



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	23.46	21.87	33	PASS
				RB1#3	23.52	21.93	33	PASS
				RB1#5	23.48	21.89	33	PASS
				RB3#0	23.33	21.74	33	PASS
				RB3#2	23.49	21.9	33	PASS
				RB3#3	23.49	21.9	33	PASS
				RB6#0	22.44	20.85	33	PASS
			MCH	RB1#0	23.43	21.84	33	PASS
				RB1#3	23.4	21.81	33	PASS
				RB1#5	23.31	21.72	33	PASS
				RB3#0	23.39	21.8	33	PASS
				RB3#2	23.4	21.81	33	PASS
				RB3#3	23.37	21.78	33	PASS
				RB6#0	22.22	20.63	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.46	21.87	33	PASS
				RB1#3	23.41	21.82	33	PASS
				RB1#5	23.39	21.8	33	PASS
				RB3#0	23.39	21.8	33	PASS
				RB3#2	23.47	21.88	33	PASS
				RB3#3	23.4	21.81	33	PASS
				RB6#0	22.33	20.74	33	PASS
		3	LCH	RB1#0	23.47	21.88	33	PASS
				RB1#7	23.65	22.06	33	PASS
				RB1#14	23.61	22.02	33	PASS
				RB8#0	22.45	20.86	33	PASS
				RB8#4	22.46	20.87	33	PASS
				RB8#7	22.46	20.87	33	PASS
				RB15#0	22.52	20.93	33	PASS
			MCH	RB1#0	23.48	21.89	33	PASS
				RB1#7	23.44	21.85	33	PASS
				RB1#14	23.38	21.79	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	22.49	20.9	33	PASS
				RB8#4	22.27	20.68	33	PASS
				RB8#7	22.37	20.78	33	PASS
				RB15#0	22.44	20.85	33	PASS
			HCH	RB1#0	23.69	22.1	33	PASS
				RB1#7	23.54	21.95	33	PASS
				RB1#14	23.36	21.77	33	PASS
				RB8#0	22.36	20.77	33	PASS
				RB8#4	22.3	20.71	33	PASS
				RB8#7	22.39	20.8	33	PASS
				RB15#0	22.37	20.78	33	PASS
		5	LCH	RB1#0	23.44	21.85	33	PASS
				RB1#13	23.68	22.09	33	PASS
				RB1#24	23.61	22.02	33	PASS
				RB12#0	22.4	20.81	33	PASS
				RB12#6	22.56	20.97	33	PASS
				RB12#13	22.46	20.87	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.44	20.85	33	PASS
			MCH	RB1#0	23.38	21.79	33	PASS
				RB1#13	23.5	21.91	33	PASS
				RB1#24	23.27	21.68	33	PASS
				RB12#0	22.34	20.75	33	PASS
				RB12#6	22.49	20.9	33	PASS
				RB12#13	22.44	20.85	33	PASS
				RB25#0	22.43	20.84	33	PASS
			HCH	RB1#0	23.3	21.71	33	PASS
				RB1#13	23.29	21.7	33	PASS
				RB1#24	23.36	21.77	33	PASS
				RB12#0	22.39	20.8	33	PASS
				RB12#6	22.36	20.77	33	PASS
				RB12#13	22.26	20.67	33	PASS
				RB25#0	22.42	20.83	33	PASS
		10	LCH	RB1#0	23.47	21.88	33	PASS
				RB1#25	23.89	22.3	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	23.56	21.97	33	PASS
				RB25#0	22.52	20.93	33	PASS
				RB25#13	22.48	20.89	33	PASS
				RB25#25	22.4	20.81	33	PASS
				RB50#0	22.54	20.95	33	PASS
			MCH	RB1#0	23.5	21.91	33	PASS
				RB1#25	23.69	22.1	33	PASS
				RB1#49	23.54	21.95	33	PASS
				RB25#0	22.45	20.86	33	PASS
				RB25#13	22.51	20.92	33	PASS
				RB25#25	22.31	20.72	33	PASS
				RB50#0	22.39	20.8	33	PASS
			HCH	RB1#0	23.58	21.99	33	PASS
				RB1#25	23.51	21.92	33	PASS
				RB1#49	23.39	21.8	33	PASS
				RB25#0	22.39	20.8	33	PASS
				RB25#13	22.39	20.8	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.43	20.84	33	PASS
				RB50#0	22.35	20.76	33	PASS
		15	LCH	RB1#0	23.71	22.12	33	PASS
				RB1#38	23.68	22.09	33	PASS
				RB1#74	23.4	21.81	33	PASS
				RB38#0	22.58	20.99	33	PASS
				RB38#19	22.49	20.9	33	PASS
				RB38#39	22.43	20.84	33	PASS
				RB75#0	22.5	20.91	33	PASS
			MCH	RB1#0	23.45	21.86	33	PASS
				RB1#38	23.56	21.97	33	PASS
				RB1#74	23.48	21.89	33	PASS
				RB38#0	22.41	20.82	33	PASS
				RB38#19	22.53	20.94	33	PASS
				RB38#39	22.36	20.77	33	PASS
				RB75#0	22.4	20.81	33	PASS
			HCH	RB1#0	23.28	21.69	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	23.32	21.73	33	PASS
				RB1#74	23.17	21.58	33	PASS
				RB38#0	22.43	20.84	33	PASS
				RB38#19	22.46	20.87	33	PASS
				RB38#39	22.34	20.75	33	PASS
				RB75#0	22.41	20.82	33	PASS
		20	LCH	RB1#0	23.19	21.6	33	PASS
				RB1#50	23.4	21.81	33	PASS
				RB1#99	22.84	21.25	33	PASS
				RB50#0	22.56	20.97	33	PASS
				RB50#25	22.5	20.91	33	PASS
				RB50#50	22.32	20.73	33	PASS
				RB100#0	22.4	20.81	33	PASS
			MCH	RB1#0	23.08	21.49	33	PASS
				RB1#50	23.5	21.91	33	PASS
				RB1#99	23.22	21.63	33	PASS
				RB50#0	22.55	20.96	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	22.5	20.91	33	PASS
				RB50#50	22.41	20.82	33	PASS
				RB100#0	22.48	20.89	33	PASS
			HCH	RB1#0	23.2	21.61	33	PASS
				RB1#50	23.78	22.19	33	PASS
				RB1#99	23.01	21.42	33	PASS
				RB50#0	22.5	20.91	33	PASS
				RB50#25	22.44	20.85	33	PASS
				RB50#50	22.35	20.76	33	PASS
				RB100#0	22.5	20.91	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.11	20.52	33	PASS
				RB1#3	22.42	20.83	33	PASS
				RB1#5	22.21	20.62	33	PASS
				RB3#0	22.36	20.77	33	PASS
				RB3#2	22.59	21	33	PASS
				RB3#3	22.46	20.87	33	PASS
				RB6#0	21.09	19.5	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.12	20.53	33	PASS
				RB1#3	22.24	20.65	33	PASS
				RB1#5	22.15	20.56	33	PASS
				RB3#0	22	20.41	33	PASS
				RB3#2	22.52	20.93	33	PASS
				RB3#3	22.51	20.92	33	PASS
				RB6#0	21.54	19.95	33	PASS
			HCH	RB1#0	22.18	20.59	33	PASS
				RB1#3	22.23	20.64	33	PASS
				RB1#5	22.08	20.49	33	PASS
				RB3#0	22.18	20.59	33	PASS
				RB3#2	22.15	20.56	33	PASS
				RB3#3	22.08	20.49	33	PASS
				RB6#0	21.1	19.51	33	PASS
		3	LCH	RB1#0	22.49	20.9	33	PASS
				RB1#7	22.39	20.8	33	PASS
				RB1#14	22.41	20.82	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.33	19.74	33	PASS
				RB8#4	21.24	19.65	33	PASS
				RB8#7	21.26	19.67	33	PASS
				RB15#0	21.39	19.8	33	PASS
			MCH	RB1#0	22.4	20.81	33	PASS
				RB1#7	22.44	20.85	33	PASS
				RB1#14	22.37	20.78	33	PASS
				RB8#0	21.25	19.66	33	PASS
				RB8#4	21.22	19.63	33	PASS
				RB8#7	21.22	19.63	33	PASS
				RB15#0	21.24	19.65	33	PASS
			HCH	RB1#0	22.48	20.89	33	PASS
				RB1#7	22.36	20.77	33	PASS
				RB1#14	22.25	20.66	33	PASS
				RB8#0	21.28	19.69	33	PASS
				RB8#4	21.21	19.62	33	PASS
				RB8#7	21.18	19.59	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		5	LCH	RB15#0	21.17	19.58	33	PASS
				RB1#0	22.49	20.9	33	PASS
				RB1#13	22.27	20.68	33	PASS
				RB1#24	22.21	20.62	33	PASS
				RB12#0	21.58	19.99	33	PASS
				RB12#6	21.64	20.05	33	PASS
				RB12#13	21.63	20.04	33	PASS
				RB25#0	21.52	19.93	33	PASS
			MCH	RB1#0	22.28	20.69	33	PASS
				RB1#13	22.3	20.71	33	PASS
				RB1#24	21.96	20.37	33	PASS
				RB12#0	21.5	19.91	33	PASS
				RB12#6	21.33	19.74	33	PASS
				RB12#13	21.31	19.72	33	PASS
				RB25#0	21.52	19.93	33	PASS
			HCH	RB1#0	22.4	20.81	33	PASS
				RB1#13	22.47	20.88	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	22.51	20.92	33	PASS
				RB12#0	21.35	19.76	33	PASS
				RB12#6	21.37	19.78	33	PASS
				RB12#13	21.24	19.65	33	PASS
				RB25#0	21.29	19.7	33	PASS
		10	LCH	RB1#0	22.75	21.16	33	PASS
				RB1#25	22.72	21.13	33	PASS
				RB1#49	22.48	20.89	33	PASS
				RB25#0	21.68	20.09	33	PASS
				RB25#13	21.53	19.94	33	PASS
				RB25#25	21.27	19.68	33	PASS
				RB50#0	21.51	19.92	33	PASS
			MCH	RB1#0	22.4	20.81	33	PASS
				RB1#25	22.71	21.12	33	PASS
				RB1#49	22.4	20.81	33	PASS
				RB25#0	21.41	19.82	33	PASS
				RB25#13	21.47	19.88	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.28	19.69	33	PASS
				RB50#0	21.28	19.69	33	PASS
			HCH	RB1#0	22.33	20.74	33	PASS
				RB1#25	22.74	21.15	33	PASS
				RB1#49	22.35	20.76	33	PASS
				RB25#0	21.5	19.91	33	PASS
				RB25#13	21.51	19.92	33	PASS
				RB25#25	21.34	19.75	33	PASS
				RB50#0	21.39	19.8	33	PASS
		15	LCH	RB1#0	22.43	20.84	33	PASS
				RB1#38	22.5	20.91	33	PASS
				RB1#74	21.6	20.01	33	PASS
				RB38#0	21.58	19.99	33	PASS
				RB38#19	21.59	20	33	PASS
				RB38#39	21.53	19.94	33	PASS
				RB75#0	21.47	19.88	33	PASS
			MCH	RB1#0	22.24	20.65	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.53	20.94	33	PASS
				RB1#74	22.21	20.62	33	PASS
				RB38#0	21.52	19.93	33	PASS
				RB38#19	21.55	19.96	33	PASS
				RB38#39	21.47	19.88	33	PASS
				RB75#0	21.5	19.91	33	PASS
			HCH	RB1#0	22.2	20.61	33	PASS
				RB1#38	22.74	21.15	33	PASS
				RB1#74	22.18	20.59	33	PASS
				RB38#0	21.28	19.69	33	PASS
				RB38#19	21.33	19.74	33	PASS
				RB38#39	21.2	19.61	33	PASS
				RB75#0	21.31	19.72	33	PASS
		20	LCH	RB1#0	21.91	20.32	33	PASS
				RB1#50	22.73	21.14	33	PASS
				RB1#99	22.54	20.95	33	PASS
				RB50#0	21.54	19.95	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	21.58	19.99	33	PASS
				RB50#50	21.29	19.7	33	PASS
				RB100#0	21.4	19.81	33	PASS
			MCH	RB1#0	22.46	20.87	33	PASS
				RB1#50	22.98	21.39	33	PASS
				RB1#99	22.55	20.96	33	PASS
				RB50#0	21.55	19.96	33	PASS
				RB50#25	21.5	19.91	33	PASS
				RB50#50	21.4	19.81	33	PASS
				RB100#0	21.41	19.82	33	PASS
			HCH	RB1#0	22.55	20.96	33	PASS
				RB1#50	22.73	21.14	33	PASS
				RB1#99	22.04	20.45	33	PASS
				RB50#0	21.41	19.82	33	PASS
				RB50#25	21.29	19.7	33	PASS
				RB50#50	21.18	19.59	33	PASS
				RB100#0	21.33	19.74	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP = Signal Generator Level

Note2:

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

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

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

SET Sweep time = auto - couple.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	4.24	13	PASS
				RB1#3	4.16	13	PASS
				RB1#5	4.22	13	PASS
				RB3#0	4.54	13	PASS
				RB3#2	4.32	13	PASS
				RB3#3	4.46	13	PASS
				RB6#0	5.39	13	PASS
			MCH	RB1#0	3.88	13	PASS
				RB1#3	3.78	13	PASS
				RB1#5	3.92	13	PASS
				RB3#0	4.27	13	PASS
				RB3#2	4.02	13	PASS
				RB3#3	4.19	13	PASS
				RB6#0	5.3	13	PASS
			HCH	RB1#0	3.56	13	PASS
				RB1#3	3.42	13	PASS
				RB1#5	3.53	13	PASS
				RB3#0	3.88	13	PASS
				RB3#2	3.66	13	PASS
				RB3#3	3.83	13	PASS
				RB6#0	4.92	13	PASS
		3	LCH	RB1#0	4.33	13	PASS
				RB1#7	4.18	13	PASS
				RB1#14	4.31	13	PASS
				RB8#0	4.92	13	PASS
				RB8#4	4.96	13	PASS
				RB8#7	5.1	13	PASS
				RB15#0	5.62	13	PASS
			MCH	RB1#0	3.73	13	PASS
				RB1#7	3.62	13	PASS
				RB1#14	3.8	13	PASS
				RB8#0	4.82	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	4.71	13	PASS
				RB8#7	4.91	13	PASS
				RB15#0	5.23	13	PASS
			HCH	RB1#0	3.75	13	PASS
				RB1#7	3.38	13	PASS
				RB1#14	3.56	13	PASS
				RB8#0	4.39	13	PASS
				RB8#4	4.45	13	PASS
				RB8#7	4.49	13	PASS
				RB15#0	5.06	13	PASS
		5	LCH	RB1#0	4.39	13	PASS
				RB1#13	4.24	13	PASS
				RB1#24	4.37	13	PASS
				RB12#0	5.03	13	PASS
				RB12#6	4.94	13	PASS
				RB12#13	4.97	13	PASS
				RB25#0	5.45	13	PASS
			MCH	RB1#0	3.96	13	PASS
				RB1#13	3.77	13	PASS
				RB1#24	4.12	13	PASS
				RB12#0	4.69	13	PASS
				RB12#6	4.67	13	PASS
				RB12#13	4.77	13	PASS
				RB25#0	5.25	13	PASS
			HCH	RB1#0	3.77	13	PASS
				RB1#13	3.61	13	PASS
				RB1#24	3.57	13	PASS
				RB12#0	4.58	13	PASS
				RB12#6	4.36	13	PASS
				RB12#13	4.61	13	PASS
				RB25#0	5.11	13	PASS
		10	LCH	RB1#0	4.31	13	PASS
				RB1#25	3.96	13	PASS
				RB1#49	4.22	13	PASS
				RB25#0	5.06	13	PASS
				RB25#13	4.91	13	PASS
				RB25#25	4.96	13	PASS
				RB50#0	5.06	13	PASS
			MCH	RB1#0	3.9	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	3.54	13	PASS
				RB1#49	3.98	13	PASS
				RB25#0	4.79	13	PASS
				RB25#13	4.7	13	PASS
				RB25#25	4.83	13	PASS
				RB50#0	5.51	13	PASS
			HCH	RB1#0	3.81	13	PASS
				RB1#25	3.62	13	PASS
				RB1#49	3.74	13	PASS
				RB25#0	4.64	13	PASS
				RB25#13	4.54	13	PASS
				RB25#25	4.49	13	PASS
				RB50#0	5	13	PASS
		15	LCH	RB1#0	4.28	13	PASS
				RB1#38	4.19	13	PASS
				RB1#74	4.16	13	PASS
				RB38#0	5.01	13	PASS
				RB38#19	5	13	PASS
				RB38#39	4.91	13	PASS
			MCH	RB1#0	3.88	13	PASS
				RB1#38	3.6	13	PASS
				RB1#74	4.09	13	PASS
				RB38#0	4.76	13	PASS
				RB38#19	4.75	13	PASS
				RB38#39	4.87	13	PASS
			HCH	RB1#0	4.29	13	PASS
				RB1#38	3.81	13	PASS
				RB1#74	3.72	13	PASS
				RB38#0	4.79	13	PASS
				RB38#19	4.58	13	PASS
				RB38#39	4.63	13	PASS
		20	LCH	RB1#0	4.42	13	PASS
				RB1#50	4.18	13	PASS
				RB1#99	4.26	13	PASS
				RB50#0	5.11	13	PASS
				RB50#25	4.97	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	5.03	13	PASS
				RB100#0	5.31	13	PASS
			MCH	RB1#0	4.29	13	PASS
				RB1#50	3.84	13	PASS
				RB1#99	4.27	13	PASS
				RB50#0	4.81	13	PASS
				RB50#25	4.79	13	PASS
				RB50#50	5	13	PASS
				RB100#0	5.71	13	PASS
			HCH	RB1#0	4.32	13	PASS
				RB1#50	3.89	13	PASS
				RB1#99	3.83	13	PASS
				RB50#0	4.91	13	PASS
				RB50#25	4.81	13	PASS
				RB50#50	4.7	13	PASS
				RB100#0	5.05	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.31	13	PASS
				RB1#3	5.21	13	PASS
				RB1#5	5.29	13	PASS
				RB3#0	5.62	13	PASS
				RB3#2	5.48	13	PASS
				RB3#3	5.65	13	PASS
				RB6#0	5.81	13	PASS
			MCH	RB1#0	5.07	13	PASS
				RB1#3	4.96	13	PASS
				RB1#5	5.01	13	PASS
				RB3#0	5.05	13	PASS
				RB3#2	5.1	13	PASS
				RB3#3	5.3	13	PASS
				RB6#0	5.77	13	PASS
			HCH	RB1#0	4.57	13	PASS
				RB1#3	4.57	13	PASS
				RB1#5	4.54	13	PASS
				RB3#0	4.8	13	PASS
				RB3#2	4.59	13	PASS
				RB3#3	4.78	13	PASS
				RB6#0	5.53	13	PASS
		3	LCH	RB1#0	5.09	13	PASS
				RB1#7	4.99	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	5.13	13	PASS
				RB8#0	5.85	13	PASS
				RB8#4	5.69	13	PASS
				RB8#7	5.92	13	PASS
				RB15#0	6.26	13	PASS
			MCH	RB1#0	4.76	13	PASS
				RB1#7	4.67	13	PASS
				RB1#14	4.86	13	PASS
				RB8#0	5.63	13	PASS
				RB8#4	5.56	13	PASS
				RB8#7	5.69	13	PASS
				RB15#0	6.23	13	PASS
			HCH	RB1#0	4.55	13	PASS
				RB1#7	4.43	13	PASS
				RB1#14	4.58	13	PASS
				RB8#0	5.52	13	PASS
				RB8#4	5.42	13	PASS
				RB8#7	5.57	13	PASS
				RB15#0	5.82	13	PASS
		5	LCH	RB1#0	5.38	13	PASS
				RB1#13	5.3	13	PASS
				RB1#24	5.34	13	PASS
				RB12#0	5.89	13	PASS
				RB12#6	5.77	13	PASS
				RB12#13	5.87	13	PASS
				RB25#0	6.41	13	PASS
			MCH	RB1#0	5.06	13	PASS
				RB1#13	4.82	13	PASS
				RB1#24	5.07	13	PASS
				RB12#0	5.74	13	PASS
				RB12#6	5.56	13	PASS
				RB12#13	5.74	13	PASS
				RB25#0	6.2	13	PASS
			HCH	RB1#0	4.38	13	PASS
				RB1#13	4.2	13	PASS
				RB1#24	4.41	13	PASS
				RB12#0	5.47	13	PASS
				RB12#6	5.44	13	PASS
				RB12#13	5.47	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB25#0	6.13	13	PASS
				RB1#0	5.37	13	PASS
			LCH	RB1#25	5.21	13	PASS
				RB1#49	5.3	13	PASS
				RB25#0	5.96	13	PASS
				RB25#13	5.96	13	PASS
				RB25#25	6.04	13	PASS
				RB50#0	6.82	13	PASS
			MCH	RB1#0	4.84	13	PASS
				RB1#25	4.76	13	PASS
				RB1#49	5.09	13	PASS
				RB25#0	5.79	13	PASS
				RB25#13	5.75	13	PASS
				RB25#25	5.91	13	PASS
				RB50#0	6.04	13	PASS
			HCH	RB1#0	5.15	13	PASS
				RB1#25	4.56	13	PASS
				RB1#49	4.81	13	PASS
				RB25#0	5.54	13	PASS
				RB25#13	5.38	13	PASS
				RB25#25	5.44	13	PASS
				RB50#0	5.79	13	PASS
		15	LCH	RB1#0	5.34	13	PASS
				RB1#38	5.13	13	PASS
				RB1#74	5.29	13	PASS
				RB38#0	6.12	13	PASS
				RB38#19	5.94	13	PASS
				RB38#39	6.04	13	PASS
				RB75#0	6.41	13	PASS
			MCH	RB1#0	4.87	13	PASS
				RB1#38	4.63	13	PASS
				RB1#74	5.13	13	PASS
				RB38#0	5.83	13	PASS
				RB38#19	5.71	13	PASS
				RB38#39	5.96	13	PASS
				RB75#0	6.37	13	PASS
			HCH	RB1#0	5.07	13	PASS
				RB1#38	4.36	13	PASS
				RB1#74	4.49	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#0	5.92	13	PASS
				RB38#19	5.64	13	PASS
				RB38#39	5.72	13	PASS
				RB75#0	6.15	13	PASS
		20	LCH	RB1#0	5.15	13	PASS
				RB1#50	4.86	13	PASS
				RB1#99	4.84	13	PASS
				RB50#0	6.04	13	PASS
				RB50#25	5.8	13	PASS
				RB50#50	5.91	13	PASS
				RB100#0	6.27	13	PASS
			MCH	RB1#0	4.68	13	PASS
				RB1#50	4.59	13	PASS
				RB1#99	5.01	13	PASS
				RB50#0	5.85	13	PASS
				RB50#25	5.72	13	PASS
				RB50#50	5.94	13	PASS
				RB100#0	6.6	13	PASS
			HCH	RB1#0	5.17	13	PASS
				RB1#50	4.41	13	PASS
				RB1#99	4.66	13	PASS
				RB50#0	5.98	13	PASS
				RB50#25	5.76	13	PASS
				RB50#50	5.74	13	PASS
				RB100#0	6.13	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

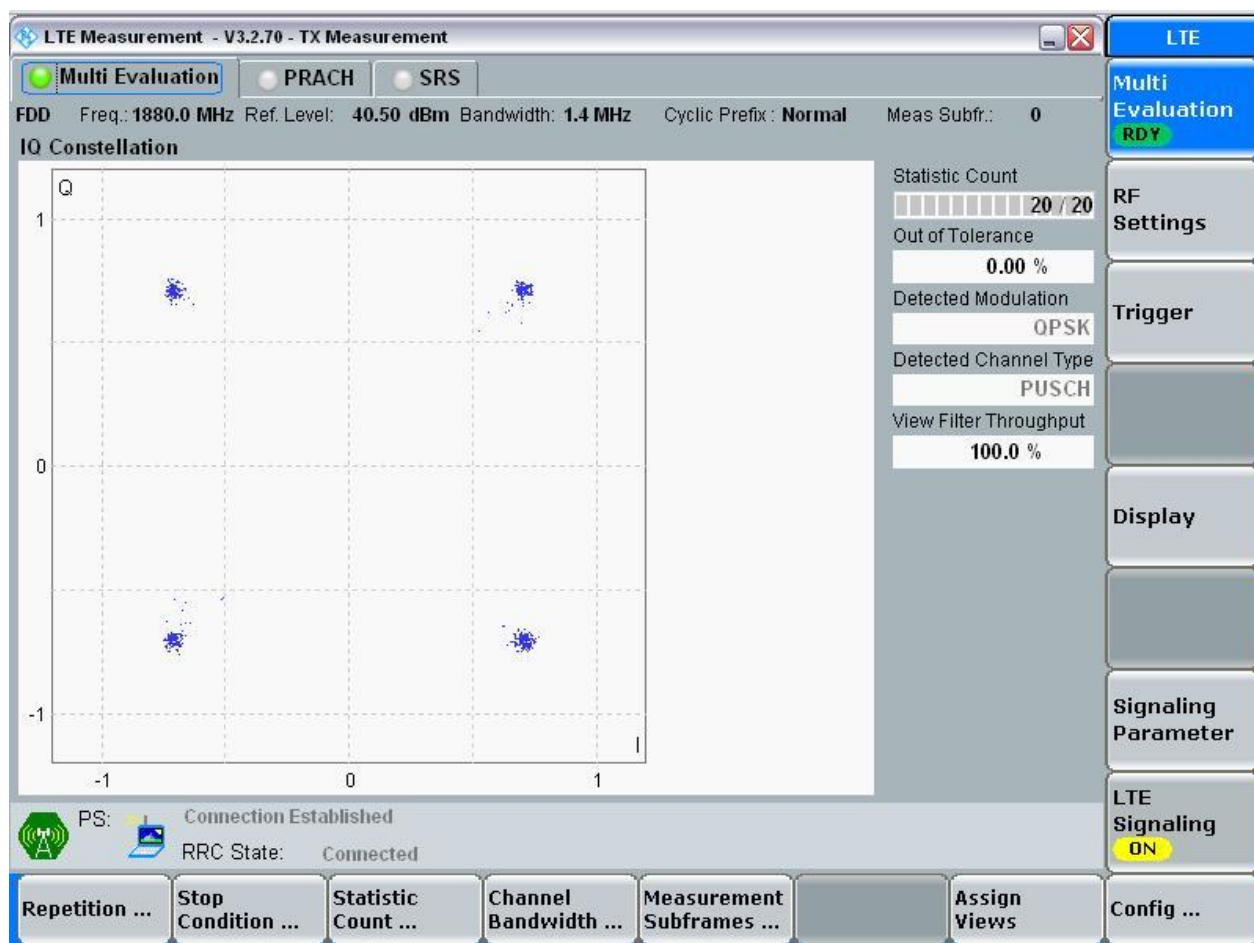
3.1.1 Test Band = BAND2

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

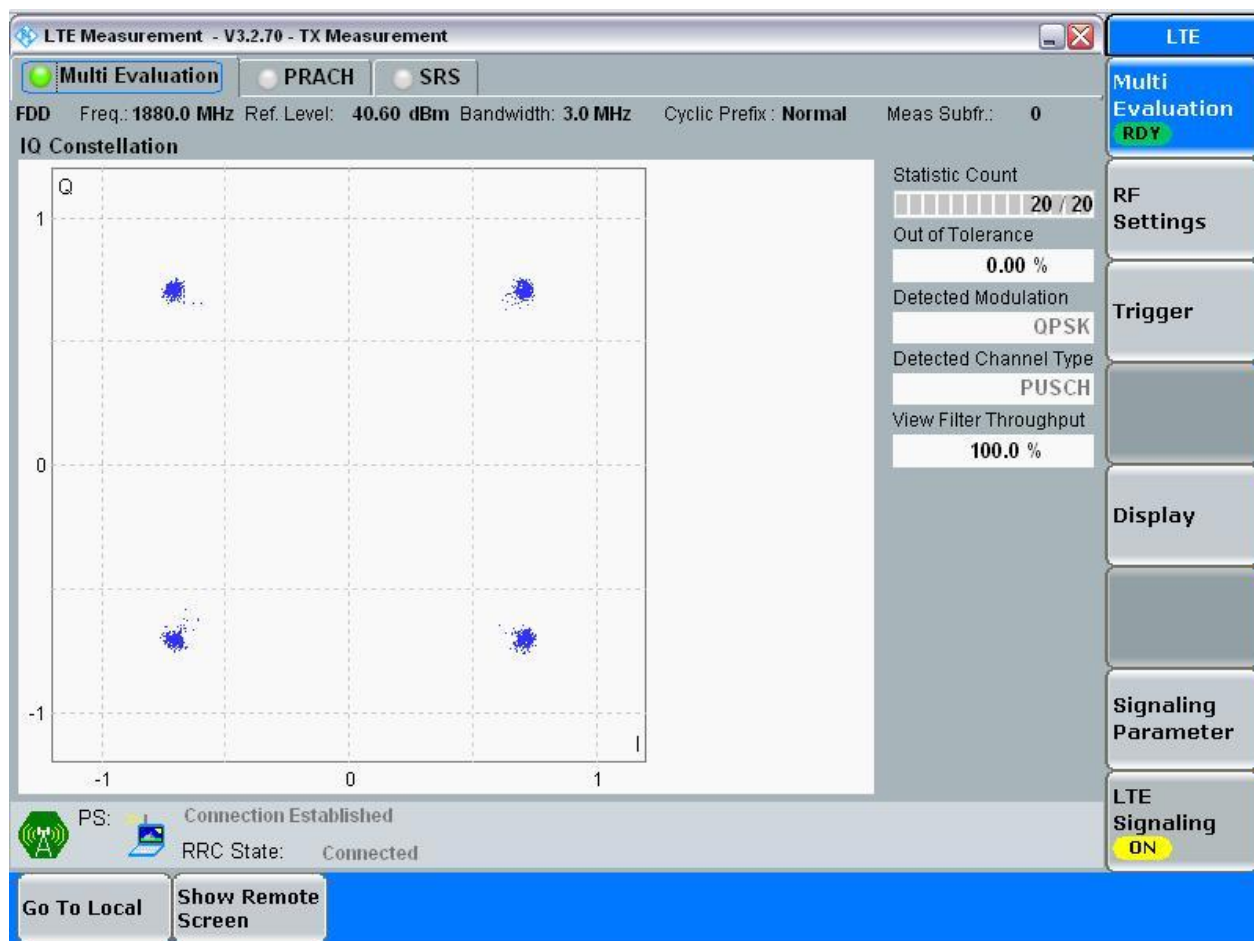
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

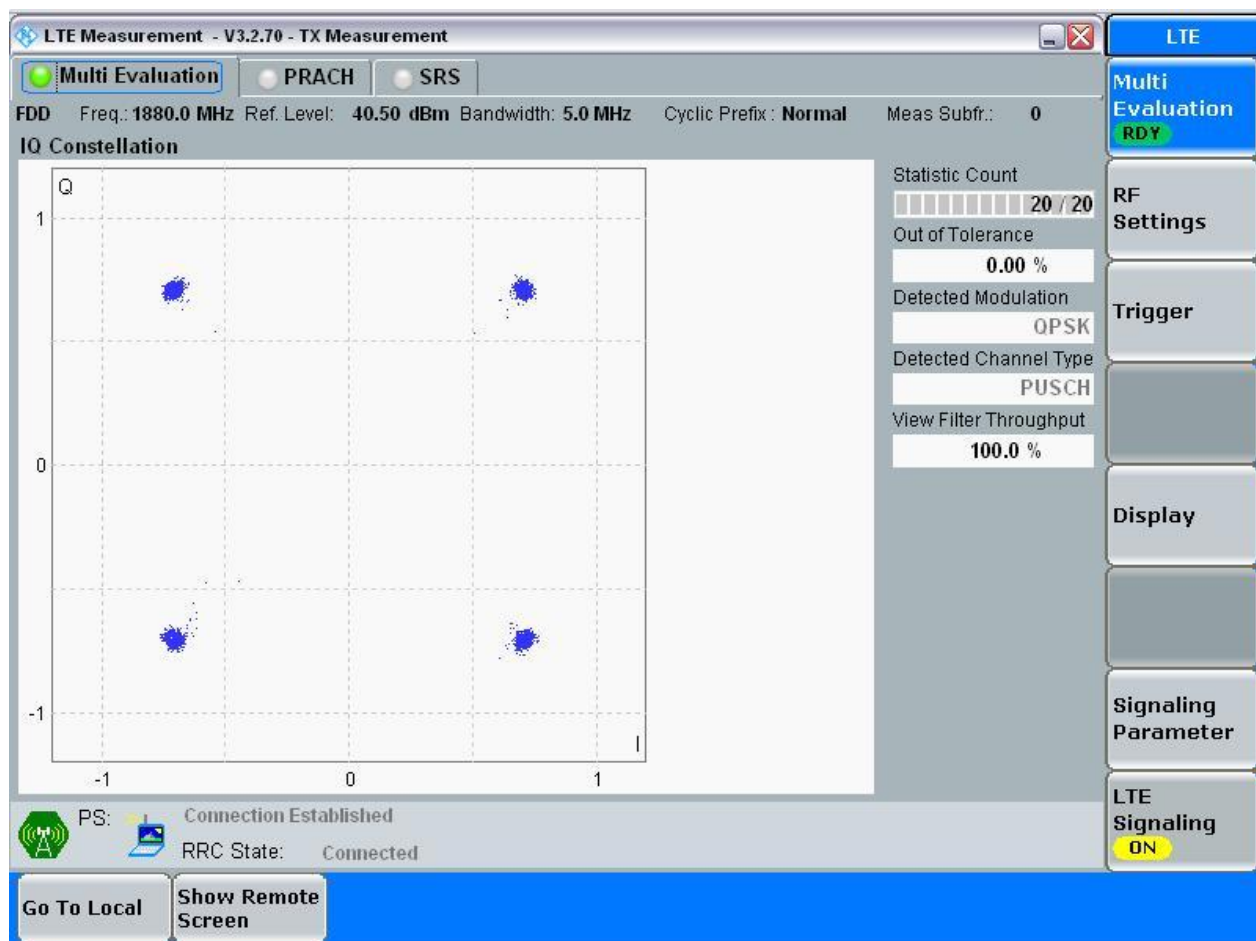
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

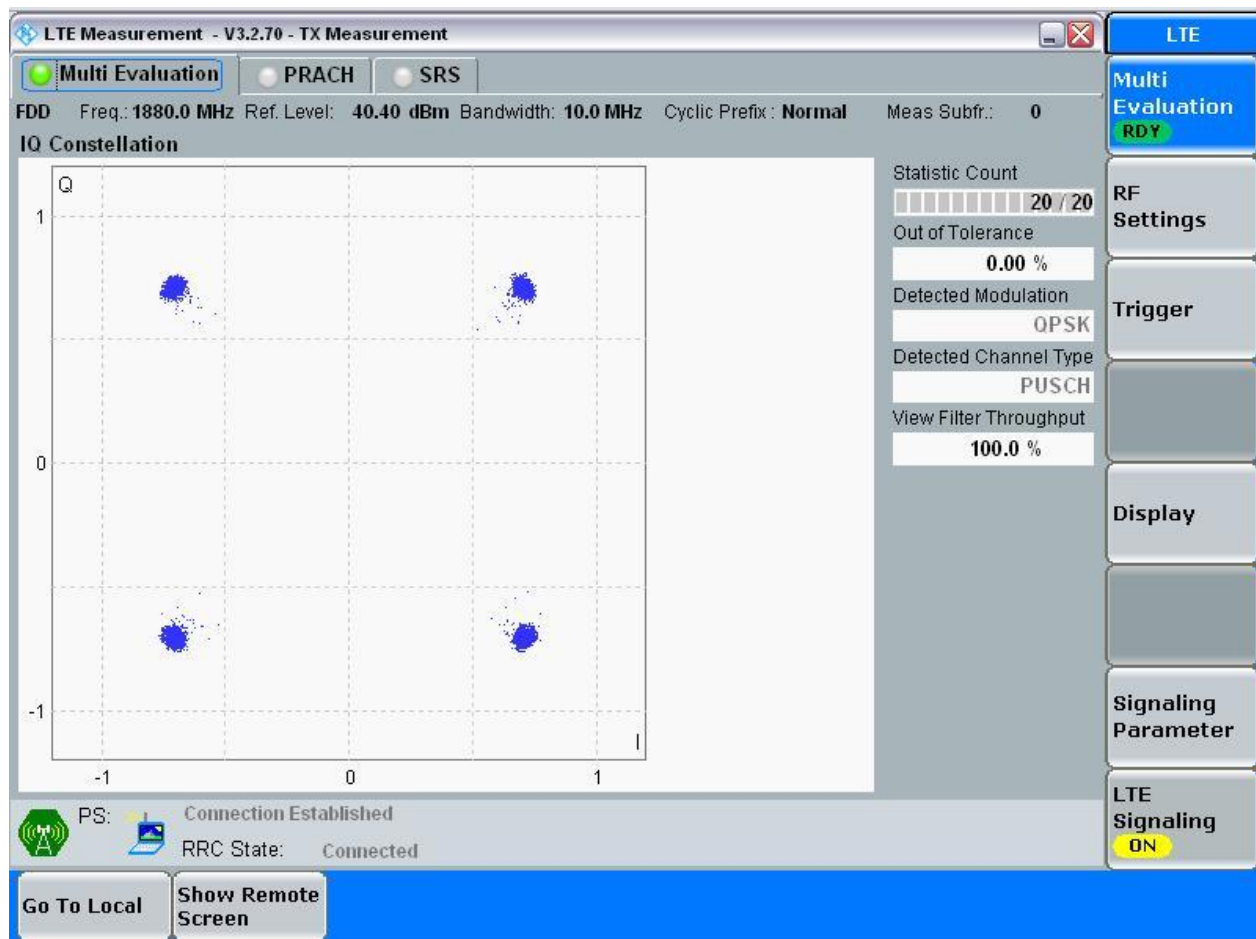
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

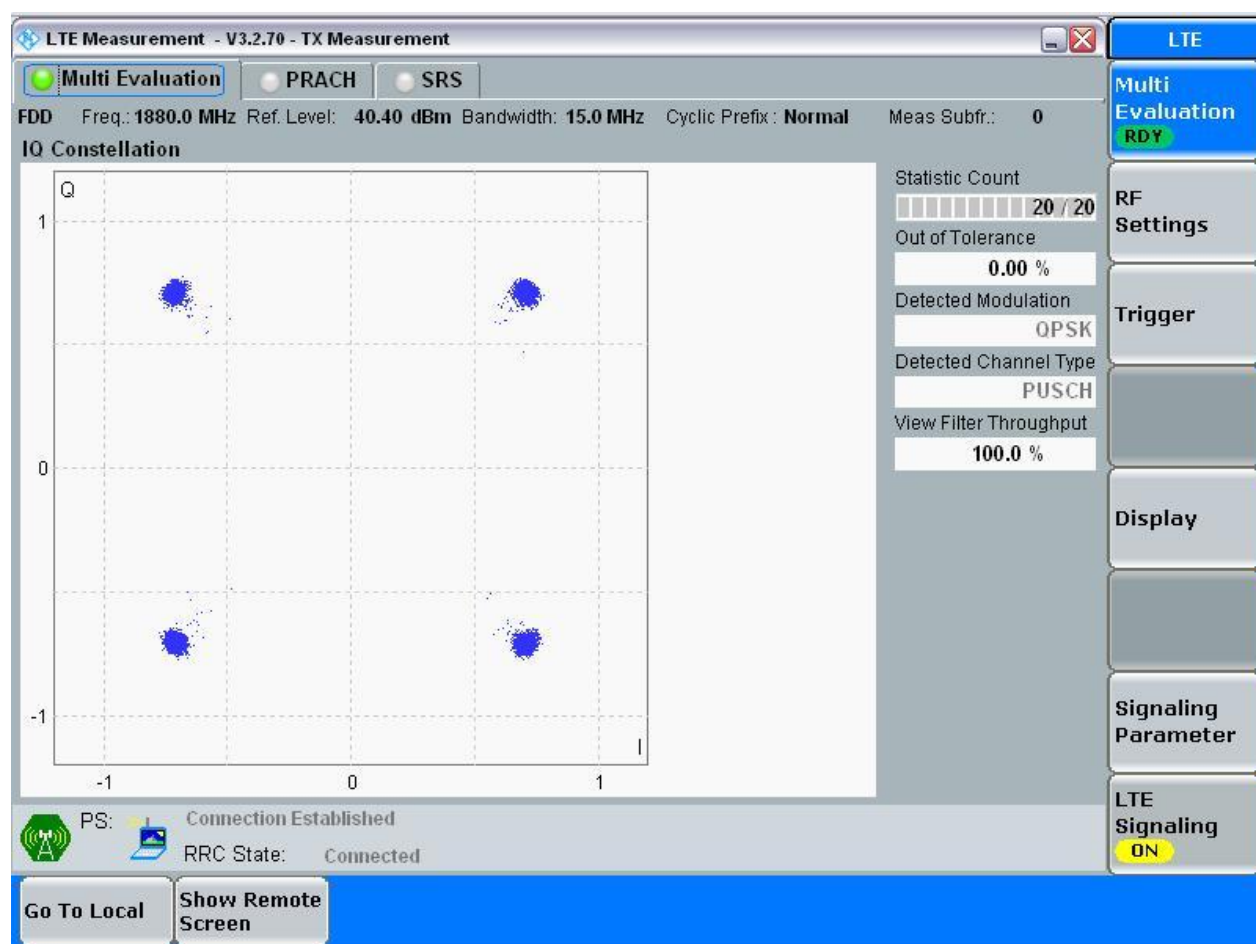
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

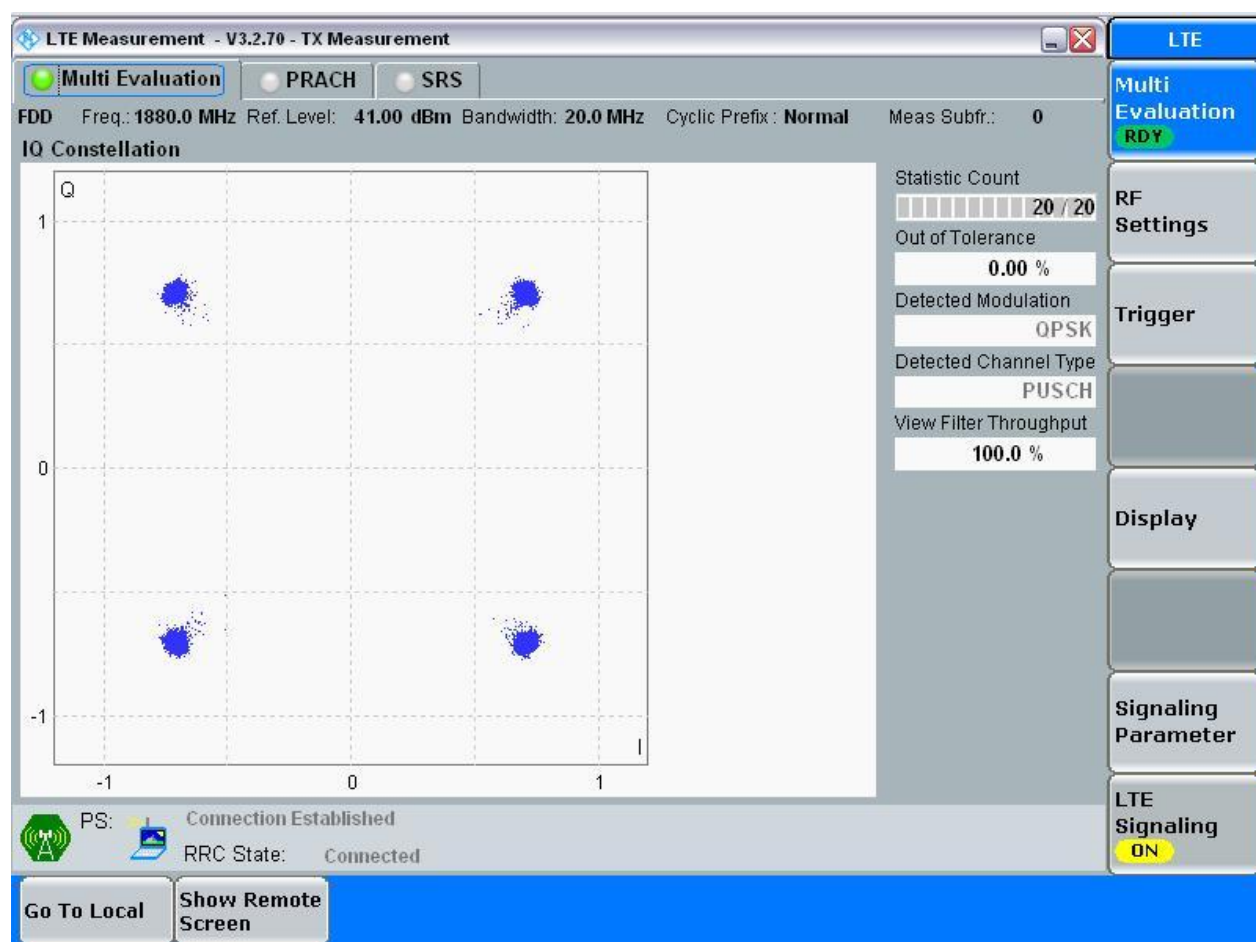
3.1.1.1.5.1.1 Test RB = RB75#0



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

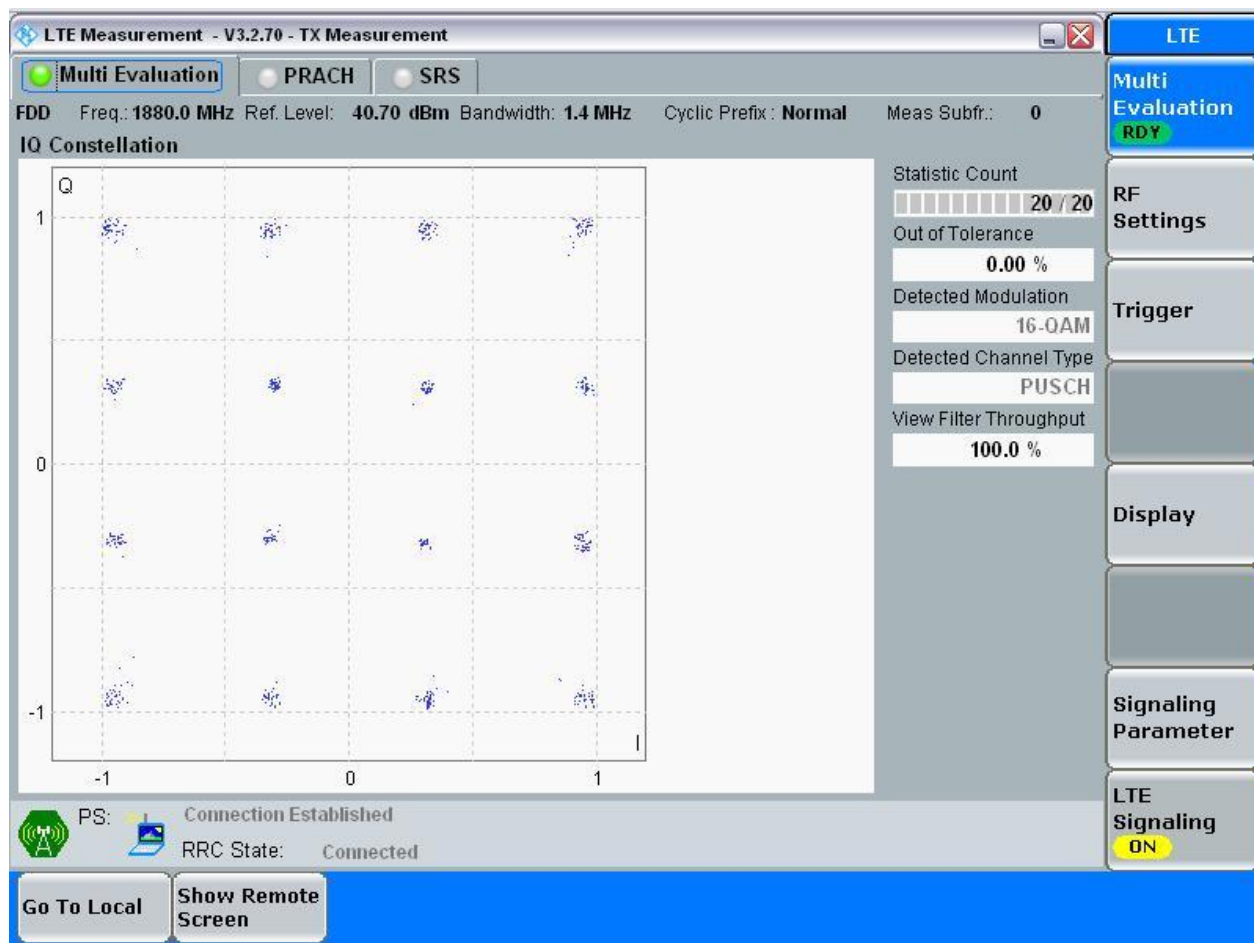


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

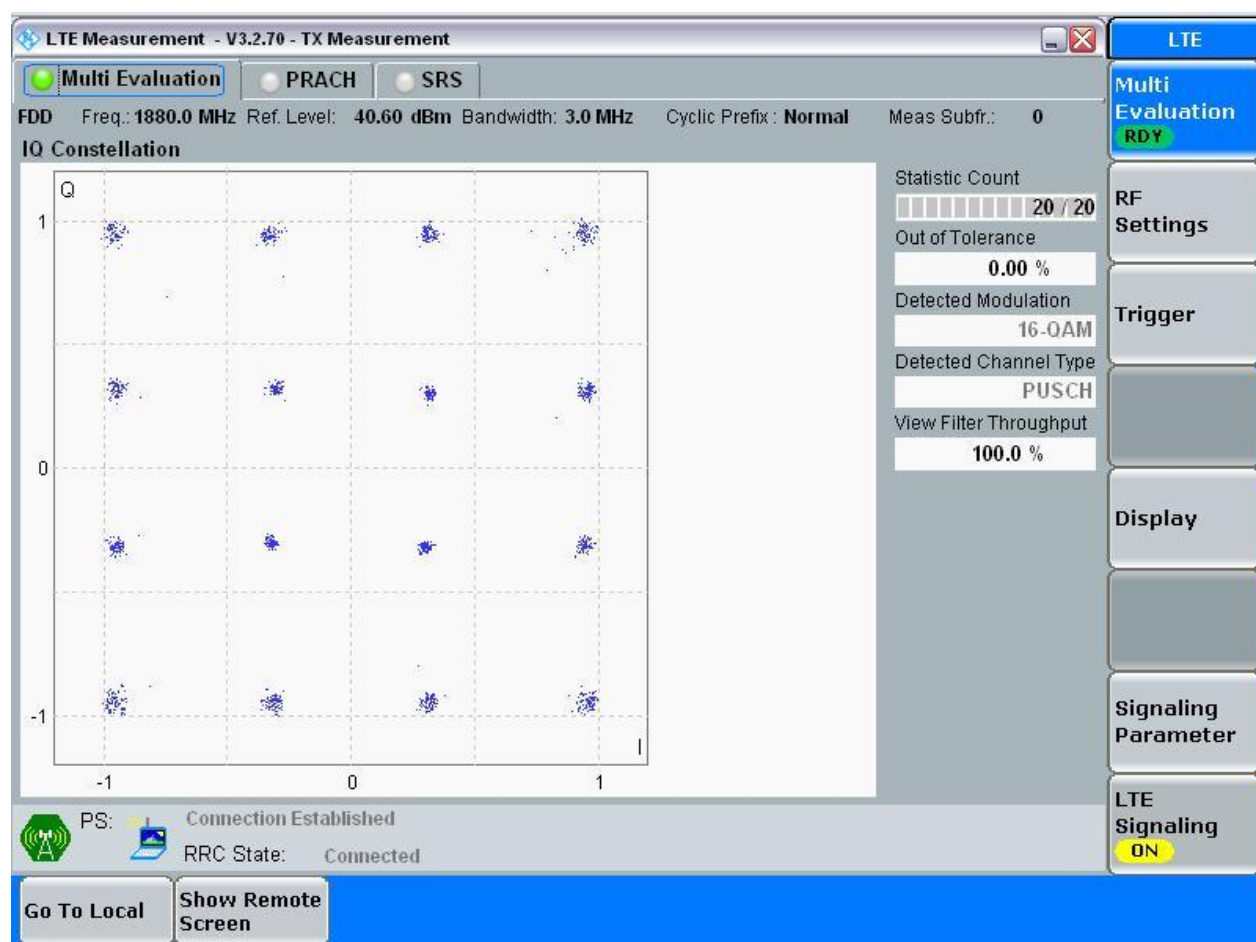
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

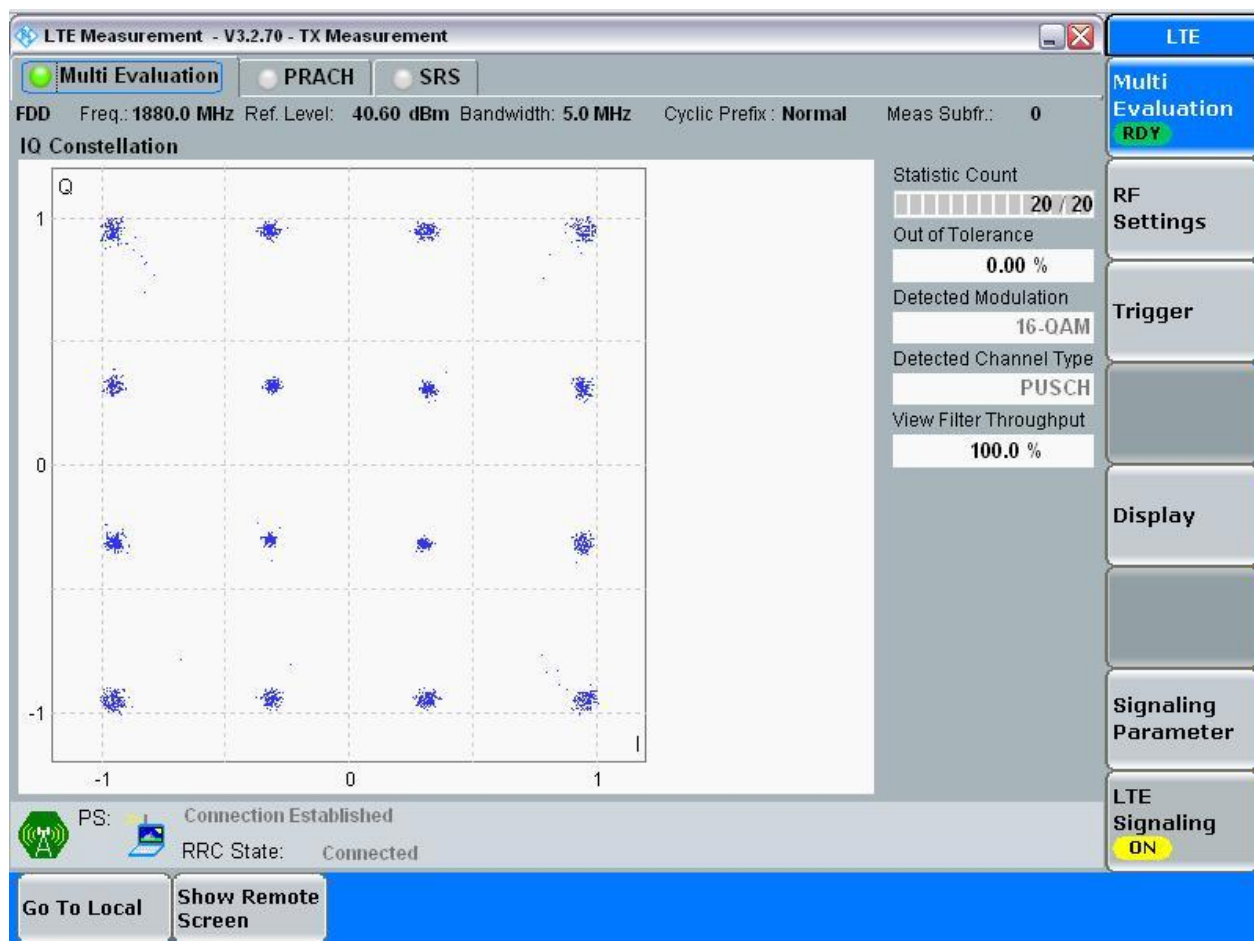
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

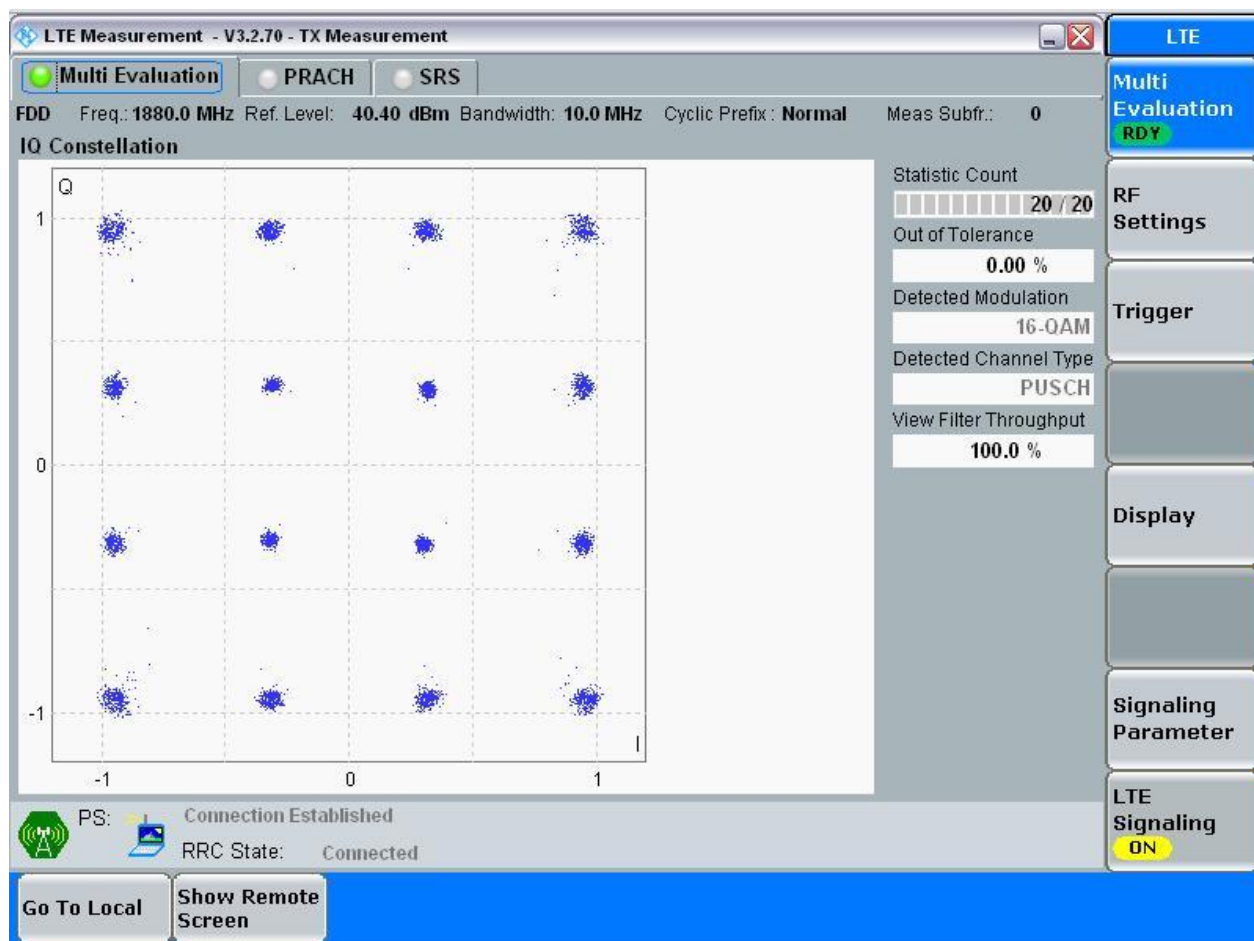
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

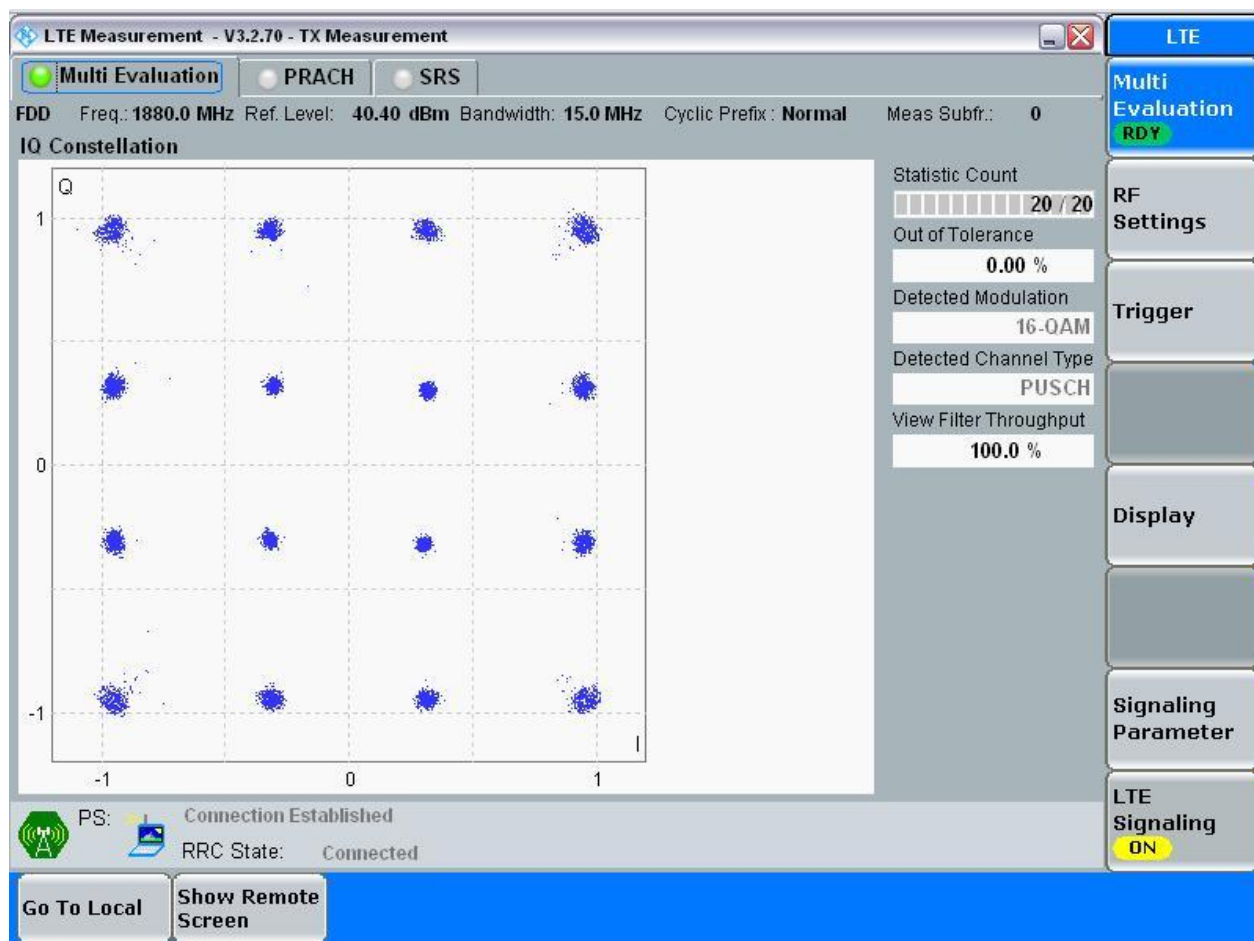
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

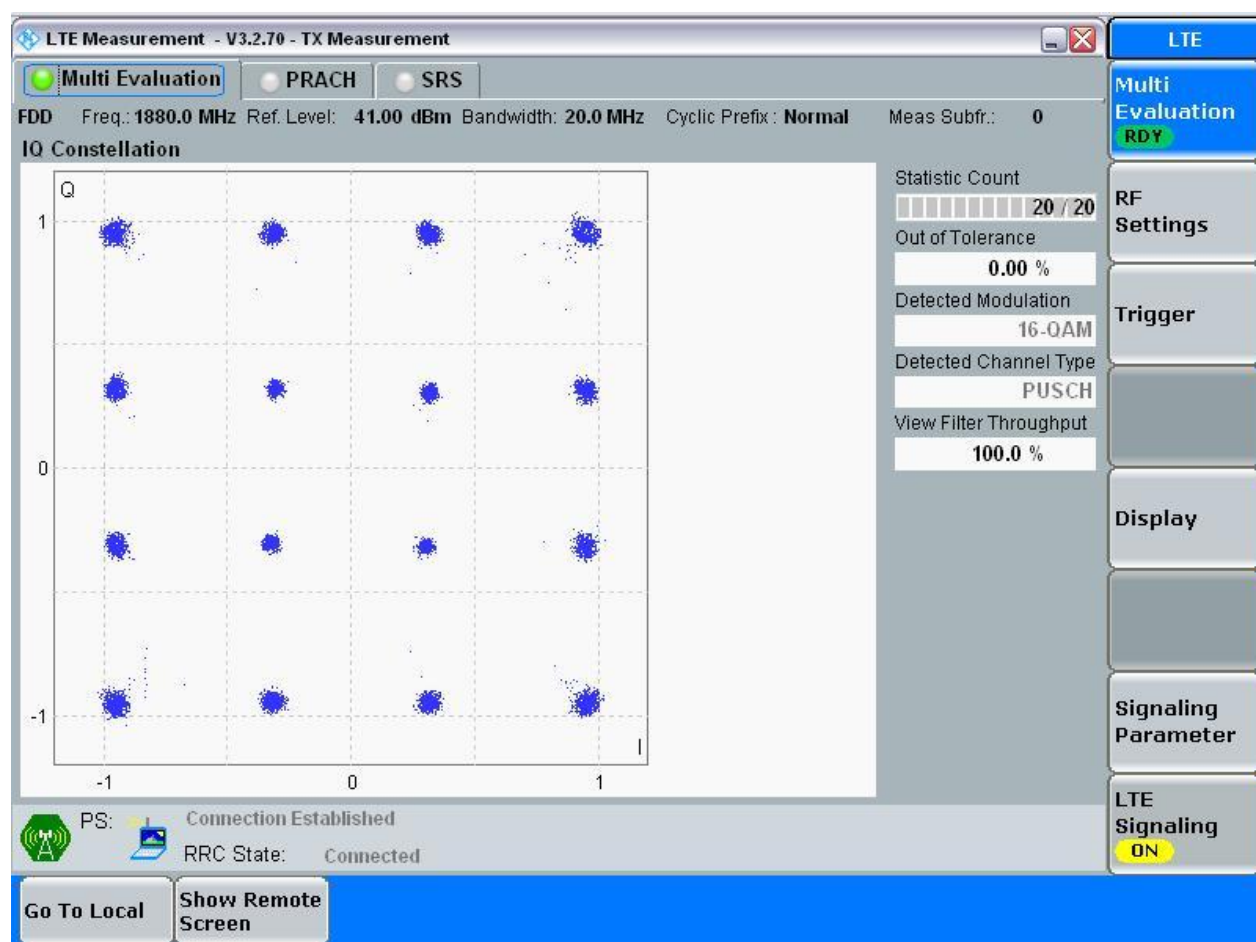
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.28	Pass
			MCH	RB6#0	1.09	1.30	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.70	3.00	Pass
			MCH	RB15#0	2.71	3.00	Pass
			HCH	RB15#0	2.71	3.00	Pass
		5	LCH	RB25#0	4.51	5.01	Pass
			MCH	RB25#0	4.51	5.01	Pass
			HCH	RB25#0	4.50	4.98	Pass
		10	LCH	RB50#0	8.98	9.88	Pass
			MCH	RB50#0	8.99	9.89	Pass
			HCH	RB50#0	8.96	9.91	Pass
		15	LCH	RB75#0	13.45	14.73	Pass
			MCH	RB75#0	13.46	14.81	Pass
			HCH	RB75#0	13.43	14.74	Pass
		20	LCH	RB100#0	17.88	19.31	Pass
			MCH	RB100#0	17.93	19.38	Pass
			HCH	RB100#0	17.89	19.50	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.31	Pass
			MCH	RB6#0	1.10	1.31	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.71	3.01	Pass
			MCH	RB15#0	2.71	3.00	Pass
			HCH	RB15#0	2.70	3.01	Pass
		5	LCH	RB25#0	4.52	5.03	Pass
			MCH	RB25#0	4.52	5.02	Pass
			HCH	RB25#0	4.52	5.03	Pass
		10	LCH	RB50#0	8.98	9.90	Pass
			MCH	RB50#0	8.98	9.94	Pass
			HCH	RB50#0	8.99	9.87	Pass
		15	LCH	RB75#0	13.43	14.73	Pass
			MCH	RB75#0	13.44	14.70	Pass
			HCH	RB75#0	13.39	14.66	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		20	LCH	RB100#0	17.89	19.45	Pass
			MCH	RB100#0	17.92	19.49	Pass
			HCH	RB100#0	17.84	19.42	Pass



Part II - Test Plots

4.1 For LTE

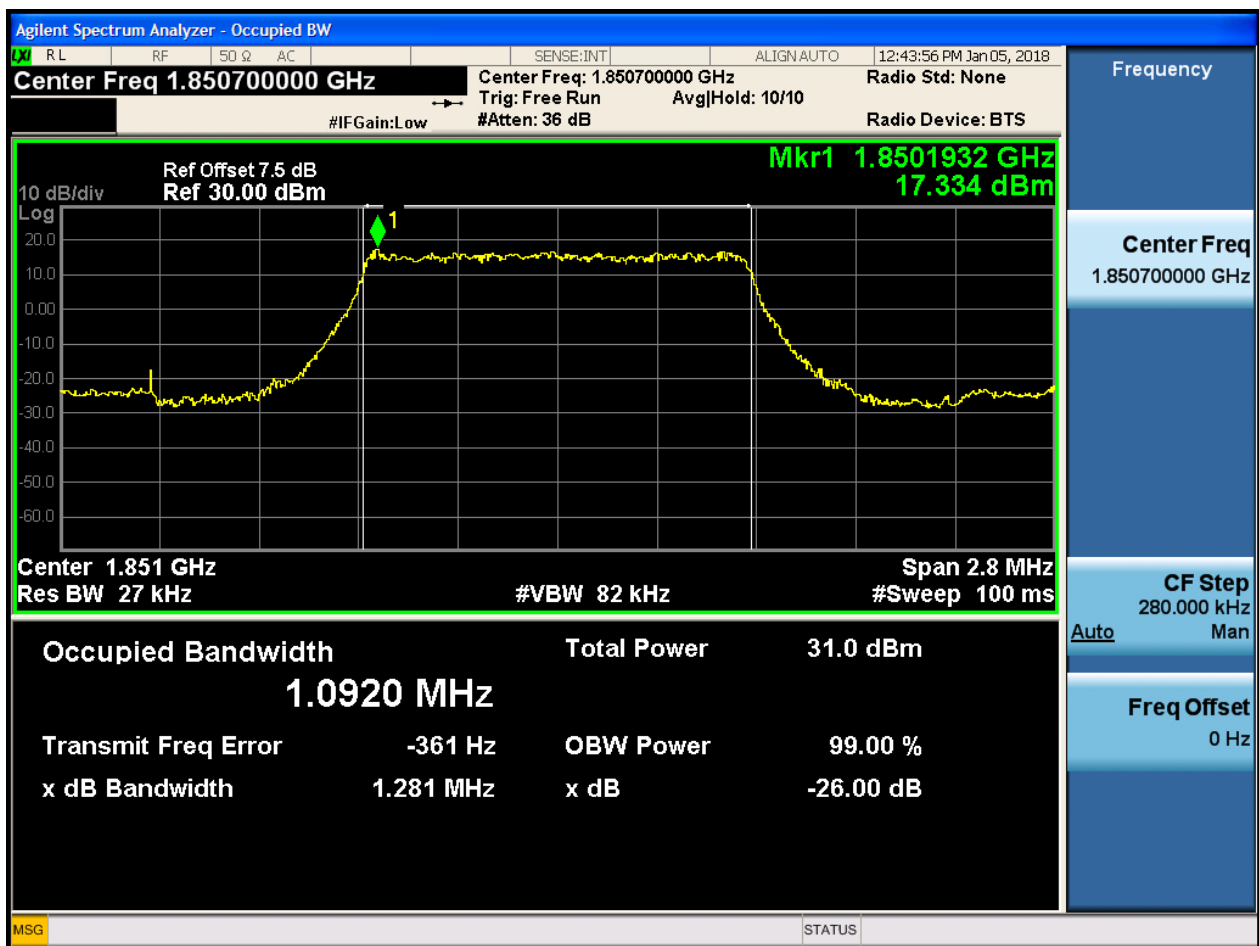
4.1.1 Test Band = BAND2

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

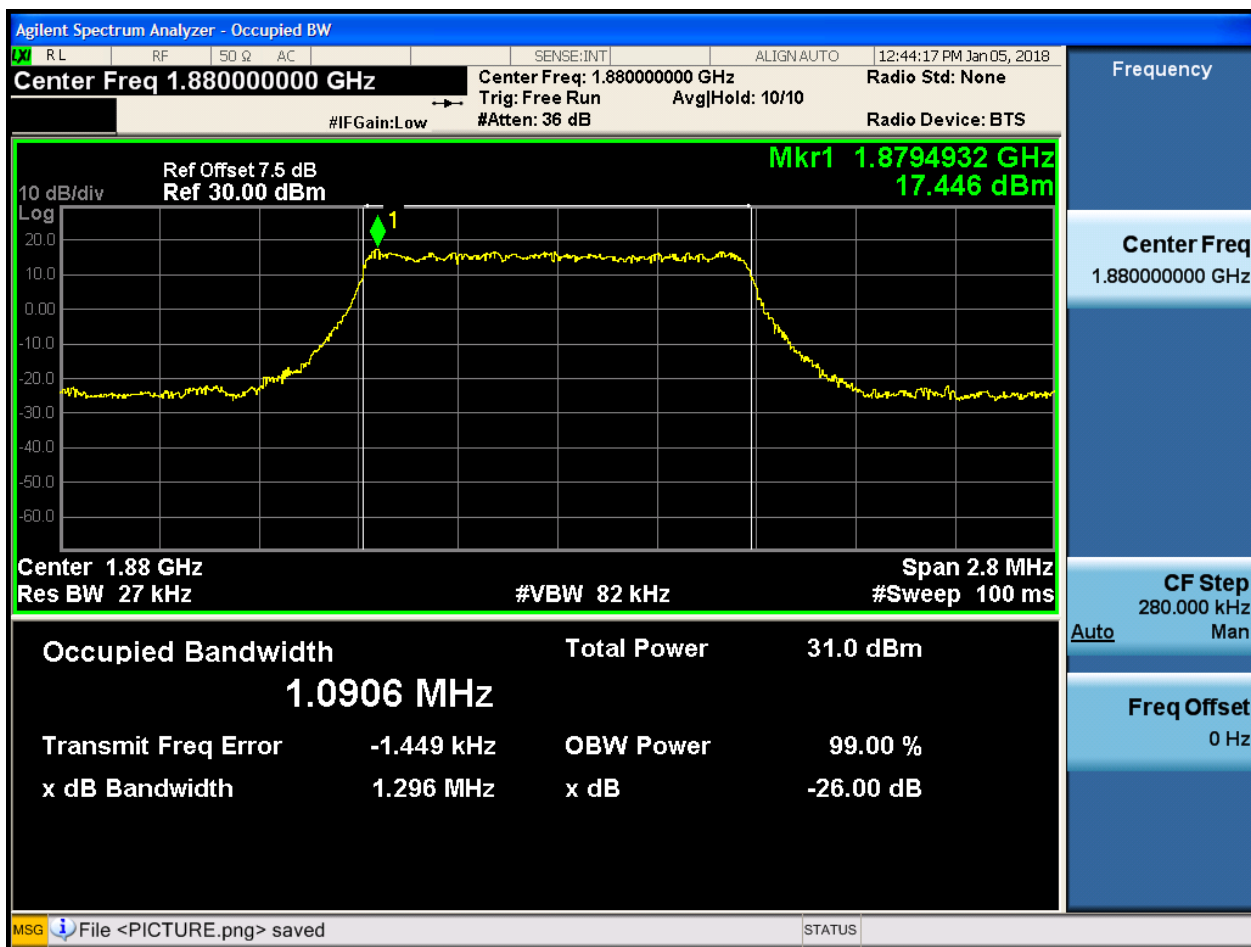
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

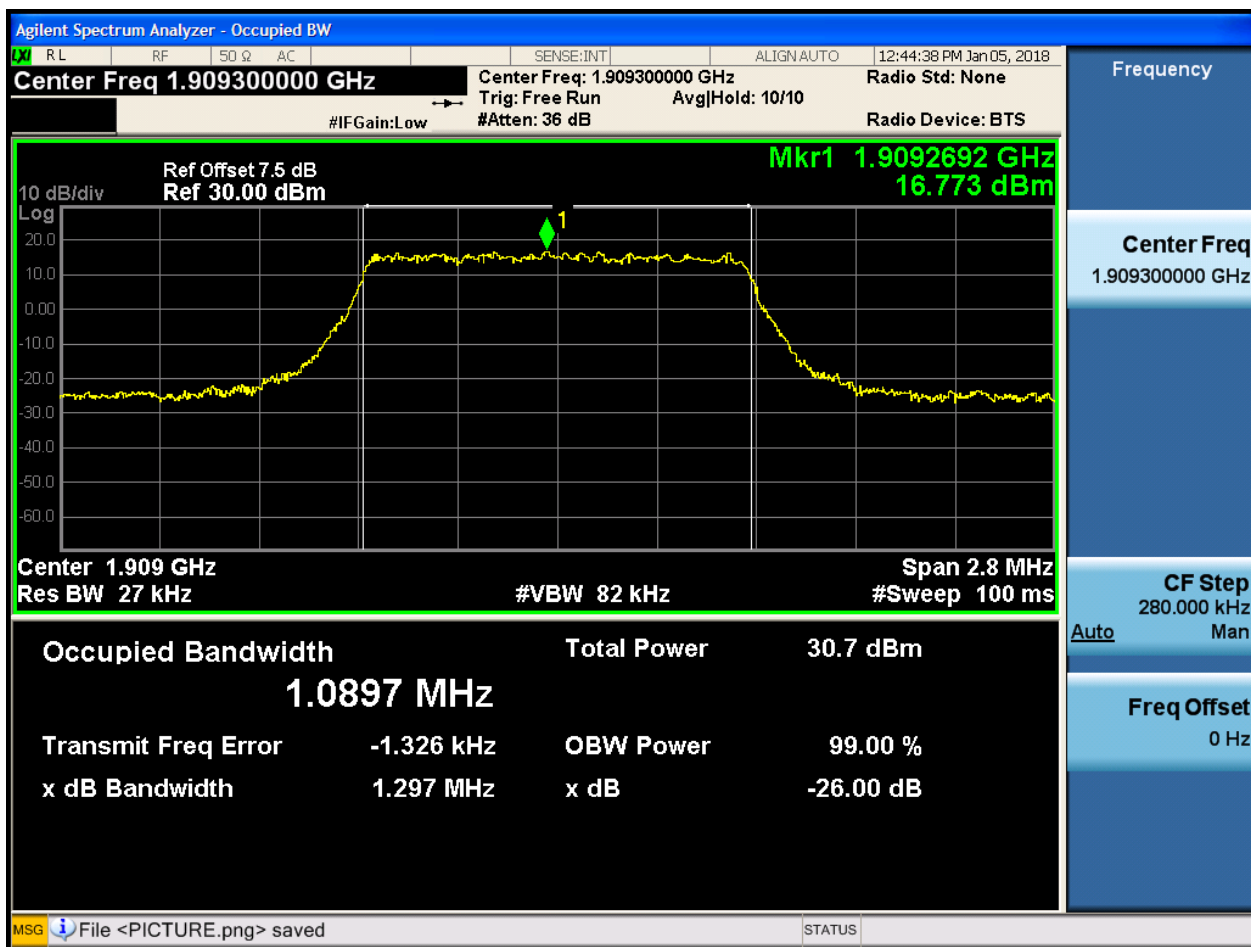
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

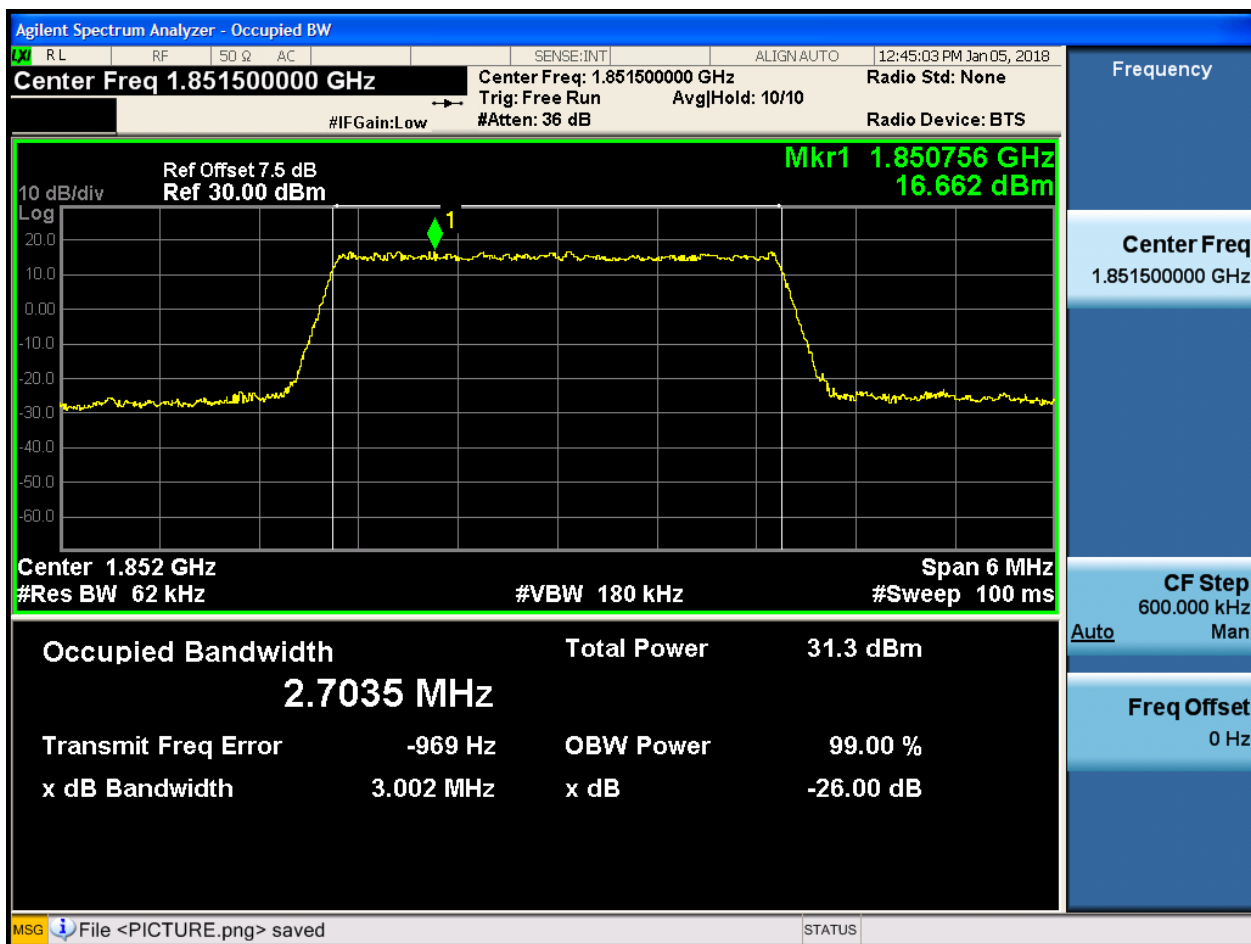




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

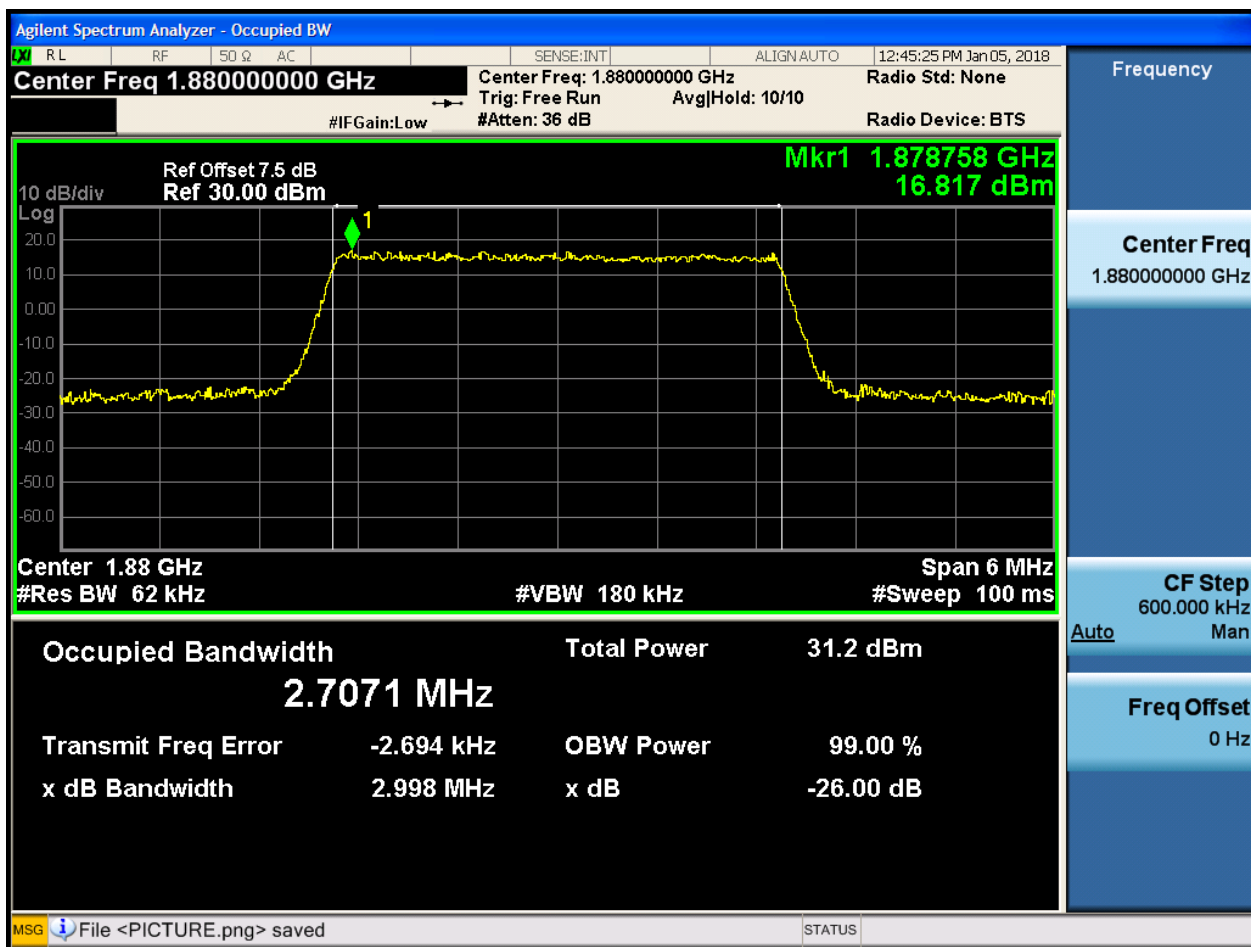
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

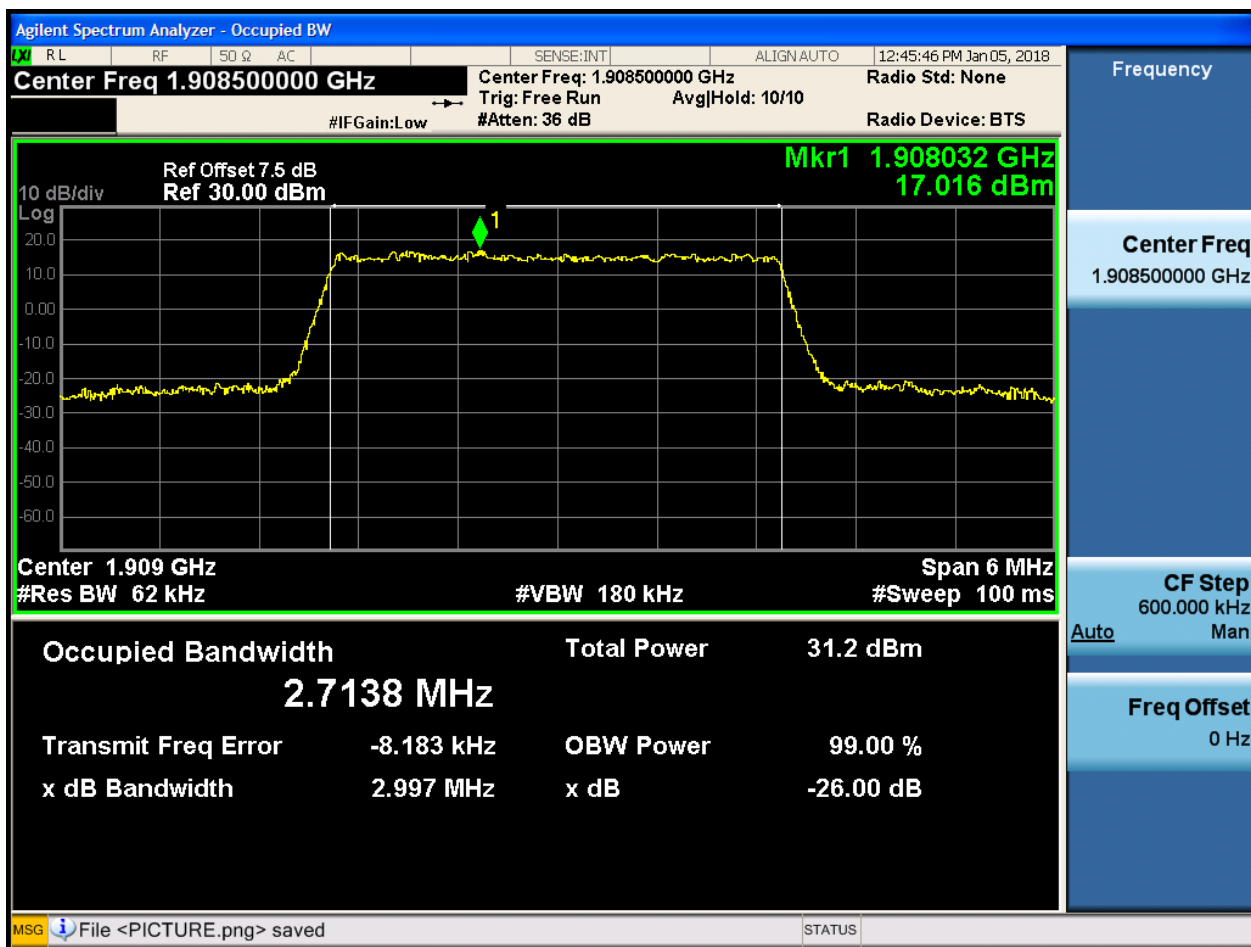
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

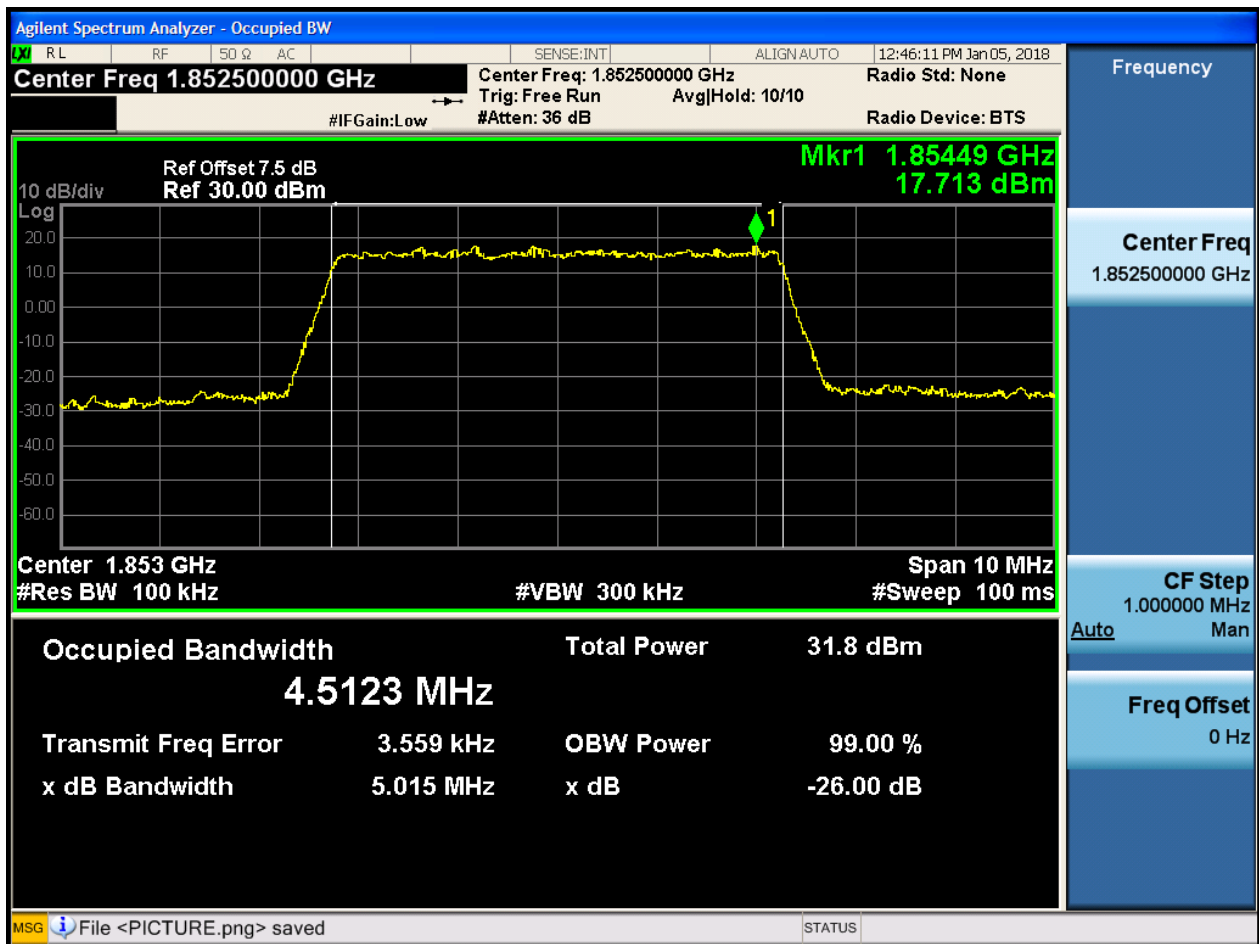




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

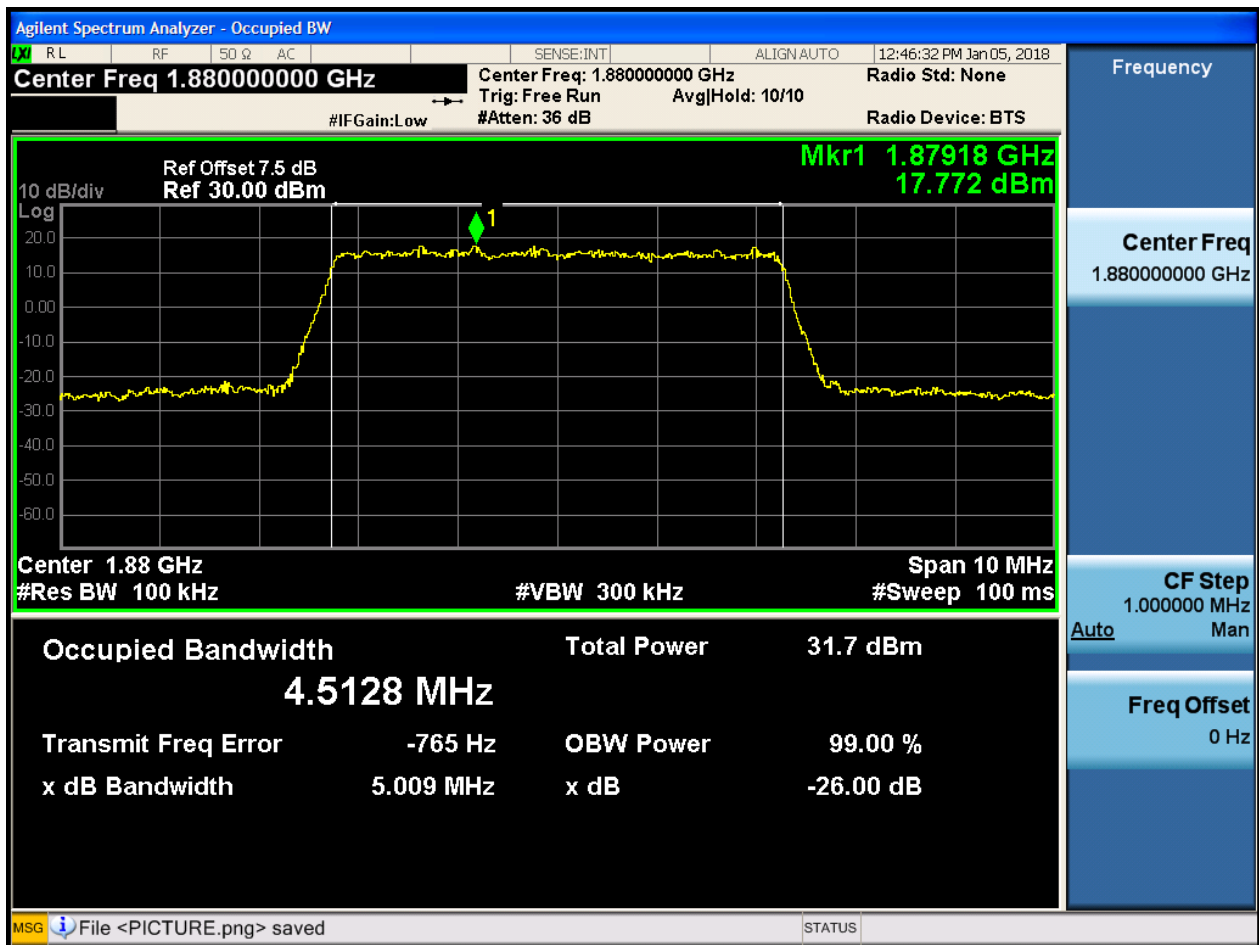
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

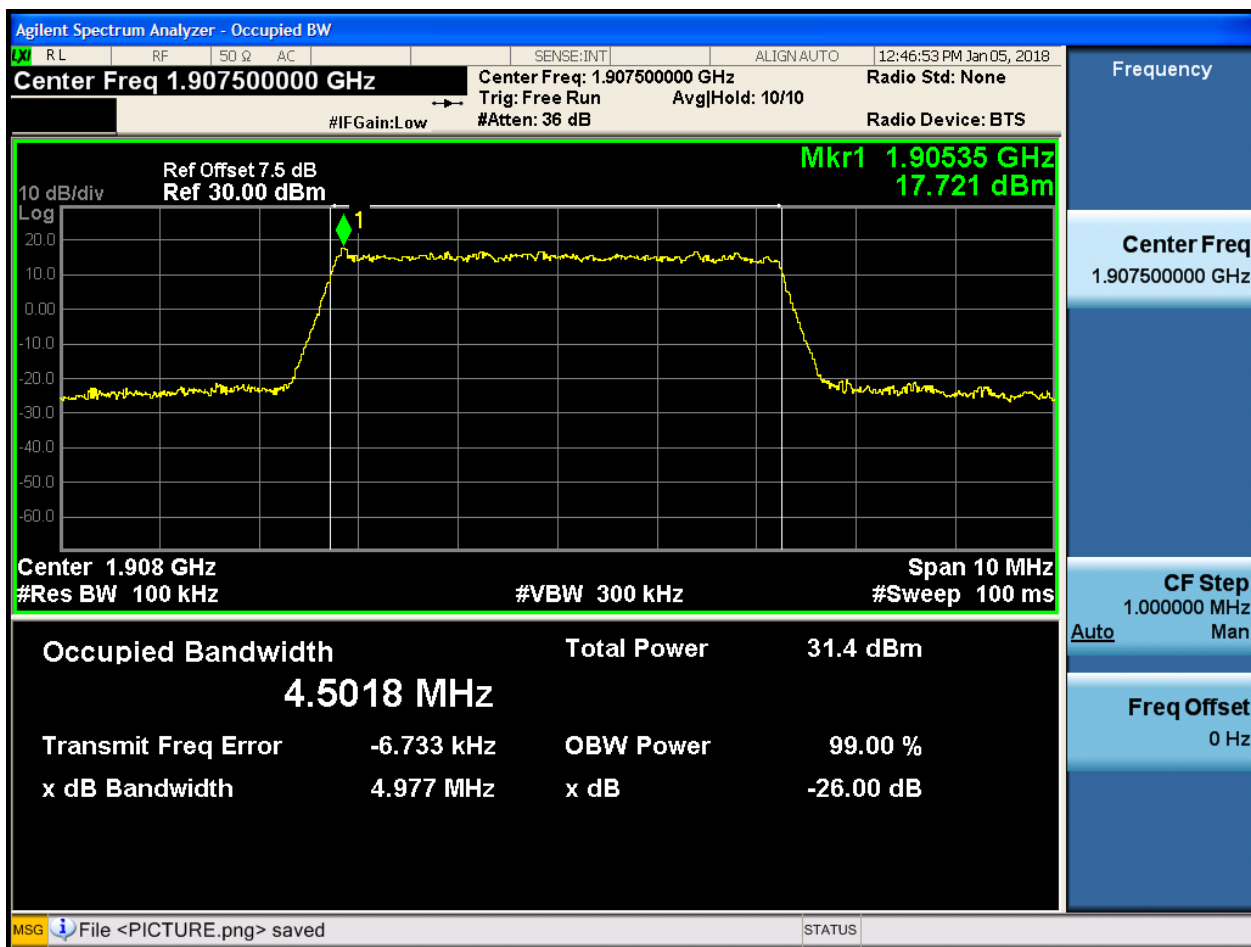
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

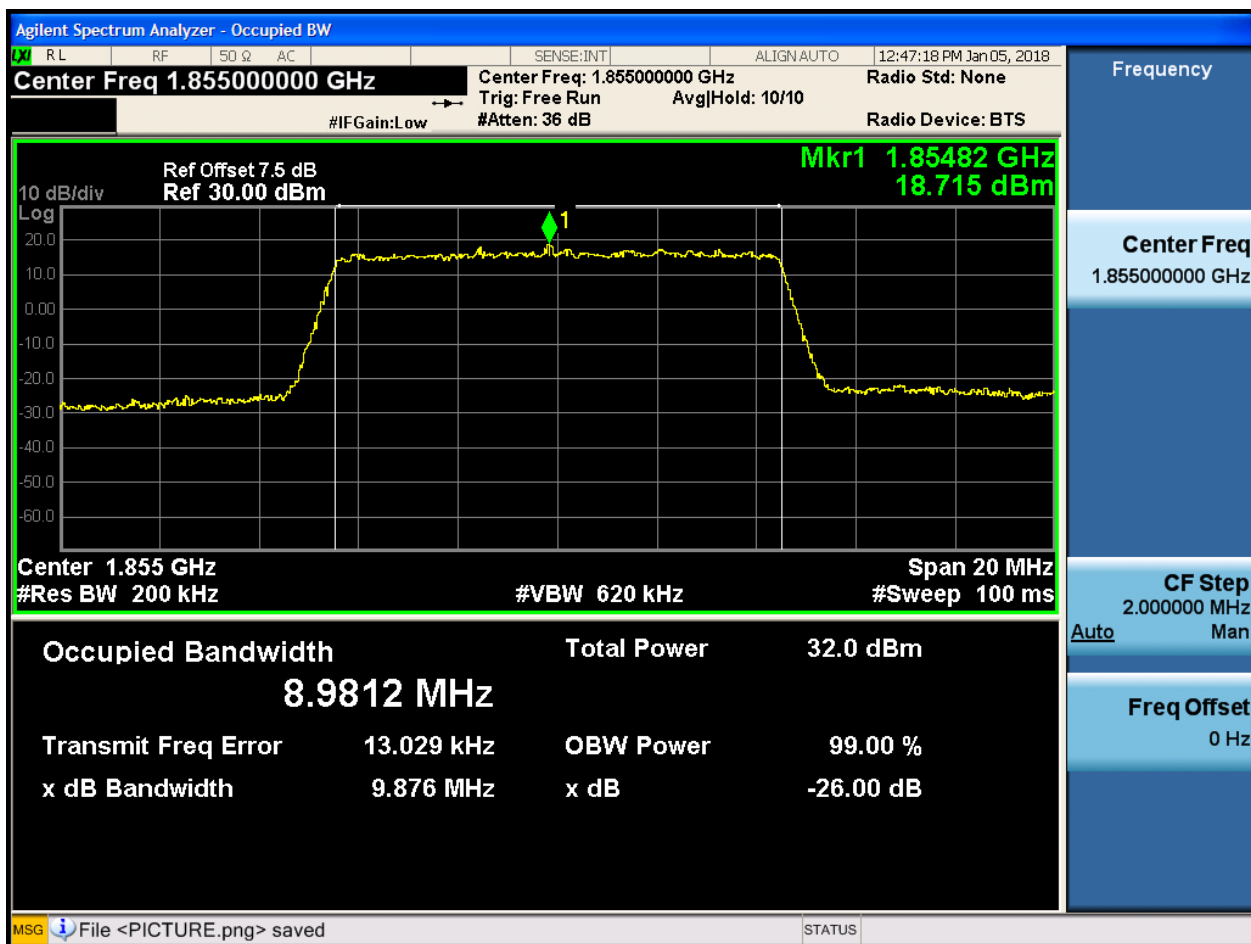




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

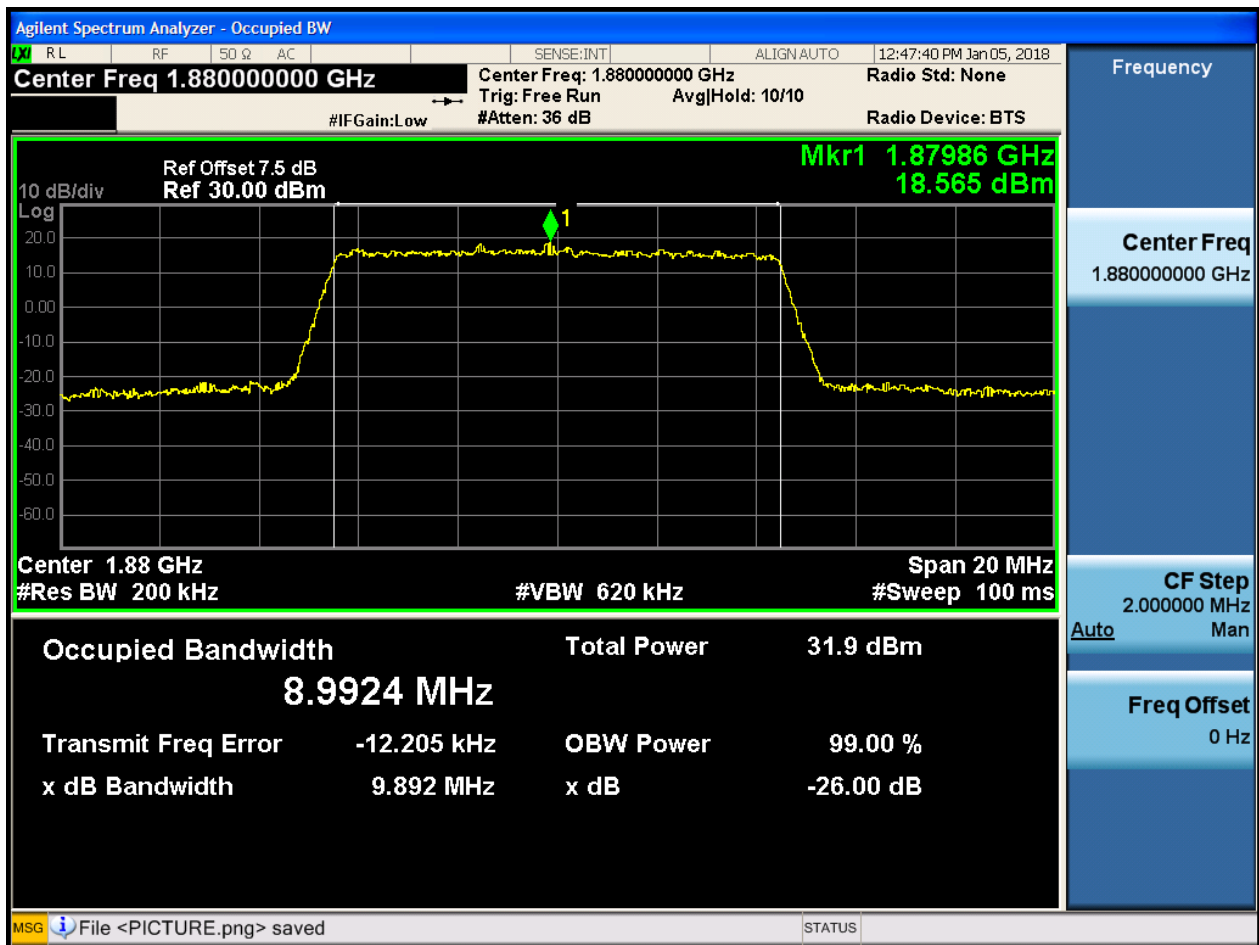
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

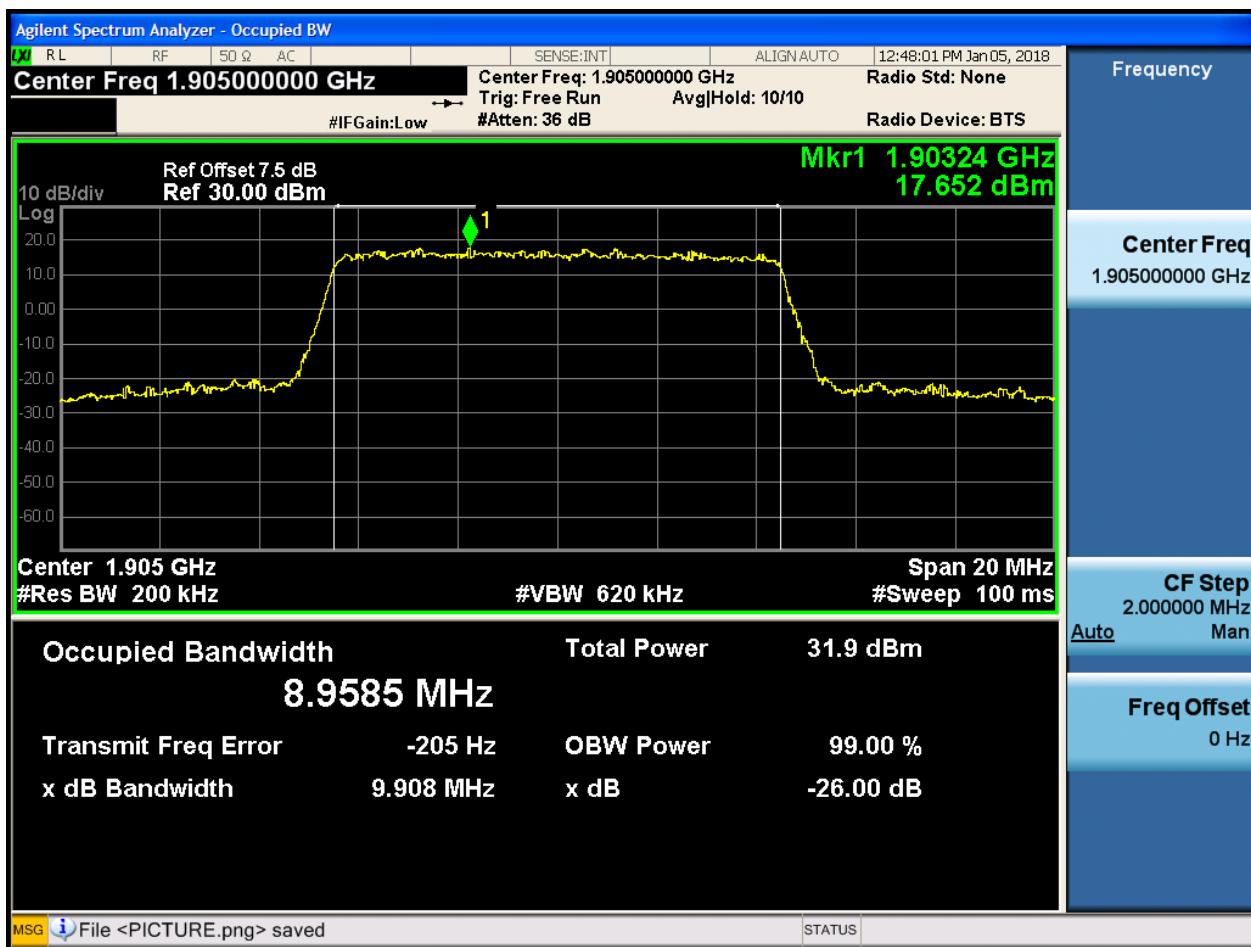
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

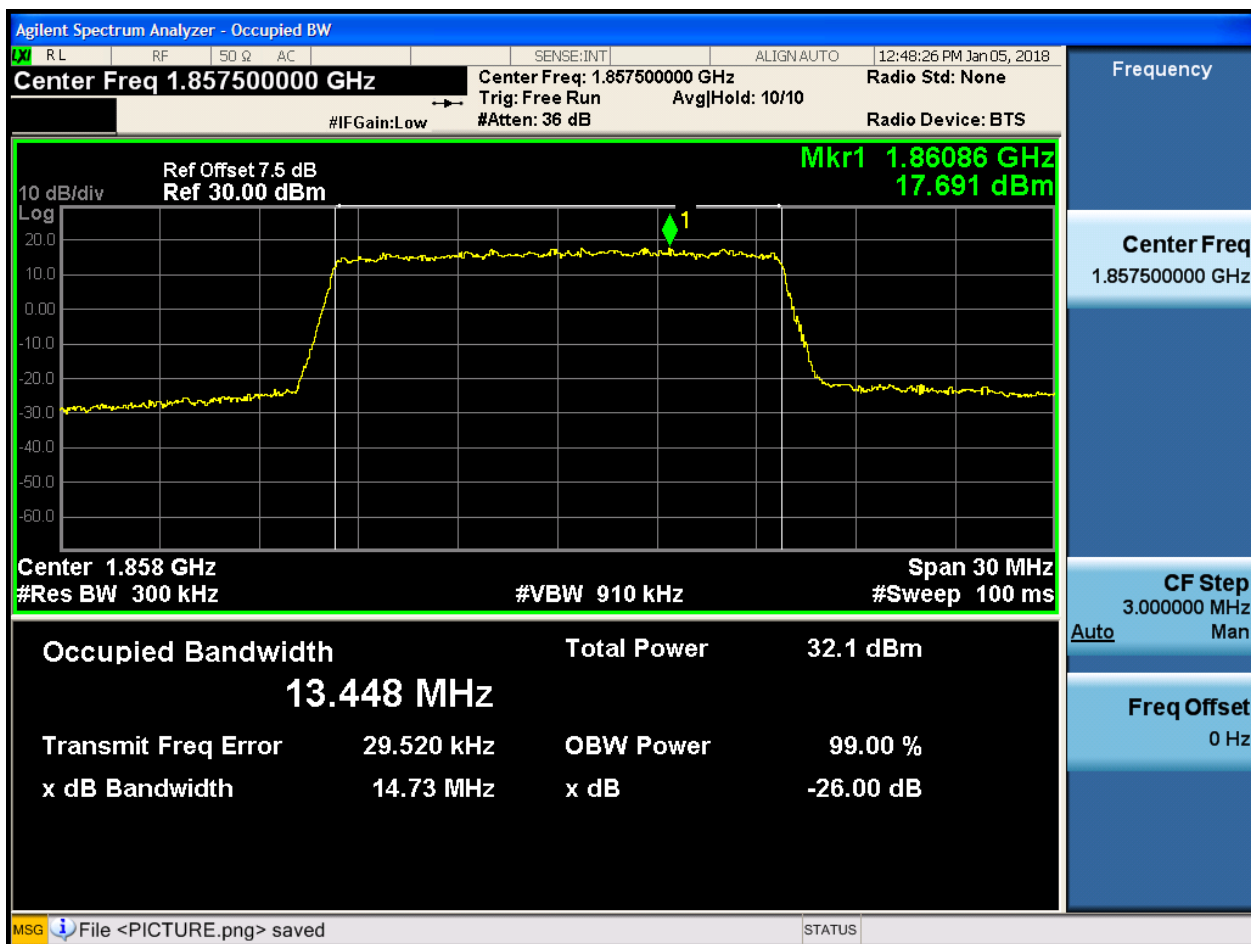




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

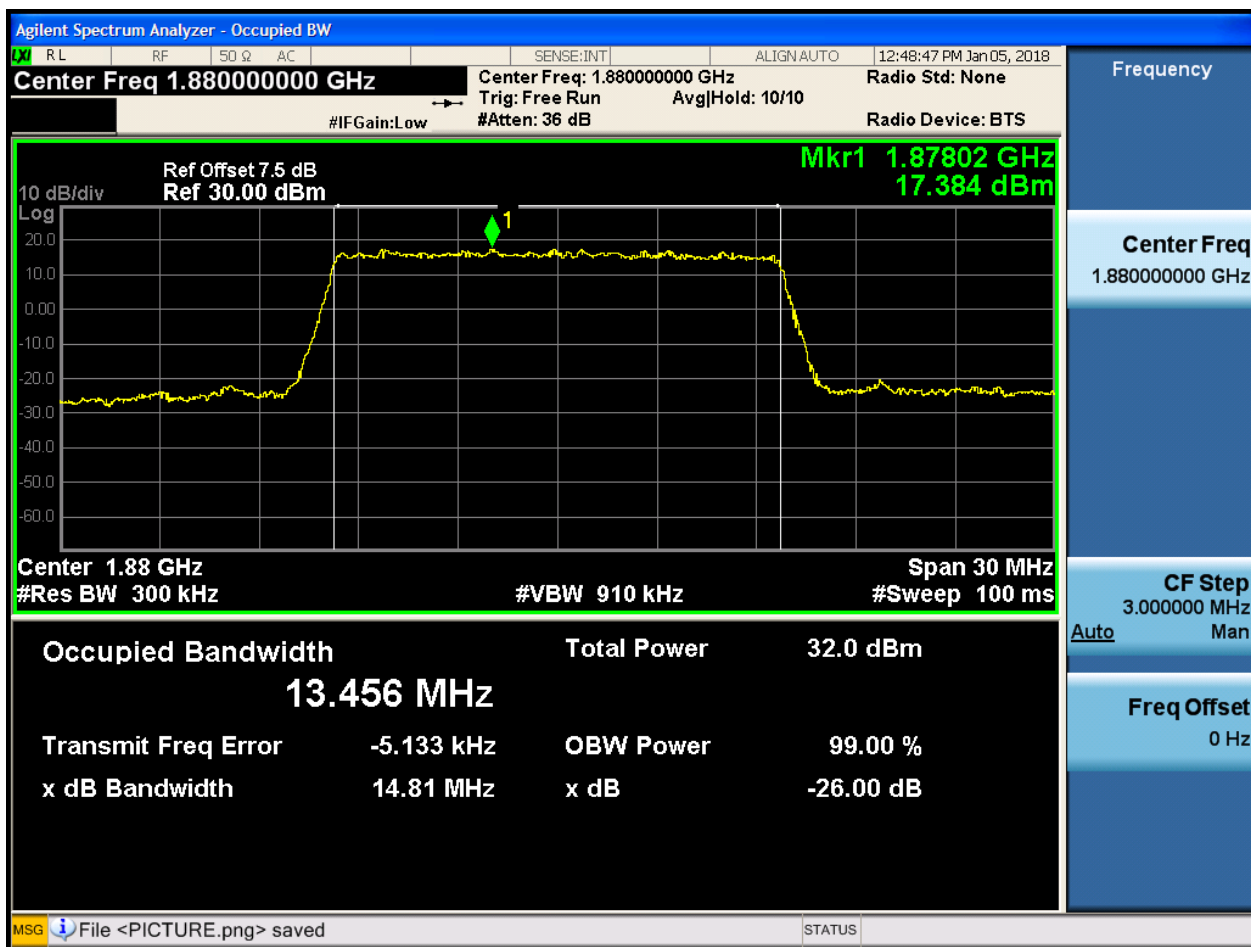
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

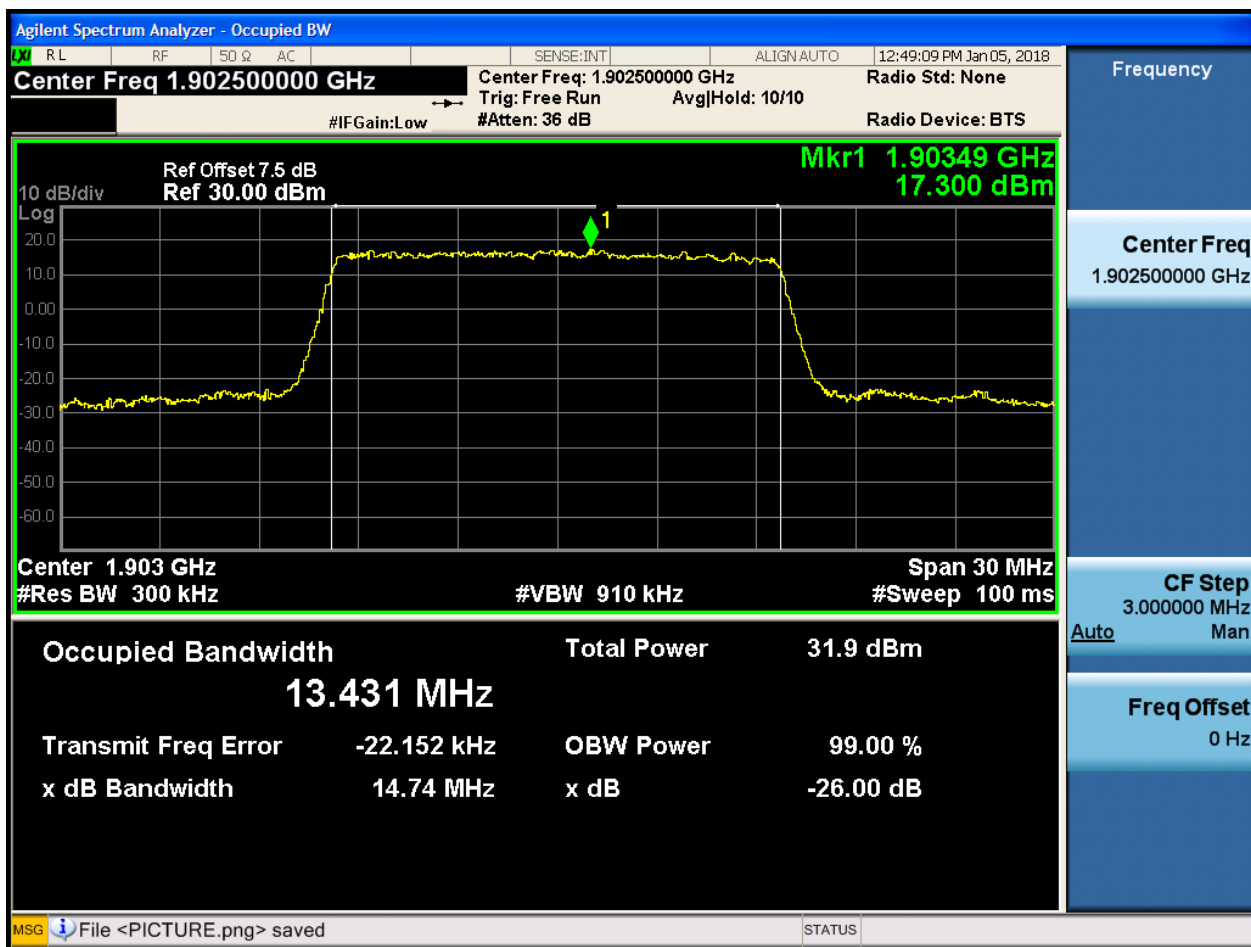
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

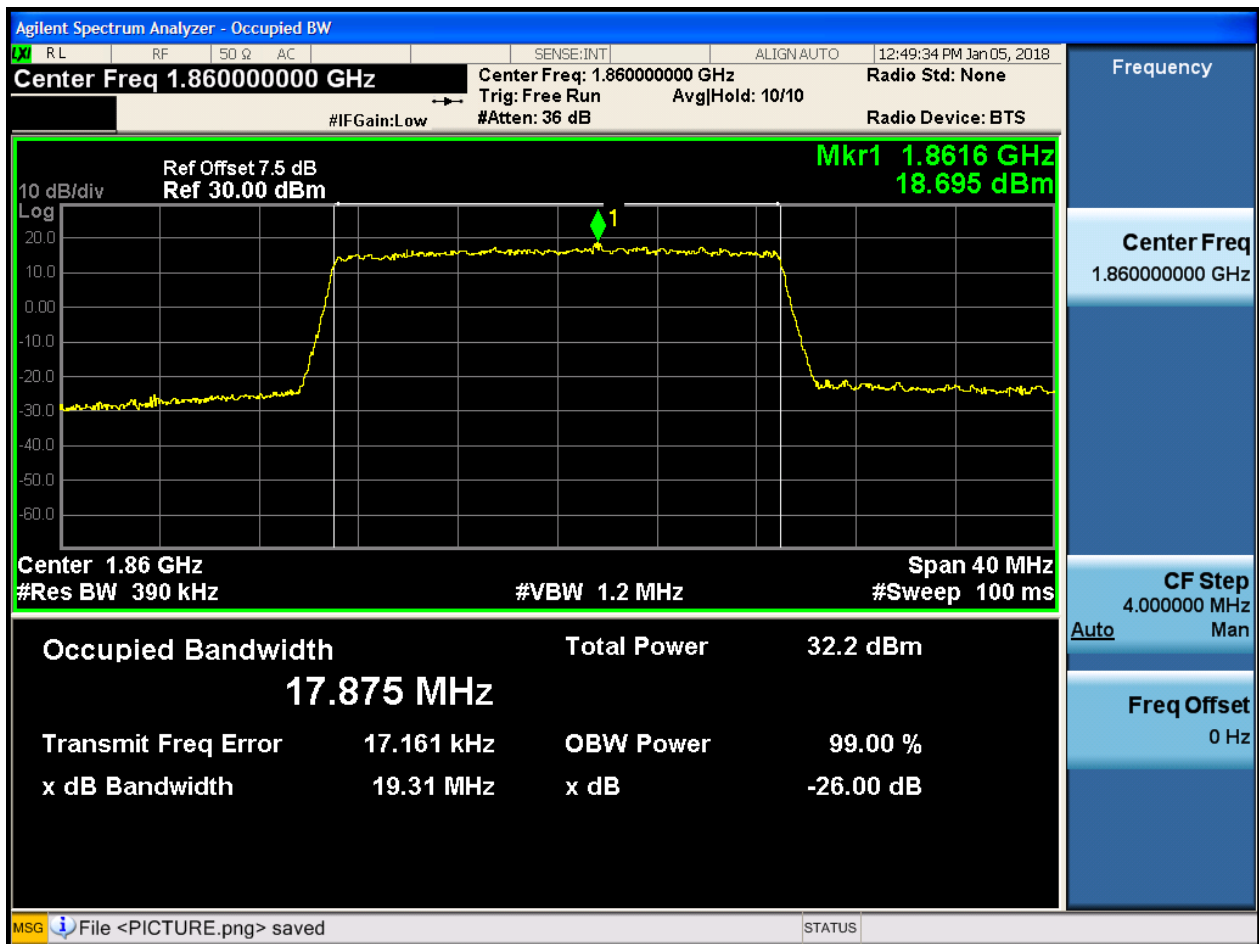




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

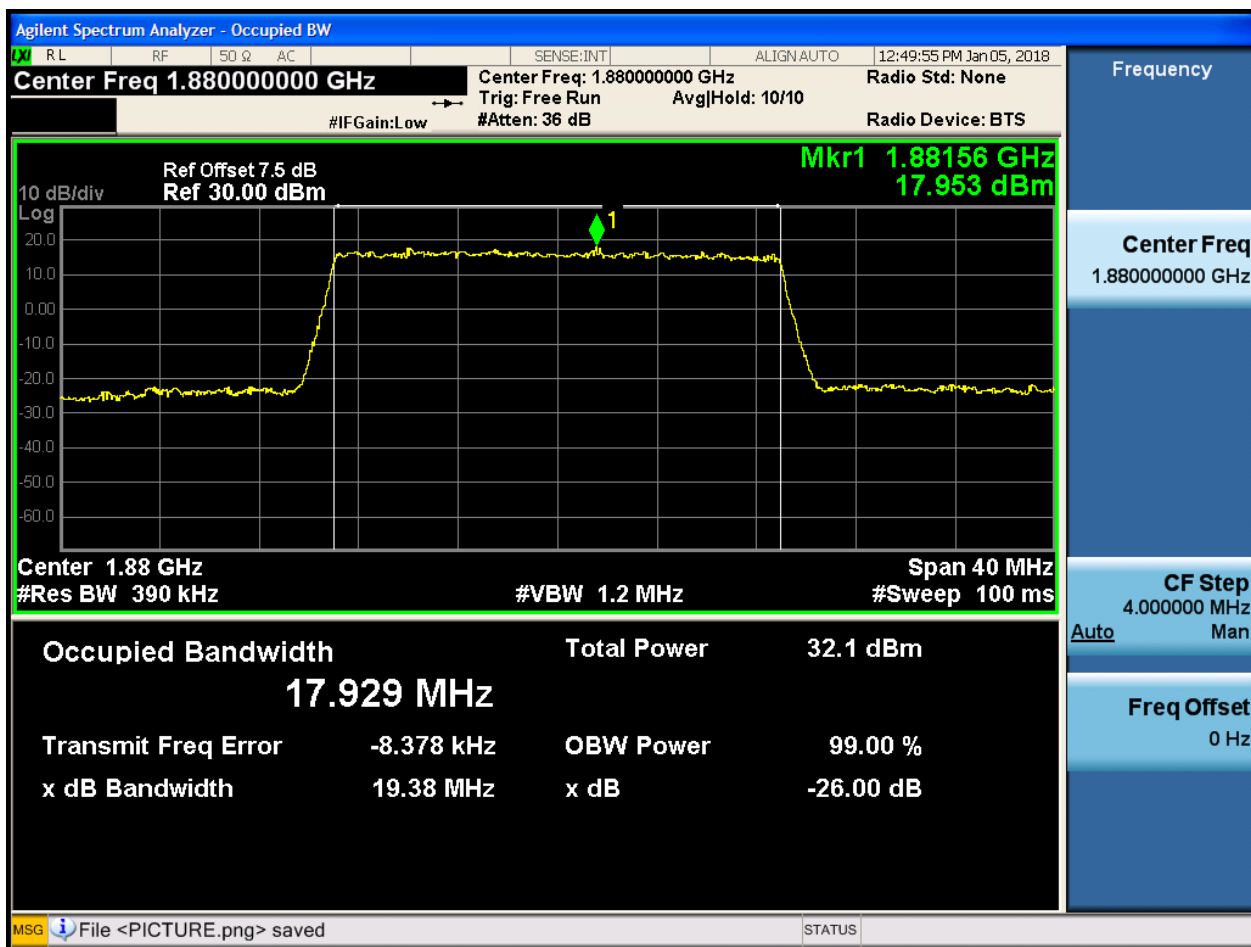
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

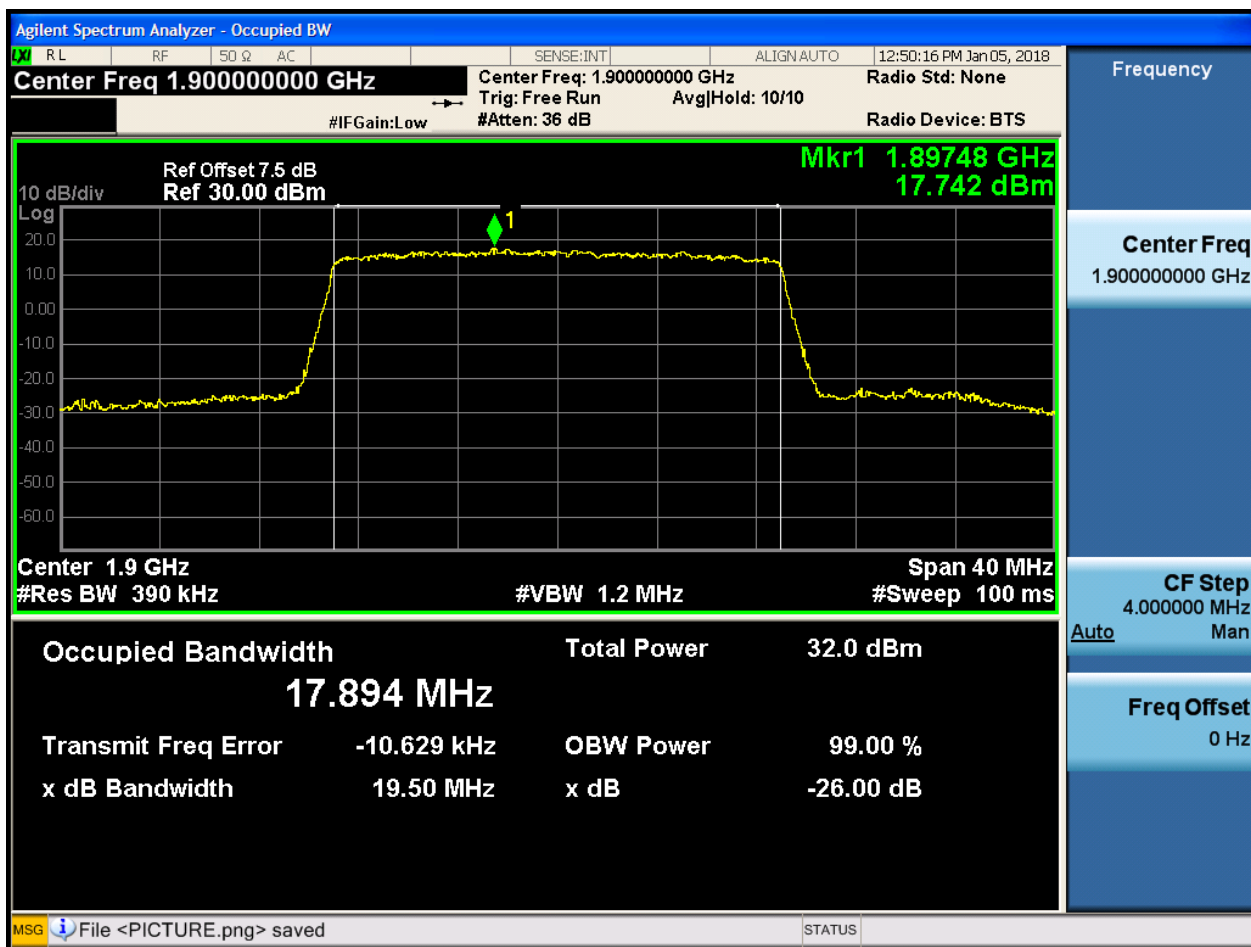
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



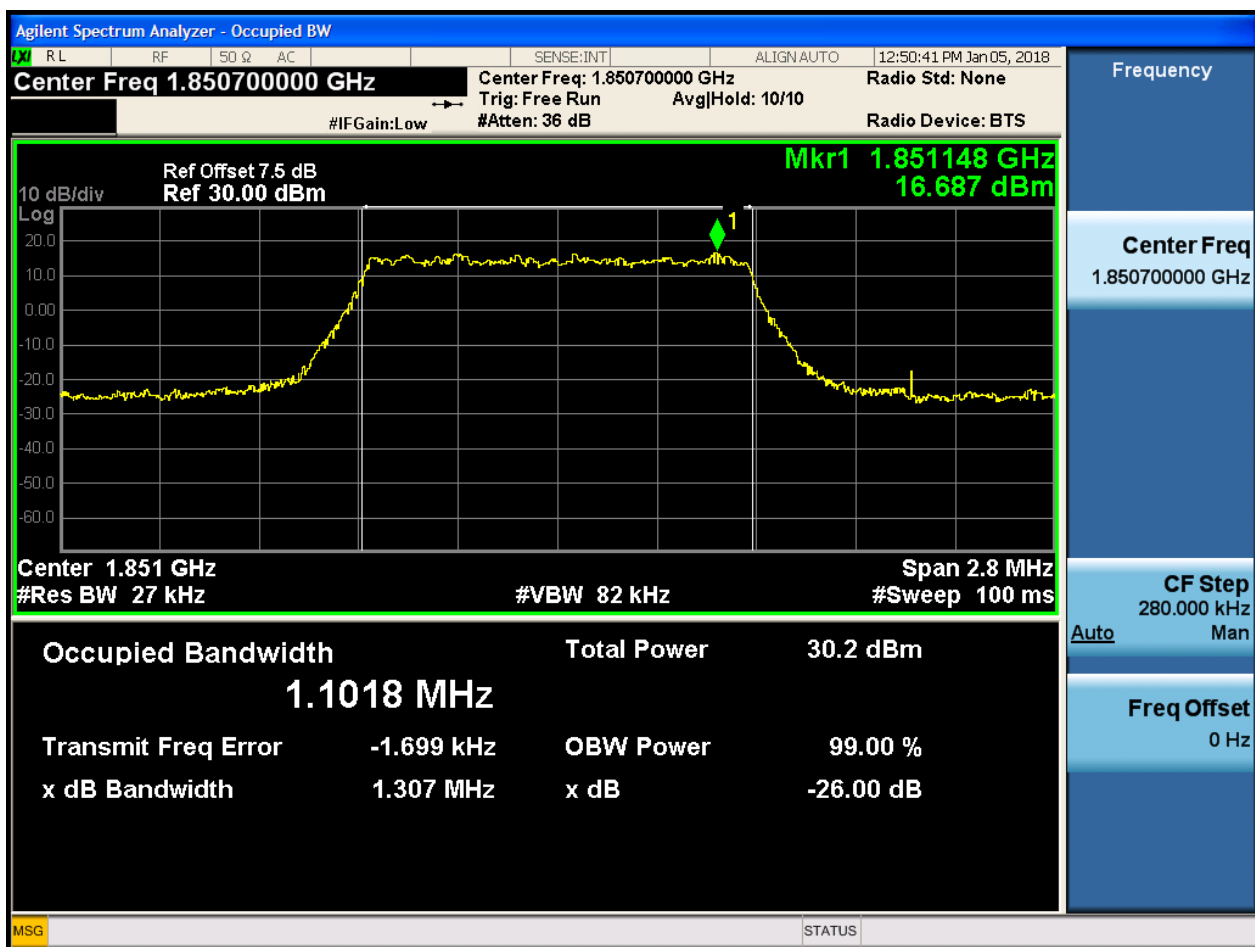


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

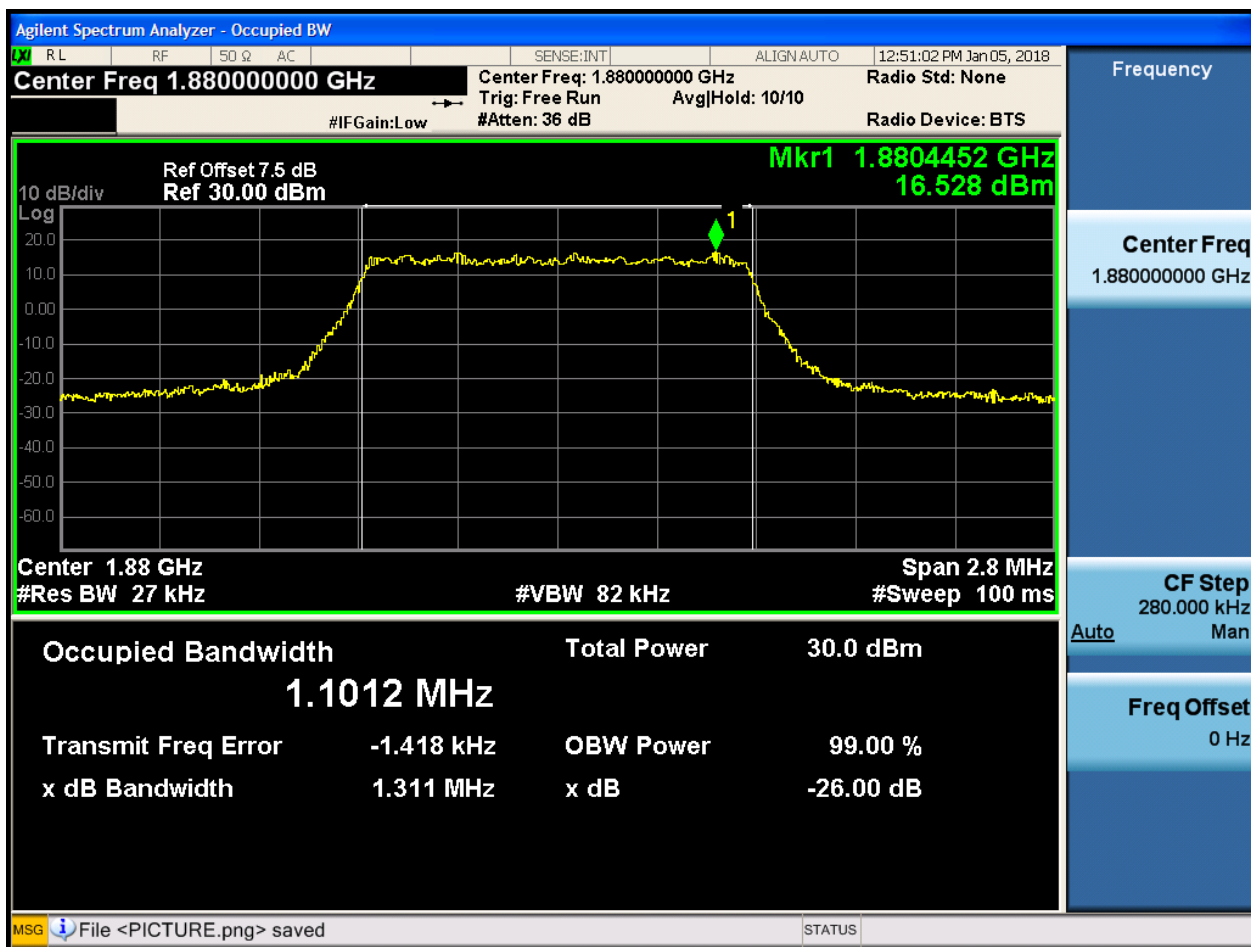
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

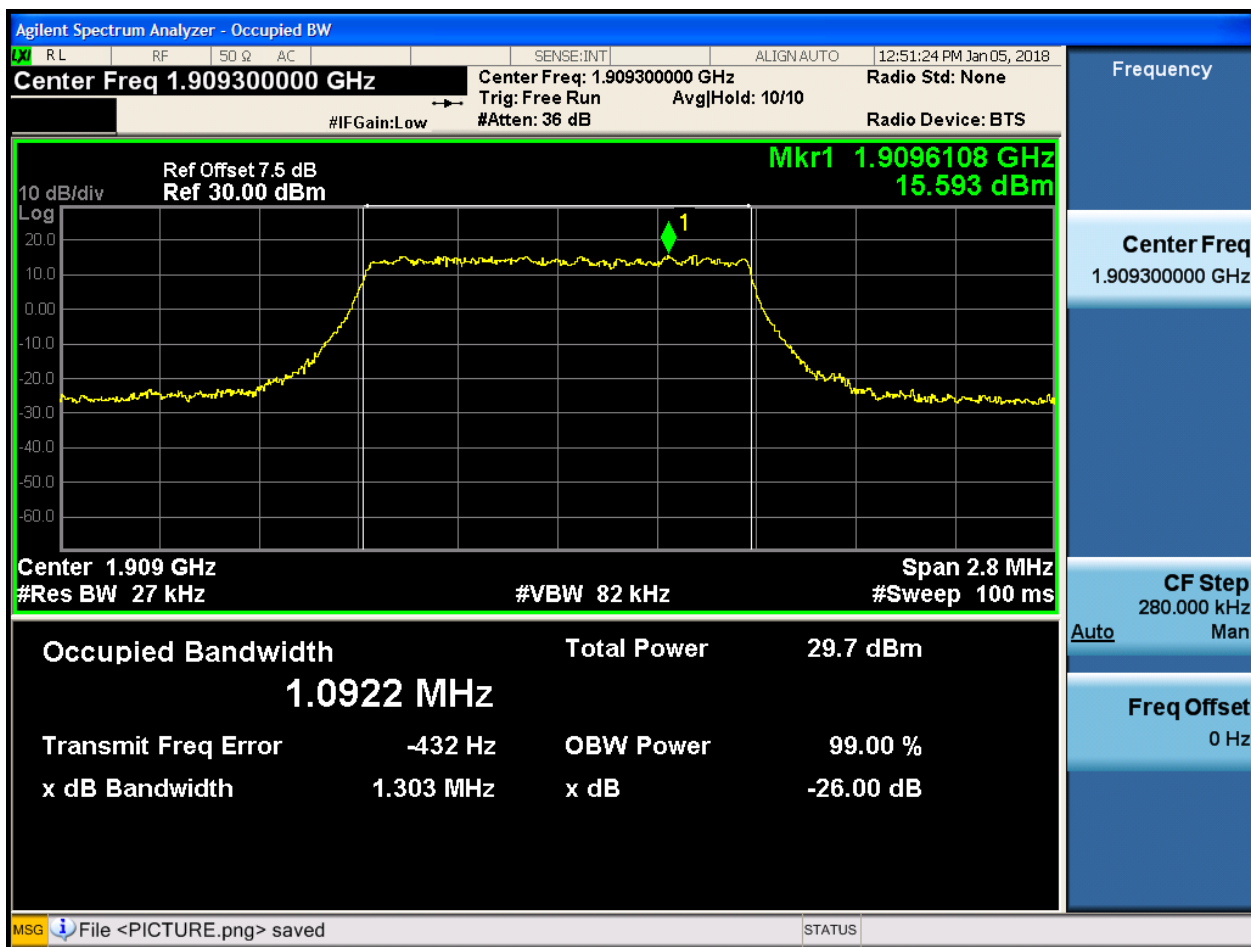
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

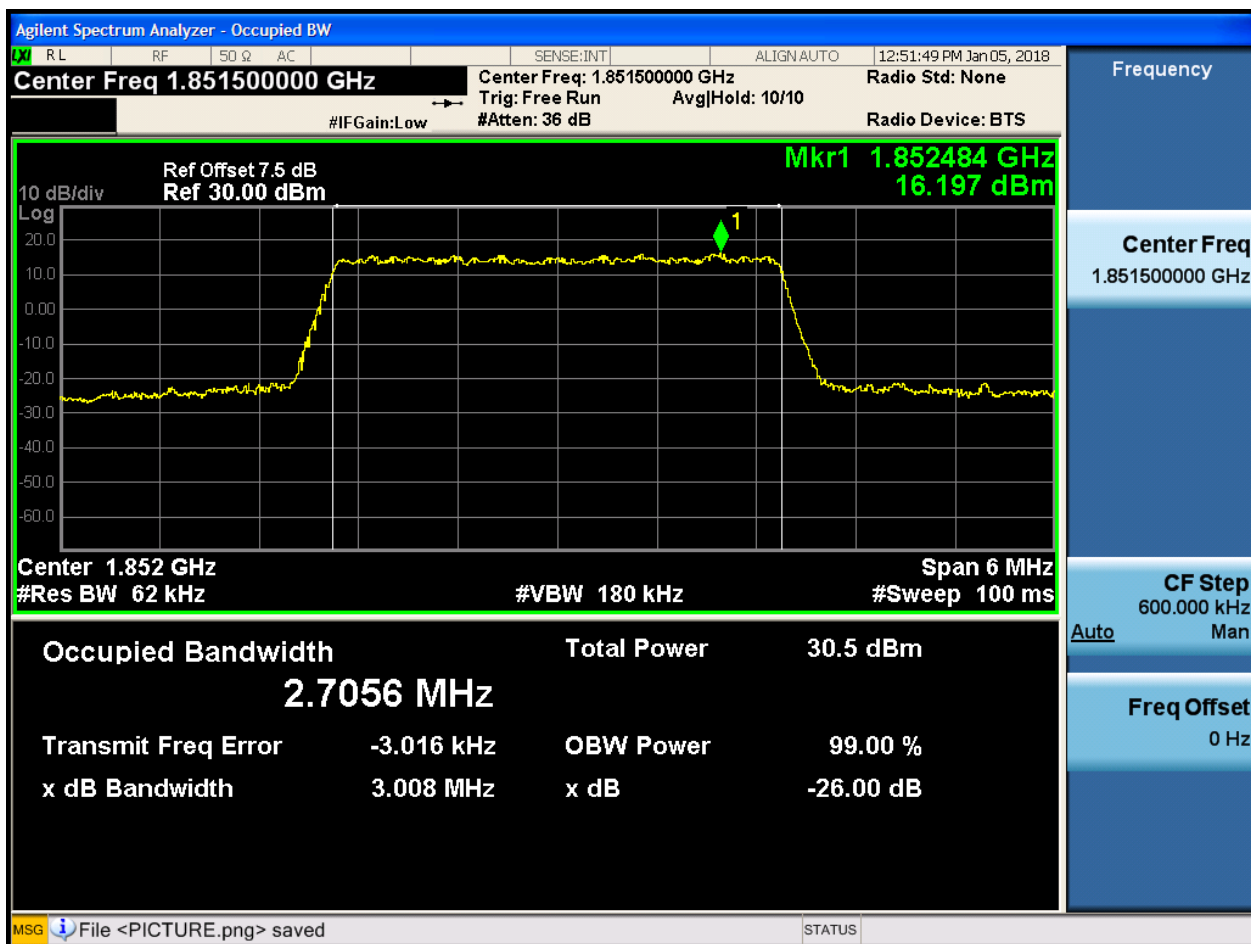




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

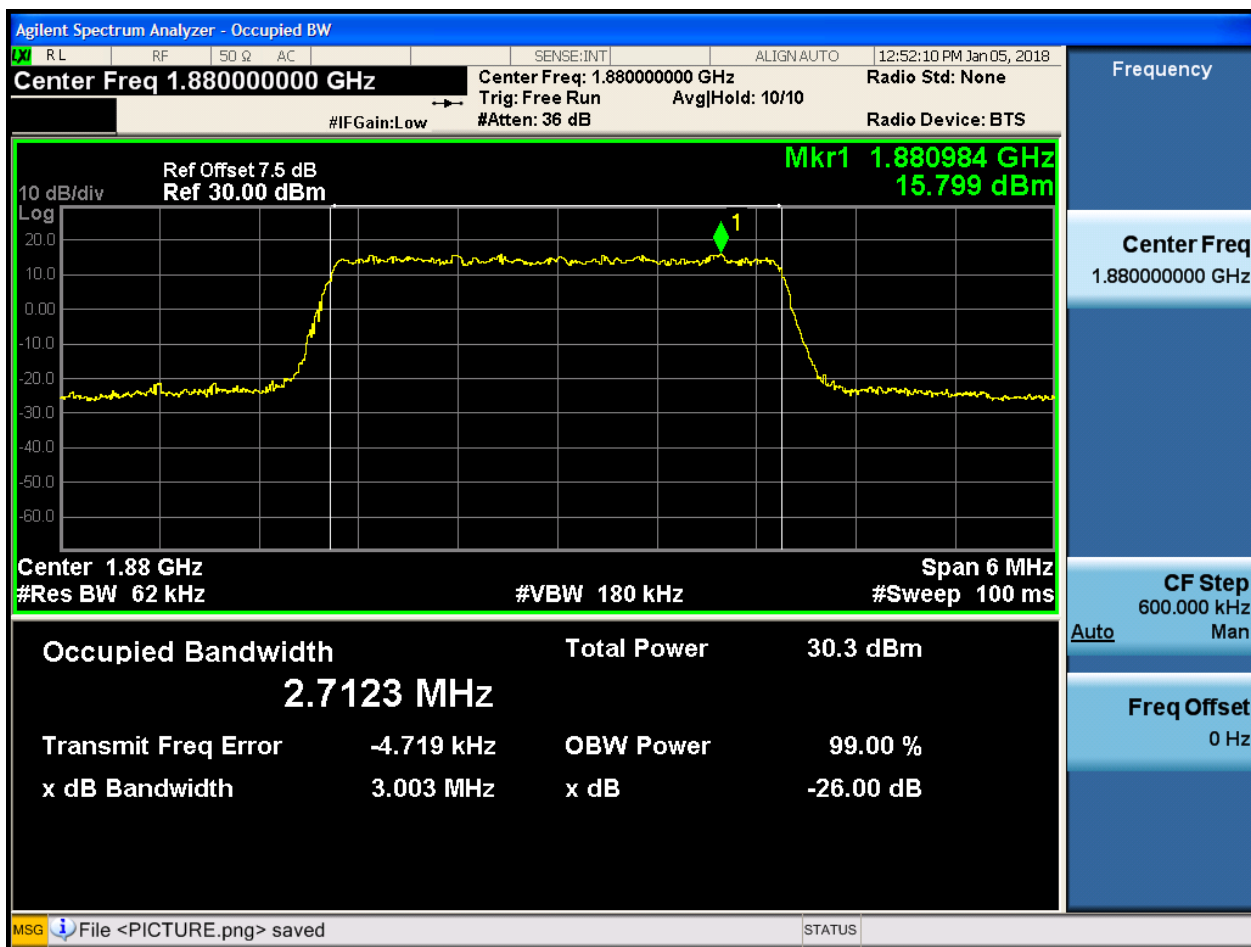
4.1.1.2.2.1.1 Test RB = RB15#0





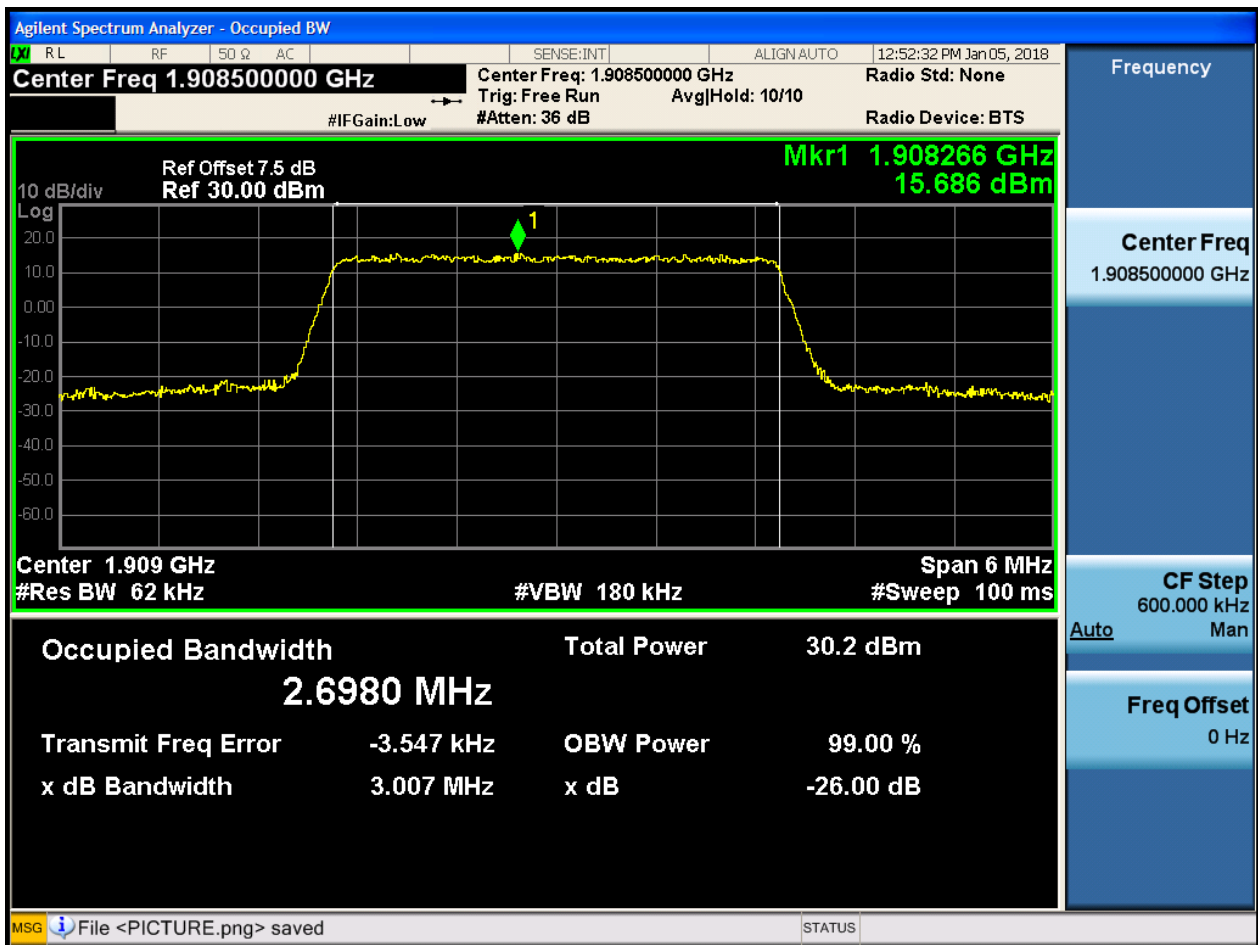
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3.1 Test RB = RB15#0

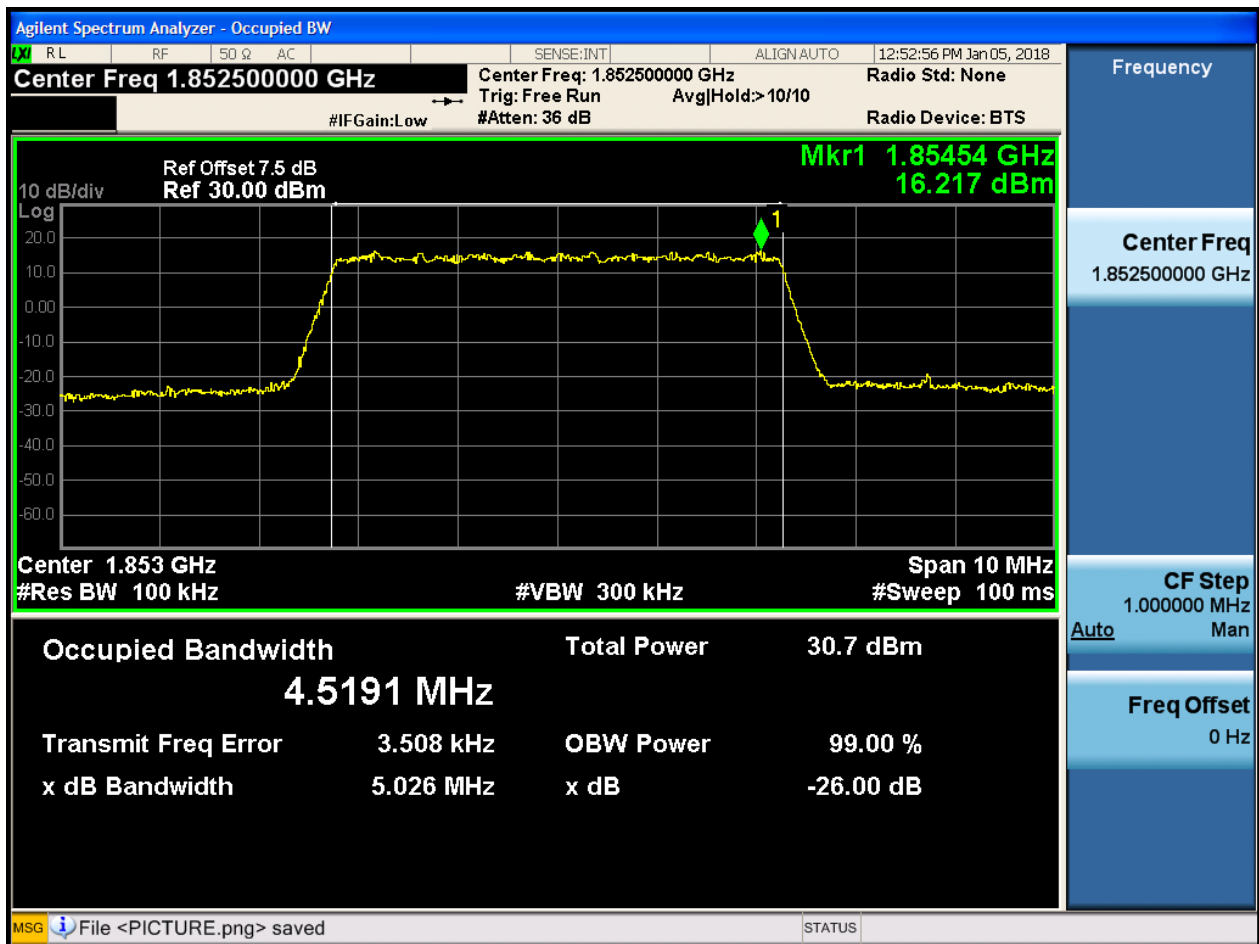




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

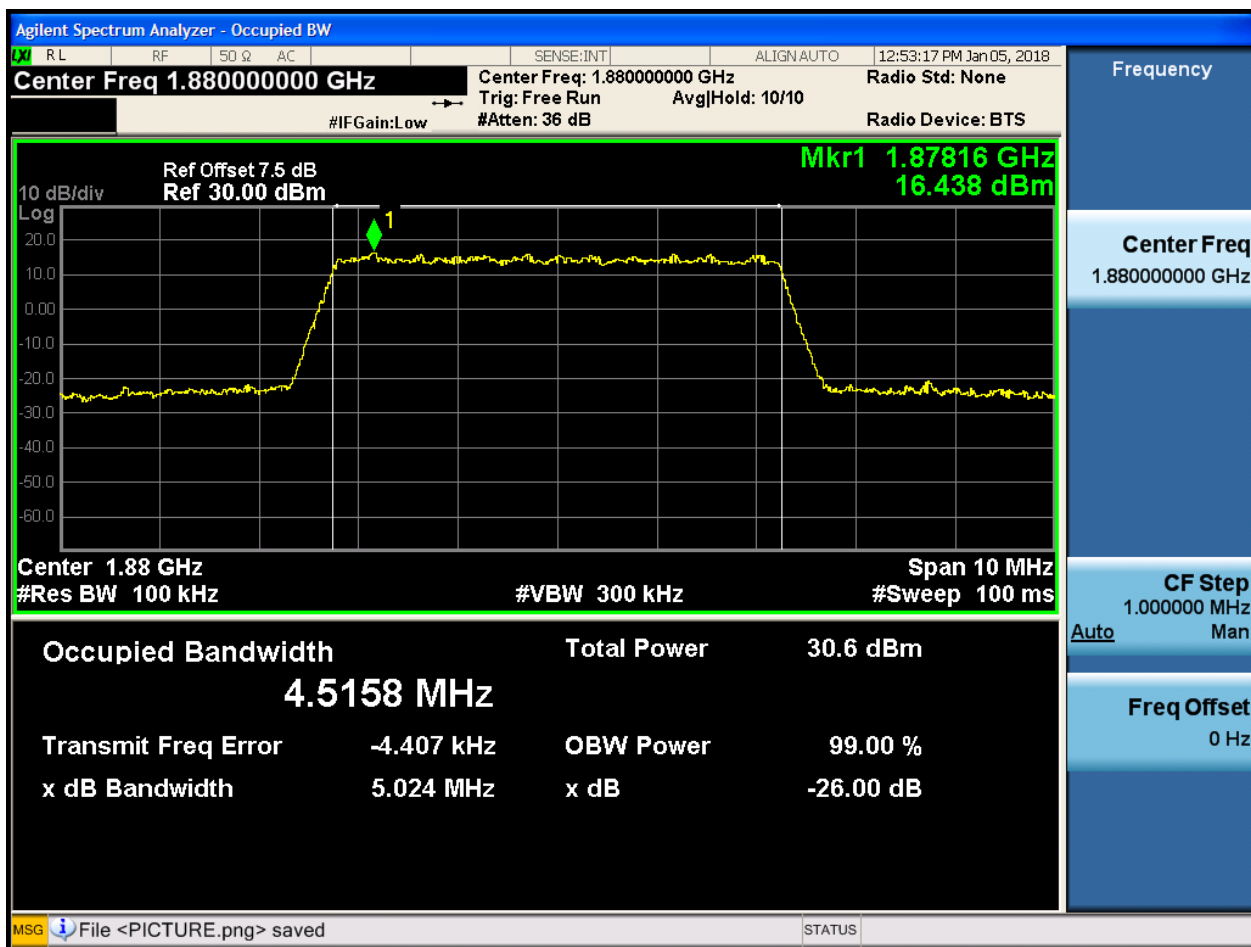
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

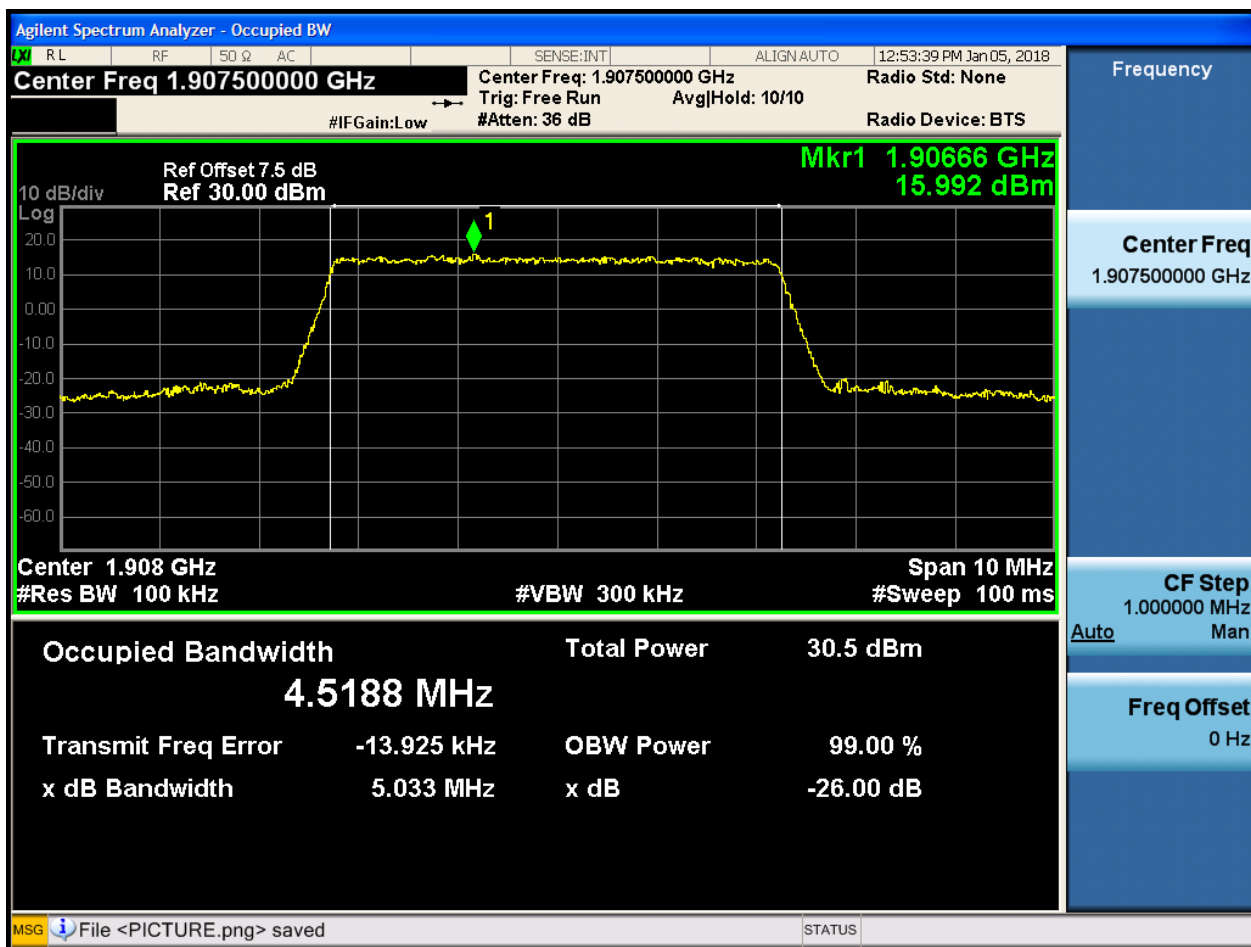
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

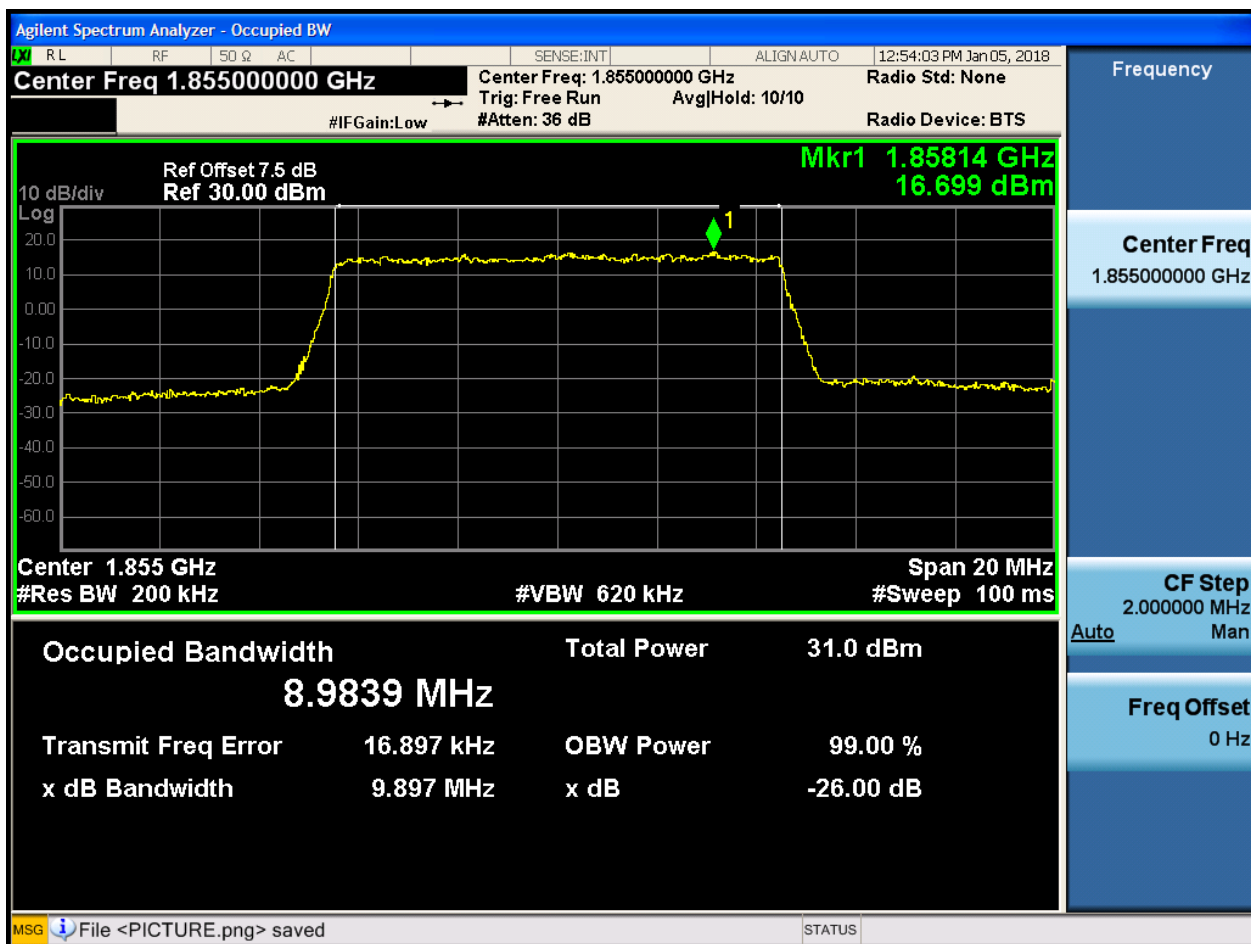




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

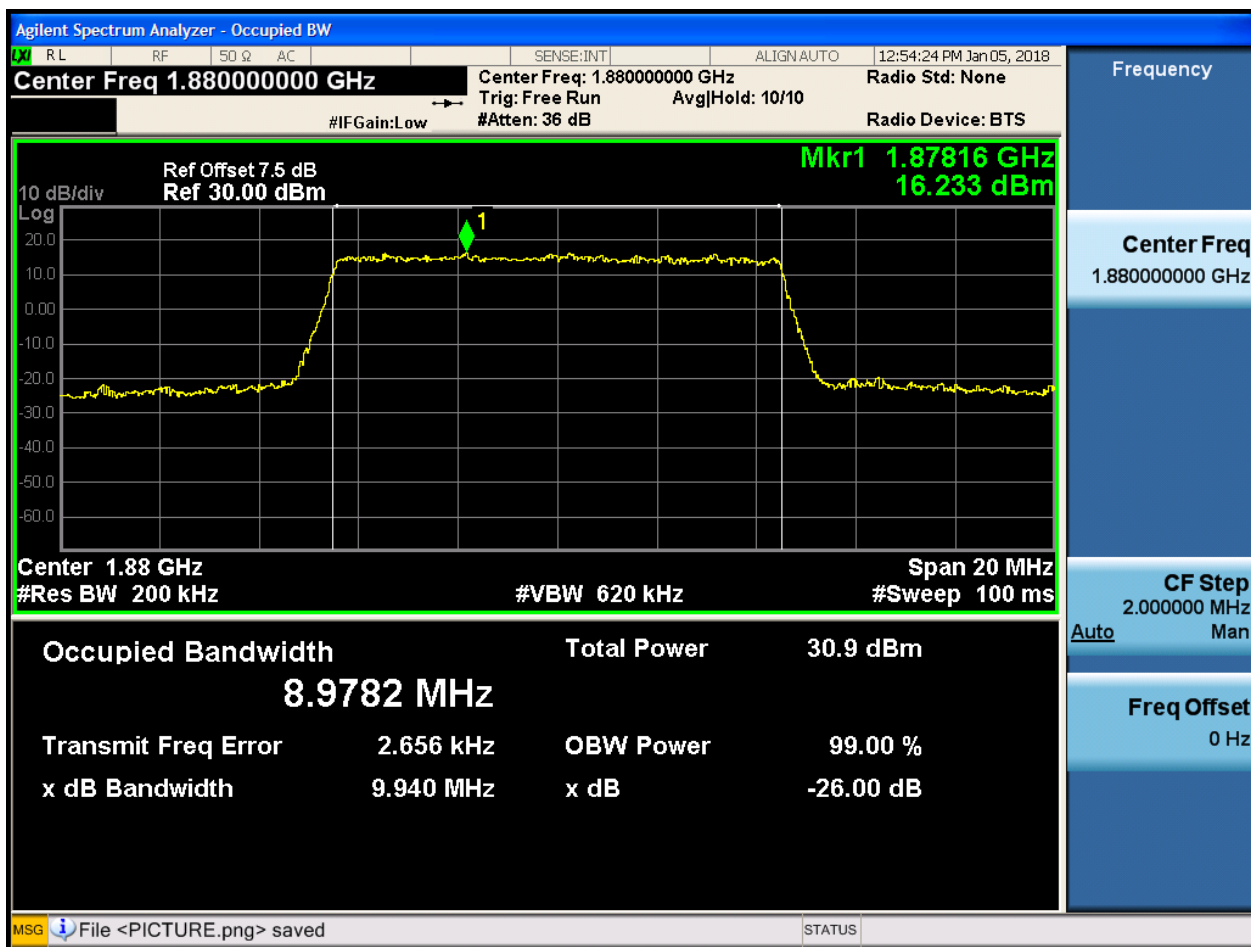
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

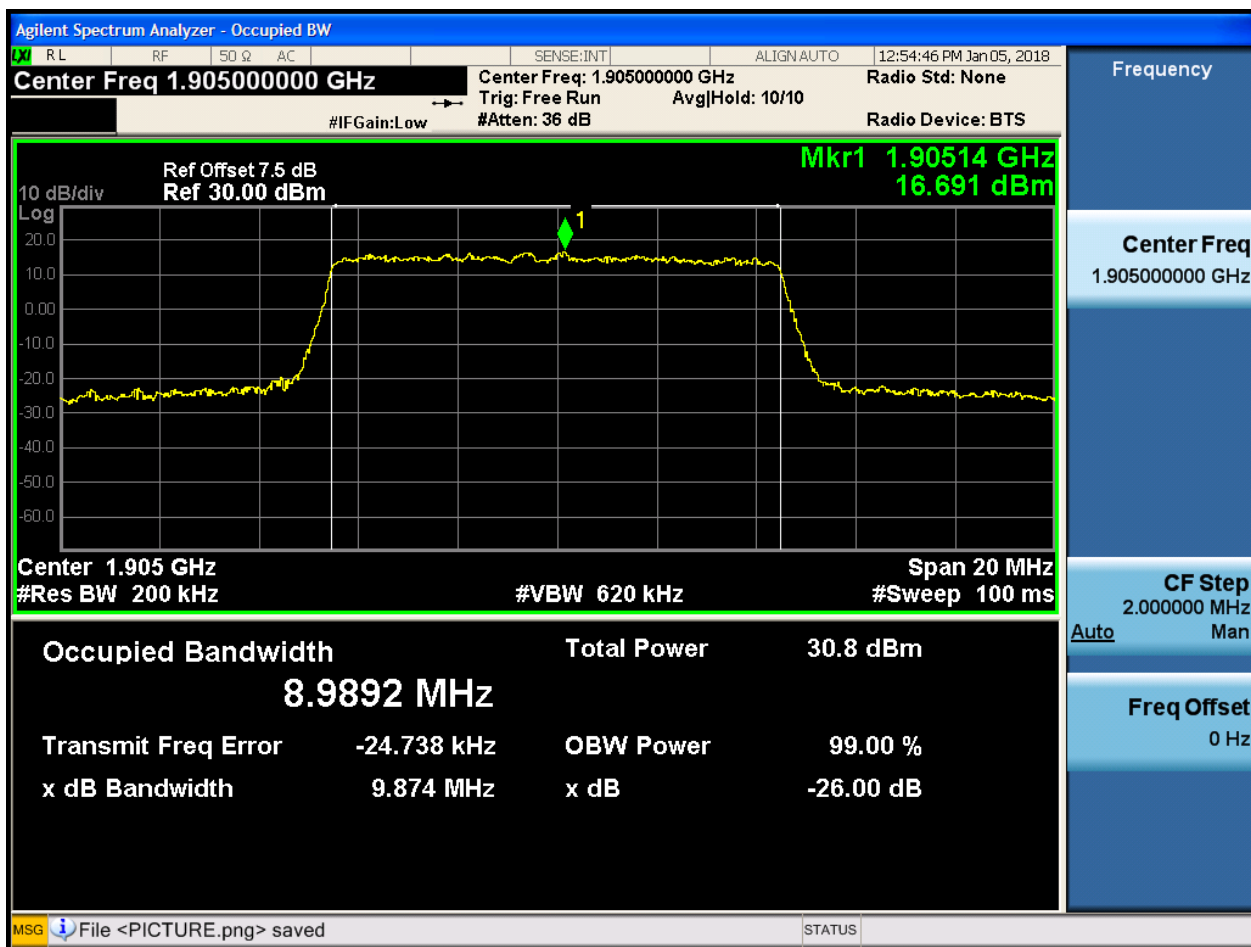
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

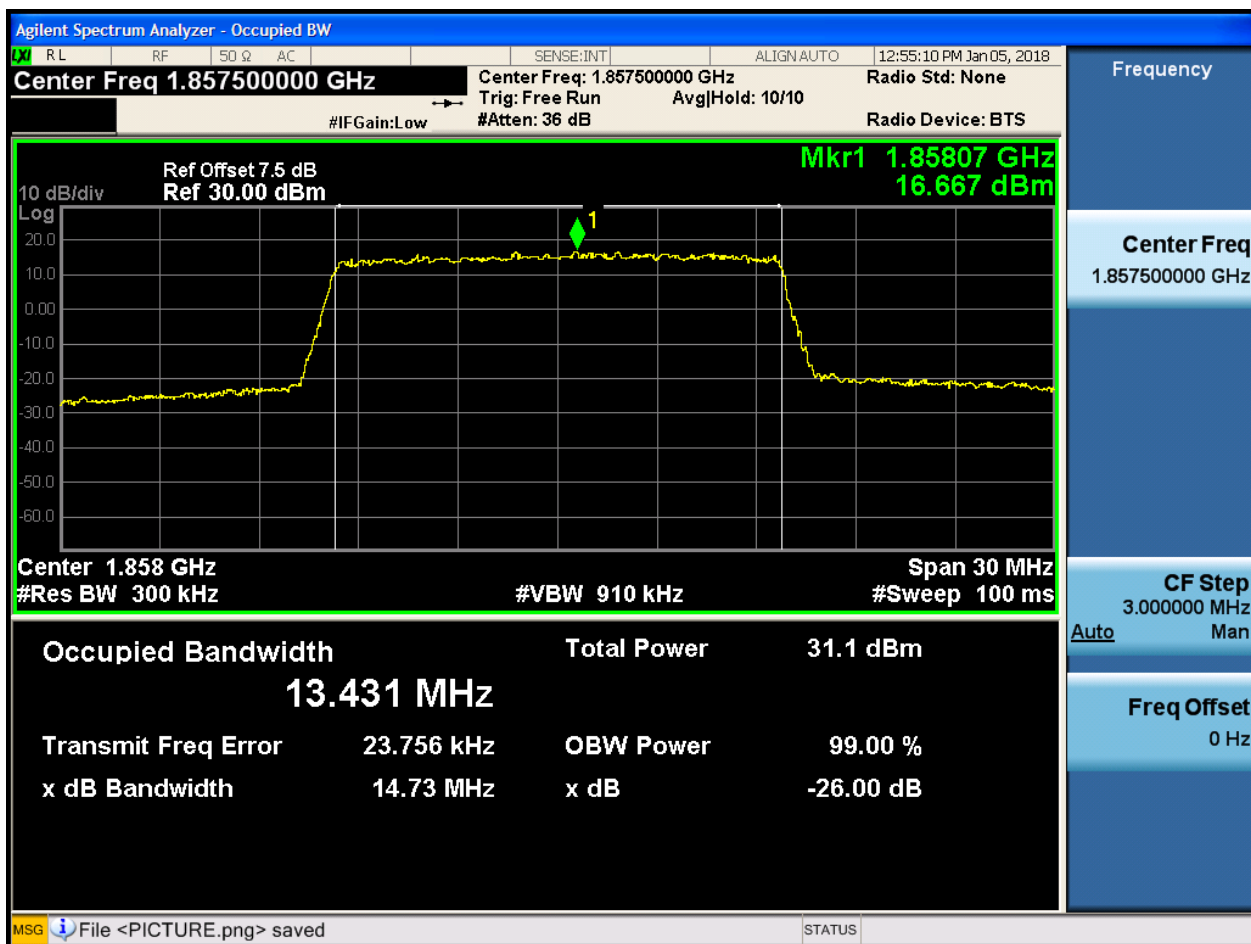




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

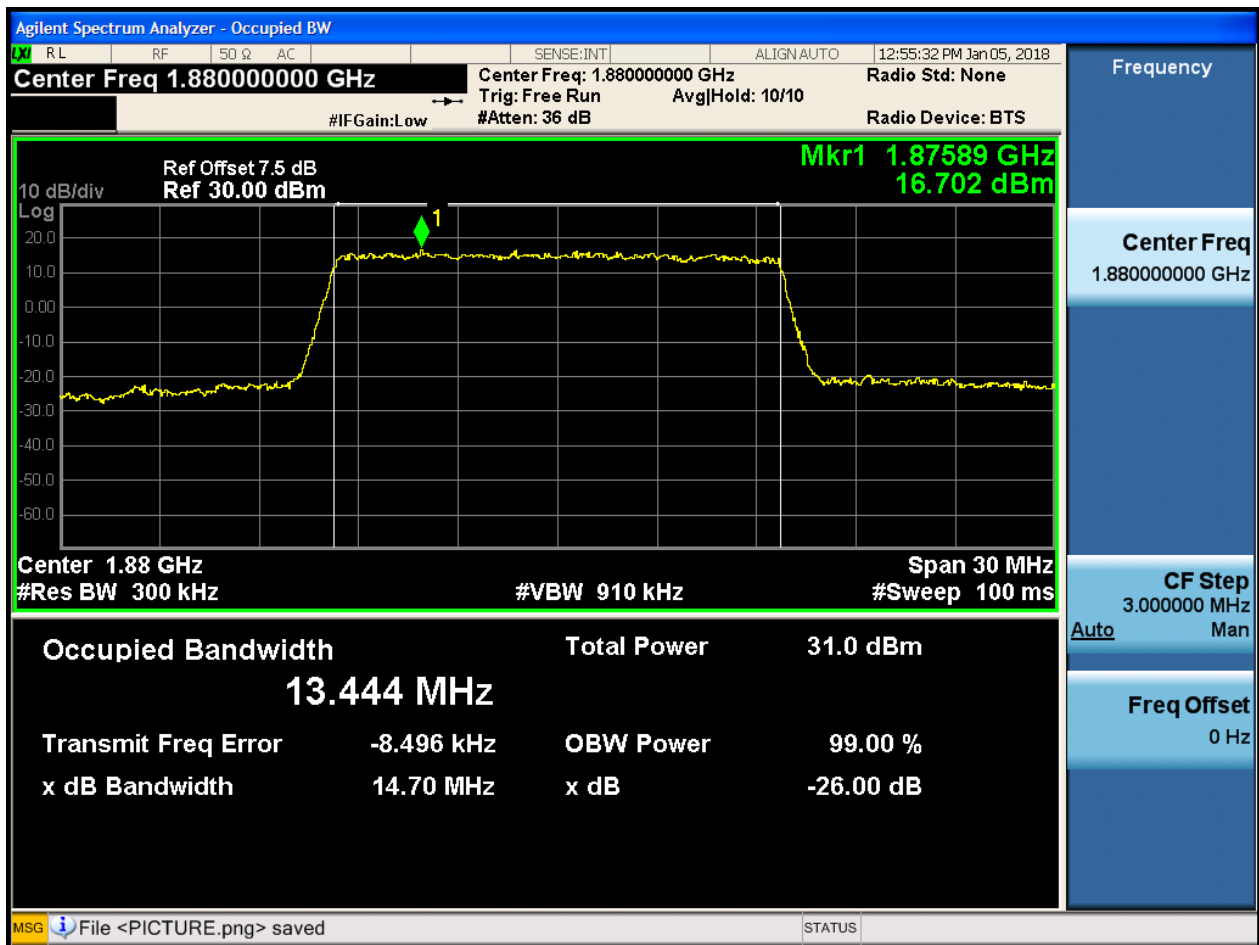
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

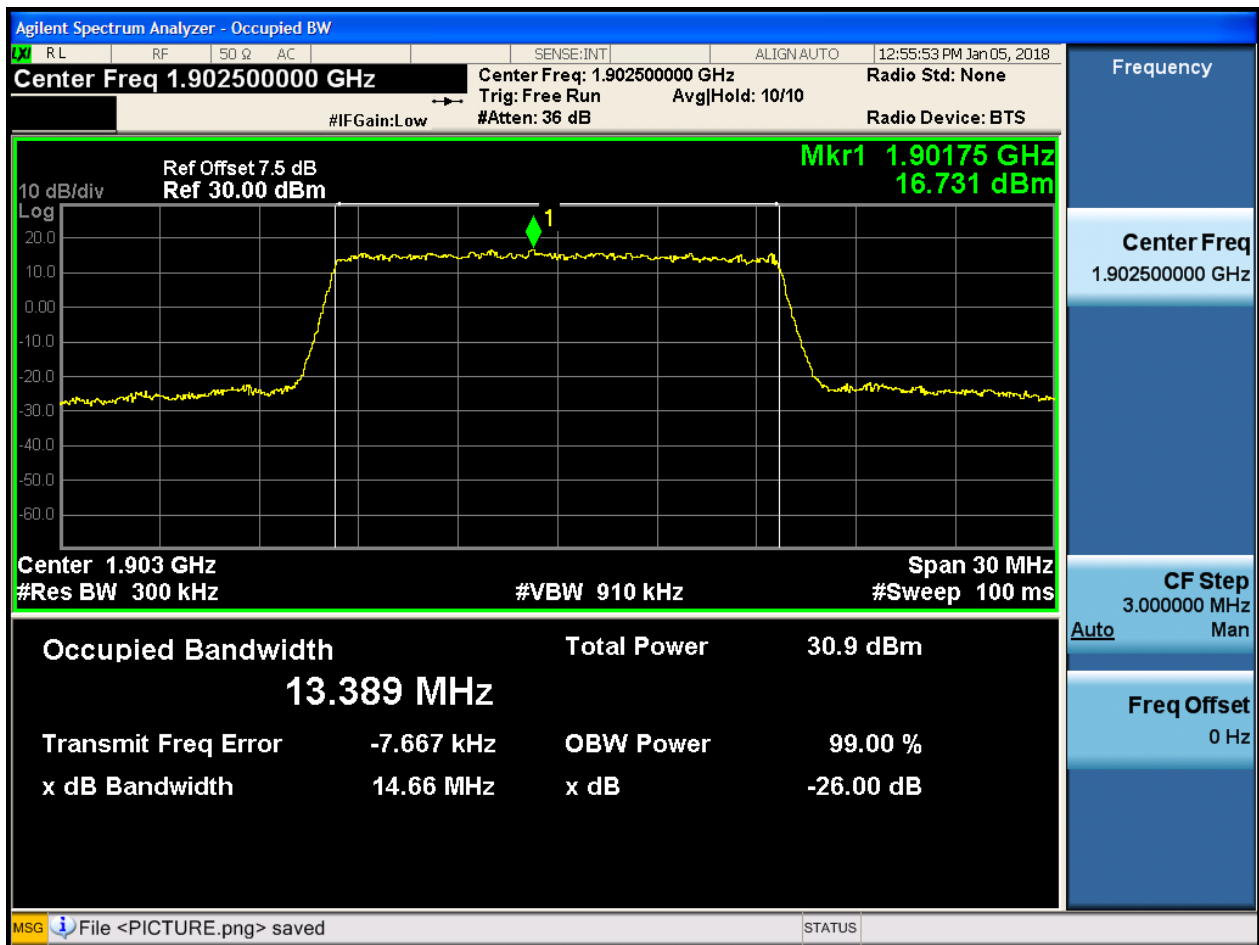
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

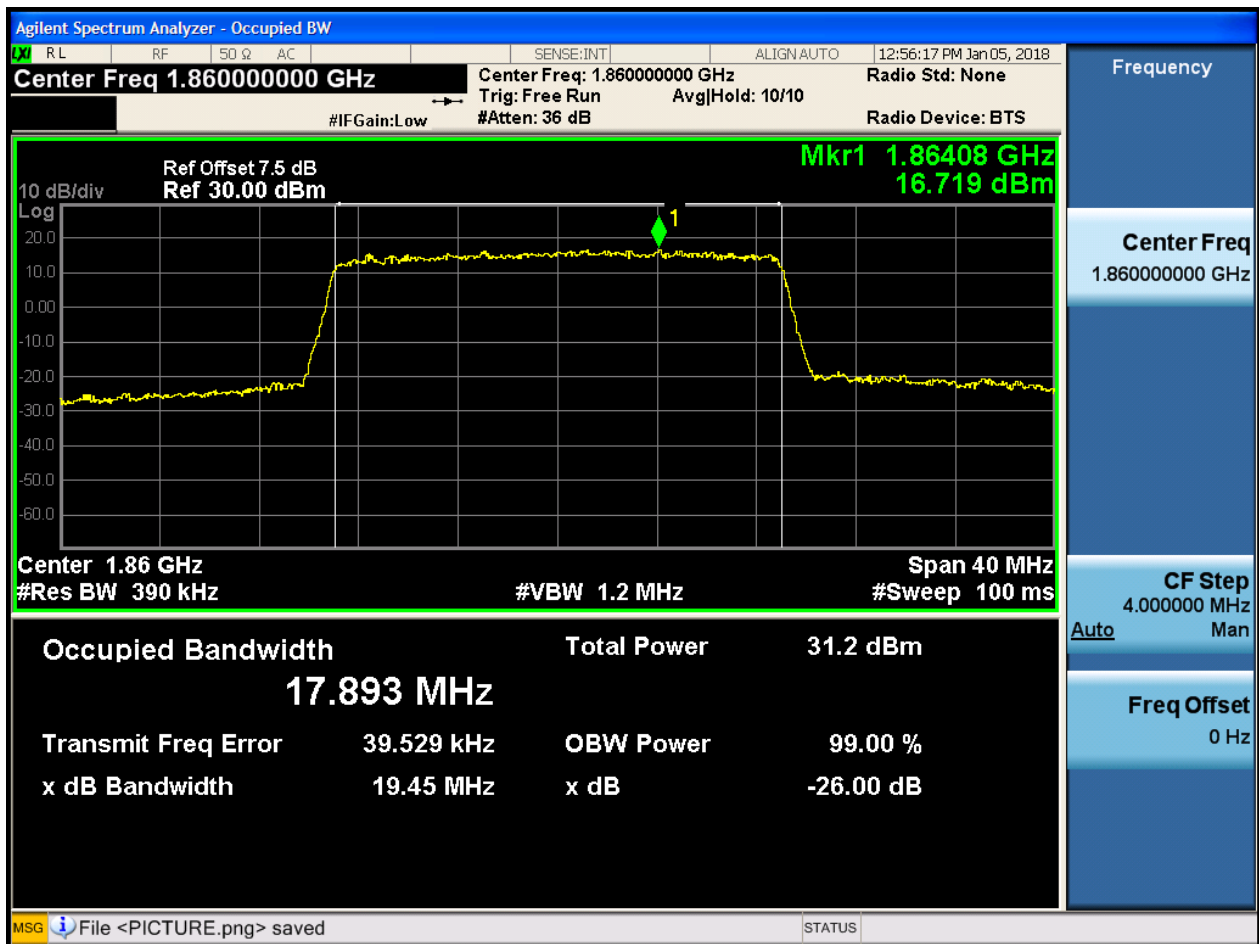




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

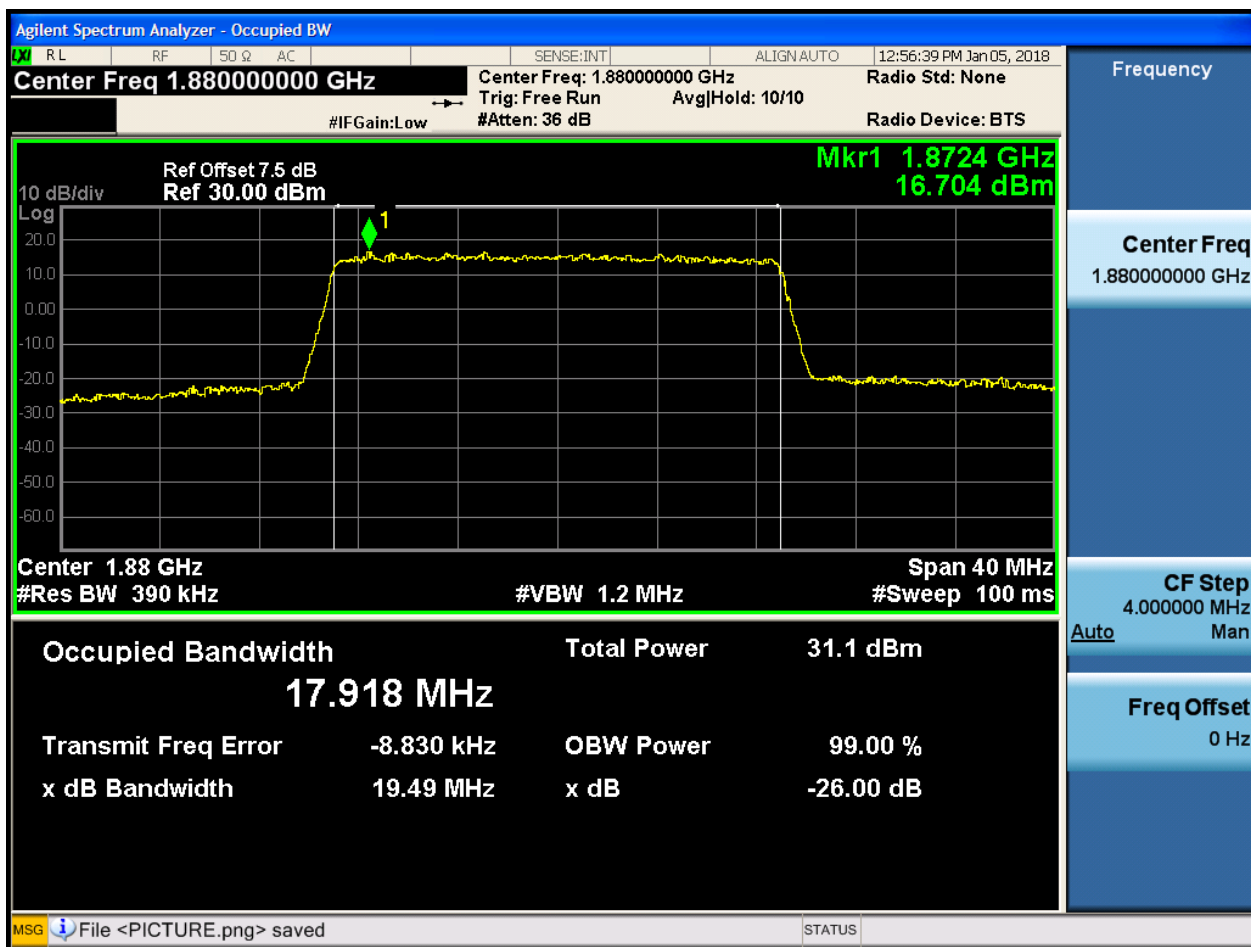
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

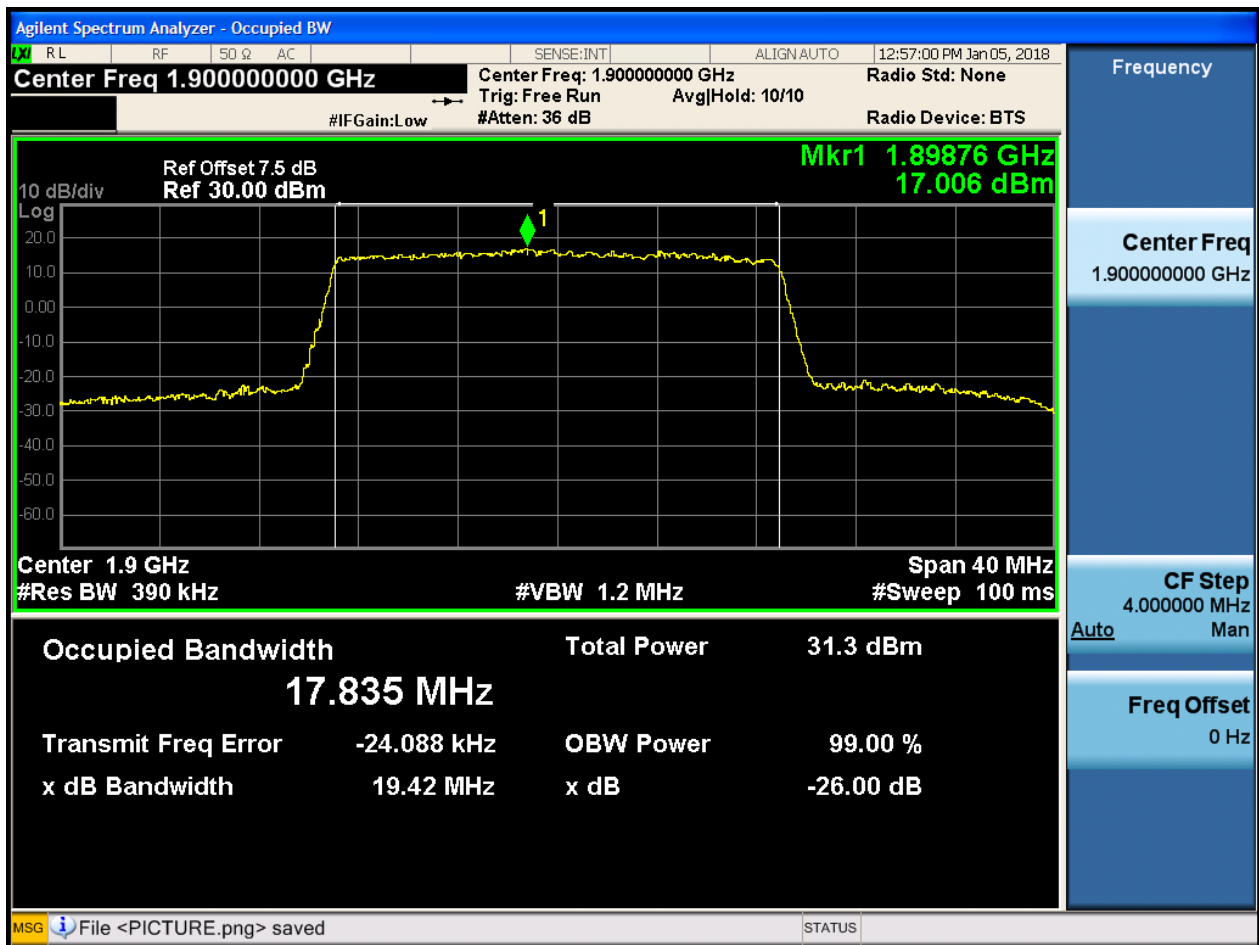
4.1.1.2.6.2.1 Test RB = RB100#0





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

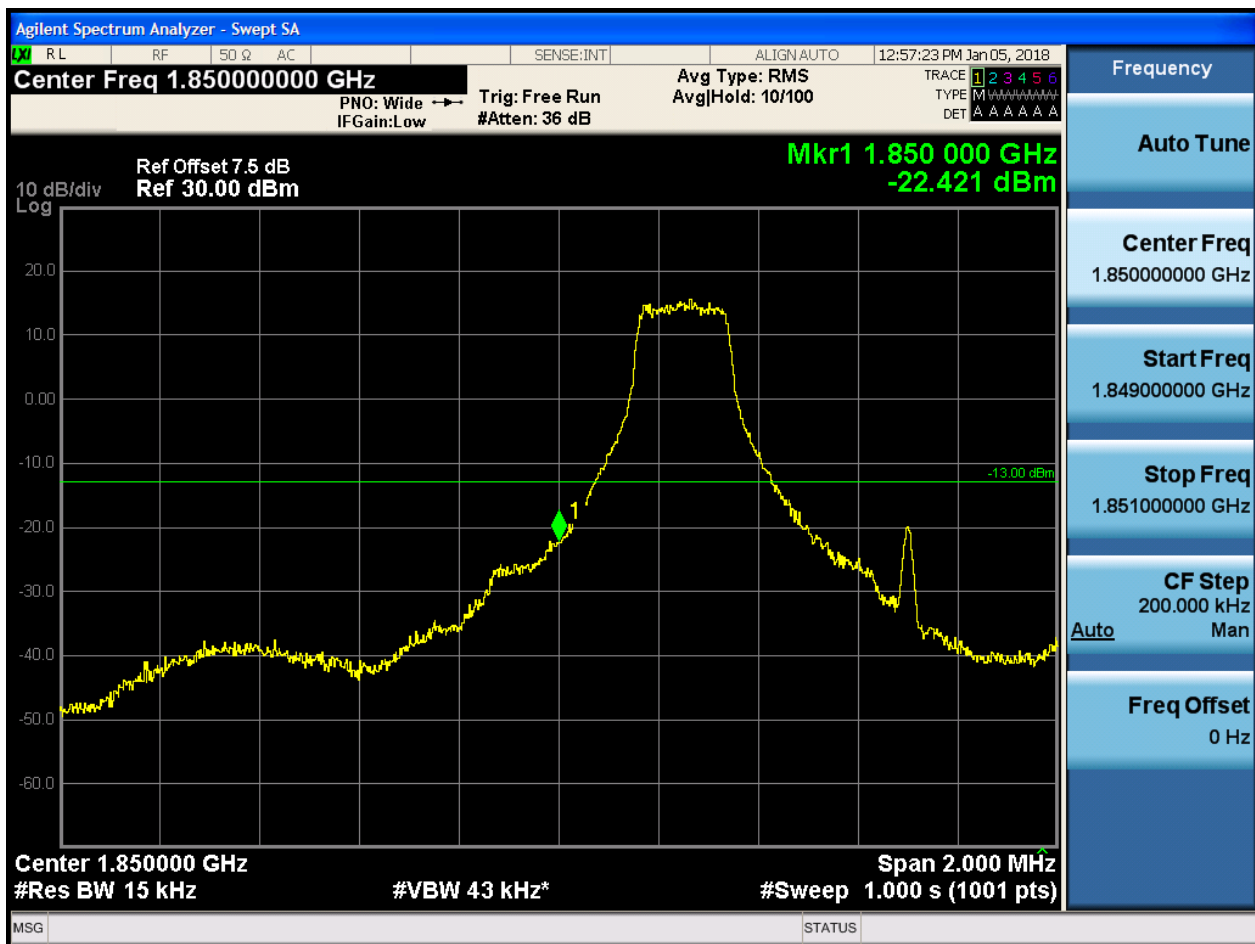
5.1.1 Test Band = BAND2

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:57:39 PM Jan 05, 2018

Center Freq 1.850000000 GHz Avg Type: RMS
 PNO: Wide Trig: Free Run
 IFGain:Low #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 7.5 dB
 Ref 30.00 dBm

Mkr1 1.849 360 GHz
 -35.980 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

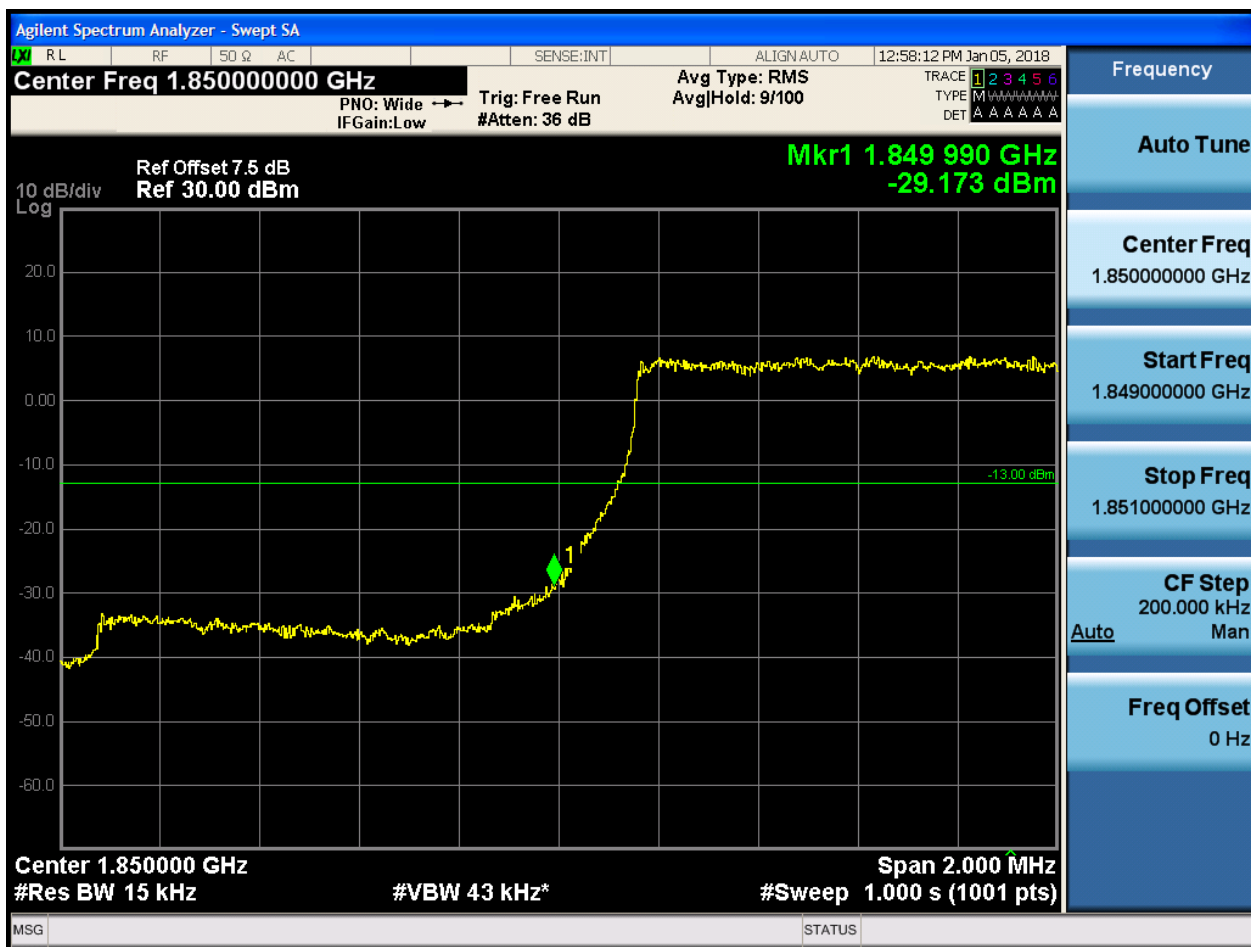


5.1.1.1.1.3 Test RB = RB3#2





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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 010 GHz
-22.613 dBm

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

Span 2.000 MHz
#Sweep 1.000 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
Auto
Man

Freq Offset
0 Hz

Frequency

Auto Tune

Center Freq
1.91000000 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 12:59:06 PM Jan 05, 2018

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 10/100
#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 7.5 dB
Ref 30.00 dBm

Mkr1 1.910 070 GHz
-23.513 dBm

10 dB/div
Log

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 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



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
-26.744 dBm

Center Freq 1.910000000 GHz

Start Freq 1.909000000 GHz

Stop Freq 1.911000000 GHz

CF Step 200.000 kHz
Auto

Freq Offset 0 Hz

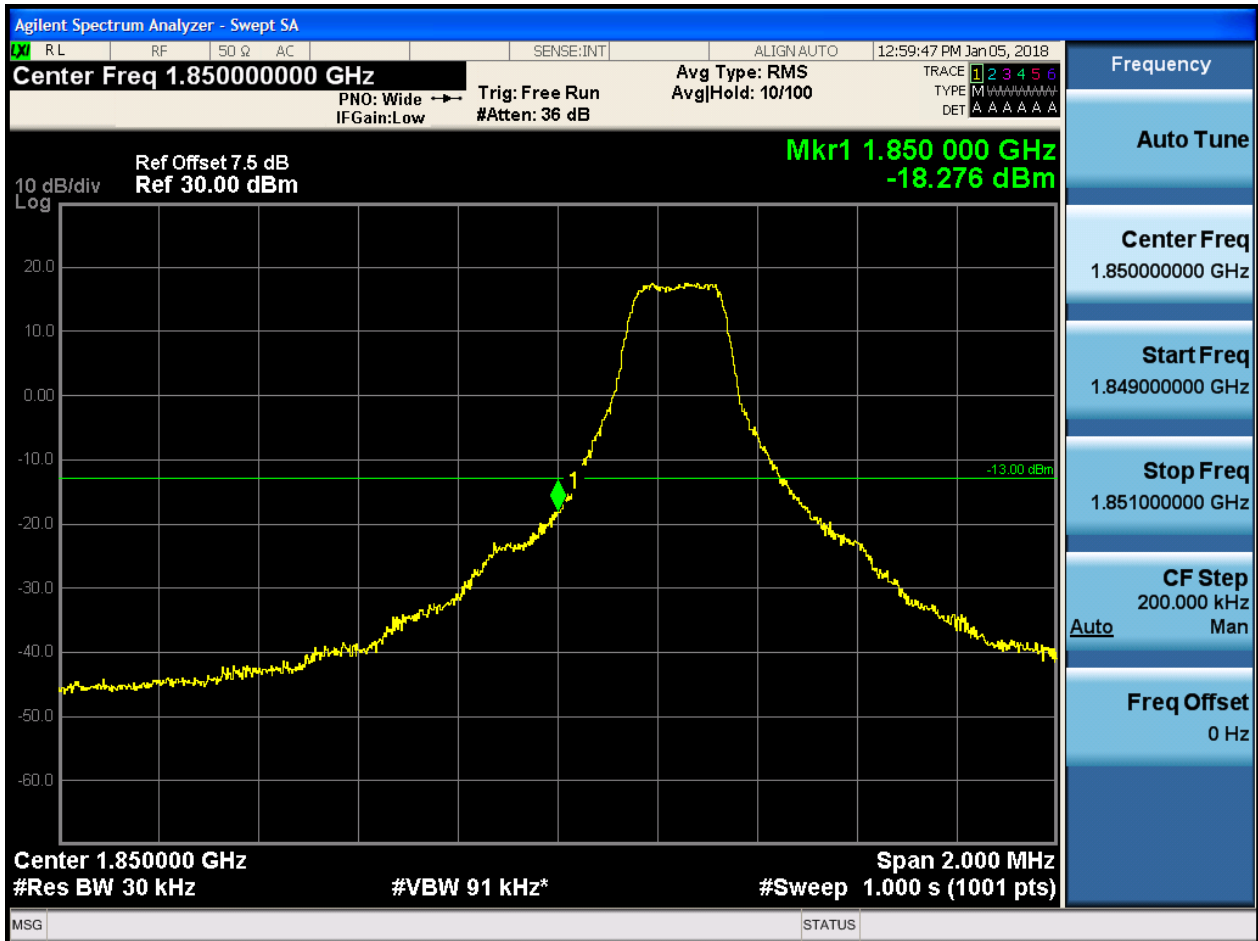
Center 1.910000 GHz
#Res BW 15 kHz

#VBW 43 kHz*

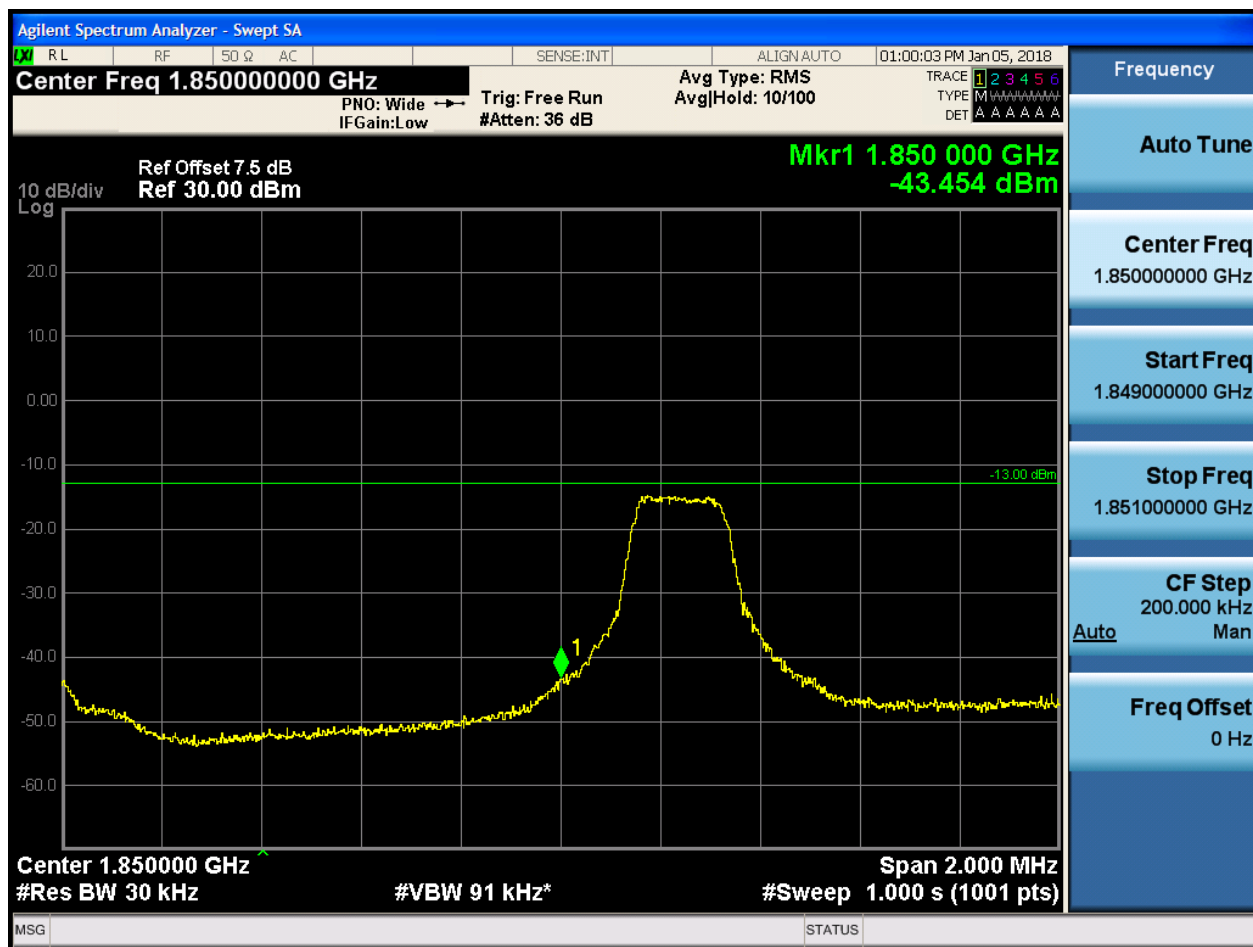
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)



5.1.1.1.2.1.1 Test RB = RB1#0



5.1.1.1.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:00:20 PM Jan 05, 2018

Center Freq 1.850000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 10/100
#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 7.5 dB
Ref 30.00 dBm

Mkr1 1.849 990 GHz
-32.746 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 30 kHz
#VBW 91 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

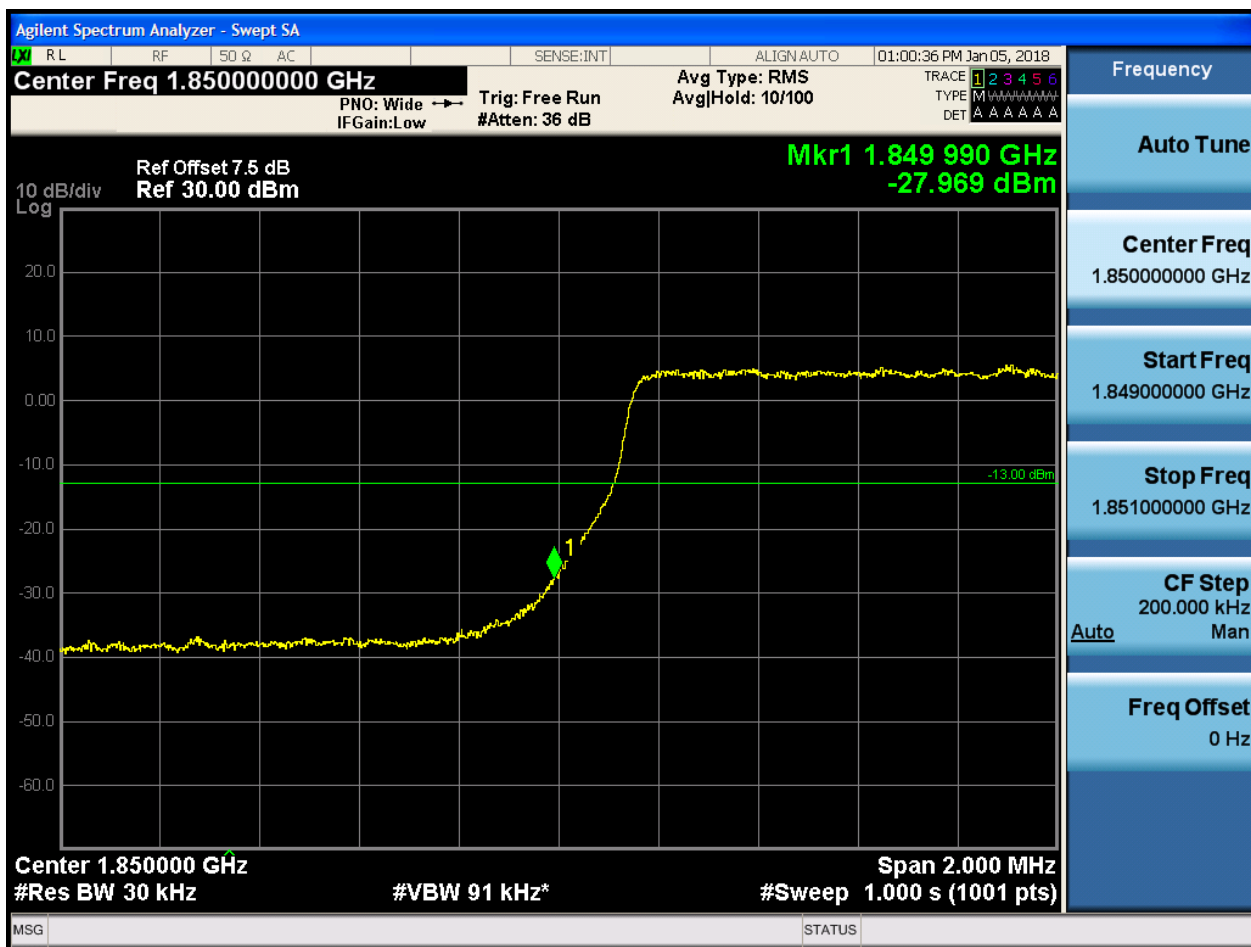
Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



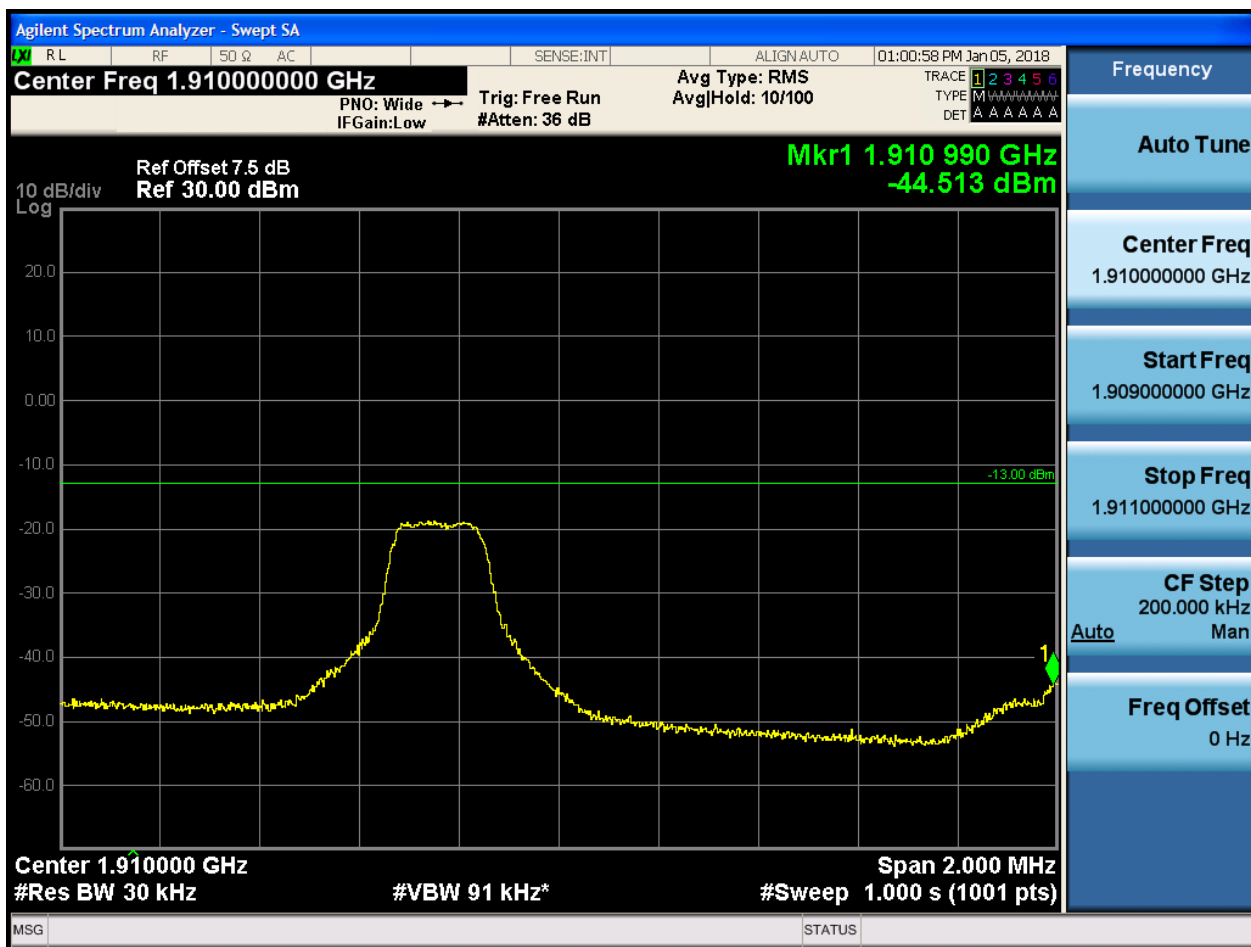
5.1.1.1.2.1.4 Test RB = RB15#0



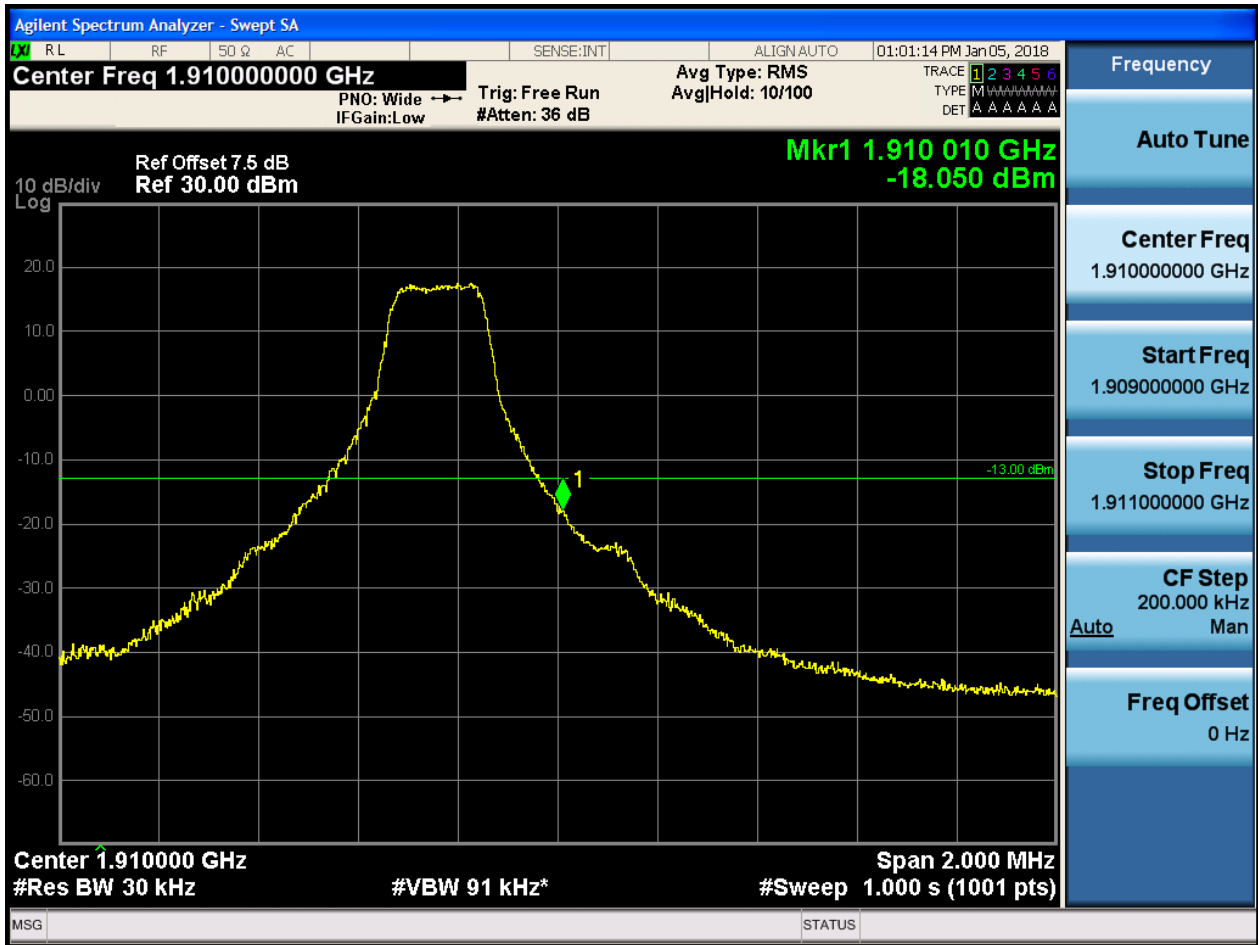


5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:01:31 PM Jan 05, 2018

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 10/100
IFGain:Low #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 7.5 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-30.901 dBm

10 dB/div
Log

-13.00 dBm

1

Center 1.910000 GHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 91 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



5.1.1.1.2.2.4 Test RB = RB15#0

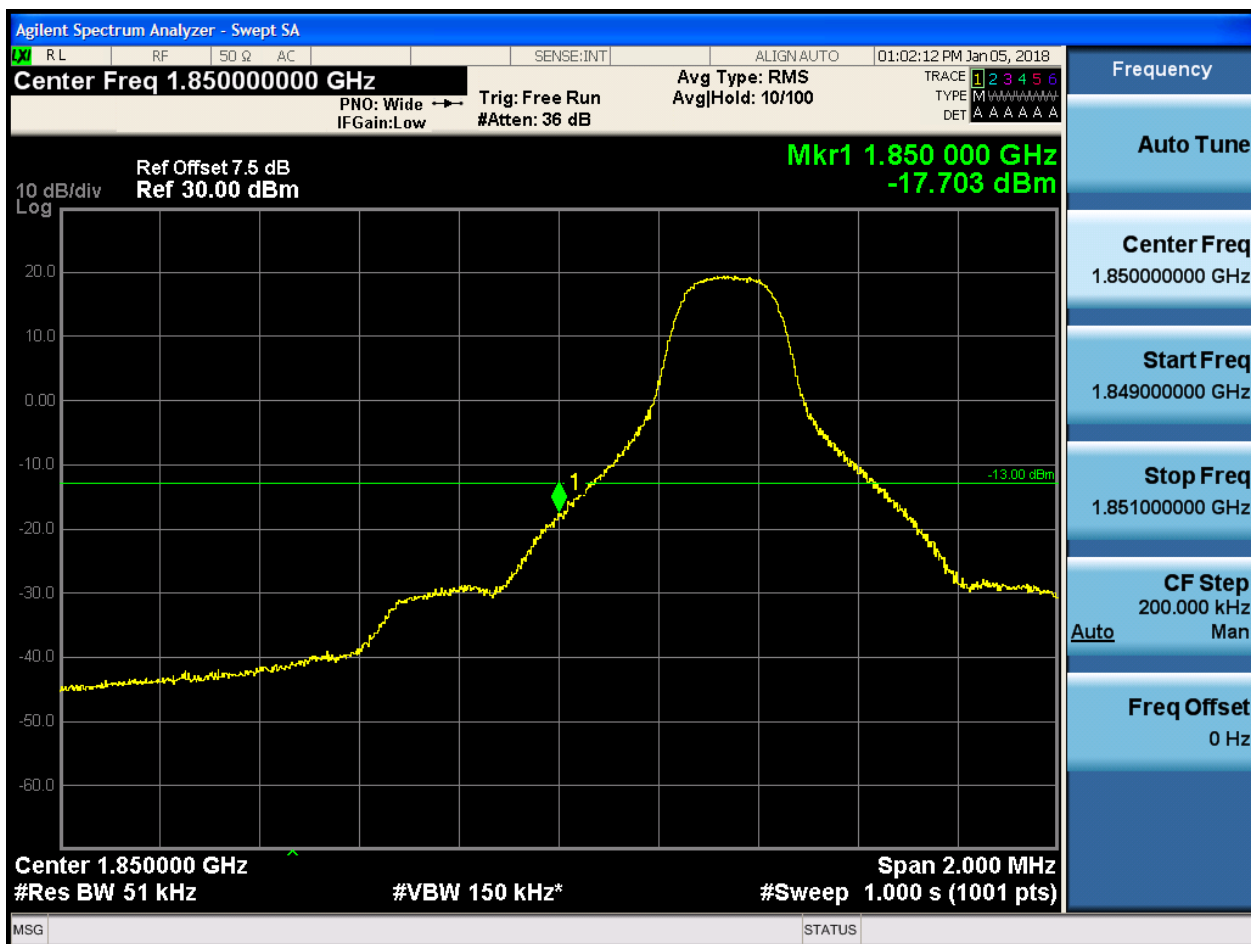




5.1.1.1.3 Test Bandwidth = 5

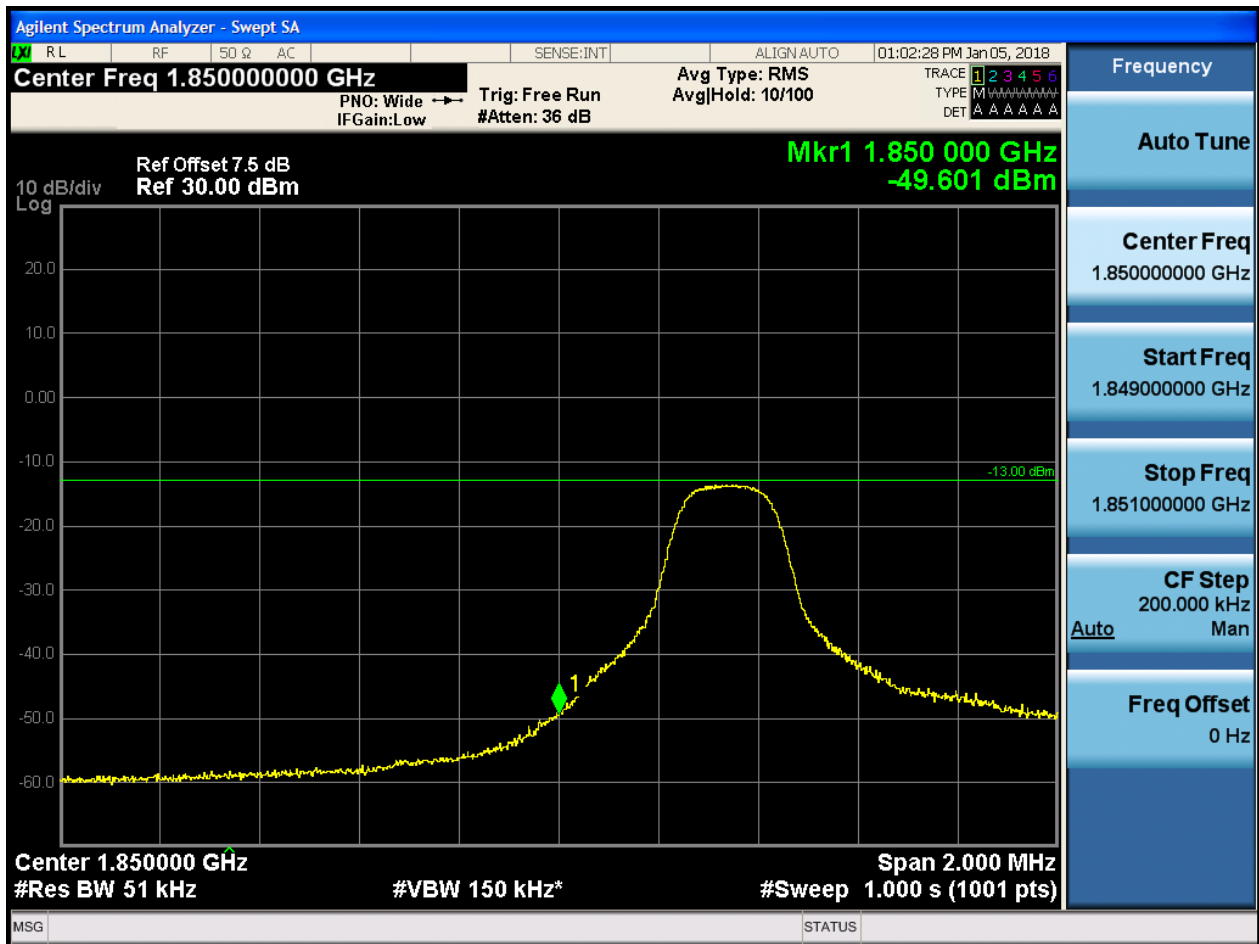
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



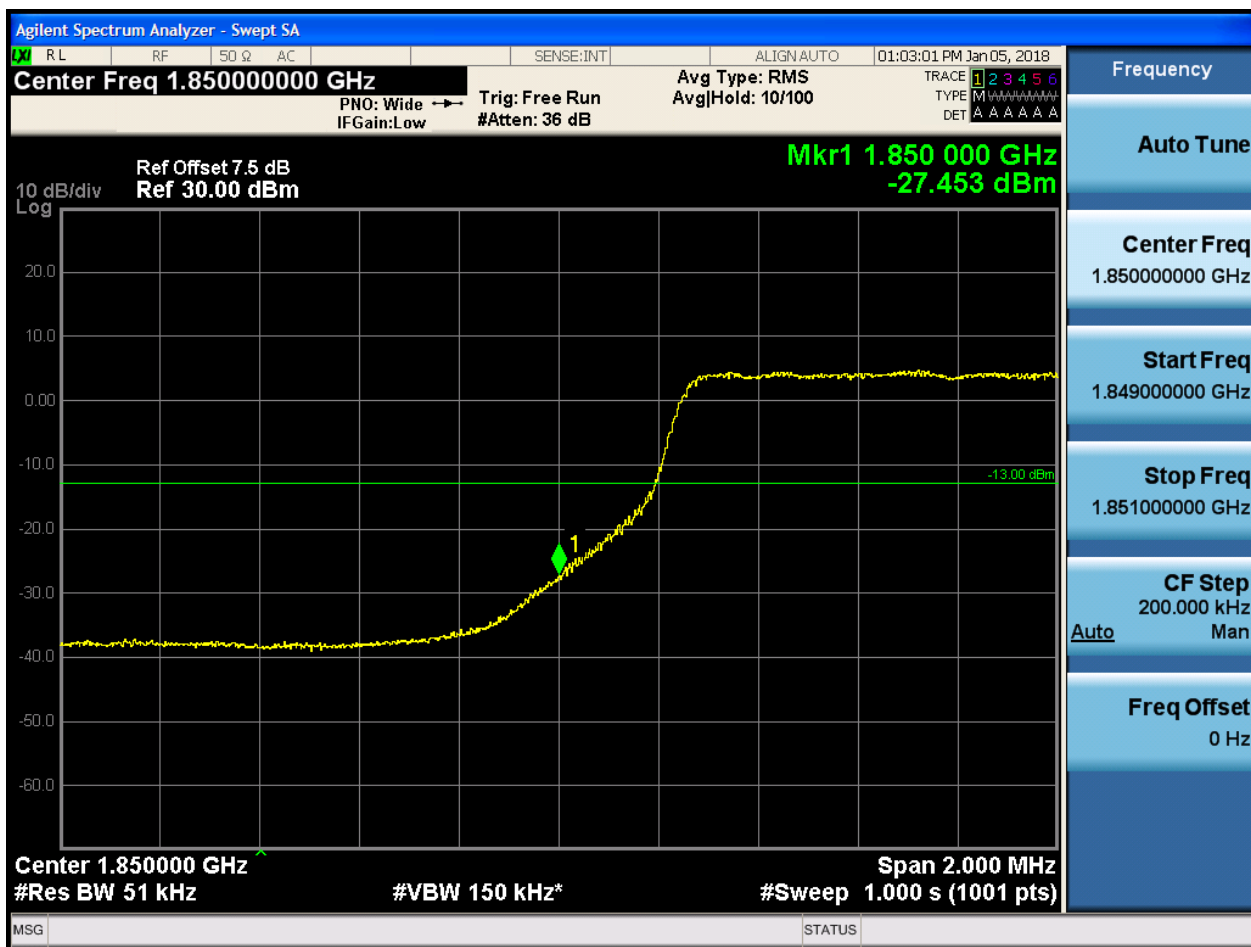


5.1.1.1.3.1.3 Test RB = RB12#6



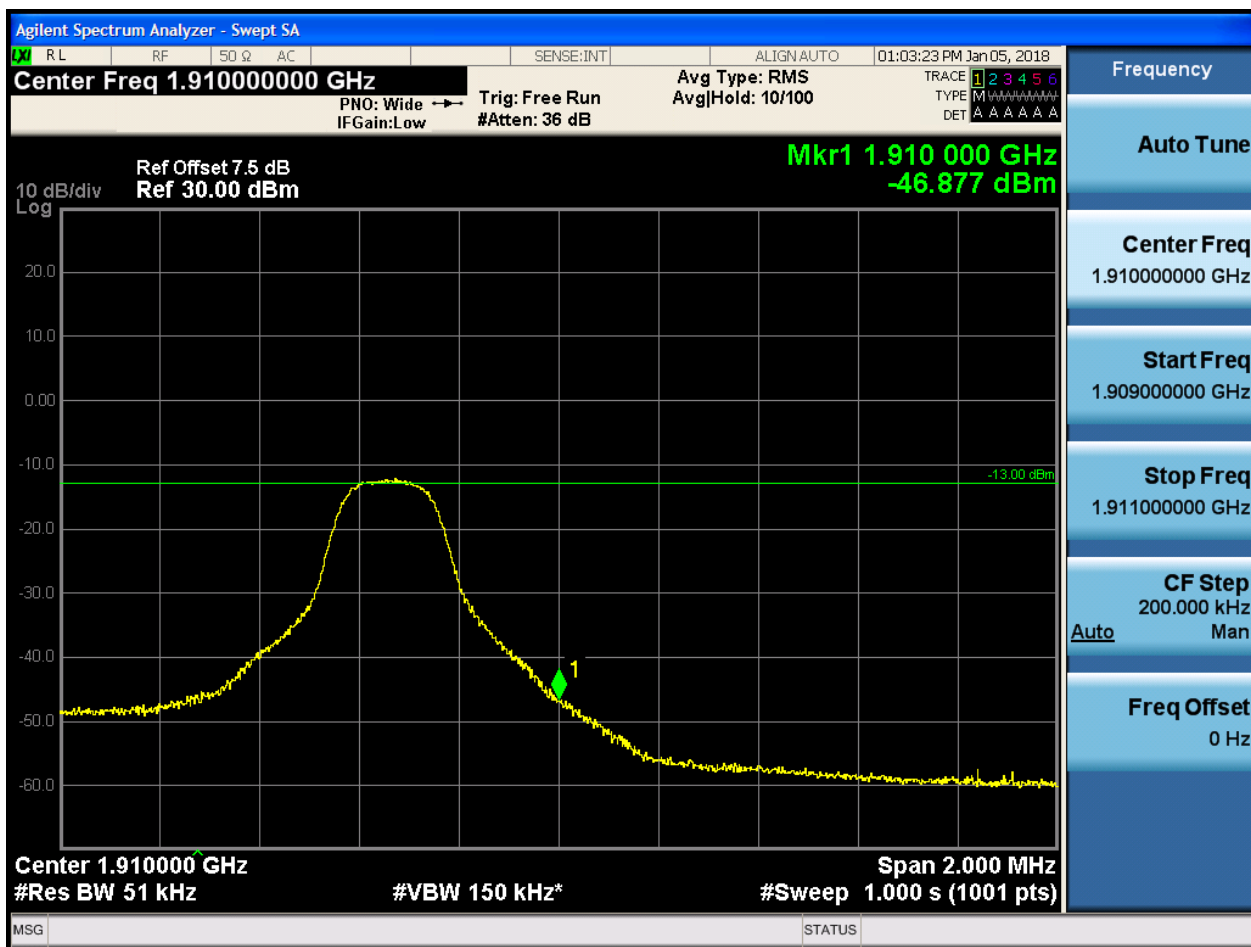


5.1.1.1.3.1.4 Test RB = RB25#0



5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.910000000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-18.382 dBm

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

MSG STATUS

The image shows a spectrum analyzer display with a yellow trace of a signal. The signal is a peak centered at 1.910000 GHz. The peak is marked with a green diamond and labeled '1'. The peak level is -18.382 dBm. The reference level is 30.00 dBm. The offset is 7.5 dB. The span is 2.000 MHz. The resolution bandwidth is 51 kHz. The video bandwidth is 150 kHz. The sweep time is 1.000 s (1001 pts). The center frequency is 1.910000 GHz. The peak level is -18.382 dBm. The reference level is 30.00 dBm. The offset is 7.5 dB. The span is 2.000 MHz. The resolution bandwidth is 51 kHz. The video bandwidth is 150 kHz. The sweep time is 1.000 s (1001 pts). The center frequency is 1.910000 GHz. The peak level is -18.382 dBm. The reference level is 30.00 dBm. The offset is 7.5 dB. The span is 2.000 MHz. The resolution bandwidth is 51 kHz. The video bandwidth is 150 kHz. The sweep time is 1.000 s (1001 pts).