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
BAND25	LTE/TM1	1.4	LCH	RB1#0	21.67	18.67	33	PASS
				RB1#3	21.89	18.89	33	PASS
				RB1#5	21.81	18.81	33	PASS
				RB3#0	21.69	18.69	33	PASS
				RB3#2	21.81	18.81	33	PASS
				RB3#3	21.78	18.78	33	PASS
				RB6#0	20.86	17.86	33	PASS
			MCH	RB1#0	21.38	18.38	33	PASS
				RB1#3	21.48	18.48	33	PASS
				RB1#5	21.69	18.69	33	PASS
				RB3#0	21.59	18.59	33	PASS
				RB3#2	21.61	18.61	33	PASS
				RB3#3	21.67	18.67	33	PASS
				RB6#0	20.73	17.73	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.99	18.99	33	PASS
				RB1#3	21.74	18.74	33	PASS
				RB1#5	21.53	18.53	33	PASS
				RB3#0	21.73	18.73	33	PASS
				RB3#2	21.68	18.68	33	PASS
				RB3#3	21.6	18.6	33	PASS
				RB6#0	20.91	17.91	33	PASS
		3	LCH	RB1#0	21.24	18.24	33	PASS
				RB1#7	21.85	18.85	33	PASS
				RB1#14	21.67	18.67	33	PASS
				RB8#0	20.89	17.89	33	PASS
				RB8#4	21.14	18.14	33	PASS
				RB8#7	21.05	18.05	33	PASS
				RB15#0	21.02	18.02	33	PASS
			MCH	RB1#0	21.28	18.28	33	PASS
				RB1#7	21.58	18.58	33	PASS
				RB1#14	21.4	18.4	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.59	17.59	33	PASS
				RB8#4	20.65	17.65	33	PASS
				RB8#7	20.71	17.71	33	PASS
				RB15#0	20.57	17.57	33	PASS
			HCH	RB1#0	21.8	18.8	33	PASS
				RB1#7	22.25	19.25	33	PASS
				RB1#14	21.38	18.38	33	PASS
				RB8#0	21.17	18.17	33	PASS
				RB8#4	21.34	18.34	33	PASS
				RB8#7	20.93	17.93	33	PASS
				RB15#0	21.21	18.21	33	PASS
		5	LCH	RB1#0	21.11	18.11	33	PASS
				RB1#13	22	19	33	PASS
				RB1#24	21.58	18.58	33	PASS
				RB12#0	20.94	17.94	33	PASS
				RB12#6	21.16	18.16	33	PASS
				RB12#13	20.86	17.86	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.95	17.95	33	PASS
			MCH	RB1#0	21.21	18.21	33	PASS
				RB1#13	21.81	18.81	33	PASS
				RB1#24	21.18	18.18	33	PASS
				RB12#0	20.65	17.65	33	PASS
				RB12#6	20.73	17.73	33	PASS
				RB12#13	20.68	17.68	33	PASS
				RB25#0	20.66	17.66	33	PASS
			HCH	RB1#0	21.71	18.71	33	PASS
				RB1#13	22.45	19.45	33	PASS
				RB1#24	21.13	18.13	33	PASS
				RB12#0	21.35	18.35	33	PASS
				RB12#6	21.57	18.57	33	PASS
				RB12#13	21.25	18.25	33	PASS
				RB25#0	21.31	18.31	33	PASS
		10	LCH	RB1#0	21.52	18.52	33	PASS
				RB1#25	22.27	19.27	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.83	18.83	33	PASS
				RB25#0	20.71	17.71	33	PASS
				RB25#13	20.83	17.83	33	PASS
				RB25#25	20.62	17.62	33	PASS
				RB50#0	20.66	17.66	33	PASS
			MCH	RB1#0	21.56	18.56	33	PASS
				RB1#25	21.71	18.71	33	PASS
				RB1#49	21.72	18.72	33	PASS
				RB25#0	20.63	17.63	33	PASS
				RB25#13	20.66	17.66	33	PASS
				RB25#25	20.6	17.6	33	PASS
				RB50#0	20.66	17.66	33	PASS
			HCH	RB1#0	22.12	19.12	33	PASS
				RB1#25	22.54	19.54	33	PASS
				RB1#49	21.46	18.46	33	PASS
				RB25#0	21.25	18.25	33	PASS
				RB25#13	21.43	18.43	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.17	18.17	33	PASS
				RB50#0	21.26	18.26	33	PASS
			LCH	RB1#0	21.79	18.79	33	PASS
				RB1#38	22.14	19.14	33	PASS
				RB1#74	22.29	19.29	33	PASS
				RB38#0	21.14	18.14	33	PASS
				RB38#19	21	18	33	PASS
				RB38#39	21.03	18.03	33	PASS
				RB75#0	21.04	18.04	33	PASS
	15		MCH	RB1#0	22.16	19.16	33	PASS
				RB1#38	21.89	18.89	33	PASS
				RB1#74	21.86	18.86	33	PASS
				RB38#0	20.93	17.93	33	PASS
				RB38#19	20.83	17.83	33	PASS
				RB38#39	20.73	17.73	33	PASS
				RB75#0	20.84	17.84	33	PASS
			HCH	RB1#0	22.56	19.56	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.39	19.39	33	PASS
				RB1#74	21.52	18.52	33	PASS
				RB38#0	21.43	18.43	33	PASS
				RB38#19	21.59	18.59	33	PASS
				RB38#39	21.52	18.52	33	PASS
				RB75#0	21.49	18.49	33	PASS
		20	LCH	RB1#0	22.21	19.21	33	PASS
				RB1#50	22.32	19.32	33	PASS
				RB1#99	22.84	19.84	33	PASS
				RB50#0	21.21	18.21	33	PASS
				RB50#25	21.03	18.03	33	PASS
				RB50#50	21.5	18.5	33	PASS
				RB100#0	21.5	18.5	33	PASS
			MCH	RB1#0	22.68	19.68	33	PASS
				RB1#50	21.75	18.75	33	PASS
				RB1#99	22.6	19.6	33	PASS
				RB50#0	21.29	18.29	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	20.98	17.98	33	PASS
				RB50#50	21.02	18.02	33	PASS
				RB100#0	21.19	18.19	33	PASS
			HCH	RB1#0	22.94	19.94	33	PASS
				RB1#50	22.74	19.74	33	PASS
				RB1#99	22.26	19.26	33	PASS
				RB50#0	21.77	18.77	33	PASS
				RB50#25	21.37	18.37	33	PASS
				RB50#50	21.71	18.71	33	PASS
				RB100#0	21.82	18.82	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.9	17.9	33	PASS
				RB1#3	21.41	18.41	33	PASS
				RB1#5	21.33	18.33	33	PASS
				RB3#0	20.95	17.95	33	PASS
				RB3#2	21.05	18.05	33	PASS
				RB3#3	21.03	18.03	33	PASS
				RB6#0	19.97	16.97	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	20.72	17.72	33	PASS
				RB1#3	20.99	17.99	33	PASS
				RB1#5	20.82	17.82	33	PASS
				RB3#0	20.78	17.78	33	PASS
				RB3#2	20.81	17.81	33	PASS
				RB3#3	20.88	17.88	33	PASS
				RB6#0	19.77	16.77	33	PASS
			HCH	RB1#0	21.22	18.22	33	PASS
				RB1#3	21.13	18.13	33	PASS
				RB1#5	20.94	17.94	33	PASS
				RB3#0	21.03	18.03	33	PASS
				RB3#2	20.98	17.98	33	PASS
				RB3#3	20.9	17.9	33	PASS
				RB6#0	19.93	16.93	33	PASS
		3	LCH	RB1#0	20.56	17.56	33	PASS
				RB1#7	21.46	18.46	33	PASS
				RB1#14	21.01	18.01	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	19.93	16.93	33	PASS
				RB8#4	20.18	17.18	33	PASS
				RB8#7	20.1	17.1	33	PASS
				RB15#0	19.99	16.99	33	PASS
			MCH	RB1#0	20.63	17.63	33	PASS
				RB1#7	21	18	33	PASS
				RB1#14	20.76	17.76	33	PASS
				RB8#0	19.57	16.57	33	PASS
				RB8#4	19.69	16.69	33	PASS
				RB8#7	19.72	16.72	33	PASS
				RB15#0	19.56	16.56	33	PASS
			HCH	RB1#0	21.17	18.17	33	PASS
				RB1#7	21.65	18.65	33	PASS
				RB1#14	20.75	17.75	33	PASS
				RB8#0	20.17	17.17	33	PASS
				RB8#4	20.34	17.34	33	PASS
				RB8#7	19.94	16.94	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.18	17.18	33	PASS
			LCH	RB1#0	20.46	17.46	33	PASS
				RB1#13	21.13	18.13	33	PASS
				RB1#24	20.73	17.73	33	PASS
				RB12#0	19.9	16.9	33	PASS
				RB12#6	20.13	17.13	33	PASS
				RB12#13	19.84	16.84	33	PASS
				RB25#0	19.92	16.92	33	PASS
		5	MCH	RB1#0	20.43	17.43	33	PASS
				RB1#13	21.06	18.06	33	PASS
				RB1#24	20.43	17.43	33	PASS
				RB12#0	19.68	16.68	33	PASS
				RB12#6	19.78	16.78	33	PASS
				RB12#13	19.62	16.62	33	PASS
				RB25#0	19.55	16.55	33	PASS
			HCH	RB1#0	20.98	17.98	33	PASS
				RB1#13	21.62	18.62	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	20.31	17.31	33	PASS
				RB12#0	20.24	17.24	33	PASS
				RB12#6	20.45	17.45	33	PASS
				RB12#13	20.14	17.14	33	PASS
				RB25#0	20.17	17.17	33	PASS
		10	LCH	RB1#0	20.68	17.68	33	PASS
				RB1#25	21.38	18.38	33	PASS
				RB1#49	20.95	17.95	33	PASS
				RB25#0	19.68	16.68	33	PASS
				RB25#13	19.79	16.79	33	PASS
				RB25#25	19.59	16.59	33	PASS
				RB50#0	19.64	16.64	33	PASS
			MCH	RB1#0	20.84	17.84	33	PASS
				RB1#25	21.15	18.15	33	PASS
				RB1#49	21.03	18.03	33	PASS
				RB25#0	19.49	16.49	33	PASS
				RB25#13	19.54	16.54	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	19.5	16.5	33	PASS
				RB50#0	19.57	16.57	33	PASS
			HCH	RB1#0	21.36	18.36	33	PASS
				RB1#25	21.84	18.84	33	PASS
				RB1#49	20.77	17.77	33	PASS
				RB25#0	20.08	17.08	33	PASS
				RB25#13	20.27	17.27	33	PASS
				RB25#25	20.02	17.02	33	PASS
				RB50#0	20.15	17.15	33	PASS
		15	LCH	RB1#0	21.19	18.19	33	PASS
				RB1#38	21.19	18.19	33	PASS
				RB1#74	21.61	18.61	33	PASS
				RB38#0	20.15	17.15	33	PASS
				RB38#19	19.98	16.98	33	PASS
				RB38#39	20	17	33	PASS
				RB75#0	20	17	33	PASS
			MCH	RB1#0	21.5	18.5	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	21.33	18.33	33	PASS
				RB1#74	21.27	18.27	33	PASS
				RB38#0	19.82	16.82	33	PASS
				RB38#19	19.73	16.73	33	PASS
				RB38#39	19.81	16.81	33	PASS
				RB75#0	19.76	16.76	33	PASS
			HCH	RB1#0	21.89	18.89	33	PASS
				RB1#38	21.79	18.79	33	PASS
				RB1#74	20.9	17.9	33	PASS
				RB38#0	20.25	17.25	33	PASS
				RB38#19	20.45	17.45	33	PASS
				RB38#39	20.39	17.39	33	PASS
				RB75#0	20.36	17.36	33	PASS
		20	LCH	RB1#0	21.41	18.41	33	PASS
				RB1#50	21.21	18.21	33	PASS
				RB1#99	22.06	19.06	33	PASS
				RB50#0	20.14	17.14	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	19.95	16.95	33	PASS
				RB50#50	20.42	17.42	33	PASS
				RB100#0	20.45	17.45	33	PASS
			MCH	RB1#0	22.01	19.01	33	PASS
				RB1#50	21.18	18.18	33	PASS
				RB1#99	21.85	18.85	33	PASS
				RB50#0	20.16	17.16	33	PASS
				RB50#25	19.87	16.87	33	PASS
				RB50#50	20.09	17.09	33	PASS
				RB100#0	20.1	17.1	33	PASS
			HCH	RB1#0	22.32	19.32	33	PASS
				RB1#50	22	19	33	PASS
				RB1#99	21.69	18.69	33	PASS
				RB50#0	20.69	17.69	33	PASS
				RB50#25	20.18	17.18	33	PASS
				RB50#50	20.58	17.58	33	PASS
				RB100#0	20.69	17.69	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,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + 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(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND25	LTE/TM1	1.4	LCH	RB1#0	5.08	13	PASS
				RB1#3	4.83	13	PASS
				RB1#5	4.98	13	PASS
				RB3#0	5.21	13	PASS
				RB3#2	5.18	13	PASS
				RB3#3	5.26	13	PASS
				RB6#0	6.15	13	PASS
			MCH	RB1#0	5.33	13	PASS
				RB1#3	4.9	13	PASS
				RB1#5	5.25	13	PASS
				RB3#0	5.87	13	PASS
				RB3#2	5.84	13	PASS
				RB3#3	5.84	13	PASS
				RB6#0	6.38	13	PASS
			HCH	RB1#0	4.17	13	PASS
				RB1#3	4.24	13	PASS
				RB1#5	4.2	13	PASS
				RB3#0	4.78	13	PASS
				RB3#2	4.57	13	PASS
				RB3#3	4.79	13	PASS
				RB6#0	5.87	13	PASS
		3	LCH	RB1#0	5.05	13	PASS
				RB1#7	4.86	13	PASS
				RB1#14	5.21	13	PASS
				RB8#0	5.83	13	PASS
				RB8#4	5.9	13	PASS
				RB8#7	5.86	13	PASS
				RB15#0	6.16	13	PASS
			MCH	RB1#0	5.06	13	PASS
				RB1#7	4.93	13	PASS
				RB1#14	5.12	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	6.26	13	PASS
				RB8#4	6.08	13	PASS
				RB8#7	6.06	13	PASS
				RB15#0	6.37	13	PASS
			HCH	RB1#0	4.71	13	PASS
				RB1#7	4.08	13	PASS
				RB1#14	4.37	13	PASS
				RB8#0	5.6	13	PASS
				RB8#4	5.31	13	PASS
				RB8#7	5.43	13	PASS
				RB15#0	5.59	13	PASS
			LCH	RB1#0	4.93	13	PASS
				RB1#13	4.89	13	PASS
				RB1#24	5.25	13	PASS
				RB12#0	6.12	13	PASS
				RB12#6	6.15	13	PASS
				RB12#13	6.41	13	PASS
				RB25#0	6.15	13	PASS
		5	MCH	RB1#0	5.22	13	PASS
				RB1#13	5.13	13	PASS
				RB1#24	5.25	13	PASS
				RB12#0	6.68	13	PASS
				RB12#6	6.66	13	PASS
				RB12#13	6.76	13	PASS
				RB25#0	6.48	13	PASS
			HCH	RB1#0	4.77	13	PASS
				RB1#13	4.08	13	PASS
				RB1#24	4.53	13	PASS
				RB12#0	5.81	13	PASS
				RB12#6	5.51	13	PASS
				RB12#13	5.61	13	PASS
				RB25#0	5.91	13	PASS
		10	LCH	RB1#0	4.81	13	PASS
				RB1#25	4.78	13	PASS
				RB1#49	4.93	13	PASS
				RB25#0	6.56	13	PASS
				RB25#13	6.44	13	PASS
				RB25#25	6.62	13	PASS
				RB50#0	6.47	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	5.14	13	PASS
				RB1#25	5.06	13	PASS
				RB1#49	5.12	13	PASS
				RB25#0	6.67	13	PASS
				RB25#13	6.61	13	PASS
				RB25#25	6.65	13	PASS
				RB50#0	6.6	13	PASS
			HCH	RB1#0	4.63	13	PASS
				RB1#25	4.24	13	PASS
				RB1#49	4.27	13	PASS
				RB25#0	6.21	13	PASS
				RB25#13	5.83	13	PASS
				RB25#25	5.79	13	PASS
				RB50#0	6.14	13	PASS
			LCH	RB1#0	4.65	13	PASS
				RB1#38	4.92	13	PASS
				RB1#74	4.81	13	PASS
				RB38#0	6.5	13	PASS
				RB38#19	6.5	13	PASS
				RB38#39	6.58	13	PASS
				RB75#0	6.61	13	PASS
		15	MCH	RB1#0	4.94	13	PASS
				RB1#38	5.06	13	PASS
				RB1#74	5.1	13	PASS
				RB38#0	6.69	13	PASS
				RB38#19	6.64	13	PASS
				RB38#39	6.78	13	PASS
				RB75#0	6.76	13	PASS
			HCH	RB1#0	4.89	13	PASS
				RB1#38	4.56	13	PASS
				RB1#74	4.53	13	PASS
				RB38#0	6.36	13	PASS
				RB38#19	6.01	13	PASS
				RB38#39	5.71	13	PASS
				RB75#0	6.26	13	PASS
		20	LCH	RB1#0	4.59	13	PASS
				RB1#50	4.78	13	PASS
				RB1#99	4.54	13	PASS
				RB50#0	6.48	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	6.58	13	PASS
				RB50#50	6.34	13	PASS
				RB100#0	6.5	13	PASS
			MCH	RB1#0	4.64	13	PASS
				RB1#50	5.2	13	PASS
				RB1#99	4.93	13	PASS
				RB50#0	6.59	13	PASS
				RB50#25	6.71	13	PASS
				RB50#50	6.83	13	PASS
				RB100#0	6.83	13	PASS
			HCH	RB1#0	4.79	13	PASS
				RB1#50	4.56	13	PASS
				RB1#99	3.95	13	PASS
				RB50#0	6.31	13	PASS
				RB50#25	6.31	13	PASS
				RB50#50	5.73	13	PASS
				RB100#0	6.24	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.36	13	PASS
				RB1#3	5.34	13	PASS
				RB1#5	5.97	13	PASS
				RB3#0	6	13	PASS
				RB3#2	5.94	13	PASS
				RB3#3	6.15	13	PASS
				RB6#0	6.47	13	PASS
			MCH	RB1#0	6.36	13	PASS
				RB1#3	5.95	13	PASS
				RB1#5	6.24	13	PASS
				RB3#0	6.54	13	PASS
				RB3#2	6.57	13	PASS
				RB3#3	6.36	13	PASS
				RB6#0	6.82	13	PASS
			HCH	RB1#0	4.94	13	PASS
				RB1#3	4.93	13	PASS
				RB1#5	4.94	13	PASS
				RB3#0	5.56	13	PASS
				RB3#2	5.38	13	PASS
				RB3#3	5.36	13	PASS
				RB6#0	6.13	13	PASS
		3	LCH	RB1#0	5.78	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	5.6	13	PASS
				RB1#14	6.03	13	PASS
				RB8#0	6.32	13	PASS
				RB8#4	6.24	13	PASS
				RB8#7	6.42	13	PASS
				RB15#0	6.63	13	PASS
			MCH	RB1#0	6.36	13	PASS
				RB1#7	6.06	13	PASS
				RB1#14	6.03	13	PASS
				RB8#0	6.64	13	PASS
				RB8#4	6.68	13	PASS
				RB8#7	6.9	13	PASS
				RB15#0	7.17	13	PASS
			HCH	RB1#0	5.6	13	PASS
				RB1#7	4.75	13	PASS
				RB1#14	5.04	13	PASS
				RB8#0	6.22	13	PASS
				RB8#4	5.7	13	PASS
				RB8#7	5.89	13	PASS
				RB15#0	6.26	13	PASS
		5	LCH	RB1#0	5.93	13	PASS
				RB1#13	5.67	13	PASS
				RB1#24	6.17	13	PASS
				RB12#0	6.74	13	PASS
				RB12#6	6.7	13	PASS
				RB12#13	7.06	13	PASS
				RB25#0	7.1	13	PASS
			MCH	RB1#0	6.43	13	PASS
				RB1#13	6.06	13	PASS
				RB1#24	6.44	13	PASS
				RB12#0	7.16	13	PASS
				RB12#6	7.21	13	PASS
				RB12#13	7.2	13	PASS
				RB25#0	7.41	13	PASS
			HCH	RB1#0	5.67	13	PASS
				RB1#13	4.76	13	PASS
				RB1#24	5.23	13	PASS
				RB12#0	6.34	13	PASS
				RB12#6	6.07	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB12#13	6.17	13	PASS
				RB25#0	6.55	13	PASS
		10	LCH	RB1#0	5.89	13	PASS
				RB1#25	6.04	13	PASS
				RB1#49	6.11	13	PASS
				RB25#0	7.11	13	PASS
				RB25#13	7.07	13	PASS
				RB25#25	7.29	13	PASS
				RB50#0	7.32	13	PASS
			MCH	RB1#0	6.05	13	PASS
				RB1#25	5.93	13	PASS
				RB1#49	6.02	13	PASS
				RB25#0	7.5	13	PASS
				RB25#13	7.47	13	PASS
				RB25#25	7.51	13	PASS
				RB50#0	7.52	13	PASS
			HCH	RB1#0	5.87	13	PASS
				RB1#25	5.16	13	PASS
				RB1#49	5.22	13	PASS
				RB25#0	6.97	13	PASS
				RB25#13	6.49	13	PASS
				RB25#25	6.47	13	PASS
				RB50#0	6.99	13	PASS
		15	LCH	RB1#0	5.83	13	PASS
				RB1#38	5.98	13	PASS
				RB1#74	5.78	13	PASS
				RB38#0	7.12	13	PASS
				RB38#19	7.16	13	PASS
				RB38#39	7.23	13	PASS
				RB75#0	7.46	13	PASS
			MCH	RB1#0	6.1	13	PASS
				RB1#38	6.13	13	PASS
				RB1#74	6.3	13	PASS
				RB38#0	7.42	13	PASS
				RB38#19	7.46	13	PASS
				RB38#39	7.45	13	PASS
				RB75#0	7.69	13	PASS
			HCH	RB1#0	5.9	13	PASS
				RB1#38	5.52	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#74	5.11	13	PASS
				RB38#0	7.03	13	PASS
				RB38#19	6.59	13	PASS
				RB38#39	6.3	13	PASS
				RB75#0	7.16	13	PASS
		20	LCH	RB1#0	5.51	13	PASS
				RB1#50	5.29	13	PASS
				RB1#99	5.25	13	PASS
				RB50#0	7.07	13	PASS
				RB50#25	7.09	13	PASS
				RB50#50	6.87	13	PASS
				RB100#0	7.18	13	PASS
			MCH	RB1#0	5.24	13	PASS
				RB1#50	5.47	13	PASS
				RB1#99	5.44	13	PASS
				RB50#0	7.07	13	PASS
				RB50#25	7.28	13	PASS
				RB50#50	7.23	13	PASS
				RB100#0	7.5	13	PASS
			HCH	RB1#0	5.51	13	PASS
				RB1#50	5.4	13	PASS
				RB1#99	4.92	13	PASS
				RB50#0	6.76	13	PASS
				RB50#25	6.88	13	PASS
				RB50#50	6.26	13	PASS
				RB100#0	6.93	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = BAND25

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
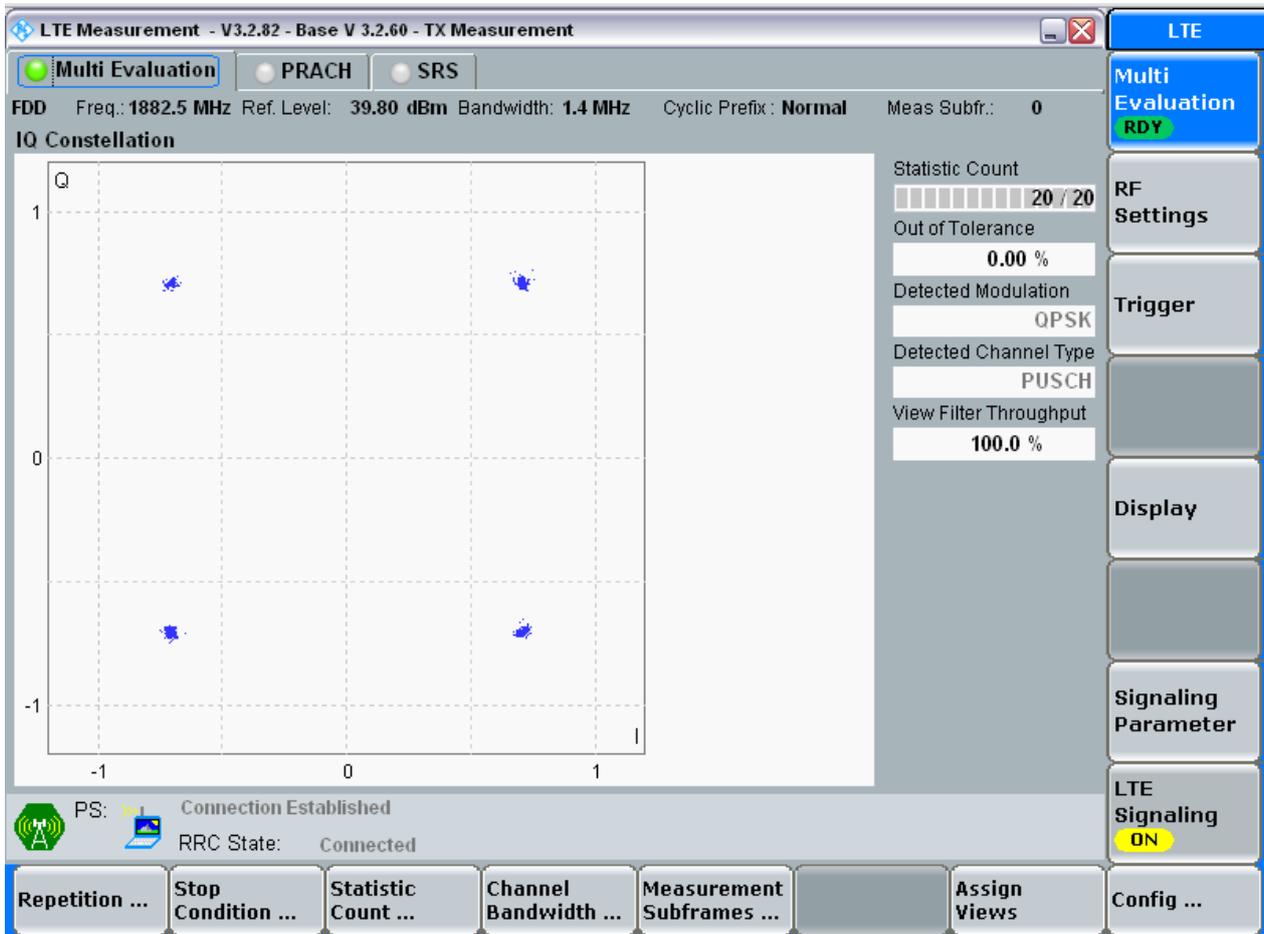
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB15#0
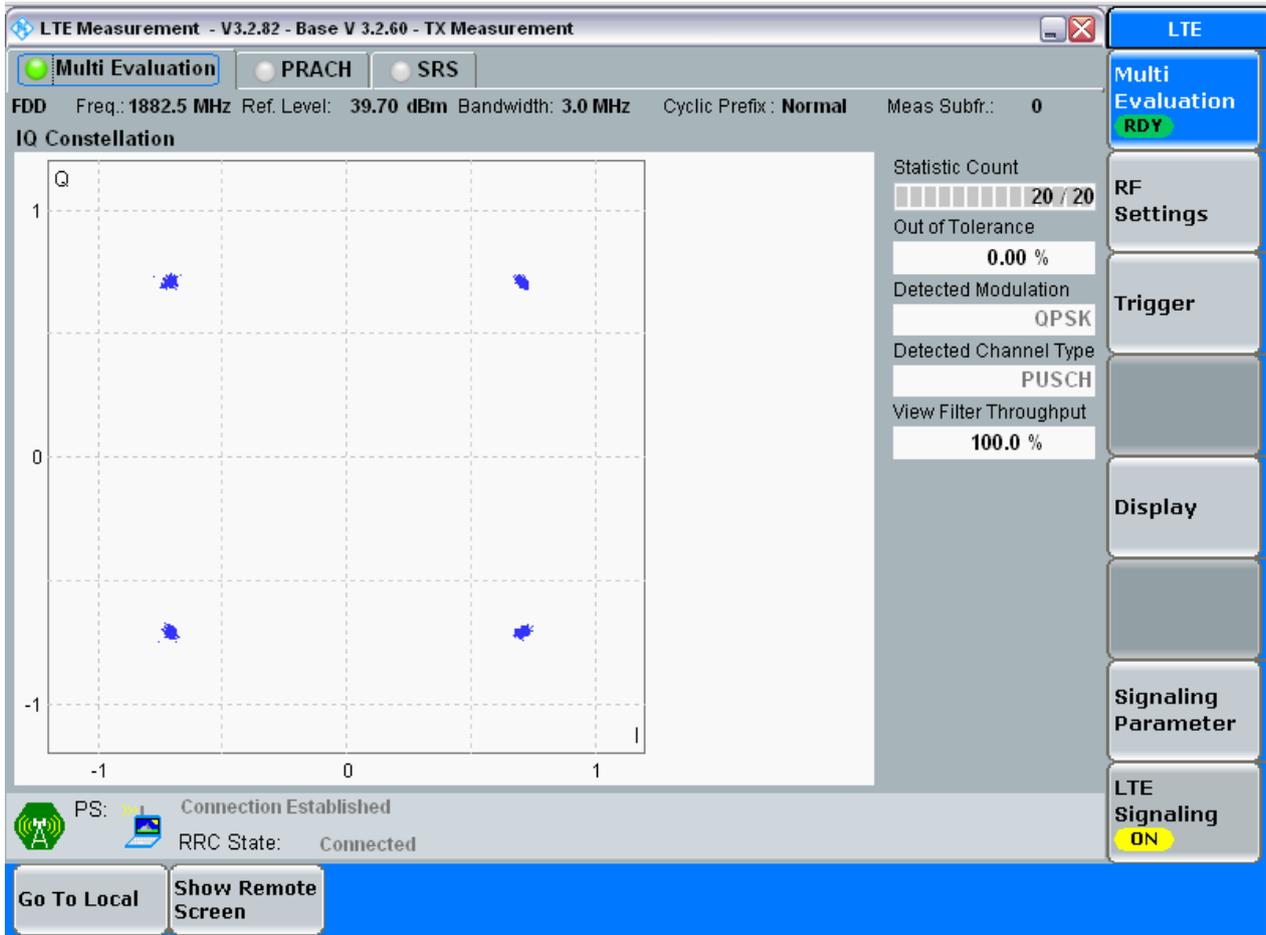
3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

3.1.1.1.3.1.1 Test RB = RB25#0
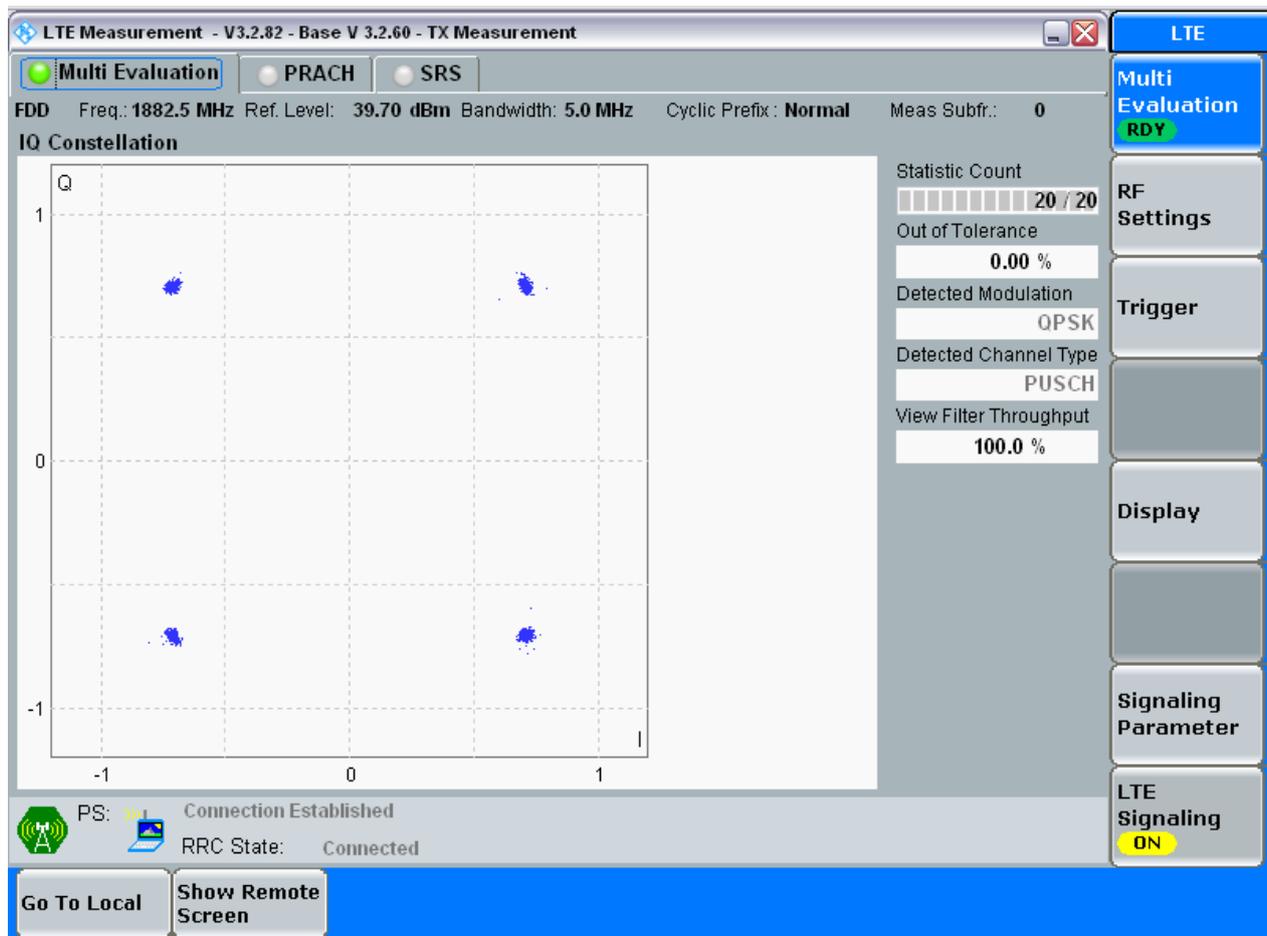
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0
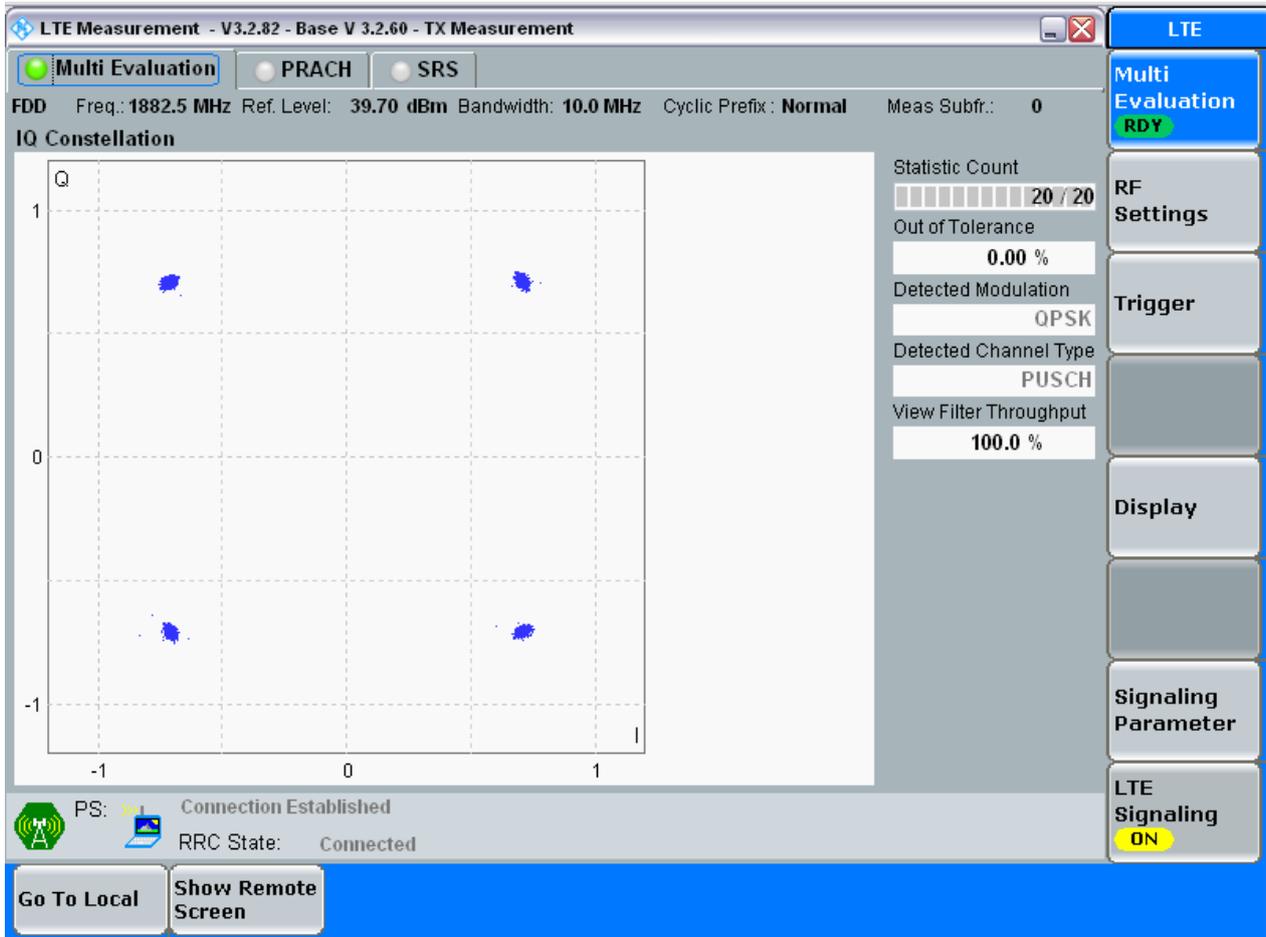
3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

3.1.1.1.5.1.1 Test RB = RB75#0
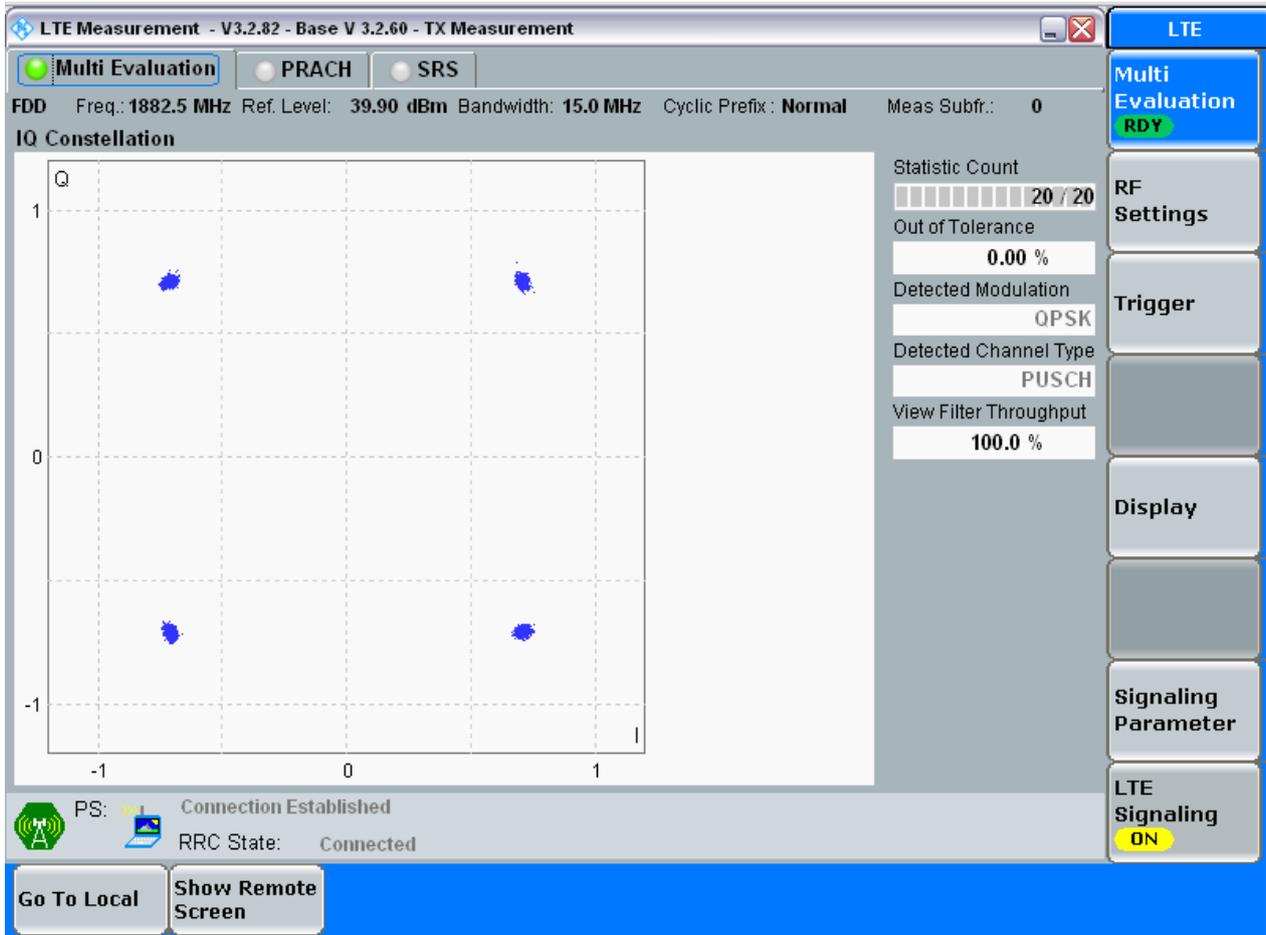
3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH
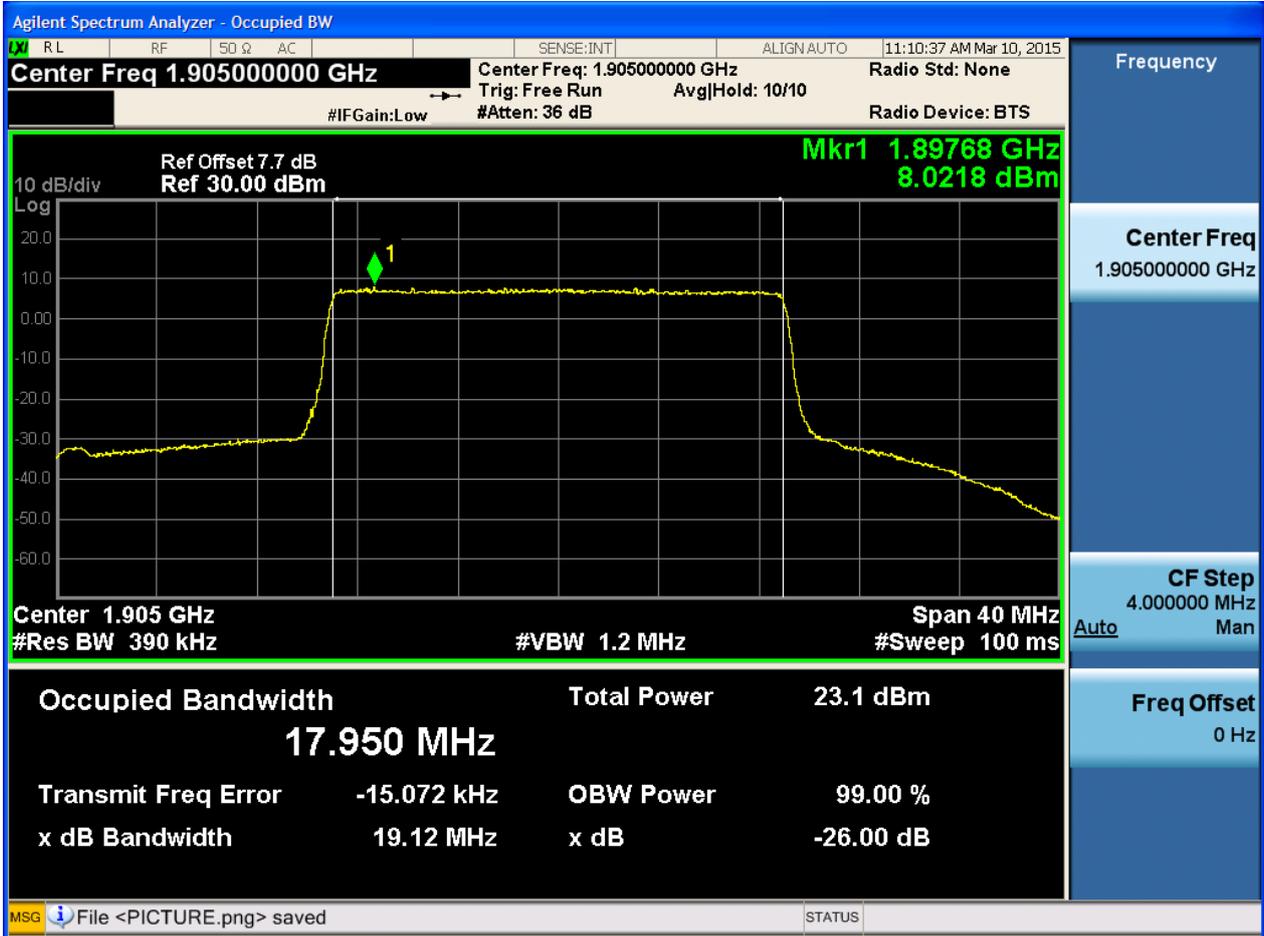
### 3.1.1.1.6.1.1 Test RB = RB100#0
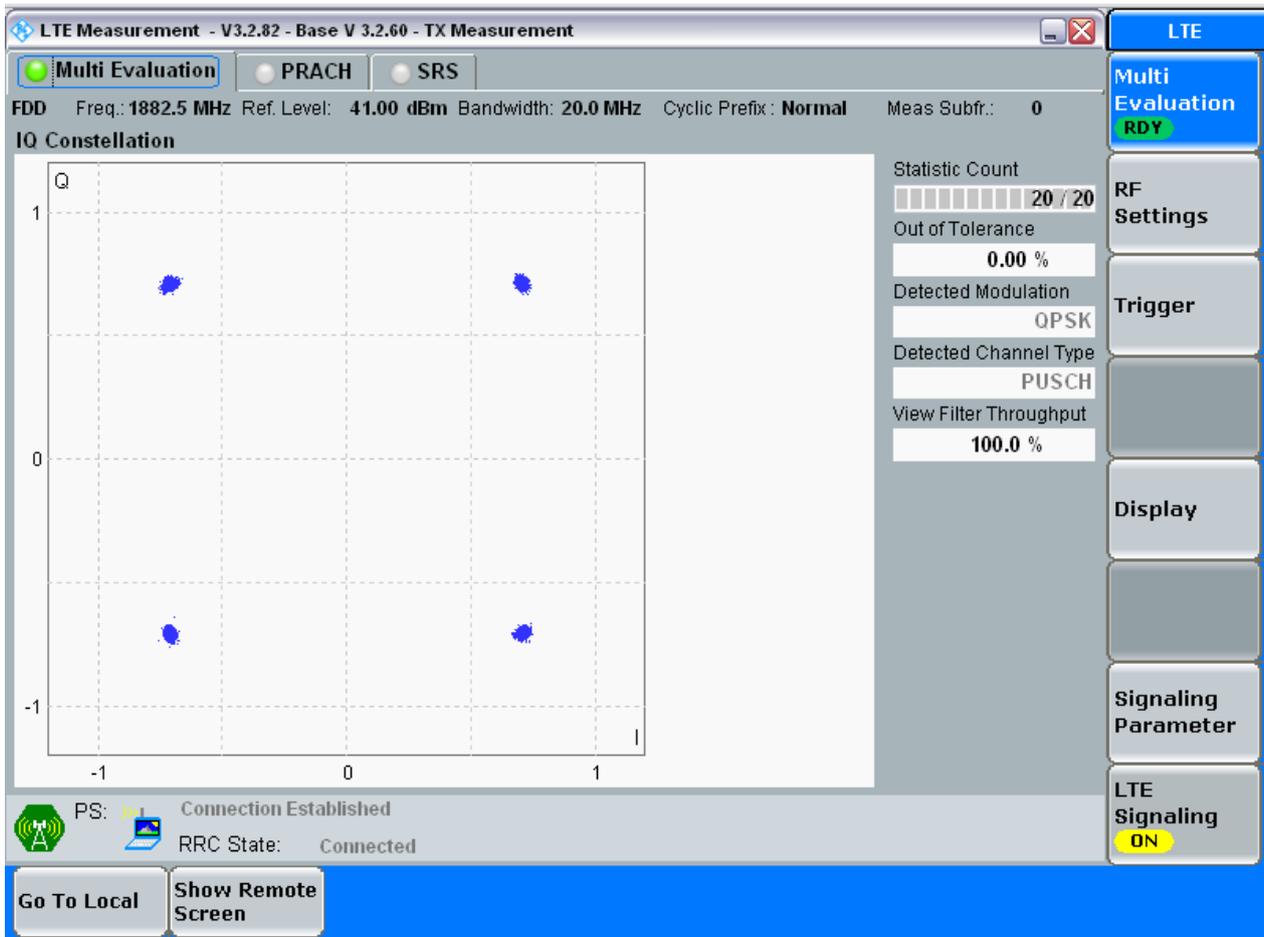
3.1.1.2 Test Mode = LTE/TM2

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
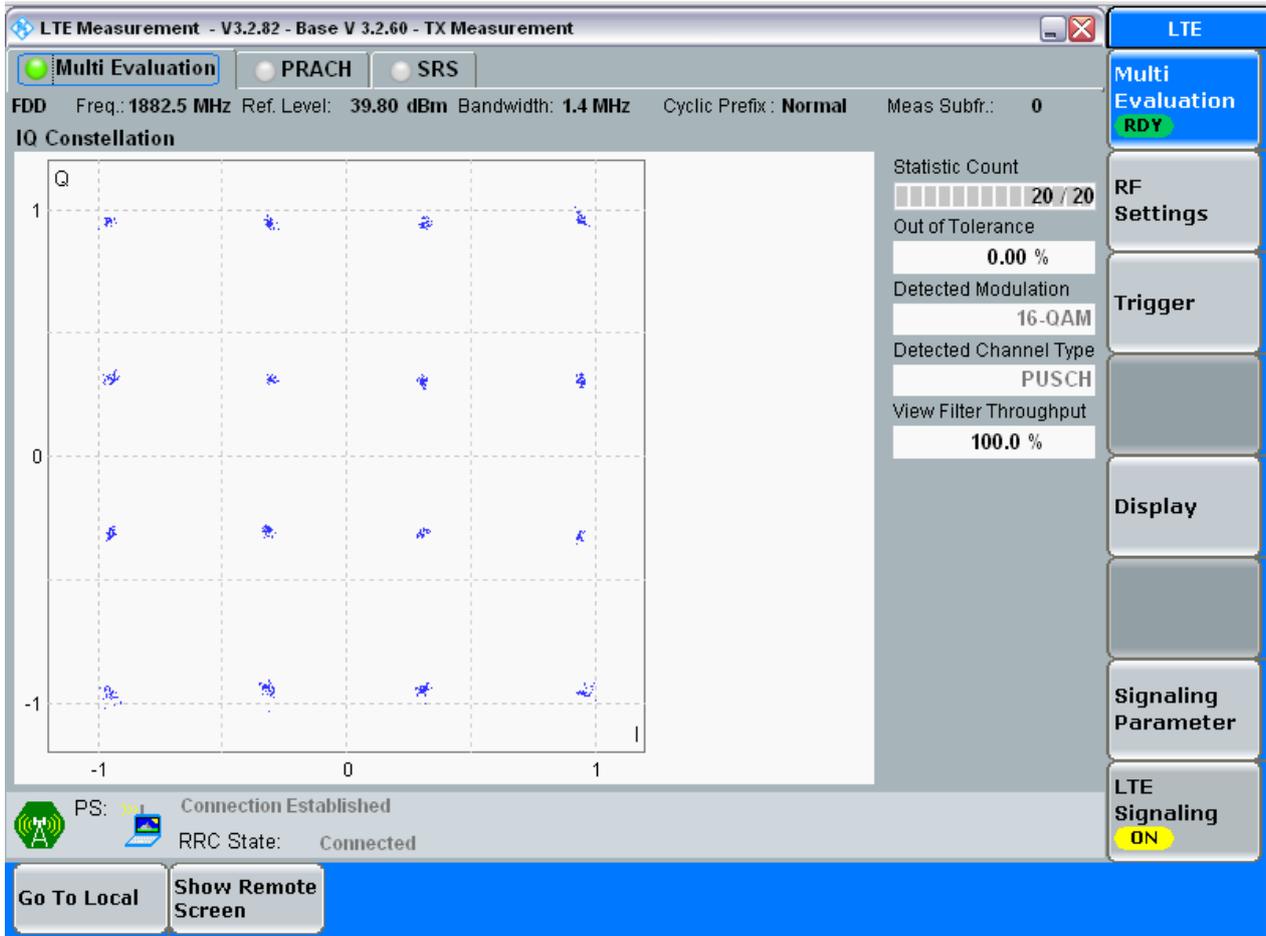
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB15#0
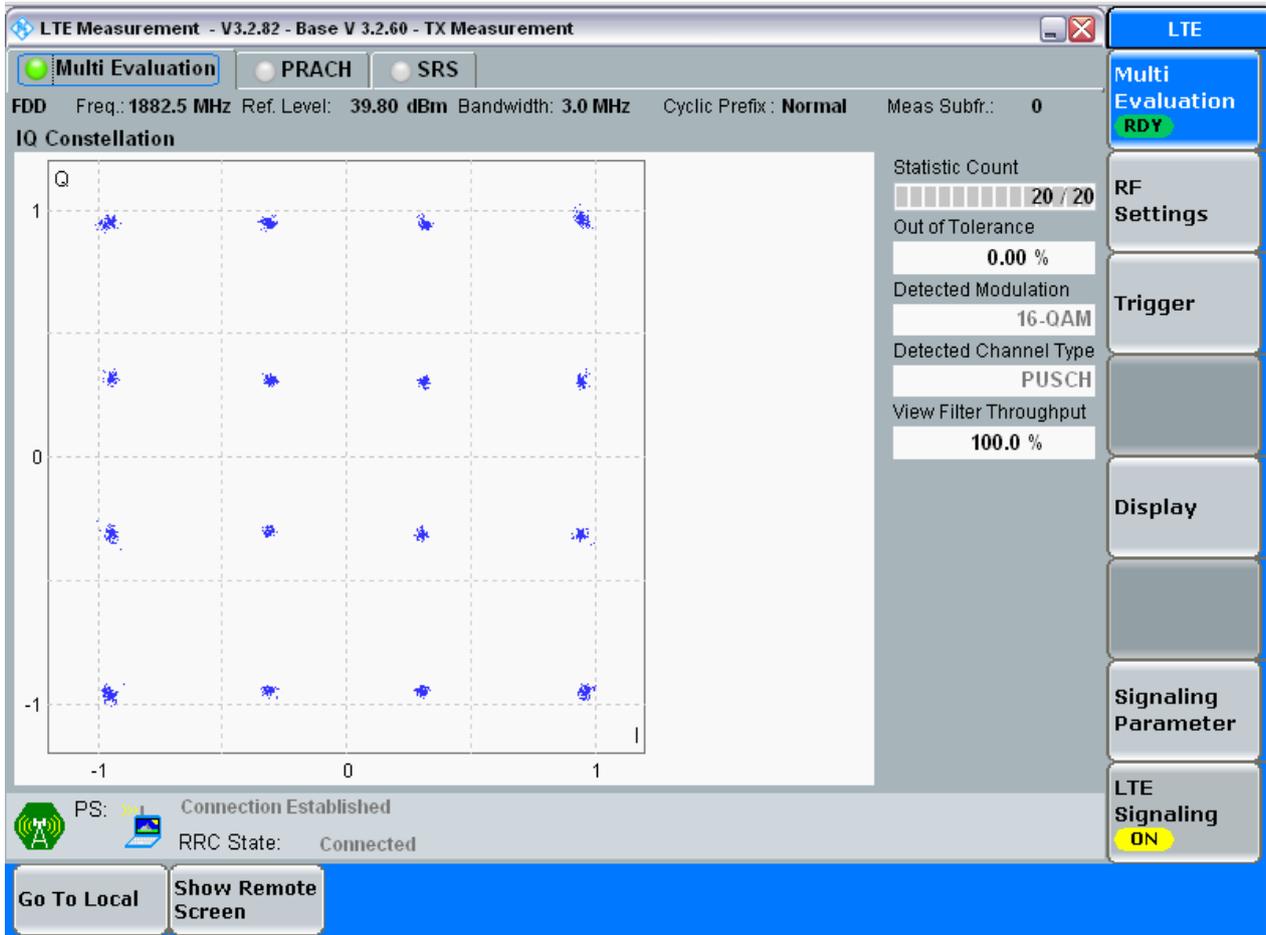
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

3.1.1.2.3.1.1 Test RB = RB25#0
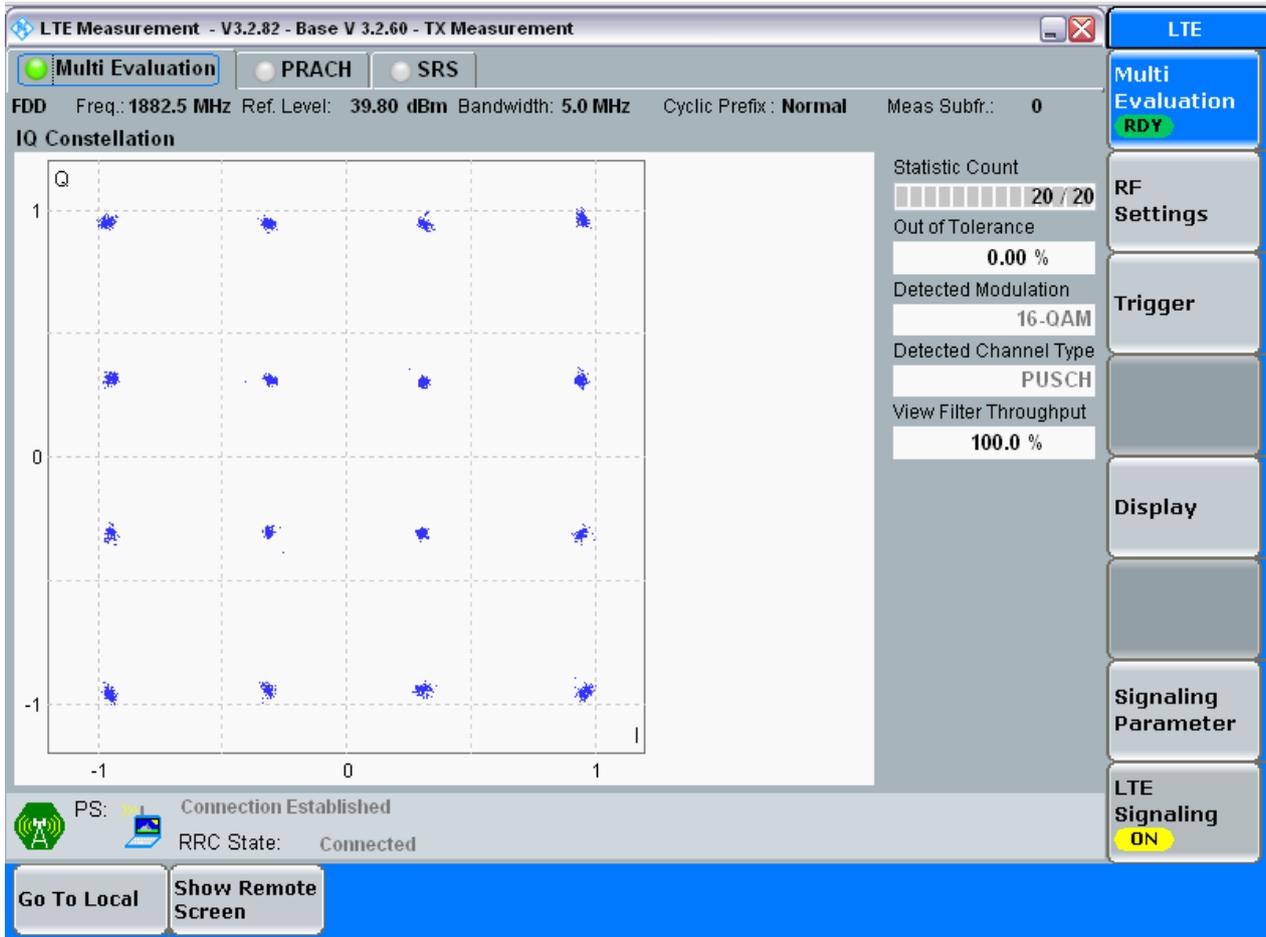
3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0
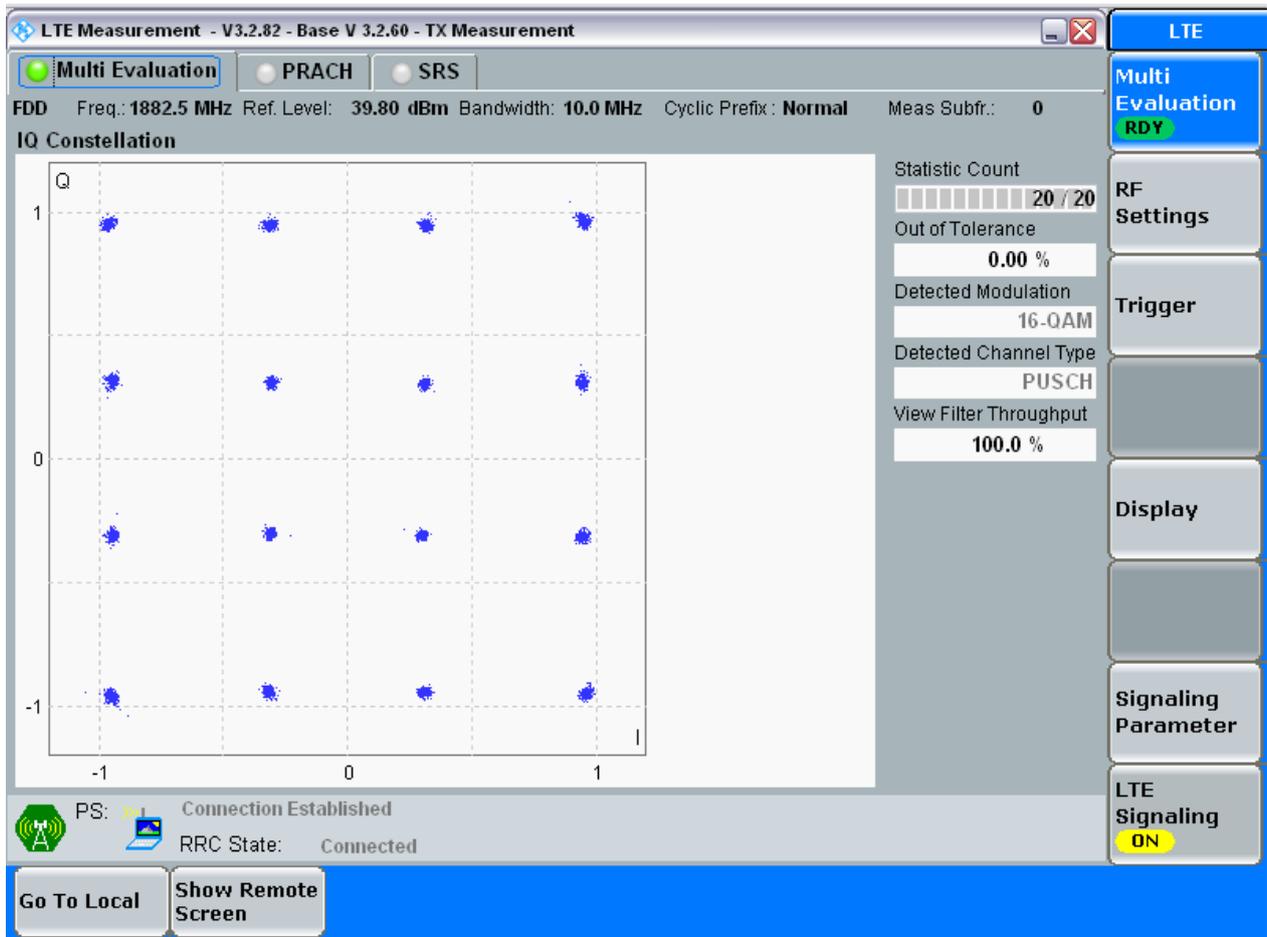
3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

3.1.1.2.5.1.1 Test RB = RB75#0
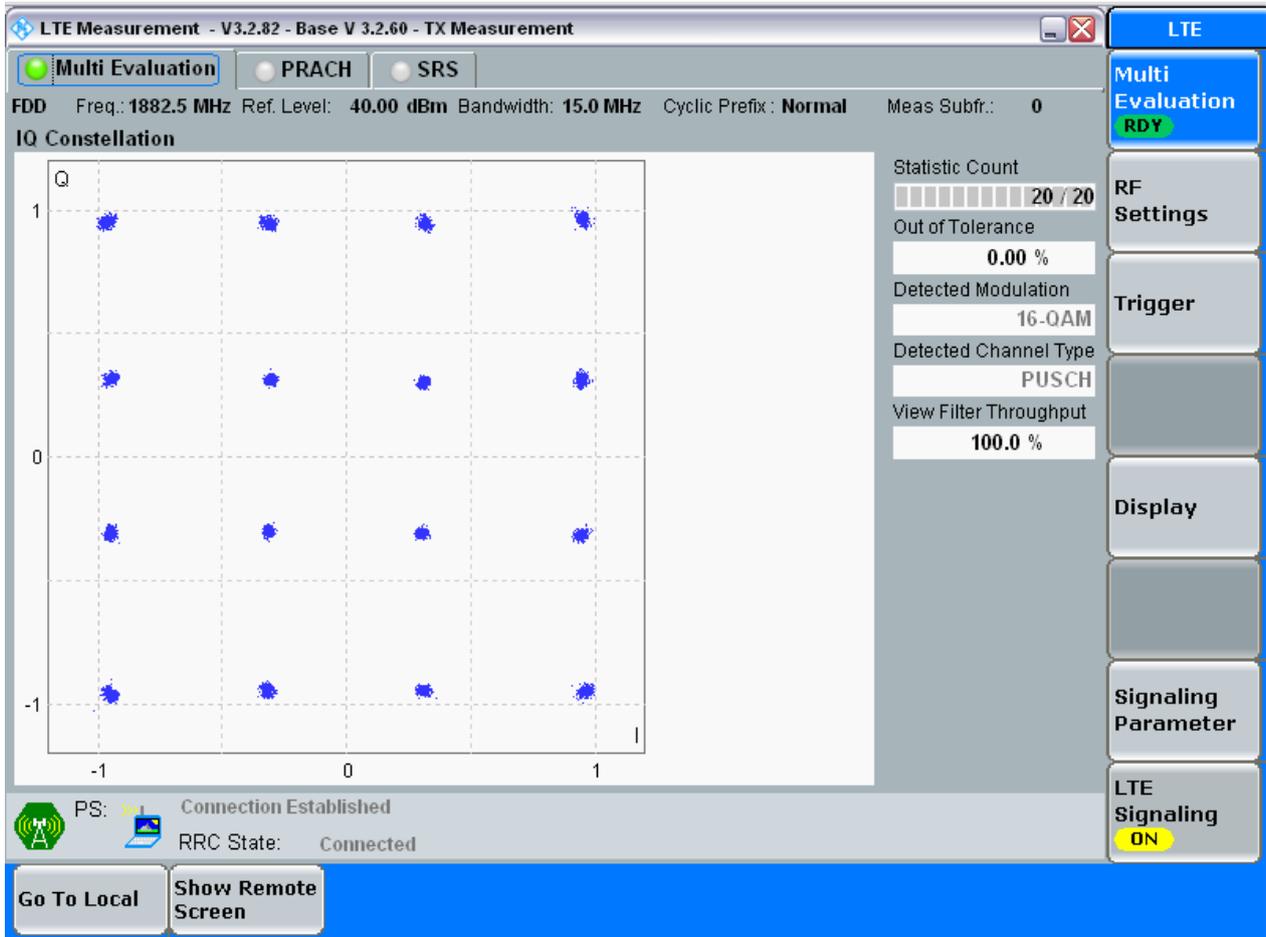
3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 Test RB = RB100#0
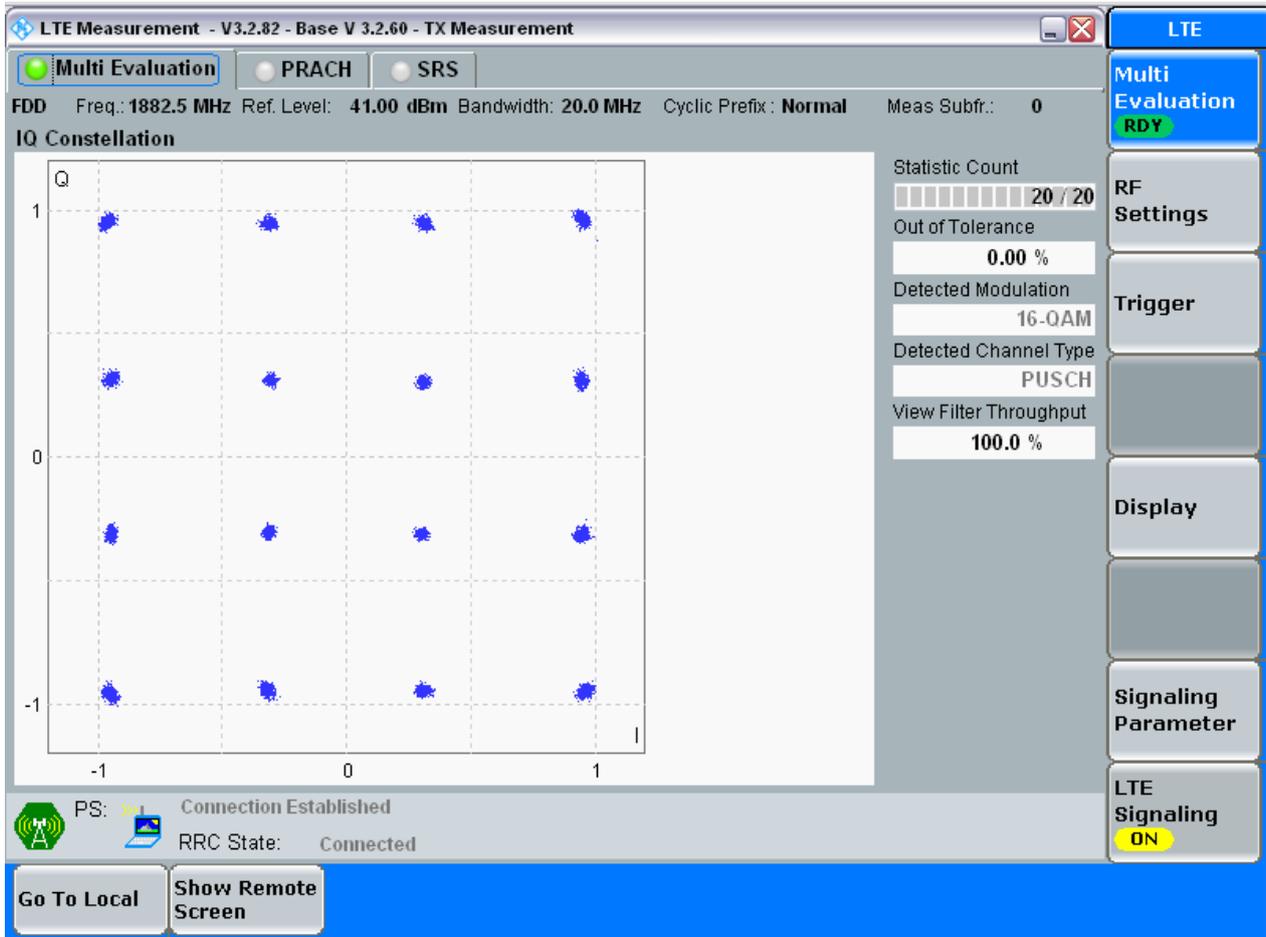
4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND25	LTE/TM1	1.4	LCH	RB6#0	1.09	1.22	Pass
			MCH	RB6#0	1.09	1.22	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.92	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.49	4.86	Pass
			MCH	RB25#0	4.50	4.85	Pass
			HCH	RB25#0	4.49	4.86	Pass
		10	LCH	RB50#0	9.00	9.66	Pass
			MCH	RB50#0	9.00	9.63	Pass
			HCH	RB50#0	9.01	9.65	Pass
		15	LCH	RB75#0	13.50	14.50	Pass
			MCH	RB75#0	13.51	14.47	Pass
			HCH	RB75#0	13.47	14.32	Pass
		20	LCH	RB100#0	17.96	19.01	Pass
			MCH	RB100#0	18.02	19.07	Pass
			HCH	RB100#0	17.95	19.12	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.71	2.94	Pass
			MCH	RB15#0	2.71	2.93	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.49	4.86	Pass
			MCH	RB25#0	4.49	4.88	Pass
			HCH	RB25#0	4.49	4.84	Pass
		10	LCH	RB50#0	9.00	9.68	Pass
			MCH	RB50#0	9.01	9.68	Pass
			HCH	RB50#0	8.99	9.67	Pass
		15	LCH	RB75#0	13.48	14.36	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB75#0	13.51	14.43	Pass
			HCH	RB75#0	13.47	14.41	Pass
		20	LCH	RB100#0	17.96	19.06	Pass
			MCH	RB100#0	18.03	19.11	Pass
			HCH	RB100#0	17.96	19.07	Pass

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND25

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
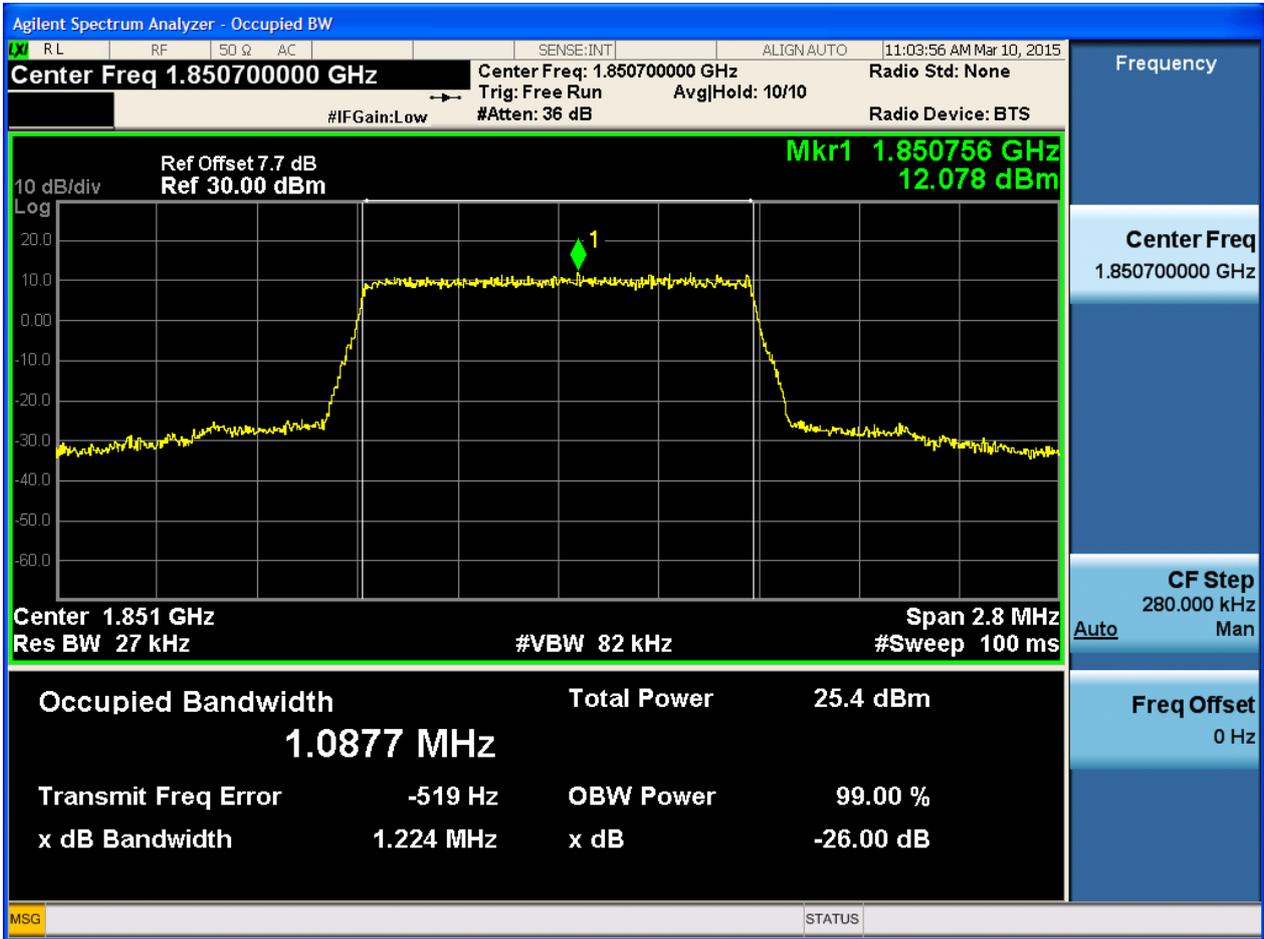
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0
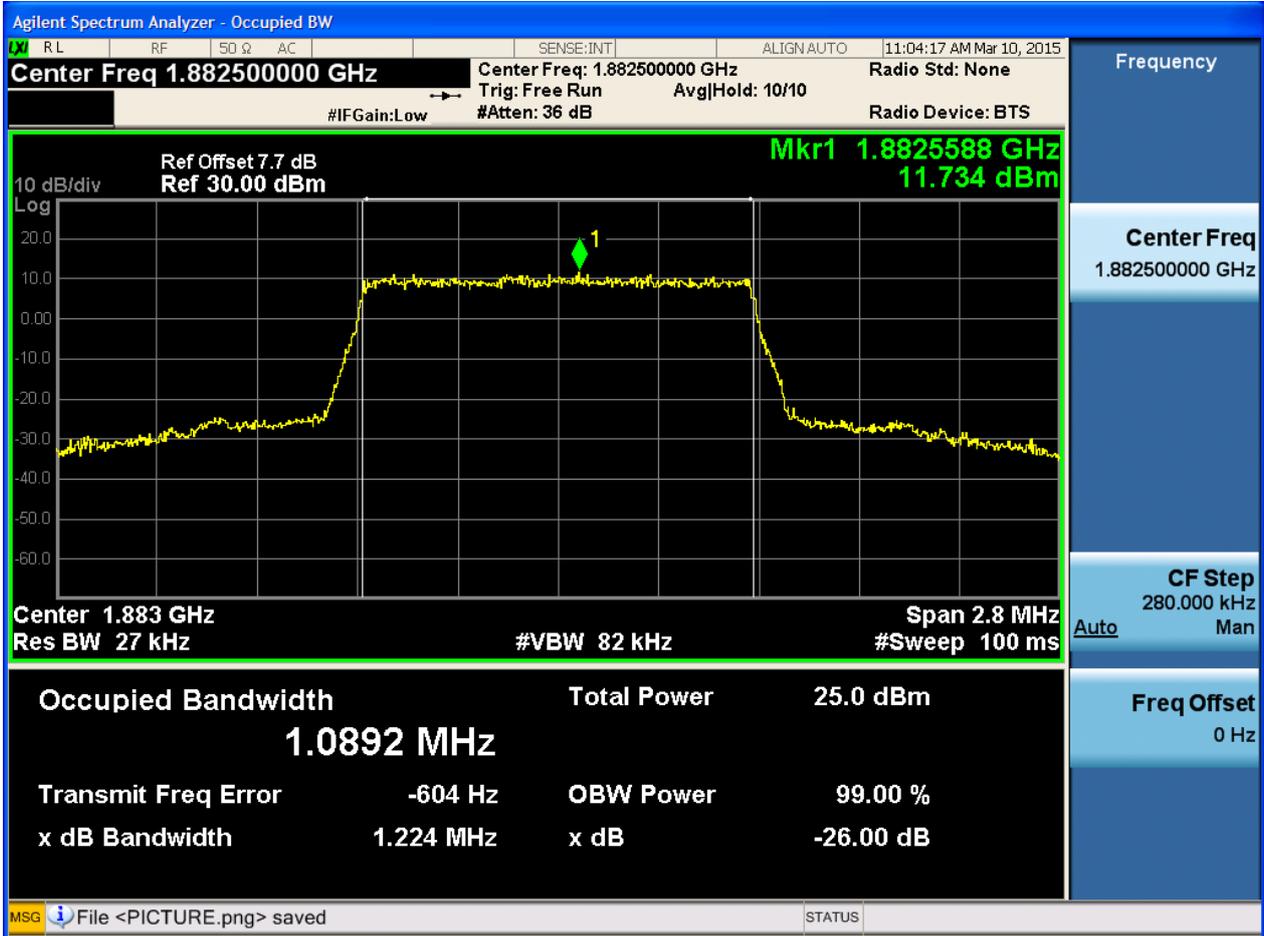
4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0
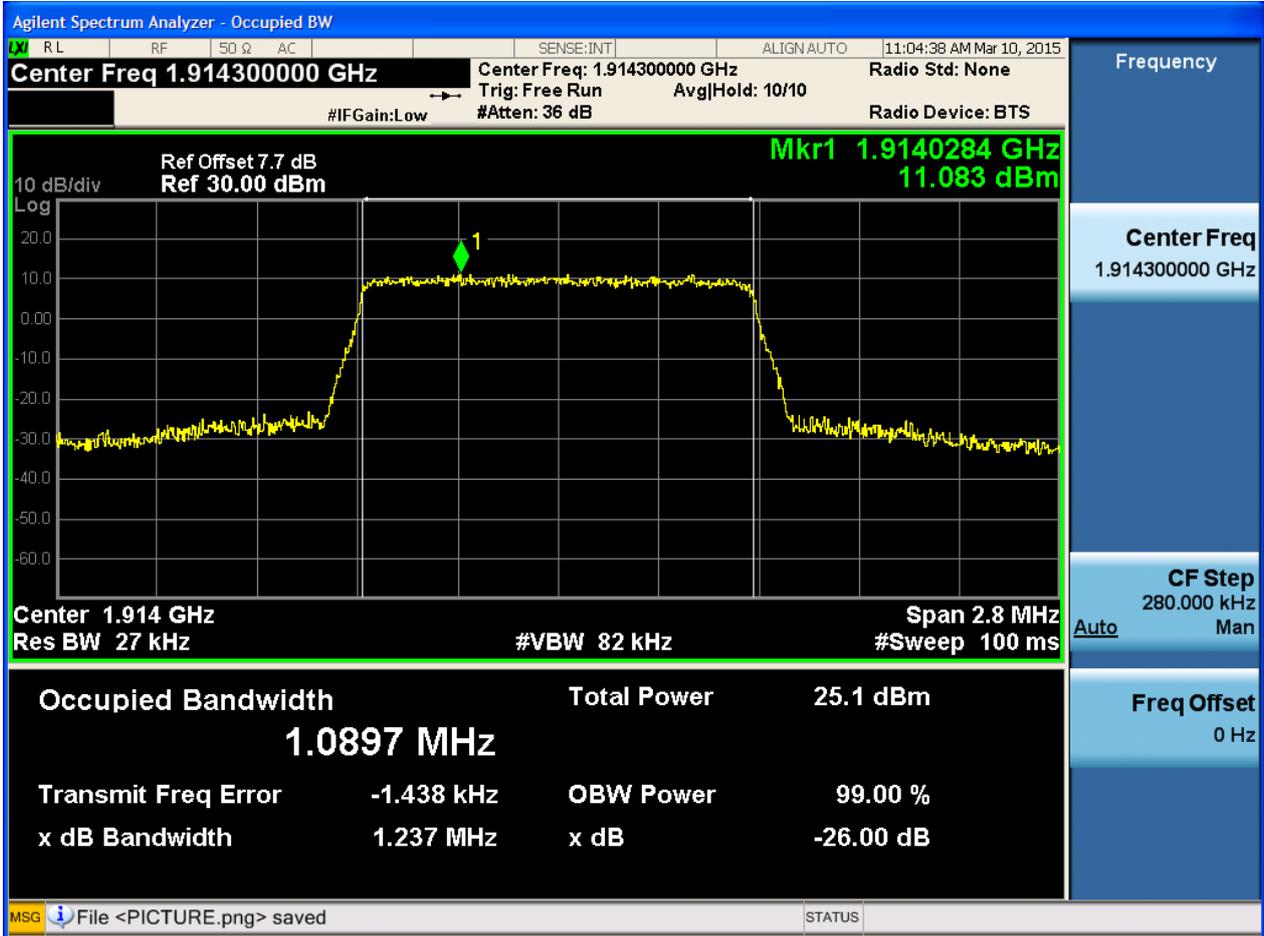
4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0
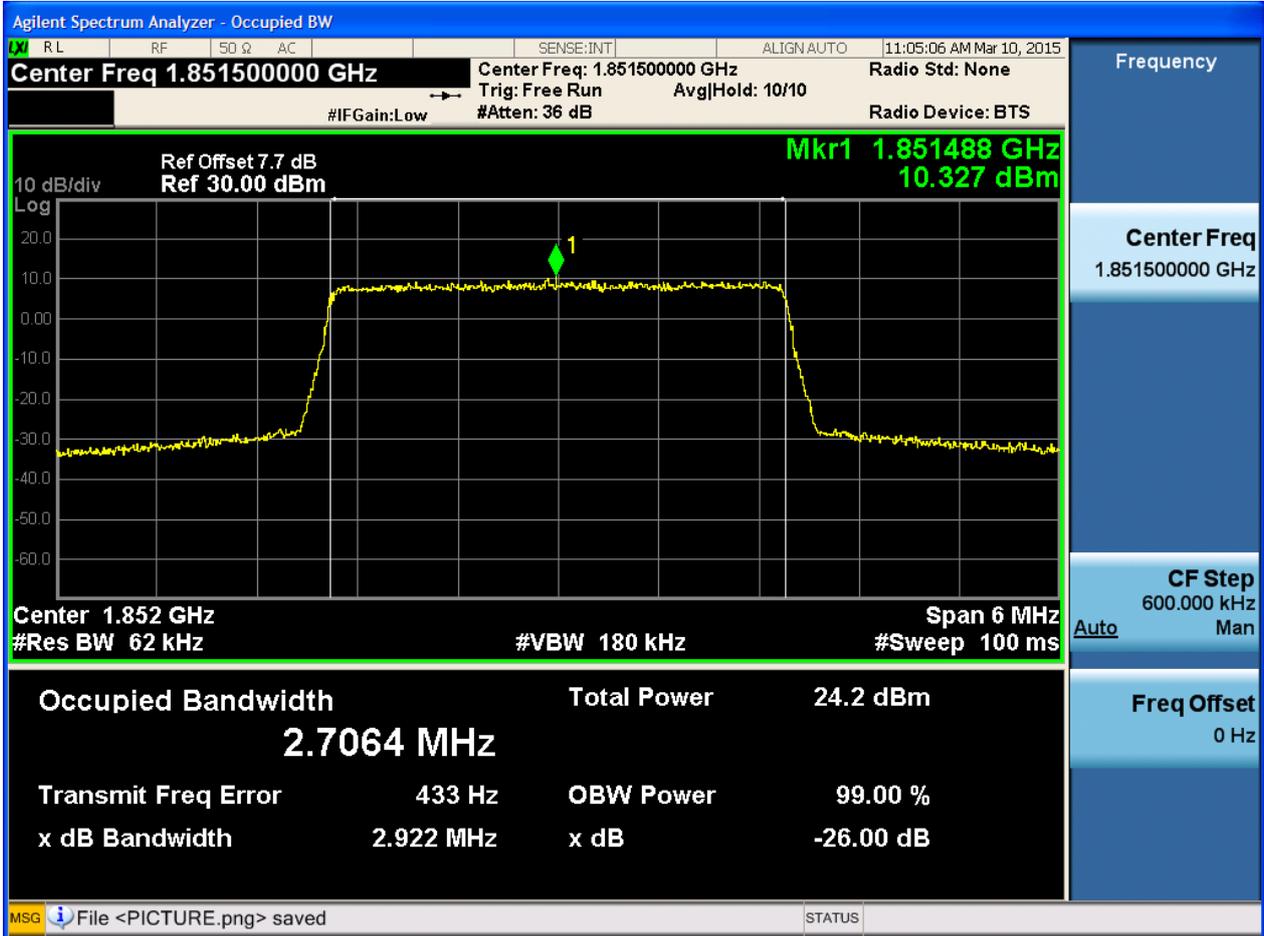
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0
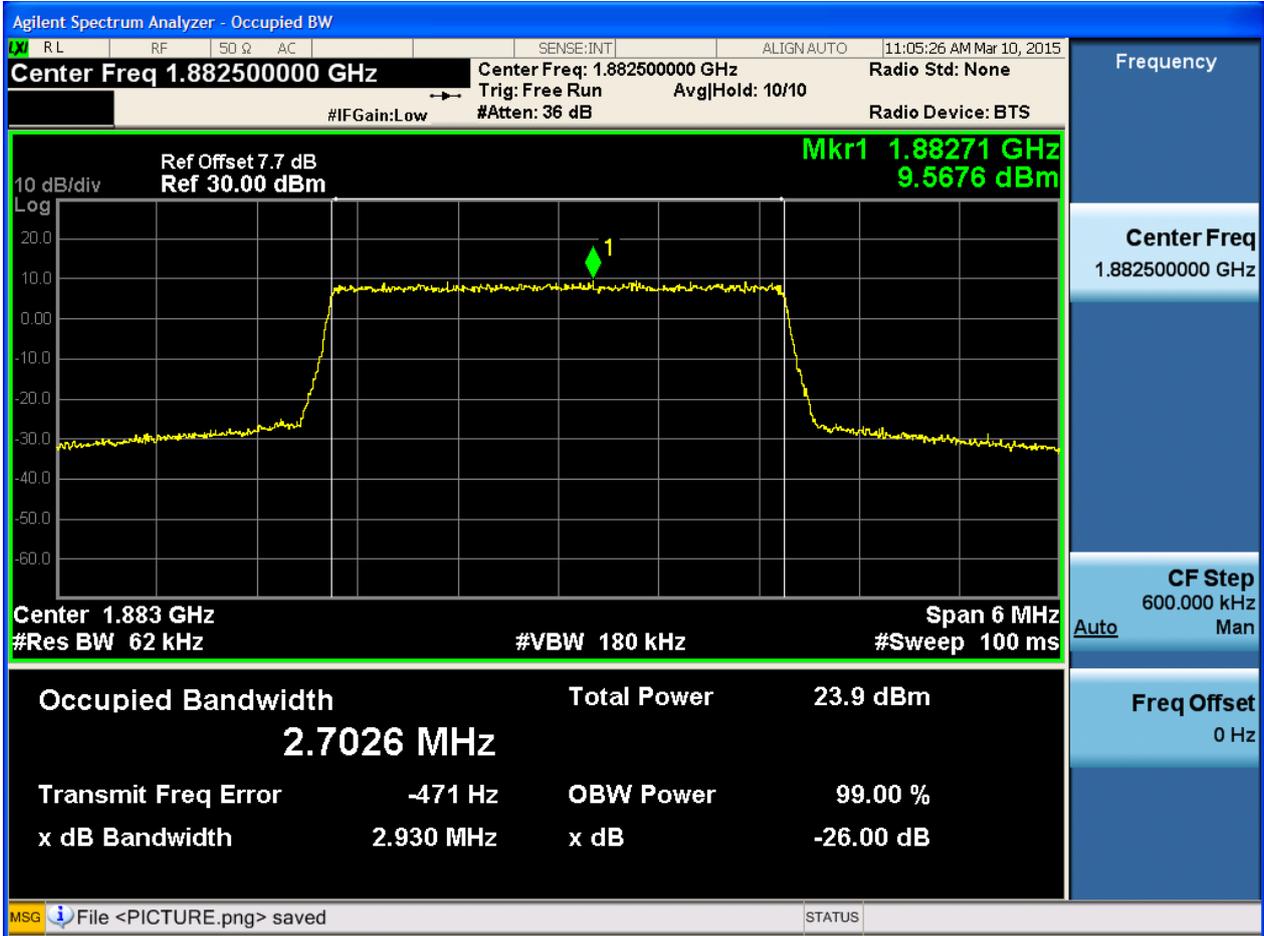
4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0
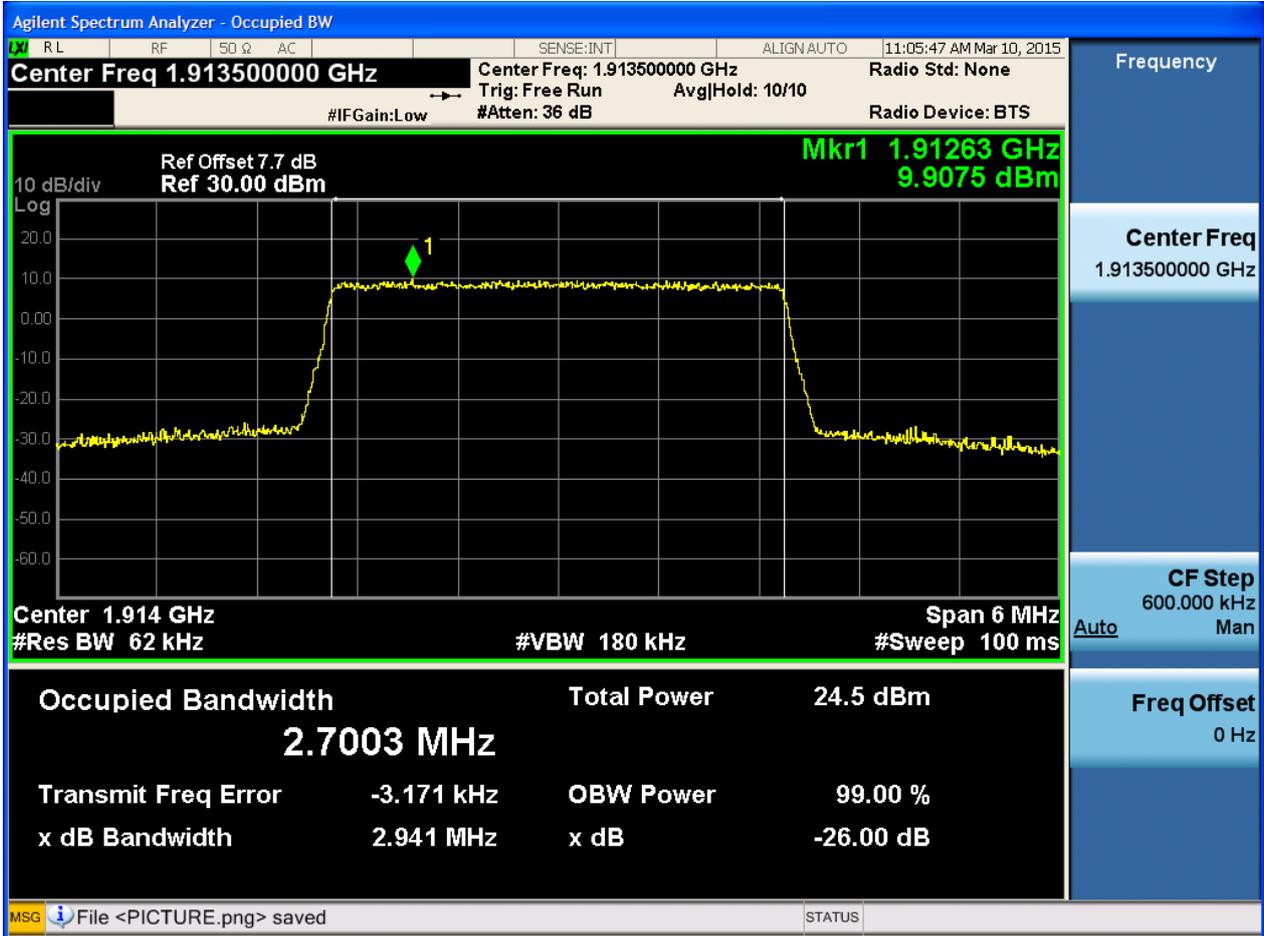
4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0

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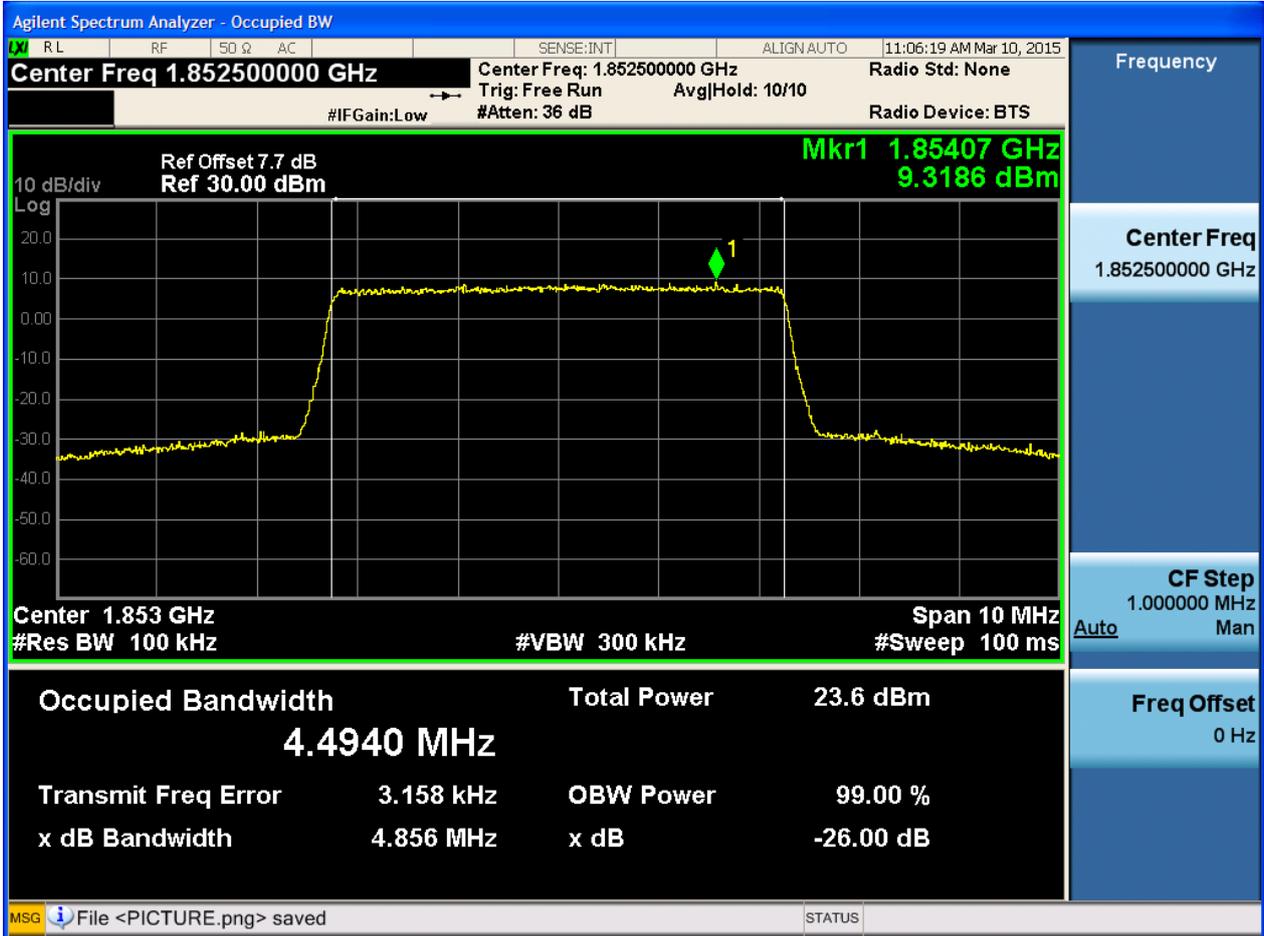
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0
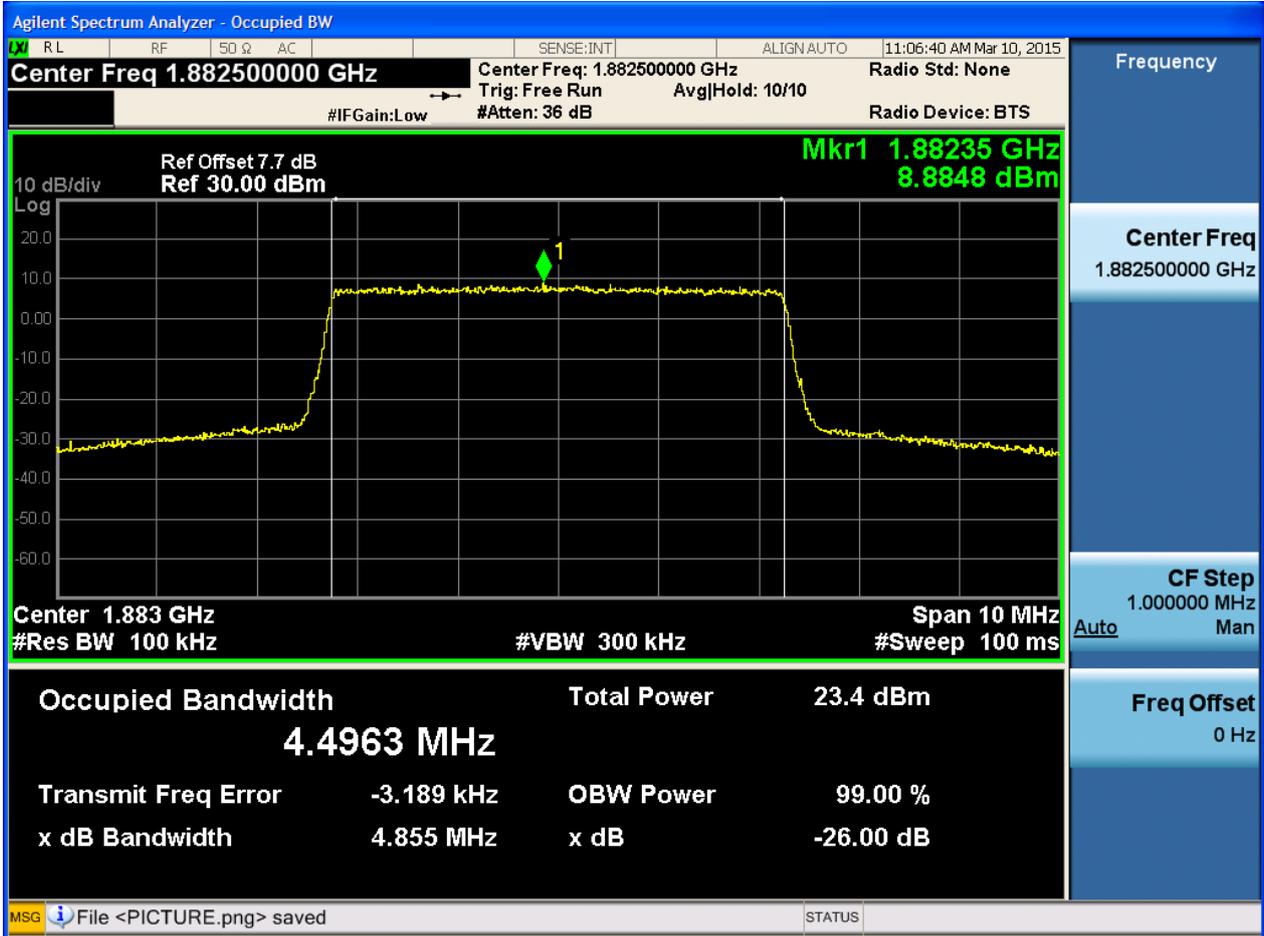
4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0
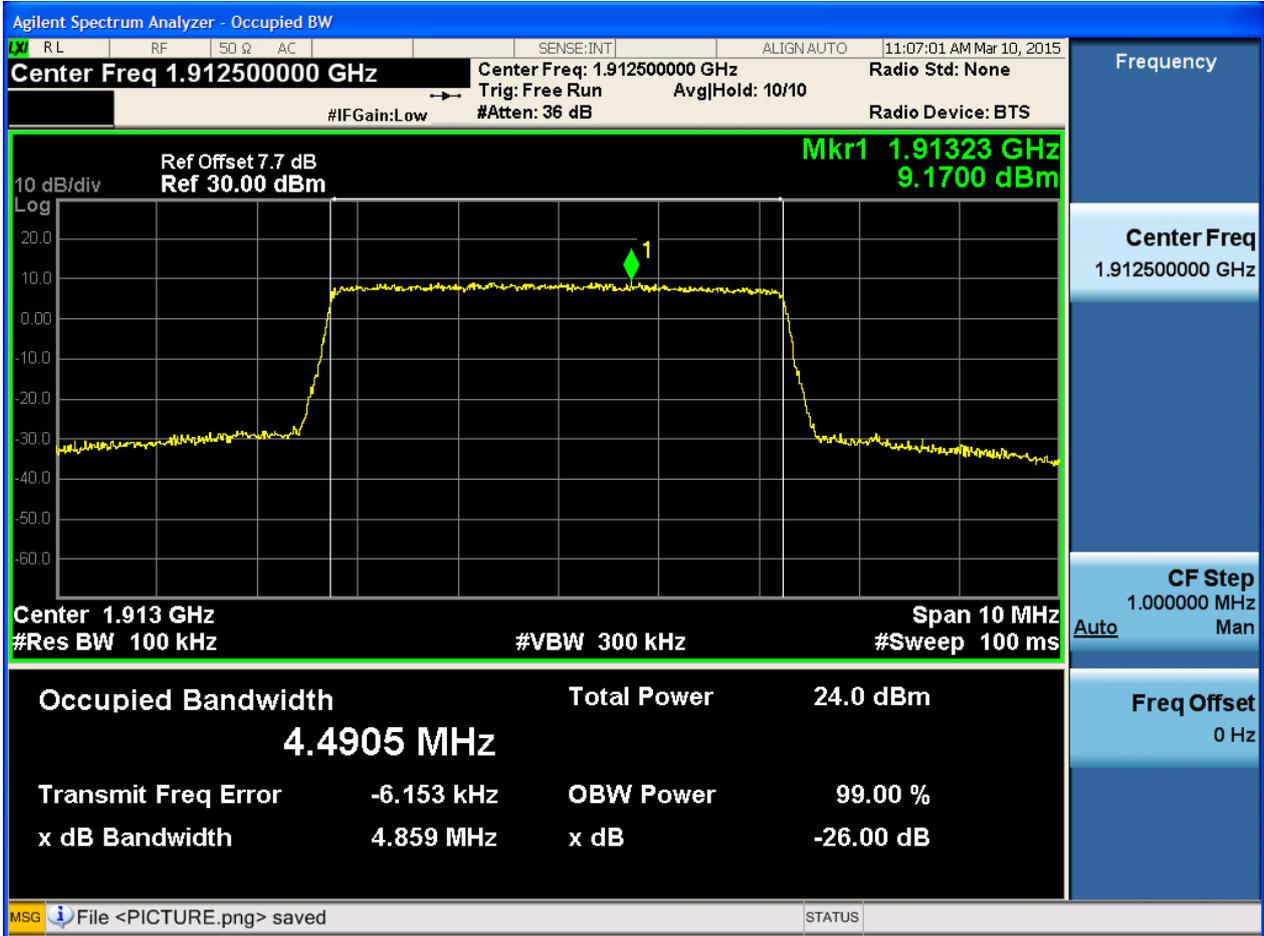
4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0

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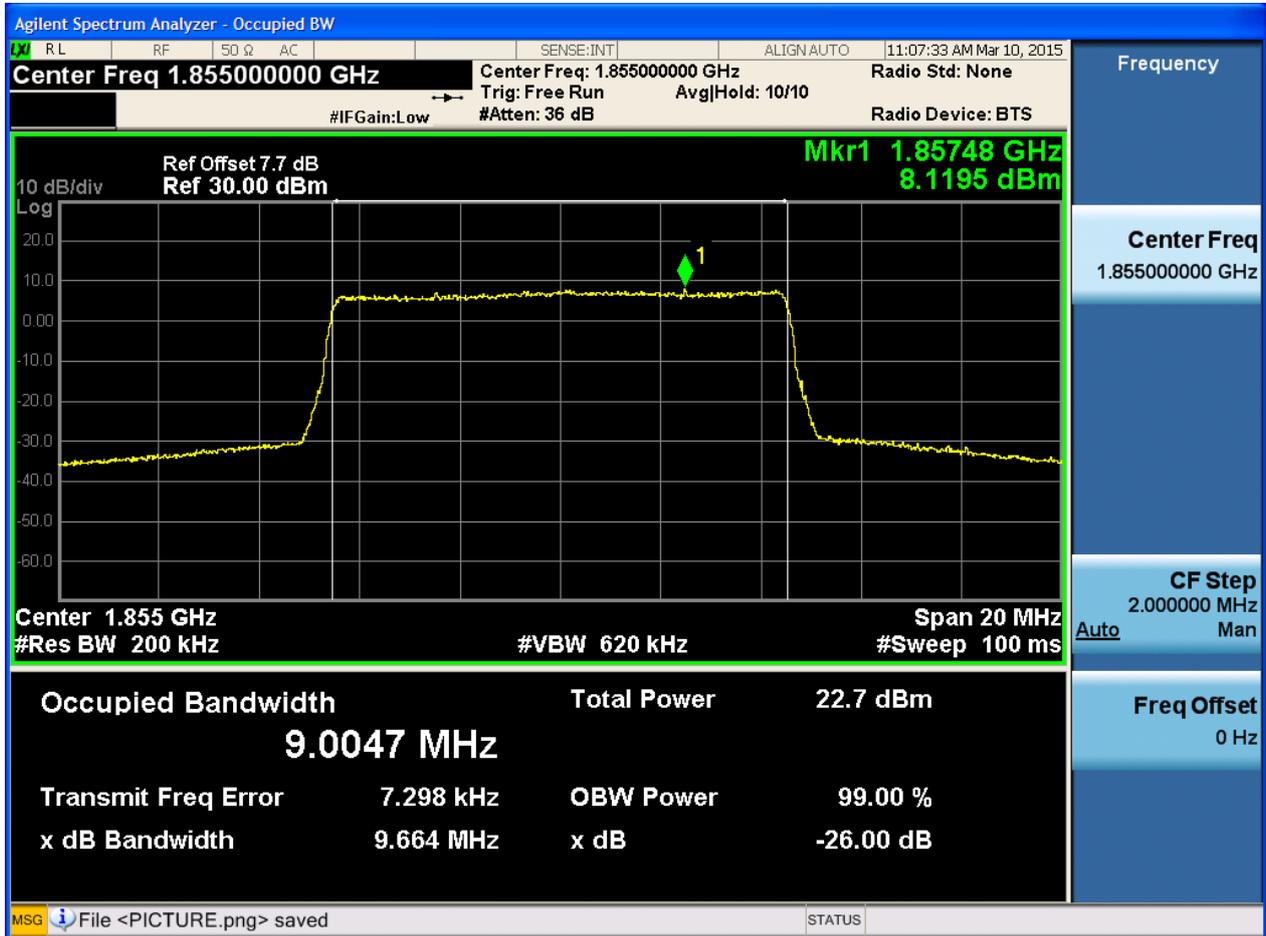
4.1.1.1.4.2 Test Channel = MCH

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
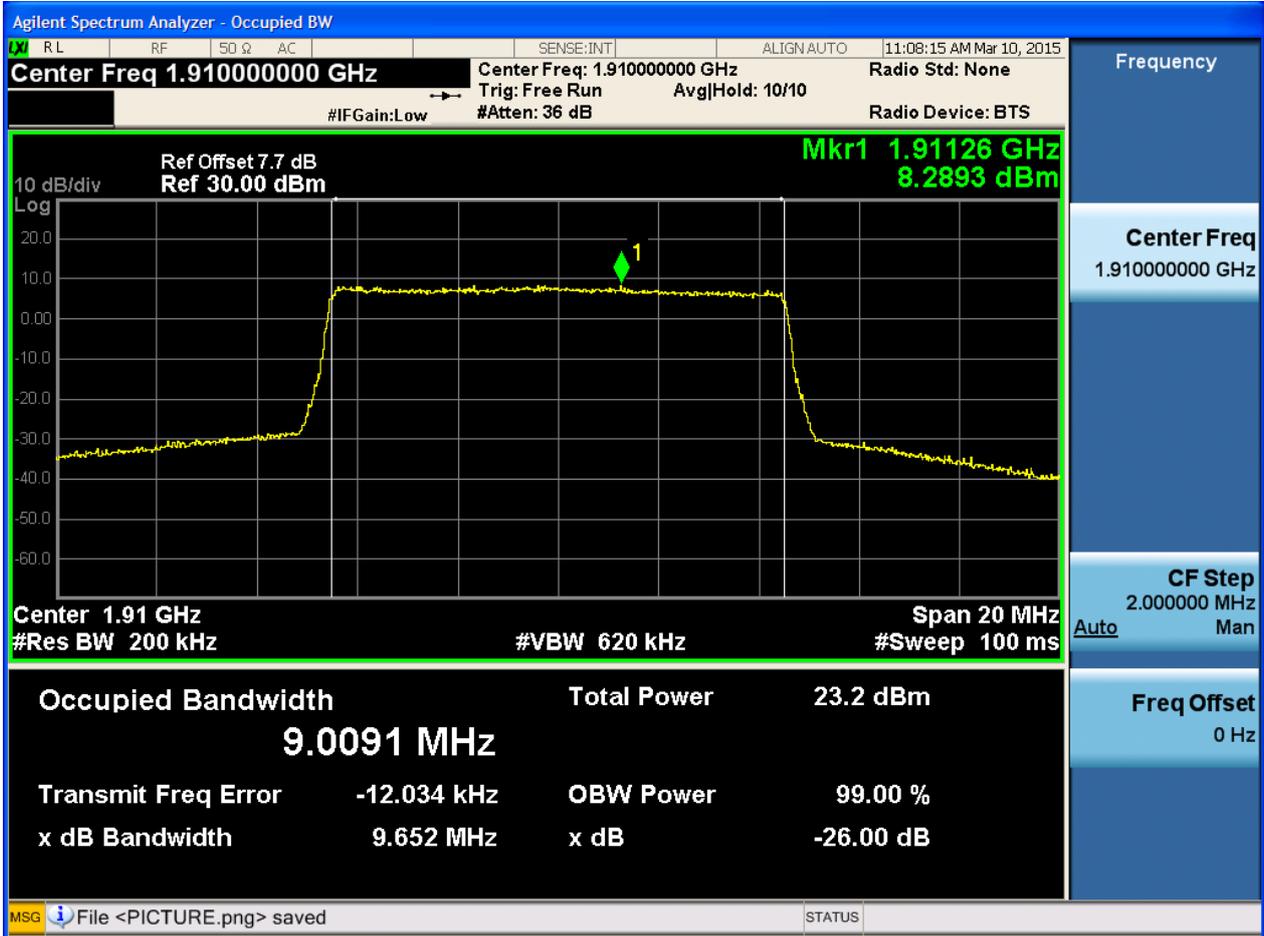
4.1.1.1.5 Test Bandwidth = 15
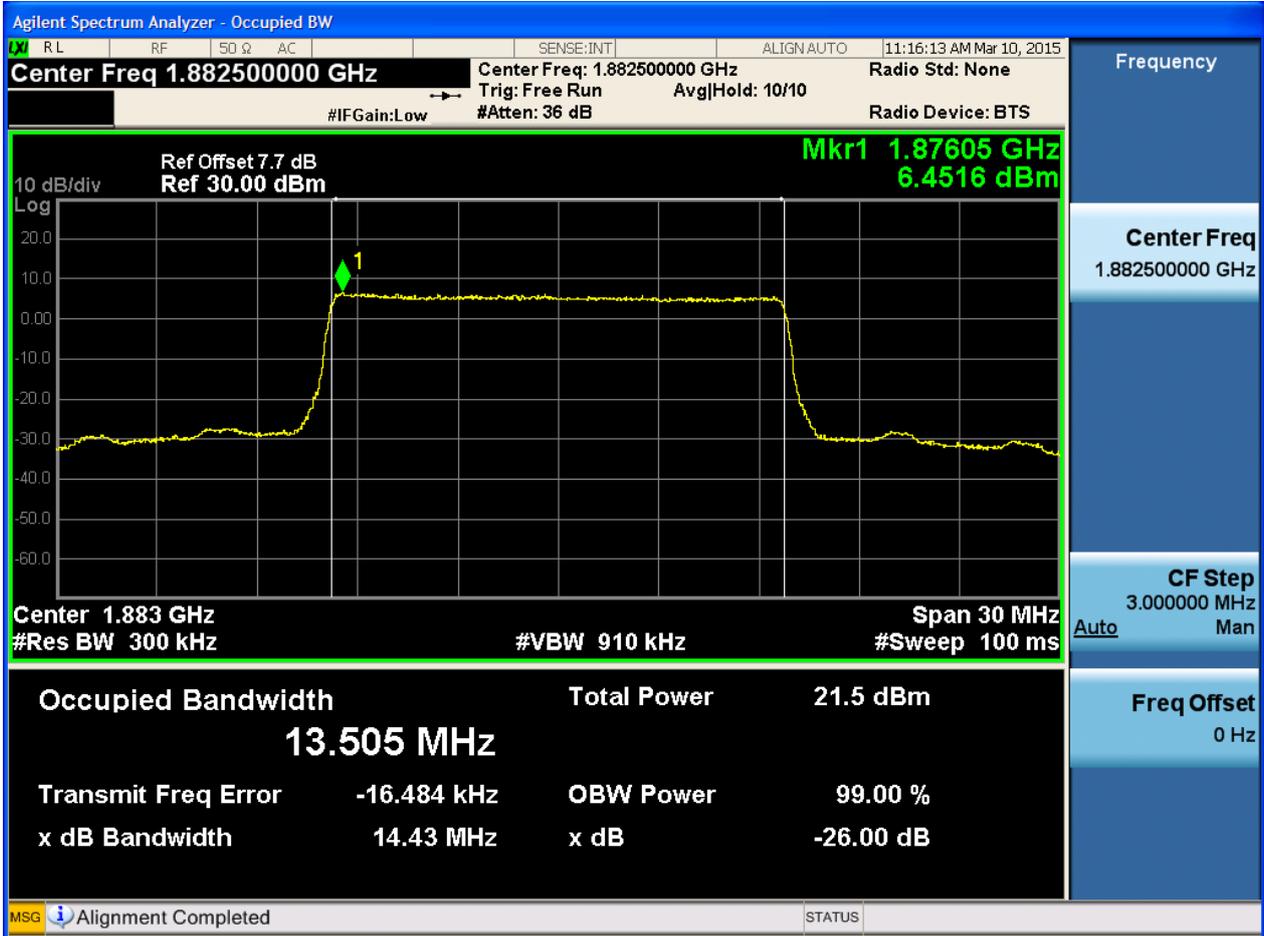
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0

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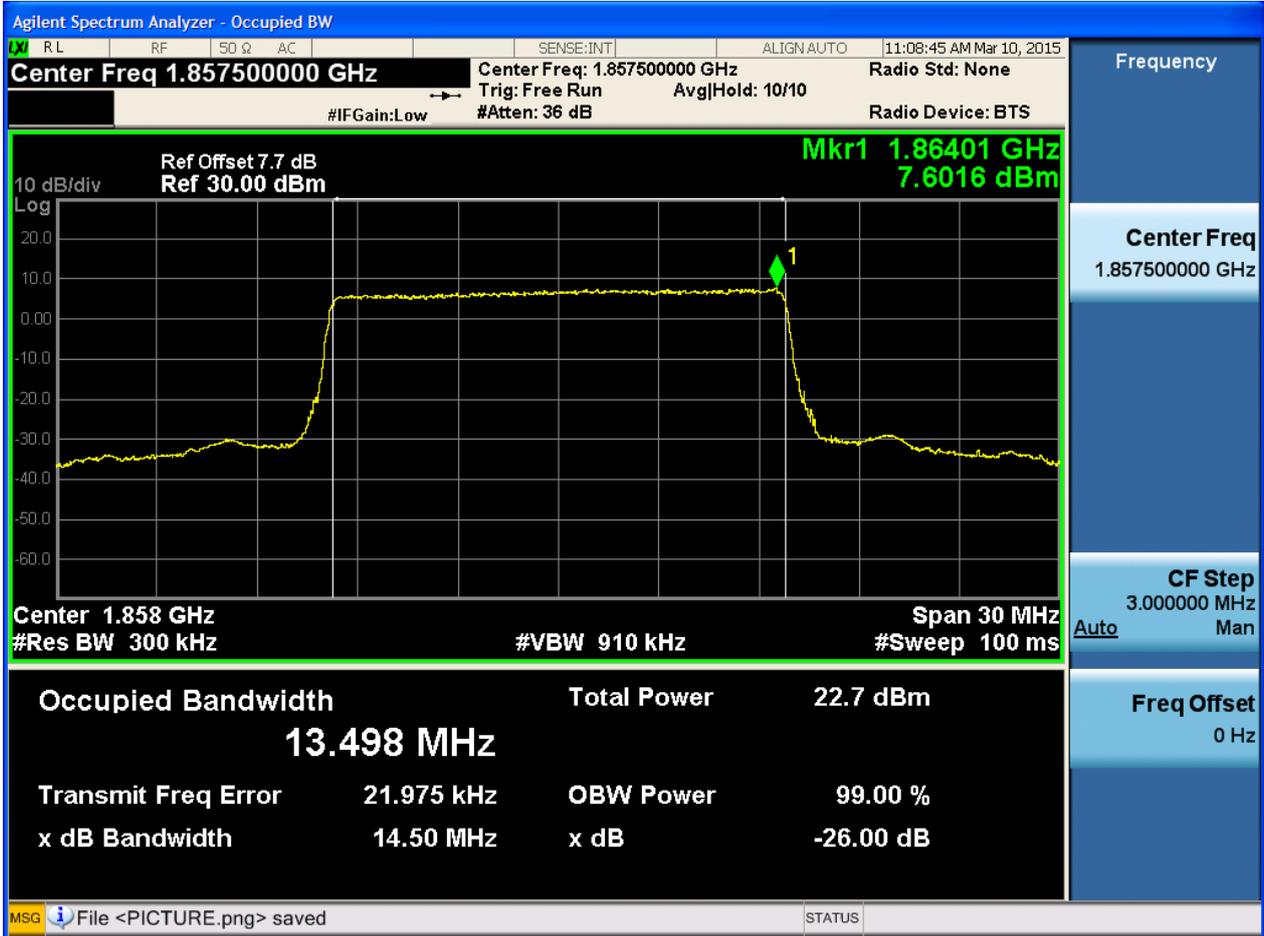
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0

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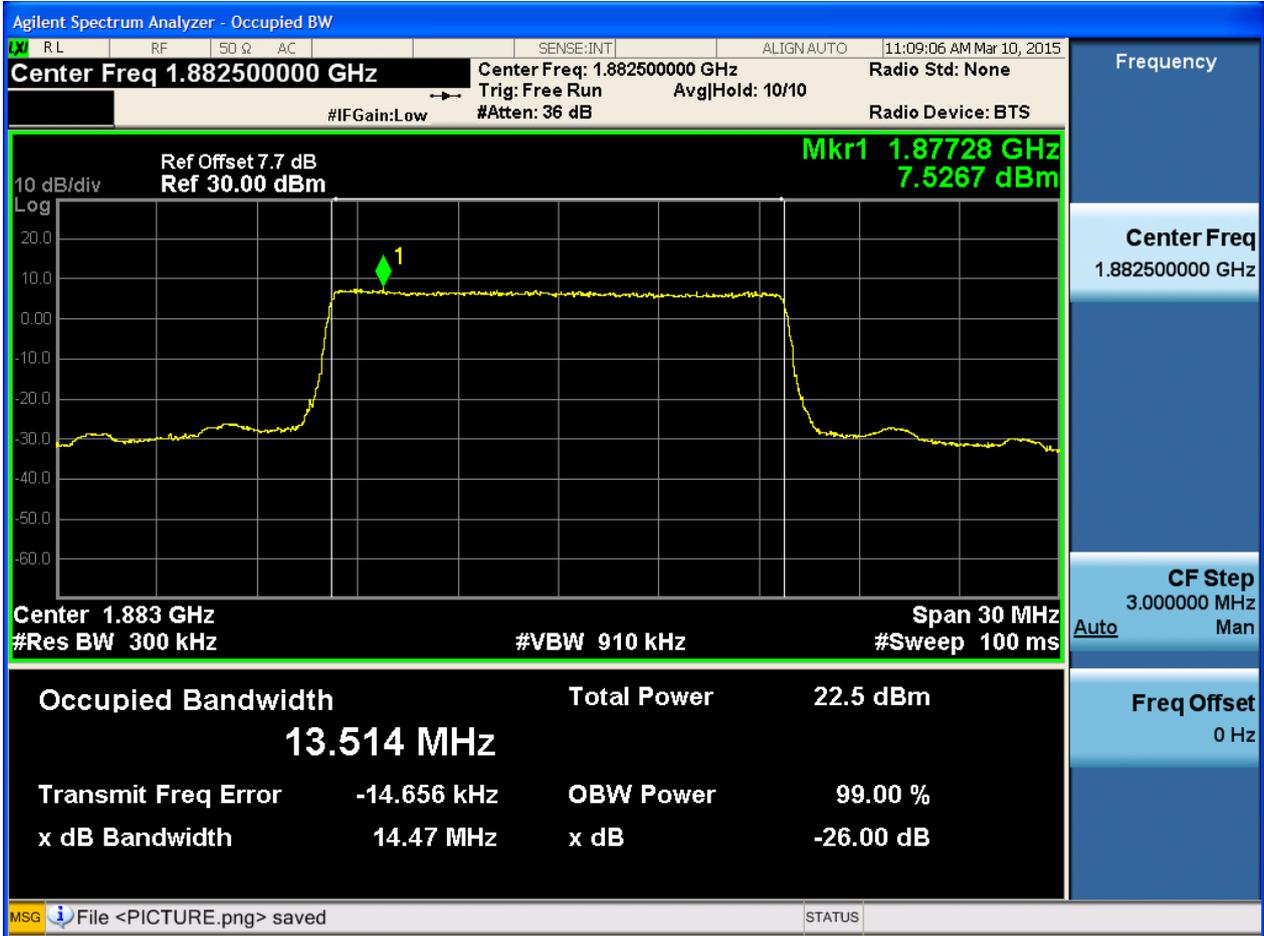
4.1.1.1.5.3 Test Channel = HCH

### 4.1.1.1.5.3.1 Test RB = RB75#0
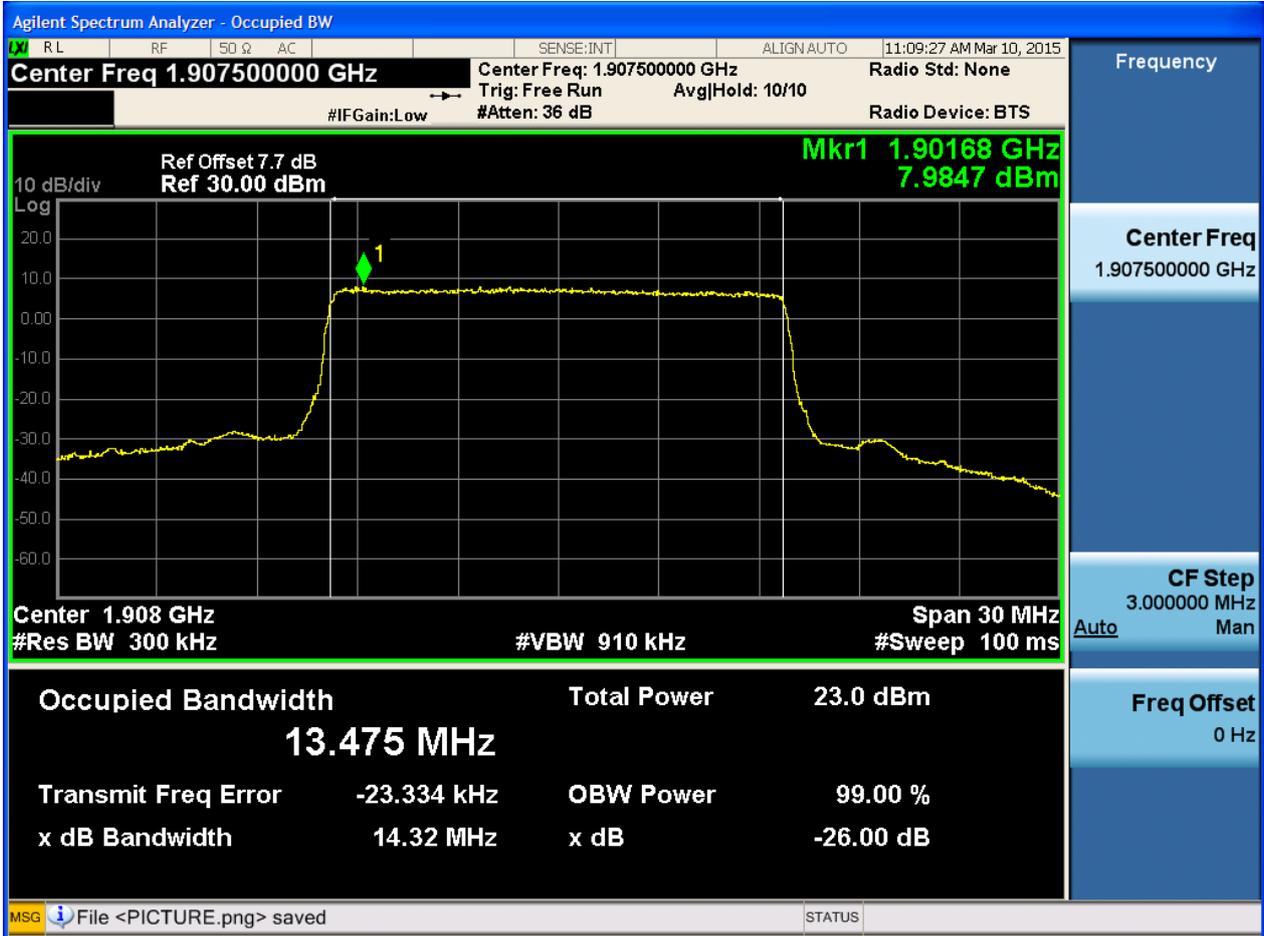
4.1.1.1.6 Test Bandwidth = 20
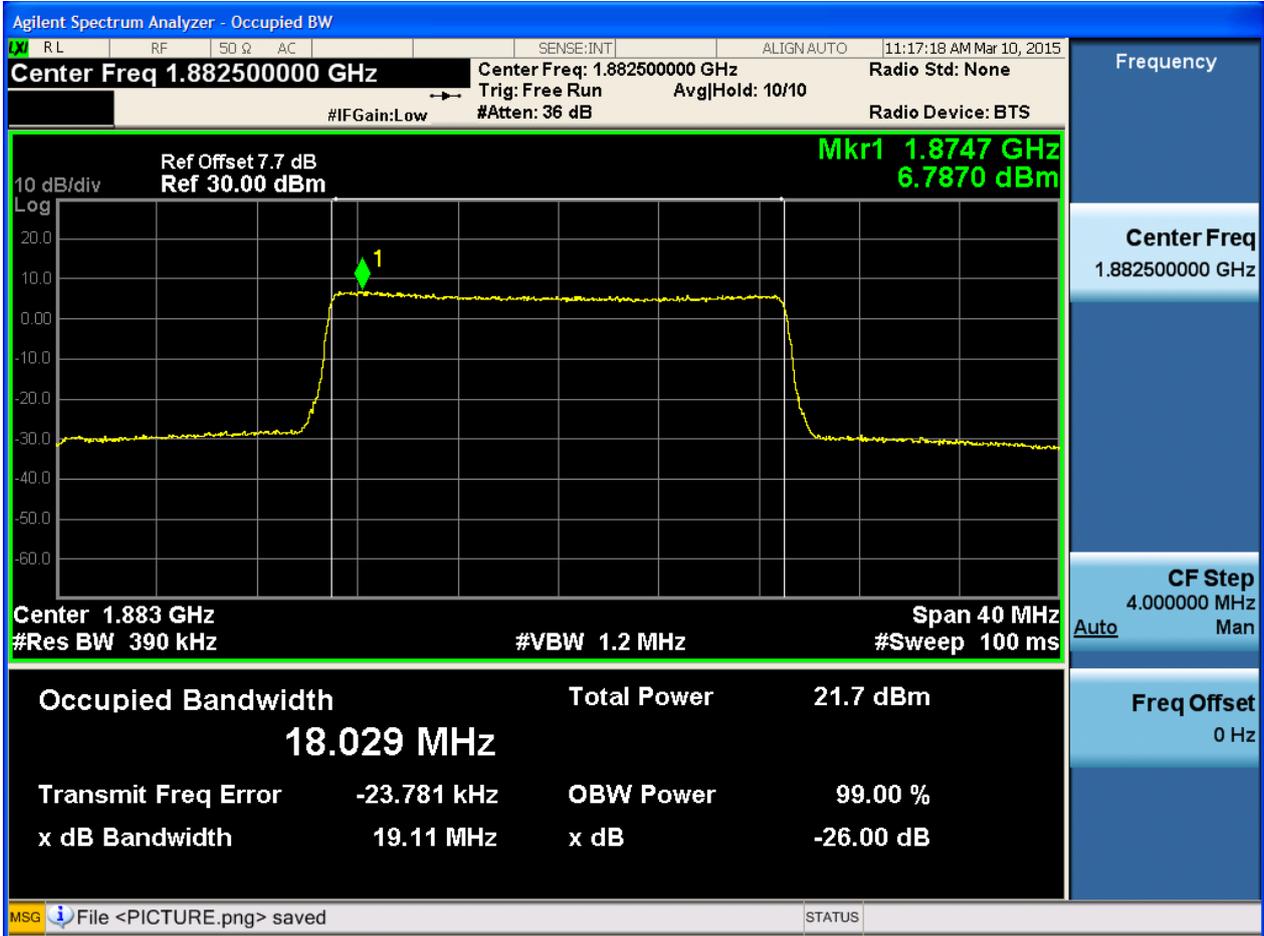
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0
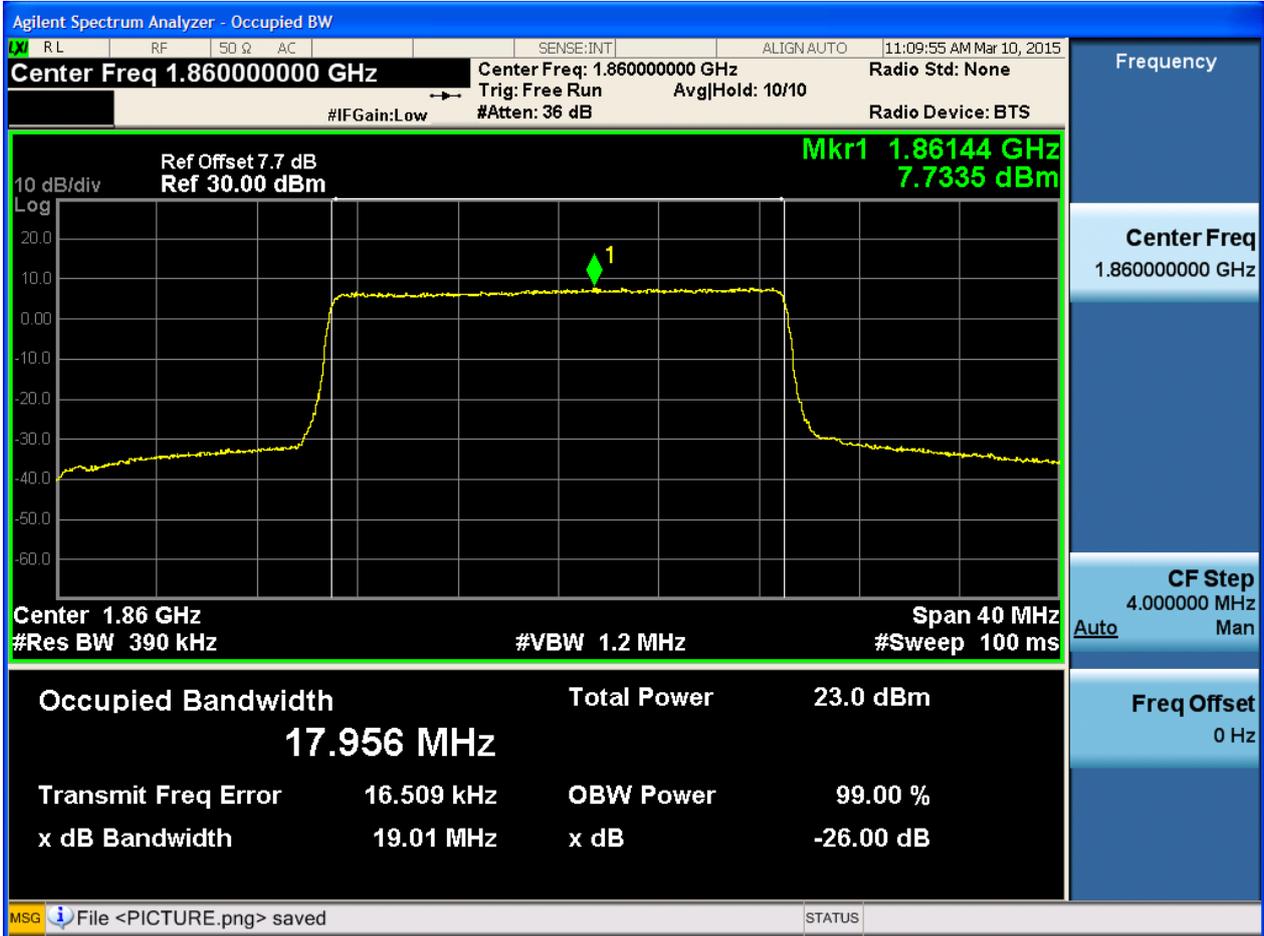
4.1.1.1.6.2 Test Channel = MCH

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
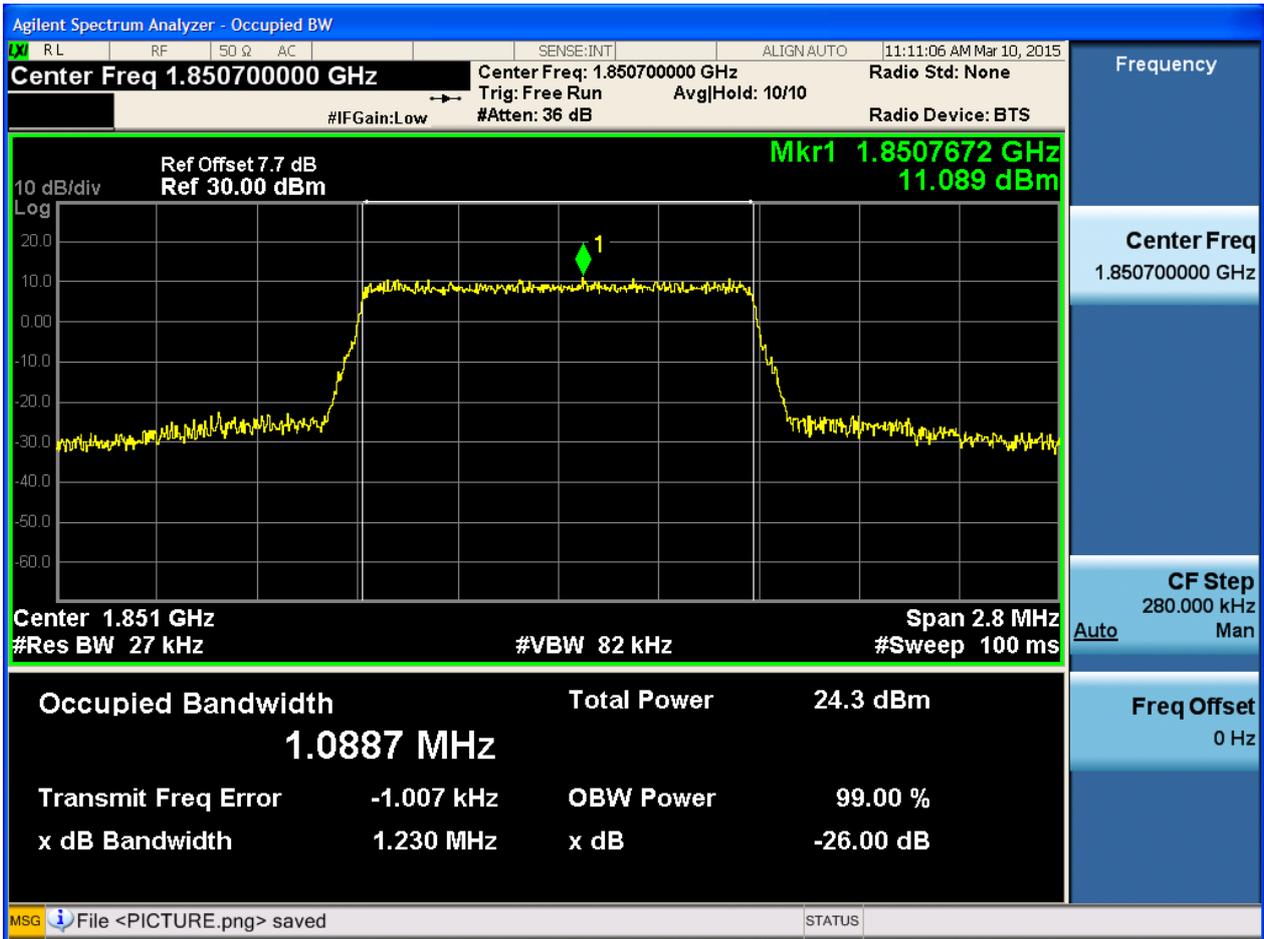
4.1.1.2.1.2 Test Channel = MCH

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
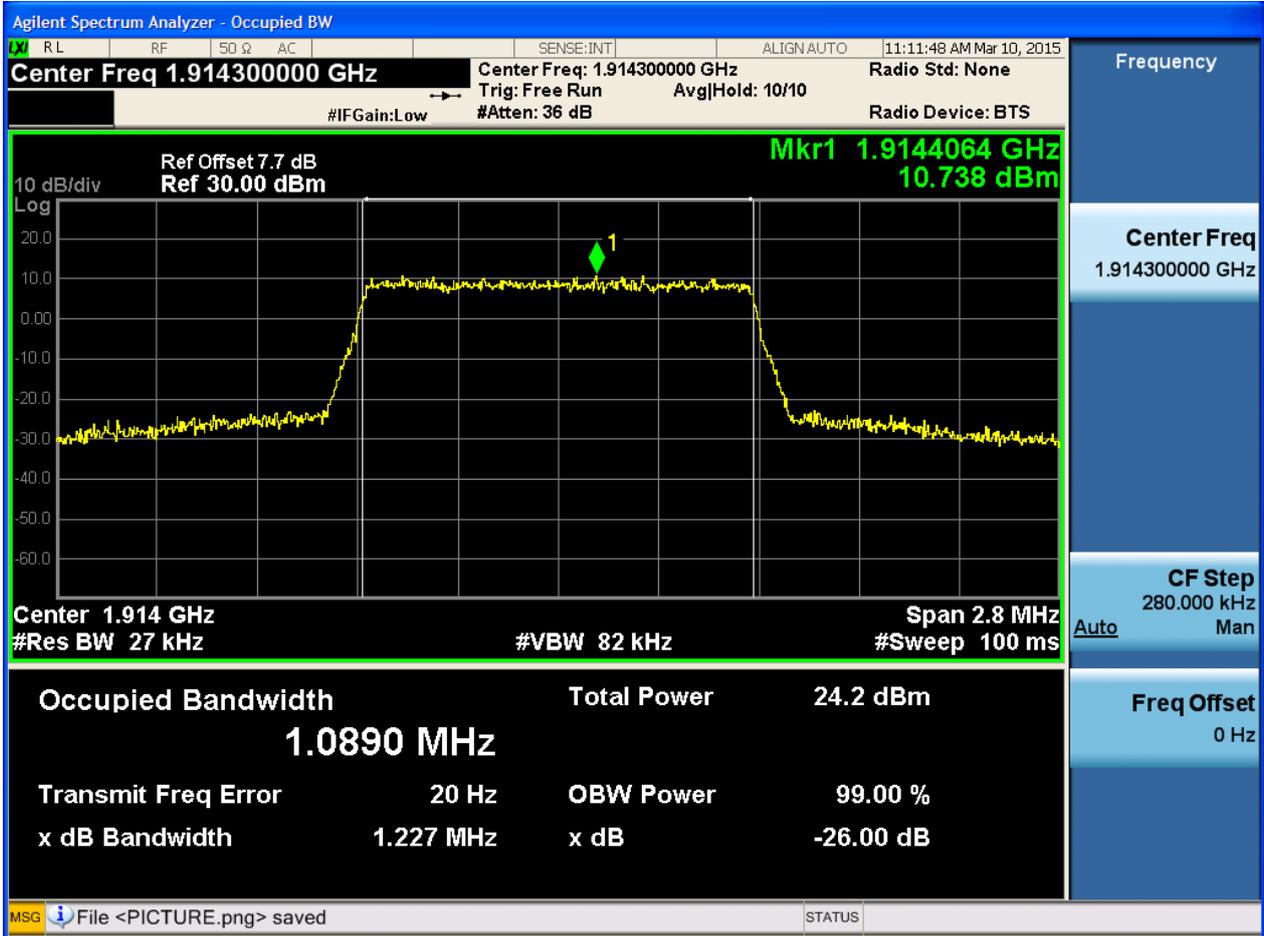
4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0
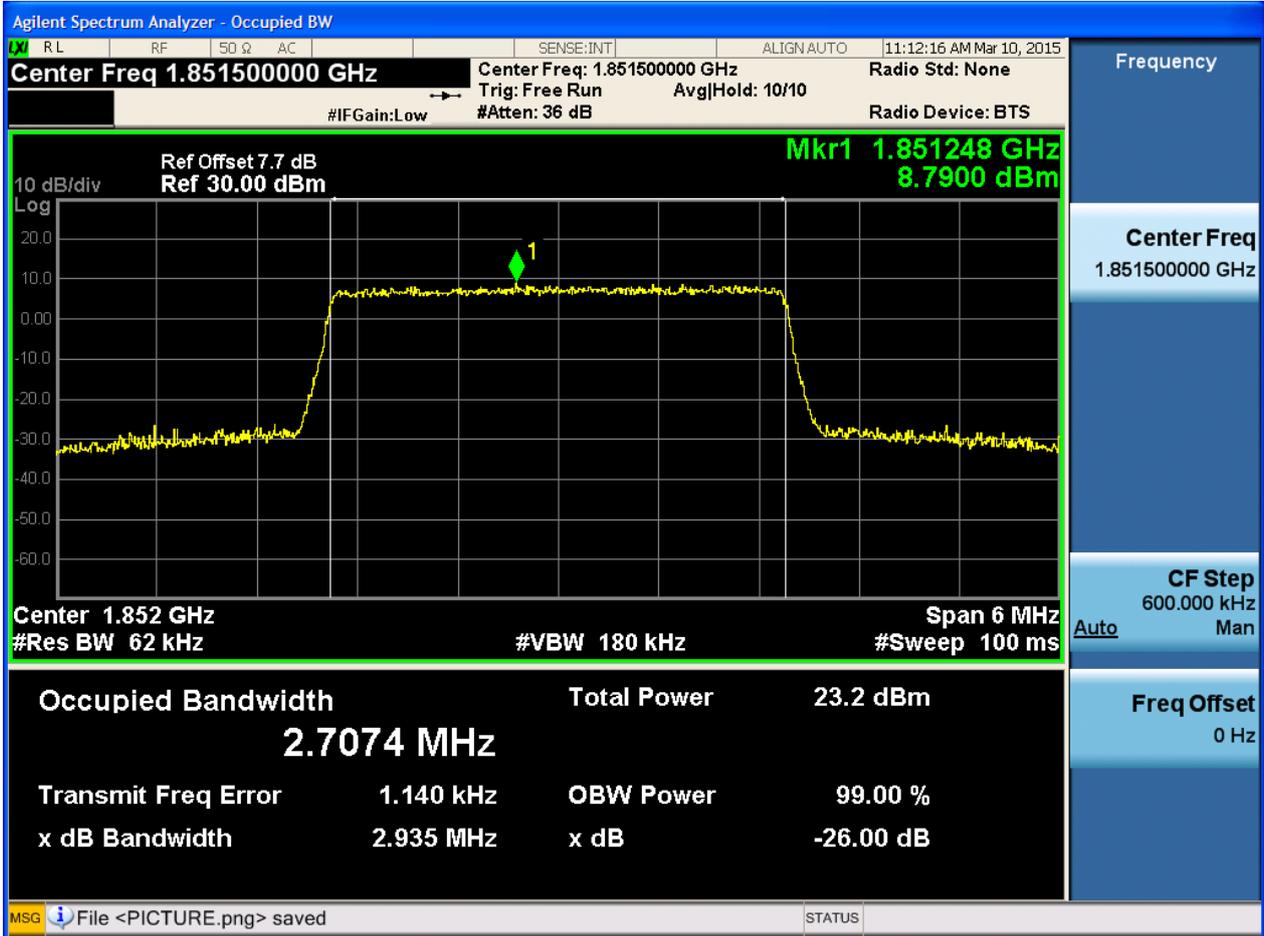
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0
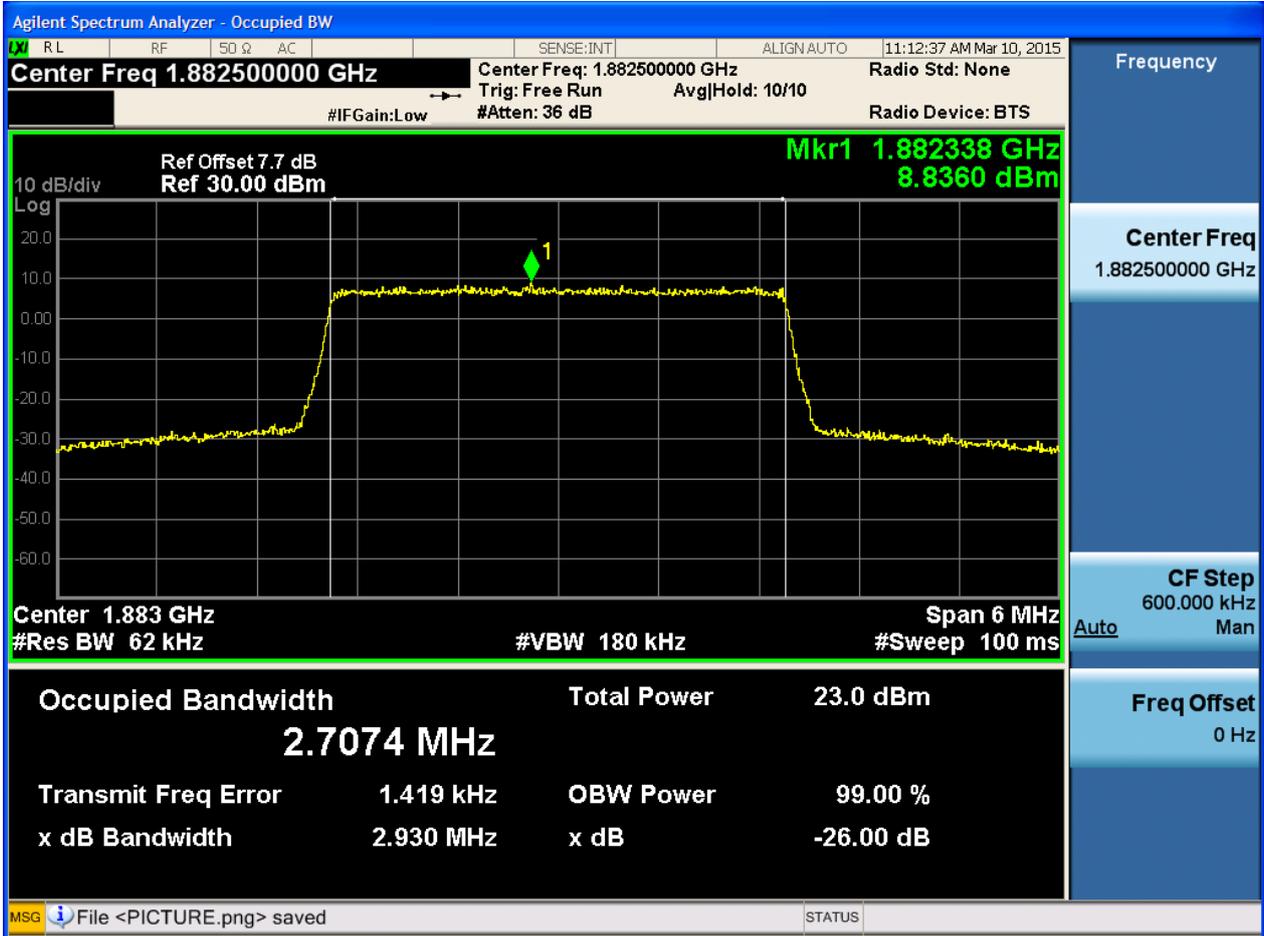
4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

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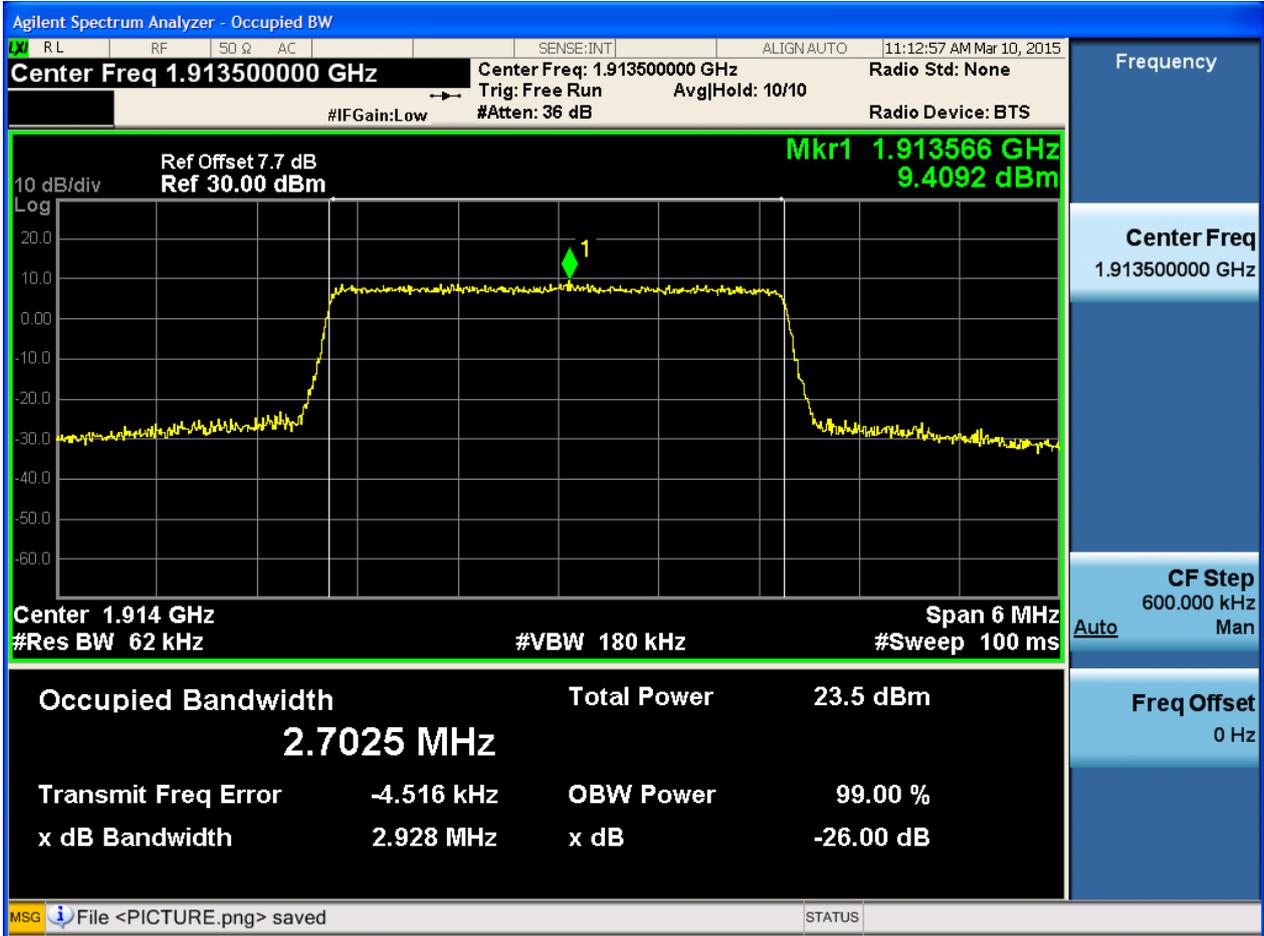
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0
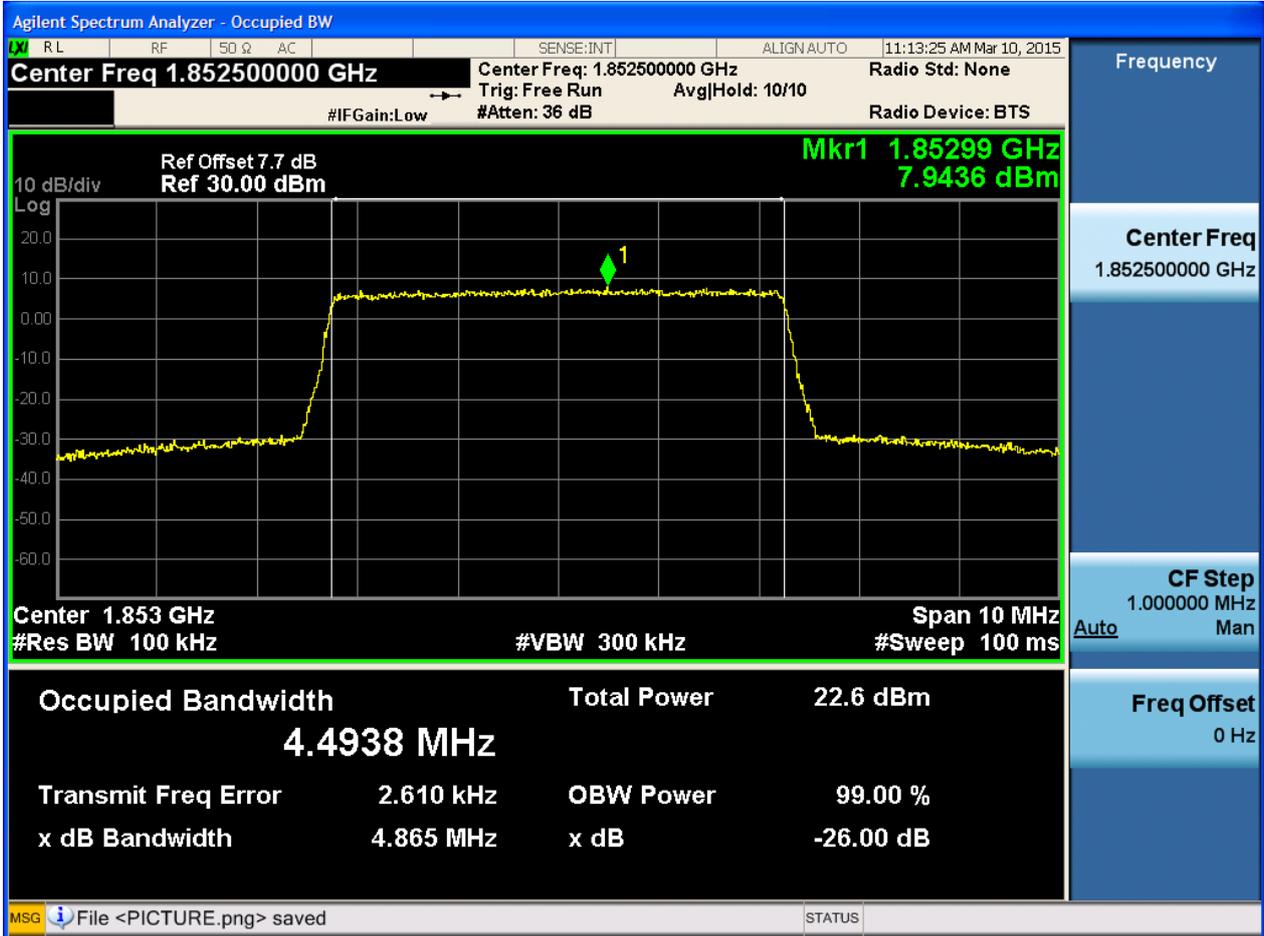
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

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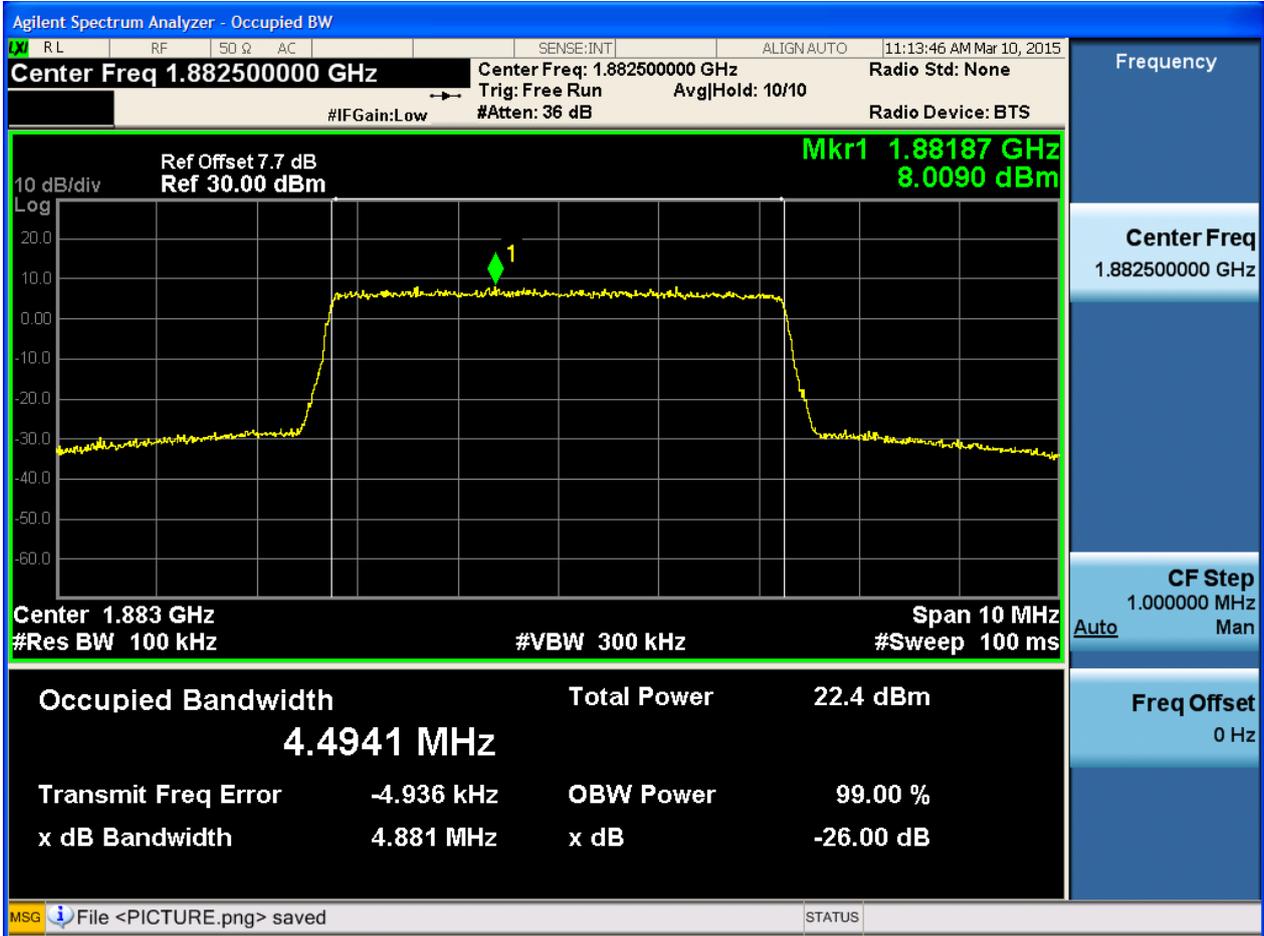
4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0
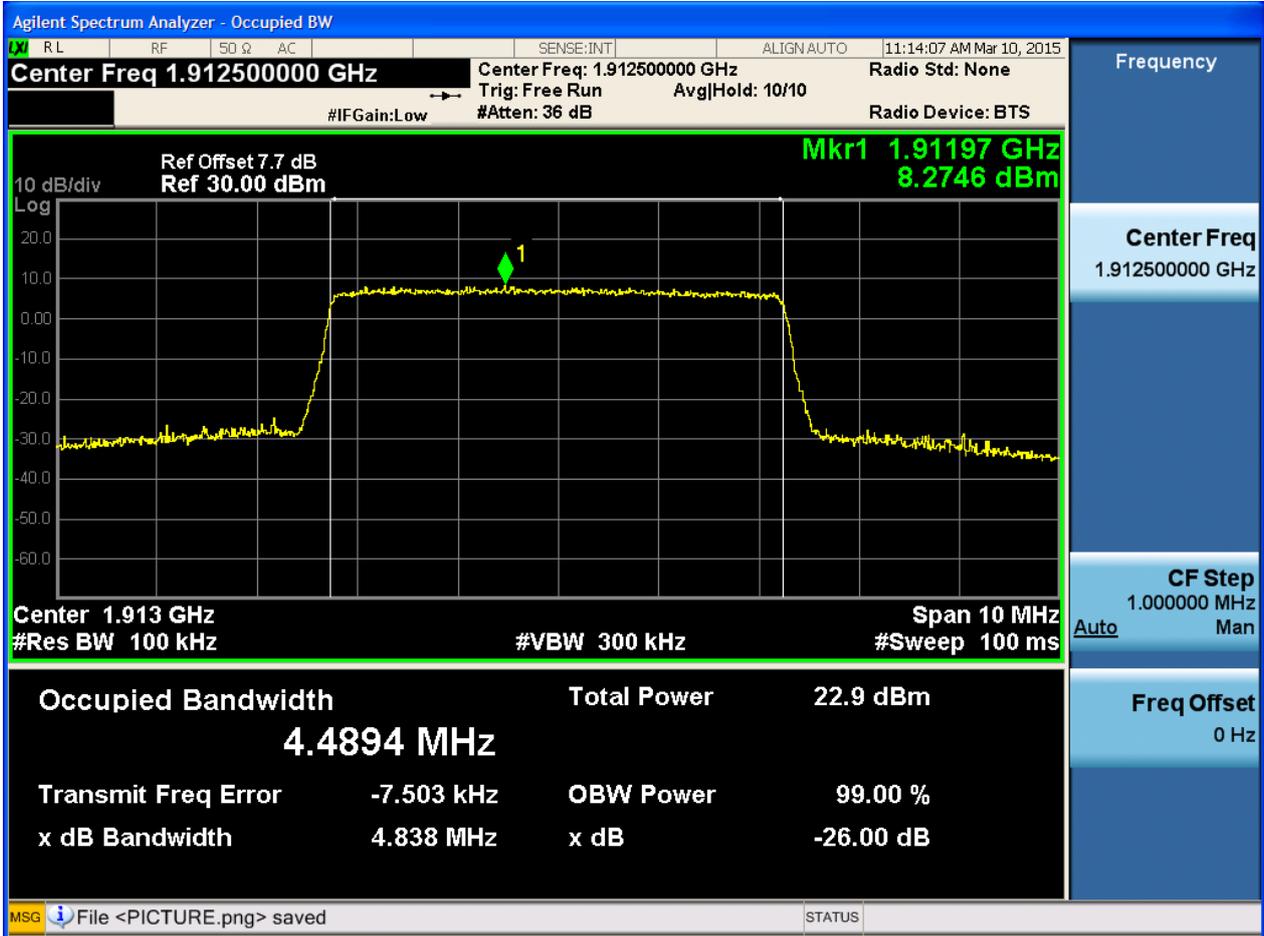
4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0

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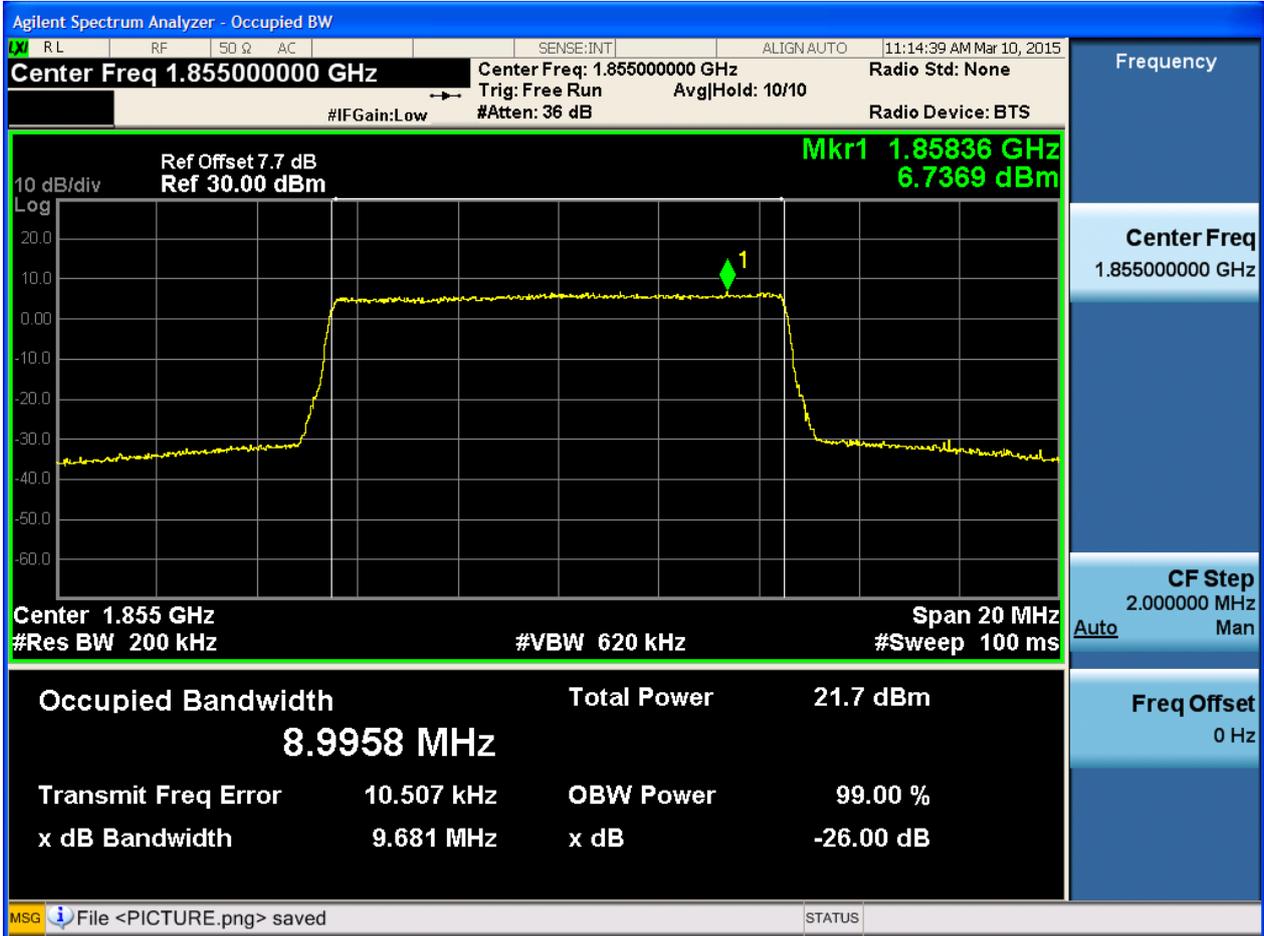
4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB50#0
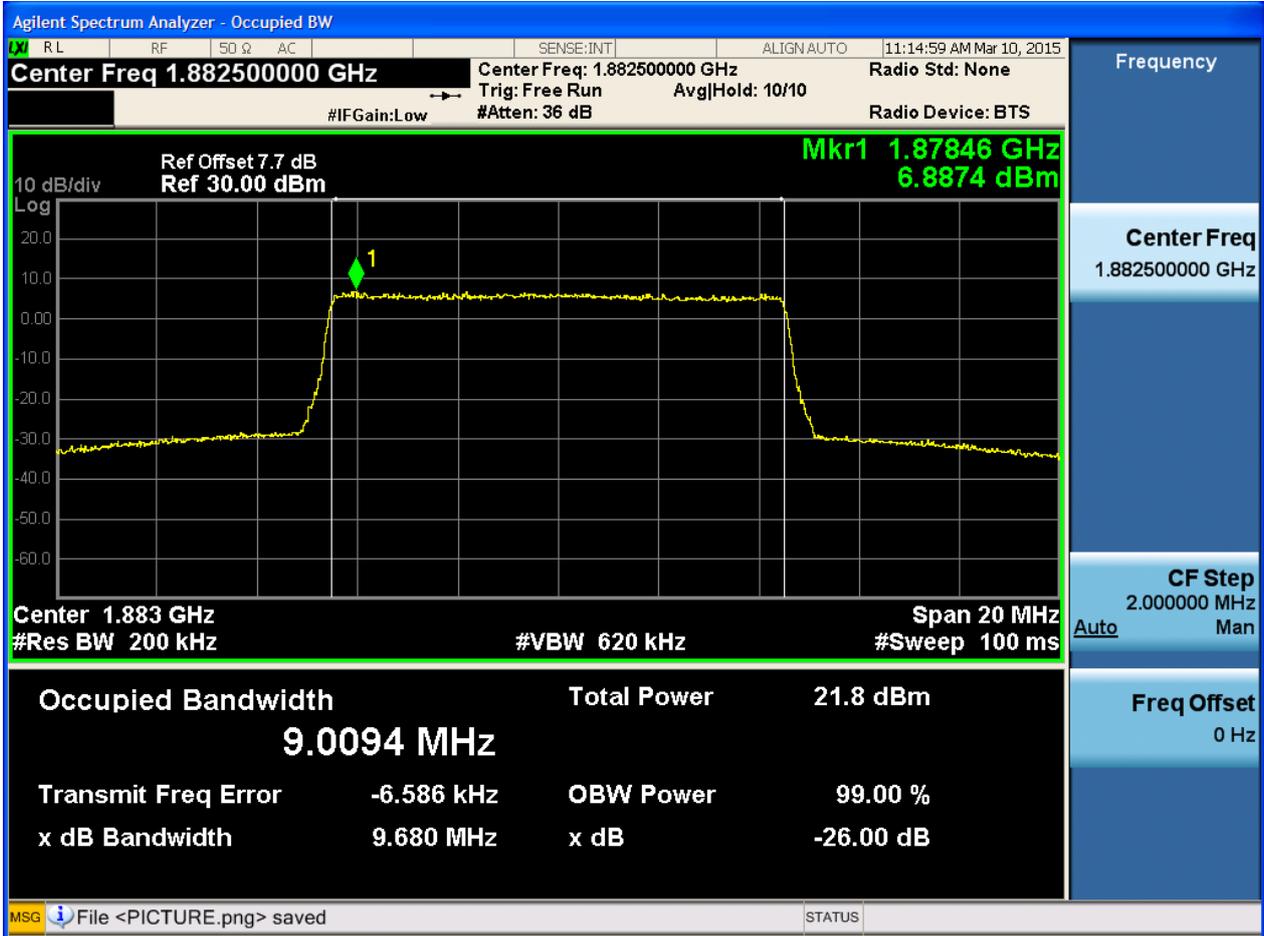
4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

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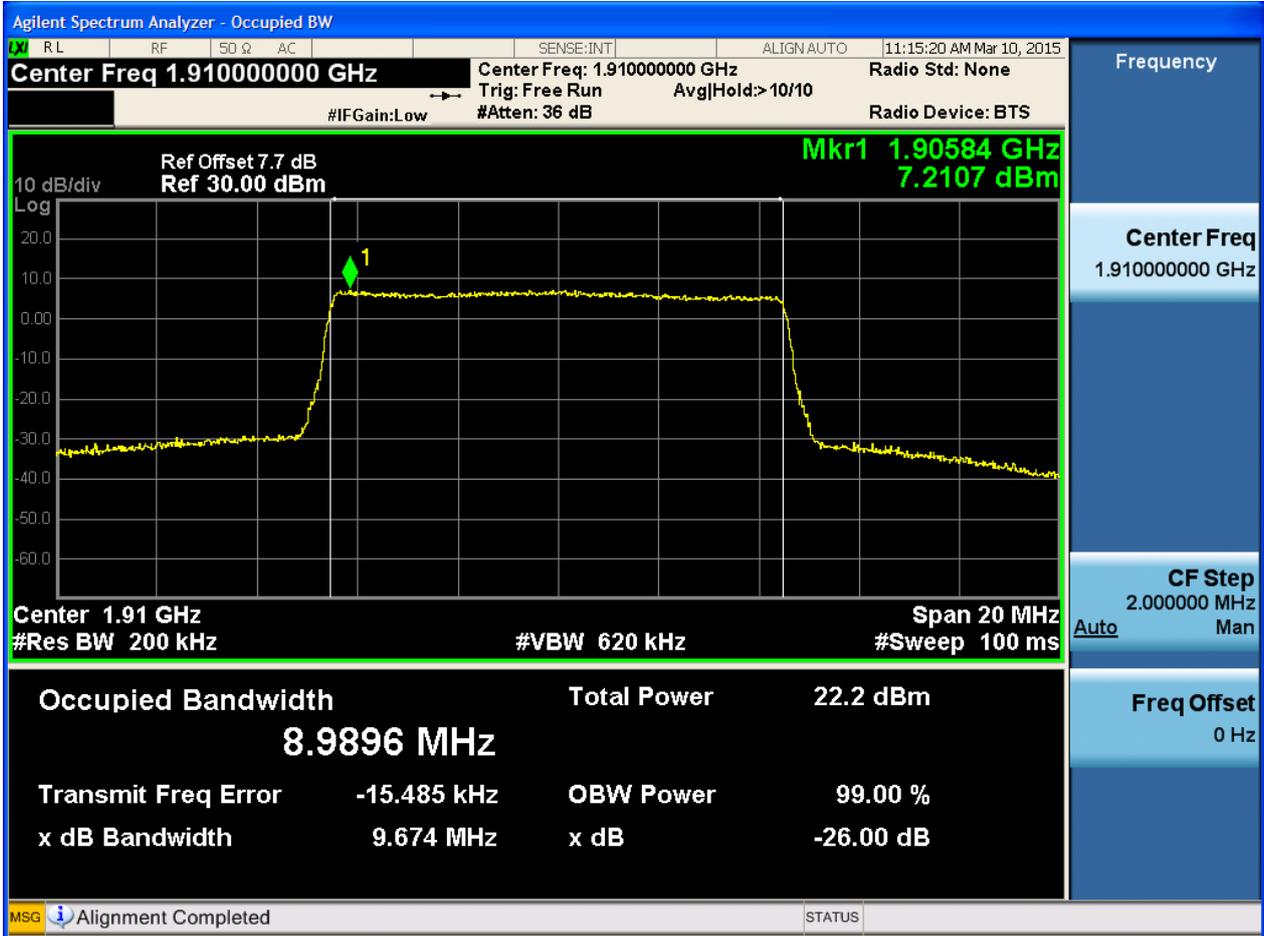
4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0
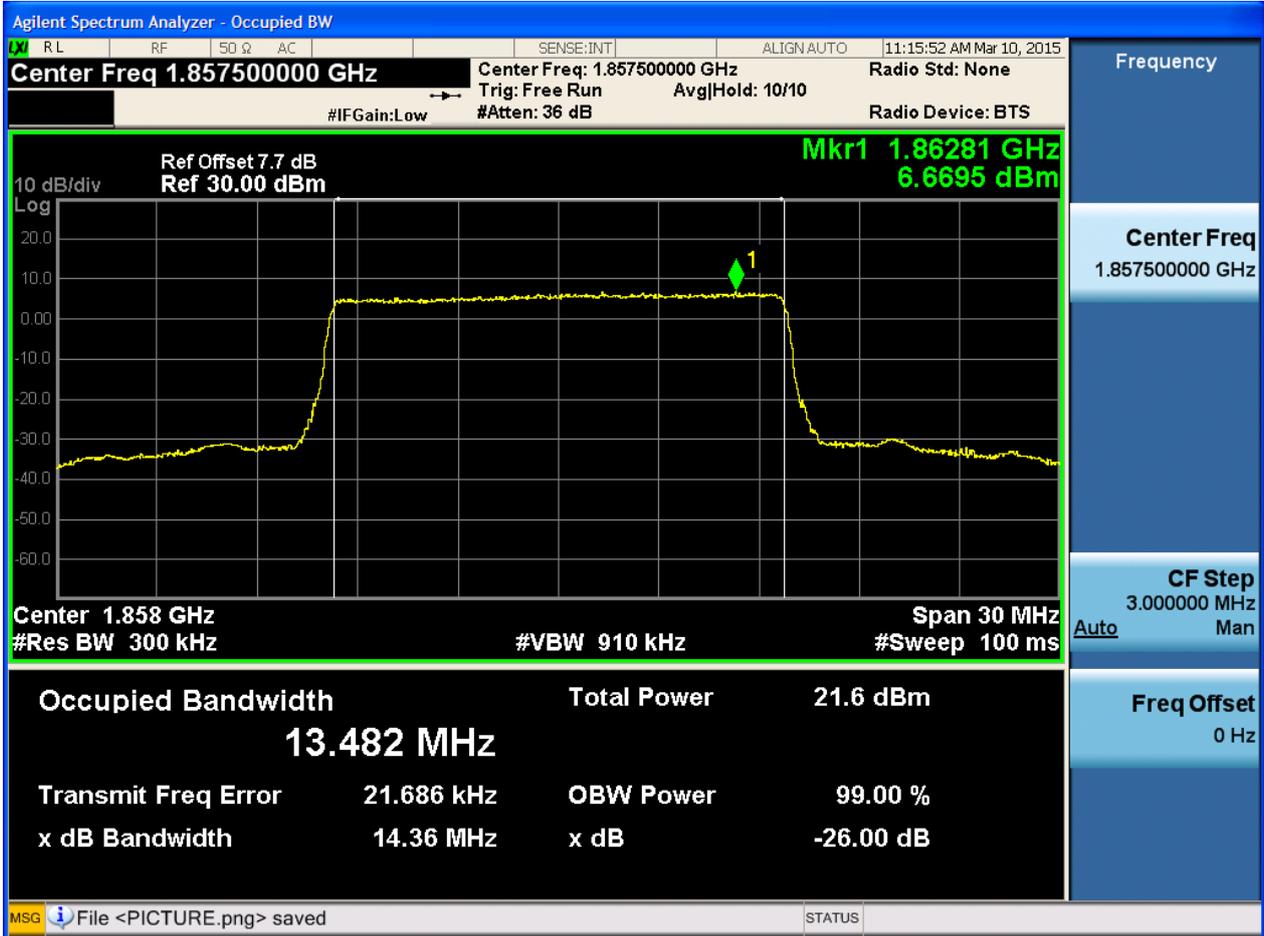
4.1.1.2.5.2 Test Channel = MCH

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
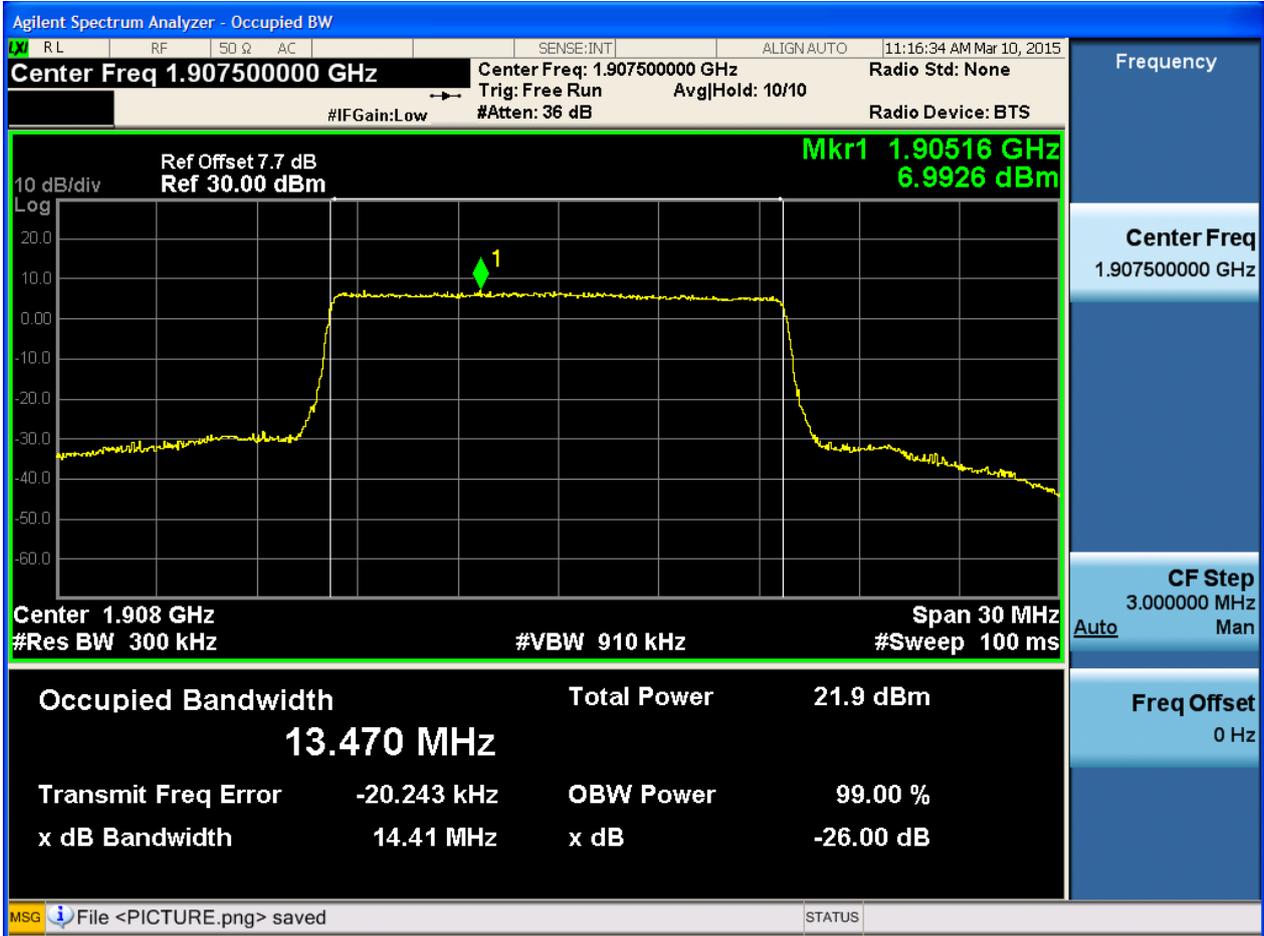
4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0
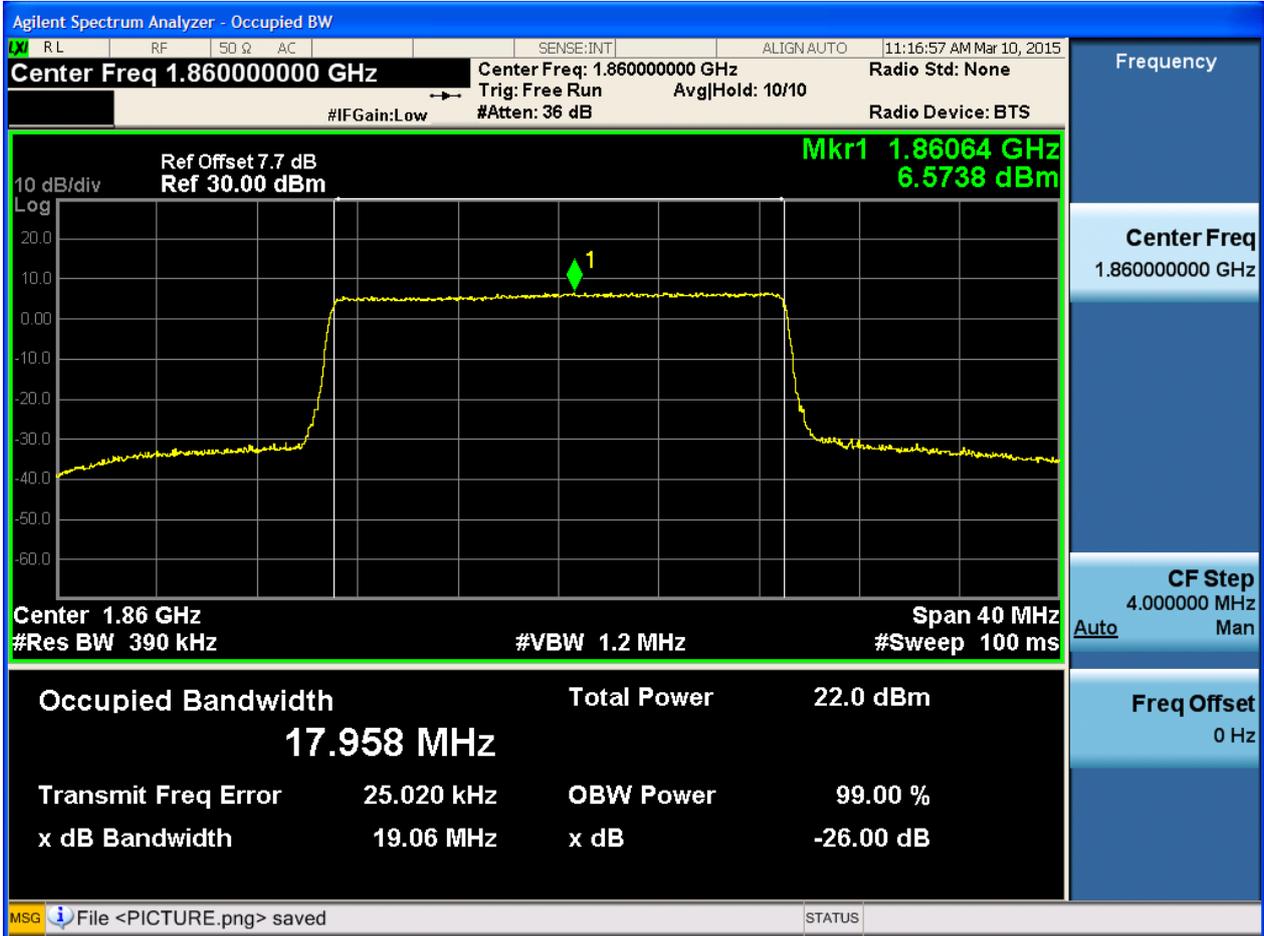
4.1.1.2.6.2 Test Channel = MCH

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 = BAND25

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

5.1.1.1.1.1.2 Test RB = RB1#5

5.1.1.1.1.3 Test RB = RB3#2

5.1.1.1.1.1.4 Test RB = RB6#0

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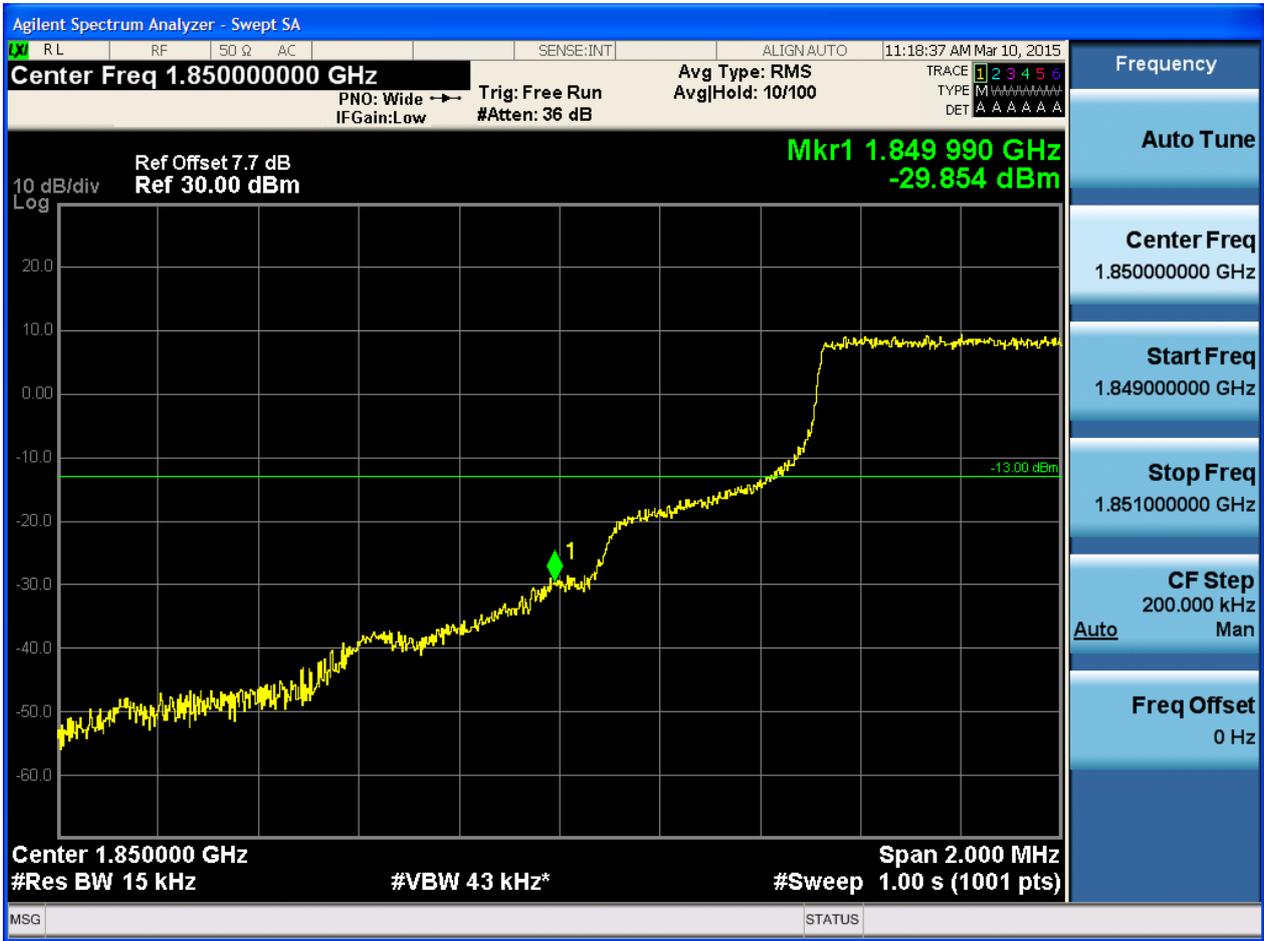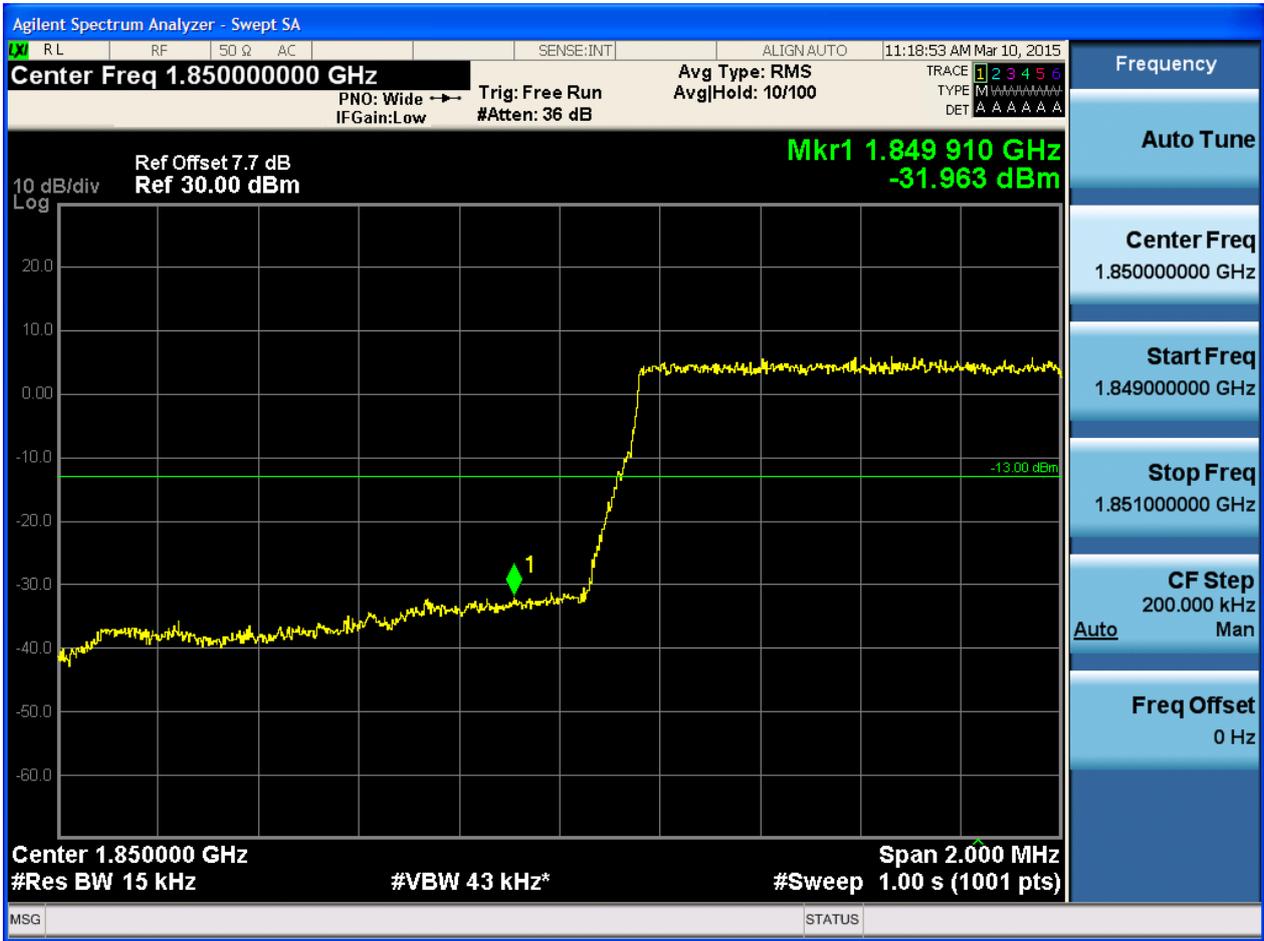
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0
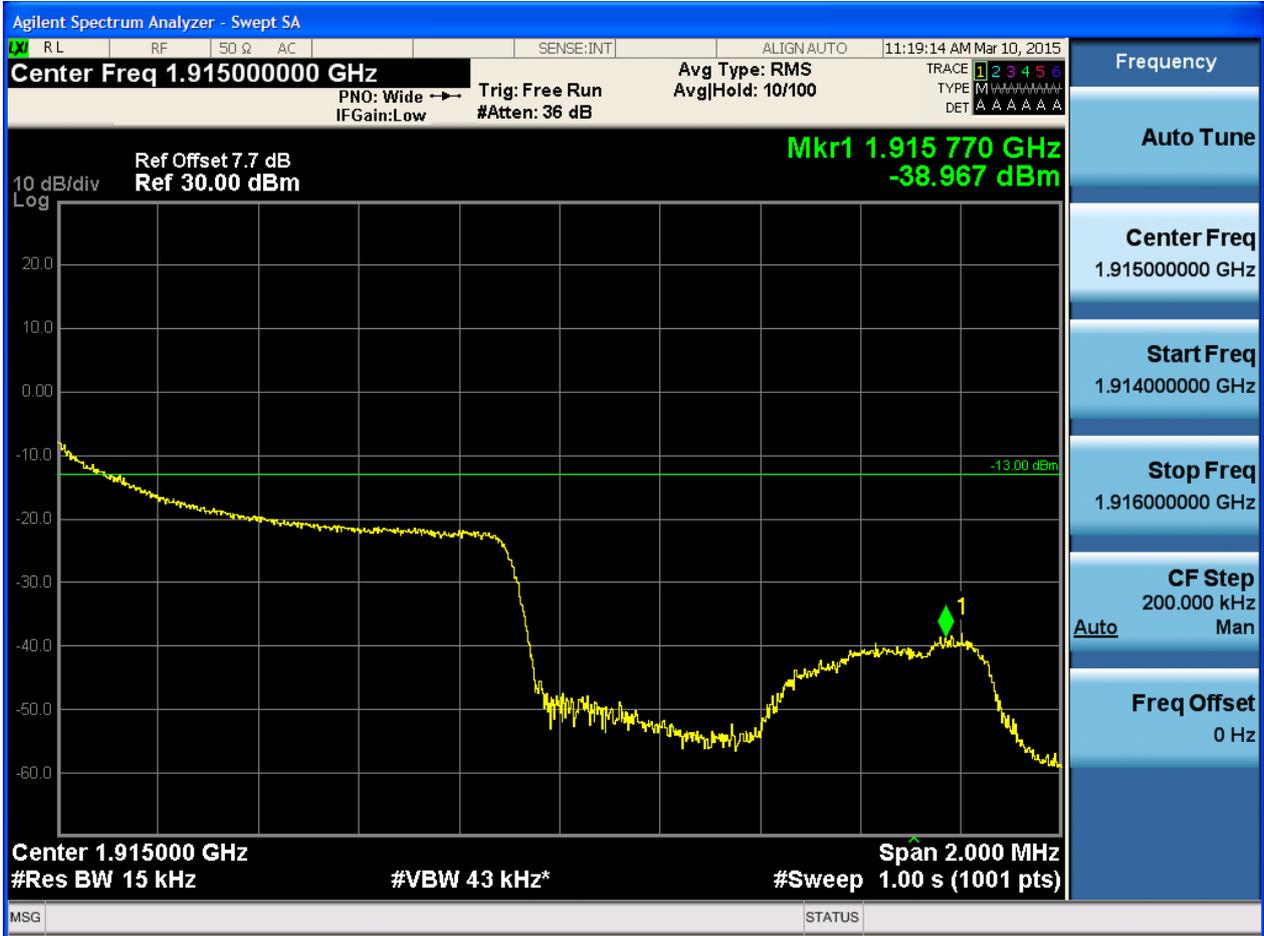
5.1.1.1.1.2.2 Test RB = RB1#5
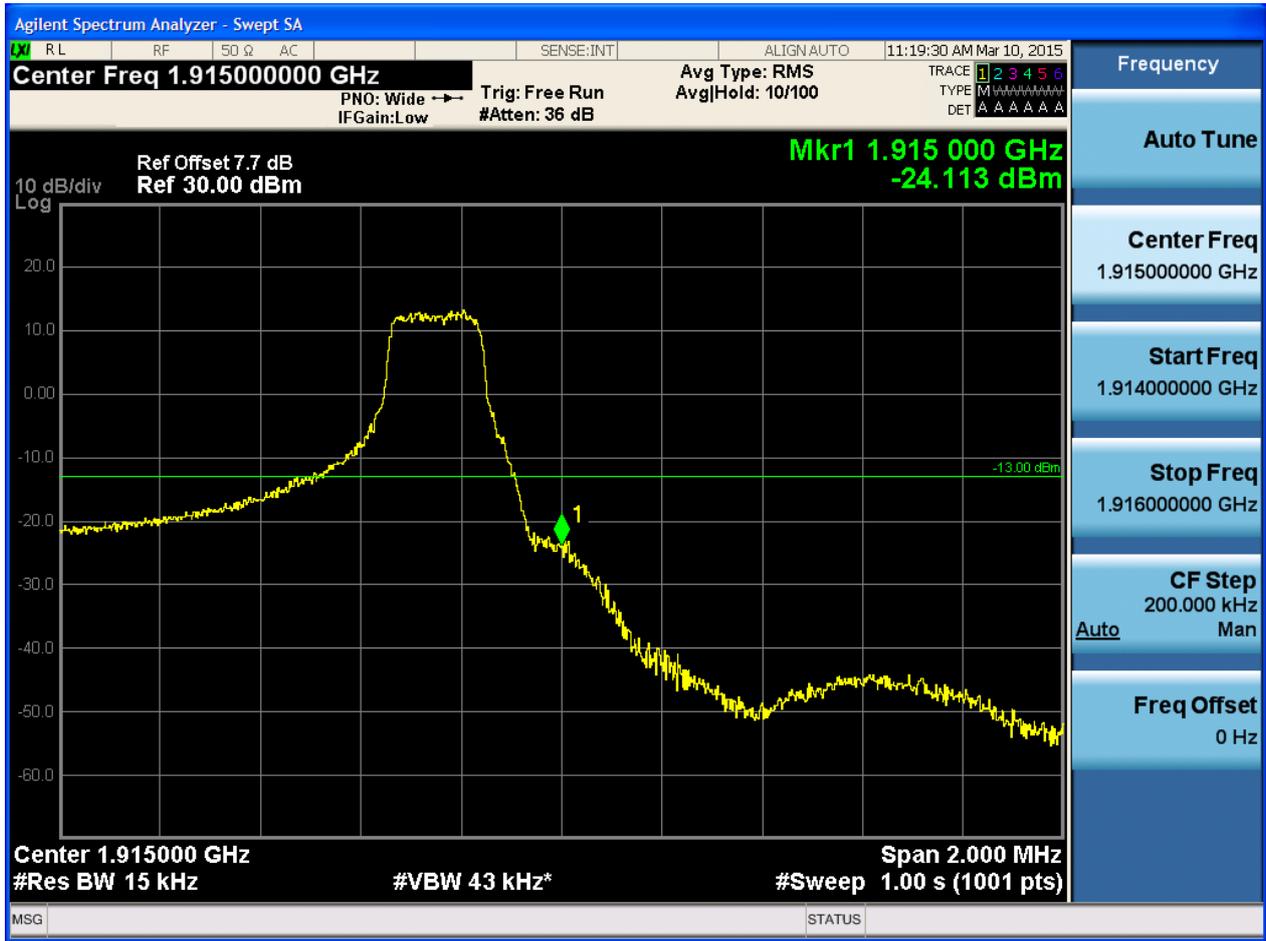
5.1.1.1.1.2.3 Test RB = RB3#2

5.1.1.1.1.2.4 Test RB = RB6#0
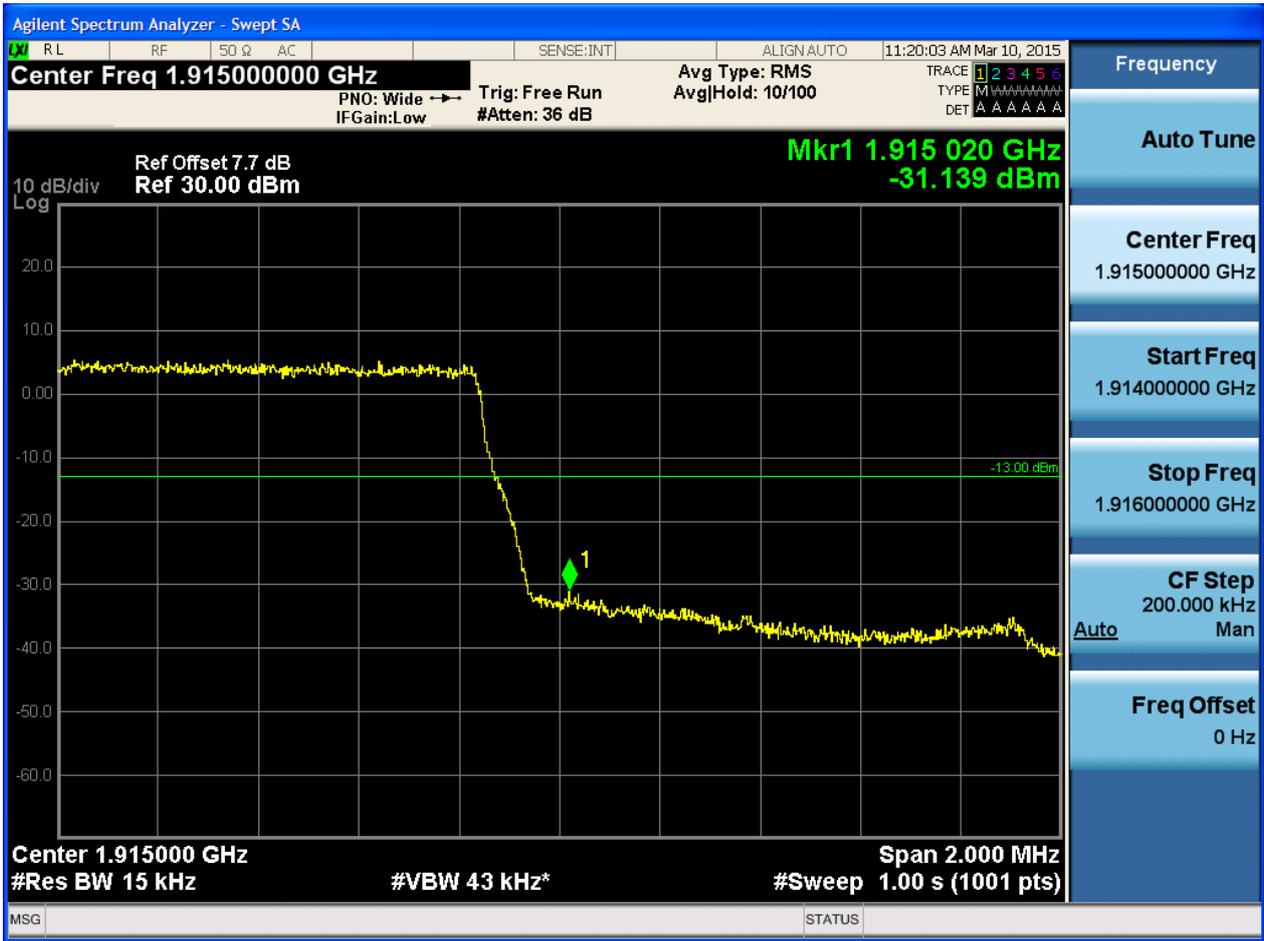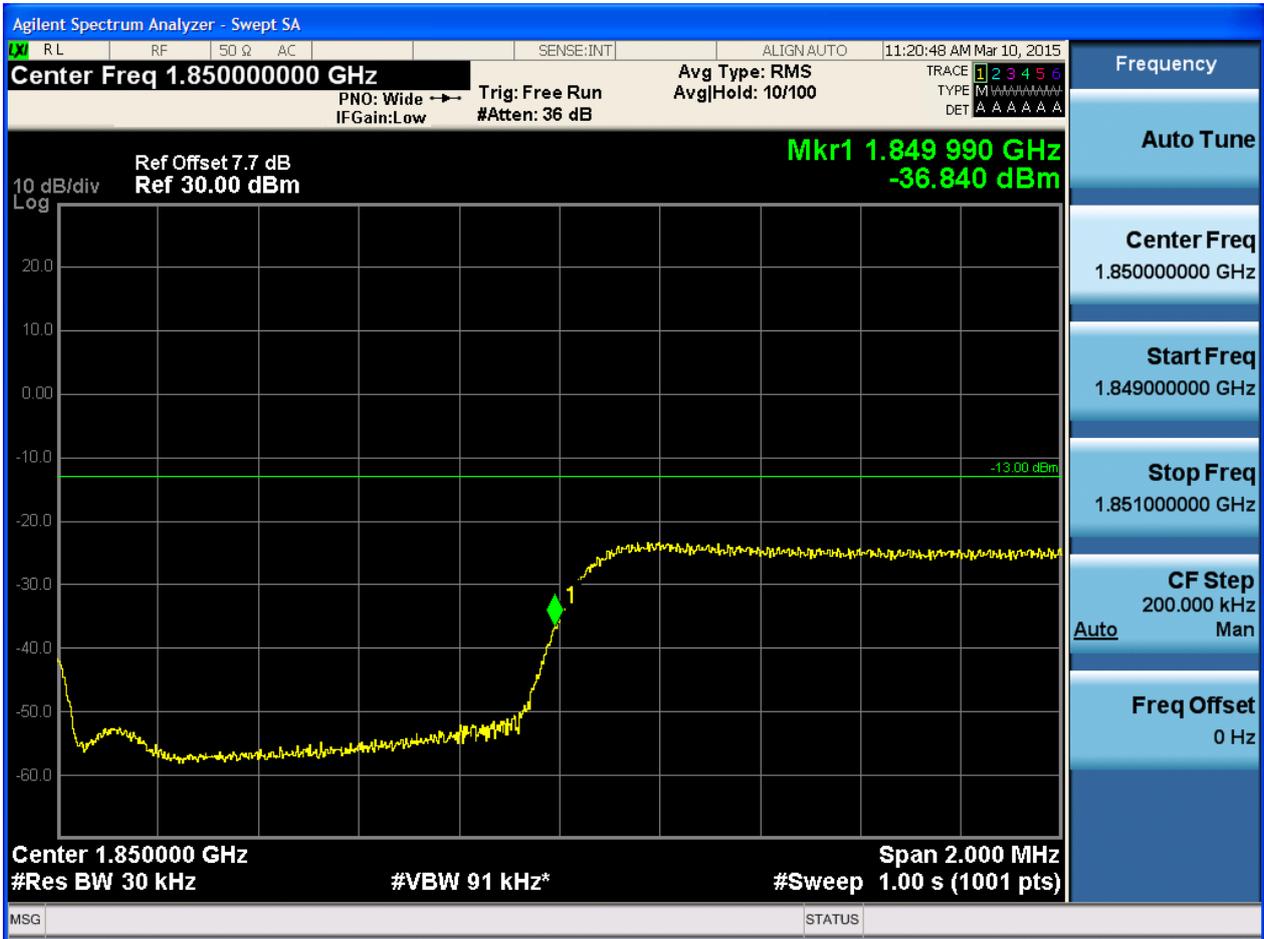
5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0
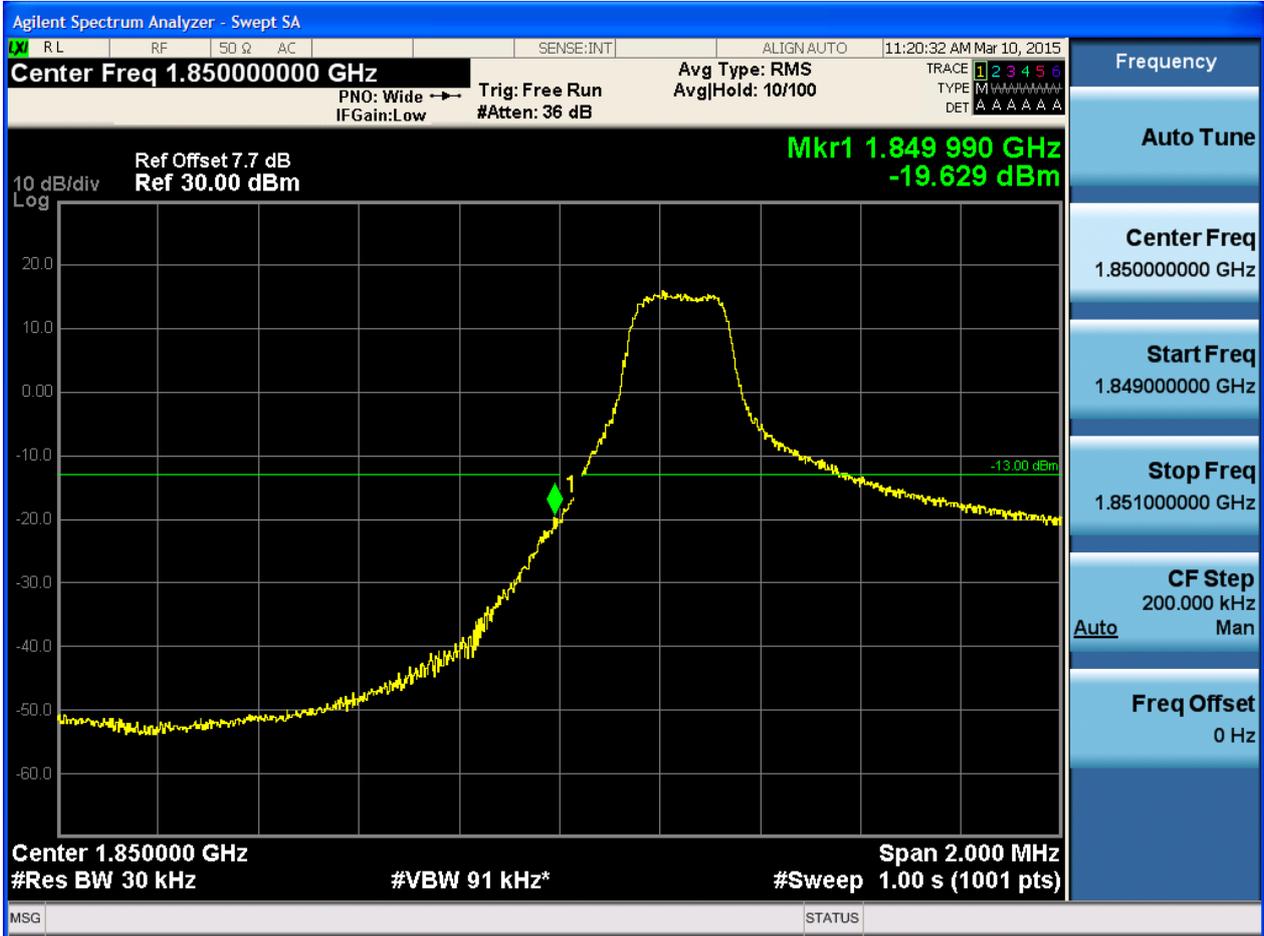
5.1.1.1.2.1.2 Test RB = RB1#14
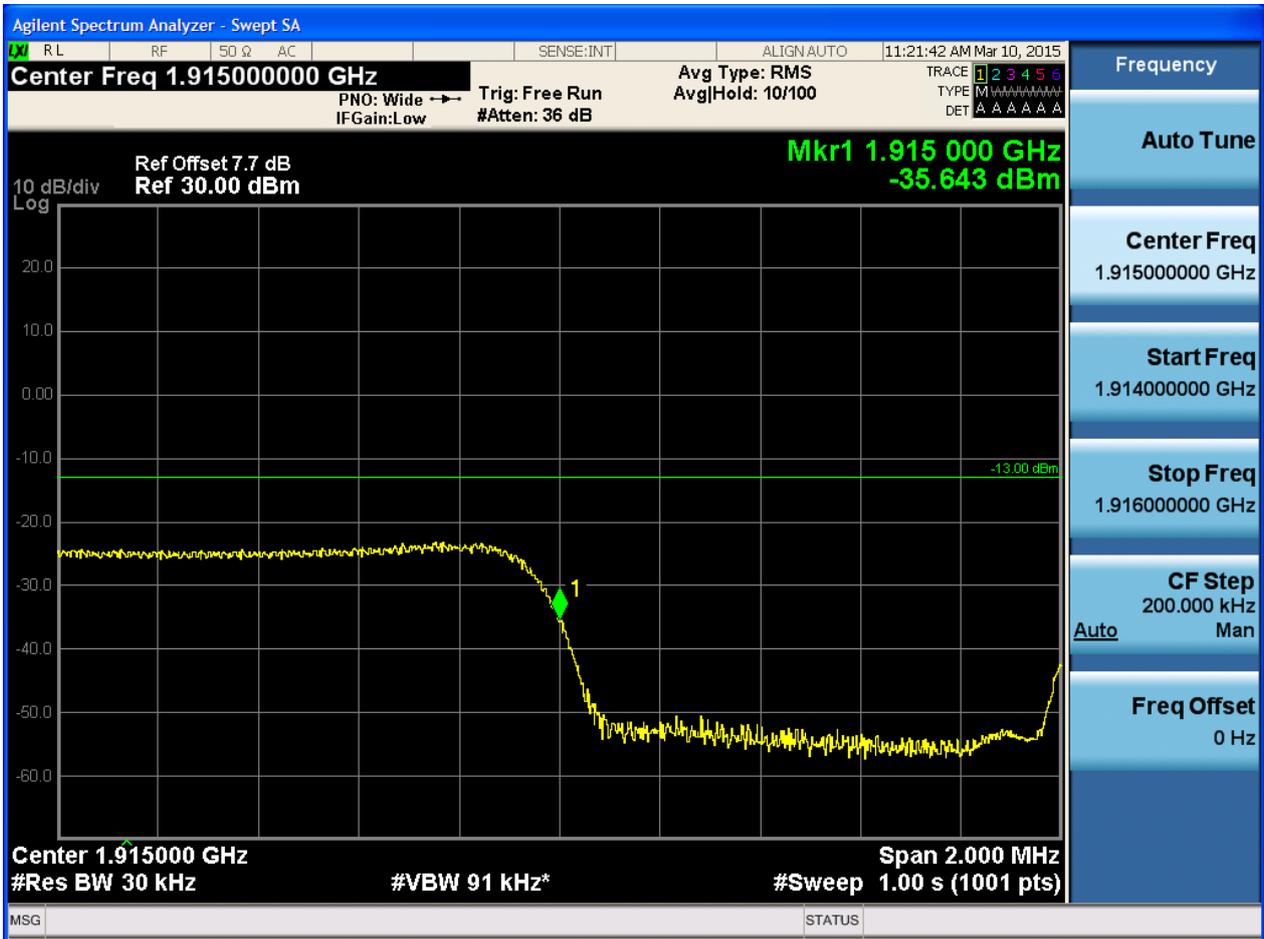
5.1.1.1.2.1.3 Test RB = RB8#4

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5.1.1.1.2.1.4 Test RB = RB15#0

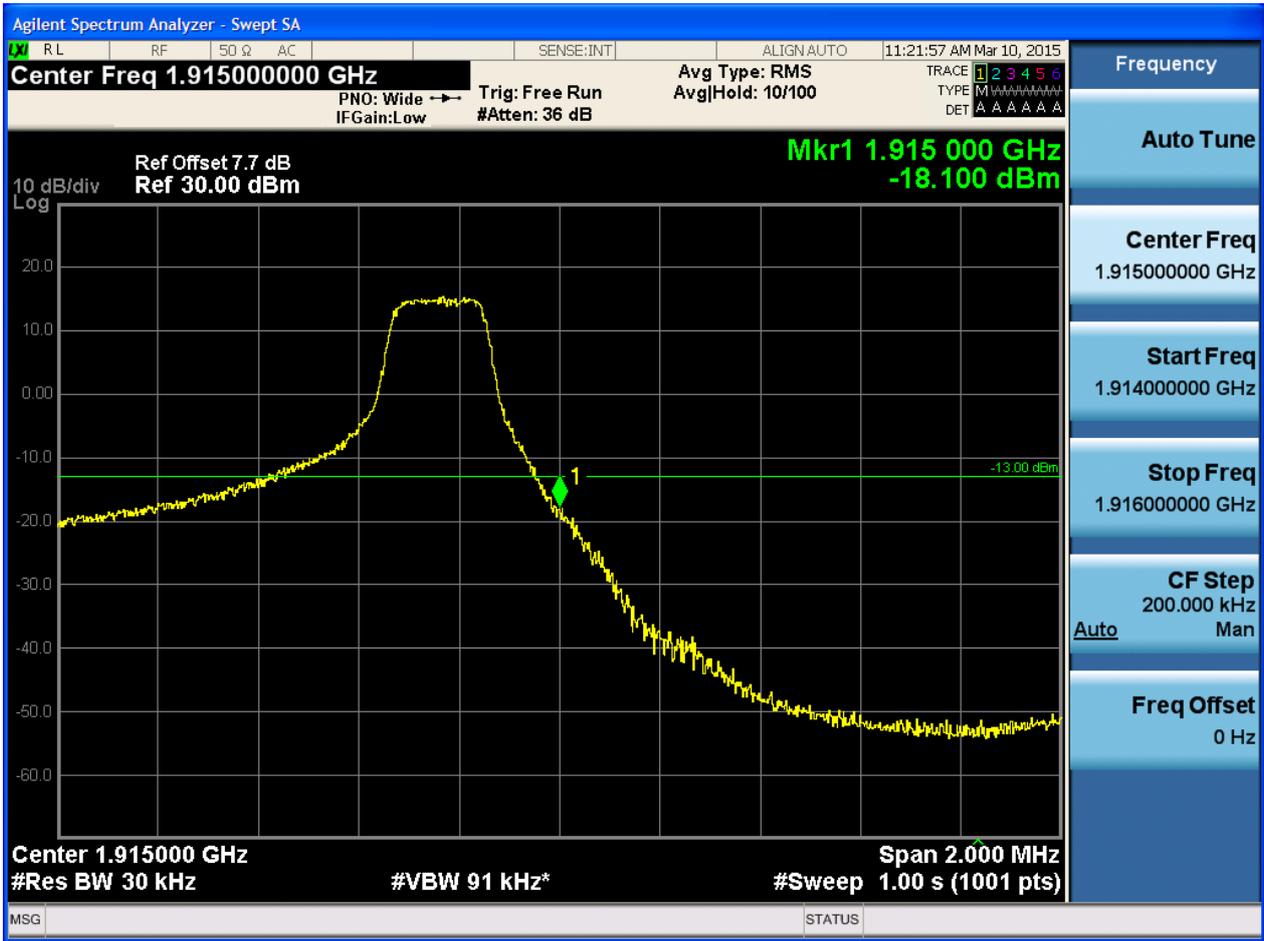## 5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0

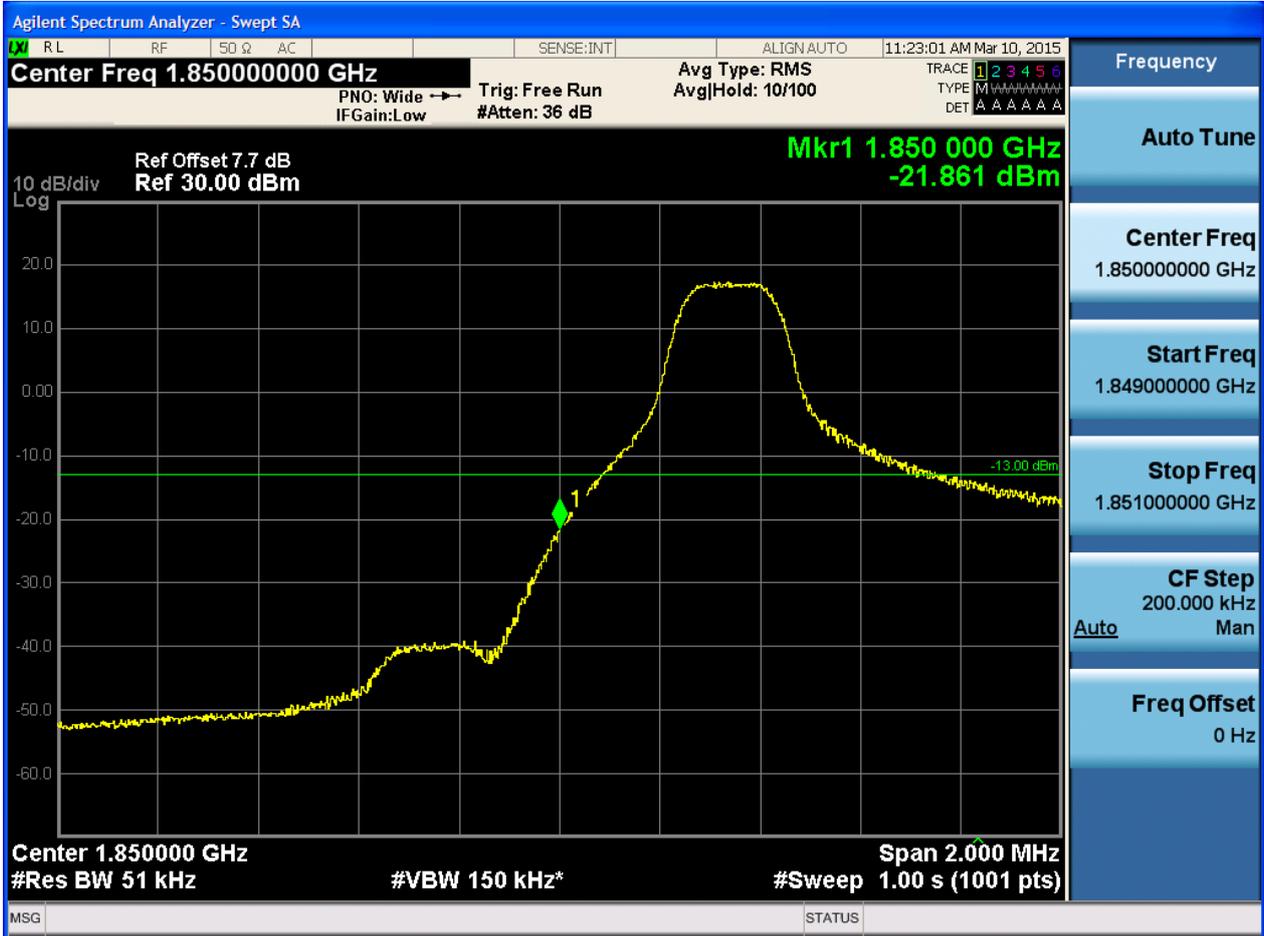## 5.1.1.1.2.2.2 Test RB = RB1#14

5.1.1.1.2.2.3 Test RB = RB8#4

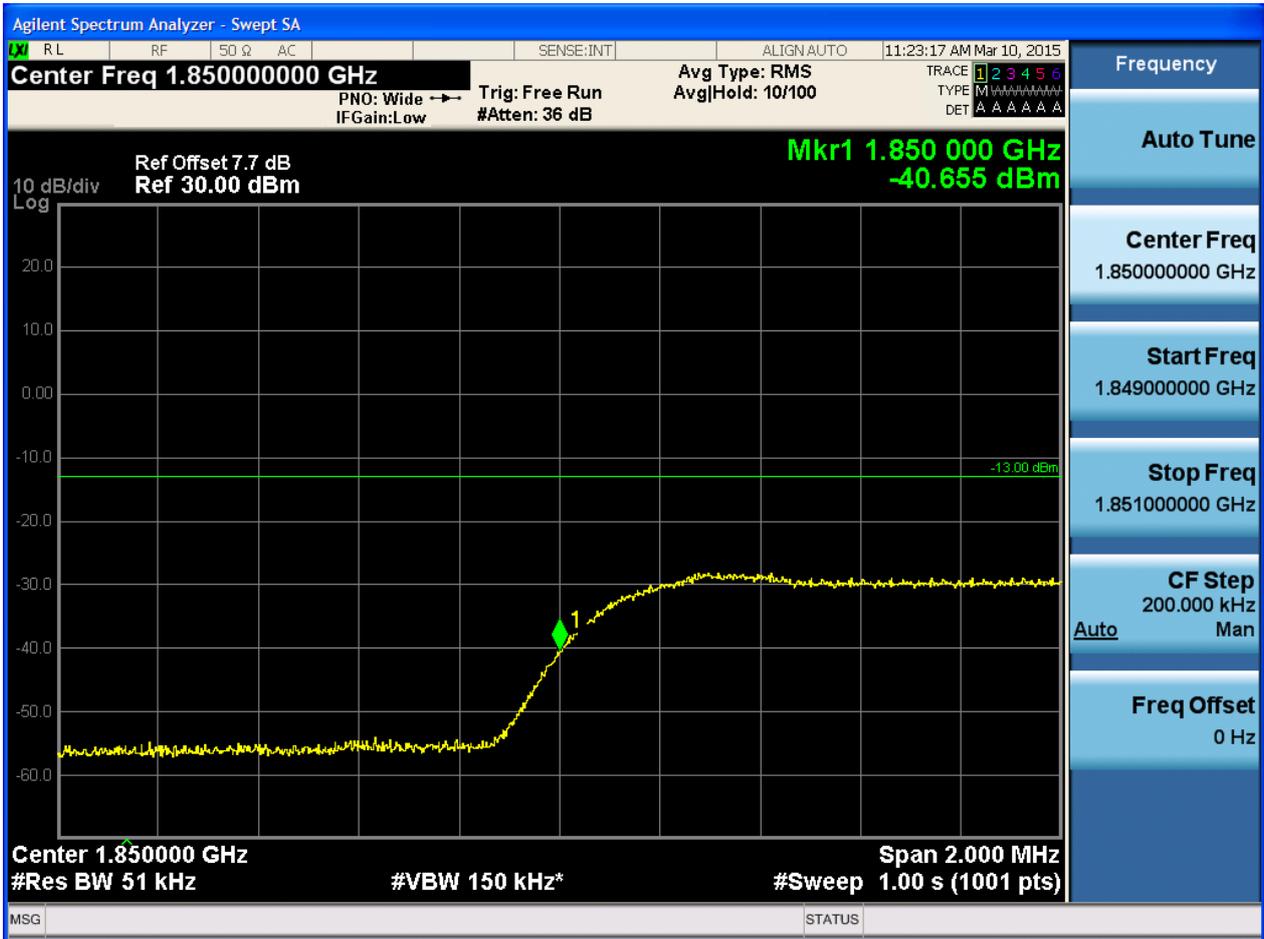## 5.1.1.1.2.2.4 Test RB = RB15#0

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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

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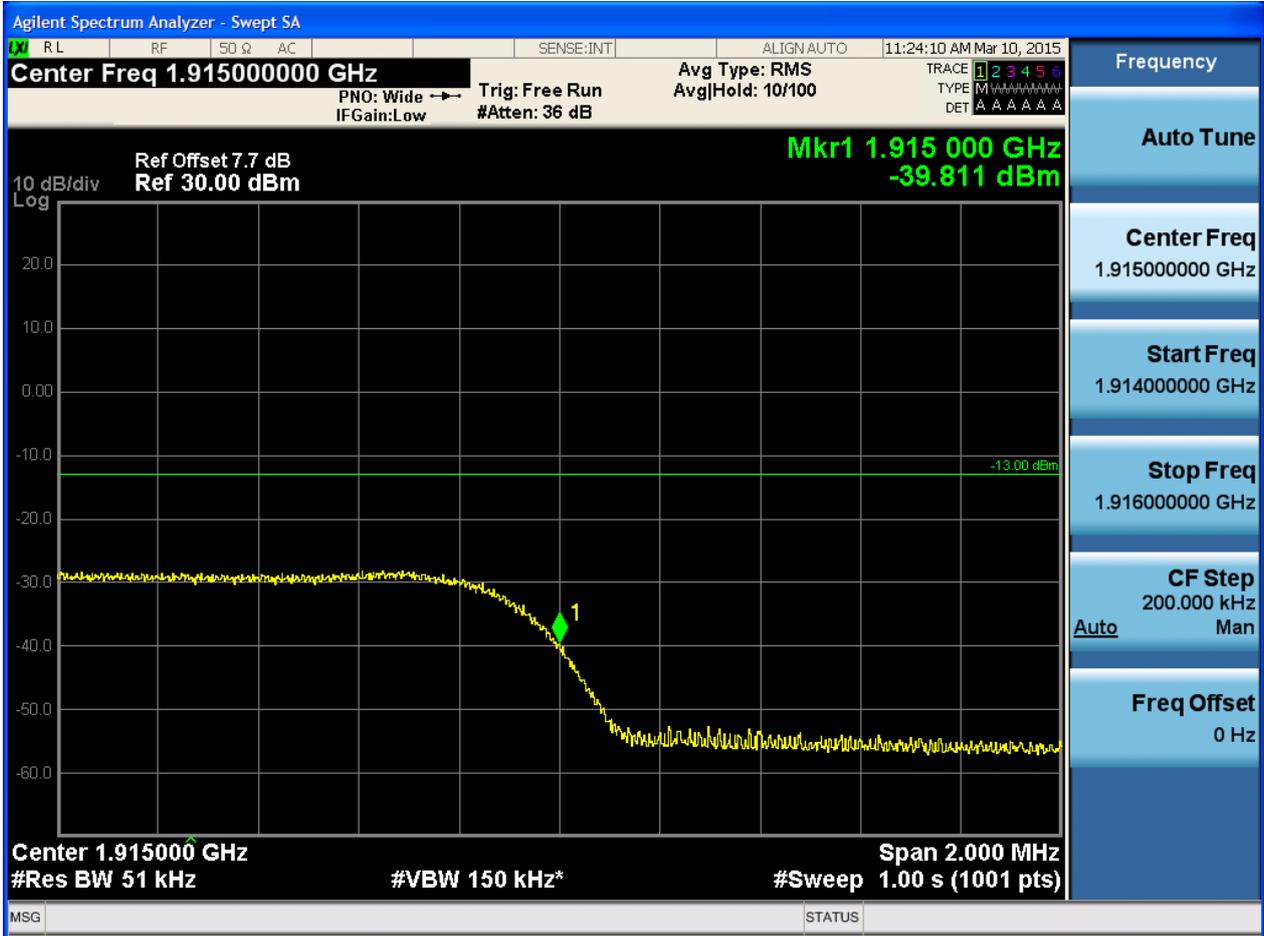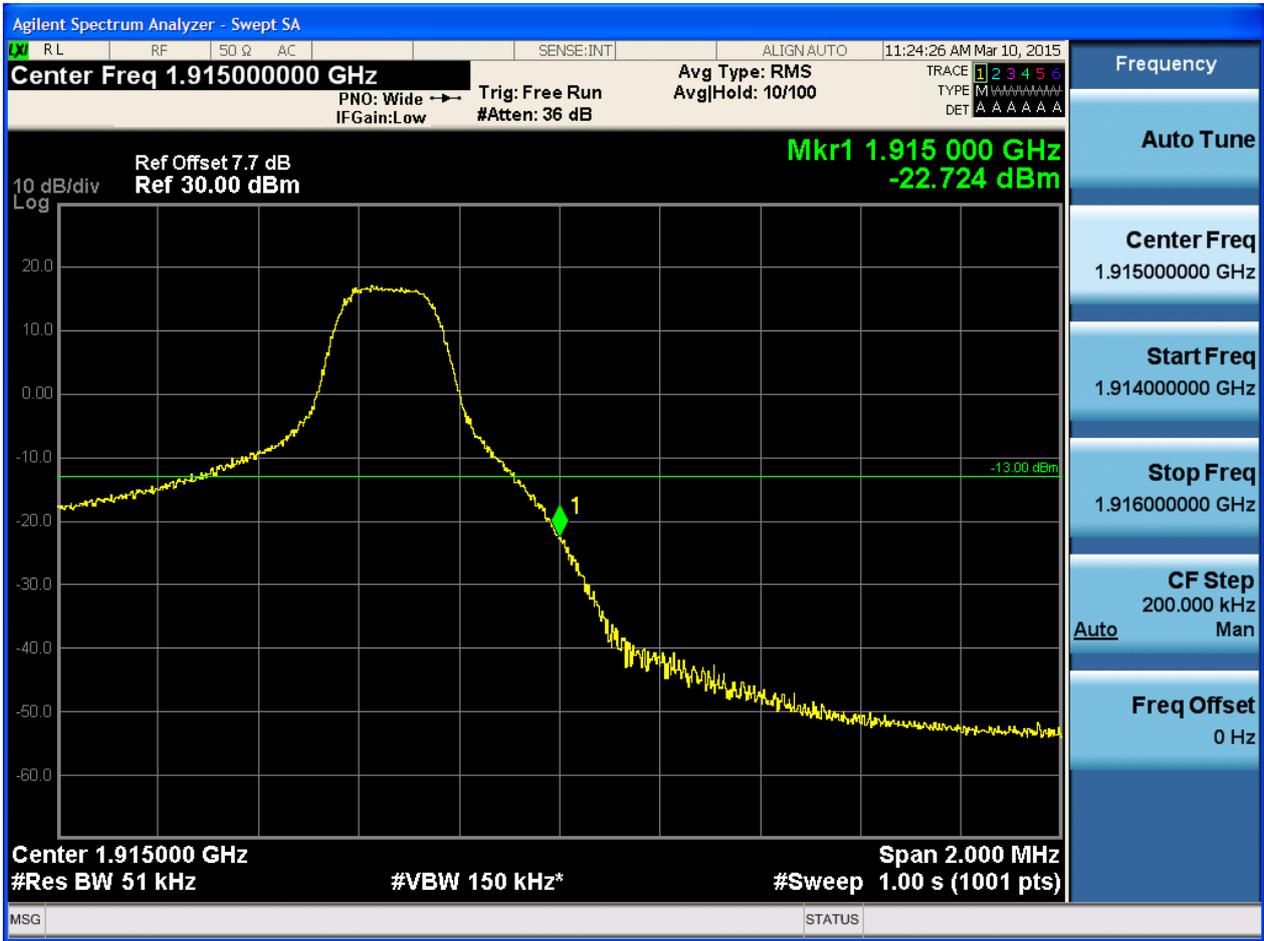Copyright © Huawei Technologies Co., Ltd.

5.1.1.1.3.1.4 Test RB = RB25#0

5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0

5.1.1.1.3.2.2 Test RB = RB1#24

5.1.1.1.3.2.3 Test RB = RB12#6

Agilent Spectrum Analyzer - Swept SA

R L	RF	50 Ω	AC		SENSE:INT	ALIGN AUTO	11:24:42 AM Mar 10, 2015	

Center Freq 1.915000000 GHz

PNO: Wide →
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg|Hold: 10/100

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

Ref Offset 7.7 dB
10 dB/div **Ref 30.00 dBm**
Log

Mkr1 1.915 600 GHz
-34.031 dBm

-13.00 dBm

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

Center 1.915000 GHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG   STATUS

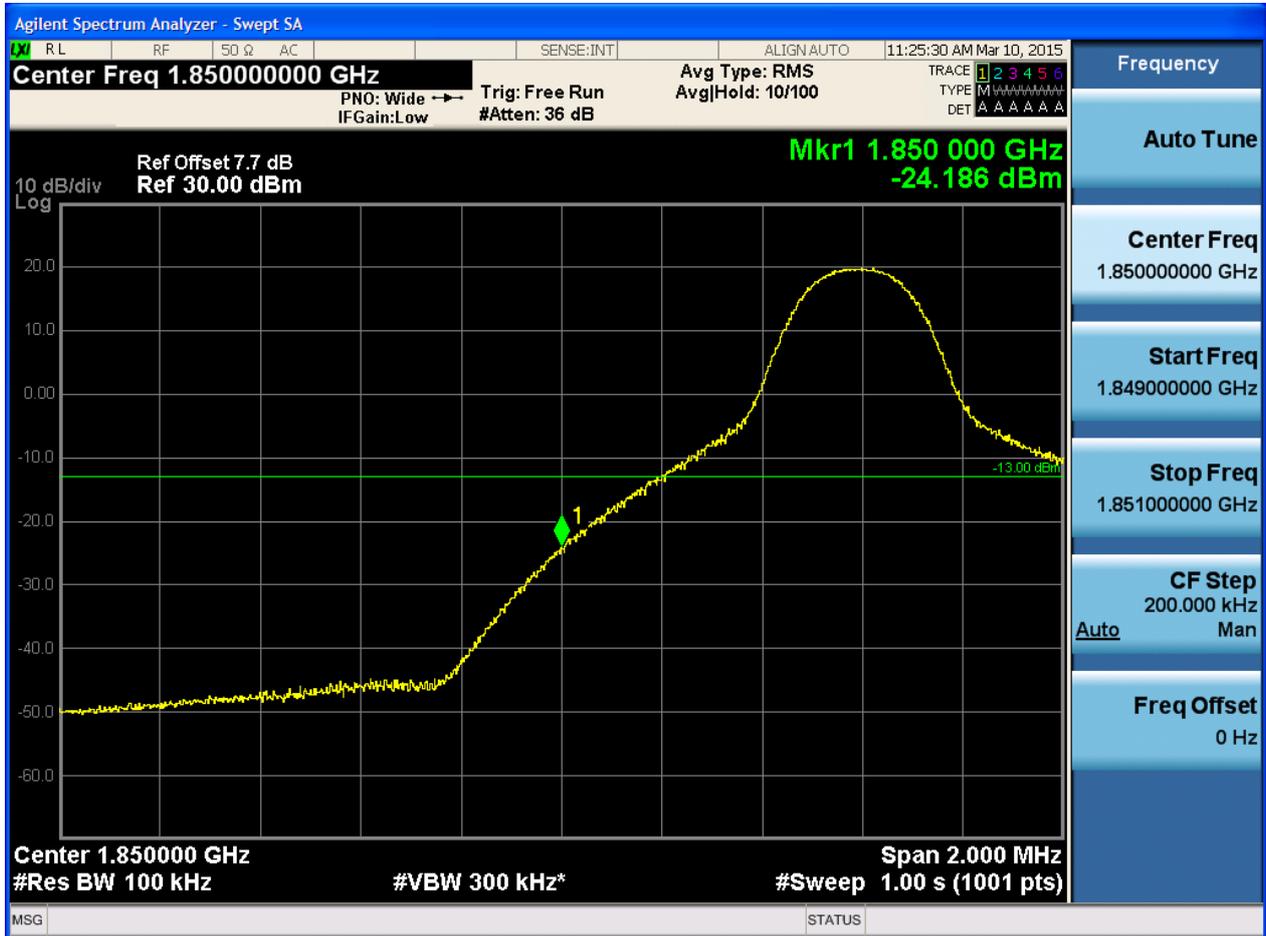## 5.1.1.1.3.2.4 Test RB = RB25#0

5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0

5.1.1.1.4.1.2 Test RB = RB1#49