



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]	EIRP[dBm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	22.5	22.46	30	PASS
				RB1#3	22.51	22.40	30	PASS
				RB1#5	22.48	22.13	30	PASS
				RB3#0	22.36	22.07	30	PASS
				RB3#2	22.39	22.12	30	PASS
				RB3#3	22.37	22.12	30	PASS
				RB6#0	21.52	21.16	30	PASS
			MCH	RB1#0	22.38	21.96	30	PASS
				RB1#3	22.38	22.10	30	PASS
				RB1#5	22.36	22.29	30	PASS
				RB3#0	22.34	22.24	30	PASS
				RB3#2	22.35	22.10	30	PASS
				RB3#3	22.33	22.15	30	PASS
				RB6#0	21.34	21.21	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.24	21.87	30	PASS
				RB1#3	22.24	21.97	30	PASS
				RB1#5	22.2	21.87	30	PASS
				RB3#0	22.14	21.83	30	PASS
				RB3#2	22.16	22.06	30	PASS
				RB3#3	22.14	21.93	30	PASS
				RB6#0	21.18	20.87	30	PASS
		3	LCH	RB1#0	22.38	22.26	30	PASS
				RB1#7	22.42	22.39	30	PASS
				RB1#14	22.37	22.21	30	PASS
				RB8#0	21.49	21.14	30	PASS
				RB8#4	21.5	21.22	30	PASS
				RB8#7	21.47	21.04	30	PASS
				RB15#0	21.4	21.25	30	PASS
			MCH	RB1#0	22.29	21.97	30	PASS
				RB1#7	22.33	21.98	30	PASS
				RB1#14	22.28	22.19	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB8#0	21.41	21.28	30	PASS
				RB8#4	21.44	21.39	30	PASS
				RB8#7	21.37	21.07	30	PASS
				RB15#0	21.35	21.01	30	PASS
			HCH	RB1#0	22.19	22.16	30	PASS
				RB1#7	22.22	21.80	30	PASS
				RB1#14	22.11	22.05	30	PASS
				RB8#0	21.29	20.92	30	PASS
				RB8#4	21.28	21.18	30	PASS
				RB8#7	21.23	21.12	30	PASS
				RB15#0	21.21	20.95	30	PASS
		5	LCH	RB1#0	22.56	22.38	30	PASS
				RB1#13	22.55	22.16	30	PASS
				RB1#24	22.47	22.38	30	PASS
				RB12#0	21.44	21.04	30	PASS
				RB12#6	21.43	21.34	30	PASS
				RB12#13	21.41	21.09	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#0	21.38	21.30	30	PASS
			MCH	RB1#0	22.5	22.27	30	PASS
				RB1#13	22.46	22.24	30	PASS
				RB1#24	22.37	21.99	30	PASS
				RB12#0	21.42	21.33	30	PASS
				RB12#6	21.39	21.21	30	PASS
				RB12#13	21.35	20.95	30	PASS
				RB25#0	21.33	21.21	30	PASS
			HCH	RB1#0	22.45	22.16	30	PASS
				RB1#13	22.37	22.13	30	PASS
				RB1#24	22.23	21.80	30	PASS
				RB12#0	21.29	21.21	30	PASS
				RB12#6	21.26	21.12	30	PASS
				RB12#13	21.2	21.14	30	PASS
				RB25#0	21.22	20.96	30	PASS
		10	LCH	RB1#0	22.51	22.16	30	PASS
				RB1#25	22.47	22.12	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#49	22.38	22.14	30	PASS
				RB25#0	21.41	21.15	30	PASS
				RB25#13	21.4	21.04	30	PASS
				RB25#25	21.37	21.11	30	PASS
				RB50#0	21.38	21.16	30	PASS
			MCH	RB1#0	22.41	22.33	30	PASS
				RB1#25	22.39	22.31	30	PASS
				RB1#49	22.4	22.08	30	PASS
				RB25#0	21.36	20.99	30	PASS
				RB25#13	21.35	21.30	30	PASS
				RB25#25	21.32	21.23	30	PASS
				RB50#0	21.36	21.16	30	PASS
			HCH	RB1#0	22.5	22.08	30	PASS
				RB1#25	22.38	22.00	30	PASS
				RB1#49	22.19	22.05	30	PASS
				RB25#0	21.34	20.95	30	PASS
				RB25#13	21.31	21.23	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#25	21.22	20.90	30	PASS
				RB50#0	21.29	21.24	30	PASS
		15	LCH	RB1#0	22.54	22.22	30	PASS
				RB1#38	22.42	22.38	30	PASS
				RB1#74	22.41	22.28	30	PASS
				RB38#0	21.57	21.50	30	PASS
				RB38#19	21.48	21.05	30	PASS
				RB38#39	21.51	21.20	30	PASS
				RB75#0	21.53	21.29	30	PASS
			MCH	RB1#0	22.42	22.15	30	PASS
				RB1#38	22.38	22.32	30	PASS
				RB1#74	22.48	22.06	30	PASS
				RB38#0	21.46	21.05	30	PASS
				RB38#19	21.44	21.10	30	PASS
				RB38#39	21.44	21.15	30	PASS
				RB75#0	21.47	21.28	30	PASS
			HCH	RB1#0	22.55	22.51	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#38	22.46	22.27	30	PASS
				RB1#74	22.21	22.13	30	PASS
				RB38#0	21.6	21.26	30	PASS
				RB38#19	21.52	21.17	30	PASS
				RB38#39	21.4	21.06	30	PASS
				RB75#0	21.51	21.39	30	PASS
		20	LCH	RB1#0	22.57	22.32	30	PASS
				RB1#50	22.44	22.24	30	PASS
				RB1#99	22.5	22.29	30	PASS
				RB50#0	21.43	21.23	30	PASS
				RB50#25	21.39	21.13	30	PASS
				RB50#50	21.43	21.12	30	PASS
				RB100#0	21.43	21.03	30	PASS
			MCH	RB1#0	22.48	22.29	30	PASS
				RB1#50	22.42	22.27	30	PASS
				RB1#99	22.6	22.51	30	PASS
				RB50#0	21.41	21.34	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB50#25	21.37	21.29	30	PASS
				RB50#50	21.41	21.17	30	PASS
				RB100#0	21.41	21.05	30	PASS
			HCH	RB1#0	22.44	22.39	30	PASS
				RB1#50	22.55	22.19	30	PASS
				RB1#99	22.29	22.07	30	PASS
				RB50#0	21.48	21.23	30	PASS
				RB50#25	21.44	21.09	30	PASS
				RB50#50	21.35	21.20	30	PASS
				RB100#0	21.39	21.30	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.49	21.13	30	PASS
				RB1#3	21.57	21.36	30	PASS
				RB1#5	21.5	21.38	30	PASS
				RB3#0	21.44	21.37	30	PASS
				RB3#2	21.44	21.33	30	PASS
				RB3#3	21.45	21.35	30	PASS
				RB6#0	20.46	20.08	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.49	21.39	30	PASS
				RB1#3	21.58	21.53	30	PASS
				RB1#5	21.5	21.20	30	PASS
				RB3#0	21.46	21.30	30	PASS
				RB3#2	21.46	21.07	30	PASS
				RB3#3	21.45	21.32	30	PASS
				RB6#0	20.39	20.05	30	PASS
			HCH	RB1#0	21.28	20.96	30	PASS
				RB1#3	21.36	21.25	30	PASS
				RB1#5	21.26	21.15	30	PASS
				RB3#0	21.24	21.04	30	PASS
				RB3#2	21.23	21.00	30	PASS
				RB3#3	21.22	21.12	30	PASS
				RB6#0	20.18	19.91	30	PASS
		3	LCH	RB1#0	21.59	21.22	30	PASS
				RB1#7	21.63	21.43	30	PASS
				RB1#14	21.55	21.18	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB8#0	20.49	20.30	30	PASS
				RB8#4	20.48	20.31	30	PASS
				RB8#7	20.47	20.21	30	PASS
				RB15#0	20.38	20.01	30	PASS
			MCH	RB1#0	21.6	21.24	30	PASS
				RB1#7	21.63	21.38	30	PASS
				RB1#14	21.56	21.23	30	PASS
				RB8#0	20.46	20.27	30	PASS
				RB8#4	20.48	20.08	30	PASS
				RB8#7	20.44	20.18	30	PASS
				RB15#0	20.37	20.04	30	PASS
			HCH	RB1#0	21.44	21.39	30	PASS
				RB1#7	21.43	21.37	30	PASS
				RB1#14	21.34	21.31	30	PASS
				RB8#0	20.29	20.01	30	PASS
				RB8#4	20.3	20.17	30	PASS
				RB8#7	20.26	19.87	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
		5		RB15#0	20.18	20.01	30	PASS
				RB1#0	21.53	21.14	30	PASS
			LCH	RB1#13	21.53	21.44	30	PASS
				RB1#24	21.47	21.29	30	PASS
				RB12#0	20.38	20.10	30	PASS
				RB12#6	20.37	20.24	30	PASS
				RB12#13	20.38	20.23	30	PASS
				RB25#0	20.27	19.88	30	PASS
			MCH	RB1#0	21.55	21.43	30	PASS
				RB1#13	21.51	21.26	30	PASS
				RB1#24	21.45	21.20	30	PASS
				RB12#0	20.4	20.19	30	PASS
				RB12#6	20.38	20.21	30	PASS
				RB12#13	20.33	19.91	30	PASS
				RB25#0	20.27	19.92	30	PASS
			HCH	RB1#0	21.41	21.19	30	PASS
				RB1#13	21.38	21.04	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#24	21.26	20.99	30	PASS
				RB12#0	20.27	20.18	30	PASS
				RB12#6	20.22	20.14	30	PASS
				RB12#13	20.18	19.82	30	PASS
				RB25#0	20.14	19.93	30	PASS
		10	LCH	RB1#0	21.72	21.62	30	PASS
				RB1#25	21.7	21.65	30	PASS
				RB1#49	21.64	21.46	30	PASS
				RB25#0	20.33	20.05	30	PASS
				RB25#13	20.33	20.14	30	PASS
				RB25#25	20.31	20.23	30	PASS
				RB50#0	20.34	20.09	30	PASS
			MCH	RB1#0	21.69	21.29	30	PASS
				RB1#25	21.67	21.25	30	PASS
				RB1#49	21.64	21.33	30	PASS
				RB25#0	20.31	20.07	30	PASS
				RB25#13	20.3	20.27	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#25	20.28	19.90	30	PASS
				RB50#0	20.32	20.03	30	PASS
			HCH	RB1#0	21.7	21.55	30	PASS
				RB1#25	21.6	21.46	30	PASS
				RB1#49	21.41	21.34	30	PASS
				RB25#0	20.28	20.09	30	PASS
				RB25#13	20.23	19.88	30	PASS
				RB25#25	20.18	19.87	30	PASS
				RB50#0	20.25	19.86	30	PASS
		15	LCH	RB1#0	21.73	21.62	30	PASS
				RB1#38	21.65	21.57	30	PASS
				RB1#74	21.7	21.66	30	PASS
				RB38#0	20.48	20.33	30	PASS
				RB38#19	20.43	20.29	30	PASS
				RB38#39	20.45	20.33	30	PASS
				RB75#0	20.45	20.23	30	PASS
			MCH	RB1#0	21.7	21.40	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#38	21.67	21.29	30	PASS
				RB1#74	21.74	21.59	30	PASS
				RB38#0	20.43	20.37	30	PASS
				RB38#19	20.4	19.99	30	PASS
				RB38#39	20.4	20.08	30	PASS
				RB75#0	20.4	20.30	30	PASS
			HCH	RB1#0	21.77	21.72	30	PASS
				RB1#38	21.67	21.39	30	PASS
				RB1#74	21.44	21.06	30	PASS
				RB38#0	20.51	20.30	30	PASS
				RB38#19	20.45	20.03	30	PASS
				RB38#39	20.32	20.14	30	PASS
				RB75#0	20.42	20.21	30	PASS
		20	LCH	RB1#0	21.97	21.70	30	PASS
				RB1#50	21.89	21.63	30	PASS
				RB1#99	21.97	21.72	30	PASS
				RB50#0	20.38	20.01	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB50#25	20.34	20.06	30	PASS
				RB50#50	20.39	20.08	30	PASS
				RB100#0	20.38	20.11	30	PASS
			MCH	RB1#0	21.95	21.84	30	PASS
				RB1#50	21.9	21.85	30	PASS
				RB1#99	21.78	21.57	30	PASS
				RB50#0	20.39	20.04	30	PASS
				RB50#25	20.35	20.06	30	PASS
				RB50#50	20.38	20.13	30	PASS
				RB100#0	20.4	20.19	30	PASS
			HCH	RB1#0	21.89	21.49	30	PASS
				RB1#50	21.96	21.82	30	PASS
				RB1#99	21.75	21.71	30	PASS
				RB50#0	20.44	20.33	30	PASS
				RB50#25	20.39	20.34	30	PASS
				RB50#50	20.29	19.89	30	PASS
				RB100#0	20.37	20.32	30	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
BAND4	LTE/TM1	1.4	LCH	RB1#0	3.23	13	PASS
				RB1#3	3.38	13	PASS
				RB1#5	3.42	13	PASS
				RB3#0	3.99	13	PASS
				RB3#2	3.89	13	PASS
				RB3#3	4.11	13	PASS
				RB6#0	5.69	13	PASS
			MCH	RB1#0	4.08	13	PASS
				RB1#3	4.09	13	PASS
				RB1#5	4.03	13	PASS
				RB3#0	4.96	13	PASS
				RB3#2	4.83	13	PASS
				RB3#3	4.91	13	PASS
				RB6#0	6.46	13	PASS
			HCH	RB1#0	3.85	13	PASS
				RB1#3	4.04	13	PASS
				RB1#5	4.02	13	PASS
				RB3#0	4.9	13	PASS
				RB3#2	4.81	13	PASS
				RB3#3	4.86	13	PASS
				RB6#0	6.25	13	PASS
		3	LCH	RB1#0	3.13	13	PASS
				RB1#7	3.67	13	PASS
				RB1#14	3.91	13	PASS
				RB8#0	5.01	13	PASS
				RB8#4	5.01	13	PASS
				RB8#7	5.26	13	PASS
				RB15#0	5.41	13	PASS
			MCH	RB1#0	4.37	13	PASS
				RB1#7	4.12	13	PASS
				RB1#14	4.25	13	PASS
				RB8#0	5.77	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	5.77	13	PASS
				RB8#7	5.84	13	PASS
				RB15#0	6.12	13	PASS
			HCH	RB1#0	4.23	13	PASS
				RB1#7	4.21	13	PASS
				RB1#14	4.15	13	PASS
				RB8#0	5.72	13	PASS
				RB8#4	5.61	13	PASS
				RB8#7	5.67	13	PASS
				RB15#0	5.48	13	PASS
		5	LCH	RB1#0	3.33	13	PASS
				RB1#13	3.78	13	PASS
				RB1#24	4.05	13	PASS
				RB12#0	4.95	13	PASS
				RB12#6	5	13	PASS
				RB12#13	5.31	13	PASS
				RB25#0	5.51	13	PASS
			MCH	RB1#0	4.11	13	PASS
				RB1#13	4.11	13	PASS
				RB1#24	4.14	13	PASS
				RB12#0	5.62	13	PASS
				RB12#6	5.5	13	PASS
				RB12#13	5.57	13	PASS
				RB25#0	5.76	13	PASS
			HCH	RB1#0	4.05	13	PASS
				RB1#13	4.11	13	PASS
				RB1#24	4.12	13	PASS
				RB12#0	5.53	13	PASS
				RB12#6	5.41	13	PASS
				RB12#13	5.5	13	PASS
				RB25#0	5.76	13	PASS
		10	LCH	RB1#0	3.43	13	PASS
				RB1#25	4.13	13	PASS
				RB1#49	4.2	13	PASS
				RB25#0	5.27	13	PASS
				RB25#13	5.49	13	PASS
				RB25#25	5.68	13	PASS
				RB50#0	5.88	13	PASS
			MCH	RB1#0	4.39	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.02	13	PASS
				RB1#49	4.1	13	PASS
				RB25#0	5.74	13	PASS
				RB25#13	5.64	13	PASS
				RB25#25	5.65	13	PASS
				RB50#0	6	13	PASS
			HCH	RB1#0	3.88	13	PASS
				RB1#25	4.16	13	PASS
				RB1#49	4.23	13	PASS
				RB25#0	5.54	13	PASS
				RB25#13	5.56	13	PASS
				RB25#25	5.67	13	PASS
				RB50#0	5.98	13	PASS
		15	LCH	RB1#0	3.45	13	PASS
				RB1#38	4.22	13	PASS
				RB1#74	4.4	13	PASS
				RB38#0	5.55	13	PASS
				RB38#19	5.77	13	PASS
				RB38#39	5.99	13	PASS
				RB75#0	6.52	13	PASS
			MCH	RB1#0	4.42	13	PASS
				RB1#38	4.22	13	PASS
				RB1#74	4.06	13	PASS
				RB38#0	5.92	13	PASS
				RB38#19	5.75	13	PASS
				RB38#39	5.7	13	PASS
				RB75#0	6.5	13	PASS
			HCH	RB1#0	3.86	13	PASS
				RB1#38	4.11	13	PASS
				RB1#74	4.2	13	PASS
				RB38#0	5.52	13	PASS
				RB38#19	5.55	13	PASS
				RB38#39	5.77	13	PASS
				RB75#0	6.38	13	PASS
		20	LCH	RB1#0	3.65	13	PASS
				RB1#50	4.6	13	PASS
				RB1#99	4.65	13	PASS
				RB50#0	5.87	13	PASS
				RB50#25	6.06	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	6.13	13	PASS
				RB100#0	6.16	13	PASS
			MCH	RB1#0	4.6	13	PASS
				RB1#50	4.33	13	PASS
				RB1#99	4.24	13	PASS
				RB50#0	6.09	13	PASS
				RB50#25	5.95	13	PASS
				RB50#50	5.8	13	PASS
				RB100#0	6.1	13	PASS
			HCH	RB1#0	4.36	13	PASS
				RB1#50	4.27	13	PASS
				RB1#99	4.45	13	PASS
				RB50#0	5.75	13	PASS
				RB50#25	5.69	13	PASS
				RB50#50	5.84	13	PASS
				RB100#0	6.04	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.39	13	PASS
				RB1#3	4.5	13	PASS
				RB1#5	4.57	13	PASS
				RB3#0	4.91	13	PASS
				RB3#2	4.88	13	PASS
				RB3#3	5.06	13	PASS
				RB6#0	5.67	13	PASS
			MCH	RB1#0	5.3	13	PASS
				RB1#3	5.3	13	PASS
				RB1#5	5.22	13	PASS
				RB3#0	5.88	13	PASS
				RB3#2	5.78	13	PASS
				RB3#3	5.91	13	PASS
				RB6#0	6.32	13	PASS
			HCH	RB1#0	5.19	13	PASS
				RB1#3	5.25	13	PASS
				RB1#5	5.19	13	PASS
				RB3#0	5.82	13	PASS
				RB3#2	5.74	13	PASS
				RB3#3	5.85	13	PASS
				RB6#0	6.25	13	PASS
		3	LCH	RB1#0	4.41	13	PASS
				RB1#7	4.68	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	5.04	13	PASS
				RB8#0	5.69	13	PASS
				RB8#4	5.74	13	PASS
				RB8#7	5.94	13	PASS
				RB15#0	6.3	13	PASS
			MCH	RB1#0	5.53	13	PASS
				RB1#7	5.42	13	PASS
				RB1#14	5.5	13	PASS
				RB8#0	6.51	13	PASS
				RB8#4	6.39	13	PASS
				RB8#7	6.4	13	PASS
				RB15#0	6.79	13	PASS
			HCH	RB1#0	5.41	13	PASS
				RB1#7	5.37	13	PASS
				RB1#14	5.41	13	PASS
				RB8#0	6.42	13	PASS
				RB8#4	6.4	13	PASS
				RB8#7	6.43	13	PASS
				RB15#0	6.83	13	PASS
		5	LCH	RB1#0	4.43	13	PASS
				RB1#13	4.73	13	PASS
				RB1#24	5.32	13	PASS
				RB12#0	5.78	13	PASS
				RB12#6	5.84	13	PASS
				RB12#13	6.09	13	PASS
				RB25#0	6.55	13	PASS
			MCH	RB1#0	5.54	13	PASS
				RB1#13	5.42	13	PASS
				RB1#24	5.38	13	PASS
				RB12#0	6.35	13	PASS
				RB12#6	6.25	13	PASS
				RB12#13	6.29	13	PASS
				RB25#0	6.74	13	PASS
			HCH	RB1#0	5.06	13	PASS
				RB1#13	5.24	13	PASS
				RB1#24	5.32	13	PASS
				RB12#0	6.29	13	PASS
				RB12#6	6.23	13	PASS
				RB12#13	6.33	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB25#0	6.77	13	PASS
				RB1#0	4.62	13	PASS
				RB1#25	5.4	13	PASS
				RB1#49	5.66	13	PASS
				RB25#0	6.43	13	PASS
				RB25#13	6.64	13	PASS
				RB25#25	6.86	13	PASS
				RB50#0	7.12	13	PASS
			MCH	RB1#0	5.71	13	PASS
				RB1#25	5.55	13	PASS
				RB1#49	5.28	13	PASS
				RB25#0	7.03	13	PASS
				RB25#13	6.85	13	PASS
				RB25#25	6.8	13	PASS
				RB50#0	7.03	13	PASS
			HCH	RB1#0	5.3	13	PASS
				RB1#25	5.38	13	PASS
				RB1#49	5.43	13	PASS
				RB25#0	6.86	13	PASS
				RB25#13	6.89	13	PASS
				RB25#25	6.94	13	PASS
				RB50#0	7.15	13	PASS
		15	LCH	RB1#0	4.6	13	PASS
				RB1#38	5.48	13	PASS
				RB1#74	5.55	13	PASS
				RB38#0	6.7	13	PASS
				RB38#19	6.86	13	PASS
				RB38#39	7.09	13	PASS
				RB75#0	7.04	13	PASS
			MCH	RB1#0	5.58	13	PASS
				RB1#38	5.45	13	PASS
				RB1#74	5.24	13	PASS
				RB38#0	7.08	13	PASS
				RB38#19	6.85	13	PASS
				RB38#39	6.78	13	PASS
				RB75#0	7	13	PASS
			HCH	RB1#0	5.21	13	PASS
				RB1#38	5.3	13	PASS
				RB1#74	5.39	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#0	6.69	13	PASS
				RB38#19	6.66	13	PASS
				RB38#39	6.91	13	PASS
				RB75#0	6.99	13	PASS
		20	LCH	RB1#0	3.78	13	PASS
				RB1#50	4.34	13	PASS
				RB1#99	4.5	13	PASS
				RB50#0	6.9	13	PASS
				RB50#25	7.03	13	PASS
				RB50#50	7.1	13	PASS
				RB100#0	6.87	13	PASS
			MCH	RB1#0	4.44	13	PASS
				RB1#50	4.3	13	PASS
				RB1#99	4.16	13	PASS
				RB50#0	7.11	13	PASS
				RB50#25	6.9	13	PASS
				RB50#50	6.77	13	PASS
				RB100#0	6.94	13	PASS
			HCH	RB1#0	4.25	13	PASS
				RB1#50	4.12	13	PASS
				RB1#99	4.34	13	PASS
				RB50#0	6.66	13	PASS
				RB50#25	6.64	13	PASS
				RB50#50	6.81	13	PASS
				RB100#0	7.05	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

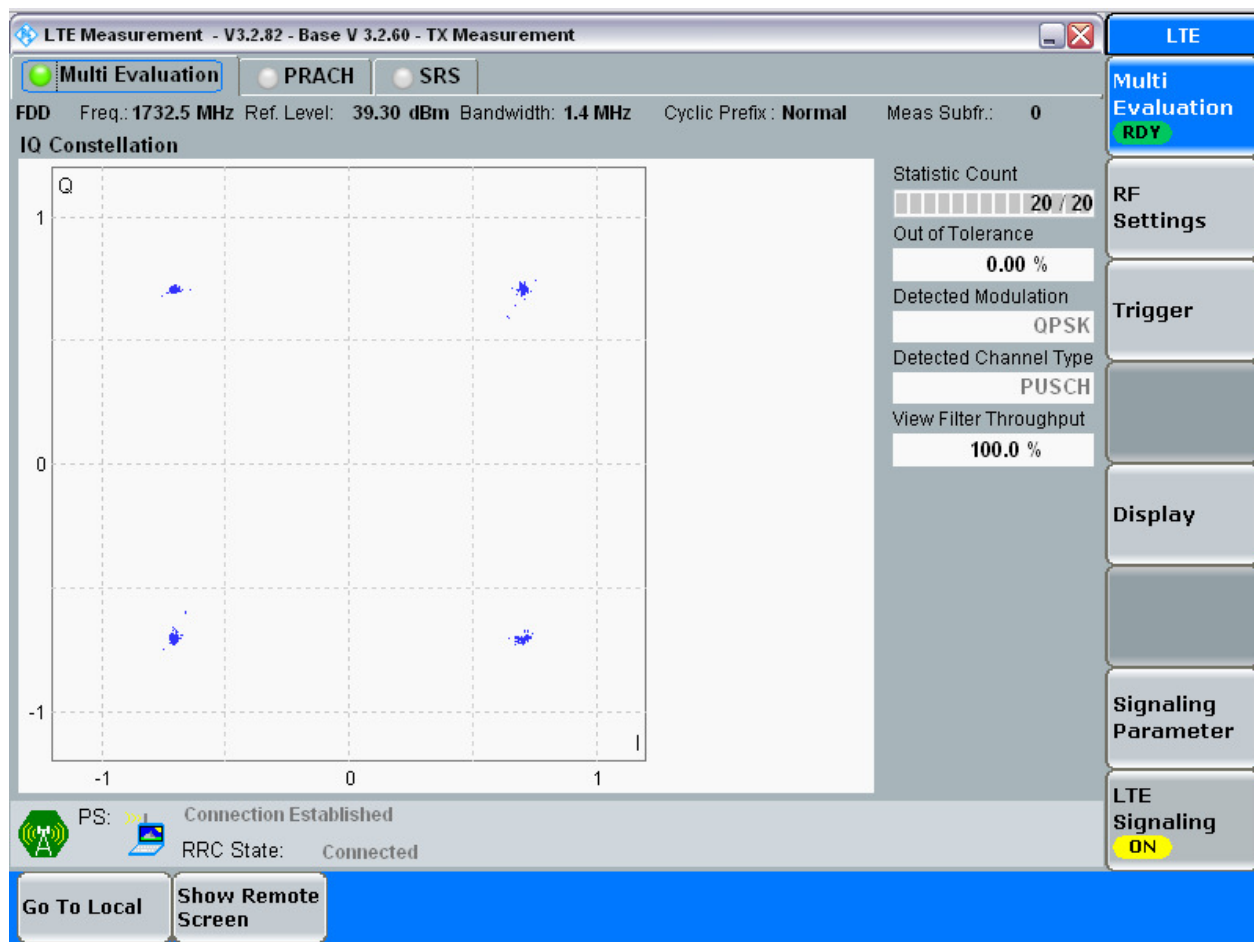
3.1.1 Test Band = BAND4

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

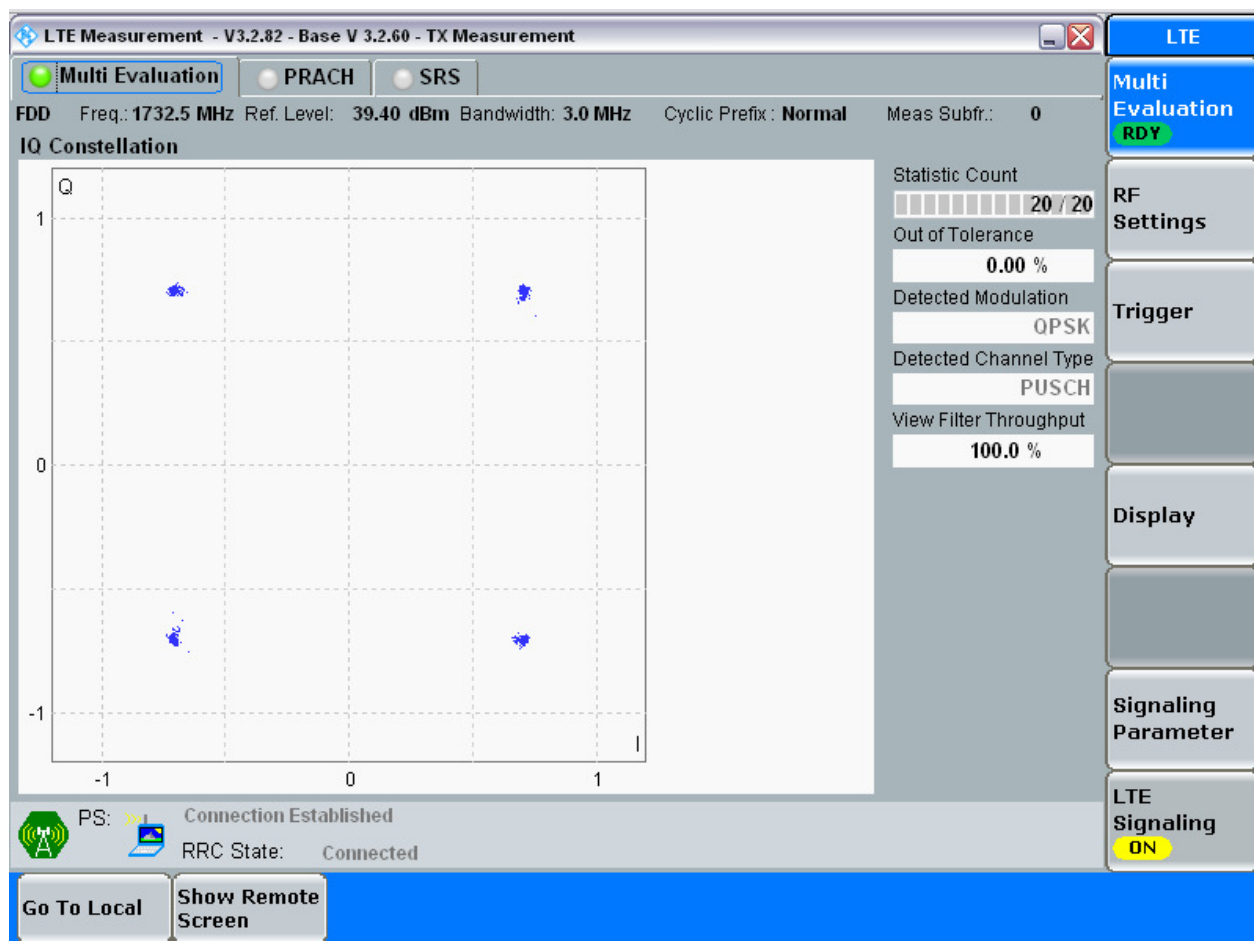
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

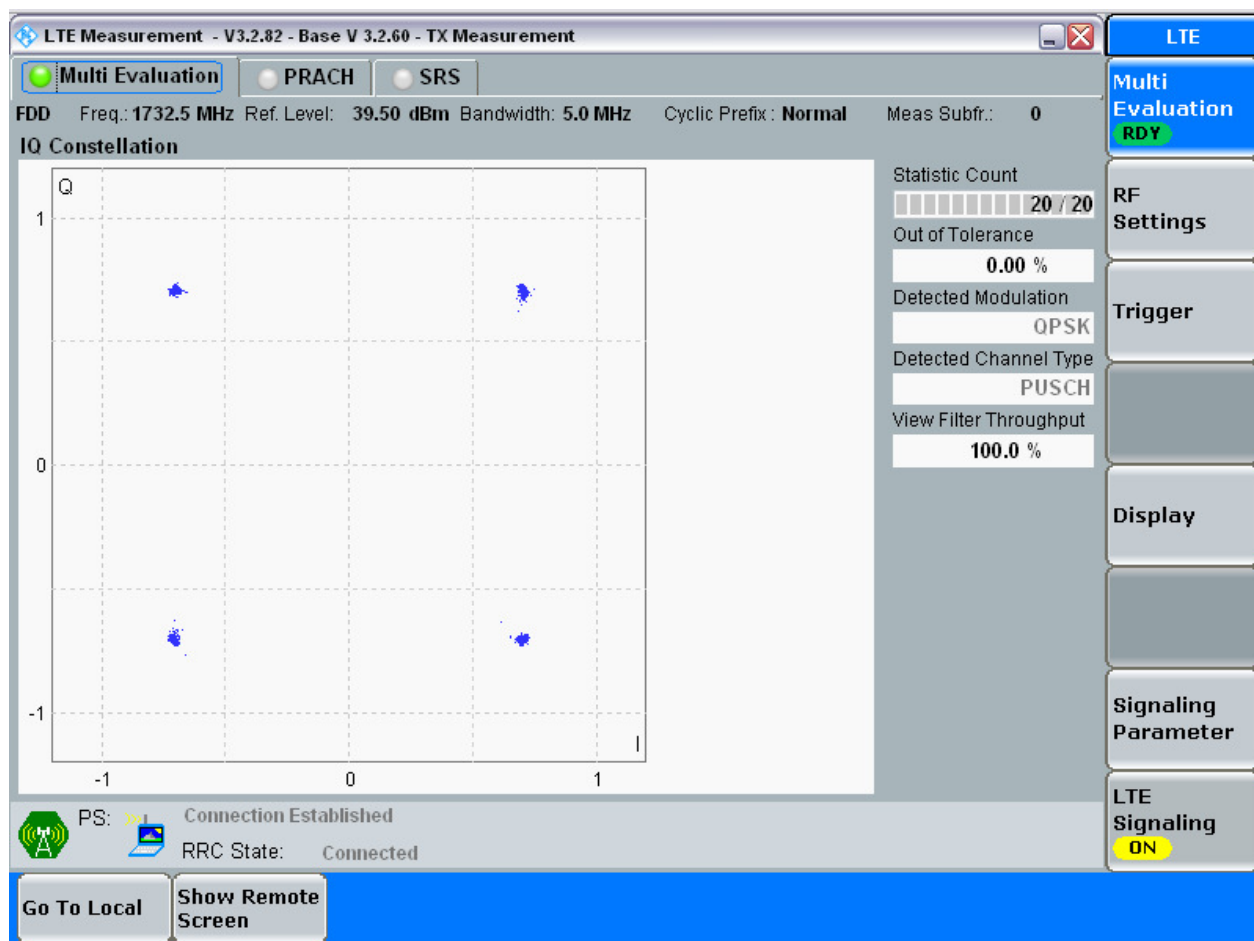
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

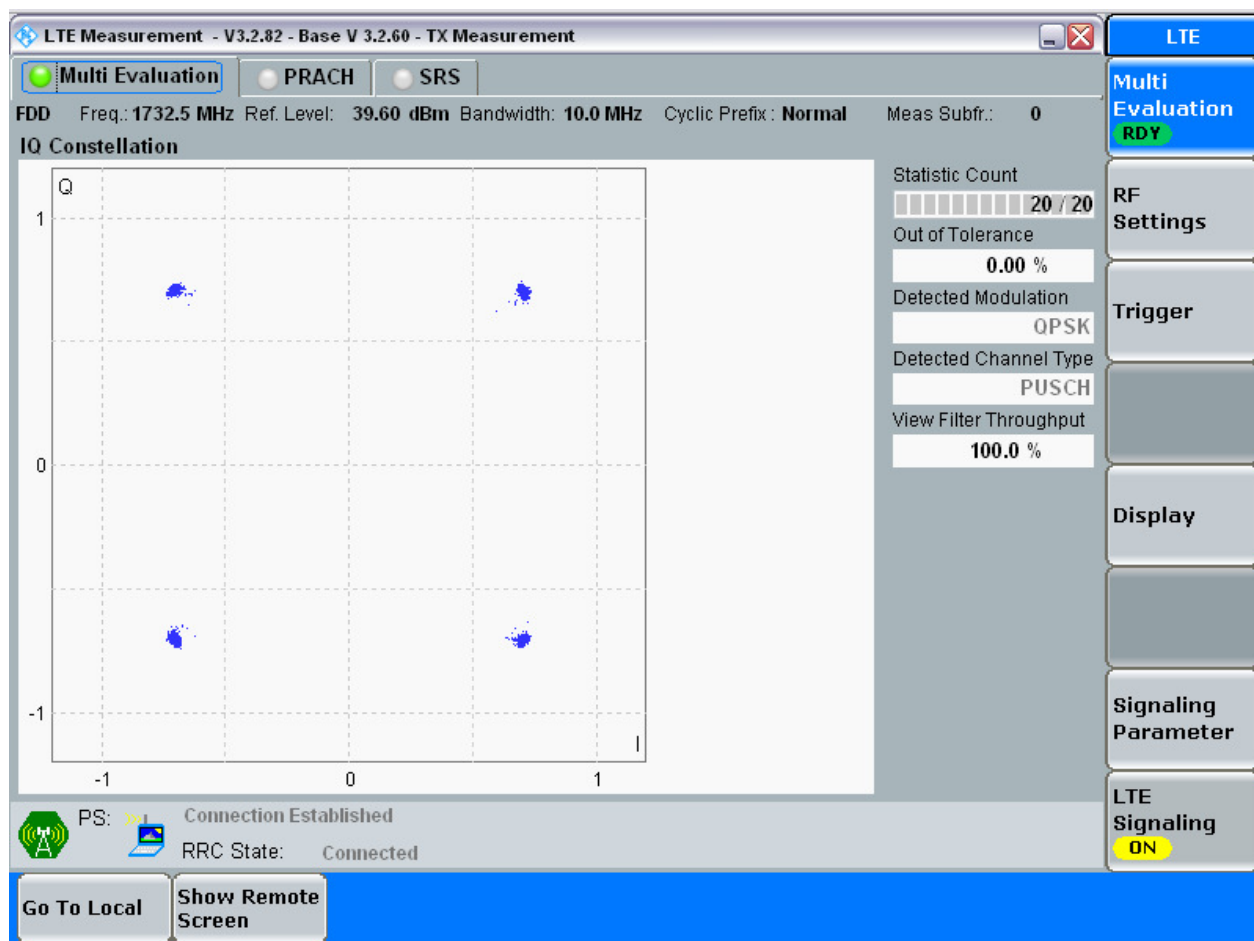
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

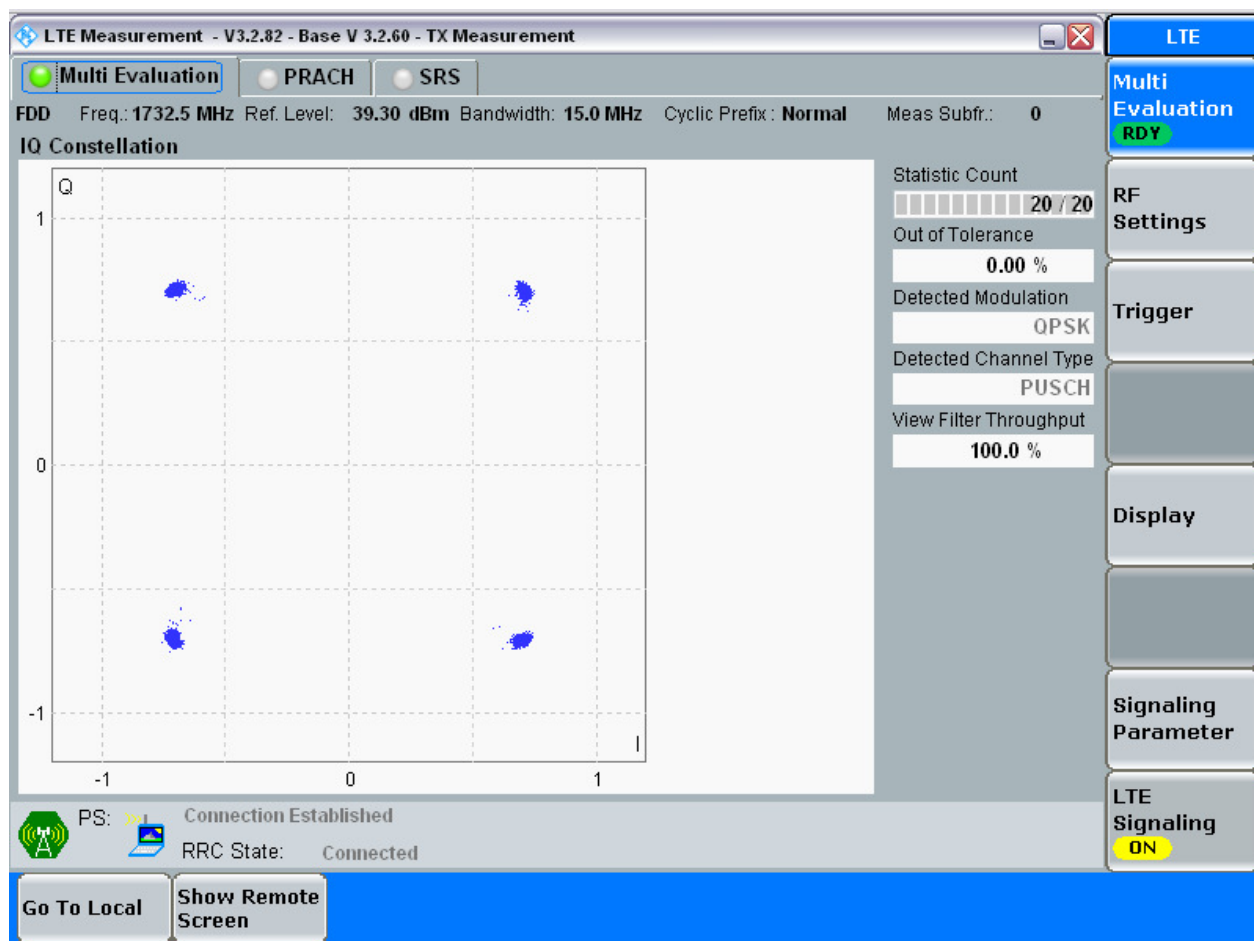
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

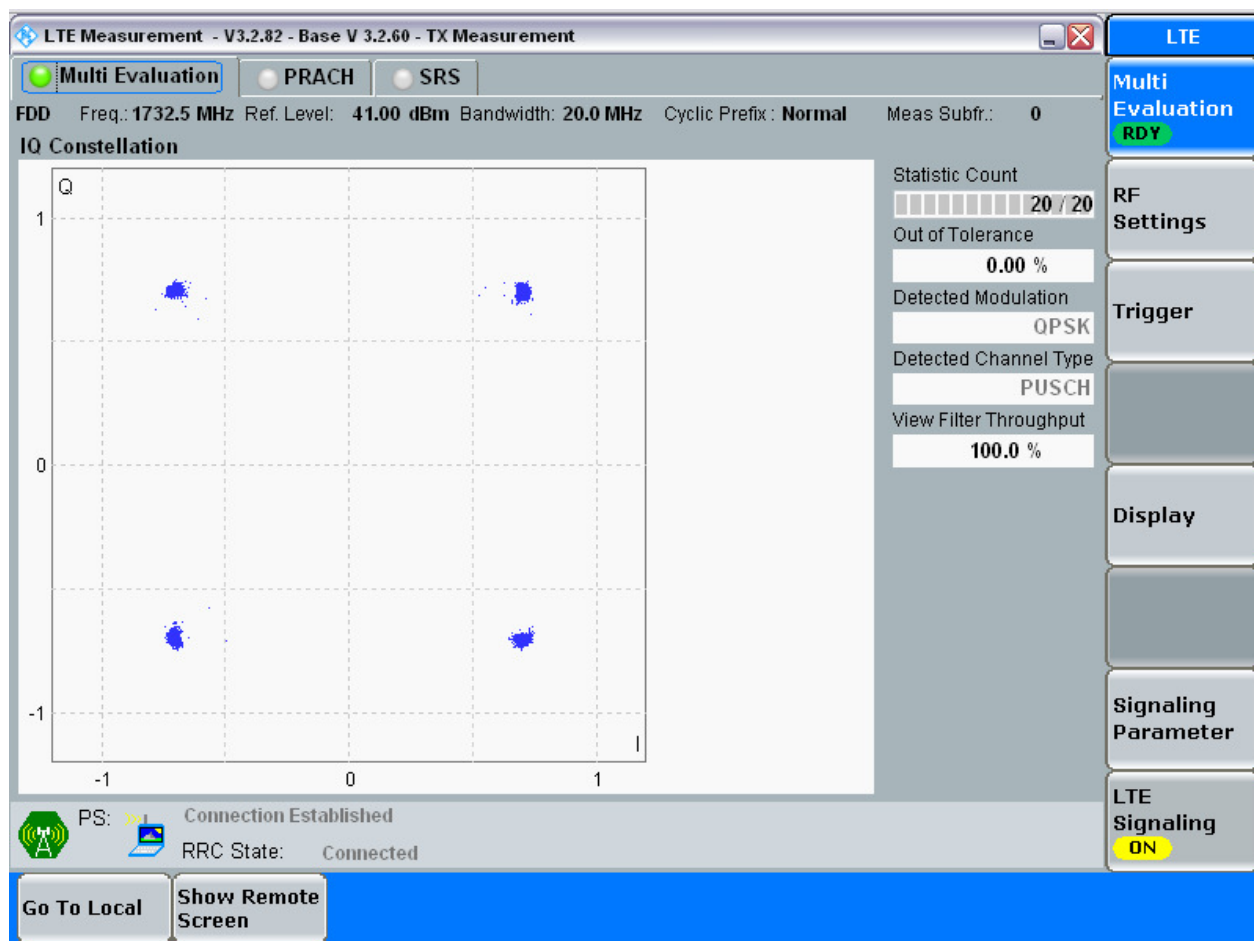
3.1.1.1.5.1.1 Test RB = RB75#0



3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0

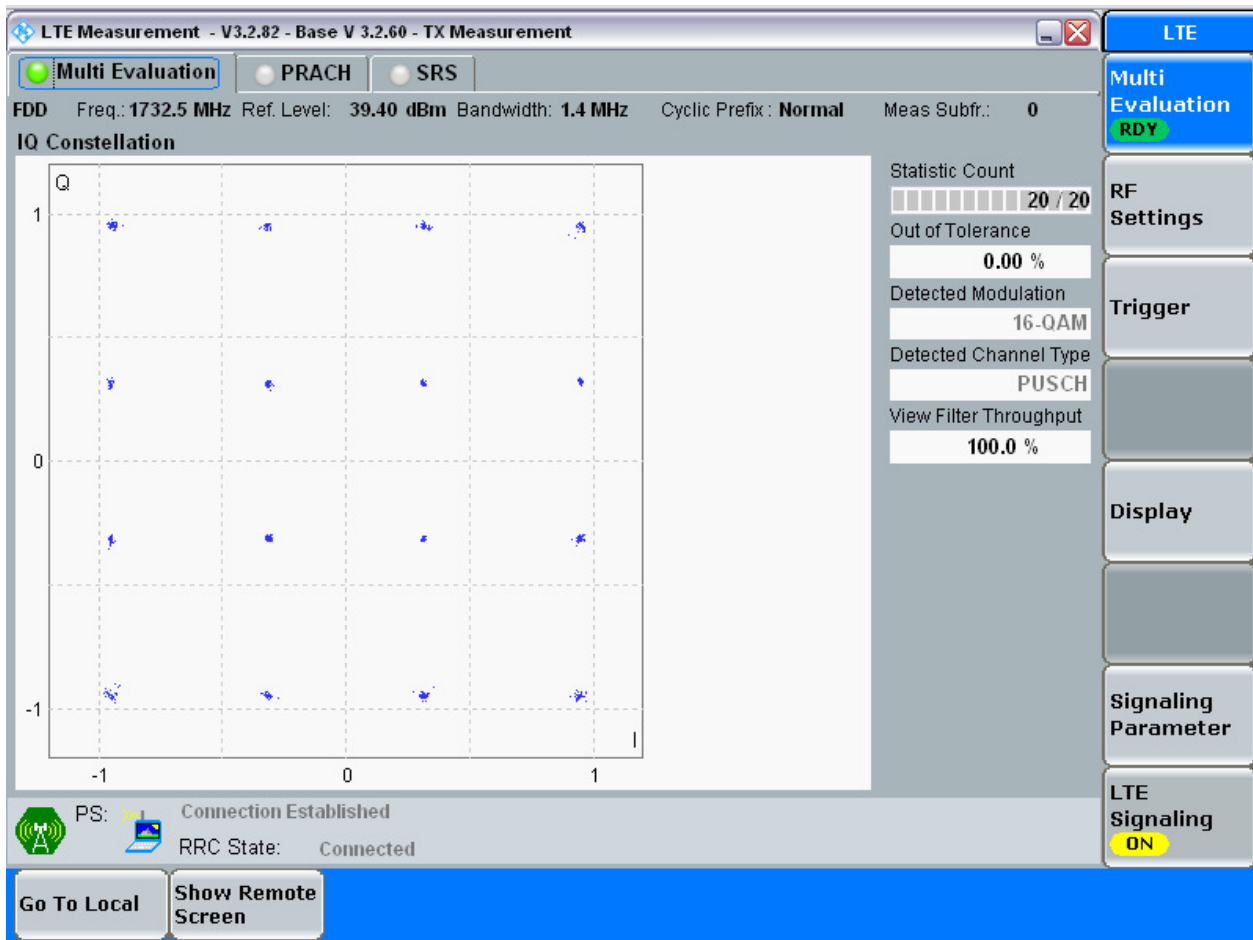


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

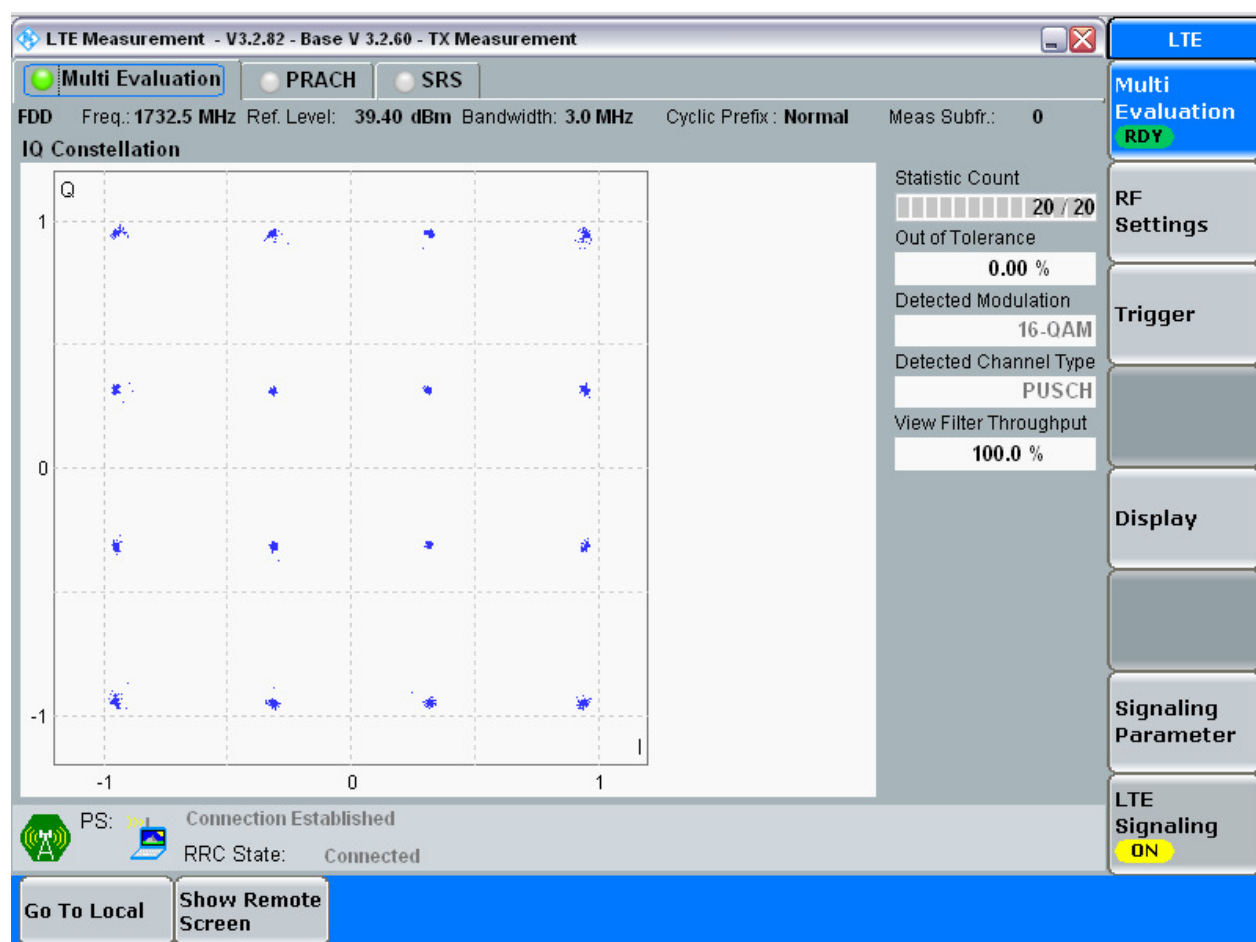
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

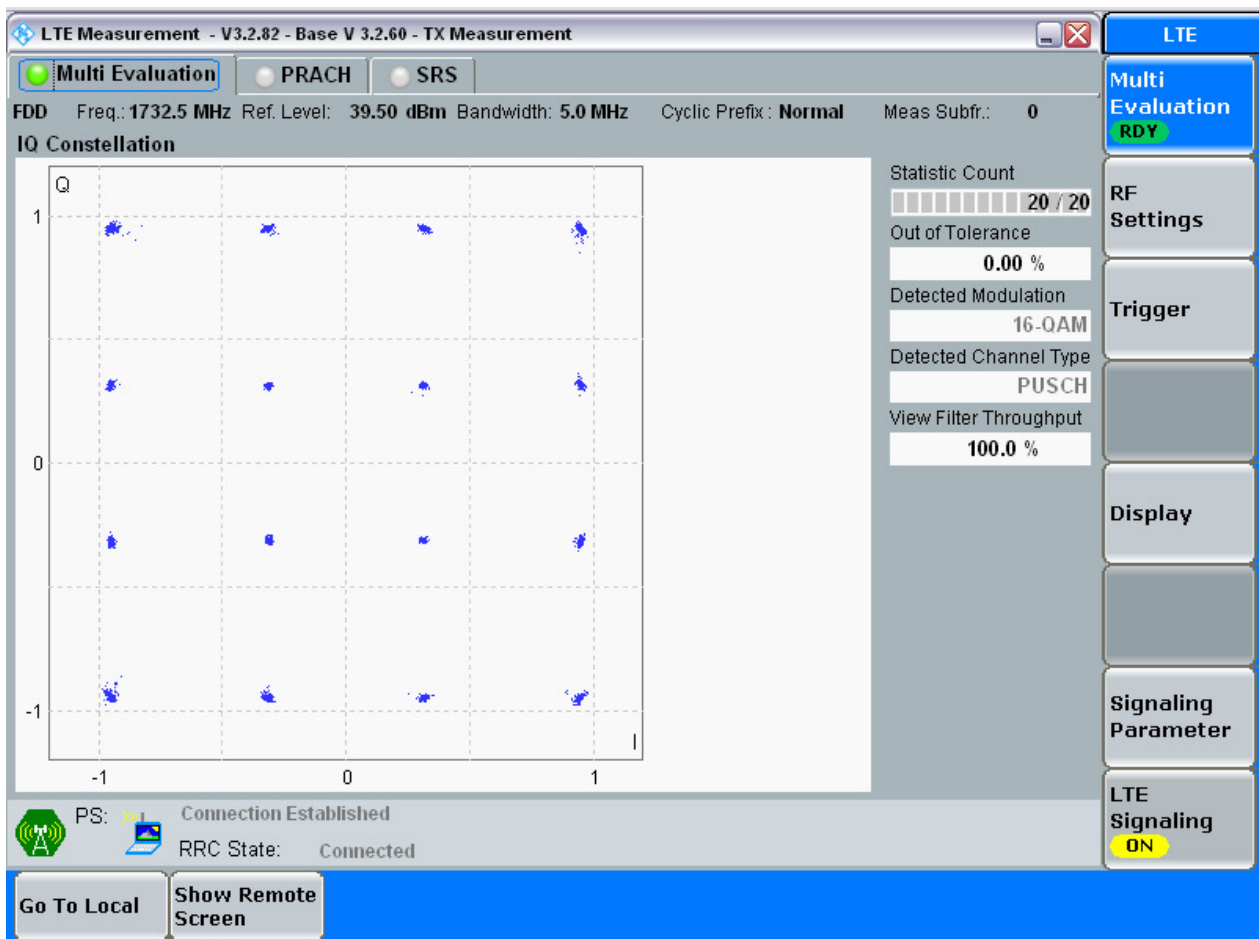
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

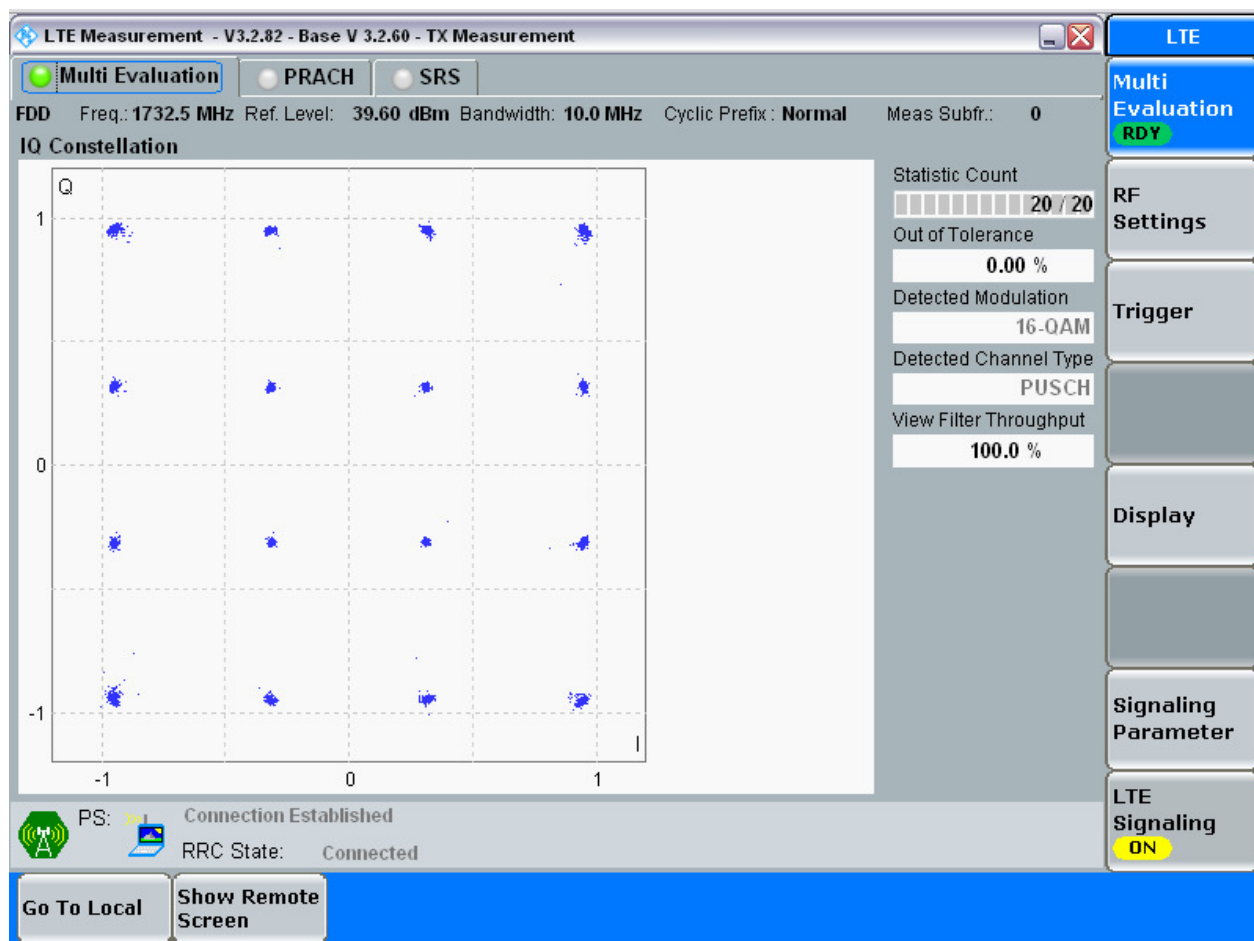
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

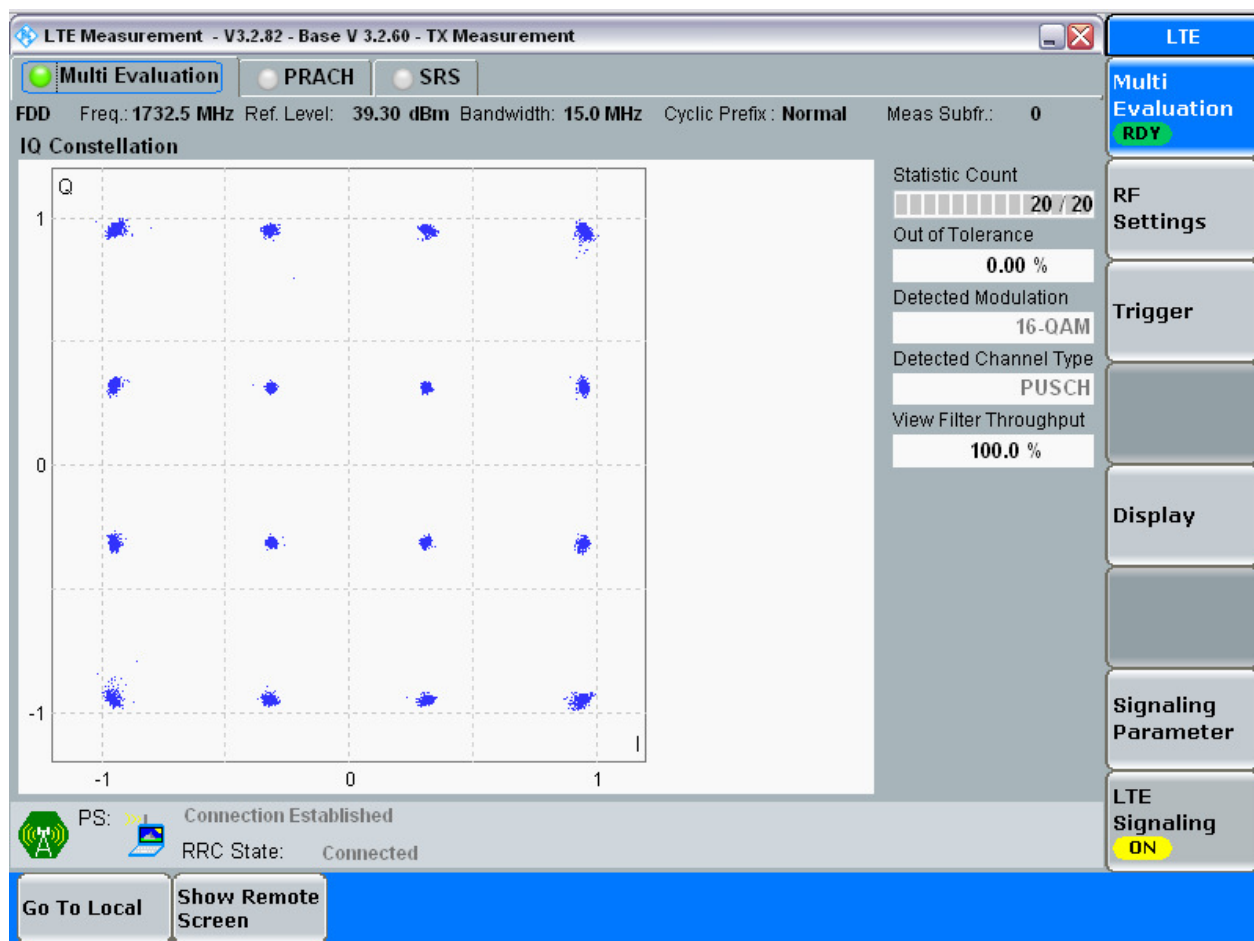
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

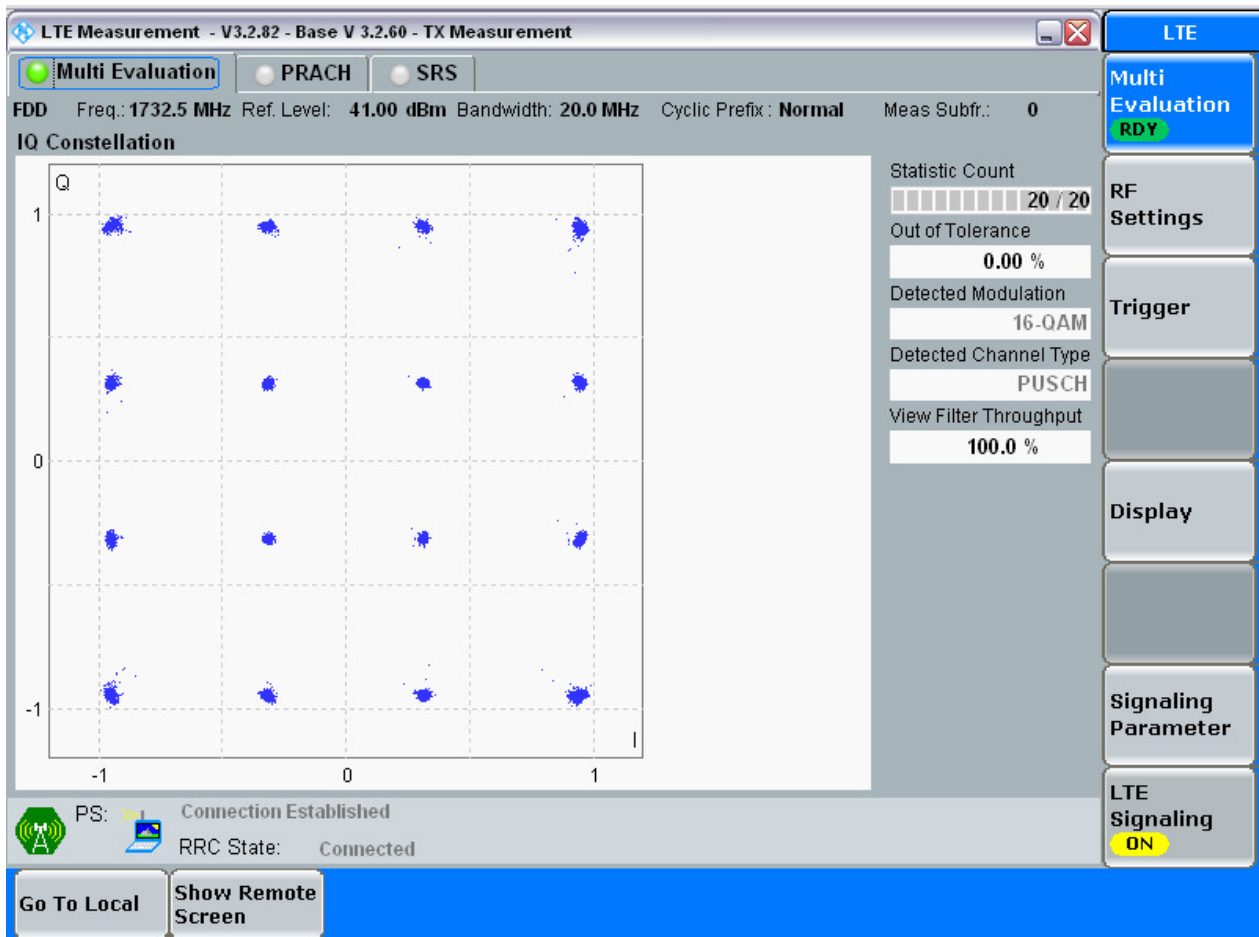
3.1.1.2.5.1.1 Test RB = RB75#0



3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 Test RB = RB100#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
BAND4	LTE/TM1	1.4	LCH	RB6#0	1.09	1.26	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.70	2.91	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.92	Pass
		5	LCH	RB25#0	4.51	4.90	Pass
			MCH	RB25#0	4.51	4.91	Pass
			HCH	RB25#0	4.51	4.90	Pass
		10	LCH	RB50#0	8.99	9.62	Pass
			MCH	RB50#0	8.99	9.61	Pass
			HCH	RB50#0	8.99	9.62	Pass
		15	LCH	RB75#0	13.50	14.29	Pass
			MCH	RB75#0	13.50	14.30	Pass
			HCH	RB75#0	13.49	14.34	Pass
		20	LCH	RB100#0	17.97	18.99	Pass
			MCH	RB100#0	17.96	18.99	Pass
			HCH	RB100#0	17.97	18.99	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.25	Pass
			HCH	RB6#0	1.09	1.25	Pass
		3	LCH	RB15#0	2.70	2.91	Pass
			MCH	RB15#0	2.70	2.92	Pass
			HCH	RB15#0	2.70	2.92	Pass
		5	LCH	RB25#0	4.52	4.89	Pass
			MCH	RB25#0	4.51	4.90	Pass
			HCH	RB25#0	4.51	4.88	Pass
		10	LCH	RB50#0	8.99	9.61	Pass
			MCH	RB50#0	8.98	9.61	Pass
			HCH	RB50#0	8.99	9.64	Pass
		15	LCH	RB75#0	13.49	14.29	Pass
			MCH	RB75#0	13.48	14.31	Pass
			HCH	RB75#0	13.48	14.28	Pass
		20	LCH	RB100#0	17.98	19.02	Pass
			MCH	RB100#0	17.97	19.00	Pass
			HCH	RB100#0	17.98	18.99	Pass



Part II - Test Plots

4.1 For LTE

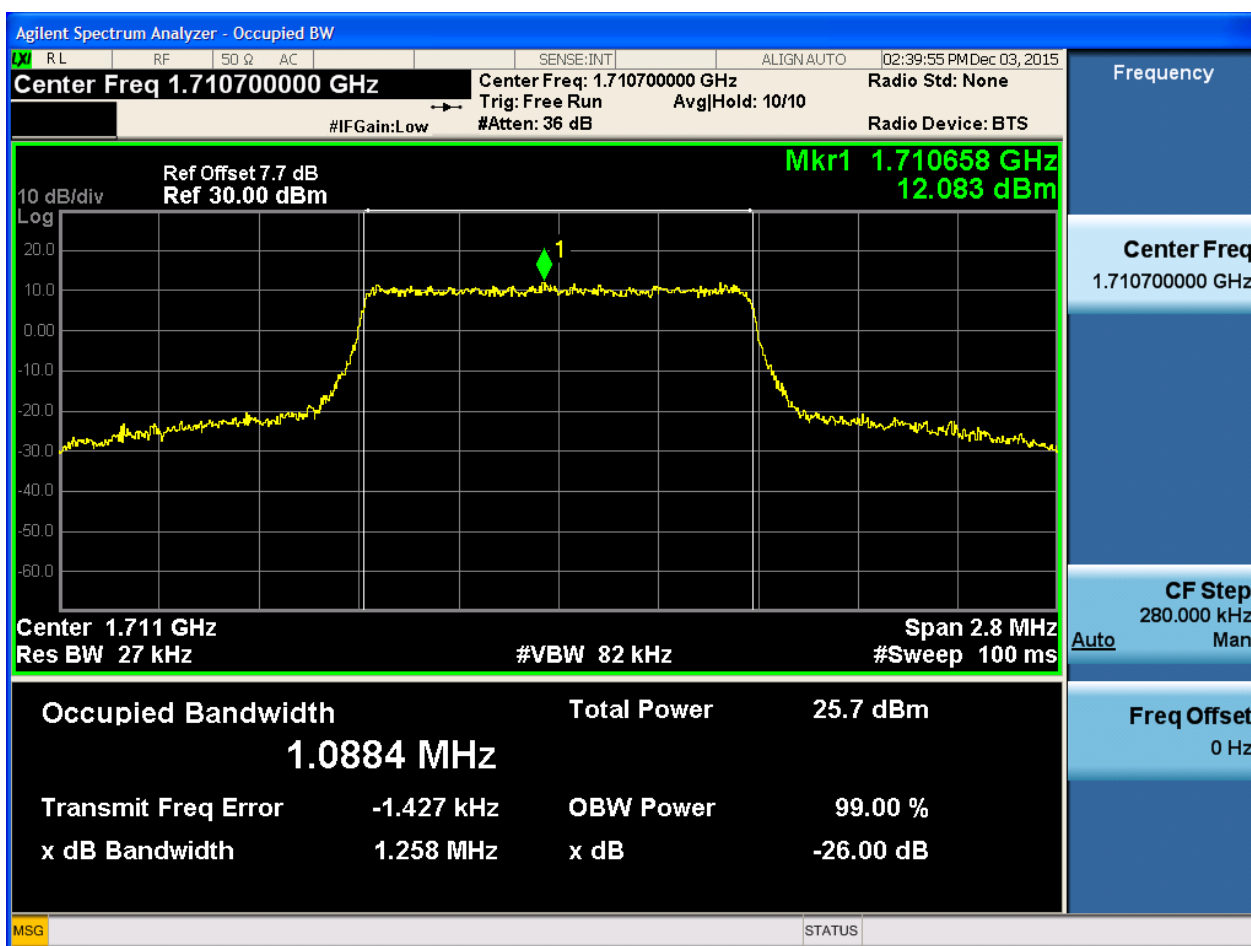
4.1.1 Test Band = BAND4

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

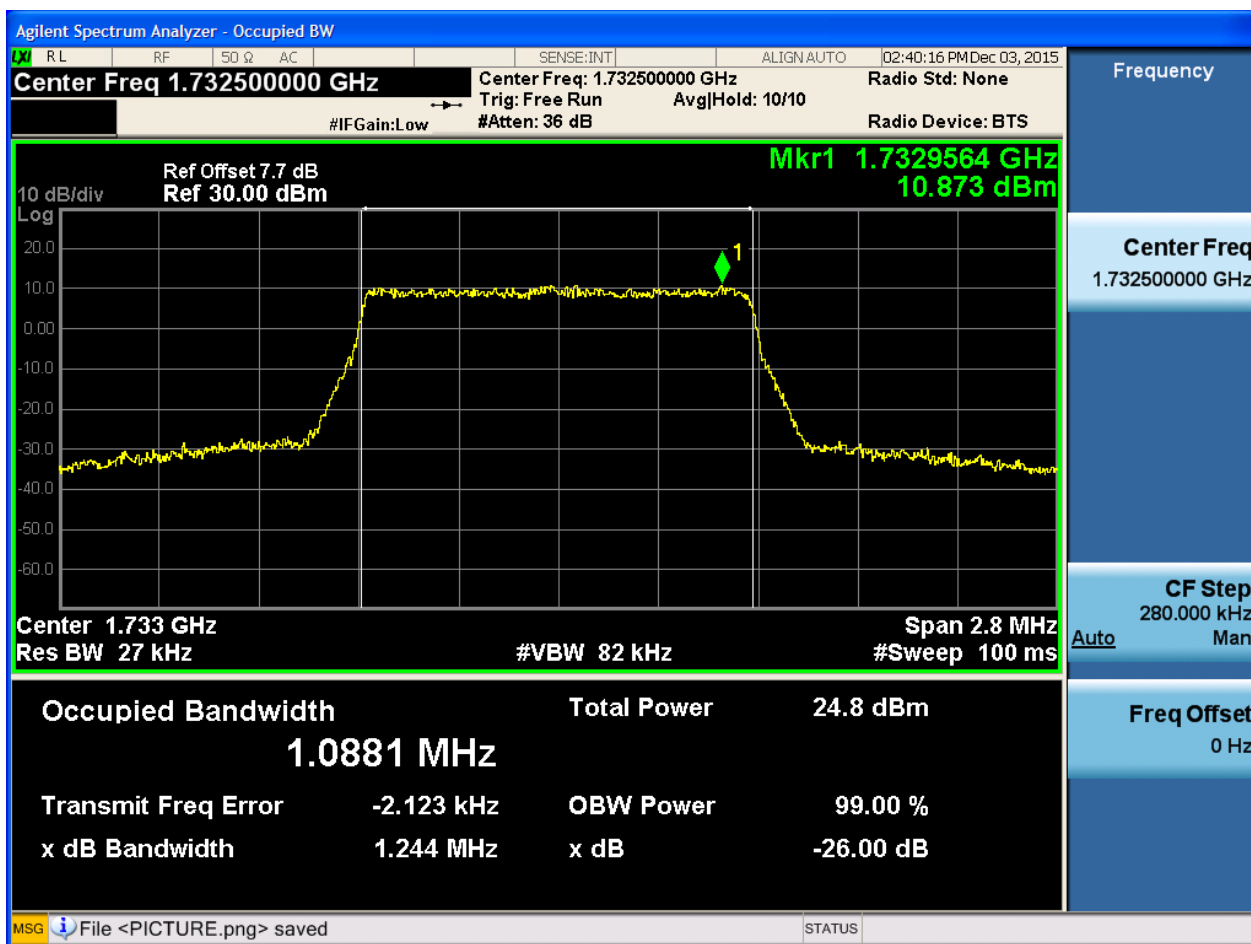
4.1.1.1.1.1.1 Test RB = RB6#0





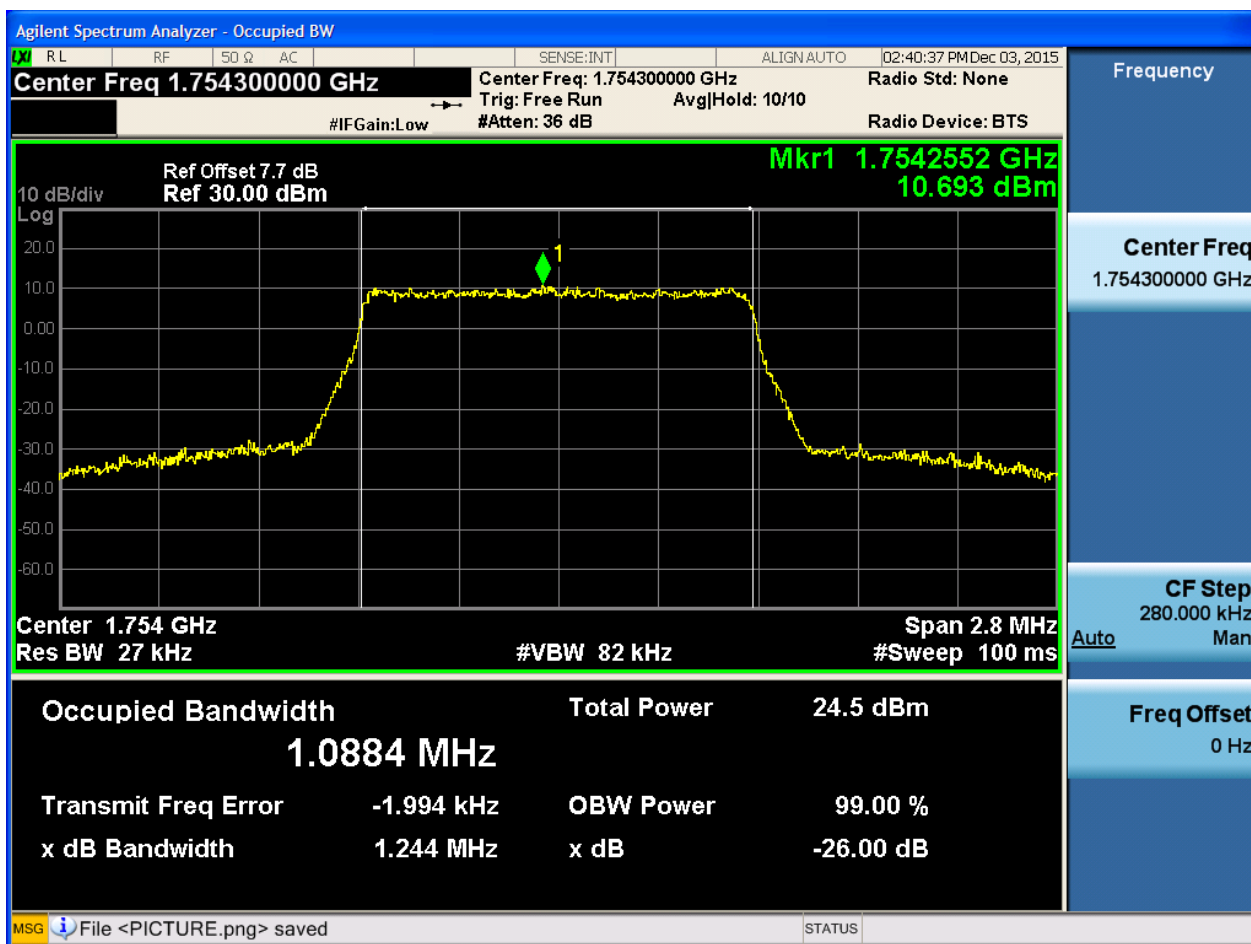
4.1.1.1.1.2 Test Channel = MCH

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

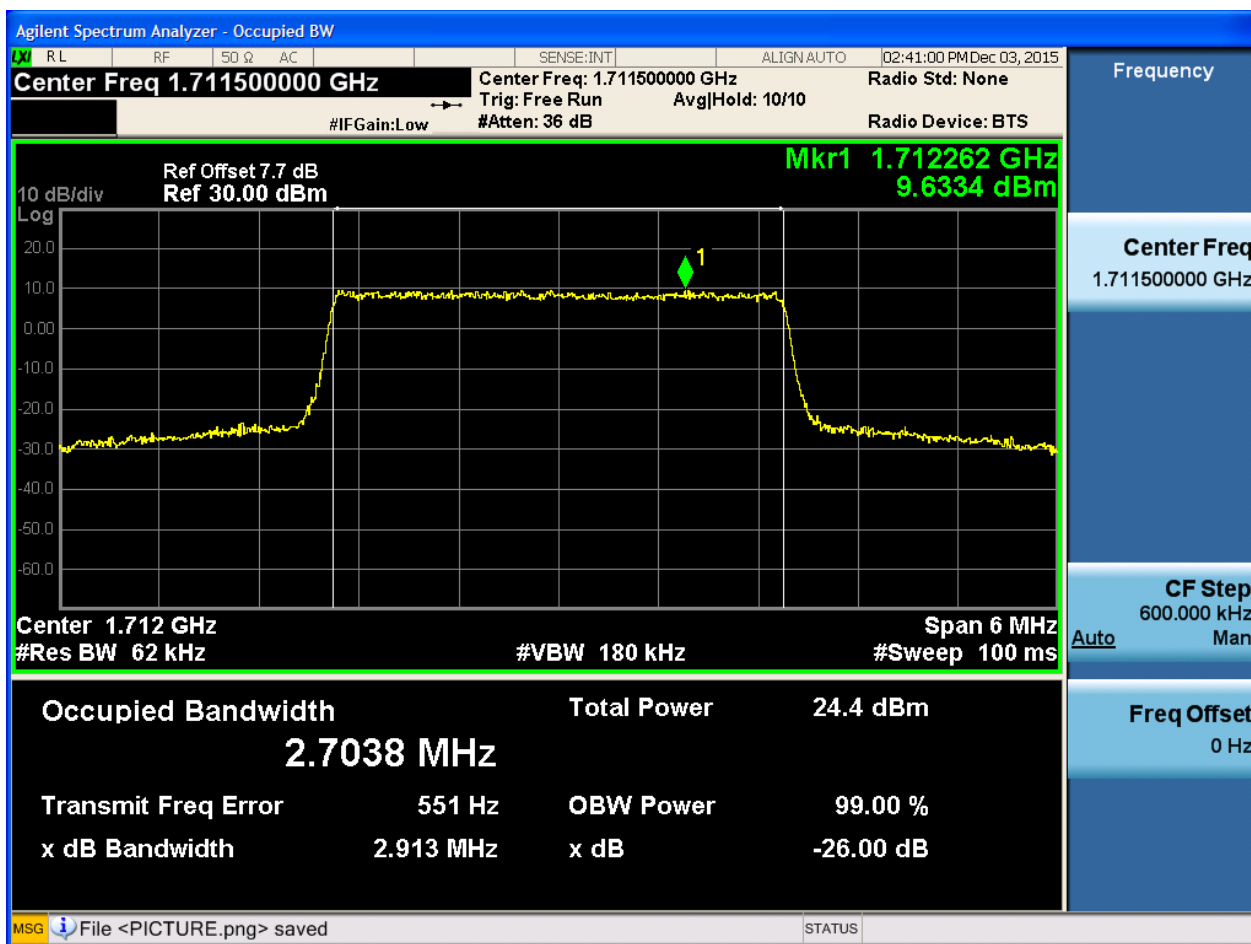




4.1.1.1.2 Test Bandwidth = 3

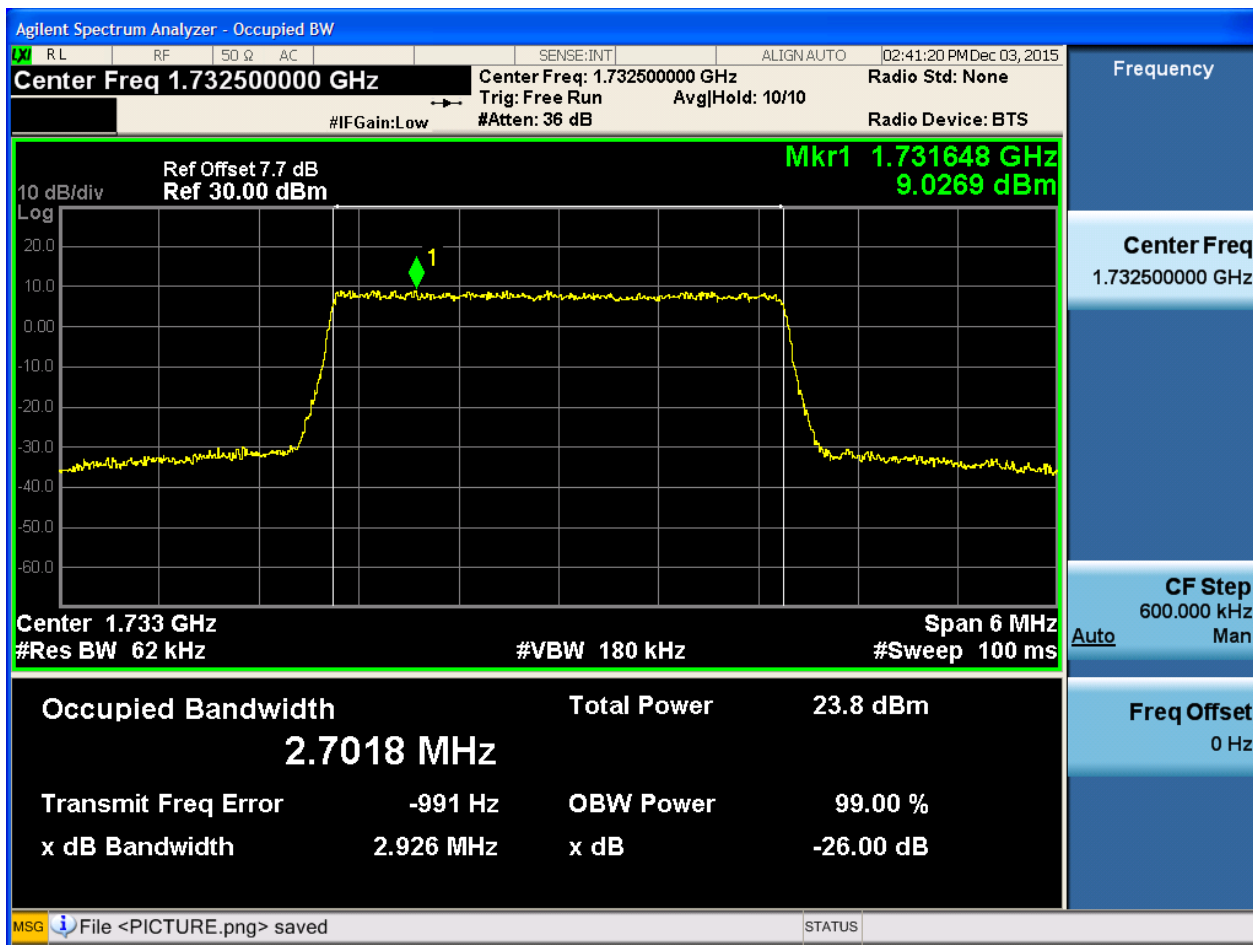
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



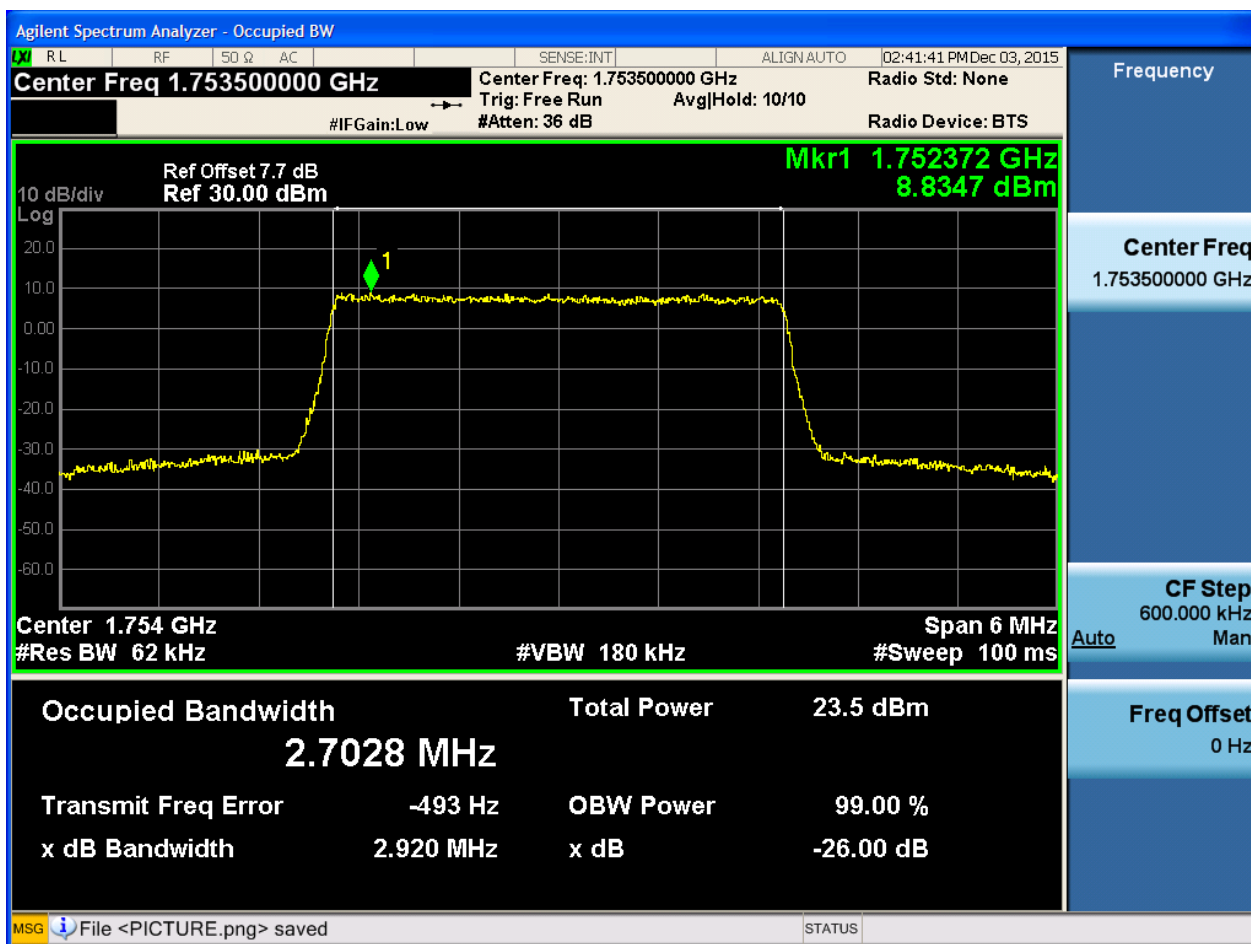
4.1.1.1.2.2 Test Channel = MCH

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

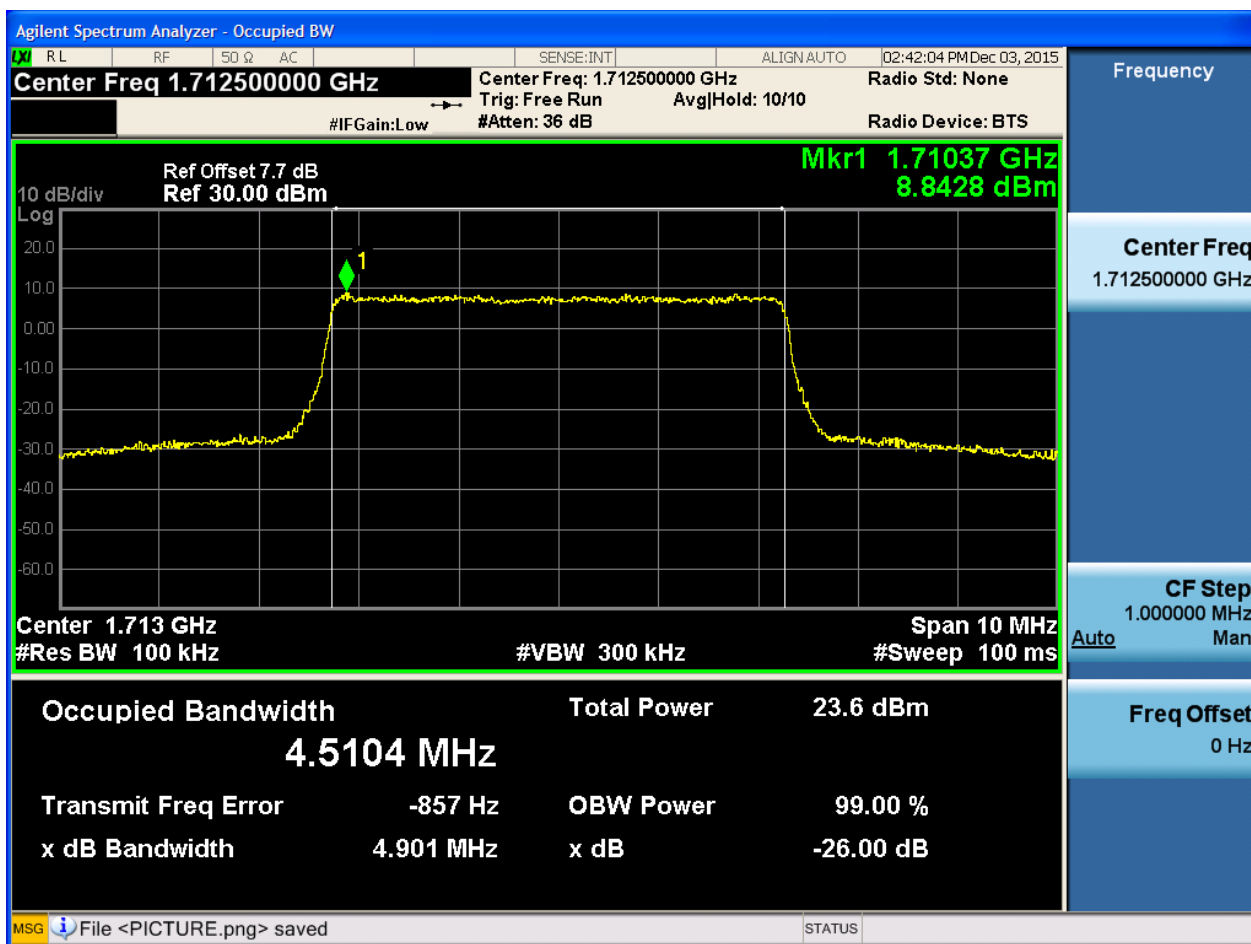




4.1.1.1.3 Test Bandwidth = 5

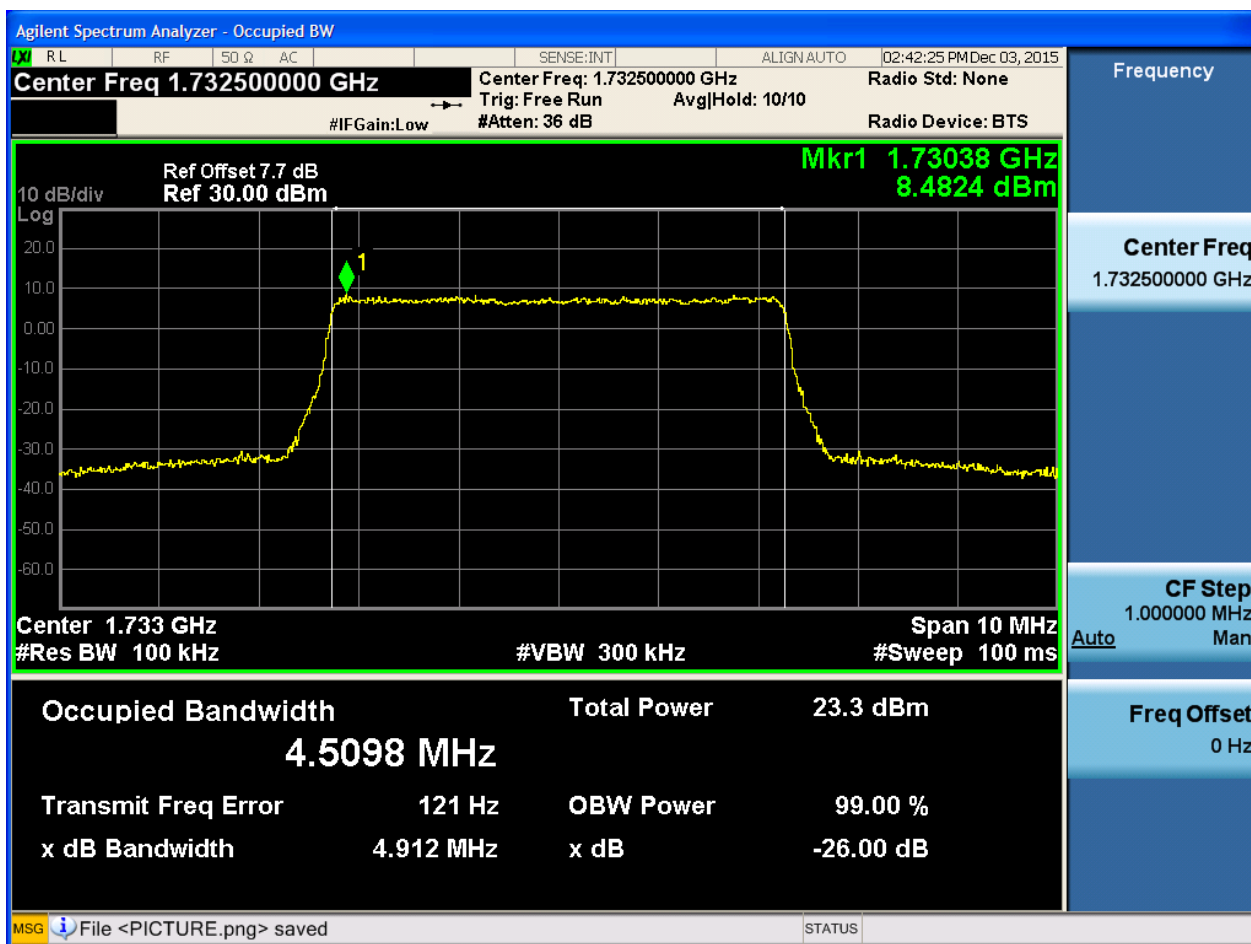
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



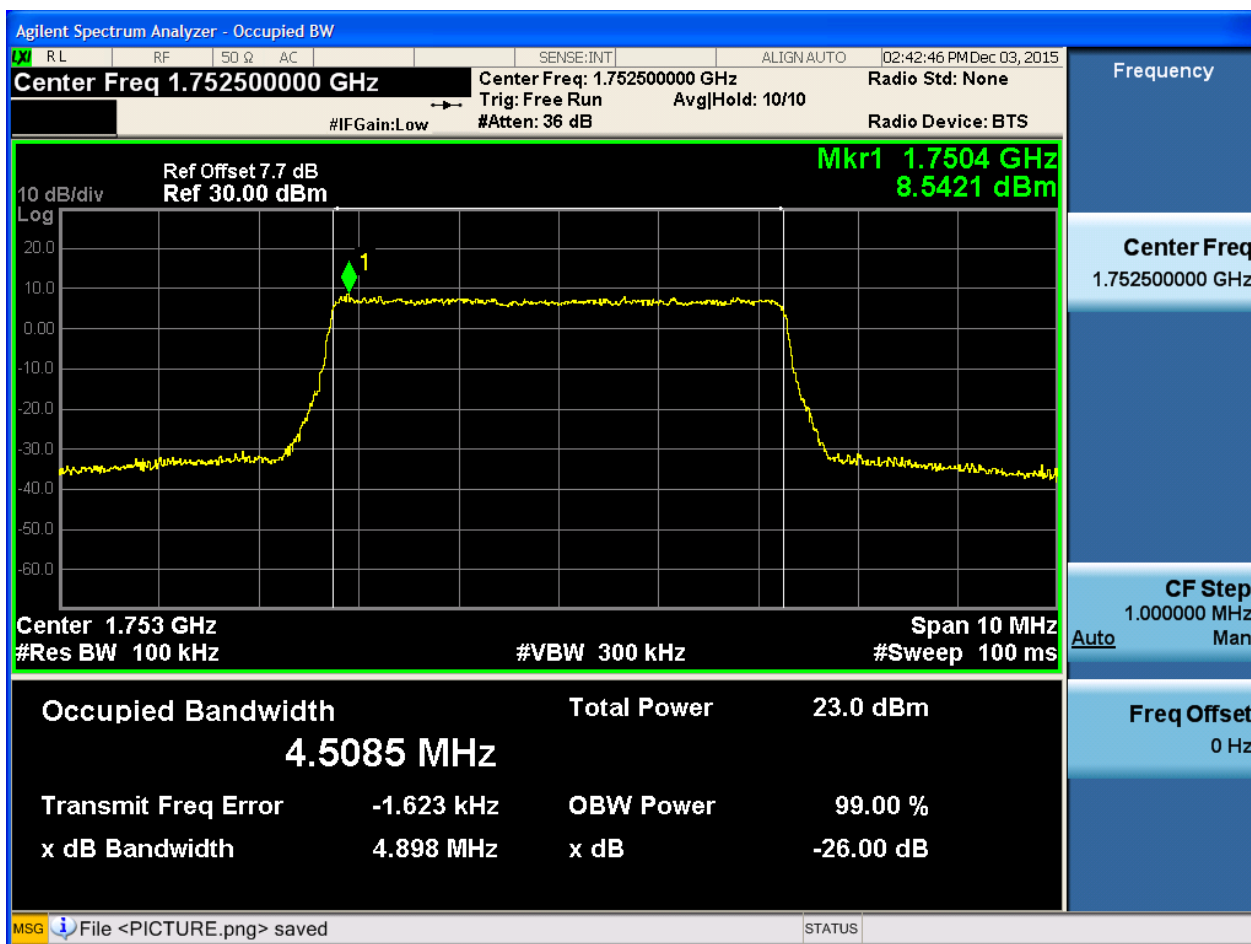
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

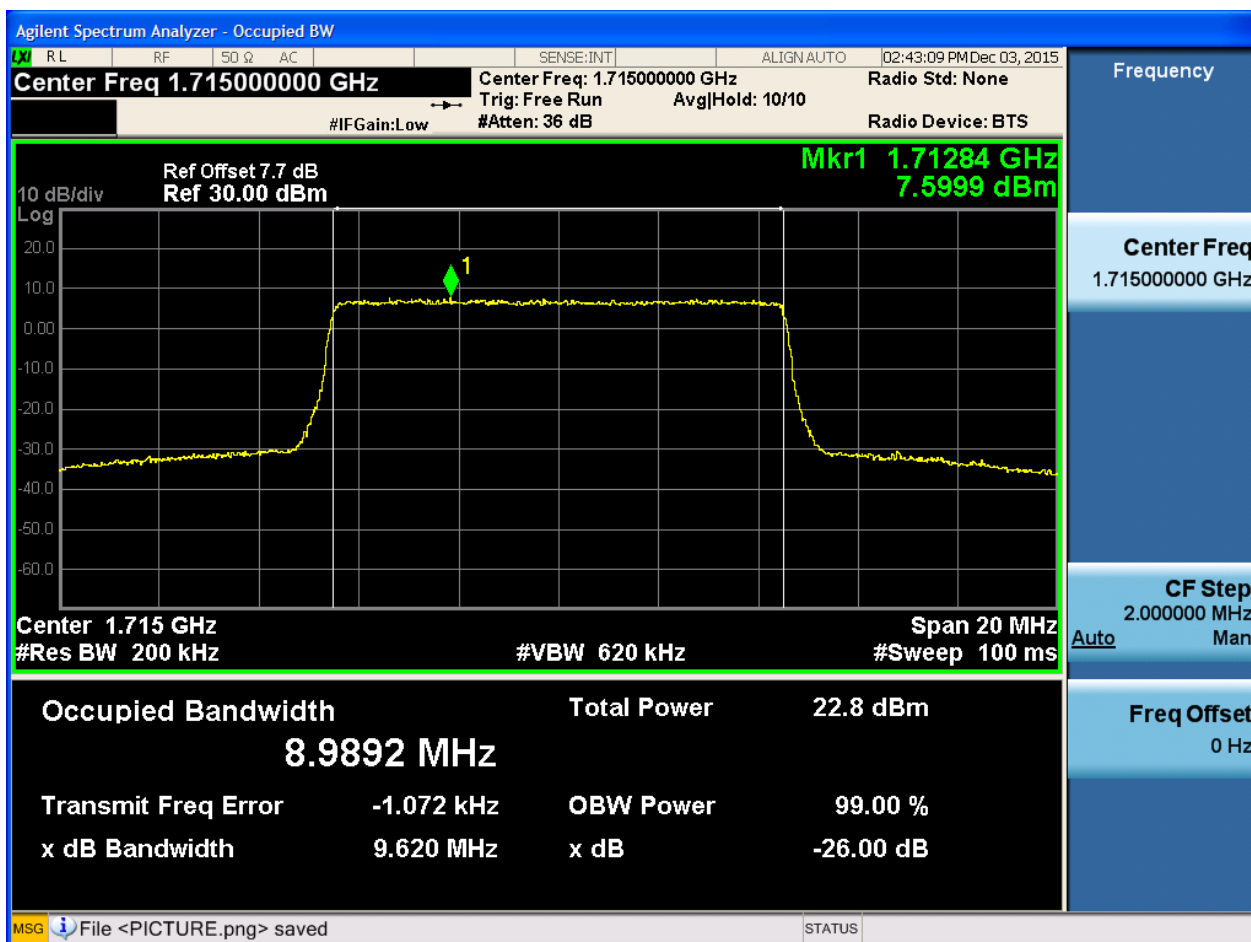
4.1.1.1.3.3.1 Test RB = RB25#0



4.1.1.1.4 Test Bandwidth = 10

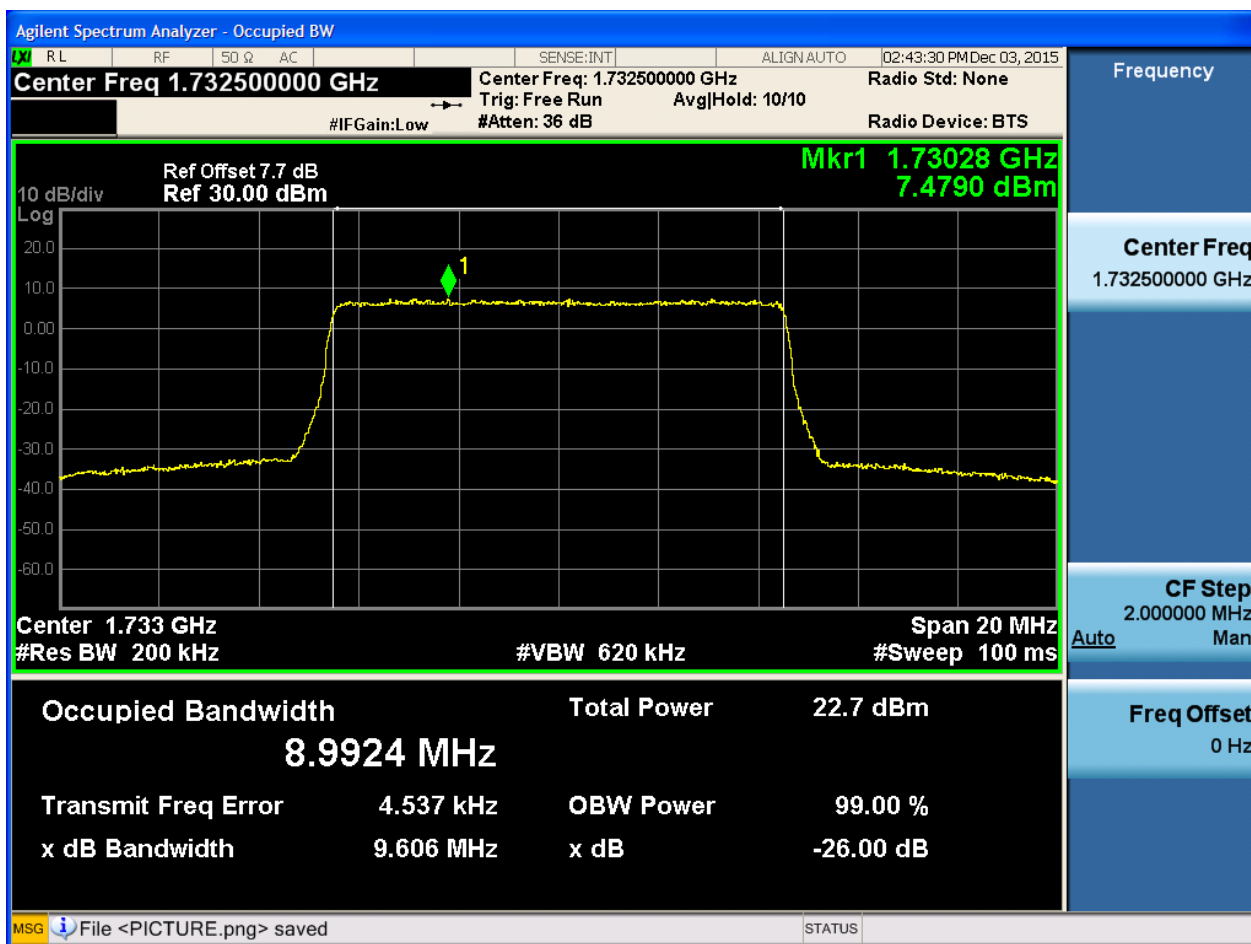
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



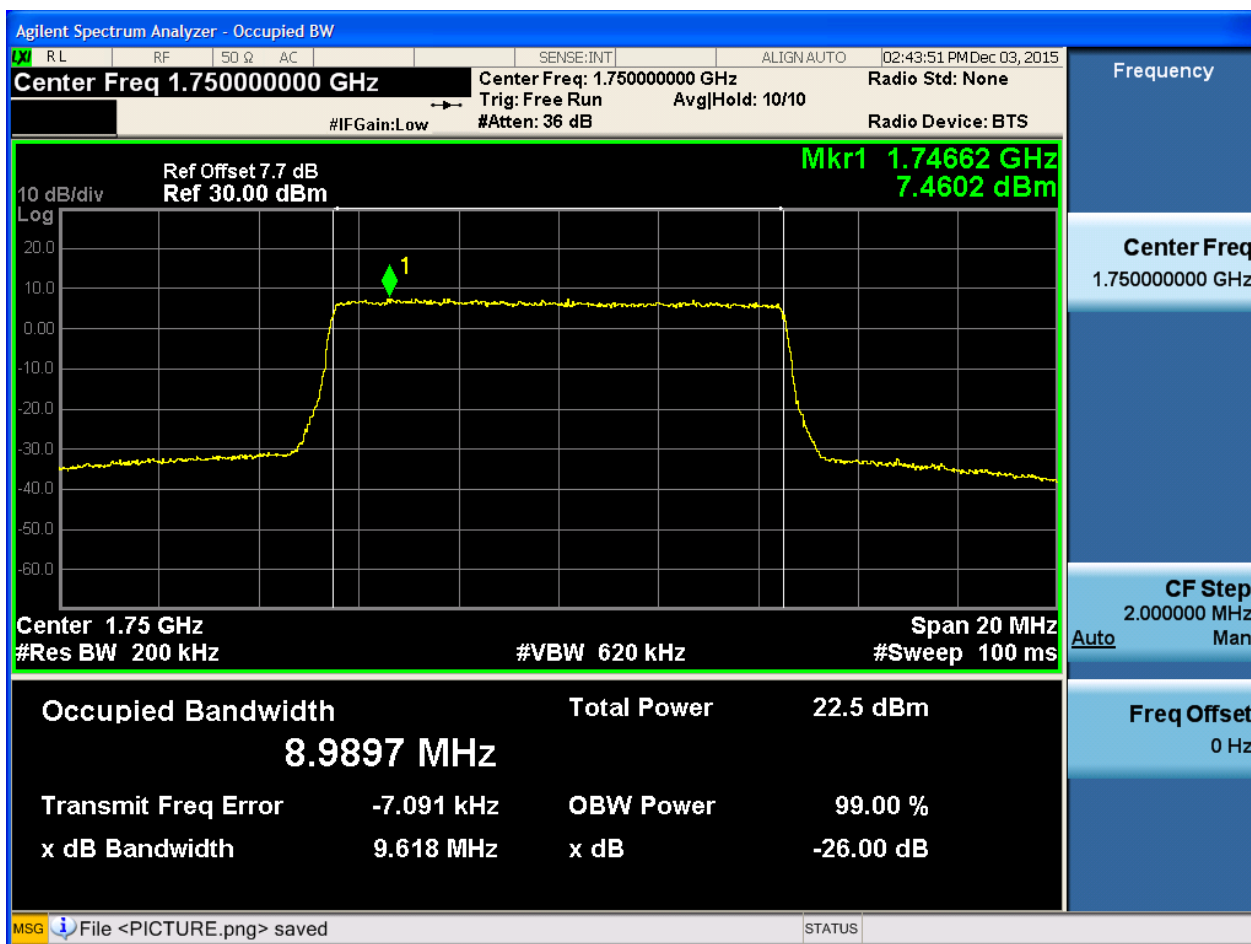
4.1.1.1.4.2 Test Channel = MCH

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

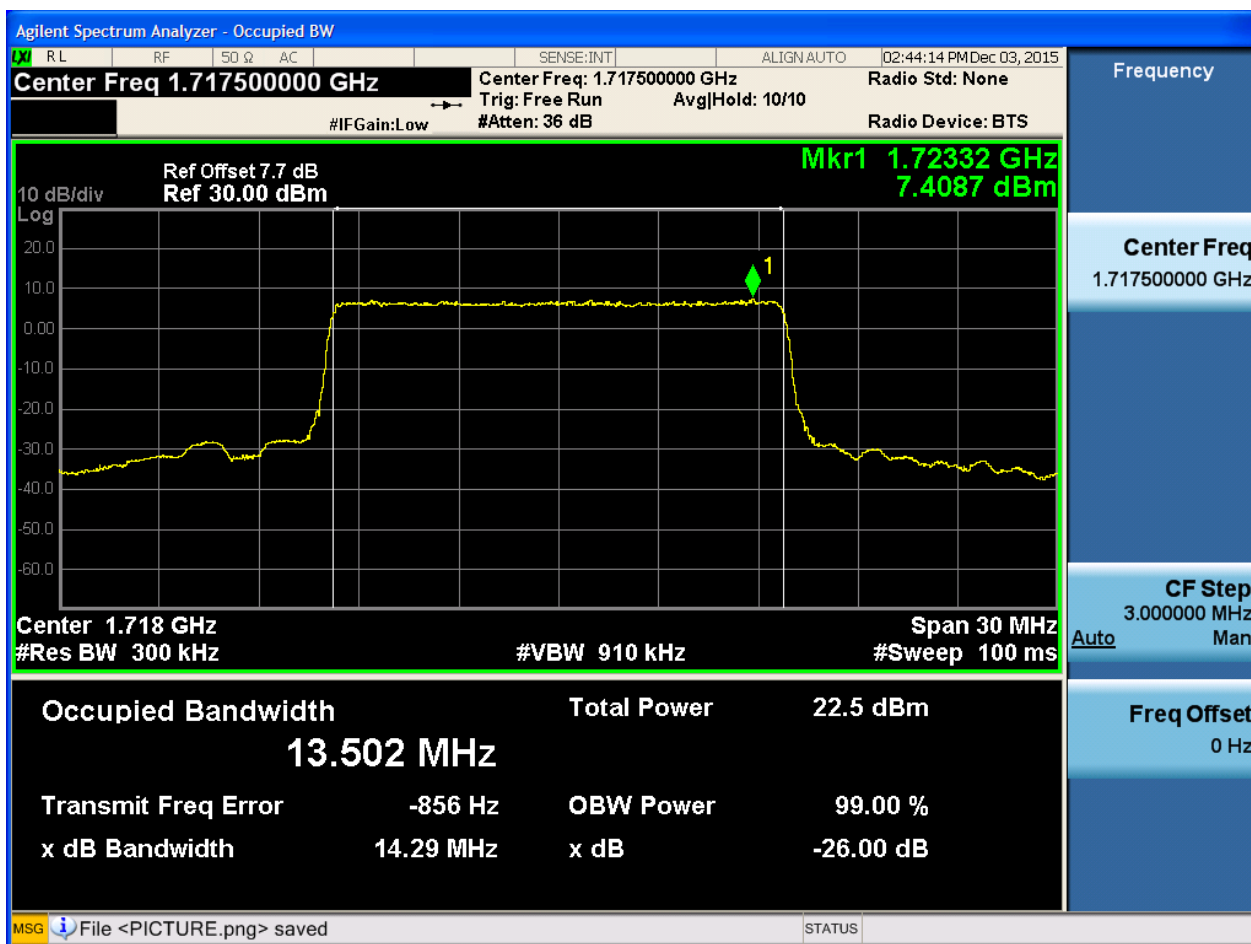




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

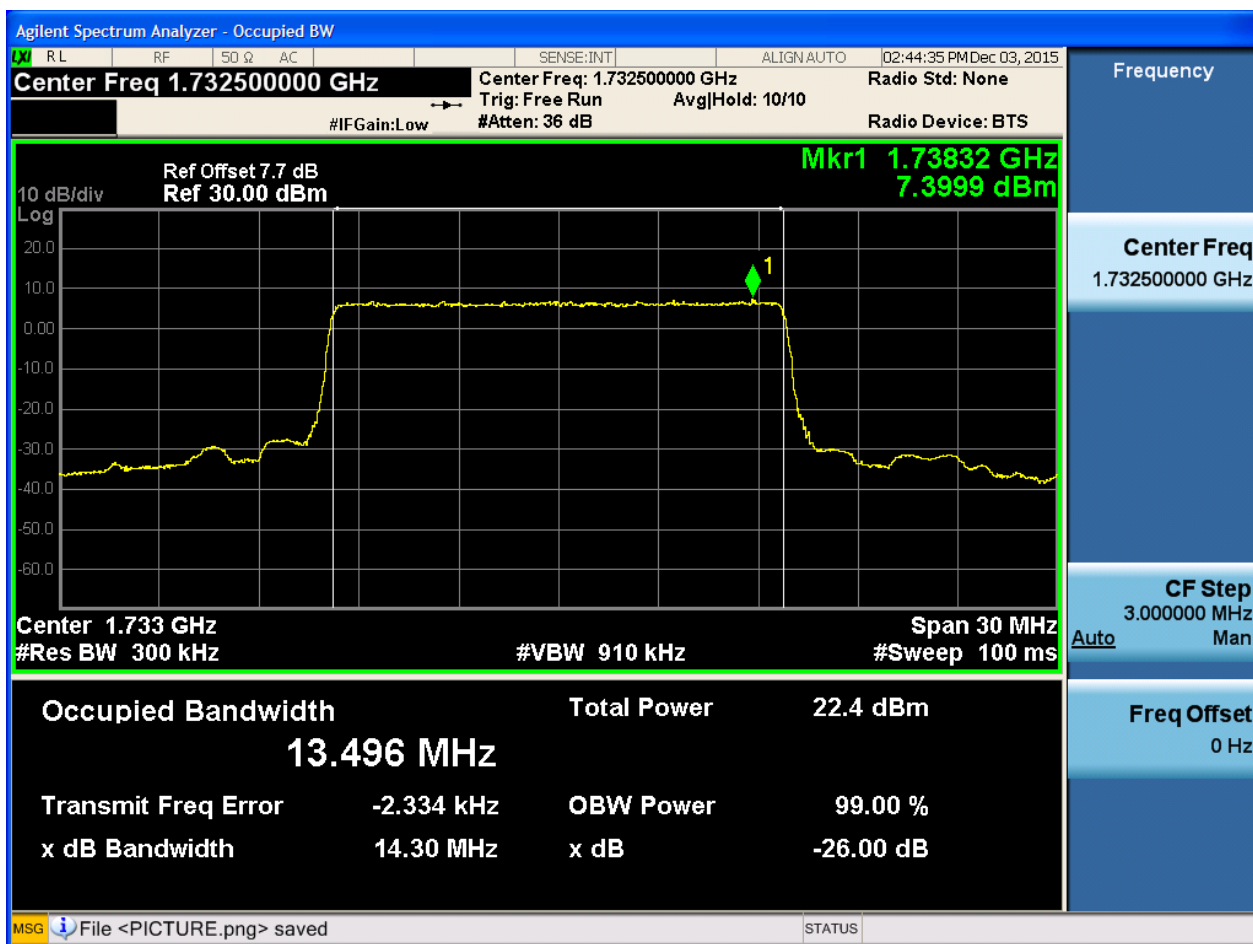
4.1.1.1.5.1.1 Test RB = RB75#0





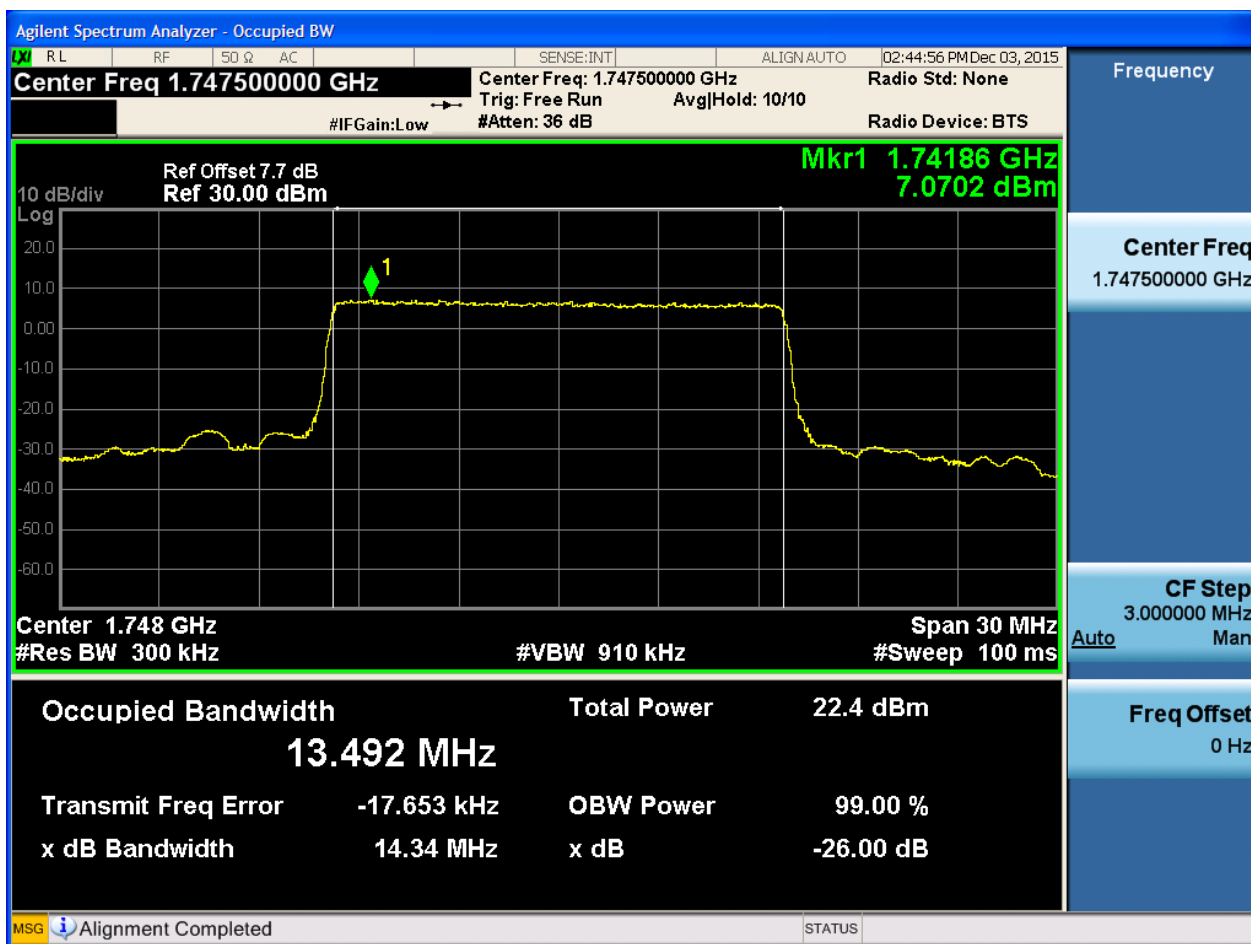
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0



4.1.1.1.5.3 Test Channel = HCH

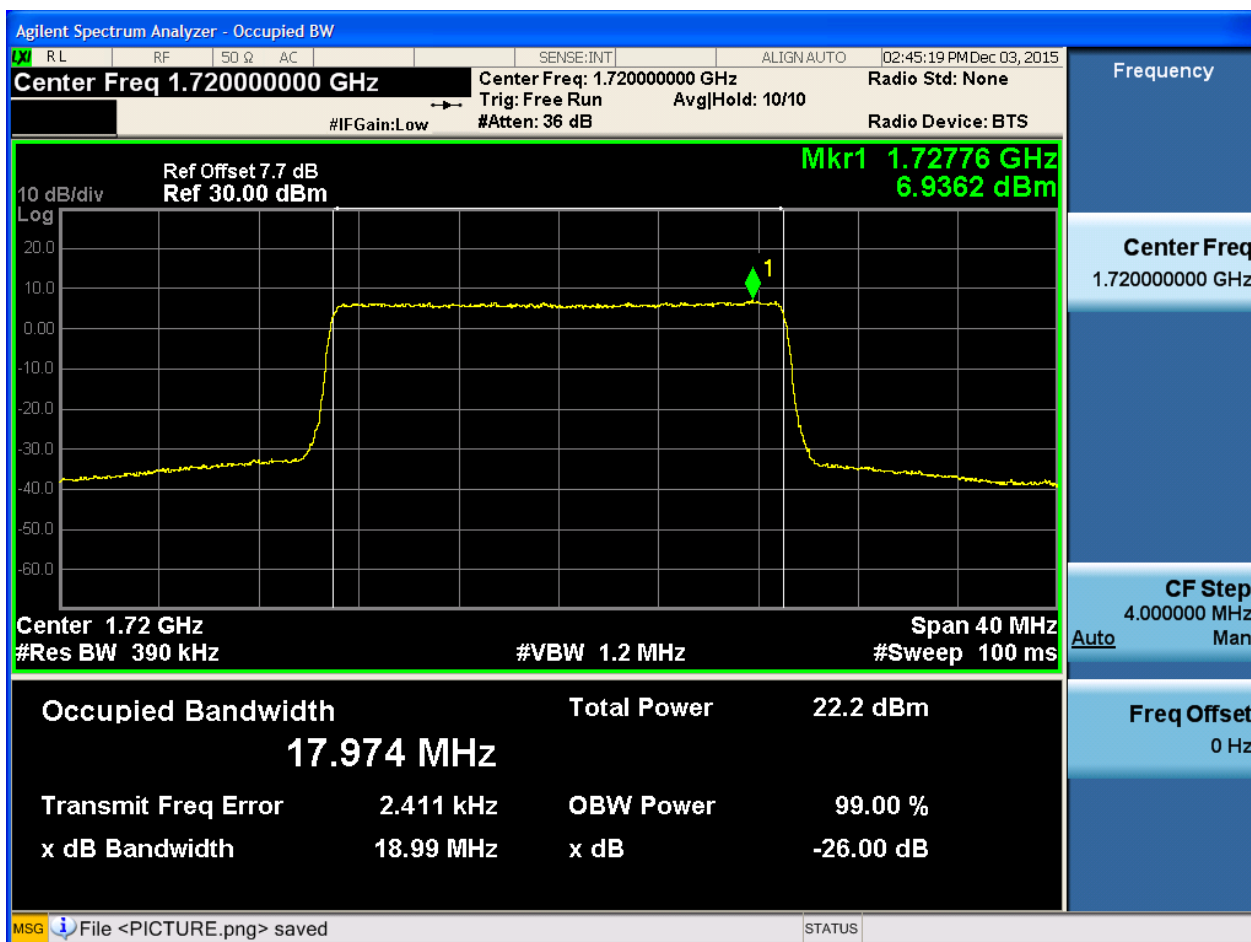
4.1.1.1.5.3.1 Test RB = RB75#0



4.1.1.1.6 Test Bandwidth = 20

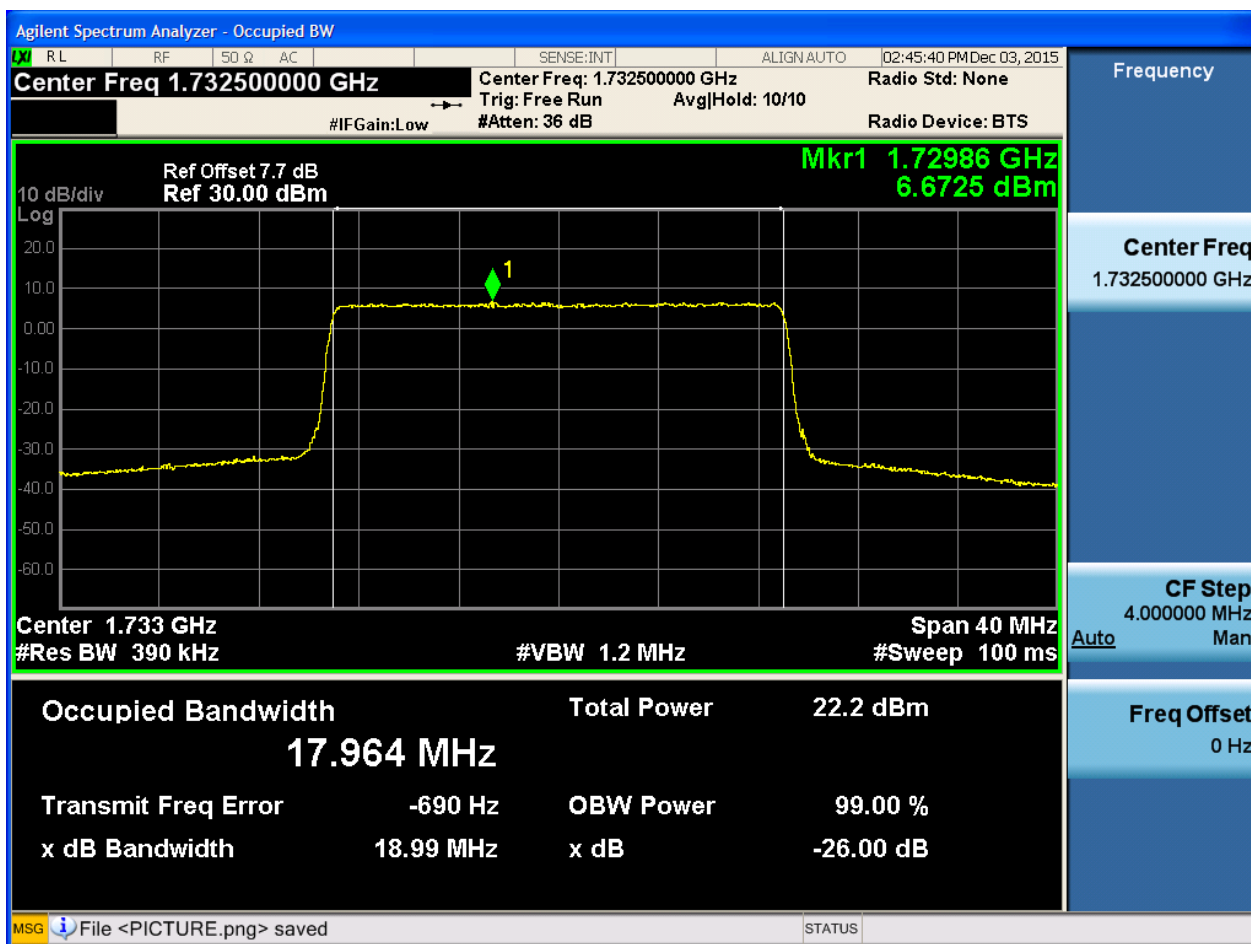
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



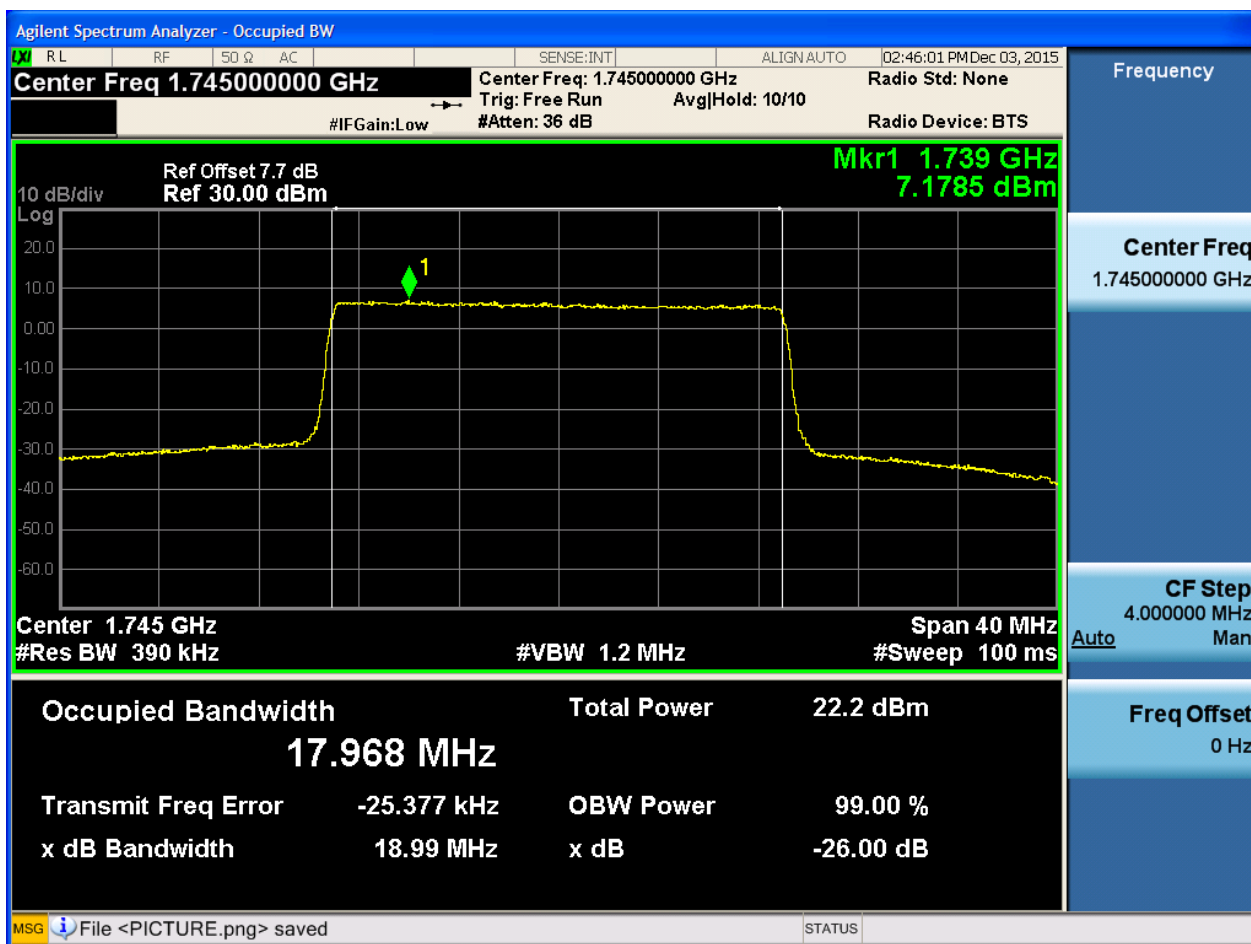
4.1.1.1.6.2 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB100#0



4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0

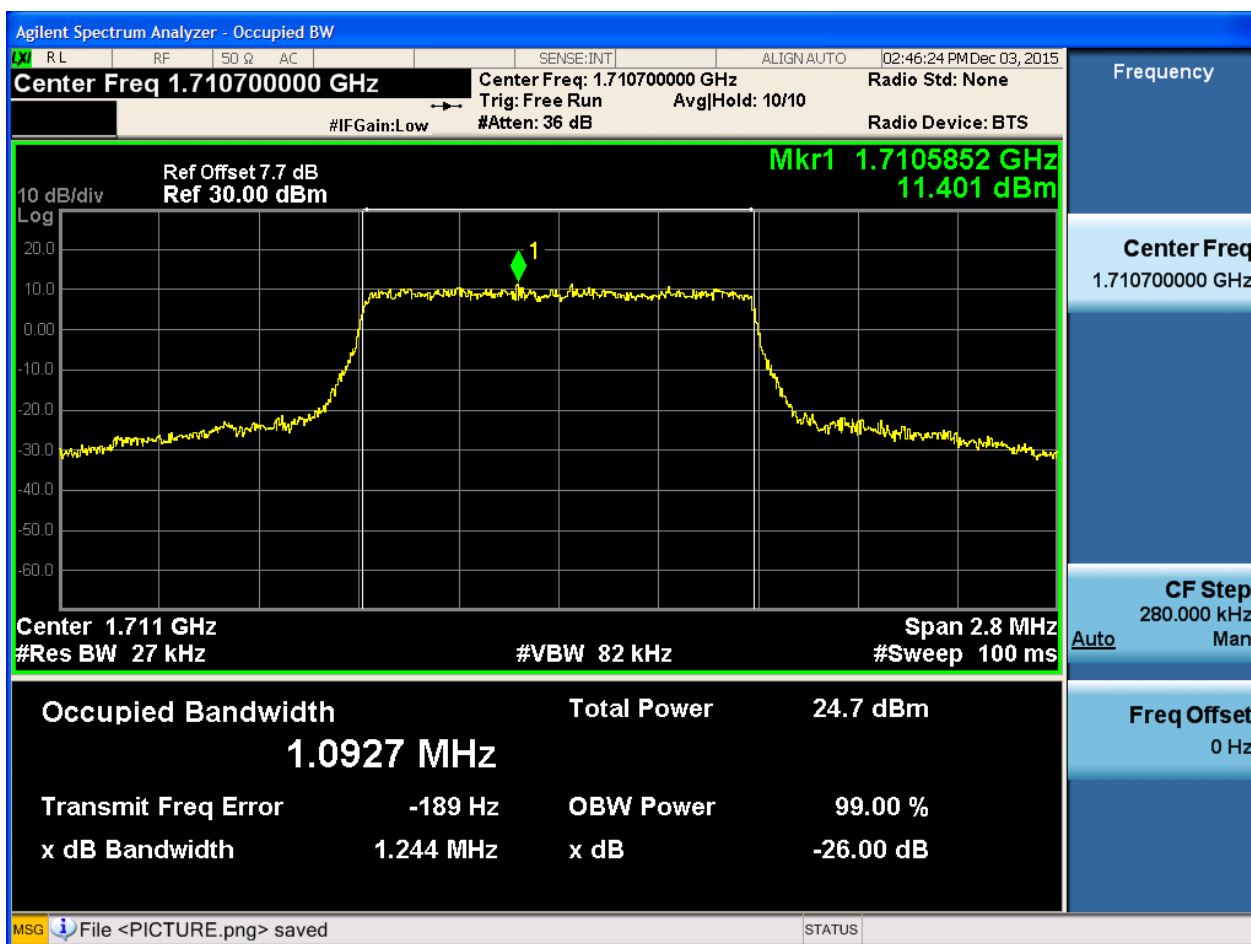


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

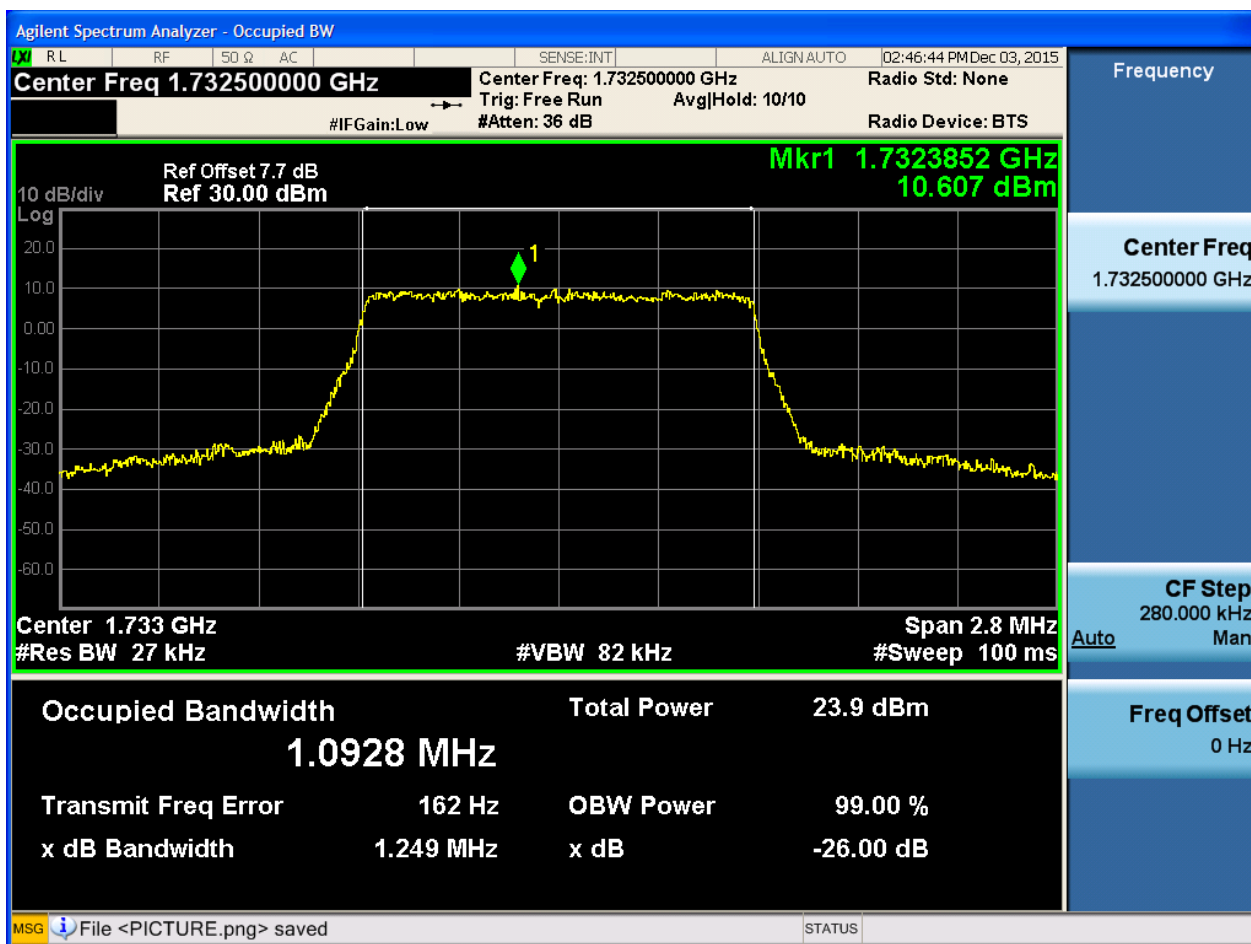
4.1.1.2.1.1.1 Test RB = RB6#0





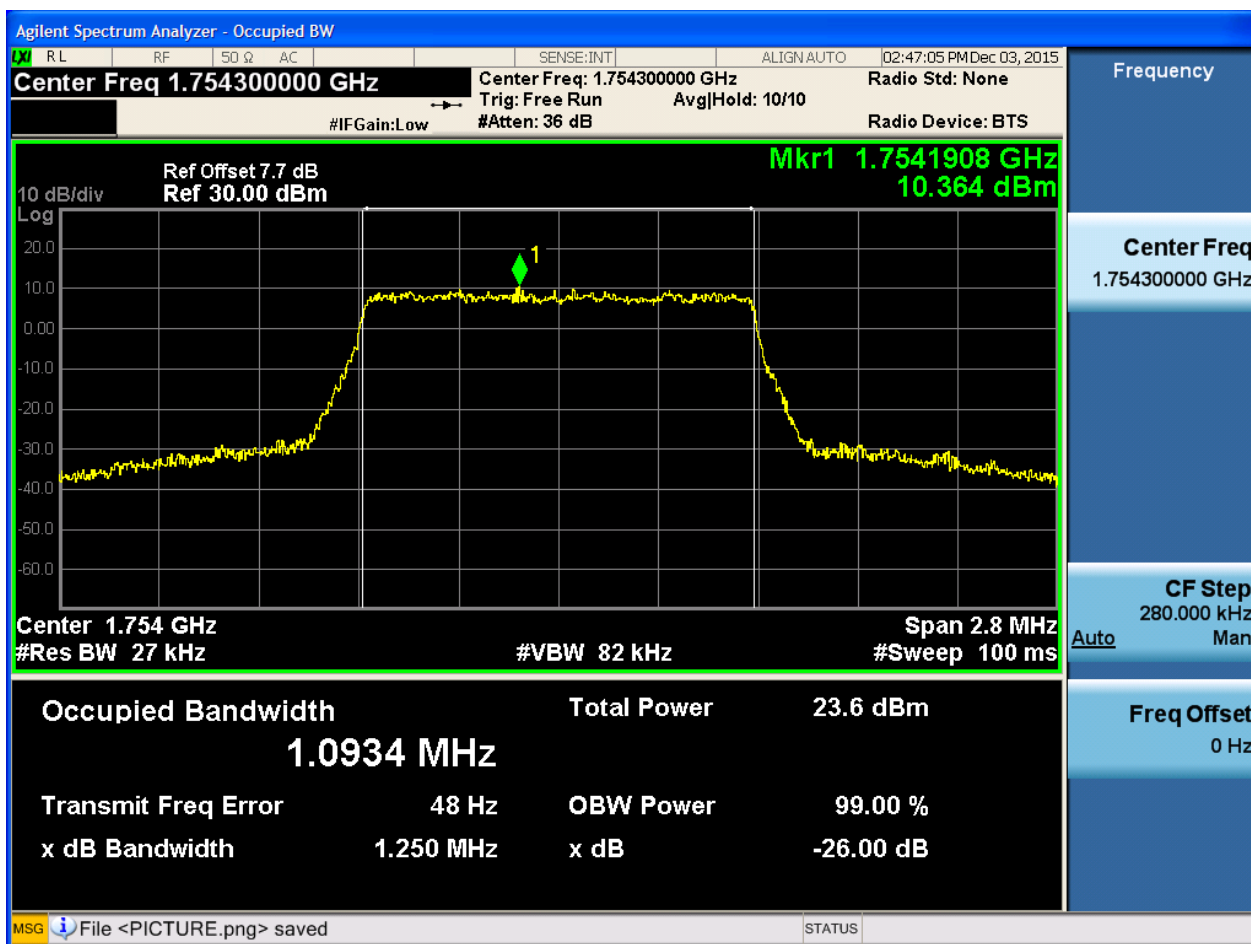
4.1.1.2.1.2 Test Channel = MCH

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

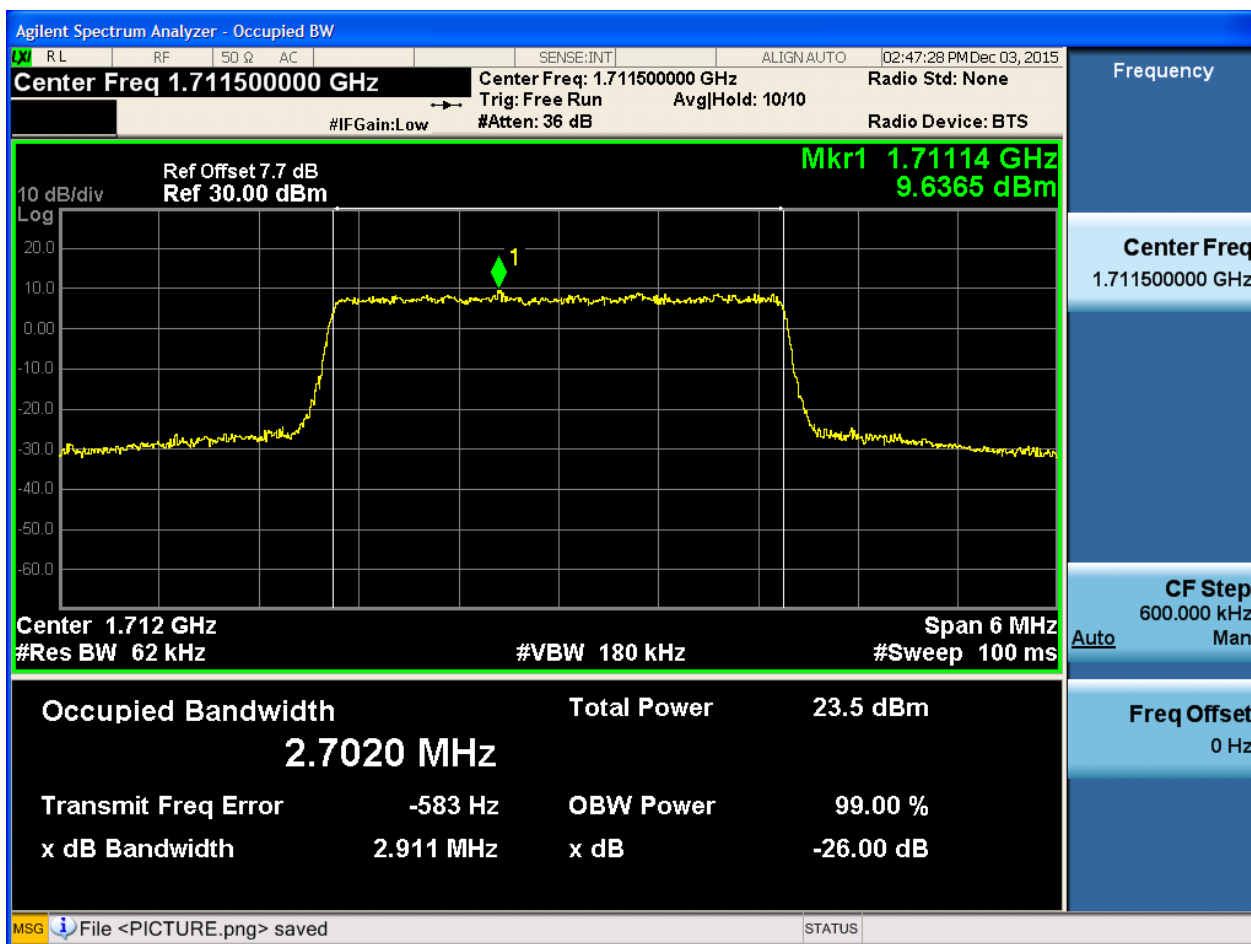




4.1.1.2.2 Test Bandwidth = 3

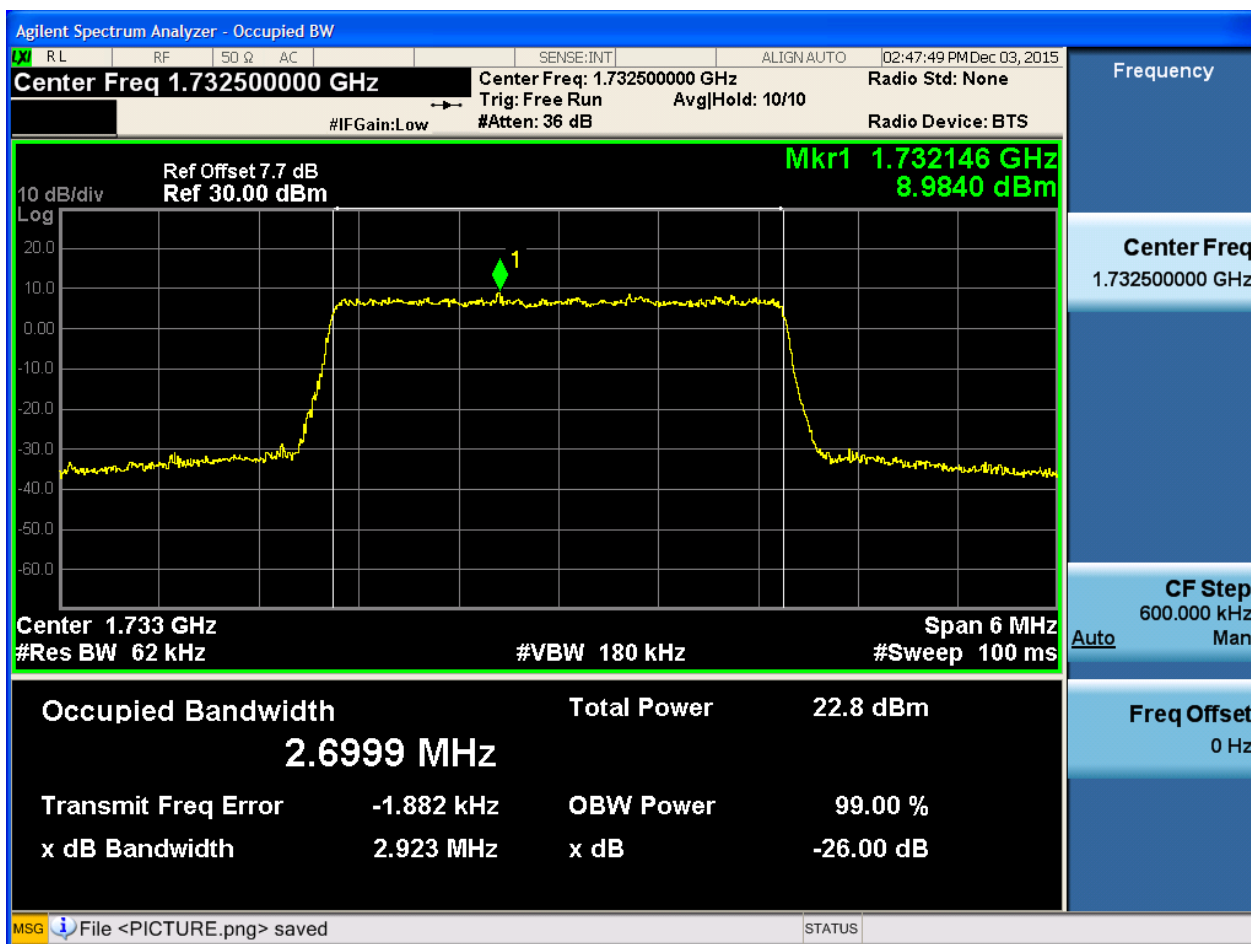
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



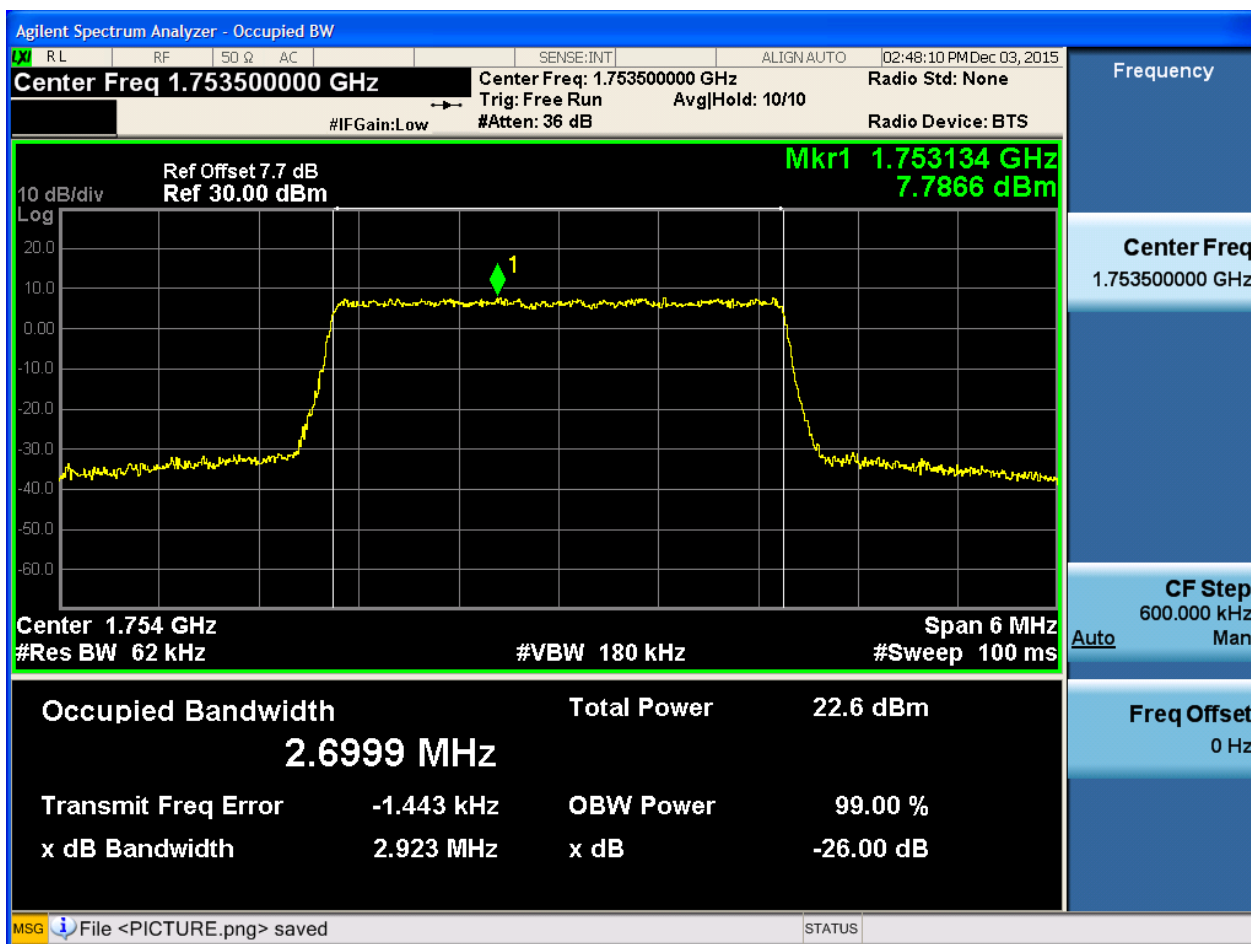
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

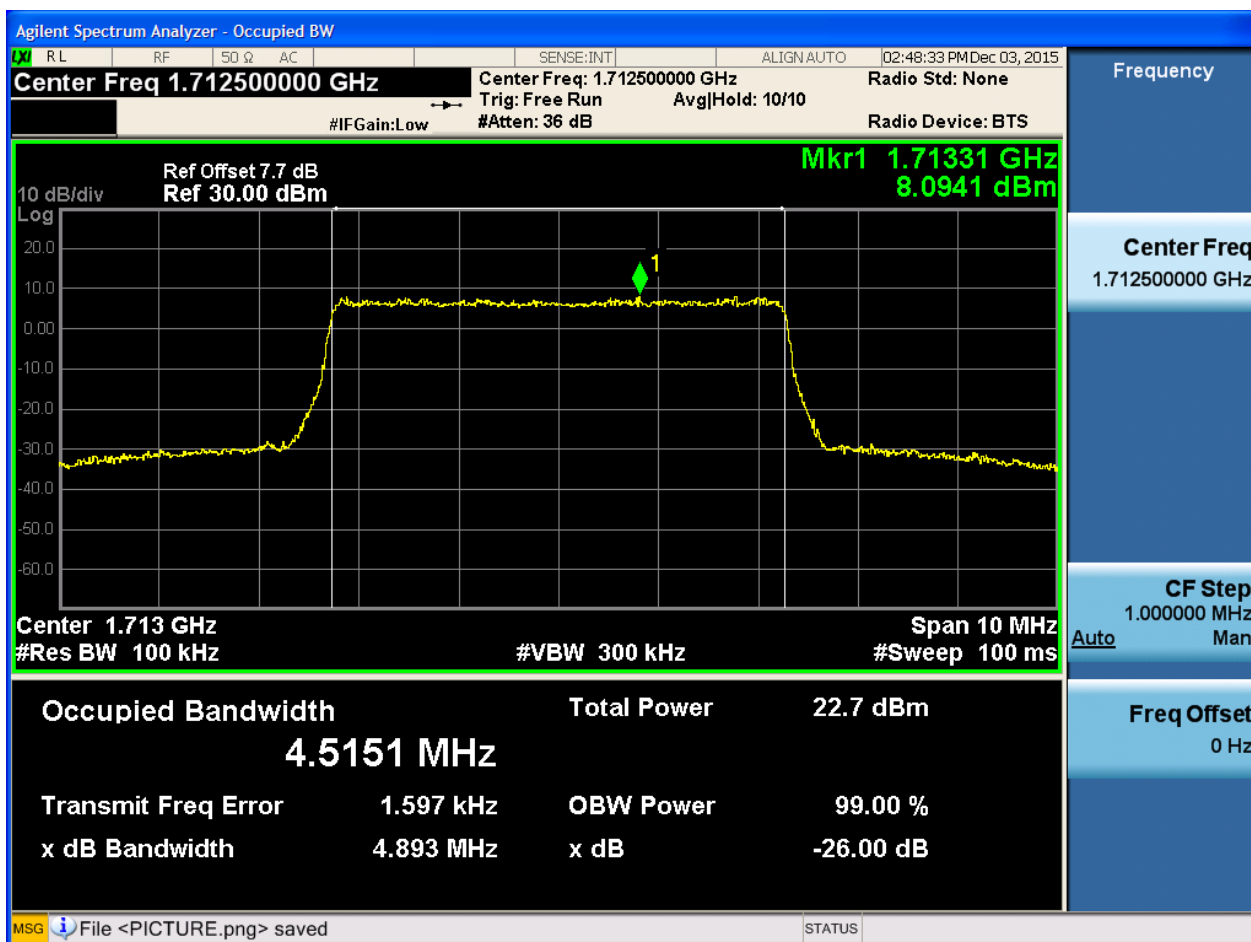
4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

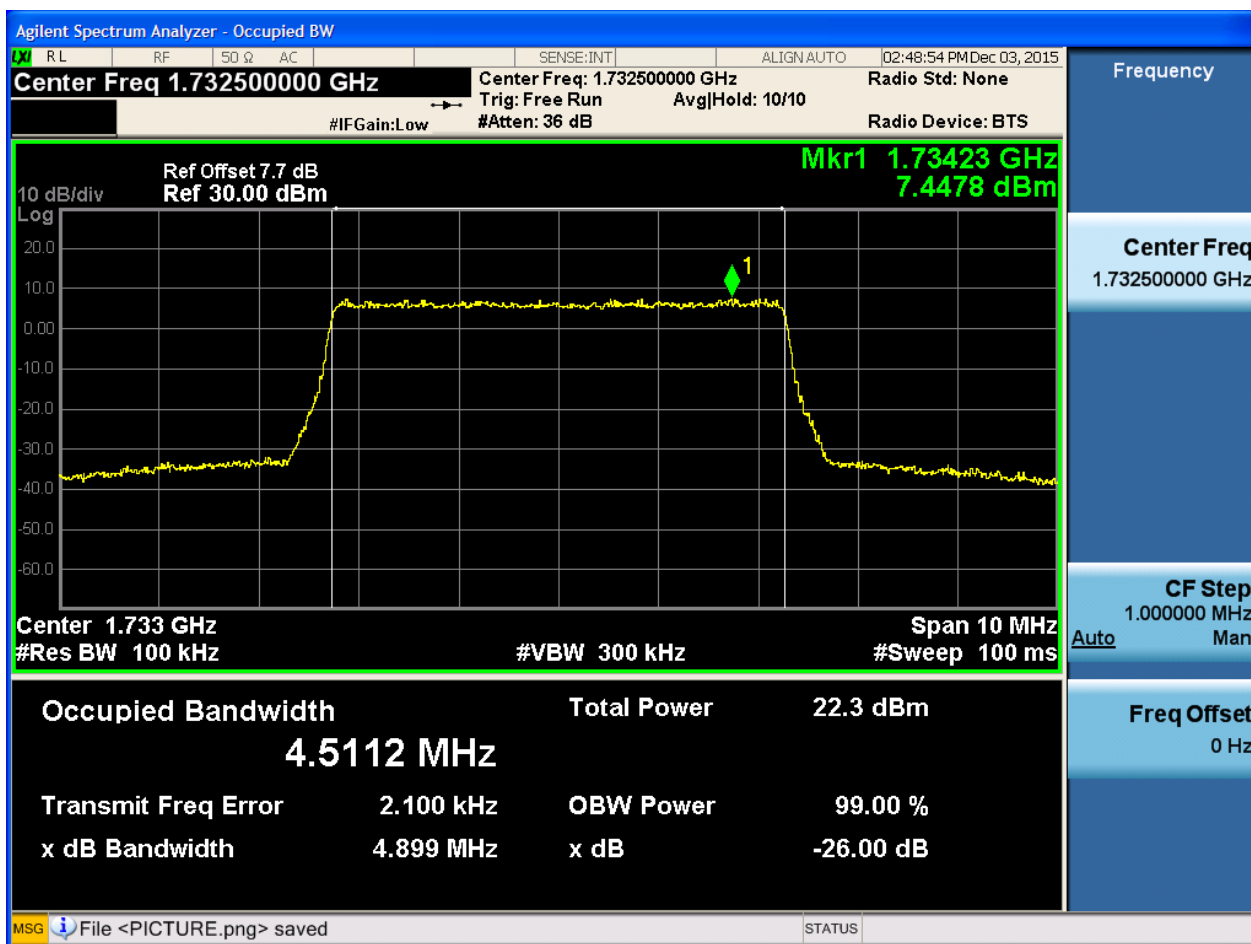
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



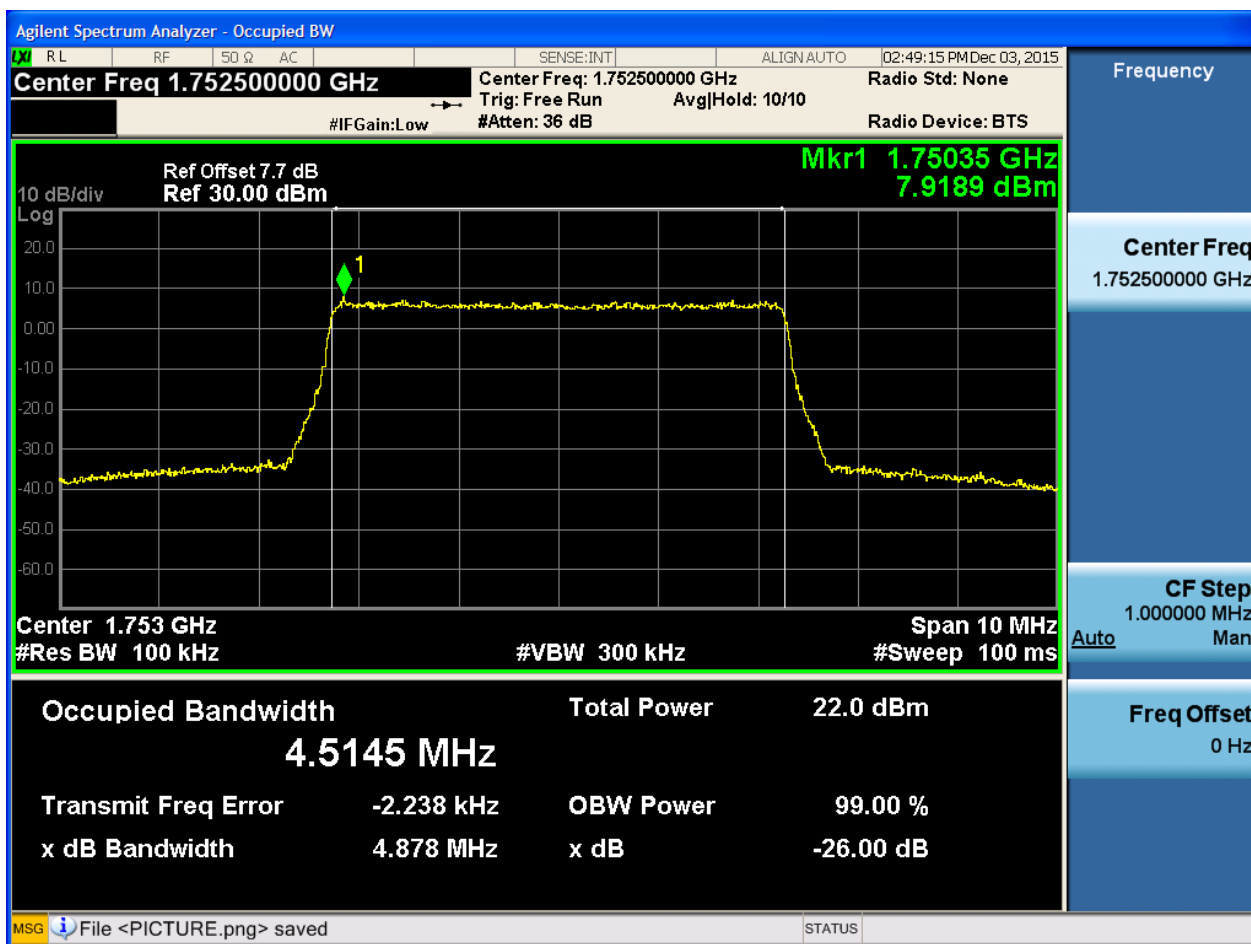
4.1.1.2.3.2 Test Channel = MCH

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

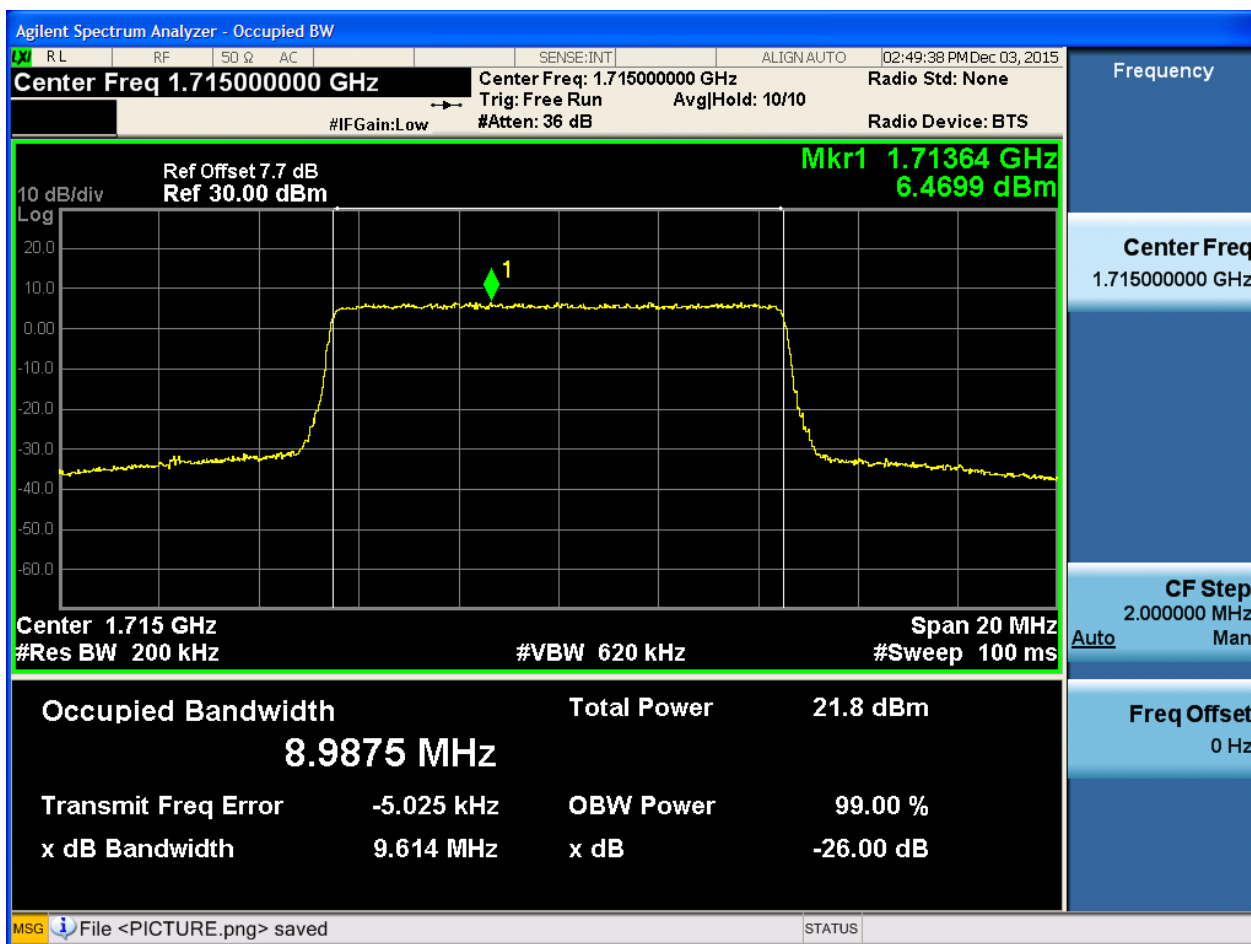




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

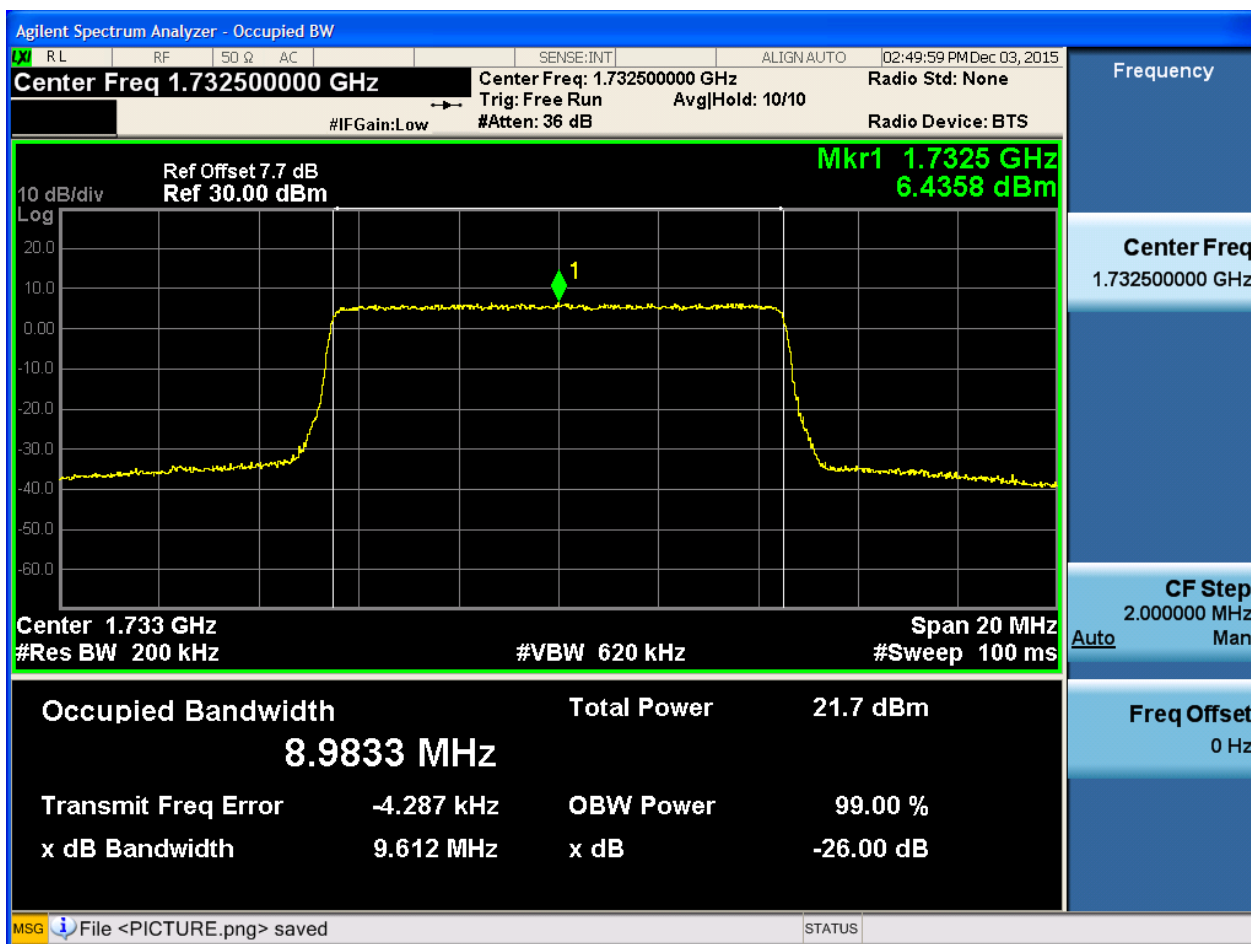
4.1.1.2.4.1.1 Test RB = RB50#0





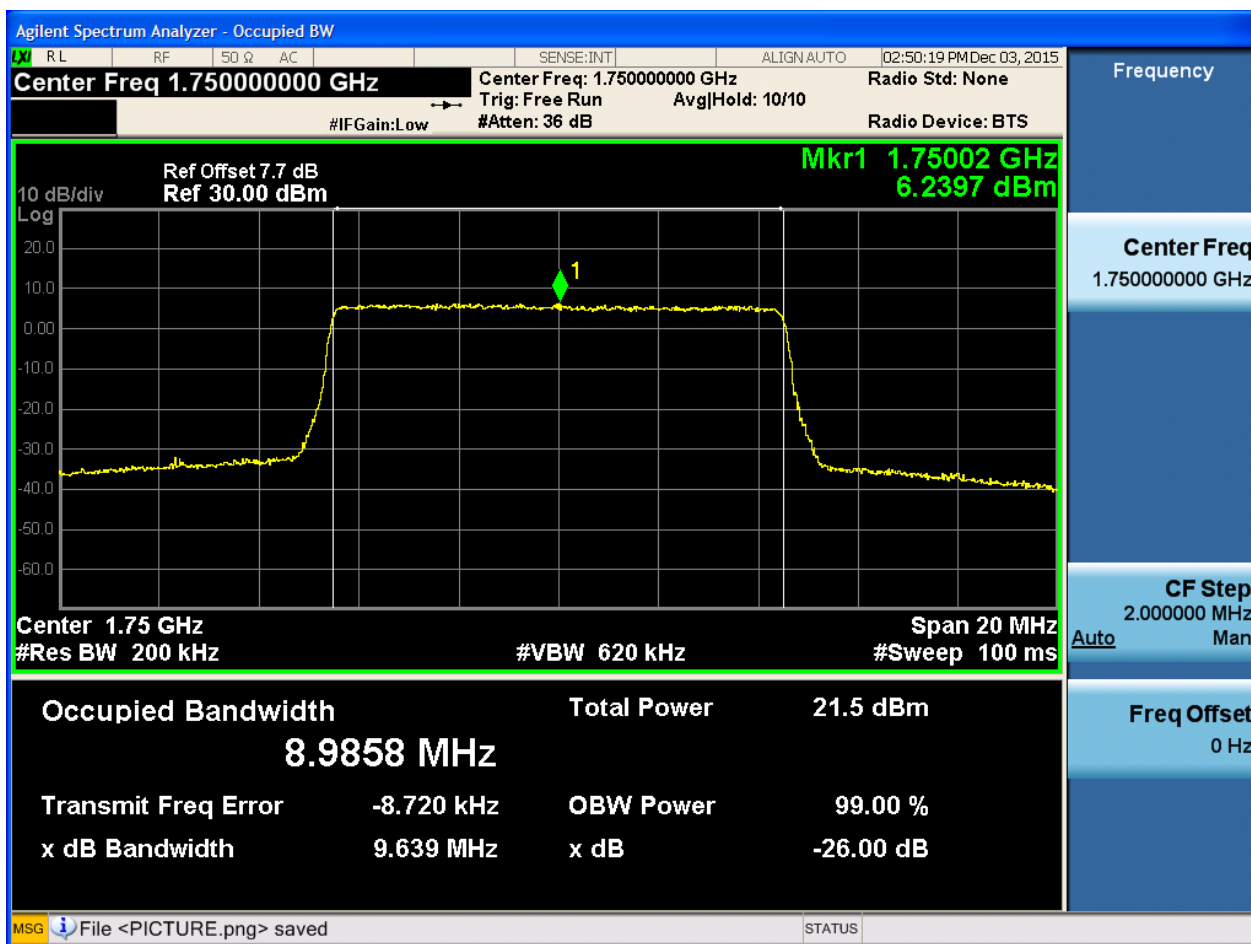
4.1.1.2.4.2 Test Channel = MCH

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

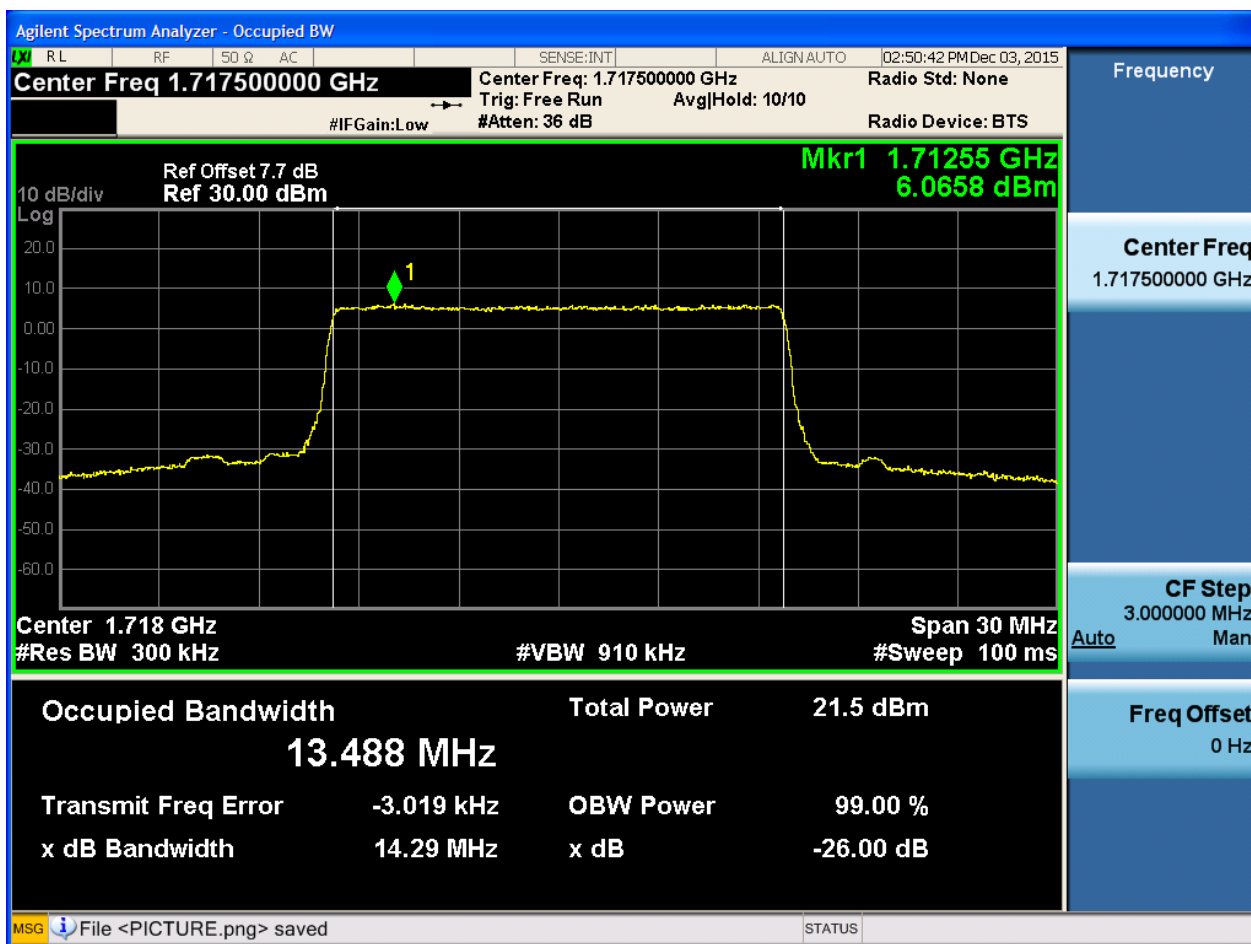




4.1.1.2.5 Test Bandwidth = 15

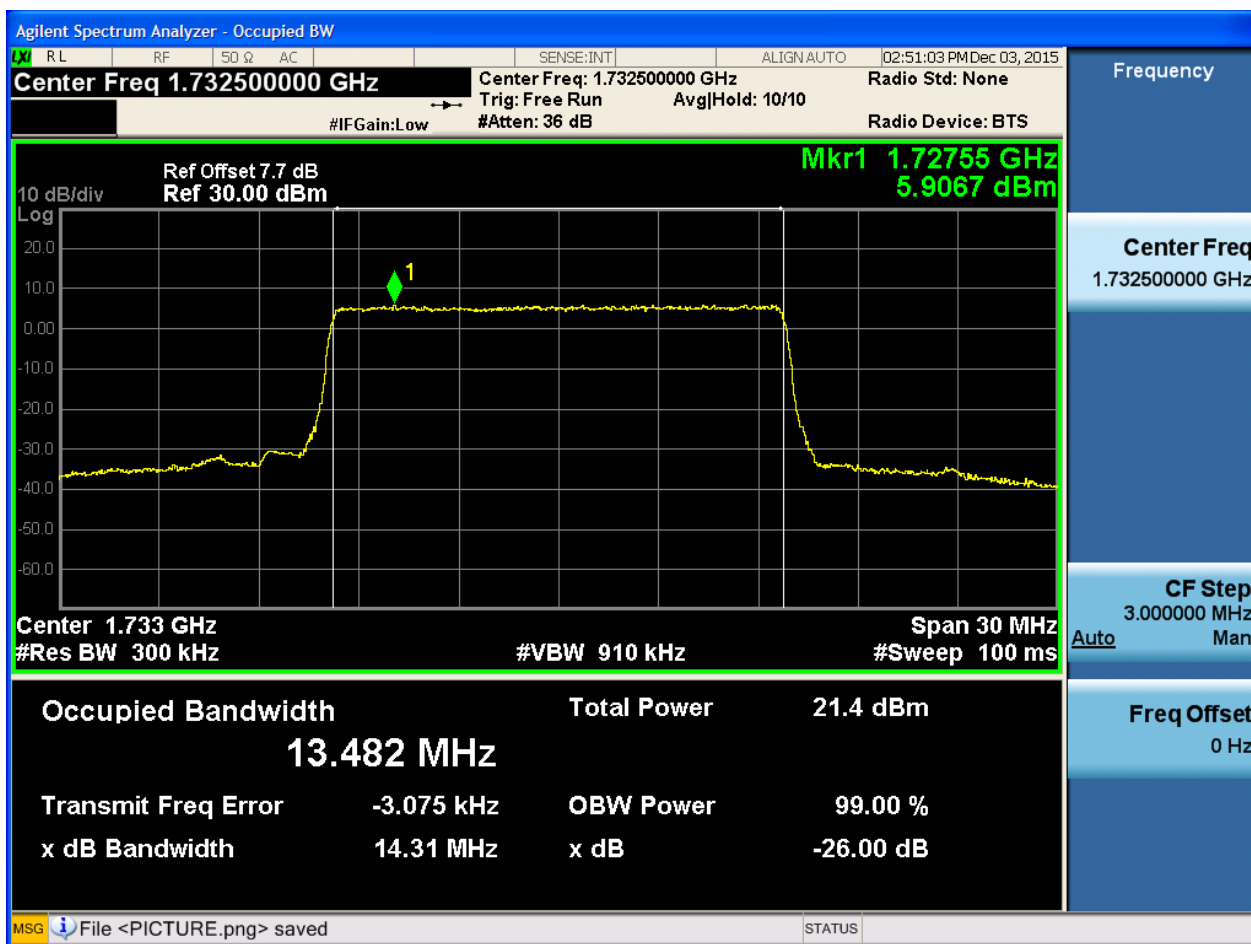
4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



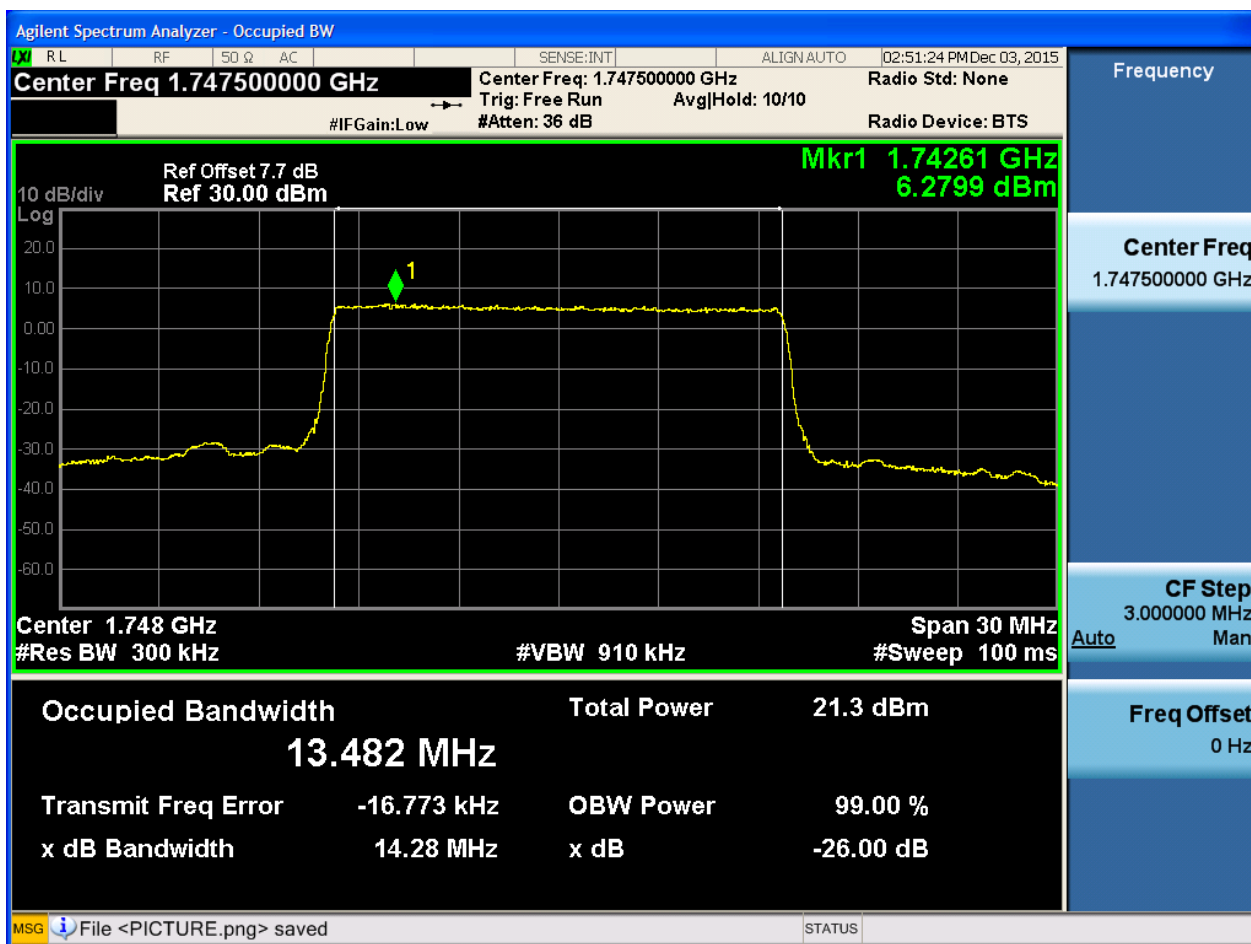
4.1.1.2.5.2 Test Channel = MCH

4.1.1.2.5.2.1 Test RB = RB75#0



4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

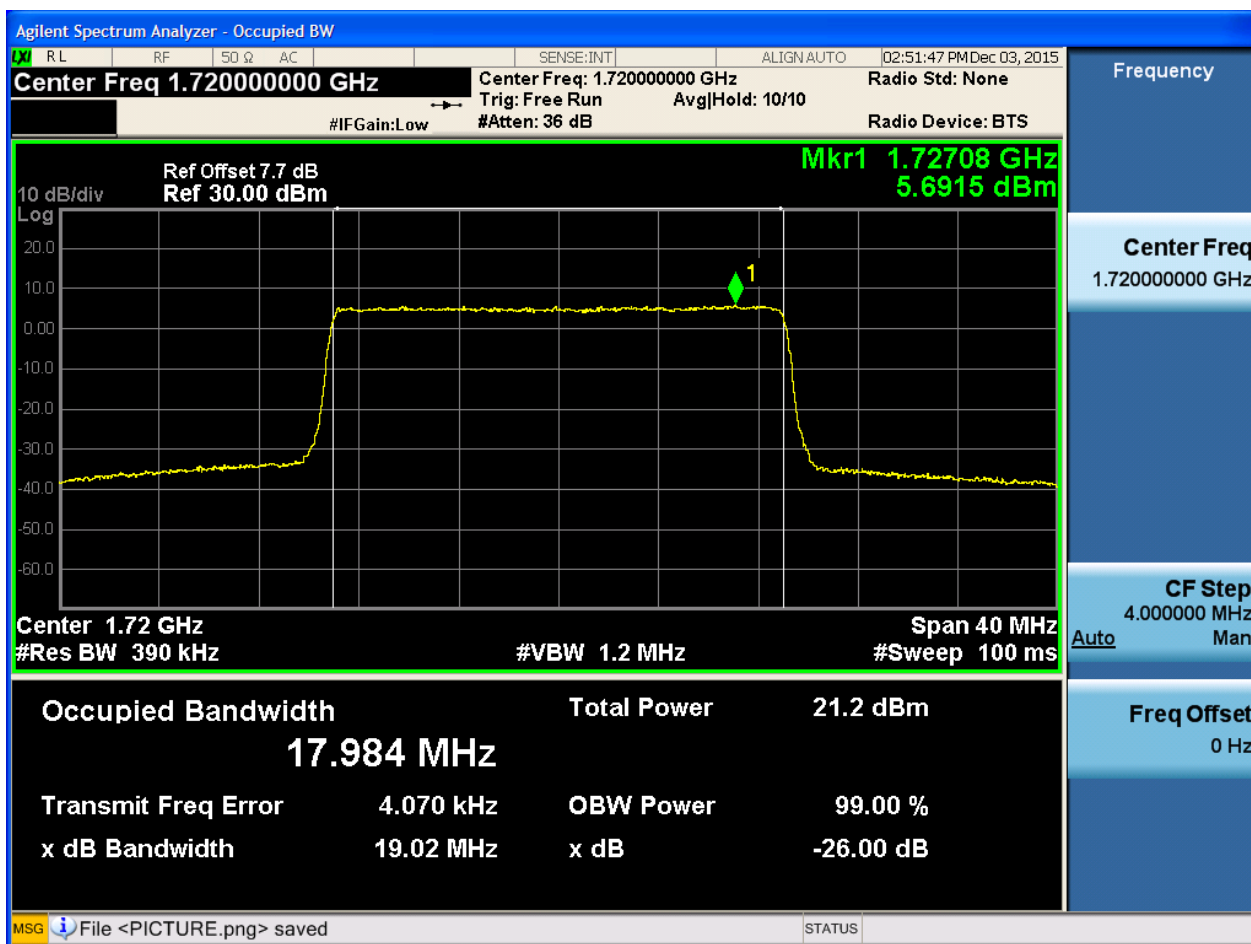




4.1.1.2.6 Test Bandwidth = 20

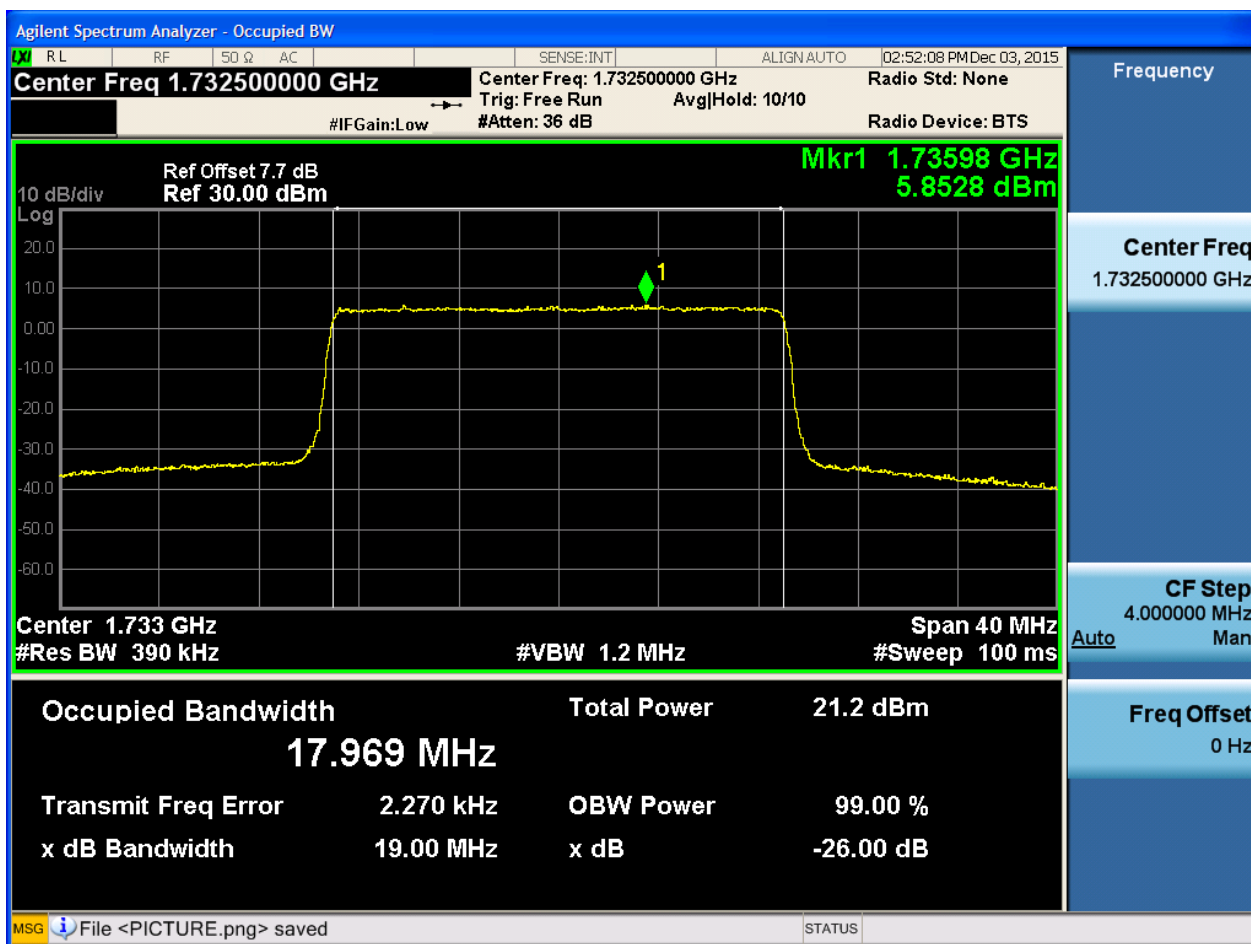
4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0



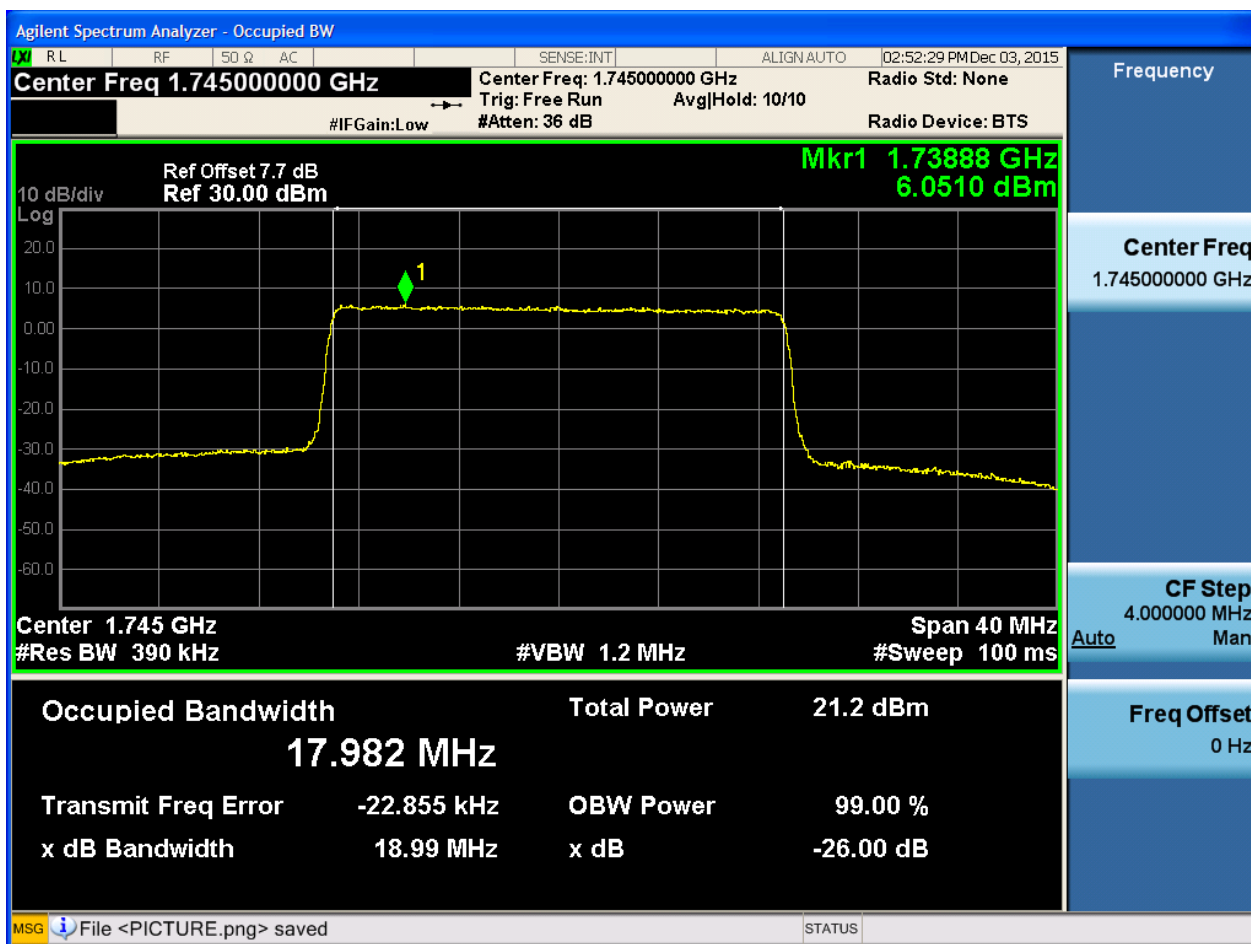
4.1.1.2.6.2 Test Channel = MCH

4.1.1.2.6.2.1 Test RB = RB100#0



4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

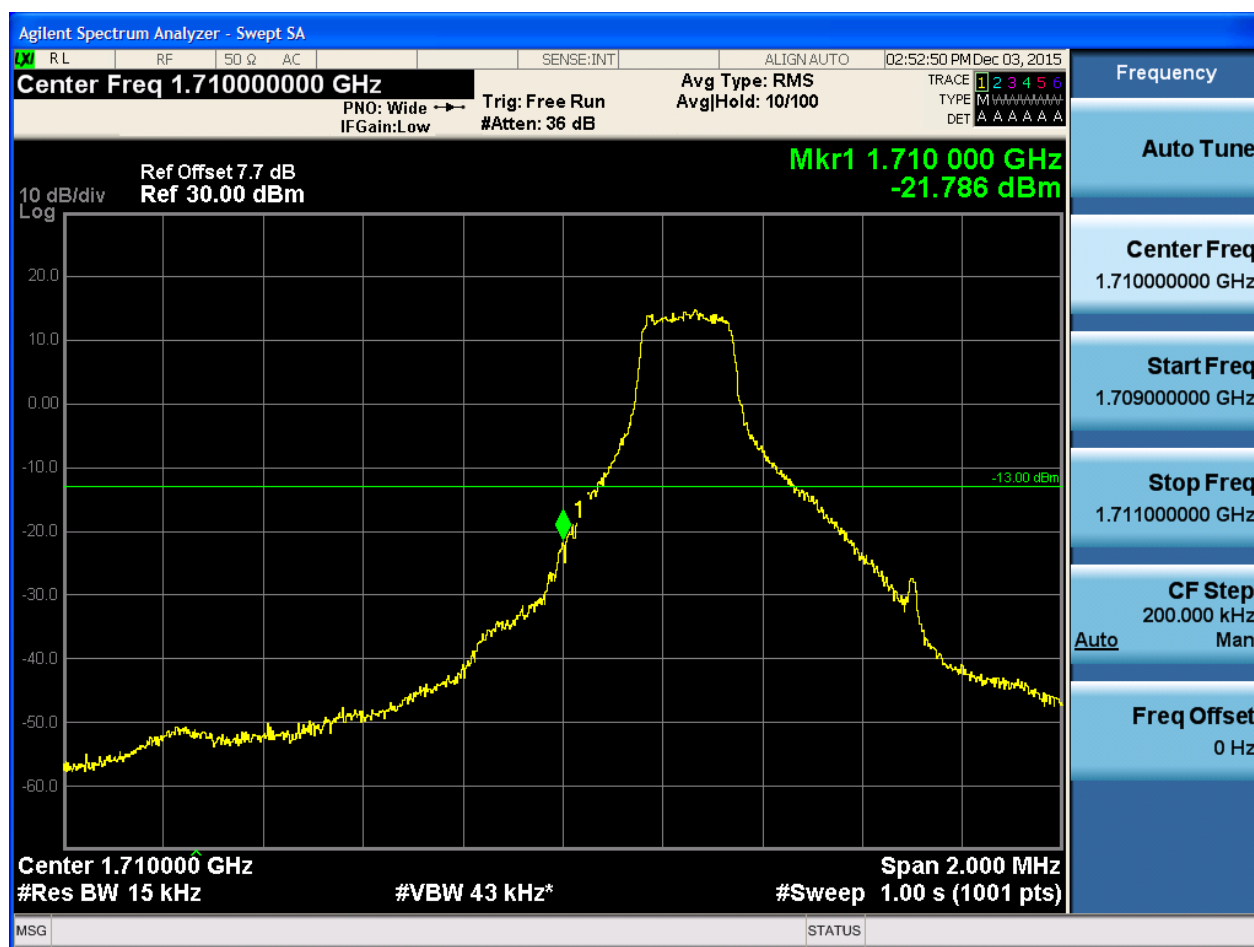
5.1.1 Test Band = BAND4

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



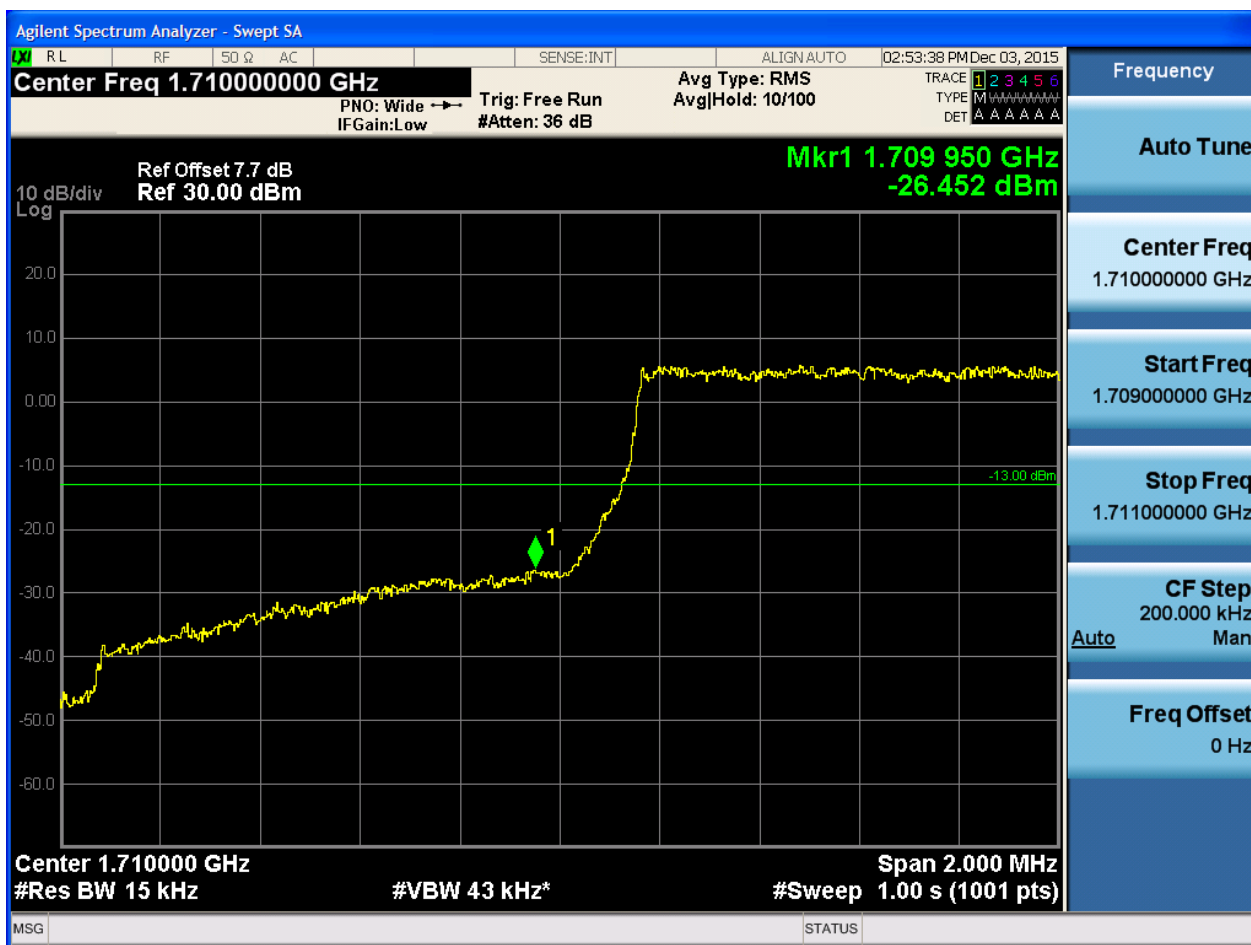


5.1.1.1.1.3 Test RB = RB3#2





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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-28.330 dBm

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 10/100

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

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

Center 1.755000 GHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG STATUS



5.1.1.1.2.3 Test RB = RB3#2





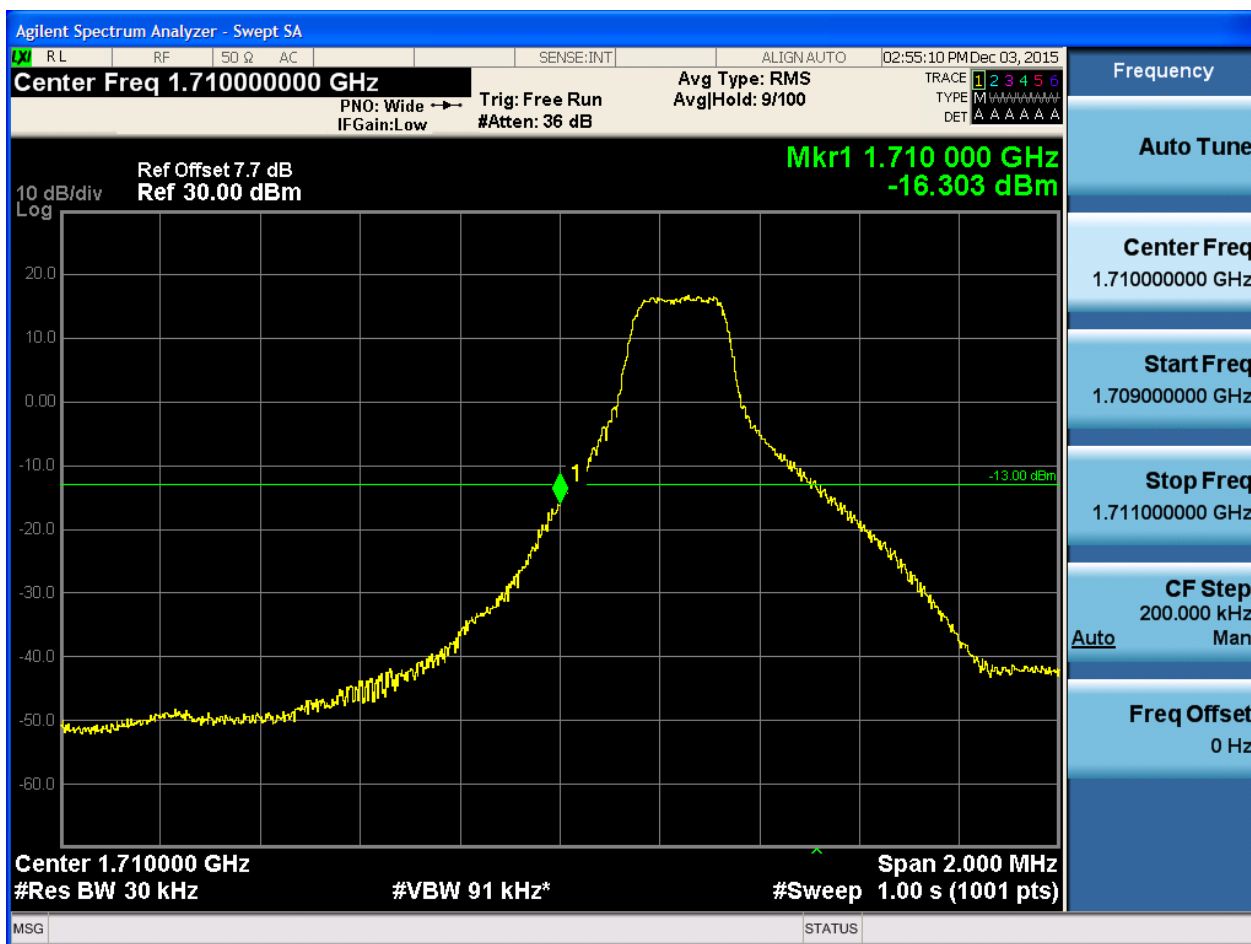
5.1.1.1.2.4 Test RB = RB6#0



5.1.1.1.2 Test Bandwidth = 3

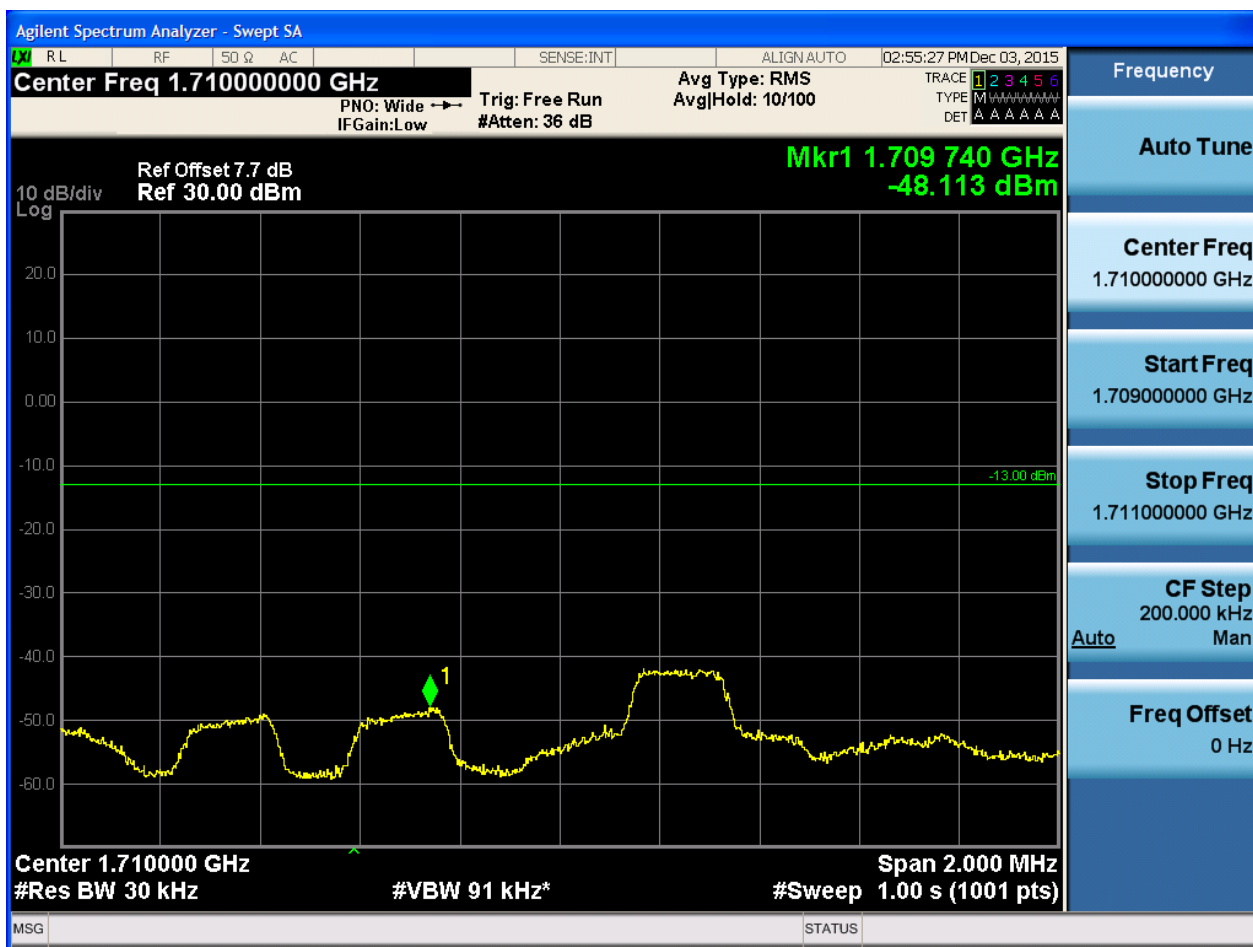
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14



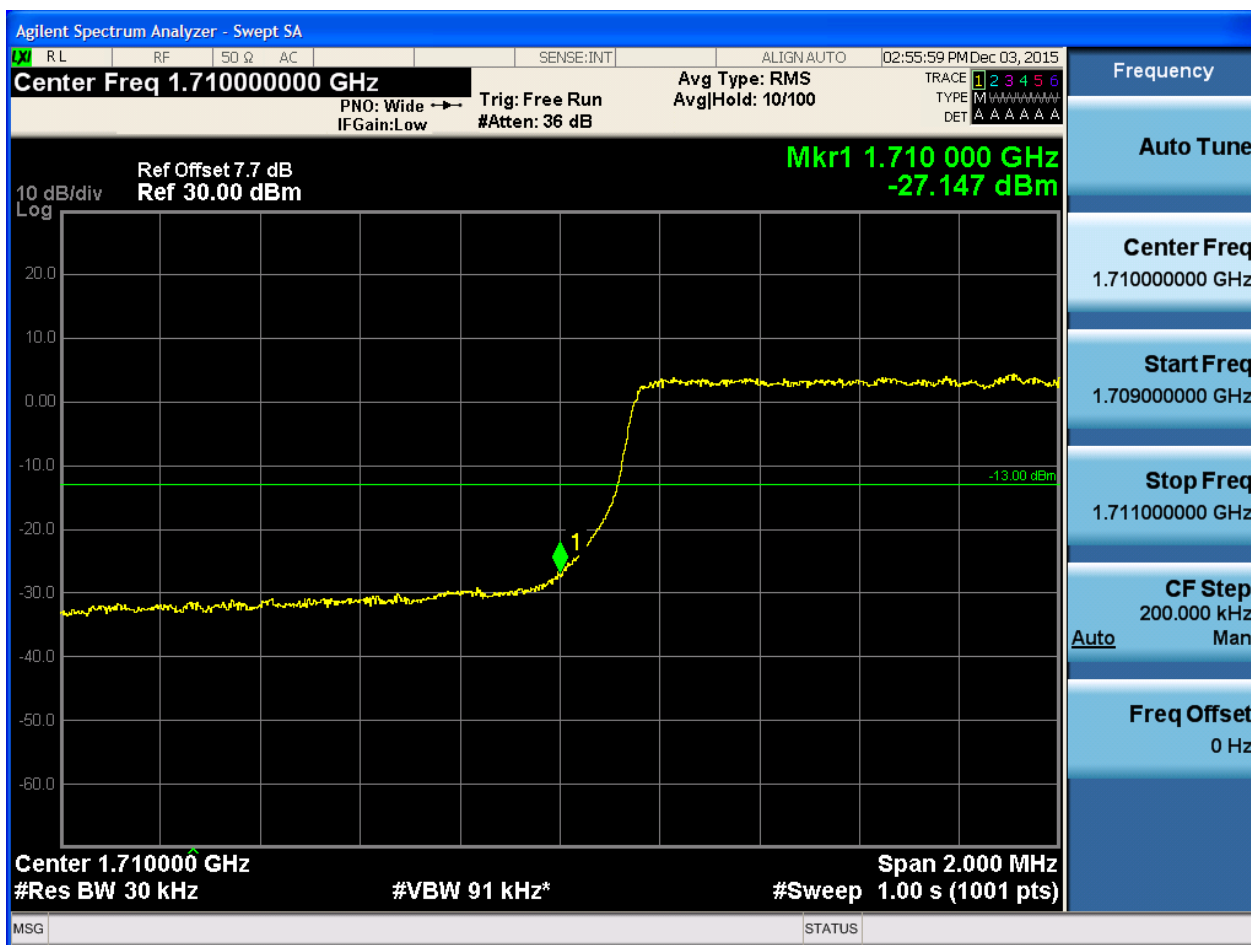


5.1.1.1.2.1.3 Test RB = RB8#4





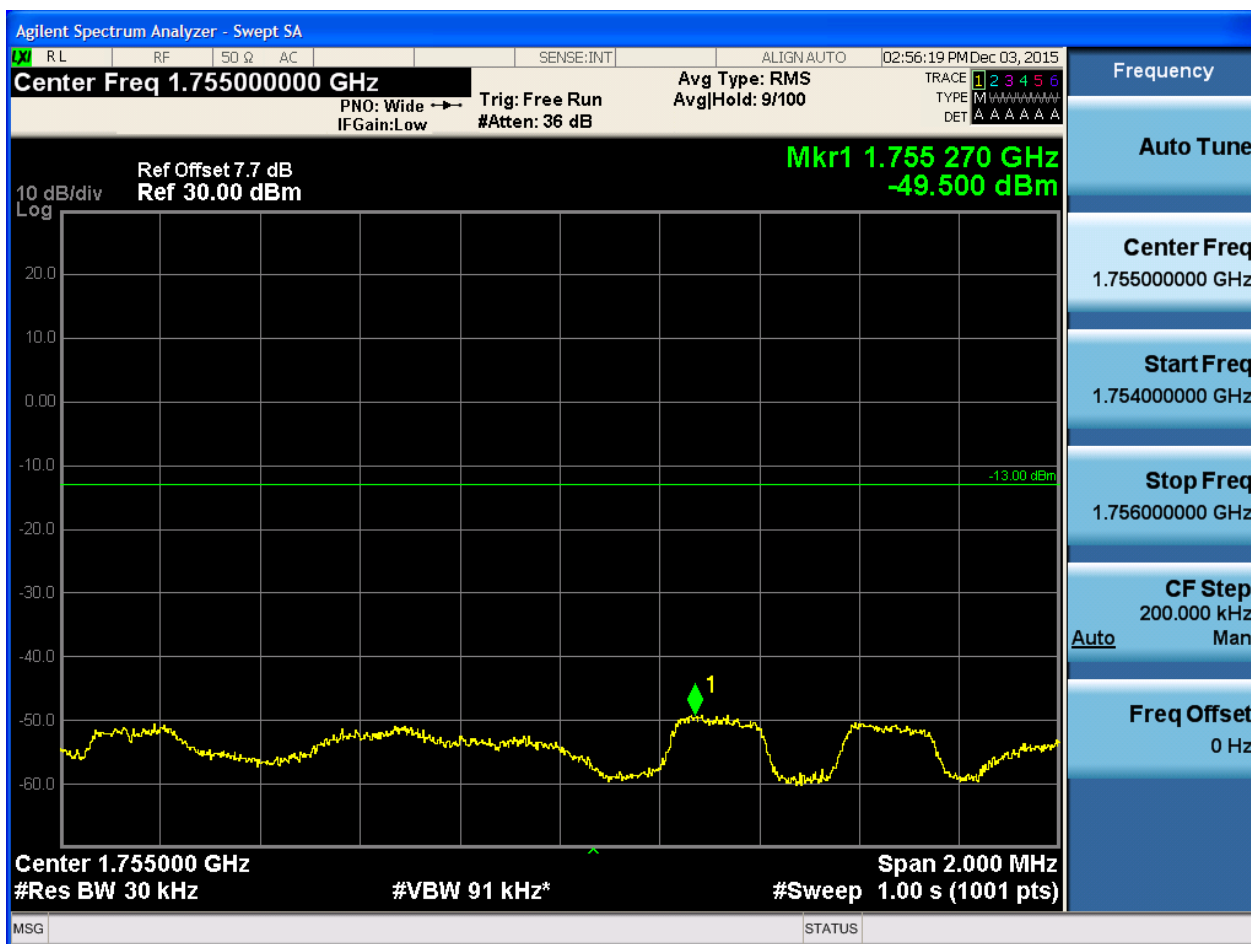
5.1.1.1.2.1.4 Test RB = RB15#0





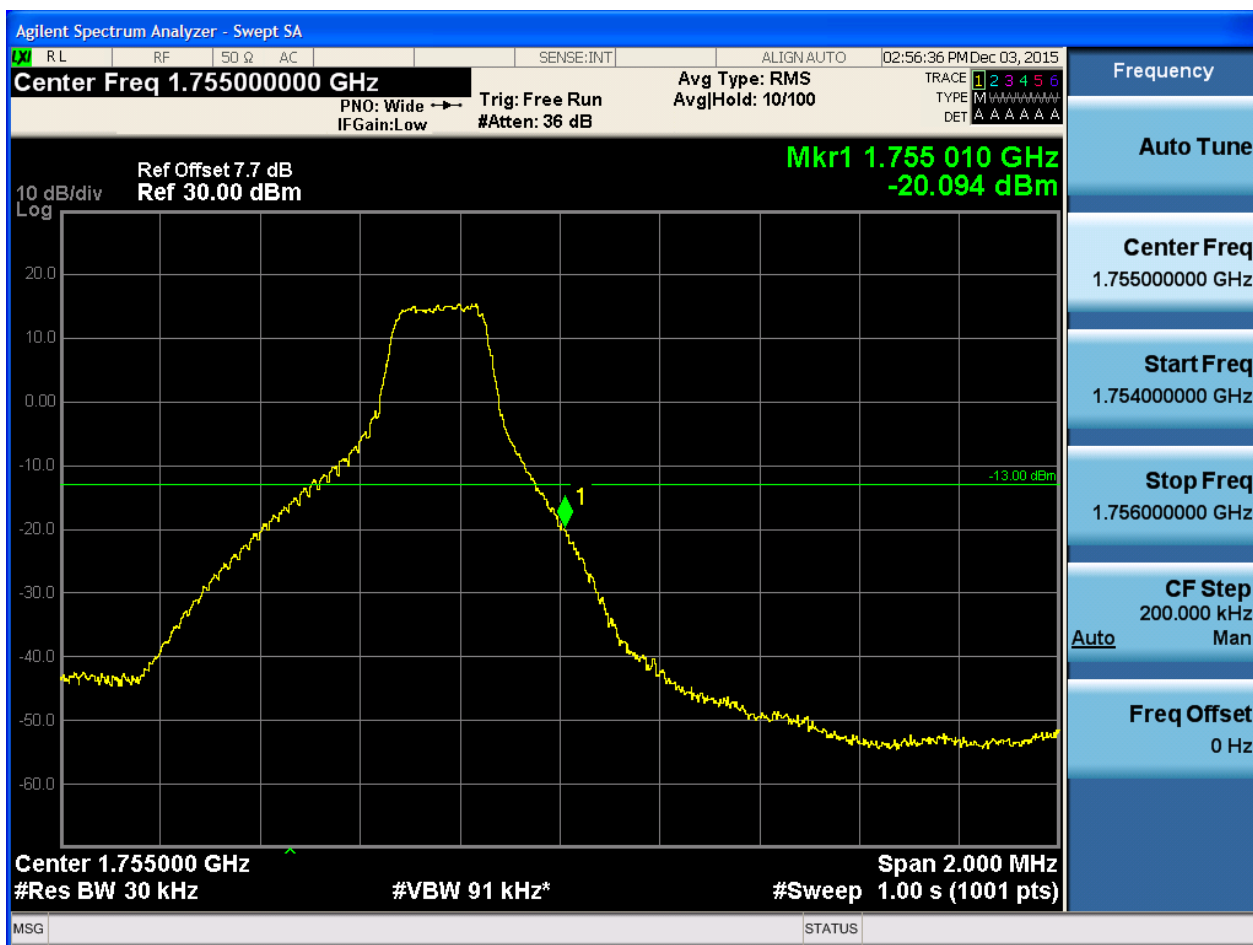
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

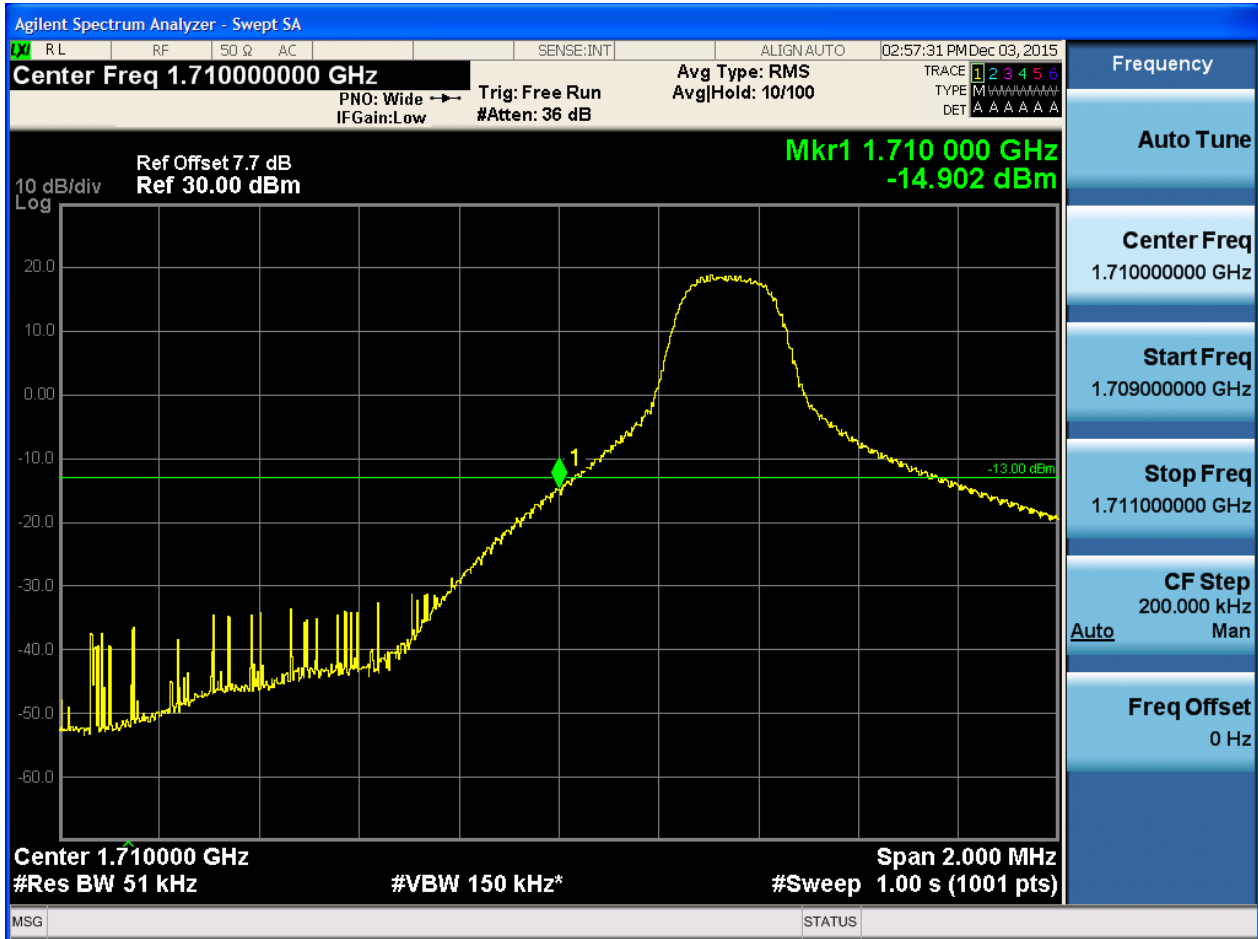




5.1.1.1.3 Test Bandwidth = 5

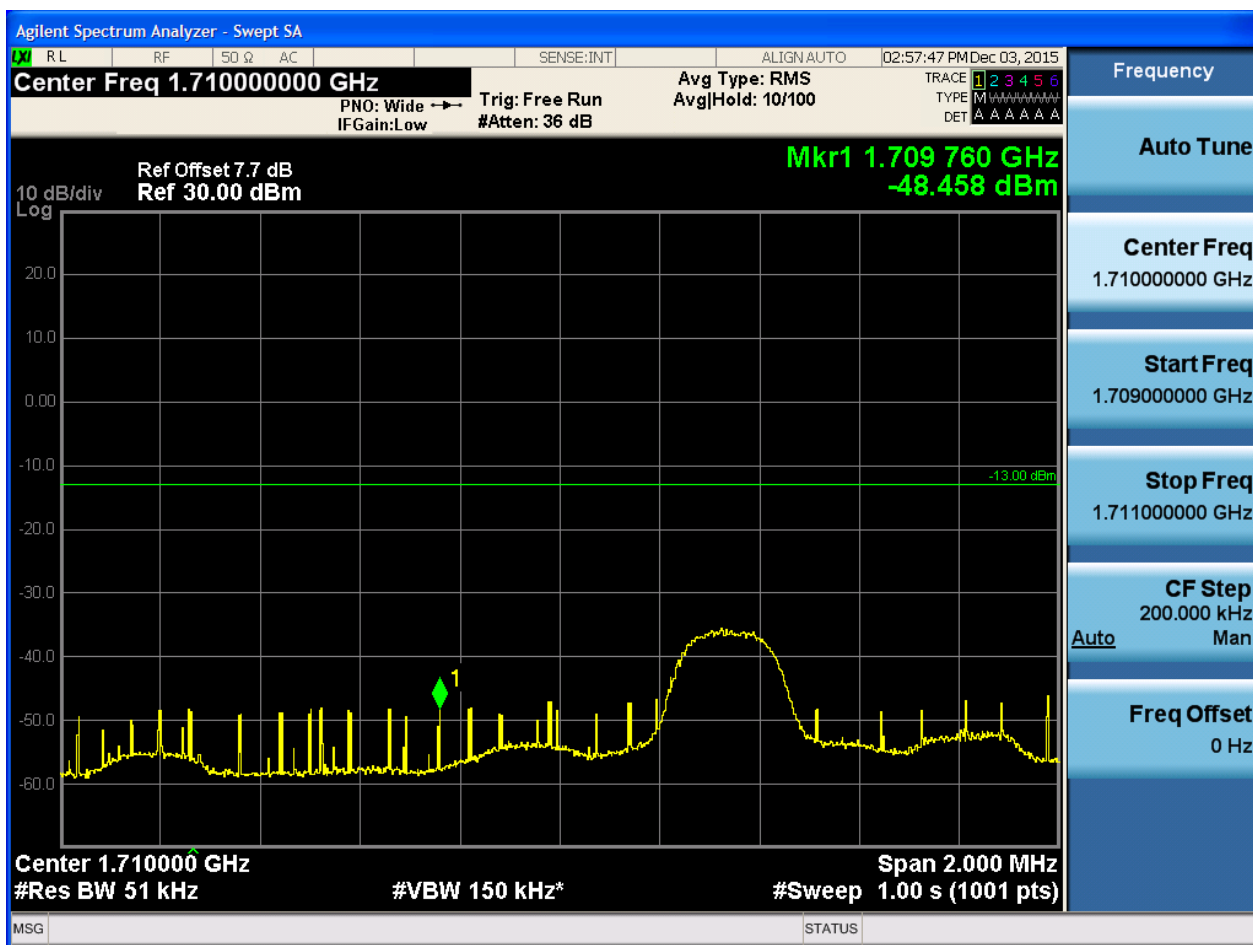
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



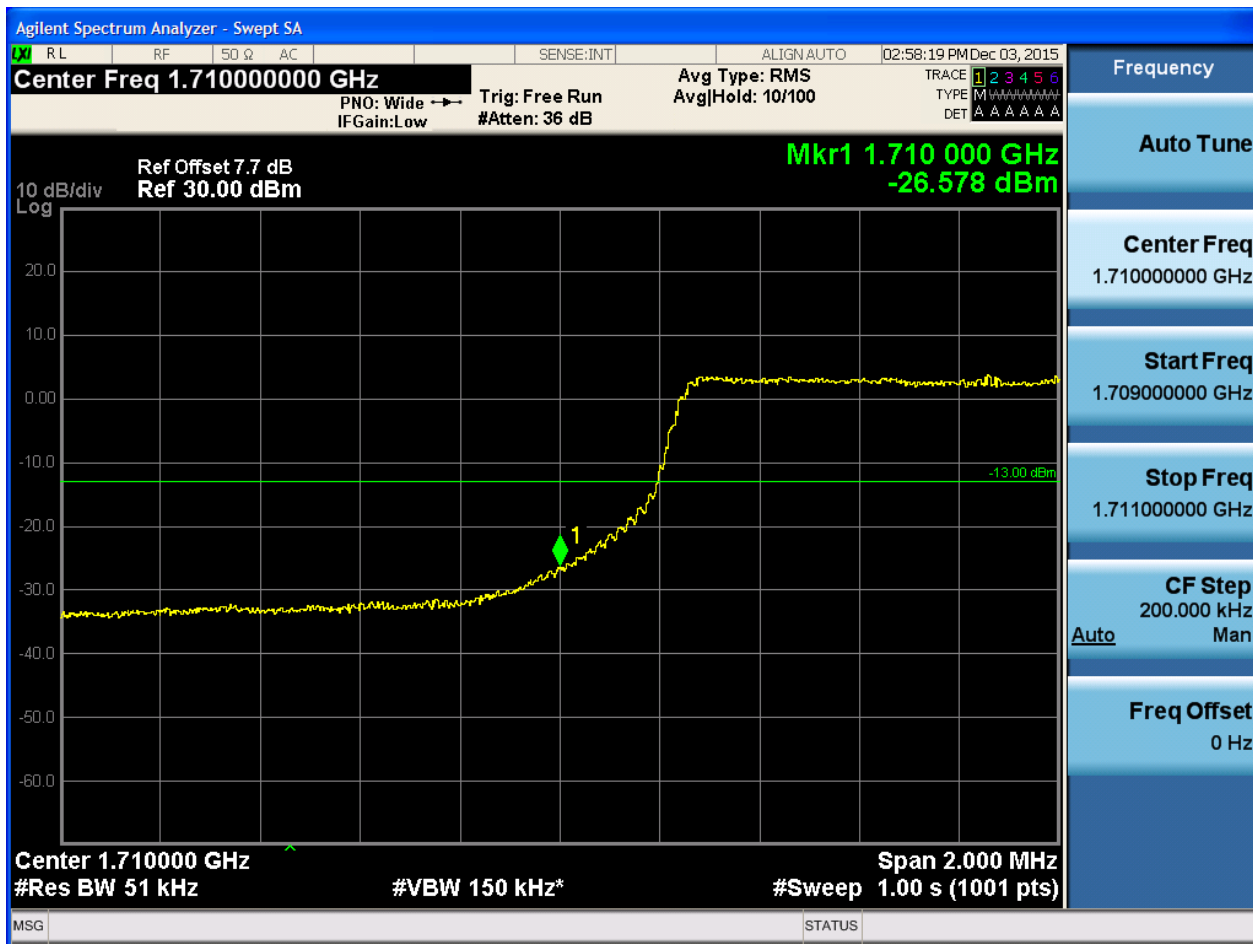


5.1.1.1.3.1.3 Test RB = RB12#6





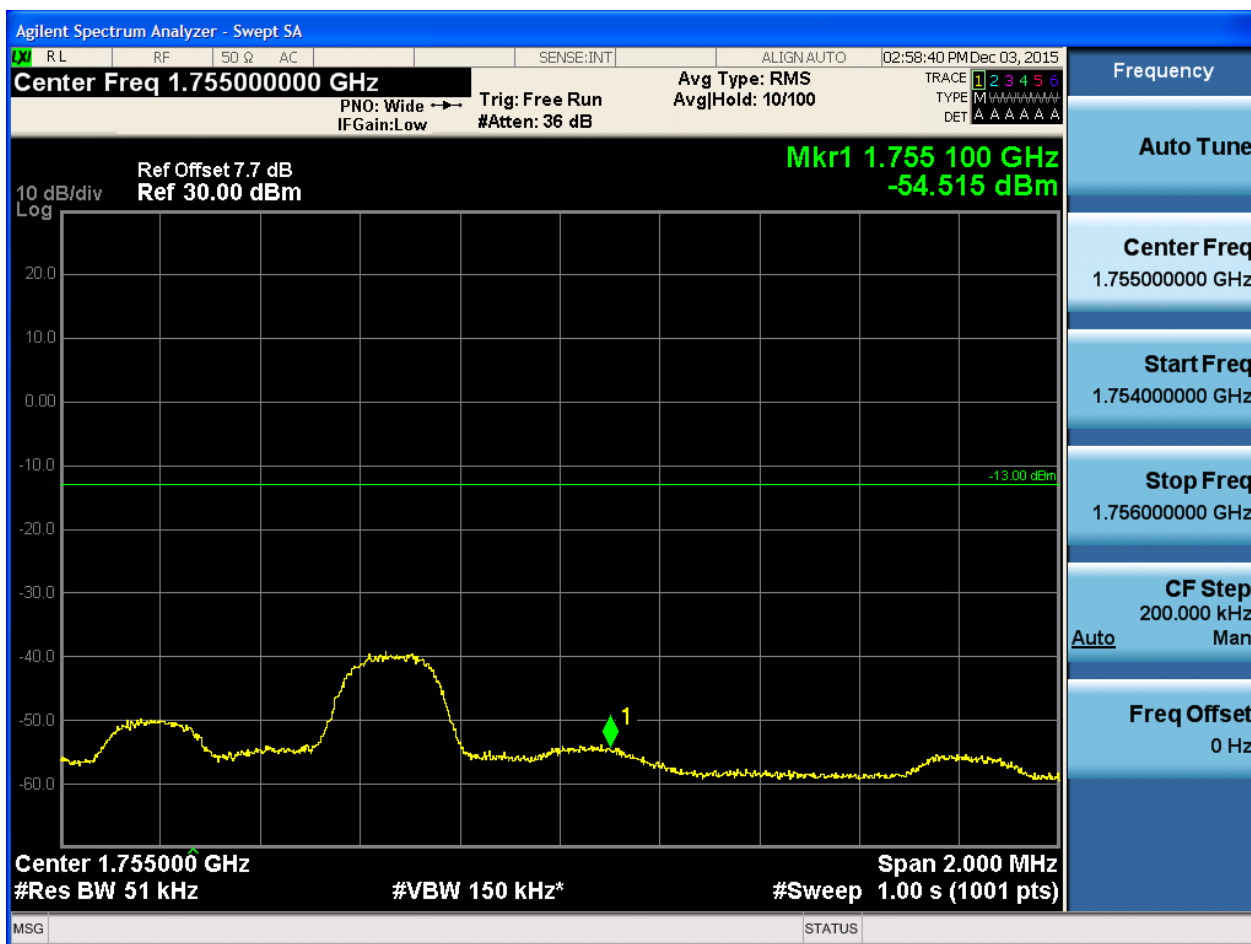
5.1.1.1.3.1.4 Test RB = RB25#0





5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-16.386 dBm

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 10/100

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

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

Center 1.755000 GHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

Ref Offset 7.7 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-39.543 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



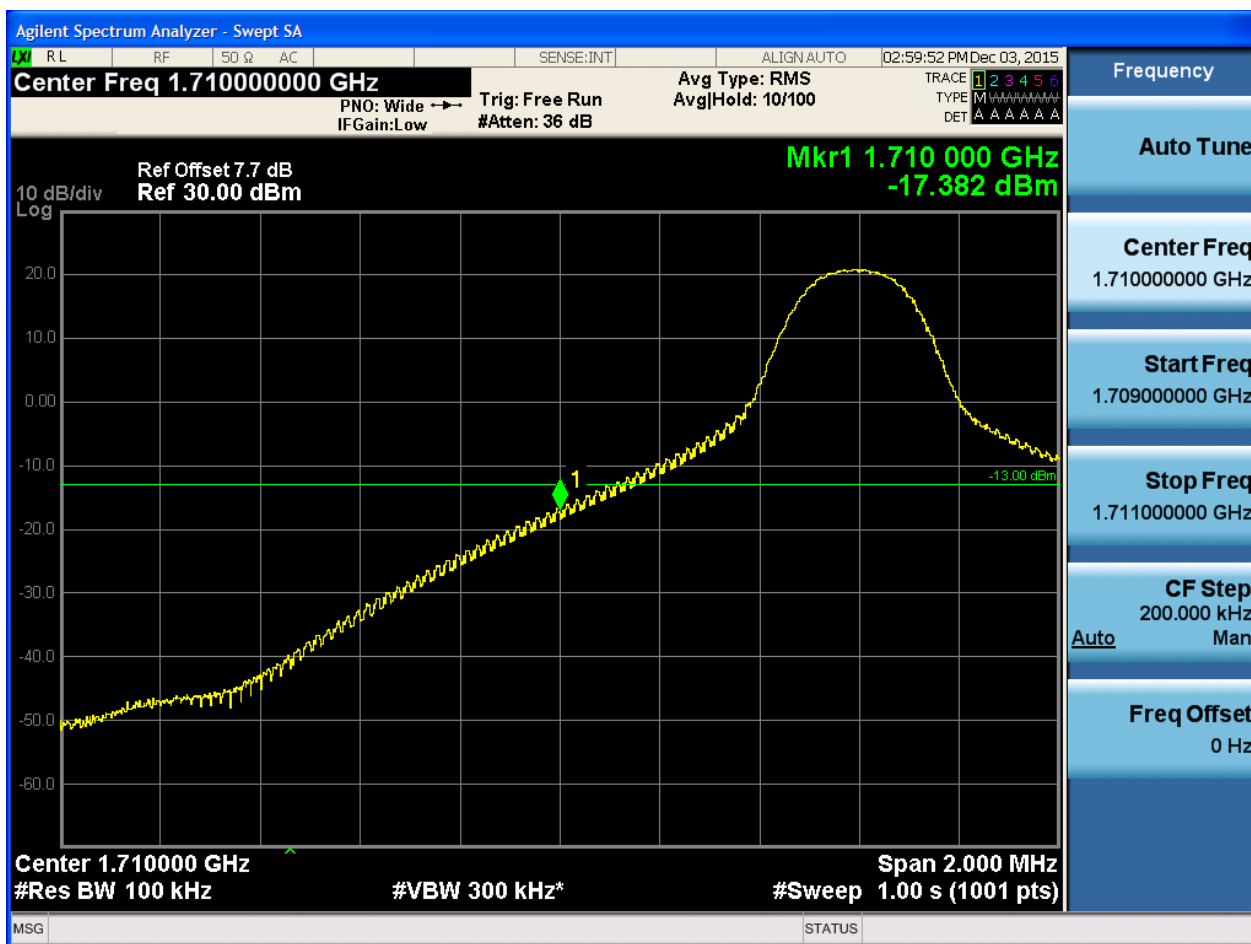
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

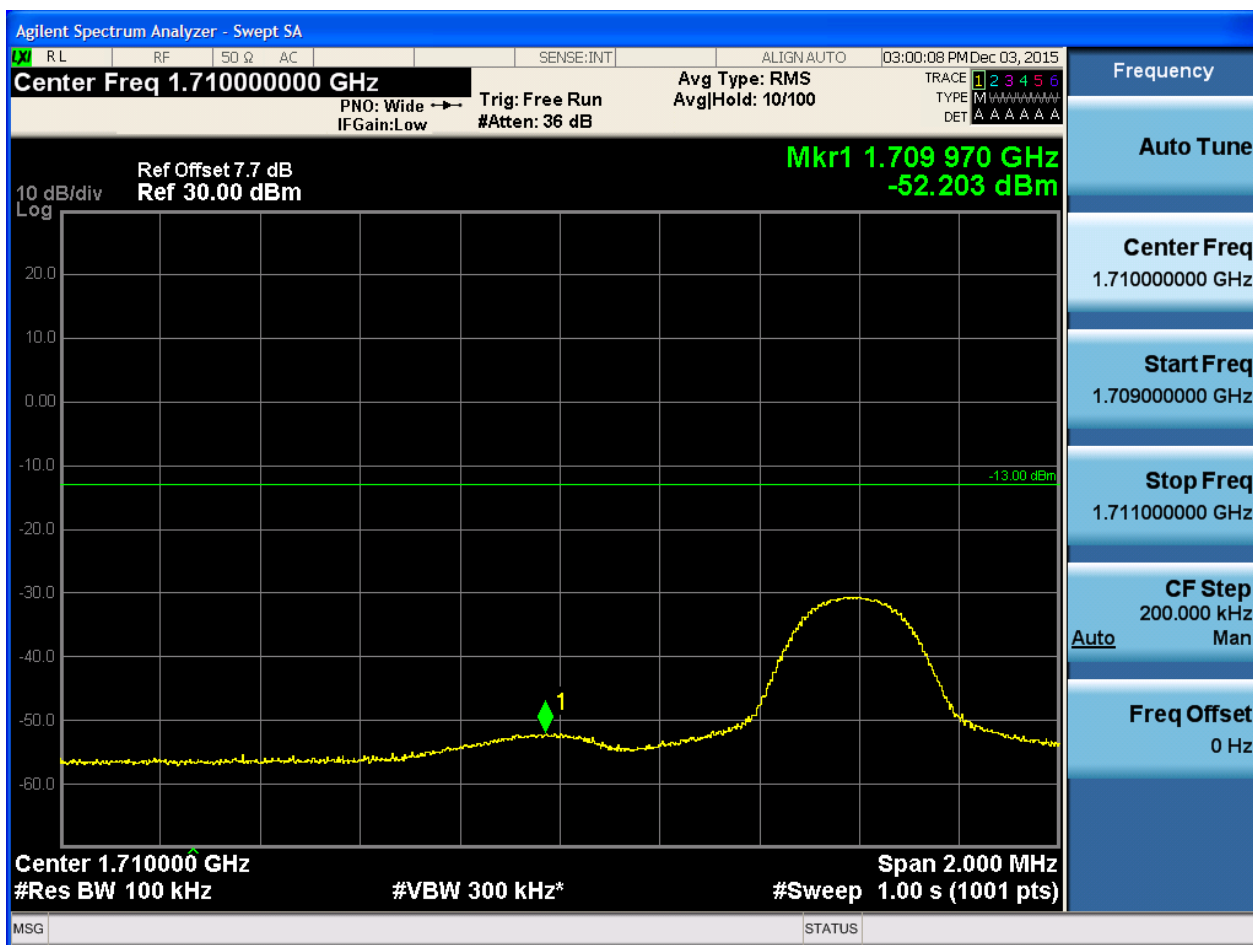
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





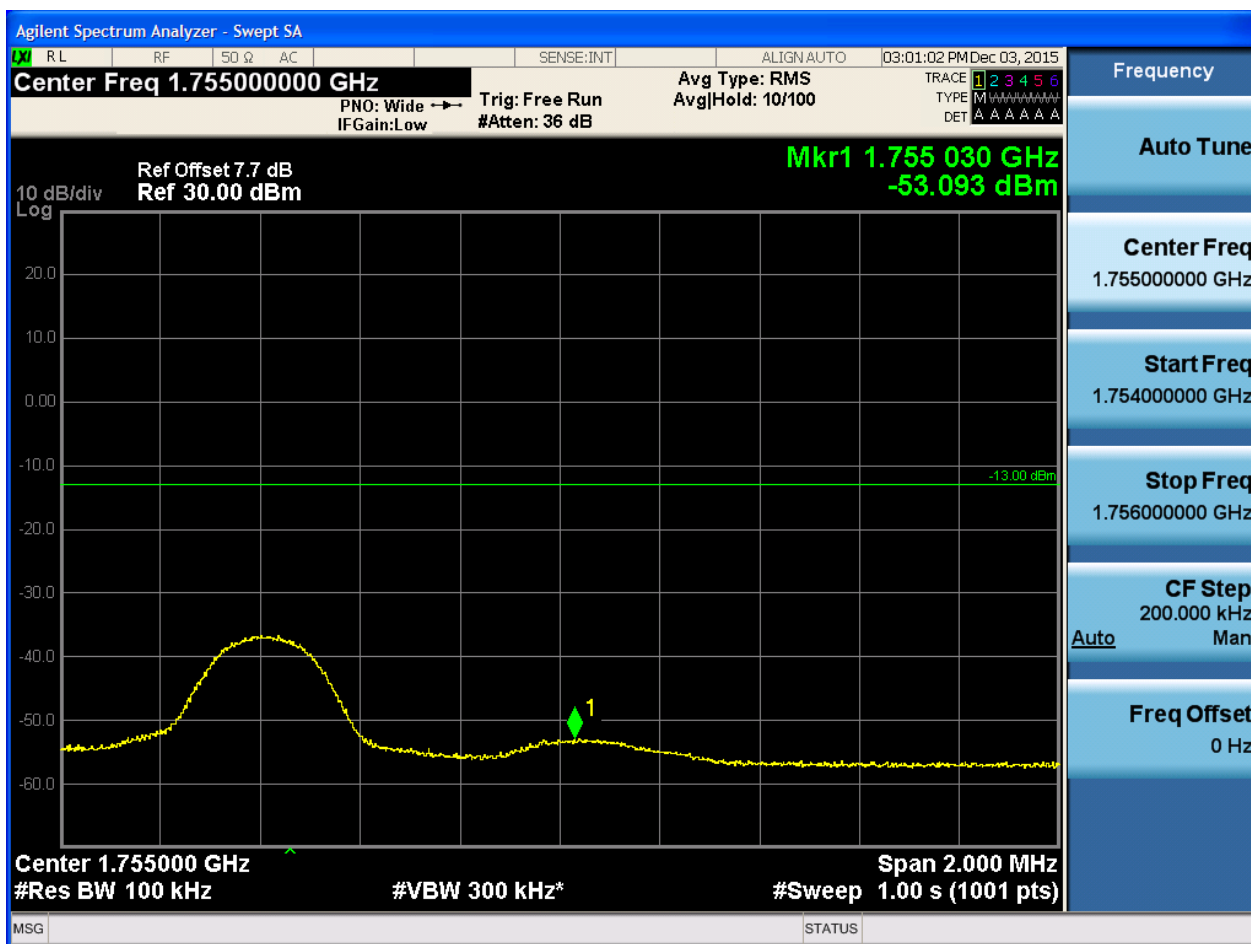
5.1.1.1.4.1.4 Test RB = RB50#0





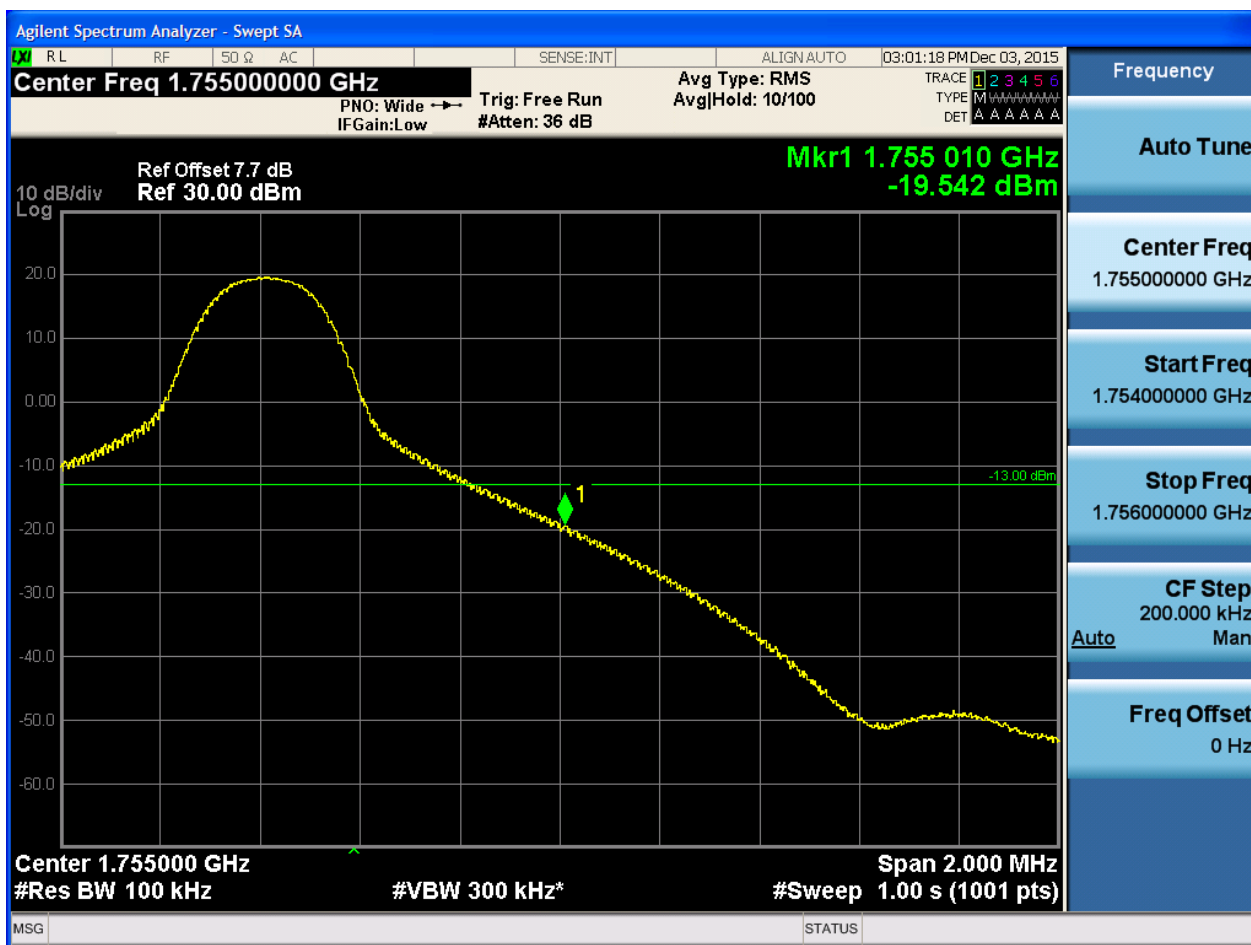
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0

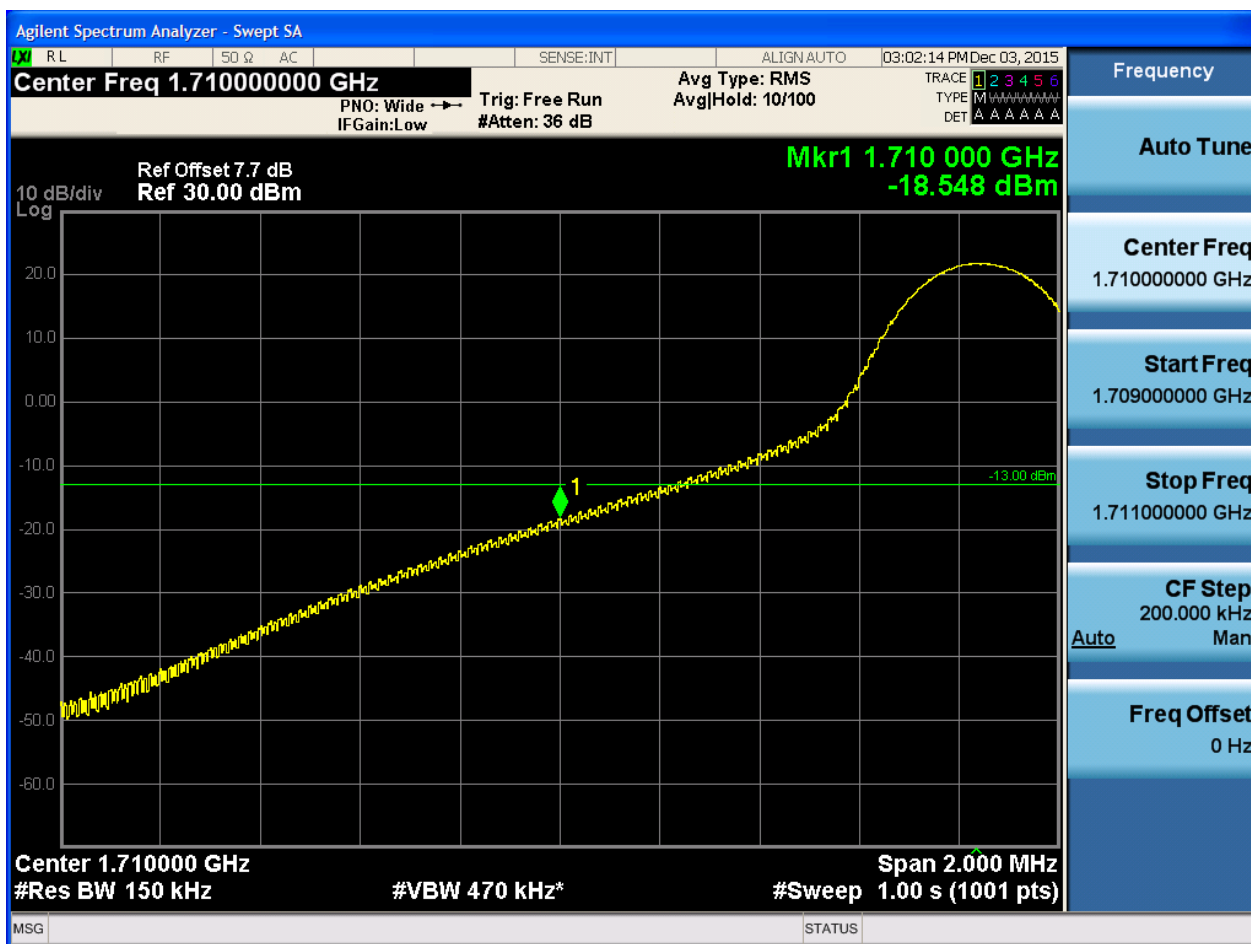




5.1.1.1.5 Test Bandwidth = 15

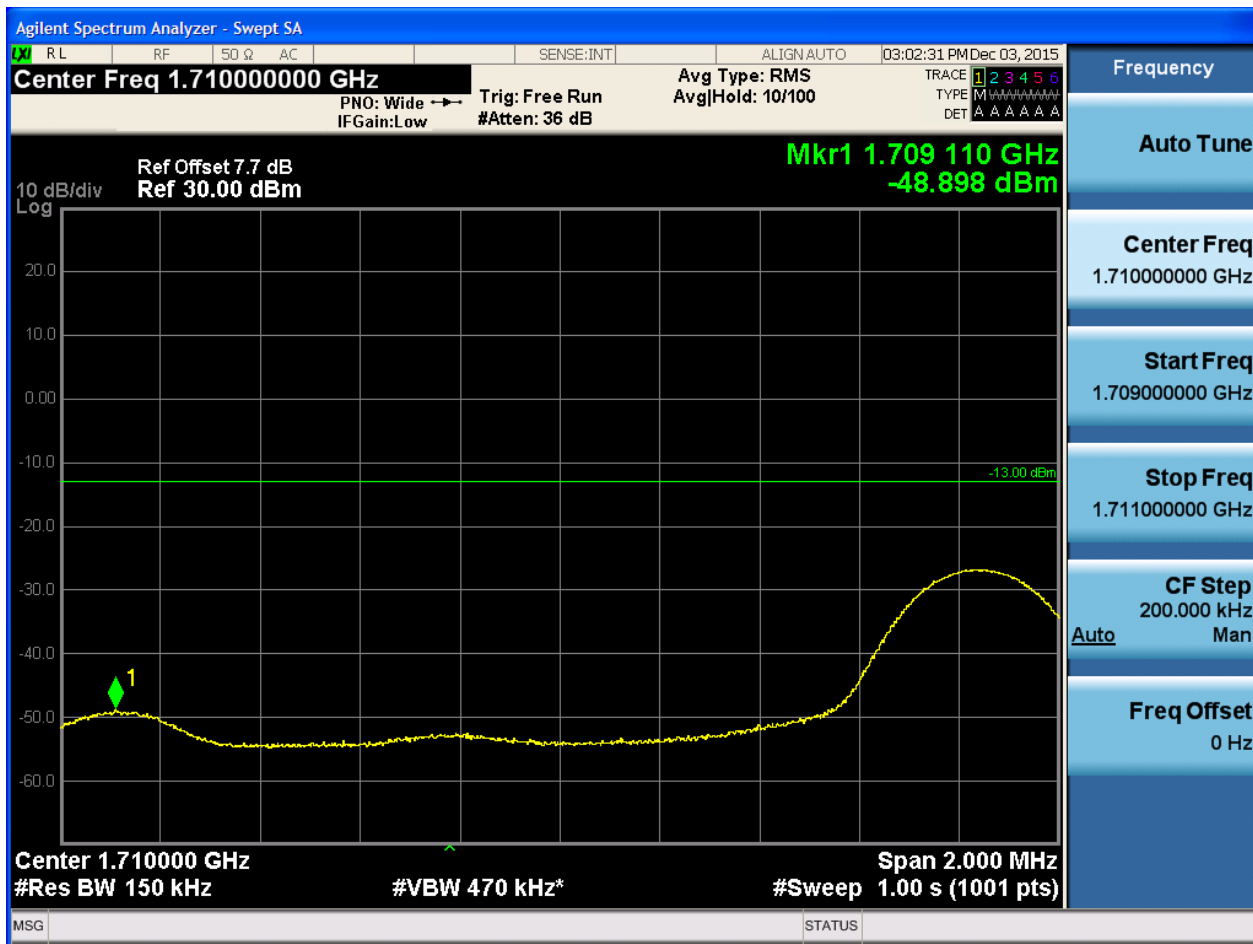
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74



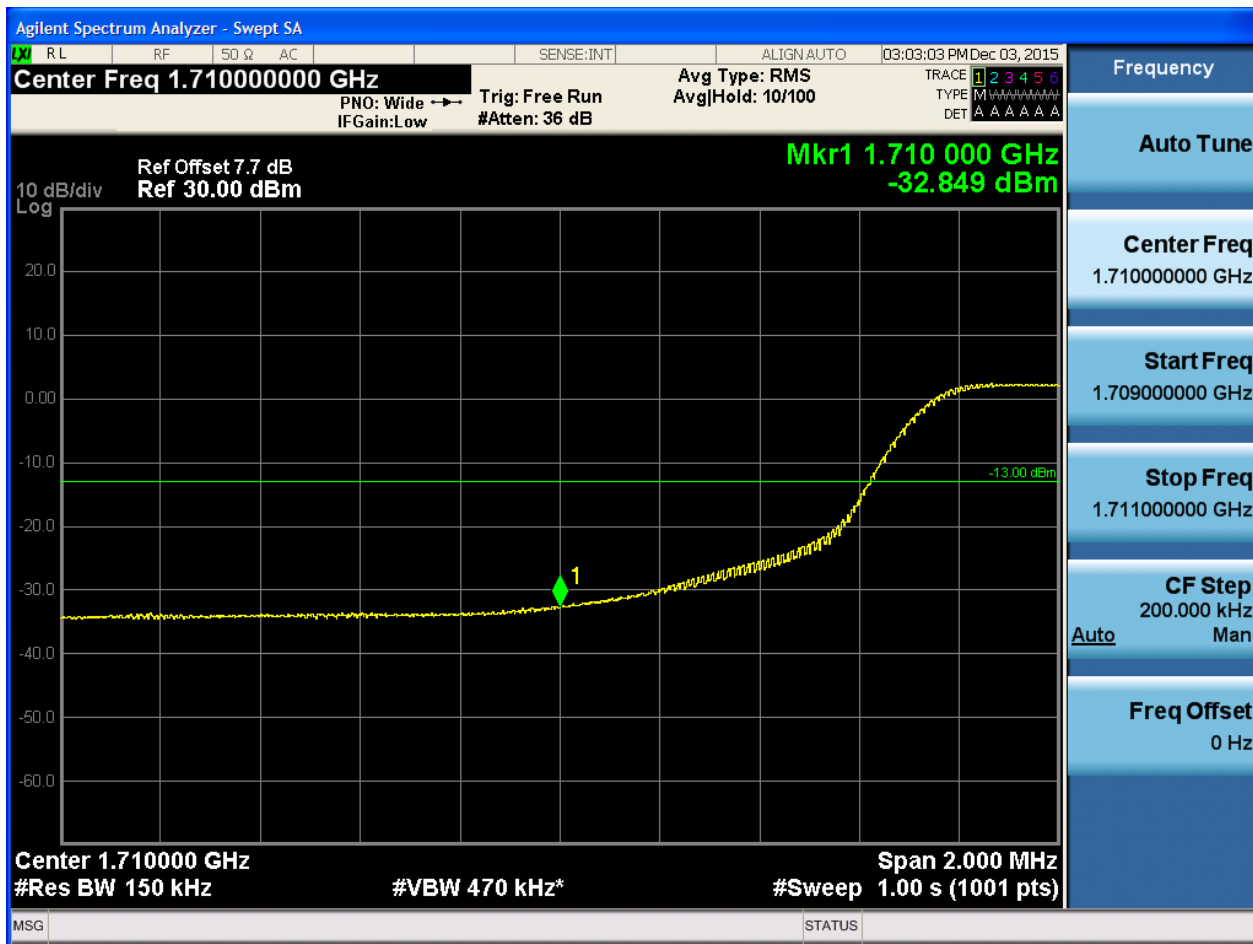


5.1.1.1.5.1.3 Test RB = RB38#19





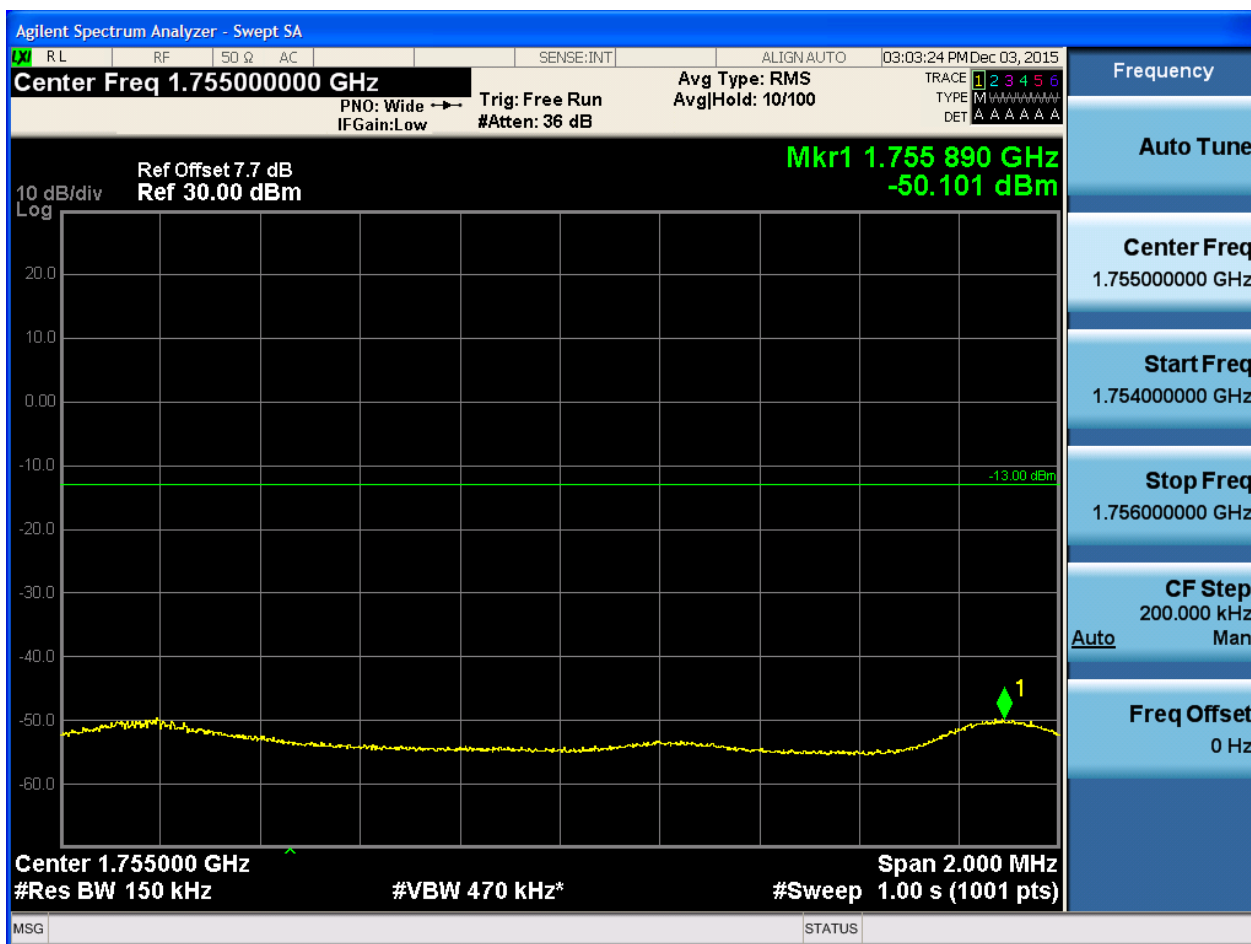
5.1.1.1.5.1.4 Test RB = RB75#0





5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





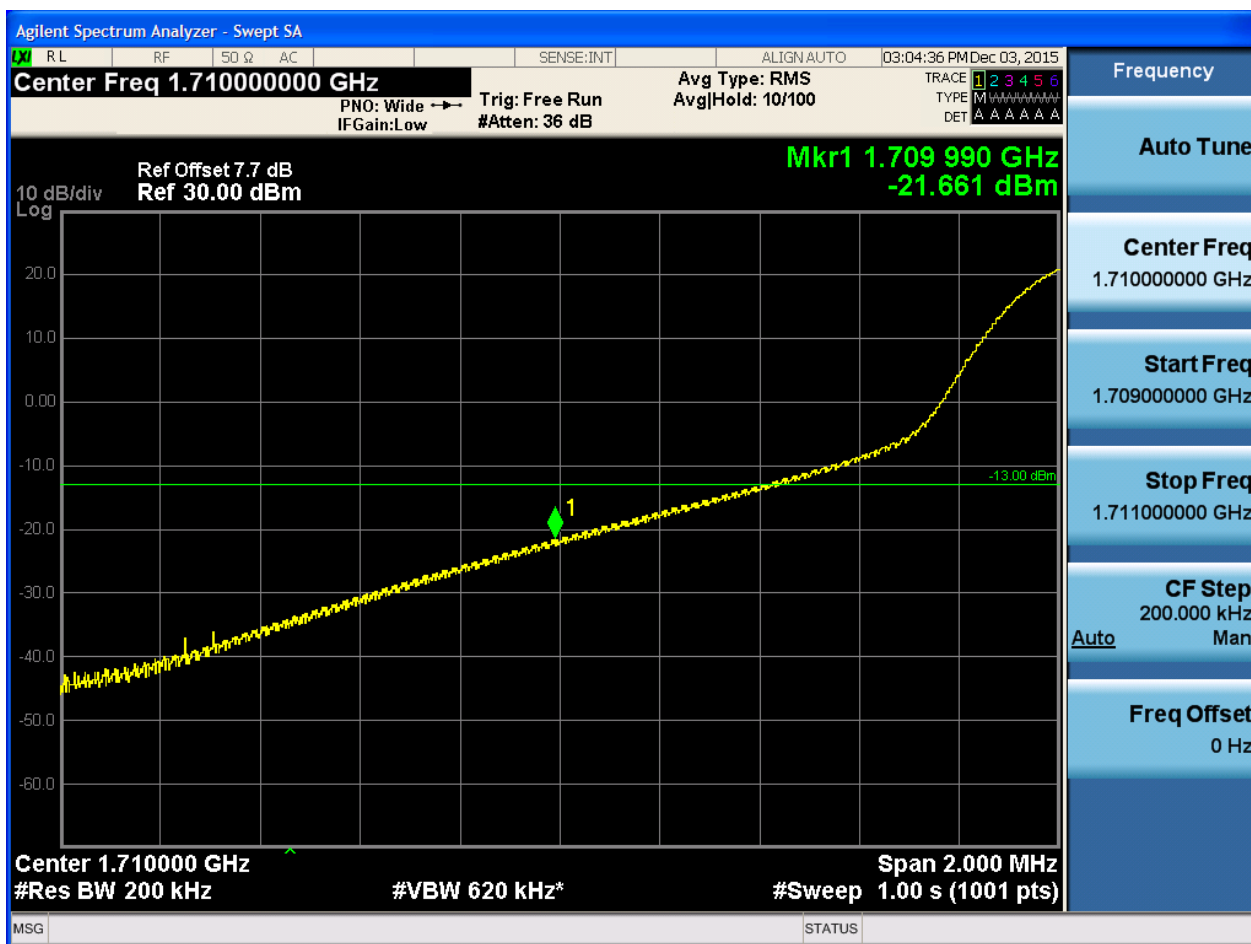
5.1.1.1.5.2.4 Test RB = RB75#0



5.1.1.1.6 Test Bandwidth = 20

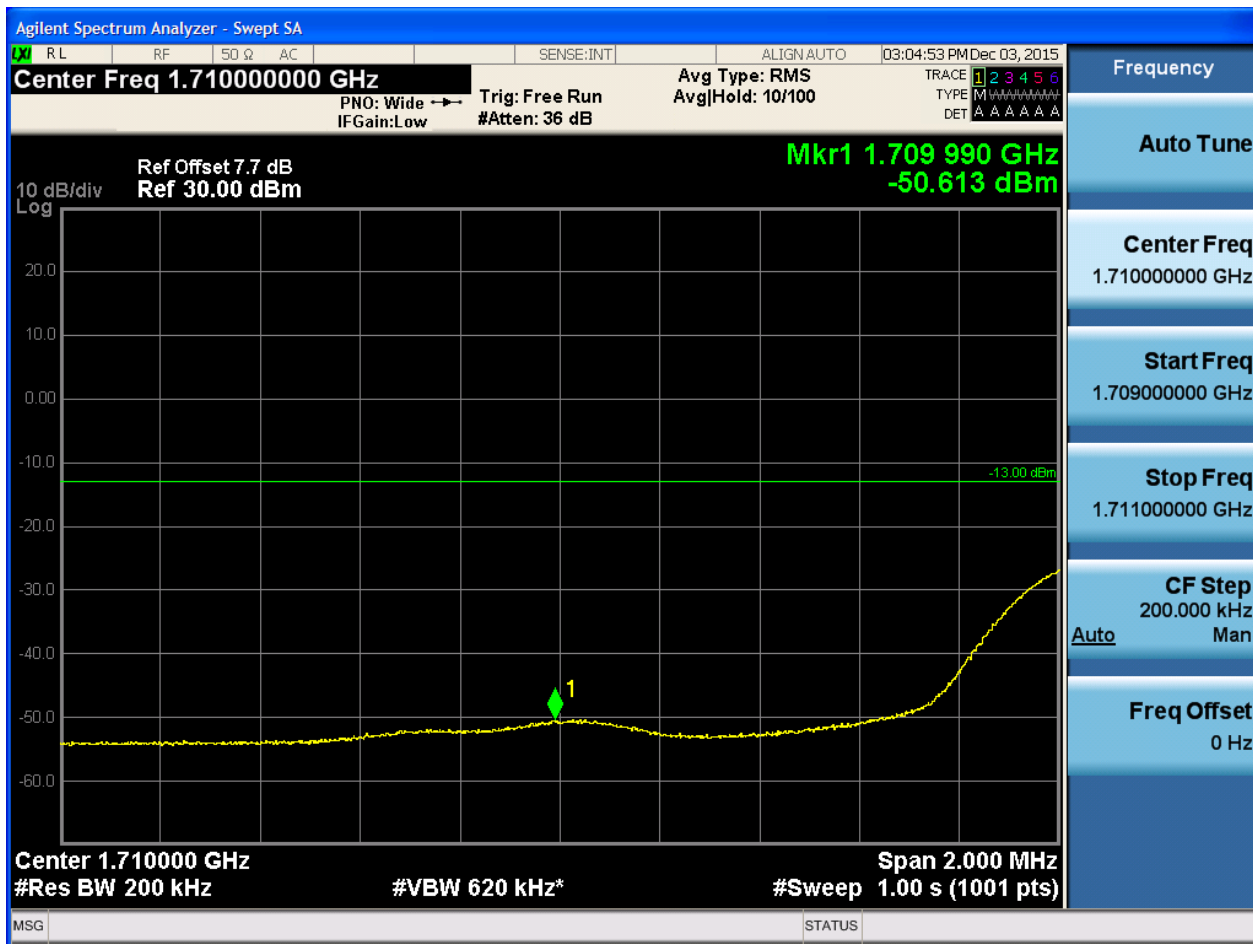
5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0



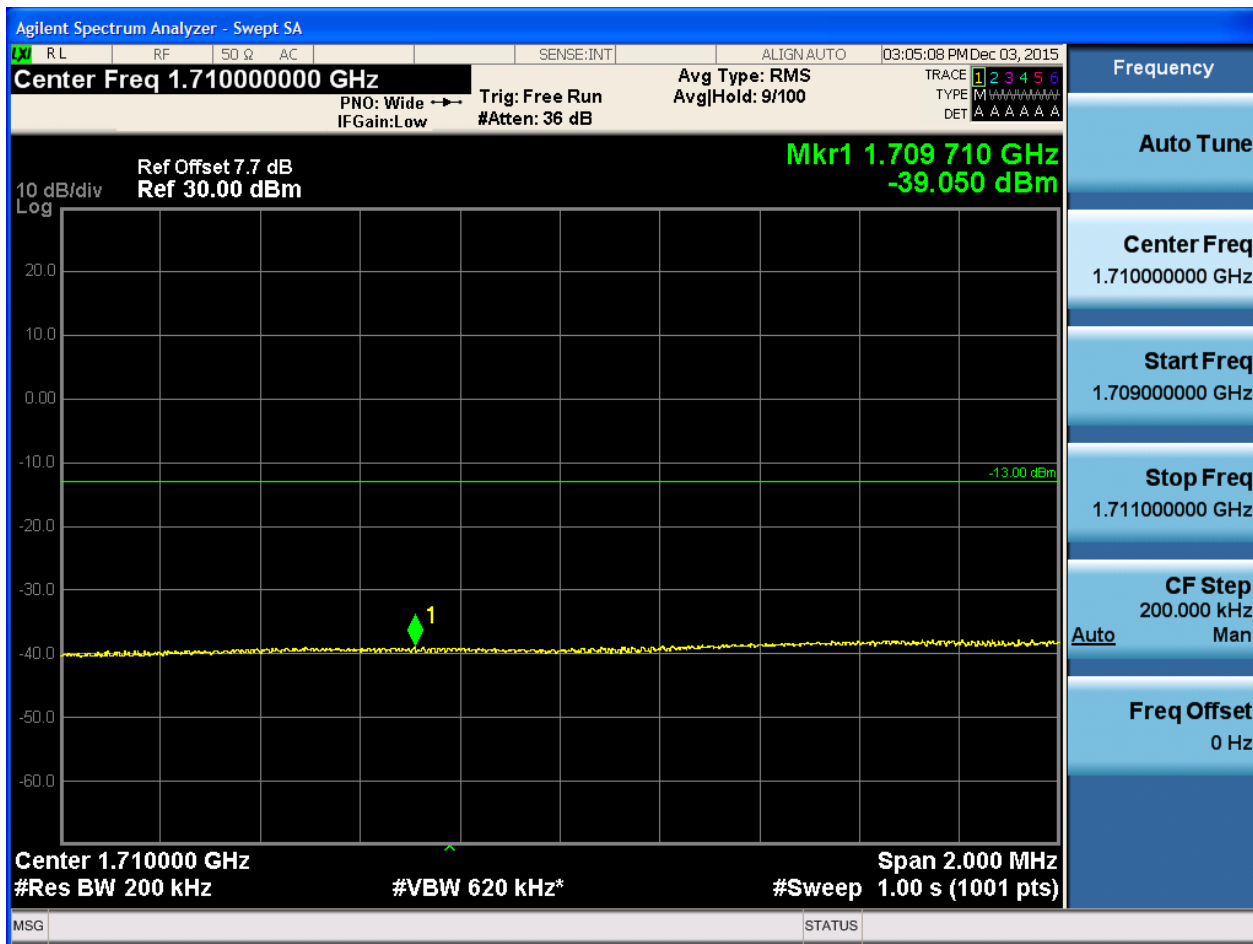


5.1.1.1.6.1.2 Test RB = RB1#99



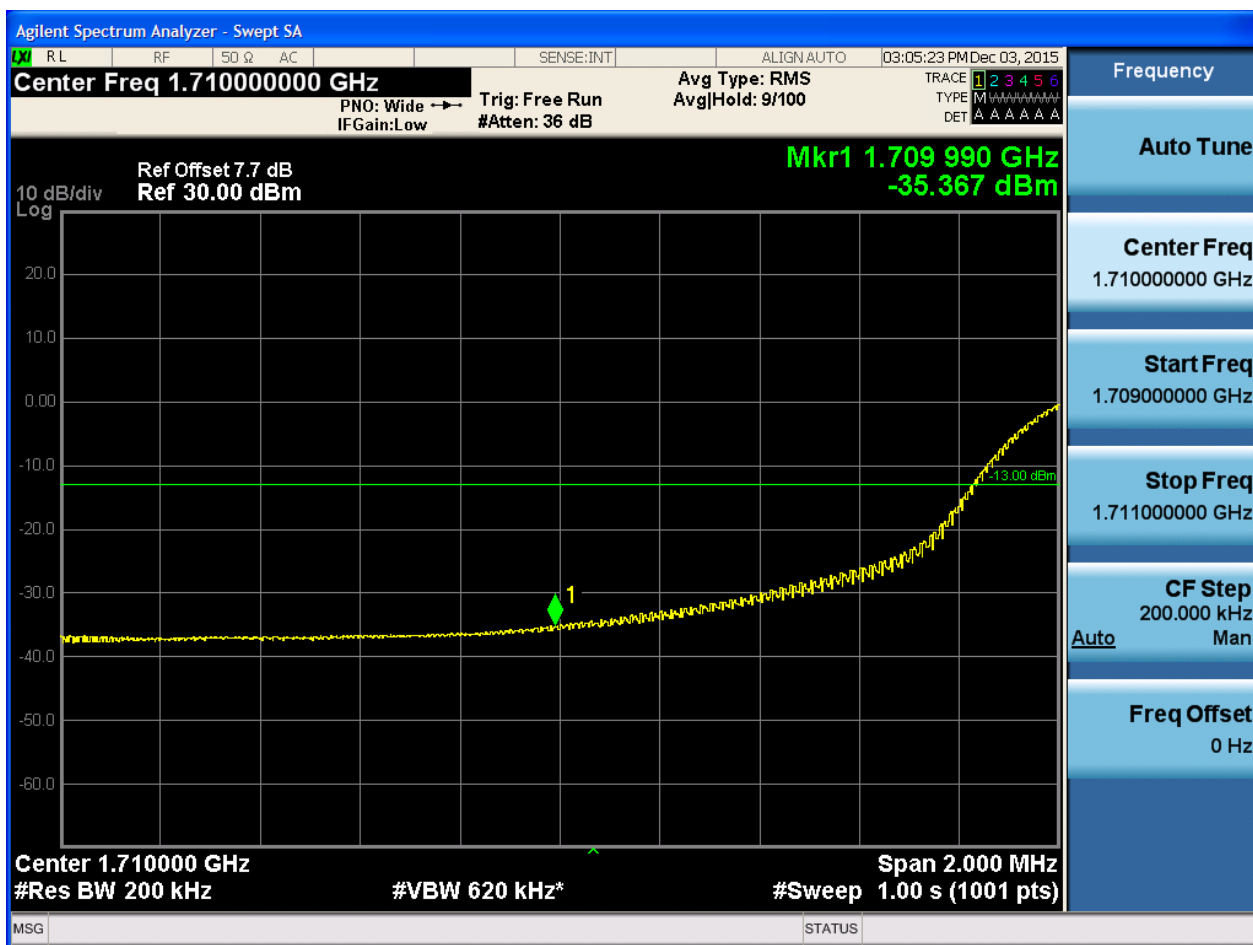


5.1.1.1.6.1.3 Test RB = RB50#25





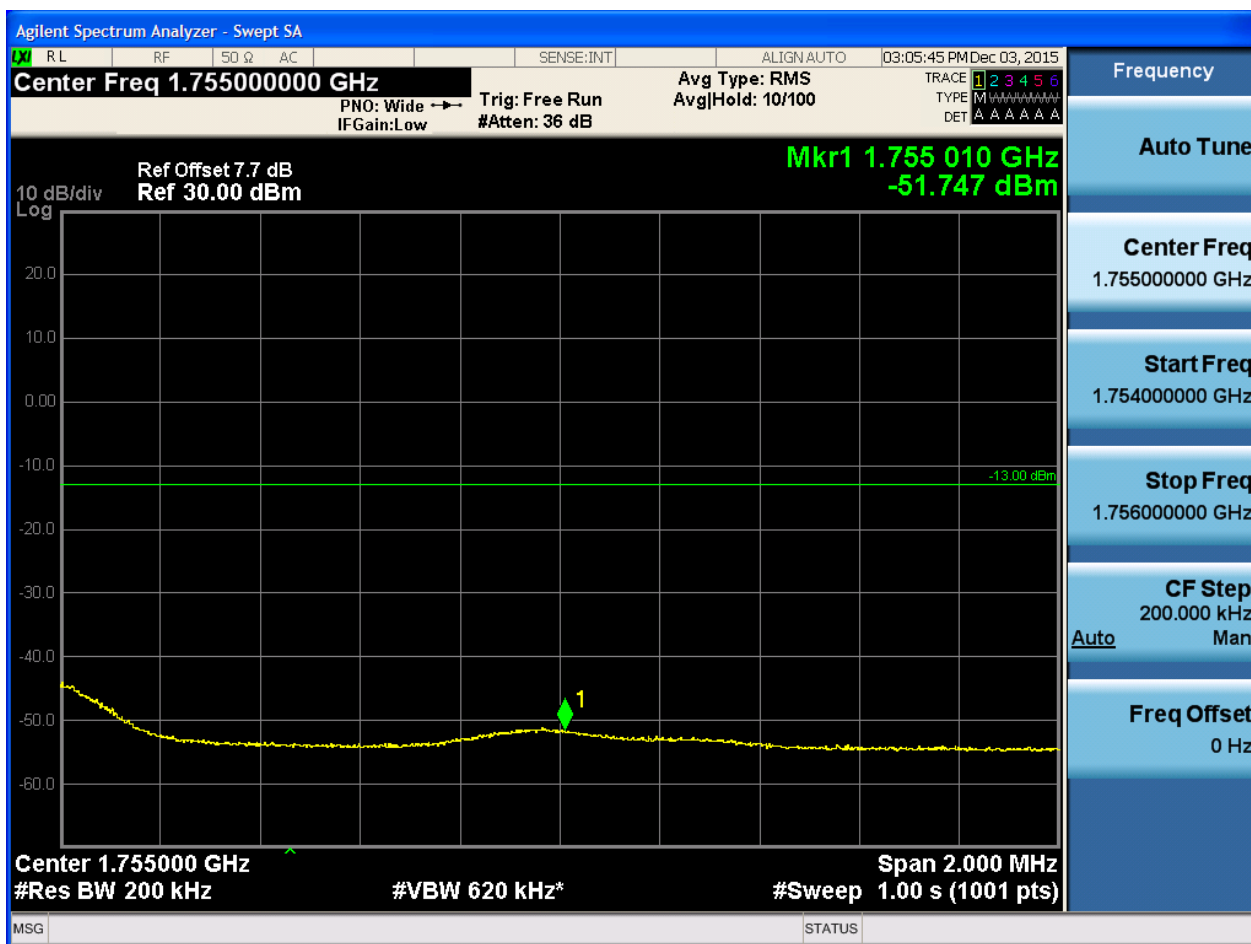
5.1.1.1.6.1.4 Test RB = RB100#0





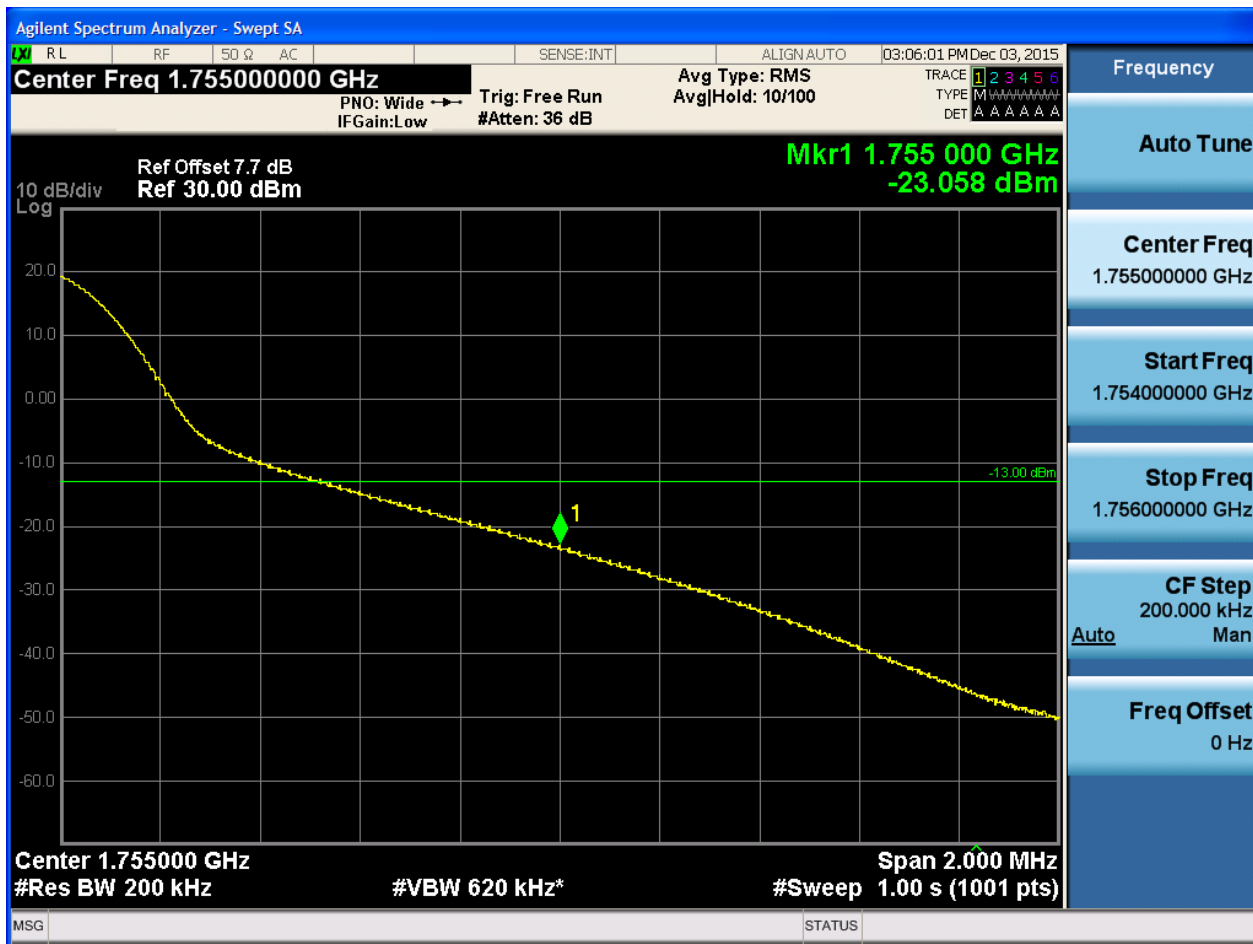
5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





5.1.1.1.6.2.2 Test RB = RB1#99





5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0



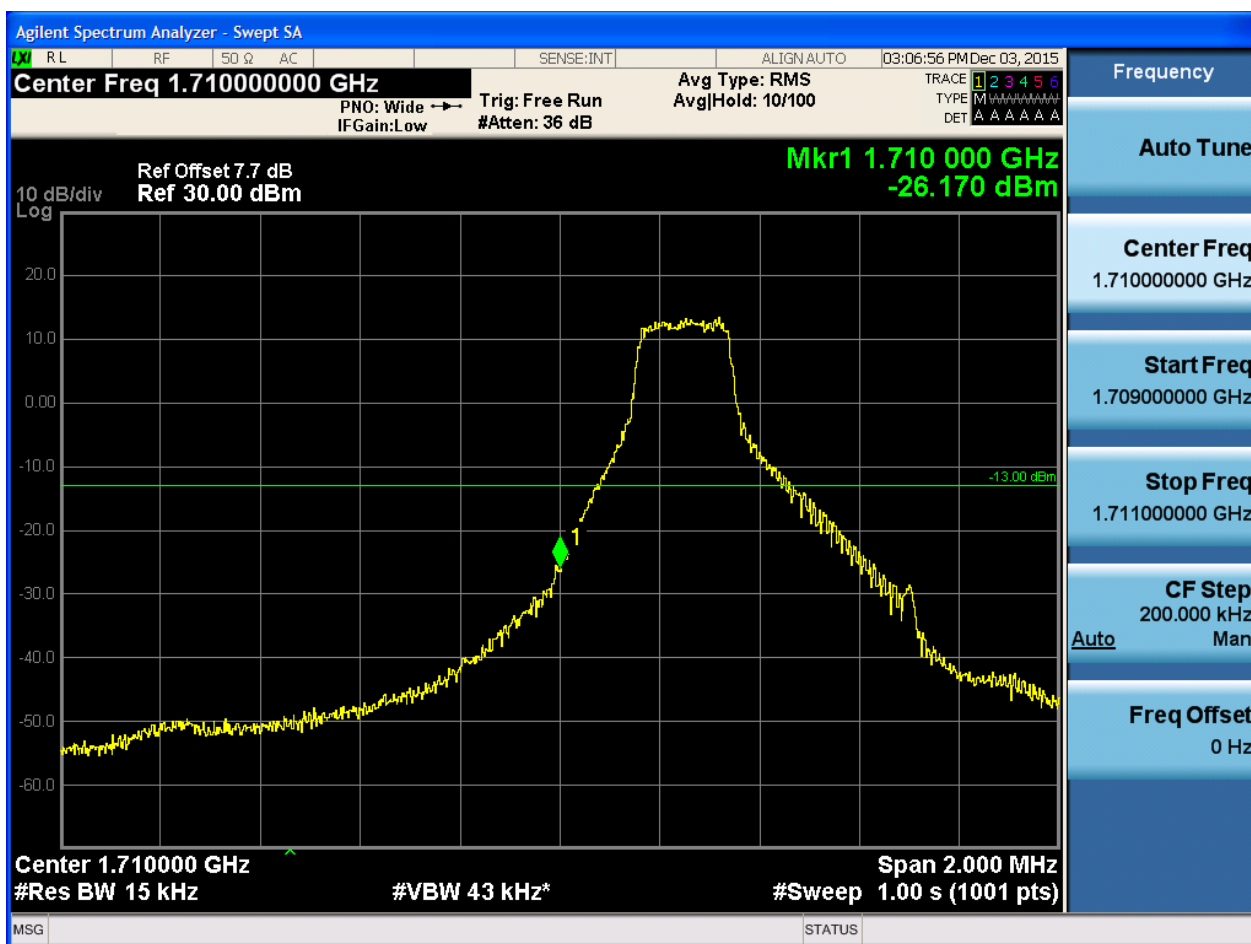


5.1.1.2 Test Mode = LTE/TM2

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





5.1.1.2.1.2 Test RB = RB1#5



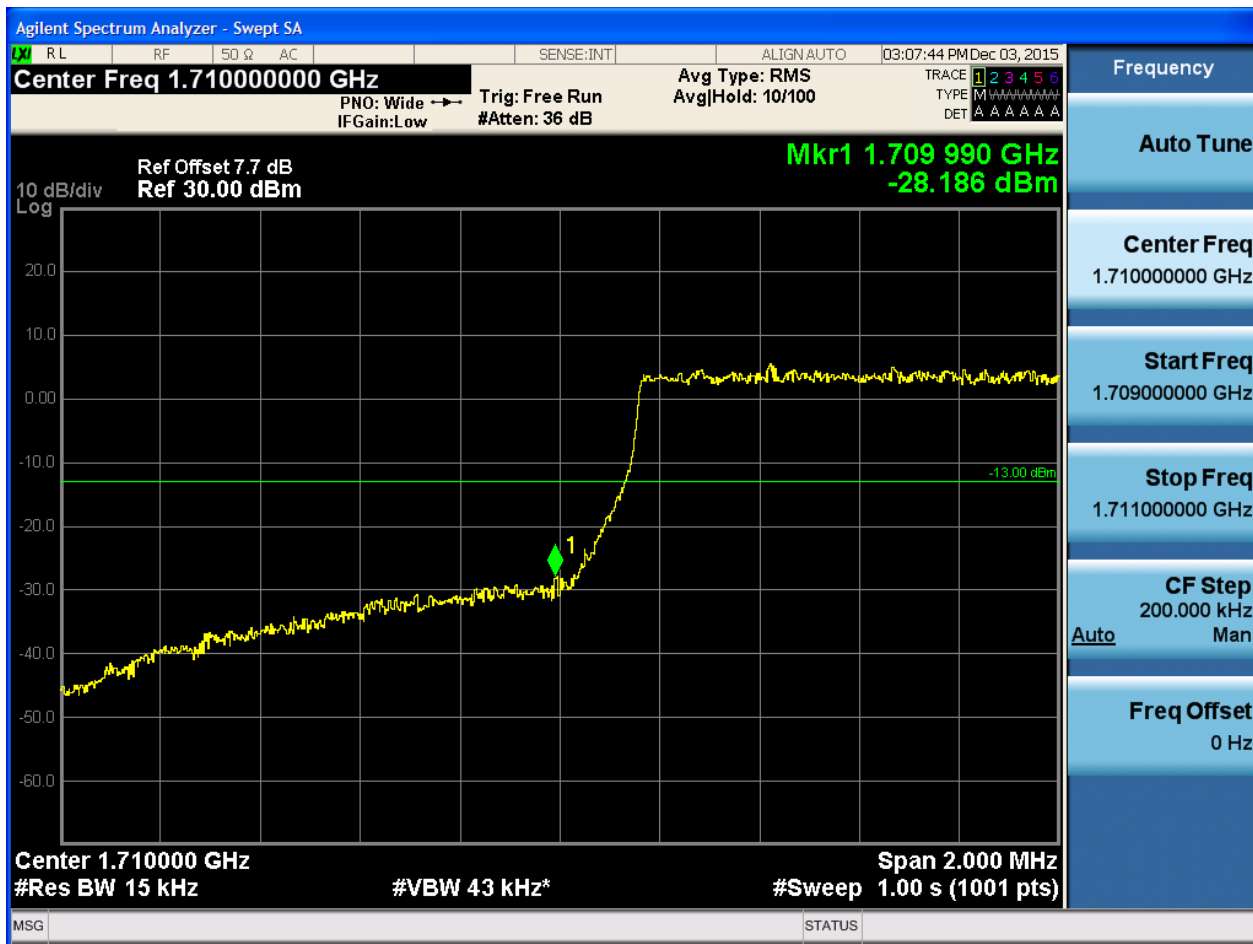


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





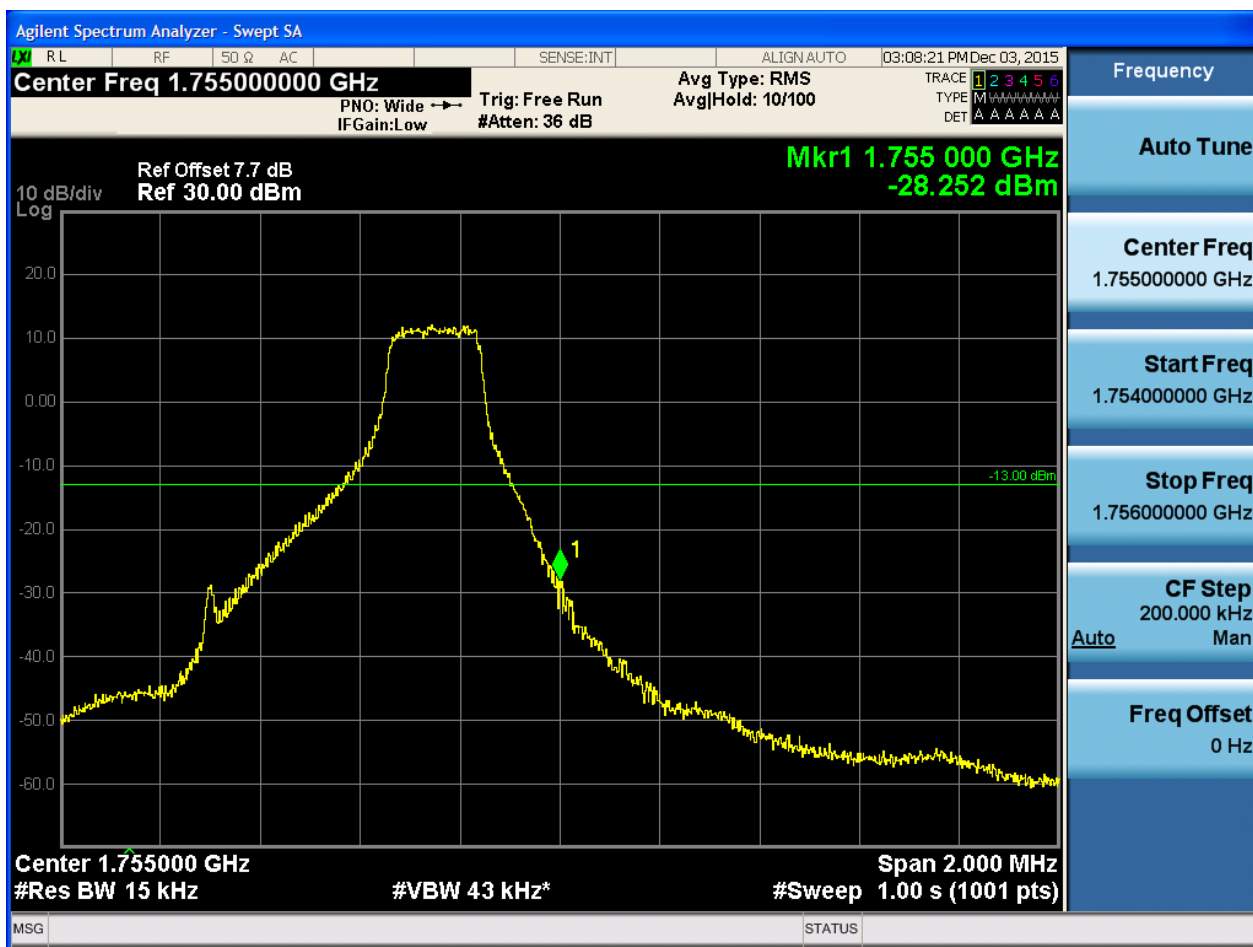
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5





5.1.1.2.1.2.3 Test RB = RB3#2





5.1.1.2.1.2.4 Test RB = RB6#0

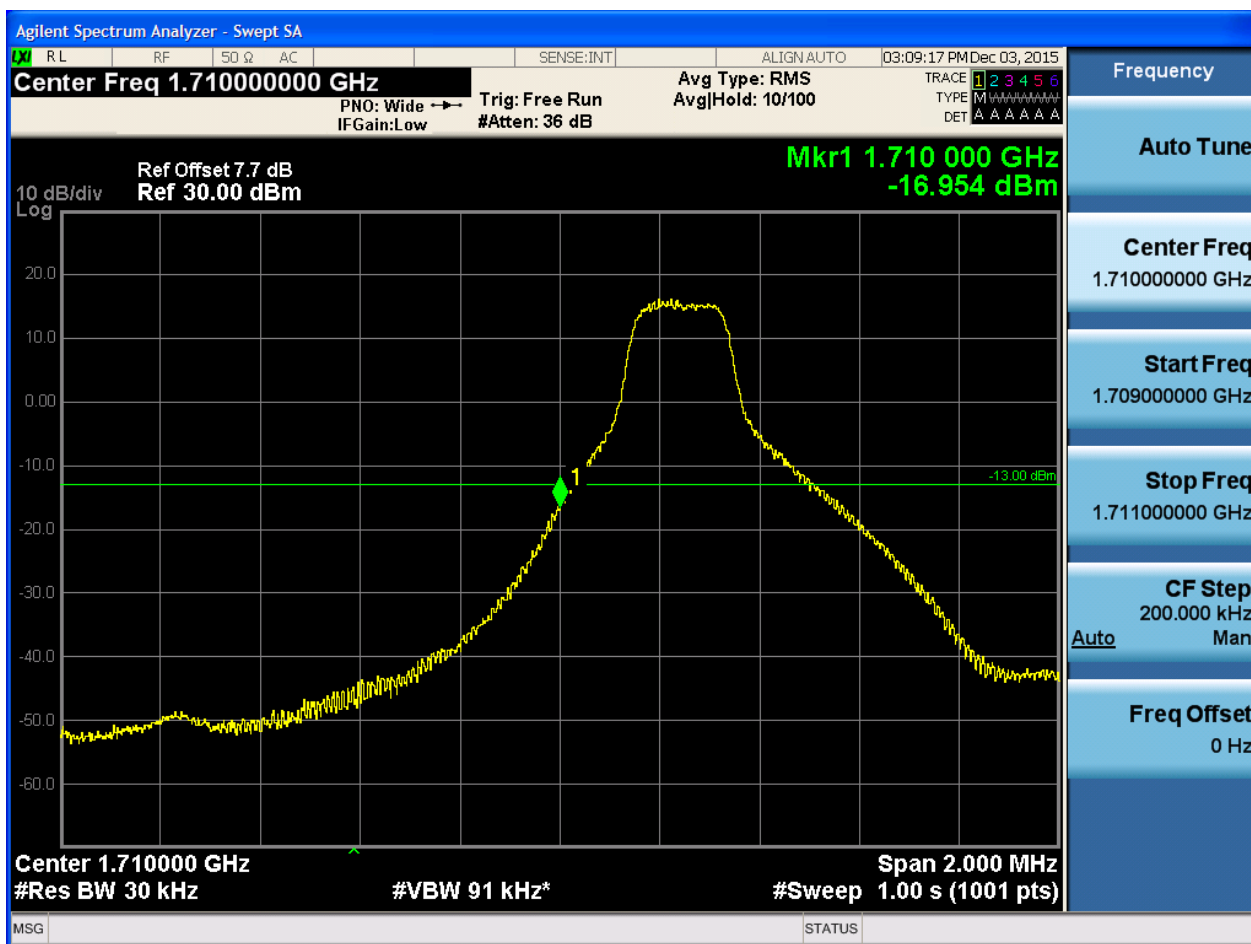




5.1.1.2.2 Test Bandwidth = 3

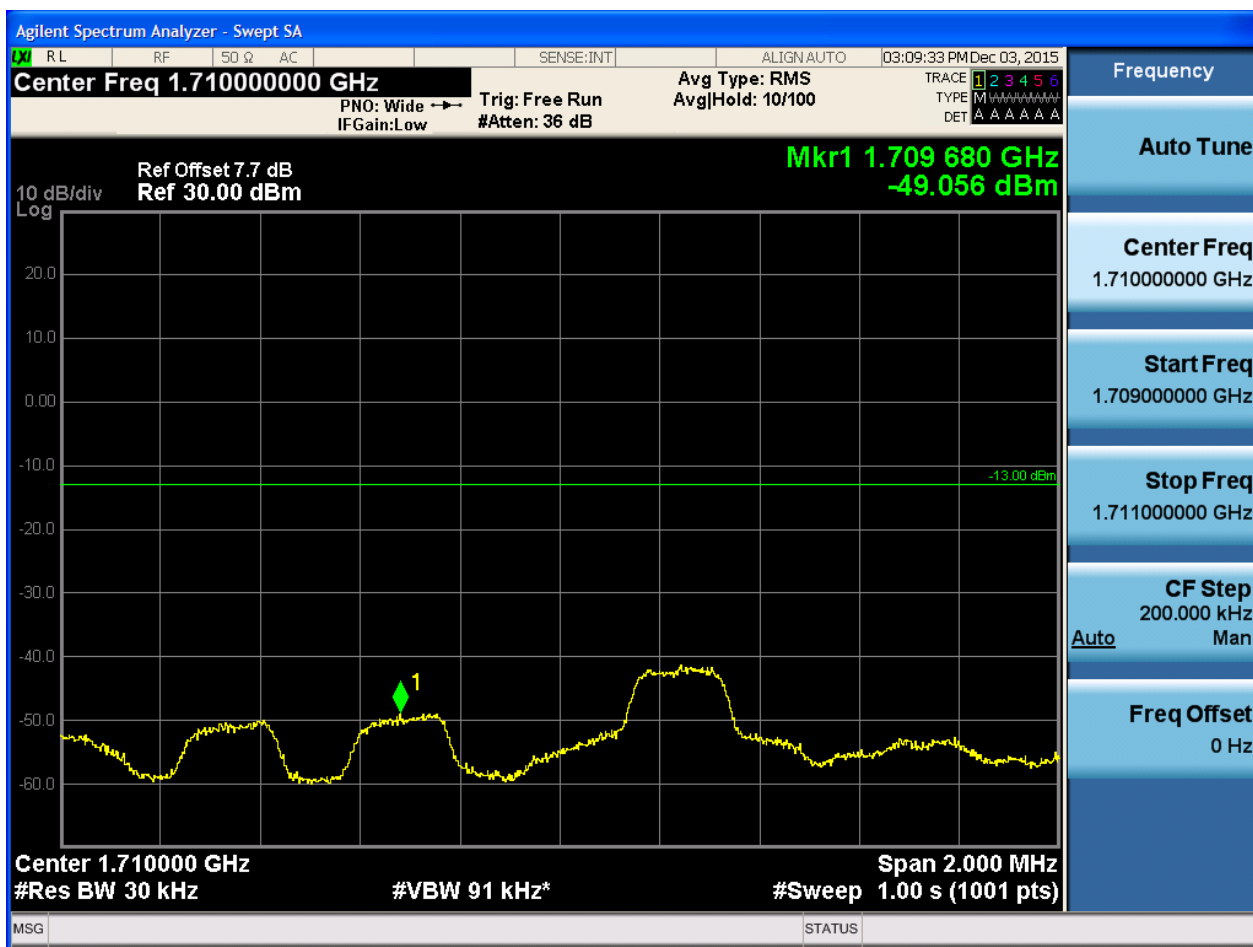
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.709 990 GHz
-33.343 dBm

Center 1.710000 GHz
#Res BW 30 kHz
#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz