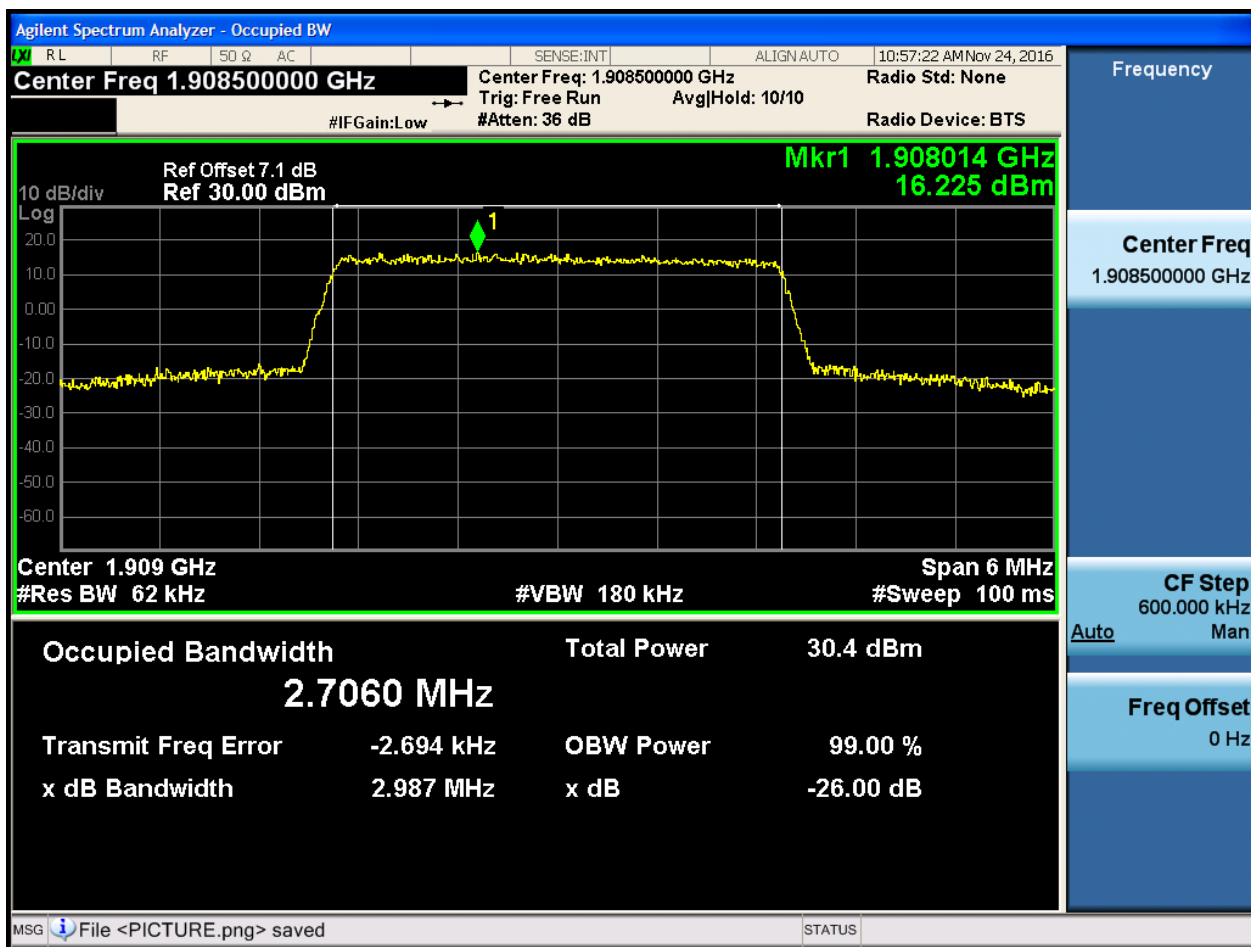
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

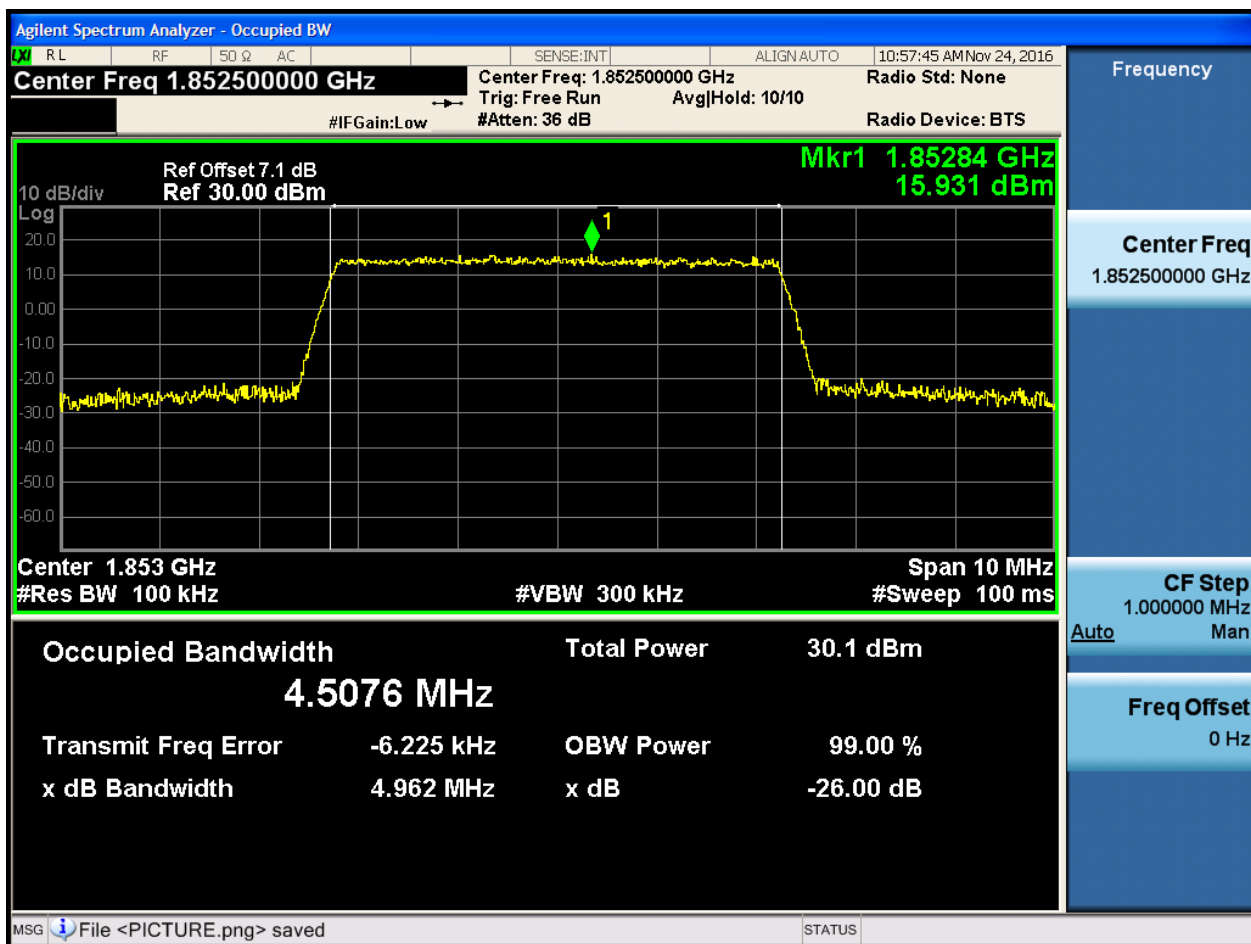




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

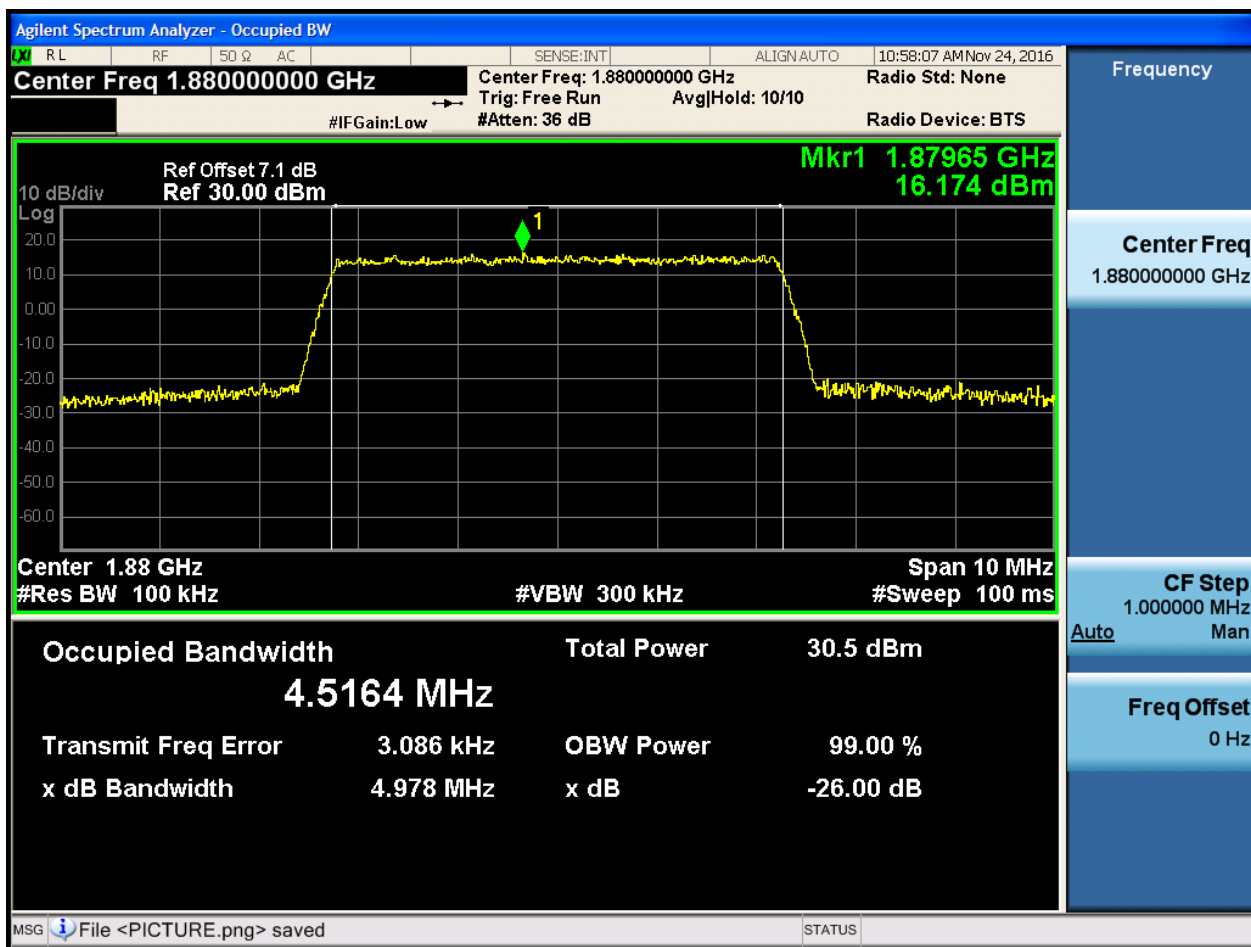
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

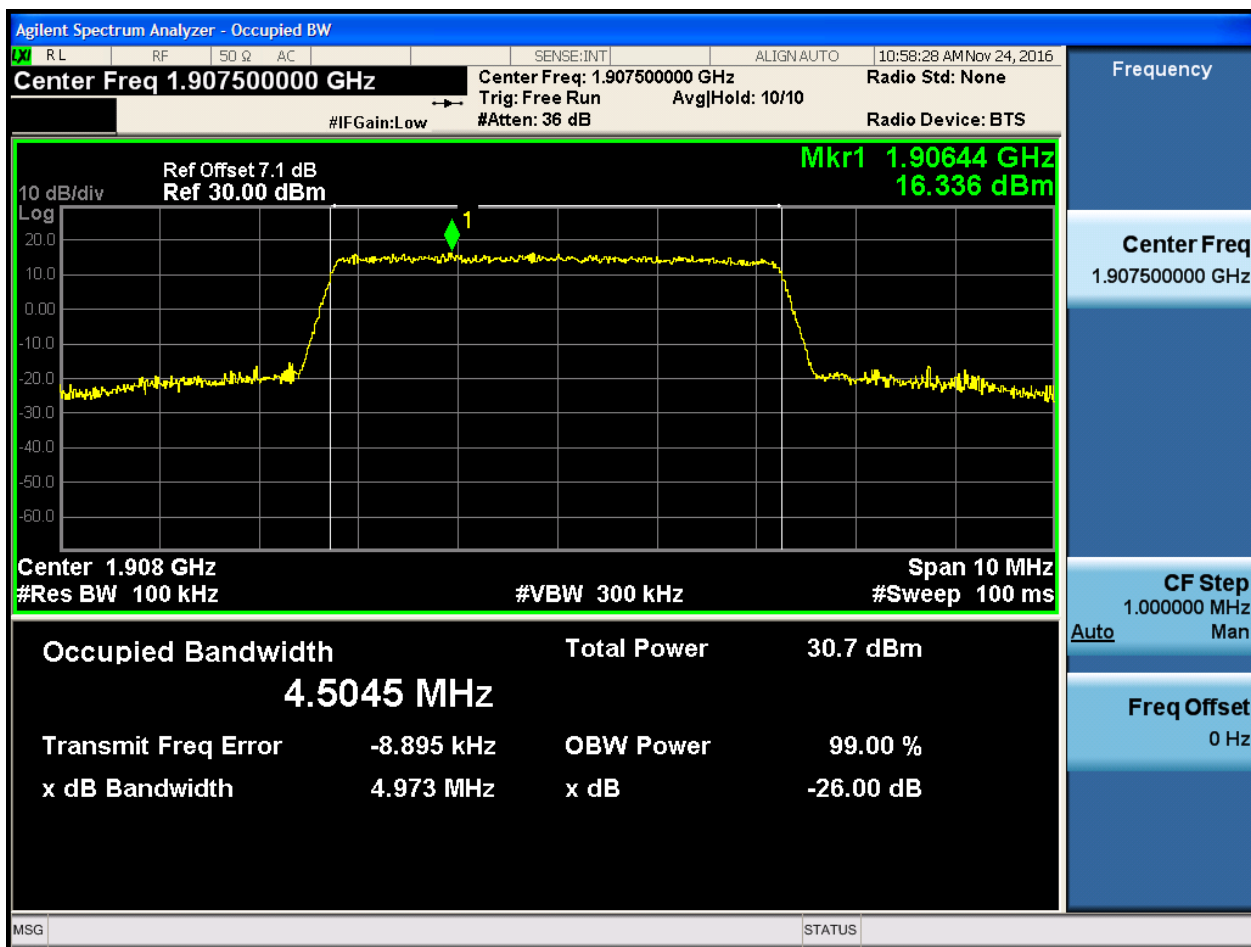
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

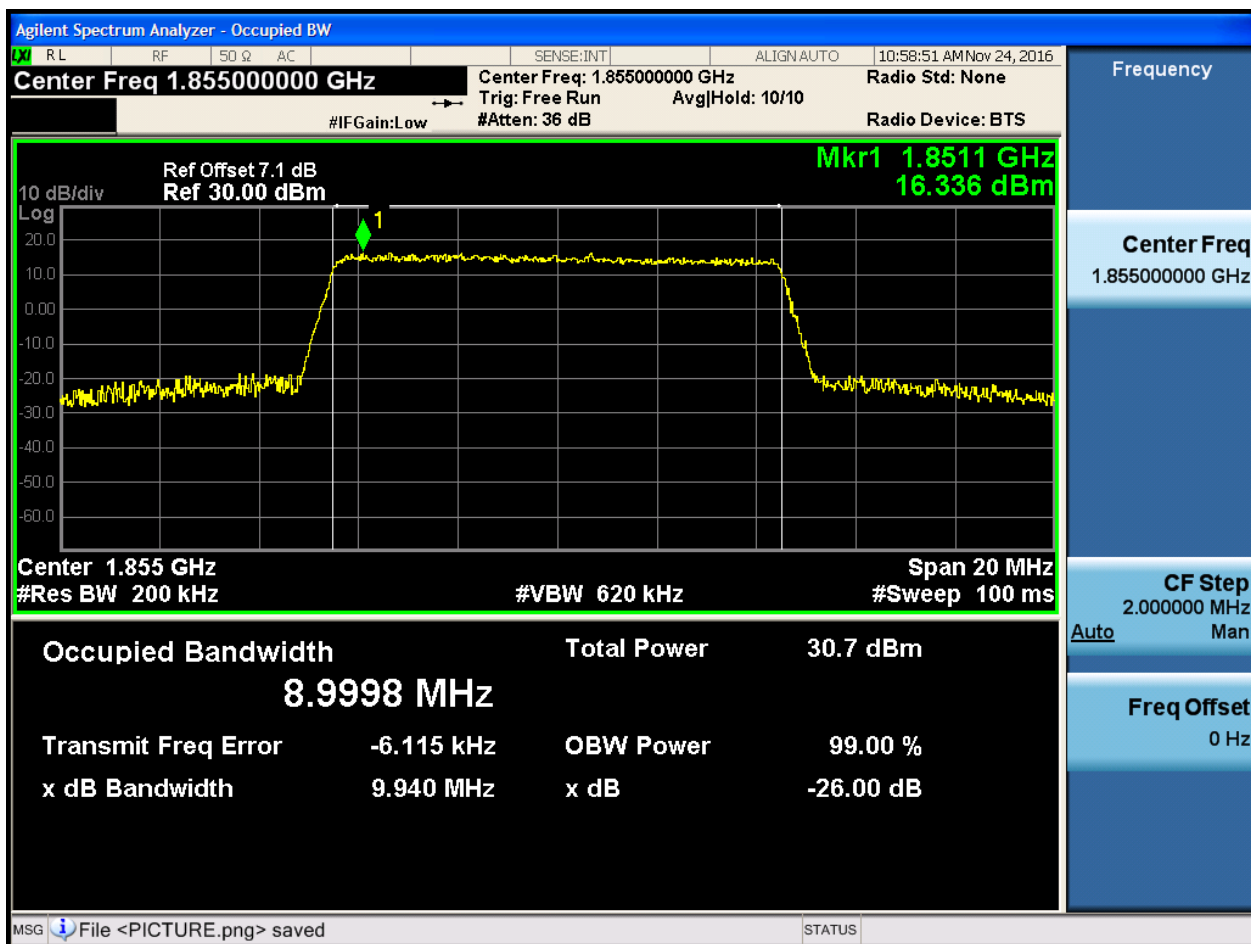




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

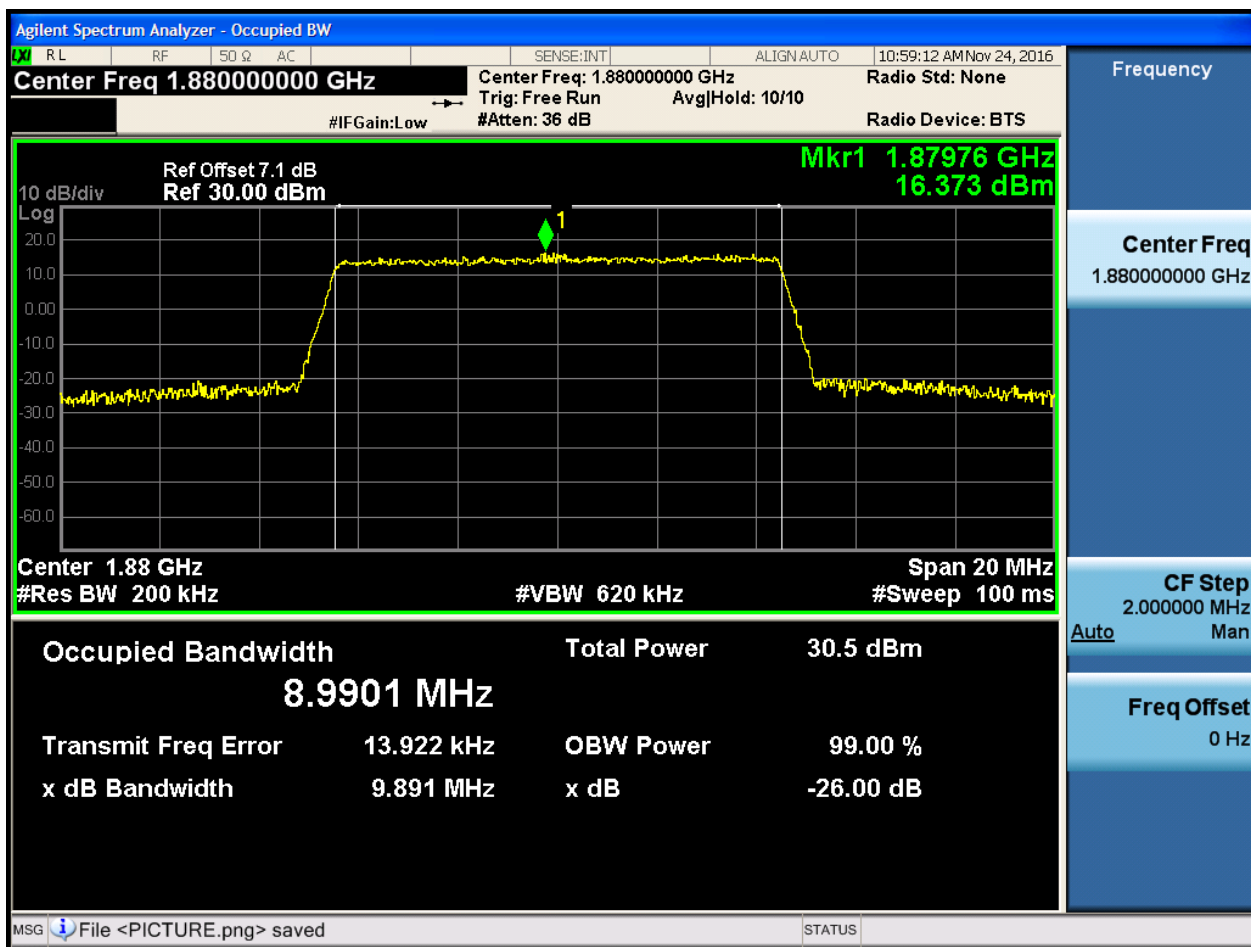
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

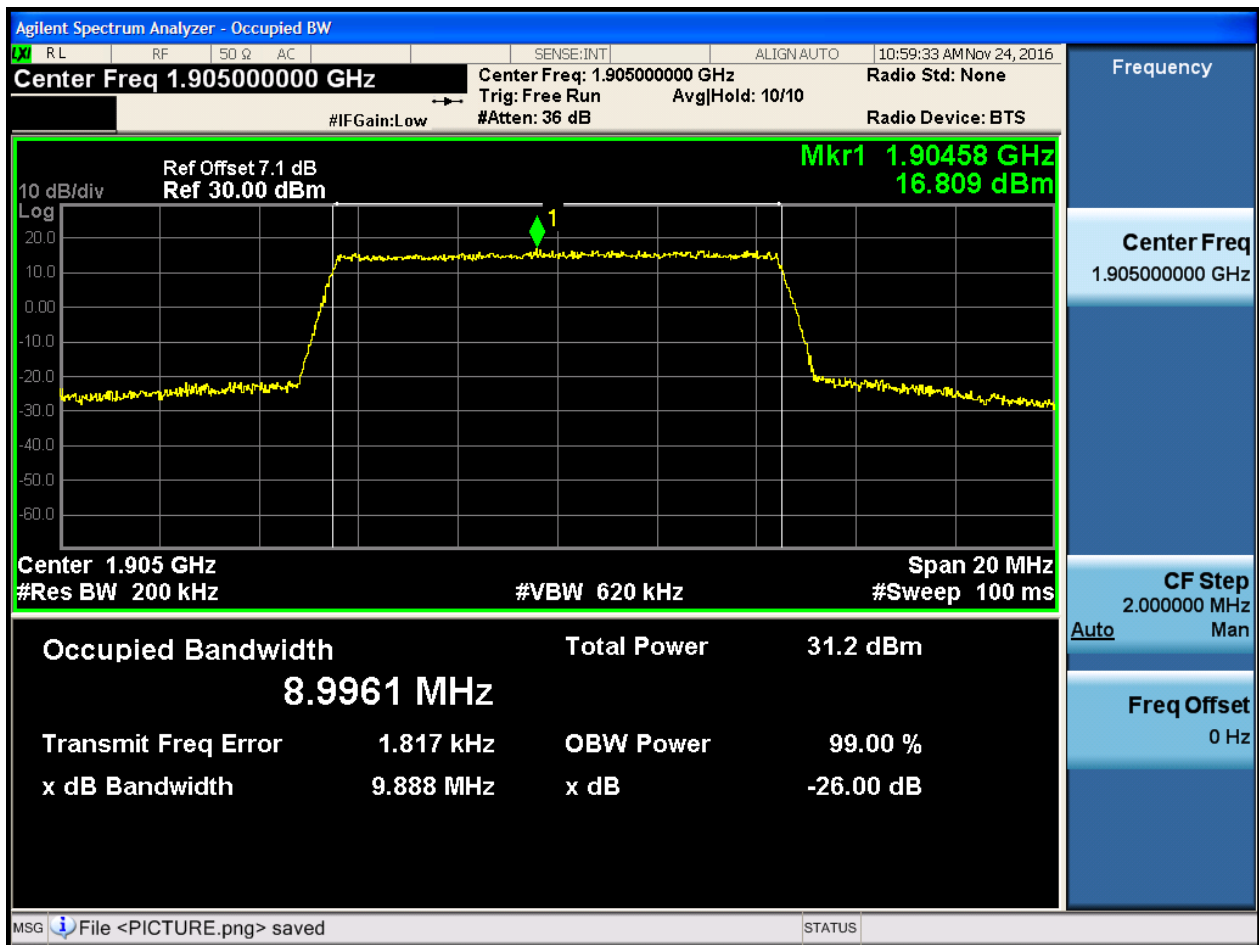
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

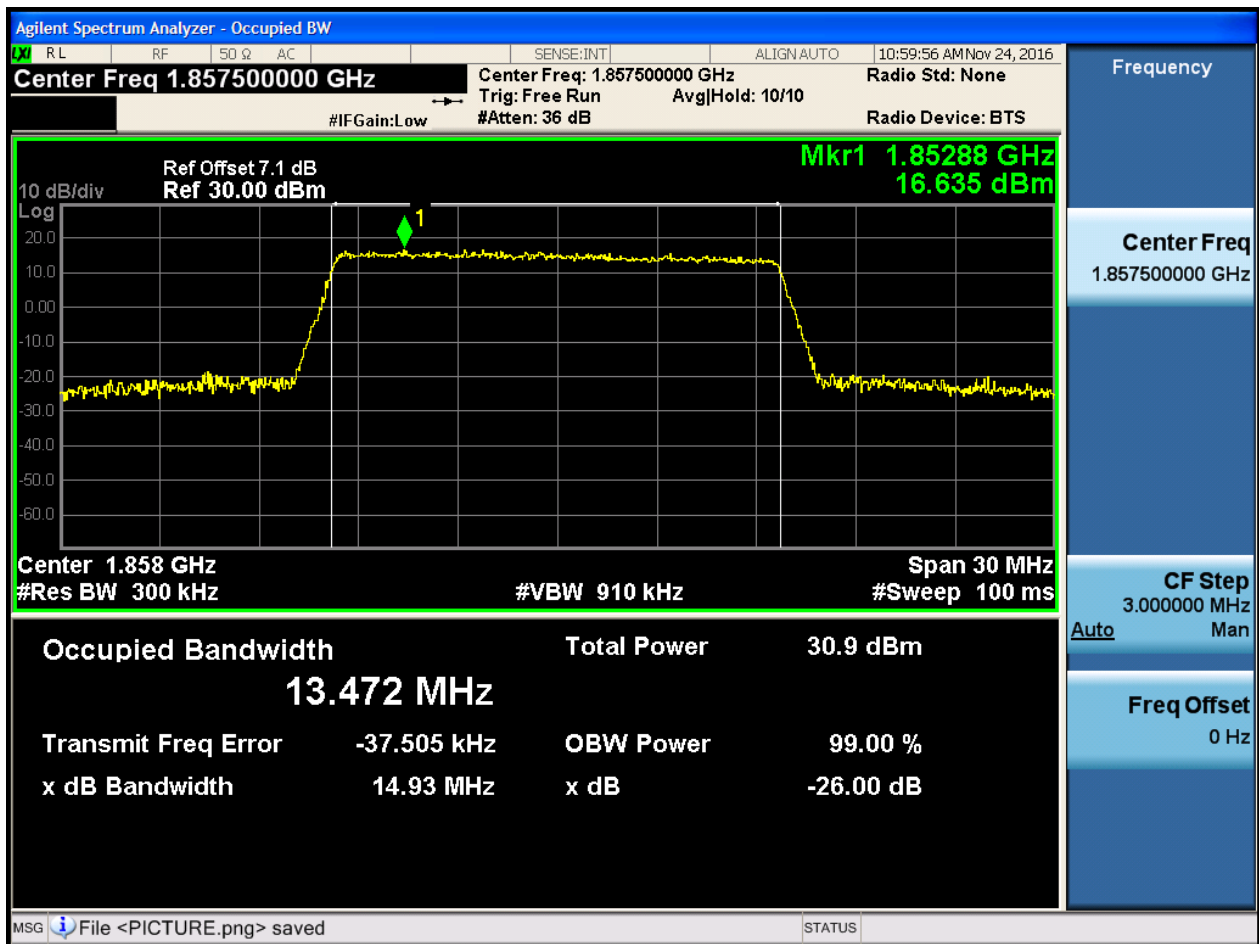




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

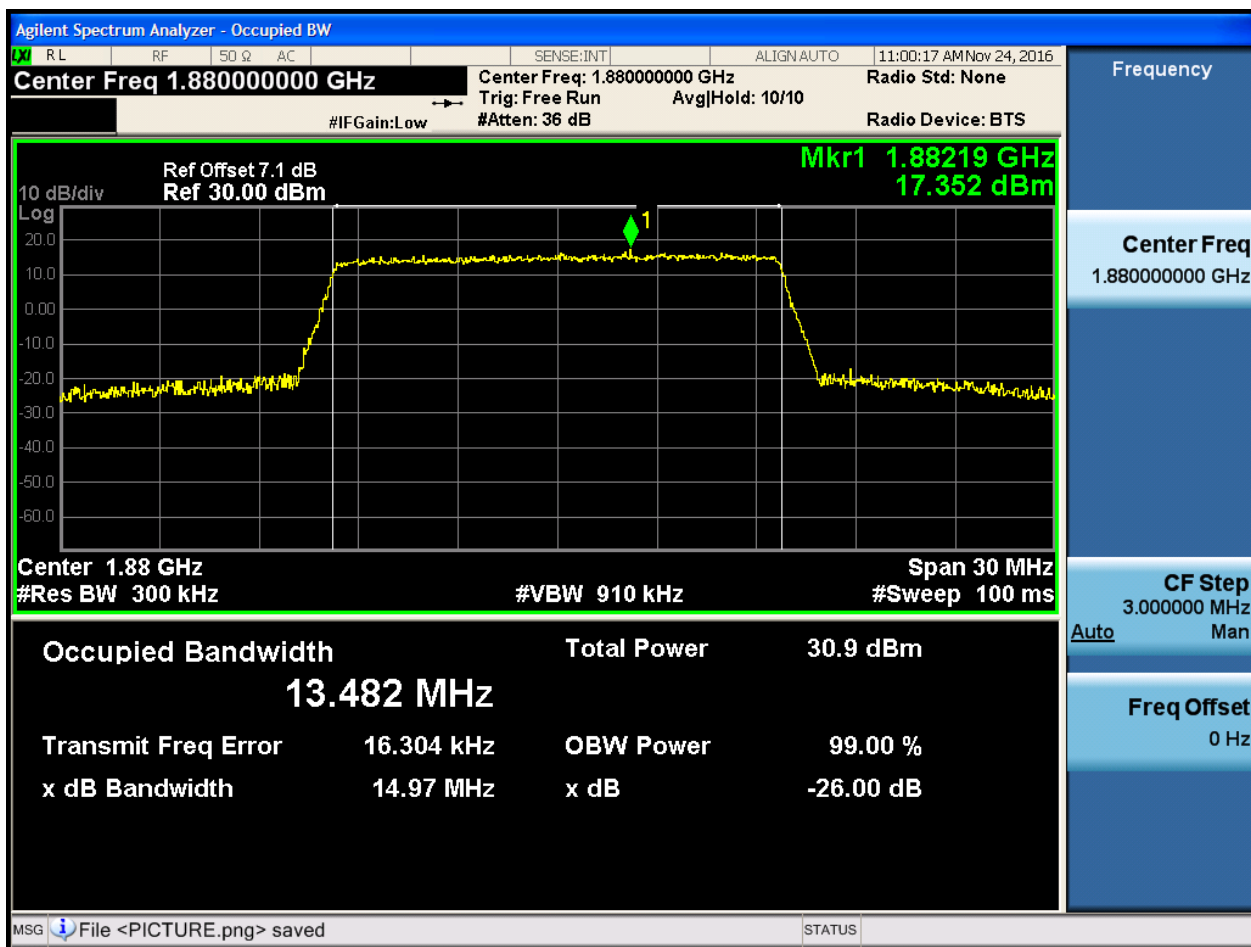
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

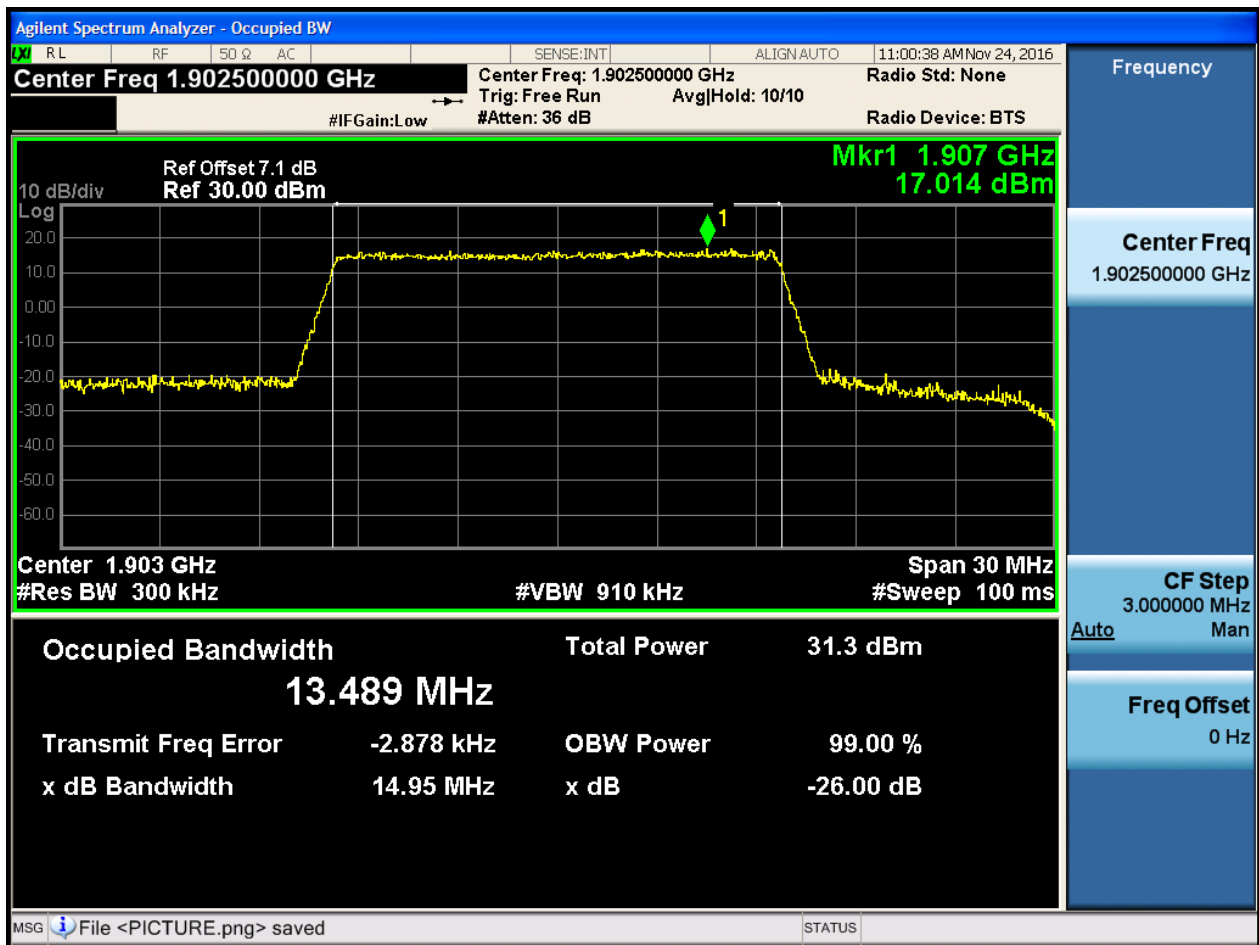
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

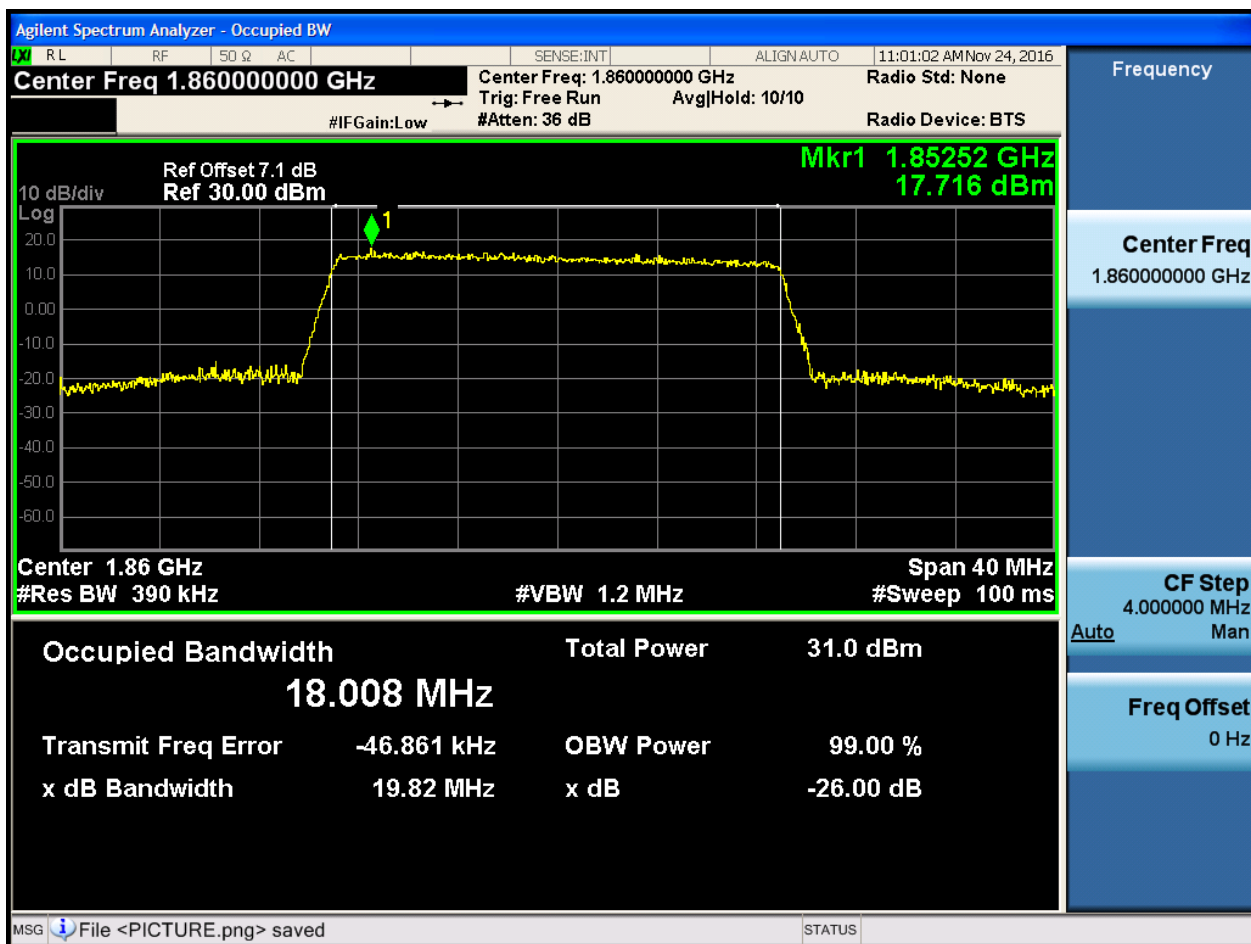




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

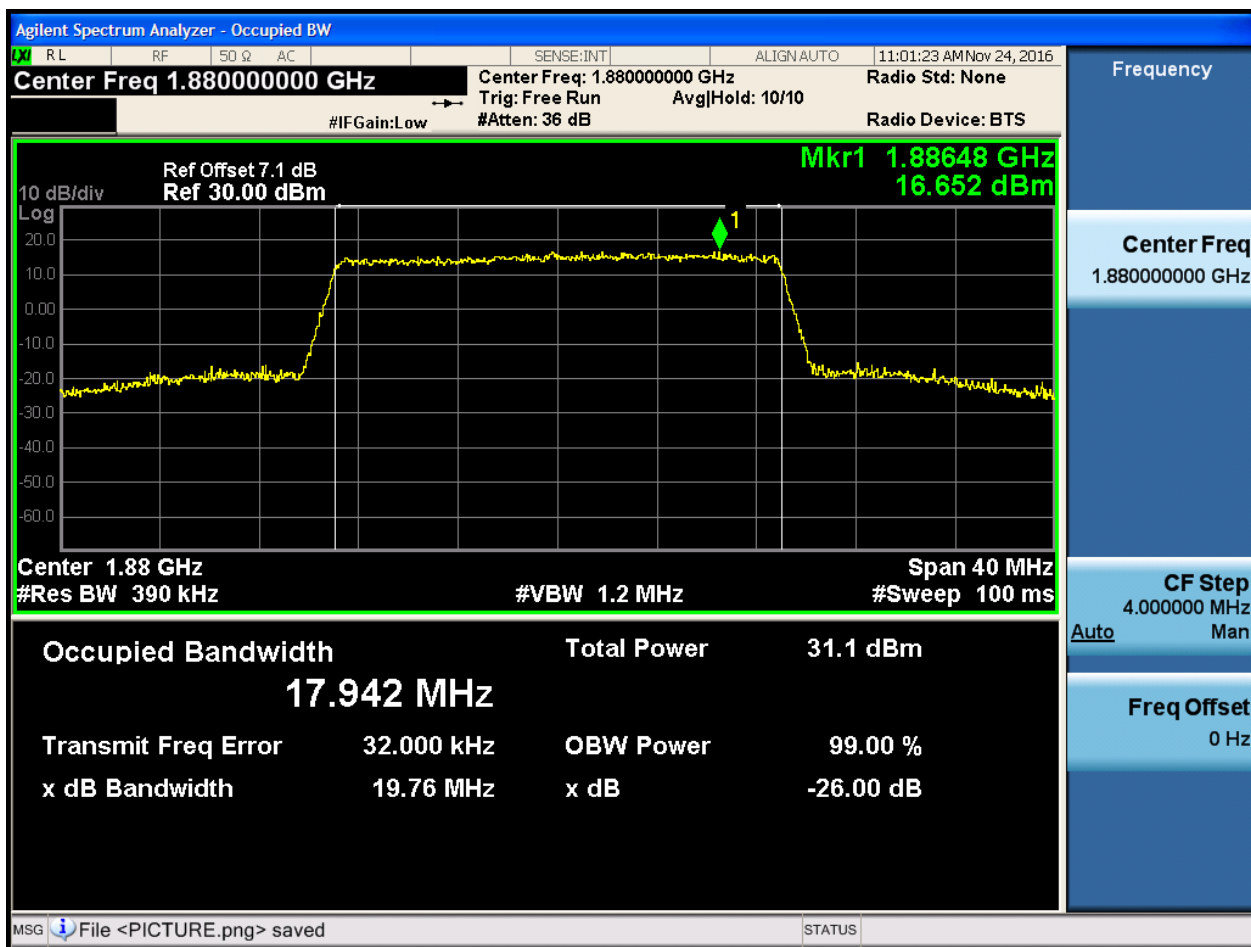
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

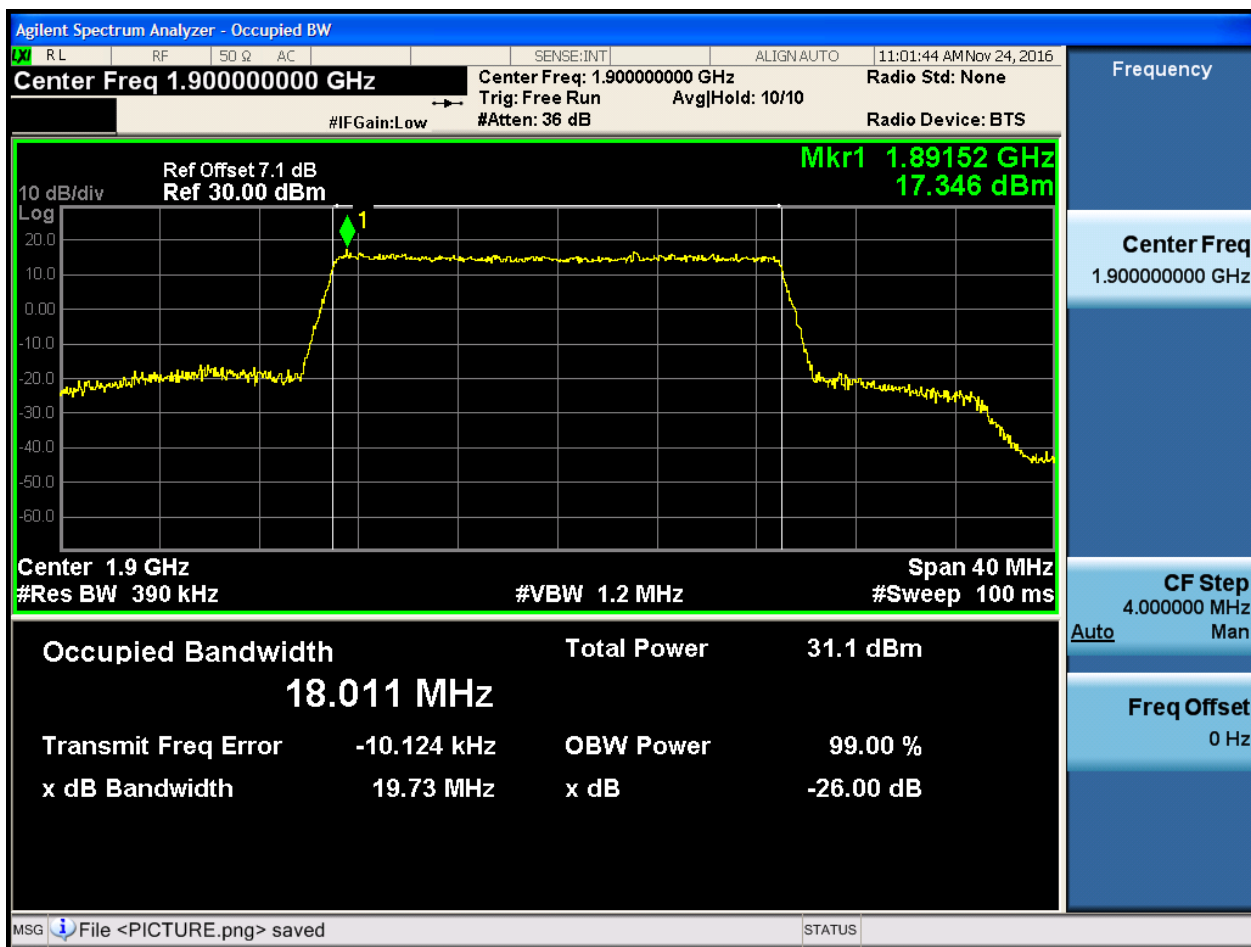
4.1.1.2.6.2.1 Test RB = RB100#0





4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

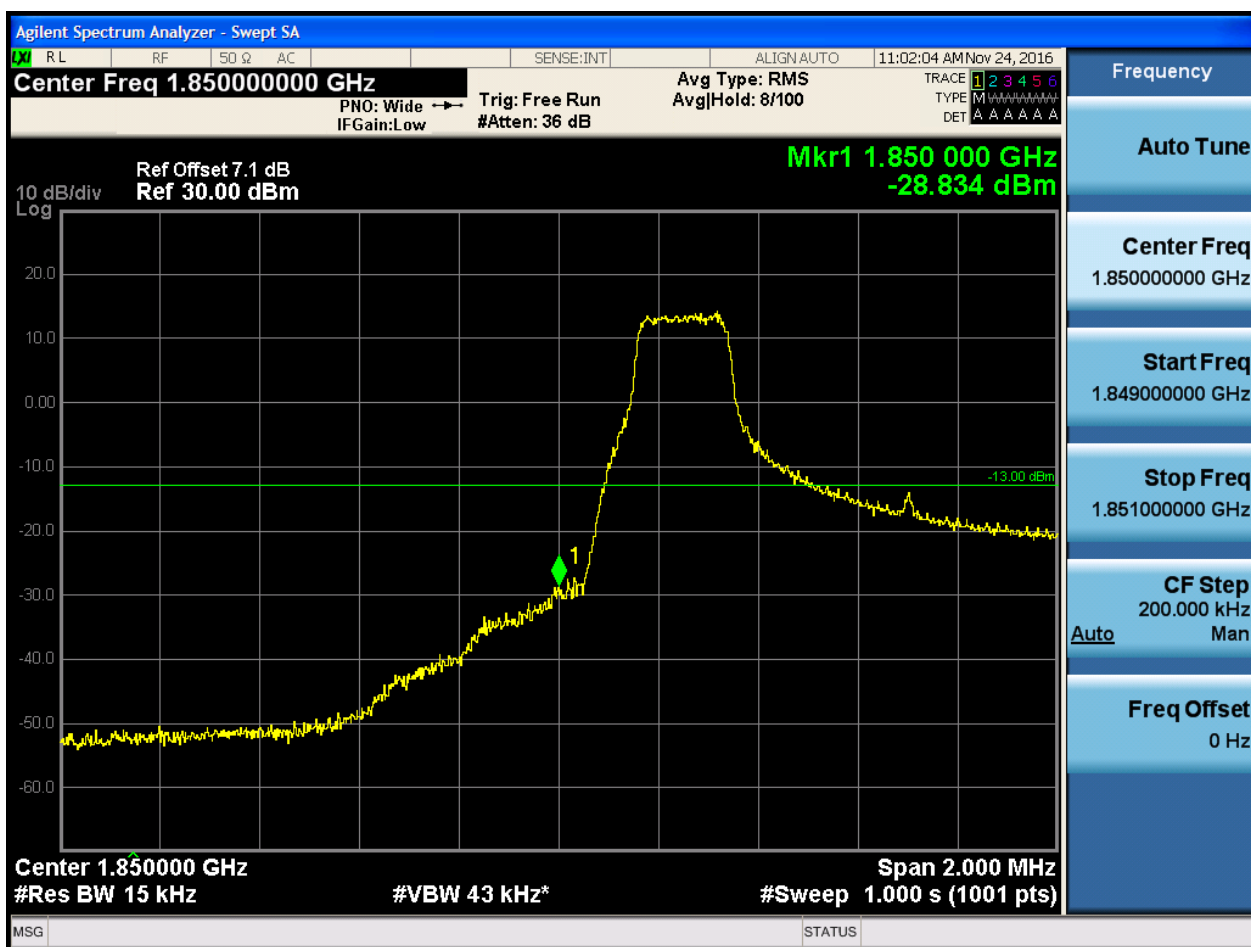
5.1.1 Test Band = BAND2

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



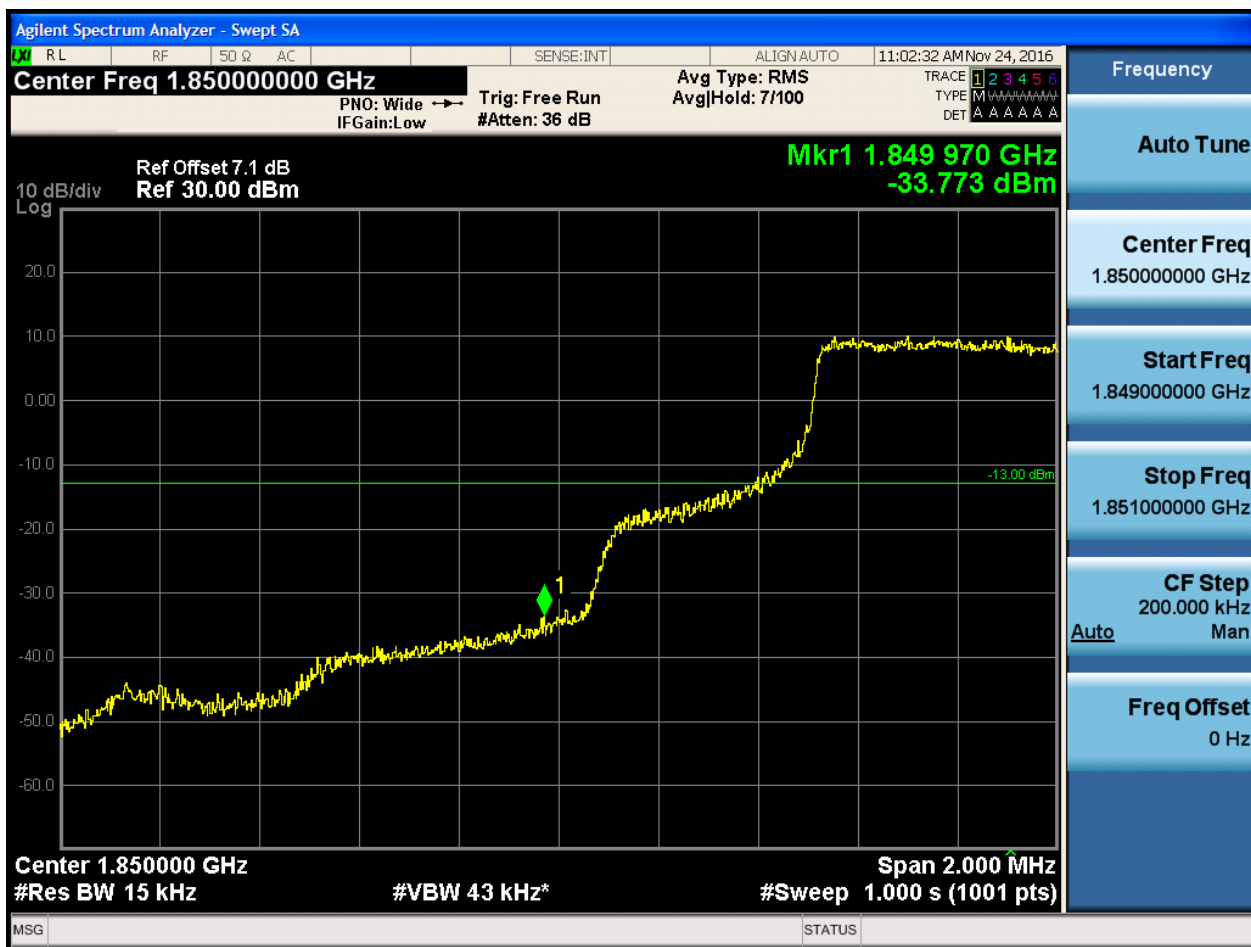


5.1.1.1.1.2 Test RB = RB1#5



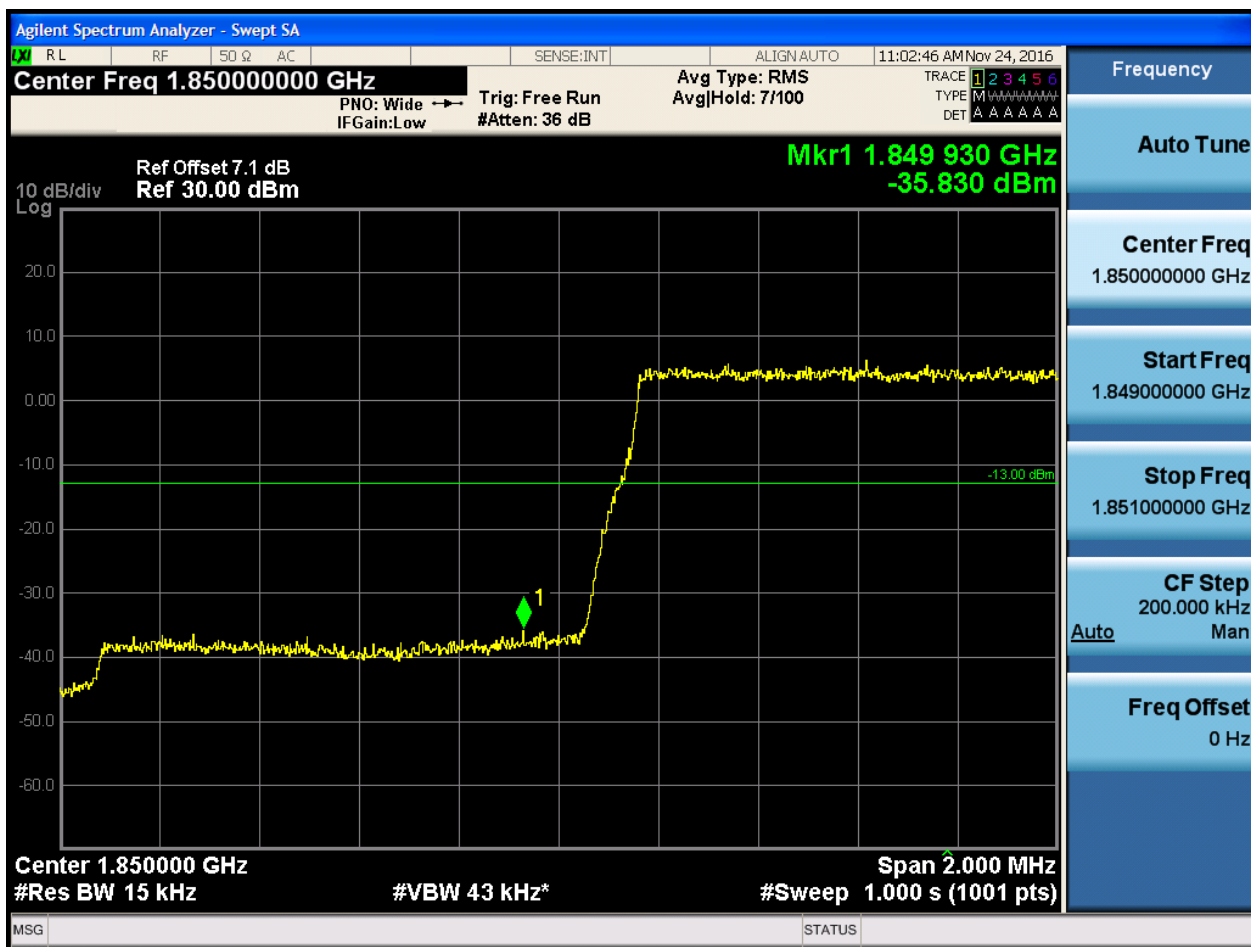


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





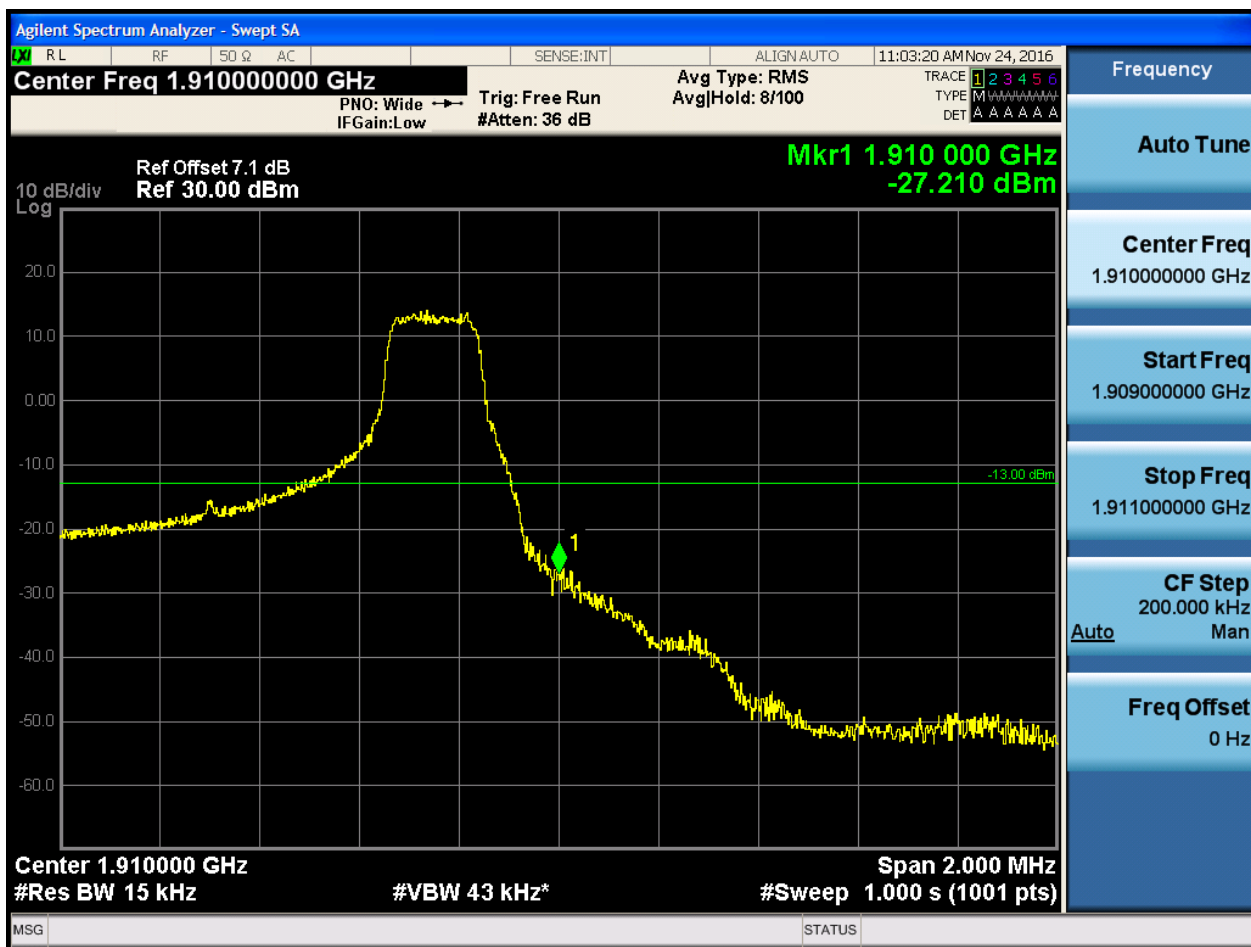
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:03:34 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-29.780 dBm

10 dB/div
Log

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

MSG STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

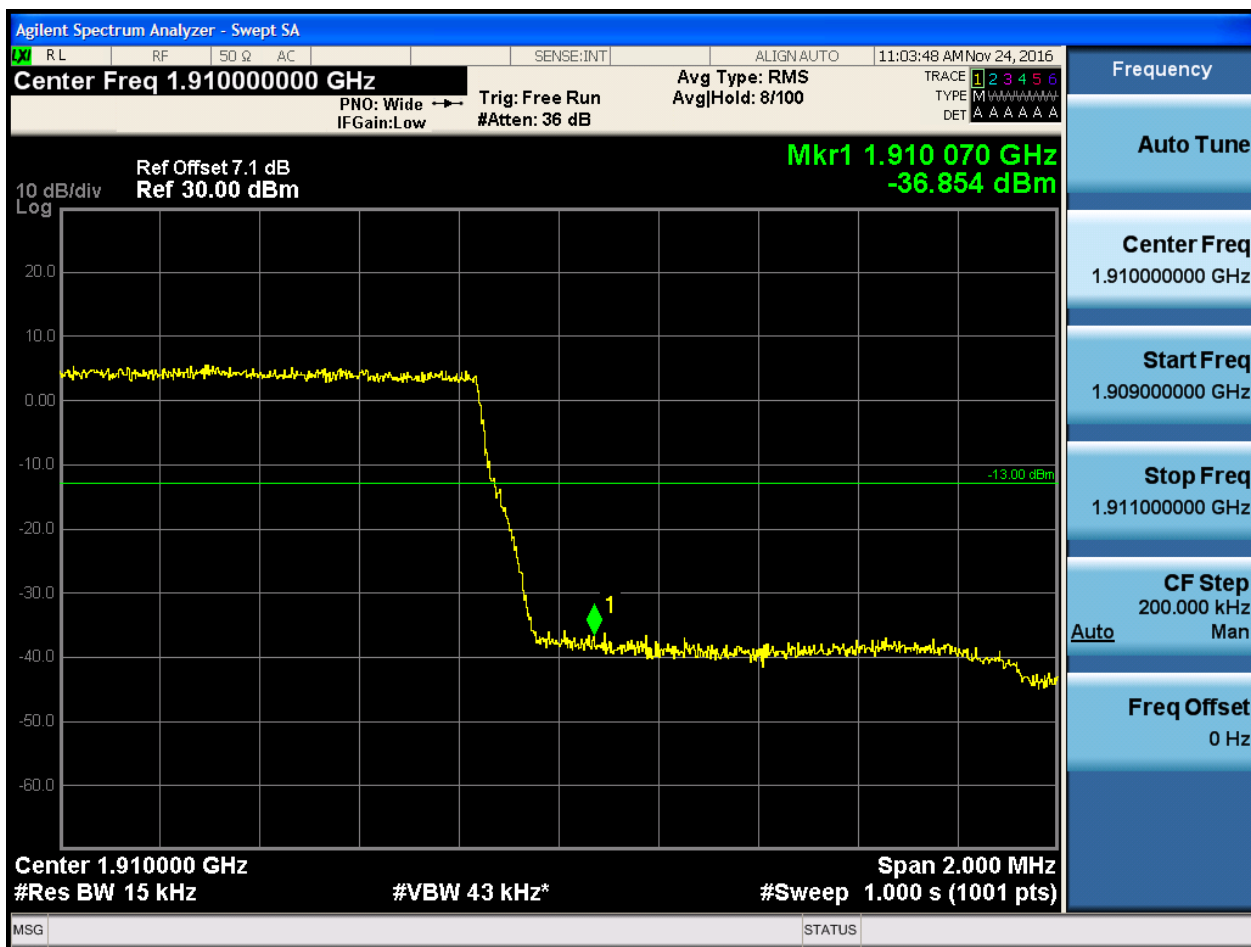
Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.4 Test RB = RB6#0

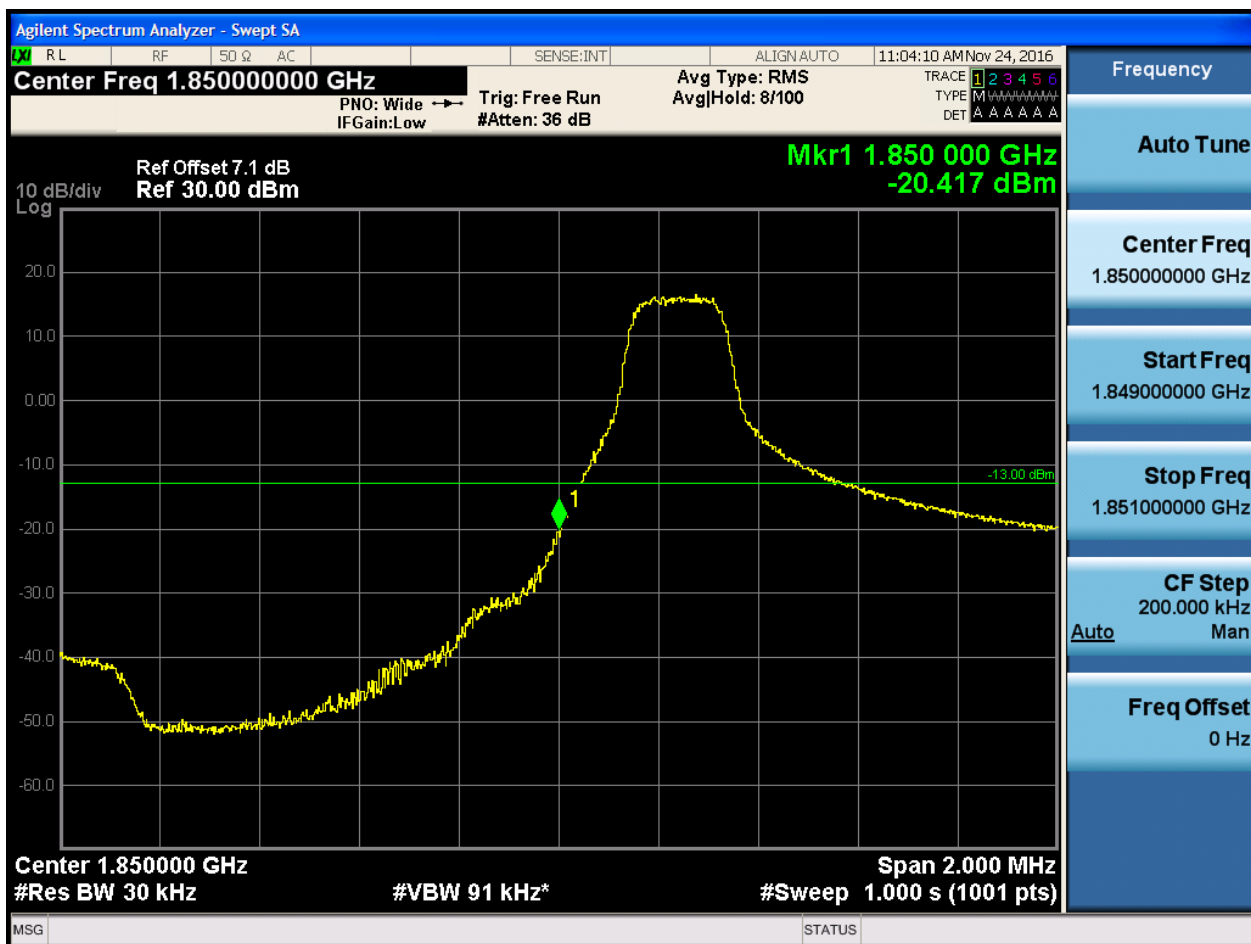




5.1.1.1.2 Test Bandwidth = 3

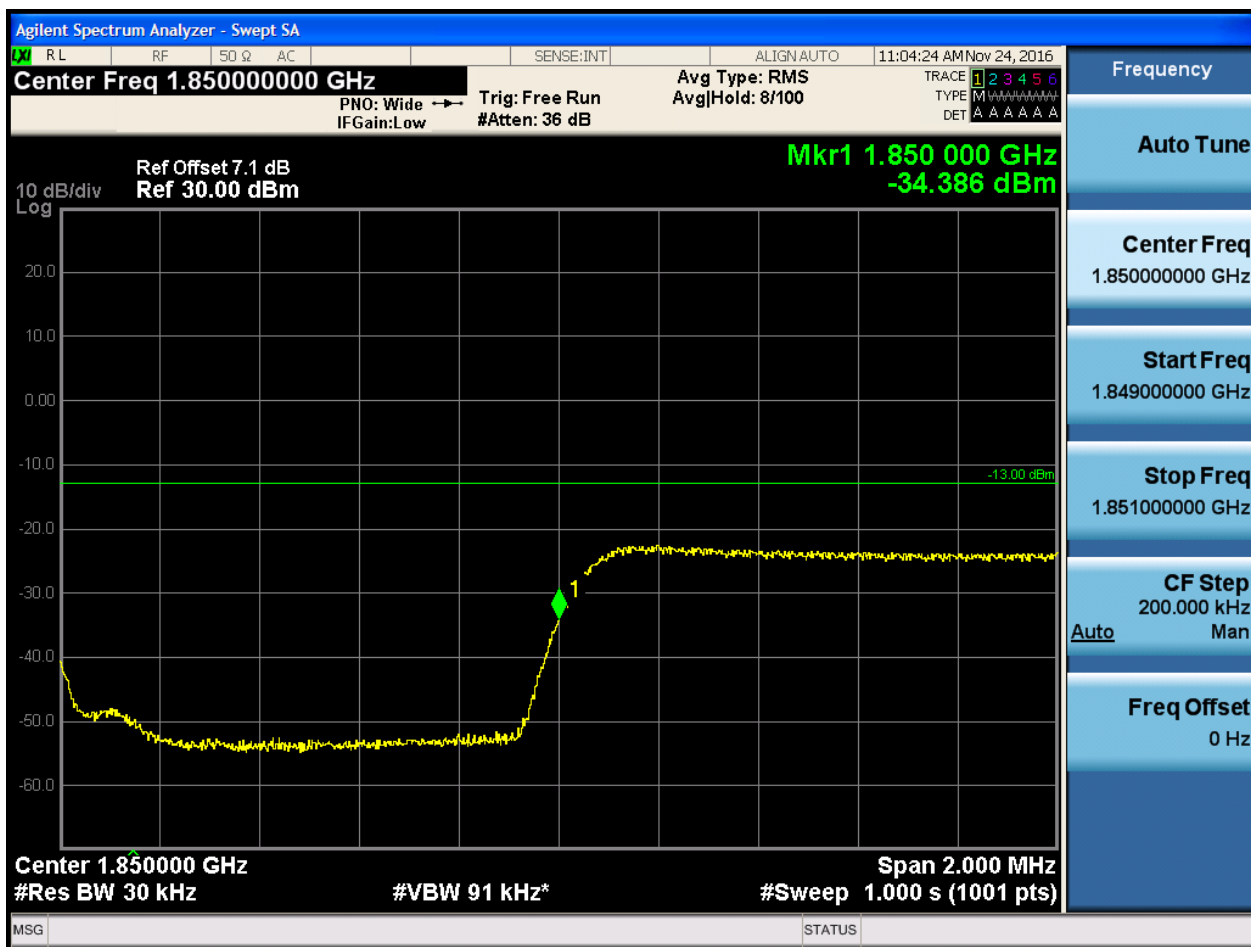
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



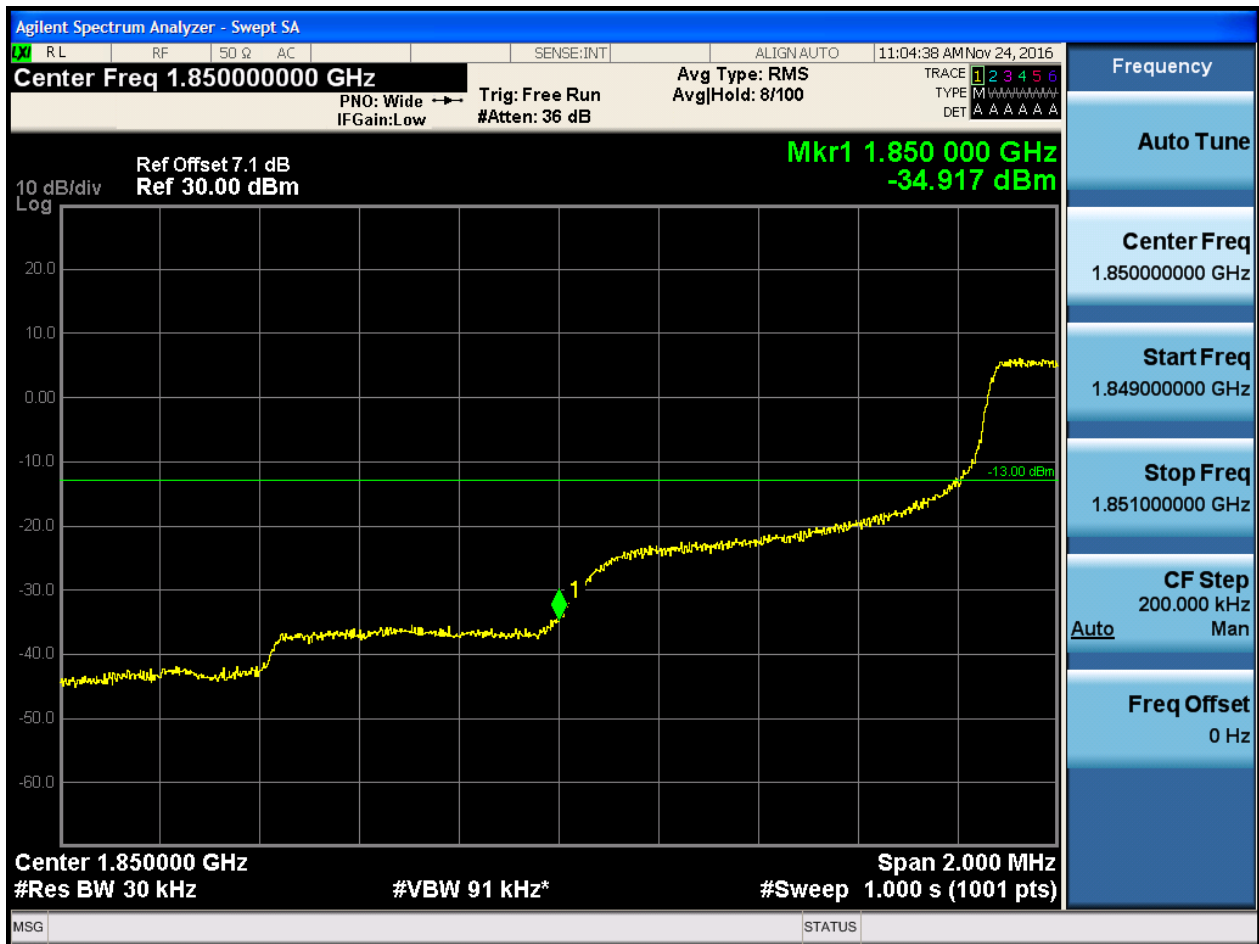


5.1.1.1.2.1.2 Test RB = RB1#14





5.1.1.1.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.850000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.850 000 GHz
-31.023 dBm

Center 1.850000 GHz
#Res BW 30 kHz
#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Man

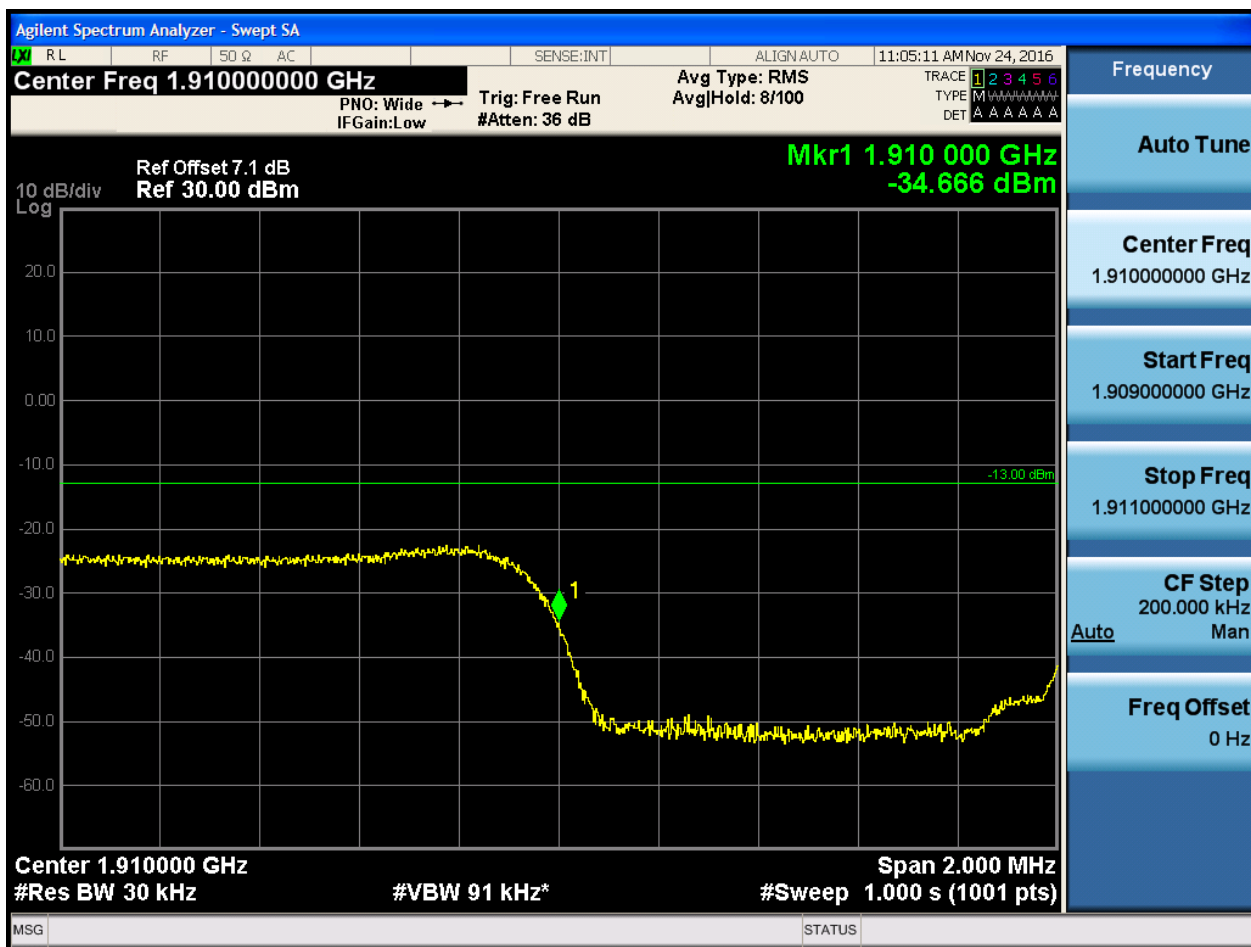
Freq Offset
0 Hz

The image displays a spectrum analyzer interface. The main plot area shows a signal that is flat at approximately -40 dBm from 1.849 GHz to 1.850 GHz, then rises sharply to about 0 dBm by 1.851 GHz. A green horizontal line is drawn at -13.00 dBm. A yellow marker labeled '1' is positioned on the rising edge of the signal. The right-hand side of the screen contains a control panel with various settings: 'Frequency' is set to 1.850000000 GHz, 'Auto Tune' is selected, 'Center Freq' is 1.850000000 GHz, 'Start Freq' is 1.849000000 GHz, 'Stop Freq' is 1.851000000 GHz, 'CF Step' is 200.000 kHz (Manual), and 'Freq Offset' is 0 Hz. The top status bar shows the device name 'Agilent Spectrum Analyzer - Swept SA', the center frequency 'Center Freq 1.850000000 GHz', reference levels 'Ref Offset 7.1 dB' and 'Ref 30.00 dBm', a marker 'Mkr1 1.850 000 GHz -31.023 dBm', and sweep parameters 'Span 2.000 MHz' and '#Sweep 1.000 s (1001 pts)'. The bottom status bar shows 'MSG' and 'STATUS'.



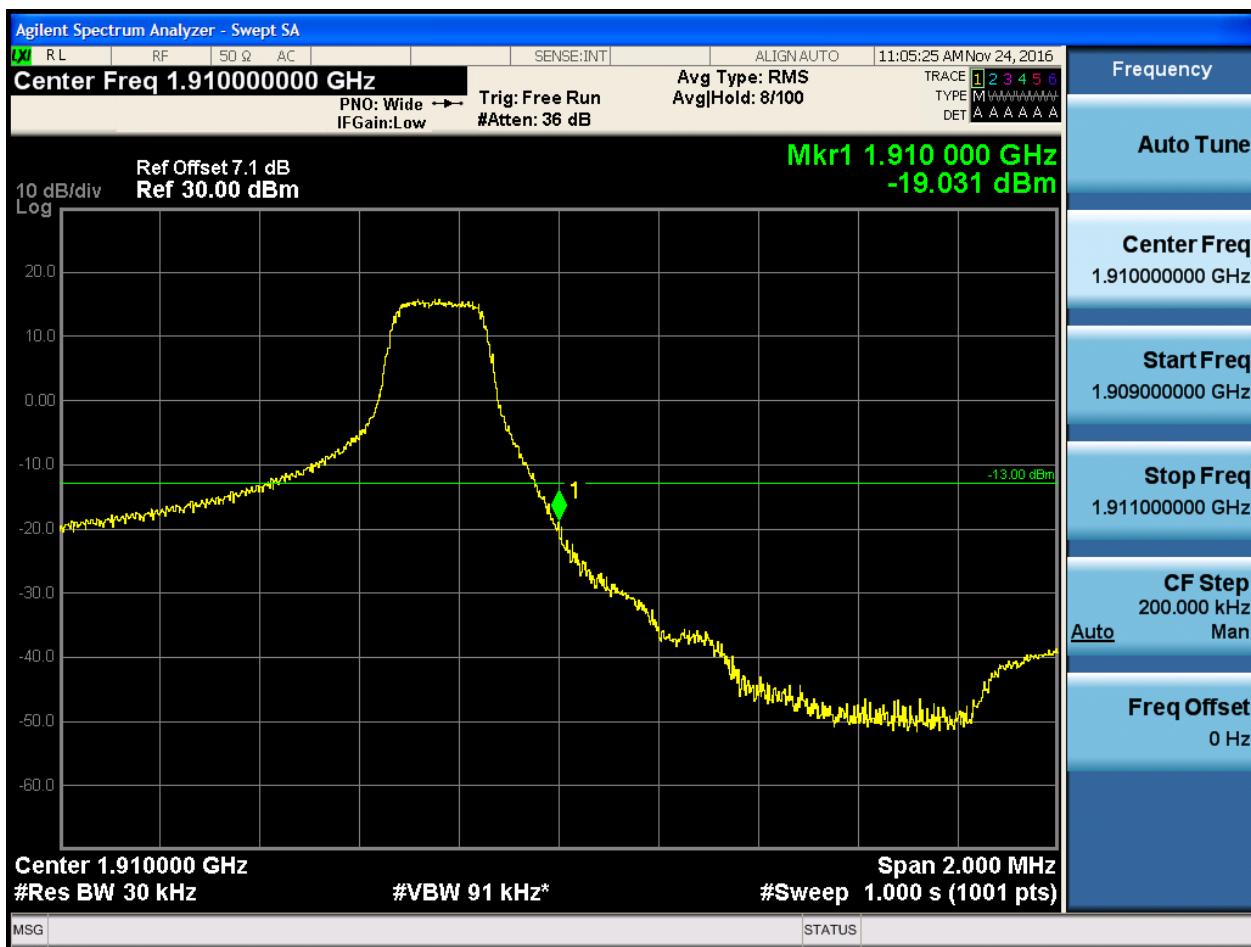
5.1.1.1.2.2 Test Channel = HCH

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

Center Freq 1.91000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-34.447 dBm

Center Freq 1.91000000 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)

MSG	STATUS



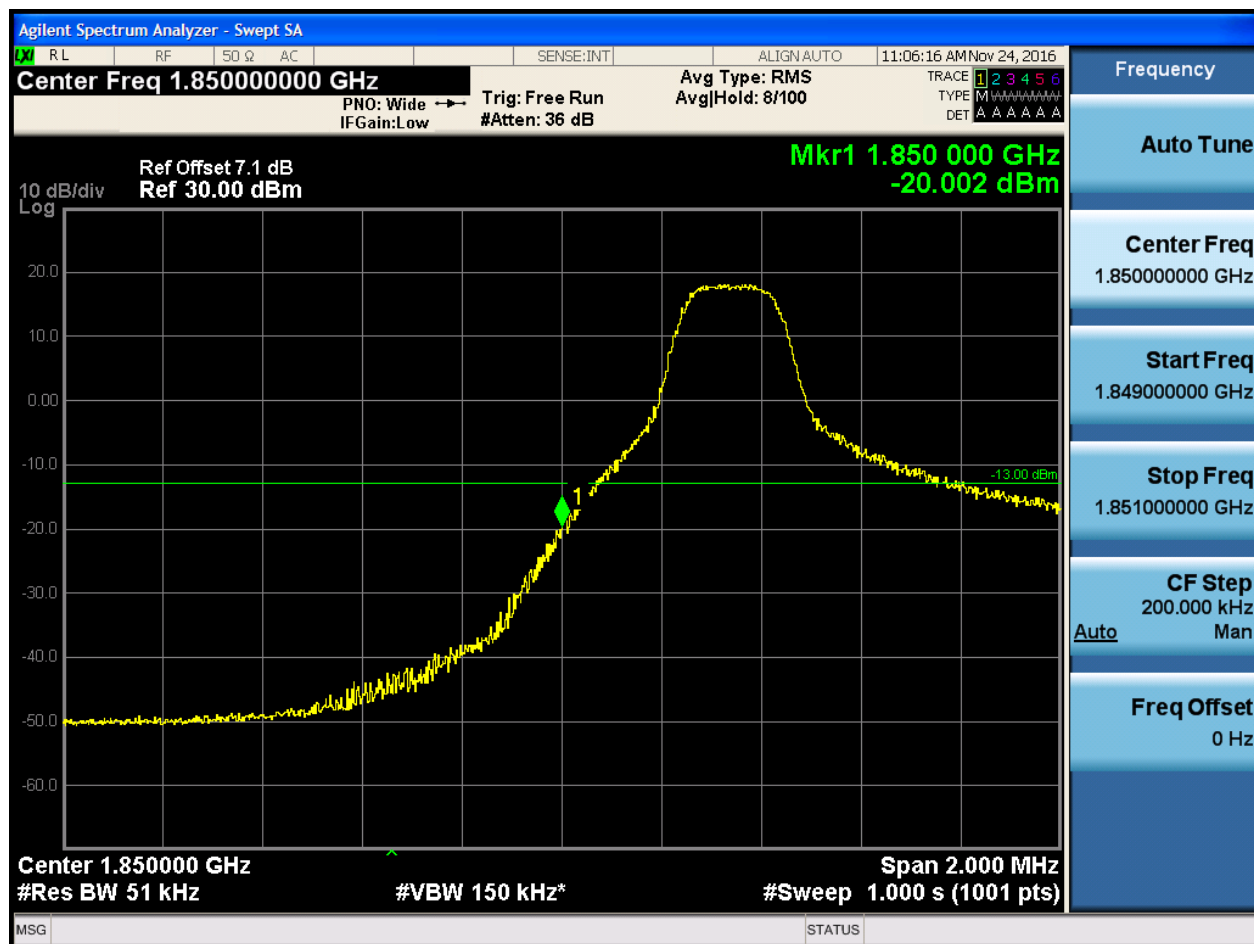
5.1.1.1.2.2.4 Test RB = RB15#0



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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:06:29 AM Nov 24, 2016

Center Freq 1.850000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 7/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-38.237 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG Alignment Completed STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:06:44 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-34.881 dBm

10 dB/div
Log

-13.00 dBm

Center 1.850000 GHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

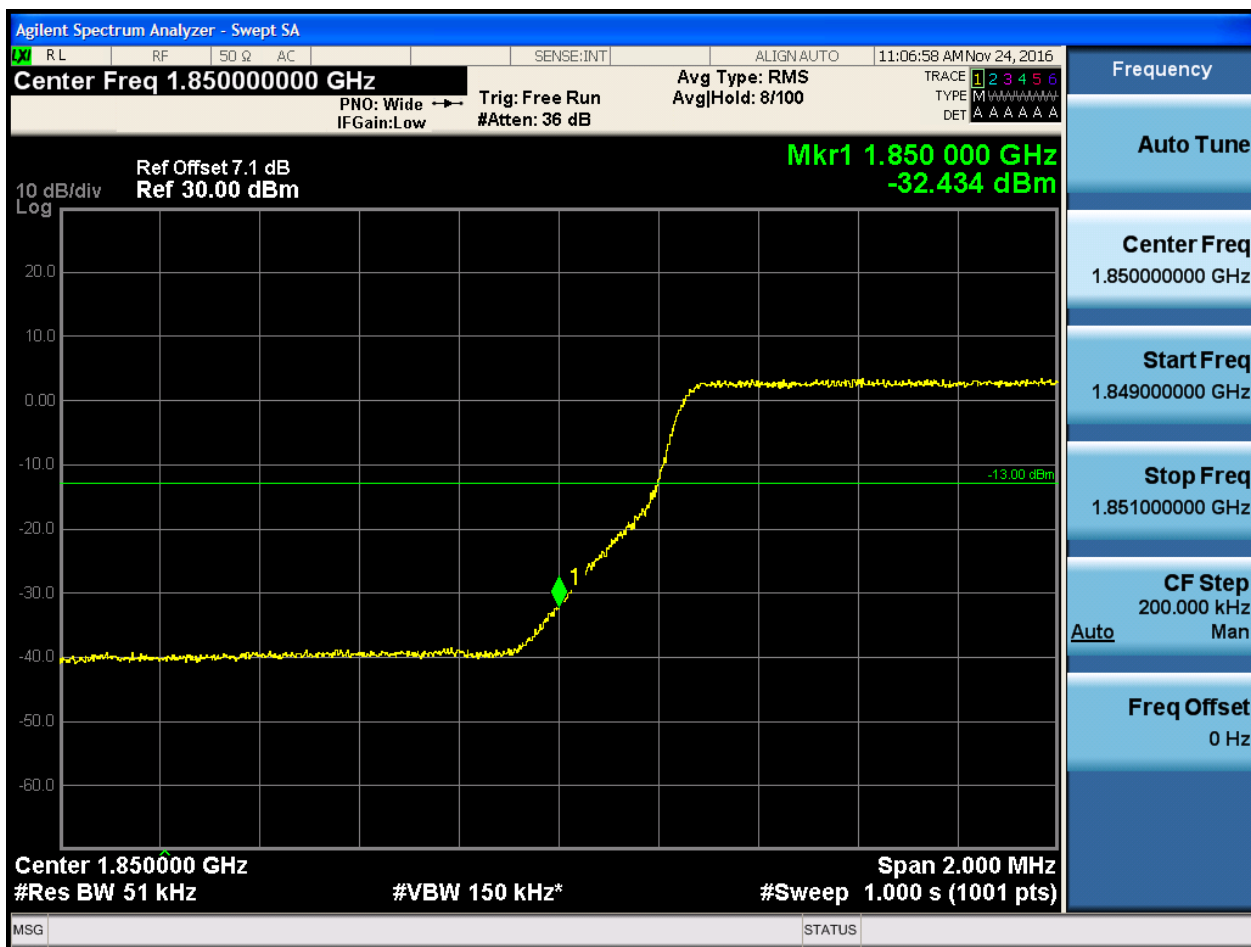
Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

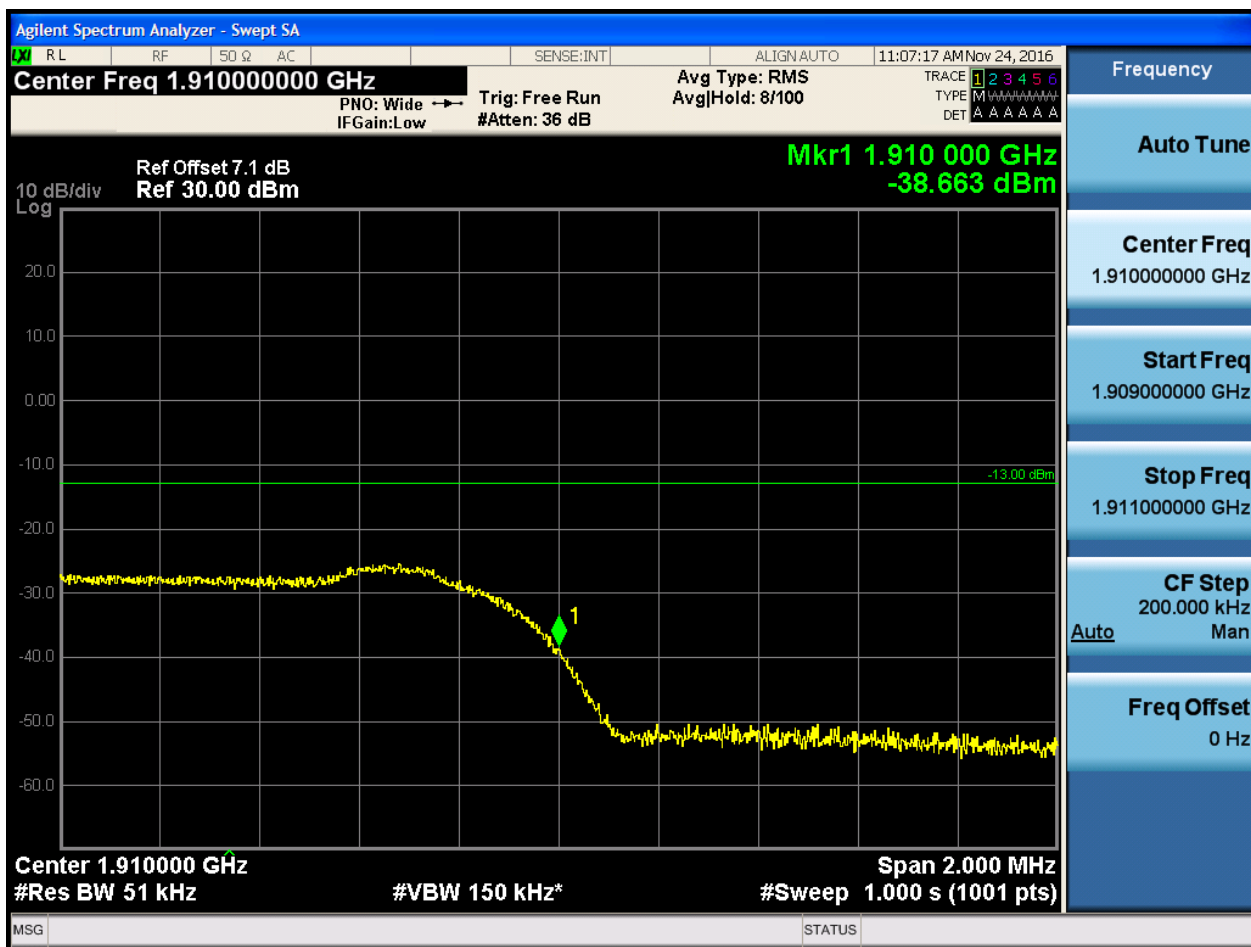


5.1.1.1.3.1.4 Test RB = RB25#0



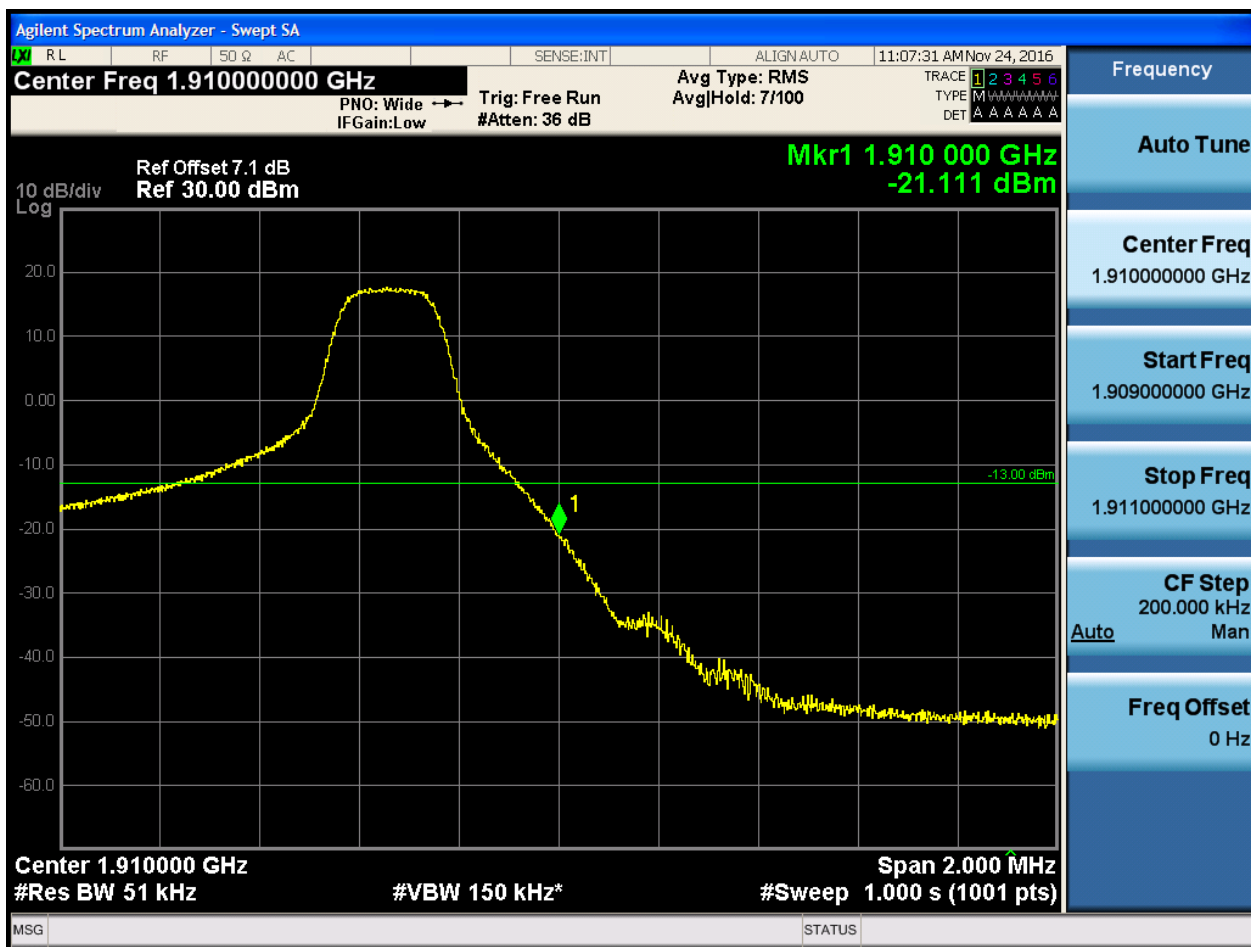
5.1.1.1.3.2 Test Channel = HCH

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:07:59 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-32.831 dBm

10 dB/div
Log

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

MSG STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

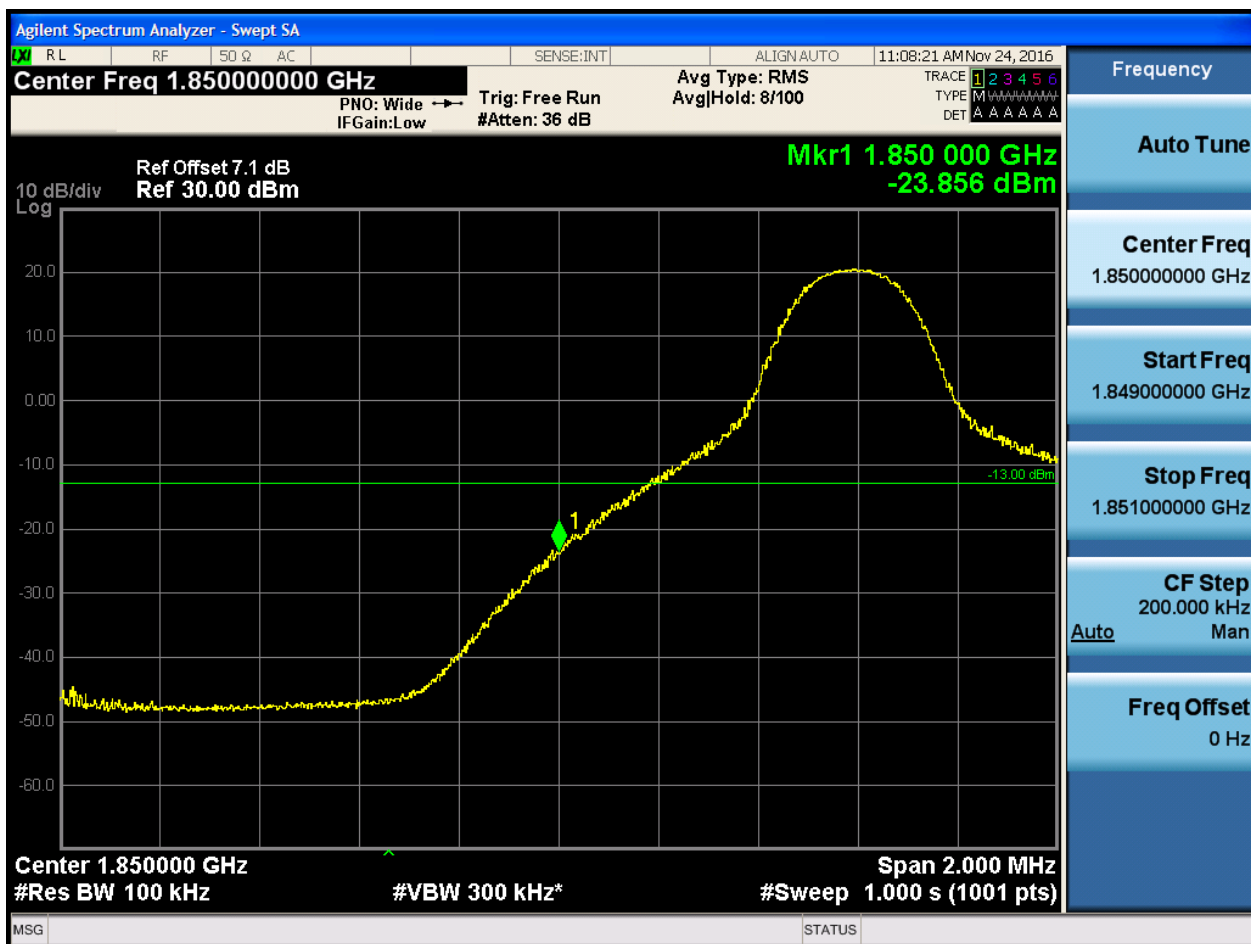
Freq Offset
0 Hz



5.1.1.1.4 Test Bandwidth = 10

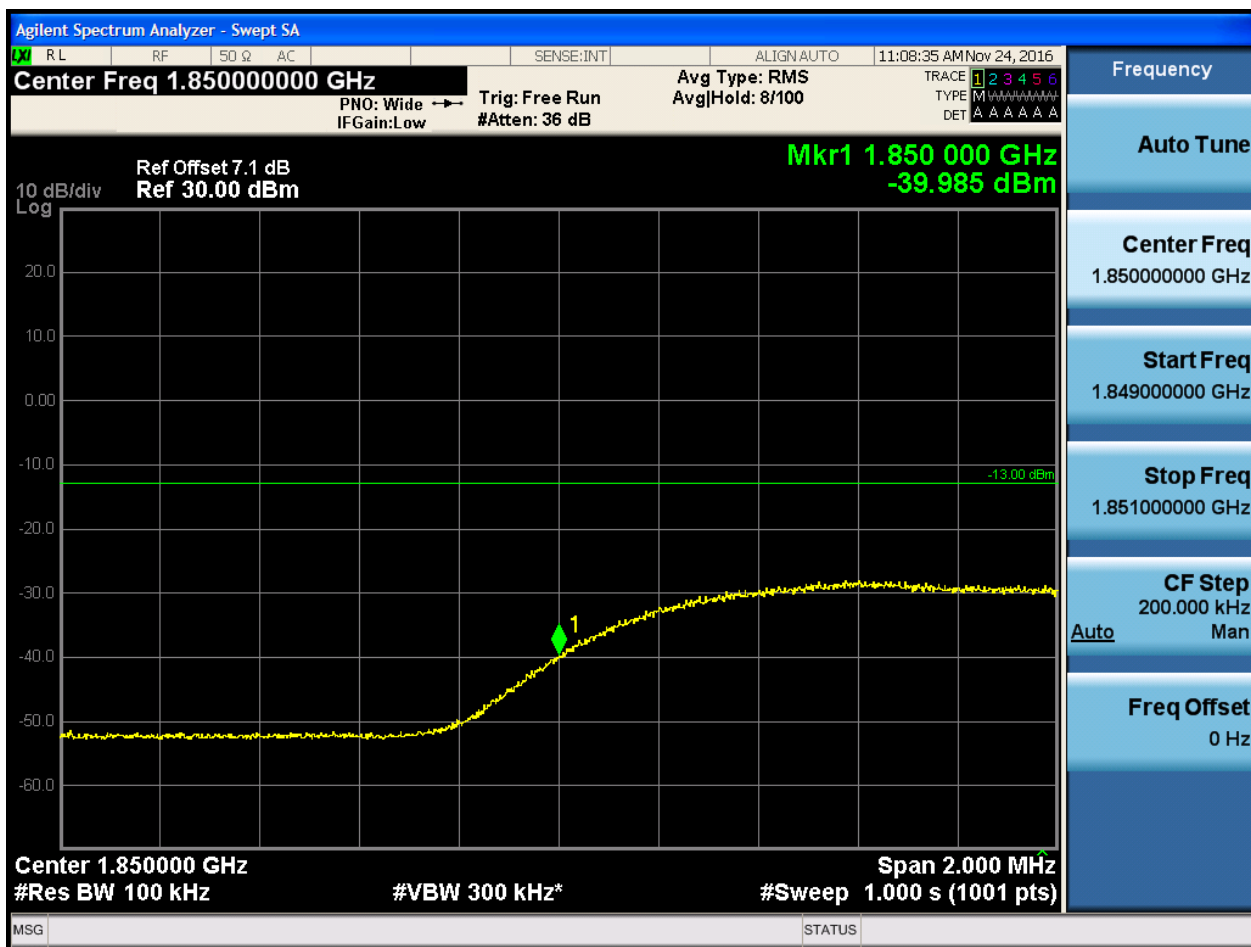
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



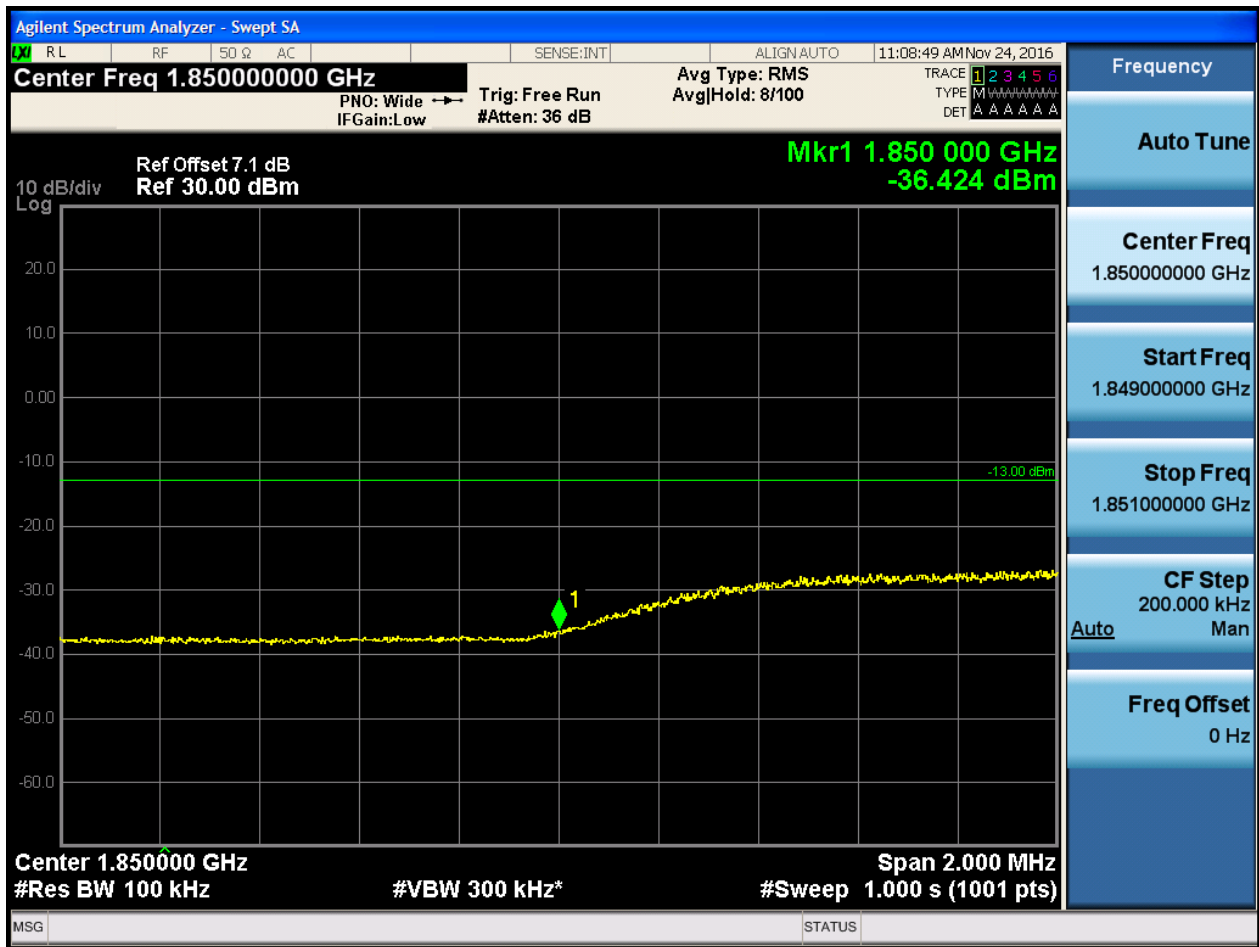


5.1.1.1.4.1.2 Test RB = RB1#49



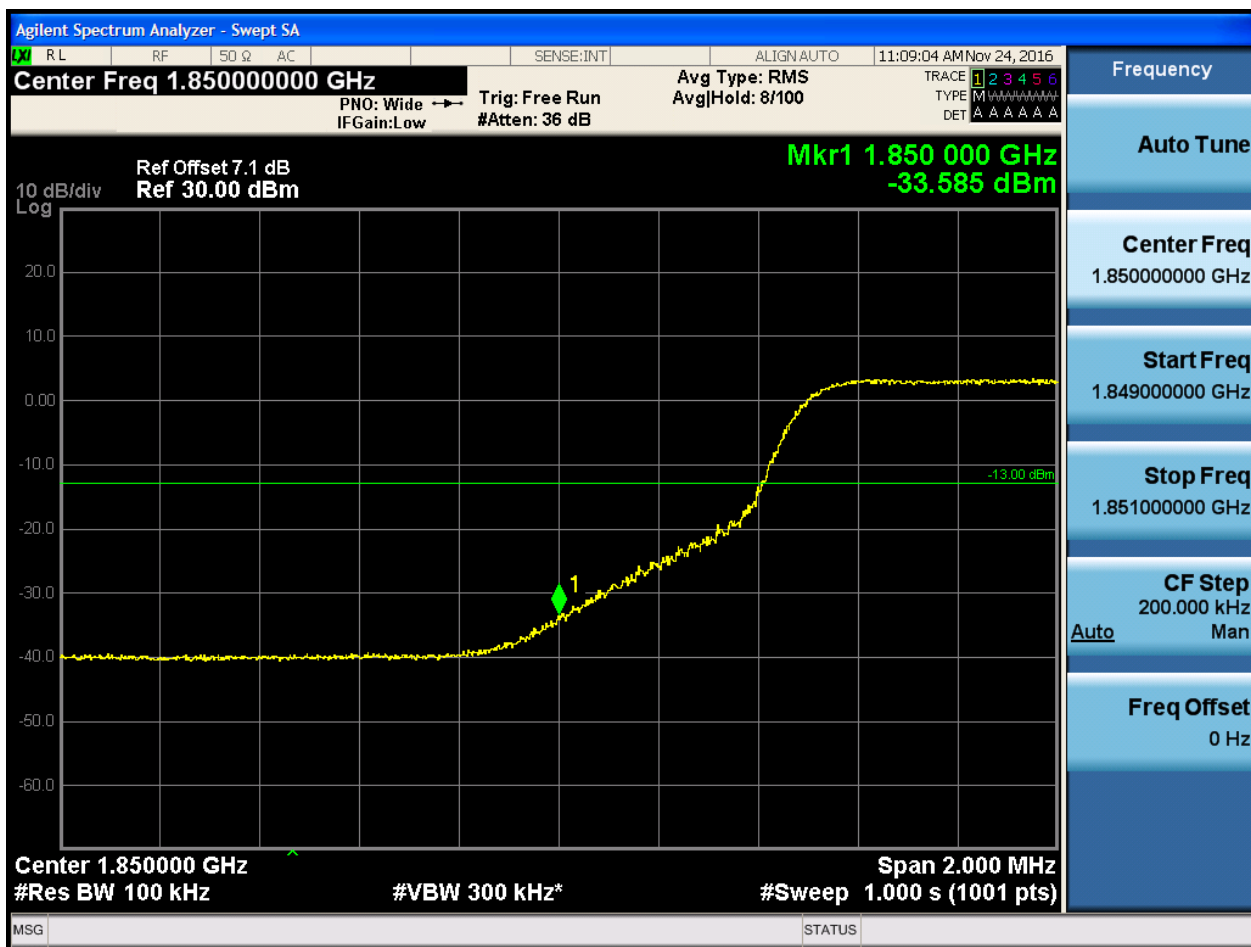


5.1.1.1.4.1.3 Test RB = RB25#13





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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:09:52 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-37.600 dBm

10 dB/div
Log

The spectrum analyzer display shows a signal at 1.910000 GHz with a power level of -37.600 dBm. The trace is marked with a green diamond and the number 1. The display includes a grid, a trace, and various measurement parameters.

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

Center 1.910000 GHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:10:06 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-33.335 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

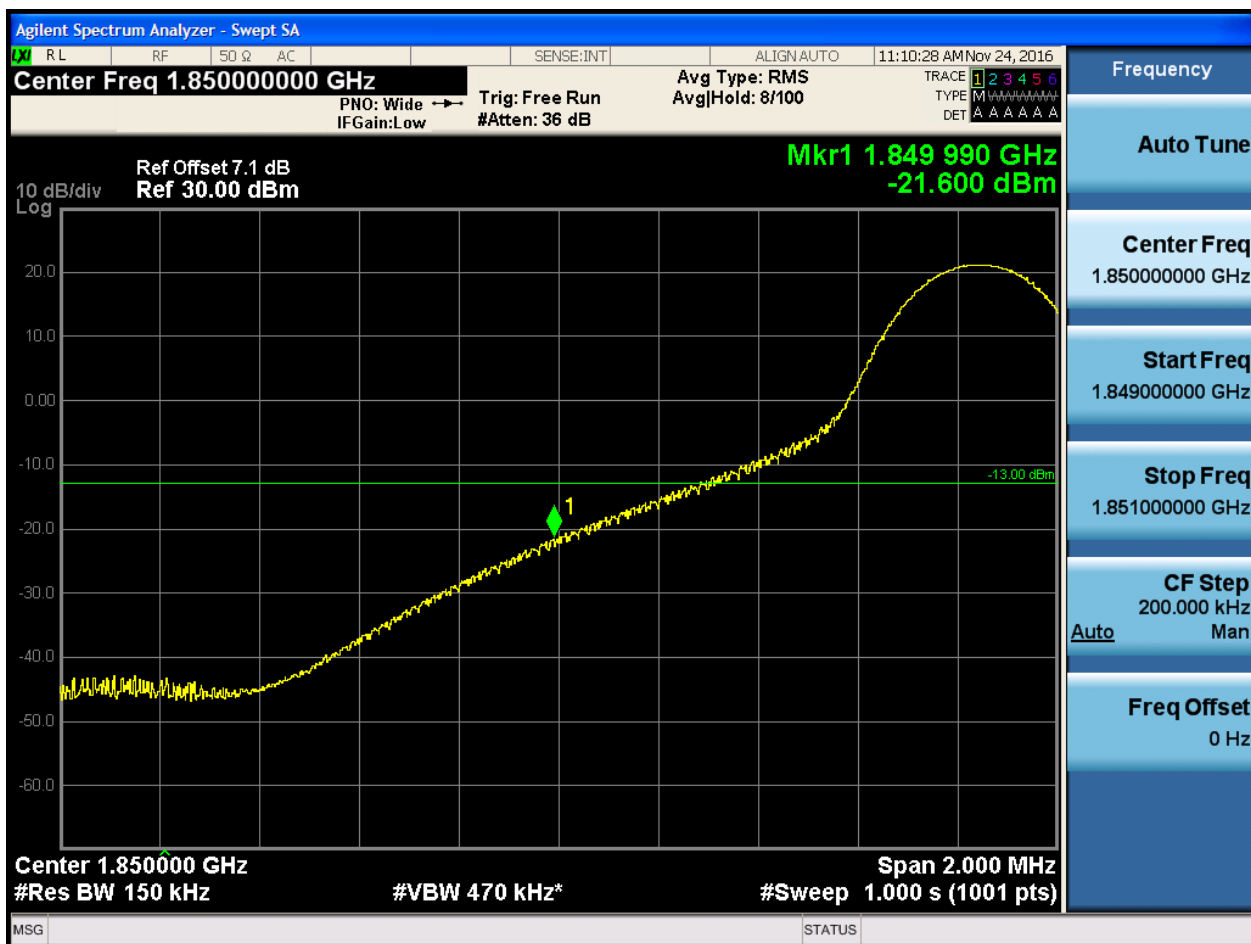
Freq Offset
0 Hz



5.1.1.1.5 Test Bandwidth = 15

5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:10:42 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-40.913 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 150 kHz

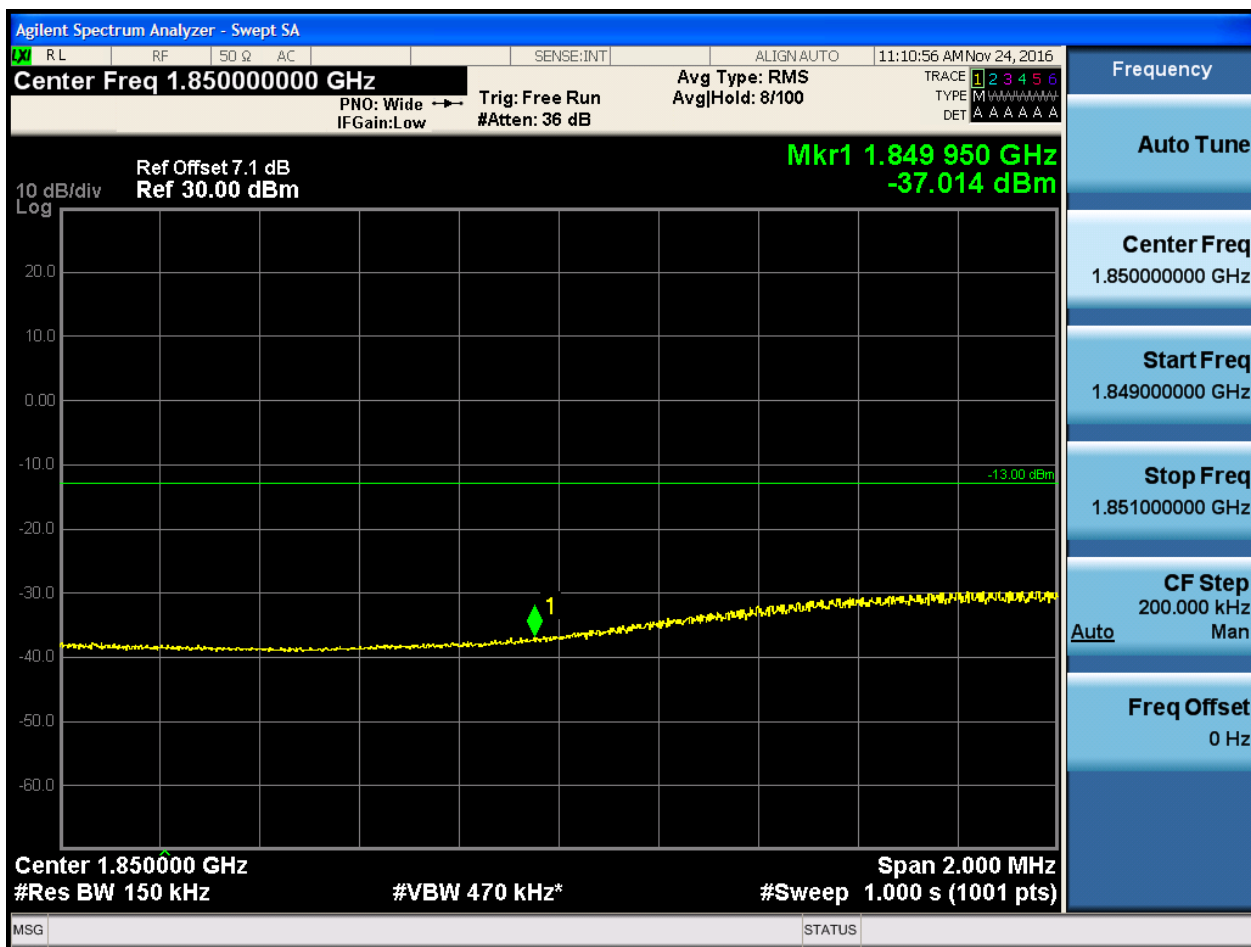
#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



5.1.1.1.5.1.3 Test RB = RB38#19





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:11:10 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-32.605 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 150 kHz
#VBW 470 kHz
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

MSG STATUS



5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL	RF	50 Ω	AC		SENSE:INT	ALIGN AUTO	11:11:44 AM Nov 24, 2016
----	----	------	----	--	-----------	------------	--------------------------

Center Freq 1.910000000 GHz

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 36 dB

Avg Type: RMS
Avg/Hold: 8/100

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-22.828 dBm

10 dB/div Log

Center 1.910000 GHz
#Res BW 150 kHz

#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.5.2.3 Test RB = RB38#19





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:12:12 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-33.933 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz
#Res BW 150 kHz
#VBW 470 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

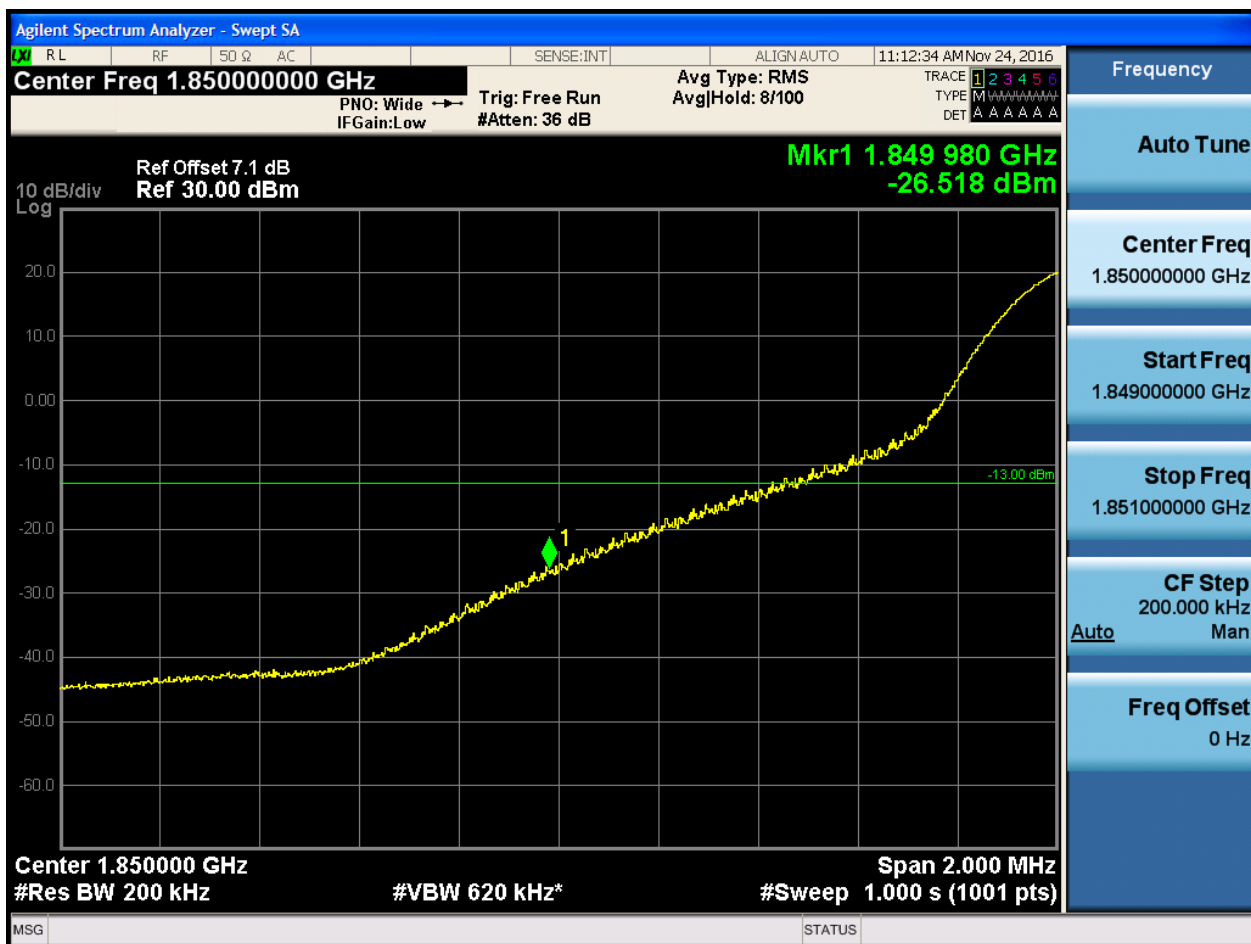
Freq Offset
0 Hz



5.1.1.1.6 Test Bandwidth = 20

5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0



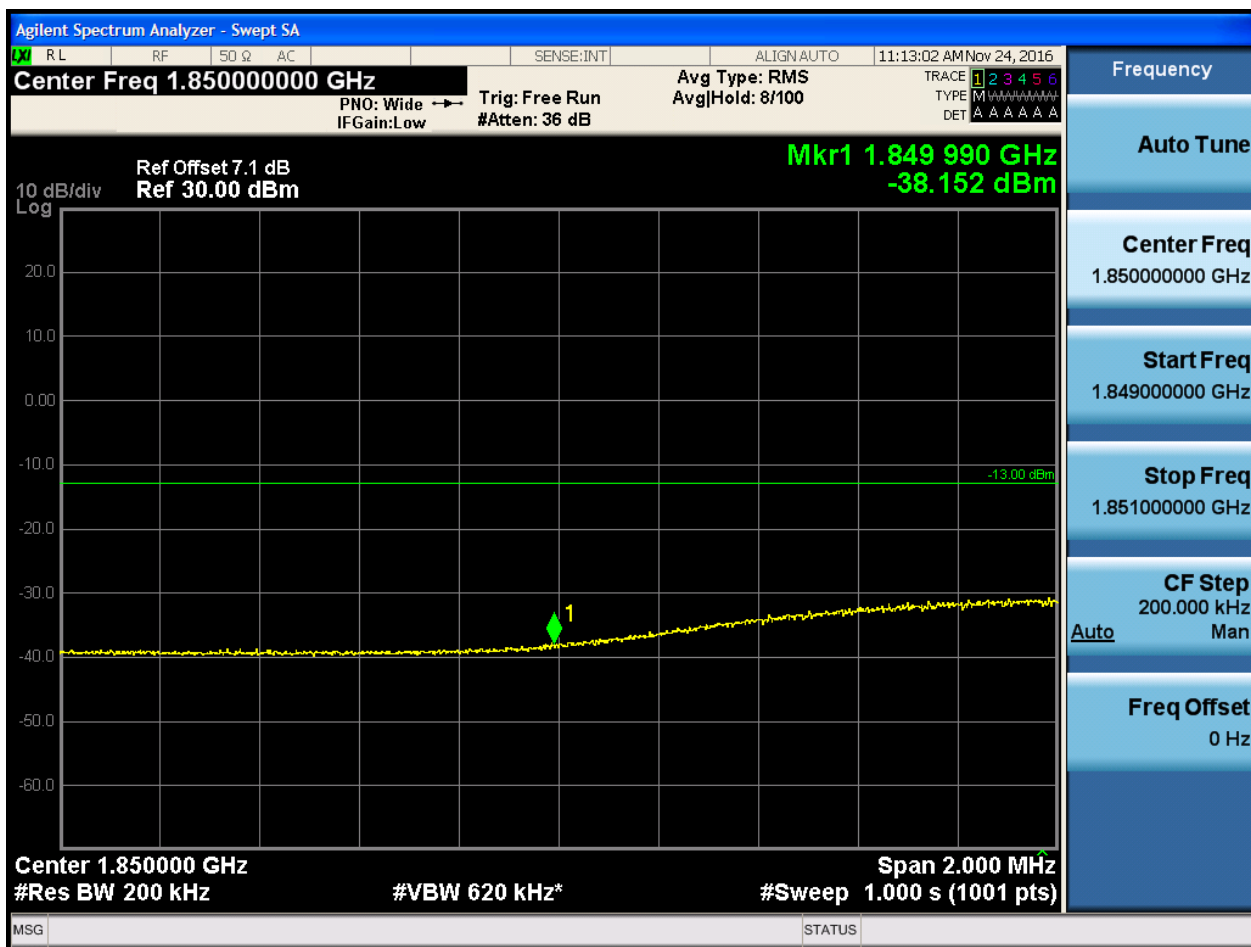


5.1.1.1.6.1.2 Test RB = RB1#99





5.1.1.1.6.1.3 Test RB = RB50#25





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.850000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.849 990 GHz
-35.429 dBm

Center 1.850000 GHz
#Res BW 200 kHz
#VBW 620 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Man

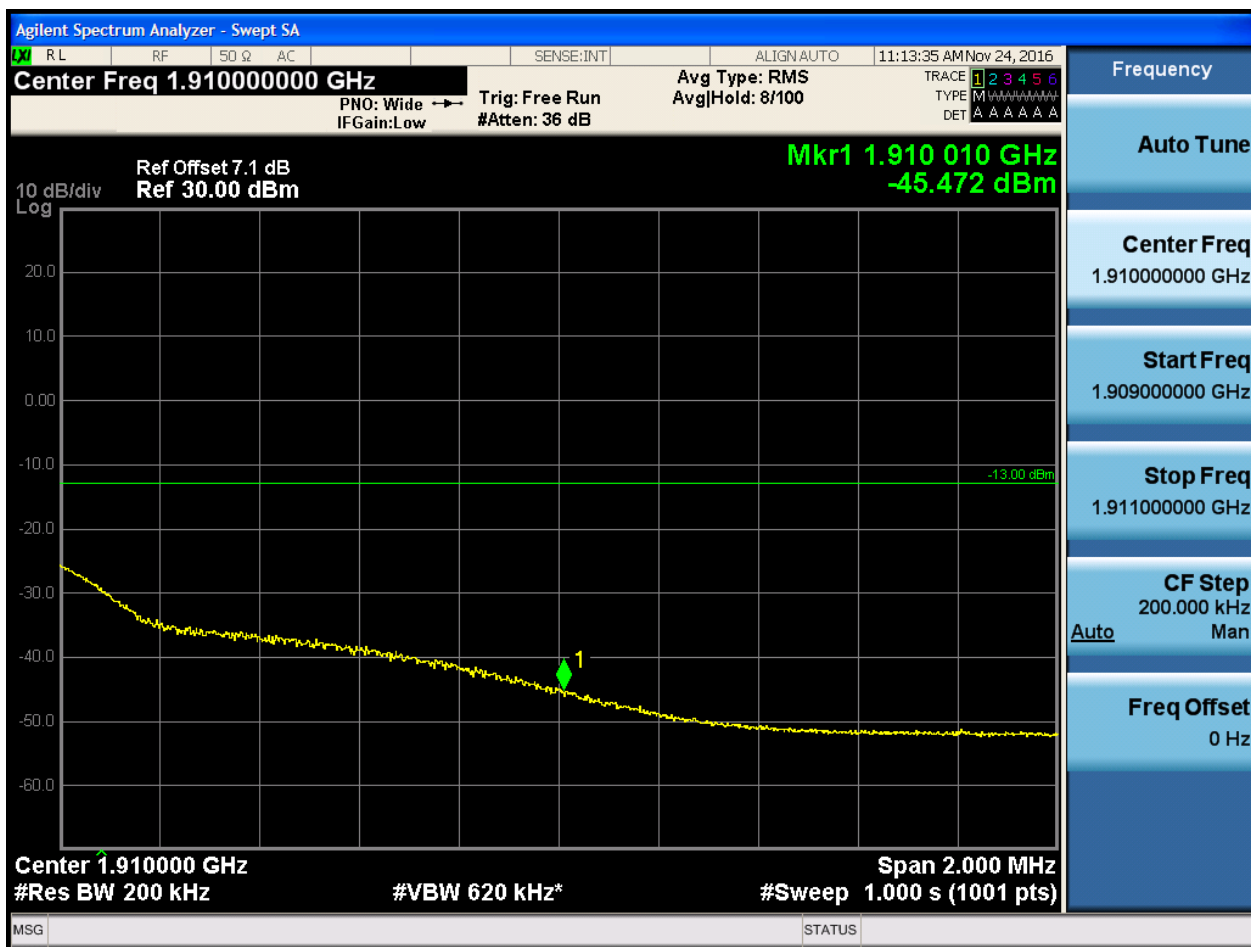
Freq Offset
0 Hz

MSG STATUS



5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:13:49 AM Nov 24, 2016

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide IFGain: Low Trig: Free Run AvgHold: 71/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 020 GHz
-26.809 dBm

10 dB/div
Log

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

-13.00 dBm

1

Center 1.910000 GHz
#Res BW 200 kHz

#VBW 620 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:14:04 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 010 GHz
-38.477 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz
#Res BW 200 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 620 kHz*

MSG STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:14:17 AM Nov 24, 2016

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide IF Gain: Low Trig: Free Run Avg Hold: 7/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 010 GHz
-36.722 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

MSG STATUS

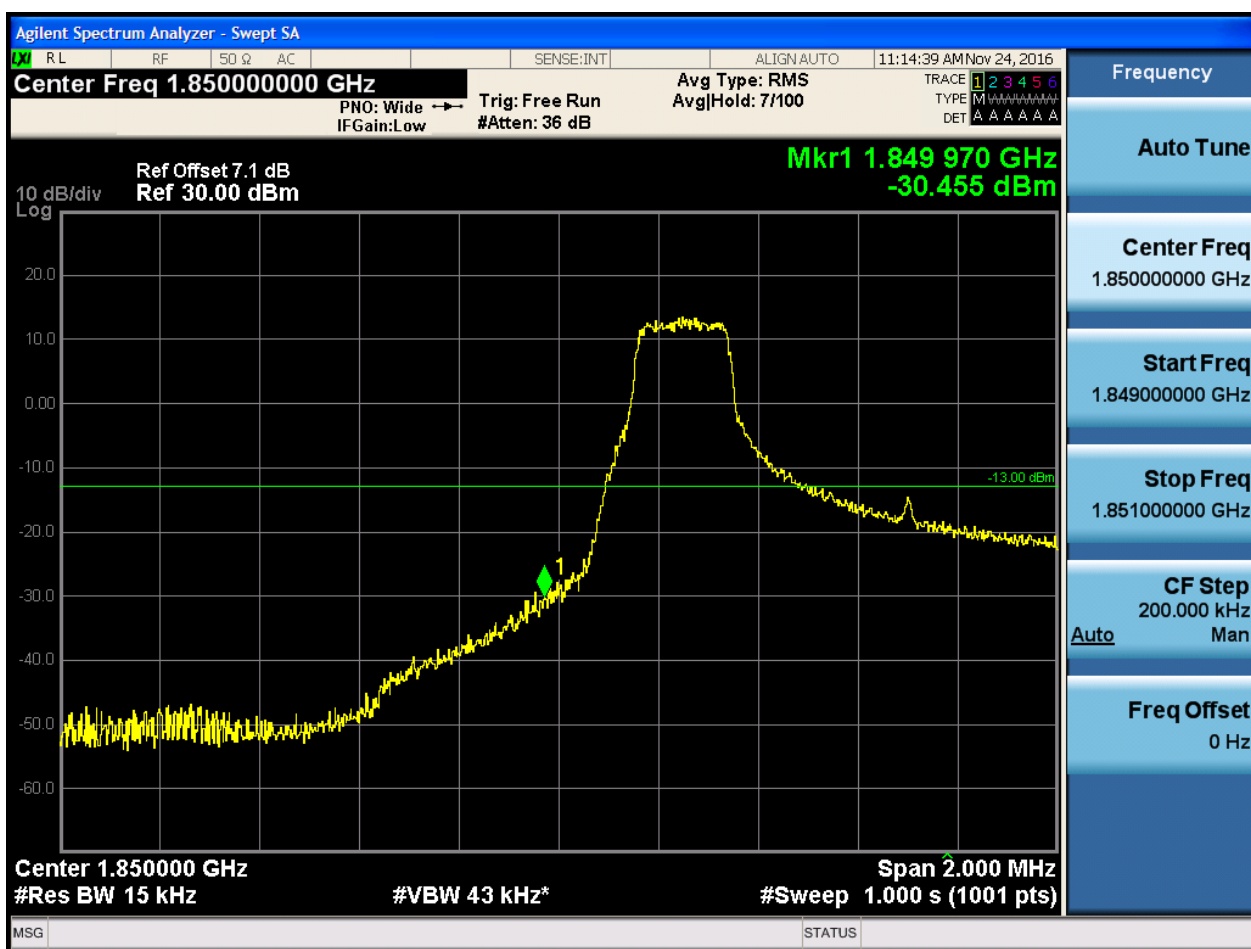


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

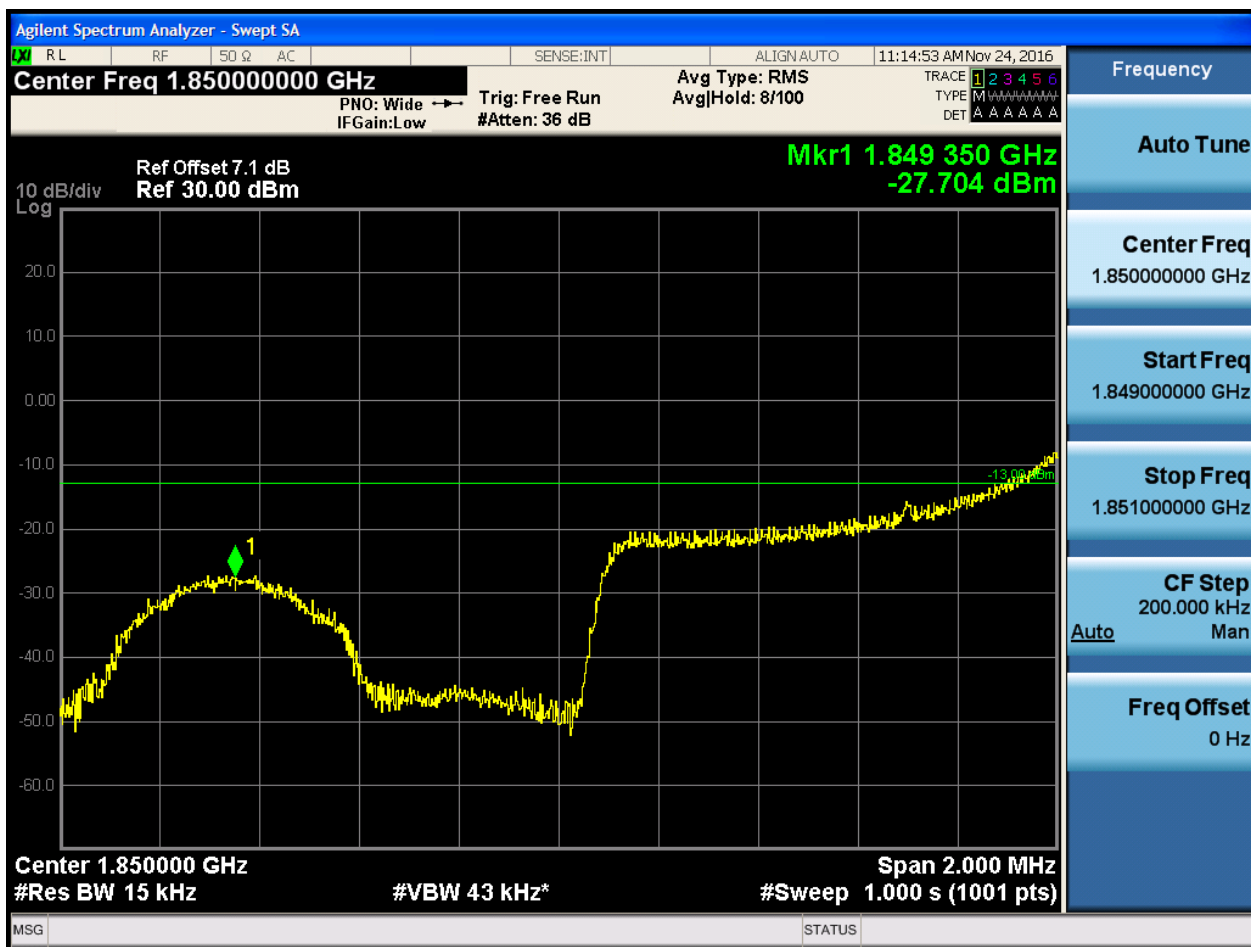
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:15:07 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-33.679 dBm

10 dB/div
Log

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

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

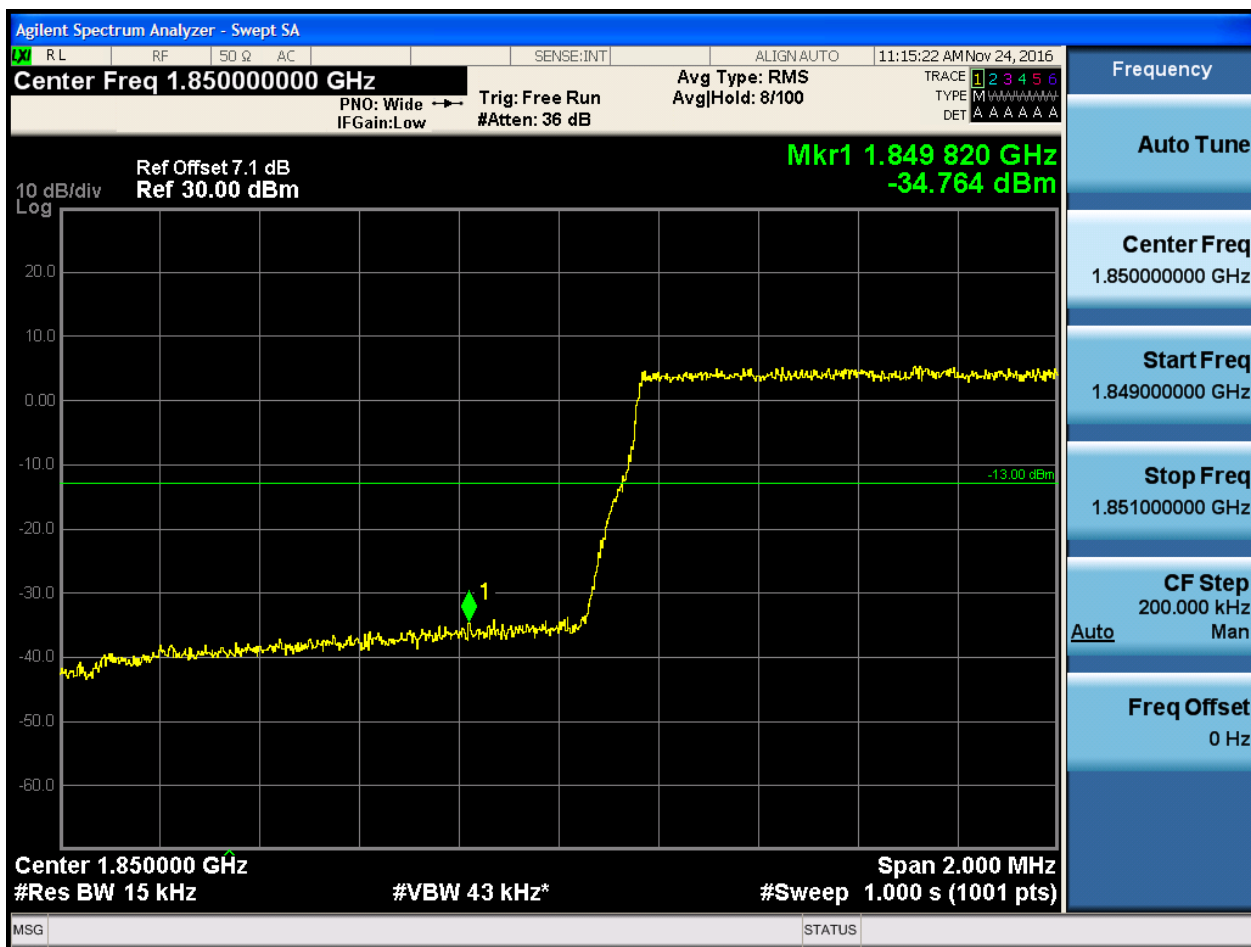
Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.2.1.1.4 Test RB = RB6#0



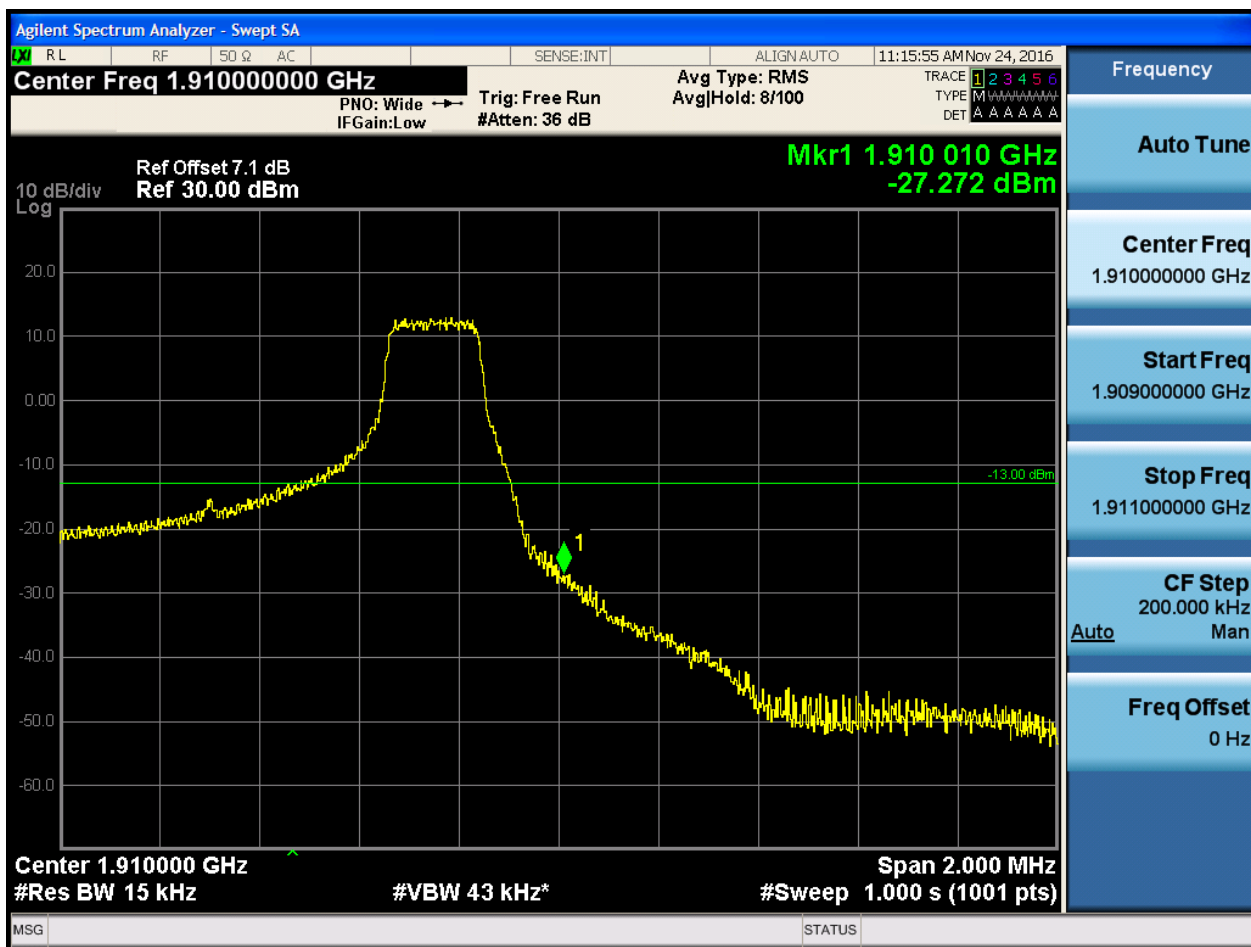


5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0

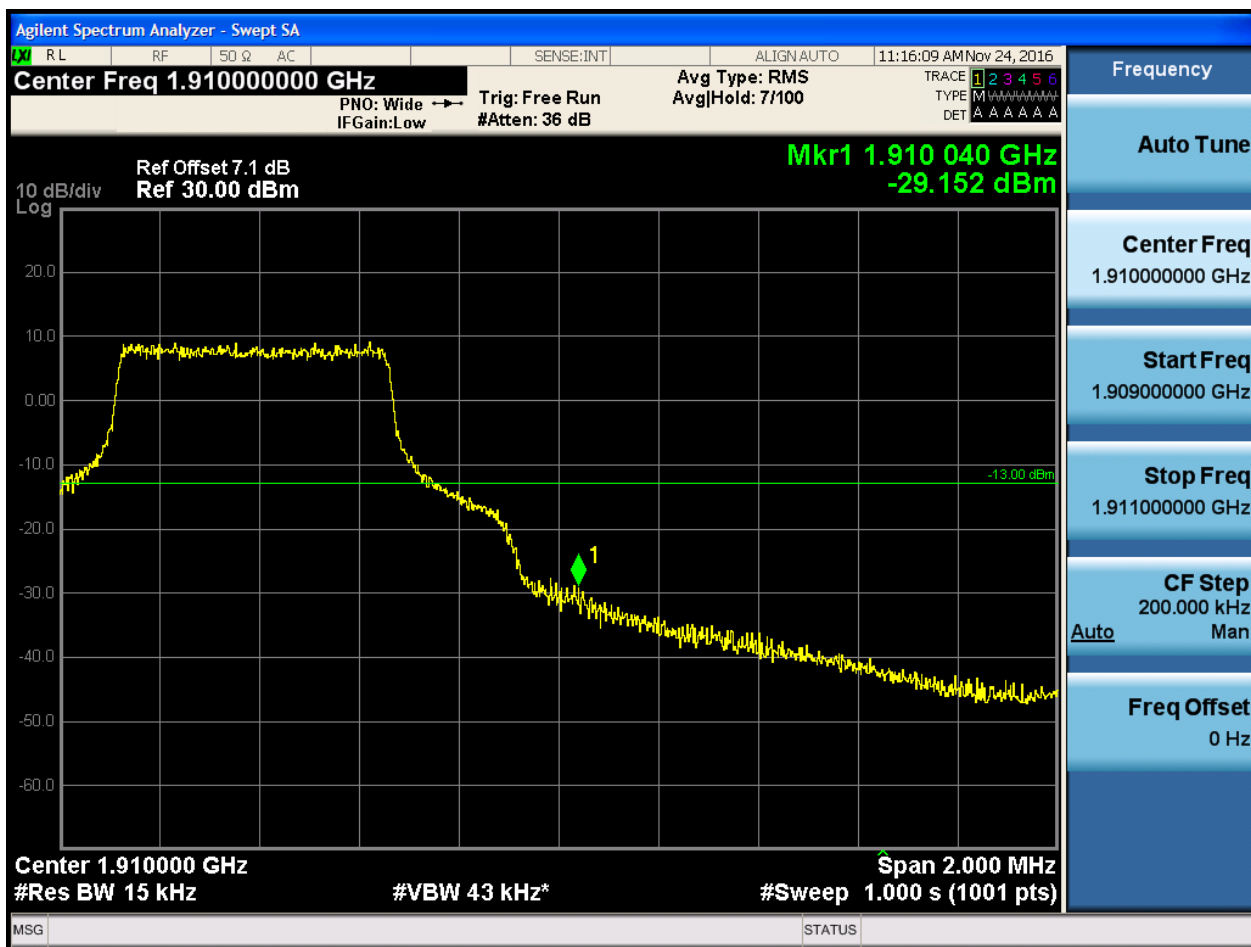


5.1.1.2.1.2.2 Test RB = RB1#5



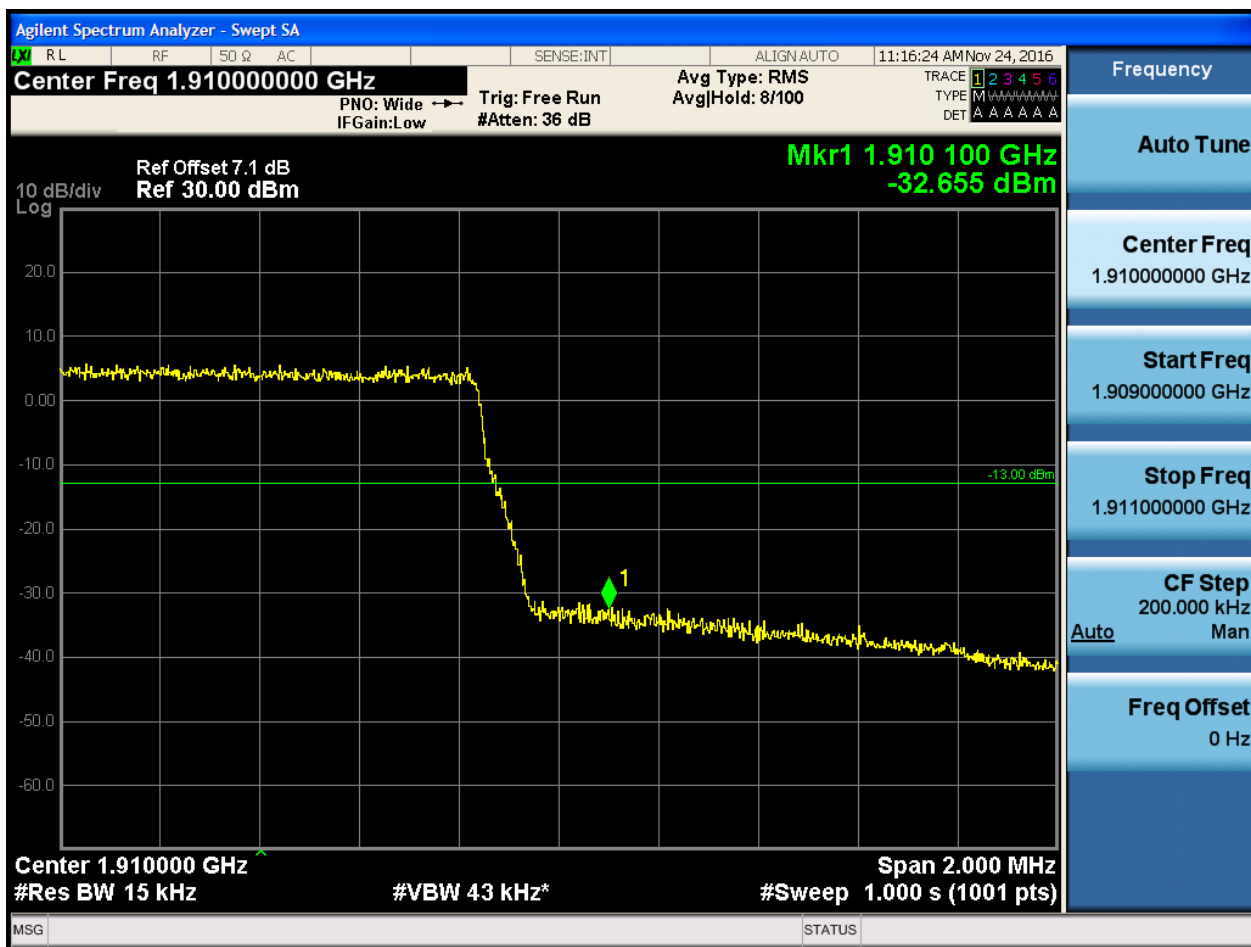


5.1.1.2.1.2.3 Test RB = RB3#2





5.1.1.2.1.2.4 Test RB = RB6#0

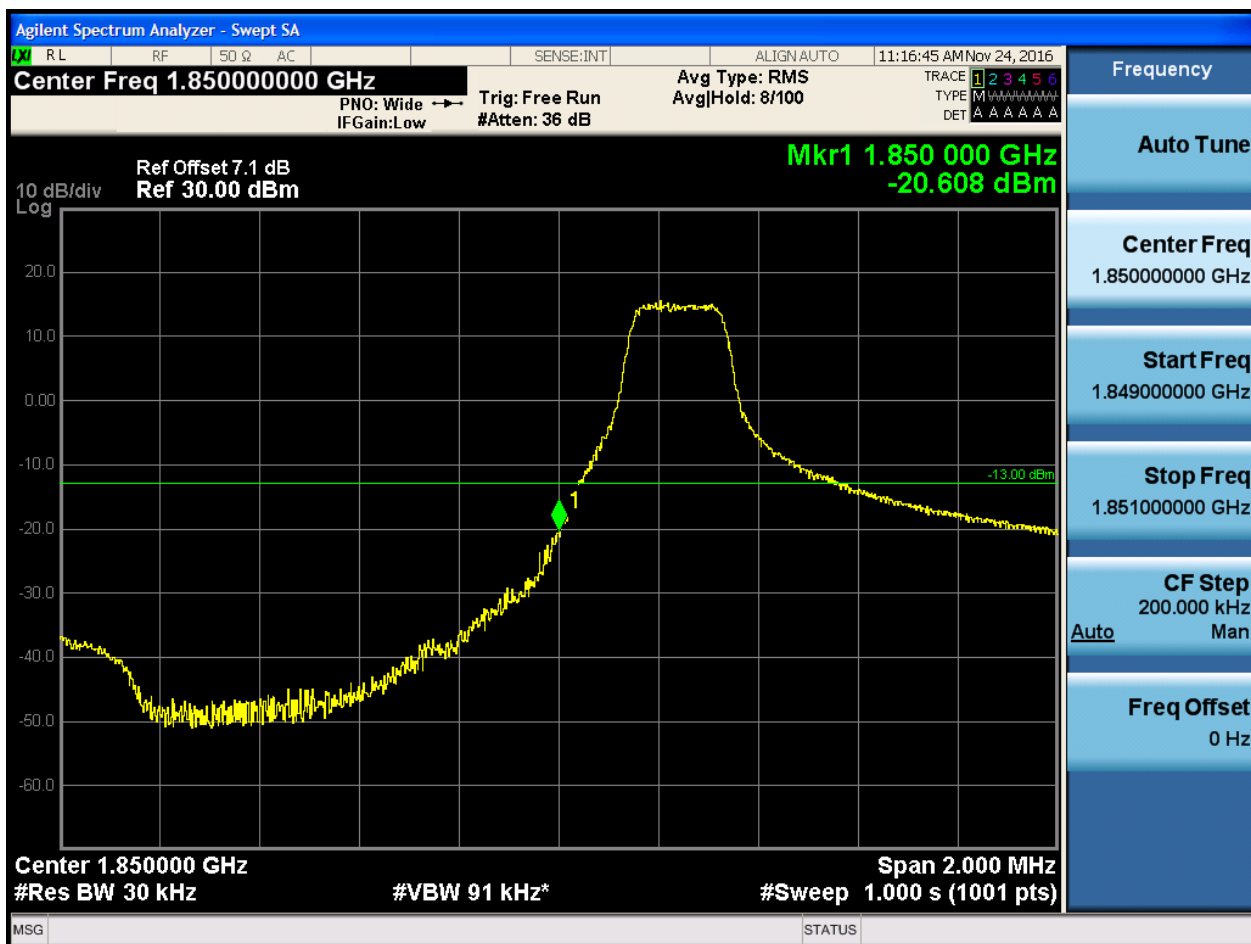




5.1.1.2.2 Test Bandwidth = 3

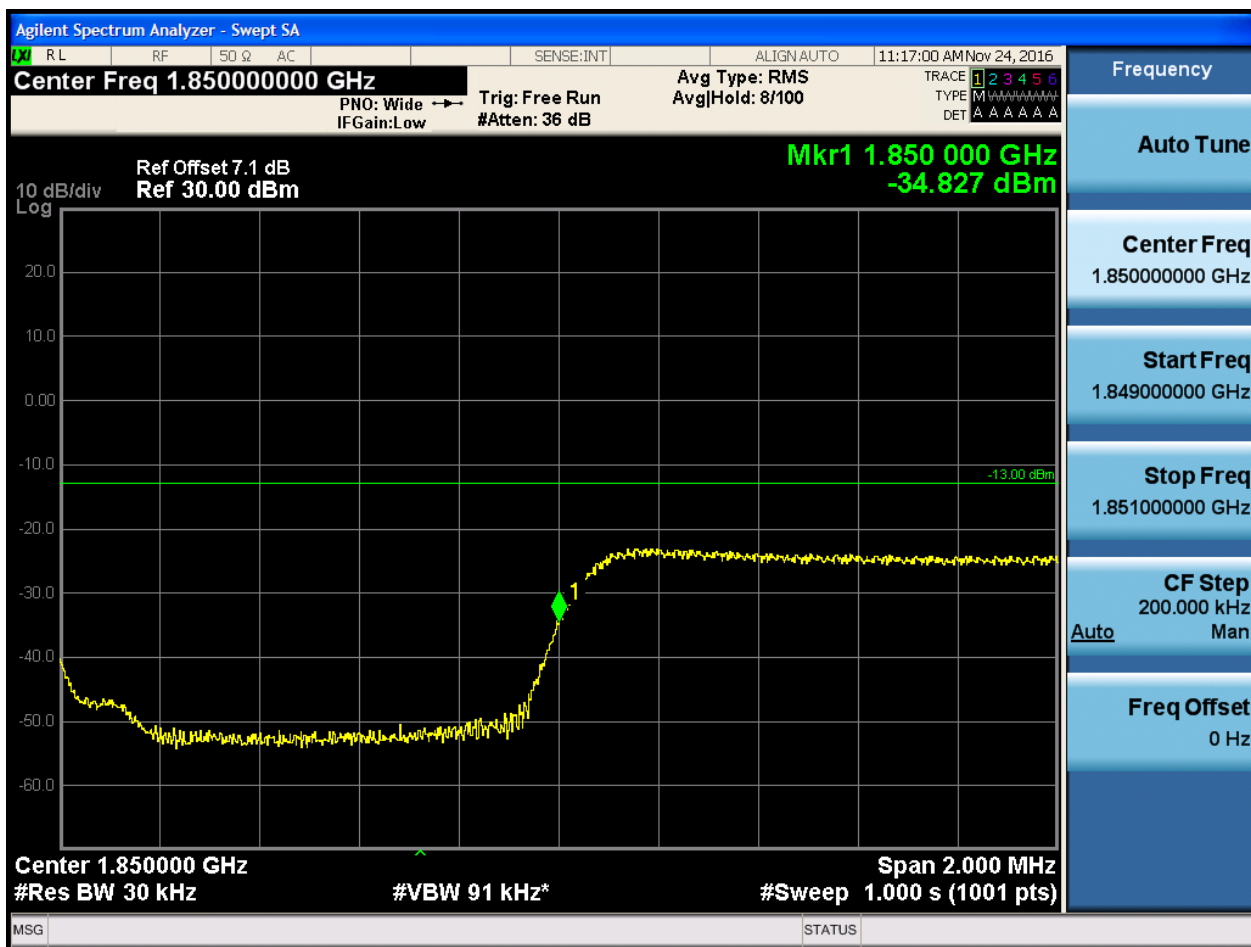
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



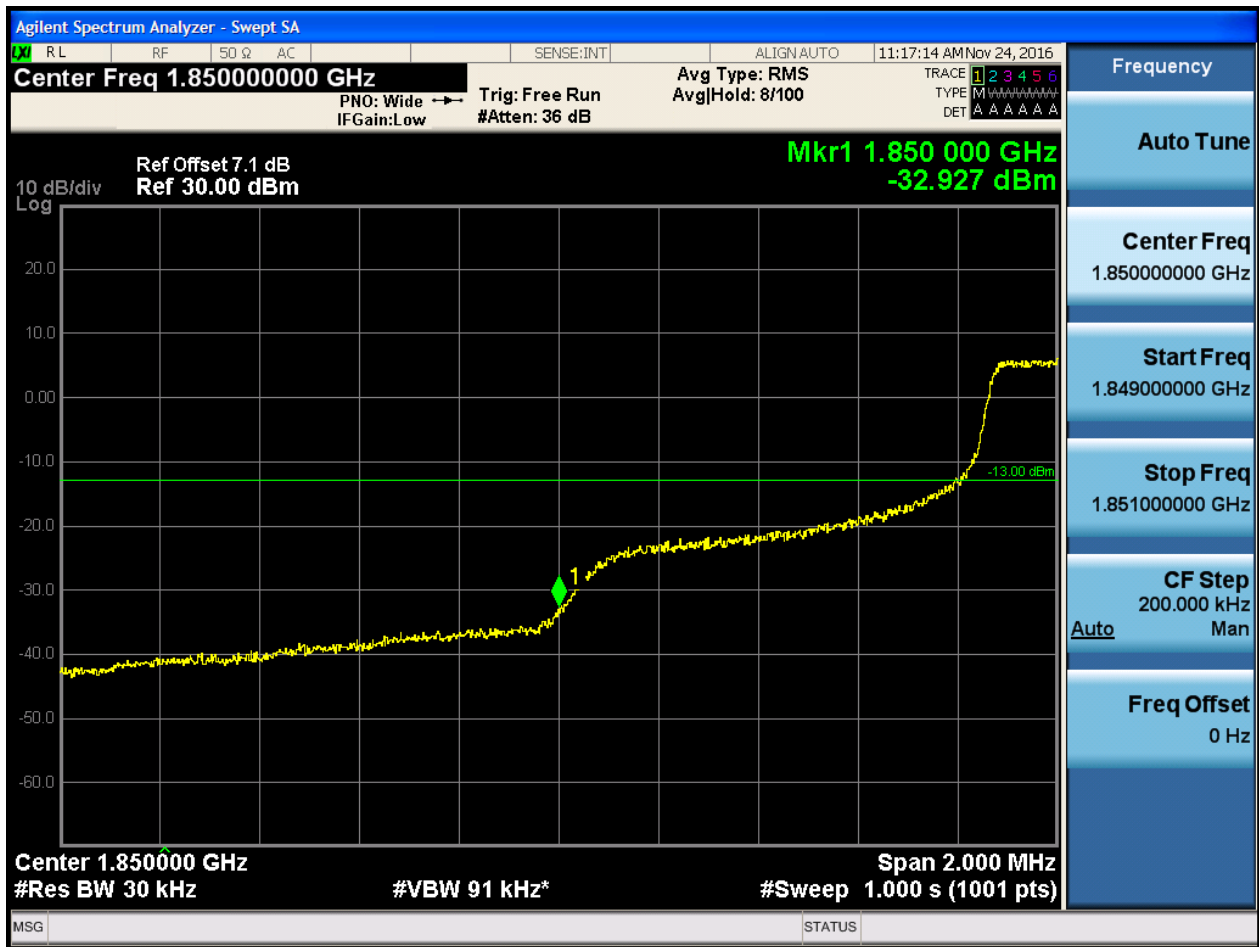


5.1.1.2.2.1.2 Test RB = RB1#14





5.1.1.2.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:17:28 AM Nov 24, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-30.246 dBm

10 dB/div
Log

-13.00 dBm

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

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

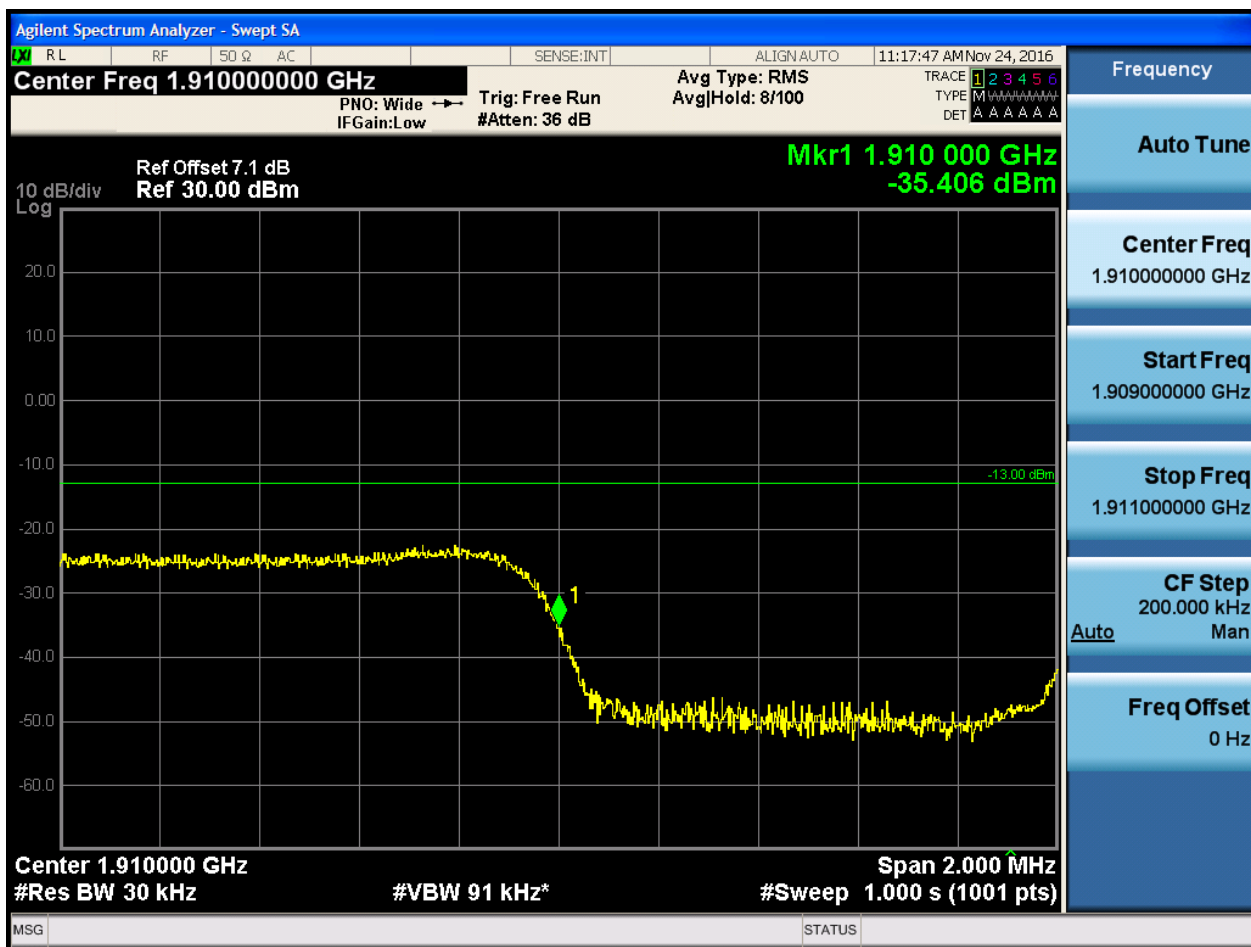
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



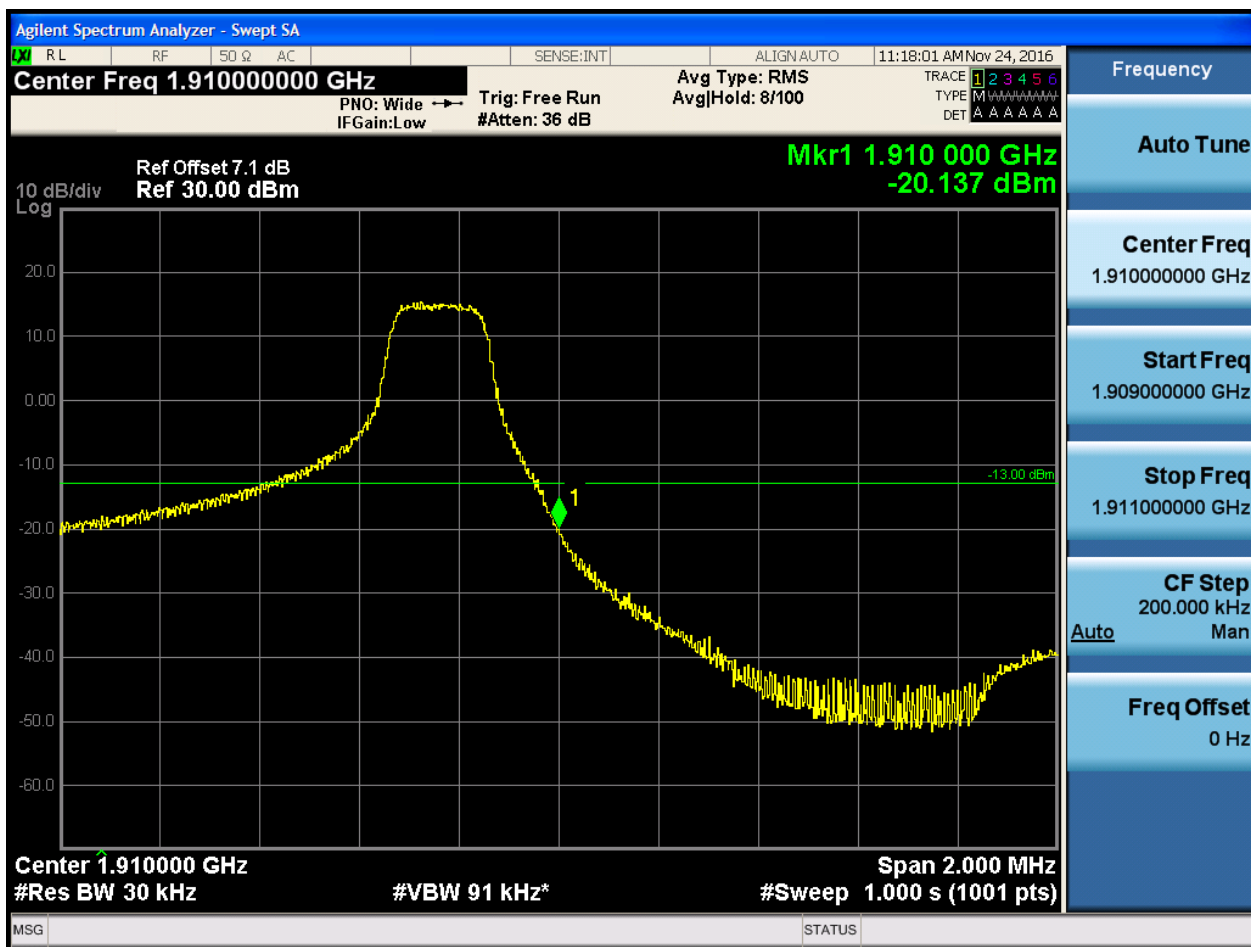
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





5.1.1.2.2.3 Test RB = RB8#4

