



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
BAND12	LTE/TM1	1.4	LCH	RB1#0	21.59	14.74	34.7	PASS
				RB1#3	21.71	14.86	34.7	PASS
				RB1#5	21.69	14.84	34.7	PASS
				RB3#0	21.67	14.82	34.7	PASS
				RB3#2	21.7	14.85	34.7	PASS
				RB3#3	21.68	14.83	34.7	PASS
			MCH	RB6#0	20.72	13.87	34.7	PASS
				RB1#0	22.11	15.26	34.7	PASS
				RB1#3	22.22	15.37	34.7	PASS
				RB1#5	22.13	15.28	34.7	PASS
				RB3#0	22.14	15.29	34.7	PASS
				RB3#2	22.24	15.39	34.7	PASS
				RB3#3	22.22	15.37	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.25	14.4	34.7	PASS
			HCH	RB1#0	21.95	15.1	34.7	PASS
				RB1#3	22.1	15.25	34.7	PASS
				RB1#5	21.9	15.05	34.7	PASS
				RB3#0	21.97	15.12	34.7	PASS
				RB3#2	22.02	15.17	34.7	PASS
				RB3#3	21.89	15.04	34.7	PASS
				RB6#0	21.09	14.24	34.7	PASS
		3	LCH	RB1#0	21.38	14.53	34.7	PASS
				RB1#7	21.91	15.06	34.7	PASS
				RB1#14	21.35	14.5	34.7	PASS
				RB8#0	20.66	13.81	34.7	PASS
				RB8#4	20.83	13.98	34.7	PASS
				RB8#7	20.71	13.86	34.7	PASS
				RB15#0	20.68	13.83	34.7	PASS
			MCH	RB1#0	21.81	14.96	34.7	PASS
				RB1#7	22.2	15.35	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.9	15.05	34.7	PASS
				RB8#0	21.16	14.31	34.7	PASS
				RB8#4	21.22	14.37	34.7	PASS
				RB8#7	21.16	14.31	34.7	PASS
				RB15#0	21.11	14.26	34.7	PASS
			HCH	RB1#0	21.7	14.85	34.7	PASS
				RB1#7	22.13	15.28	34.7	PASS
				RB1#14	21.7	14.85	34.7	PASS
				RB8#0	20.93	14.08	34.7	PASS
				RB8#4	21.09	14.24	34.7	PASS
				RB8#7	20.93	14.08	34.7	PASS
				RB15#0	20.92	14.07	34.7	PASS
		5	LCH	RB1#0	22.01	15.16	34.7	PASS
				RB1#13	22.21	15.36	34.7	PASS
				RB1#24	22.11	15.26	34.7	PASS
				RB12#0	21.12	14.27	34.7	PASS
				RB12#6	21.21	14.36	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	20.96	14.11	34.7	PASS
				RB25#0	21.06	14.21	34.7	PASS
			MCH	RB1#0	22.3	15.45	34.7	PASS
				RB1#13	22.66	15.81	34.7	PASS
				RB1#24	22.38	15.53	34.7	PASS
				RB12#0	21.45	14.6	34.7	PASS
				RB12#6	21.62	14.77	34.7	PASS
				RB12#13	21.51	14.66	34.7	PASS
				RB25#0	21.51	14.66	34.7	PASS
			HCH	RB1#0	22.34	15.49	34.7	PASS
				RB1#13	22.4	15.55	34.7	PASS
				RB1#24	22.31	15.46	34.7	PASS
				RB12#0	21.43	14.58	34.7	PASS
				RB12#6	21.49	14.64	34.7	PASS
				RB12#13	21.41	14.56	34.7	PASS
				RB25#0	21.44	14.59	34.7	PASS
		10	LCH	RB1#0	22.17	15.32	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.62	15.77	34.7	PASS
				RB1#49	22.51	15.66	34.7	PASS
				RB25#0	21.22	14.37	34.7	PASS
				RB25#13	21.44	14.59	34.7	PASS
				RB25#25	21.38	14.53	34.7	PASS
				RB50#0	21.26	14.41	34.7	PASS
			MCH	RB1#0	22.32	15.47	34.7	PASS
				RB1#25	22.95	16.1	34.7	PASS
				RB1#49	22.24	15.39	34.7	PASS
				RB25#0	21.43	14.58	34.7	PASS
				RB25#13	21.79	14.94	34.7	PASS
				RB25#25	21.54	14.69	34.7	PASS
				RB50#0	21.49	14.64	34.7	PASS
			HCH	RB1#0	22.58	15.73	34.7	PASS
				RB1#25	22.85	16	34.7	PASS
				RB1#49	22.45	15.6	34.7	PASS
				RB25#0	21.65	14.8	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.64	14.79	34.7	PASS
				RB25#25	21.38	14.53	34.7	PASS
				RB50#0	21.52	14.67	34.7	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.83	13.98	34.7	PASS
				RB1#3	20.87	14.02	34.7	PASS
				RB1#5	20.94	14.09	34.7	PASS
				RB3#0	20.67	13.82	34.7	PASS
				RB3#2	20.72	13.87	34.7	PASS
				RB3#3	20.72	13.87	34.7	PASS
				RB6#0	19.78	12.93	34.7	PASS
			MCH	RB1#0	21.2	14.35	34.7	PASS
				RB1#3	21.45	14.6	34.7	PASS
				RB1#5	21.37	14.52	34.7	PASS
				RB3#0	21.32	14.47	34.7	PASS
				RB3#2	21.25	14.4	34.7	PASS
				RB3#3	21.32	14.47	34.7	PASS
				RB6#0	20.28	13.43	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	20.93	14.08	34.7	PASS
				RB1#3	21.11	14.26	34.7	PASS
				RB1#5	20.92	14.07	34.7	PASS
				RB3#0	21.09	14.24	34.7	PASS
				RB3#2	21.05	14.2	34.7	PASS
				RB3#3	21.08	14.23	34.7	PASS
				RB6#0	20.2	13.35	34.7	PASS
		3	LCH	RB1#0	20.57	13.72	34.7	PASS
				RB1#7	21.14	14.29	34.7	PASS
				RB1#14	20.42	13.57	34.7	PASS
				RB8#0	19.79	12.94	34.7	PASS
				RB8#4	19.97	13.12	34.7	PASS
				RB8#7	19.75	12.9	34.7	PASS
				RB15#0	19.72	12.87	34.7	PASS
			MCH	RB1#0	21.05	14.2	34.7	PASS
				RB1#7	21.47	14.62	34.7	PASS
				RB1#14	21.1	14.25	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.3	13.45	34.7	PASS
				RB8#4	20.3	13.45	34.7	PASS
				RB8#7	20.3	13.45	34.7	PASS
				RB15#0	20.12	13.27	34.7	PASS
			HCH	RB1#0	20.59	13.74	34.7	PASS
				RB1#7	21.21	14.36	34.7	PASS
				RB1#14	20.76	13.91	34.7	PASS
				RB8#0	20.01	13.16	34.7	PASS
				RB8#4	20.18	13.33	34.7	PASS
				RB8#7	20.03	13.18	34.7	PASS
				RB15#0	20	13.15	34.7	PASS
		5	LCH	RB1#0	20.99	14.14	34.7	PASS
				RB1#13	21.29	14.44	34.7	PASS
				RB1#24	21.18	14.33	34.7	PASS
				RB12#0	20.25	13.4	34.7	PASS
				RB12#6	20.35	13.5	34.7	PASS
				RB12#13	20.1	13.25	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.1	13.25	34.7	PASS
			MCH	RB1#0	21.43	14.58	34.7	PASS
				RB1#13	21.86	15.01	34.7	PASS
				RB1#24	21.5	14.65	34.7	PASS
				RB12#0	20.56	13.71	34.7	PASS
				RB12#6	20.73	13.88	34.7	PASS
				RB12#13	20.63	13.78	34.7	PASS
				RB25#0	20.56	13.71	34.7	PASS
			HCH	RB1#0	21.59	14.74	34.7	PASS
				RB1#13	21.66	14.81	34.7	PASS
				RB1#24	21.43	14.58	34.7	PASS
				RB12#0	20.5	13.65	34.7	PASS
				RB12#6	20.57	13.72	34.7	PASS
				RB12#13	20.49	13.64	34.7	PASS
				RB25#0	20.47	13.62	34.7	PASS
		10	LCH	RB1#0	21.21	14.36	34.7	PASS
				RB1#25	21.79	14.94	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.63	14.78	34.7	PASS
				RB25#0	20.27	13.42	34.7	PASS
				RB25#13	20.51	13.66	34.7	PASS
				RB25#25	20.44	13.59	34.7	PASS
				RB50#0	20.24	13.39	34.7	PASS
			MCH	RB1#0	21.45	14.6	34.7	PASS
				RB1#25	22.18	15.33	34.7	PASS
				RB1#49	21.43	14.58	34.7	PASS
				RB25#0	20.49	13.64	34.7	PASS
				RB25#13	20.85	14	34.7	PASS
				RB25#25	20.61	13.76	34.7	PASS
				RB50#0	20.47	13.62	34.7	PASS
			HCH	RB1#0	21.66	14.81	34.7	PASS
				RB1#25	21.99	15.14	34.7	PASS
				RB1#49	21.42	14.57	34.7	PASS
				RB25#0	20.68	13.83	34.7	PASS
				RB25#13	20.7	13.85	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.44	13.59	34.7	PASS
				RB50#0	20.57	13.72	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:

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

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

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

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

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	4.82	13	PASS
				RB1#3	4.75	13	PASS
				RB1#5	4.7	13	PASS
				RB3#0	5.35	13	PASS
				RB3#2	5.22	13	PASS
				RB3#3	5.27	13	PASS
				RB6#0	5.89	13	PASS
			MCH	RB1#0	4.75	13	PASS
				RB1#3	4.76	13	PASS
				RB1#5	4.64	13	PASS
				RB3#0	4.99	13	PASS
				RB3#2	5.01	13	PASS
				RB3#3	4.99	13	PASS
				RB6#0	5.7	13	PASS
			HCH	RB1#0	4.26	13	PASS
				RB1#3	4.12	13	PASS
				RB1#5	4.04	13	PASS
				RB3#0	4.85	13	PASS
				RB3#2	4.78	13	PASS
				RB3#3	4.77	13	PASS
				RB6#0	5.72	13	PASS
		3	LCH	RB1#0	4.65	13	PASS
				RB1#7	4.46	13	PASS
				RB1#14	4.59	13	PASS
				RB8#0	5.71	13	PASS
				RB8#4	5.89	13	PASS
				RB8#7	5.57	13	PASS
				RB15#0	5.99	13	PASS
			MCH	RB1#0	4.47	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	4.26	13	PASS
				RB1#14	4.35	13	PASS
				RB8#0	5.78	13	PASS
				RB8#4	5.62	13	PASS
				RB8#7	5.7	13	PASS
				RB15#0	5.66	13	PASS
			HCH	RB1#0	4.38	13	PASS
				RB1#7	4.14	13	PASS
				RB1#14	4.19	13	PASS
				RB8#0	5.71	13	PASS
				RB8#4	5.48	13	PASS
				RB8#7	5.58	13	PASS
				RB15#0	5.96	13	PASS
		5	LCH	RB1#0	4.46	13	PASS
				RB1#13	4.53	13	PASS
				RB1#24	4.54	13	PASS
				RB12#0	5.74	13	PASS
				RB12#6	5.65	13	PASS
				RB12#13	5.9	13	PASS
				RB25#0	5.98	13	PASS
			MCH	RB1#0	4.55	13	PASS
				RB1#13	4.29	13	PASS
				RB1#24	4.26	13	PASS
				RB12#0	5.73	13	PASS
				RB12#6	5.58	13	PASS
				RB12#13	5.66	13	PASS
				RB25#0	5.86	13	PASS
			HCH	RB1#0	4.43	13	PASS
				RB1#13	4.51	13	PASS
				RB1#24	4.11	13	PASS
				RB12#0	5.56	13	PASS
				RB12#6	5.44	13	PASS
				RB12#13	5.34	13	PASS
				RB25#0	5.6	13	PASS
		10	LCH	RB1#0	4.34	13	PASS
				RB1#25	4.2	13	PASS
				RB1#49	4.11	13	PASS
				RB25#0	5.82	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
	LTE/TM2	1.4		RB25#13	5.89	13	PASS
				RB25#25	5.91	13	PASS
				RB50#0	6	13	PASS
			MCH	RB1#0	4.33	13	PASS
				RB1#25	3.85	13	PASS
				RB1#49	4.16	13	PASS
				RB25#0	5.81	13	PASS
				RB25#13	5.58	13	PASS
				RB25#25	5.6	13	PASS
				RB50#0	5.79	13	PASS
			HCH	RB1#0	4.16	13	PASS
				RB1#25	3.9	13	PASS
				RB1#49	3.85	13	PASS
				RB25#0	5.55	13	PASS
				RB25#13	5.48	13	PASS
				RB25#25	5.52	13	PASS
				RB50#0	5.92	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.47	13	PASS
				RB1#3	5.56	13	PASS
				RB1#5	5.46	13	PASS
				RB3#0	5.94	13	PASS
				RB3#2	5.92	13	PASS
				RB3#3	5.93	13	PASS
				RB6#0	6.49	13	PASS
			MCH	RB1#0	5.3	13	PASS
				RB1#3	5.22	13	PASS
				RB1#5	5.09	13	PASS
				RB3#0	5.72	13	PASS
				RB3#2	5.69	13	PASS
				RB3#3	5.68	13	PASS
				RB6#0	6.45	13	PASS
			HCH	RB1#0	5.26	13	PASS
				RB1#3	5.22	13	PASS
				RB1#5	4.87	13	PASS
				RB3#0	5.65	13	PASS
				RB3#2	5.66	13	PASS
				RB3#3	5.57	13	PASS
				RB6#0	6.22	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3	LCH	RB1#0	5.9	13	PASS
				RB1#7	5.34	13	PASS
				RB1#14	5.76	13	PASS
				RB8#0	6.47	13	PASS
				RB8#4	6.52	13	PASS
				RB8#7	6.51	13	PASS
				RB15#0	6.53	13	PASS
			MCH	RB1#0	5.3	13	PASS
				RB1#7	5.52	13	PASS
				RB1#14	5.65	13	PASS
				RB8#0	6.36	13	PASS
				RB8#4	6.36	13	PASS
				RB8#7	6.16	13	PASS
				RB15#0	6.7	13	PASS
			HCH	RB1#0	5.77	13	PASS
				RB1#7	5.48	13	PASS
				RB1#14	5.5	13	PASS
				RB8#0	6.21	13	PASS
				RB8#4	6.07	13	PASS
				RB8#7	6.05	13	PASS
				RB15#0	6.39	13	PASS
		5	LCH	RB1#0	5.29	13	PASS
				RB1#13	5.54	13	PASS
				RB1#24	5.41	13	PASS
				RB12#0	6.33	13	PASS
				RB12#6	6.41	13	PASS
				RB12#13	6.56	13	PASS
				RB25#0	6.75	13	PASS
			MCH	RB1#0	5.41	13	PASS
				RB1#13	5.24	13	PASS
				RB1#24	5.12	13	PASS
				RB12#0	6.32	13	PASS
				RB12#6	6.25	13	PASS
				RB12#13	6.25	13	PASS
				RB25#0	6.58	13	PASS
			HCH	RB1#0	5.06	13	PASS
				RB1#13	5.11	13	PASS
				RB1#24	4.82	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB12#0	6.31	13	PASS
				RB12#6	6.32	13	PASS
				RB12#13	6.17	13	PASS
				RB25#0	6.66	13	PASS
		10	LCH	RB1#0	5.32	13	PASS
				RB1#25	5.54	13	PASS
				RB1#49	4.99	13	PASS
				RB25#0	6.53	13	PASS
				RB25#13	6.63	13	PASS
				RB25#25	6.57	13	PASS
				RB50#0	6.96	13	PASS
			MCH	RB1#0	5.29	13	PASS
				RB1#25	4.98	13	PASS
				RB1#49	4.82	13	PASS
				RB25#0	6.46	13	PASS
				RB25#13	6.26	13	PASS
				RB25#25	6.3	13	PASS
				RB50#0	6.68	13	PASS
			HCH	RB1#0	4.78	13	PASS
				RB1#25	4.84	13	PASS
				RB1#49	4.63	13	PASS
				RB25#0	6.29	13	PASS
				RB25#13	6.26	13	PASS
				RB25#25	6.21	13	PASS
				RB50#0	6.49	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

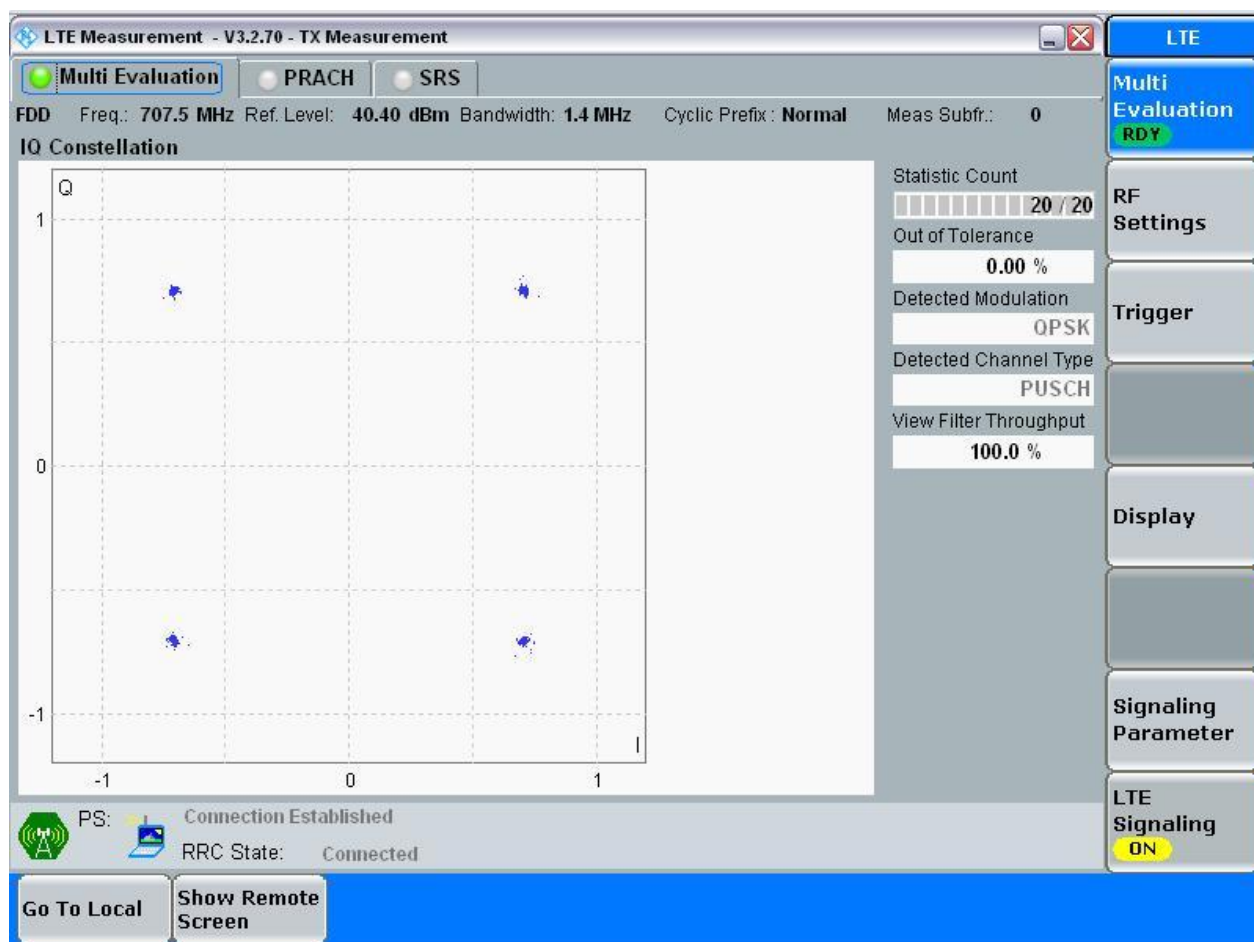
3.1.1 Test Band = BAND12

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

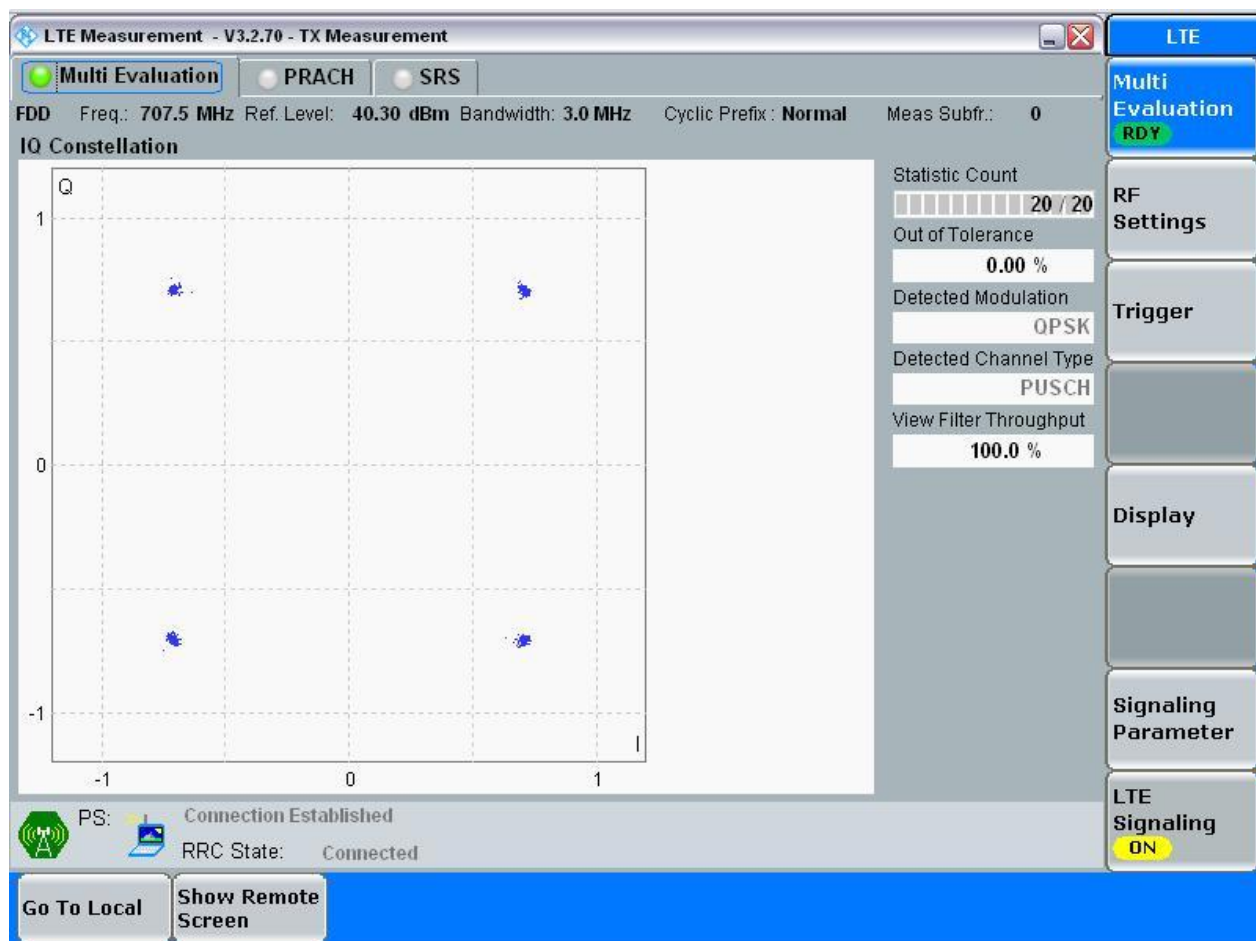
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

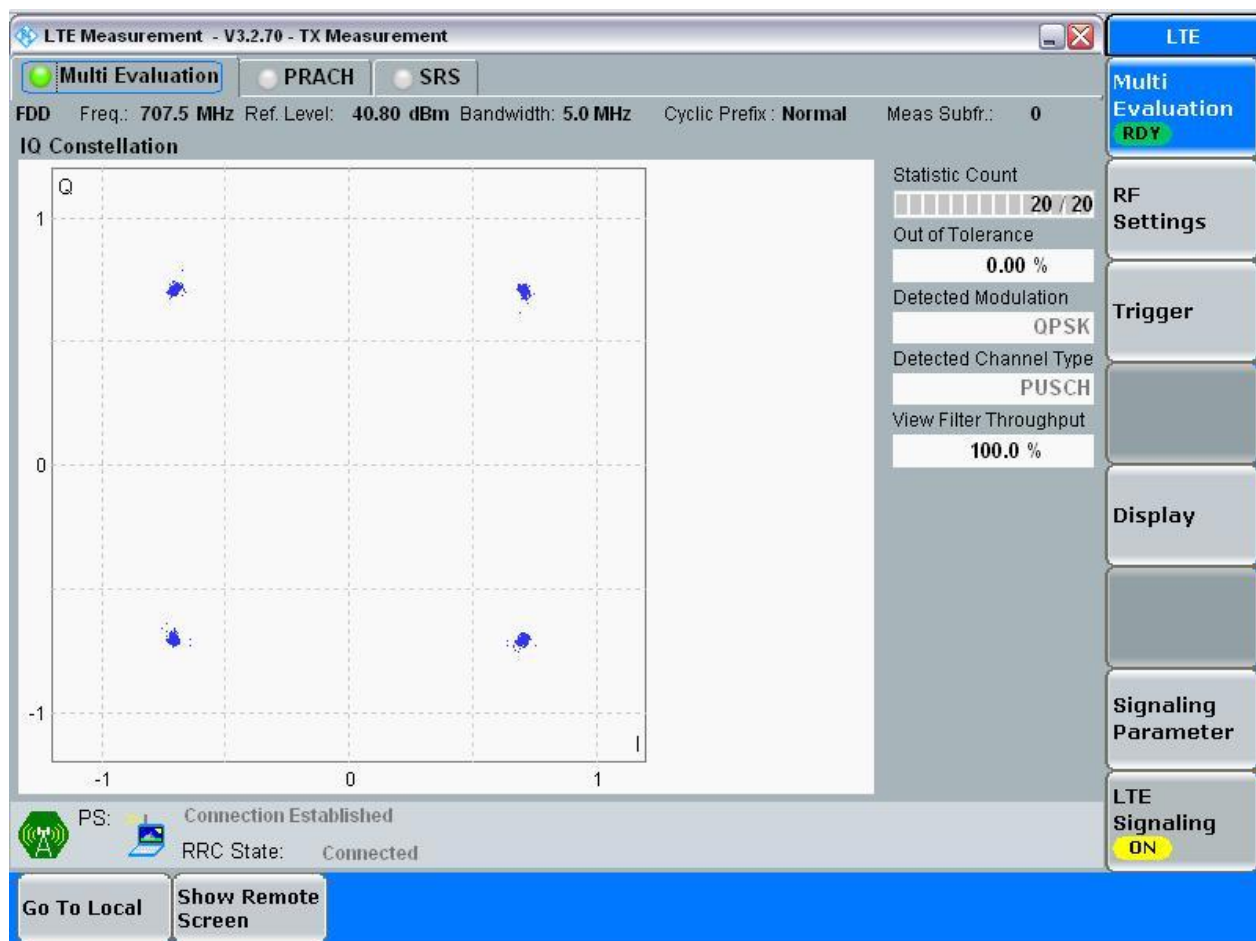
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

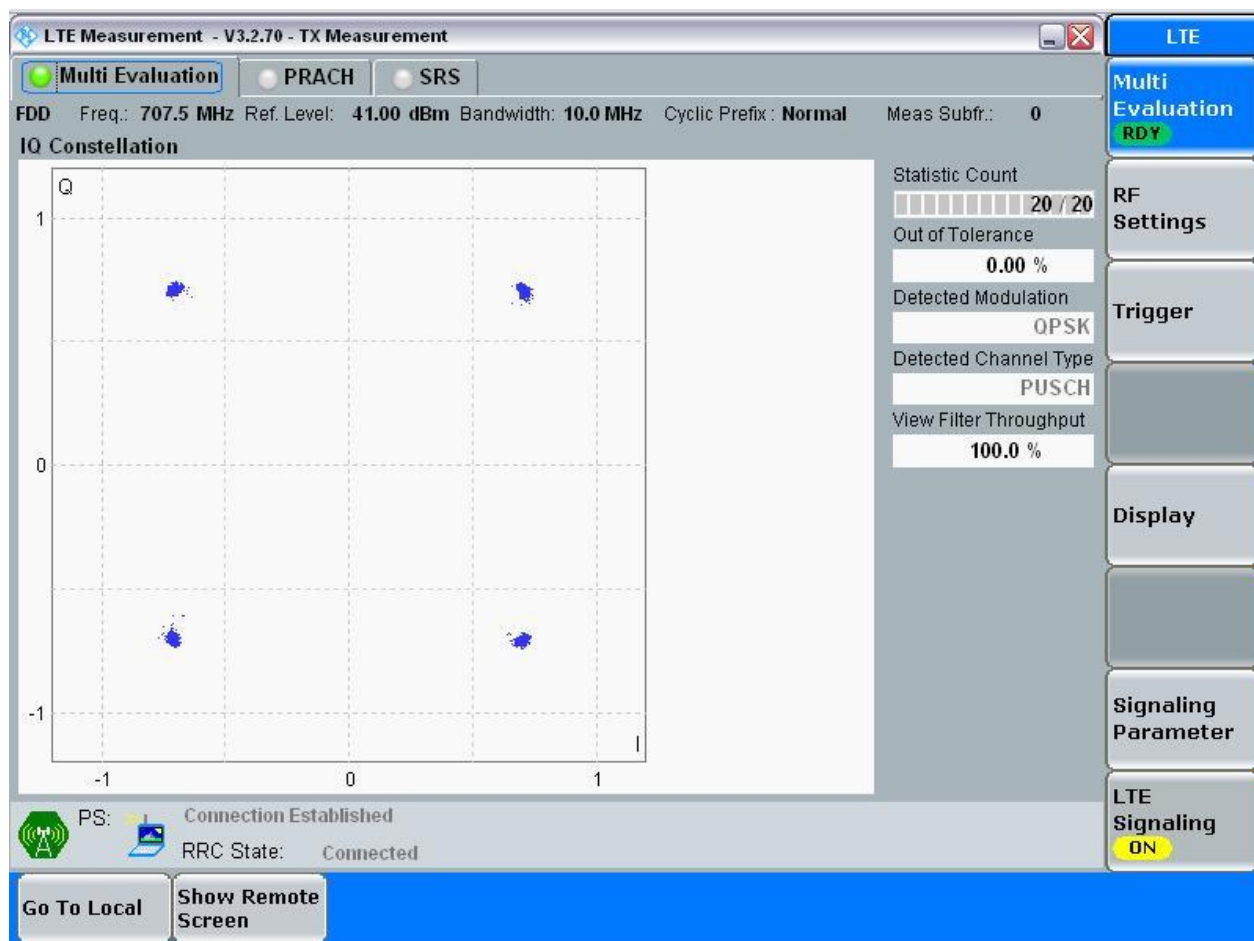
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0

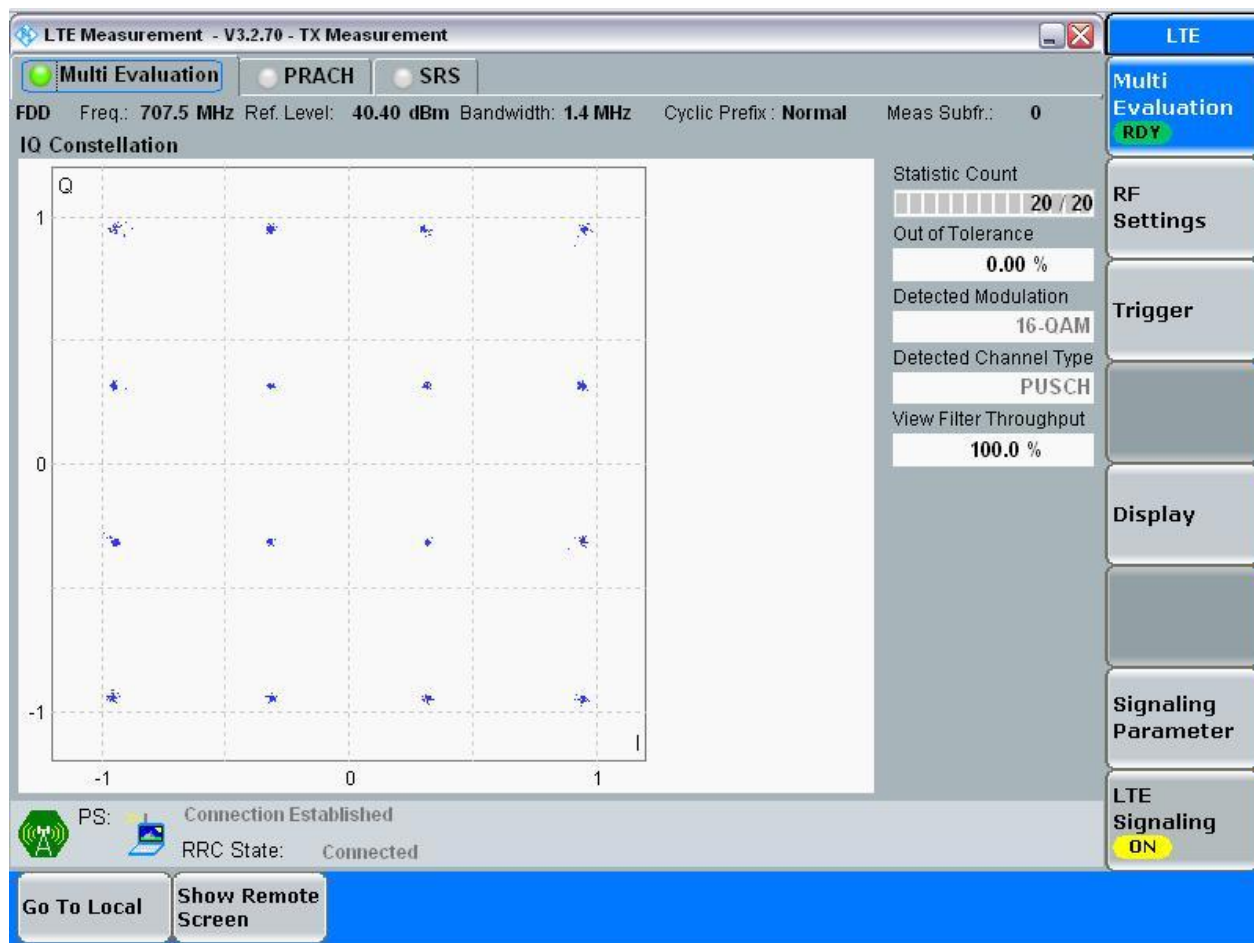


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

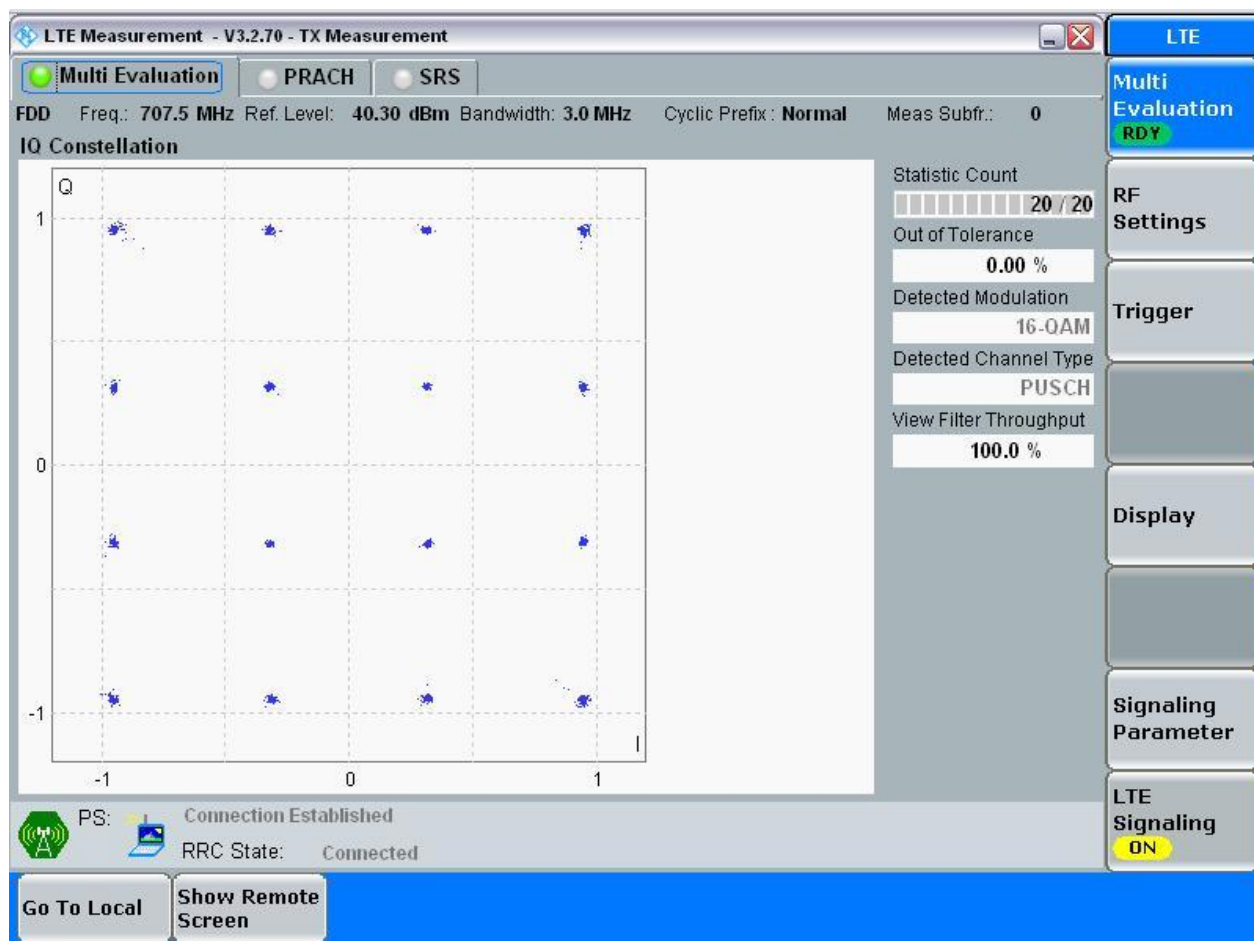
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

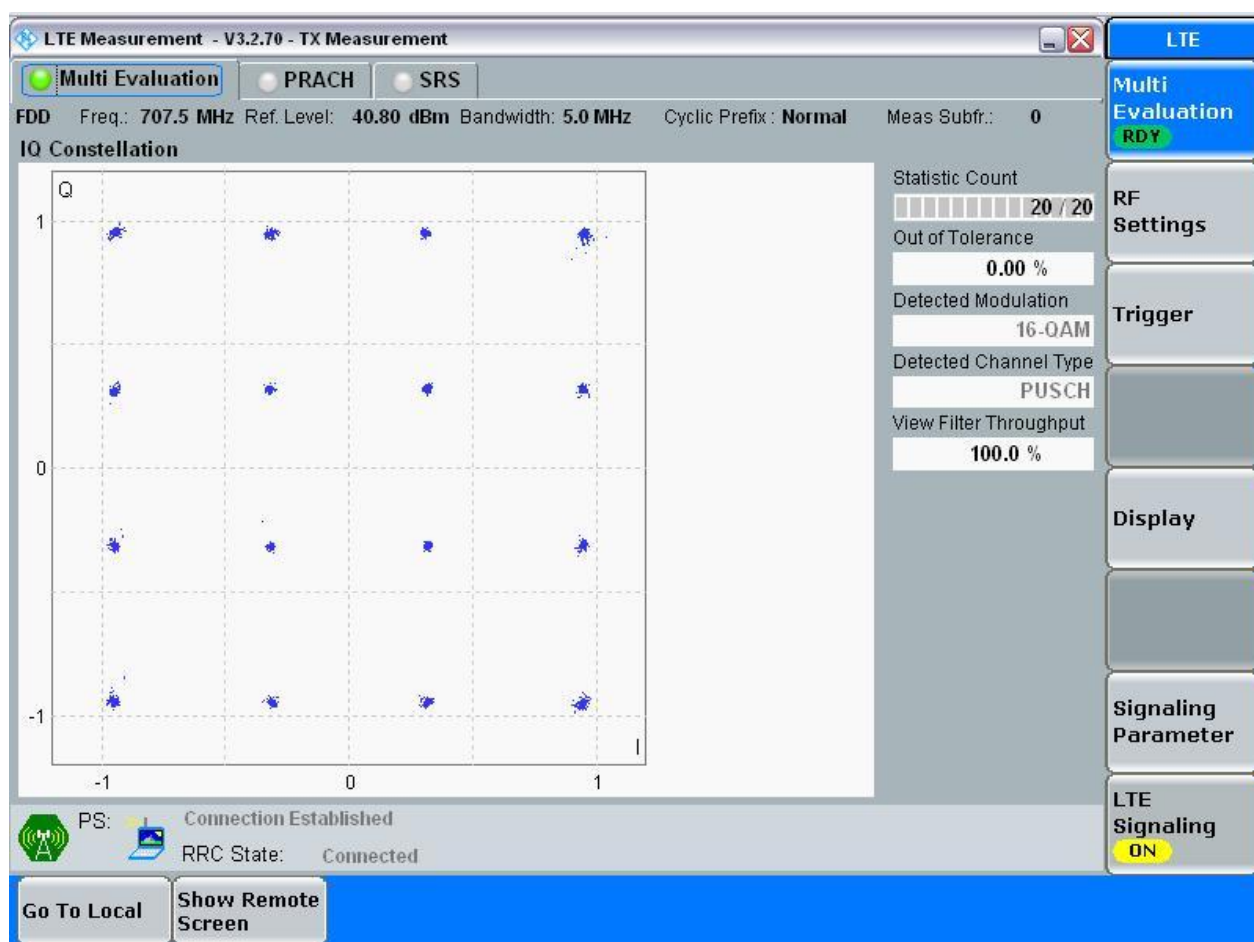
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

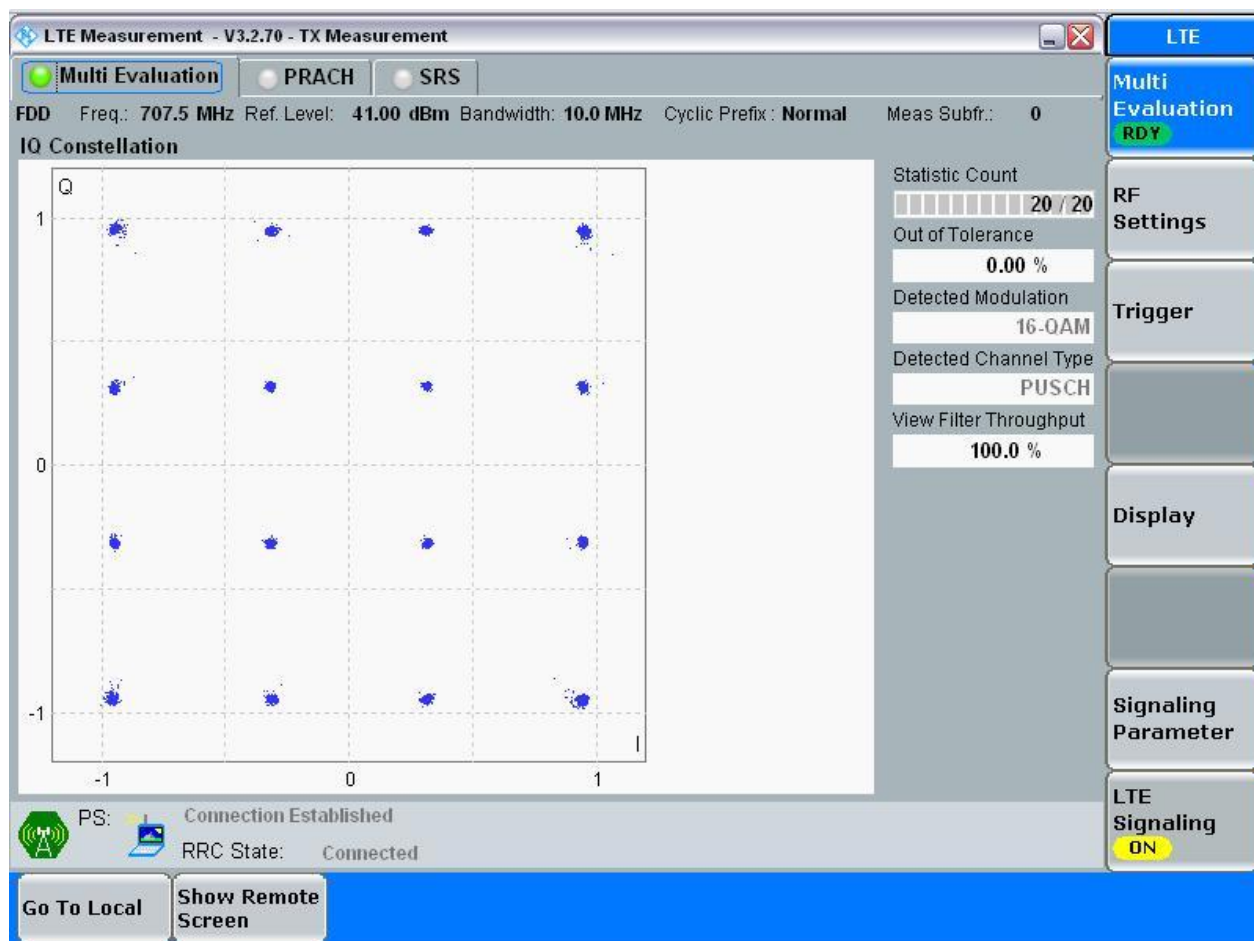
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND12	LTE/TM1	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.97	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.70	2.97	Pass
		5	LCH	RB25#0	4.52	4.98	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.51	4.97	Pass
		10	LCH	RB50#0	8.98	9.92	Pass
			MCH	RB50#0	8.99	9.89	Pass
			HCH	RB50#0	8.99	9.90	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.53	4.98	Pass
			HCH	RB25#0	4.53	4.97	Pass
		10	LCH	RB50#0	9.00	9.94	Pass
			MCH	RB50#0	9.00	9.96	Pass
			HCH	RB50#0	8.97	9.90	Pass



Part II - Test Plots

4.1 For LTE

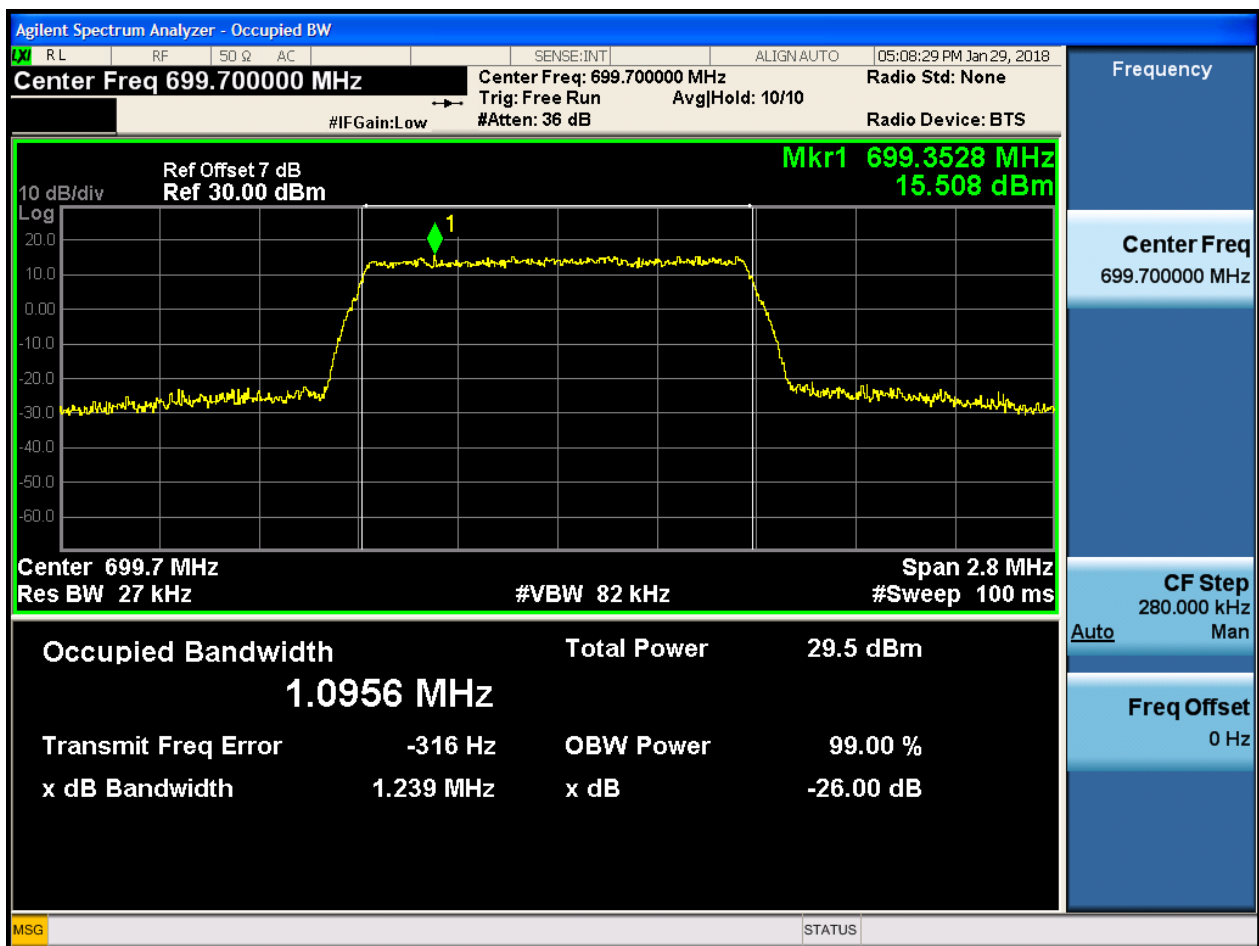
4.1.1 Test Band = BAND12

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

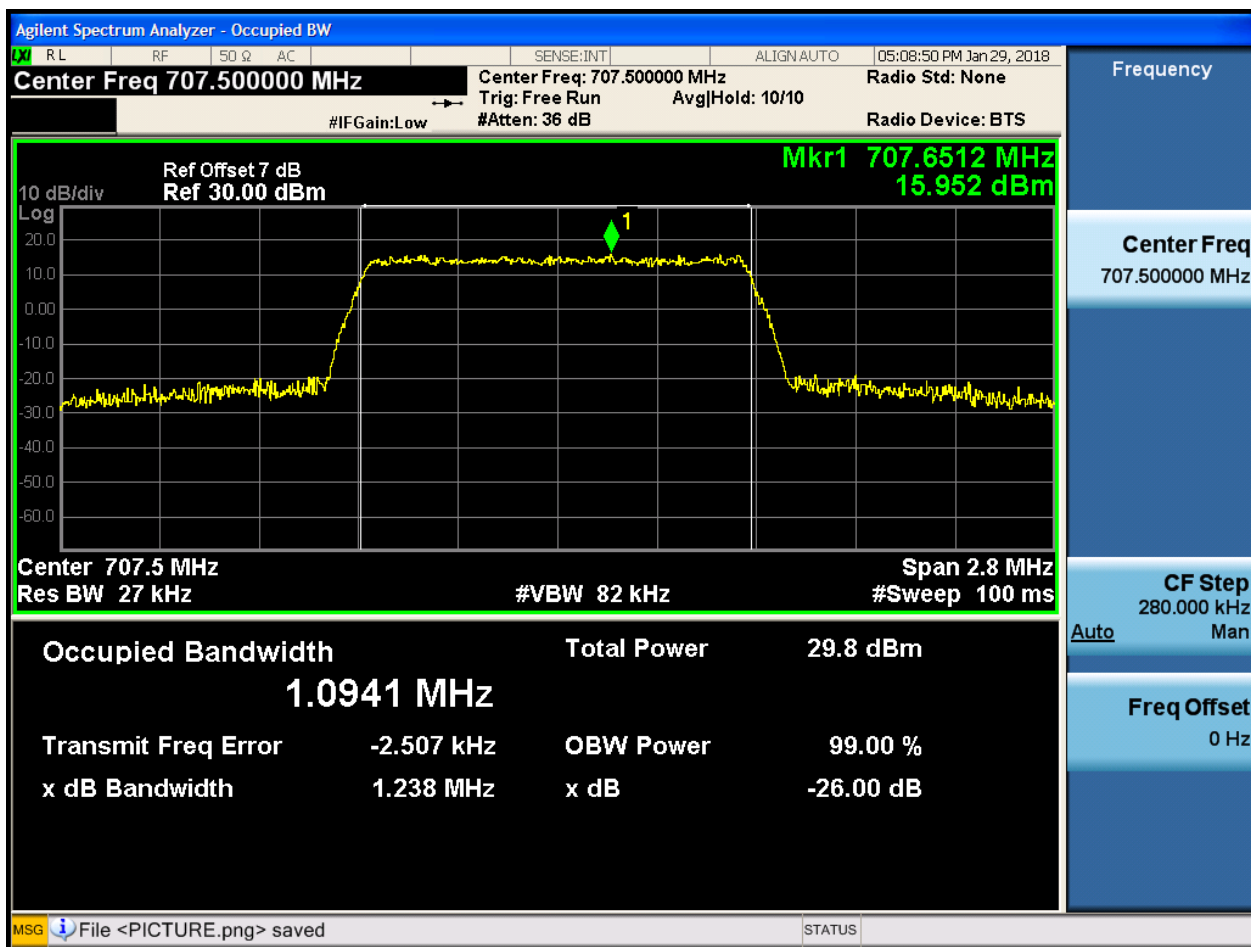
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

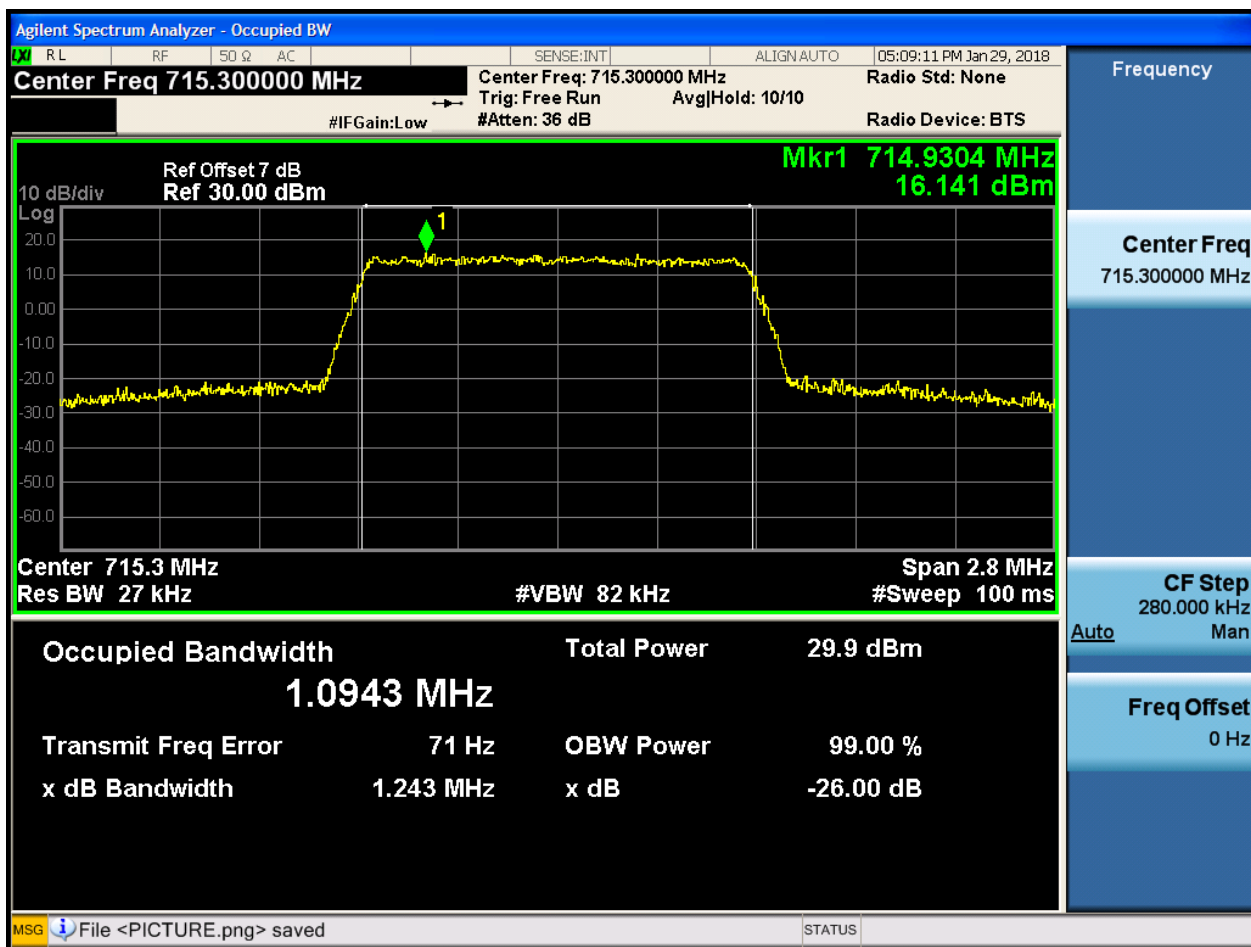
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

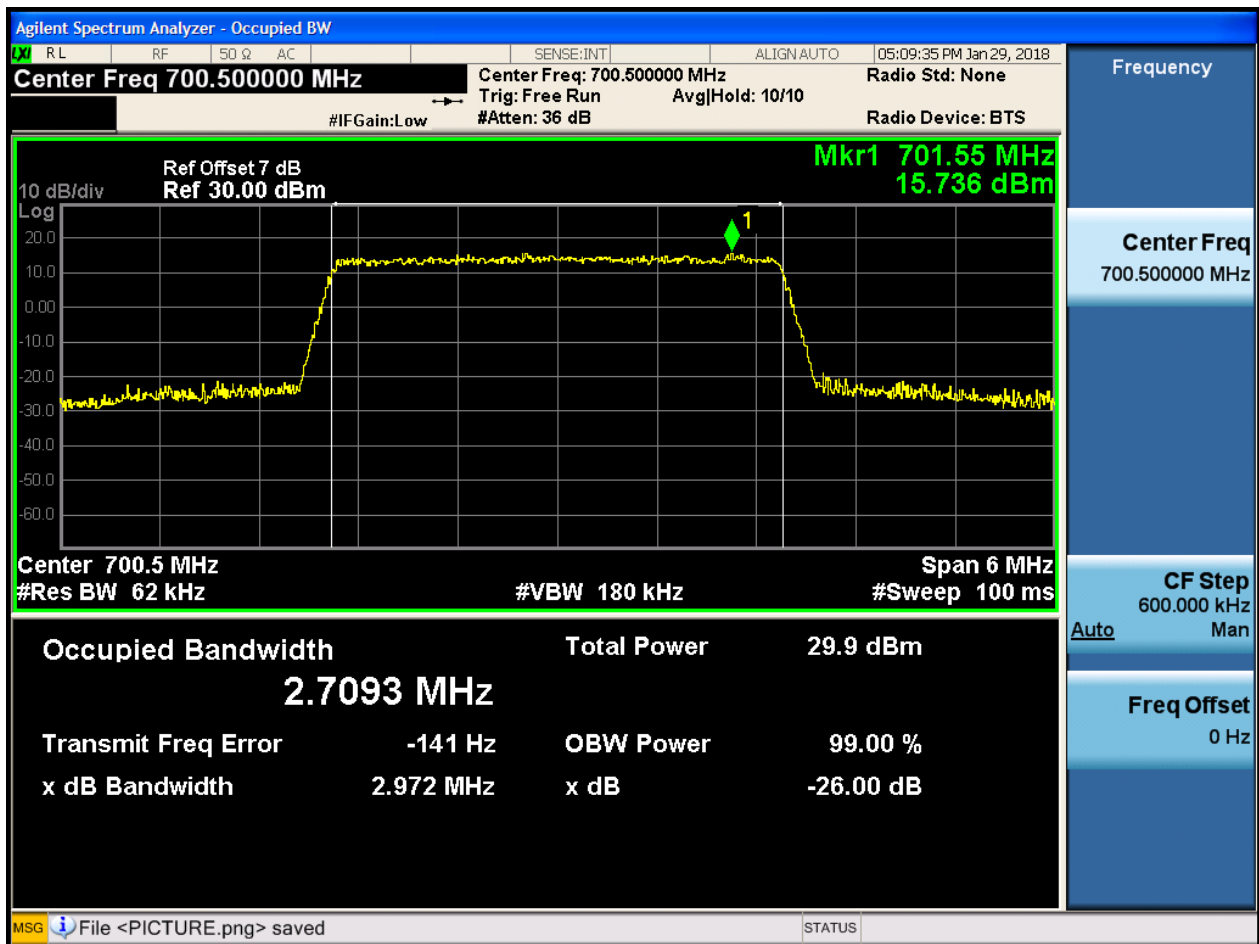




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

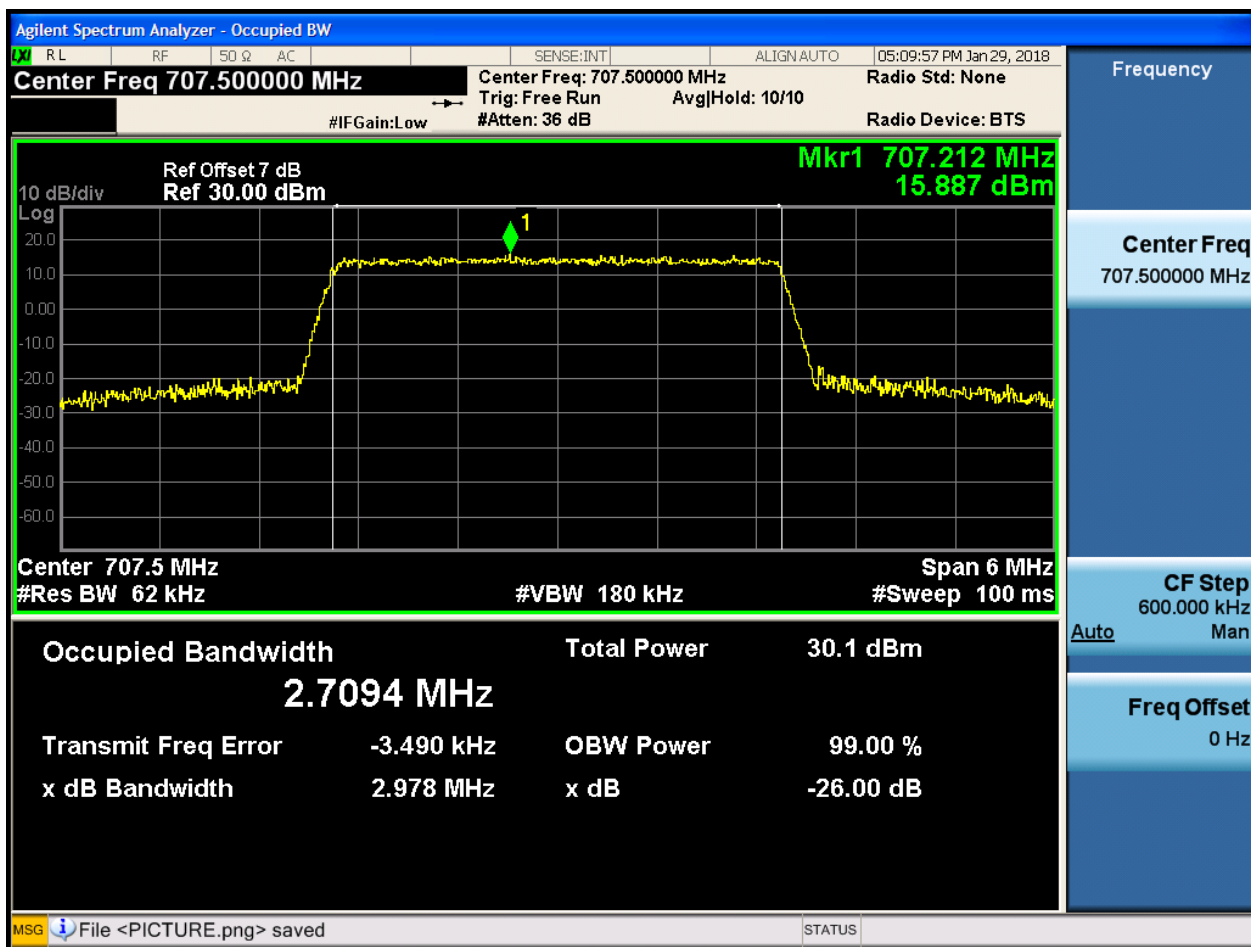
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

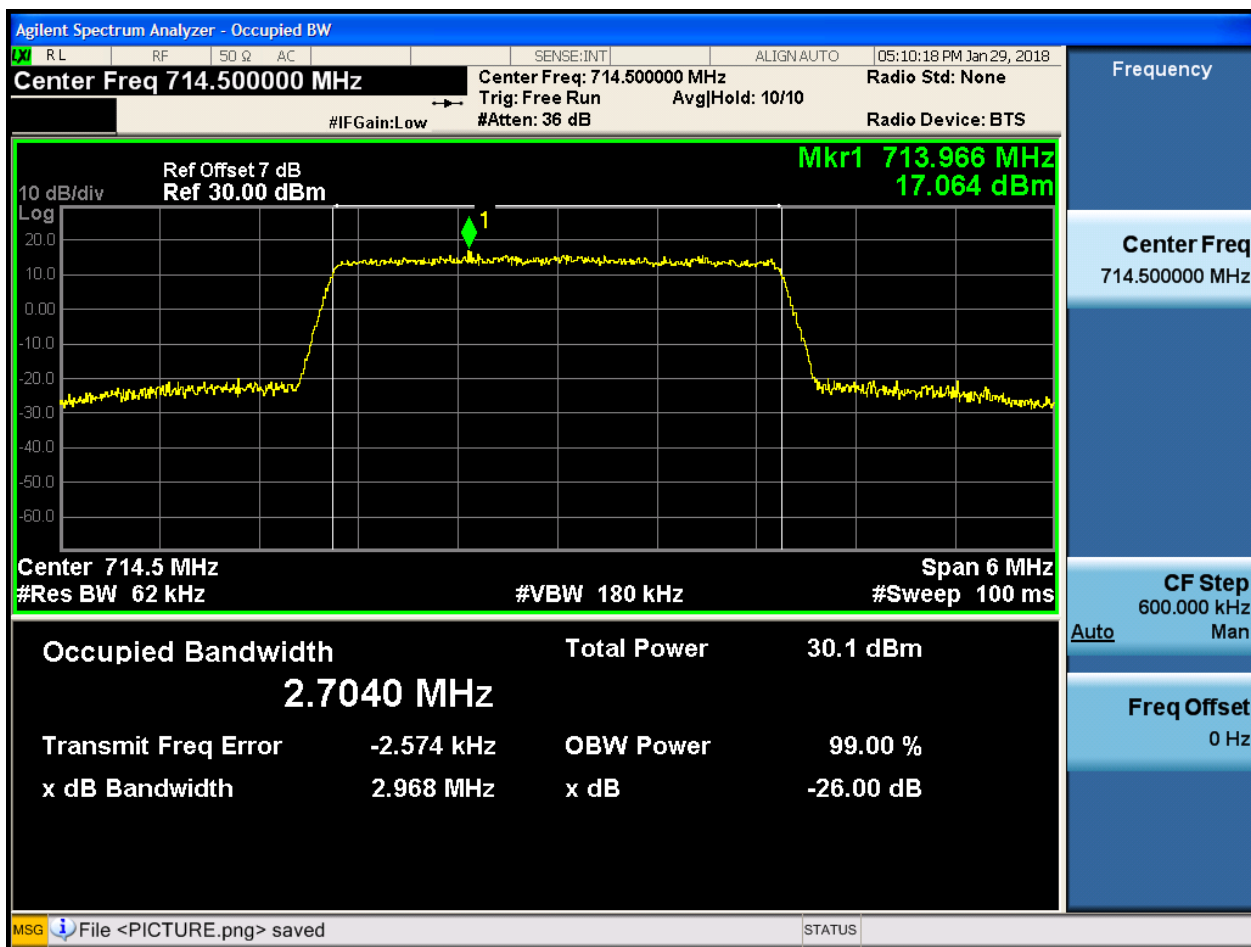
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

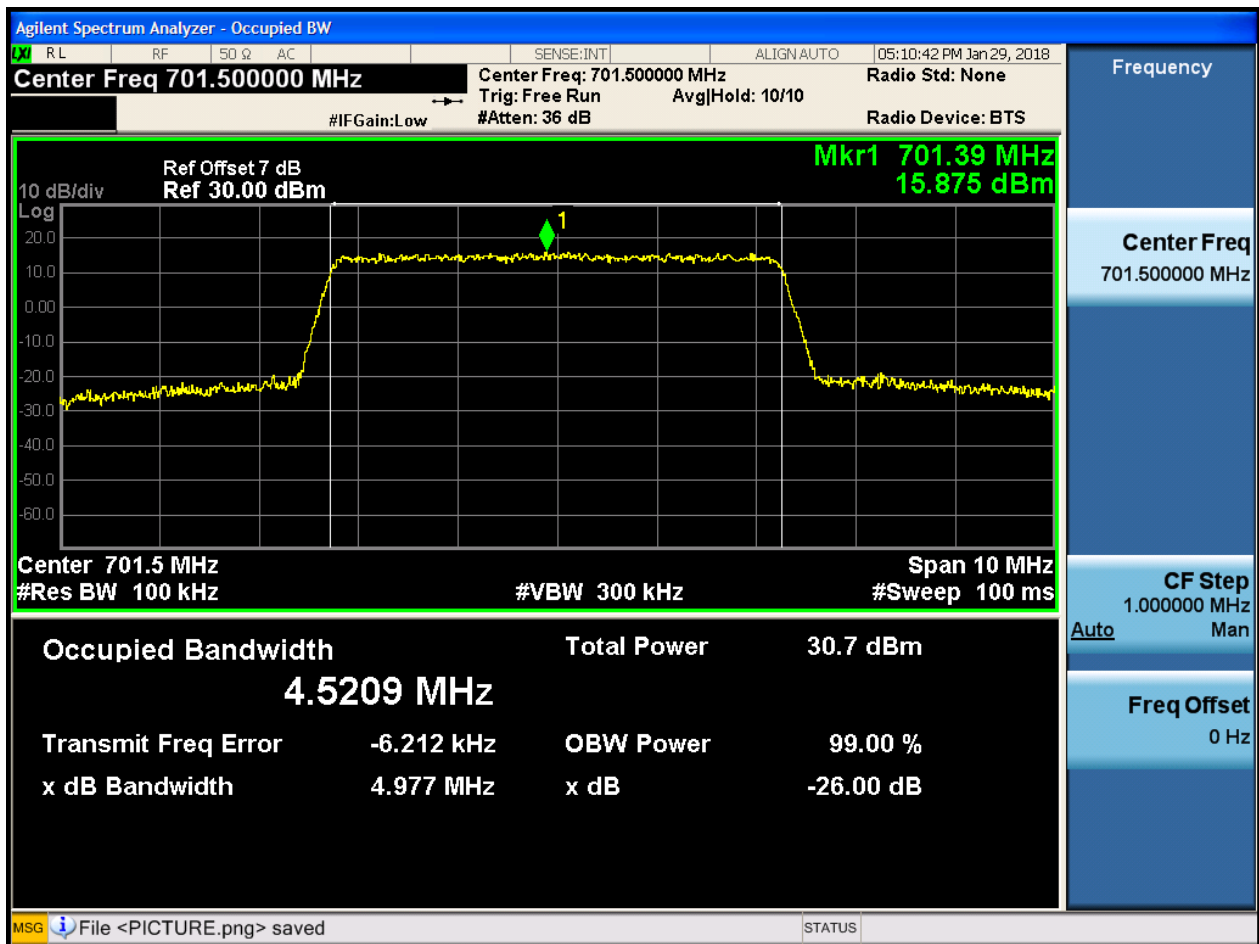




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

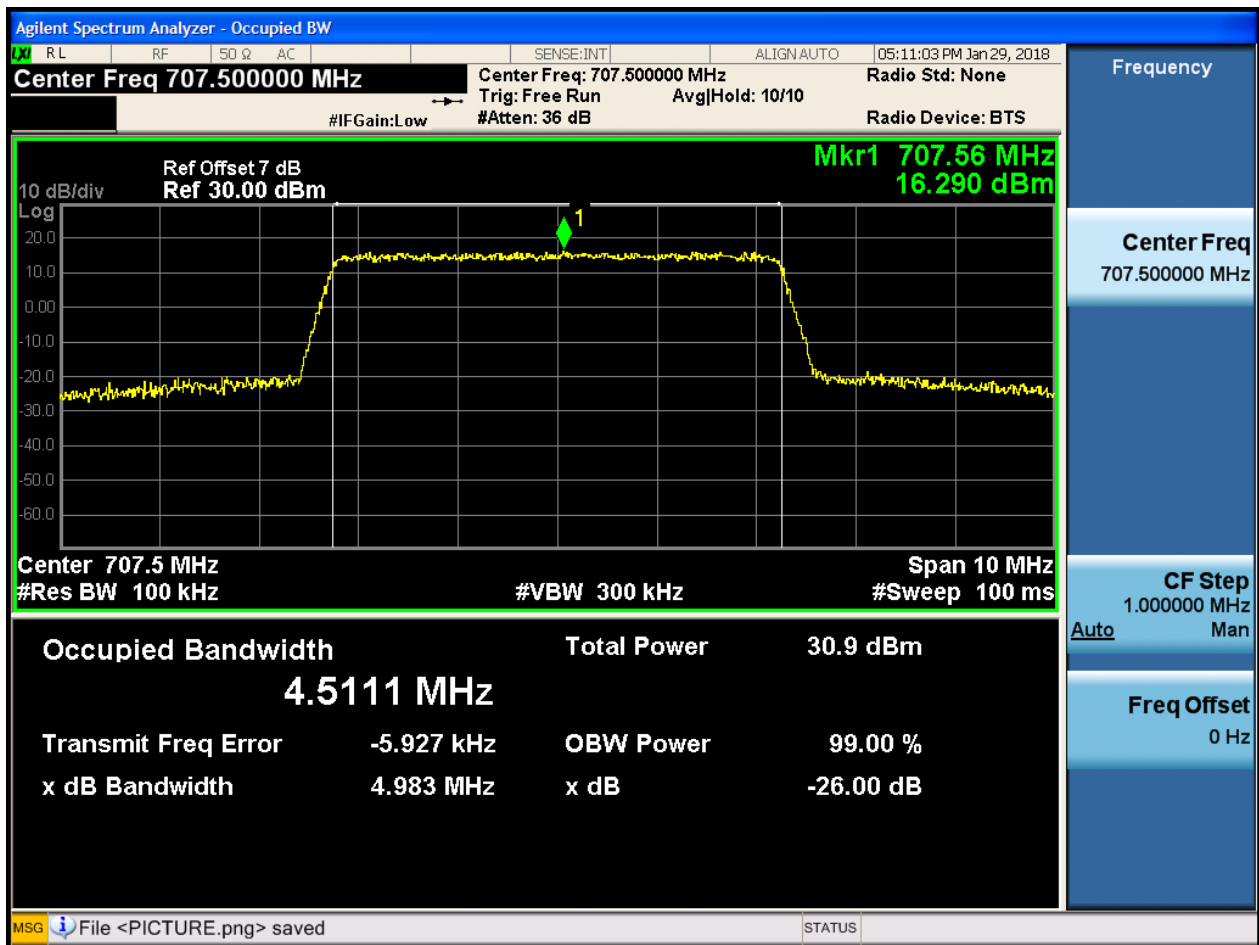
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

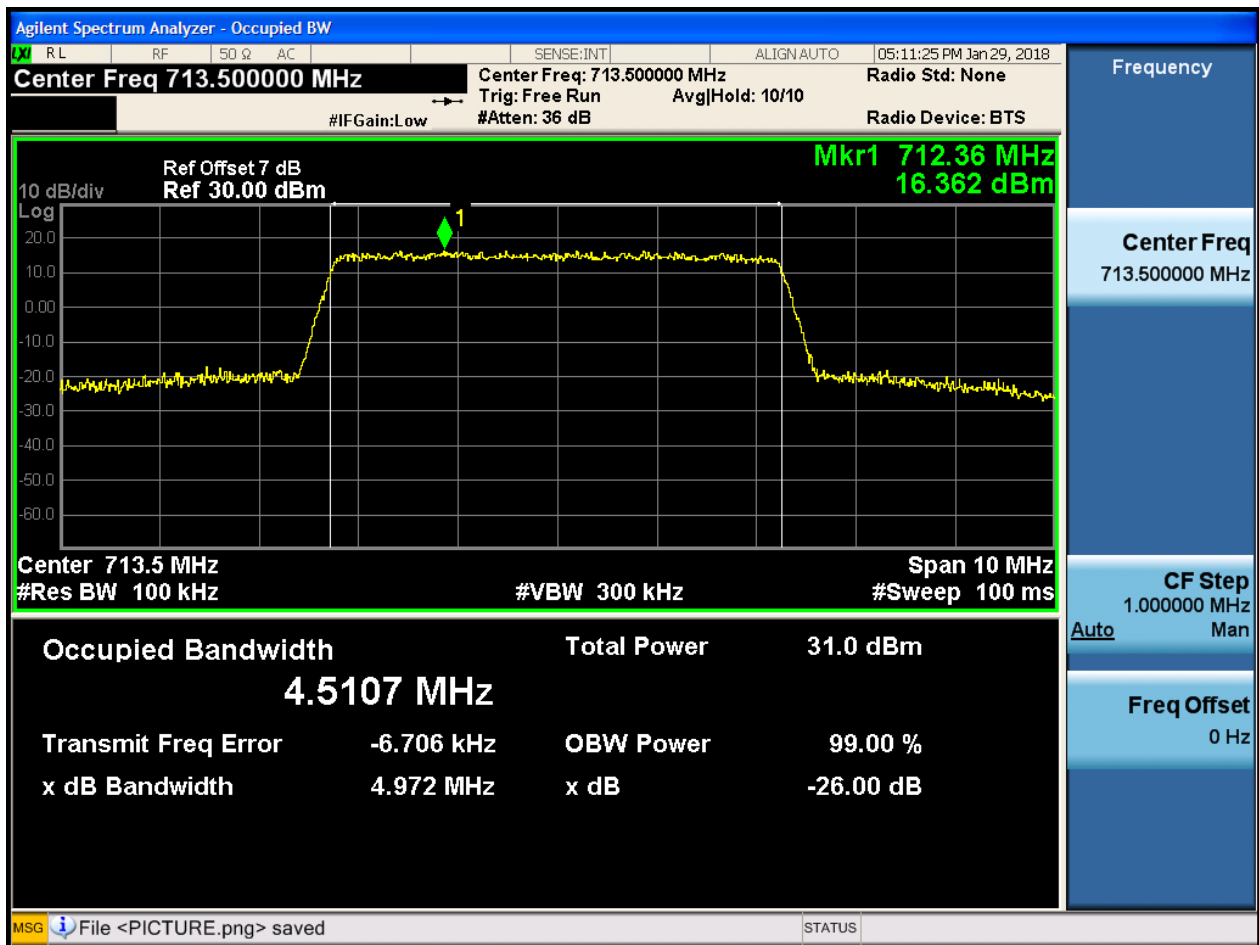
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

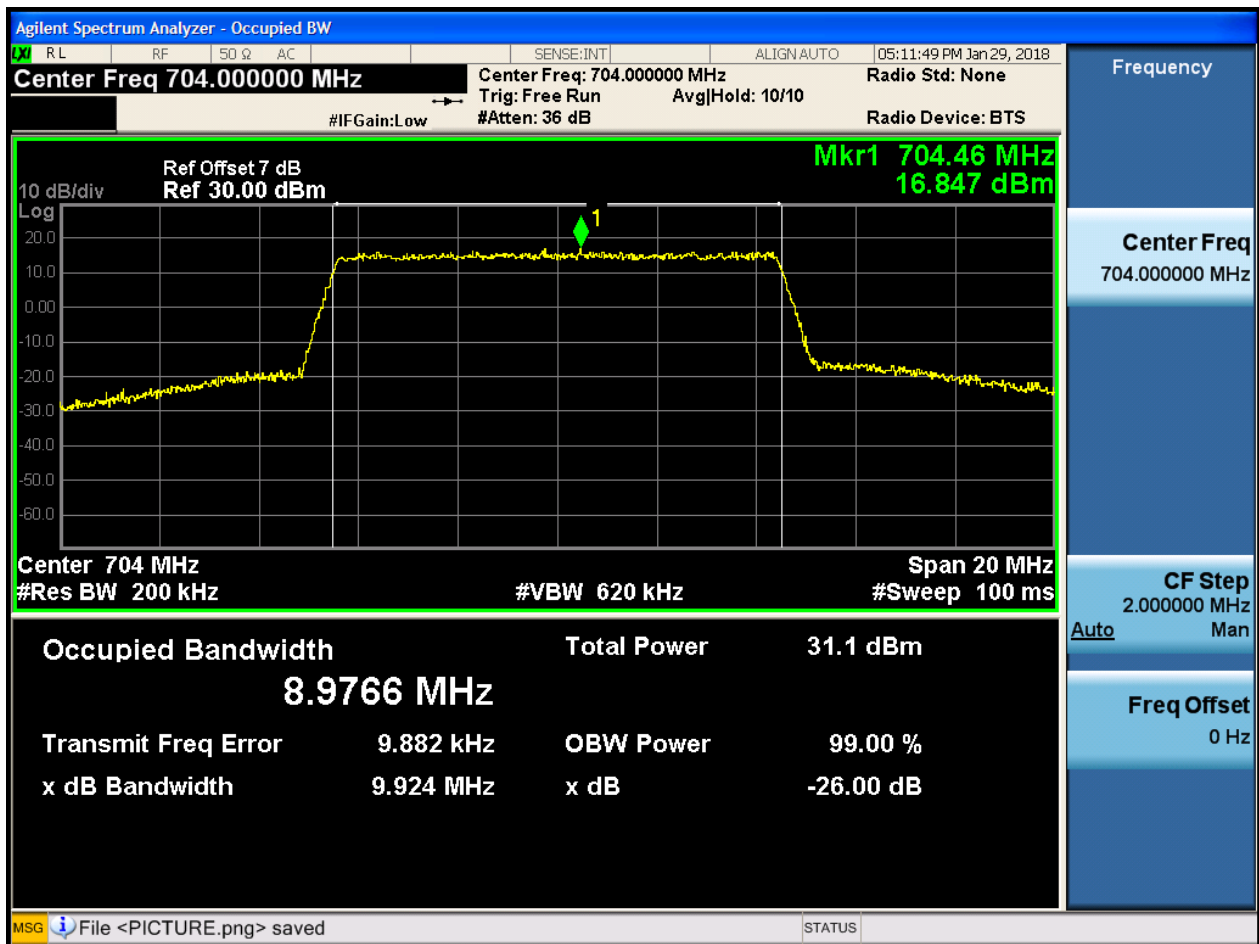




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

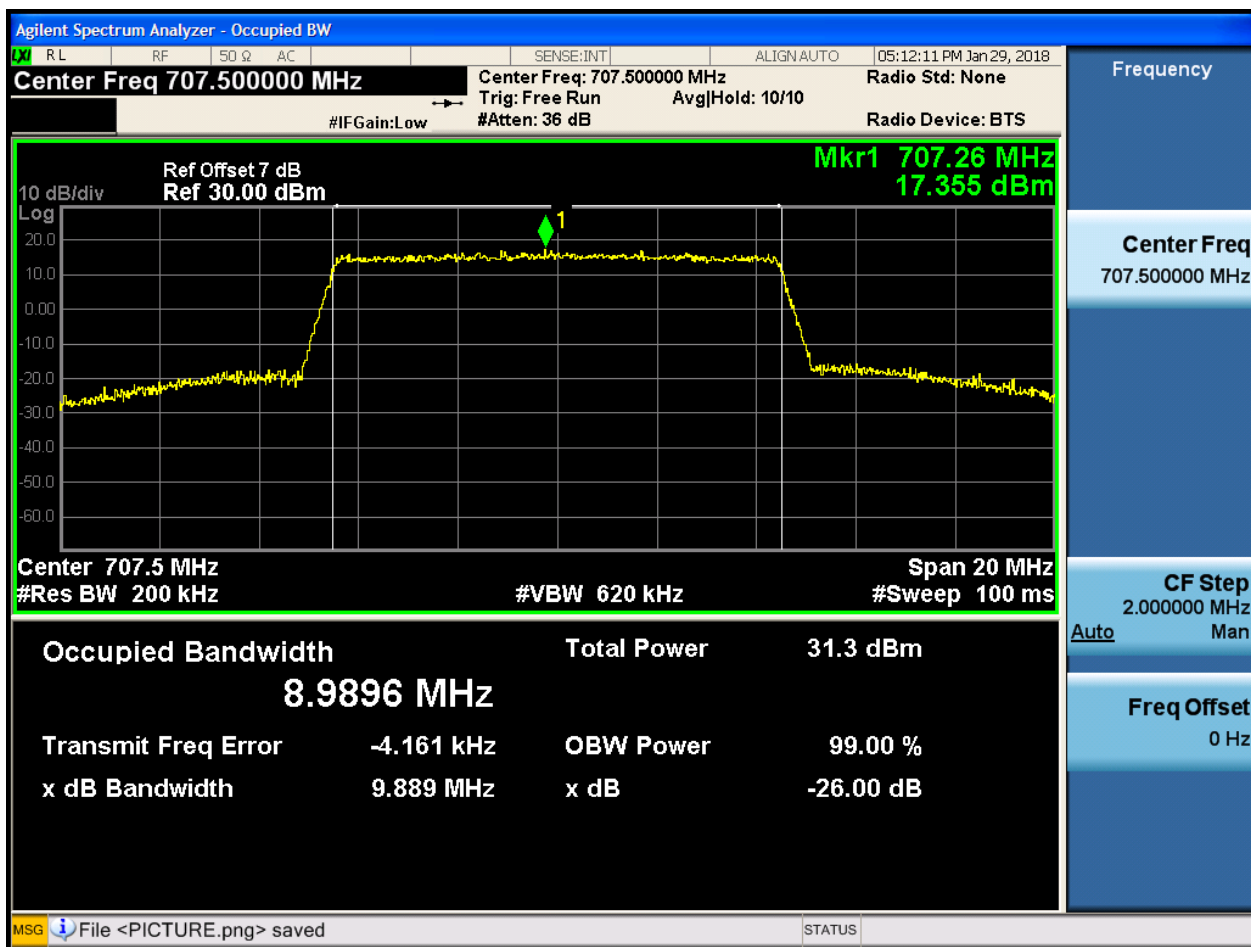
4.1.1.1.4.1.1 Test RB = RB50#0





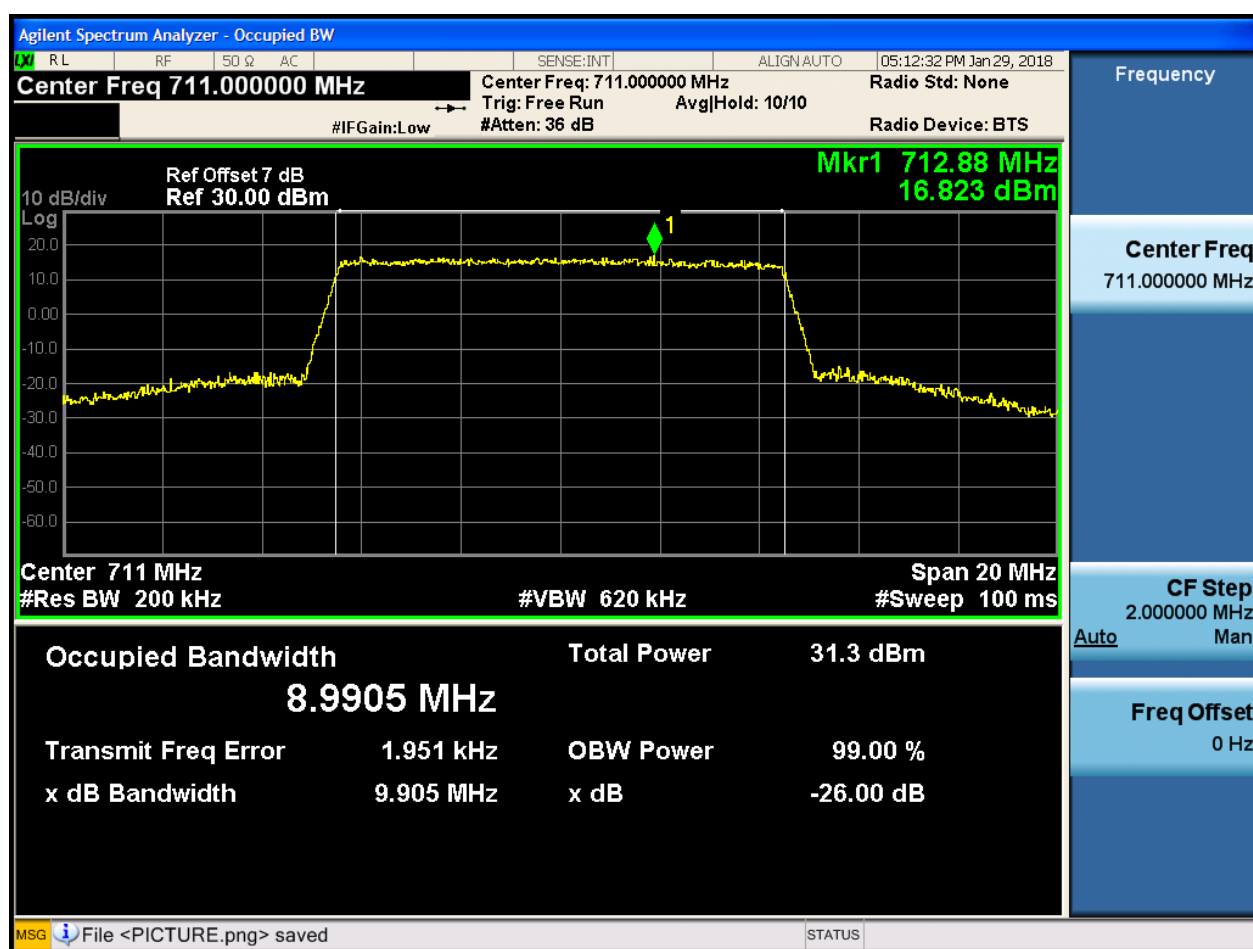
4.1.1.1.4.2 Test Channel = MCH

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



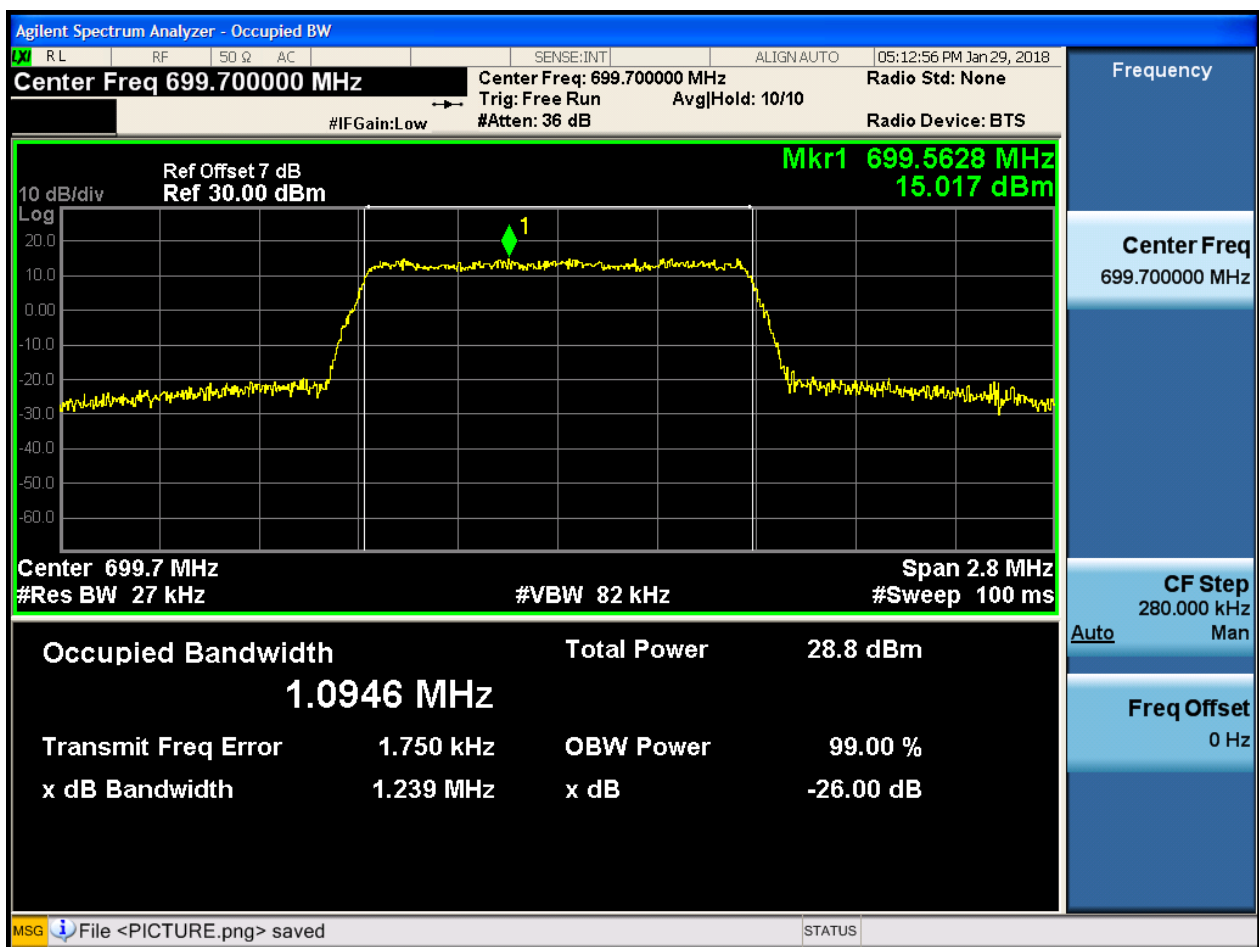


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

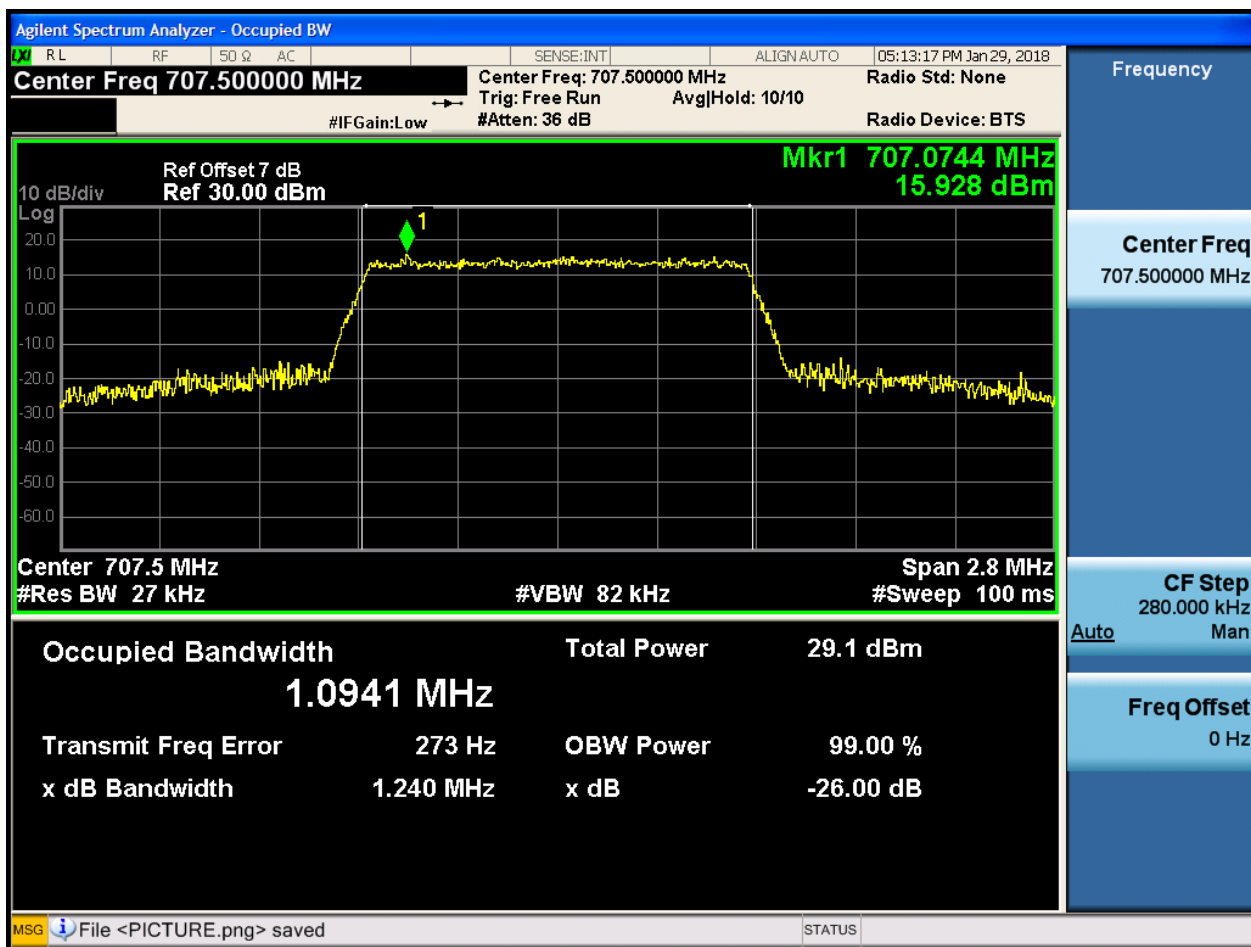
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

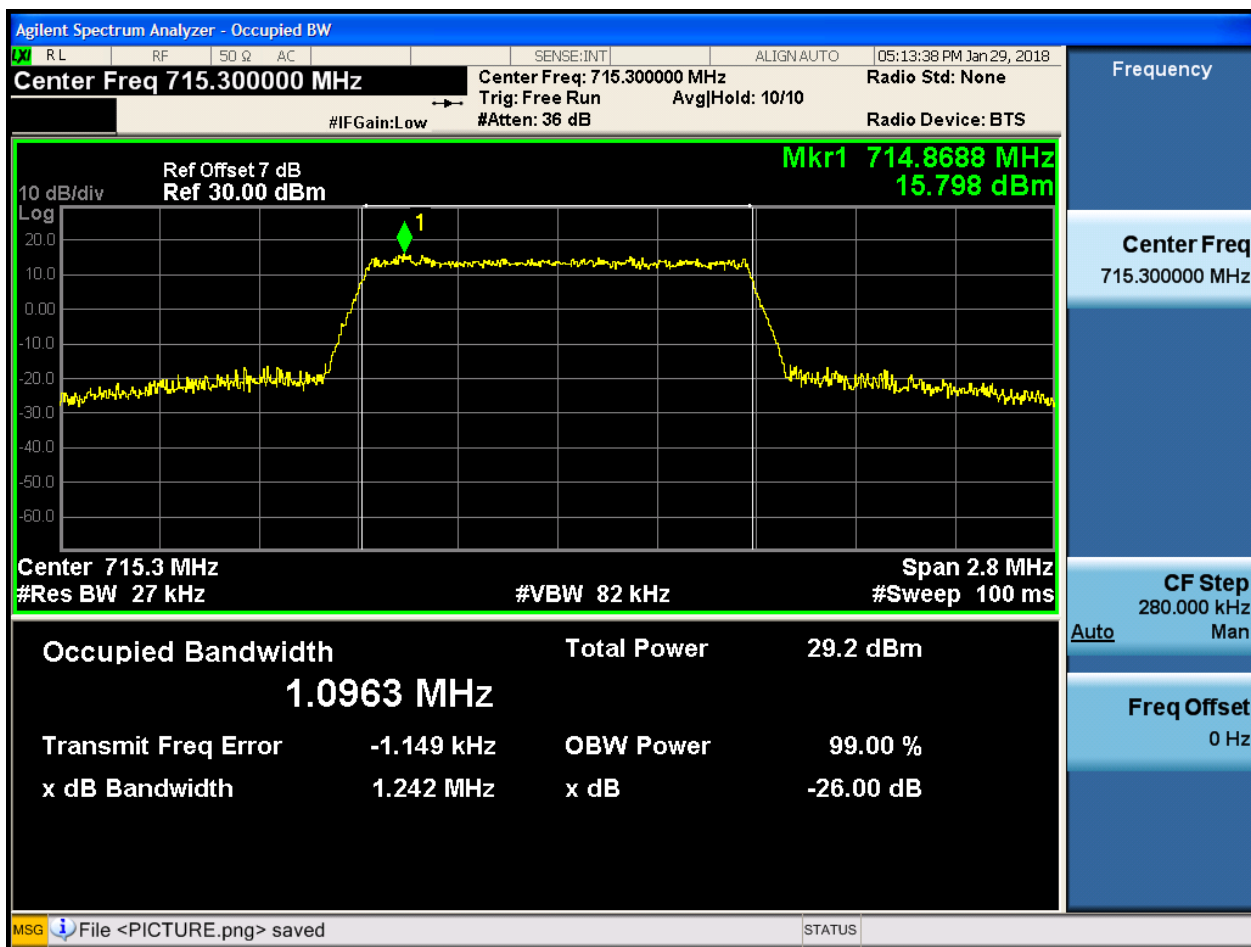
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

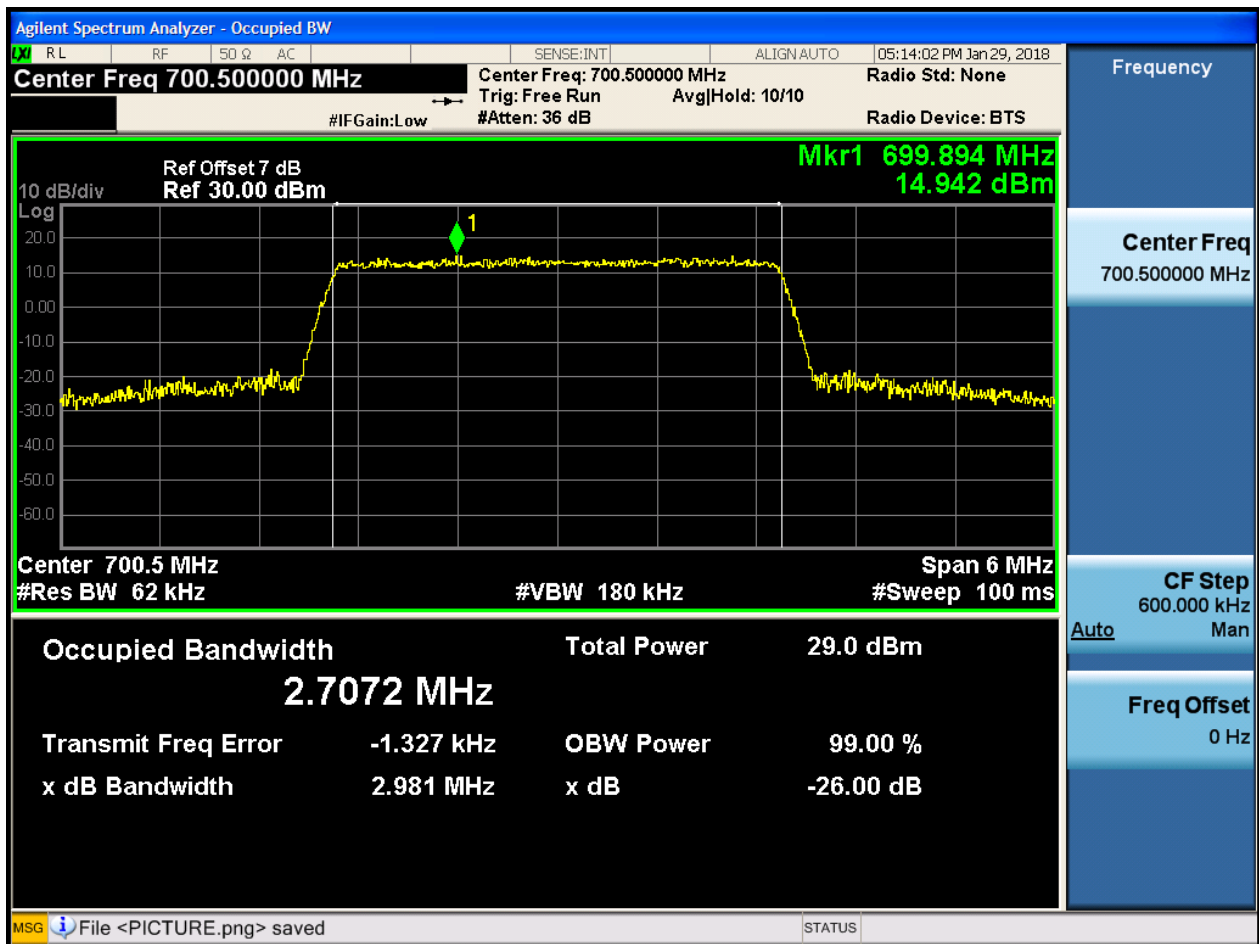




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

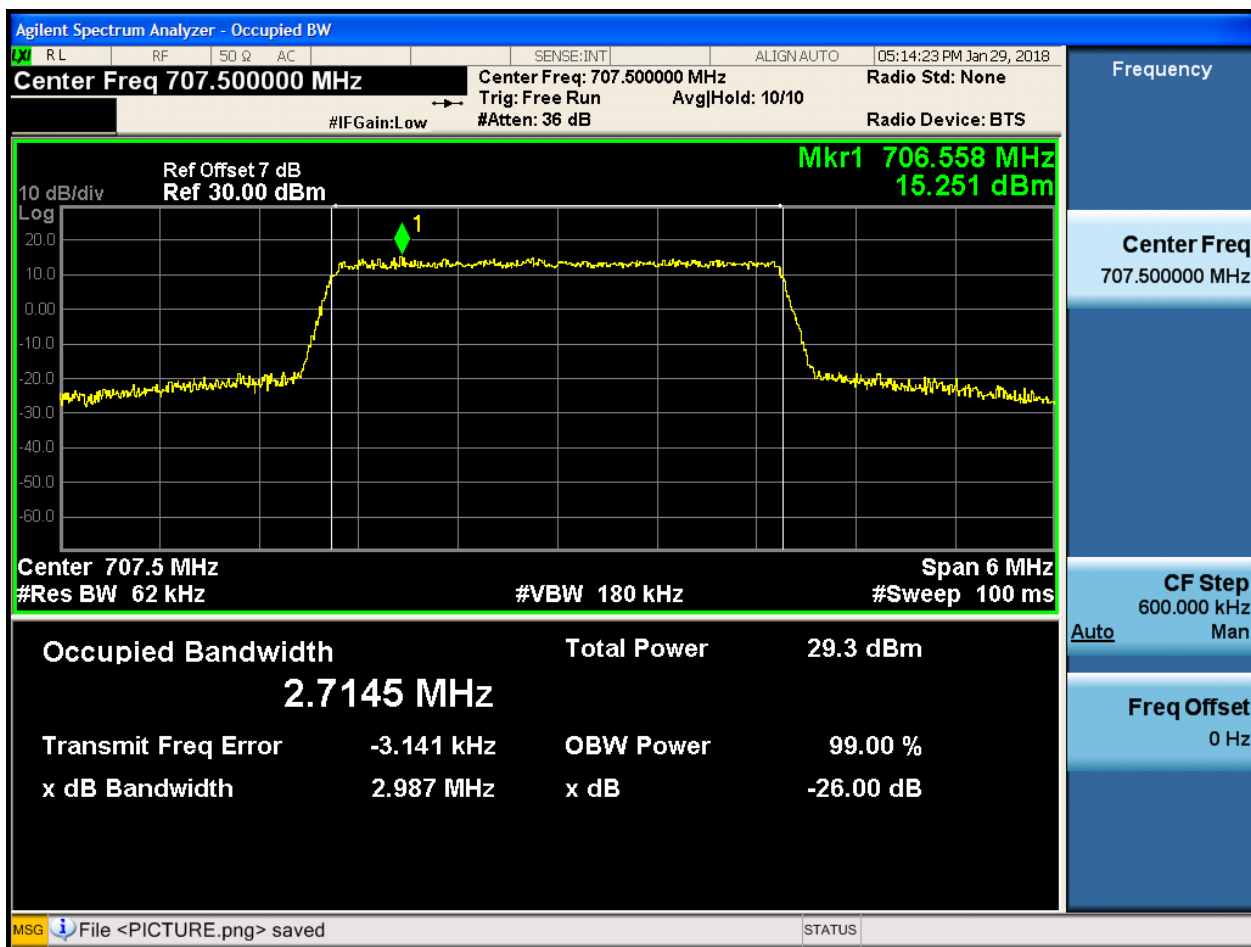
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

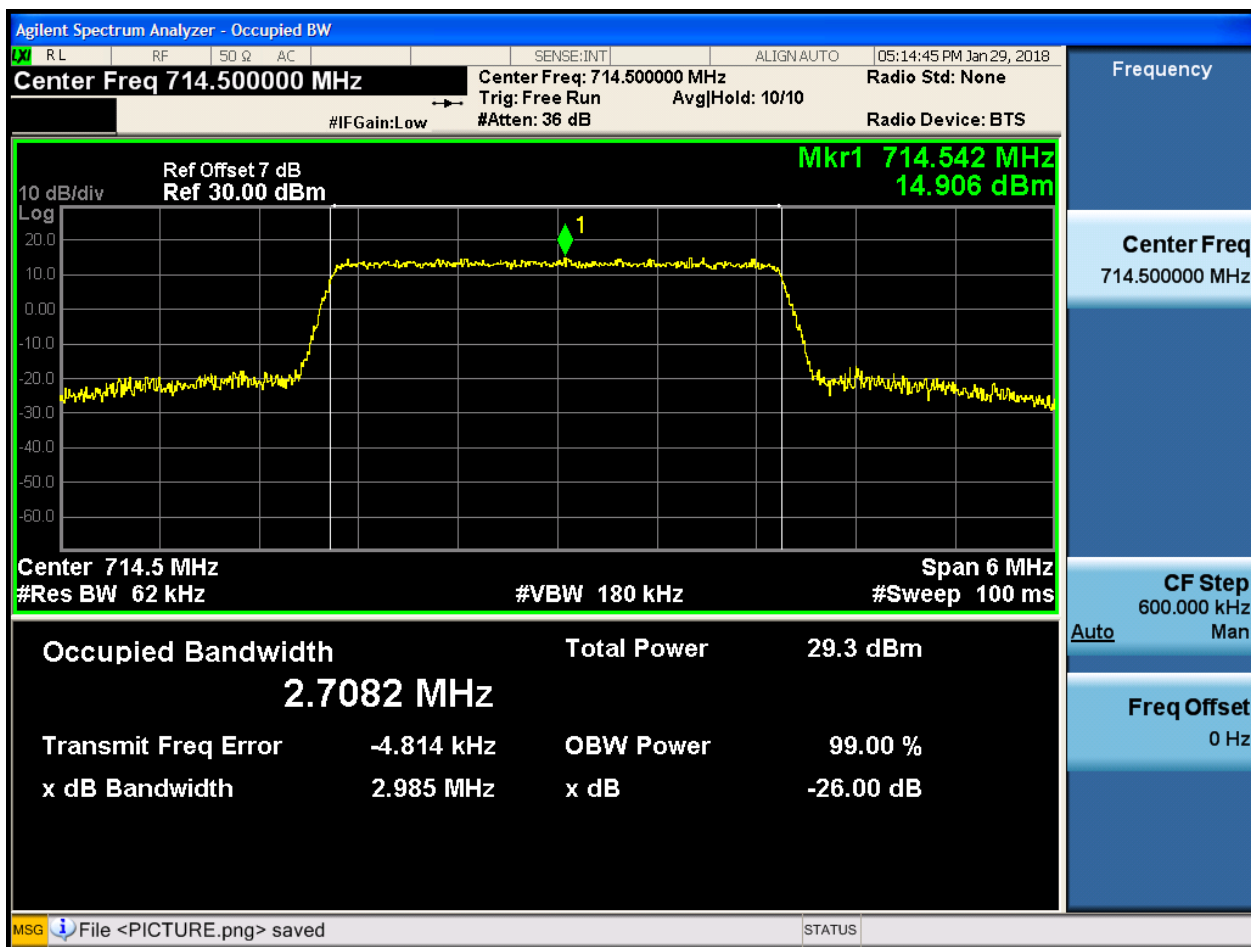
4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

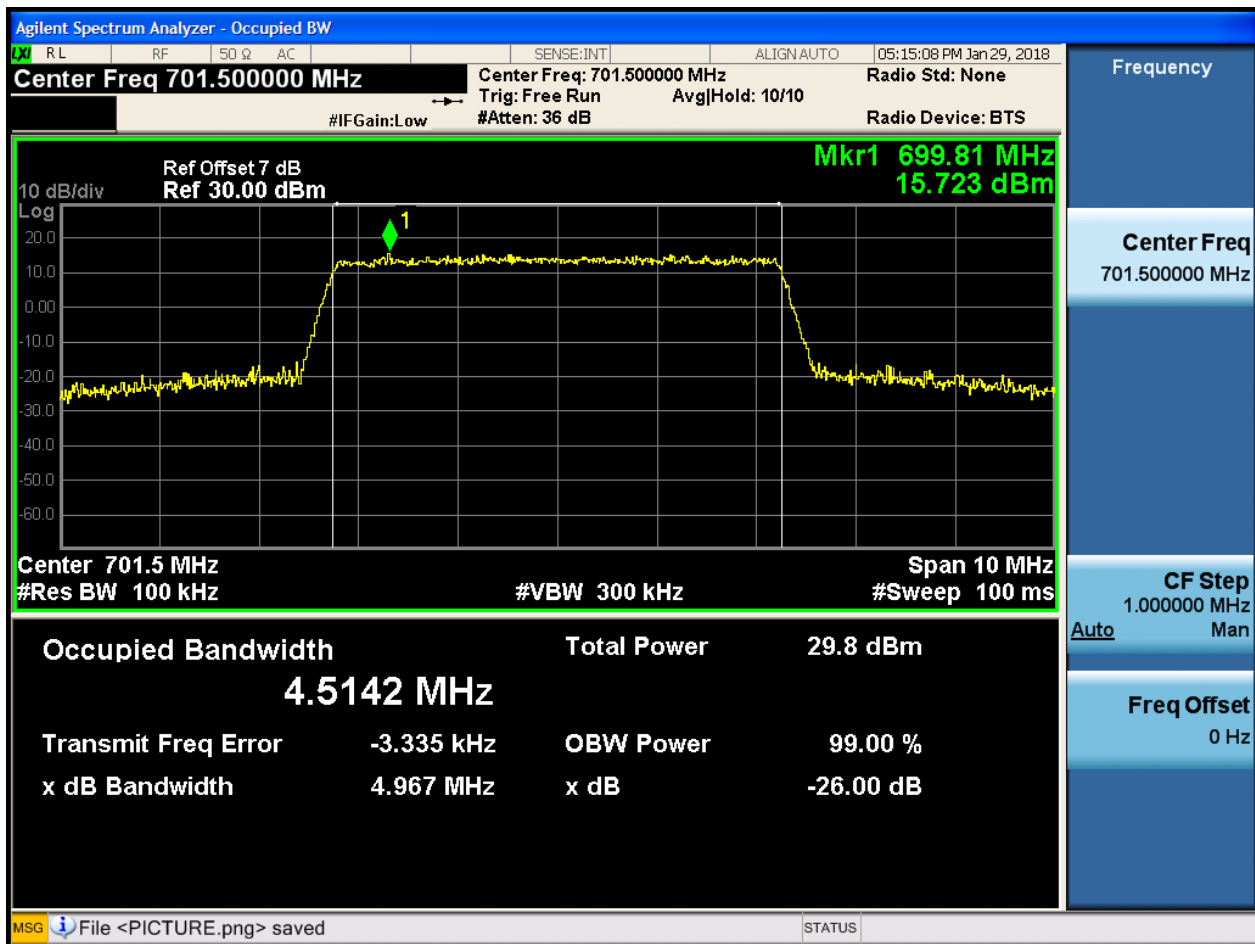




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

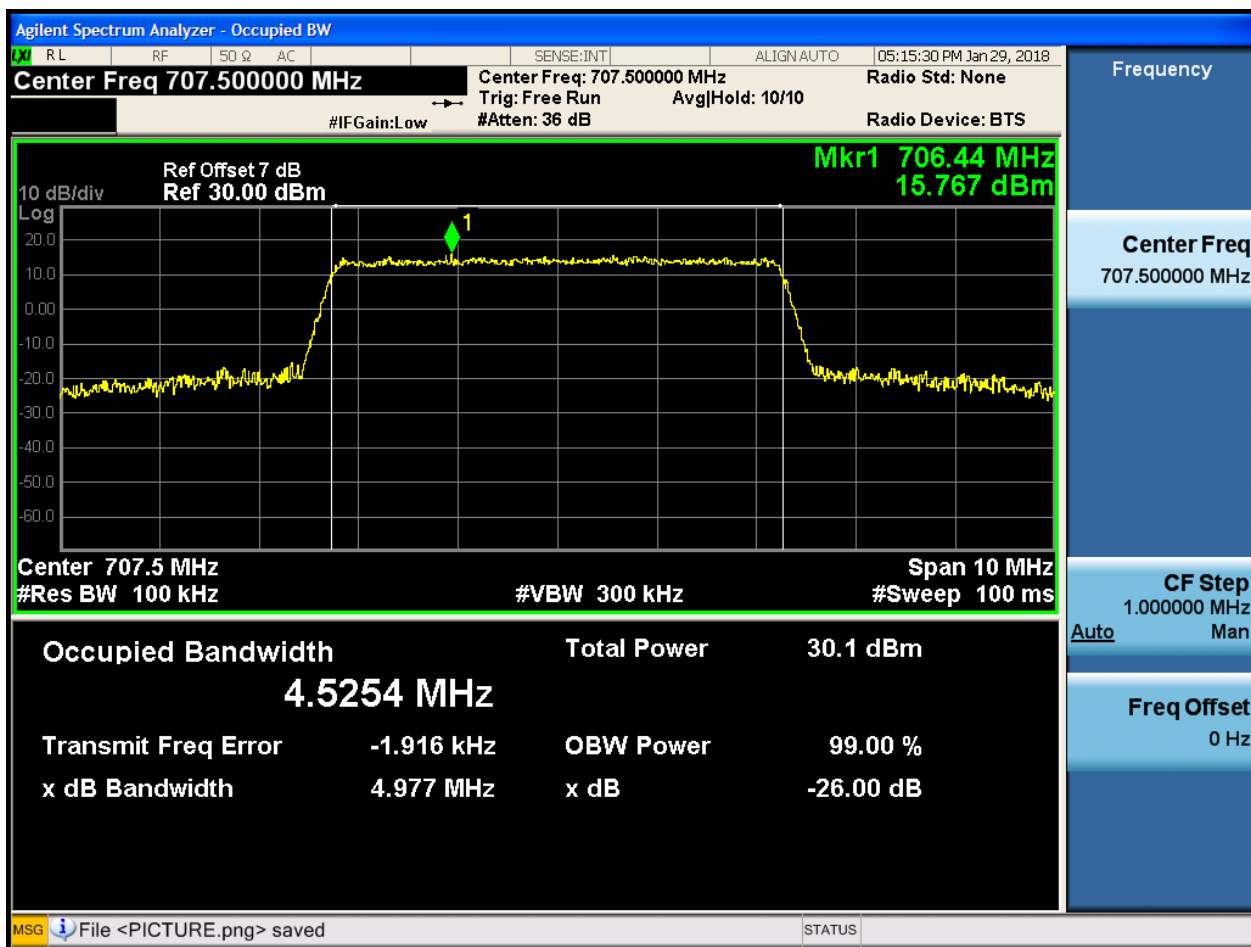
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

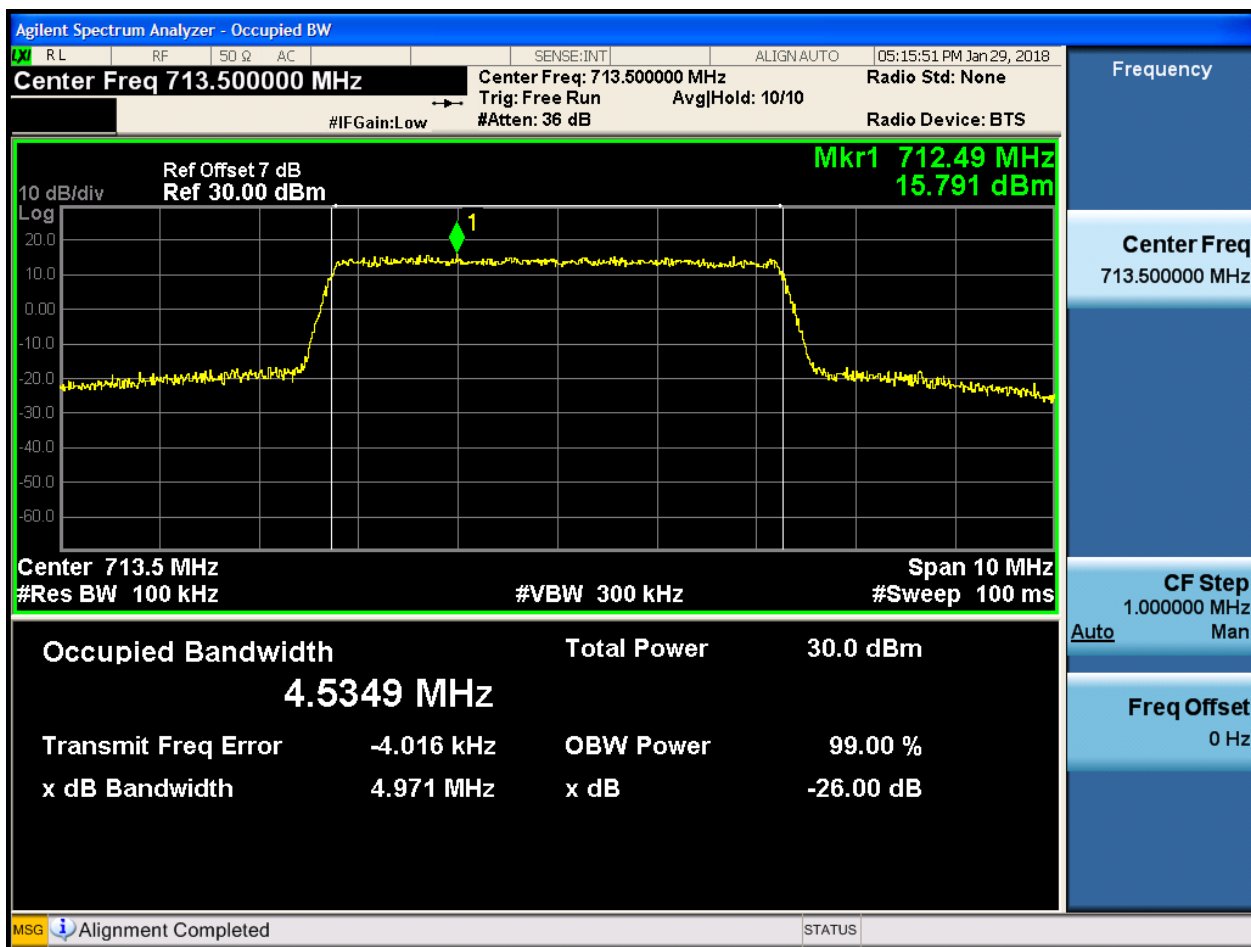
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

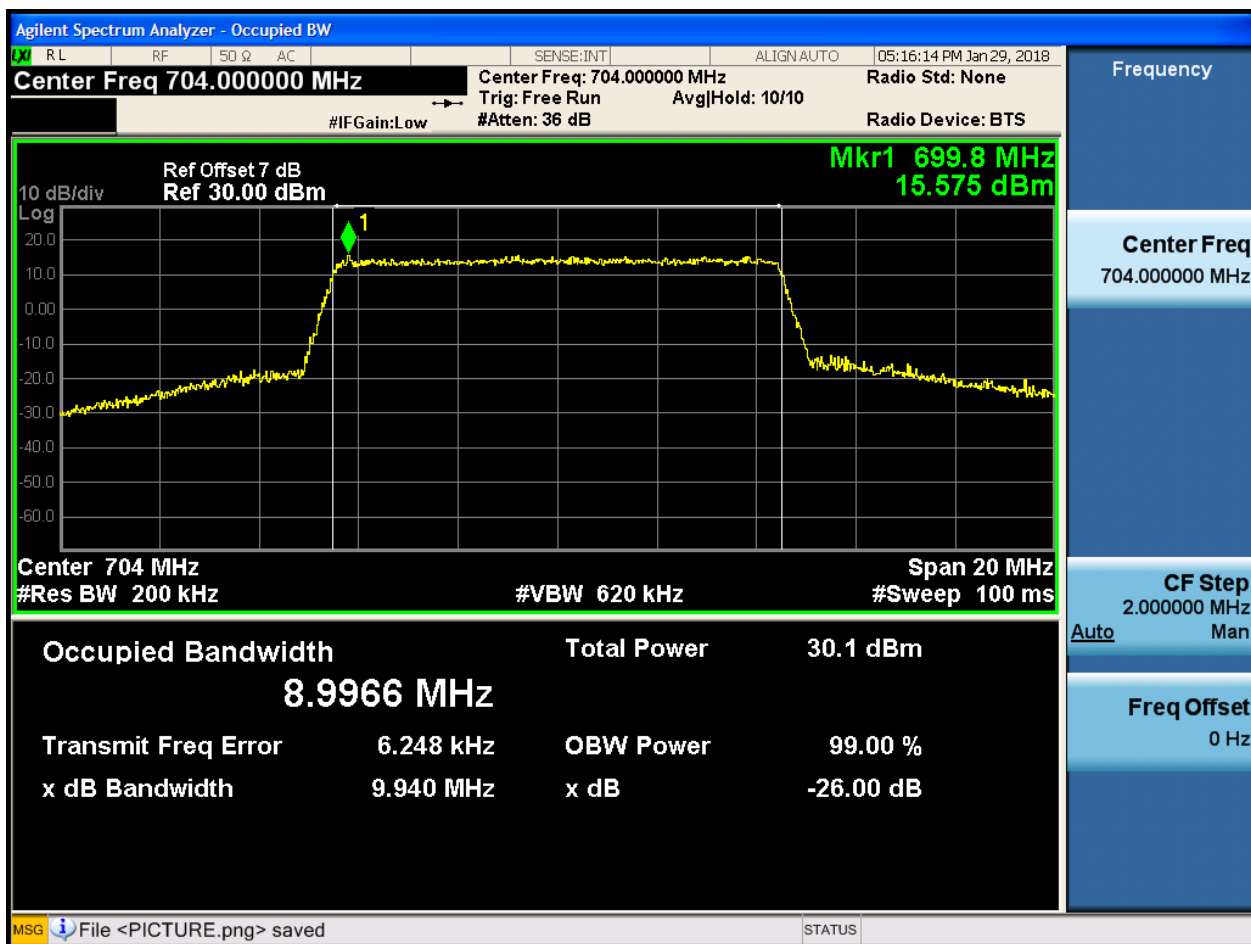




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

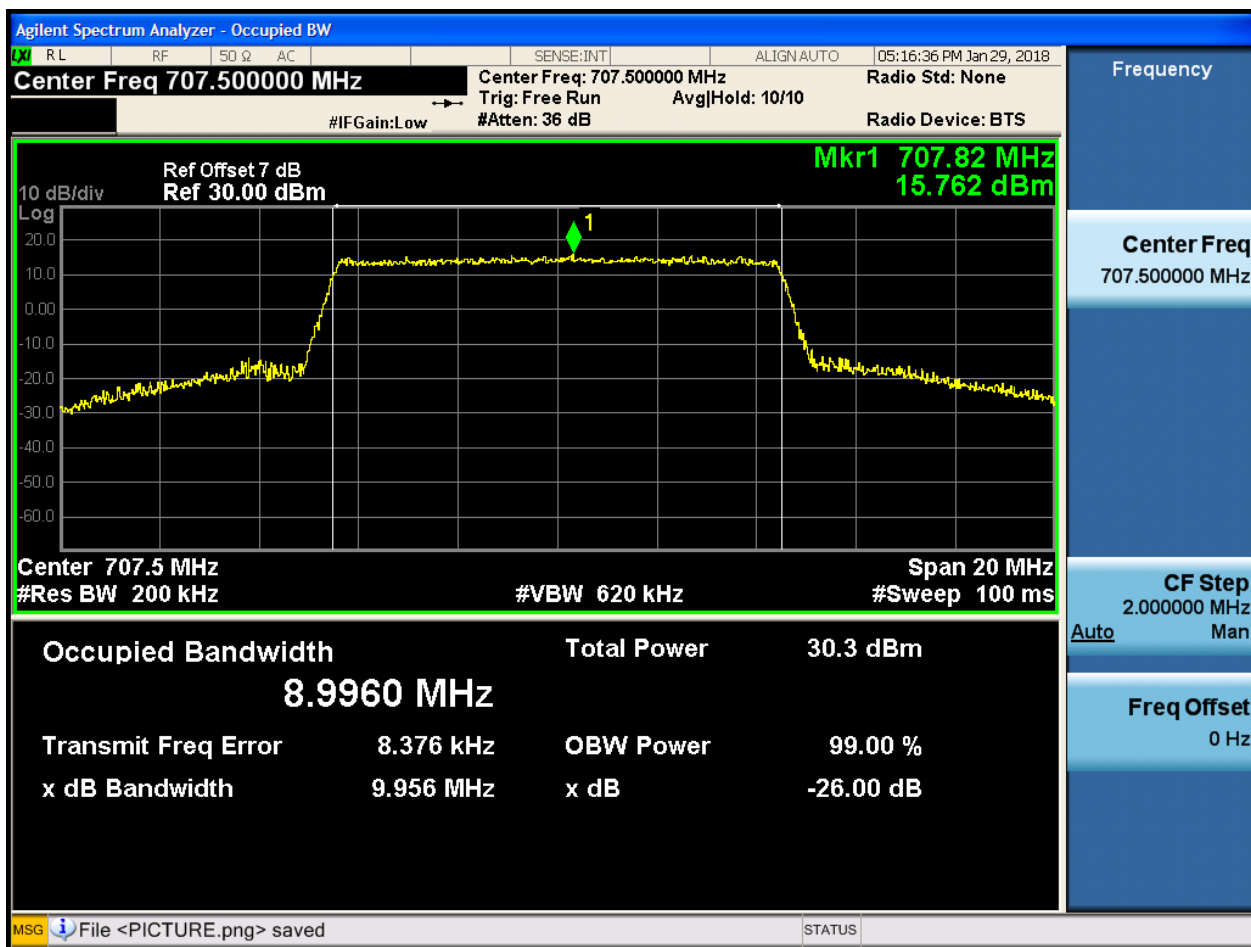
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

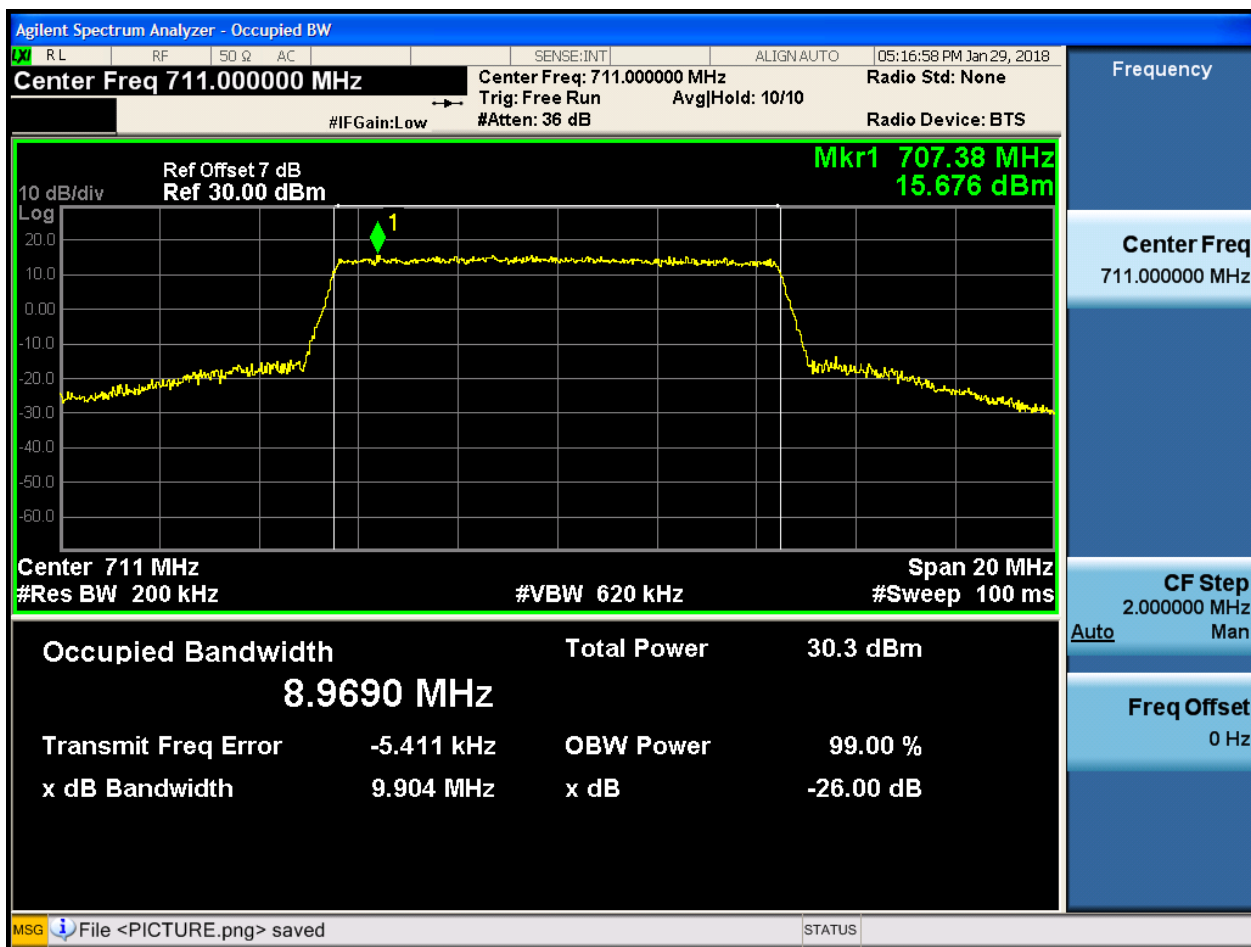
4.1.1.2.4.2.1 Test RB = RB50#0





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

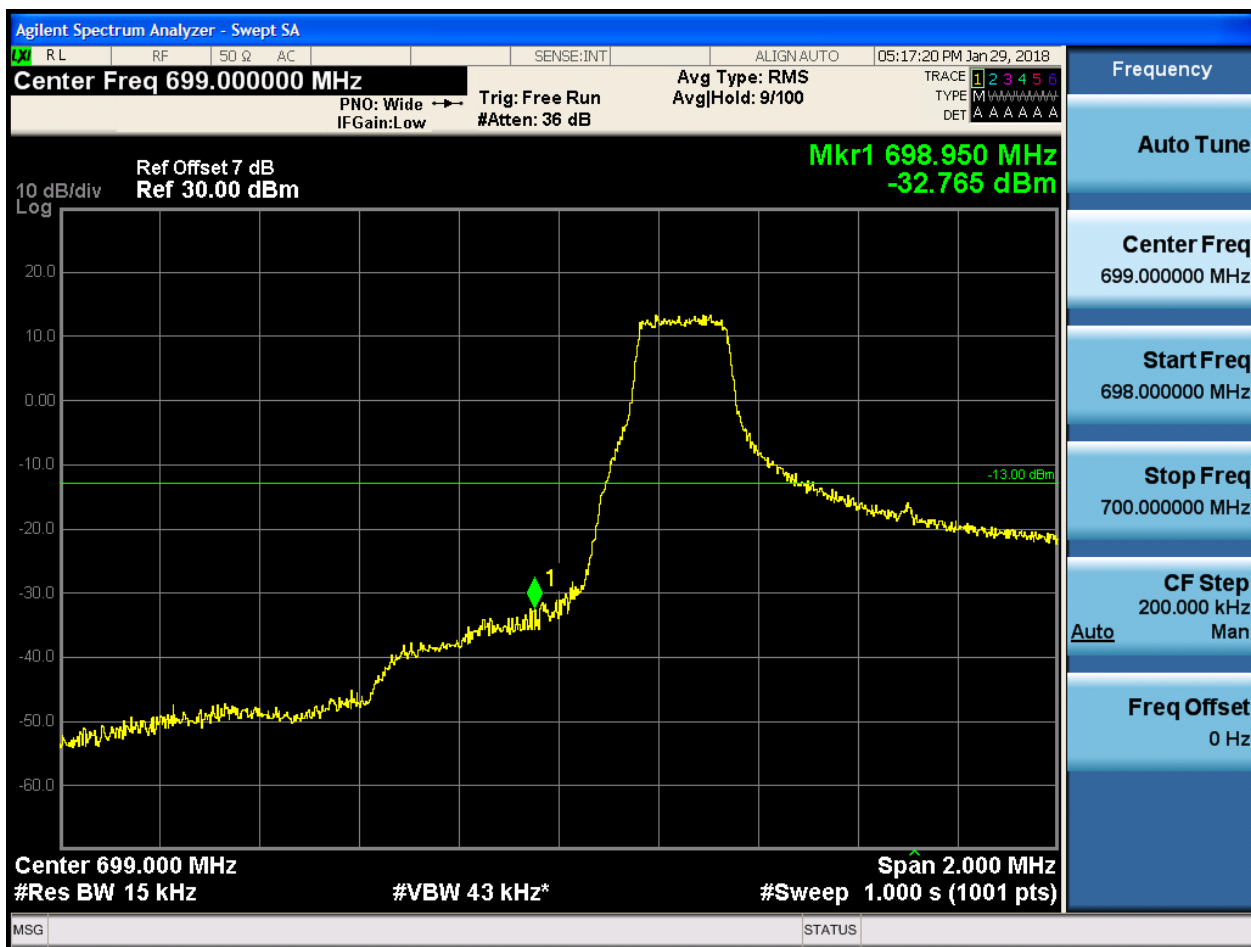
5.1.1 Test Band = BAND12

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

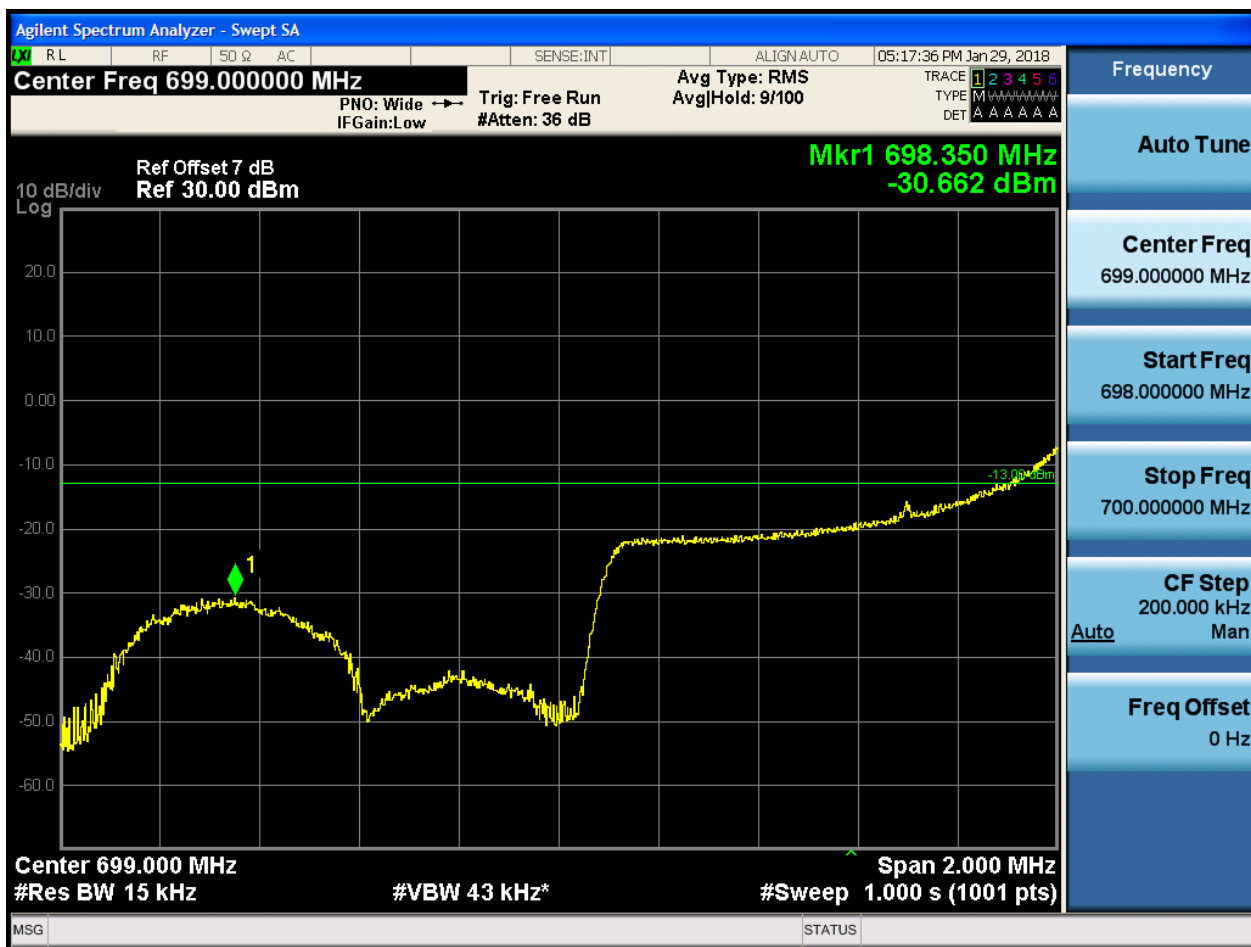
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



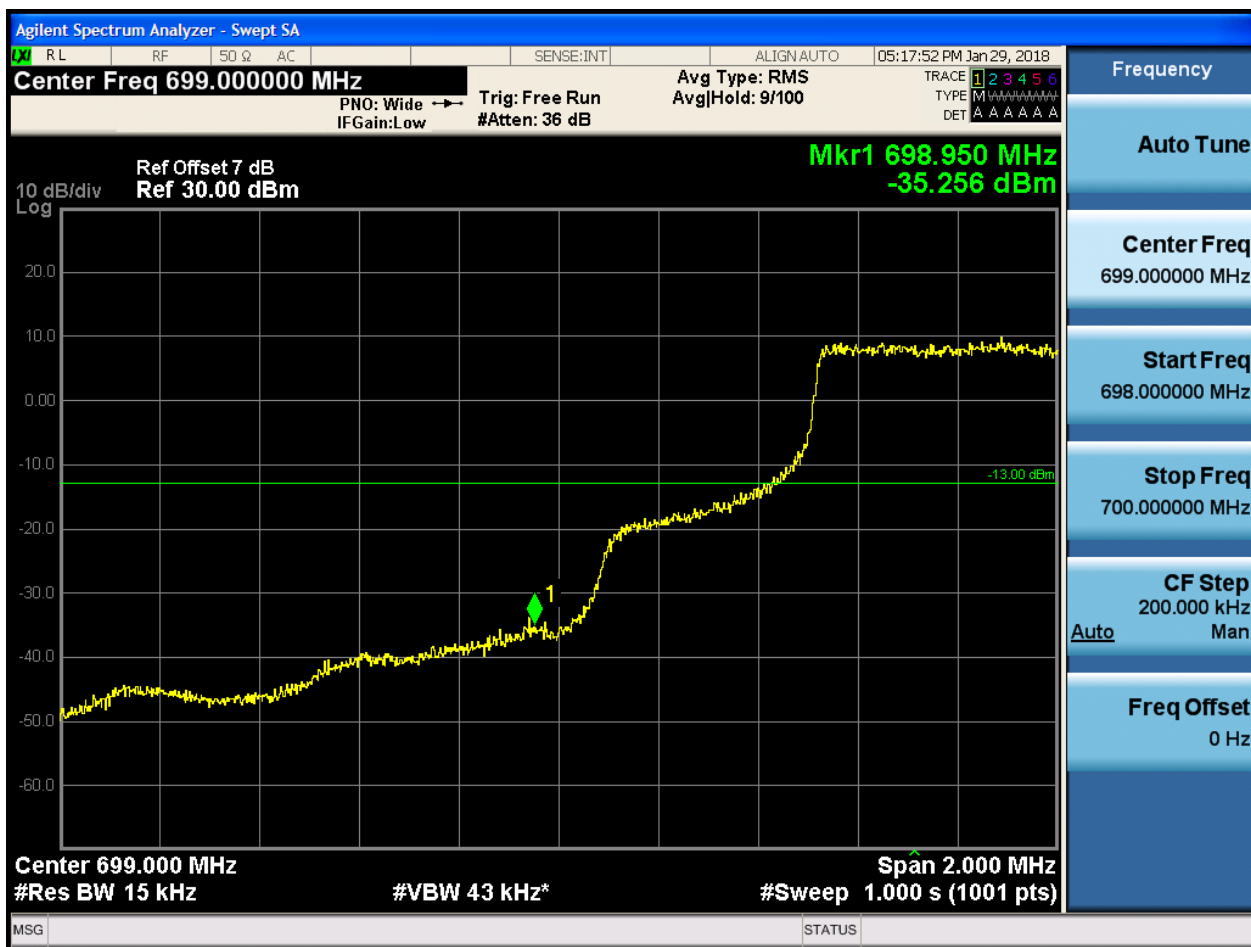


5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

Center Freq 699.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 698.910 MHz
-34.764 dBm

Center 699.000 MHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
699.000000 MHz

Start Freq
698.000000 MHz

Stop Freq
700.000000 MHz

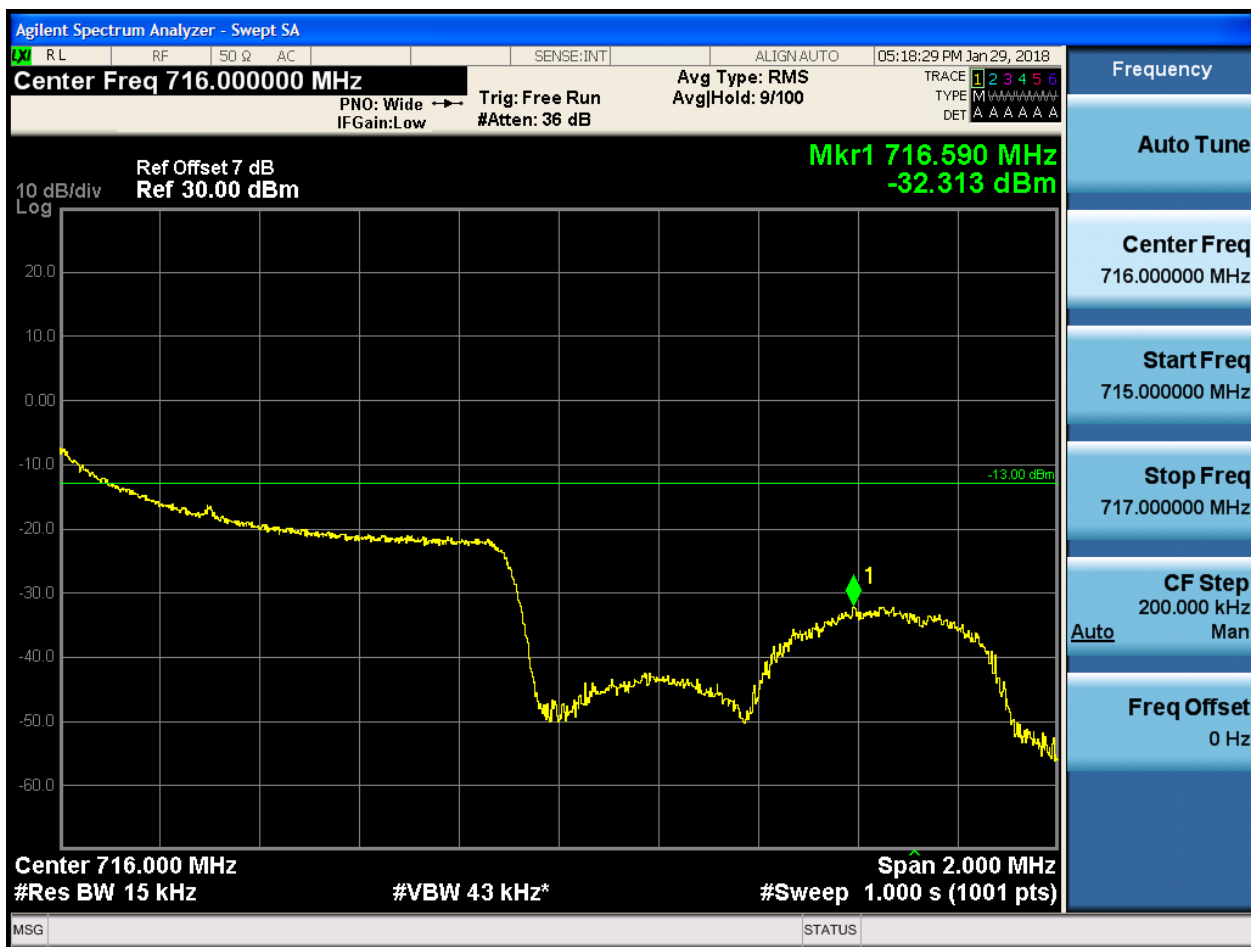
CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



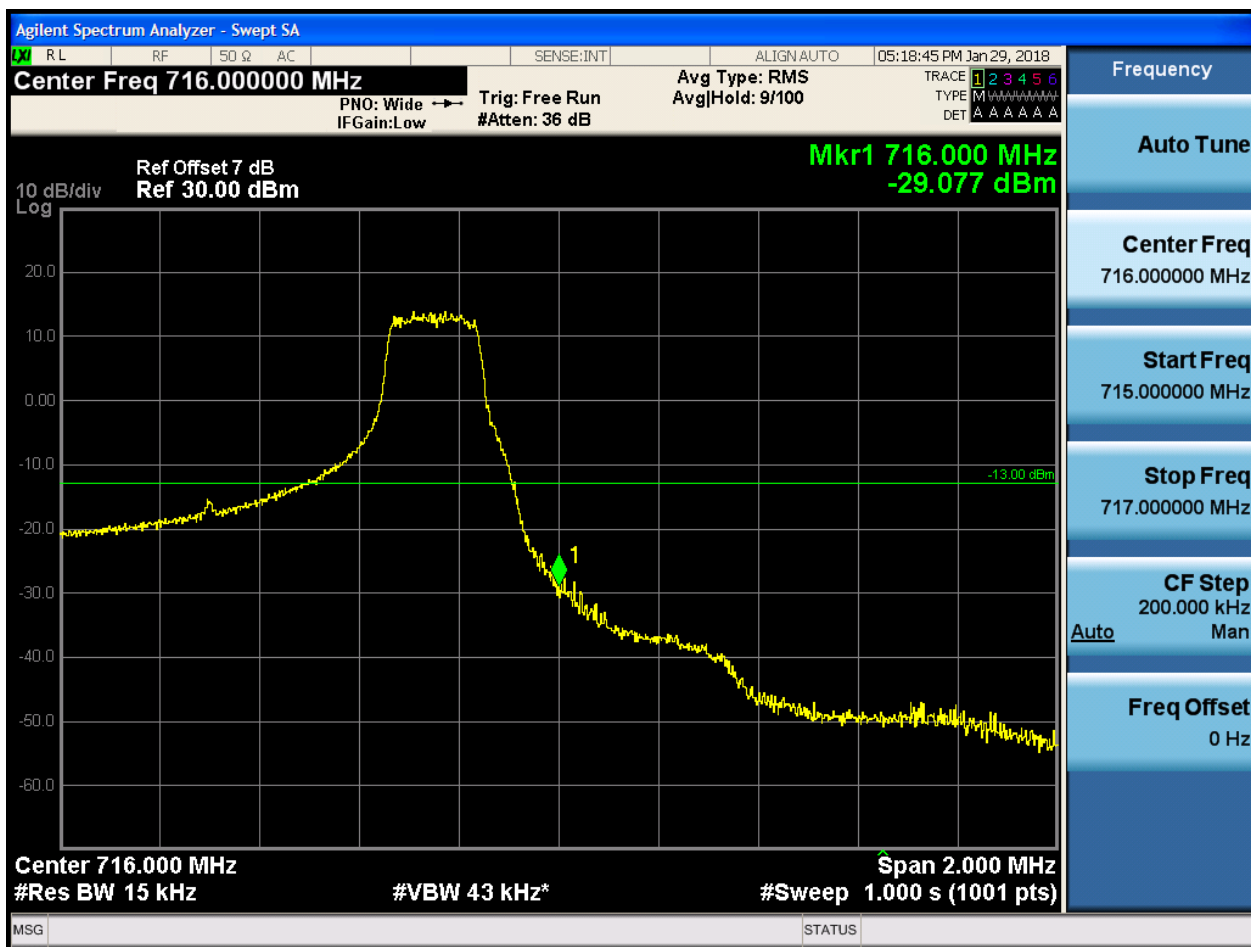
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 36 dB

Avg Type: RMS
Avg/Hold: 9/100

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 7 dB
Ref 30.00 dBm

Mkr1 716.040 MHz
-29.483 dBm

10 dB/div
Log

Center 716.000 MHz
#Res BW 15 kHz

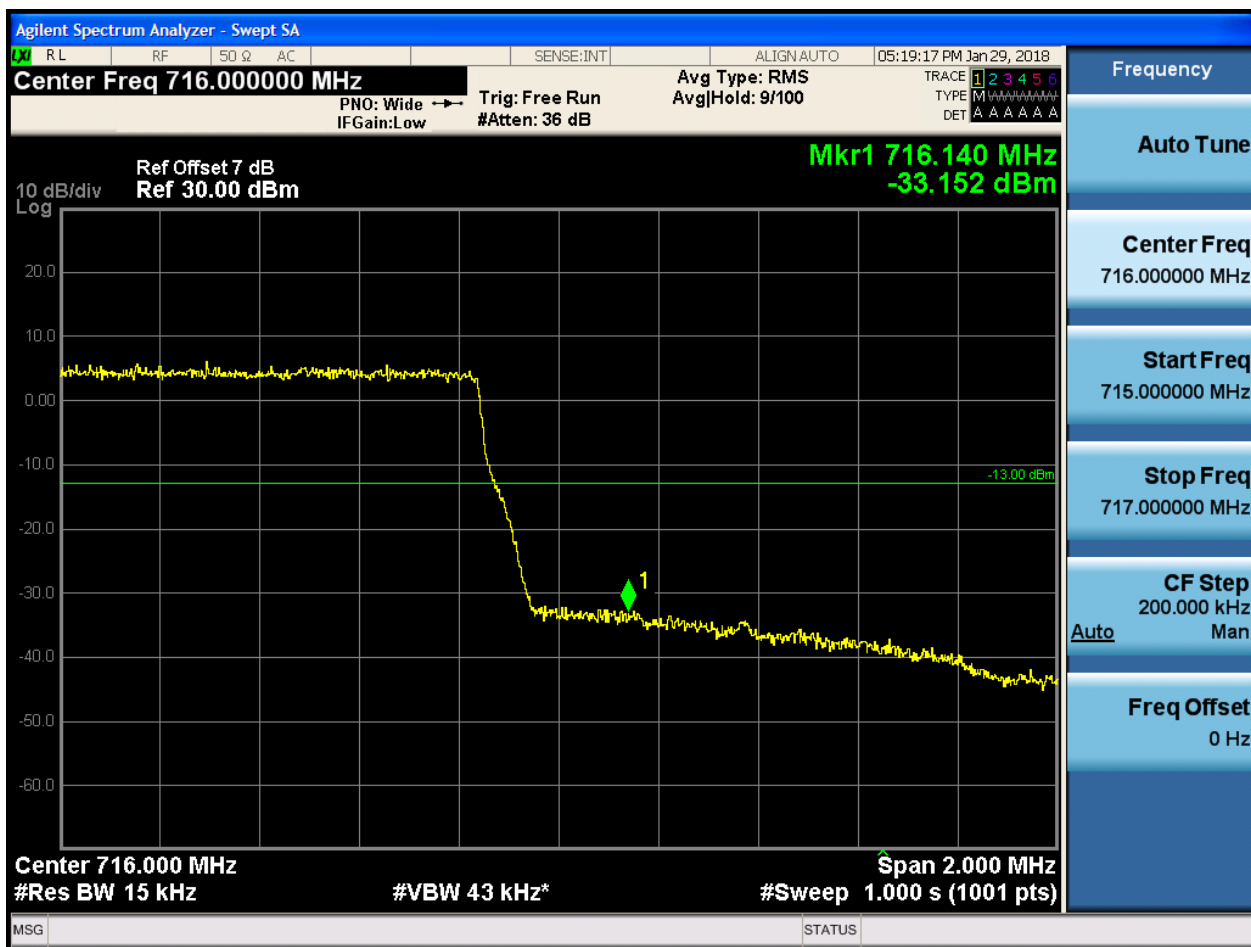
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency
Auto Tune
Center Freq 716.000000 MHz
Start Freq 715.000000 MHz
Stop Freq 717.000000 MHz
CF Step 200.000 kHz <u>Auto</u> Man
Freq Offset 0 Hz



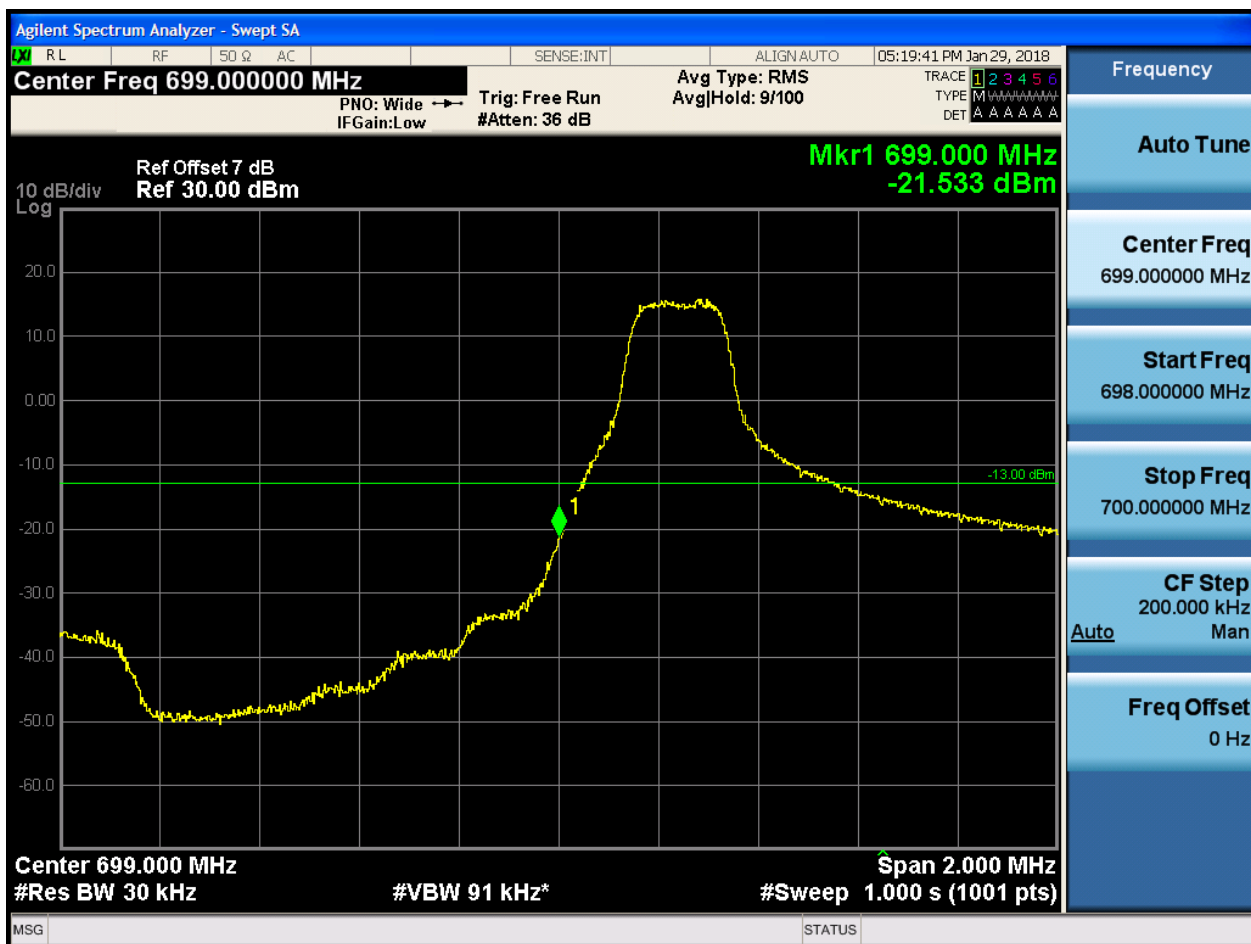
5.1.1.1.1.2.4 Test RB = RB6#0



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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:19:57 PM Jan 29, 2018

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 7 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-35.745 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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:20:13 PM Jan 29, 2018

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 7 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-33.547 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 05:20:29 PM Jan 29, 2018

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-30.339 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

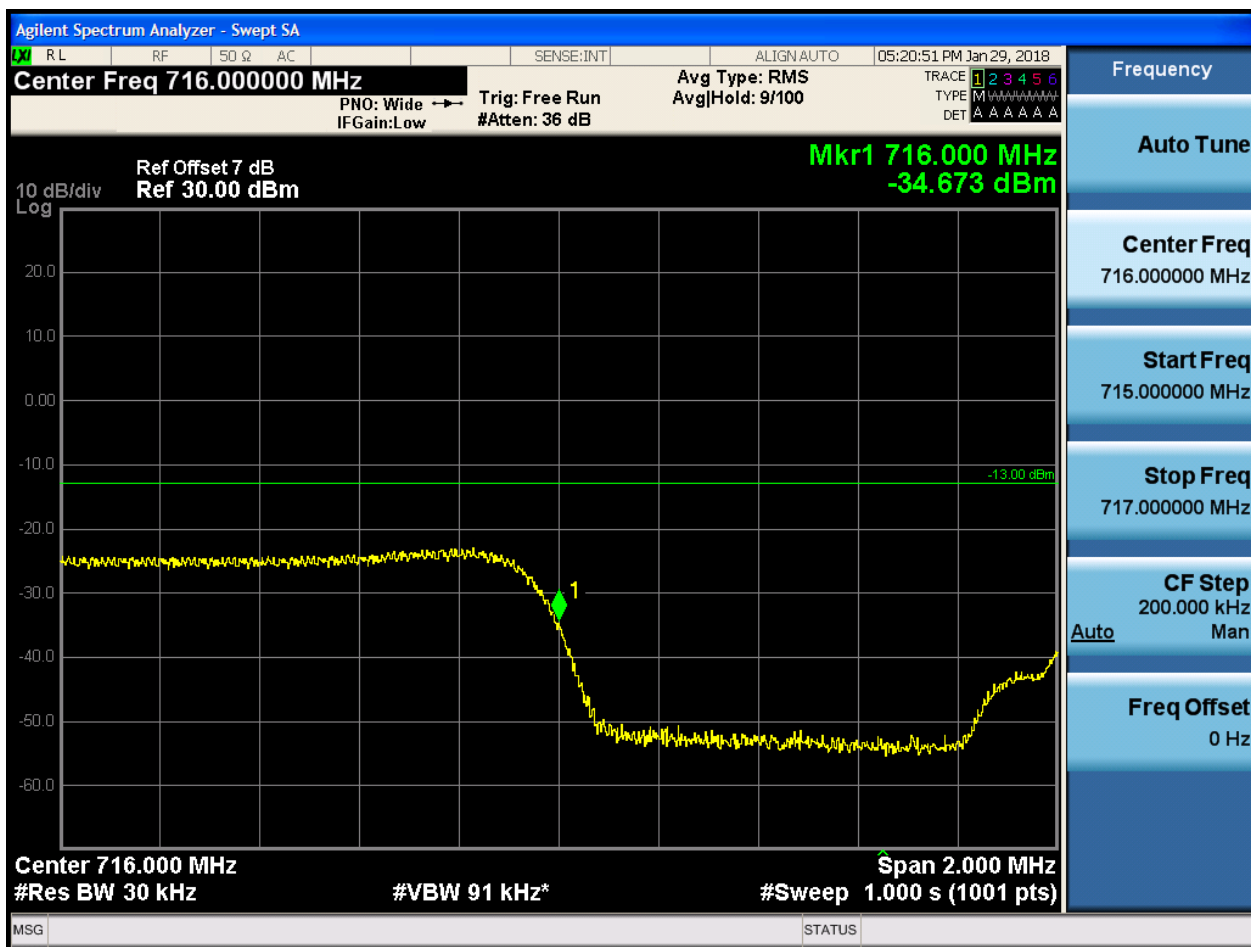
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:21:06 PM Jan 29, 2018

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 716.000 MHz
-20.473 dBm

10 dB/div
Log

20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

1

Center 716.000 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
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:21:38 PM Jan 29, 2018

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A A

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 716.000 MHz
-30.477 dBm

10 dB/div
Log

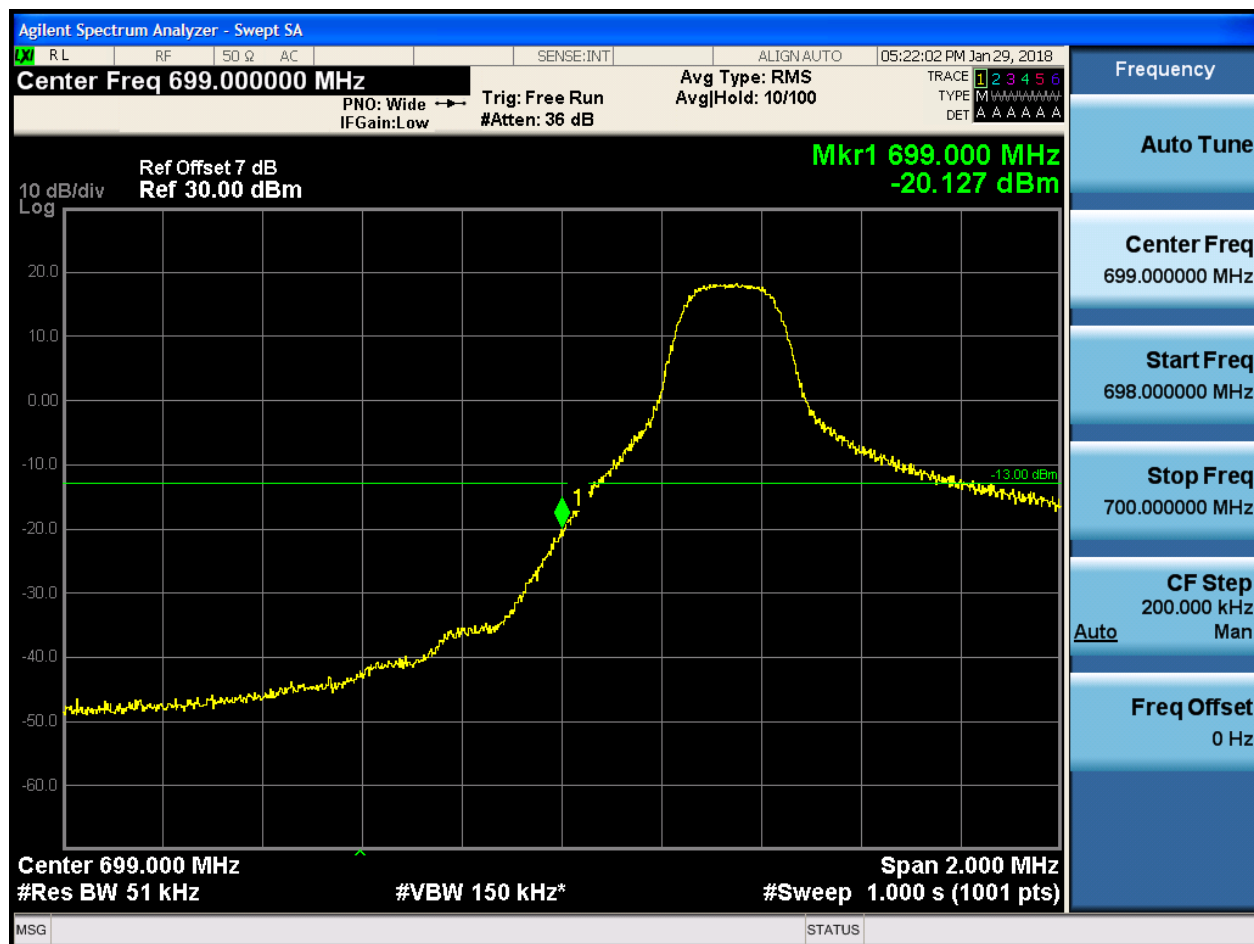
Center 716.000 MHz
#Res BW 30 kHz #VBW 91 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

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





Agilent Spectrum Analyzer - Swept SA

Center Freq 699.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Center 699.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 10/100

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

Mkr1 698.990 MHz
-39.311 dBm

-13.00 dBm

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:22:35 PM Jan 29, 2018

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 10/100
#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 7 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-34.737 dBm

10 dB/div
Log

Center 699.000 MHz
#Res BW 51 kHz
#VBW 150 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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:22:51 PM Jan 29, 2018

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 699.000 MHz
-31.290 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

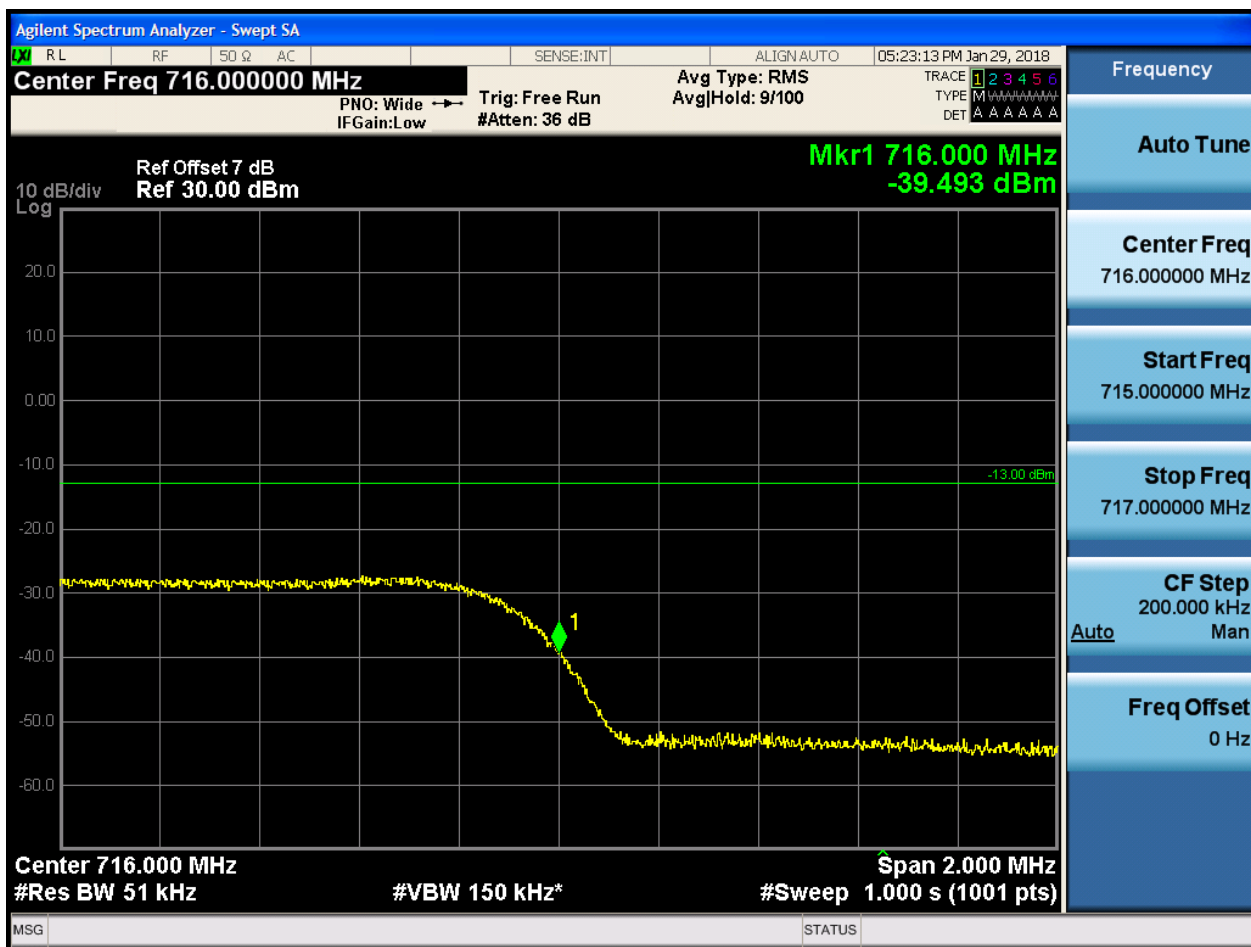
Center 699.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



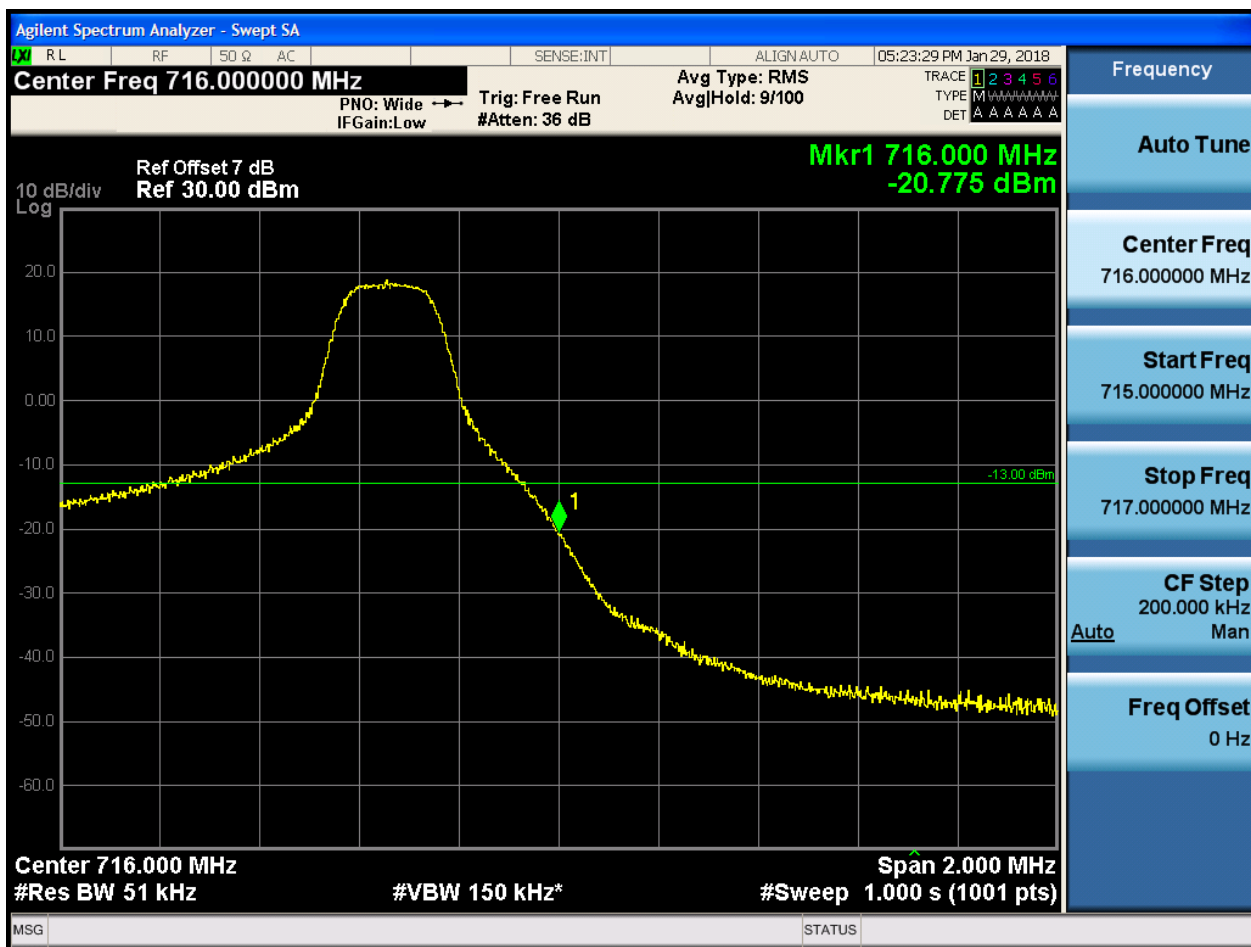
5.1.1.1.3.2 Test Channel = HCH

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

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:23:45 PM Jan 29, 2018

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.020 MHz
-33.558 dBm

-13.00 dBm

1

Center 716.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 150 kHz*

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

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:24:01 PM Jan 29, 2018

Center Freq 716.000000 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 dB
 Ref 30.00 dBm

Mkr1 716.000 MHz
 -30.787 dBm

10 dB/div
 Log

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

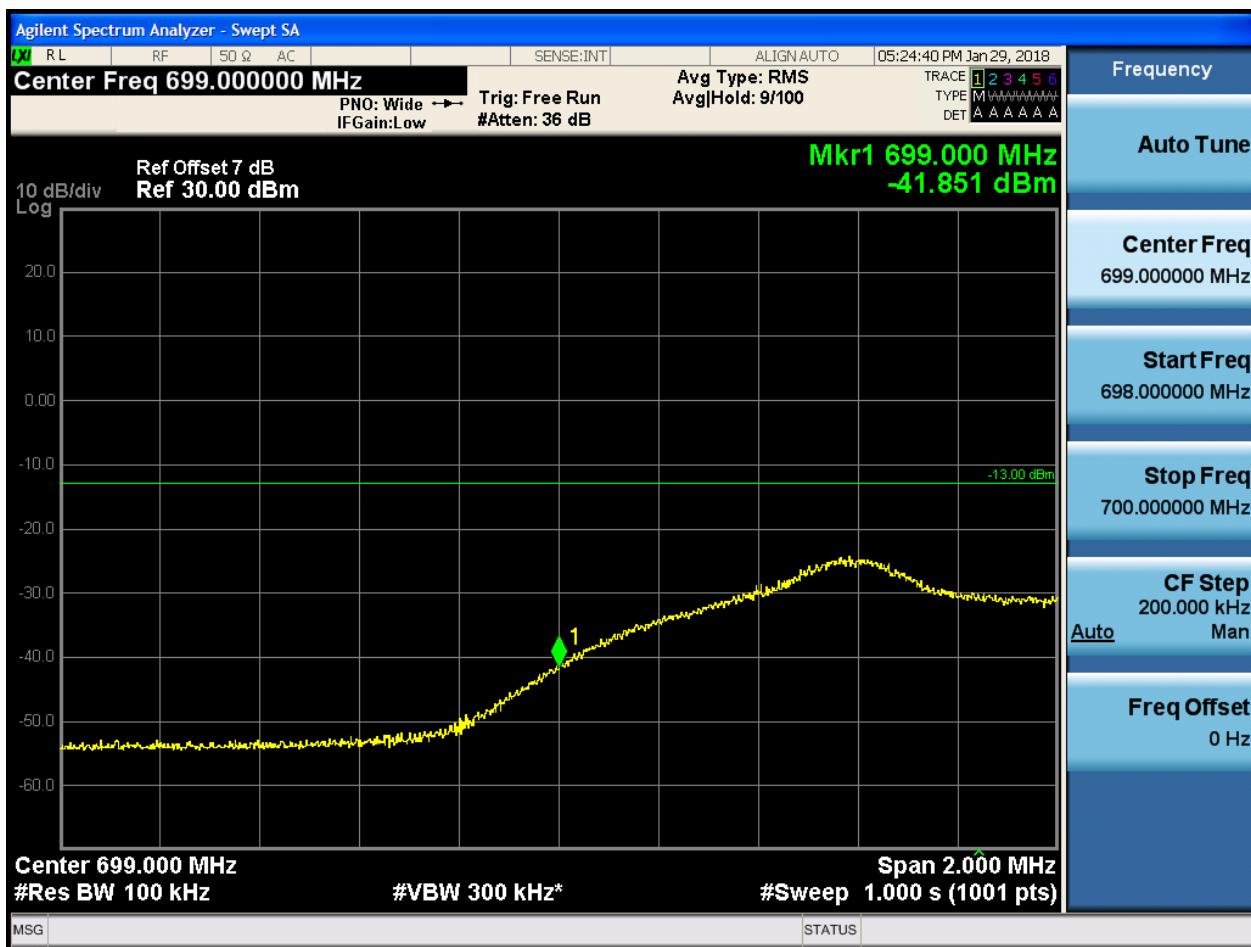
Freq Offset
 0 Hz

MSG STATUS





5.1.1.1.4.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:24:57 PM Jan 29, 2018

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 698.970 MHz
-35.957 dBm

10 dB/div
Log

-13.00 dBm

Center 699.000 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
699.000000 MHz
Start Freq
698.000000 MHz
Stop Freq
700.000000 MHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 699.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 698.980 MHz
-34.065 dBm

Center 699.000 MHz
#Res BW 100 kHz
#VBW 300 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 Man

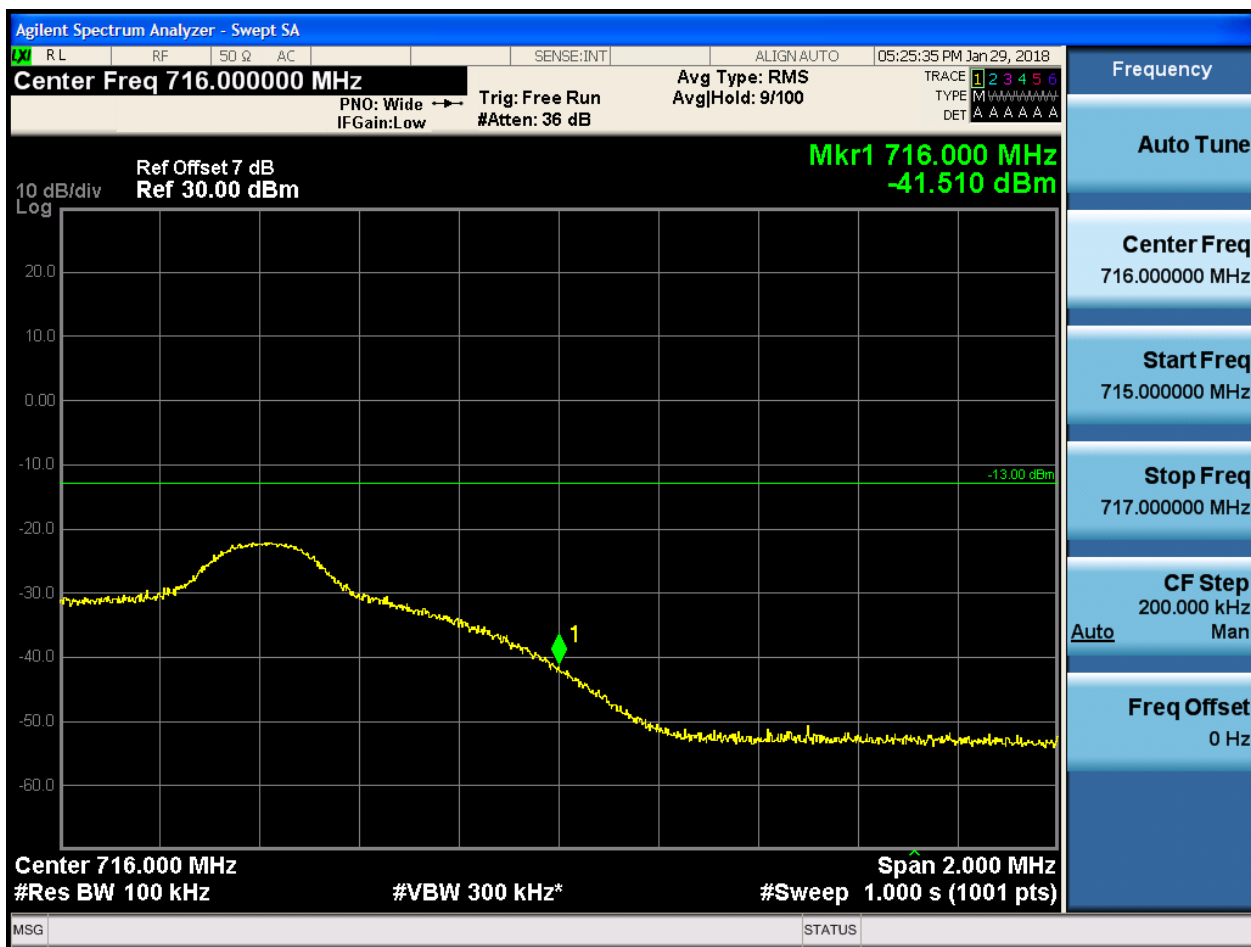
Freq Offset
0 Hz

MSG STATUS



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 7 dB
Ref 30.00 dBm

10 dB/div
Log

Center 716.000 MHz
#Res BW 100 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

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

Freq Offset
0 Hz

Msg

Status



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:26:07 PM Jan 29, 2018

Center Freq 716.000000 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 dB
Ref 30.00 dBm

Mkr1 716.020 MHz
-35.378 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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:26:23 PM Jan 29, 2018

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 716.030 MHz
-31.873 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

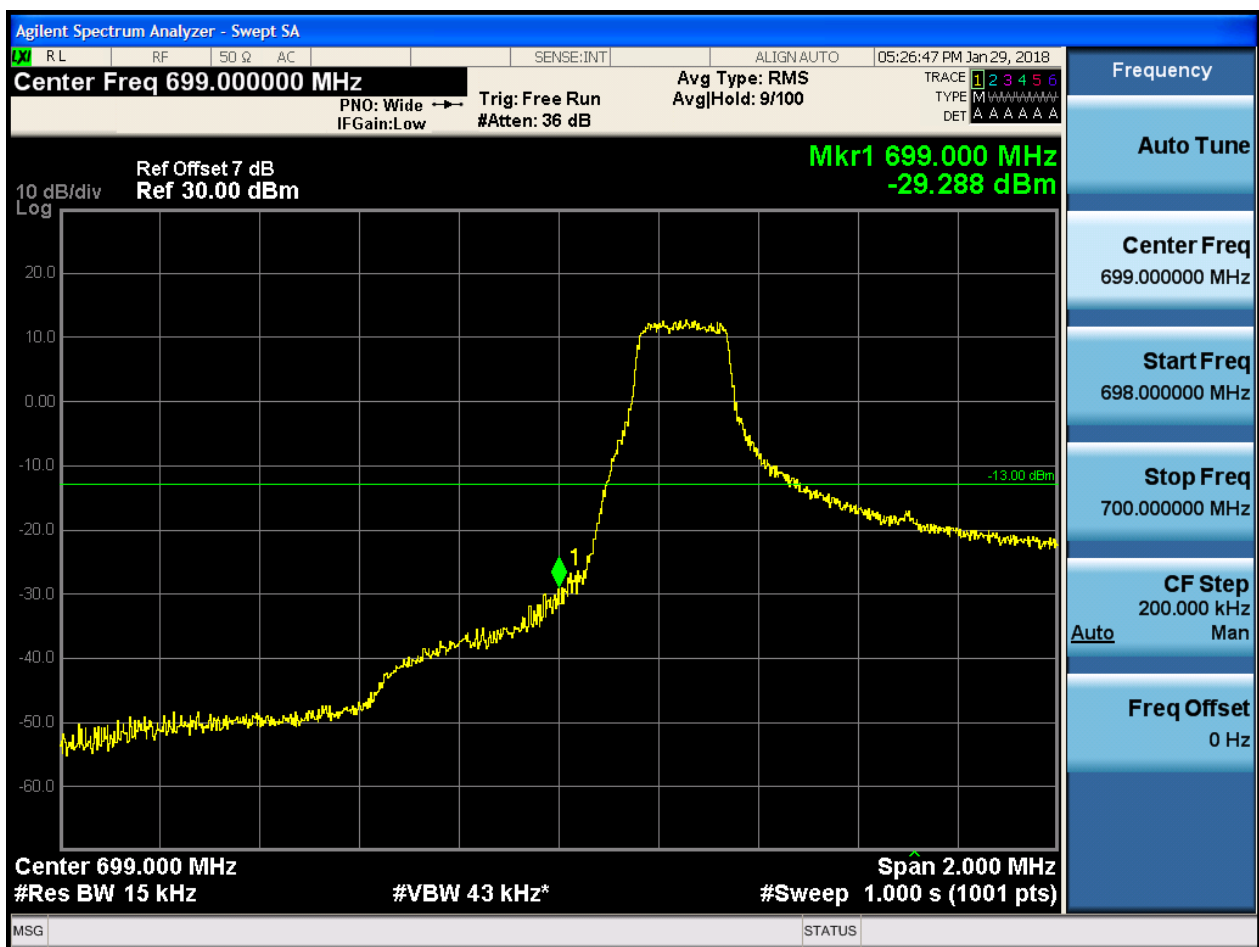


5.1.1.2 Test Mode = LTE/TM2

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



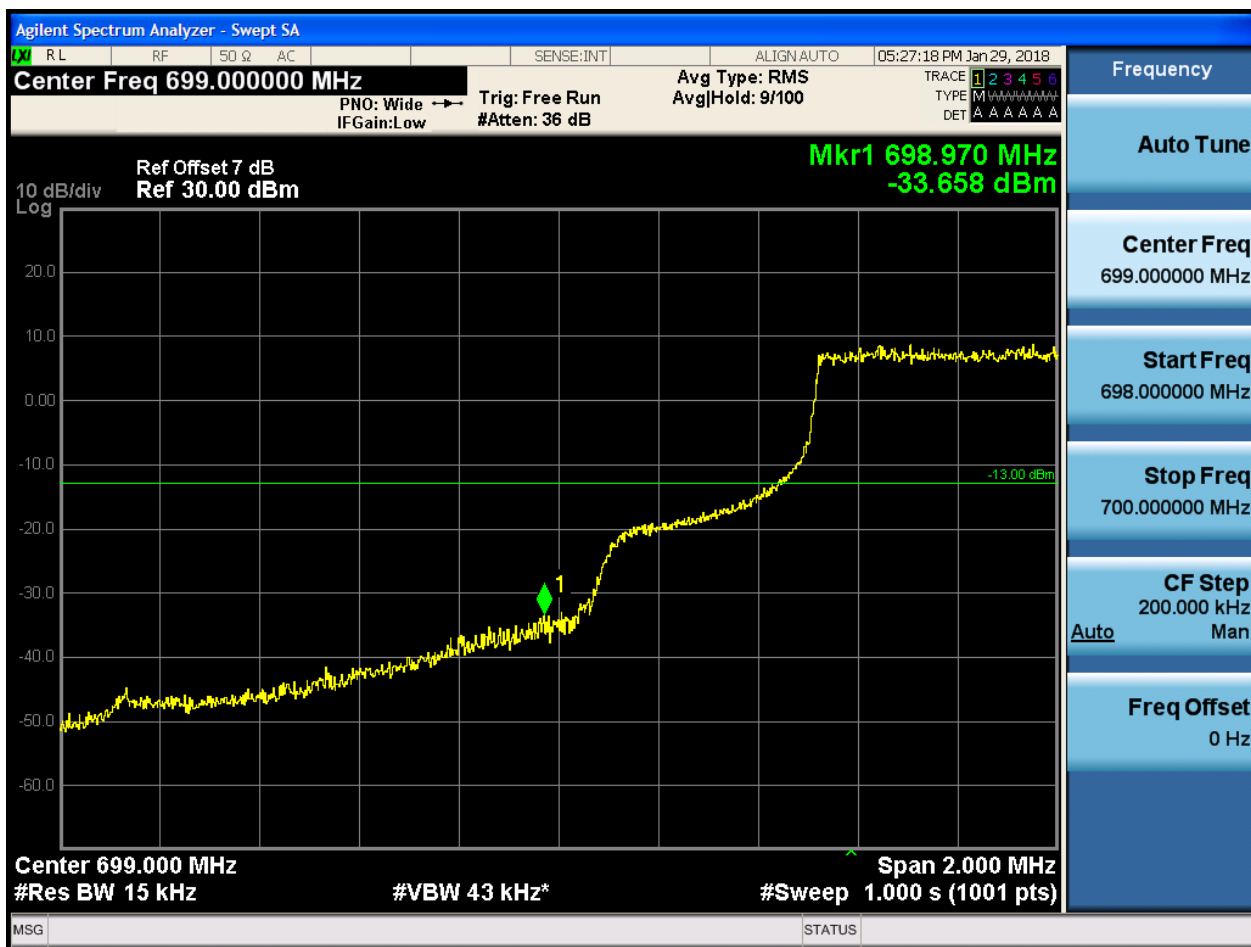


5.1.1.2.1.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

[X] RL	RF	50 Ω AC	SENSE:INT	ALIGN AUTO	05:27:34 PM Jan 29, 2018
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Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 9/100
IFGain:Low #Atten: 36 dB TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Mkr1 698.620 MHz
-35.783 dBm

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

-13.00 dBm

Center 699.000 MHz Span 2.000 MHz
#Res BW 15 kHz #VBW 43 kHz* #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	Man
Freq Offset	0 Hz

MSG STATUS

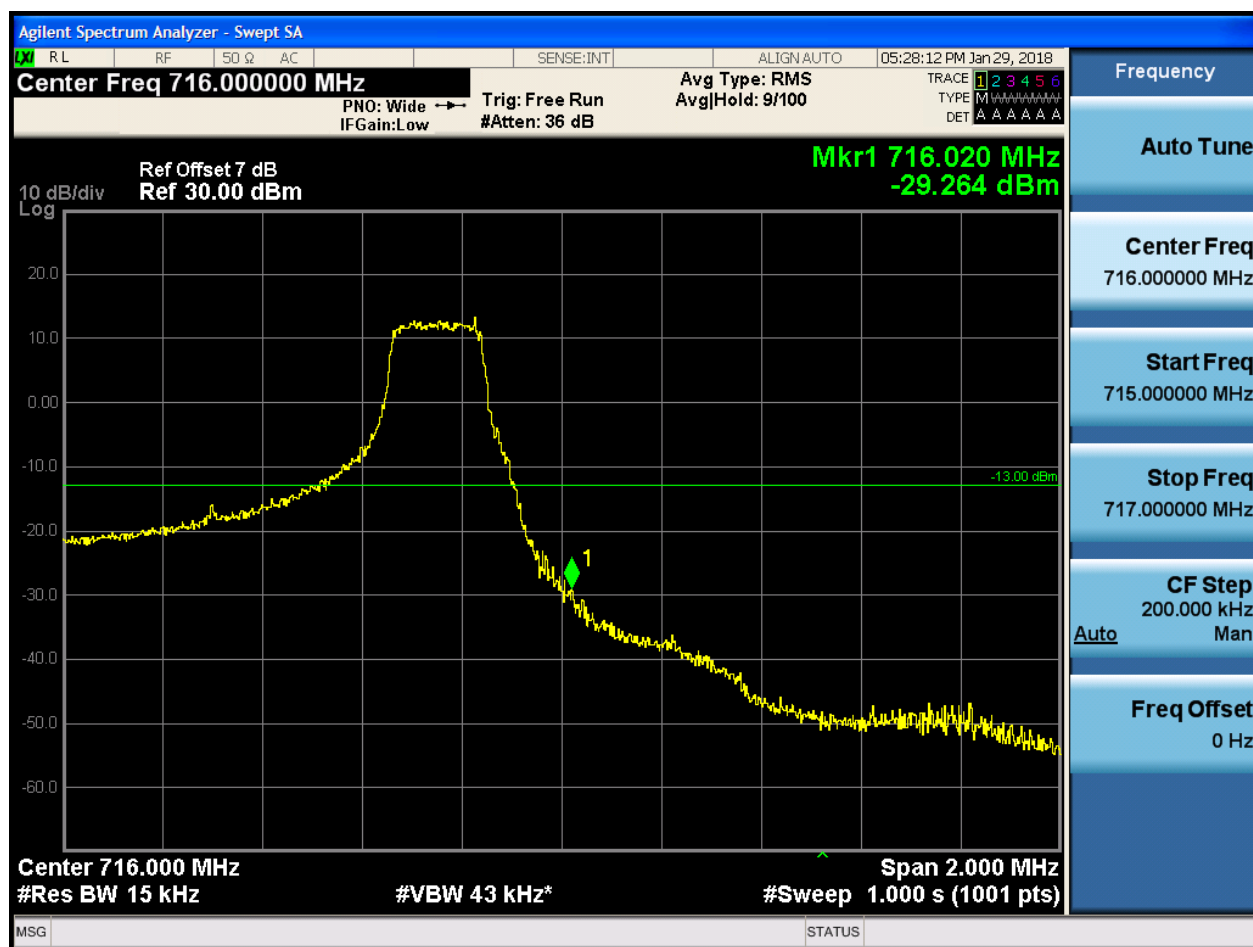


5.1.1.2.1.2 Test Channel = HCH

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

Center Freq 716.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.010 MHz
-32.261 dBm

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

Center 716.000 MHz

#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz

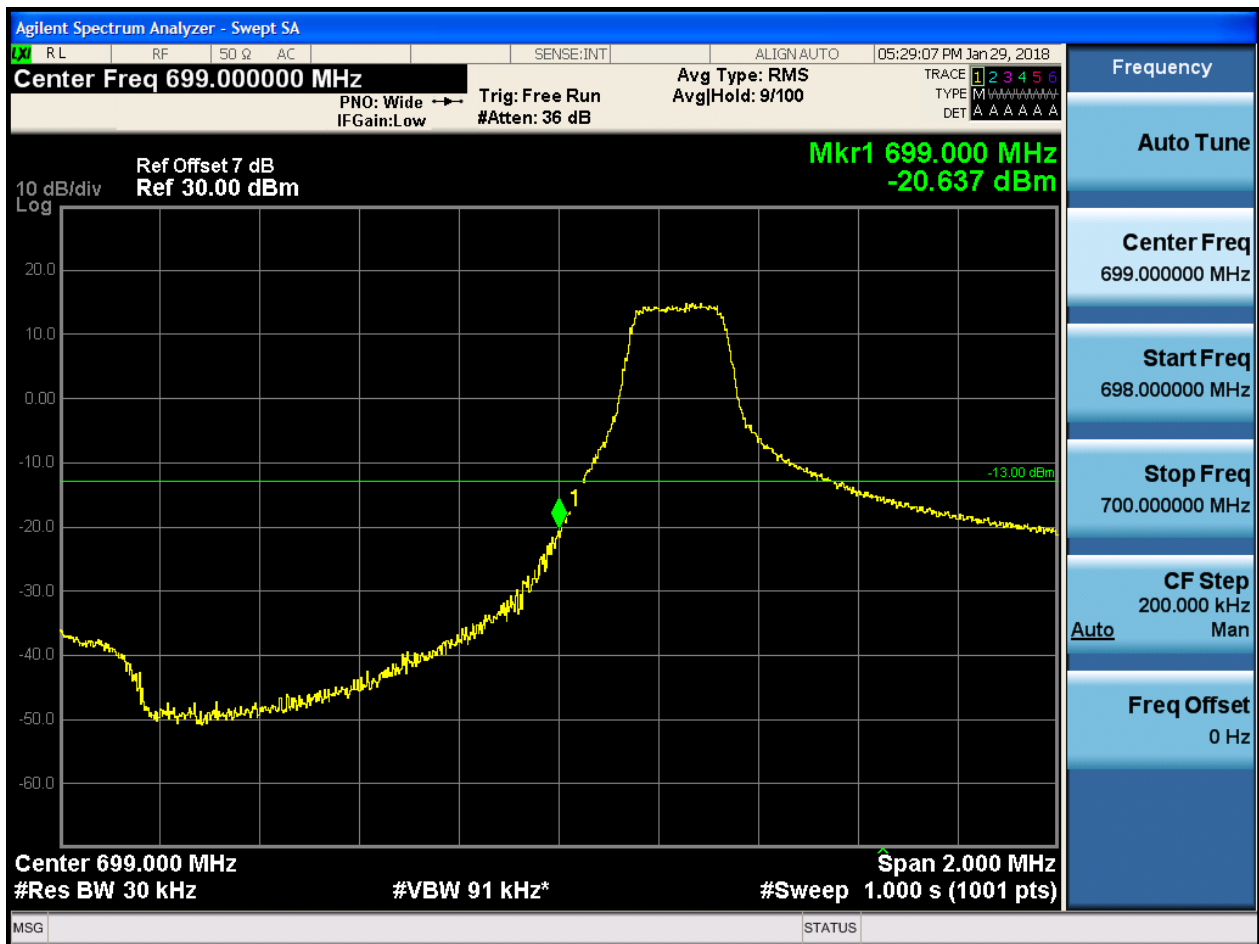
#Sweep 1.000 s (1001 pts)



5.1.1.2.2 Test Bandwidth = 3

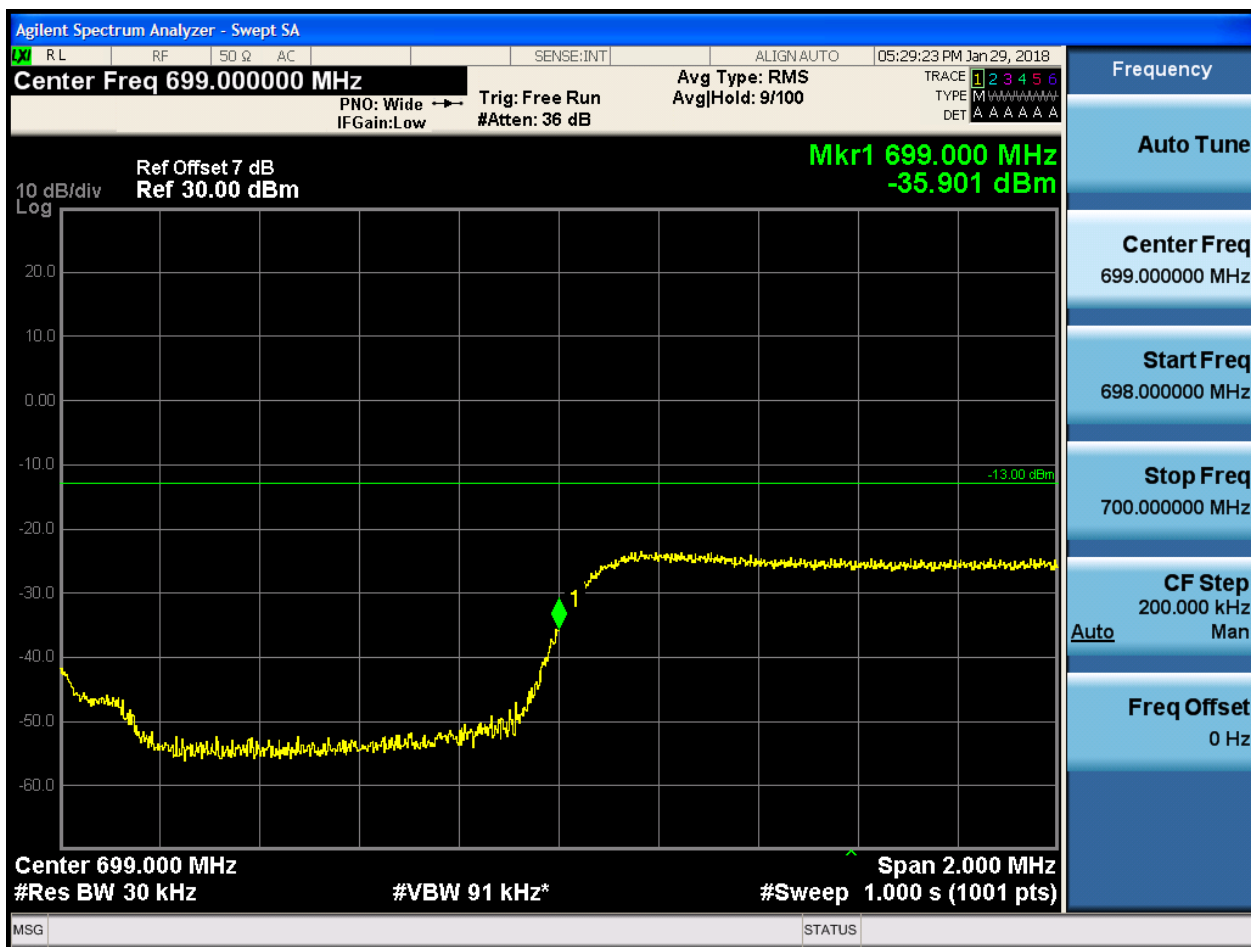
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



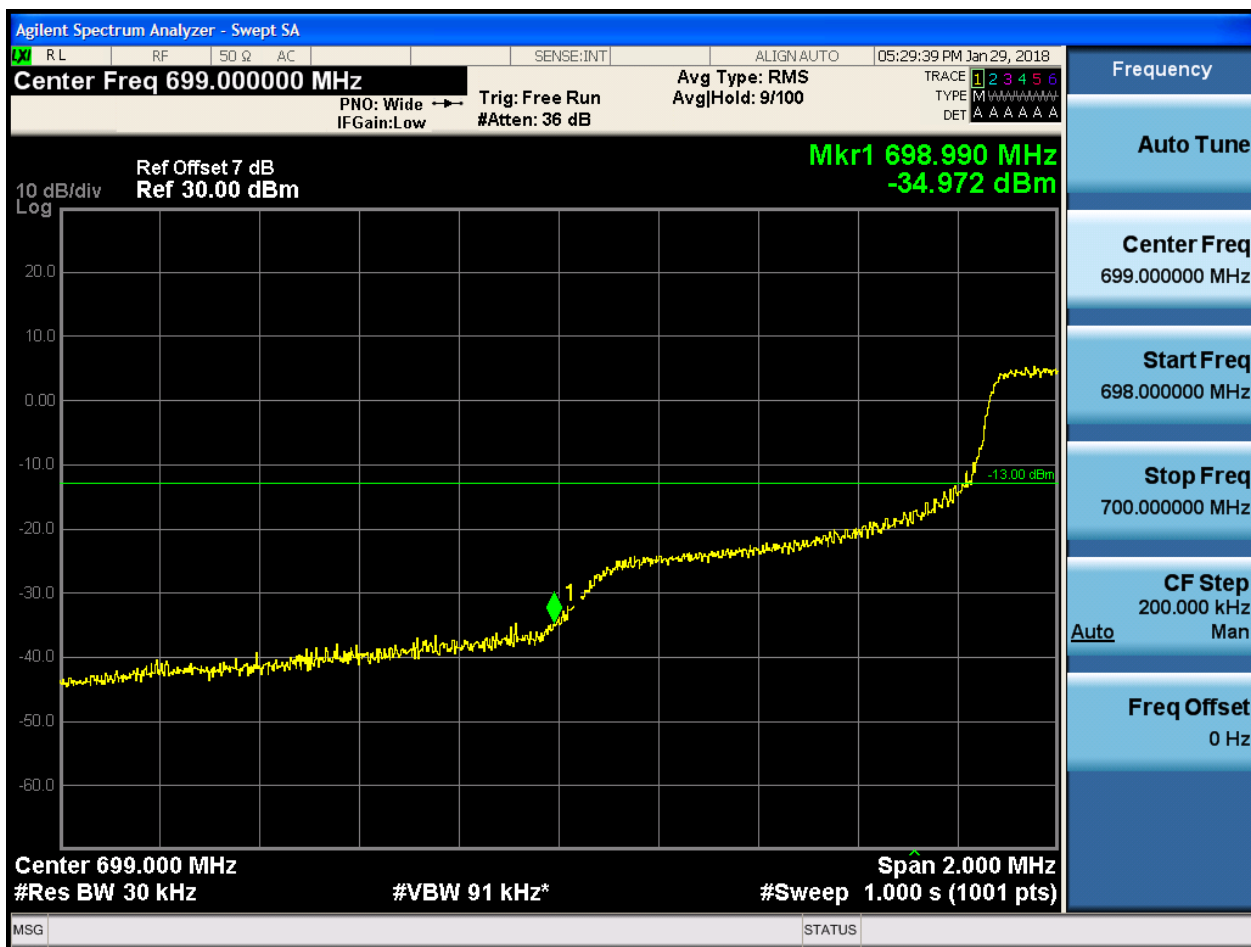


5.1.1.2.2.1.2 Test RB = RB1#14





5.1.1.2.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:29:55 PM Jan 29, 2018

Center Freq 699.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-30.447 dBm

10 dB/div
Log

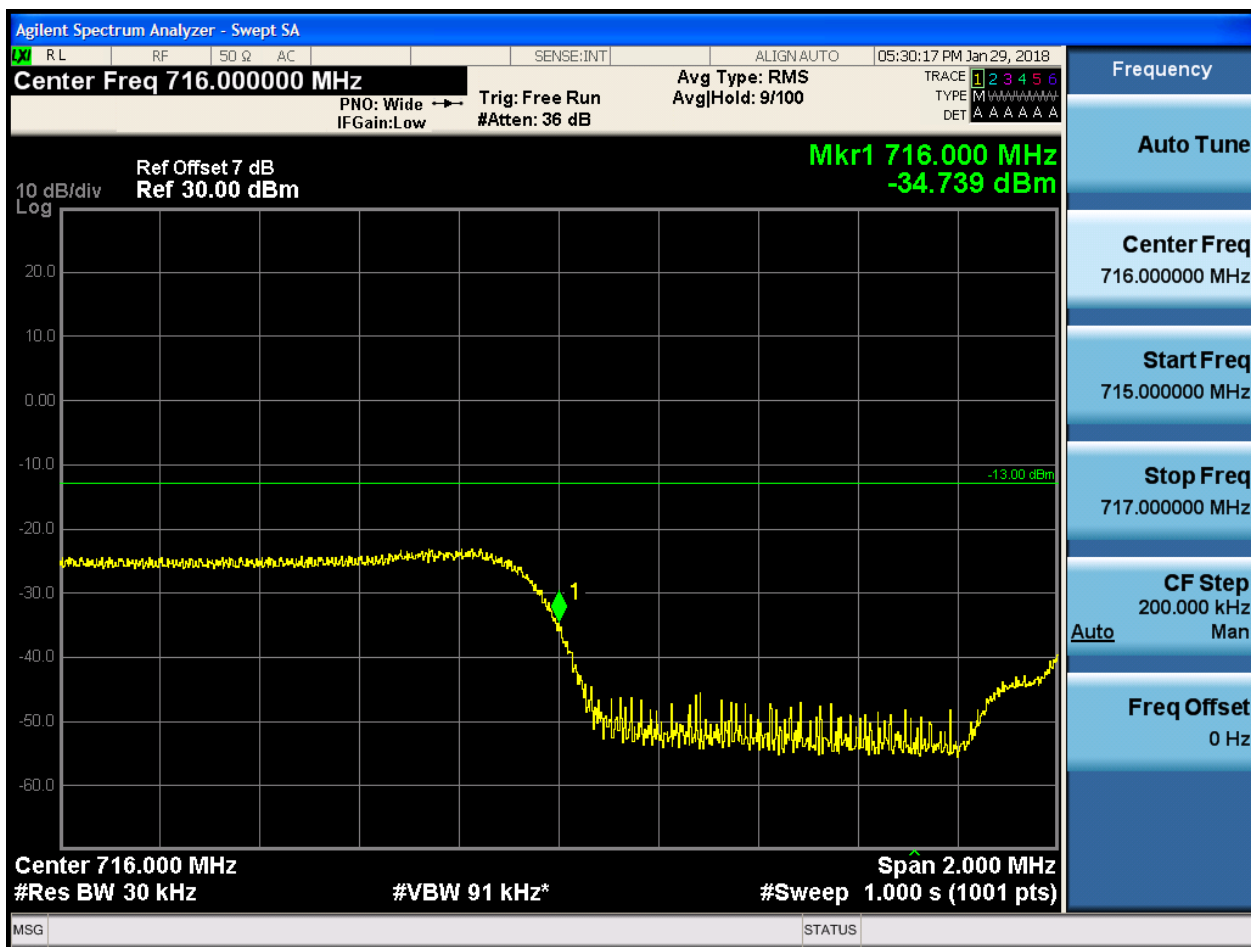
Center 699.000 MHz
#Res BW 30 kHz #VBW 91 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



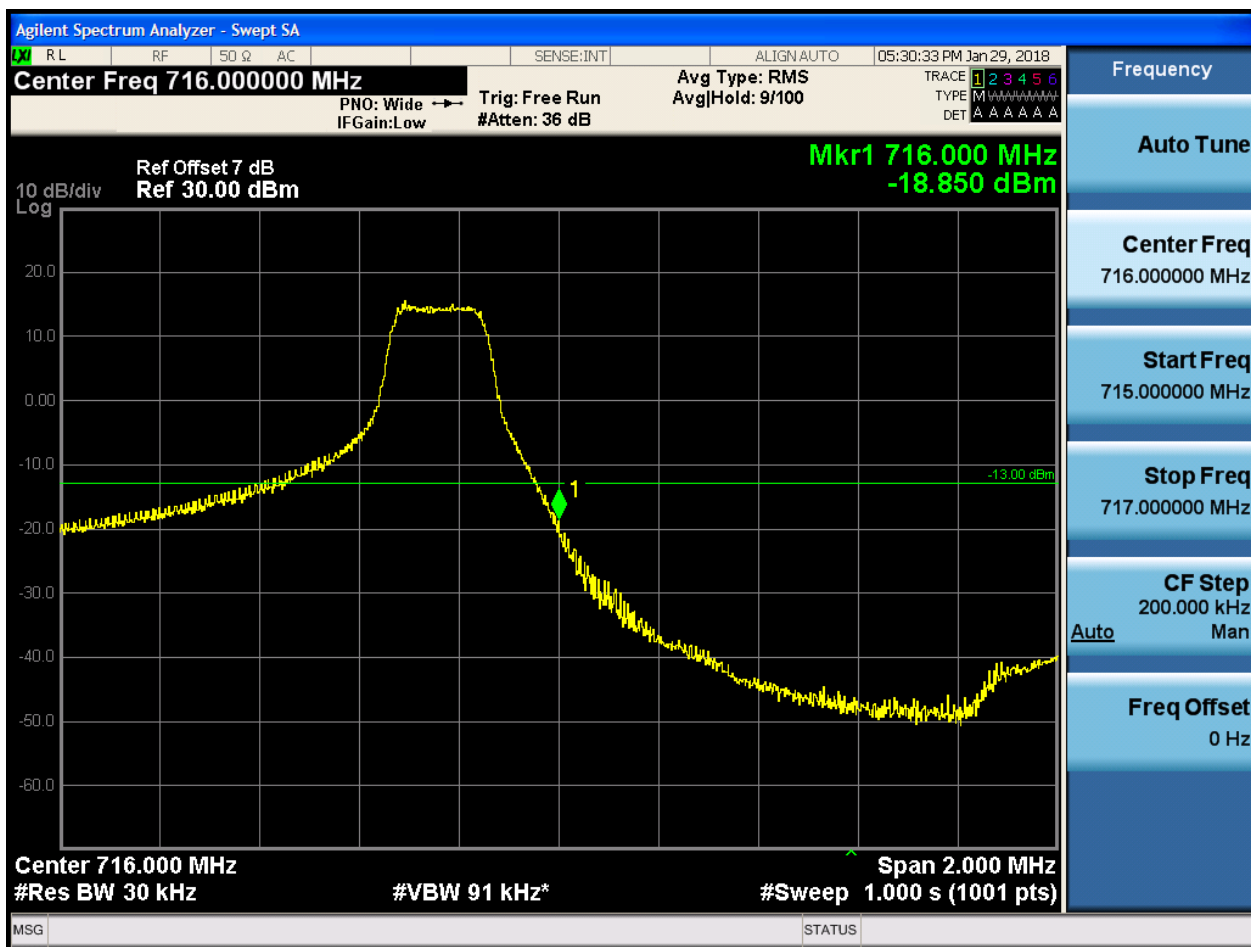
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 05:30:48 PM Jan 29, 2018

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run AvgHold: 9/100
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 dB
Ref 30.00 dBm

Mkr1 716.000 MHz
-33.170 dBm

10 dB/div
Log

20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

Center 716.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 91 kHz*

MSG Alignment Completed 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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:31:04 PM Jan 29, 2018

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#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 7 dB
Ref 30.00 dBm

Mkr1 716.000 MHz
-31.475 dBm

10 dB/div
Log

-13.00 dBm

Center 716.000 MHz
#Res BW 30 kHz

#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

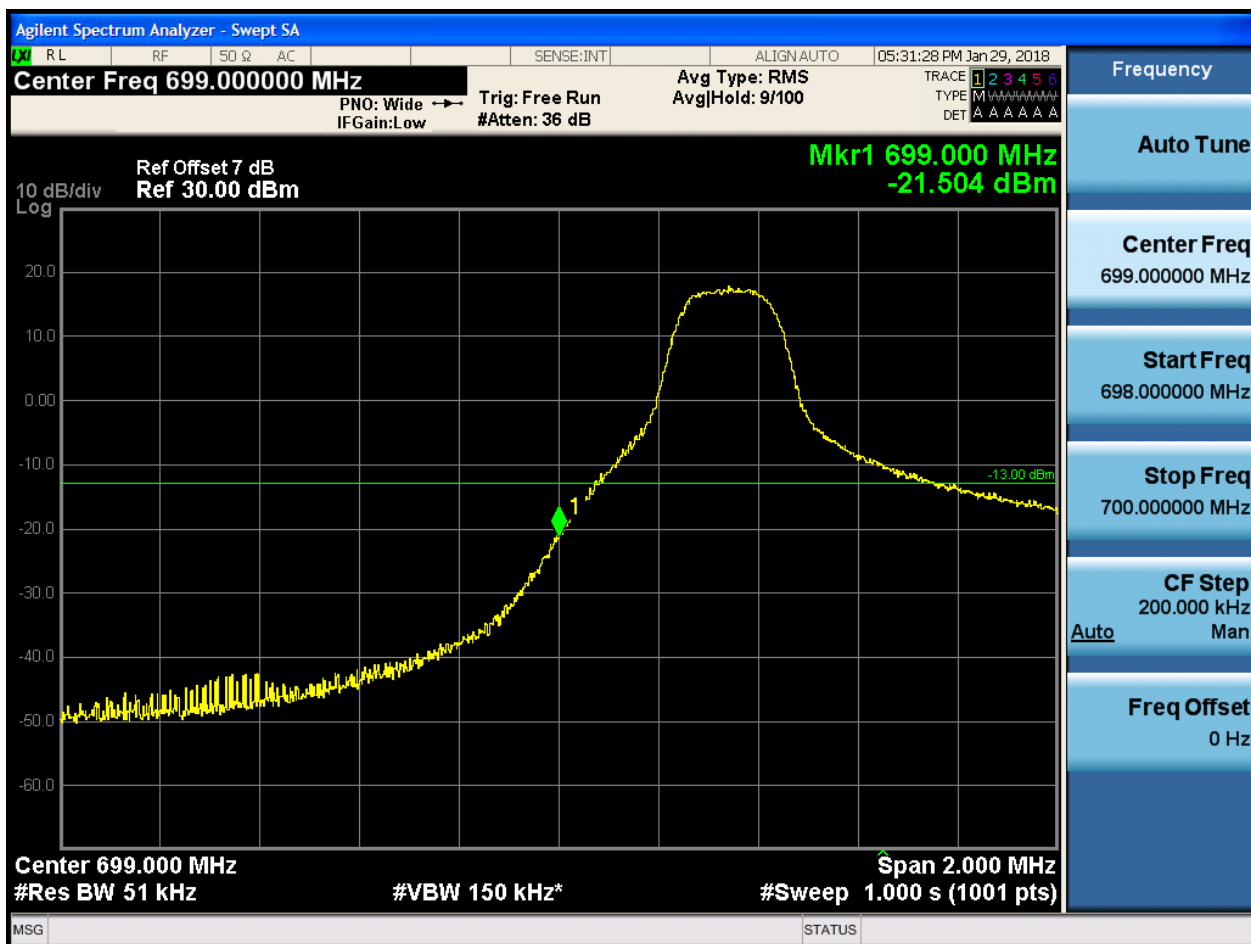
Frequency
Auto Tune
Center Freq 716.000000 MHz
Start Freq 715.000000 MHz
Stop Freq 717.000000 MHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



5.1.1.2.3 Test Bandwidth = 5

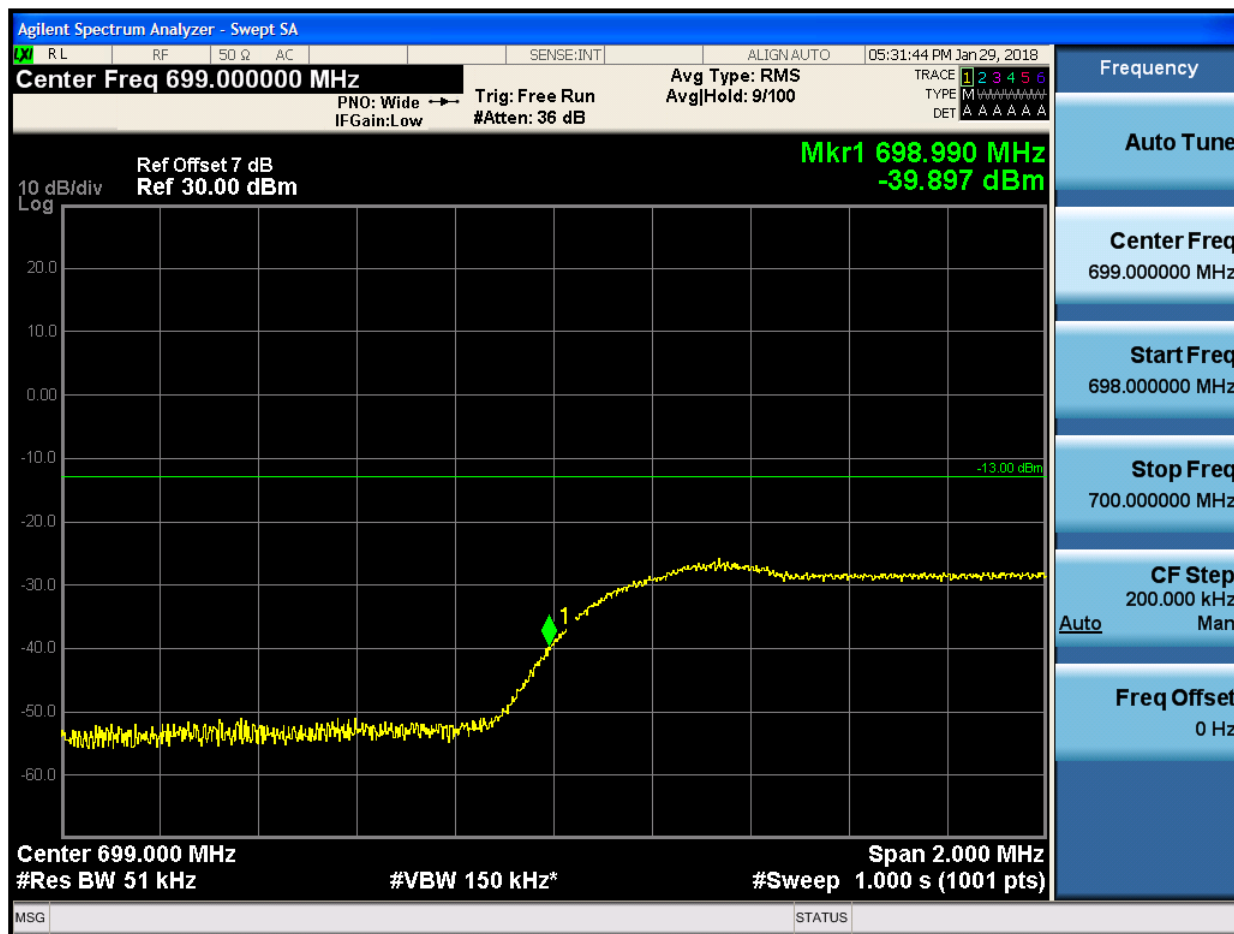
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

MX	RL	RF	50 Ω	AC		SENSE:INT		ALIGN:AUTO	05:32:00 PM Jan 29, 2018
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Center Freq 699.000000 MHz Avg Type: RMS TRACE 1 2 3 4 5 6
PNO: Wide → Trig: Free Run Avg/Hold: 9/100 TYPE M W W W W W W W
IFGain:Low #Atten: 36 dB DET A A A A A A

Ref Offset 7 dB **Mkr1 699.000 MHz**
Ref 30.00 dBm **-34.816 dBm**

10 dB/div Log

Center 699.000 MHz Span 2.000 MHz
#Res BW 51 kHz #VBW 150 kHz* #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	Man
Freq Offset	0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 699.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Center 699.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

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

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

Center 699.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
699.000000 MHz

Start Freq
698.000000 MHz

Stop Freq
700.000000 MHz

CF Step
200.000 kHz
Man

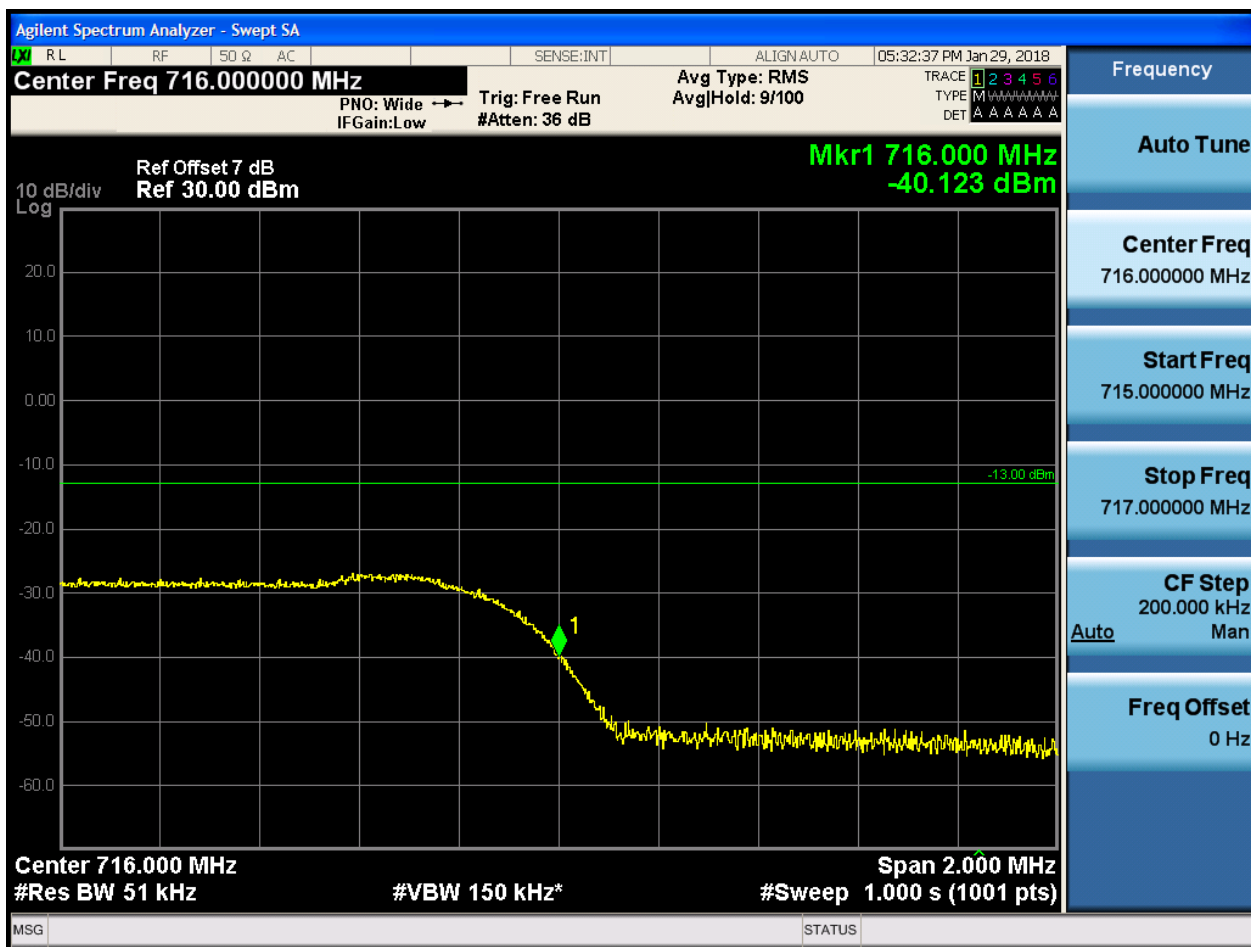
Freq Offset
0 Hz

MSG STATUS



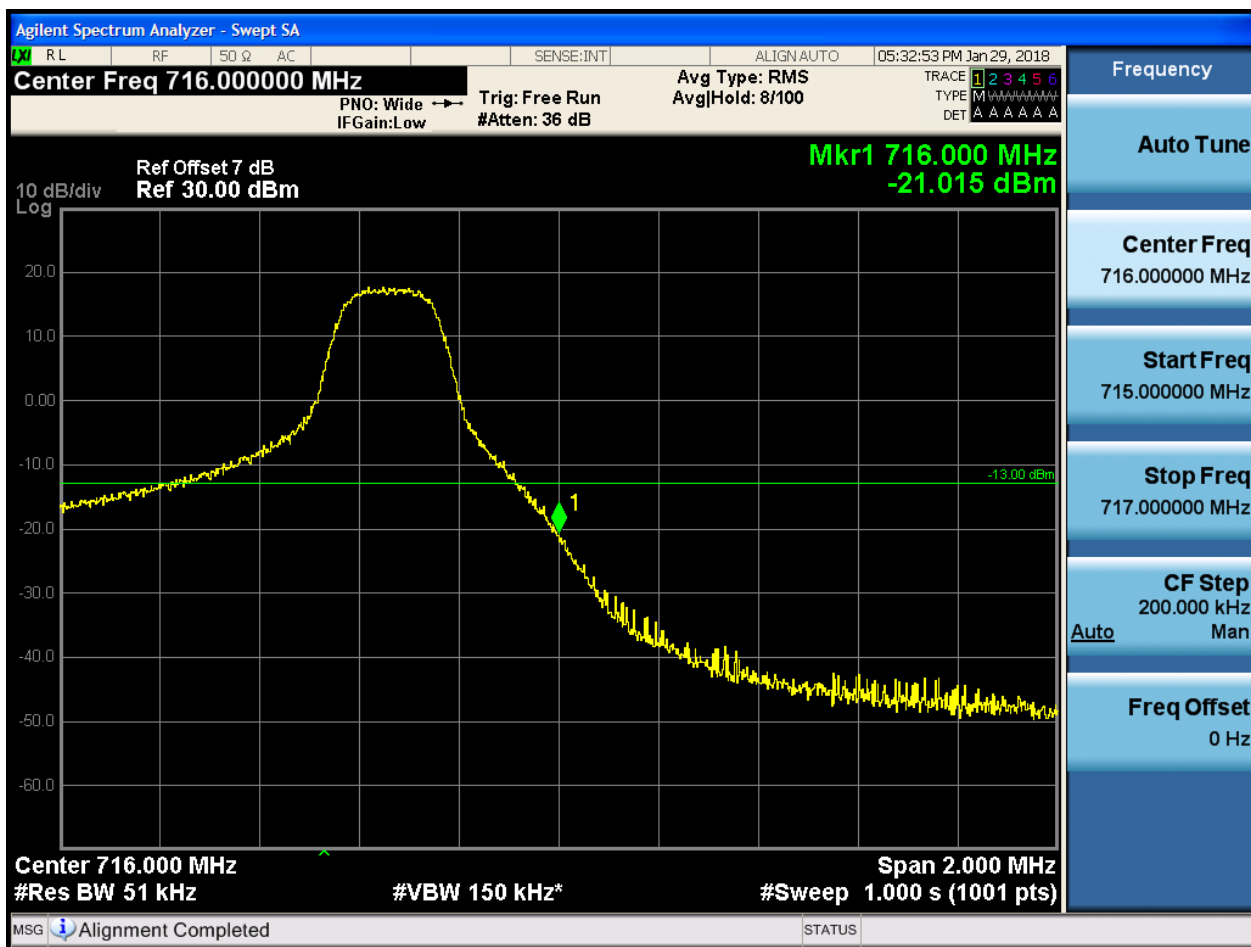
5.1.1.2.3.2 Test Channel = HCH

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 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg|Hold: 9/100

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

Mkr1 716.000 MHz
-34.197 dBm

Center 716.000 MHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
716.000000 MHz

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

Span 2.000 MHz
Sweep 1.000 s (1001 pts)



5.1.1.2.3.2.4 Test RB = RB25#0

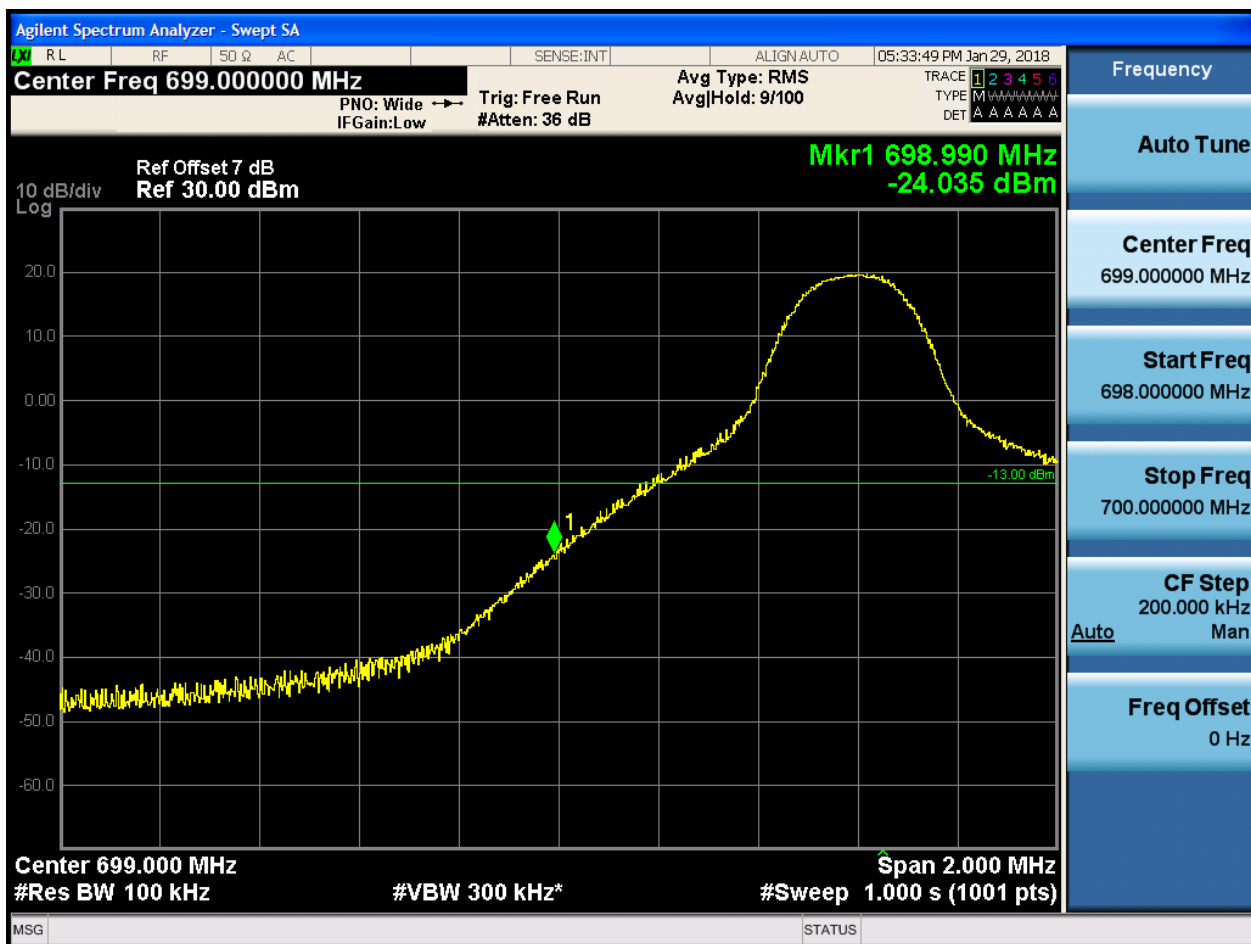




5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:34:05 PM Jan 29, 2018

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 dB
Ref 30.00 dBm

Mkr1 699.000 MHz
-42.004 dBm

10 dB/div
Log

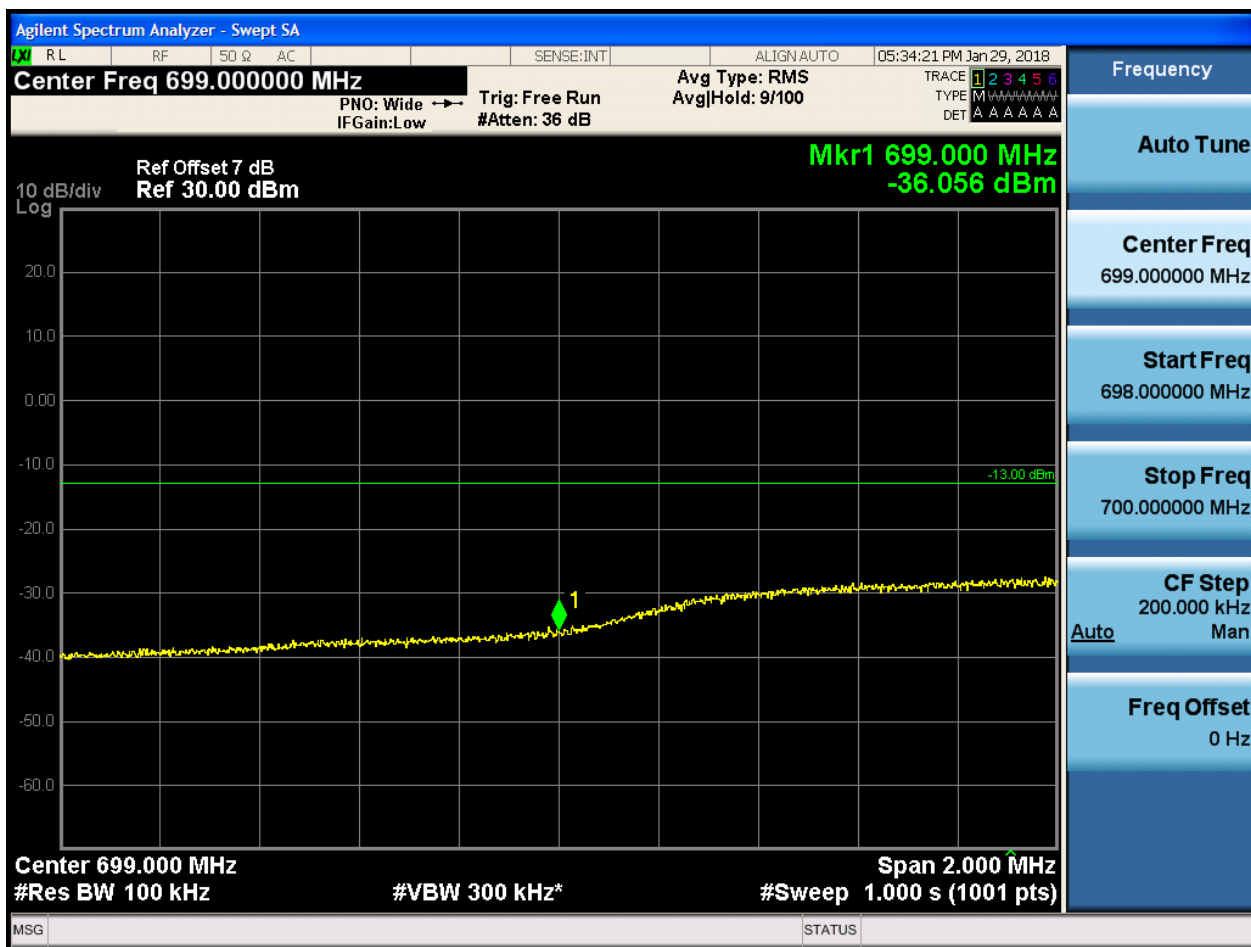
Center 699.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

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

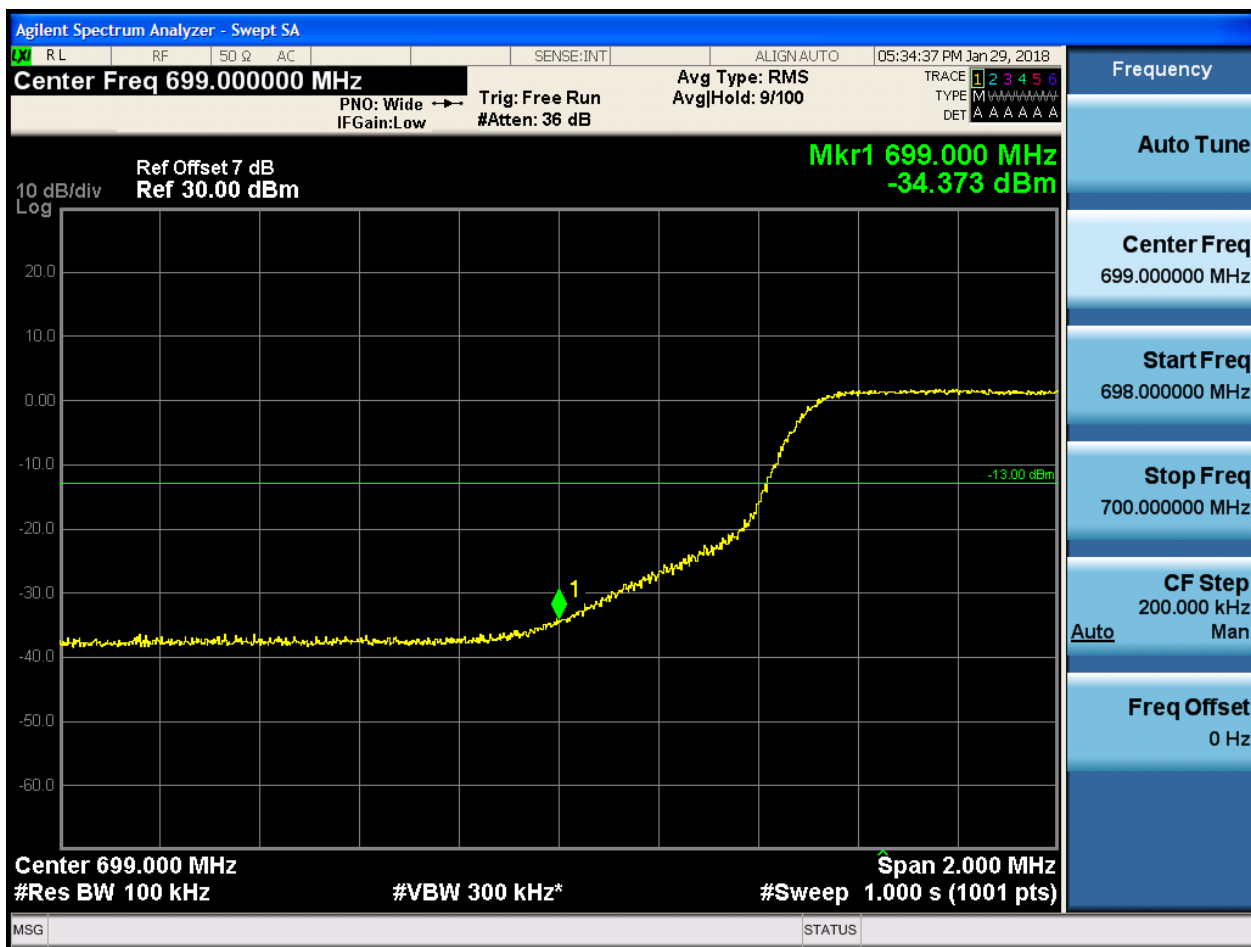


5.1.1.2.4.1.3 Test RB = RB25#13





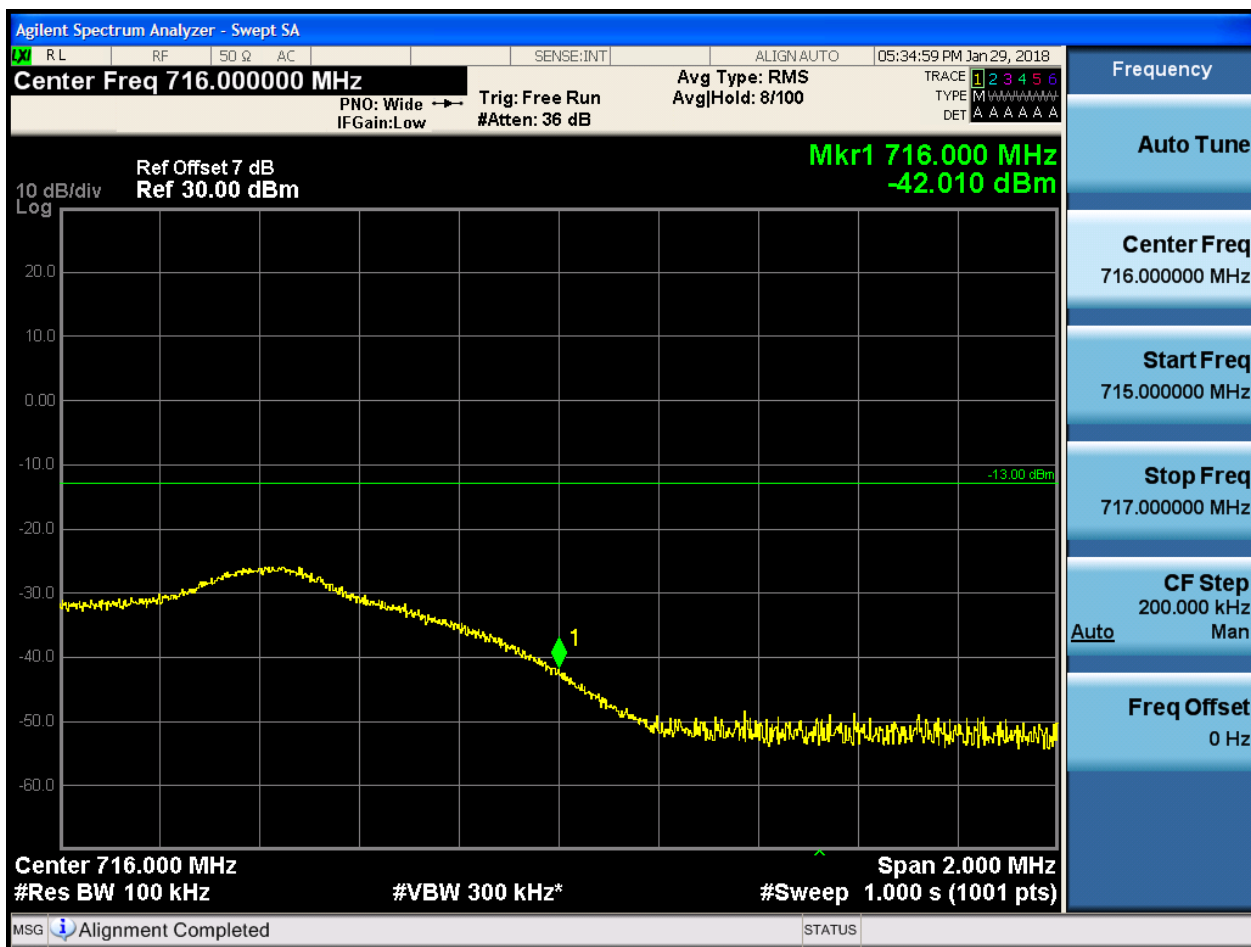
5.1.1.2.4.1.4 Test RB = RB50#0





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

