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	22.23	18.28	34.7	PASS
				RB1#3	22.4	18.45	34.7	PASS
				RB1#5	22.33	18.38	34.7	PASS
				RB3#0	22.18	18.23	34.7	PASS
				RB3#2	22.31	18.36	34.7	PASS
				RB3#3	22.24	18.29	34.7	PASS
				RB6#0	21.29	17.34	34.7	PASS
			MCH	RB1#0	22.36	18.41	34.7	PASS
				RB1#3	22.45	18.5	34.7	PASS
				RB1#5	22.27	18.32	34.7	PASS
				RB3#0	22.23	18.28	34.7	PASS
				RB3#2	22.32	18.37	34.7	PASS
				RB3#3	22.24	18.29	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB6#0	21.18	17.23	34.7	PASS
			HCH	RB1#0	22.17	18.22	34.7	PASS
				RB1#3	22.38	18.43	34.7	PASS
				RB1#5	22.3	18.35	34.7	PASS
				RB3#0	22.11	18.16	34.7	PASS
				RB3#2	22.29	18.34	34.7	PASS
				RB3#3	22.26	18.31	34.7	PASS
				RB6#0	21.15	17.2	34.7	PASS
		3	LCH	RB1#0	22.23	18.28	34.7	PASS
				RB1#7	22.14	18.19	34.7	PASS
				RB1#14	22.36	18.41	34.7	PASS
				RB8#0	21.32	17.37	34.7	PASS
				RB8#4	21.3	17.35	34.7	PASS
				RB8#7	21.2	17.25	34.7	PASS
				RB15#0	21.29	17.34	34.7	PASS
			MCH	RB1#0	22.32	18.37	34.7	PASS
				RB1#7	22.35	18.4	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB1#14	22.38	18.43	34.7	PASS
				RB8#0	21.31	17.36	34.7	PASS
				RB8#4	21.4	17.45	34.7	PASS
				RB8#7	21.31	17.36	34.7	PASS
				RB15#0	21.3	17.35	34.7	PASS
			HCH	RB1#0	22.23	18.28	34.7	PASS
				RB1#7	22.26	18.31	34.7	PASS
				RB1#14	22.53	18.58	34.7	PASS
				RB8#0	21.11	17.16	34.7	PASS
				RB8#4	21.23	17.28	34.7	PASS
				RB8#7	21.13	17.18	34.7	PASS
				RB15#0	21.16	17.21	34.7	PASS
		5	LCH	RB1#0	22.29	18.34	34.7	PASS
				RB1#13	22.48	18.53	34.7	PASS
				RB1#24	22.39	18.44	34.7	PASS
				RB12#0	21.19	17.24	34.7	PASS
				RB12#6	21.21	17.26	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB12#13	21.22	17.27	34.7	PASS
				RB25#0	21.23	17.28	34.7	PASS
			MCH	RB1#0	22.4	18.45	34.7	PASS
				RB1#13	22.48	18.53	34.7	PASS
				RB1#24	22.32	18.37	34.7	PASS
				RB12#0	21.21	17.26	34.7	PASS
				RB12#6	21.33	17.38	34.7	PASS
				RB12#13	21.24	17.29	34.7	PASS
				RB25#0	21.34	17.39	34.7	PASS
			HCH	RB1#0	22.27	18.32	34.7	PASS
				RB1#13	22.38	18.43	34.7	PASS
				RB1#24	22.46	18.51	34.7	PASS
				RB12#0	21.13	17.18	34.7	PASS
				RB12#6	21.18	17.23	34.7	PASS
				RB12#13	21.18	17.23	34.7	PASS
				RB25#0	21.19	17.24	34.7	PASS
		10	LCH	RB1#0	22.3	18.35	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB1#25	22.13	18.18	34.7	PASS
				RB1#49	22.33	18.38	34.7	PASS
				RB25#0	21.18	17.23	34.7	PASS
				RB25#13	21.24	17.29	34.7	PASS
				RB25#25	21.31	17.36	34.7	PASS
				RB50#0	21.33	17.38	34.7	PASS
			MCH	RB1#0	22.44	18.49	34.7	PASS
				RB1#25	22.25	18.3	34.7	PASS
				RB1#49	22.42	18.47	34.7	PASS
				RB25#0	21.25	17.3	34.7	PASS
				RB25#13	21.3	17.35	34.7	PASS
				RB25#25	21.22	17.27	34.7	PASS
				RB50#0	21.27	17.32	34.7	PASS
			HCH	RB1#0	22.32	18.37	34.7	PASS
				RB1#25	22.2	18.25	34.7	PASS
				RB1#49	22.35	18.4	34.7	PASS
				RB25#0	21.29	17.34	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB25#13	21.25	17.3	34.7	PASS
				RB25#25	21.09	17.14	34.7	PASS
				RB50#0	21.26	17.31	34.7	PASS
			LCH	RB1#0	21.61	17.66	34.7	PASS
				RB1#3	21.71	17.76	34.7	PASS
				RB1#5	21.69	17.74	34.7	PASS
				RB3#0	21.38	17.43	34.7	PASS
				RB3#2	21.5	17.55	34.7	PASS
				RB3#3	21.45	17.5	34.7	PASS
LTE/TM2	1.4			RB6#0	20.29	16.34	34.7	PASS
				RB1#0	21.69	17.74	34.7	PASS
				RB1#3	21.67	17.72	34.7	PASS
				RB1#5	21.69	17.74	34.7	PASS
			MCH	RB3#0	21.42	17.47	34.7	PASS
				RB3#2	21.49	17.54	34.7	PASS
				RB3#3	21.43	17.48	34.7	PASS
				RB6#0	20.21	16.26	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.63	17.68	34.7	PASS
				RB1#3	21.69	17.74	34.7	PASS
				RB1#5	21.63	17.68	34.7	PASS
				RB3#0	21.29	17.34	34.7	PASS
				RB3#2	21.4	17.45	34.7	PASS
				RB3#3	21.4	17.45	34.7	PASS
				RB6#0	20.27	16.32	34.7	PASS
		3	LCH	RB1#0	21.63	17.68	34.7	PASS
				RB1#7	21.5	17.55	34.7	PASS
				RB1#14	21.66	17.71	34.7	PASS
				RB8#0	20.39	16.44	34.7	PASS
				RB8#4	20.41	16.46	34.7	PASS
				RB8#7	20.33	16.38	34.7	PASS
				RB15#0	20.3	16.35	34.7	PASS
			MCH	RB1#0	21.83	17.88	34.7	PASS
				RB1#7	21.68	17.73	34.7	PASS
				RB1#14	21.7	17.75	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB8#0	20.4	16.45	34.7	PASS
				RB8#4	20.5	16.55	34.7	PASS
				RB8#7	20.38	16.43	34.7	PASS
				RB15#0	20.33	16.38	34.7	PASS
			HCH	RB1#0	21.73	17.78	34.7	PASS
				RB1#7	21.6	17.65	34.7	PASS
				RB1#14	21.69	17.74	34.7	PASS
				RB8#0	20.32	16.37	34.7	PASS
				RB8#4	20.44	16.49	34.7	PASS
				RB8#7	20.36	16.41	34.7	PASS
				RB15#0	20.24	16.29	34.7	PASS
		5	LCH	RB1#0	21.61	17.66	34.7	PASS
				RB1#13	21.42	17.47	34.7	PASS
				RB1#24	21.61	17.66	34.7	PASS
				RB12#0	20.24	16.29	34.7	PASS
				RB12#6	20.23	16.28	34.7	PASS
				RB12#13	20.25	16.3	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB25#0	20.17	16.22	34.7	PASS
			MCH	RB1#0	21.67	17.72	34.7	PASS
				RB1#13	21.73	17.78	34.7	PASS
				RB1#24	21.45	17.5	34.7	PASS
				RB12#0	20.29	16.34	34.7	PASS
				RB12#6	20.33	16.38	34.7	PASS
				RB12#13	20.32	16.37	34.7	PASS
				RB25#0	20.29	16.34	34.7	PASS
			HCH	RB1#0	21.58	17.63	34.7	PASS
				RB1#13	21.51	17.56	34.7	PASS
				RB1#24	21.64	17.69	34.7	PASS
				RB12#0	20.25	16.3	34.7	PASS
				RB12#6	20.25	16.3	34.7	PASS
				RB12#13	20.3	16.35	34.7	PASS
				RB25#0	20.2	16.25	34.7	PASS
		10	LCH	RB1#0	21.77	17.82	34.7	PASS
				RB1#25	21.52	17.57	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB1#49	21.73	17.78	34.7	PASS
				RB25#0	20.16	16.21	34.7	PASS
				RB25#13	20.26	16.31	34.7	PASS
				RB25#25	20.22	16.27	34.7	PASS
				RB50#0	20.28	16.33	34.7	PASS
			MCH	RB1#0	21.62	17.67	34.7	PASS
				RB1#25	21.71	17.76	34.7	PASS
				RB1#49	21.56	17.61	34.7	PASS
				RB25#0	20.24	16.29	34.7	PASS
				RB25#13	20.32	16.37	34.7	PASS
				RB25#25	20.19	16.24	34.7	PASS
				RB50#0	20.24	16.29	34.7	PASS
			HCH	RB1#0	21.76	17.81	34.7	PASS
				RB1#25	21.6	17.65	34.7	PASS
				RB1#49	21.56	17.61	34.7	PASS
				RB25#0	20.29	16.34	34.7	PASS
				RB25#13	20.21	16.26	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB25#25	20.09	16.14	34.7	PASS
				RB50#0	20.27	16.32	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
BAND13	LTE/TM1	5	LCH	RB1#0	22.62	19.11	34.7	PASS
				RB1#13	22.32	18.81	34.7	PASS
				RB1#24	22.53	19.02	34.7	PASS
				RB12#0	21.36	17.85	34.7	PASS
				RB12#6	21.32	17.81	34.7	PASS
				RB12#13	21.17	17.66	34.7	PASS
				RB25#0	21.4	17.89	34.7	PASS
			MCH	RB1#0	22.2	18.69	34.7	PASS
				RB1#13	22.48	18.97	34.7	PASS
				RB1#24	22.4	18.89	34.7	PASS
				RB12#0	21.29	17.78	34.7	PASS
				RB12#6	21.42	17.91	34.7	PASS
				RB12#13	21.38	17.87	34.7	PASS
				RB25#0	21.39	17.88	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.44	18.93	34.7	PASS
				RB1#13	22.43	18.92	34.7	PASS
				RB1#24	22.48	18.97	34.7	PASS
				RB12#0	21.35	17.84	34.7	PASS
				RB12#6	21.4	17.89	34.7	PASS
				RB12#13	21.3	17.79	34.7	PASS
				RB25#0	21.4	17.89	34.7	PASS
		10	LCH	RB1#0	22.63	19.12	34.7	PASS
				RB1#25	22.44	18.93	34.7	PASS
				RB1#49	22.41	18.9	34.7	PASS
				RB25#0	21.45	17.94	34.7	PASS
				RB25#13	21.33	17.82	34.7	PASS
				RB25#25	21.27	17.76	34.7	PASS
				RB50#0	21.46	17.95	34.7	PASS
			MCH	RB1#0	22.51	19	34.7	PASS
				RB1#25	22.29	18.78	34.7	PASS
				RB1#49	22.31	18.8	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB25#0	21.38	17.87	34.7	PASS
				RB25#13	21.26	17.75	34.7	PASS
				RB25#25	21.27	17.76	34.7	PASS
				RB50#0	21.44	17.93	34.7	PASS
			HCH	RB1#0	22.58	19.07	34.7	PASS
				RB1#25	22.28	18.77	34.7	PASS
				RB1#49	22.46	18.95	34.7	PASS
				RB25#0	21.37	17.86	34.7	PASS
				RB25#13	21.31	17.8	34.7	PASS
				RB25#25	21.27	17.76	34.7	PASS
				RB50#0	21.43	17.92	34.7	PASS
	LTE/TM2	5	LCH	RB1#0	21.78	18.27	34.7	PASS
				RB1#13	21.53	18.02	34.7	PASS
				RB1#24	21.53	18.02	34.7	PASS
				RB12#0	20.34	16.83	34.7	PASS
				RB12#6	20.26	16.75	34.7	PASS
				RB12#13	20.28	16.77	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB25#0	20.29	16.78	34.7	PASS
			MCH	RB1#0	21.45	17.94	34.7	PASS
				RB1#13	21.62	18.11	34.7	PASS
				RB1#24	21.56	18.05	34.7	PASS
				RB12#0	20.31	16.8	34.7	PASS
				RB12#6	20.39	16.88	34.7	PASS
				RB12#13	20.29	16.78	34.7	PASS
				RB25#0	20.31	16.8	34.7	PASS
			HCH	RB1#0	21.64	18.13	34.7	PASS
				RB1#13	21.55	18.04	34.7	PASS
				RB1#24	21.54	18.03	34.7	PASS
				RB12#0	20.32	16.81	34.7	PASS
				RB12#6	20.31	16.8	34.7	PASS
				RB12#13	20.25	16.74	34.7	PASS
				RB25#0	20.29	16.78	34.7	PASS
		10	LCH	RB1#0	21.84	18.33	34.7	PASS
				RB1#25	21.72	18.21	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB1#49	21.64	18.13	34.7	PASS
				RB25#0	20.32	16.81	34.7	PASS
				RB25#13	20.28	16.77	34.7	PASS
				RB25#25	20.26	16.75	34.7	PASS
				RB50#0	20.35	16.84	34.7	PASS
			MCH	RB1#0	21.89	18.38	34.7	PASS
				RB1#25	21.73	18.22	34.7	PASS
				RB1#49	21.75	18.24	34.7	PASS
				RB25#0	20.34	16.83	34.7	PASS
				RB25#13	20.26	16.75	34.7	PASS
				RB25#25	20.29	16.78	34.7	PASS
				RB50#0	20.37	16.86	34.7	PASS
			HCH	RB1#0	21.82	18.31	34.7	PASS
				RB1#25	21.73	18.22	34.7	PASS
				RB1#49	21.71	18.2	34.7	PASS
				RB25#0	20.33	16.82	34.7	PASS
				RB25#13	20.28	16.77	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP[dBm]	Limit [dBm]	Verdict
				RB25#25	20.3	16.79	34.7	PASS
				RB50#0	20.36	16.85	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: 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
BAND12	LTE/TM1	1.4	LCH	RB1#0	4.89	13	PASS
				RB1#3	4.92	13	PASS
				RB1#5	4.95	13	PASS
				RB3#0	6.09	13	PASS
				RB3#2	6.1	13	PASS
				RB3#3	5.47	13	PASS
				RB6#0	7.04	13	PASS
			MCH	RB1#0	4.84	13	PASS
				RB1#3	4.82	13	PASS
				RB1#5	4.86	13	PASS
				RB3#0	6.06	13	PASS
				RB3#2	5.99	13	PASS
				RB3#3	6.01	13	PASS
				RB6#0	6.81	13	PASS
			HCH	RB1#0	4.84	13	PASS
				RB1#3	4.63	13	PASS
				RB1#5	4.6	13	PASS
				RB3#0	5.63	13	PASS
				RB3#2	5.26	13	PASS
				RB3#3	5.21	13	PASS
				RB6#0	6.56	13	PASS
		3	LCH	RB1#0	5.21	13	PASS
				RB1#7	3.34	13	PASS
				RB1#14	3.82	13	PASS
				RB8#0	6.42	13	PASS
				RB8#4	4.42	13	PASS
				RB8#7	4.62	13	PASS
				RB15#0	4.83	13	PASS
			MCH	RB1#0	5.2	13	PASS
				RB1#7	5.07	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	5.16	13	PASS
				RB8#0	6.04	13	PASS
				RB8#4	6.47	13	PASS
				RB8#7	6.49	13	PASS
				RB15#0	5.51	13	PASS
			HCH	RB1#0	5.33	13	PASS
				RB1#7	5.26	13	PASS
				RB1#14	4.58	13	PASS
				RB8#0	6.4	13	PASS
				RB8#4	6.32	13	PASS
				RB8#7	6.26	13	PASS
				RB15#0	6.13	13	PASS
		5	LCH	RB1#0	5.02	13	PASS
				RB1#13	3.44	13	PASS
				RB1#24	3.31	13	PASS
				RB12#0	4.46	13	PASS
				RB12#6	4.57	13	PASS
				RB12#13	4.58	13	PASS
				RB25#0	4.75	13	PASS
			MCH	RB1#0	5.06	13	PASS
				RB1#13	4.94	13	PASS
				RB1#24	5.11	13	PASS
				RB12#0	4.31	13	PASS
				RB12#6	6.05	13	PASS
				RB12#13	6.04	13	PASS
				RB25#0	5.96	13	PASS
			HCH	RB1#0	5.11	13	PASS
				RB1#13	5.12	13	PASS
				RB1#24	4.63	13	PASS
				RB12#0	6.2	13	PASS
				RB12#6	6.3	13	PASS
				RB12#13	6.24	13	PASS
				RB25#0	5.98	13	PASS
		10	LCH	RB1#0	5.23	13	PASS
				RB1#25	3.46	13	PASS
				RB1#49	5.17	13	PASS
				RB25#0	4.47	13	PASS
				RB25#13	4.37	13	PASS
				RB25#25	6.21	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.21	13	PASS
			MCH	RB1#0	5.02	13	PASS
				RB1#25	5.11	13	PASS
				RB1#49	5.34	13	PASS
				RB25#0	4.35	13	PASS
				RB25#13	6.08	13	PASS
				RB25#25	6.19	13	PASS
				RB50#0	6.31	13	PASS
			HCH	RB1#0	5.21	13	PASS
				RB1#25	5.27	13	PASS
				RB1#49	4.9	13	PASS
				RB25#0	6.15	13	PASS
				RB25#13	6.2	13	PASS
				RB25#25	6.29	13	PASS
				RB50#0	6.53	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	6.33	13	PASS
				RB1#3	6.31	13	PASS
				RB1#5	6.32	13	PASS
				RB3#0	7.15	13	PASS
				RB3#2	7.14	13	PASS
				RB3#3	6.28	13	PASS
				RB6#0	6.34	13	PASS
			MCH	RB1#0	6.26	13	PASS
				RB1#3	6.22	13	PASS
				RB1#5	6.21	13	PASS
				RB3#0	6.64	13	PASS
				RB3#2	6.98	13	PASS
				RB3#3	6.43	13	PASS
				RB6#0	6.13	13	PASS
			HCH	RB1#0	6.22	13	PASS
				RB1#3	5.94	13	PASS
				RB1#5	5.65	13	PASS
				RB3#0	6.68	13	PASS
				RB3#2	6.32	13	PASS
				RB3#3	6.35	13	PASS
				RB6#0	7.01	13	PASS
		3	LCH	RB1#0	6.42	13	PASS
				RB1#7	4.54	13	PASS
				RB1#14	4.39	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	6.11	13	PASS
				RB8#4	5.26	13	PASS
				RB8#7	5.46	13	PASS
				RB15#0	5.85	13	PASS
			MCH	RB1#0	6.4	13	PASS
				RB1#7	5.5	13	PASS
				RB1#14	6.35	13	PASS
				RB8#0	6.33	13	PASS
				RB8#4	6.27	13	PASS
				RB8#7	7.24	13	PASS
				RB15#0	6.72	13	PASS
			HCH	RB1#0	6.35	13	PASS
				RB1#7	6.26	13	PASS
				RB1#14	5.48	13	PASS
				RB8#0	7.2	13	PASS
				RB8#4	7.19	13	PASS
				RB8#7	7.17	13	PASS
				RB15#0	7.35	13	PASS
			LCH	RB1#0	6.39	13	PASS
				RB1#13	4.14	13	PASS
				RB1#24	4.31	13	PASS
				RB12#0	5.35	13	PASS
				RB12#6	5.44	13	PASS
				RB12#13	5.49	13	PASS
				RB25#0	5.91	13	PASS
		5	MCH	RB1#0	5.66	13	PASS
				RB1#13	6.24	13	PASS
				RB1#24	6.39	13	PASS
				RB12#0	5.82	13	PASS
				RB12#6	6.78	13	PASS
				RB12#13	7.09	13	PASS
				RB25#0	7.29	13	PASS
			HCH	RB1#0	6.32	13	PASS
				RB1#13	6.29	13	PASS
				RB1#24	5.74	13	PASS
				RB12#0	7.18	13	PASS
				RB12#6	7.12	13	PASS
				RB12#13	7.24	13	PASS
				RB25#0	7.28	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB1#0	6.43	13	PASS
				RB1#25	5.1	13	PASS
				RB1#49	6.37	13	PASS
				RB25#0	5.44	13	PASS
				RB25#13	5.39	13	PASS
				RB25#25	7.67	13	PASS
				RB50#0	5.95	13	PASS
			MCH	RB1#0	6.67	13	PASS
				RB1#25	5.97	13	PASS
				RB1#49	6.5	13	PASS
				RB25#0	5.32	13	PASS
				RB25#13	7.64	13	PASS
				RB25#25	7.78	13	PASS
				RB50#0	7.51	13	PASS
			HCH	RB1#0	6.37	13	PASS
				RB1#25	6.51	13	PASS
				RB1#49	5.95	13	PASS
				RB25#0	7.56	13	PASS
				RB25#13	7.61	13	PASS
				RB25#25	7.72	13	PASS
				RB50#0	7.39	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND13	LTE/TM1	5	LCH	RB1#0	3.53	13	PASS
				RB1#13	4.4	13	PASS
				RB1#24	4.88	13	PASS
				RB12#0	5.5	13	PASS
				RB12#6	5.66	13	PASS
				RB12#13	6.02	13	PASS
				RB25#0	5.68	13	PASS
			MCH	RB1#0	4.6	13	PASS
				RB1#13	4.78	13	PASS
				RB1#24	4.56	13	PASS
				RB12#0	5.95	13	PASS
				RB12#6	5.9	13	PASS
				RB12#13	5.96	13	PASS
				RB25#0	5.89	13	PASS
			HCH	RB1#0	4.76	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#13	4.51	13	PASS
				RB1#24	4.48	13	PASS
				RB12#0	5.93	13	PASS
				RB12#6	5.84	13	PASS
				RB12#13	5.95	13	PASS
				RB25#0	5.81	13	PASS
			LCH	RB1#0	3.62	13	PASS
				RB1#25	5.05	13	PASS
				RB1#49	4.61	13	PASS
				RB25#0	5.87	13	PASS
				RB25#13	5.9	13	PASS
				RB25#25	5.95	13	PASS
				RB50#0	5.83	13	PASS
			MCH	RB1#0	3.72	13	PASS
				RB1#25	5.05	13	PASS
		10		RB1#49	4.54	13	PASS
				RB25#0	5.8	13	PASS
				RB25#13	5.76	13	PASS
				RB25#25	6.01	13	PASS
				RB50#0	6.1	13	PASS
			HCH	RB1#0	3.72	13	PASS
				RB1#25	5.05	13	PASS
				RB1#49	4.59	13	PASS
				RB25#0	5.83	13	PASS
				RB25#13	5.83	13	PASS
				RB25#25	6.03	13	PASS
				RB50#0	6.08	13	PASS
	LTE/TM2	5	LCH	RB1#0	4.27	13	PASS
				RB1#13	5.15	13	PASS
				RB1#24	5.89	13	PASS
				RB12#0	6.27	13	PASS
				RB12#6	6.47	13	PASS
				RB12#13	6.85	13	PASS
				RB25#0	6.7	13	PASS
			MCH	RB1#0	5.48	13	PASS
				RB1#13	5.8	13	PASS
				RB1#24	5.42	13	PASS
				RB12#0	6.76	13	PASS
				RB12#6	6.81	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB12#13	6.89	13	PASS
				RB25#0	6.84	13	PASS
			HCH	RB1#0	5.81	13	PASS
				RB1#13	5.34	13	PASS
				RB1#24	5.43	13	PASS
				RB12#0	6.75	13	PASS
				RB12#6	6.63	13	PASS
				RB12#13	6.72	13	PASS
				RB25#0	6.86	13	PASS
			LCH	RB1#0	4.65	13	PASS
				RB1#25	6.04	13	PASS
				RB1#49	5.58	13	PASS
				RB25#0	6.9	13	PASS
				RB25#13	7.22	13	PASS
				RB25#25	7.22	13	PASS
				RB50#0	6.97	13	PASS
			MCH	RB1#0	4.64	13	PASS
				RB1#25	6.02	13	PASS
				RB1#49	5.54	13	PASS
		10		RB25#0	6.89	13	PASS
				RB25#13	7.06	13	PASS
				RB25#25	7.23	13	PASS
				RB50#0	7.18	13	PASS
			HCH	RB1#0	4.62	13	PASS
				RB1#25	6.04	13	PASS
				RB1#49	5.66	13	PASS
				RB25#0	6.88	13	PASS
				RB25#13	7.21	13	PASS
				RB25#25	7.19	13	PASS
				RB50#0	7.1	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
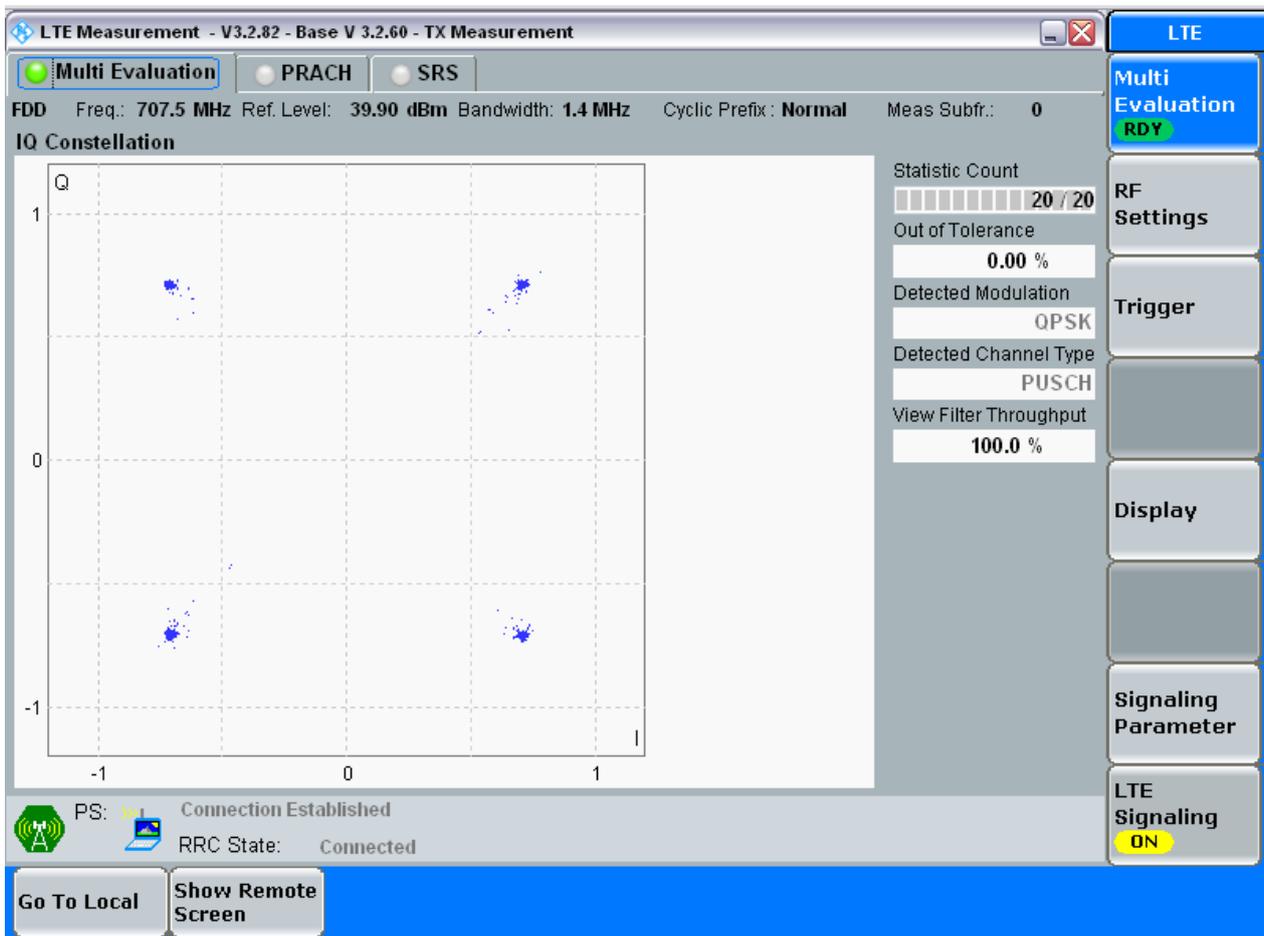
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

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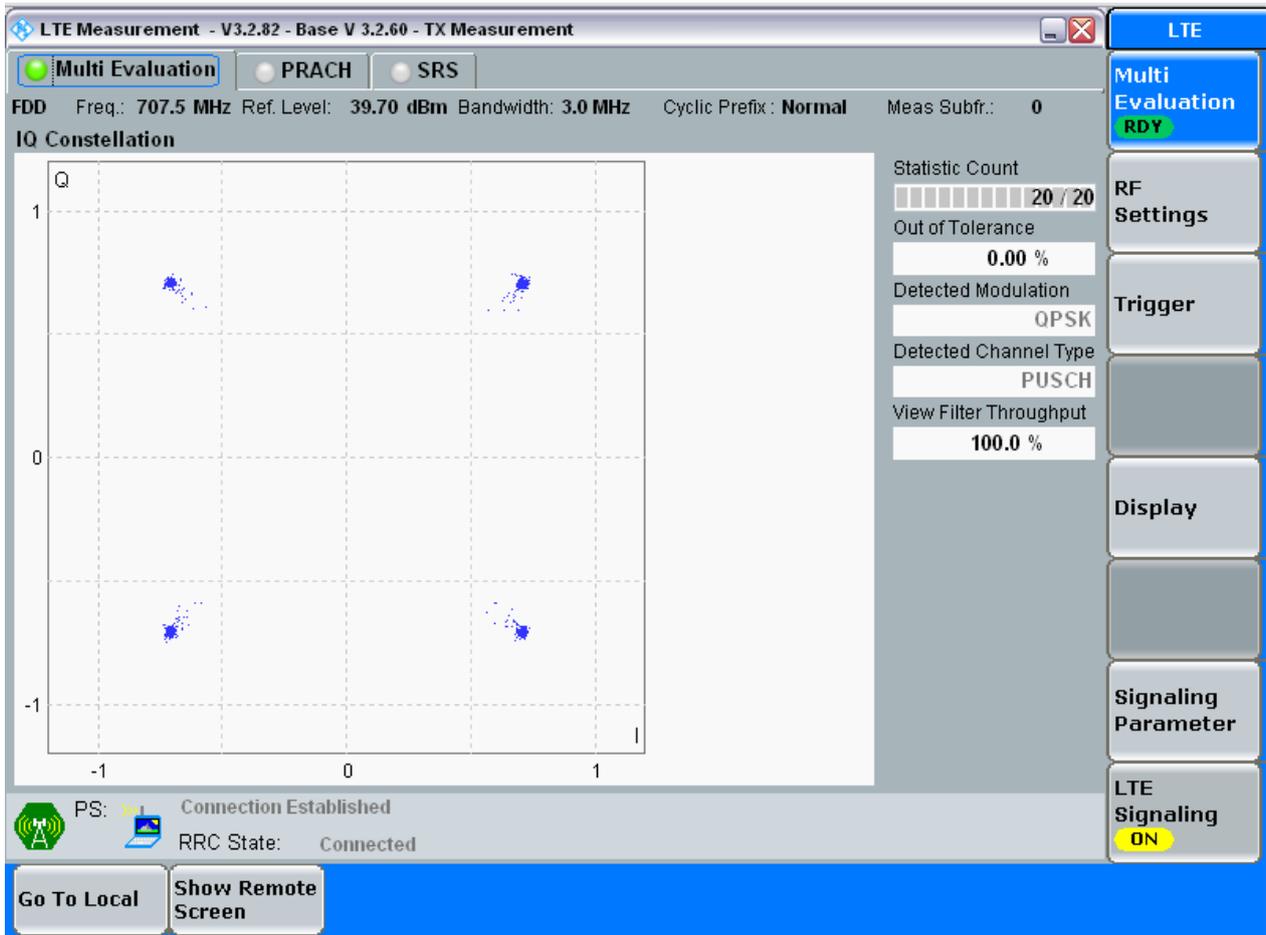
3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

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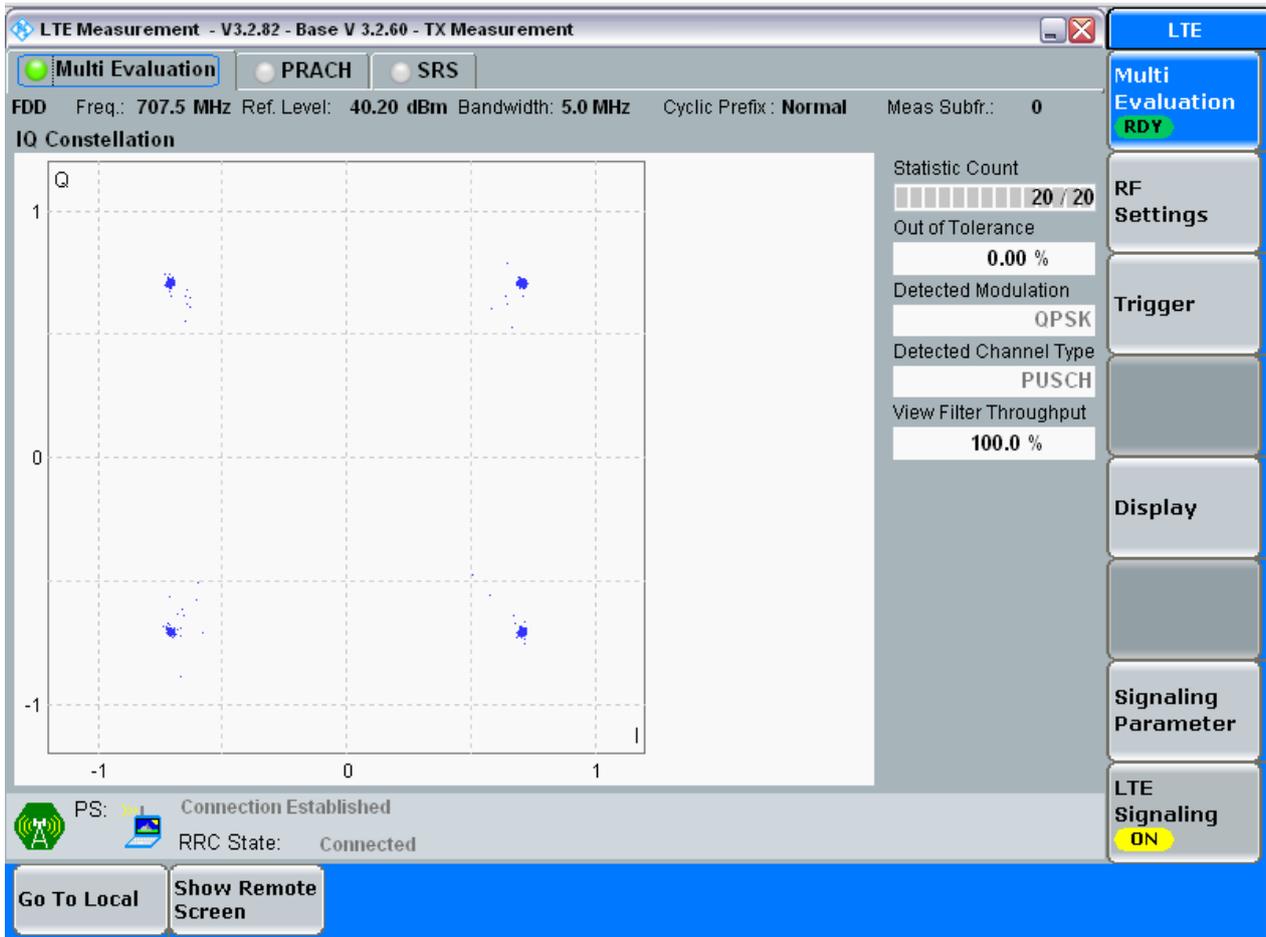
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

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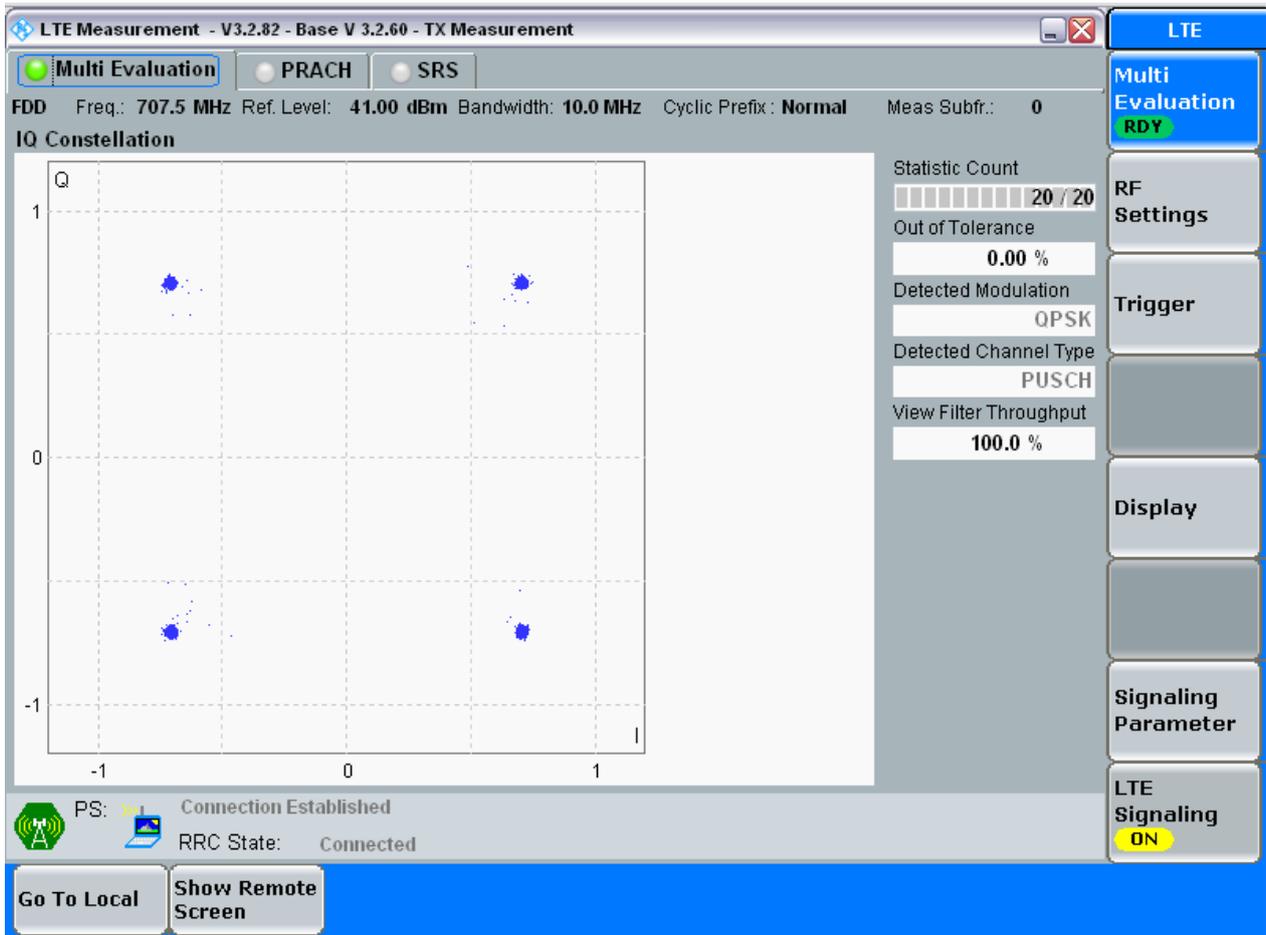
3.1.1.2 Test Mode = LTE/TM2

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
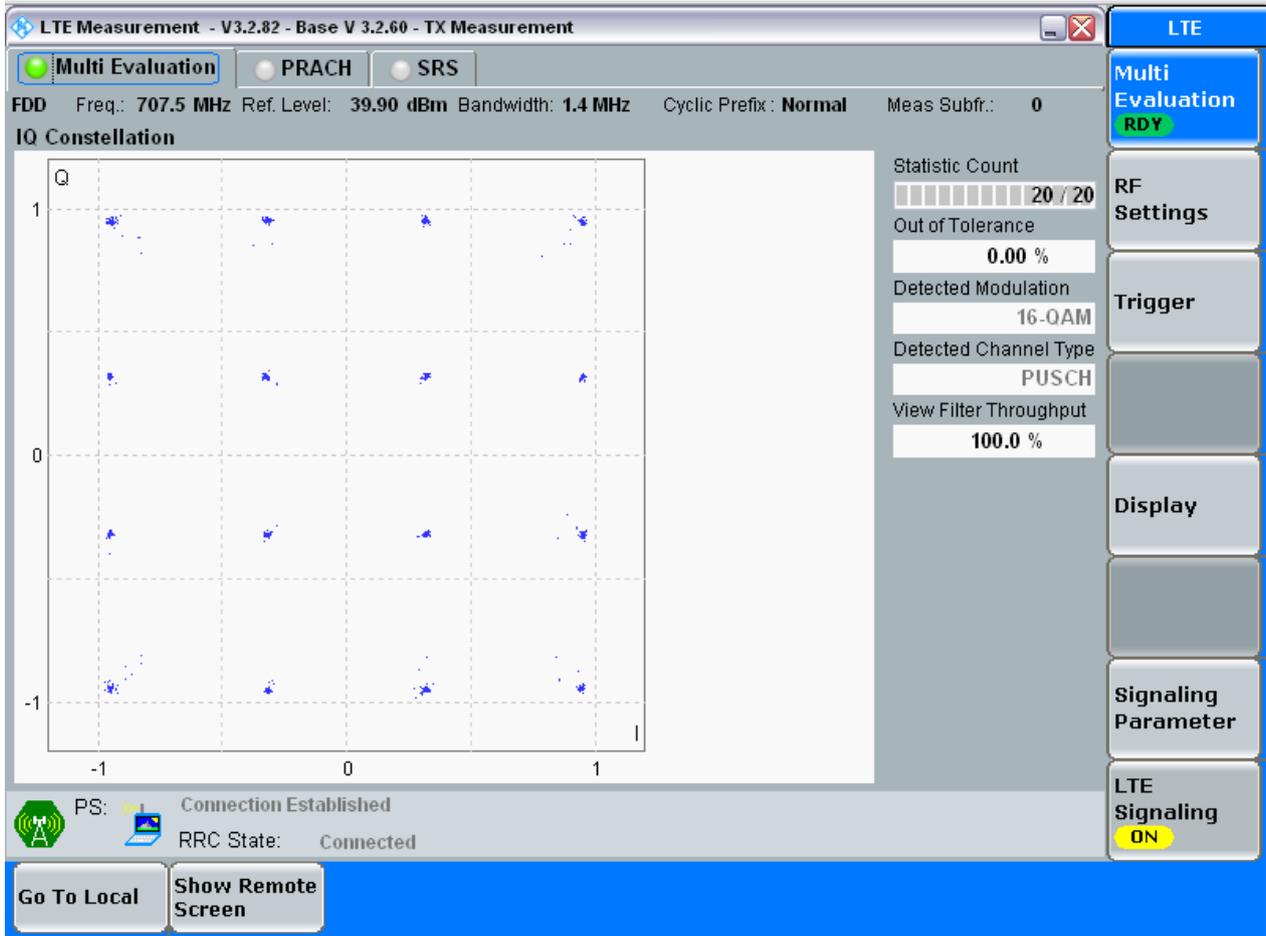
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

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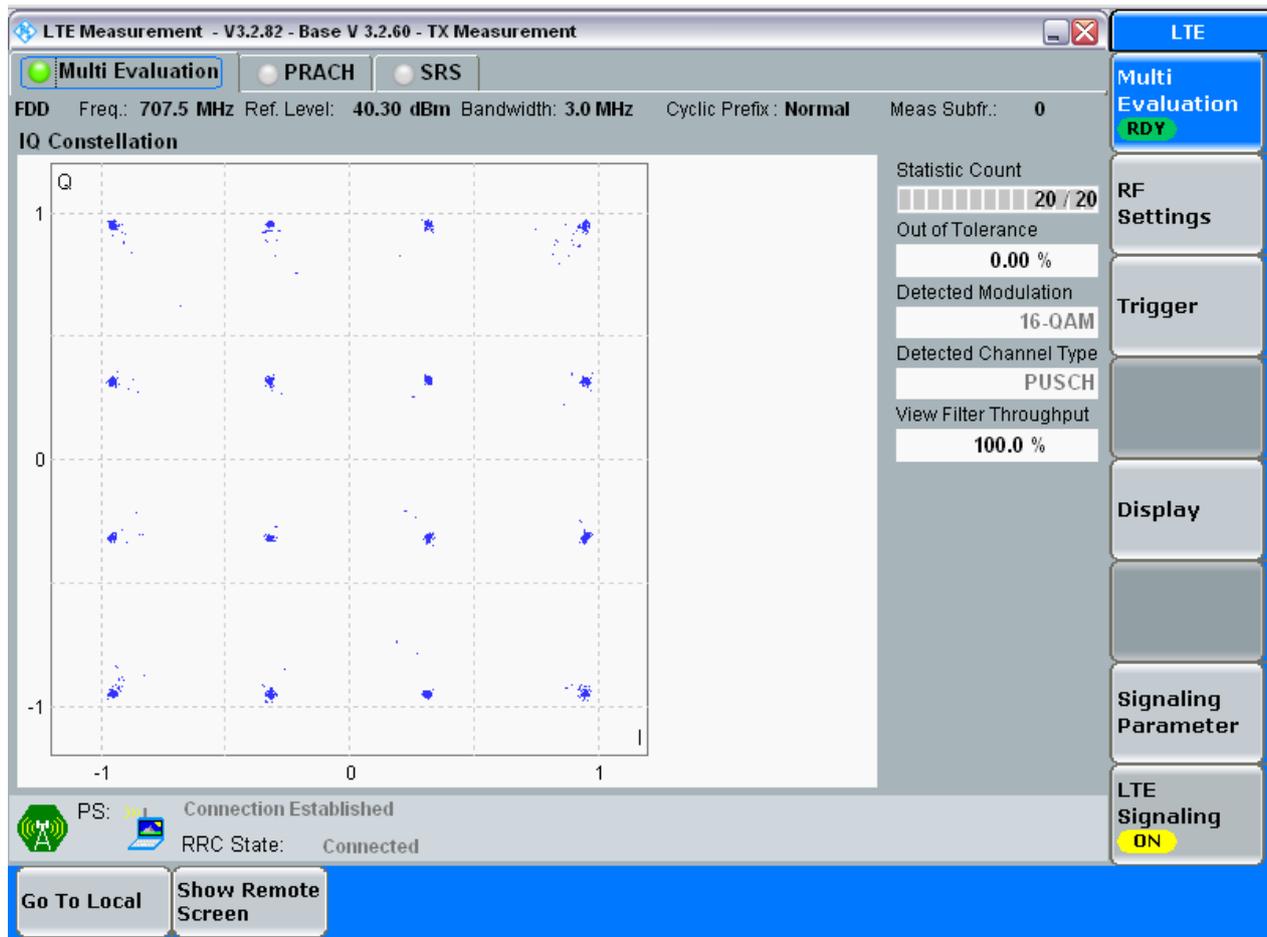
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

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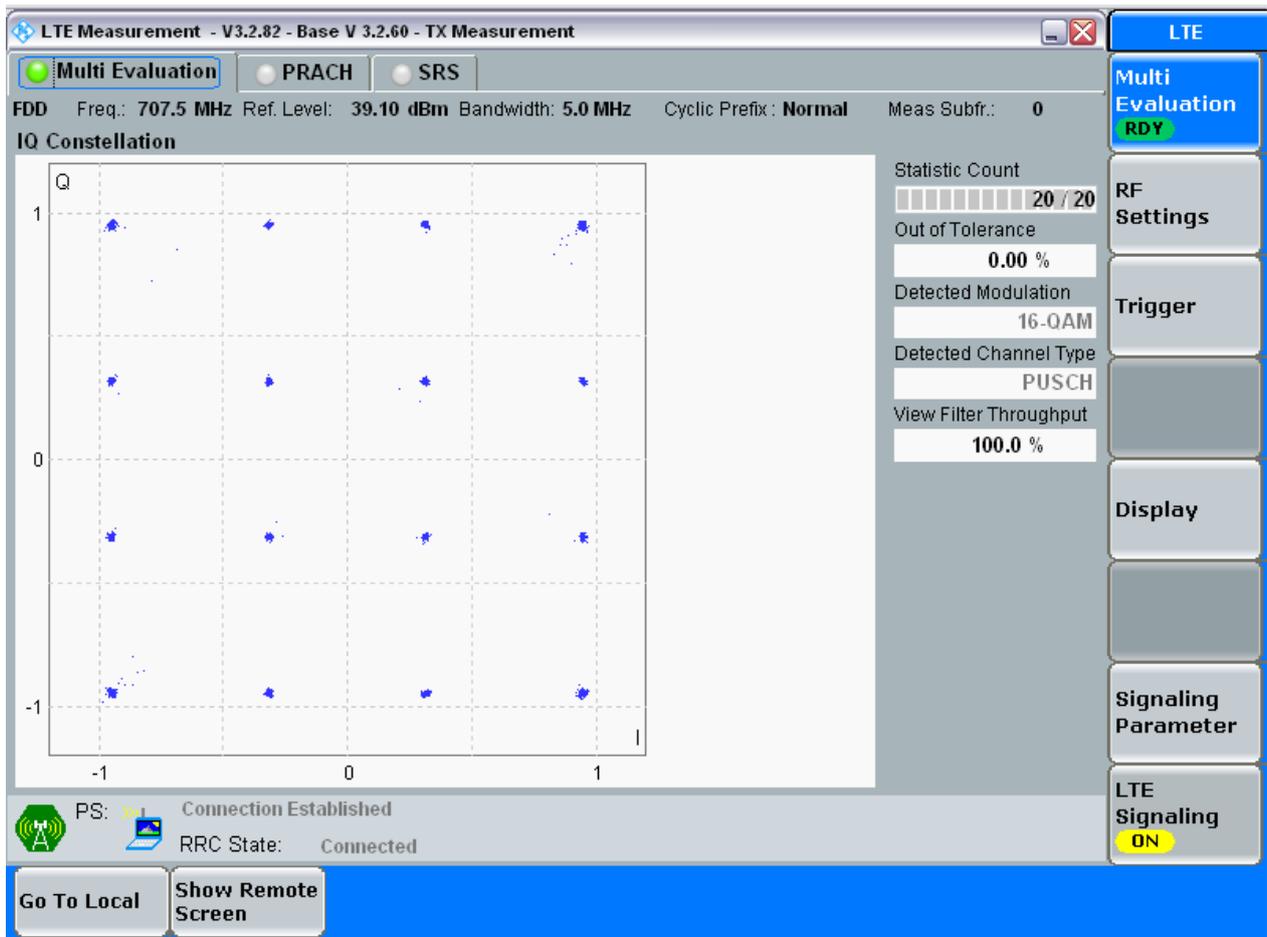
3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0
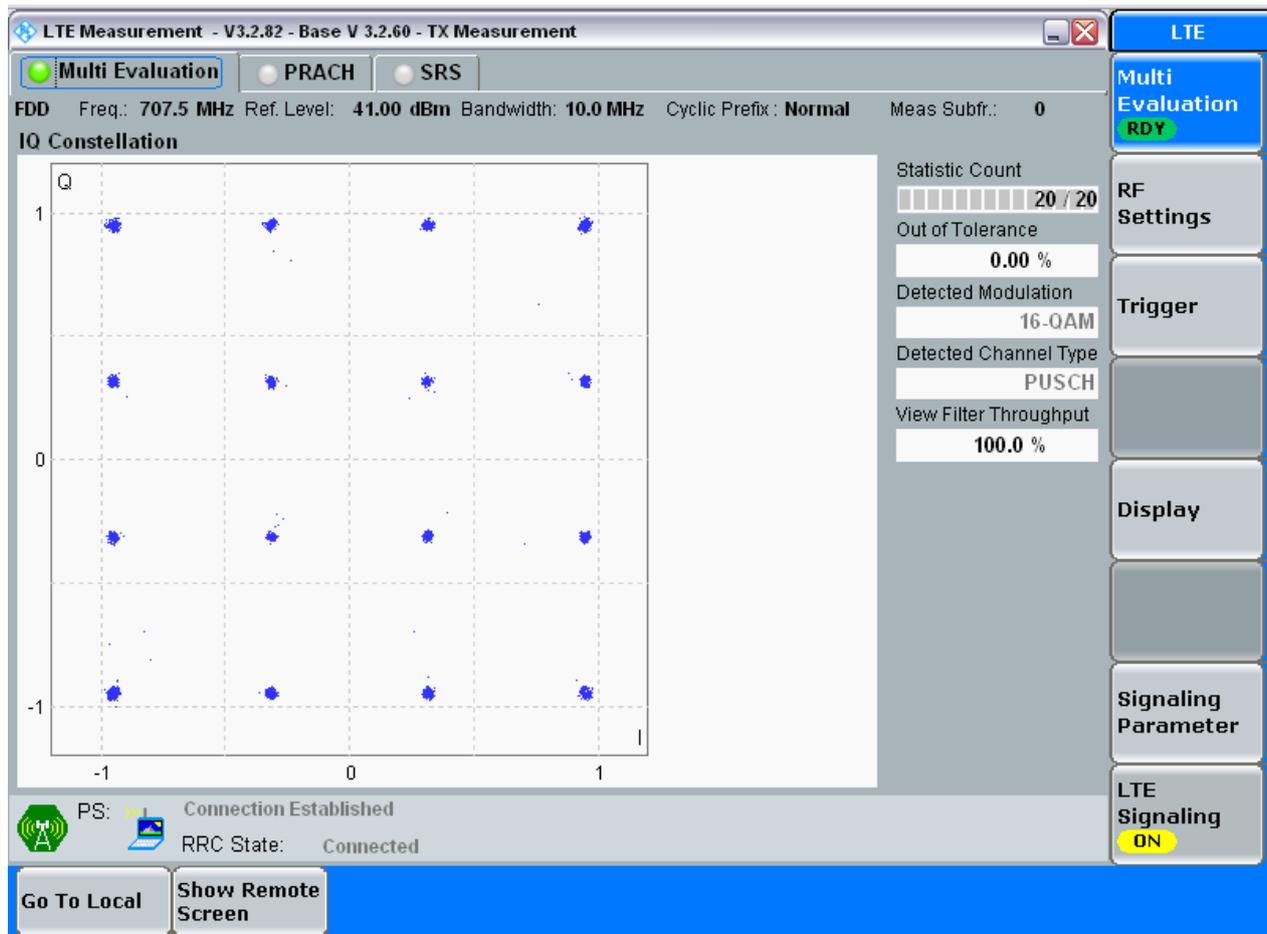
3.2 For LTE

3.2.1 Test Band = BAND13

3.2.1.1 Test Mode = LTE/TM1

3.2.1.1.1 Test Bandwidth = 5

3.2.1.1.1.1 Test Channel = MCH

3.2.1.1.1.1.1 Test RB = RB25#0
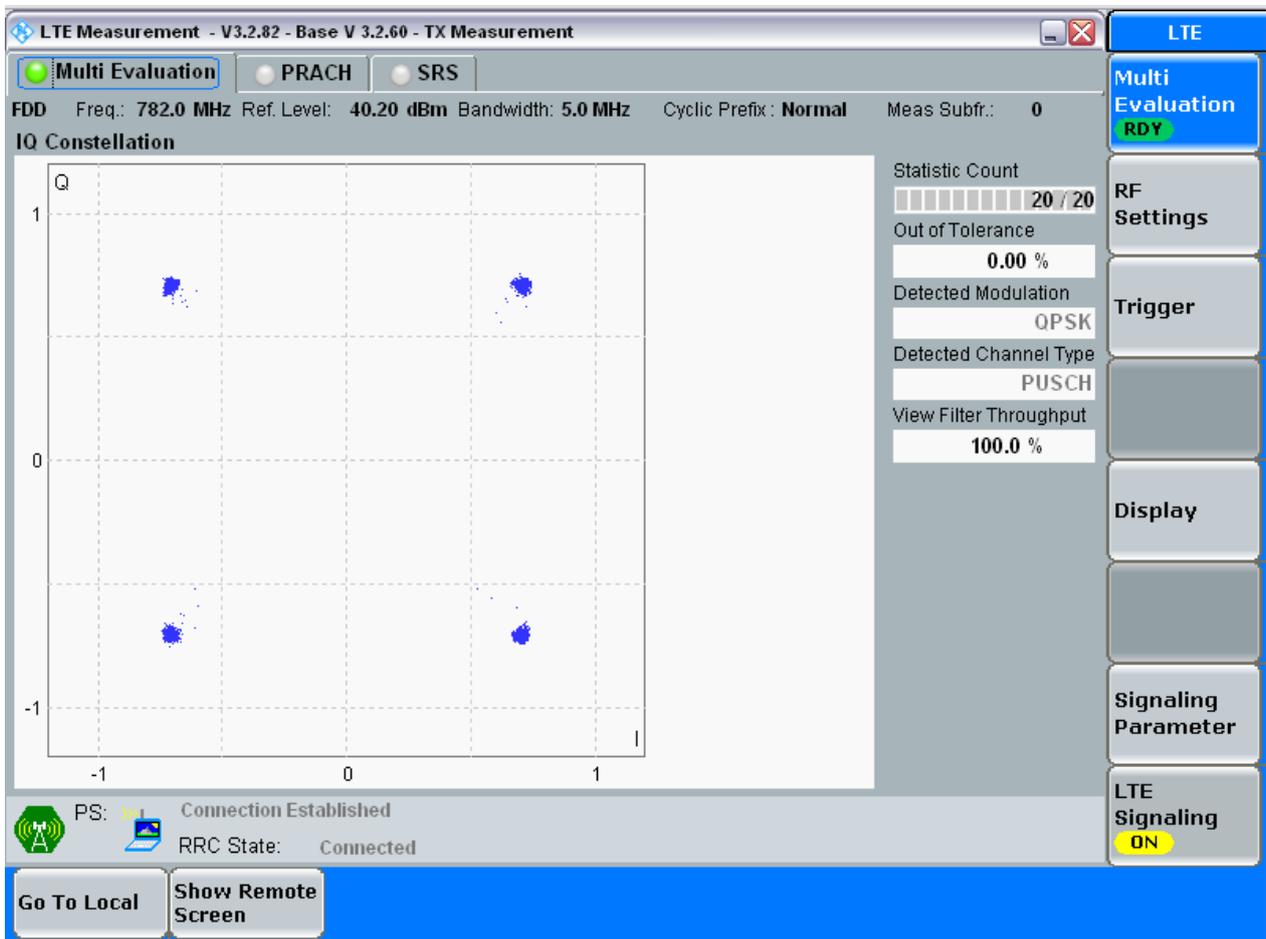
3.2.1.1.2 Test Bandwidth = 10

3.2.1.1.2.1 Test Channel = MCH

3.2.1.1.2.1.1 Test RB = RB50#0
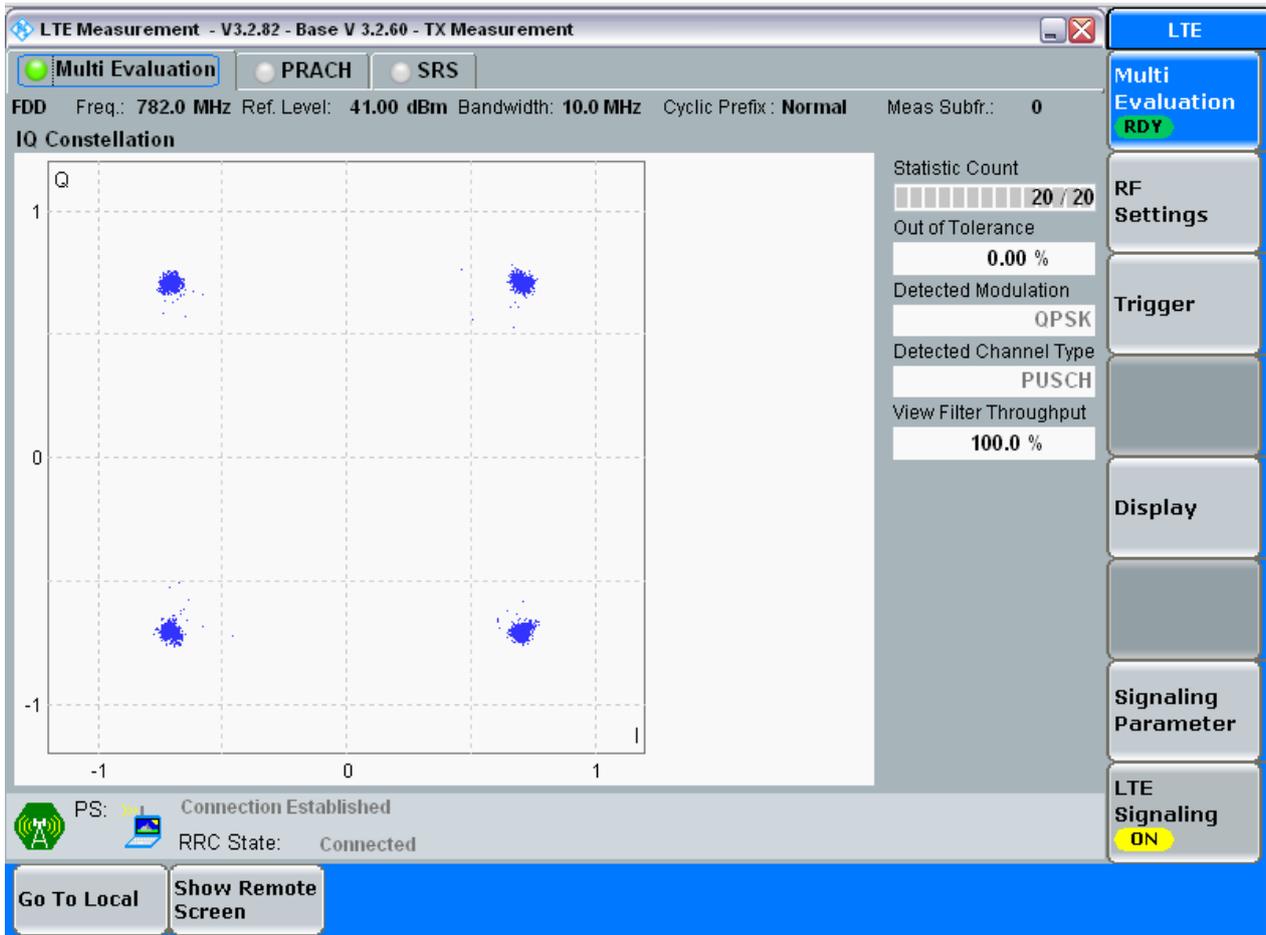
3.2.1.2 Test Mode = LTE/TM2

3.2.1.2.1 Test Bandwidth = 5

3.2.1.2.1.1 Test Channel = MCH

3.2.1.2.1.1.1 Test RB = RB25#0
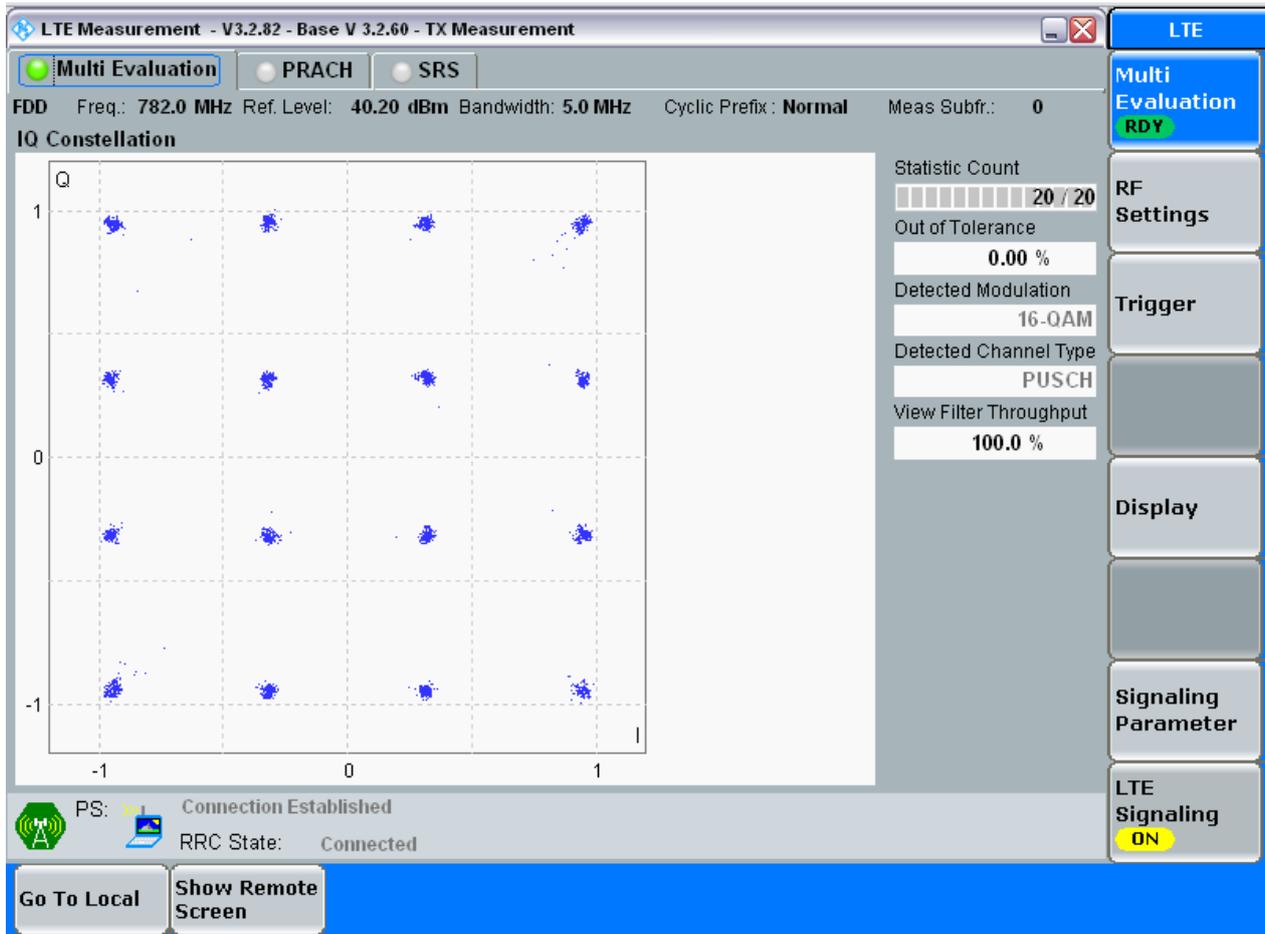
3.2.1.2.2 Test Bandwidth = 10

3.2.1.2.2.1 Test Channel = MCH

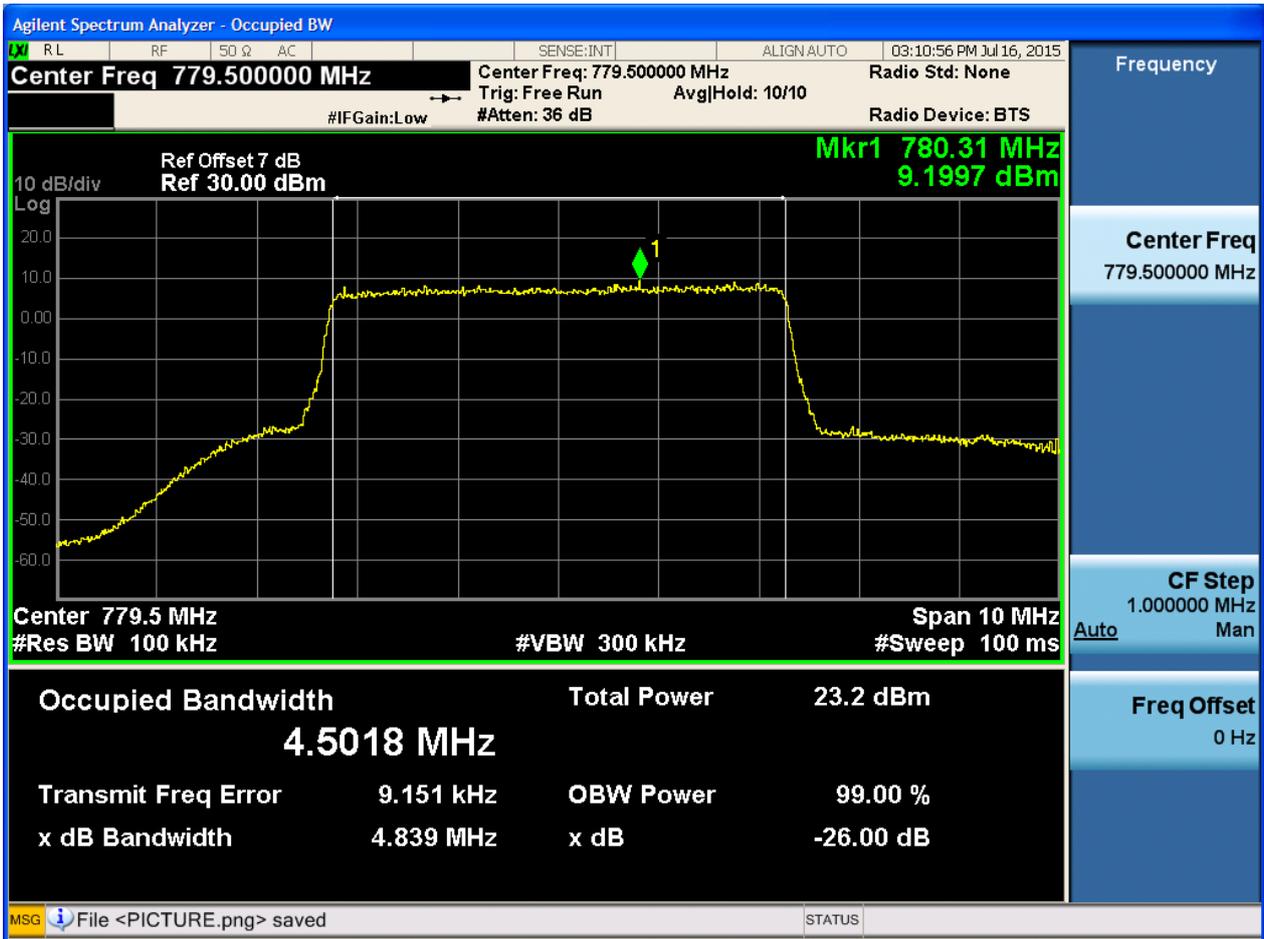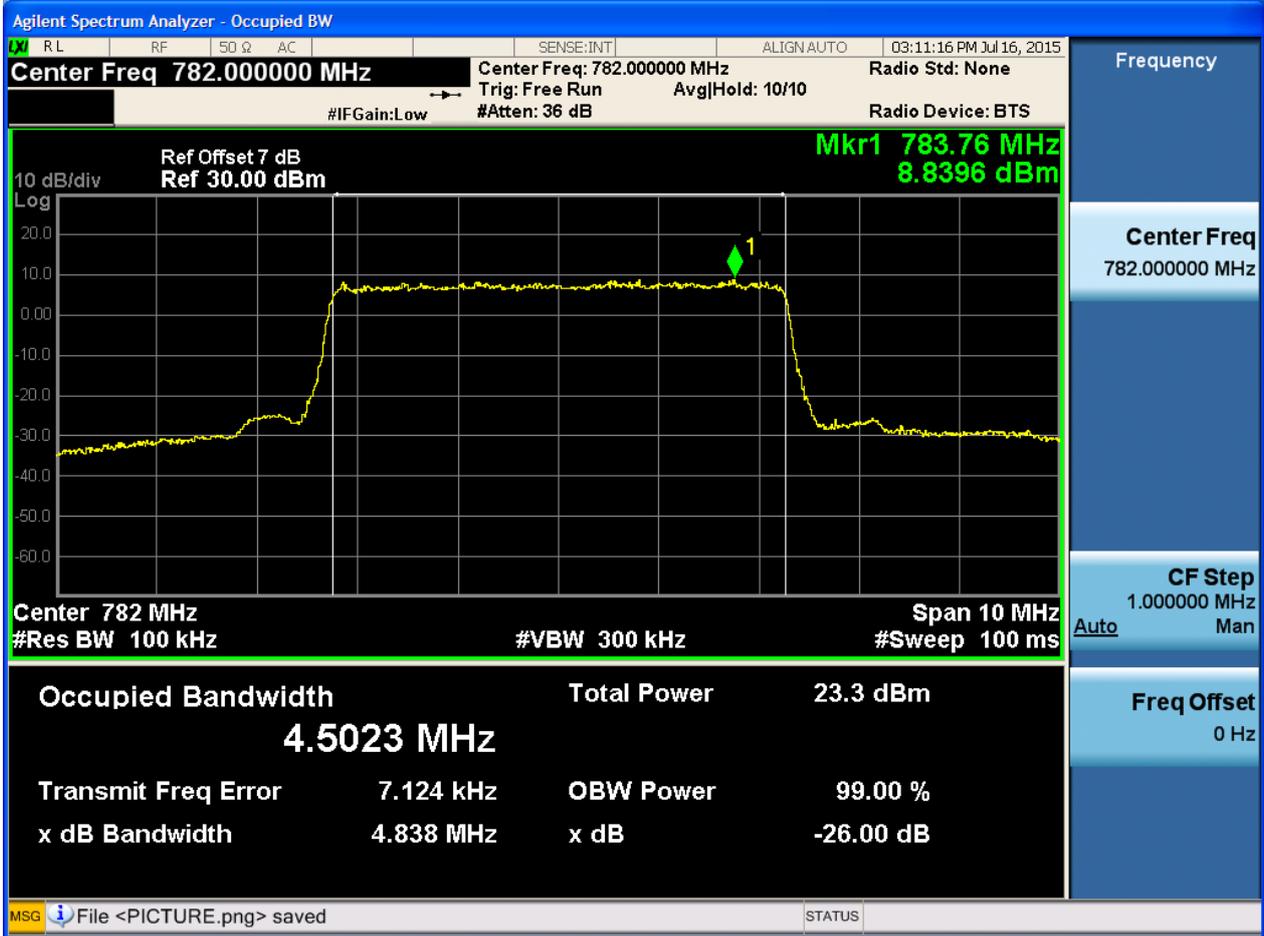### 3.2.1.2.2.1.1 Test RB = RB50#0
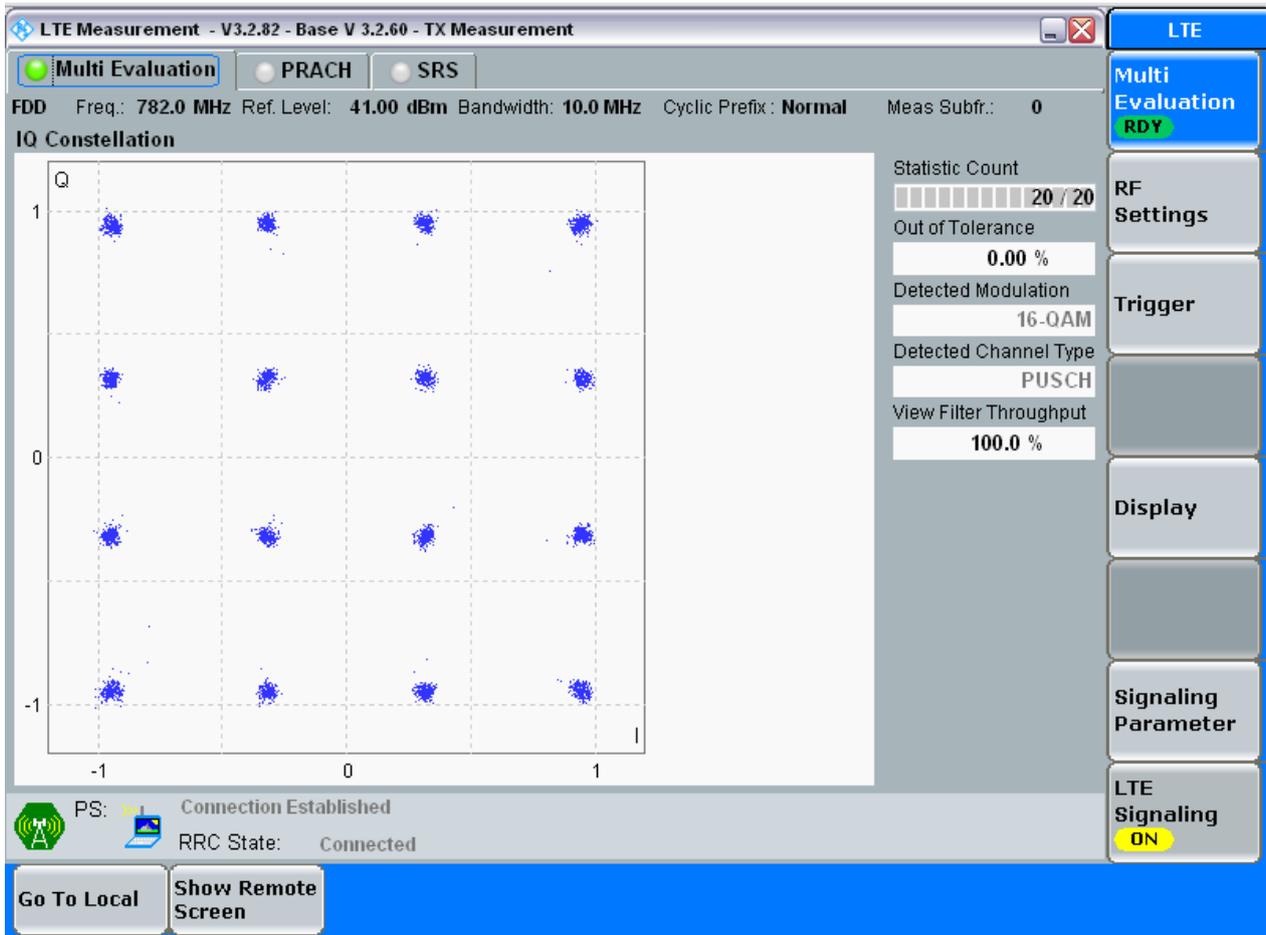
4Appendix_D: Bandwidth

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	1.09	1.22	Pass
		1.4	MCH	RB6#0	1.09	1.22	Pass
		1.4	HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
		3	MCH	RB15#0	2.70	2.94	Pass
		3	HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.50	4.86	Pass
		5	MCH	RB25#0	4.50	4.88	Pass
		5	HCH	RB25#0	4.50	4.87	Pass
		10	LCH	RB50#0	9.00	9.57	Pass
		10	MCH	RB50#0	8.98	9.58	Pass
		10	HCH	RB50#0	8.98	9.56	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.22	Pass
		1.4	MCH	RB6#0	1.09	1.23	Pass
		1.4	HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.70	2.95	Pass
		3	MCH	RB15#0	2.70	2.94	Pass
		3	HCH	RB15#0	2.70	2.95	Pass
		5	LCH	RB25#0	4.50	4.85	Pass
		5	MCH	RB25#0	4.50	4.86	Pass
		5	HCH	RB25#0	4.50	4.85	Pass
		10	LCH	RB50#0	8.99	9.58	Pass
		10	MCH	RB50#0	8.97	9.58	Pass
		10	HCH	RB50#0	8.97	9.57	Pass
Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND13	LTE/TM1	5	LCH	RB25#0	4.49	4.84	Pass
		5	MCH	RB25#0	4.50	4.84	Pass
		5	HCH	RB25#0	4.50	4.86	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		10	LCH	RB50#0	8.97	9.60	Pass
			MCH	RB50#0	8.98	9.59	Pass
			HCH	RB50#0	8.98	9.59	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.84	Pass
			MCH	RB25#0	4.50	4.84	Pass
			HCH	RB25#0	4.50	4.85	Pass
		10	LCH	RB50#0	8.97	9.54	Pass
			MCH	RB50#0	8.96	9.55	Pass
			HCH	RB50#0	8.97	9.55	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

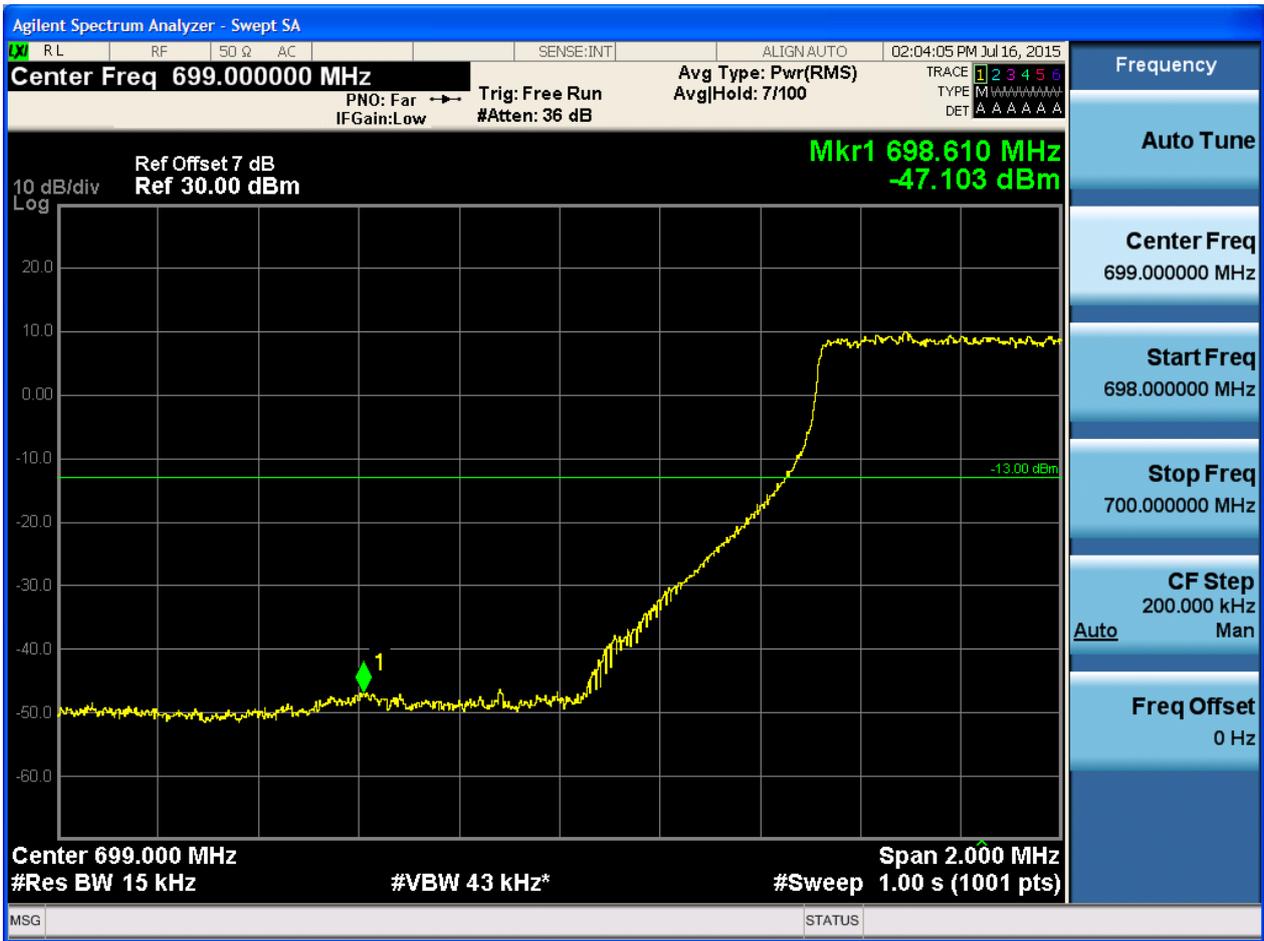**4.1.1.1.1.1.1 Test RB = RB6#0**
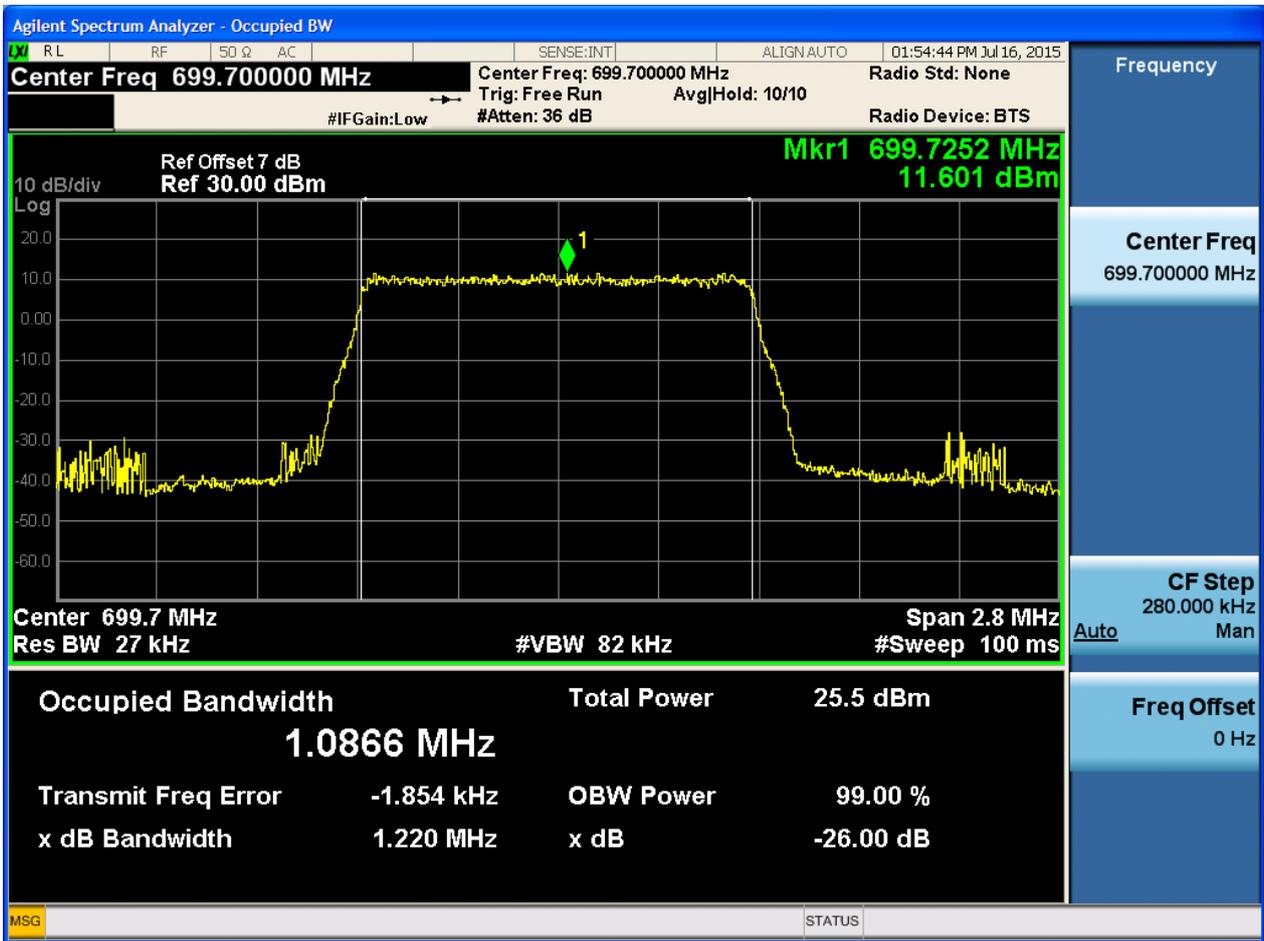
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0

Agilent Spectrum Analyzer - Occupied BW

LXI R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   01:55:05 PM Jul 16, 2015

Center Freq 707.500000 MHz   Center Freq: 707.500000 MHz   Radio Std: None

                         #IFGain:Low   Trig: Free Run   Avg|Hold: 10/10
                                             #Atten: 36 dB   Radio Device: BTS

Ref Offset 7 dB   Mkr1 707.4664 MHz
10 dB/div   **Ref 30.00 dBm**   11.780 dBm
Log

Center 707.5 MHz   Span 2.8 MHz
Res BW 27 kHz   #VBW 82 kHz   #Sweep 100 ms

Occupied Bandwidth   Total Power   25.5 dBm
             1.0859 MHz

Transmit Freq Error   -1.768 kHz   OBW Power   99.00 %
x dB Bandwidth   1.224 MHz   x dB   -26.00 dB

MSG File <PICTURE.png> saved   STATUS

Frequency

Center Freq
707.500000 MHz

CF Step
280.000 kHz
Auto   Man

Freq Offset
0 Hz

4.1.1.1.1.3 Test Channel = HCH

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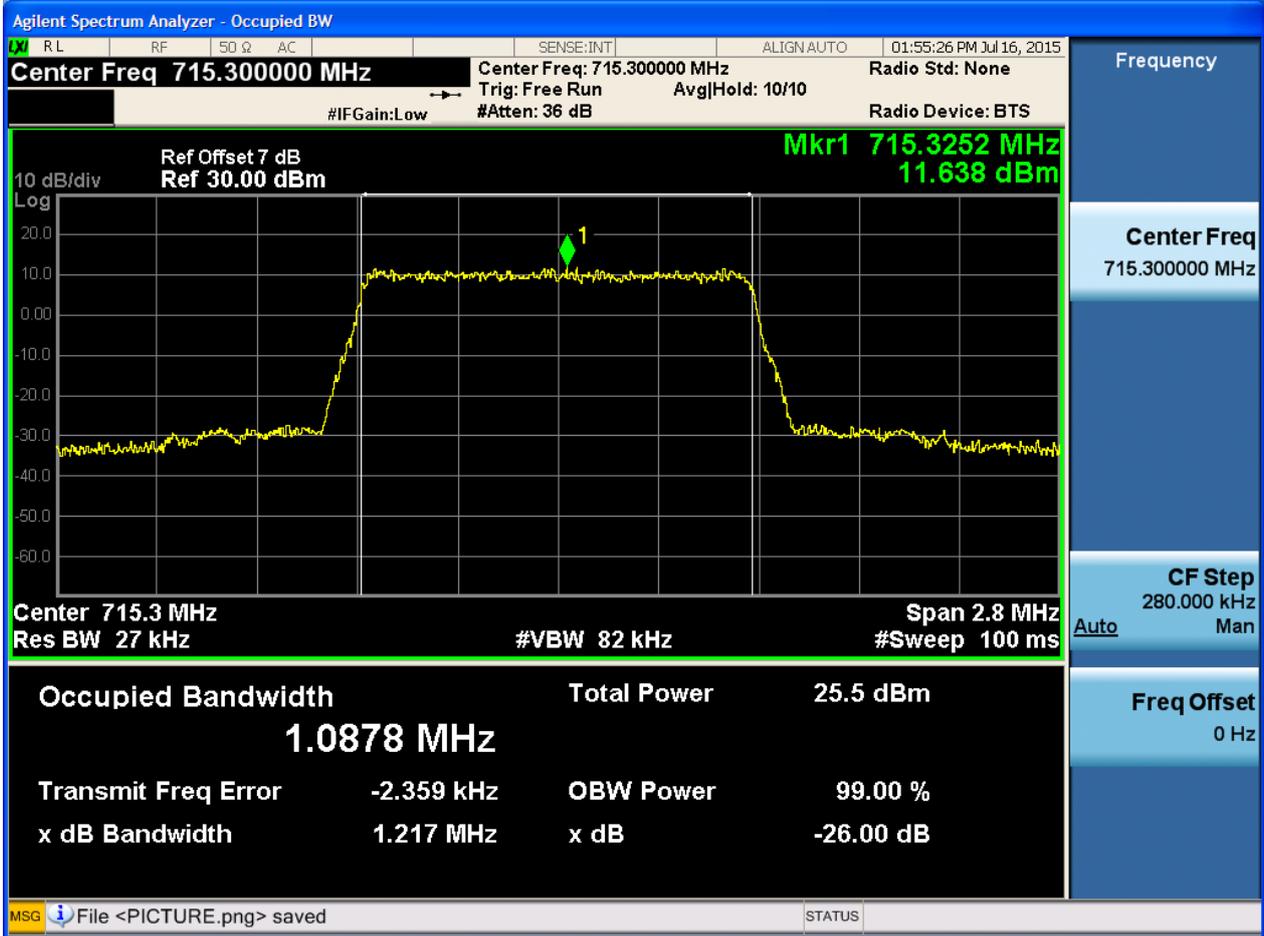
4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

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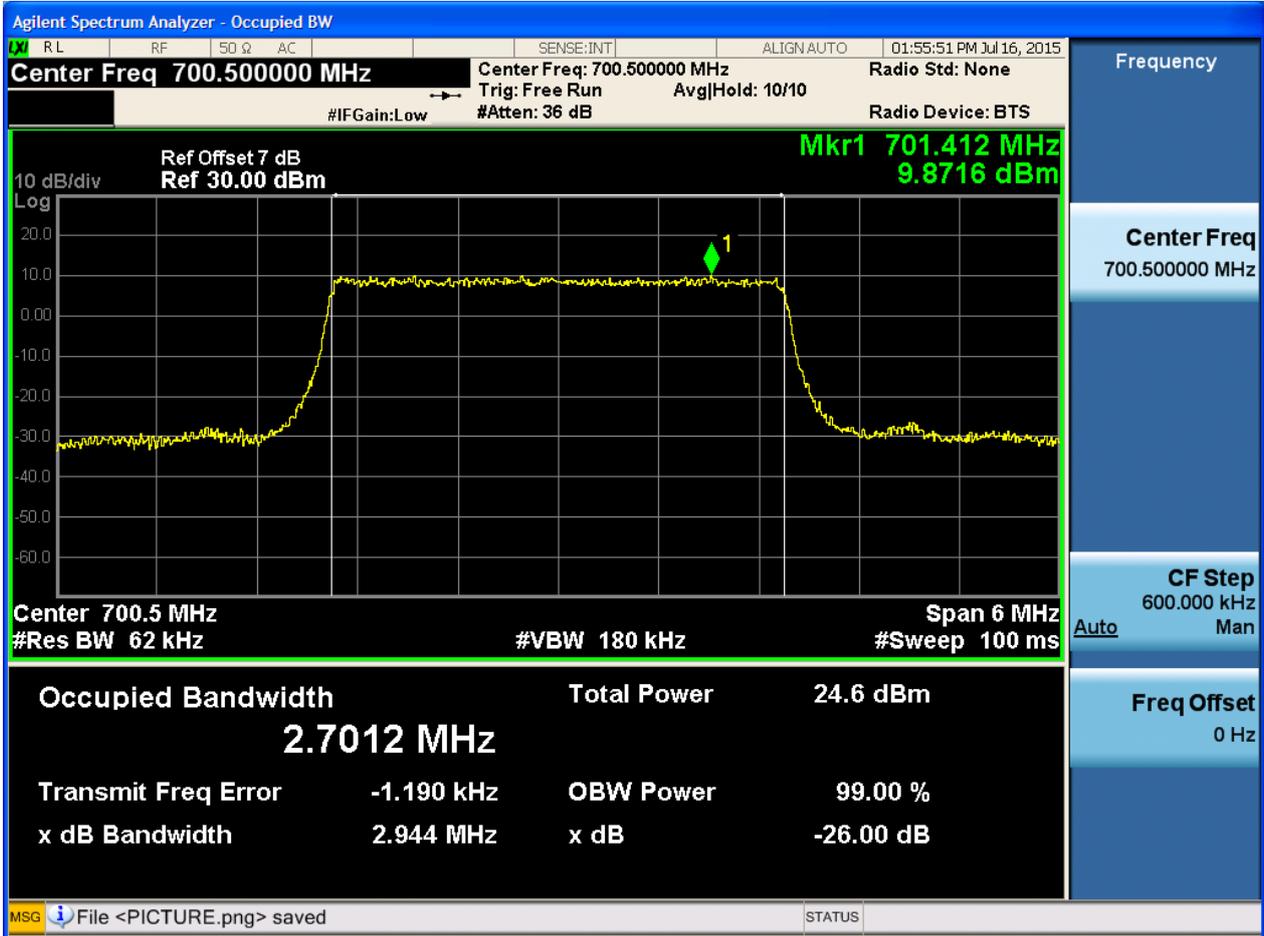
4.1.1.1.2.2 Test Channel = MCH

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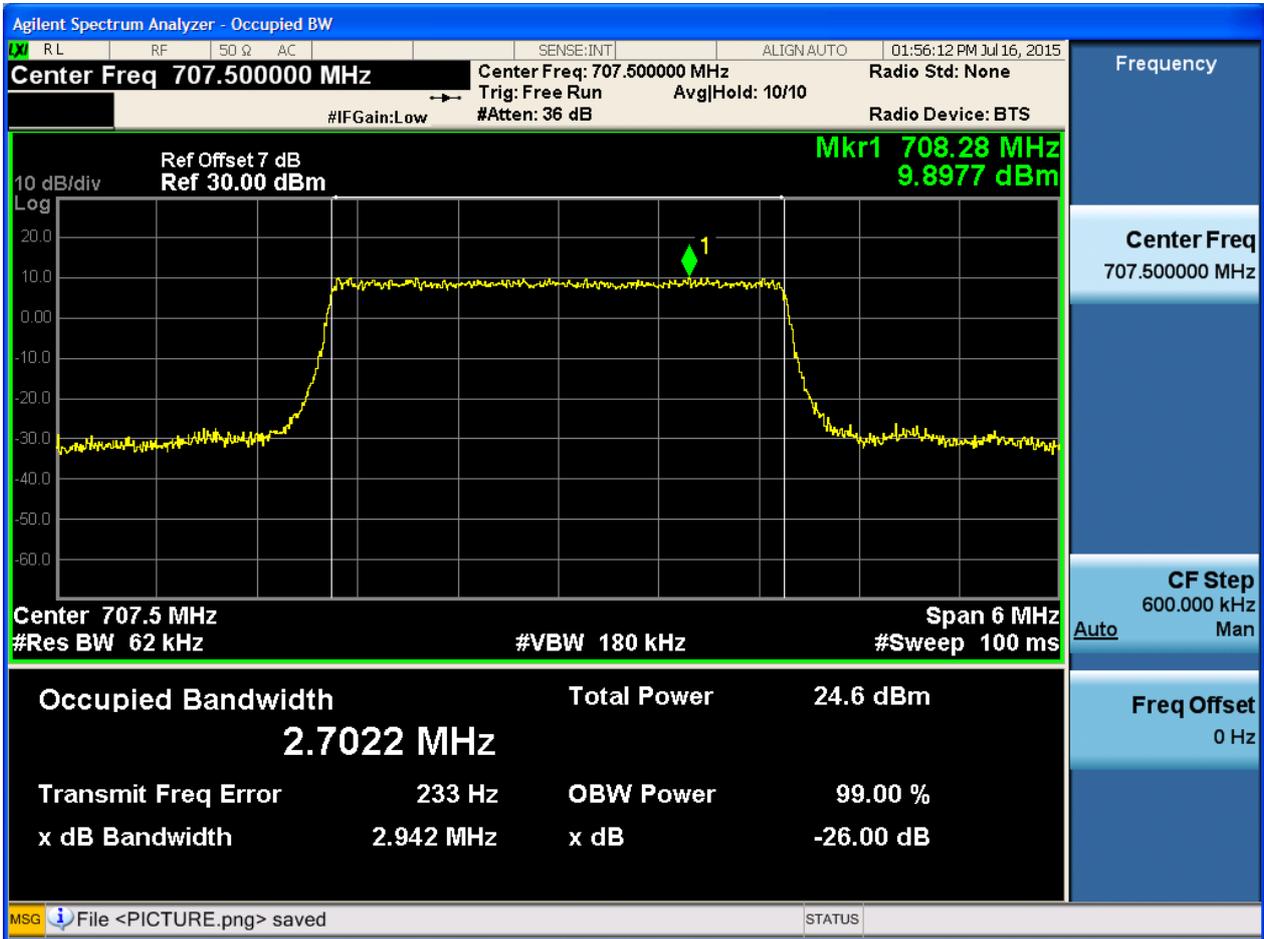
4.1.1.1.2.3 Test Channel = HCH

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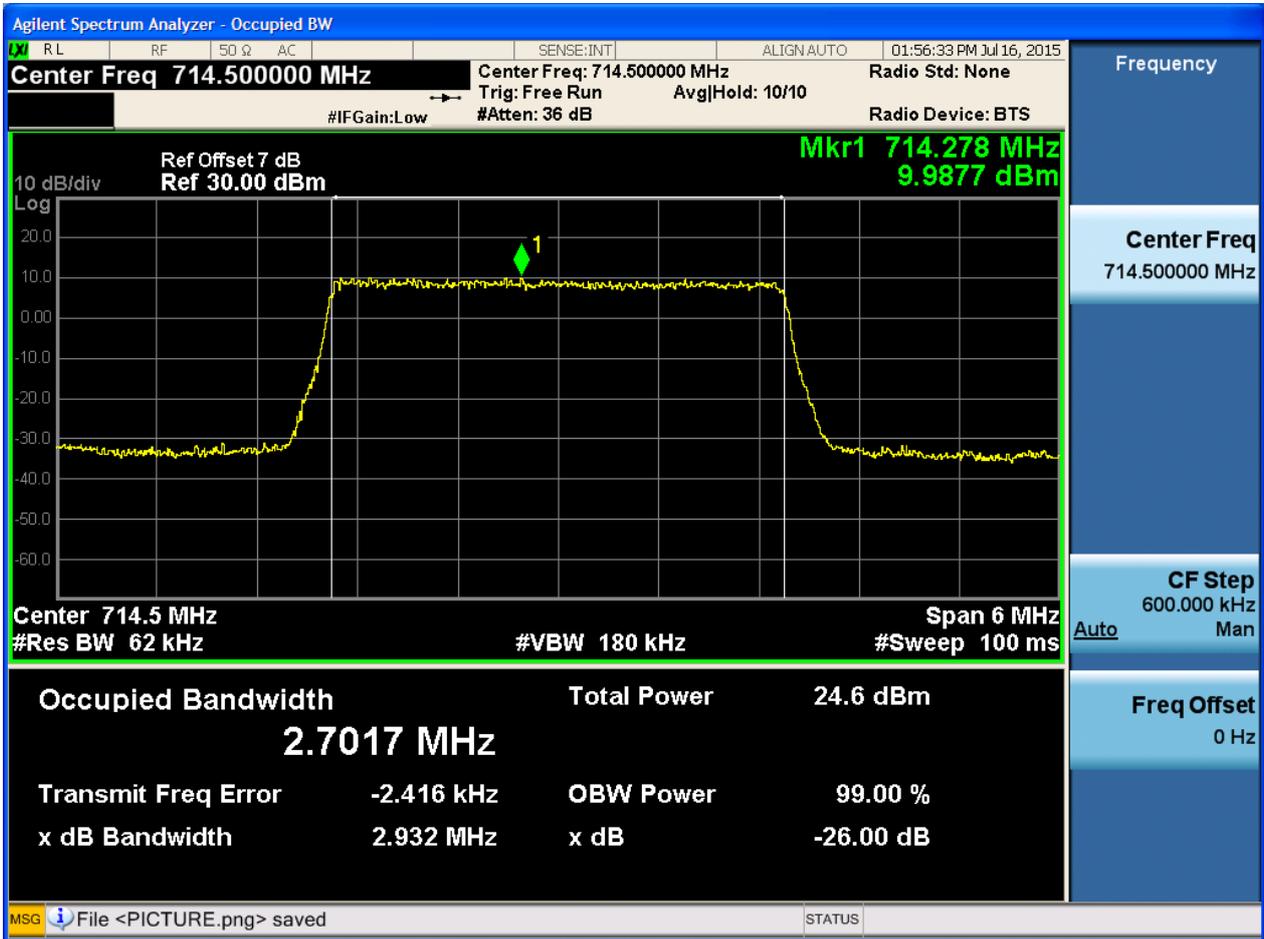
4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0
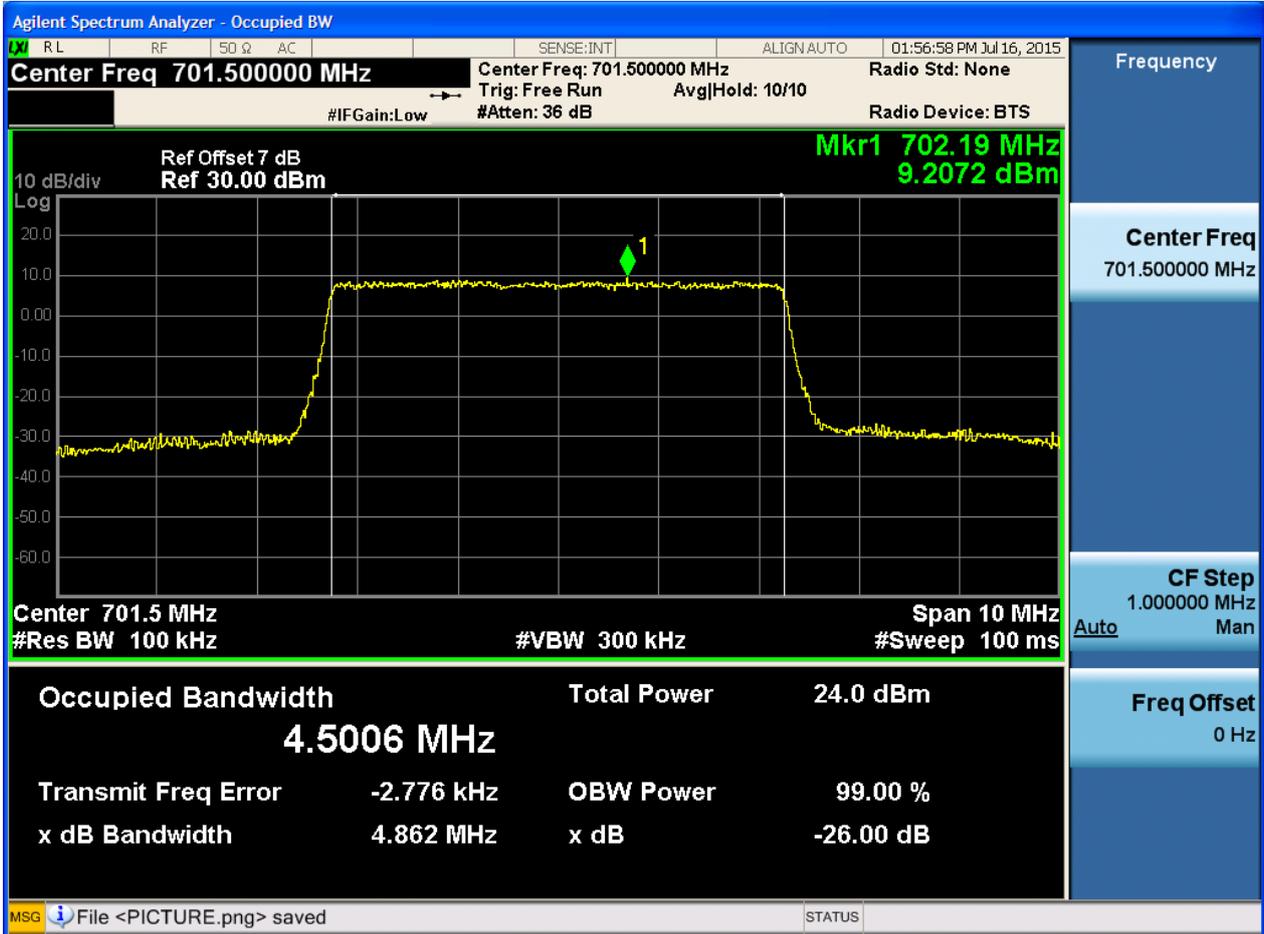
4.1.1.1.3.2 Test Channel = MCH

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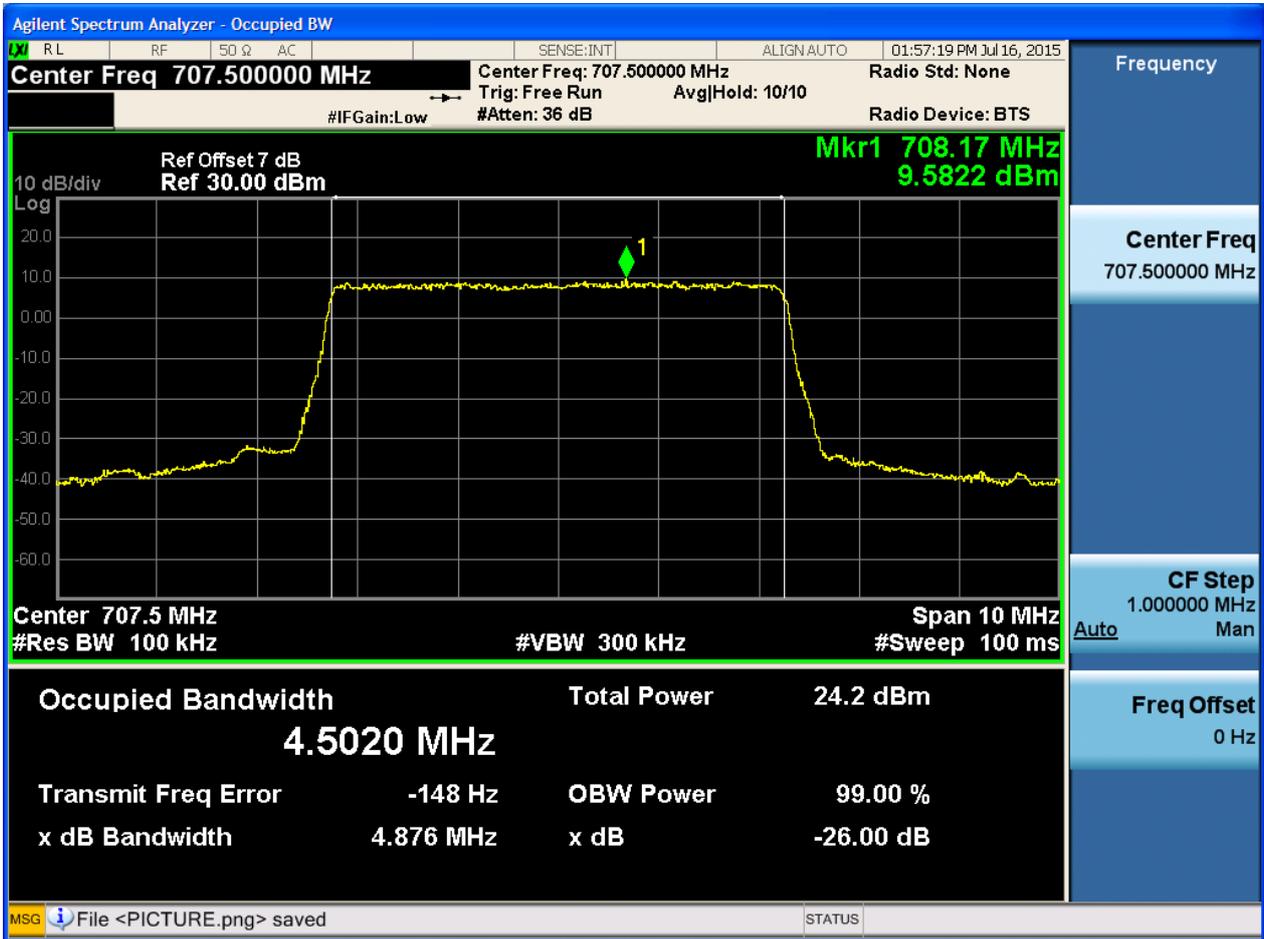
4.1.1.1.3.3 Test Channel = HCH

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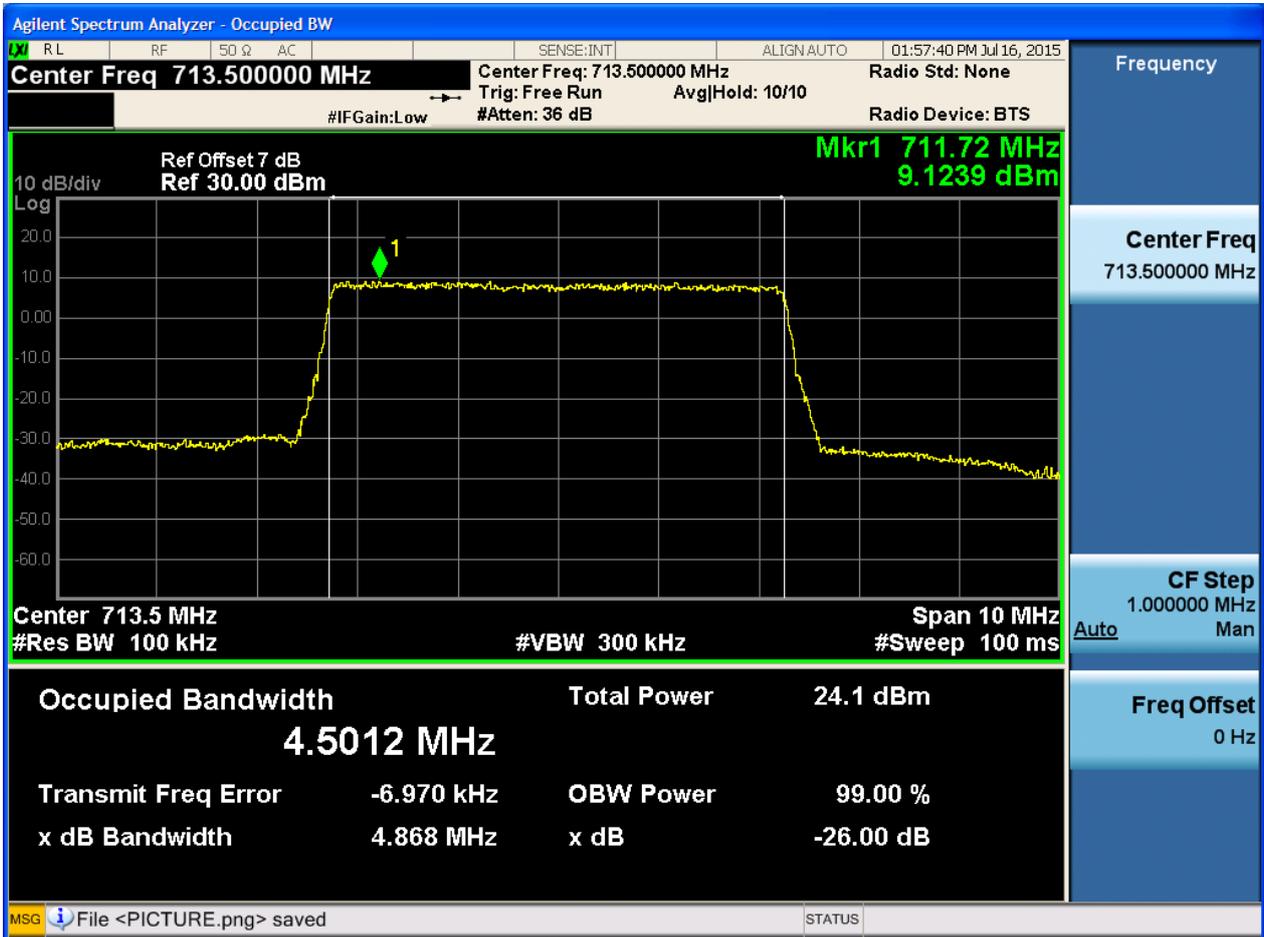
4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0
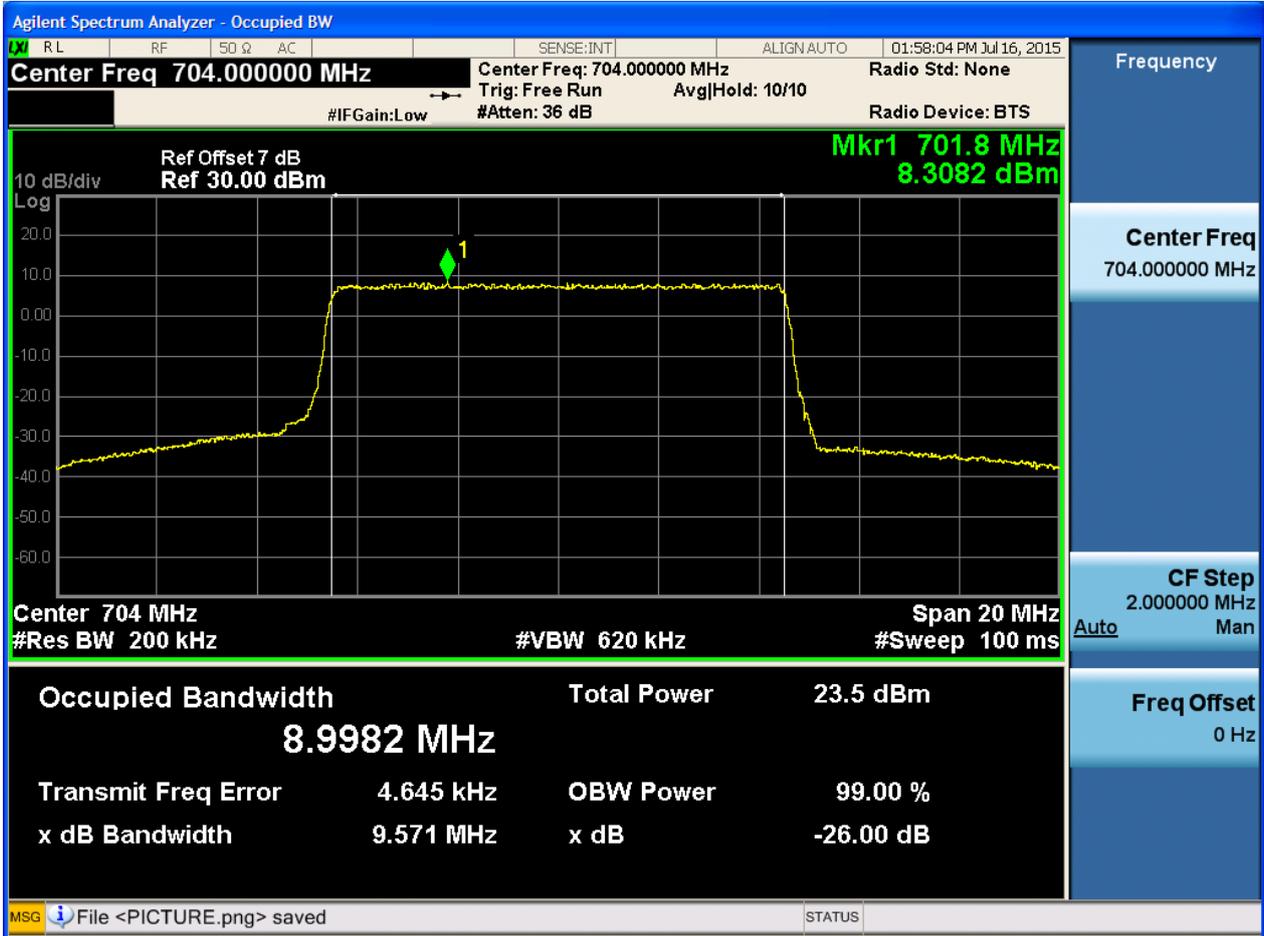
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0
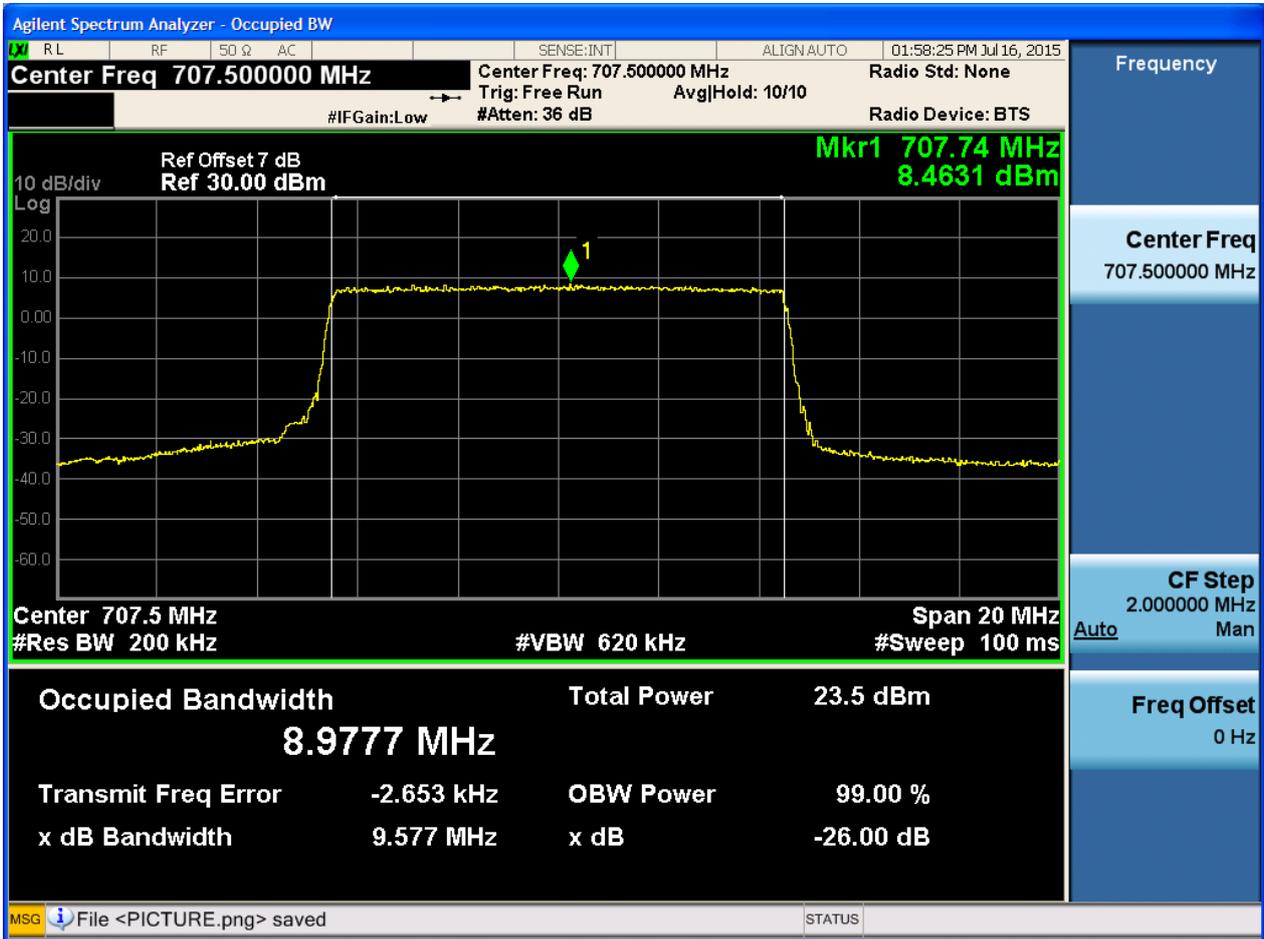
4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0
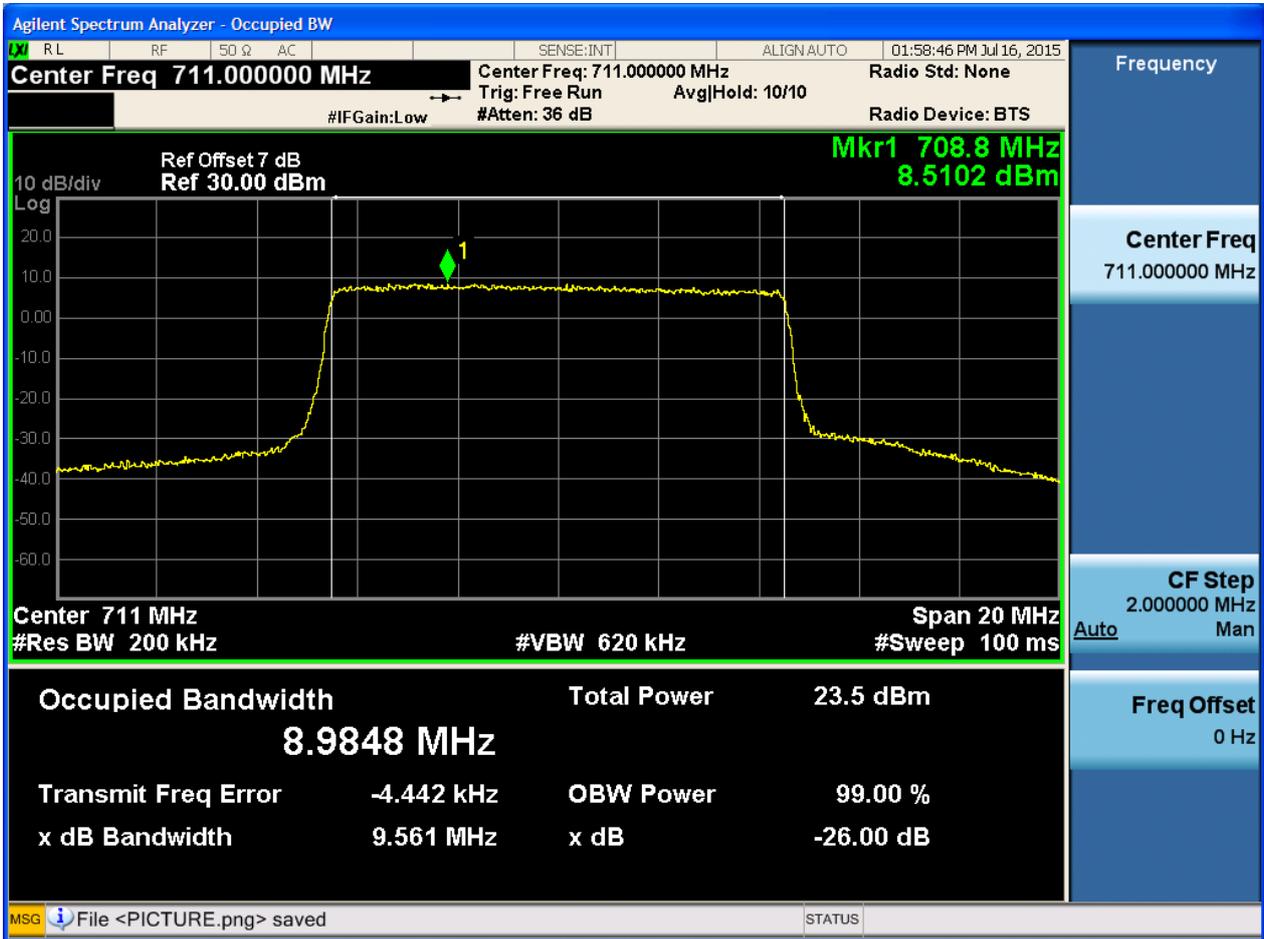
4.1.1.2 Test Mode = LTE/TM2

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
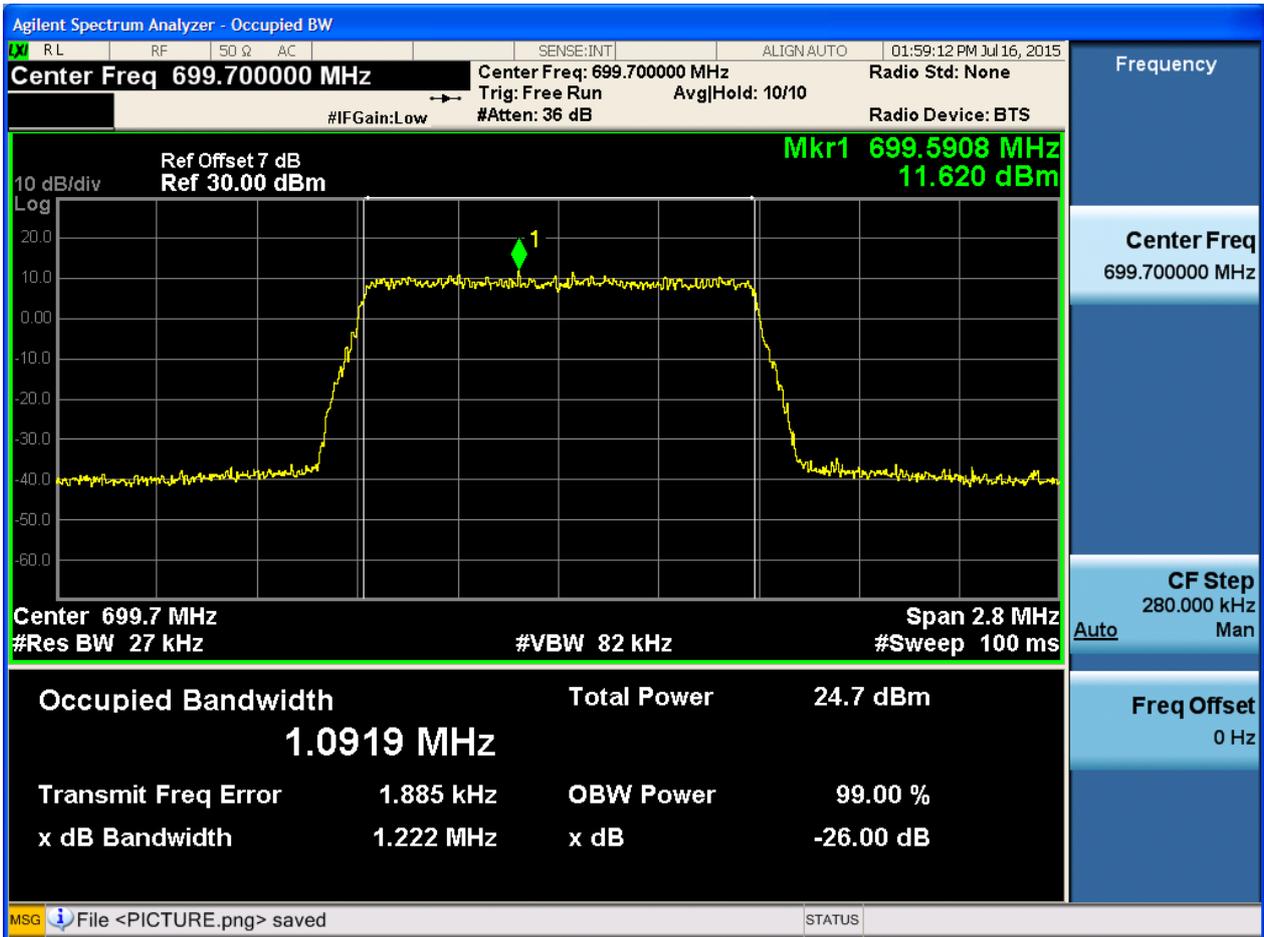
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0

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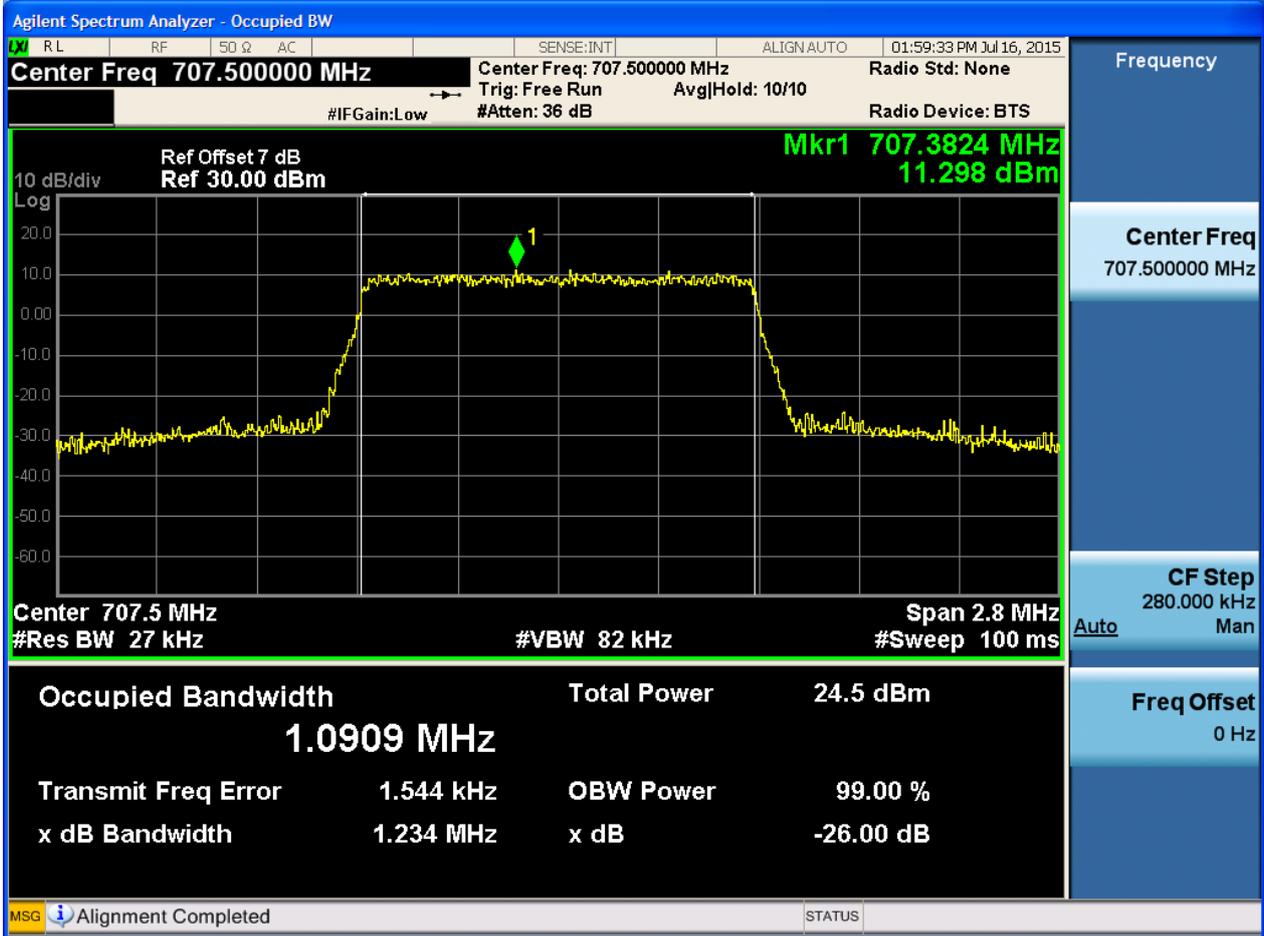
4.1.1.2.1.3 Test Channel = HCH

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
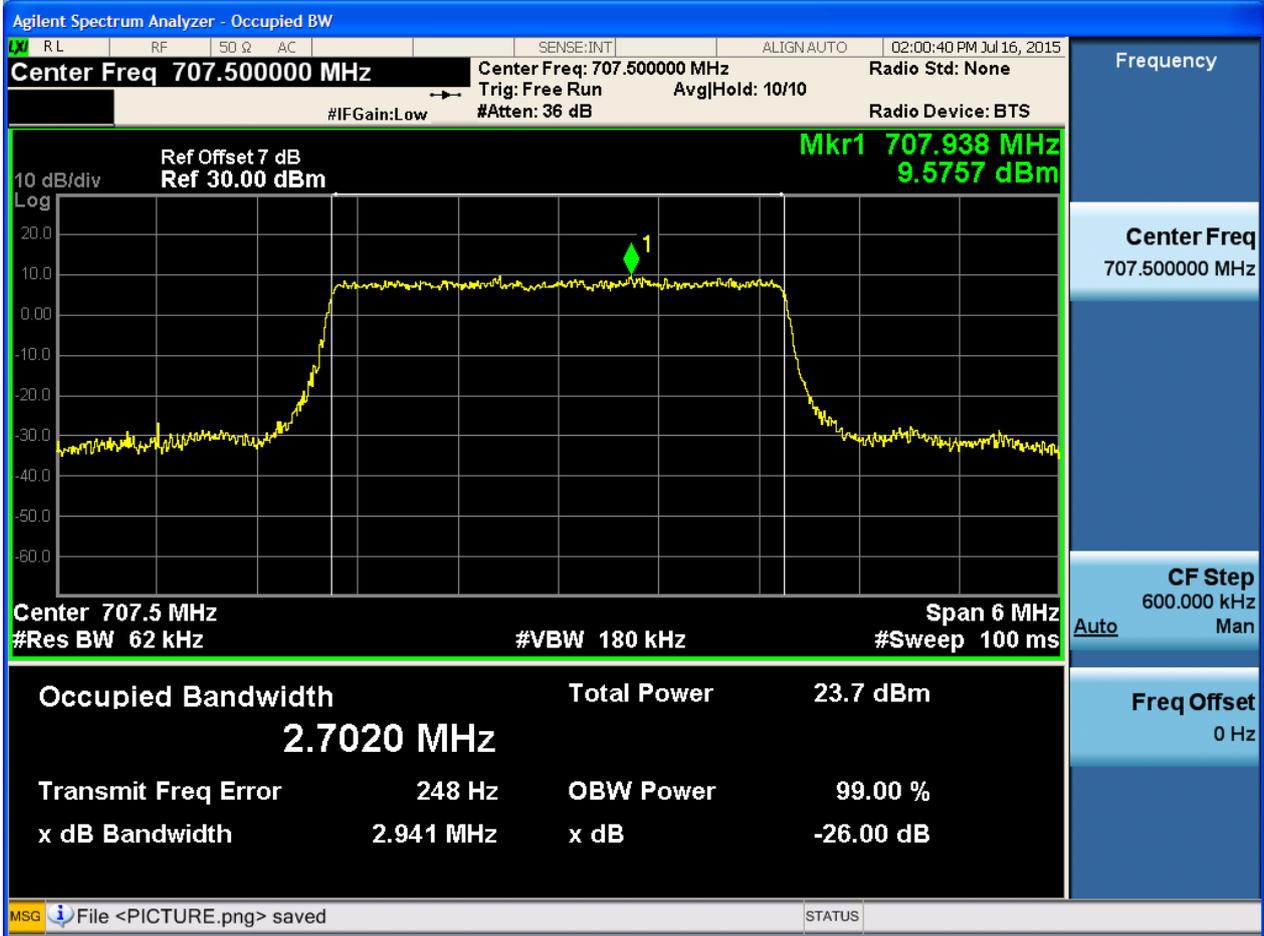
4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0
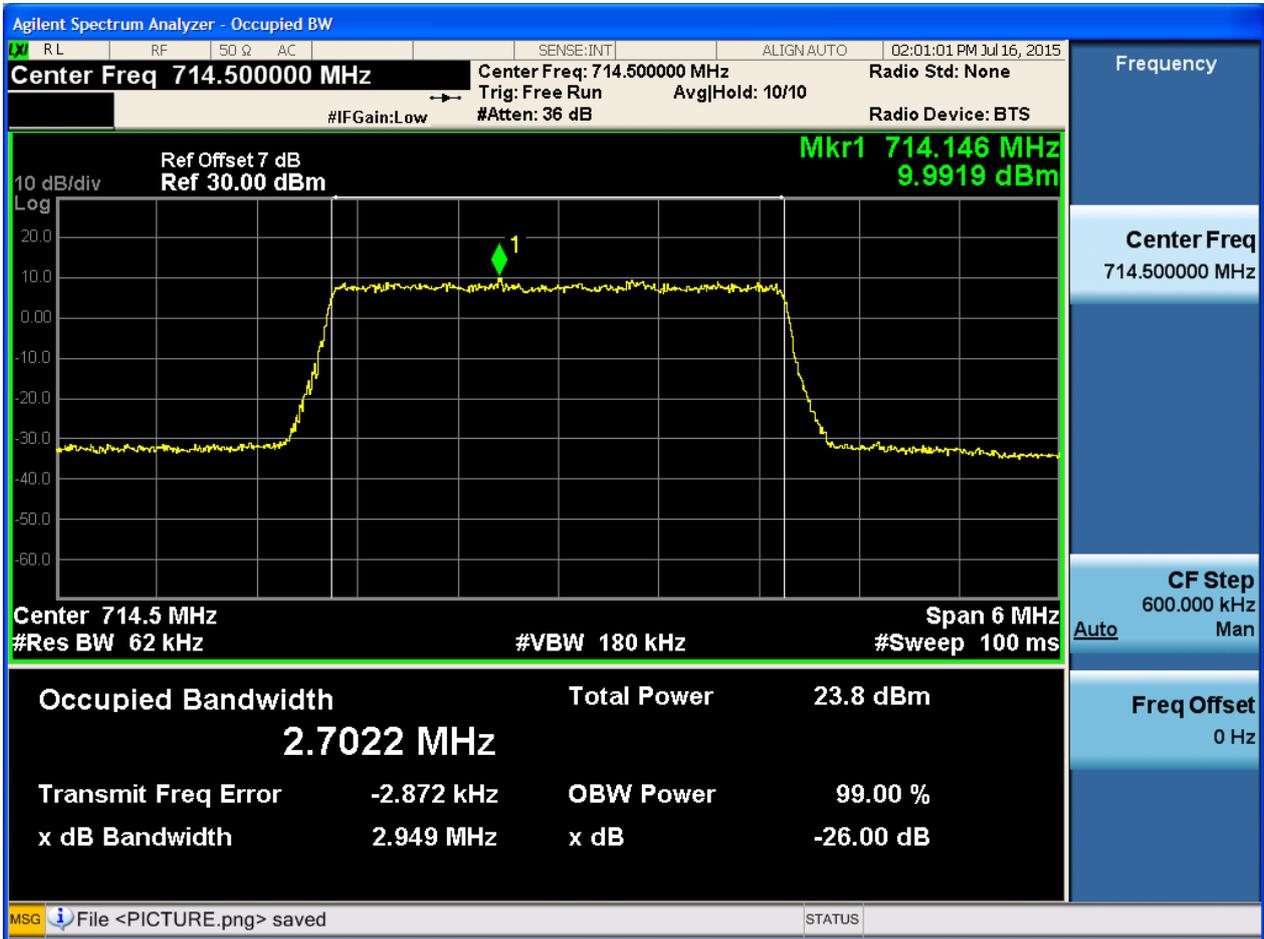
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

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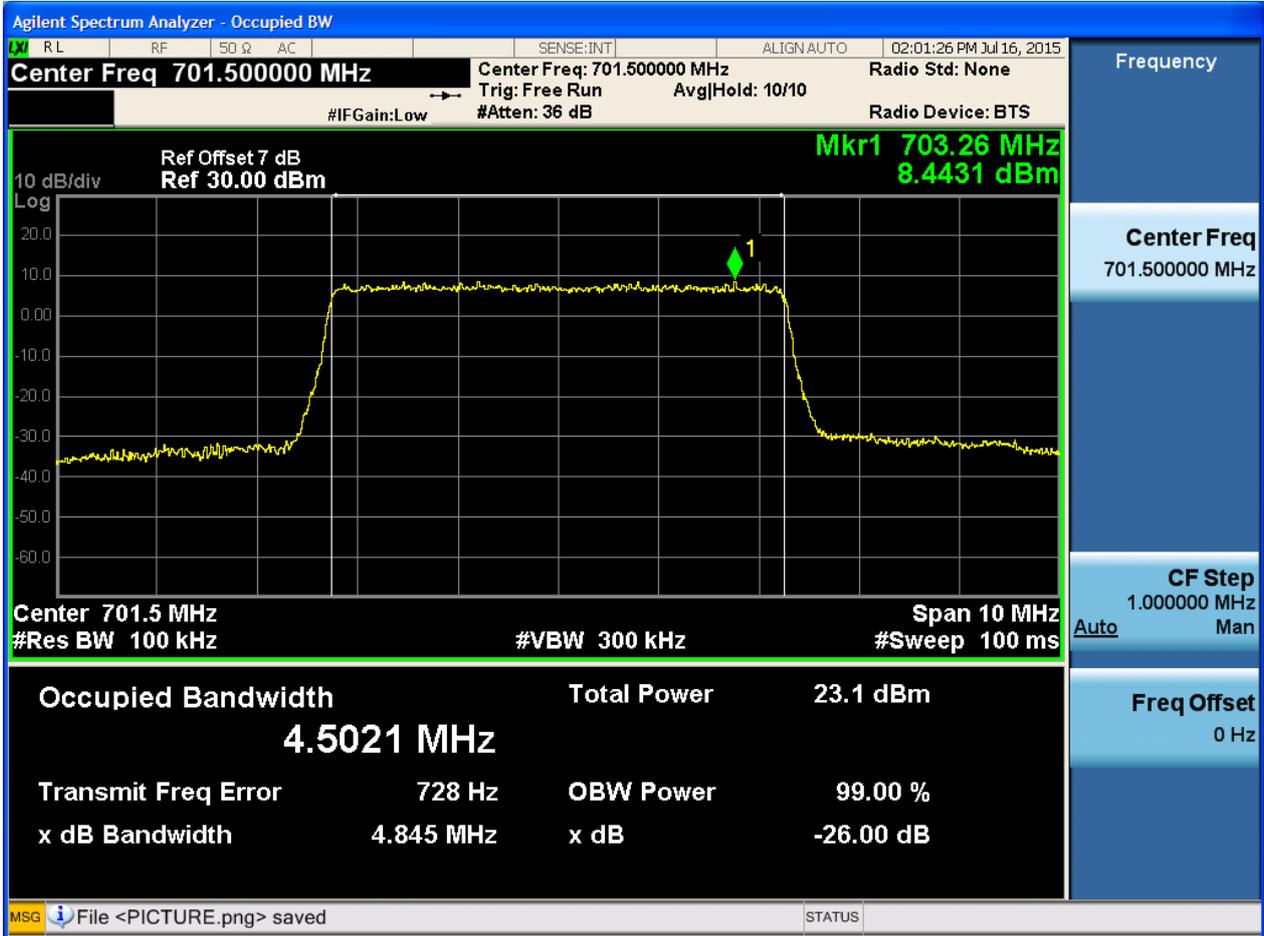
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0
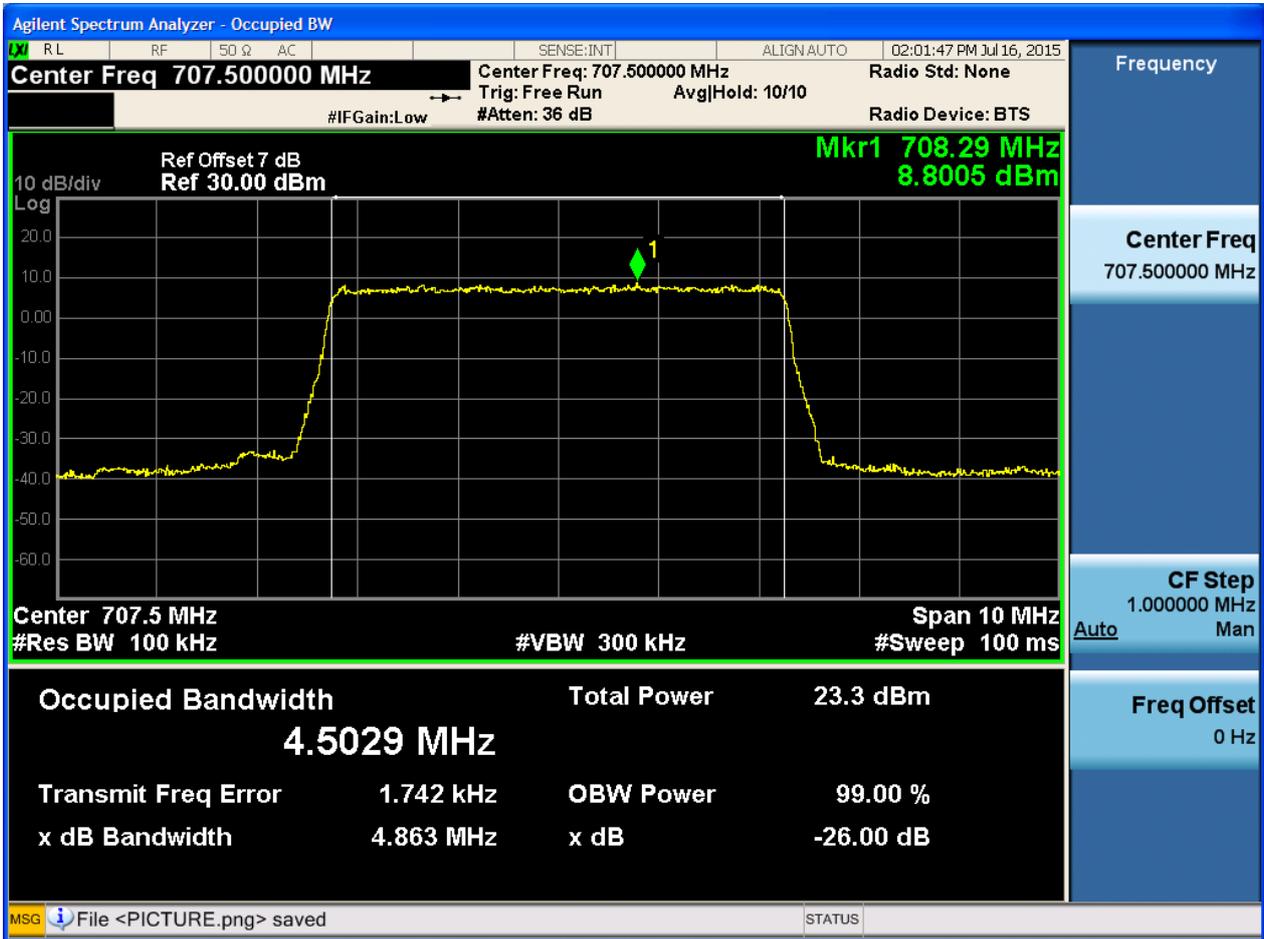
4.1.1.2.3.3 Test Channel = HCH

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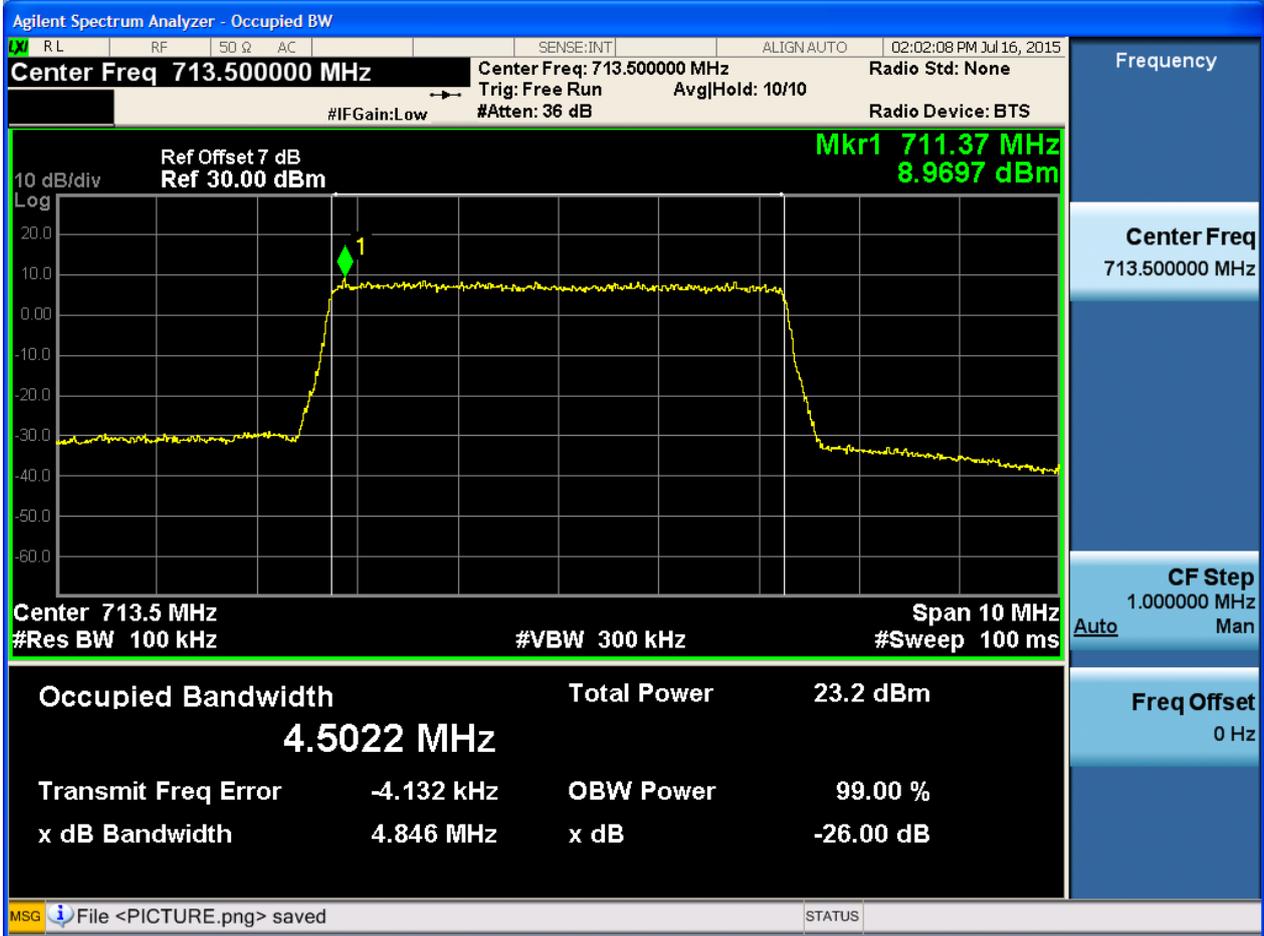
4.1.1.2.4 Test Bandwidth = 10

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
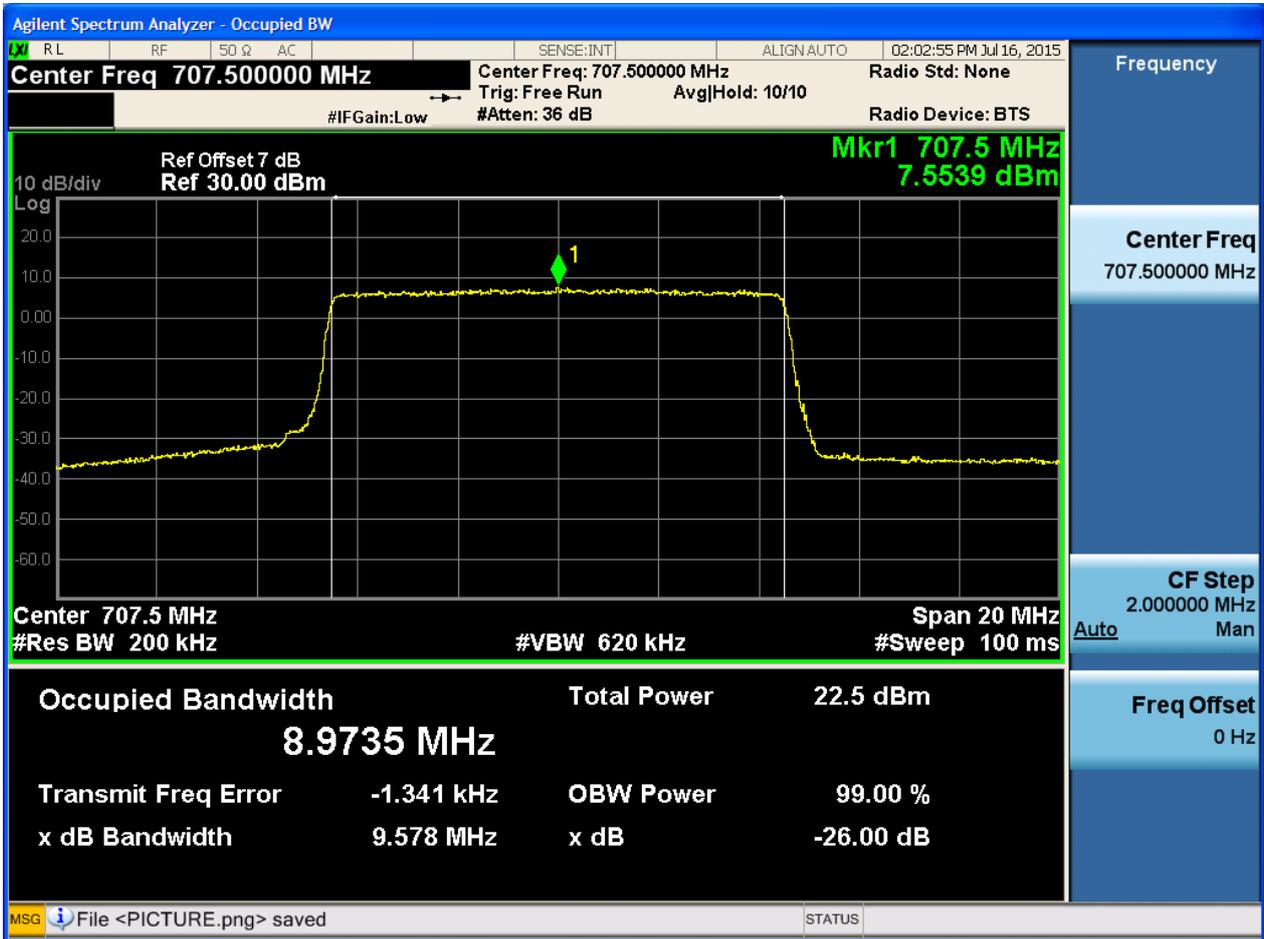
4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0
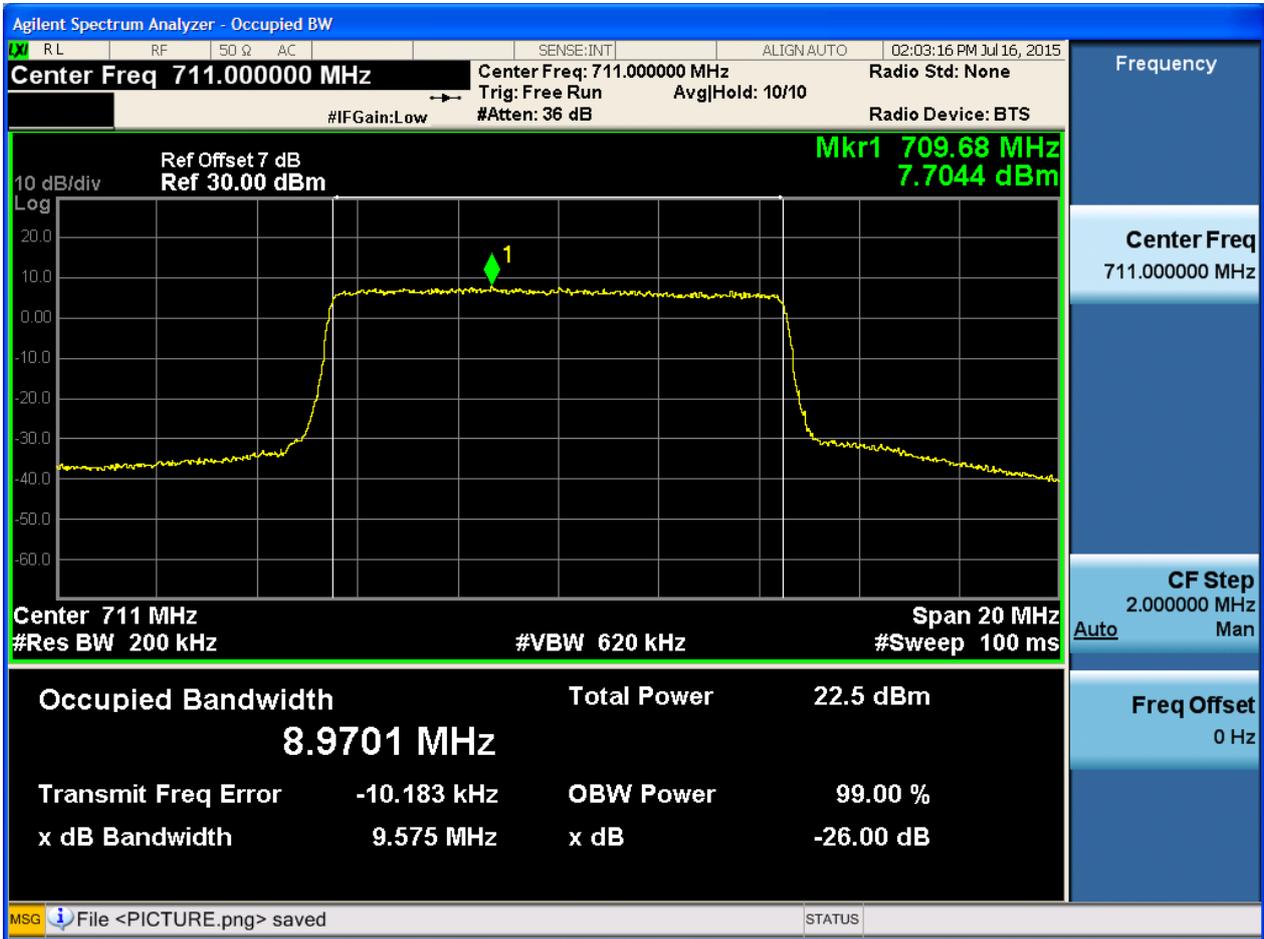
4.2 For LTE

4.2.1 Test Band = BAND13

4.2.1.1 Test Mode = LTE/TM1

4.2.1.1.1 Test Bandwidth = 5

4.2.1.1.1.1 Test Channel = LCH

4.2.1.1.1.1.1 Test RB = RB25#0

4.2.1.1.1.2 Test Channel = MCH

4.2.1.1.1.2.1 Test RB = RB25#0
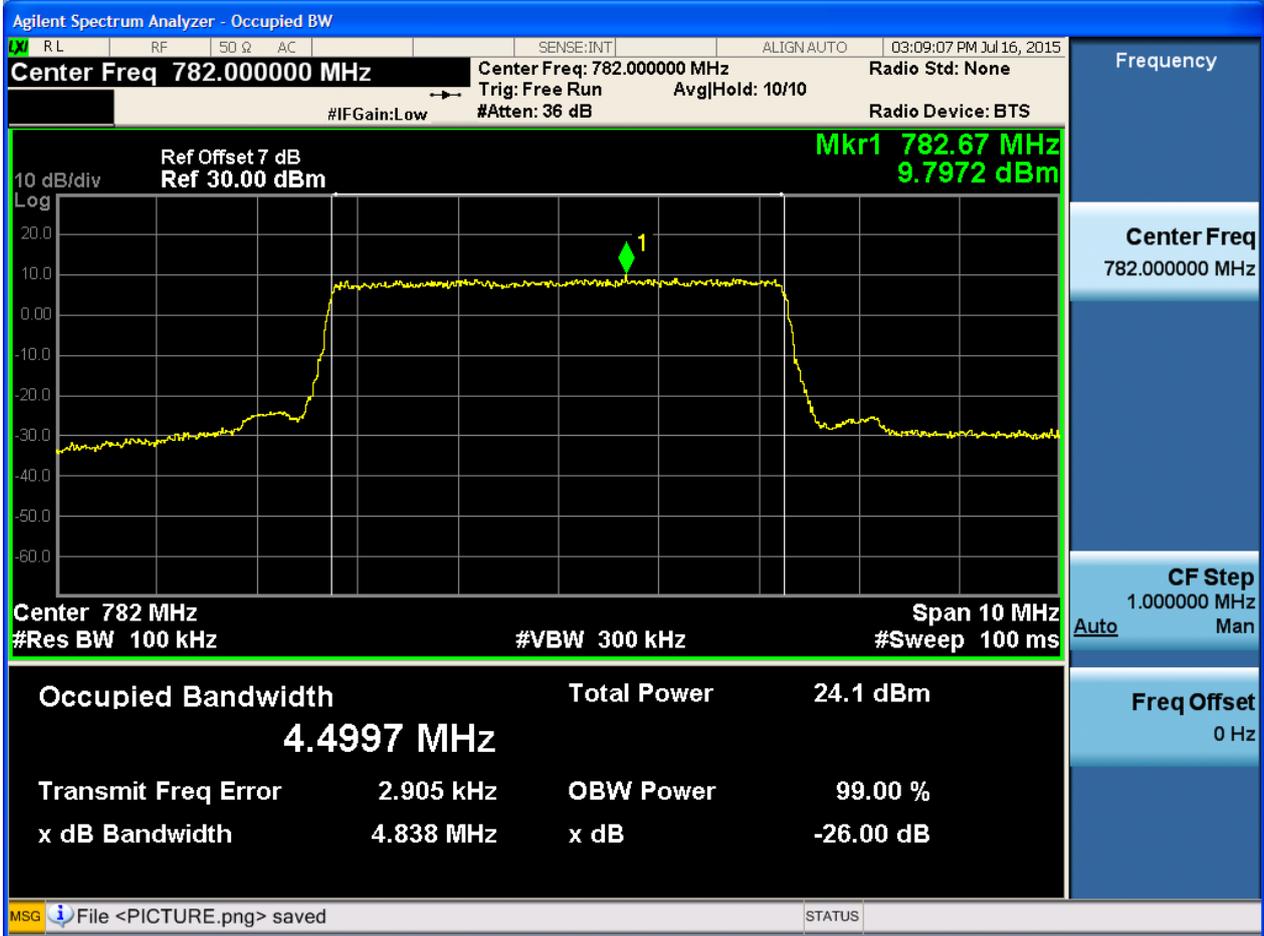
4.2.1.1.1.3 Test Channel = HCH

4.2.1.1.1.3.1 Test RB = RB25#0
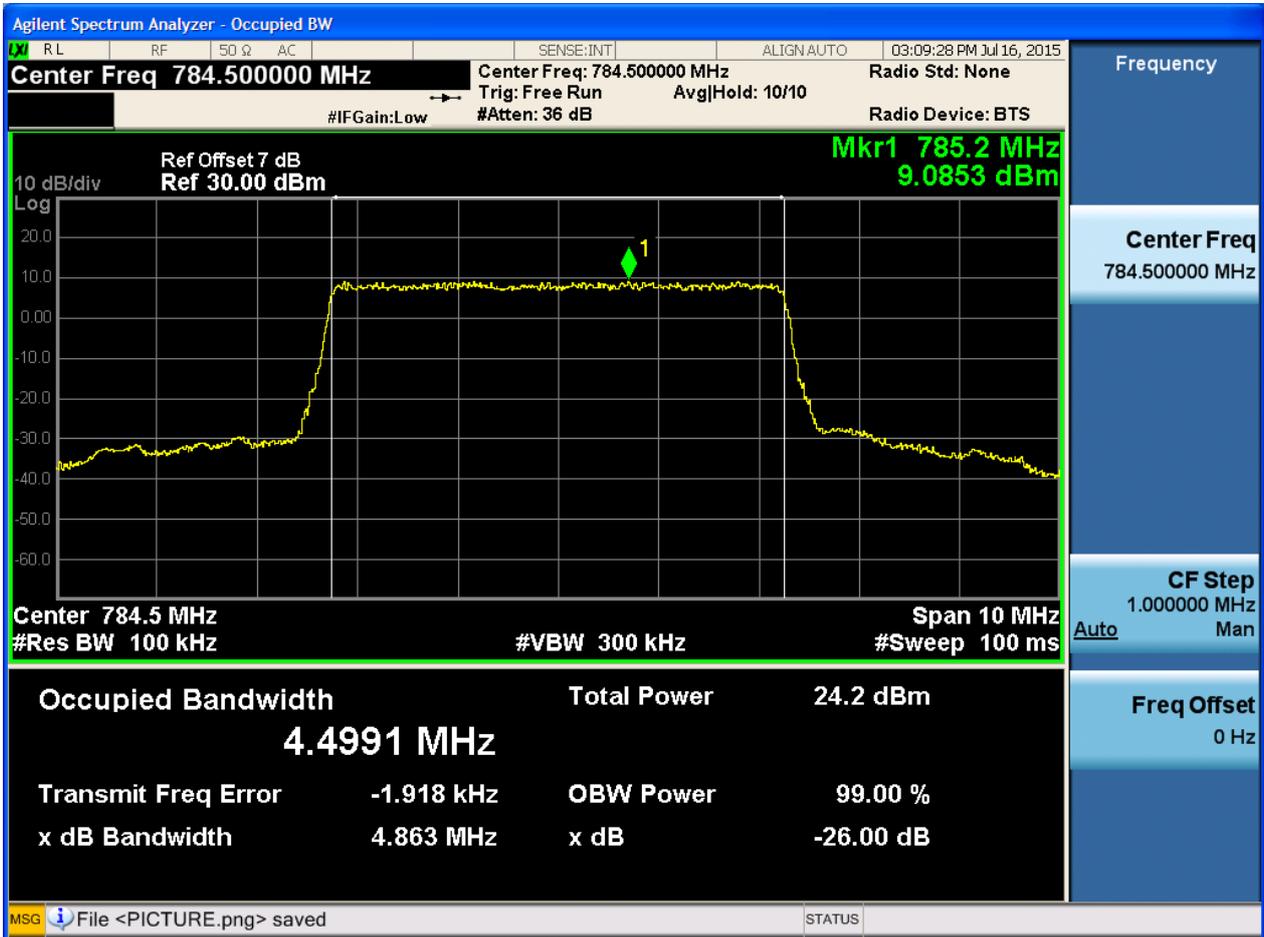
4.2.1.1.2 Test Bandwidth = 10

4.2.1.1.2.1 Test Channel = LCH

4.2.1.1.2.1.1 Test RB = RB50#0

4.2.1.1.2.2 Test Channel = MCH

4.2.1.1.2.2.1 Test RB = RB50#0
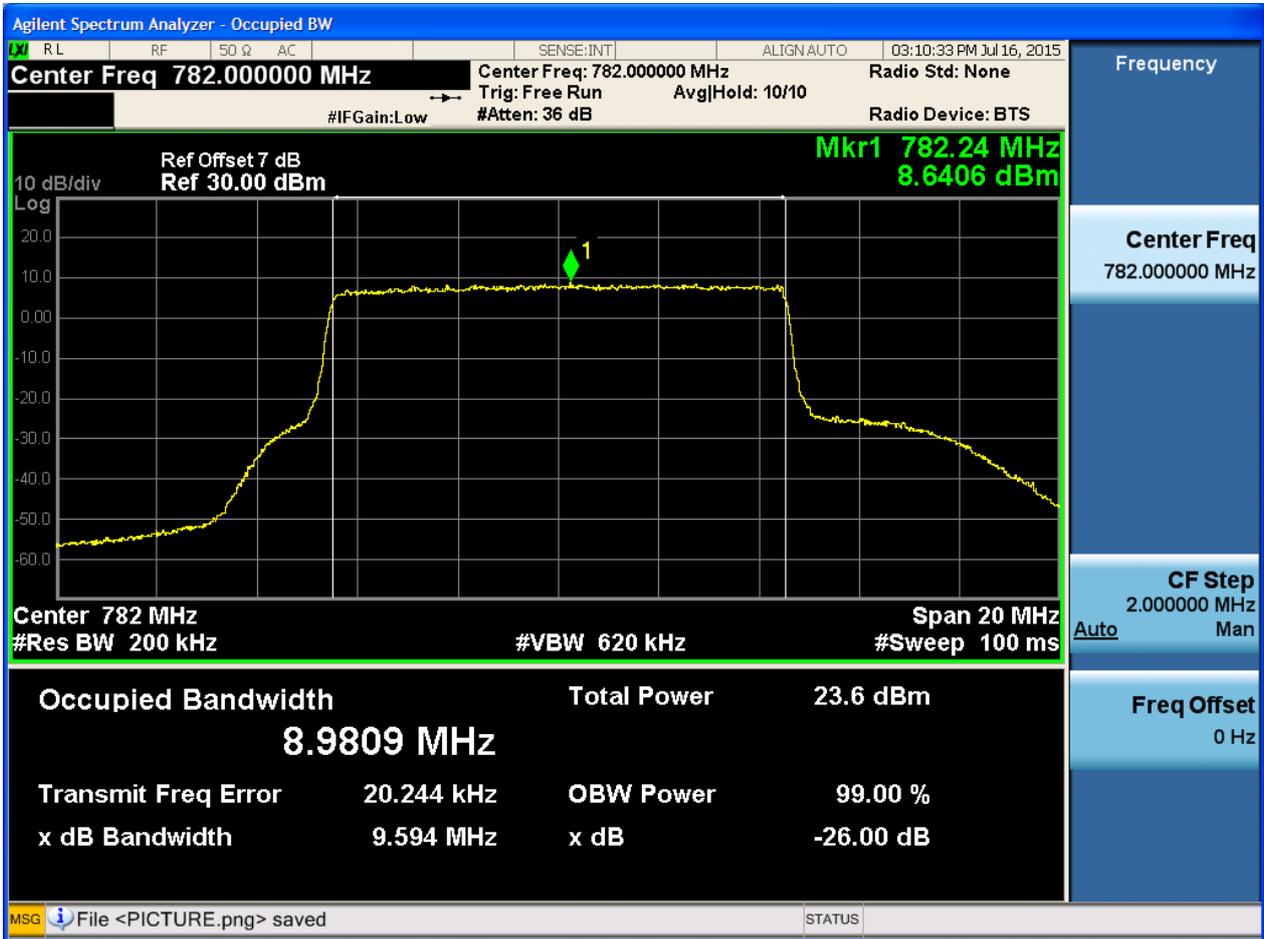
4.2.1.1.2.3 Test Channel = HCH

4.2.1.1.2.3.1 Test RB = RB50#0

4.2.1.2 Test Mode = LTE/TM2

4.2.1.2.1 Test Bandwidth = 5

4.2.1.2.1.1 Test Channel = LCH

4.2.1.2.1.1.1 Test RB = RB25#0

4.2.1.2.1.2 Test Channel = MCH

4.2.1.2.1.2.1 Test RB = RB25#0

4.2.1.2.1.3 Test Channel = HCH

4.2.1.2.1.3.1 Test RB = RB25#0

Agilent Spectrum Analyzer - Occupied BW		
Center Freq 784.500000 MHz	Center Freq: 784.500000 MHz	Radio Std: None
	Trig: Free Run Avg|Hold: 10/10	Radio Device: BTS

Mkr1 786.27 MHz 8.5335 dBm

Occupied Bandwidth	**Total Power**	**23.2 dBm**
4.5028 MHz		
Transmit Freq Error	715 Hz	OBW Power	99.00 %
x dB Bandwidth	4.847 MHz	x dB	-26.00 dB
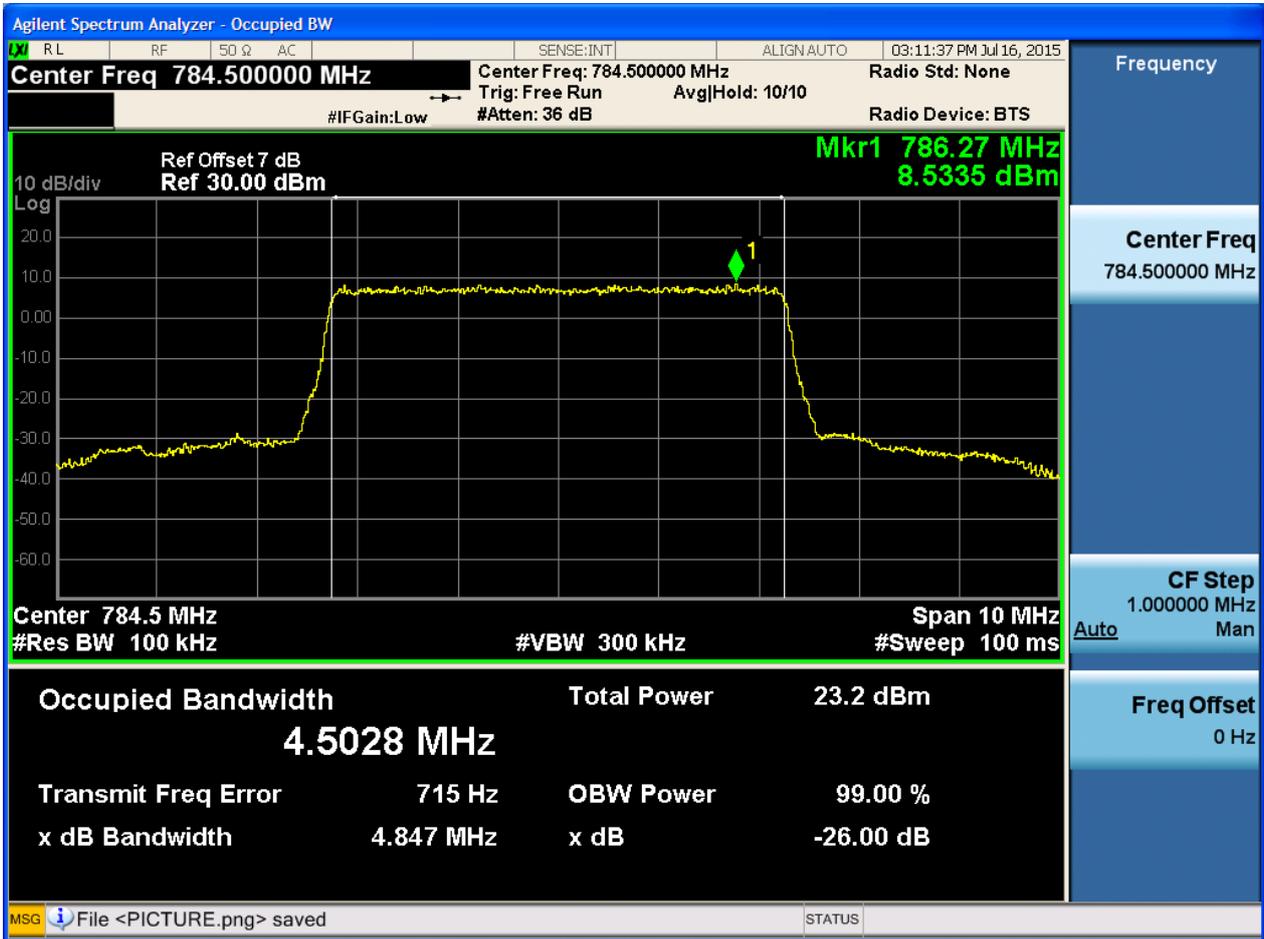
4.2.1.2.2 Test Bandwidth = 10

4.2.1.2.2.1 Test Channel = LCH

4.2.1.2.2.1.1 Test RB = RB50#0
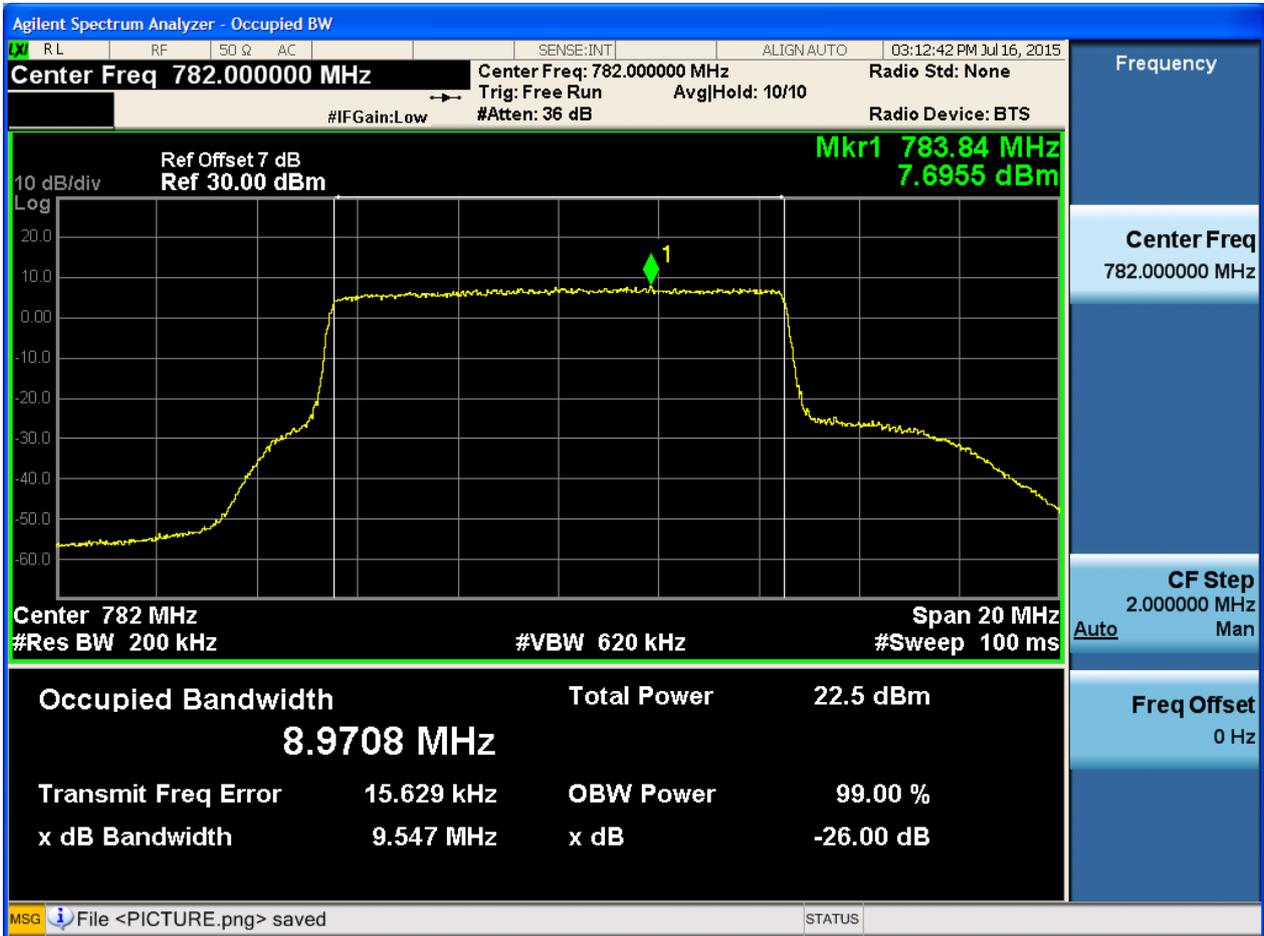
4.2.1.2.2.2 Test Channel = MCH

4.2.1.2.2.2.1 Test RB = RB50#0

4.2.1.2.2.3 Test Channel = HCH

4.2.1.2.2.3.1 Test RB = RB50#0

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

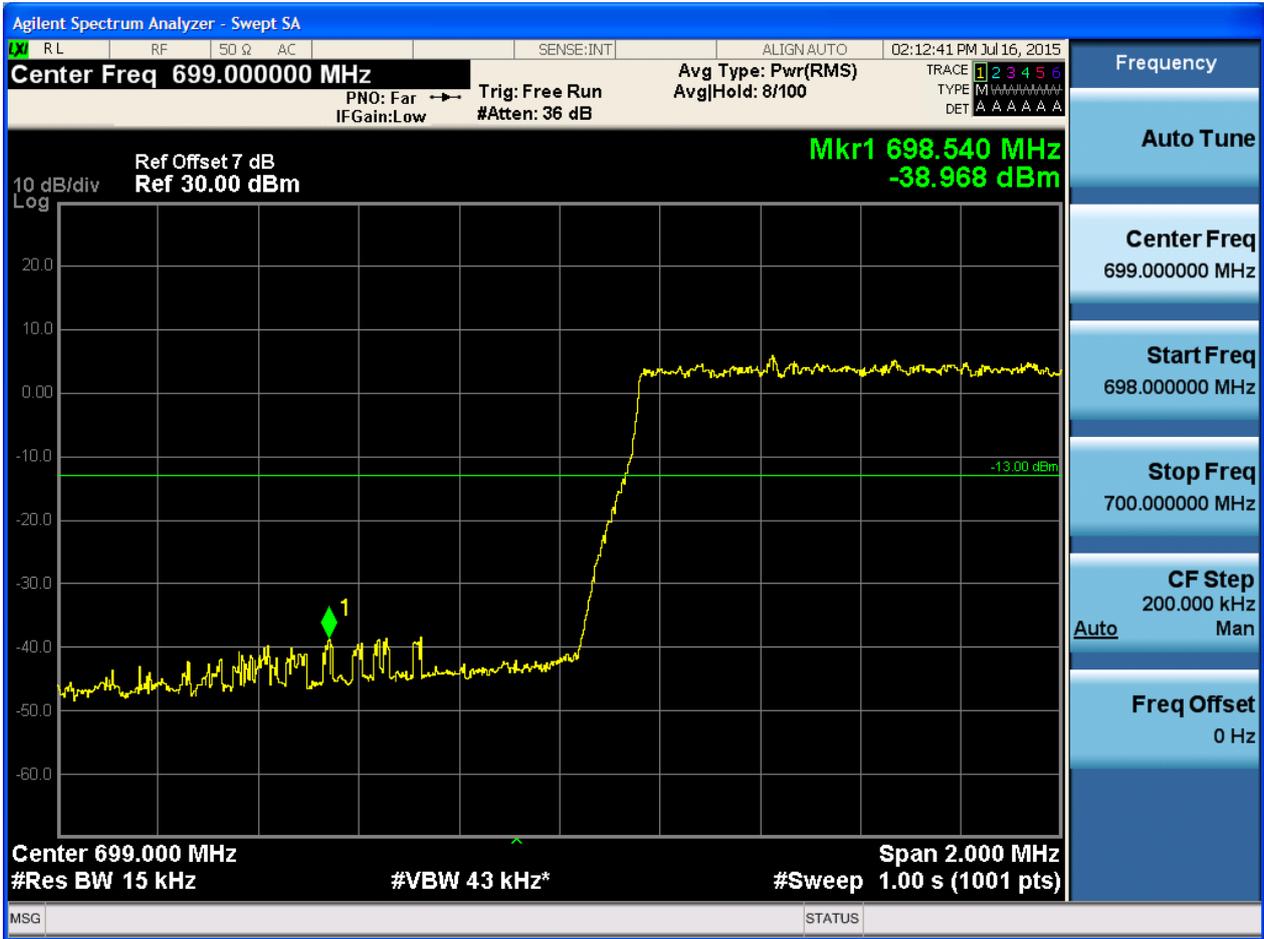**5.1.1.1.1.1.1 Test RB = RB1#0**

5.1.1.1.1.1.2 Test RB = RB1#5

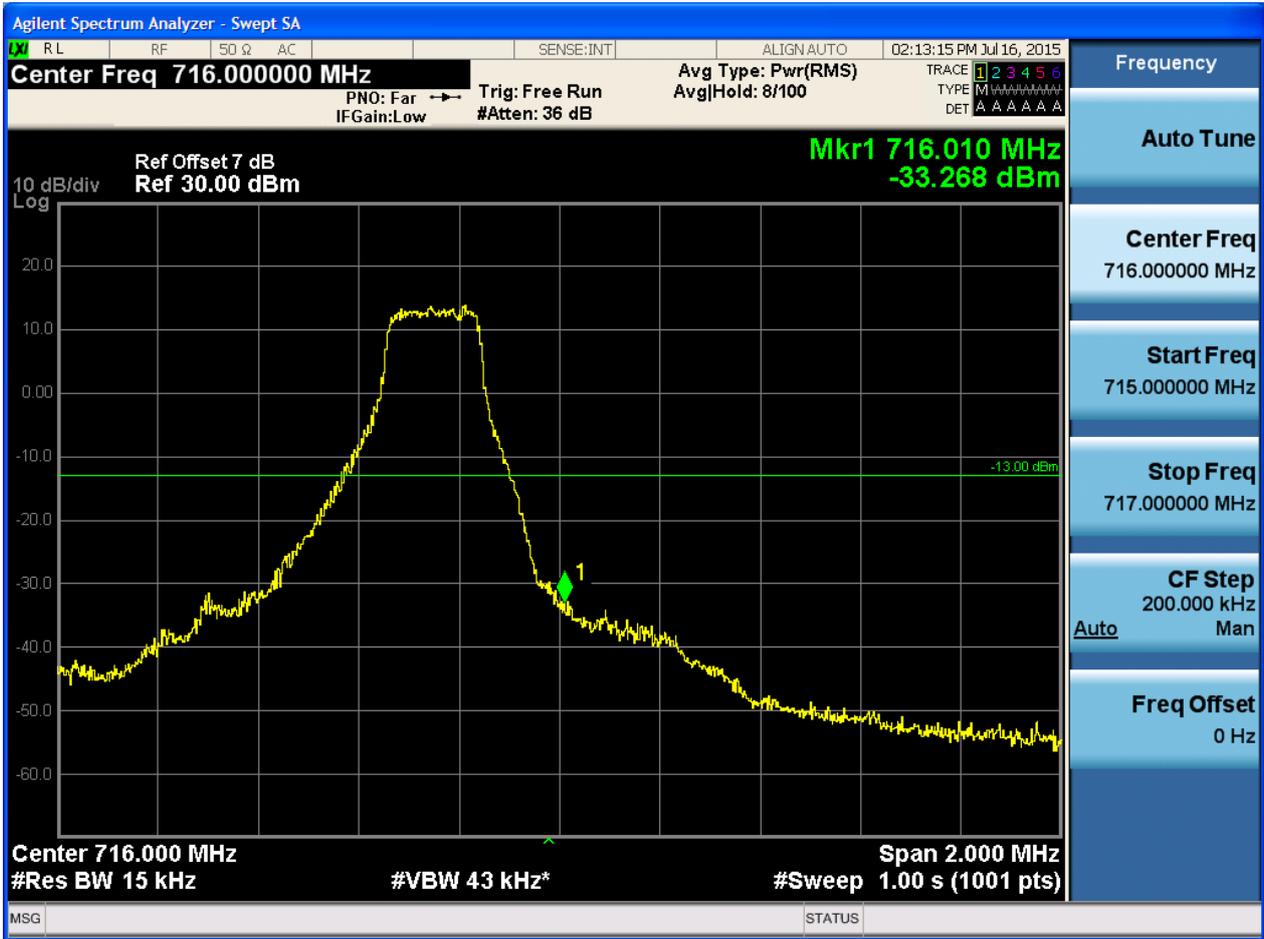## 5.1.1.1.1.3 Test RB = RB3#2

5.1.1.1.1.1.4 Test RB = RB6#0

Agilent Spectrum Analyzer - Swept SA

R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   02:04:19 PM Jul 16, 2015

Center Freq 699.000000 MHz   Avg Type: Pwr(RMS)   TRACE 1 2 3 4 5 6
                        PNO: Far ⟶   Trig: Free Run   Avg|Hold: 8/100   TYPE M WWWWWW
                        IFGain:Low   #Atten: 36 dB   DET A A A A A A

Mkr1 698.970 MHz
-43.141 dBm

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

20.0

10.0

0.00

-10.0   -13.00 dBm

-20.0

-30.0

-40.0   1

-50.0

-60.0

Center 699.000 MHz   Span 2.000 MHz
#Res BW 15 kHz   #VBW 43 kHz*   #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

5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0

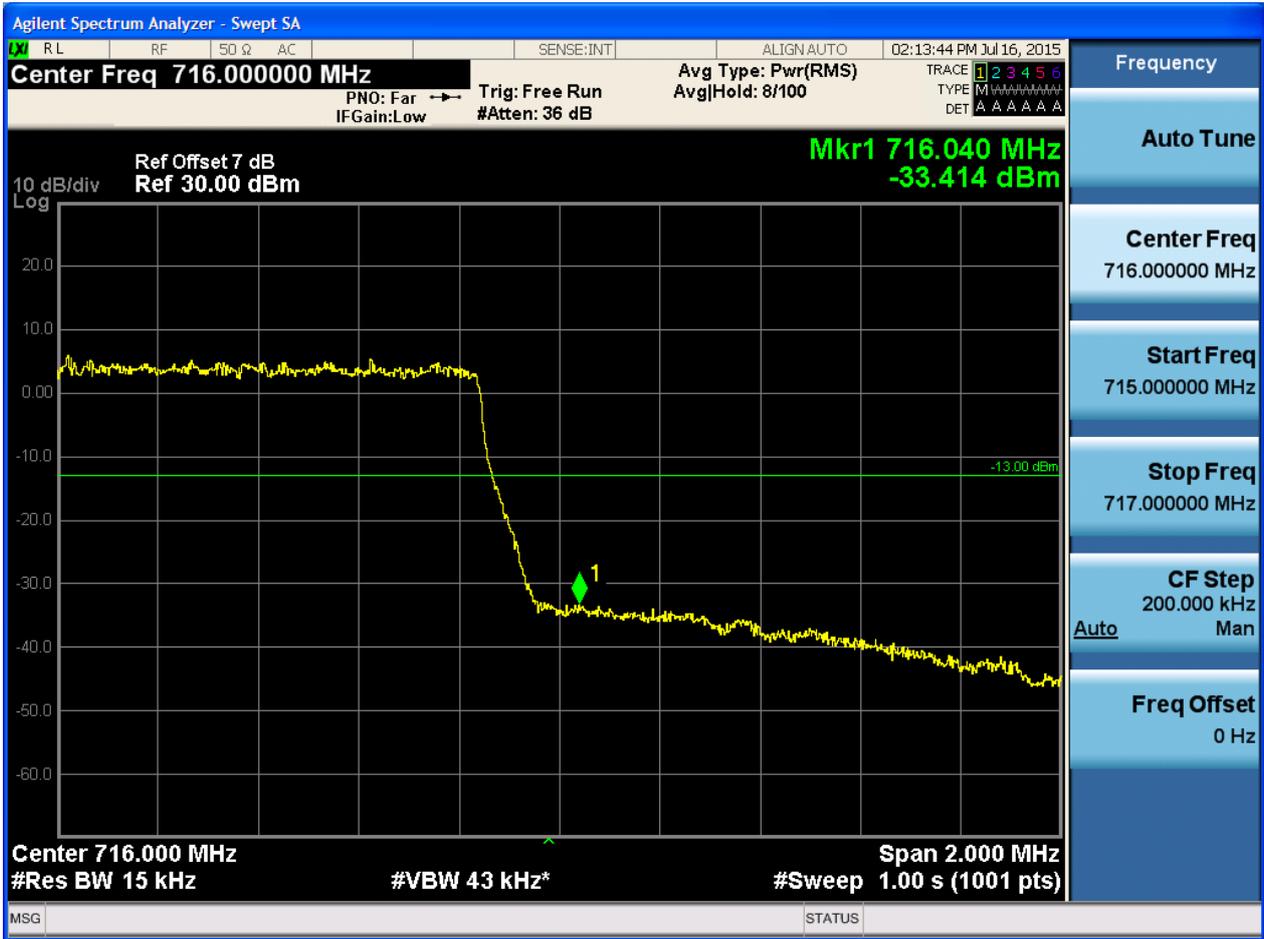## 5.1.1.1.1.2.2 Test RB = RB1#5
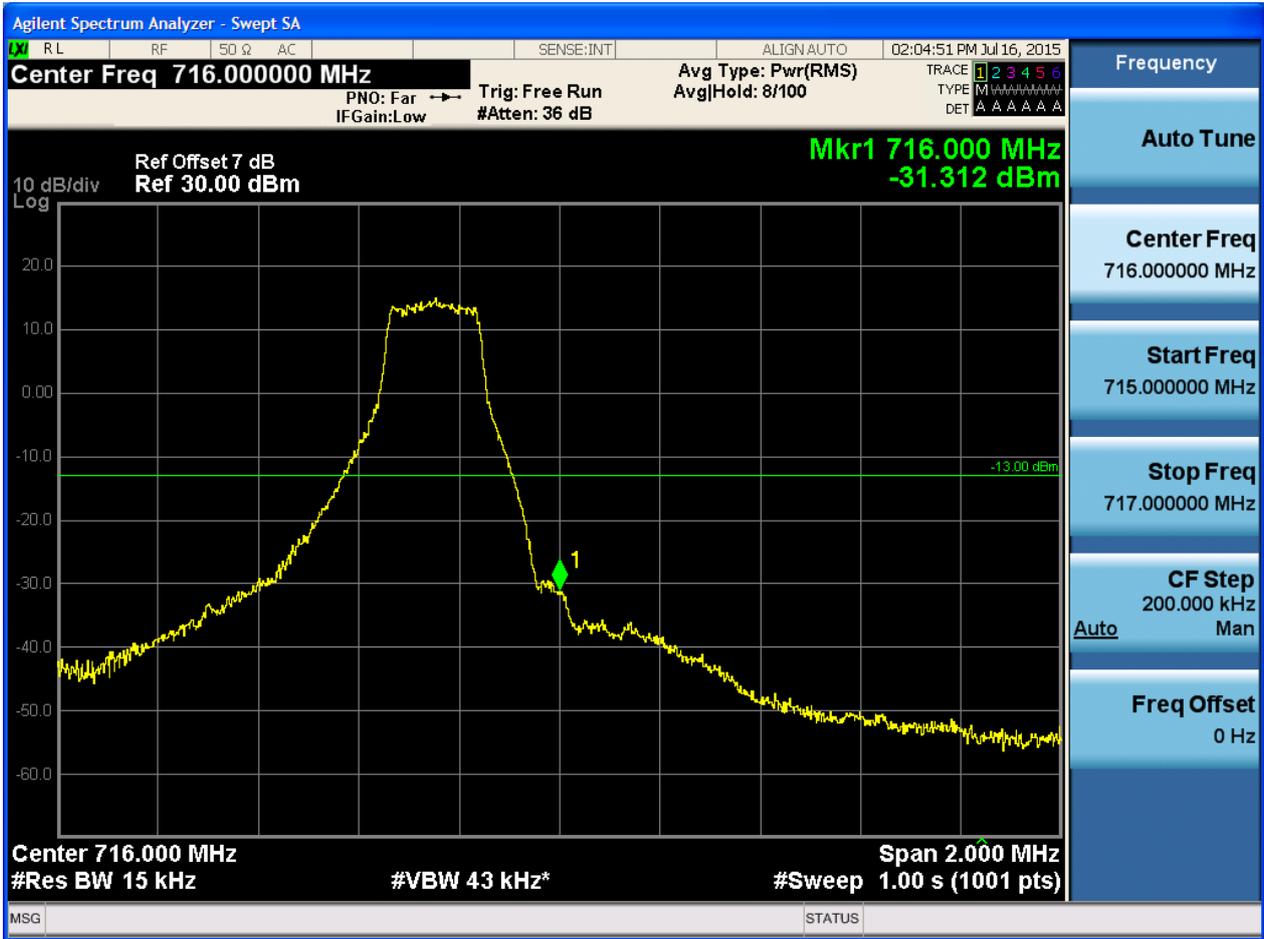
5.1.1.1.1.2.3 Test RB = RB3#2

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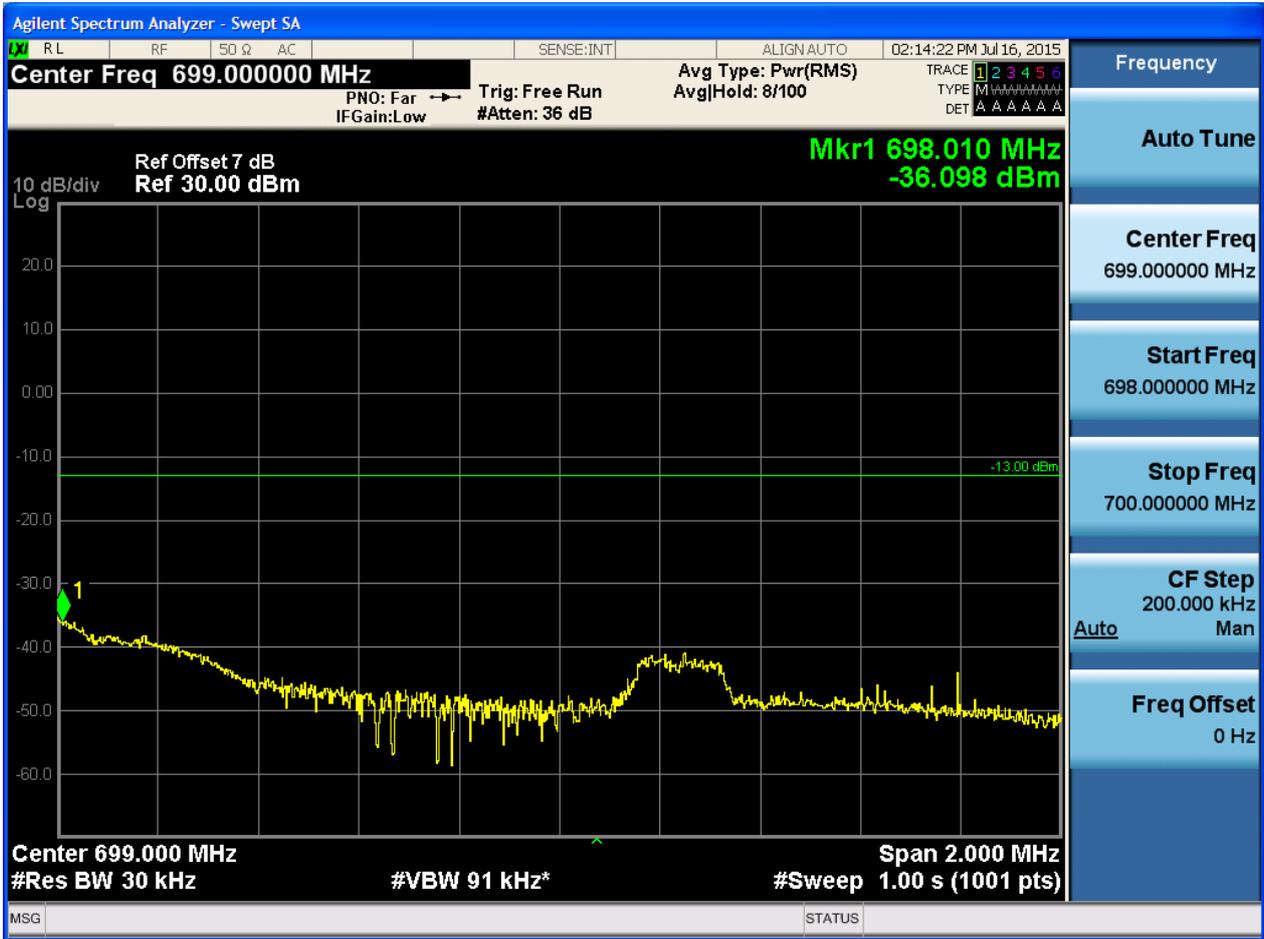
5.1.1.1.2 Test Bandwidth = 3

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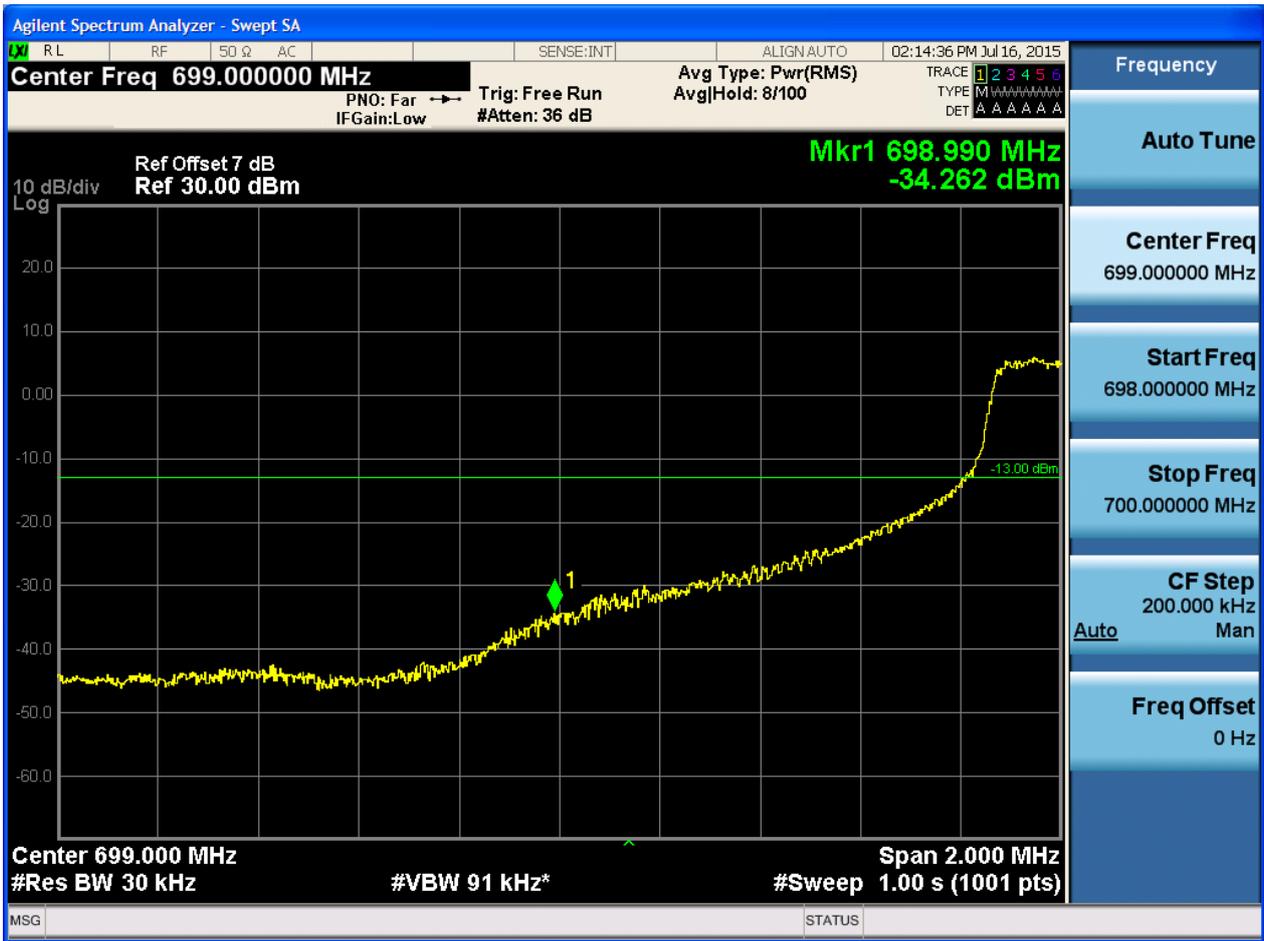
5.1.1.1.2.1.1 Test RB = RB1#0
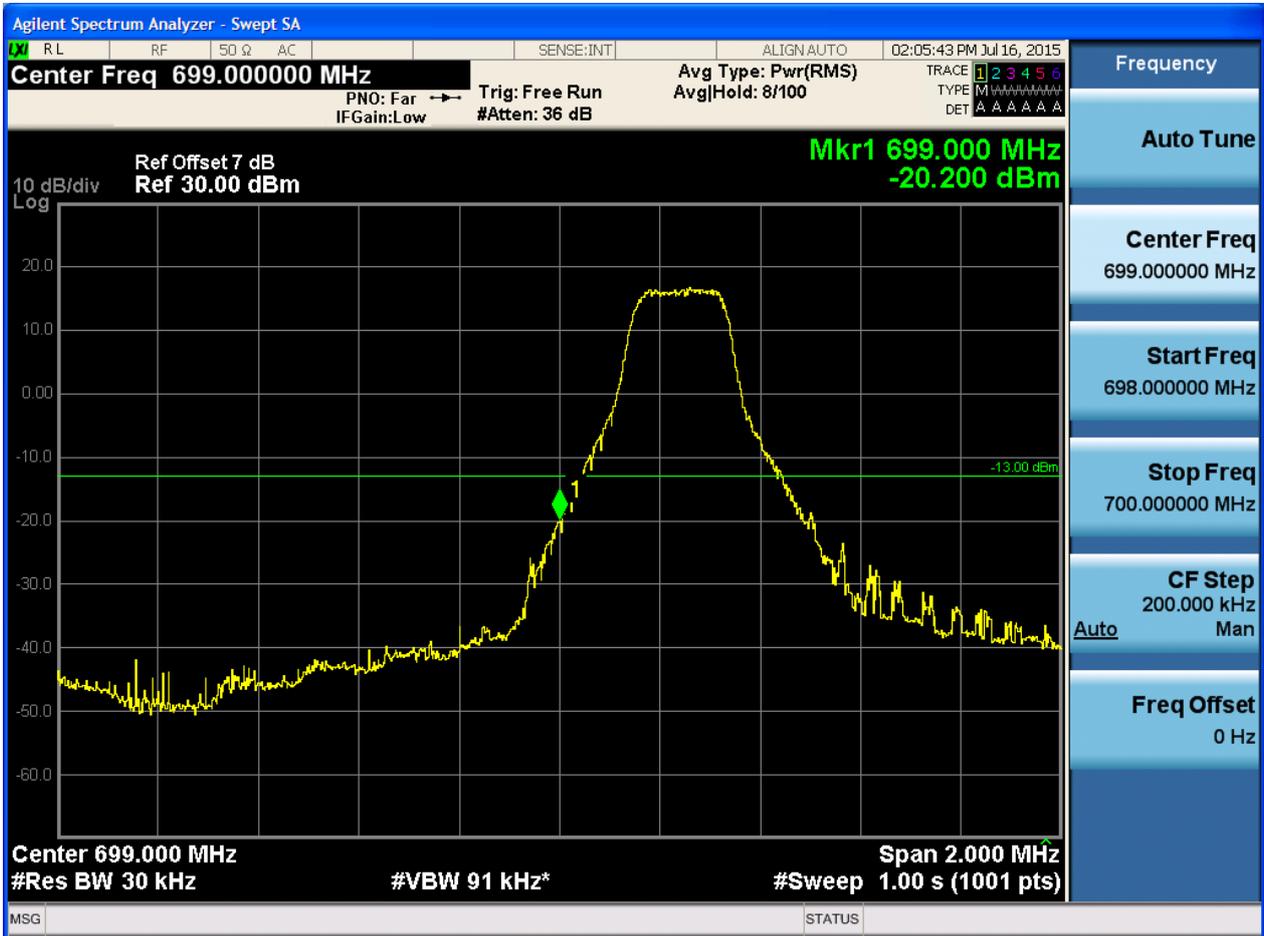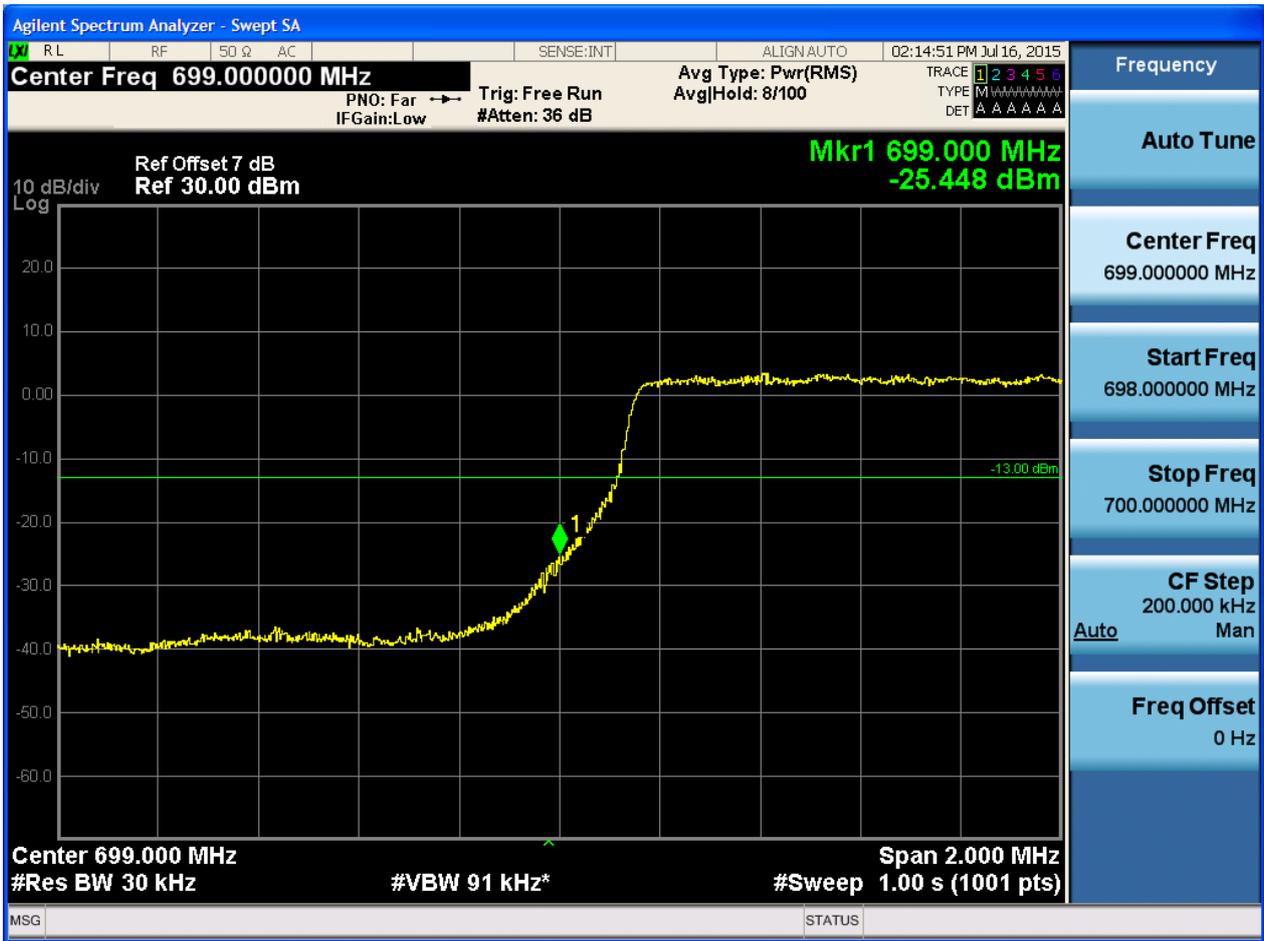
5.1.1.1.2.1.2 Test RB = RB1#14
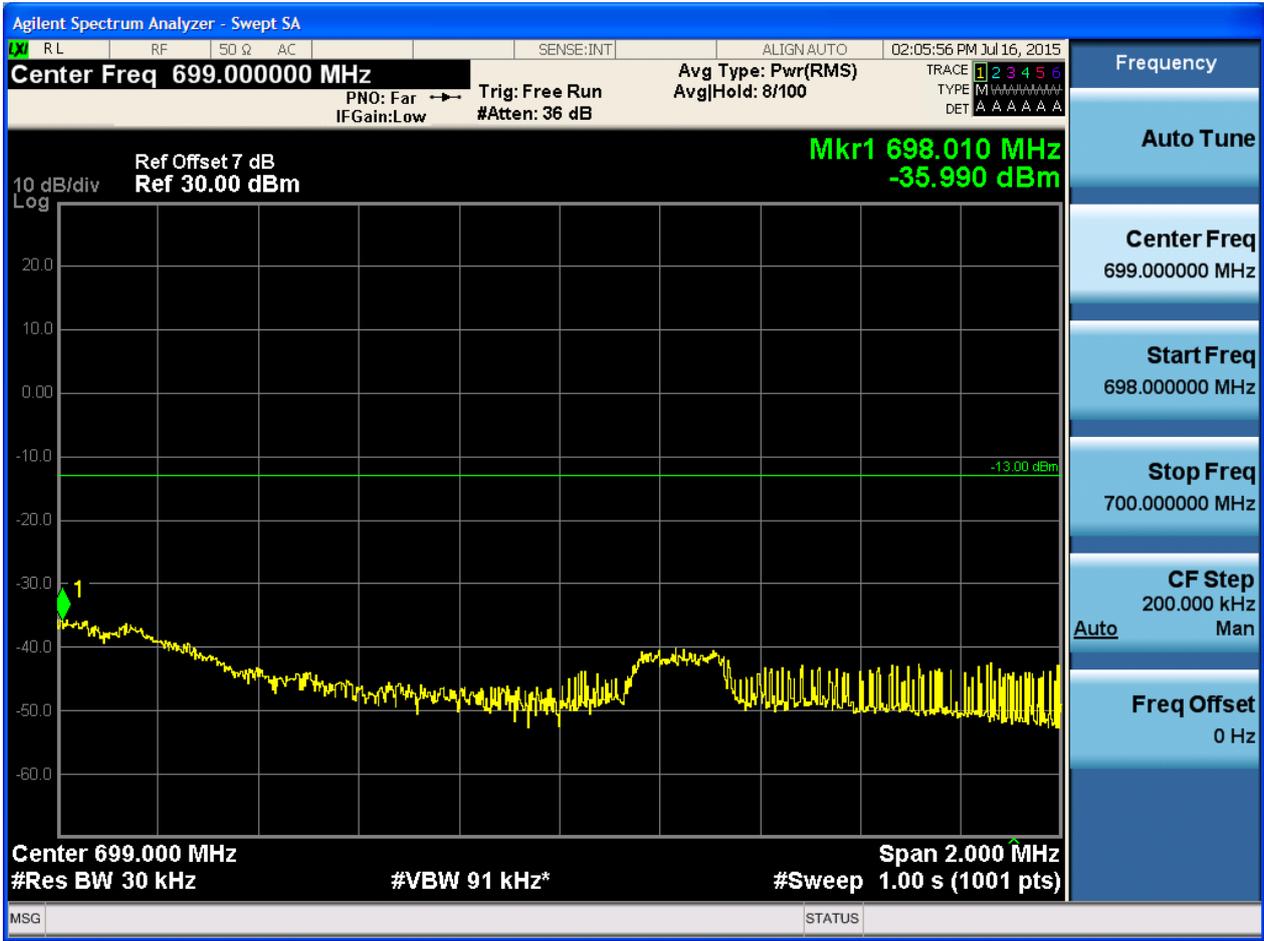
5.1.1.1.2.1.3 Test RB = RB8#4

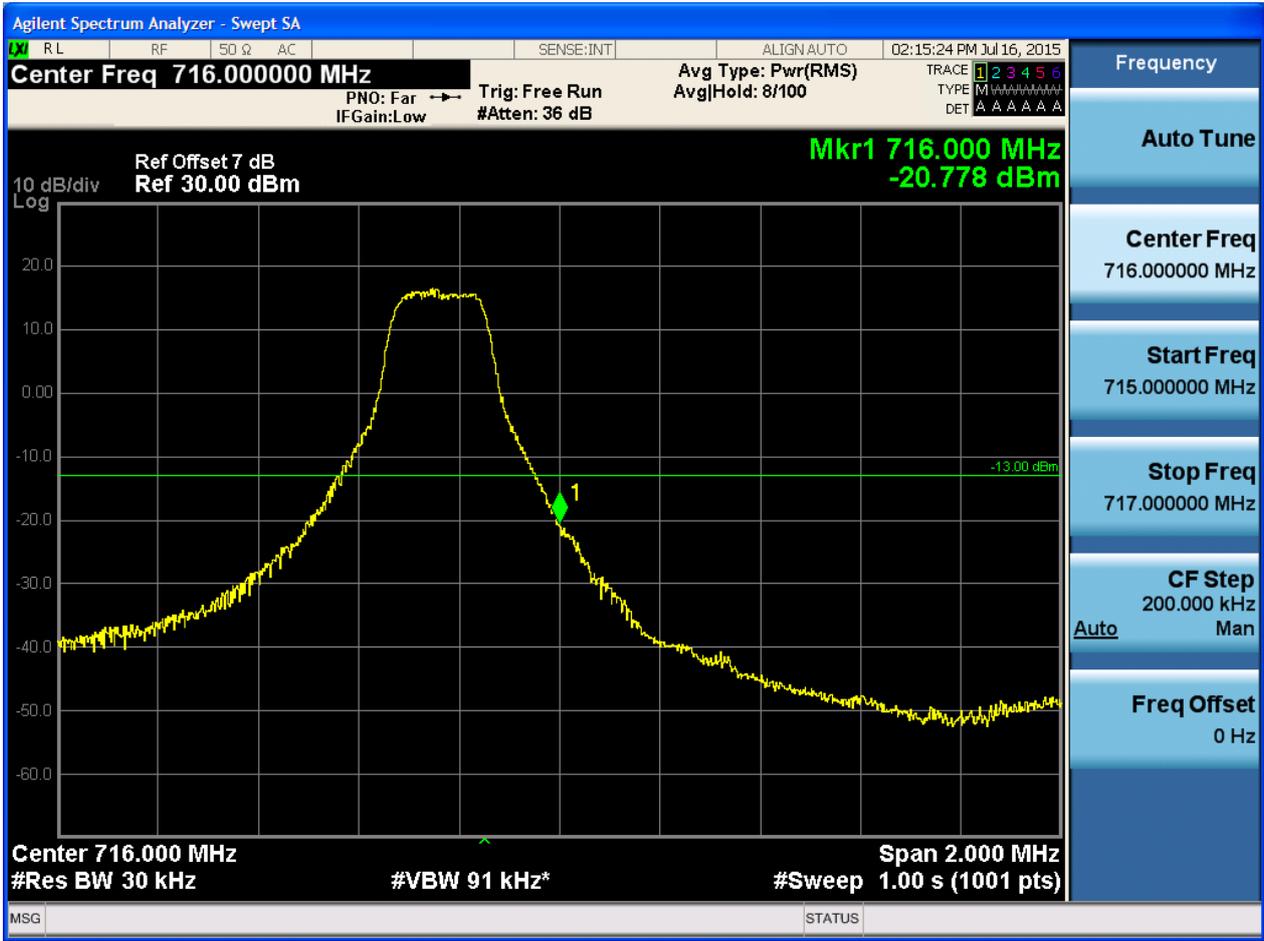## 5.1.1.1.2.1.4 Test RB = RB15#0

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
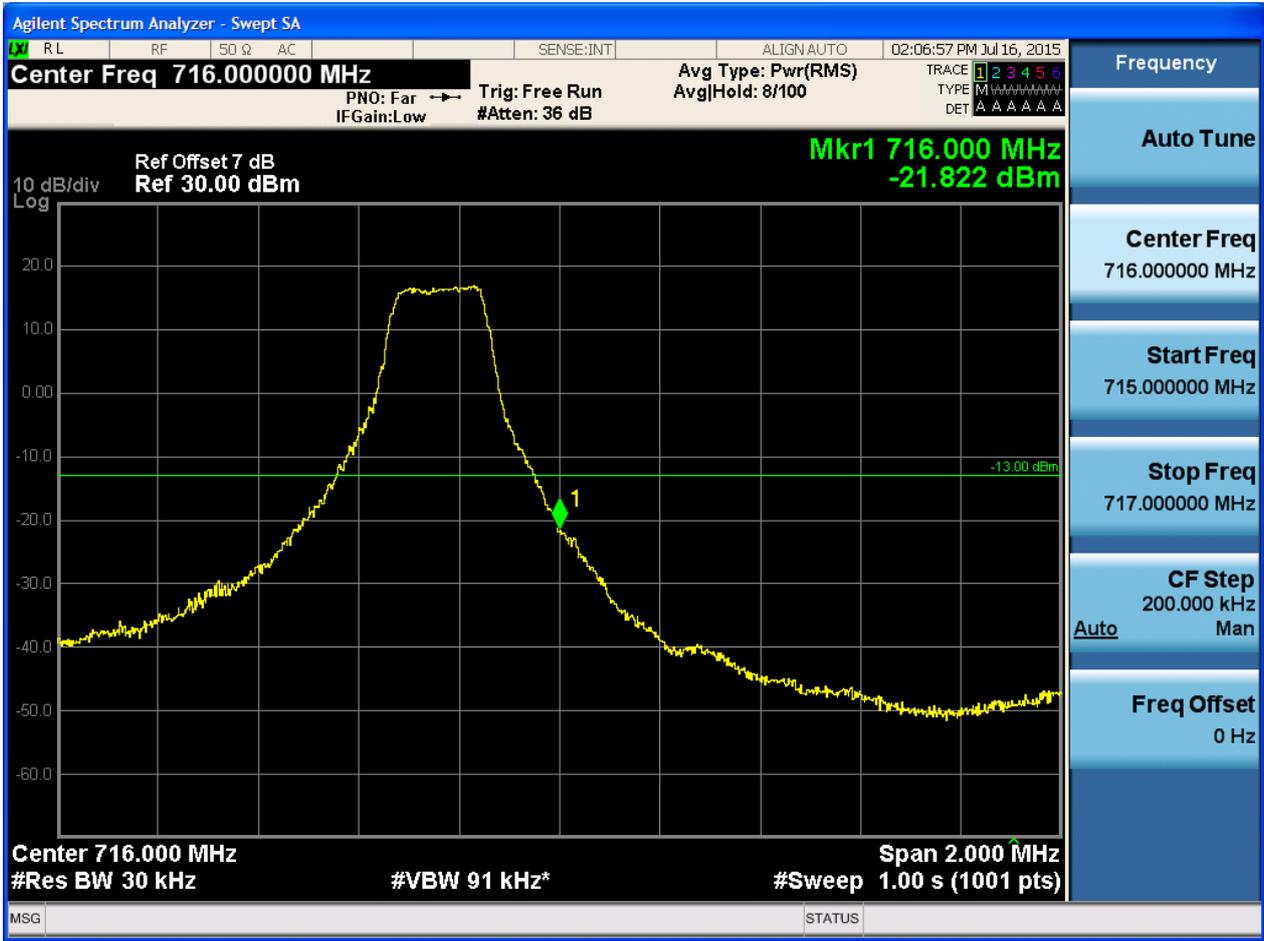
5.1.1.1.2.2.3 Test RB = RB8#4

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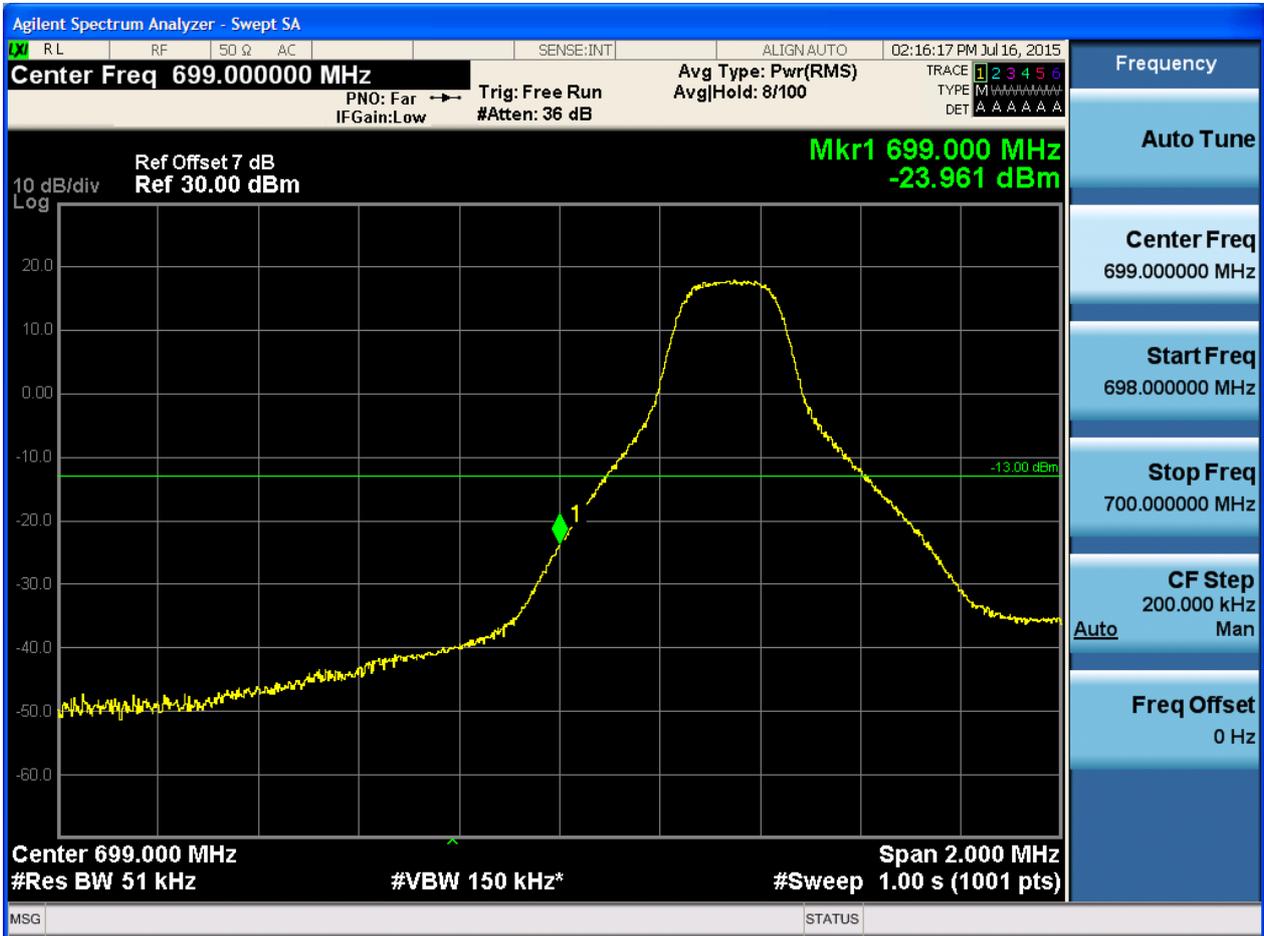
5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0
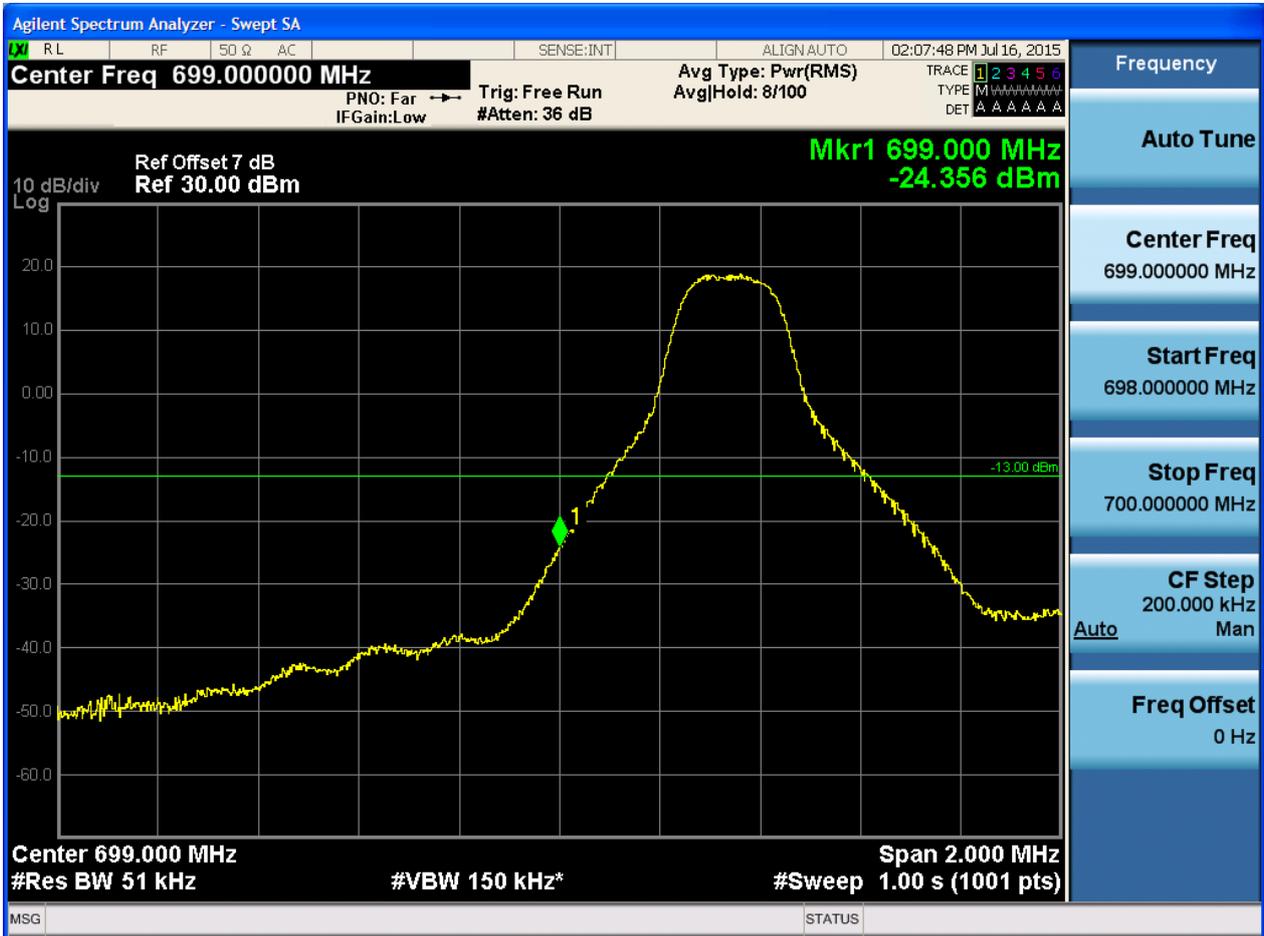
5.1.1.1.3.1.2 Test RB = RB1#24
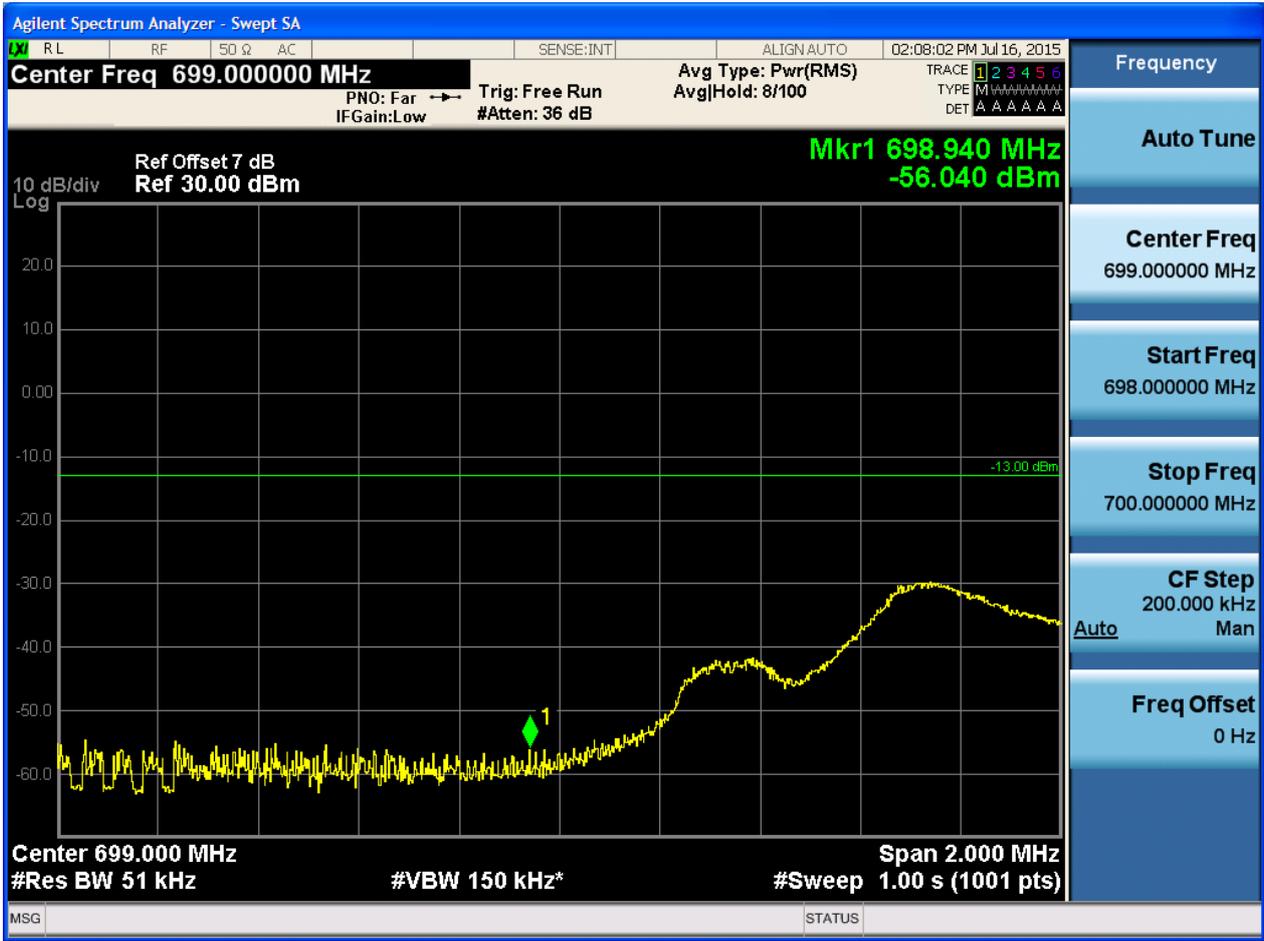
5.1.1.1.3.1.3 Test RB = RB12#6

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
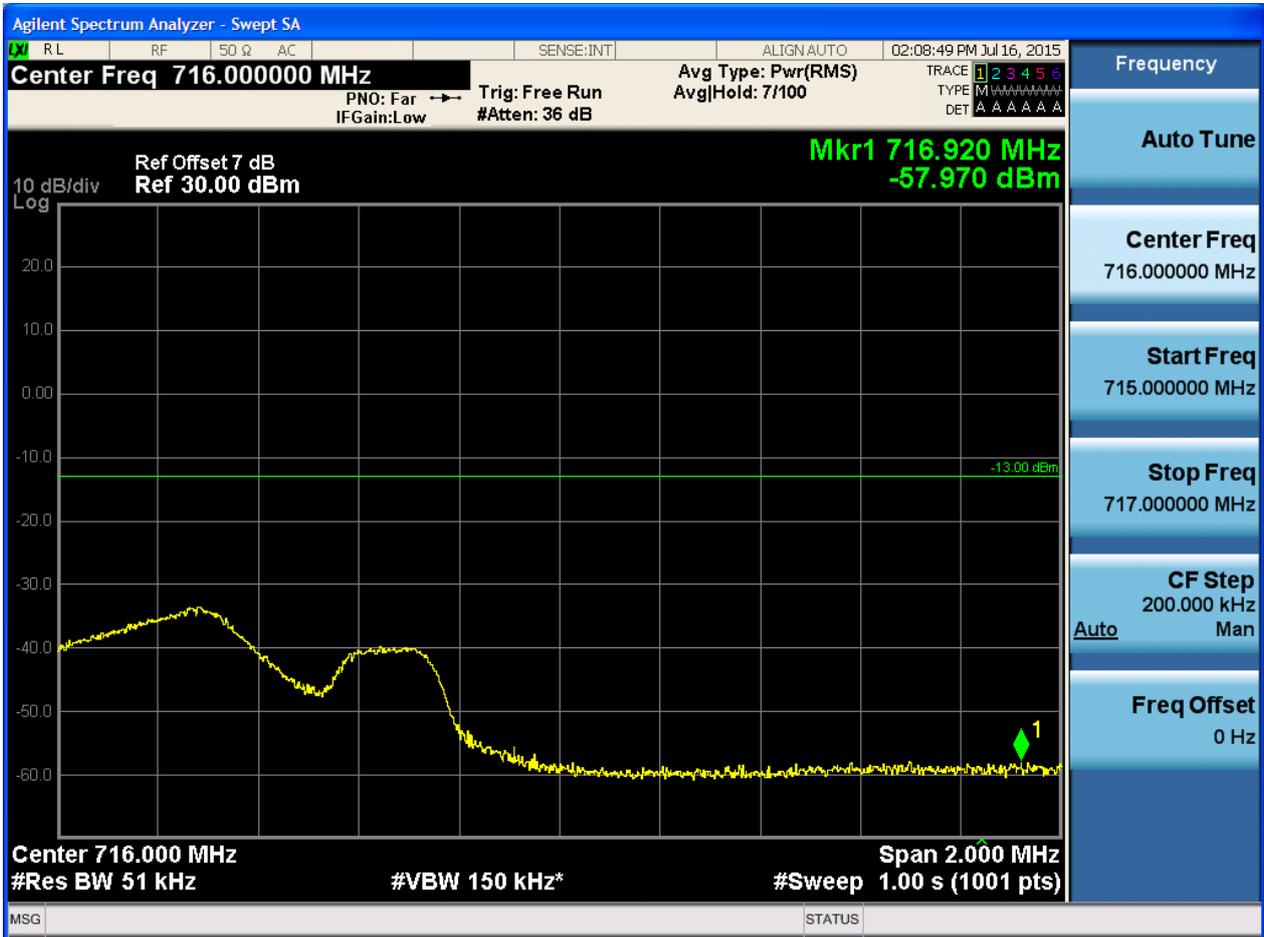
5.1.1.1.3.2.2 Test RB = RB1#24
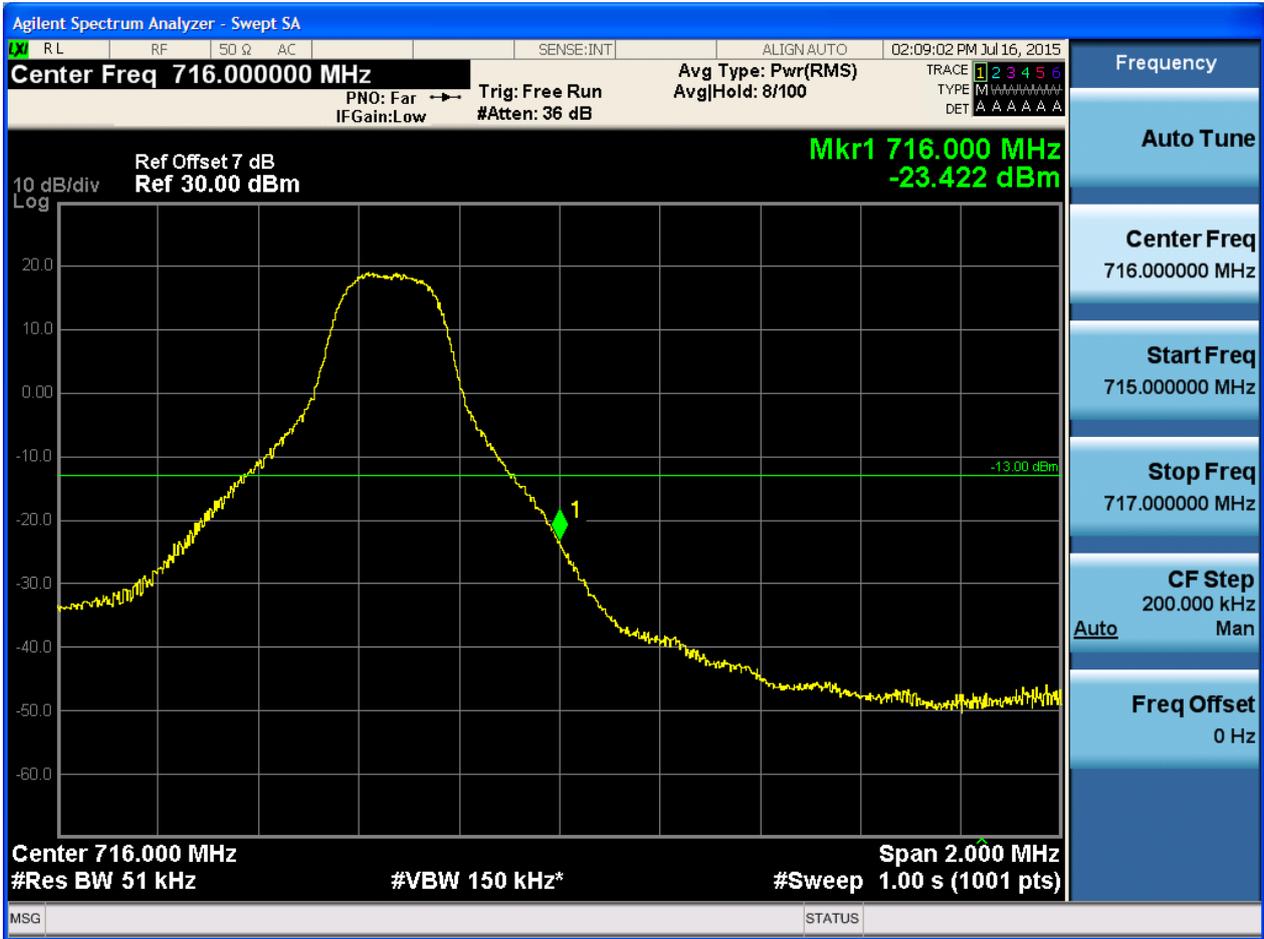
5.1.1.1.3.2.3 Test RB = RB12#6

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
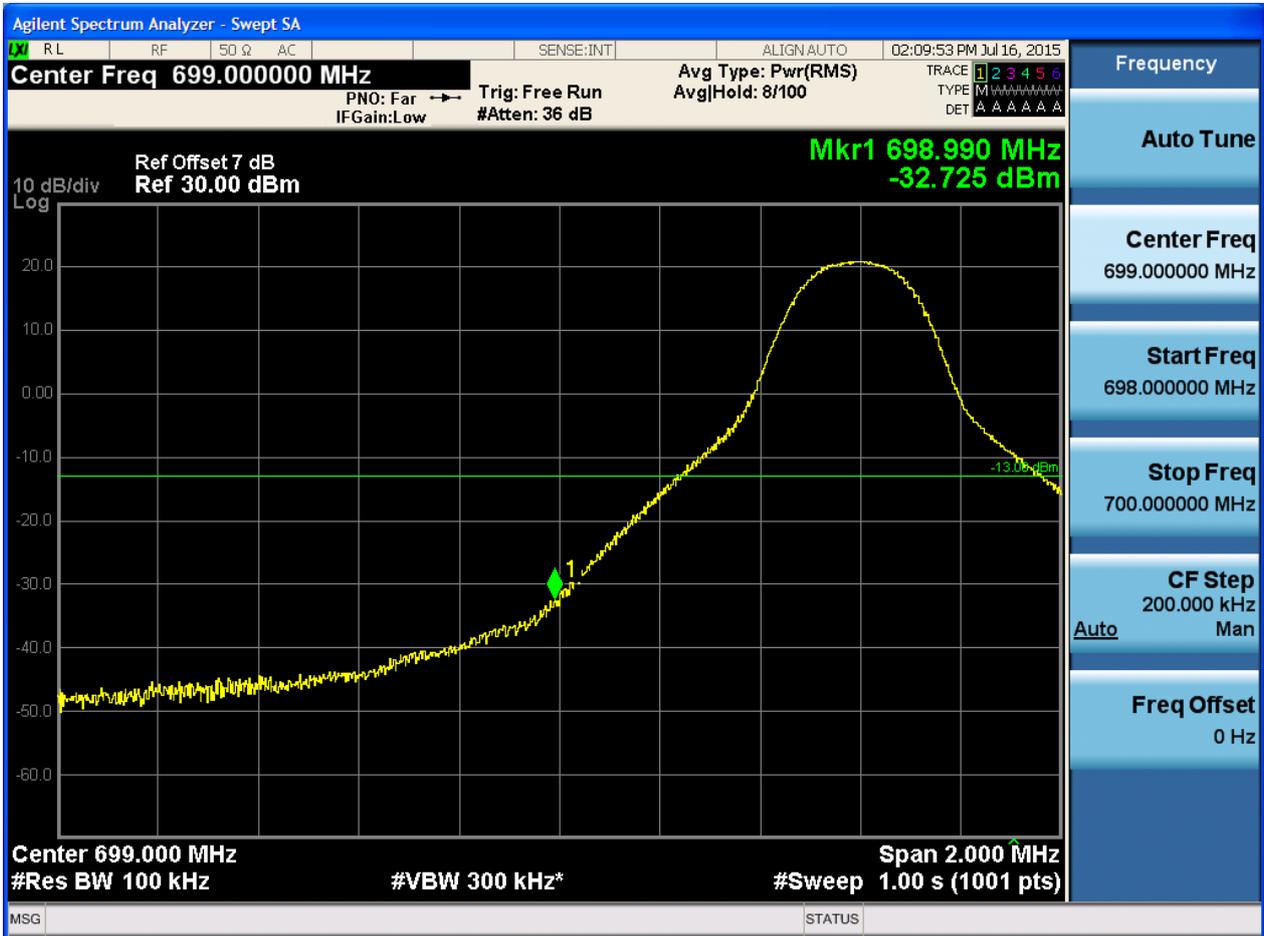
5.1.1.1.4.1.2 Test RB = RB1#49
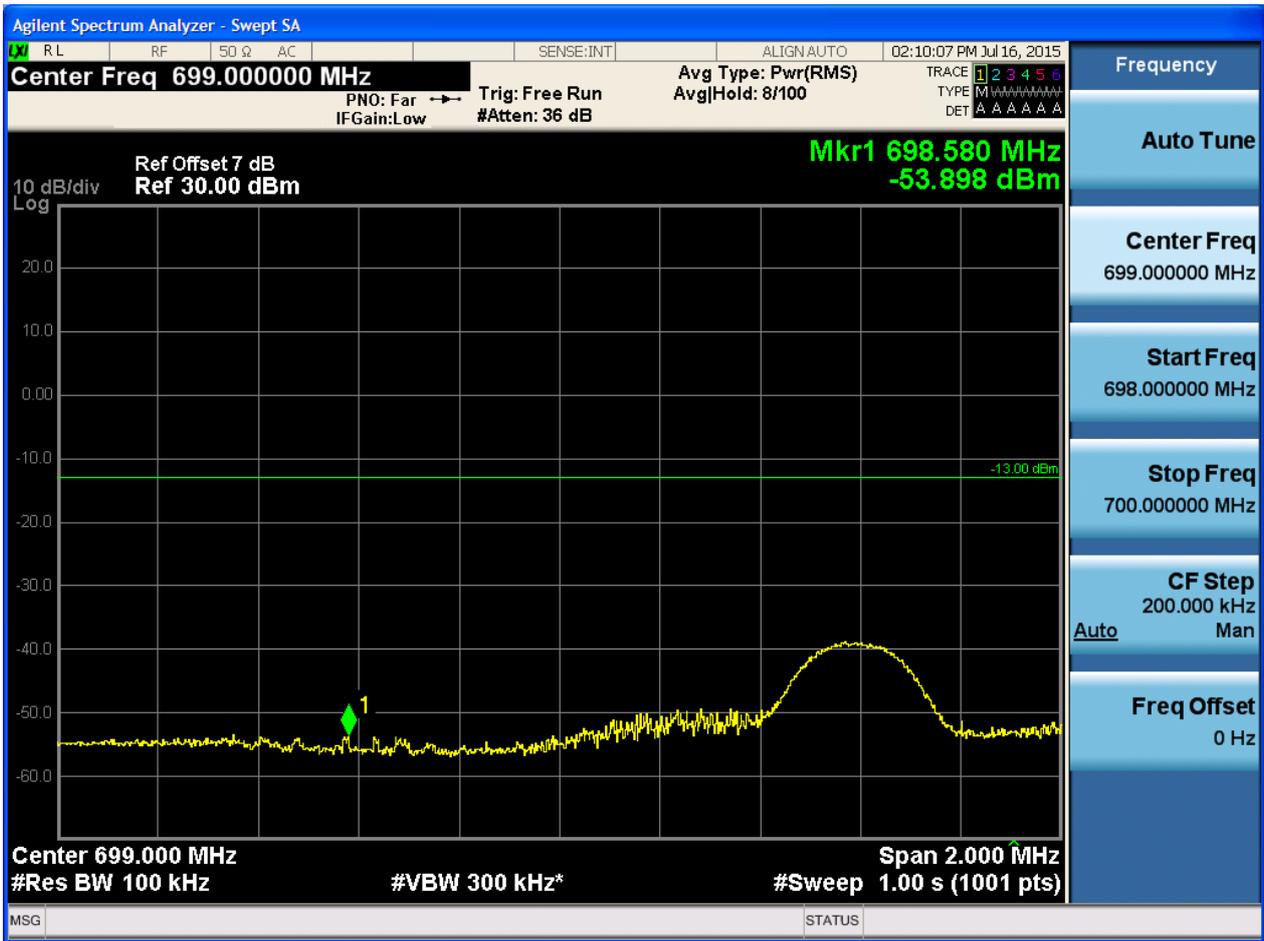
5.1.1.1.4.1.3 Test RB = RB25#13
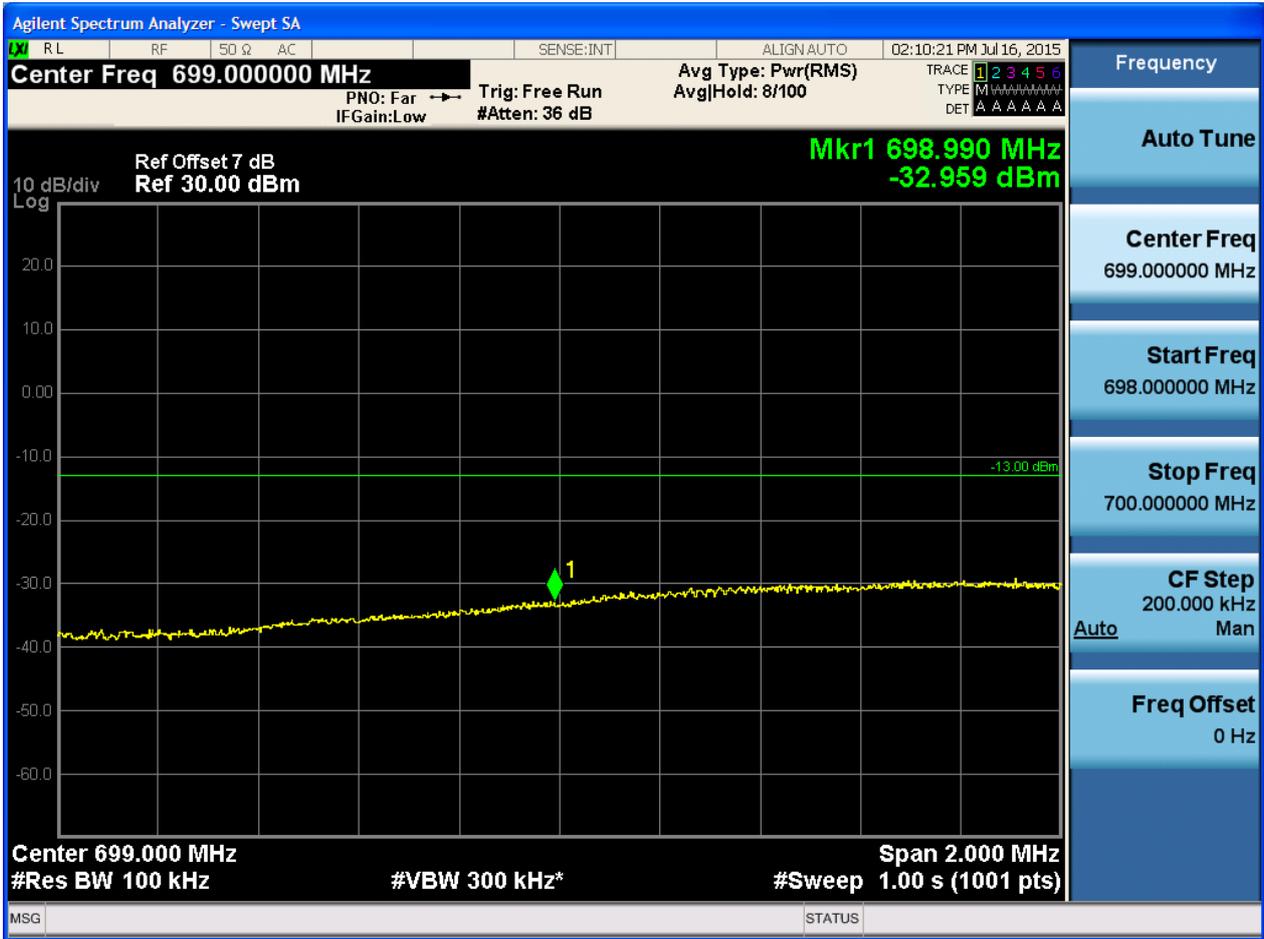
5.1.1.1.4.1.4 Test RB = RB50#0

5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0
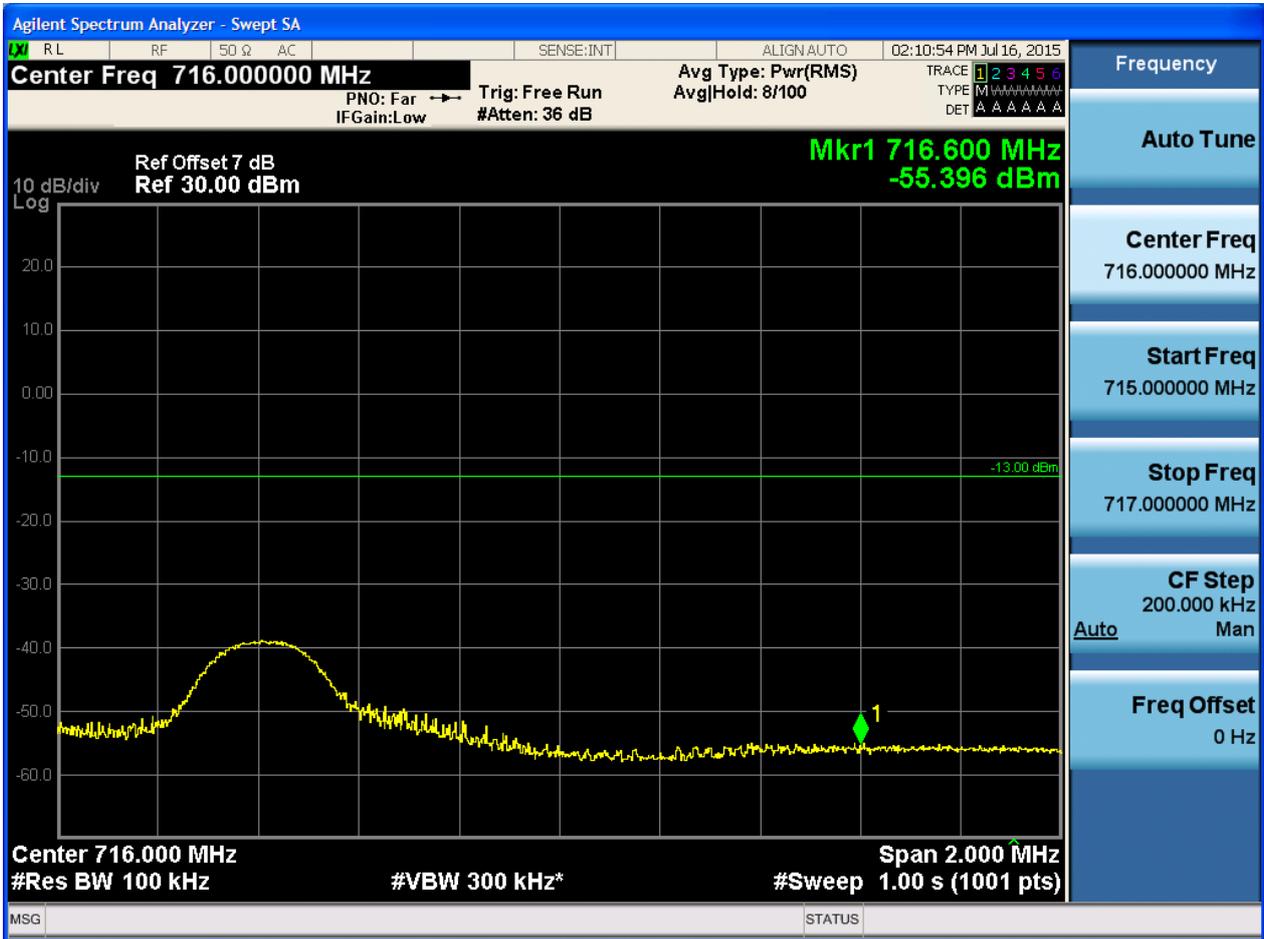
5.1.1.1.4.2.2 Test RB = RB1#49

5.1.1.1.4.2.3 Test RB = RB25#13

5.1.1.1.4.2.4 Test RB = RB50#0

5.1.1.2 Test Mode = LTE/TM2

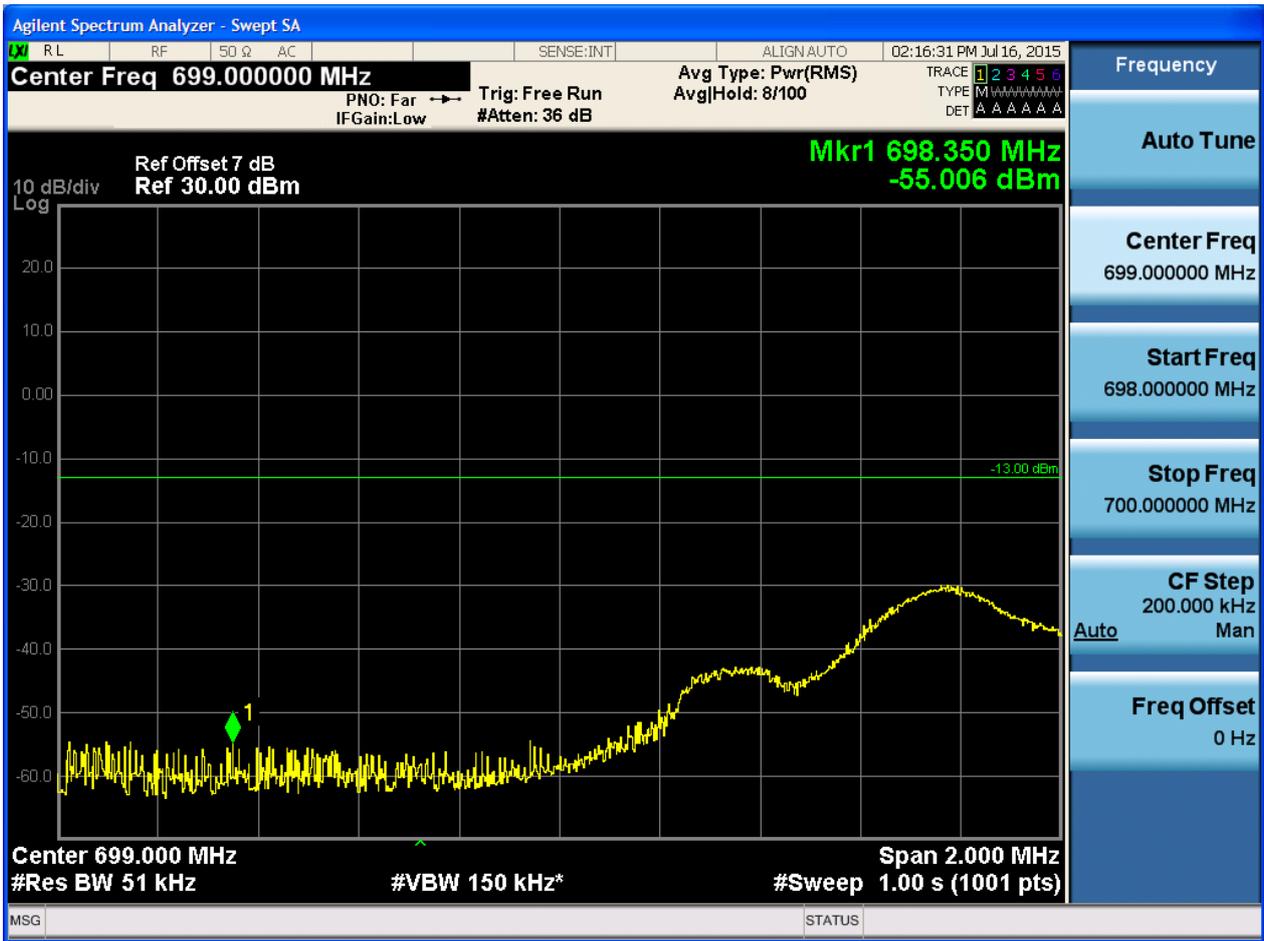### 5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0
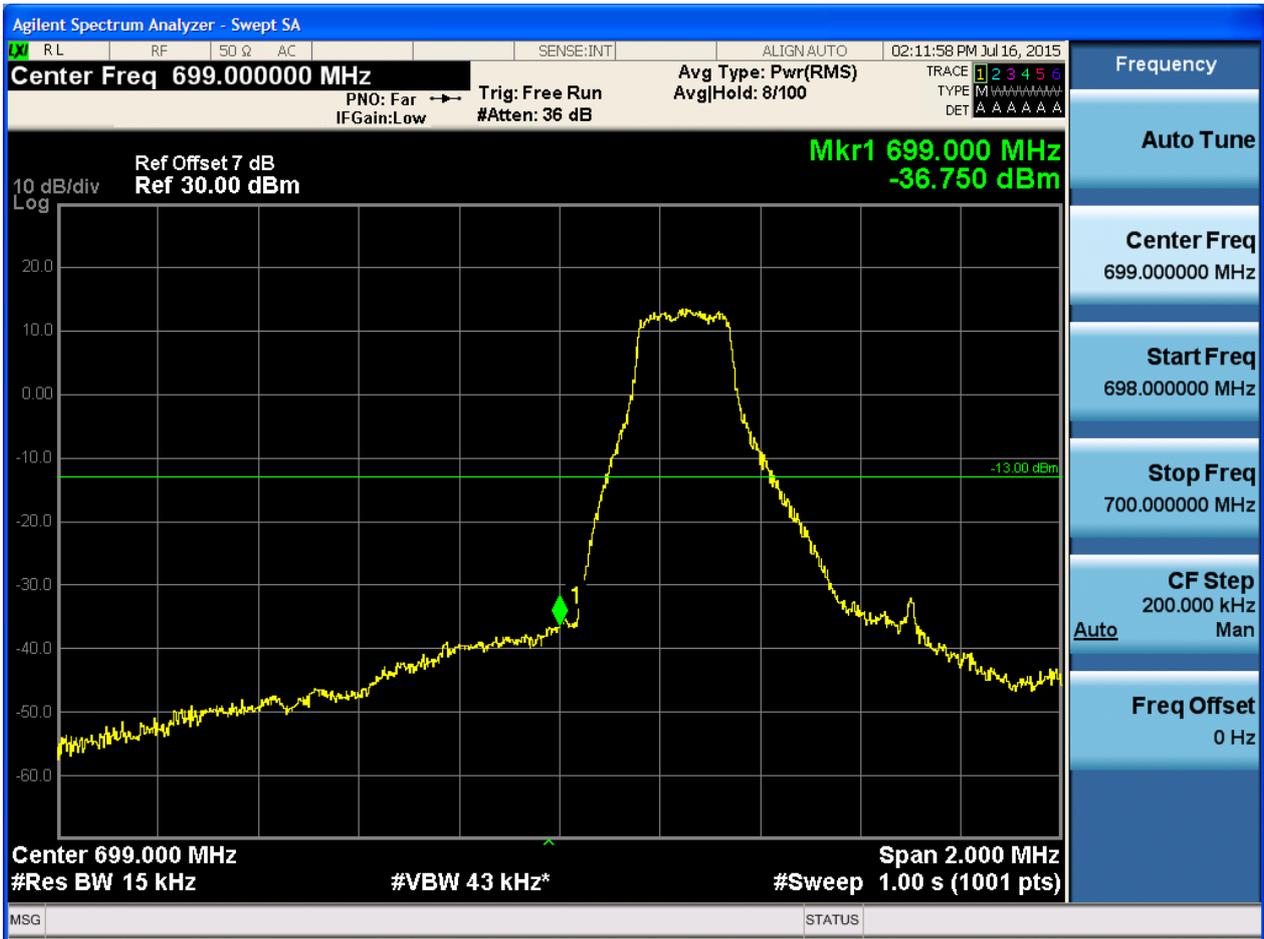
5.1.1.2.1.1.2 Test RB = RB1#5
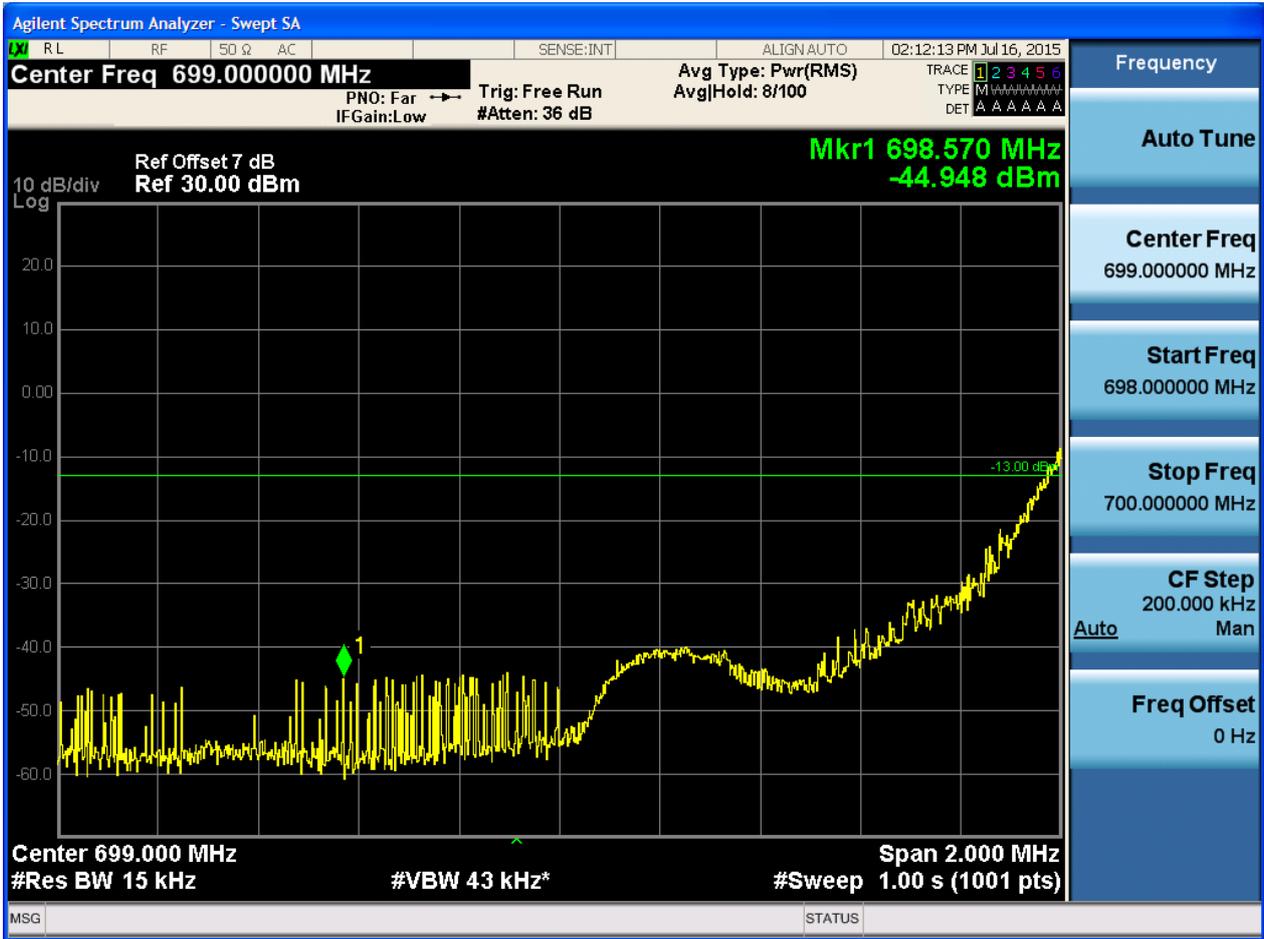
5.1.1.2.1.1.3 Test RB = RB3#2

5.1.1.2.1.1.4 Test RB = RB6#0

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
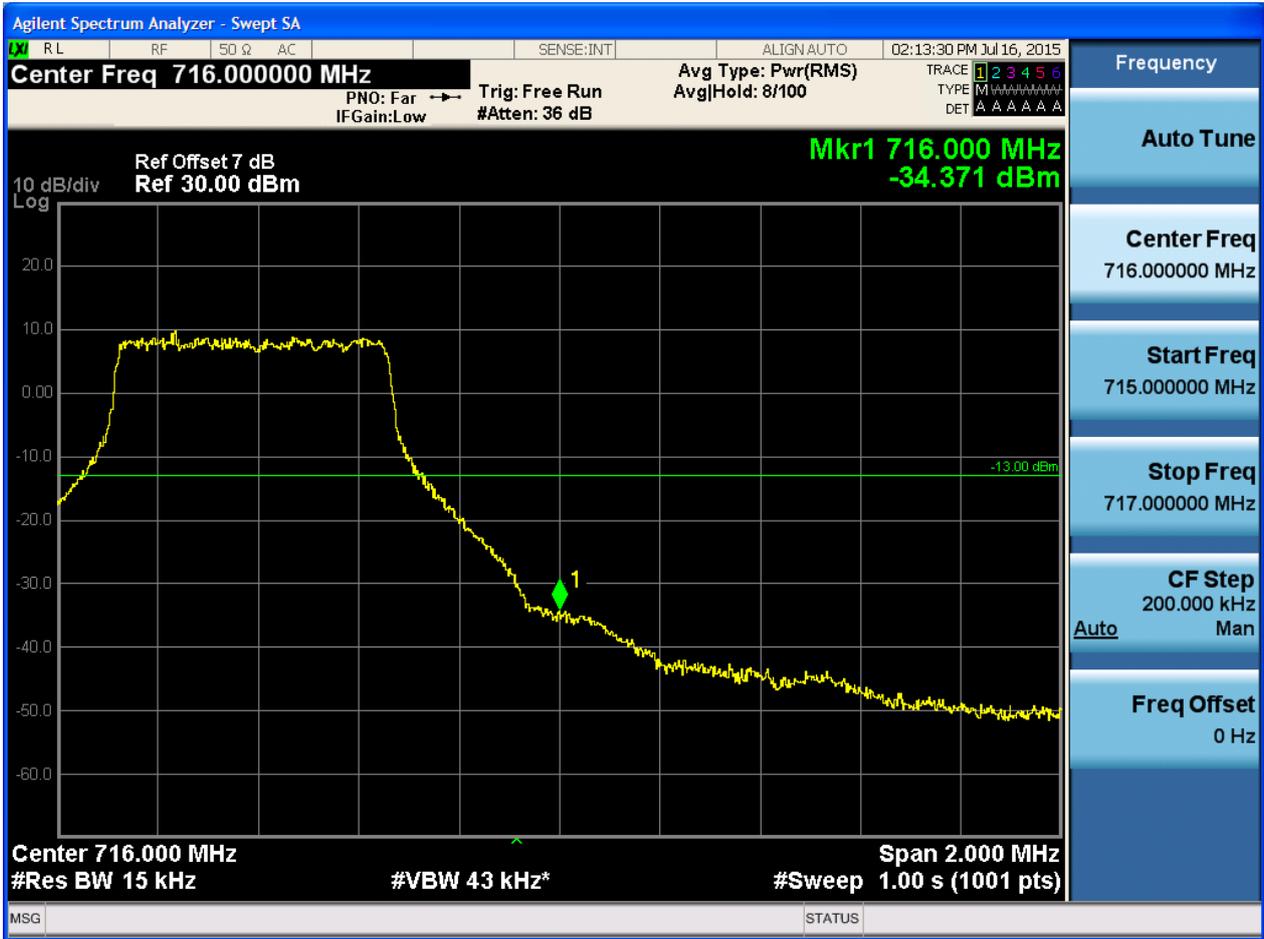
5.1.1.2.1.2.4 Test RB = RB6#0

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
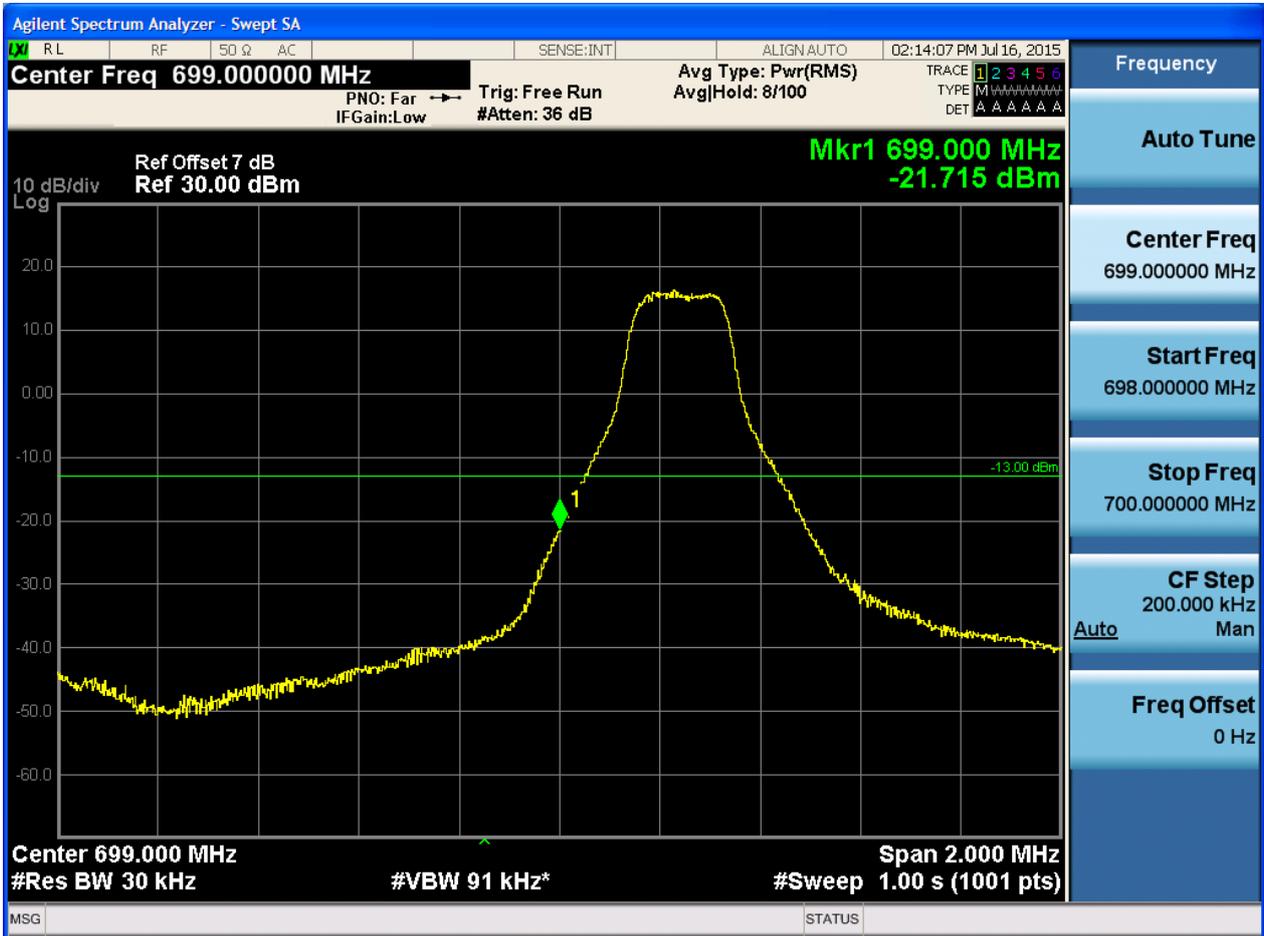
5.1.1.2.2.1.2 Test RB = RB1#14

5.1.1.2.2.1.3 Test RB = RB8#4
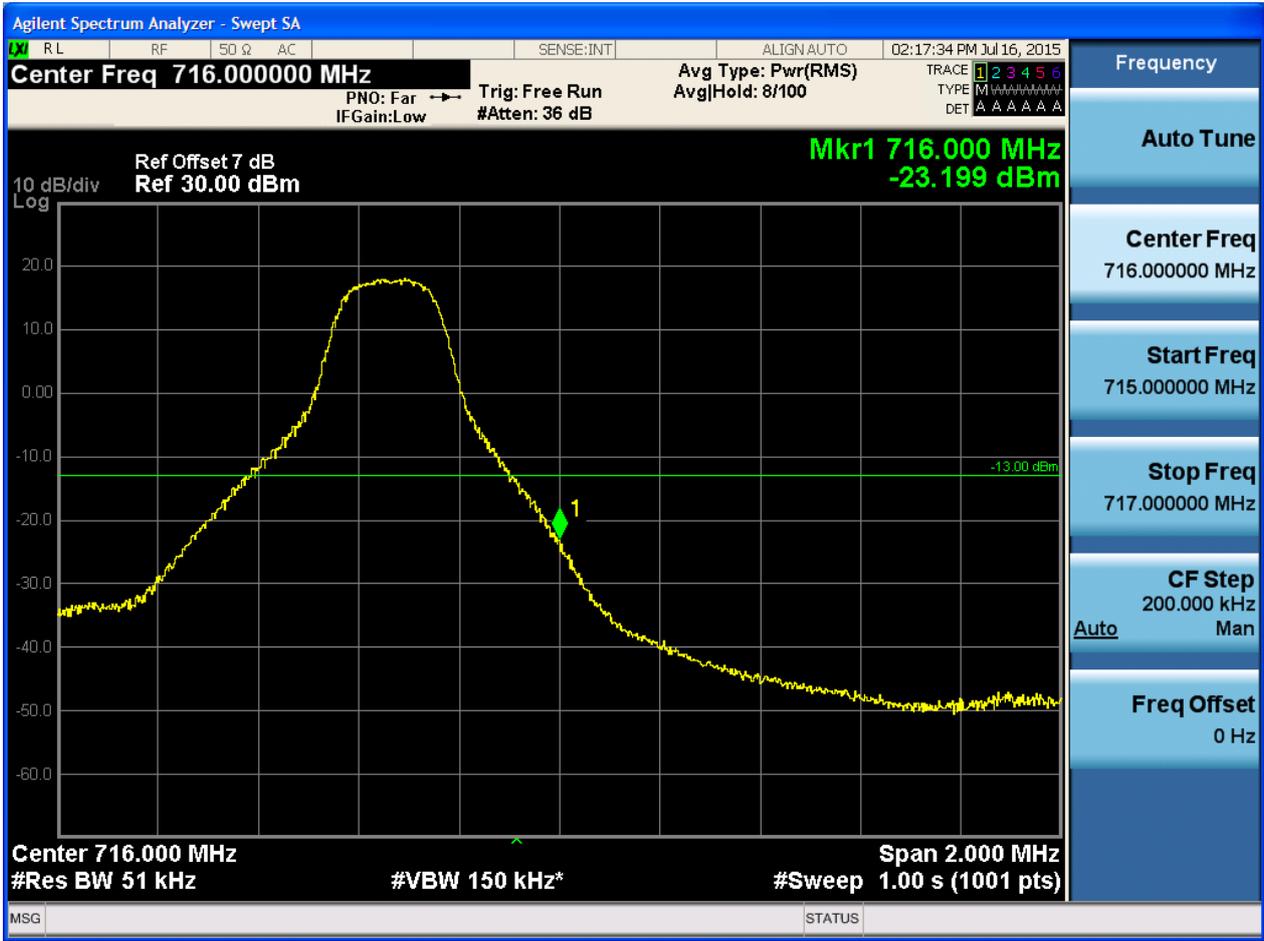
5.1.1.2.2.1.4 Test RB = RB15#0

5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0
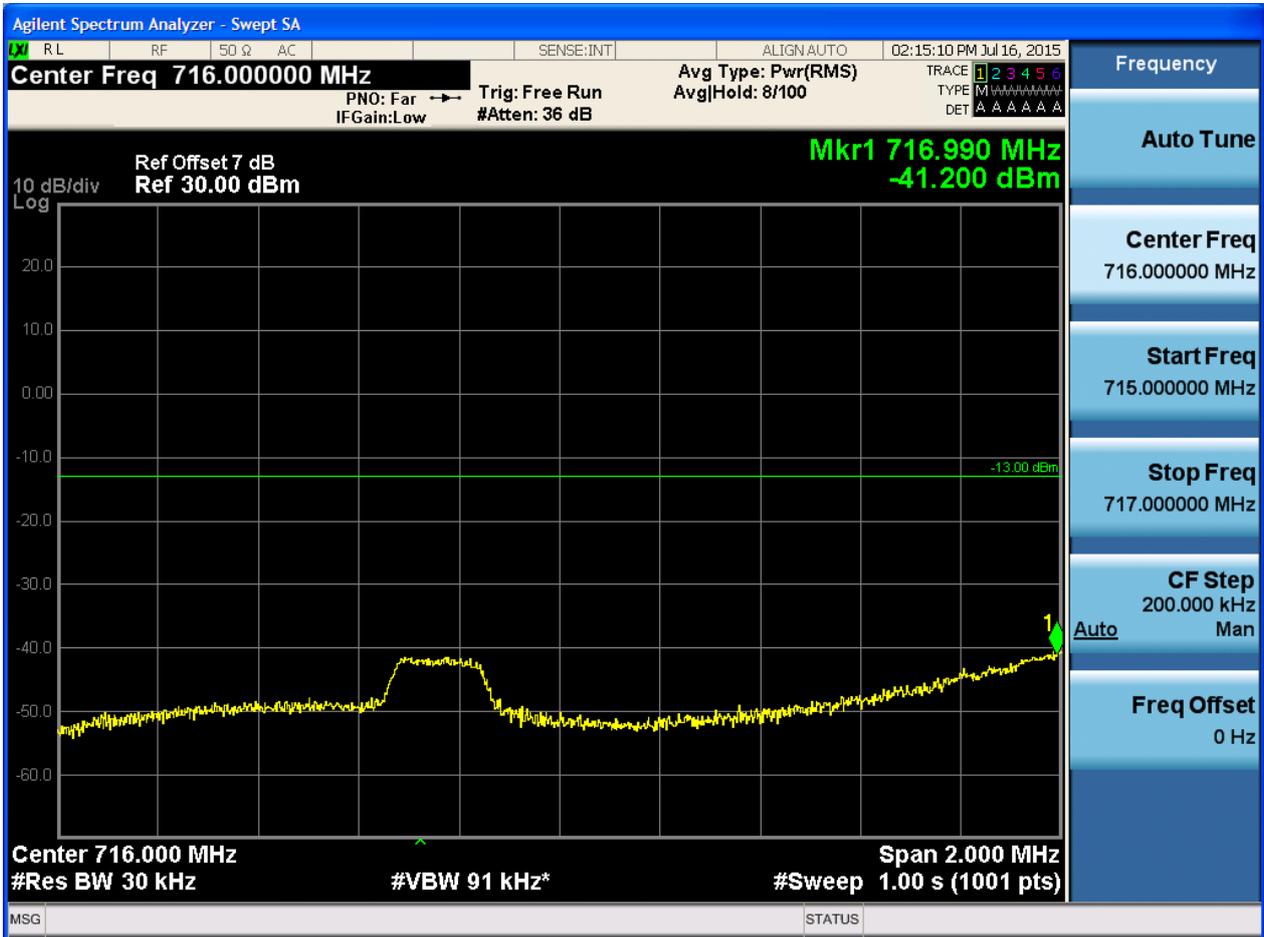
5.1.1.2.2.2.2 Test RB = RB1#14

5.1.1.2.2.2.3 Test RB = RB8#4

5.1.1.2.2.2.4 Test RB = RB15#0
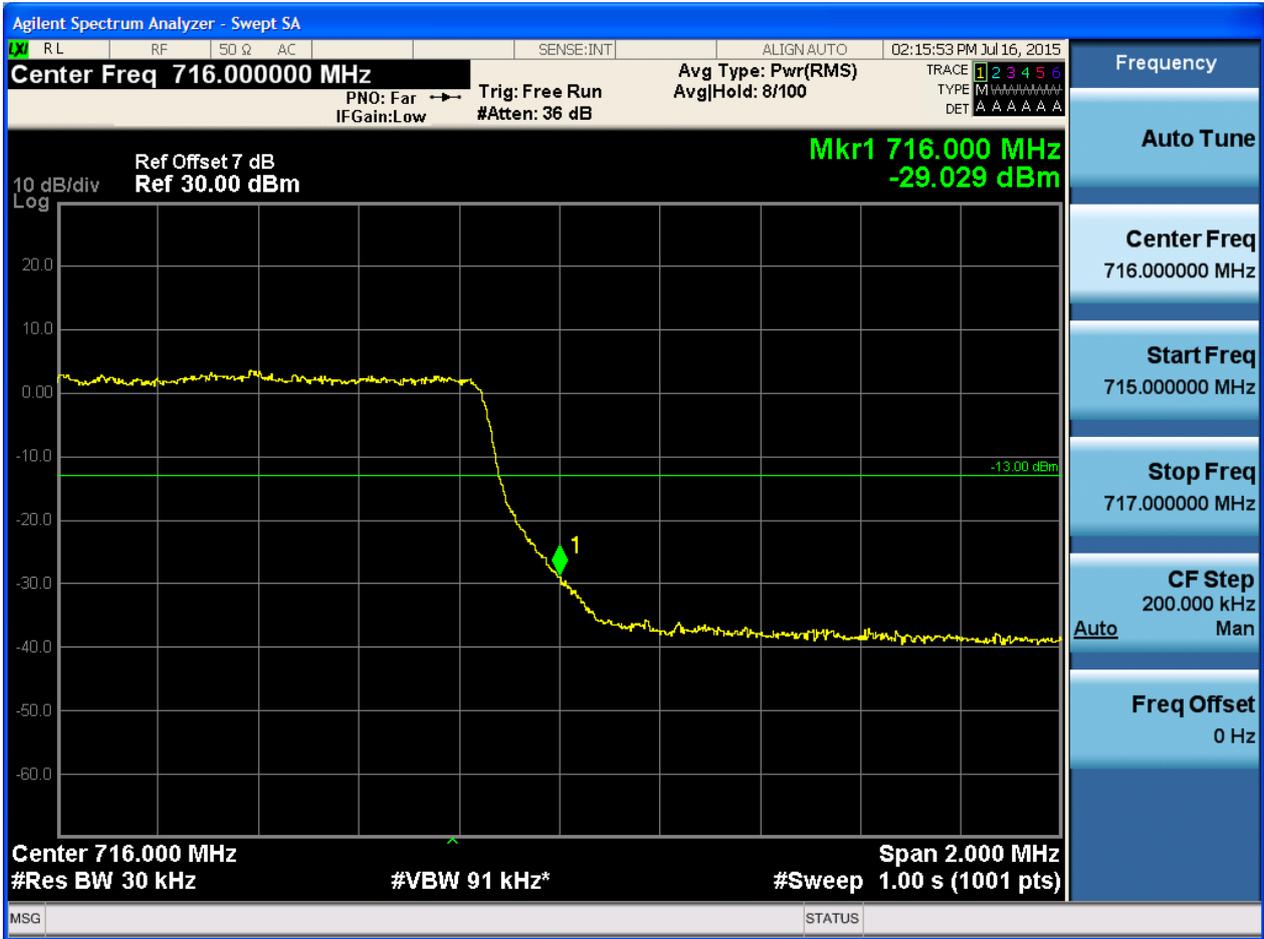
5.1.1.2.3 Test Bandwidth = 5

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0

5.1.1.2.3.1.2 Test RB = RB1#24

5.1.1.2.3.1.3 Test RB = RB12#6

5.1.1.2.3.1.4 Test RB = RB25#0

5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0
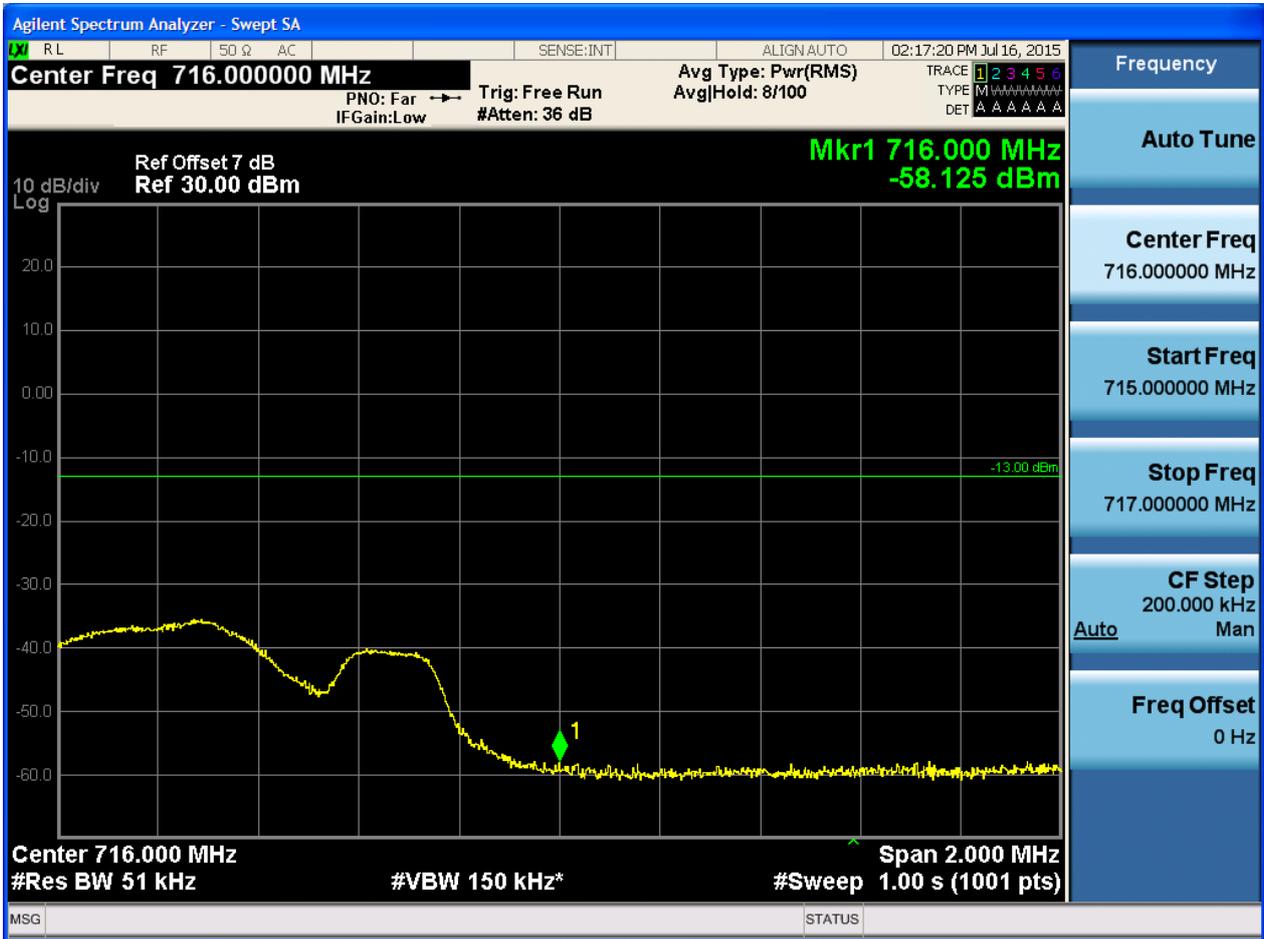
5.1.1.2.3.2.2 Test RB = RB1#24

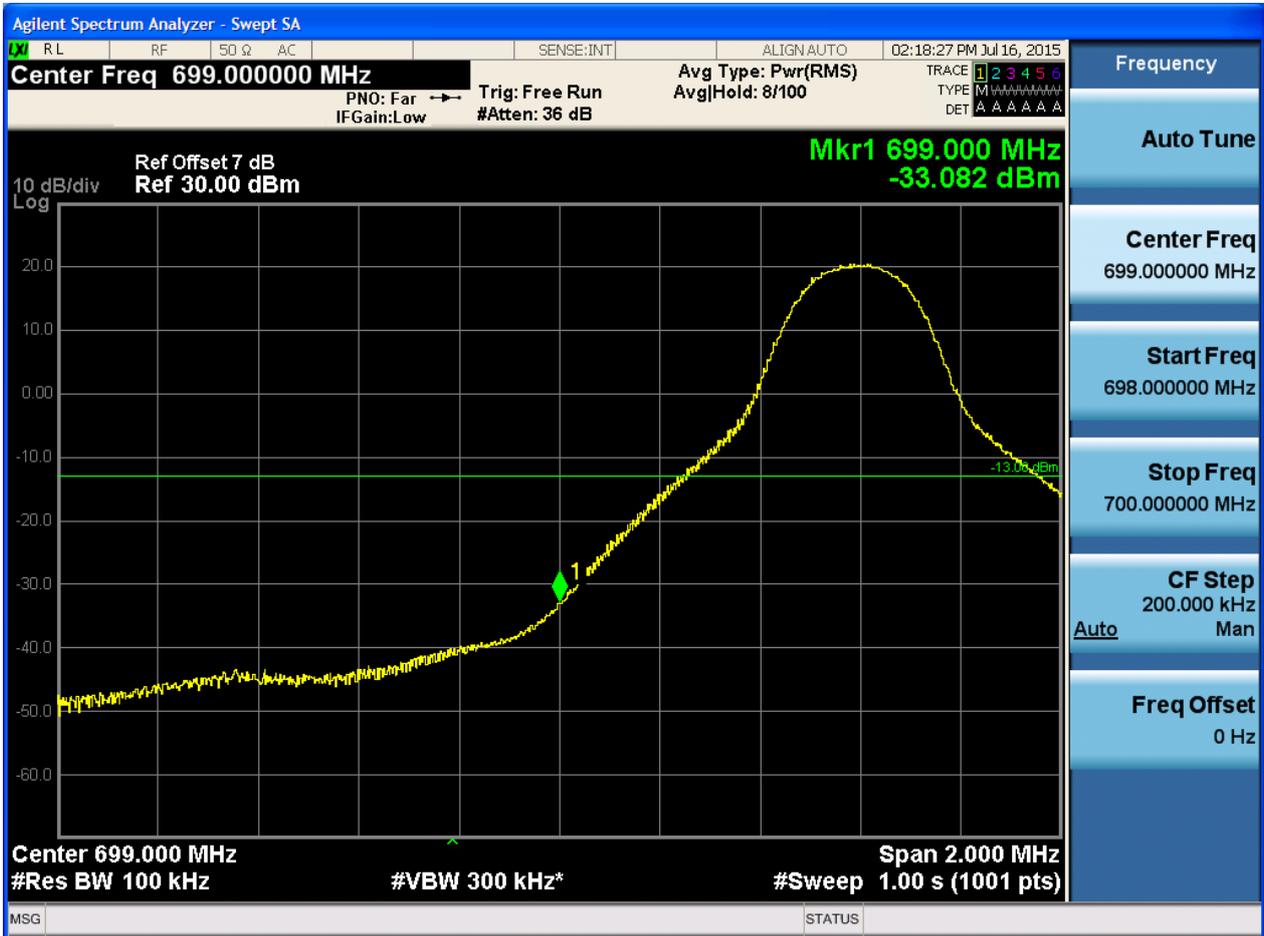## 5.1.1.2.3.2.3 Test RB = RB12#6

5.1.1.2.3.2.4 Test RB = RB25#0
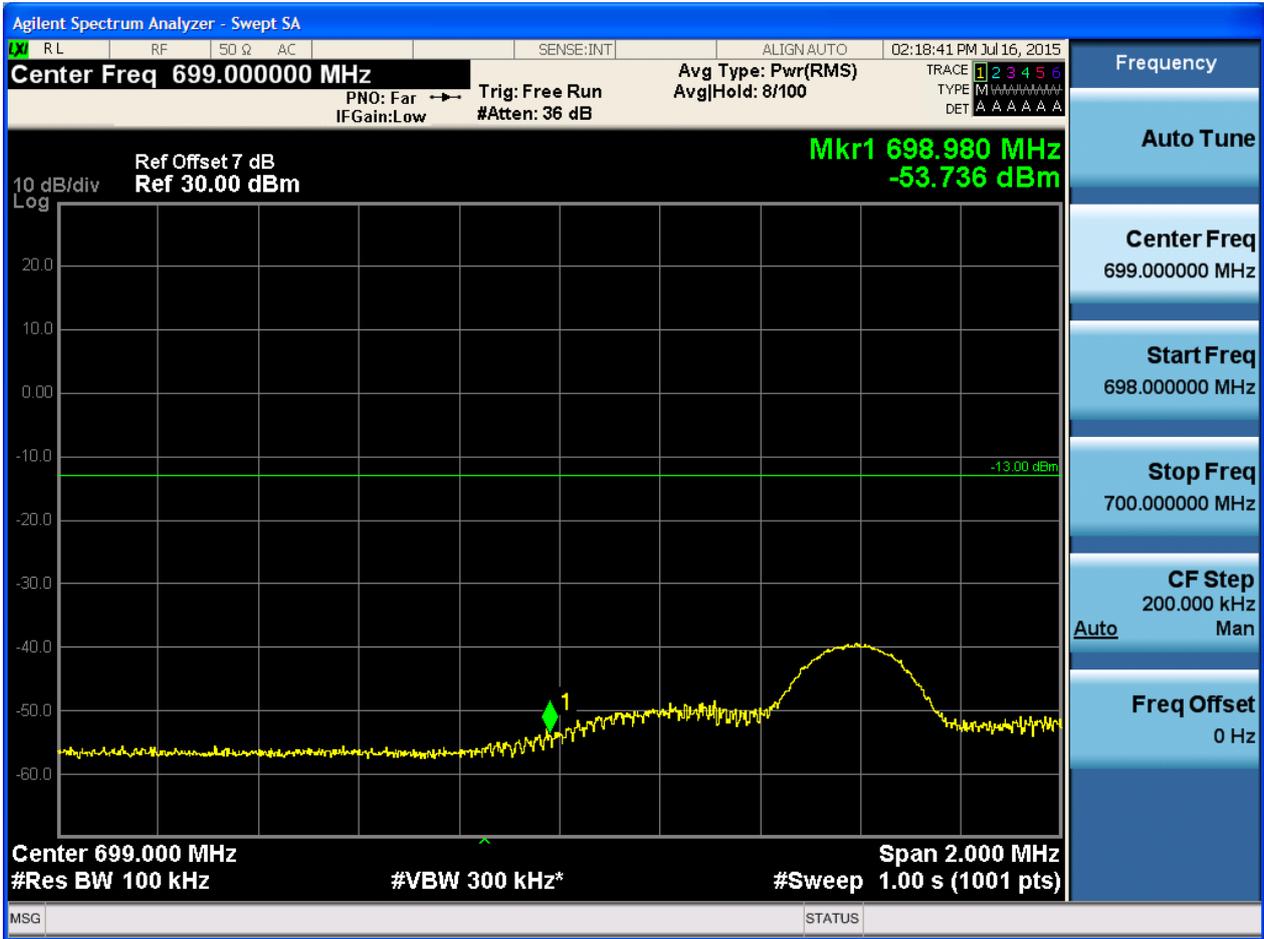
5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0

5.1.1.2.4.1.2 Test RB = RB1#49

5.1.1.2.4.1.3 Test RB = RB25#13

5.1.1.2.4.1.4 Test RB = RB50#0

5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0