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]	ERP [dBm]	Limit [dBm]	Verdict
BAND12	LTE/TM1	1.4	LCH	RB1#0	21.07	17.26	34.7	PASS
				RB1#3	21.18	17.37	34.7	PASS
				RB1#5	21.23	17.42	34.7	PASS
				RB3#0	21.1	17.29	34.7	PASS
				RB3#2	21.15	17.34	34.7	PASS
				RB3#3	21.18	17.37	34.7	PASS
				RB6#0	20.65	16.84	34.7	PASS
			MCH	RB1#0	21.47	17.66	34.7	PASS
				RB1#3	21.67	17.86	34.7	PASS
				RB1#5	21.6	17.79	34.7	PASS
				RB3#0	21.58	17.77	34.7	PASS
				RB3#2	21.67	17.86	34.7	PASS
				RB3#3	21.58	17.77	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.12	17.31	34.7	PASS
			HCH	RB1#0	21.37	17.56	34.7	PASS
				RB1#3	21.23	17.42	34.7	PASS
				RB1#5	20.86	17.05	34.7	PASS
				RB3#0	21.36	17.55	34.7	PASS
				RB3#2	21.18	17.37	34.7	PASS
				RB3#3	21.05	17.24	34.7	PASS
				RB6#0	20.71	16.9	34.7	PASS
		3	LCH	RB1#0	21.02	17.21	34.7	PASS
				RB1#7	21.58	17.77	34.7	PASS
				RB1#14	21.41	17.6	34.7	PASS
				RB8#0	20.69	16.88	34.7	PASS
				RB8#4	20.92	17.11	34.7	PASS
				RB8#7	20.88	17.07	34.7	PASS
				RB15#0	20.82	17.01	34.7	PASS
			MCH	RB1#0	21.4	17.59	34.7	PASS
				RB1#7	21.76	17.95	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.39	17.58	34.7	PASS
				RB8#0	21.11	17.3	34.7	PASS
				RB8#4	21.15	17.34	34.7	PASS
				RB8#7	21.06	17.25	34.7	PASS
				RB15#0	21.05	17.24	34.7	PASS
			HCH	RB1#0	21.65	17.84	34.7	PASS
				RB1#7	21.71	17.9	34.7	PASS
				RB1#14	20.71	16.9	34.7	PASS
				RB8#0	21.24	17.43	34.7	PASS
				RB8#4	21.07	17.26	34.7	PASS
				RB8#7	20.77	16.96	34.7	PASS
				RB15#0	21.02	17.21	34.7	PASS
		5	LCH	RB1#0	20.81	17	34.7	PASS
				RB1#13	21.59	17.78	34.7	PASS
				RB1#24	21.21	17.4	34.7	PASS
				RB12#0	20.75	16.94	34.7	PASS
				RB12#6	21.01	17.2	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	20.96	17.15	34.7	PASS
				RB25#0	20.86	17.05	34.7	PASS
			MCH	RB1#0	21.35	17.54	34.7	PASS
				RB1#13	21.71	17.9	34.7	PASS
				RB1#24	21.23	17.42	34.7	PASS
				RB12#0	21.02	17.21	34.7	PASS
				RB12#6	21.11	17.3	34.7	PASS
				RB12#13	20.95	17.14	34.7	PASS
				RB25#0	20.96	17.15	34.7	PASS
			HCH	RB1#0	21.44	17.63	34.7	PASS
				RB1#13	21.87	18.06	34.7	PASS
				RB1#24	20.66	16.85	34.7	PASS
				RB12#0	21.24	17.43	34.7	PASS
				RB12#6	21.3	17.49	34.7	PASS
				RB12#13	20.84	17.03	34.7	PASS
				RB25#0	21.02	17.21	34.7	PASS
		10	LCH	RB1#0	20.68	16.87	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.75	17.94	34.7	PASS
				RB1#49	20.87	17.06	34.7	PASS
				RB25#0	20.8	16.99	34.7	PASS
				RB25#13	21.05	17.24	34.7	PASS
				RB25#25	20.71	16.9	34.7	PASS
				RB50#0	20.75	16.94	34.7	PASS
			MCH	RB1#0	21.29	17.48	34.7	PASS
				RB1#25	21.77	17.96	34.7	PASS
				RB1#49	21.04	17.23	34.7	PASS
				RB25#0	20.96	17.15	34.7	PASS
				RB25#13	20.98	17.17	34.7	PASS
				RB25#25	20.74	16.93	34.7	PASS
				RB50#0	20.85	17.04	34.7	PASS
			HCH	RB1#0	21.18	17.37	34.7	PASS
				RB1#25	21.69	17.88	34.7	PASS
				RB1#49	20.46	16.65	34.7	PASS
				RB25#0	20.85	17.04	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.07	17.26	34.7	PASS
				RB25#25	20.78	16.97	34.7	PASS
				RB50#0	20.81	17	34.7	PASS
			LCH	RB1#0	20.46	16.65	34.7	PASS
				RB1#3	20.59	16.78	34.7	PASS
				RB1#5	20.79	16.98	34.7	PASS
				RB3#0	20.61	16.8	34.7	PASS
				RB3#2	20.75	16.94	34.7	PASS
				RB3#3	20.78	16.97	34.7	PASS
				RB6#0	21	17.19	34.7	PASS
	LTE/TM2	1.4		RB1#0	21.23	17.42	34.7	PASS
				RB1#3	21.33	17.52	34.7	PASS
				RB1#5	21.17	17.36	34.7	PASS
			MCH	RB3#0	21.11	17.3	34.7	PASS
				RB3#2	21.03	17.22	34.7	PASS
				RB3#3	20.98	17.17	34.7	PASS
				RB6#0	21.49	17.68	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	20.85	17.04	34.7	PASS
				RB1#3	20.65	16.84	34.7	PASS
				RB1#5	20.29	16.48	34.7	PASS
				RB3#0	20.8	16.99	34.7	PASS
				RB3#2	20.67	16.86	34.7	PASS
				RB3#3	20.55	16.74	34.7	PASS
				RB6#0	21.02	17.21	34.7	PASS
		3	LCH	RB1#0	20.49	16.68	34.7	PASS
				RB1#7	21.22	17.41	34.7	PASS
				RB1#14	21.07	17.26	34.7	PASS
				RB8#0	20.95	17.14	34.7	PASS
				RB8#4	21.11	17.3	34.7	PASS
				RB8#7	21.03	17.22	34.7	PASS
				RB15#0	20.92	17.11	34.7	PASS
			MCH	RB1#0	21.12	17.31	34.7	PASS
				RB1#7	21.08	17.27	34.7	PASS
				RB1#14	21.04	17.23	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.36	17.55	34.7	PASS
				RB8#4	21.43	17.62	34.7	PASS
				RB8#7	21.31	17.5	34.7	PASS
				RB15#0	21.28	17.47	34.7	PASS
			HCH	RB1#0	21.19	17.38	34.7	PASS
				RB1#7	21.23	17.42	34.7	PASS
				RB1#14	20.41	16.6	34.7	PASS
				RB8#0	21.47	17.66	34.7	PASS
				RB8#4	21.39	17.58	34.7	PASS
				RB8#7	21.1	17.29	34.7	PASS
				RB15#0	21.22	17.41	34.7	PASS
		5	LCH	RB1#0	20.36	16.55	34.7	PASS
				RB1#13	21.19	17.38	34.7	PASS
				RB1#24	20.78	16.97	34.7	PASS
				RB12#0	20.85	17.04	34.7	PASS
				RB12#6	21.08	17.27	34.7	PASS
				RB12#13	21.02	17.21	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.89	17.08	34.7	PASS
			MCH	RB1#0	21.08	17.27	34.7	PASS
				RB1#13	21.36	17.55	34.7	PASS
				RB1#24	20.92	17.11	34.7	PASS
				RB12#0	21.24	17.43	34.7	PASS
				RB12#6	21.34	17.53	34.7	PASS
				RB12#13	21.2	17.39	34.7	PASS
				RB25#0	21.19	17.38	34.7	PASS
			HCH	RB1#0	21.07	17.26	34.7	PASS
				RB1#13	21.51	17.7	34.7	PASS
				RB1#24	20.3	16.49	34.7	PASS
				RB12#0	21.41	17.6	34.7	PASS
				RB12#6	21.49	17.68	34.7	PASS
				RB12#13	21.08	17.27	34.7	PASS
				RB25#0	21.16	17.35	34.7	PASS
		10	LCH	RB1#0	20.25	16.44	34.7	PASS
				RB1#25	21.35	17.54	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	20.47	16.66	34.7	PASS
				RB25#0	20.79	16.98	34.7	PASS
				RB25#13	21.17	17.36	34.7	PASS
				RB25#25	20.87	17.06	34.7	PASS
				RB50#0	20.95	17.14	34.7	PASS
			MCH	RB1#0	20.85	17.04	34.7	PASS
				RB1#25	21.33	17.52	34.7	PASS
				RB1#49	20.53	16.72	34.7	PASS
				RB25#0	21.15	17.34	34.7	PASS
				RB25#13	21.21	17.4	34.7	PASS
				RB25#25	20.96	17.15	34.7	PASS
				RB50#0	21.04	17.23	34.7	PASS
			HCH	RB1#0	20.75	16.94	34.7	PASS
				RB1#25	21.28	17.47	34.7	PASS
				RB1#49	20.06	16.25	34.7	PASS
				RB25#0	21.01	17.2	34.7	PASS
				RB25#13	21.28	17.47	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.91	17.1	34.7	PASS
				RB50#0	21.06	17.25	34.7	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:

SET Span=1.5*OBW

SET RBW=1%of the OBW,not to wxceed 1MHz

SET VBW>= 3*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
BAND12	LTE/TM1	1.4	LCH	RB1#0	4.41	13	PASS
				RB1#3	4.33	13	PASS
				RB1#5	4.32	13	PASS
				RB3#0	4.84	13	PASS
				RB3#2	4.83	13	PASS
				RB3#3	4.63	13	PASS
				RB6#0	5.59	13	PASS
			MCH	RB1#0	4.19	13	PASS
				RB1#3	4.37	13	PASS
				RB1#5	4.44	13	PASS
				RB3#0	4.58	13	PASS
				RB3#2	4.44	13	PASS
				RB3#3	4.67	13	PASS
				RB6#0	5.26	13	PASS
			HCH	RB1#0	3.83	13	PASS
				RB1#3	4.11	13	PASS
				RB1#5	4.06	13	PASS
				RB3#0	4.36	13	PASS
				RB3#2	4.39	13	PASS
				RB3#3	4.47	13	PASS
				RB6#0	5.1	13	PASS
		3	LCH	RB1#0	4.58	13	PASS
				RB1#7	3.99	13	PASS
				RB1#14	4.35	13	PASS
				RB8#0	5.32	13	PASS
				RB8#4	5.22	13	PASS
				RB8#7	5.28	13	PASS
				RB15#0	5.55	13	PASS
			MCH	RB1#0	4.31	13	PASS
				RB1#7	4.15	13	PASS
				RB1#14	4.45	13	PASS
				RB8#0	5.15	13	PASS
				RB8#4	5.02	13	PASS
				RB8#7	5.2	13	PASS
				RB15#0	5.65	13	PASS
			HCH	RB1#0	4.08	13	PASS
				RB1#7	3.83	13	PASS
				RB1#14	4.05	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	4.79	13	PASS
				RB8#4	4.65	13	PASS
				RB8#7	4.8	13	PASS
				RB15#0	5.12	13	PASS
		5	LCH	RB1#0	4.55	13	PASS
				RB1#13	4.03	13	PASS
				RB1#24	4.19	13	PASS
				RB12#0	5.37	13	PASS
				RB12#6	5.12	13	PASS
				RB12#13	5.21	13	PASS
				RB25#0	5.51	13	PASS
			MCH	RB1#0	4.35	13	PASS
				RB1#13	4.36	13	PASS
				RB1#24	4.62	13	PASS
				RB12#0	5.18	13	PASS
				RB12#6	5.11	13	PASS
				RB12#13	5.27	13	PASS
				RB25#0	5.45	13	PASS
			HCH	RB1#0	4.31	13	PASS
				RB1#13	4.02	13	PASS
				RB1#24	4.39	13	PASS
				RB12#0	4.97	13	PASS
				RB12#6	4.67	13	PASS
				RB12#13	4.88	13	PASS
				RB25#0	5.34	13	PASS
		10	LCH	RB1#0	4.72	13	PASS
				RB1#25	4.1	13	PASS
				RB1#49	4.67	13	PASS
				RB25#0	5.26	13	PASS
				RB25#13	5.03	13	PASS
				RB25#25	5.37	13	PASS
				RB50#0	5.45	13	PASS
			MCH	RB1#0	4.18	13	PASS
				RB1#25	4.12	13	PASS
				RB1#49	4.37	13	PASS
				RB25#0	5.14	13	PASS
				RB25#13	5.04	13	PASS
				RB25#25	5.37	13	PASS
				RB50#0	5.65	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.34	13	PASS
				RB1#25	4.12	13	PASS
				RB1#49	4.45	13	PASS
				RB25#0	5.47	13	PASS
				RB25#13	5.07	13	PASS
				RB25#25	5.19	13	PASS
				RB50#0	5.53	13	PASS
			LCH	RB1#0	5.21	13	PASS
				RB1#3	5.05	13	PASS
				RB1#5	5.12	13	PASS
				RB3#0	5.56	13	PASS
				RB3#2	5.69	13	PASS
				RB3#3	5.78	13	PASS
				RB6#0	6.52	13	PASS
		1.4	MCH	RB1#0	5.08	13	PASS
				RB1#3	5.07	13	PASS
				RB1#5	5.26	13	PASS
				RB3#0	5.35	13	PASS
				RB3#2	5.29	13	PASS
				RB3#3	5.6	13	PASS
				RB6#0	6.19	13	PASS
	LTE/TM2		HCH	RB1#0	5.07	13	PASS
				RB1#3	4.72	13	PASS
				RB1#5	5.33	13	PASS
				RB3#0	5.34	13	PASS
				RB3#2	5.3	13	PASS
				RB3#3	5.52	13	PASS
				RB6#0	6.03	13	PASS
		3	LCH	RB1#0	5.28	13	PASS
				RB1#7	4.84	13	PASS
				RB1#14	5.03	13	PASS
				RB8#0	5.92	13	PASS
				RB8#4	5.78	13	PASS
				RB8#7	5.81	13	PASS
				RB15#0	6.25	13	PASS
			MCH	RB1#0	5.04	13	PASS
				RB1#7	4.92	13	PASS
				RB1#14	5.33	13	PASS
				RB8#0	5.99	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	5.74	13	PASS
				RB8#7	6.07	13	PASS
				RB15#0	6.34	13	PASS
			HCH	RB1#0	5.07	13	PASS
				RB1#7	4.82	13	PASS
				RB1#14	5.47	13	PASS
				RB8#0	5.59	13	PASS
				RB8#4	5.48	13	PASS
				RB8#7	5.66	13	PASS
				RB15#0	6.06	13	PASS
		5	LCH	RB1#0	5.38	13	PASS
				RB1#13	5.04	13	PASS
				RB1#24	5.06	13	PASS
				RB12#0	6.4	13	PASS
				RB12#6	6.13	13	PASS
				RB12#13	6.14	13	PASS
				RB25#0	6.31	13	PASS
			MCH	RB1#0	5.15	13	PASS
				RB1#13	5.11	13	PASS
				RB1#24	5.38	13	PASS
				RB12#0	6.03	13	PASS
				RB12#6	6.04	13	PASS
				RB12#13	6.1	13	PASS
				RB25#0	6.49	13	PASS
			HCH	RB1#0	5.16	13	PASS
				RB1#13	4.98	13	PASS
				RB1#24	5.36	13	PASS
				RB12#0	6.07	13	PASS
				RB12#6	5.8	13	PASS
				RB12#13	6.03	13	PASS
				RB25#0	6.21	13	PASS
		10	LCH	RB1#0	5.34	13	PASS
				RB1#25	4.77	13	PASS
				RB1#49	5.23	13	PASS
				RB25#0	6.34	13	PASS
				RB25#13	5.99	13	PASS
				RB25#25	6.4	13	PASS
				RB50#0	6.47	13	PASS
			MCH	RB1#0	4.73	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	5.03	13	PASS
				RB1#49	4.9	13	PASS
				RB25#0	6.32	13	PASS
				RB25#13	6.2	13	PASS
				RB25#25	6.52	13	PASS
				RB50#0	6.51	13	PASS
			HCH	RB1#0	5.03	13	PASS
				RB1#25	4.87	13	PASS
				RB1#49	5.14	13	PASS
				RB25#0	6.34	13	PASS
				RB25#13	6.11	13	PASS
				RB25#25	6.15	13	PASS
				RB50#0	6.51	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = BAND12

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
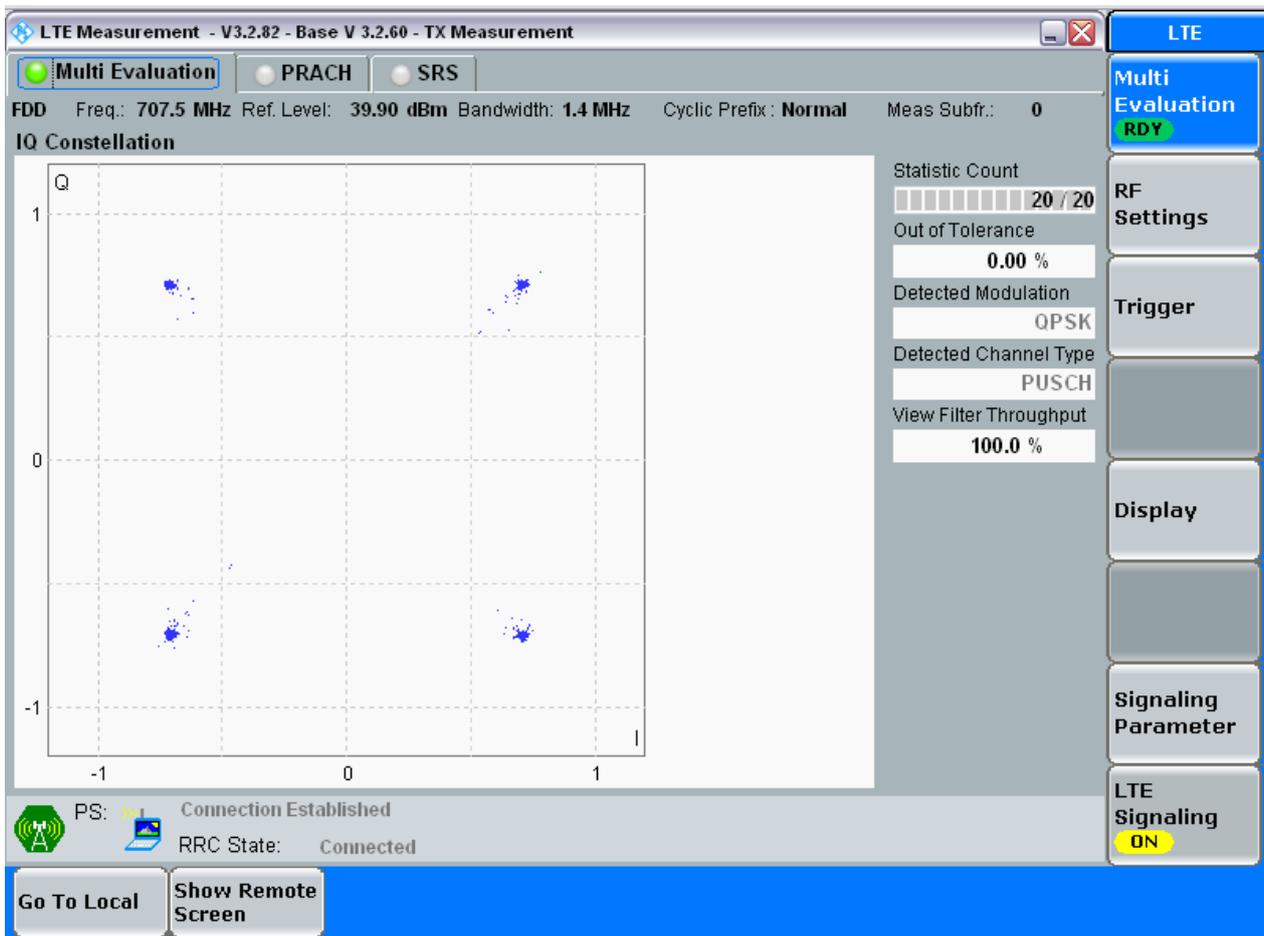
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

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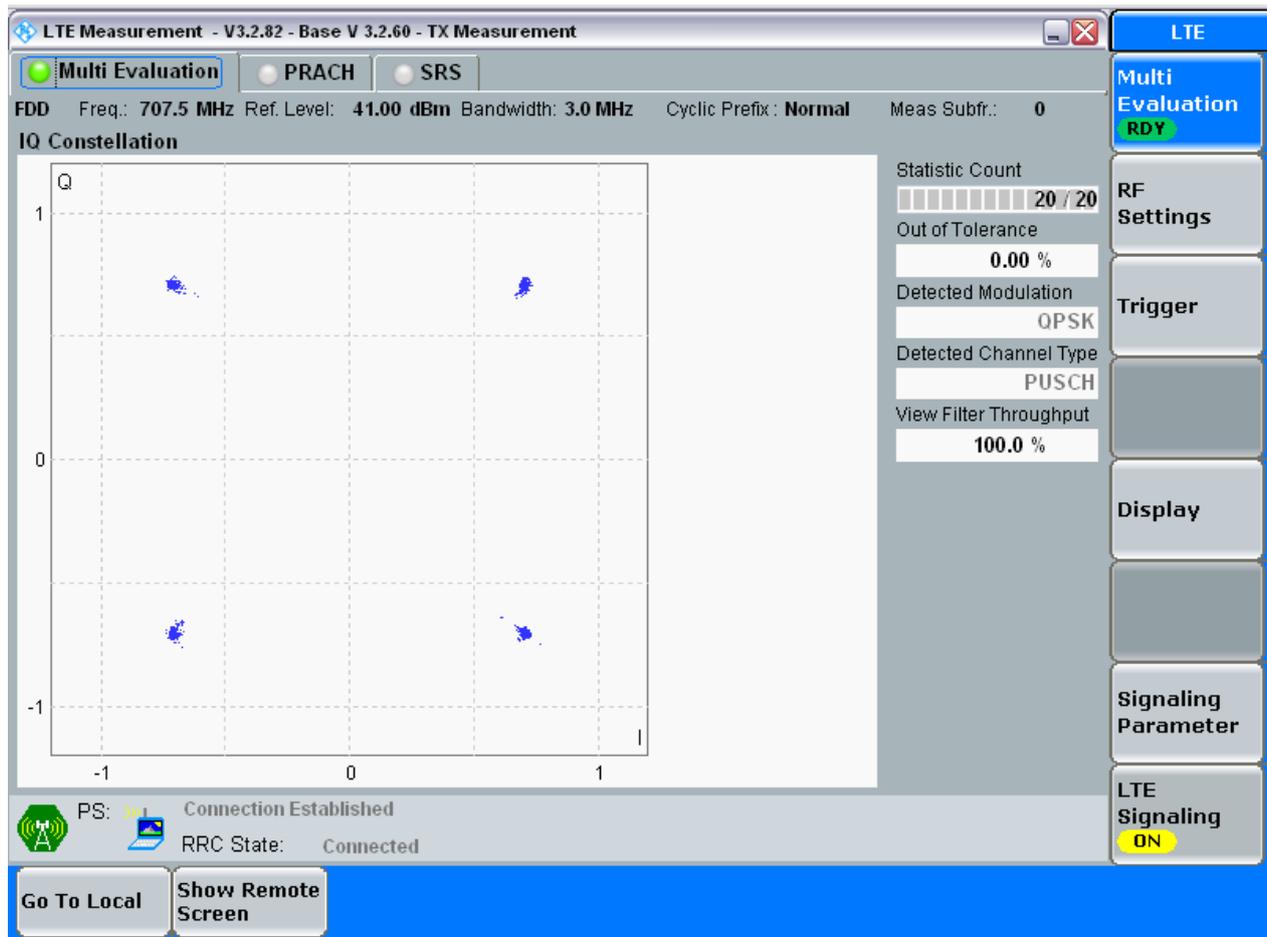
3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

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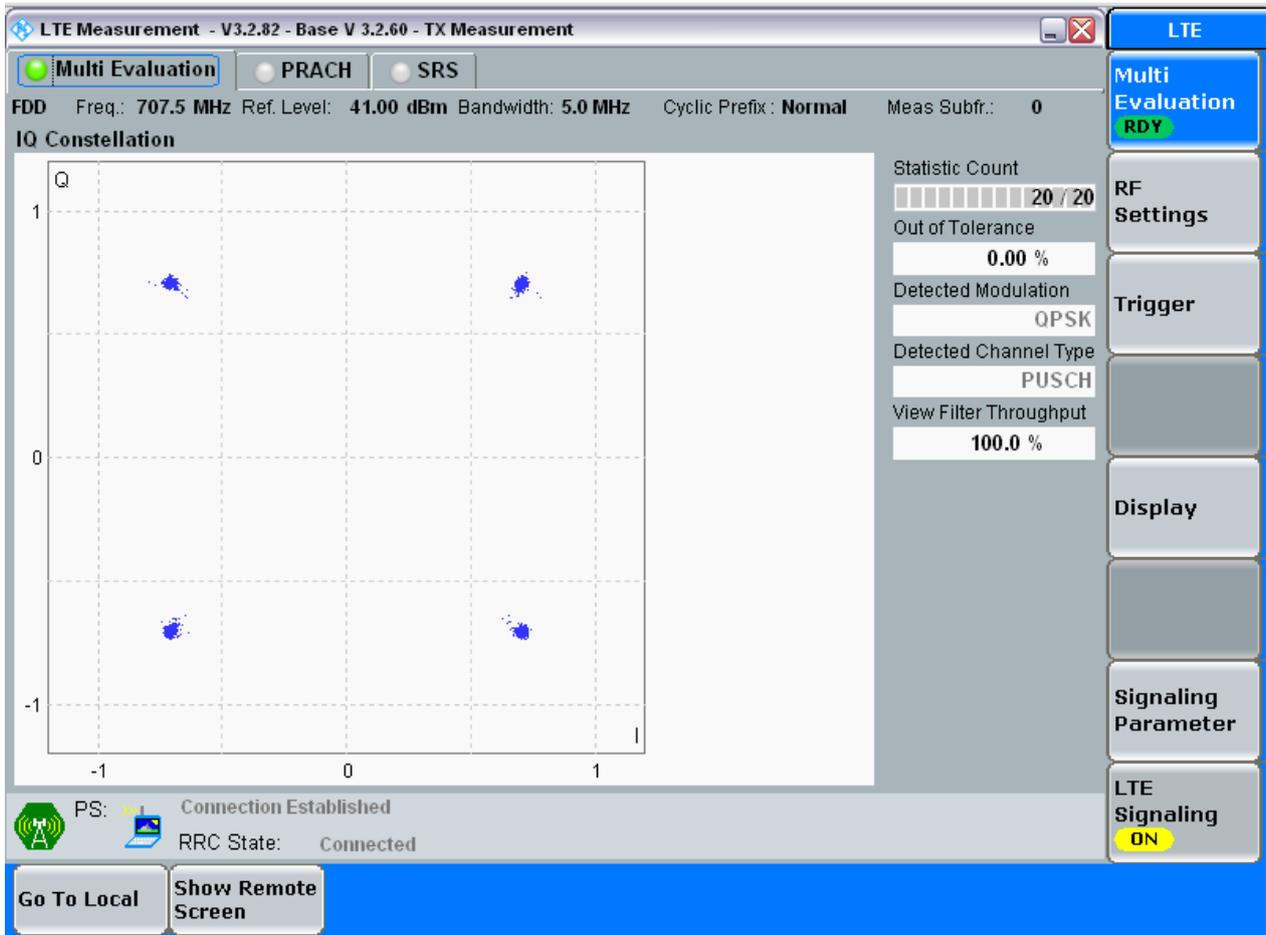
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0
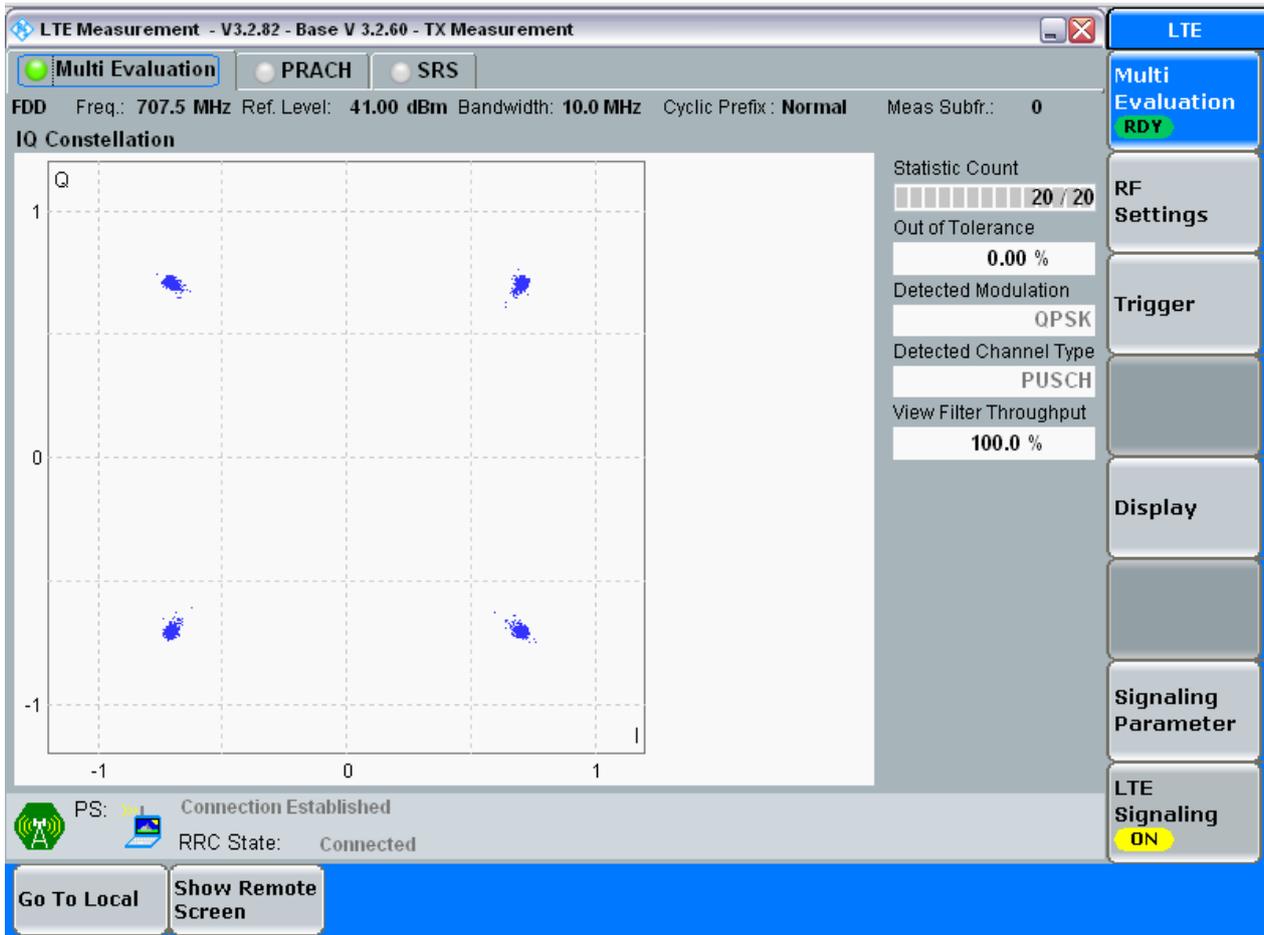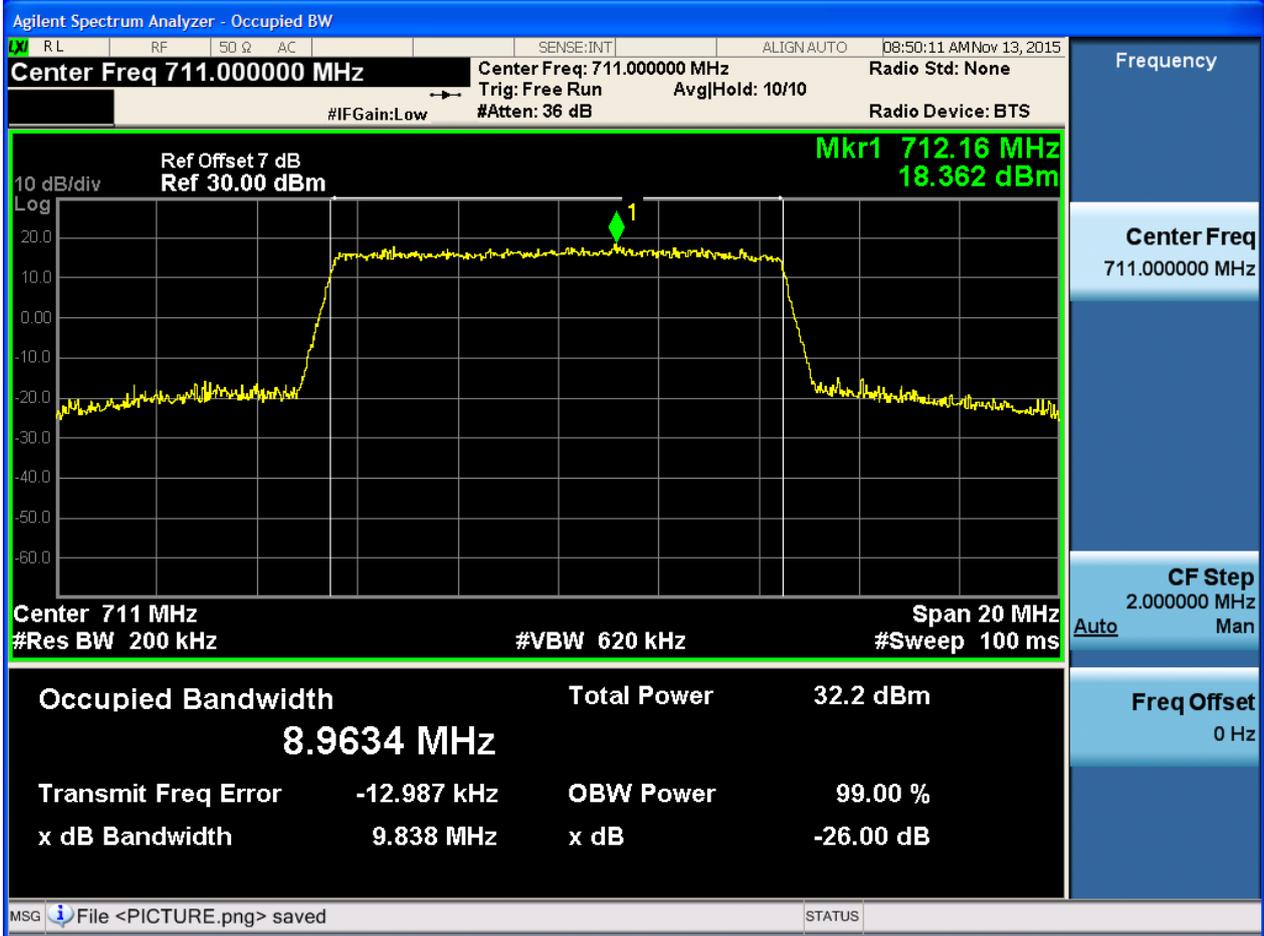
3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4
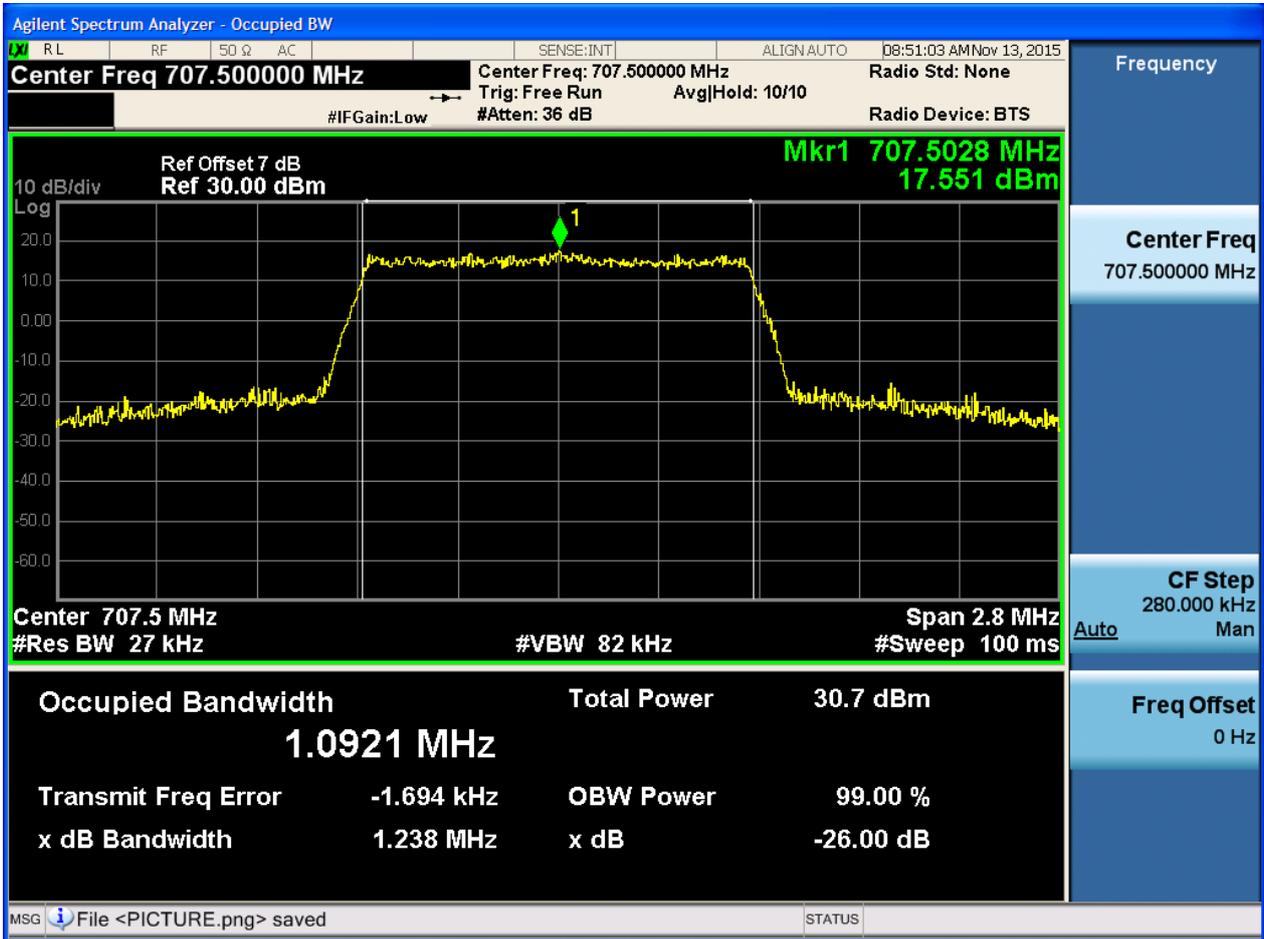
3.1.1.2.1.1 Test Channel = MCH

3.1.1.2.1.1.1 Test RB = RB6#0
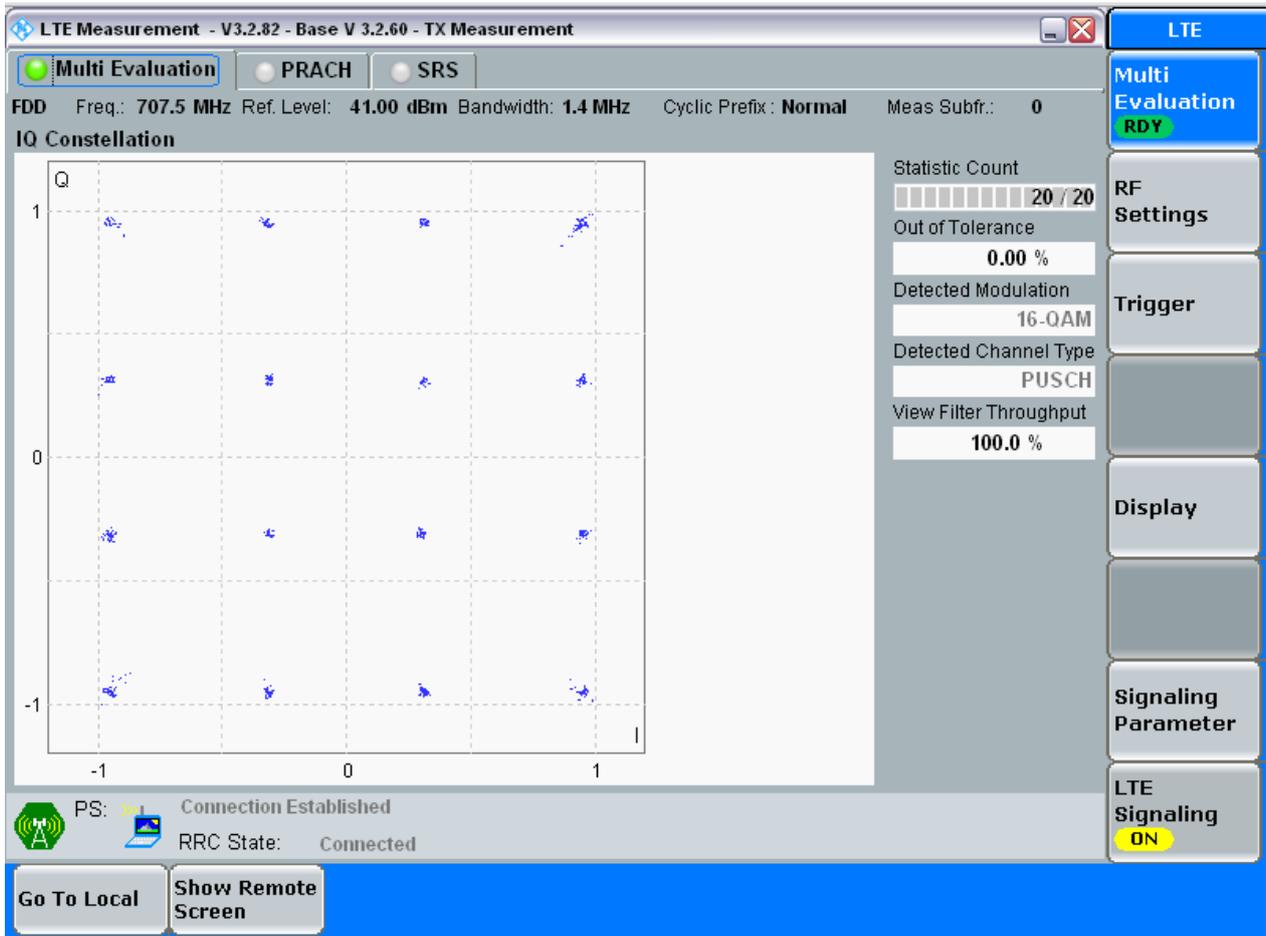
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

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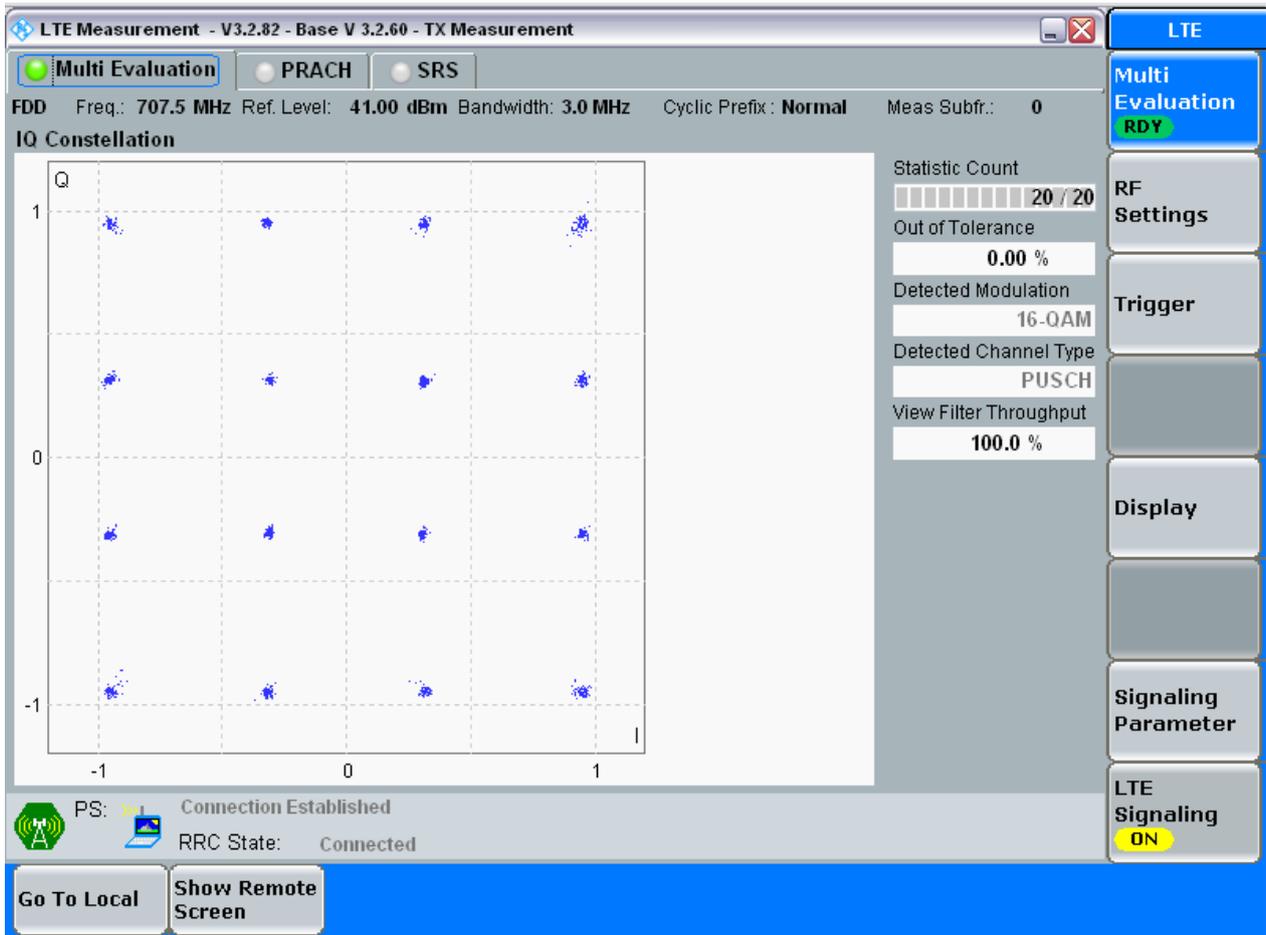
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

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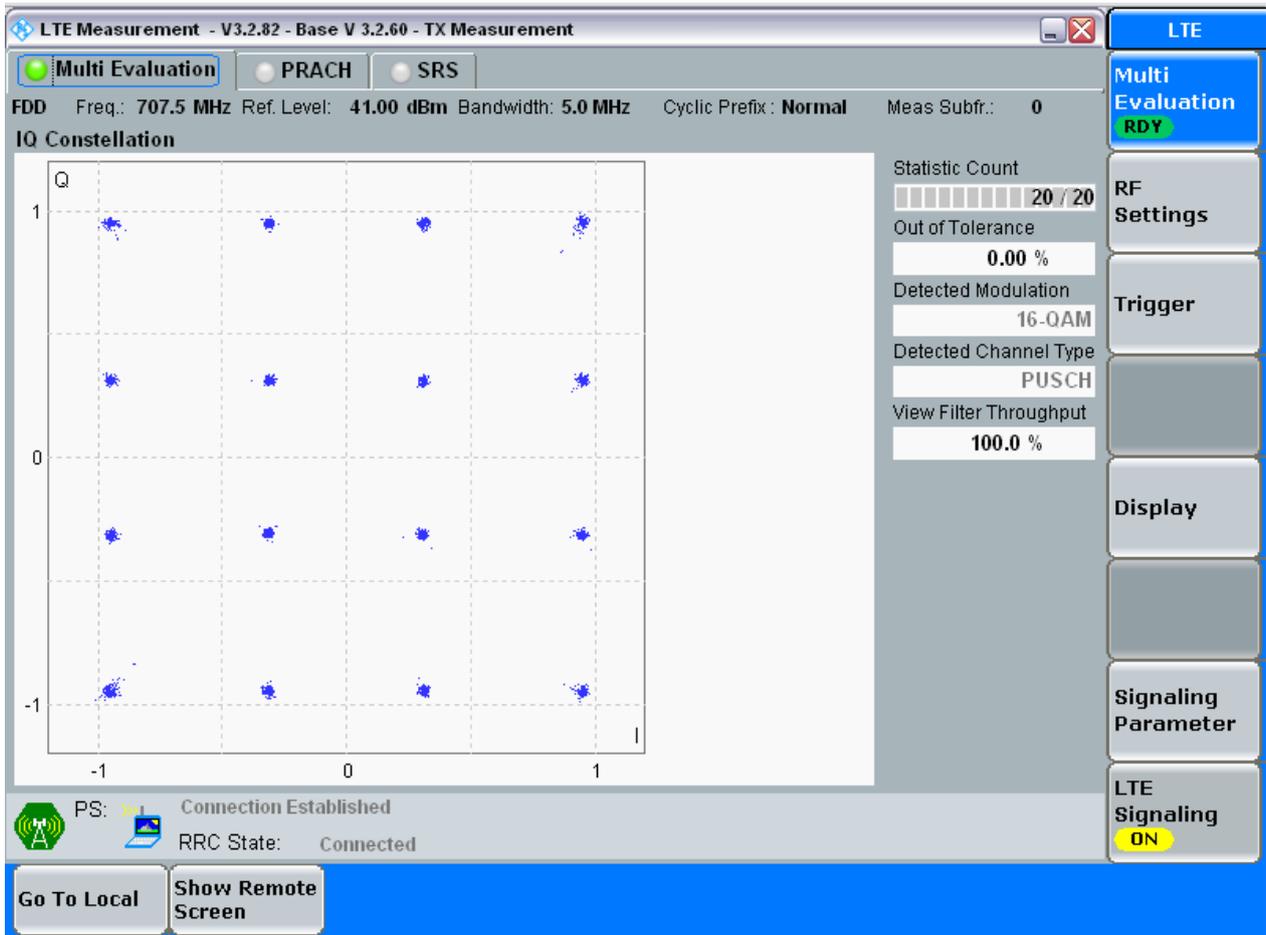
3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0
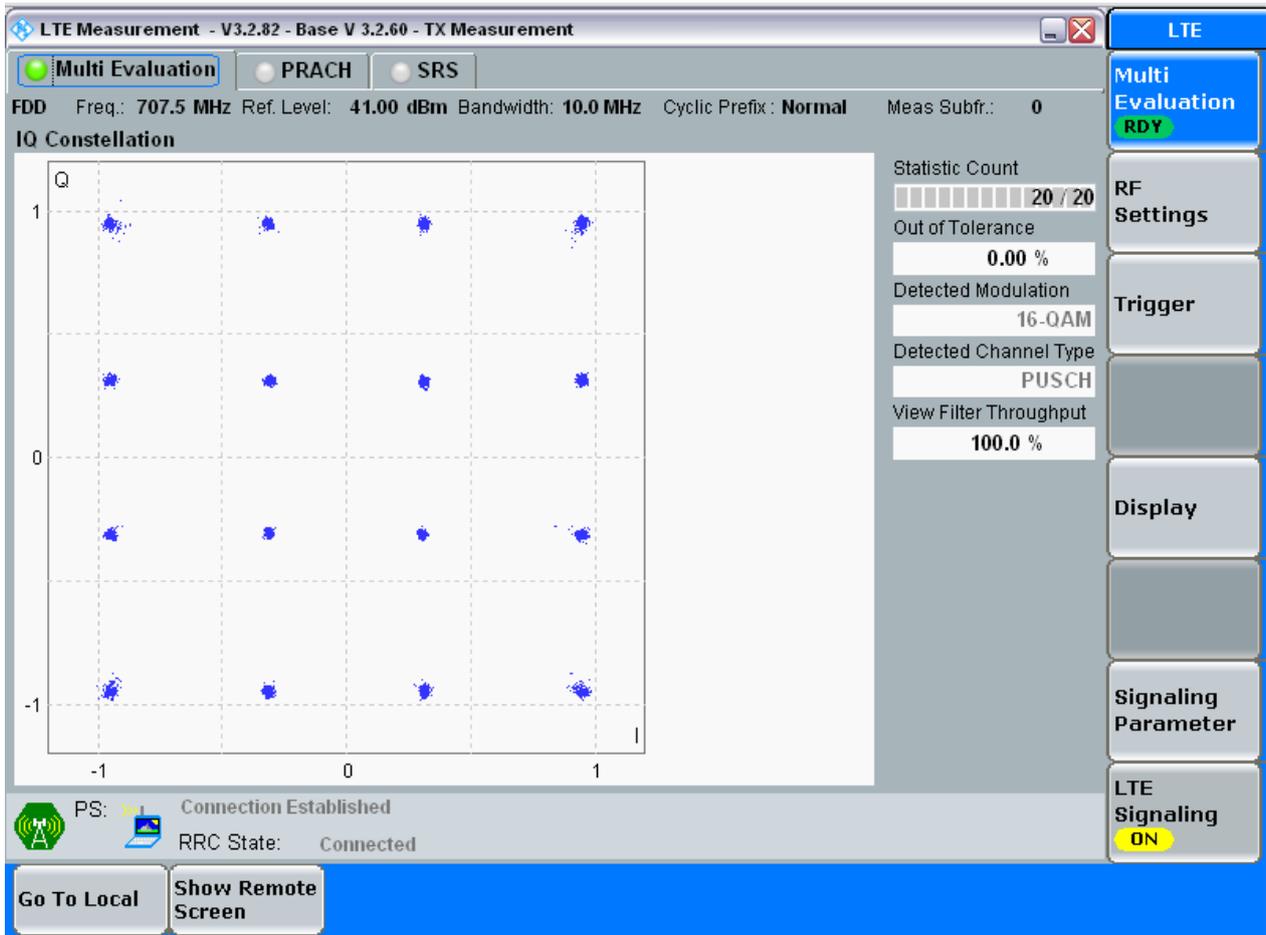
4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND12	LTE/TM1	1.4	LCH	RB6#0	1.10	1.23	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.70	2.97	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.51	4.96	Pass
			MCH	RB25#0	4.52	4.94	Pass
			HCH	RB25#0	4.50	4.94	Pass
		10	LCH	RB50#0	8.96	9.87	Pass
			MCH	RB50#0	9.00	9.88	Pass
			HCH	RB50#0	8.96	9.84	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.23	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.70	2.99	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.50	4.97	Pass
			MCH	RB25#0	4.51	4.97	Pass
			HCH	RB25#0	4.50	4.94	Pass
		10	LCH	RB50#0	8.97	9.88	Pass
			MCH	RB50#0	9.02	9.95	Pass
			HCH	RB50#0	8.97	9.89	Pass

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND12

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
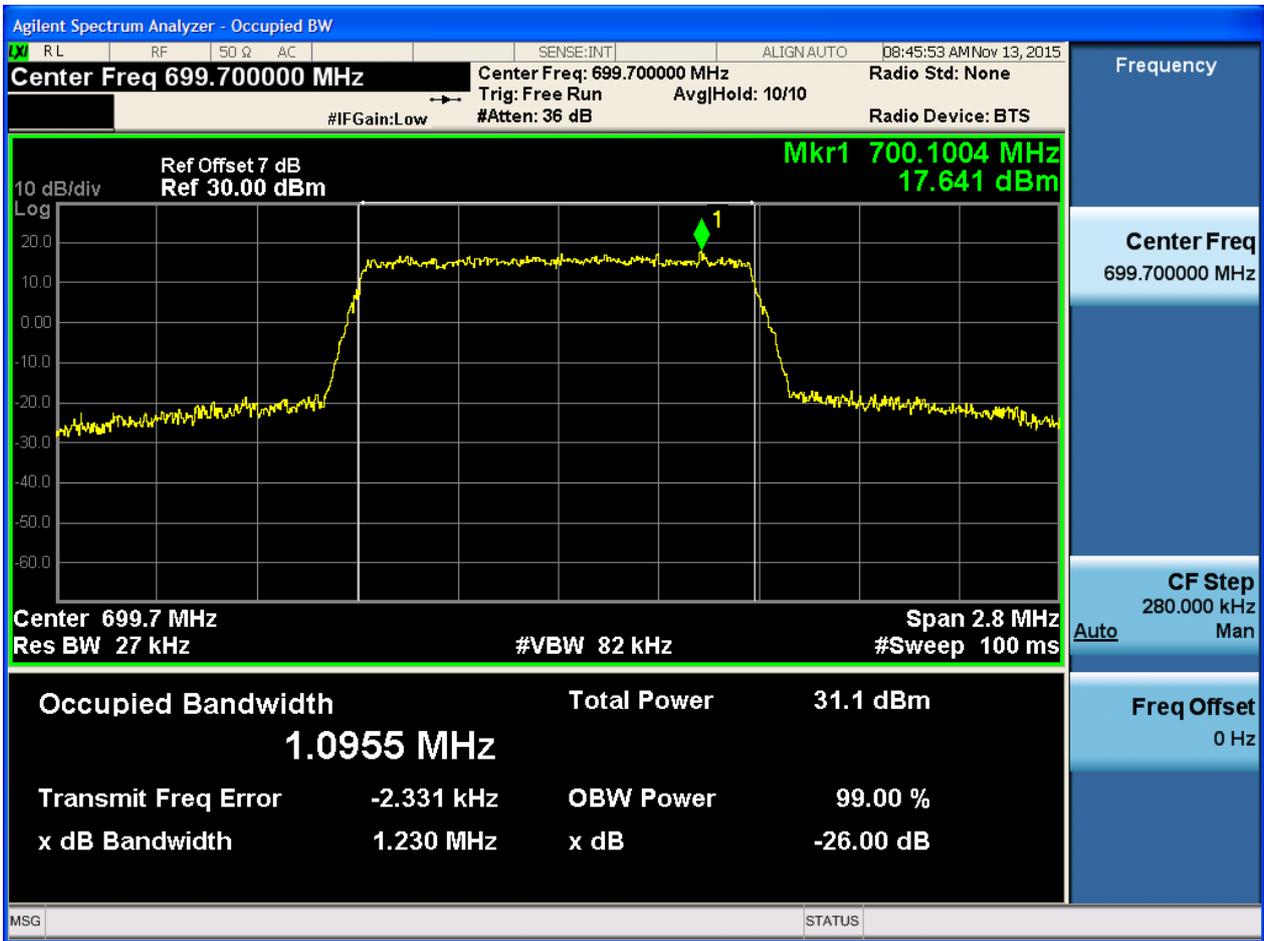
4.1.1.1.1.2 Test Channel = MCH

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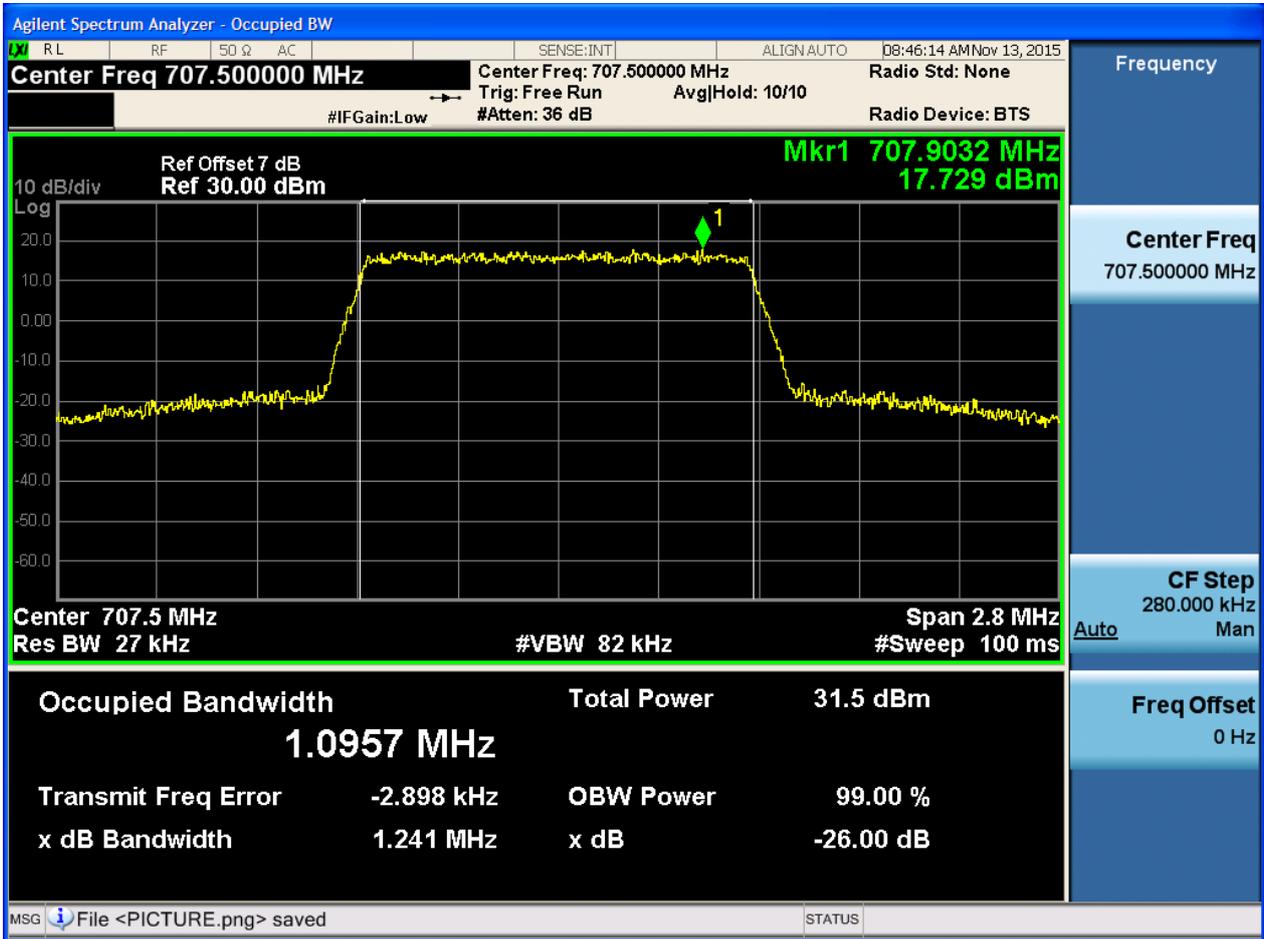
4.1.1.1.1.3 Test Channel = HCH

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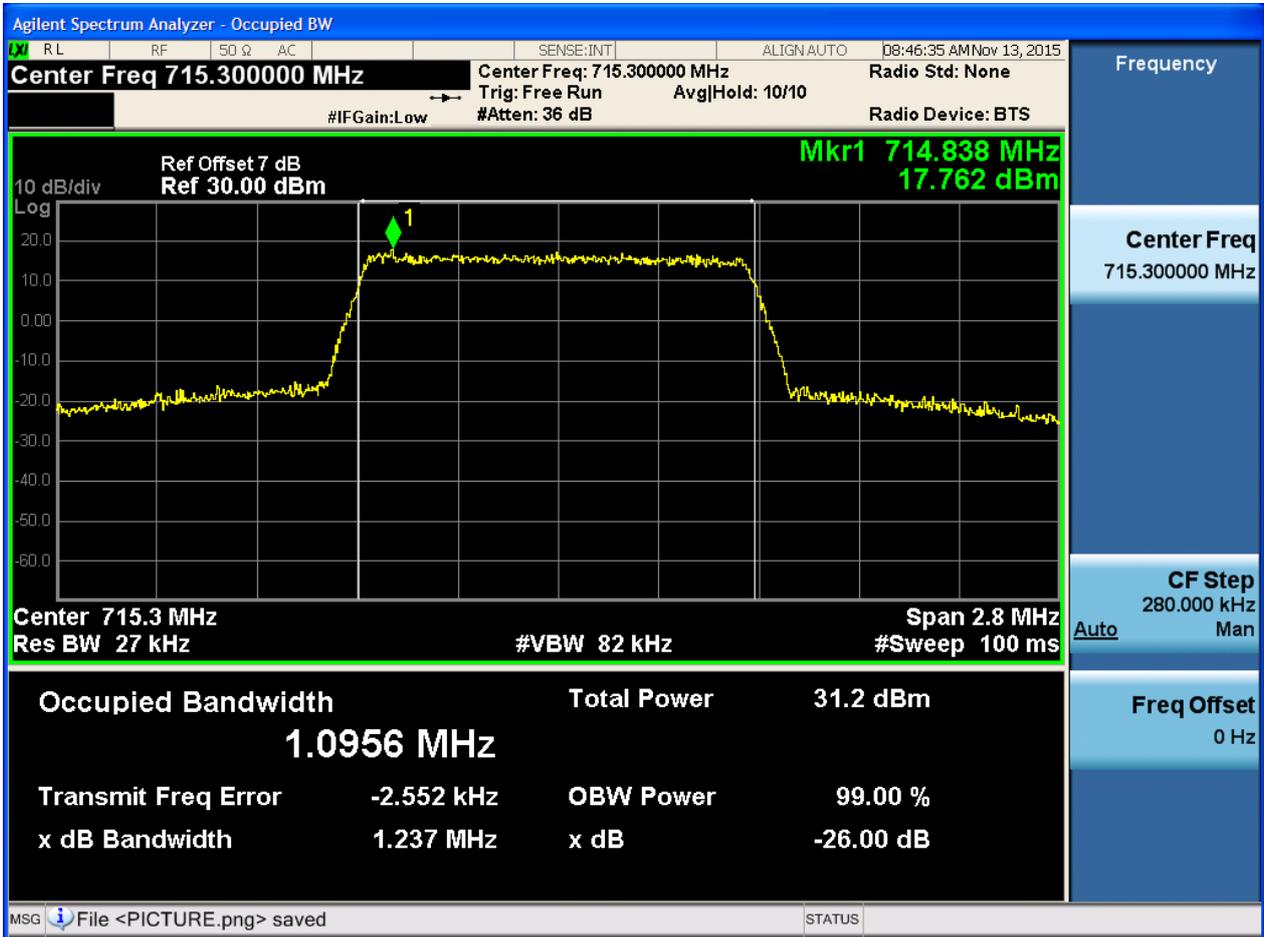
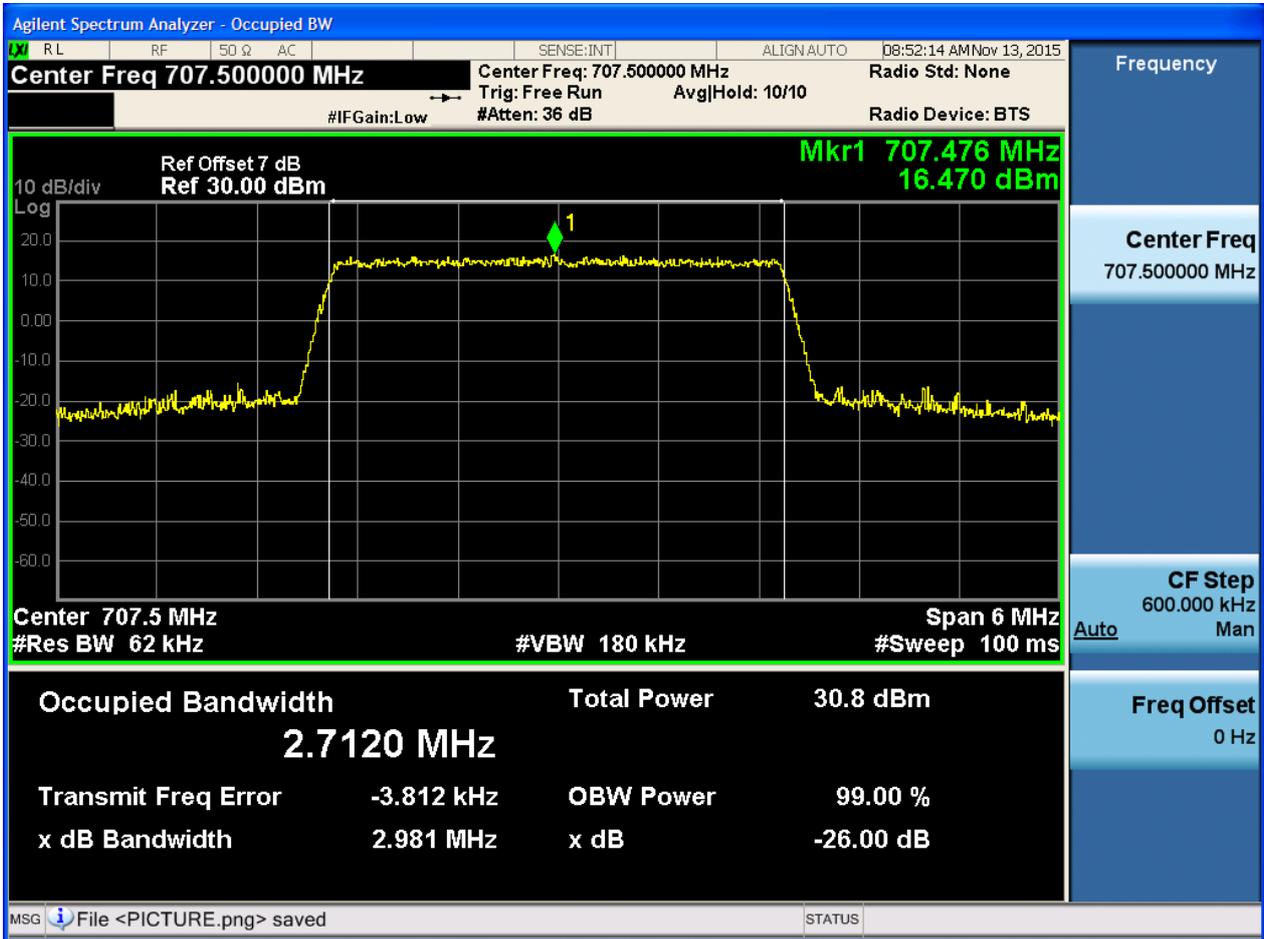### 4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

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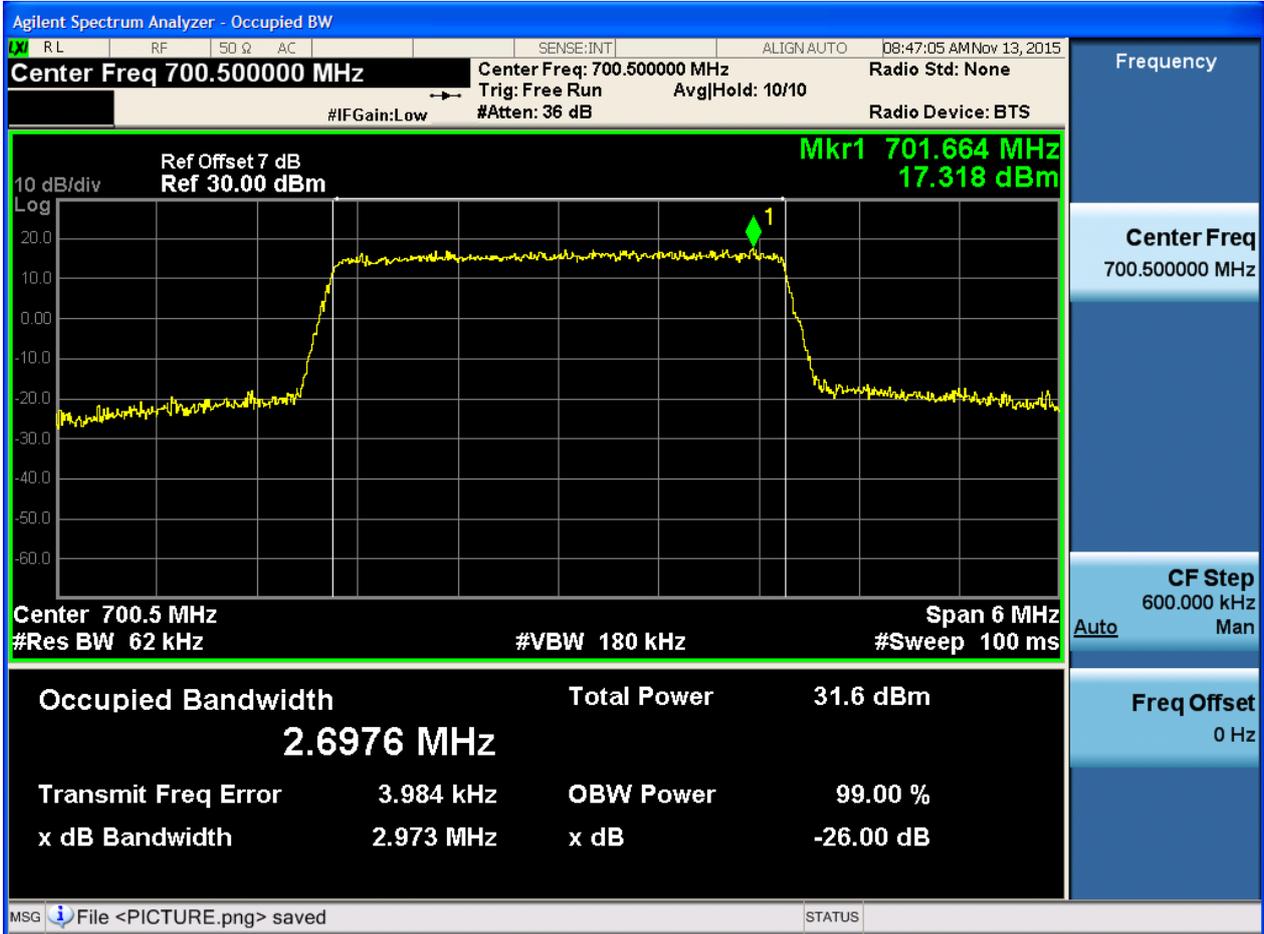
4.1.1.1.2.2 Test Channel = MCH

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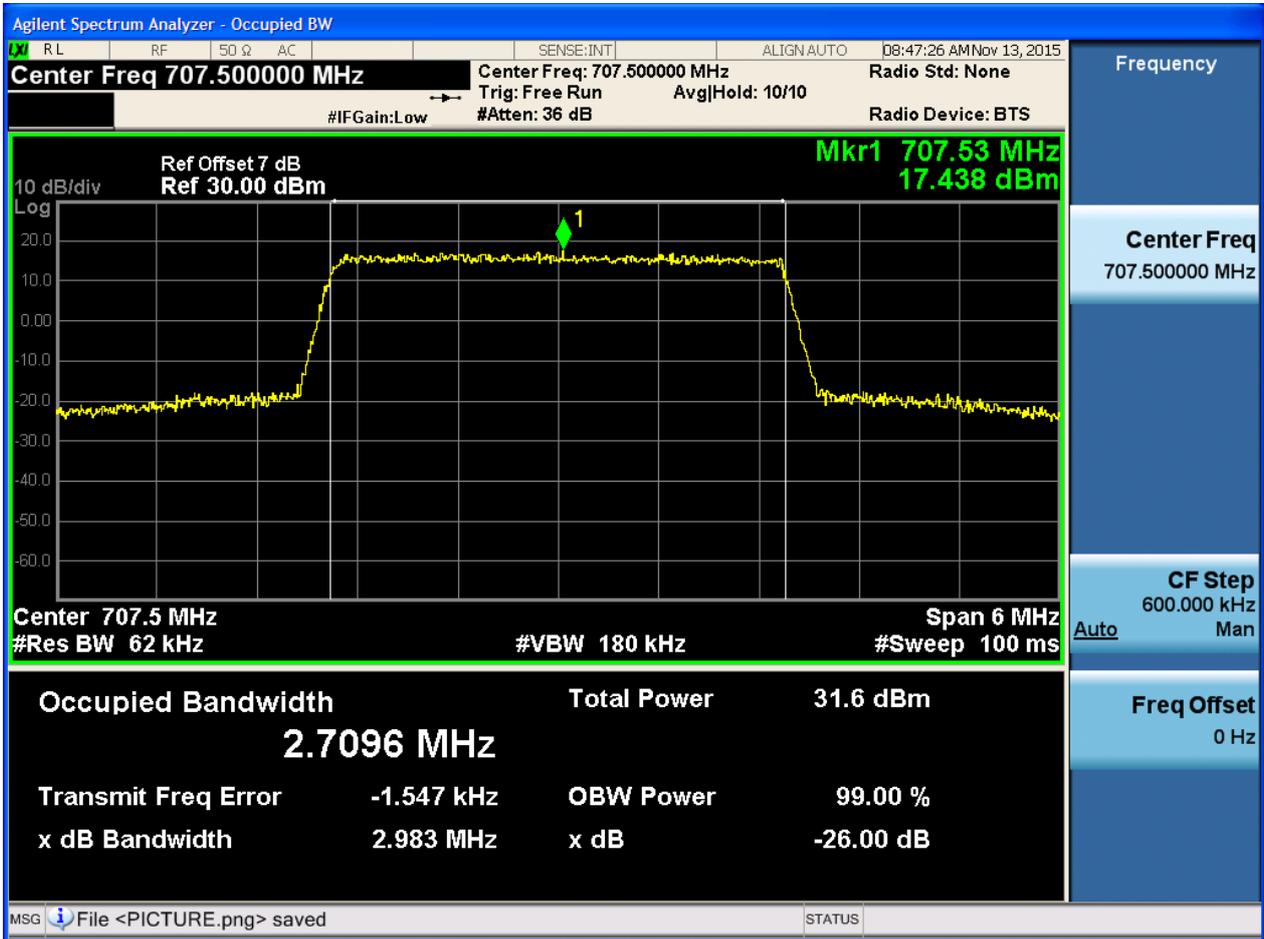
4.1.1.1.2.3 Test Channel = HCH

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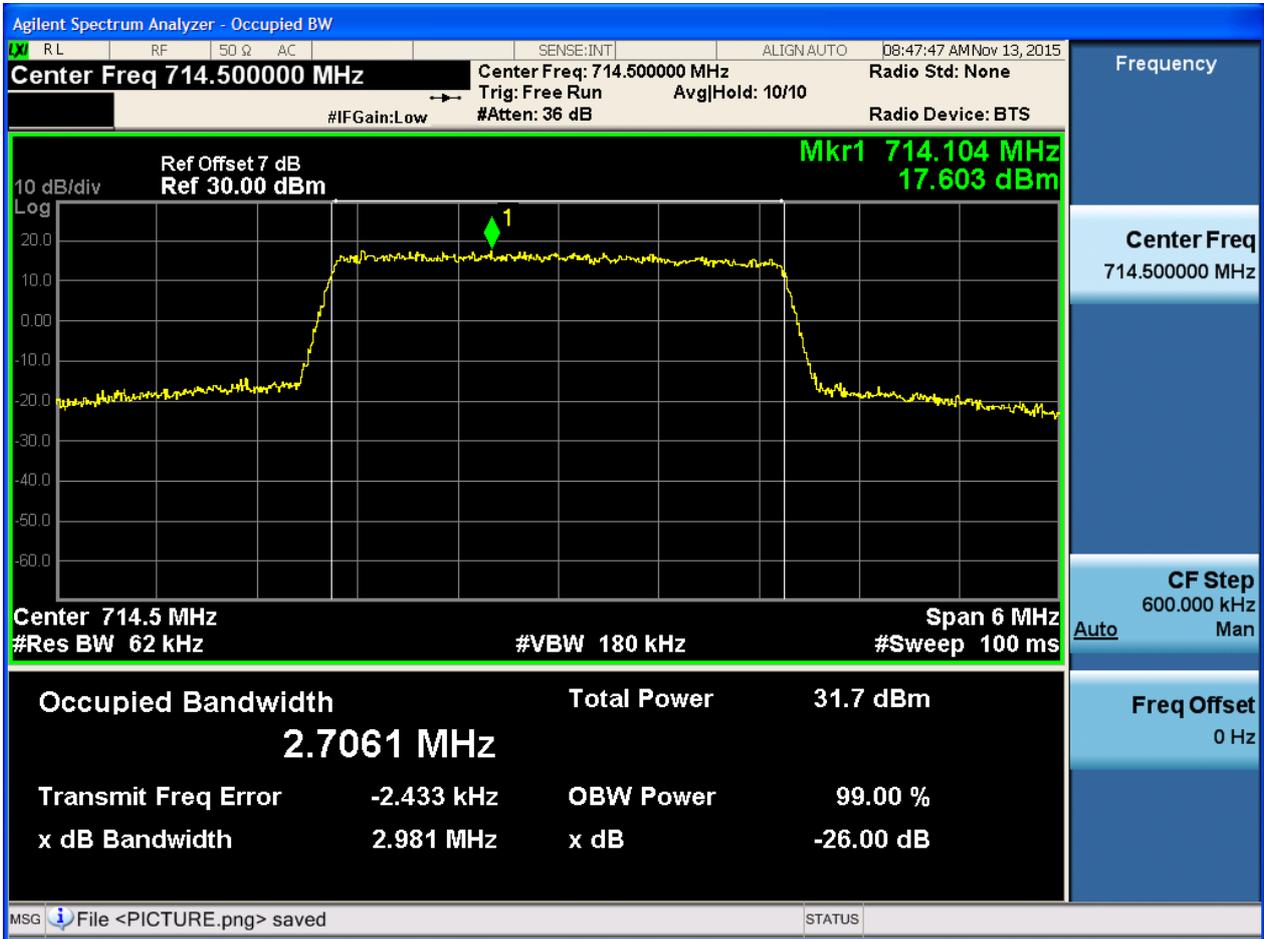
4.1.1.1.3 Test Bandwidth = 5

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
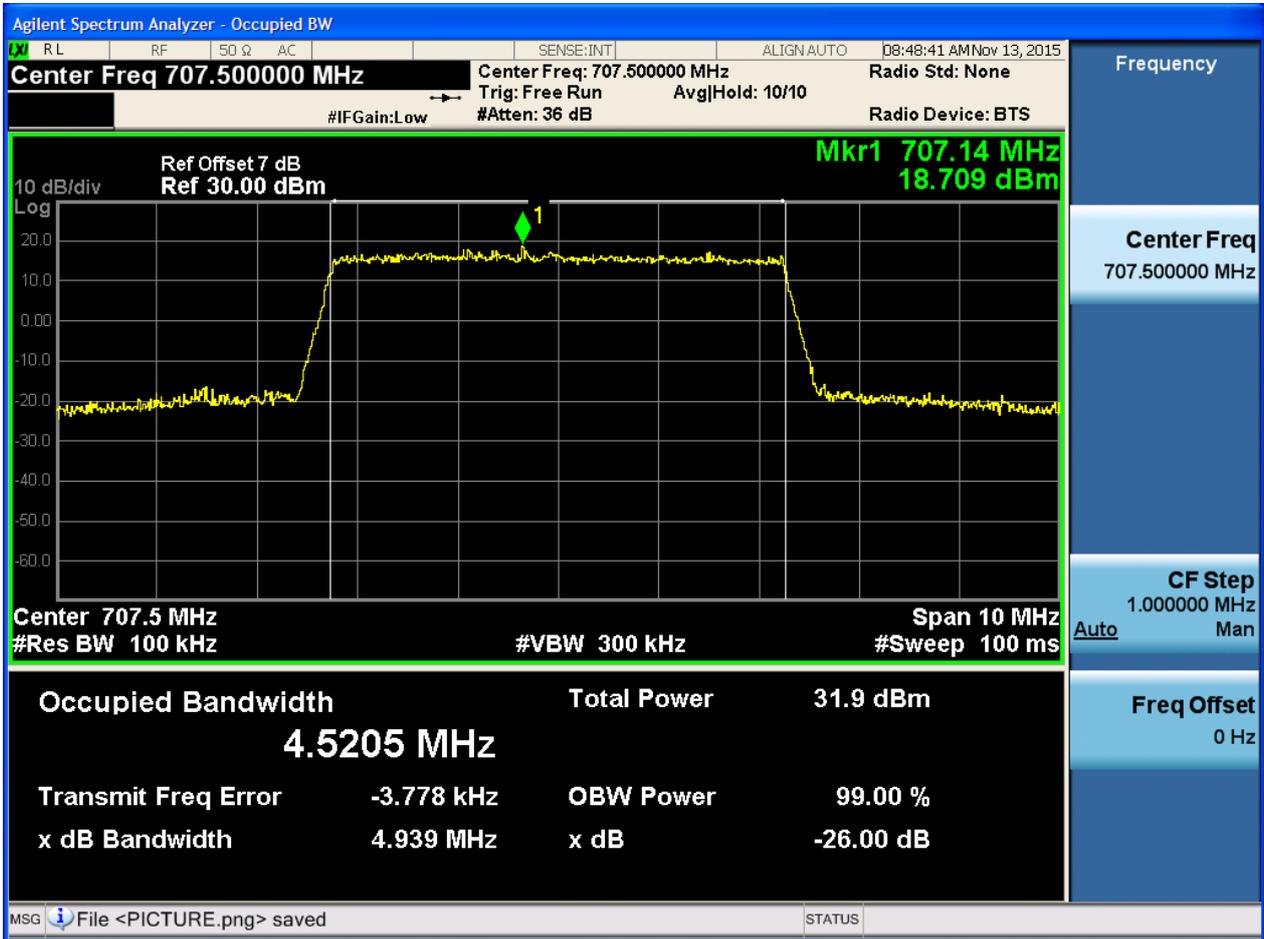
4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

Agilent Spectrum Analyzer - Occupied BW	

Center Freq 713.500000 MHz

Center Freq: 713.500000 MHz — Radio Std: None
Trig: Free Run — Avg|Hold: 10/10
#IFGain:Low — #Atten: 36 dB — Radio Device: BTS
SENSE:INT — ALIGN AUTO — 08:49:02 AM Nov 13, 2015

Frequency

Mkr1 712.46 MHz
18.052 dBm

Ref Offset 7 dB
10 dB/div — Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Center 713.5 MHz — Span 10 MHz
#Res BW 100 kHz — #VBW 300 kHz — #Sweep 100 ms

Center Freq
713.500000 MHz

CF Step
1.000000 MHz
Auto — Man

Occupied Bandwidth
4.5032 MHz

Total Power — 32.0 dBm

Transmit Freq Error — -12.141 kHz — OBW Power — 99.00 %
x dB Bandwidth — 4.944 MHz — x dB — -26.00 dB

Freq Offset
0 Hz

MSG File <PICTURE.png> saved — STATUS

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
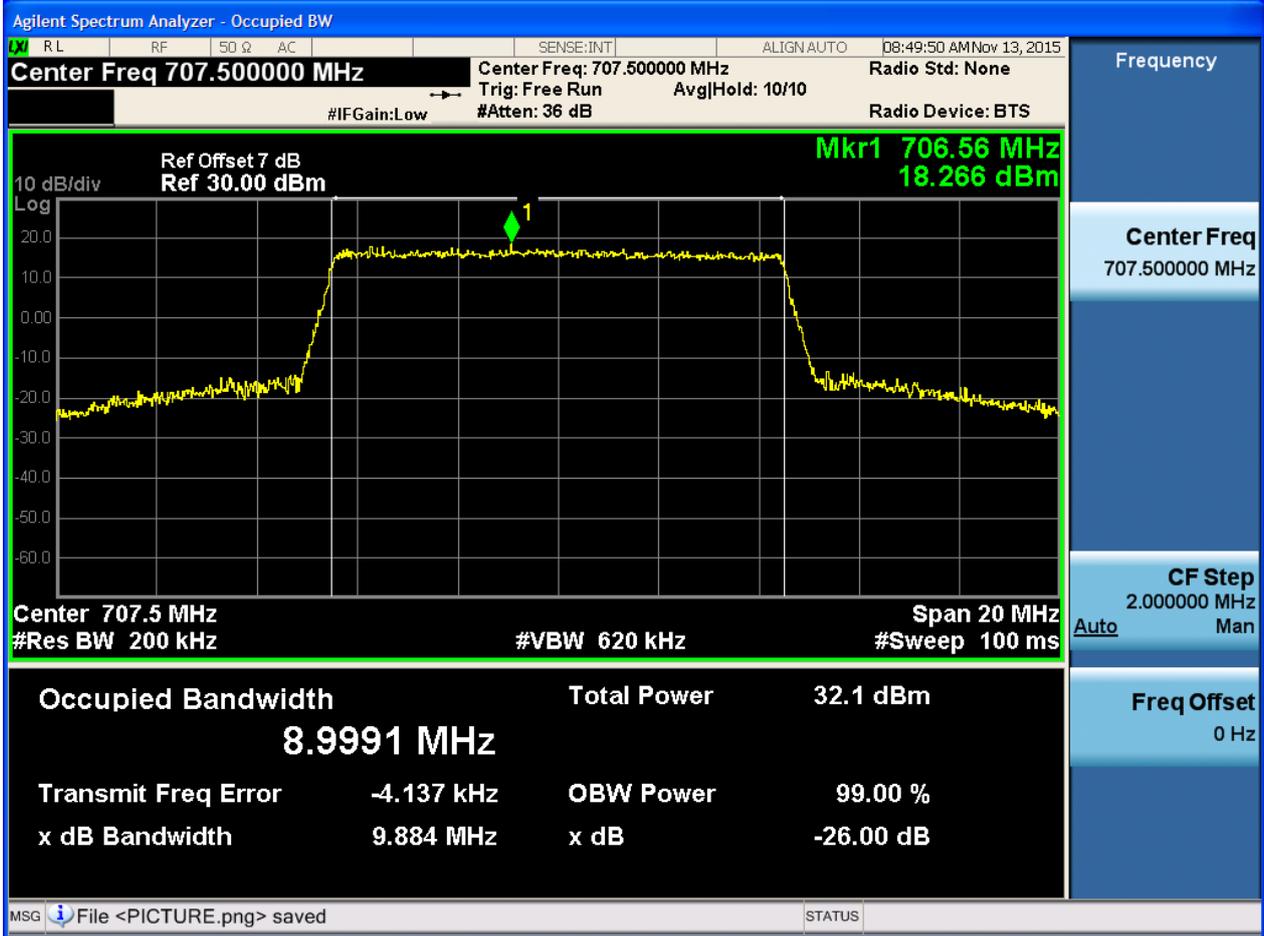
4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

4.1.1.2 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
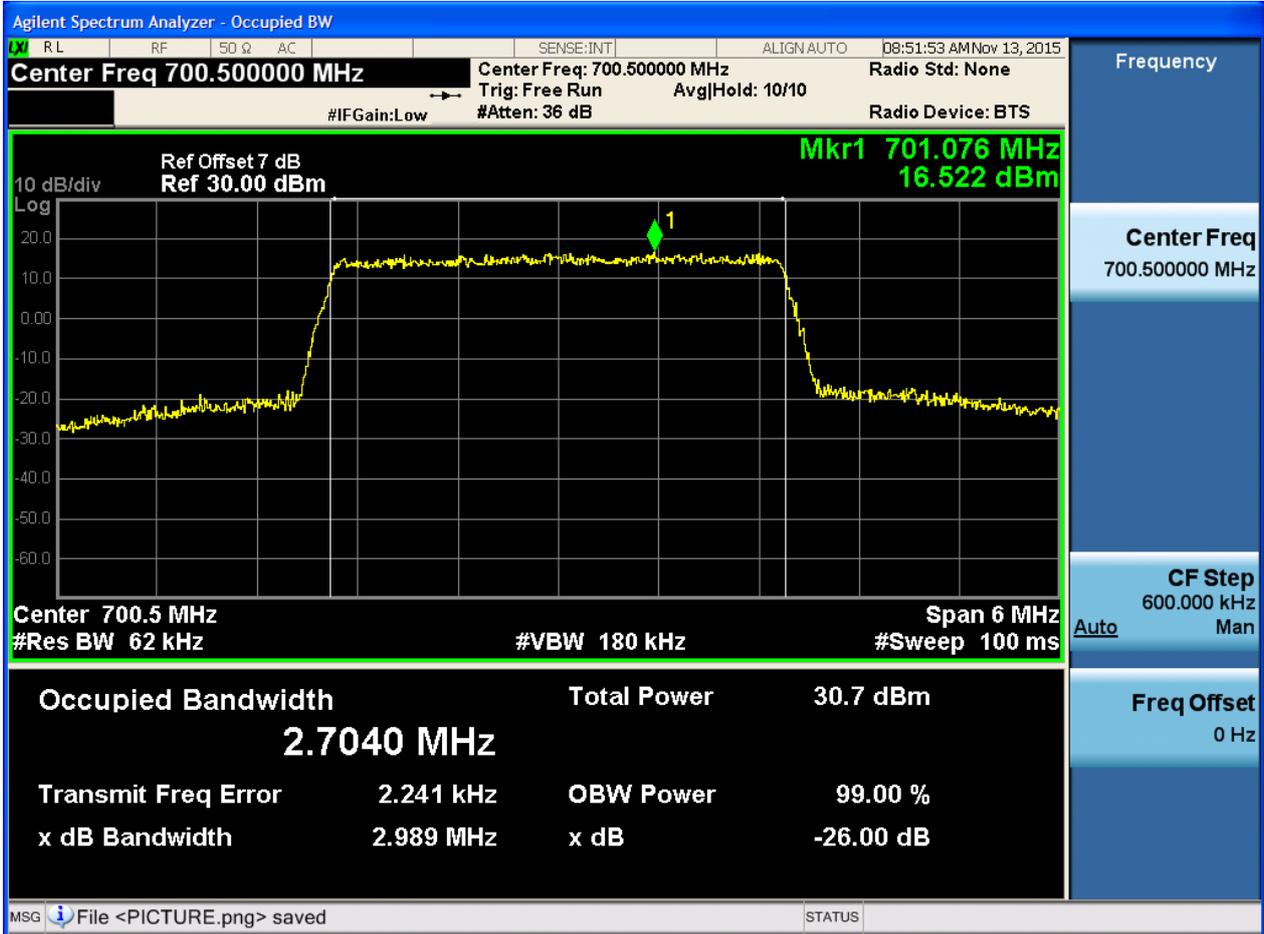
4.1.1.2.2.2 Test Channel = MCH

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
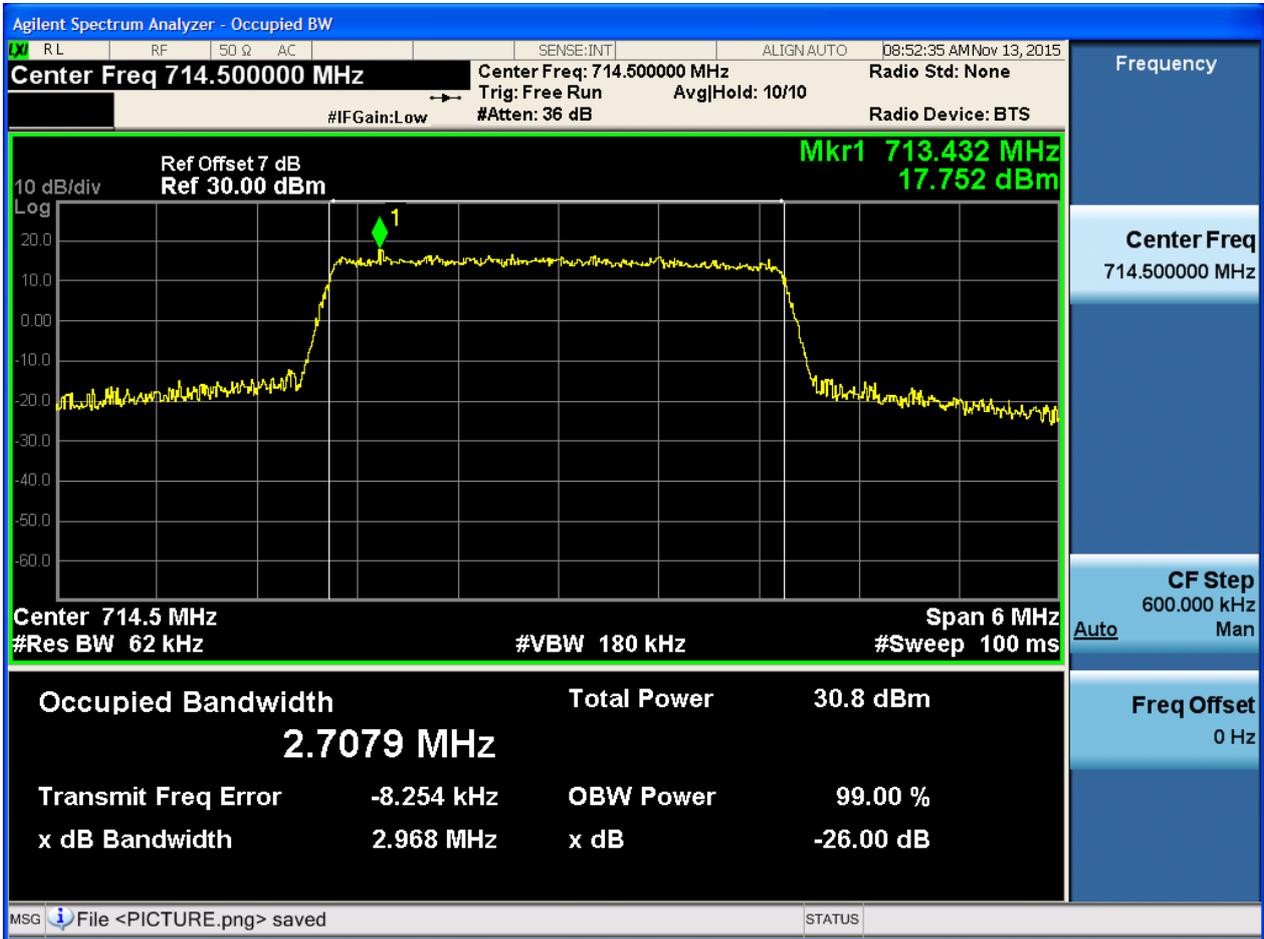
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

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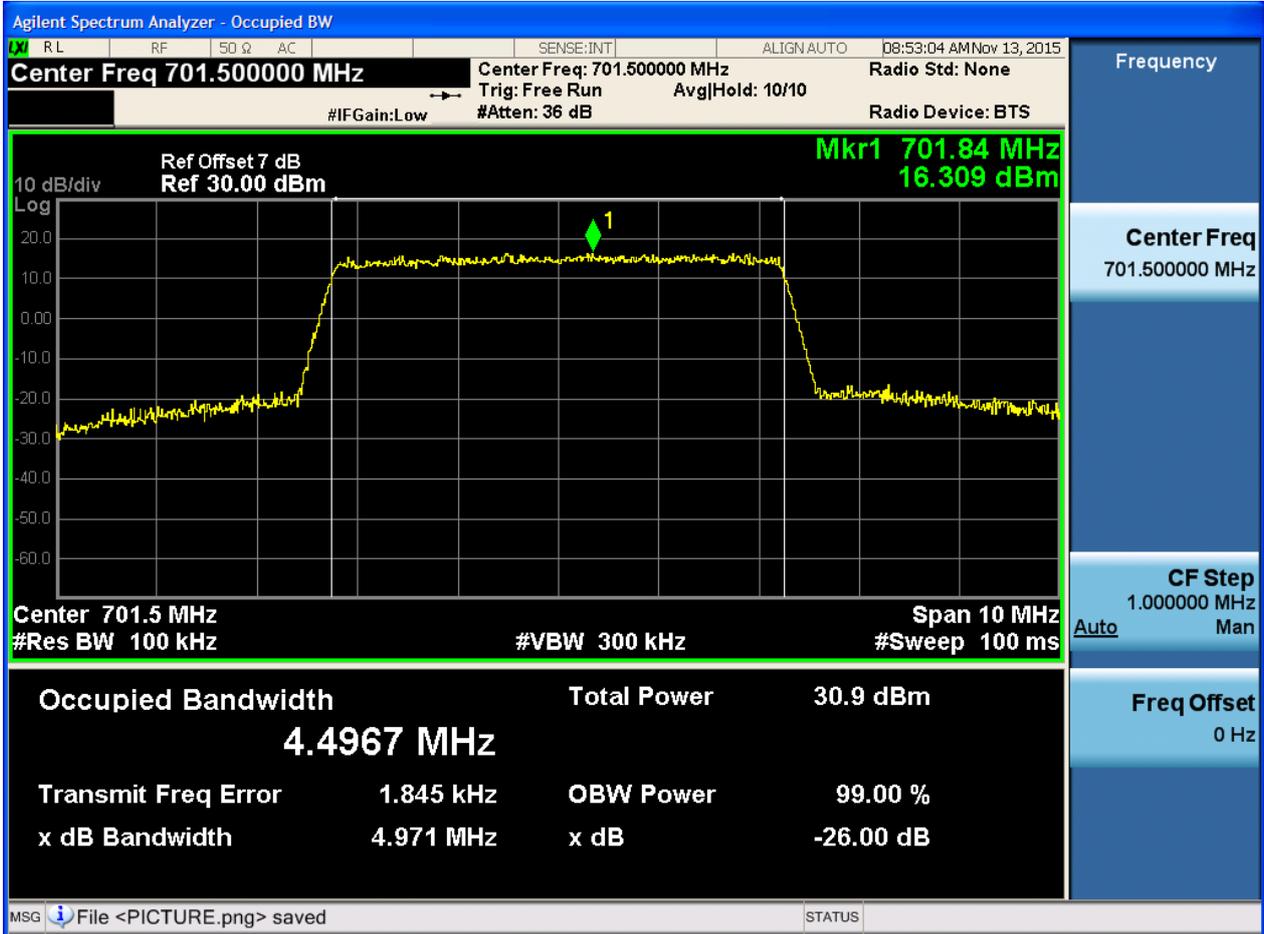
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

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Copyright © Huawei Technologies Co., Ltd.
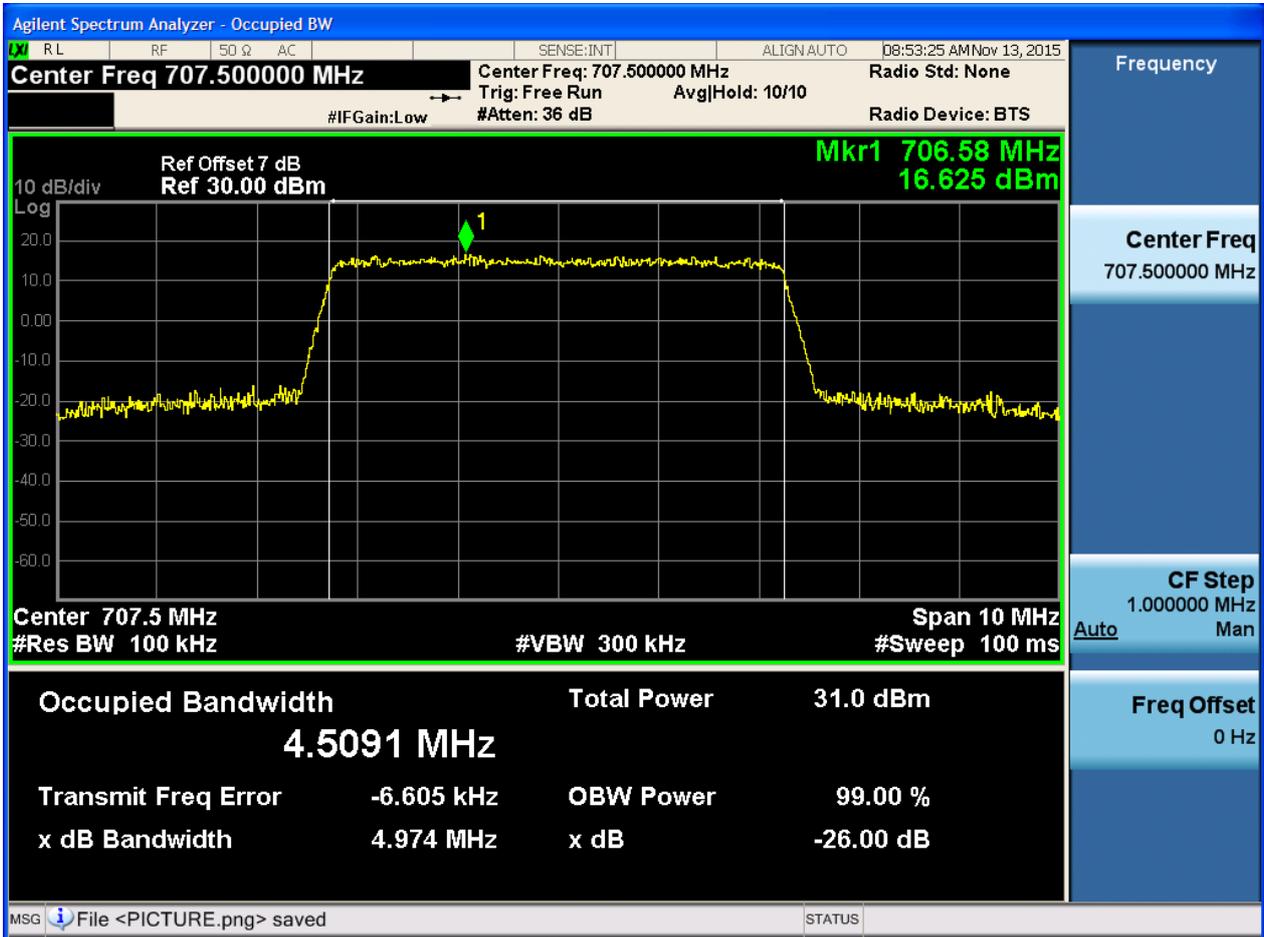
4.1.1.2.3.3 Test Channel = HCH

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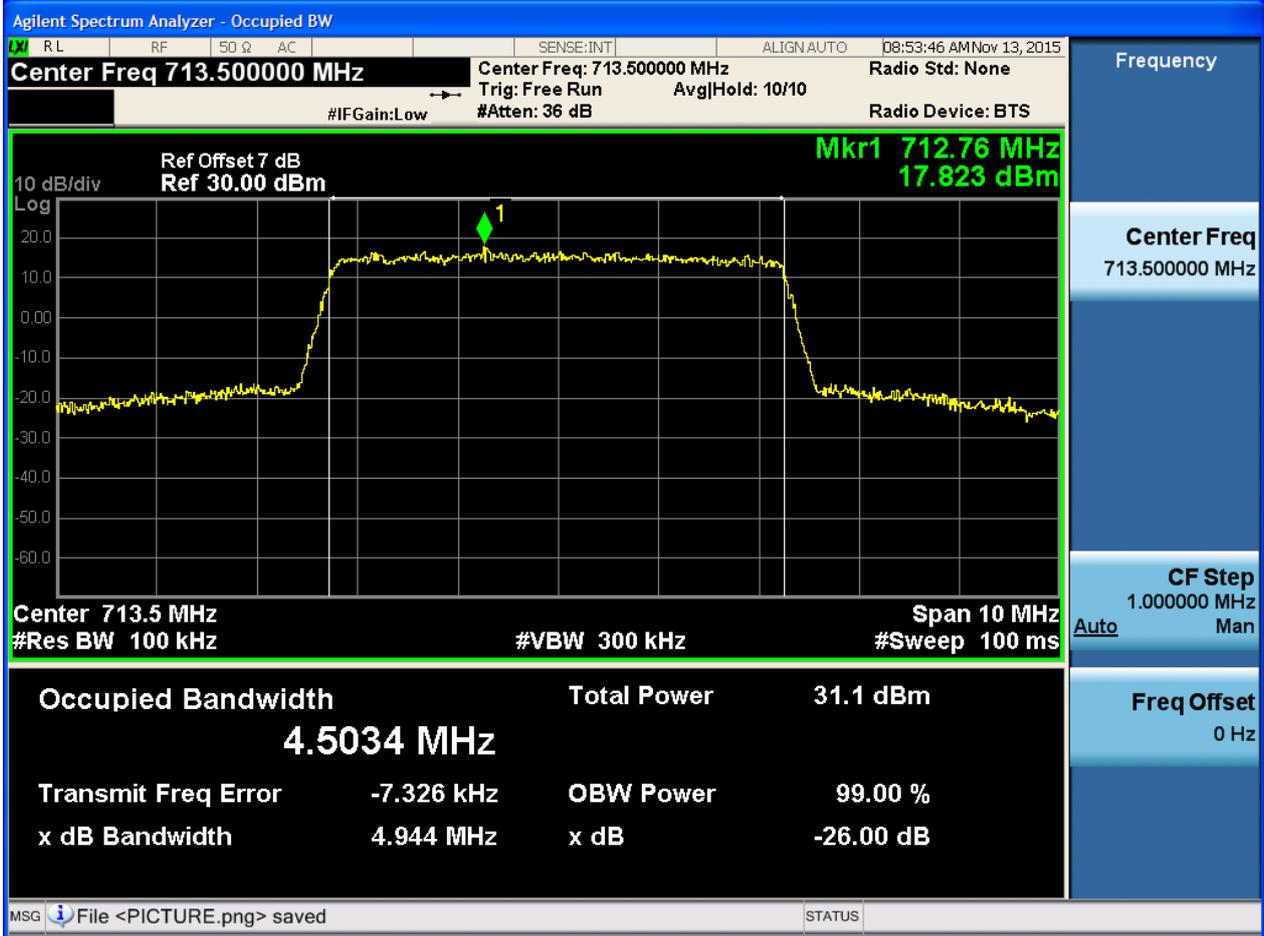
4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0
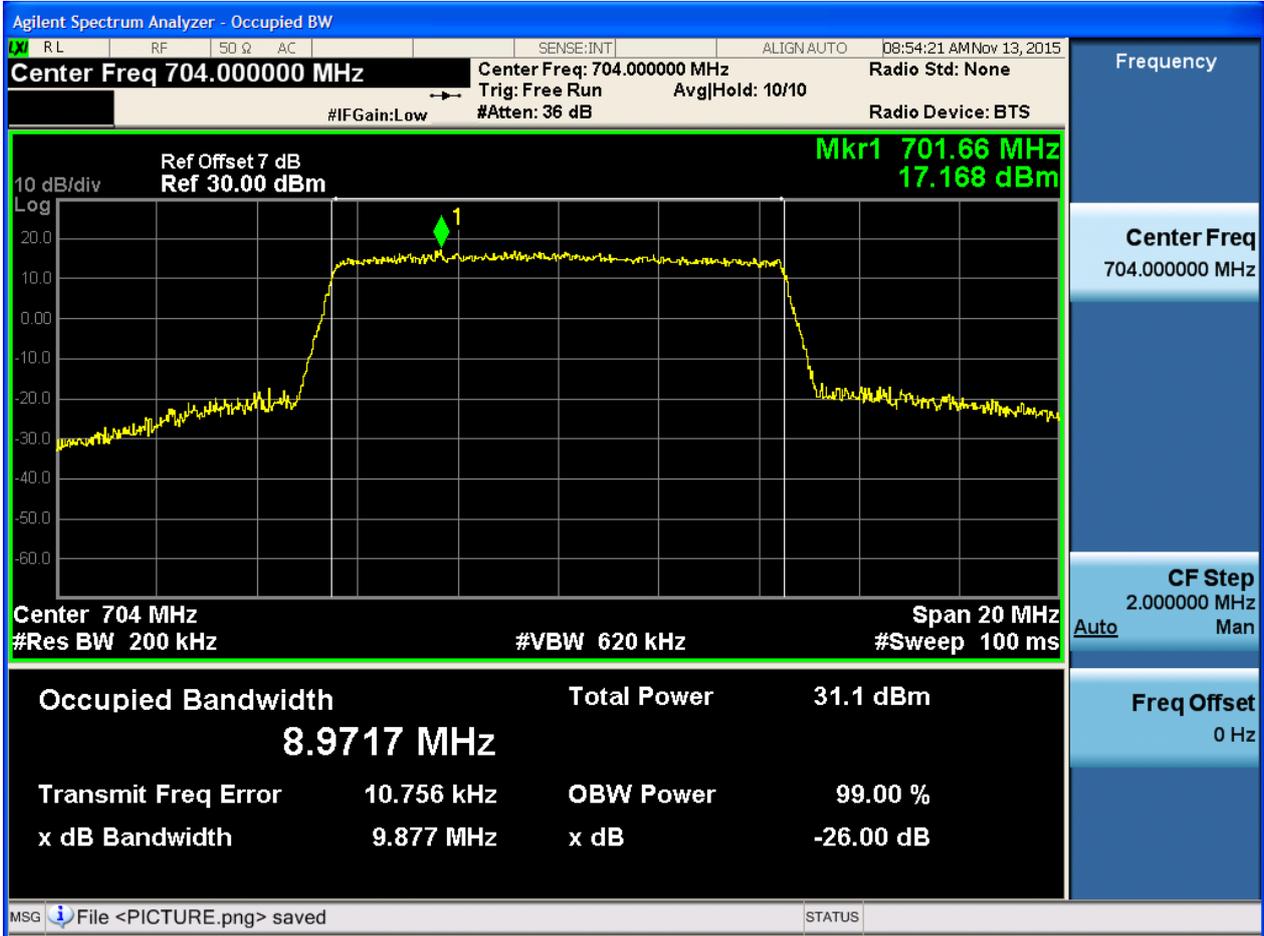
4.1.1.2.4.2 Test Channel = MCH

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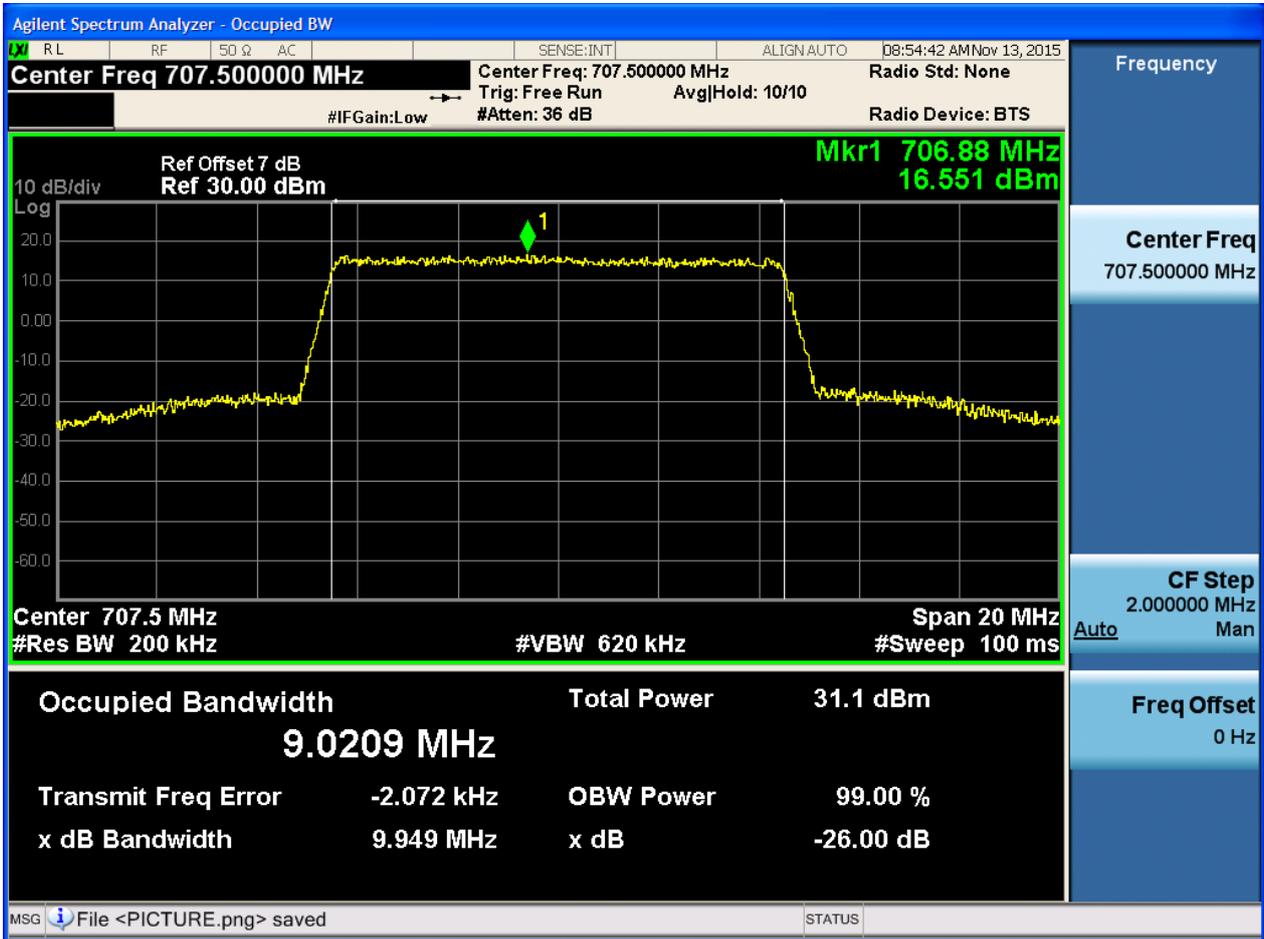
4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

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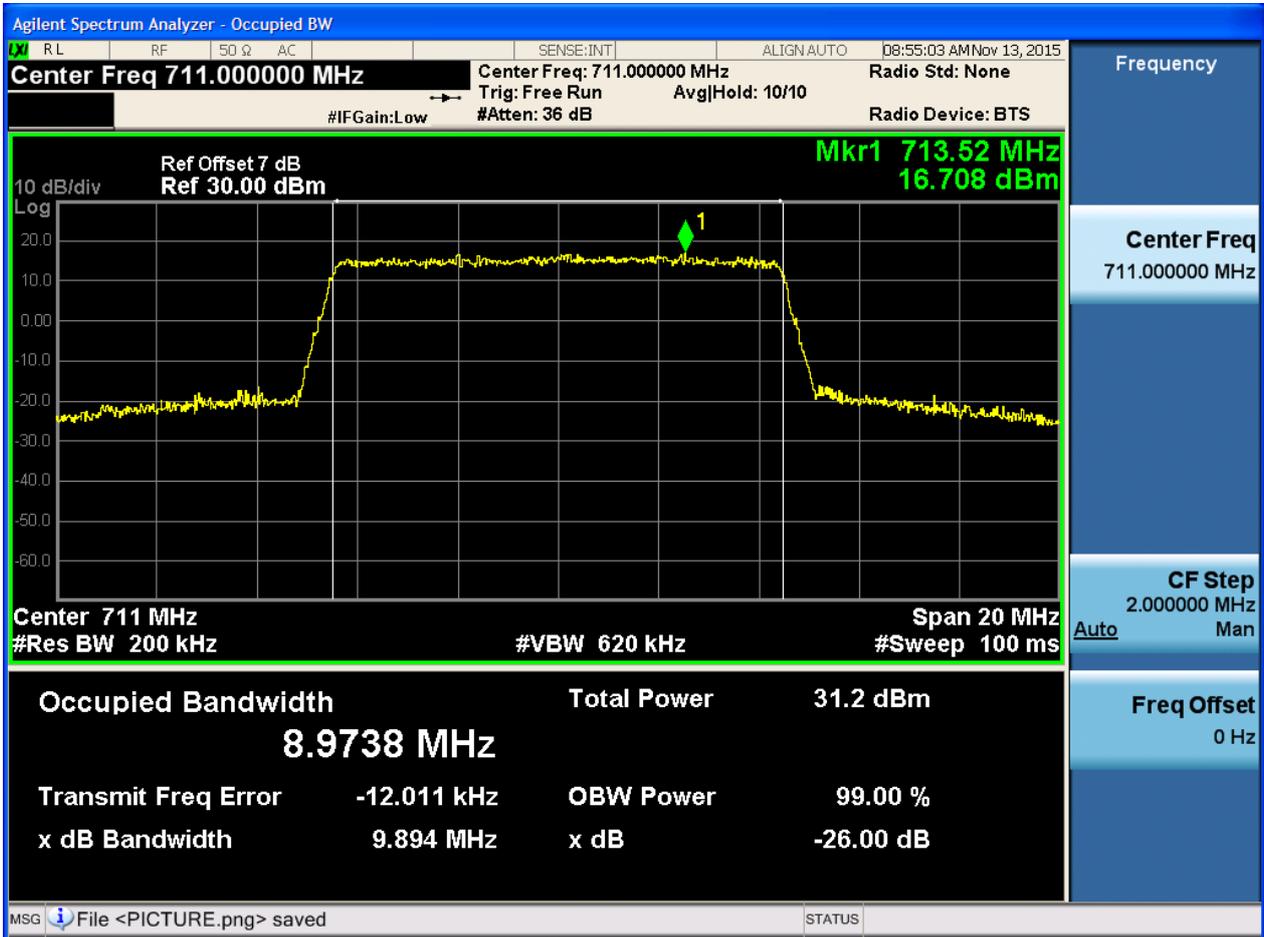
5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

5.1.1 Test Band = BAND12

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
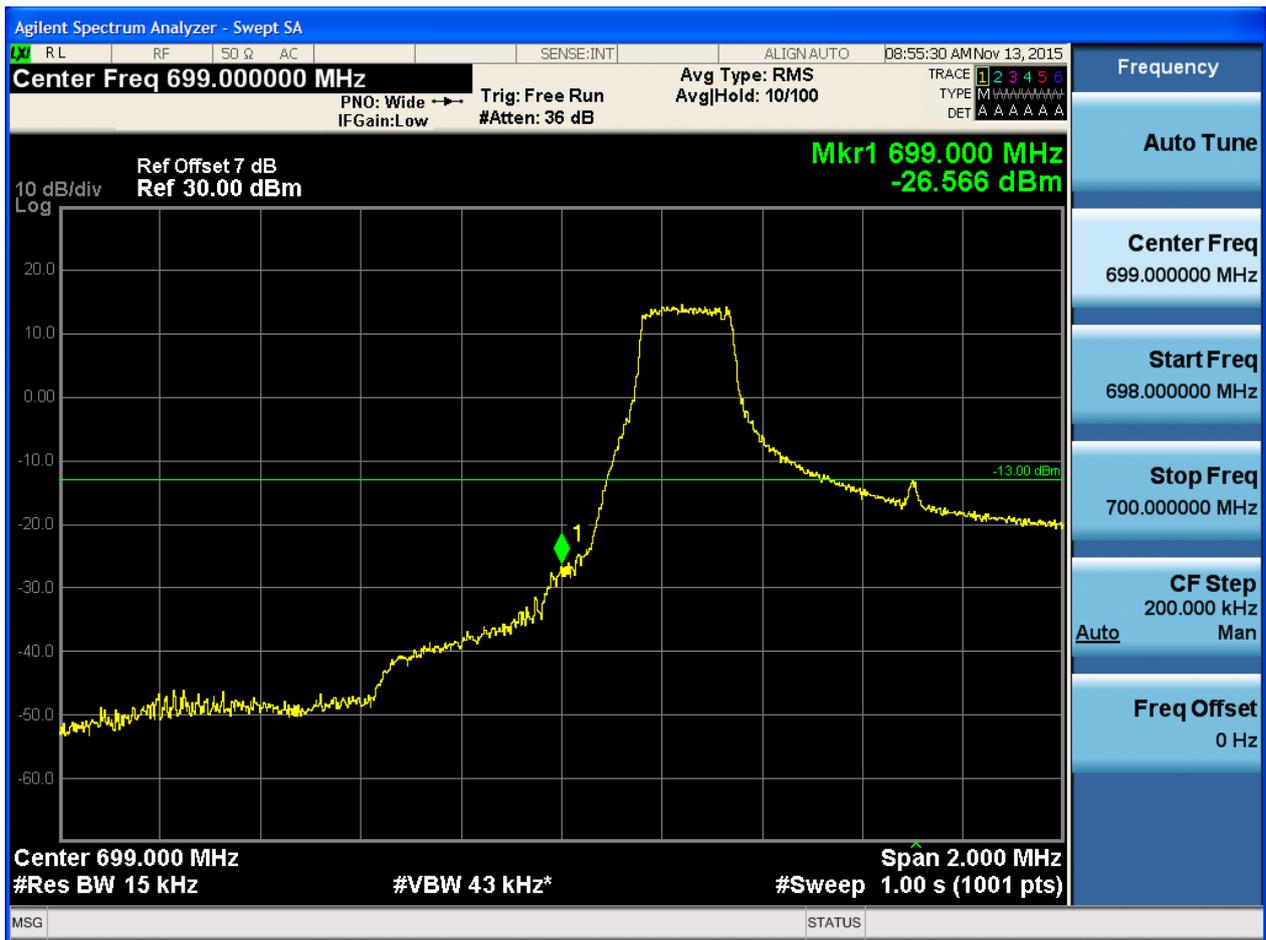
5.1.1.1.1.2 Test RB = RB1#5

5.1.1.1.1.3 Test RB = RB3#2

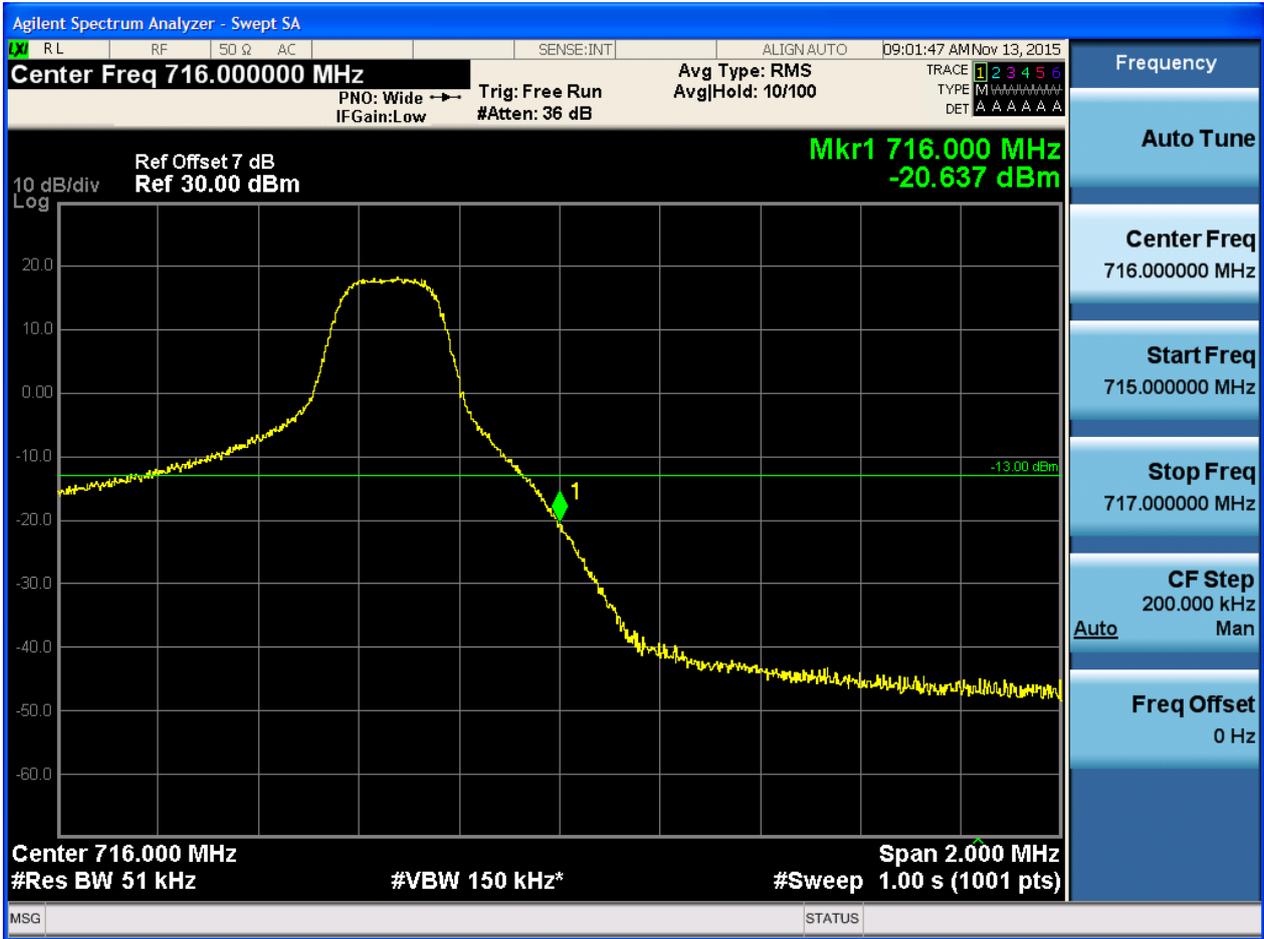## 5.1.1.1.1.1.4 Test RB = RB6#0

5.1.1.1.1.2 Test Channel = HCH

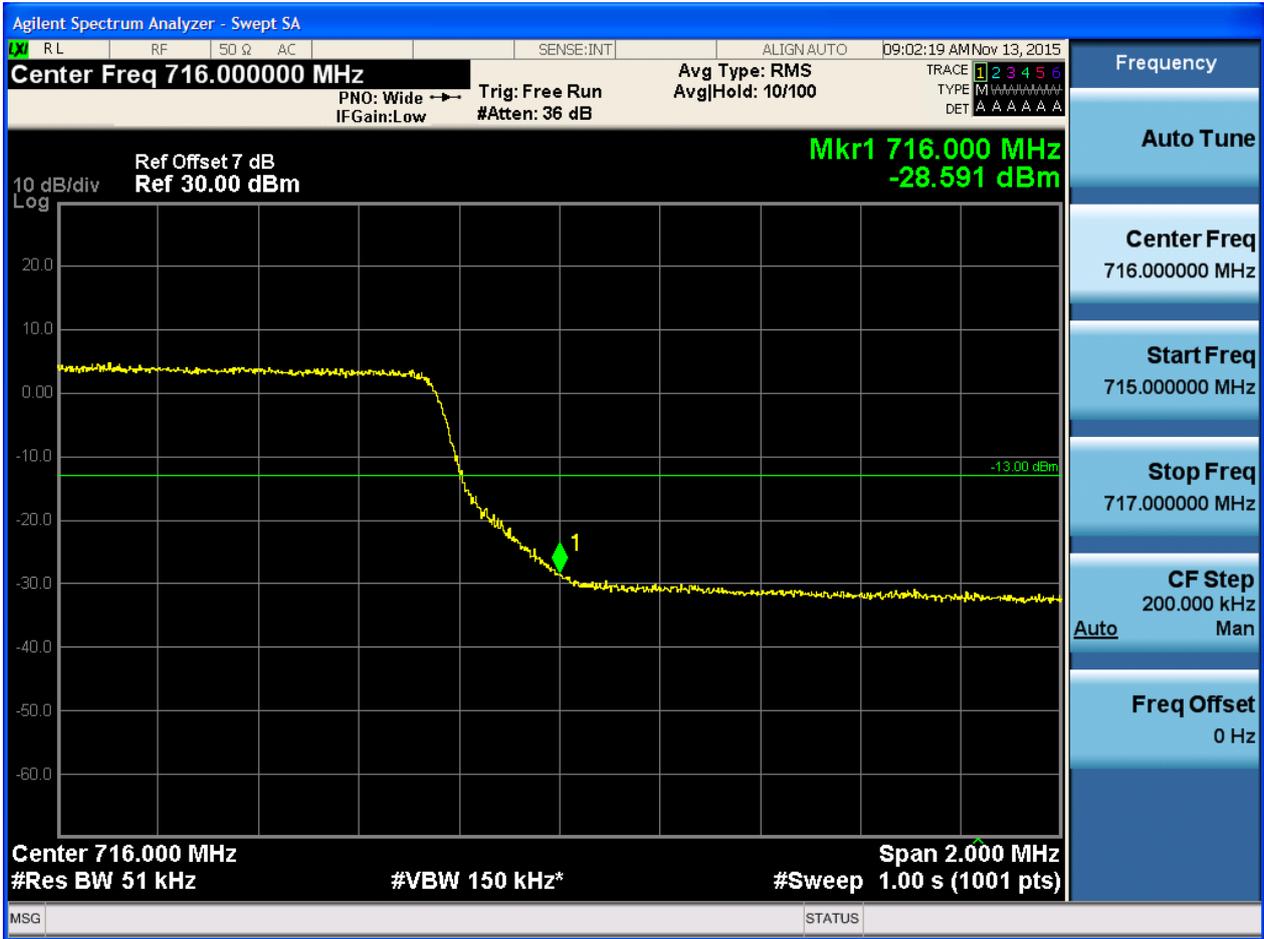### 5.1.1.1.1.2.1 Test RB = RB1#0

5.1.1.1.1.2.2 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
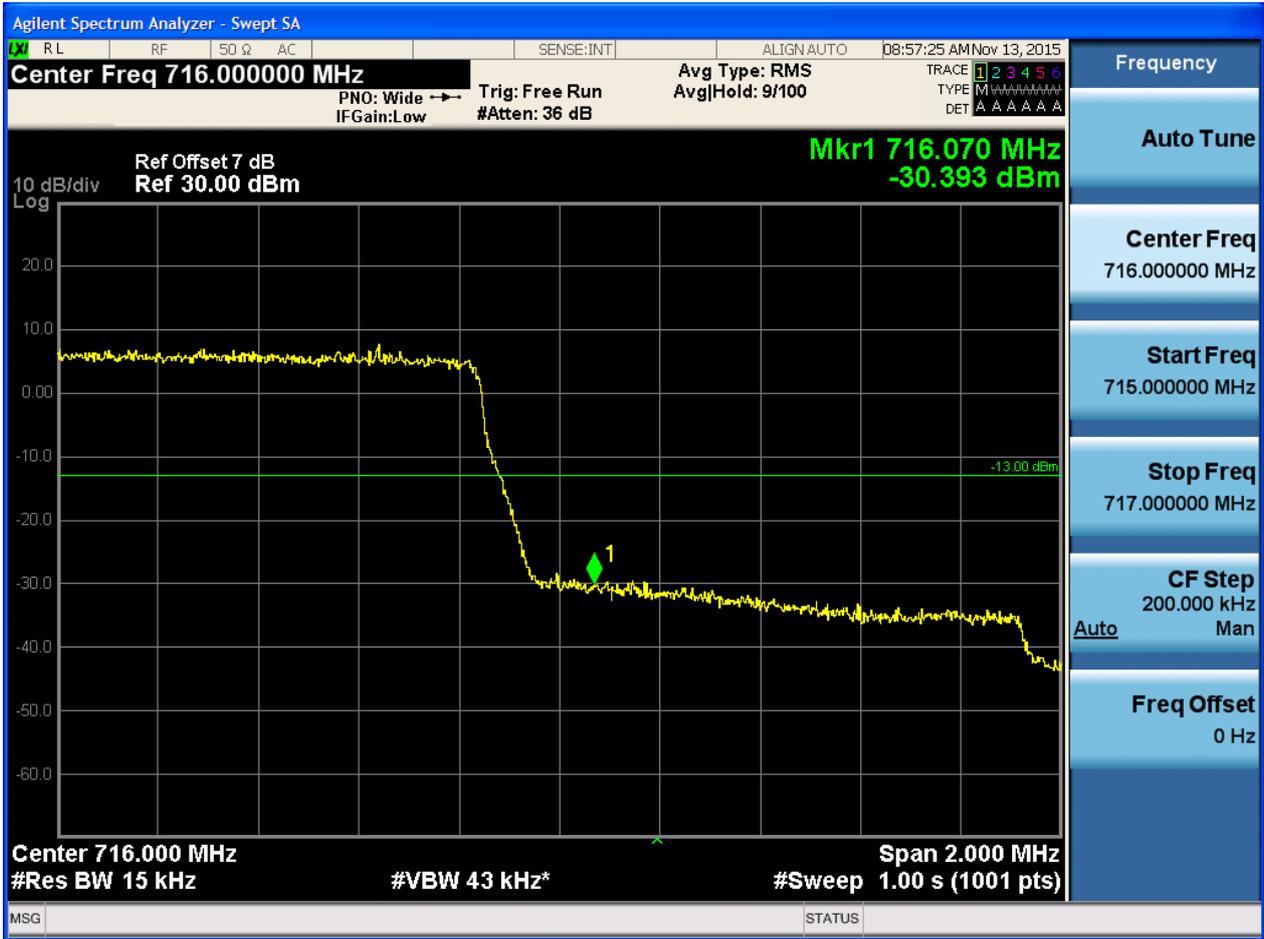
5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0
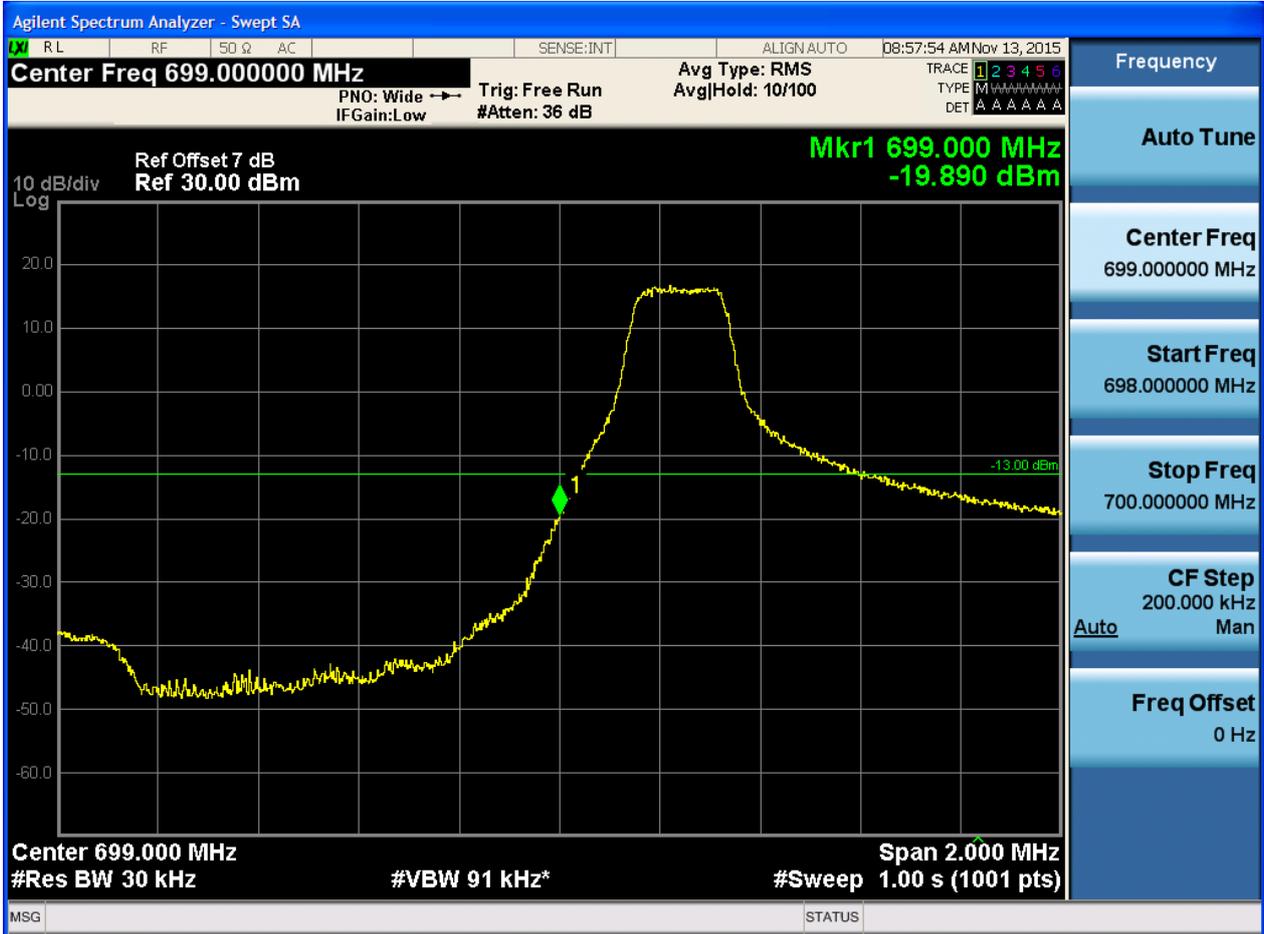
5.1.1.1.2.1.2 Test RB = RB1#14

5.1.1.1.2.1.3 Test RB = RB8#4

Agilent Spectrum Analyzer - Swept SA

Center Freq 699.000000 MHz

SENSE:INT   ALIGN AUTO   08:58:26 AM Nov 13, 2015

Avg Type: RMS
Avg|Hold: 10/100

Trig: Free Run
#Atten: 36 dB

PNO: Wide
IFGain:Low

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

Ref Offset 7 dB
Ref 30.00 dBm
10 dB/div
Log

Mkr1 699.000 MHz
-31.893 dBm

-13.00 dBm

Center 699.000 MHz
#Res BW 30 kHz

#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG   STATUS

Frequency

Auto Tune

Center Freq
699.000000 MHz

Start Freq
698.000000 MHz

Stop Freq
700.000000 MHz

CF Step
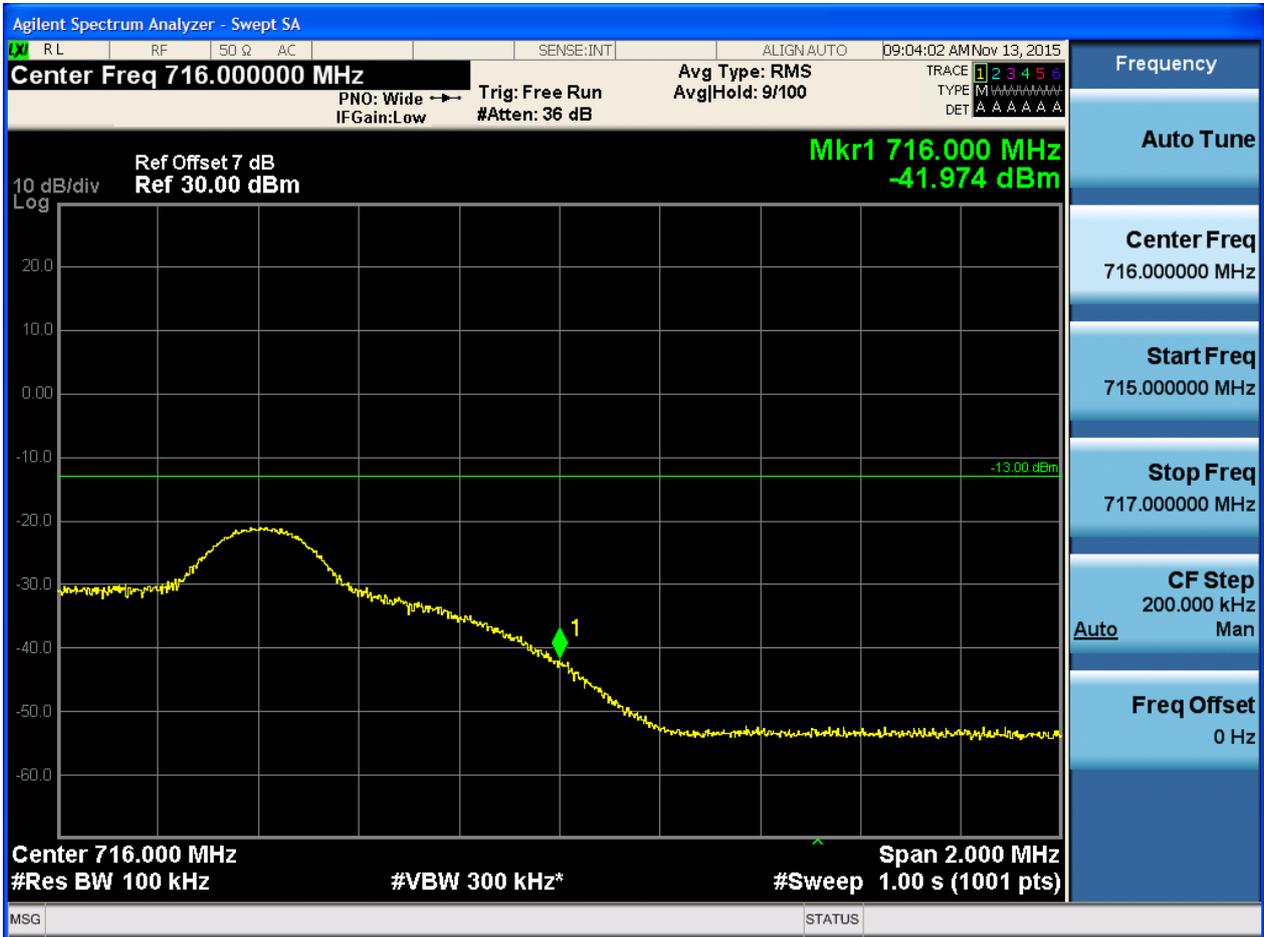200.000 kHz
Auto   Man

Freq Offset
0 Hz

5.1.1.1.2.1.4 Test RB = RB15#0
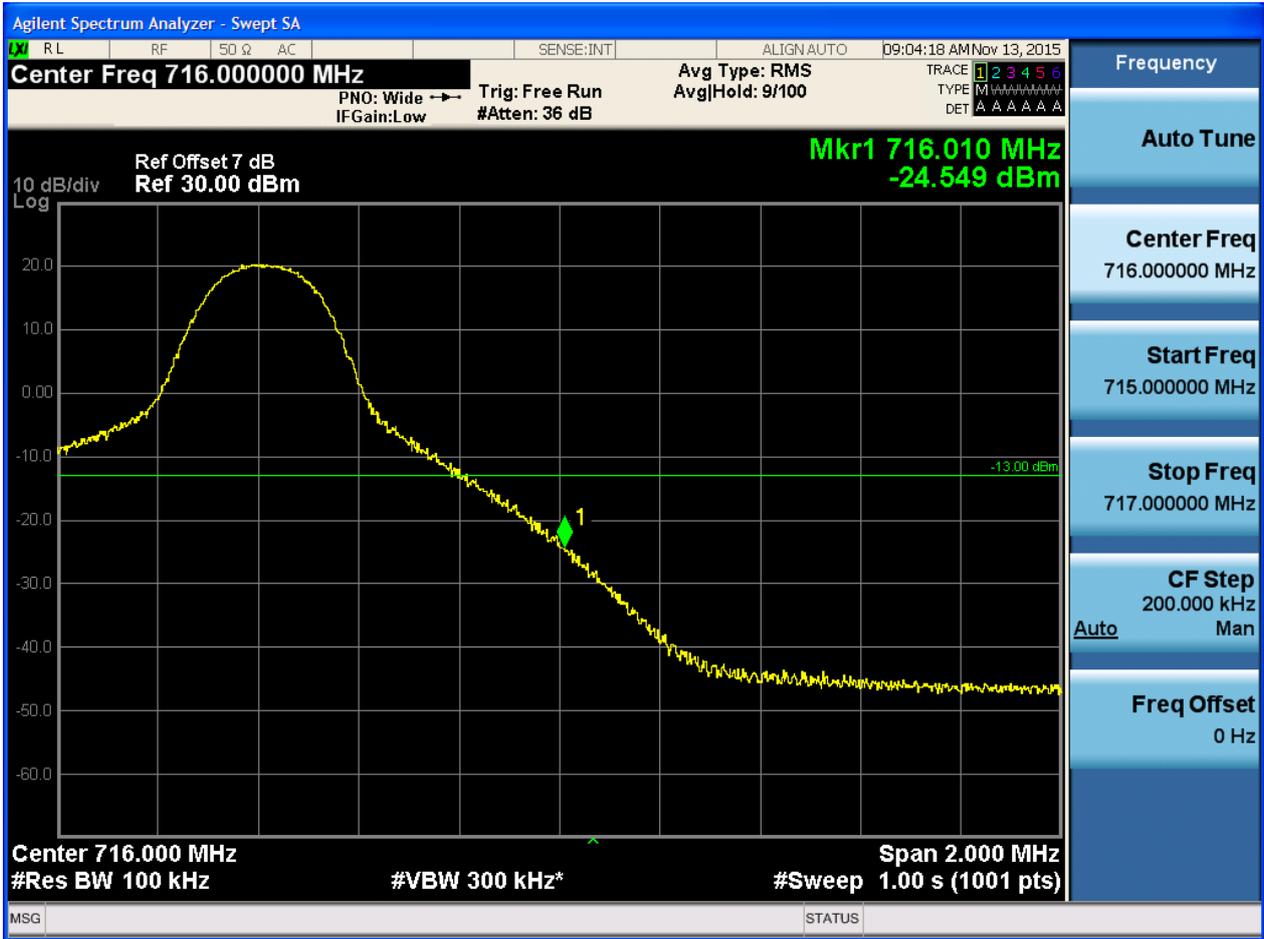
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0

5.1.1.1.2.2.2 Test RB = RB1#14
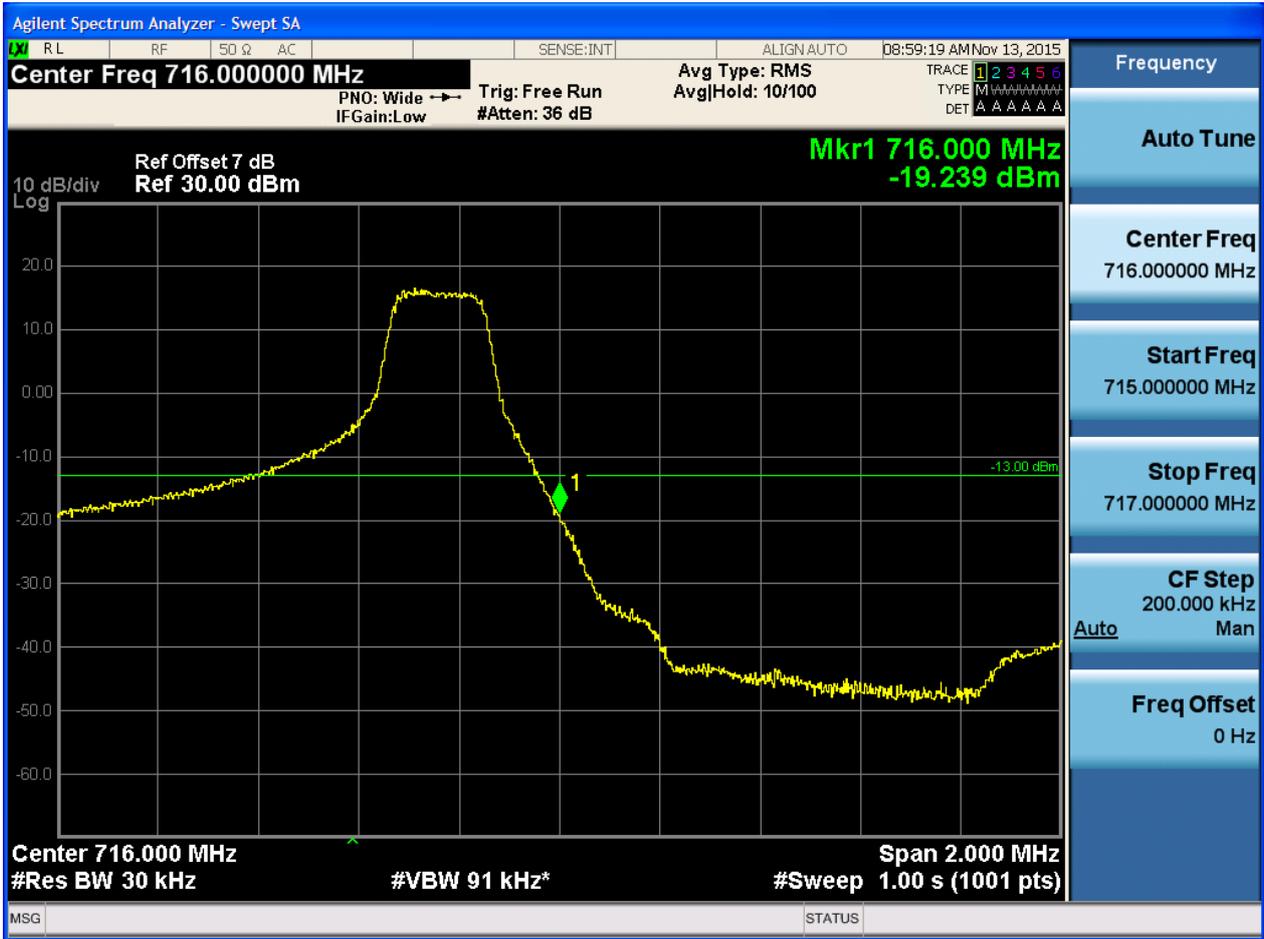
5.1.1.1.2.2.3 Test RB = RB8#4

5.1.1.1.2.2.4 Test RB = RB15#0
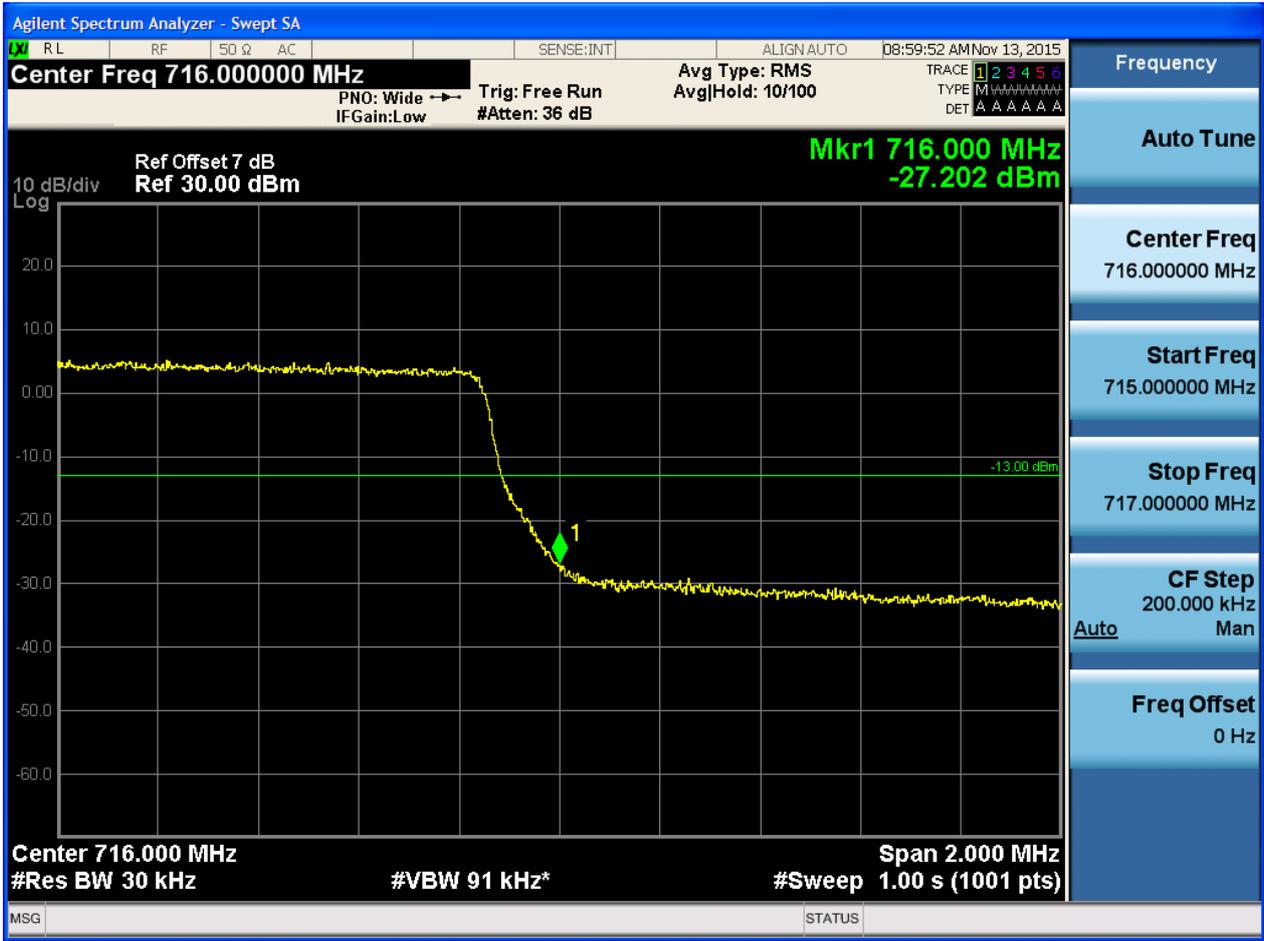
5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0
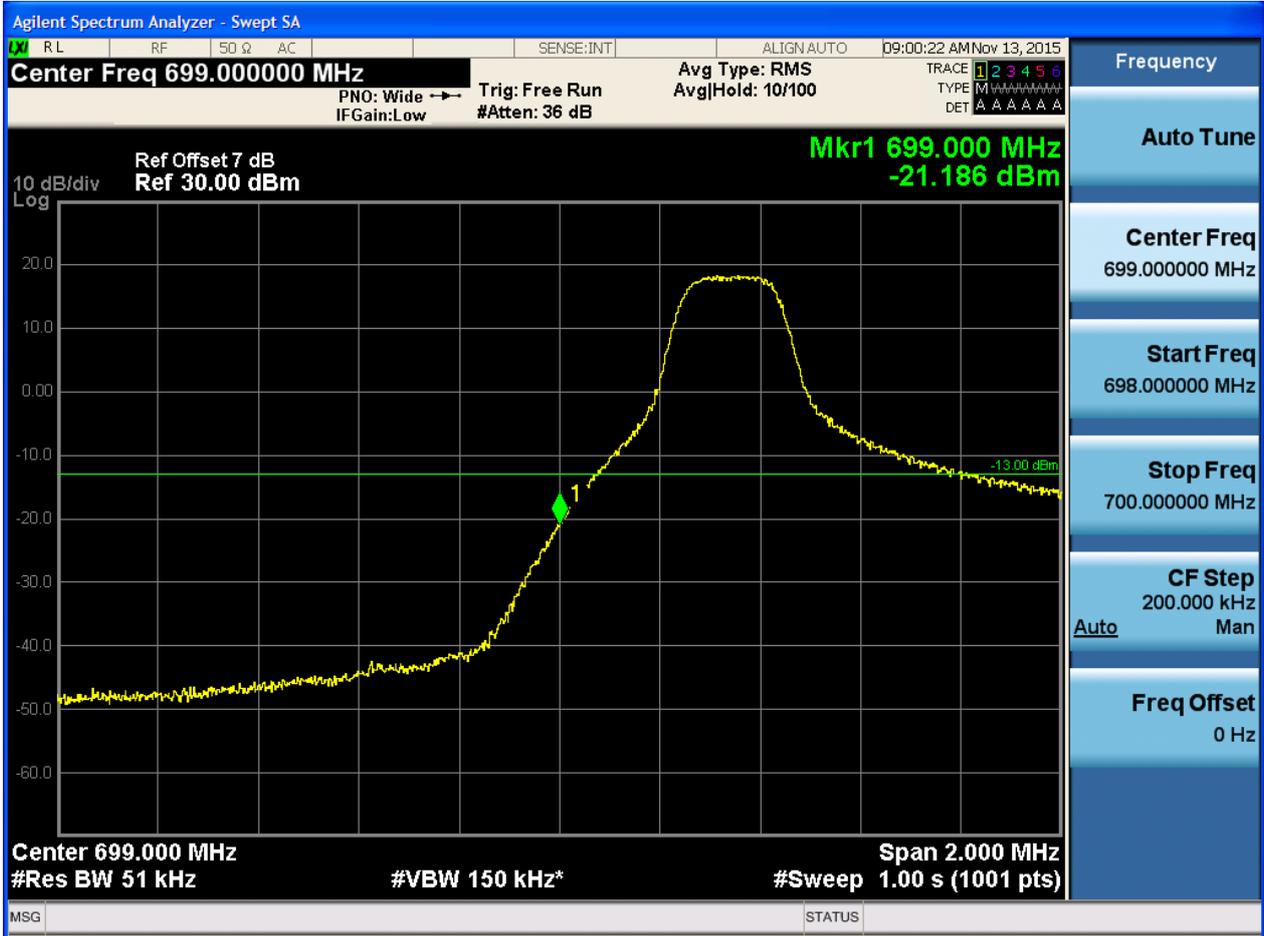
5.1.1.1.3.1.2 Test RB = RB1#24

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

5.1.1.1.3.2.2 Test RB = RB1#24

5.1.1.1.3.2.3 Test RB = RB12#6
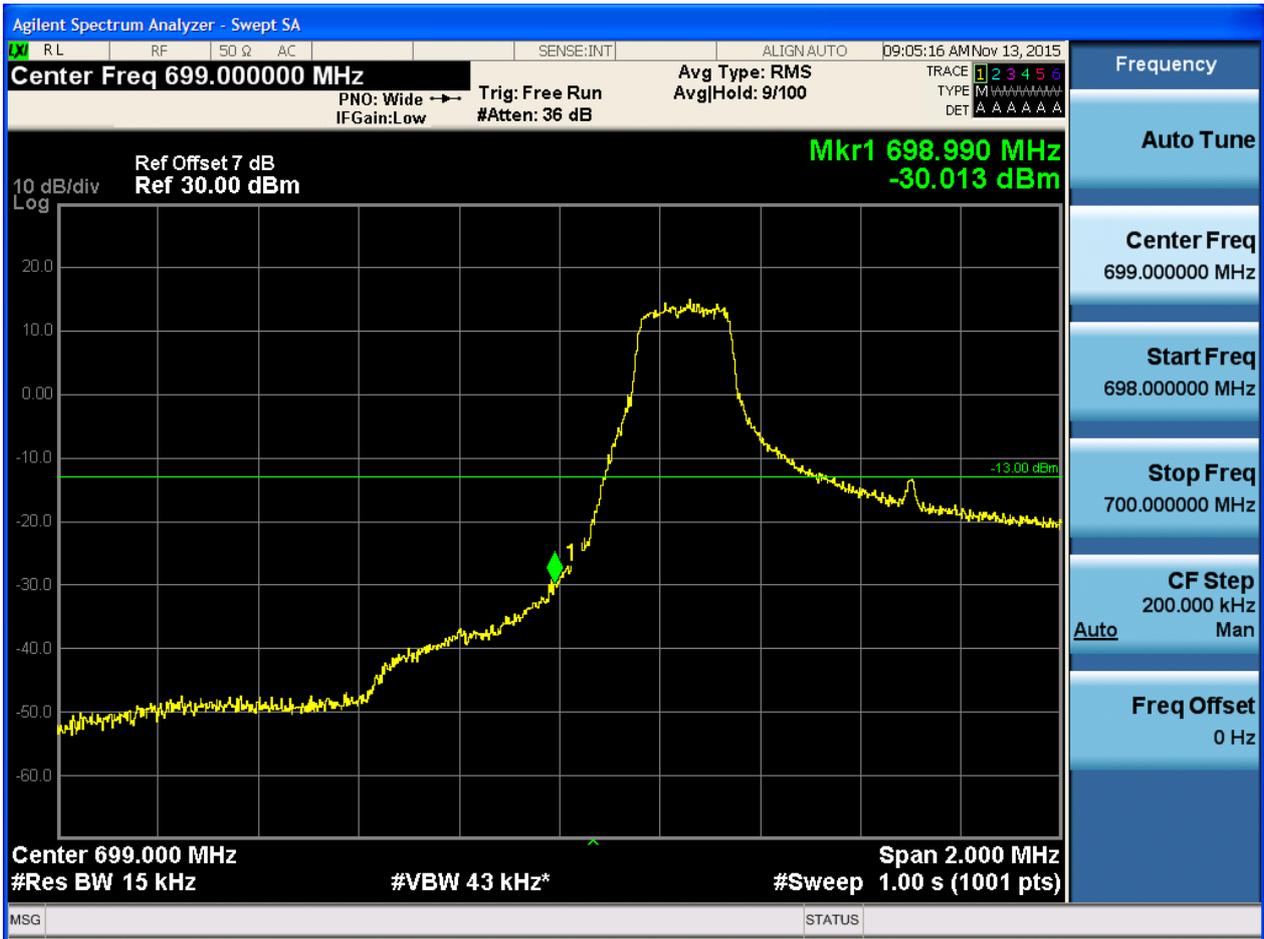
5.1.1.1.3.2.4 Test RB = RB25#0

5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0

5.1.1.1.4.1.2 Test RB = RB1#49

5.1.1.1.4.1.3 Test RB = RB25#13
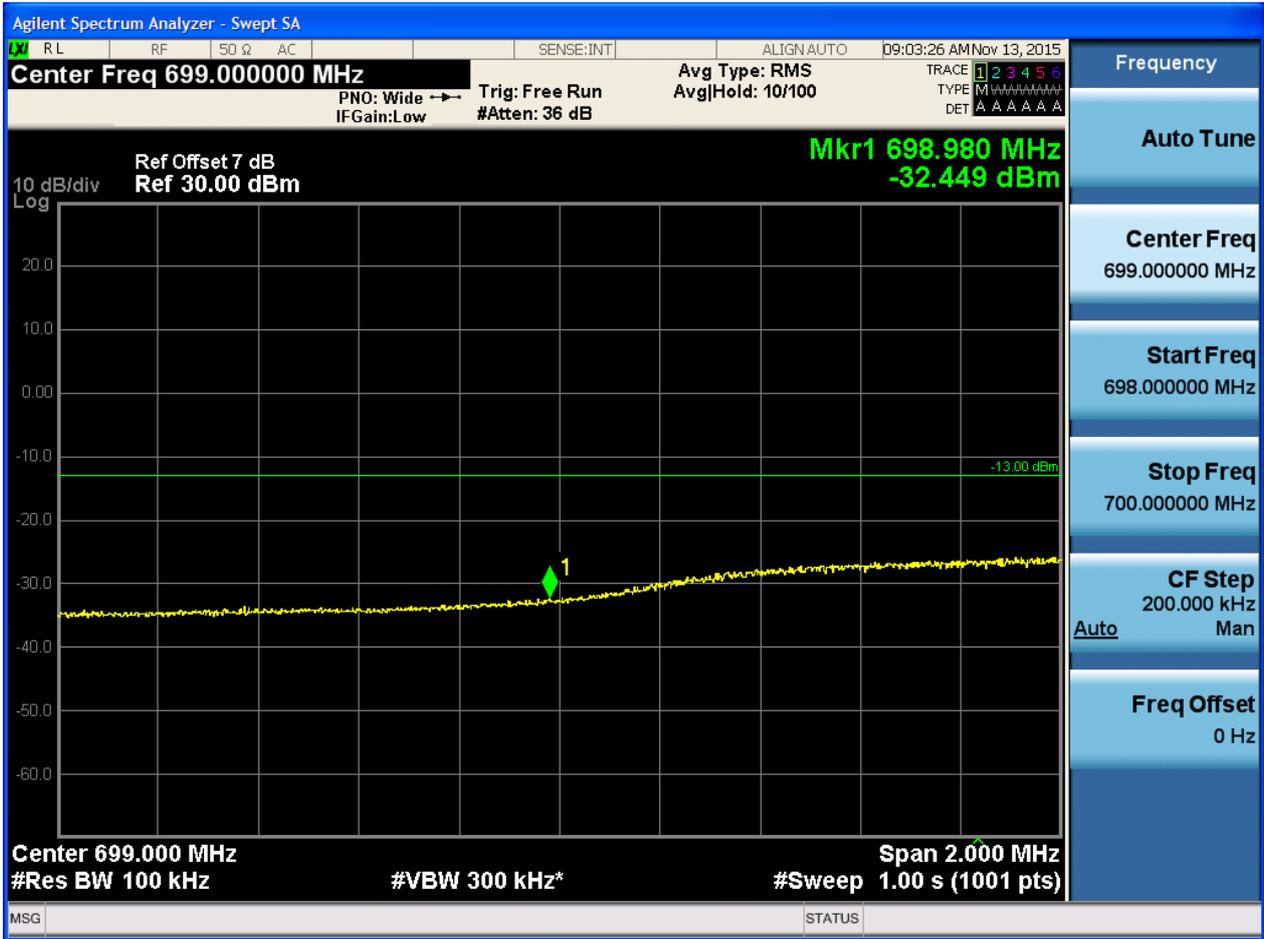
5.1.1.1.4.1.4 Test RB = RB50#0

5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0

5.1.1.1.4.2.2 Test RB = RB1#49

5.1.1.1.4.2.3 Test RB = RB25#13

5.1.1.1.4.2.4 Test RB = RB50#0

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## 5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0

5.1.1.2.1.1.2 Test RB = RB1#5

5.1.1.2.1.1.3 Test RB = RB3#2

5.1.1.2.1.1.4 Test RB = RB6#0

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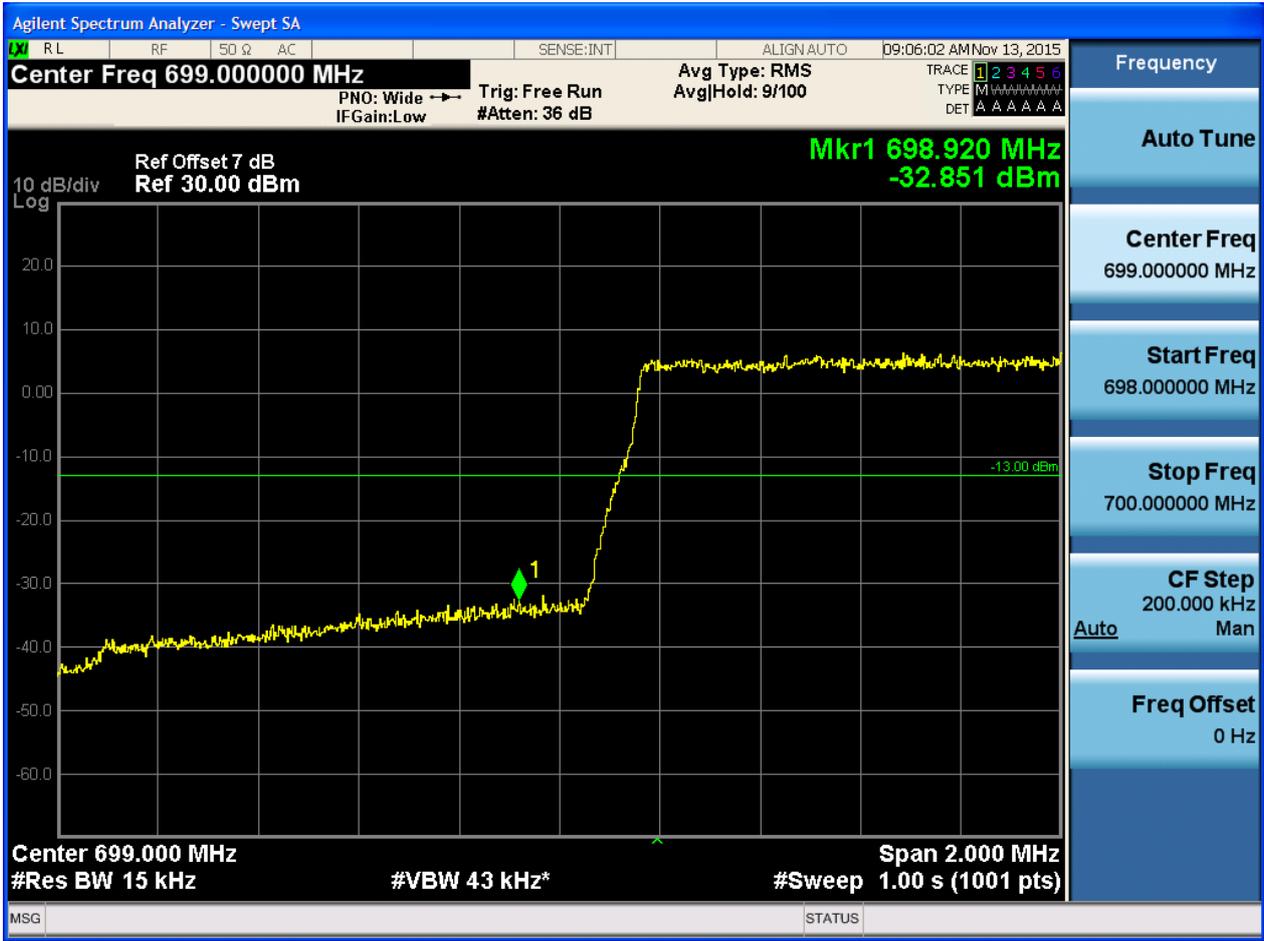
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0

5.1.1.2.1.2.2 Test RB = RB1#5

5.1.1.2.1.2.3 Test RB = RB3#2

Agilent Spectrum Analyzer - Swept SA

| R L | RF | 50 Ω | AC | SENSE:INT | ALIGN AUTO | 09:06:55 AM Nov 13, 2015 |

Center Freq 716.000000 MHz
Avg Type: RMS
Avg|Hold: 9/100
TRACE 1 2 3 4 5 6
TYPE M WWWWWW
DET A A A A A A

PNO: Wide
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Ref Offset 7 dB
10 dB/div Ref 30.00 dBm
Log

Mkr1 716.000 MHz
-28.463 dBm

-13.00 dBm

Center 716.000 MHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Auto   Man

Freq Offset
0 Hz

5.1.1.2.1.2.4 Test RB = RB6#0

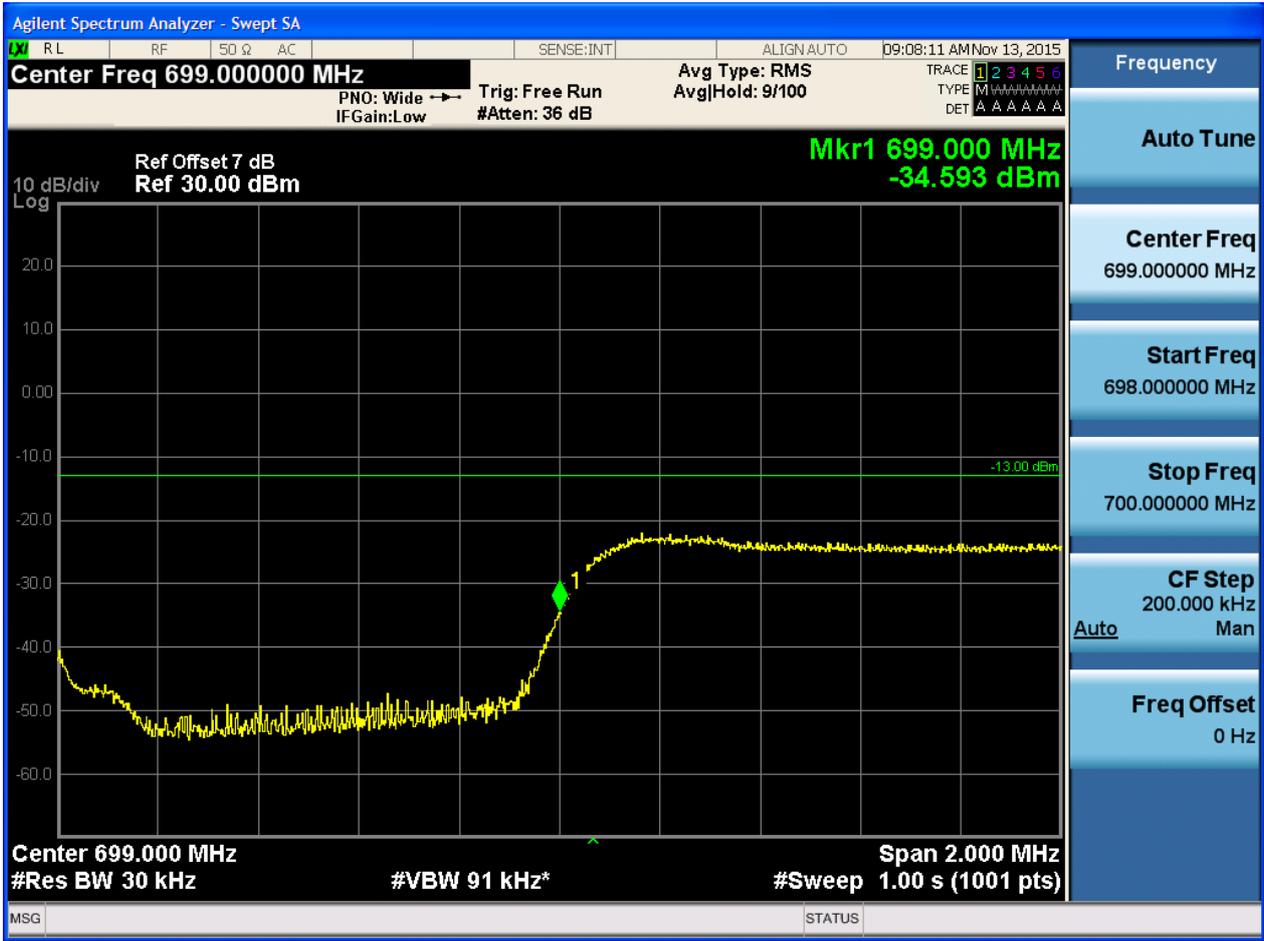## 5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0
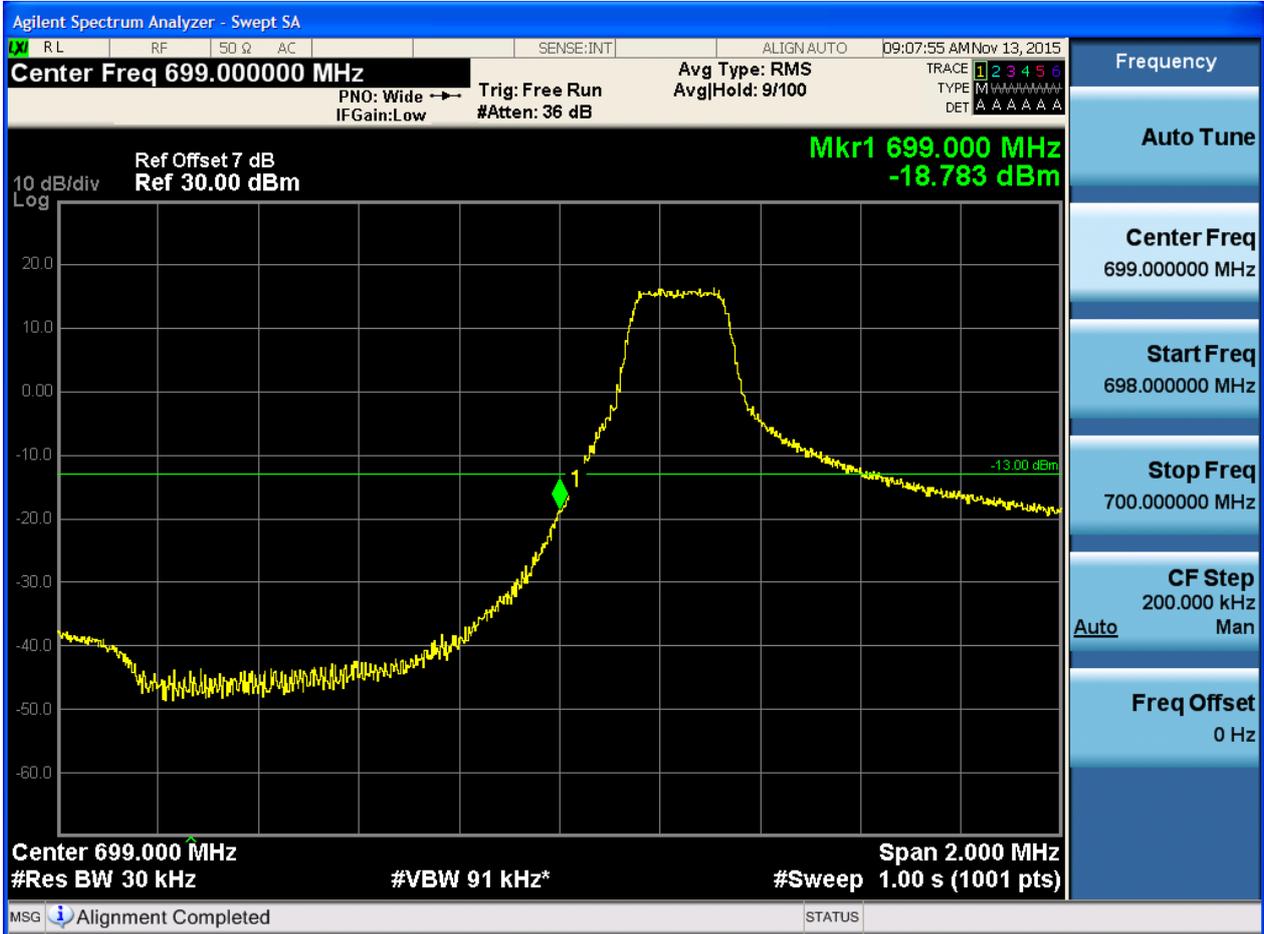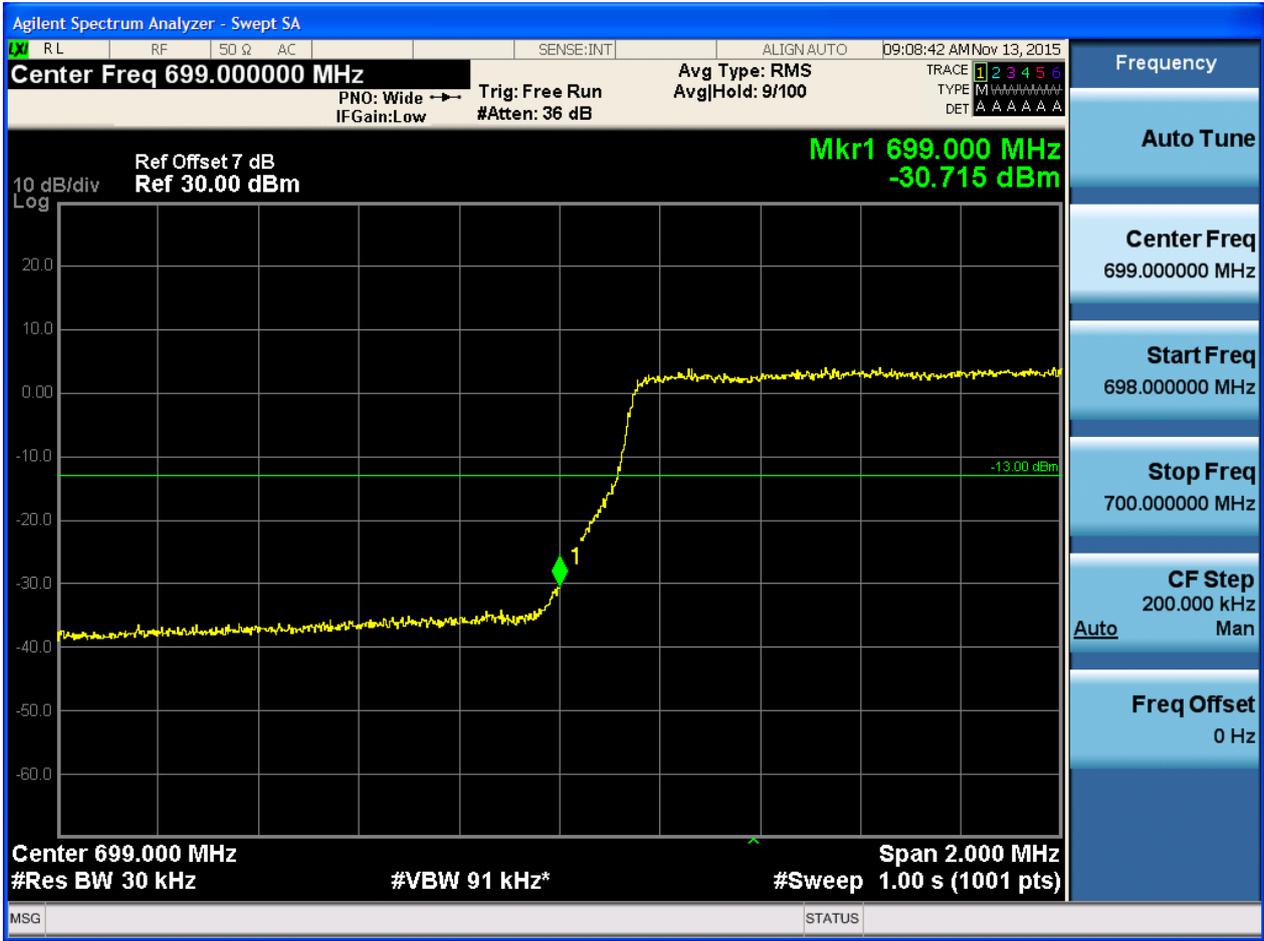
5.1.1.2.2.1.2 Test RB = RB1#14

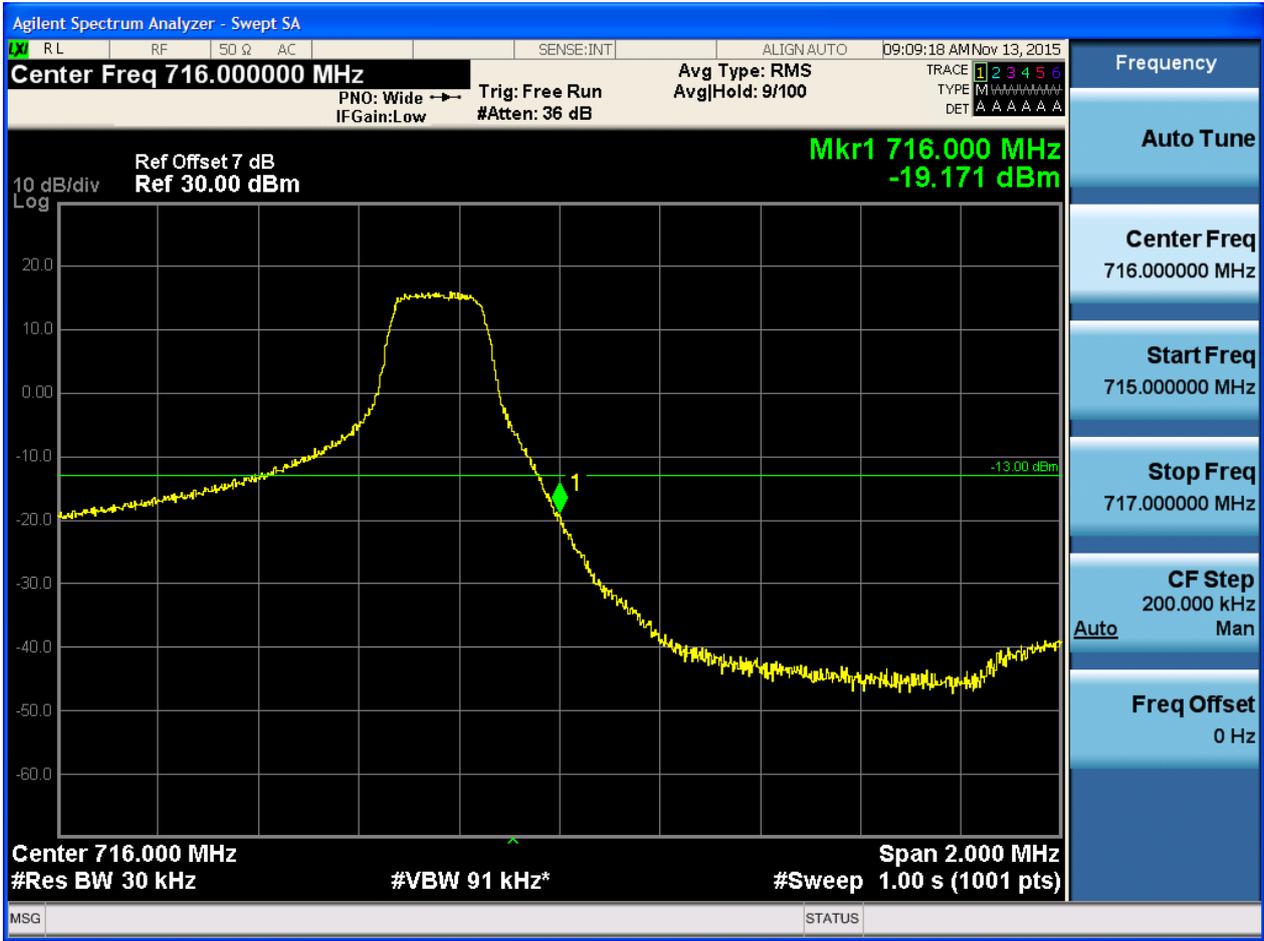## 5.1.1.2.2.1.3 Test RB = RB8#4

5.1.1.2.2.1.4 Test RB = RB15#0

5.1.1.2.2.2 Test Channel = HCH
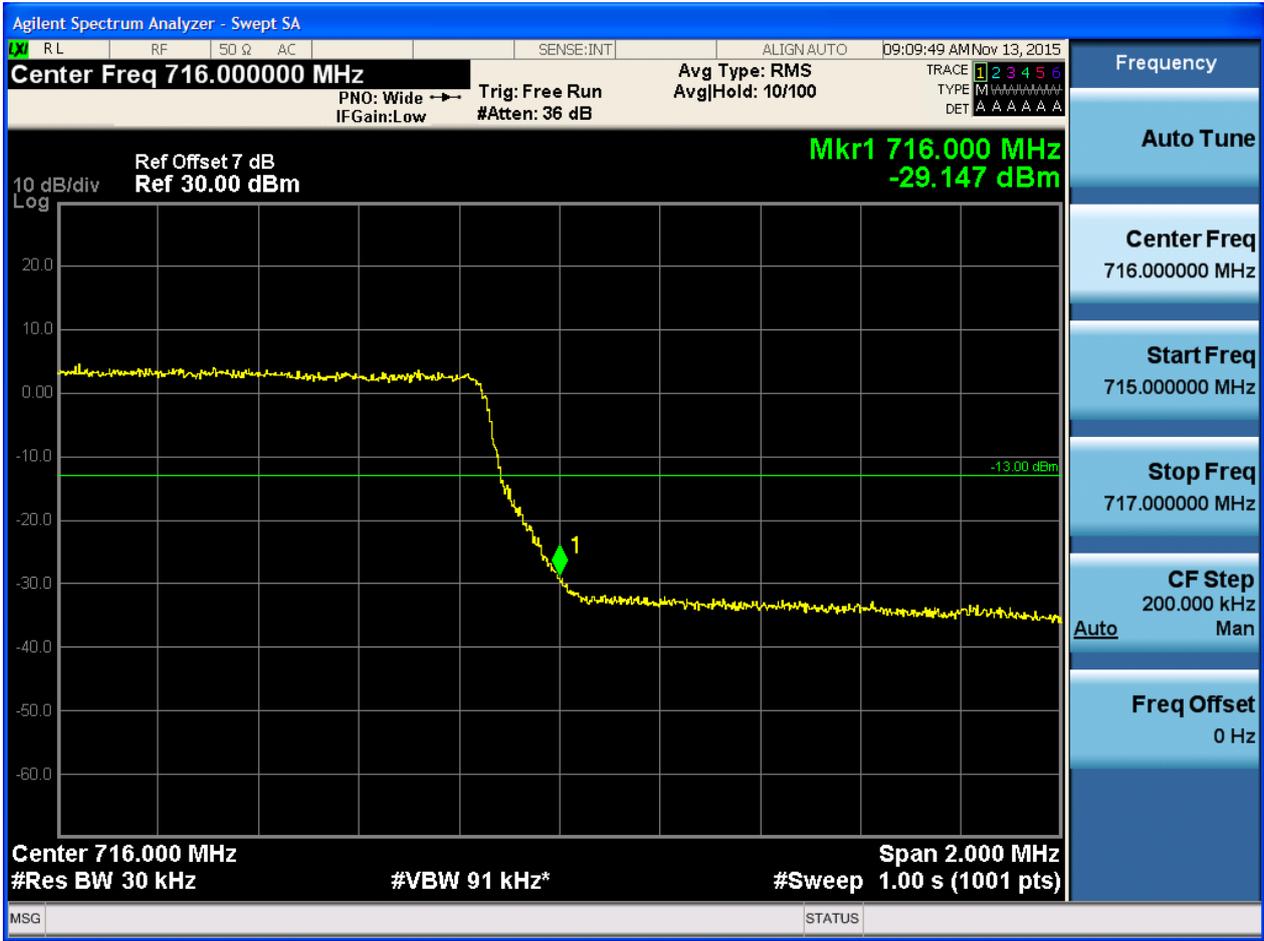
5.1.1.2.2.2.1 Test RB = RB1#0

5.1.1.2.2.2.2 Test RB = RB1#14

5.1.1.2.2.2.3 Test RB = RB8#4

5.1.1.2.2.2.4 Test RB = RB15#0

5.1.1.2.3 Test Bandwidth = 5

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0

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