



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
WCDMA1900	UMTS/TM1	LCH	22.92	25.42	33	PASS
		MCH	23.25	25.75	33	PASS
		HCH	23.23	25.73	33	PASS

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	22.76	25.26	33	PASS
				RB1#3	22.71	25.21	33	PASS
				RB1#5	22.8	25.3	33	PASS
				RB3#0	22.7	25.2	33	PASS
				RB3#2	22.8	25.3	33	PASS
				RB3#3	22.76	25.26	33	PASS
				RB6#0	21.94	24.44	33	PASS
			MCH	RB1#0	23.11	25.61	33	PASS
				RB1#3	23.2	25.7	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#5	23.12	25.62	33	PASS
				RB3#0	23.2	25.7	33	PASS
				RB3#2	23.23	25.73	33	PASS
				RB3#3	23.13	25.63	33	PASS
				RB6#0	22.22	24.72	33	PASS
			HCH	RB1#0	23.42	25.92	33	PASS
				RB1#3	23.26	25.76	33	PASS
				RB1#5	23.16	25.66	33	PASS
				RB3#0	23.36	25.86	33	PASS
				RB3#2	23.29	25.79	33	PASS
				RB3#3	23.28	25.78	33	PASS
				RB6#0	22.34	24.84	33	PASS
		3	LCH	RB1#0	22.67	25.17	33	PASS
				RB1#7	22.83	25.33	33	PASS
				RB1#14	22.89	25.39	33	PASS
				RB8#0	21.89	24.39	33	PASS
				RB8#4	22	24.5	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	22.04	24.54	33	PASS
				RB15#0	21.91	24.41	33	PASS
			MCH	RB1#0	23.13	25.63	33	PASS
				RB1#7	23.13	25.63	33	PASS
				RB1#14	22.98	25.48	33	PASS
				RB8#0	22.24	24.74	33	PASS
				RB8#4	22.17	24.67	33	PASS
				RB8#7	22.31	24.81	33	PASS
				RB15#0	22.28	24.78	33	PASS
			HCH	RB1#0	23.57	26.07	33	PASS
				RB1#7	23.4	25.9	33	PASS
				RB1#14	23.2	25.7	33	PASS
				RB8#0	22.62	25.12	33	PASS
				RB8#4	22.42	24.92	33	PASS
				RB8#7	22.31	24.81	33	PASS
				RB15#0	22.38	24.88	33	PASS
		5	LCH	RB1#0	22.73	25.23	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.85	25.35	33	PASS
				RB1#24	22.76	25.26	33	PASS
				RB12#0	21.94	24.44	33	PASS
				RB12#6	21.99	24.49	33	PASS
				RB12#13	22	24.5	33	PASS
				RB25#0	22.01	24.51	33	PASS
			MCH	RB1#0	23.01	25.51	33	PASS
				RB1#13	23.15	25.65	33	PASS
				RB1#24	23.13	25.63	33	PASS
				RB12#0	22.35	24.85	33	PASS
				RB12#6	22.36	24.86	33	PASS
				RB12#13	22.29	24.79	33	PASS
				RB25#0	22.32	24.82	33	PASS
			HCH	RB1#0	23.44	25.94	33	PASS
				RB1#13	23.53	26.03	33	PASS
				RB1#24	23.18	25.68	33	PASS
				RB12#0	22.56	25.06	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#6	22.61	25.11	33	PASS
				RB12#13	22.46	24.96	33	PASS
				RB25#0	22.54	25.04	33	PASS
		10	LCH	RB1#0	22.99	25.49	33	PASS
				RB1#25	23.1	25.6	33	PASS
				RB1#49	23.18	25.68	33	PASS
				RB25#0	22.22	24.72	33	PASS
				RB25#13	22.13	24.63	33	PASS
				RB25#25	22.2	24.7	33	PASS
				RB50#0	22.18	24.68	33	PASS
			MCH	RB1#0	23	25.5	33	PASS
				RB1#25	23.17	25.67	33	PASS
				RB1#49	23.15	25.65	33	PASS
				RB25#0	22.24	24.74	33	PASS
				RB25#13	22.24	24.74	33	PASS
				RB25#25	22.22	24.72	33	PASS
				RB50#0	22.16	24.66	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.19	25.69	33	PASS
				RB1#25	23.35	25.85	33	PASS
				RB1#49	23.16	25.66	33	PASS
				RB25#0	22.43	24.93	33	PASS
				RB25#13	22.45	24.95	33	PASS
				RB25#25	22.47	24.97	33	PASS
				RB50#0	22.44	24.94	33	PASS
		15	LCH	RB1#0	22.9	25.4	33	PASS
				RB1#38	22.98	25.48	33	PASS
				RB1#74	23.06	25.56	33	PASS
				RB38#0	22.13	24.63	33	PASS
				RB38#19	22.14	24.64	33	PASS
				RB38#39	22.1	24.6	33	PASS
				RB75#0	22.16	24.66	33	PASS
			MCH	RB1#0	23.22	25.72	33	PASS
				RB1#38	23.19	25.69	33	PASS
				RB1#74	23.08	25.58	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#0	22.21	24.71	33	PASS
				RB38#19	22.19	24.69	33	PASS
				RB38#39	22.22	24.72	33	PASS
				RB75#0	22.22	24.72	33	PASS
			HCH	RB1#0	23.26	25.76	33	PASS
				RB1#38	23.18	25.68	33	PASS
				RB1#74	23.15	25.65	33	PASS
				RB38#0	22.26	24.76	33	PASS
				RB38#19	22.27	24.77	33	PASS
				RB38#39	22.48	24.98	33	PASS
				RB75#0	22.38	24.88	33	PASS
		20	LCH	RB1#0	22.93	25.43	33	PASS
				RB1#50	23.04	25.54	33	PASS
				RB1#99	23.2	25.7	33	PASS
				RB50#0	22.04	24.54	33	PASS
				RB50#25	22.06	24.56	33	PASS
				RB50#50	22.22	24.72	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	22.12	24.62	33	PASS
			MCH	RB1#0	23.28	25.78	33	PASS
				RB1#50	23.16	25.66	33	PASS
				RB1#99	23.02	25.52	33	PASS
				RB50#0	22.25	24.75	33	PASS
				RB50#25	22.2	24.7	33	PASS
				RB50#50	22.18	24.68	33	PASS
				RB100#0	22.22	24.72	33	PASS
			HCH	RB1#0	23.12	25.62	33	PASS
				RB1#50	23.13	25.63	33	PASS
				RB1#99	23.25	25.75	33	PASS
				RB50#0	22.25	24.75	33	PASS
				RB50#25	22.22	24.72	33	PASS
				RB50#50	22.44	24.94	33	PASS
				RB100#0	22.37	24.87	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.9	24.4	33	PASS
				RB1#3	21.99	24.49	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#5	22.07	24.57	33	PASS
				RB3#0	21.99	24.49	33	PASS
				RB3#2	22.02	24.52	33	PASS
				RB3#3	21.96	24.46	33	PASS
				RB6#0	21.23	23.73	33	PASS
			MCH	RB1#0	22.28	24.78	33	PASS
				RB1#3	22.27	24.77	33	PASS
				RB1#5	22.26	24.76	33	PASS
				RB3#0	22.26	24.76	33	PASS
				RB3#2	22.21	24.71	33	PASS
				RB3#3	22.2	24.7	33	PASS
				RB6#0	21.45	23.95	33	PASS
			HCH	RB1#0	22.22	24.72	33	PASS
				RB1#3	22.14	24.64	33	PASS
				RB1#5	22.06	24.56	33	PASS
				RB3#0	22.15	24.65	33	PASS
				RB3#2	22.11	24.61	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#3	22.03	24.53	33	PASS
				RB6#0	21.27	23.77	33	PASS
		3	LCH	RB1#0	22.08	24.58	33	PASS
				RB1#7	22.18	24.68	33	PASS
				RB1#14	22.16	24.66	33	PASS
				RB8#0	21.15	23.65	33	PASS
				RB8#4	21.28	23.78	33	PASS
				RB8#7	21.25	23.75	33	PASS
				RB15#0	21.25	23.75	33	PASS
			MCH	RB1#0	22.37	24.87	33	PASS
				RB1#7	22.37	24.87	33	PASS
				RB1#14	22.3	24.8	33	PASS
				RB8#0	21.42	23.92	33	PASS
				RB8#4	21.51	24.01	33	PASS
				RB8#7	21.38	23.88	33	PASS
				RB15#0	21.38	23.88	33	PASS
			HCH	RB1#0	22.32	24.82	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#7	22.19	24.69	33	PASS
				RB1#14	22.04	24.54	33	PASS
				RB8#0	21.68	24.18	33	PASS
				RB8#4	21.57	24.07	33	PASS
				RB8#7	21.51	24.01	33	PASS
				RB15#0	21.6	24.1	33	PASS
		5	LCH	RB1#0	21.75	24.25	33	PASS
				RB1#13	21.94	24.44	33	PASS
				RB1#24	21.93	24.43	33	PASS
				RB12#0	21.28	23.78	33	PASS
				RB12#6	21.31	23.81	33	PASS
				RB12#13	21.35	23.85	33	PASS
				RB25#0	21.28	23.78	33	PASS
			MCH	RB1#0	21.92	24.42	33	PASS
				RB1#13	22.09	24.59	33	PASS
				RB1#24	21.92	24.42	33	PASS
				RB12#0	21.4	23.9	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#6	21.44	23.94	33	PASS
				RB12#13	21.33	23.83	33	PASS
				RB25#0	21.38	23.88	33	PASS
			HCH	RB1#0	22.43	24.93	33	PASS
				RB1#13	22.46	24.96	33	PASS
				RB1#24	22.13	24.63	33	PASS
				RB12#0	21.74	24.24	33	PASS
				RB12#6	21.67	24.17	33	PASS
				RB12#13	21.48	23.98	33	PASS
				RB25#0	21.7	24.2	33	PASS
		10	LCH	RB1#0	22.09	24.59	33	PASS
				RB1#25	22.25	24.75	33	PASS
				RB1#49	22.28	24.78	33	PASS
				RB25#0	21.21	23.71	33	PASS
				RB25#13	21.15	23.65	33	PASS
				RB25#25	21.23	23.73	33	PASS
				RB50#0	21.19	23.69	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.26	24.76	33	PASS
				RB1#25	22.44	24.94	33	PASS
				RB1#49	22.26	24.76	33	PASS
				RB25#0	21.21	23.71	33	PASS
				RB25#13	21.18	23.68	33	PASS
				RB25#25	21.2	23.7	33	PASS
				RB50#0	21.28	23.78	33	PASS
			HCH	RB1#0	22.1	24.6	33	PASS
				RB1#25	22.29	24.79	33	PASS
				RB1#49	22	24.5	33	PASS
				RB25#0	21.37	23.87	33	PASS
				RB25#13	21.49	23.99	33	PASS
				RB25#25	21.55	24.05	33	PASS
				RB50#0	21.53	24.03	33	PASS
		15	LCH	RB1#0	22.13	24.63	33	PASS
				RB1#38	22.25	24.75	33	PASS
				RB1#74	22.42	24.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#0	21.27	23.77	33	PASS
				RB38#19	21.29	23.79	33	PASS
				RB38#39	21.27	23.77	33	PASS
				RB75#0	21.18	23.68	33	PASS
			MCH	RB1#0	22.41	24.91	33	PASS
				RB1#38	22.28	24.78	33	PASS
				RB1#74	22.26	24.76	33	PASS
				RB38#0	21.12	23.62	33	PASS
				RB38#19	21.34	23.84	33	PASS
				RB38#39	21.31	23.81	33	PASS
				RB75#0	21.23	23.73	33	PASS
			HCH	RB1#0	22.25	24.75	33	PASS
				RB1#38	22.18	24.68	33	PASS
				RB1#74	22.21	24.71	33	PASS
				RB38#0	21.35	23.85	33	PASS
				RB38#19	21.4	23.9	33	PASS
				RB38#39	21.46	23.96	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB75#0	21.49	23.99	33	PASS
		20	LCH	RB1#0	22.37	24.87	33	PASS
				RB1#50	22.56	25.06	33	PASS
				RB1#99	22.67	25.17	33	PASS
				RB50#0	21.31	23.81	33	PASS
				RB50#25	21.34	23.84	33	PASS
				RB50#50	21.33	23.83	33	PASS
				RB100#0	21.37	23.87	33	PASS
			MCH	RB1#0	22.59	25.09	33	PASS
				RB1#50	22.42	24.92	33	PASS
				RB1#99	22.29	24.79	33	PASS
				RB50#0	21.22	23.72	33	PASS
				RB50#25	21.18	23.68	33	PASS
				RB50#50	21.21	23.71	33	PASS
				RB100#0	21.29	23.79	33	PASS
			HCH	RB1#0	22.4	24.9	33	PASS
				RB1#50	22.42	24.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	22.43	24.93	33	PASS
				RB50#0	21.34	23.84	33	PASS
				RB50#25	21.41	23.91	33	PASS
				RB50#50	21.55	24.05	33	PASS
				RB100#0	21.53	24.03	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 > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	UMTS/TM1	LCH	3.43	13	PASS
		MCH	3.91	13	PASS
		HCH	3.8	13	PASS

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	3.9	13	PASS
				RB1#3	3.73	13	PASS
				RB1#5	3.76	13	PASS
				RB3#0	4.49	13	PASS
				RB3#2	4.43	13	PASS
				RB3#3	4.55	13	PASS
				RB6#0	6.2	13	PASS
			MCH	RB1#0	5.01	13	PASS
				RB1#3	4.86	13	PASS
				RB1#5	5	13	PASS
				RB3#0	5.86	13	PASS
				RB3#2	5.85	13	PASS
				RB3#3	5.98	13	PASS
				RB6#0	6.44	13	PASS
			HCH	RB1#0	4.99	13	PASS
				RB1#3	4.83	13	PASS
				RB1#5	4.86	13	PASS
				RB3#0	5.23	13	PASS
				RB3#2	5.24	13	PASS
				RB3#3	5.3	13	PASS
				RB6#0	6.15	13	PASS
		3	LCH	RB1#0	3.99	13	PASS
				RB1#7	3.76	13	PASS
				RB1#14	3.67	13	PASS
				RB8#0	5.38	13	PASS
				RB8#4	5.27	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	5.48	13	PASS
				RB15#0	5.83	13	PASS
			MCH	RB1#0	5.2	13	PASS
				RB1#7	4.96	13	PASS
				RB1#14	5.06	13	PASS
				RB8#0	6.37	13	PASS
				RB8#4	6.15	13	PASS
				RB8#7	6.22	13	PASS
				RB15#0	5.77	13	PASS
			HCH	RB1#0	4.96	13	PASS
				RB1#7	4.78	13	PASS
				RB1#14	4.9	13	PASS
				RB8#0	6.18	13	PASS
				RB8#4	6.35	13	PASS
				RB8#7	6.33	13	PASS
				RB15#0	6.33	13	PASS
		5	LCH	RB1#0	4.1	13	PASS
				RB1#13	3.61	13	PASS
				RB1#24	3.76	13	PASS
				RB12#0	5.35	13	PASS
				RB12#6	5.02	13	PASS
				RB12#13	5.21	13	PASS
				RB25#0	5.75	13	PASS
			MCH	RB1#0	5.23	13	PASS
				RB1#13	4.85	13	PASS
				RB1#24	4.98	13	PASS
				RB12#0	6.26	13	PASS
				RB12#6	6.28	13	PASS
				RB12#13	6.27	13	PASS
				RB25#0	6.46	13	PASS
			HCH	RB1#0	5.4	13	PASS
				RB1#13	5.02	13	PASS
				RB1#24	5	13	PASS
				RB12#0	6.75	13	PASS
				RB12#6	6.46	13	PASS
				RB12#13	6.45	13	PASS
				RB25#0	6.48	13	PASS
		10	LCH	RB1#0	3.97	13	PASS
				RB1#25	3.6	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	3.95	13	PASS
				RB25#0	5.04	13	PASS
				RB25#13	4.93	13	PASS
				RB25#25	5.23	13	PASS
				RB50#0	5.75	13	PASS
			MCH	RB1#0	5.43	13	PASS
				RB1#25	4.89	13	PASS
				RB1#49	4.83	13	PASS
				RB25#0	6.4	13	PASS
				RB25#13	6.17	13	PASS
				RB25#25	6.1	13	PASS
				RB50#0	6.46	13	PASS
			HCH	RB1#0	4.79	13	PASS
				RB1#25	5.01	13	PASS
				RB1#49	4.89	13	PASS
				RB25#0	6.54	13	PASS
				RB25#13	6.54	13	PASS
				RB25#25	6.43	13	PASS
				RB50#0	6.57	13	PASS
		15	LCH	RB1#0	3.97	13	PASS
				RB1#38	3.79	13	PASS
				RB1#74	4.58	13	PASS
				RB38#0	5.13	13	PASS
				RB38#19	5.17	13	PASS
				RB38#39	5.76	13	PASS
				RB75#0	6	13	PASS
			MCH	RB1#0	5.41	13	PASS
				RB1#38	4.93	13	PASS
				RB1#74	4.81	13	PASS
				RB38#0	6.68	13	PASS
				RB38#19	6.46	13	PASS
				RB38#39	6.39	13	PASS
				RB75#0	6.9	13	PASS
			HCH	RB1#0	4.48	13	PASS
				RB1#38	4.98	13	PASS
				RB1#74	5.02	13	PASS
				RB38#0	6.03	13	PASS
				RB38#19	6.34	13	PASS
				RB38#39	6.29	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		20		RB75#0	6.5	13	PASS
				RB1#0	4.09	13	PASS
			LCH	RB1#50	4.24	13	PASS
				RB1#99	5.29	13	PASS
				RB50#0	5.33	13	PASS
				RB50#25	5.49	13	PASS
				RB50#50	6.15	13	PASS
				RB100#0	5.85	13	PASS
			MCH	RB1#0	5.73	13	PASS
				RB1#50	5.1	13	PASS
				RB1#99	4.94	13	PASS
				RB50#0	6.87	13	PASS
				RB50#25	6.57	13	PASS
				RB50#50	6.36	13	PASS
				RB100#0	6.48	13	PASS
			HCH	RB1#0	4.43	13	PASS
				RB1#50	4.79	13	PASS
				RB1#99	5.09	13	PASS
				RB50#0	5.9	13	PASS
				RB50#25	6.21	13	PASS
				RB50#50	6.39	13	PASS
				RB100#0	6.28	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.14	13	PASS
				RB1#3	4.99	13	PASS
				RB1#5	4.98	13	PASS
				RB3#0	5.41	13	PASS
				RB3#2	5.28	13	PASS
				RB3#3	5.52	13	PASS
				RB6#0	6.22	13	PASS
			MCH	RB1#0	5.85	13	PASS
				RB1#3	5.8	13	PASS
				RB1#5	5.84	13	PASS
				RB3#0	6.38	13	PASS
				RB3#2	6.45	13	PASS
				RB3#3	6.4	13	PASS
				RB6#0	6.94	13	PASS
			HCH	RB1#0	5.47	13	PASS
				RB1#3	5.35	13	PASS
				RB1#5	5.46	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3		RB3#0	6.17	13	PASS
				RB3#2	6.16	13	PASS
				RB3#3	6.26	13	PASS
				RB6#0	7.09	13	PASS
			LCH	RB1#0	4.97	13	PASS
				RB1#7	4.77	13	PASS
				RB1#14	4.82	13	PASS
				RB8#0	6.06	13	PASS
				RB8#4	5.89	13	PASS
				RB8#7	5.98	13	PASS
				RB15#0	6.35	13	PASS
			MCH	RB1#0	5.92	13	PASS
				RB1#7	5.69	13	PASS
				RB1#14	5.88	13	PASS
				RB8#0	7.11	13	PASS
				RB8#4	7.27	13	PASS
				RB8#7	7.27	13	PASS
				RB15#0	7.17	13	PASS
			HCH	RB1#0	5.86	13	PASS
				RB1#7	5.64	13	PASS
				RB1#14	5.72	13	PASS
				RB8#0	6.47	13	PASS
				RB8#4	6.39	13	PASS
				RB8#7	6.58	13	PASS
				RB15#0	7.29	13	PASS
		5	LCH	RB1#0	5.34	13	PASS
				RB1#13	4.92	13	PASS
				RB1#24	5.01	13	PASS
				RB12#0	6.07	13	PASS
				RB12#6	5.82	13	PASS
				RB12#13	5.99	13	PASS
				RB25#0	6.84	13	PASS
			MCH	RB1#0	6.2	13	PASS
				RB1#13	5.84	13	PASS
				RB1#24	5.98	13	PASS
				RB12#0	7.21	13	PASS
				RB12#6	7	13	PASS
				RB12#13	7.16	13	PASS
				RB25#0	7.81	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	6.17	13	PASS
				RB1#13	5.79	13	PASS
				RB1#24	5.84	13	PASS
				RB12#0	7.2	13	PASS
				RB12#6	7.02	13	PASS
				RB12#13	7	13	PASS
				RB25#0	7.48	13	PASS
		10	LCH	RB1#0	5.42	13	PASS
				RB1#25	4.93	13	PASS
				RB1#49	5.35	13	PASS
				RB25#0	6.09	13	PASS
				RB25#13	6.05	13	PASS
				RB25#25	6.27	13	PASS
				RB50#0	6.65	13	PASS
			MCH	RB1#0	6.58	13	PASS
				RB1#25	6.08	13	PASS
				RB1#49	6.04	13	PASS
				RB25#0	7.87	13	PASS
				RB25#13	7.47	13	PASS
				RB25#25	7.4	13	PASS
				RB50#0	7.46	13	PASS
			HCH	RB1#0	6	13	PASS
				RB1#25	5.97	13	PASS
				RB1#49	5.91	13	PASS
				RB25#0	7.54	13	PASS
				RB25#13	7.68	13	PASS
				RB25#25	7.47	13	PASS
				RB50#0	7.34	13	PASS
		15	LCH	RB1#0	5.42	13	PASS
				RB1#38	5.11	13	PASS
				RB1#74	5.96	13	PASS
				RB38#0	6.13	13	PASS
				RB38#19	6.13	13	PASS
				RB38#39	6.68	13	PASS
				RB75#0	6.67	13	PASS
			MCH	RB1#0	6.68	13	PASS
				RB1#38	6.12	13	PASS
				RB1#74	5.9	13	PASS
				RB38#0	7.89	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#19	7.7	13	PASS
				RB38#39	7.44	13	PASS
				RB75#0	7.43	13	PASS
			HCH	RB1#0	5.52	13	PASS
				RB1#38	6.06	13	PASS
				RB1#74	5.75	13	PASS
				RB38#0	7.07	13	PASS
				RB38#19	7.35	13	PASS
				RB38#39	7.4	13	PASS
				RB75#0	7.32	13	PASS
		20	LCH	RB1#0	4.66	13	PASS
				RB1#50	4.57	13	PASS
				RB1#99	5.48	13	PASS
				RB50#0	6.38	13	PASS
				RB50#25	6.36	13	PASS
				RB50#50	7.19	13	PASS
				RB100#0	7.03	13	PASS
			MCH	RB1#0	5.54	13	PASS
				RB1#50	5.13	13	PASS
				RB1#99	5.02	13	PASS
				RB50#0	7.92	13	PASS
				RB50#25	7.56	13	PASS
				RB50#50	7.3	13	PASS
				RB100#0	7.4	13	PASS
			HCH	RB1#0	5.36	13	PASS
				RB1#50	5.58	13	PASS
				RB1#99	5.62	13	PASS
				RB50#0	6.77	13	PASS
				RB50#25	7.08	13	PASS
				RB50#50	7.35	13	PASS
				RB100#0	7.17	13	PASS

3Appendix_C: Modulation Characteristics

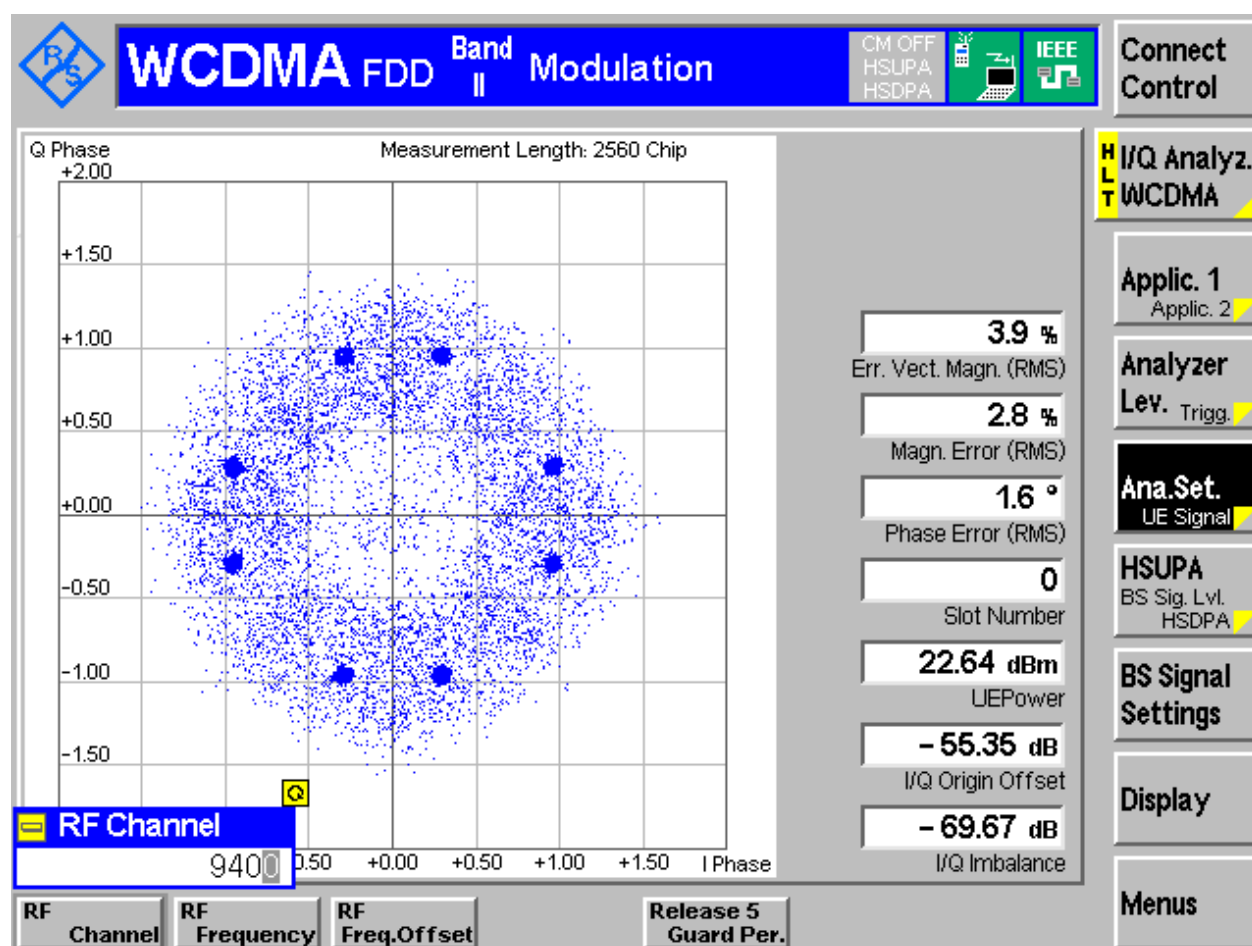
Part I - Test Plots

3.1 For UMTS

3.1.1 Test Band = WCDMA1900

3.1.1.1 Test Mode = UMTS/TM1

3.1.1.1.1 Test Channel = MCH



3.2 For LTE

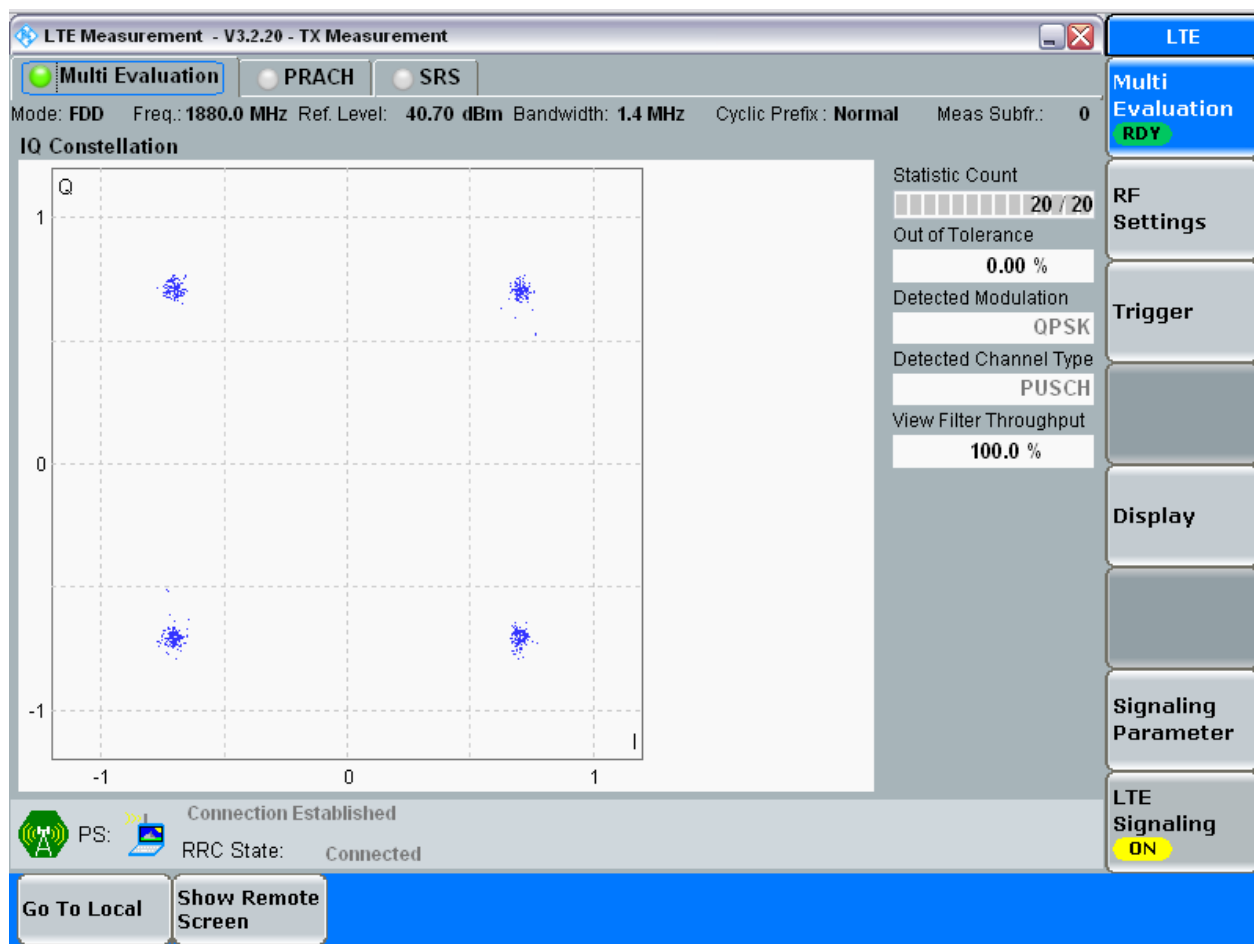
3.2.1 Test Band = BAND2

3.2.1.1 Test Mode = LTE/TM1

3.2.1.1.1 Test Bandwidth = 1.4

3.2.1.1.1.1 Test Channel = MCH

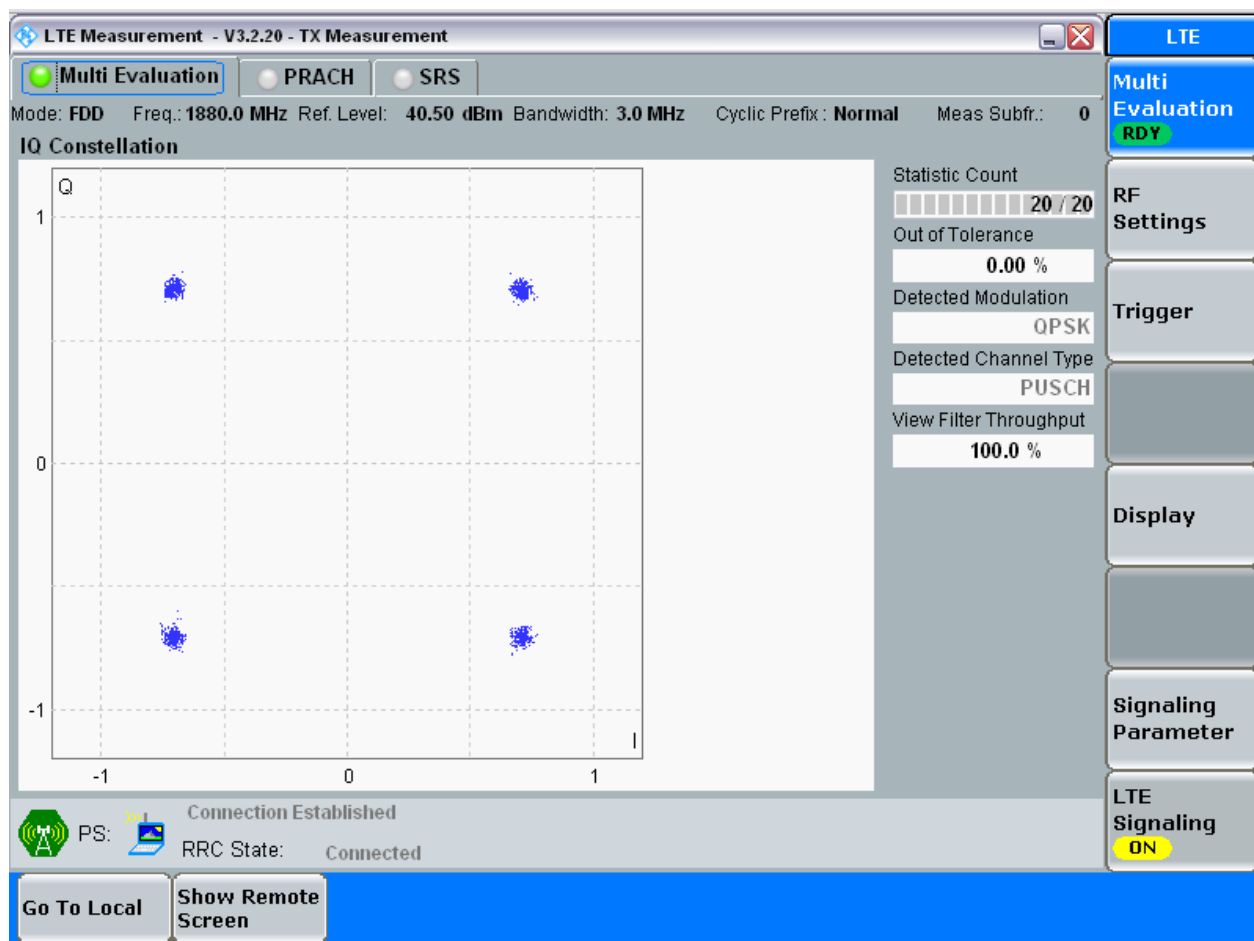
3.2.1.1.1.1.1 Test RB = RB6#0



3.2.1.1.2 Test Bandwidth = 3

3.2.1.1.2.1 Test Channel = MCH

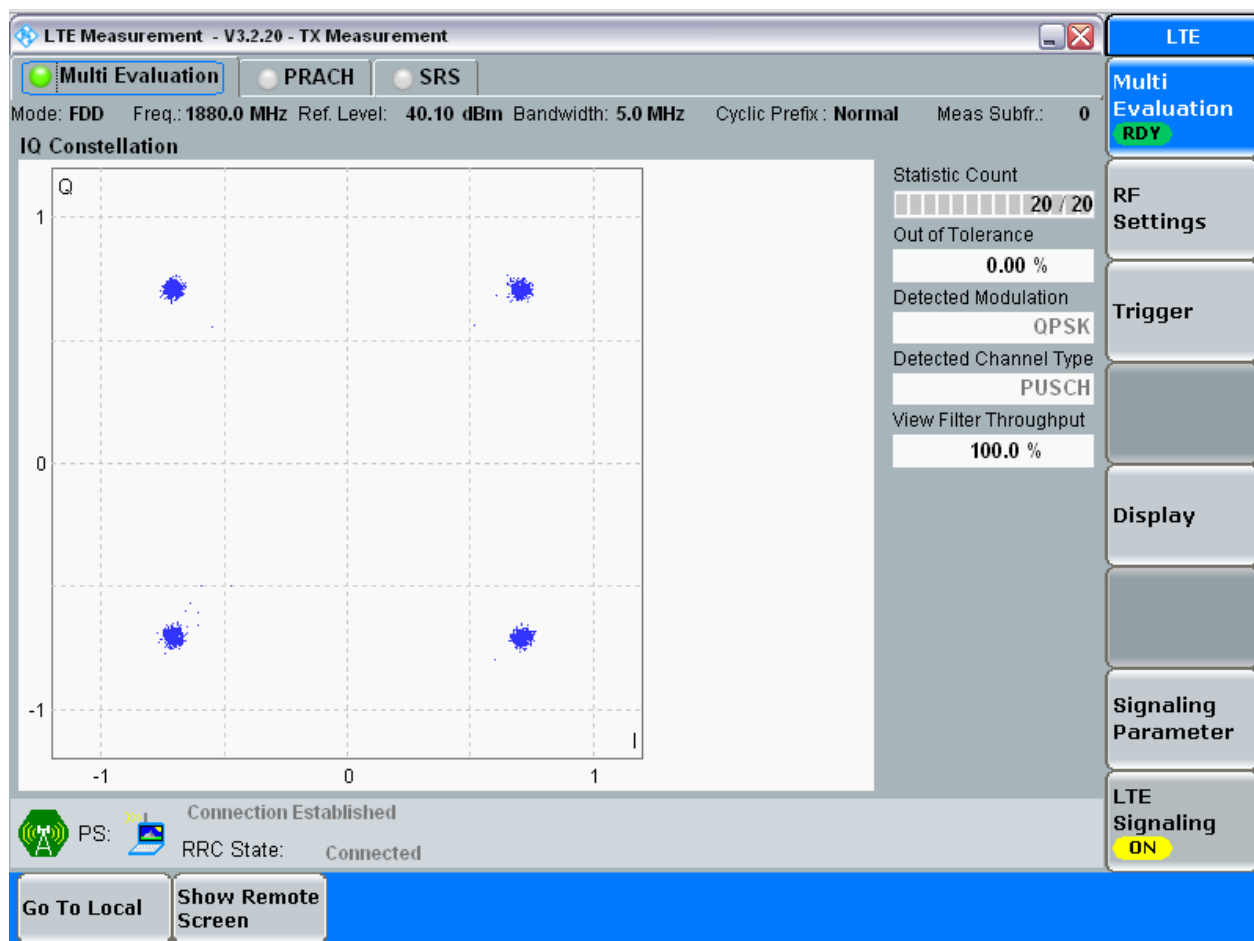
3.2.1.1.2.1.1 Test RB = RB15#0



3.2.1.1.3 Test Bandwidth = 5

3.2.1.1.3.1 Test Channel = MCH

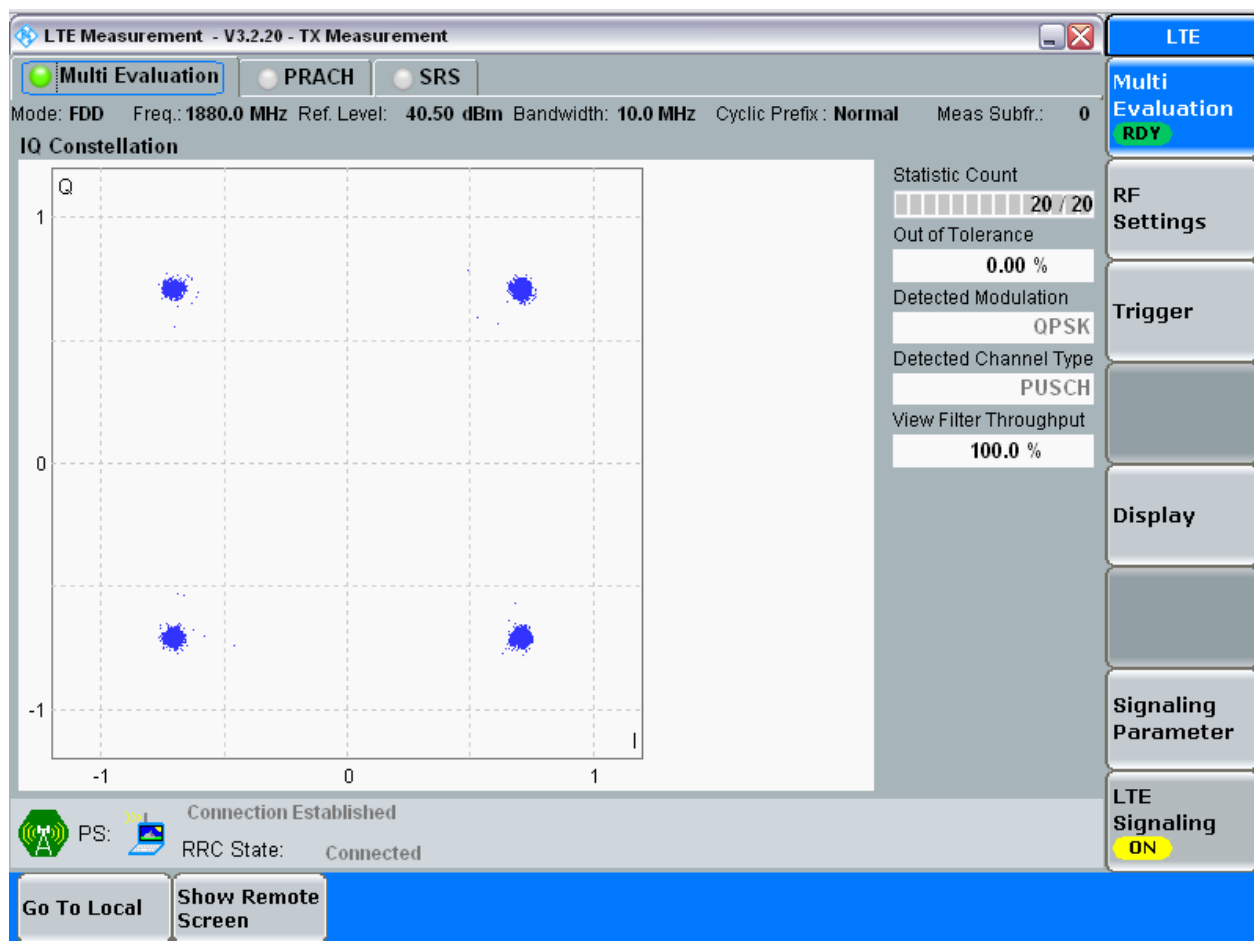
3.2.1.1.3.1.1 Test RB = RB25#0



3.2.1.1.4 Test Bandwidth = 10

3.2.1.1.4.1 Test Channel = MCH

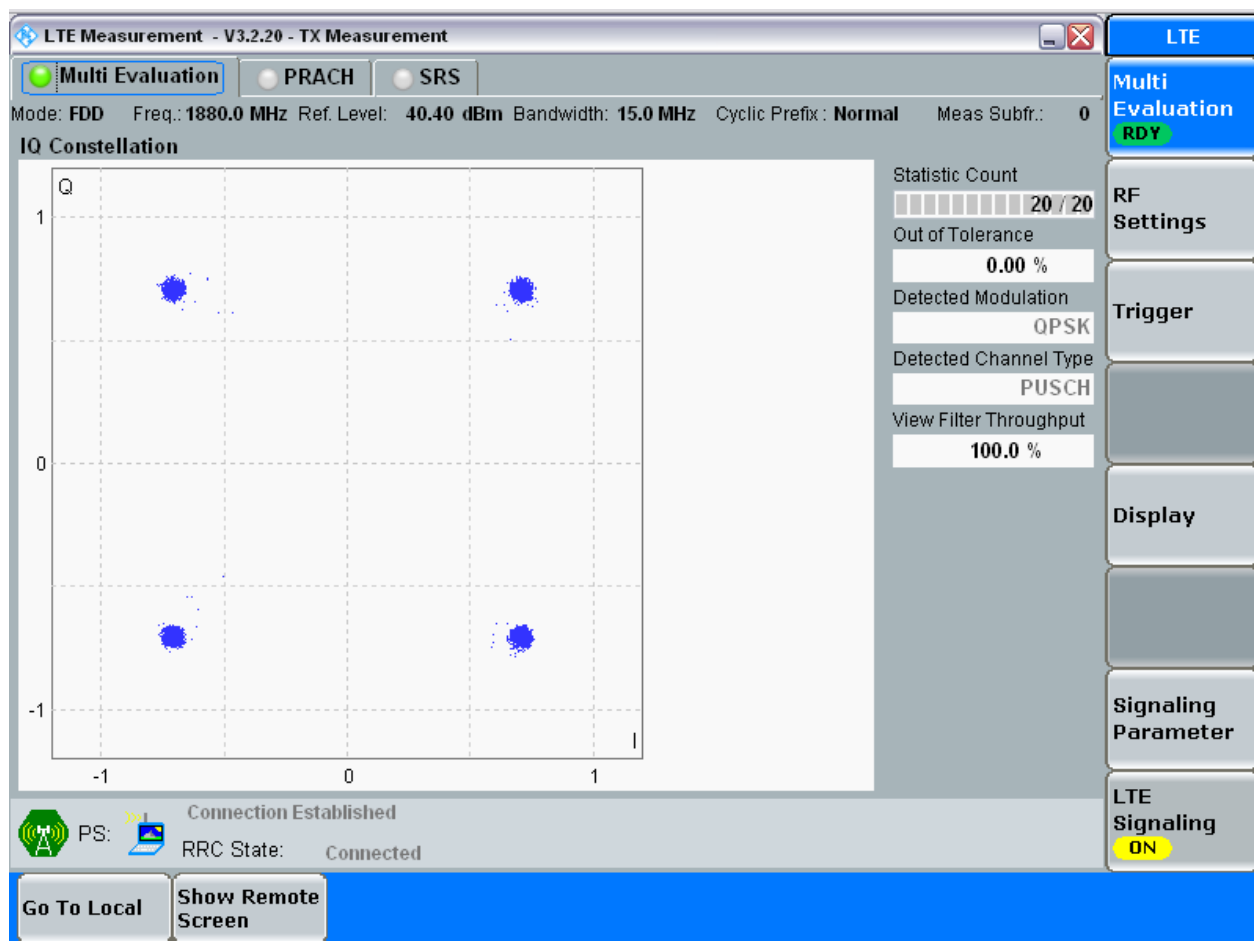
3.2.1.1.4.1.1 Test RB = RB50#0



3.2.1.1.5 Test Bandwidth = 15

3.2.1.1.5.1 Test Channel = MCH

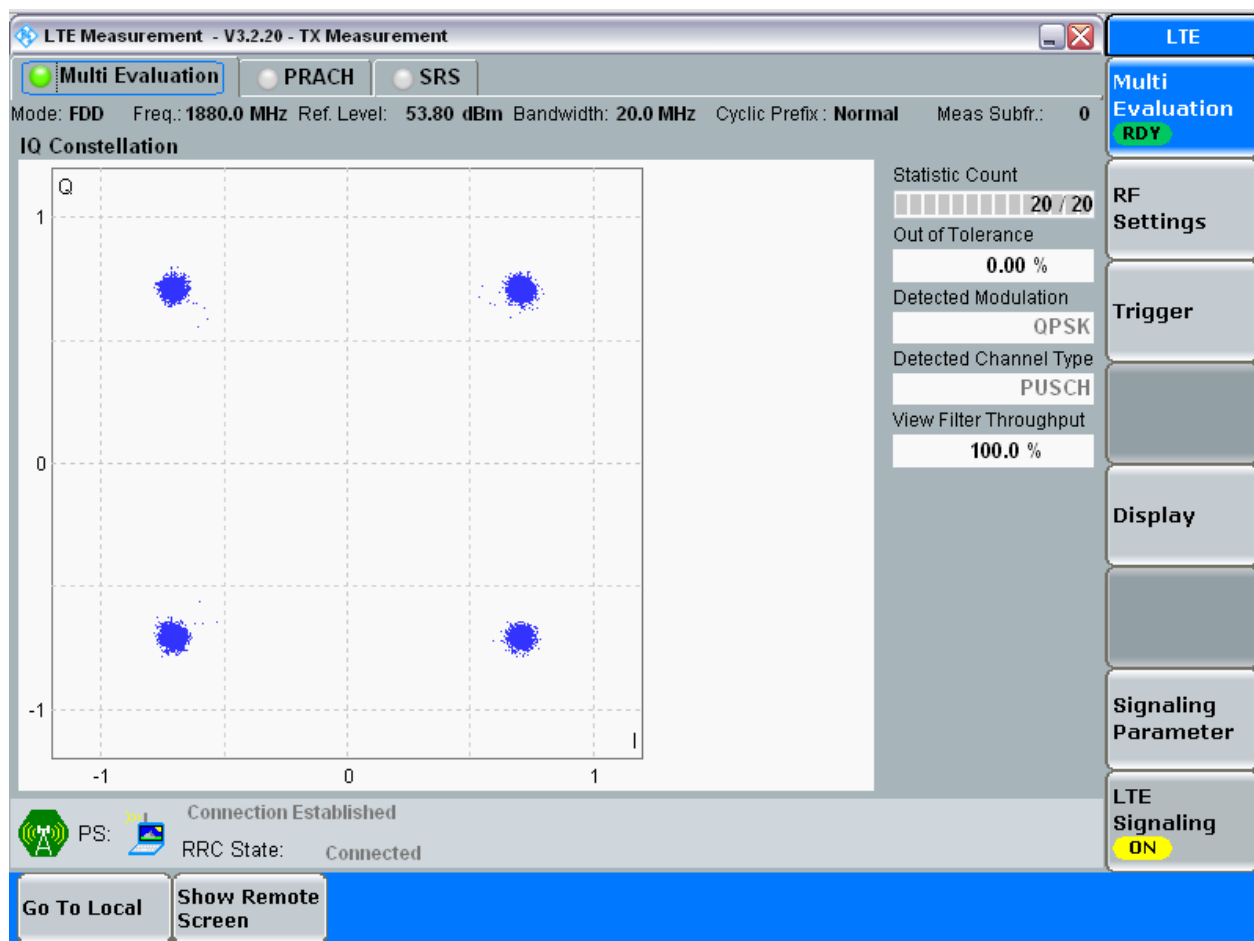
3.2.1.1.5.1.1 Test RB = RB75#0



3.2.1.1.6 Test Bandwidth = 20

3.2.1.1.6.1 Test Channel = MCH

3.2.1.1.6.1.1 Test RB = RB100#0

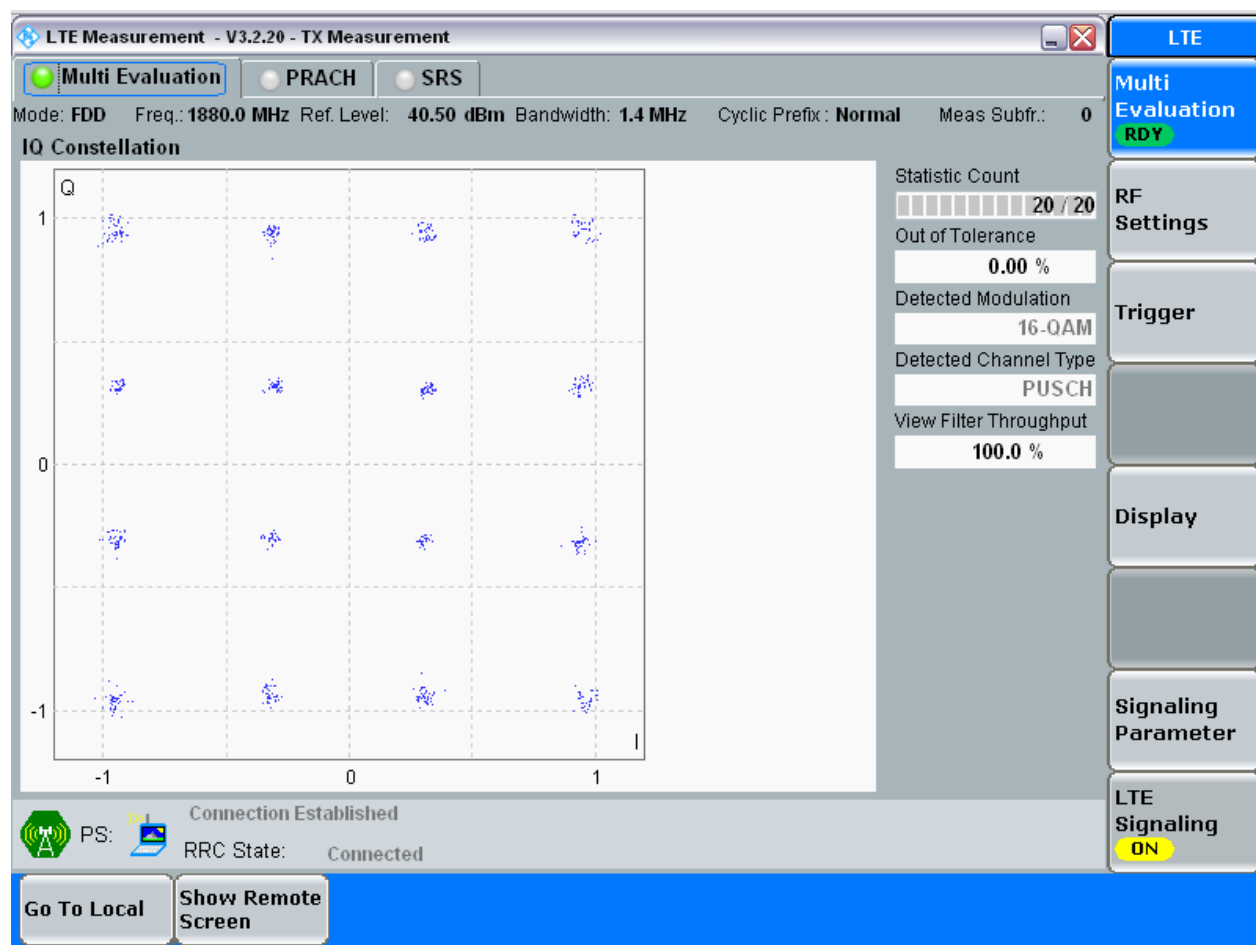


3.2.1.2 Test Mode = LTE/TM2

3.2.1.2.1 Test Bandwidth = 1.4

3.2.1.2.1.1 Test Channel = MCH

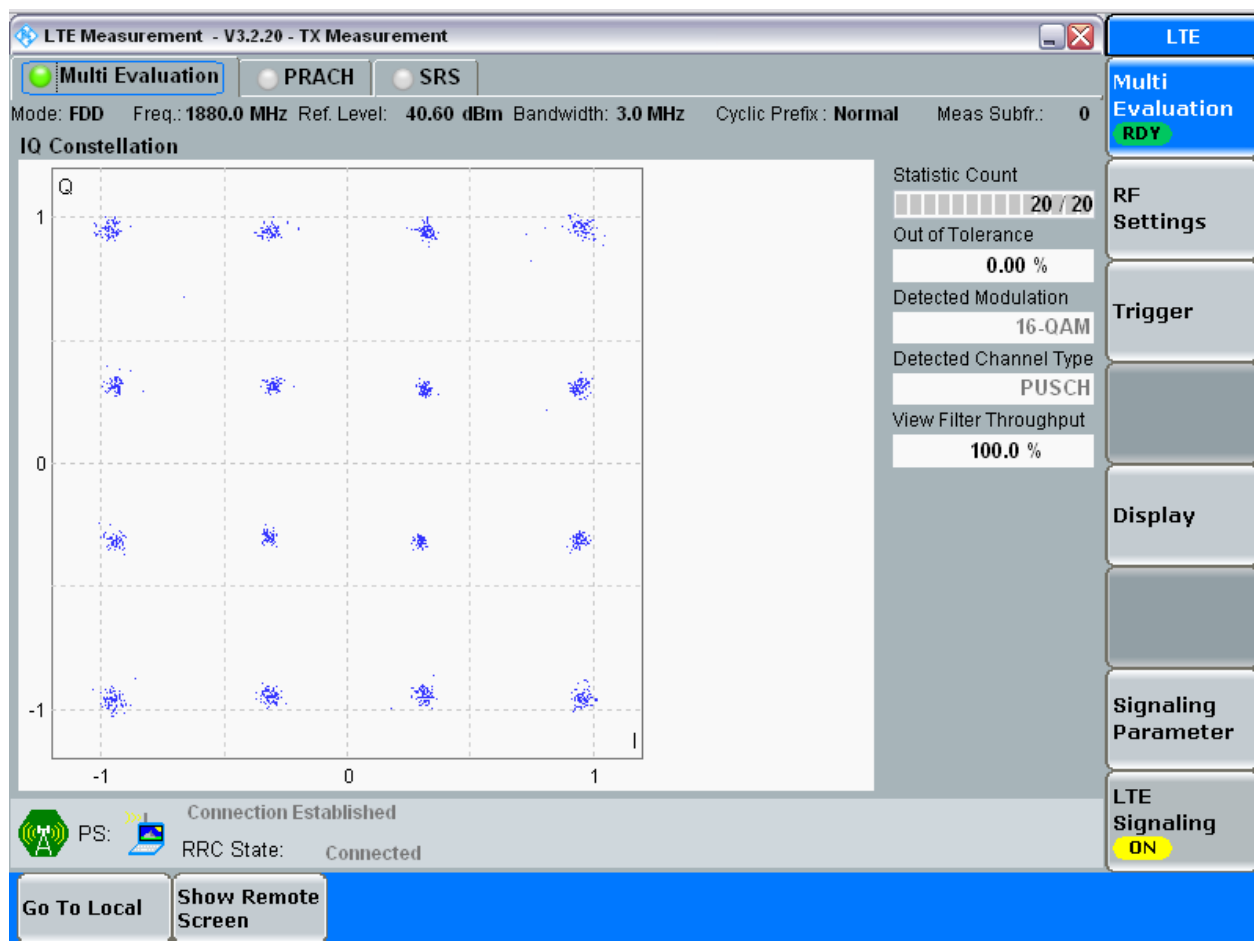
3.2.1.2.1.1.1 Test RB = RB6#0



3.2.1.2.2 Test Bandwidth = 3

3.2.1.2.2.1 Test Channel = MCH

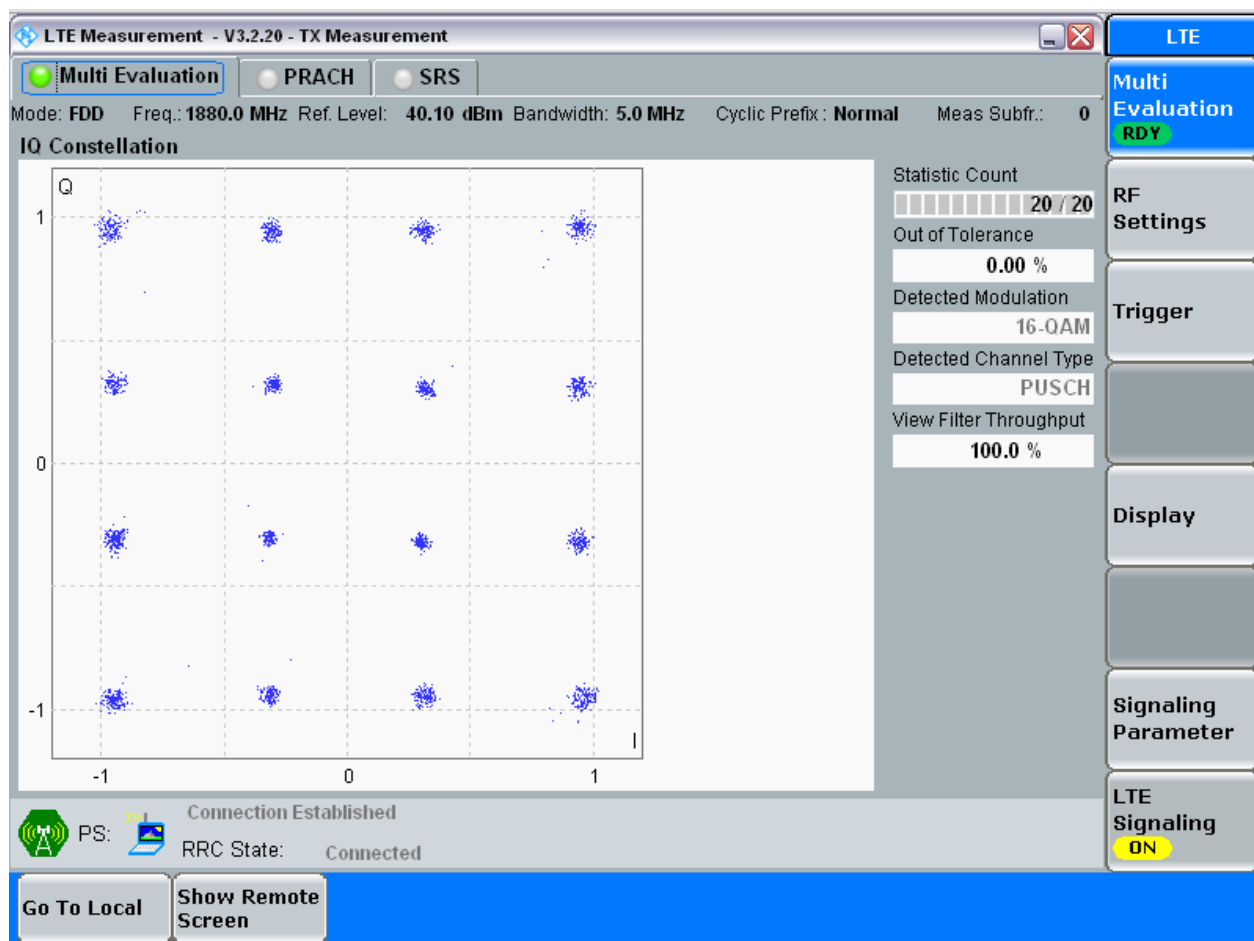
3.2.1.2.2.1.1 Test RB = RB15#0



3.2.1.2.3 Test Bandwidth = 5

3.2.1.2.3.1 Test Channel = MCH

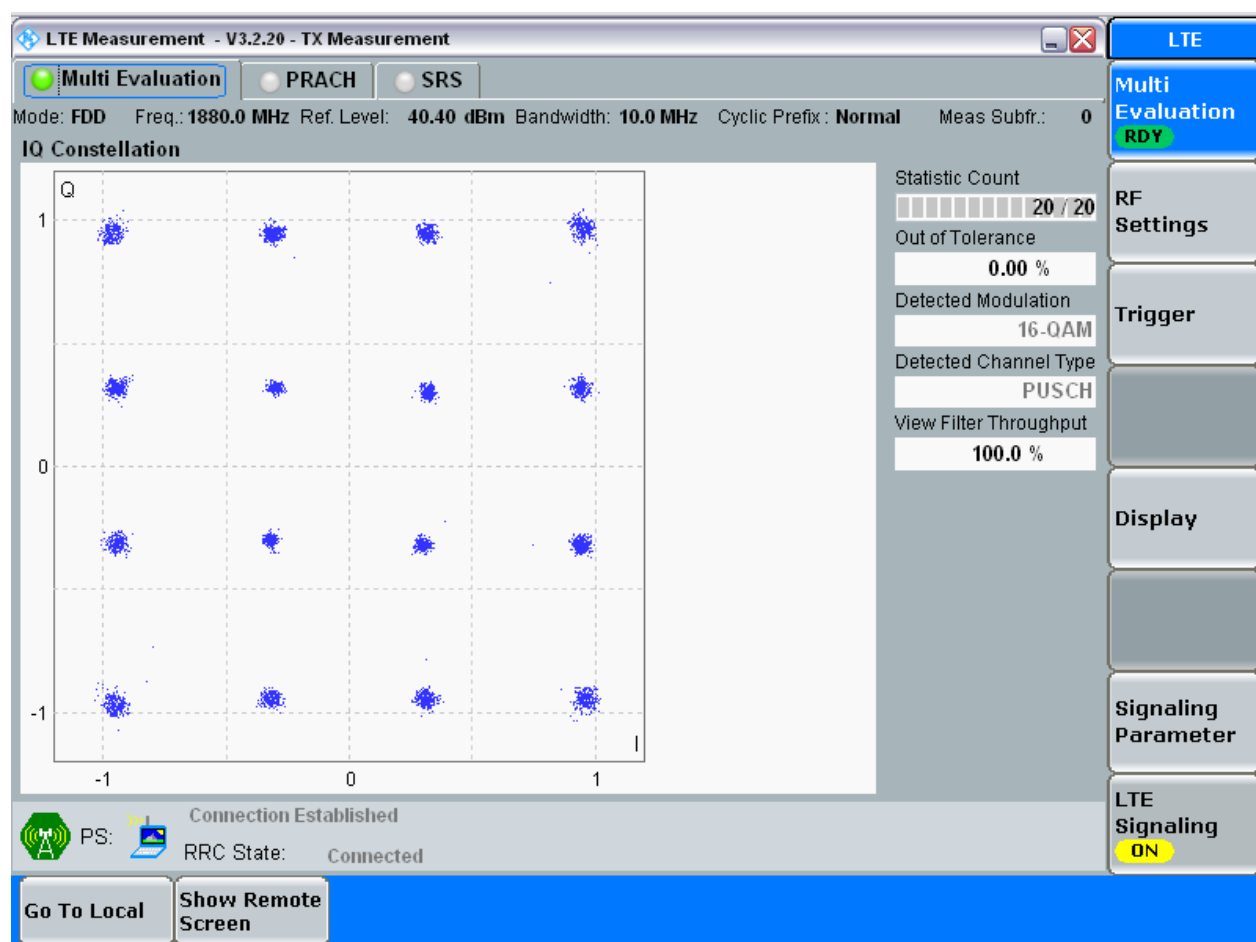
3.2.1.2.3.1.1 Test RB = RB25#0



3.2.1.2.4 Test Bandwidth = 10

3.2.1.2.4.1 Test Channel = MCH

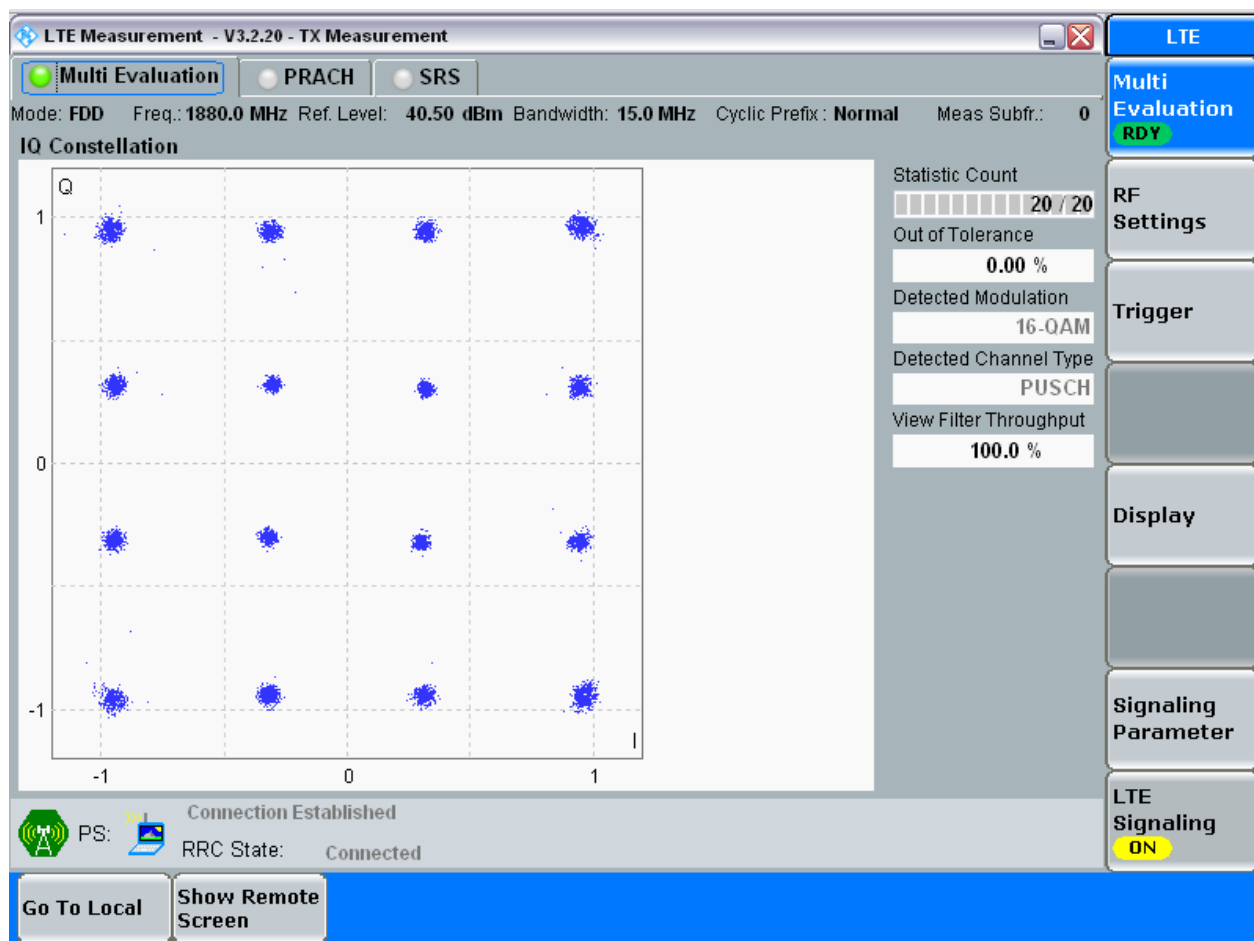
3.2.1.2.4.1.1 Test RB = RB50#0



3.2.1.2.5 Test Bandwidth = 15

3.2.1.2.5.1 Test Channel = MCH

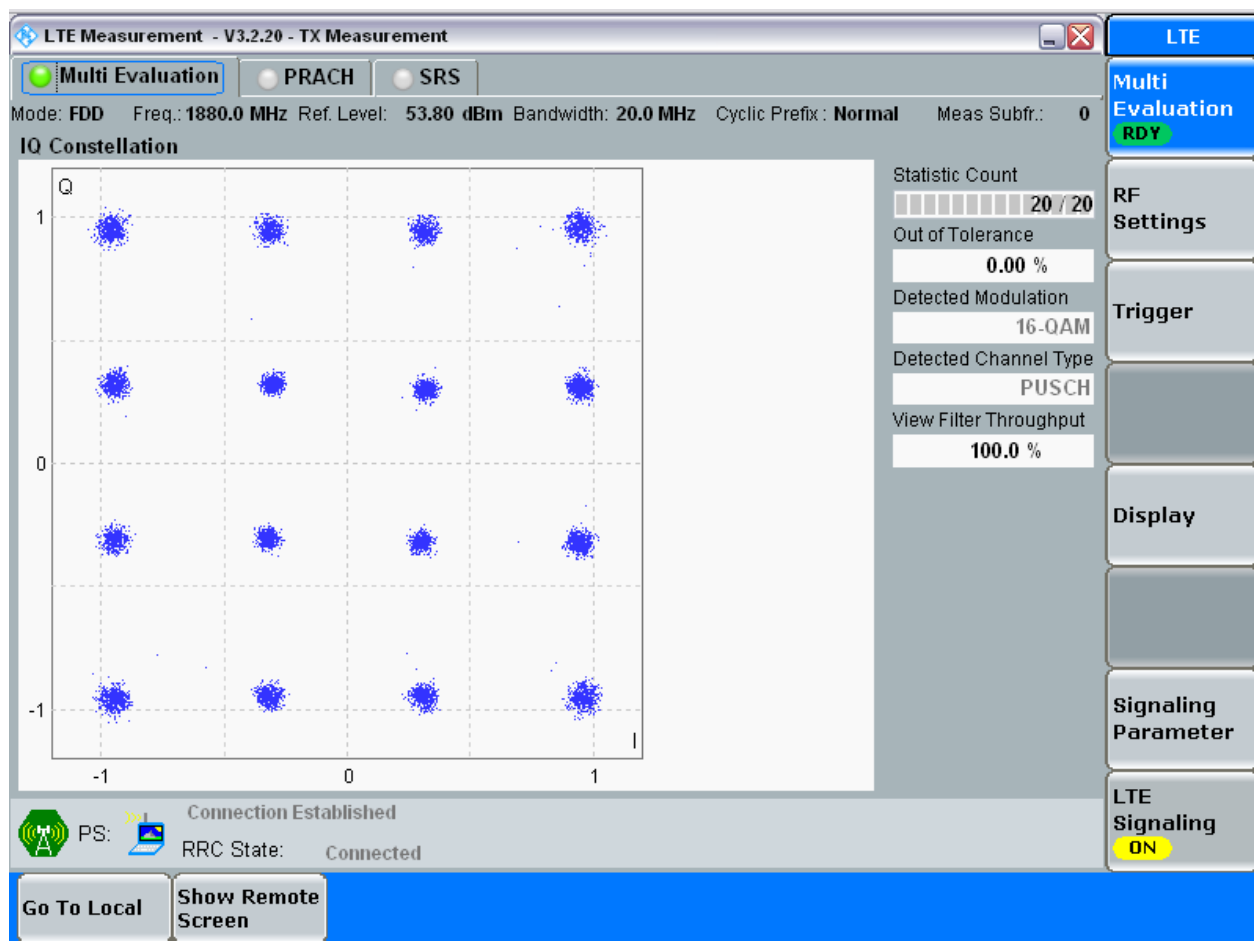
3.2.1.2.5.1.1 Test RB = RB75#0



3.2.1.2.6 Test Bandwidth = 20

3.2.1.2.6.1 Test Channel = MCH

3.2.1.2.6.1.1 Test RB = RB100#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA1900	UMTS/TM1	LCH	4.16	4.67	Pass
		MCH	4.16	4.66	Pass
		HCH	4.16	4.67	Pass

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	1.29	Pass
			MCH	RB6#0	1.09	1.26	Pass
			HCH	RB6#0	1.09	1.28	Pass
		3	LCH	RB15#0	2.70	2.97	Pass
			MCH	RB15#0	2.70	2.98	Pass
			HCH	RB15#0	2.71	3.00	Pass
		5	LCH	RB25#0	4.50	4.88	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.50	4.90	Pass
		10	LCH	RB50#0	8.97	9.59	Pass
			MCH	RB50#0	8.99	9.62	Pass
			HCH	RB50#0	8.98	9.61	Pass
		15	LCH	RB75#0	13.43	14.27	Pass
			MCH	RB75#0	13.48	14.33	Pass
			HCH	RB75#0	13.47	14.34	Pass
		20	LCH	RB100#0	17.86	18.93	Pass
			MCH	RB100#0	17.96	19.01	Pass
			HCH	RB100#0	17.90	18.96	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.29	Pass
			MCH	RB6#0	1.09	1.28	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.70	2.99	Pass
			MCH	RB15#0	2.70	3.00	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.50	4.89	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB25#0	4.50	4.89	Pass
			HCH	RB25#0	4.51	4.93	Pass
		10	LCH	RB50#0	8.96	9.62	Pass
			MCH	RB50#0	8.98	9.62	Pass
			HCH	RB50#0	9.00	9.61	Pass
		15	LCH	RB75#0	13.42	14.25	Pass
			MCH	RB75#0	13.48	14.32	Pass
			HCH	RB75#0	13.47	14.29	Pass
		20	LCH	RB100#0	17.86	18.94	Pass
			MCH	RB100#0	17.98	19.08	Pass
			HCH	RB100#0	17.91	19.00	Pass

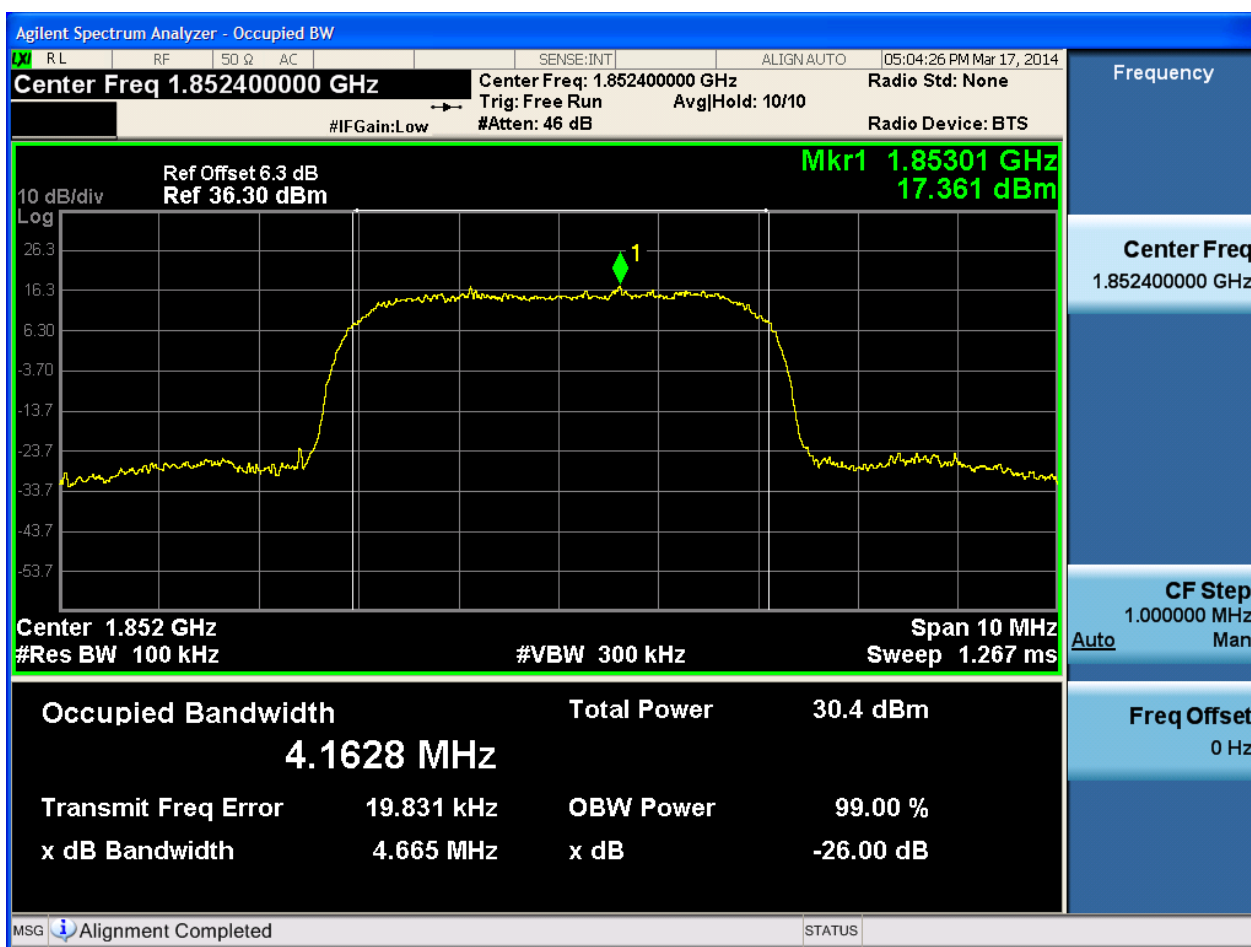
Part II - Test Plots

4.1 For UMTS

4.1.1 Test Band = WCDMA1900

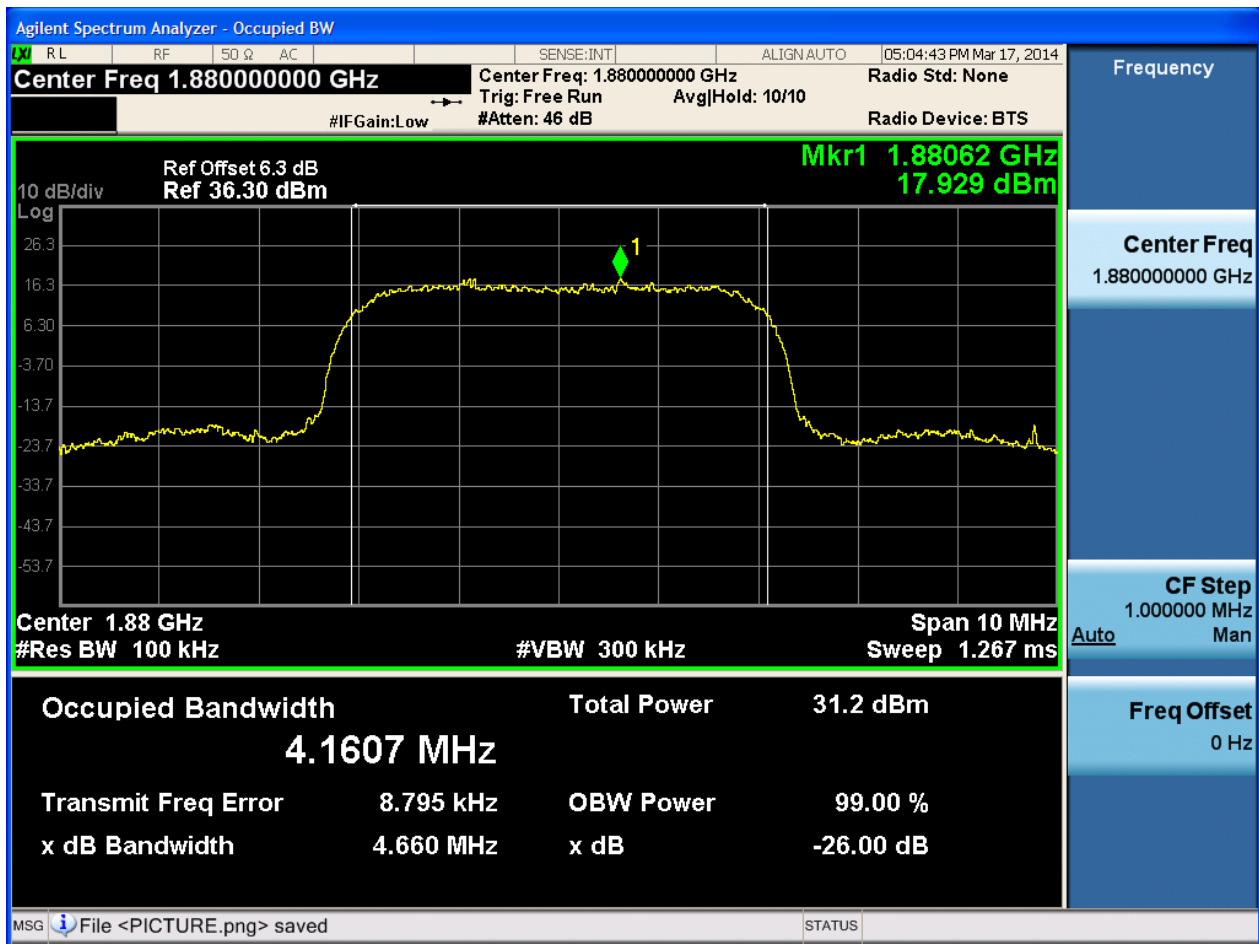
4.1.1.1 Test Mode = UMTS/TM1

4.1.1.1.1 Test Channel = LCH



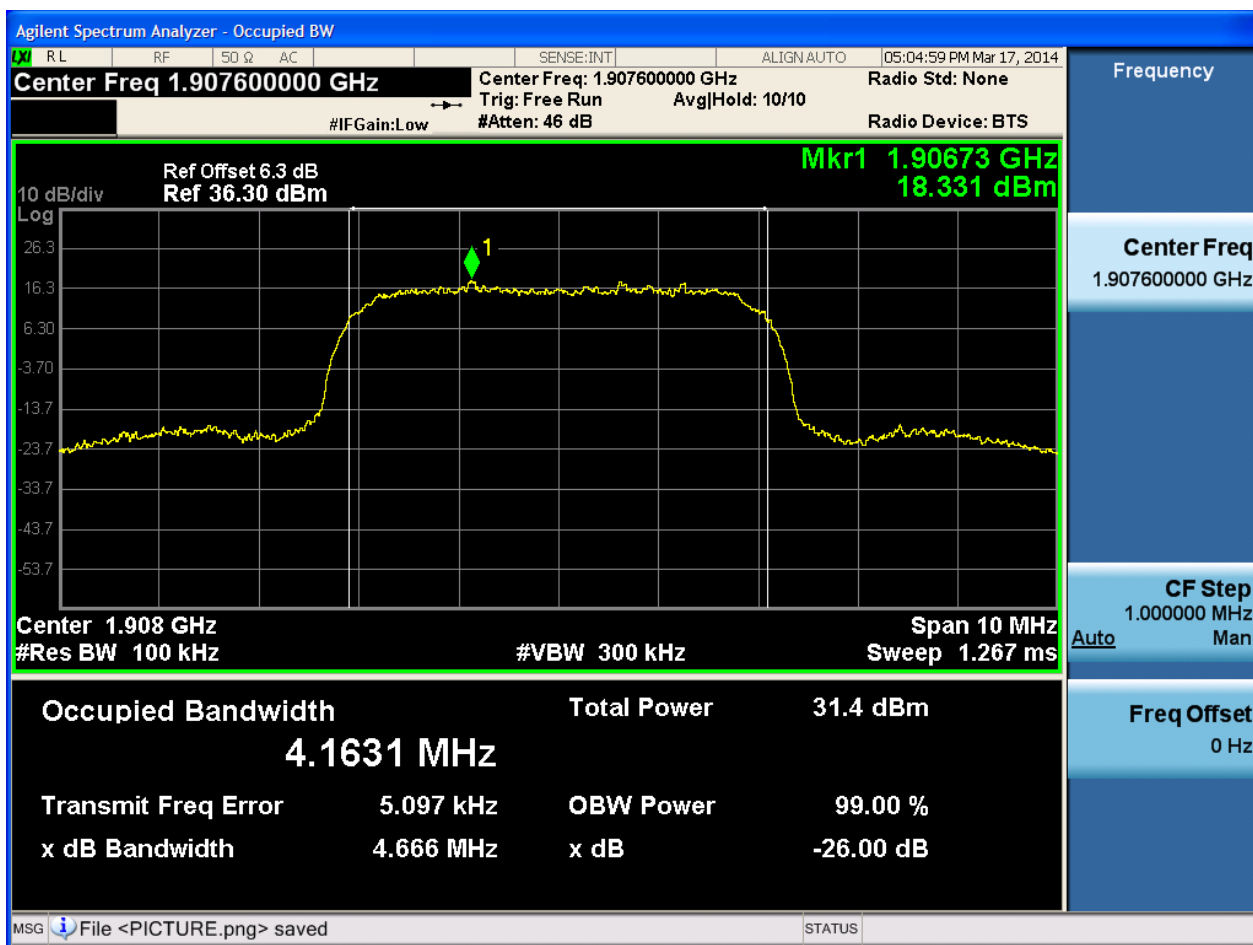


4.1.1.1.2 Test Channel = MCH





4.1.1.1.3 Test Channel = HCH



4.2 For LTE

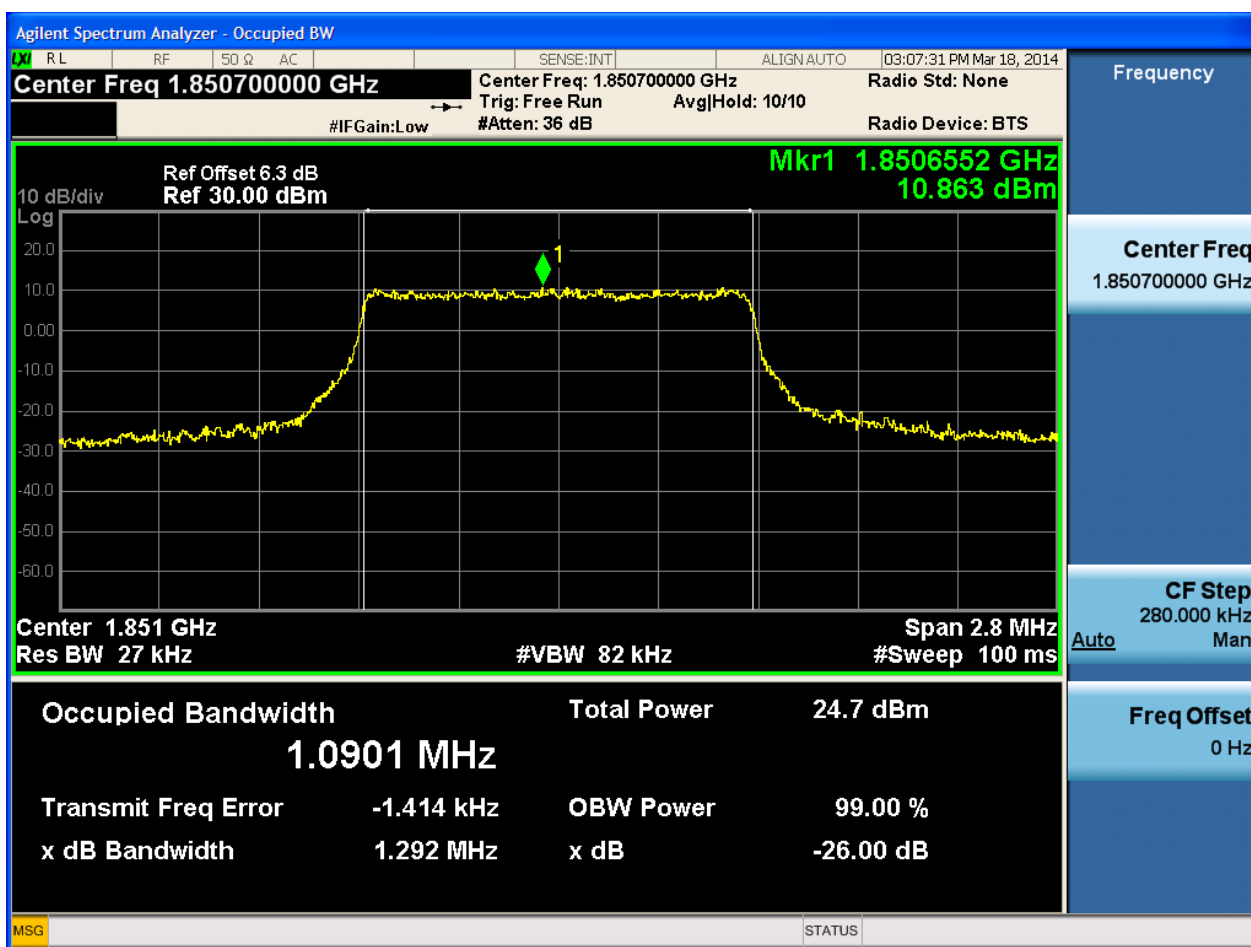
4.2.1 Test Band = BAND2

4.2.1.1 Test Mode = LTE/TM1

4.2.1.1.1 Test Bandwidth = 1.4

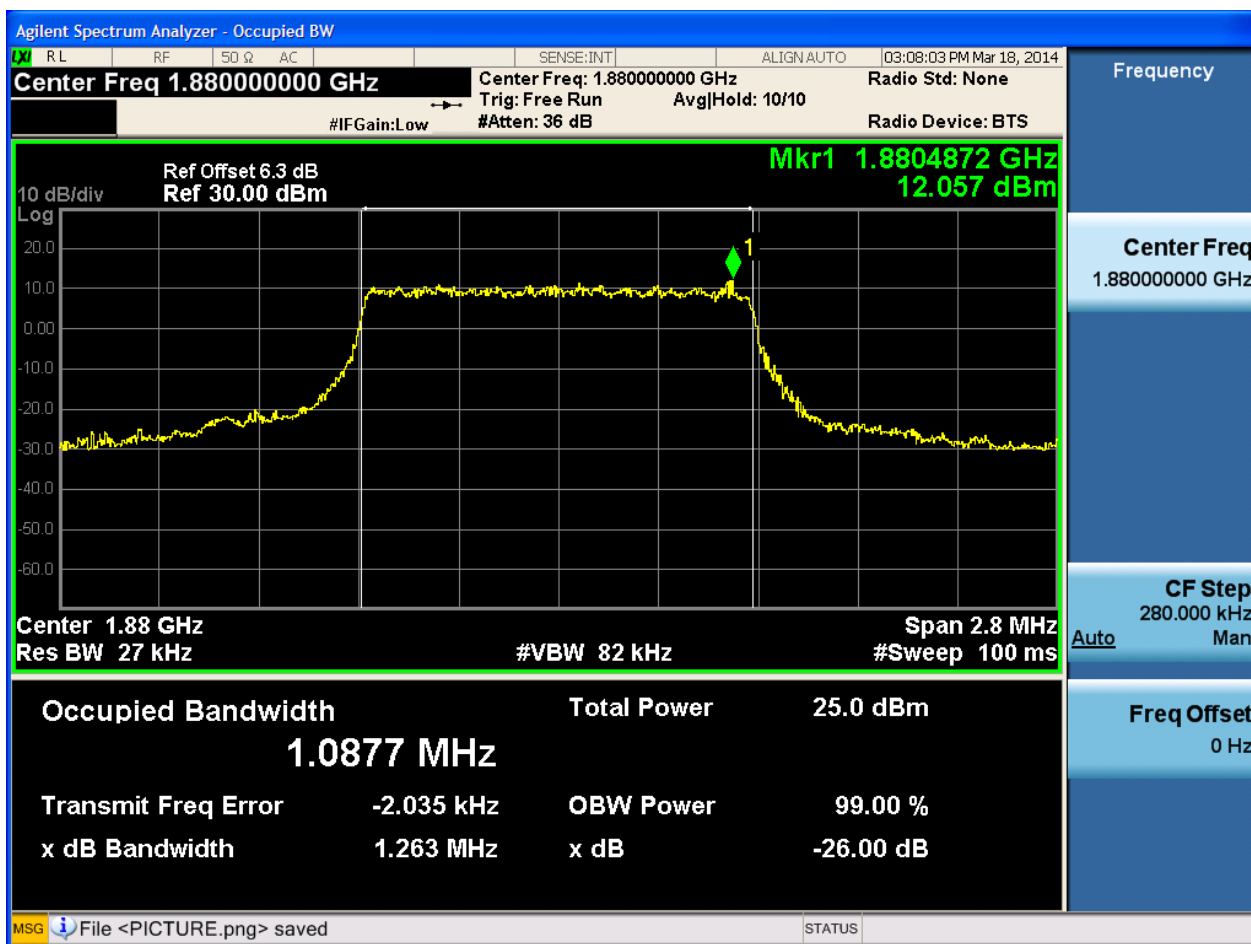
4.2.1.1.1.1 Test Channel = LCH

4.2.1.1.1.1.1 Test RB = RB6#0



4.2.1.1.1.2 Test Channel = MCH

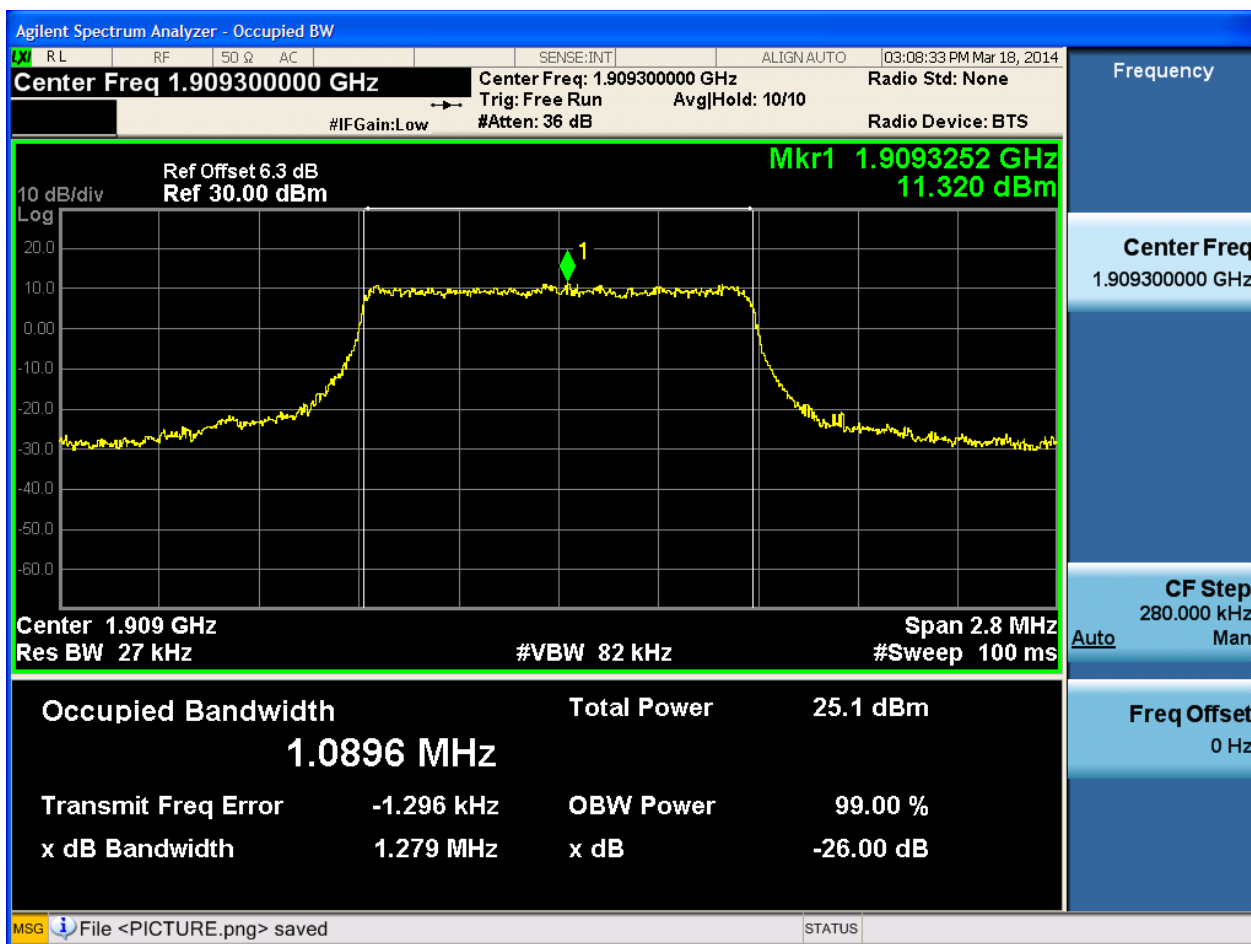
4.2.1.1.1.2.1 Test RB = RB6#0





4.2.1.1.1.3 Test Channel = HCH

4.2.1.1.1.3.1 Test RB = RB6#0

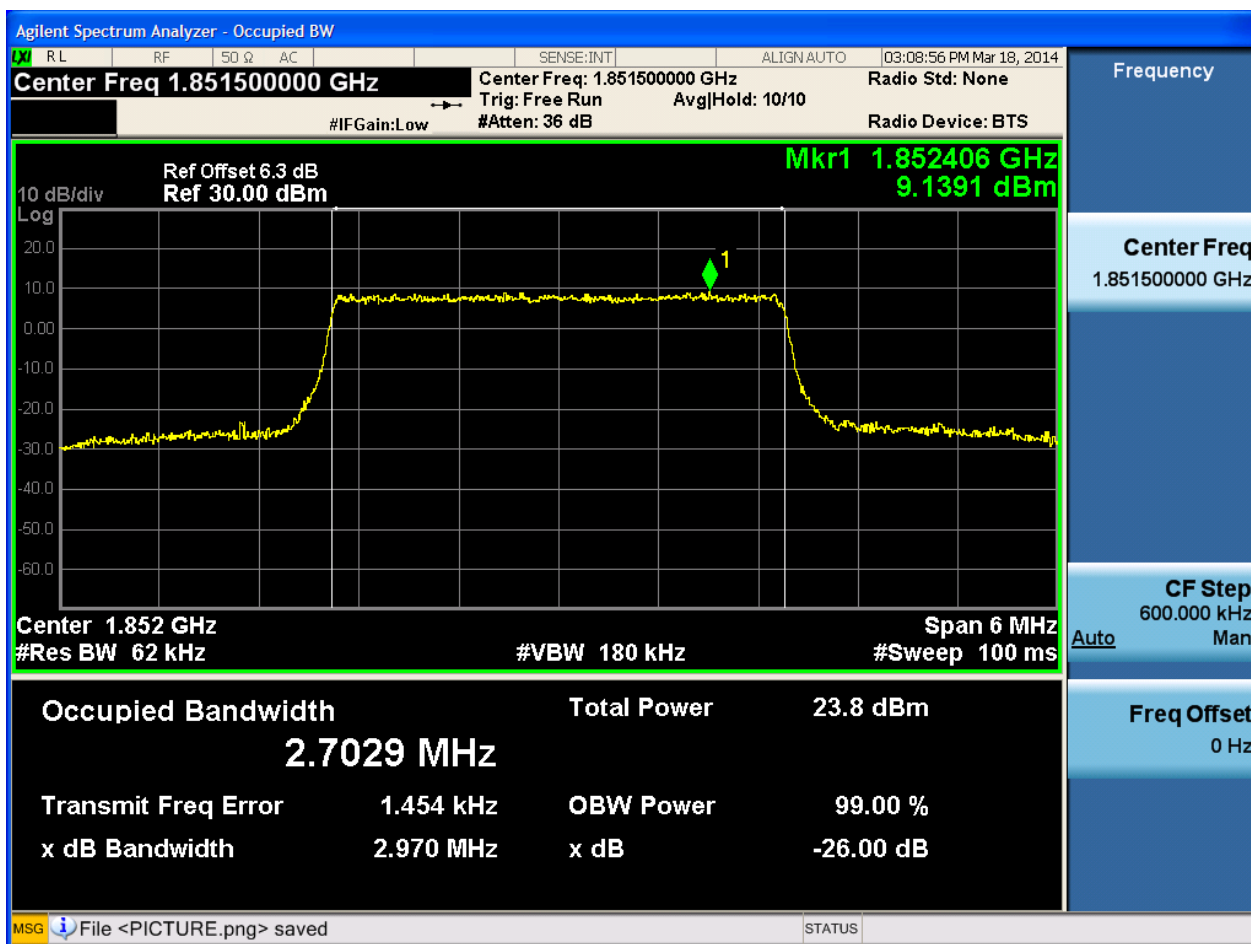




4.2.1.1.2 Test Bandwidth = 3

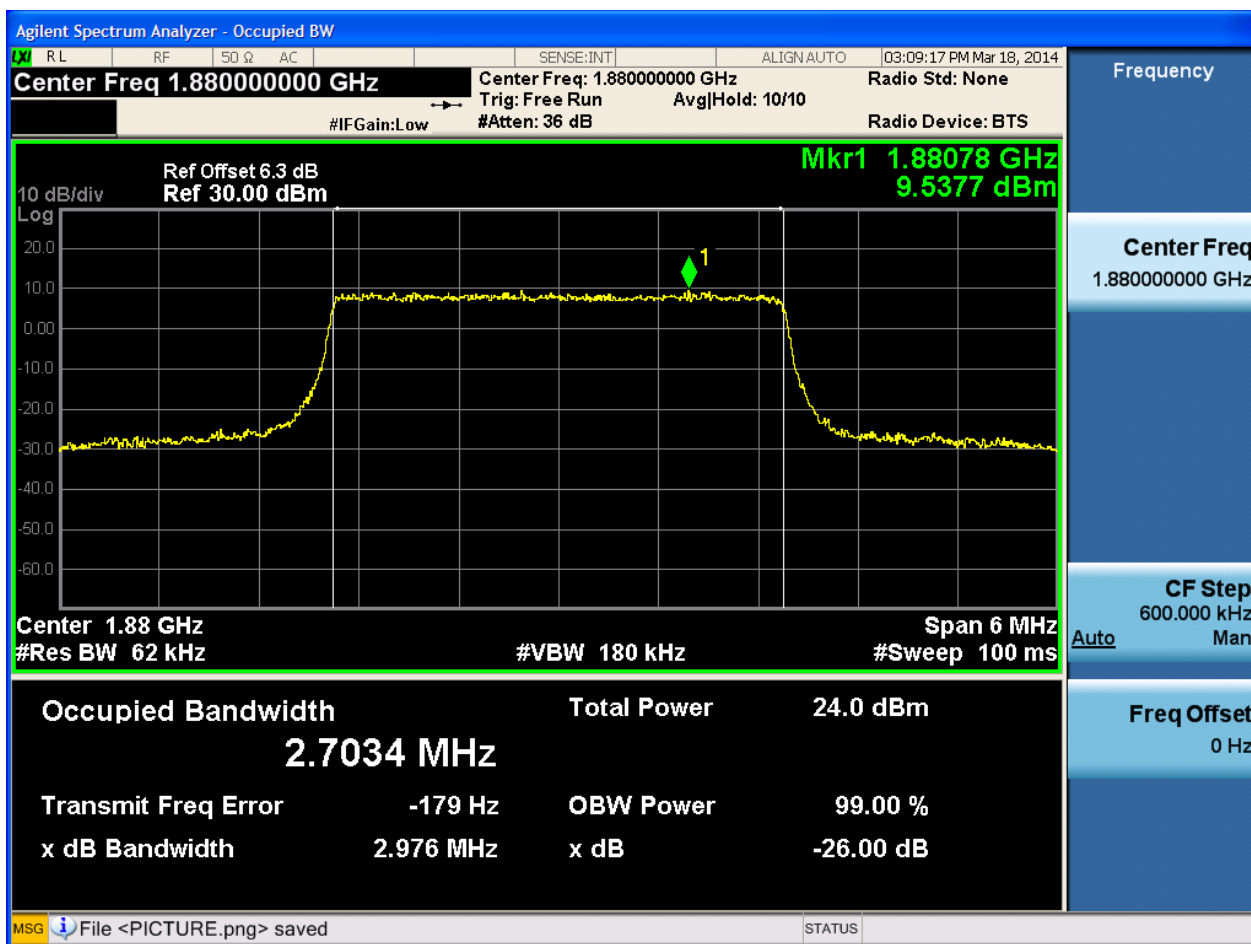
4.2.1.1.2.1 Test Channel = LCH

4.2.1.1.2.1.1 Test RB = RB15#0



4.2.1.1.2.2 Test Channel = MCH

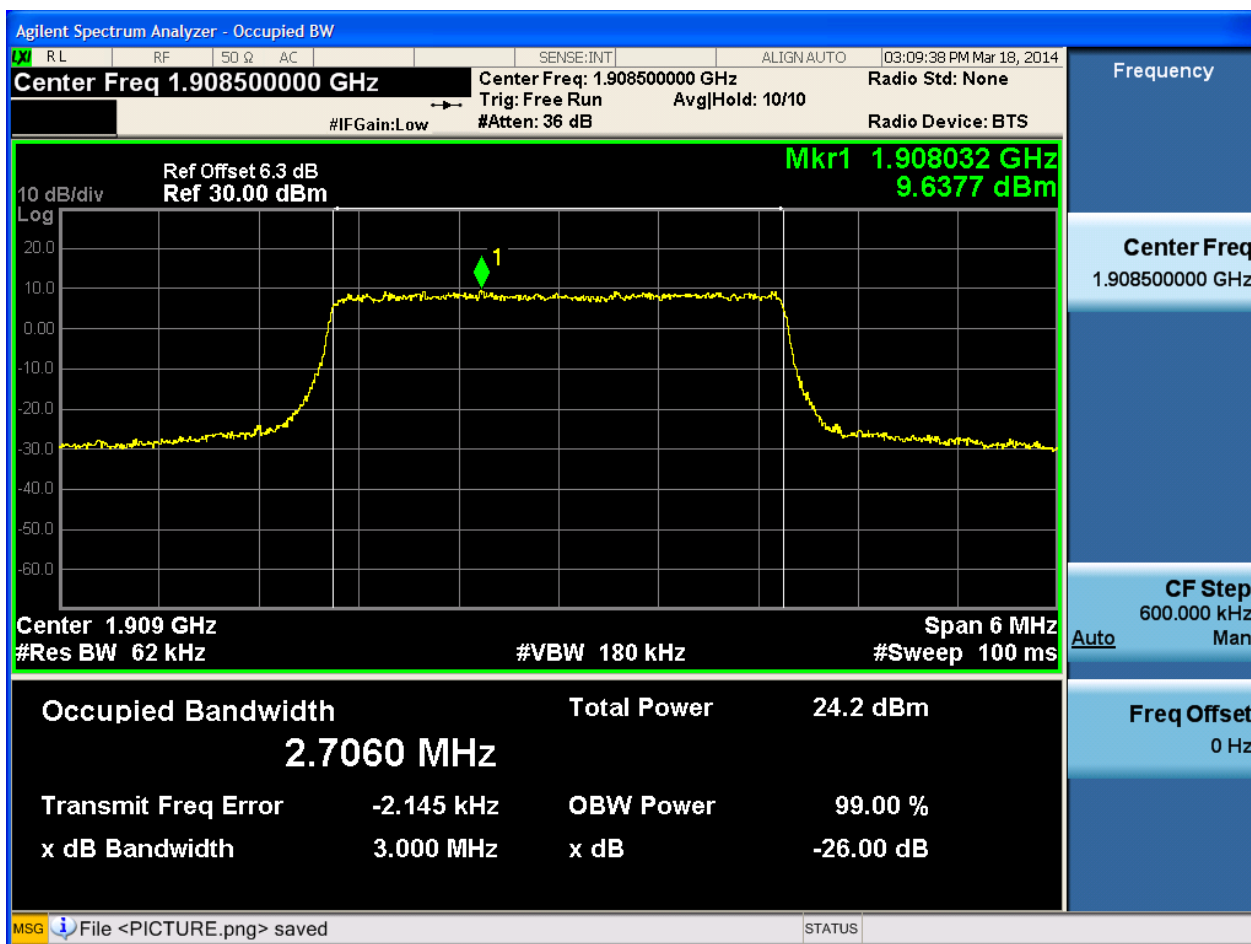
4.2.1.1.2.2.1 Test RB = RB15#0





4.2.1.1.2.3 Test Channel = HCH

4.2.1.1.2.3.1 Test RB = RB15#0

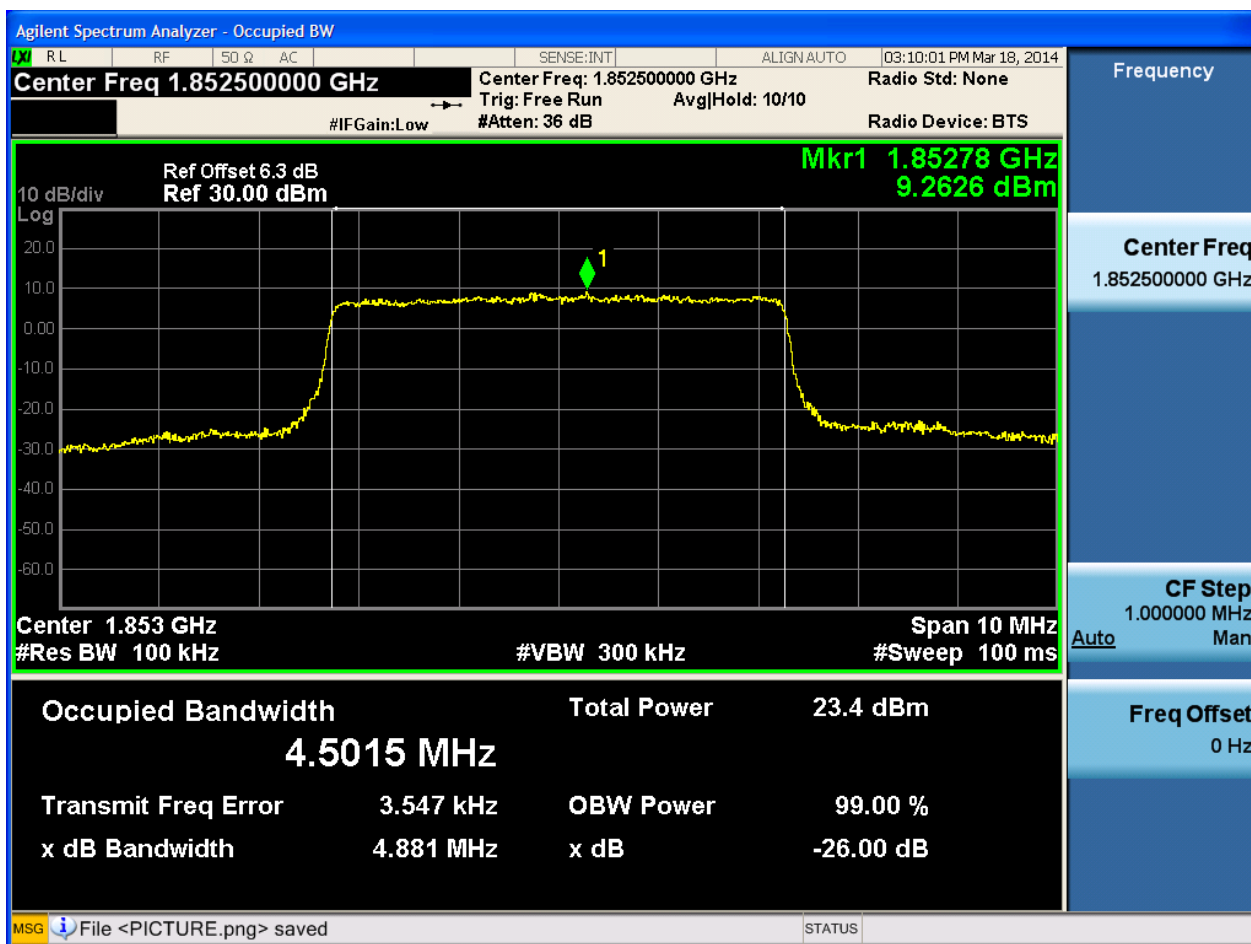




4.2.1.1.3 Test Bandwidth = 5

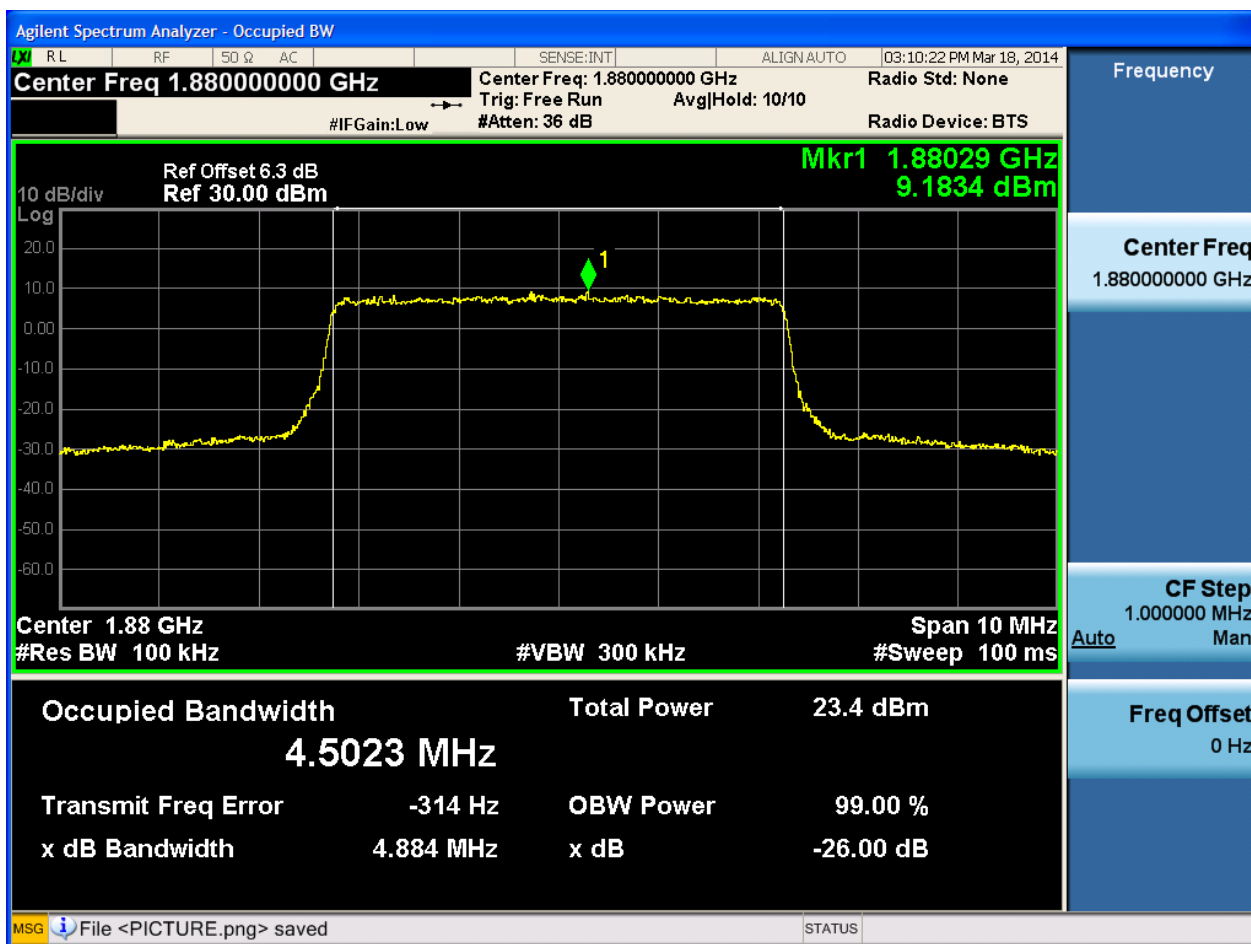
4.2.1.1.3.1 Test Channel = LCH

4.2.1.1.3.1.1 Test RB = RB25#0



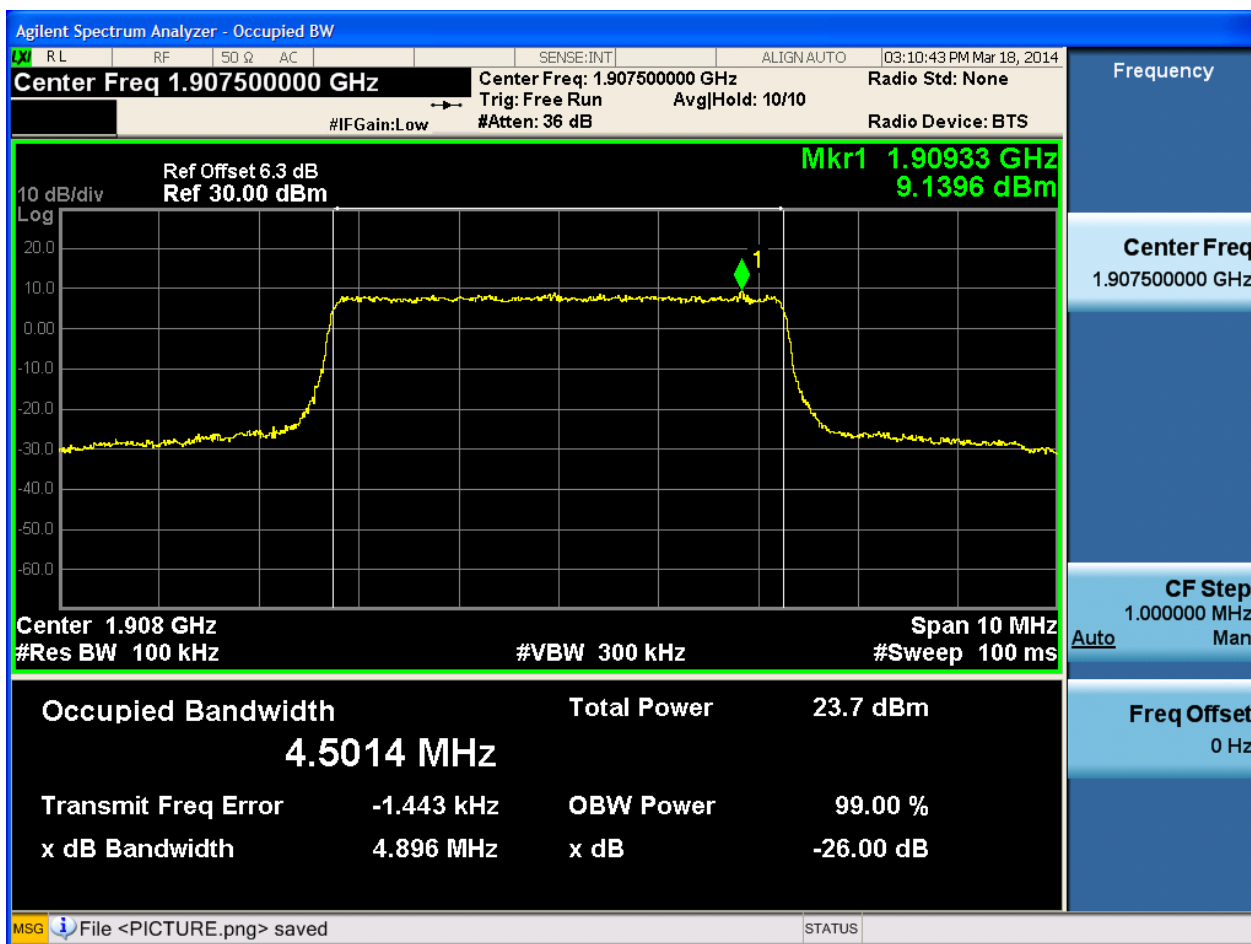
4.2.1.1.3.2 Test Channel = MCH

4.2.1.1.3.2.1 Test RB = RB25#0



4.2.1.1.3.3 Test Channel = HCH

4.2.1.1.3.3.1 Test RB = RB25#0

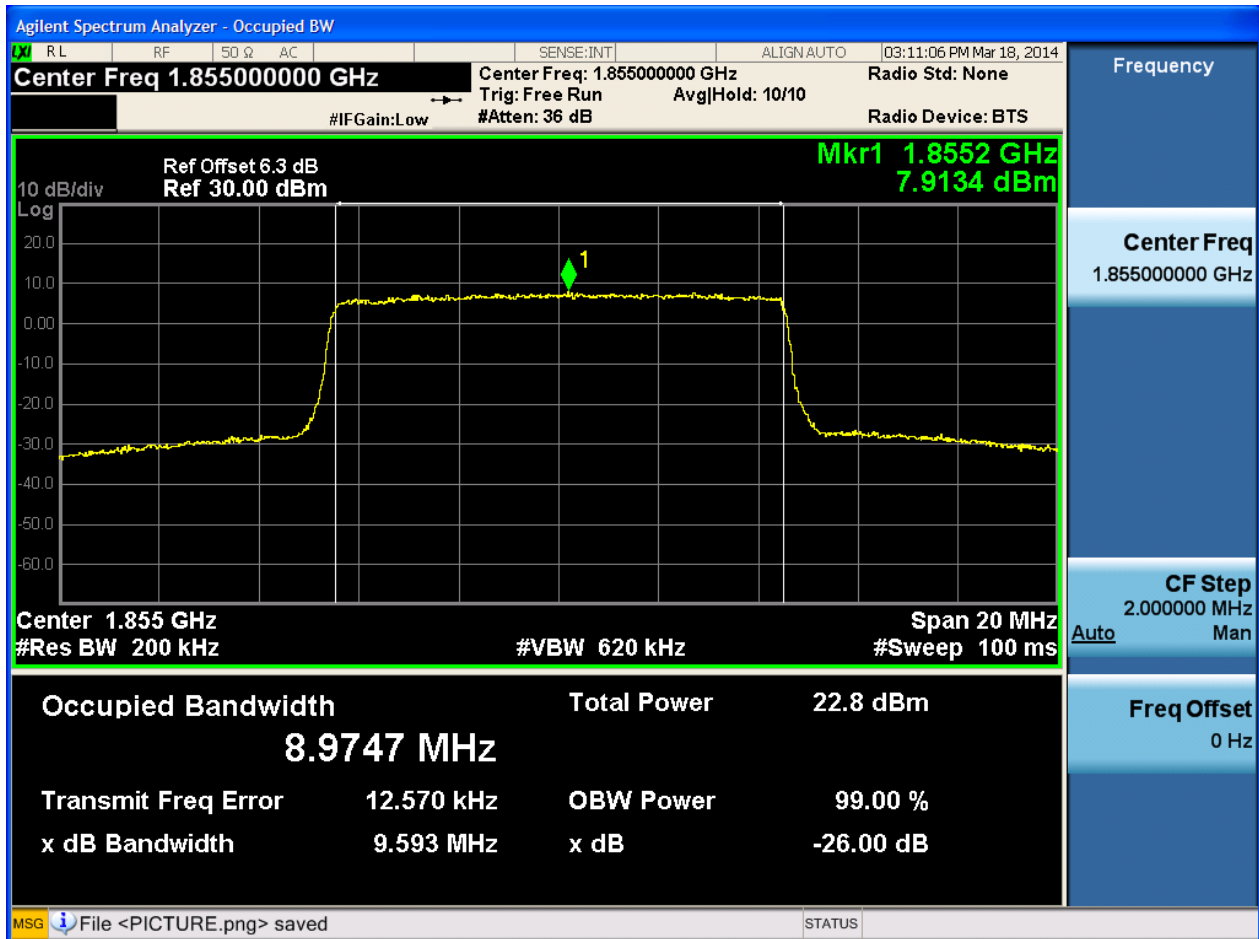




4.2.1.1.4 Test Bandwidth = 10

4.2.1.1.4.1 Test Channel = LCH

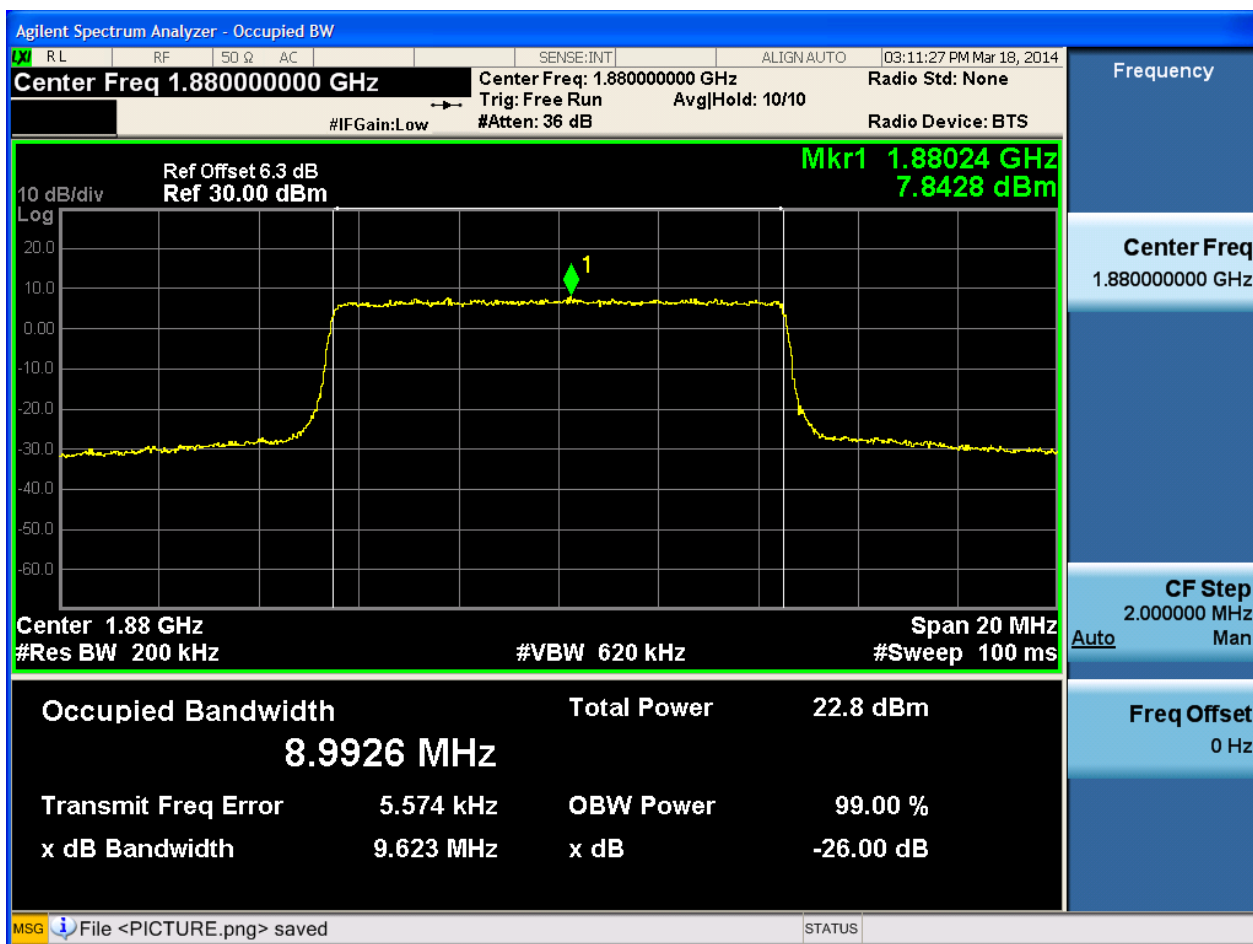
4.2.1.1.4.1.1 Test RB = RB50#0





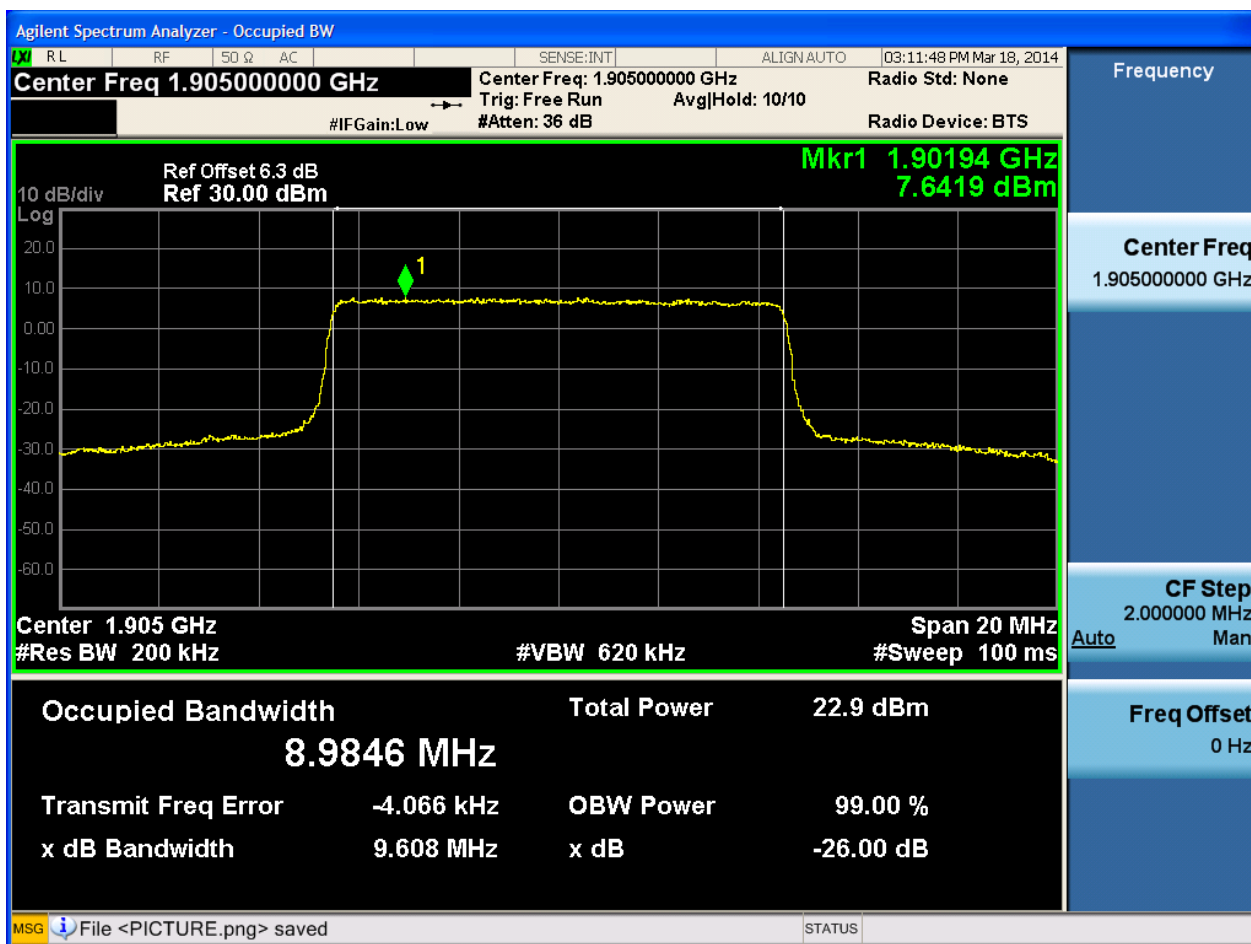
4.2.1.1.4.2 Test Channel = MCH

4.2.1.1.4.2.1 Test RB = RB50#0



4.2.1.1.4.3 Test Channel = HCH

4.2.1.1.4.3.1 Test RB = RB50#0

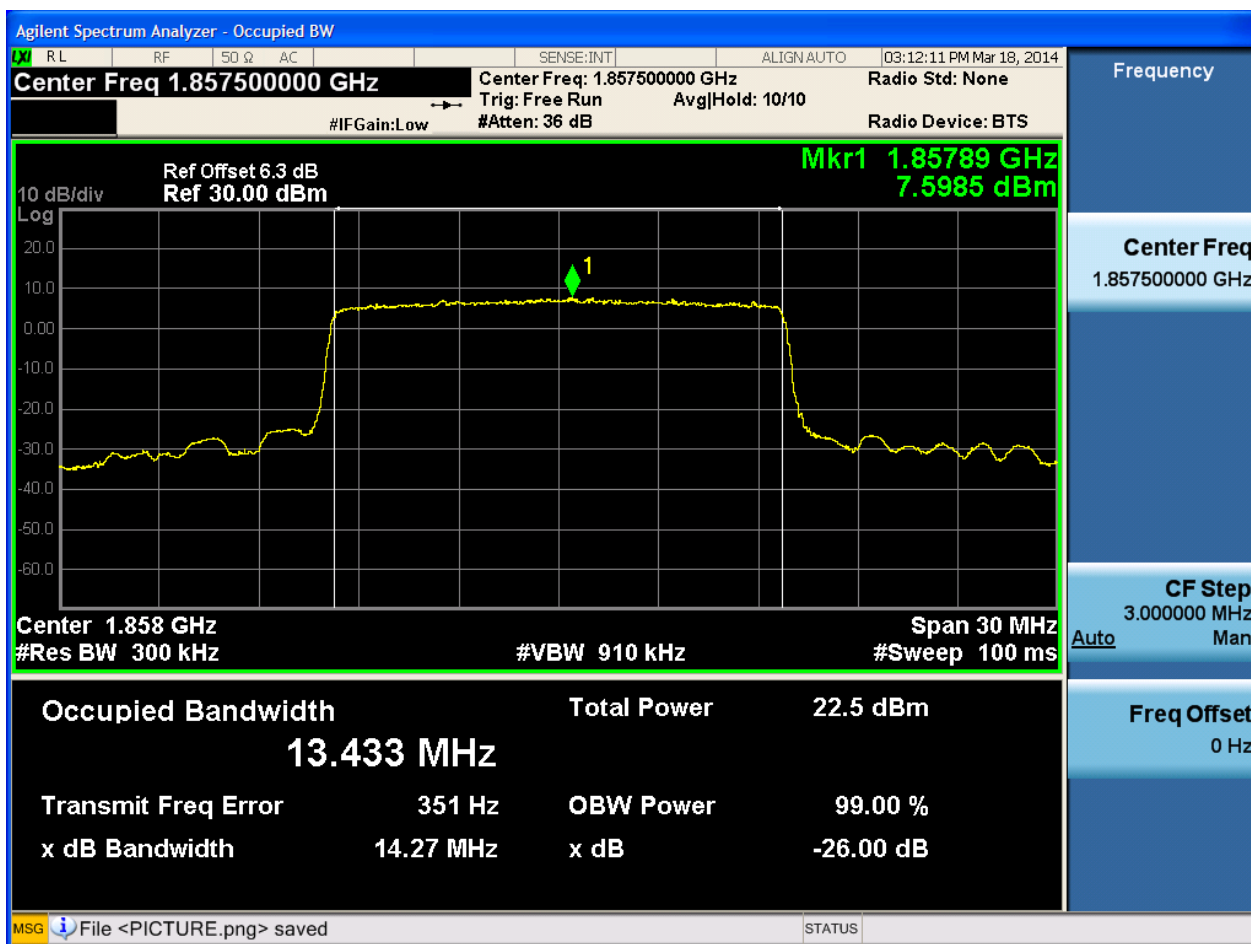




4.2.1.1.5 Test Bandwidth = 15

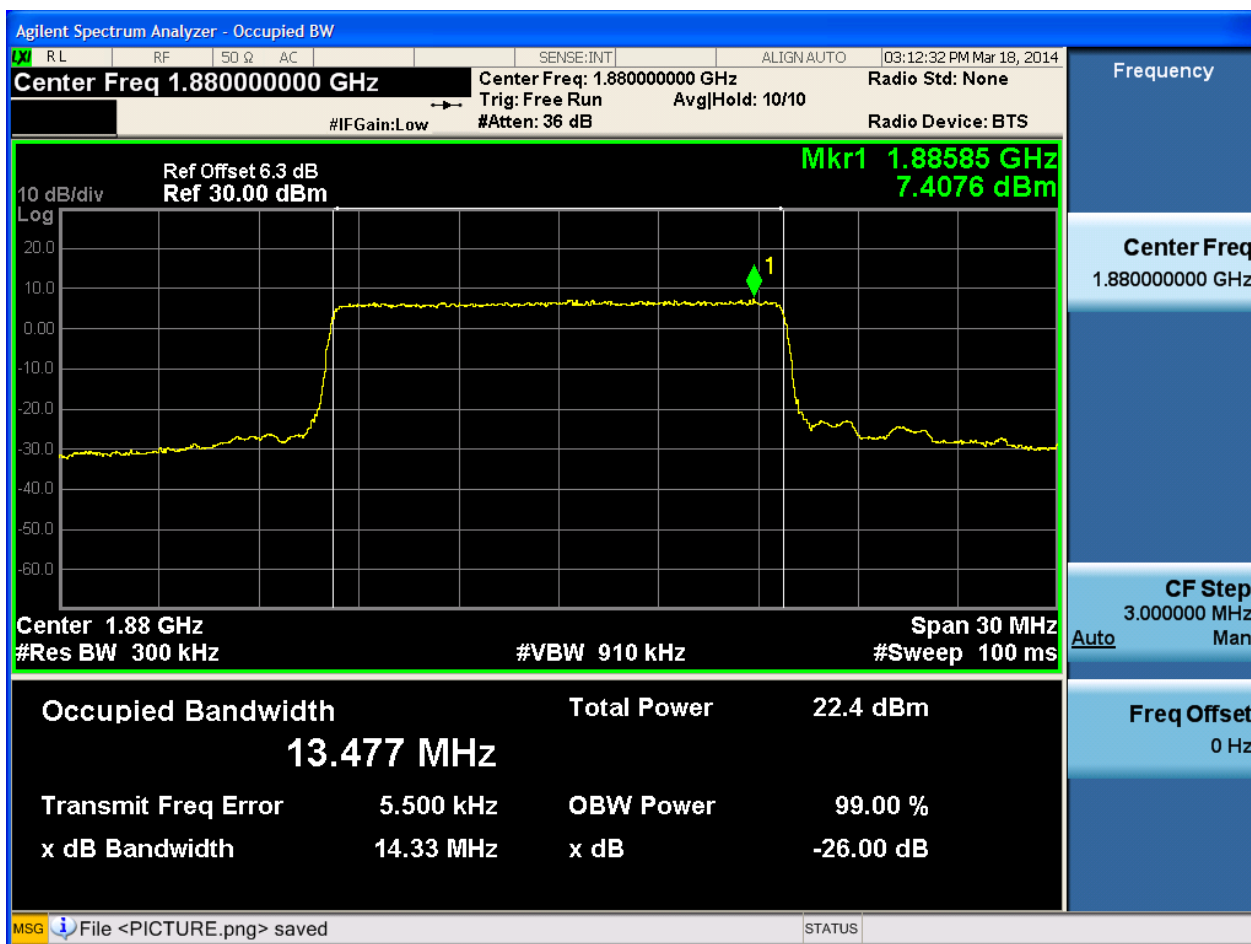
4.2.1.1.5.1 Test Channel = LCH

4.2.1.1.5.1.1 Test RB = RB75#0



4.2.1.1.5.2 Test Channel = MCH

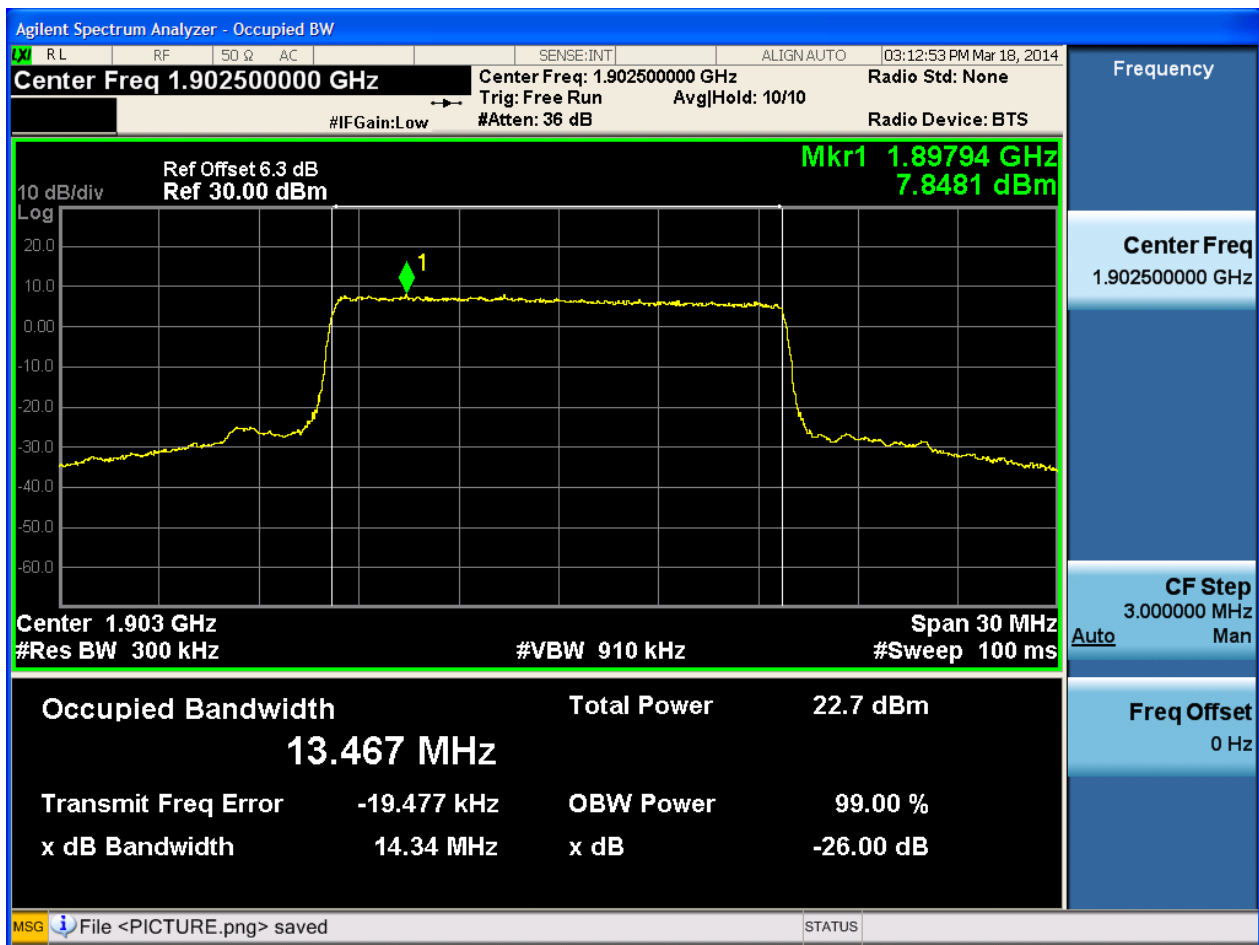
4.2.1.1.5.2.1 Test RB = RB75#0





4.2.1.1.5.3 Test Channel = HCH

4.2.1.1.5.3.1 Test RB = RB75#0

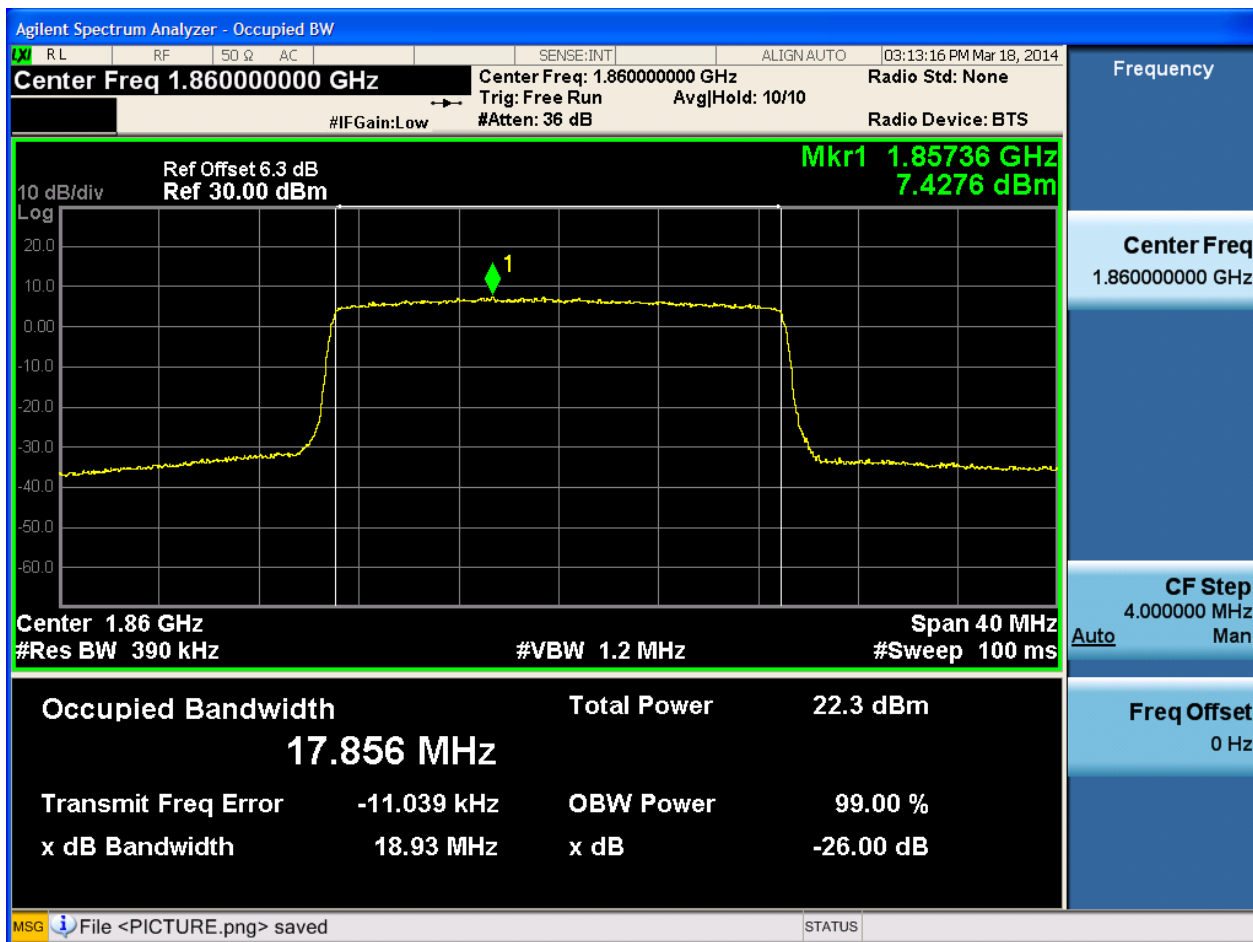




4.2.1.1.6 Test Bandwidth = 20

4.2.1.1.6.1 Test Channel = LCH

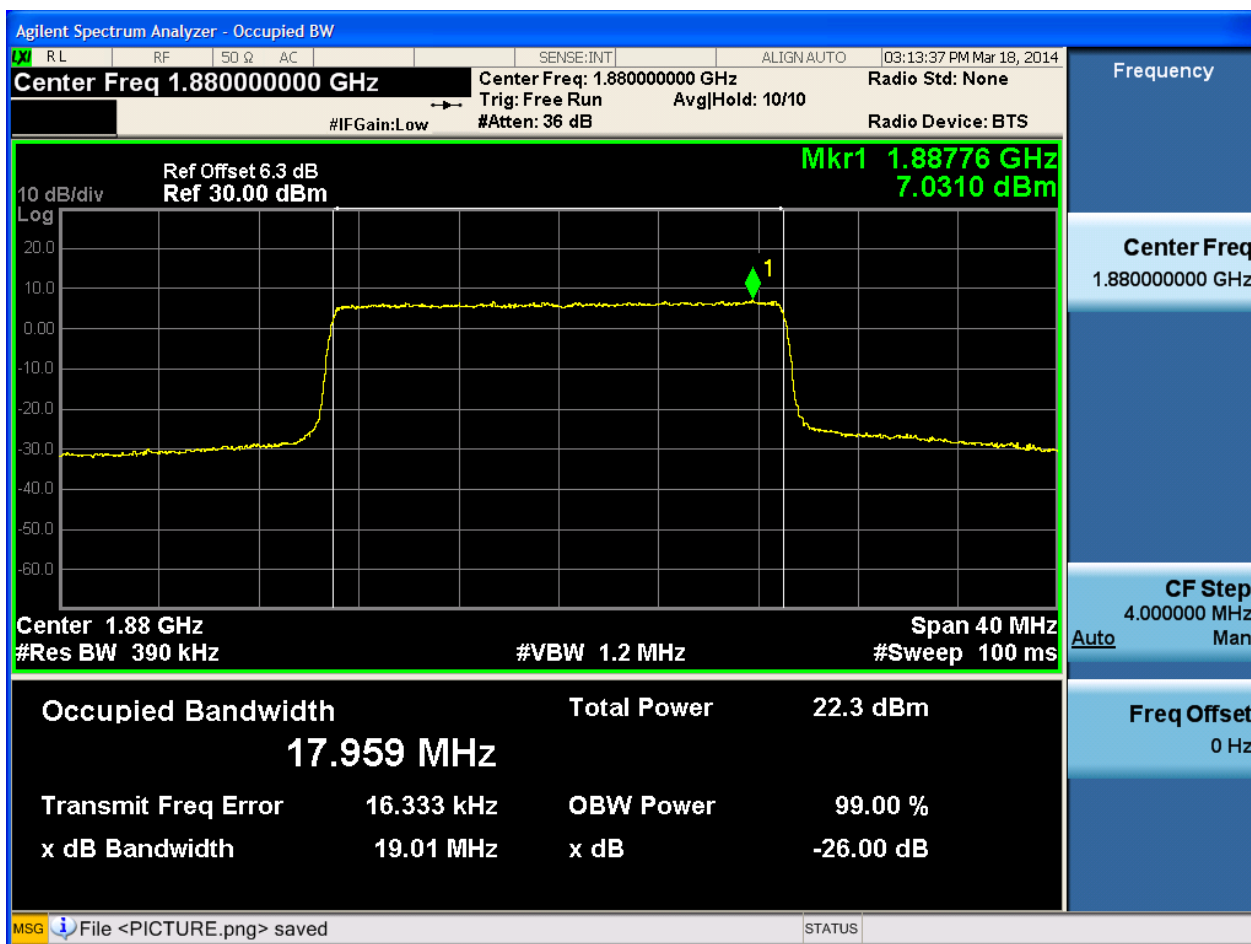
4.2.1.1.6.1.1 Test RB = RB100#0





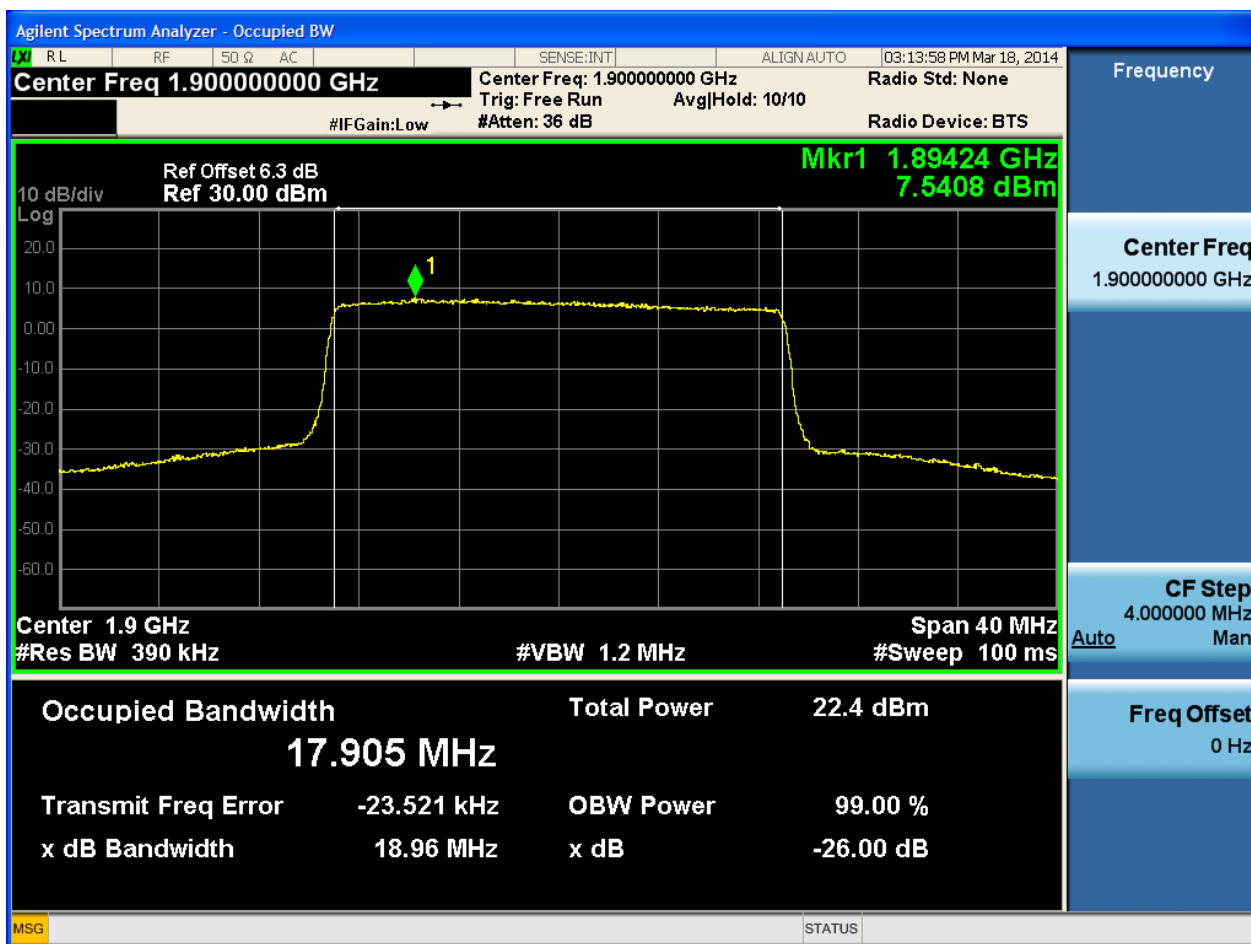
4.2.1.1.6.2 Test Channel = MCH

4.2.1.1.6.2.1 Test RB = RB100#0



4.2.1.1.6.3 Test Channel = HCH

4.2.1.1.6.3.1 Test RB = RB100#0



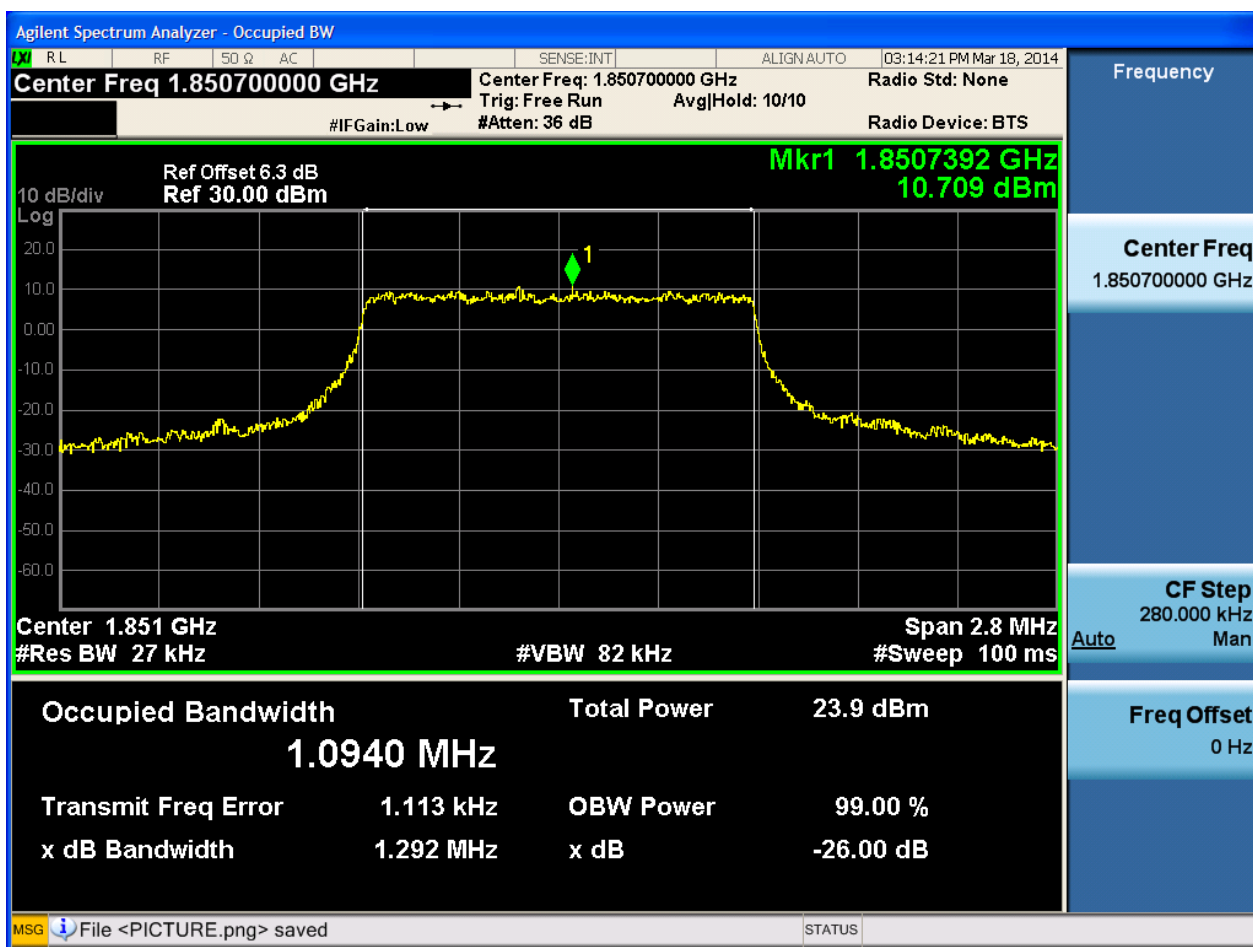


4.2.1.2 Test Mode = LTE/TM2

4.2.1.2.1 Test Bandwidth = 1.4

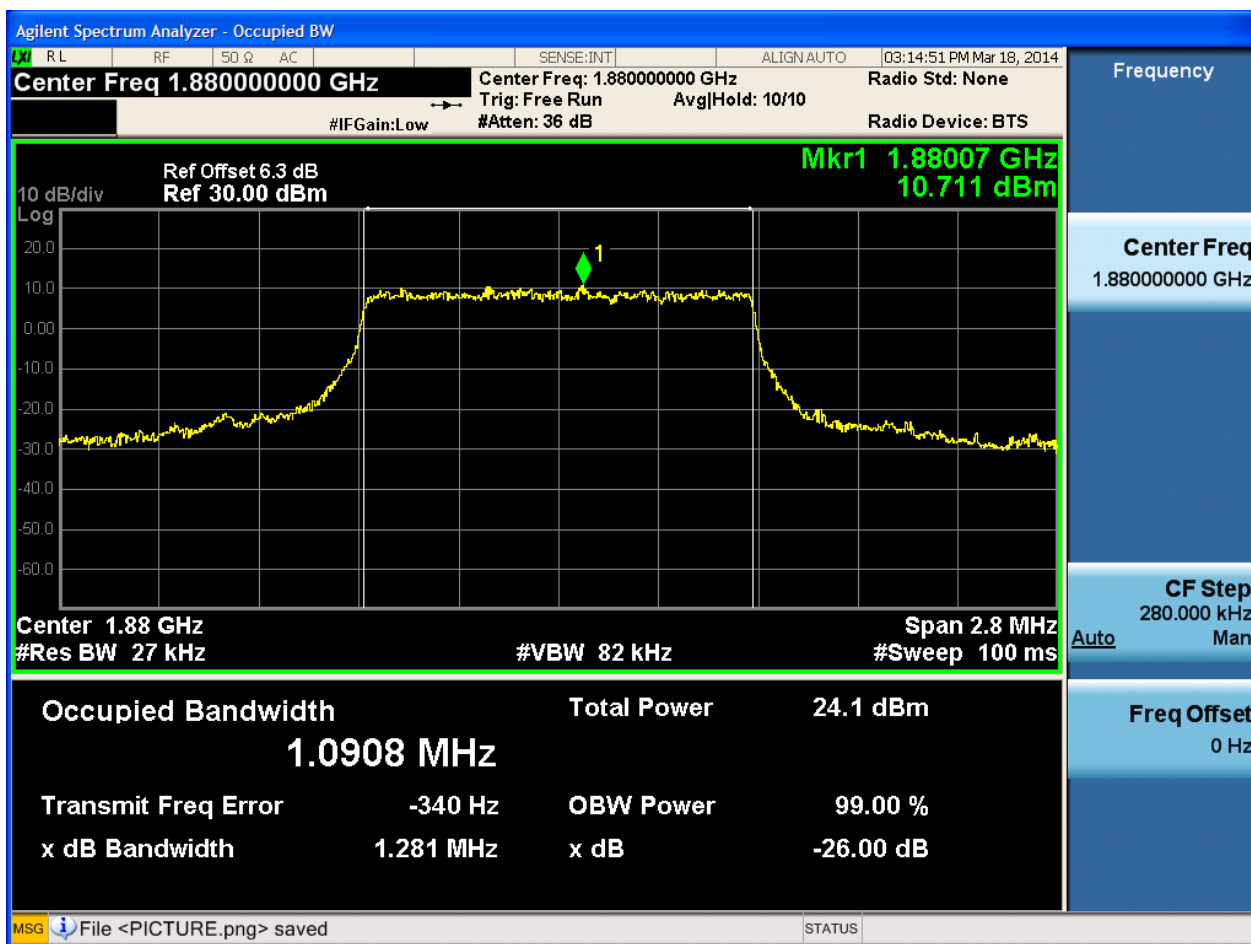
4.2.1.2.1.1 Test Channel = LCH

4.2.1.2.1.1.1 Test RB = RB6#0



4.2.1.2.1.2 Test Channel = MCH

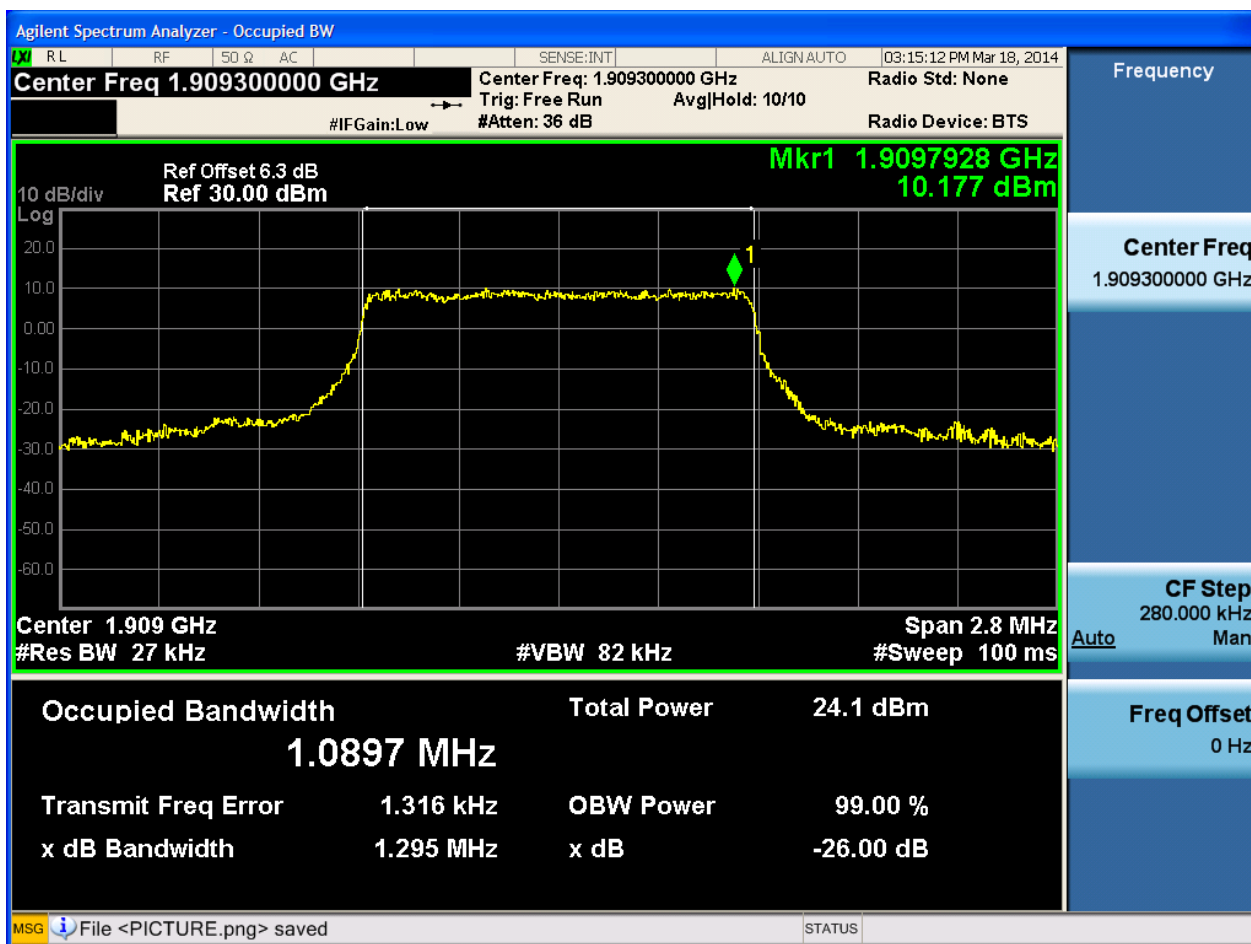
4.2.1.2.1.2.1 Test RB = RB6#0





4.2.1.2.1.3 Test Channel = HCH

4.2.1.2.1.3.1 Test RB = RB6#0

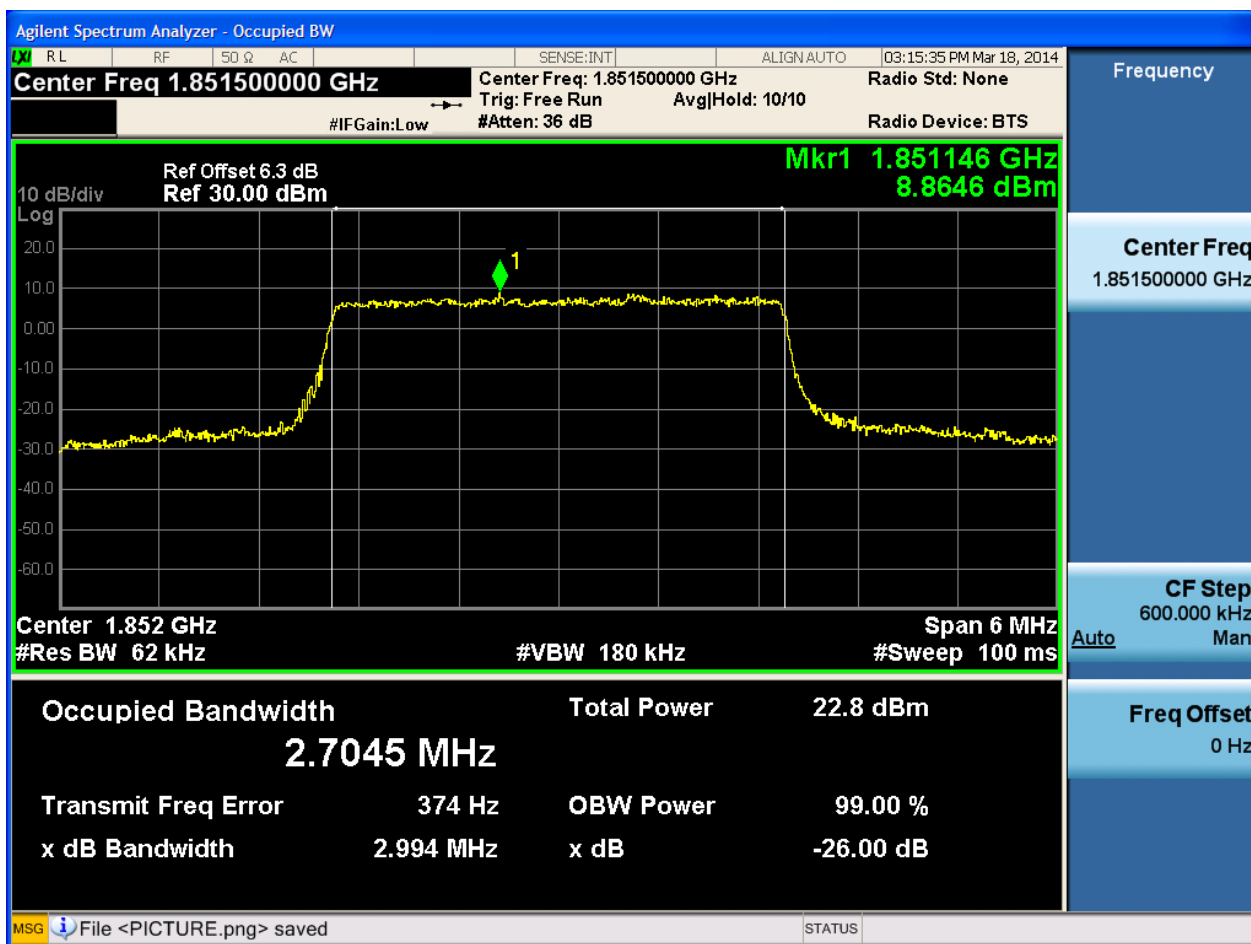




4.2.1.2.2 Test Bandwidth = 3

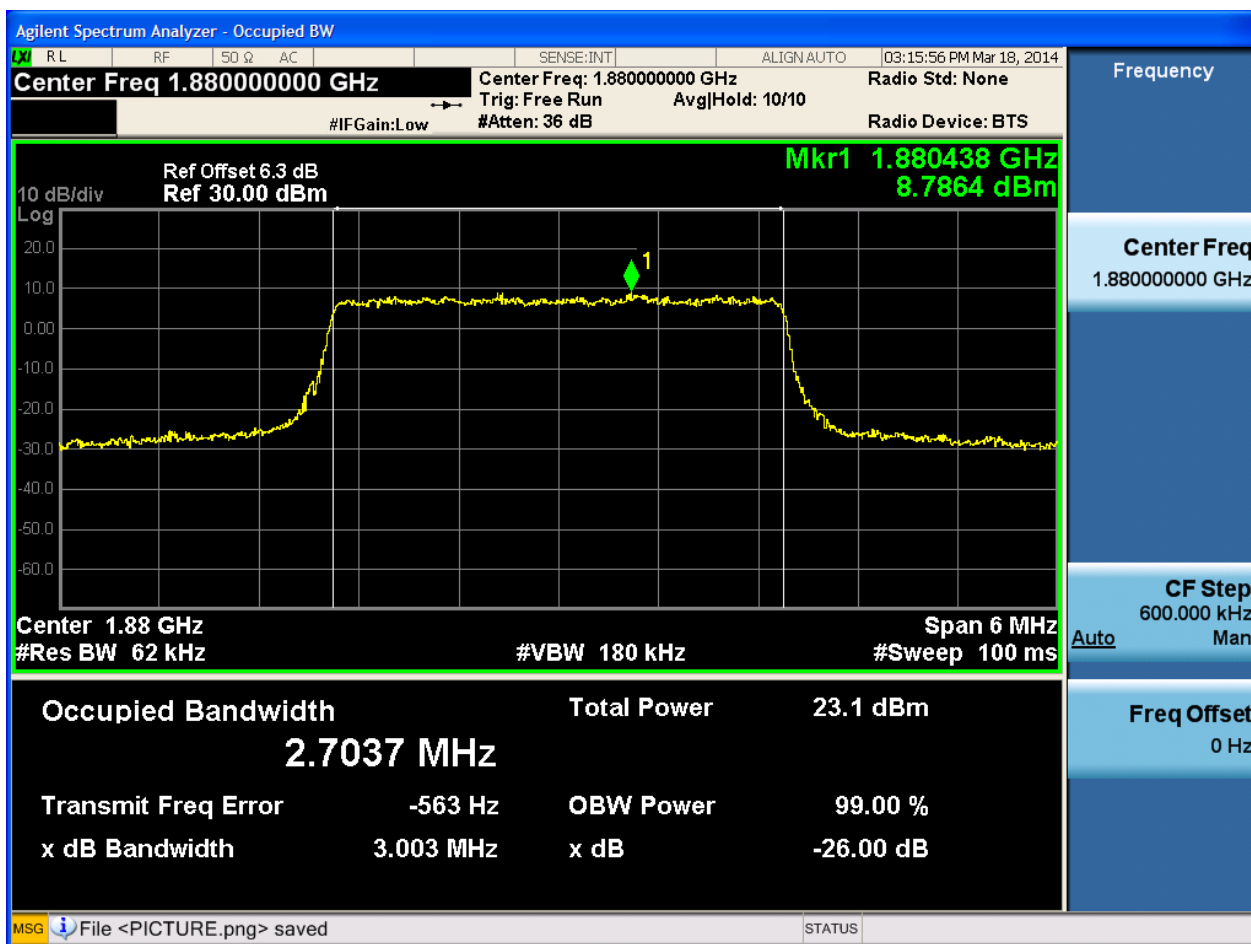
4.2.1.2.2.1 Test Channel = LCH

4.2.1.2.2.1.1 Test RB = RB15#0



4.2.1.2.2.2 Test Channel = MCH

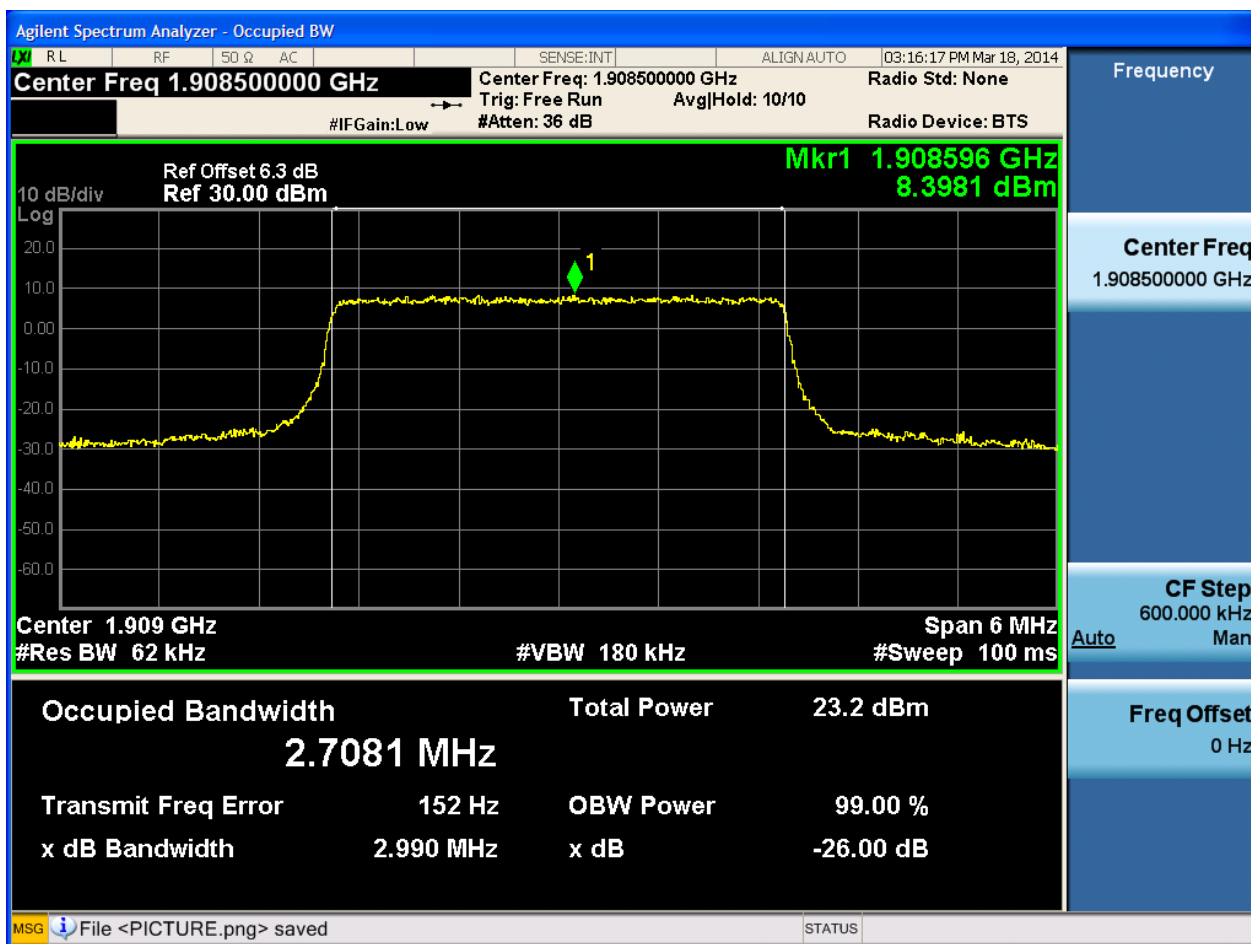
4.2.1.2.2.2.1 Test RB = RB15#0





4.2.1.2.2.3 Test Channel = HCH

4.2.1.2.2.3.1 Test RB = RB15#0

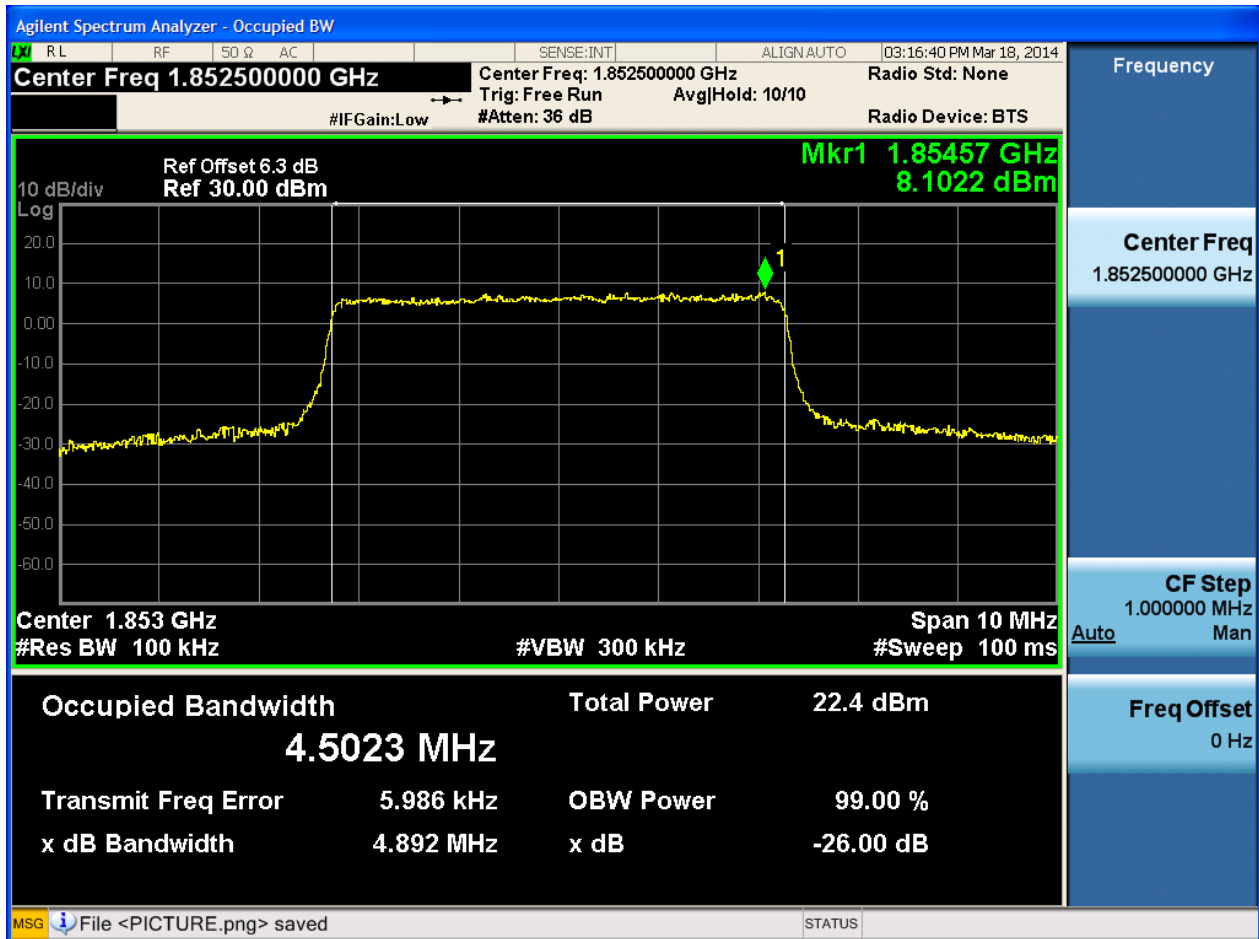




4.2.1.2.3 Test Bandwidth = 5

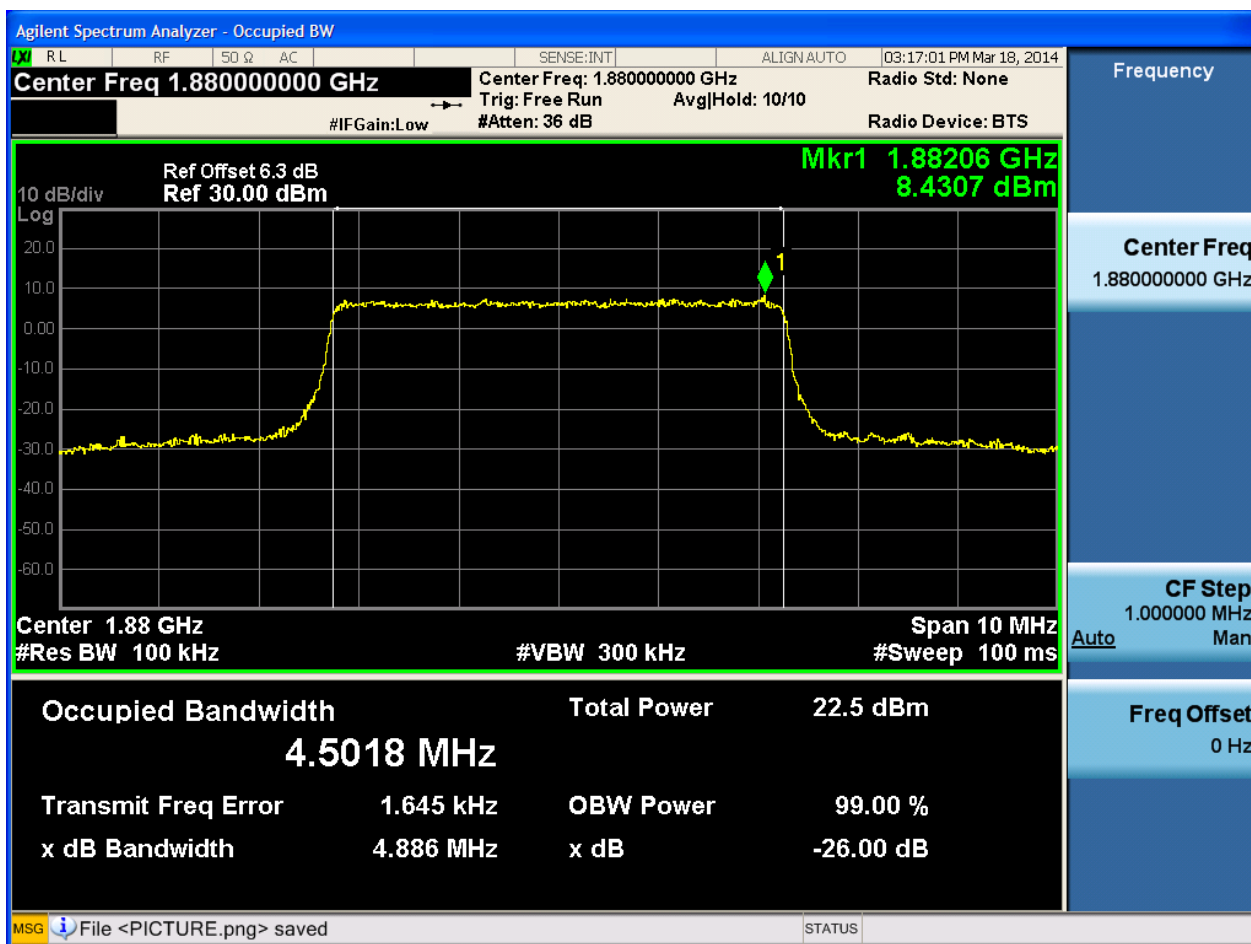
4.2.1.2.3.1 Test Channel = LCH

4.2.1.2.3.1.1 Test RB = RB25#0



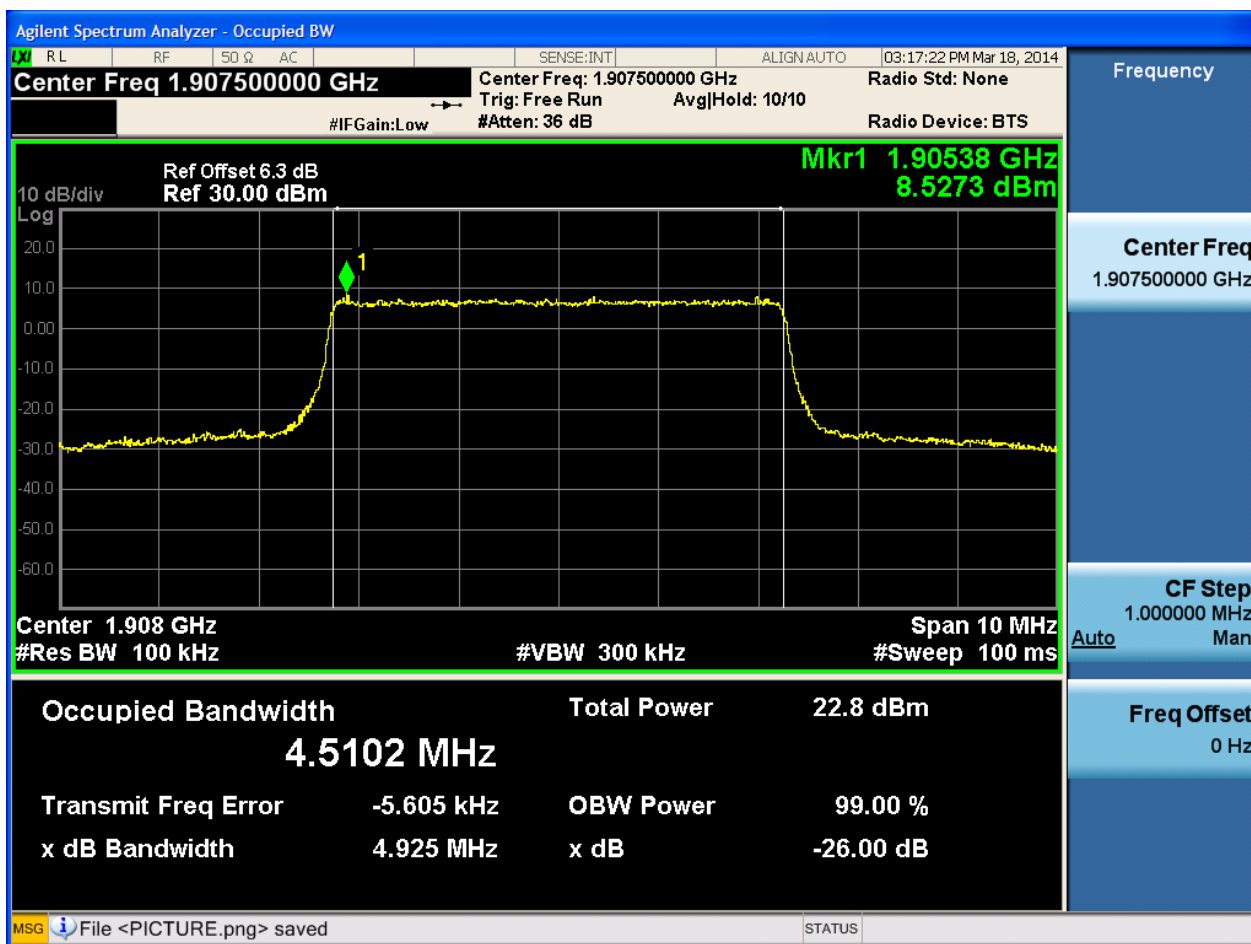
4.2.1.2.3.2 Test Channel = MCH

4.2.1.2.3.2.1 Test RB = RB25#0



4.2.1.2.3.3 Test Channel = HCH

4.2.1.2.3.3.1 Test RB = RB25#0

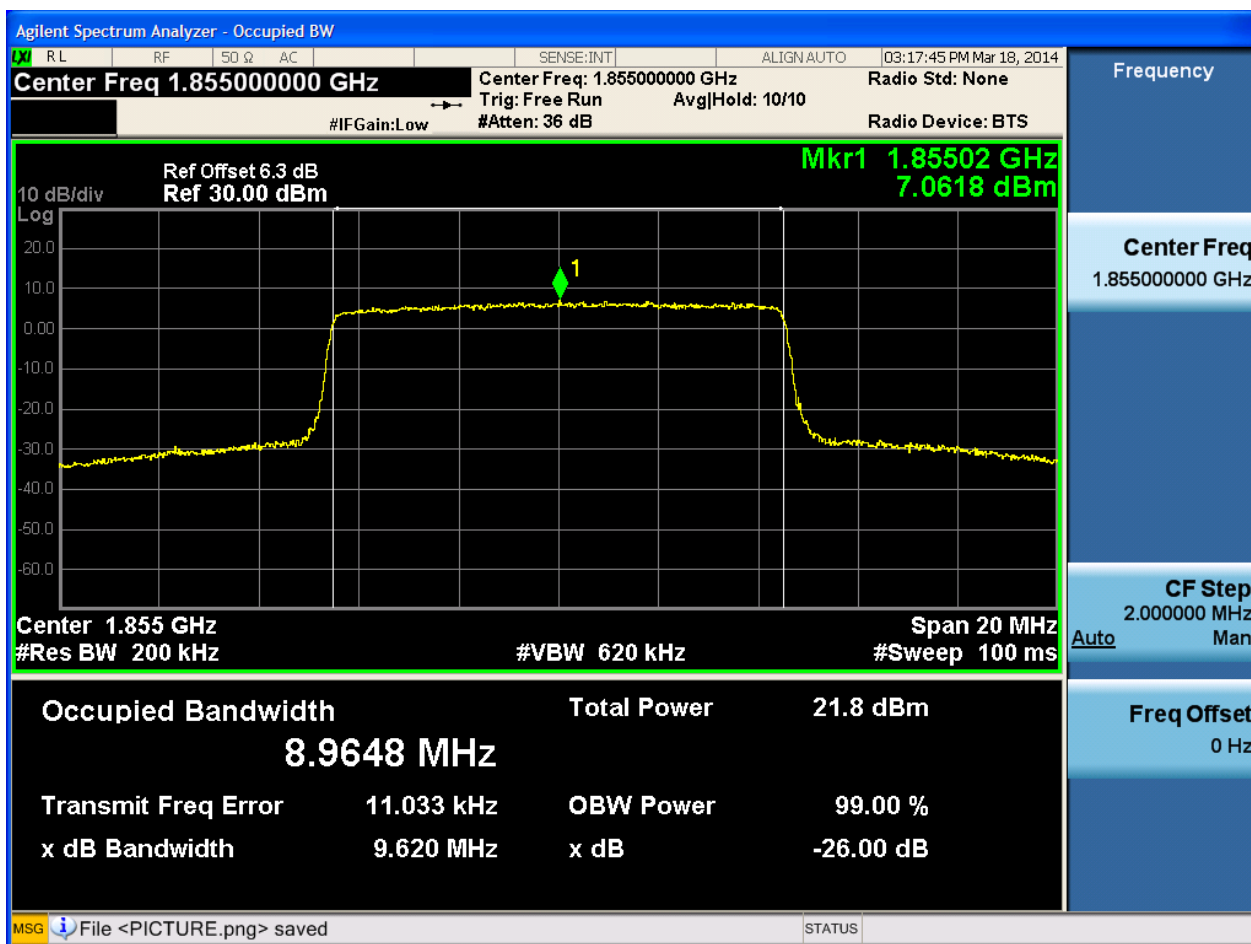




4.2.1.2.4 Test Bandwidth = 10

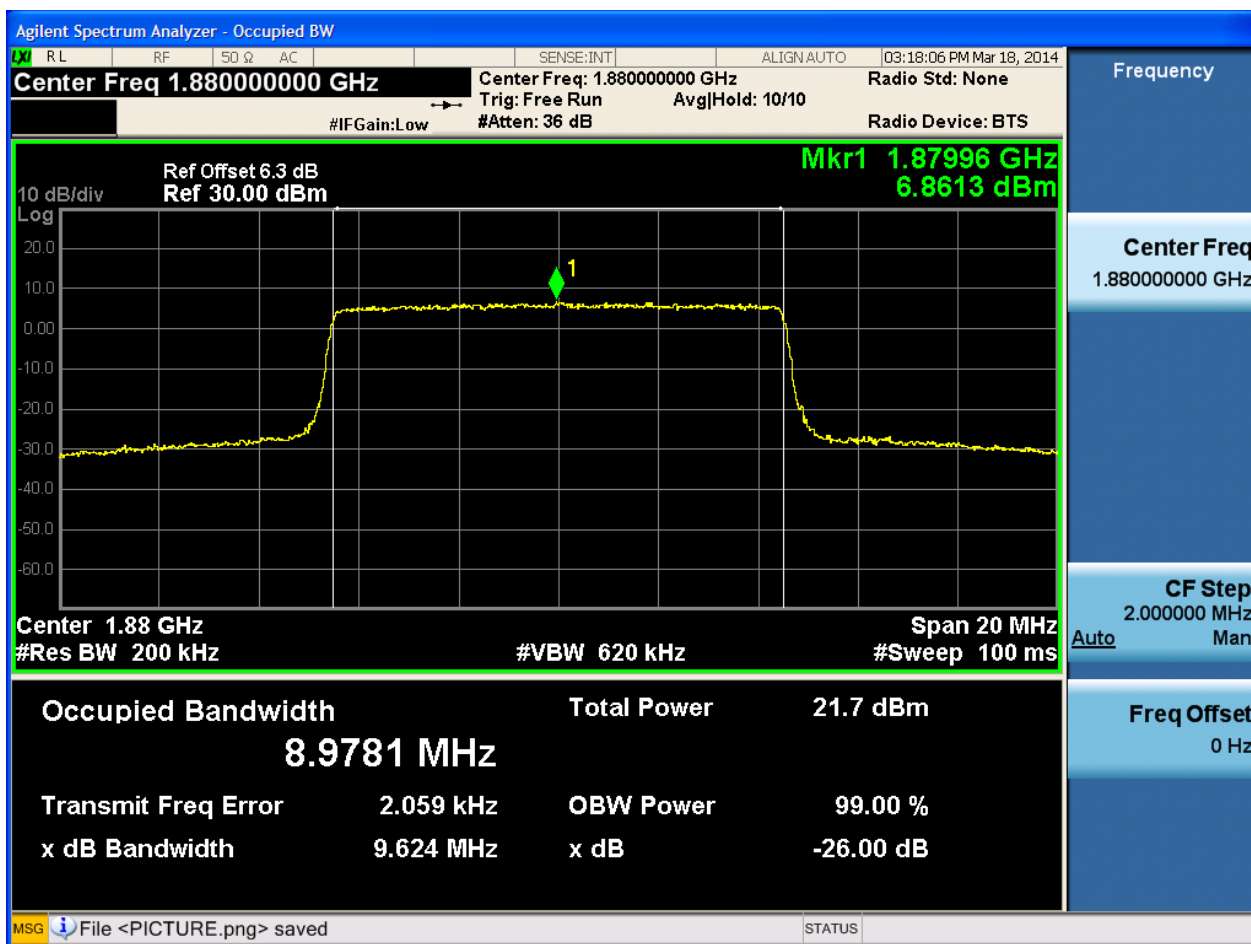
4.2.1.2.4.1 Test Channel = LCH

4.2.1.2.4.1.1 Test RB = RB50#0



4.2.1.2.4.2 Test Channel = MCH

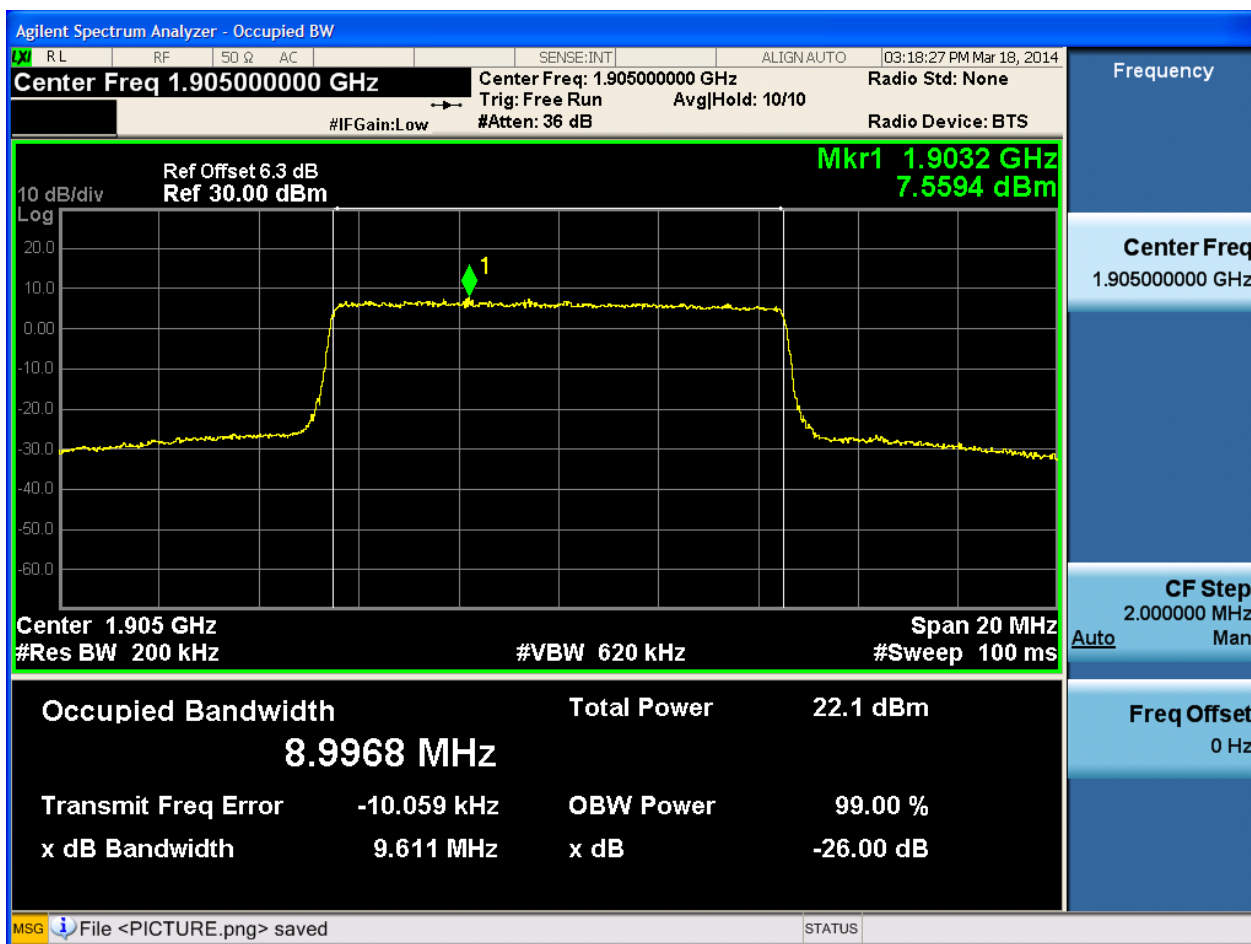
4.2.1.2.4.2.1 Test RB = RB50#0





4.2.1.2.4.3 Test Channel = HCH

4.2.1.2.4.3.1 Test RB = RB50#0

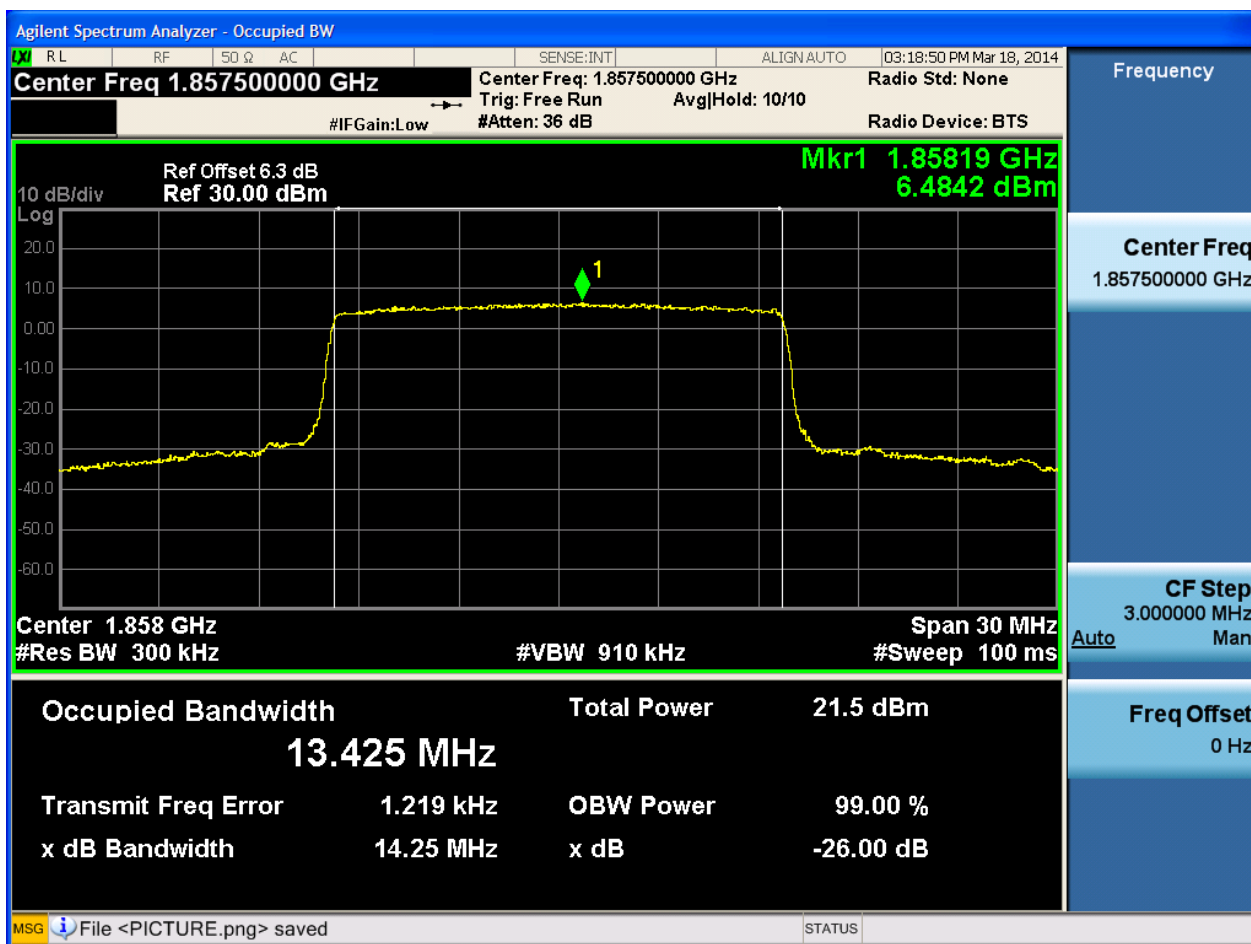




4.2.1.2.5 Test Bandwidth = 15

4.2.1.2.5.1 Test Channel = LCH

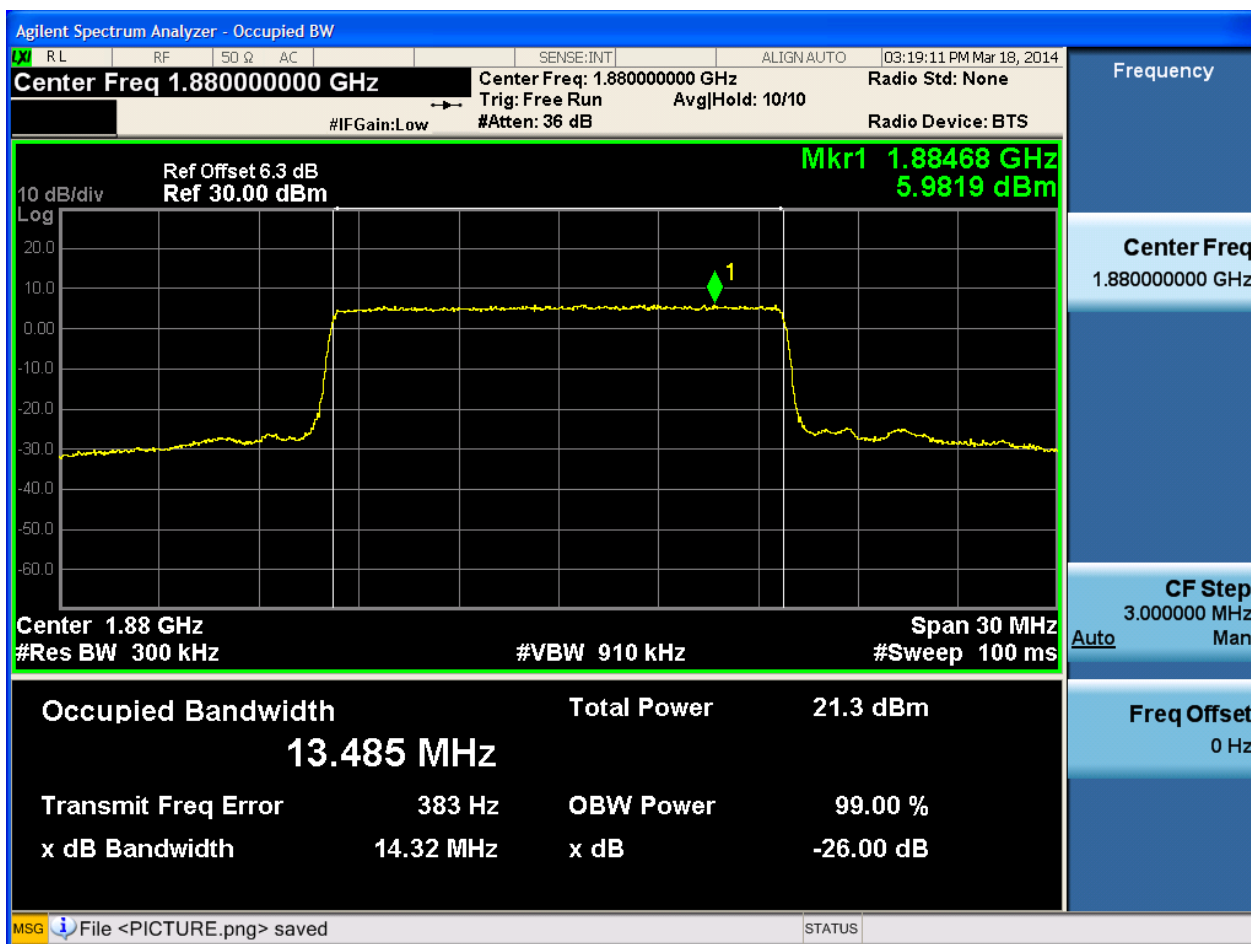
4.2.1.2.5.1.1 Test RB = RB75#0





4.2.1.2.5.2 Test Channel = MCH

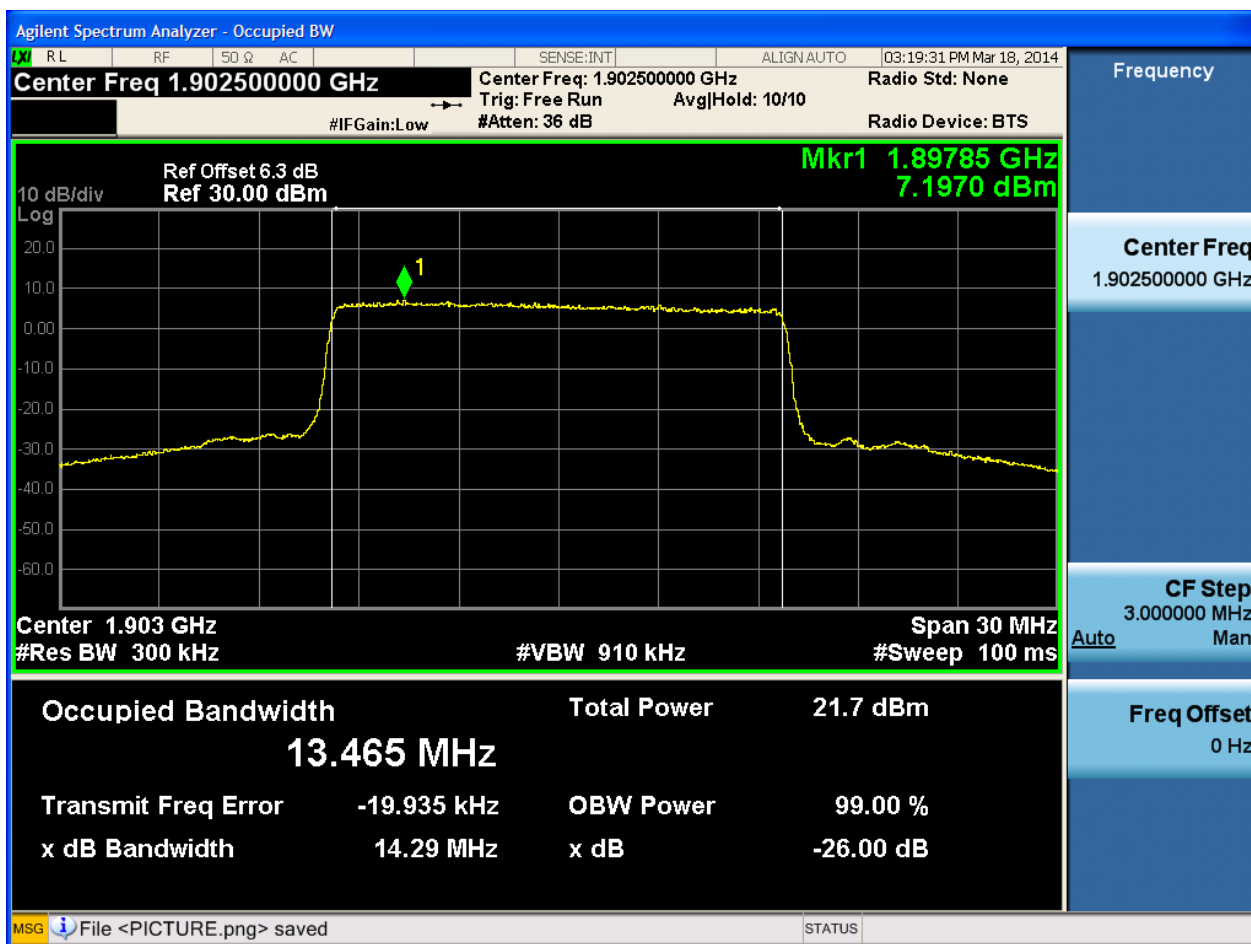
4.2.1.2.5.2.1 Test RB = RB75#0





4.2.1.2.5.3 Test Channel = HCH

4.2.1.2.5.3.1 Test RB = RB75#0

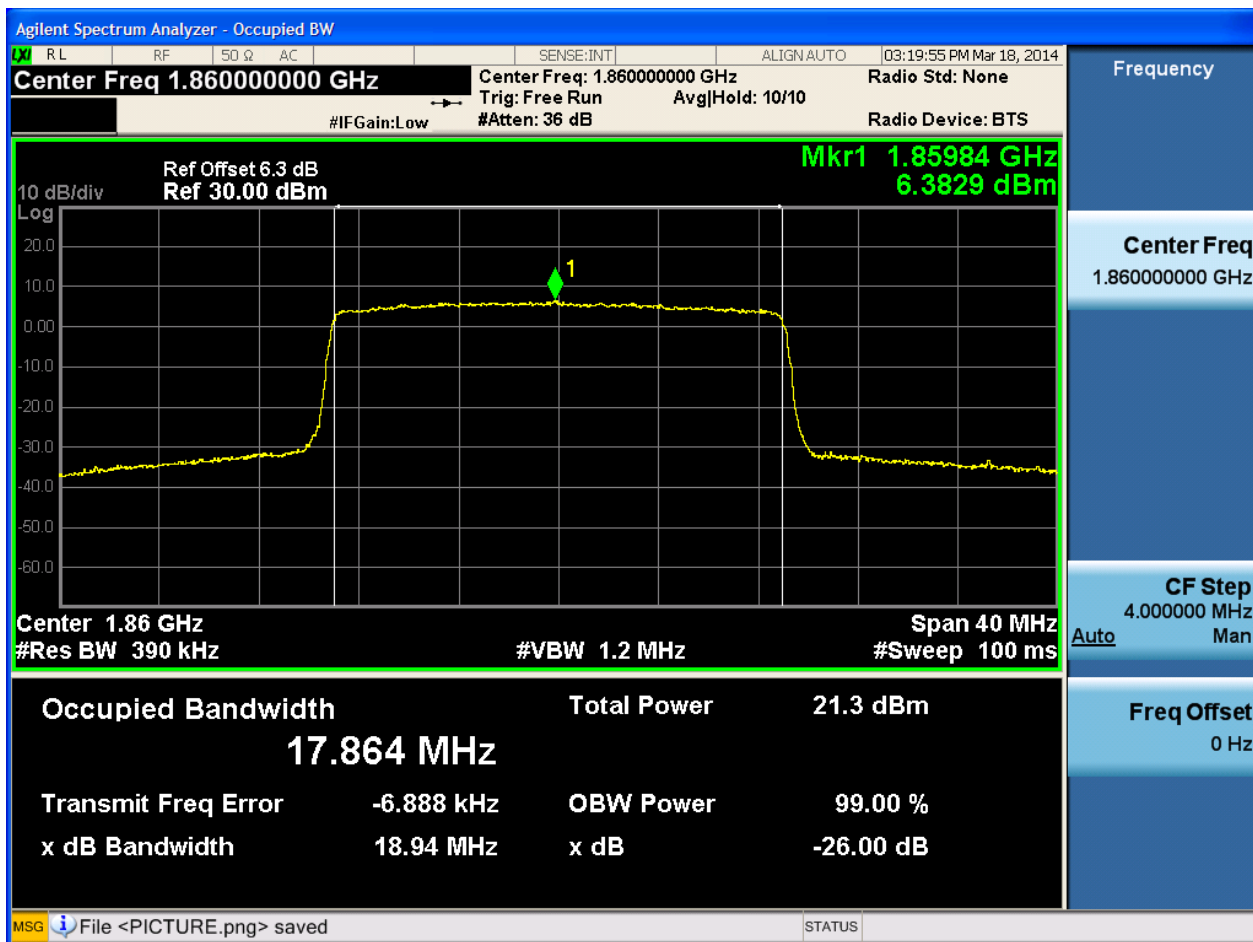




4.2.1.2.6 Test Bandwidth = 20

4.2.1.2.6.1 Test Channel = LCH

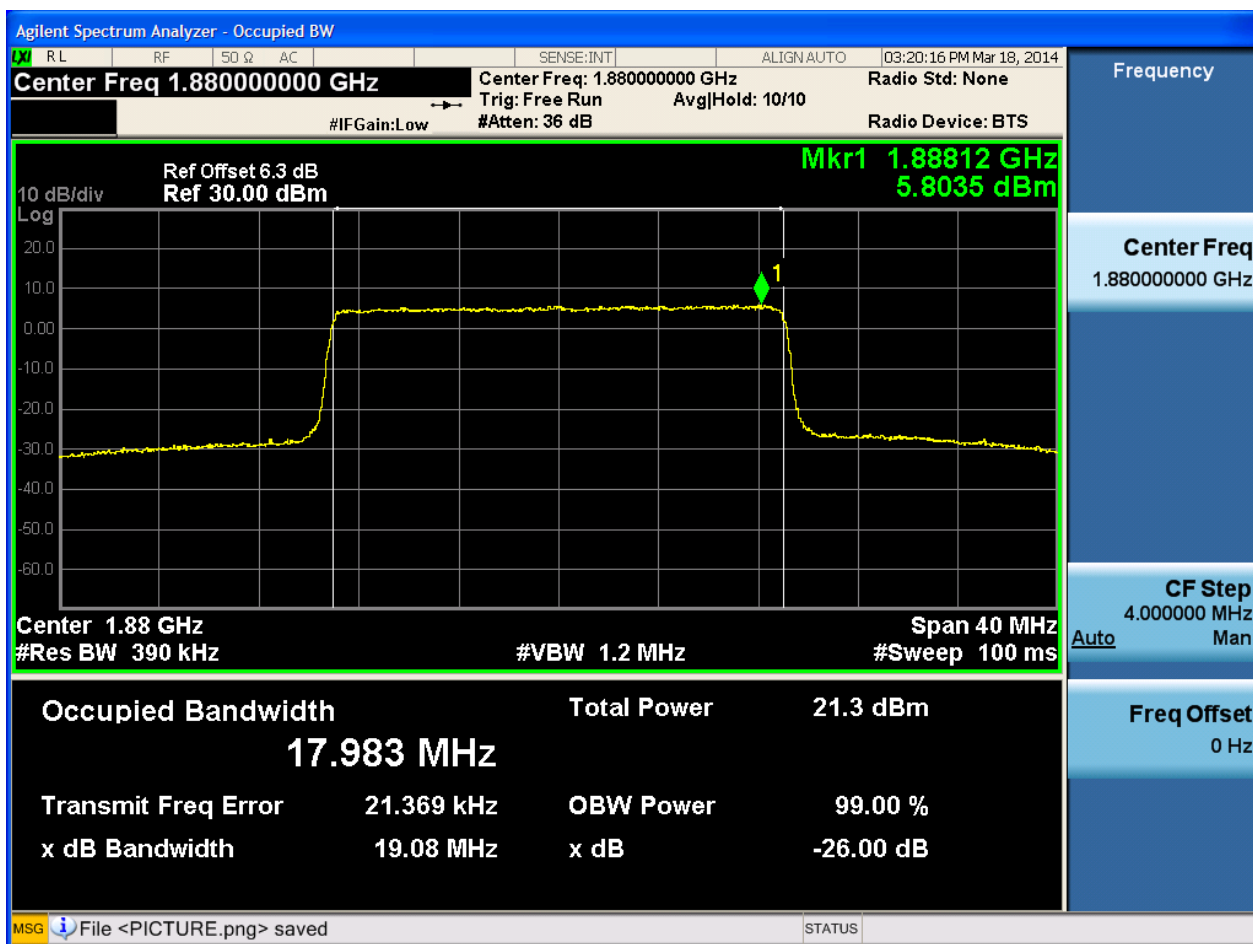
4.2.1.2.6.1.1 Test RB = RB100#0





4.2.1.2.6.2 Test Channel = MCH

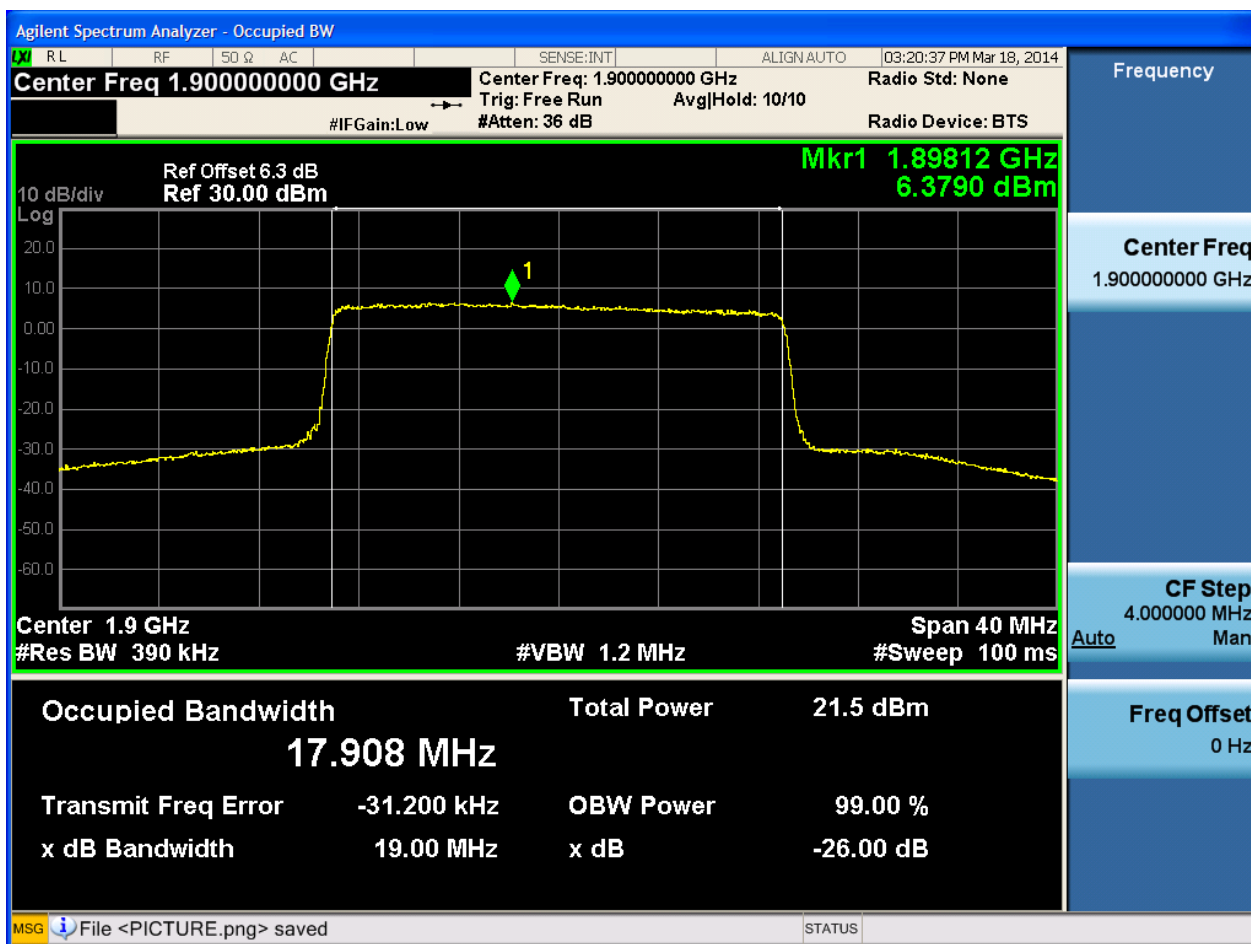
4.2.1.2.6.2.1 Test RB = RB100#0





4.2.1.2.6.3 Test Channel = HCH

4.2.1.2.6.3.1 Test RB = RB100#0





5Appendix_E: Band Edges Compliance

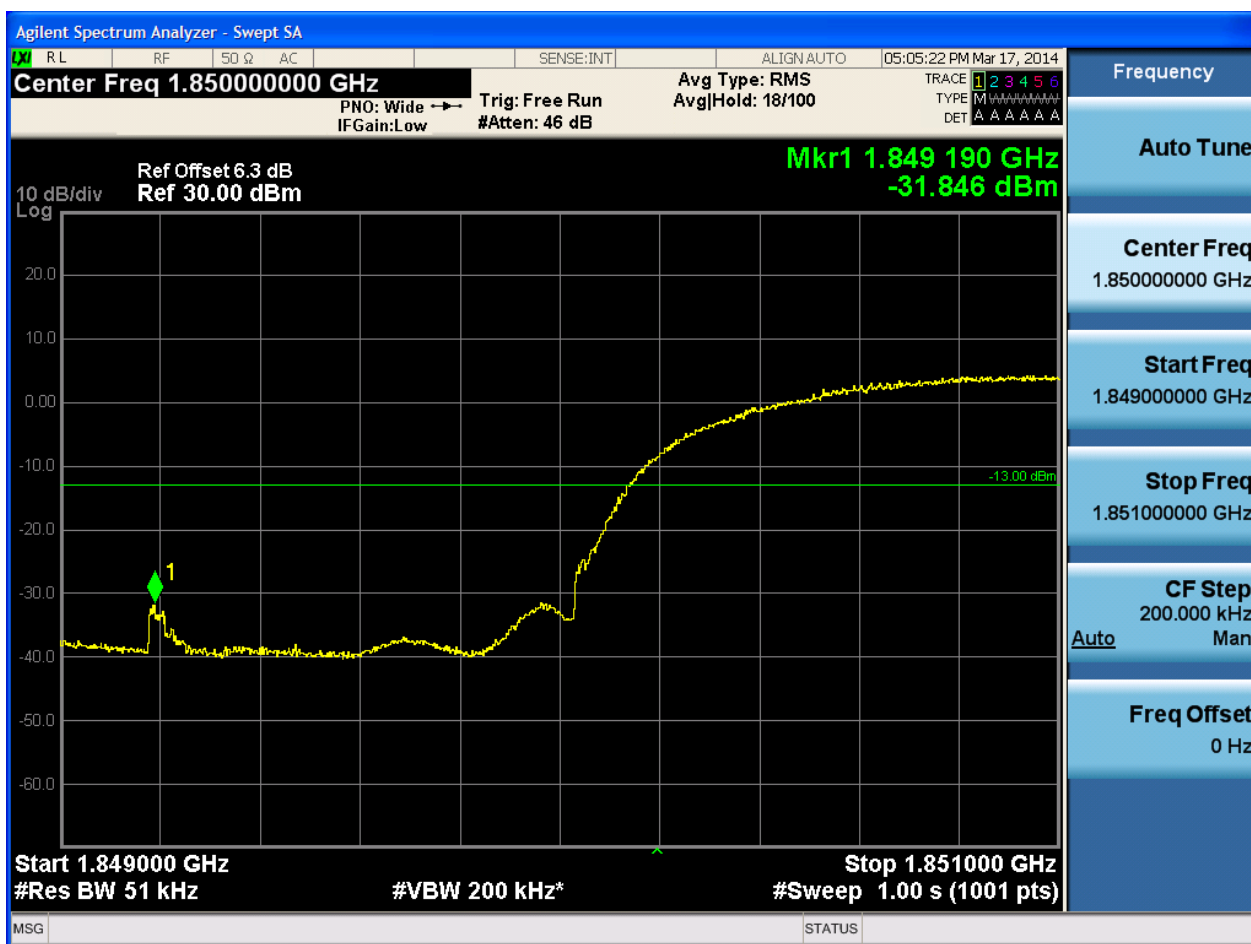
Part I - Test Plots

5.1 For UMTS

5.1.1 Test Band = WCDMA1900

5.1.1.1 Test Mode = UMTS/TM1

5.1.1.1.1 Test Channel = LCH



5.1.1.1.2 Test Channel = HCH





5.2 For LTE

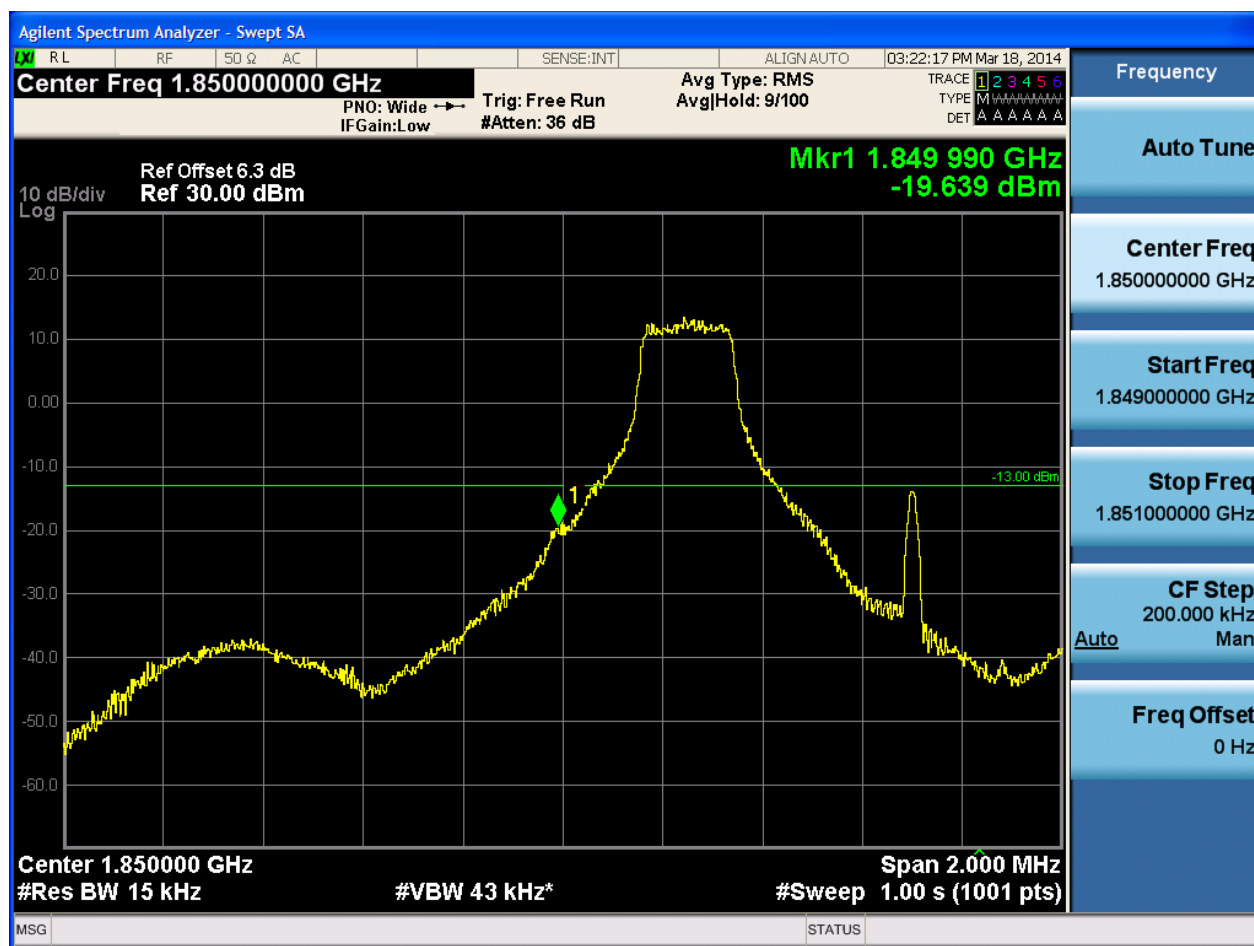
5.2.1 Test Band = BAND2

5.2.1.1 Test Mode = LTE/TM1

5.2.1.1.1 Test Bandwidth = 1.4

5.2.1.1.1.1 Test Channel = LCH

5.2.1.1.1.1.1 Test RB = RB1#0





5.2.1.1.1.2 Test RB = RB1#5





5.2.1.1.1.3 Test RB = RB3#2





5.2.1.1.1.4 Test RB = RB6#0

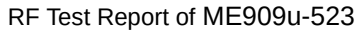




5.2.1.1.1.2 Test Channel = HCH

5.2.1.1.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 6.3 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-19.500 dBm

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

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.91000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.2.1.1.1.2.3 Test RB = RB3#2





5.2.1.1.1.2.4 Test RB = RB6#0

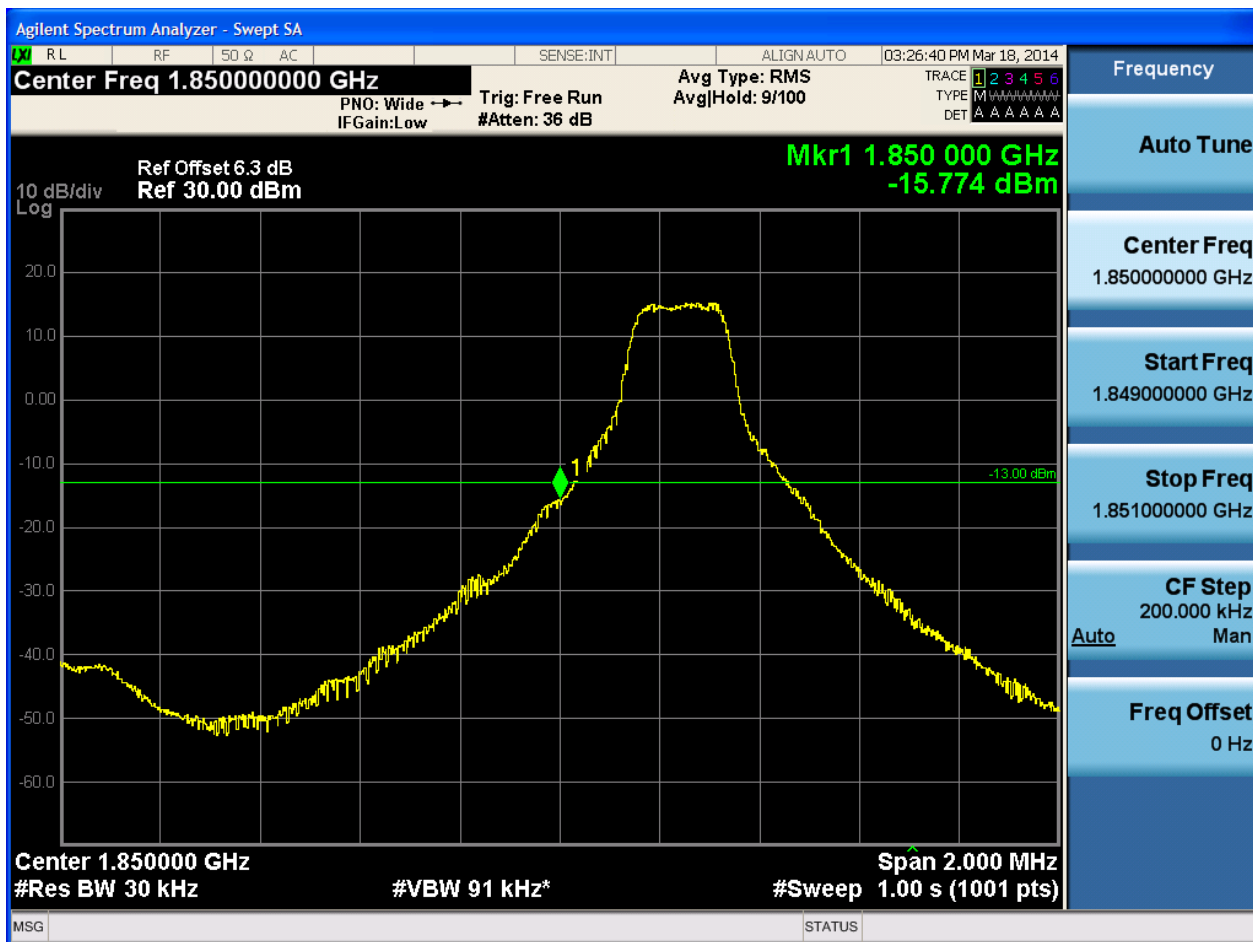




5.2.1.1.2 Test Bandwidth = 3

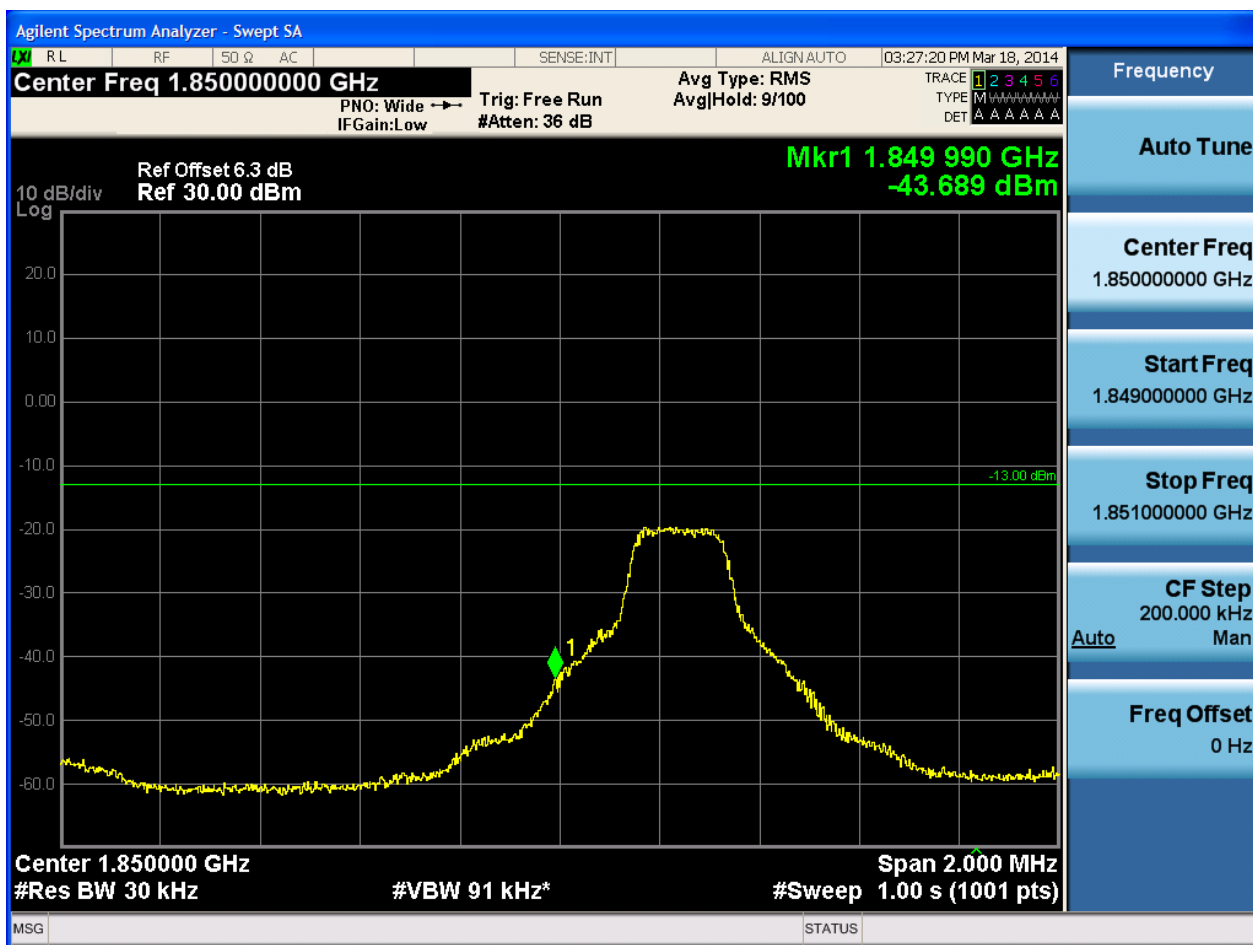
5.2.1.1.2.1 Test Channel = LCH

5.2.1.1.2.1.1 Test RB = RB1#0



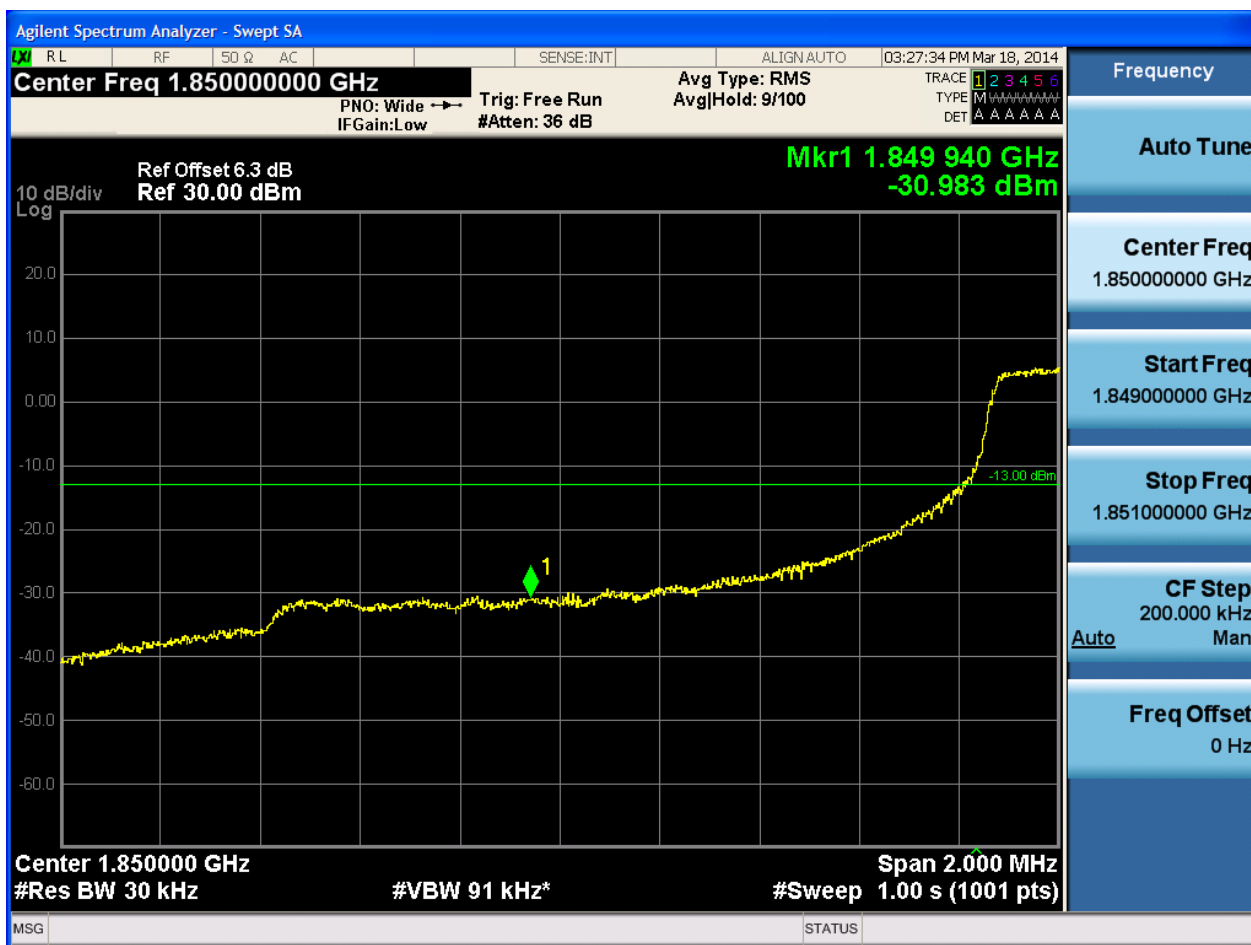


5.2.1.1.2.1.2 Test RB = RB1#14



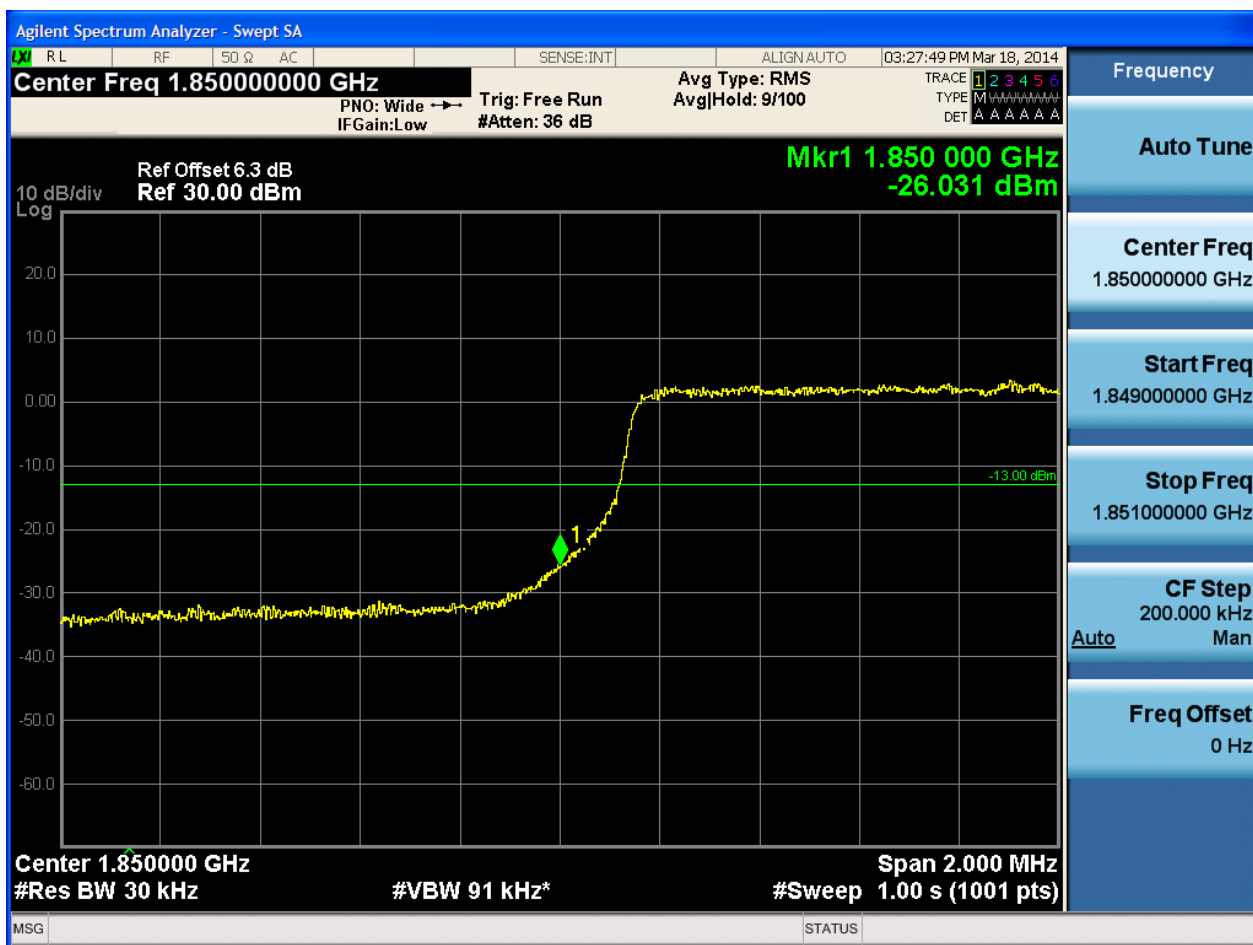


5.2.1.1.2.1.3 Test RB = RB8#4





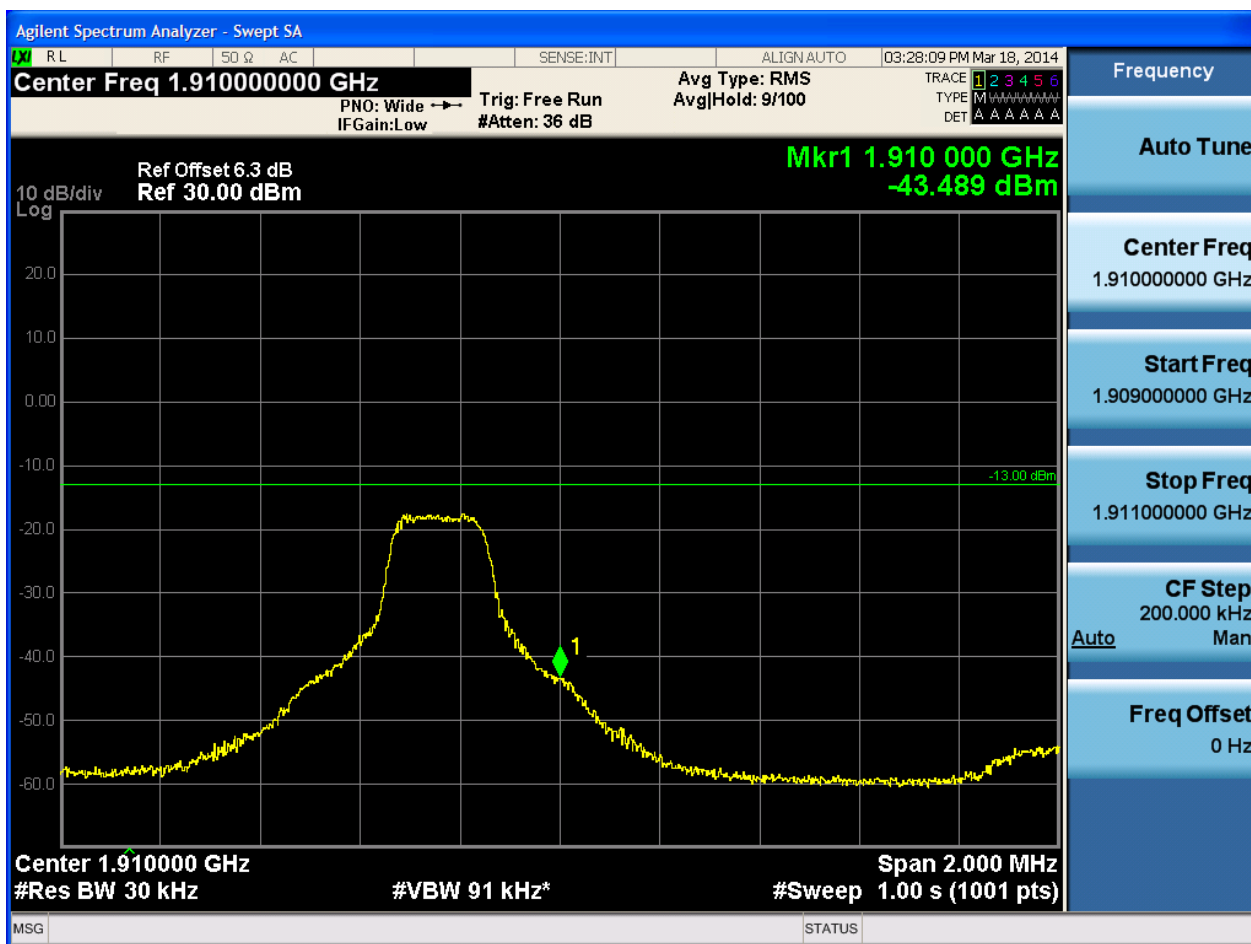
5.2.1.1.2.1.4 Test RB = RB15#0





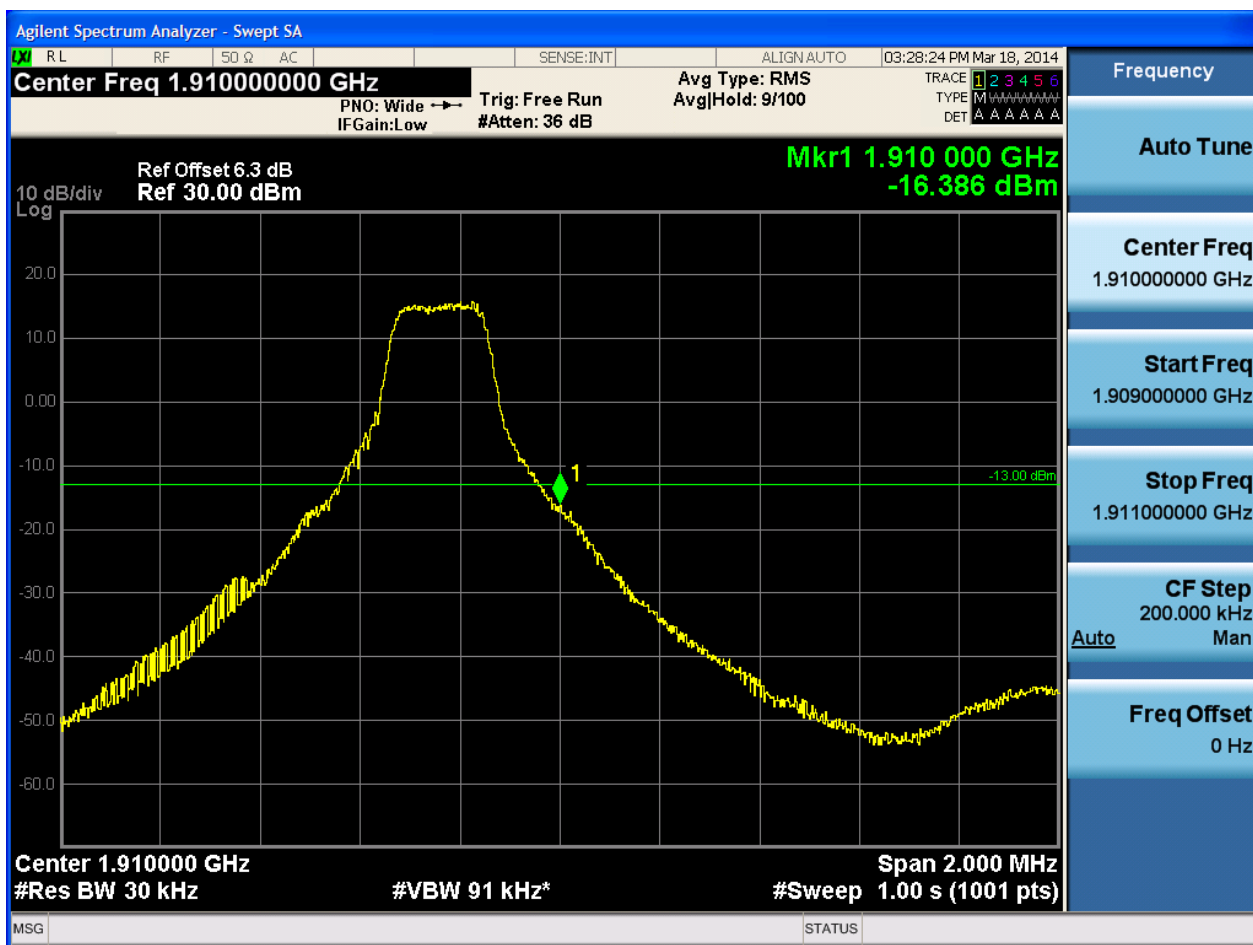
5.2.1.1.2.2 Test Channel = HCH

5.2.1.1.2.2.1 Test RB = RB1#0





5.2.1.1.2.2.2 Test RB = RB1#14



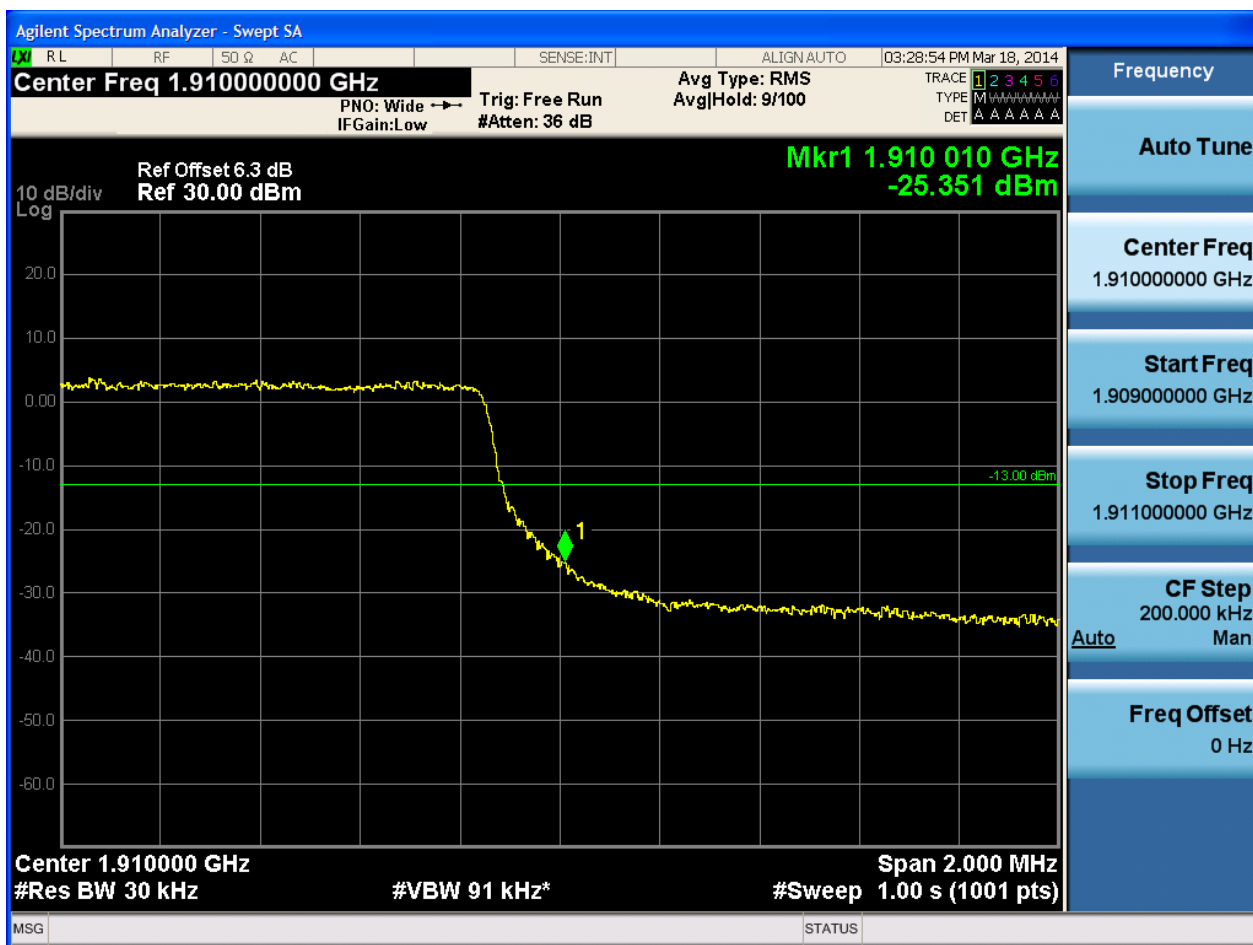


5.2.1.1.2.2.3 Test RB = RB8#4





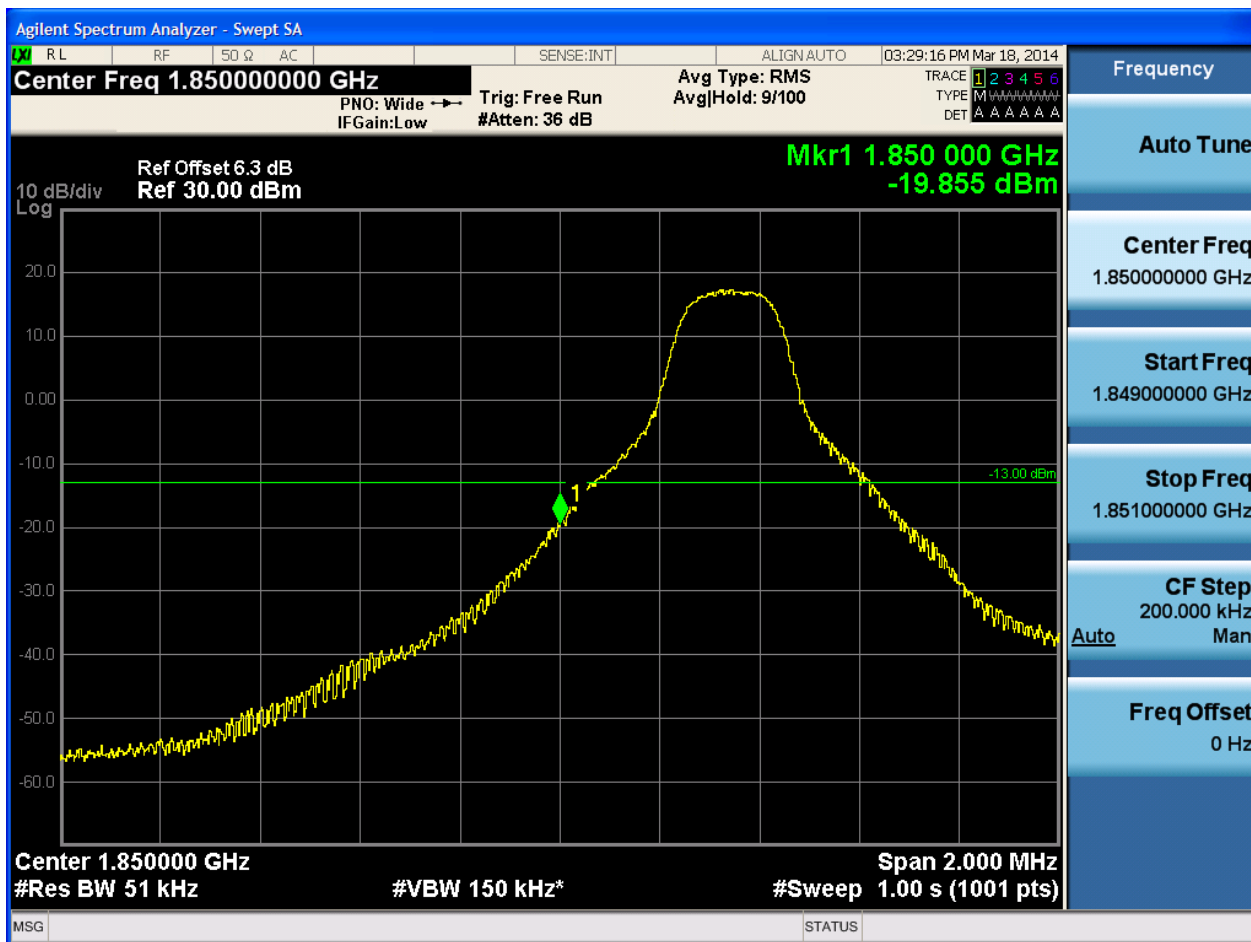
5.2.1.1.2.2.4 Test RB = RB15#0



5.2.1.1.3 Test Bandwidth = 5

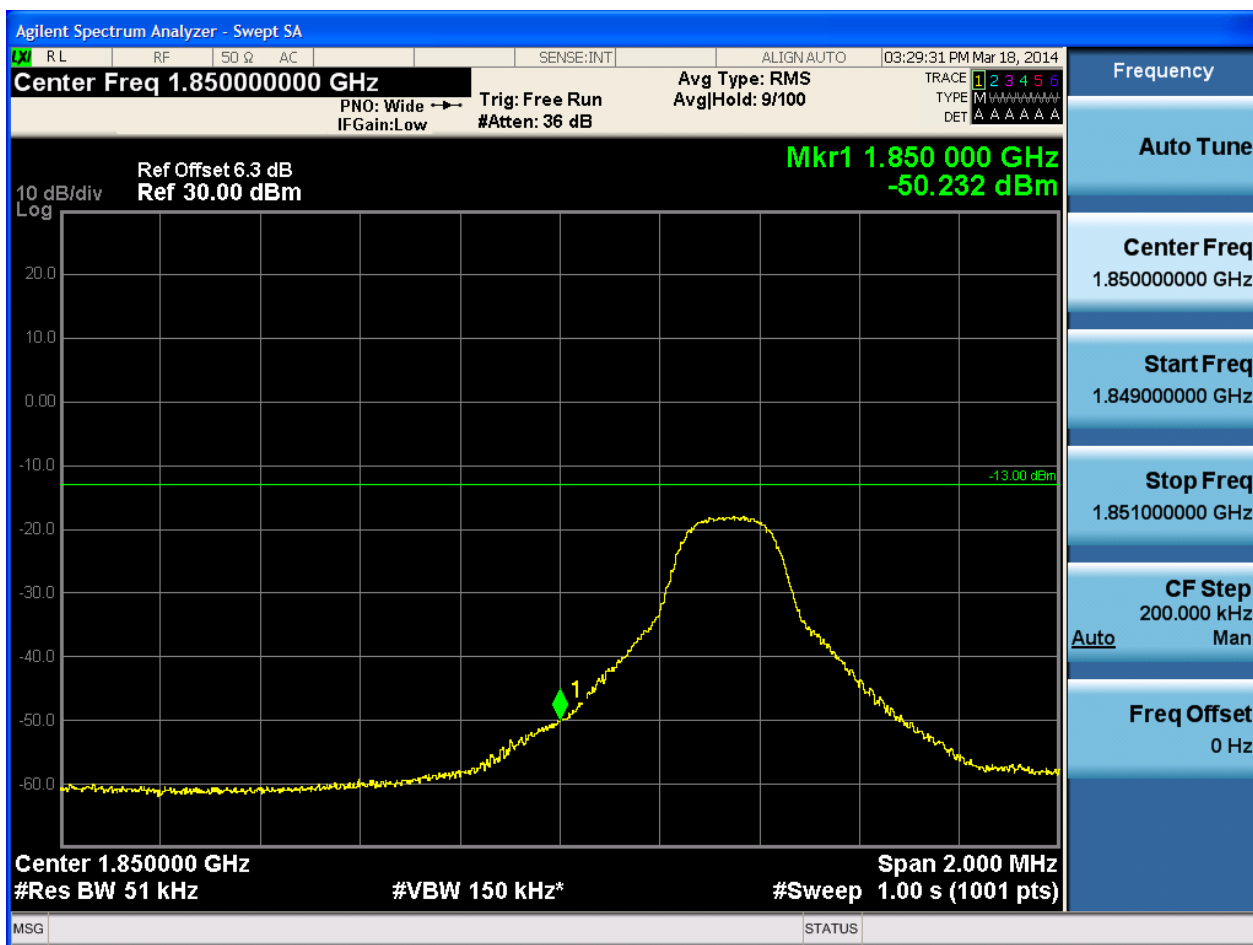
5.2.1.1.3.1 Test Channel = LCH

5.2.1.1.3.1.1 Test RB = RB1#0



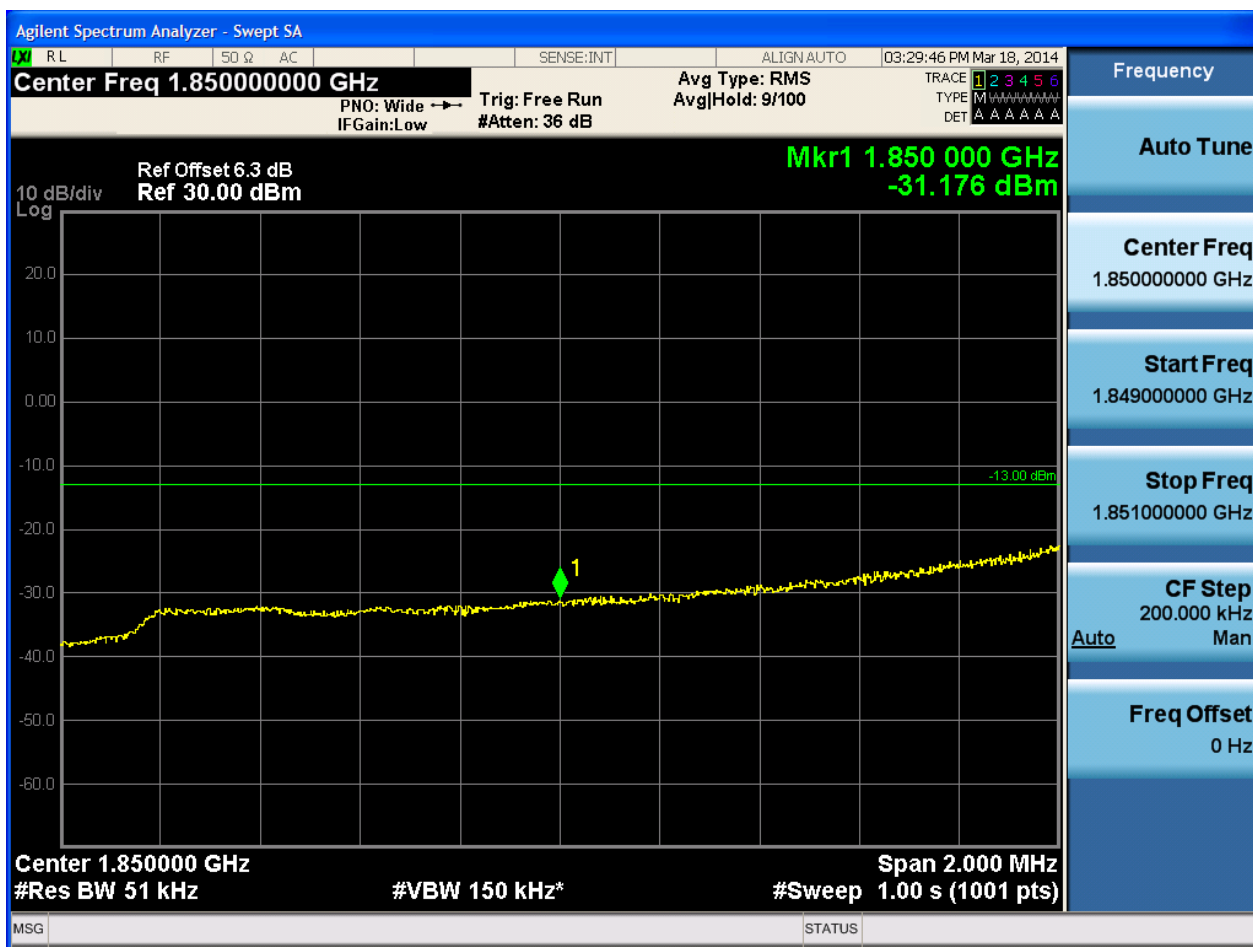


5.2.1.1.3.1.2 Test RB = RB1#24





5.2.1.1.3.1.3 Test RB = RB12#6



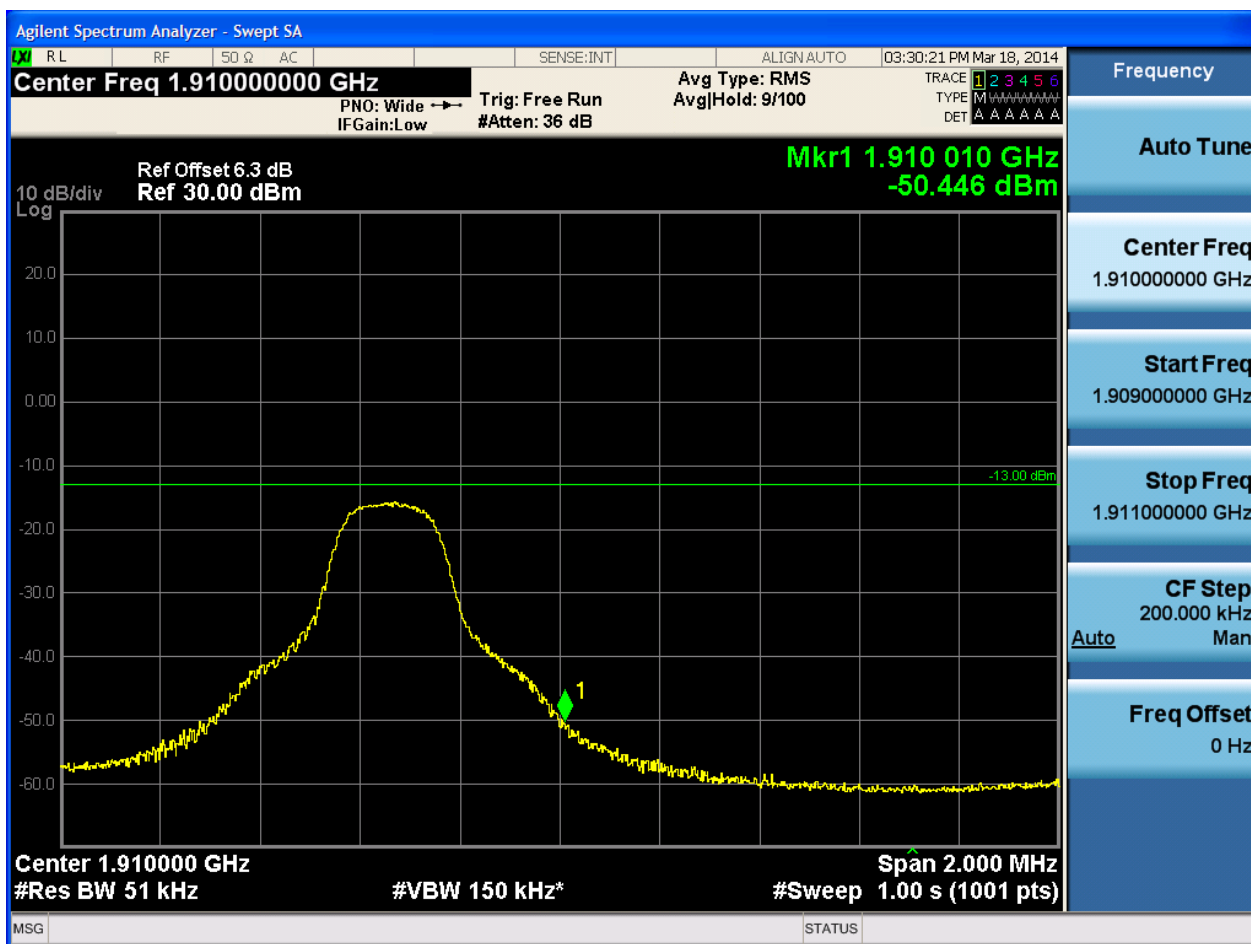


5.2.1.1.3.1.4 Test RB = RB25#0



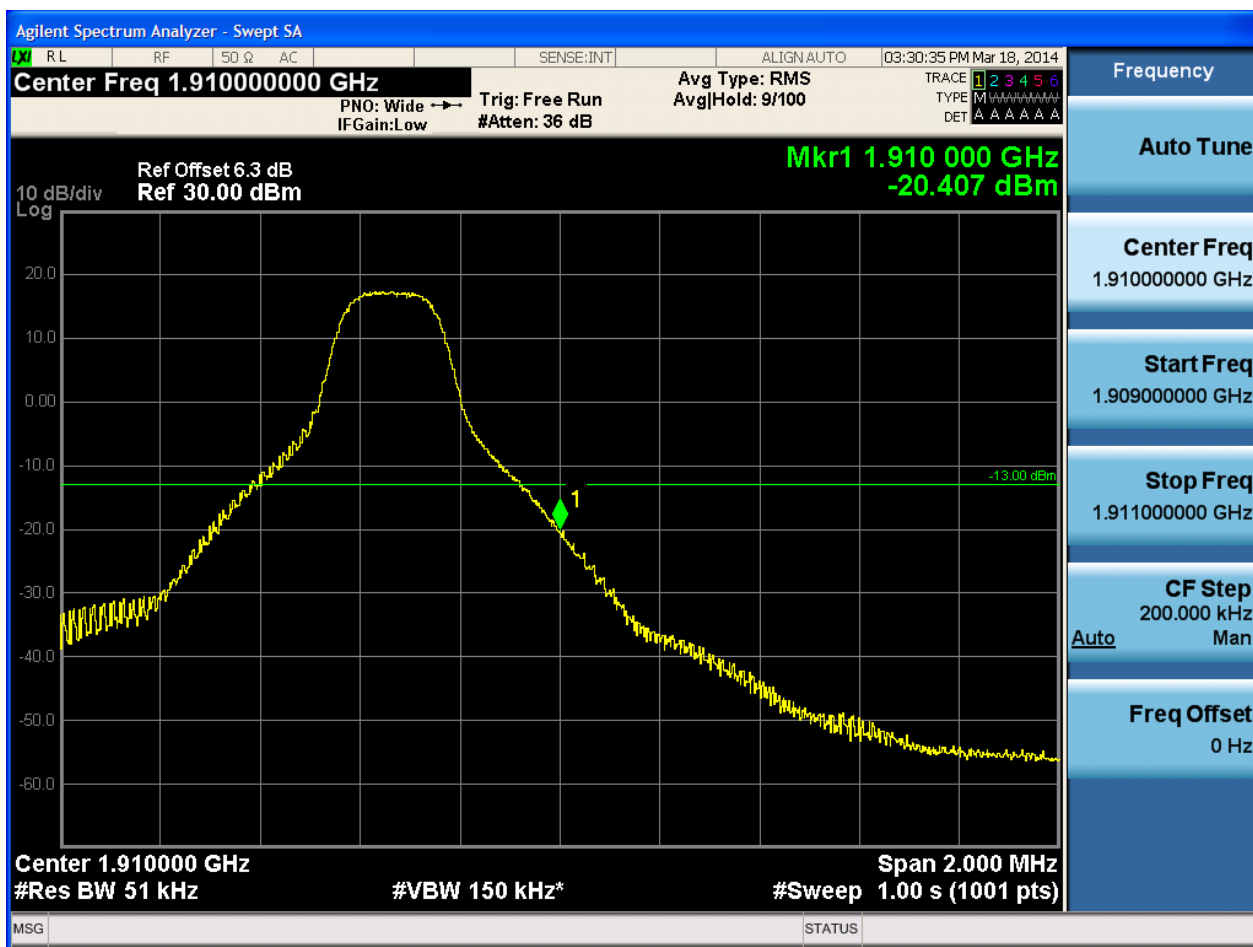
5.2.1.1.3.2 Test Channel = HCH

5.2.1.1.3.2.1 Test RB = RB1#0





5.2.1.1.3.2.2 Test RB = RB1#24





5.2.1.1.3.2.3 Test RB = RB12#6





5.2.1.1.3.2.4 Test RB = RB25#0

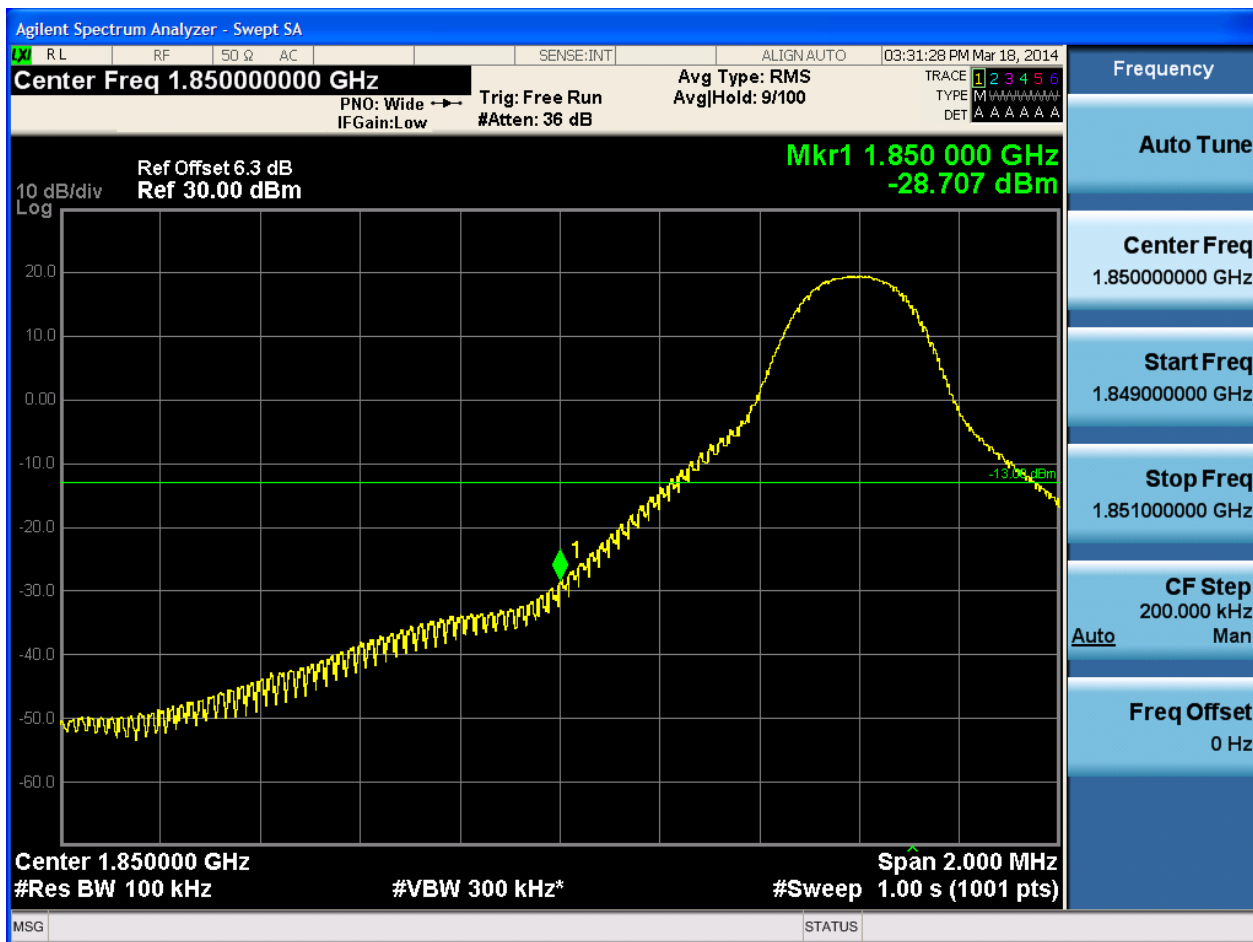




5.2.1.1.4 Test Bandwidth = 10

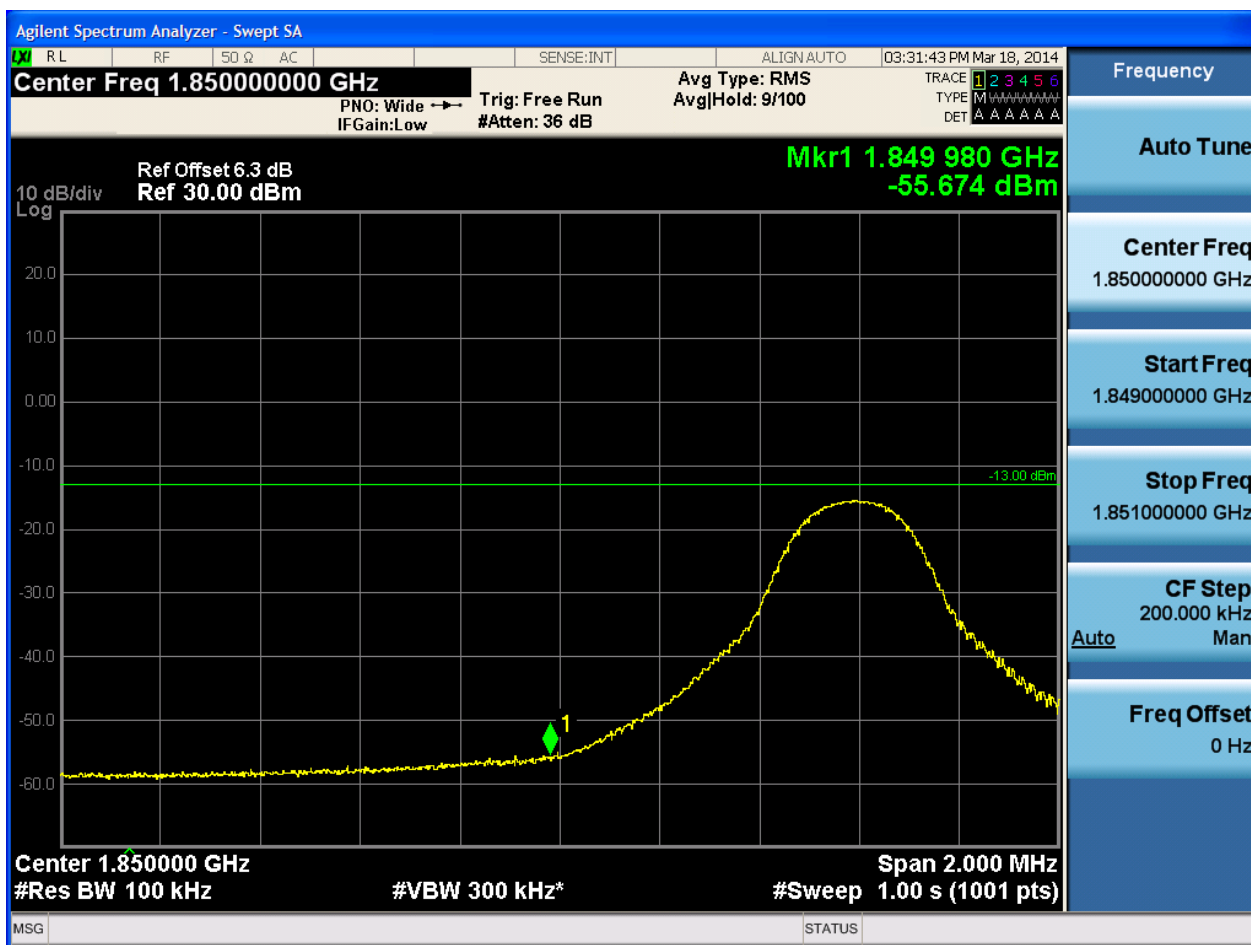
5.2.1.1.4.1 Test Channel = LCH

5.2.1.1.4.1.1 Test RB = RB1#0





5.2.1.1.4.1.2 Test RB = RB1#49





5.2.1.1.4.1.3 Test RB = RB25#13



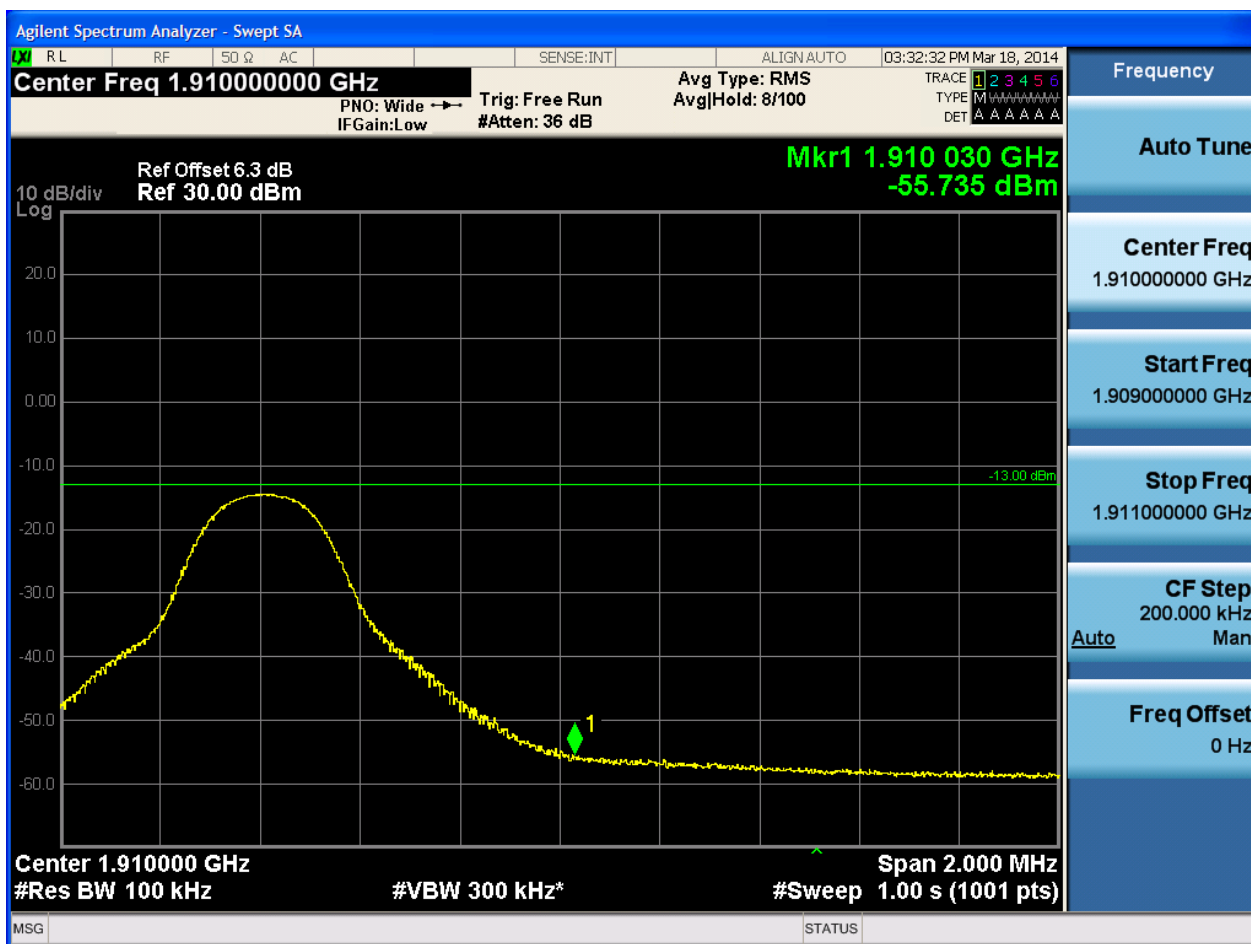


5.2.1.1.4.1.4 Test RB = RB50#0



5.2.1.1.4.2 Test Channel = HCH

5.2.1.1.4.2.1 Test RB = RB1#0





5.2.1.1.4.2.2 Test RB = RB1#49

