



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	22.99	15.89	34.7	PASS
				RB1#3	22.79	15.69	34.7	PASS
				RB1#5	23.04	15.94	34.7	PASS
				RB3#0	22.74	15.64	34.7	PASS
				RB3#2	22.61	15.51	34.7	PASS
				RB3#3	22.79	15.69	34.7	PASS
				RB6#0	21.88	14.78	34.7	PASS
			MCH	RB1#0	23.29	16.19	34.7	PASS
				RB1#3	23.3	16.2	34.7	PASS
				RB1#5	23.27	16.17	34.7	PASS
				RB3#0	23.27	16.17	34.7	PASS
				RB3#2	23.01	15.91	34.7	PASS
				RB3#3	23.15	16.05	34.7	PASS
				RB6#0	22.21	15.11	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.16	16.06	34.7	PASS
				RB1#3	22.76	15.66	34.7	PASS
				RB1#5	23.22	16.12	34.7	PASS
				RB3#0	23.08	15.98	34.7	PASS
				RB3#2	22.65	15.55	34.7	PASS
				RB3#3	23.12	16.02	34.7	PASS
				RB6#0	22.15	15.05	34.7	PASS
		3	LCH	RB1#0	22.89	15.79	34.7	PASS
				RB1#7	22.96	15.86	34.7	PASS
				RB1#14	23	15.9	34.7	PASS
				RB8#0	21.81	14.71	34.7	PASS
				RB8#4	21.81	14.71	34.7	PASS
				RB8#7	21.81	14.71	34.7	PASS
				RB15#0	21.75	14.65	34.7	PASS
			MCH	RB1#0	23.03	15.93	34.7	PASS
				RB1#7	22.37	15.27	34.7	PASS
				RB1#14	23.03	15.93	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.82	14.72	34.7	PASS
				RB8#4	22.07	14.97	34.7	PASS
				RB8#7	21.97	14.87	34.7	PASS
				RB15#0	22.13	15.03	34.7	PASS
			HCH	RB1#0	23.25	16.15	34.7	PASS
				RB1#7	22.62	15.52	34.7	PASS
				RB1#14	23.24	16.14	34.7	PASS
				RB8#0	22.06	14.96	34.7	PASS
				RB8#4	22.04	14.94	34.7	PASS
				RB8#7	22.01	14.91	34.7	PASS
				RB15#0	22.16	15.06	34.7	PASS
		5	LCH	RB1#0	23.03	15.93	34.7	PASS
				RB1#13	23.13	16.03	34.7	PASS
				RB1#24	23.07	15.97	34.7	PASS
				RB12#0	22.16	15.06	34.7	PASS
				RB12#6	22.2	15.1	34.7	PASS
				RB12#13	22.13	15.03	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.1	15	34.7	PASS
			MCH	RB1#0	23.25	16.15	34.7	PASS
				RB1#13	23.3	16.2	34.7	PASS
				RB1#24	23.28	16.18	34.7	PASS
				RB12#0	22.28	15.18	34.7	PASS
				RB12#6	22.32	15.22	34.7	PASS
				RB12#13	22.29	15.19	34.7	PASS
				RB25#0	22.32	15.22	34.7	PASS
			HCH	RB1#0	23.1	16	34.7	PASS
				RB1#13	23.08	15.98	34.7	PASS
				RB1#24	23.13	16.03	34.7	PASS
				RB12#0	22.12	15.02	34.7	PASS
				RB12#6	21.96	14.86	34.7	PASS
				RB12#13	22.07	14.97	34.7	PASS
				RB25#0	22.09	14.99	34.7	PASS
		10	LCH	RB1#0	22.84	15.74	34.7	PASS
				RB1#25	22.59	15.49	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.94	15.84	34.7	PASS
				RB25#0	21.89	14.79	34.7	PASS
				RB25#13	21.89	14.79	34.7	PASS
				RB25#25	21.99	14.89	34.7	PASS
				RB50#0	21.81	14.71	34.7	PASS
			MCH	RB1#0	23.21	16.11	34.7	PASS
				RB1#25	23.05	15.95	34.7	PASS
				RB1#49	23.31	16.21	34.7	PASS
				RB25#0	22.23	15.13	34.7	PASS
				RB25#13	22.27	15.17	34.7	PASS
				RB25#25	22.24	15.14	34.7	PASS
				RB50#0	22.25	15.15	34.7	PASS
			HCH	RB1#0	23.17	16.07	34.7	PASS
				RB1#25	23.14	16.04	34.7	PASS
				RB1#49	23.11	16.01	34.7	PASS
				RB25#0	22.16	15.06	34.7	PASS
				RB25#13	22.15	15.05	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.14	15.04	34.7	PASS
				RB50#0	22.08	14.98	34.7	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.96	14.86	34.7	PASS
				RB1#3	21.85	14.75	34.7	PASS
				RB1#5	21.99	14.89	34.7	PASS
				RB3#0	21.78	14.68	34.7	PASS
				RB3#2	21.79	14.69	34.7	PASS
				RB3#3	21.75	14.65	34.7	PASS
				RB6#0	20.85	13.75	34.7	PASS
			MCH	RB1#0	22.33	15.23	34.7	PASS
				RB1#3	22	14.9	34.7	PASS
				RB1#5	22.4	15.3	34.7	PASS
				RB3#0	22.32	15.22	34.7	PASS
				RB3#2	22.07	14.97	34.7	PASS
				RB3#3	22.29	15.19	34.7	PASS
				RB6#0	21.24	14.14	34.7	PASS
			HCH	RB1#0	22.31	15.21	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#3	22.34	15.24	34.7	PASS
				RB1#5	22.4	15.3	34.7	PASS
				RB3#0	22.18	15.08	34.7	PASS
				RB3#2	21.99	14.89	34.7	PASS
				RB3#3	21.97	14.87	34.7	PASS
				RB6#0	21.07	13.97	34.7	PASS
		3	LCH	RB1#0	21.8	14.7	34.7	PASS
				RB1#7	21.42	14.32	34.7	PASS
				RB1#14	21.85	14.75	34.7	PASS
				RB8#0	20.83	13.73	34.7	PASS
				RB8#4	20.79	13.69	34.7	PASS
				RB8#7	20.88	13.78	34.7	PASS
				RB15#0	20.95	13.85	34.7	PASS
			MCH	RB1#0	22.28	15.18	34.7	PASS
				RB1#7	22.01	14.91	34.7	PASS
				RB1#14	22.23	15.13	34.7	PASS
				RB8#0	21.2	14.1	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#4	20.97	13.87	34.7	PASS
				RB8#7	21.15	14.05	34.7	PASS
				RB15#0	21.02	13.92	34.7	PASS
			HCH	RB1#0	22.31	15.21	34.7	PASS
				RB1#7	21.46	14.36	34.7	PASS
				RB1#14	22.37	15.27	34.7	PASS
				RB8#0	21.04	13.94	34.7	PASS
				RB8#4	21.06	13.96	34.7	PASS
				RB8#7	20.95	13.85	34.7	PASS
				RB15#0	21.07	13.97	34.7	PASS
		5	LCH	RB1#0	22.06	14.96	34.7	PASS
				RB1#13	22.16	15.06	34.7	PASS
				RB1#24	22.12	15.02	34.7	PASS
				RB12#0	21.05	13.95	34.7	PASS
				RB12#6	20.88	13.78	34.7	PASS
				RB12#13	21.04	13.94	34.7	PASS
				RB25#0	20.94	13.84	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.21	15.11	34.7	PASS
				RB1#13	22.31	15.21	34.7	PASS
				RB1#24	22.28	15.18	34.7	PASS
				RB12#0	21.01	13.91	34.7	PASS
				RB12#6	20.98	13.88	34.7	PASS
				RB12#13	21.07	13.97	34.7	PASS
				RB25#0	20.98	13.88	34.7	PASS
			HCH	RB1#0	22.55	15.45	34.7	PASS
				RB1#13	22.55	15.45	34.7	PASS
				RB1#24	22.57	15.47	34.7	PASS
				RB12#0	21.16	14.06	34.7	PASS
				RB12#6	20.96	13.86	34.7	PASS
				RB12#13	21.12	14.02	34.7	PASS
				RB25#0	21.09	13.99	34.7	PASS
		10	LCH	RB1#0	22.04	14.94	34.7	PASS
				RB1#25	22.02	14.92	34.7	PASS
				RB1#49	22.13	15.03	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.8	13.7	34.7	PASS
				RB25#13	20.74	13.64	34.7	PASS
				RB25#25	20.88	13.78	34.7	PASS
				RB50#0	20.85	13.75	34.7	PASS
			MCH	RB1#0	22.12	15.02	34.7	PASS
				RB1#25	21.98	14.88	34.7	PASS
				RB1#49	22.04	14.94	34.7	PASS
				RB25#0	21.12	14.02	34.7	PASS
				RB25#13	21.16	14.06	34.7	PASS
				RB25#25	21.13	14.03	34.7	PASS
				RB50#0	21.1	14	34.7	PASS
			HCH	RB1#0	22.23	15.13	34.7	PASS
				RB1#25	22.17	15.07	34.7	PASS
				RB1#49	22.24	15.14	34.7	PASS
				RB25#0	21.08	13.98	34.7	PASS
				RB25#13	21.08	13.98	34.7	PASS
				RB25#25	21.14	14.04	34.7	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.11	14.01	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:

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

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

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

$$\text{SET Sweep time} = \text{auto-couple.}$$

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	3.67	13	PASS
				RB1#3	4.13	13	PASS
				RB1#5	3.95	13	PASS
				RB3#0	4.25	13	PASS
				RB3#2	4.48	13	PASS
				RB3#3	4.41	13	PASS
				RB6#0	5.48	13	PASS
			MCH	RB1#0	3.71	13	PASS
				RB1#3	3.91	13	PASS
				RB1#5	3.64	13	PASS
				RB3#0	4.15	13	PASS
				RB3#2	4.19	13	PASS
				RB3#3	4.03	13	PASS
				RB6#0	5.54	13	PASS
			HCH	RB1#0	4.02	13	PASS
				RB1#3	3.96	13	PASS
				RB1#5	3.49	13	PASS
				RB3#0	4.43	13	PASS
				RB3#2	4.22	13	PASS
				RB3#3	4.05	13	PASS
				RB6#0	5.35	13	PASS
		3	LCH	RB1#0	3.75	13	PASS
				RB1#7	4.27	13	PASS
				RB1#14	4.28	13	PASS
				RB8#0	5.2	13	PASS
				RB8#4	5.3	13	PASS
				RB8#7	5.37	13	PASS
				RB15#0	5.44	13	PASS
			MCH	RB1#0	3.62	13	PASS
				RB1#7	3.76	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	3.55	13	PASS
				RB8#0	5.04	13	PASS
				RB8#4	5.01	13	PASS
				RB8#7	5.06	13	PASS
				RB15#0	5.48	13	PASS
			HCH	RB1#0	3.96	13	PASS
				RB1#7	4.43	13	PASS
				RB1#14	3.68	13	PASS
				RB8#0	5.26	13	PASS
				RB8#4	5.15	13	PASS
				RB8#7	5.08	13	PASS
				RB15#0	5.2	13	PASS
		5	LCH	RB1#0	3.9	13	PASS
				RB1#13	4.21	13	PASS
				RB1#24	4.05	13	PASS
				RB12#0	5.22	13	PASS
				RB12#6	5.26	13	PASS
				RB12#13	5.24	13	PASS
				RB25#0	5.68	13	PASS
			MCH	RB1#0	3.97	13	PASS
				RB1#13	3.68	13	PASS
				RB1#24	3.72	13	PASS
				RB12#0	4.88	13	PASS
				RB12#6	4.73	13	PASS
				RB12#13	4.9	13	PASS
				RB25#0	5.53	13	PASS
			HCH	RB1#0	3.71	13	PASS
				RB1#13	4.01	13	PASS
				RB1#24	3.63	13	PASS
				RB12#0	4.84	13	PASS
				RB12#6	5.04	13	PASS
				RB12#13	5.15	13	PASS
				RB25#0	5.39	13	PASS
		10	LCH	RB1#0	3.9	13	PASS
				RB1#25	4.19	13	PASS
				RB1#49	3.64	13	PASS
				RB25#0	5.33	13	PASS
				RB25#13	5.09	13	PASS
				RB25#25	5.09	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.7	13	PASS
			MCH	RB1#0	4.1	13	PASS
				RB1#25	3.91	13	PASS
				RB1#49	3.64	13	PASS
				RB25#0	5.09	13	PASS
				RB25#13	4.91	13	PASS
				RB25#25	4.93	13	PASS
				RB50#0	5.63	13	PASS
			HCH	RB1#0	3.74	13	PASS
				RB1#25	3.56	13	PASS
				RB1#49	3.72	13	PASS
				RB25#0	4.89	13	PASS
				RB25#13	4.8	13	PASS
				RB25#25	5.05	13	PASS
				RB50#0	5.58	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.6	13	PASS
				RB1#3	4.79	13	PASS
				RB1#5	4.89	13	PASS
				RB3#0	5.02	13	PASS
				RB3#2	5.04	13	PASS
				RB3#3	5.32	13	PASS
				RB6#0	6.12	13	PASS
			MCH	RB1#0	4.54	13	PASS
				RB1#3	4.82	13	PASS
				RB1#5	4.48	13	PASS
				RB3#0	4.95	13	PASS
				RB3#2	5.13	13	PASS
				RB3#3	5.06	13	PASS
				RB6#0	5.9	13	PASS
			HCH	RB1#0	4.81	13	PASS
				RB1#3	4.81	13	PASS
				RB1#5	4.42	13	PASS
				RB3#0	5.15	13	PASS
				RB3#2	5.15	13	PASS
				RB3#3	4.89	13	PASS
				RB6#0	6.12	13	PASS
		3	LCH	RB1#0	4.79	13	PASS
				RB1#7	5.11	13	PASS
				RB1#14	5.35	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	6.05	13	PASS
				RB8#4	6.14	13	PASS
				RB8#7	6.22	13	PASS
				RB15#0	6.4	13	PASS
			MCH	RB1#0	4.51	13	PASS
				RB1#7	4.79	13	PASS
				RB1#14	4.48	13	PASS
				RB8#0	5.8	13	PASS
				RB8#4	5.78	13	PASS
				RB8#7	5.72	13	PASS
				RB15#0	6.08	13	PASS
			HCH	RB1#0	4.61	13	PASS
				RB1#7	5.07	13	PASS
				RB1#14	4.48	13	PASS
				RB8#0	6.16	13	PASS
				RB8#4	5.93	13	PASS
				RB8#7	5.8	13	PASS
				RB15#0	6.46	13	PASS
		5	LCH	RB1#0	4.65	13	PASS
				RB1#13	5.17	13	PASS
				RB1#24	5.01	13	PASS
				RB12#0	6.08	13	PASS
				RB12#6	6.11	13	PASS
				RB12#13	5.95	13	PASS
				RB25#0	6.18	13	PASS
			MCH	RB1#0	4.45	13	PASS
				RB1#13	4.1	13	PASS
				RB1#24	4.07	13	PASS
				RB12#0	5.89	13	PASS
				RB12#6	5.7	13	PASS
				RB12#13	5.8	13	PASS
				RB25#0	6.47	13	PASS
			HCH	RB1#0	4.12	13	PASS
				RB1#13	4.55	13	PASS
				RB1#24	4.33	13	PASS
				RB12#0	5.72	13	PASS
				RB12#6	5.88	13	PASS
				RB12#13	5.83	13	PASS
				RB25#0	6.29	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB1#0	4.65	13	PASS
				RB1#25	5.25	13	PASS
				RB1#49	4.54	13	PASS
				RB25#0	6.09	13	PASS
				RB25#13	5.76	13	PASS
				RB25#25	6.12	13	PASS
				RB50#0	6.31	13	PASS
			MCH	RB1#0	5.11	13	PASS
				RB1#25	4.67	13	PASS
				RB1#49	4.4	13	PASS
				RB25#0	6.04	13	PASS
				RB25#13	5.62	13	PASS
				RB25#25	5.83	13	PASS
				RB50#0	6.48	13	PASS
			HCH	RB1#0	4.55	13	PASS
				RB1#25	4.15	13	PASS
				RB1#49	4.62	13	PASS
				RB25#0	5.78	13	PASS
				RB25#13	5.78	13	PASS
				RB25#25	6.09	13	PASS
				RB50#0	6.31	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

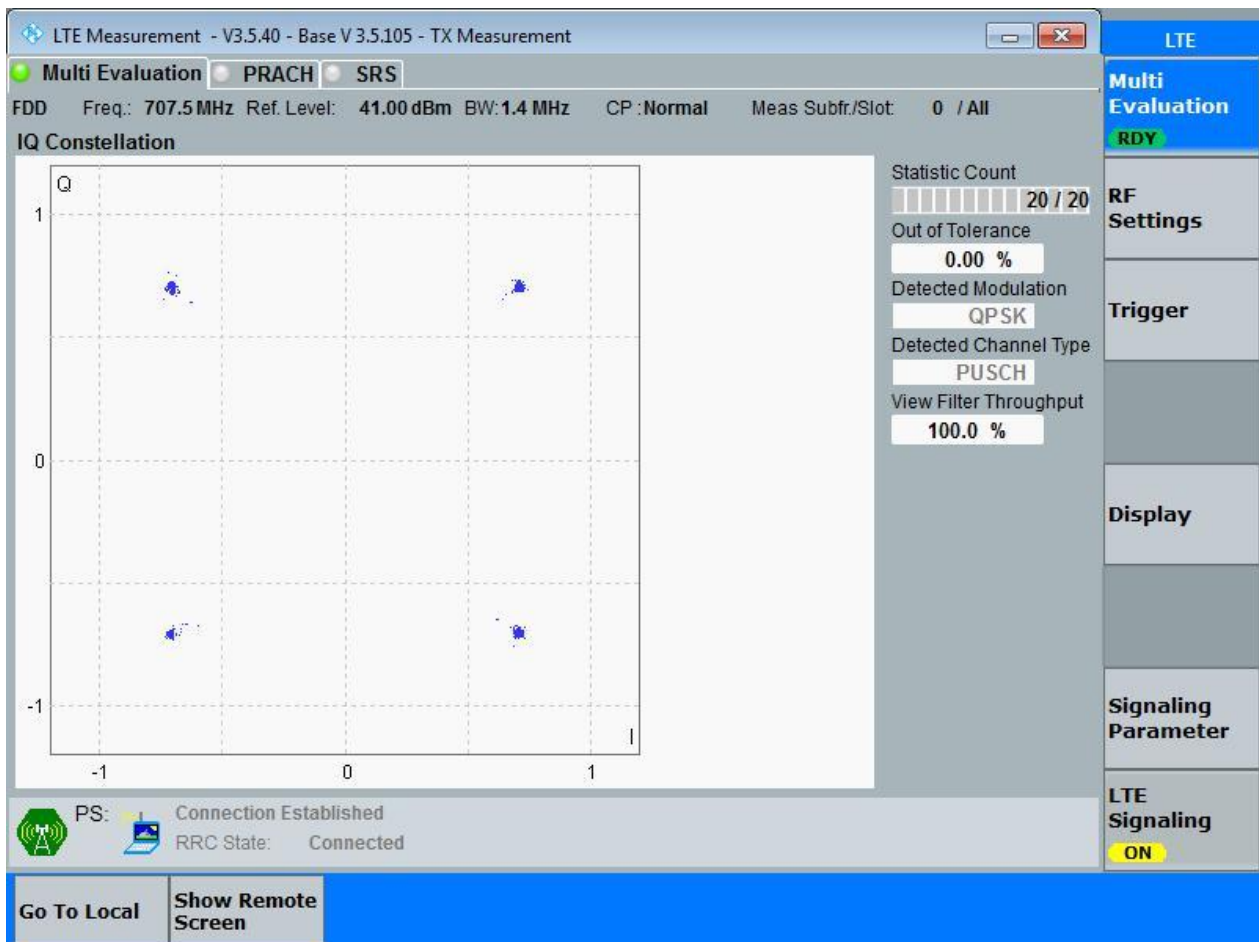
3.1.1 Test Band = BAND12

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

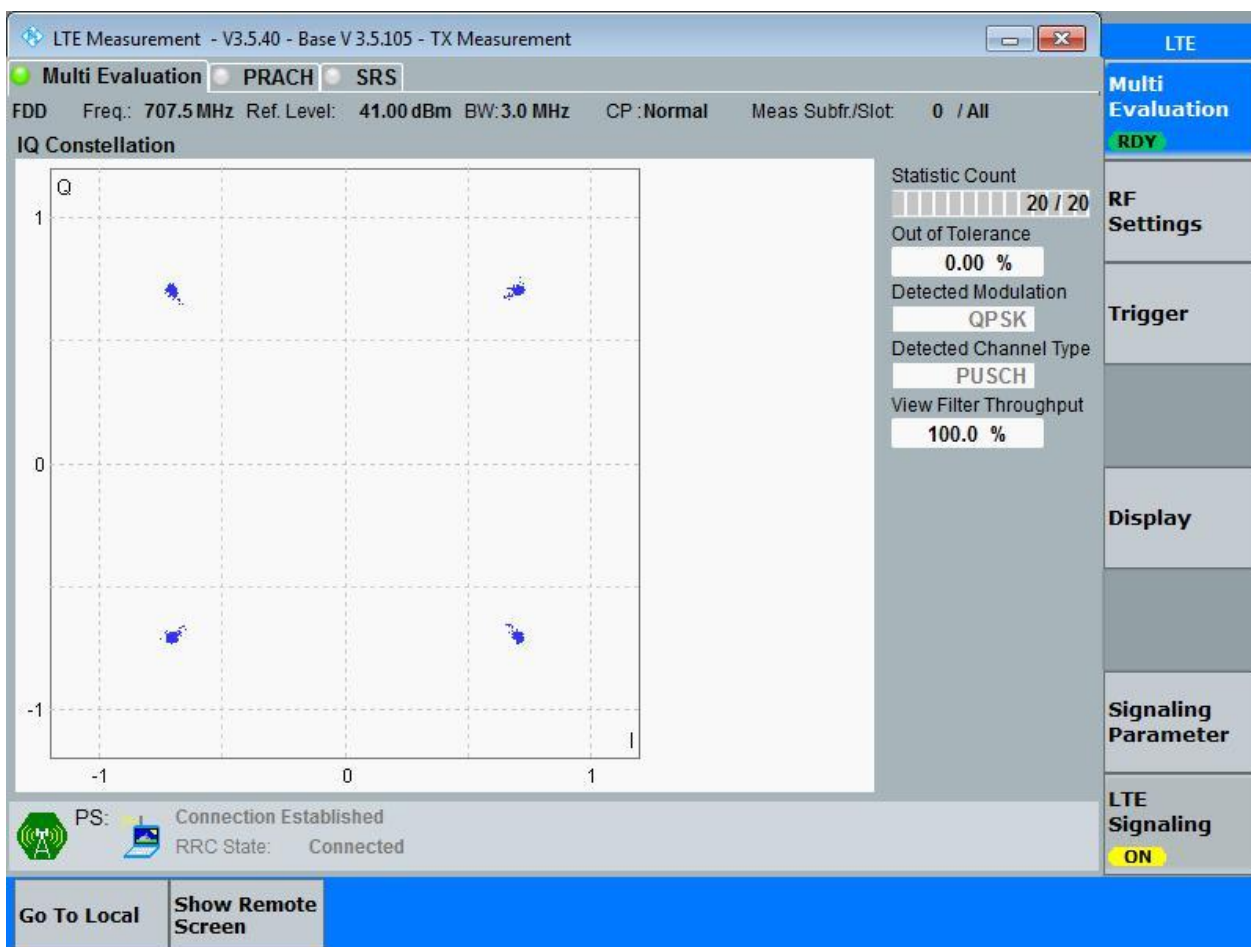
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

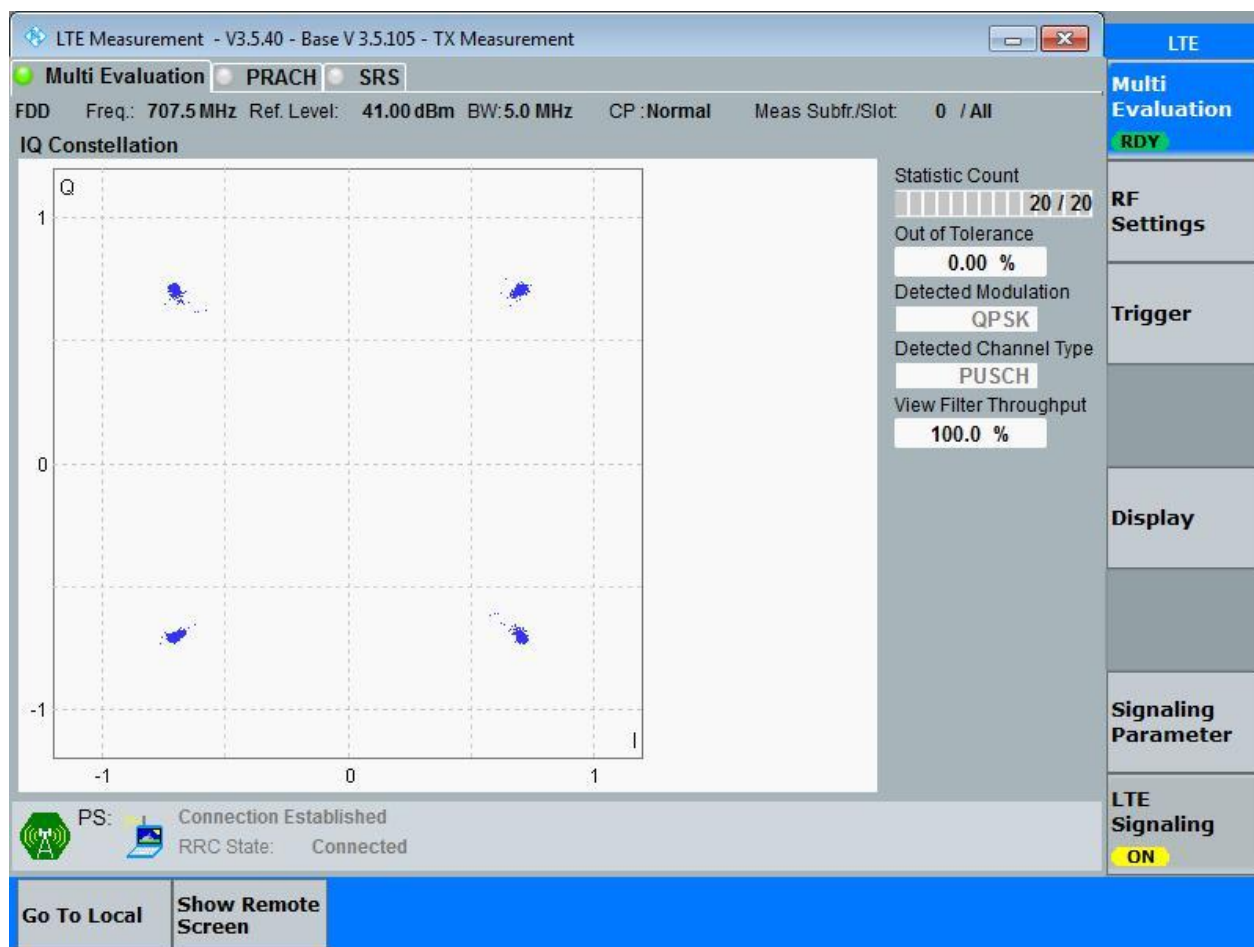
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

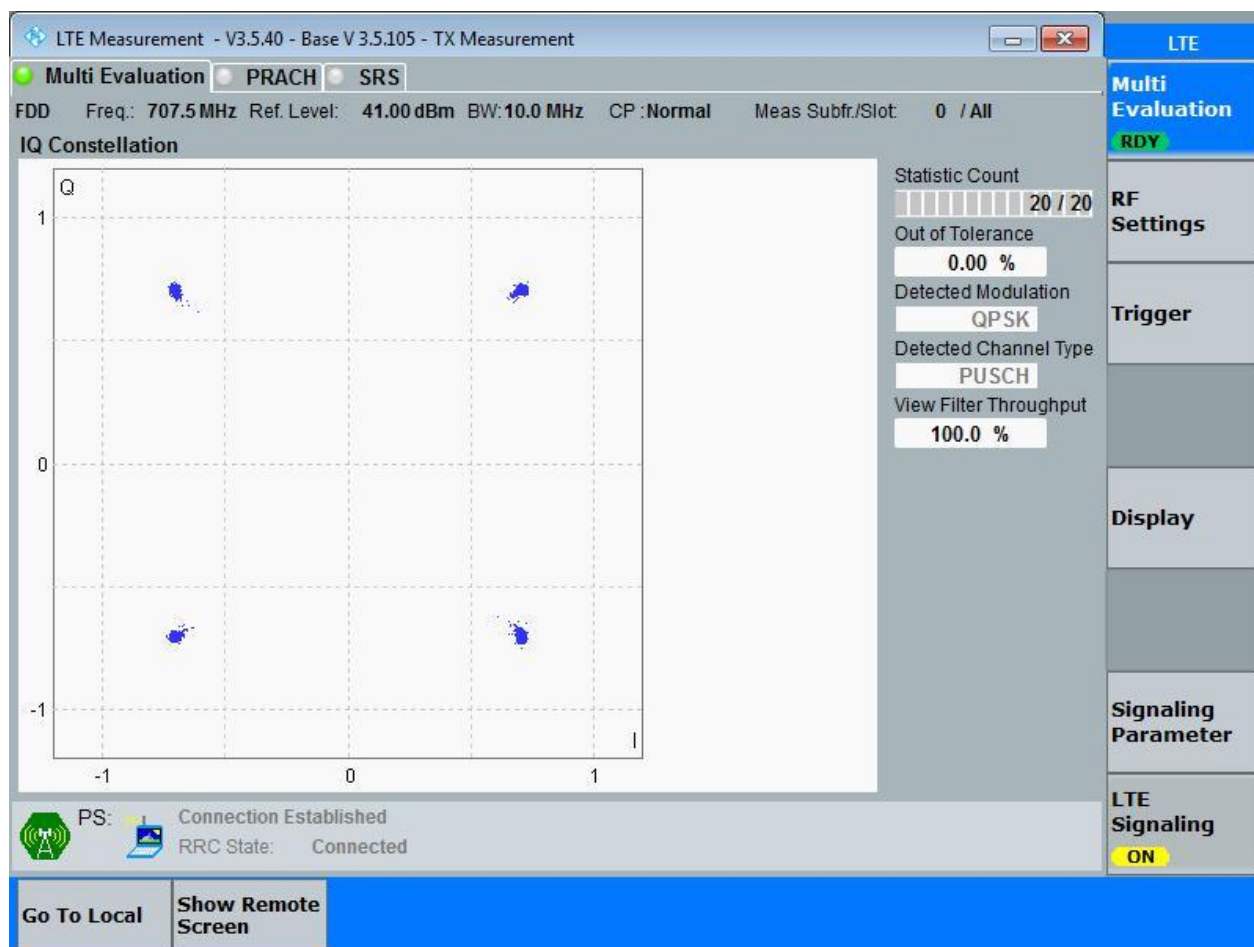
3.1.1.1.3.1.1 Test RB = RB25#0



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

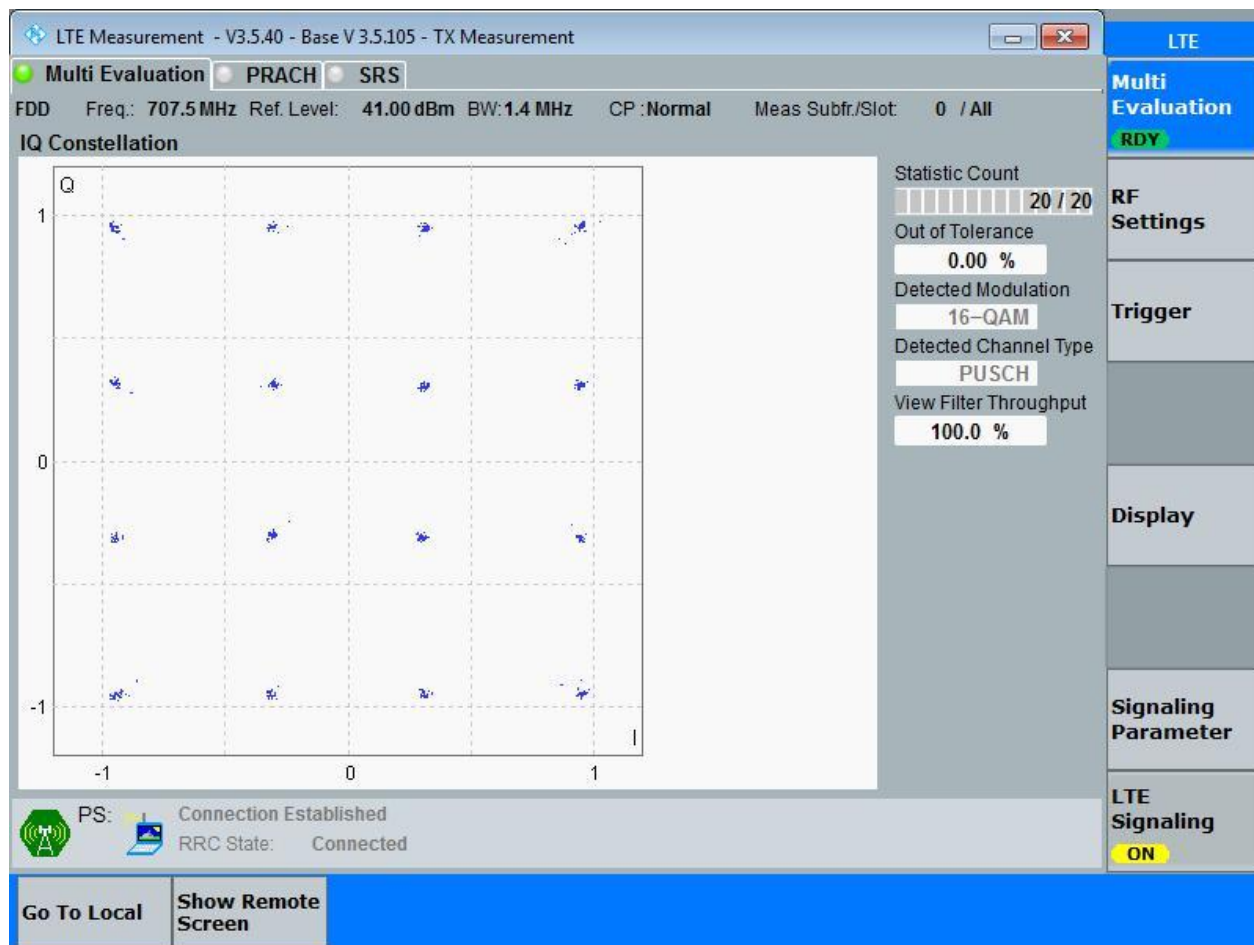


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

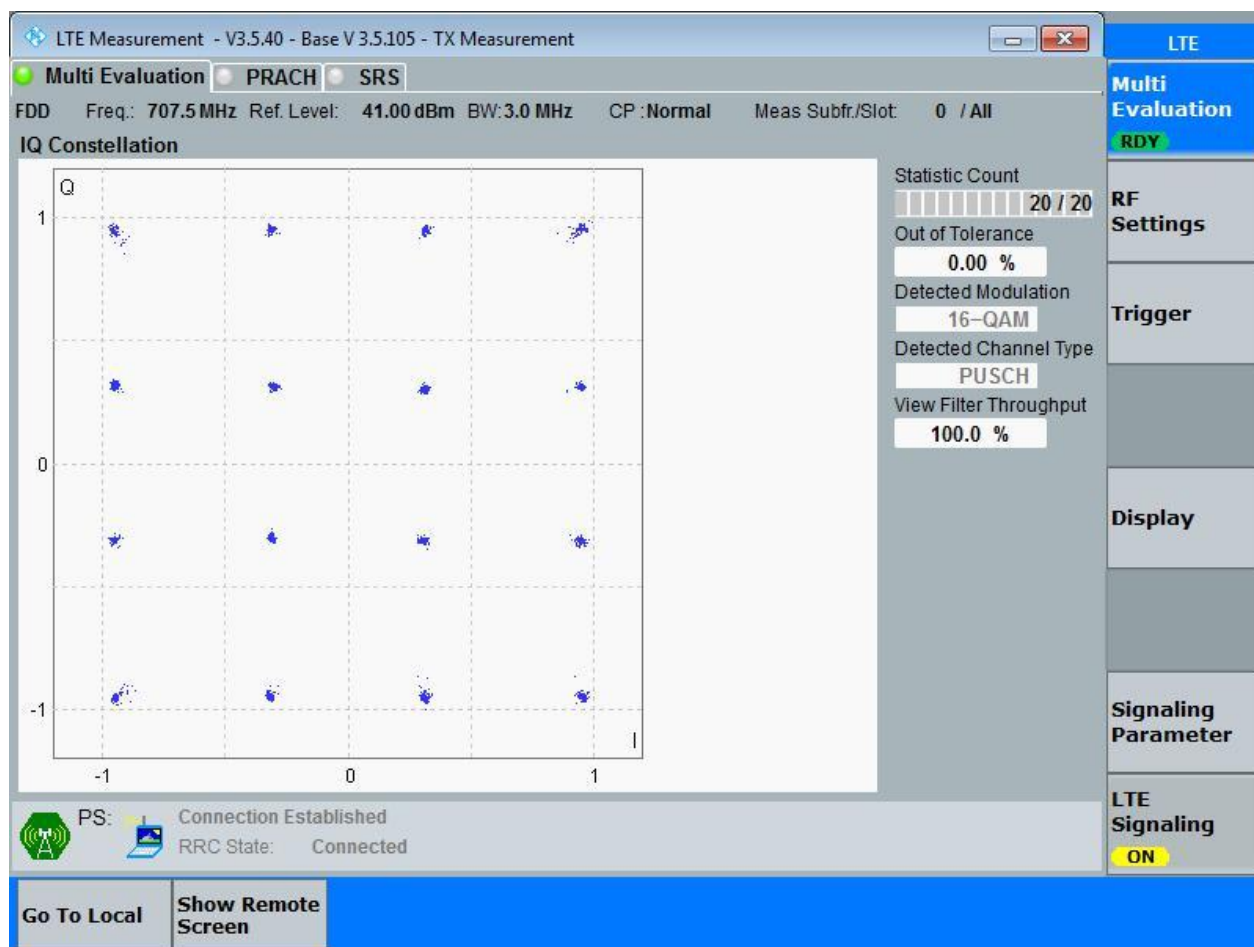
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

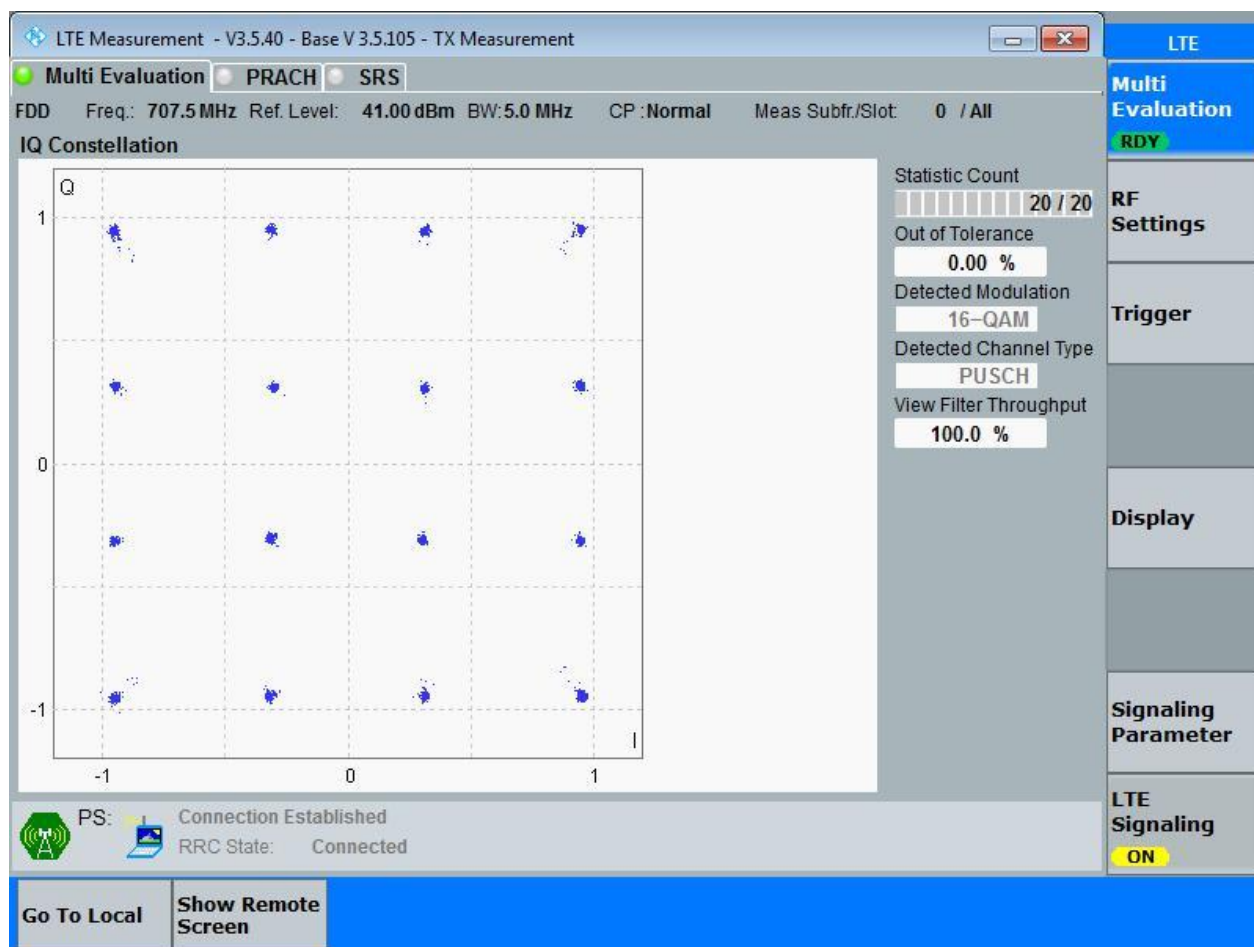
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

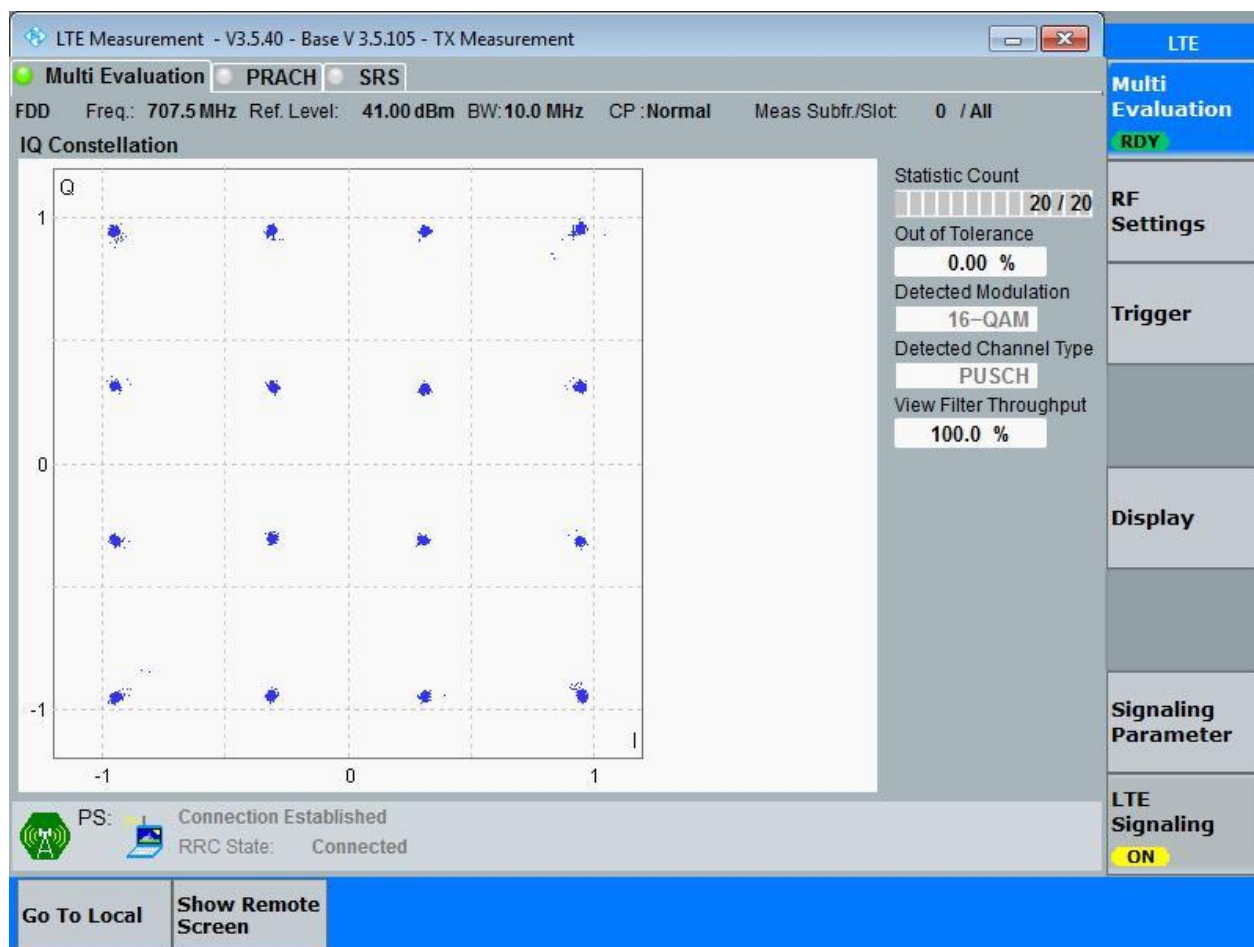
3.1.1.2.3.1.1 Test RB = RB25#0



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	1.10	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.71	2.97	Pass
			HCH	RB15#0	2.70	2.97	Pass
		5	LCH	RB25#0	4.50	4.95	Pass
			MCH	RB25#0	4.53	4.97	Pass
			HCH	RB25#0	4.49	4.93	Pass
		10	LCH	RB50#0	8.99	9.89	Pass
			MCH	RB50#0	9.00	9.90	Pass
			HCH	RB50#0	8.98	9.86	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.10	1.25	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.70	2.99	Pass
			MCH	RB15#0	2.72	2.98	Pass
			HCH	RB15#0	2.70	2.99	Pass
		5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.52	4.97	Pass
			HCH	RB25#0	4.50	4.95	Pass
		10	LCH	RB50#0	9.00	9.88	Pass
			MCH	RB50#0	9.02	9.93	Pass
			HCH	RB50#0	8.96	9.93	Pass



Part II - Test Plots

4.1 For LTE

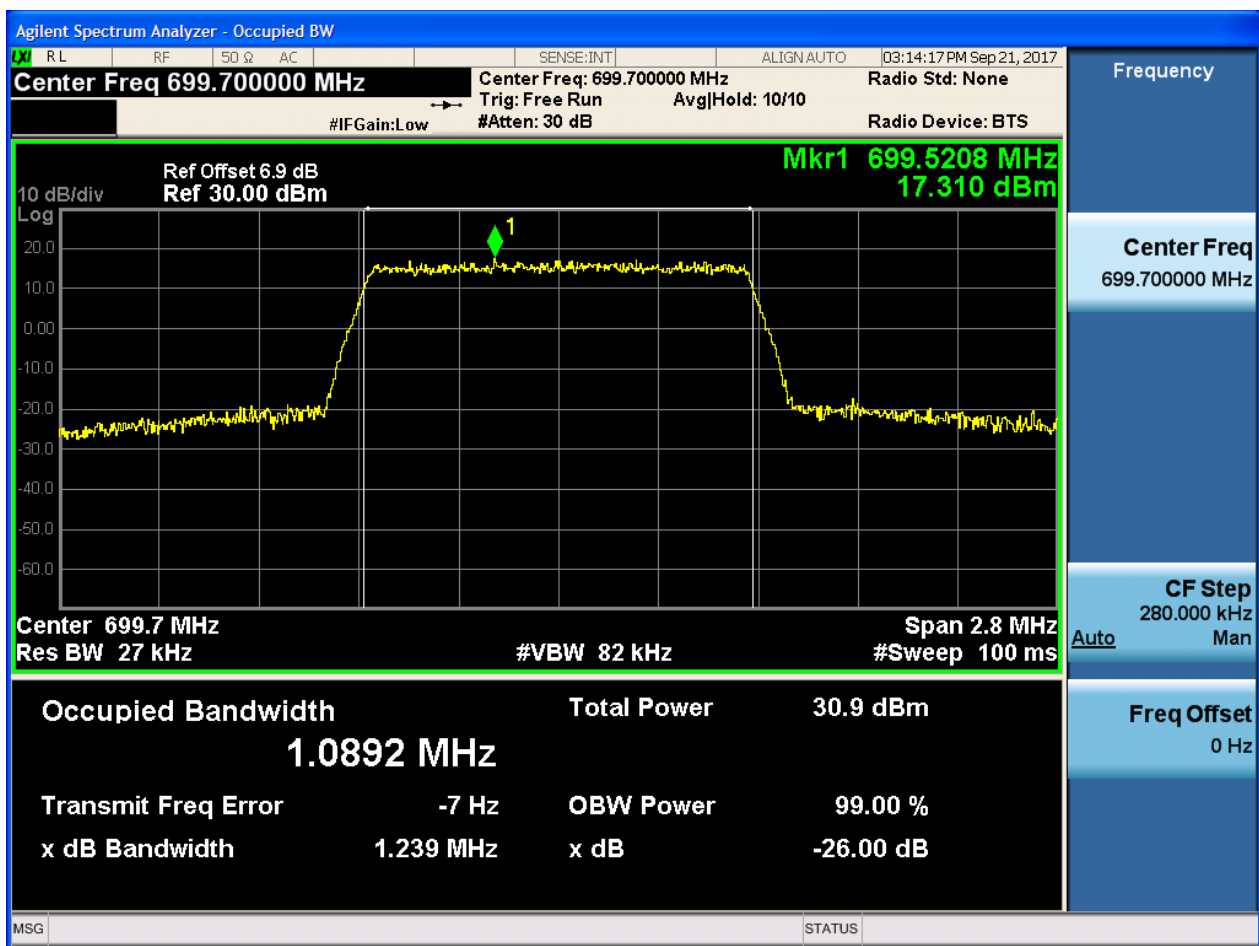
4.1.1 Test Band = BAND12

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

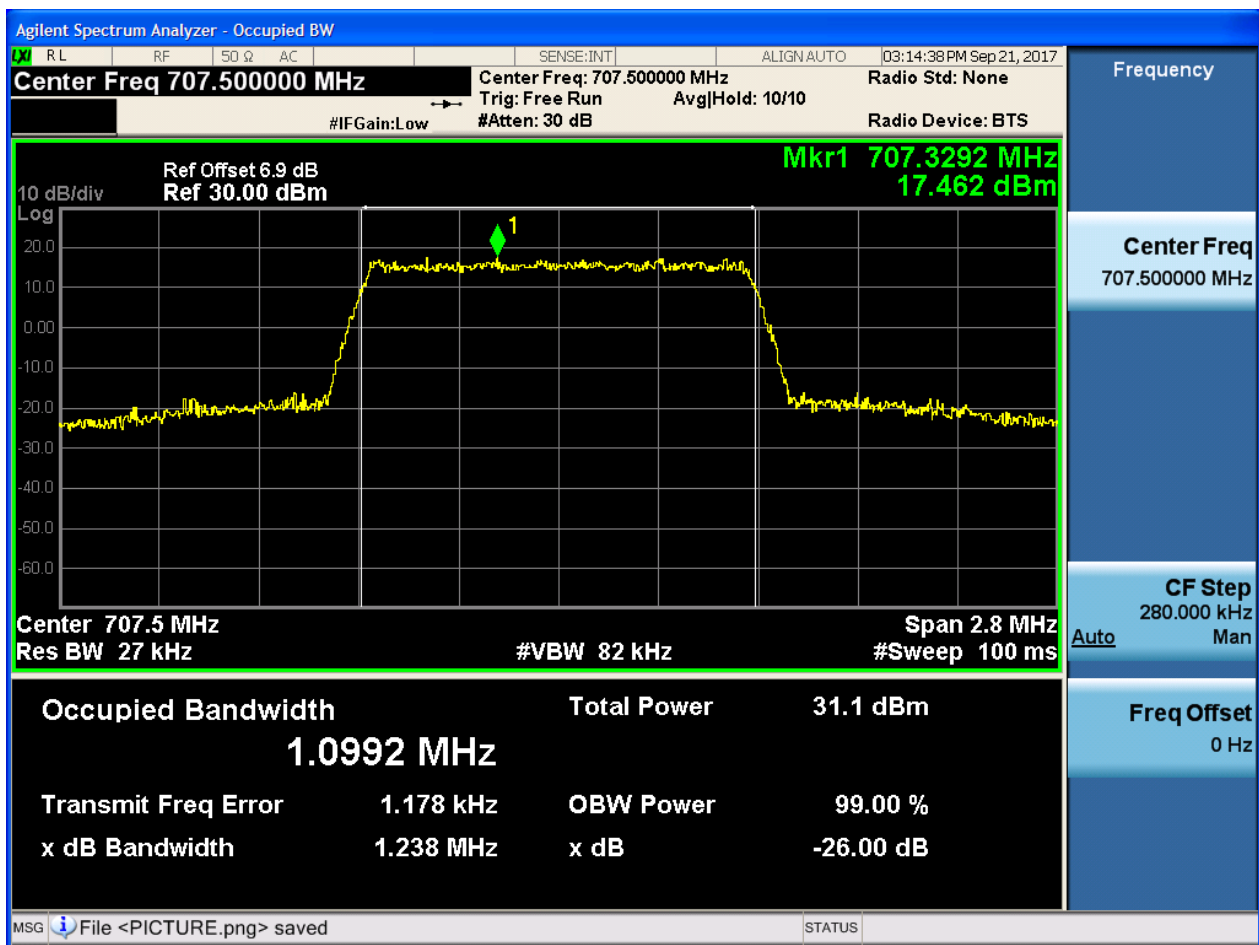
4.1.1.1.1.1.1 Test RB = RB6#0





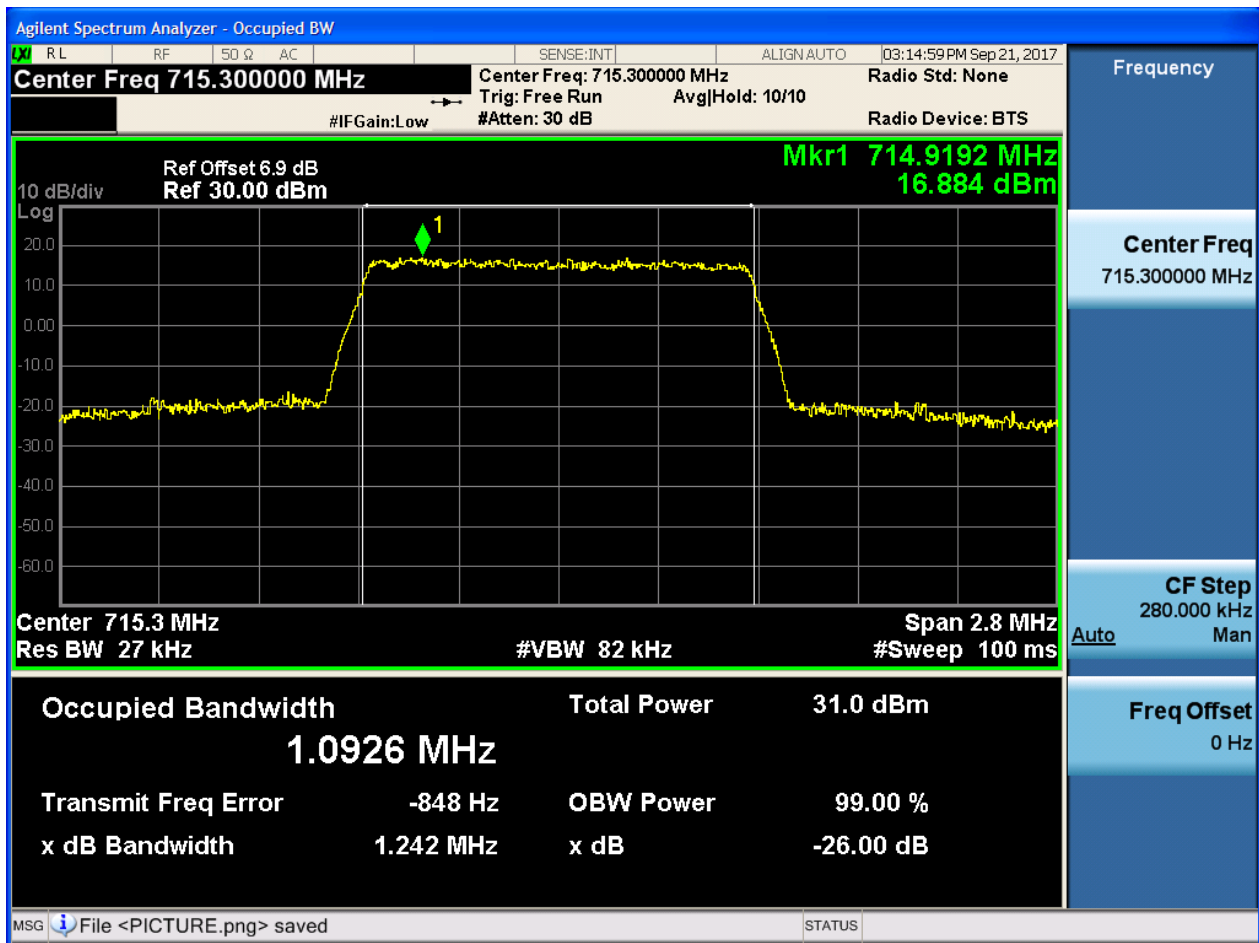
4.1.1.1.1.2 Test Channel = MCH

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

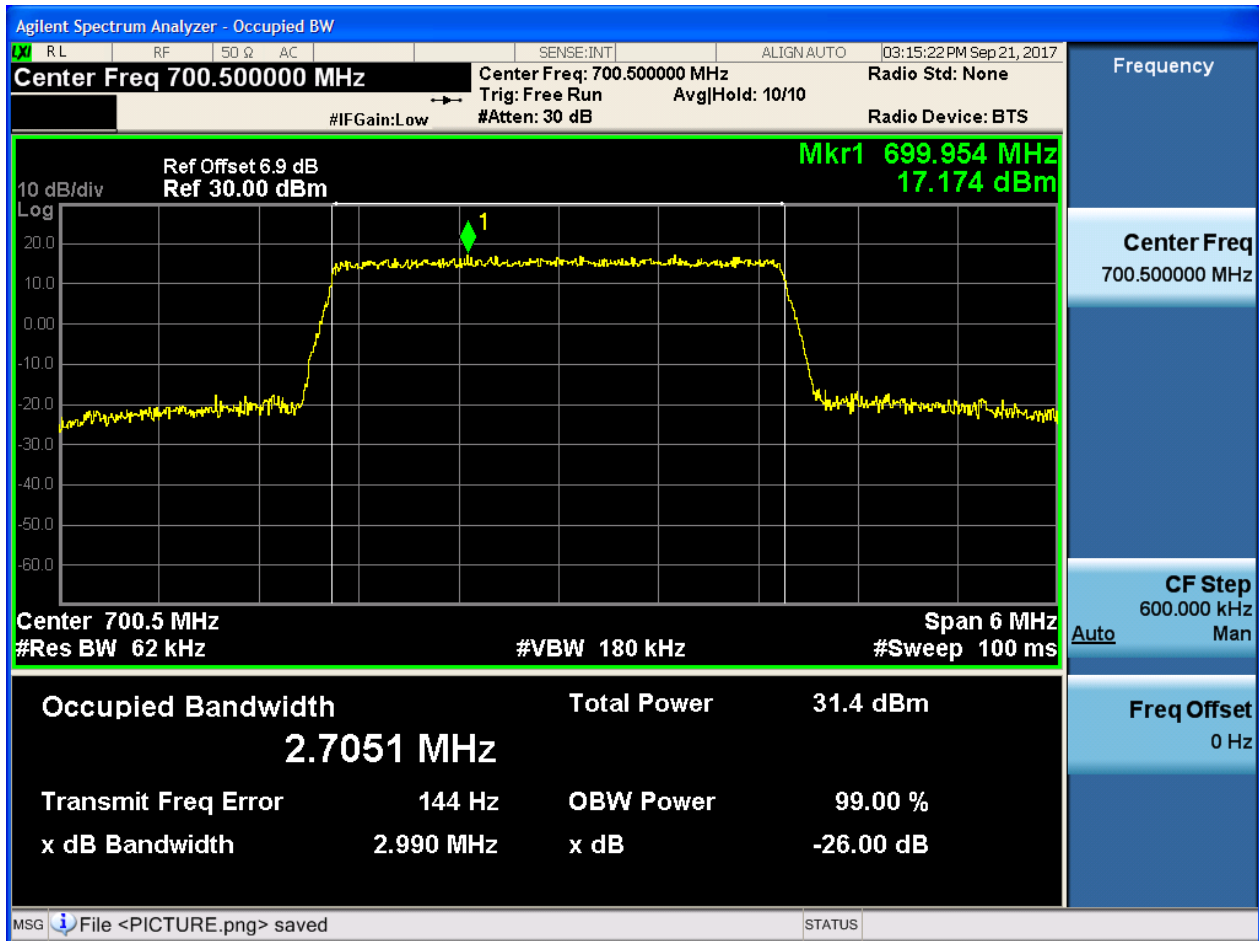




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

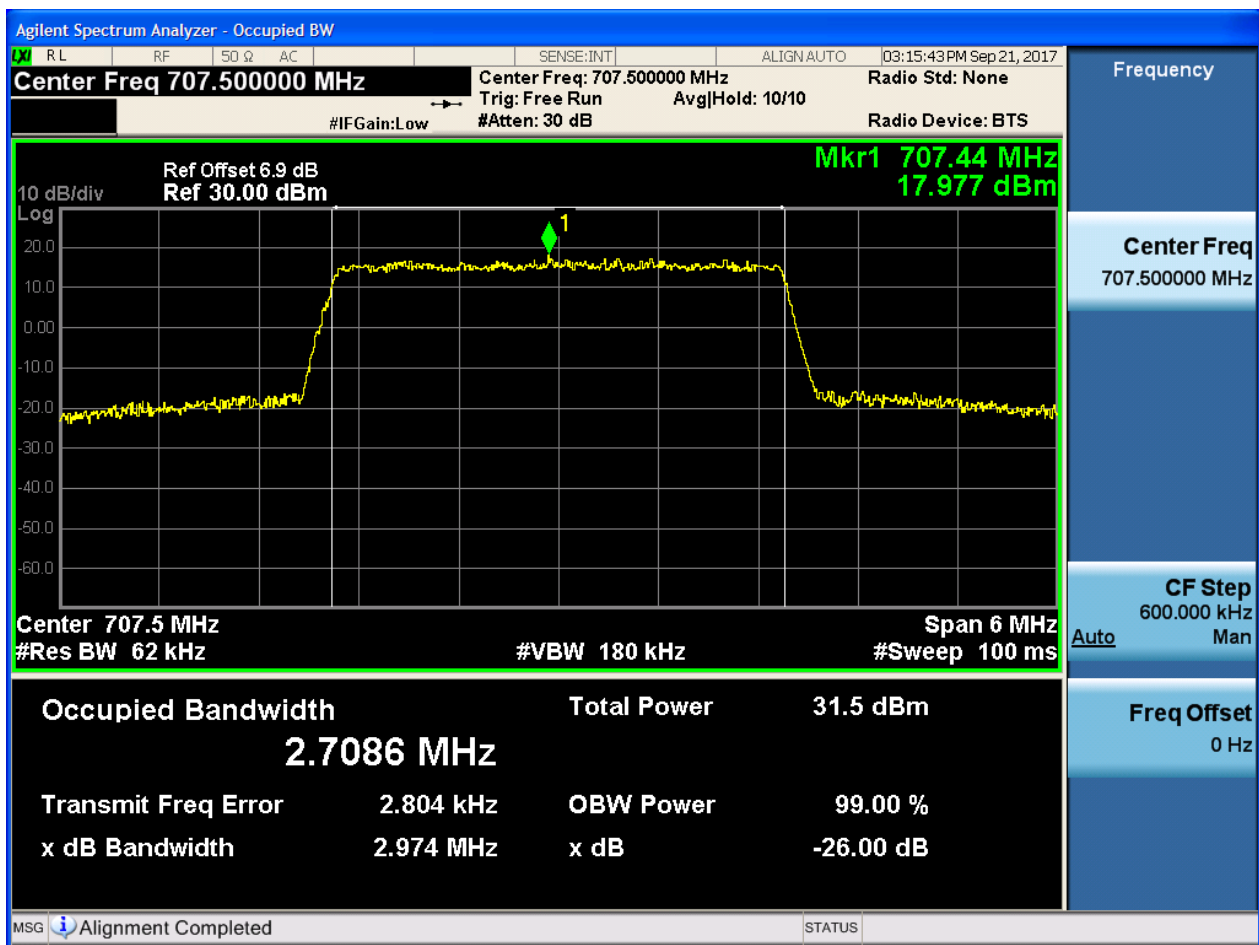
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

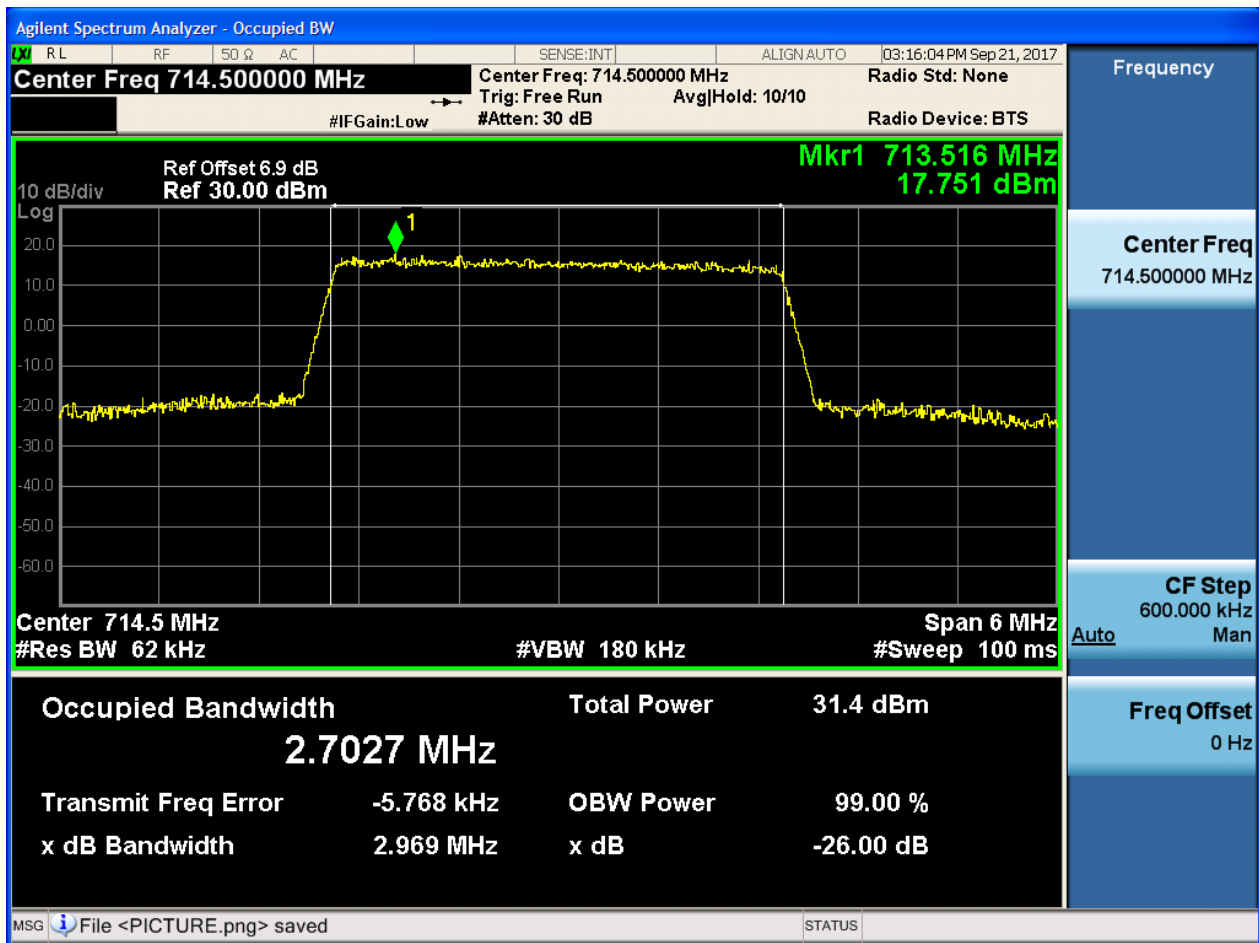
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

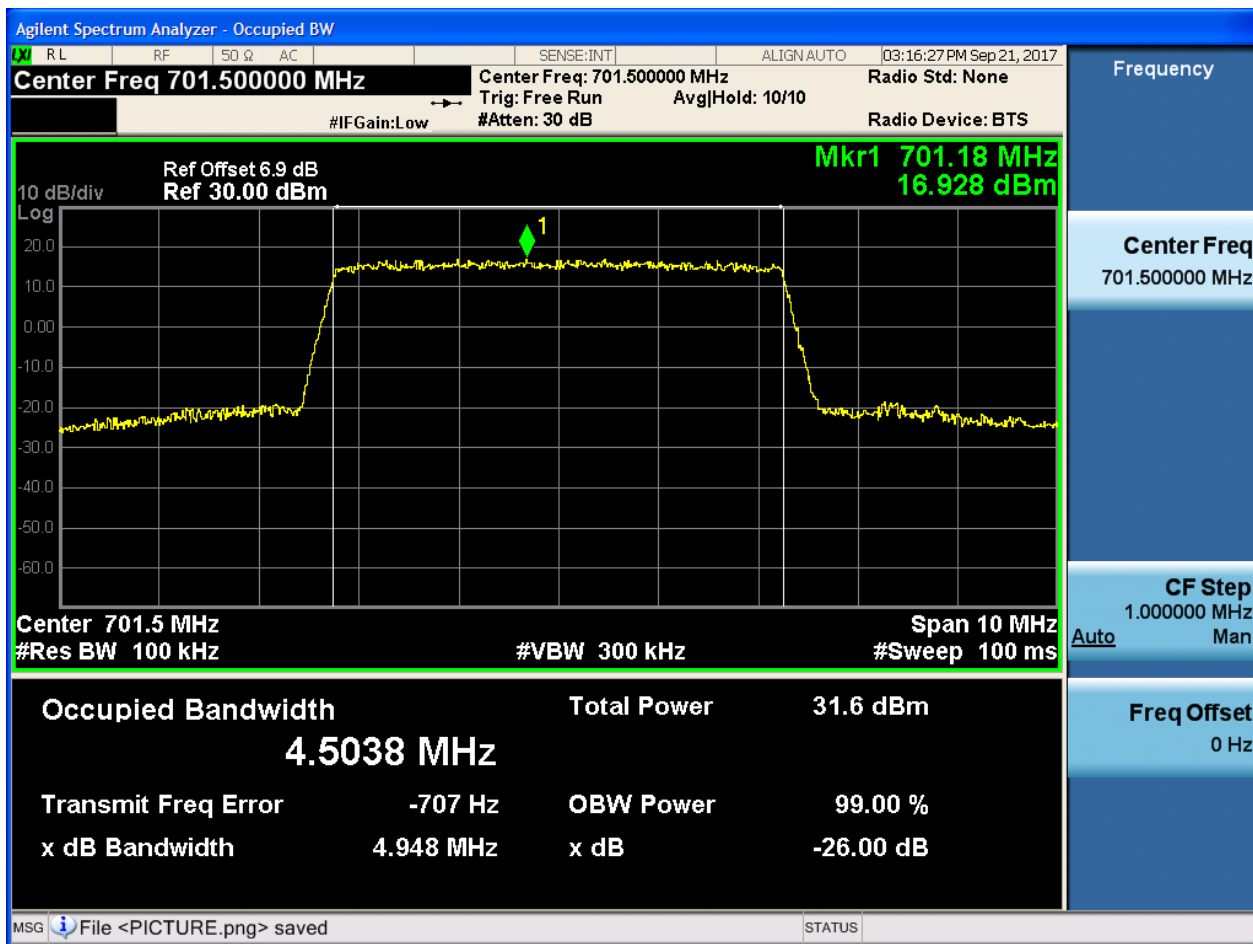




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

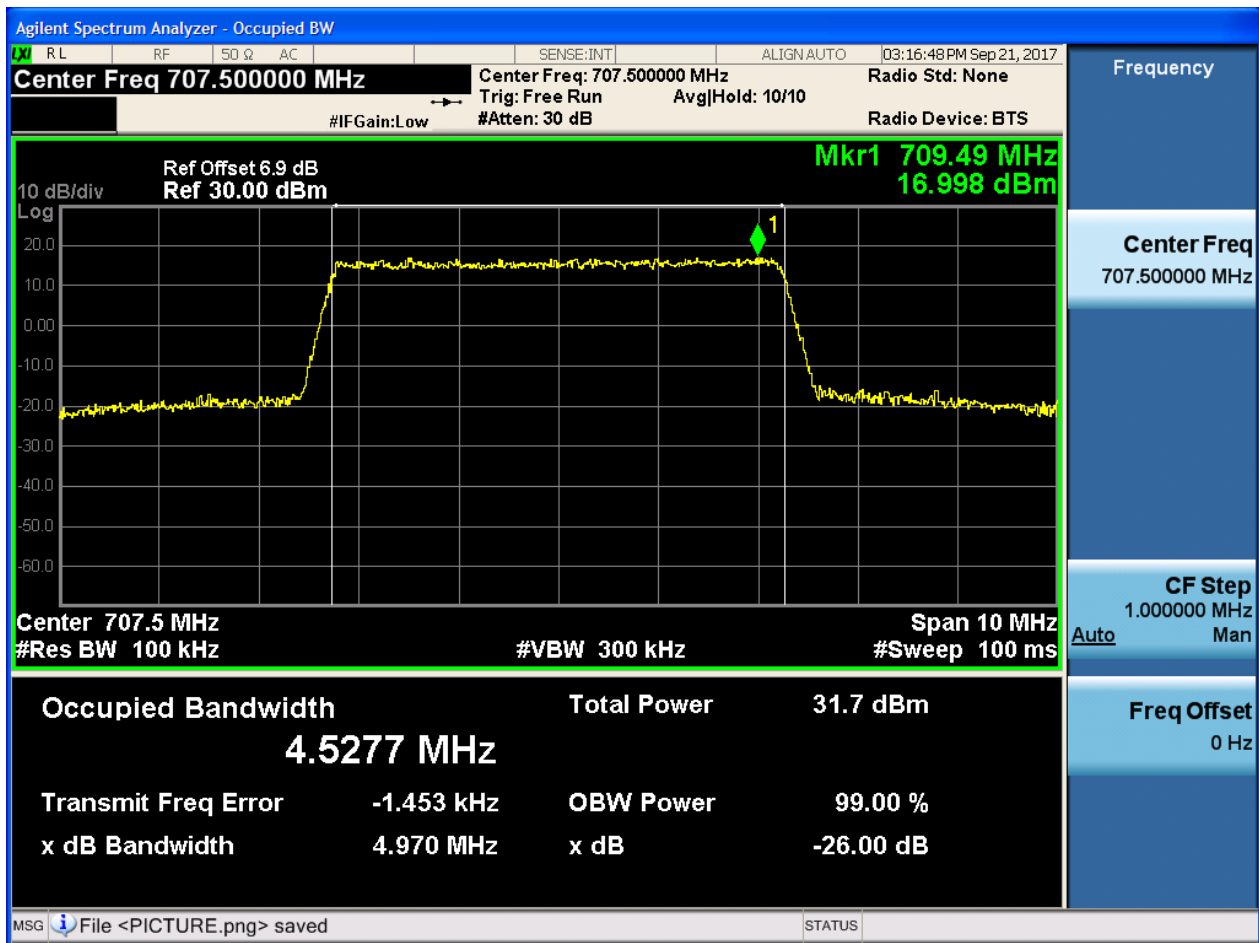
4.1.1.1.3.1.1 Test RB = RB25#0





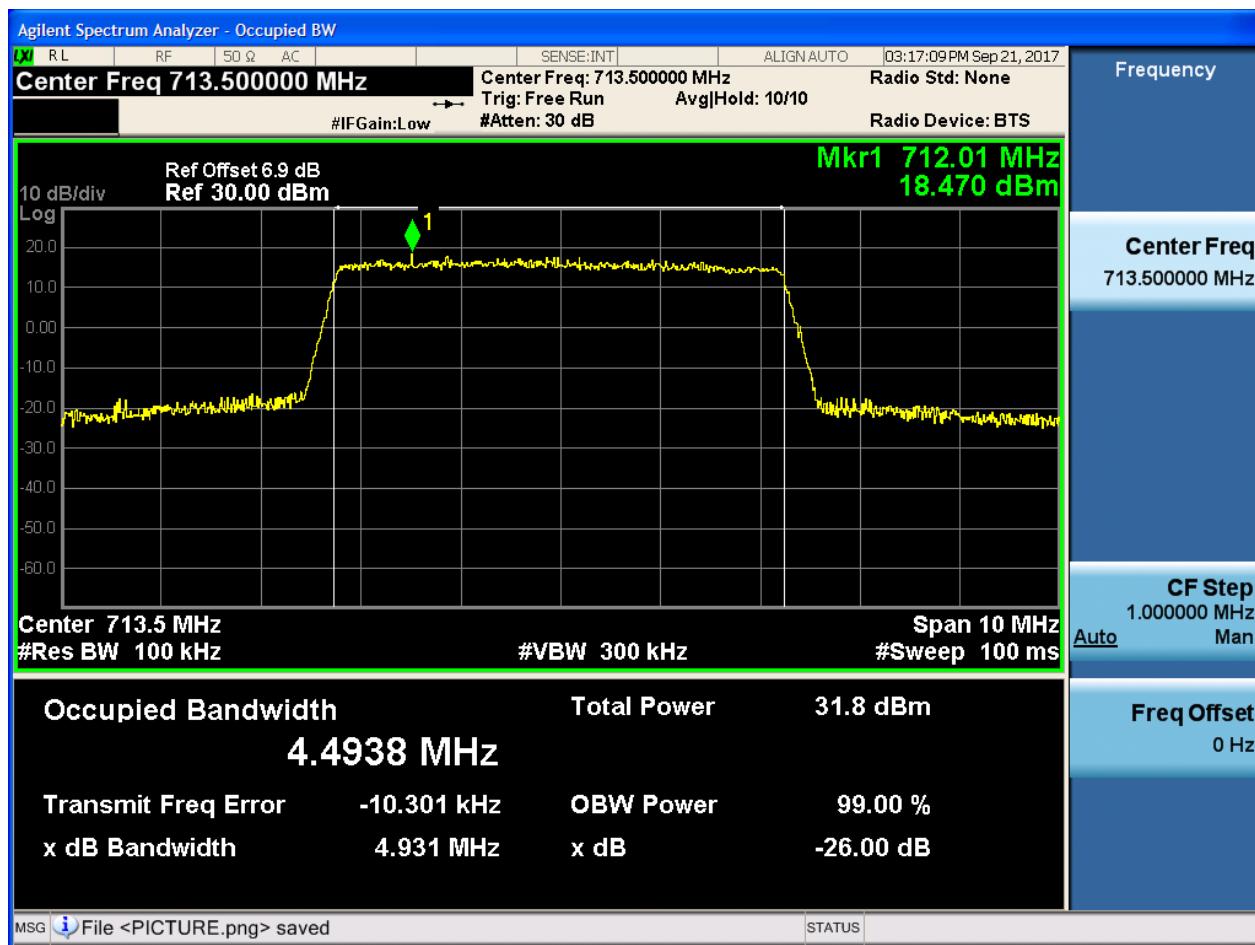
4.1.1.1.3.2 Test Channel = MCH

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

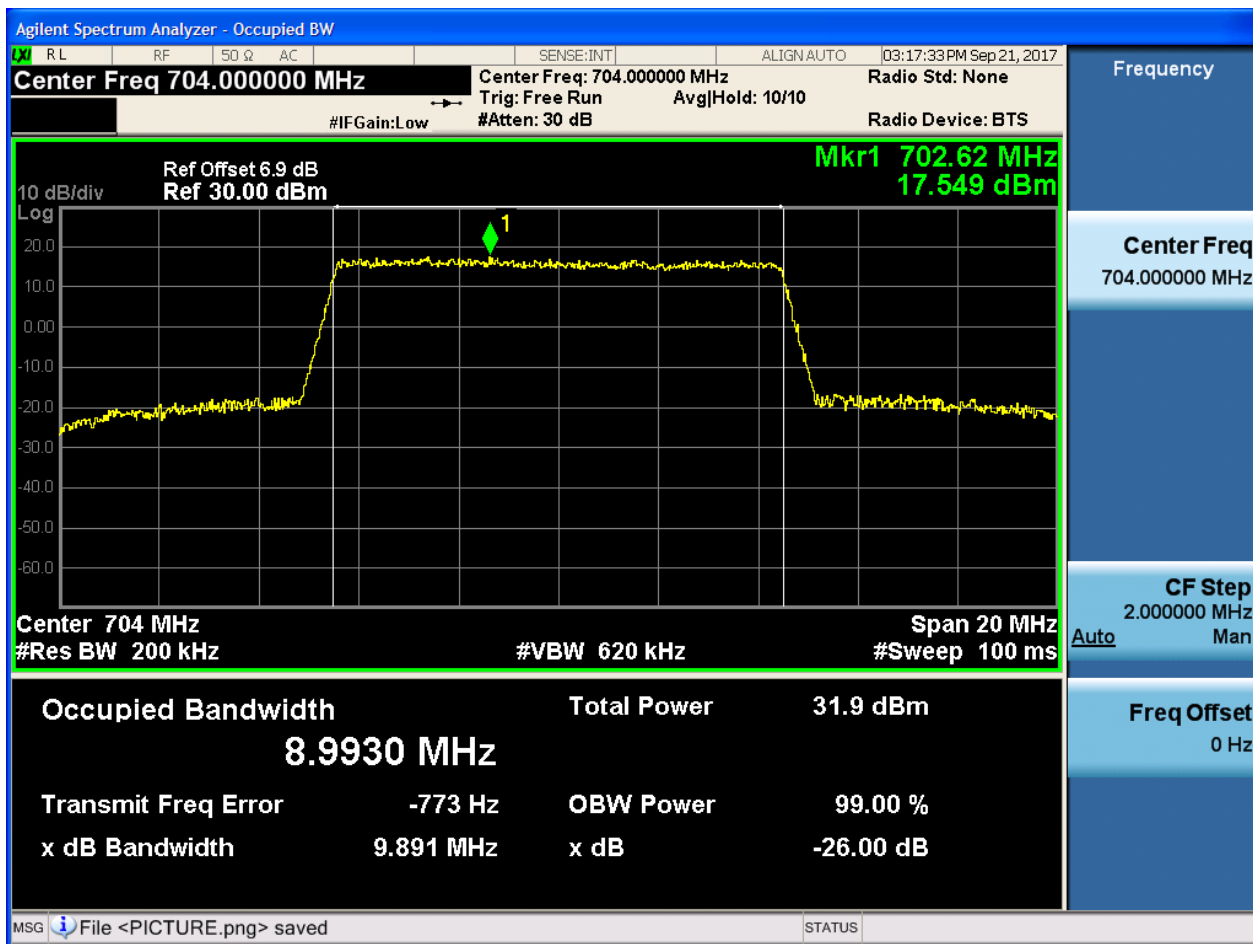




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

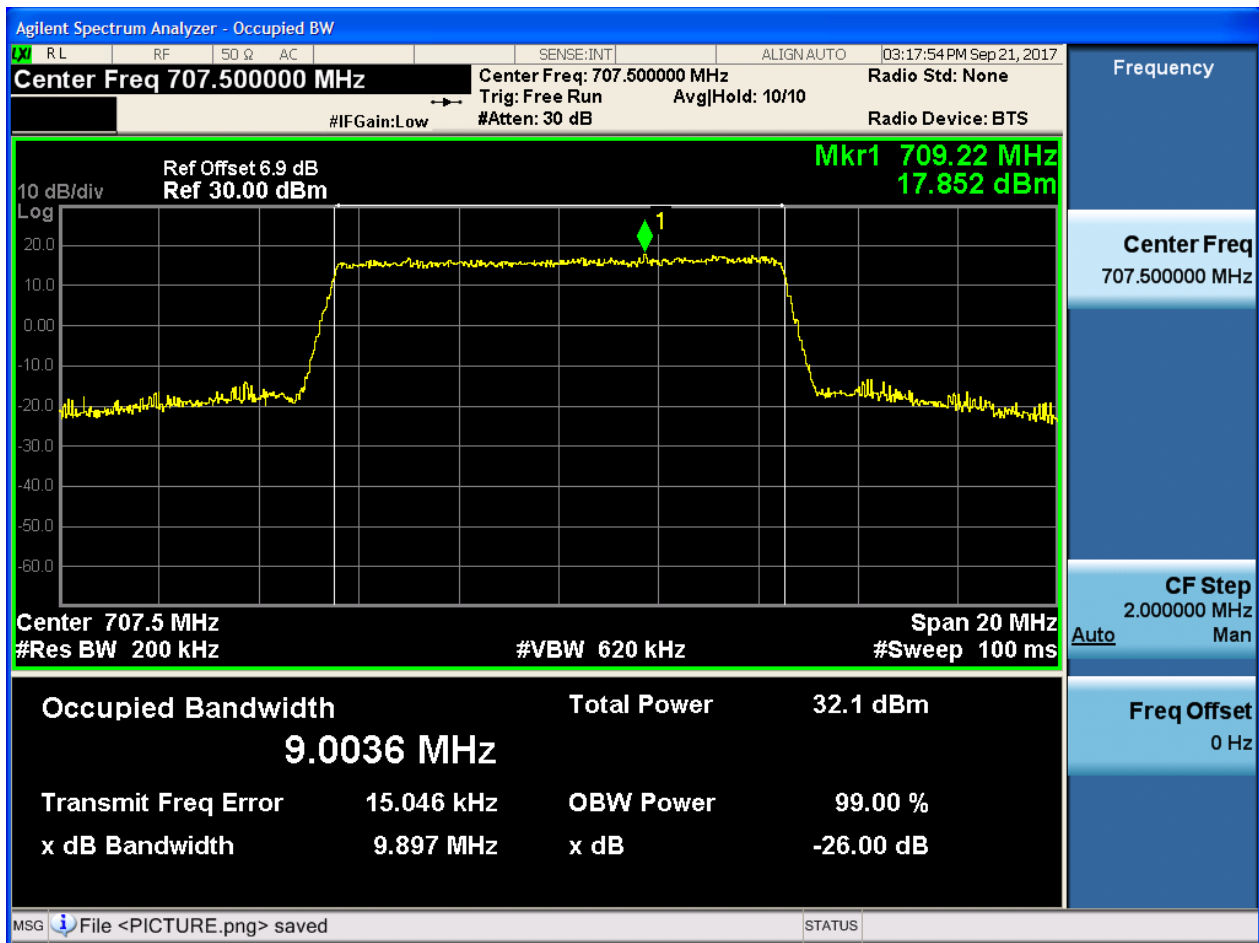
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

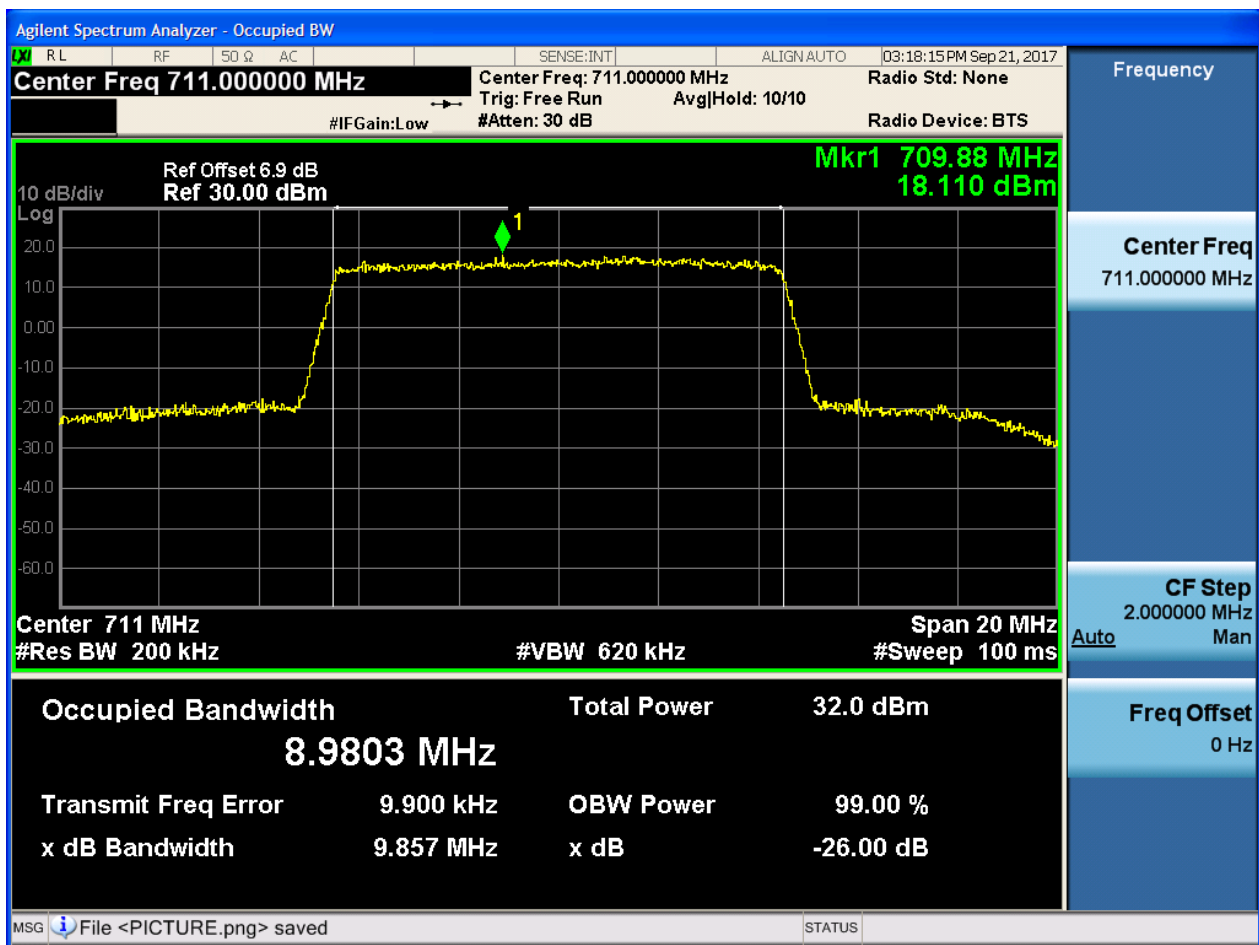
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0



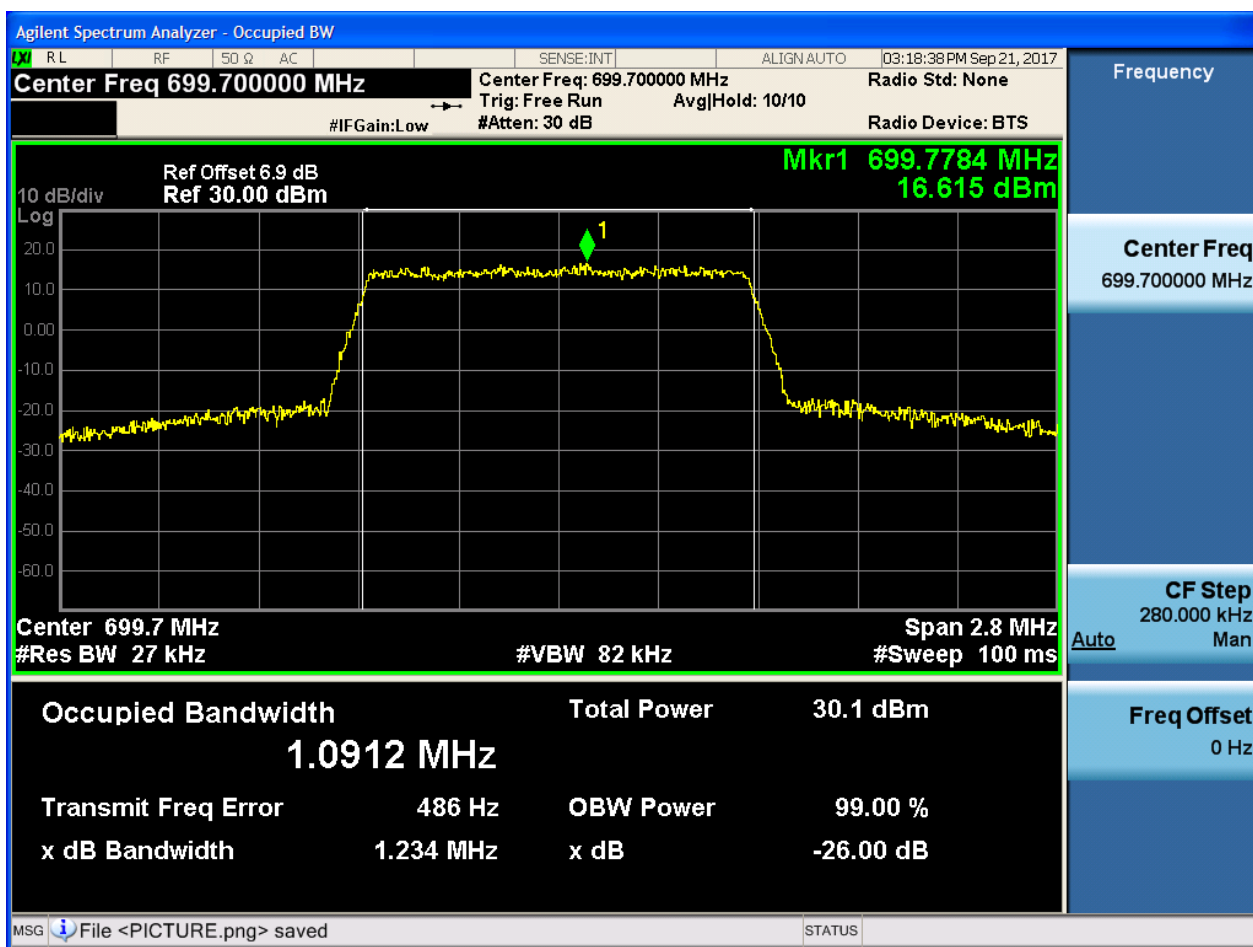


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

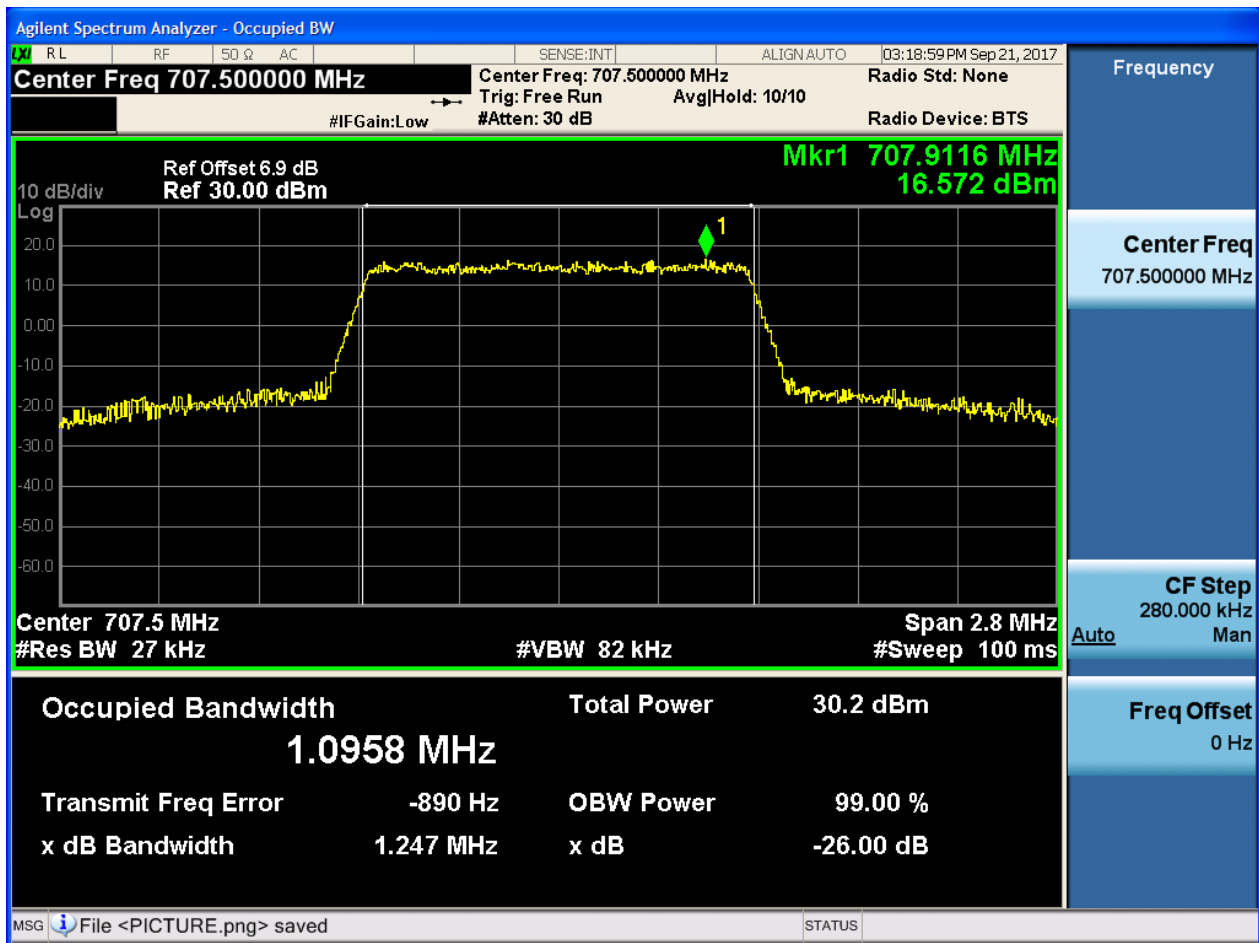
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

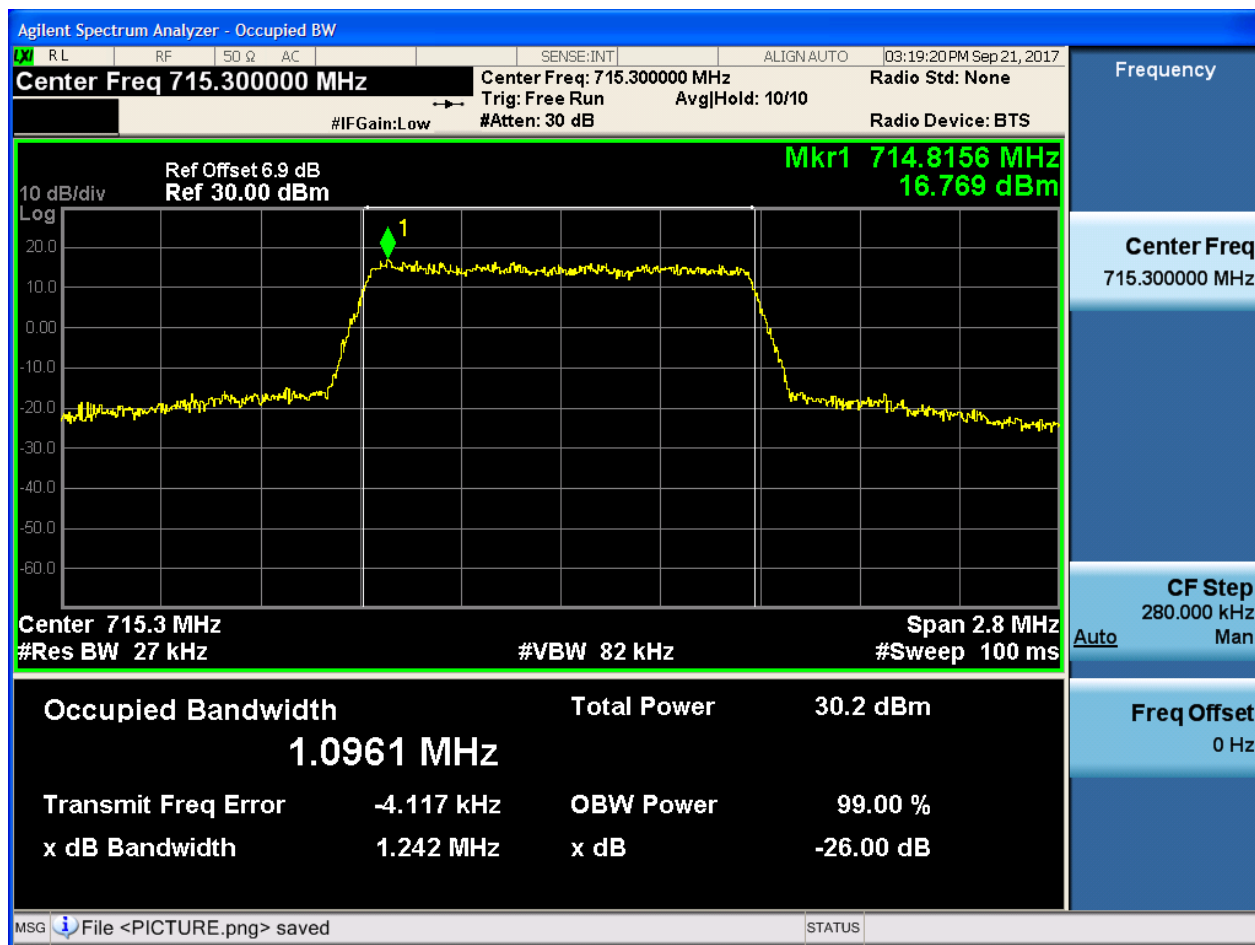
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

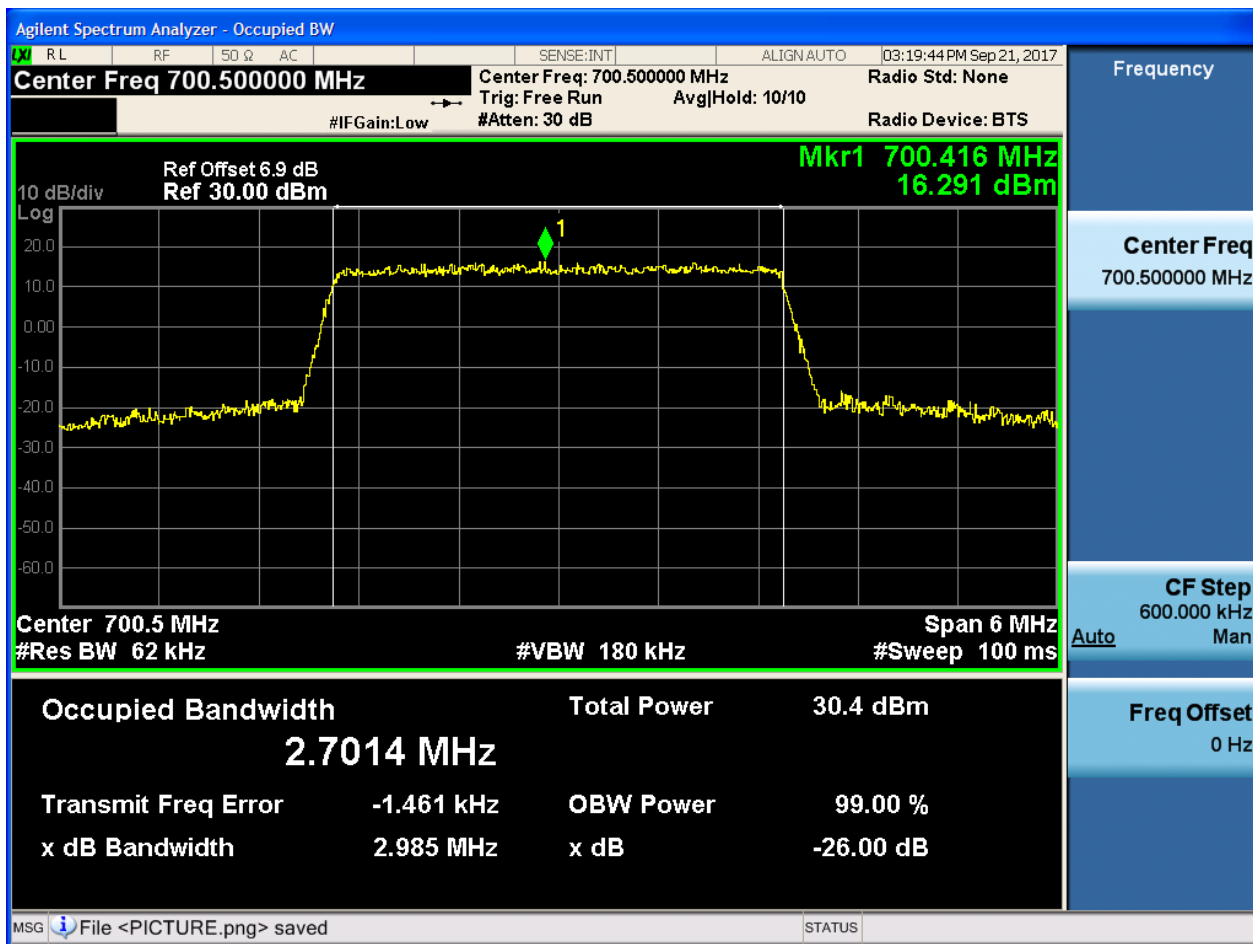




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

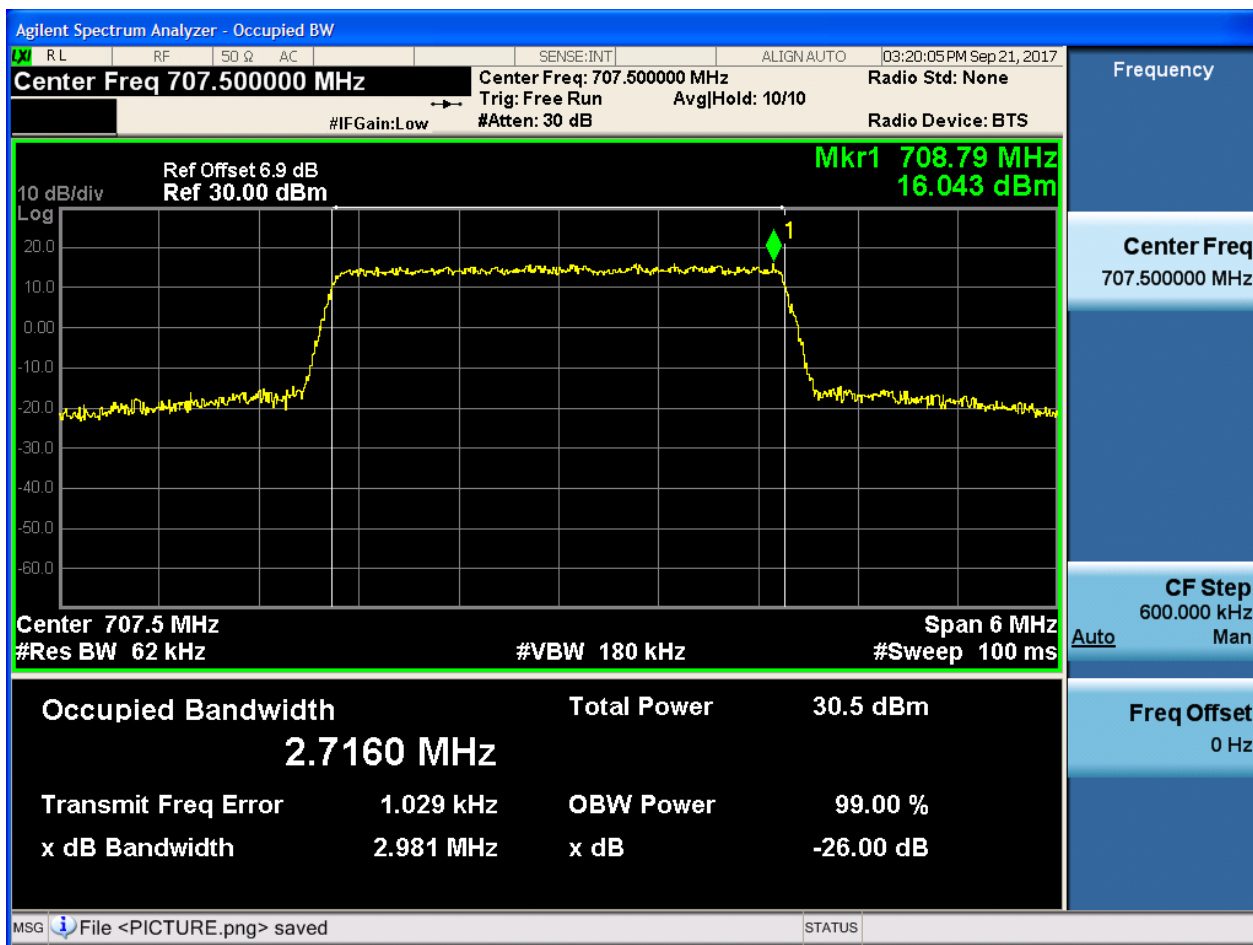
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

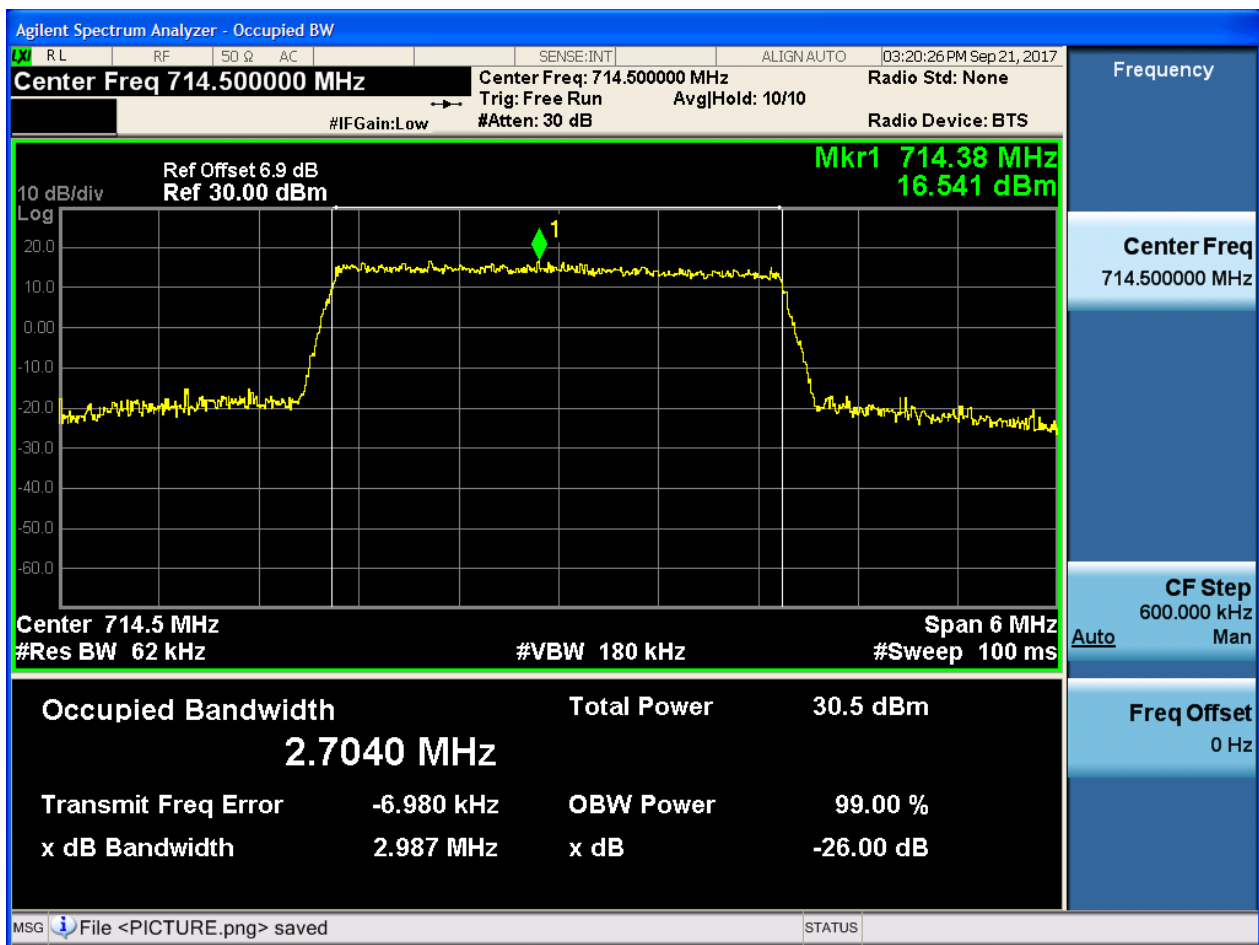
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

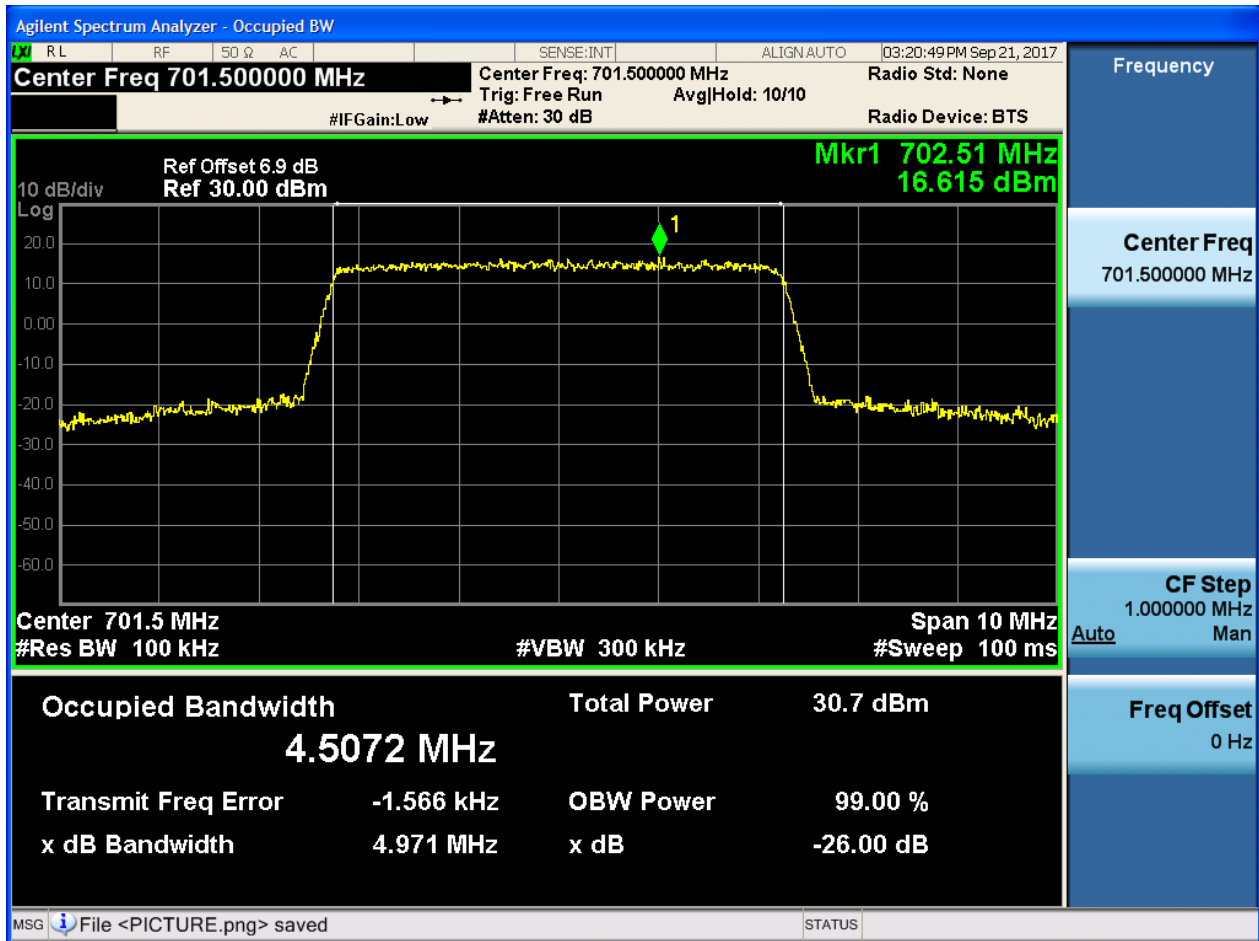




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

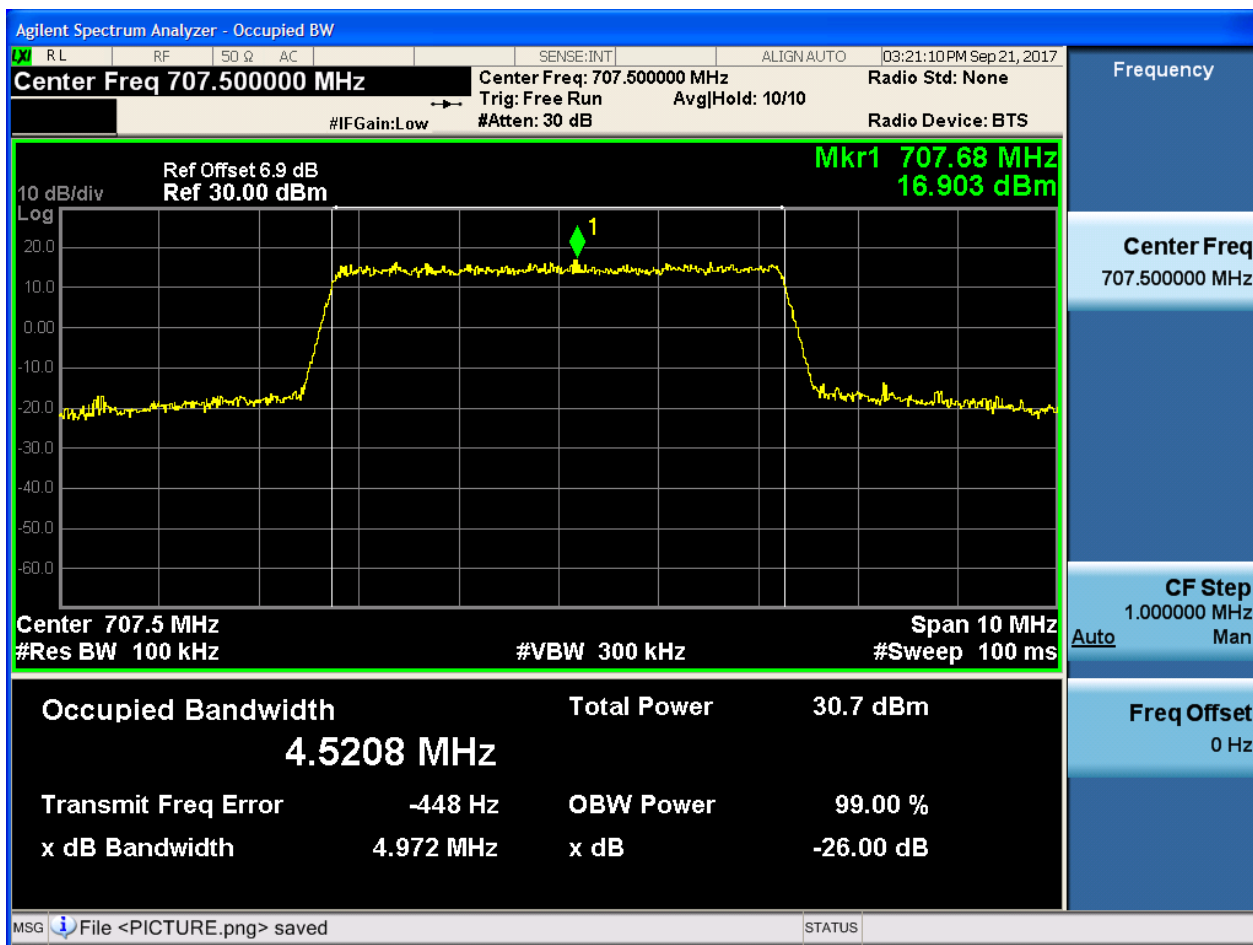
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

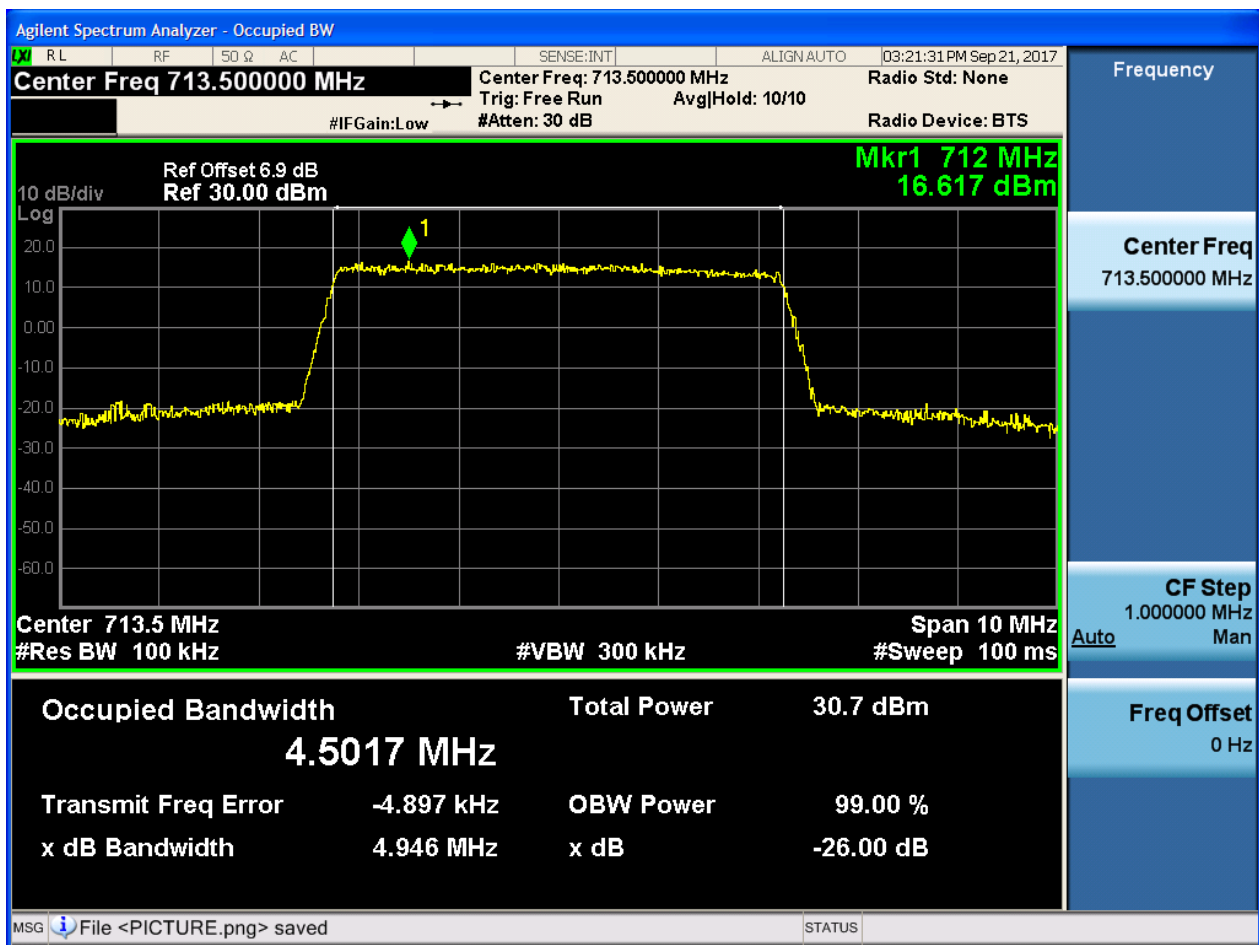
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

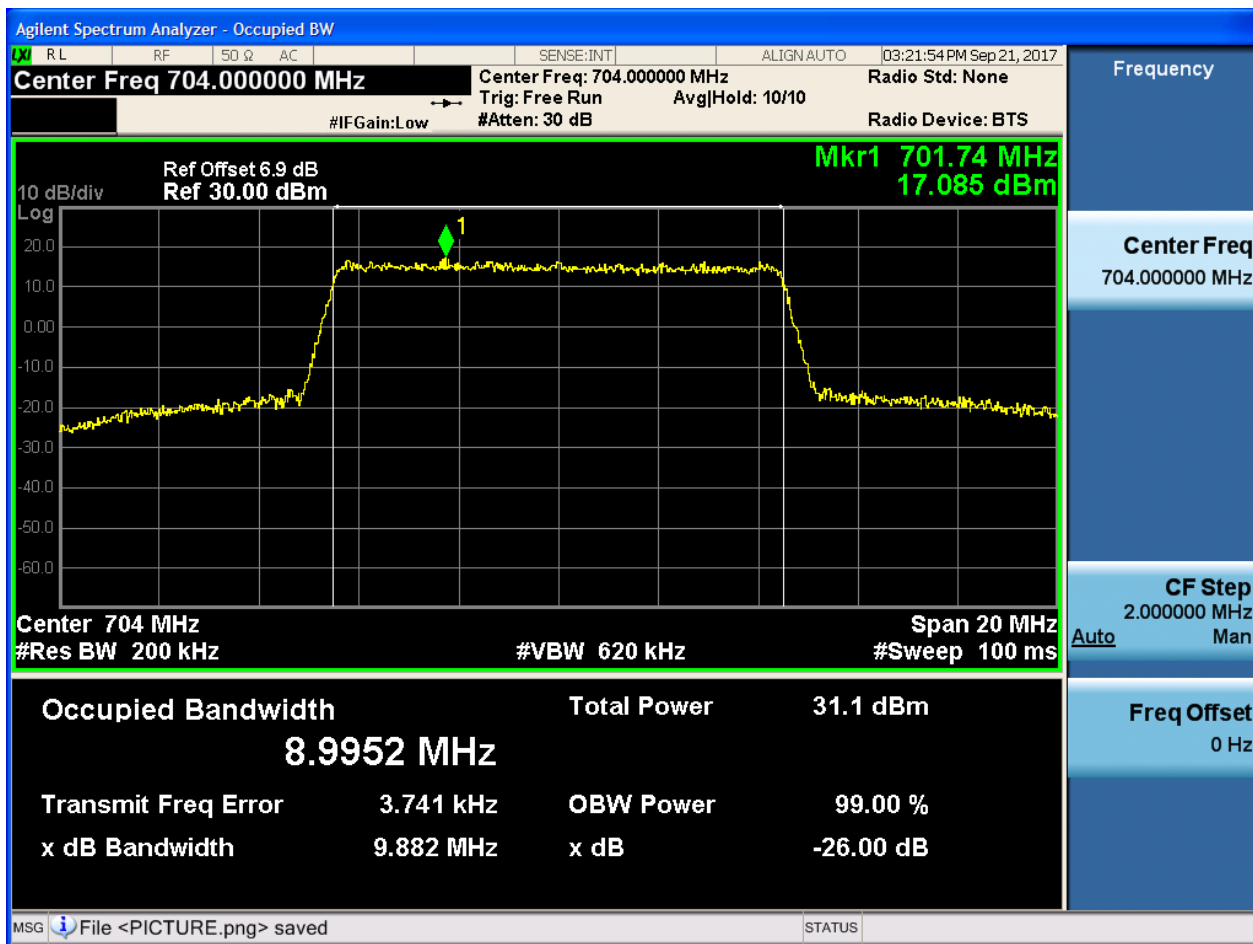




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

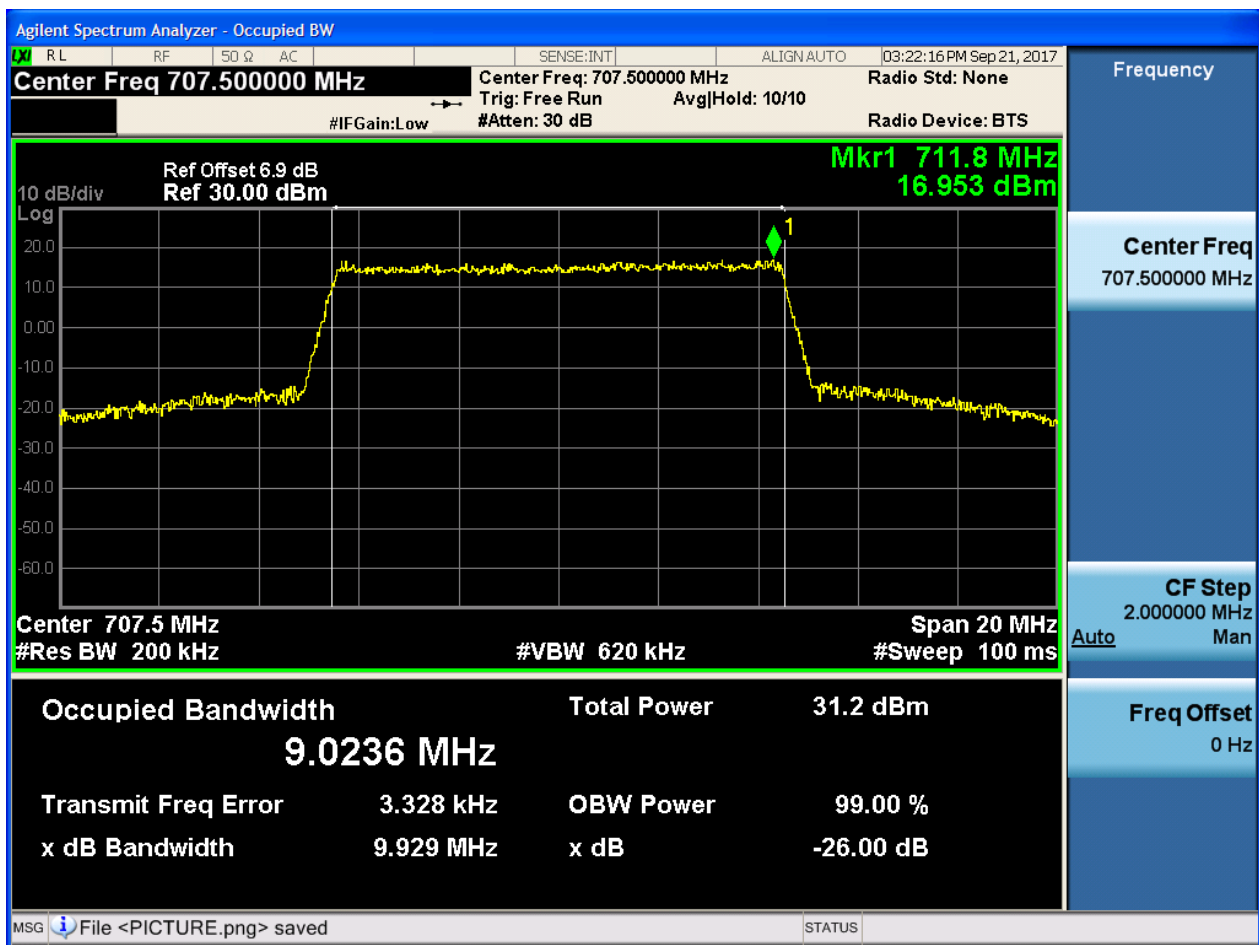
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

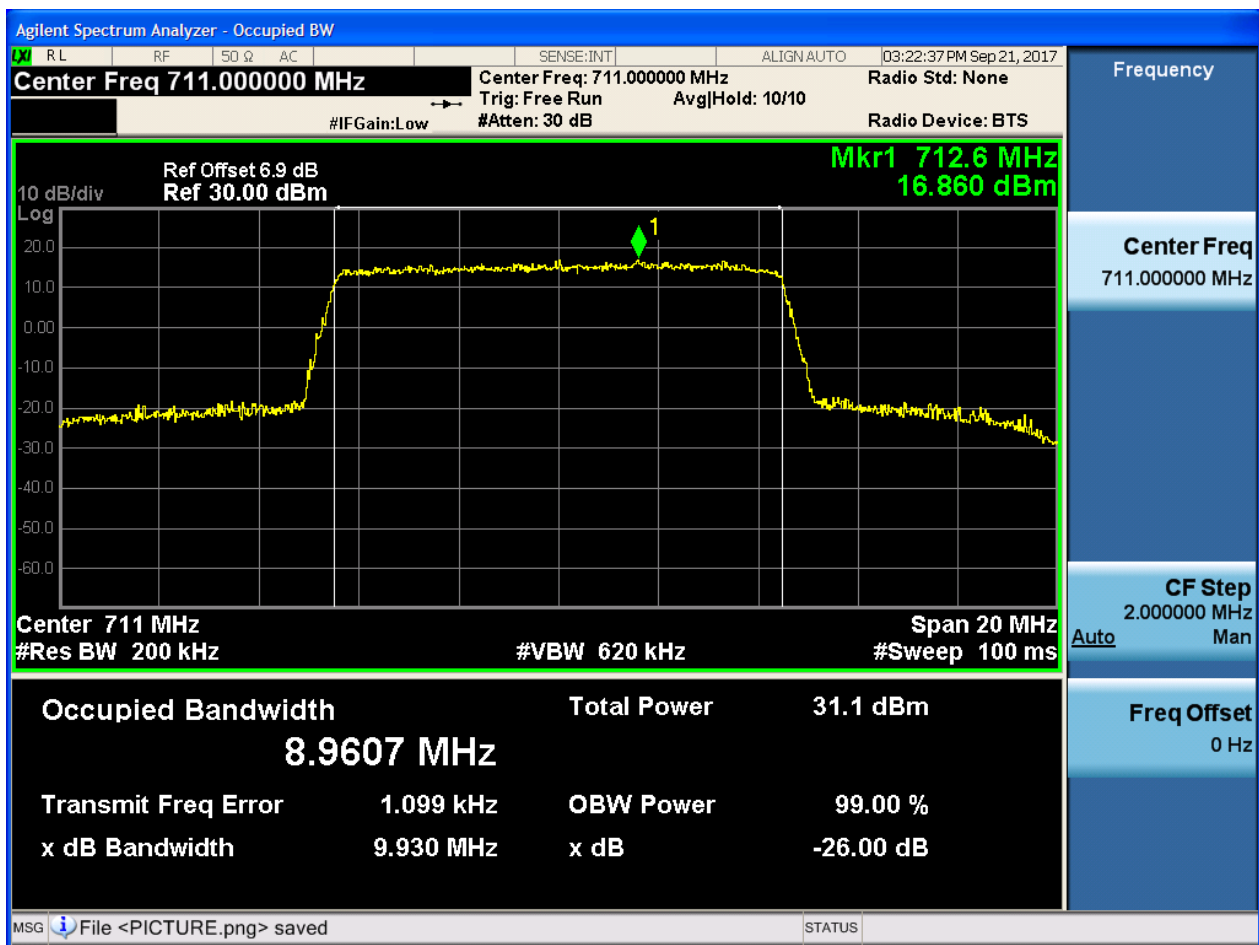
4.1.1.2.4.2.1 Test RB = RB50#0





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

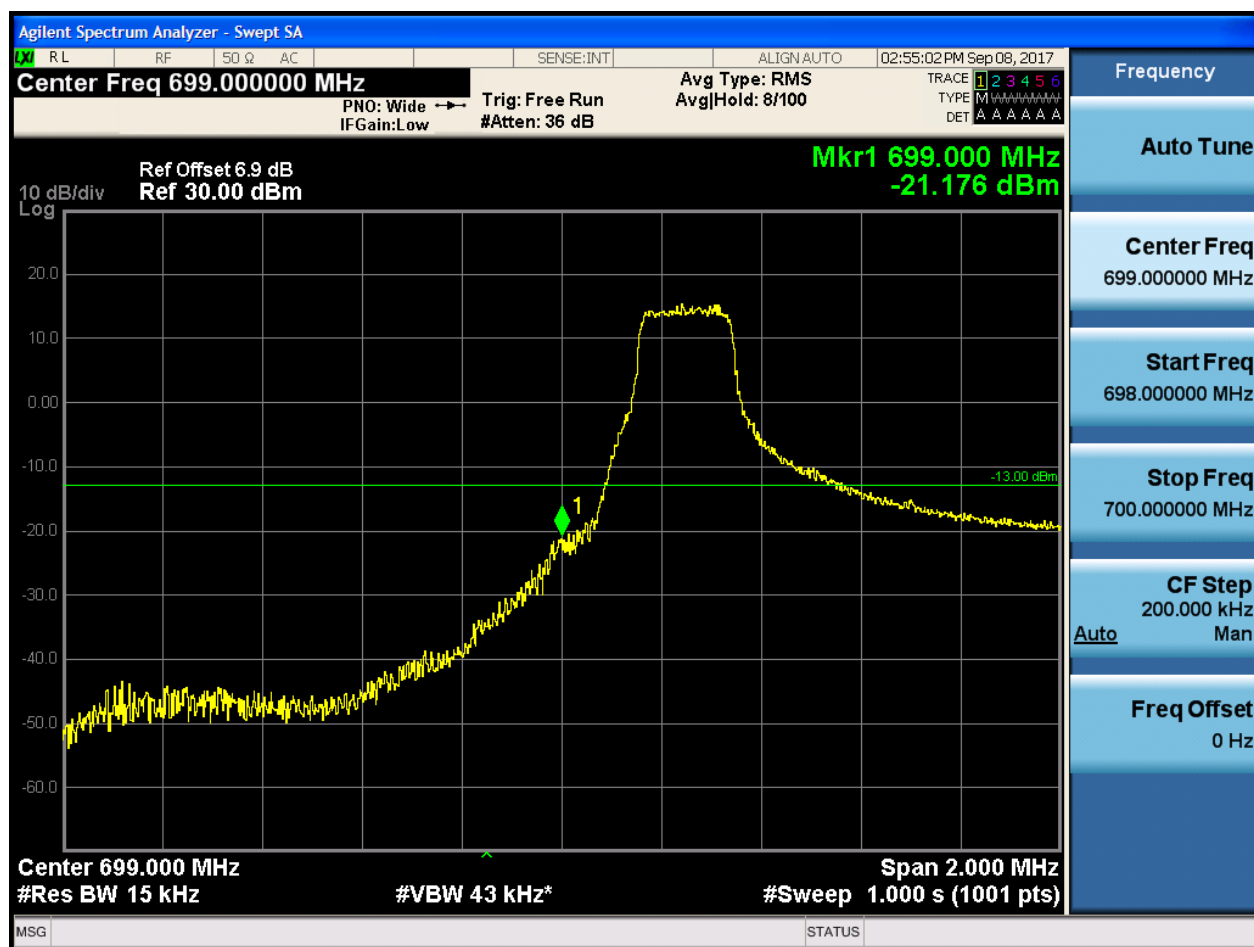
5.1.1 Test Band = BAND12

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:55:16 PM Sep 08, 2017

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

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-47.703 dBm

10 dB/div
Log

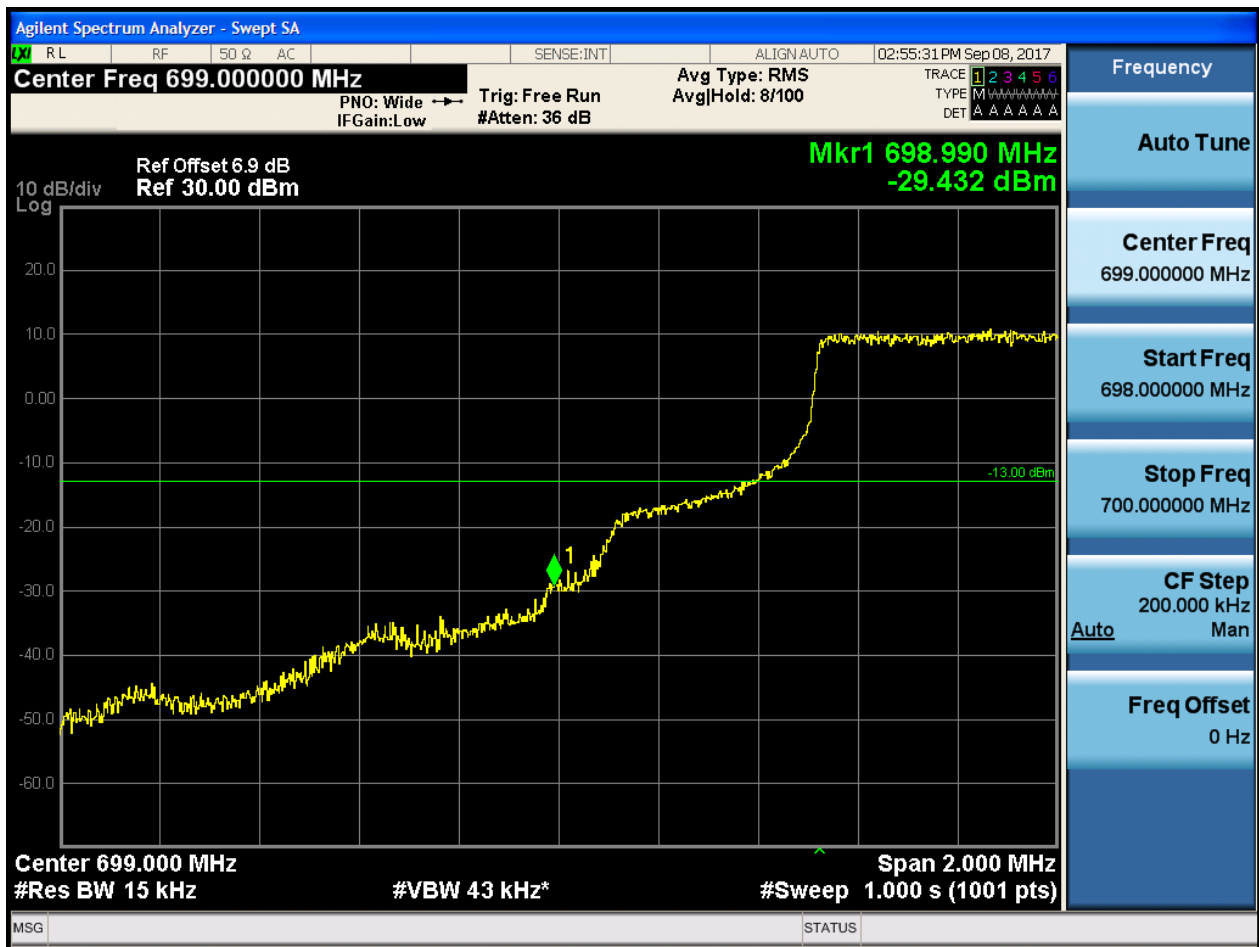
Center Freq 699.000000 MHz
Start Freq 698.000000 MHz
Stop Freq 700.000000 MHz
CF Step 200.000 kHz
Auto Man
Freq Offset 0 Hz

Center 699.000 MHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

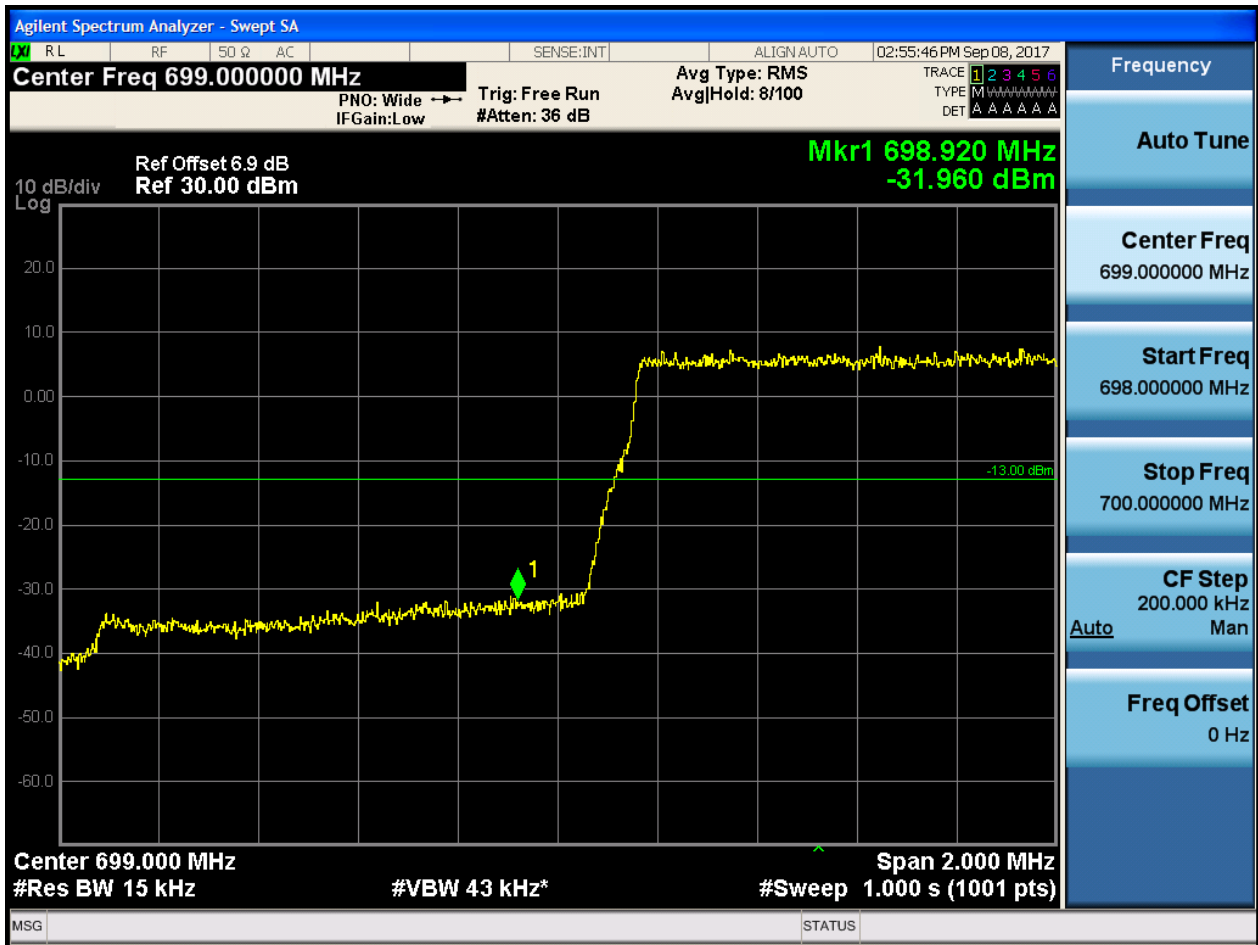
MSG STATUS



5.1.1.1.1.3 Test RB = RB3#2

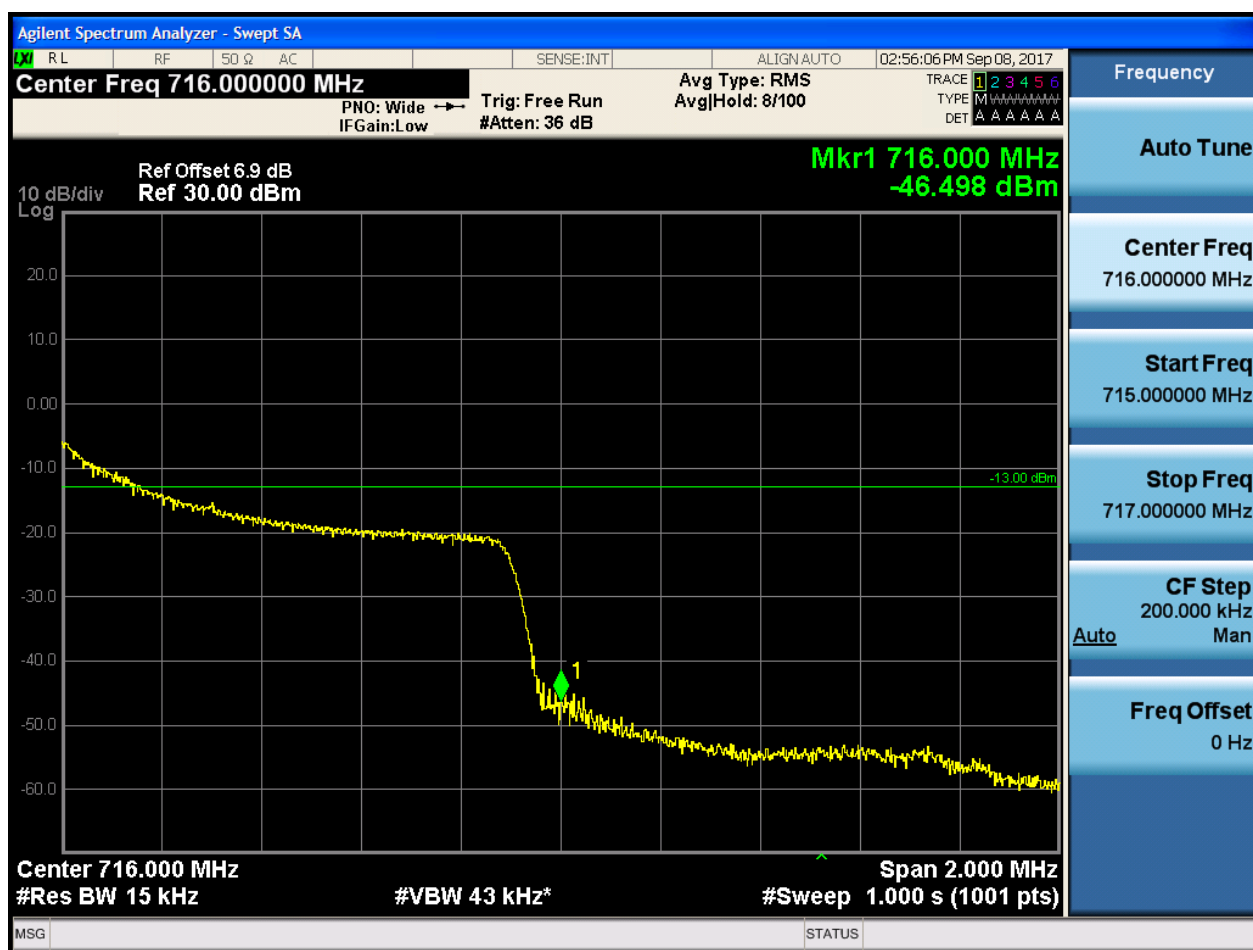


5.1.1.1.1.1.4 Test RB = RB6#0

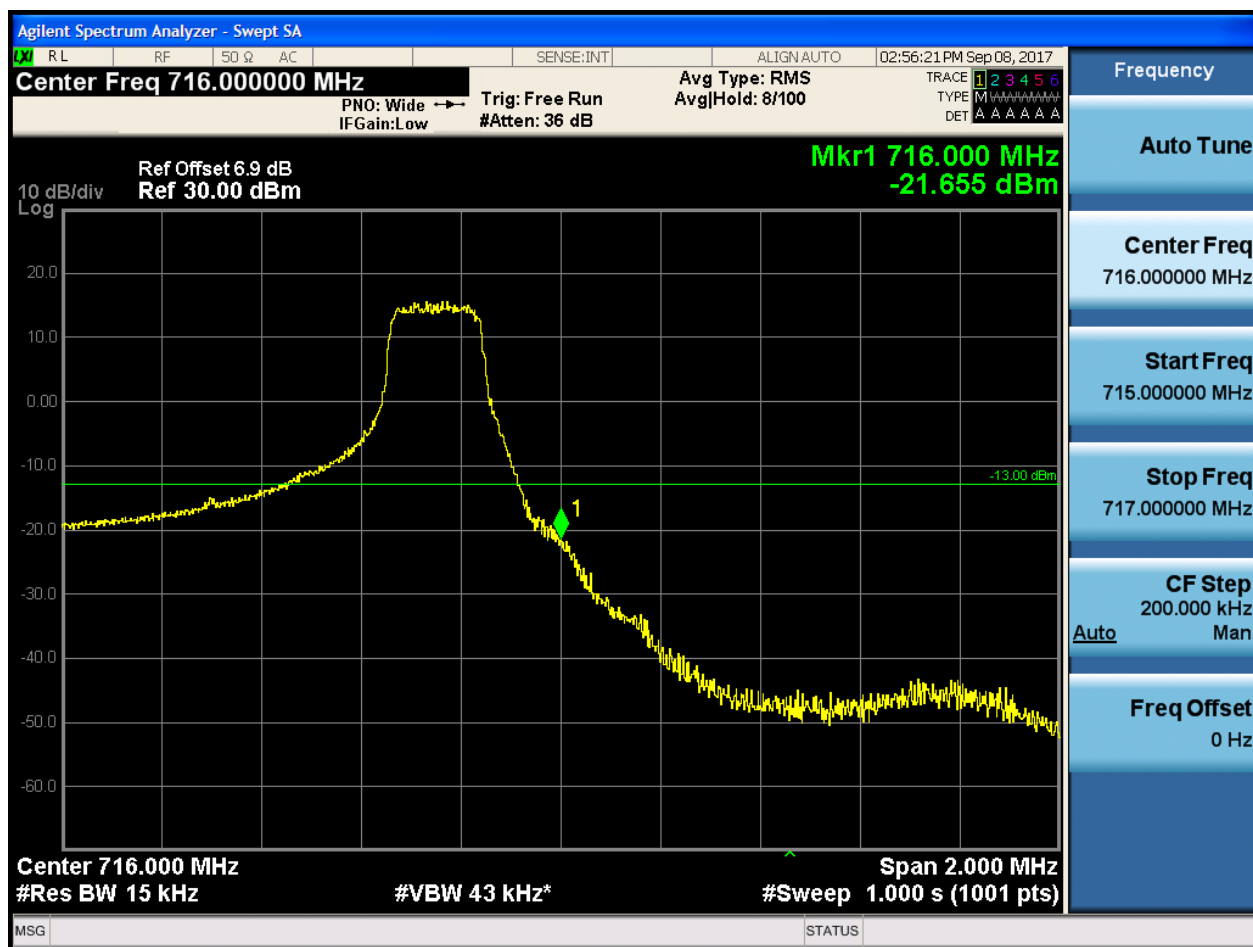


5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



5.1.1.1.1.2.2 Test RB = RB1#5

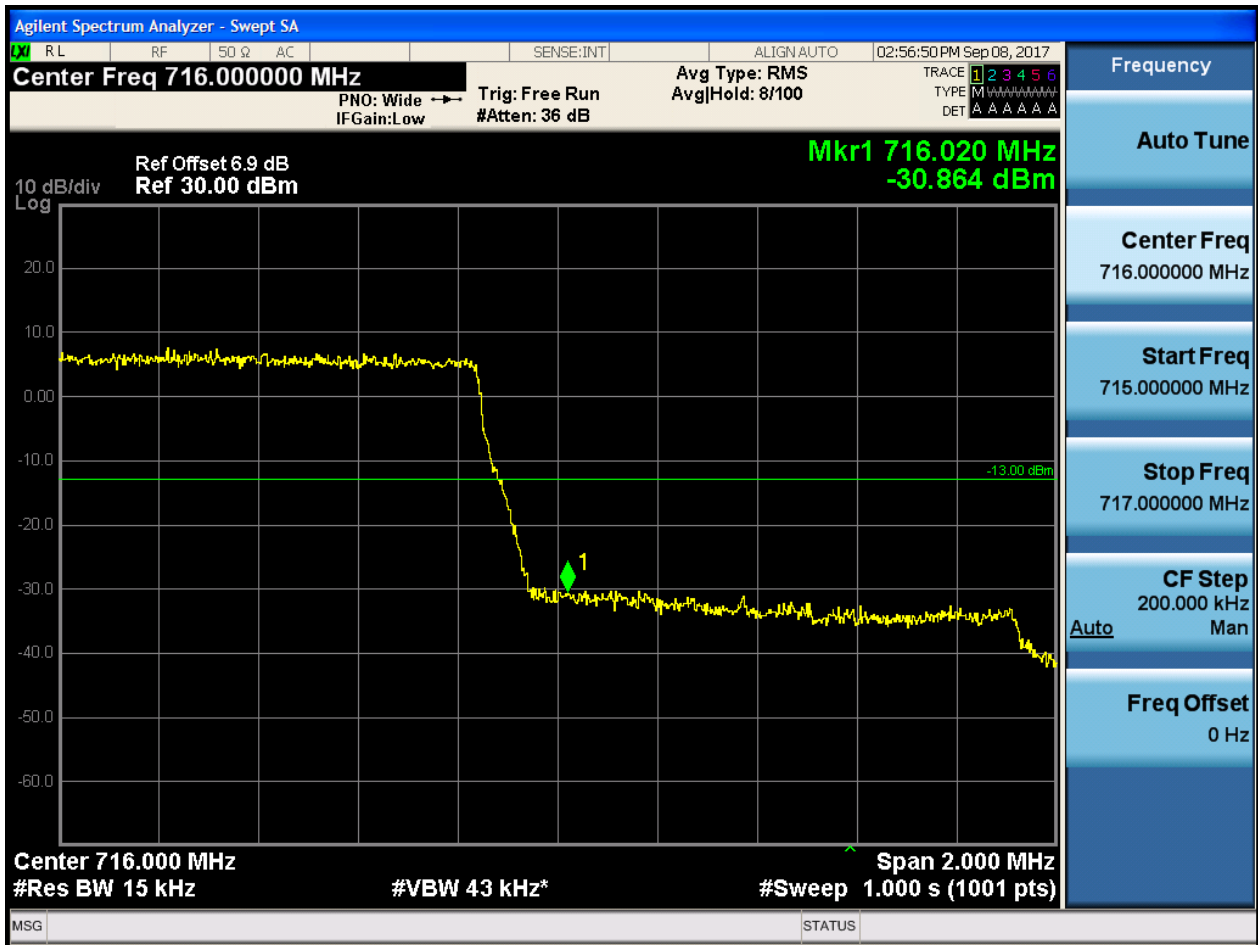




5.1.1.1.1.2.3 Test RB = RB3#2



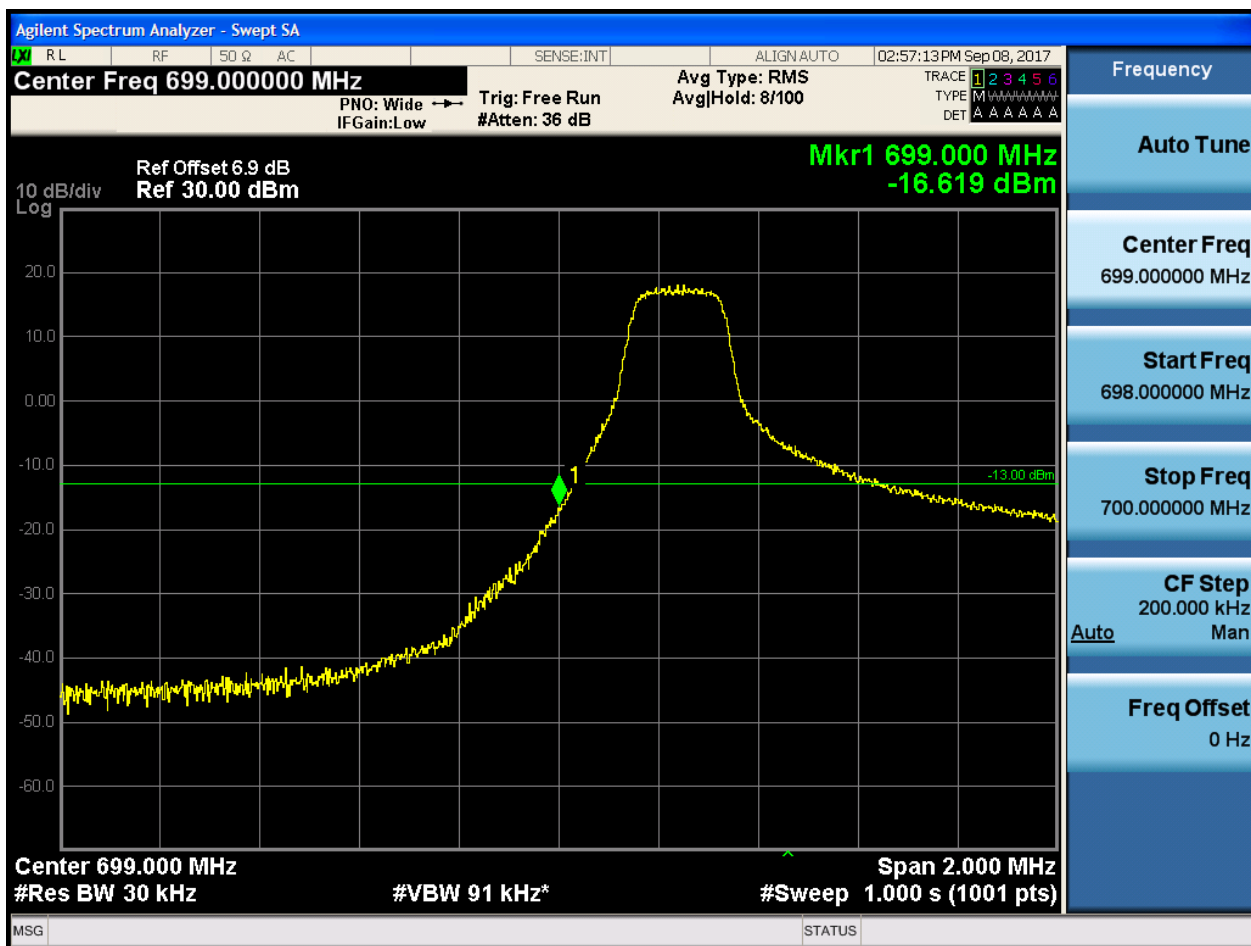
5.1.1.1.1.2.4 Test RB = RB6#0



5.1.1.1.2 Test Bandwidth = 3

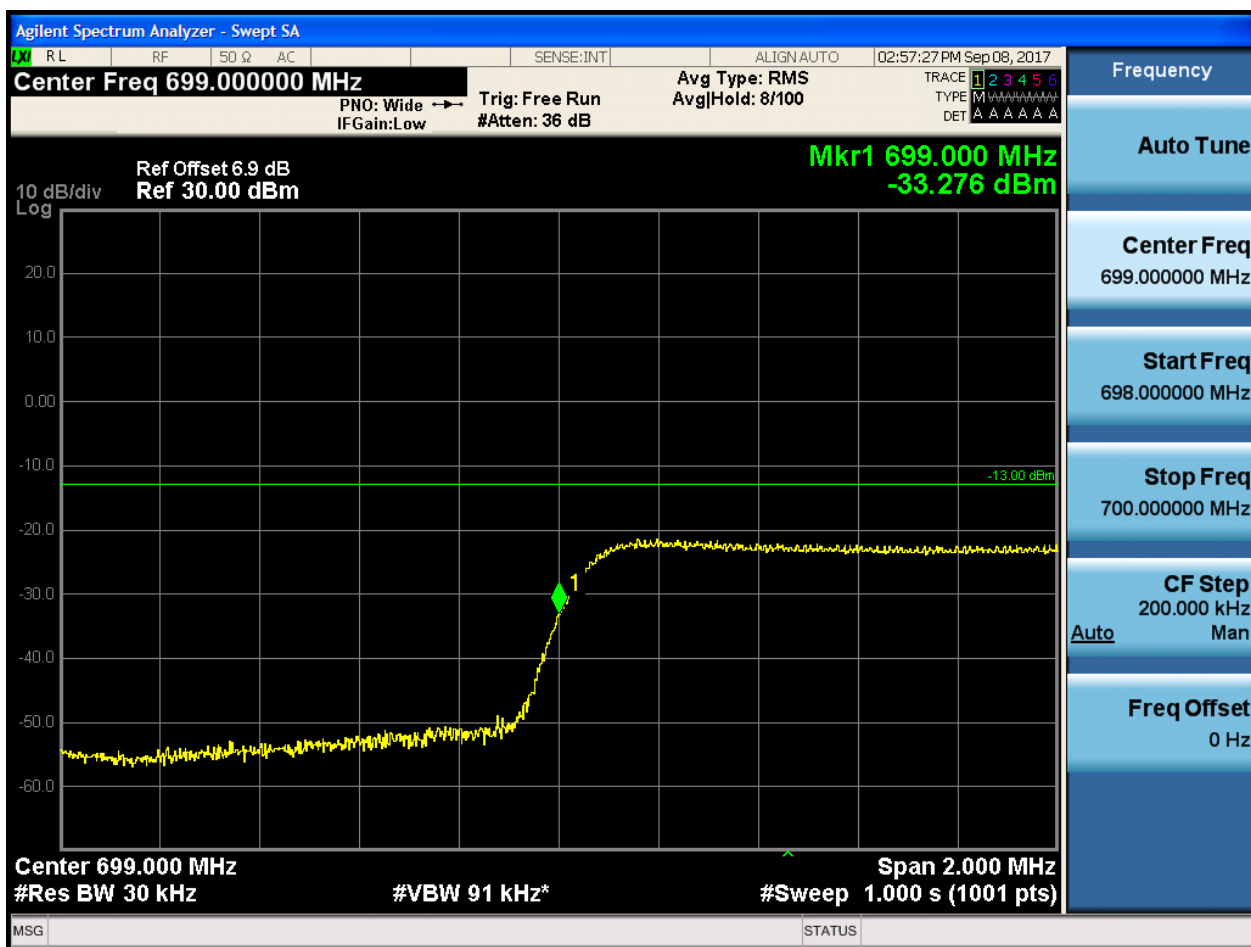
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 699.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 699.000 MHz
-31.623 dBm

Center 699.000 MHz
#Res BW 30 kHz

#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
699.000000 MHz

Start Freq
698.000000 MHz

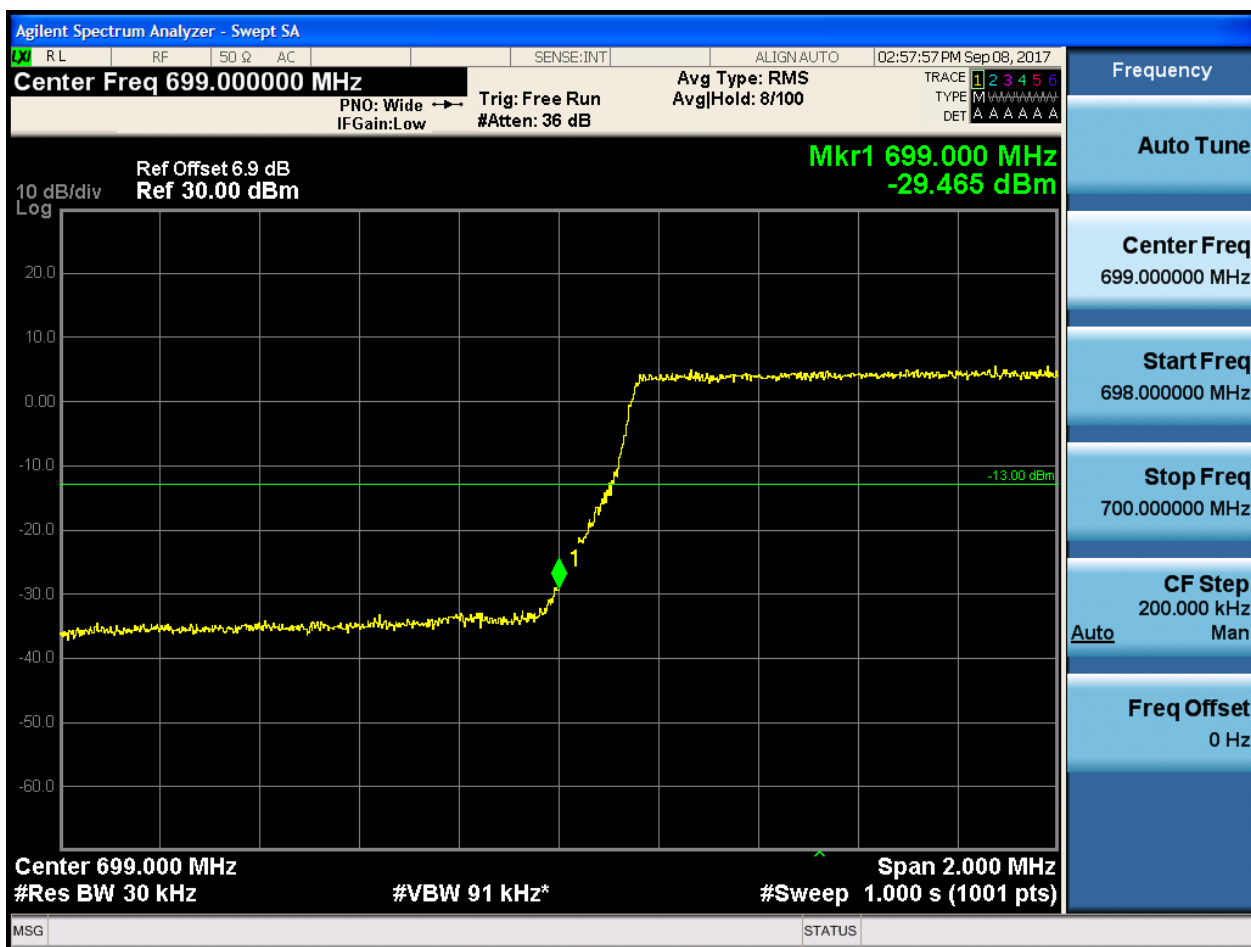
Stop Freq
700.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

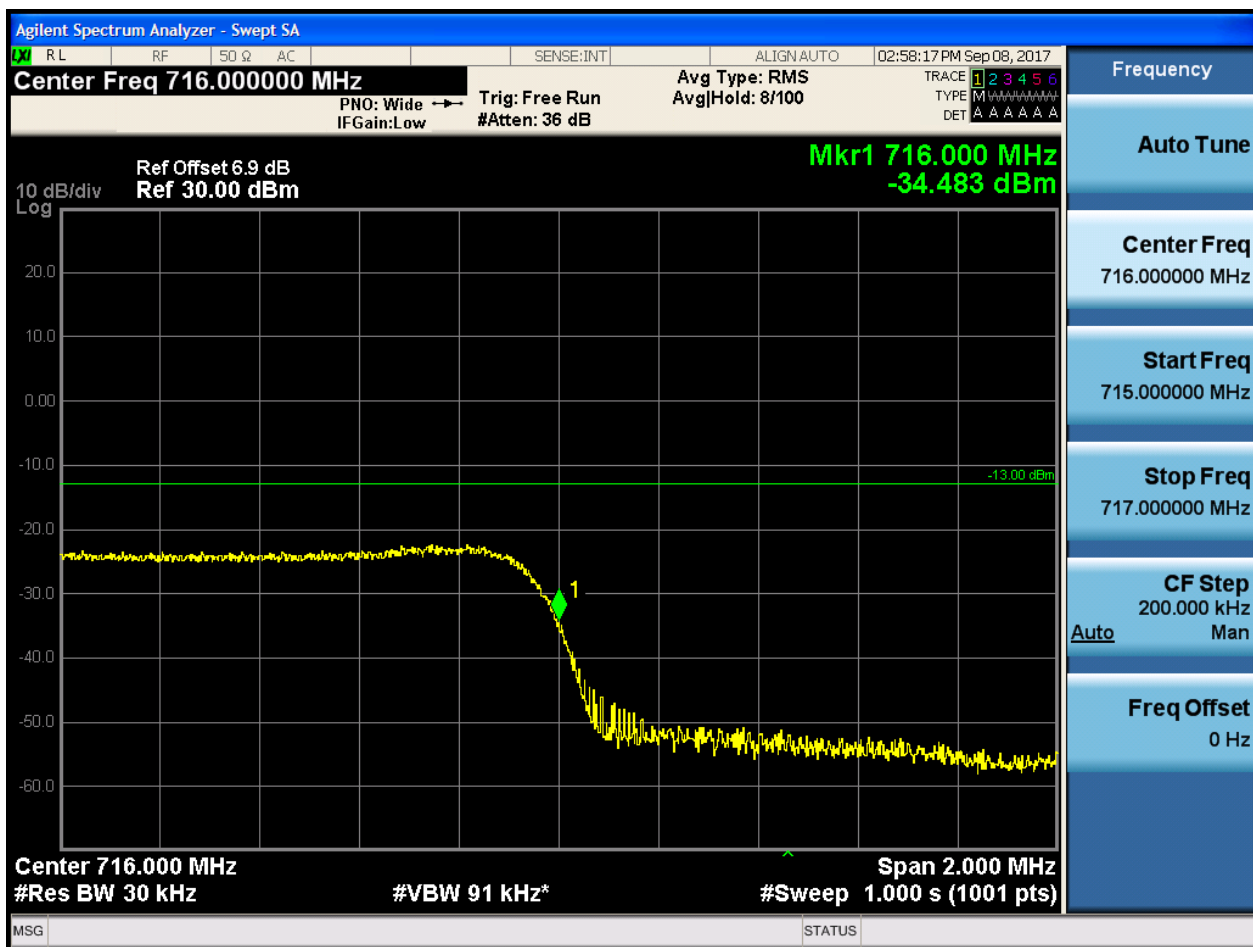


5.1.1.1.2.1.4 Test RB = RB15#0



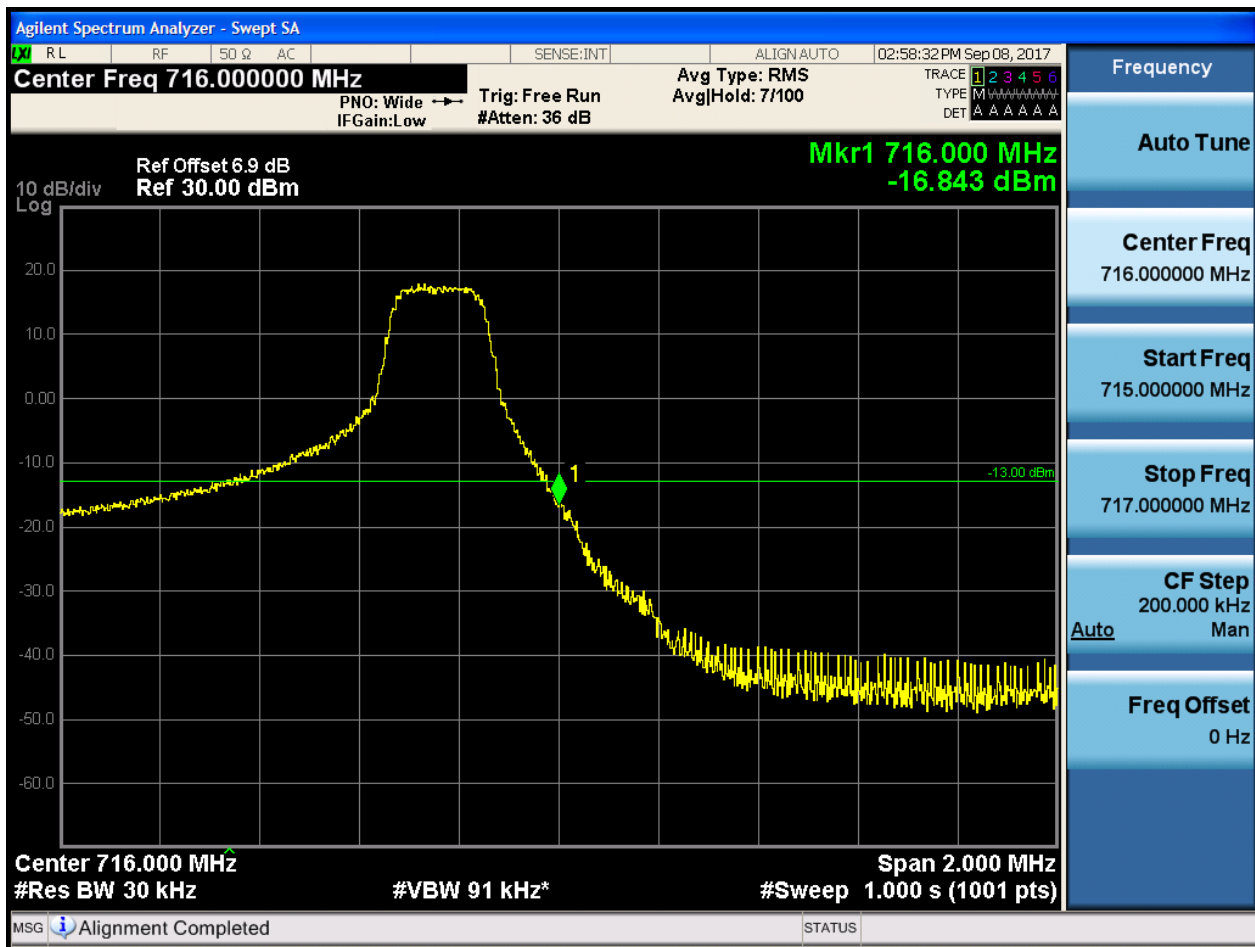
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 716.000 MHz
-29.066 dBm

10 dB/div
Log

Center 716.000 MHz
#Res BW 30 kHz
#VBW 91 kHz
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Auto

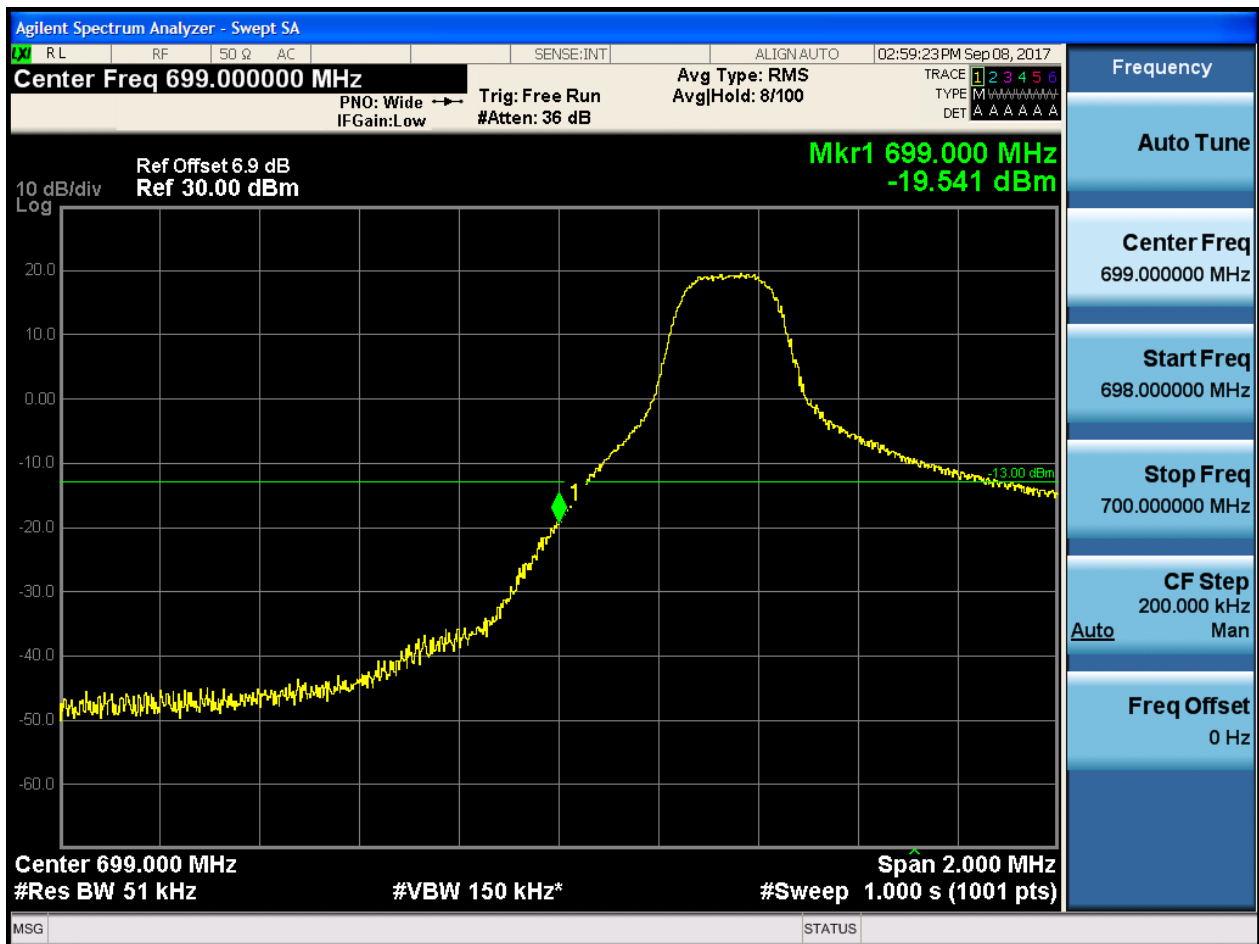
Freq Offset
0 Hz



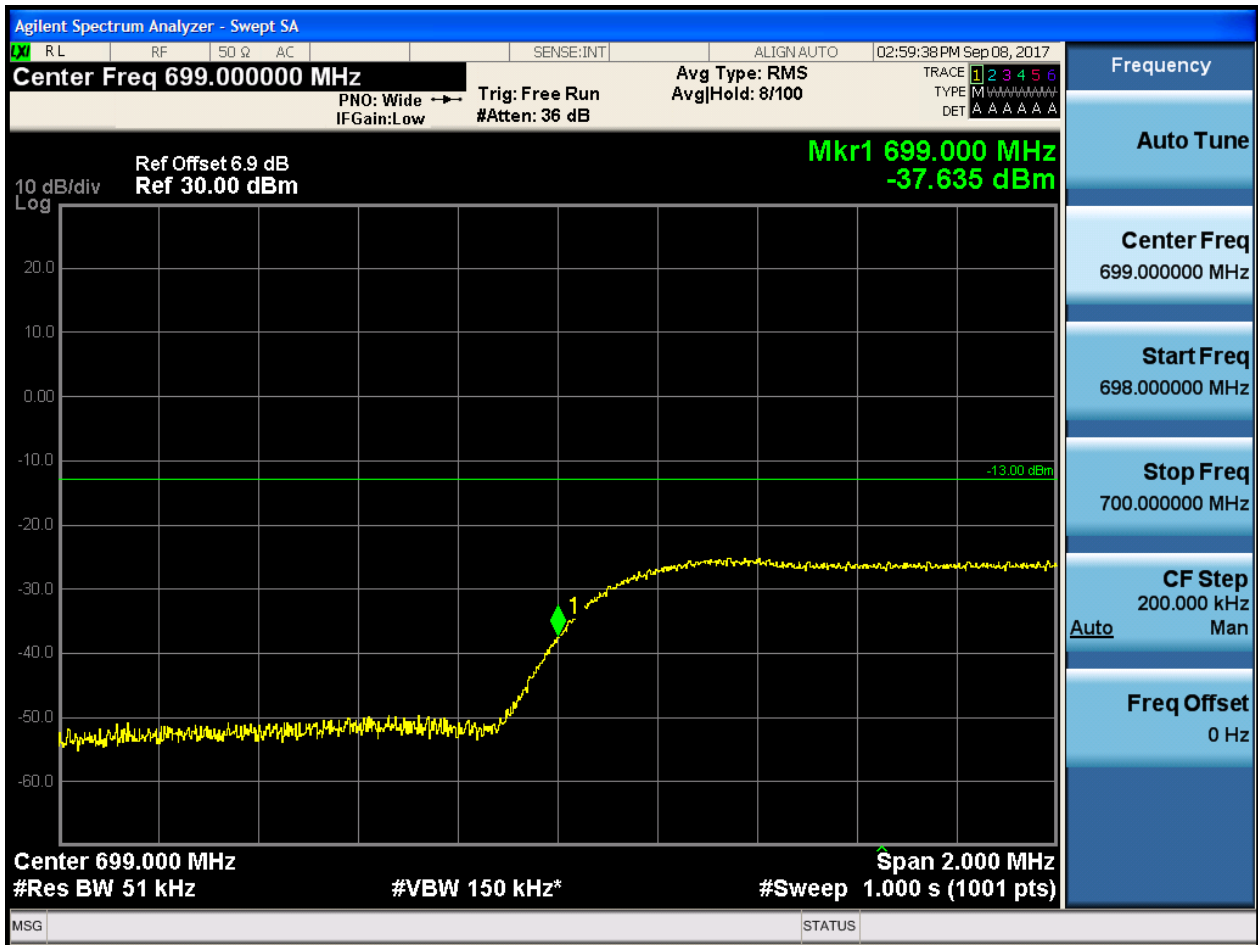
5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0

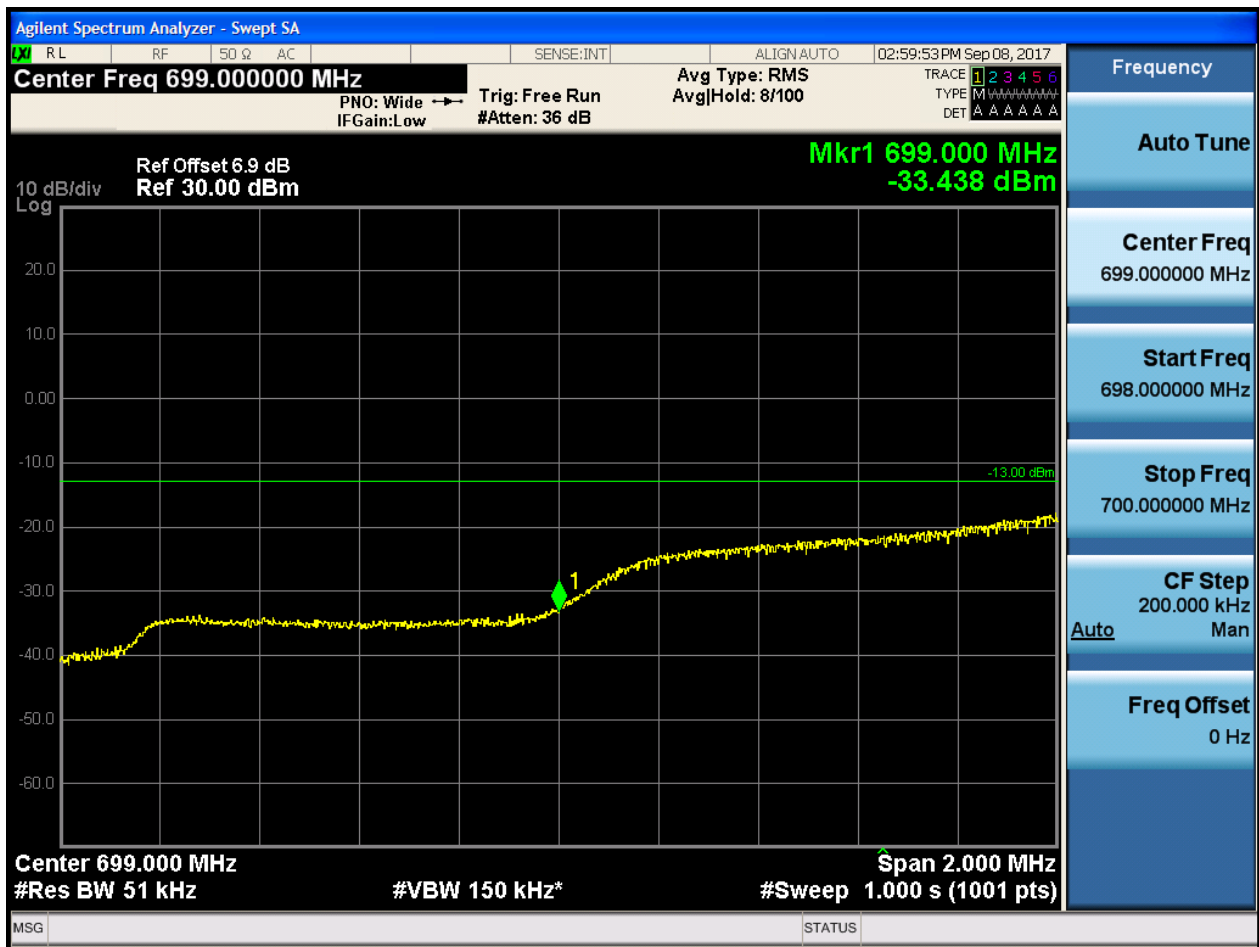


5.1.1.1.3.1.2 Test RB = RB1#24



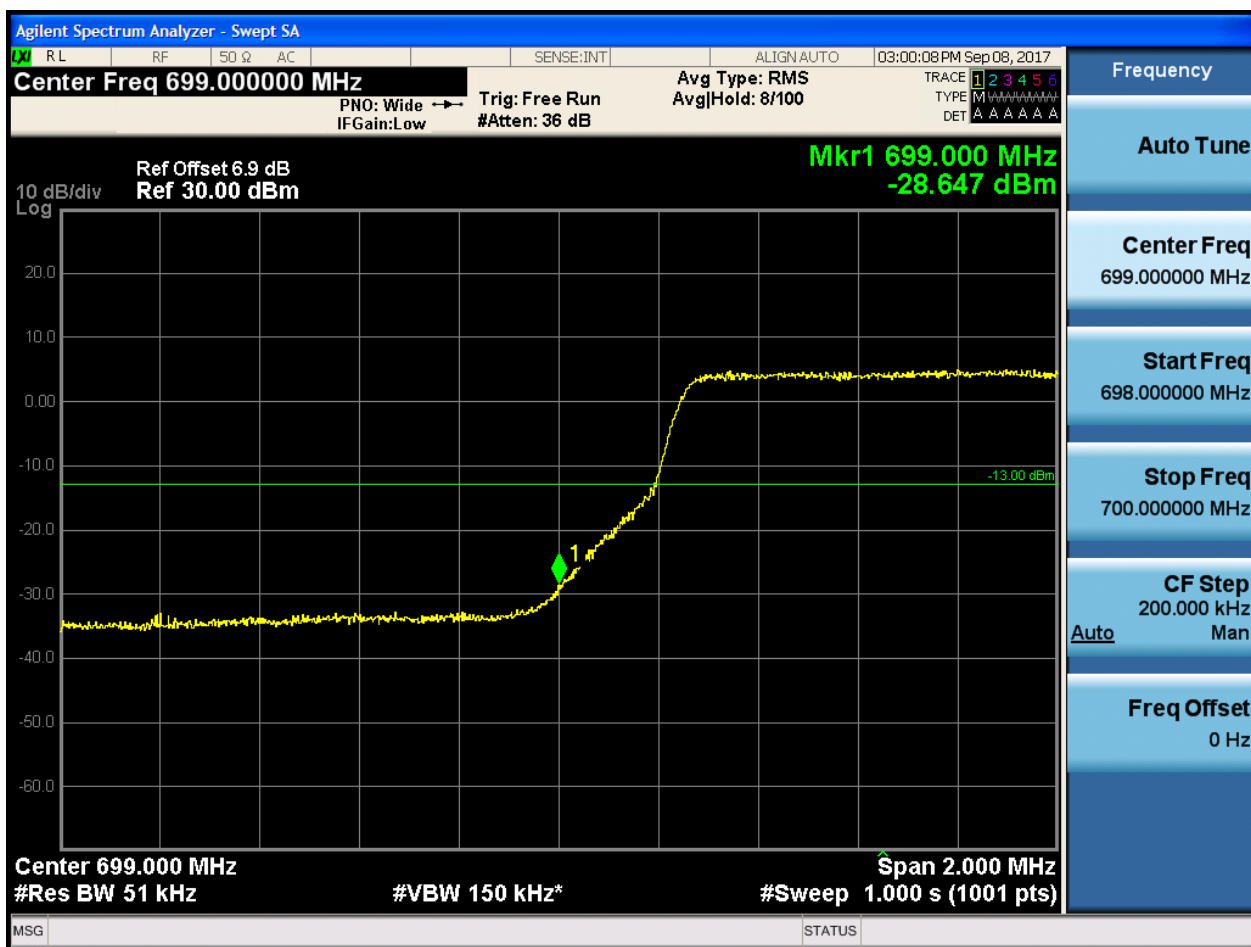


5.1.1.1.3.1.3 Test RB = RB12#6



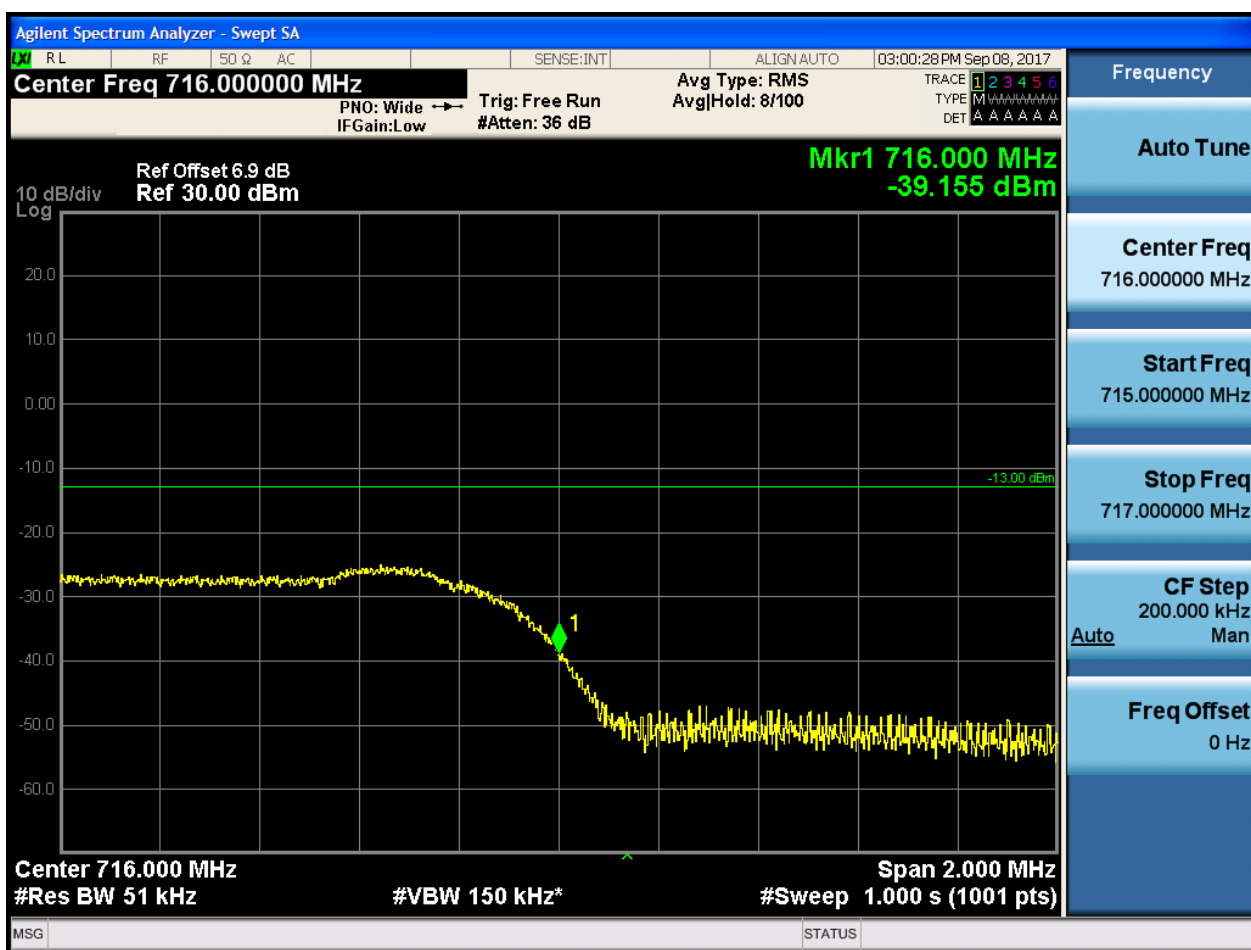


5.1.1.1.3.1.4 Test RB = RB25#0



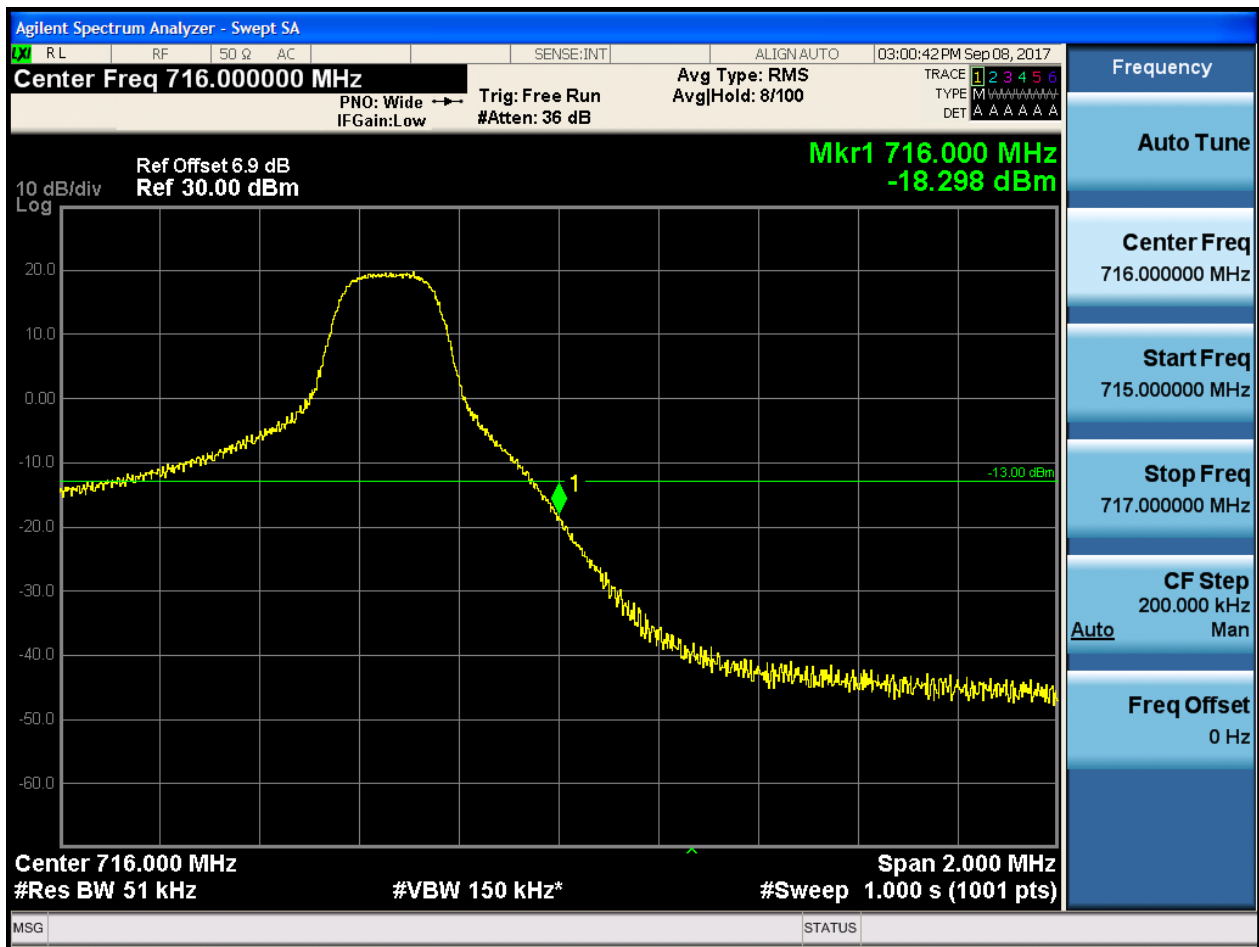
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.600 MHz
-32.372 dBm

Center 716.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 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



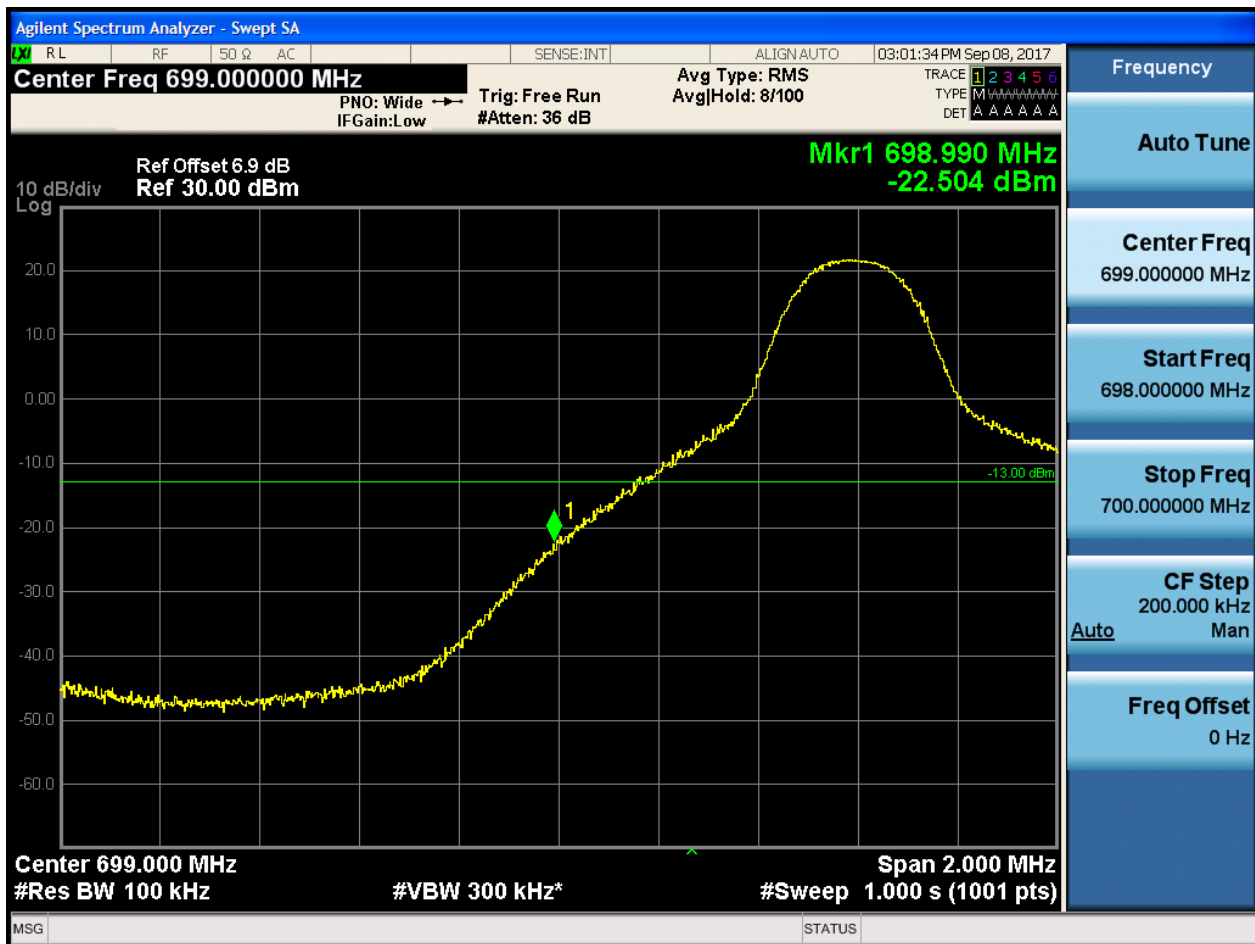
5.1.1.1.3.2.4 Test RB = RB25#0



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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:01:48 PM Sep 08, 2017

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 6.9 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-40.932 dBm

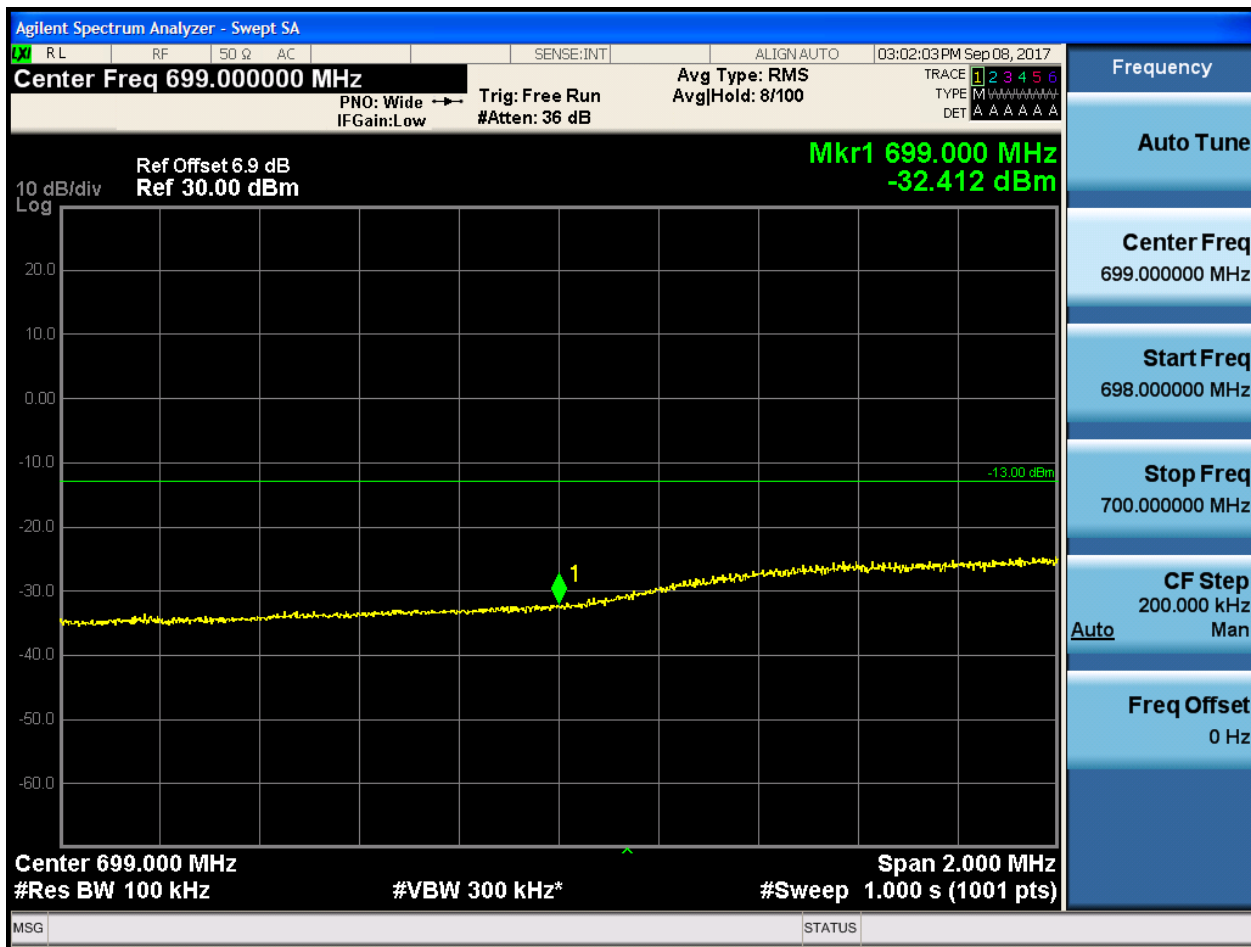
10 dB/div
Log

Center 699.000 MHz
#Res BW 100 kHz #VBW 300 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

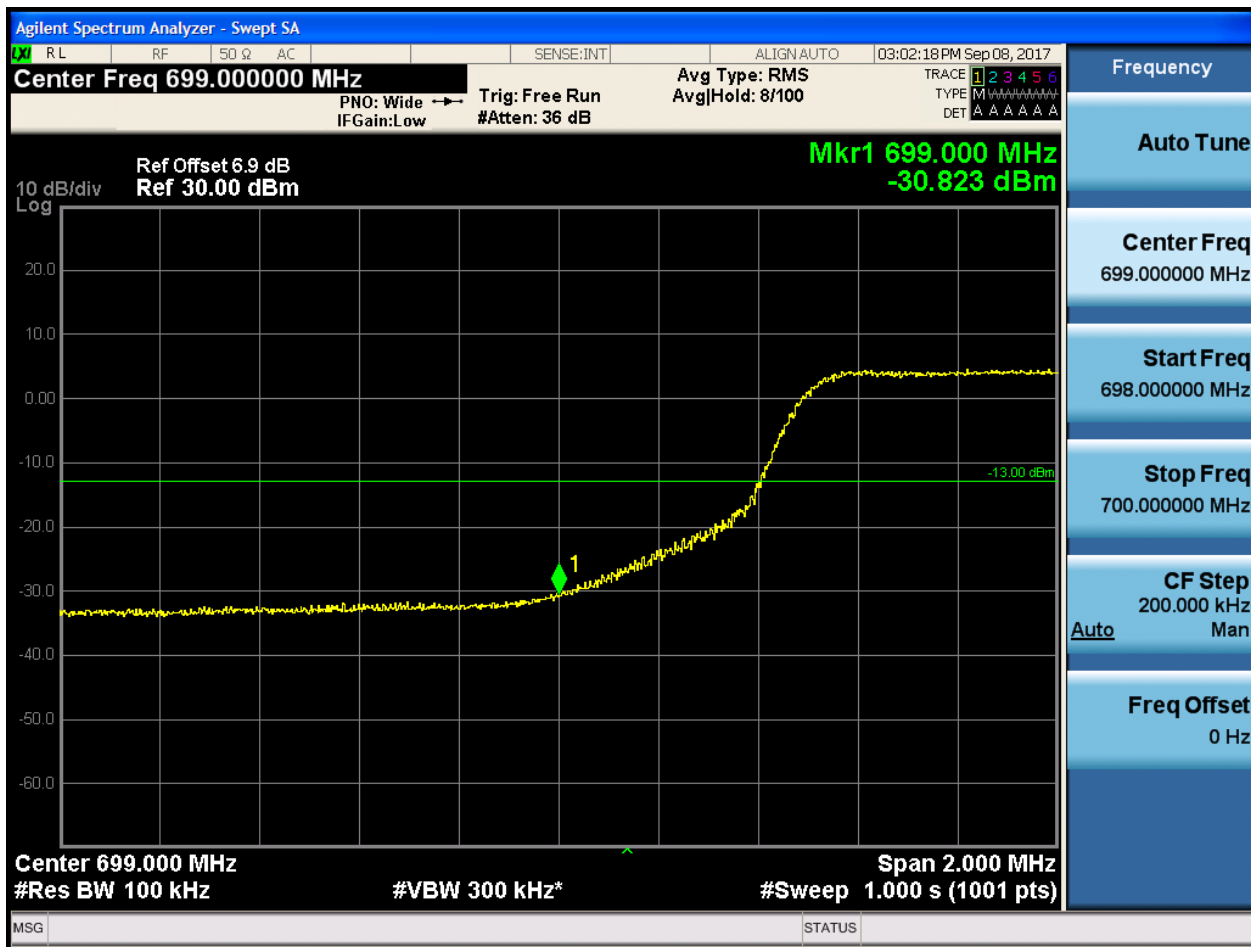


5.1.1.1.4.1.3 Test RB = RB25#13



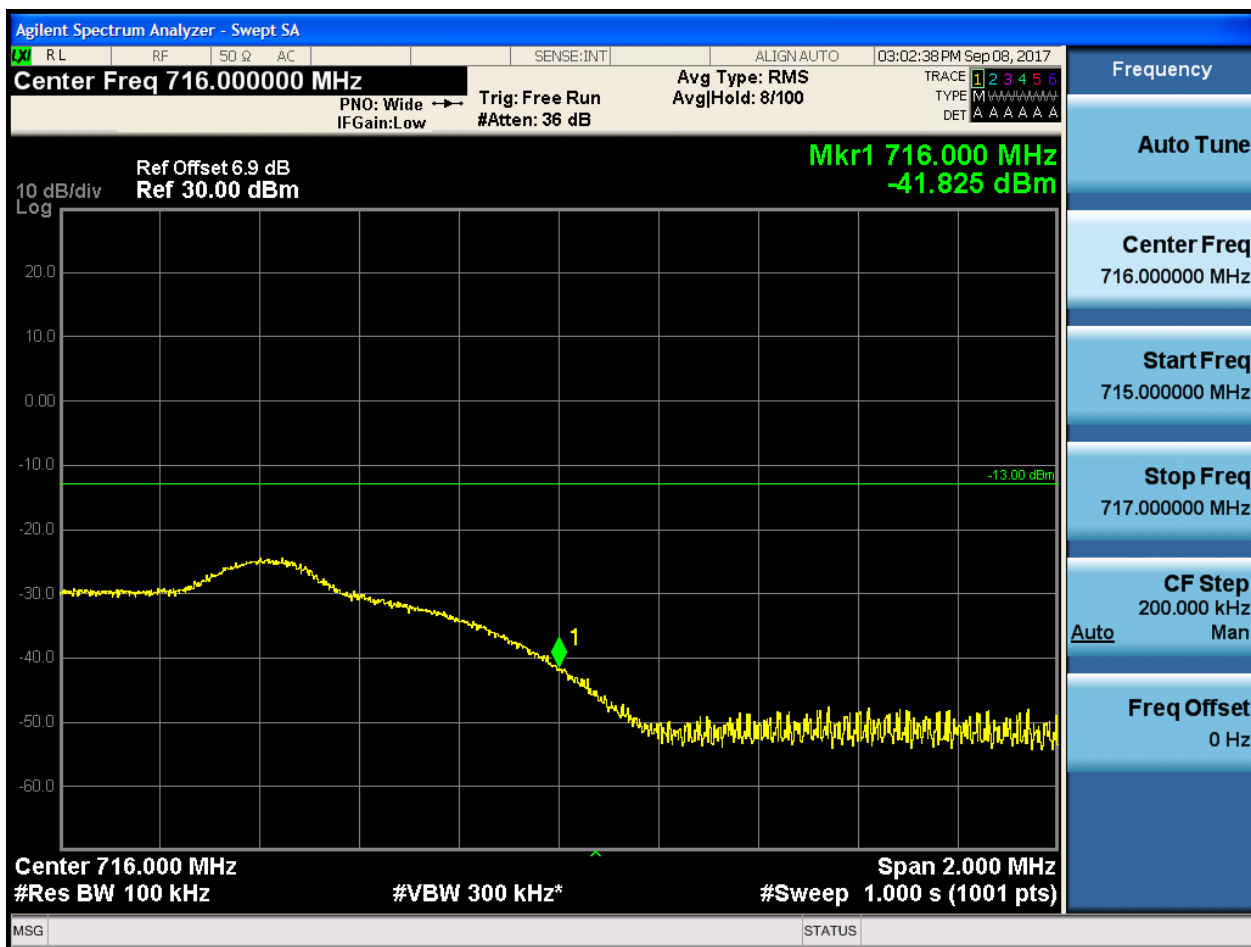


5.1.1.1.4.1.4 Test RB = RB50#0



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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:02:52 PM Sep 08, 2017

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run
#Atten: 36 dB AvgHold: 8/100

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 6.9 dB
Ref 30.00 dBm

Mkr1 716.000 MHz
-21.854 dBm

10 dB/div
Log

Center 716.000 MHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.1.4.2.3 Test RB = RB25#13



5.1.1.1.4.2.4 Test RB = RB50#0

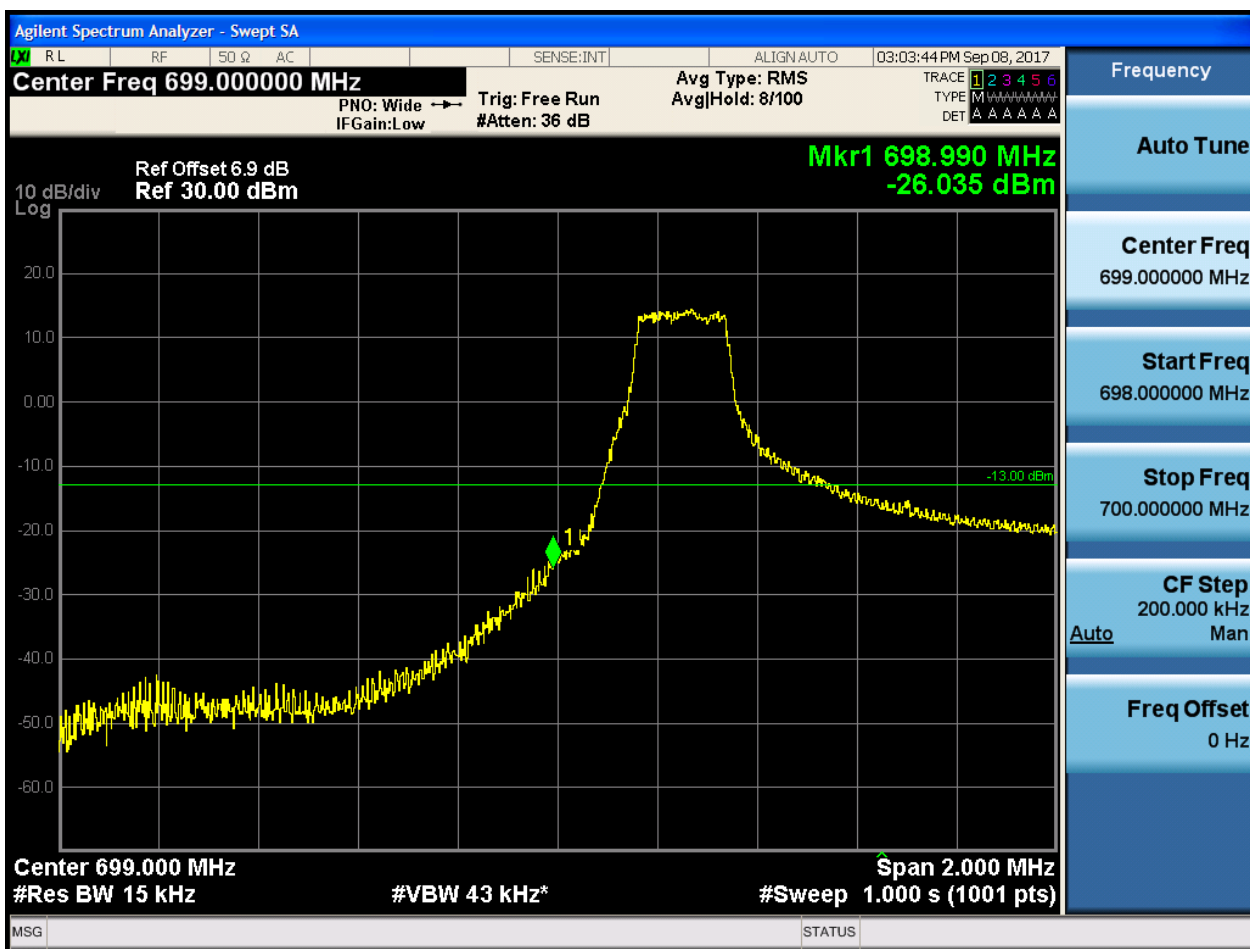


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

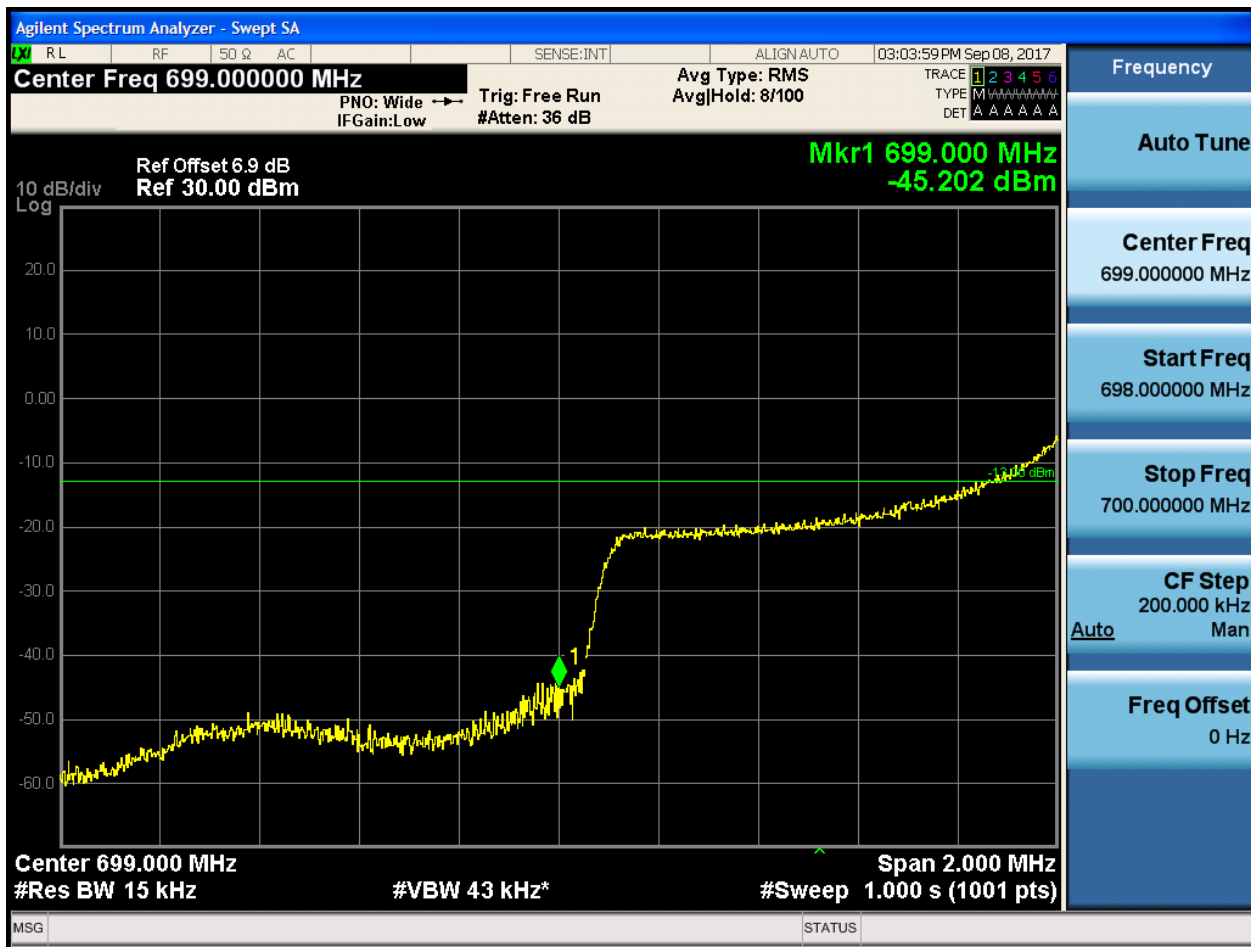
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0

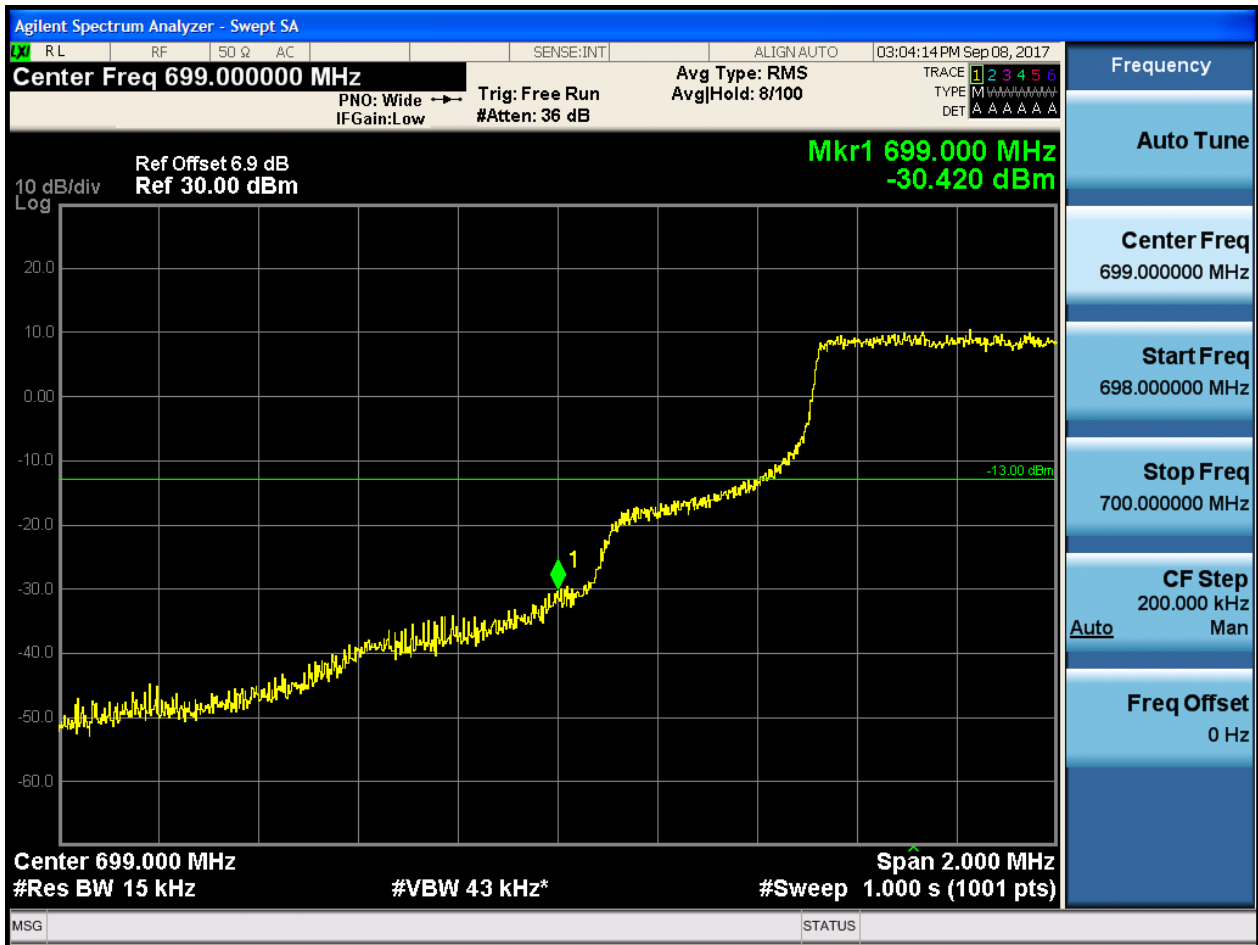




5.1.1.2.1.1.2 Test RB = RB1#5



5.1.1.2.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:04:29 PM Sep 08, 2017

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB DET A A A A A

10 dB/div Log Ref Offset 6.9 dB Ref 30.00 dBm

Mkr1 699.000 MHz -30.357 dBm

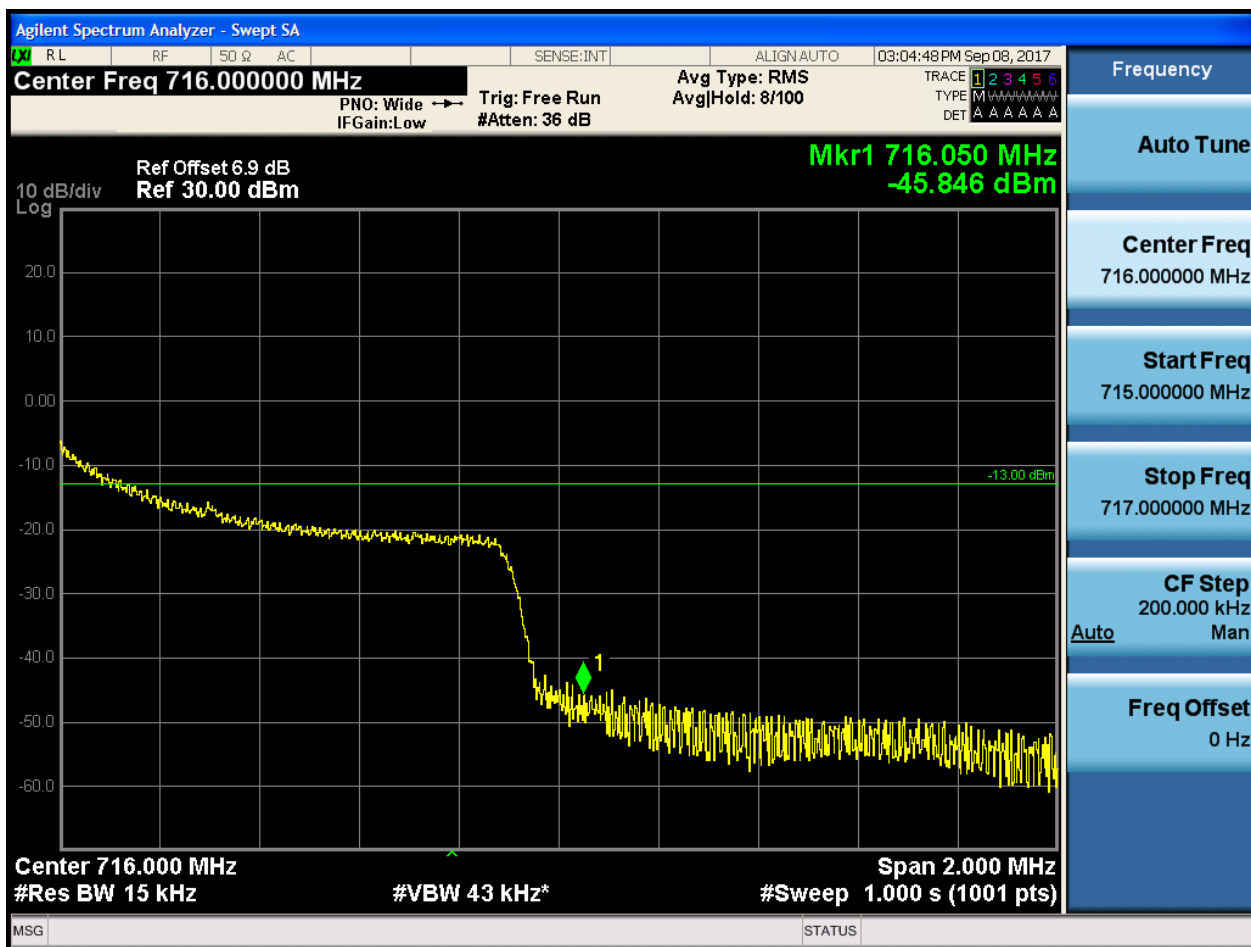
Center Freq 699.000000 MHz
Start Freq 698.000000 MHz
Stop Freq 700.000000 MHz
CF Step 200.000 kHz
Auto Man
Freq Offset 0 Hz

Center 699.000 MHz #Res BW 15 kHz #VBW 43 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

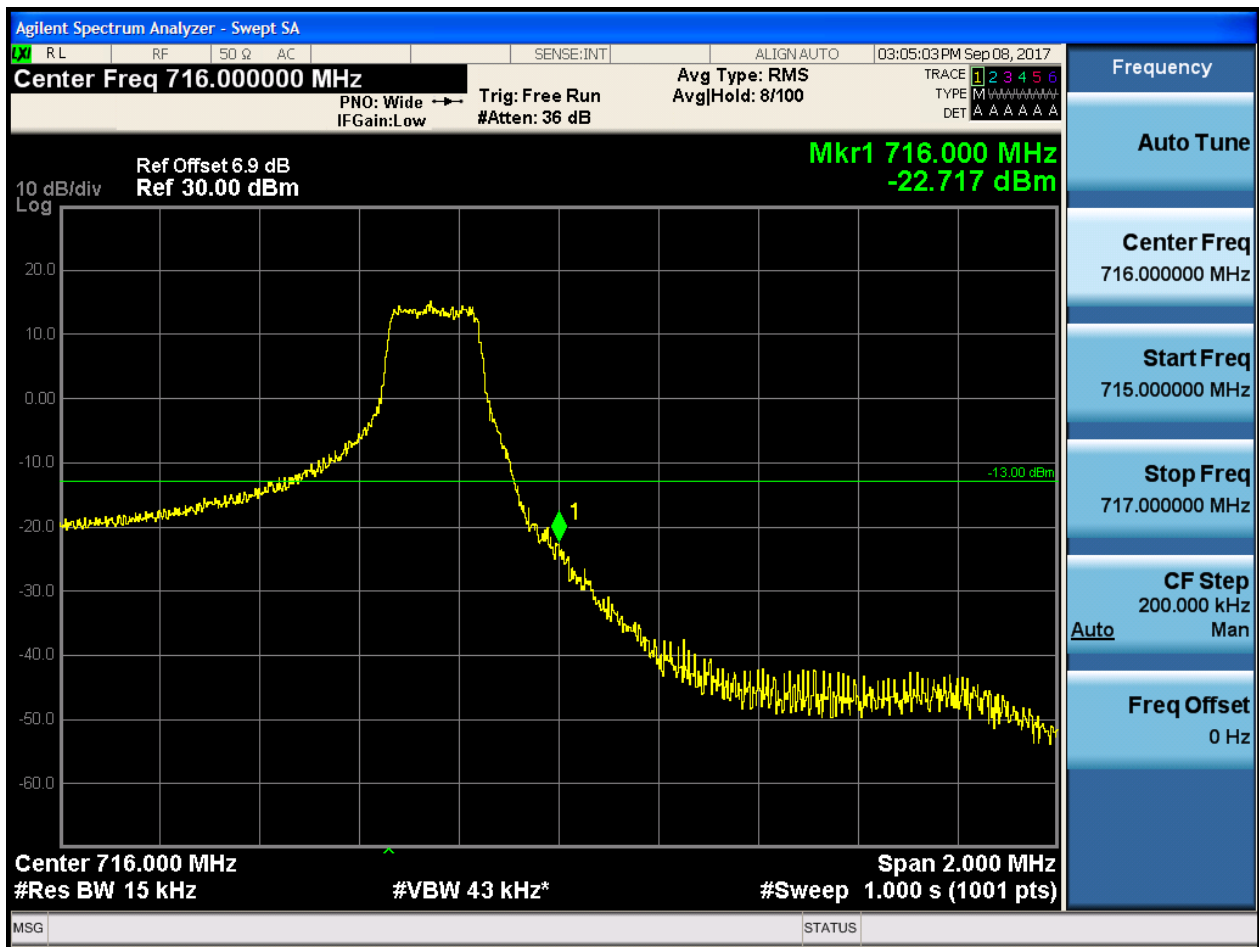
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



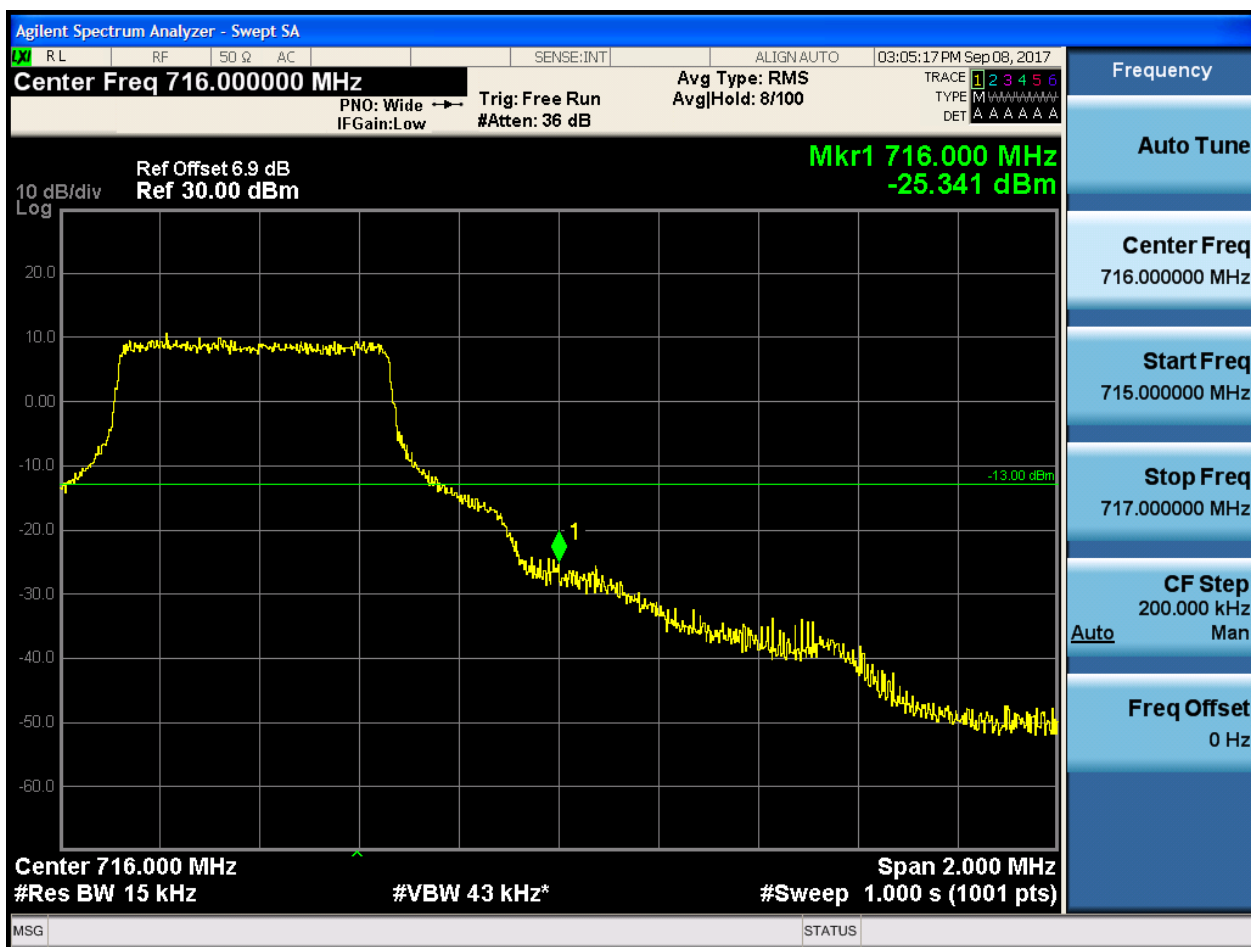


5.1.1.2.1.2.2 Test RB = RB1#5





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 03:05:31 PM Sep 08, 2017

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 716.060 MHz
-29.227 dBm

10 dB/div
Log

Center 716.000 MHz
#Res BW 15 kHz
#VBW 43 kHz

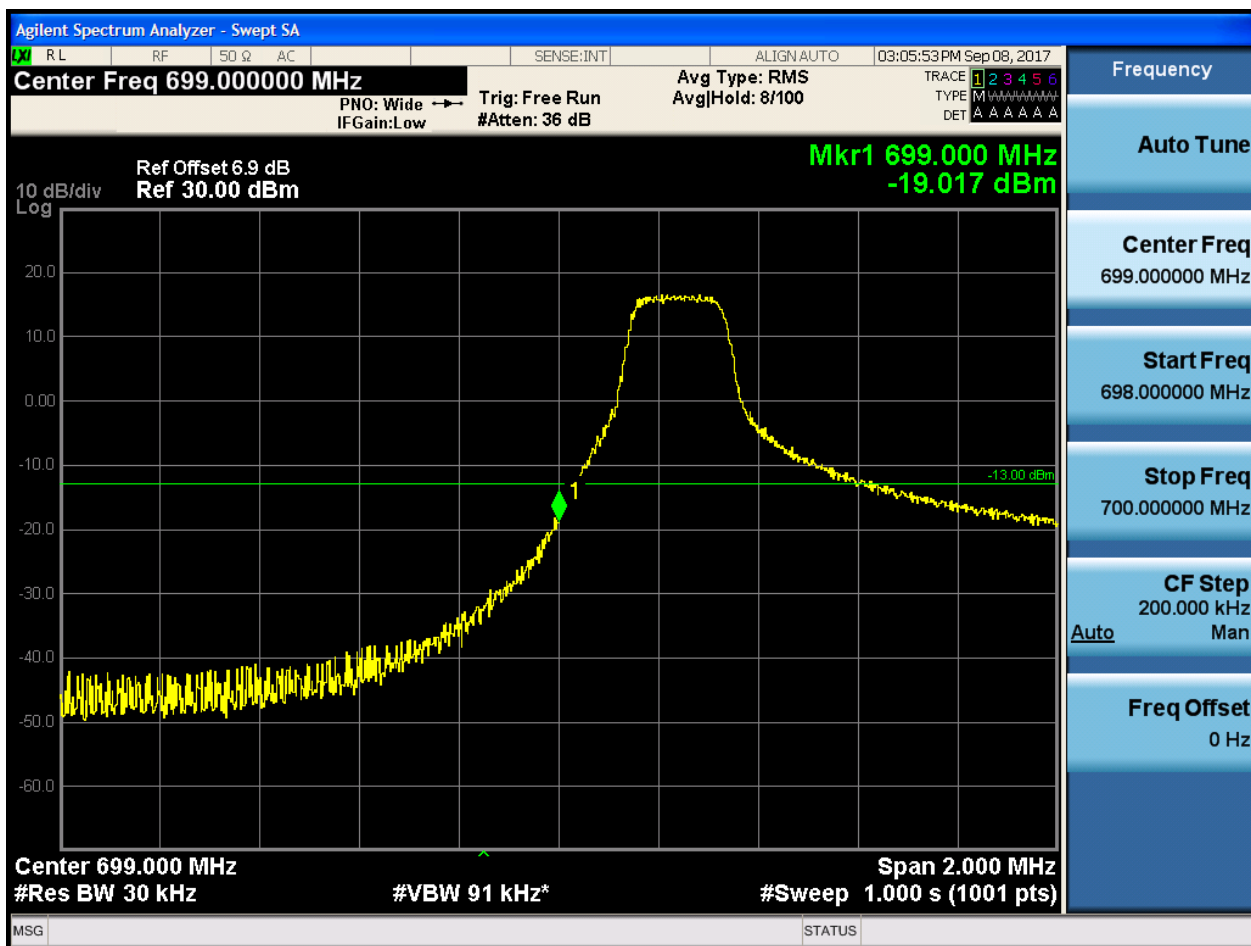
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:06:07 PM Sep 08, 2017

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 6.9 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-34.473 dBm

10 dB/div
Log

Center 699.000 MHz
#Res BW 30 kHz #VBW 91 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:06:21 PM Sep 08, 2017

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide Trg: 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 6.9 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-32.523 dBm

10 dB/div
Log

Center 699.000 MHz
#Res BW 30 kHz

#VBW 91 kHz*

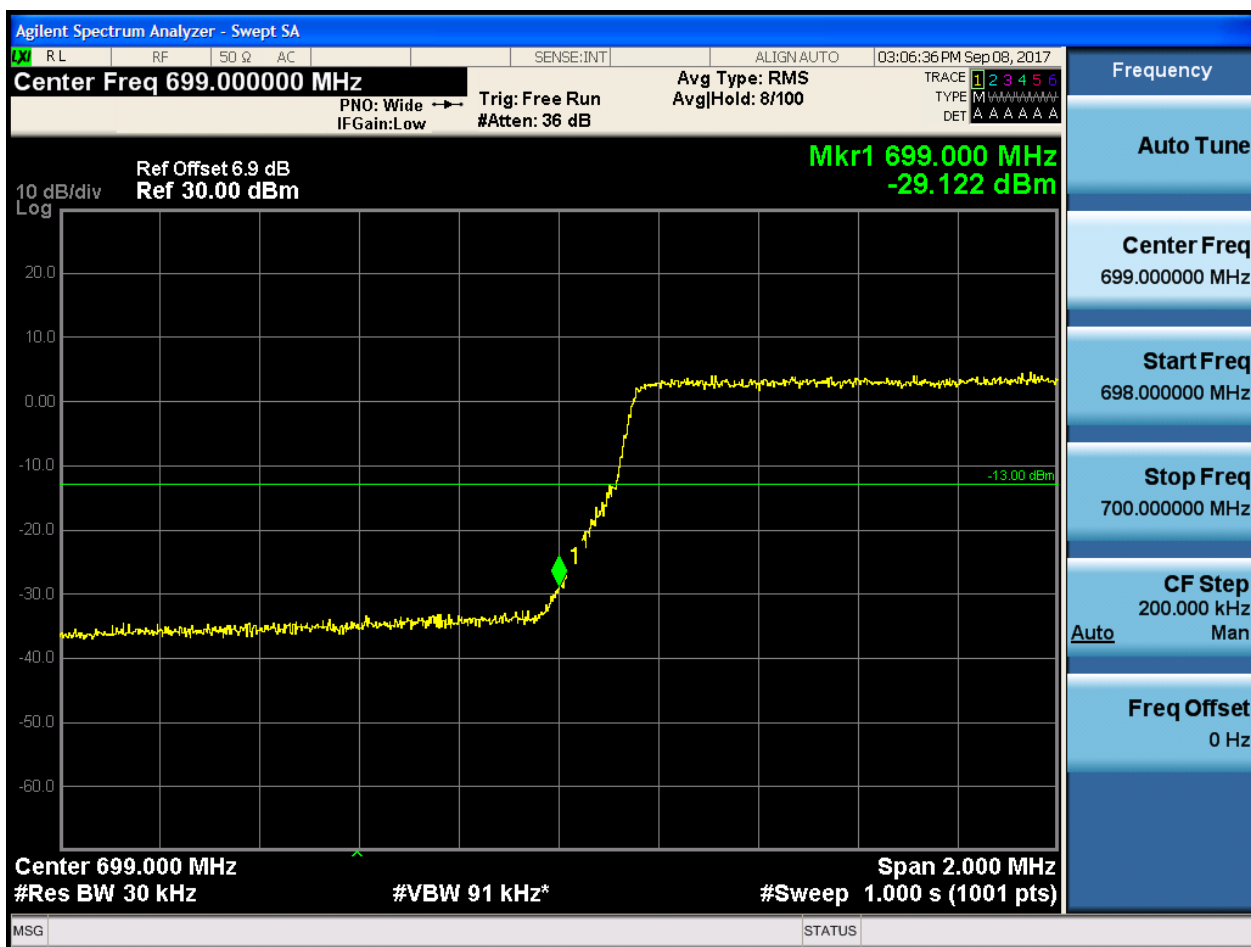
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

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

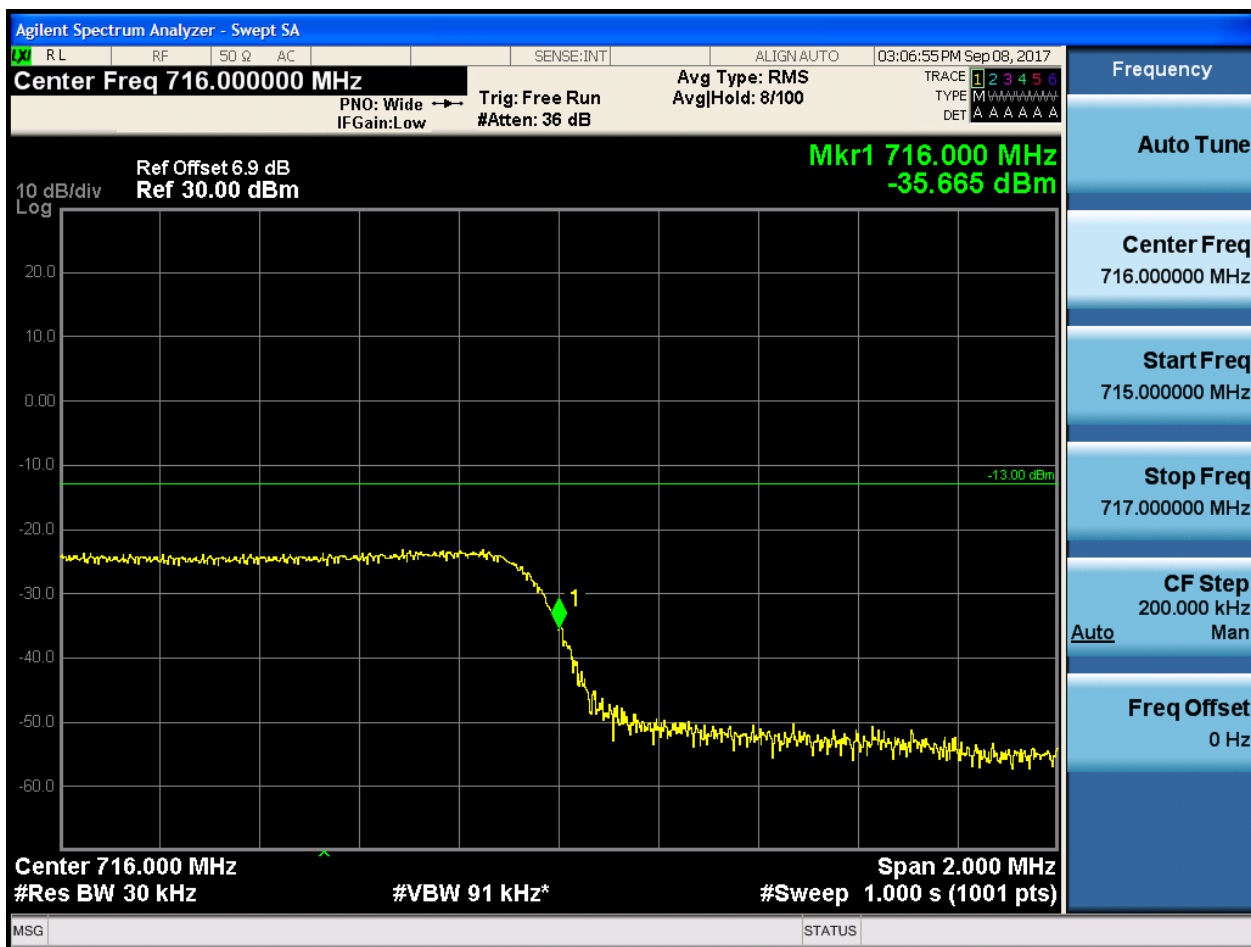


5.1.1.2.2.1.4 Test RB = RB15#0



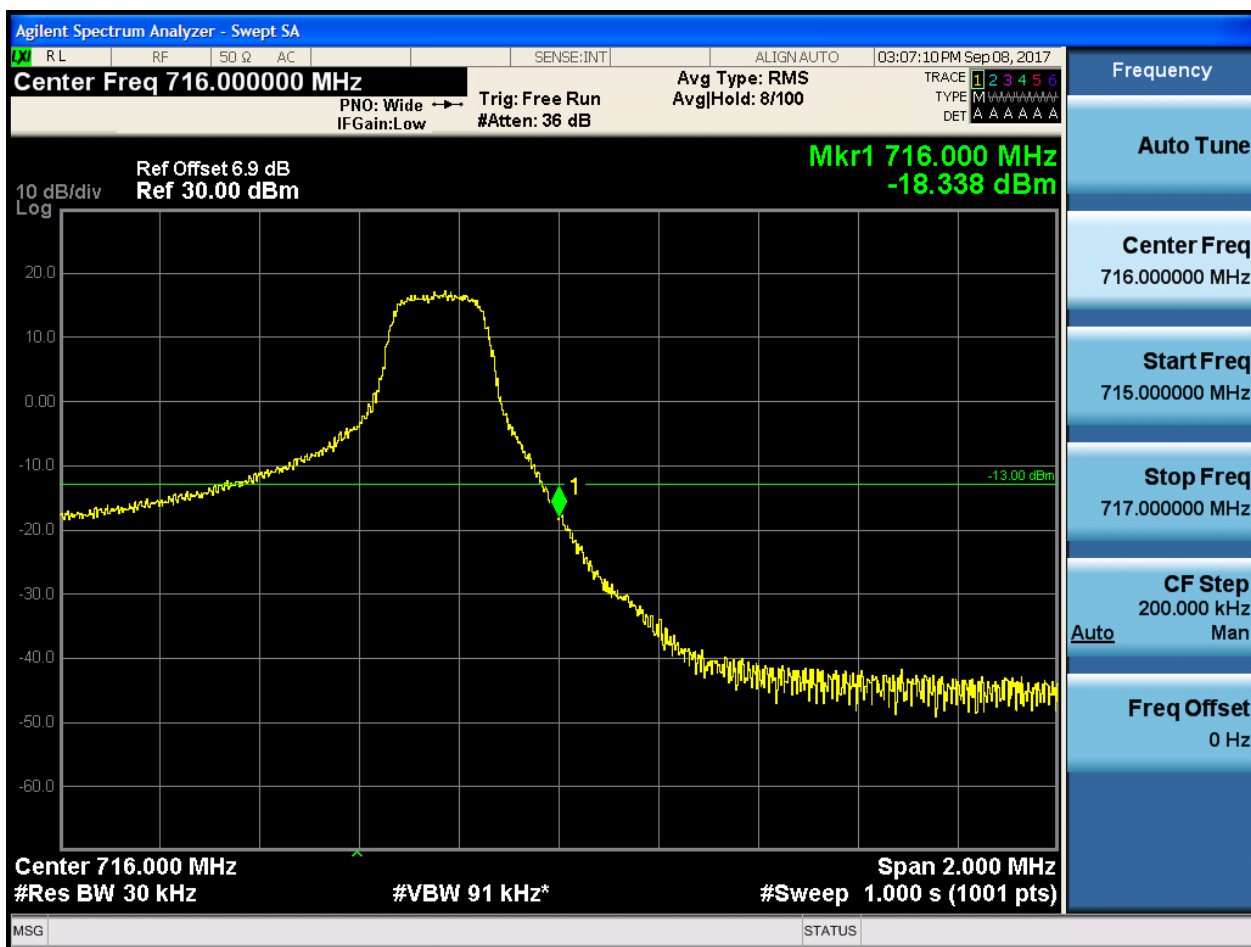
5.1.1.2.2.2 Test Channel = HCH

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

