



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	22.53	14.38	34.7	PASS
				RB1#3	22.63	14.48	34.7	PASS
				RB1#5	22.62	14.47	34.7	PASS
				RB3#0	22.56	14.41	34.7	PASS
				RB3#2	22.55	14.4	34.7	PASS
				RB3#3	22.65	14.5	34.7	PASS
				RB6#0	21.67	13.52	34.7	PASS
			MCH	RB1#0	22.42	14.27	34.7	PASS
				RB1#3	22.51	14.36	34.7	PASS
				RB1#5	22.36	14.21	34.7	PASS
				RB3#0	22.43	14.28	34.7	PASS
				RB3#2	22.47	14.32	34.7	PASS
				RB3#3	22.42	14.27	34.7	PASS
				RB6#0	21.64	13.49	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.73	14.58	34.7	PASS
				RB1#3	22.62	14.47	34.7	PASS
				RB1#5	22.28	14.13	34.7	PASS
				RB3#0	22.67	14.52	34.7	PASS
				RB3#2	22.53	14.38	34.7	PASS
				RB3#3	22.39	14.24	34.7	PASS
				RB6#0	21.66	13.51	34.7	PASS
		3	LCH	RB1#0	22.54	14.39	34.7	PASS
				RB1#7	23	14.85	34.7	PASS
				RB1#14	22.81	14.66	34.7	PASS
				RB8#0	21.77	13.62	34.7	PASS
				RB8#4	22.03	13.88	34.7	PASS
				RB8#7	21.95	13.8	34.7	PASS
				RB15#0	21.77	13.62	34.7	PASS
			MCH	RB1#0	22.47	14.32	34.7	PASS
				RB1#7	22.64	14.49	34.7	PASS
				RB1#14	22.49	14.34	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.66	13.51	34.7	PASS
				RB8#4	21.68	13.53	34.7	PASS
				RB8#7	21.62	13.47	34.7	PASS
				RB15#0	21.65	13.5	34.7	PASS
			HCH	RB1#0	22.99	14.84	34.7	PASS
				RB1#7	22.93	14.78	34.7	PASS
				RB1#14	22.22	14.07	34.7	PASS
				RB8#0	22.12	13.97	34.7	PASS
				RB8#4	21.99	13.84	34.7	PASS
				RB8#7	21.57	13.42	34.7	PASS
				RB15#0	21.89	13.74	34.7	PASS
		5	LCH	RB1#0	22.47	14.32	34.7	PASS
				RB1#13	23.01	14.86	34.7	PASS
				RB1#24	23.32	15.17	34.7	PASS
				RB12#0	21.84	13.69	34.7	PASS
				RB12#6	22.19	14.04	34.7	PASS
				RB12#13	21.92	13.77	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.94	13.79	34.7	PASS
			MCH	RB1#0	22.47	14.32	34.7	PASS
				RB1#13	22.55	14.4	34.7	PASS
				RB1#24	23.33	15.18	34.7	PASS
				RB12#0	21.53	13.38	34.7	PASS
				RB12#6	21.57	13.42	34.7	PASS
				RB12#13	21.55	13.4	34.7	PASS
				RB25#0	21.71	13.56	34.7	PASS
			HCH	RB1#0	22.73	14.58	34.7	PASS
				RB1#13	23.14	14.99	34.7	PASS
				RB1#24	22.92	14.77	34.7	PASS
				RB12#0	22.21	14.06	34.7	PASS
				RB12#6	22.31	14.16	34.7	PASS
				RB12#13	21.72	13.57	34.7	PASS
				RB25#0	21.94	13.79	34.7	PASS
		10	LCH	RB1#0	22.87	14.72	34.7	PASS
				RB1#25	23.24	15.09	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.45	14.3	34.7	PASS
				RB25#0	22.31	14.16	34.7	PASS
				RB25#13	22.18	14.03	34.7	PASS
				RB25#25	22	13.85	34.7	PASS
				RB50#0	22.15	14	34.7	PASS
			MCH	RB1#0	23.12	14.97	34.7	PASS
				RB1#25	23.08	14.93	34.7	PASS
				RB1#49	22.88	14.73	34.7	PASS
				RB25#0	22.12	13.97	34.7	PASS
				RB25#13	22.15	14	34.7	PASS
				RB25#25	22.06	13.91	34.7	PASS
				RB50#0	22.1	13.95	34.7	PASS
			HCH	RB1#0	22.7	14.55	34.7	PASS
				RB1#25	23.42	15.27	34.7	PASS
				RB1#49	22.4	14.25	34.7	PASS
				RB25#0	22.11	13.96	34.7	PASS
				RB25#13	22.47	14.32	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.11	13.96	34.7	PASS
				RB50#0	22.22	14.07	34.7	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.85	13.7	34.7	PASS
				RB1#3	21.92	13.77	34.7	PASS
				RB1#5	21.87	13.72	34.7	PASS
				RB3#0	21.78	13.63	34.7	PASS
				RB3#2	21.78	13.63	34.7	PASS
				RB3#3	21.66	13.51	34.7	PASS
				RB6#0	20.94	12.79	34.7	PASS
			MCH	RB1#0	21.67	13.52	34.7	PASS
				RB1#3	21.77	13.62	34.7	PASS
				RB1#5	21.68	13.53	34.7	PASS
				RB3#0	21.6	13.45	34.7	PASS
				RB3#2	21.72	13.57	34.7	PASS
				RB3#3	21.59	13.44	34.7	PASS
				RB6#0	20.78	12.63	34.7	PASS
			HCH	RB1#0	21.98	13.83	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#3	21.83	13.68	34.7	PASS
				RB1#5	21.64	13.49	34.7	PASS
				RB3#0	21.8	13.65	34.7	PASS
				RB3#2	21.73	13.58	34.7	PASS
				RB3#3	21.5	13.35	34.7	PASS
				RB6#0	20.8	12.65	34.7	PASS
		3	LCH	RB1#0	21.68	13.53	34.7	PASS
				RB1#7	22.09	13.94	34.7	PASS
				RB1#14	22.11	13.96	34.7	PASS
				RB8#0	20.93	12.78	34.7	PASS
				RB8#4	21.15	13	34.7	PASS
				RB8#7	20.95	12.8	34.7	PASS
				RB15#0	20.72	12.57	34.7	PASS
			MCH	RB1#0	21.52	13.37	34.7	PASS
				RB1#7	21.96	13.81	34.7	PASS
				RB1#14	21.76	13.61	34.7	PASS
				RB8#0	20.68	12.53	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#4	20.67	12.52	34.7	PASS
				RB8#7	20.61	12.46	34.7	PASS
				RB15#0	20.7	12.55	34.7	PASS
			HCH	RB1#0	22.18	14.03	34.7	PASS
				RB1#7	22.04	13.89	34.7	PASS
				RB1#14	21.38	13.23	34.7	PASS
				RB8#0	21.11	12.96	34.7	PASS
				RB8#4	20.99	12.84	34.7	PASS
				RB8#7	20.58	12.43	34.7	PASS
				RB15#0	20.85	12.7	34.7	PASS
		5	LCH	RB1#0	21.48	13.33	34.7	PASS
				RB1#13	22.16	14.01	34.7	PASS
				RB1#24	22.34	14.19	34.7	PASS
				RB12#0	20.87	12.72	34.7	PASS
				RB12#6	21.15	13	34.7	PASS
				RB12#13	20.86	12.71	34.7	PASS
				RB25#0	20.89	12.74	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.59	13.44	34.7	PASS
				RB1#13	21.77	13.62	34.7	PASS
				RB1#24	22.45	14.3	34.7	PASS
				RB12#0	20.58	12.43	34.7	PASS
				RB12#6	20.61	12.46	34.7	PASS
				RB12#13	20.54	12.39	34.7	PASS
				RB25#0	20.73	12.58	34.7	PASS
			HCH	RB1#0	21.69	13.54	34.7	PASS
				RB1#13	22.18	14.03	34.7	PASS
				RB1#24	21.98	13.83	34.7	PASS
				RB12#0	21.23	13.08	34.7	PASS
				RB12#6	21.27	13.12	34.7	PASS
				RB12#13	20.73	12.58	34.7	PASS
				RB25#0	20.91	12.76	34.7	PASS
		10	LCH	RB1#0	21.84	13.69	34.7	PASS
				RB1#25	22.21	14.06	34.7	PASS
				RB1#49	21.49	13.34	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.4	13.25	34.7	PASS
				RB25#13	21.21	13.06	34.7	PASS
				RB25#25	20.98	12.83	34.7	PASS
				RB50#0	21.19	13.04	34.7	PASS
			MCH	RB1#0	22.32	14.17	34.7	PASS
				RB1#25	22.22	14.07	34.7	PASS
				RB1#49	21.93	13.78	34.7	PASS
				RB25#0	21.2	13.05	34.7	PASS
				RB25#13	21.17	13.02	34.7	PASS
				RB25#25	21.01	12.86	34.7	PASS
				RB50#0	21.07	12.92	34.7	PASS
			HCH	RB1#0	21.95	13.8	34.7	PASS
				RB1#25	22.32	14.17	34.7	PASS
				RB1#49	21.64	13.49	34.7	PASS
				RB25#0	21.1	12.95	34.7	PASS
				RB25#13	21.53	13.38	34.7	PASS
				RB25#25	21.1	12.95	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.25	13.1	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:

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

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

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

SET Sweep time=auto-couple.

Detector:RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND12	LTE/TM1	1.4	LCH	RB1#0	4.41	13	PASS
				RB1#3	4.4	13	PASS
				RB1#5	4.59	13	PASS
				RB3#0	4.58	13	PASS
				RB3#2	4.66	13	PASS
				RB3#3	4.81	13	PASS
				RB6#0	5.63	13	PASS
			MCH	RB1#0	4.23	13	PASS
				RB1#3	4.49	13	PASS
				RB1#5	4.51	13	PASS
				RB3#0	5.06	13	PASS
				RB3#2	4.95	13	PASS
				RB3#3	4.67	13	PASS
				RB6#0	5.6	13	PASS
			HCH	RB1#0	4.67	13	PASS
				RB1#3	4.69	13	PASS
				RB1#5	5.06	13	PASS
				RB3#0	5.11	13	PASS
				RB3#2	5.27	13	PASS
				RB3#3	5.3	13	PASS
				RB6#0	5.88	13	PASS
		3	LCH	RB1#0	4.34	13	PASS
				RB1#7	4.25	13	PASS
				RB1#14	4.45	13	PASS
				RB8#0	5.26	13	PASS
				RB8#4	5.22	13	PASS
				RB8#7	5.46	13	PASS
				RB15#0	5.61	13	PASS
			MCH	RB1#0	4.45	13	PASS
				RB1#7	4.19	13	PASS
				RB1#14	4.29	13	PASS
				RB8#0	5.54	13	PASS
				RB8#4	5.43	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	5.46	13	PASS
				RB15#0	5.73	13	PASS
			HCH	RB1#0	4.13	13	PASS
				RB1#7	4.24	13	PASS
				RB1#14	4.75	13	PASS
				RB8#0	5.31	13	PASS
				RB8#4	5.35	13	PASS
				RB8#7	5.5	13	PASS
				RB15#0	5.47	13	PASS
		5	LCH	RB1#0	4.62	13	PASS
				RB1#13	4.52	13	PASS
				RB1#24	4.38	13	PASS
				RB12#0	5.39	13	PASS
				RB12#6	5.29	13	PASS
				RB12#13	5.48	13	PASS
				RB25#0	5.56	13	PASS
			MCH	RB1#0	4.67	13	PASS
				RB1#13	4.44	13	PASS
				RB1#24	4.2	13	PASS
				RB12#0	5.54	13	PASS
				RB12#6	5.41	13	PASS
				RB12#13	5.58	13	PASS
				RB25#0	5.85	13	PASS
			HCH	RB1#0	4.4	13	PASS
				RB1#13	4.08	13	PASS
				RB1#24	4.33	13	PASS
				RB12#0	5.24	13	PASS
				RB12#6	5.03	13	PASS
				RB12#13	5.5	13	PASS
				RB25#0	5.49	13	PASS
		10	LCH	RB1#0	4.28	13	PASS
				RB1#25	4.5	13	PASS
				RB1#49	4.58	13	PASS
				RB25#0	5.28	13	PASS
				RB25#13	5.46	13	PASS
				RB25#25	5.58	13	PASS
				RB50#0	5.57	13	PASS
			MCH	RB1#0	4.5	13	PASS
				RB1#25	4.31	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.39	13	PASS
				RB25#0	5.68	13	PASS
				RB25#13	5.33	13	PASS
				RB25#25	5.62	13	PASS
				RB50#0	6.11	13	PASS
			HCH	RB1#0	4.44	13	PASS
				RB1#25	3.89	13	PASS
				RB1#49	4.56	13	PASS
				RB25#0	5.64	13	PASS
				RB25#13	5.23	13	PASS
				RB25#25	5.42	13	PASS
				RB50#0	6.04	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.99	13	PASS
				RB1#3	4.99	13	PASS
				RB1#5	5.08	13	PASS
				RB3#0	5.48	13	PASS
				RB3#2	5.38	13	PASS
				RB3#3	5.66	13	PASS
				RB6#0	6.08	13	PASS
			MCH	RB1#0	5.32	13	PASS
				RB1#3	5.55	13	PASS
				RB1#5	5.33	13	PASS
				RB3#0	5.85	13	PASS
				RB3#2	5.74	13	PASS
				RB3#3	5.58	13	PASS
				RB6#0	6.39	13	PASS
			HCH	RB1#0	5.43	13	PASS
				RB1#3	5.59	13	PASS
				RB1#5	5.74	13	PASS
				RB3#0	5.7	13	PASS
				RB3#2	5.69	13	PASS
				RB3#3	5.96	13	PASS
				RB6#0	6.01	13	PASS
		3	LCH	RB1#0	5.11	13	PASS
				RB1#7	4.81	13	PASS
				RB1#14	5.53	13	PASS
				RB8#0	6.07	13	PASS
				RB8#4	5.99	13	PASS
				RB8#7	6.25	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB15#0	6.4	13	PASS
			MCH	RB1#0	5.34	13	PASS
				RB1#7	5.66	13	PASS
				RB1#14	5.32	13	PASS
				RB8#0	6.44	13	PASS
				RB8#4	6.31	13	PASS
				RB8#7	6.35	13	PASS
				RB15#0	6.37	13	PASS
			HCH	RB1#0	4.92	13	PASS
				RB1#7	5.44	13	PASS
				RB1#14	5.87	13	PASS
				RB8#0	5.84	13	PASS
				RB8#4	5.76	13	PASS
				RB8#7	6.08	13	PASS
				RB15#0	6.15	13	PASS
		5	LCH	RB1#0	5.47	13	PASS
				RB1#13	5.19	13	PASS
				RB1#24	5.11	13	PASS
				RB12#0	6.06	13	PASS
				RB12#6	6.06	13	PASS
				RB12#13	5.89	13	PASS
				RB25#0	6.33	13	PASS
			MCH	RB1#0	5.61	13	PASS
				RB1#13	5.43	13	PASS
				RB1#24	4.98	13	PASS
				RB12#0	6.06	13	PASS
				RB12#6	6.03	13	PASS
				RB12#13	6.12	13	PASS
				RB25#0	6.41	13	PASS
			HCH	RB1#0	5	13	PASS
				RB1#13	4.71	13	PASS
				RB1#24	5.16	13	PASS
				RB12#0	6	13	PASS
				RB12#6	5.88	13	PASS
				RB12#13	5.95	13	PASS
				RB25#0	6.36	13	PASS
		10	LCH	RB1#0	4.78	13	PASS
				RB1#25	5.42	13	PASS
				RB1#49	4.91	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.04	13	PASS
				RB25#13	6.28	13	PASS
				RB25#25	6.23	13	PASS
				RB50#0	6.39	13	PASS
			MCH	RB1#0	4.94	13	PASS
				RB1#25	5.15	13	PASS
				RB1#49	4.98	13	PASS
				RB25#0	6.46	13	PASS
				RB25#13	6.13	13	PASS
				RB25#25	6.27	13	PASS
				RB50#0	6.72	13	PASS
			HCH	RB1#0	5.27	13	PASS
				RB1#25	4.74	13	PASS
				RB1#49	5.12	13	PASS
				RB25#0	6.22	13	PASS
				RB25#13	5.97	13	PASS
				RB25#25	6.25	13	PASS
				RB50#0	6.71	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

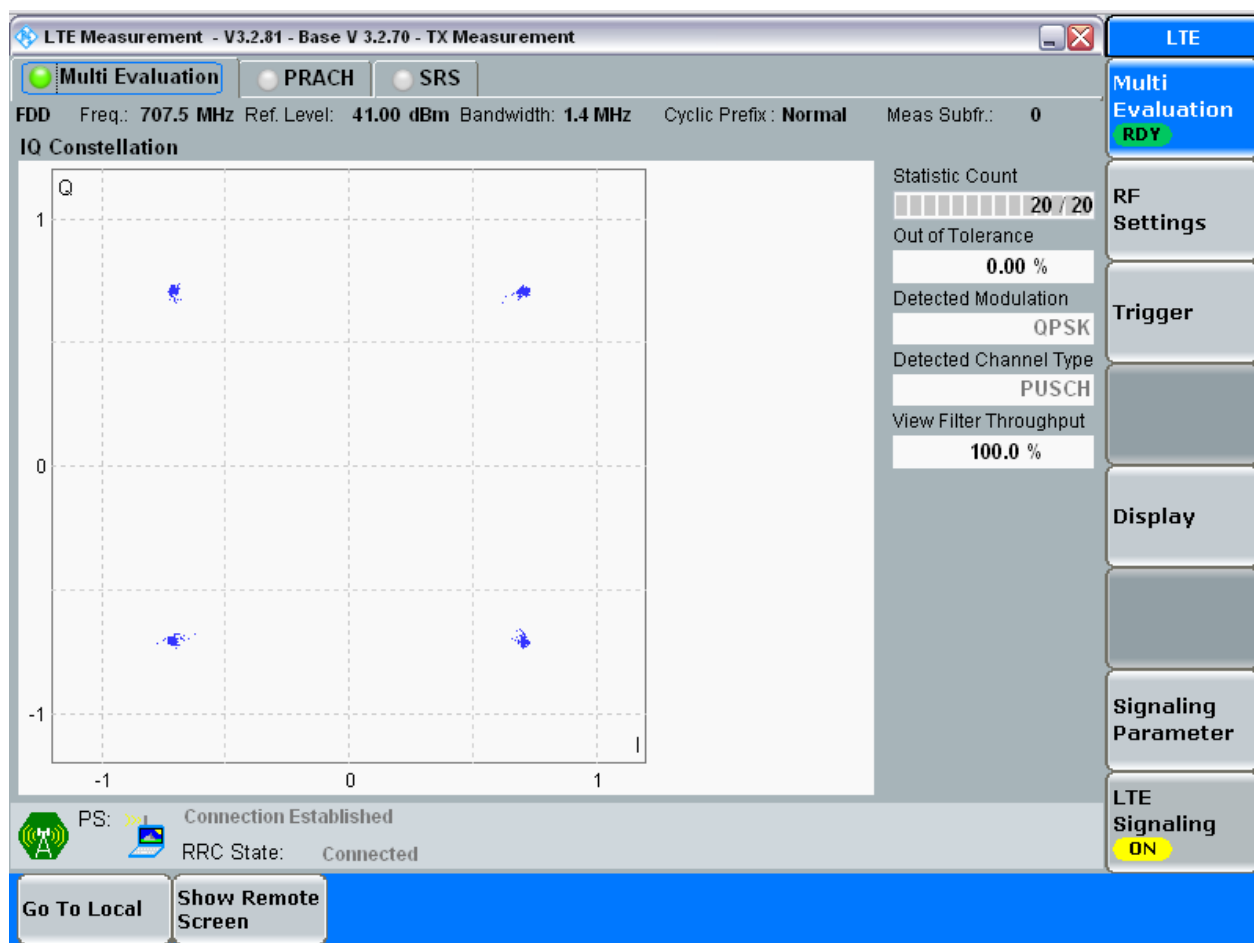
3.1.1 Test Band = BAND12

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

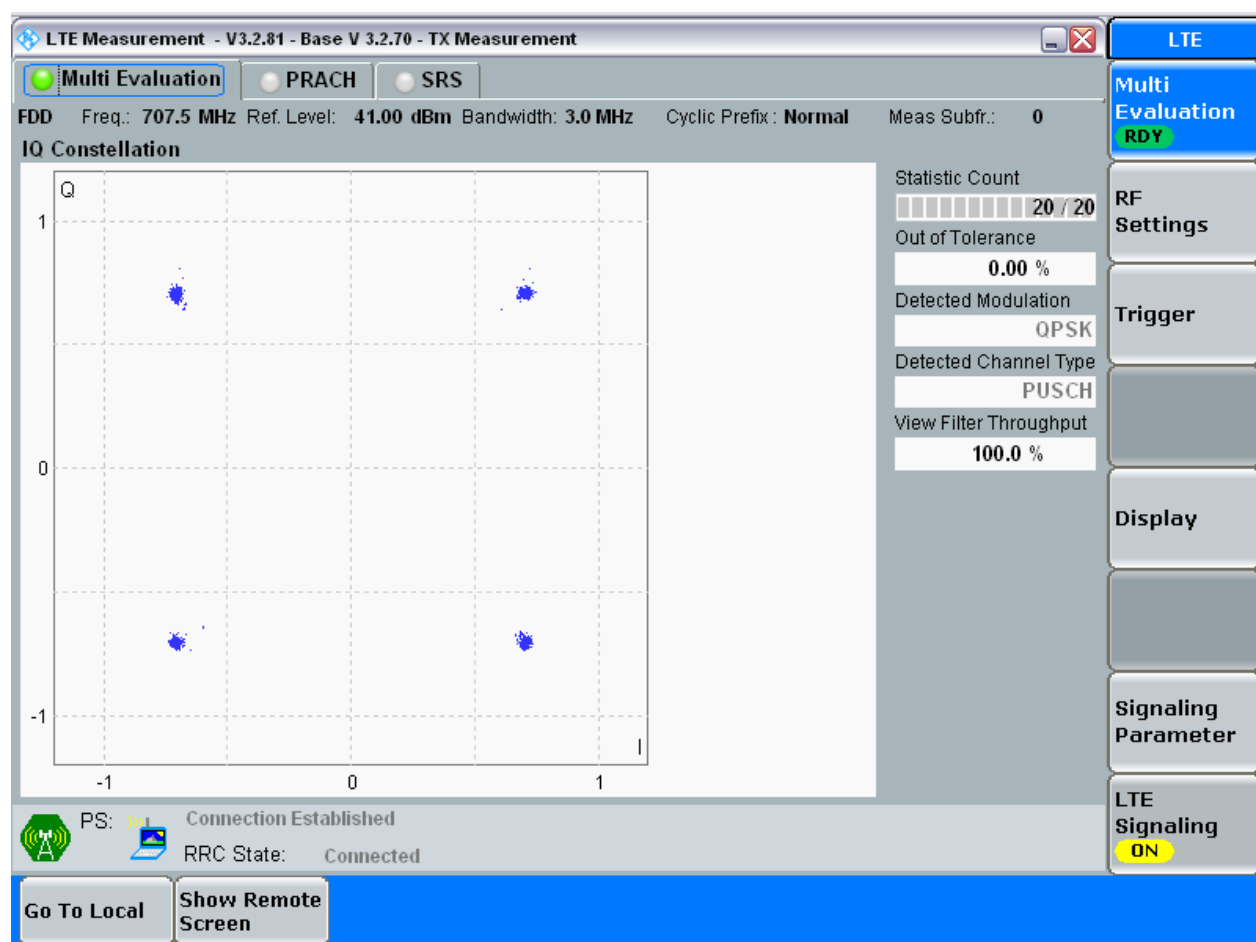
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

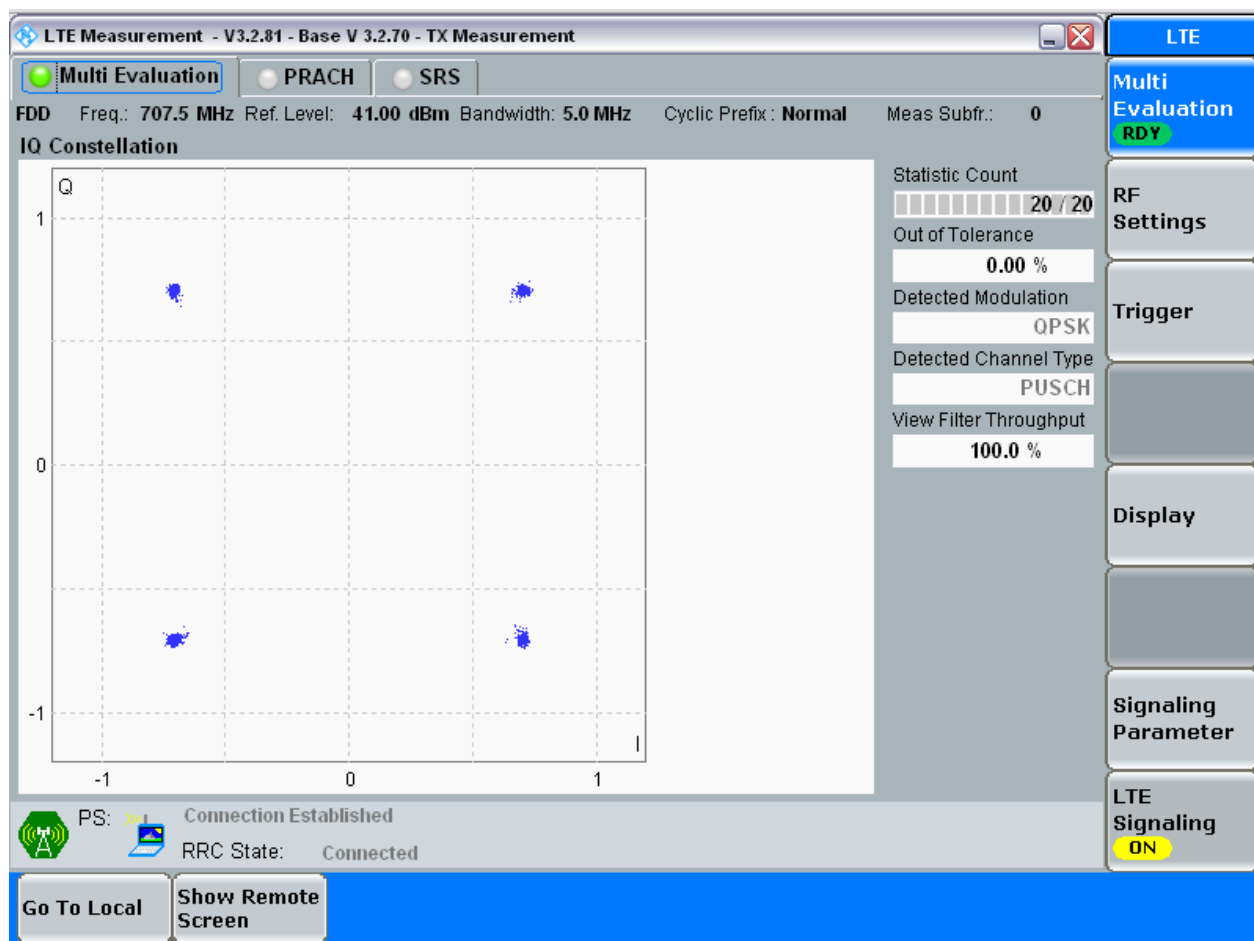
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

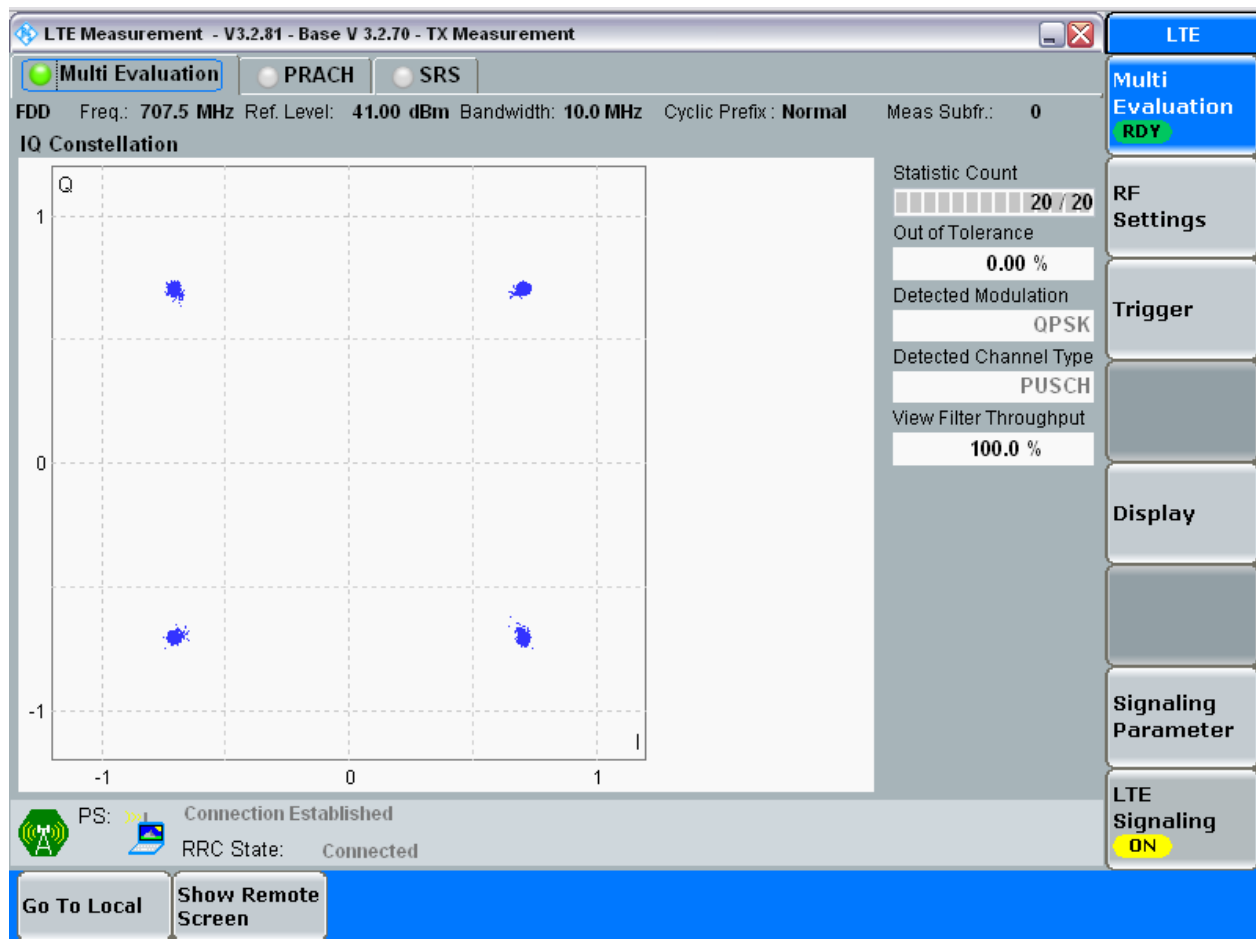
3.1.1.1.3.1.1 Test RB = RB25#0



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

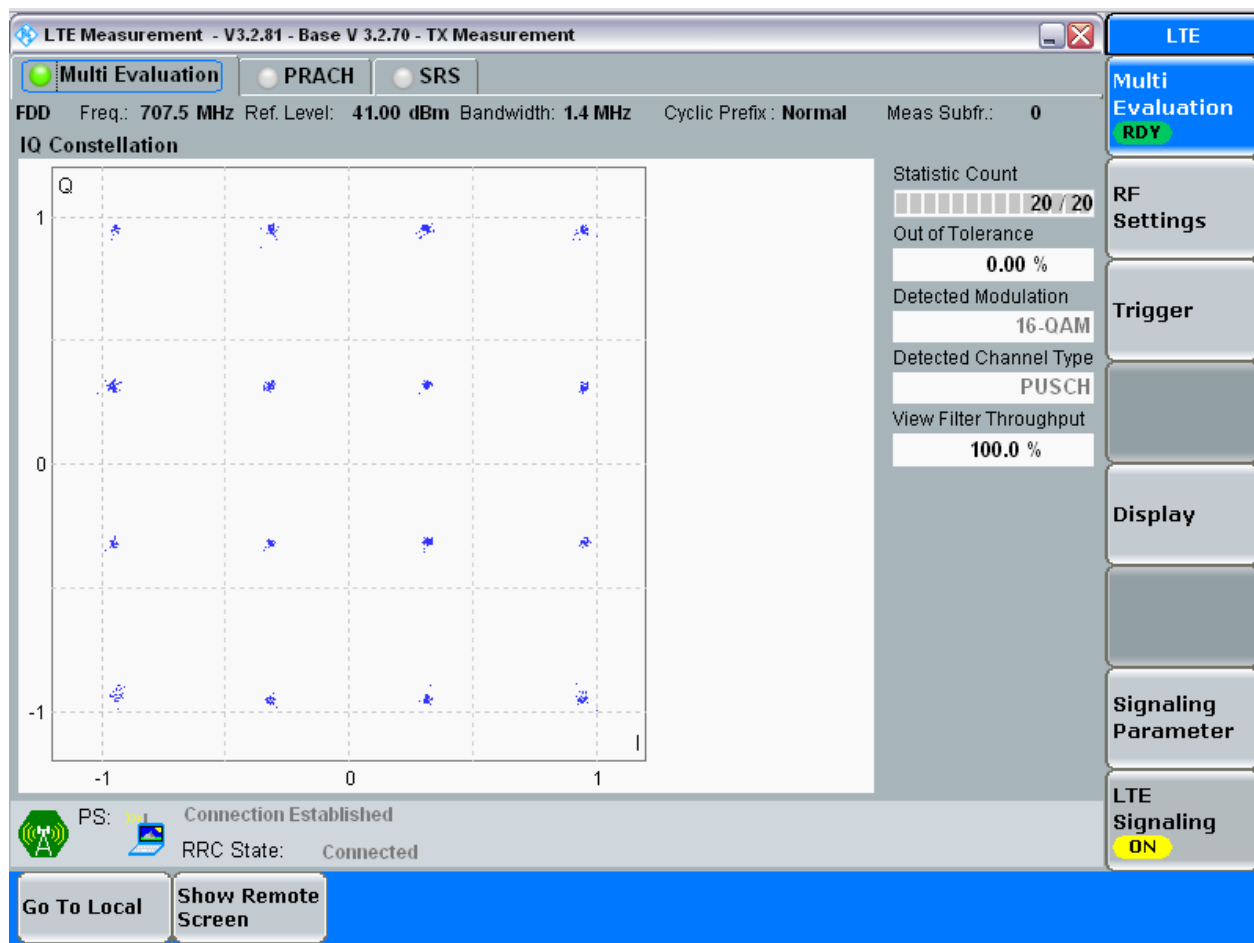


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

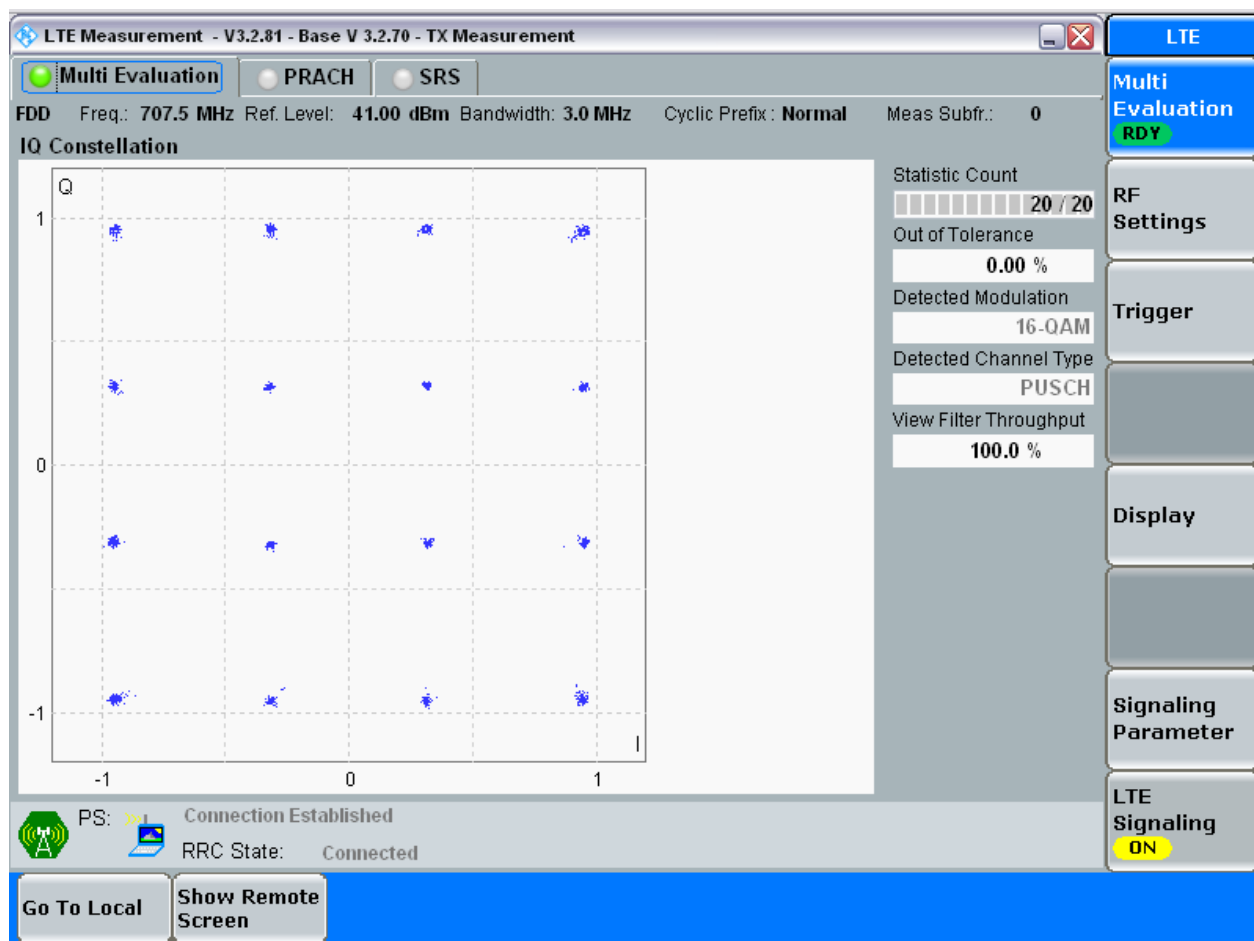
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

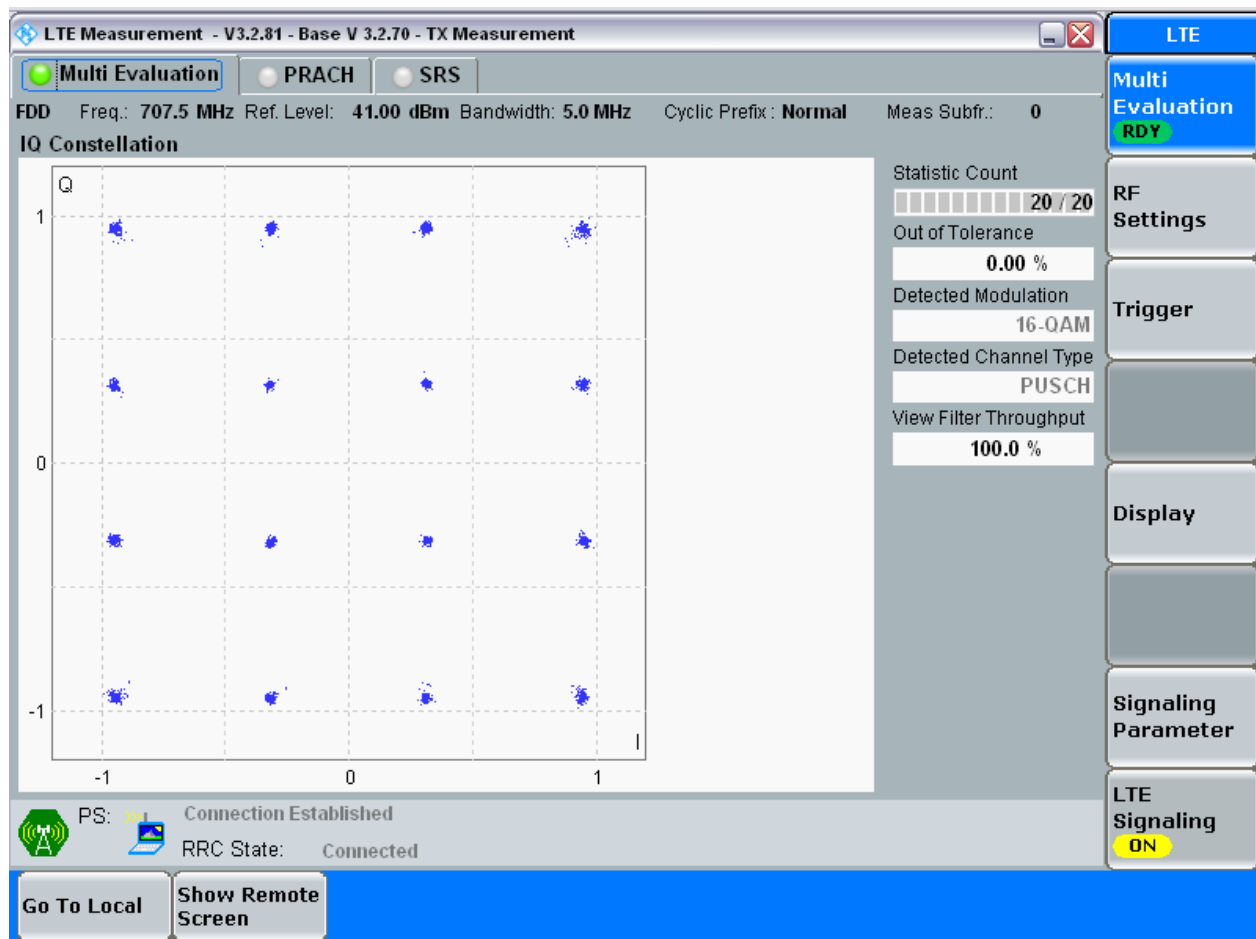
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

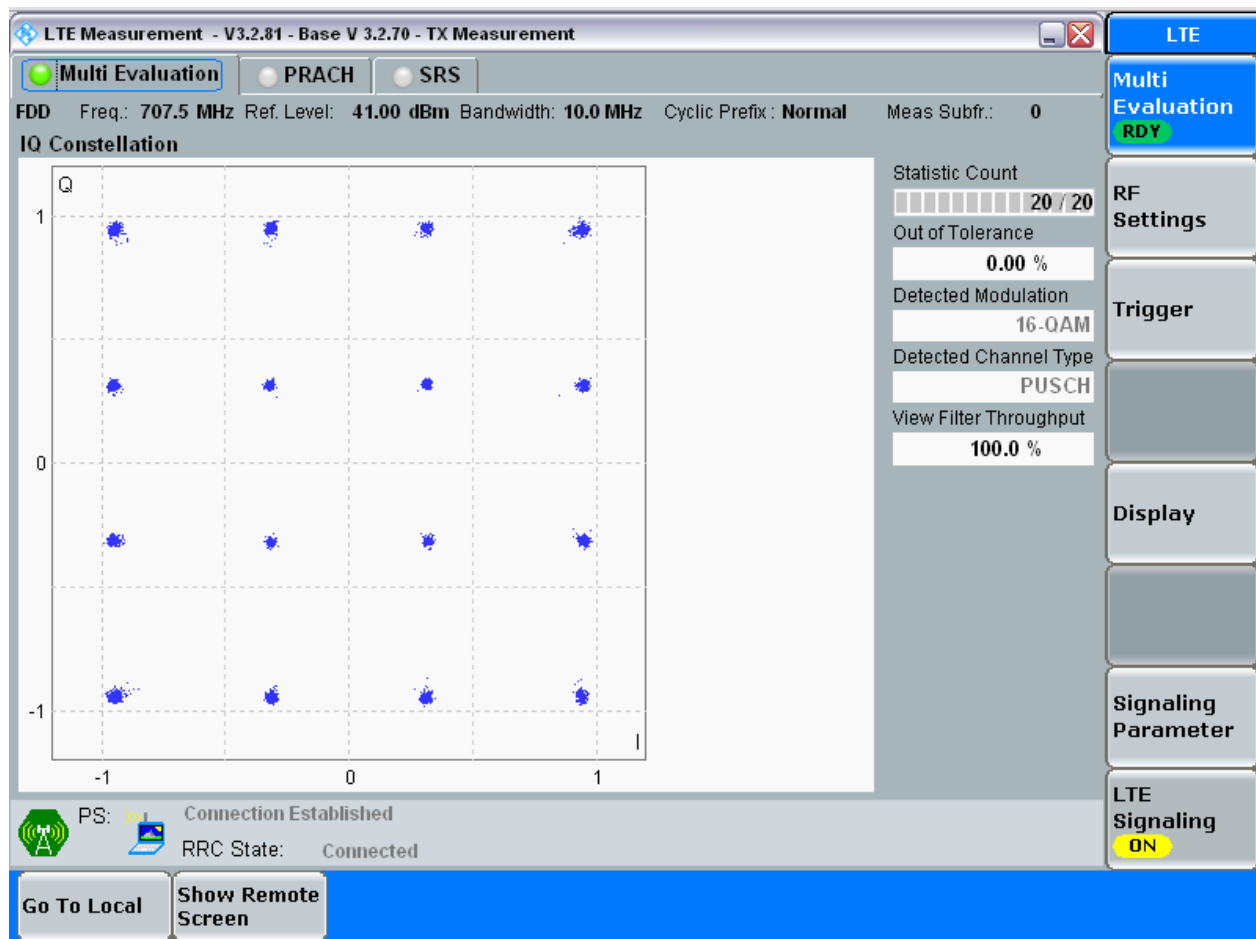
3.1.1.2.3.1.1 Test RB = RB25#0



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	1.24	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.49	4.86	Pass
			MCH	RB25#0	4.51	4.87	Pass
			HCH	RB25#0	4.49	4.83	Pass
		10	LCH	RB50#0	8.95	9.54	Pass
			MCH	RB50#0	9.01	9.66	Pass
			HCH	RB50#0	8.98	9.62	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.22	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.49	4.87	Pass
			MCH	RB25#0	4.51	4.88	Pass
			HCH	RB25#0	4.49	4.86	Pass
		10	LCH	RB50#0	8.94	9.56	Pass
			MCH	RB50#0	9.01	9.66	Pass
			HCH	RB50#0	8.98	9.55	Pass



Part II - Test Plots

4.1 For LTE

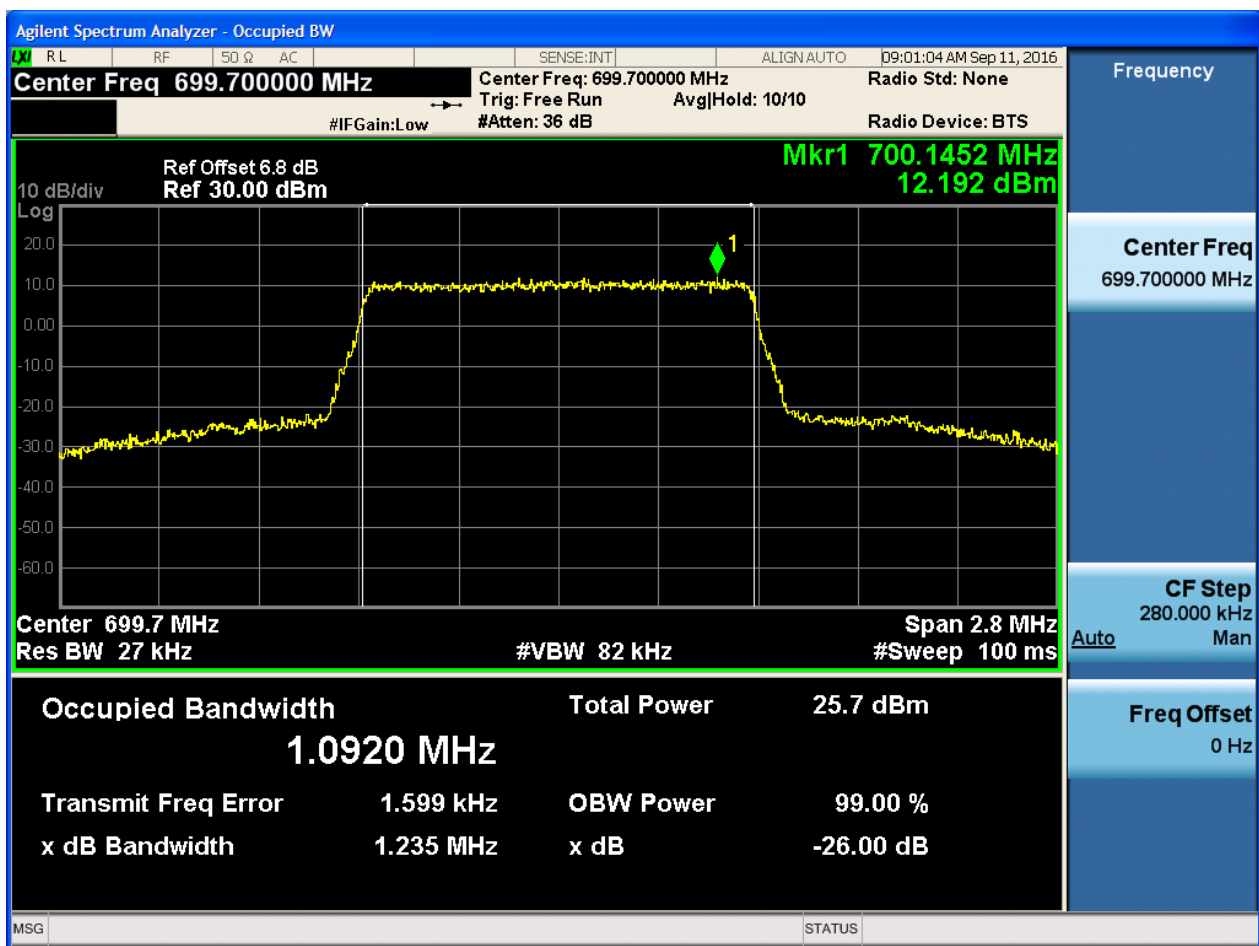
4.1.1 Test Band = BAND12

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

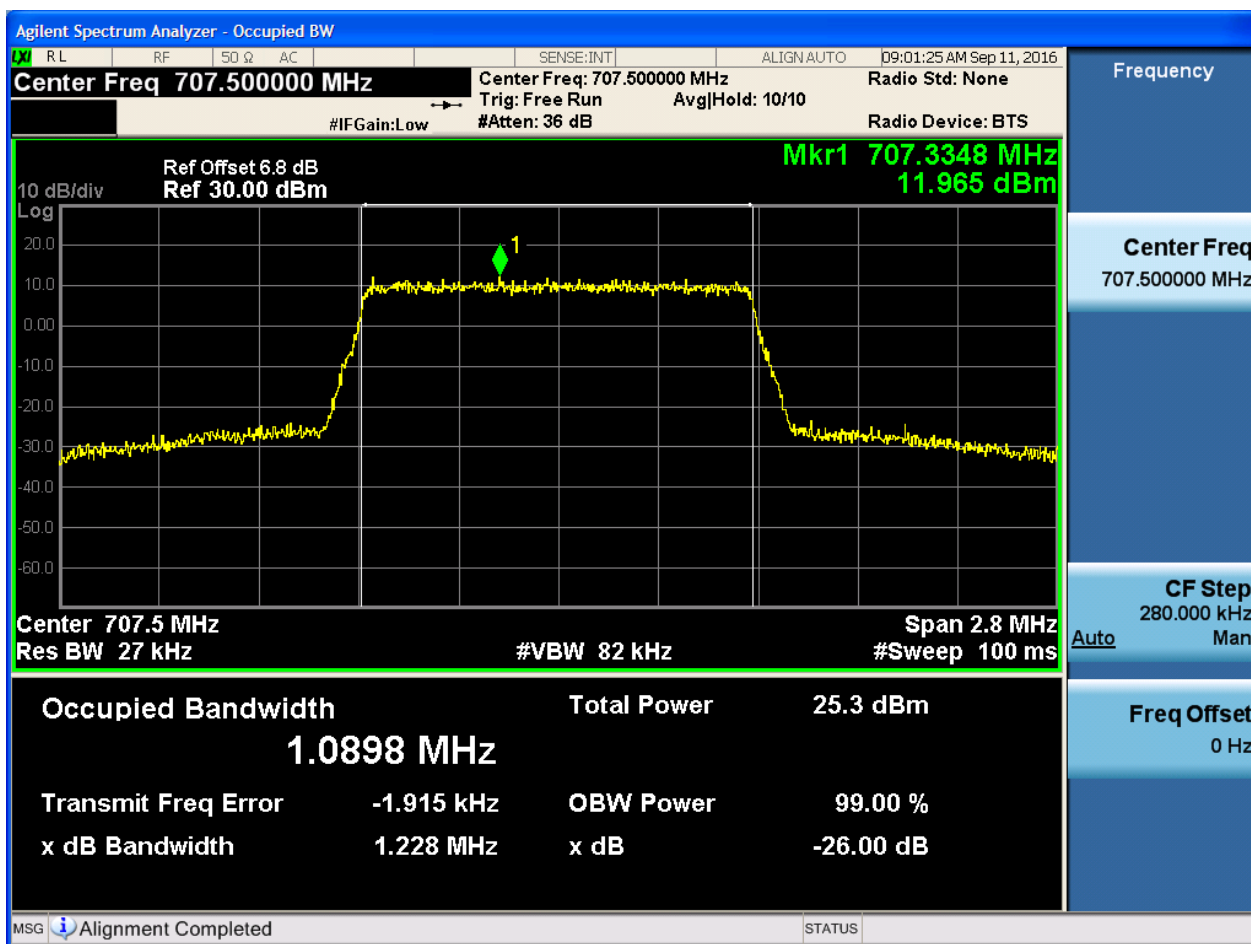
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

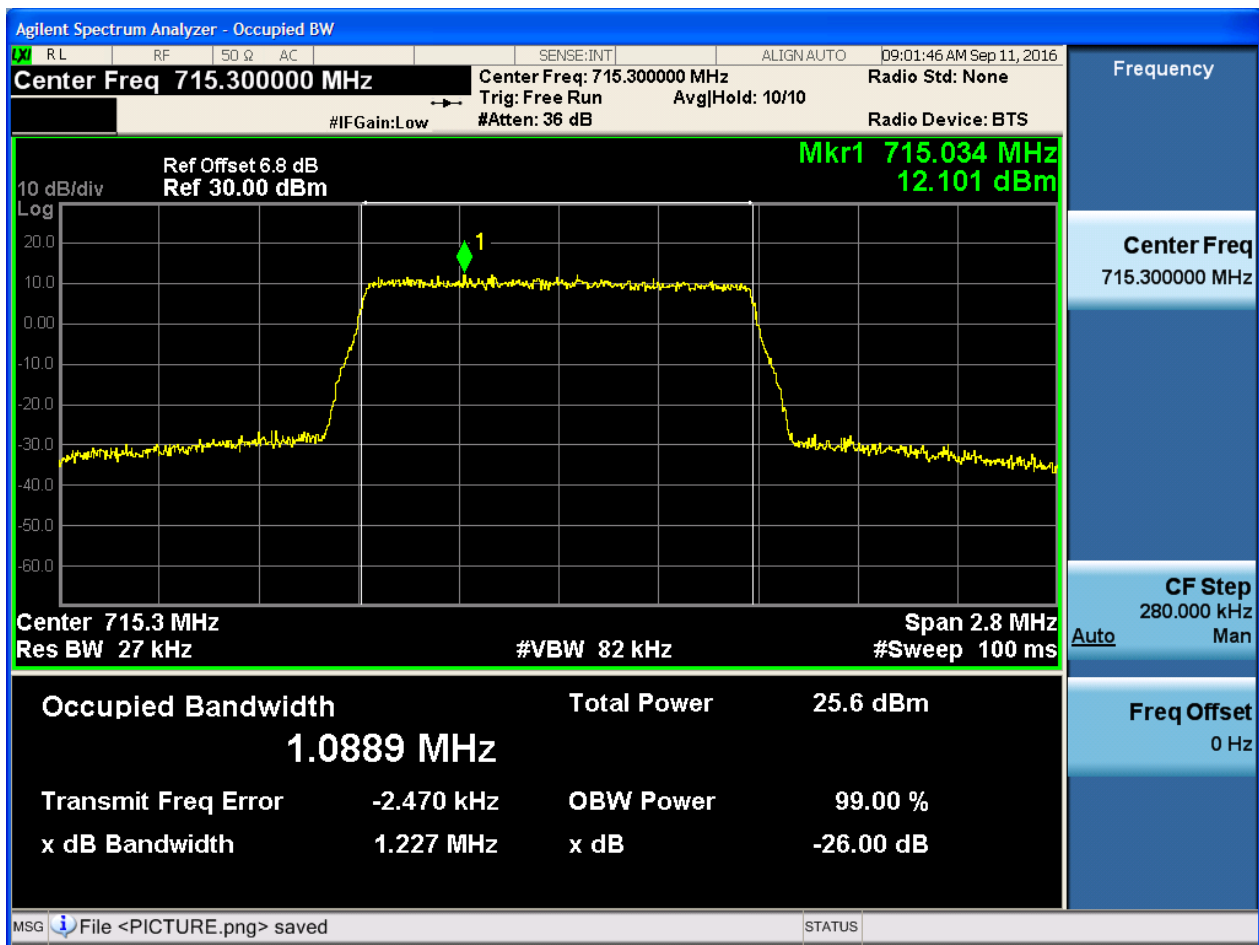
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

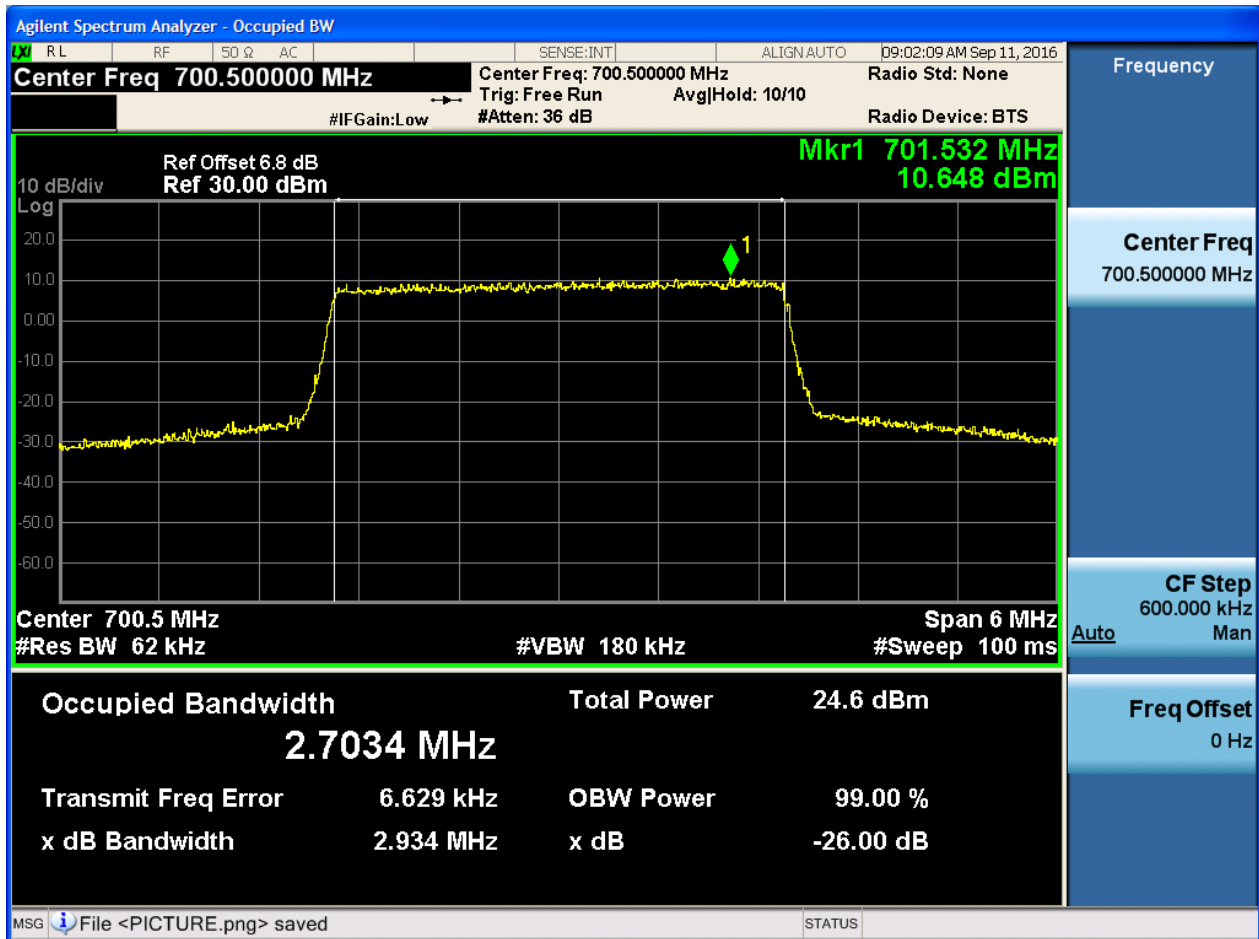




4.1.1.1.2 Test Bandwidth = 3

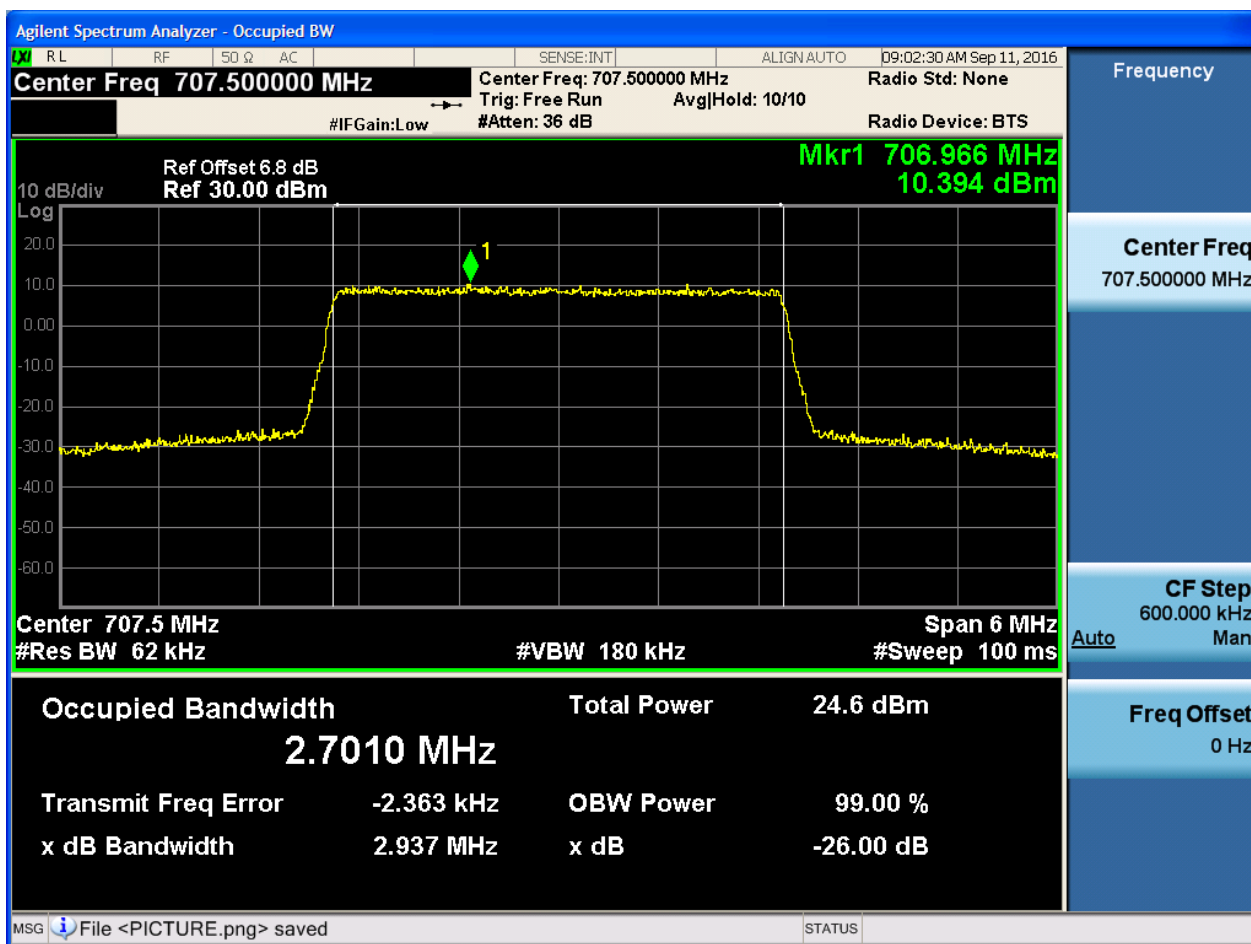
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



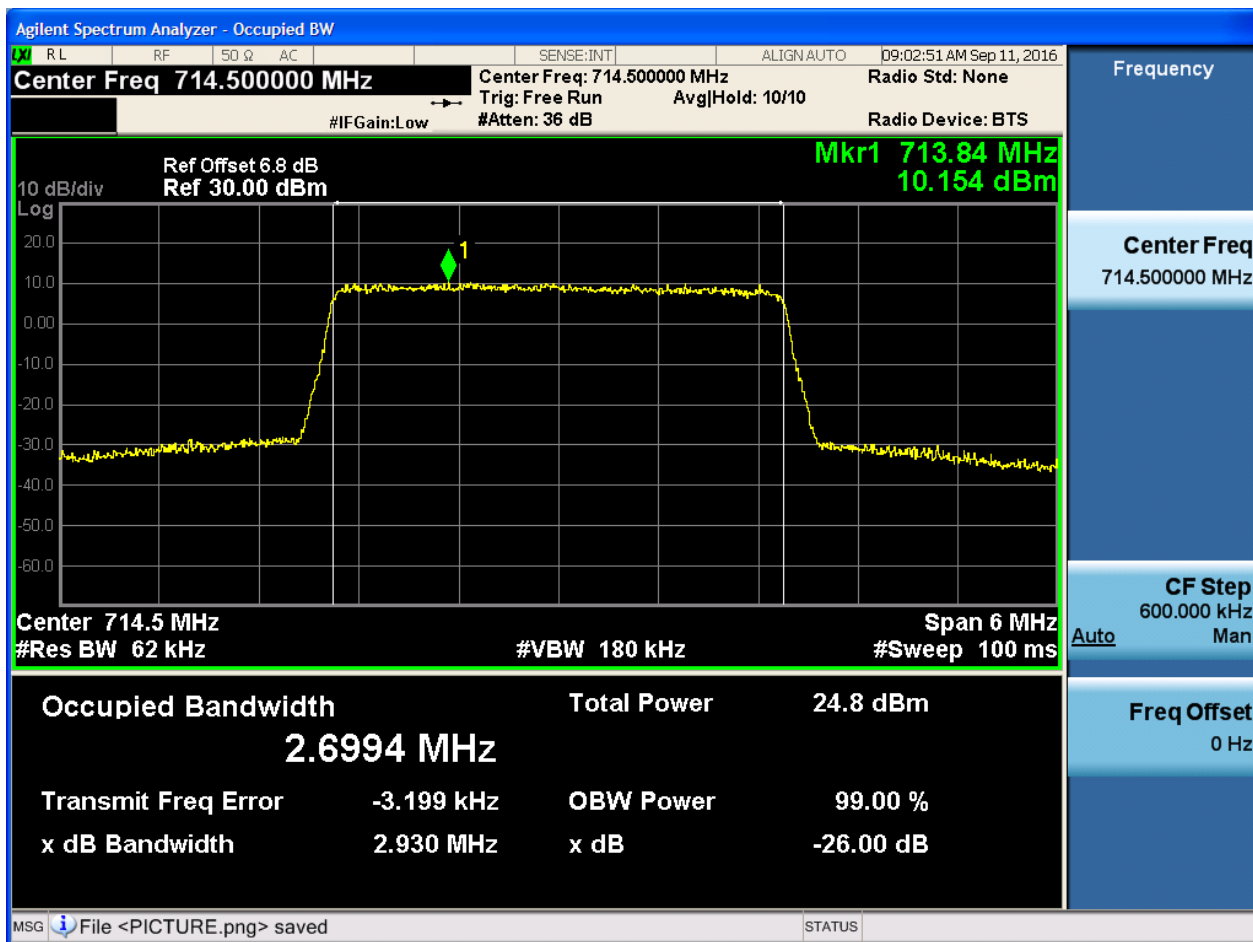
4.1.1.1.2.2 Test Channel = MCH

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

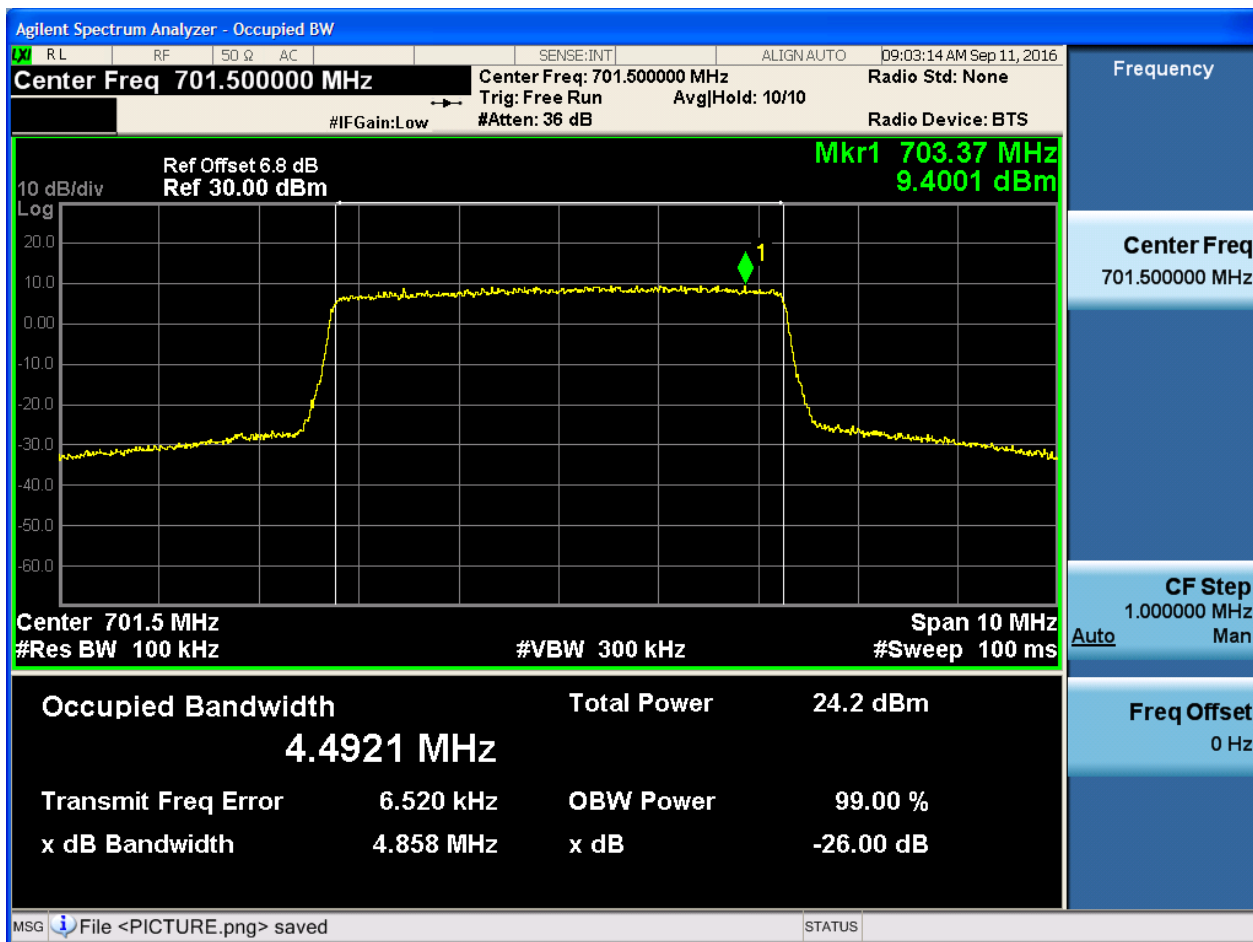




4.1.1.1.3 Test Bandwidth = 5

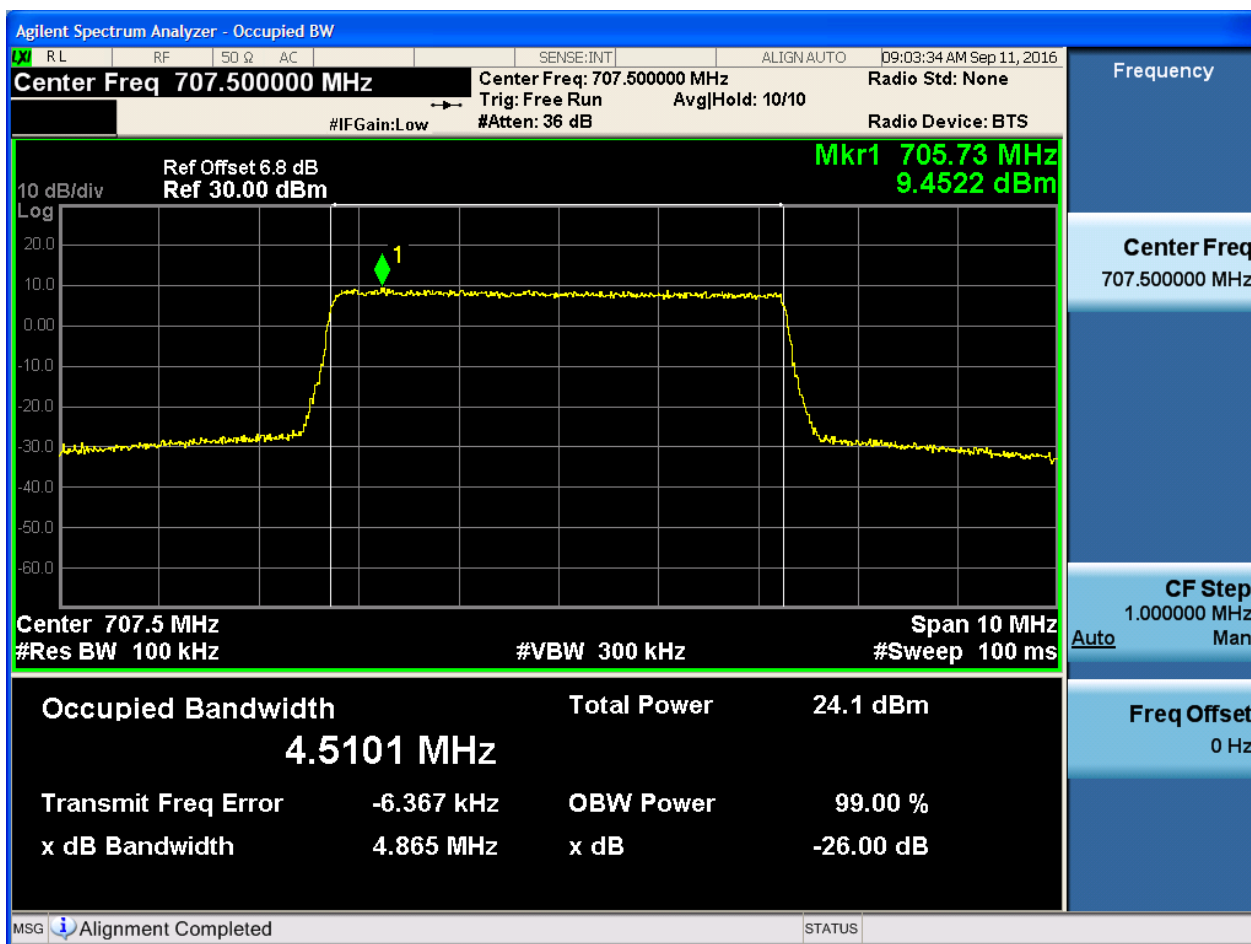
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



4.1.1.1.3.2 Test Channel = MCH

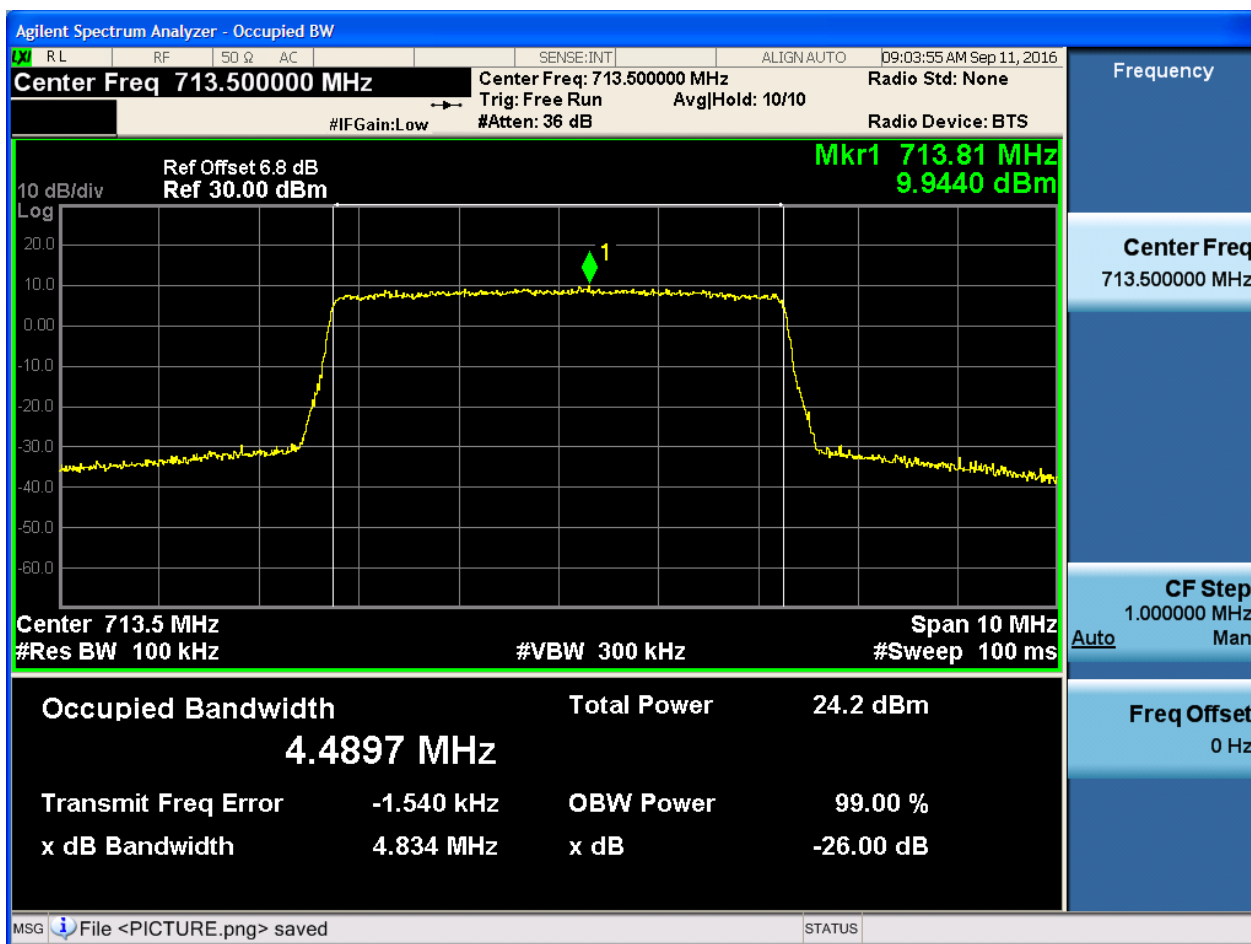
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

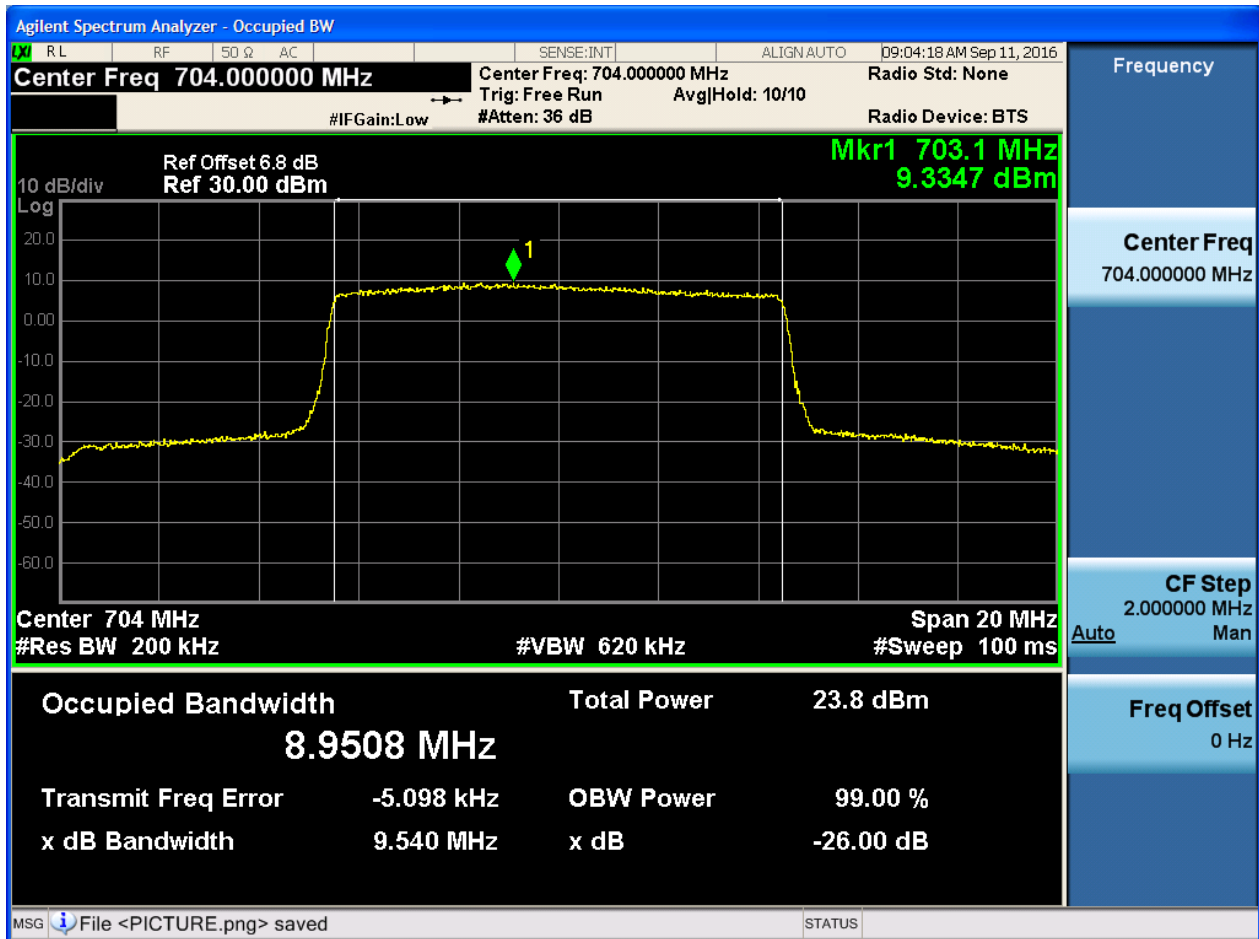




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

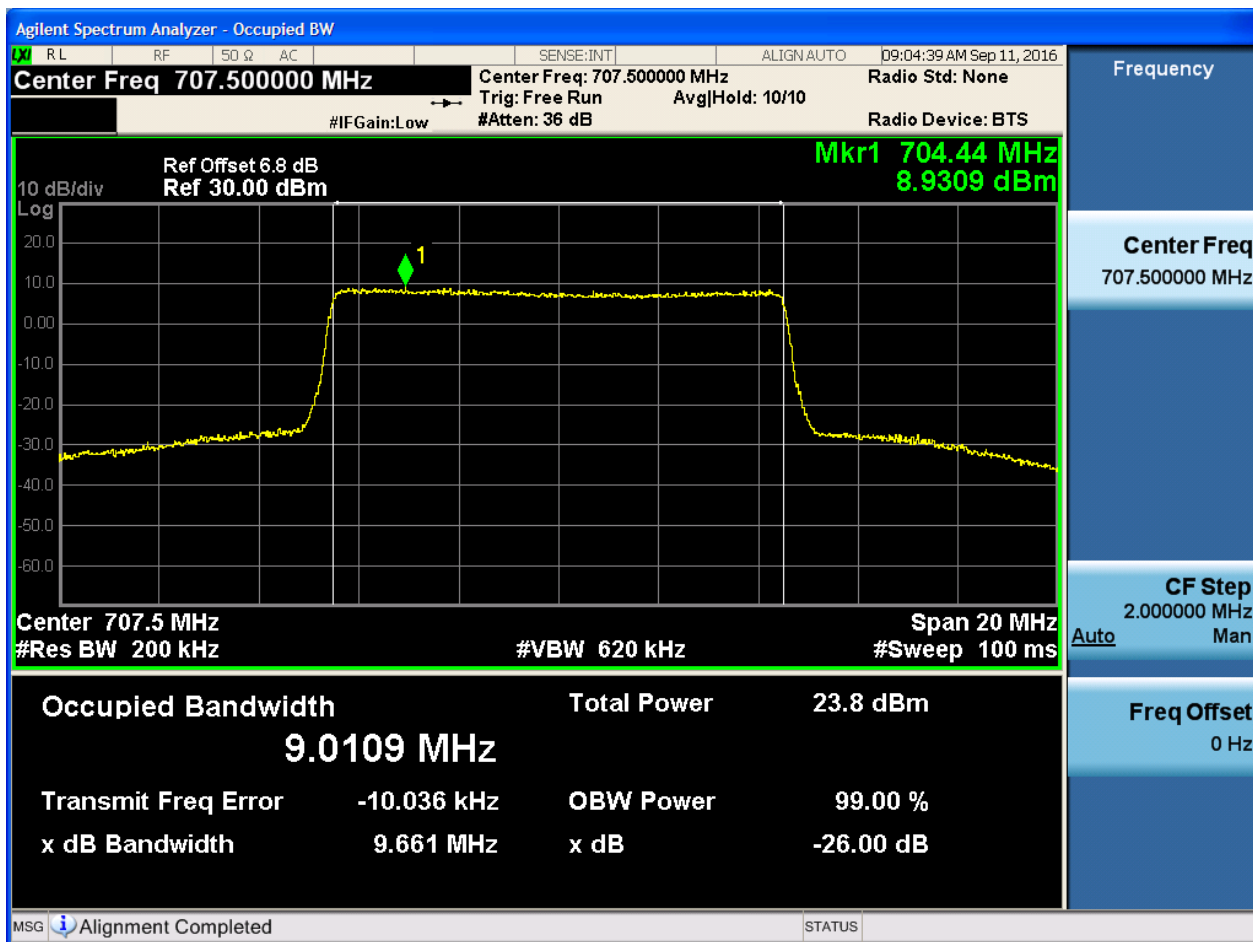
4.1.1.1.4.1.1 Test RB = RB50#0





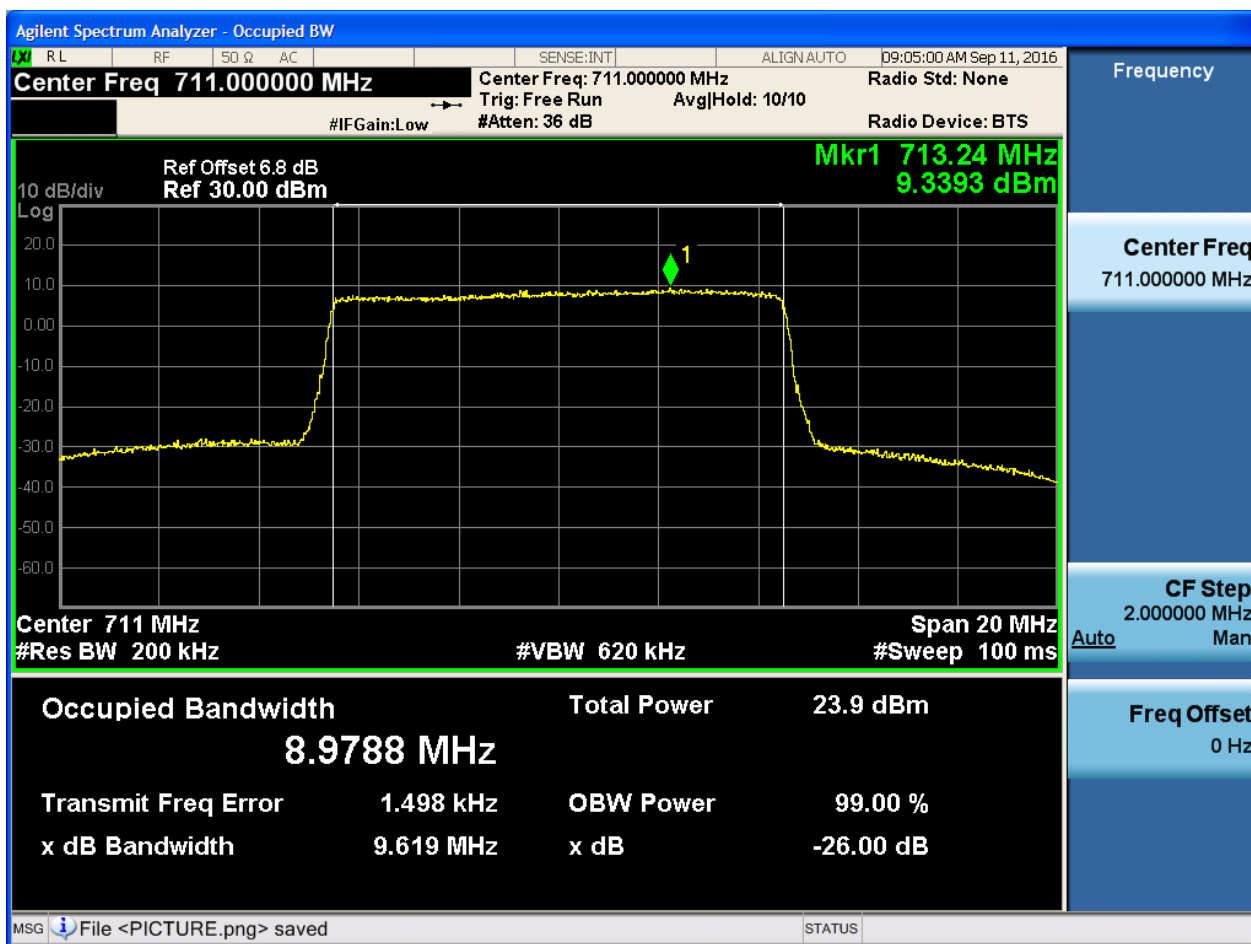
4.1.1.1.4.2 Test Channel = MCH

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



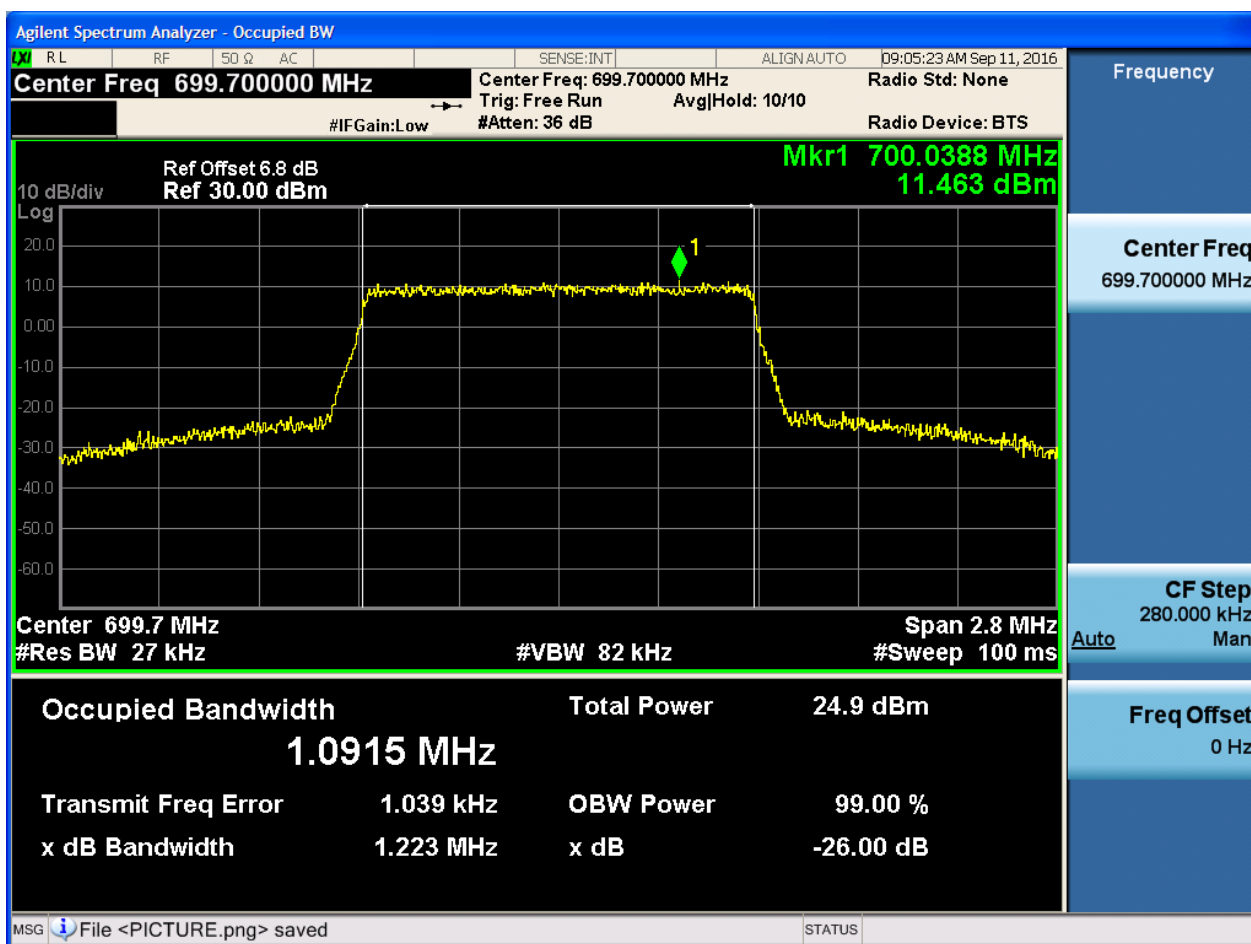


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

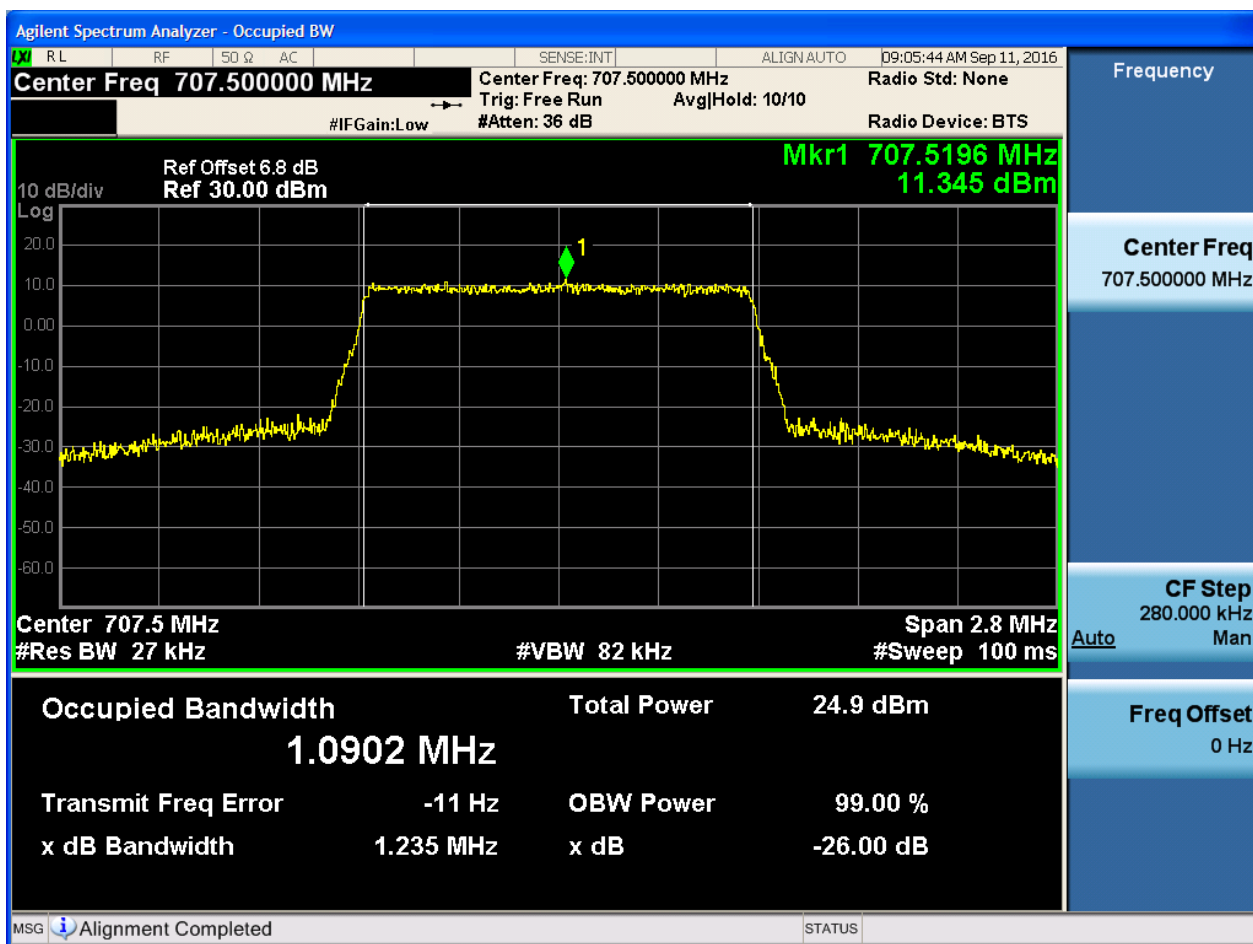
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

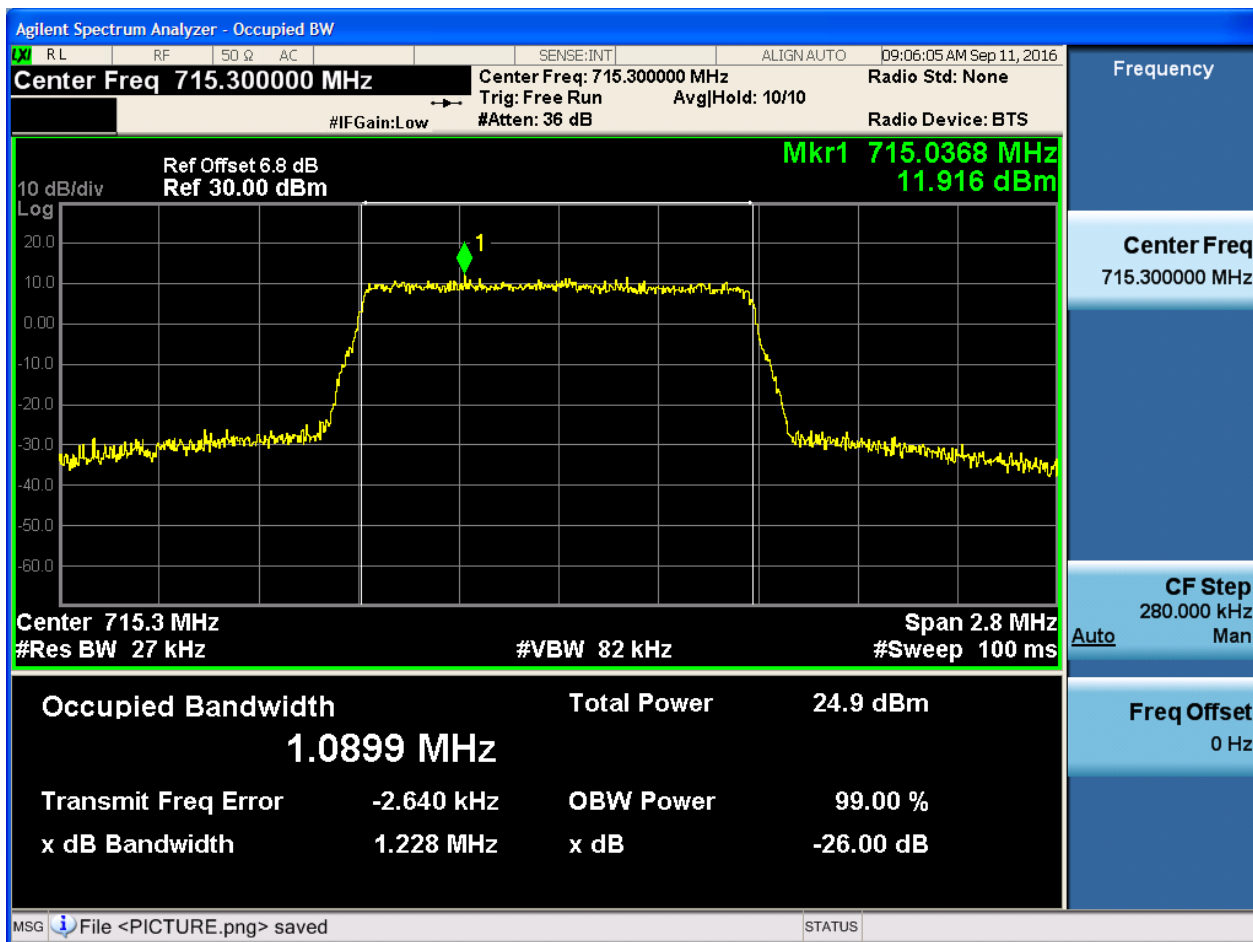
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

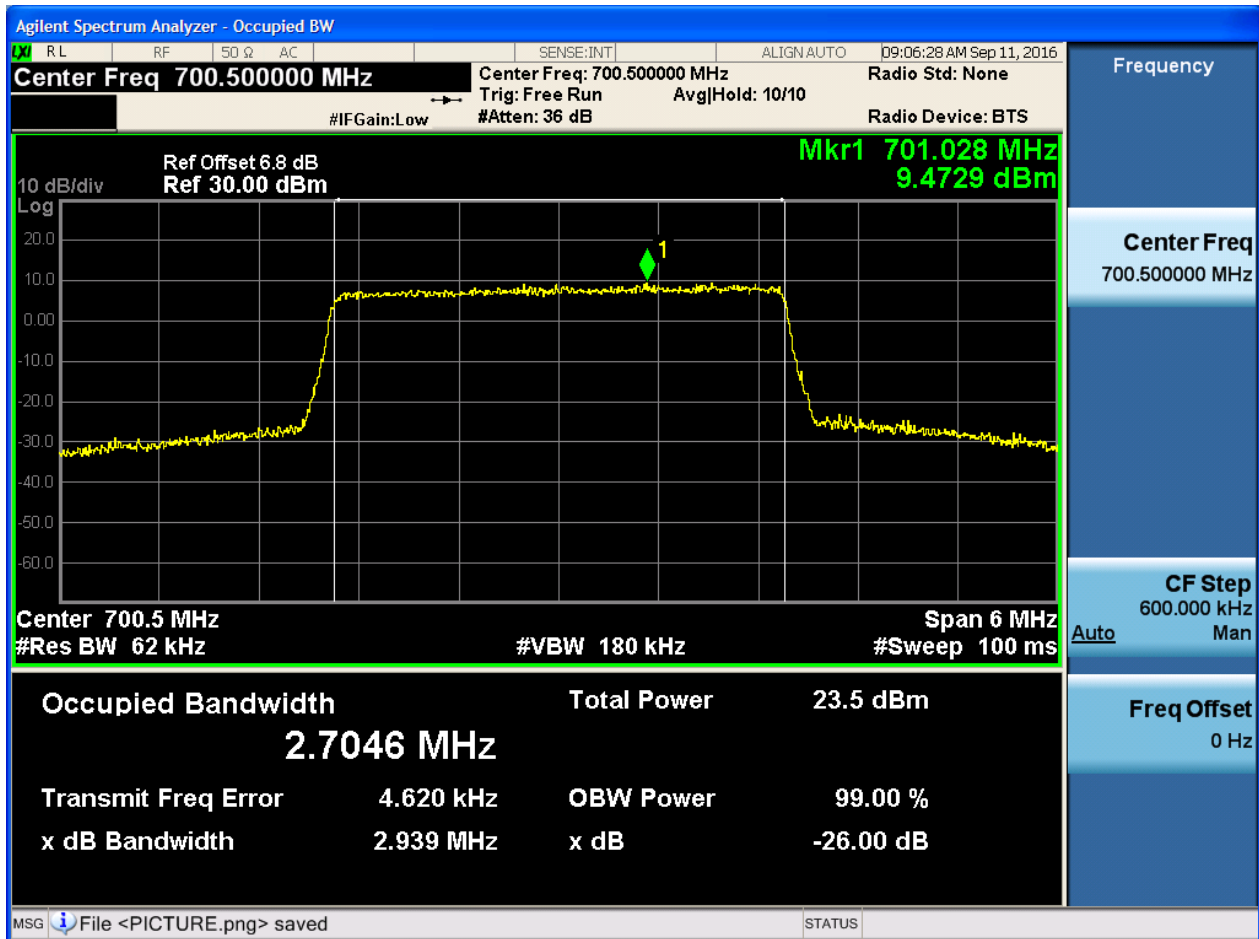




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

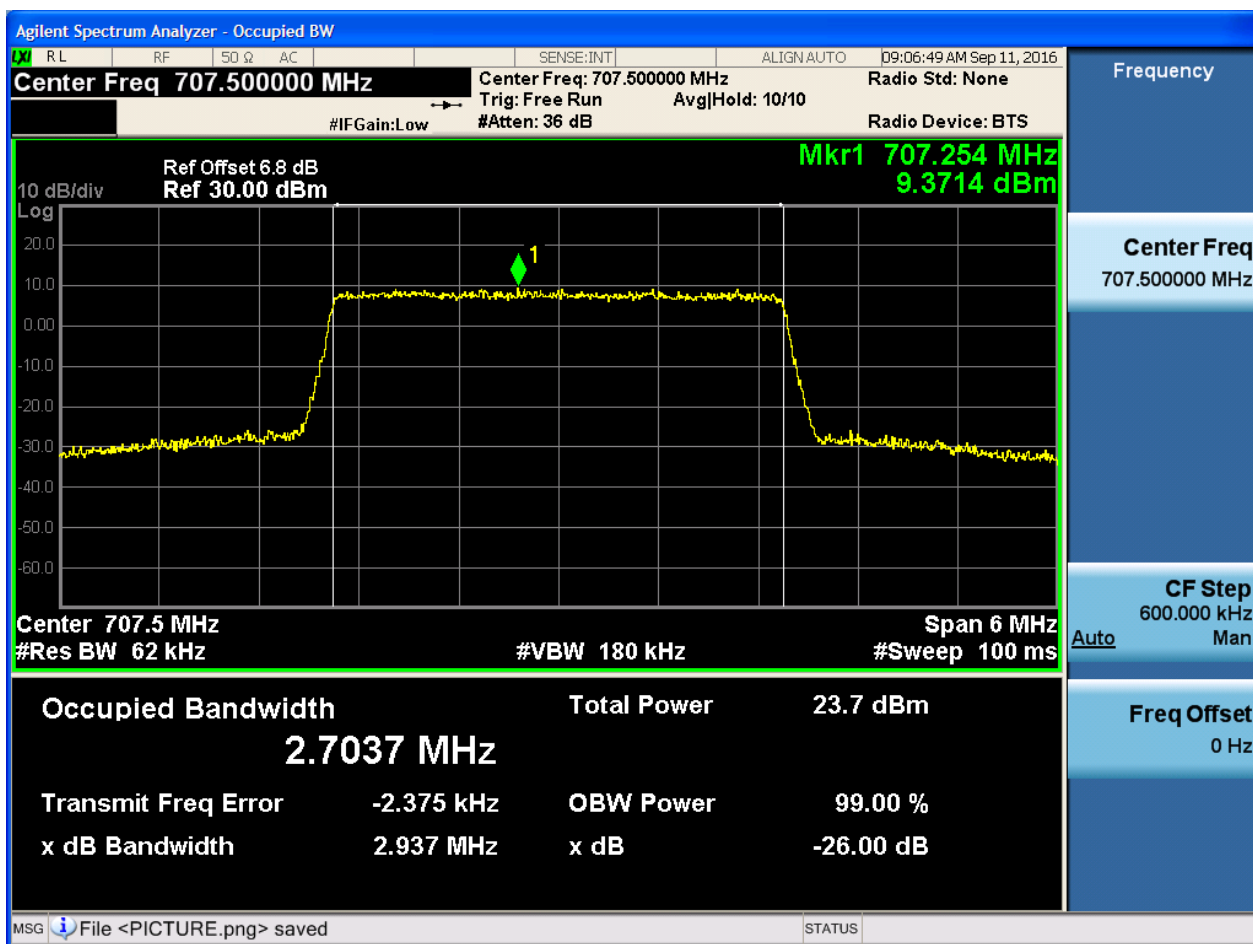
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

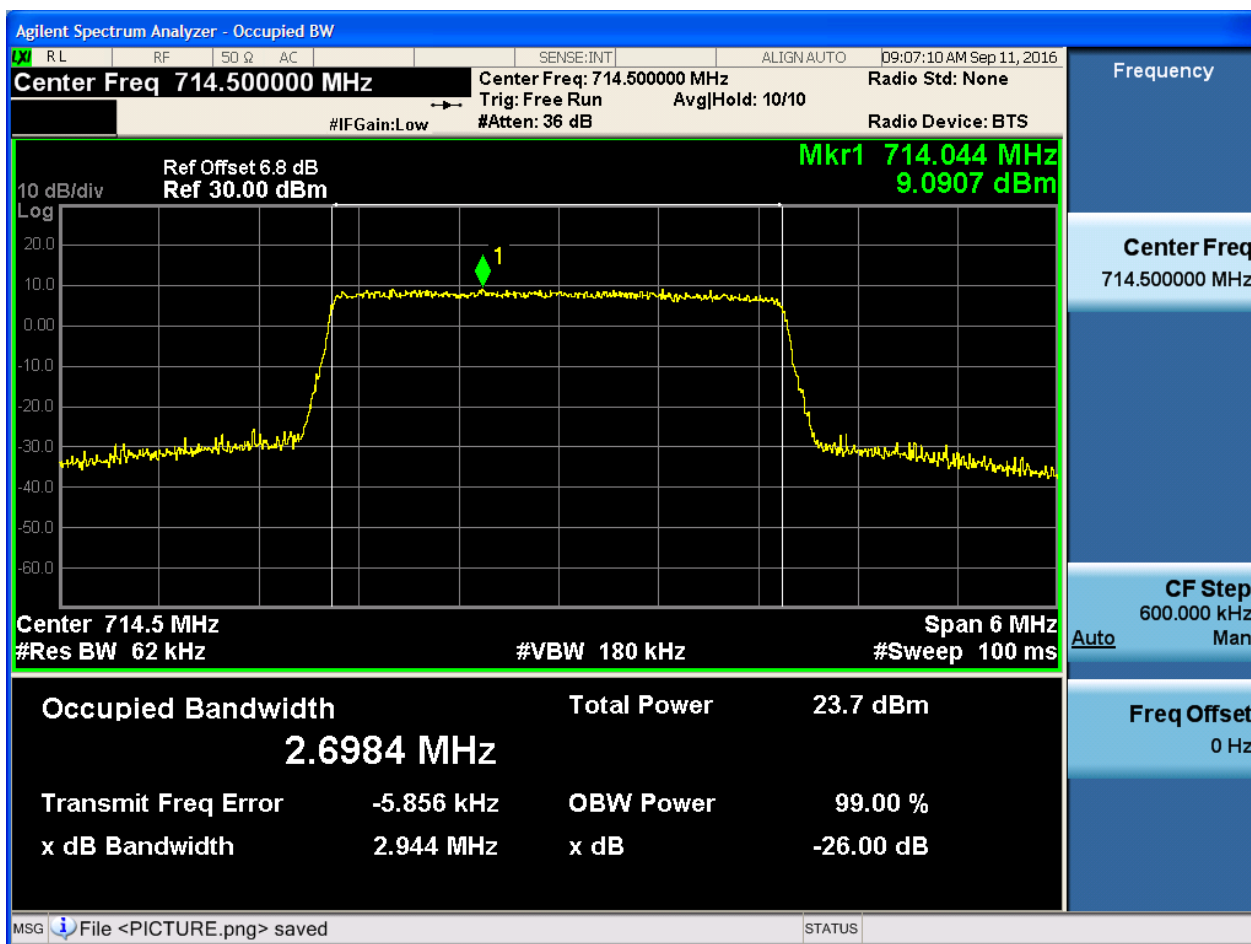
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

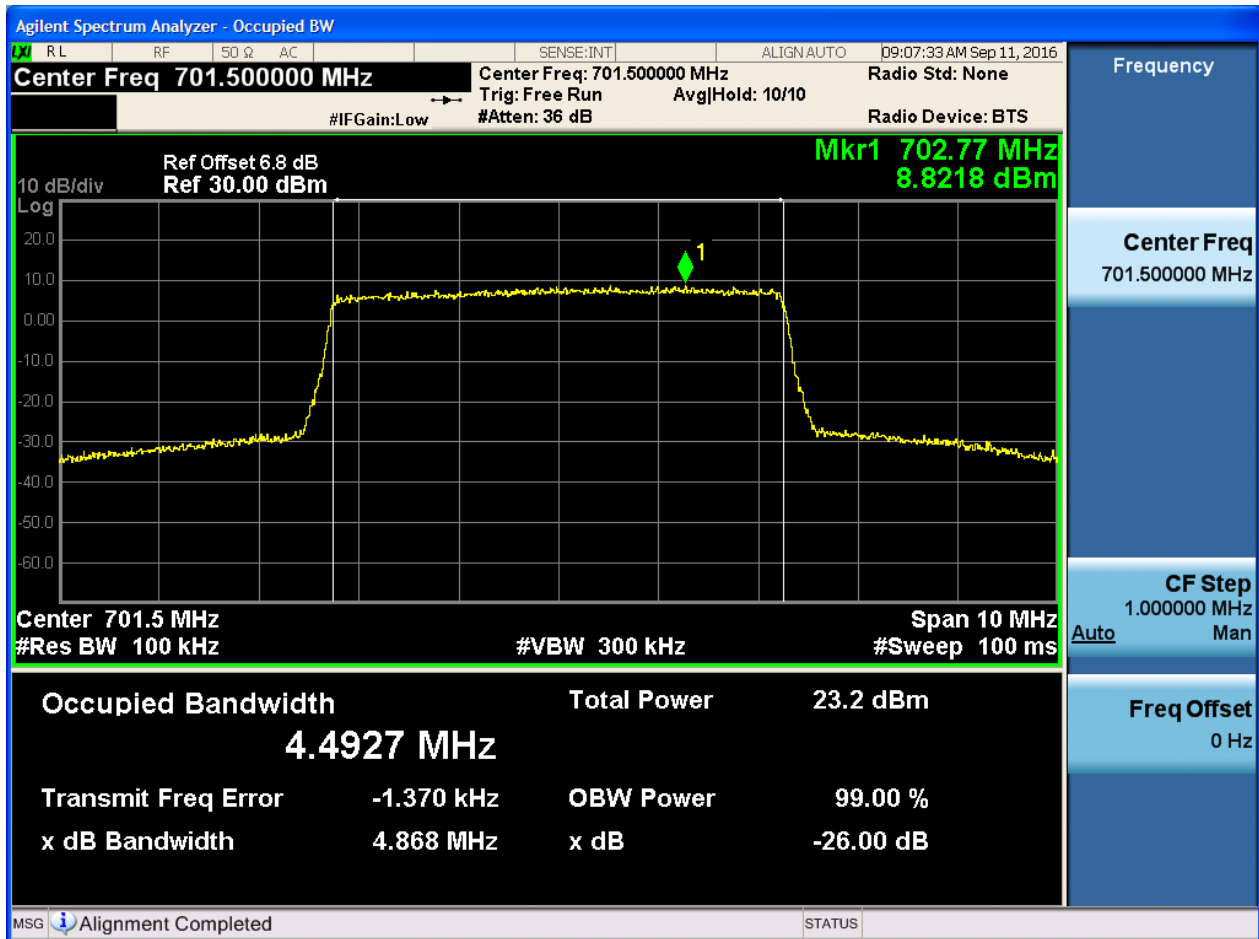




4.1.1.2.3 Test Bandwidth = 5

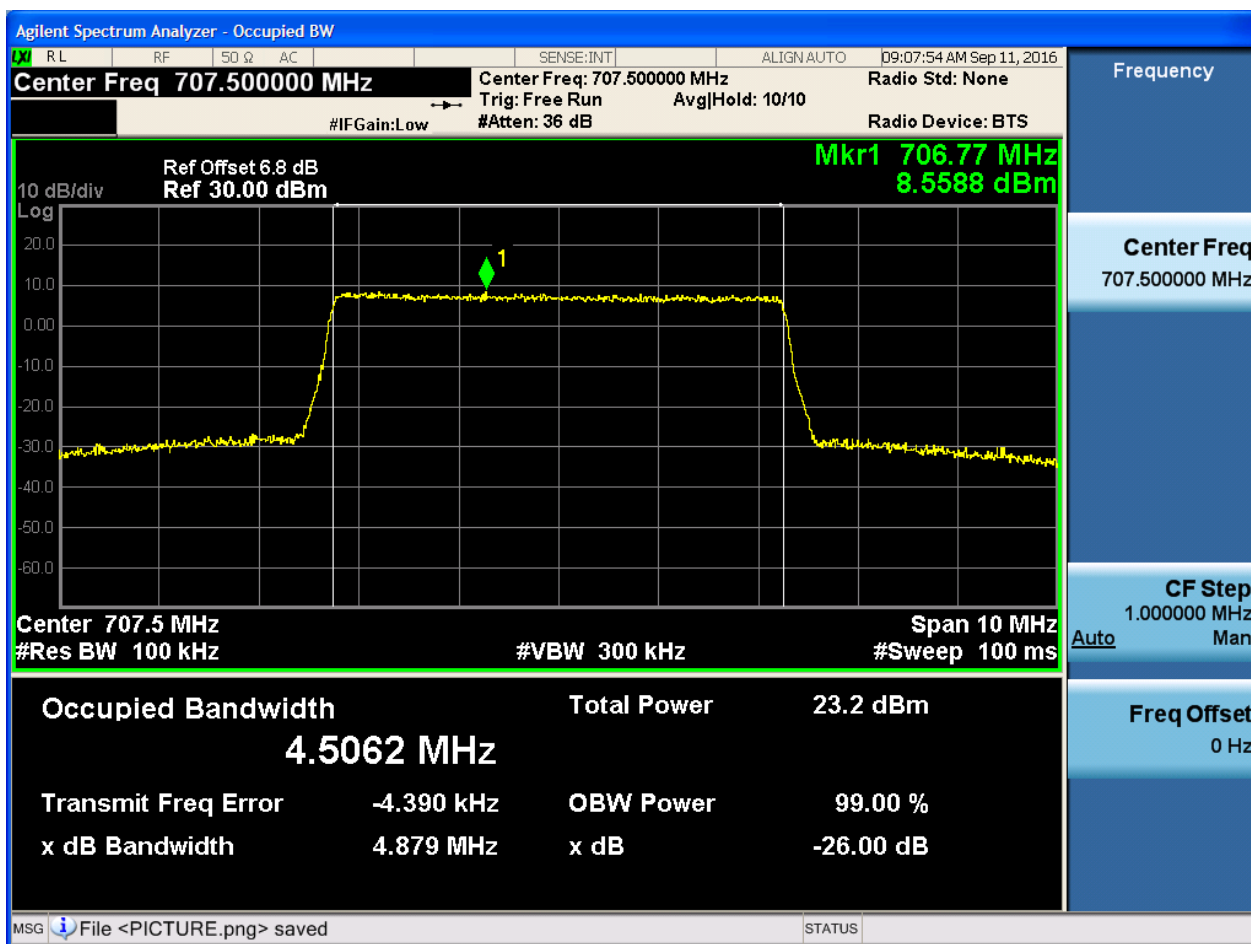
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



4.1.1.2.3.2 Test Channel = MCH

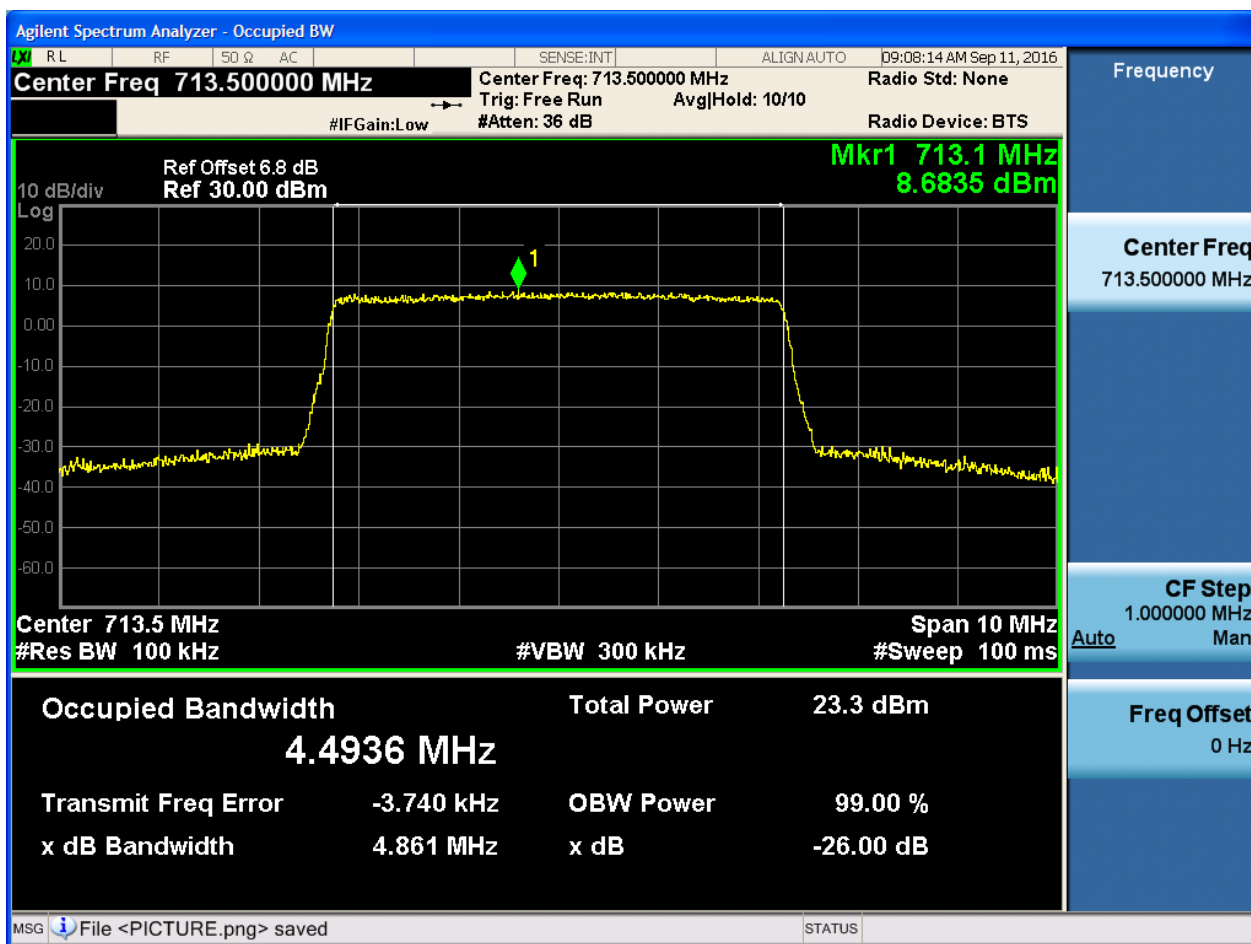
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

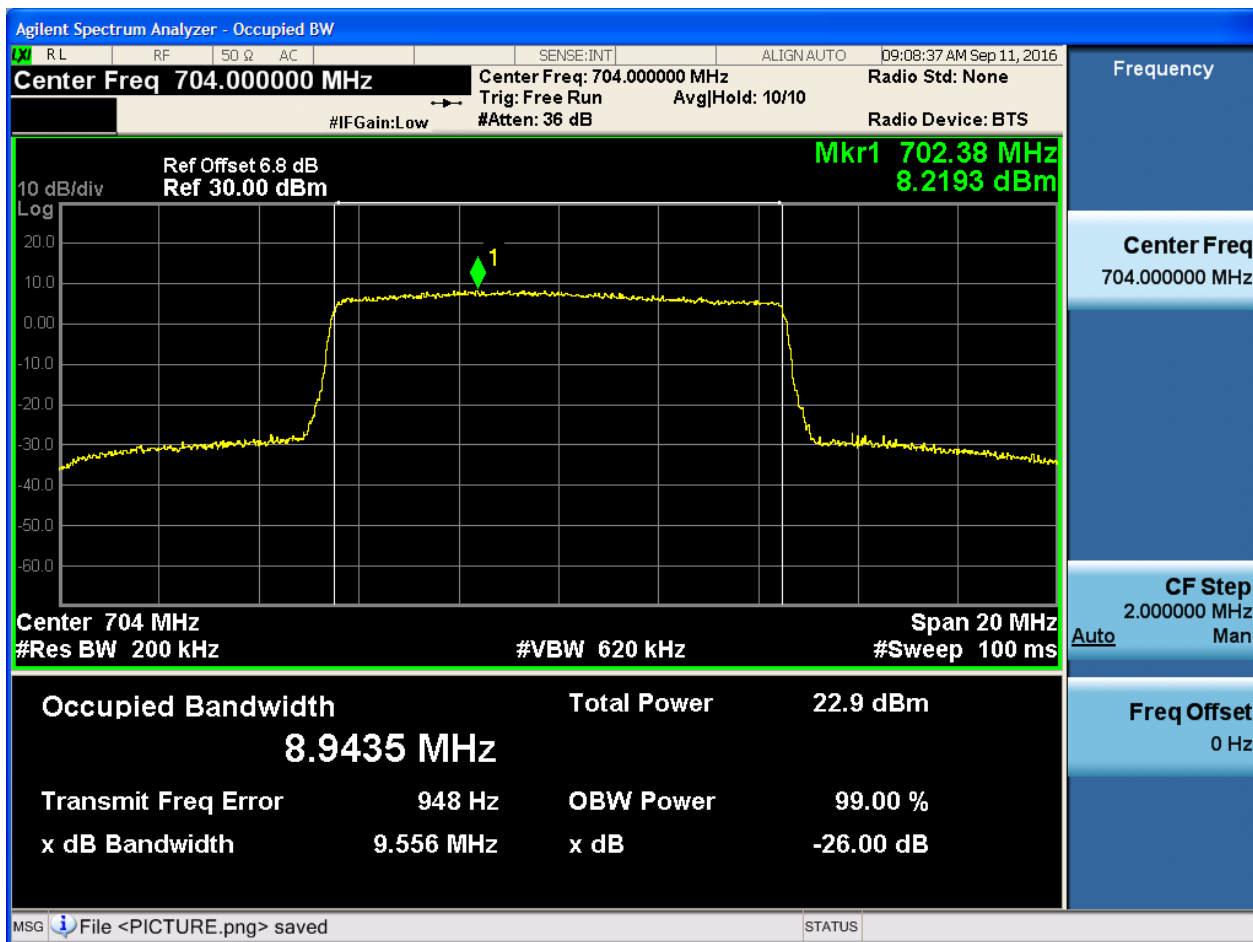




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

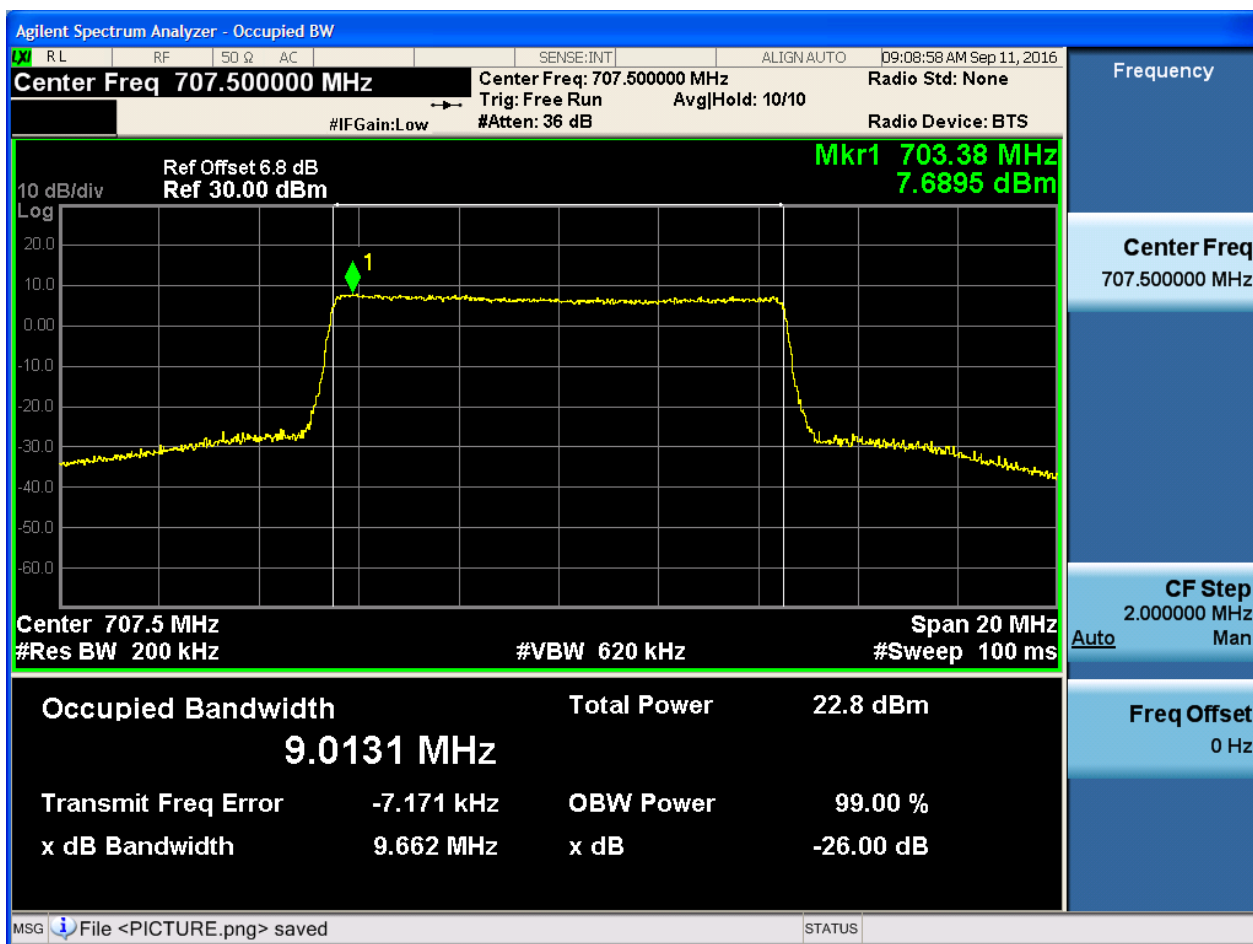
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

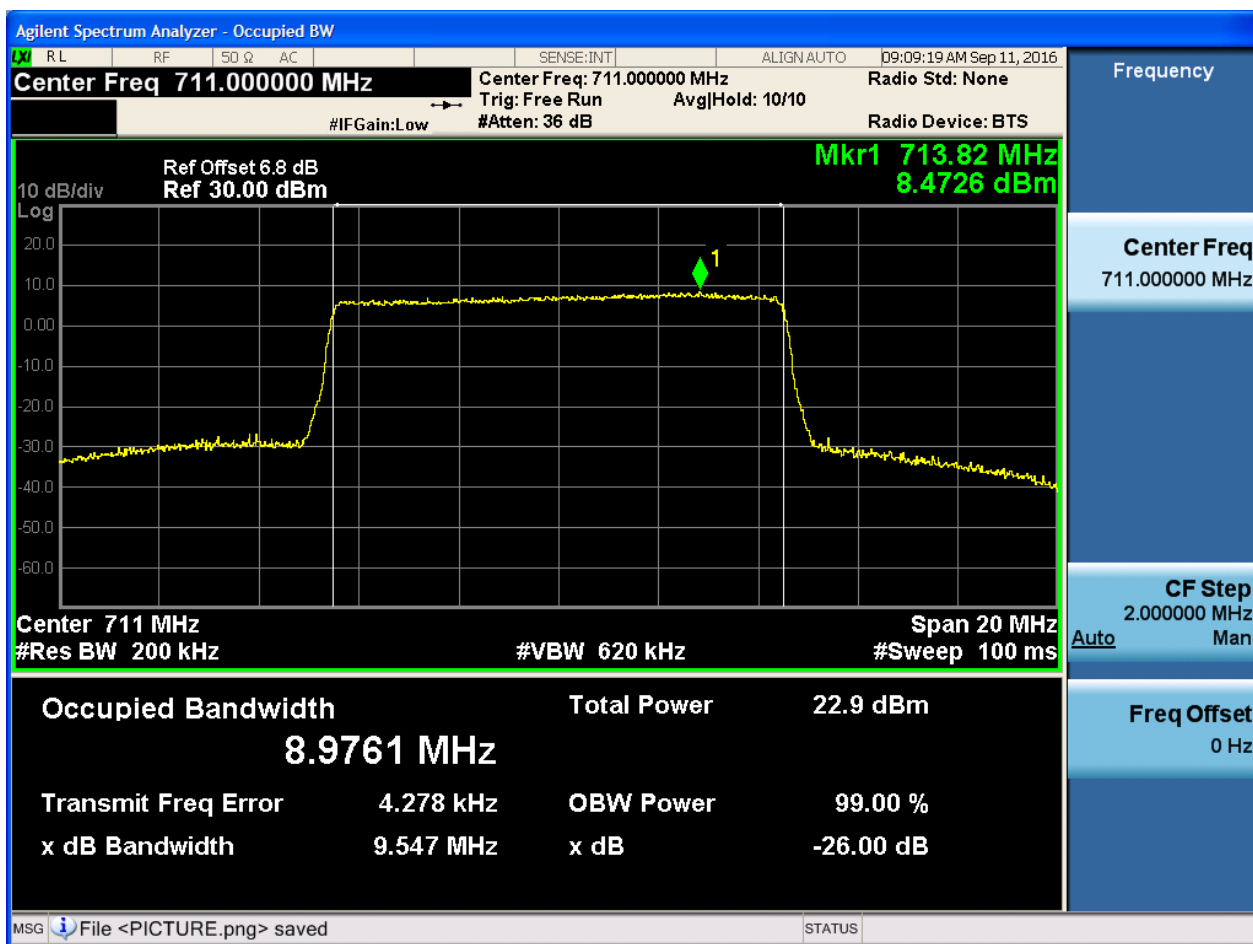
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

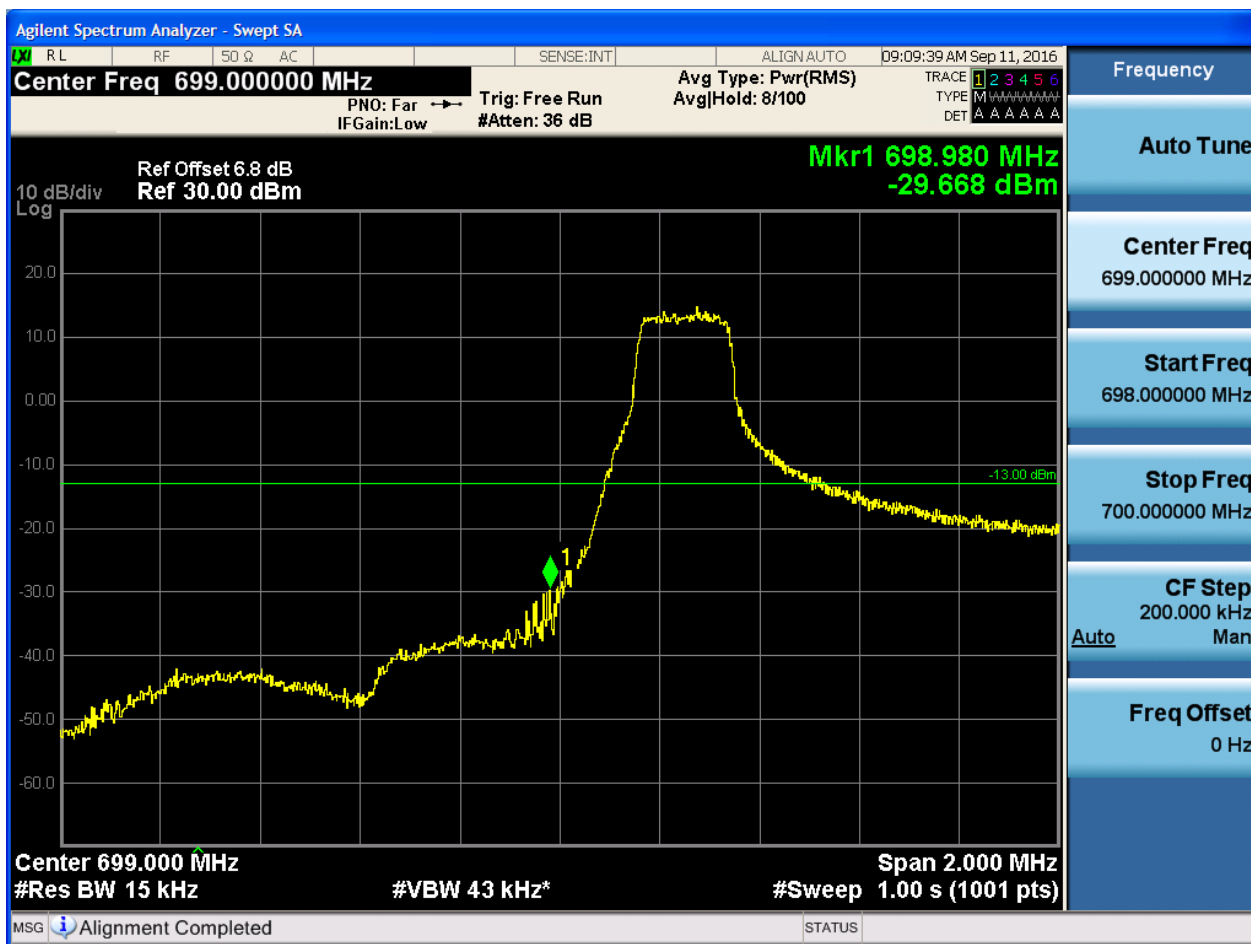
5.1.1 Test Band = BAND12

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

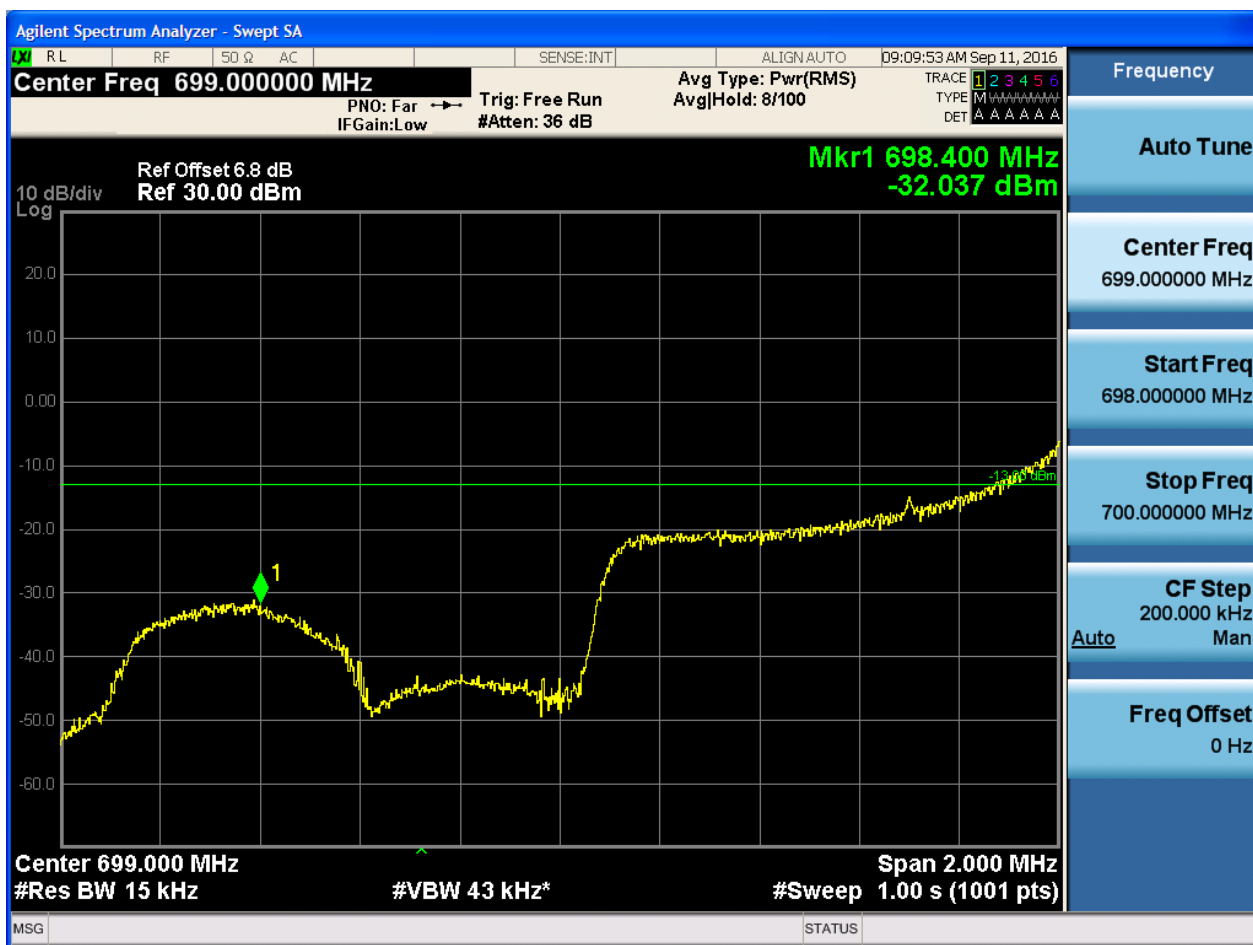
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



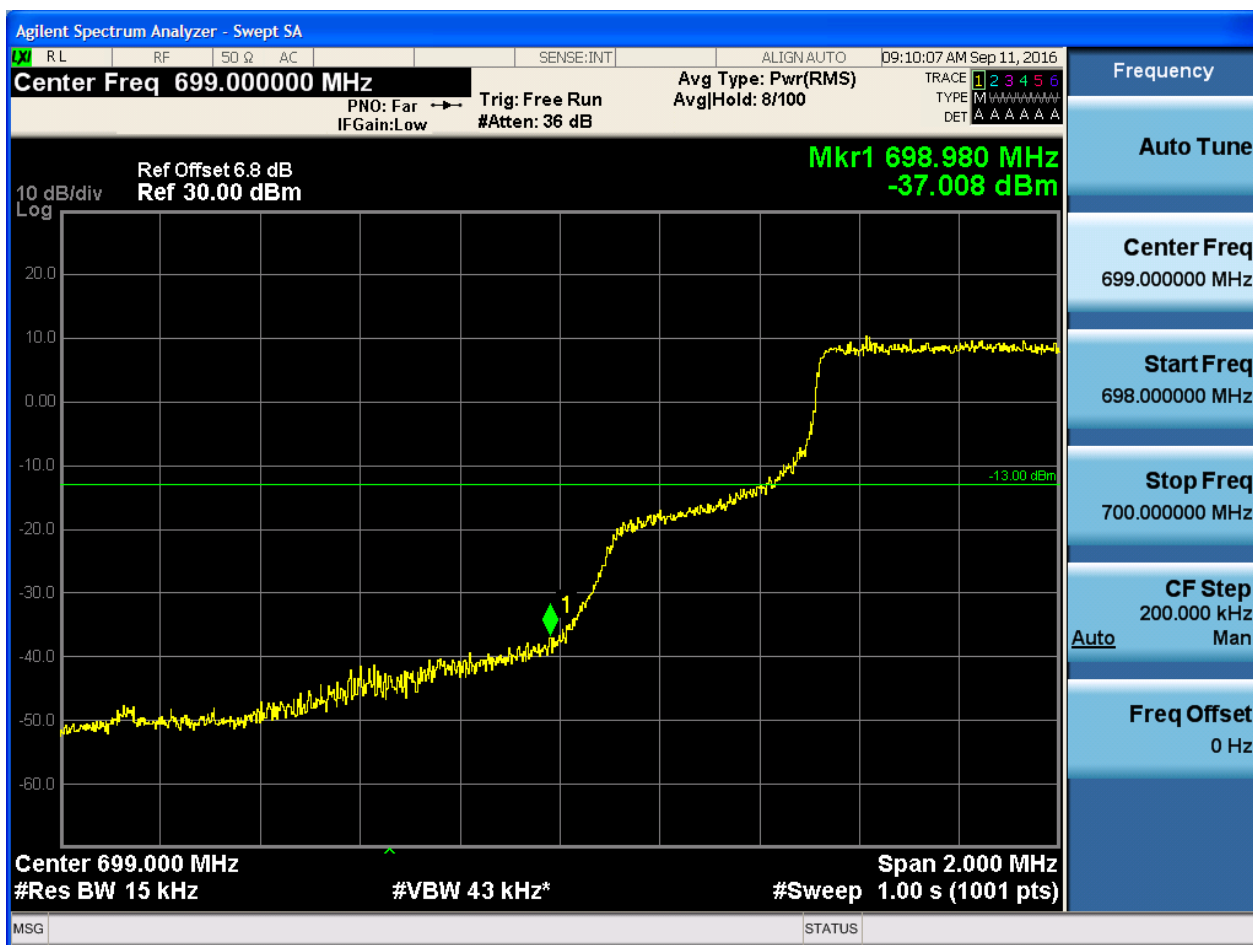


5.1.1.1.1.2 Test RB = RB1#5



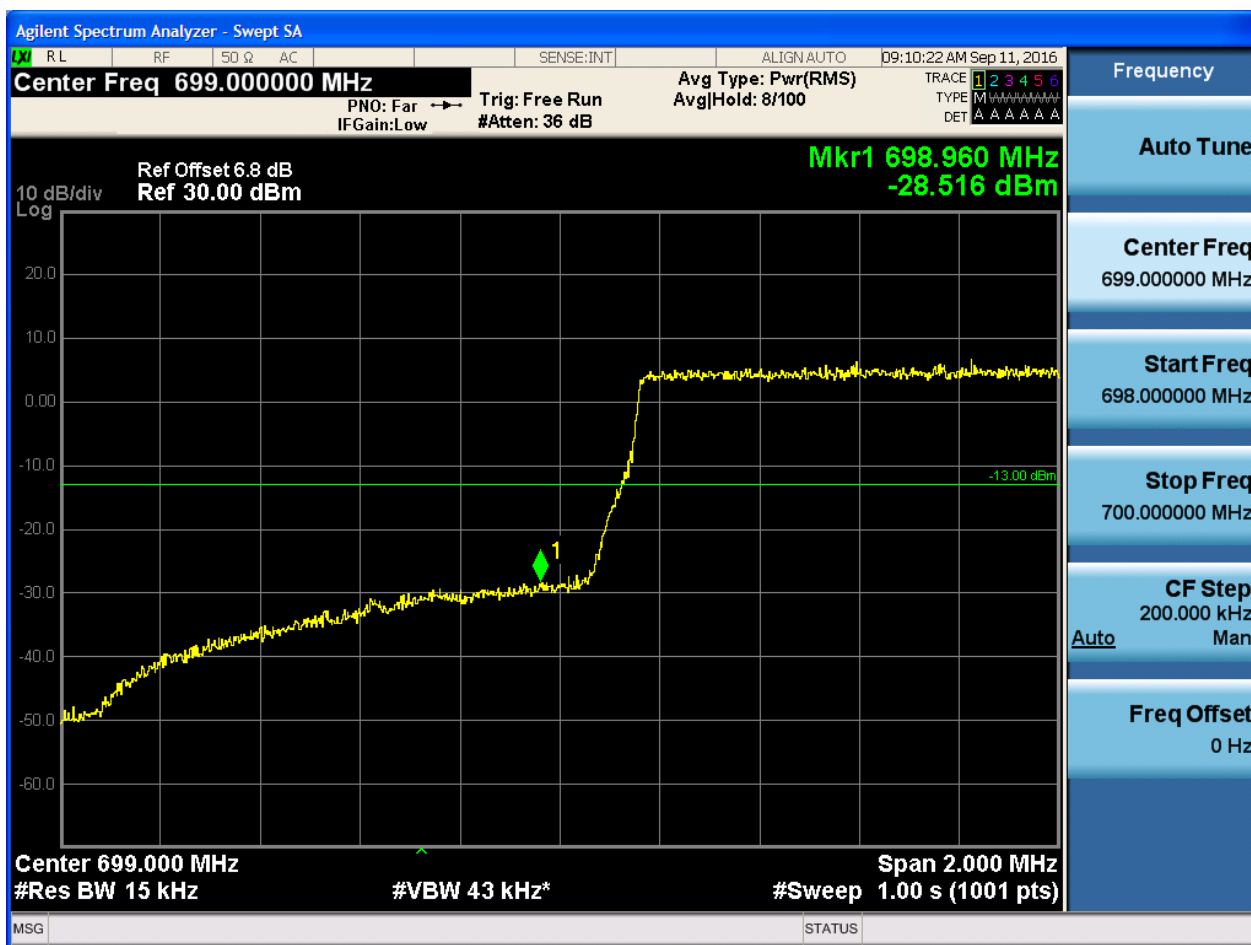


5.1.1.1.1.3 Test RB = RB3#2





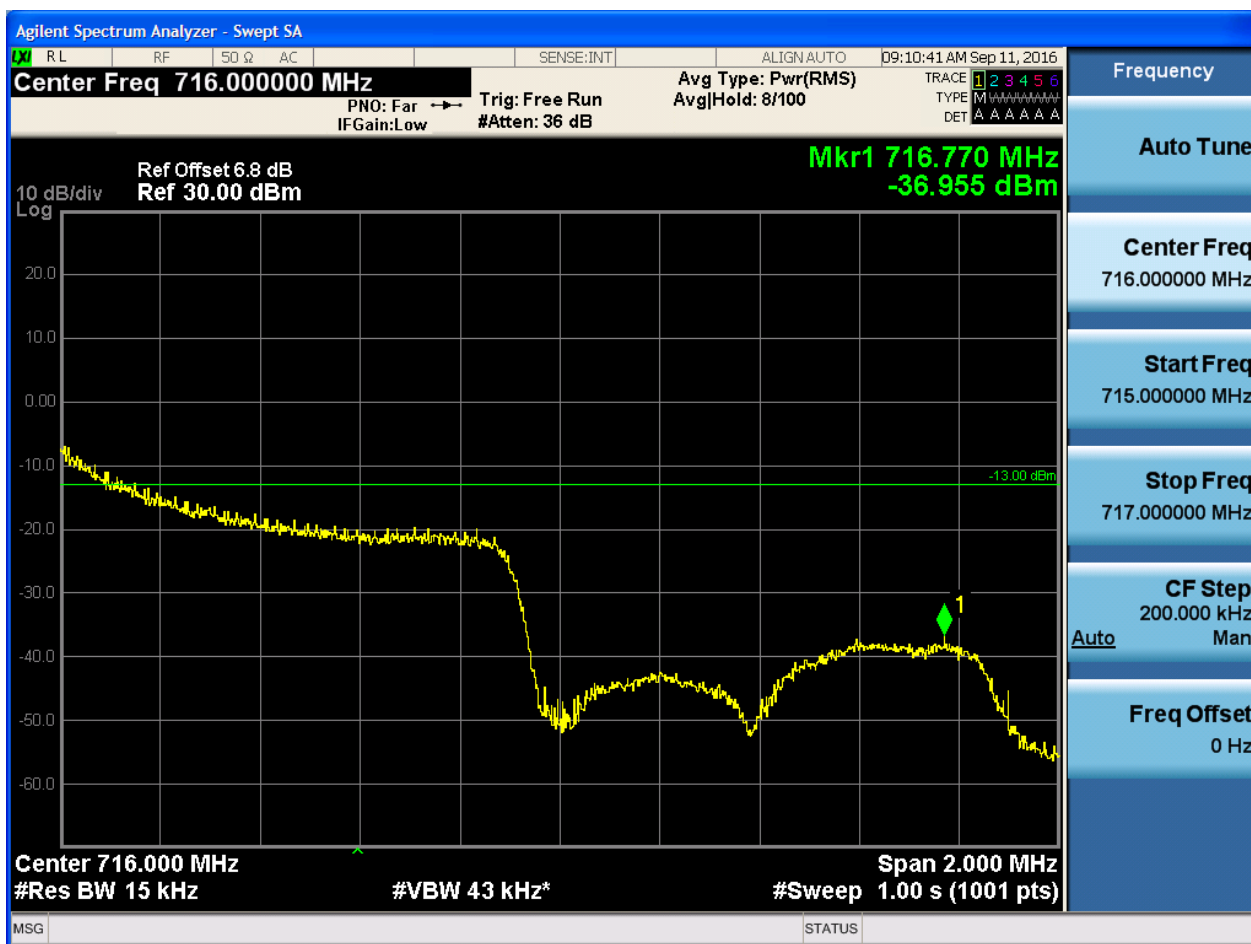
5.1.1.1.1.4 Test RB = RB6#0





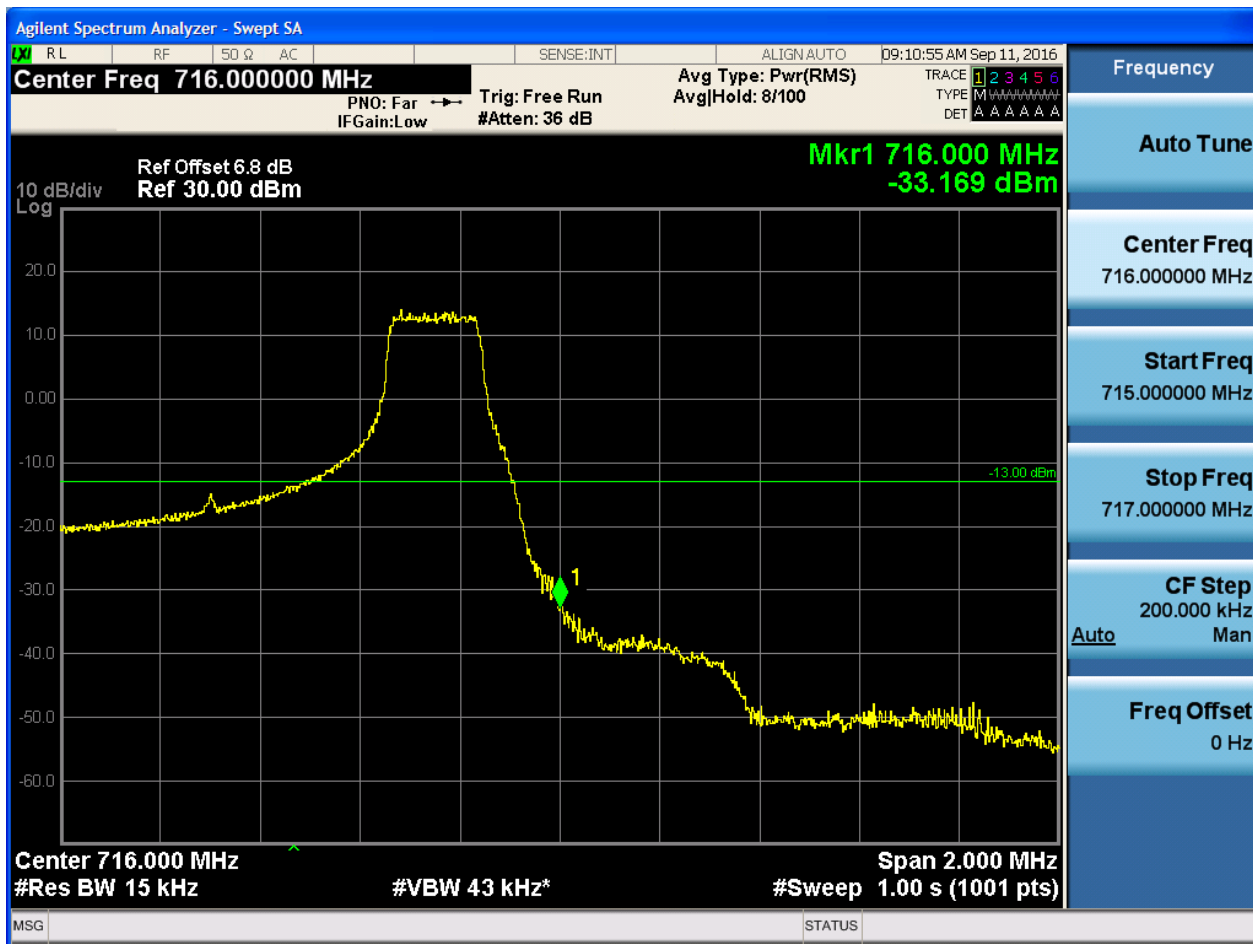
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0





5.1.1.1.2.1.1 Test RB = RB1#0



Agilent Spectrum Analyzer - Swept SA

Center Freq 699.000000 MHz

Ref Offset 6.8 dB
Ref 30.00 dBm

10 dB/div
Log

Center 699.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Trig: Free Run
#Atten: 36 dB

Avg Type: Pwr(RMS)
Avg/Hold: 8/100

Mkr1 699.000 MHz
-35.610 dBm

Auto Tune

Center Freq
699.000000 MHz

Start Freq
698.000000 MHz

Stop Freq
700.000000 MHz

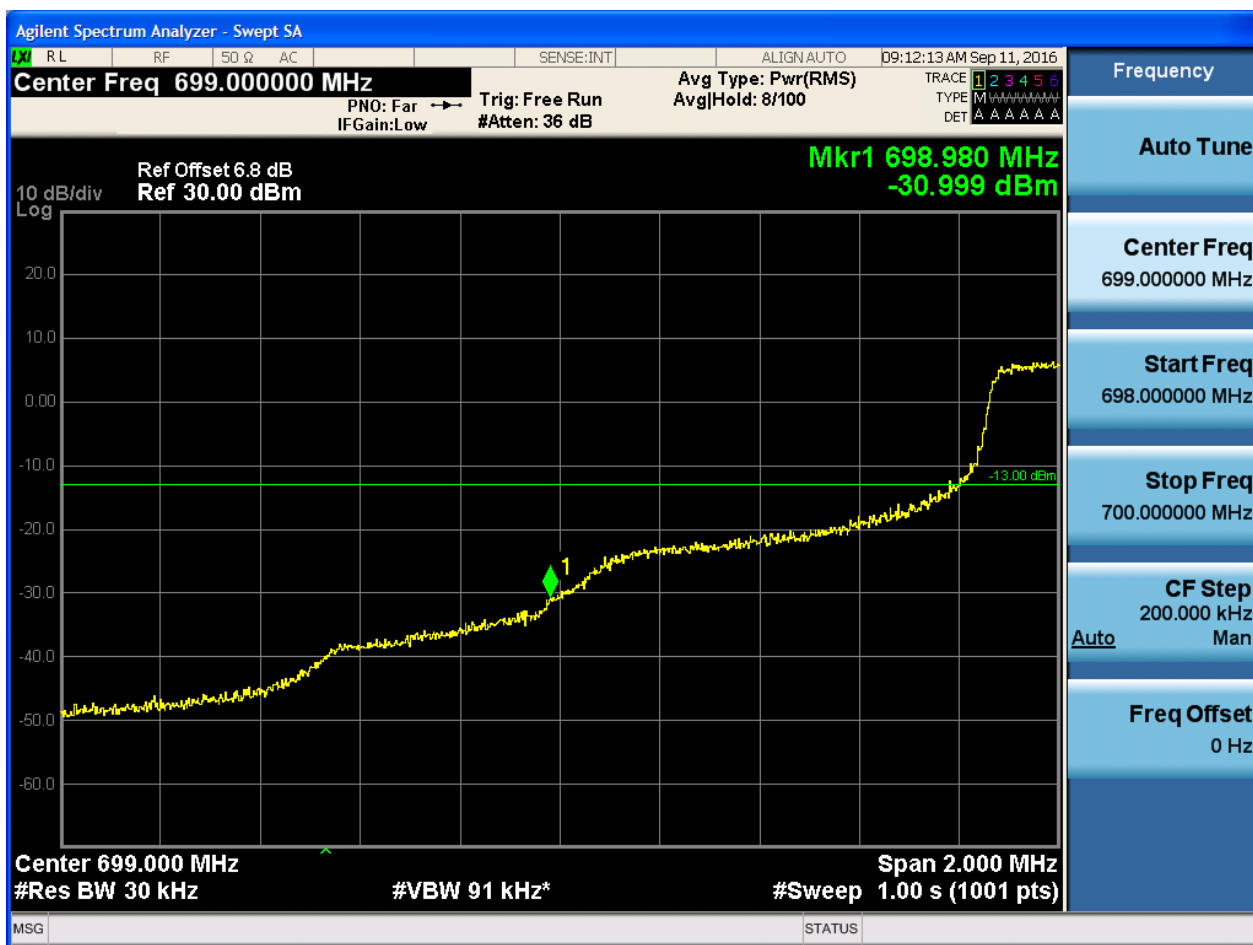
CF Step
200.000 kHz
Man

Freq Offset
0 Hz

MSG STATUS

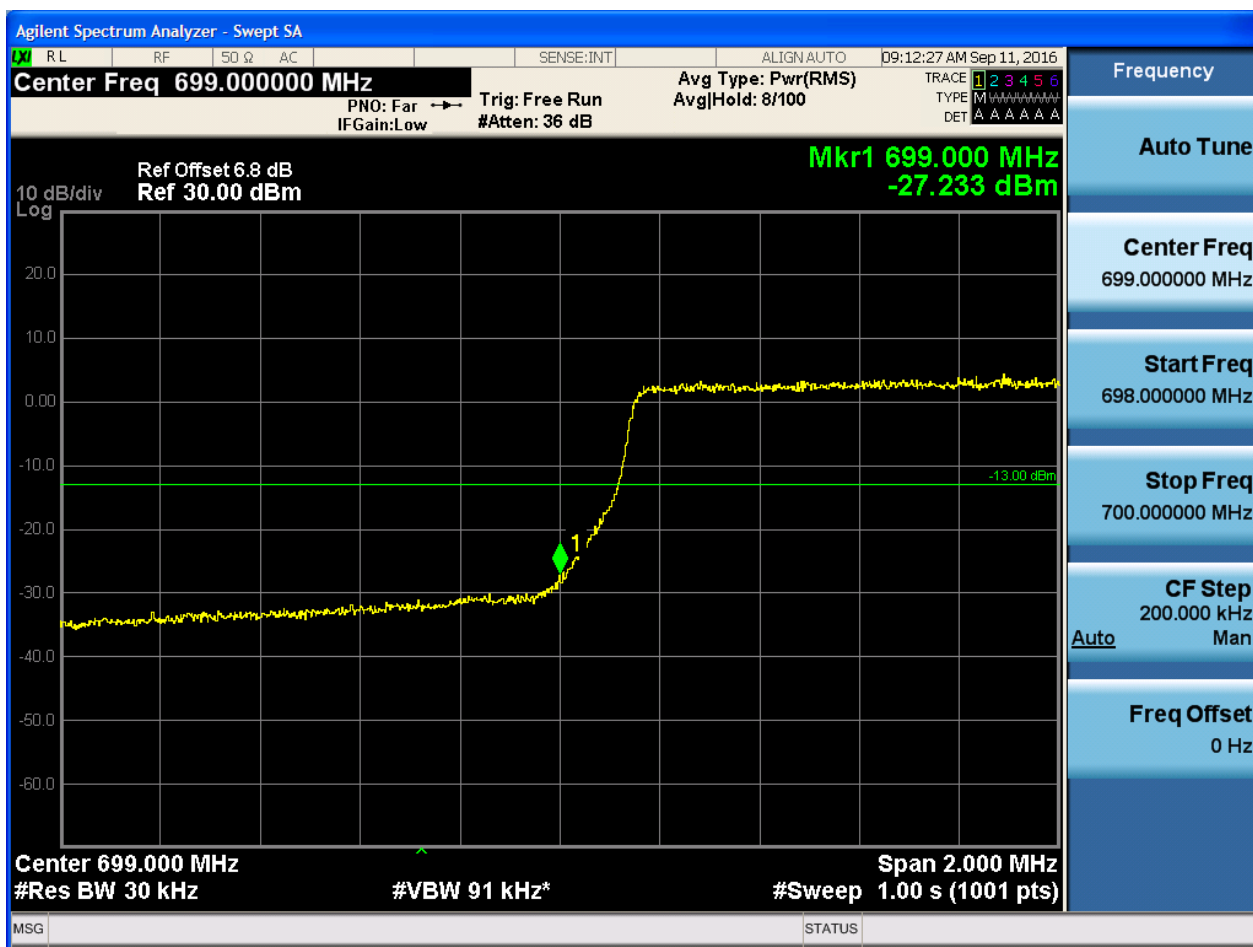


5.1.1.1.2.1.3 Test RB = RB8#4





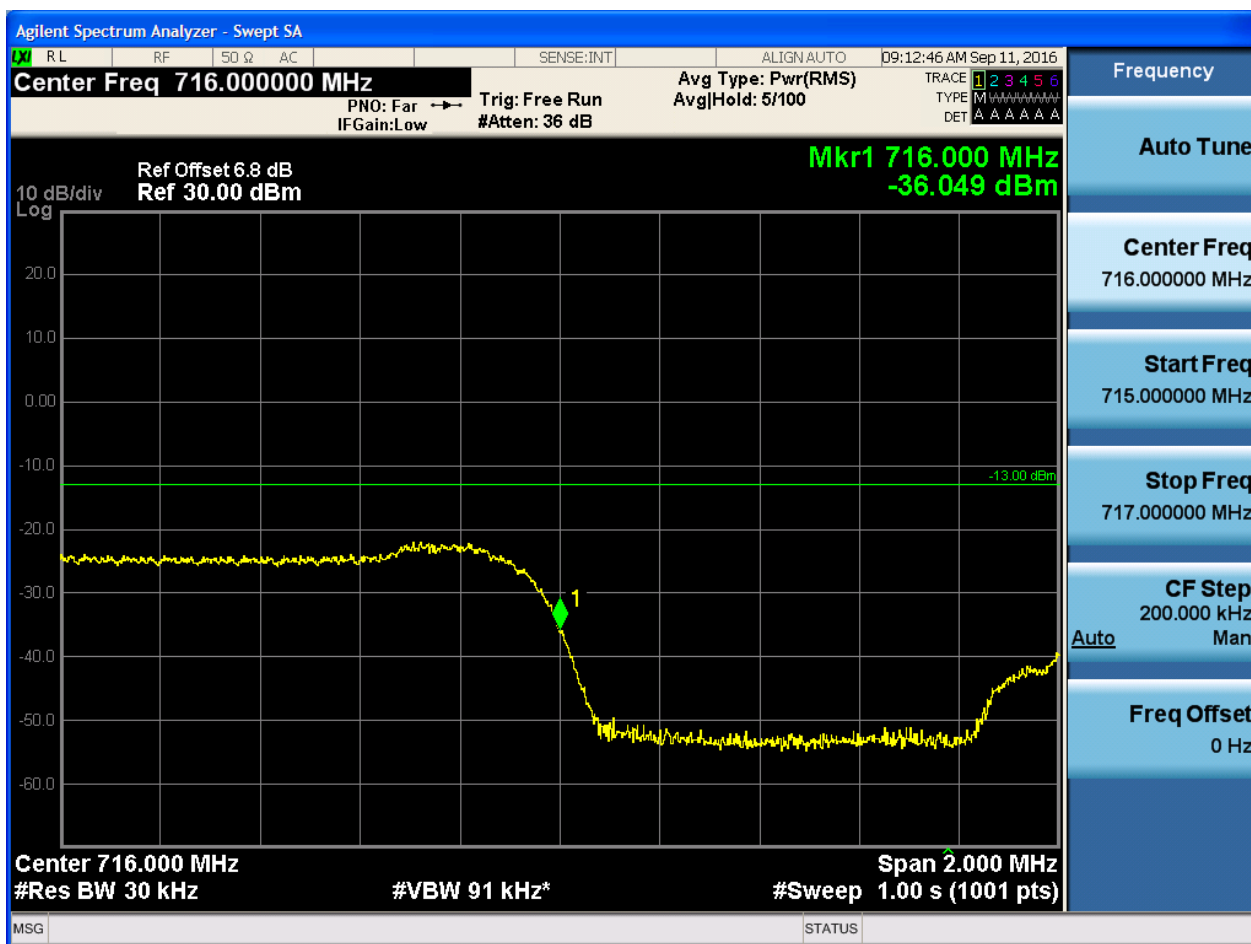
5.1.1.1.2.1.4 Test RB = RB15#0





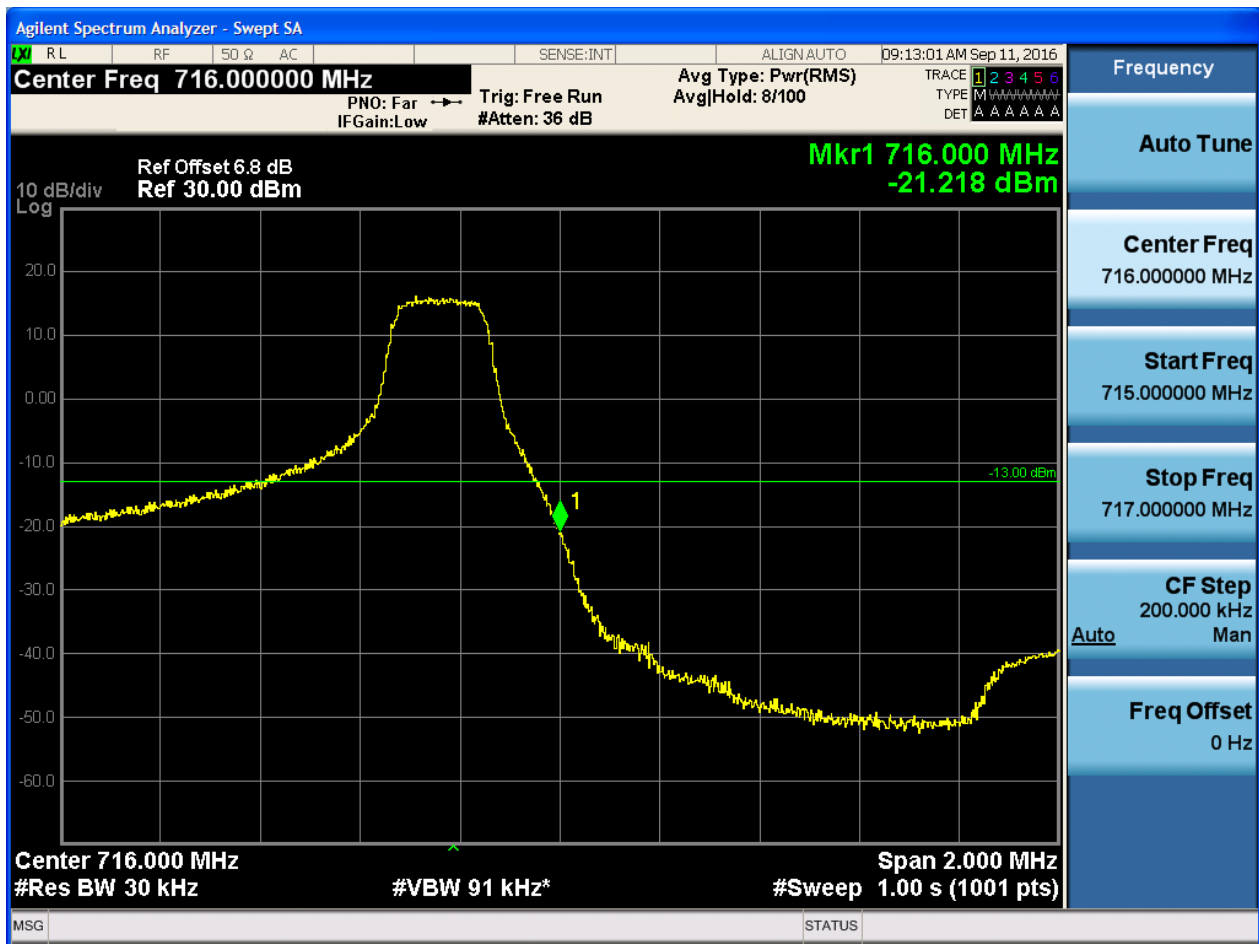
5.1.1.1.2.2 Test Channel = HCH

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

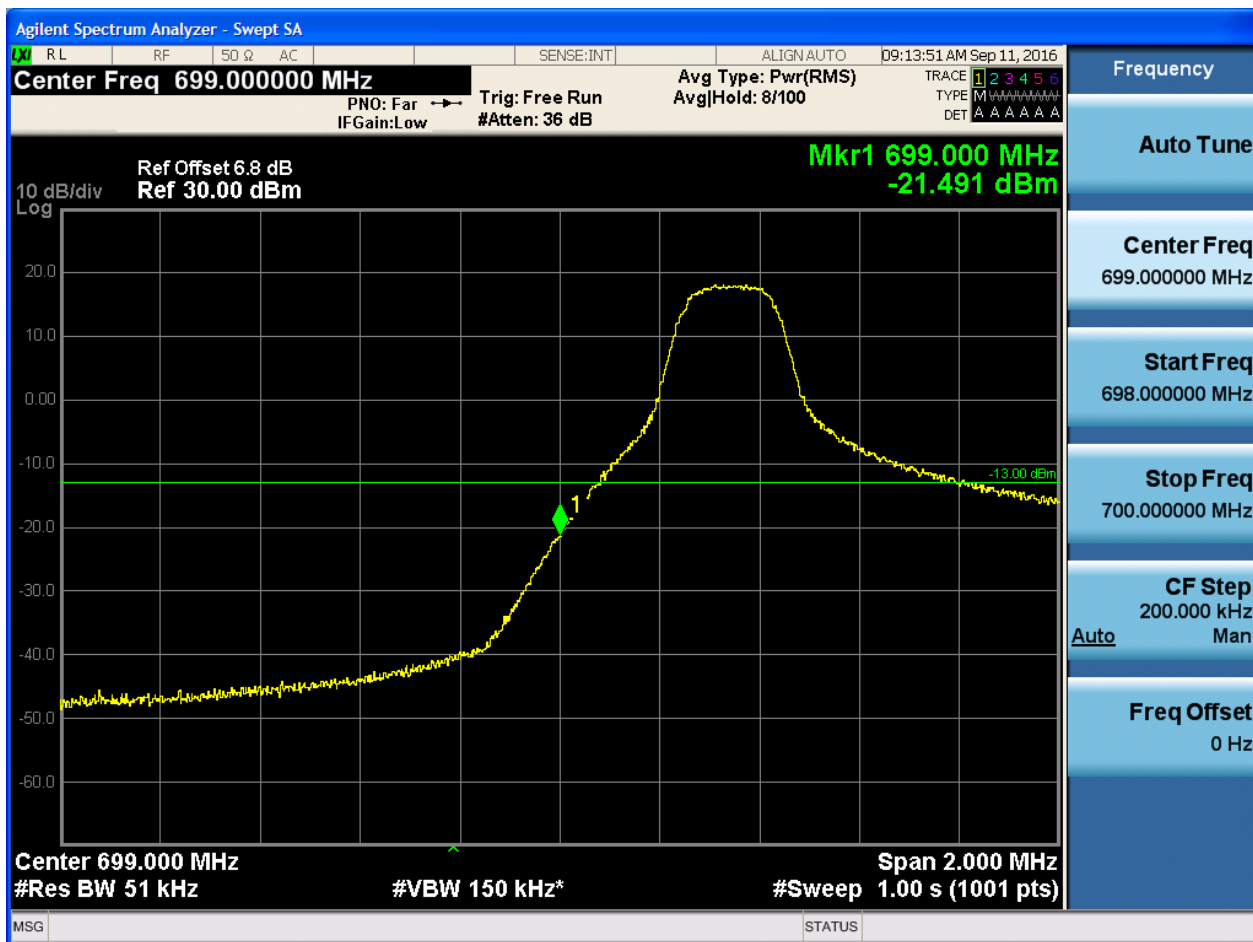




5.1.1.1.3 Test Bandwidth = 5

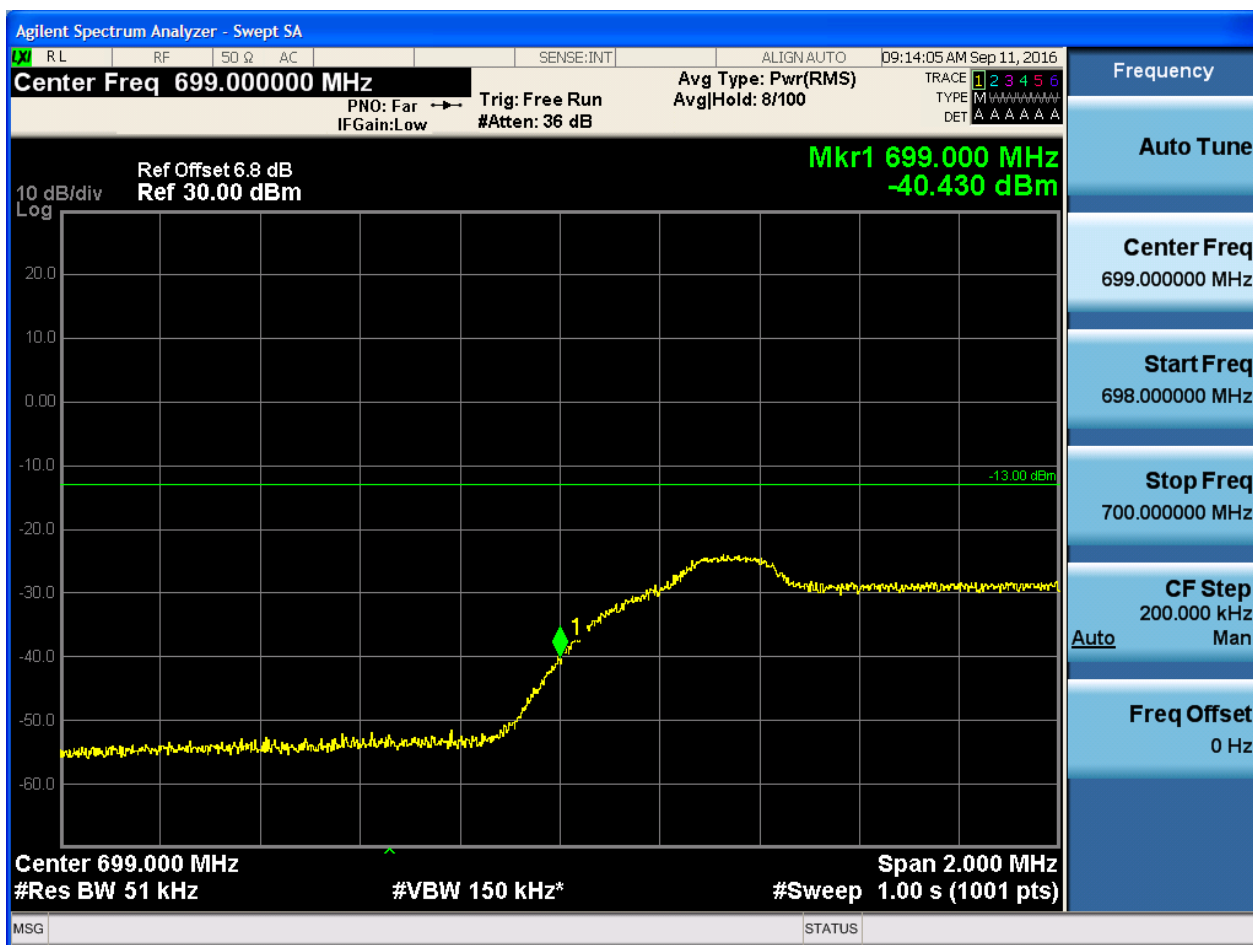
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



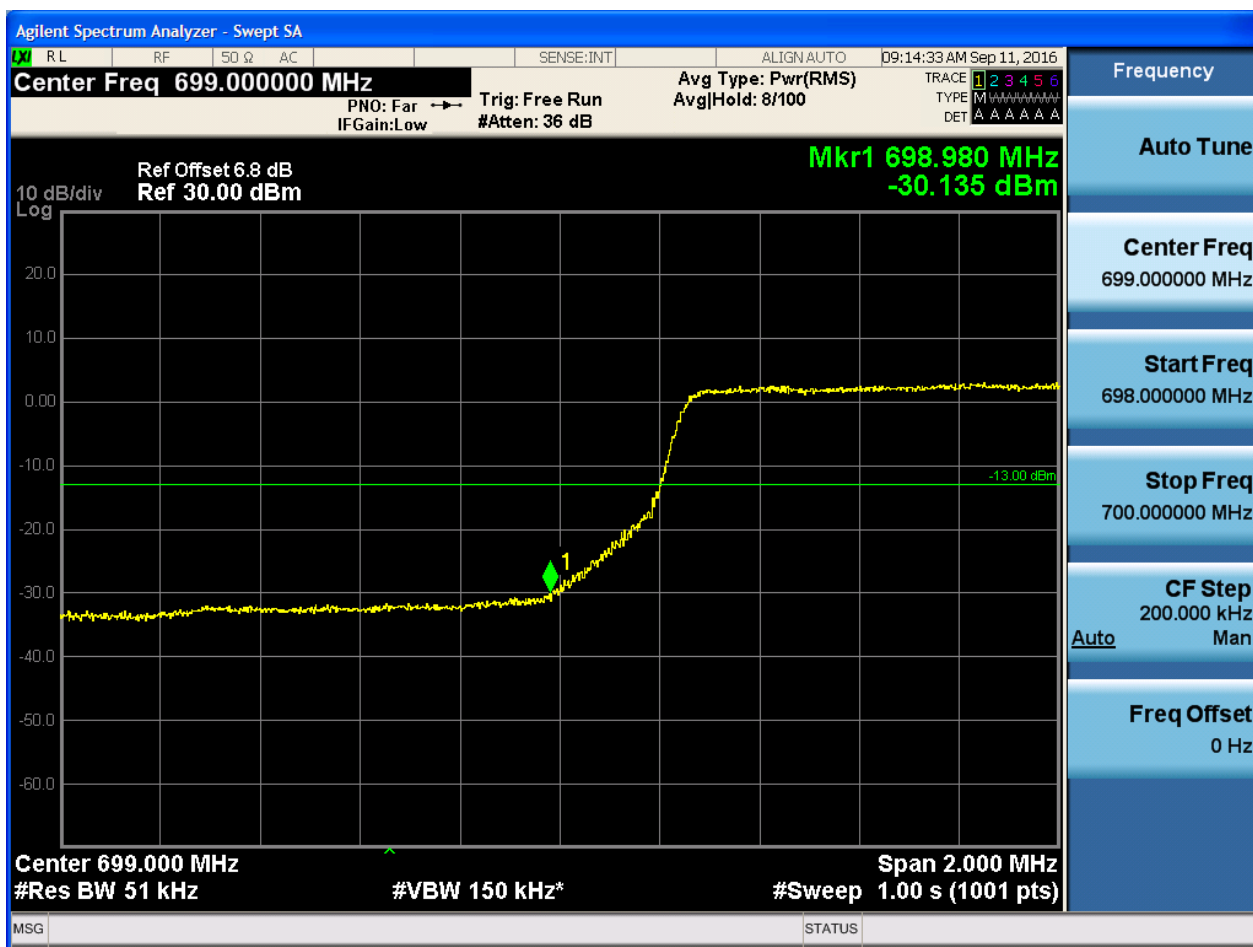


5.1.1.1.3.1.3 Test RB = RB12#6





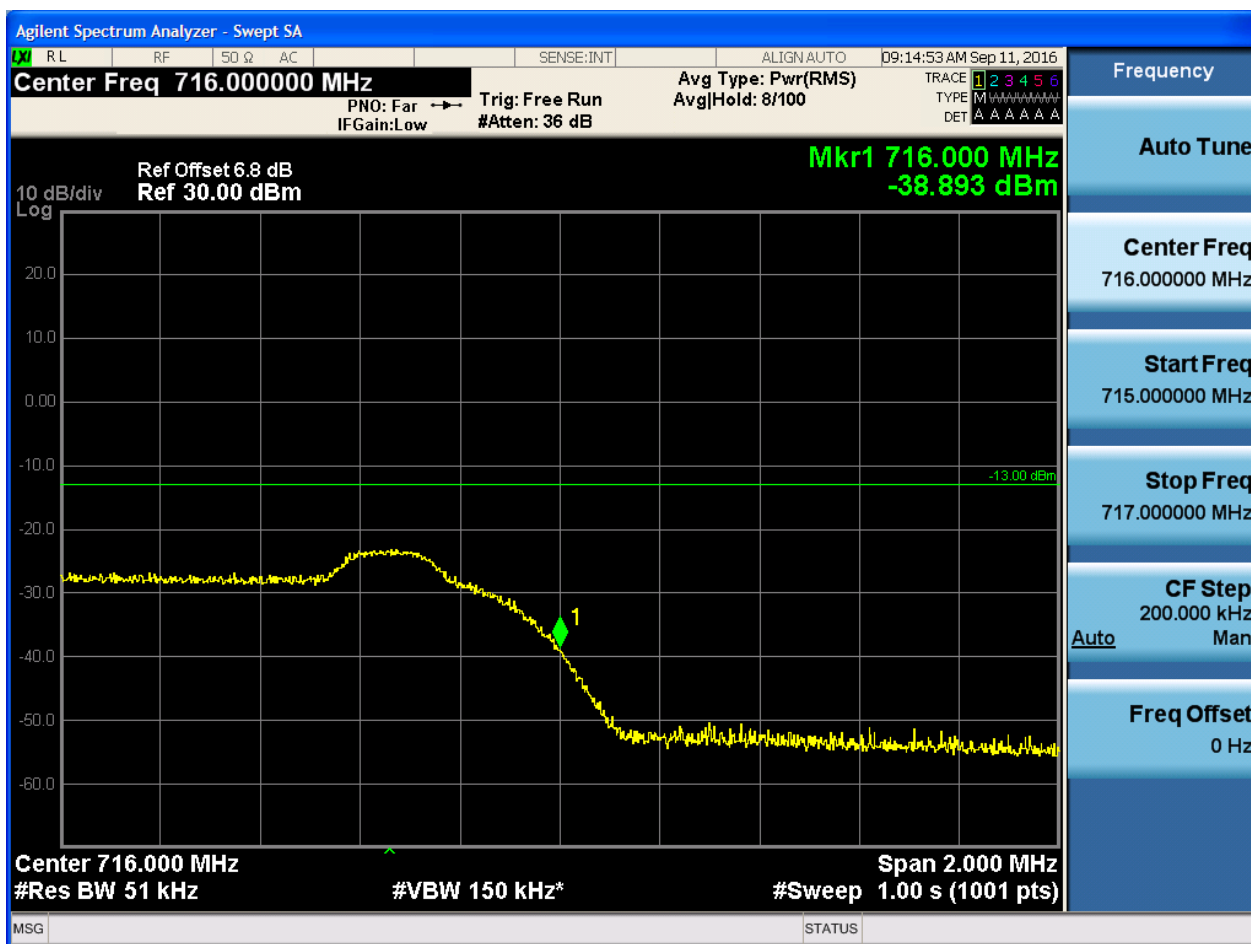
5.1.1.1.3.1.4 Test RB = RB25#0





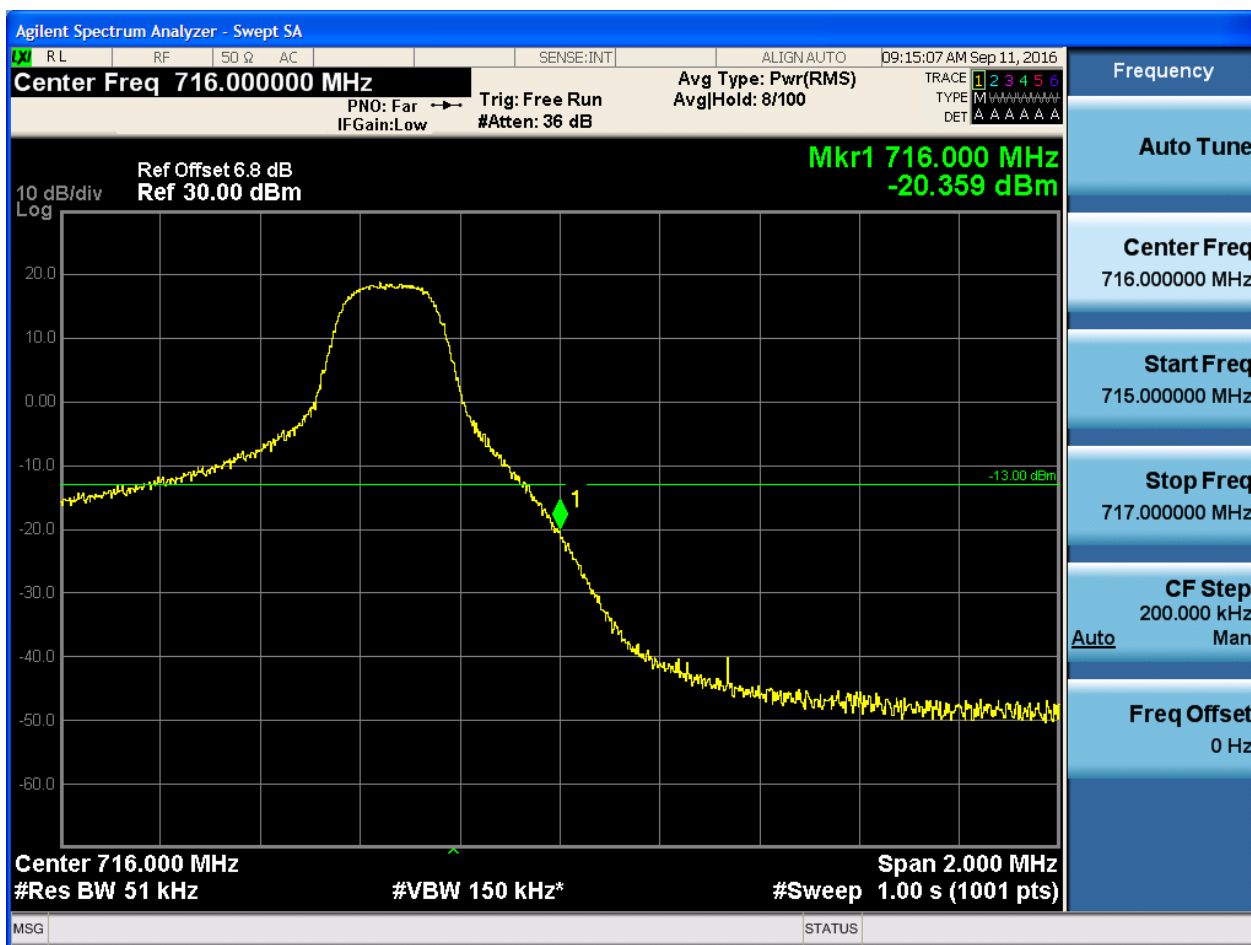
5.1.1.1.3.2 Test Channel = HCH

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

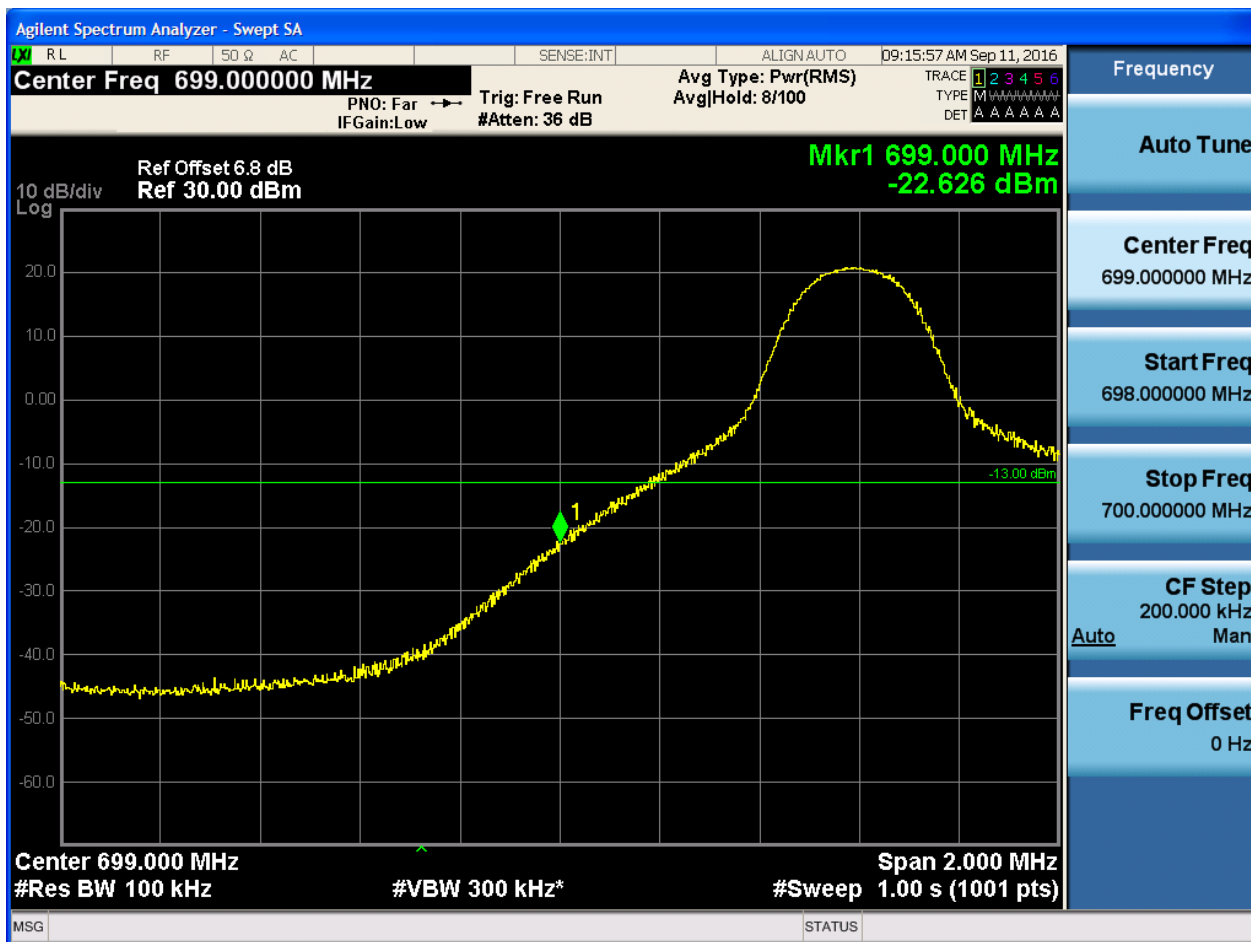




5.1.1.1.4 Test Bandwidth = 10

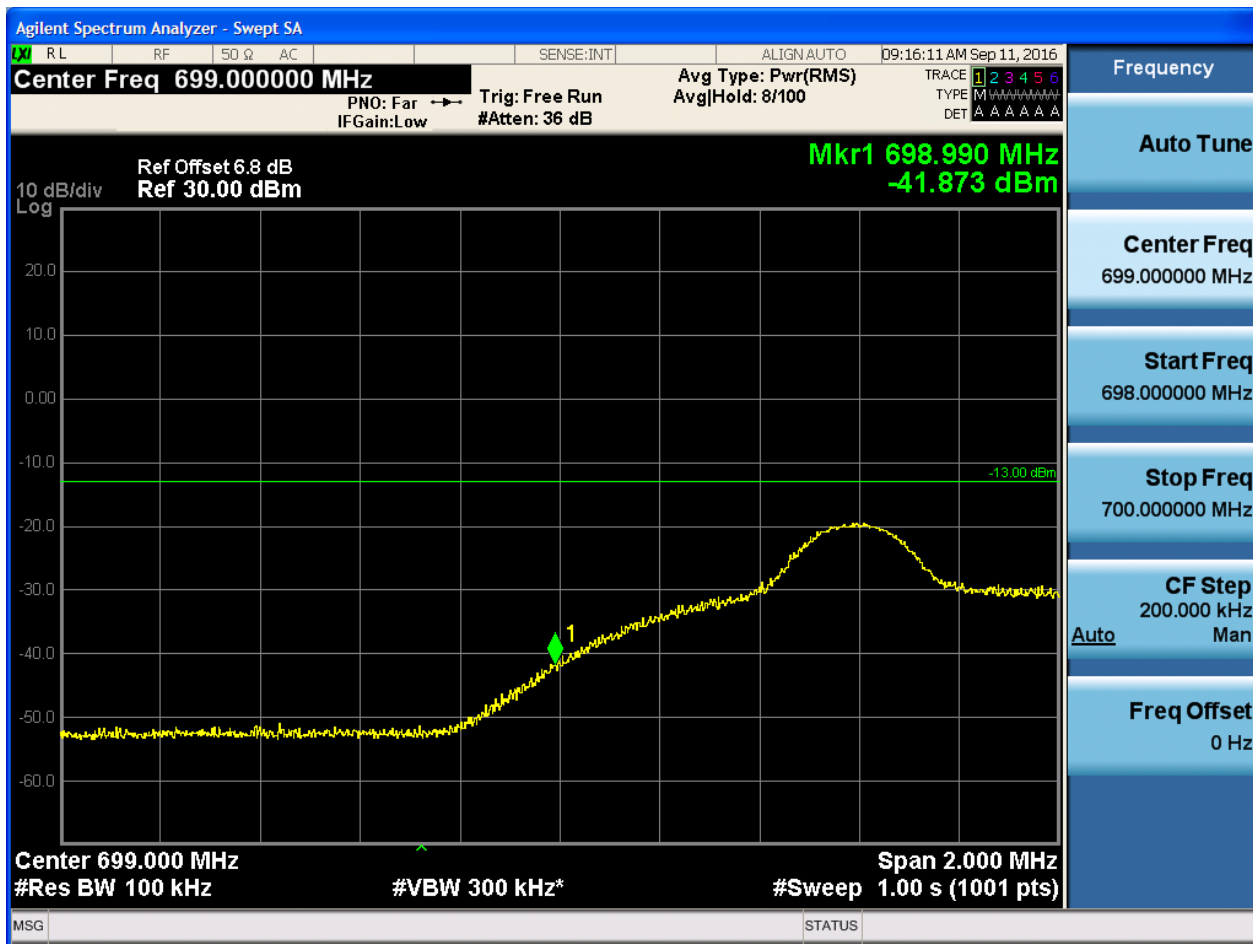
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49



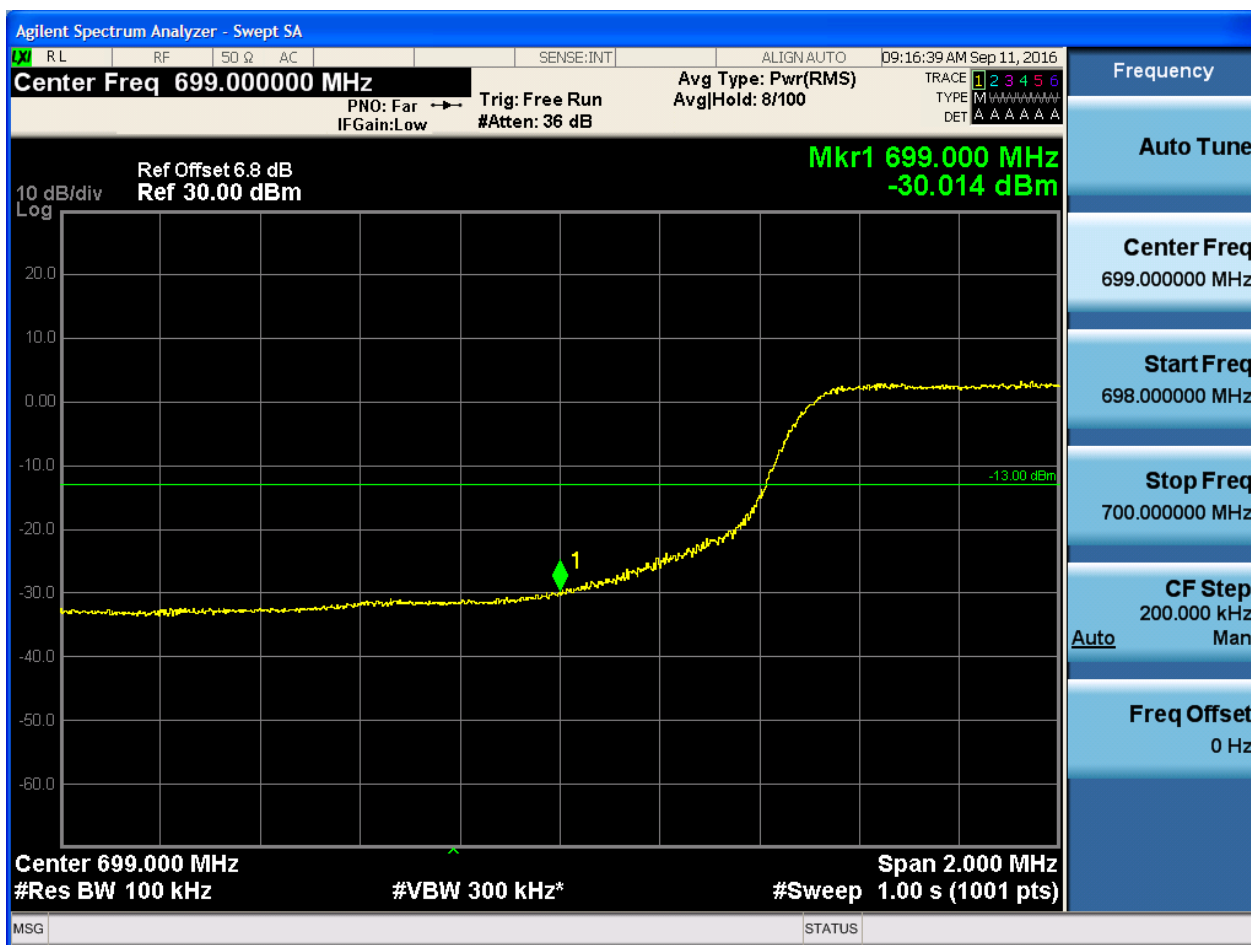


5.1.1.1.4.1.3 Test RB = RB25#13





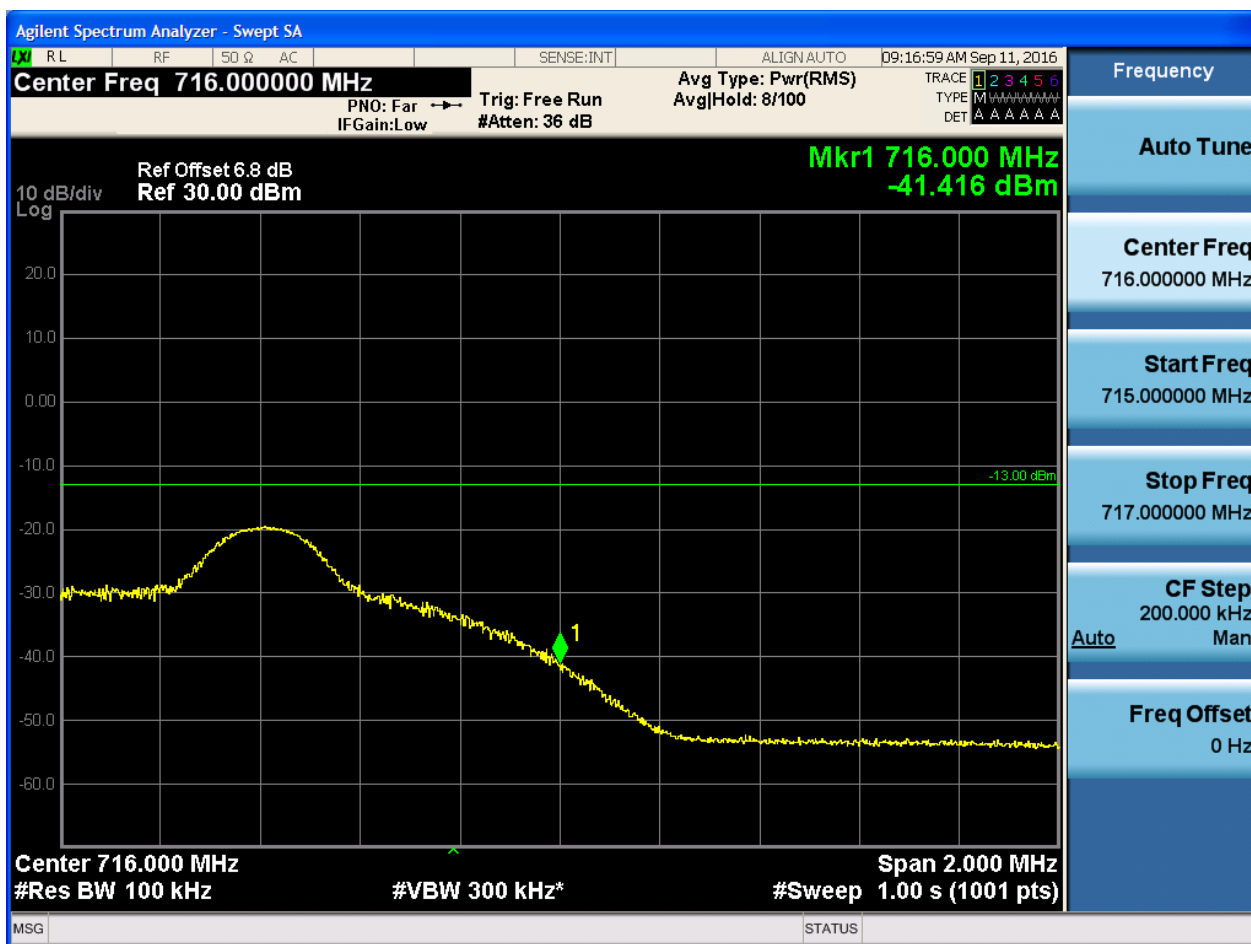
5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 6.8 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.000 MHz
-23.908 dBm

Center 716.000 MHz
#Res BW 100 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0



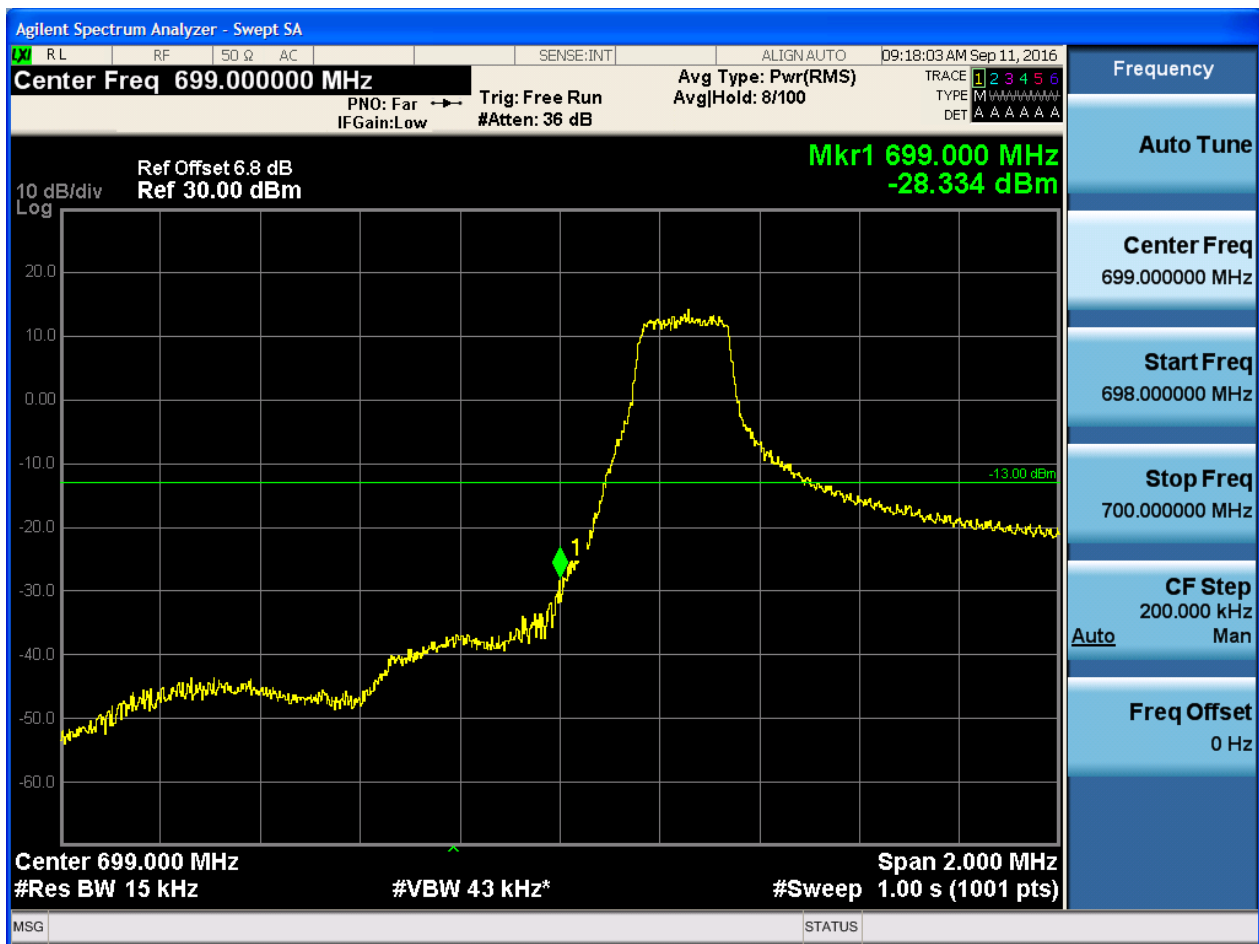


5.1.1.2 Test Mode = LTE/TM2

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



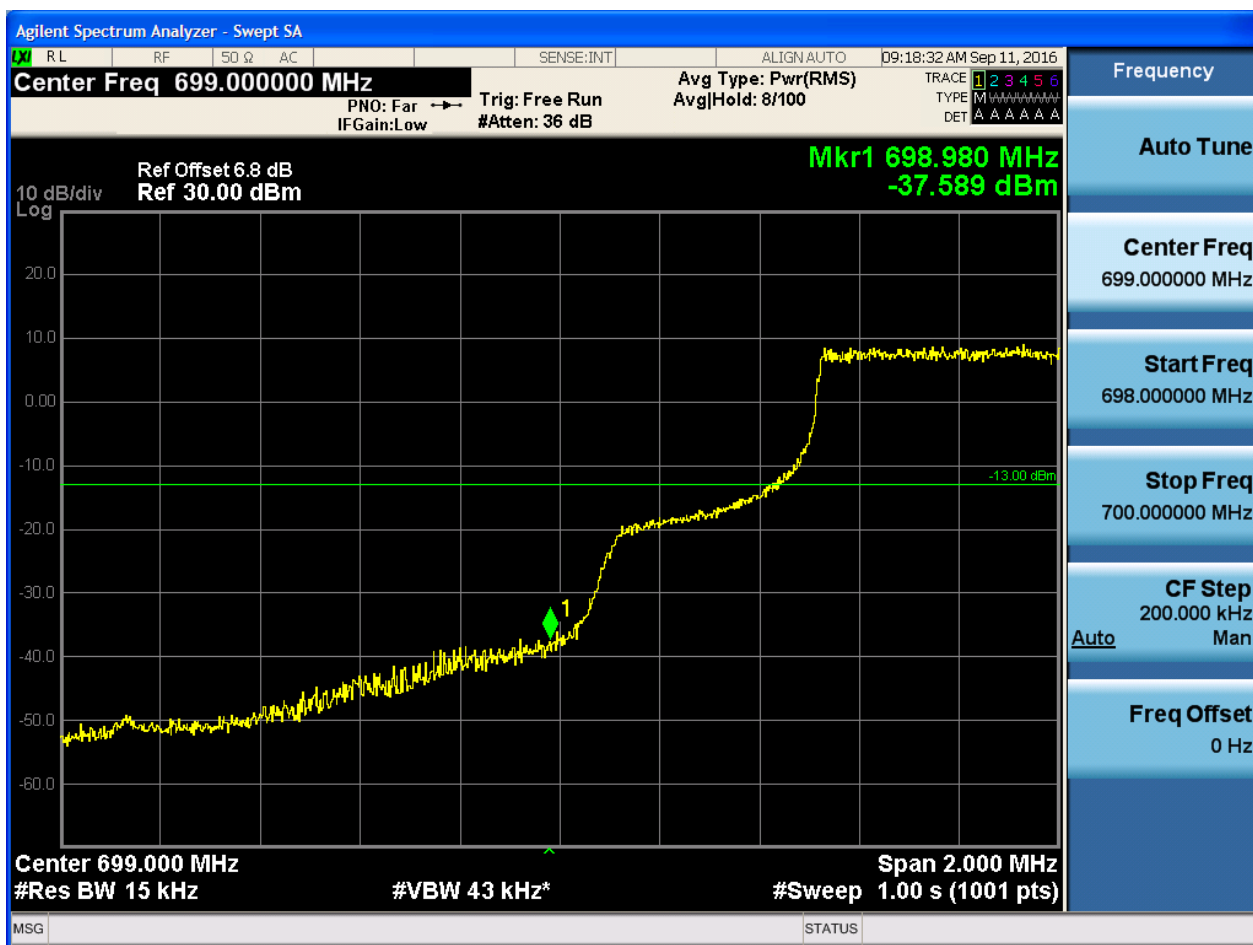


5.1.1.2.1.1.2 Test RB = RB1#5



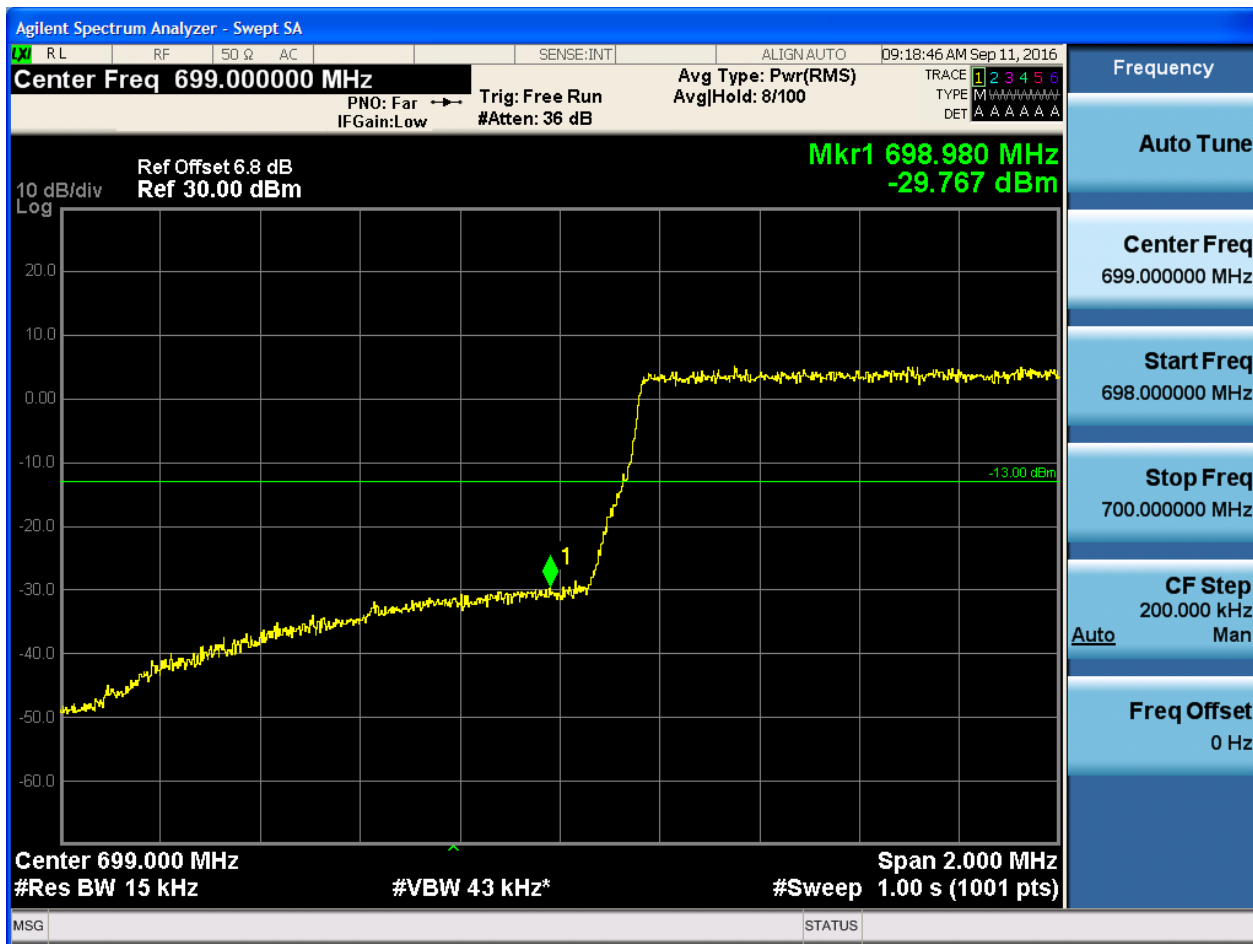


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





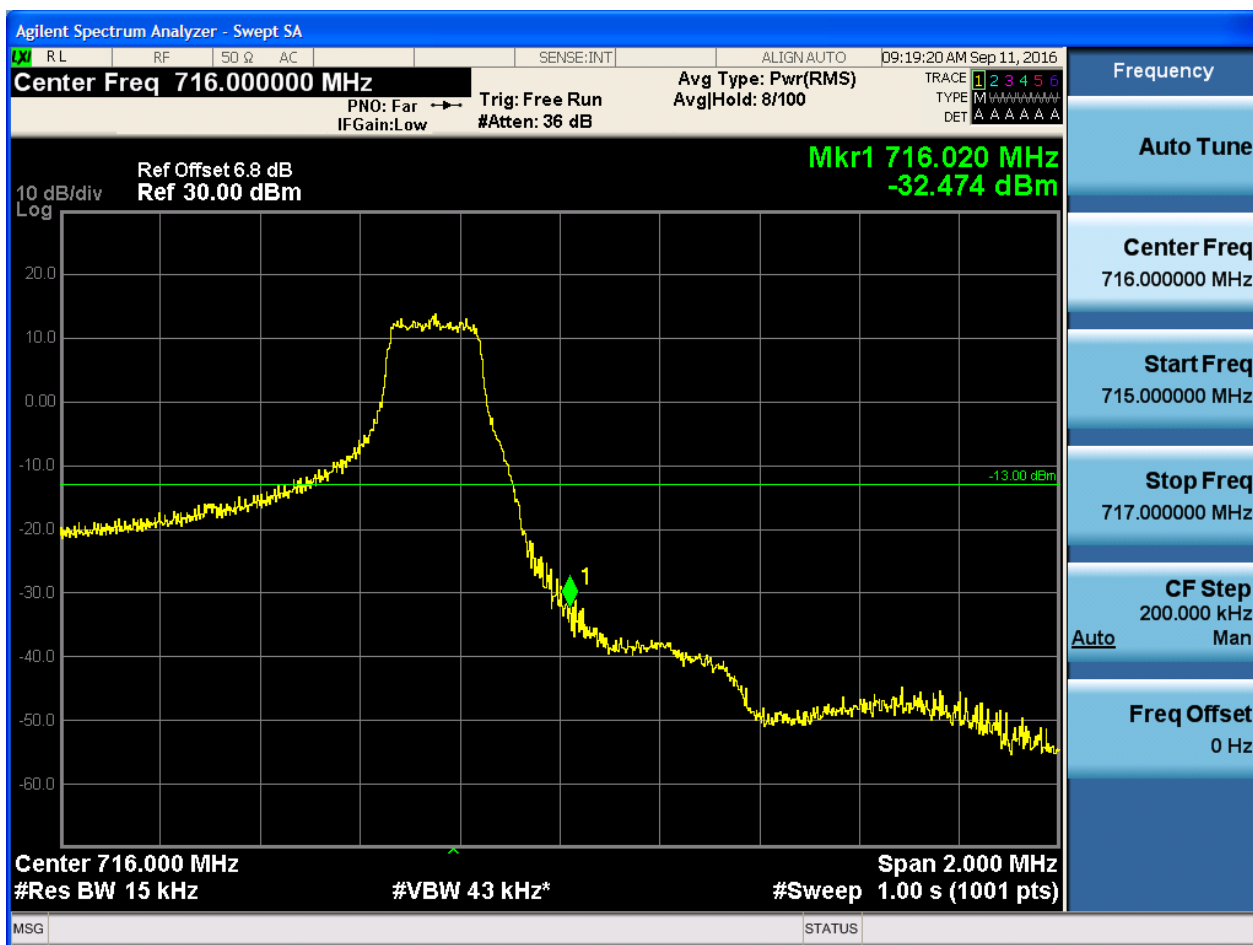
5.1.1.2.1.2 Test Channel = HCH

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO D9:19:49 AM Sep 11, 2016

Center Freq 716.000000 MHz Avg Type: Pwr(RMS) Trace 1 2 3 4 5 6
PNO: Far Trig: Free Run Avg/Hold: 71/100
IFGain: Low #Atten: 36 dB TYPE M A A A A A A
DET A A A A A A

Ref Offset 6.8 dB Mkr1 716.000 MHz
Ref 30.00 dBm -35.002 dBm

10 dB/div Log

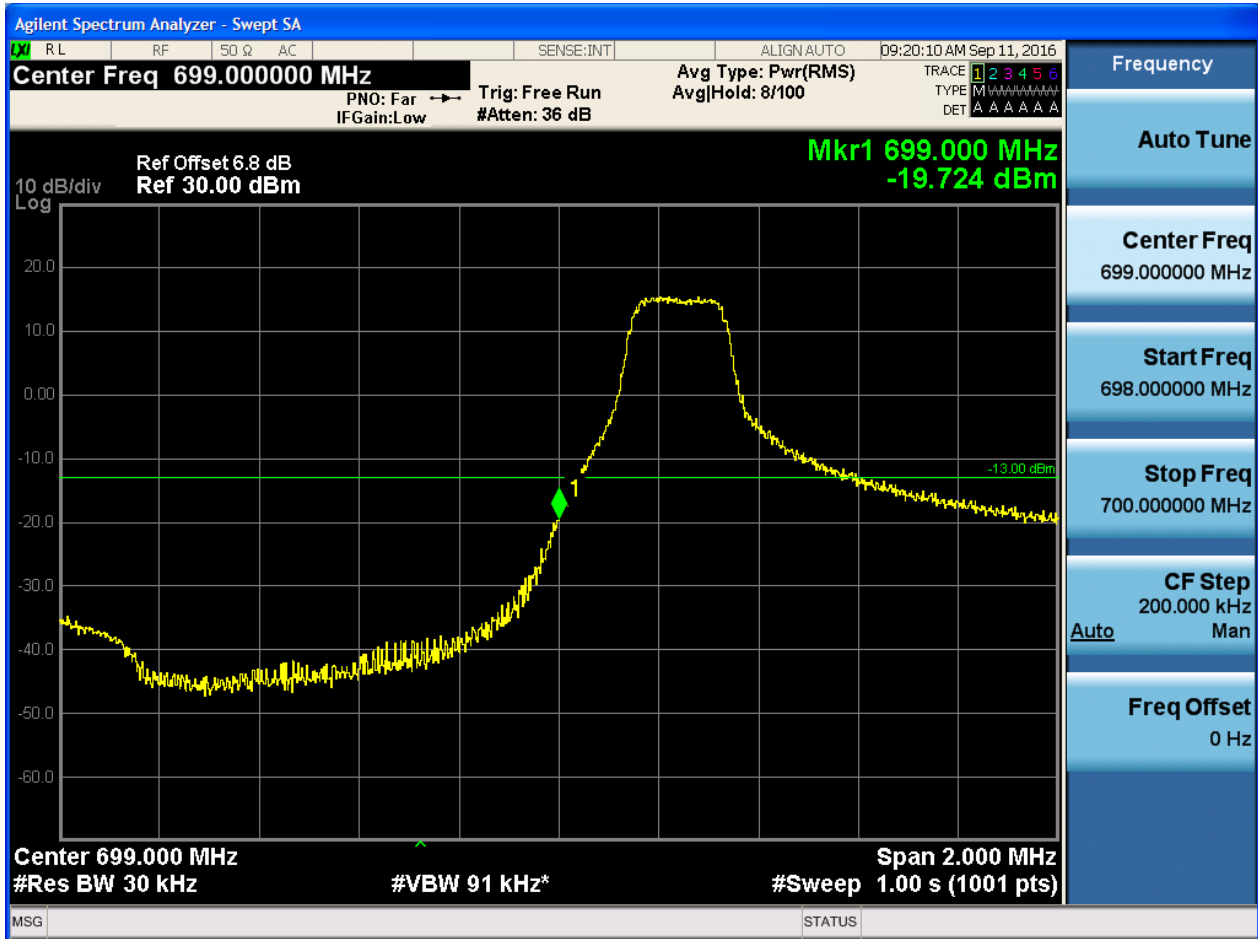
Center Freq 716.000000 MHz
Start Freq 715.000000 MHz
Stop Freq 717.000000 MHz
CF Step 200.000 kHz
Auto Man
Freq Offset 0 Hz

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

MSG Alignment Completed STATUS

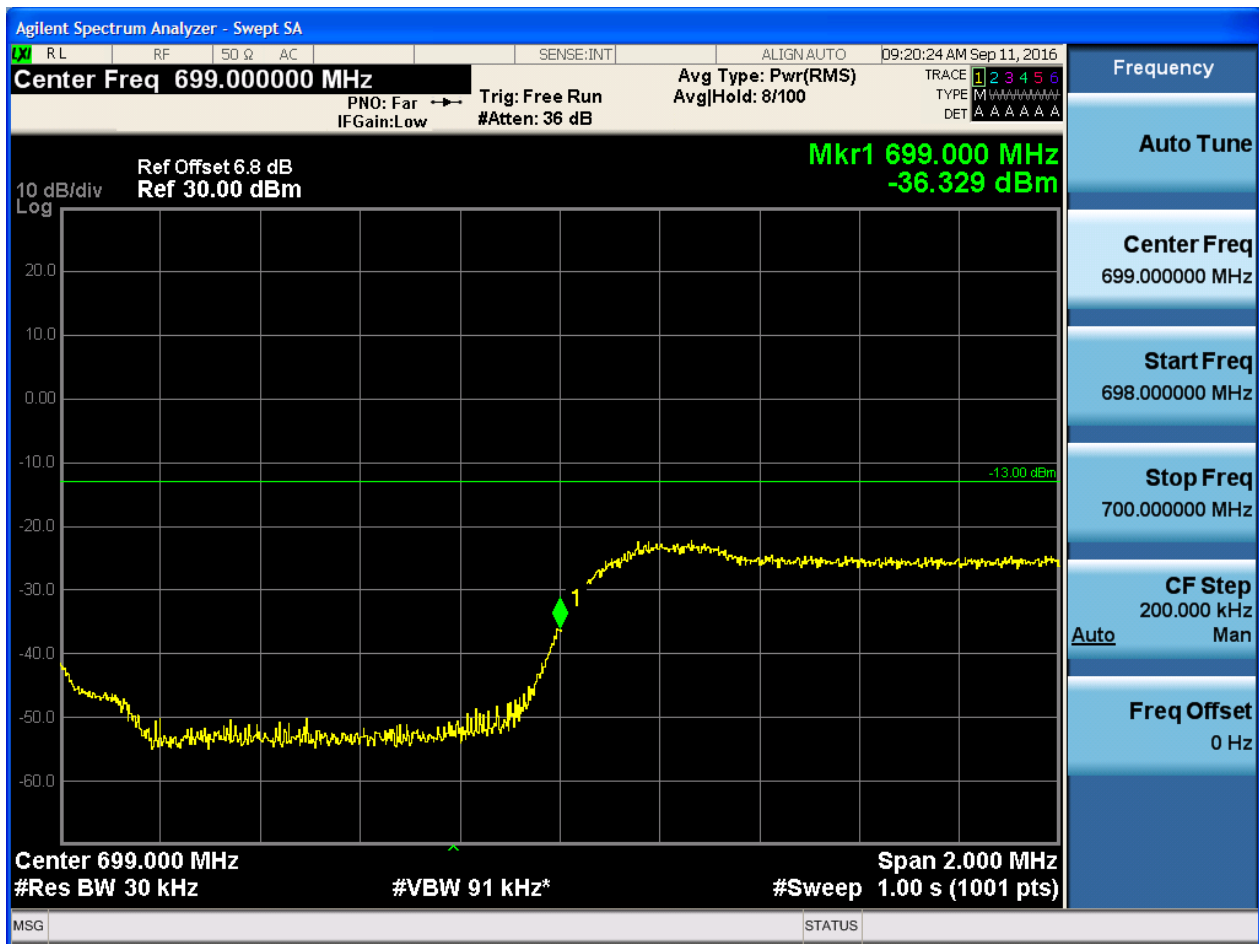


5.1.1.2.2.1.1 Test RB = RB1#0



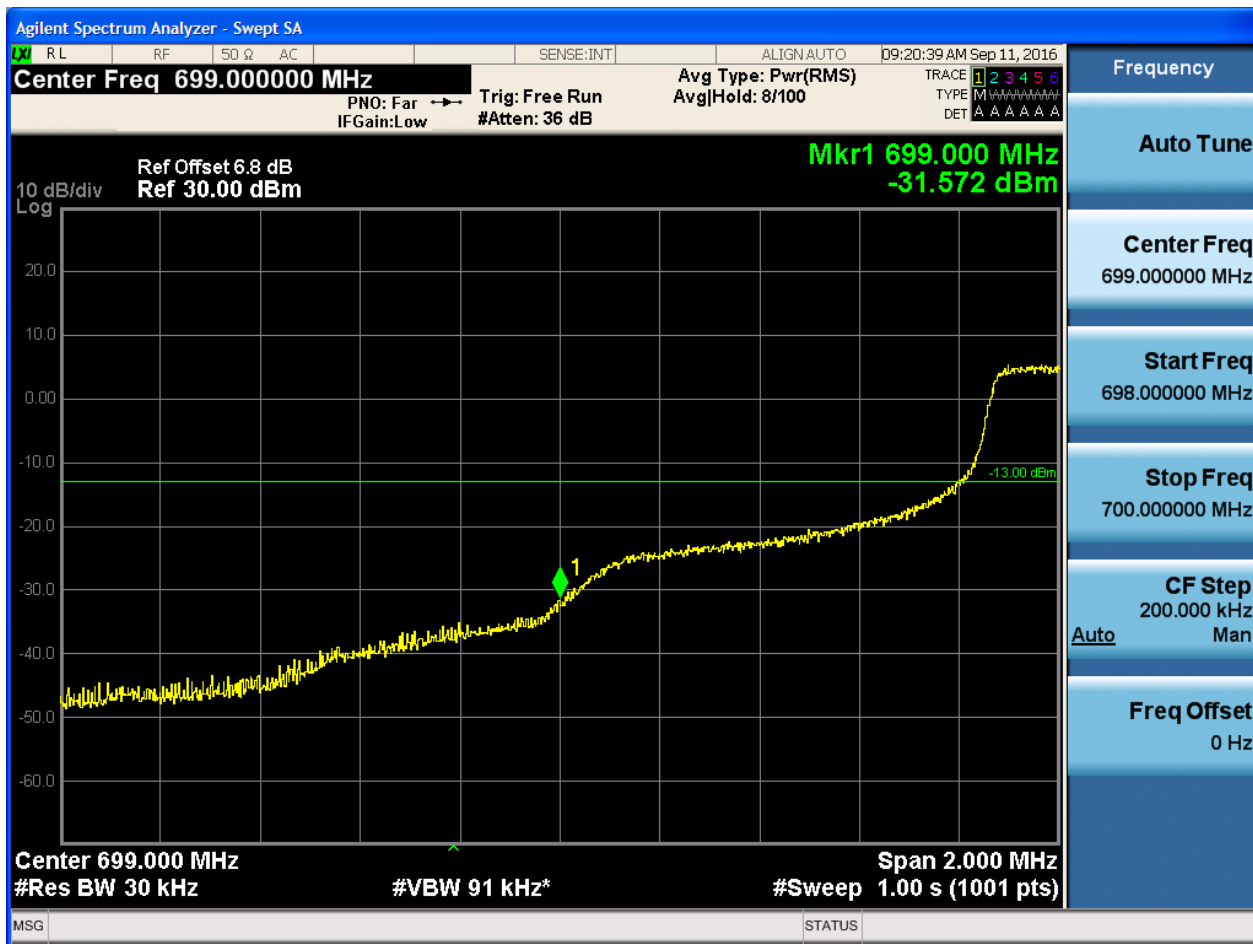


5.1.1.2.2.1.2 Test RB = RB1#14



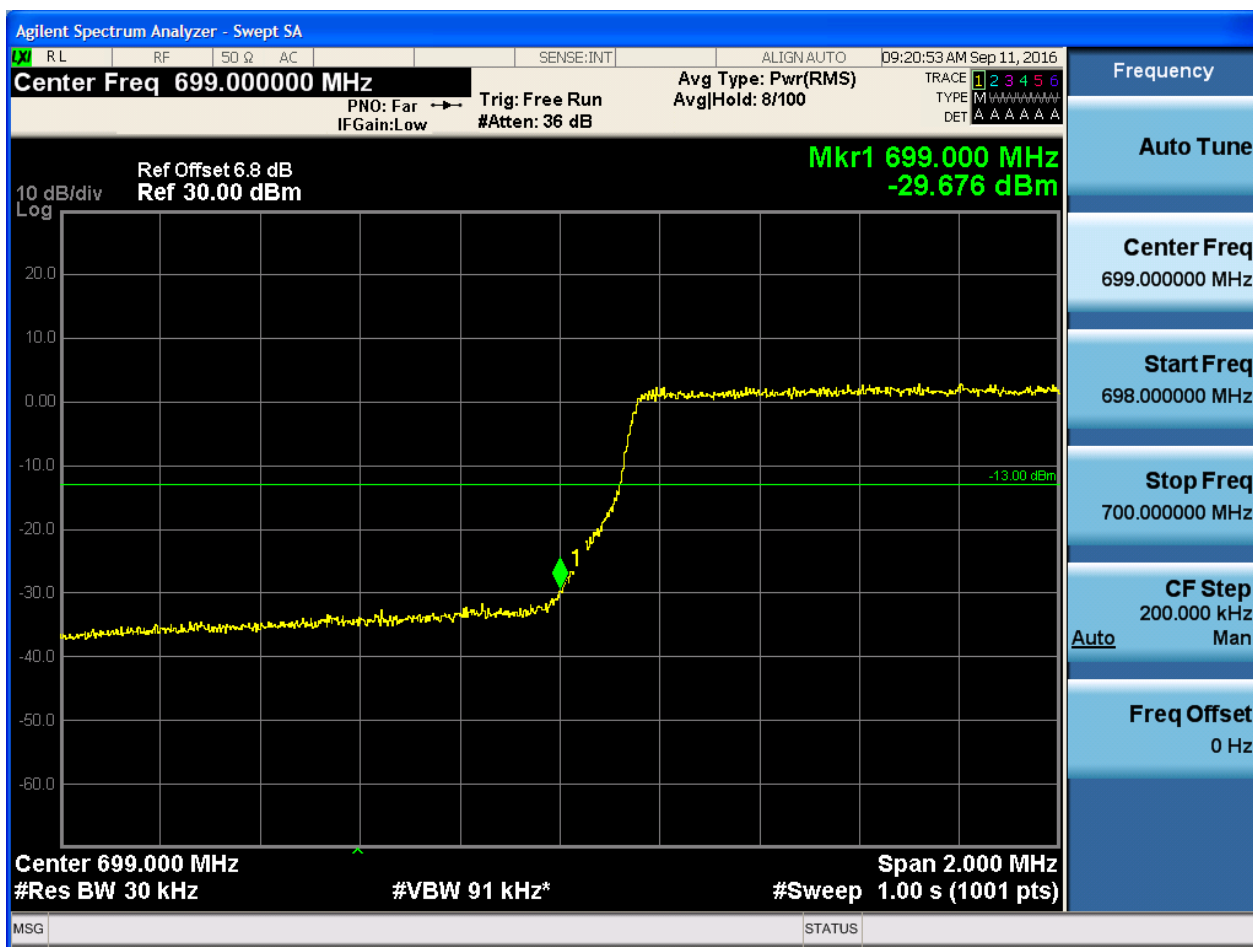


5.1.1.2.2.1.3 Test RB = RB8#4





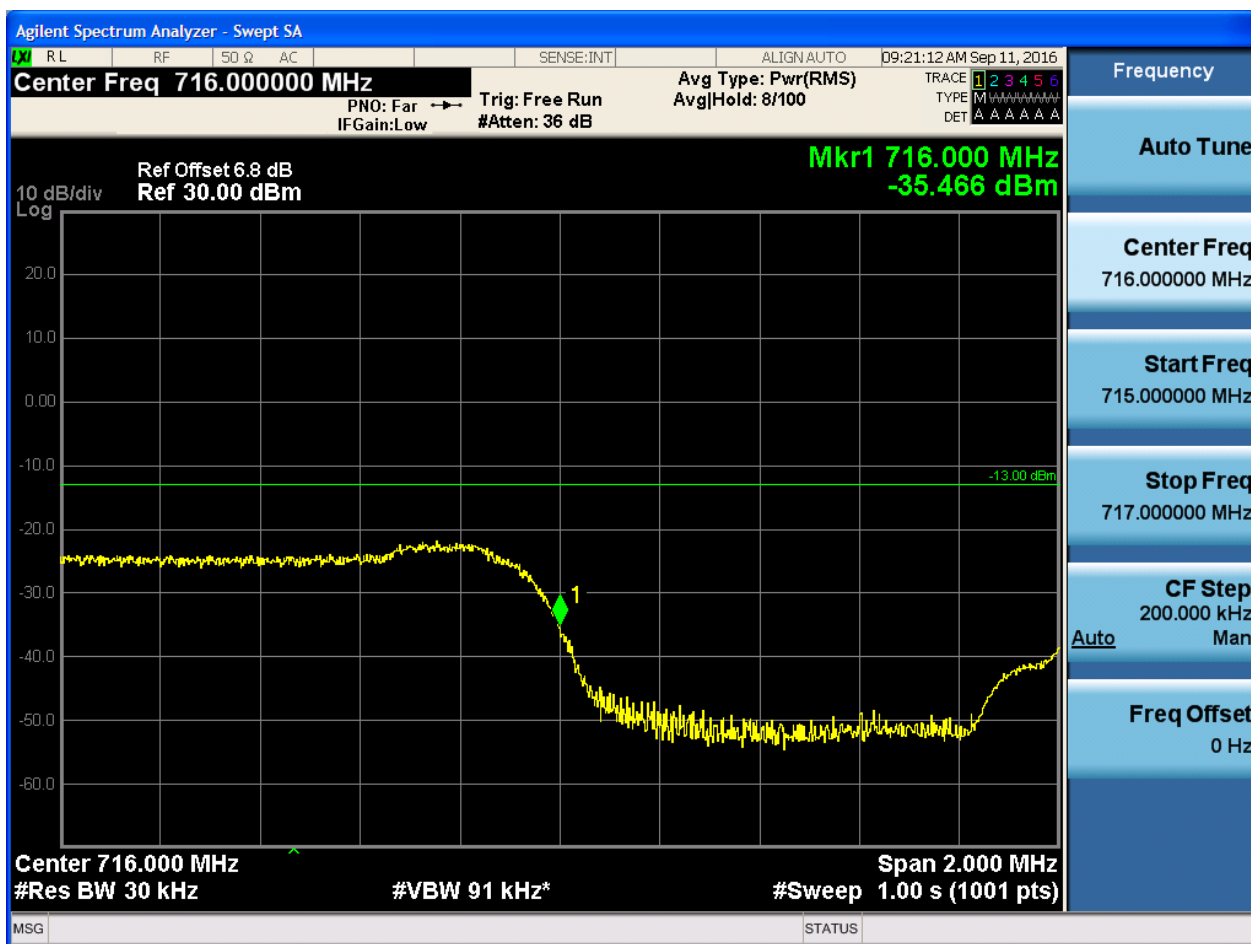
5.1.1.2.2.1.4 Test RB = RB15#0





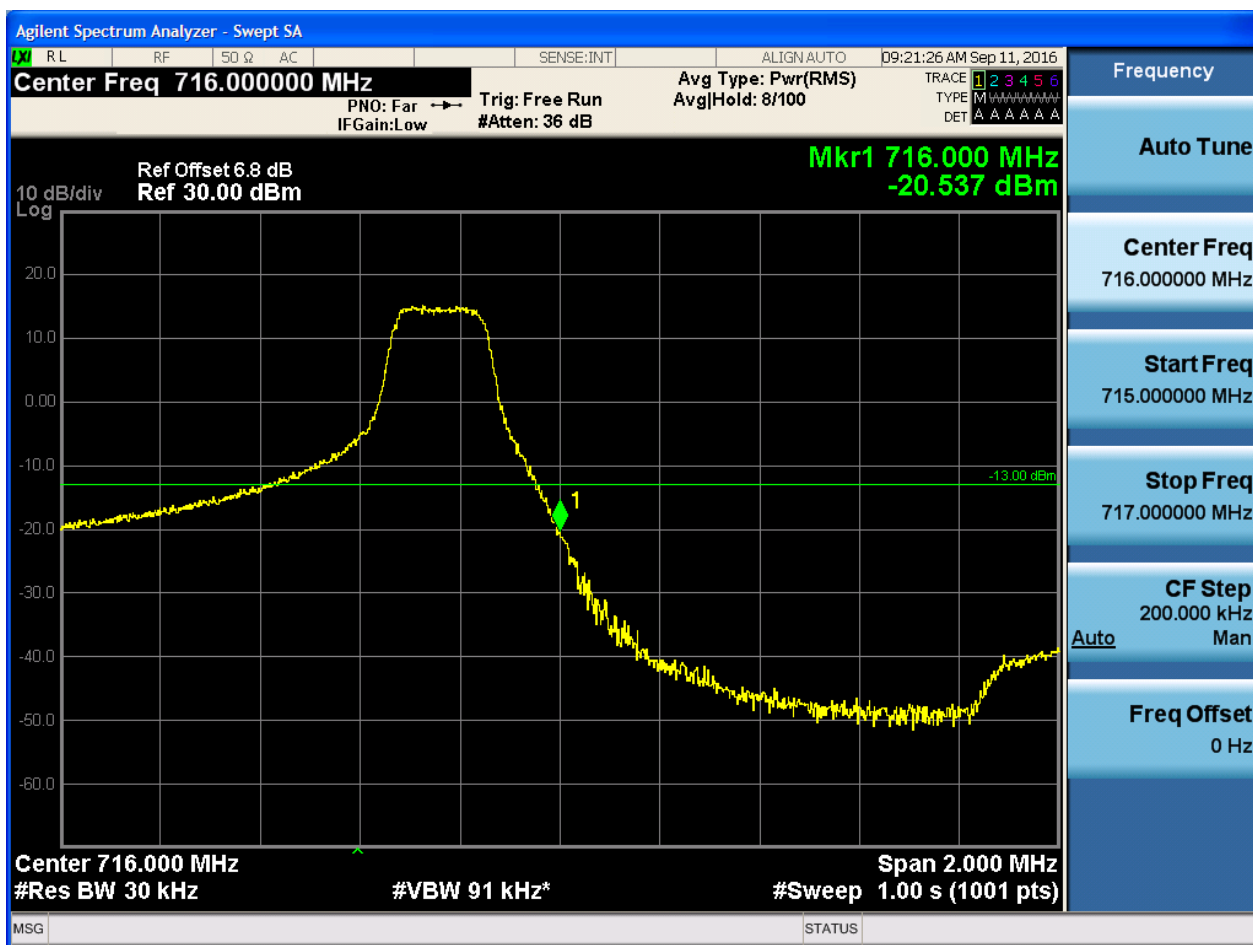
5.1.1.2.2.2 Test Channel = HCH

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

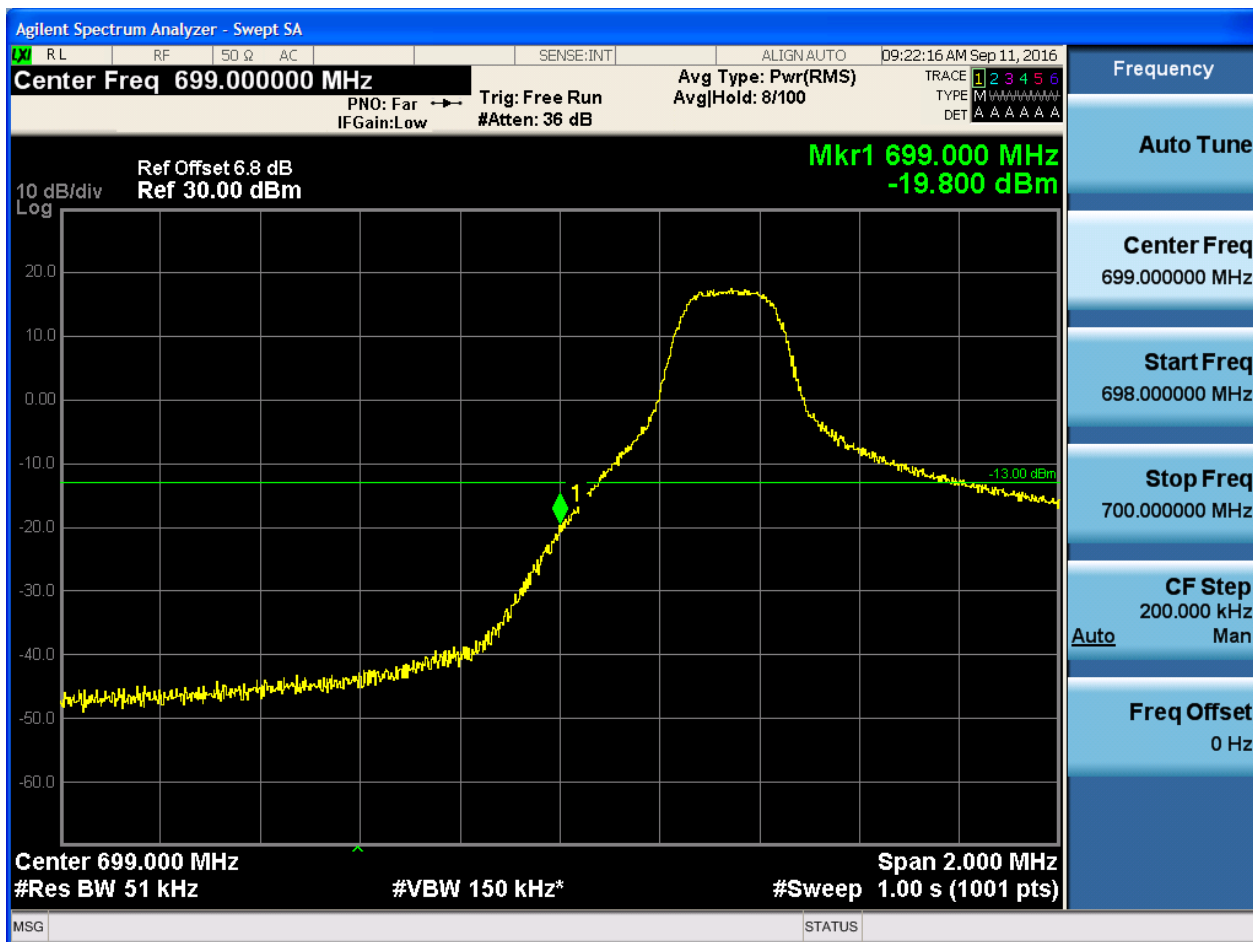




5.1.1.2.3 Test Bandwidth = 5

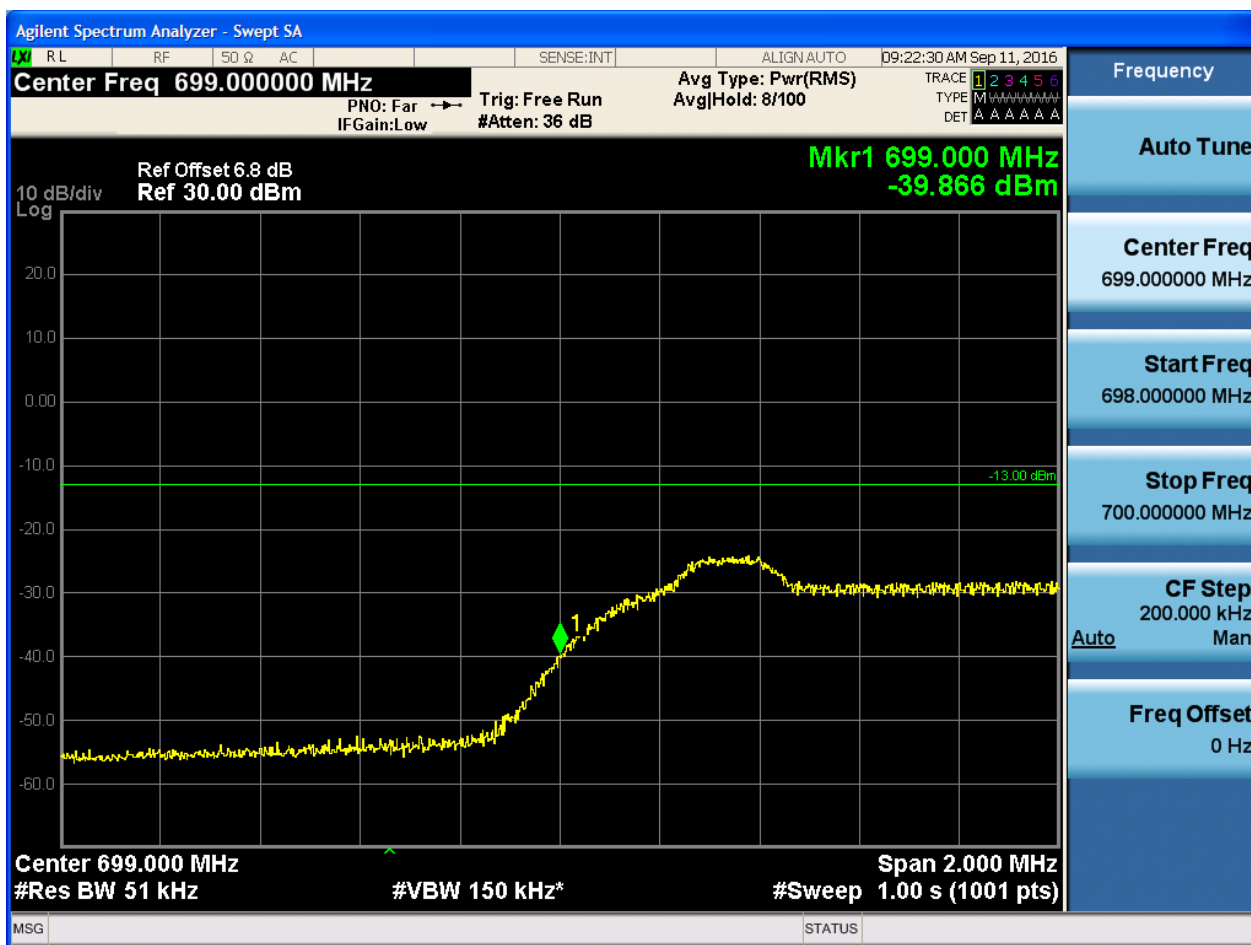
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0



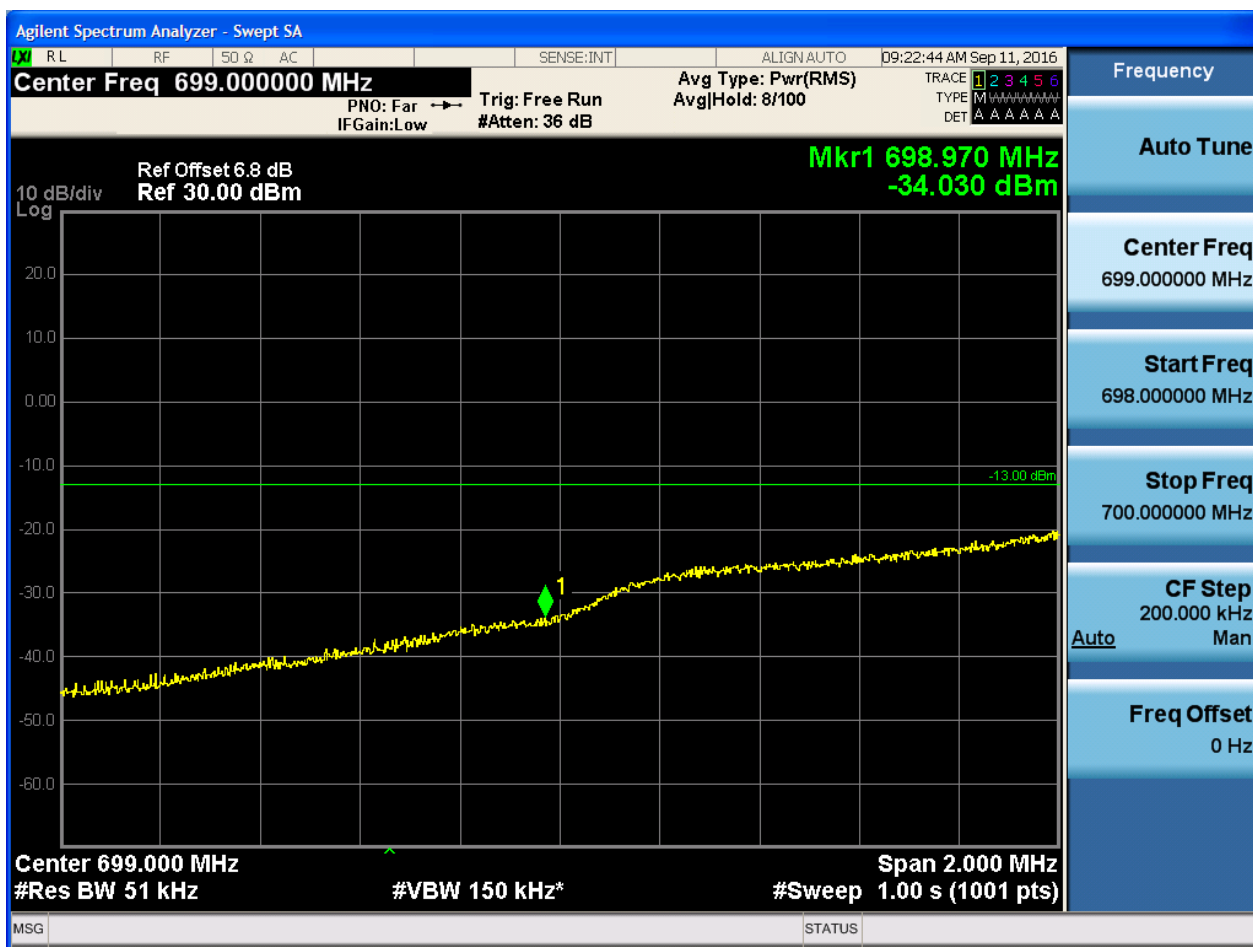


5.1.1.2.3.1.2 Test RB = RB1#24





5.1.1.2.3.1.3 Test RB = RB12#6





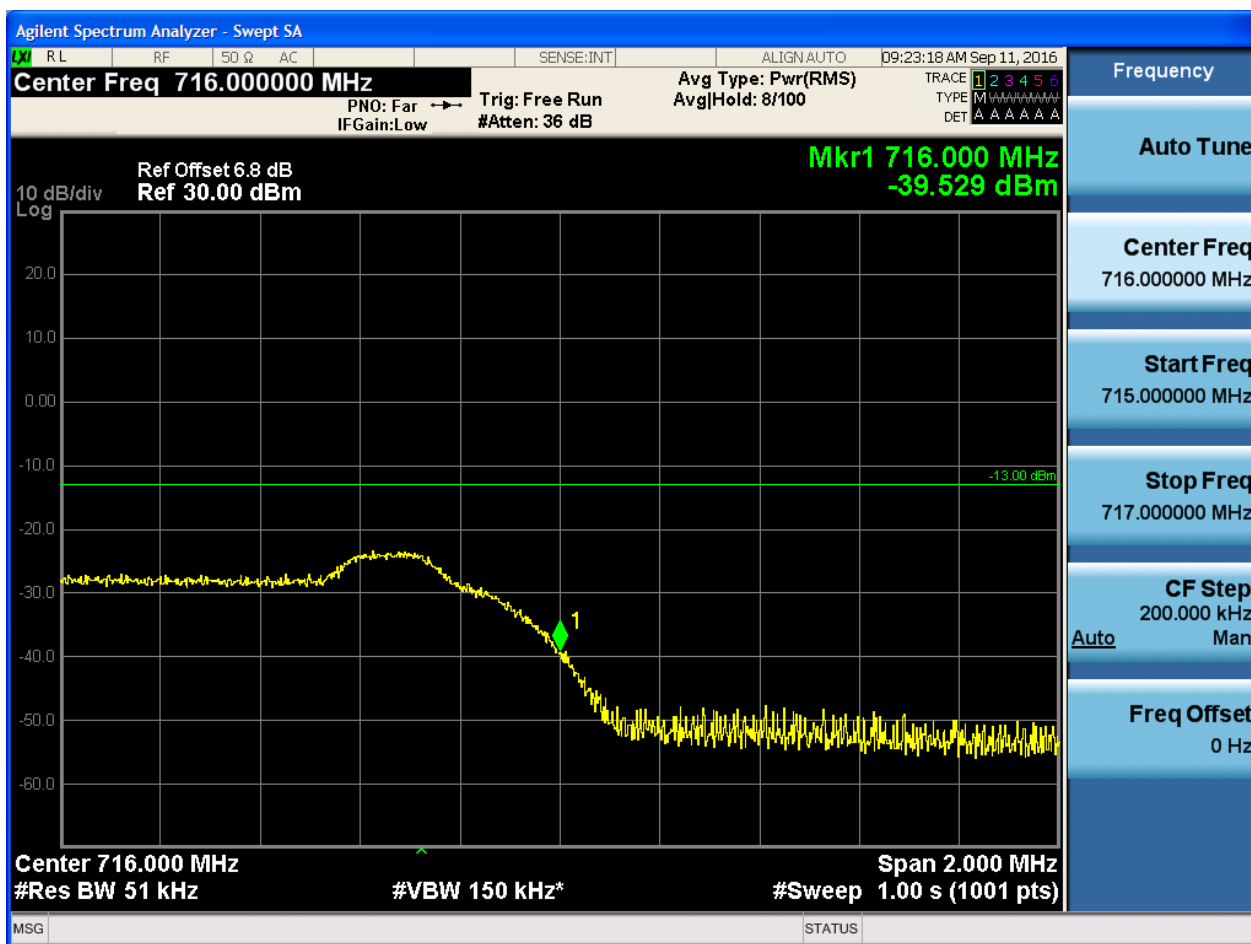
5.1.1.2.3.1.4 Test RB = RB25#0





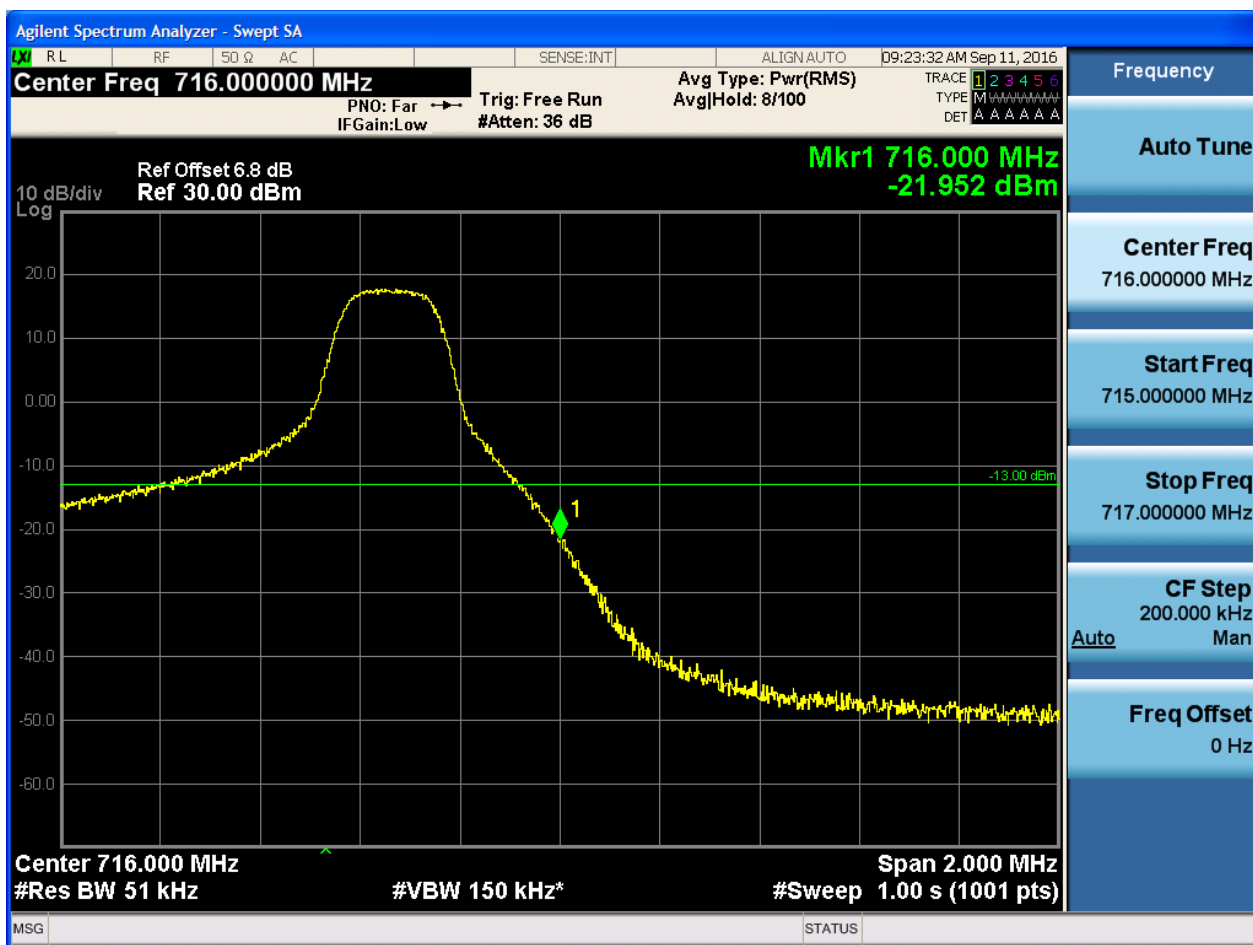
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0



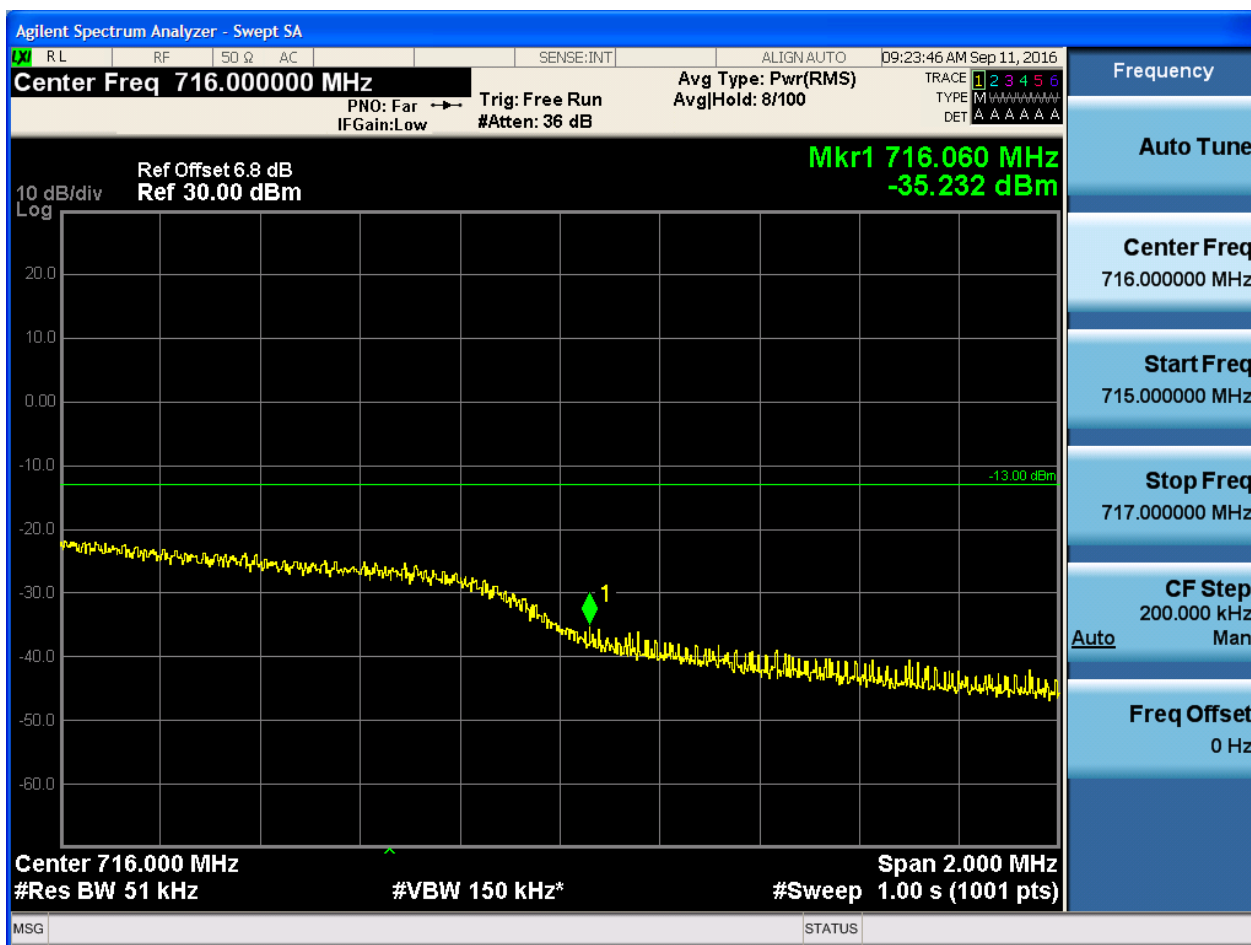


5.1.1.2.3.2.2 Test RB = RB1#24





5.1.1.2.3.2.3 Test RB = RB12#6



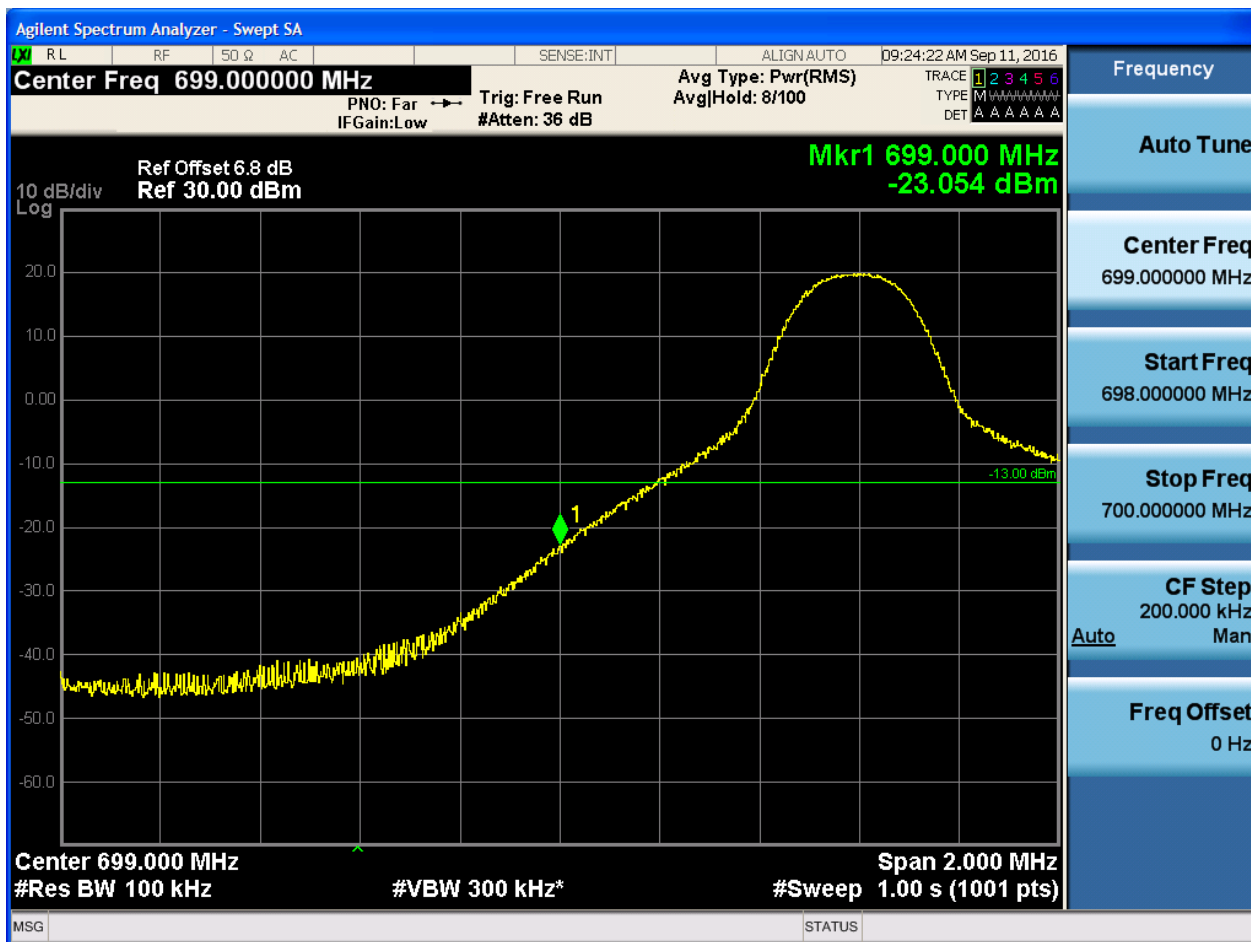
5.1.1.2.3.2.4 Test RB = RB25#0



5.1.1.2.4 Test Bandwidth = 10

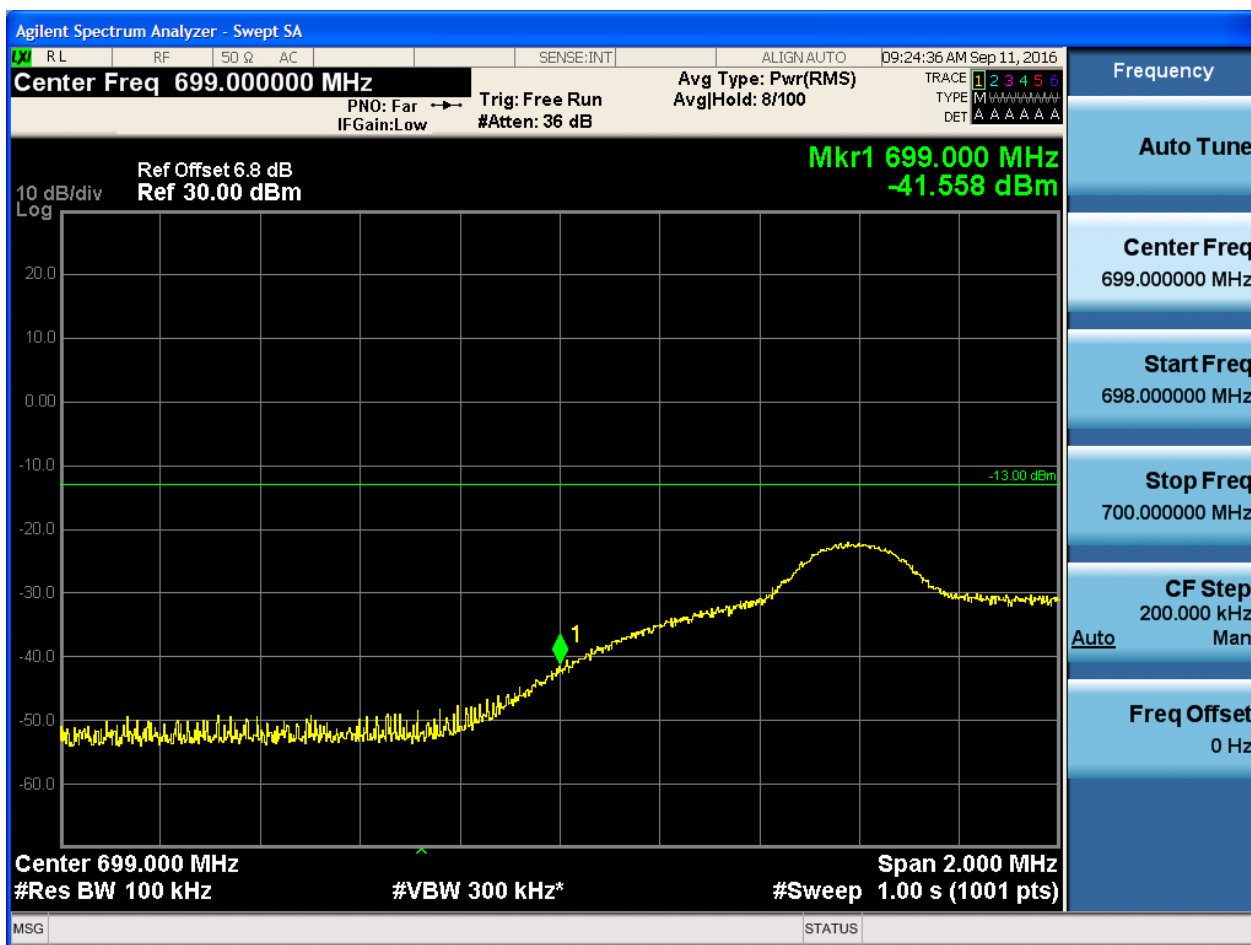
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0



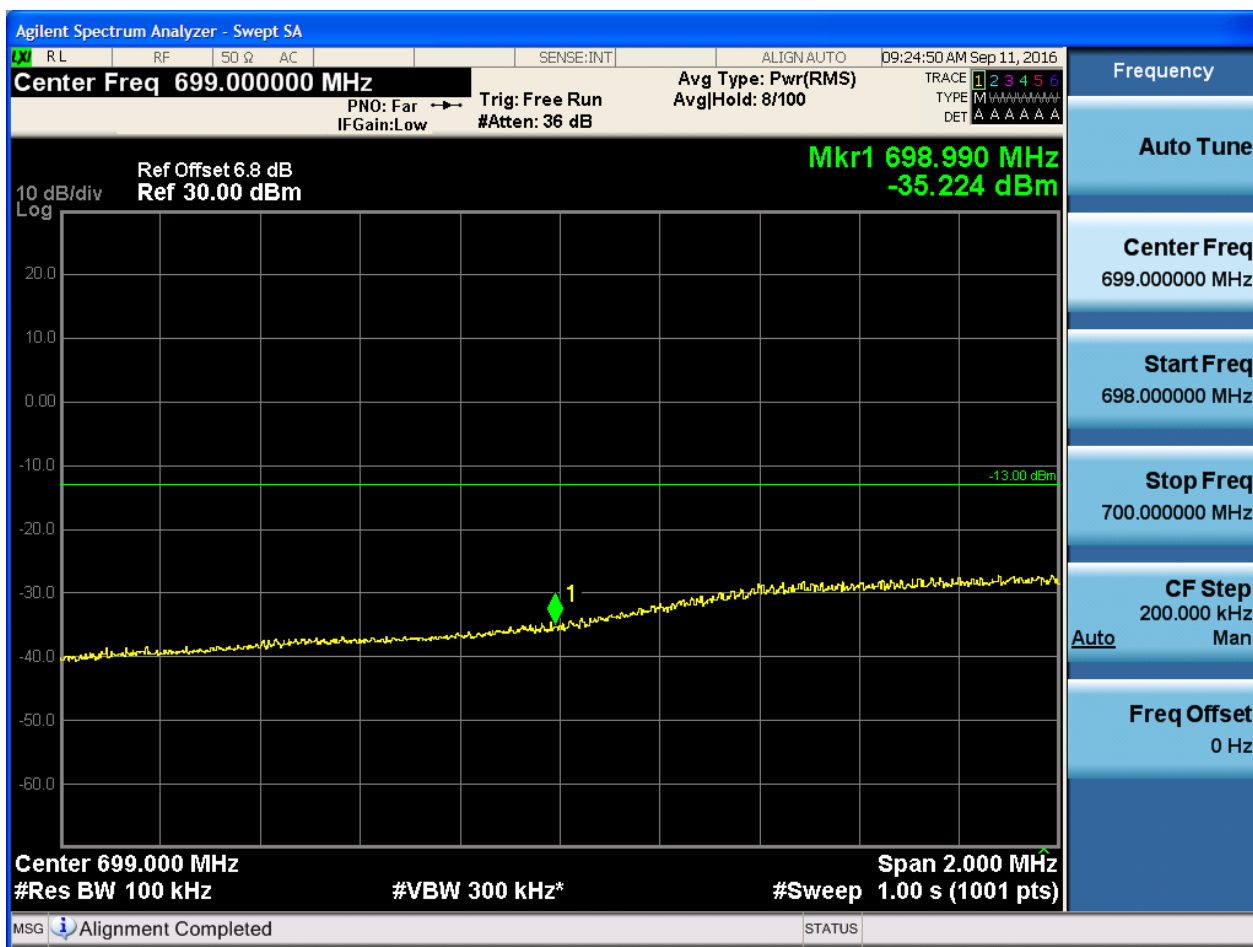


5.1.1.2.4.1.2 Test RB = RB1#49



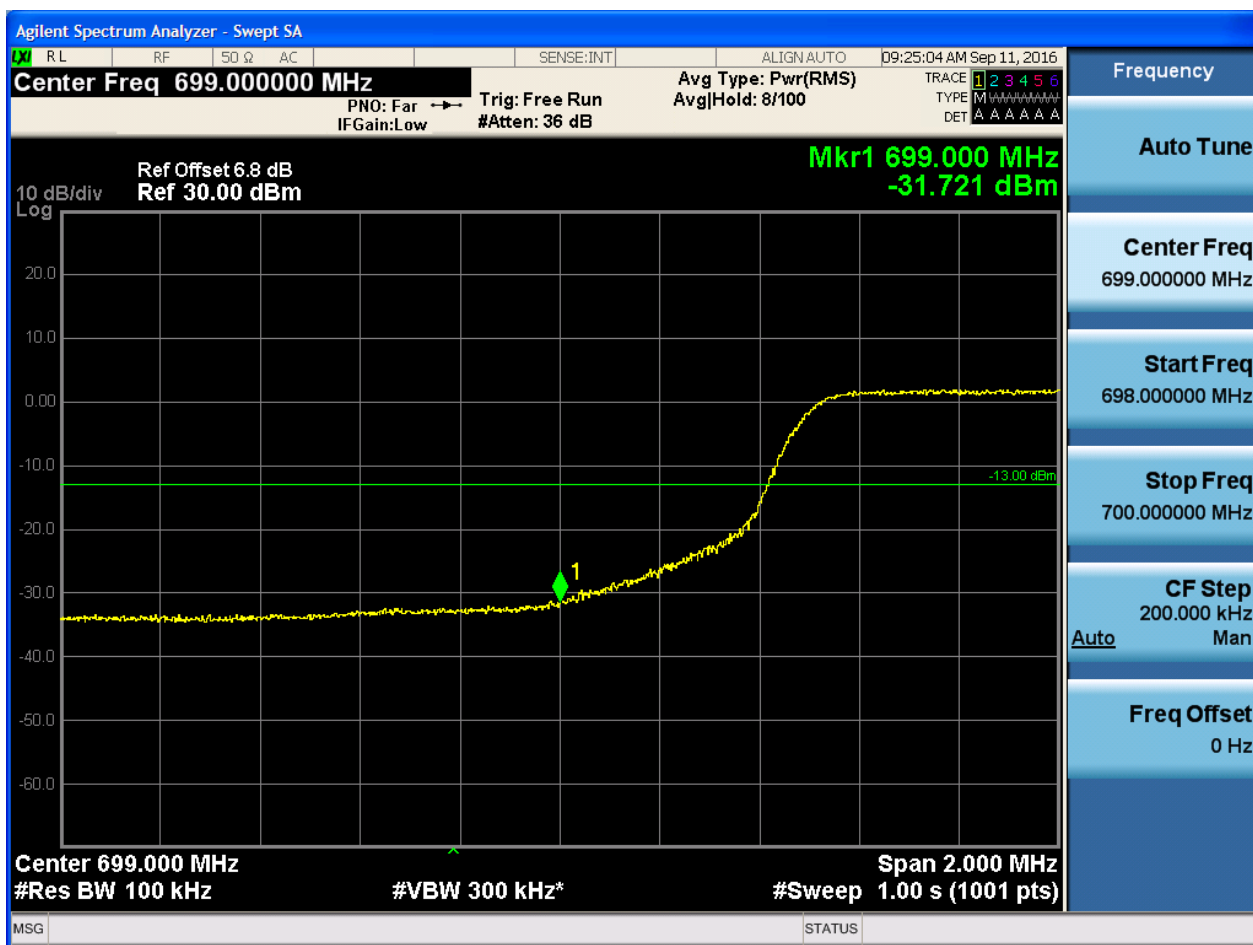


5.1.1.2.4.1.3 Test RB = RB25#13





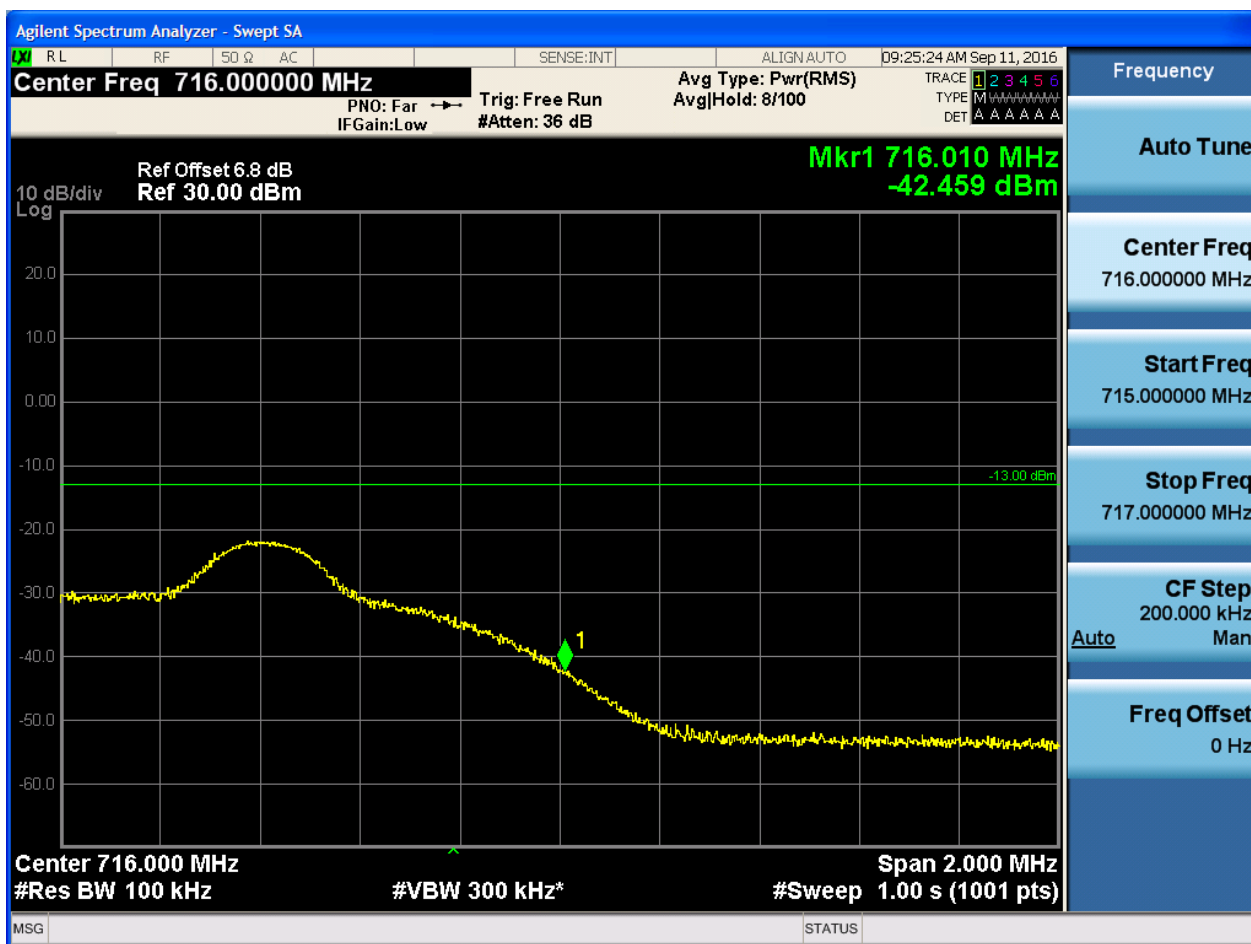
5.1.1.2.4.1.4 Test RB = RB50#0





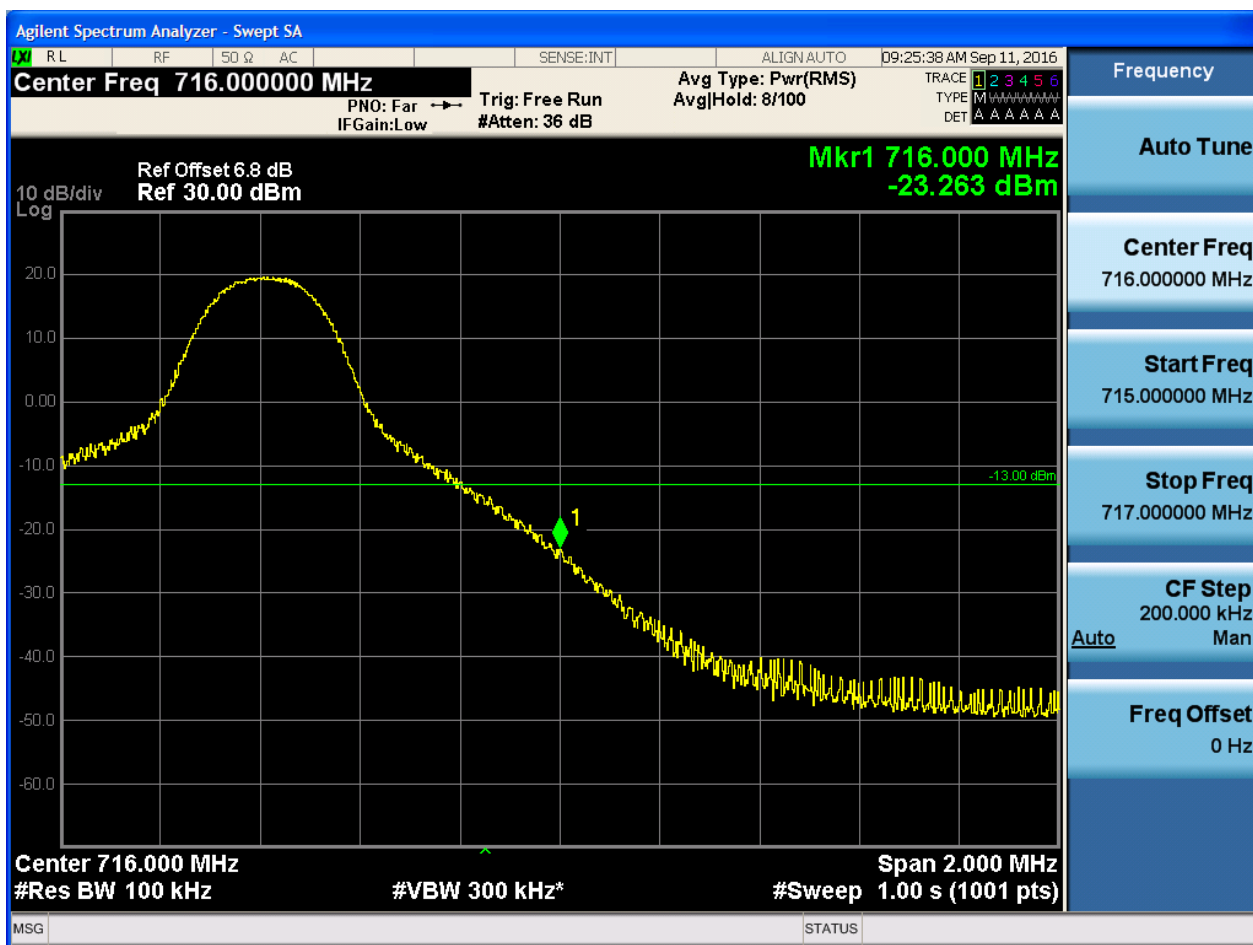
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



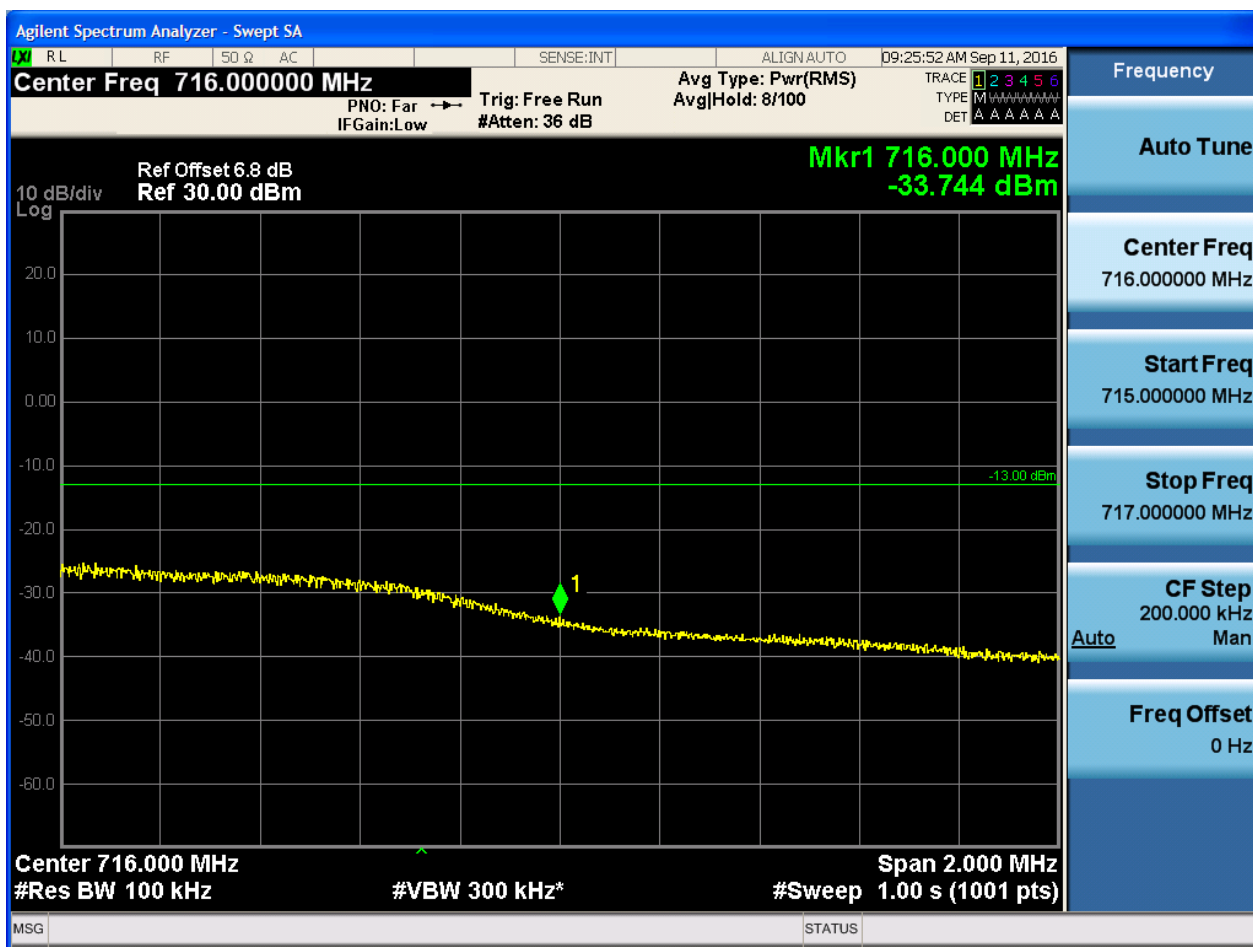


5.1.1.2.4.2.2 Test RB = RB1#49





5.1.1.2.4.2.3 Test RB = RB25#13





5.1.1.2.4.2.4 Test RB = RB50#0



6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = BAND12

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 1.4

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

