



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	21.9	23.60	33	PASS
				RB1#3	21.94	23.76	33	PASS
				RB1#5	21.88	23.95	33	PASS
				RB3#0	21.77	23.51	33	PASS
				RB3#2	21.99	23.75	33	PASS
				RB3#3	21.9	23.85	33	PASS
				RB6#0	20.85	22.60	33	PASS
			MCH	RB1#0	21.87	23.60	33	PASS
				RB1#3	22.19	23.96	33	PASS
				RB1#5	22	23.99	33	PASS
				RB3#0	21.88	23.60	33	PASS
				RB3#2	21.91	23.99	33	PASS
				RB3#3	21.95	23.67	33	PASS
				RB6#0	20.84	22.79	33	PASS
			HCH	RB1#0	22.07	23.79	33	PASS
				RB1#3	22.05	24.11	33	PASS
				RB1#5	21.95	23.68	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#0	22	24.01	33	PASS
				RB3#2	22.07	23.88	33	PASS
				RB3#3	22.01	23.92	33	PASS
				RB6#0	20.98	23.03	33	PASS
		3	LCH	RB1#0	21.86	23.87	33	PASS
				RB1#7	22.35	24.18	33	PASS
				RB1#14	22.06	24.14	33	PASS
				RB8#0	20.79	22.58	33	PASS
				RB8#4	20.95	22.82	33	PASS
				RB8#7	20.91	22.96	33	PASS
				RB15#0	20.73	22.51	33	PASS
			MCH	RB1#0	22.05	24.13	33	PASS
				RB1#7	22.1	24.08	33	PASS
				RB1#14	22.02	23.72	33	PASS
				RB8#0	20.83	22.70	33	PASS
				RB8#4	20.86	22.82	33	PASS
				RB8#7	20.83	22.82	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB15#0	20.87	22.87	33	PASS
				RB1#0	22.17	23.97	33	PASS
				RB1#7	22.14	23.96	33	PASS
				RB1#14	22.11	23.82	33	PASS
				RB8#0	20.96	22.77	33	PASS
				RB8#4	20.86	22.58	33	PASS
				RB8#7	20.9	22.88	33	PASS
				RB15#0	21	23.05	33	PASS
		5	LCH	RB1#0	21.85	23.78	33	PASS
				RB1#13	21.98	24.08	33	PASS
				RB1#24	22.1	24.04	33	PASS
				RB12#0	20.82	22.91	33	PASS
				RB12#6	20.89	22.75	33	PASS
				RB12#13	20.86	22.57	33	PASS
				RB25#0	20.84	22.73	33	PASS
			MCH	RB1#0	21.96	23.90	33	PASS
				RB1#13	22.07	23.94	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	22.12	23.99	33	PASS
				RB12#0	20.9	23.00	33	PASS
				RB12#6	20.86	22.92	33	PASS
				RB12#13	20.8	22.83	33	PASS
				RB25#0	20.8	22.71	33	PASS
			HCH	RB1#0	22.15	23.93	33	PASS
				RB1#13	22.25	24.10	33	PASS
				RB1#24	21.86	23.87	33	PASS
				RB12#0	21.03	23.09	33	PASS
				RB12#6	21.01	23.09	33	PASS
				RB12#13	20.92	22.69	33	PASS
				RB25#0	21.07	23.14	33	PASS
		10	LCH	RB1#0	22.23	24.00	33	PASS
				RB1#25	22.18	24.15	33	PASS
				RB1#49	21.98	23.76	33	PASS
				RB25#0	20.86	22.59	33	PASS
				RB25#13	20.85	22.63	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.78	22.58	33	PASS
				RB50#0	20.87	22.84	33	PASS
			MCH	RB1#0	22.07	23.92	33	PASS
				RB1#25	22.13	24.11	33	PASS
				RB1#49	22.22	24.06	33	PASS
				RB25#0	20.91	22.80	33	PASS
				RB25#13	20.85	22.79	33	PASS
				RB25#25	20.88	22.89	33	PASS
				RB50#0	20.9	22.95	33	PASS
			HCH	RB1#0	22.29	24.00	33	PASS
				RB1#25	22.53	24.25	33	PASS
				RB1#49	22.36	24.39	33	PASS
				RB25#0	21.05	23.02	33	PASS
				RB25#13	21.01	23.10	33	PASS
				RB25#25	21.02	23.05	33	PASS
				RB50#0	20.94	22.84	33	PASS
		15	LCH	RB1#0	22.21	24.08	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	21.97	24.04	33	PASS
				RB1#74	21.83	23.70	33	PASS
				RB38#0	20.92	22.62	33	PASS
				RB38#19	20.75	22.67	33	PASS
				RB38#39	20.69	22.78	33	PASS
				RB75#0	20.75	22.61	33	PASS
			MCH	RB1#0	22.33	24.39	33	PASS
				RB1#38	22.12	23.96	33	PASS
				RB1#74	22.27	24.08	33	PASS
				RB38#0	20.99	22.85	33	PASS
				RB38#19	20.86	22.58	33	PASS
				RB38#39	20.87	22.58	33	PASS
				RB75#0	20.82	22.85	33	PASS
			HCH	RB1#0	22.37	24.09	33	PASS
				RB1#38	22.3	24.12	33	PASS
				RB1#74	22.22	24.28	33	PASS
				RB38#0	21.02	22.80	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#19	21.08	23.11	33	PASS
				RB38#39	20.98	22.73	33	PASS
				RB75#0	20.99	23.01	33	PASS
		20	LCH	RB1#0	21.97	23.71	33	PASS
				RB1#50	22.13	23.88	33	PASS
				RB1#99	21.78	23.74	33	PASS
				RB50#0	20.92	22.71	33	PASS
				RB50#25	20.74	22.77	33	PASS
				RB50#50	20.69	22.54	33	PASS
				RB100#0	20.77	22.57	33	PASS
			MCH	RB1#0	21.94	23.87	33	PASS
				RB1#50	22.11	24.13	33	PASS
				RB1#99	21.93	23.67	33	PASS
				RB50#0	20.87	22.82	33	PASS
				RB50#25	20.94	22.96	33	PASS
				RB50#50	20.86	22.87	33	PASS
				RB100#0	20.86	22.95	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.16	23.86	33	PASS
				RB1#50	22.25	24.12	33	PASS
				RB1#99	22.07	23.85	33	PASS
				RB50#0	21.13	22.99	33	PASS
				RB50#25	21.06	23.12	33	PASS
				RB50#50	20.99	22.87	33	PASS
				RB100#0	21.05	22.93	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.17	22.90	33	PASS
				RB1#3	21.33	23.19	33	PASS
				RB1#5	21.26	23.24	33	PASS
				RB3#0	20.86	22.57	33	PASS
				RB3#2	20.88	22.78	33	PASS
				RB3#3	20.8	22.65	33	PASS
				RB6#0	19.62	21.48	33	PASS
			MCH	RB1#0	21.17	23.21	33	PASS
				RB1#3	21.31	23.23	33	PASS
				RB1#5	21.23	23.28	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#0	21.22	23.26	33	PASS
				RB3#2	21.23	23.17	33	PASS
				RB3#3	21.18	23.13	33	PASS
				RB6#0	19.84	21.86	33	PASS
			HCH	RB1#0	21.34	23.38	33	PASS
				RB1#3	21.36	23.33	33	PASS
				RB1#5	21.26	23.21	33	PASS
				RB3#0	21.18	23.18	33	PASS
				RB3#2	20.95	22.88	33	PASS
				RB3#3	20.68	22.66	33	PASS
				RB6#0	19.82	21.79	33	PASS
		3	LCH	RB1#0	21.1	23.02	33	PASS
				RB1#7	21.24	23.32	33	PASS
				RB1#14	20.66	22.42	33	PASS
				RB8#0	19.56	21.55	33	PASS
				RB8#4	19.67	21.52	33	PASS
				RB8#7	19.63	21.63	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	19.68	21.71	33	PASS
			MCH	RB1#0	21.16	23.16	33	PASS
				RB1#7	21.26	23.17	33	PASS
				RB1#14	20.96	22.71	33	PASS
				RB8#0	19.71	21.56	33	PASS
				RB8#4	19.8	21.89	33	PASS
				RB8#7	19.89	21.61	33	PASS
				RB15#0	20.03	21.81	33	PASS
			HCH	RB1#0	20.83	22.71	33	PASS
				RB1#7	20.91	22.67	33	PASS
				RB1#14	20.84	22.63	33	PASS
				RB8#0	19.92	21.96	33	PASS
				RB8#4	19.84	21.74	33	PASS
				RB8#7	19.84	21.59	33	PASS
				RB15#0	19.87	21.92	33	PASS
		5	LCH	RB1#0	20.74	22.47	33	PASS
				RB1#13	20.48	22.25	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	20.67	22.64	33	PASS
				RB12#0	19.49	21.20	33	PASS
				RB12#6	19.56	21.30	33	PASS
				RB12#13	19.51	21.33	33	PASS
				RB25#0	19.66	21.47	33	PASS
			MCH	RB1#0	20.83	22.77	33	PASS
				RB1#13	20.96	22.84	33	PASS
				RB1#24	20.93	22.83	33	PASS
				RB12#0	19.53	21.39	33	PASS
				RB12#6	19.64	21.49	33	PASS
				RB12#13	20.02	21.89	33	PASS
				RB25#0	19.93	21.93	33	PASS
			HCH	RB1#0	21	22.91	33	PASS
				RB1#13	20.66	22.57	33	PASS
				RB1#24	20.56	22.36	33	PASS
				RB12#0	19.74	21.69	33	PASS
				RB12#6	19.74	21.79	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	19.76	21.47	33	PASS
				RB25#0	20.01	21.91	33	PASS
		10	LCH	RB1#0	21.24	22.97	33	PASS
				RB1#25	21.34	23.13	33	PASS
				RB1#49	21.03	22.98	33	PASS
				RB25#0	19.8	21.84	33	PASS
				RB25#13	19.9	21.61	33	PASS
				RB25#25	19.77	21.84	33	PASS
				RB50#0	19.73	21.70	33	PASS
			MCH	RB1#0	21.21	23.26	33	PASS
				RB1#25	21.26	23.04	33	PASS
				RB1#49	21.11	22.81	33	PASS
				RB25#0	19.85	21.63	33	PASS
				RB25#13	19.8	21.80	33	PASS
				RB25#25	19.87	21.70	33	PASS
				RB50#0	19.84	21.59	33	PASS
			HCH	RB1#0	21.26	22.99	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.44	23.18	33	PASS
				RB1#49	21.27	23.14	33	PASS
				RB25#0	19.91	21.81	33	PASS
				RB25#13	20.09	22.02	33	PASS
				RB25#25	20.19	22.15	33	PASS
				RB50#0	20.02	21.72	33	PASS
		15	LCH	RB1#0	21.18	23.16	33	PASS
				RB1#38	20.99	23.00	33	PASS
				RB1#74	20.94	22.86	33	PASS
				RB38#0	19.95	21.68	33	PASS
				RB38#19	19.72	21.46	33	PASS
				RB38#39	19.66	21.73	33	PASS
				RB75#0	19.71	21.76	33	PASS
			MCH	RB1#0	21.2	23.23	33	PASS
				RB1#38	21.14	22.86	33	PASS
				RB1#74	21.15	23.01	33	PASS
				RB38#0	19.99	21.87	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#19	20.07	21.91	33	PASS
				RB38#39	19.99	22.04	33	PASS
				RB75#0	19.89	21.86	33	PASS
			HCH	RB1#0	21.43	23.19	33	PASS
				RB1#38	21.21	23.14	33	PASS
				RB1#74	21.17	22.95	33	PASS
				RB38#0	20.23	22.02	33	PASS
				RB38#19	20.18	21.95	33	PASS
				RB38#39	20.09	22.11	33	PASS
				RB75#0	20.11	22.17	33	PASS
		20	LCH	RB1#0	21.31	23.19	33	PASS
				RB1#50	21.17	23.18	33	PASS
				RB1#99	20.84	22.61	33	PASS
				RB50#0	19.86	21.95	33	PASS
				RB50#25	19.69	21.52	33	PASS
				RB50#50	19.57	21.48	33	PASS
				RB100#0	19.68	21.76	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	20.97	22.81	33	PASS
				RB1#50	21.53	23.32	33	PASS
				RB1#99	21.22	23.15	33	PASS
				RB50#0	19.79	21.69	33	PASS
				RB50#25	19.97	21.90	33	PASS
				RB50#50	20.01	21.94	33	PASS
				RB100#0	19.91	21.91	33	PASS
			HCH	RB1#0	21.5	23.31	33	PASS
				RB1#50	21.65	23.55	33	PASS
				RB1#99	21.56	23.38	33	PASS
				RB50#0	20.24	22.25	33	PASS
				RB50#25	20.27	22.28	33	PASS
				RB50#50	20.19	21.96	33	PASS
				RB100#0	20.09	21.97	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: $RBW > \text{emission bandwidth}$, $VBW > 3 \times RBW$.

Detector: RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	3.95	13	PASS
				RB1#3	3.76	13	PASS
				RB1#5	3.85	13	PASS
				RB3#0	4.24	13	PASS
				RB3#2	4.1	13	PASS
				RB3#3	4.23	13	PASS
				RB6#0	5.37	13	PASS
			MCH	RB1#0	4.16	13	PASS
				RB1#3	4.04	13	PASS
				RB1#5	4.18	13	PASS
				RB3#0	4.45	13	PASS
				RB3#2	4.37	13	PASS
				RB3#3	4.46	13	PASS
				RB6#0	5.36	13	PASS
			HCH	RB1#0	3.81	13	PASS
				RB1#3	3.59	13	PASS
				RB1#5	3.76	13	PASS
				RB3#0	4.25	13	PASS
				RB3#2	4.1	13	PASS
				RB3#3	4.23	13	PASS
				RB6#0	5.45	13	PASS
		3	LCH	RB1#0	3.87	13	PASS
				RB1#7	3.84	13	PASS
				RB1#14	3.85	13	PASS
				RB8#0	4.76	13	PASS
				RB8#4	4.68	13	PASS
				RB8#7	4.85	13	PASS
				RB15#0	5.07	13	PASS
			MCH	RB1#0	4.24	13	PASS
				RB1#7	4.14	13	PASS
				RB1#14	4.15	13	PASS
				RB8#0	4.86	13	PASS
				RB8#4	4.73	13	PASS
				RB8#7	4.83	13	PASS
				RB15#0	5.26	13	PASS
			HCH	RB1#0	3.87	13	PASS
				RB1#7	3.8	13	PASS
				RB1#14	3.76	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	4.74	13	PASS
				RB8#4	4.6	13	PASS
				RB8#7	4.72	13	PASS
				RB15#0	4.97	13	PASS
		5	LCH	RB1#0	3.98	13	PASS
				RB1#13	3.84	13	PASS
				RB1#24	3.75	13	PASS
				RB12#0	4.61	13	PASS
				RB12#6	4.5	13	PASS
				RB12#13	4.65	13	PASS
				RB25#0	5.03	13	PASS
			MCH	RB1#0	4.2	13	PASS
				RB1#13	4.04	13	PASS
				RB1#24	4.13	13	PASS
				RB12#0	4.74	13	PASS
				RB12#6	4.63	13	PASS
				RB12#13	4.82	13	PASS
				RB25#0	5.15	13	PASS
			HCH	RB1#0	4.1	13	PASS
				RB1#13	3.95	13	PASS
				RB1#24	3.86	13	PASS
				RB12#0	4.69	13	PASS
				RB12#6	4.54	13	PASS
				RB12#13	4.67	13	PASS
				RB25#0	5.05	13	PASS
		10	LCH	RB1#0	3.79	13	PASS
				RB1#25	3.63	13	PASS
				RB1#49	3.94	13	PASS
				RB25#0	4.61	13	PASS
				RB25#13	4.51	13	PASS
				RB25#25	4.77	13	PASS
				RB50#0	5.68	13	PASS
			MCH	RB1#0	4.29	13	PASS
				RB1#25	3.95	13	PASS
				RB1#49	3.99	13	PASS
				RB25#0	4.76	13	PASS
				RB25#13	4.76	13	PASS
				RB25#25	4.85	13	PASS
				RB50#0	5.33	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	3.9	13	PASS
				RB1#25	3.7	13	PASS
				RB1#49	3.72	13	PASS
				RB25#0	4.71	13	PASS
				RB25#13	4.6	13	PASS
				RB25#25	4.69	13	PASS
				RB50#0	5.85	13	PASS
		15	LCH	RB1#0	3.78	13	PASS
				RB1#38	3.9	13	PASS
				RB1#74	4.27	13	PASS
				RB38#0	4.57	13	PASS
				RB38#19	4.57	13	PASS
				RB38#39	4.75	13	PASS
				RB75#0	5.48	13	PASS
			MCH	RB1#0	4.29	13	PASS
				RB1#38	4.02	13	PASS
				RB1#74	3.94	13	PASS
				RB38#0	4.84	13	PASS
				RB38#19	4.67	13	PASS
				RB38#39	4.93	13	PASS
				RB75#0	5.68	13	PASS
			HCH	RB1#0	3.73	13	PASS
				RB1#38	3.85	13	PASS
				RB1#74	3.69	13	PASS
				RB38#0	4.75	13	PASS
				RB38#19	4.63	13	PASS
				RB38#39	4.75	13	PASS
				RB75#0	5.62	13	PASS
		20	LCH	RB1#0	4.04	13	PASS
				RB1#50	4.12	13	PASS
				RB1#99	4.41	13	PASS
				RB50#0	4.64	13	PASS
				RB50#25	4.64	13	PASS
				RB50#50	4.83	13	PASS
				RB100#0	5.65	13	PASS
			MCH	RB1#0	4.39	13	PASS
				RB1#50	4.2	13	PASS
				RB1#99	4.21	13	PASS
				RB50#0	4.85	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	4.72	13	PASS
				RB50#50	4.9	13	PASS
				RB100#0	5.28	13	PASS
			HCH	RB1#0	3.94	13	PASS
				RB1#50	3.97	13	PASS
				RB1#99	3.9	13	PASS
				RB50#0	4.78	13	PASS
				RB50#25	4.66	13	PASS
				RB50#50	4.81	13	PASS
				RB100#0	5.39	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.11	13	PASS
				RB1#3	4.87	13	PASS
				RB1#5	4.94	13	PASS
				RB3#0	5.38	13	PASS
				RB3#2	5.24	13	PASS
				RB3#3	5.45	13	PASS
				RB6#0	5.75	13	PASS
			MCH	RB1#0	5.12	13	PASS
				RB1#3	5.08	13	PASS
				RB1#5	5.21	13	PASS
				RB3#0	5.57	13	PASS
				RB3#2	5.45	13	PASS
				RB3#3	5.65	13	PASS
				RB6#0	6.04	13	PASS
			HCH	RB1#0	4.62	13	PASS
				RB1#3	4.46	13	PASS
				RB1#5	4.78	13	PASS
				RB3#0	5.33	13	PASS
				RB3#2	5.2	13	PASS
				RB3#3	5.33	13	PASS
				RB6#0	5.98	13	PASS
		3	LCH	RB1#0	4.8	13	PASS
				RB1#7	4.55	13	PASS
				RB1#14	4.77	13	PASS
				RB8#0	5.54	13	PASS
				RB8#4	5.43	13	PASS
				RB8#7	5.51	13	PASS
				RB15#0	6.17	13	PASS
			MCH	RB1#0	5.1	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	4.95	13	PASS
				RB1#14	5.01	13	PASS
				RB8#0	5.64	13	PASS
				RB8#4	5.47	13	PASS
				RB8#7	5.66	13	PASS
				RB15#0	6.31	13	PASS
			HCH	RB1#0	4.76	13	PASS
				RB1#7	4.63	13	PASS
				RB1#14	4.83	13	PASS
				RB8#0	5.61	13	PASS
				RB8#4	5.49	13	PASS
				RB8#7	5.6	13	PASS
				RB15#0	6.3	13	PASS
		5	LCH	RB1#0	5.18	13	PASS
				RB1#13	5.12	13	PASS
				RB1#24	5.19	13	PASS
				RB12#0	5.53	13	PASS
				RB12#6	5.43	13	PASS
				RB12#13	5.66	13	PASS
				RB25#0	6.15	13	PASS
			MCH	RB1#0	5.31	13	PASS
				RB1#13	5.2	13	PASS
				RB1#24	5.27	13	PASS
				RB12#0	5.65	13	PASS
				RB12#6	5.55	13	PASS
				RB12#13	5.68	13	PASS
				RB25#0	6.12	13	PASS
			HCH	RB1#0	5.25	13	PASS
				RB1#13	5.16	13	PASS
				RB1#24	5.2	13	PASS
				RB12#0	5.63	13	PASS
				RB12#6	5.55	13	PASS
				RB12#13	5.61	13	PASS
				RB25#0	6.03	13	PASS
		10	LCH	RB1#0	4.99	13	PASS
				RB1#25	4.52	13	PASS
				RB1#49	4.8	13	PASS
				RB25#0	5.69	13	PASS
				RB25#13	5.54	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	5.76	13	PASS
				RB50#0	6.24	13	PASS
			MCH	RB1#0	5.44	13	PASS
				RB1#25	5.26	13	PASS
				RB1#49	5.23	13	PASS
				RB25#0	5.81	13	PASS
				RB25#13	5.67	13	PASS
				RB25#25	5.89	13	PASS
				RB50#0	6.6	13	PASS
			HCH	RB1#0	5.07	13	PASS
				RB1#25	5.12	13	PASS
				RB1#49	4.97	13	PASS
				RB25#0	5.81	13	PASS
				RB25#13	5.62	13	PASS
				RB25#25	5.79	13	PASS
				RB50#0	6.71	13	PASS
		15	LCH	RB1#0	5.1	13	PASS
				RB1#38	5.17	13	PASS
				RB1#74	5.39	13	PASS
				RB38#0	5.67	13	PASS
				RB38#19	5.64	13	PASS
				RB38#39	5.78	13	PASS
				RB75#0	6.32	13	PASS
			MCH	RB1#0	5.52	13	PASS
				RB1#38	5.33	13	PASS
				RB1#74	5.27	13	PASS
				RB38#0	5.82	13	PASS
				RB38#19	5.68	13	PASS
				RB38#39	5.87	13	PASS
				RB75#0	6.51	13	PASS
			HCH	RB1#0	5.35	13	PASS
				RB1#38	5.27	13	PASS
				RB1#74	5.05	13	PASS
				RB38#0	5.83	13	PASS
				RB38#19	5.65	13	PASS
				RB38#39	5.75	13	PASS
				RB75#0	6.37	13	PASS
		20	LCH	RB1#0	4.59	13	PASS
				RB1#50	4.65	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	4.85	13	PASS
				RB50#0	5.62	13	PASS
				RB50#25	5.59	13	PASS
				RB50#50	5.75	13	PASS
				RB100#0	6.42	13	PASS
			MCH	RB1#0	4.87	13	PASS
				RB1#50	4.6	13	PASS
				RB1#99	4.61	13	PASS
				RB50#0	5.74	13	PASS
				RB50#25	5.62	13	PASS
				RB50#50	5.8	13	PASS
				RB100#0	6.47	13	PASS
			HCH	RB1#0	4.77	13	PASS
				RB1#50	4.77	13	PASS
				RB1#99	4.82	13	PASS
				RB50#0	5.77	13	PASS
				RB50#25	5.68	13	PASS
				RB50#50	5.76	13	PASS
				RB100#0	6.25	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

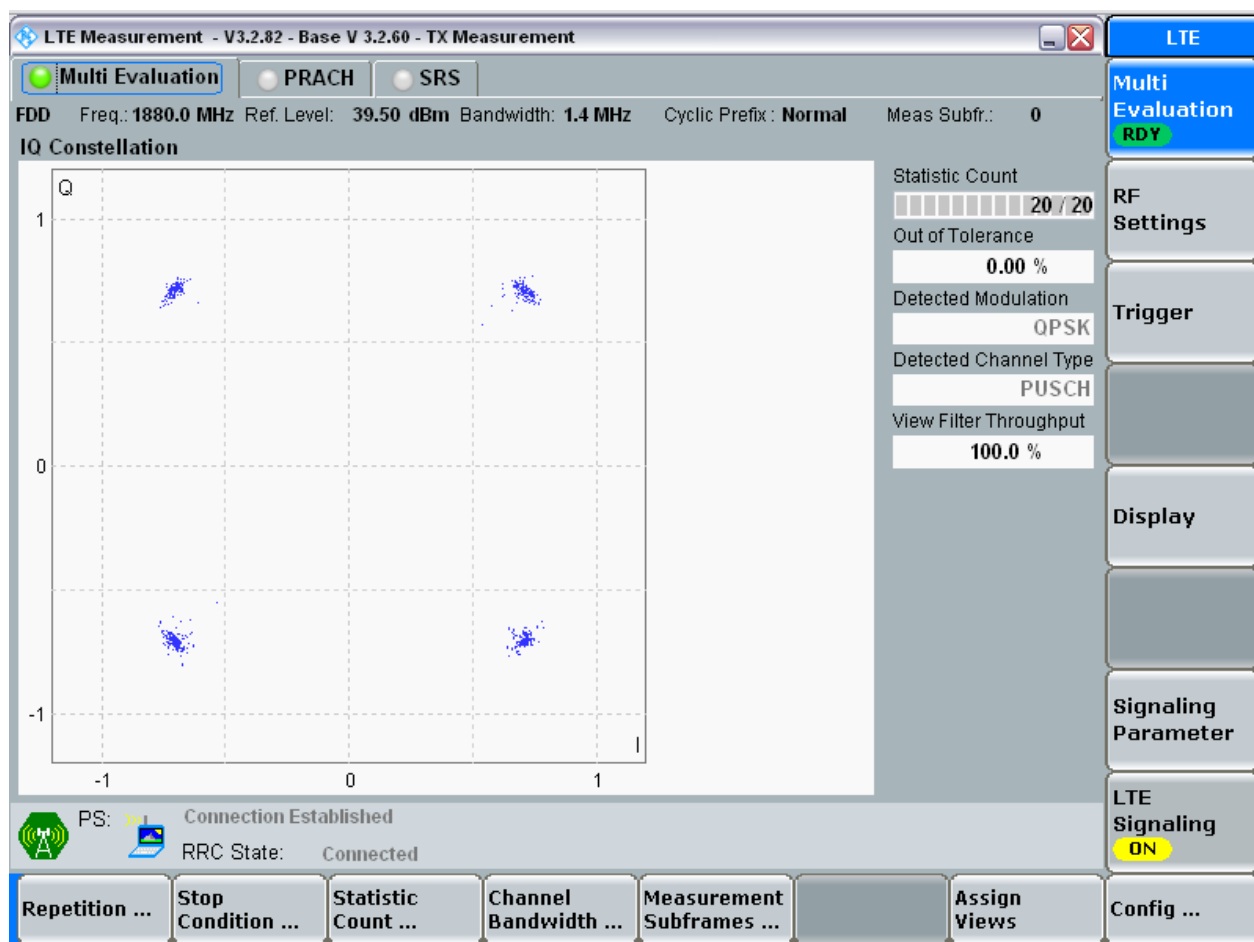
3.1.1 Test Band = BAND2

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

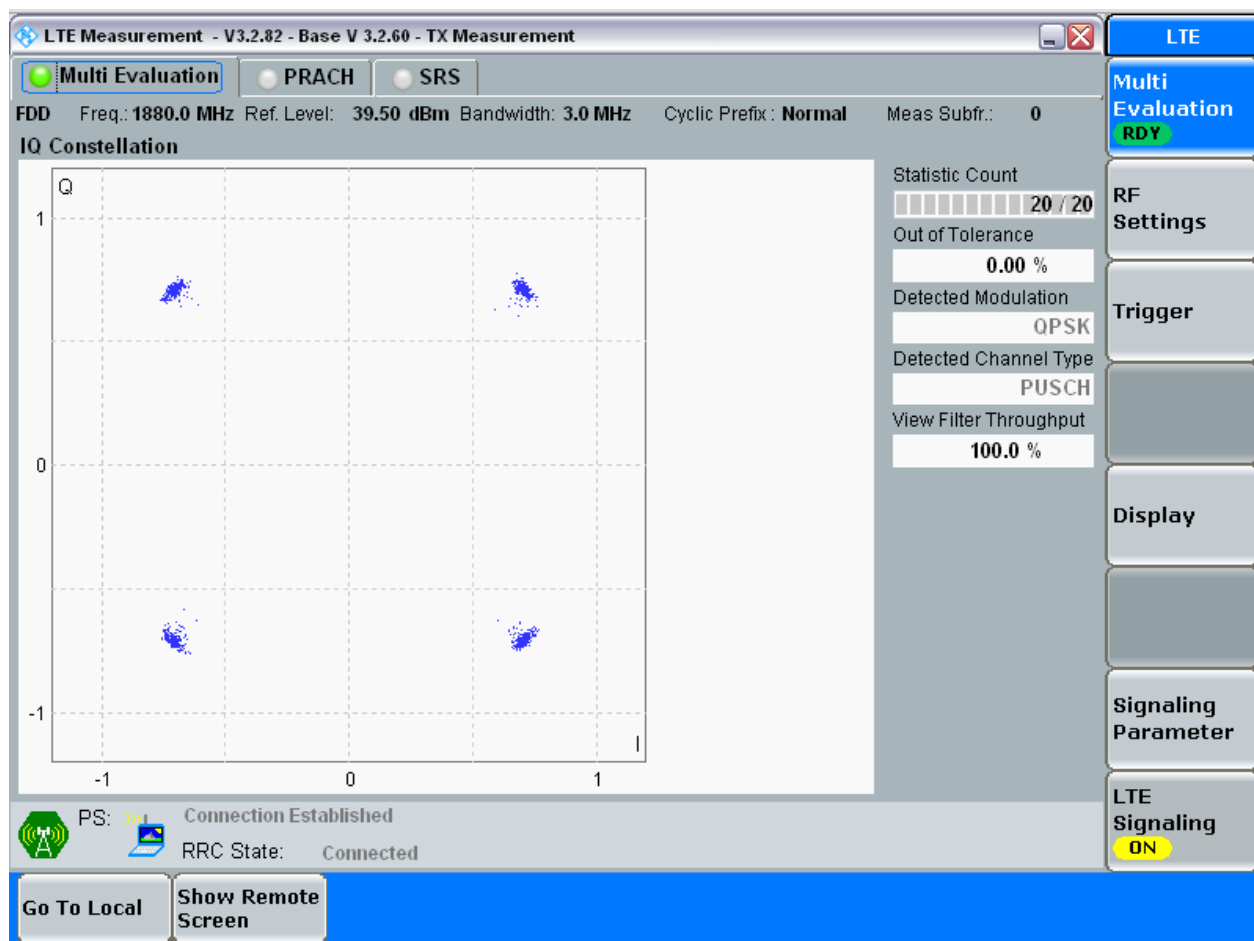
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

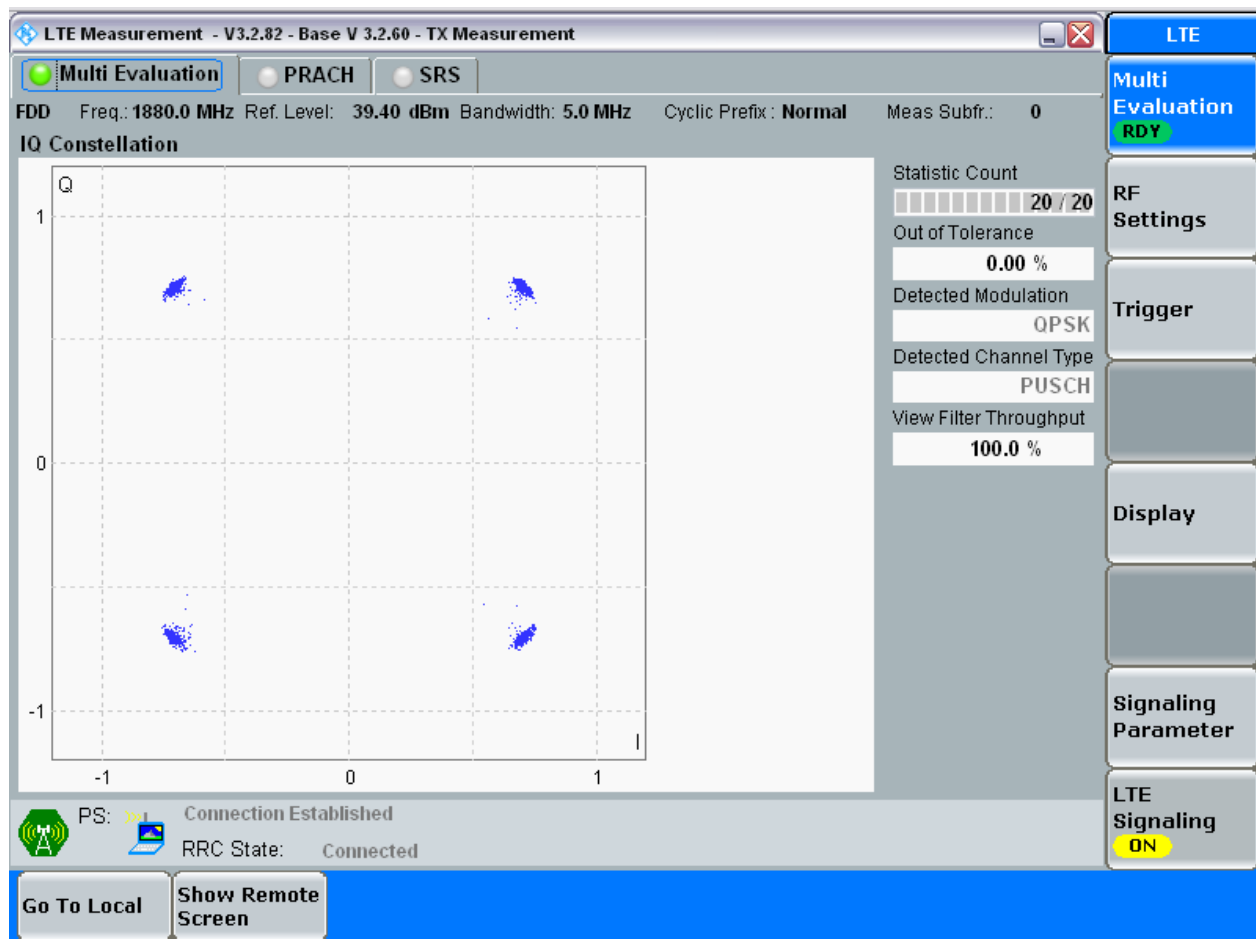
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

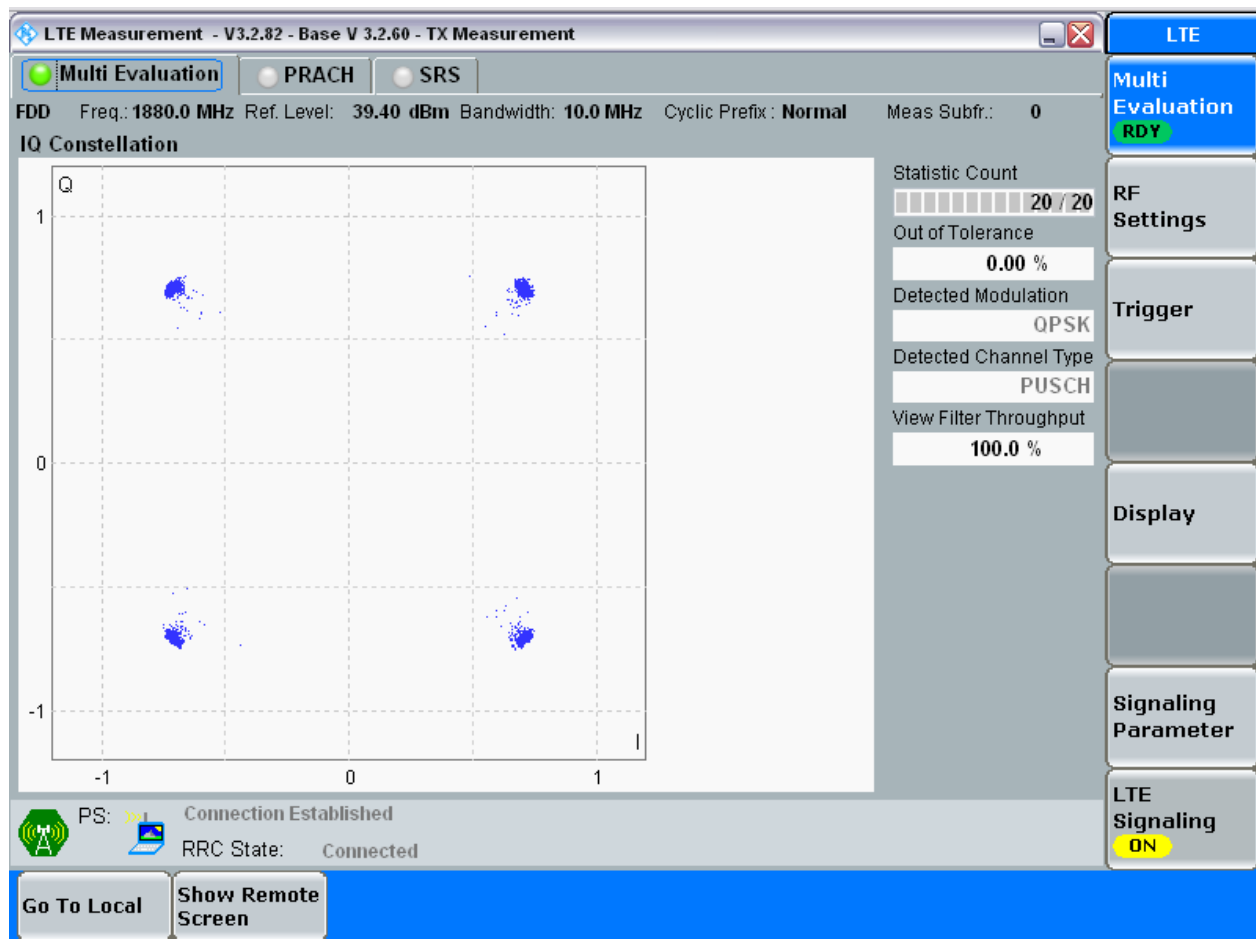
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

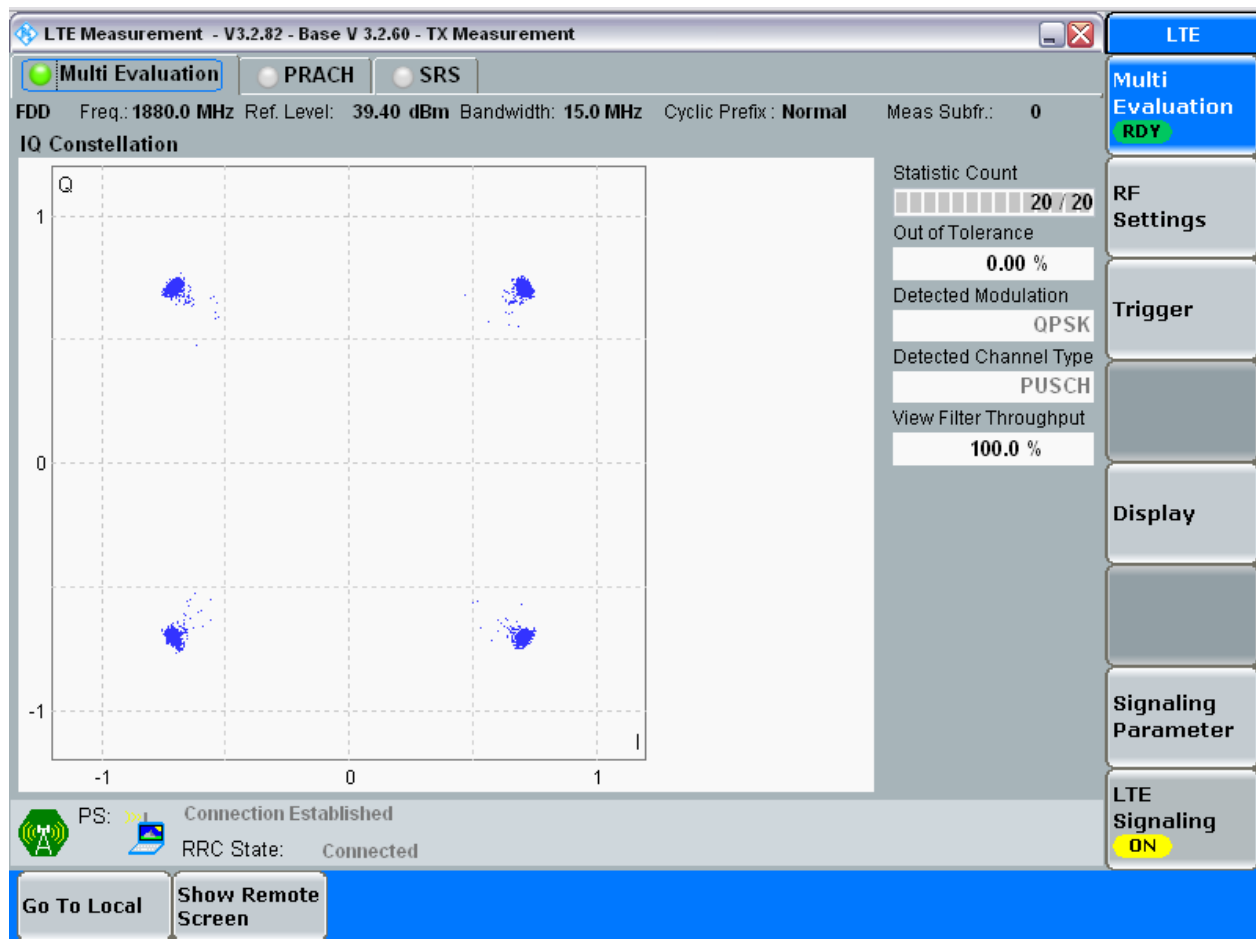
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

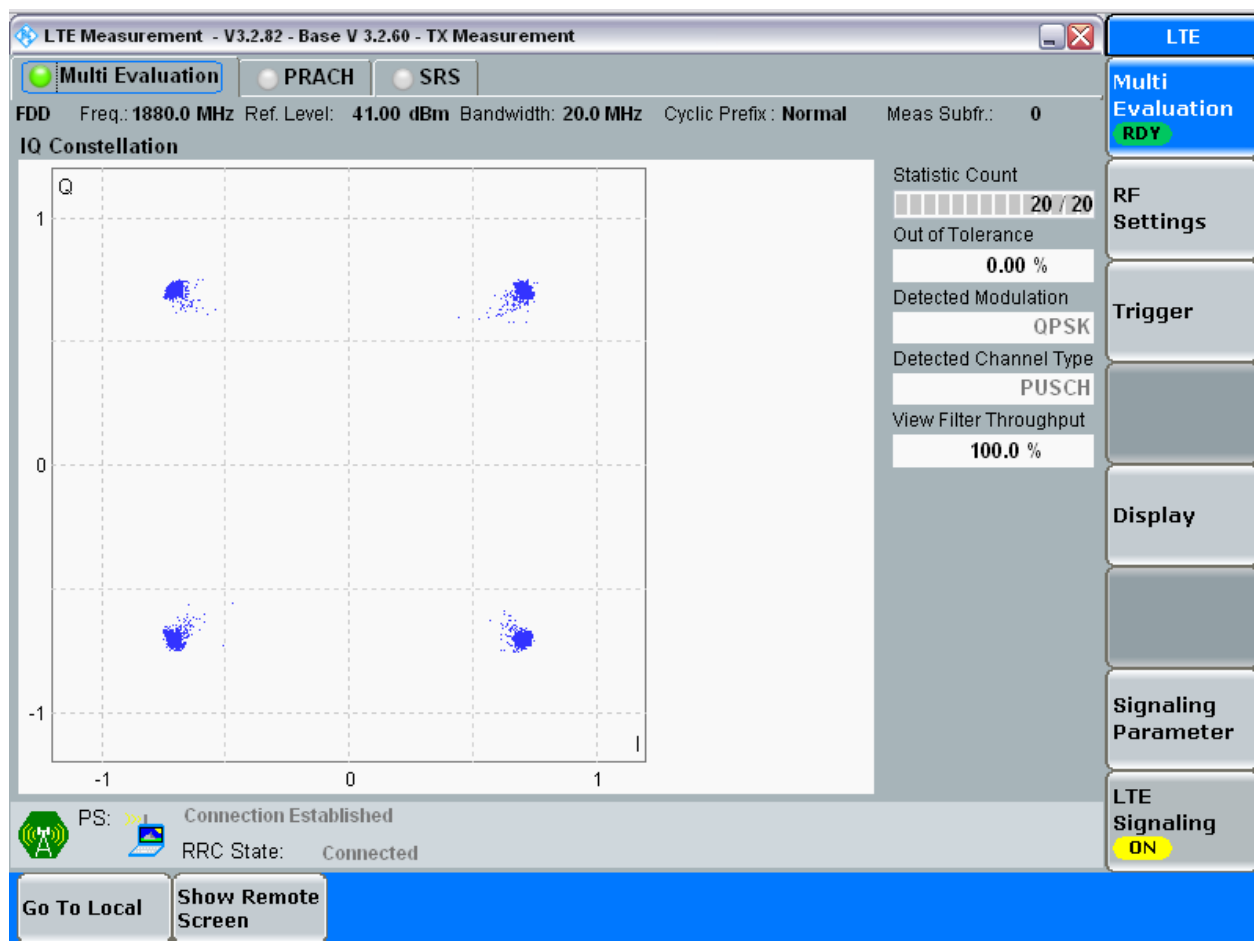
3.1.1.1.5.1.1 Test RB = RB75#0



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

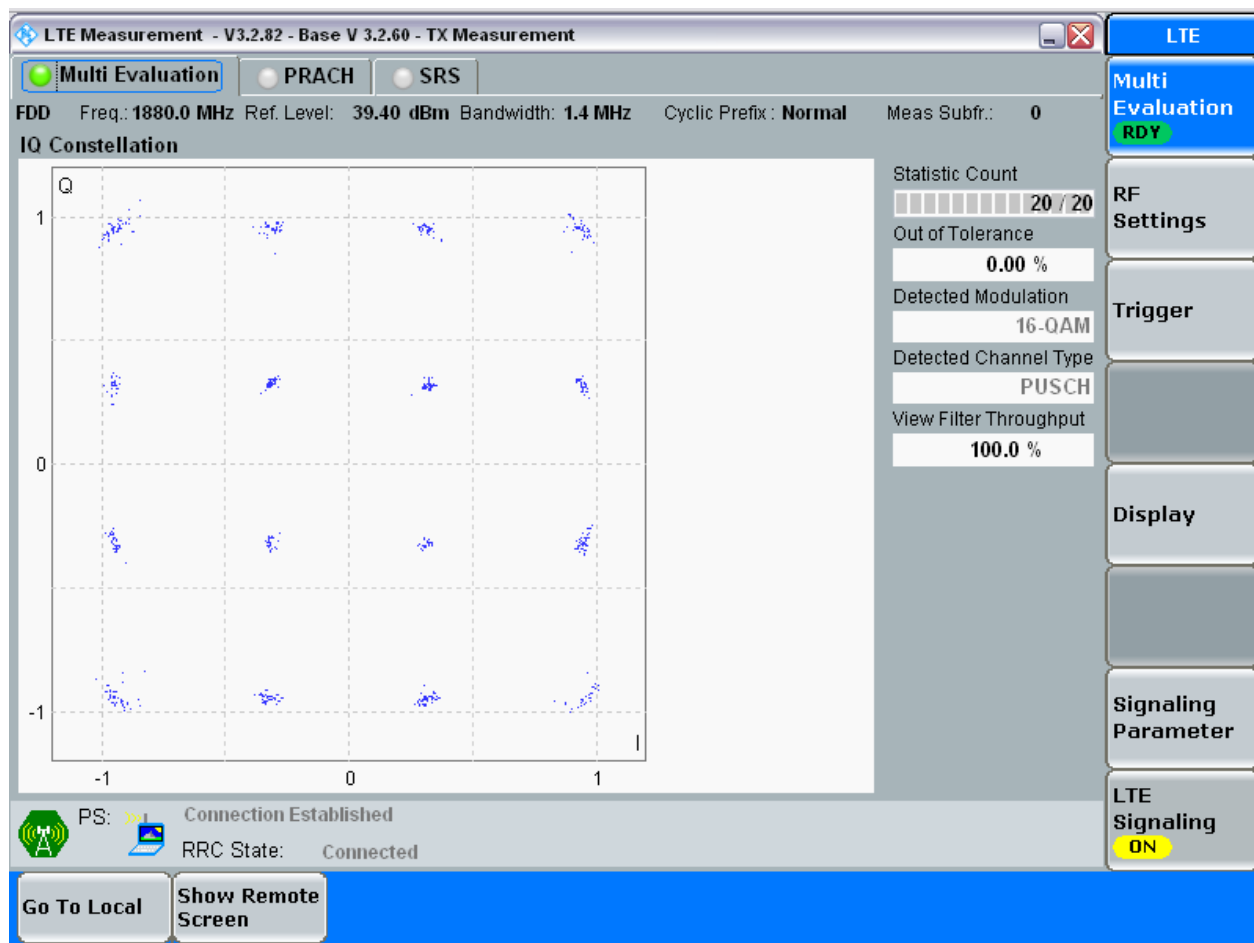


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

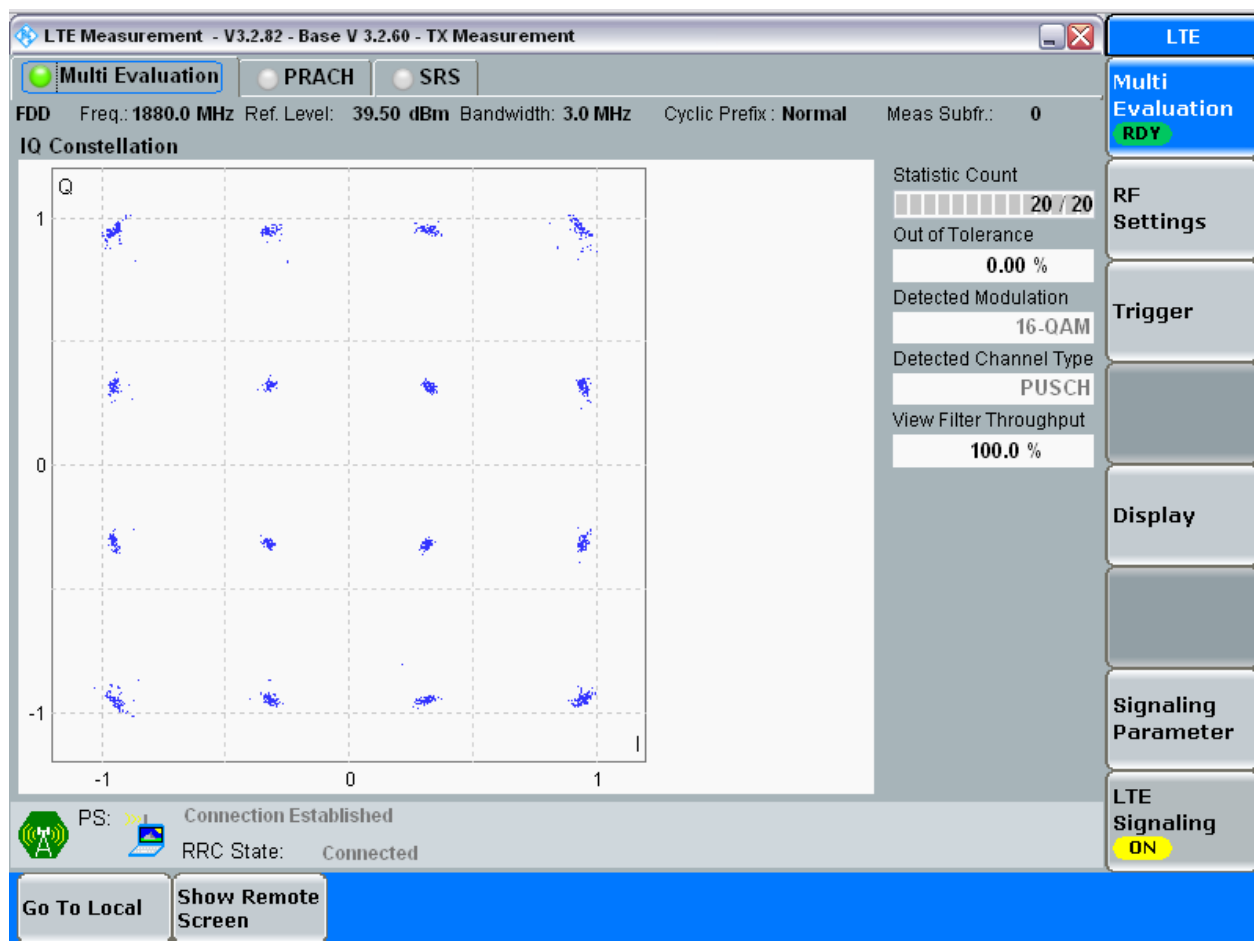
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

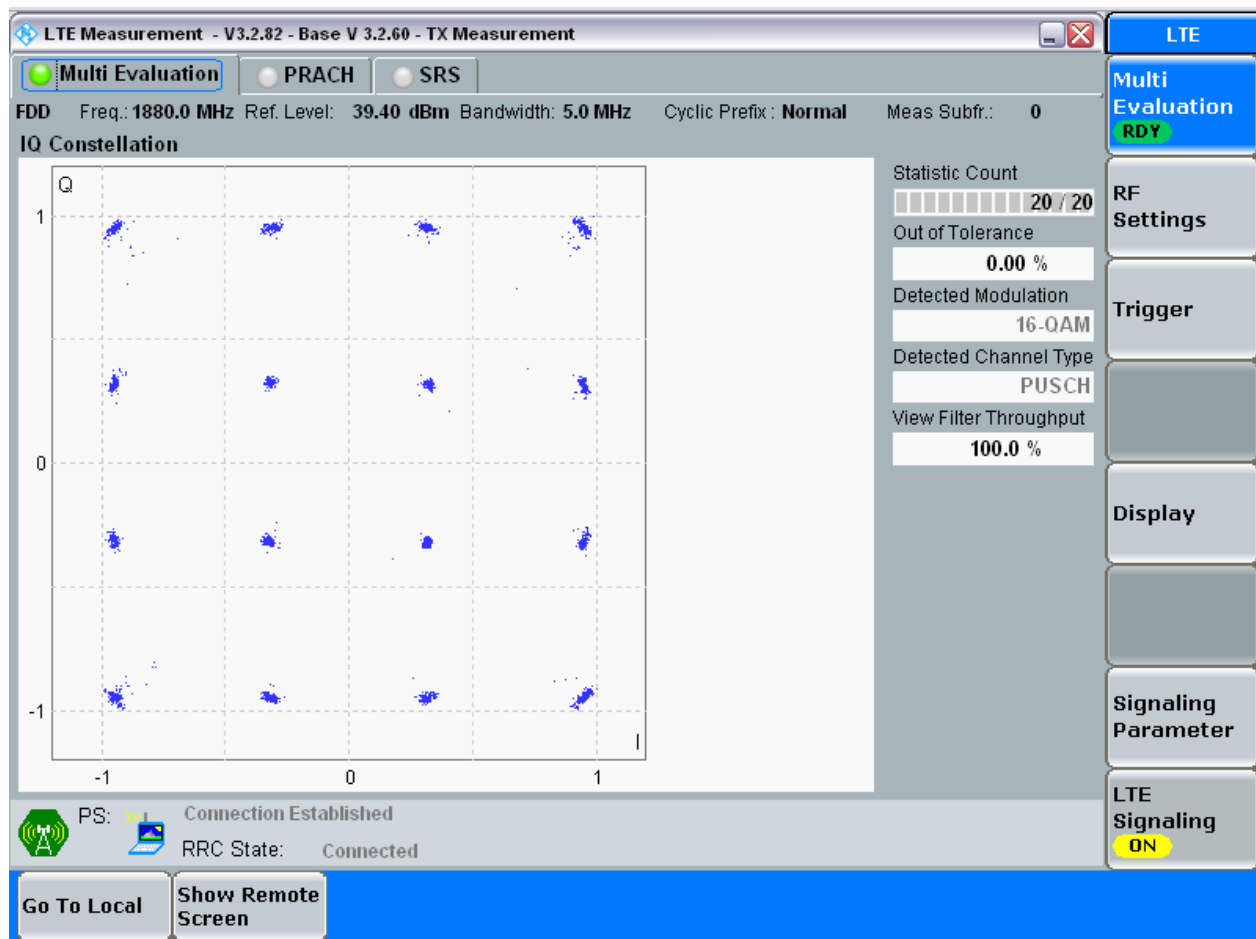
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

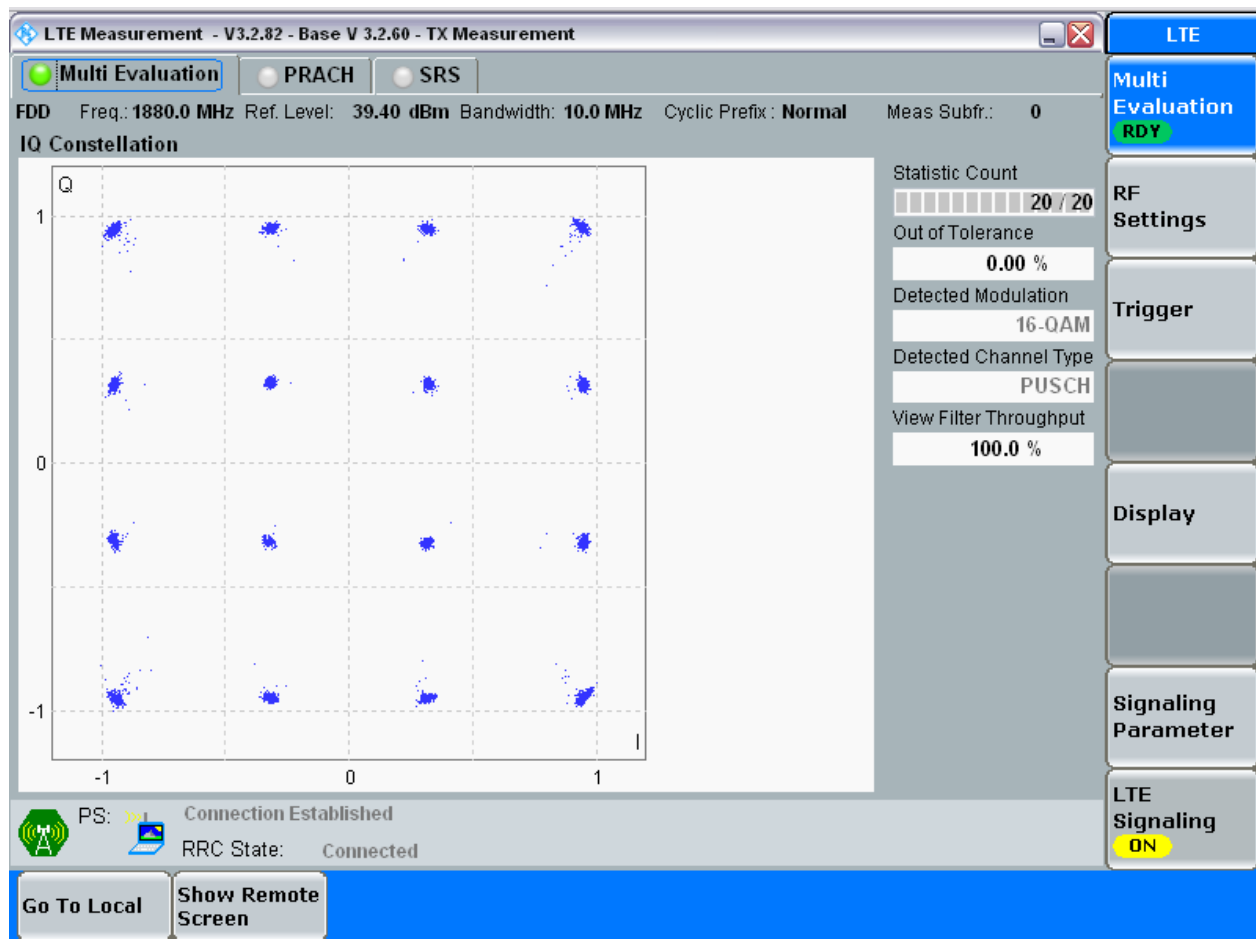
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

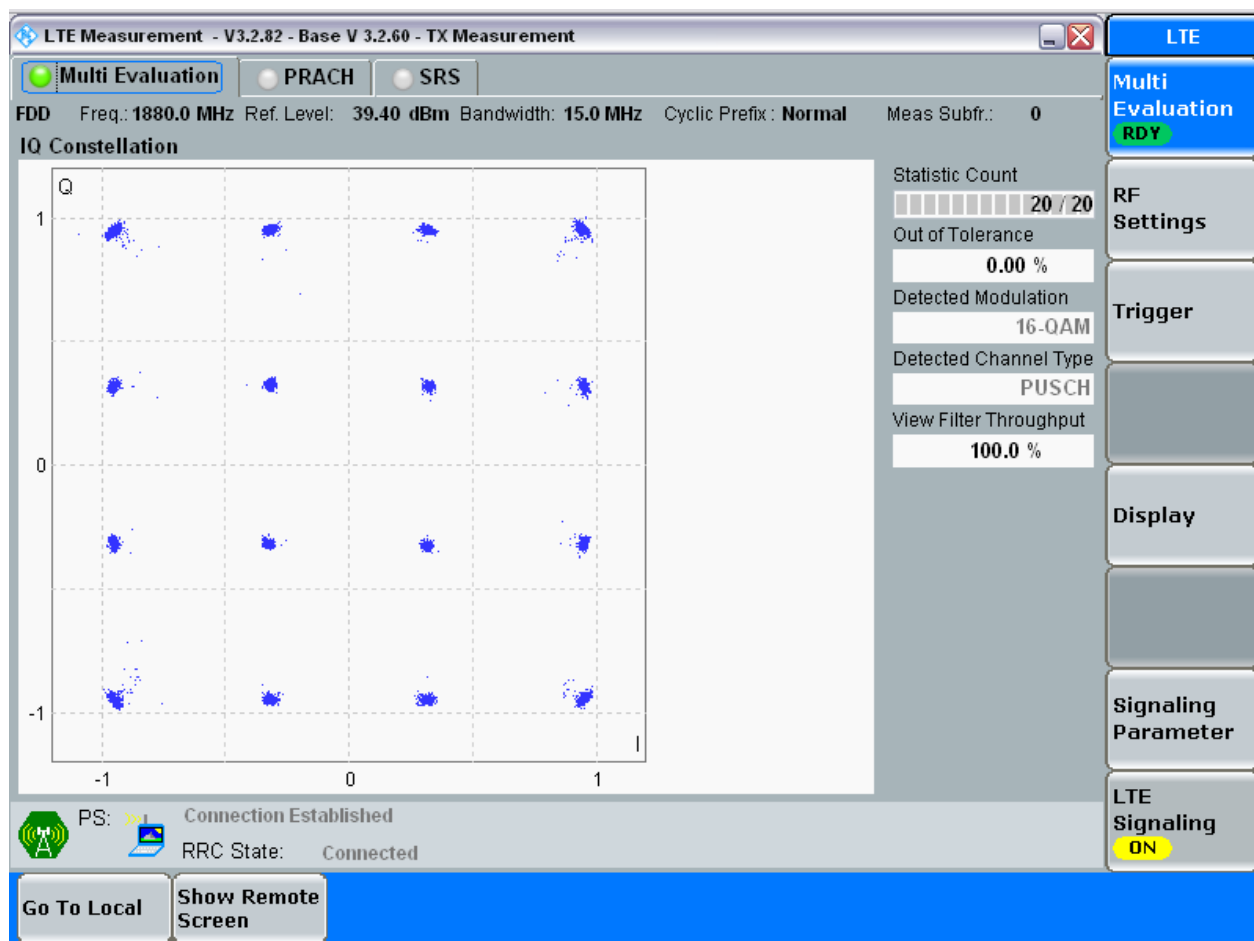
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

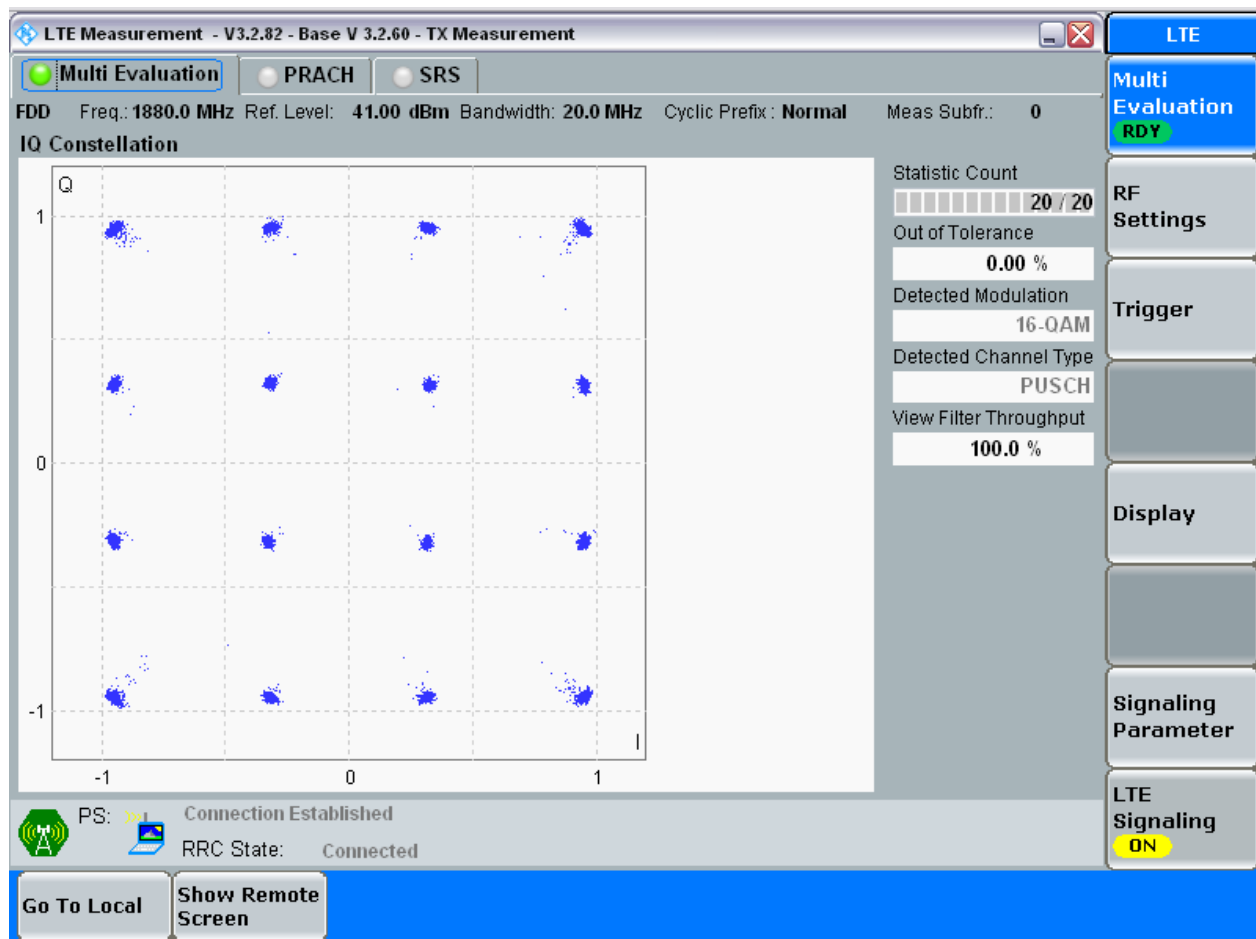
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.27	Pass
			MCH	RB6#0	1.09	1.28	Pass
			HCH	RB6#0	1.09	1.28	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.50	4.93	Pass
			HCH	RB25#0	4.51	4.91	Pass
		10	LCH	RB50#0	8.99	9.60	Pass
			MCH	RB50#0	9.00	9.66	Pass
			HCH	RB50#0	9.01	9.62	Pass
		15	LCH	RB75#0	13.47	14.29	Pass
			MCH	RB75#0	13.50	14.37	Pass
			HCH	RB75#0	13.48	14.33	Pass
		20	LCH	RB100#0	17.89	18.93	Pass
			MCH	RB100#0	17.97	18.99	Pass
			HCH	RB100#0	17.93	18.96	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.29	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.95	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.51	4.87	Pass
			MCH	RB25#0	4.51	4.90	Pass
			HCH	RB25#0	4.51	4.90	Pass
		10	LCH	RB50#0	8.99	9.63	Pass
			MCH	RB50#0	9.00	9.64	Pass
			HCH	RB50#0	8.99	9.67	Pass
		15	LCH	RB75#0	13.46	14.27	Pass
			MCH	RB75#0	13.50	14.31	Pass
			HCH	RB75#0	13.48	14.24	Pass
		20	LCH	RB100#0	17.91	18.96	Pass
			MCH	RB100#0	17.96	18.99	Pass
			HCH	RB100#0	17.94	18.99	Pass



Part II - Test Plots

4.1 For LTE

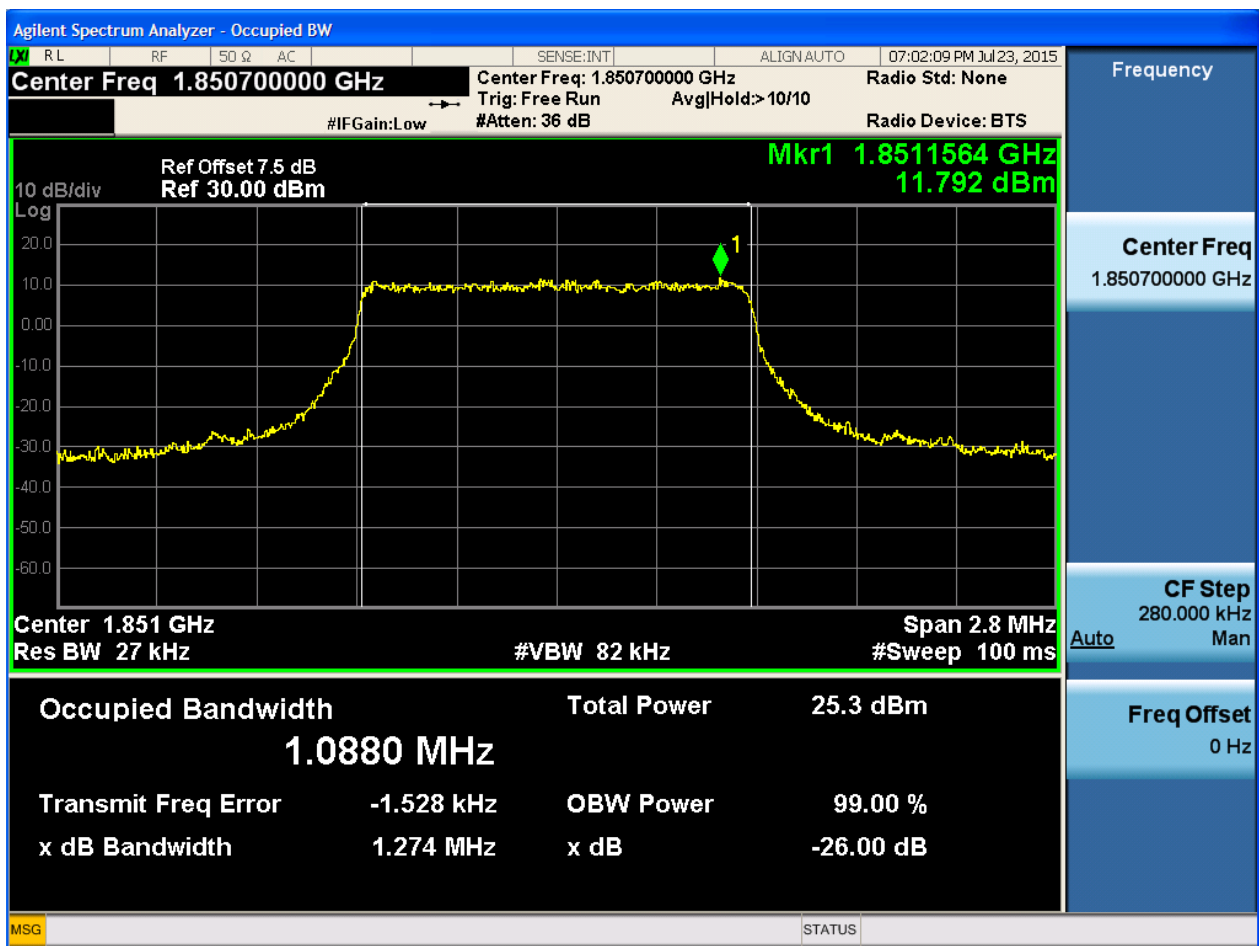
4.1.1 Test Band = BAND2

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

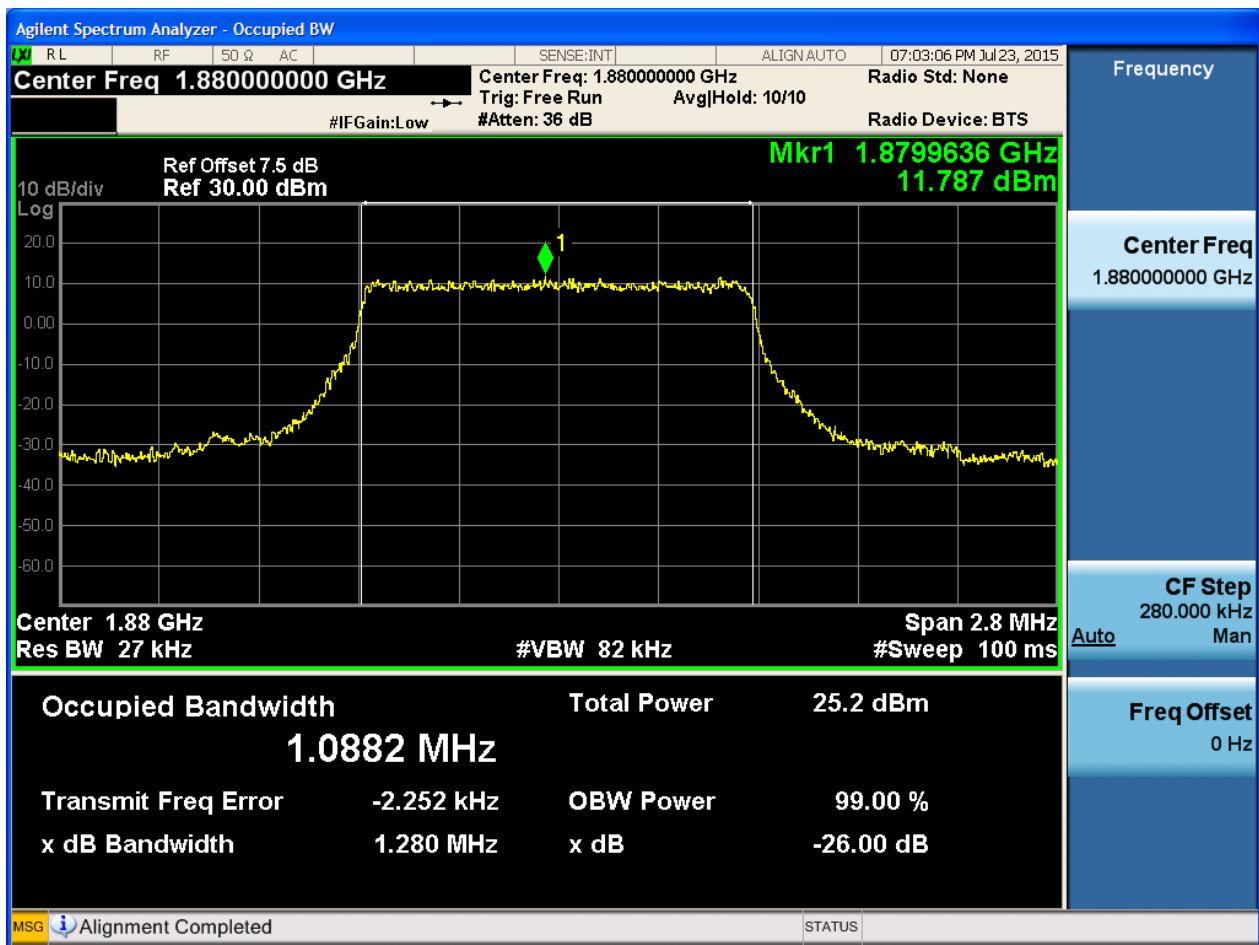
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



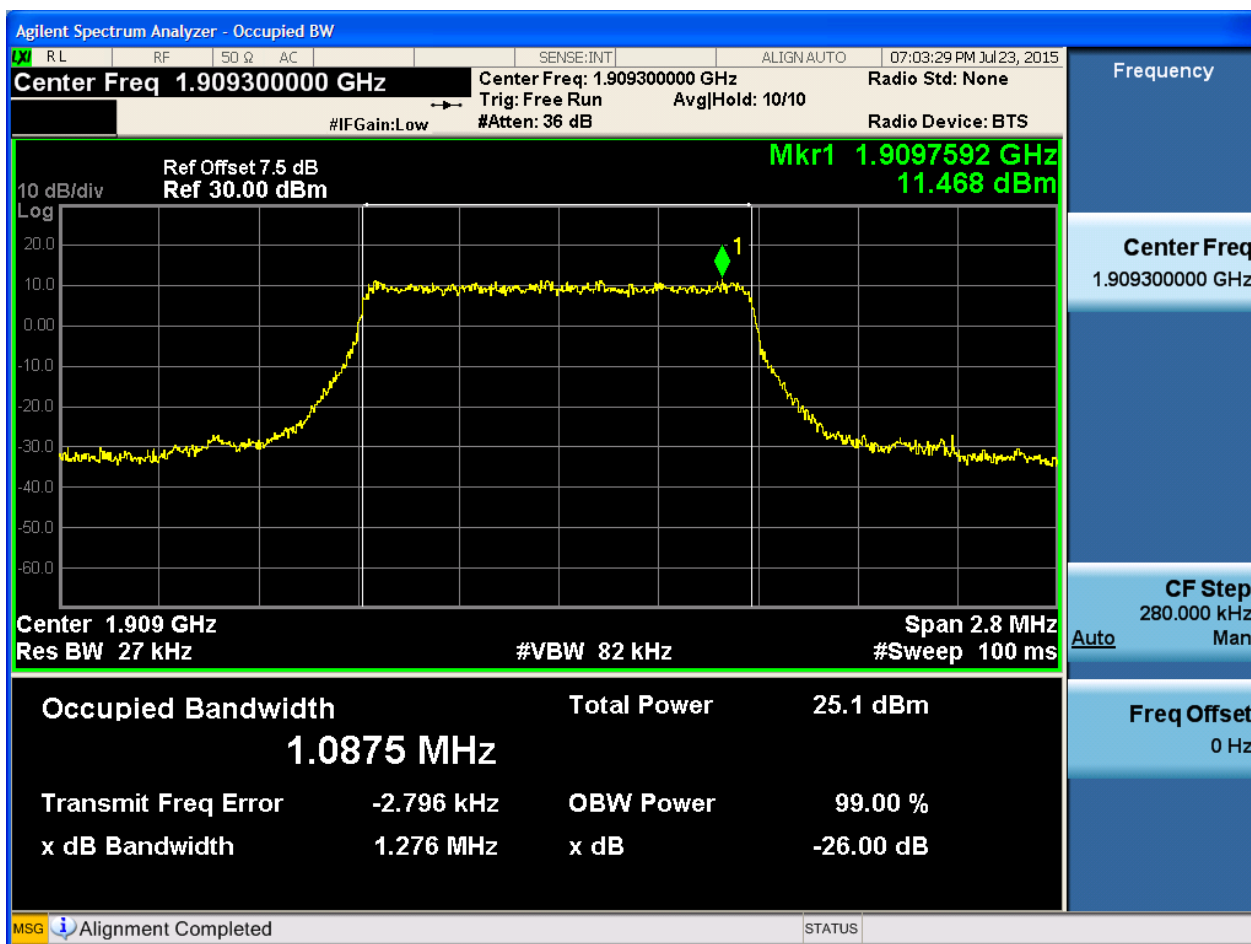
4.1.1.1.1.2 Test Channel = MCH

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

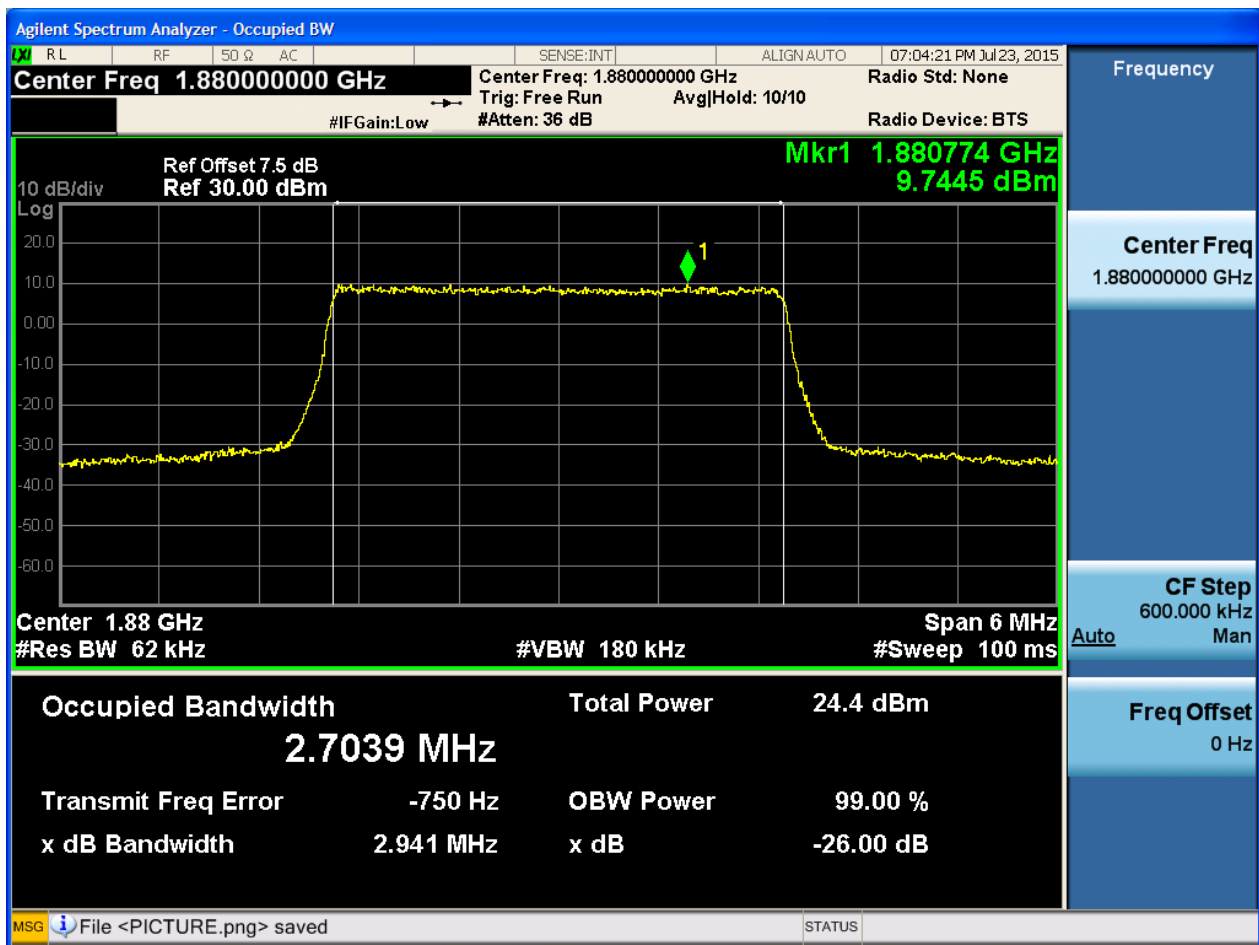






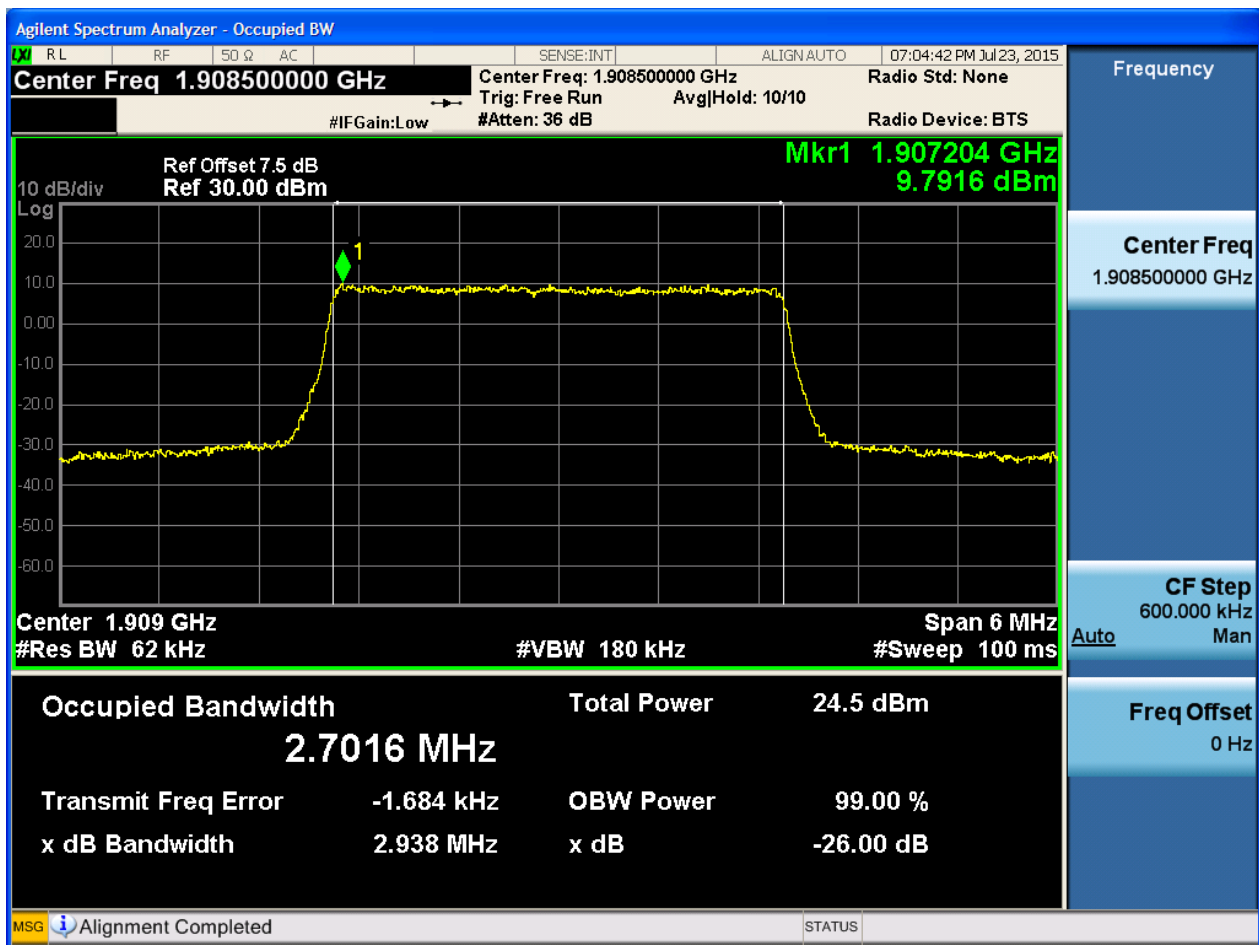
4.1.1.1.2.2 Test Channel = MCH

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

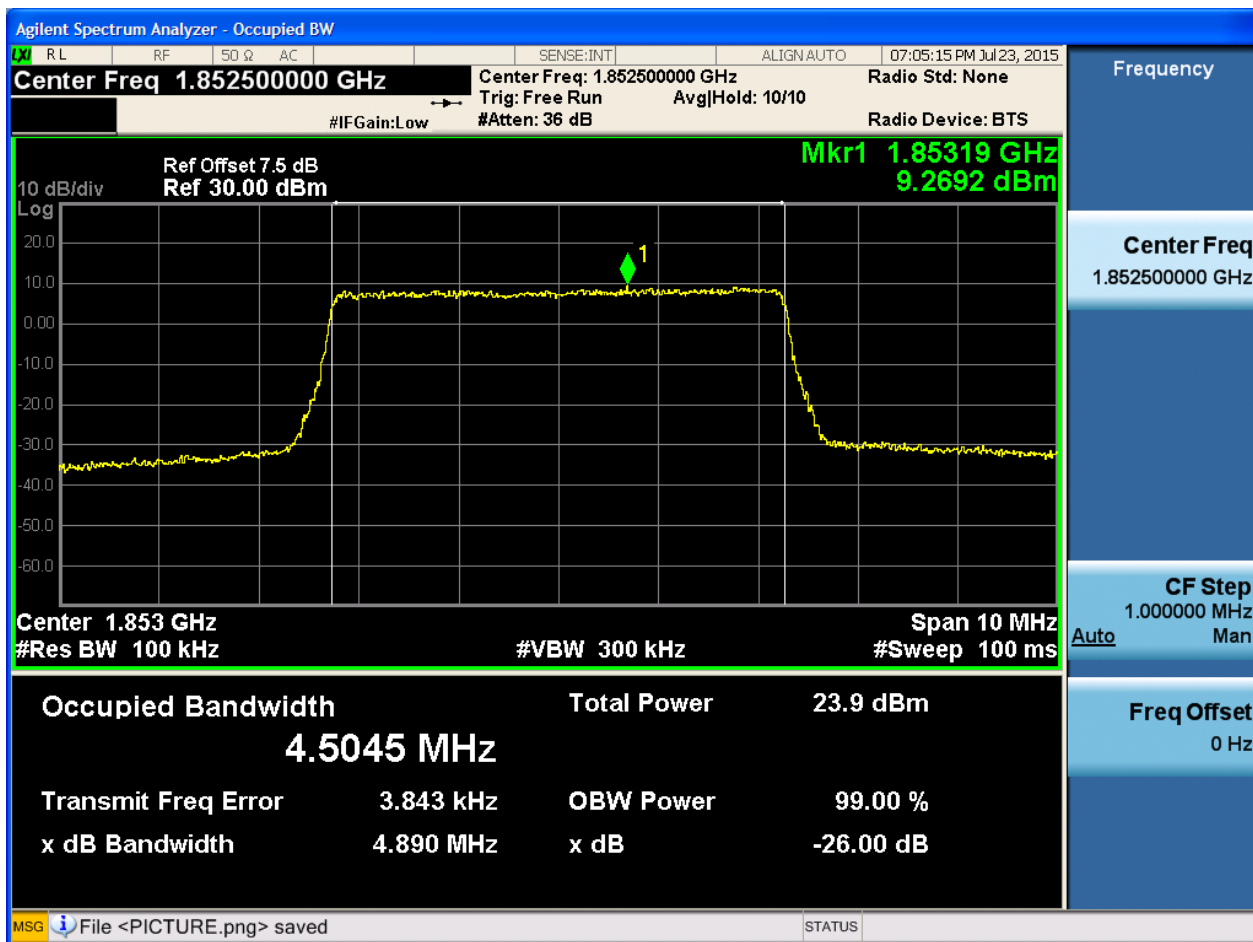




4.1.1.1.3 Test Bandwidth = 5

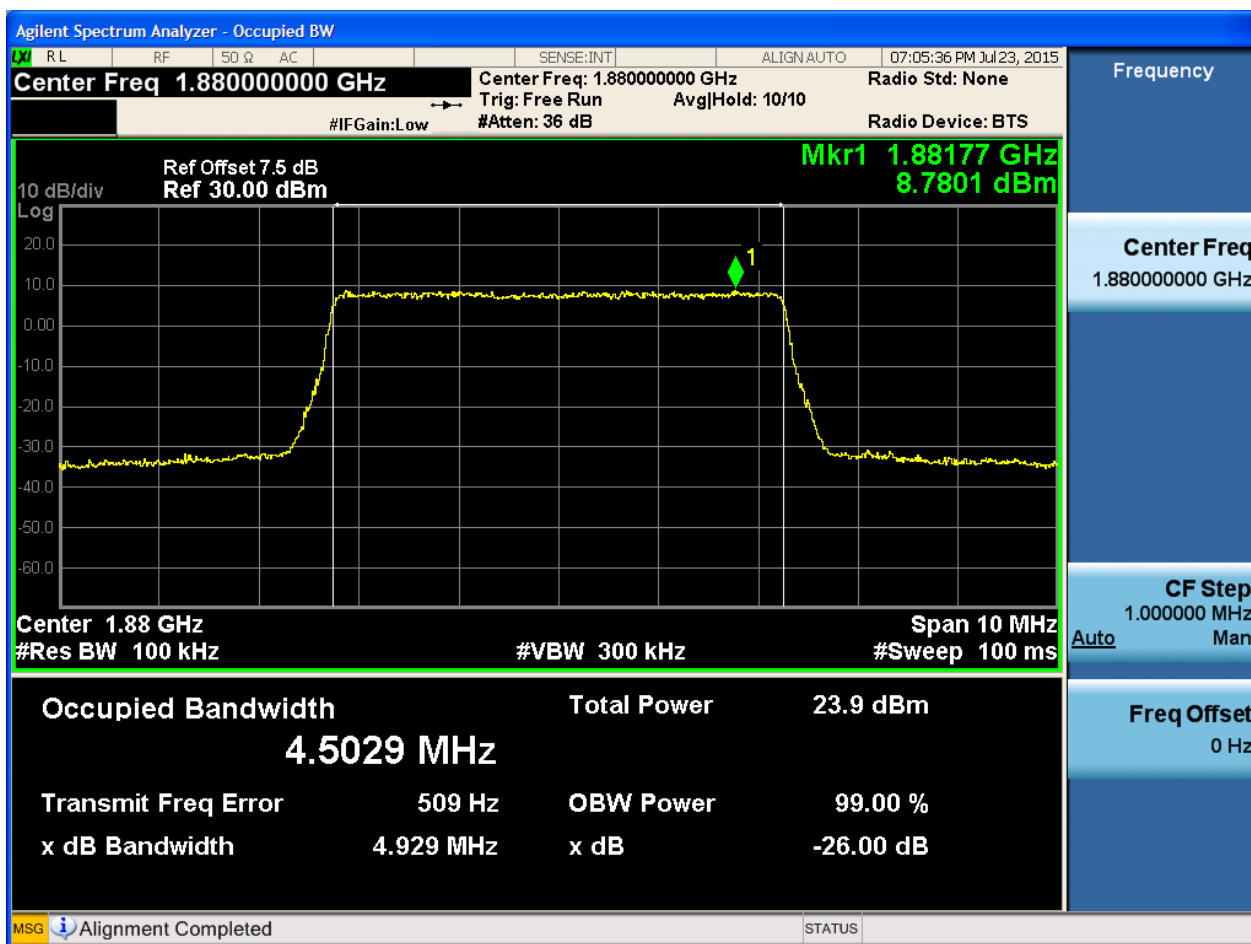
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



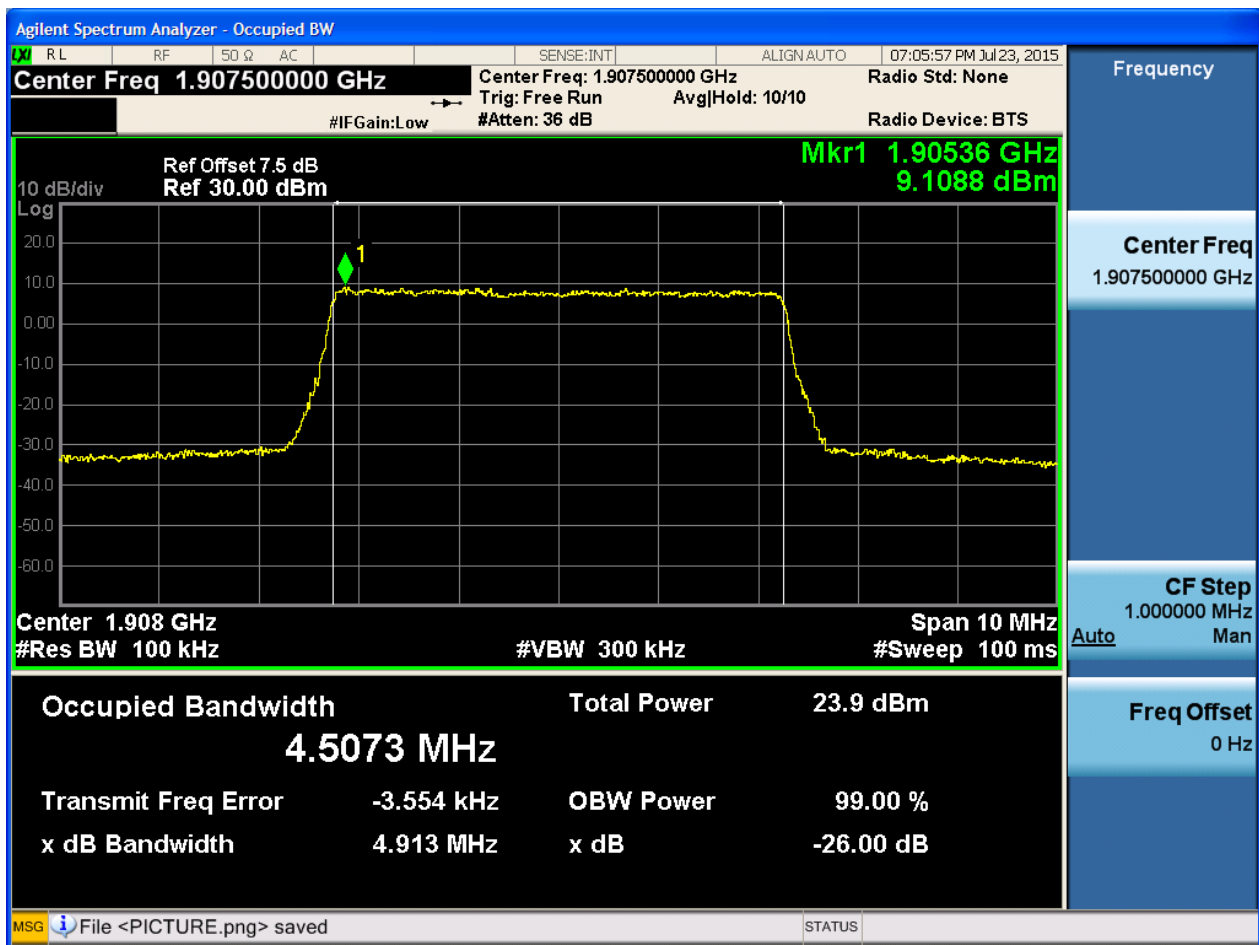
4.1.1.1.3.2 Test Channel = MCH

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

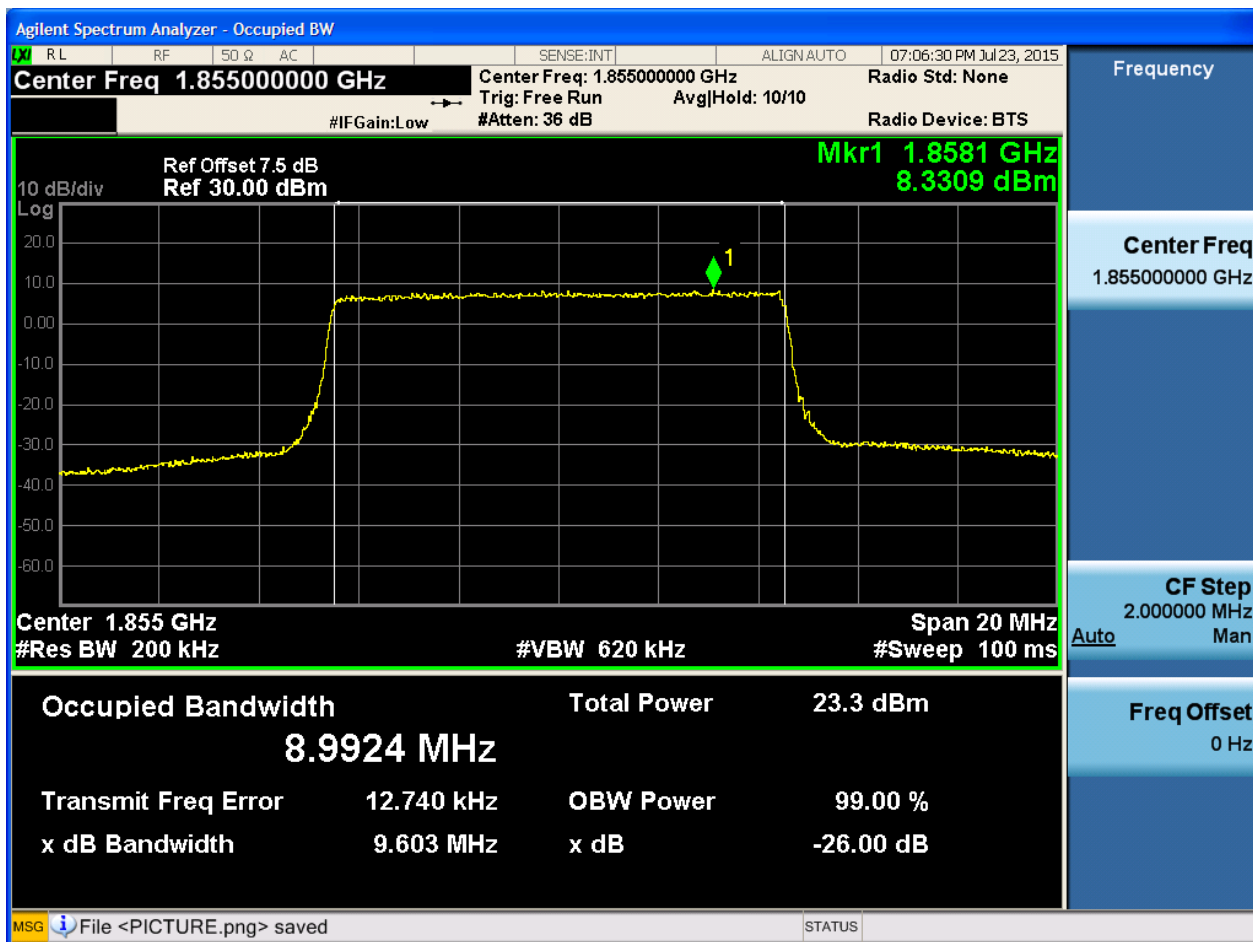




4.1.1.1.4 Test Bandwidth = 10

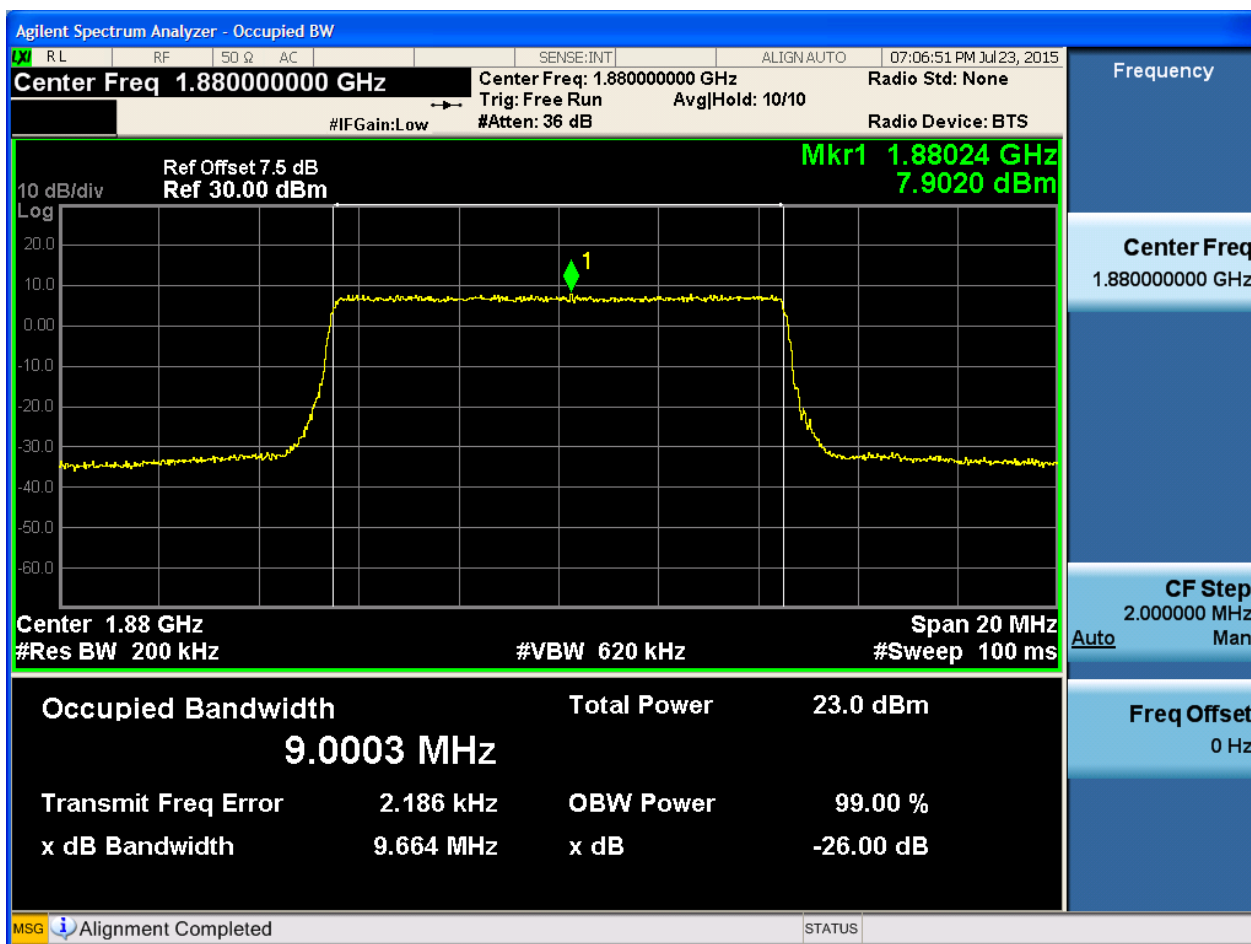
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



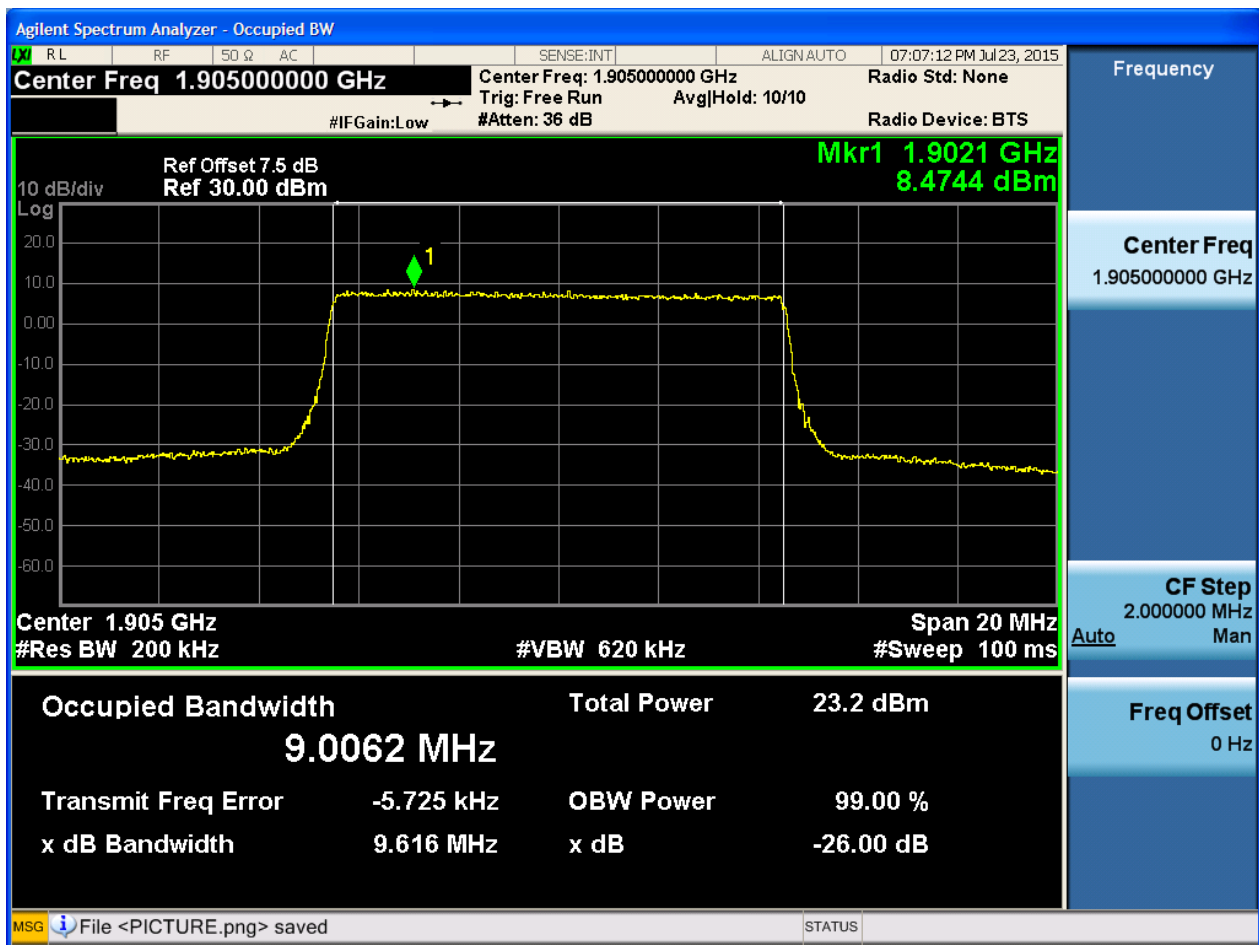
4.1.1.1.4.2 Test Channel = MCH

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

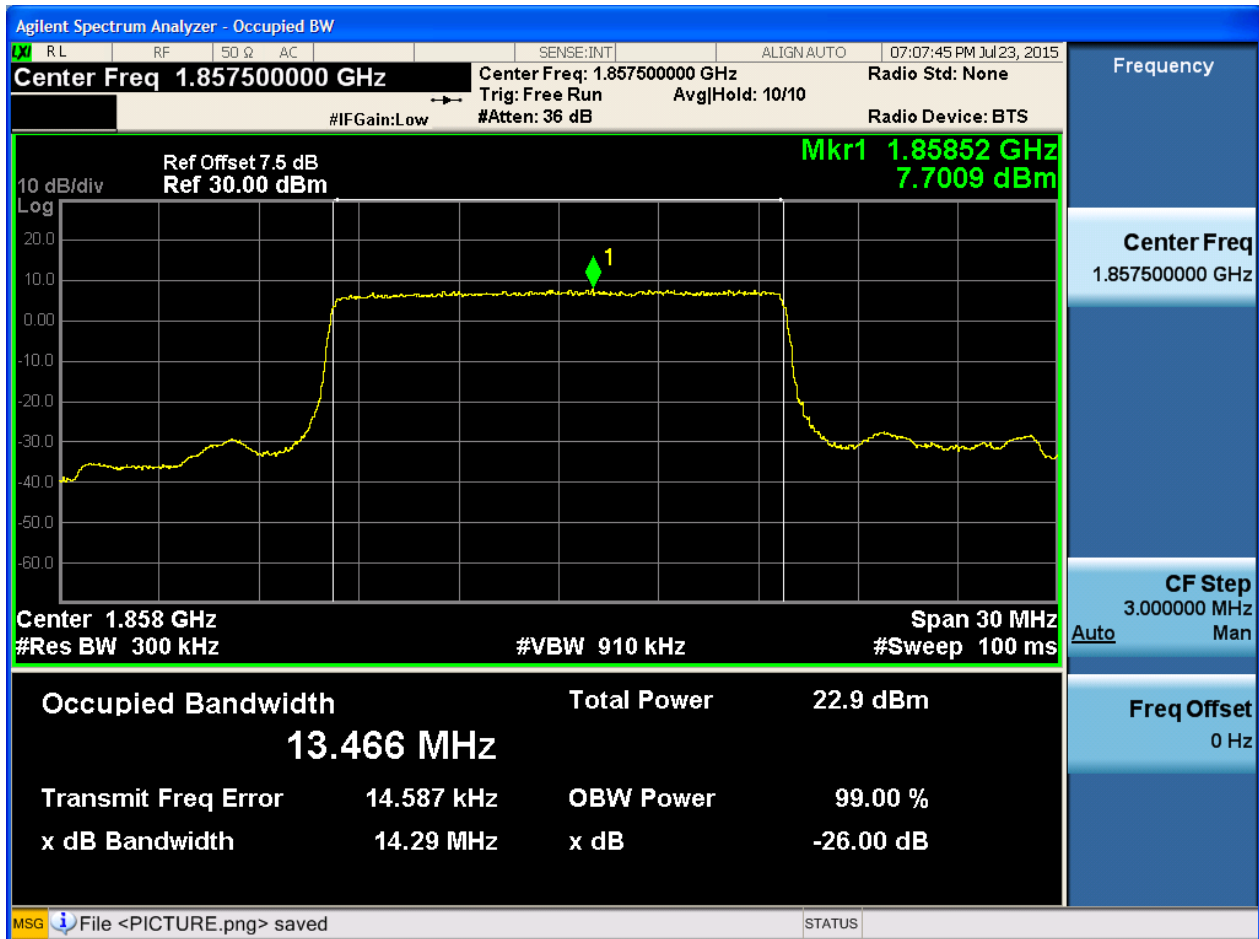




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

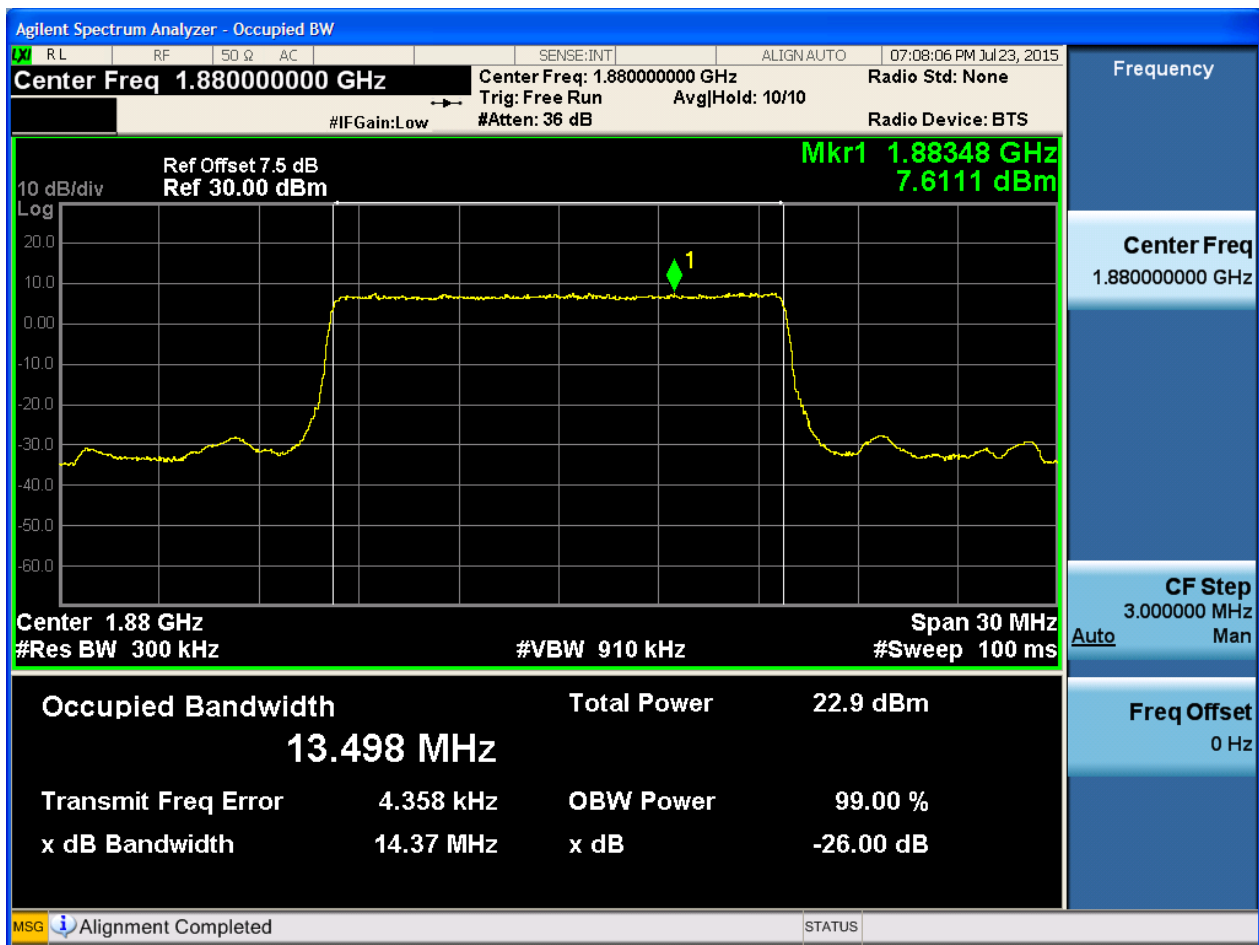
4.1.1.1.5.1.1 Test RB = RB75#0





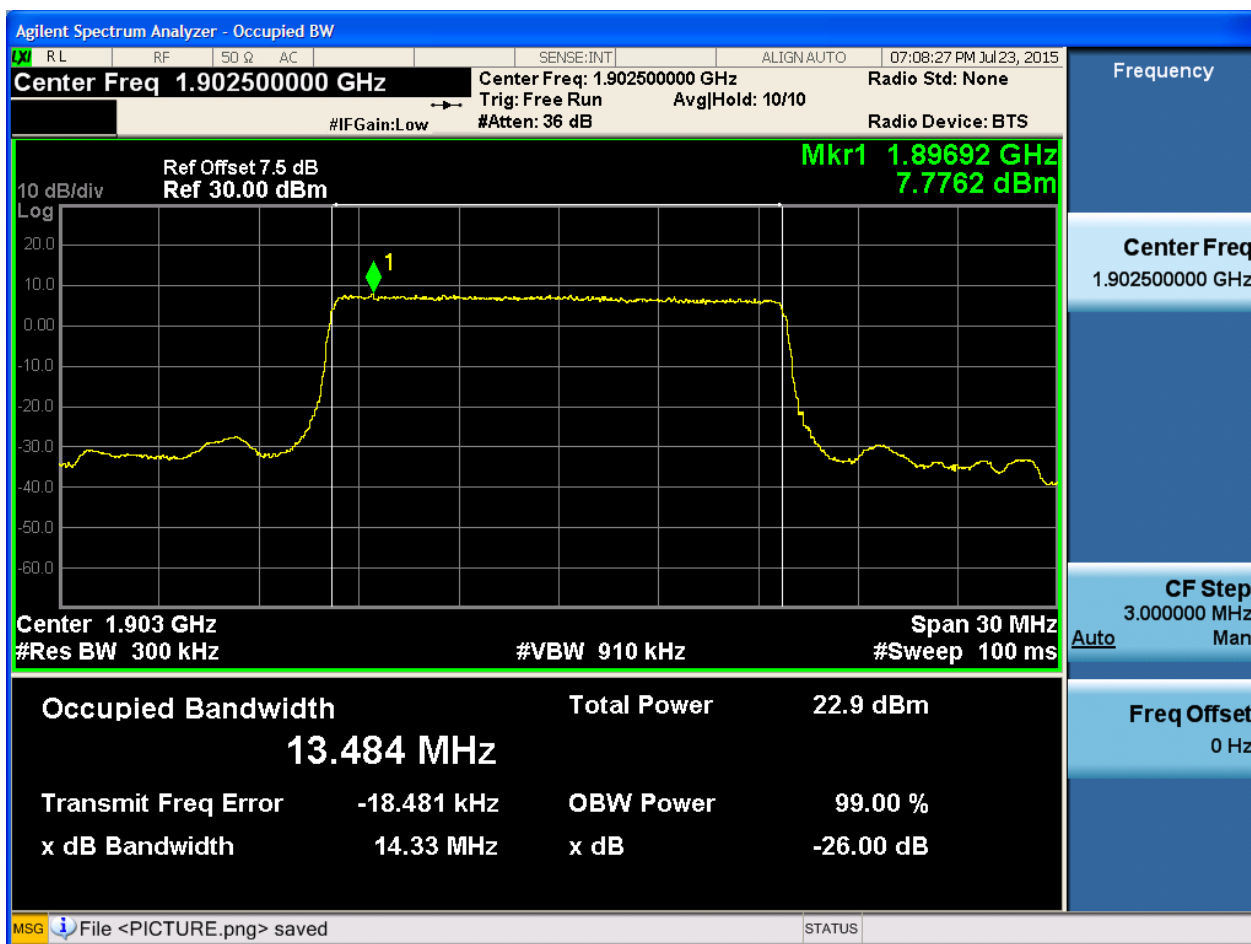
4.1.1.1.5.2 Test Channel = MCH

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

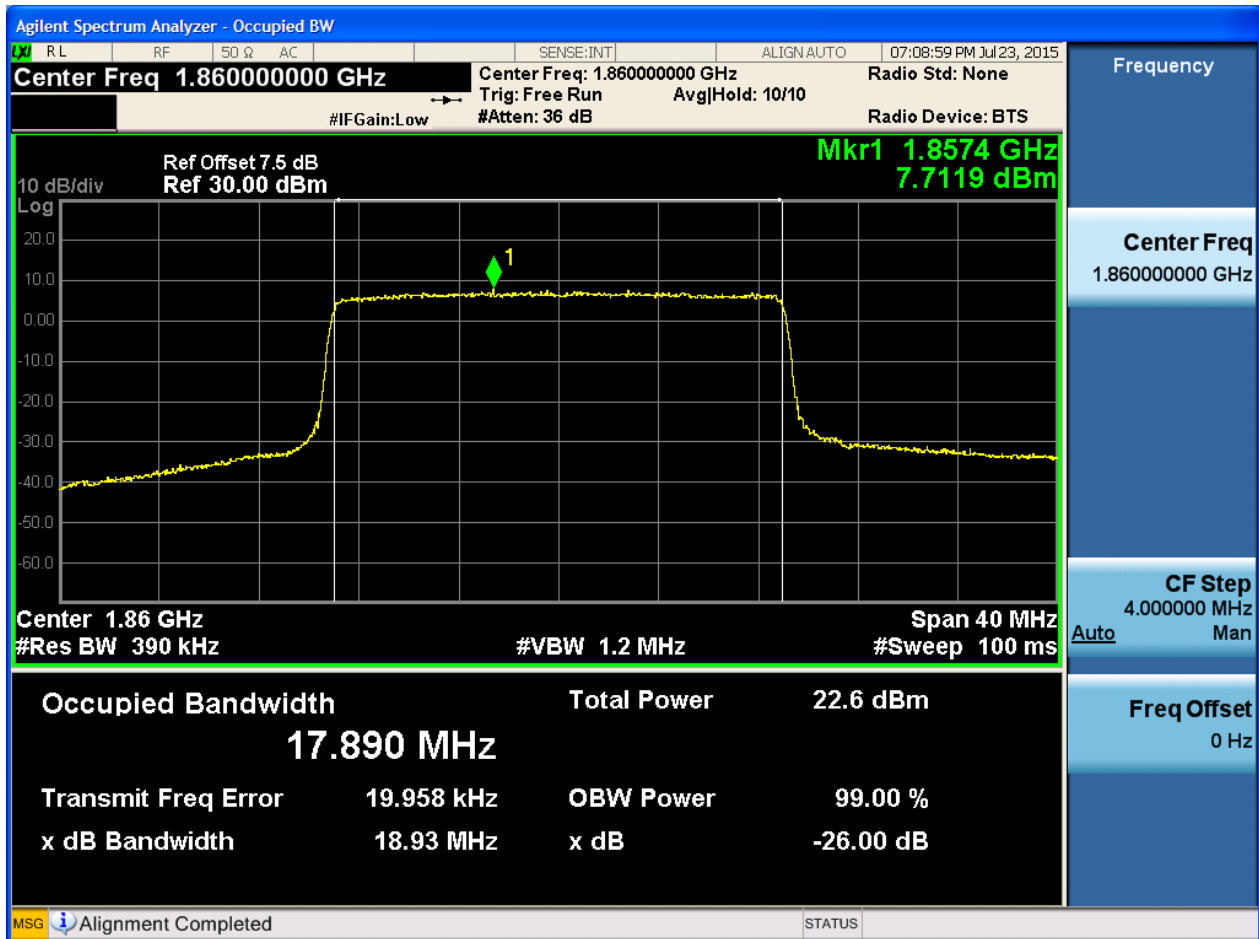




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

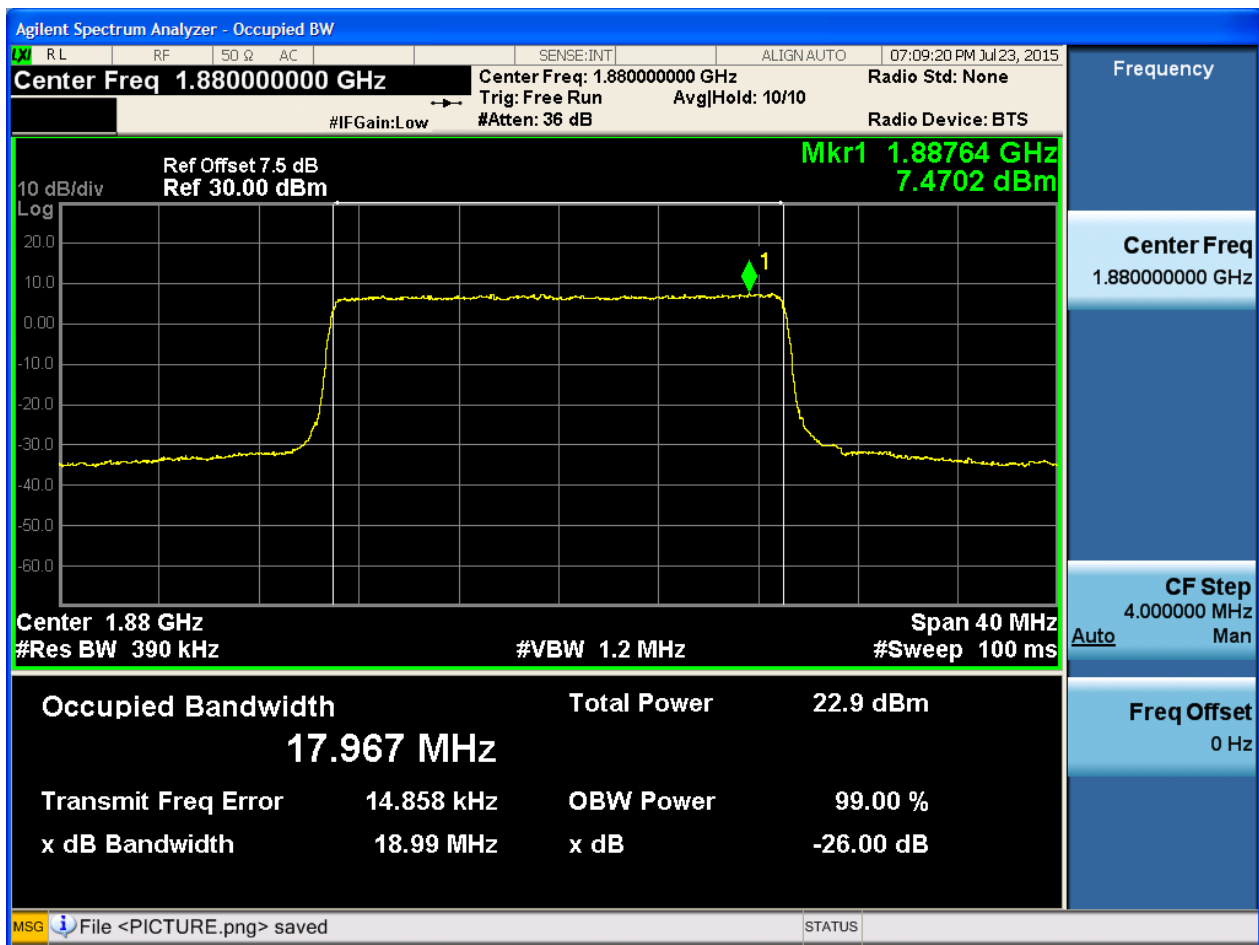
4.1.1.1.6.1.1 Test RB = RB100#0





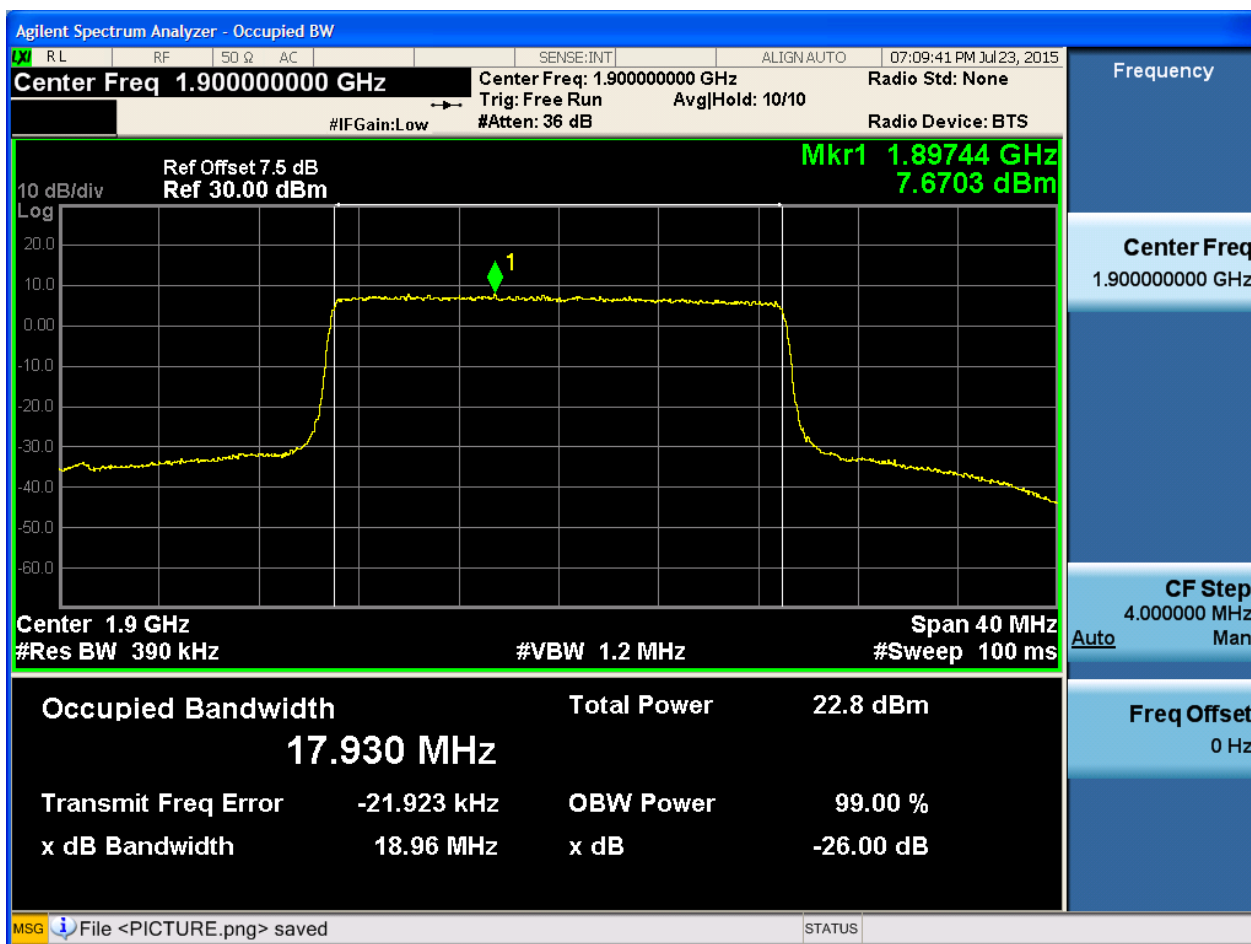
4.1.1.1.6.2 Test Channel = MCH

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



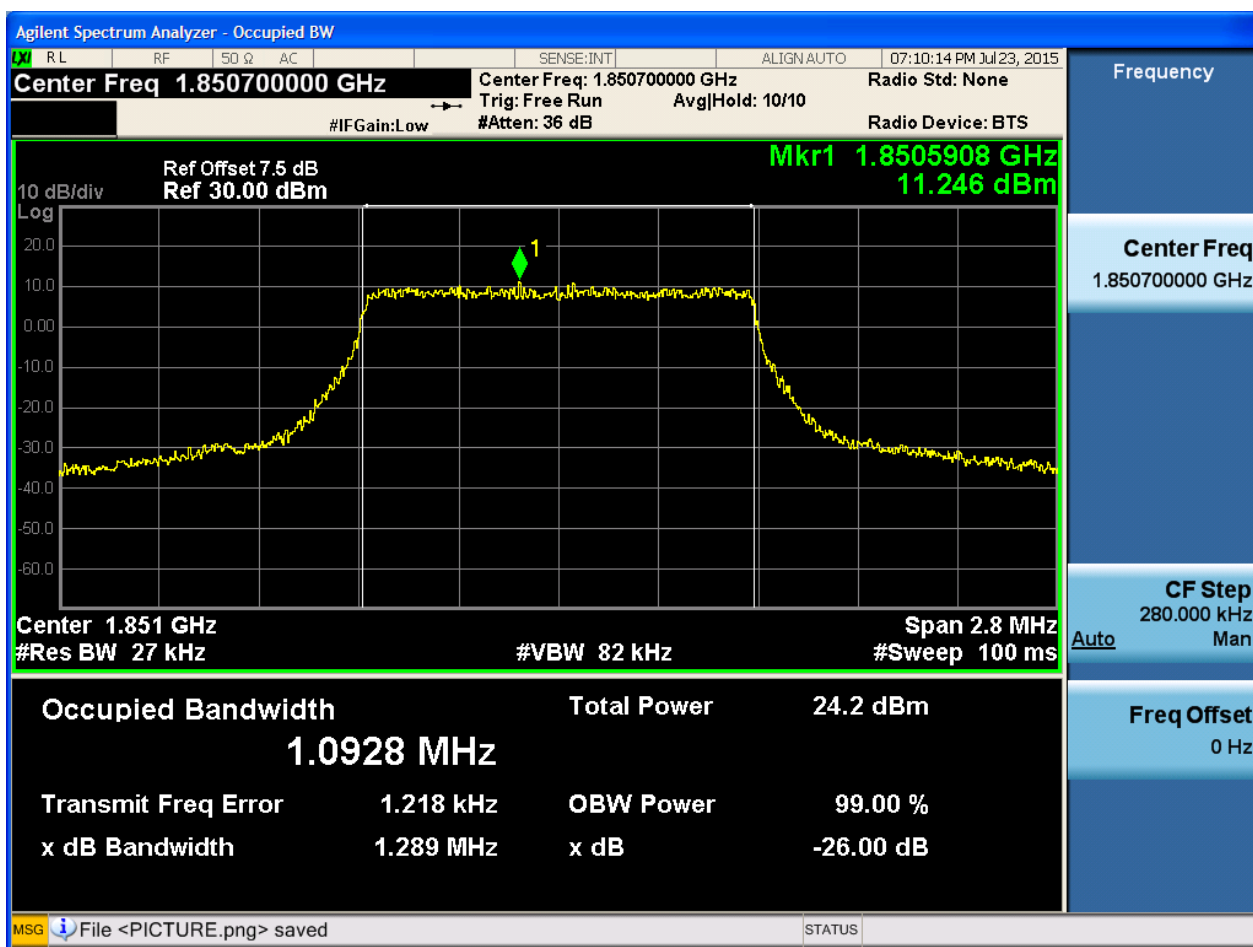


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

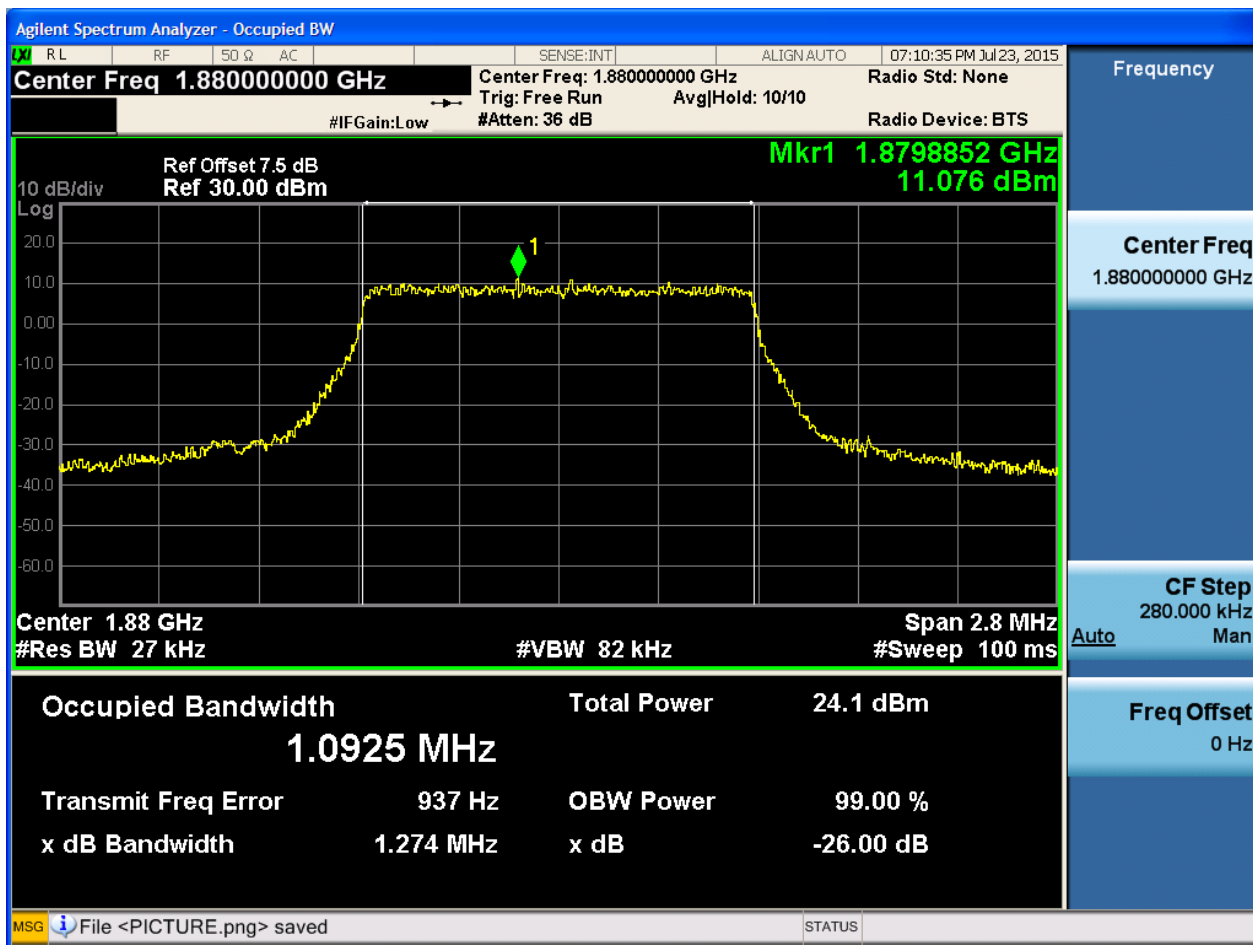
4.1.1.2.1.1.1 Test RB = RB6#0





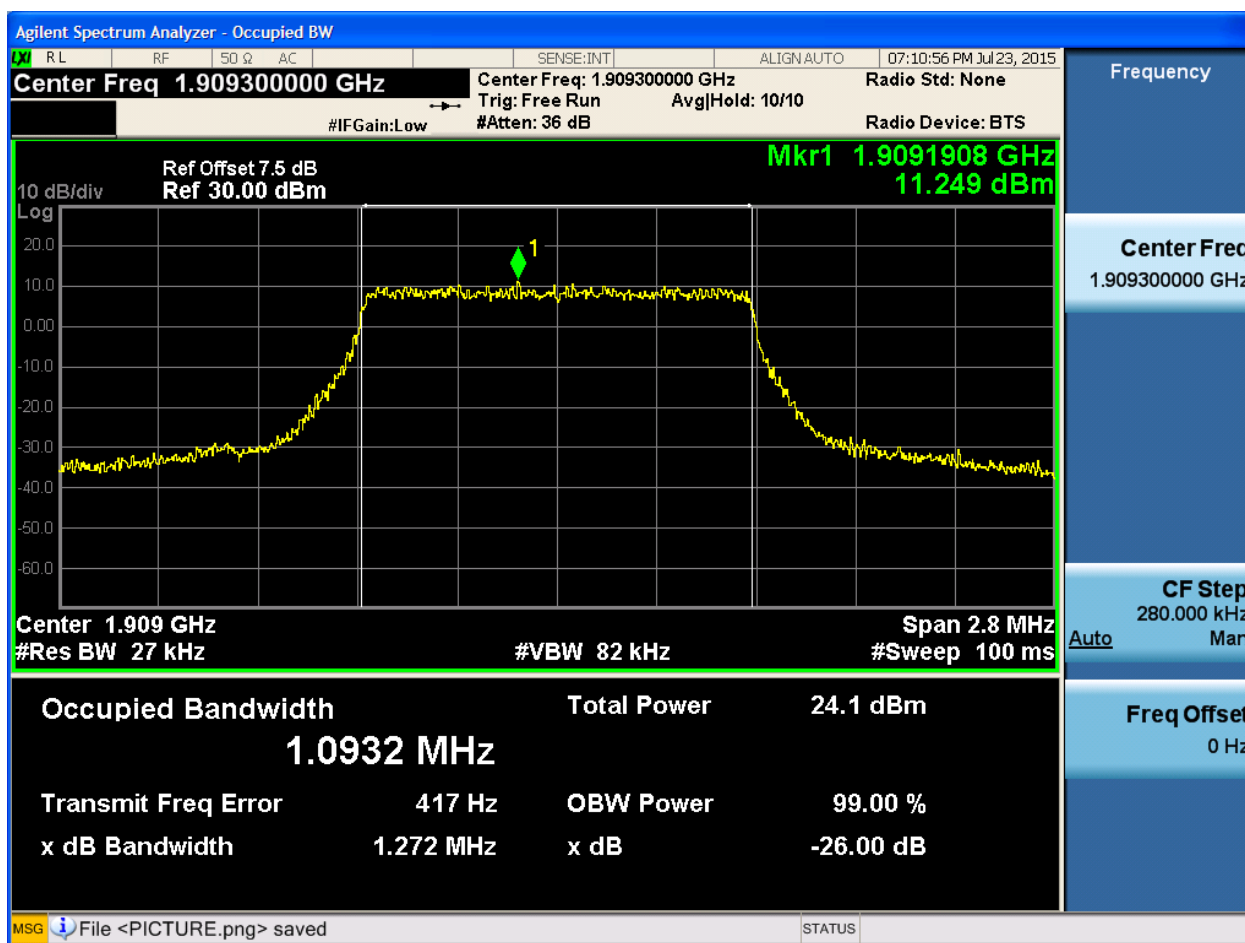
4.1.1.2.1.2 Test Channel = MCH

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

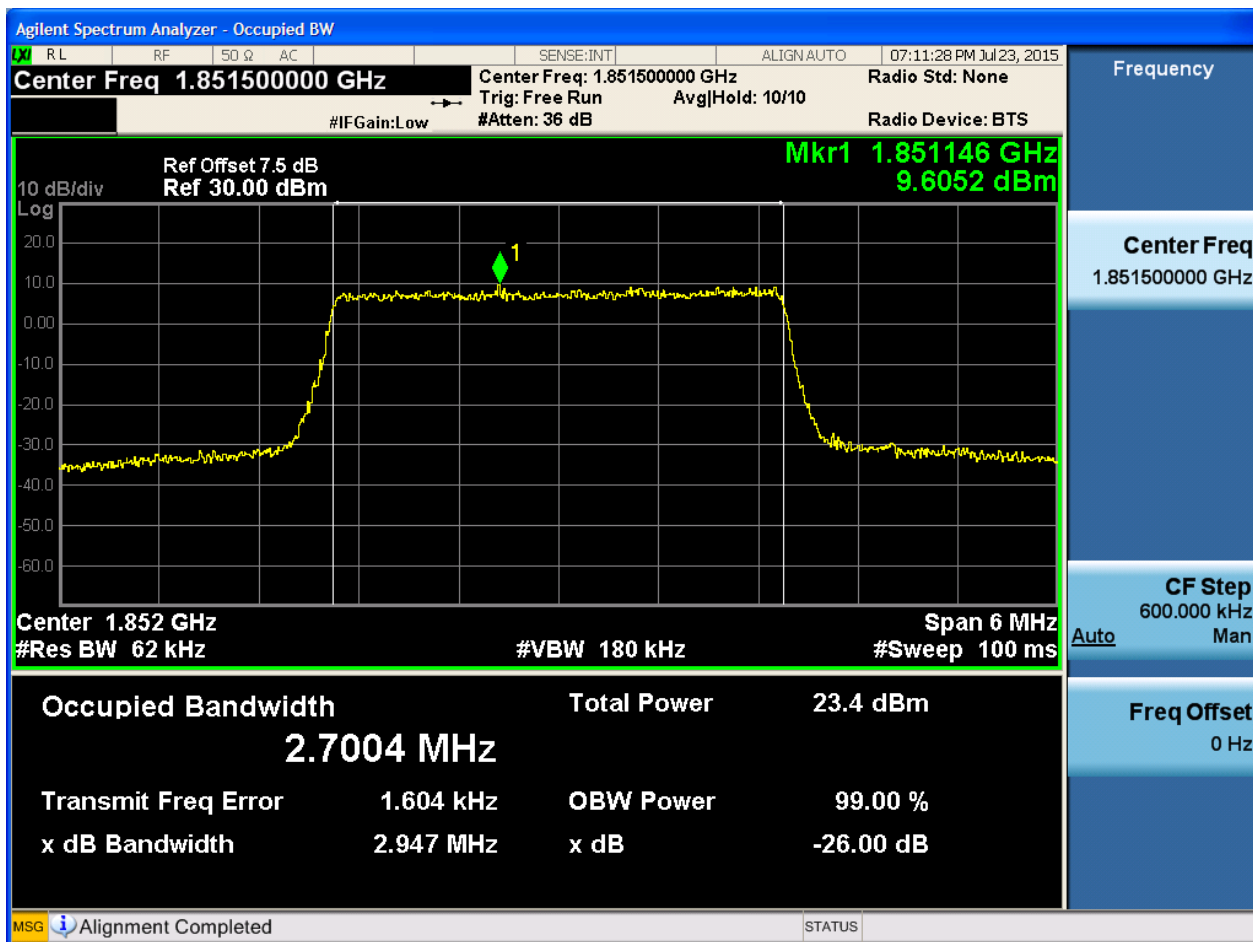




4.1.1.2.2 Test Bandwidth = 3

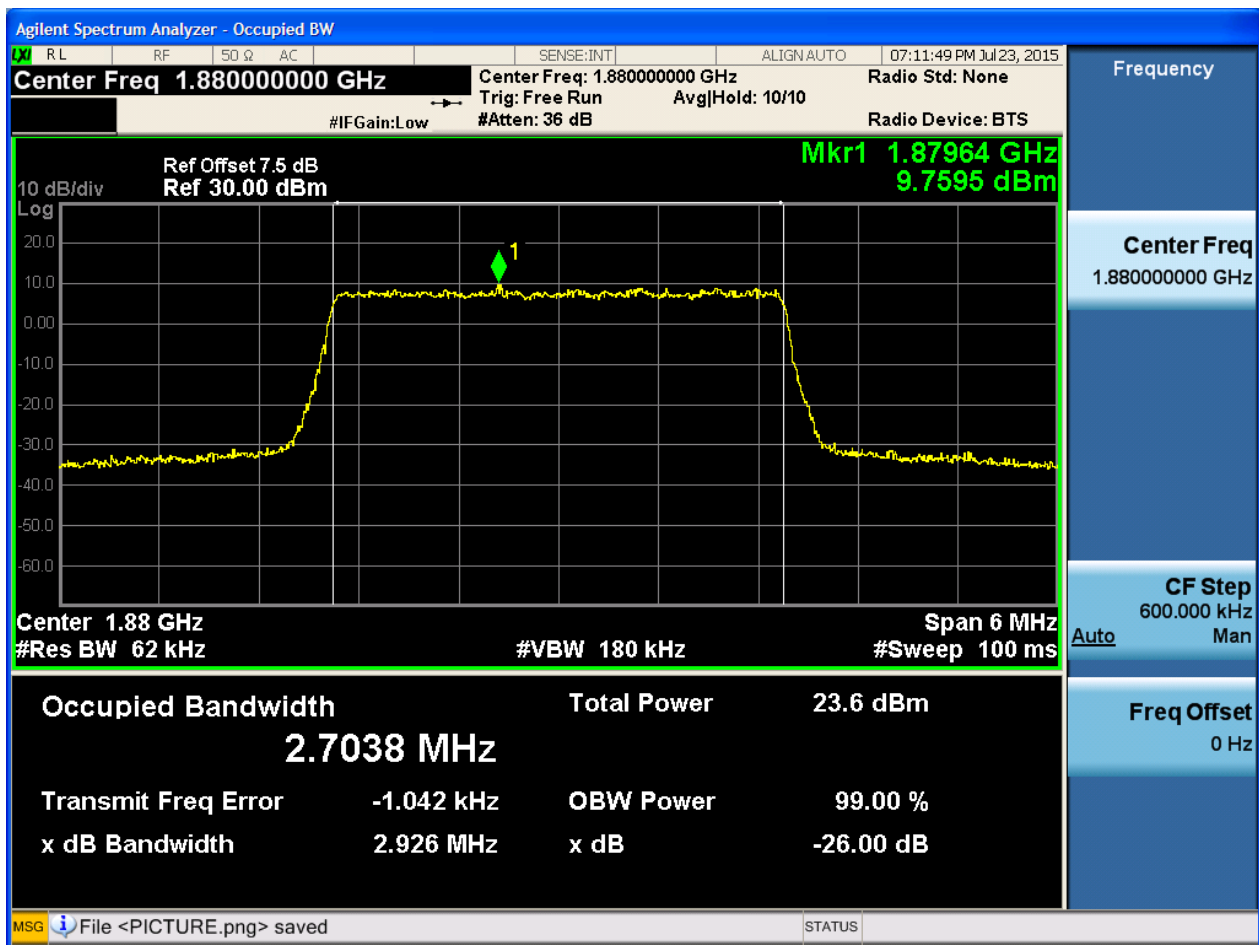
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



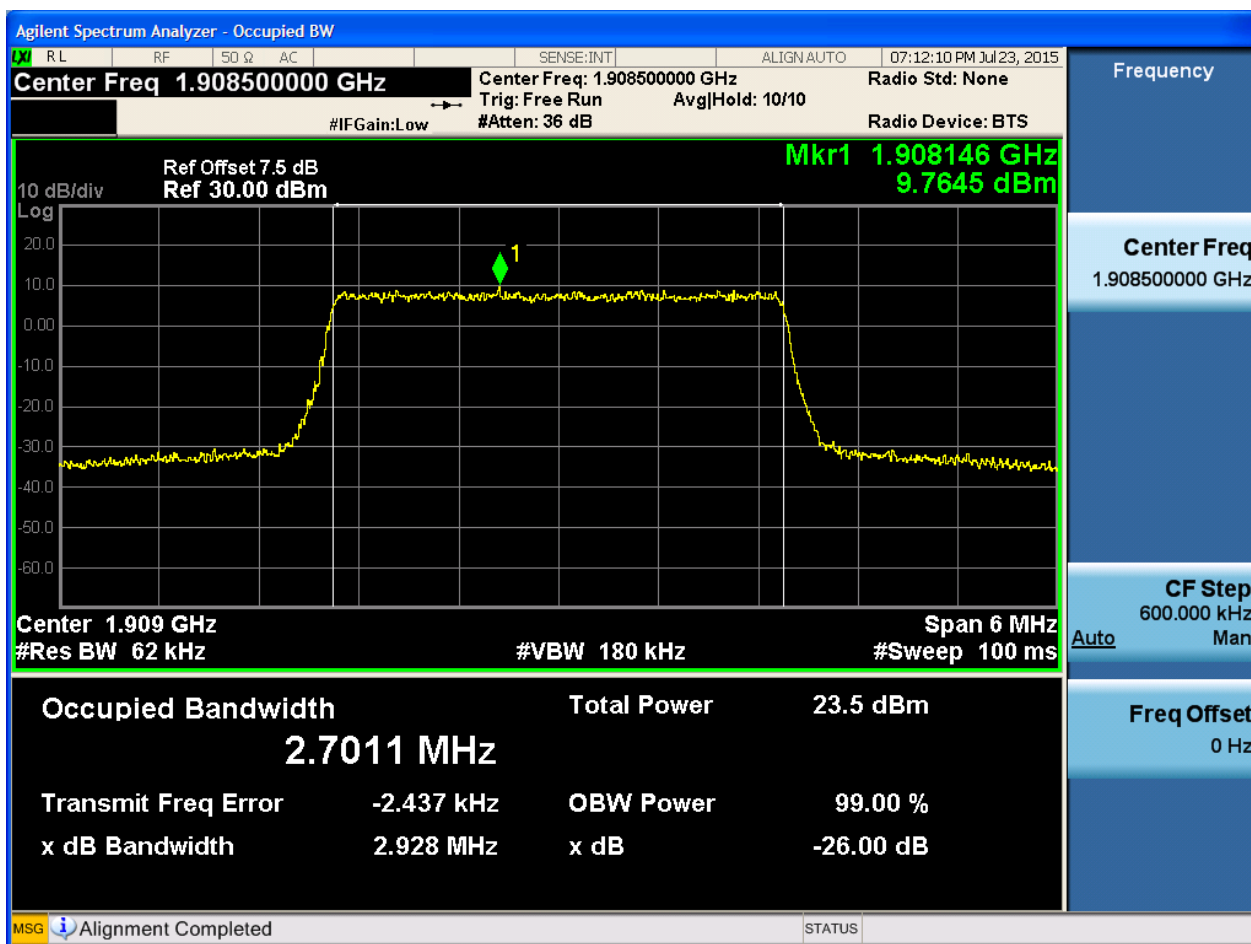
4.1.1.2.2.2 Test Channel = MCH

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

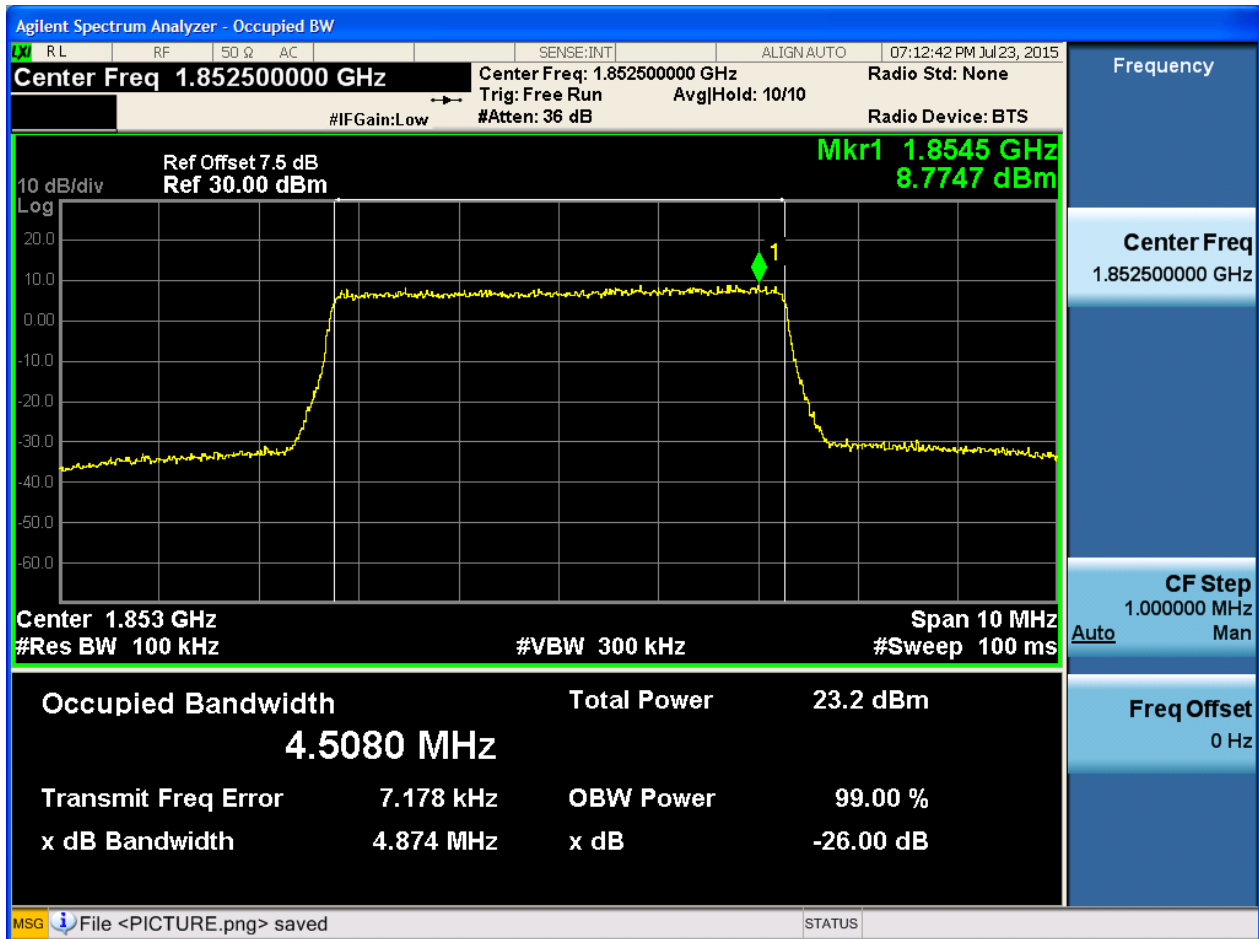




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

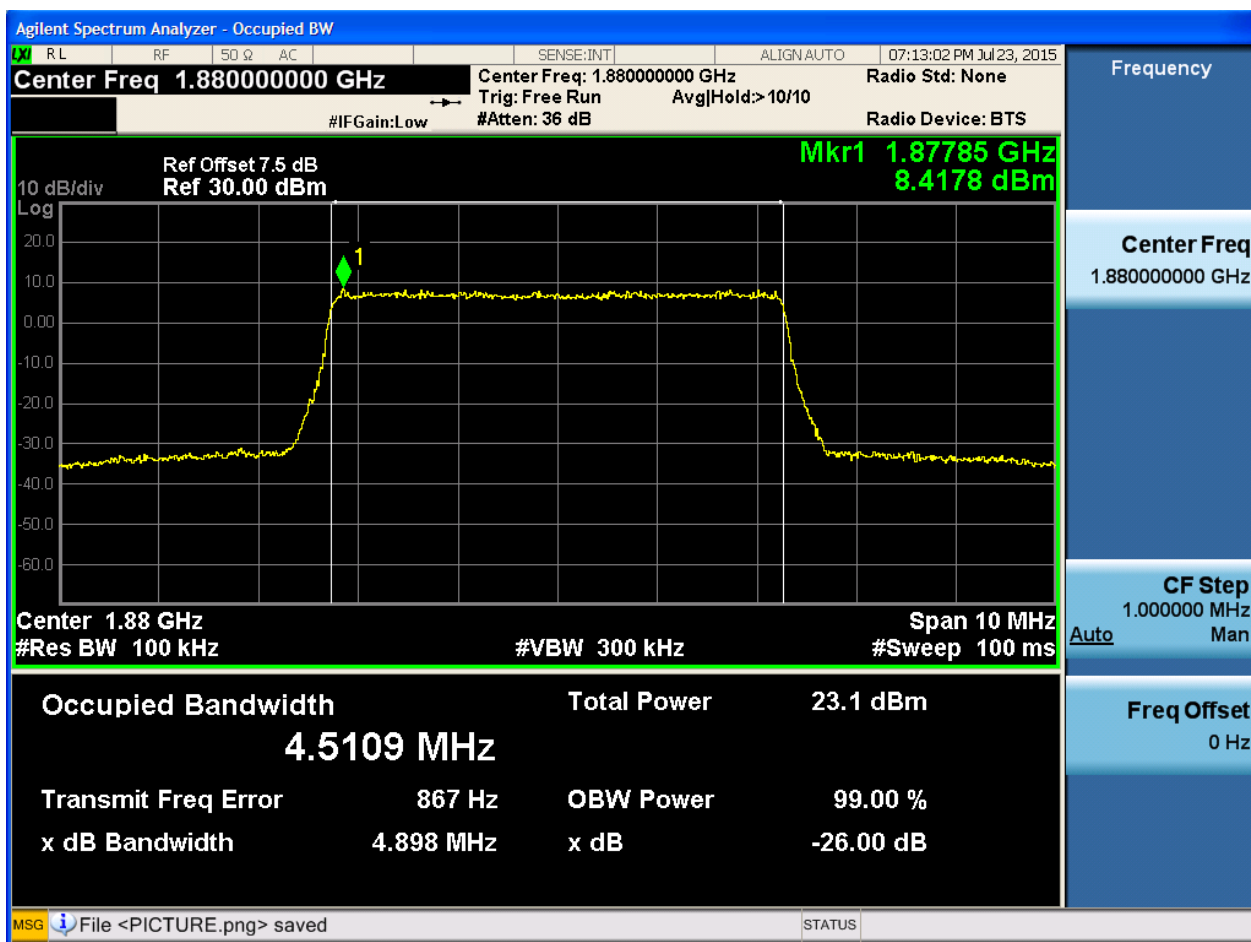
4.1.1.2.3.1.1 Test RB = RB25#0





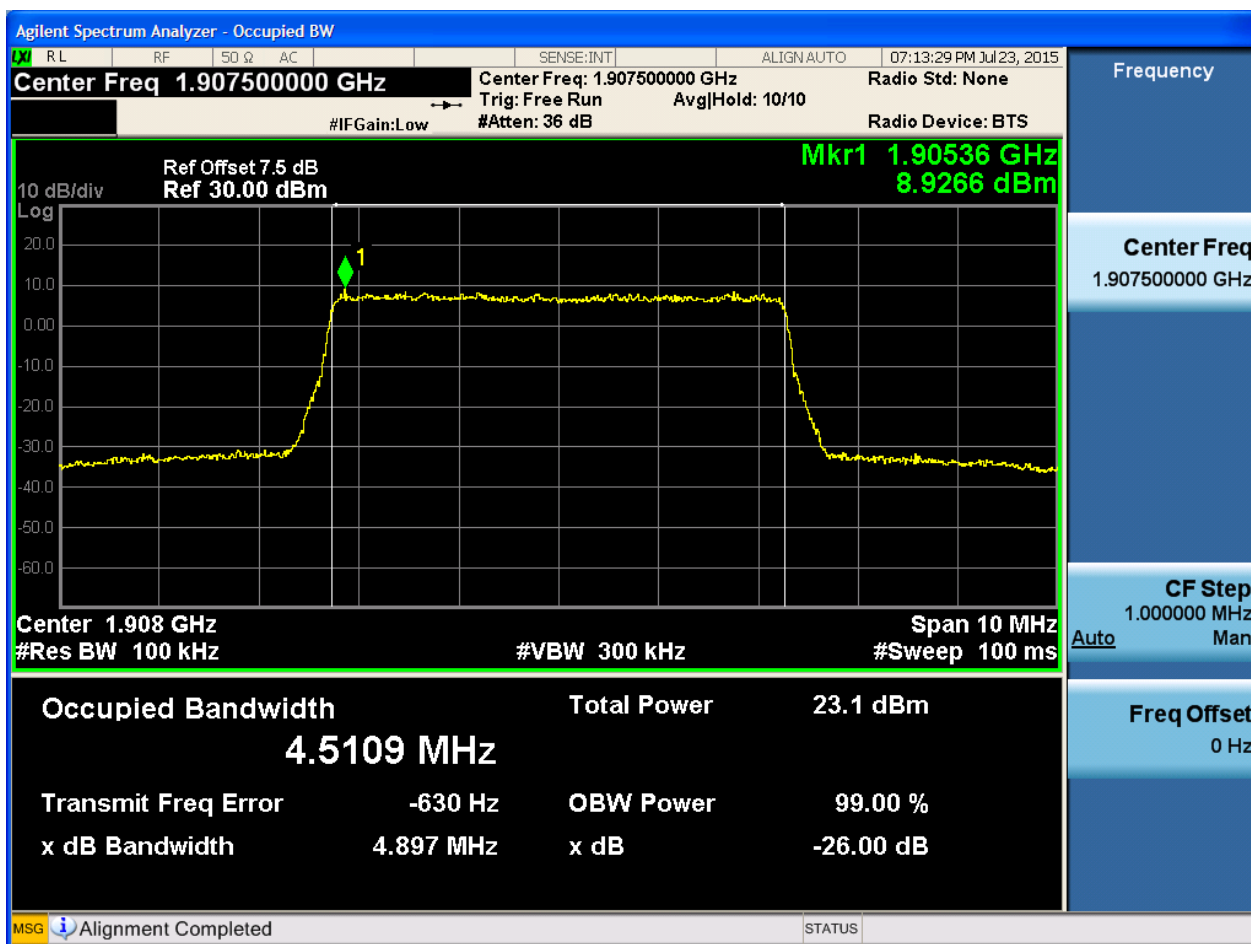
4.1.1.2.3.2 Test Channel = MCH

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

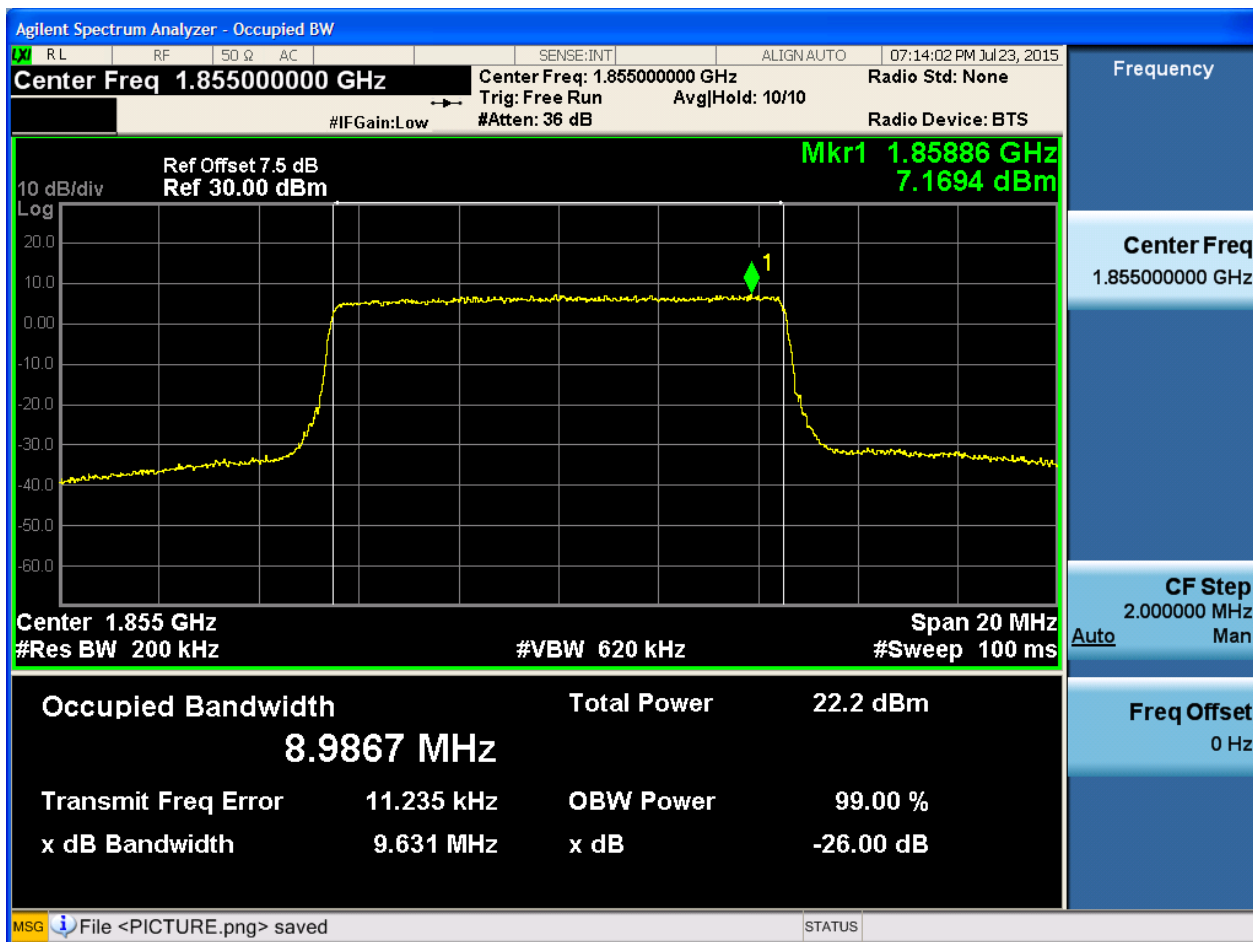




4.1.1.2.4 Test Bandwidth = 10

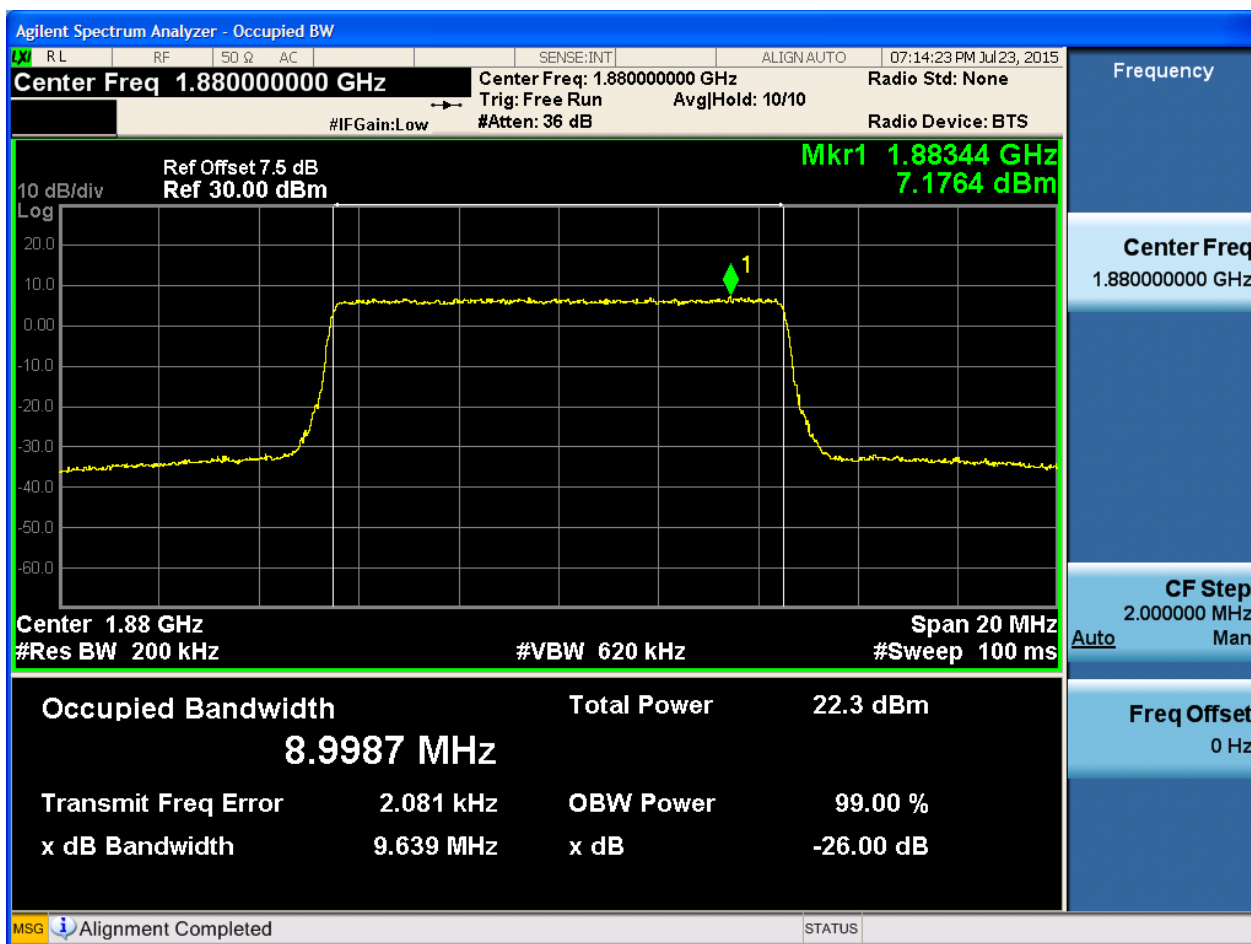
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



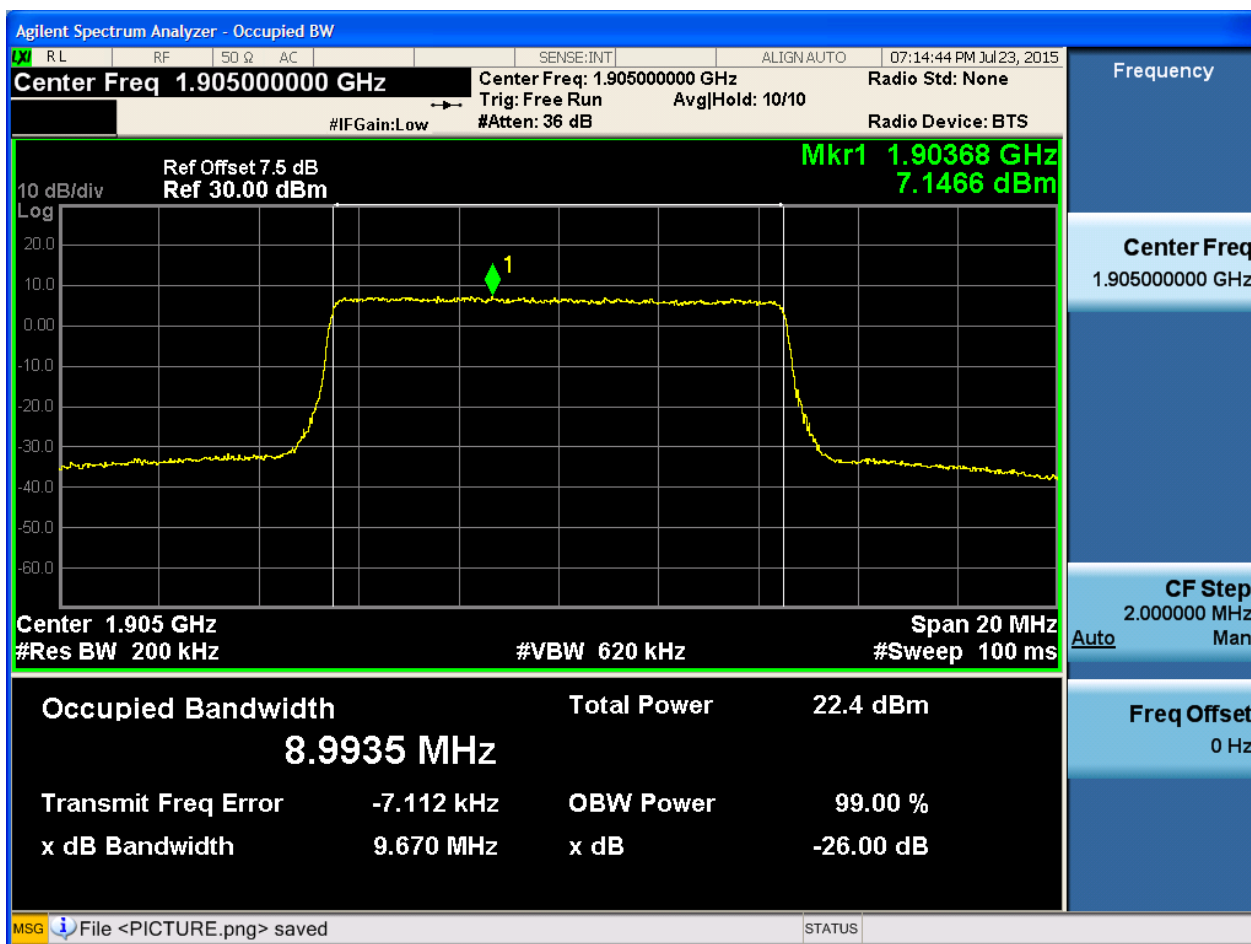
4.1.1.2.4.2 Test Channel = MCH

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

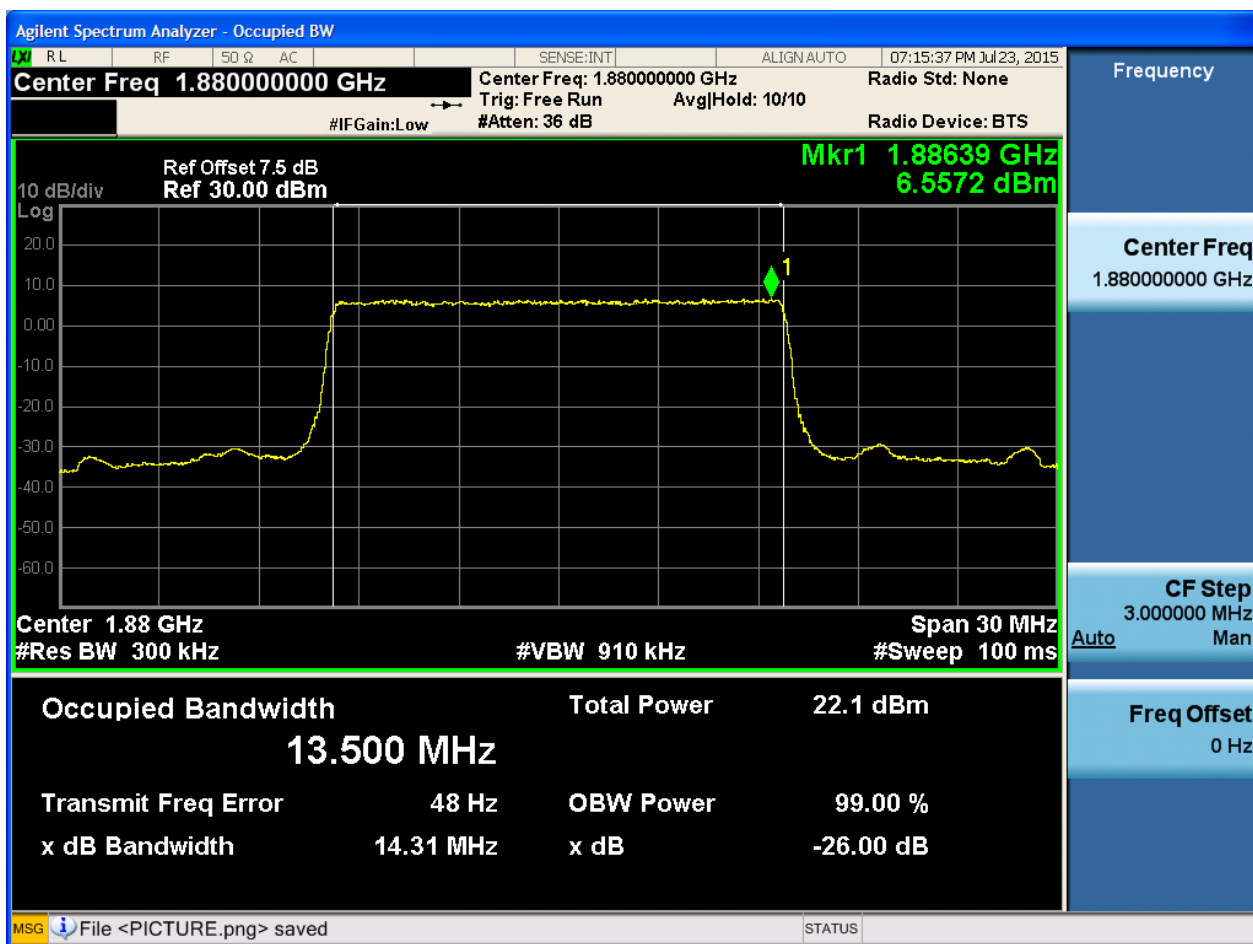






4.1.1.2.5.2 Test Channel = MCH

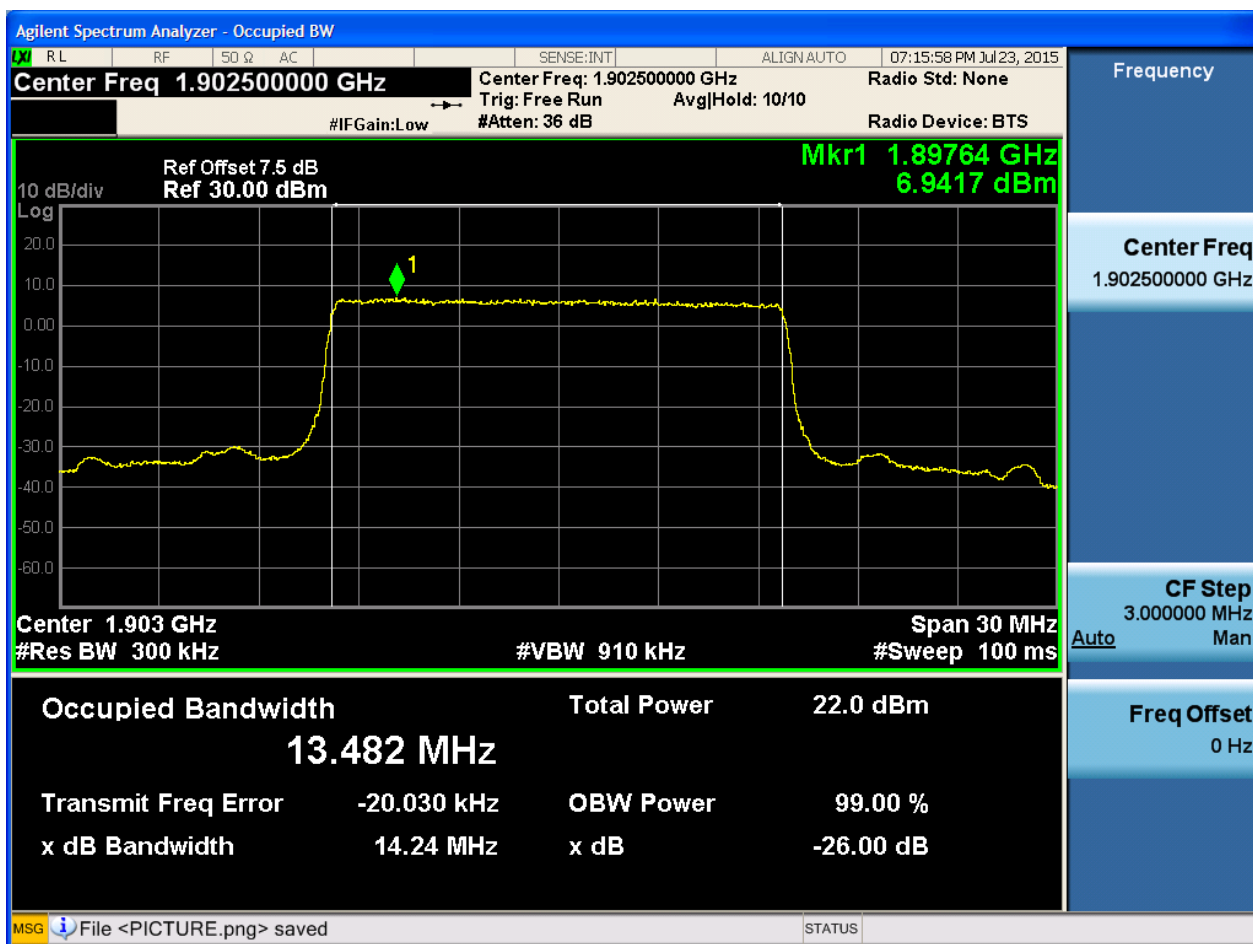
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

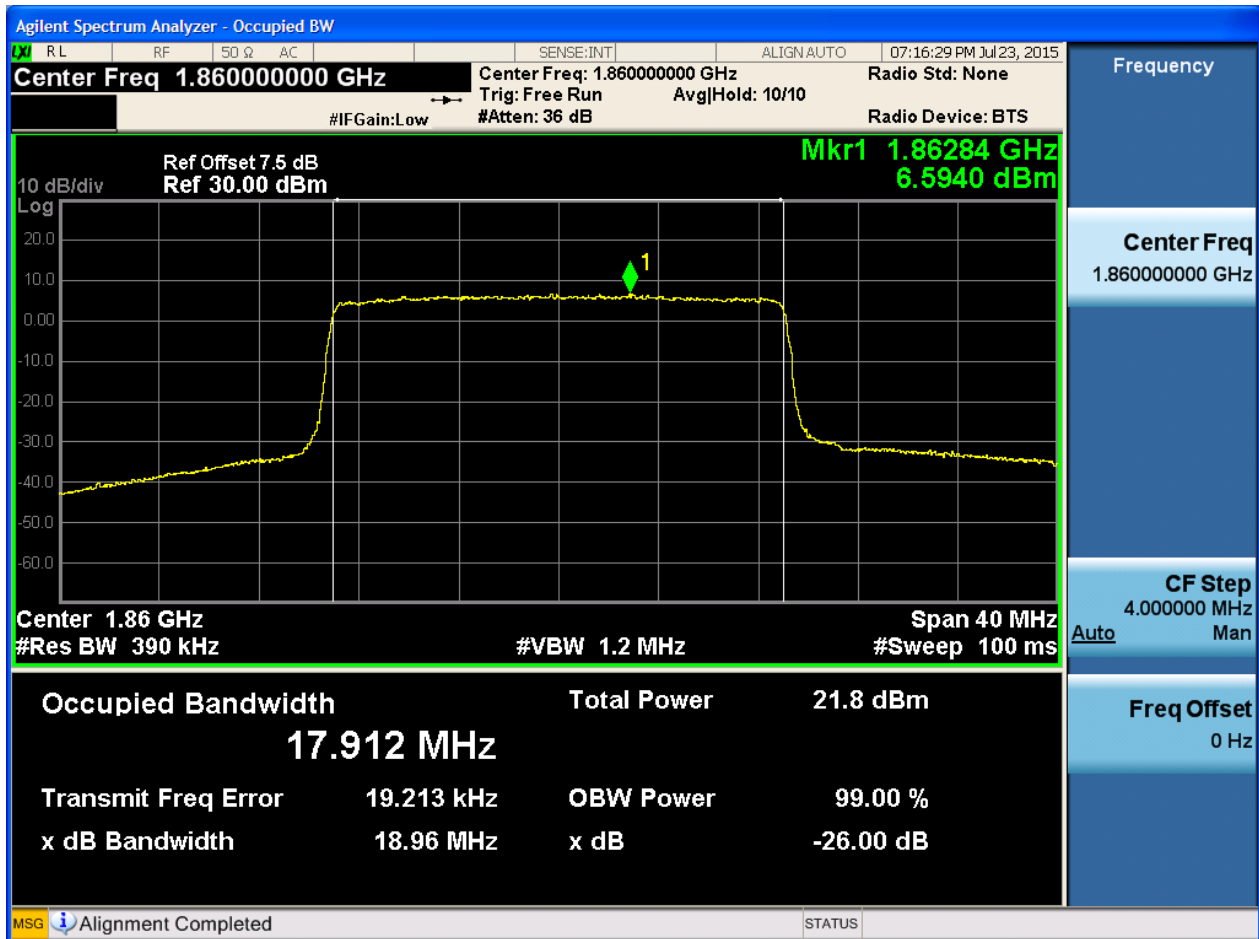




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

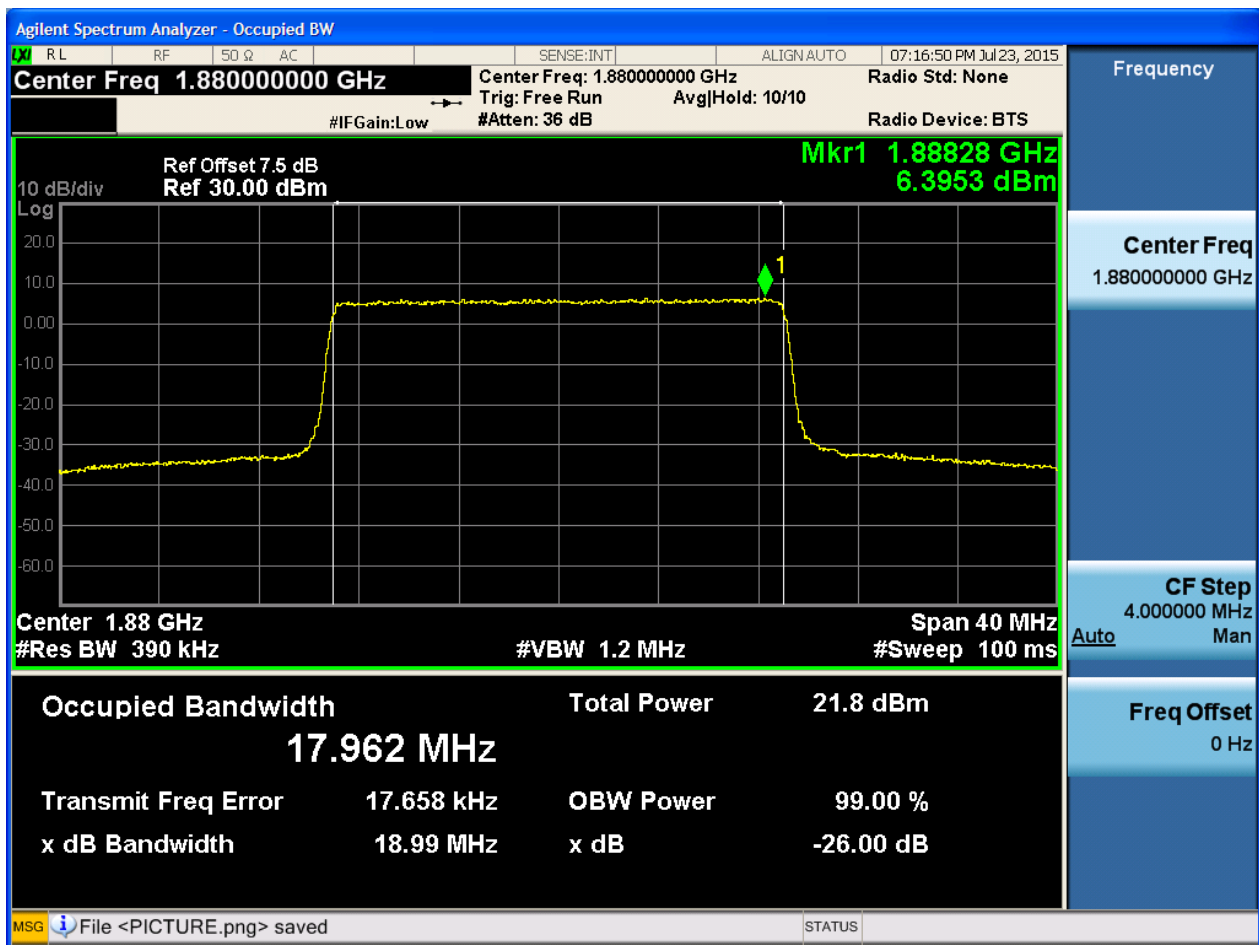
4.1.1.2.6.1.1 Test RB = RB100#0





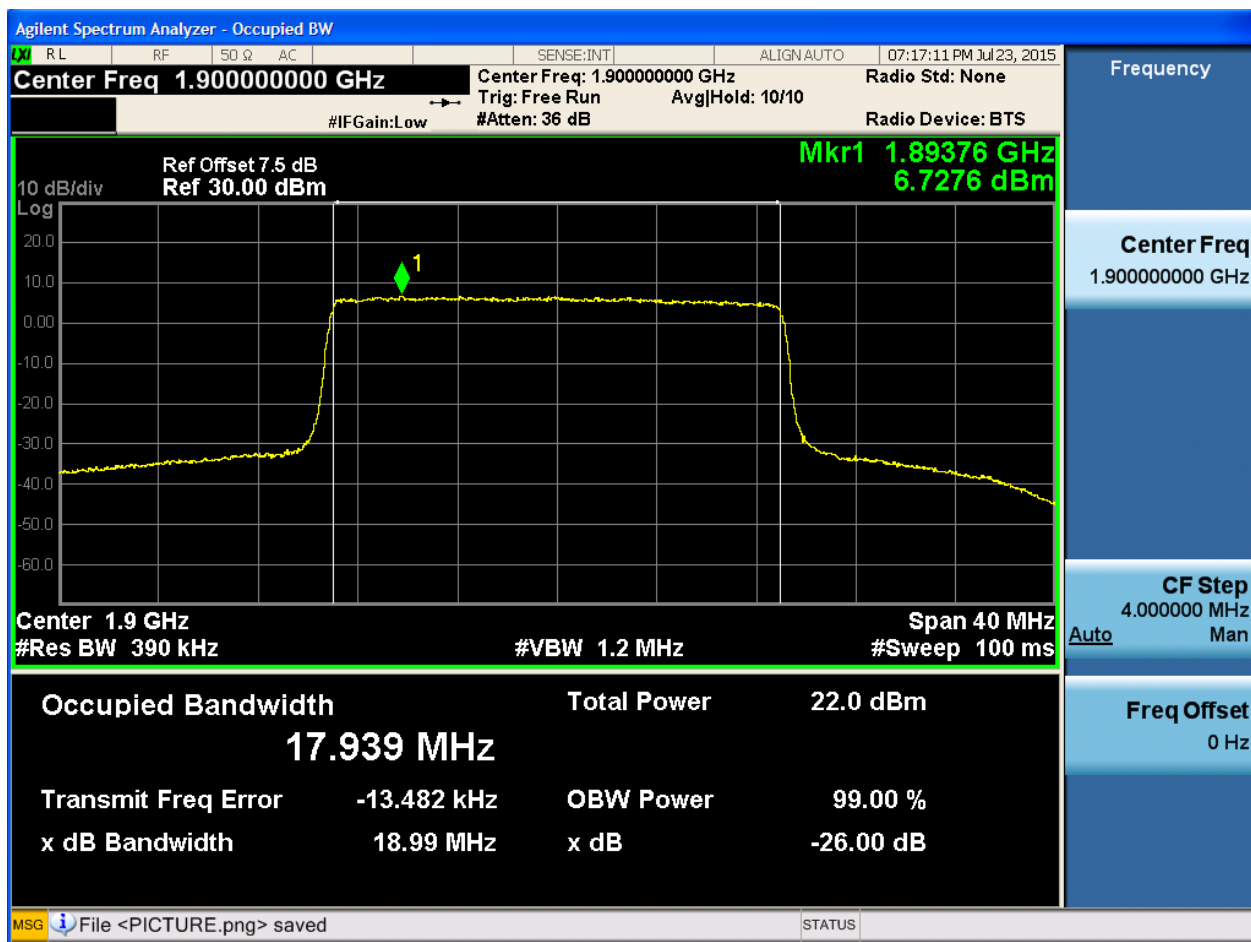
4.1.1.2.6.2 Test Channel = MCH

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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.850000000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.850 000 GHz
-49.472 dBm

Center 1.850000 GHz
#Res BW 15 kHz
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Trig: Free Run
#Atten: 36 dB

Avg Type: Pwr(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

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

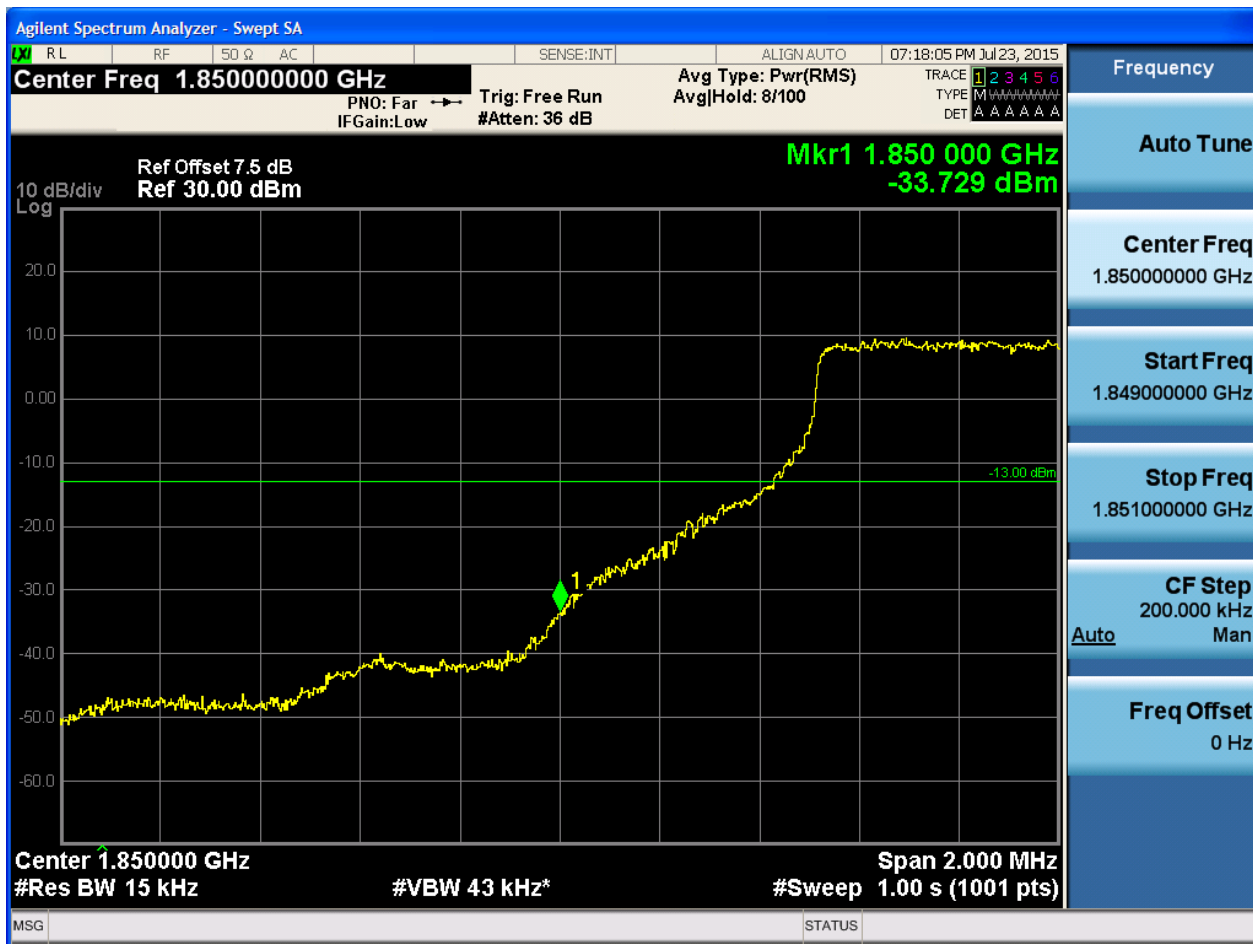
CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz



5.1.1.1.1.3 Test RB = RB3#2





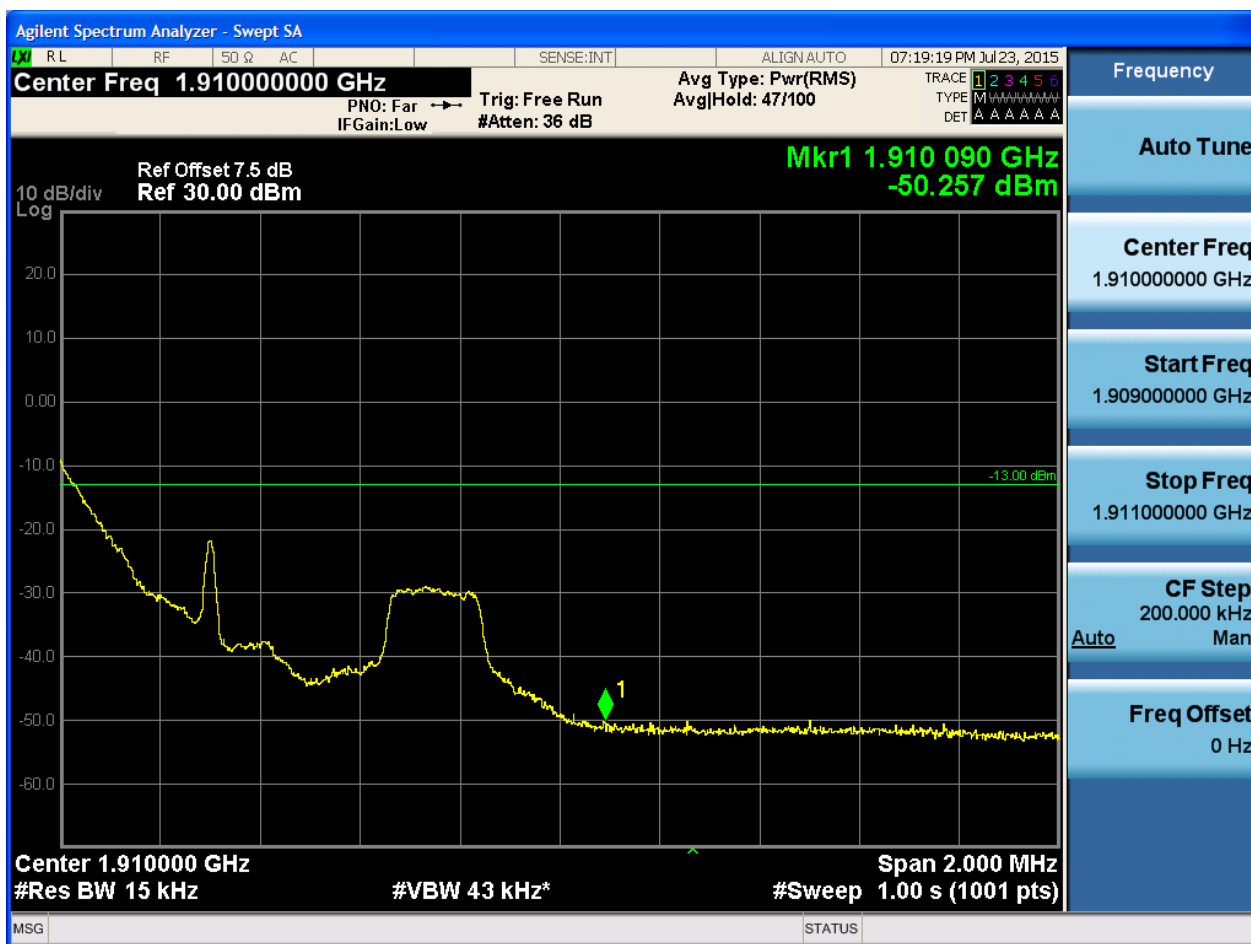
5.1.1.1.1.4 Test RB = RB6#0





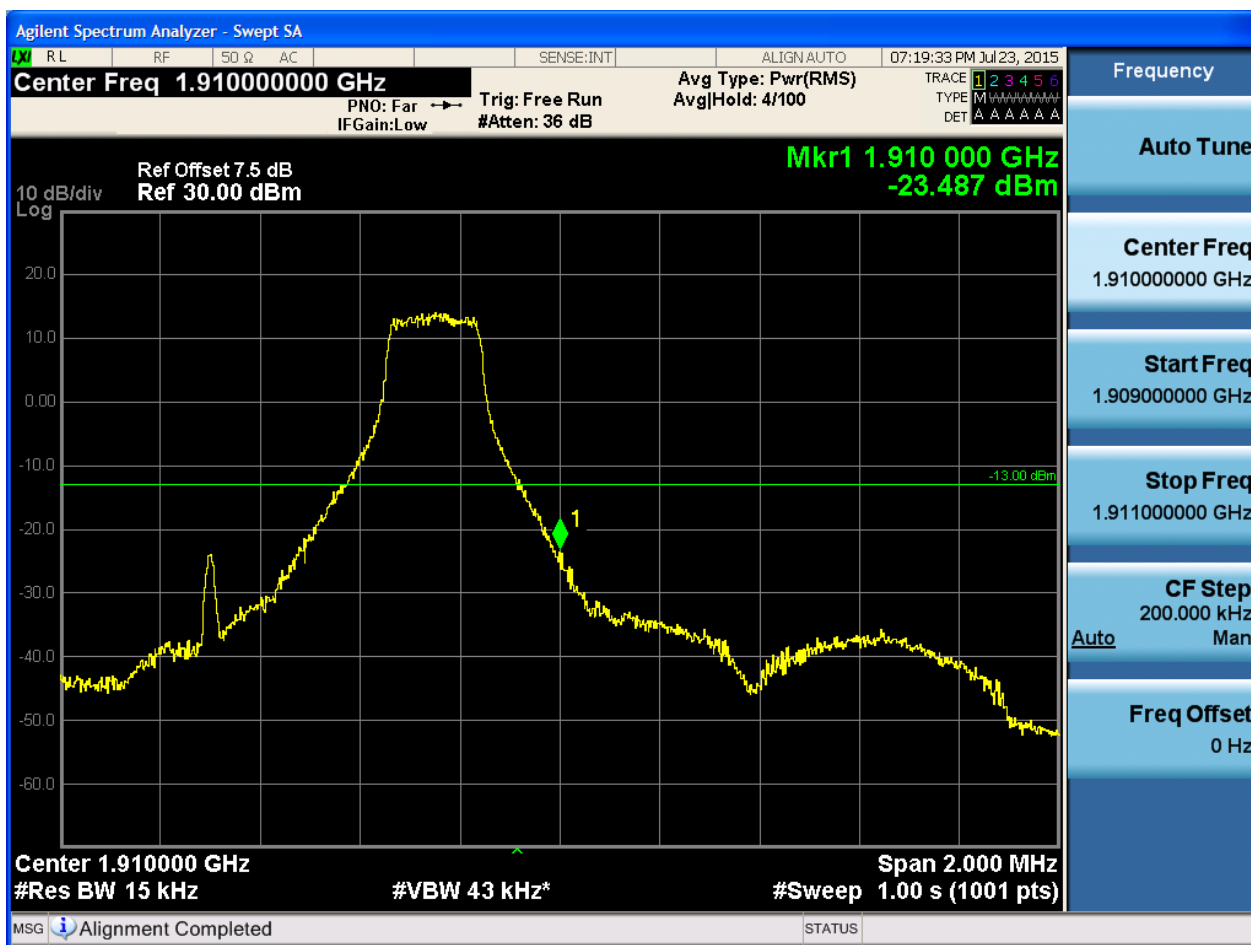
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.2.3 Test RB = RB3#2





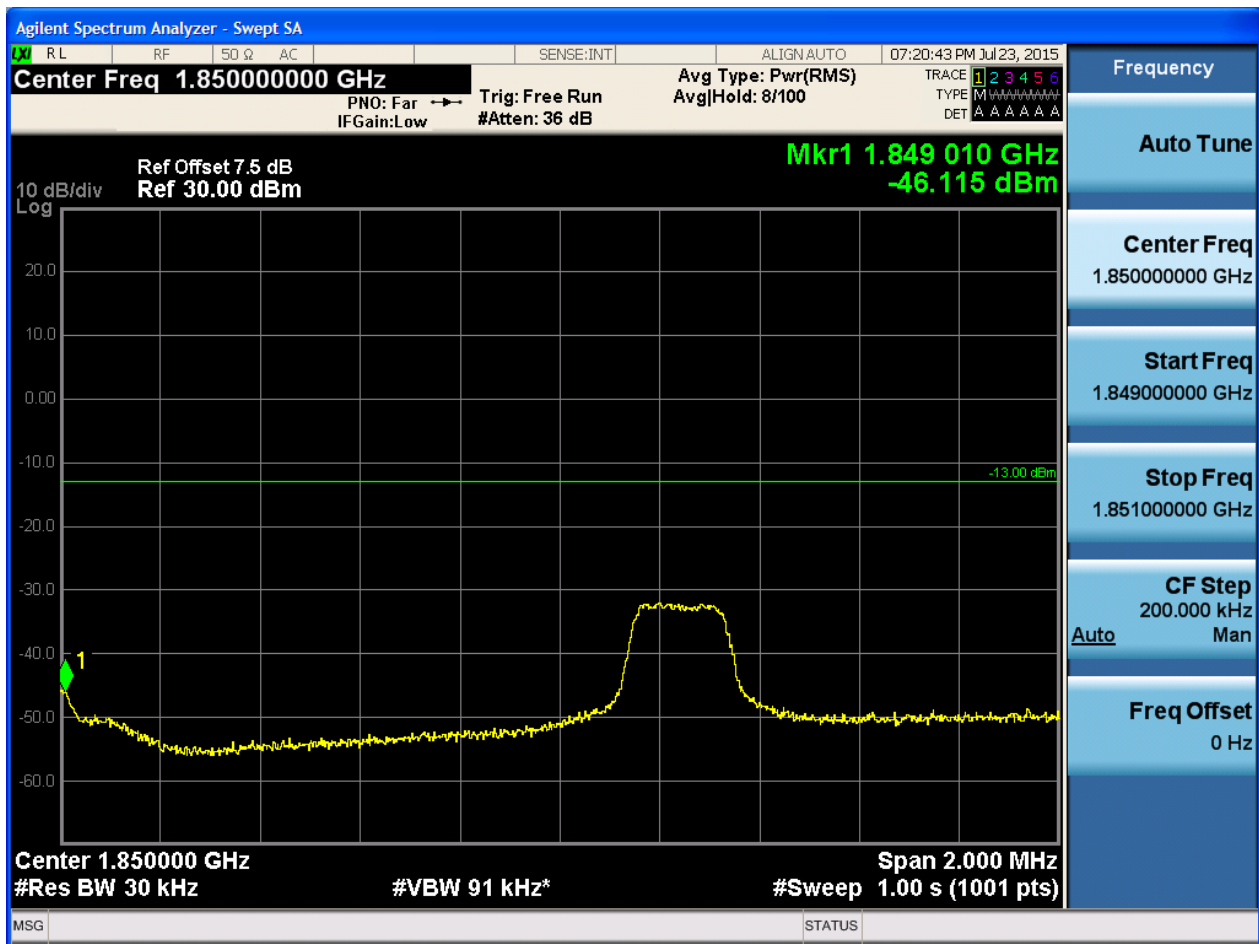
5.1.1.1.2.4 Test RB = RB6#0







5.1.1.1.2.1.2 Test RB = RB1#14



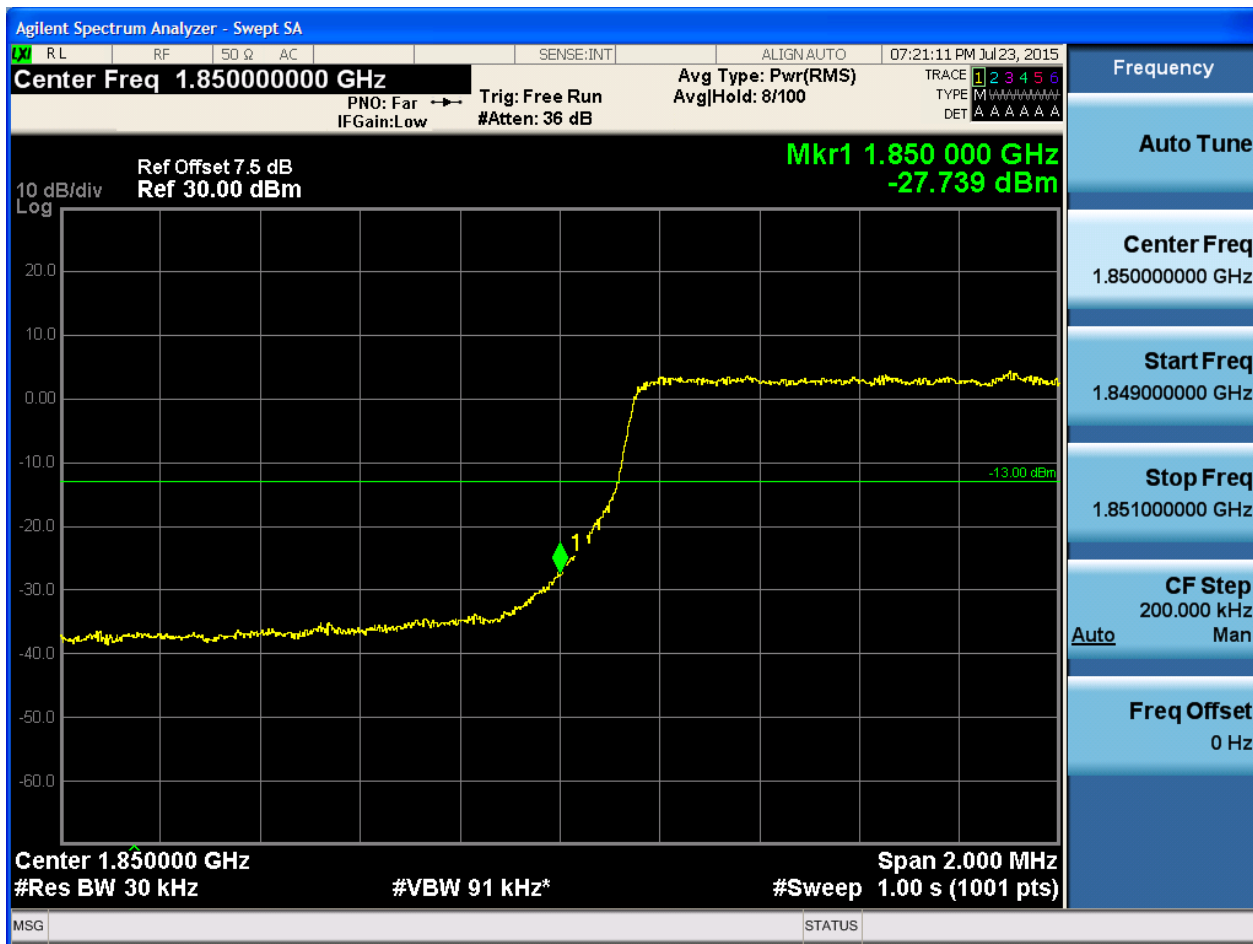


5.1.1.1.2.1.3 Test RB = RB8#4





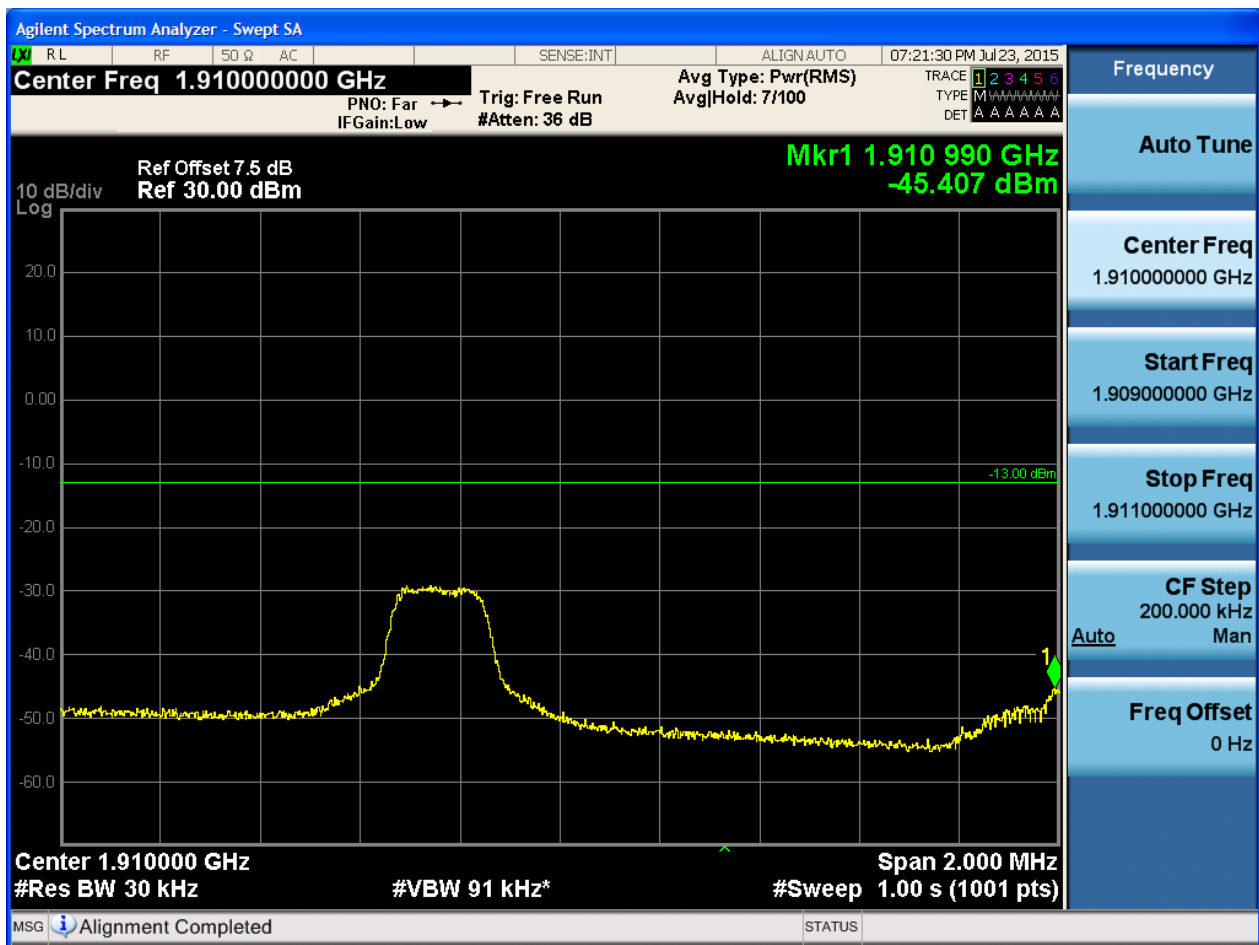
5.1.1.1.2.1.4 Test RB = RB15#0





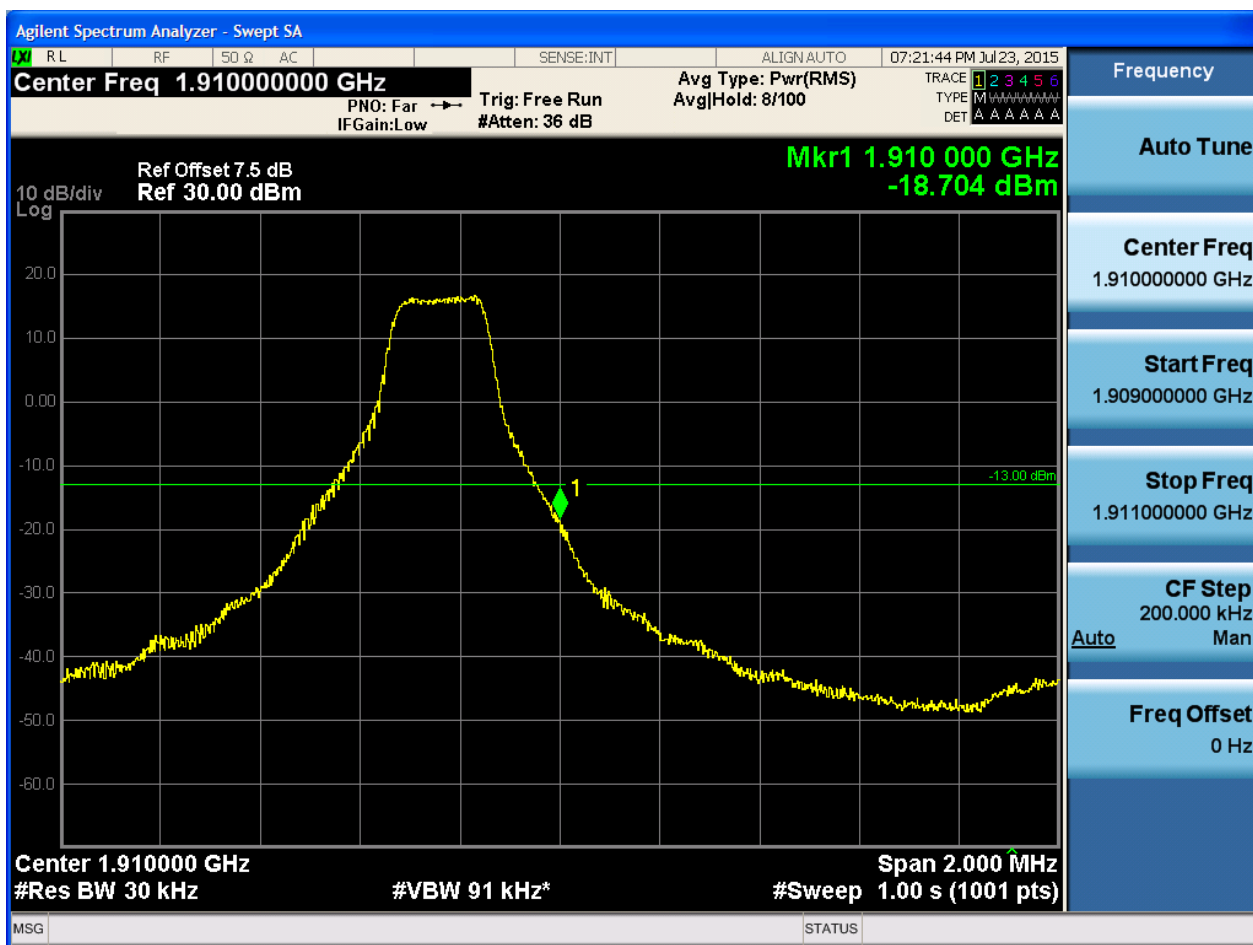
5.1.1.1.2.2 Test Channel = HCH

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





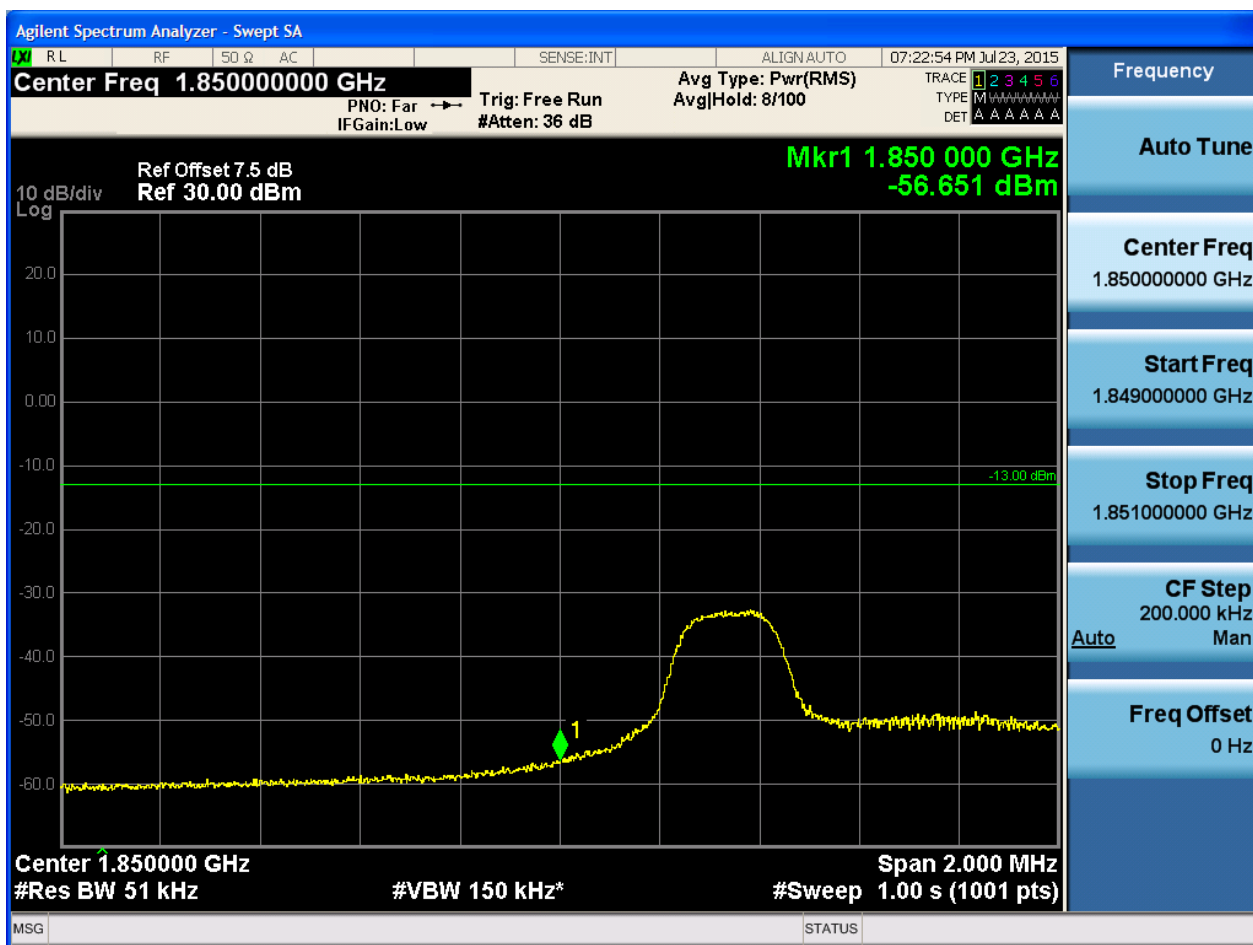
5.1.1.1.2.2.4 Test RB = RB15#0







5.1.1.1.3.1.2 Test RB = RB1#24





5.1.1.1.3.1.3 Test RB = RB12#6





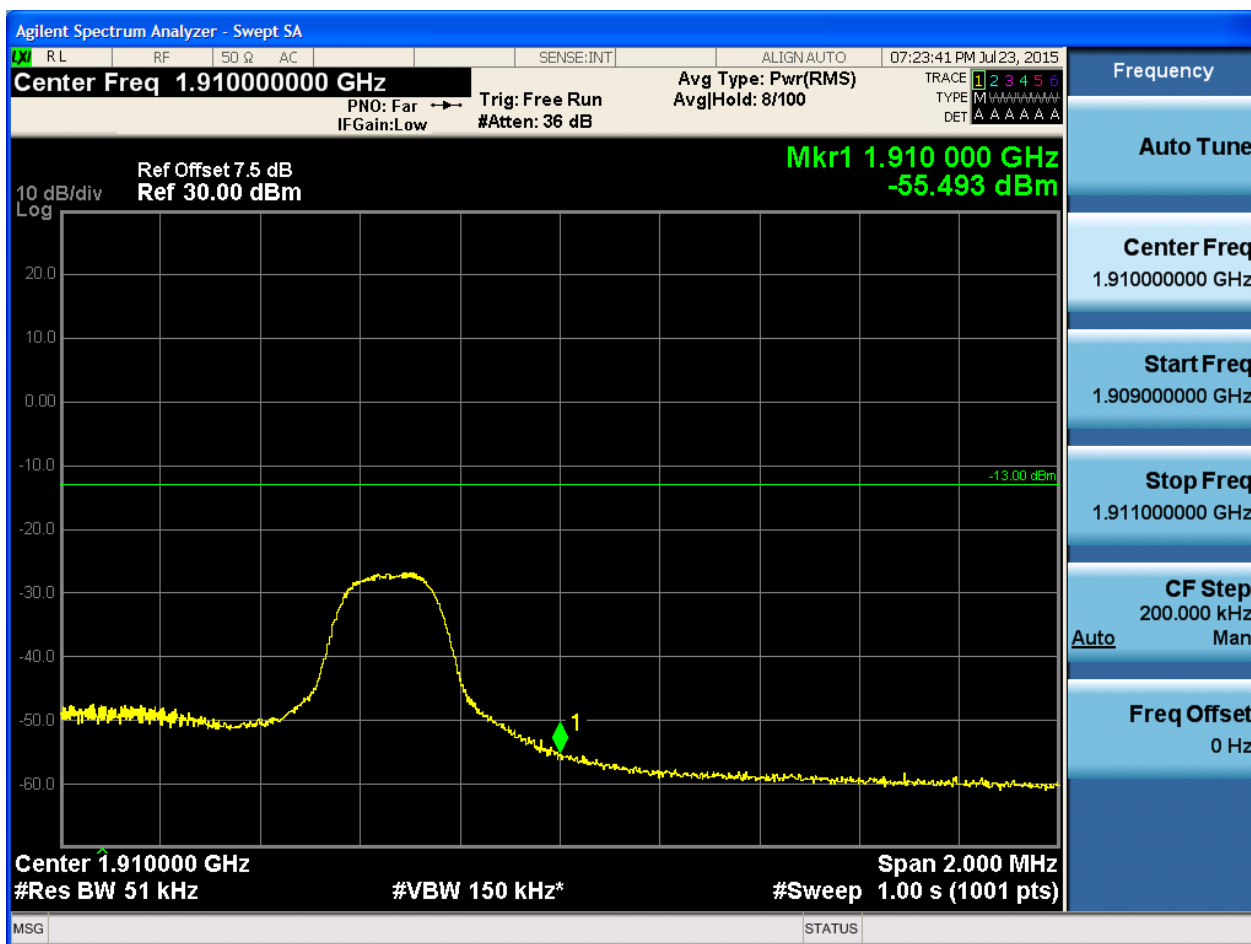
5.1.1.1.3.1.4 Test RB = RB25#0





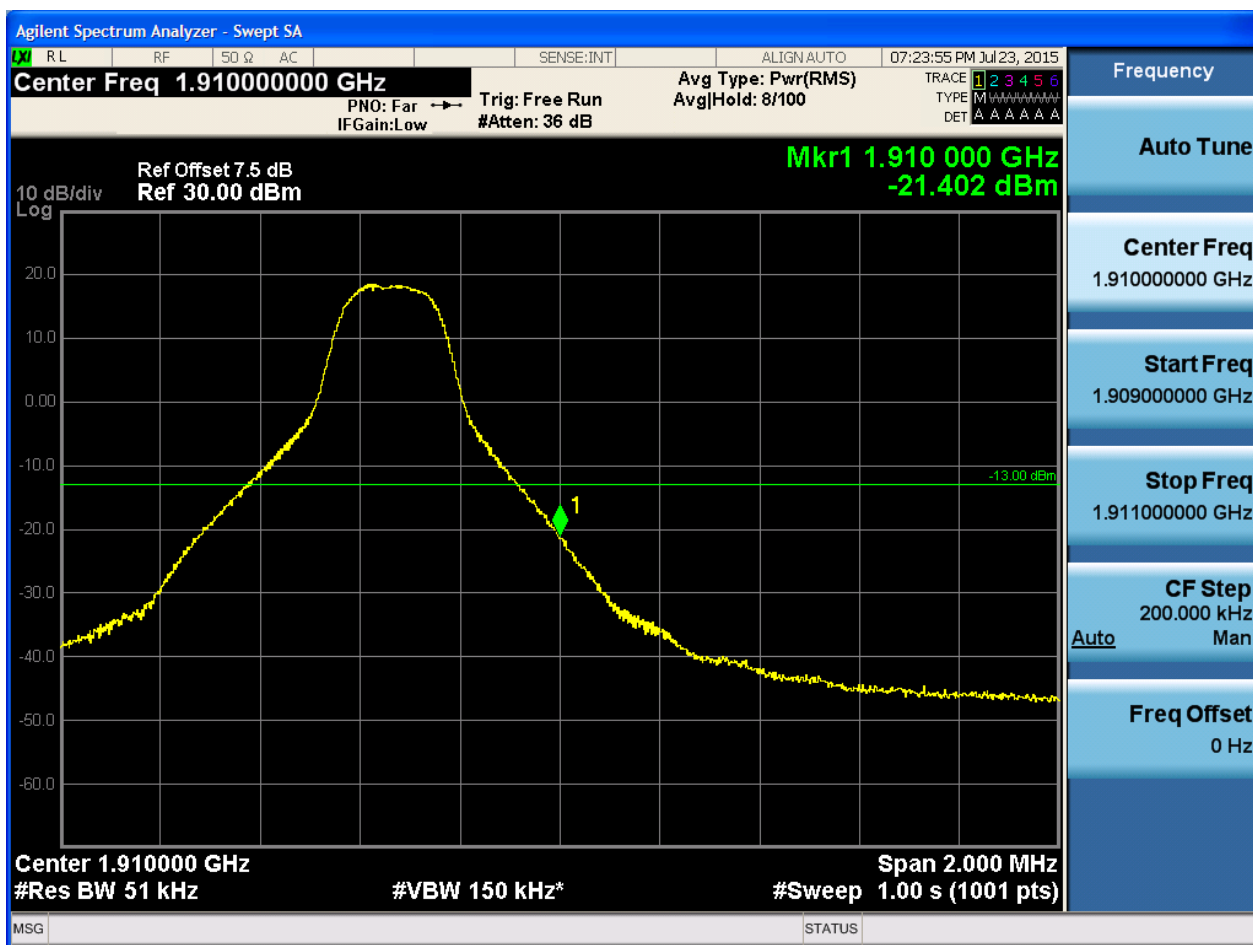
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





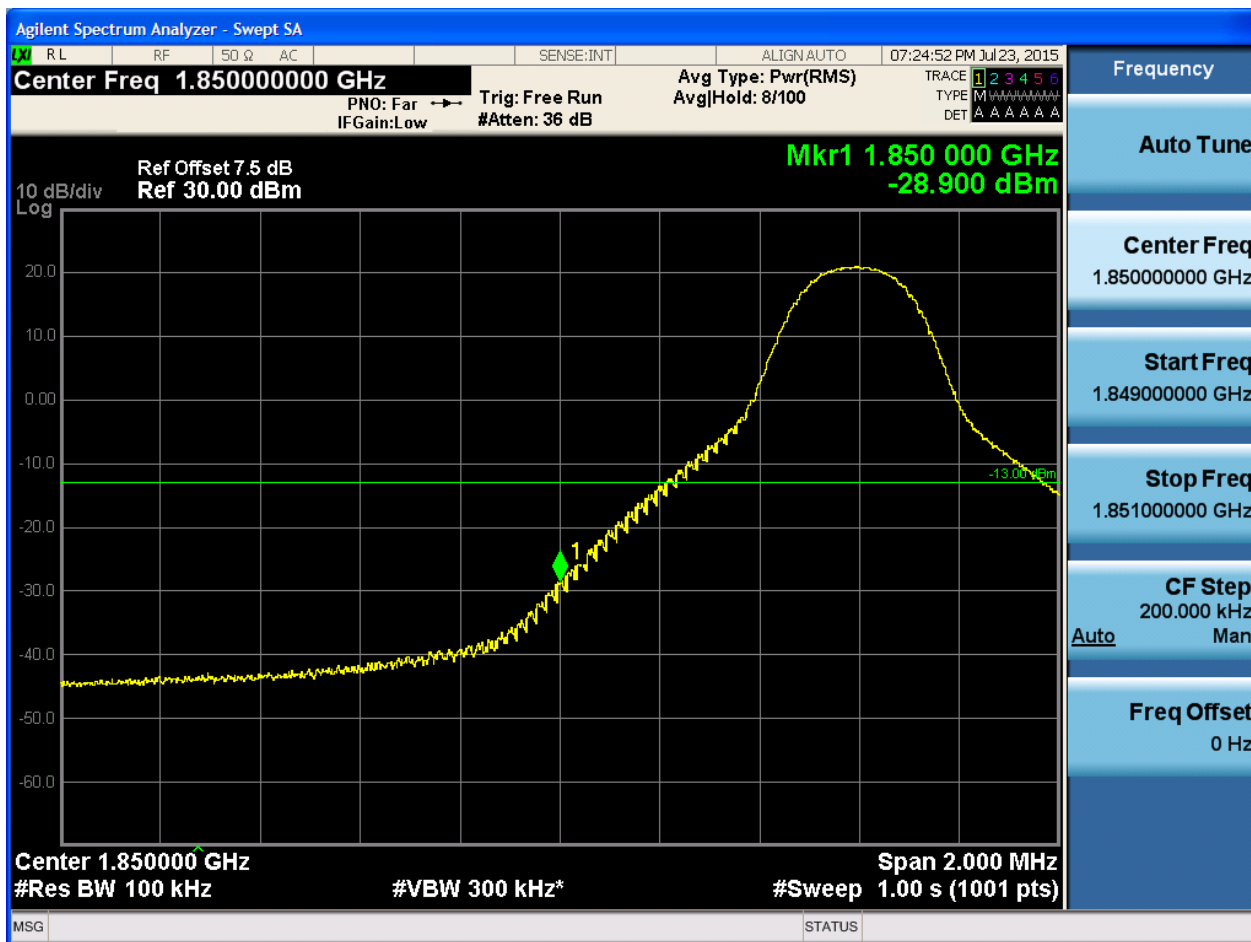
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

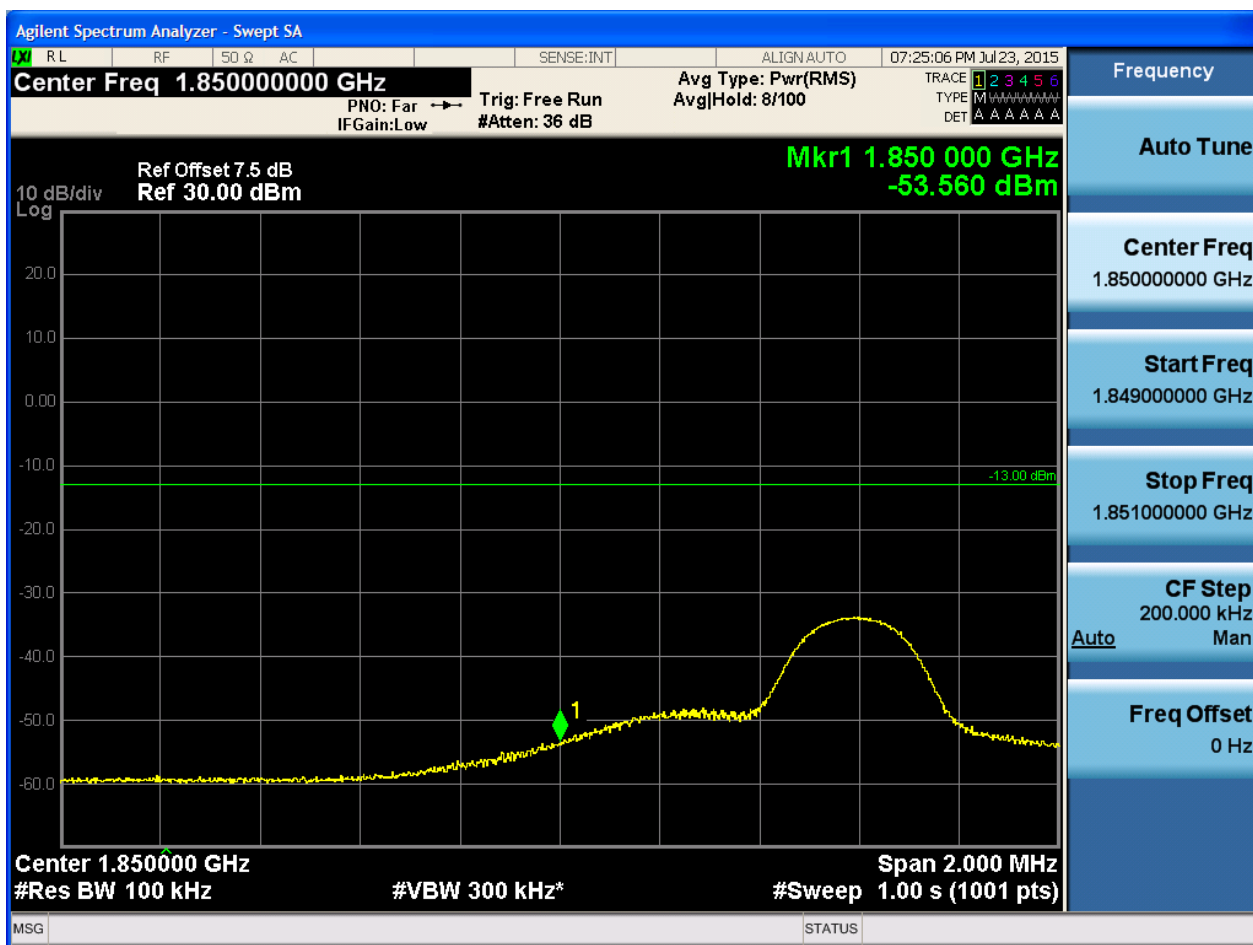
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





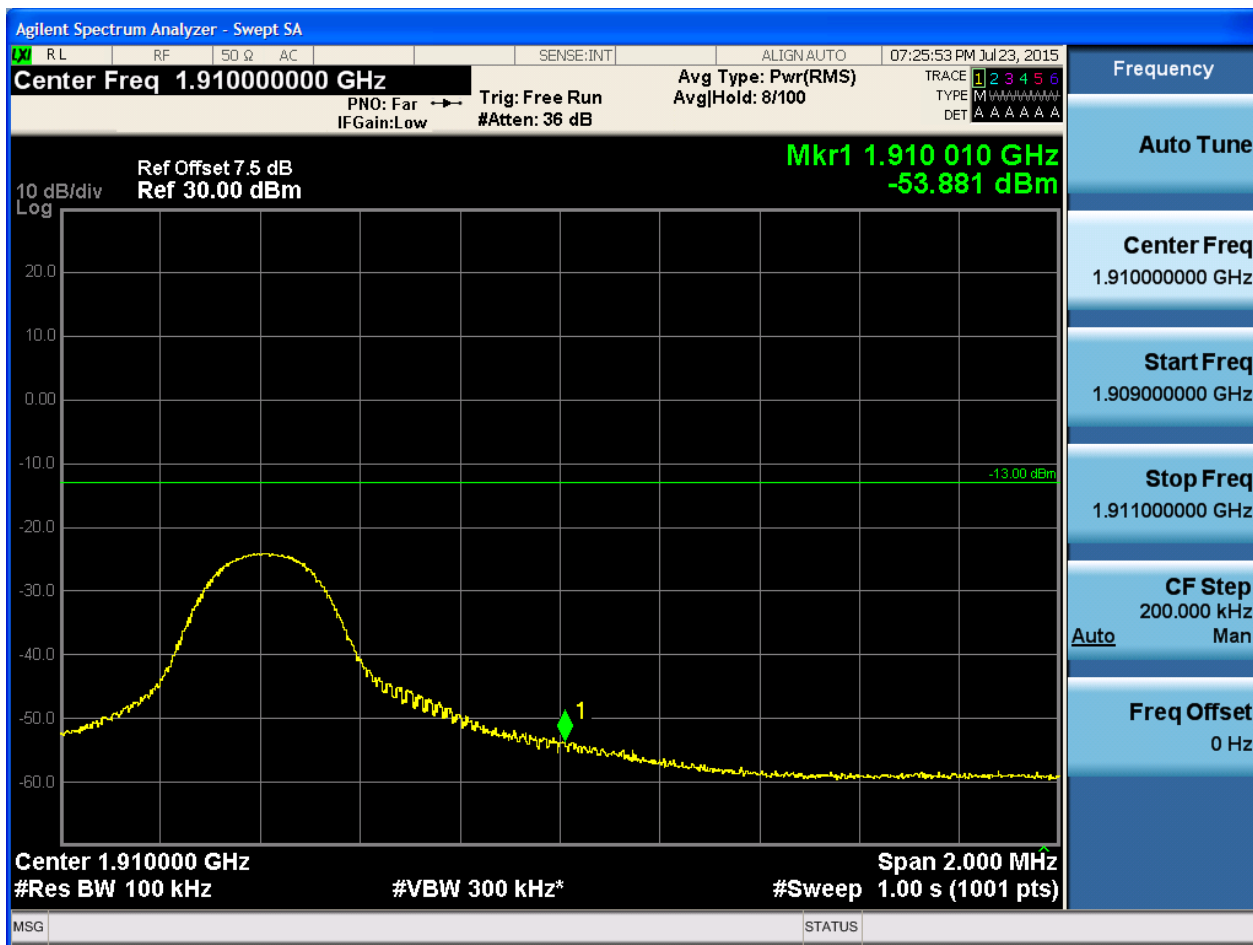
5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.910000000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-29.935 dBm

Trig: Free Run
#Atten: 36 dB

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

#Res BW 100 kHz
#VBW 300 kHz*

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.1.1.1.4.2.3 Test RB = RB25#13





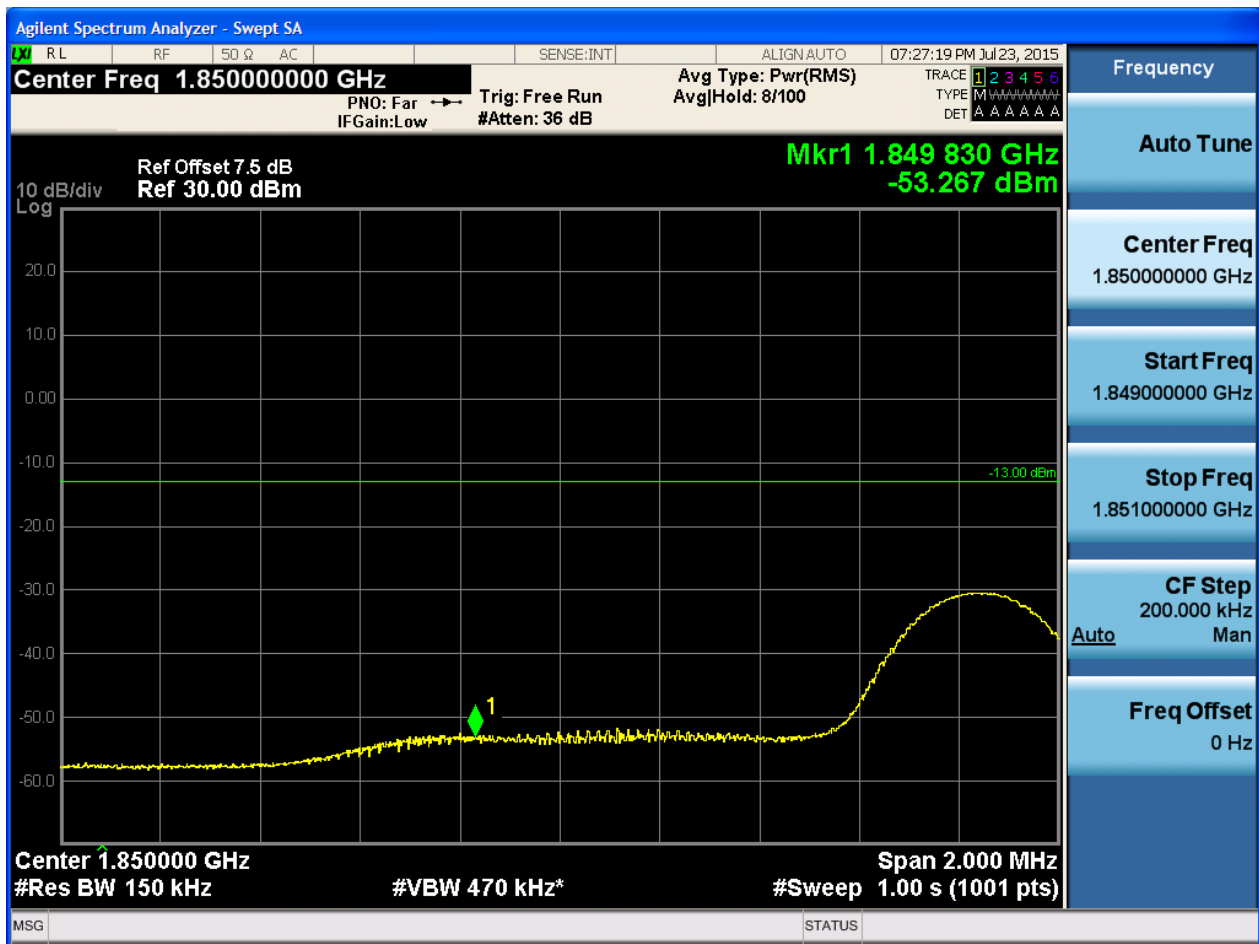
5.1.1.1.4.2.4 Test RB = RB50#0







5.1.1.1.5.1.2 Test RB = RB1#74





5.1.1.1.5.1.3 Test RB = RB38#19





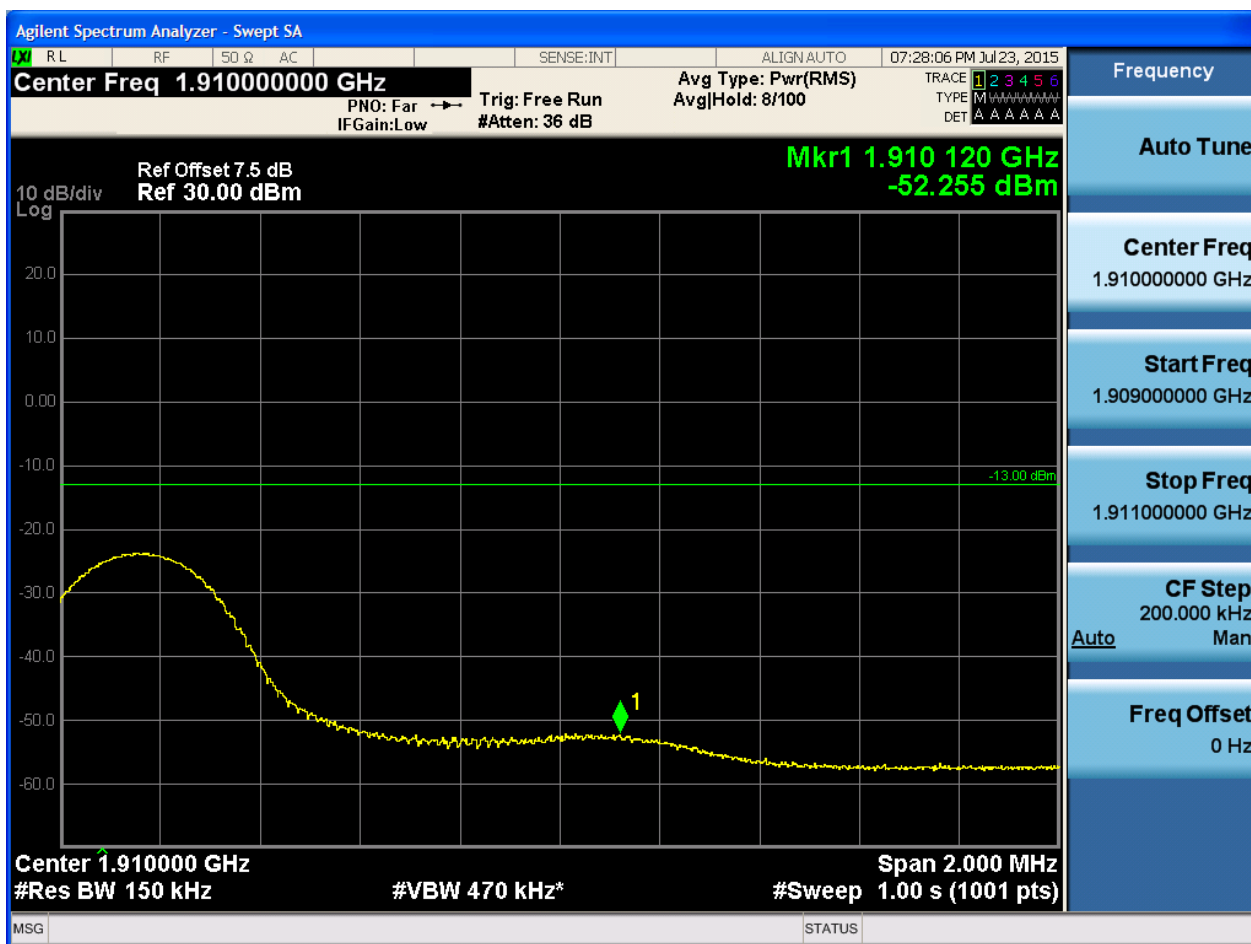
5.1.1.1.5.1.4 Test RB = RB75#0





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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

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

Avg Type: Pwr(RMS)
AvgHold: 7/100

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 7.5 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-34.534 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz
#Res BW 150 kHz

#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.00 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 <u>Man</u>
Freq Offset 0 Hz



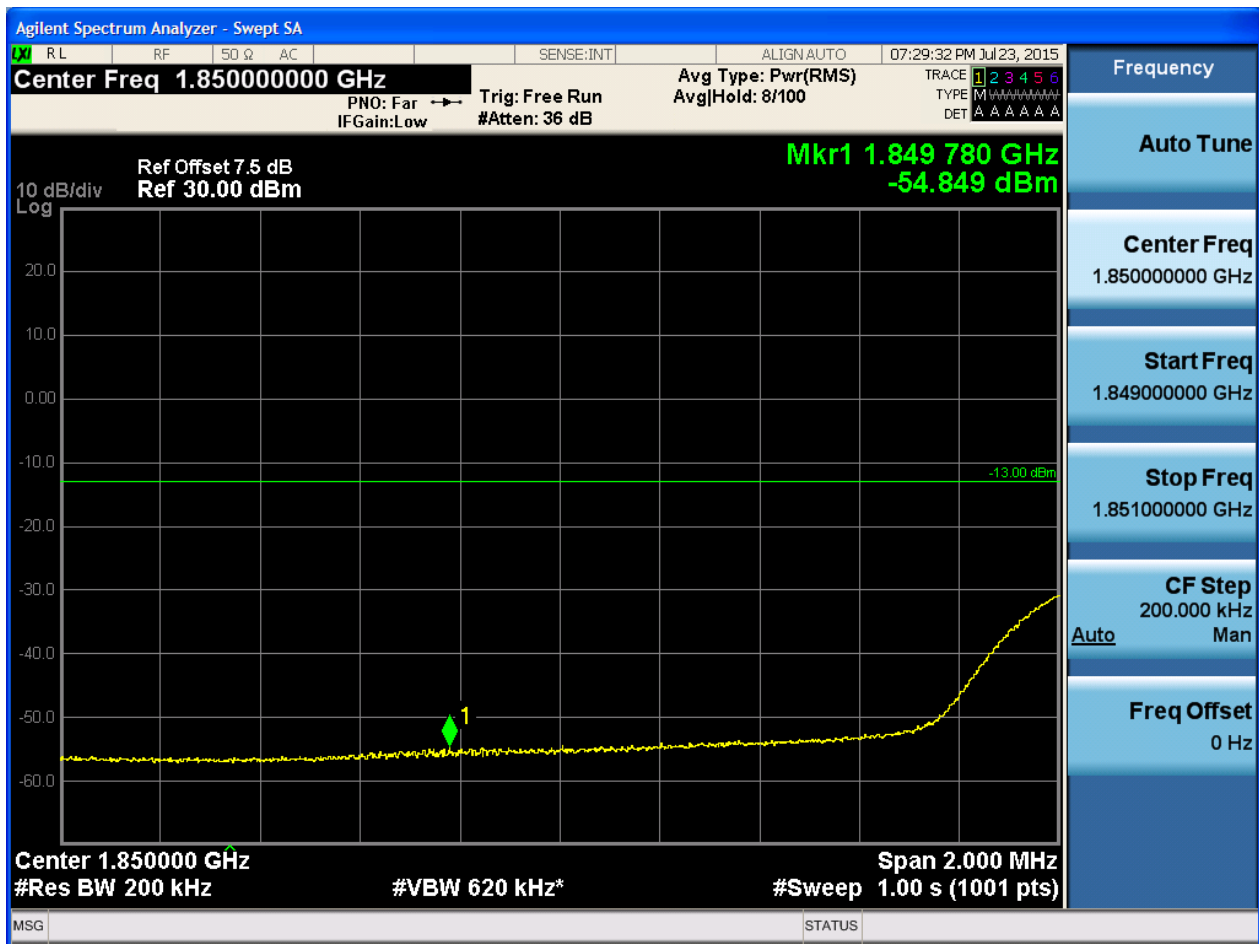
5.1.1.1.5.2.4 Test RB = RB75#0







5.1.1.1.6.1.2 Test RB = RB1#99





5.1.1.1.6.1.3 Test RB = RB50#25





5.1.1.1.6.1.4 Test RB = RB100#0





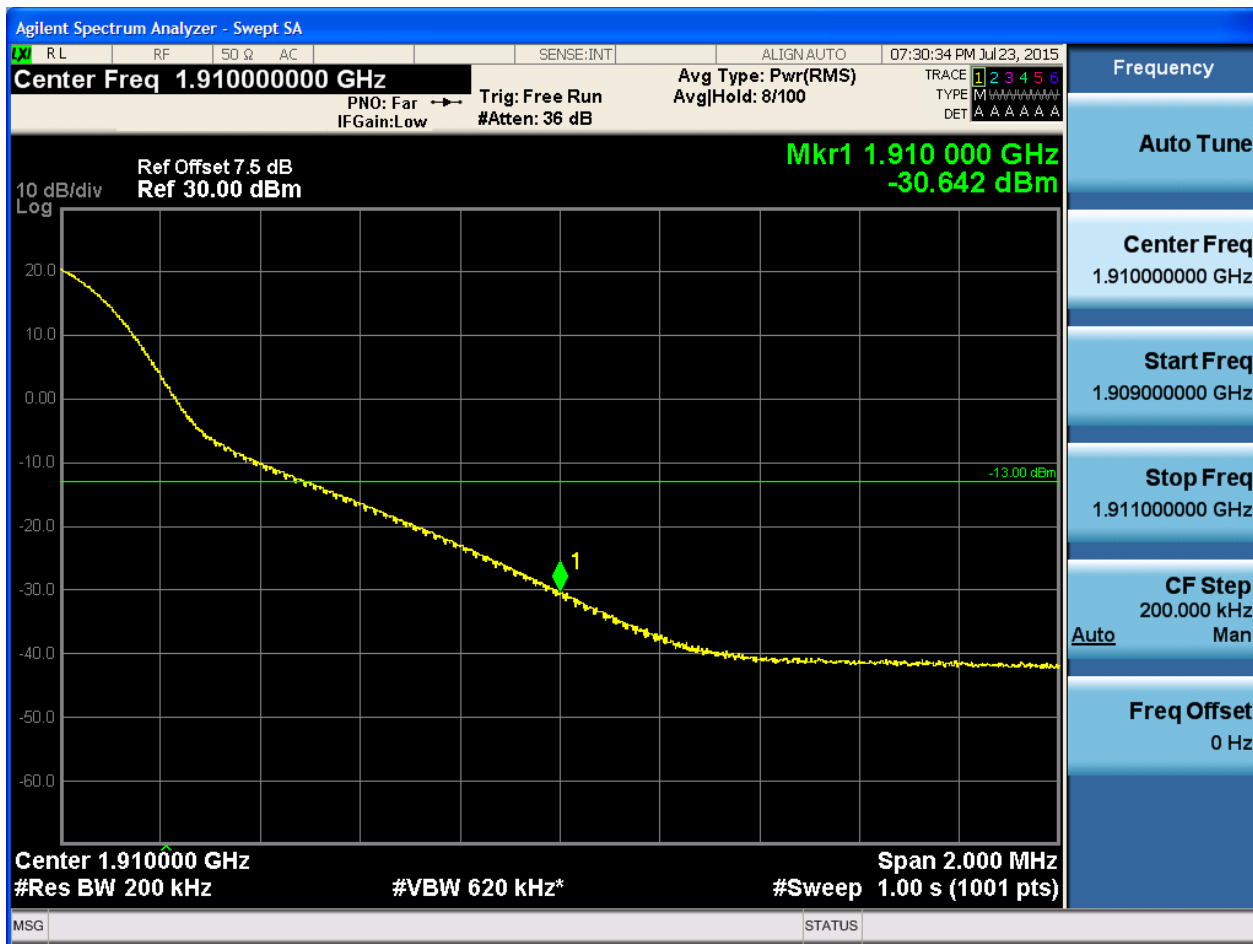
5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





5.1.1.1.6.2.2 Test RB = RB1#99





5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0







5.1.1.2.1.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2





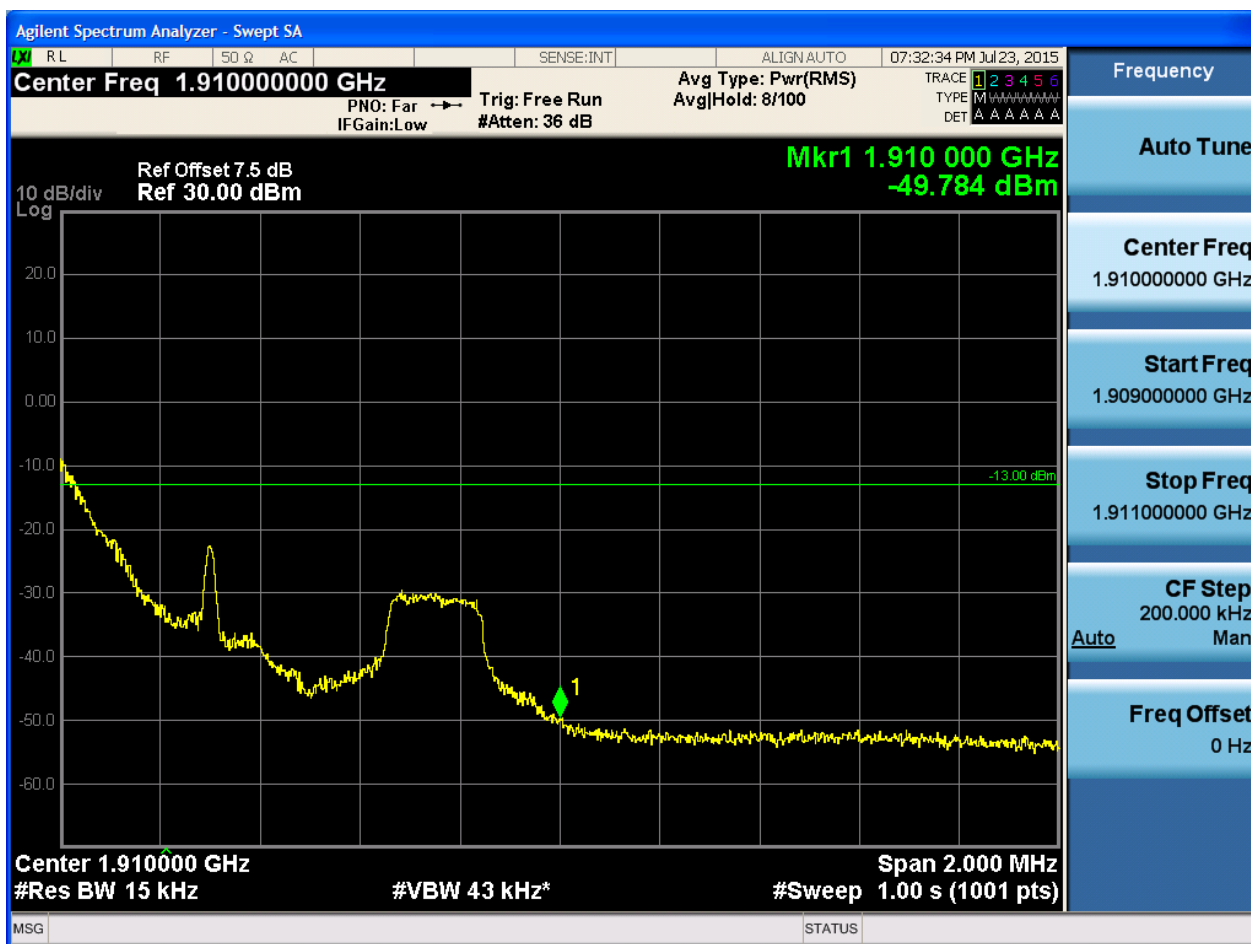
5.1.1.2.1.1.4 Test RB = RB6#0





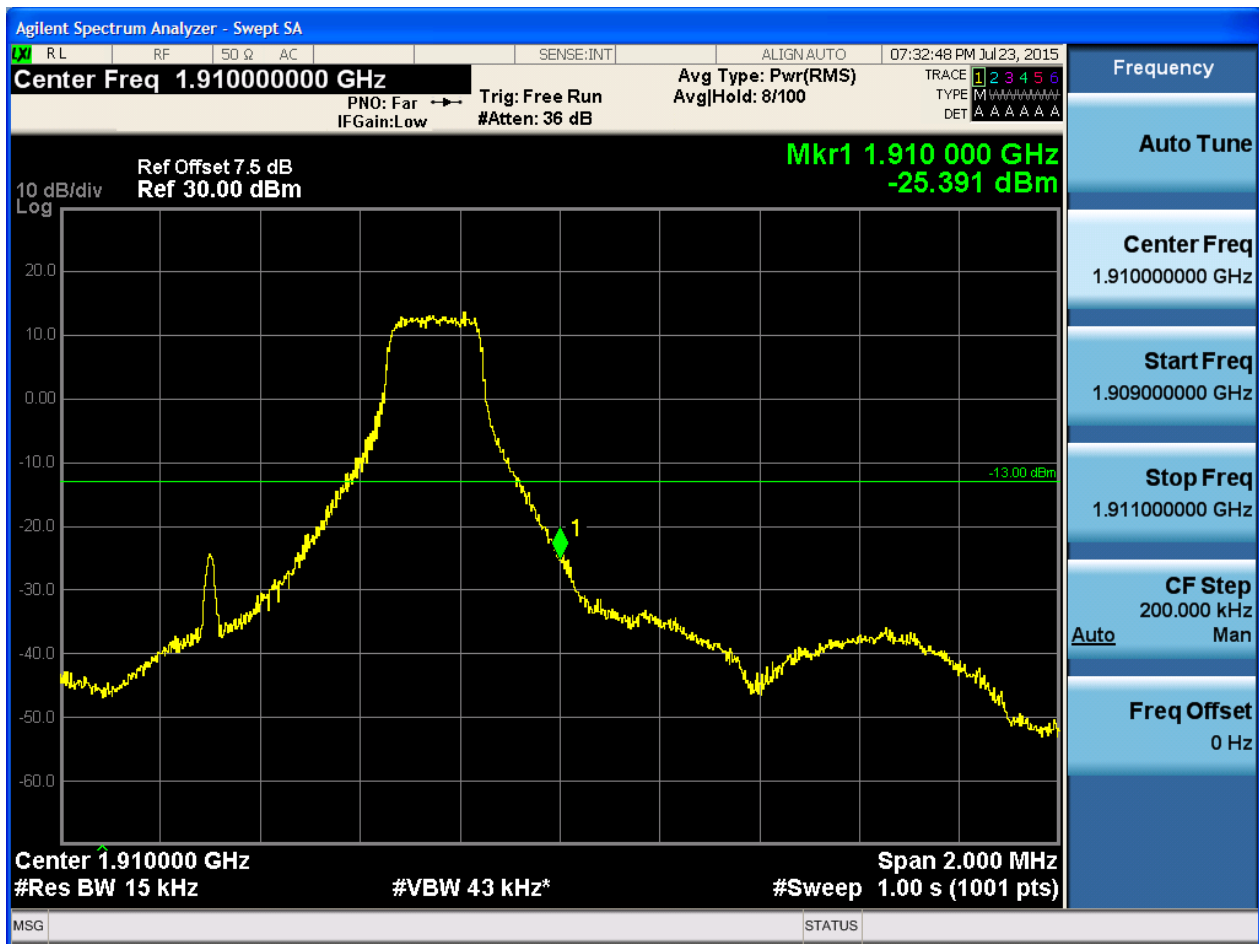
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





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







Agilent Spectrum Analyzer - Swept SA

Center Freq 1.850000000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

Mkr1 1.849 010 GHz
-46.637 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.00 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
Man

Freq Offset
0 Hz