



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	21.88	23.38	33	PASS
				RB1#3	22	23.5	33	PASS
				RB1#5	21.91	23.41	33	PASS
				RB3#0	22	23.5	33	PASS
				RB3#2	22	23.5	33	PASS
				RB3#3	22	23.5	33	PASS
				RB6#0	21.46	22.96	33	PASS
			MCH	RB1#0	22.02	23.52	33	PASS
				RB1#3	22.07	23.57	33	PASS
				RB1#5	21.91	23.41	33	PASS
				RB3#0	21.99	23.49	33	PASS
				RB3#2	22.03	23.53	33	PASS
				RB3#3	21.96	23.46	33	PASS
				RB6#0	21.52	23.02	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.05	23.55	33	PASS
				RB1#3	21.94	23.44	33	PASS
				RB1#5	21.78	23.28	33	PASS
				RB3#0	21.91	23.41	33	PASS
				RB3#2	21.88	23.38	33	PASS
				RB3#3	21.93	23.43	33	PASS
				RB6#0	21.4	22.9	33	PASS
		3	LCH	RB1#0	21.85	23.35	33	PASS
				RB1#7	22.22	23.72	33	PASS
				RB1#14	21.84	23.34	33	PASS
				RB8#0	21.47	22.97	33	PASS
				RB8#4	21.5	23	33	PASS
				RB8#7	21.52	23.02	33	PASS
				RB15#0	21.51	23.01	33	PASS
			MCH	RB1#0	21.83	23.33	33	PASS
				RB1#7	22.07	23.57	33	PASS
				RB1#14	21.74	23.24	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.47	22.97	33	PASS
				RB8#4	21.45	22.95	33	PASS
				RB8#7	21.41	22.91	33	PASS
				RB15#0	21.47	22.97	33	PASS
			HCH	RB1#0	22.03	23.53	33	PASS
				RB1#7	22.23	23.73	33	PASS
				RB1#14	21.78	23.28	33	PASS
				RB8#0	21.61	23.11	33	PASS
				RB8#4	21.53	23.03	33	PASS
				RB8#7	21.43	22.93	33	PASS
				RB15#0	21.55	23.05	33	PASS
		5	LCH	RB1#0	21.87	23.37	33	PASS
				RB1#13	22.18	23.68	33	PASS
				RB1#24	21.76	23.26	33	PASS
				RB12#0	21.59	23.09	33	PASS
				RB12#6	21.74	23.24	33	PASS
				RB12#13	21.56	23.06	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.61	23.11	33	PASS
			MCH	RB1#0	22.08	23.58	33	PASS
				RB1#13	22.2	23.7	33	PASS
				RB1#24	21.8	23.3	33	PASS
				RB12#0	21.73	23.23	33	PASS
				RB12#6	21.75	23.25	33	PASS
				RB12#13	21.6	23.1	33	PASS
				RB25#0	21.68	23.18	33	PASS
			HCH	RB1#0	22.33	23.83	33	PASS
				RB1#13	22.55	24.05	33	PASS
				RB1#24	21.93	23.43	33	PASS
				RB12#0	21.85	23.35	33	PASS
				RB12#6	21.92	23.42	33	PASS
				RB12#13	21.68	23.18	33	PASS
				RB25#0	21.73	23.23	33	PASS
		10	LCH	RB1#0	21.83	23.33	33	PASS
				RB1#25	22.4	23.9	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.07	23.57	33	PASS
				RB25#0	21.8	23.3	33	PASS
				RB25#13	21.91	23.41	33	PASS
				RB25#25	21.83	23.33	33	PASS
				RB50#0	21.91	23.41	33	PASS
			MCH	RB1#0	22.29	23.79	33	PASS
				RB1#25	22.52	24.02	33	PASS
				RB1#49	22.17	23.67	33	PASS
				RB25#0	21.94	23.44	33	PASS
				RB25#13	21.88	23.38	33	PASS
				RB25#25	21.8	23.3	33	PASS
				RB50#0	21.88	23.38	33	PASS
			HCH	RB1#0	22.62	24.12	33	PASS
				RB1#25	22.87	24.37	33	PASS
				RB1#49	22.33	23.83	33	PASS
				RB25#0	22.11	23.61	33	PASS
				RB25#13	22.09	23.59	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.85	23.35	33	PASS
				RB50#0	21.97	23.47	33	PASS
		15	LCH	RB1#0	21.81	23.31	33	PASS
				RB1#38	22.54	24.04	33	PASS
				RB1#74	21.94	23.44	33	PASS
				RB38#0	21.95	23.45	33	PASS
				RB38#19	22.07	23.57	33	PASS
				RB38#39	21.92	23.42	33	PASS
				RB75#0	22.04	23.54	33	PASS
			MCH	RB1#0	22.13	23.63	33	PASS
				RB1#38	22.56	24.06	33	PASS
				RB1#74	21.92	23.42	33	PASS
				RB38#0	22	23.5	33	PASS
				RB38#19	22.05	23.55	33	PASS
				RB38#39	21.84	23.34	33	PASS
				RB75#0	21.93	23.43	33	PASS
			HCH	RB1#0	22.53	24.03	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	23.04	24.54	33	PASS
				RB1#74	22.13	23.63	33	PASS
				RB38#0	22.17	23.67	33	PASS
				RB38#19	22.25	23.75	33	PASS
				RB38#39	21.84	23.34	33	PASS
				RB75#0	21.97	23.47	33	PASS
		20	LCH	RB1#0	21.98	23.48	33	PASS
				RB1#50	22.75	24.25	33	PASS
				RB1#99	21.99	23.49	33	PASS
				RB50#0	22.05	23.55	33	PASS
				RB50#25	22.23	23.73	33	PASS
				RB50#50	21.99	23.49	33	PASS
				RB100#0	22.05	23.55	33	PASS
			MCH	RB1#0	22.35	23.85	33	PASS
				RB1#50	22.73	24.23	33	PASS
				RB1#99	22.07	23.57	33	PASS
				RB50#0	21.93	23.43	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	22.01	23.51	33	PASS
				RB50#50	21.74	23.24	33	PASS
				RB100#0	21.86	23.36	33	PASS
			HCH	RB1#0	22.41	23.91	33	PASS
				RB1#50	23.02	24.52	33	PASS
				RB1#99	22.21	23.71	33	PASS
				RB50#0	22.06	23.56	33	PASS
				RB50#25	22.18	23.68	33	PASS
				RB50#50	21.82	23.32	33	PASS
				RB100#0	21.93	23.43	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.23	23.73	33	PASS
				RB1#3	22.32	23.82	33	PASS
				RB1#5	22.22	23.72	33	PASS
				RB3#0	22.09	23.59	33	PASS
				RB3#2	22.14	23.64	33	PASS
				RB3#3	22.11	23.61	33	PASS
				RB6#0	21.15	22.65	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.25	23.75	33	PASS
				RB1#3	22.42	23.92	33	PASS
				RB1#5	22.12	23.62	33	PASS
				RB3#0	22.09	23.59	33	PASS
				RB3#2	22.07	23.57	33	PASS
				RB3#3	22.01	23.51	33	PASS
				RB6#0	21.09	22.59	33	PASS
			HCH	RB1#0	22.31	23.81	33	PASS
				RB1#3	22.27	23.77	33	PASS
				RB1#5	22.09	23.59	33	PASS
				RB3#0	22.11	23.61	33	PASS
				RB3#2	22.07	23.57	33	PASS
				RB3#3	22.07	23.57	33	PASS
				RB6#0	20.93	22.43	33	PASS
		3	LCH	RB1#0	21.92	23.42	33	PASS
				RB1#7	22.34	23.84	33	PASS
				RB1#14	21.89	23.39	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.11	22.61	33	PASS
				RB8#4	21.16	22.66	33	PASS
				RB8#7	21.12	22.62	33	PASS
				RB15#0	21.1	22.6	33	PASS
			MCH	RB1#0	21.99	23.49	33	PASS
				RB1#7	22.22	23.72	33	PASS
				RB1#14	21.94	23.44	33	PASS
				RB8#0	21.06	22.56	33	PASS
				RB8#4	20.98	22.48	33	PASS
				RB8#7	20.95	22.45	33	PASS
				RB15#0	20.97	22.47	33	PASS
			HCH	RB1#0	22.3	23.8	33	PASS
				RB1#7	22.39	23.89	33	PASS
				RB1#14	22	23.5	33	PASS
				RB8#0	21.08	22.58	33	PASS
				RB8#4	20.97	22.47	33	PASS
				RB8#7	20.82	22.32	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		5	LCH	RB15#0	20.98	22.48	33	PASS
				RB1#0	22.19	23.69	33	PASS
				RB1#13	22.48	23.98	33	PASS
				RB1#24	22.12	23.62	33	PASS
				RB12#0	21.23	22.73	33	PASS
				RB12#6	21.3	22.8	33	PASS
				RB12#13	21.14	22.64	33	PASS
				RB25#0	21.11	22.61	33	PASS
			MCH	RB1#0	22.12	23.62	33	PASS
				RB1#13	22.23	23.73	33	PASS
				RB1#24	21.83	23.33	33	PASS
				RB12#0	21.17	22.67	33	PASS
				RB12#6	21.21	22.71	33	PASS
				RB12#13	20.99	22.49	33	PASS
				RB25#0	21.01	22.51	33	PASS
			HCH	RB1#0	22.38	23.88	33	PASS
				RB1#13	22.45	23.95	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	22.09	23.59	33	PASS
				RB12#0	21.19	22.69	33	PASS
				RB12#6	21.2	22.7	33	PASS
				RB12#13	20.95	22.45	33	PASS
				RB25#0	21	22.5	33	PASS
		10	LCH	RB1#0	22.06	23.56	33	PASS
				RB1#25	22.51	24.01	33	PASS
				RB1#49	22.14	23.64	33	PASS
				RB25#0	21.19	22.69	33	PASS
				RB25#13	21.24	22.74	33	PASS
				RB25#25	21.16	22.66	33	PASS
				RB50#0	21.17	22.67	33	PASS
			MCH	RB1#0	22.09	23.59	33	PASS
				RB1#25	22.26	23.76	33	PASS
				RB1#49	21.92	23.42	33	PASS
				RB25#0	21.11	22.61	33	PASS
				RB25#13	21.06	22.56	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.98	22.48	33	PASS
				RB50#0	20.96	22.46	33	PASS
			HCH	RB1#0	22.56	24.06	33	PASS
				RB1#25	22.75	24.25	33	PASS
				RB1#49	22.14	23.64	33	PASS
				RB25#0	21.21	22.71	33	PASS
				RB25#13	21.13	22.63	33	PASS
				RB25#25	20.93	22.43	33	PASS
				RB50#0	21.03	22.53	33	PASS
		15	LCH	RB1#0	21.65	23.15	33	PASS
				RB1#38	22.24	23.74	33	PASS
				RB1#74	21.67	23.17	33	PASS
				RB38#0	21.21	22.71	33	PASS
				RB38#19	21.28	22.78	33	PASS
				RB38#39	21.12	22.62	33	PASS
				RB75#0	21.23	22.73	33	PASS
			MCH	RB1#0	21.97	23.47	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.35	23.85	33	PASS
				RB1#74	21.7	23.2	33	PASS
				RB38#0	21.03	22.53	33	PASS
				RB38#19	21.1	22.6	33	PASS
				RB38#39	20.9	22.4	33	PASS
				RB75#0	20.97	22.47	33	PASS
			HCH	RB1#0	22.32	23.82	33	PASS
				RB1#38	22.76	24.26	33	PASS
				RB1#74	21.88	23.38	33	PASS
				RB38#0	21.15	22.65	33	PASS
				RB38#19	21.25	22.75	33	PASS
				RB38#39	20.83	22.33	33	PASS
				RB75#0	20.97	22.47	33	PASS
		20	LCH	RB1#0	22.05	23.55	33	PASS
				RB1#50	22.6	24.1	33	PASS
				RB1#99	21.86	23.36	33	PASS
				RB50#0	21.1	22.6	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	21.23	22.73	33	PASS
				RB50#50	21	22.5	33	PASS
				RB100#0	21.06	22.56	33	PASS
			MCH	RB1#0	22.2	23.7	33	PASS
				RB1#50	22.54	24.04	33	PASS
				RB1#99	21.85	23.35	33	PASS
				RB50#0	20.95	22.45	33	PASS
				RB50#25	21.04	22.54	33	PASS
				RB50#50	20.78	22.28	33	PASS
				RB100#0	20.89	22.39	33	PASS
			HCH	RB1#0	22.16	23.66	33	PASS
				RB1#50	22.69	24.19	33	PASS
				RB1#99	21.88	23.38	33	PASS
				RB50#0	21.11	22.61	33	PASS
				RB50#25	21.22	22.72	33	PASS
				RB50#50	20.85	22.35	33	PASS
				RB100#0	20.97	22.47	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:

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

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

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

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	4.93	13	PASS
				RB1#3	4.85	13	PASS
				RB1#5	4.9	13	PASS
				RB3#0	5.47	13	PASS
				RB3#2	5.19	13	PASS
				RB3#3	5.44	13	PASS
				RB6#0	5.16	13	PASS
			MCH	RB1#0	4.51	13	PASS
				RB1#3	4.48	13	PASS
				RB1#5	4.57	13	PASS
				RB3#0	5.23	13	PASS
				RB3#2	5.11	13	PASS
				RB3#3	5.27	13	PASS
				RB6#0	5.2	13	PASS
			HCH	RB1#0	4.28	13	PASS
				RB1#3	4.24	13	PASS
				RB1#5	4.3	13	PASS
				RB3#0	4.66	13	PASS
				RB3#2	4.48	13	PASS
				RB3#3	4.53	13	PASS
				RB6#0	5.16	13	PASS
		3	LCH	RB1#0	4.79	13	PASS
				RB1#7	4.77	13	PASS
				RB1#14	5.02	13	PASS
				RB8#0	5.19	13	PASS
				RB8#4	5.16	13	PASS
				RB8#7	5.22	13	PASS
				RB15#0	5.55	13	PASS
			MCH	RB1#0	4.89	13	PASS
				RB1#7	4.86	13	PASS
				RB1#14	4.98	13	PASS
				RB8#0	5.24	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	4.99	13	PASS
				RB8#7	5.1	13	PASS
				RB15#0	5.58	13	PASS
			HCH	RB1#0	4.69	13	PASS
				RB1#7	4.39	13	PASS
				RB1#14	4.65	13	PASS
				RB8#0	4.87	13	PASS
				RB8#4	4.82	13	PASS
				RB8#7	4.96	13	PASS
				RB15#0	5.19	13	PASS
		5	LCH	RB1#0	4.87	13	PASS
				RB1#13	4.65	13	PASS
				RB1#24	4.85	13	PASS
				RB12#0	5.19	13	PASS
				RB12#6	5.08	13	PASS
				RB12#13	5.22	13	PASS
				RB25#0	5.61	13	PASS
			MCH	RB1#0	5.23	13	PASS
				RB1#13	5.15	13	PASS
				RB1#24	5.39	13	PASS
				RB12#0	5.46	13	PASS
				RB12#6	5.34	13	PASS
				RB12#13	5.5	13	PASS
				RB25#0	5.63	13	PASS
			HCH	RB1#0	4.82	13	PASS
				RB1#13	4.32	13	PASS
				RB1#24	4.56	13	PASS
				RB12#0	4.88	13	PASS
				RB12#6	4.69	13	PASS
				RB12#13	4.93	13	PASS
				RB25#0	5.48	13	PASS
		10	LCH	RB1#0	4.72	13	PASS
				RB1#25	4.55	13	PASS
				RB1#49	4.82	13	PASS
				RB25#0	5.3	13	PASS
				RB25#13	5.37	13	PASS
				RB25#25	5.45	13	PASS
				RB50#0	5.78	13	PASS
			MCH	RB1#0	4.9	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.77	13	PASS
				RB1#49	5.01	13	PASS
				RB25#0	5.46	13	PASS
				RB25#13	5.39	13	PASS
				RB25#25	5.49	13	PASS
				RB50#0	5.77	13	PASS
			HCH	RB1#0	4.67	13	PASS
				RB1#25	4.44	13	PASS
				RB1#49	4.55	13	PASS
				RB25#0	5.07	13	PASS
				RB25#13	4.88	13	PASS
				RB25#25	5.07	13	PASS
				RB50#0	5.56	13	PASS
		15	LCH	RB1#0	4.82	13	PASS
				RB1#38	4.61	13	PASS
				RB1#74	4.91	13	PASS
				RB38#0	5.42	13	PASS
				RB38#19	5.43	13	PASS
				RB38#39	5.47	13	PASS
				RB75#0	6.01	13	PASS
			MCH	RB1#0	5.05	13	PASS
				RB1#38	4.88	13	PASS
				RB1#74	5.18	13	PASS
				RB38#0	5.6	13	PASS
				RB38#19	5.38	13	PASS
				RB38#39	5.51	13	PASS
				RB75#0	6.07	13	PASS
			HCH	RB1#0	4.84	13	PASS
				RB1#38	4.46	13	PASS
				RB1#74	4.7	13	PASS
				RB38#0	5.22	13	PASS
				RB38#19	5.49	13	PASS
				RB38#39	5.35	13	PASS
				RB75#0	5.75	13	PASS
		20	LCH	RB1#0	5.24	13	PASS
				RB1#50	4.97	13	PASS
				RB1#99	5.44	13	PASS
				RB50#0	5.62	13	PASS
				RB50#25	5.56	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	5.58	13	PASS
				RB100#0	5.92	13	PASS
			MCH	RB1#0	5.07	13	PASS
				RB1#50	4.93	13	PASS
				RB1#99	5.15	13	PASS
				RB50#0	5.86	13	PASS
				RB50#25	5.69	13	PASS
				RB50#50	5.66	13	PASS
				RB100#0	5.97	13	PASS
			HCH	RB1#0	5.16	13	PASS
				RB1#50	4.64	13	PASS
				RB1#99	4.88	13	PASS
				RB50#0	5.25	13	PASS
				RB50#25	4.98	13	PASS
				RB50#50	5.28	13	PASS
				RB100#0	5.71	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.54	13	PASS
				RB1#3	5.48	13	PASS
				RB1#5	5.58	13	PASS
				RB3#0	5.92	13	PASS
				RB3#2	5.68	13	PASS
				RB3#3	5.88	13	PASS
				RB6#0	6.23	13	PASS
			MCH	RB1#0	5.71	13	PASS
				RB1#3	5.67	13	PASS
				RB1#5	5.74	13	PASS
				RB3#0	6.02	13	PASS
				RB3#2	6.06	13	PASS
				RB3#3	5.97	13	PASS
				RB6#0	6.01	13	PASS
			HCH	RB1#0	4.67	13	PASS
				RB1#3	4.67	13	PASS
				RB1#5	4.79	13	PASS
				RB3#0	5.51	13	PASS
				RB3#2	5.28	13	PASS
				RB3#3	5.5	13	PASS
				RB6#0	5.78	13	PASS
		3	LCH	RB1#0	5.64	13	PASS
				RB1#7	5.36	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	5.49	13	PASS
				RB8#0	5.94	13	PASS
				RB8#4	5.76	13	PASS
				RB8#7	5.84	13	PASS
				RB15#0	6.25	13	PASS
			MCH	RB1#0	5.97	13	PASS
				RB1#7	5.7	13	PASS
				RB1#14	6.07	13	PASS
				RB8#0	5.69	13	PASS
				RB8#4	5.64	13	PASS
				RB8#7	5.68	13	PASS
				RB15#0	6.18	13	PASS
			HCH	RB1#0	4.91	13	PASS
				RB1#7	4.69	13	PASS
				RB1#14	4.94	13	PASS
				RB8#0	5.61	13	PASS
				RB8#4	5.35	13	PASS
				RB8#7	5.67	13	PASS
				RB15#0	5.84	13	PASS
		5	LCH	RB1#0	5.55	13	PASS
				RB1#13	5.35	13	PASS
				RB1#24	5.61	13	PASS
				RB12#0	5.9	13	PASS
				RB12#6	6.05	13	PASS
				RB12#13	5.99	13	PASS
				RB25#0	6.33	13	PASS
			MCH	RB1#0	5.43	13	PASS
				RB1#13	5.33	13	PASS
				RB1#24	5.73	13	PASS
				RB12#0	6.03	13	PASS
				RB12#6	6.13	13	PASS
				RB12#13	6.16	13	PASS
				RB25#0	6.37	13	PASS
			HCH	RB1#0	4.84	13	PASS
				RB1#13	4.7	13	PASS
				RB1#24	5.01	13	PASS
				RB12#0	5.46	13	PASS
				RB12#6	5.38	13	PASS
				RB12#13	5.55	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB25#0	6.18	13	PASS
				RB1#0	5.71	13	PASS
			LCH	RB1#25	5.42	13	PASS
				RB1#49	5.81	13	PASS
				RB25#0	5.98	13	PASS
				RB25#13	6.12	13	PASS
				RB25#25	6.07	13	PASS
				RB50#0	6.48	13	PASS
			MCH	RB1#0	5.64	13	PASS
				RB1#25	5.52	13	PASS
				RB1#49	5.77	13	PASS
				RB25#0	6.12	13	PASS
				RB25#13	6.26	13	PASS
				RB25#25	6.17	13	PASS
				RB50#0	6.56	13	PASS
			HCH	RB1#0	5.15	13	PASS
				RB1#25	4.85	13	PASS
				RB1#49	5	13	PASS
				RB25#0	5.74	13	PASS
				RB25#13	5.71	13	PASS
				RB25#25	5.8	13	PASS
				RB50#0	6.2	13	PASS
		15	LCH	RB1#0	5.82	13	PASS
				RB1#38	5.45	13	PASS
				RB1#74	5.93	13	PASS
				RB38#0	6.03	13	PASS
				RB38#19	6.23	13	PASS
				RB38#39	6.24	13	PASS
				RB75#0	6.65	13	PASS
			MCH	RB1#0	5.74	13	PASS
				RB1#38	5.51	13	PASS
				RB1#74	5.82	13	PASS
				RB38#0	6.41	13	PASS
				RB38#19	6.39	13	PASS
				RB38#39	6.46	13	PASS
				RB75#0	6.78	13	PASS
			HCH	RB1#0	5.32	13	PASS
				RB1#38	4.99	13	PASS
				RB1#74	5.27	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#0	5.85	13	PASS
				RB38#19	5.76	13	PASS
				RB38#39	5.88	13	PASS
				RB75#0	6.47	13	PASS
		20	LCH	RB1#0	5.6	13	PASS
				RB1#50	5.16	13	PASS
				RB1#99	5.91	13	PASS
				RB50#0	6.25	13	PASS
				RB50#25	6.27	13	PASS
				RB50#50	6.3	13	PASS
				RB100#0	6.69	13	PASS
			MCH	RB1#0	5.84	13	PASS
				RB1#50	5.66	13	PASS
				RB1#99	6.03	13	PASS
				RB50#0	6.49	13	PASS
				RB50#25	6.25	13	PASS
				RB50#50	6.59	13	PASS
				RB100#0	6.88	13	PASS
			HCH	RB1#0	5.72	13	PASS
				RB1#50	5.16	13	PASS
				RB1#99	5.37	13	PASS
				RB50#0	5.99	13	PASS
				RB50#25	5.97	13	PASS
				RB50#50	6	13	PASS
				RB100#0	6.49	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

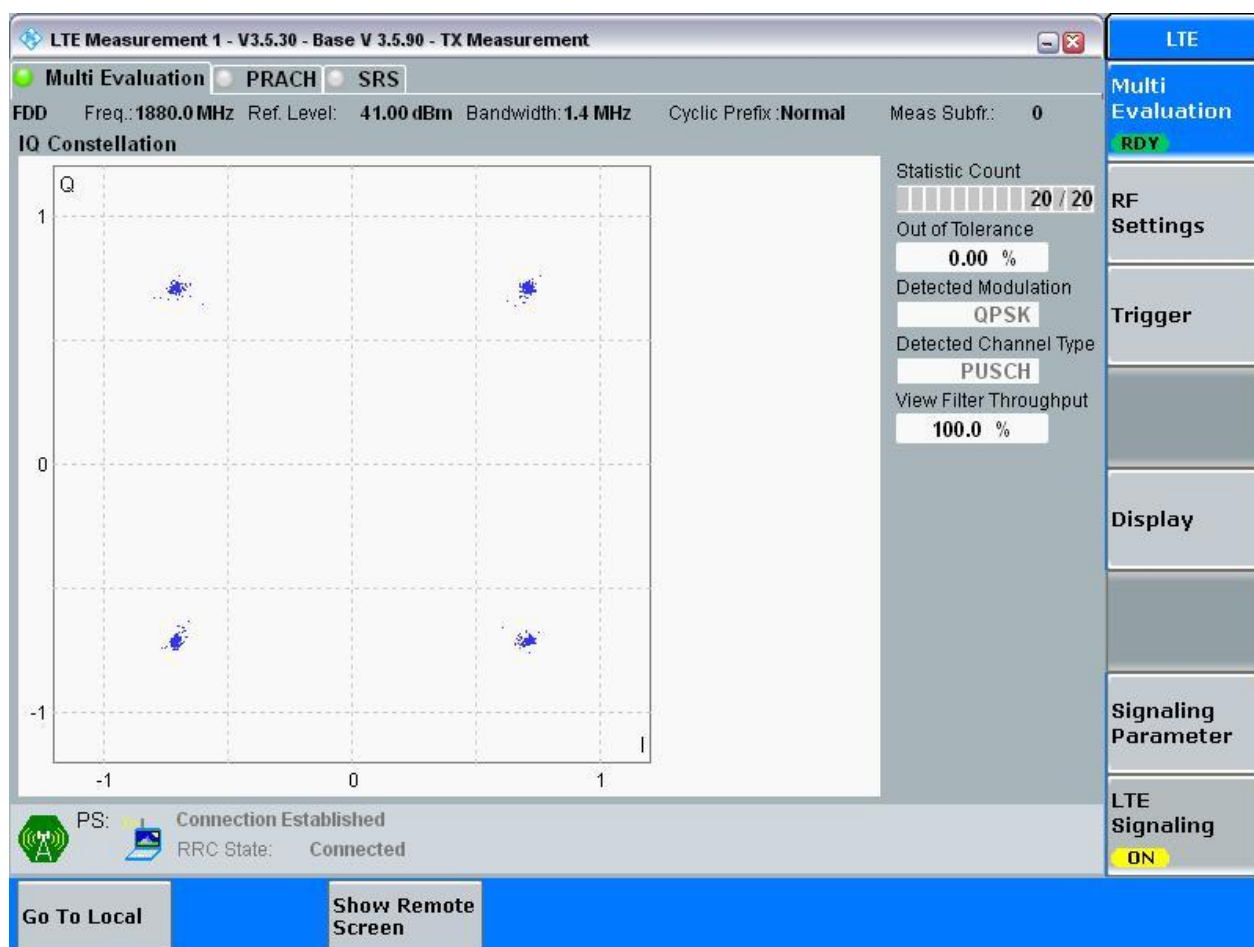
3.1.1 Test Band = BAND2

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

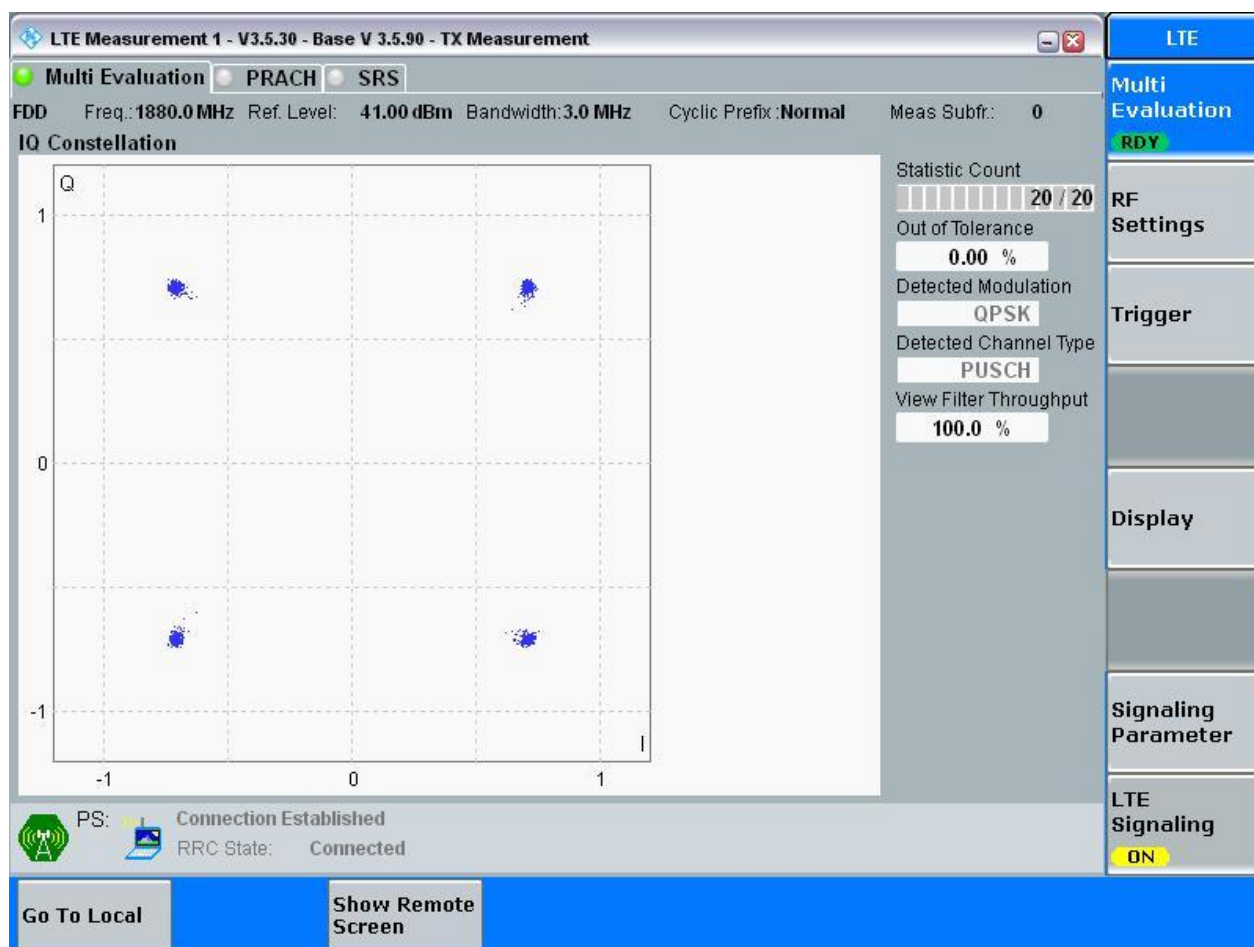
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

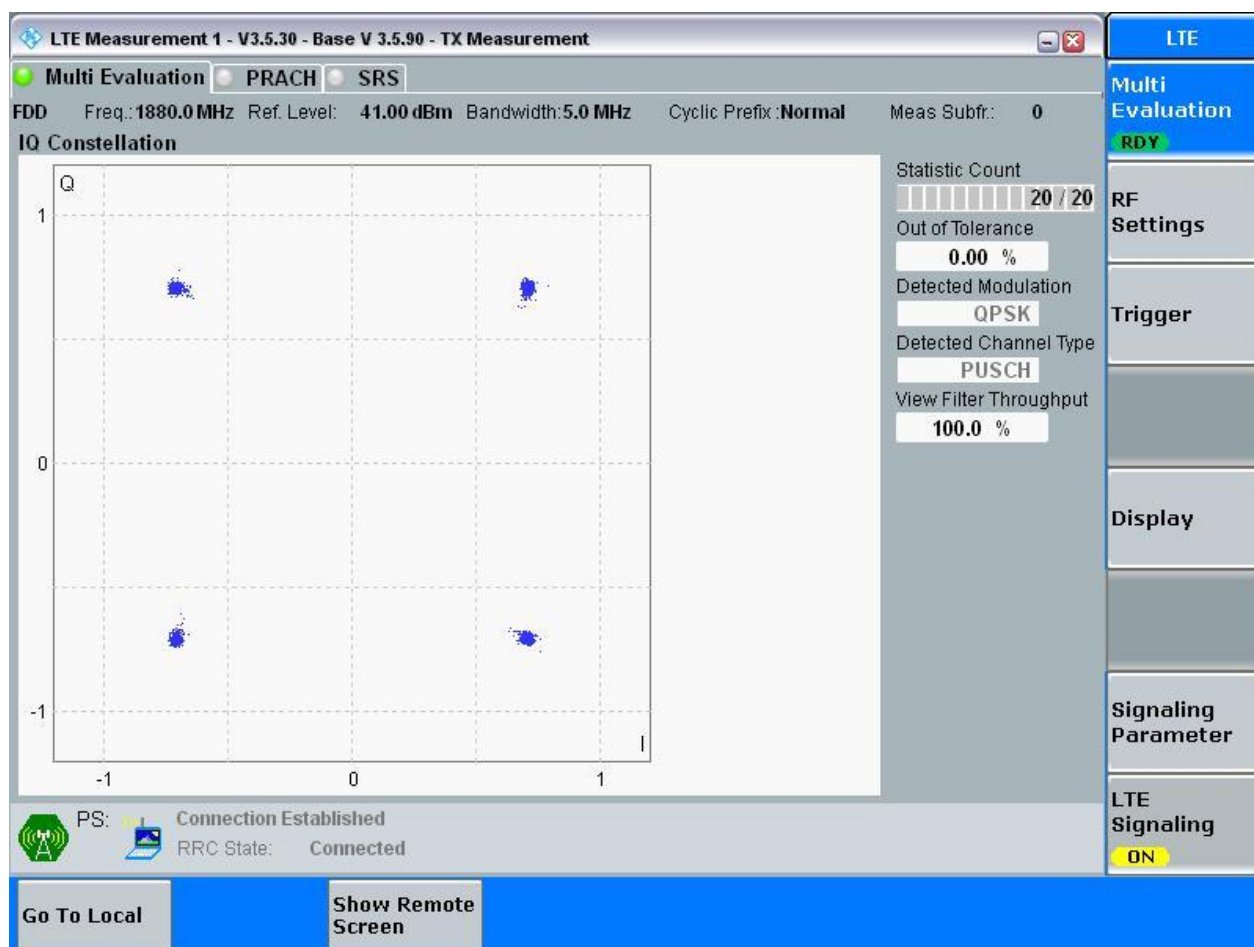
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

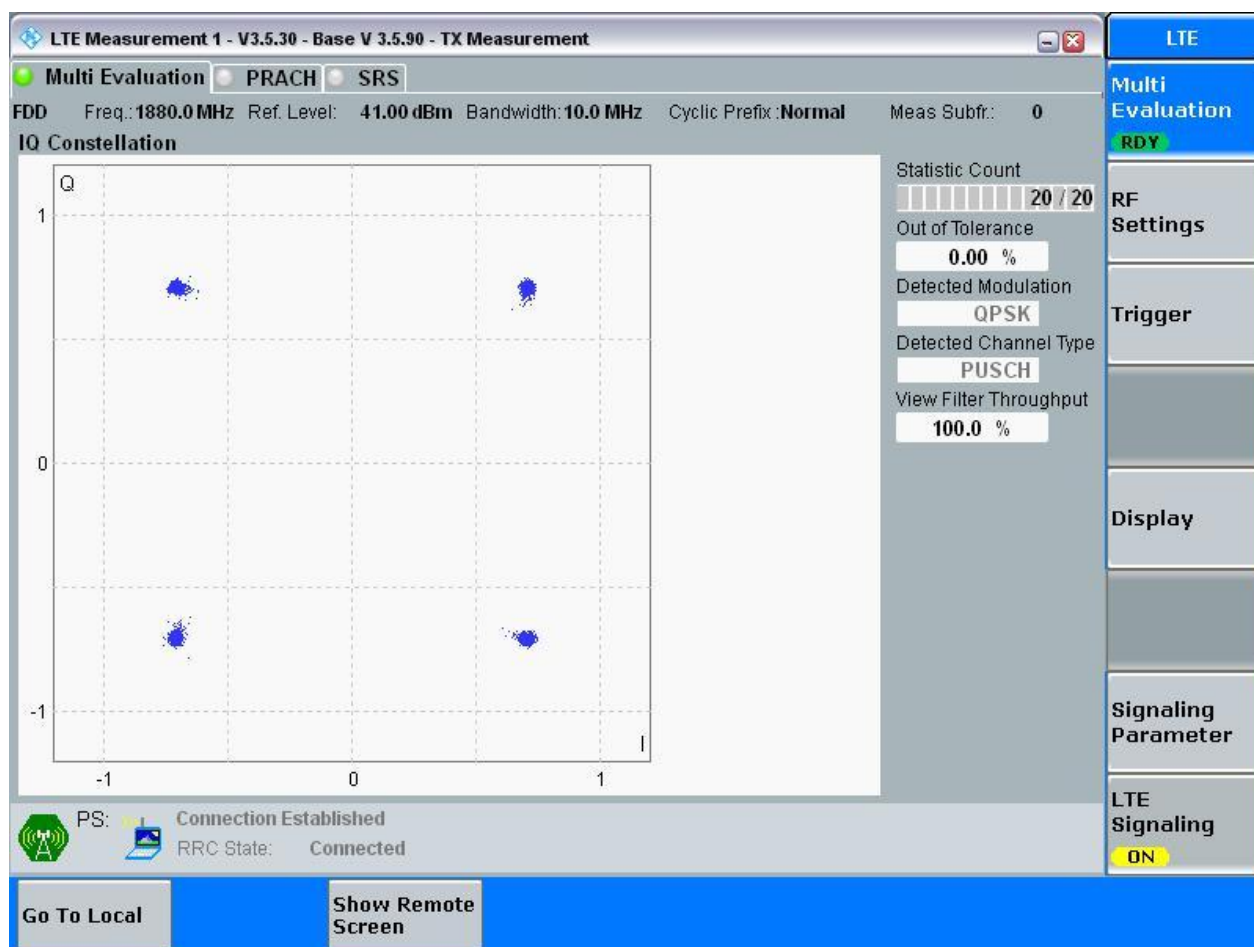
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

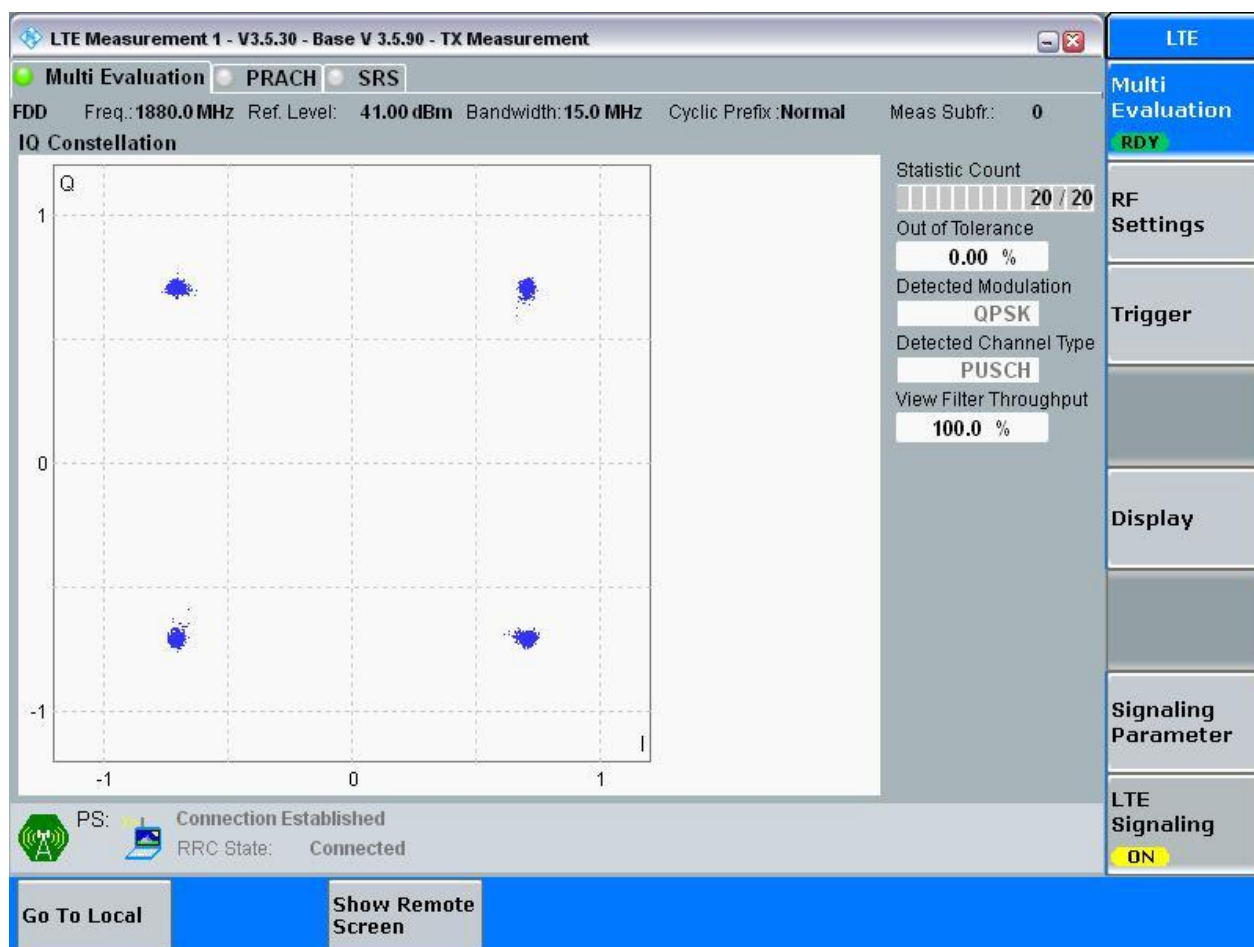
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

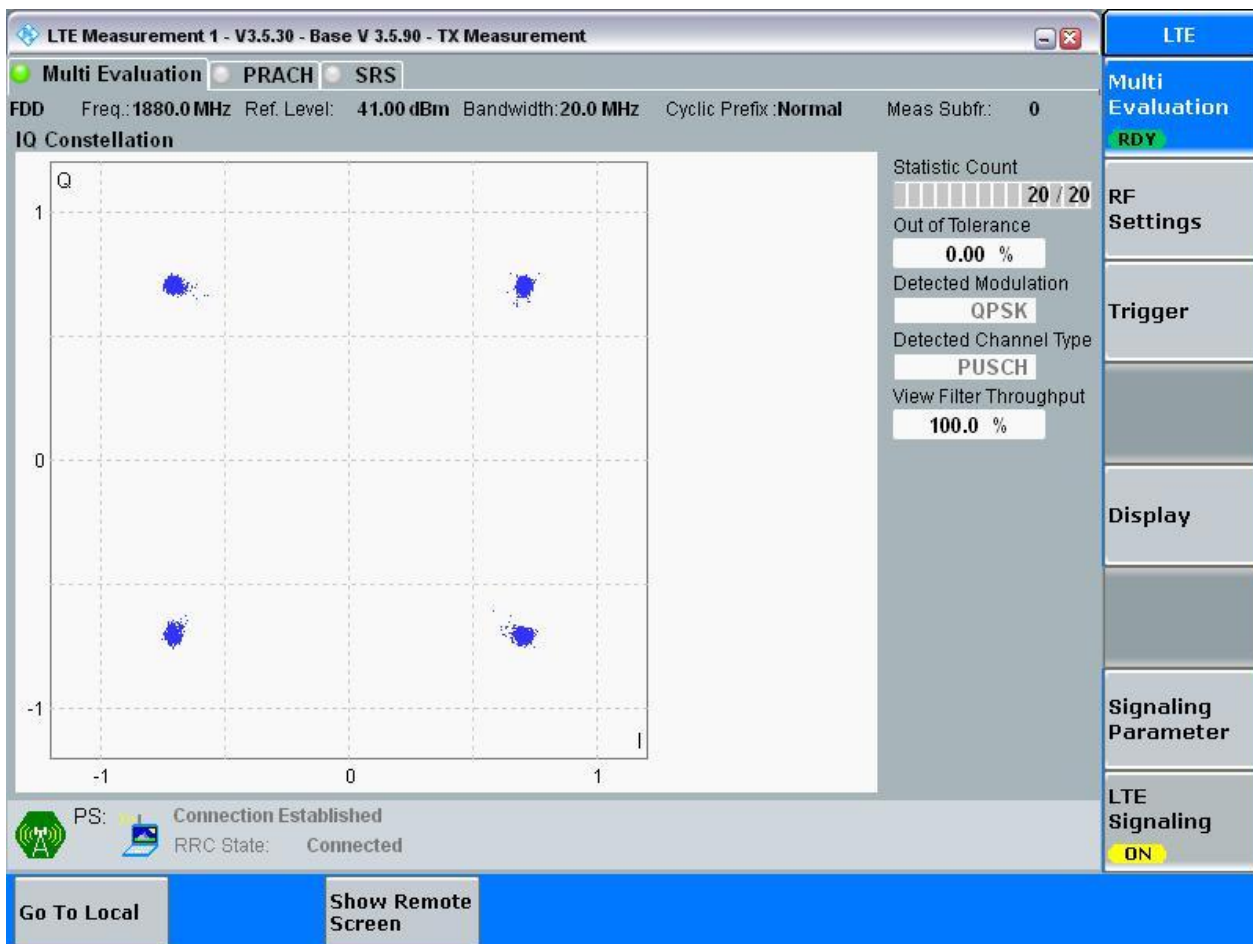
3.1.1.1.5.1.1 Test RB = RB75#0



3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0

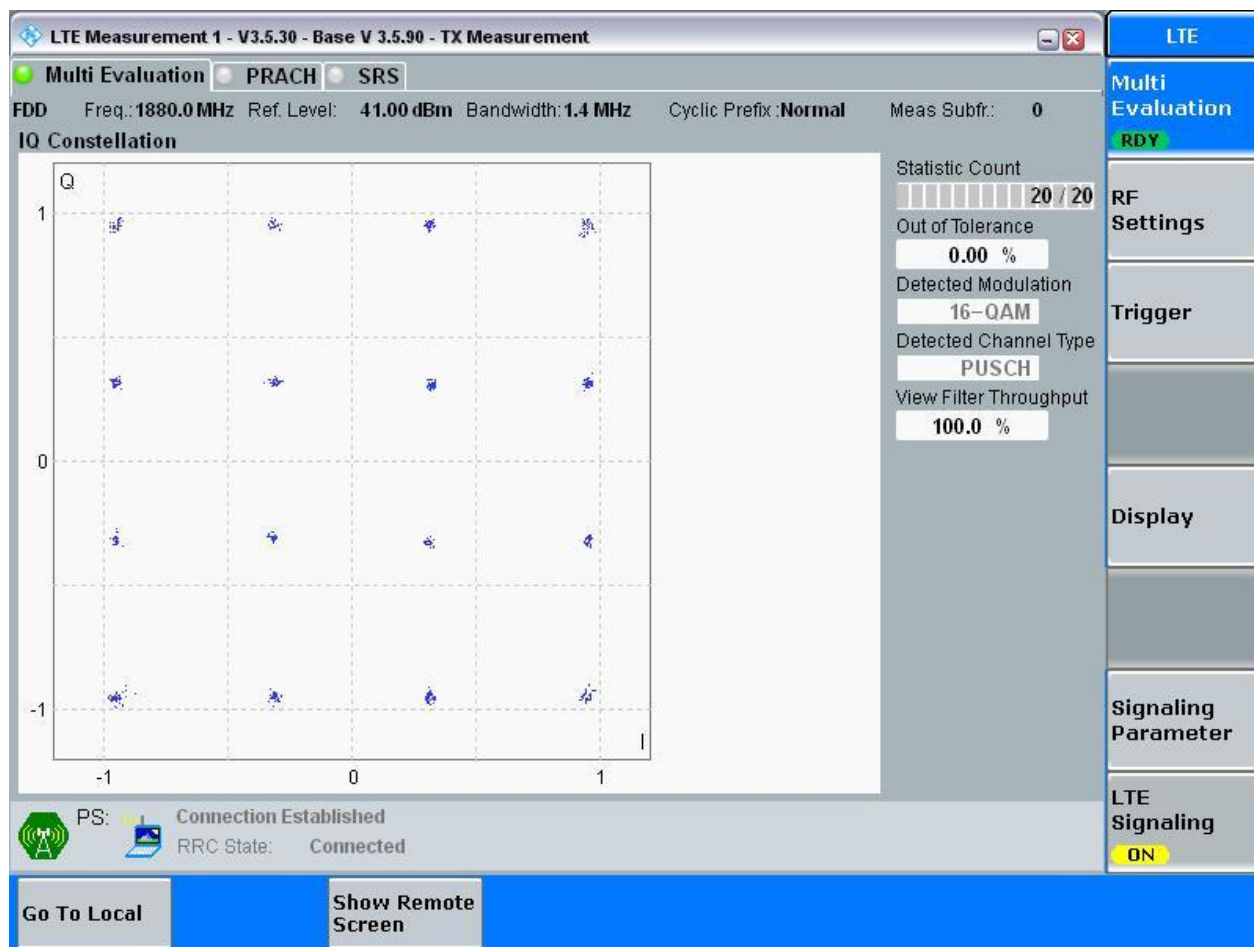


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

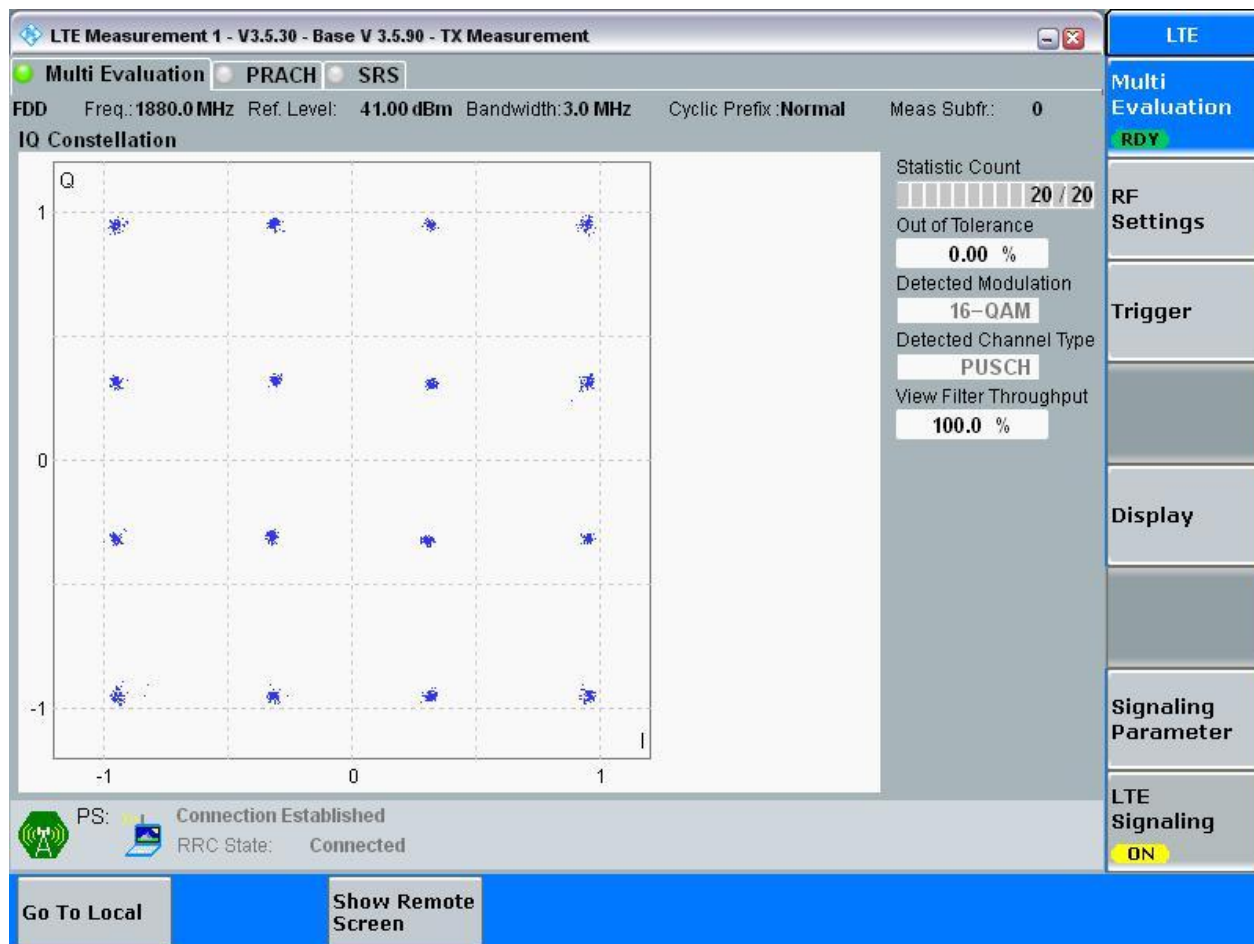
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

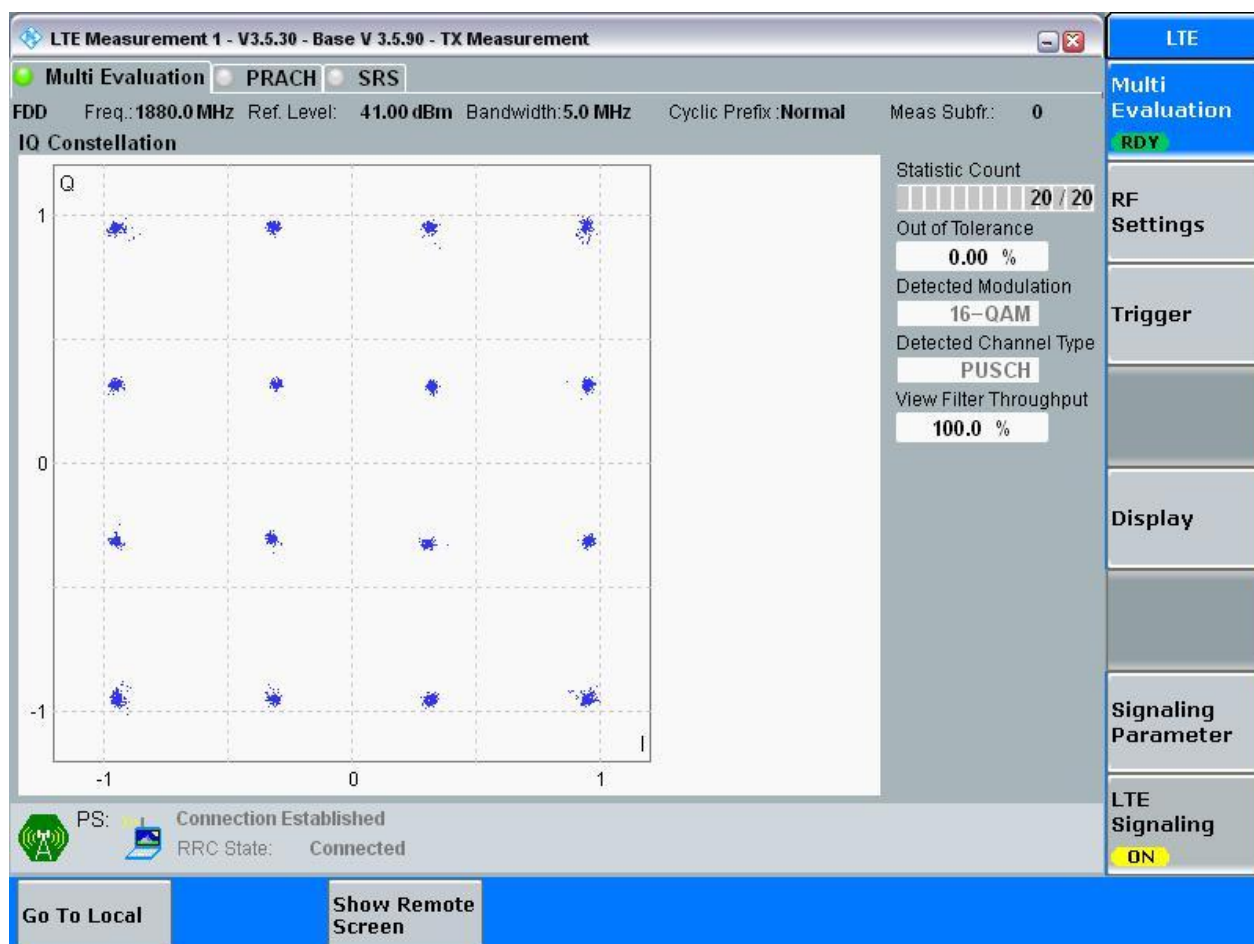
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

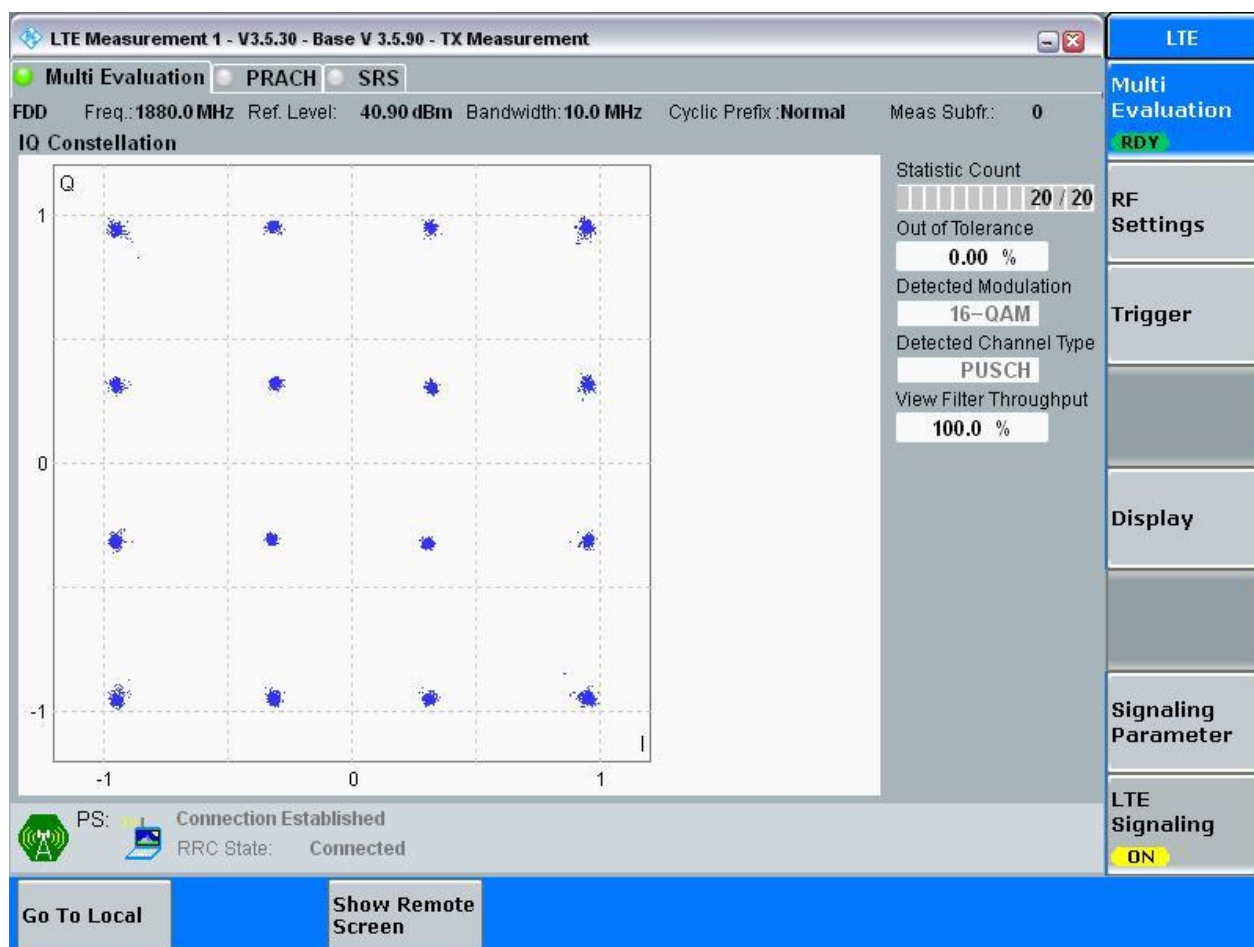
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

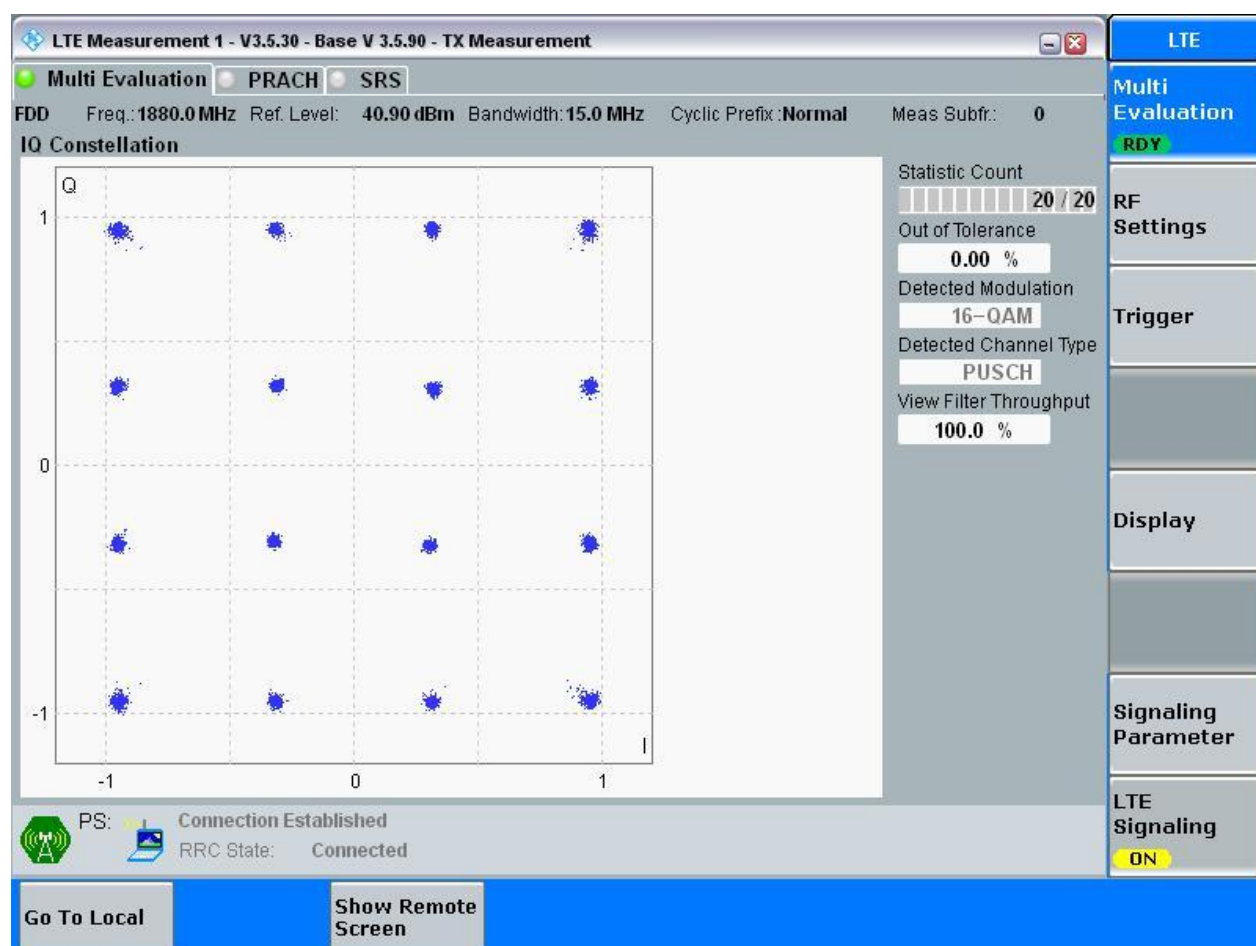
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

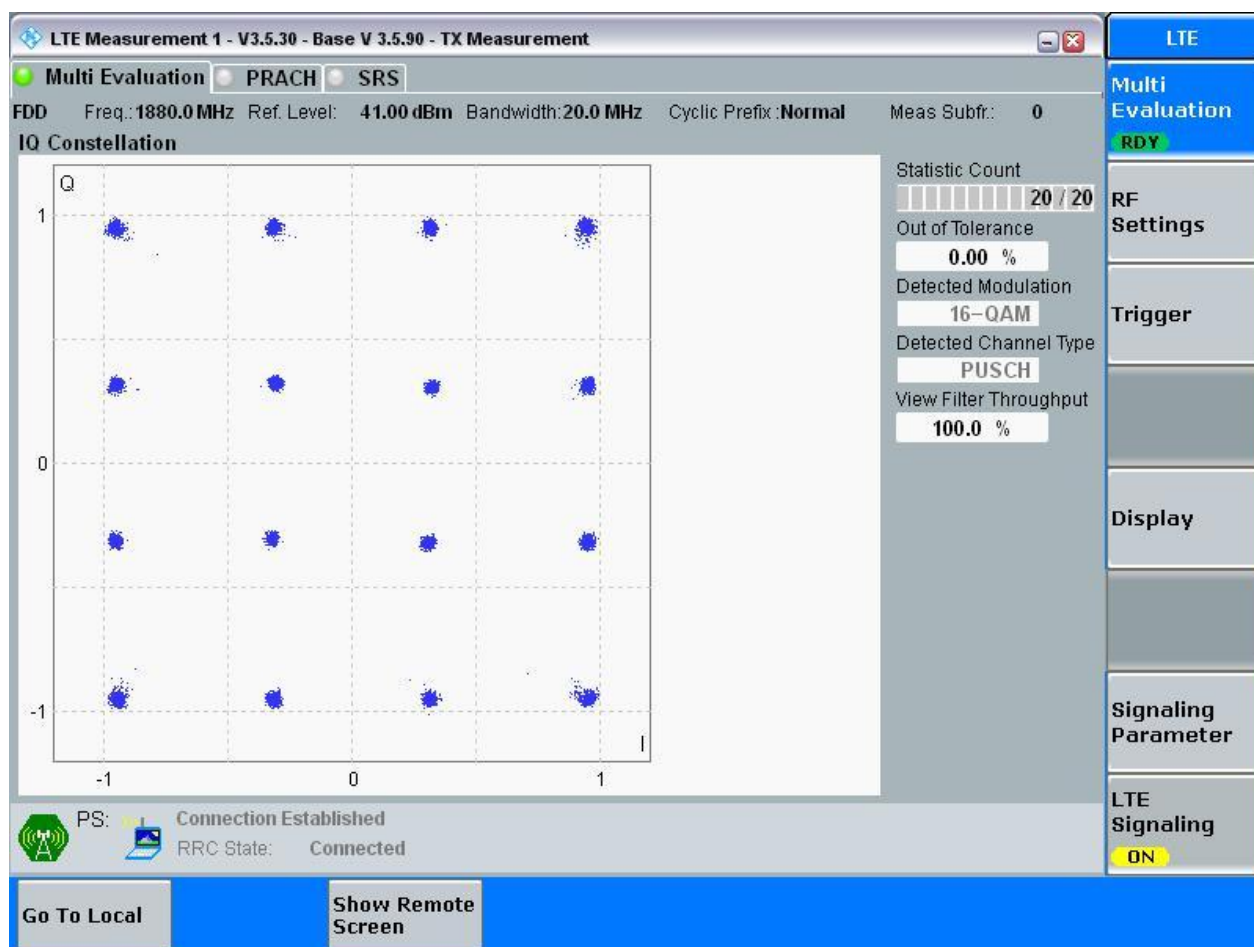
3.1.1.2.5.1.1 Test RB = RB75#0



3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 Test RB = RB100#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.70	2.97	Pass
			MCH	RB15#0	2.71	2.97	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.51	4.95	Pass
			MCH	RB25#0	4.50	4.97	Pass
			HCH	RB25#0	4.51	4.97	Pass
		10	LCH	RB50#0	9.00	9.92	Pass
			MCH	RB50#0	9.01	9.94	Pass
			HCH	RB50#0	9.01	9.97	Pass
		15	LCH	RB75#0	13.49	15.02	Pass
			MCH	RB75#0	13.50	14.98	Pass
			HCH	RB75#0	13.48	15.02	Pass
		20	LCH	RB100#0	17.98	19.93	Pass
			MCH	RB100#0	18.00	19.95	Pass
			HCH	RB100#0	18.03	19.85	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.10	1.25	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.72	2.98	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.51	4.97	Pass
			HCH	RB25#0	4.51	4.98	Pass
		10	LCH	RB50#0	9.00	9.93	Pass
			MCH	RB50#0	9.01	9.94	Pass
			HCH	RB50#0	9.01	9.91	Pass
		15	LCH	RB75#0	13.47	14.98	Pass
			MCH	RB75#0	13.48	14.94	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB75#0	13.50	14.99	Pass
		20	LCH	RB100#0	18.00	19.83	Pass
			MCH	RB100#0	17.99	19.80	Pass
			HCH	RB100#0	18.00	19.87	Pass



Part II - Test Plots

4.1 For LTE

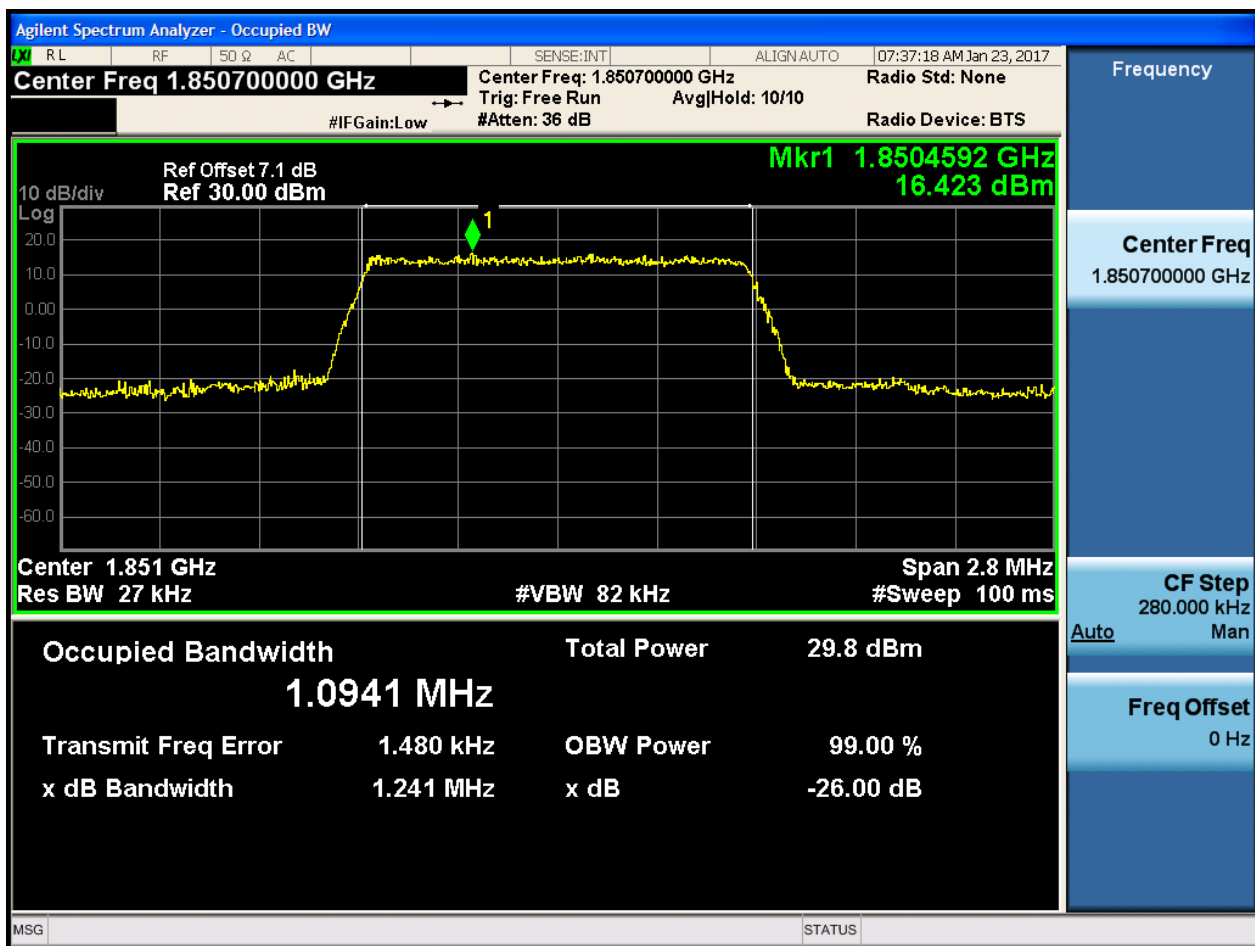
4.1.1 Test Band = BAND2

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

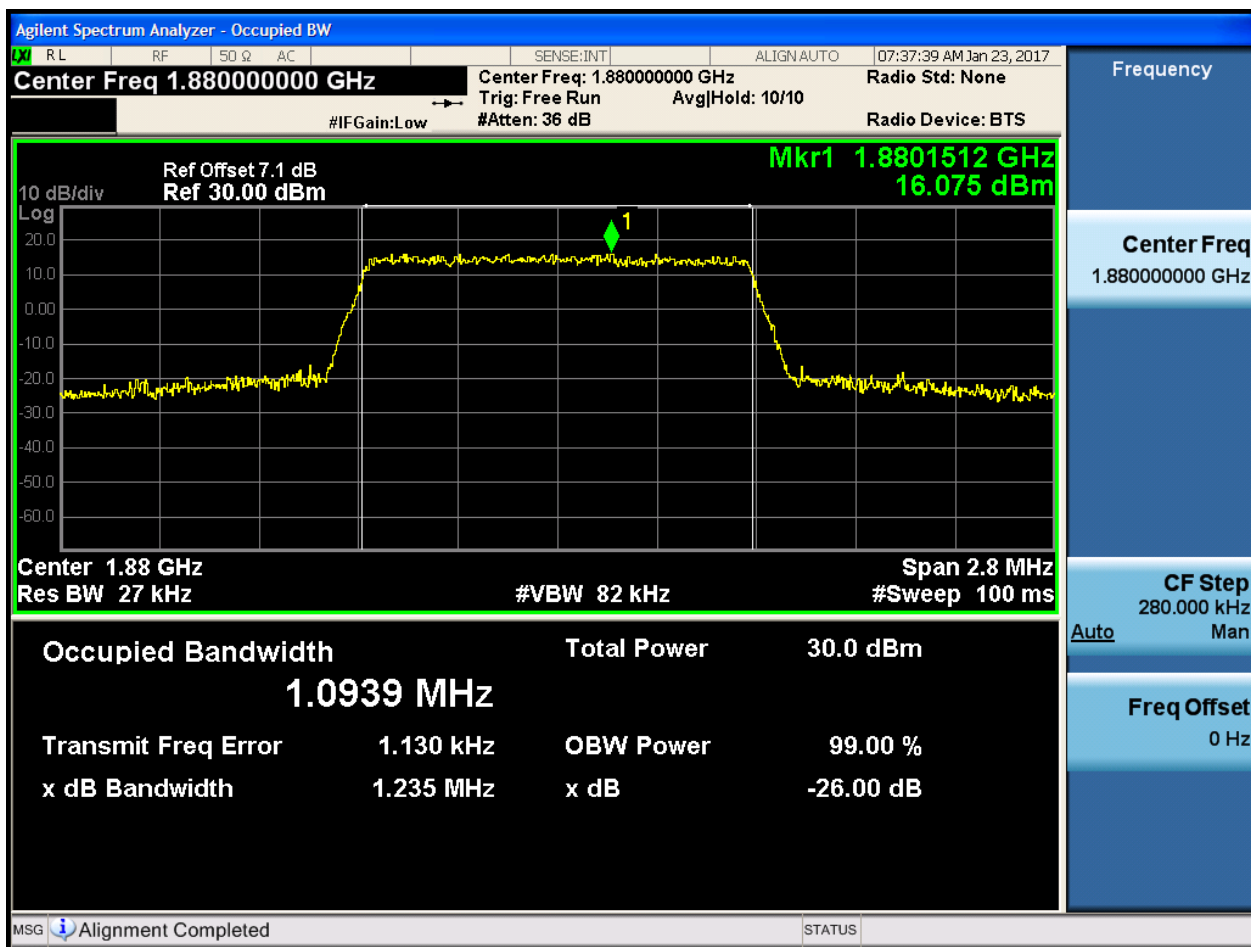
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

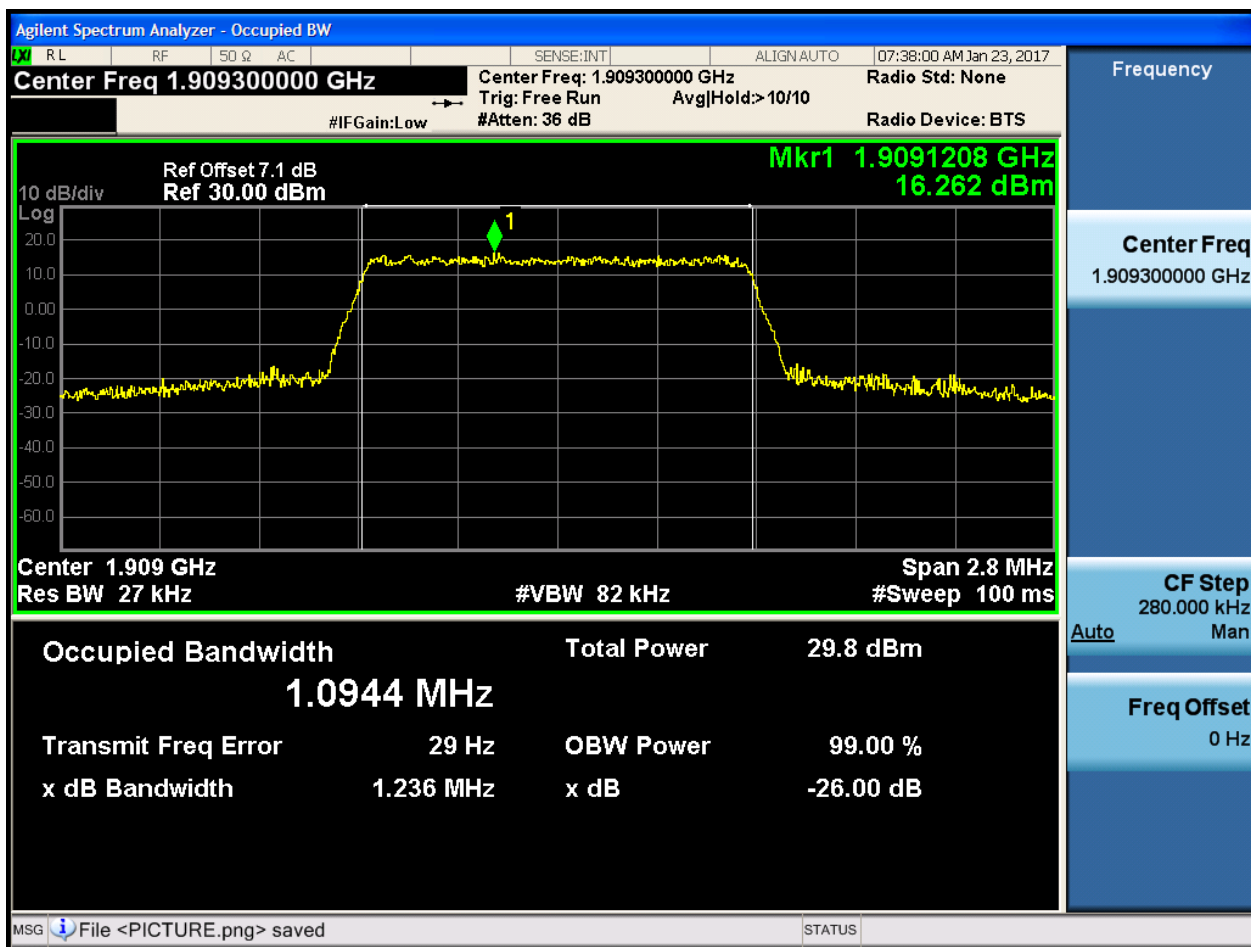
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

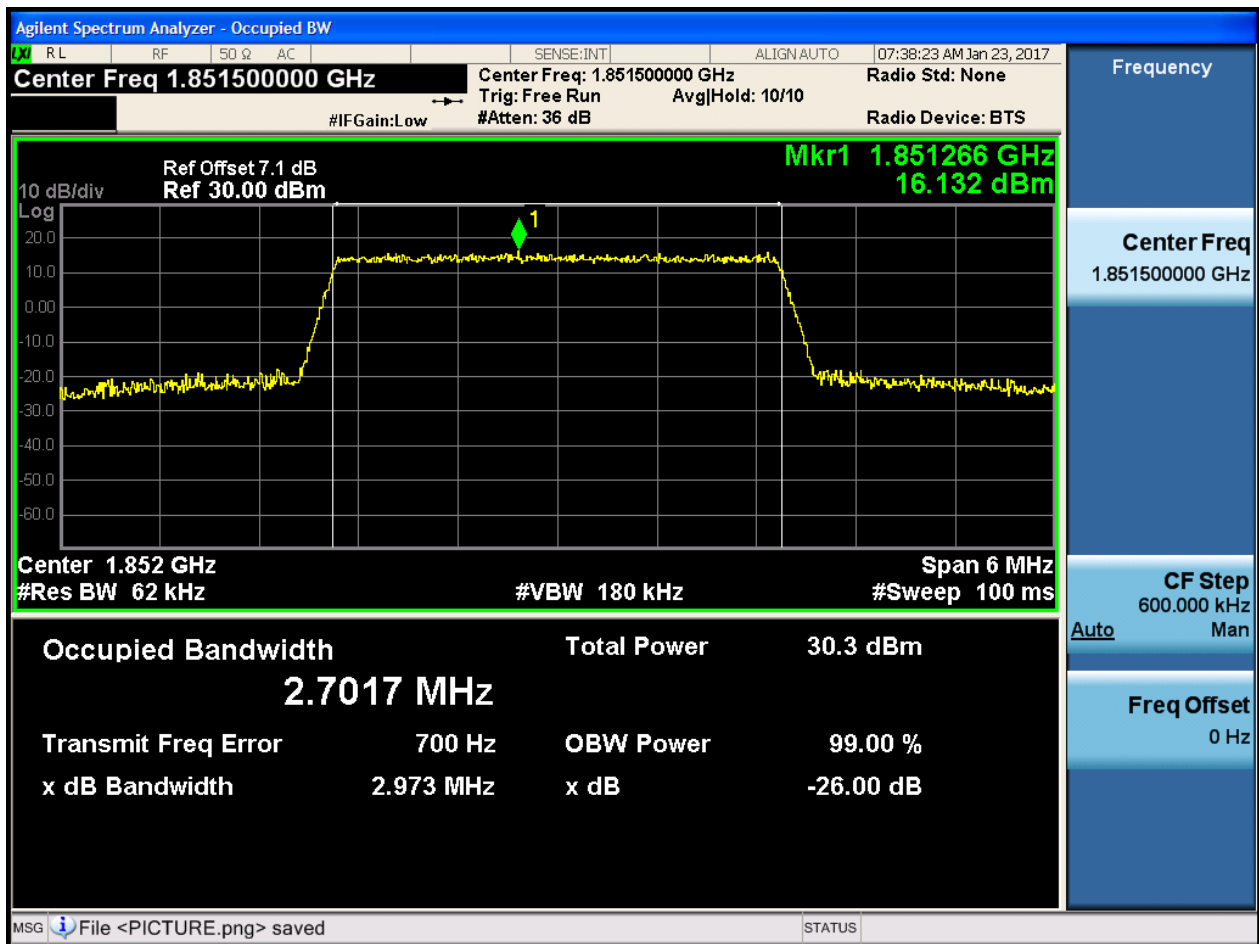




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

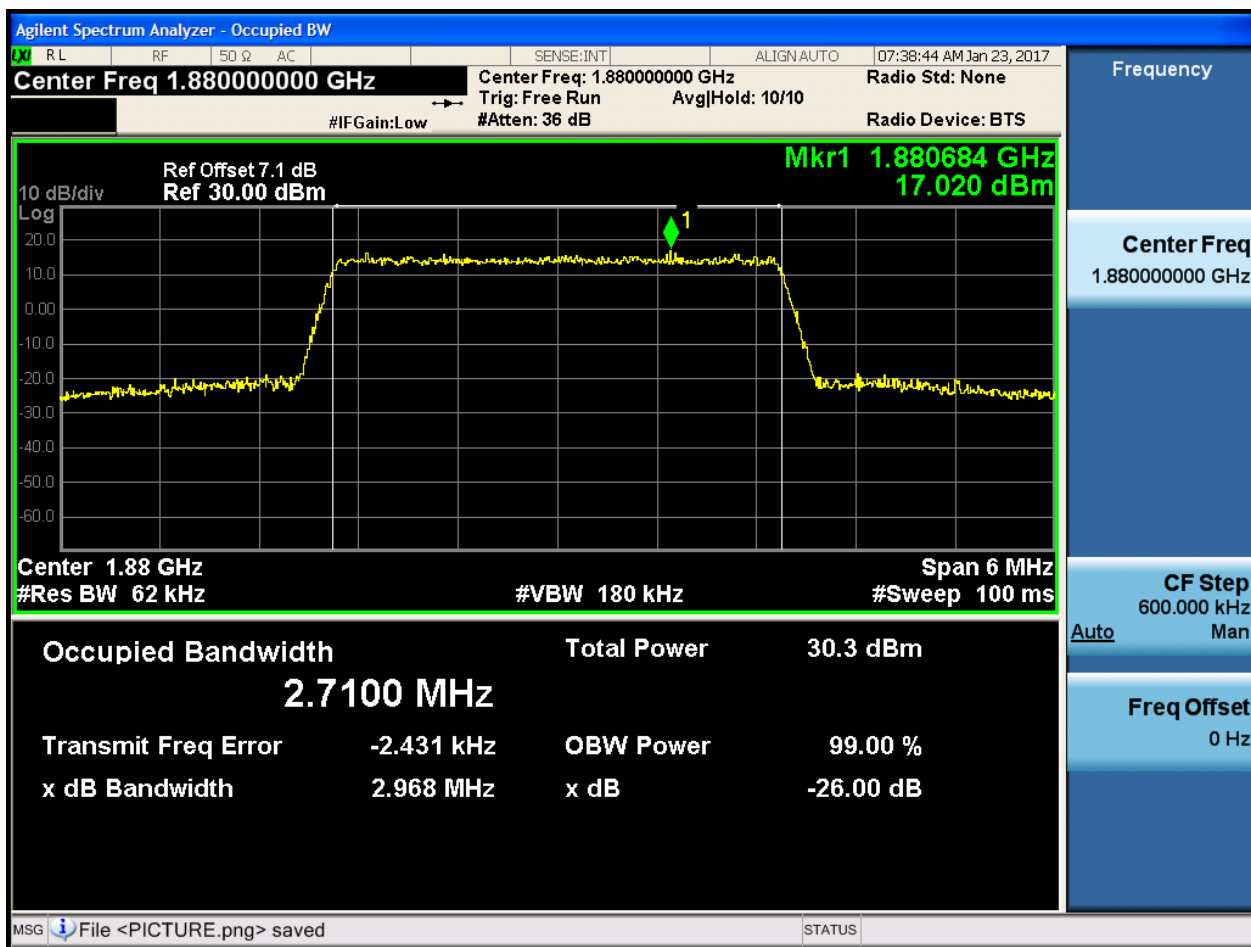
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

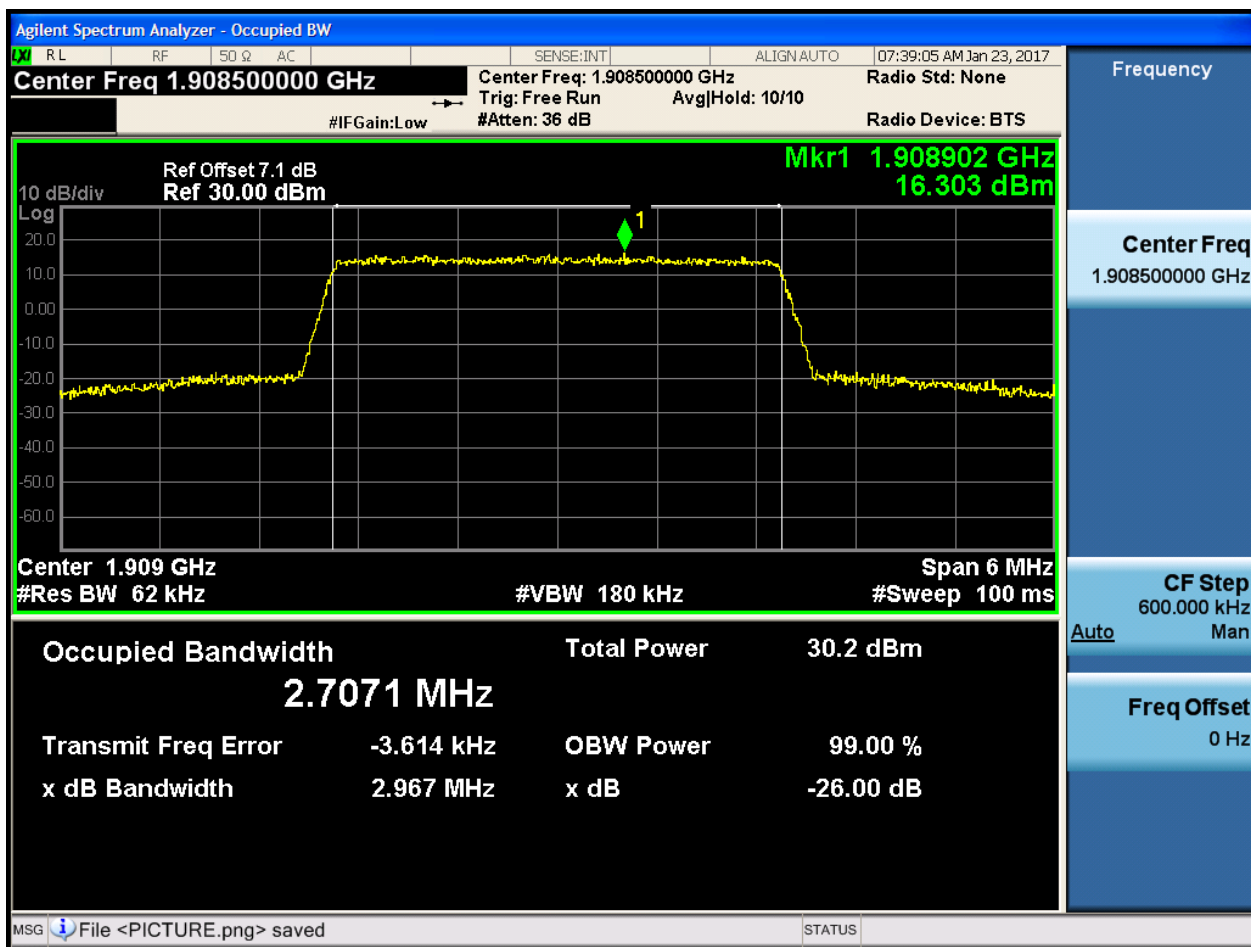
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

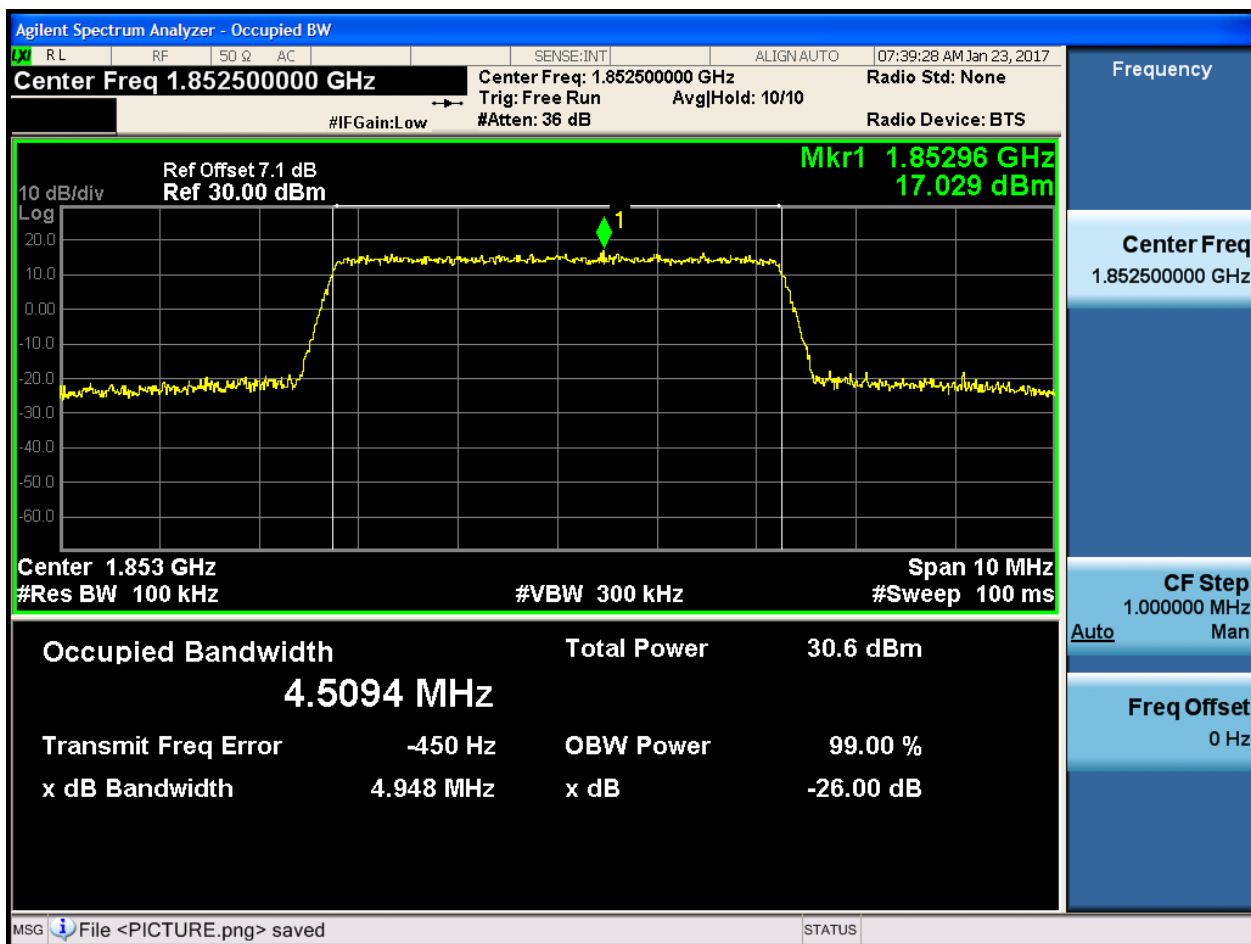




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

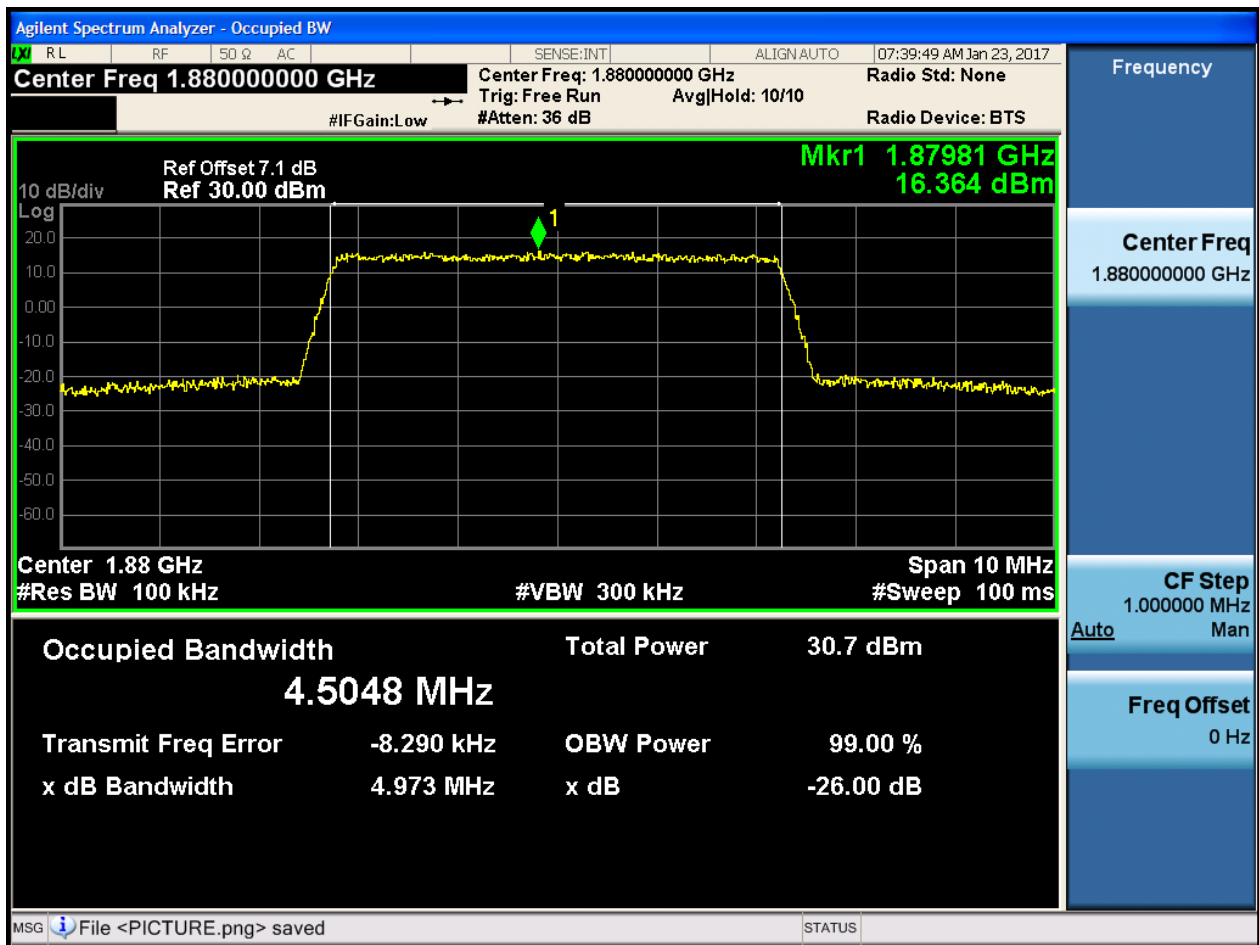
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

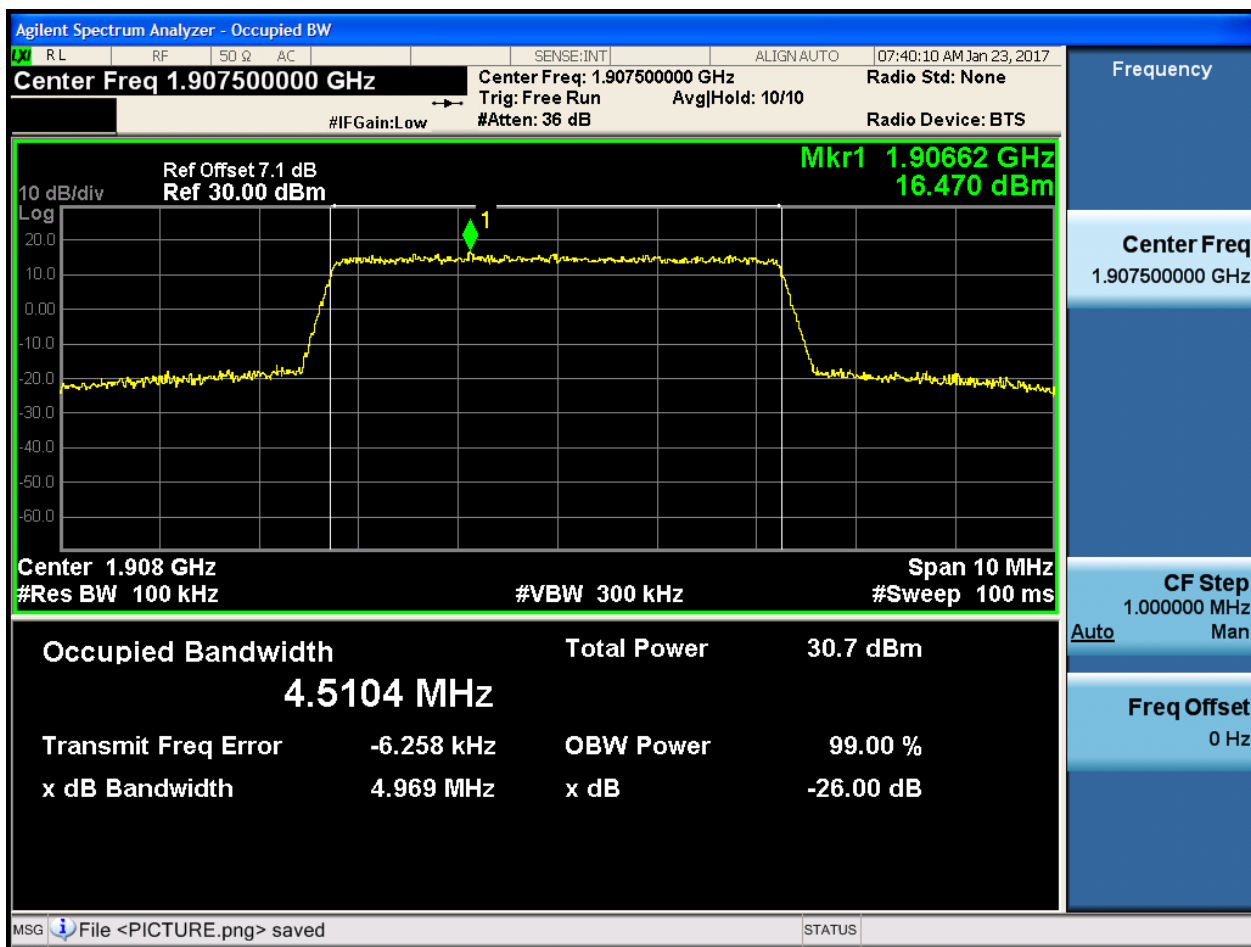
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

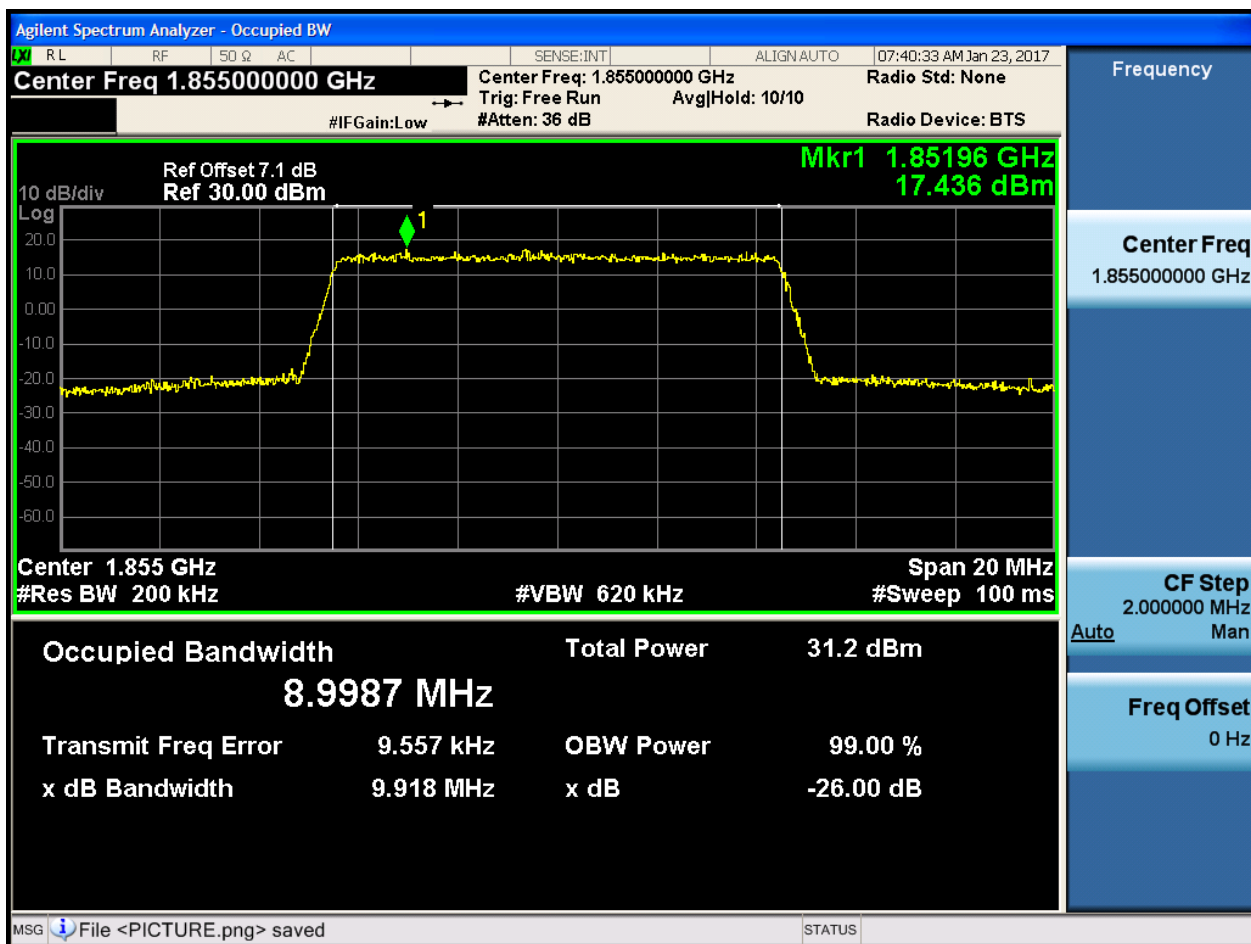




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

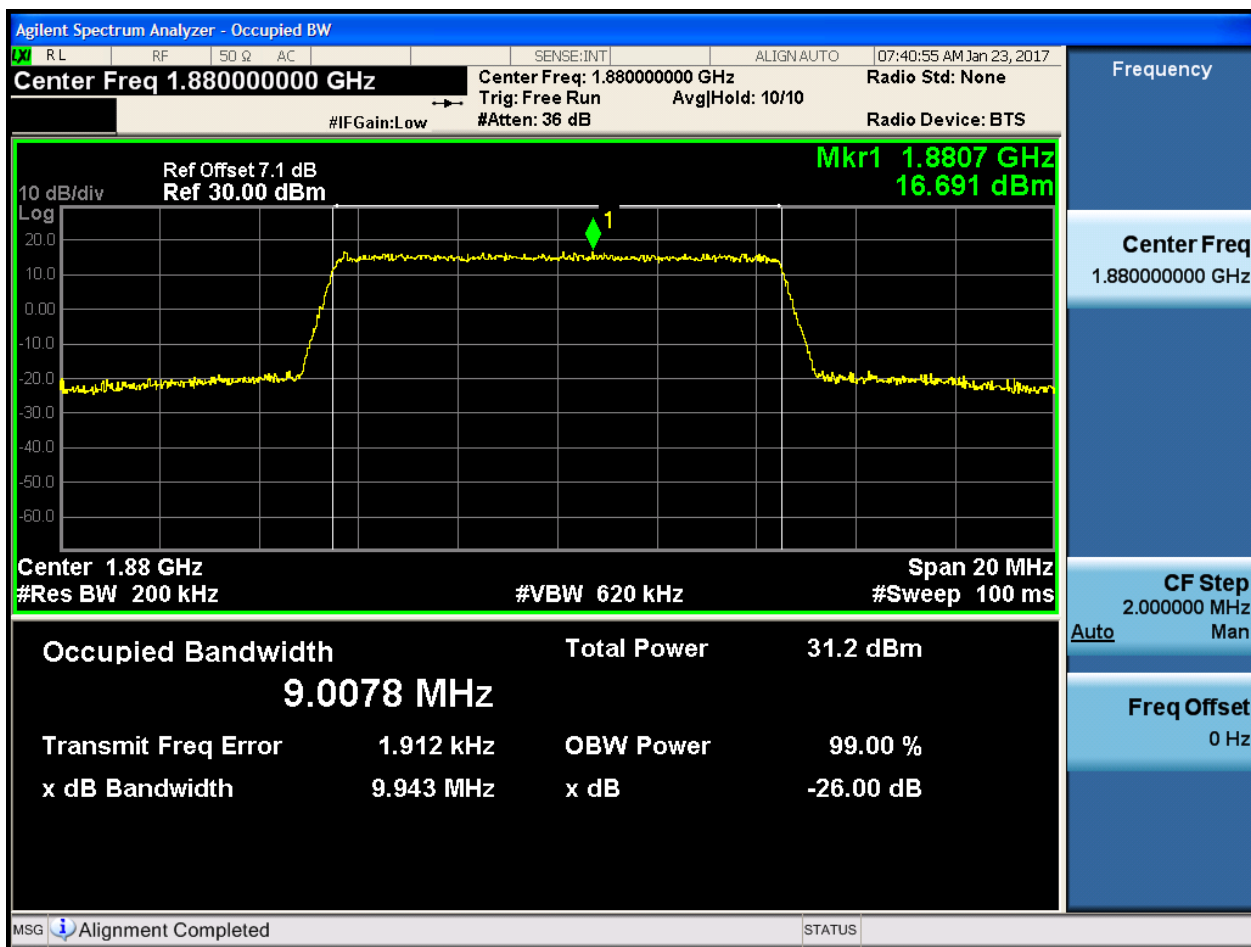
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

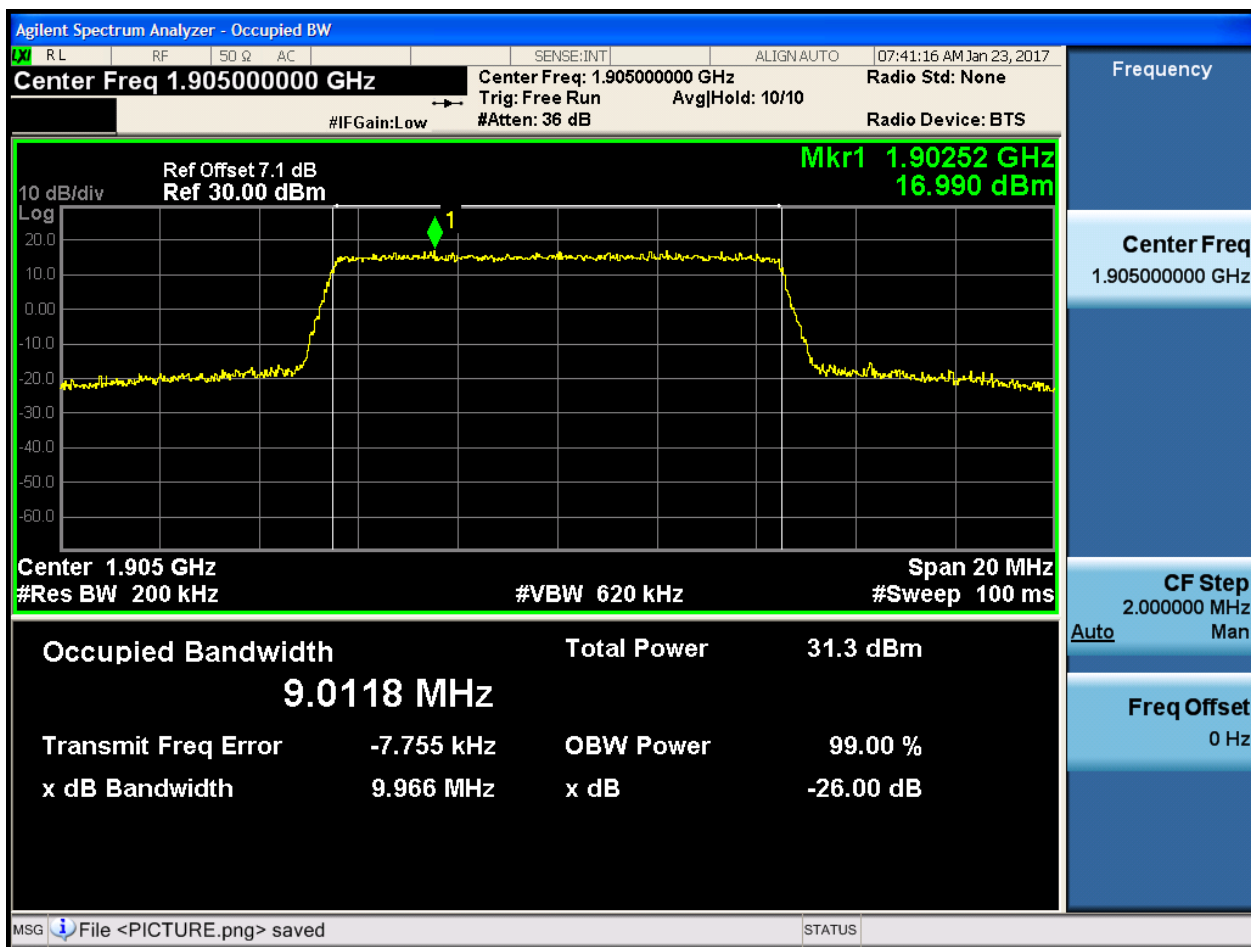
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

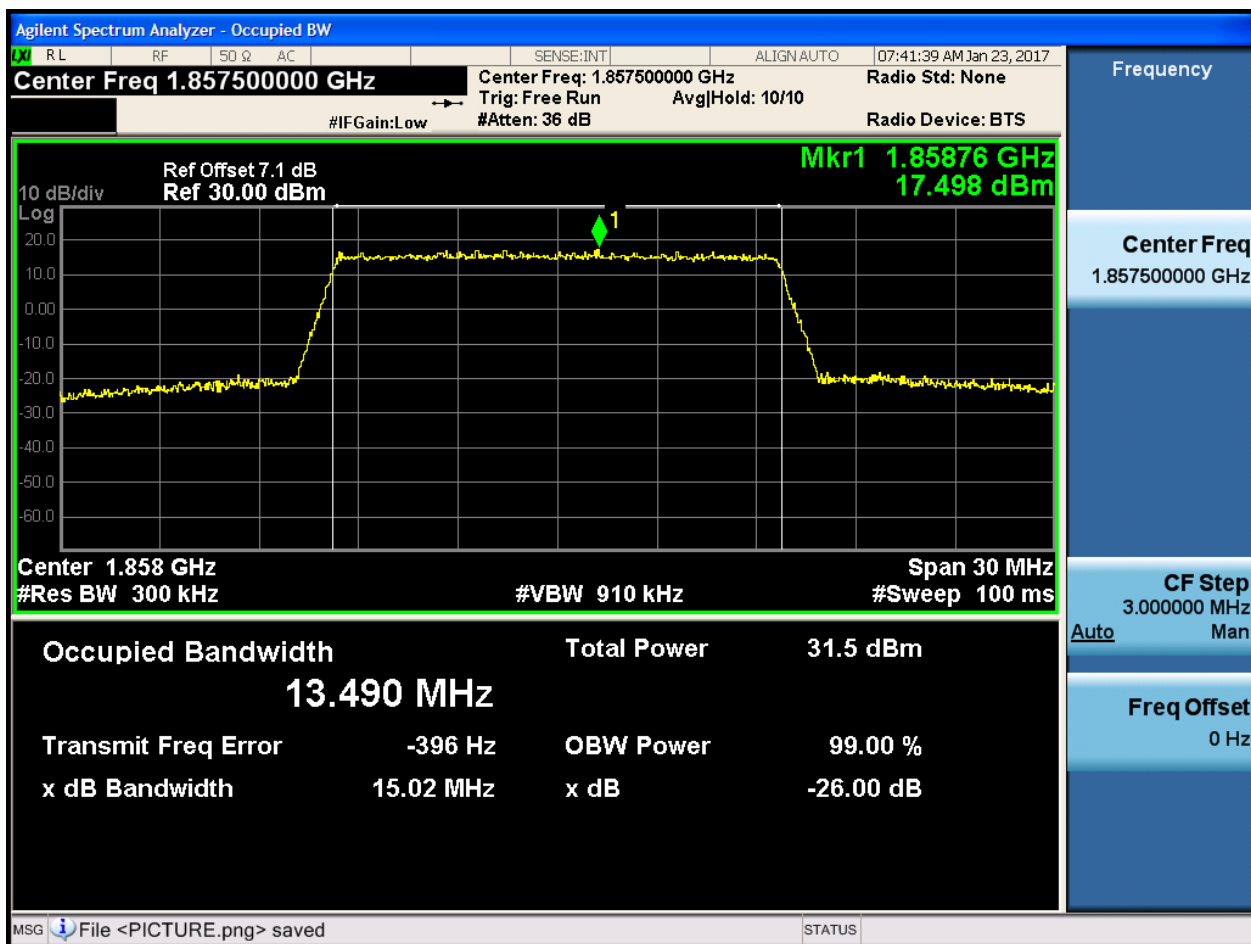




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

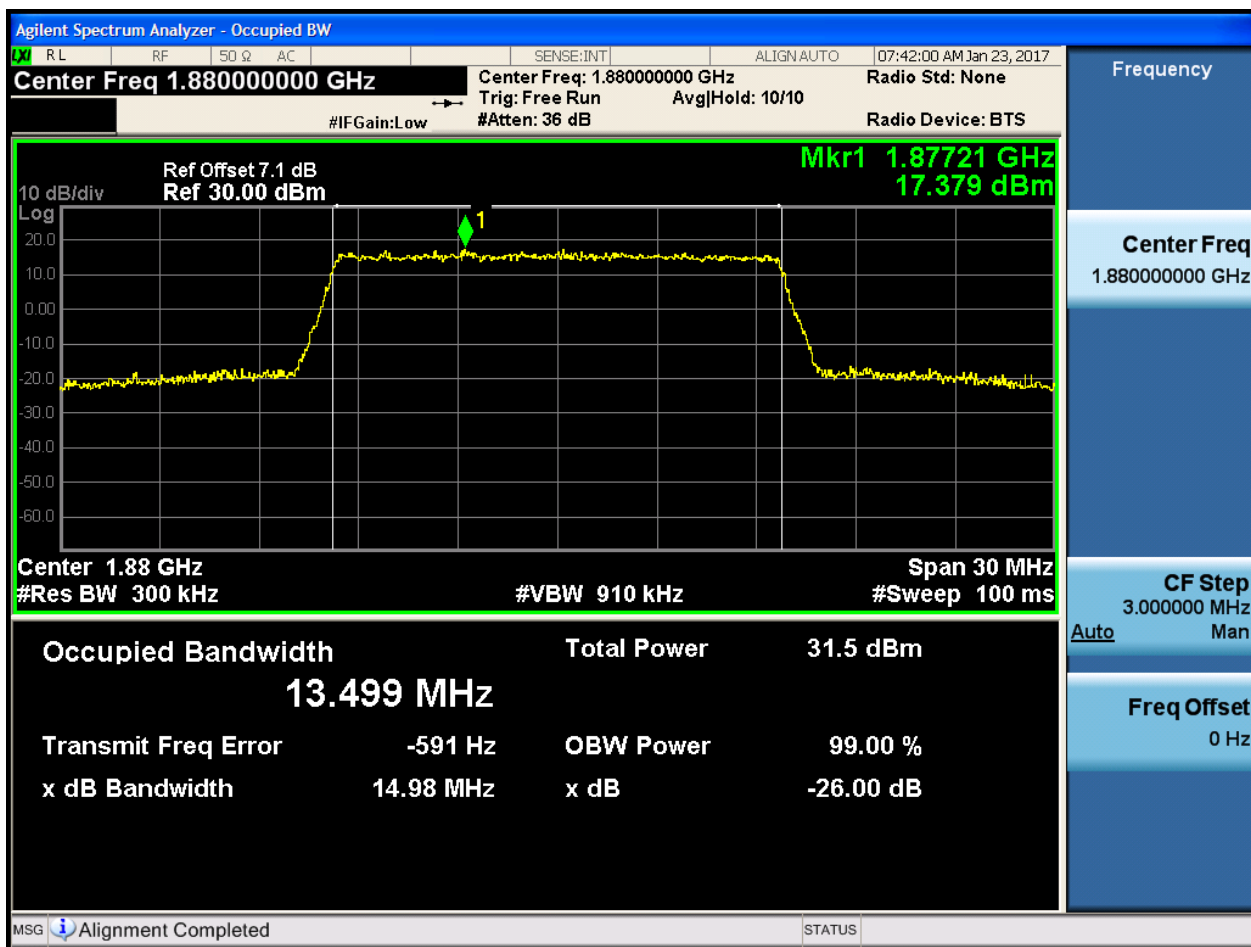
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

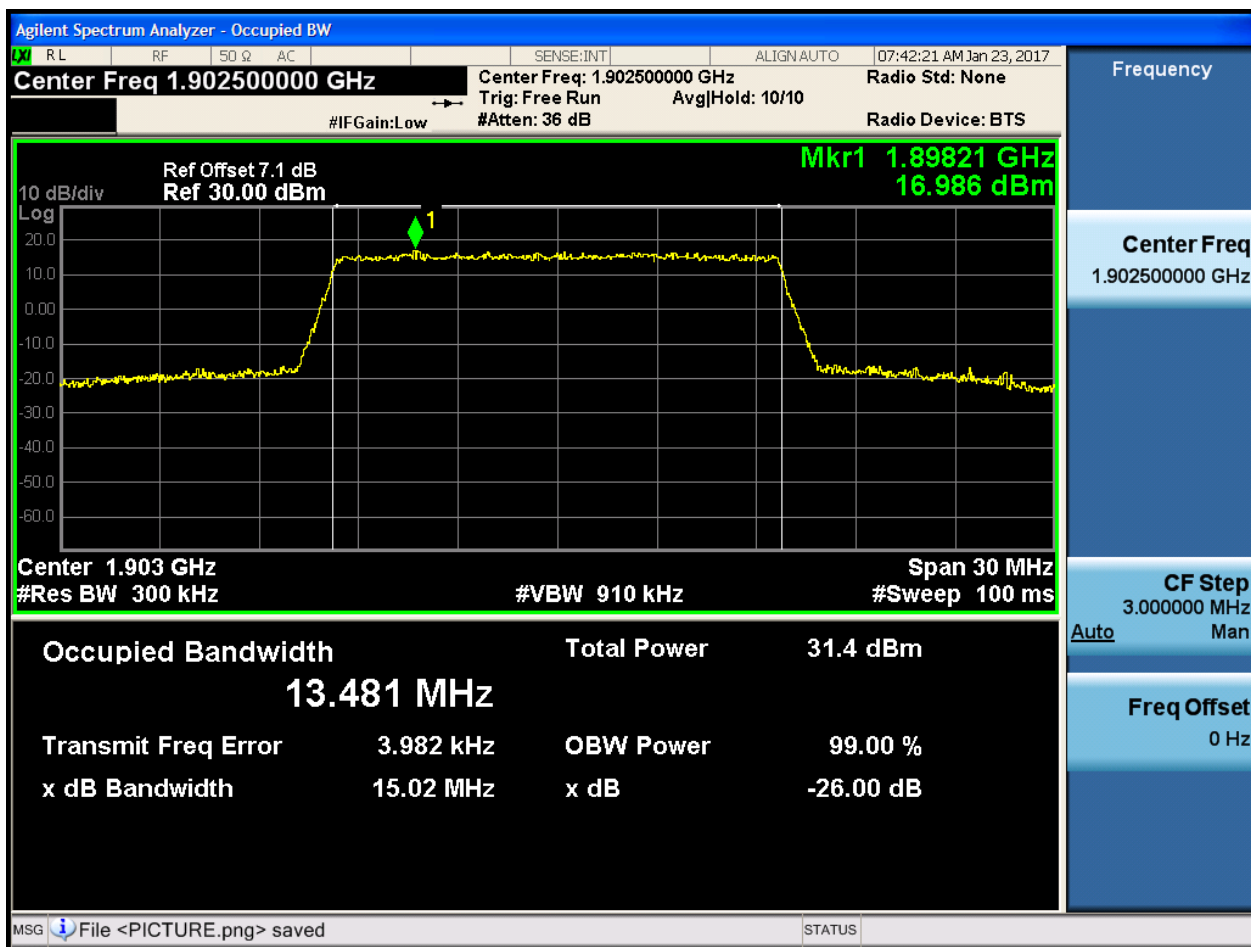
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

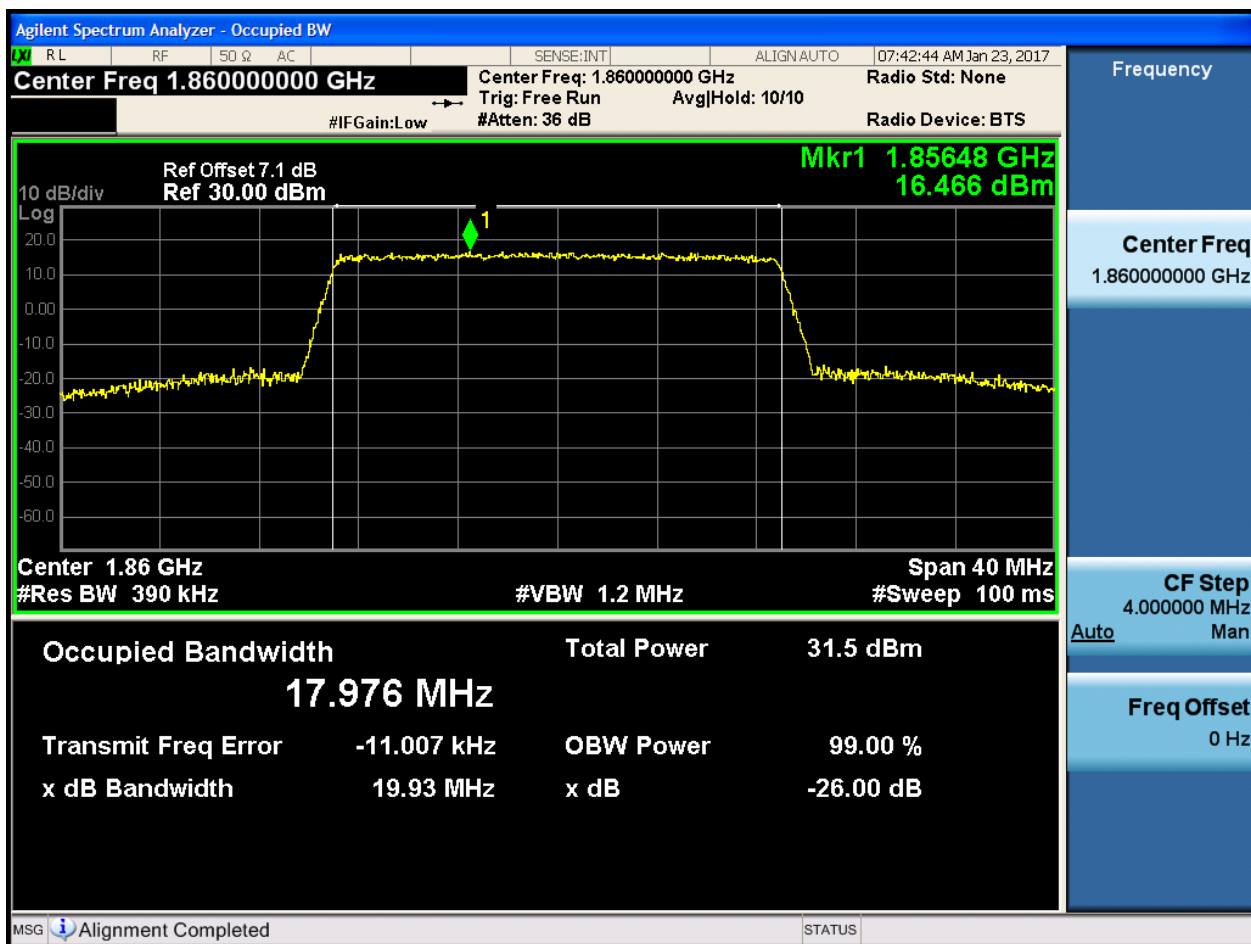




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

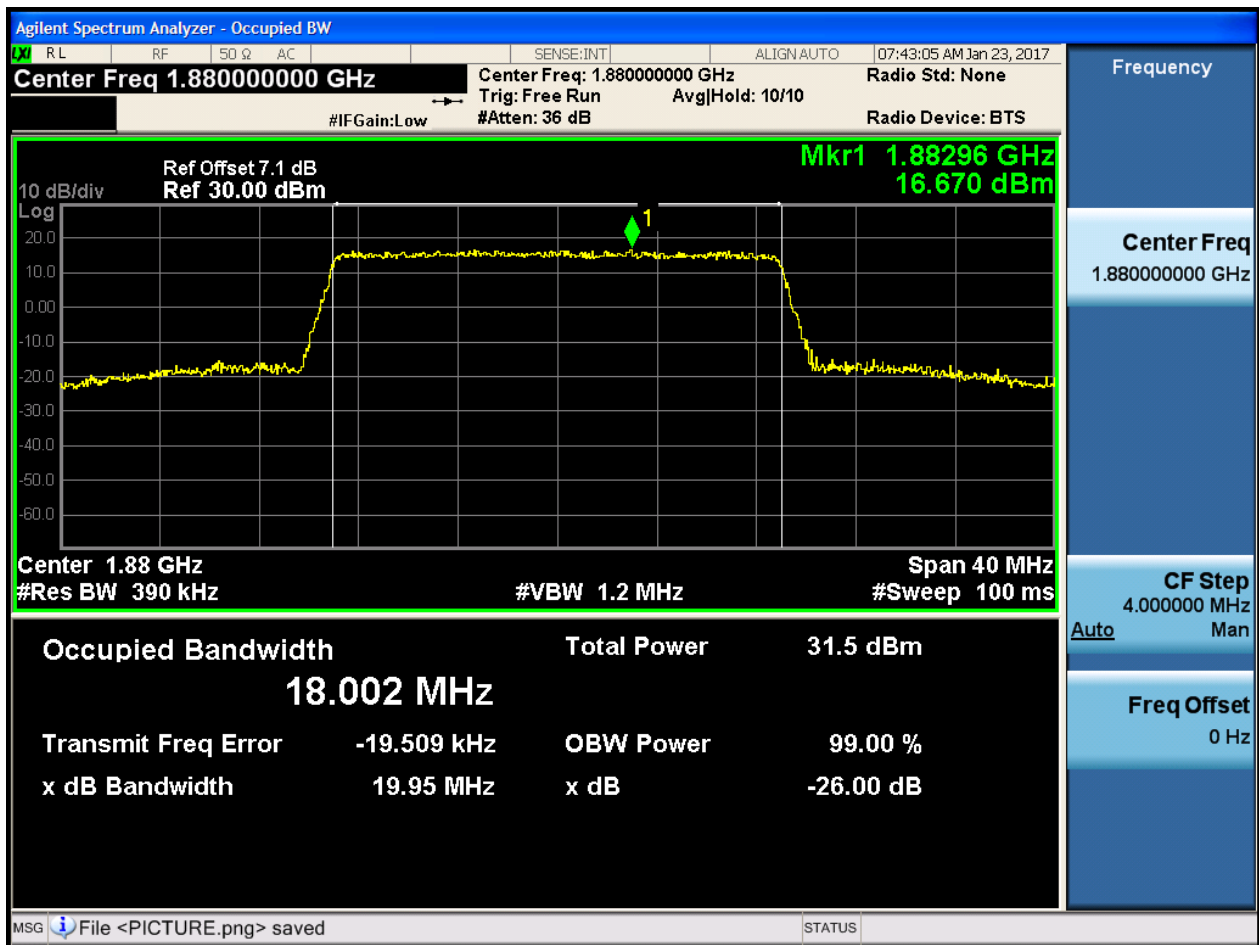
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

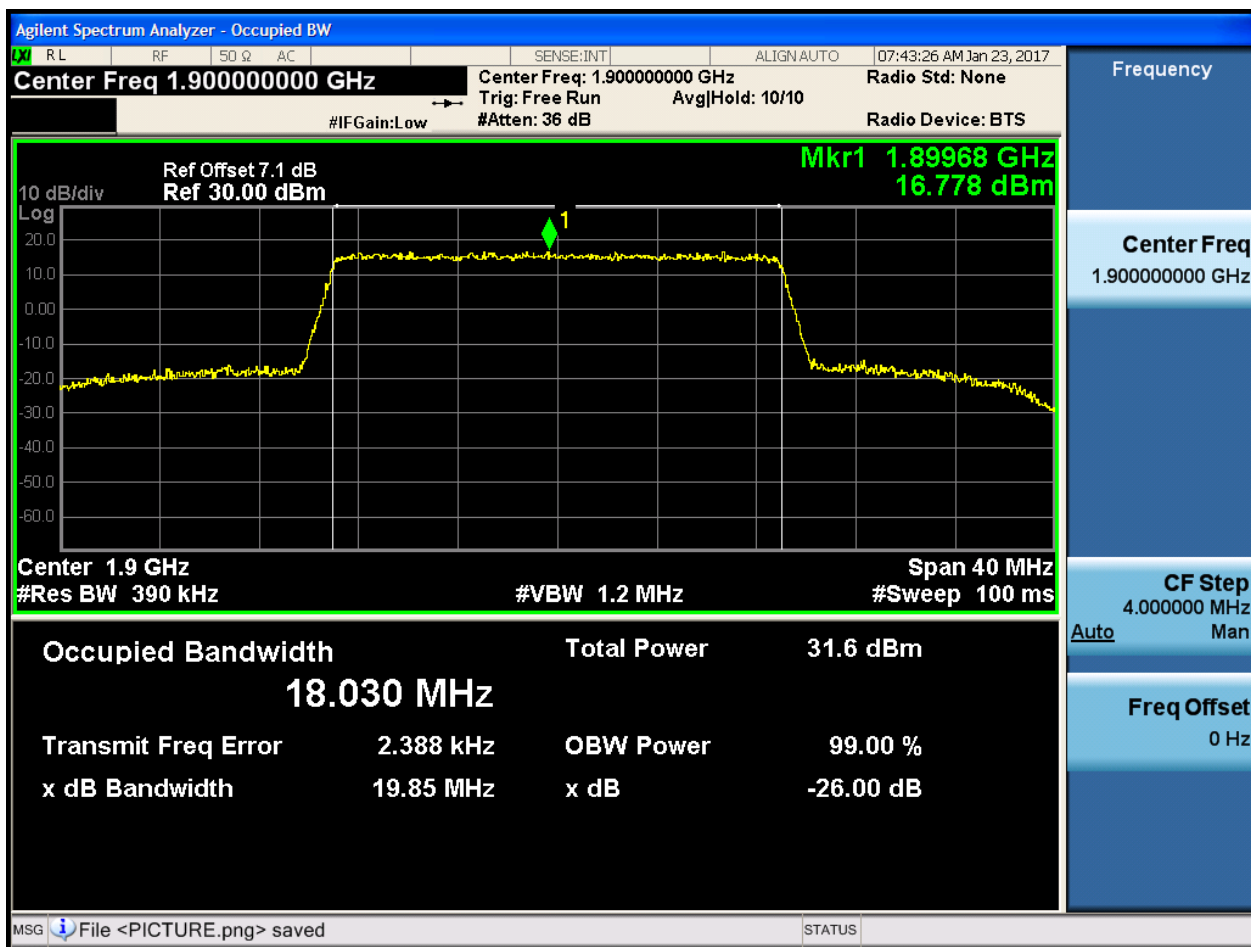
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0

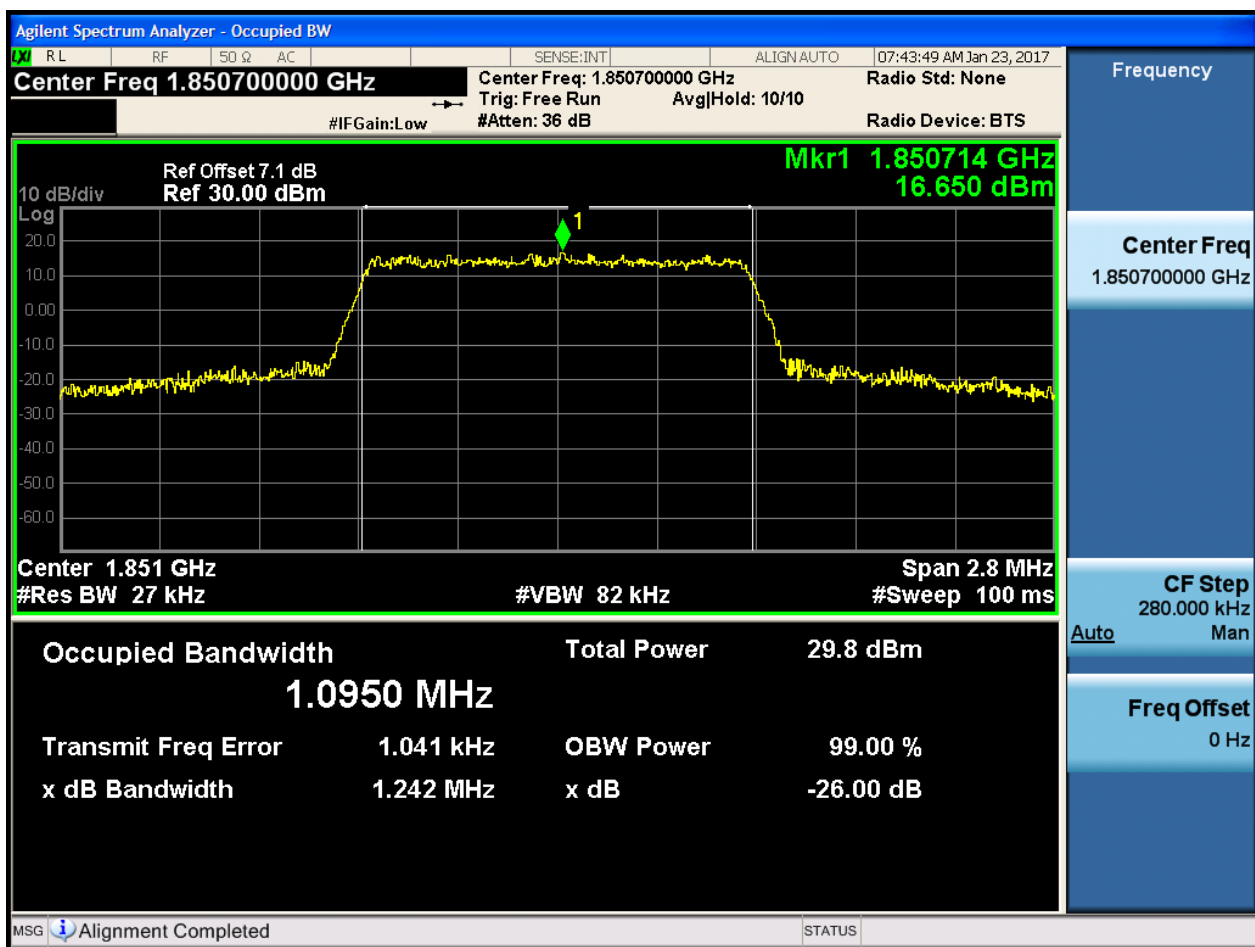


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

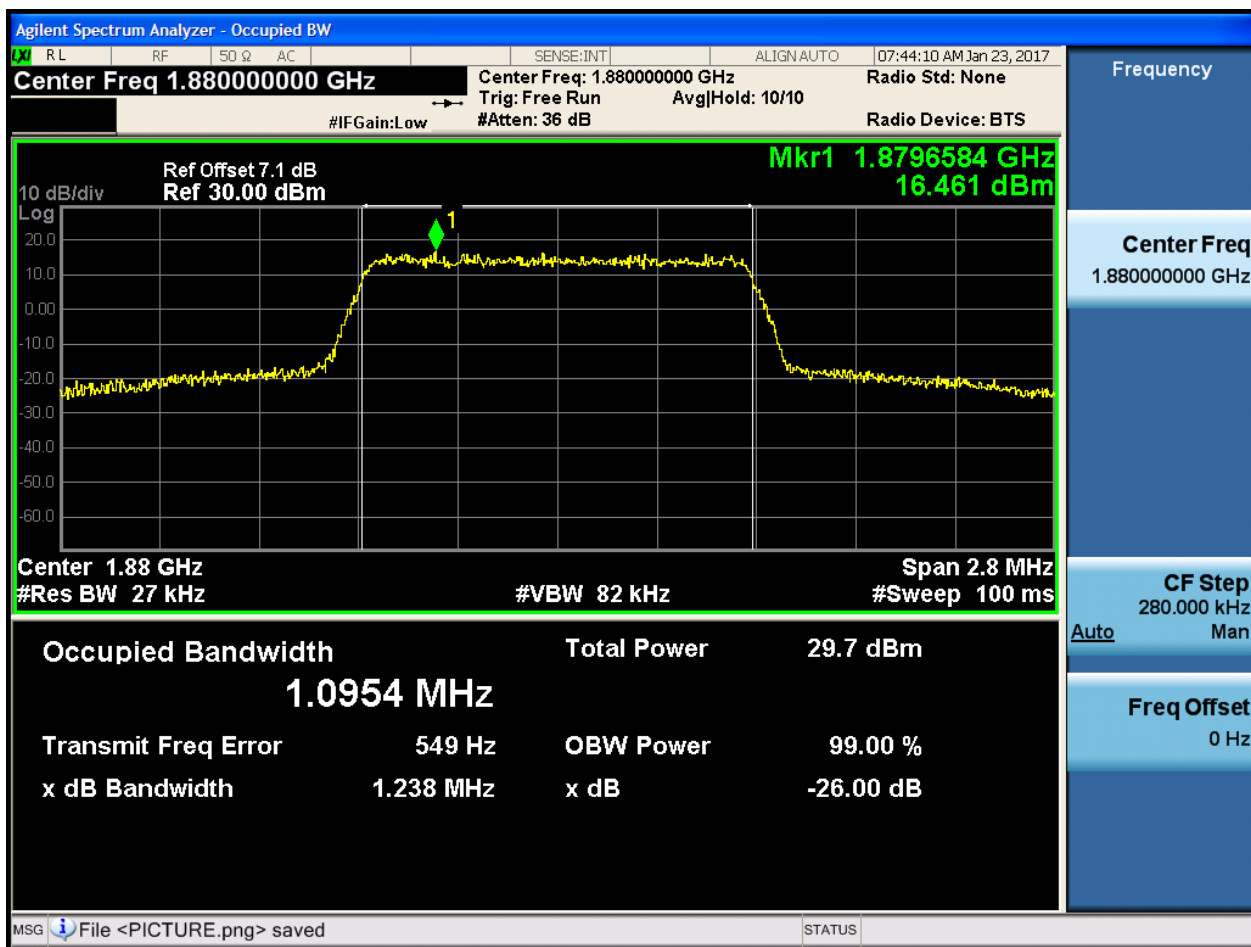
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

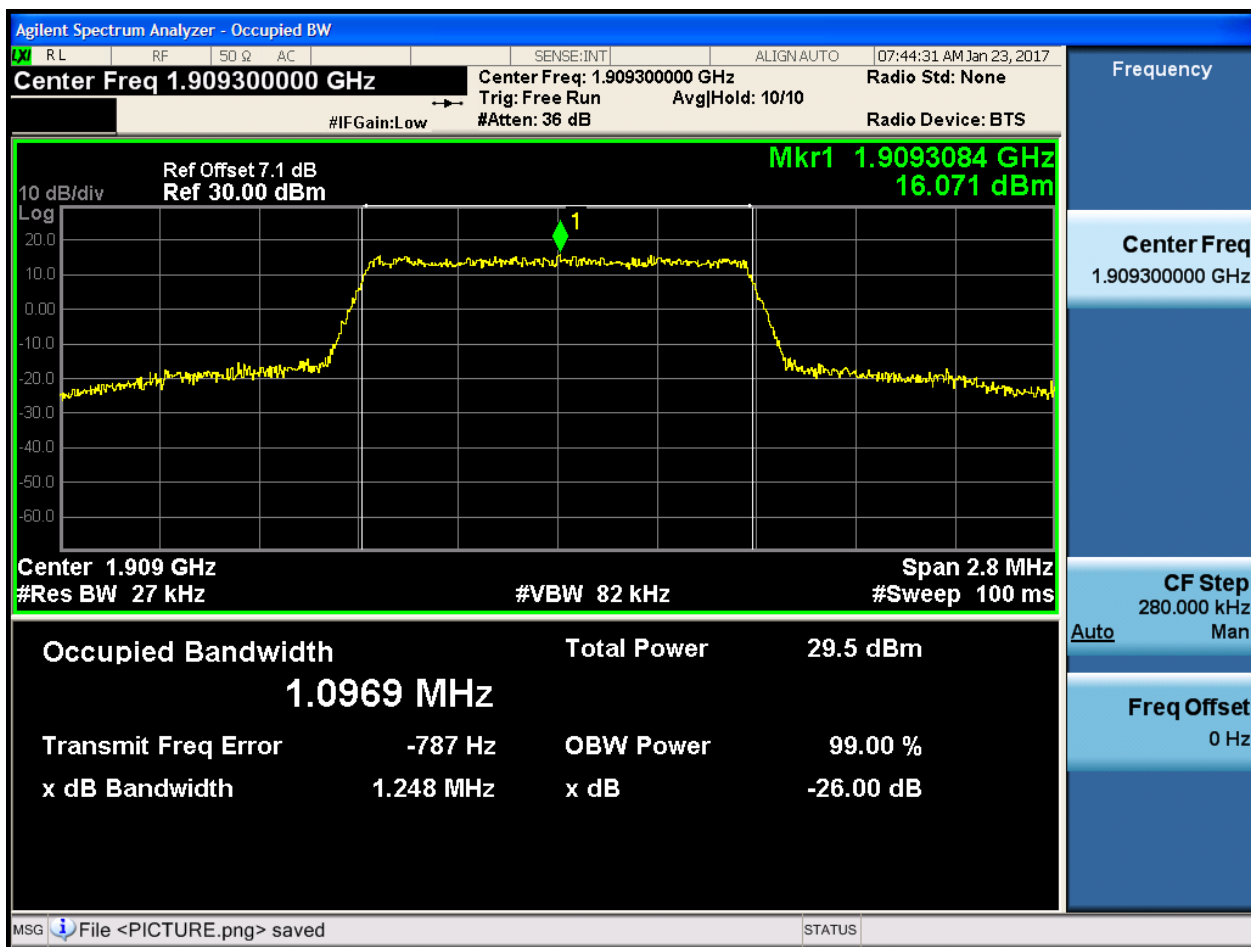
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

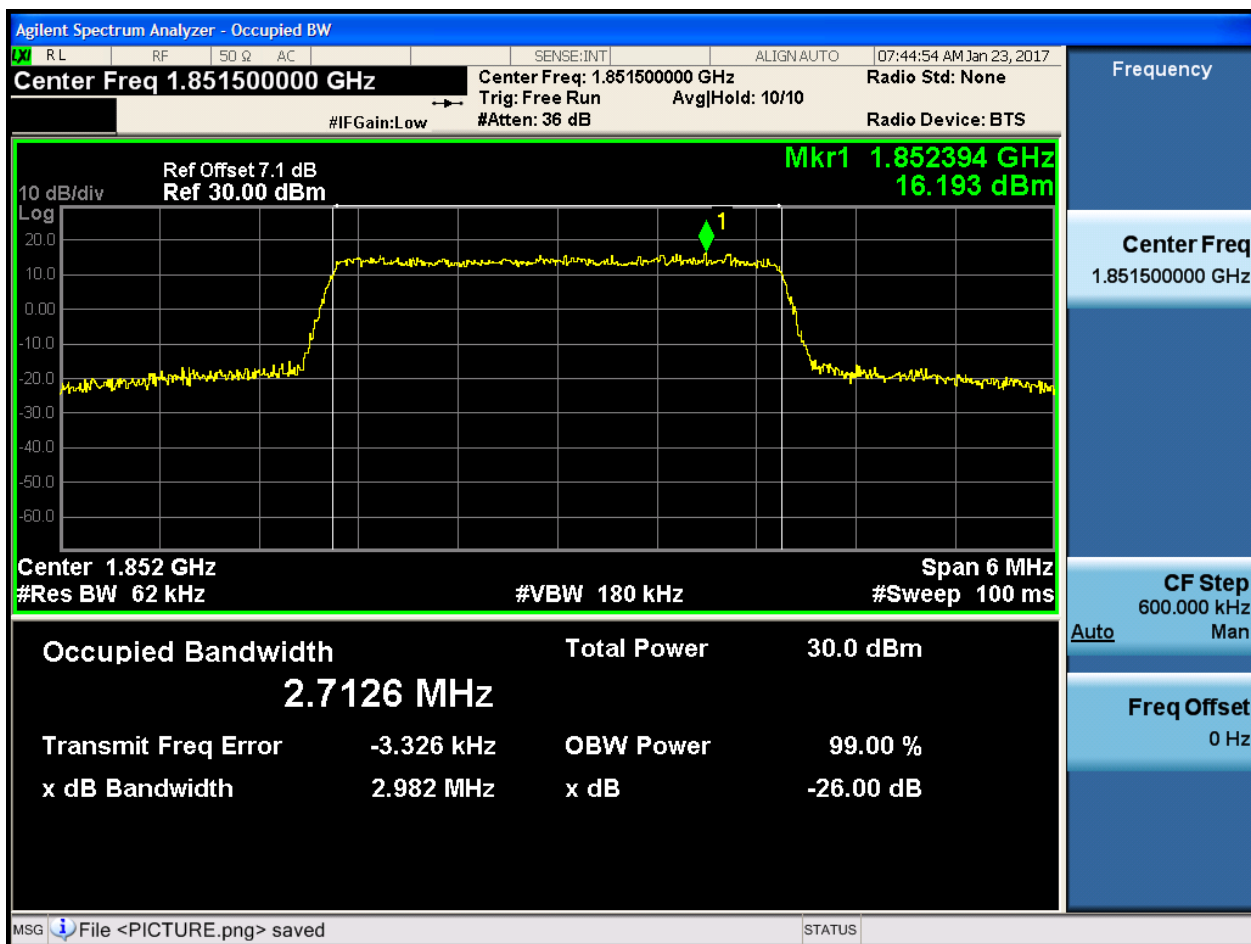




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

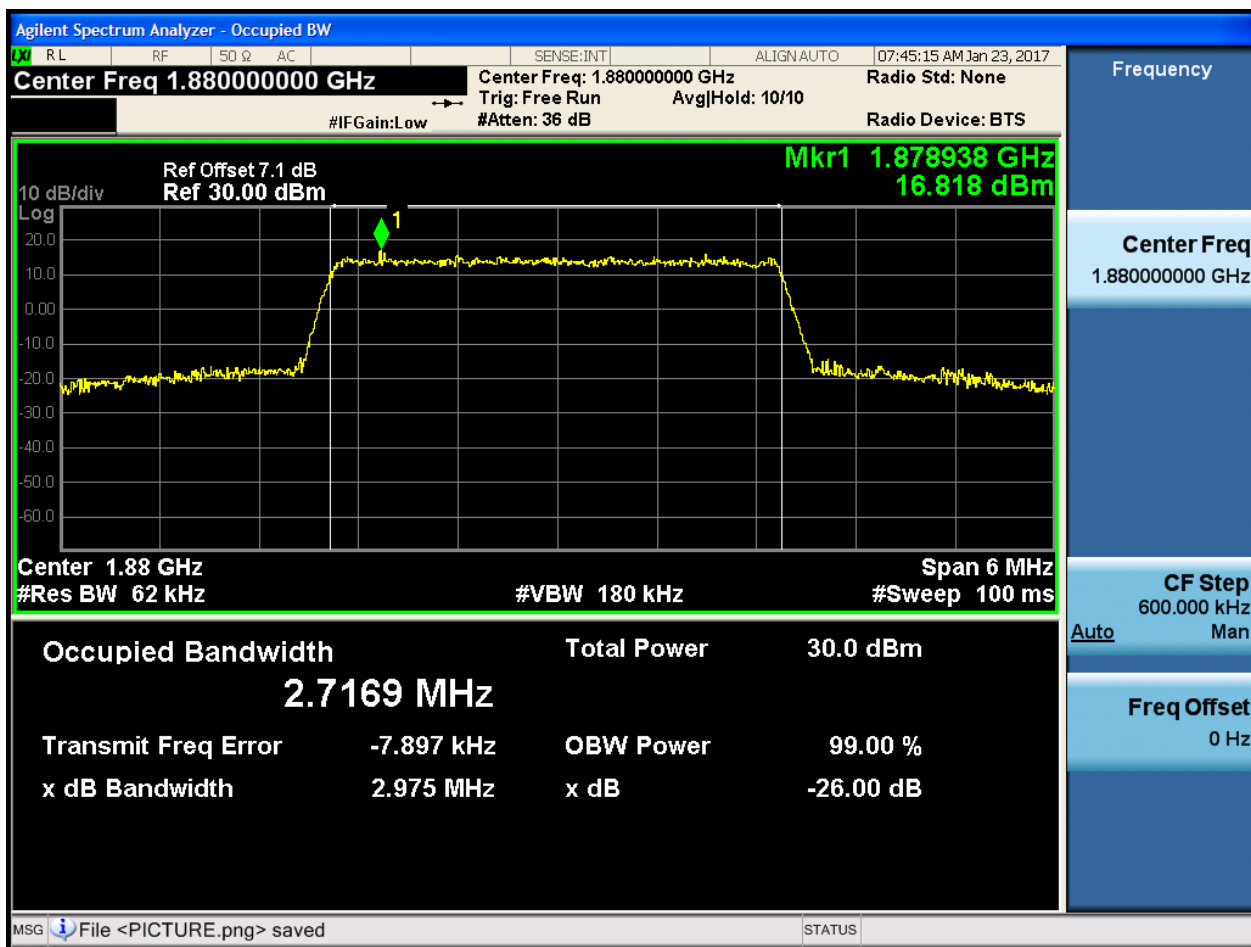
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

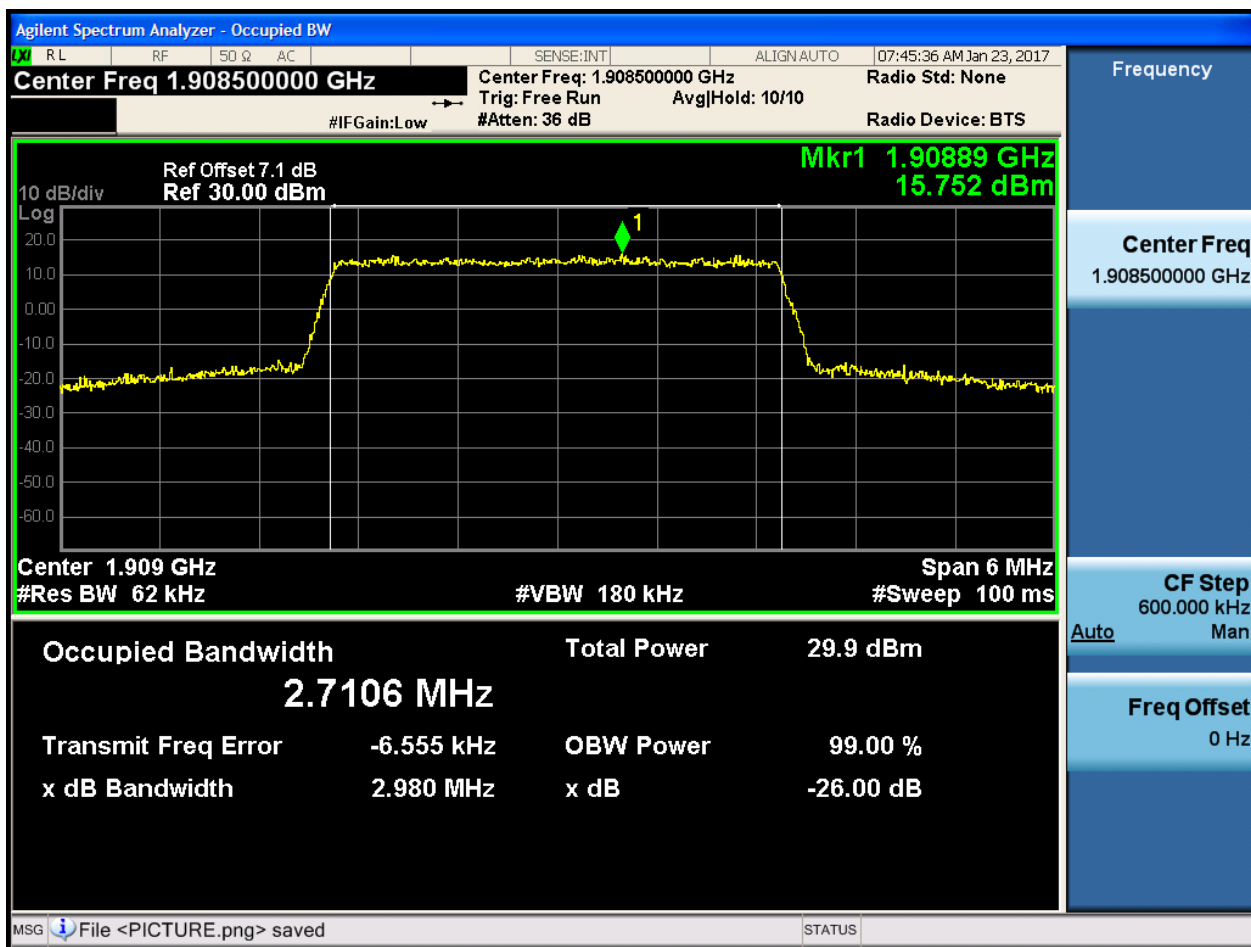
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

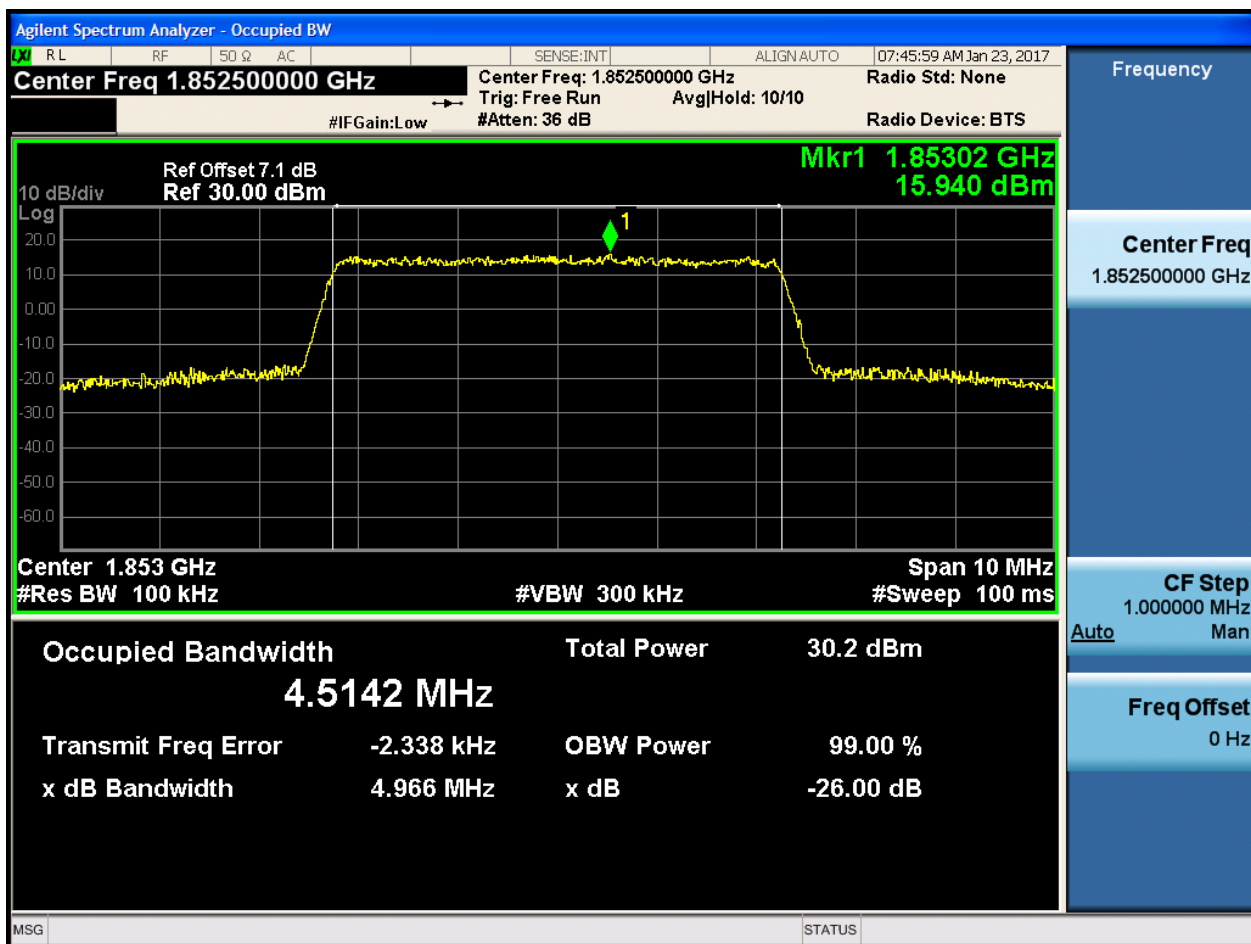




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

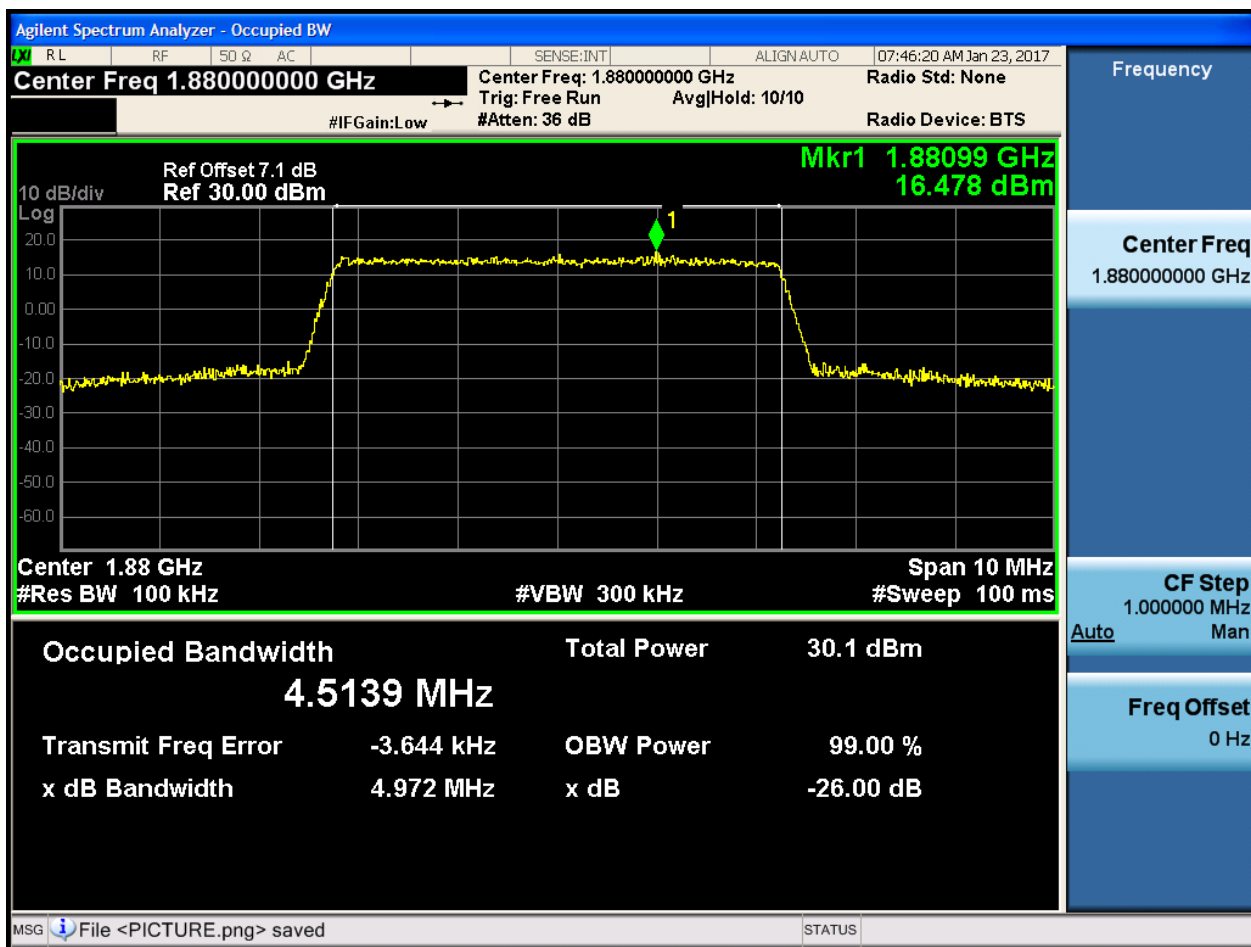
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

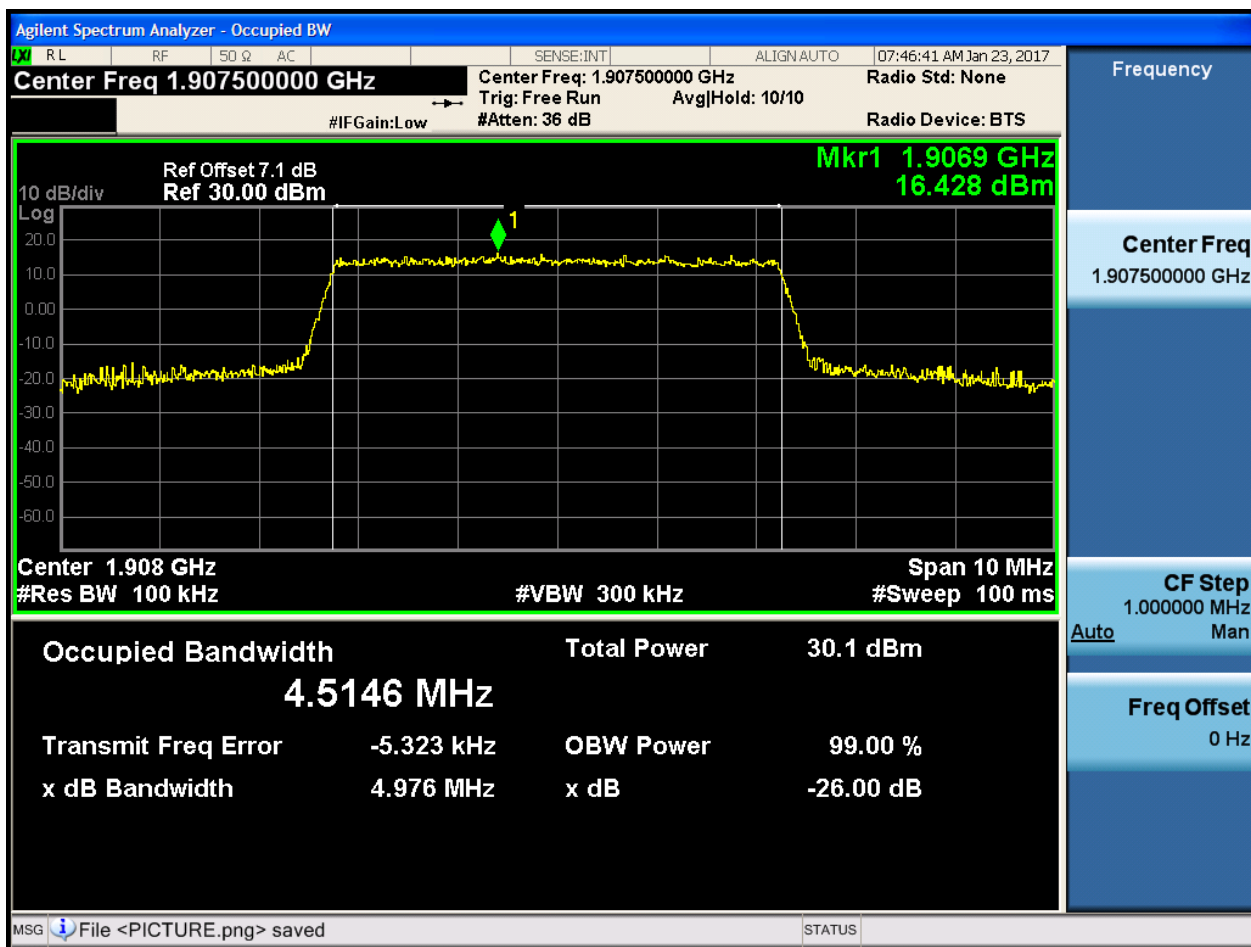
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

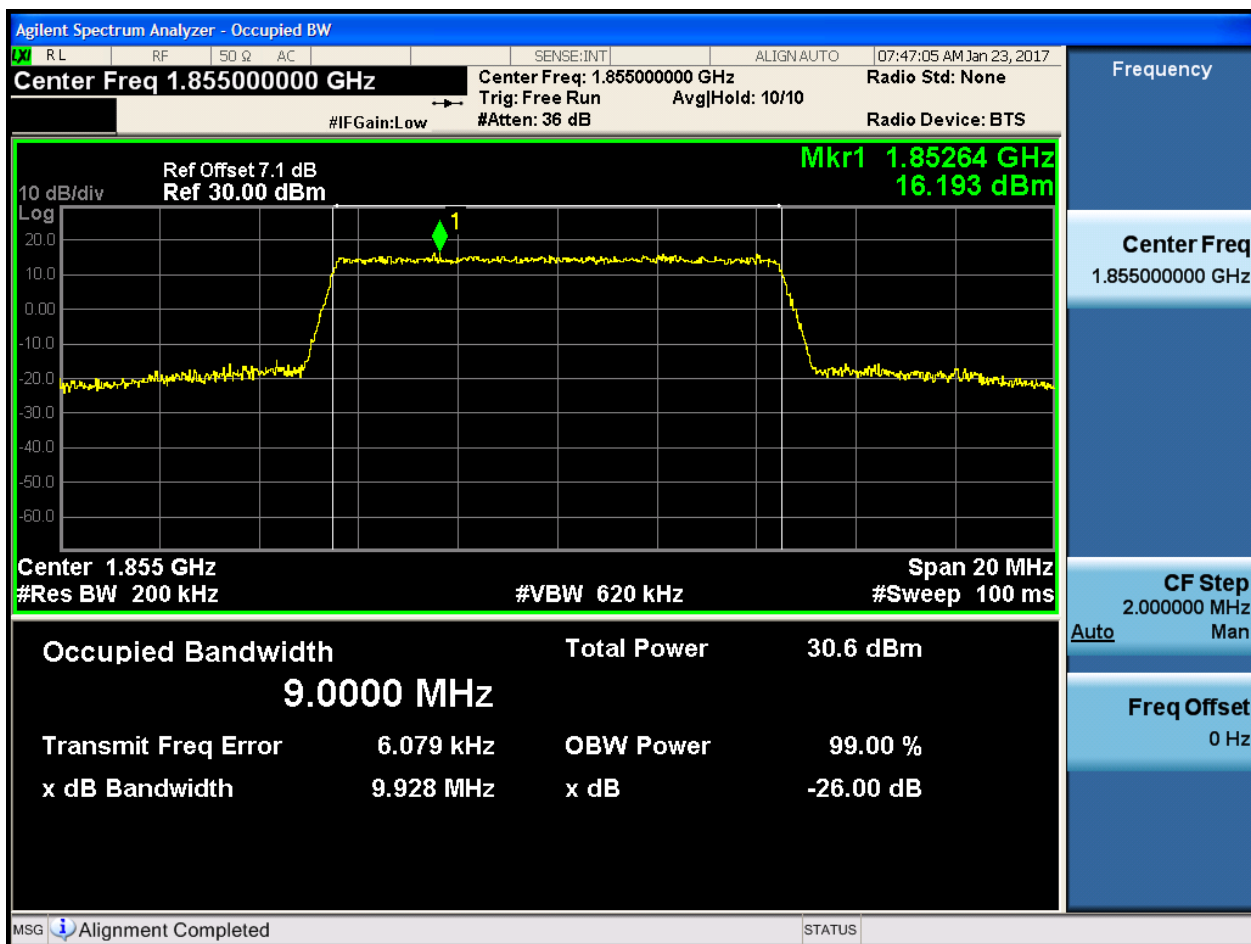




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

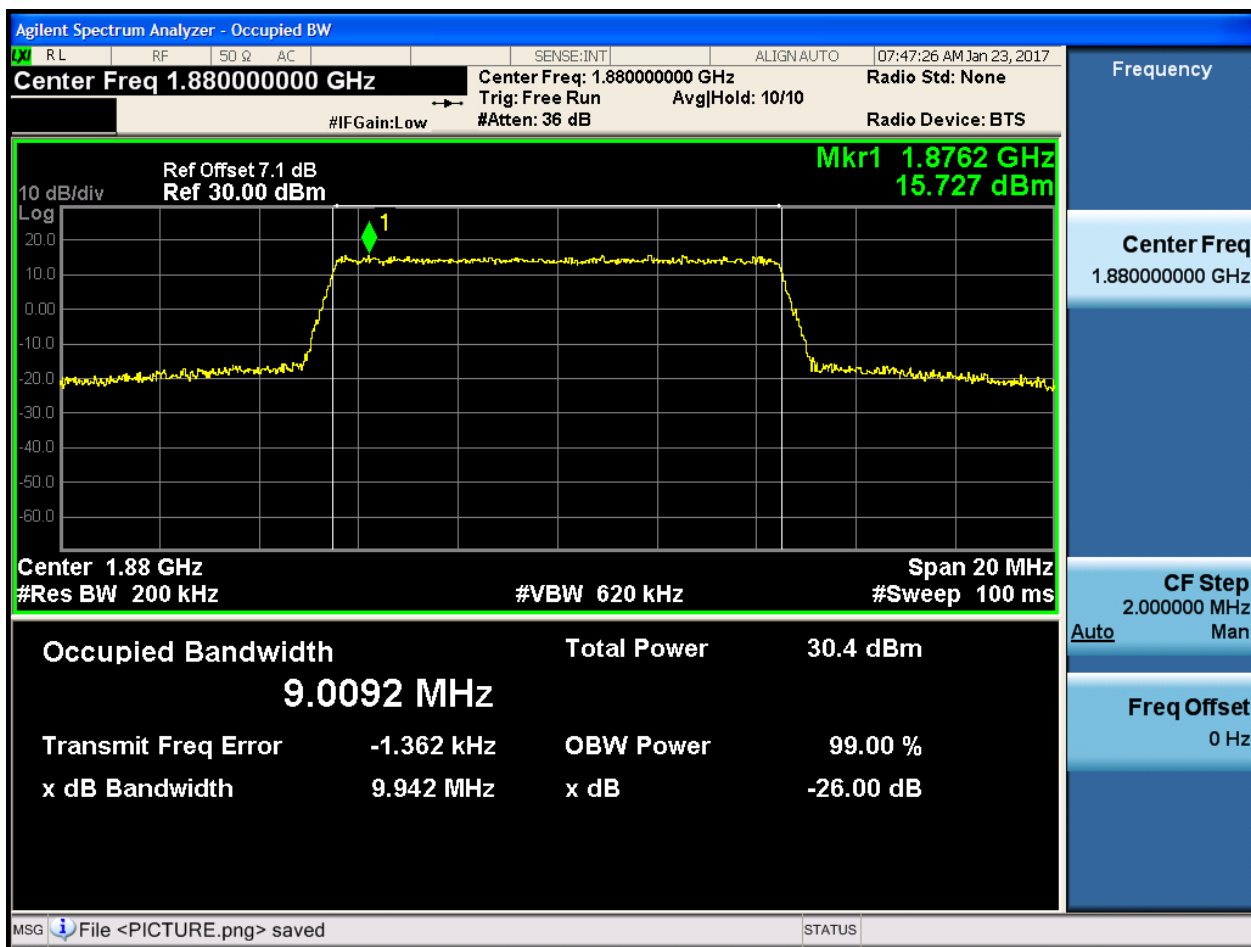
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

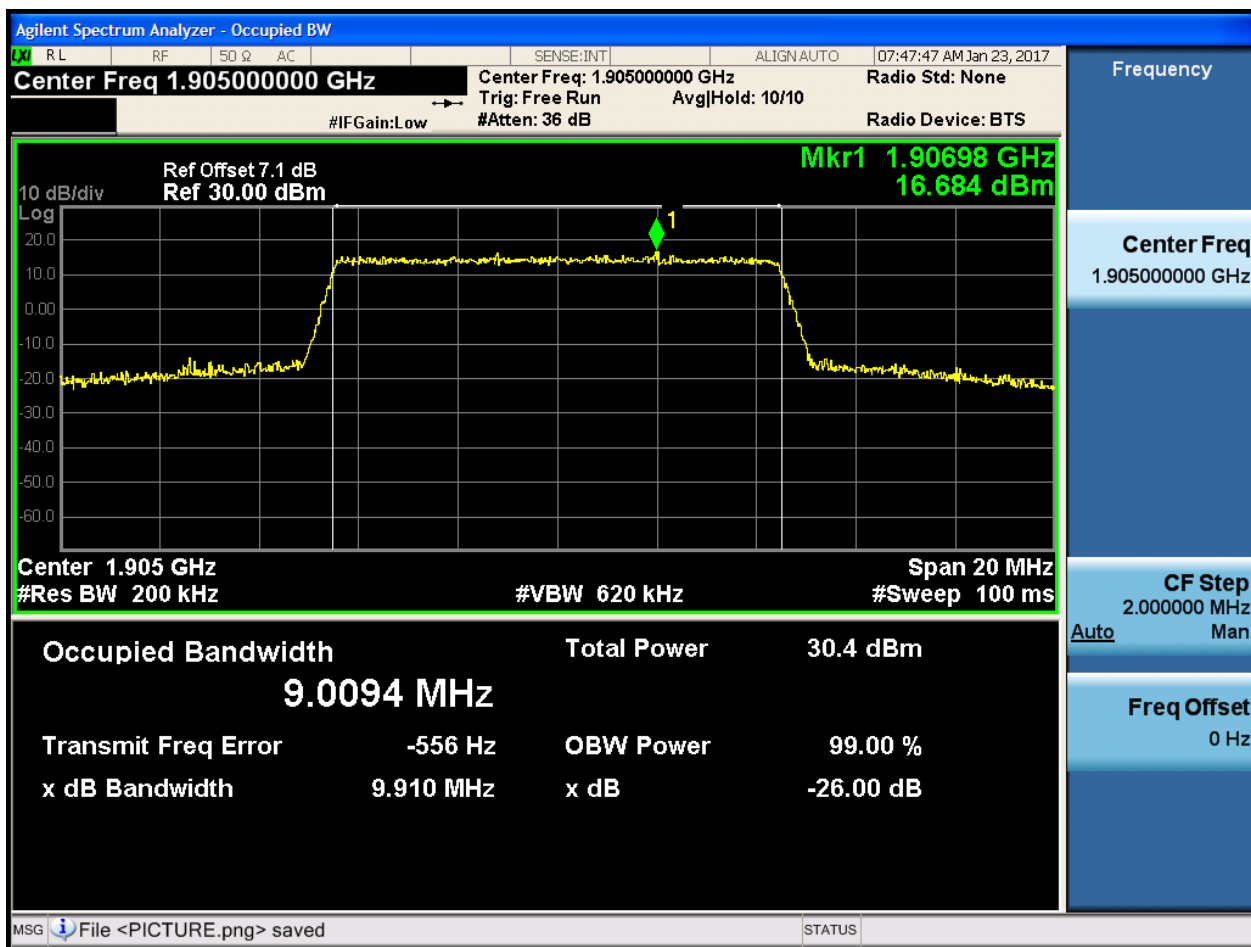
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

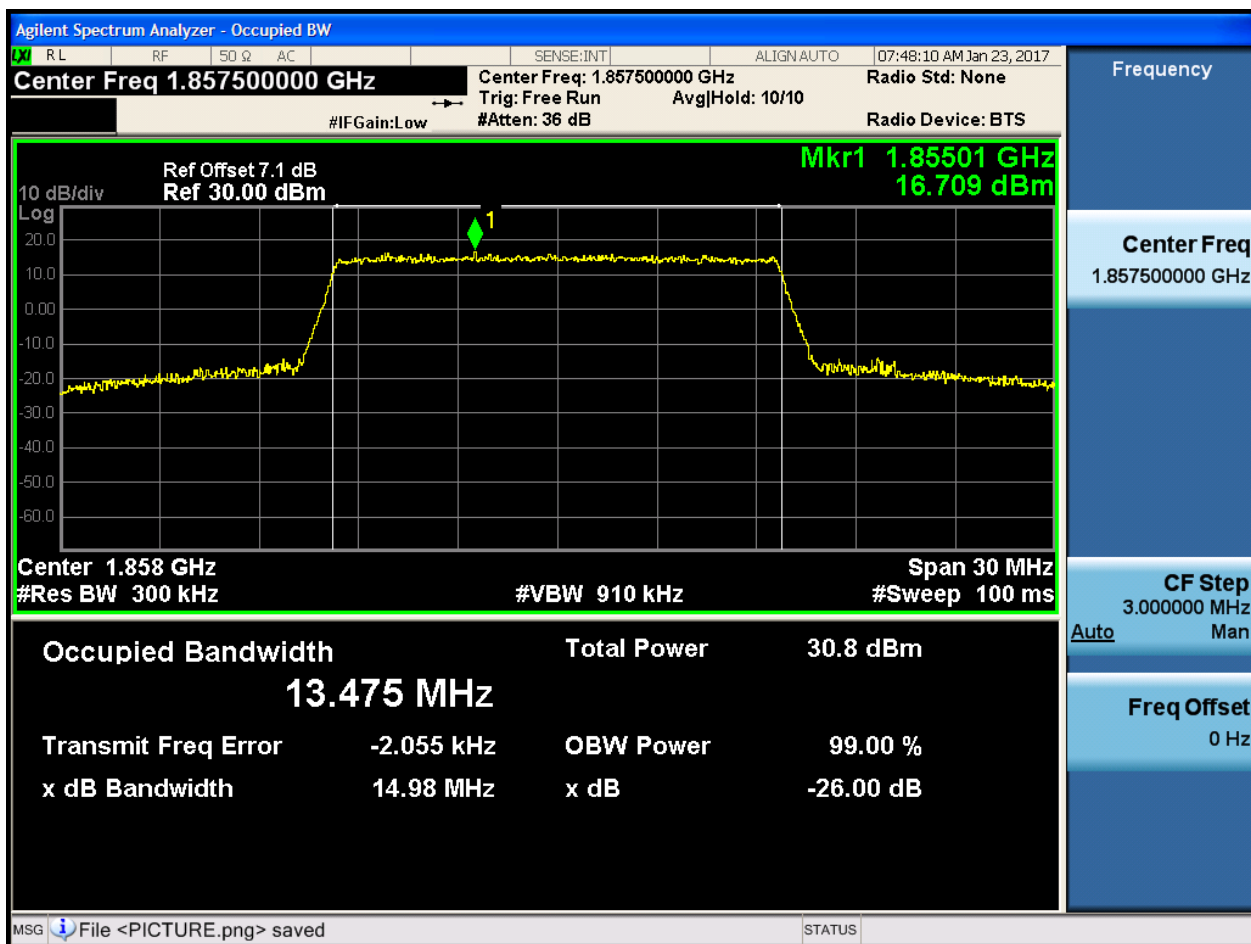




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

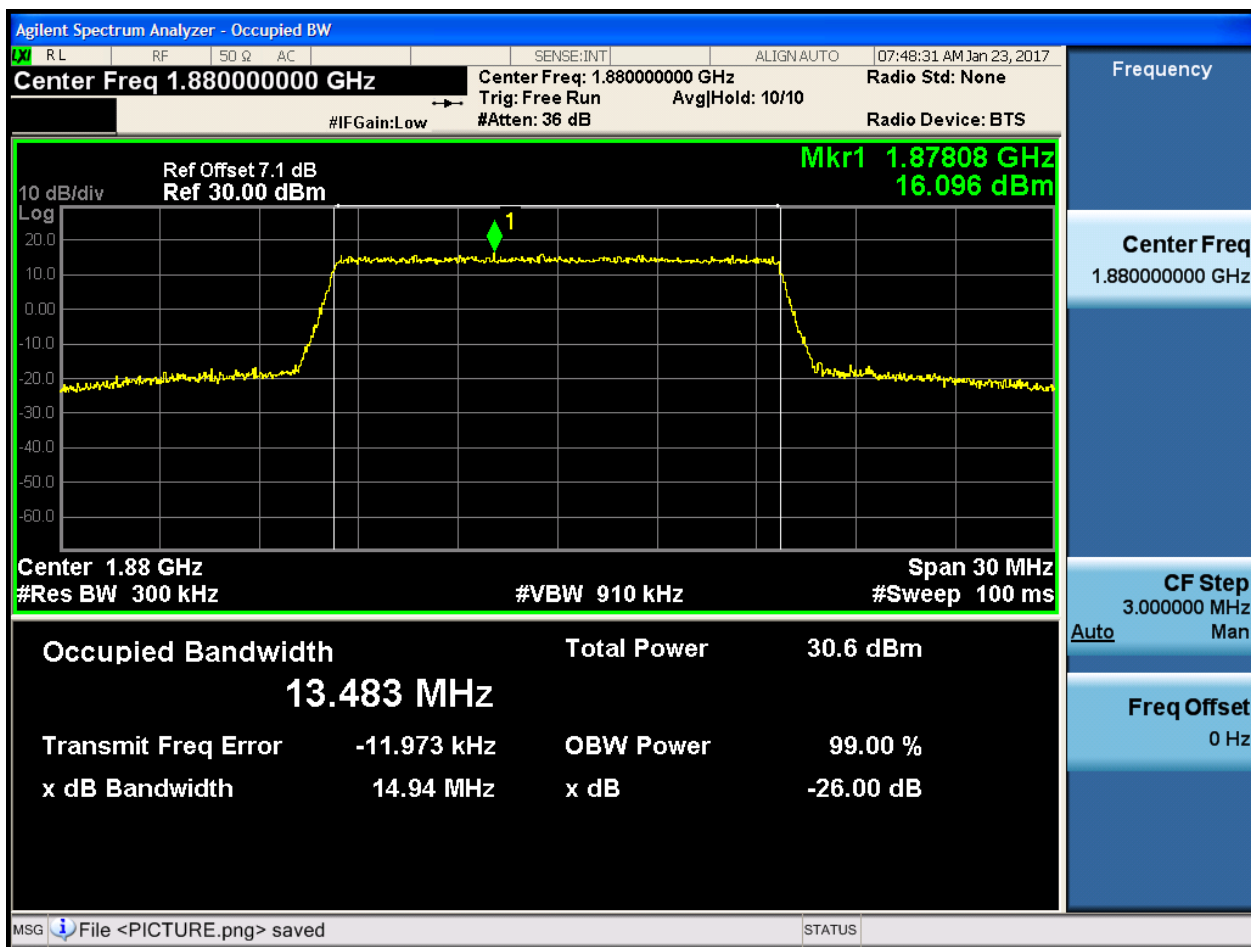
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

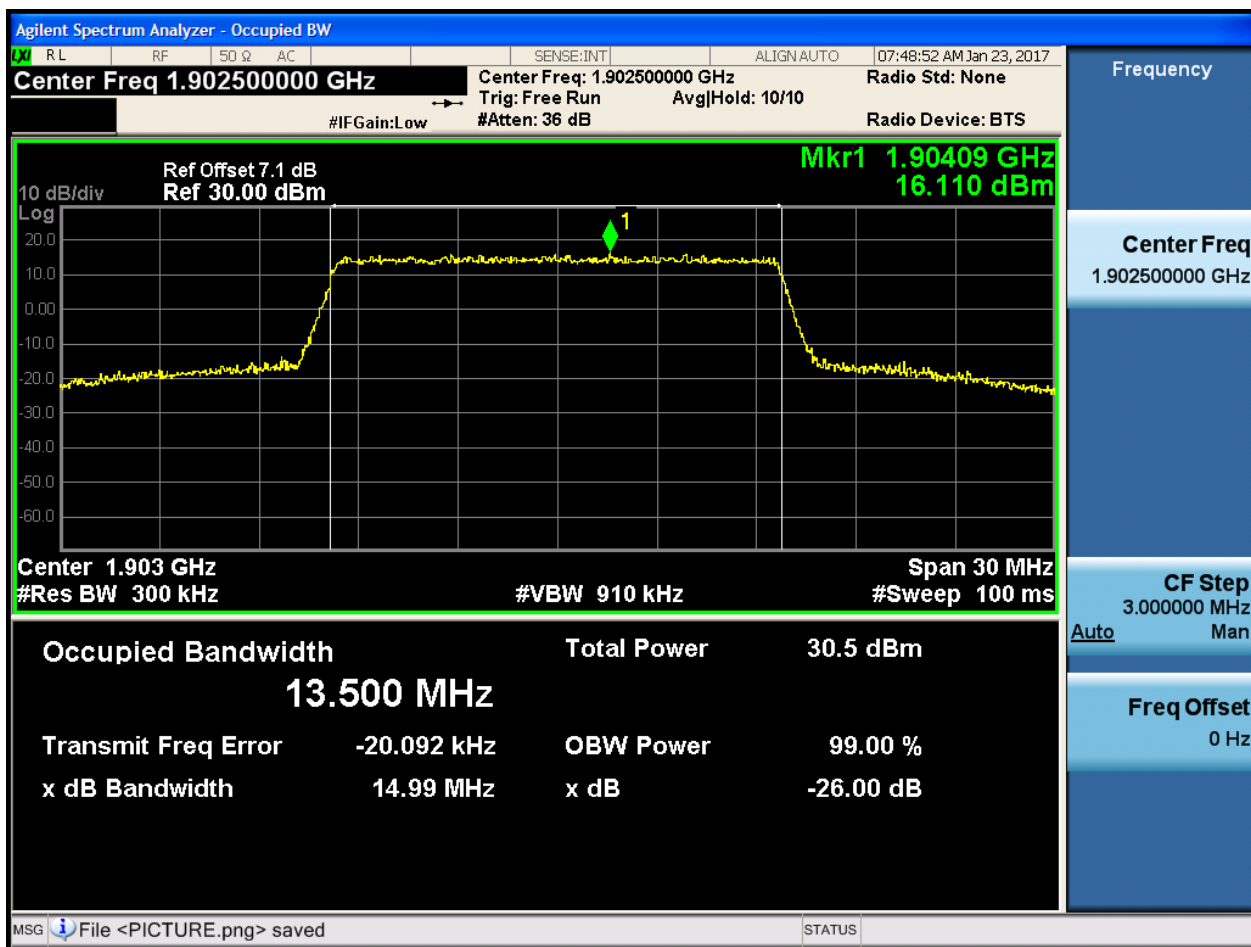
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

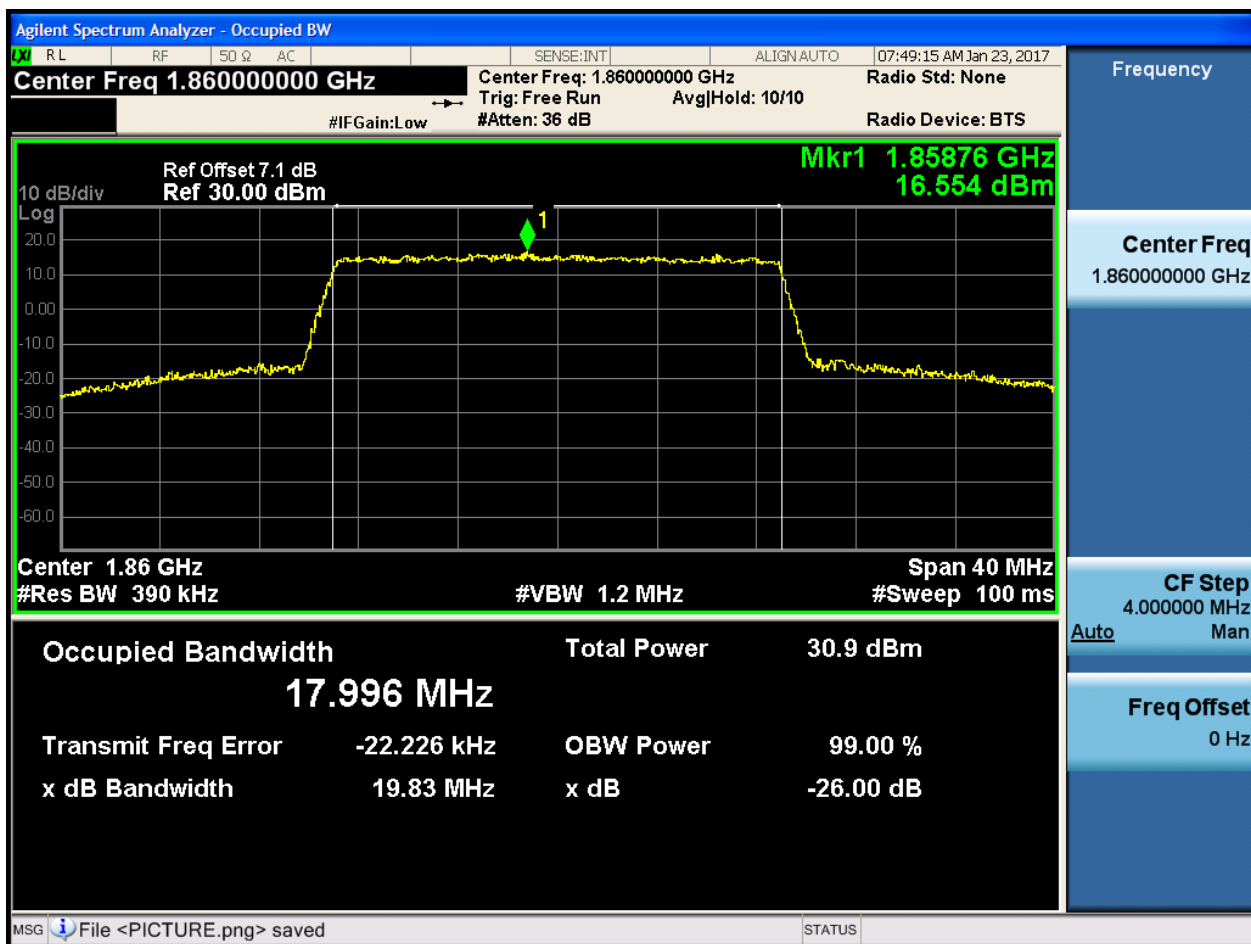




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

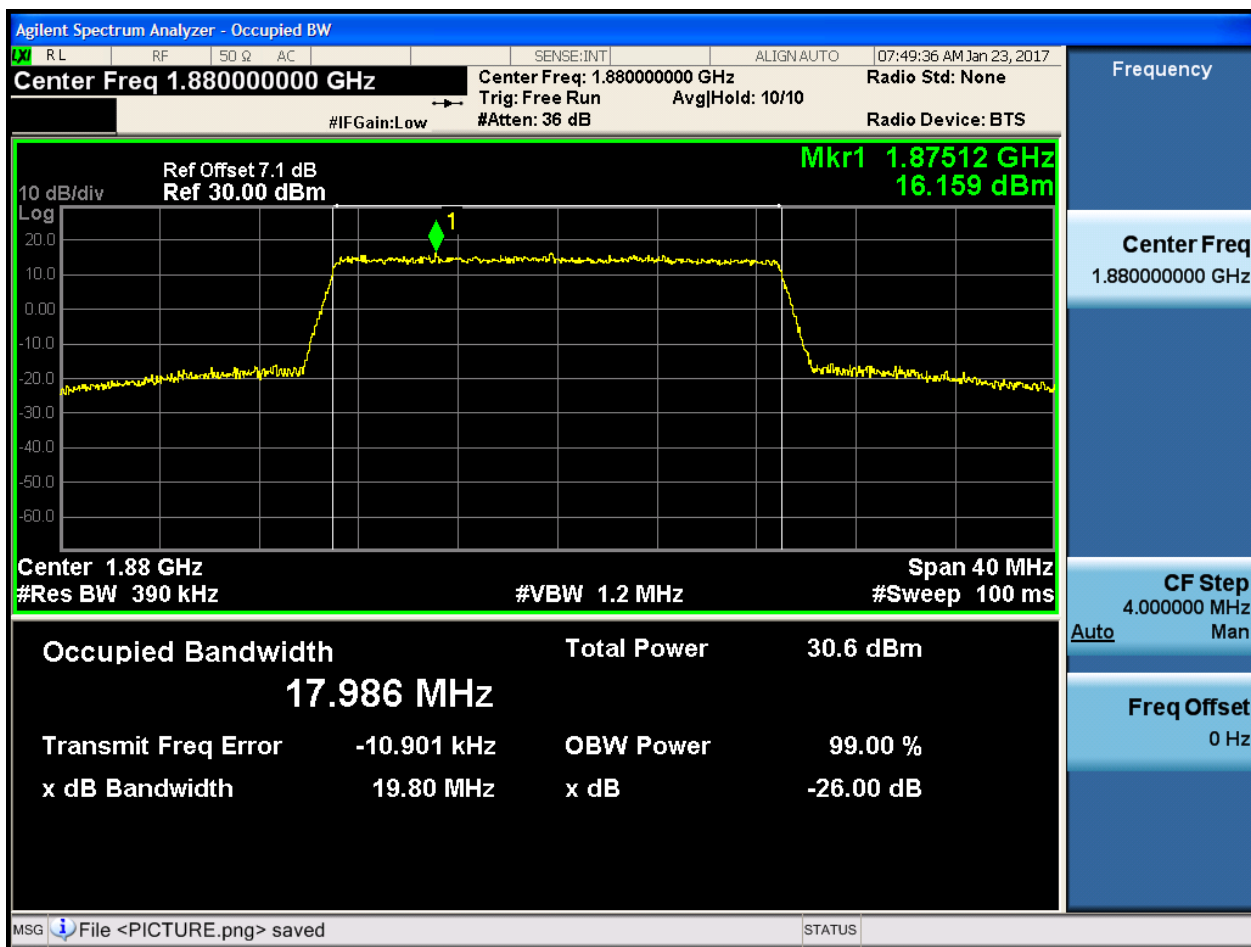
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

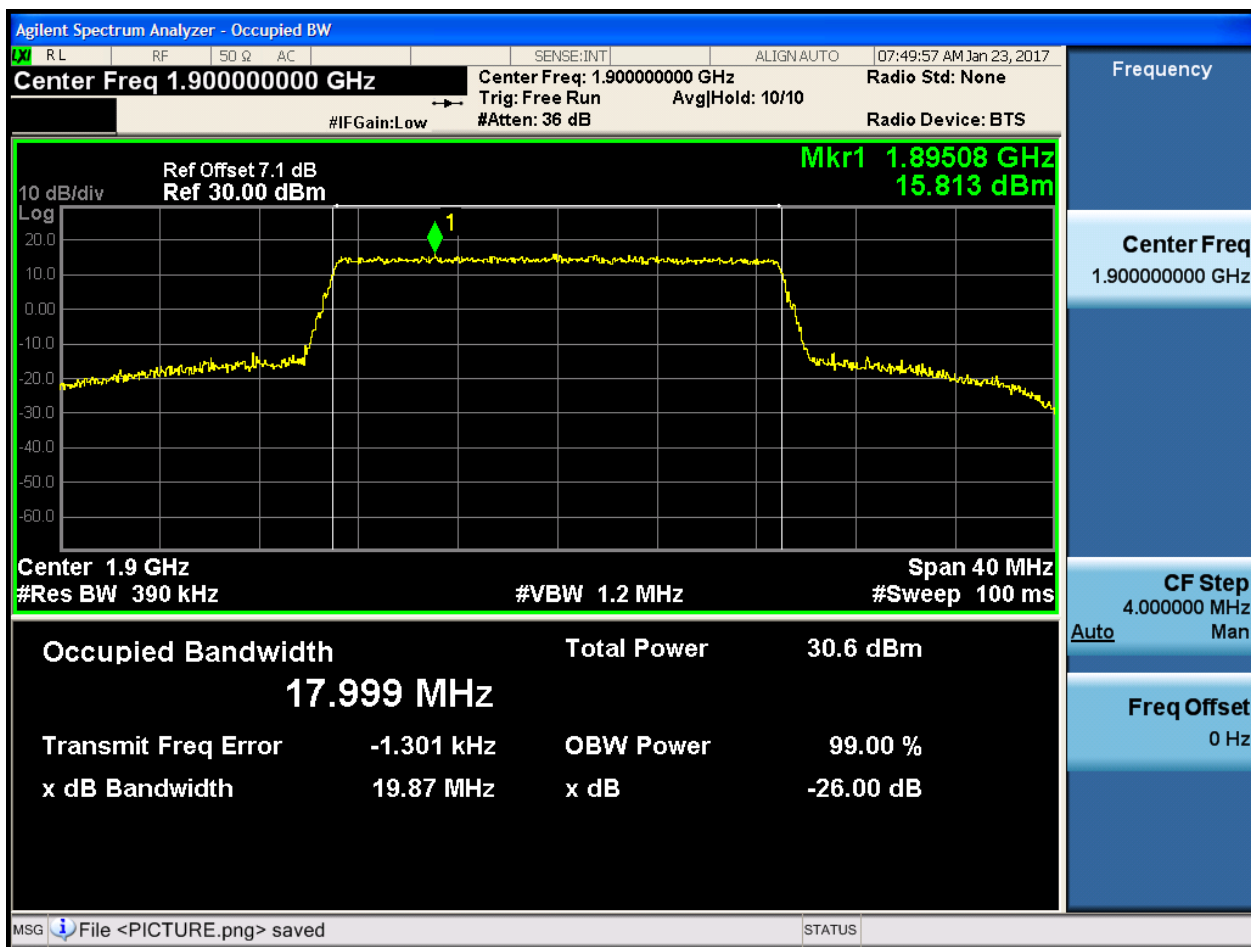
4.1.1.2.6.2.1 Test RB = RB100#0





4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

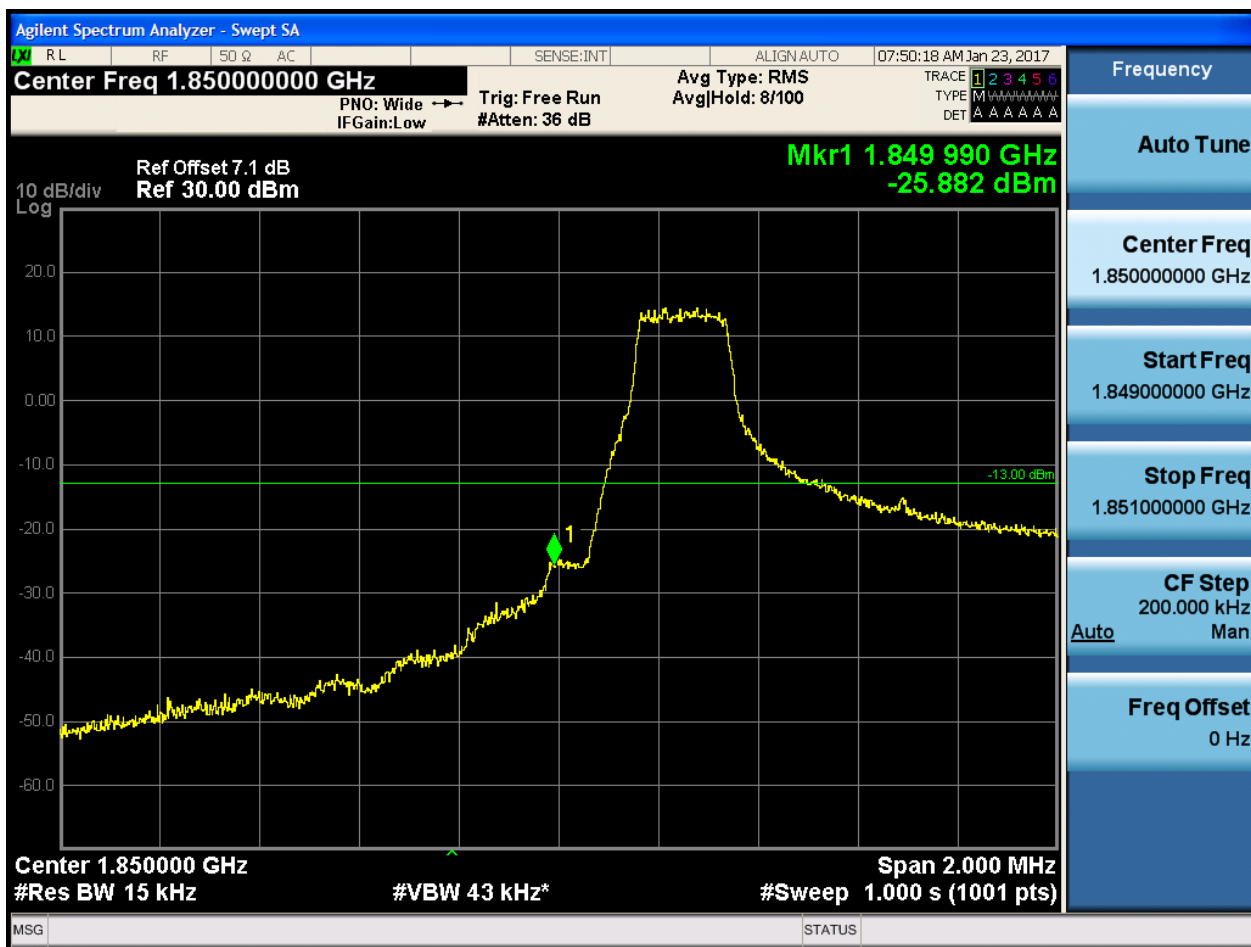
5.1.1 Test Band = BAND2

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

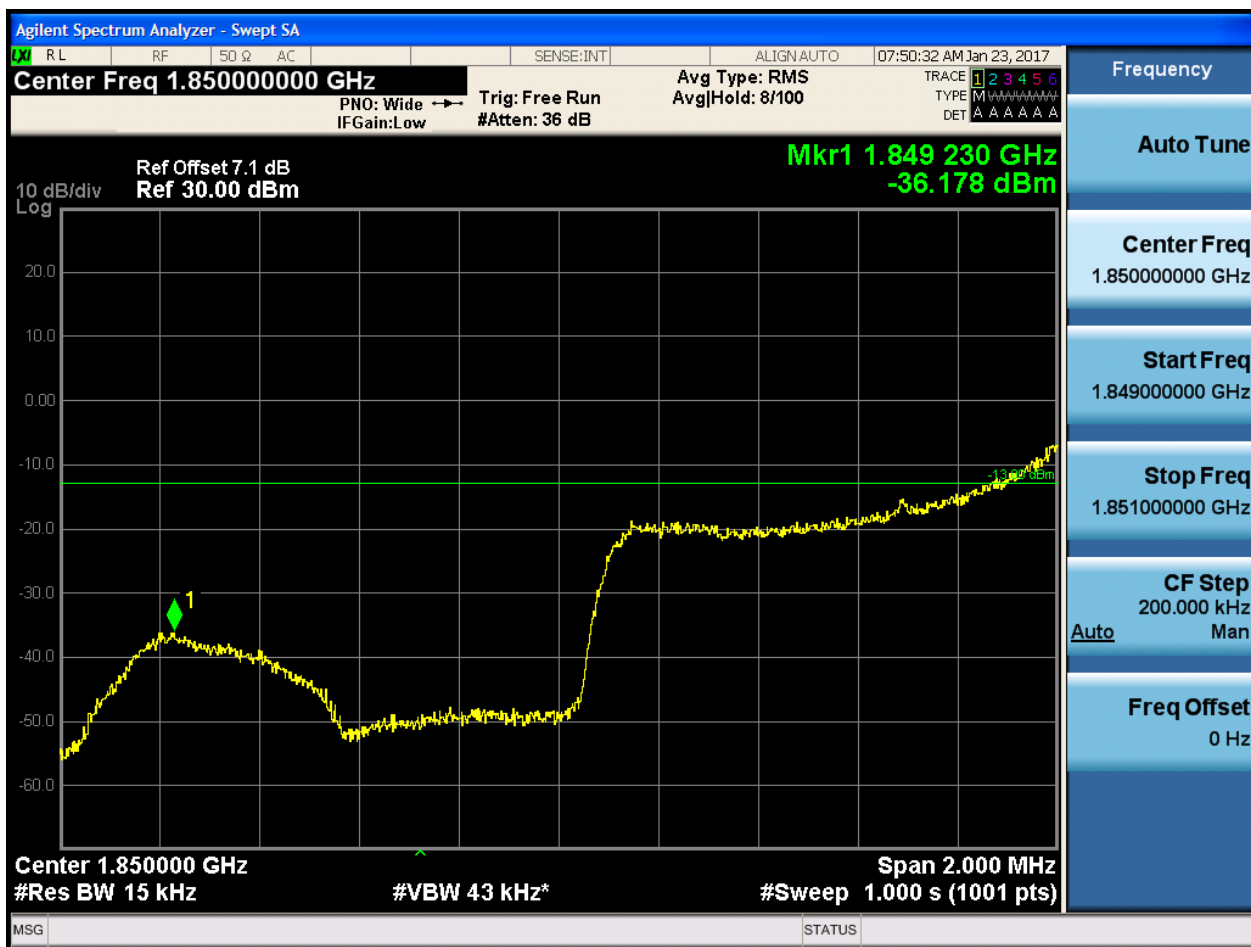
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





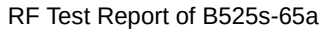
5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:51:01 AM Jan 23, 2017

Center Freq 1.850000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 3/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.849 910 GHz
-30.390 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 Alignment Completed STATUS



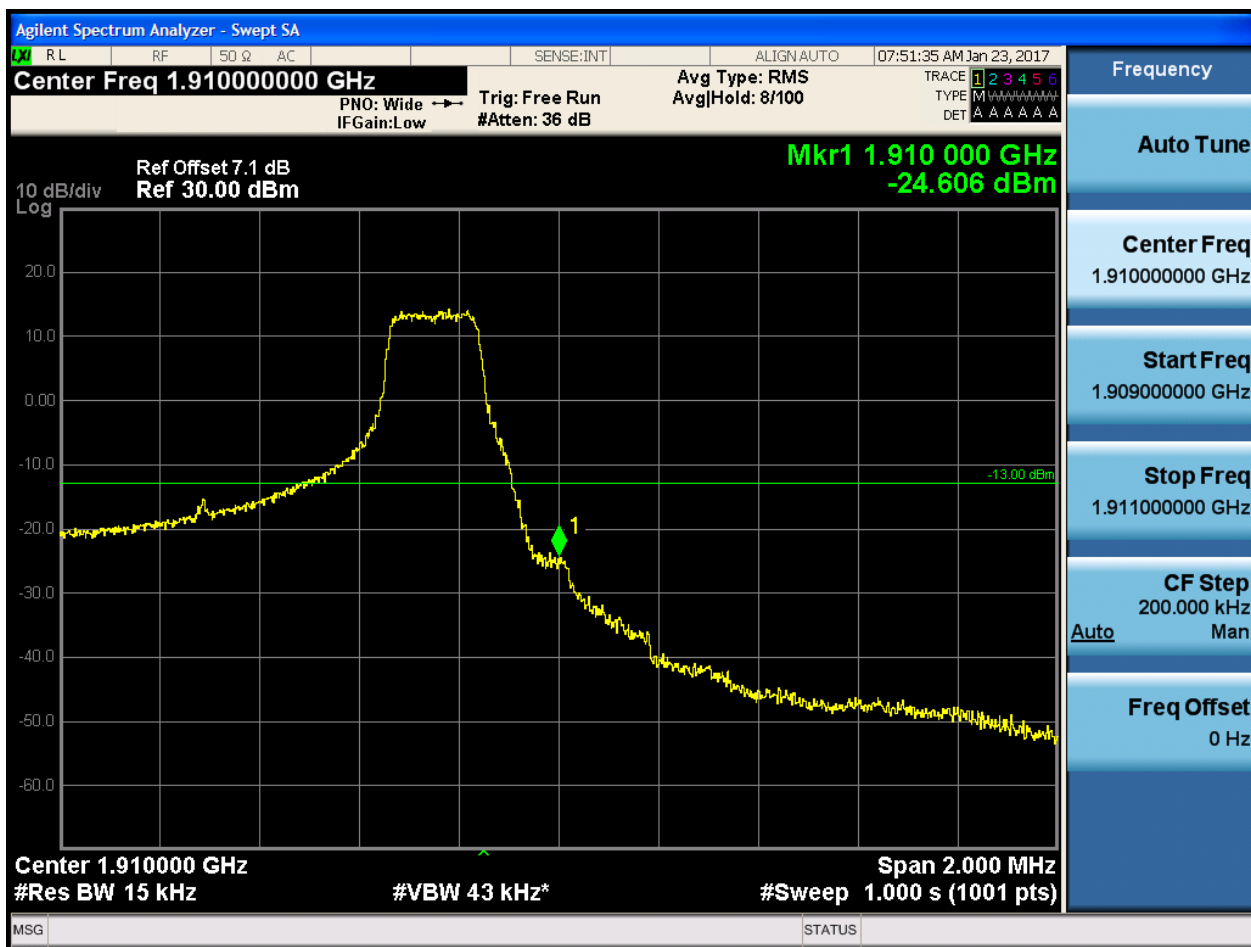
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





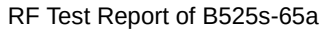
5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.1.2.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91000000 GHz

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

Avg Type: RMS
Avg/Hold: 8/100

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 080 GHz
-27.425 dBm

10 dB/div
Log

-13.00 dBm

Center 1.910000 GHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

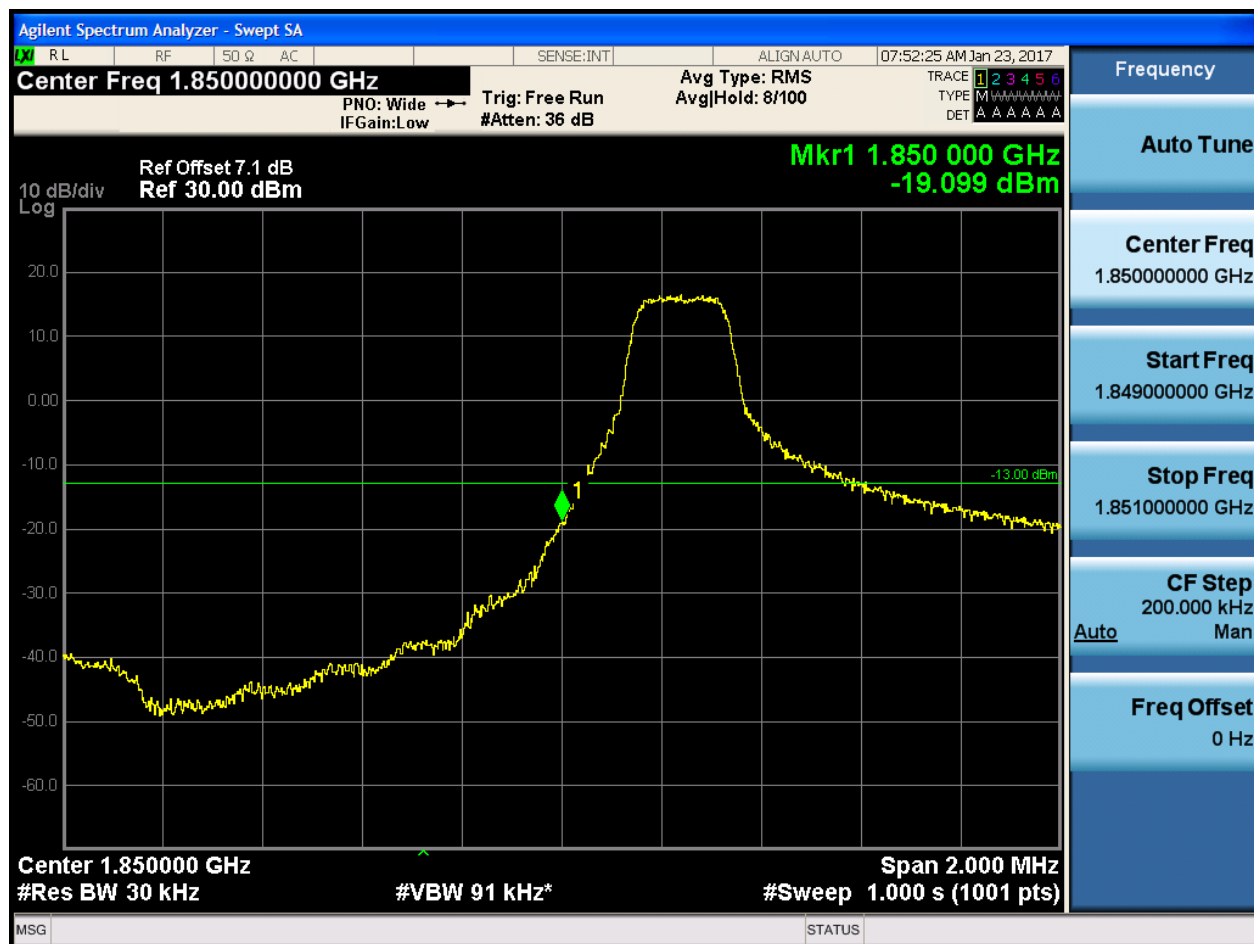
Frequency	
Auto Tune	
Center Freq	1.91000000 GHz
Start Freq	1.909000000 GHz
Stop Freq	1.911000000 GHz
CF Step	200.000 kHz
Auto	Man
Freq Offset	0 Hz

MSG STATUS

5.1.1.1.2 Test Bandwidth = 3

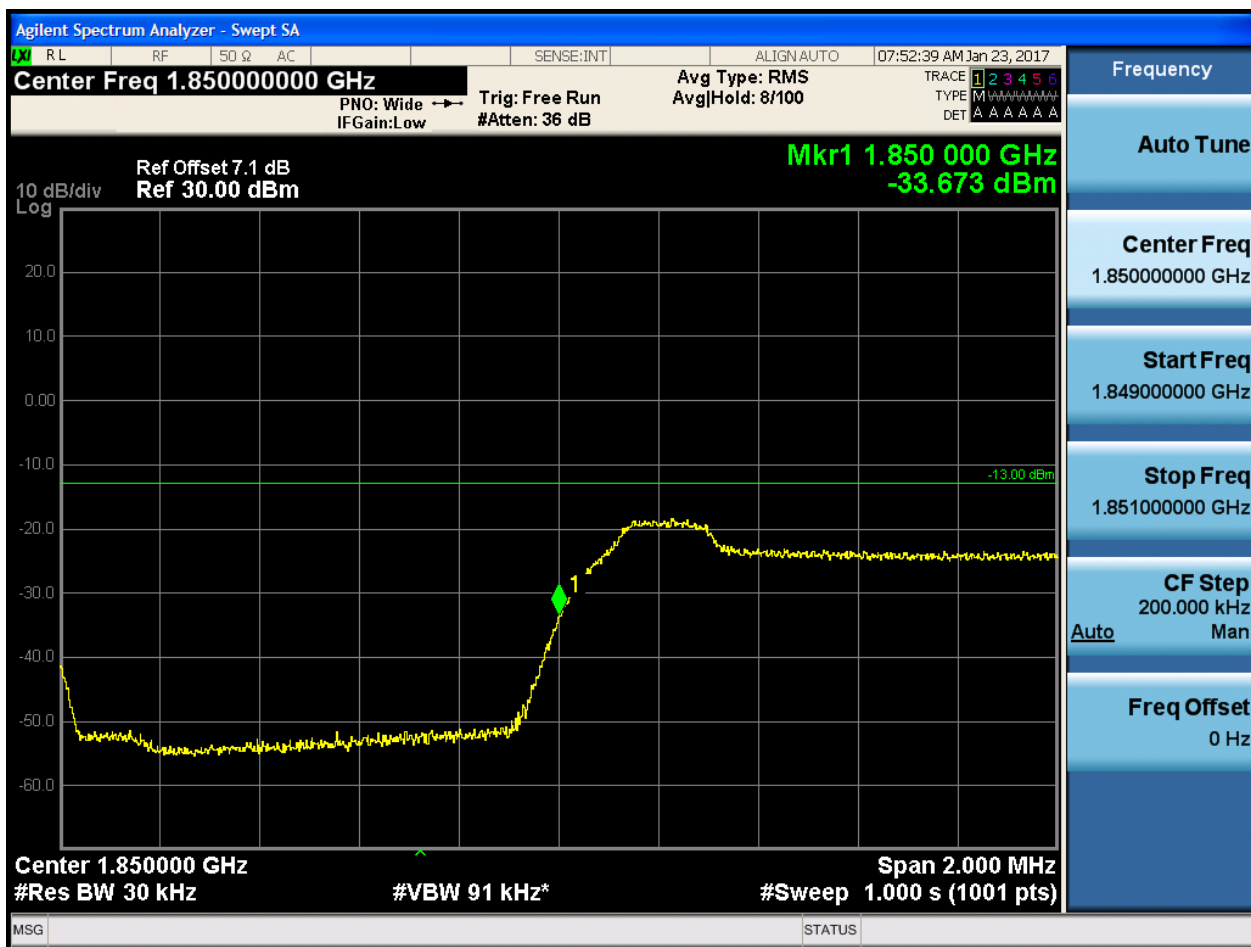
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



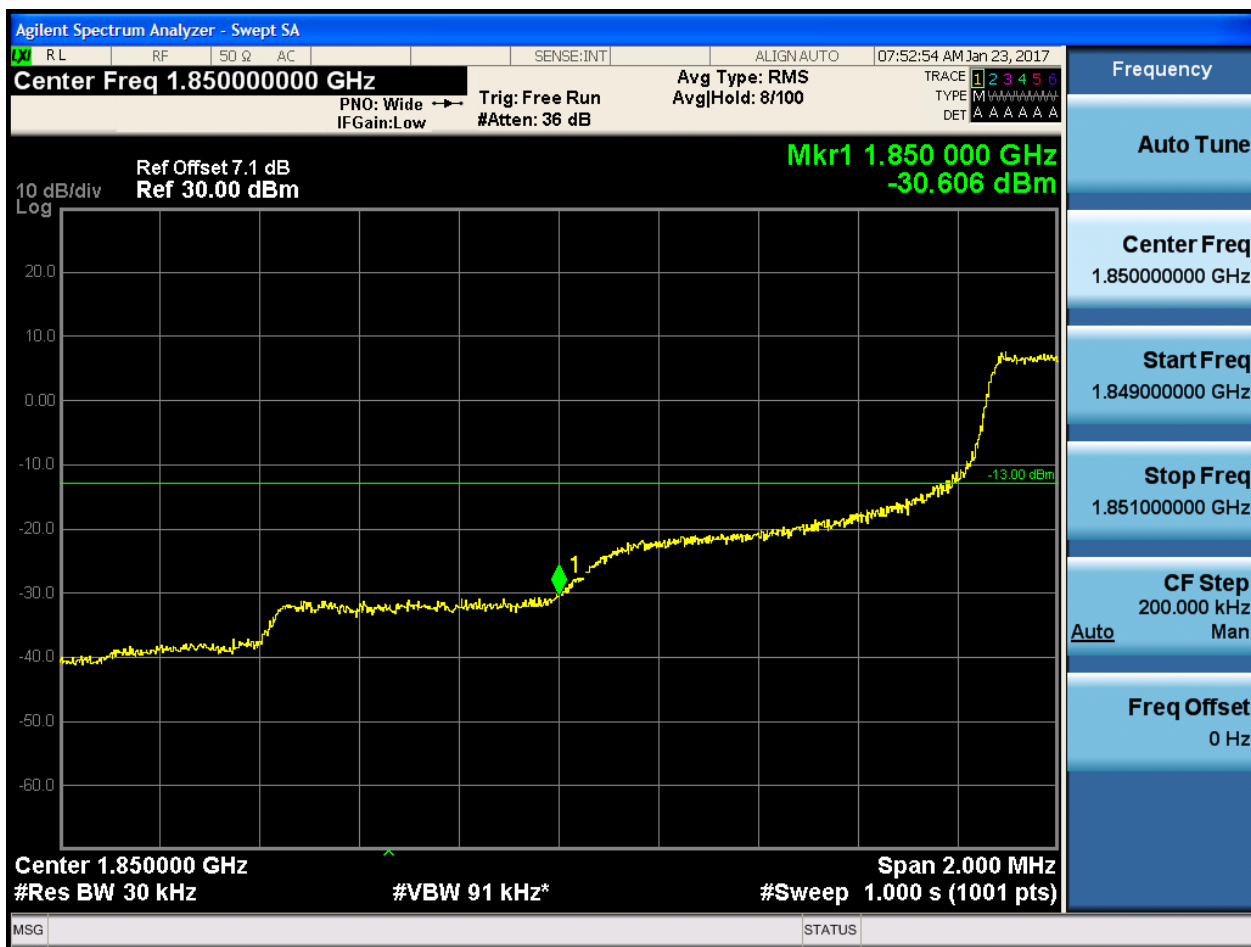


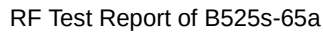
5.1.1.1.2.1.2 Test RB = RB1#14





5.1.1.1.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:53:08 AM Jan 23, 2017

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-28.698 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

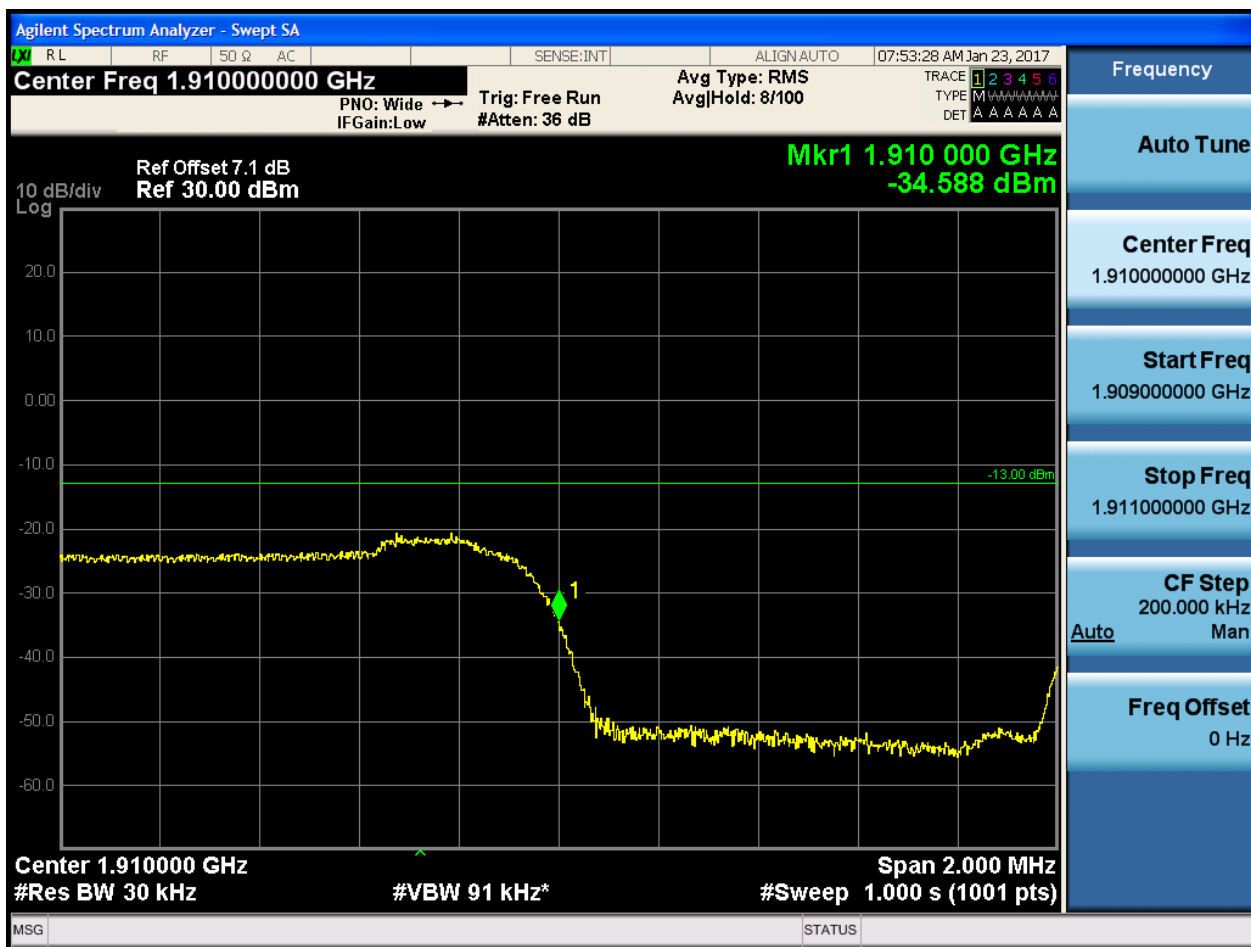
Stop Freq
1.851000000 GHz

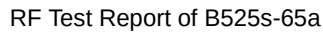
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:53:42 AM Jan 23, 2017

Center Freq 1.91000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

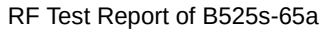
Mkr1 1.910 000 GHz
-18.926 dBm

10 dB/div
Log

Center 1.910000 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 1.910000000 GHz
Start Freq 1.909000000 GHz
Stop Freq 1.911000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:53:56 AM Jan 23, 2017

Center Freq 1.91000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-27.796 dBm

10 dB/div
Log

-13.00 dBm

1

Center 1.91000 GHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 91 kHz*

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

MSG STATUS



5.1.1.1.2.2.4 Test RB = RB15#0

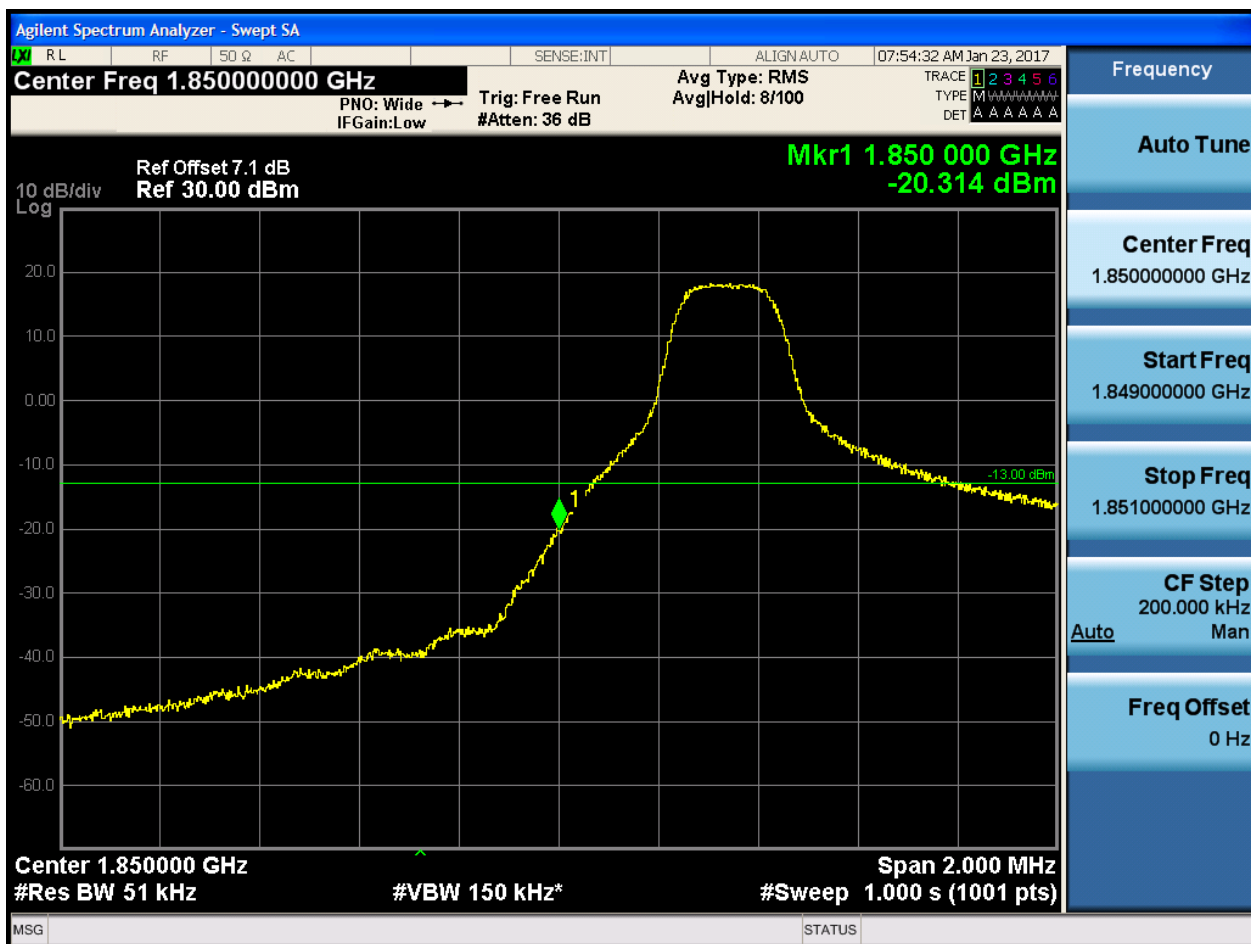


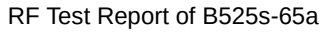


5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:54:46 AM Jan 23, 2017

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 W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-37.680 dBm

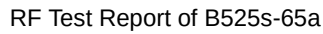
10 dB/div
Log

-13.00 dBm

Center 1.85000 GHz
#Res BW 51 kHz #VBW 150 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq 1.850000000 GHz
Start Freq 1.849000000 GHz
Stop Freq 1.851000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:55:01 AM Jan 23, 2017

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

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

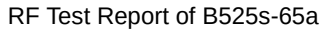
Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-31.003 dBm

10 dB/div
Log

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

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 07:55:15 AM Jan 23, 2017

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 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-28.862 dBm

10 dB/div
Log

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

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

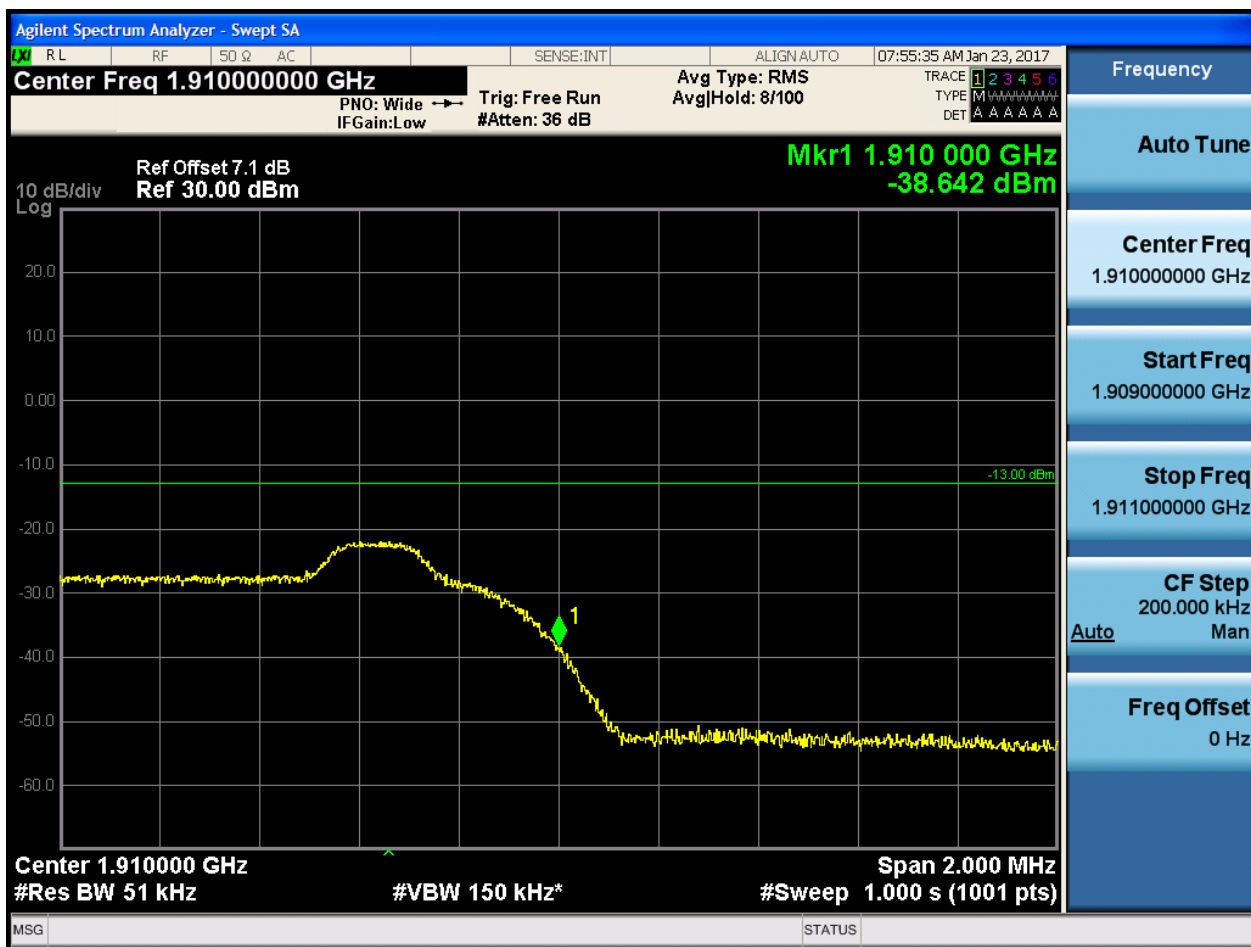
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



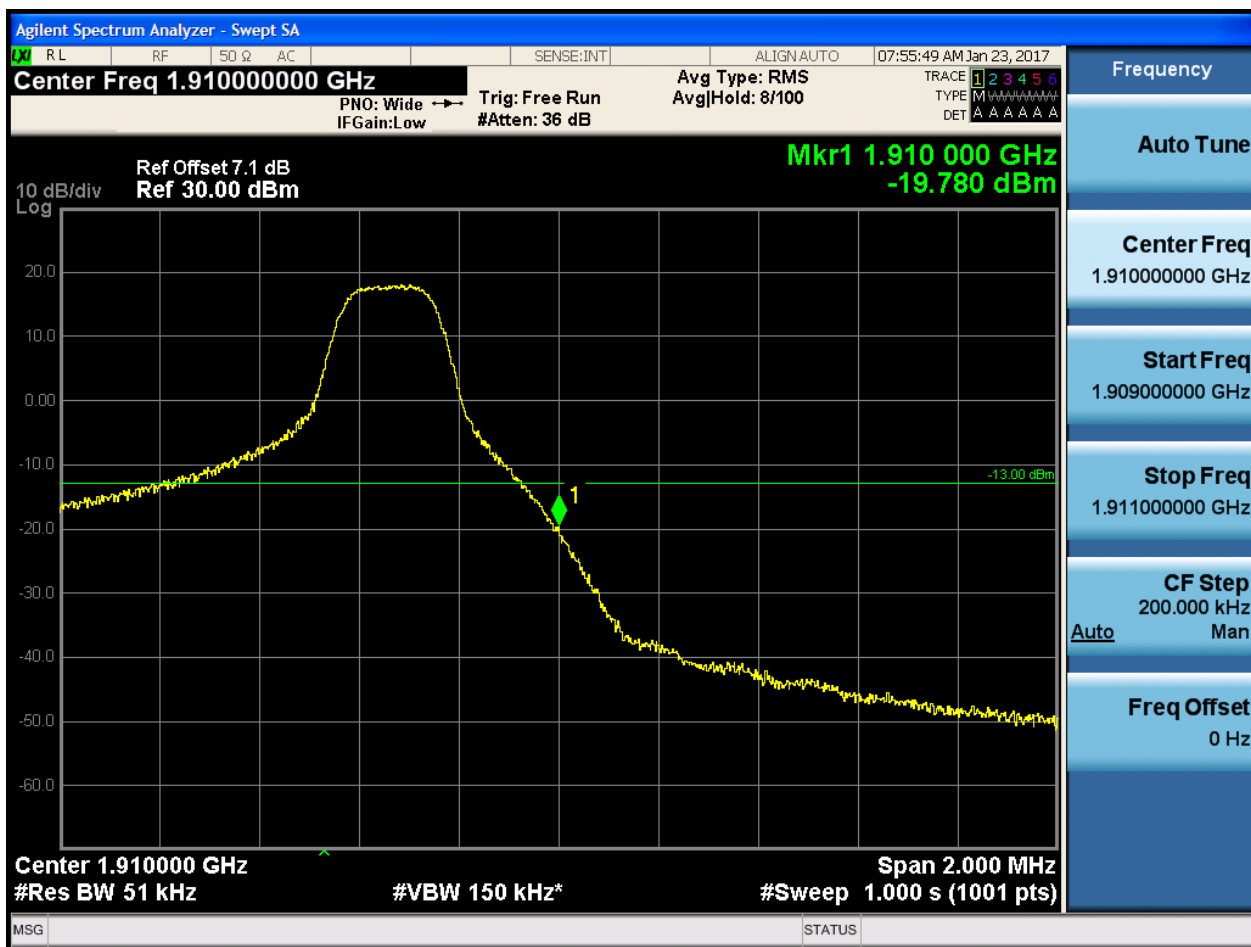
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0



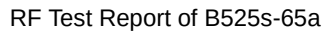


5.1.1.1.3.2.2 Test RB = RB1#24



5.1.1.1.3.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:56:17 AM Jan 23, 2017

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-27.302 dBm

10 dB/div
Log

-13.00 dBm

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

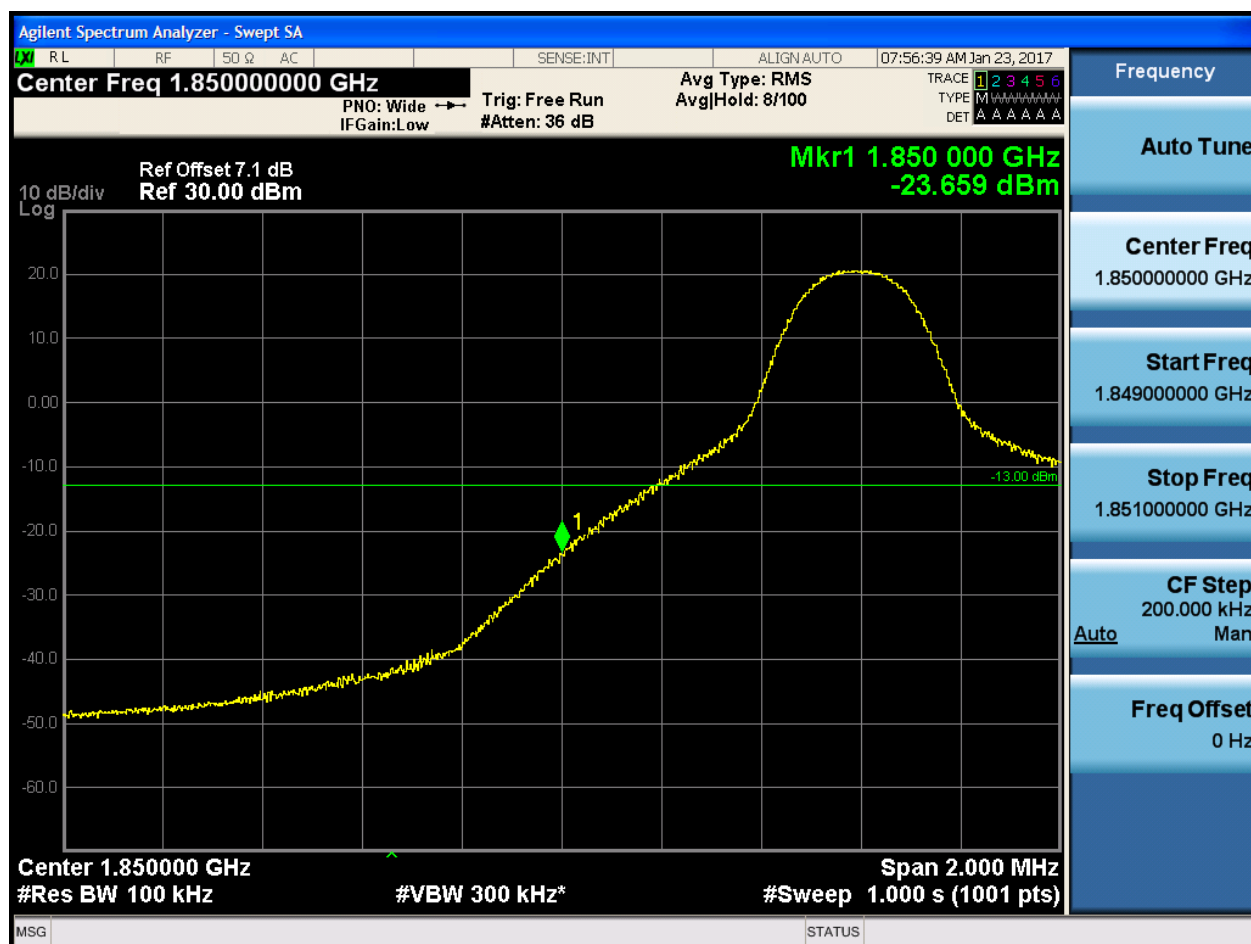
MSG STATUS

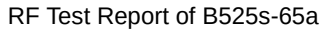
Frequency
Auto Tune
Center Freq 1.910000000 GHz
Start Freq 1.909000000 GHz
Stop Freq 1.911000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:56:53 AM Jan 23, 2017

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 W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.849 990 GHz
-41.520 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

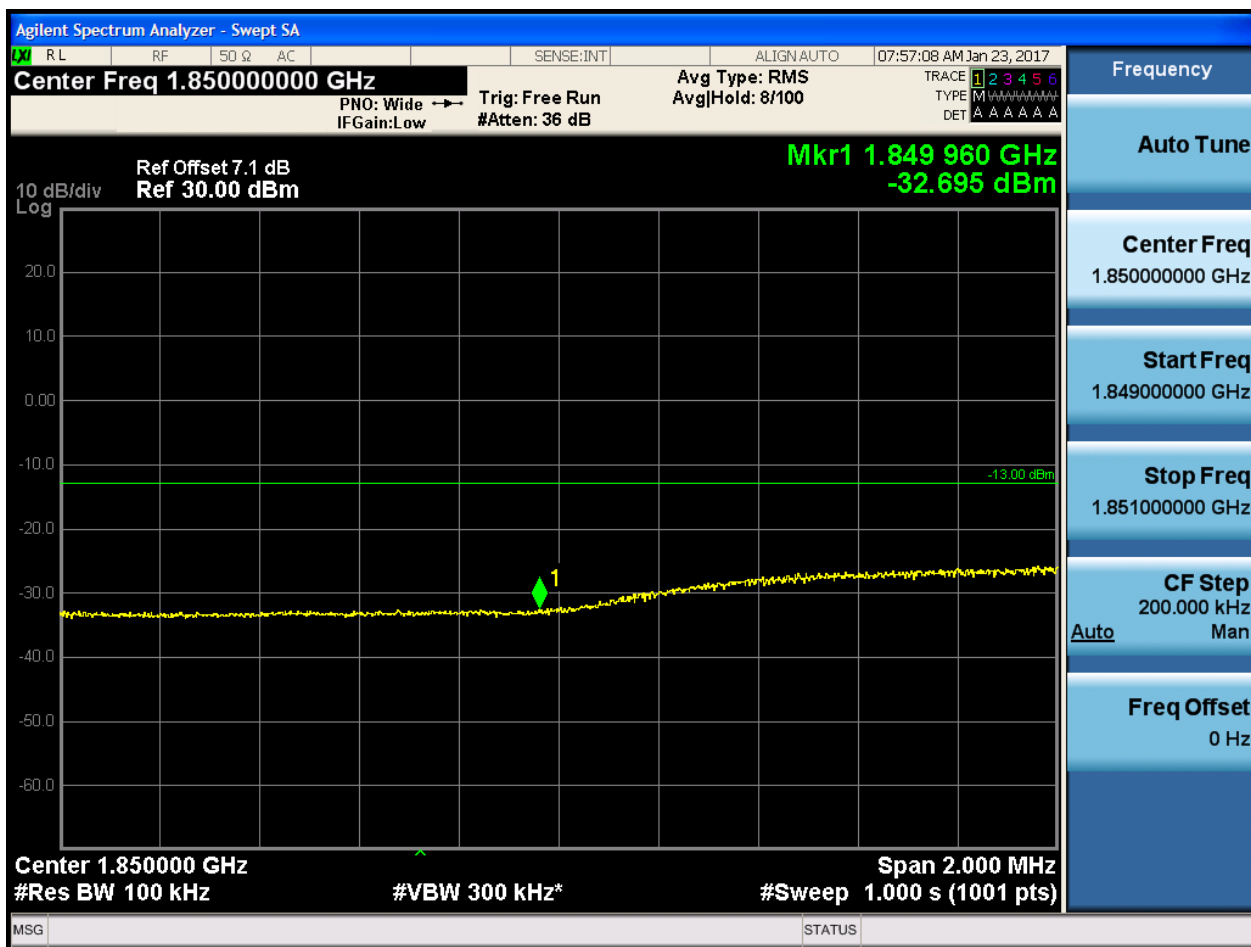
Stop Freq
1.851000000 GHz

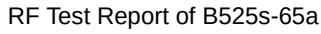
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.4.1.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:57:22 AM Jan 23, 2017

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.849 990 GHz
-30.994 dBm

10 dB/div
Log

Center 1.850000 GHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Auto Man

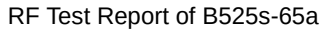
Freq Offset
0 Hz



5.1.1.1.4.2 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 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.910 000 GHz
-23.506 dBm

Center 1.910000 GHz
#Res BW 100 kHz
#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

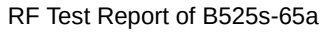
Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:58:10 AM Jan 23, 2017

Center Freq 1.910000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 2/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 990 GHz
-34.146 dBm

10 dB/div
Log

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

-13.00 dBm

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

MSG Alignment Completed STATUS

Frequency

Auto Tune

Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.1.4.2.4 Test RB = RB50#0

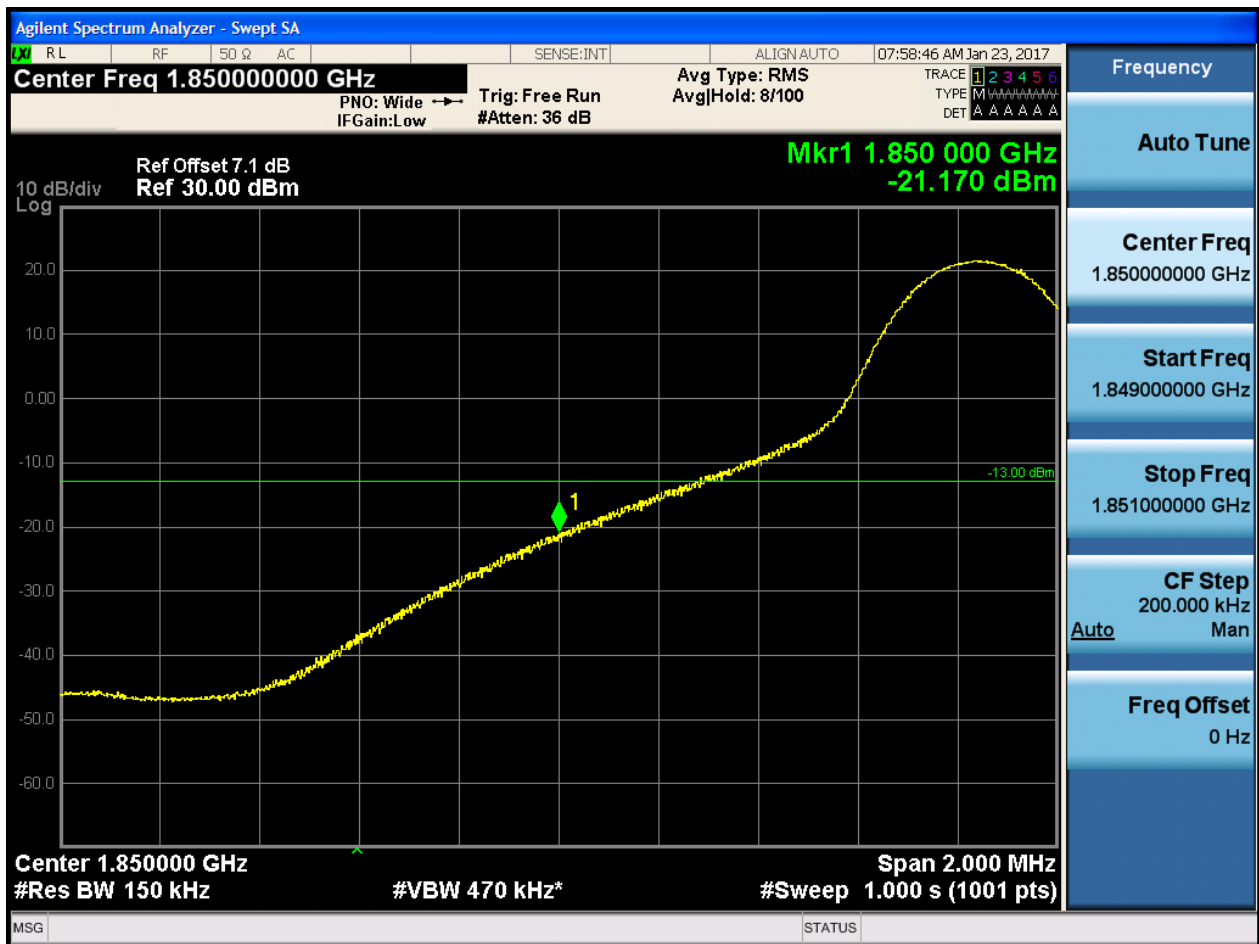




5.1.1.1.5 Test Bandwidth = 15

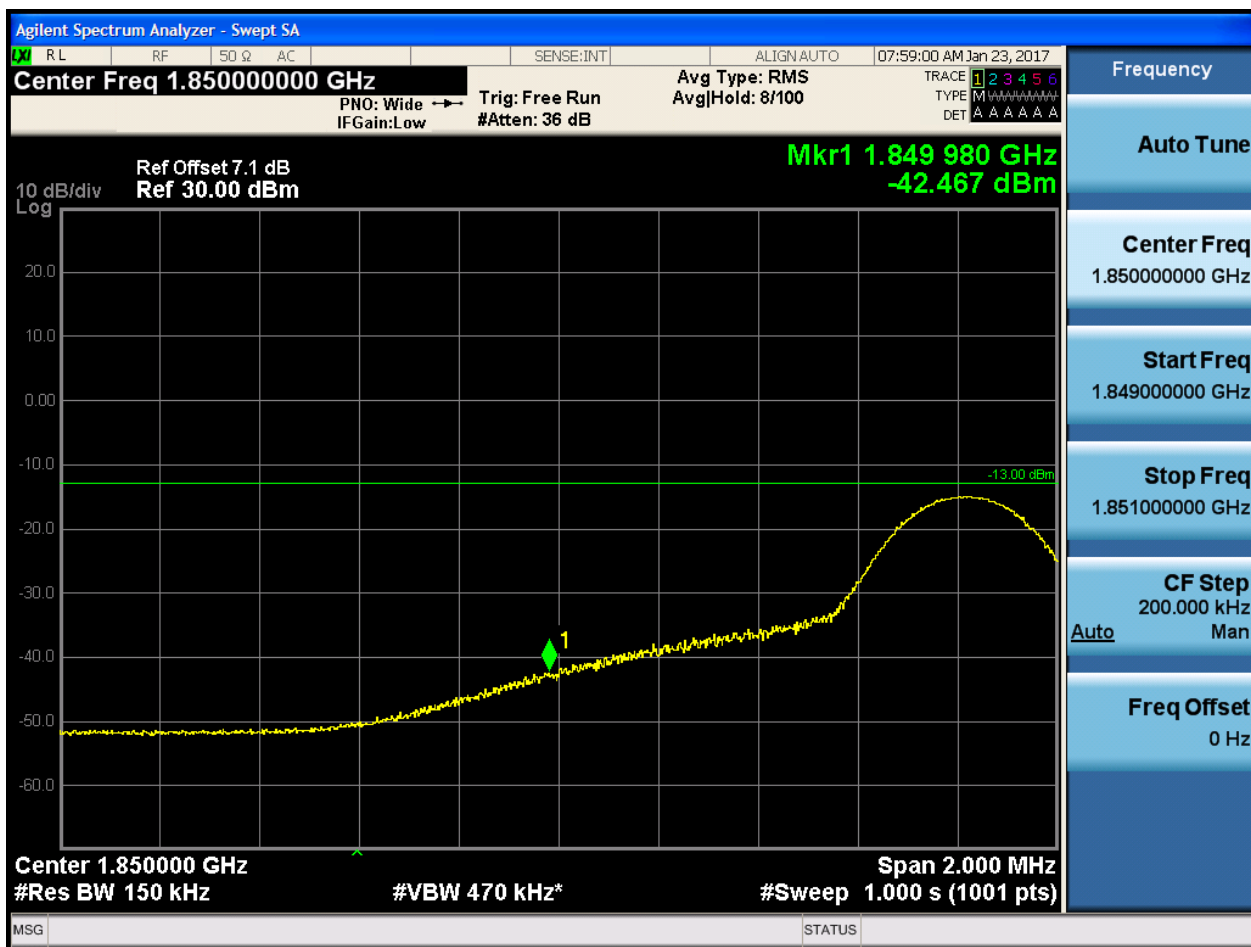
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0



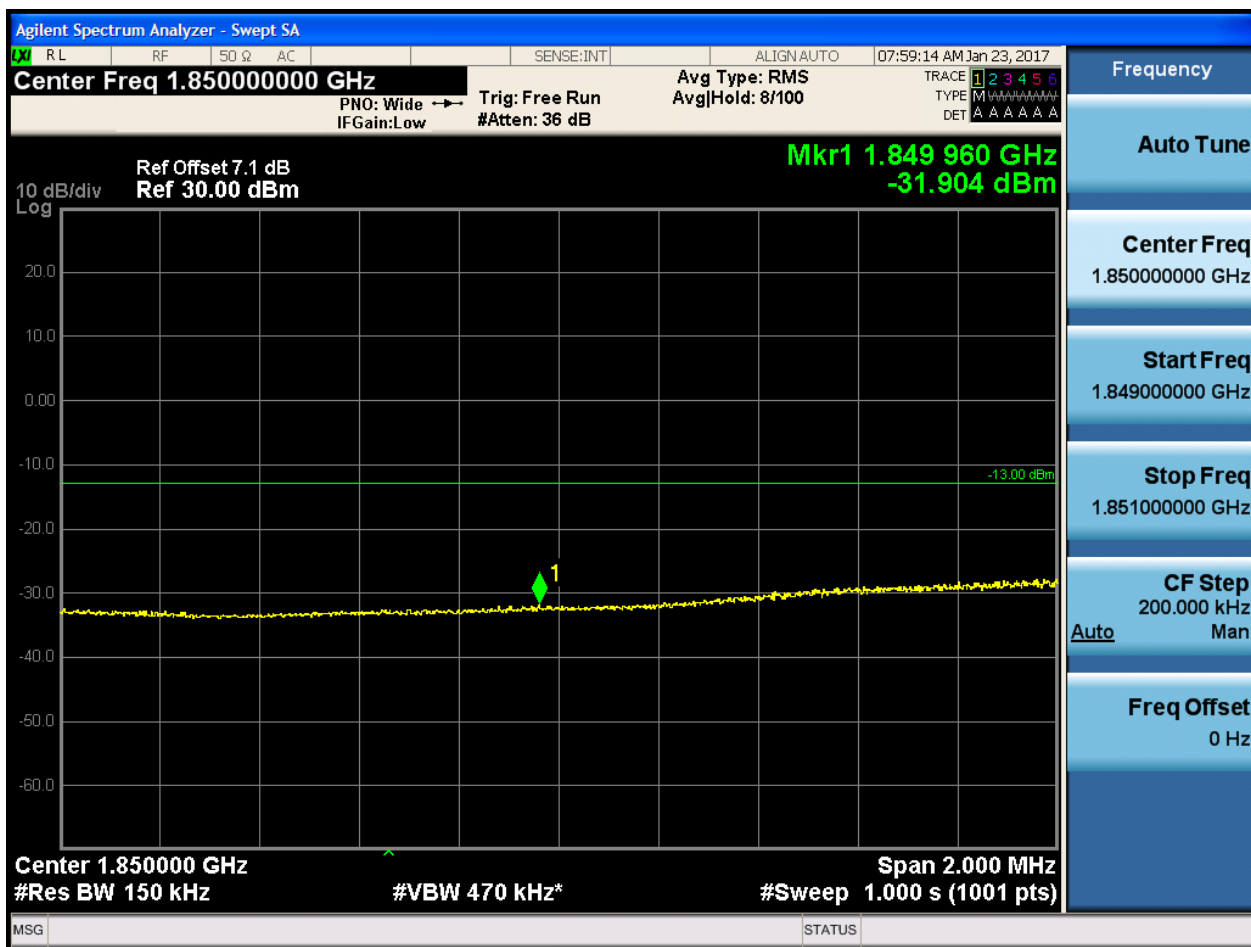


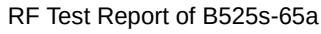
5.1.1.1.5.1.2 Test RB = RB1#74





5.1.1.1.5.1.3 Test RB = RB38#19





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 07:59:29 AM Jan 23, 2017

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.850 000 GHz
-30.186 dBm

10 dB/div
Log

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

MSG STATUS

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

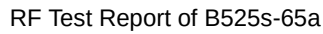
Freq Offset
0 Hz



5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 08:00:02 AM Jan 23, 2017

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-22.524 dBm

10 dB/div
Log

The plot shows a signal spectrum on a logarithmic scale. The y-axis represents power in dBm, ranging from -60.0 to 20.0. The x-axis represents frequency in MHz, ranging from 1890 to 1910. A yellow trace shows the signal spectrum, which starts at approximately 18 dBm at 1890 MHz, peaks at 20 dBm around 1900 MHz, and then decreases to about -50 dBm at 1910 MHz. A green horizontal line is drawn at -13.00 dBm. A yellow marker labeled '1' is placed on the signal trace at 1.910 GHz, indicating a power level of -22.524 dBm.

Center 1.910000 GHz
#Res BW 150 kHz

#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

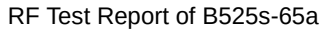
Center Freq
1.910000000 GHz

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 08:00:17 AM Jan 23, 2017

Center Freq 1.910000000 GHz Avg Type: RMS
 PNO: Wide IFGain:Low Trig: Free Run AvgHold: 3/100
 #Atten: 36 dB

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

Ref Offset 7.1 dB
 Ref 30.00 dBm

Mkr1 1.910 860 GHz
 -32.535 dBm

10 dB/div
 Log

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

MSG Alignment Completed STATUS

Frequency

Auto Tune

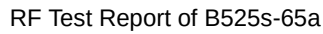
Center Freq
 1.910000000 GHz

Start Freq
 1.909000000 GHz

Stop Freq
 1.911000000 GHz

CF Step
 200.000 kHz
 Auto Man

Freq Offset
 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 08:00:31 AM Jan 23, 2017

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.910 000 GHz
-30.401 dBm

10 dB/div
Log

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

MSG STATUS