



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	22.54	13.64	34.7	PASS
				RB1#3	22.72	13.82	34.7	PASS
				RB1#5	22.71	13.81	34.7	PASS
				RB3#0	22.56	13.66	34.7	PASS
				RB3#2	22.62	13.72	34.7	PASS
				RB3#3	22.57	13.67	34.7	PASS
				RB6#0	21.35	12.45	34.7	PASS
			MCH	RB1#0	22.35	13.45	34.7	PASS
				RB1#3	22.6	13.7	34.7	PASS
				RB1#5	22.52	13.62	34.7	PASS
				RB3#0	22.49	13.59	34.7	PASS
				RB3#2	22.57	13.67	34.7	PASS
				RB3#3	22.48	13.58	34.7	PASS
				RB6#0	21.28	12.38	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.38	13.48	34.7	PASS
				RB1#3	22.44	13.54	34.7	PASS
				RB1#5	21.11	12.21	34.7	PASS
				RB3#0	22.66	13.76	34.7	PASS
				RB3#2	22.63	13.73	34.7	PASS
				RB3#3	21.18	12.28	34.7	PASS
				RB6#0	21.61	12.71	34.7	PASS
		3	LCH	RB1#0	22.48	13.58	34.7	PASS
				RB1#7	23.02	14.12	34.7	PASS
				RB1#14	22.62	13.72	34.7	PASS
				RB8#0	21.4	12.5	34.7	PASS
				RB8#4	21.66	12.76	34.7	PASS
				RB8#7	21.81	12.91	34.7	PASS
				RB15#0	21.42	12.52	34.7	PASS
			MCH	RB1#0	22.39	13.49	34.7	PASS
				RB1#7	22.77	13.87	34.7	PASS
				RB1#14	22.56	13.66	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.38	12.48	34.7	PASS
				RB8#4	21.54	12.64	34.7	PASS
				RB8#7	21.46	12.56	34.7	PASS
				RB15#0	21.43	12.53	34.7	PASS
			HCH	RB1#0	22.63	13.73	34.7	PASS
				RB1#7	22.91	14.01	34.7	PASS
				RB1#14	21.03	12.13	34.7	PASS
				RB8#0	21.63	12.73	34.7	PASS
				RB8#4	21.77	12.87	34.7	PASS
				RB8#7	21.62	12.72	34.7	PASS
				RB15#0	21.75	12.85	34.7	PASS
		5	LCH	RB1#0	22.72	13.82	34.7	PASS
				RB1#13	23.38	14.48	34.7	PASS
				RB1#24	22.69	13.79	34.7	PASS
				RB12#0	21.99	13.09	34.7	PASS
				RB12#6	22.32	13.42	34.7	PASS
				RB12#13	21.98	13.08	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.97	13.07	34.7	PASS
			MCH	RB1#0	22.62	13.72	34.7	PASS
				RB1#13	23.24	14.34	34.7	PASS
				RB1#24	22.66	13.76	34.7	PASS
				RB12#0	21.77	12.87	34.7	PASS
				RB12#6	21.94	13.04	34.7	PASS
				RB12#13	21.77	12.87	34.7	PASS
				RB25#0	21.76	12.86	34.7	PASS
			HCH	RB1#0	22.79	13.89	34.7	PASS
				RB1#13	23.33	14.43	34.7	PASS
				RB1#24	21.1	12.2	34.7	PASS
				RB12#0	22.24	13.34	34.7	PASS
				RB12#6	22.3	13.4	34.7	PASS
				RB12#13	22.03	13.13	34.7	PASS
				RB25#0	22.16	13.26	34.7	PASS
		10	LCH	RB1#0	22.86	13.96	34.7	PASS
				RB1#25	23.37	14.47	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	23.08	14.18	34.7	PASS
				RB25#0	21.91	13.01	34.7	PASS
				RB25#13	21.85	12.95	34.7	PASS
				RB25#25	21.76	12.86	34.7	PASS
				RB50#0	21.75	12.85	34.7	PASS
			MCH	RB1#0	22.81	13.91	34.7	PASS
				RB1#25	23.33	14.43	34.7	PASS
				RB1#49	23.11	14.21	34.7	PASS
				RB25#0	21.74	12.84	34.7	PASS
				RB25#13	21.77	12.87	34.7	PASS
				RB25#25	21.75	12.85	34.7	PASS
				RB50#0	21.88	12.98	34.7	PASS
			HCH	RB1#0	22.84	13.94	34.7	PASS
				RB1#25	23.39	14.49	34.7	PASS
				RB1#49	22.84	13.94	34.7	PASS
				RB25#0	21.71	12.81	34.7	PASS
				RB25#13	22.14	13.24	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.92	13.02	34.7	PASS
				RB50#0	21.93	13.03	34.7	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.57	12.67	34.7	PASS
				RB1#3	21.75	12.85	34.7	PASS
				RB1#5	21.72	12.82	34.7	PASS
				RB3#0	21.43	12.53	34.7	PASS
				RB3#2	21.49	12.59	34.7	PASS
				RB3#3	21.61	12.71	34.7	PASS
				RB6#0	20.46	11.56	34.7	PASS
			MCH	RB1#0	21.47	12.57	34.7	PASS
				RB1#3	21.75	12.85	34.7	PASS
				RB1#5	21.66	12.76	34.7	PASS
				RB3#0	21.54	12.64	34.7	PASS
				RB3#2	21.57	12.67	34.7	PASS
				RB3#3	21.57	12.67	34.7	PASS
				RB6#0	20.48	11.58	34.7	PASS
			HCH	RB1#0	21.56	12.66	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#3	21.82	12.92	34.7	PASS
				RB1#5	19.87	10.97	34.7	PASS
				RB3#0	21.74	12.84	34.7	PASS
				RB3#2	21.69	12.79	34.7	PASS
				RB3#3	20.06	11.16	34.7	PASS
				RB6#0	20.3	11.4	34.7	PASS
		3	LCH	RB1#0	21.08	12.18	34.7	PASS
				RB1#7	21.69	12.79	34.7	PASS
				RB1#14	21.51	12.61	34.7	PASS
				RB8#0	20.29	11.39	34.7	PASS
				RB8#4	20.56	11.66	34.7	PASS
				RB8#7	20.49	11.59	34.7	PASS
				RB15#0	20.34	11.44	34.7	PASS
			MCH	RB1#0	21.28	12.38	34.7	PASS
				RB1#7	21.51	12.61	34.7	PASS
				RB1#14	21.5	12.6	34.7	PASS
				RB8#0	20.28	11.38	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#4	20.44	11.54	34.7	PASS
				RB8#7	20.38	11.48	34.7	PASS
				RB15#0	20.35	11.45	34.7	PASS
			HCH	RB1#0	21.79	12.89	34.7	PASS
				RB1#7	21.94	13.04	34.7	PASS
				RB1#14	19.95	11.05	34.7	PASS
				RB8#0	20.34	11.44	34.7	PASS
				RB8#4	20.48	11.58	34.7	PASS
				RB8#7	20.31	11.41	34.7	PASS
				RB15#0	20.48	11.58	34.7	PASS
		5	LCH	RB1#0	21.86	12.96	34.7	PASS
				RB1#13	22.53	13.63	34.7	PASS
				RB1#24	21.85	12.95	34.7	PASS
				RB12#0	20.73	11.83	34.7	PASS
				RB12#6	21.06	12.16	34.7	PASS
				RB12#13	20.71	11.81	34.7	PASS
				RB25#0	20.69	11.79	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.72	12.82	34.7	PASS
				RB1#13	22.13	13.23	34.7	PASS
				RB1#24	21.6	12.7	34.7	PASS
				RB12#0	20.49	11.59	34.7	PASS
				RB12#6	20.87	11.97	34.7	PASS
				RB12#13	20.7	11.8	34.7	PASS
				RB25#0	20.68	11.78	34.7	PASS
			HCH	RB1#0	21.93	13.03	34.7	PASS
				RB1#13	22.52	13.62	34.7	PASS
				RB1#24	20.22	11.32	34.7	PASS
				RB12#0	20.99	12.09	34.7	PASS
				RB12#6	21.25	12.35	34.7	PASS
				RB12#13	20.97	12.07	34.7	PASS
				RB25#0	21.08	12.18	34.7	PASS
		10	LCH	RB1#0	21.61	12.71	34.7	PASS
				RB1#25	22.44	13.54	34.7	PASS
				RB1#49	21.85	12.95	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.55	11.65	34.7	PASS
				RB25#13	20.52	11.62	34.7	PASS
				RB25#25	20.39	11.49	34.7	PASS
				RB50#0	20.43	11.53	34.7	PASS
			MCH	RB1#0	21.9	13	34.7	PASS
				RB1#25	22.17	13.27	34.7	PASS
				RB1#49	22.23	13.33	34.7	PASS
				RB25#0	20.39	11.49	34.7	PASS
				RB25#13	20.65	11.75	34.7	PASS
				RB25#25	20.65	11.75	34.7	PASS
				RB50#0	20.59	11.69	34.7	PASS
			HCH	RB1#0	21.91	13.01	34.7	PASS
				RB1#25	22.28	13.38	34.7	PASS
				RB1#49	21.91	13.01	34.7	PASS
				RB25#0	20.62	11.72	34.7	PASS
				RB25#13	20.86	11.96	34.7	PASS
				RB25#25	20.59	11.69	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.65	11.75	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,

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

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

b, SGP=Signal Generator Level

Note2: 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	4.87	13	PASS
				RB1#3	4.73	13	PASS
				RB1#5	4.83	13	PASS
				RB3#0	5.17	13	PASS
				RB3#2	5.15	13	PASS
				RB3#3	5.26	13	PASS
				RB6#0	5.91	13	PASS
			MCH	RB1#0	5.26	13	PASS
				RB1#3	5.03	13	PASS
				RB1#5	4.66	13	PASS
				RB3#0	5.33	13	PASS
				RB3#2	5.18	13	PASS
				RB3#3	5.33	13	PASS
				RB6#0	5.67	13	PASS
			HCH	RB1#0	4.96	13	PASS
				RB1#3	4.92	13	PASS
				RB1#5	4.97	13	PASS
				RB3#0	5.3	13	PASS
				RB3#2	5.17	13	PASS
				RB3#3	5.69	13	PASS
				RB6#0	5.7	13	PASS
		3	LCH	RB1#0	4.66	13	PASS
				RB1#7	4.45	13	PASS
				RB1#14	4.76	13	PASS
				RB8#0	5.56	13	PASS
				RB8#4	5.37	13	PASS
				RB8#7	5.68	13	PASS
				RB15#0	5.78	13	PASS
			MCH	RB1#0	4.69	13	PASS
				RB1#7	4.66	13	PASS
				RB1#14	4.75	13	PASS
				RB8#0	5.43	13	PASS
				RB8#4	5.21	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	5.36	13	PASS
				RB15#0	5.67	13	PASS
			HCH	RB1#0	4.74	13	PASS
				RB1#7	4.73	13	PASS
				RB1#14	5.25	13	PASS
				RB8#0	5.76	13	PASS
				RB8#4	5.61	13	PASS
				RB8#7	5.51	13	PASS
				RB15#0	5.99	13	PASS
		5	LCH	RB1#0	4.67	13	PASS
				RB1#13	4.55	13	PASS
				RB1#24	4.95	13	PASS
				RB12#0	6.02	13	PASS
				RB12#6	5.88	13	PASS
				RB12#13	6.28	13	PASS
				RB25#0	6.3	13	PASS
			MCH	RB1#0	5.24	13	PASS
				RB1#13	4.58	13	PASS
				RB1#24	4.88	13	PASS
				RB12#0	6.2	13	PASS
				RB12#6	5.64	13	PASS
				RB12#13	5.79	13	PASS
				RB25#0	5.85	13	PASS
			HCH	RB1#0	4.52	13	PASS
				RB1#13	4.41	13	PASS
				RB1#24	5.06	13	PASS
				RB12#0	5.86	13	PASS
				RB12#6	5.84	13	PASS
				RB12#13	6.03	13	PASS
				RB25#0	6.12	13	PASS
		10	LCH	RB1#0	4.6	13	PASS
				RB1#25	4.68	13	PASS
				RB1#49	4.59	13	PASS
				RB25#0	6.06	13	PASS
				RB25#13	6.07	13	PASS
				RB25#25	6.13	13	PASS
				RB50#0	6.38	13	PASS
			MCH	RB1#0	4.77	13	PASS
				RB1#25	4.3	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.42	13	PASS
				RB25#0	6.21	13	PASS
				RB25#13	5.59	13	PASS
				RB25#25	5.61	13	PASS
				RB50#0	6.06	13	PASS
			HCH	RB1#0	4.7	13	PASS
				RB1#25	4.2	13	PASS
				RB1#49	4.65	13	PASS
				RB25#0	5.69	13	PASS
				RB25#13	5.72	13	PASS
				RB25#25	6.04	13	PASS
				RB50#0	5.9	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.74	13	PASS
				RB1#3	5.66	13	PASS
				RB1#5	5.68	13	PASS
				RB3#0	5.98	13	PASS
				RB3#2	5.88	13	PASS
				RB3#3	5.99	13	PASS
				RB6#0	6.48	13	PASS
			MCH	RB1#0	6.12	13	PASS
				RB1#3	5.87	13	PASS
				RB1#5	5.3	13	PASS
				RB3#0	5.77	13	PASS
				RB3#2	5.64	13	PASS
				RB3#3	5.78	13	PASS
				RB6#0	6.29	13	PASS
			HCH	RB1#0	5.58	13	PASS
				RB1#3	6.19	13	PASS
				RB1#5	5.62	13	PASS
				RB3#0	6.06	13	PASS
				RB3#2	6	13	PASS
				RB3#3	6.09	13	PASS
				RB6#0	6.3	13	PASS
		3	LCH	RB1#0	6.04	13	PASS
				RB1#7	5.29	13	PASS
				RB1#14	6.03	13	PASS
				RB8#0	6.41	13	PASS
				RB8#4	6.31	13	PASS
				RB8#7	6.33	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB15#0	6.47	13	PASS
				RB1#0	6.3	13	PASS
			MCH	RB1#7	5.23	13	PASS
				RB1#14	6.09	13	PASS
				RB8#0	6.27	13	PASS
				RB8#4	6.12	13	PASS
				RB8#7	6.2	13	PASS
				RB15#0	6.3	13	PASS
			HCH	RB1#0	5.94	13	PASS
				RB1#7	6.28	13	PASS
				RB1#14	6.13	13	PASS
				RB8#0	6.23	13	PASS
				RB8#4	6.43	13	PASS
				RB8#7	6.17	13	PASS
				RB15#0	6.62	13	PASS
		5	LCH	RB1#0	5.57	13	PASS
				RB1#13	5.31	13	PASS
				RB1#24	5.88	13	PASS
				RB12#0	6.19	13	PASS
				RB12#6	6.02	13	PASS
				RB12#13	6.25	13	PASS
				RB25#0	6.63	13	PASS
			MCH	RB1#0	6.15	13	PASS
				RB1#13	5.49	13	PASS
				RB1#24	5.65	13	PASS
				RB12#0	6.38	13	PASS
				RB12#6	6.25	13	PASS
				RB12#13	6.2	13	PASS
				RB25#0	6.49	13	PASS
			HCH	RB1#0	5.6	13	PASS
				RB1#13	5.39	13	PASS
				RB1#24	6.18	13	PASS
				RB12#0	6.06	13	PASS
				RB12#6	6.33	13	PASS
				RB12#13	6.41	13	PASS
				RB25#0	6.83	13	PASS
		10	LCH	RB1#0	5.8	13	PASS
				RB1#25	6.02	13	PASS
				RB1#49	5.74	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.61	13	PASS
				RB25#13	6.55	13	PASS
				RB25#25	6.73	13	PASS
				RB50#0	6.98	13	PASS
			MCH	RB1#0	6.1	13	PASS
				RB1#25	5.49	13	PASS
				RB1#49	5.62	13	PASS
				RB25#0	6.64	13	PASS
				RB25#13	6.34	13	PASS
				RB25#25	6.4	13	PASS
				RB50#0	6.86	13	PASS
			HCH	RB1#0	5.85	13	PASS
				RB1#25	5.13	13	PASS
				RB1#49	5.75	13	PASS
				RB25#0	6.52	13	PASS
				RB25#13	6.18	13	PASS
				RB25#25	6.5	13	PASS
				RB50#0	6.56	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

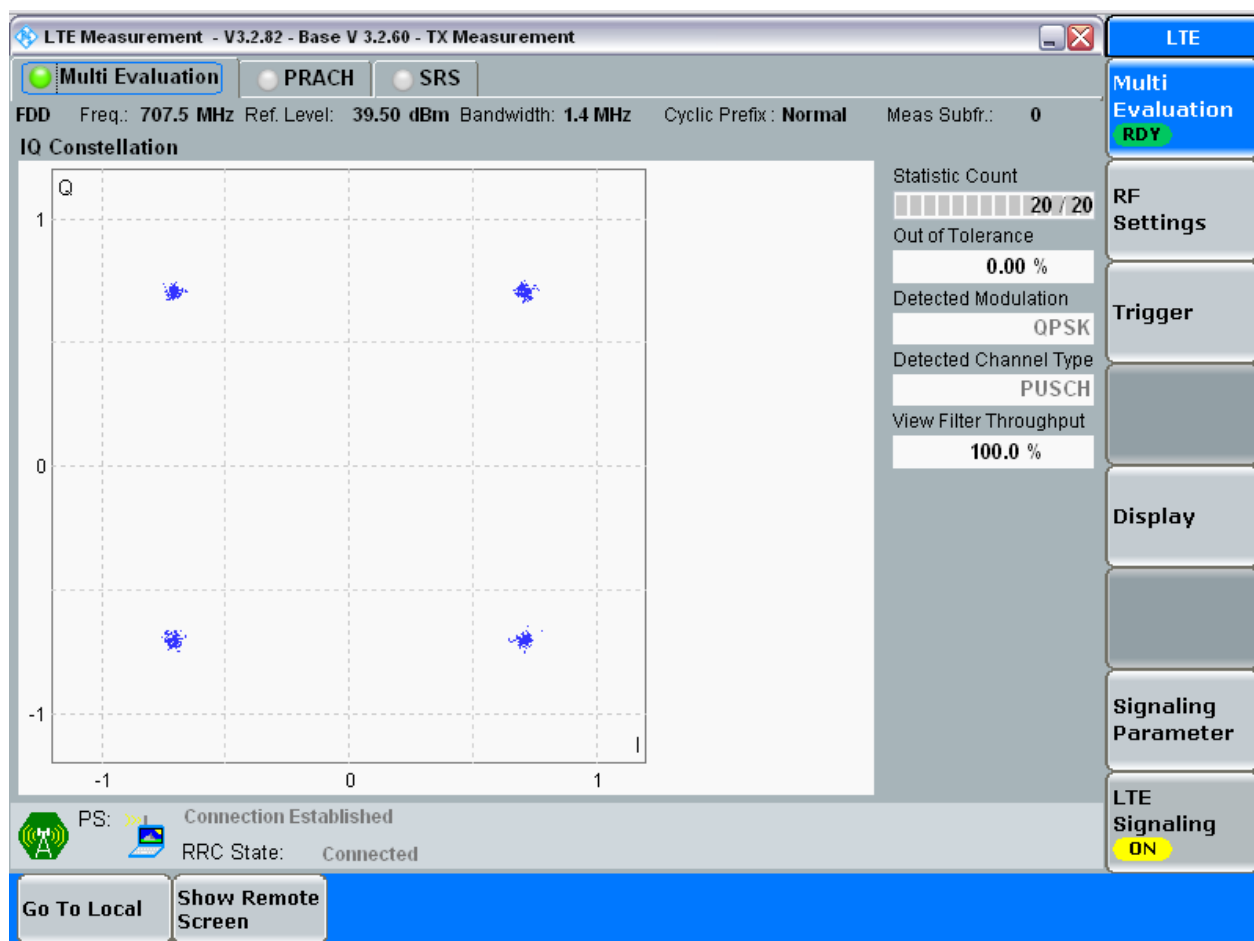
3.1.1 Test Band = BAND12

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

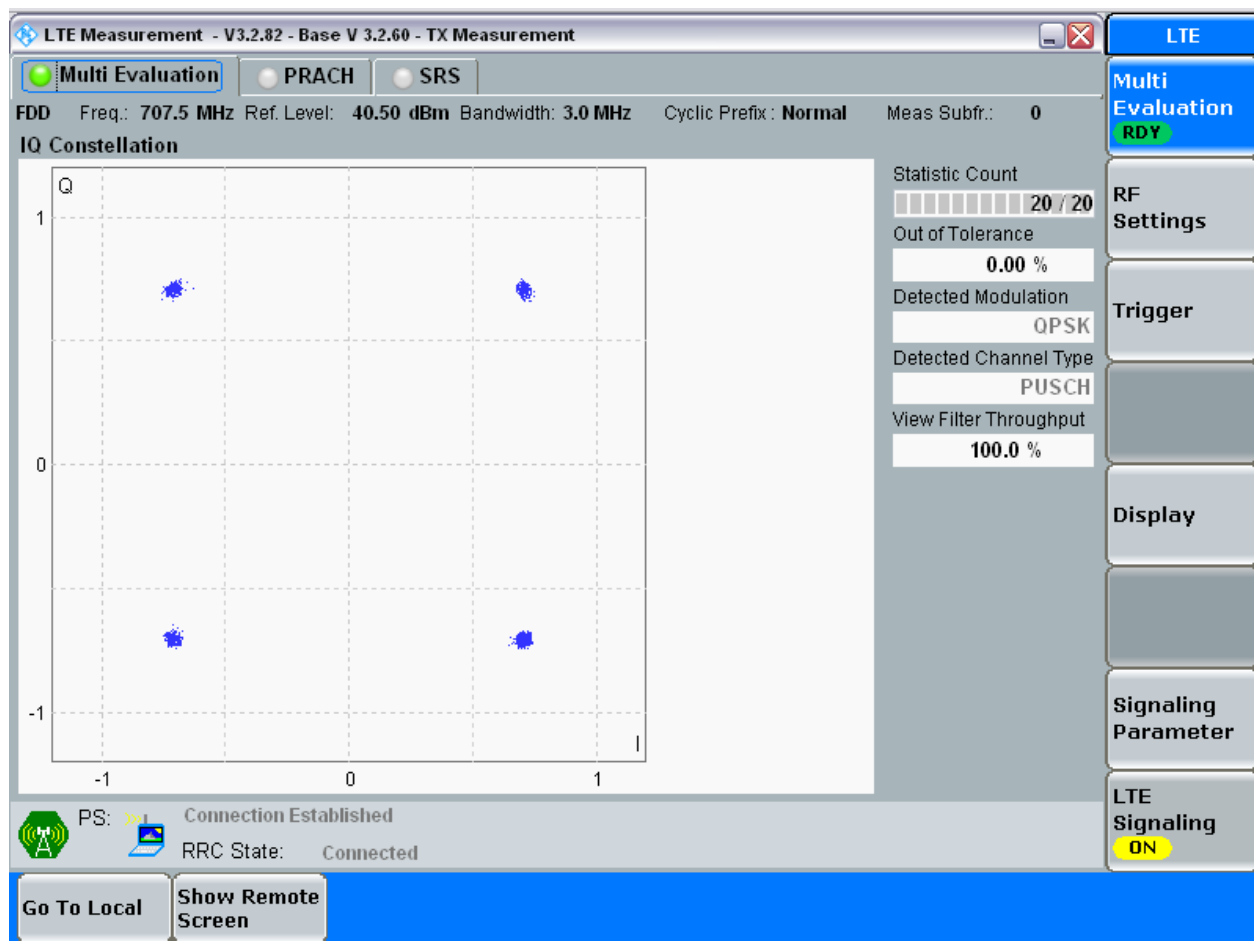
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

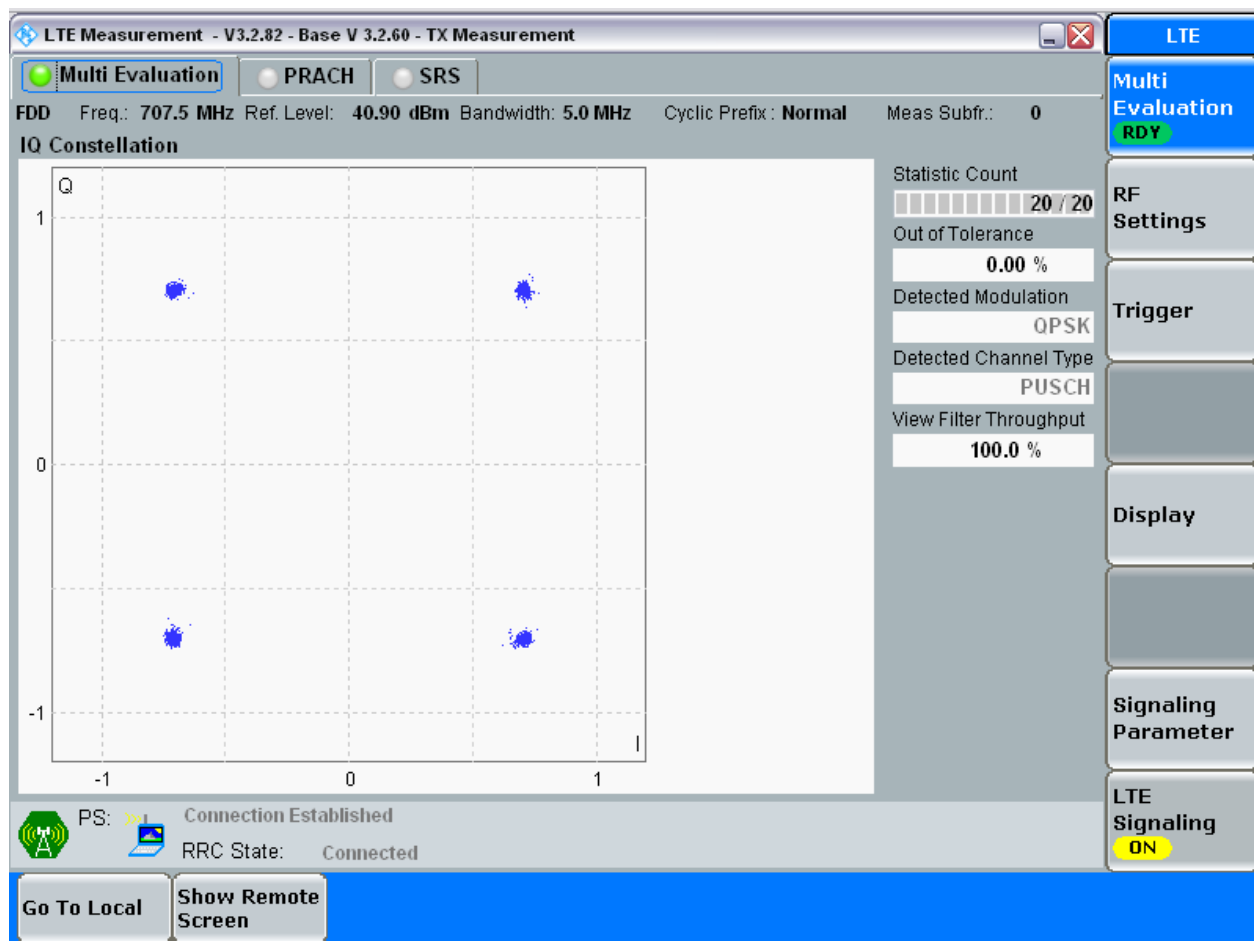
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

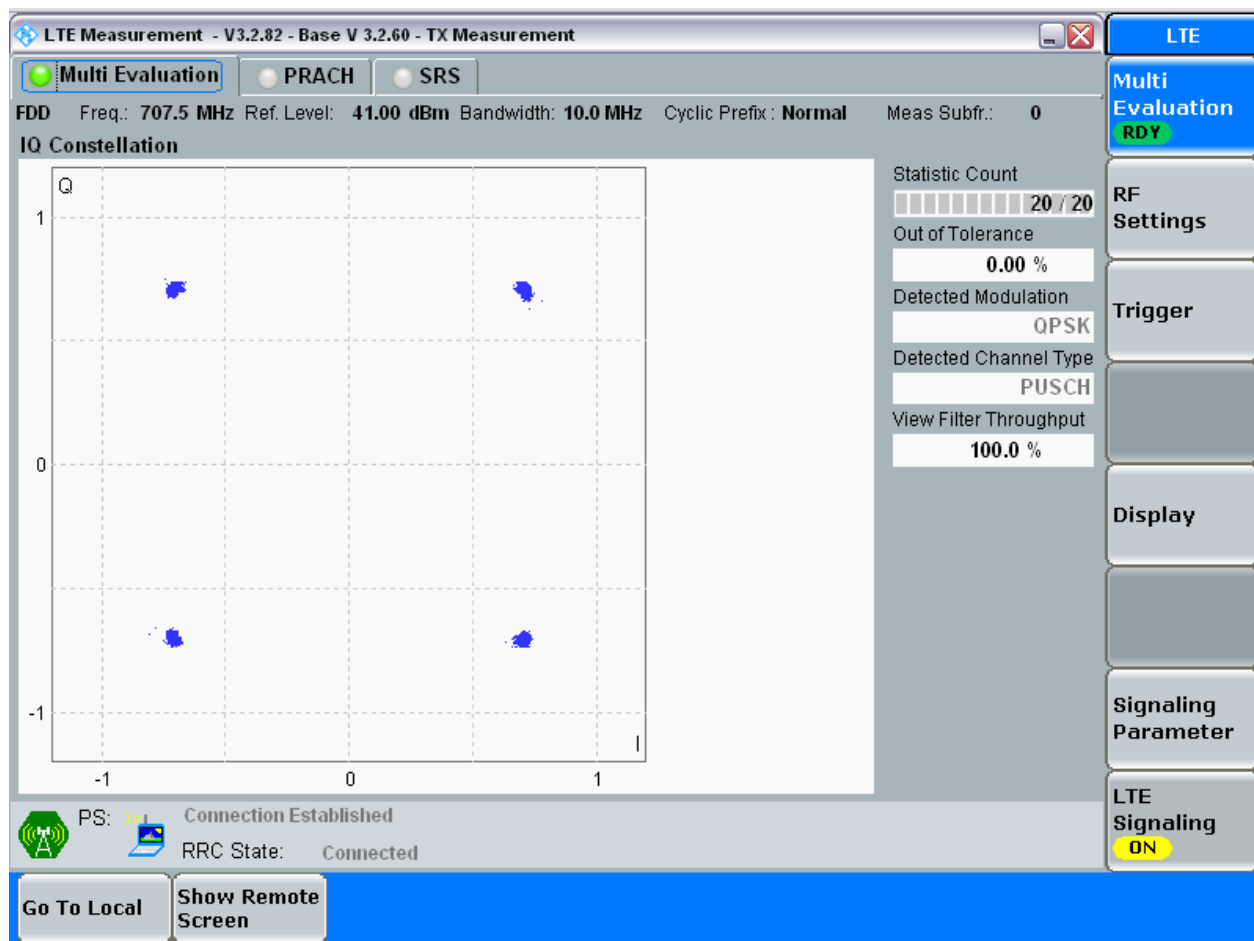
3.1.1.1.3.1.1 Test RB = RB25#0



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

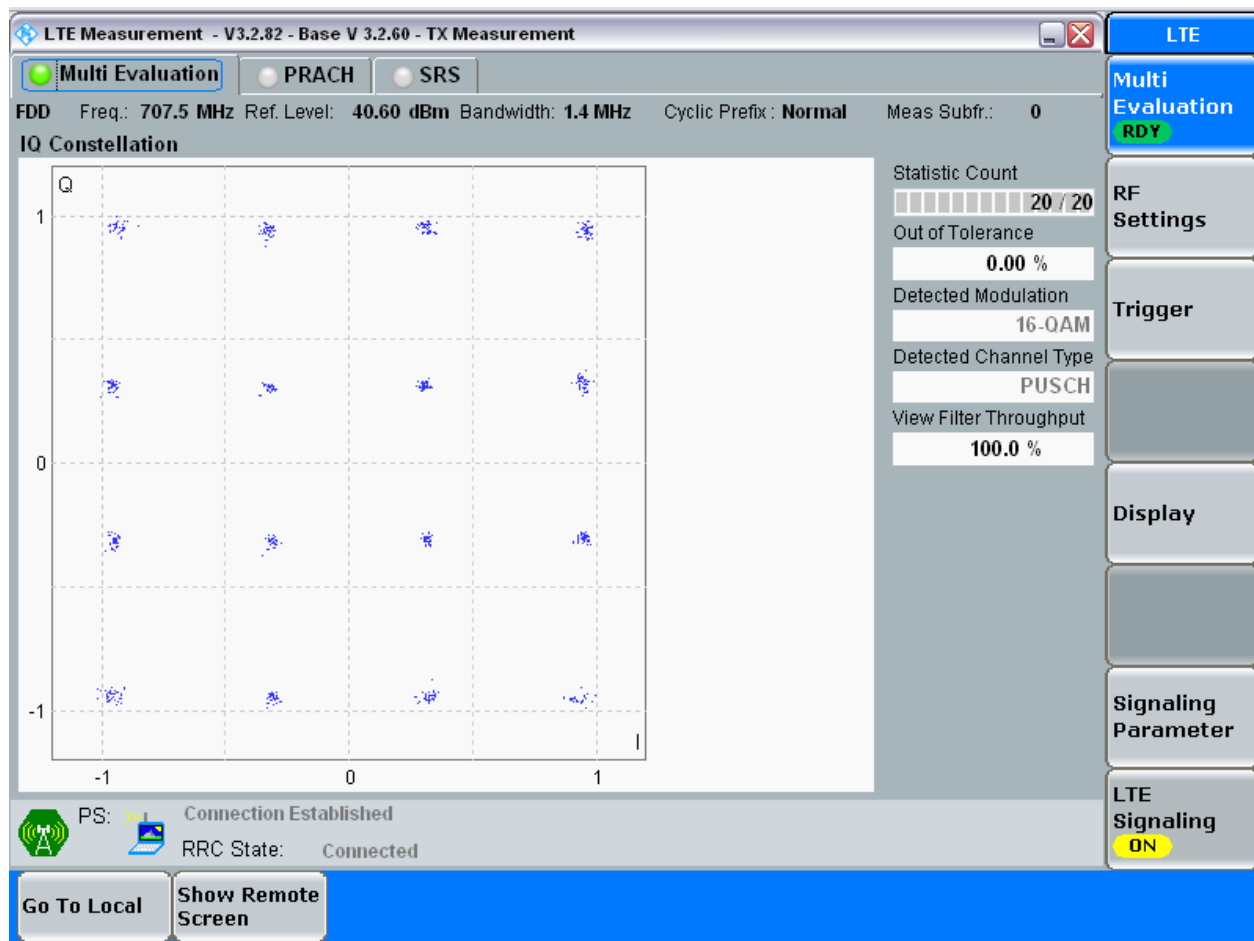


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

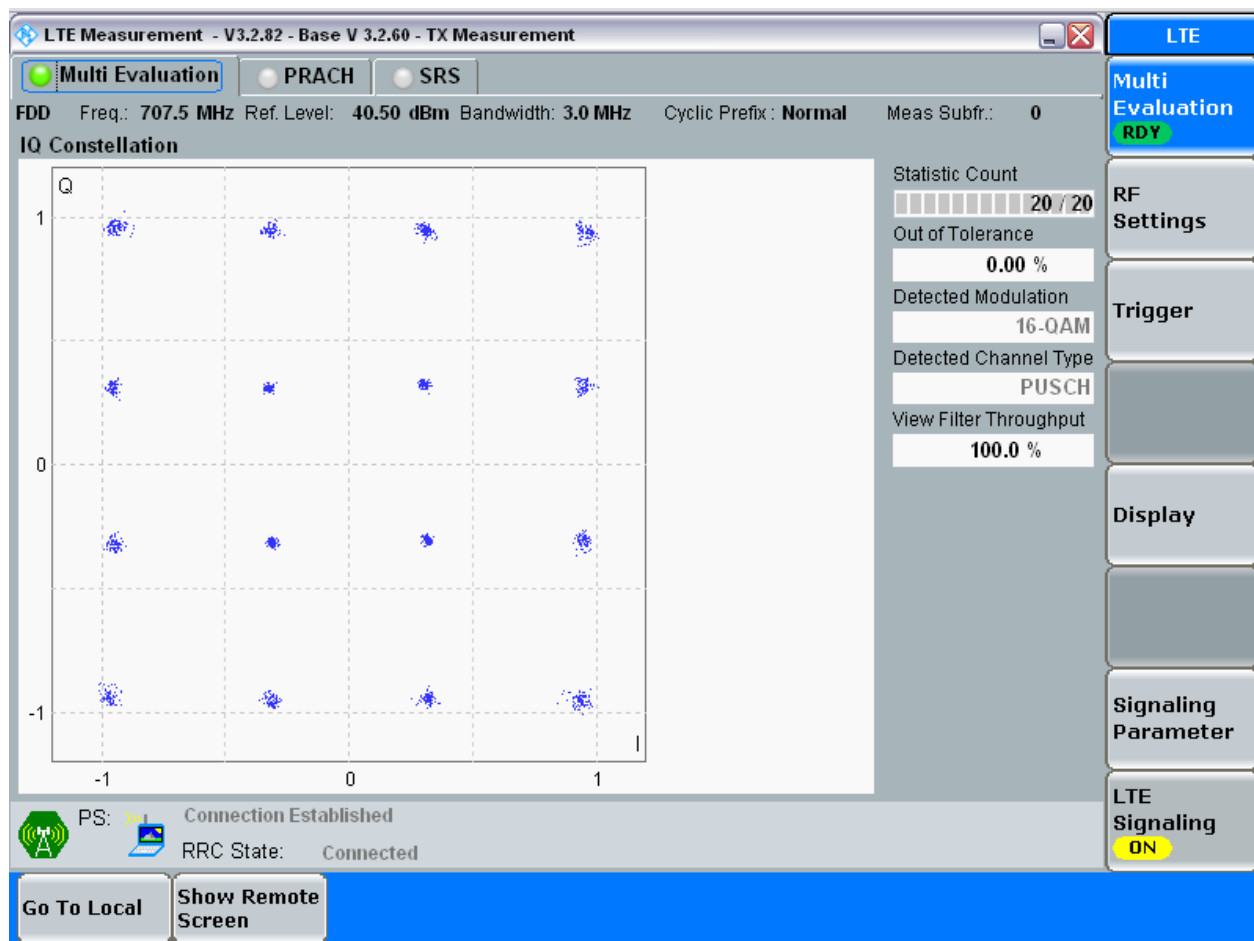
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

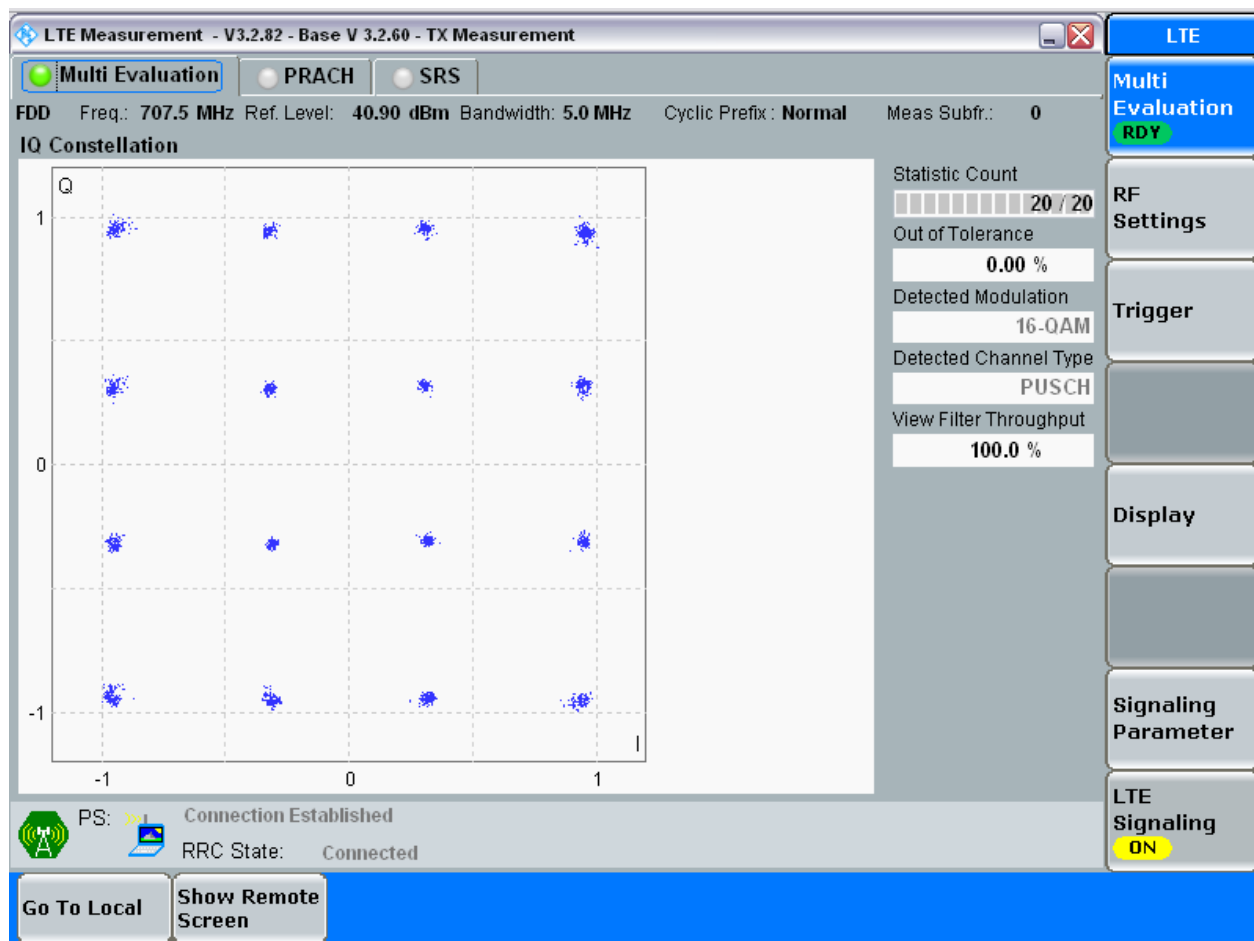
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

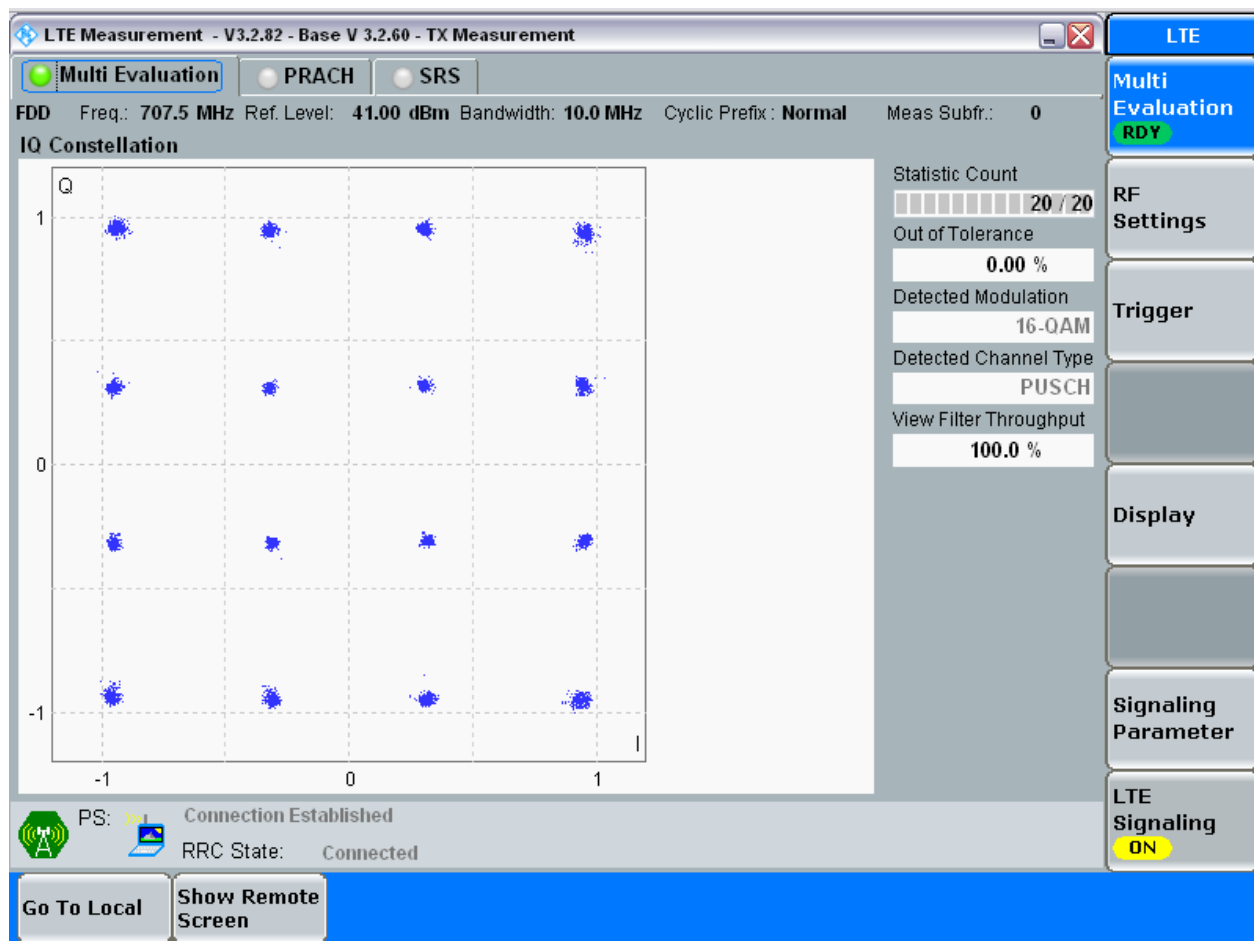
3.1.1.2.3.1.1 Test RB = RB25#0



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	1.09	1.22	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.71	2.94	Pass
		5	LCH	RB25#0	4.49	4.87	Pass
			MCH	RB25#0	4.49	4.84	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	9.02	9.67	Pass
			MCH	RB50#0	8.98	9.61	Pass
			HCH	RB50#0	8.96	9.63	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.71	2.94	Pass
			MCH	RB15#0	2.71	2.95	Pass
			HCH	RB15#0	2.71	2.94	Pass
		5	LCH	RB25#0	4.49	4.84	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	9.02	9.71	Pass
			MCH	RB50#0	8.98	9.62	Pass
			HCH	RB50#0	8.97	9.54	Pass



Part II - Test Plots

4.1 For LTE

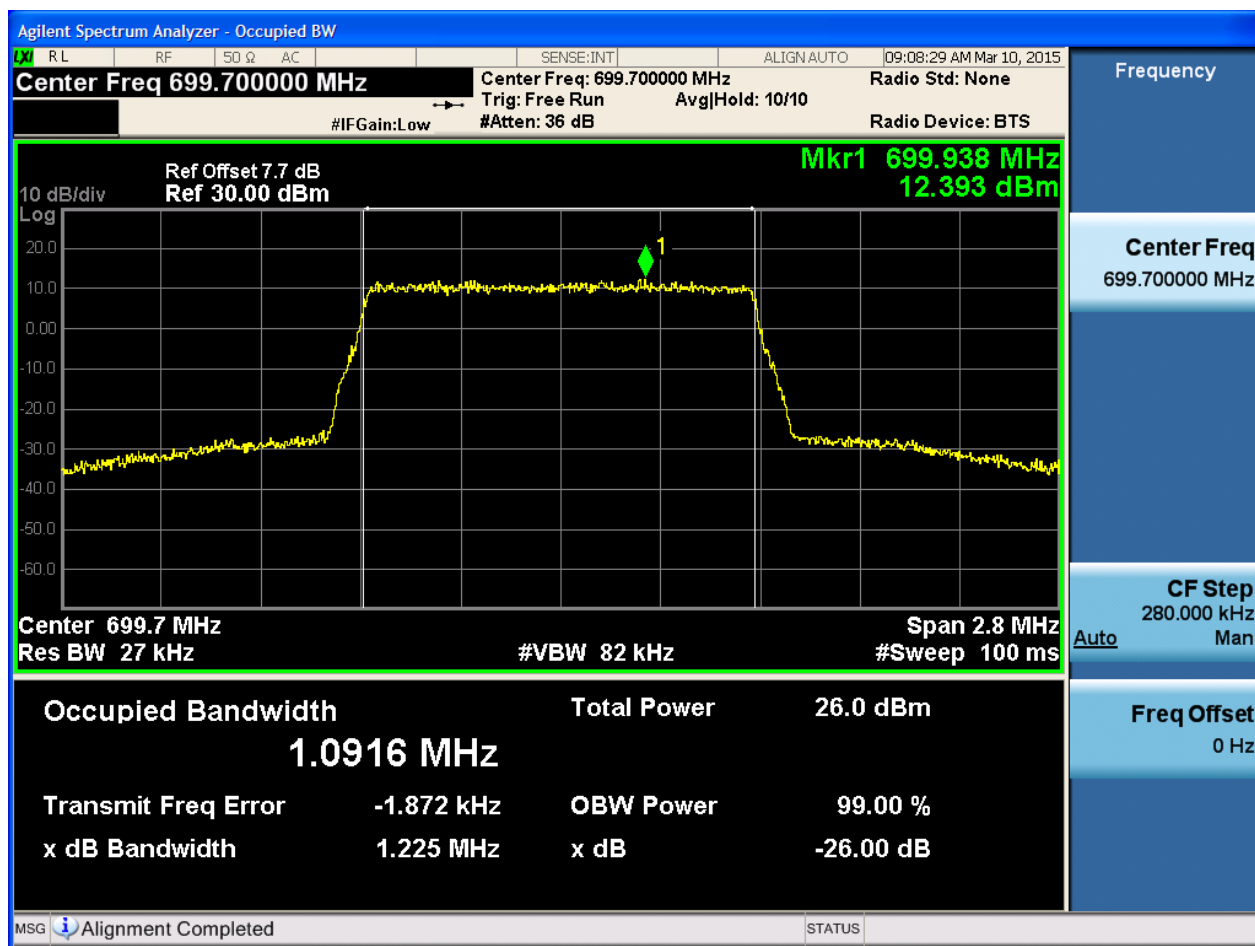
4.1.1 Test Band = BAND12

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

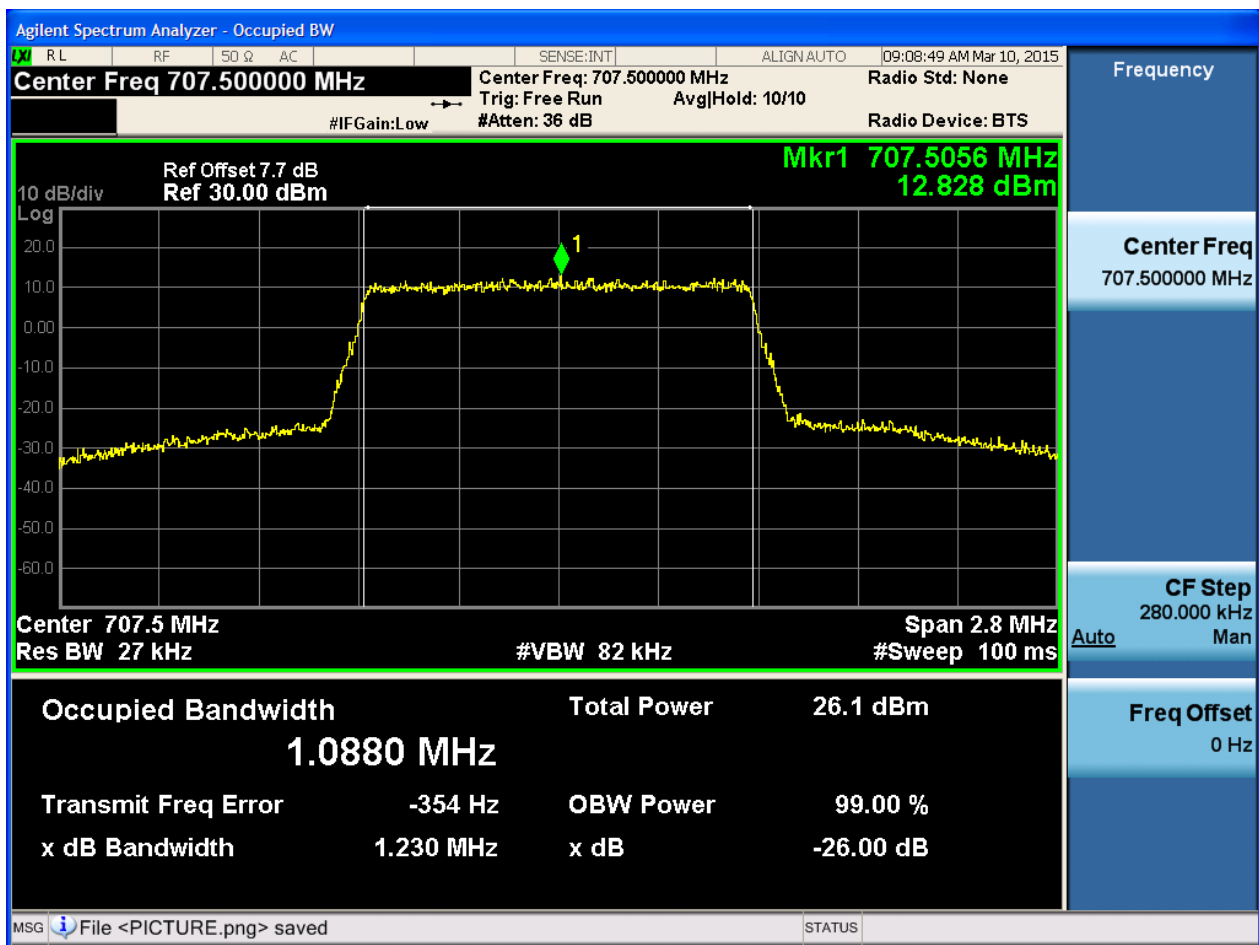
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



4.1.1.1.1.2 Test Channel = MCH

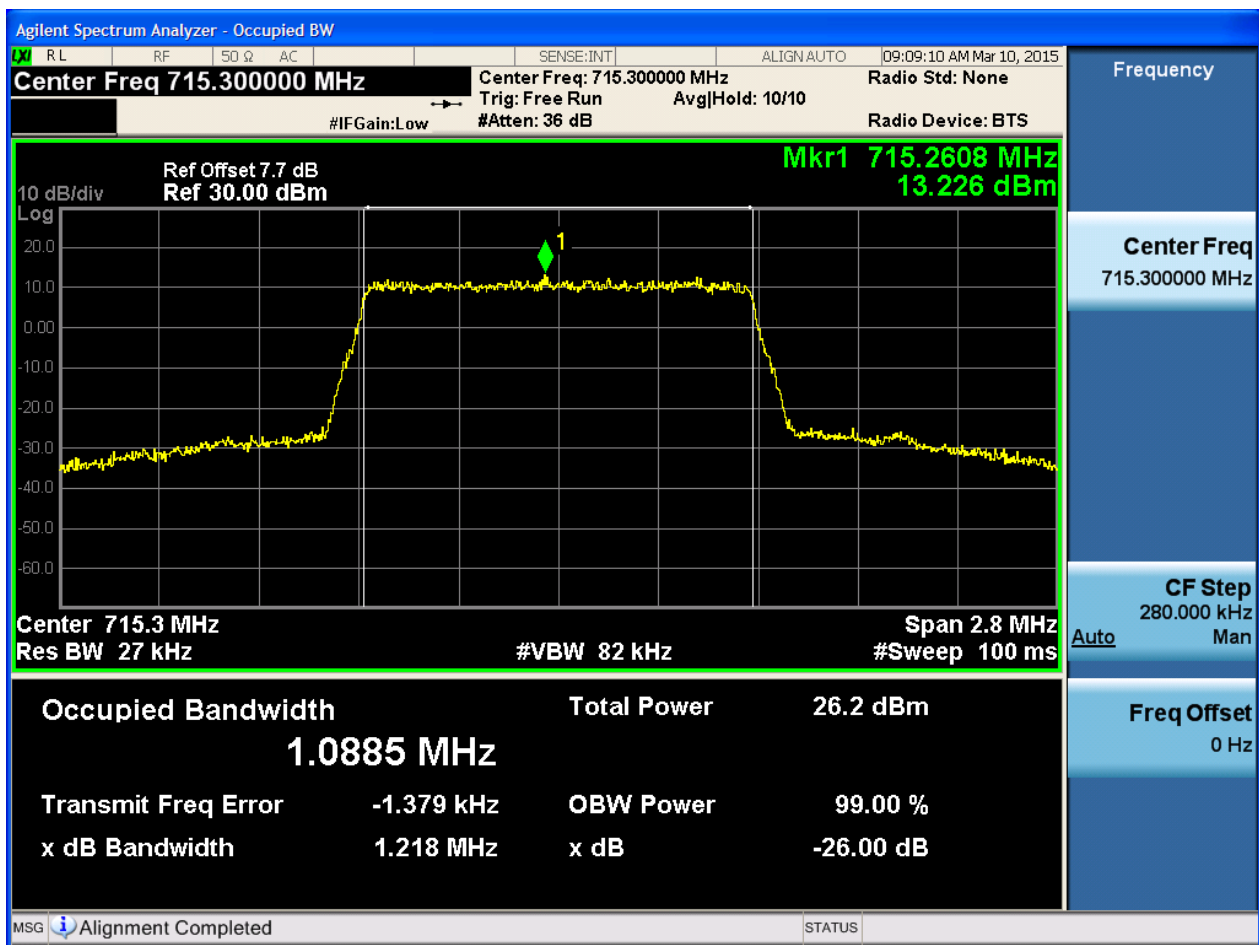
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

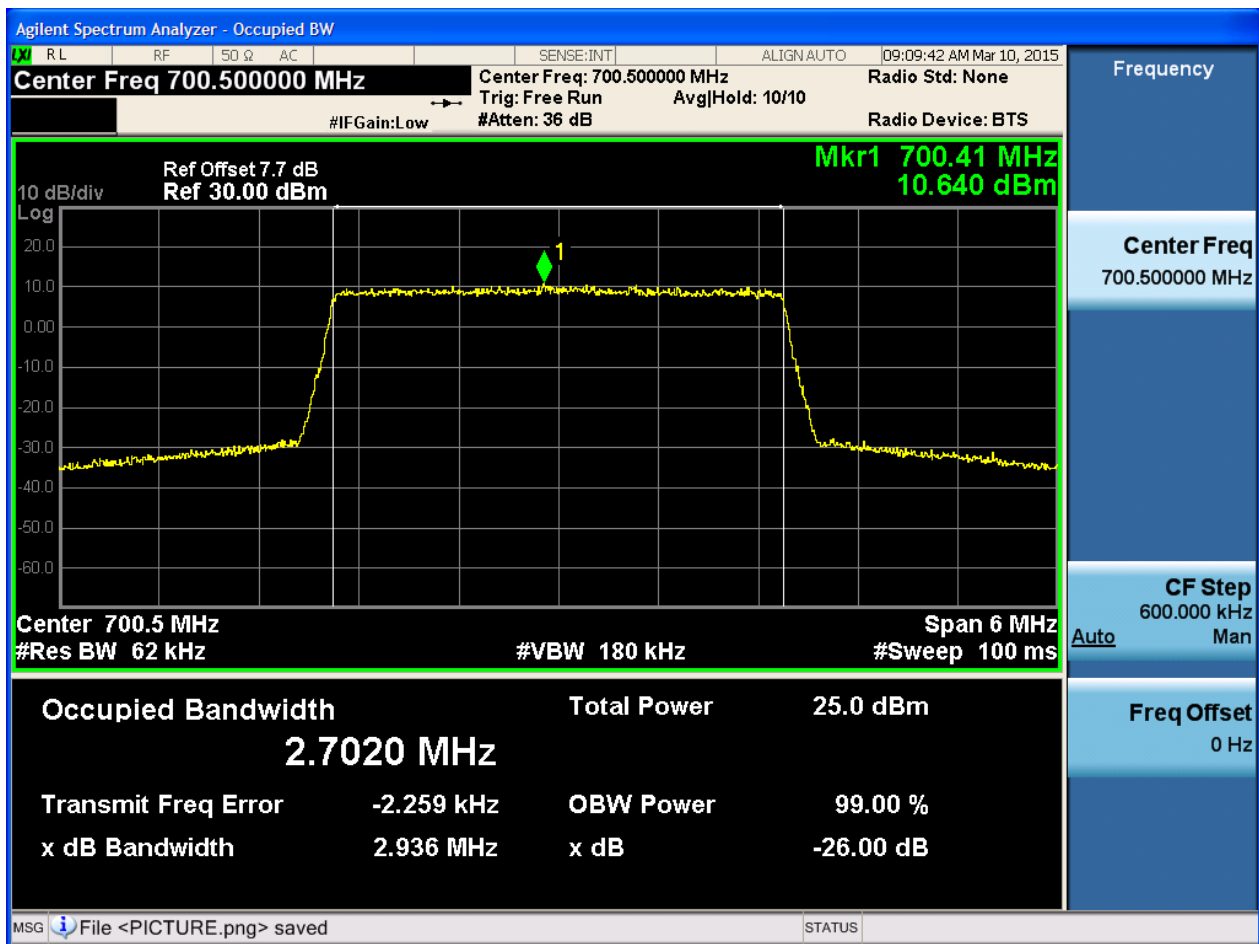




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

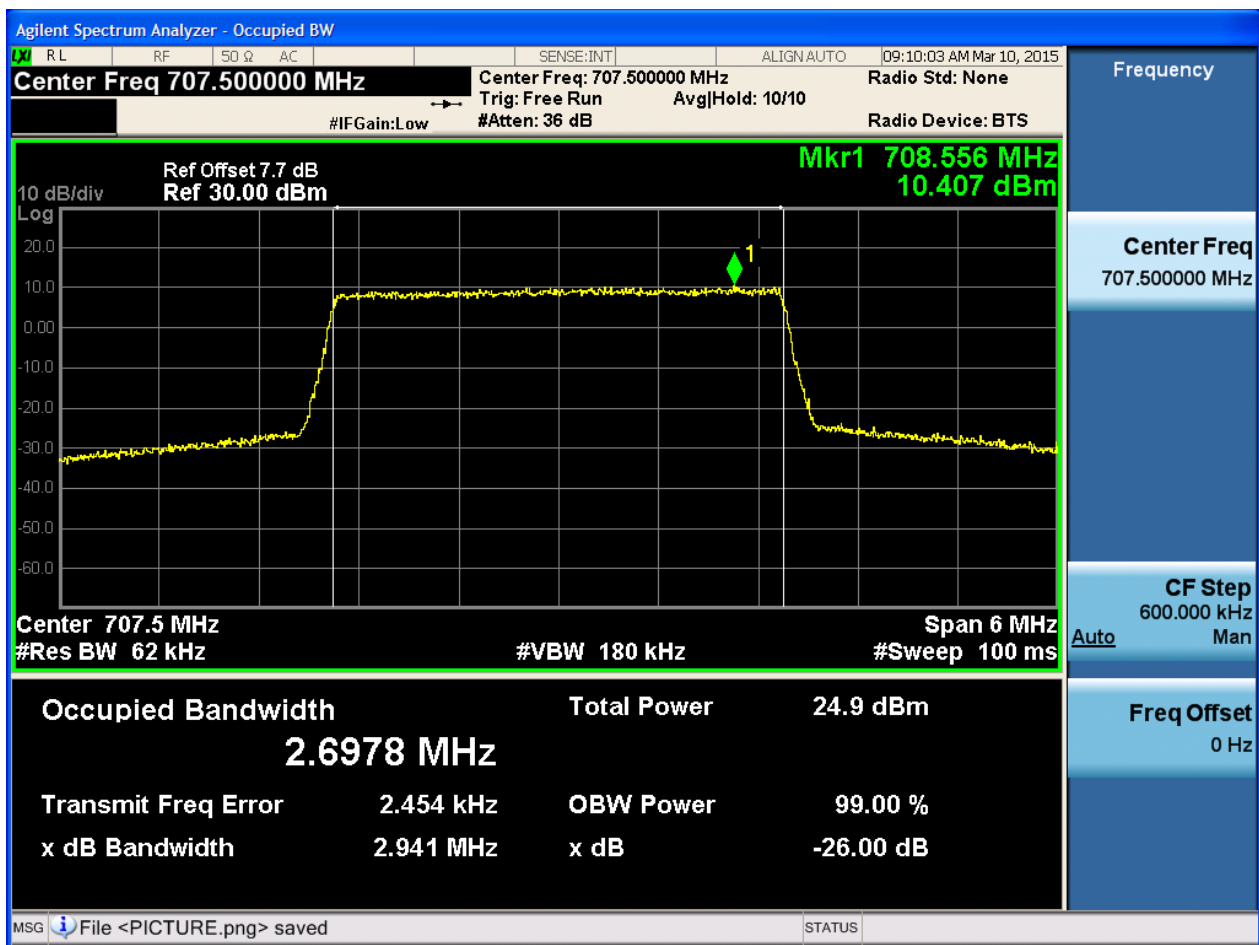
4.1.1.1.2.1.1 Test RB = RB15#0





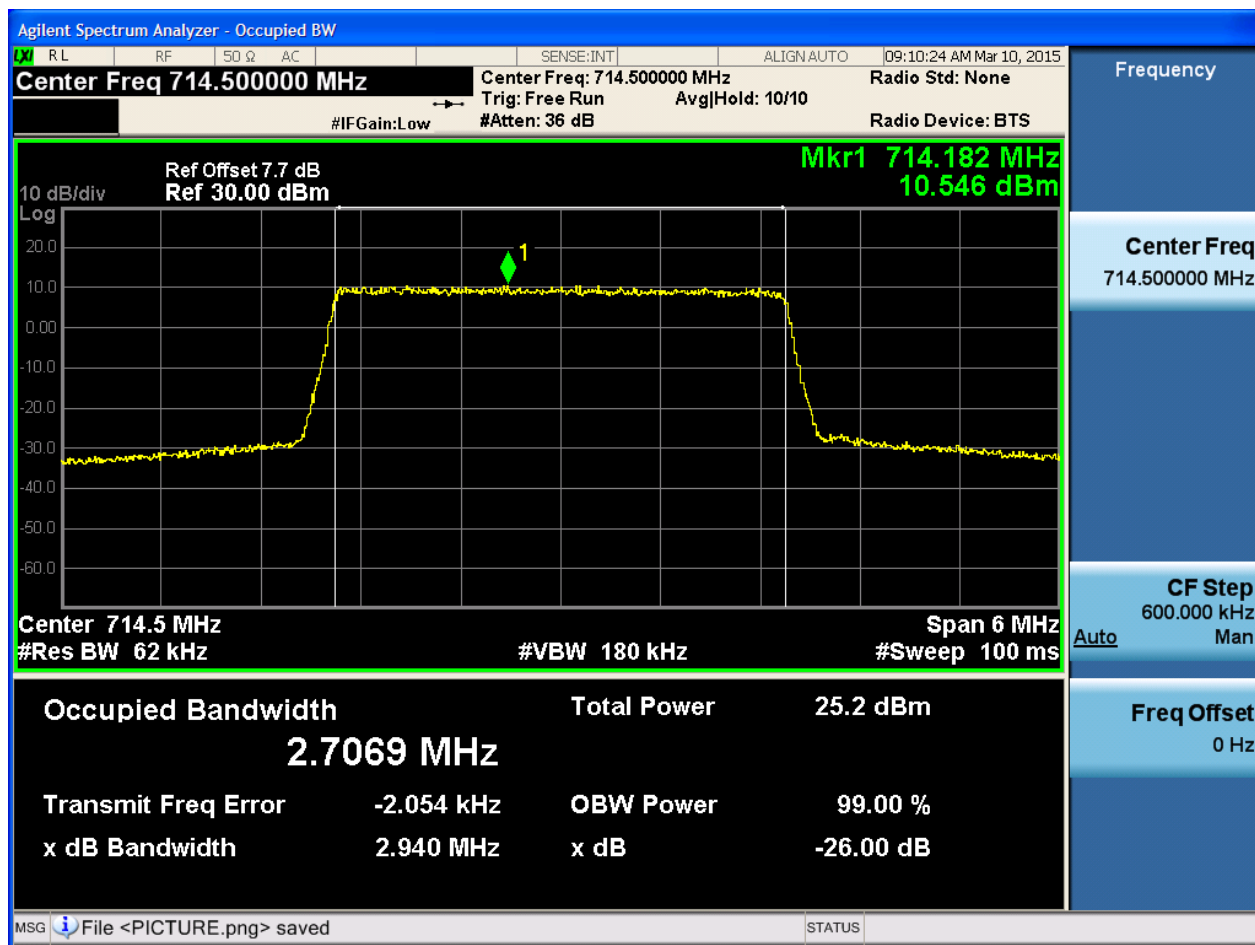
4.1.1.1.2.2 Test Channel = MCH

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

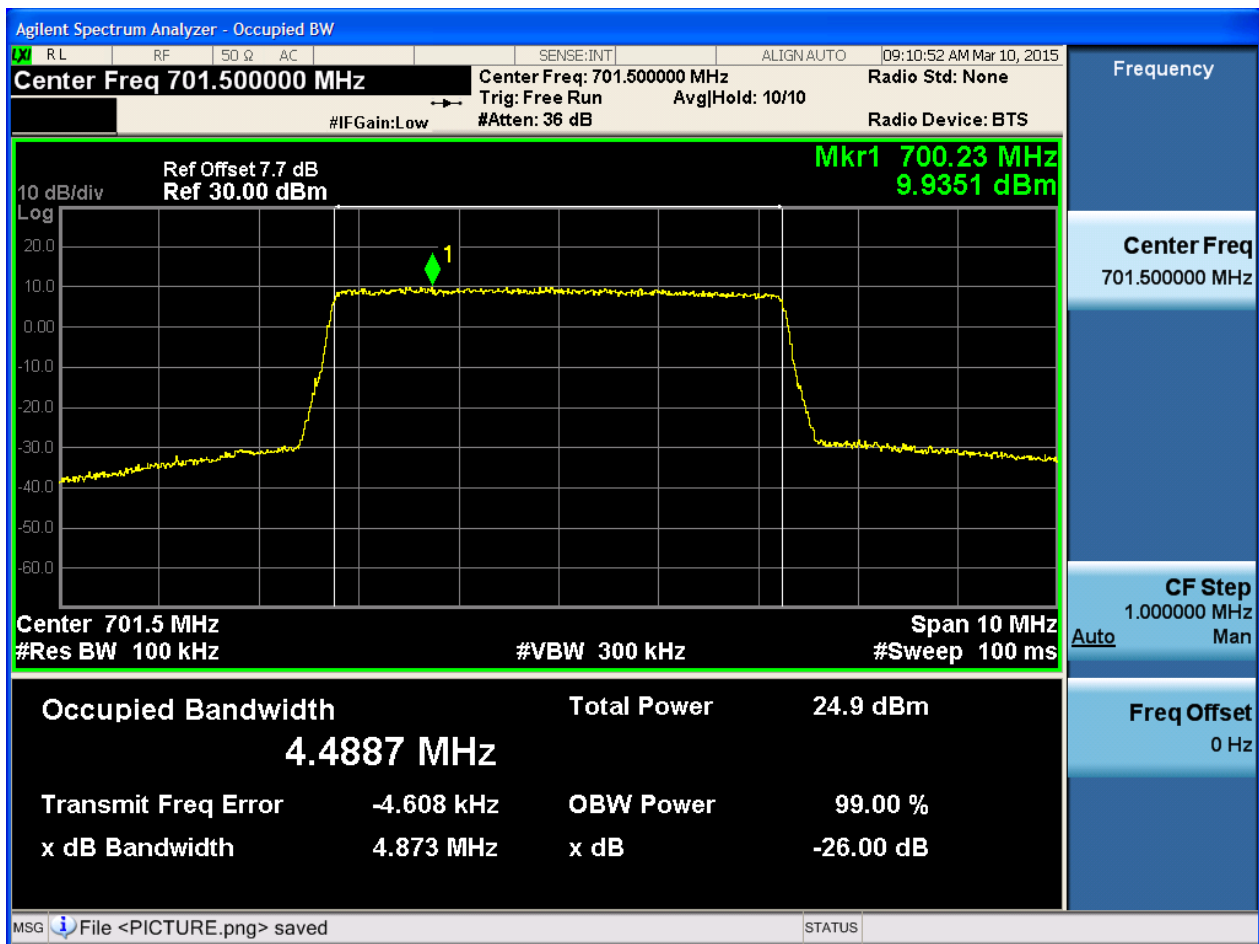




4.1.1.1.3 Test Bandwidth = 5

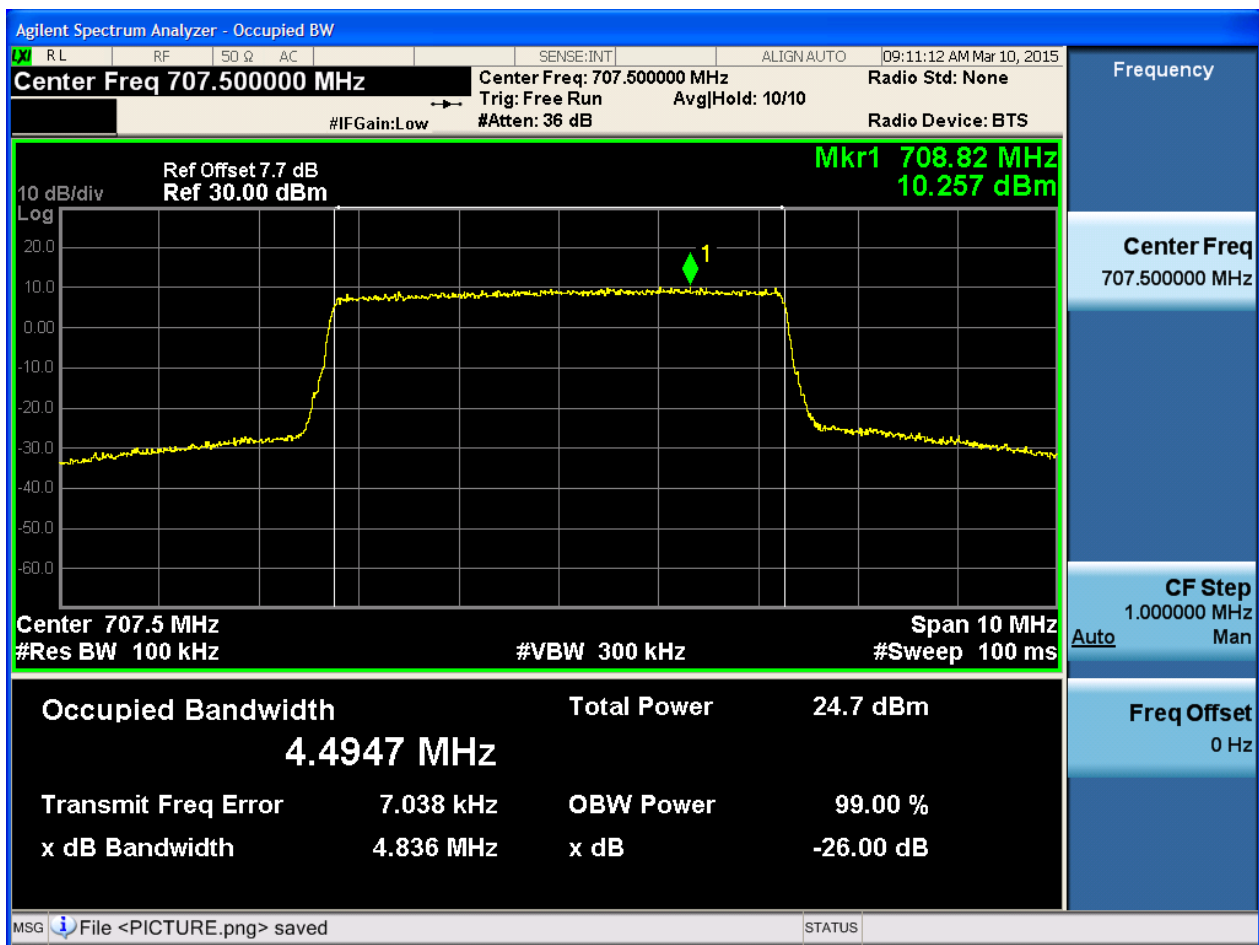
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



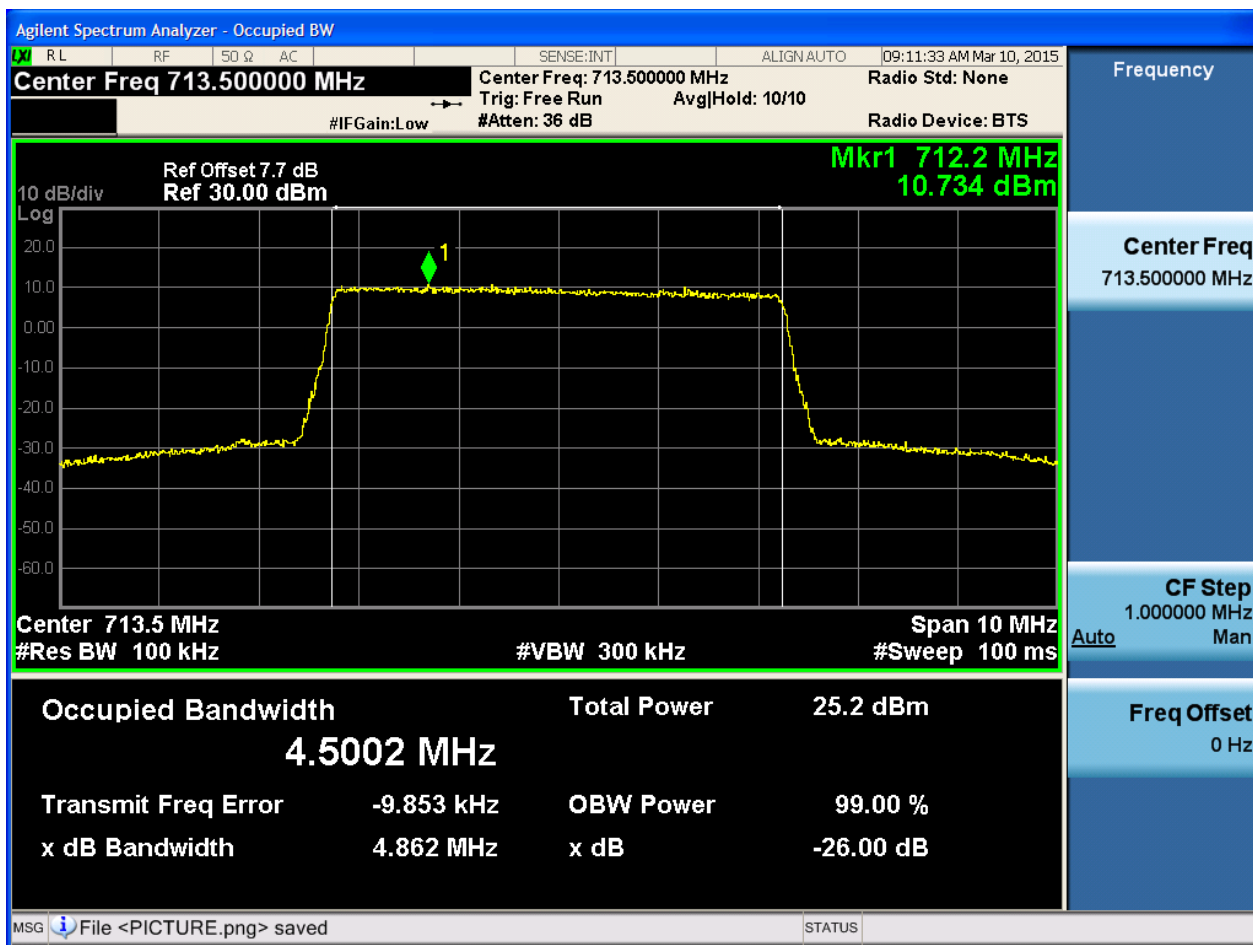
4.1.1.1.3.2 Test Channel = MCH

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

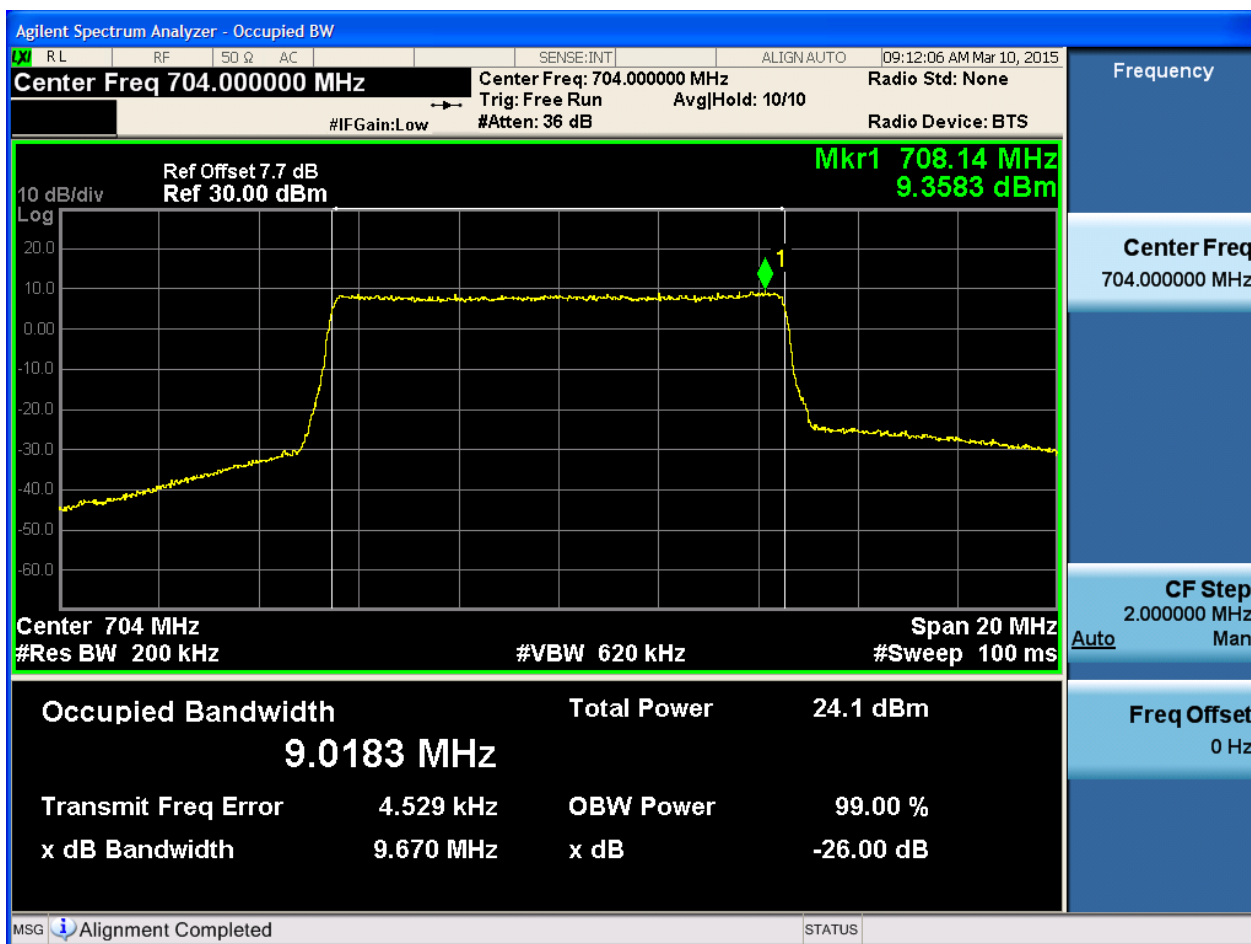




4.1.1.1.4 Test Bandwidth = 10

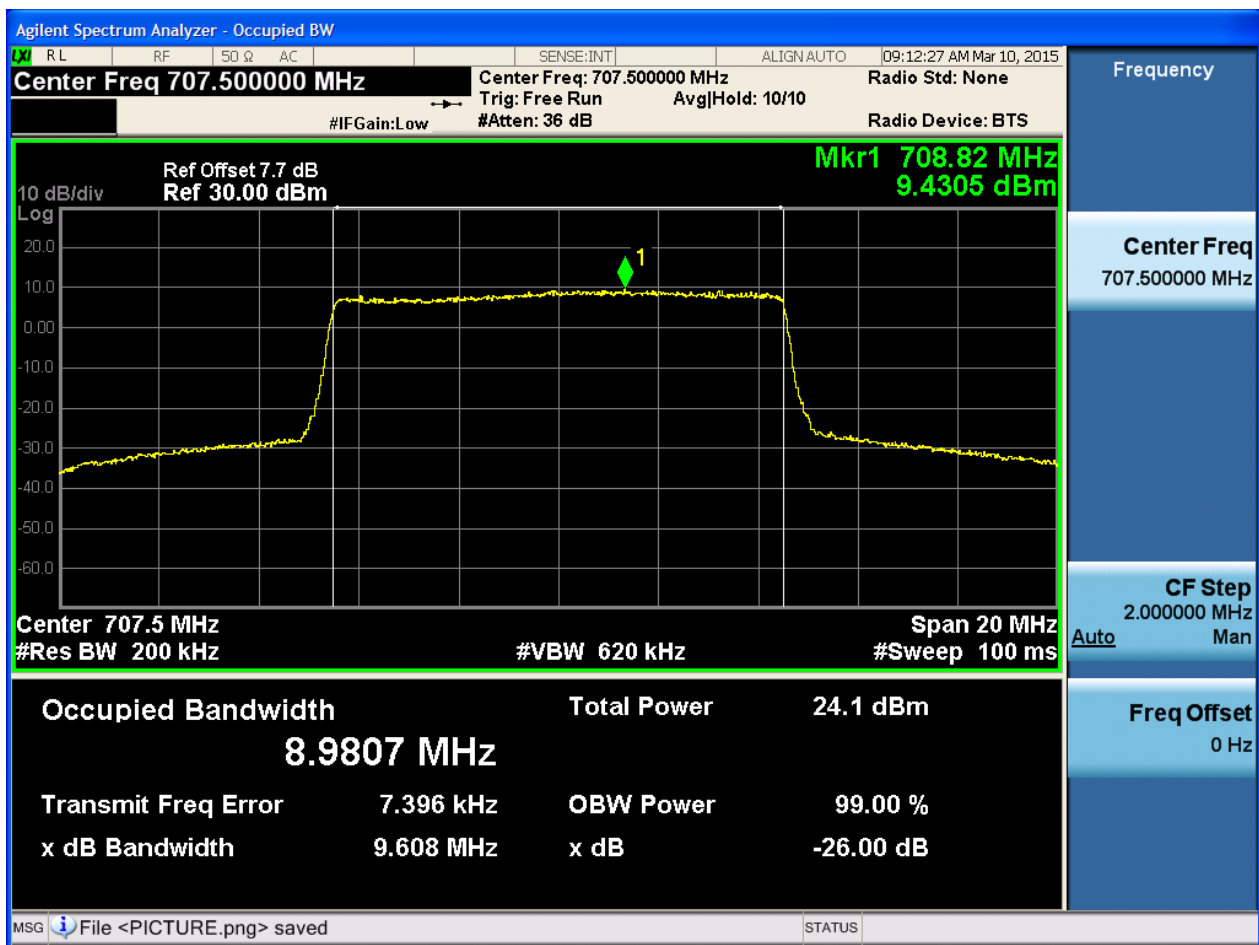
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



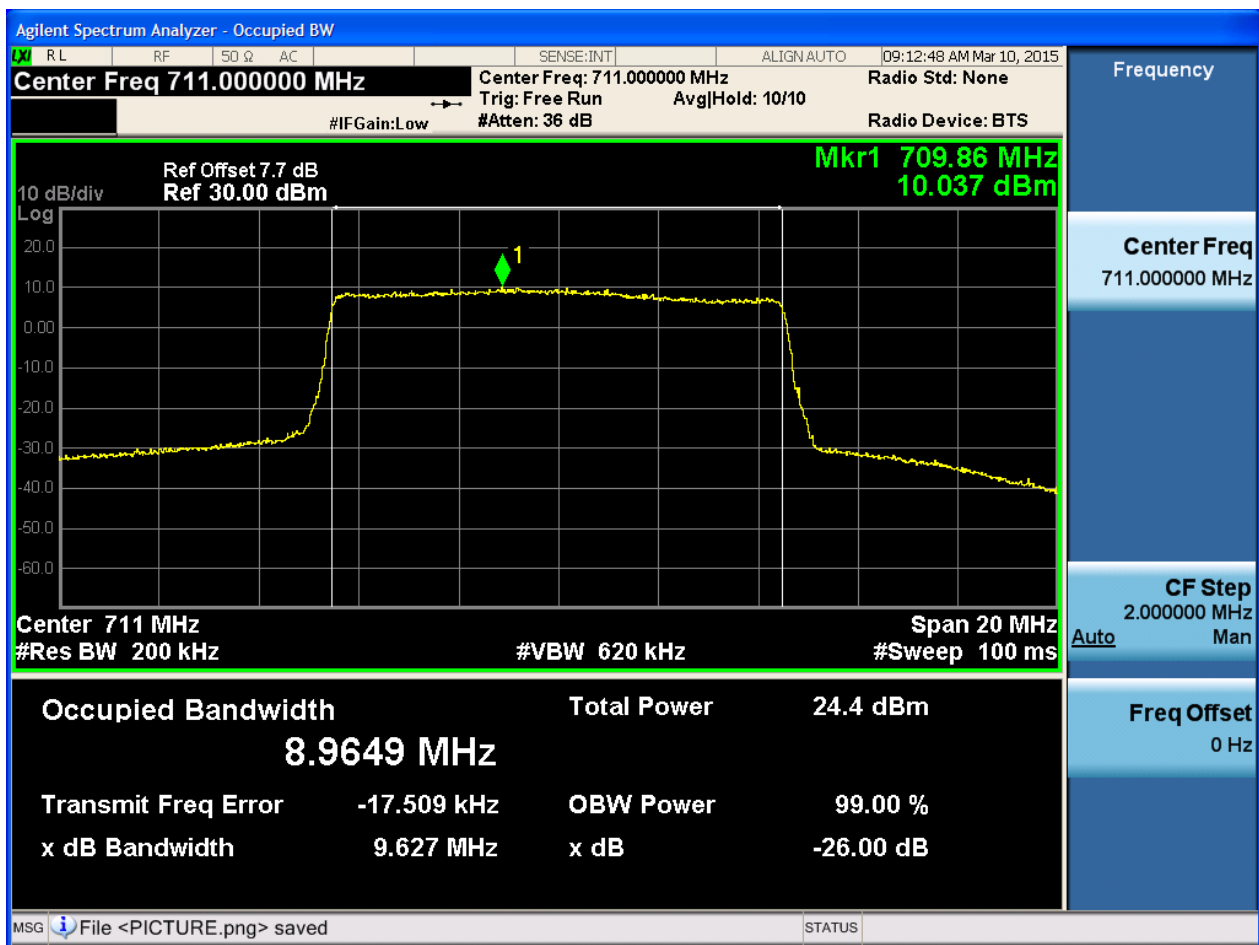
4.1.1.1.4.2 Test Channel = MCH

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



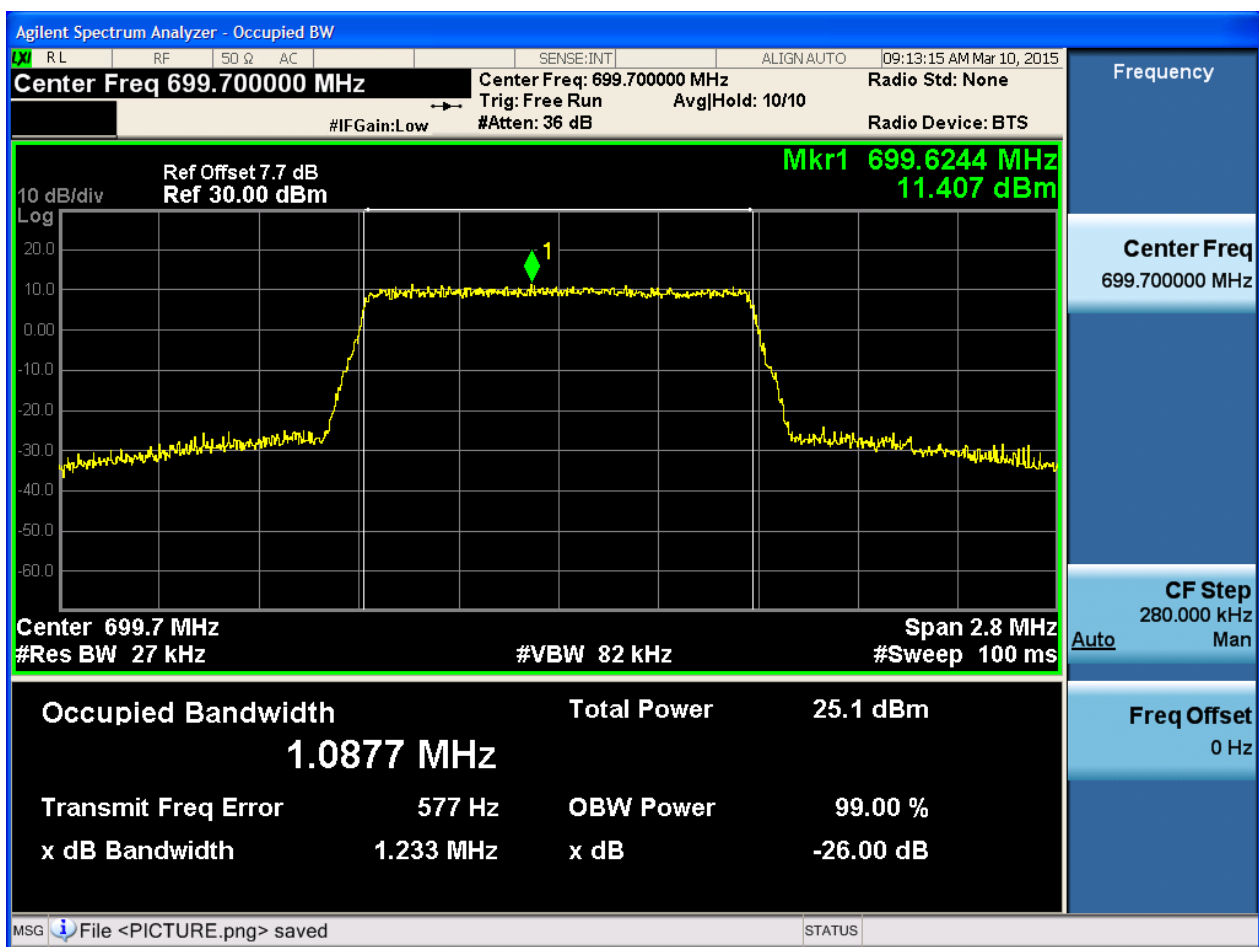


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

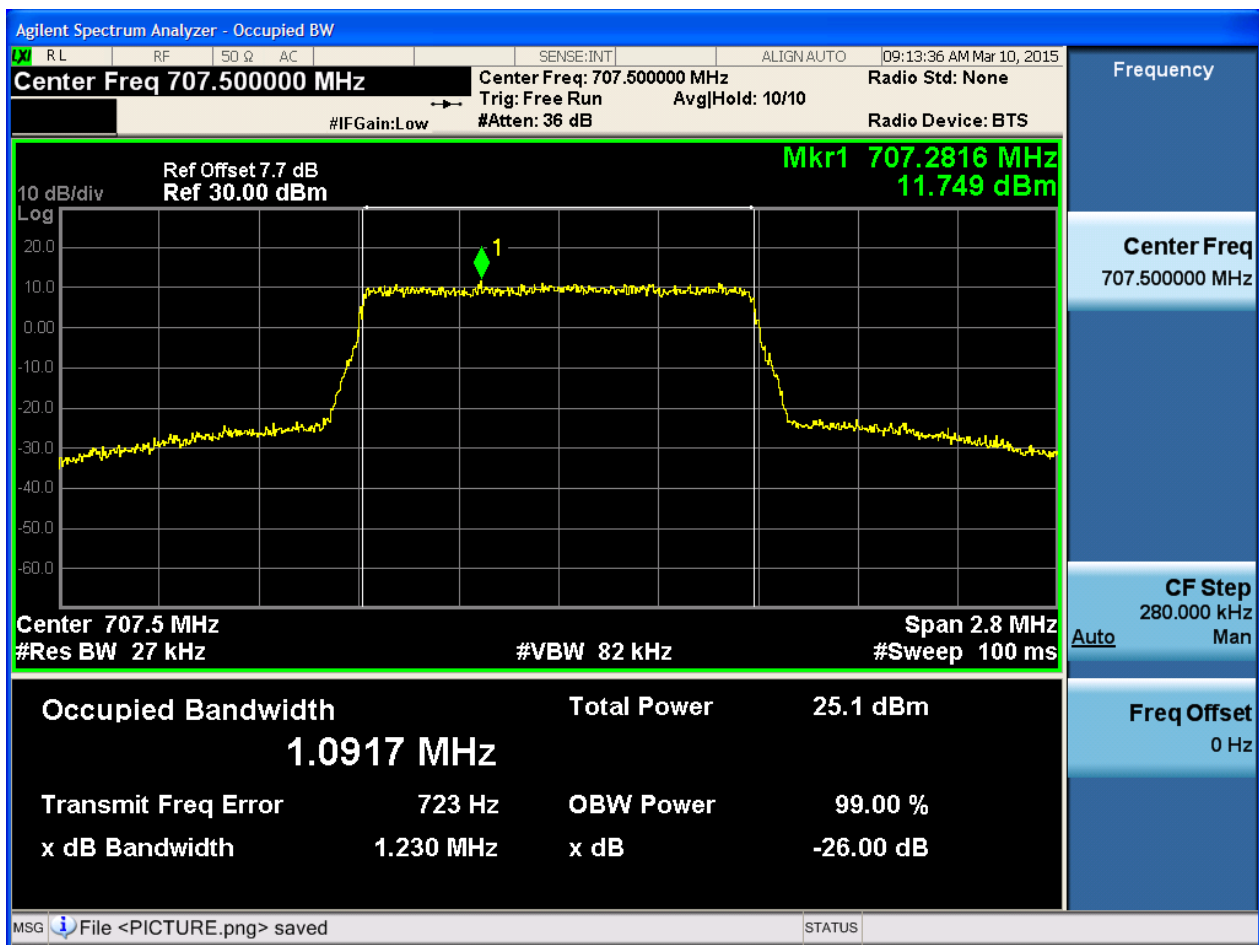
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



4.1.1.2.1.2 Test Channel = MCH

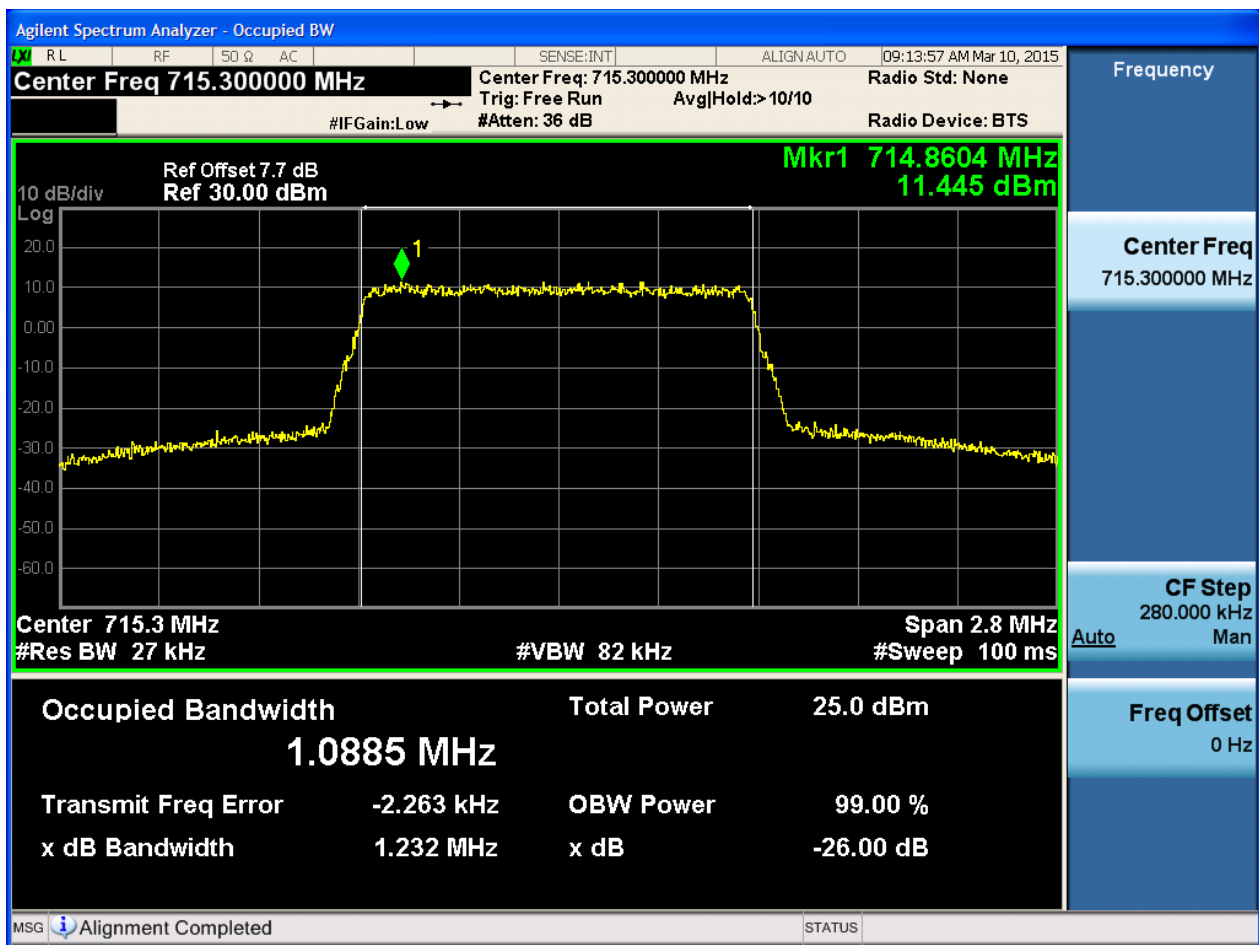
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

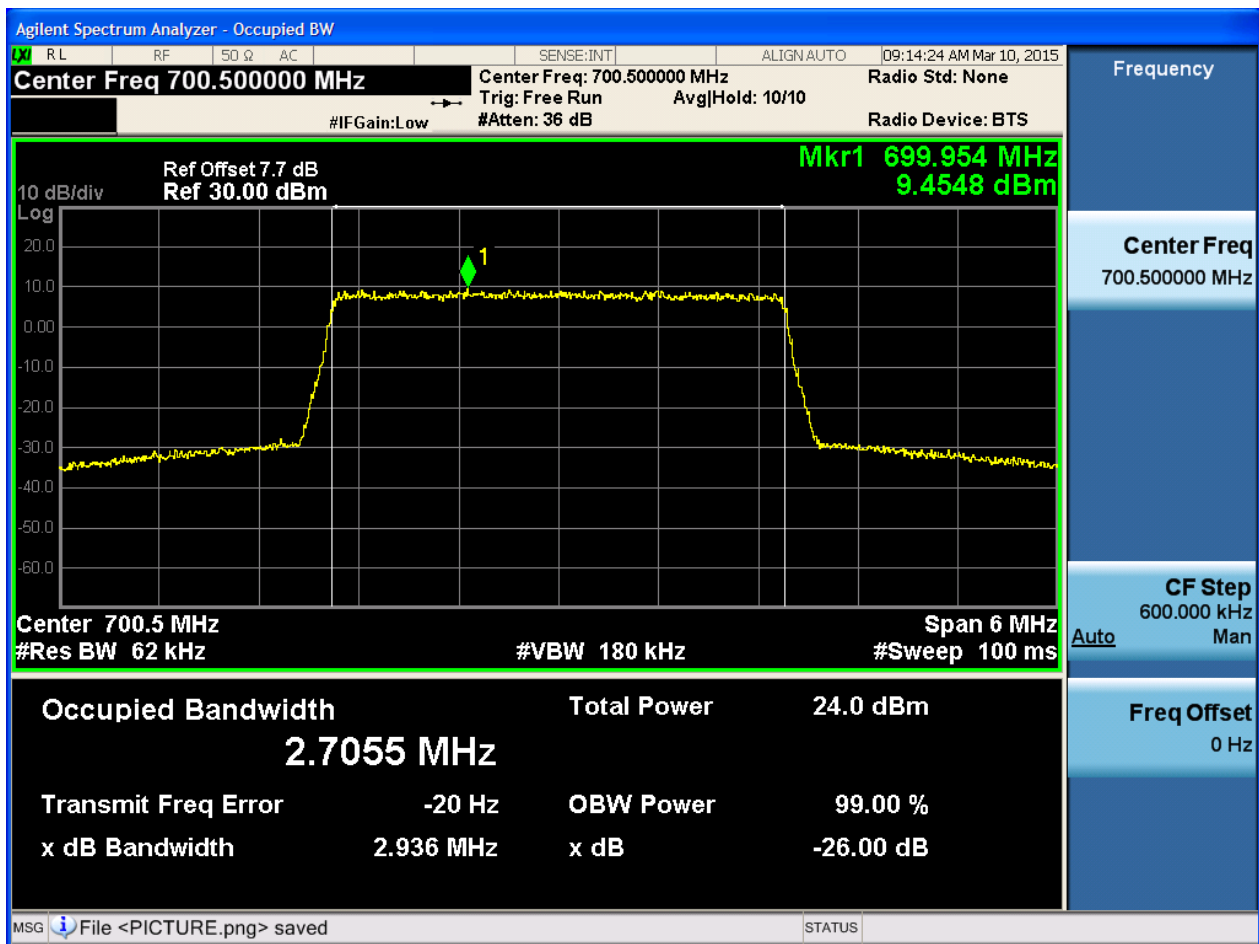




4.1.1.2.2 Test Bandwidth = 3

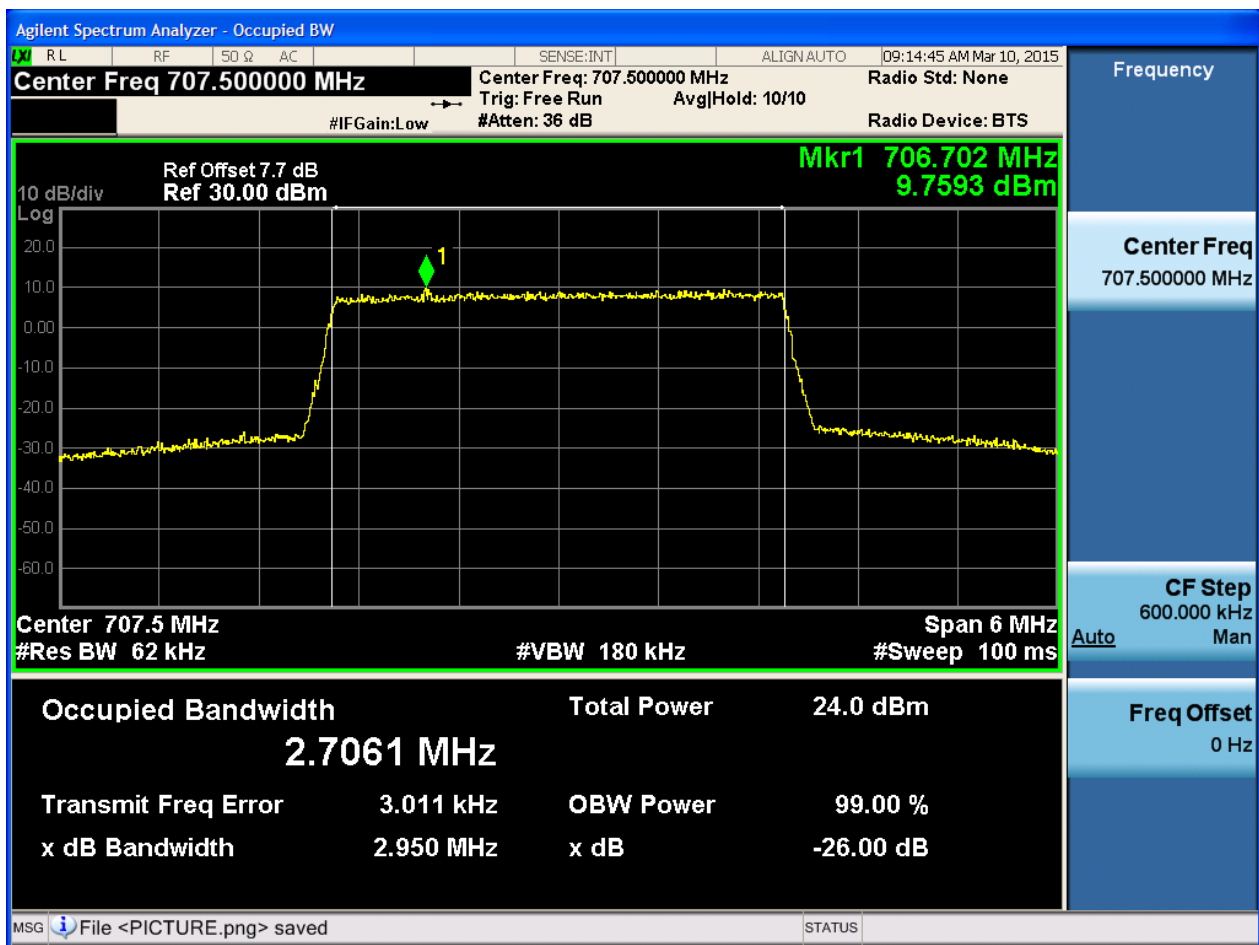
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



4.1.1.2.2.2 Test Channel = MCH

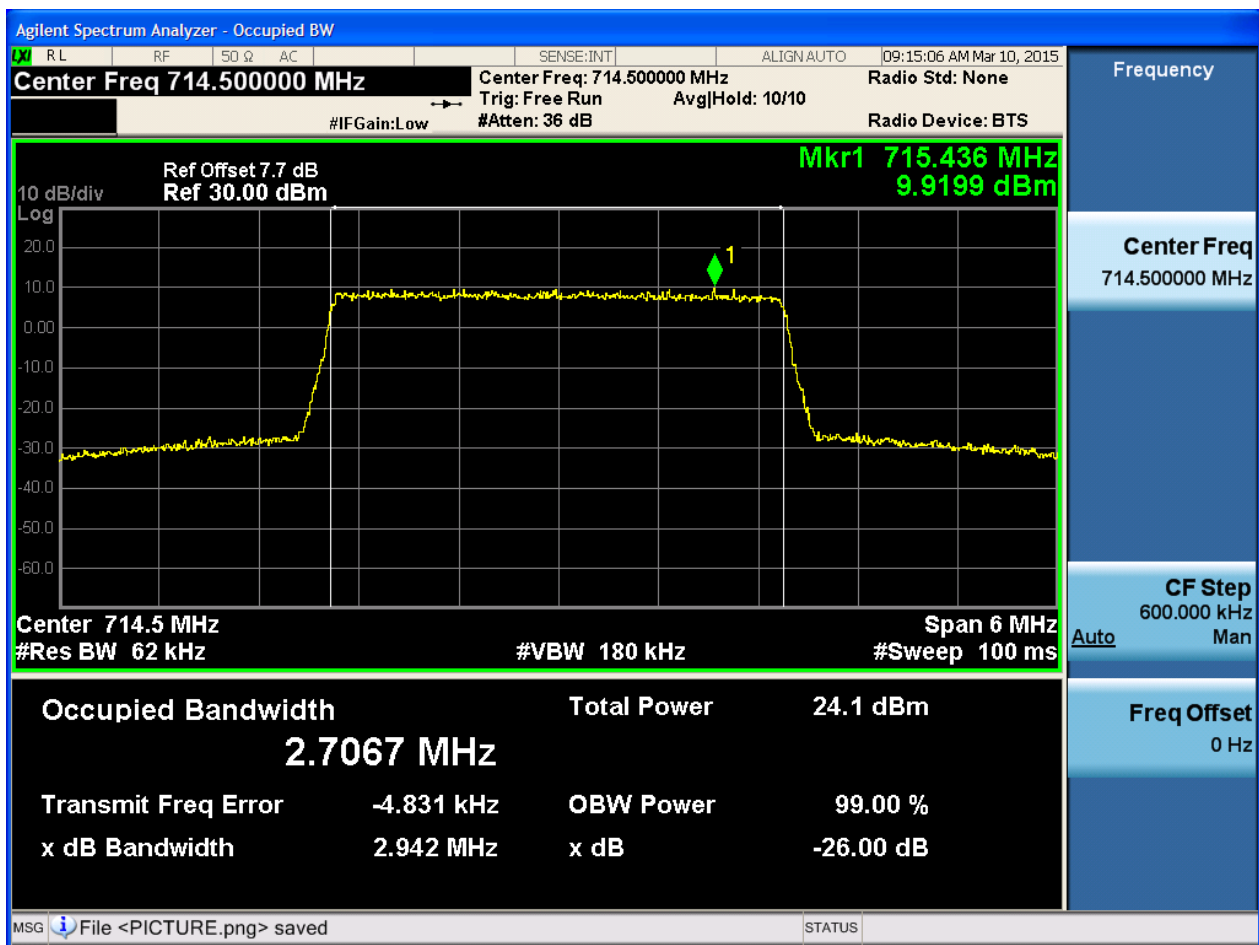
4.1.1.2.2.2.1 Test RB = RB15#0

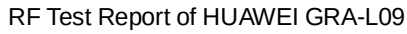




4.1.1.2.2.3 Test Channel = HCH

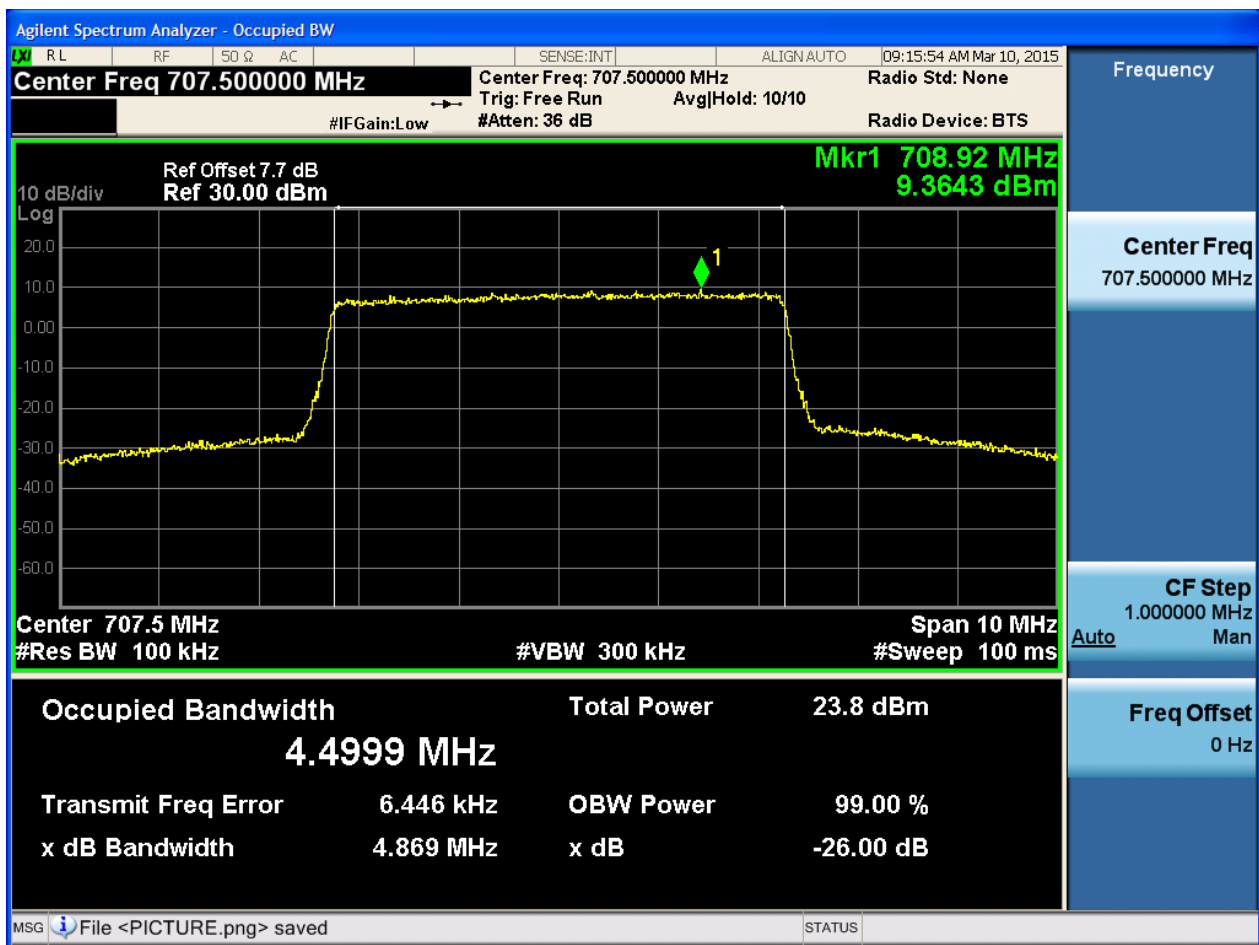
4.1.1.2.2.3.1 Test RB = RB15#0





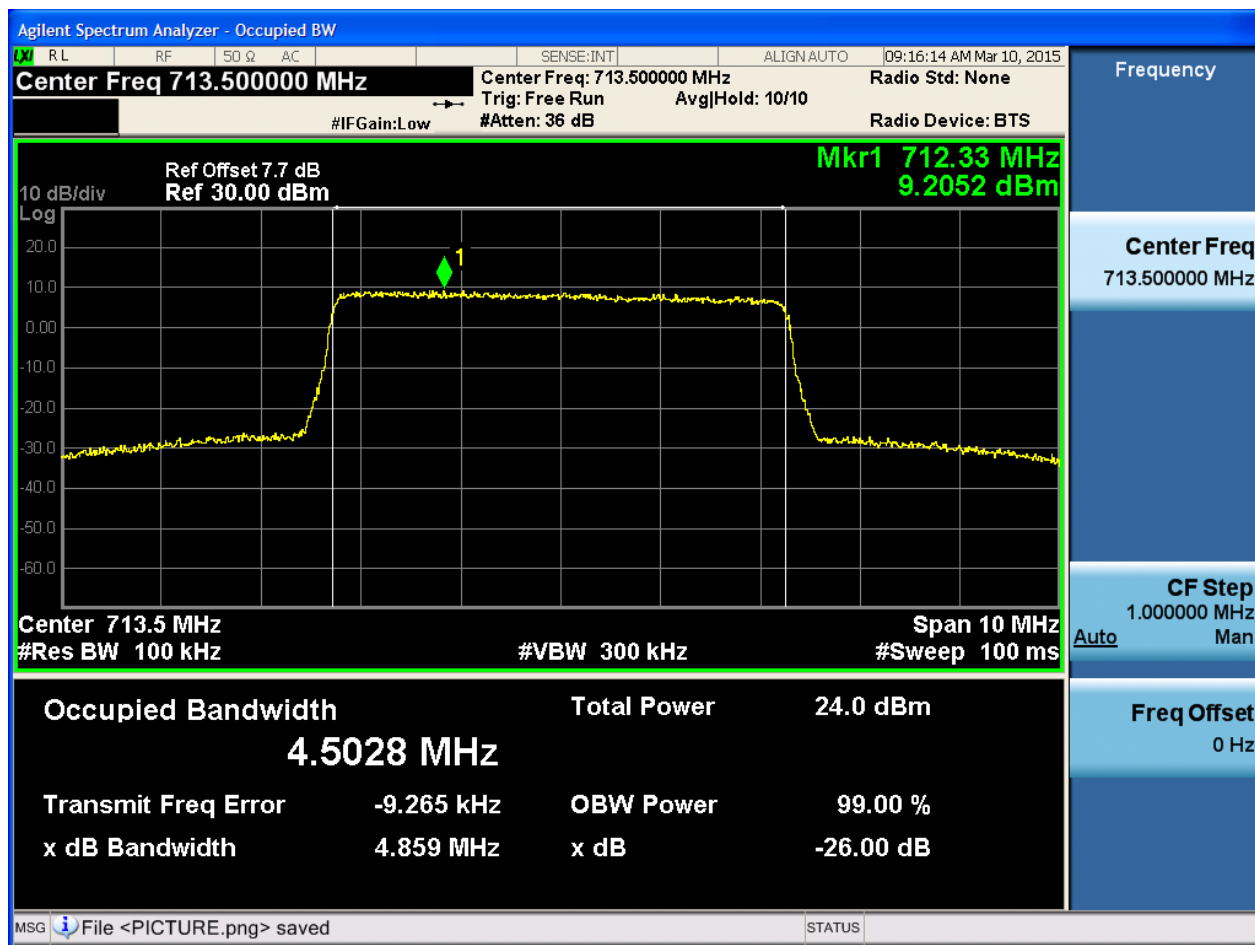
4.1.1.2.3.2 Test Channel = MCH

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

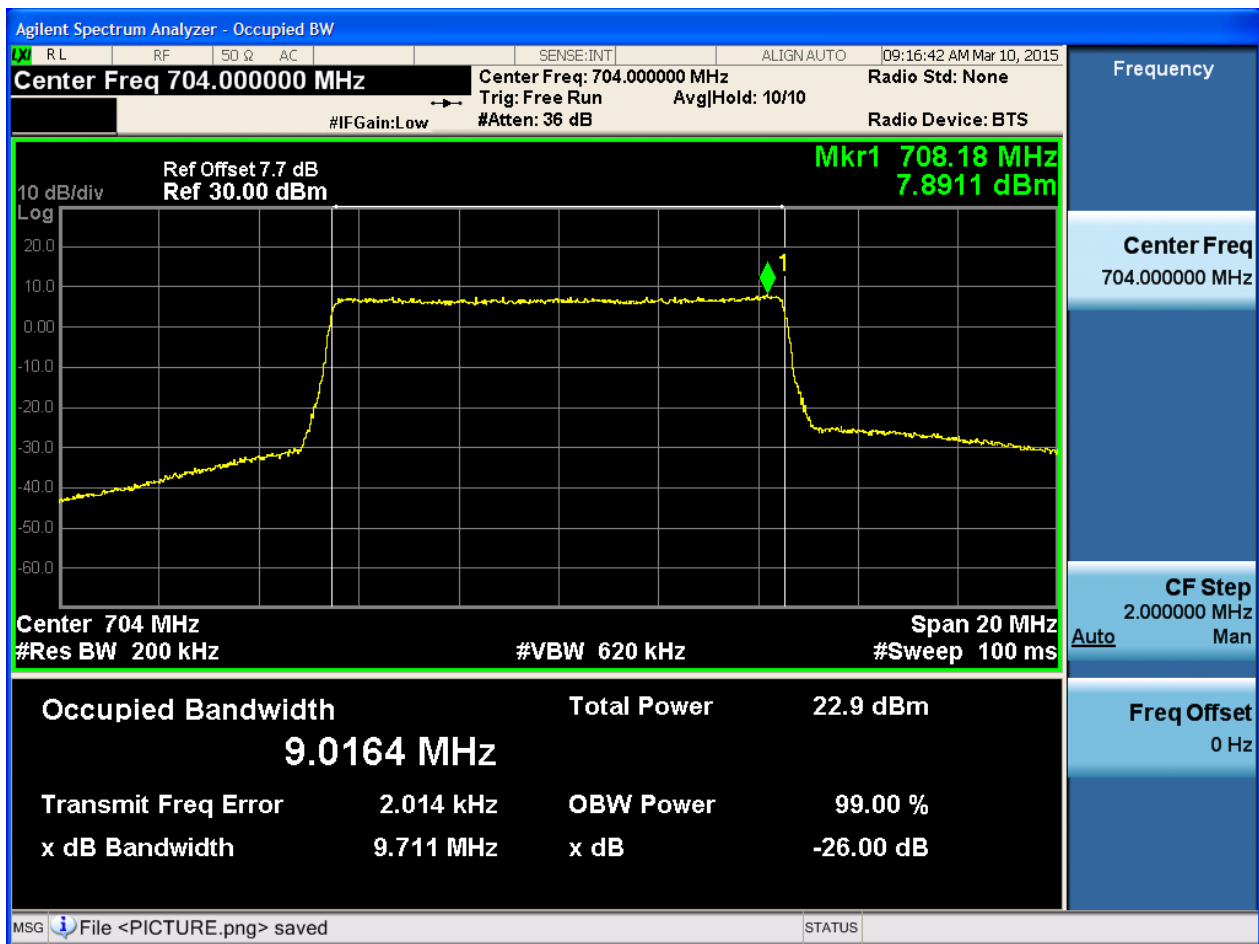


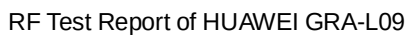


4.1.1.2.4 Test Bandwidth = 10

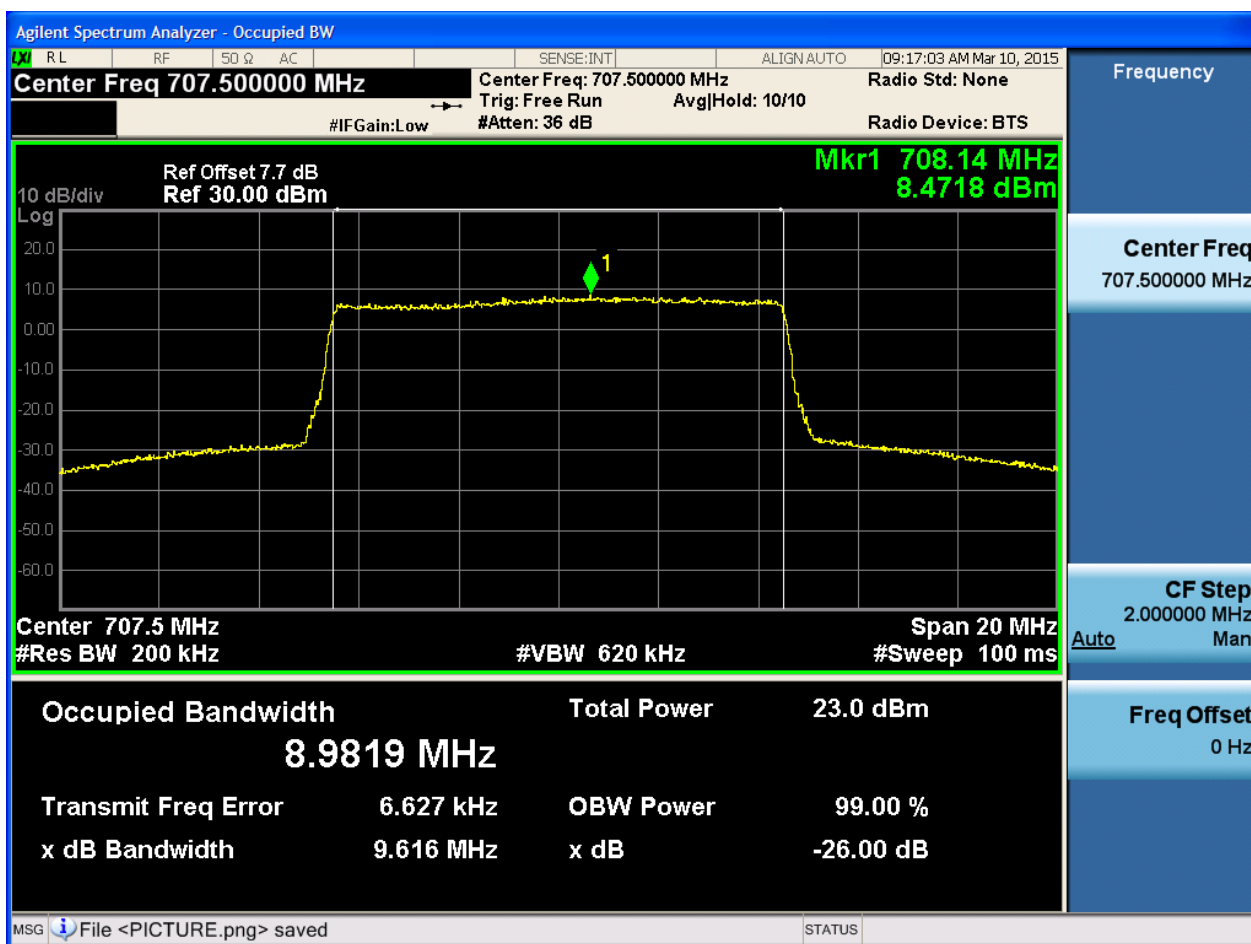
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0





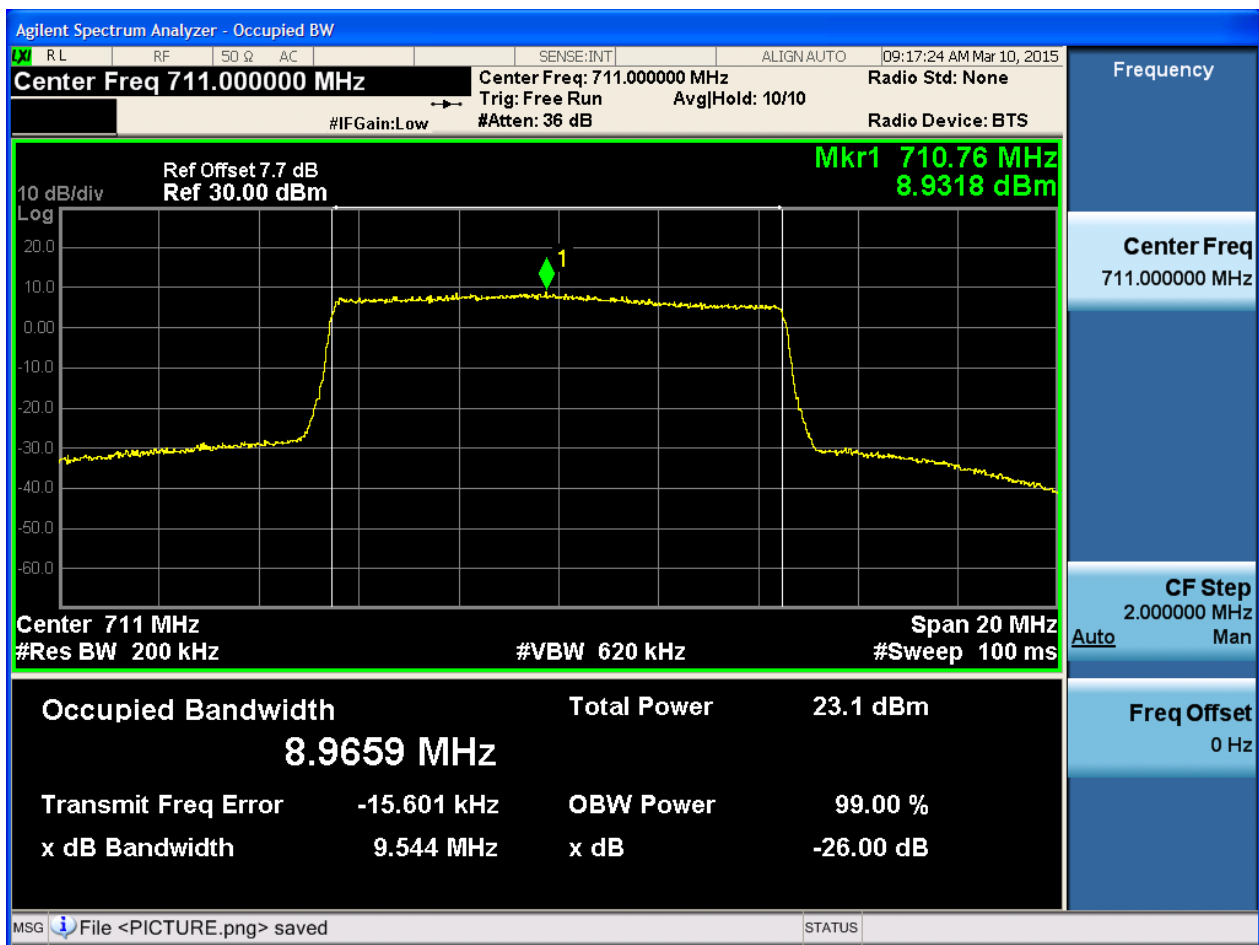
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

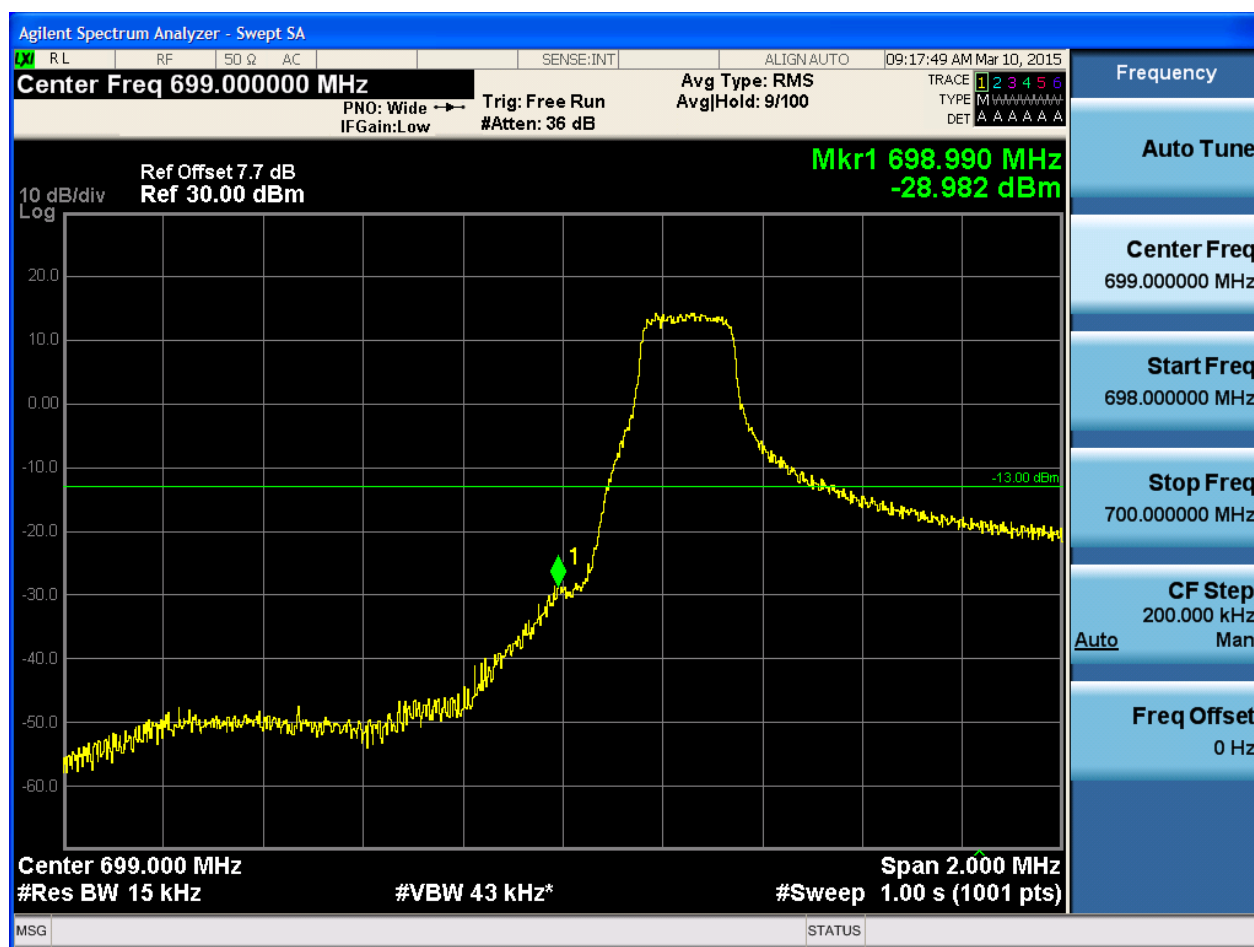
5.1.1 Test Band = BAND12

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

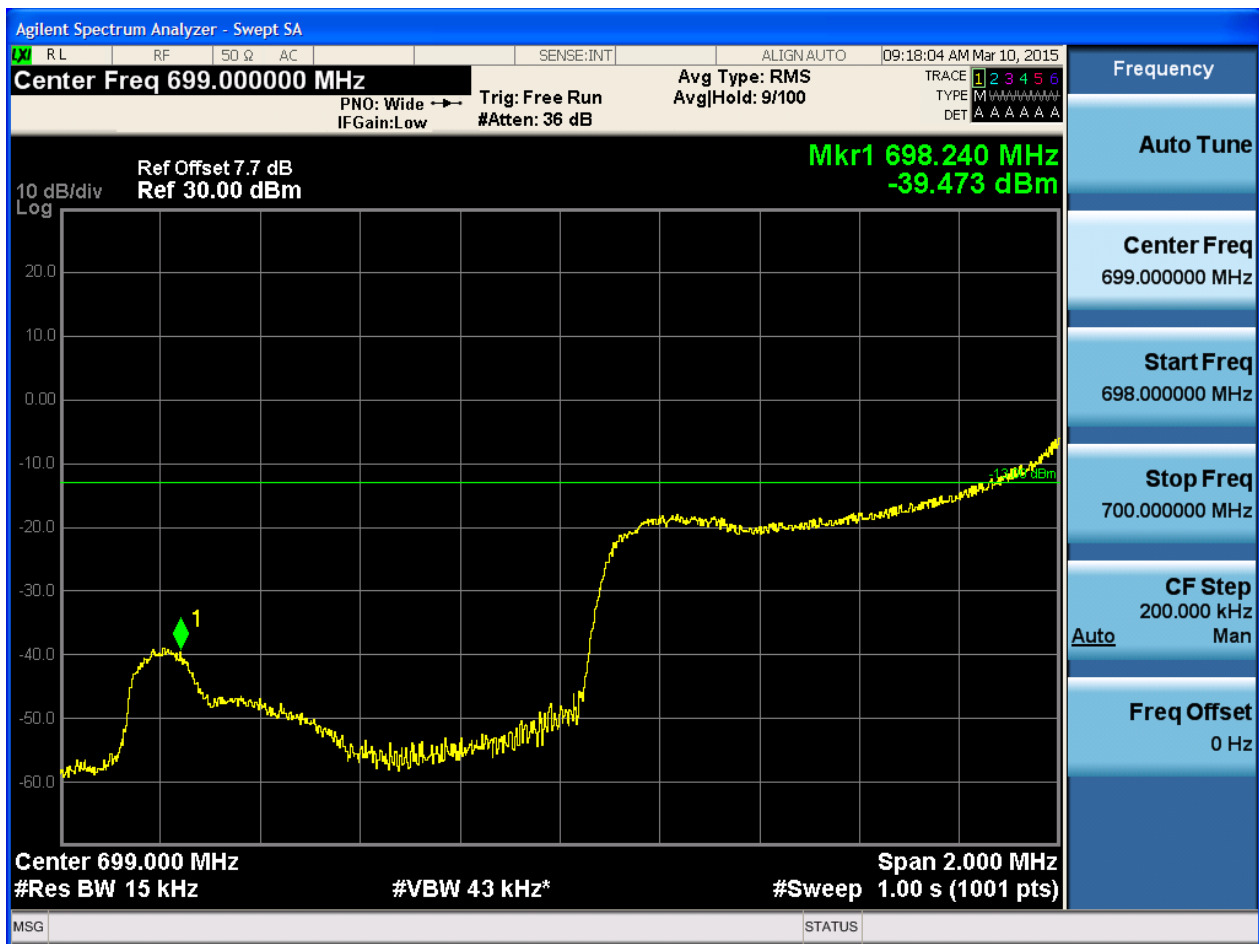
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



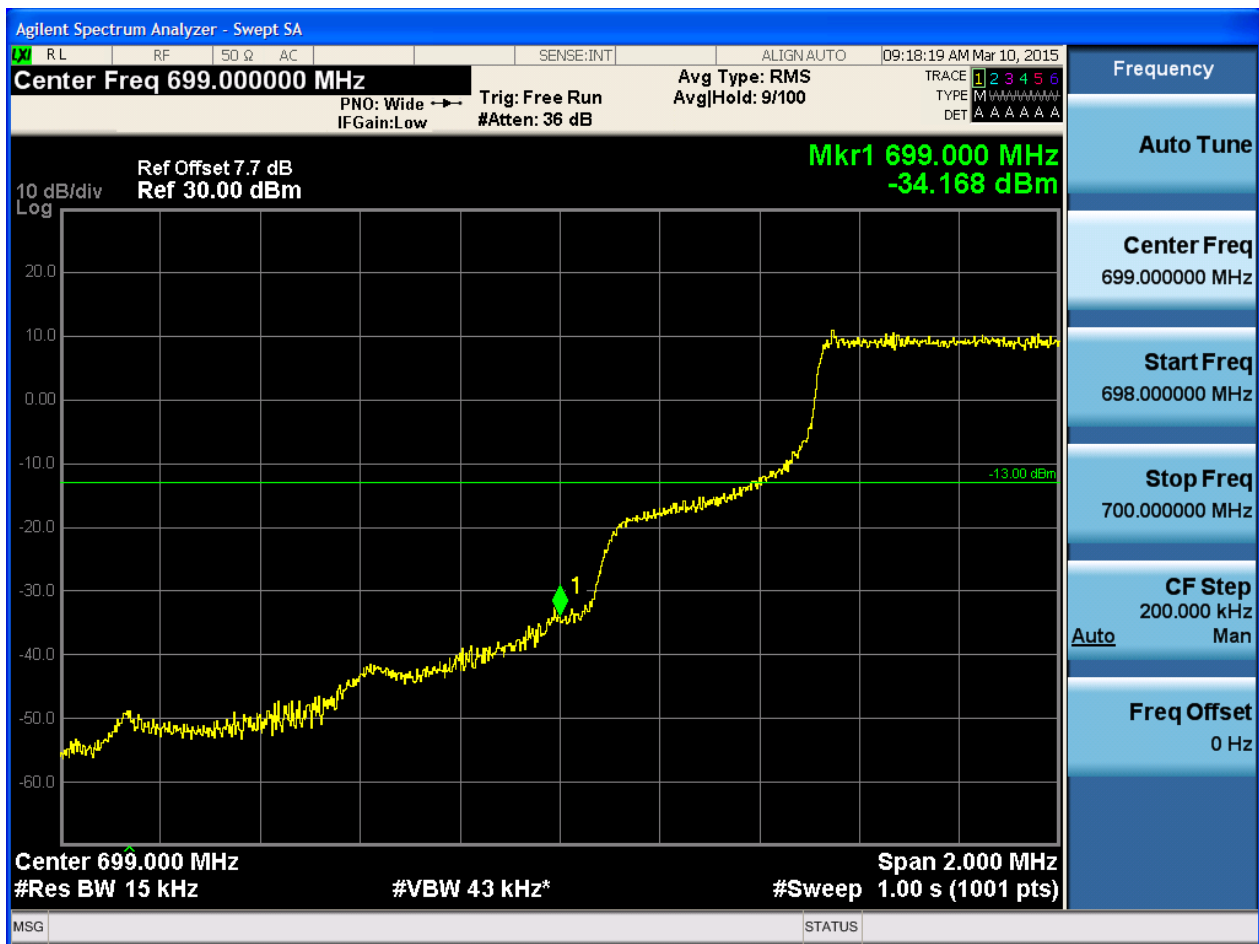


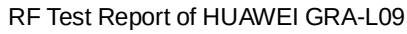
5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 09:18:34 AM Mar 10, 2015

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain: Low #Atten: 36 dB

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

Ref Offset 7.7 dB
Ref 30.00 dBm

Mkr1 698.970 MHz
-32.571 dBm

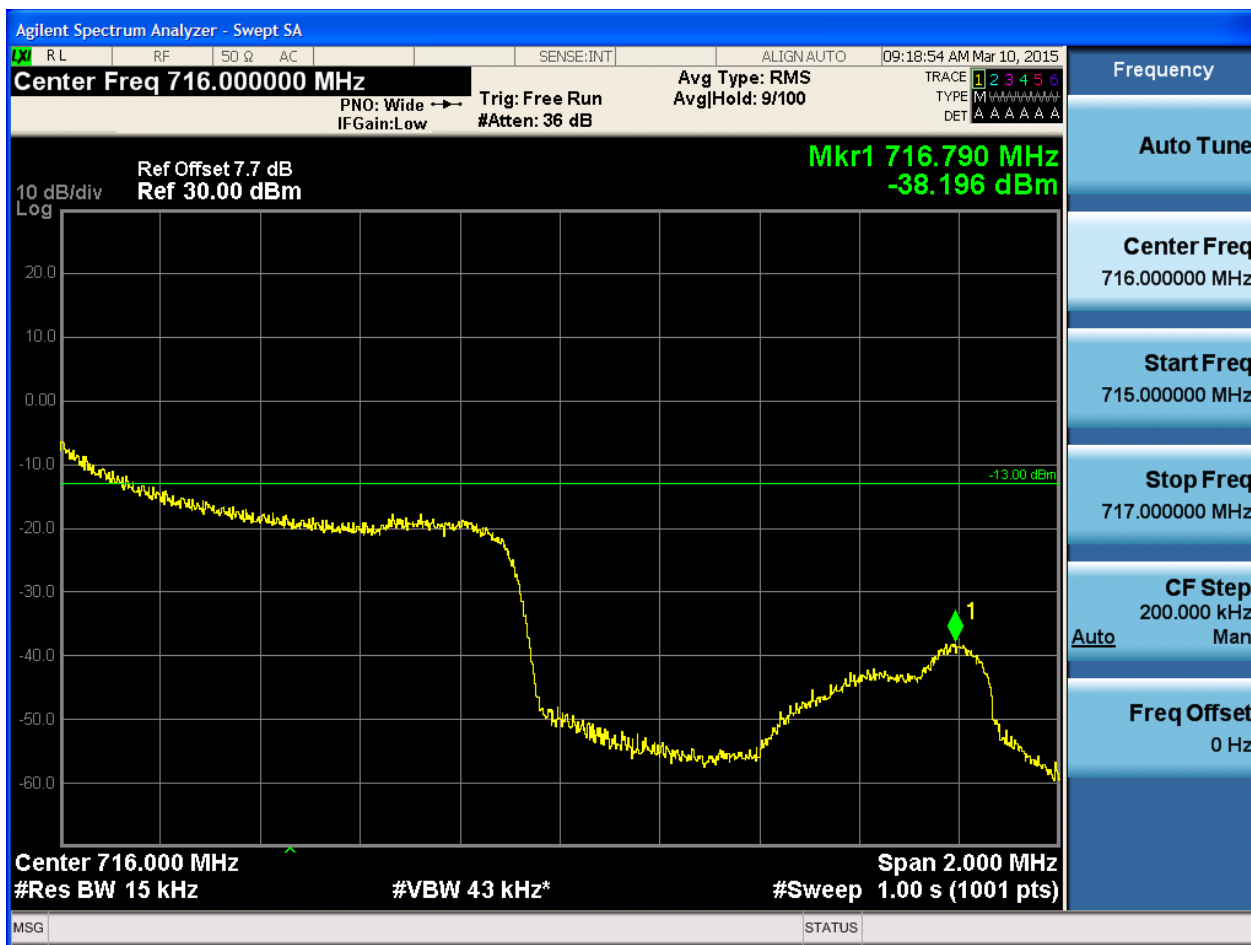
10 dB/div
Log

Center 699.000 MHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG STATUS

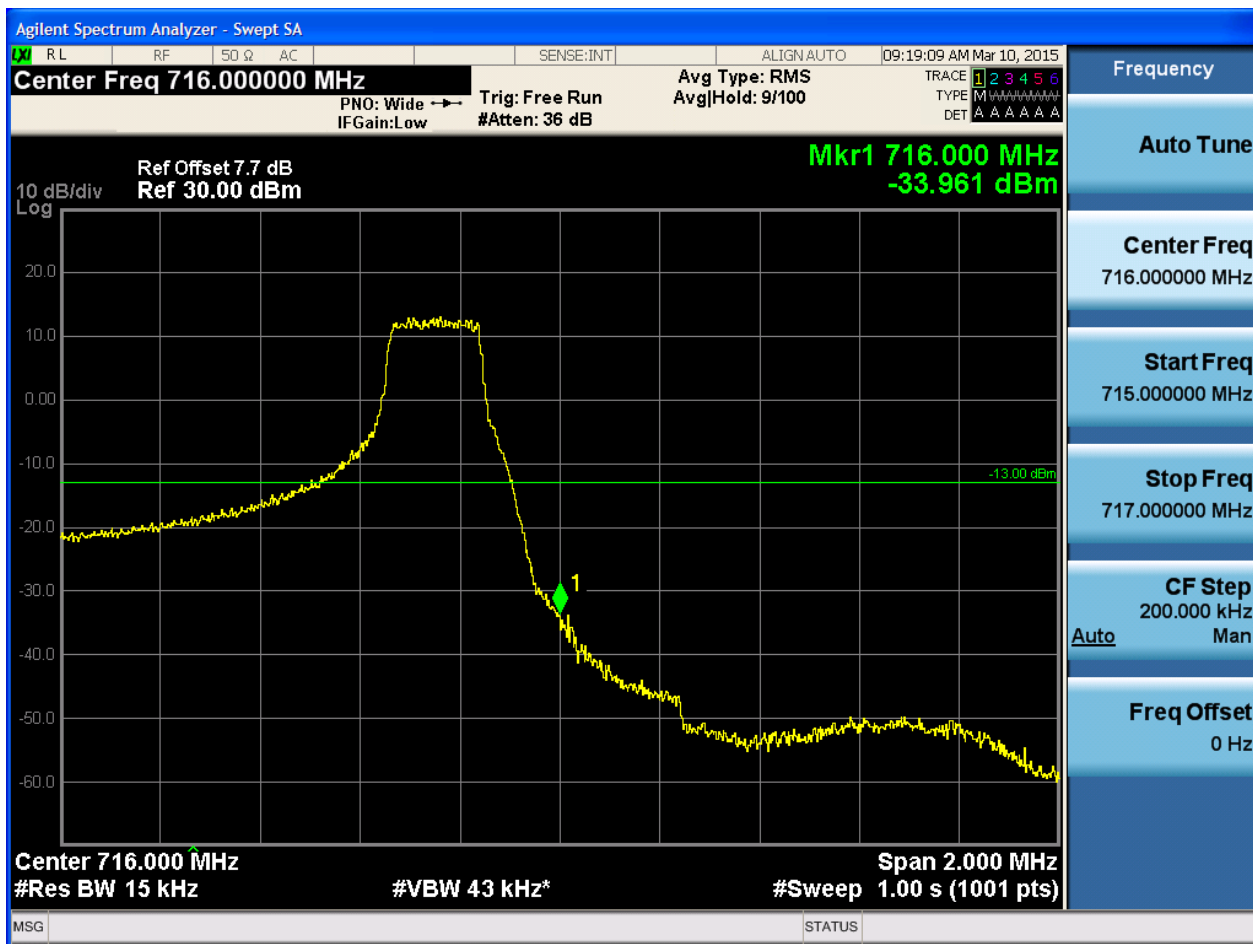
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5



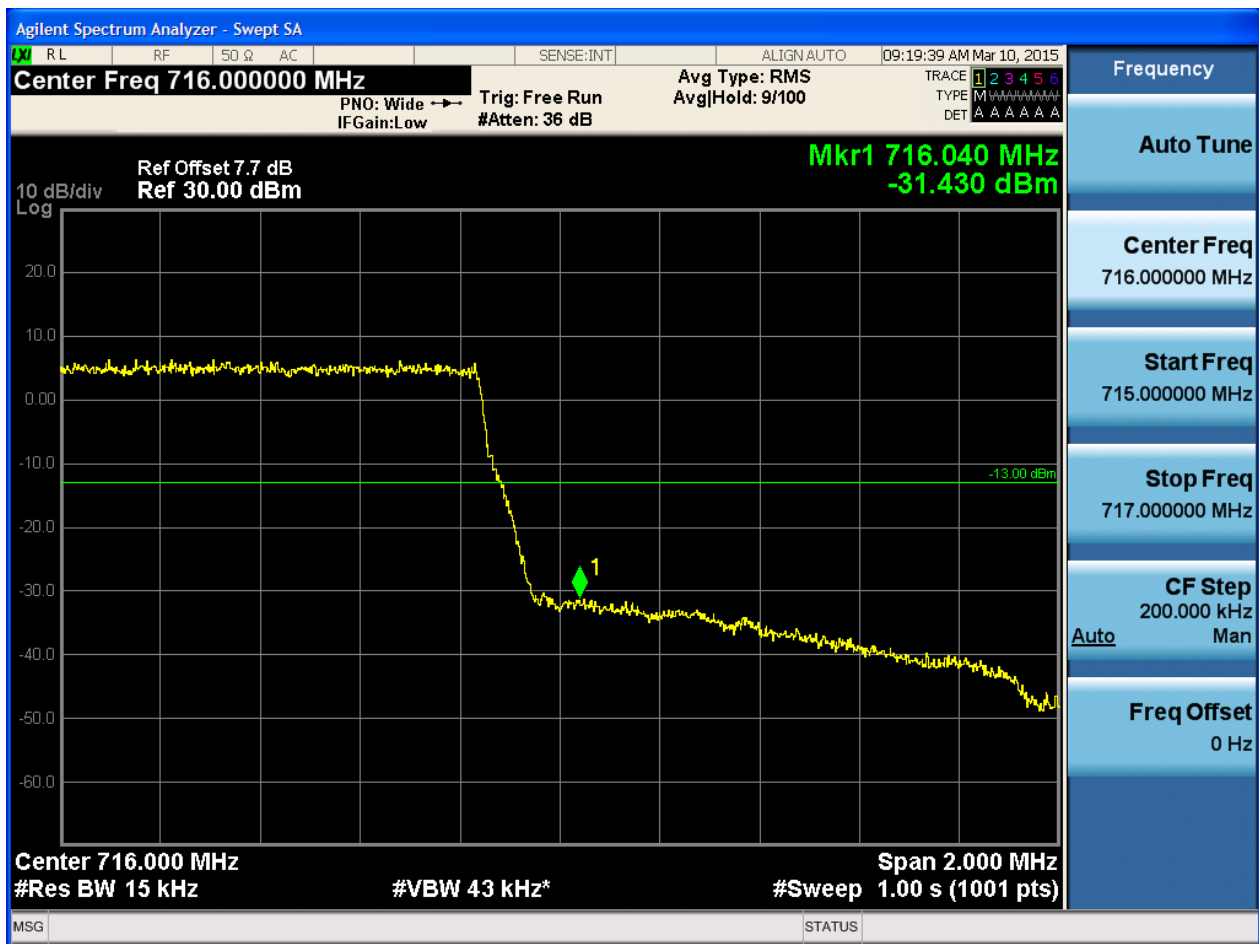


5.1.1.1.1.2.3 Test RB = RB3#2





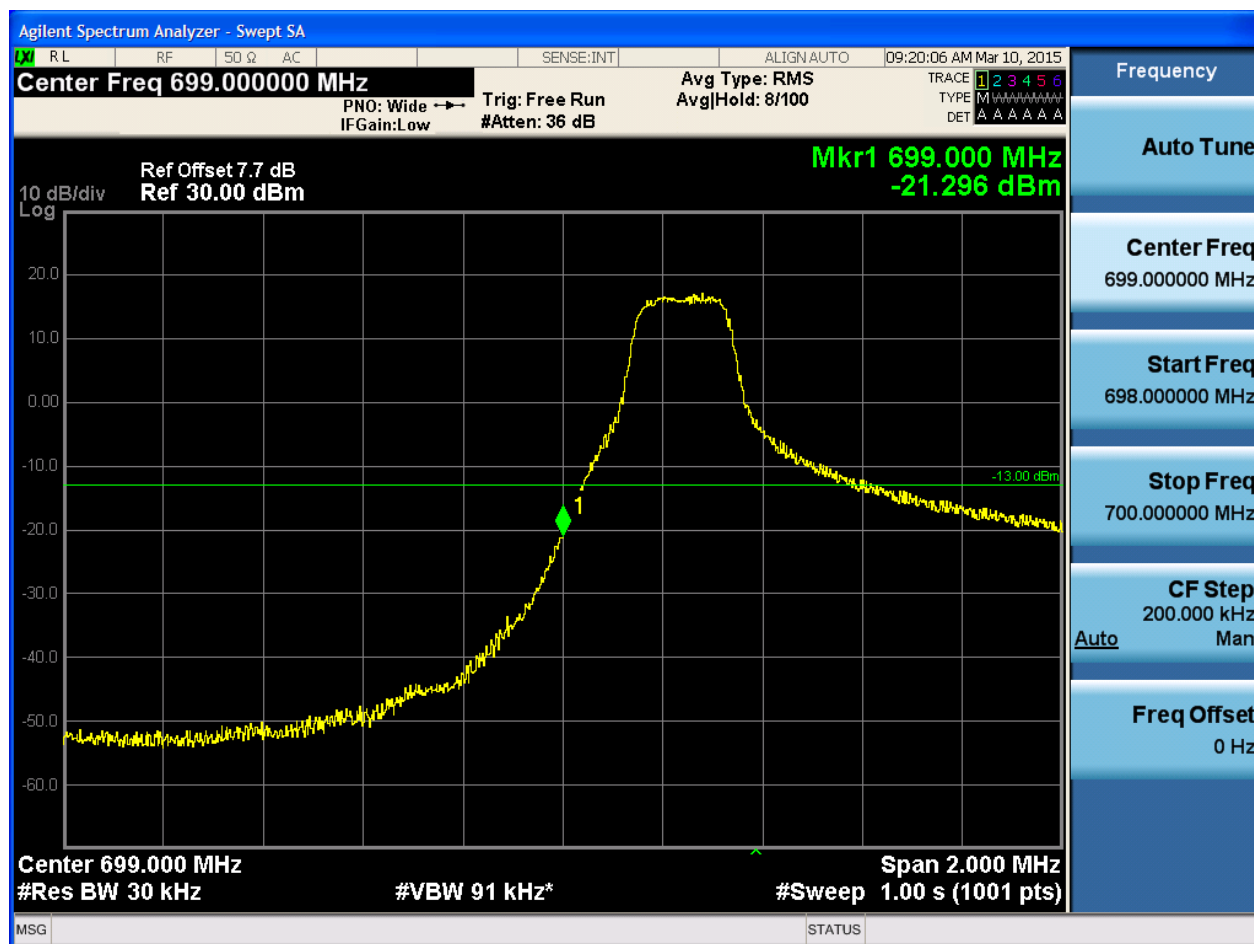
5.1.1.1.2.4 Test RB = RB6#0



5.1.1.1.2 Test Bandwidth = 3

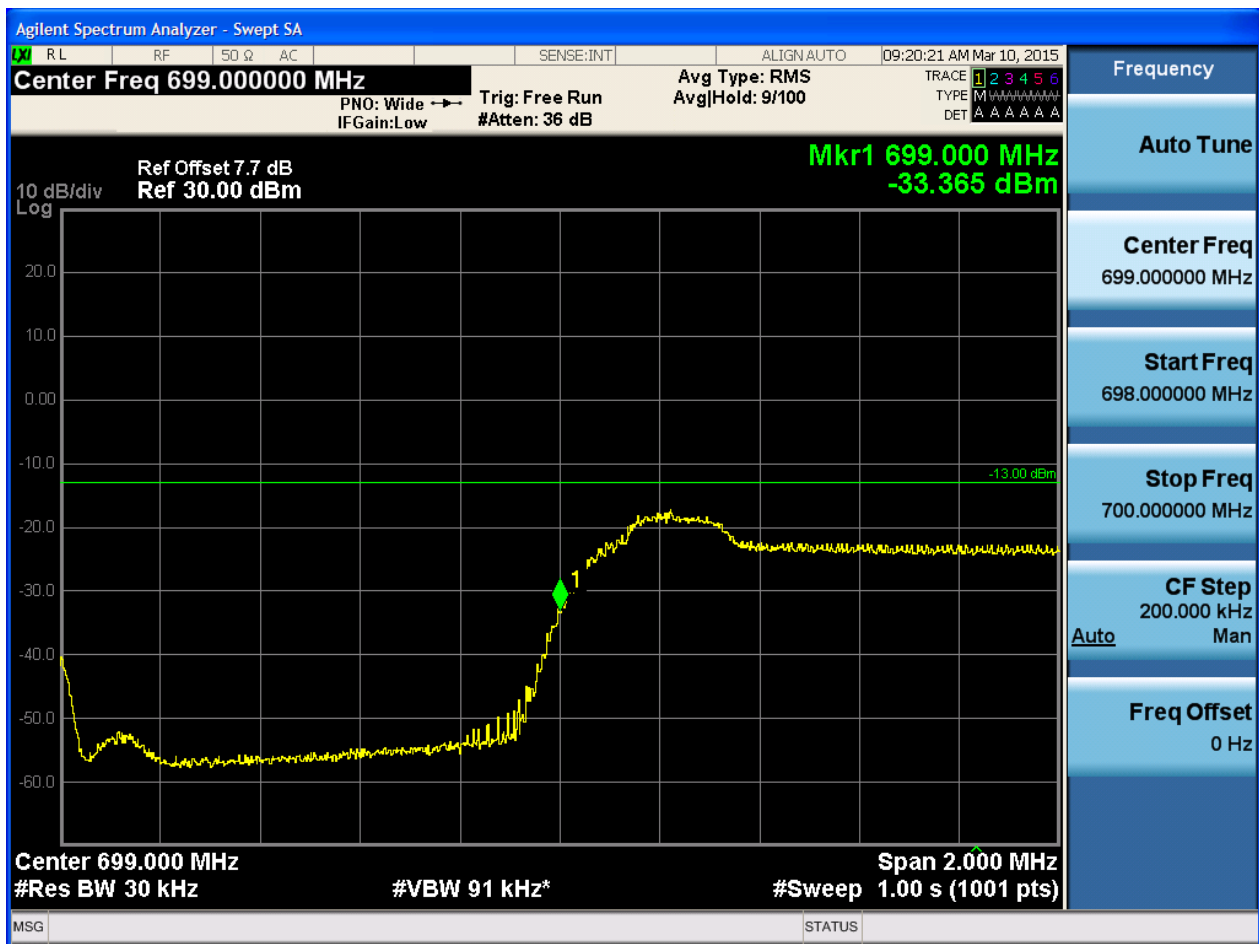
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



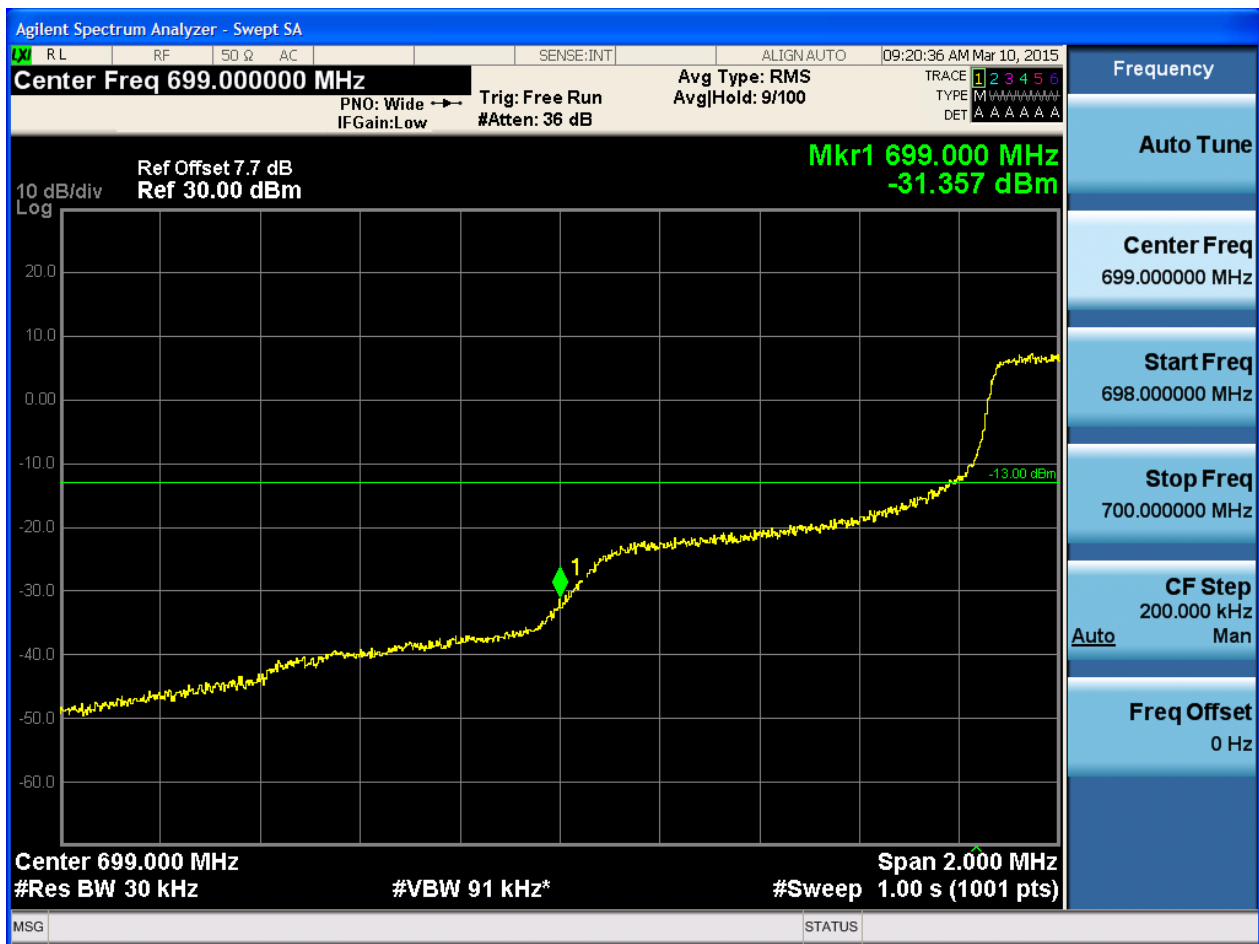


5.1.1.1.2.1.2 Test RB = RB1#14



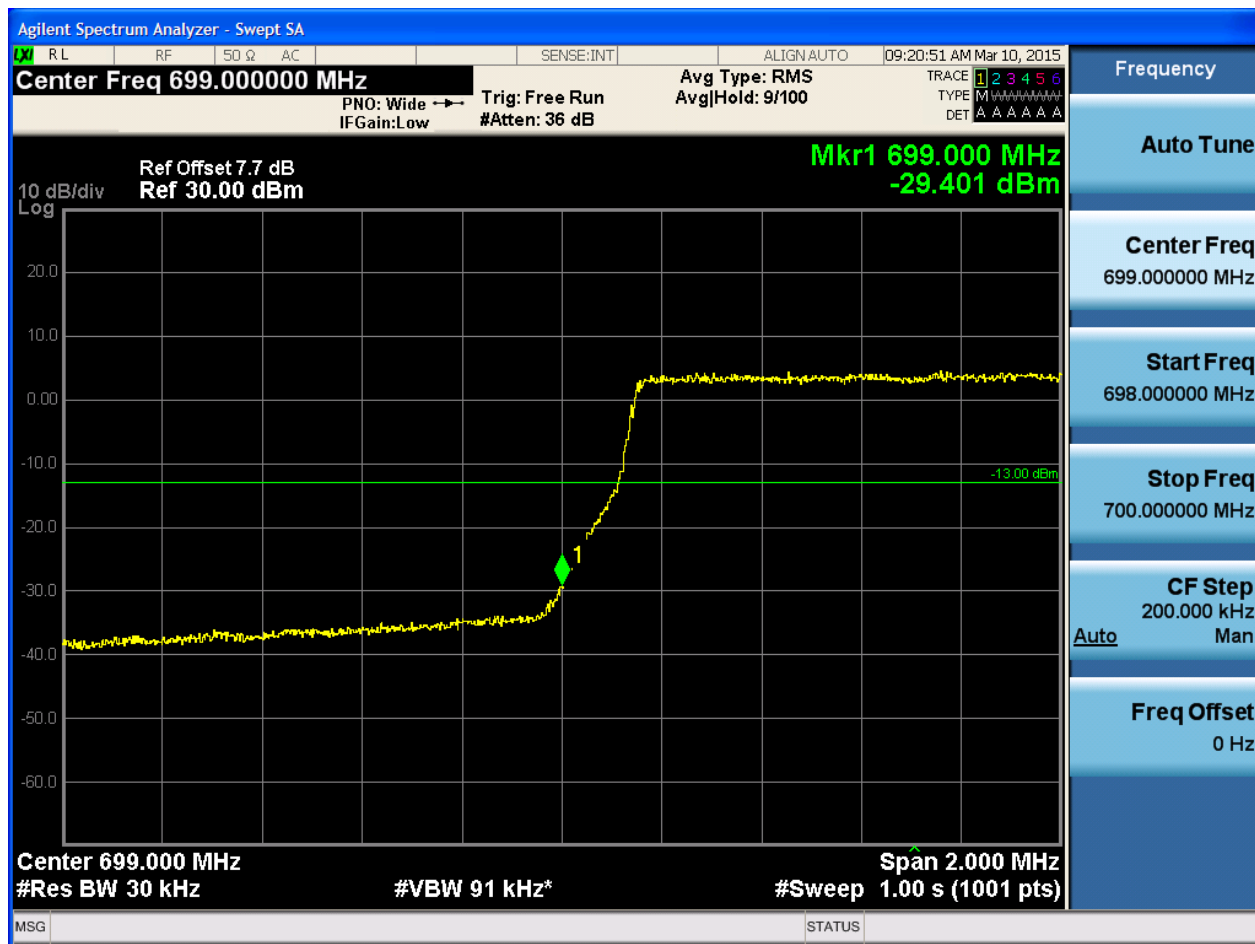


5.1.1.1.2.1.3 Test RB = RB8#4



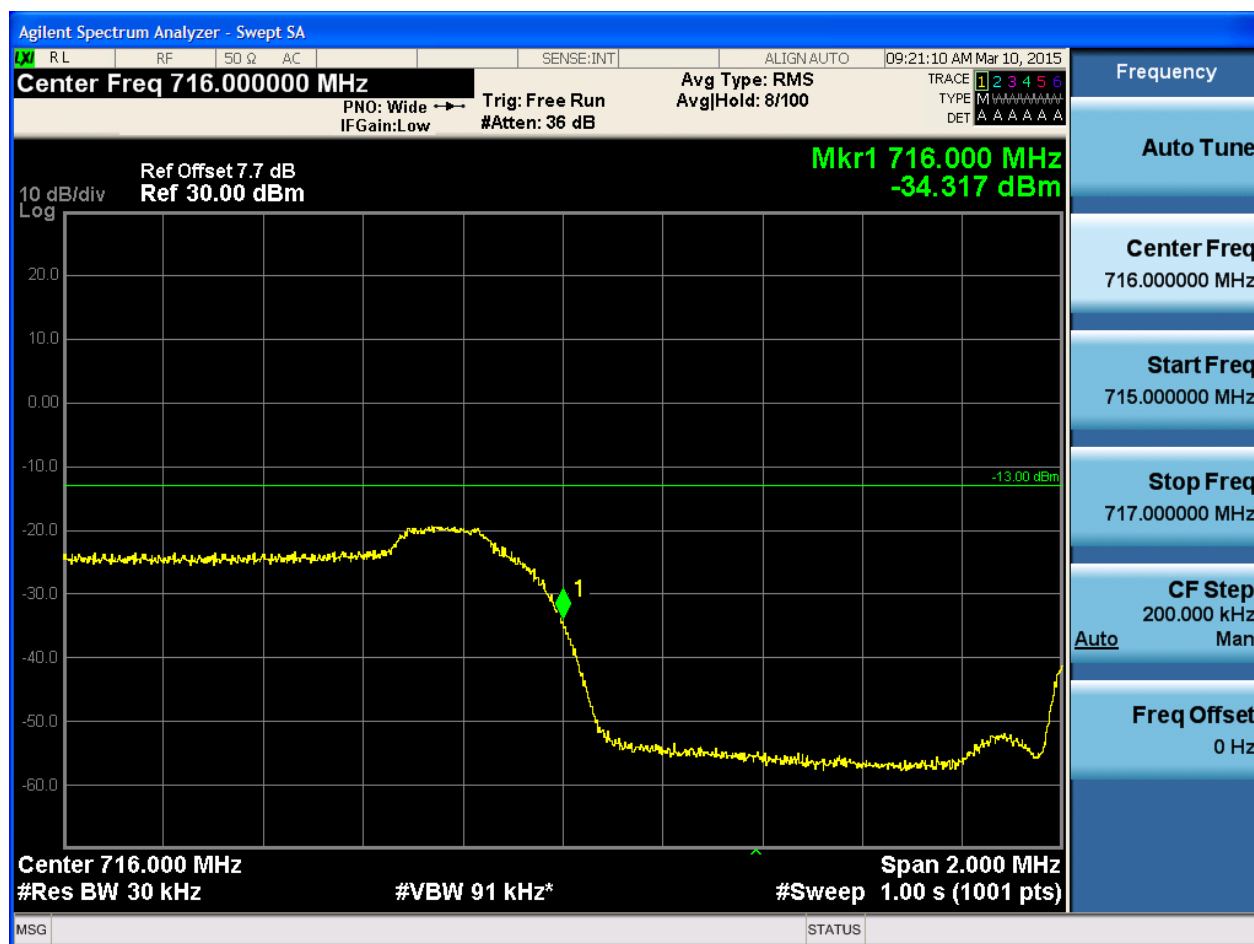


5.1.1.1.2.1.4 Test RB = RB15#0



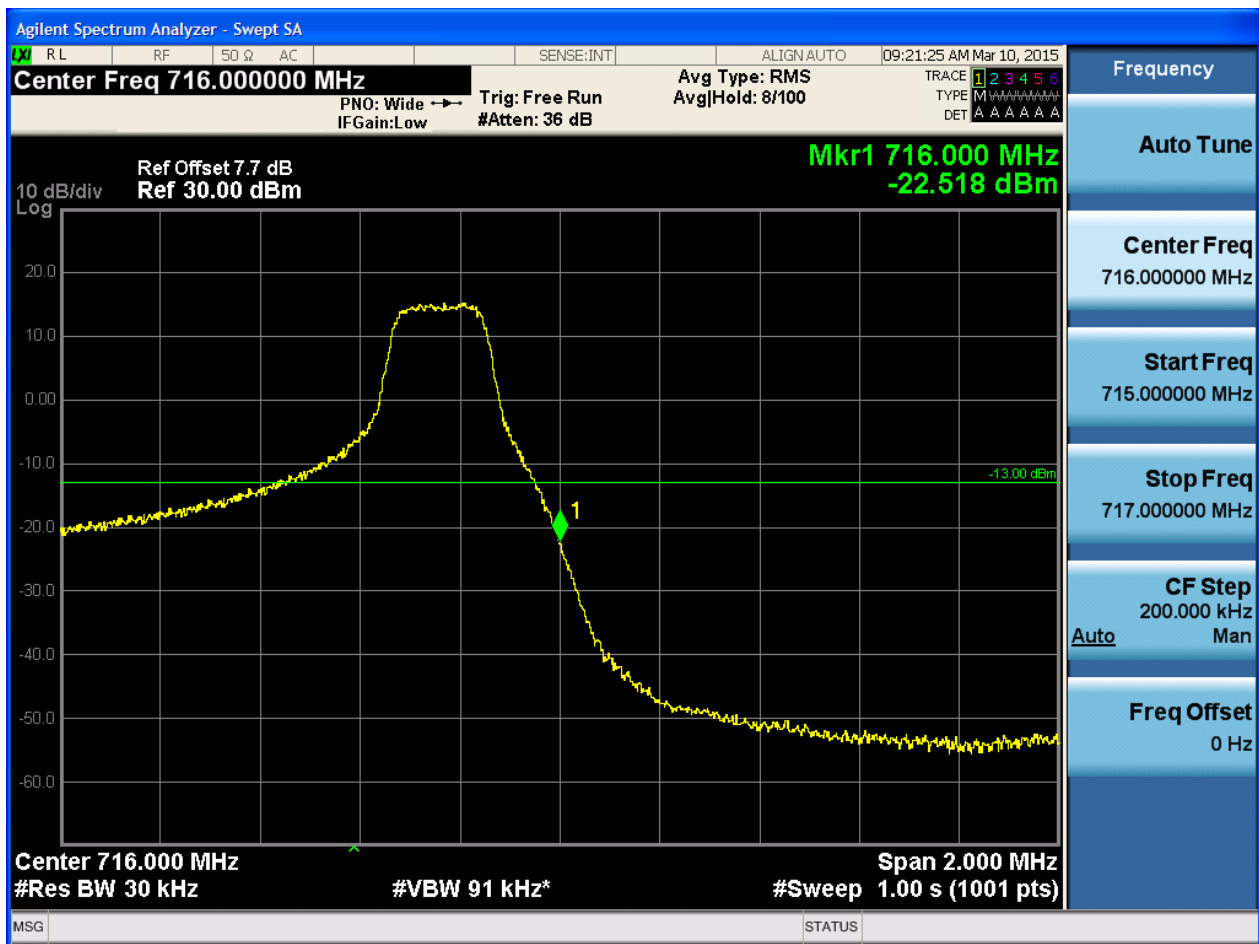
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#14



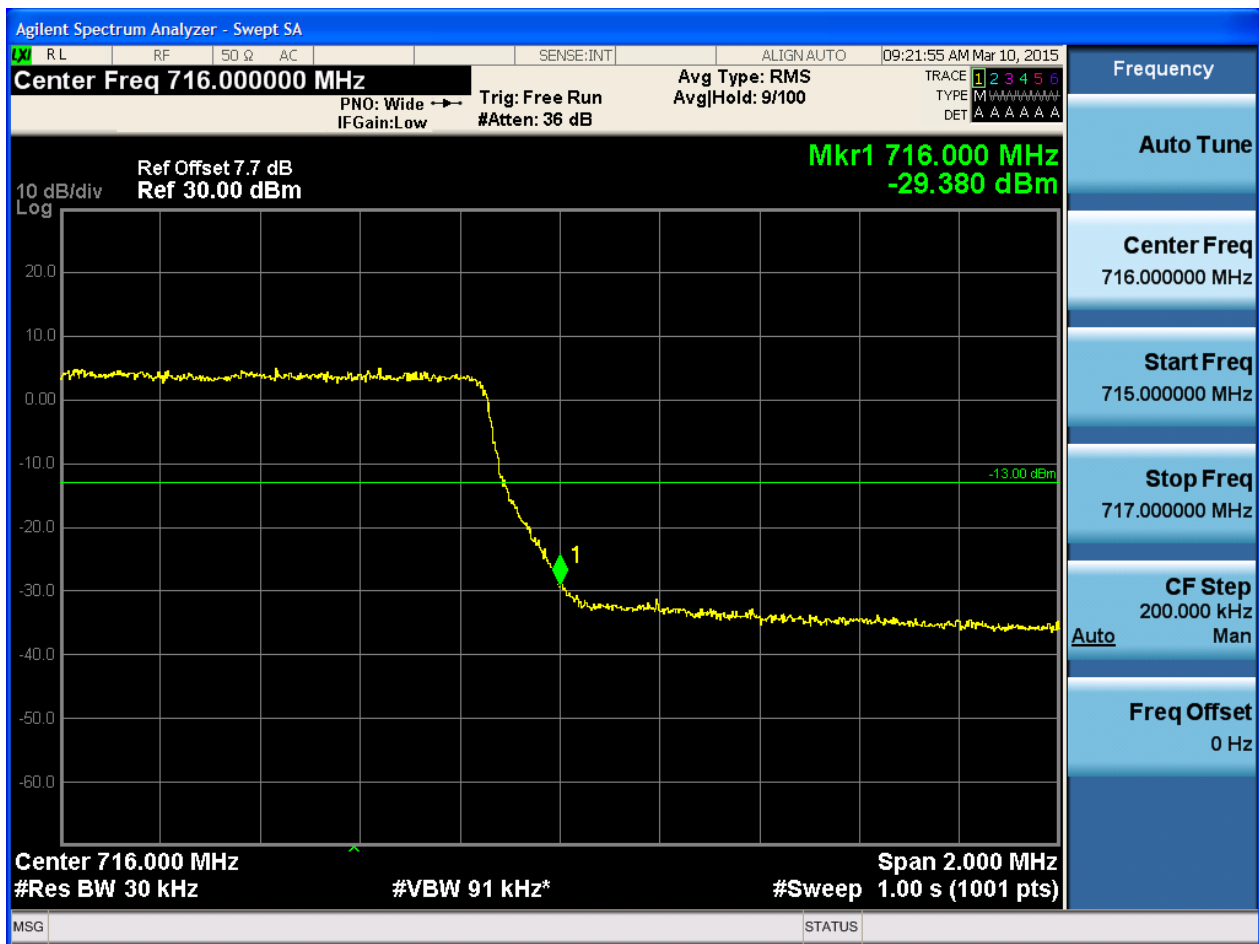


5.1.1.1.2.2.3 Test RB = RB8#4





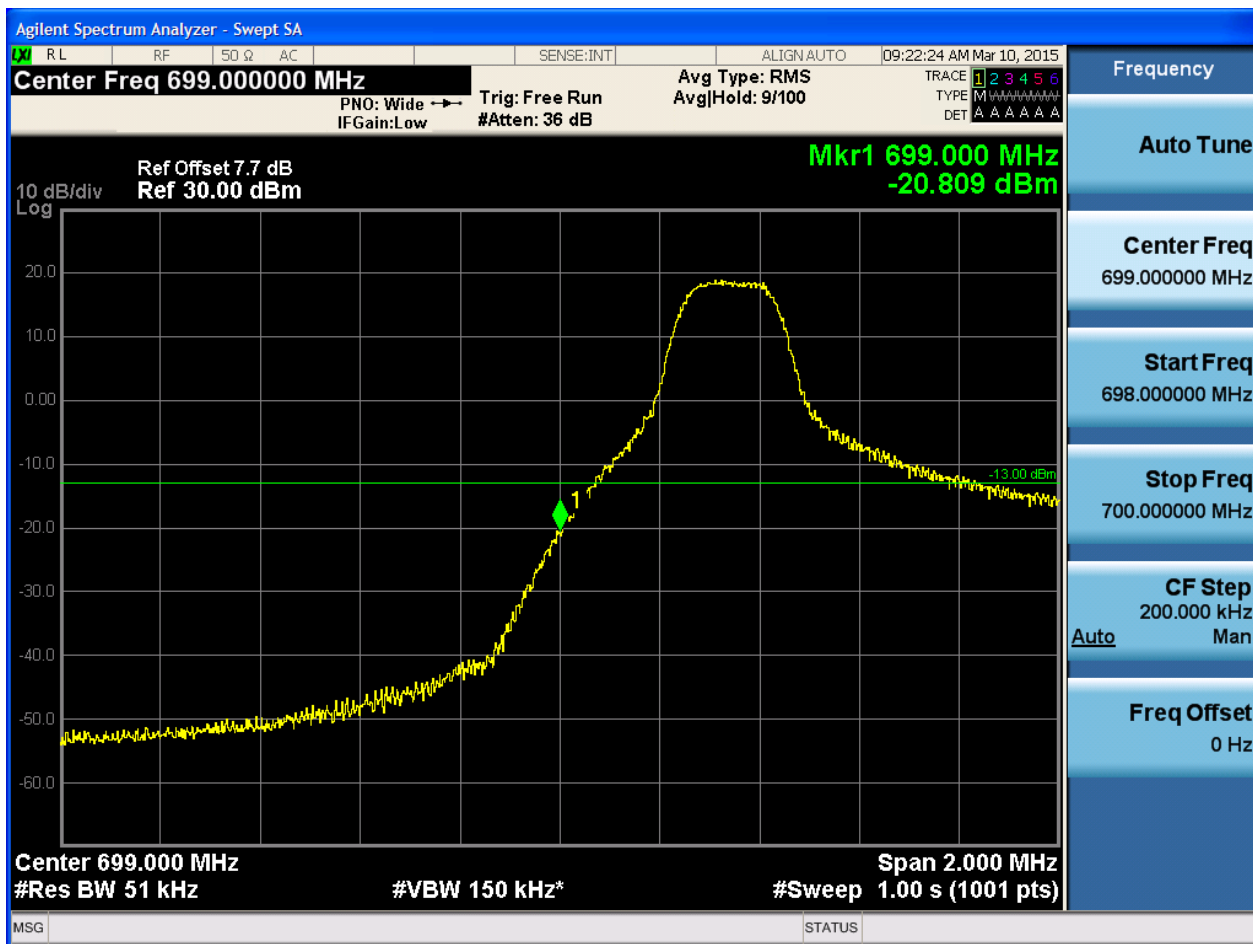
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

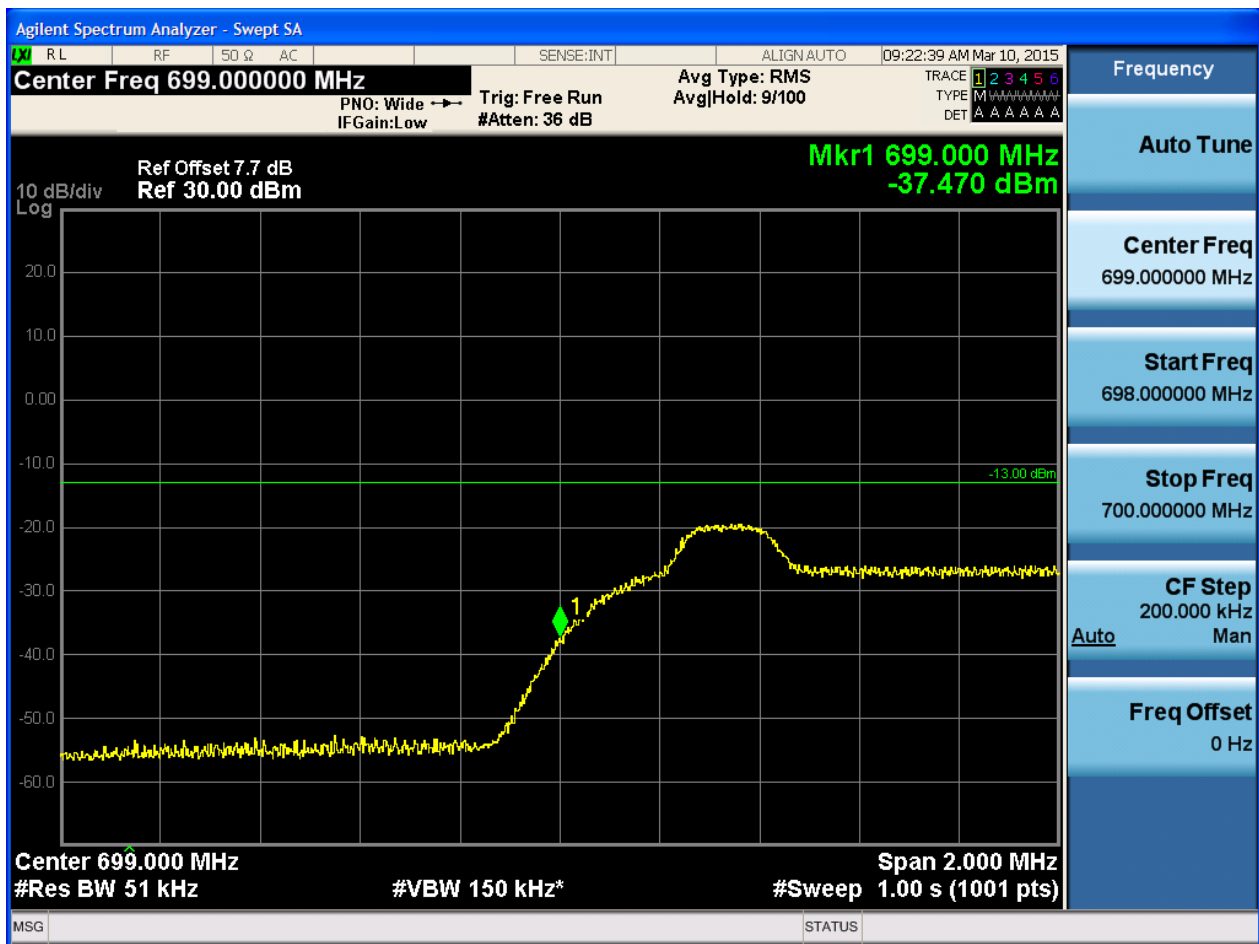
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



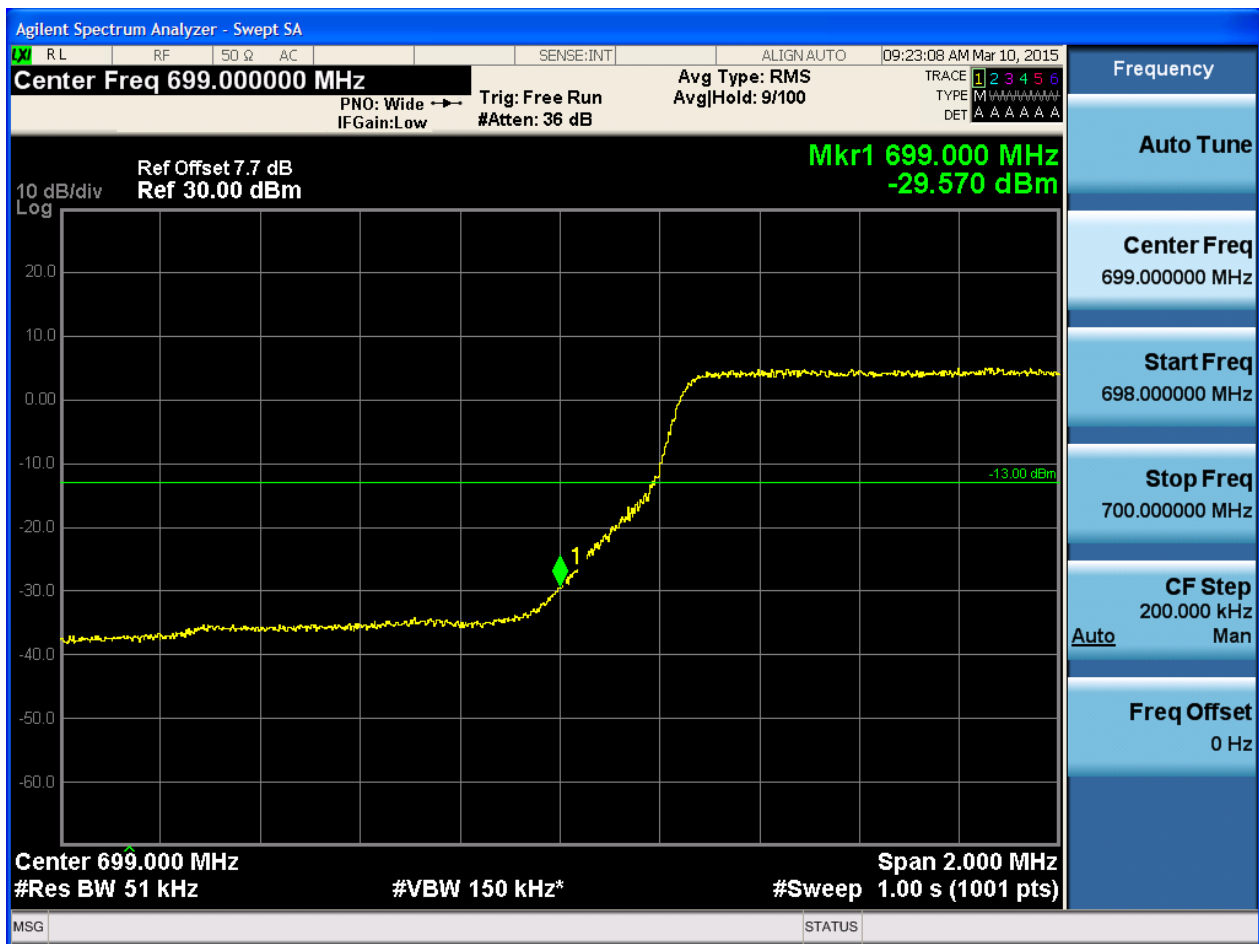


5.1.1.1.3.1.3 Test RB = RB12#6



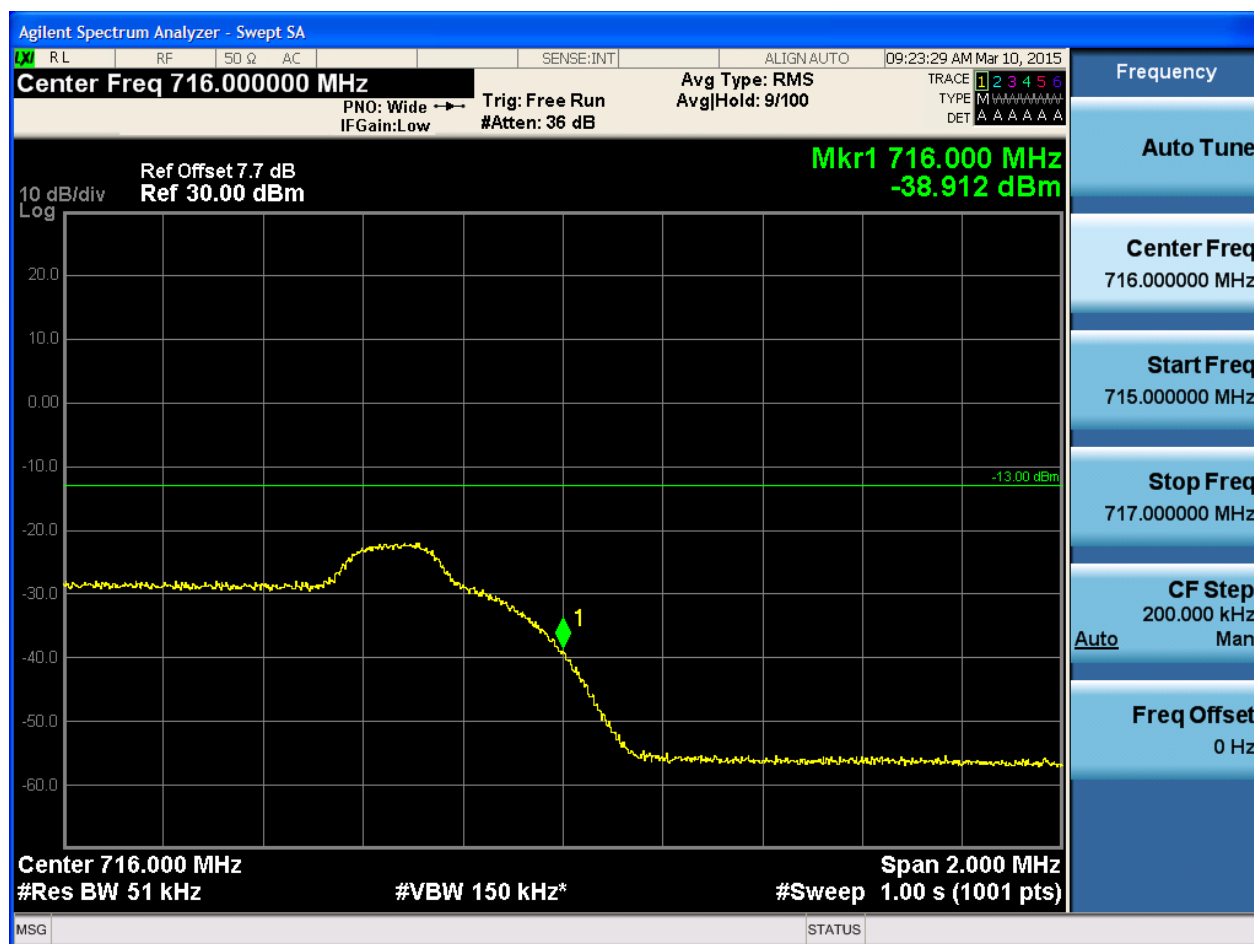


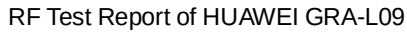
5.1.1.1.3.1.4 Test RB = RB25#0



5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.000 MHz
-23.262 dBm

Span 2.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*
#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
Man

Freq Offset
0 Hz



5.1.1.1.3.2.3 Test RB = RB12#6





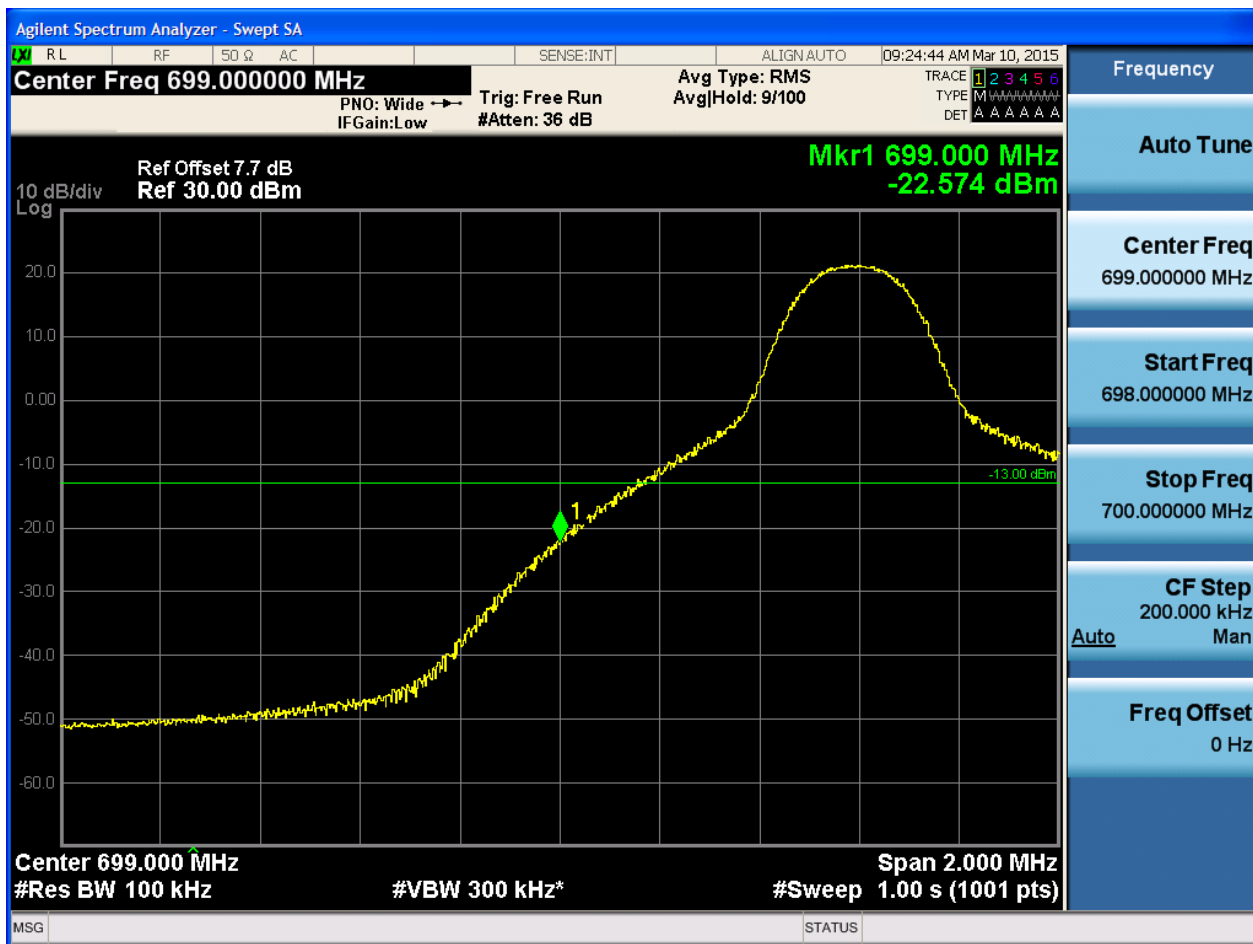
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

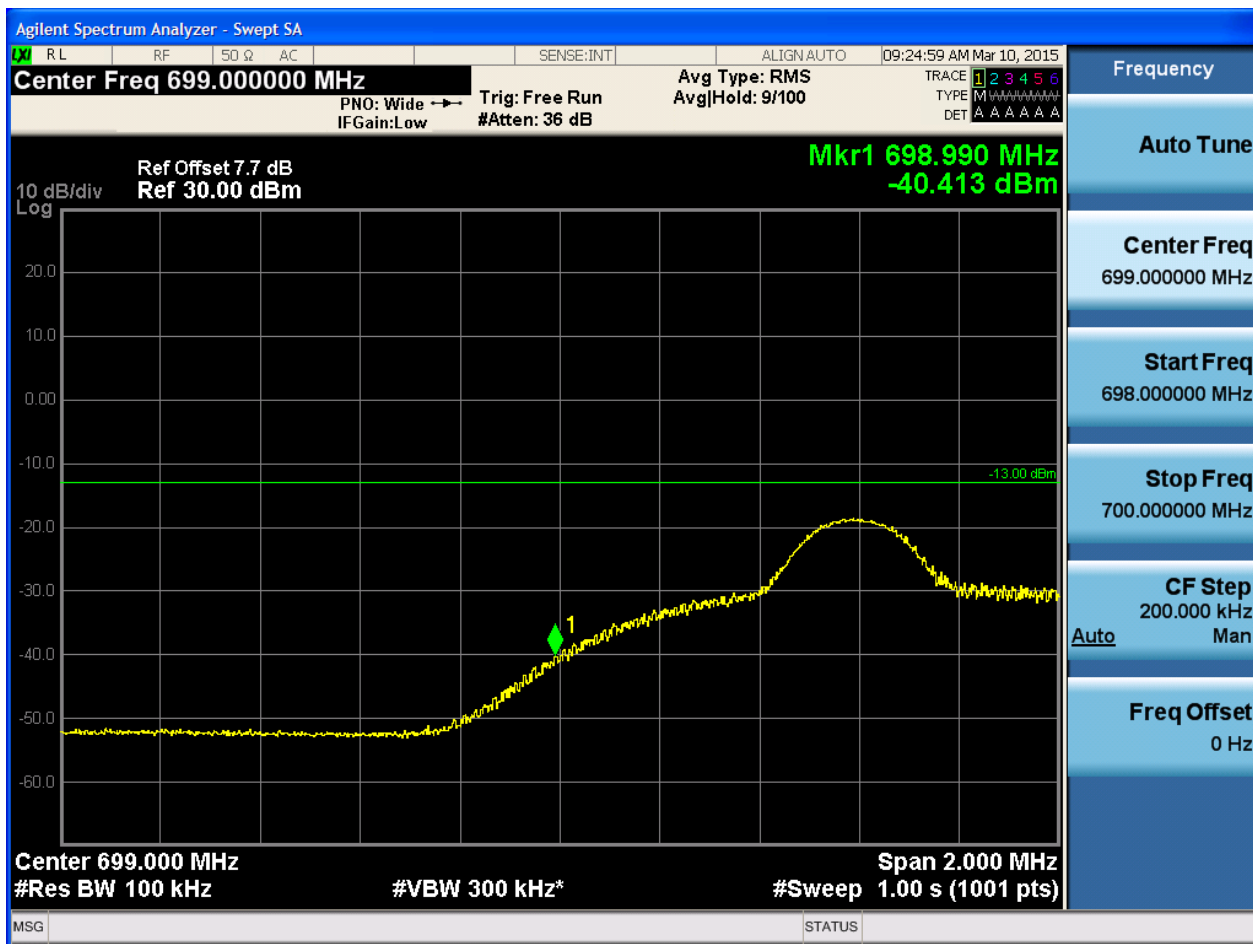
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



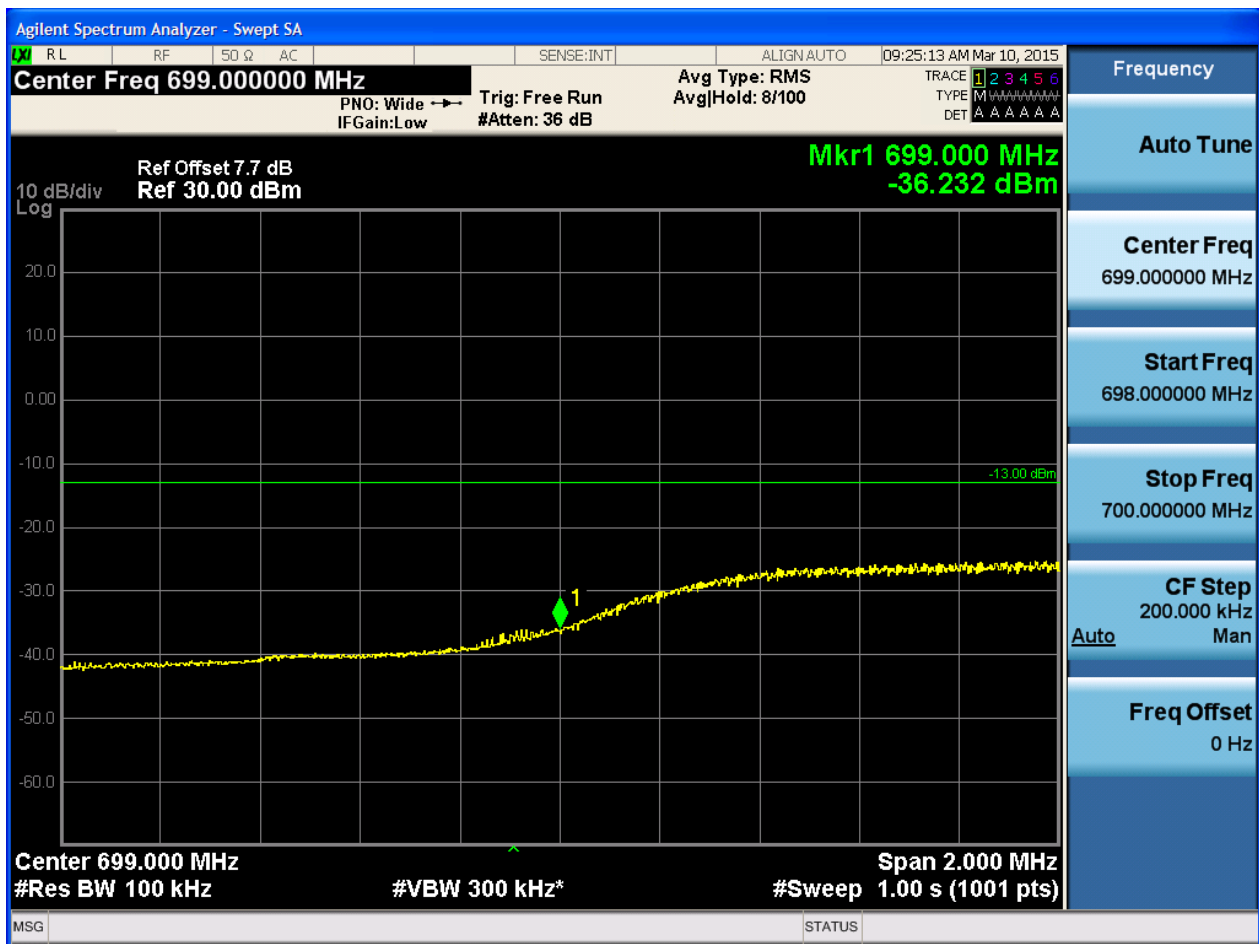


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0



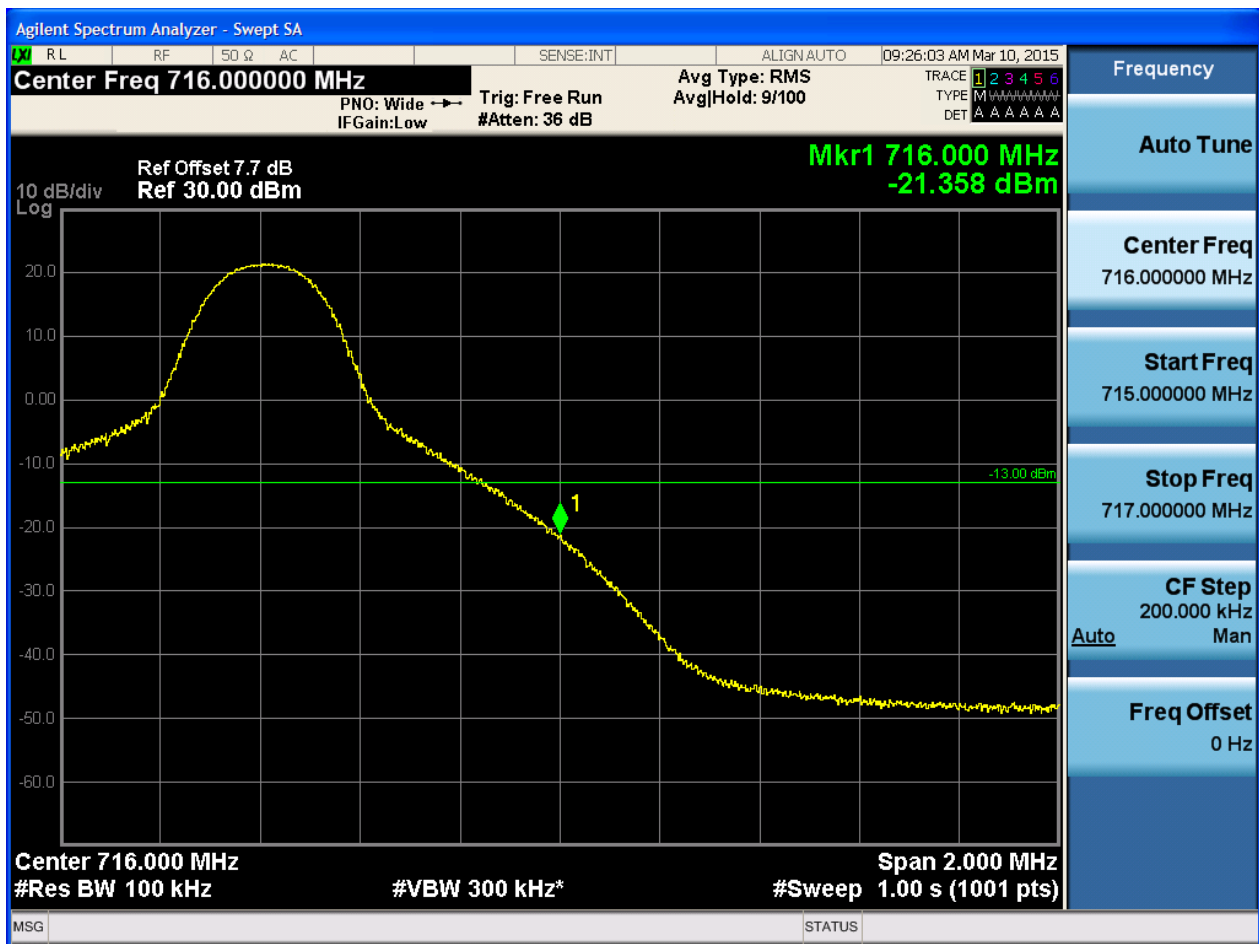
5.1.1.1.4.2 Test Channel = HCH

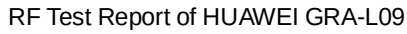
5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.010 MHz
-37.815 dBm

Center 716.000 MHz
#Res BW 100 kHz

#VBW 300 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
Man

Auto

Freq Offset
0 Hz

MSG

STATUS



5.1.1.1.4.2.4 Test RB = RB50#0

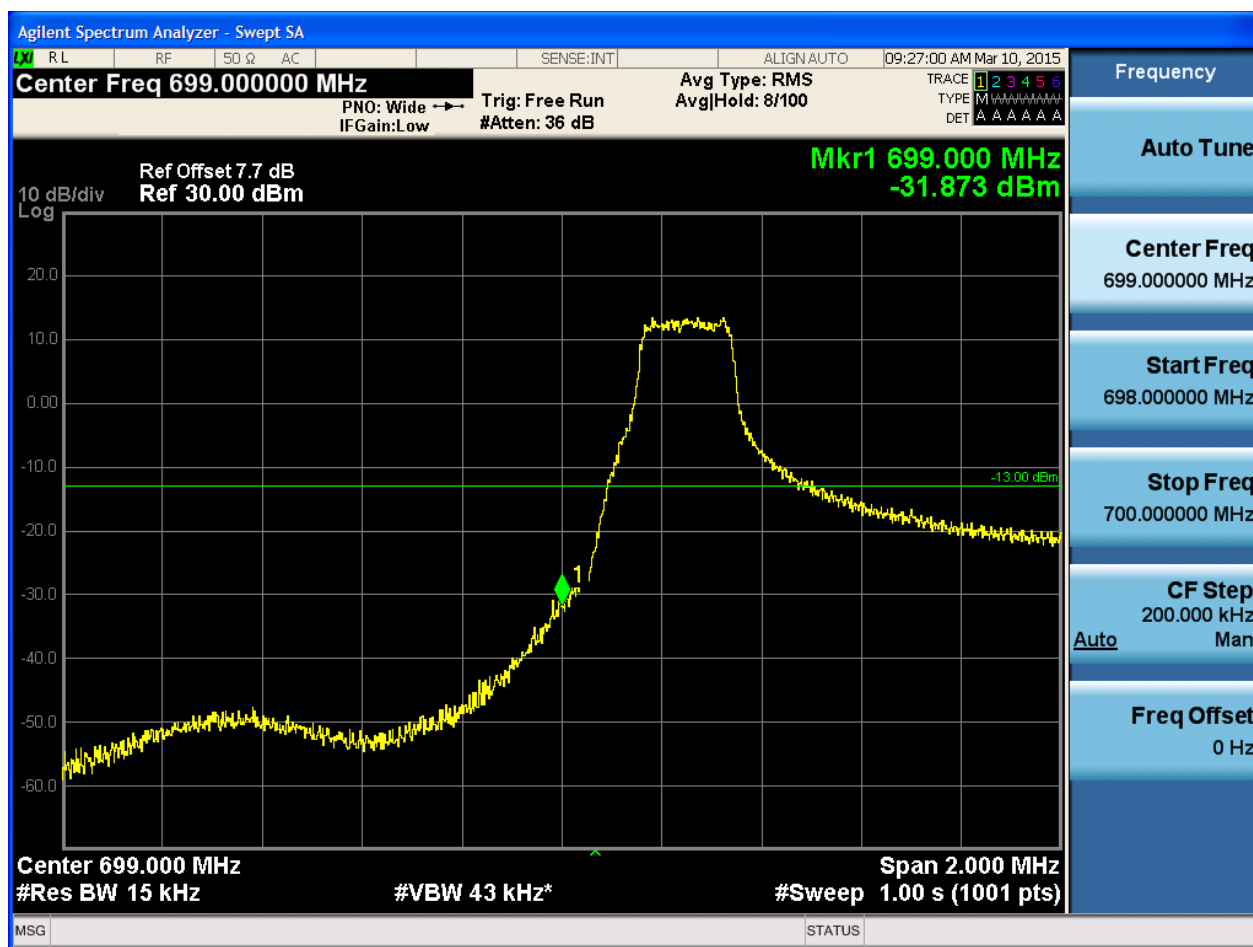


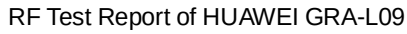
5.1.1.2 Test Mode = LTE/TM2

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





Agilent Spectrum Analyzer - Swept SA

Center Freq 699.000000 MHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Center 699.000 MHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 9/100

Frequency

Auto Tune

Center Freq
699.000000 MHz

Start Freq
698.000000 MHz

Stop Freq
700.000000 MHz

CF Step
200.000 kHz
Man

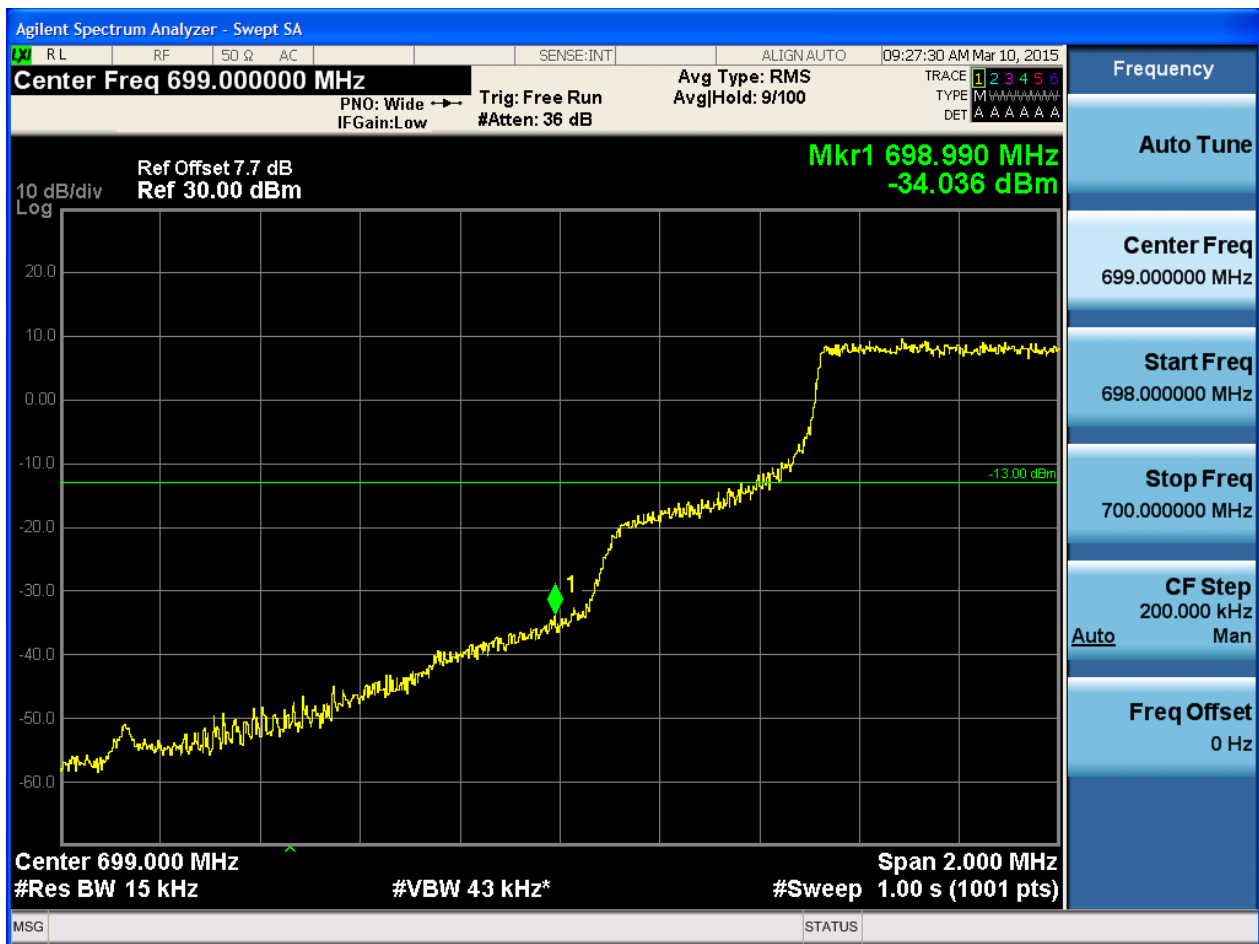
Freq Offset
0 Hz

Mkr1 698.360 MHz
-28.408 dBm

-13.05 dBm

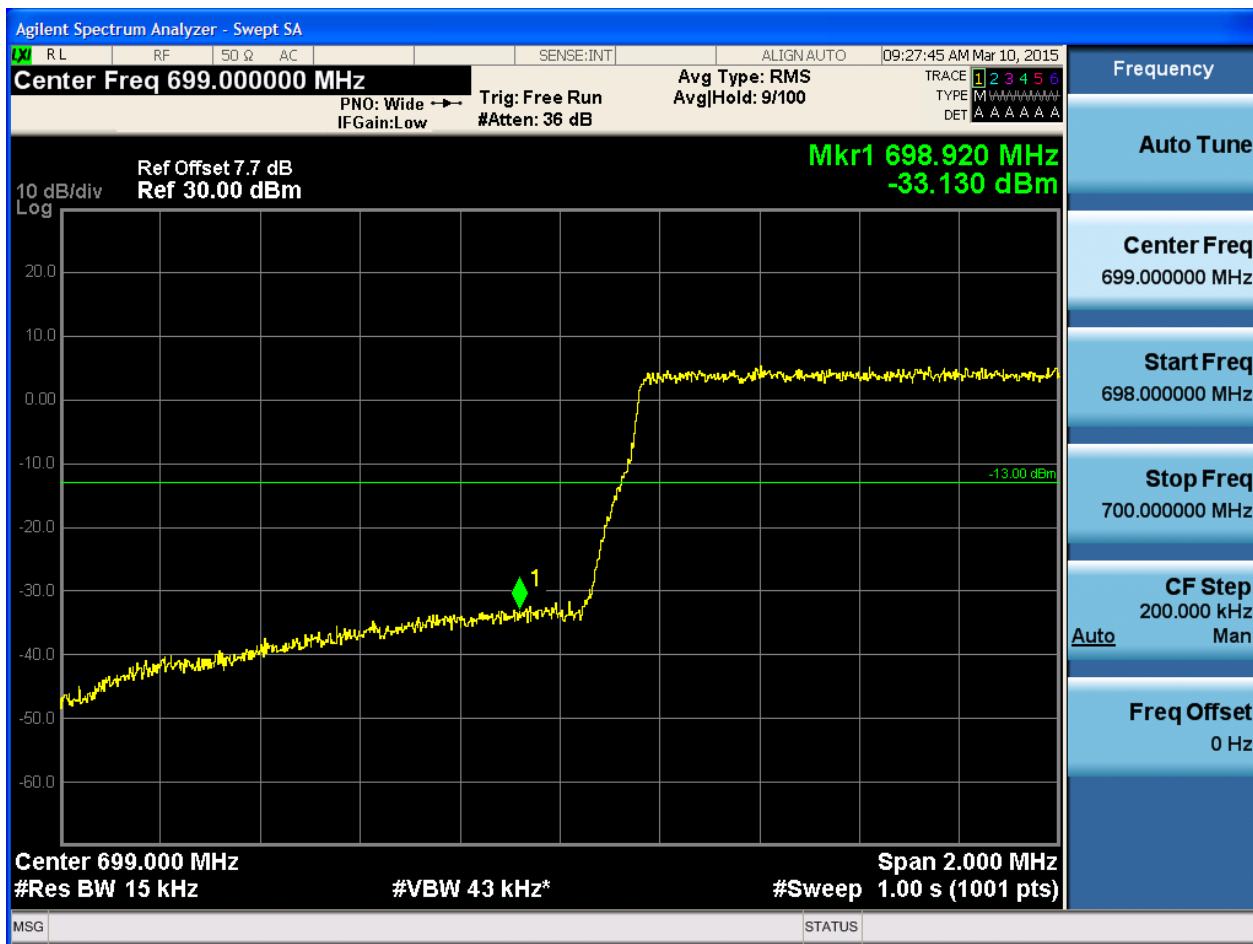


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0



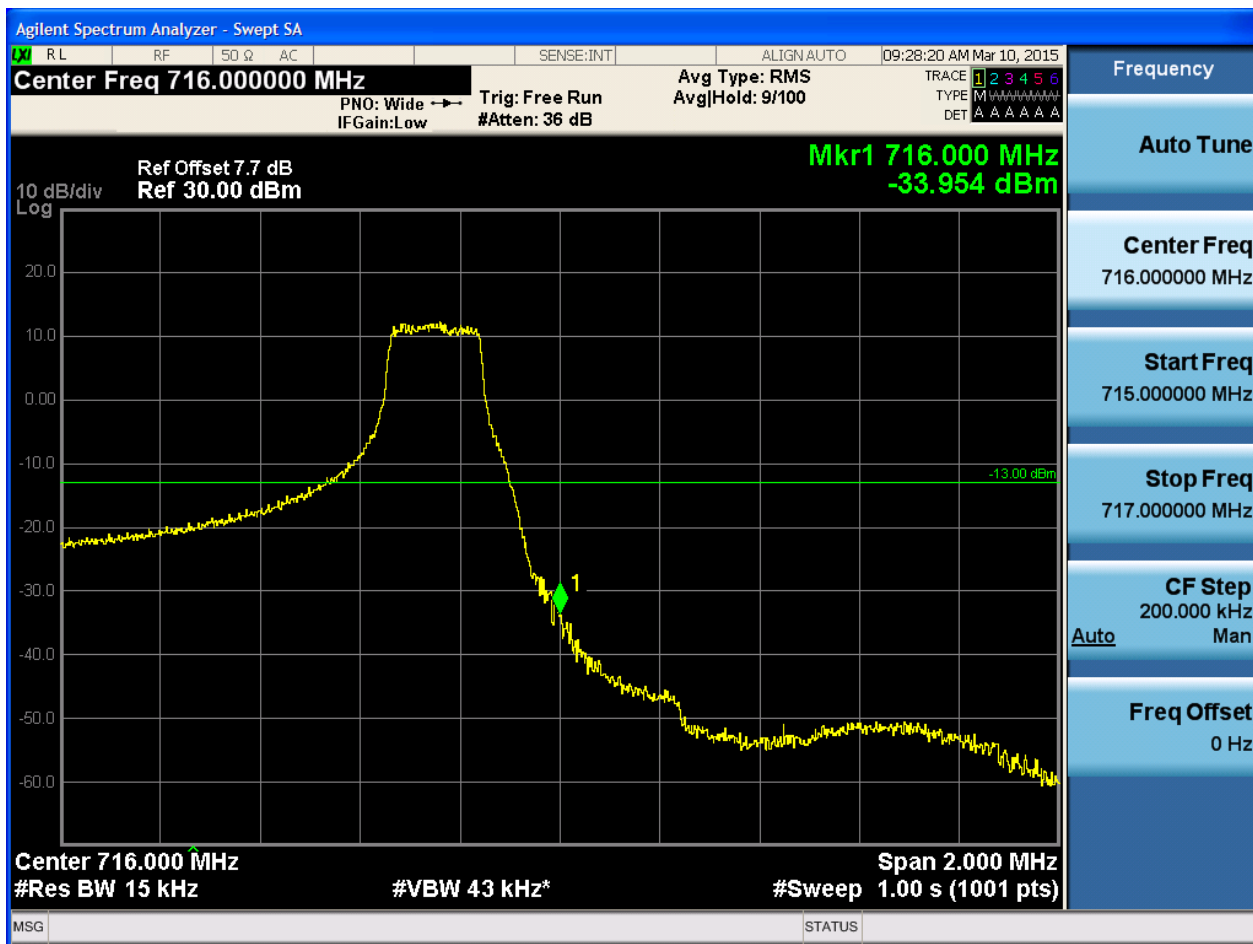
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



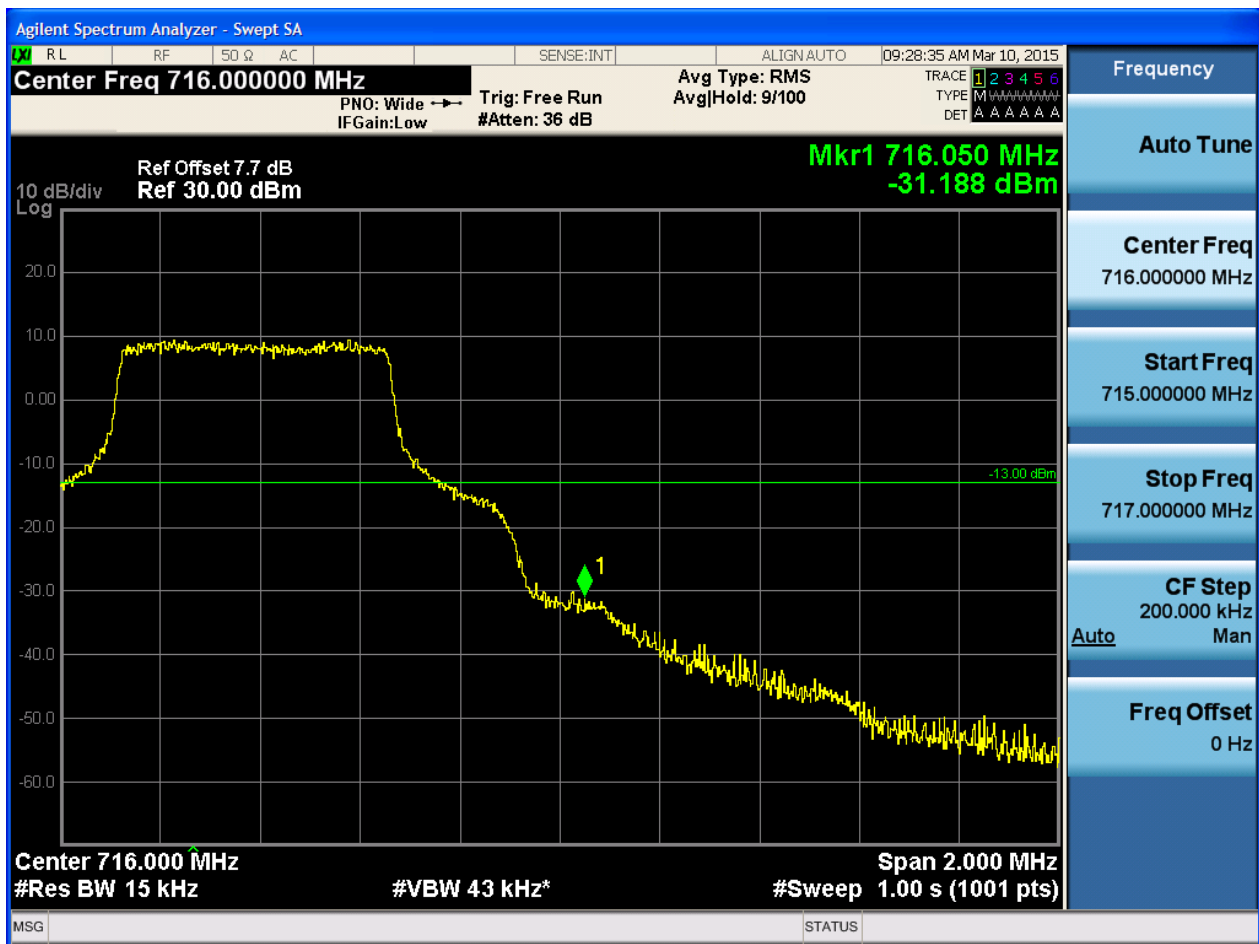


5.1.1.2.1.2.2 Test RB = RB1#5



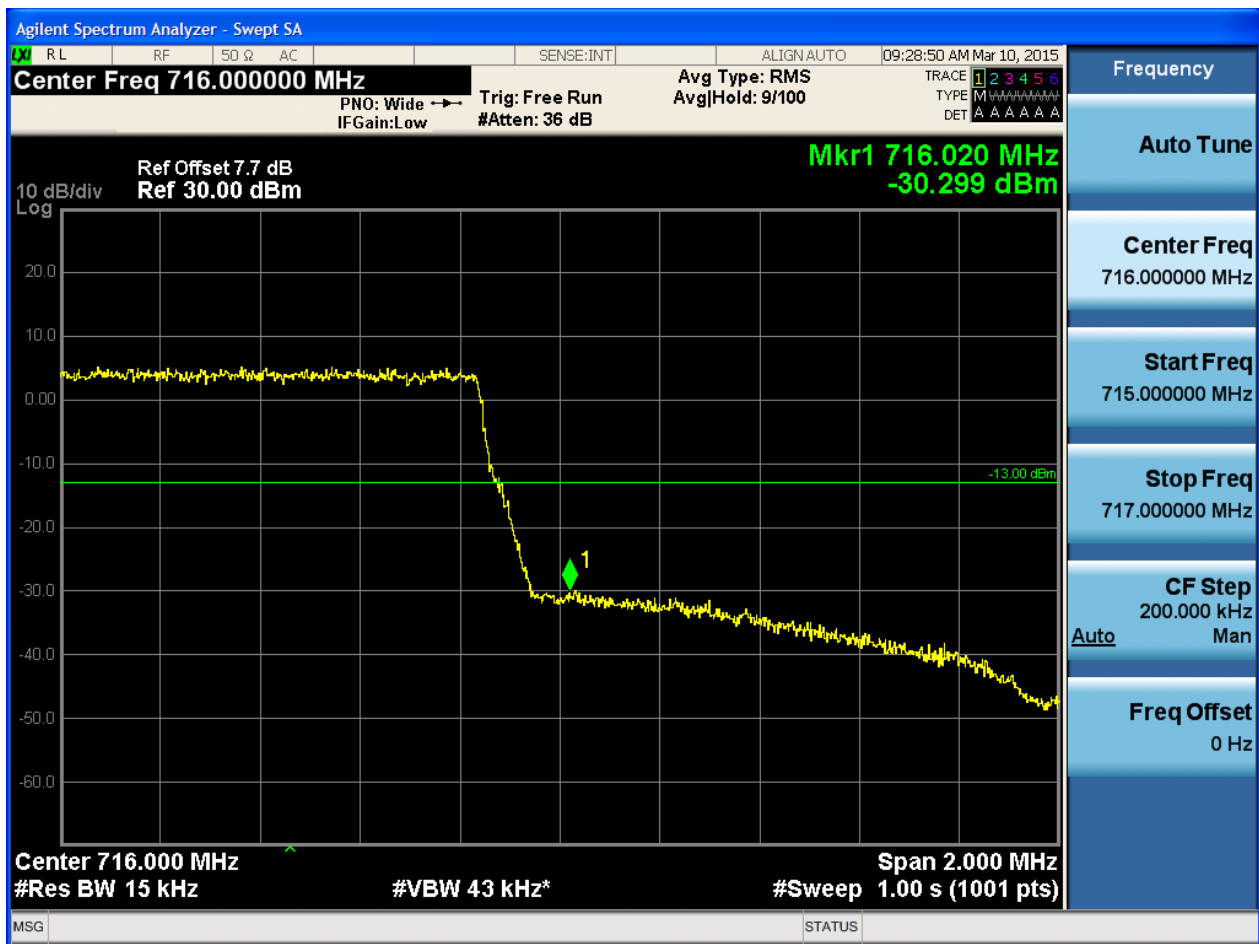


5.1.1.2.1.2.3 Test RB = RB3#2





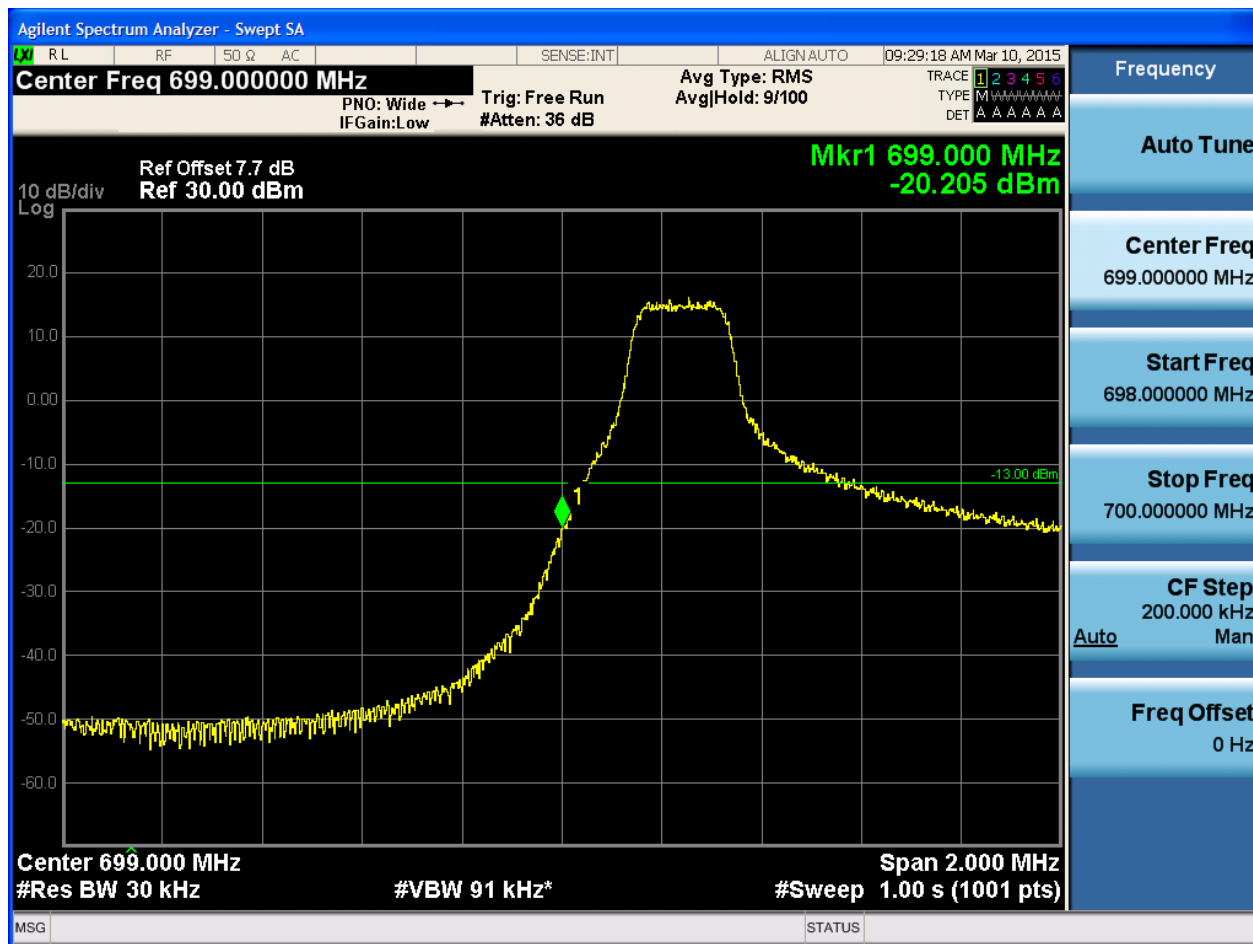
5.1.1.2.1.2.4 Test RB = RB6#0



5.1.1.2.2 Test Bandwidth = 3

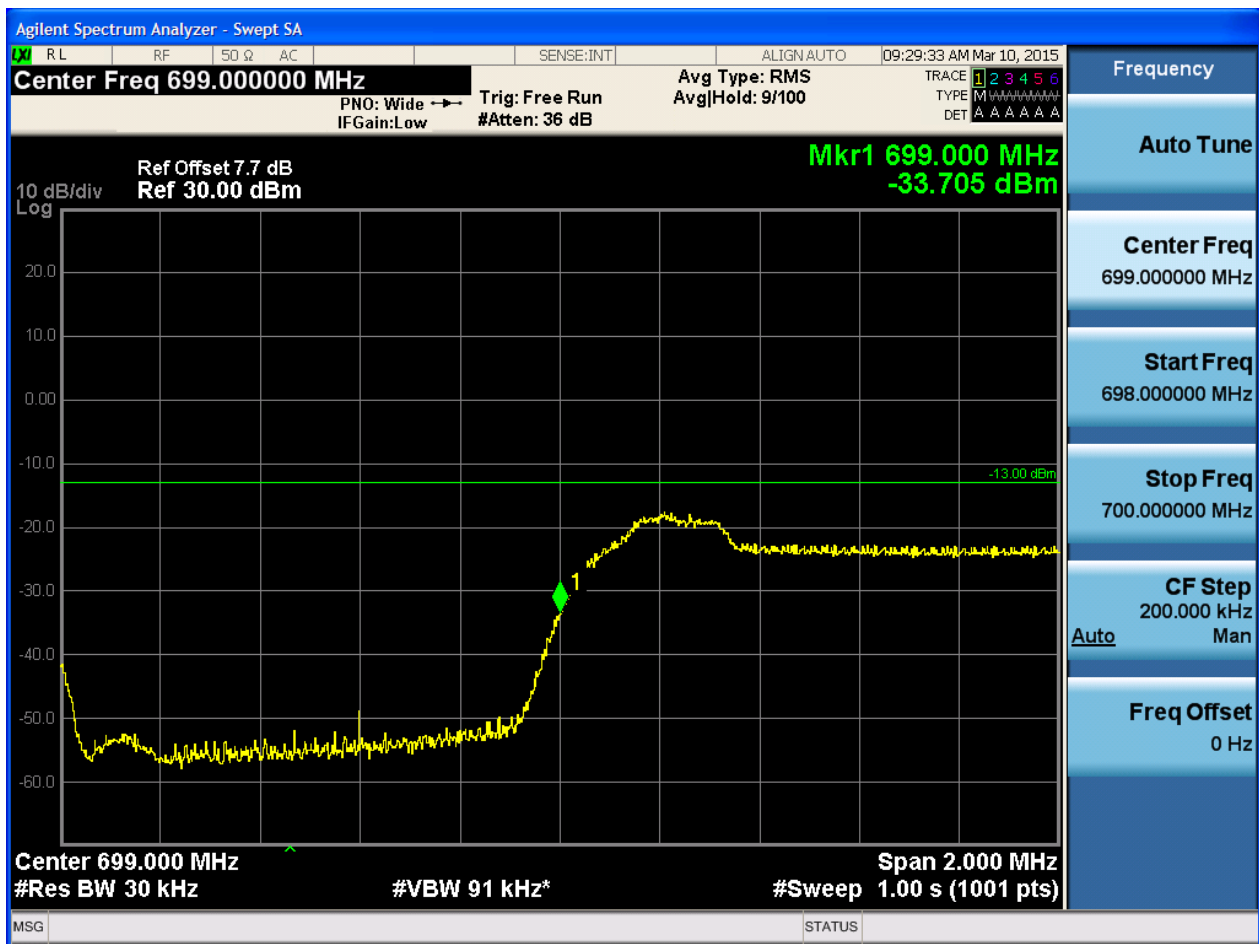
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14



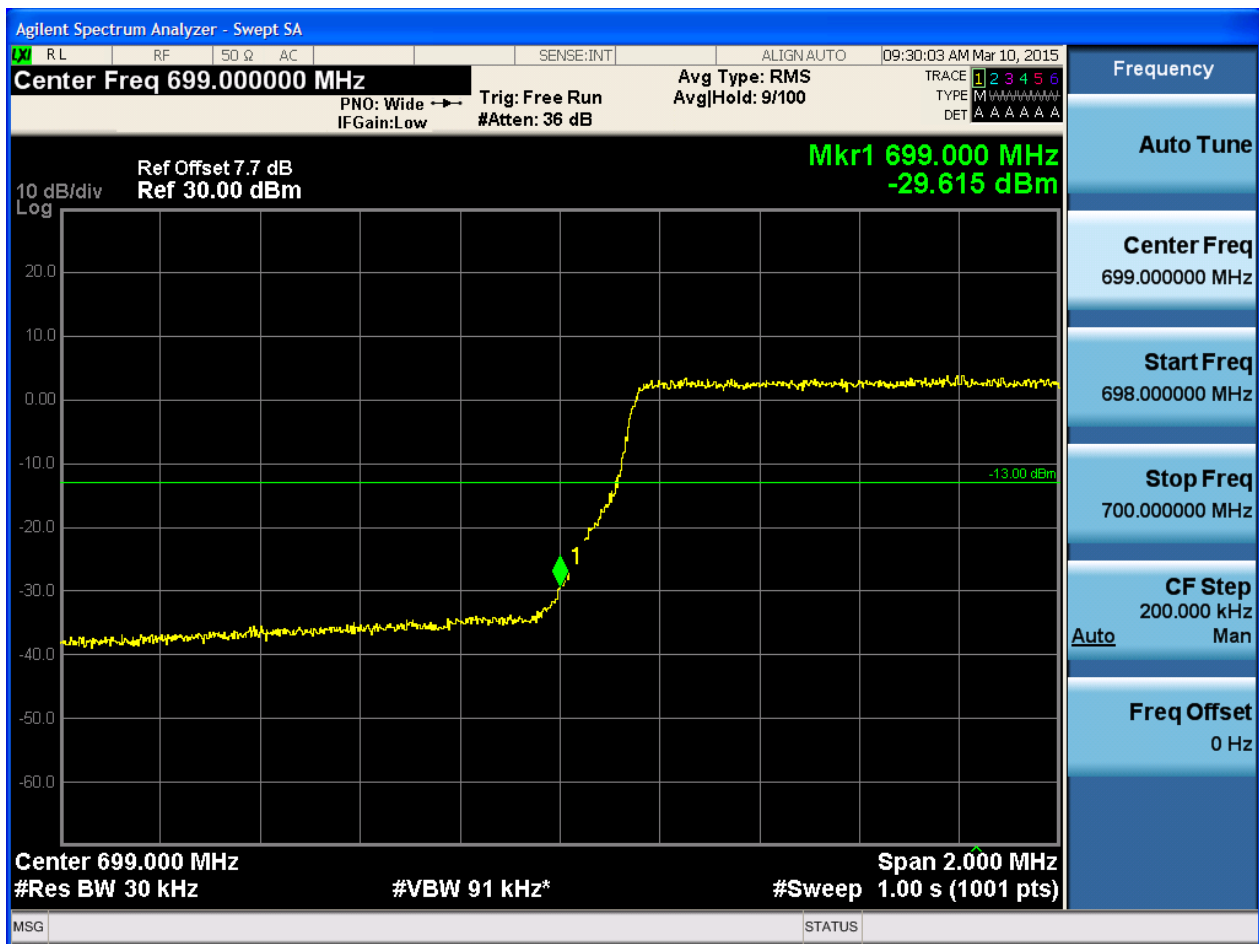


5.1.1.2.2.1.3 Test RB = RB8#4





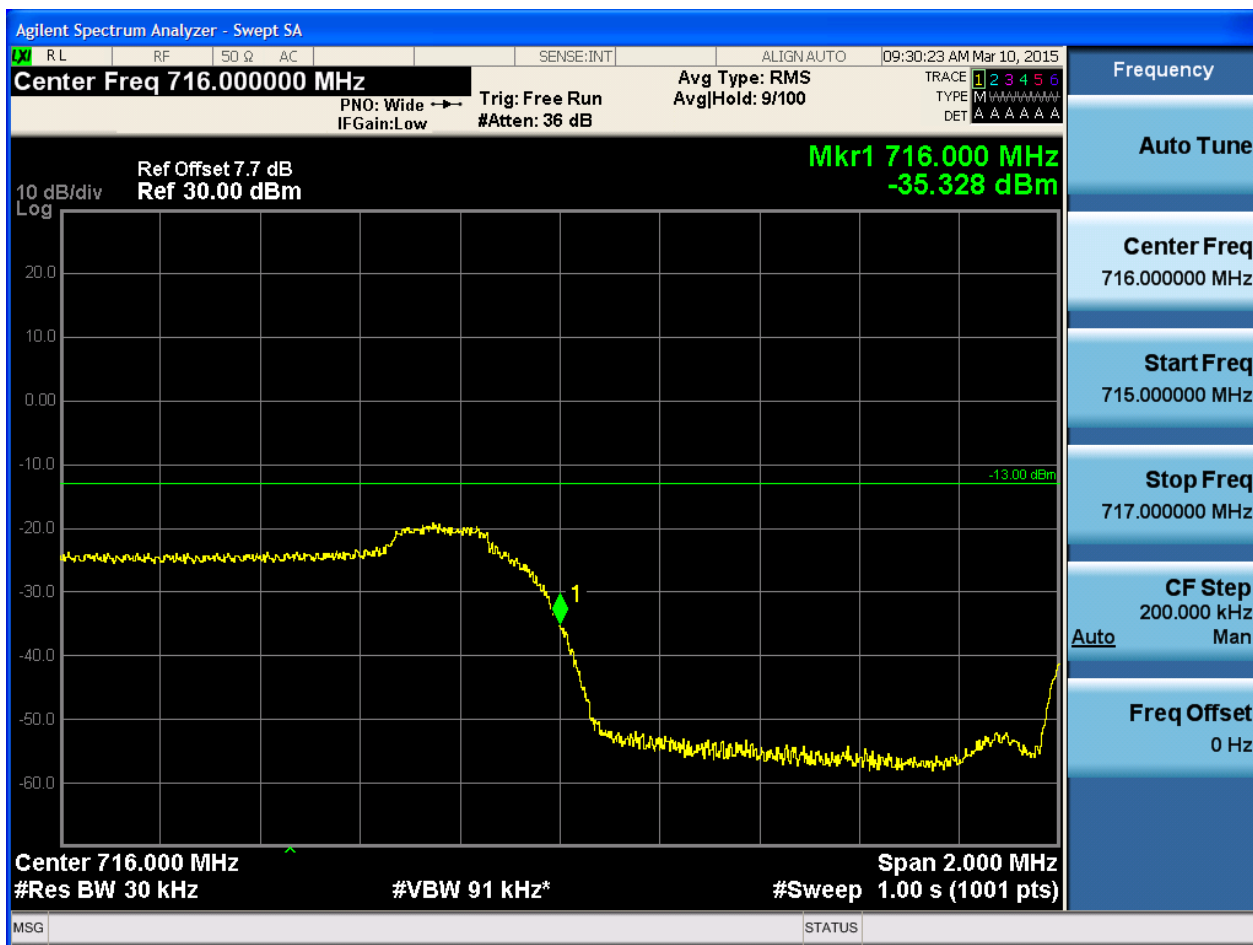
5.1.1.2.2.1.4 Test RB = RB15#0





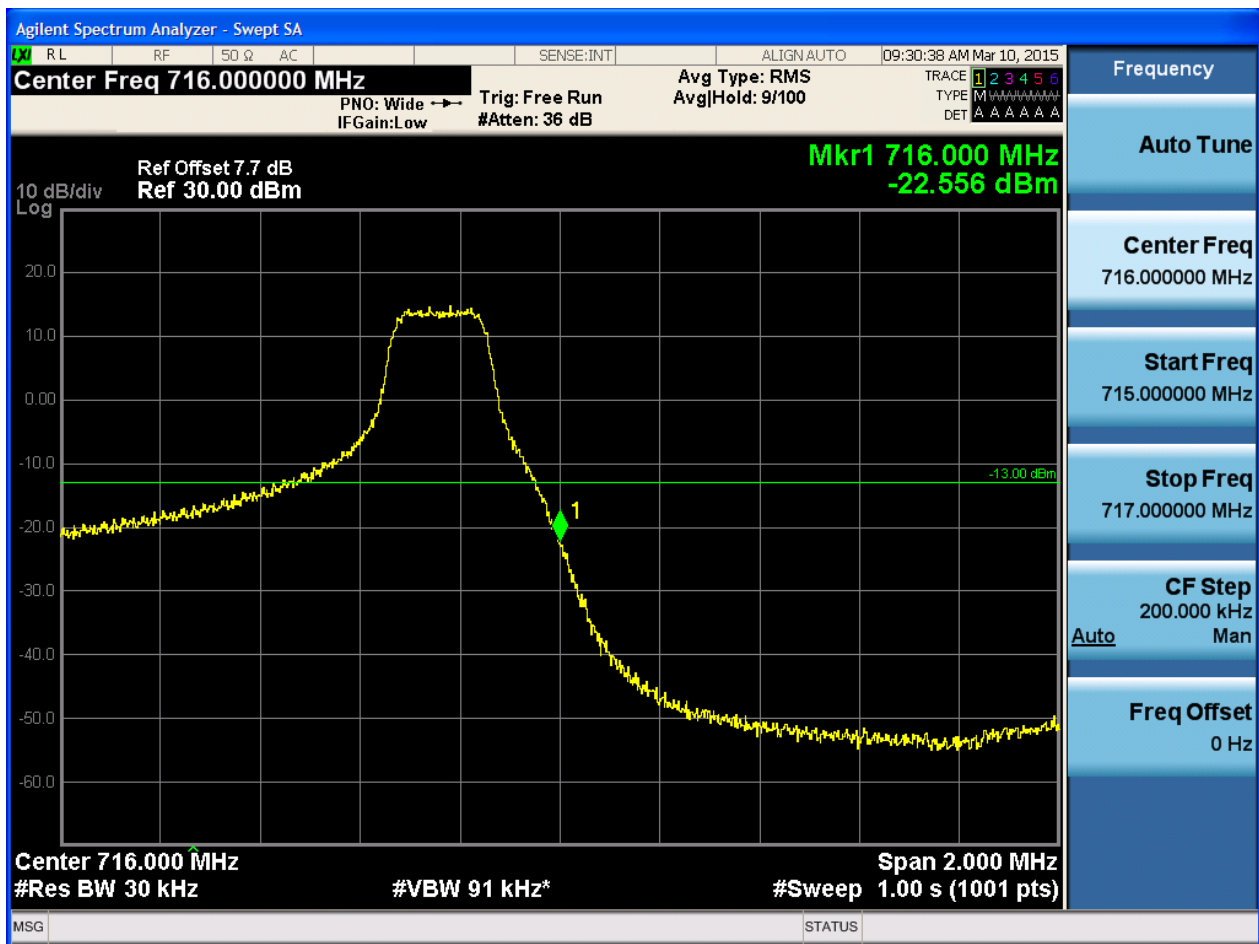
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





5.1.1.2.2.3 Test RB = RB8#4





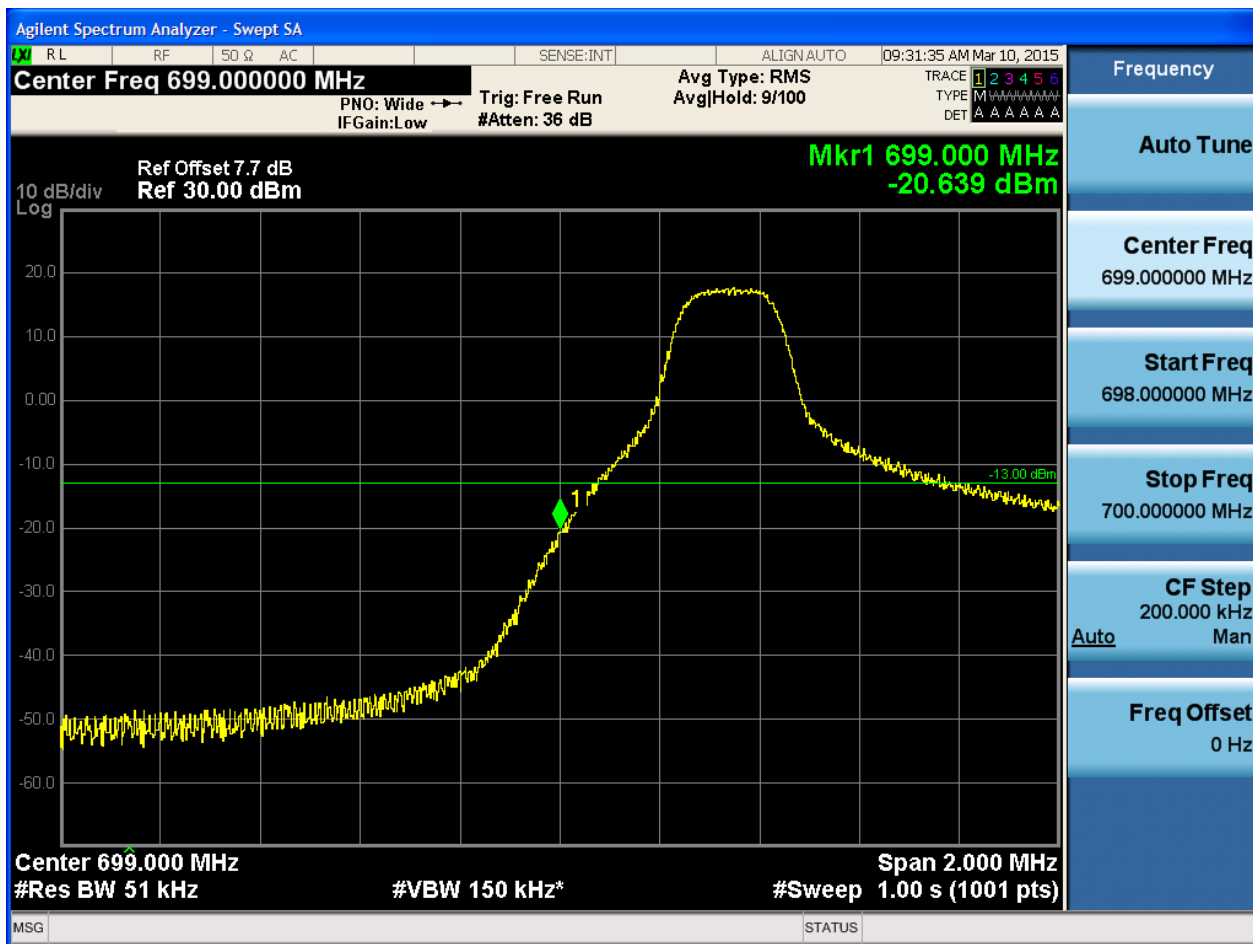
5.1.1.2.2.4 Test RB = RB15#0



5.1.1.2.3 Test Bandwidth = 5

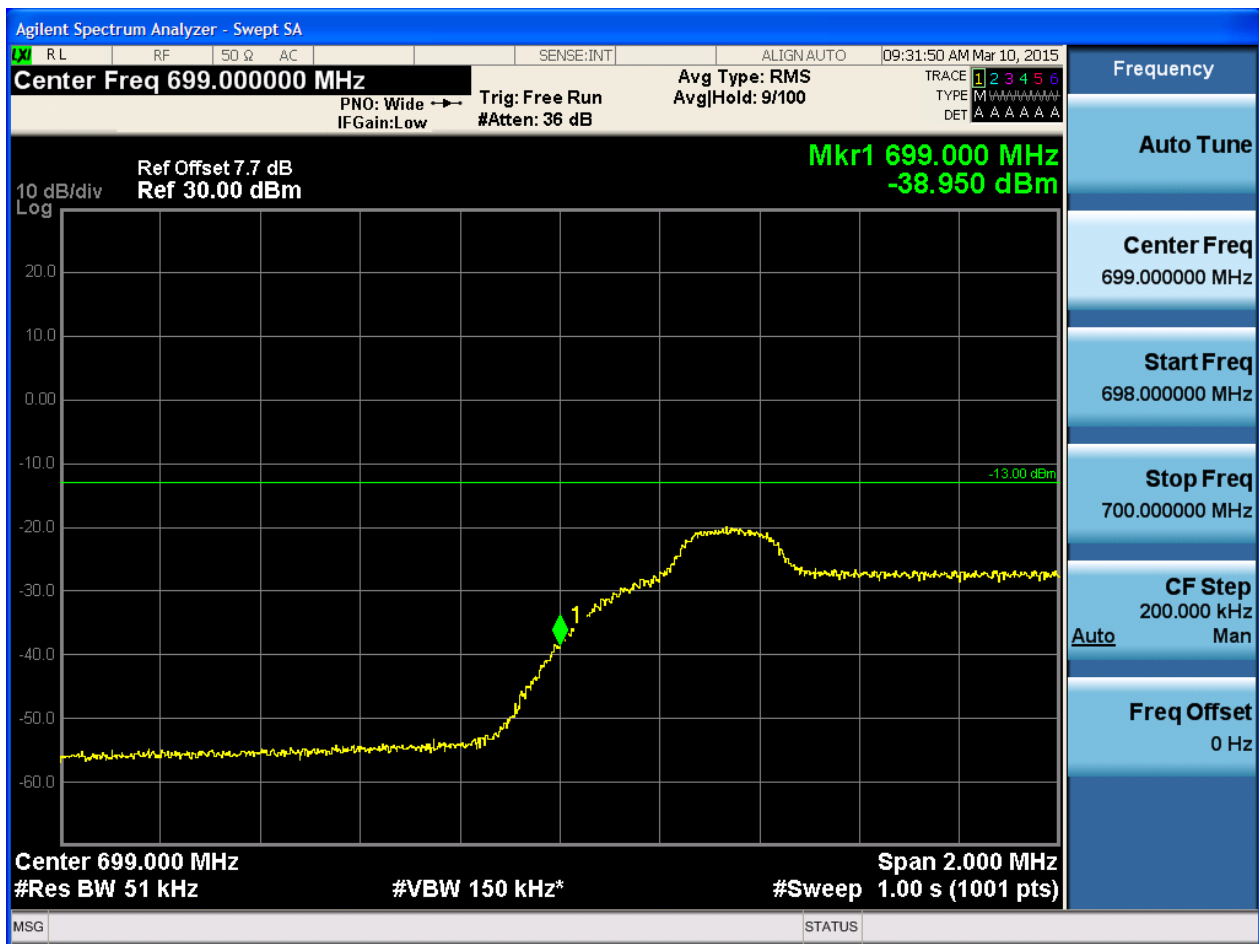
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#24



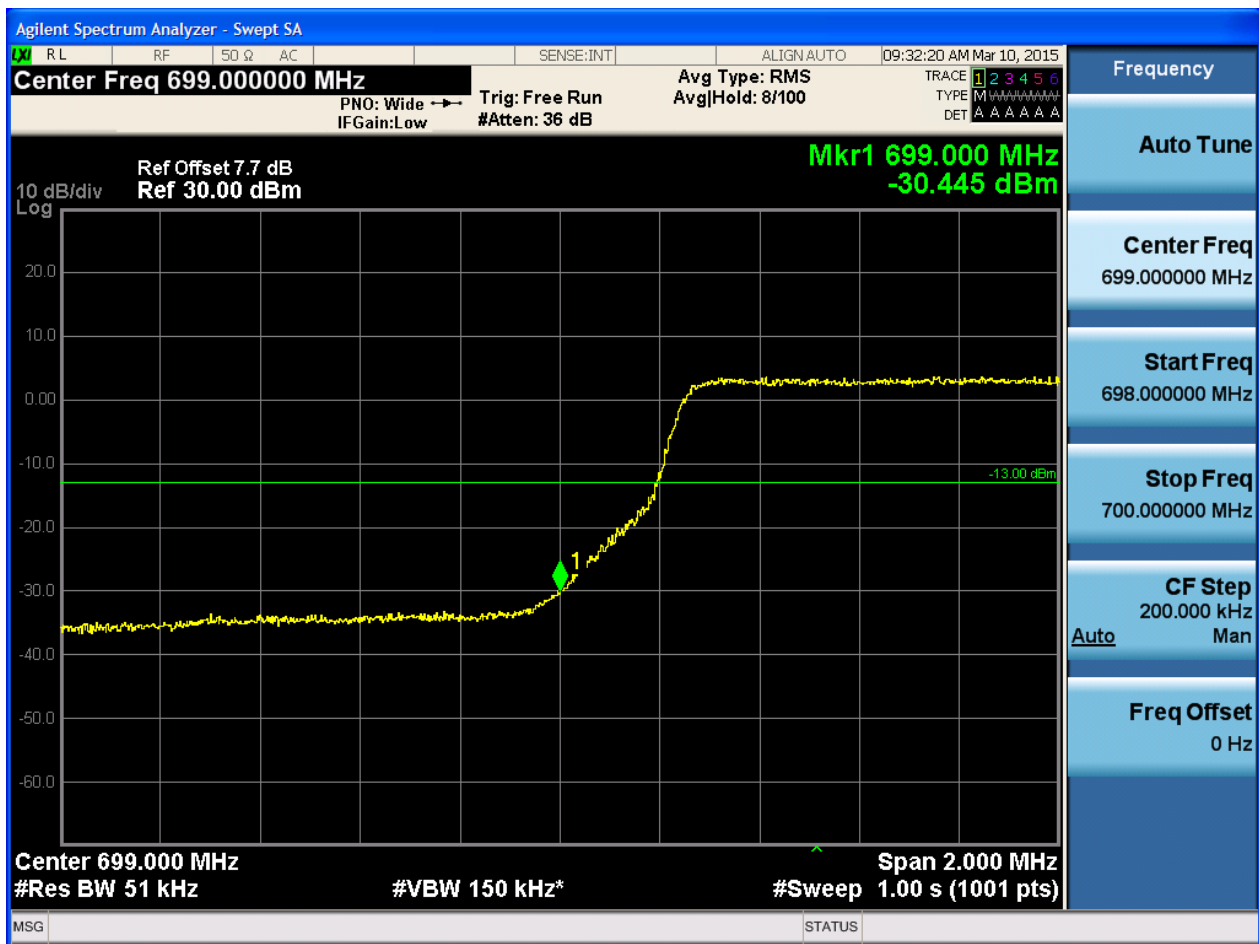


5.1.1.2.3.1.3 Test RB = RB12#6





5.1.1.2.3.1.4 Test RB = RB25#0



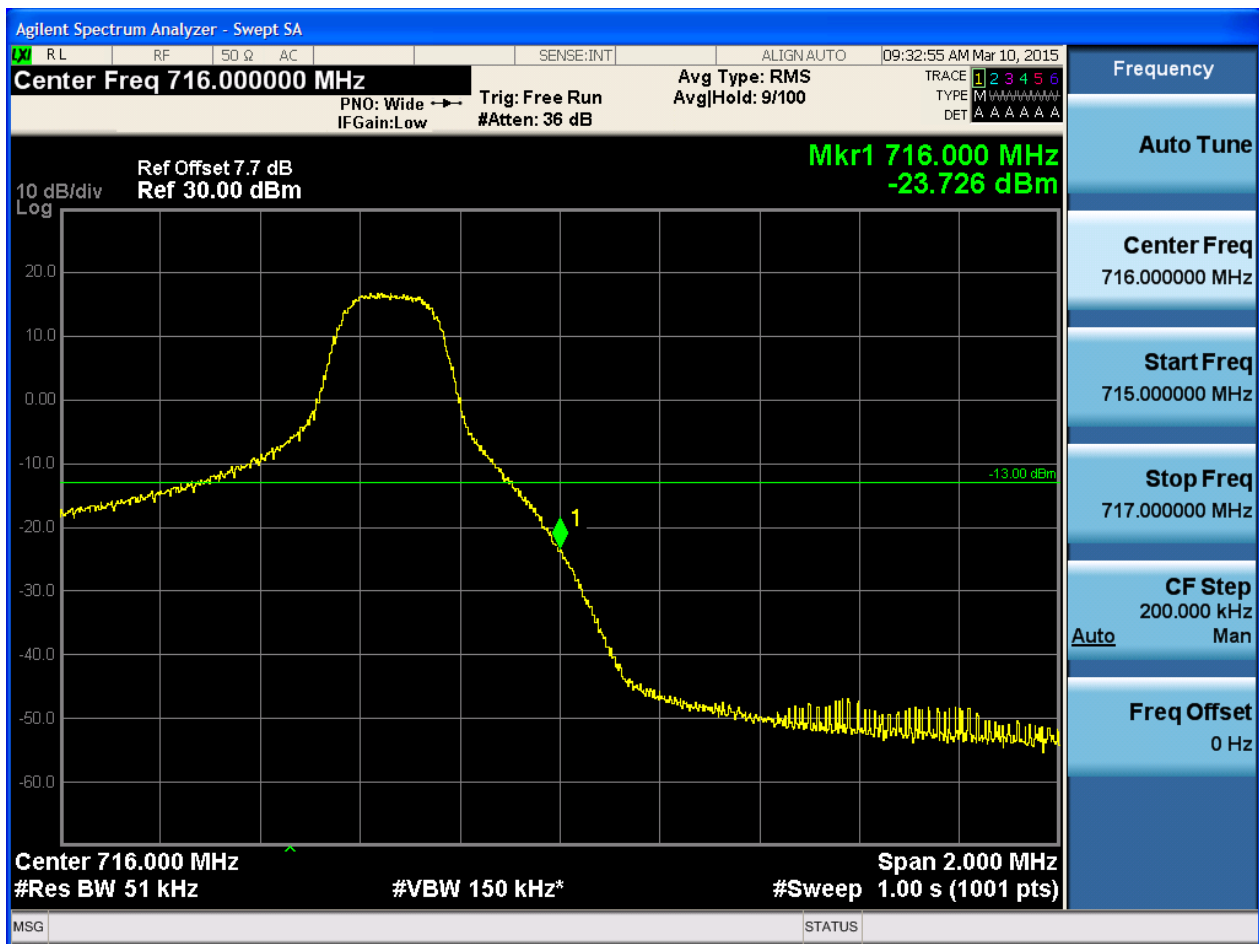
5.1.1.2.3.2 Test Channel = HCH

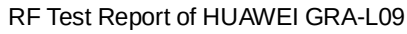
5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.020 MHz
-34.345 dBm

Center 716.000 MHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

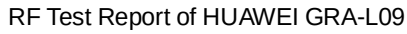
Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.000 MHz
-30.425 dBm

Center 716.000 MHz
#Res BW 51 kHz

#VBW 150 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

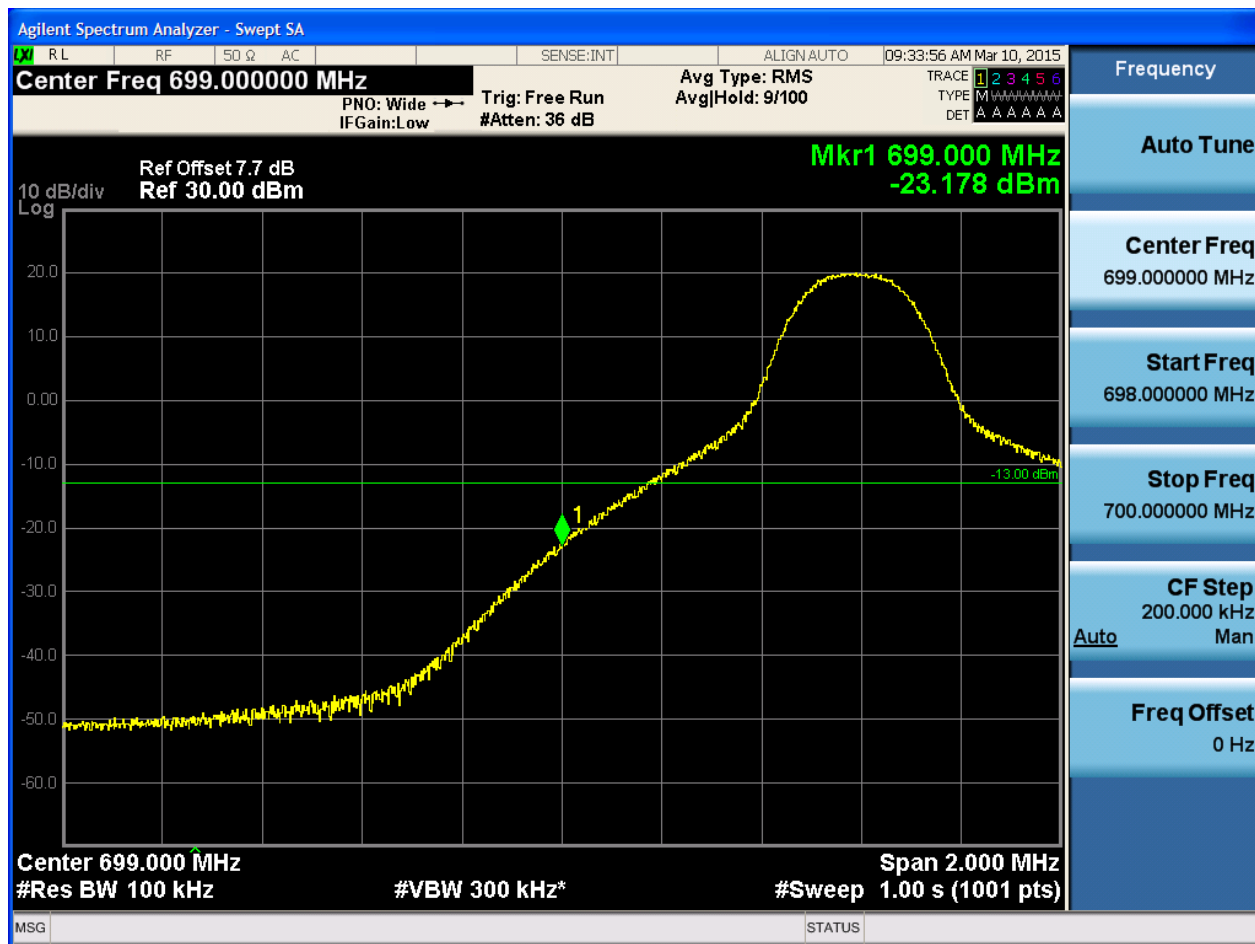
CF Step
200.000 kHz
Man

Freq Offset
0 Hz

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

