



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[d Bm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	21.99	22.44	30	PASS
				RB1#3	22.02	22.47	30	PASS
				RB1#5	22	22.45	30	PASS
				RB3#0	22.1	22.55	30	PASS
				RB3#2	22.15	22.6	30	PASS
				RB3#3	22.12	22.57	30	PASS
			MCH	RB6#0	20.69	21.14	30	PASS
				RB1#0	22.28	22.73	30	PASS
				RB1#3	22.21	22.66	30	PASS
				RB1#5	22.09	22.54	30	PASS
				RB3#0	22.34	22.79	30	PASS
				RB3#2	22.3	22.75	30	PASS
				RB3#3	22.25	22.7	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB6#0	20.87	21.32	30	PASS
			HCH	RB1#0	22.19	22.64	30	PASS
				RB1#3	22.24	22.69	30	PASS
				RB1#5	22.3	22.75	30	PASS
				RB3#0	22.35	22.8	30	PASS
				RB3#2	22.29	22.74	30	PASS
				RB3#3	22.42	22.87	30	PASS
				RB6#0	20.85	21.3	30	PASS
		3	LCH	RB1#0	21.93	22.38	30	PASS
				RB1#7	22.33	22.78	30	PASS
				RB1#14	22.12	22.57	30	PASS
				RB8#0	20.77	21.22	30	PASS
				RB8#4	20.85	21.3	30	PASS
				RB8#7	20.82	21.27	30	PASS
				RB15#0	20.81	21.26	30	PASS
			MCH	RB1#0	22.18	22.63	30	PASS
				RB1#7	22.38	22.83	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB1#14	22.21	22.66	30	PASS
				RB8#0	20.87	21.32	30	PASS
				RB8#4	20.88	21.33	30	PASS
				RB8#7	20.87	21.32	30	PASS
				RB15#0	20.92	21.37	30	PASS
			HCH	RB1#0	22.2	22.65	30	PASS
				RB1#7	22.37	22.82	30	PASS
				RB1#14	22.18	22.63	30	PASS
				RB8#0	20.86	21.31	30	PASS
				RB8#4	20.88	21.33	30	PASS
				RB8#7	20.78	21.23	30	PASS
				RB15#0	20.89	21.34	30	PASS
		5	LCH	RB1#0	22.01	22.46	30	PASS
				RB1#13	22.45	22.9	30	PASS
				RB1#24	22.06	22.51	30	PASS
				RB12#0	20.87	21.32	30	PASS
				RB12#6	21.06	21.51	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB12#13	20.94	21.39	30	PASS
				RB25#0	20.94	21.39	30	PASS
			MCH	RB1#0	22.18	22.63	30	PASS
				RB1#13	22.55	23	30	PASS
				RB1#24	22.16	22.61	30	PASS
				RB12#0	20.98	21.43	30	PASS
				RB12#6	21.03	21.48	30	PASS
				RB12#13	20.85	21.3	30	PASS
				RB25#0	20.91	21.36	30	PASS
			HCH	RB1#0	22.31	22.76	30	PASS
				RB1#13	22.44	22.89	30	PASS
				RB1#24	22.13	22.58	30	PASS
				RB12#0	20.92	21.37	30	PASS
				RB12#6	20.91	21.36	30	PASS
				RB12#13	20.79	21.24	30	PASS
				RB25#0	20.78	21.23	30	PASS
		10	LCH	RB1#0	21.95	22.4	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB1#25	22.46	22.91	30	PASS
				RB1#49	22.08	22.53	30	PASS
				RB25#0	21	21.45	30	PASS
				RB25#13	21.08	21.53	30	PASS
				RB25#25	20.92	21.37	30	PASS
				RB50#0	20.98	21.43	30	PASS
			MCH	RB1#0	22.19	22.64	30	PASS
				RB1#25	22.57	23.02	30	PASS
				RB1#49	22.4	22.85	30	PASS
				RB25#0	21.02	21.47	30	PASS
				RB25#13	21.03	21.48	30	PASS
				RB25#25	20.97	21.42	30	PASS
				RB50#0	20.95	21.4	30	PASS
			HCH	RB1#0	22.48	22.93	30	PASS
				RB1#25	22.53	22.98	30	PASS
				RB1#49	22.18	22.63	30	PASS
				RB25#0	21.2	21.65	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB25#13	20.97	21.42	30	PASS
				RB25#25	20.61	21.06	30	PASS
				RB50#0	20.93	21.38	30	PASS
		15	LCH	RB1#0	22.02	22.47	30	PASS
				RB1#38	22.39	22.84	30	PASS
				RB1#74	22.11	22.56	30	PASS
				RB38#0	21.02	21.47	30	PASS
				RB38#19	21.16	21.61	30	PASS
				RB38#39	21.07	21.52	30	PASS
				RB75#0	21.09	21.54	30	PASS
			MCH	RB1#0	22.23	22.68	30	PASS
				RB1#38	22.61	23.06	30	PASS
				RB1#74	22.44	22.89	30	PASS
				RB38#0	21.11	21.56	30	PASS
				RB38#19	21.17	21.62	30	PASS
				RB38#39	21.13	21.58	30	PASS
				RB75#0	21.07	21.52	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.54	22.99	30	PASS
				RB1#38	22.65	23.1	30	PASS
				RB1#74	22.14	22.59	30	PASS
				RB38#0	21.33	21.78	30	PASS
				RB38#19	21.29	21.74	30	PASS
				RB38#39	20.94	21.39	30	PASS
				RB75#0	21.09	21.54	30	PASS
		20	LCH	RB1#0	22.09	22.54	30	PASS
				RB1#50	22.47	22.92	30	PASS
				RB1#99	22.01	22.46	30	PASS
				RB50#0	21.07	21.52	30	PASS
				RB50#25	21.08	21.53	30	PASS
				RB50#50	20.94	21.39	30	PASS
				RB100#0	21.06	21.51	30	PASS
			MCH	RB1#0	22.32	22.77	30	PASS
				RB1#50	22.64	23.09	30	PASS
				RB1#99	22.42	22.87	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB50#0	21.11	21.56	30	PASS
				RB50#25	21.08	21.53	30	PASS
				RB50#50	21.1	21.55	30	PASS
				RB100#0	21.11	21.56	30	PASS
			HCH	RB1#0	22.65	23.1	30	PASS
				RB1#50	22.86	23.31	30	PASS
				RB1#99	22.13	22.58	30	PASS
				RB50#0	21.38	21.83	30	PASS
	LTE/TM2	1.4	LCH	RB50#25	21.27	21.72	30	PASS
				RB50#50	21.03	21.48	30	PASS
				RB100#0	21.24	21.69	30	PASS
				RB1#0	20.73	21.18	30	PASS
				RB1#3	20.89	21.34	30	PASS
				RB1#5	20.84	21.29	30	PASS
				RB3#0	20.8	21.25	30	PASS
				RB3#2	20.85	21.3	30	PASS
				RB3#3	20.87	21.32	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB6#0	20.42	20.87	30	PASS
			MCH	RB1#0	20.99	21.44	30	PASS
				RB1#3	21.01	21.46	30	PASS
				RB1#5	20.91	21.36	30	PASS
				RB3#0	20.99	21.44	30	PASS
				RB3#2	21.01	21.46	30	PASS
				RB3#3	20.91	21.36	30	PASS
				RB6#0	20.56	21.01	30	PASS
			HCH	RB1#0	20.78	21.23	30	PASS
				RB1#3	20.75	21.2	30	PASS
				RB1#5	20.97	21.42	30	PASS
				RB3#0	20.83	21.28	30	PASS
				RB3#2	20.77	21.22	30	PASS
				RB3#3	20.73	21.18	30	PASS
				RB6#0	20.44	20.89	30	PASS
		3	LCH	RB1#0	20.74	21.19	30	PASS
				RB1#7	21.04	21.49	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB1#14	21.05	21.5	30	PASS
				RB8#0	20.35	20.8	30	PASS
				RB8#4	20.43	20.88	30	PASS
				RB8#7	20.4	20.85	30	PASS
				RB15#0	20.32	20.77	30	PASS
			MCH	RB1#0	21.16	21.61	30	PASS
				RB1#7	21.35	21.8	30	PASS
				RB1#14	20.81	21.26	30	PASS
				RB8#0	20.46	20.91	30	PASS
				RB8#4	20.47	20.92	30	PASS
				RB8#7	20.43	20.88	30	PASS
				RB15#0	20.36	20.81	30	PASS
			HCH	RB1#0	20.94	21.39	30	PASS
				RB1#7	21.11	21.56	30	PASS
				RB1#14	20.89	21.34	30	PASS
				RB8#0	20.29	20.74	30	PASS
				RB8#4	20.25	20.7	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB8#7	20.12	20.57	30	PASS
				RB15#0	20.15	20.6	30	PASS
		5	LCH	RB1#0	20.62	21.07	30	PASS
				RB1#13	21.17	21.62	30	PASS
				RB1#24	20.72	21.17	30	PASS
				RB12#0	20.48	20.93	30	PASS
				RB12#6	20.62	21.07	30	PASS
				RB12#13	20.49	20.94	30	PASS
				RB25#0	20.43	20.88	30	PASS
			MCH	RB1#0	21.02	21.47	30	PASS
				RB1#13	21.28	21.73	30	PASS
				RB1#24	20.89	21.34	30	PASS
				RB12#0	20.54	20.99	30	PASS
				RB12#6	20.58	21.03	30	PASS
				RB12#13	20.41	20.86	30	PASS
				RB25#0	20.41	20.86	30	PASS
			HCH	RB1#0	21.02	21.47	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB1#13	21.16	21.61	30	PASS
				RB1#24	20.66	21.11	30	PASS
				RB12#0	20.44	20.89	30	PASS
				RB12#6	20.43	20.88	30	PASS
				RB12#13	20.15	20.6	30	PASS
				RB25#0	20.25	20.7	30	PASS
		10	LCH	RB1#0	20.75	21.2	30	PASS
				RB1#25	21.18	21.63	30	PASS
				RB1#49	20.84	21.29	30	PASS
				RB25#0	20.49	20.94	30	PASS
				RB25#13	20.6	21.05	30	PASS
				RB25#25	20.44	20.89	30	PASS
				RB50#0	20.46	20.91	30	PASS
			MCH	RB1#0	20.91	21.36	30	PASS
				RB1#25	21.19	21.64	30	PASS
				RB1#49	20.99	21.44	30	PASS
				RB25#0	20.47	20.92	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB25#13	20.47	20.92	30	PASS
				RB25#25	20.42	20.87	30	PASS
				RB50#0	20.42	20.87	30	PASS
			HCH	RB1#0	21.09	21.54	30	PASS
				RB1#25	21.09	21.54	30	PASS
				RB1#49	20.59	21.04	30	PASS
				RB25#0	20.58	21.03	30	PASS
				RB25#13	20.34	20.79	30	PASS
				RB25#25	20.05	20.5	30	PASS
				RB50#0	20.35	20.8	30	PASS
		15	LCH	RB1#0	20.79	21.24	30	PASS
				RB1#38	21.15	21.6	30	PASS
				RB1#74	20.86	21.31	30	PASS
				RB38#0	20.55	21	30	PASS
				RB38#19	20.61	21.06	30	PASS
				RB38#39	20.51	20.96	30	PASS
				RB75#0	20.53	20.98	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	20.85	21.3	30	PASS
				RB1#38	21.07	21.52	30	PASS
				RB1#74	20.88	21.33	30	PASS
				RB38#0	20.52	20.97	30	PASS
				RB38#19	20.6	21.05	30	PASS
				RB38#39	20.55	21	30	PASS
				RB75#0	20.49	20.94	30	PASS
			HCH	RB1#0	21.06	21.51	30	PASS
				RB1#38	21.27	21.72	30	PASS
				RB1#74	20.76	21.21	30	PASS
				RB38#0	20.68	21.13	30	PASS
				RB38#19	20.66	21.11	30	PASS
				RB38#39	20.38	20.83	30	PASS
				RB75#0	20.46	20.91	30	PASS
		20	LCH	RB1#0	21.03	21.48	30	PASS
				RB1#50	21.44	21.89	30	PASS
				RB1#99	20.91	21.36	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[d Bm]	Limit [dBm]	Verdict
				RB50#0	20.57	21.02	30	PASS
				RB50#25	20.58	21.03	30	PASS
				RB50#50	20.42	20.87	30	PASS
				RB100#0	20.46	20.91	30	PASS
			MCH	RB1#0	21.2	21.65	30	PASS
				RB1#50	21.4	21.85	30	PASS
				RB1#99	21.15	21.6	30	PASS
				RB50#0	20.5	20.95	30	PASS
				RB50#25	20.49	20.94	30	PASS
				RB50#50	20.5	20.95	30	PASS
				RB100#0	20.52	20.97	30	PASS
			HCH	RB1#0	21.28	21.73	30	PASS
				RB1#50	21.58	22.03	30	PASS
				RB1#99	20.78	21.23	30	PASS
				RB50#0	20.76	21.21	30	PASS
				RB50#25	20.58	21.03	30	PASS
				RB50#50	20.41	20.86	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB100#0	20.54	20.99	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:

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

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

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

SET Sweep time=auto-couple.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	3.73	13	PASS
				RB1#3	3.57	13	PASS
				RB1#5	3.57	13	PASS
				RB3#0	3.85	13	PASS
				RB3#2	3.63	13	PASS
				RB3#3	3.84	13	PASS
				RB6#0	5.16	13	PASS
			MCH	RB1#0	3.74	13	PASS
				RB1#3	3.77	13	PASS
				RB1#5	3.61	13	PASS
				RB3#0	3.83	13	PASS
				RB3#2	3.73	13	PASS
				RB3#3	3.97	13	PASS
				RB6#0	5.29	13	PASS
			HCH	RB1#0	3.24	13	PASS
				RB1#3	3.25	13	PASS
				RB1#5	3.29	13	PASS
				RB3#0	3.64	13	PASS
				RB3#2	3.58	13	PASS
				RB3#3	3.67	13	PASS
				RB6#0	5.17	13	PASS
		3	LCH	RB1#0	3.73	13	PASS
				RB1#7	3.25	13	PASS
				RB1#14	3.4	13	PASS
				RB8#0	4.82	13	PASS
				RB8#4	4.56	13	PASS
				RB8#7	4.68	13	PASS
				RB15#0	5.2	13	PASS
			MCH	RB1#0	3.74	13	PASS
				RB1#7	3.43	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	3.7	13	PASS
				RB8#0	4.98	13	PASS
				RB8#4	4.81	13	PASS
				RB8#7	4.89	13	PASS
				RB15#0	5.31	13	PASS
			HCH	RB1#0	3.3	13	PASS
				RB1#7	3.05	13	PASS
				RB1#14	3.48	13	PASS
				RB8#0	4.9	13	PASS
				RB8#4	4.91	13	PASS
				RB8#7	4.86	13	PASS
				RB15#0	5.39	13	PASS
		5	LCH	RB1#0	3.9	13	PASS
				RB1#13	3.44	13	PASS
				RB1#24	3.62	13	PASS
				RB12#0	4.78	13	PASS
				RB12#6	4.55	13	PASS
				RB12#13	4.77	13	PASS
				RB25#0	5.31	13	PASS
			MCH	RB1#0	3.84	13	PASS
				RB1#13	3.64	13	PASS
				RB1#24	3.84	13	PASS
				RB12#0	4.9	13	PASS
				RB12#6	4.78	13	PASS
				RB12#13	4.99	13	PASS
				RB25#0	5.47	13	PASS
			HCH	RB1#0	3.42	13	PASS
				RB1#13	3.32	13	PASS
				RB1#24	3.6	13	PASS
				RB12#0	4.77	13	PASS
				RB12#6	4.69	13	PASS
				RB12#13	4.96	13	PASS
				RB25#0	5.43	13	PASS
		10	LCH	RB1#0	3.75	13	PASS
				RB1#25	3.3	13	PASS
				RB1#49	3.55	13	PASS
				RB25#0	4.83	13	PASS
				RB25#13	4.67	13	PASS
				RB25#25	4.83	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.46	13	PASS
			MCH	RB1#0	3.64	13	PASS
				RB1#25	3.51	13	PASS
				RB1#49	3.71	13	PASS
				RB25#0	5.03	13	PASS
				RB25#13	5	13	PASS
				RB25#25	5.07	13	PASS
				RB50#0	5.6	13	PASS
			HCH	RB1#0	3.24	13	PASS
				RB1#25	3.04	13	PASS
				RB1#49	3.6	13	PASS
				RB25#0	4.75	13	PASS
				RB25#13	4.73	13	PASS
				RB25#25	5.03	13	PASS
				RB50#0	5.52	13	PASS
		15	LCH	RB1#0	3.7	13	PASS
				RB1#38	3.27	13	PASS
				RB1#74	3.62	13	PASS
				RB38#0	4.91	13	PASS
				RB38#19	4.69	13	PASS
				RB38#39	4.86	13	PASS
				RB75#0	5.57	13	PASS
			MCH	RB1#0	3.46	13	PASS
				RB1#38	3.45	13	PASS
				RB1#74	3.49	13	PASS
				RB38#0	5.13	13	PASS
				RB38#19	5.03	13	PASS
				RB38#39	5.13	13	PASS
				RB75#0	5.75	13	PASS
			HCH	RB1#0	3.33	13	PASS
				RB1#38	2.99	13	PASS
				RB1#74	3.58	13	PASS
				RB38#0	4.8	13	PASS
				RB38#19	4.57	13	PASS
				RB38#39	4.88	13	PASS
				RB75#0	5.56	13	PASS
		20	LCH	RB1#0	3.69	13	PASS
				RB1#50	3.3	13	PASS
				RB1#99	3.86	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	4.91	13	PASS
				RB50#25	4.75	13	PASS
				RB50#50	4.98	13	PASS
				RB100#0	5.68	13	PASS
			MCH	RB1#0	3.55	13	PASS
				RB1#50	3.54	13	PASS
				RB1#99	3.5	13	PASS
				RB50#0	5.09	13	PASS
				RB50#25	5.12	13	PASS
				RB50#50	5.19	13	PASS
				RB100#0	5.62	13	PASS
			HCH	RB1#0	3.59	13	PASS
				RB1#50	2.92	13	PASS
				RB1#99	3.51	13	PASS
				RB50#0	4.99	13	PASS
				RB50#25	4.67	13	PASS
				RB50#50	4.85	13	PASS
				RB100#0	5.37	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.84	13	PASS
				RB1#3	4.8	13	PASS
				RB1#5	4.72	13	PASS
				RB3#0	4.93	13	PASS
				RB3#2	4.89	13	PASS
				RB3#3	4.92	13	PASS
				RB6#0	5.67	13	PASS
			MCH	RB1#0	4.64	13	PASS
				RB1#3	4.86	13	PASS
				RB1#5	4.76	13	PASS
				RB3#0	4.92	13	PASS
				RB3#2	4.96	13	PASS
				RB3#3	5.05	13	PASS
				RB6#0	5.87	13	PASS
			HCH	RB1#0	4.63	13	PASS
				RB1#3	4.85	13	PASS
				RB1#5	4.72	13	PASS
				RB3#0	5.05	13	PASS
				RB3#2	5.04	13	PASS
				RB3#3	4.96	13	PASS
				RB6#0	6.01	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3	LCH	RB1#0	4.93	13	PASS
				RB1#7	4.54	13	PASS
				RB1#14	4.73	13	PASS
				RB8#0	5.21	13	PASS
				RB8#4	5.13	13	PASS
				RB8#7	5.16	13	PASS
				RB15#0	5.72	13	PASS
			MCH	RB1#0	4.91	13	PASS
				RB1#7	4.43	13	PASS
				RB1#14	4.86	13	PASS
				RB8#0	5.41	13	PASS
				RB8#4	5.28	13	PASS
				RB8#7	5.51	13	PASS
				RB15#0	6.29	13	PASS
			HCH	RB1#0	4.73	13	PASS
				RB1#7	4.38	13	PASS
				RB1#14	4.83	13	PASS
				RB8#0	5.41	13	PASS
				RB8#4	5.34	13	PASS
				RB8#7	5.41	13	PASS
				RB15#0	5.93	13	PASS
		5	LCH	RB1#0	4.94	13	PASS
				RB1#13	4.68	13	PASS
				RB1#24	4.77	13	PASS
				RB12#0	5.18	13	PASS
				RB12#6	4.92	13	PASS
				RB12#13	5.12	13	PASS
				RB25#0	5.75	13	PASS
			MCH	RB1#0	4.9	13	PASS
				RB1#13	4.94	13	PASS
				RB1#24	4.93	13	PASS
				RB12#0	5.5	13	PASS
				RB12#6	5.38	13	PASS
				RB12#13	5.58	13	PASS
				RB25#0	6	13	PASS
			HCH	RB1#0	4.68	13	PASS
				RB1#13	4.72	13	PASS
				RB1#24	4.97	13	PASS
				RB12#0	5.37	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB12#6	5.19	13	PASS
				RB12#13	5.38	13	PASS
				RB25#0	5.91	13	PASS
			LCH	RB1#0	4.76	13	PASS
				RB1#25	4.33	13	PASS
				RB1#49	4.59	13	PASS
				RB25#0	5.09	13	PASS
				RB25#13	4.94	13	PASS
				RB25#25	5.06	13	PASS
				RB50#0	5.82	13	PASS
		10	MCH	RB1#0	4.98	13	PASS
				RB1#25	4.89	13	PASS
				RB1#49	5.14	13	PASS
				RB25#0	5.73	13	PASS
				RB25#13	5.67	13	PASS
				RB25#25	5.72	13	PASS
				RB50#0	6.26	13	PASS
			HCH	RB1#0	4.41	13	PASS
				RB1#25	4.42	13	PASS
				RB1#49	5.01	13	PASS
				RB25#0	5.08	13	PASS
				RB25#13	5.23	13	PASS
				RB25#25	5.56	13	PASS
				RB50#0	6.14	13	PASS
		15	LCH	RB1#0	4.93	13	PASS
				RB1#38	4.45	13	PASS
				RB1#74	4.65	13	PASS
				RB38#0	5.3	13	PASS
				RB38#19	5.04	13	PASS
				RB38#39	5.27	13	PASS
				RB75#0	6	13	PASS
			MCH	RB1#0	5	13	PASS
				RB1#38	4.92	13	PASS
				RB1#74	4.8	13	PASS
				RB38#0	5.74	13	PASS
				RB38#19	5.56	13	PASS
				RB38#39	5.72	13	PASS
				RB75#0	6.36	13	PASS
			HCH	RB1#0	4.78	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#38	4.34	13	PASS
				RB1#74	4.84	13	PASS
				RB38#0	5.25	13	PASS
				RB38#19	5.1	13	PASS
				RB38#39	5.48	13	PASS
				RB75#0	6.14	13	PASS
		20	LCH	RB1#0	4.88	13	PASS
				RB1#50	4.23	13	PASS
				RB1#99	5.09	13	PASS
				RB50#0	5.41	13	PASS
				RB50#25	5.26	13	PASS
				RB50#50	5.5	13	PASS
				RB100#0	6.14	13	PASS
			MCH	RB1#0	4.68	13	PASS
				RB1#50	4.58	13	PASS
				RB1#99	4.65	13	PASS
				RB50#0	5.55	13	PASS
				RB50#25	5.72	13	PASS
				RB50#50	5.8	13	PASS
				RB100#0	6.43	13	PASS
			HCH	RB1#0	4.75	13	PASS
				RB1#50	4.13	13	PASS
				RB1#99	4.96	13	PASS
				RB50#0	5.66	13	PASS
				RB50#25	5.26	13	PASS
				RB50#50	5.56	13	PASS
				RB100#0	6.18	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

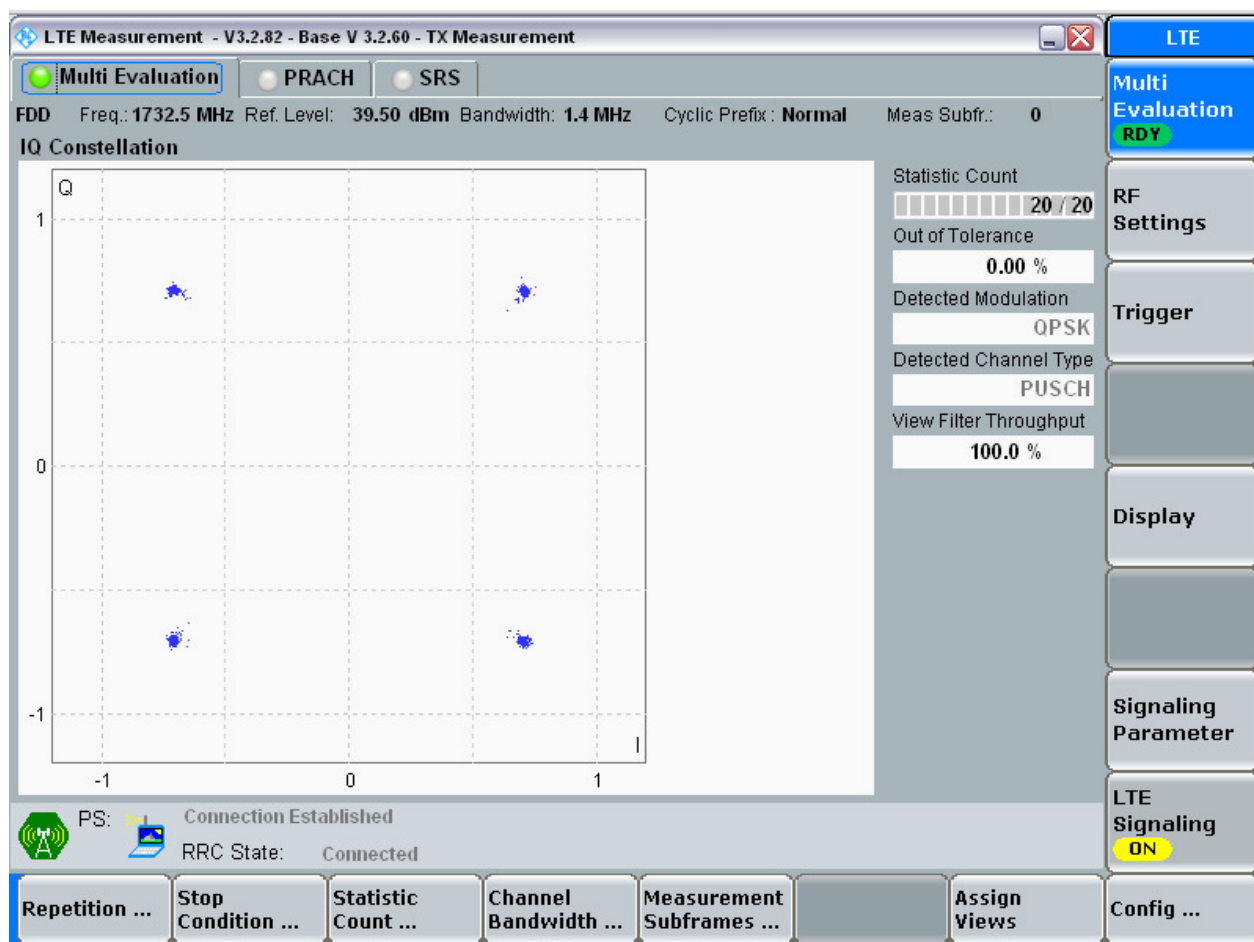
3.1.1 Test Band = BAND4

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

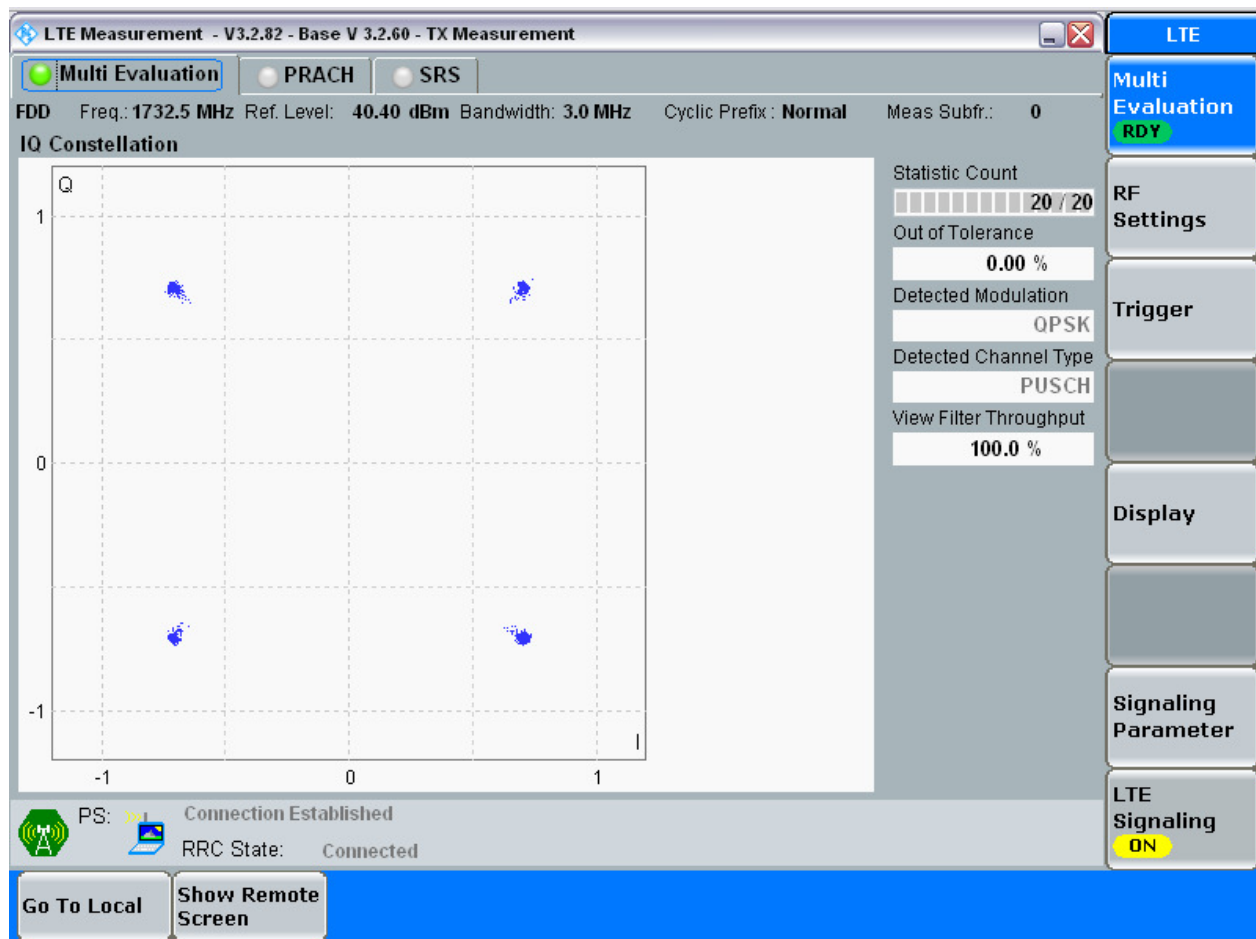
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

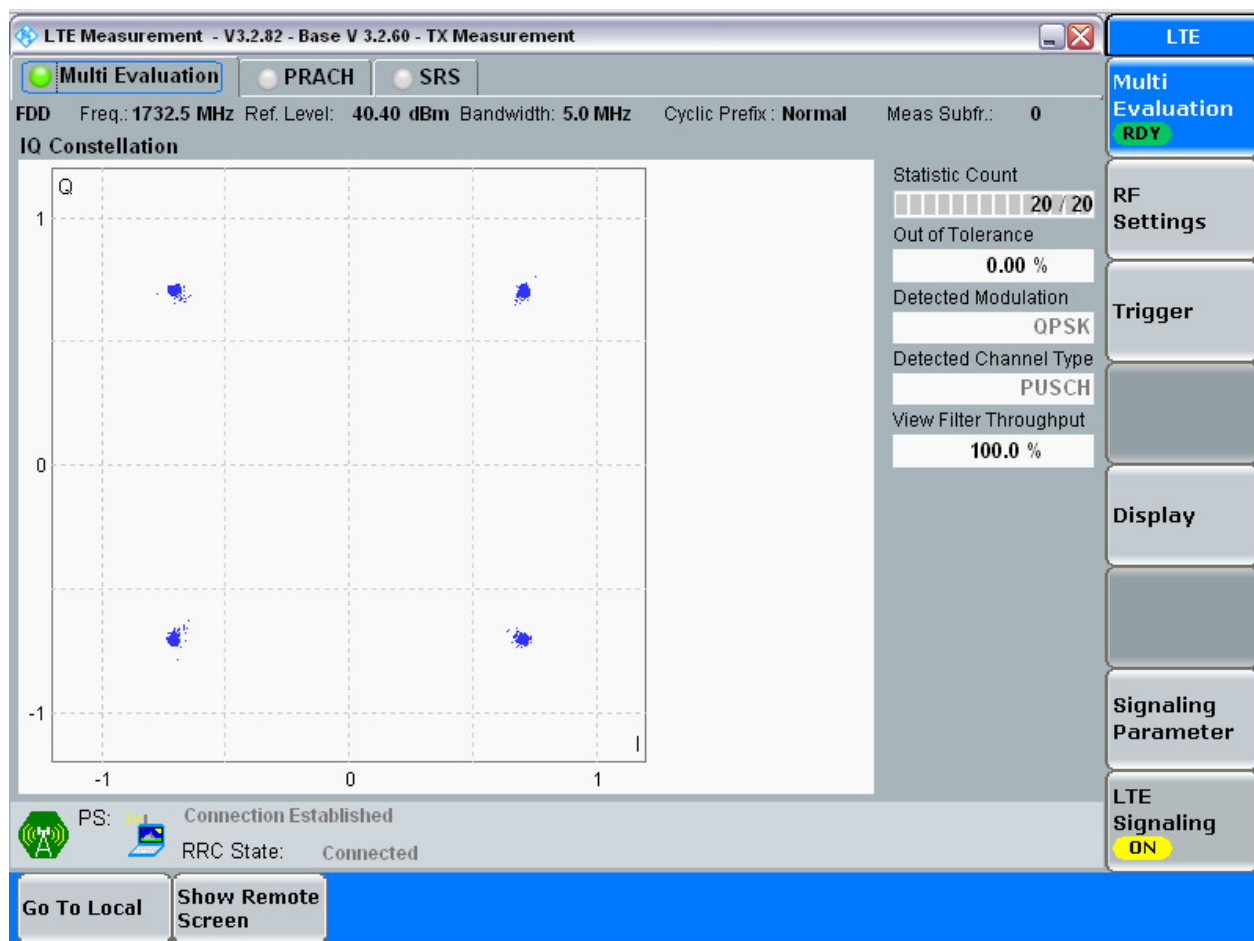
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

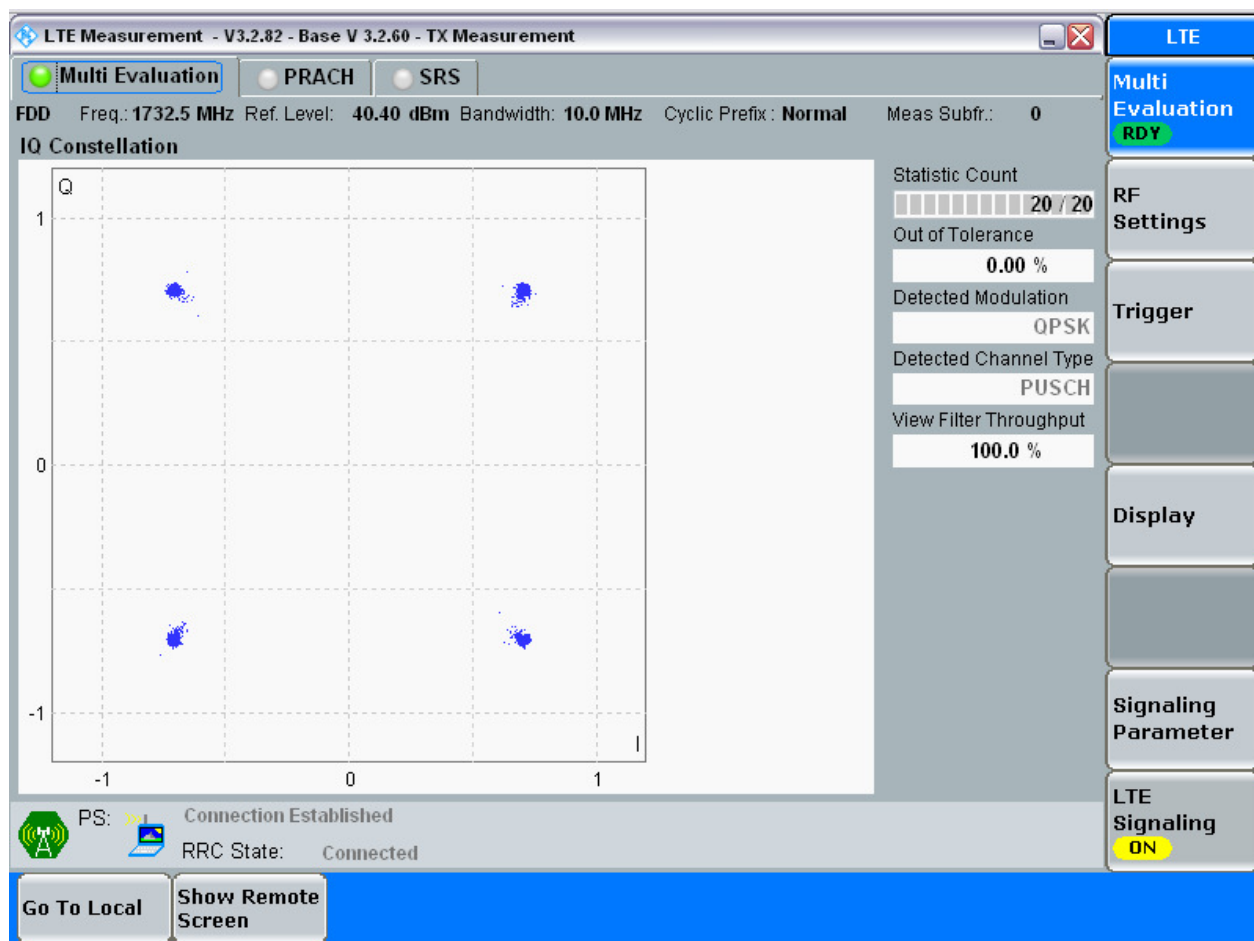
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

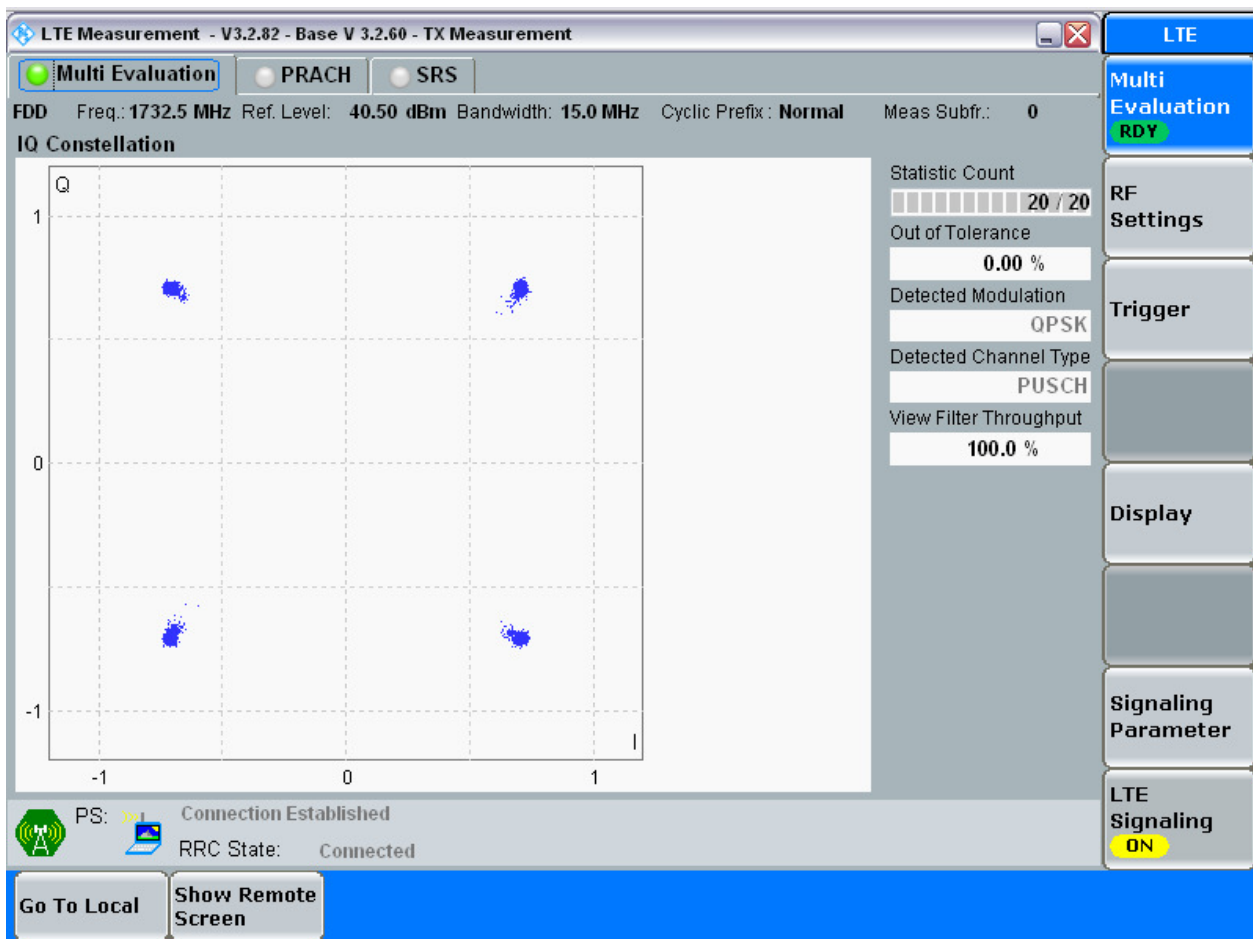
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

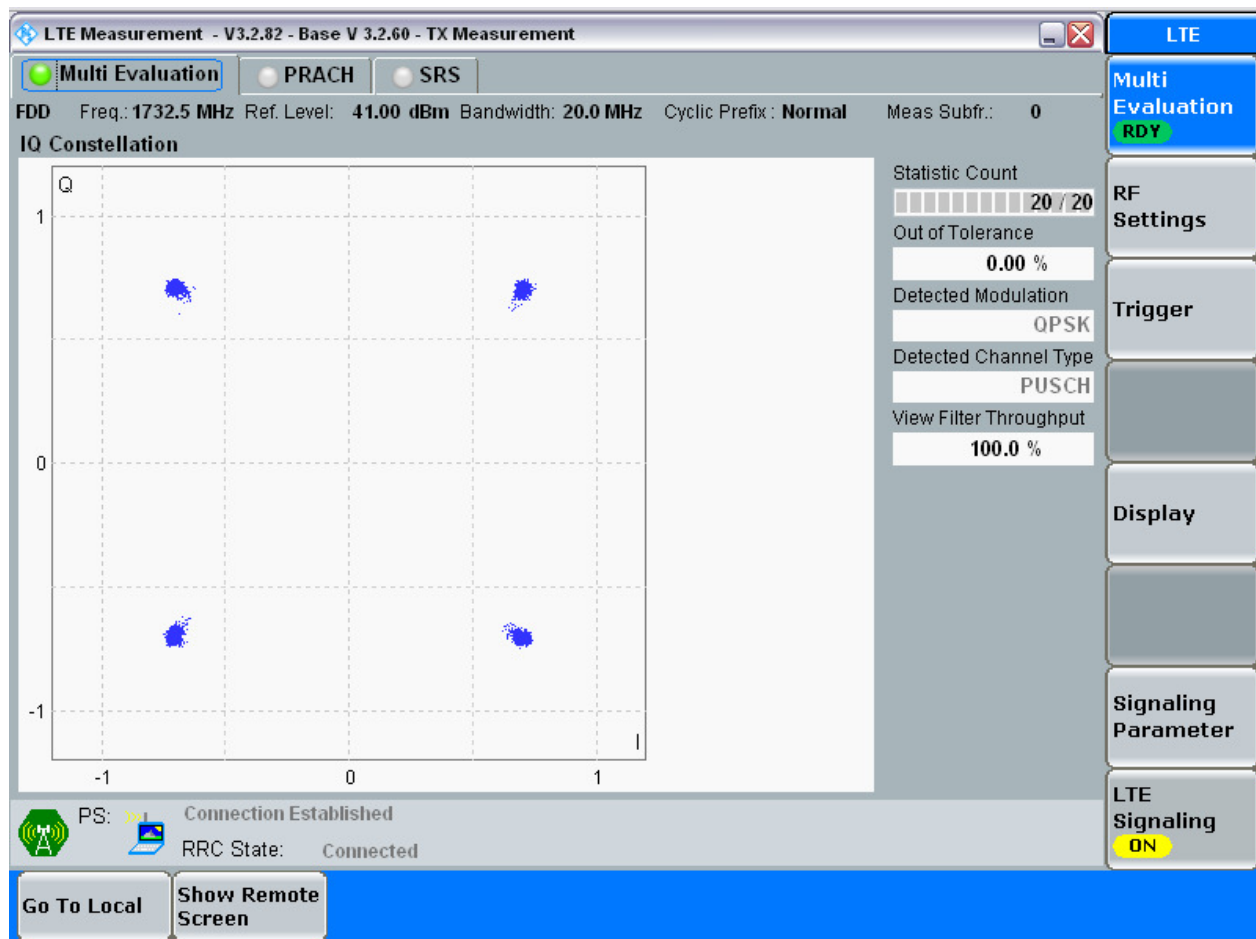
3.1.1.1.5.1.1 Test RB = RB75#0



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

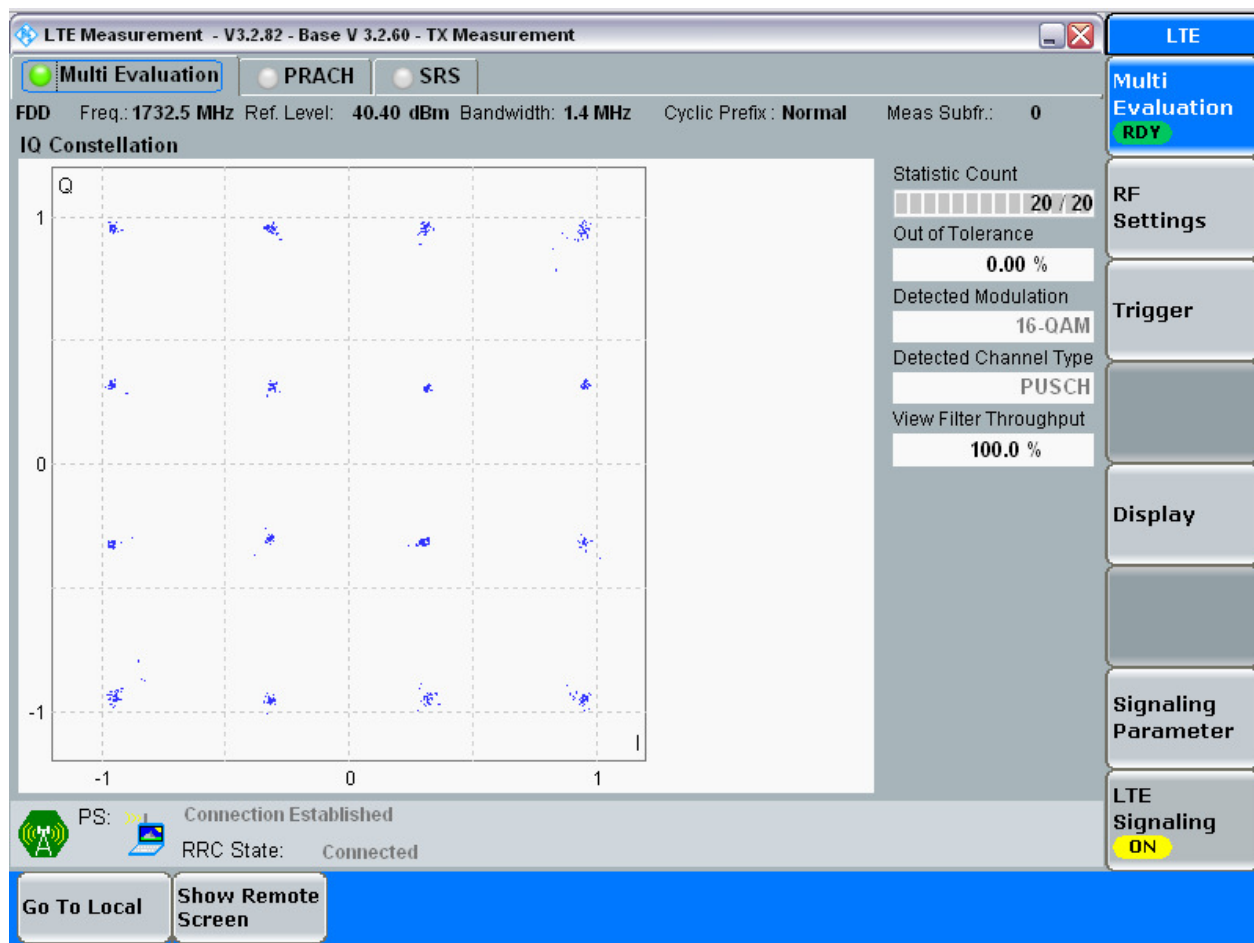


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

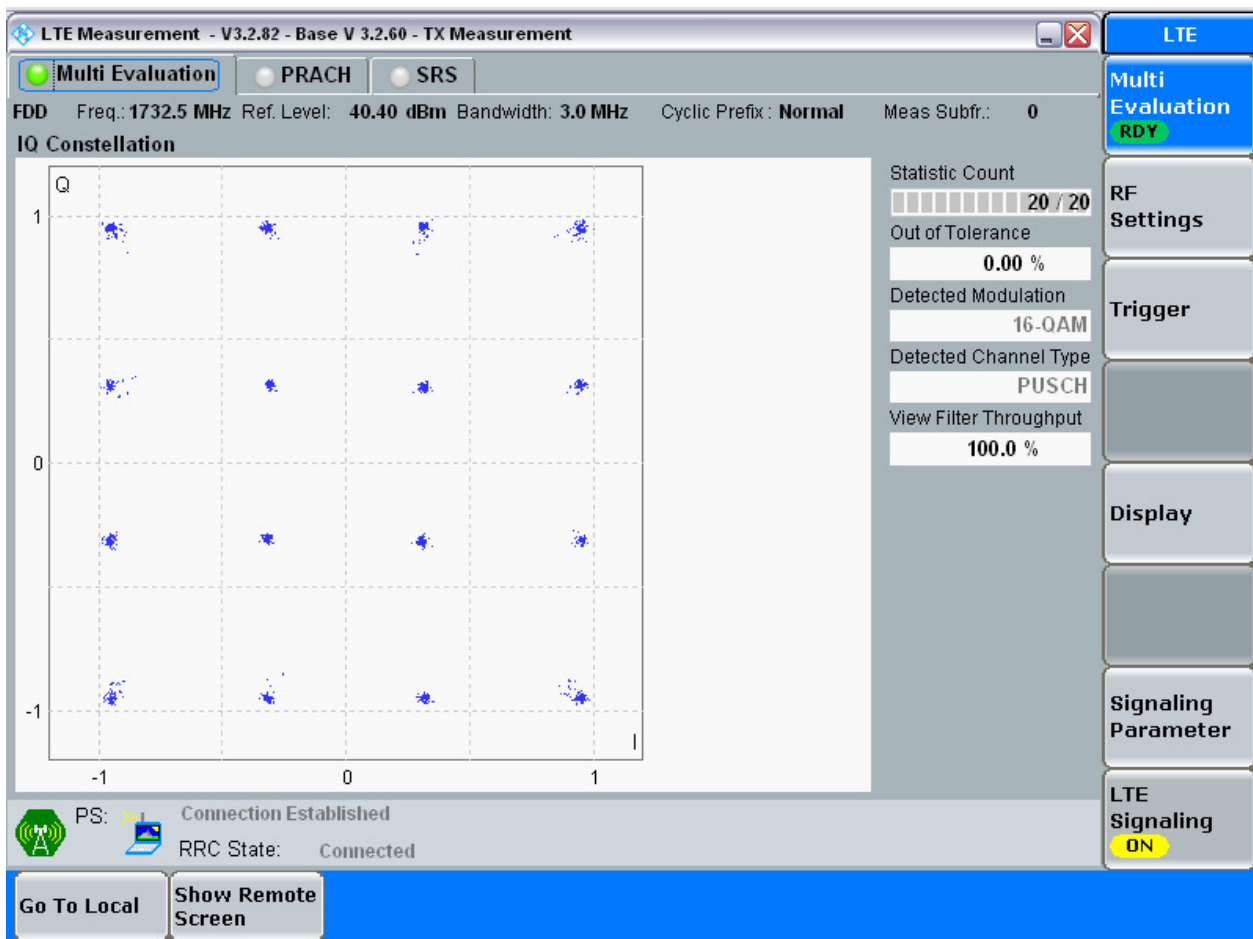
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

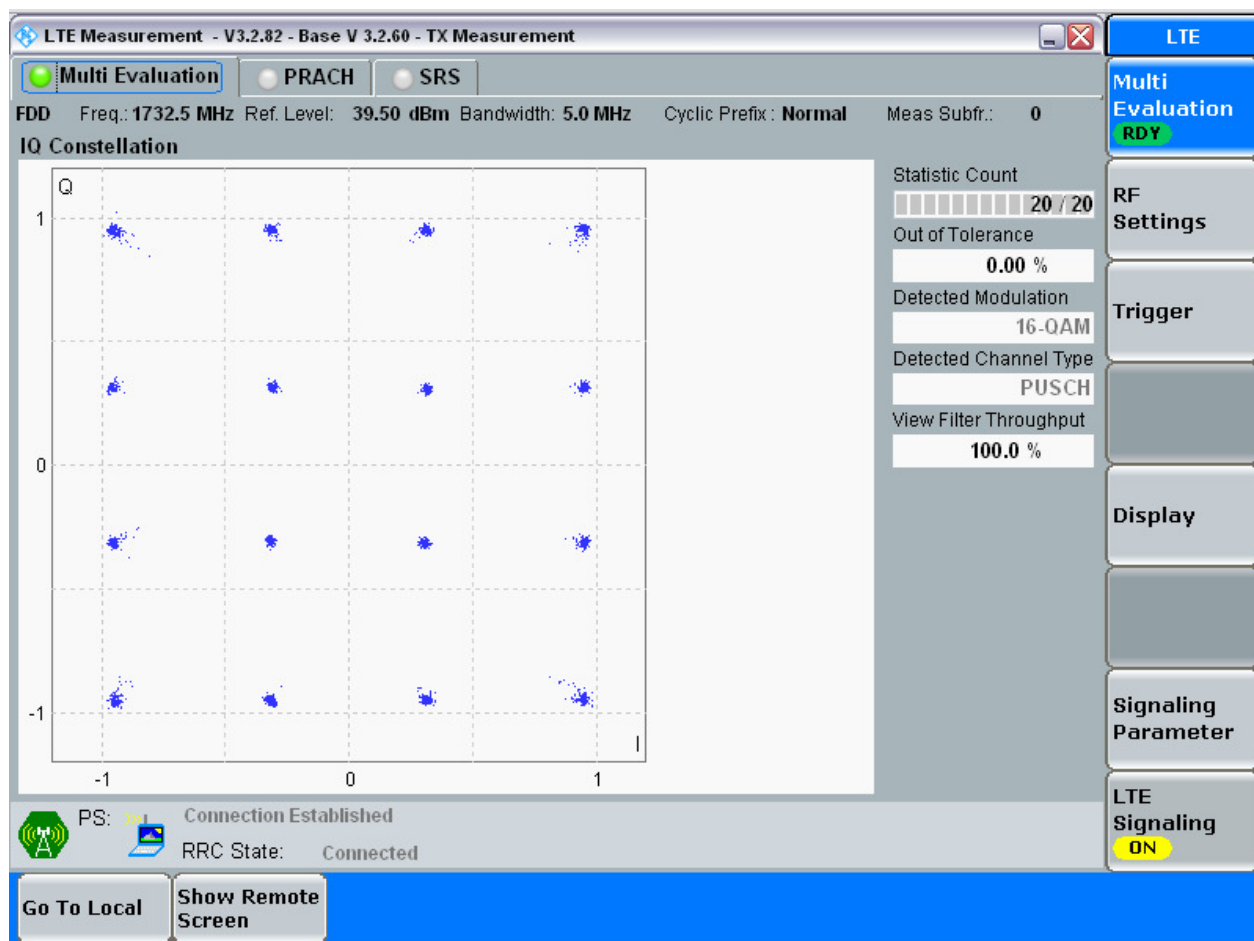
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

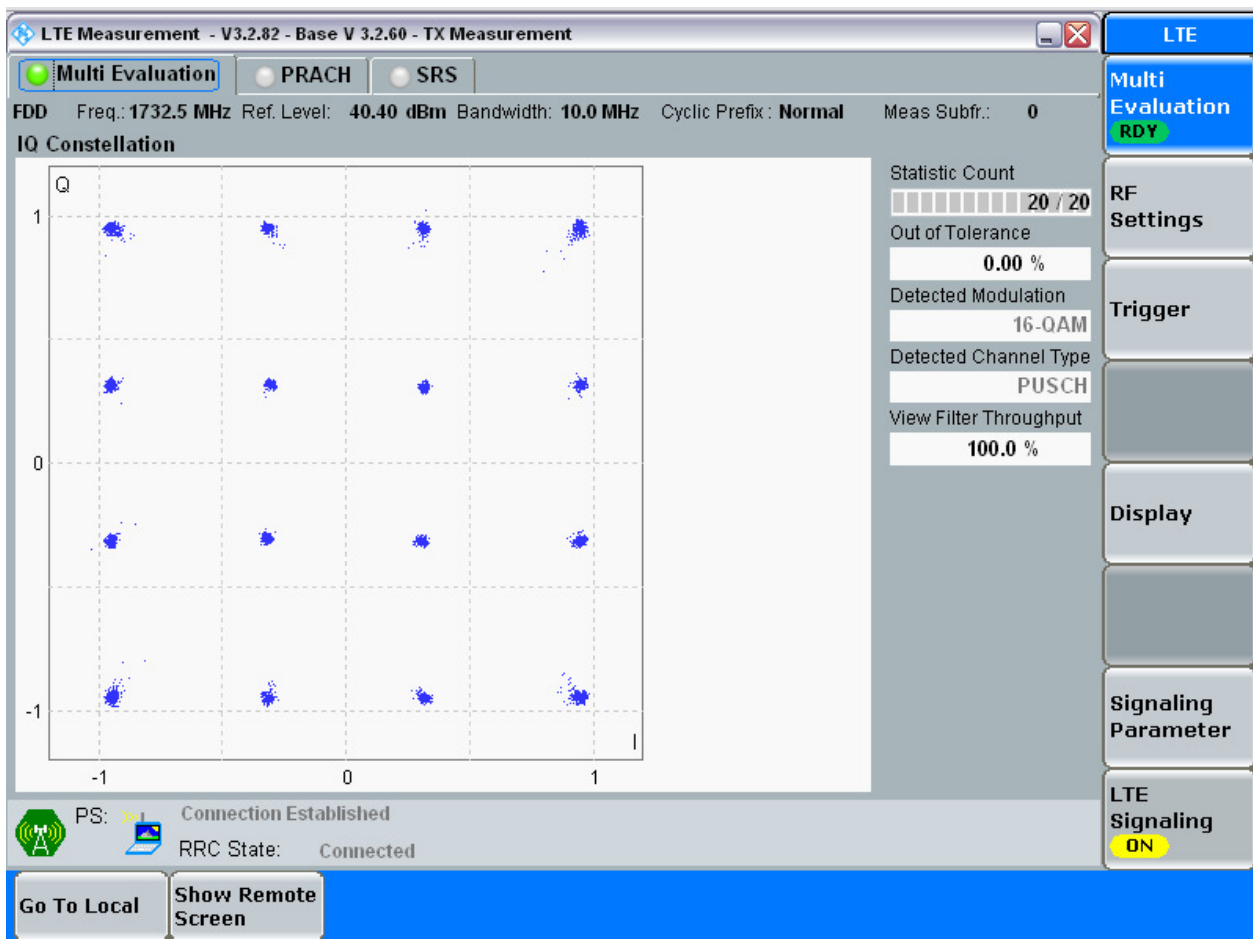
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

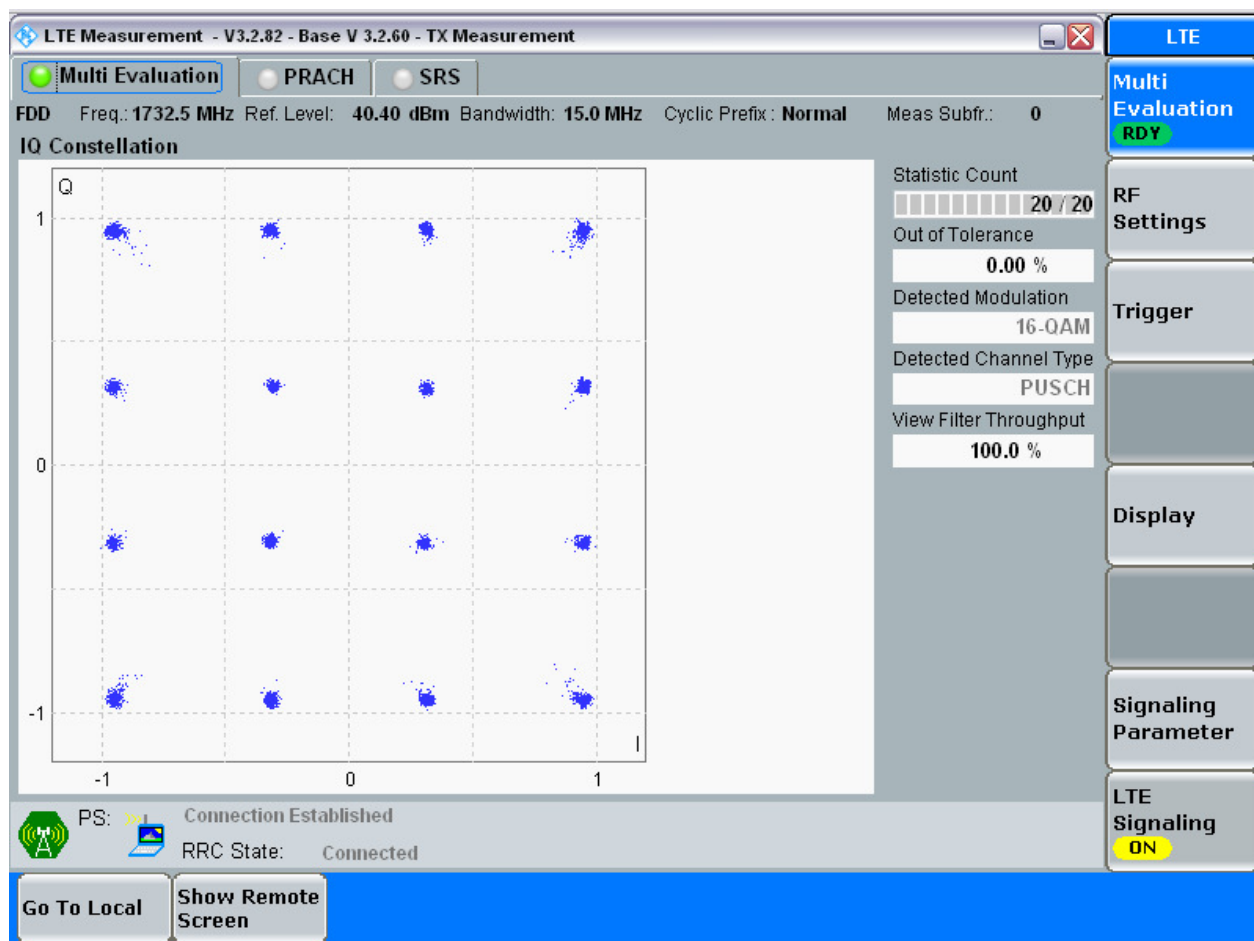
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

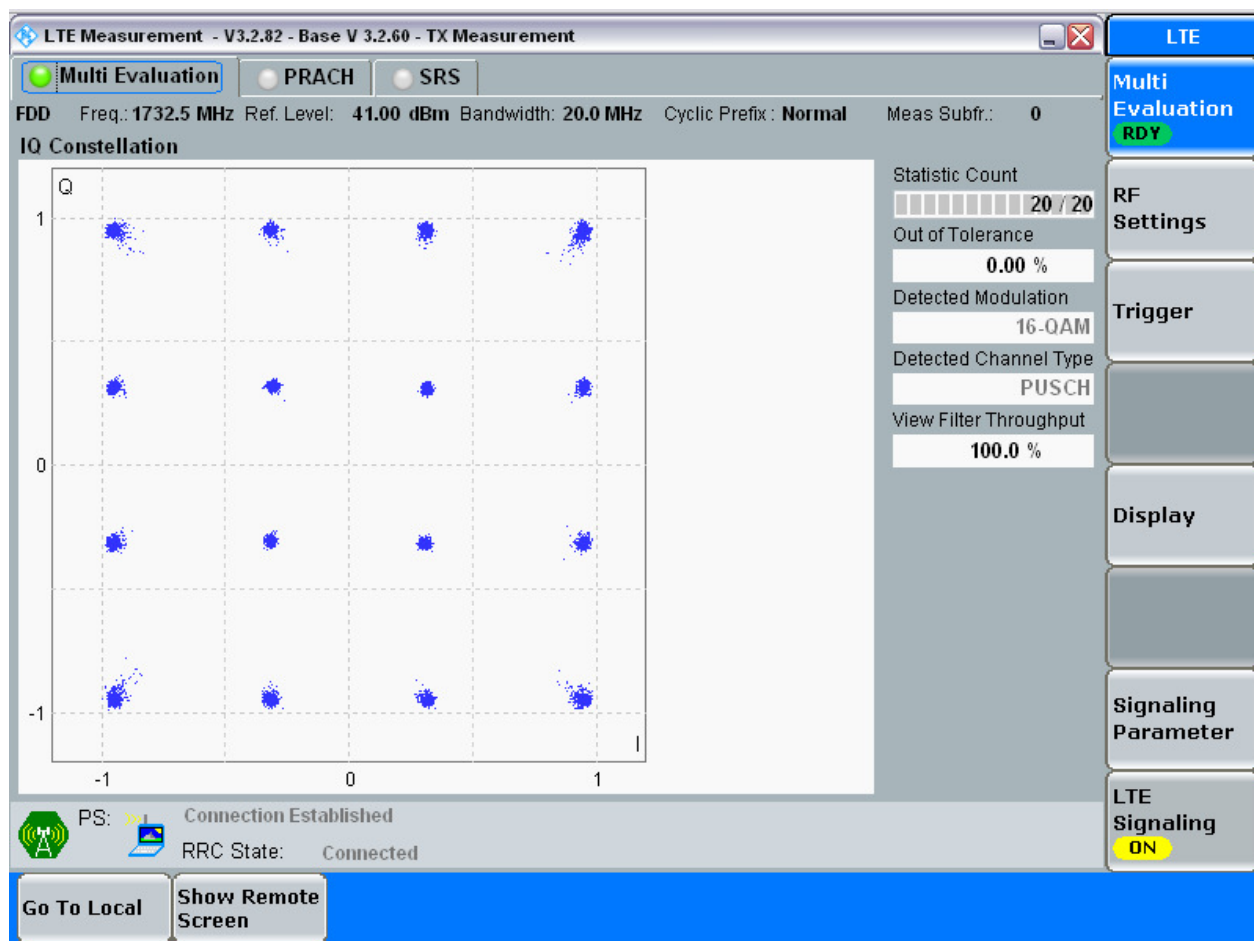
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.23	Pass
			MCH	RB6#0	1.09	1.22	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.71	2.95	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.51	4.87	Pass
			MCH	RB25#0	4.50	4.85	Pass
			HCH	RB25#0	4.50	4.87	Pass
		10	LCH	RB50#0	8.99	9.61	Pass
			MCH	RB50#0	8.99	9.59	Pass
			HCH	RB50#0	8.97	9.56	Pass
		15	LCH	RB75#0	13.48	14.40	Pass
			MCH	RB75#0	13.48	14.40	Pass
			HCH	RB75#0	13.46	14.41	Pass
		20	LCH	RB100#0	17.96	19.08	Pass
			MCH	RB100#0	17.96	19.13	Pass
			HCH	RB100#0	17.94	19.12	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.22	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.71	2.95	Pass
			MCH	RB15#0	2.71	2.95	Pass
			HCH	RB15#0	2.71	2.95	Pass
		5	LCH	RB25#0	4.50	4.88	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.51	4.86	Pass
		10	LCH	RB50#0	9.00	9.63	Pass
			MCH	RB50#0	8.99	9.61	Pass
			HCH	RB50#0	8.99	9.59	Pass



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.48	14.48	Pass
			MCH	RB75#0	13.48	14.43	Pass
			HCH	RB75#0	13.46	14.41	Pass
		20	LCH	RB100#0	17.96	19.13	Pass
			MCH	RB100#0	17.98	19.15	Pass
			HCH	RB100#0	17.94	19.08	Pass



Part II - Test Plots

4.1 For LTE

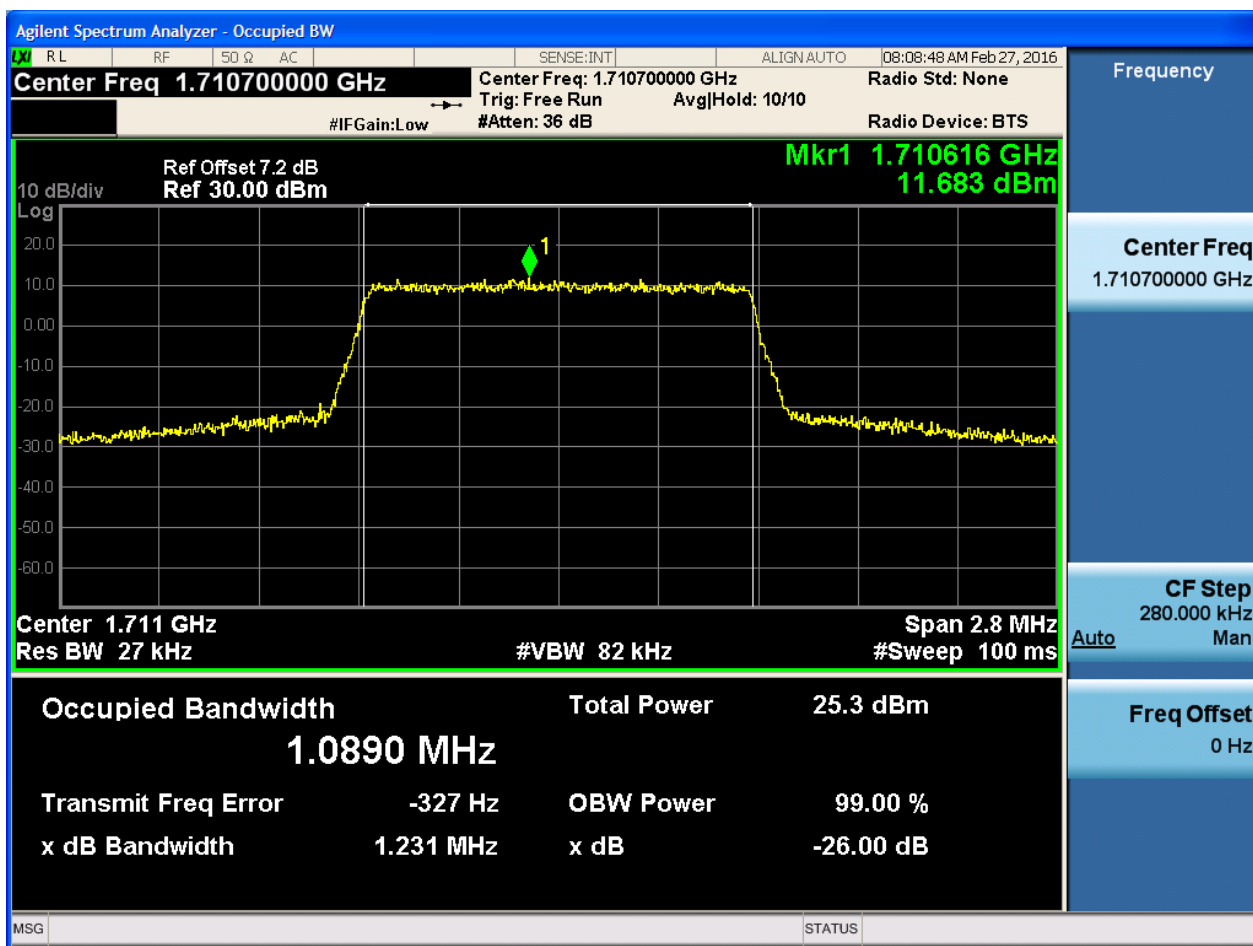
4.1.1 Test Band = BAND4

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

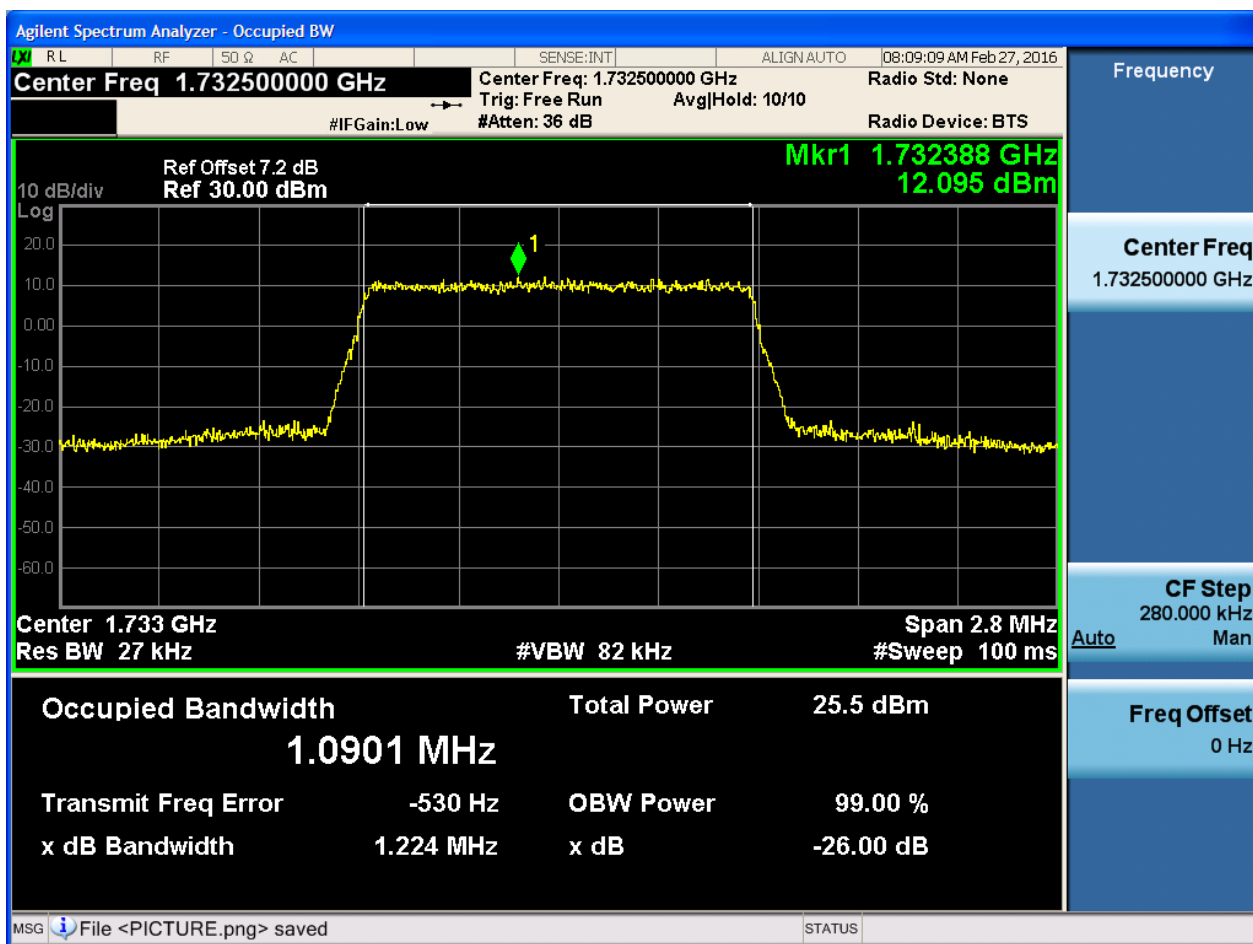
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

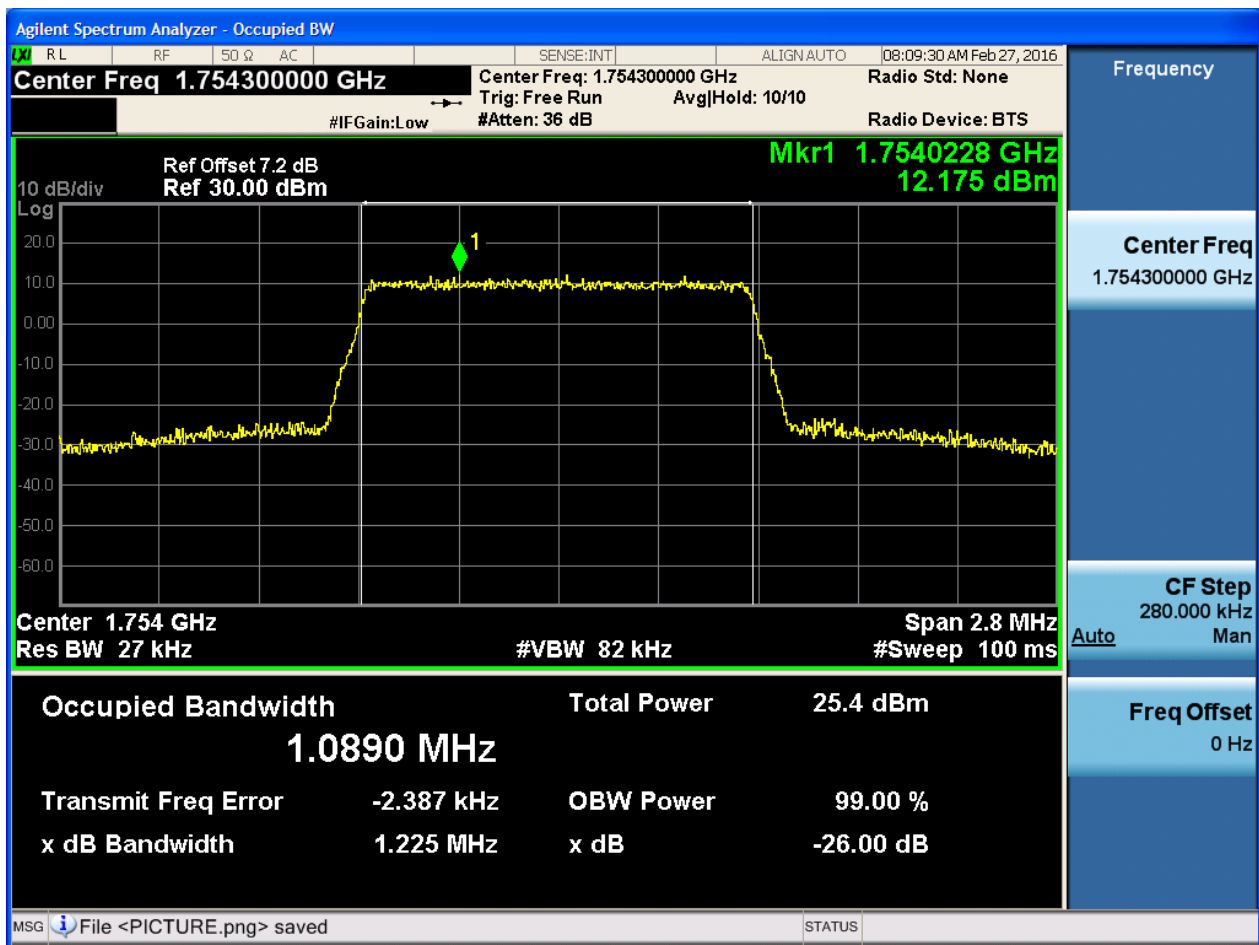
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

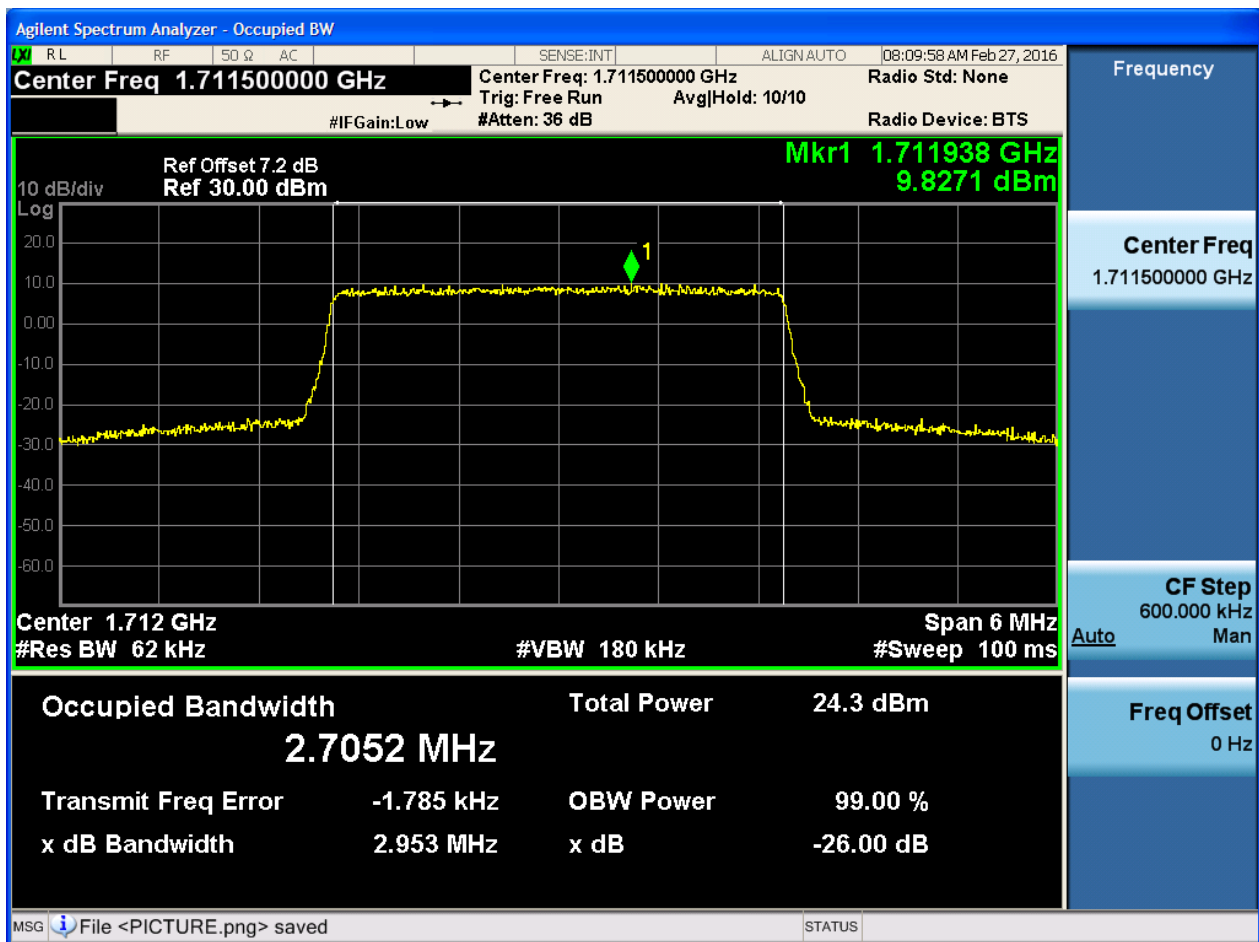




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

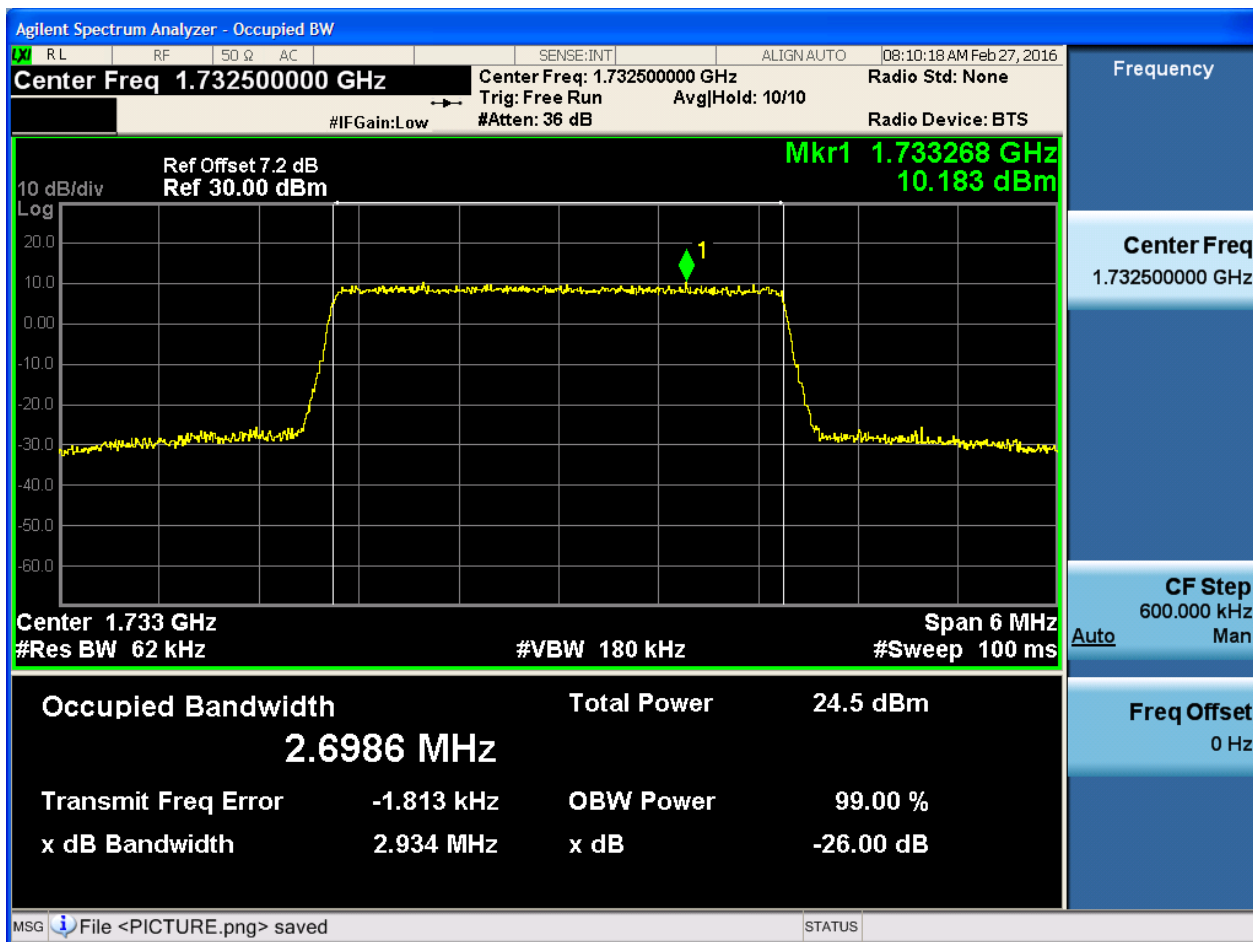
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

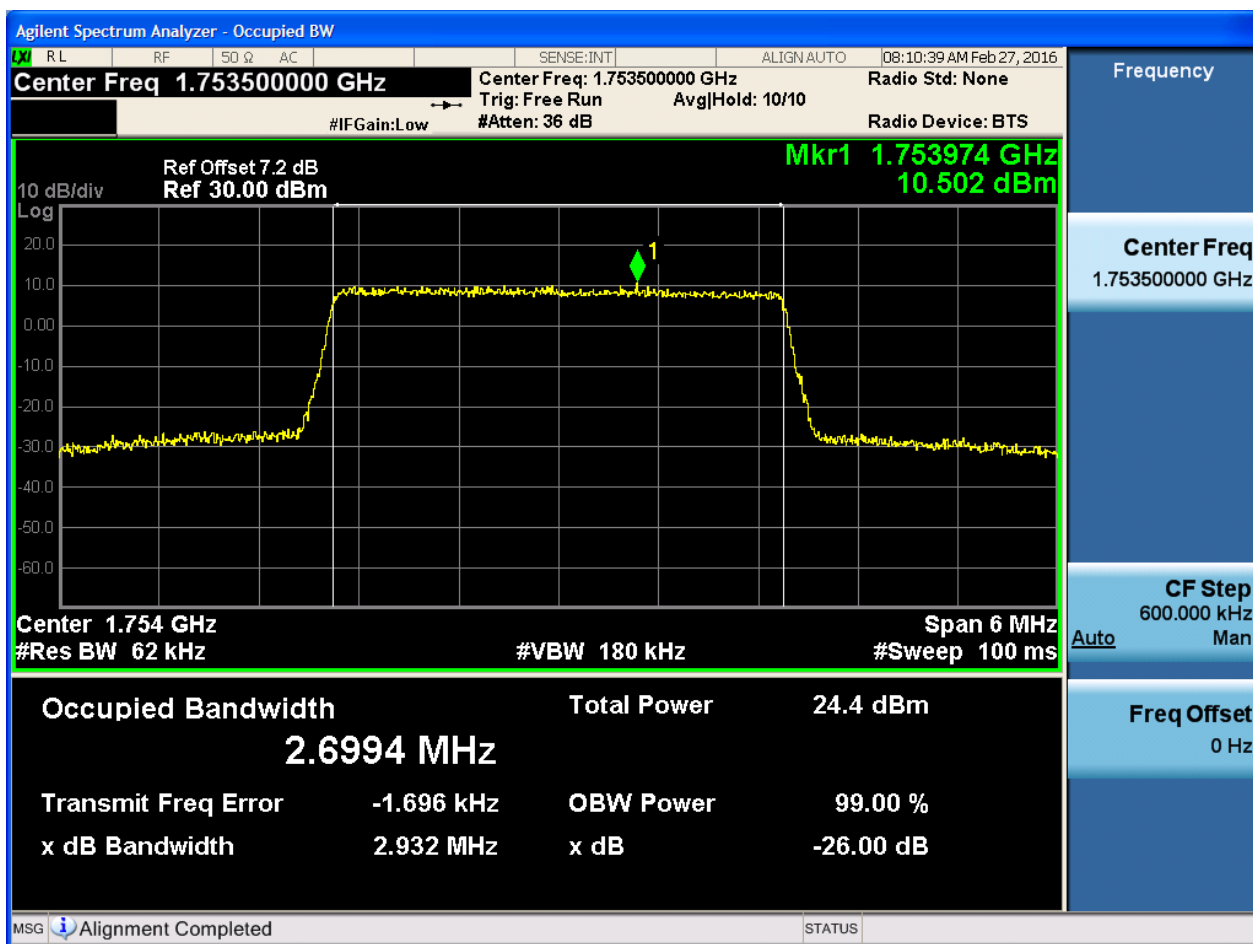
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

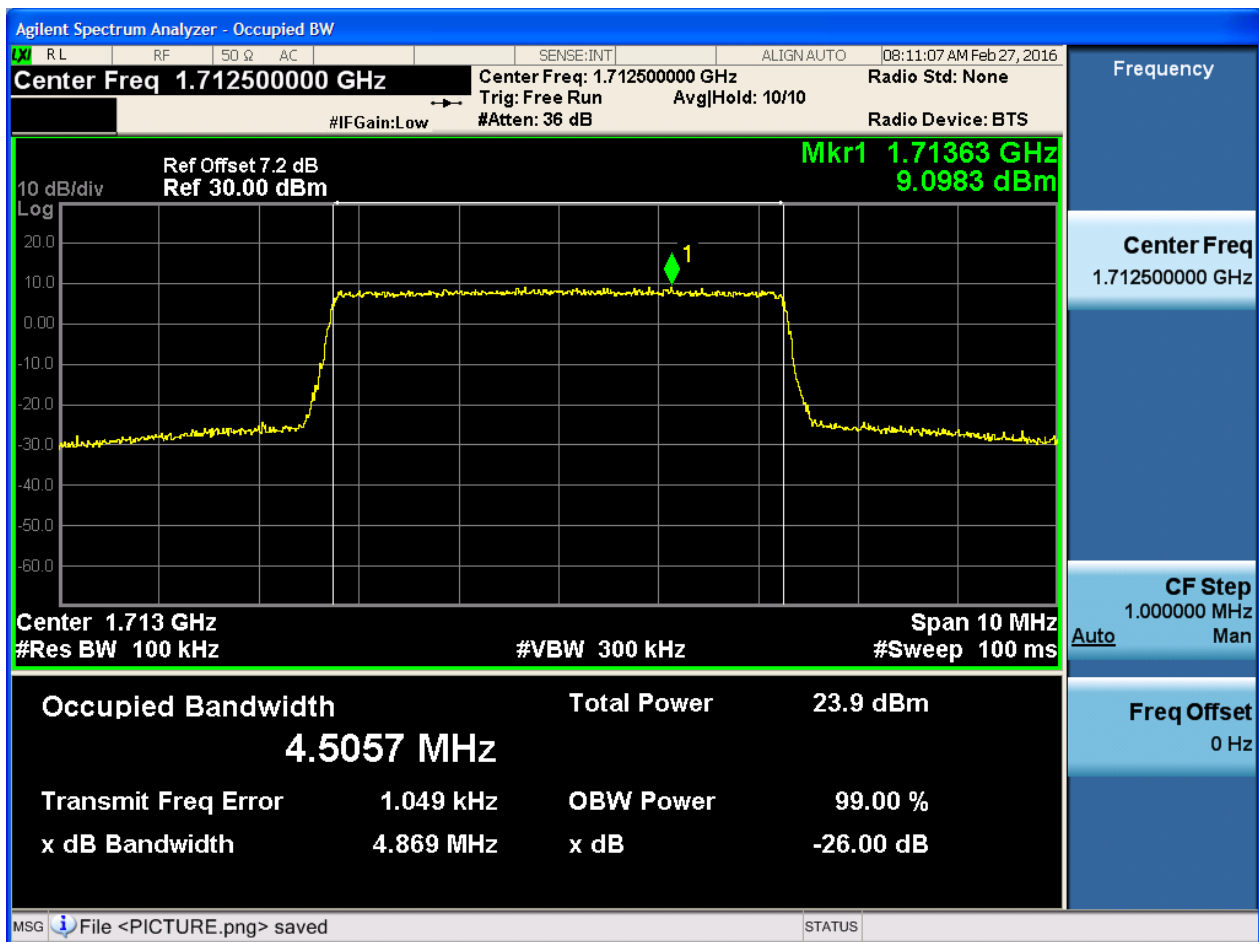




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

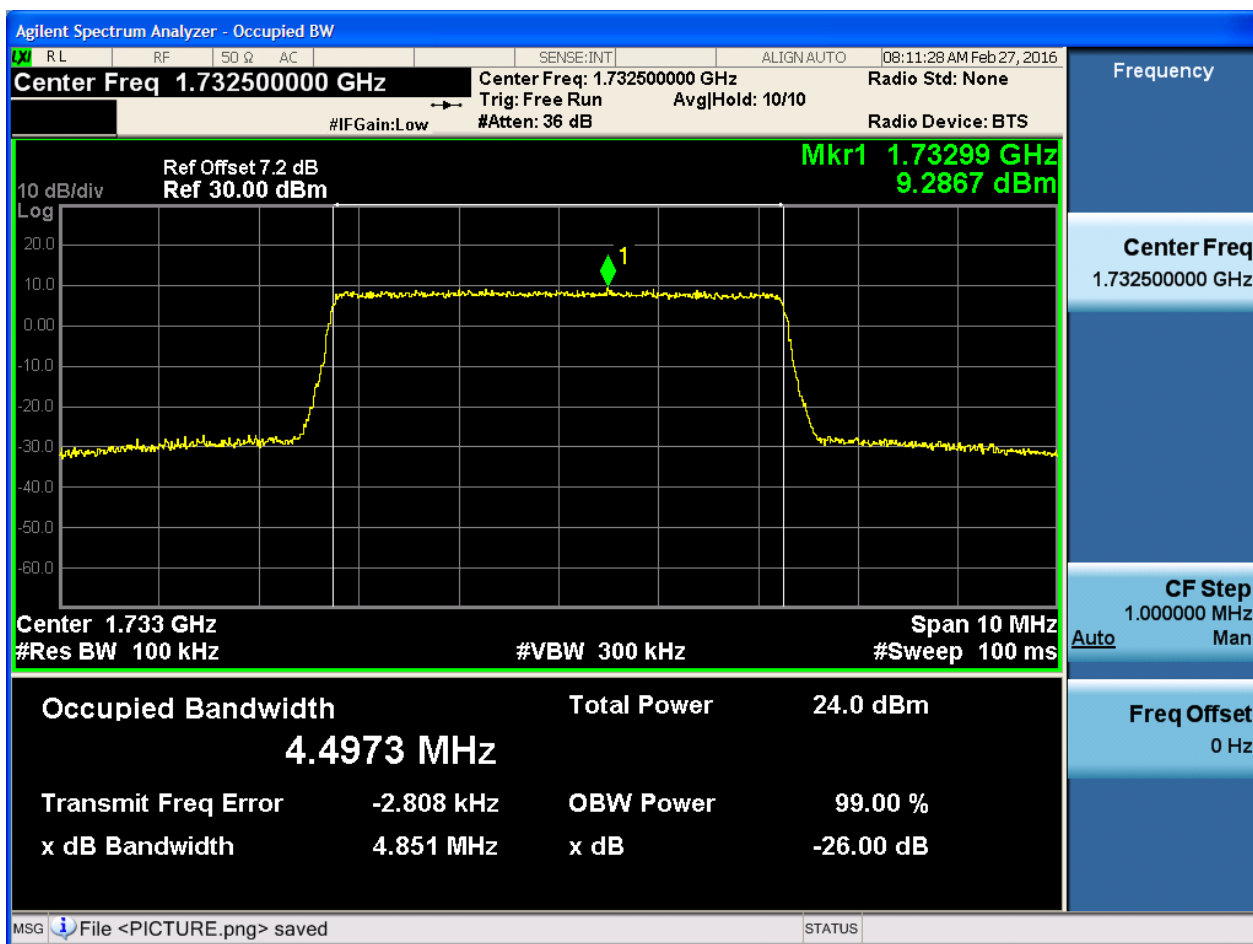
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

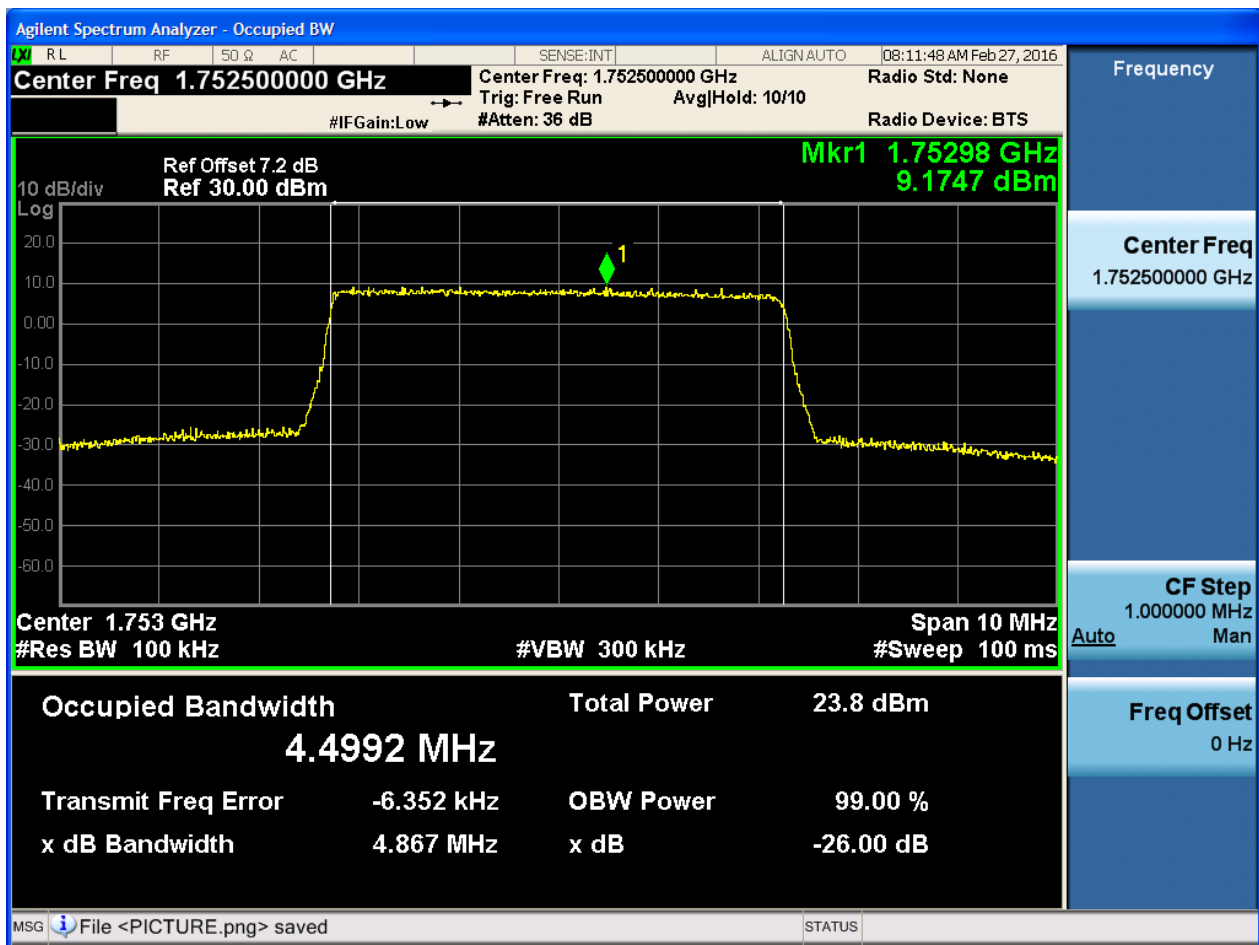
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

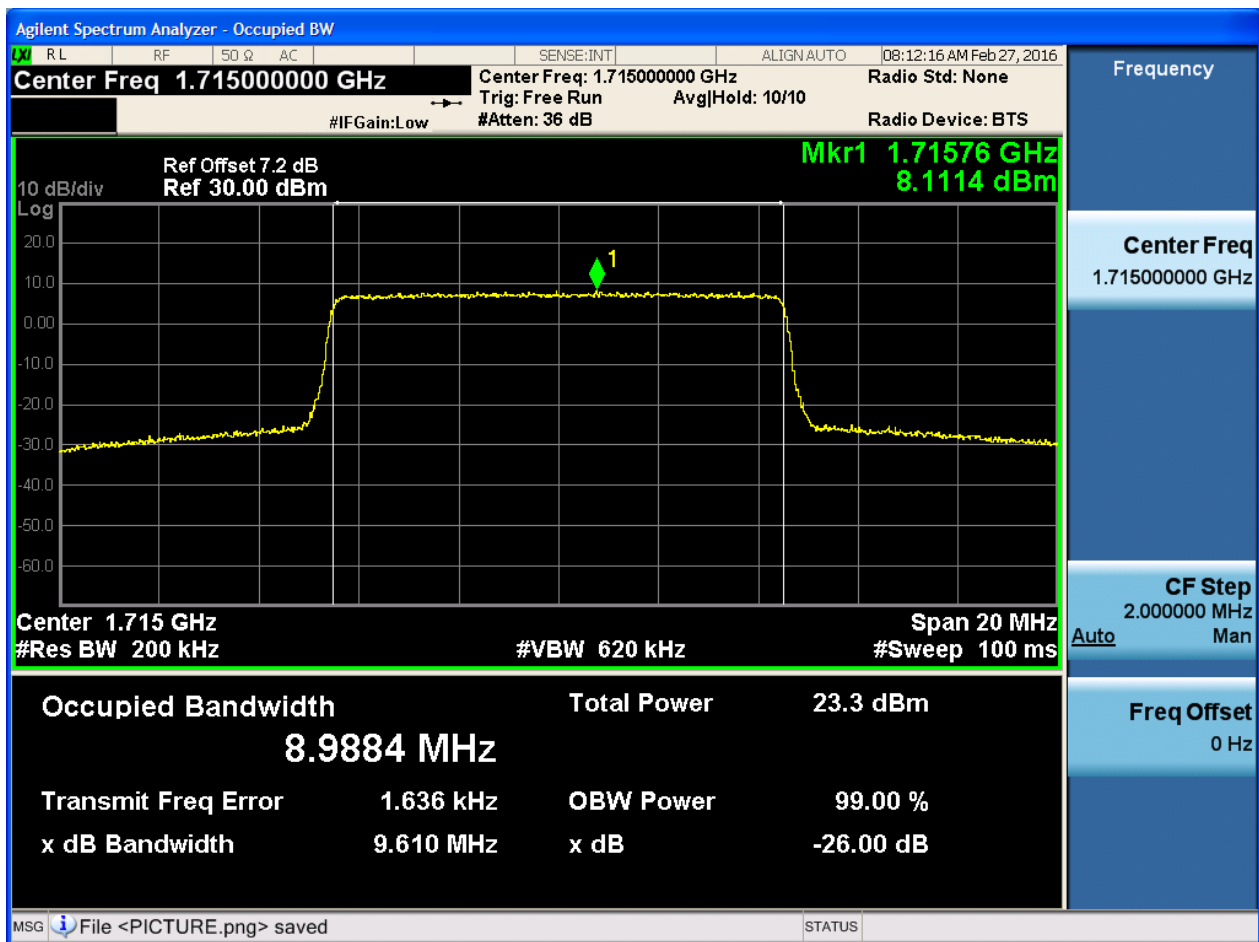




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

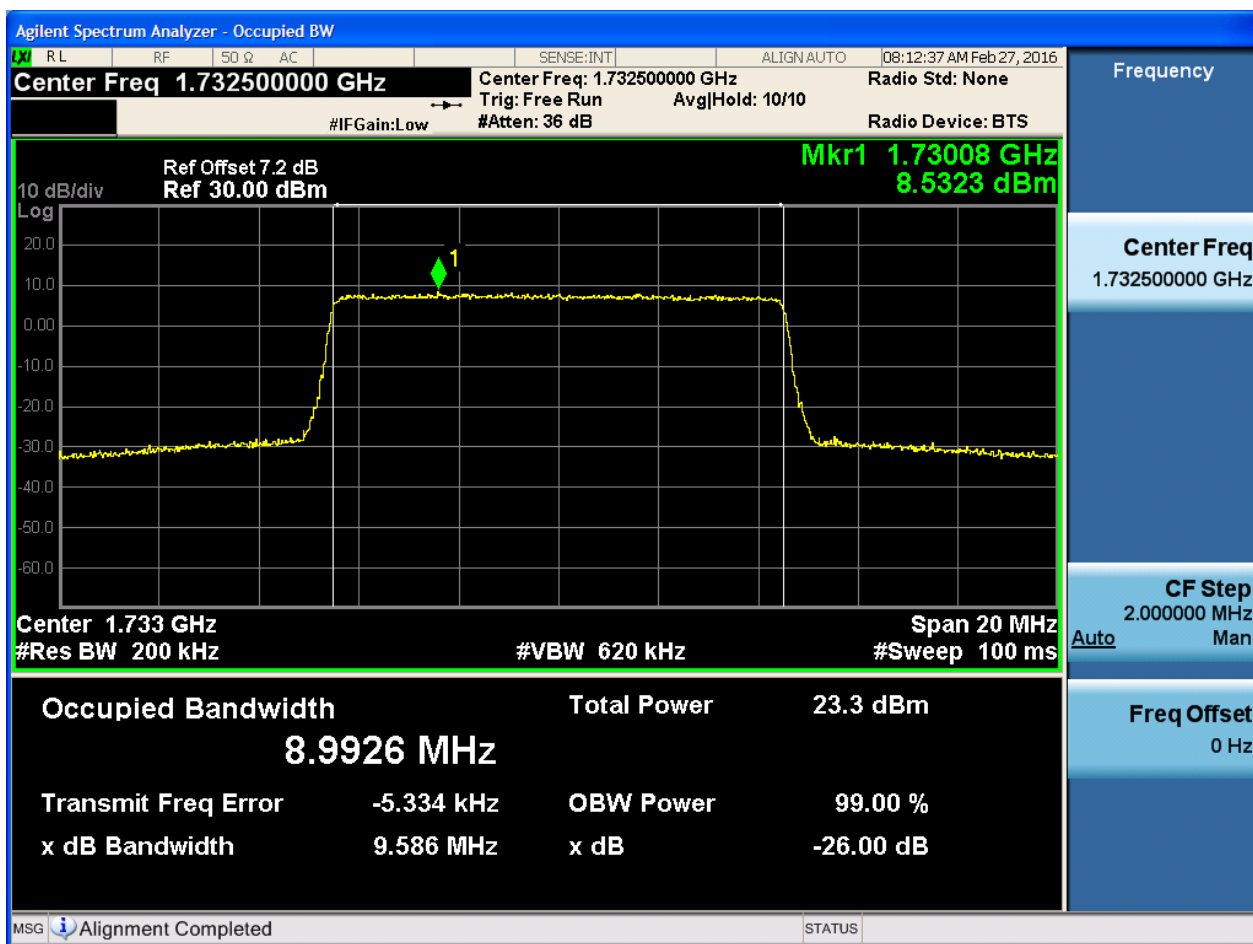
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

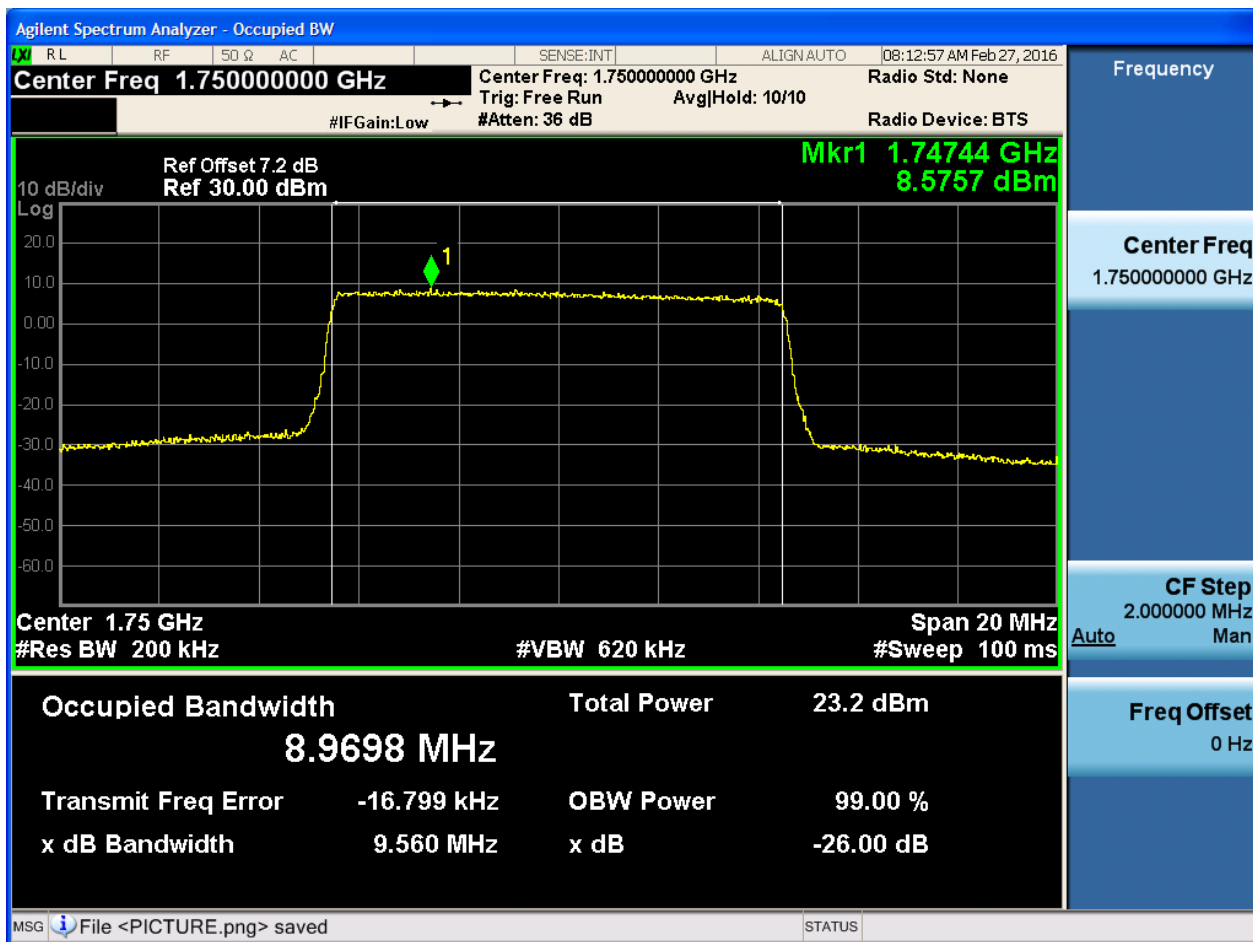
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

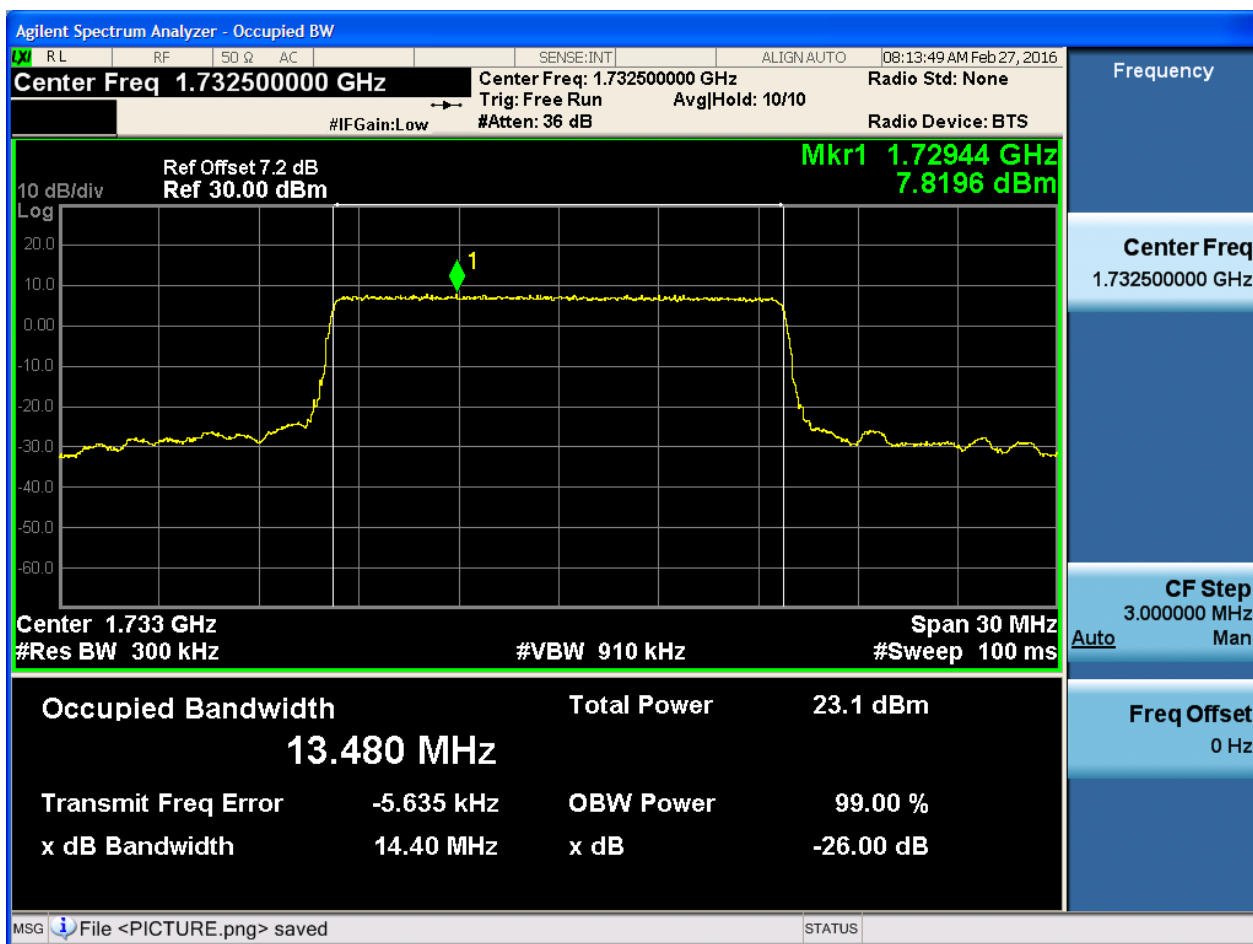






4.1.1.1.5.2 Test Channel = MCH

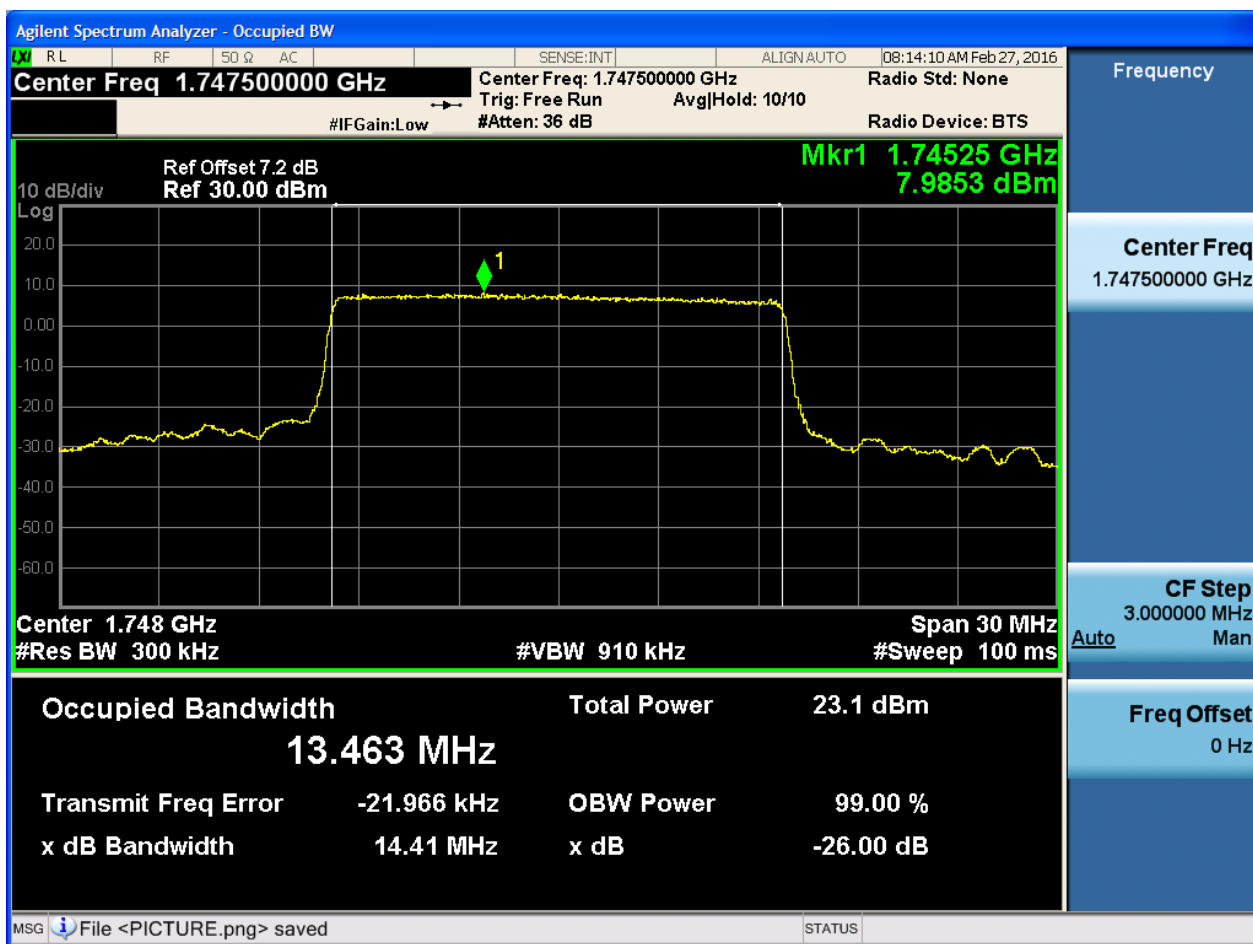
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

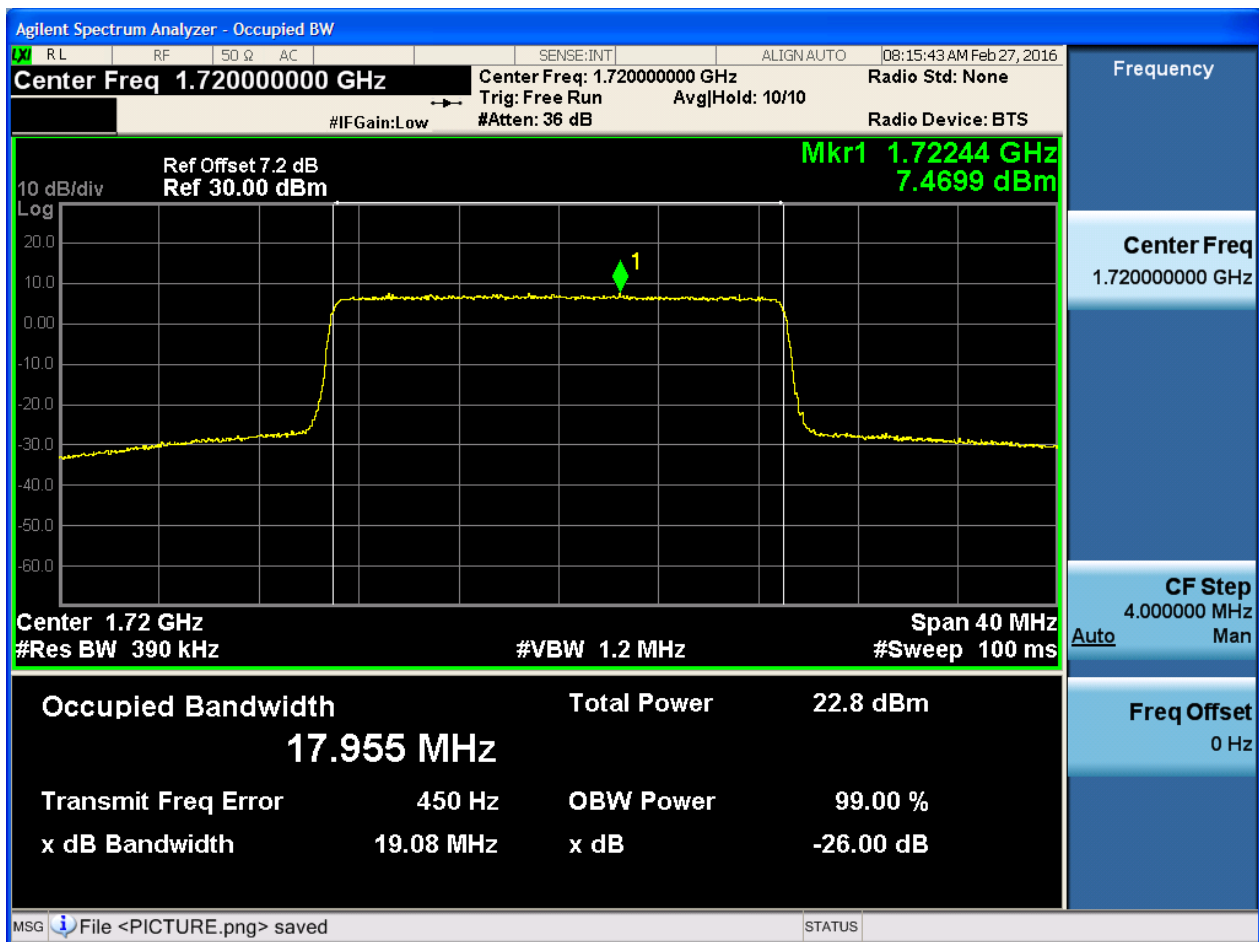




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

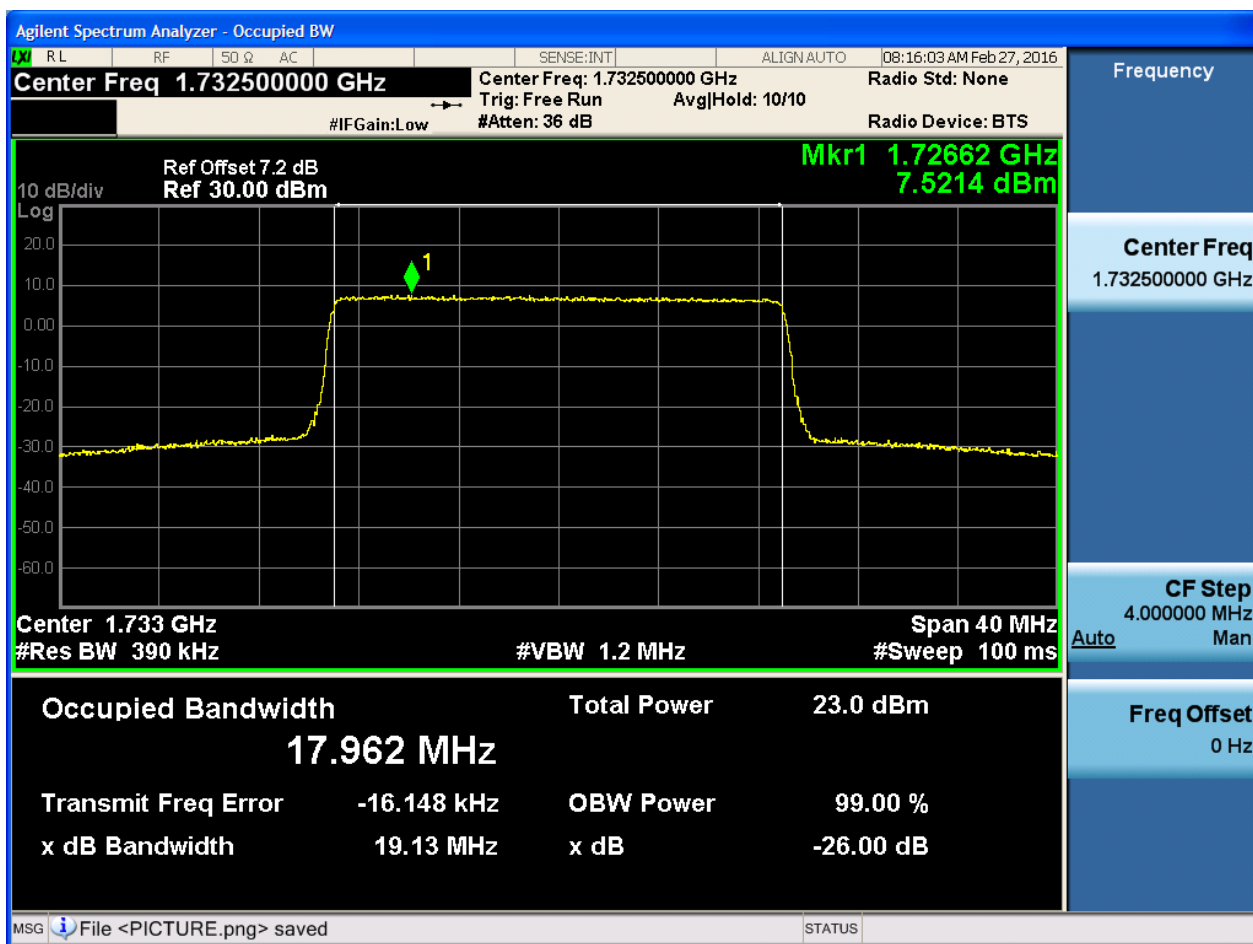
4.1.1.1.6.1.1 Test RB = RB100#0





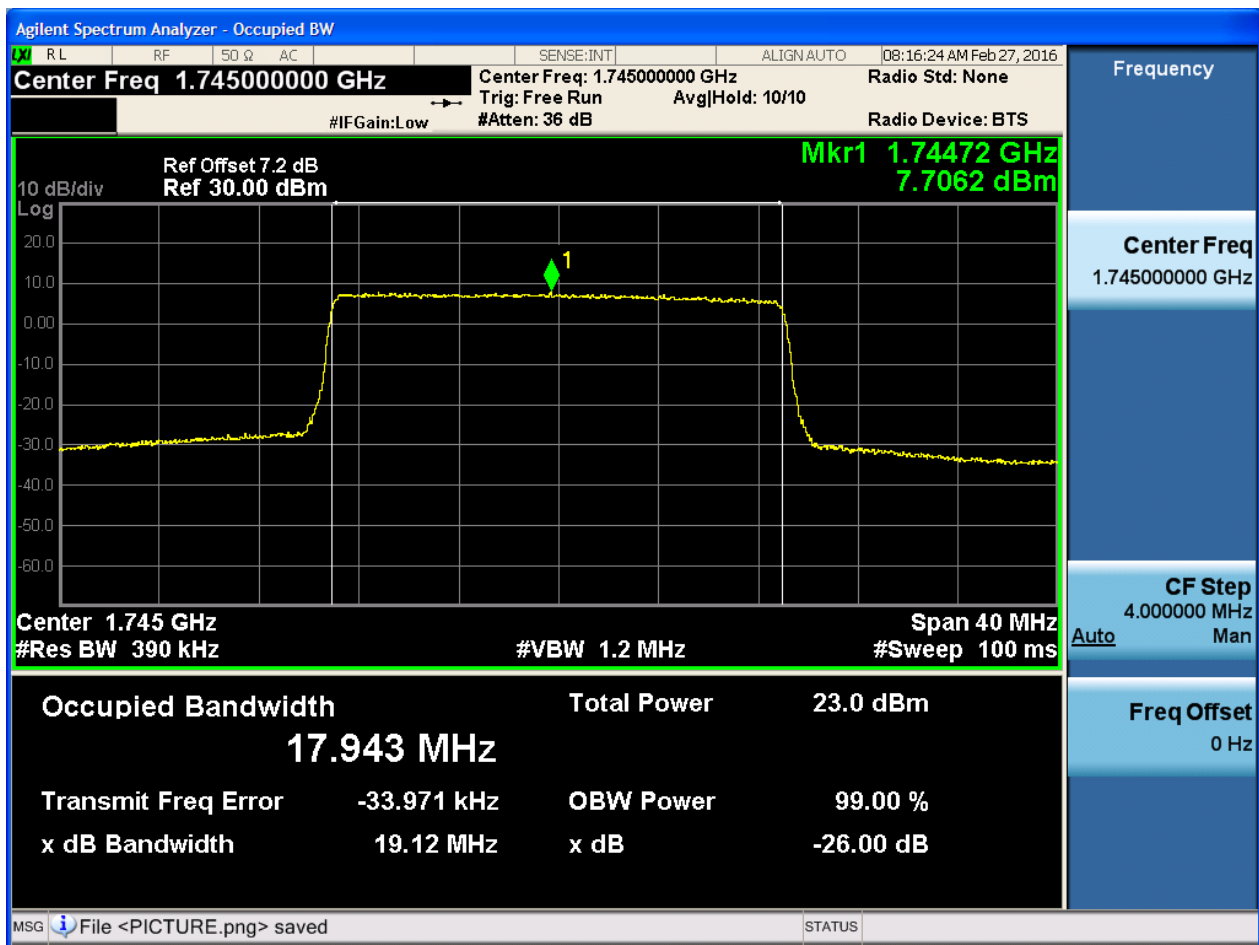
4.1.1.1.6.2 Test Channel = MCH

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

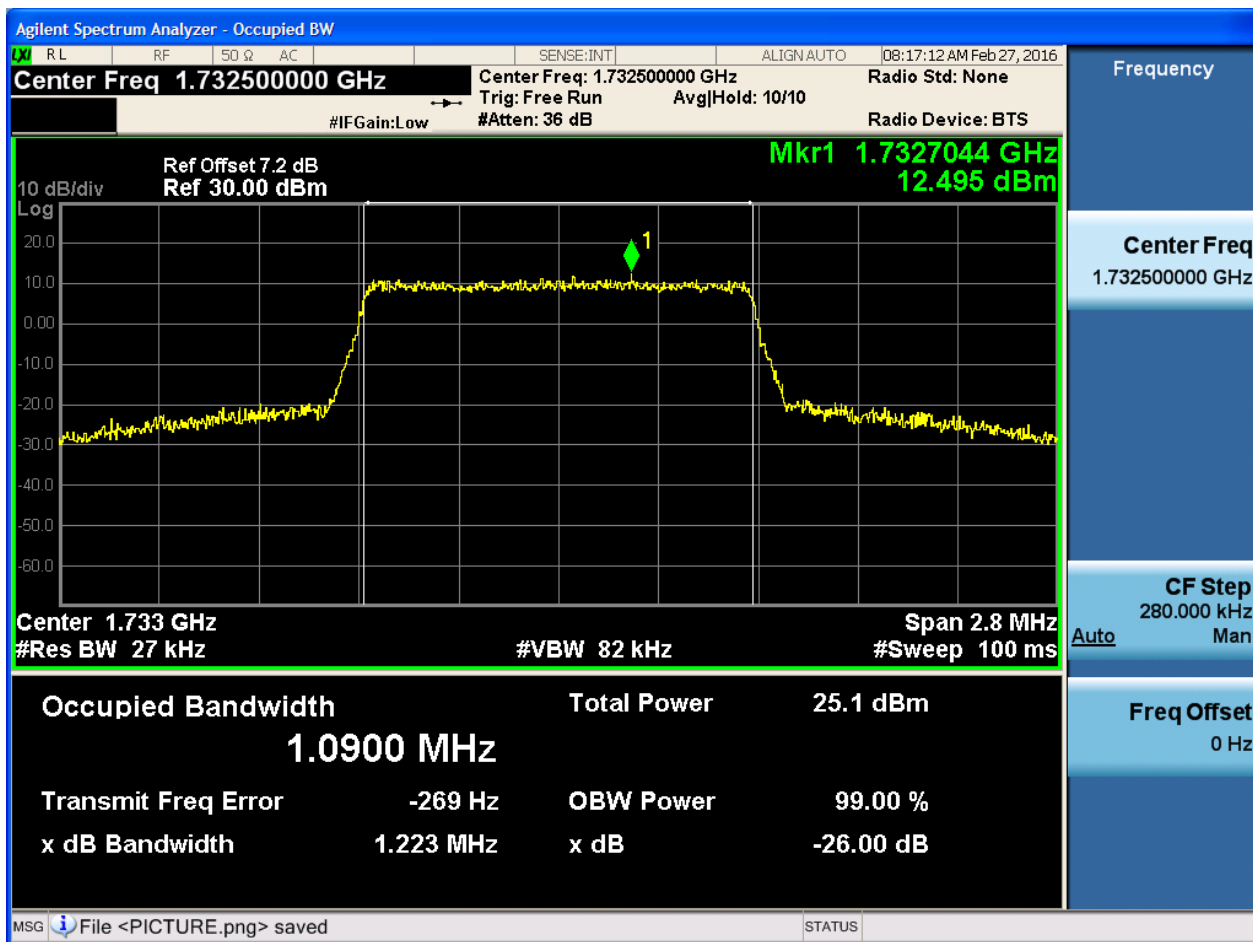






4.1.1.2.1.2 Test Channel = MCH

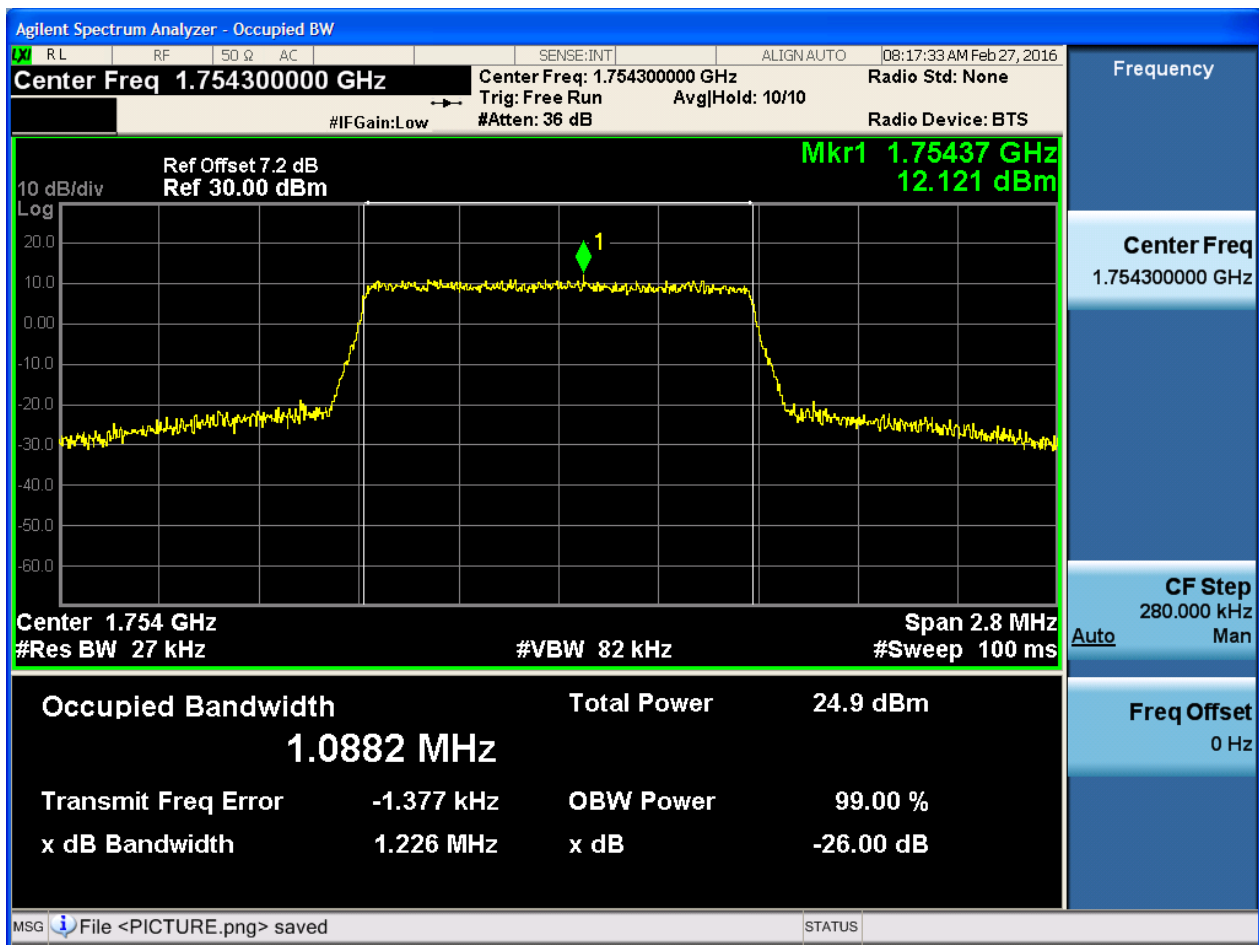
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

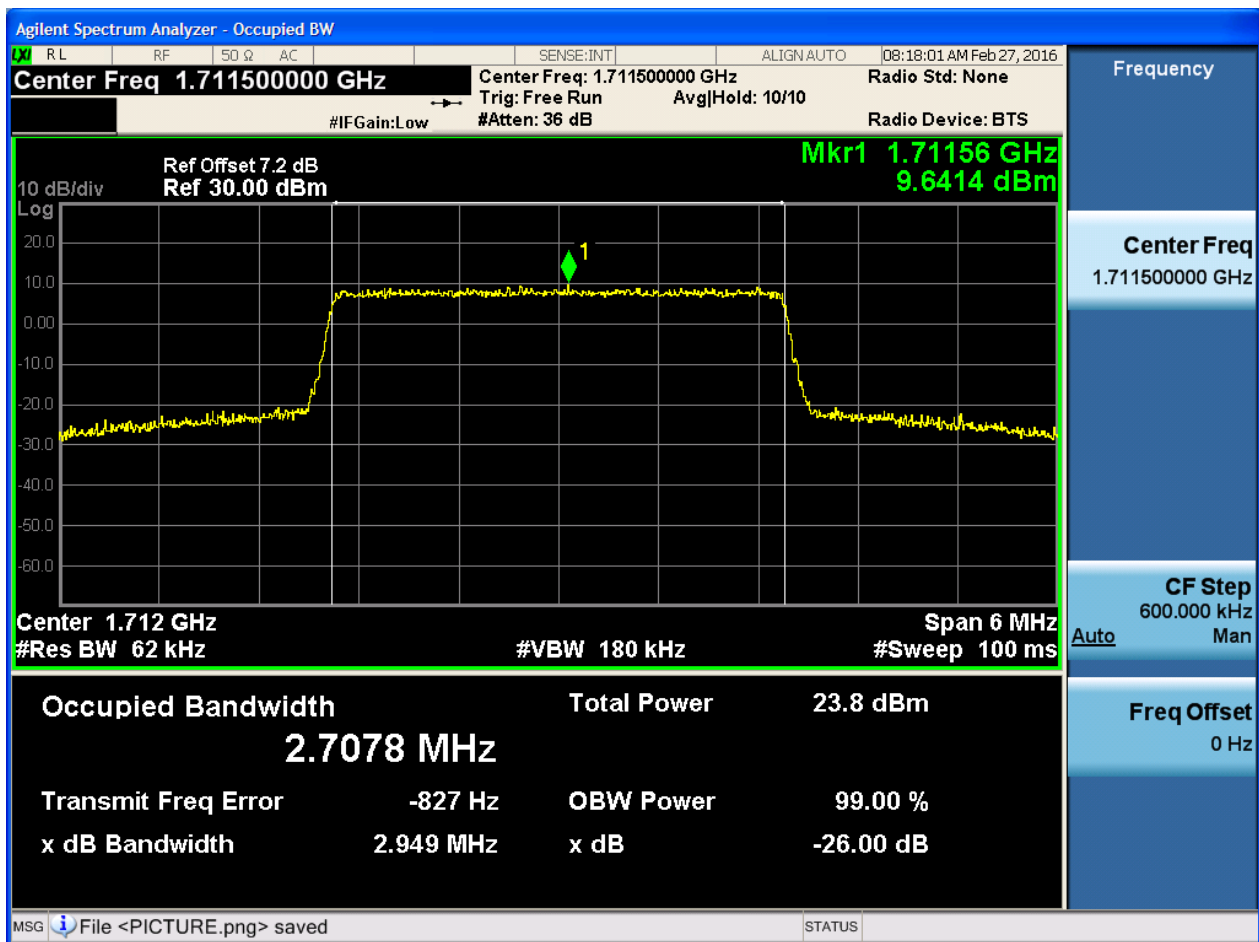




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

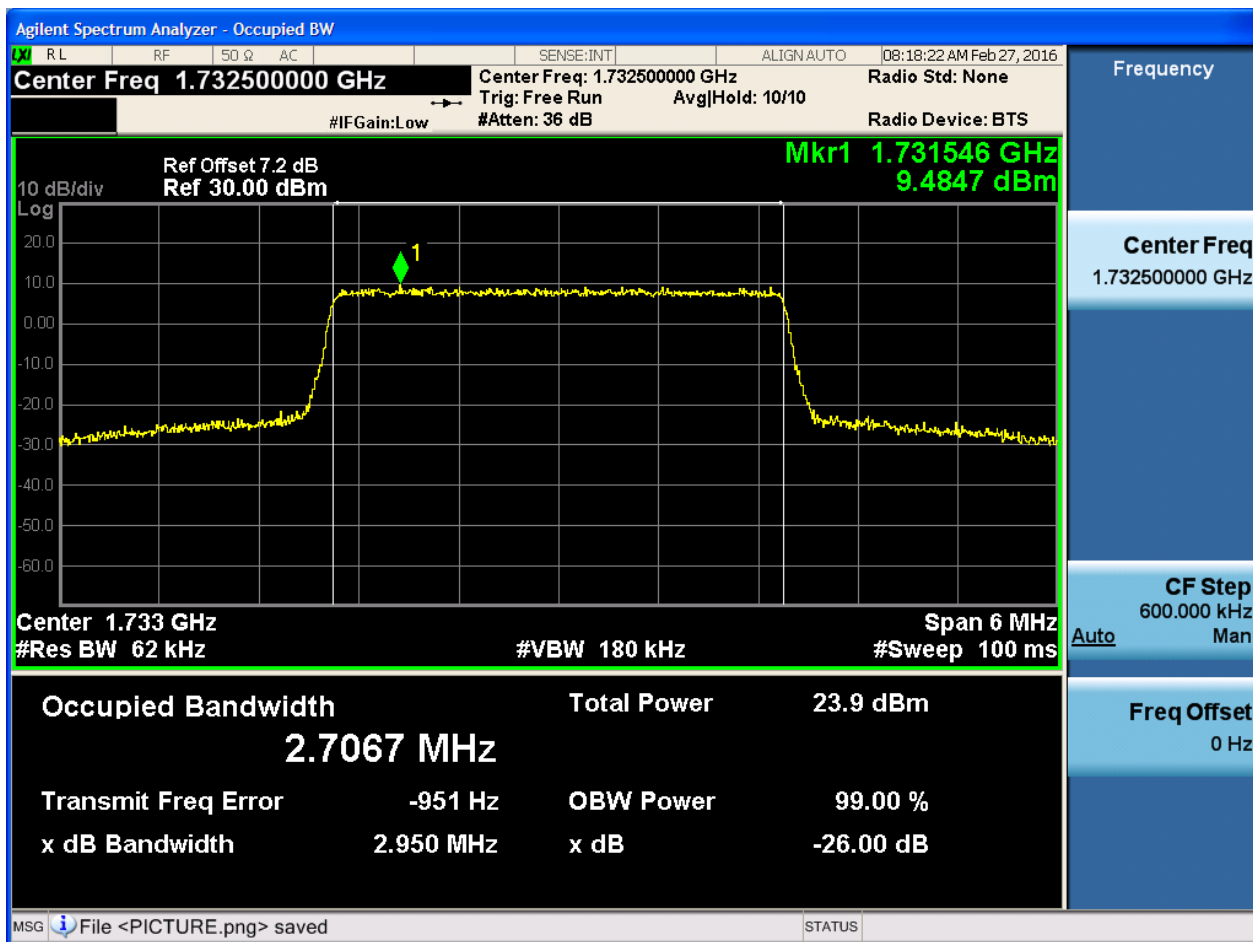
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

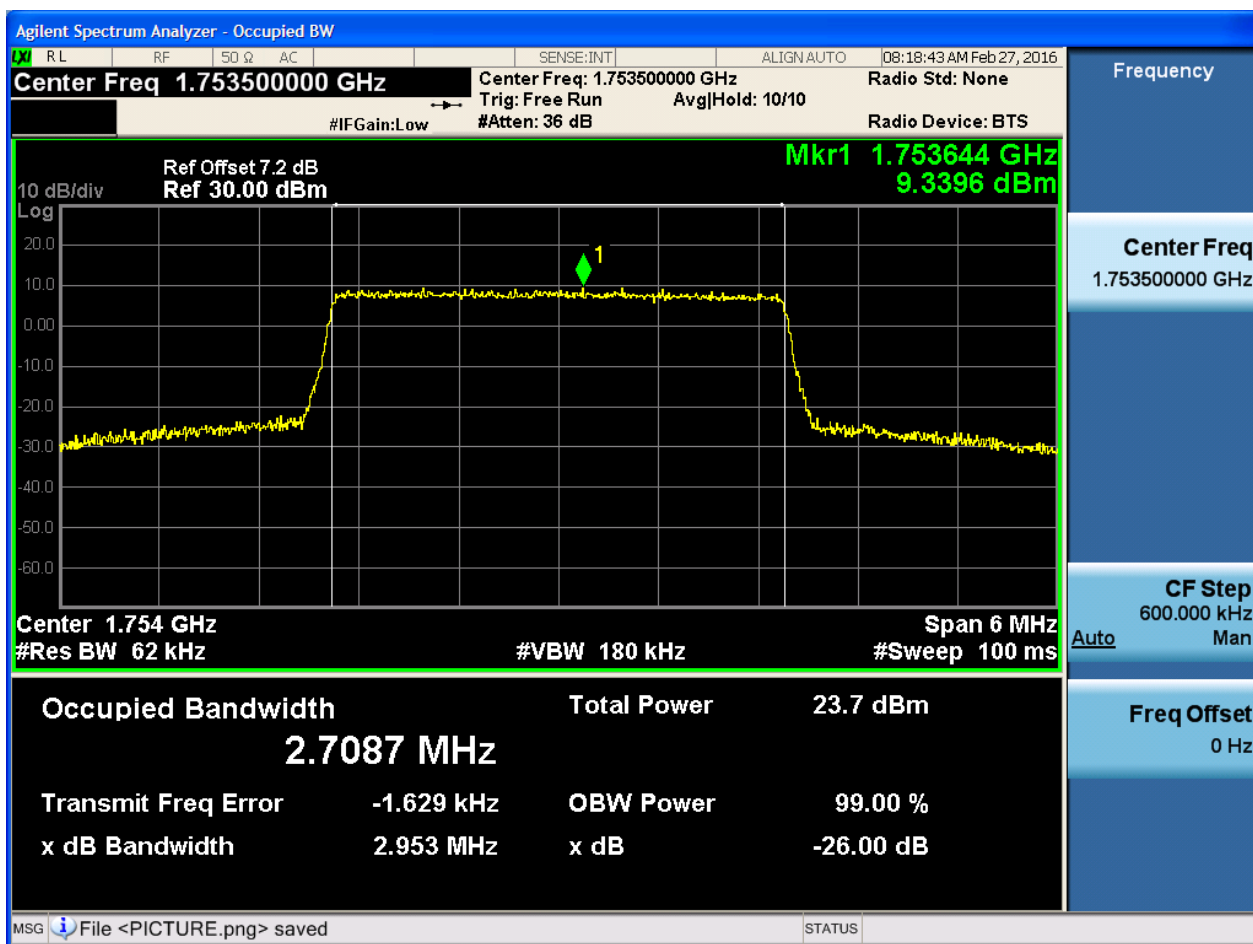
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

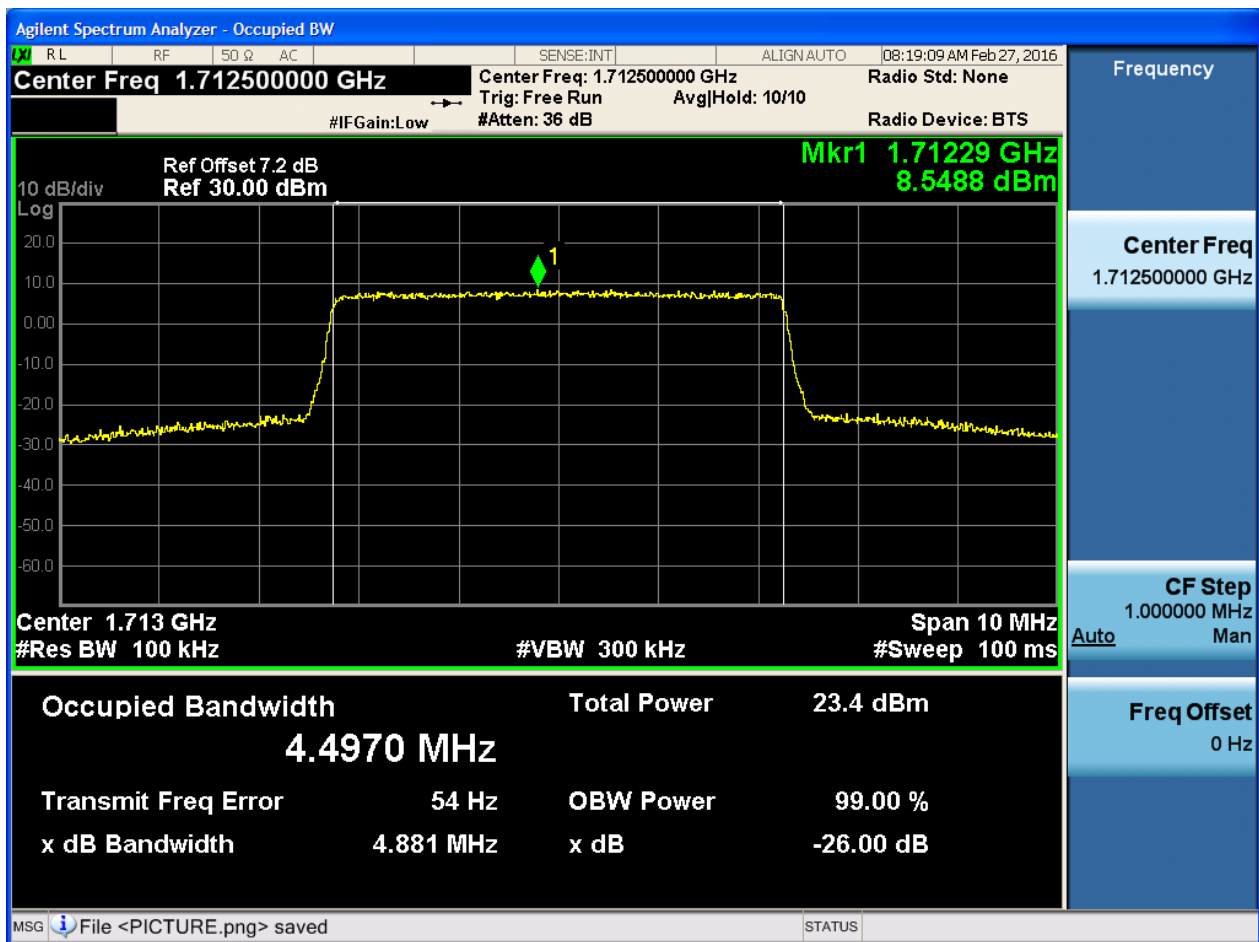




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

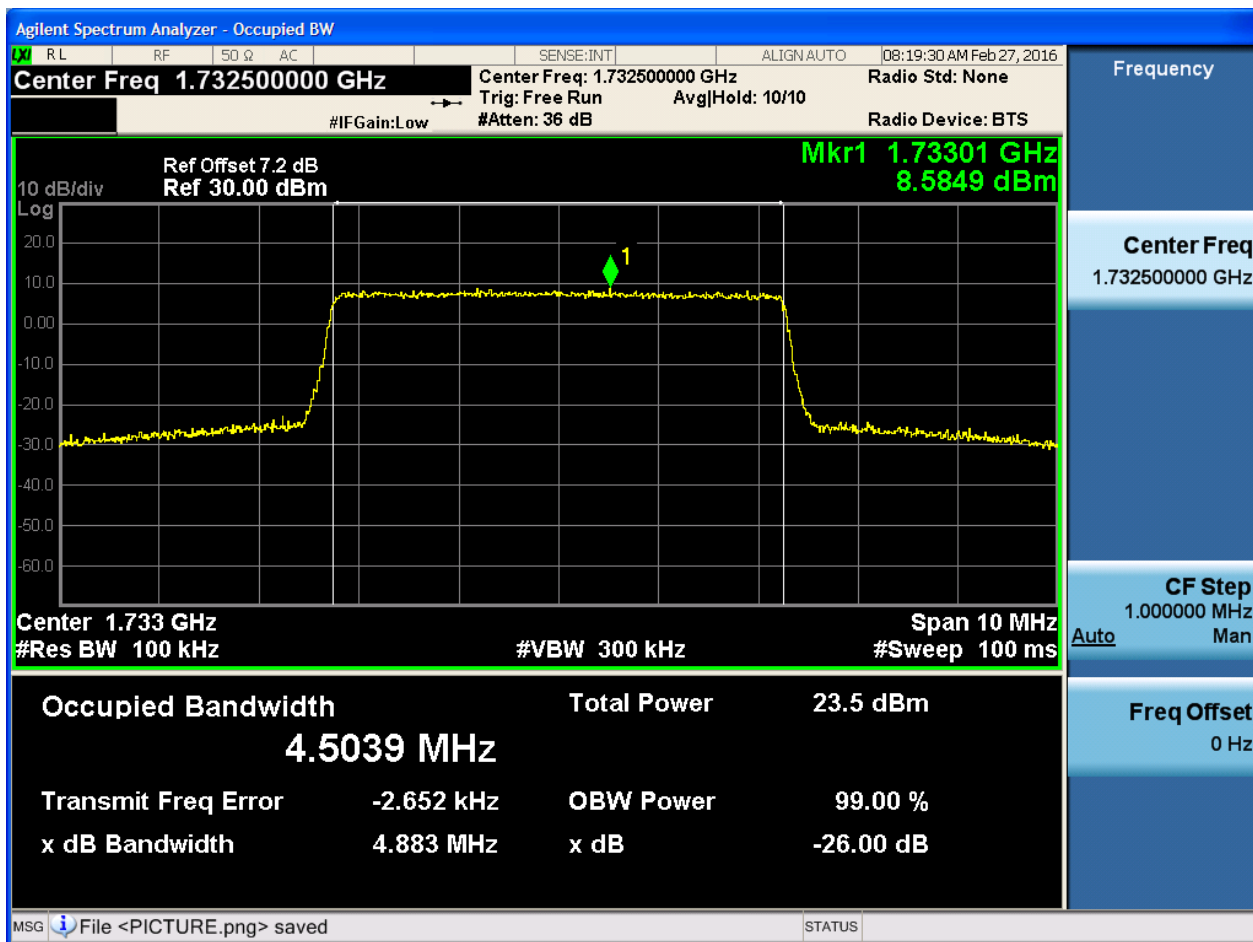
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

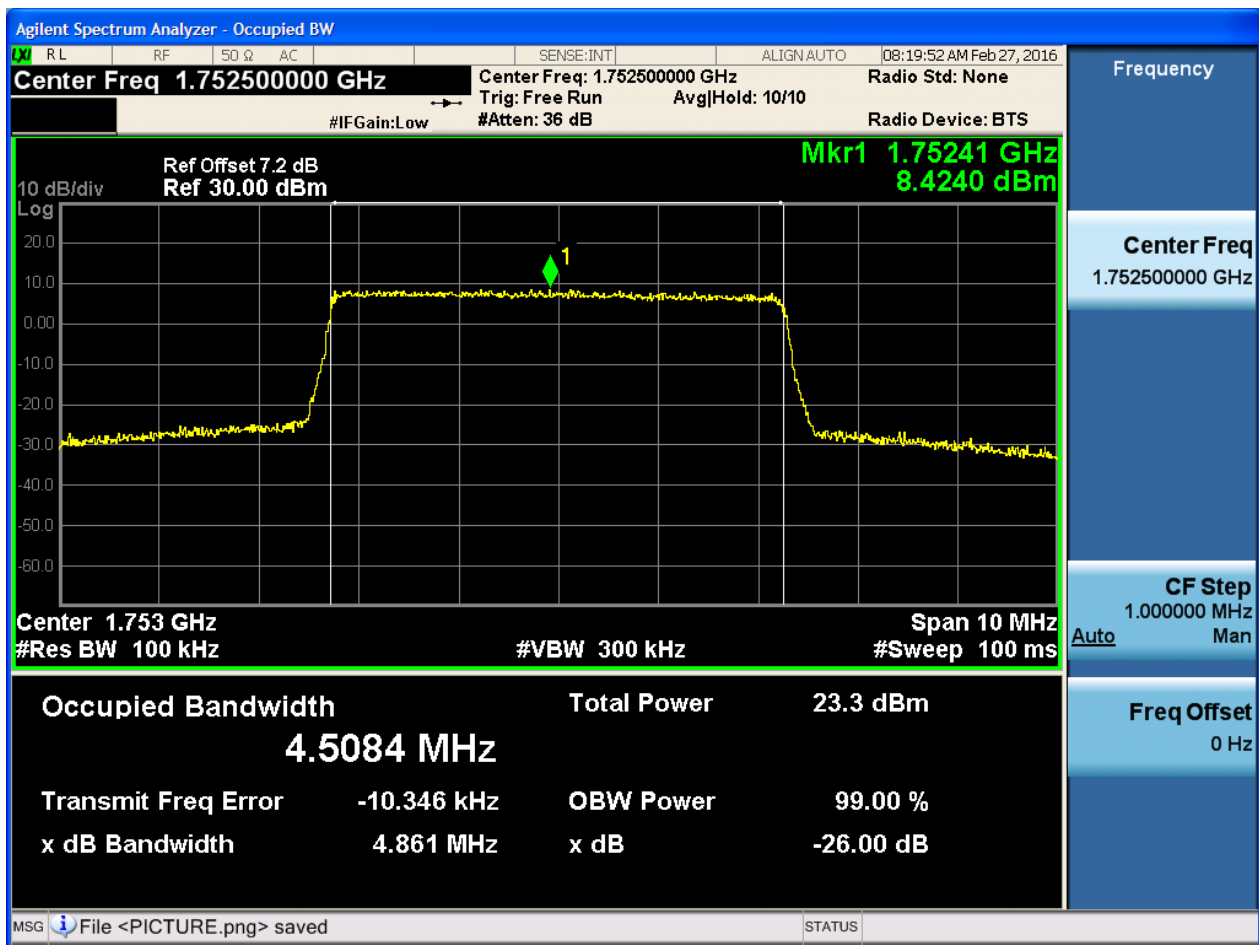
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

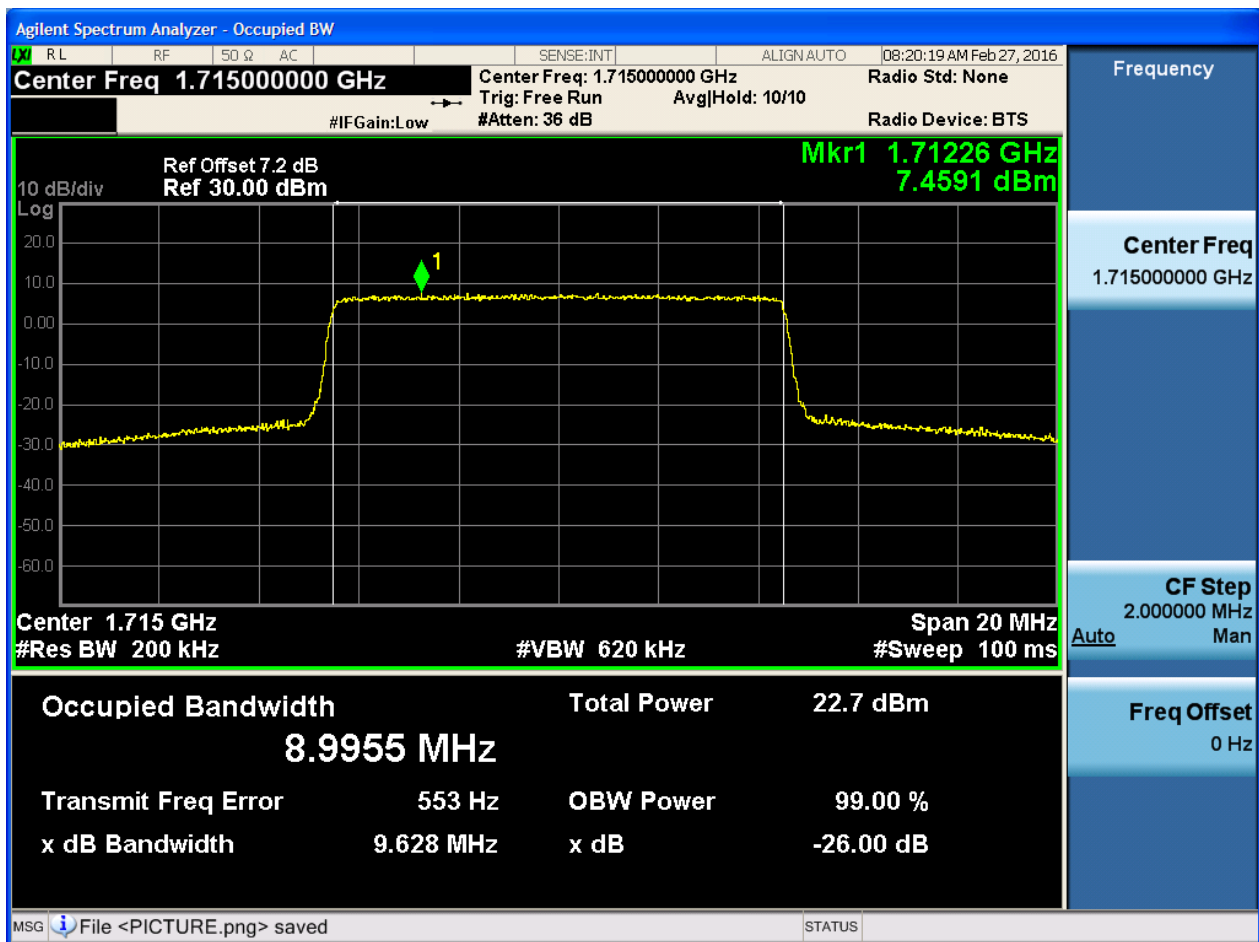




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

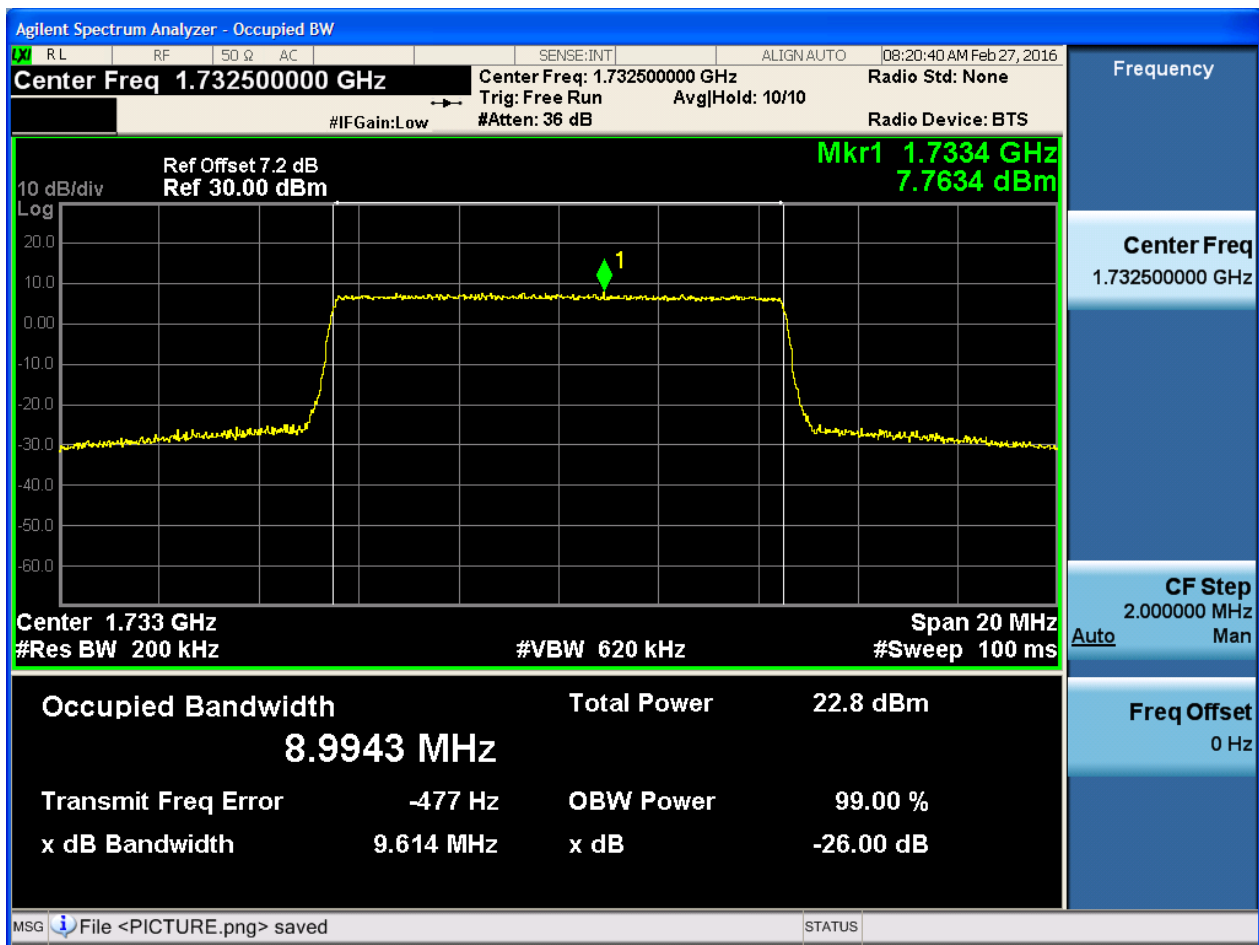
4.1.1.2.4.1.1 Test RB = RB50#0





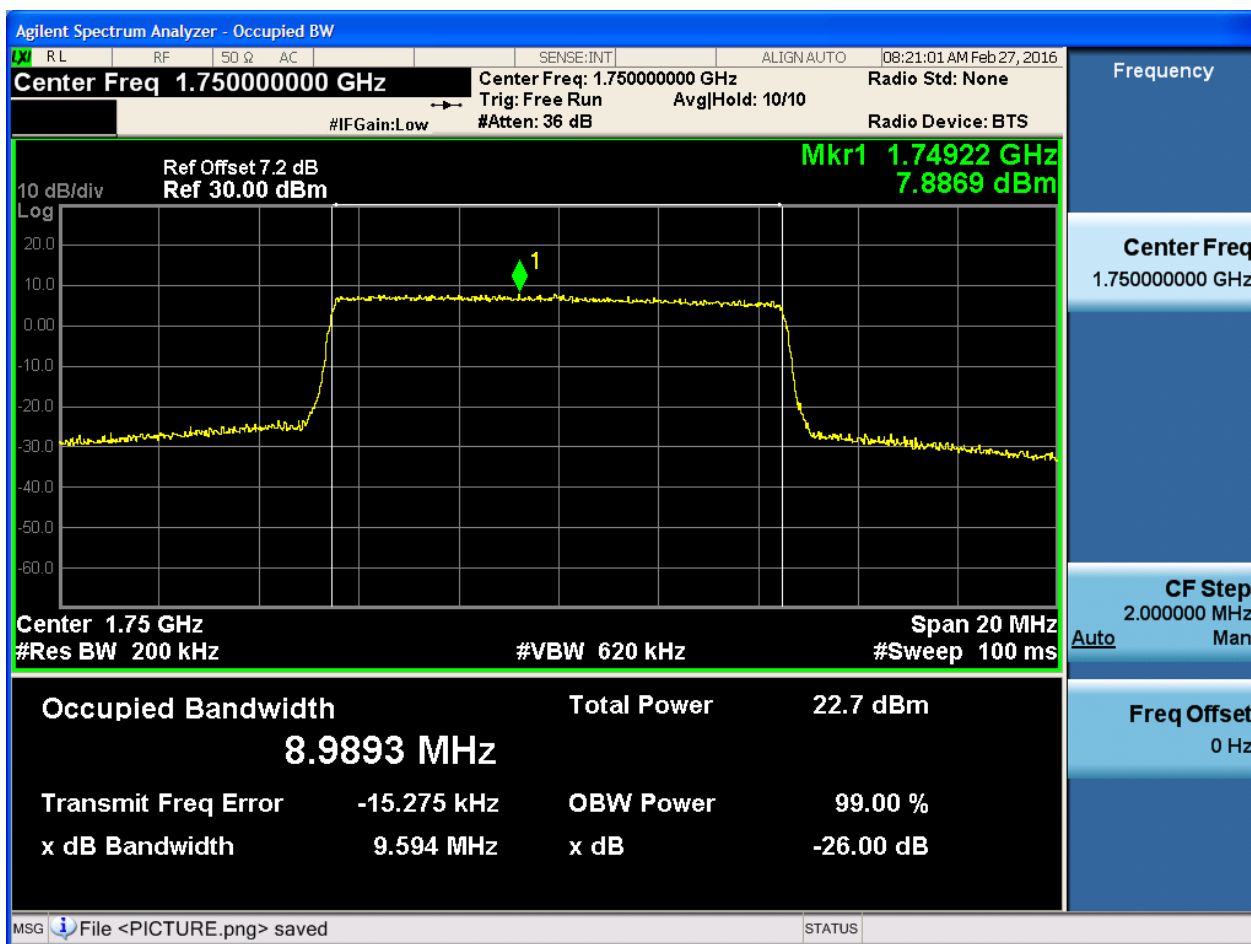
4.1.1.2.4.2 Test Channel = MCH

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

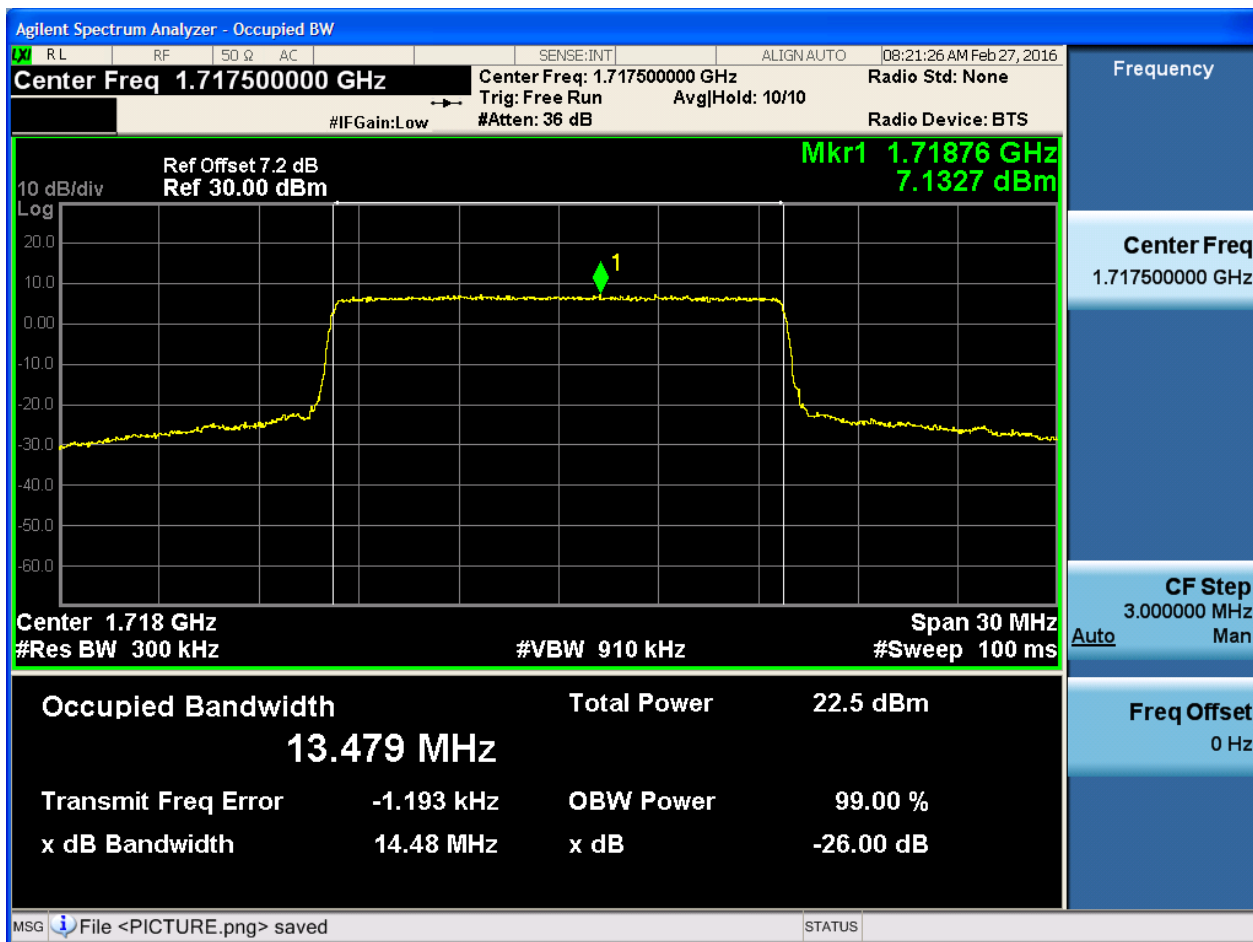




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

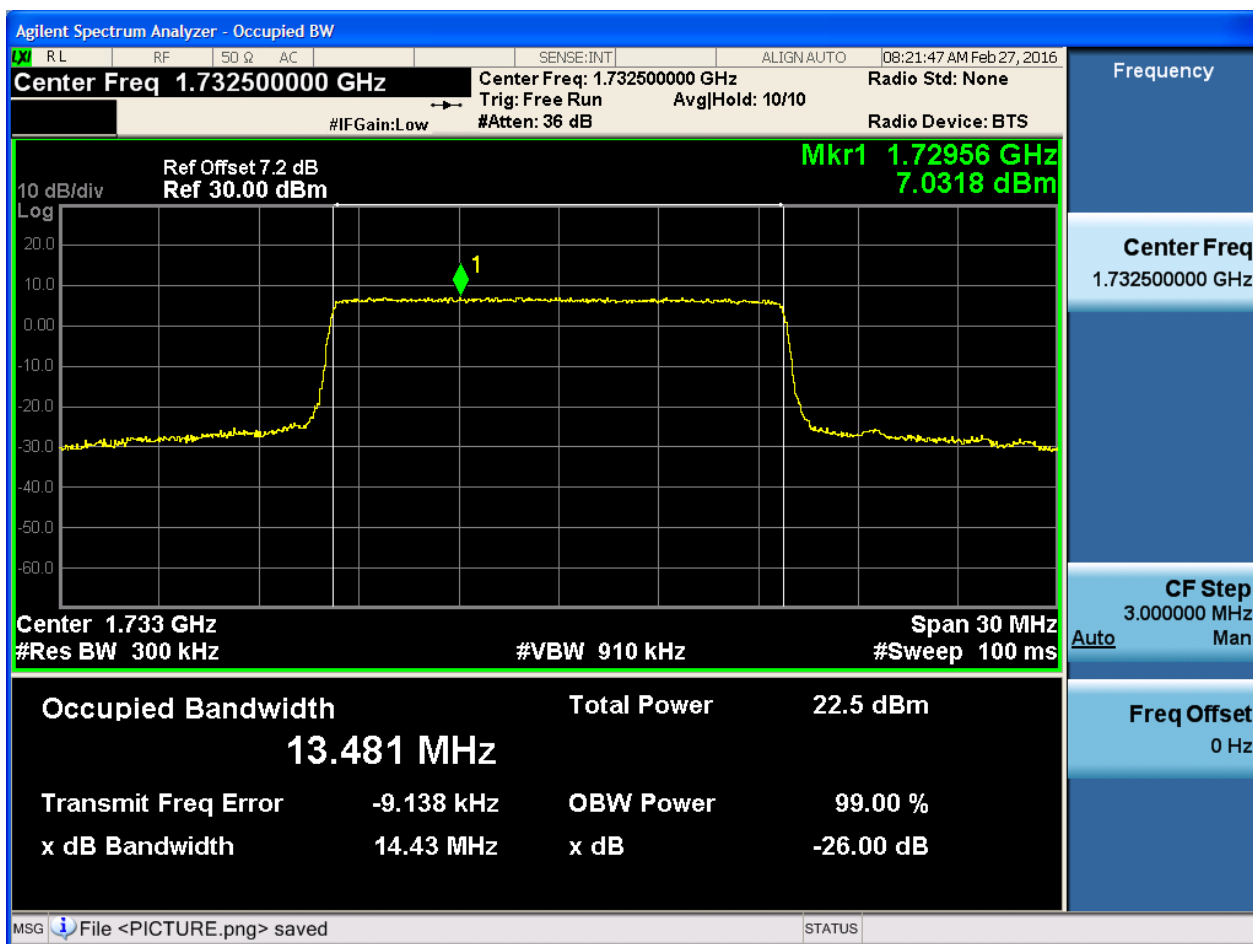
4.1.1.2.5.1.1 Test RB = RB75#0





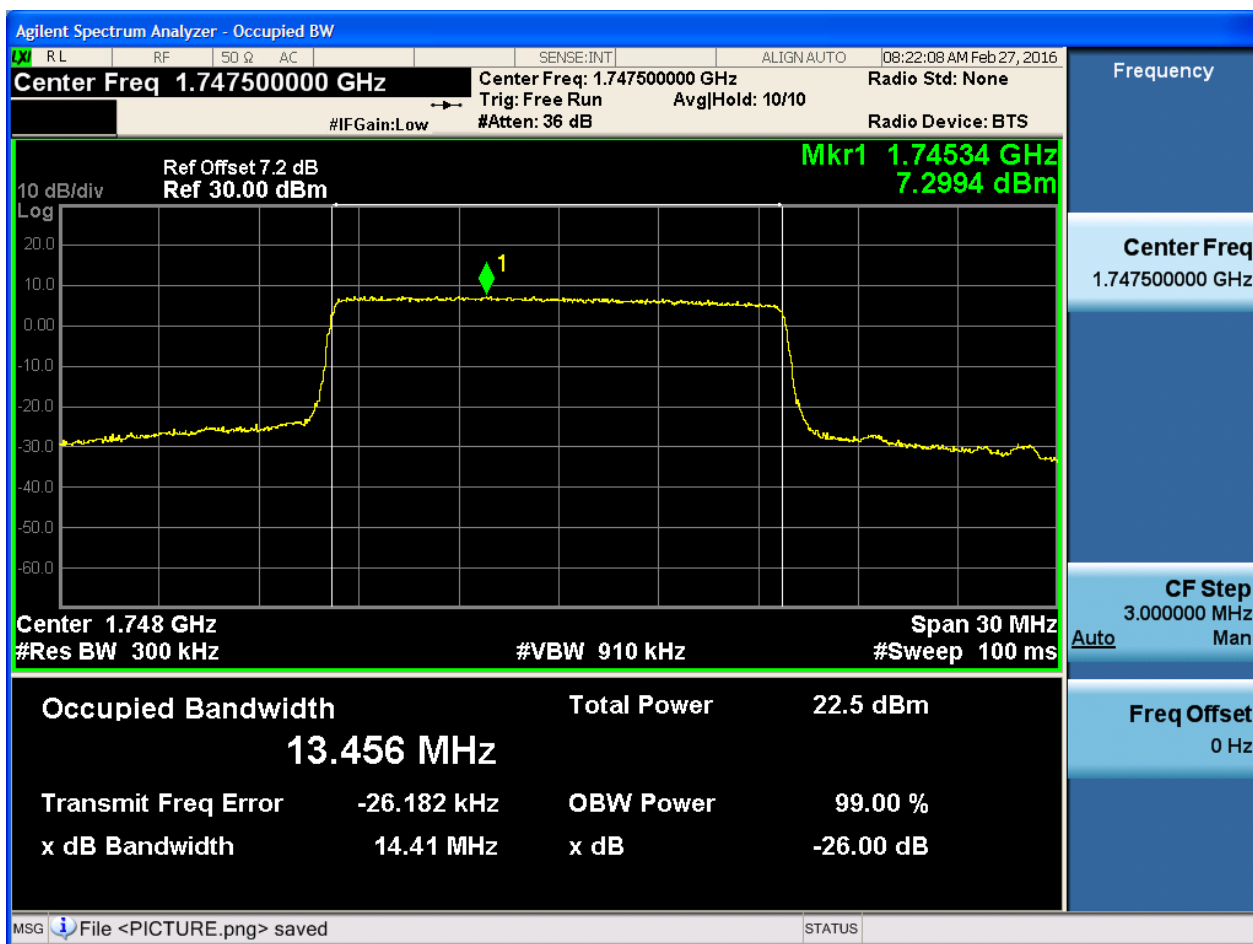
4.1.1.2.5.2 Test Channel = MCH

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

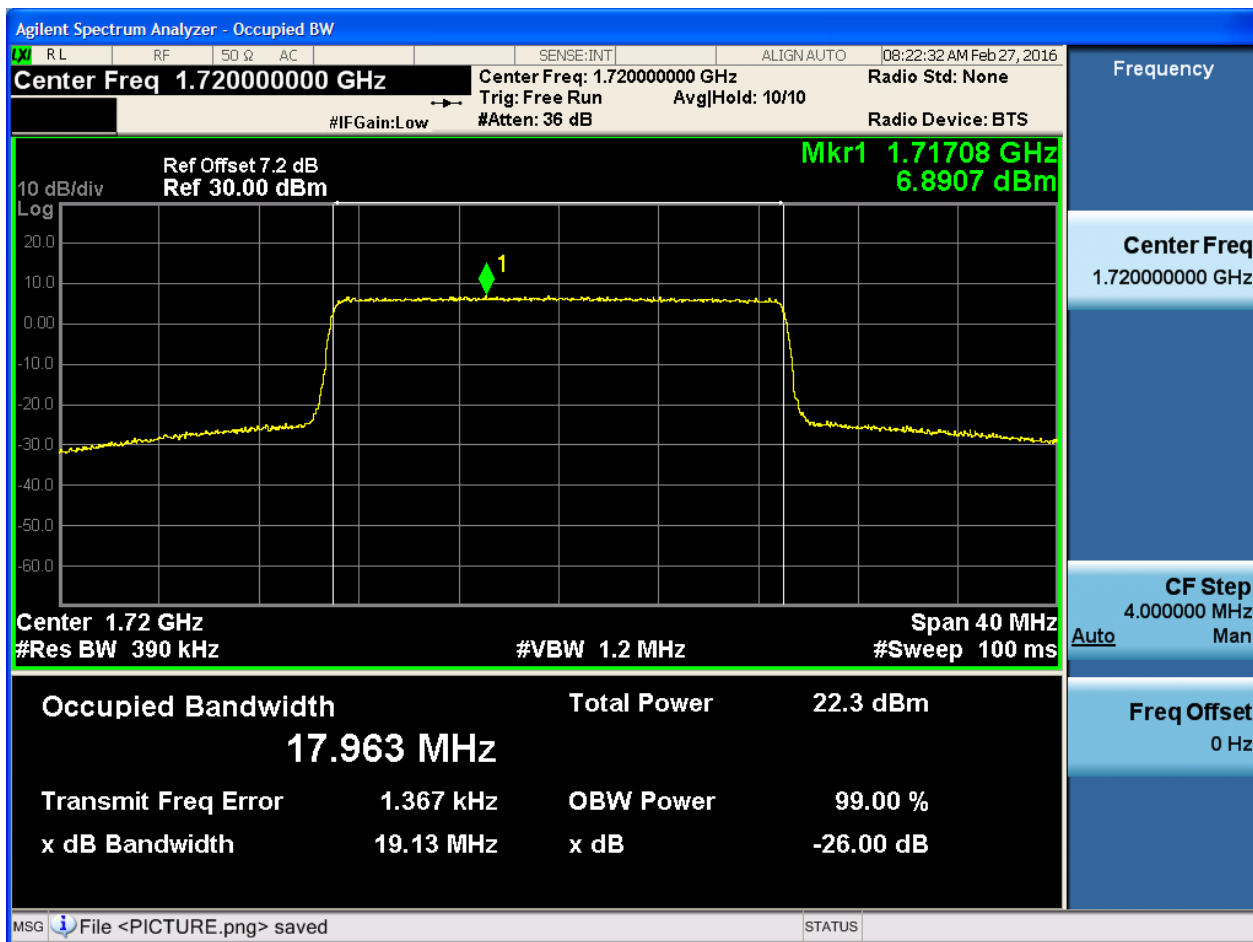




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

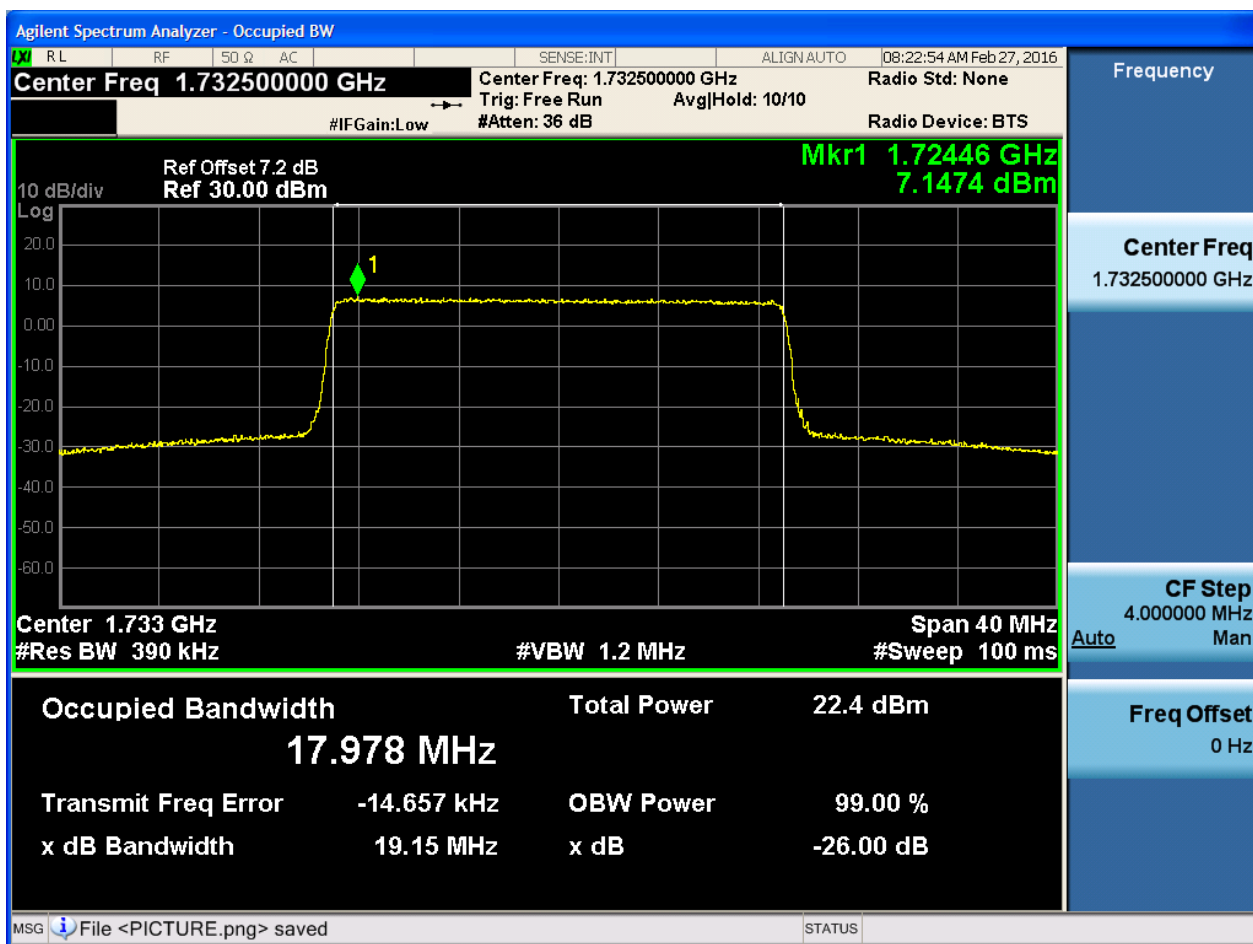
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

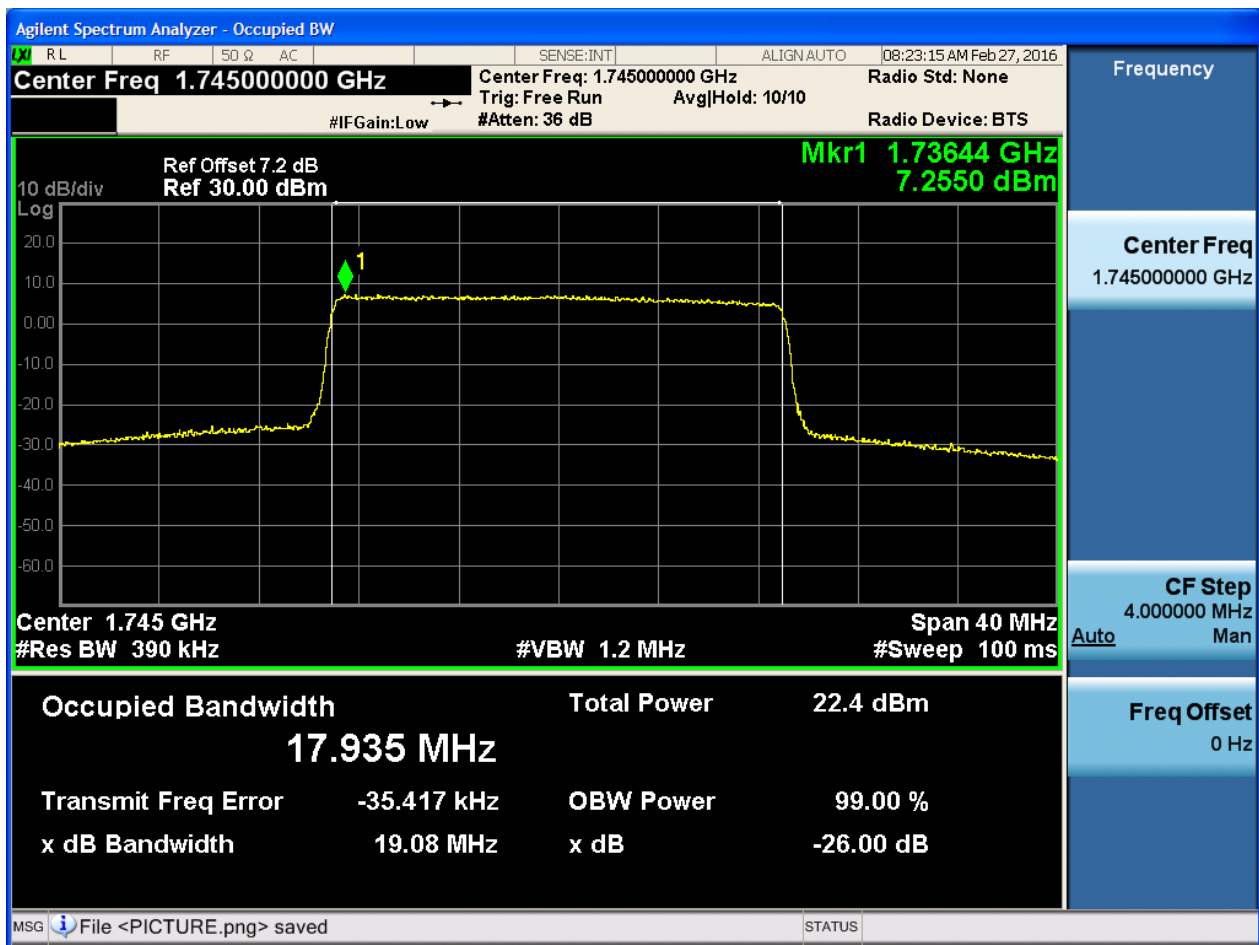
4.1.1.2.6.2.1 Test RB = RB100#0





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

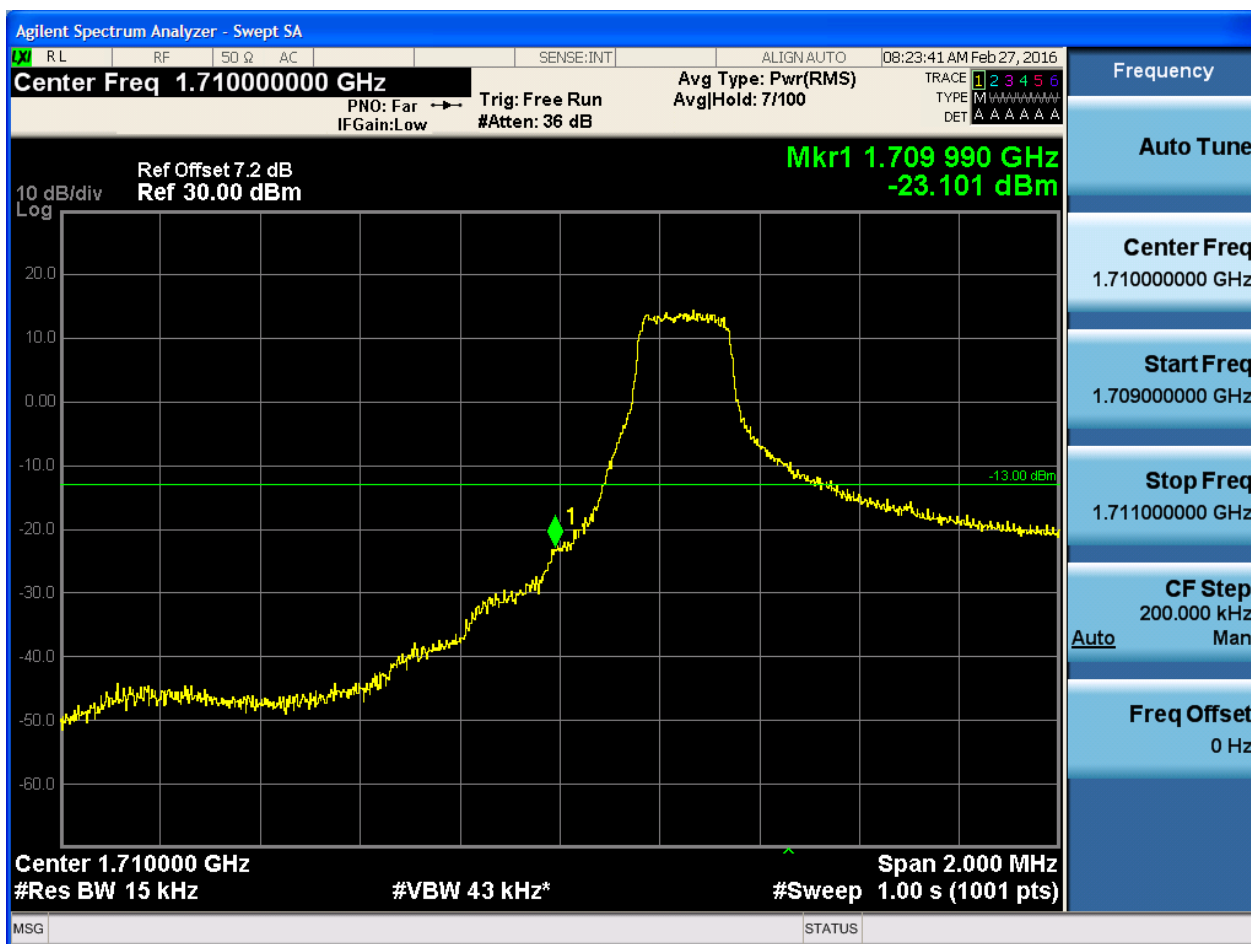
5.1.1 Test Band = BAND4

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



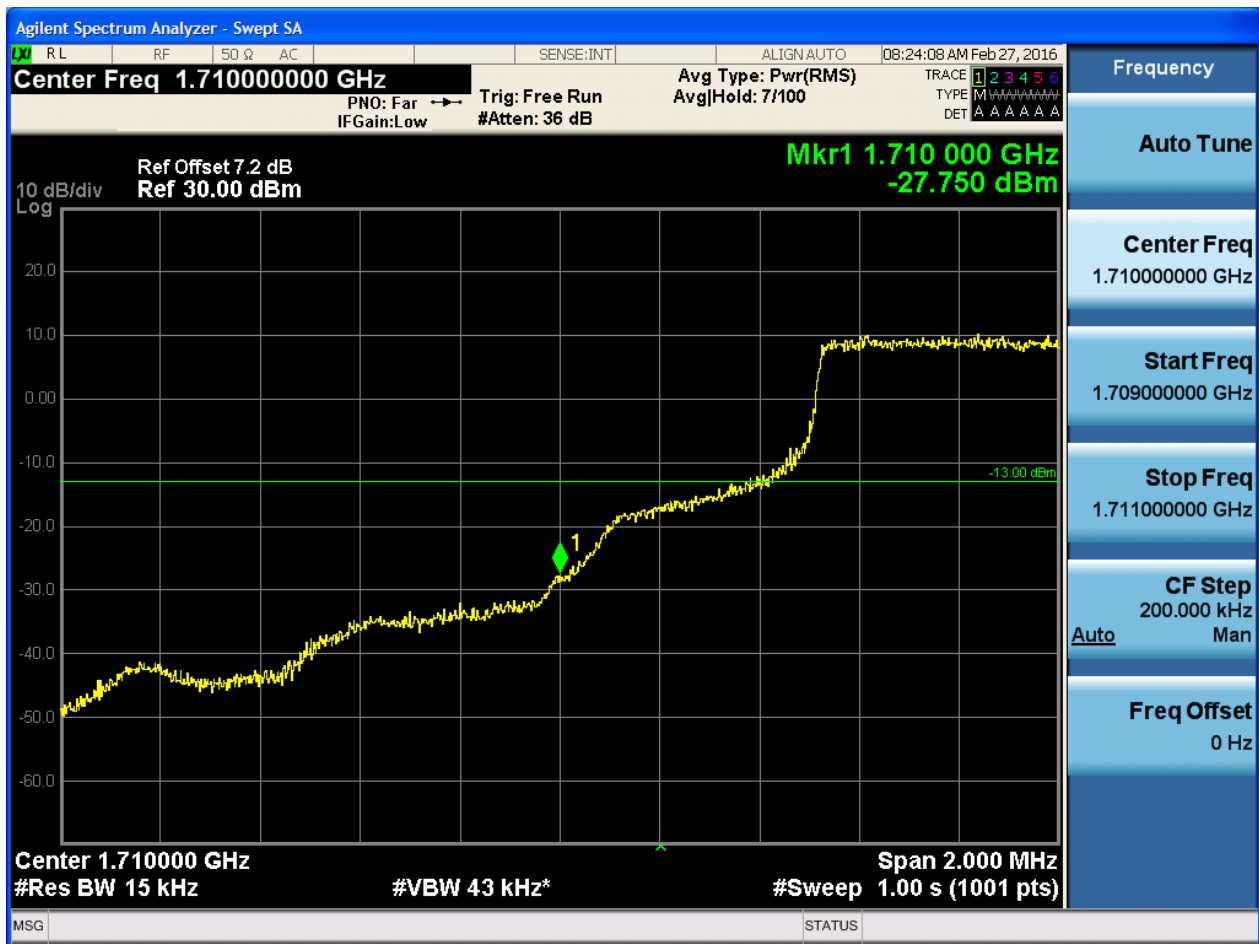


5.1.1.1.1.2 Test RB = RB1#5



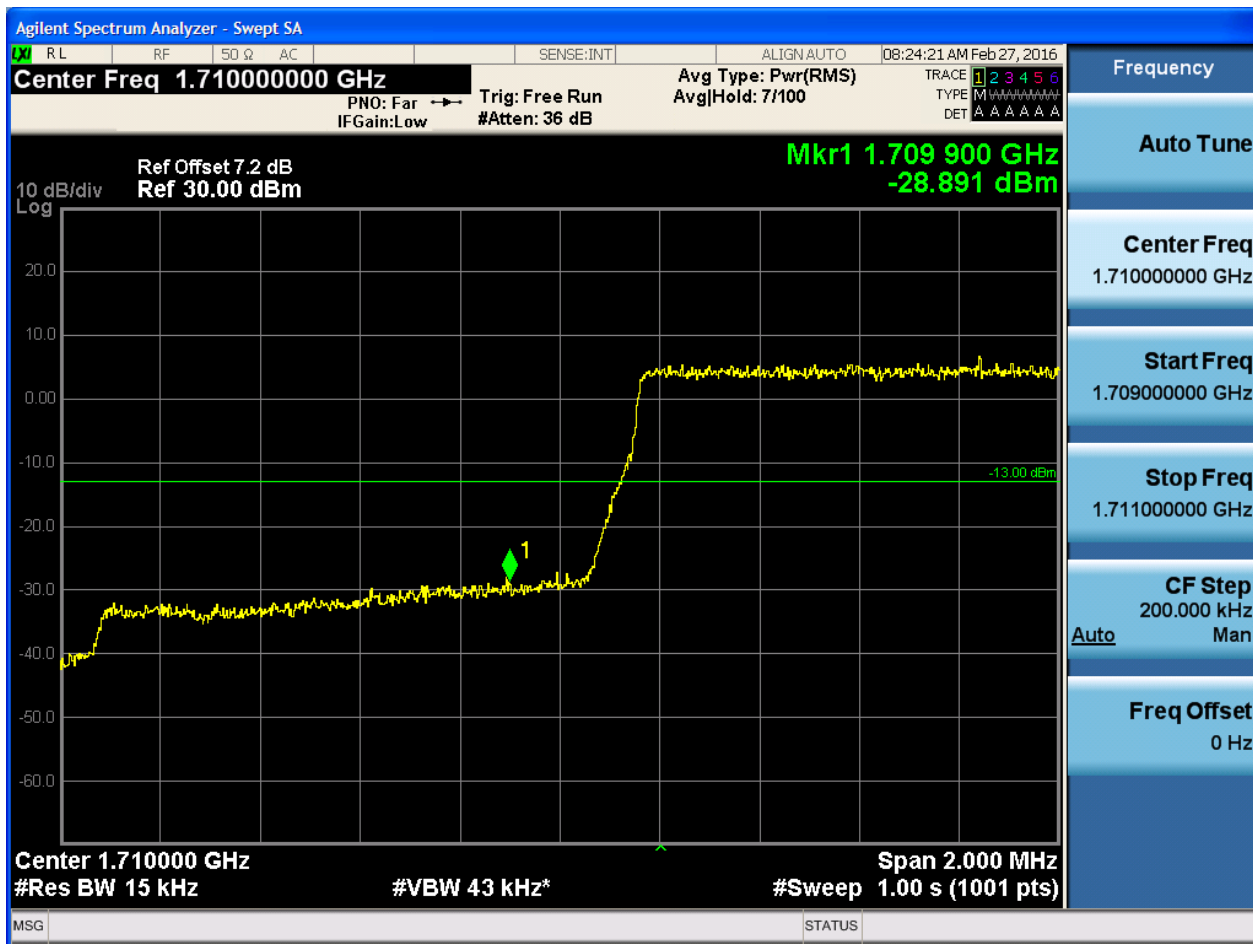


5.1.1.1.1.3 Test RB = RB3#2





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





5.1.1.1.2.2 Test RB = RB1#5



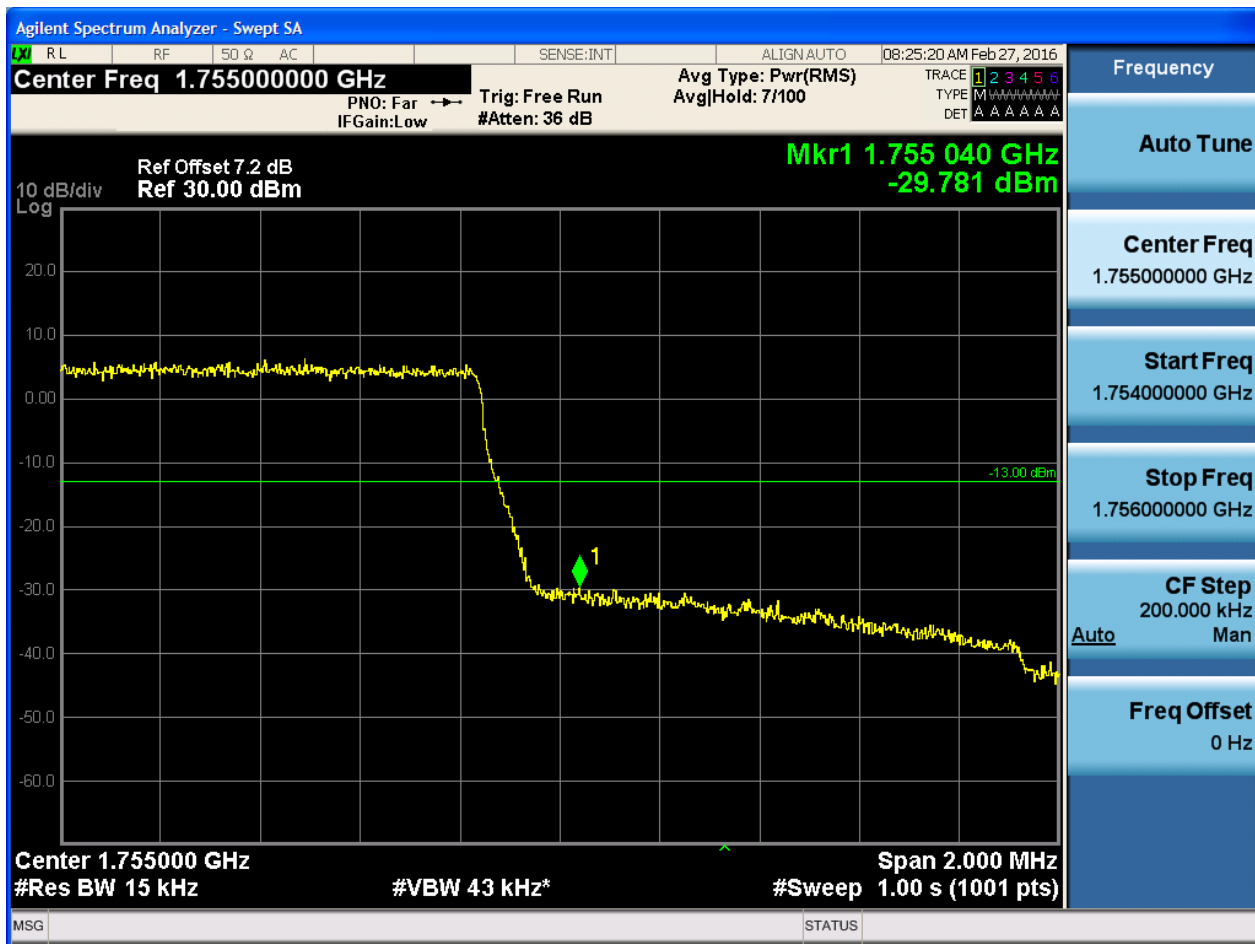


5.1.1.1.2.3 Test RB = RB3#2





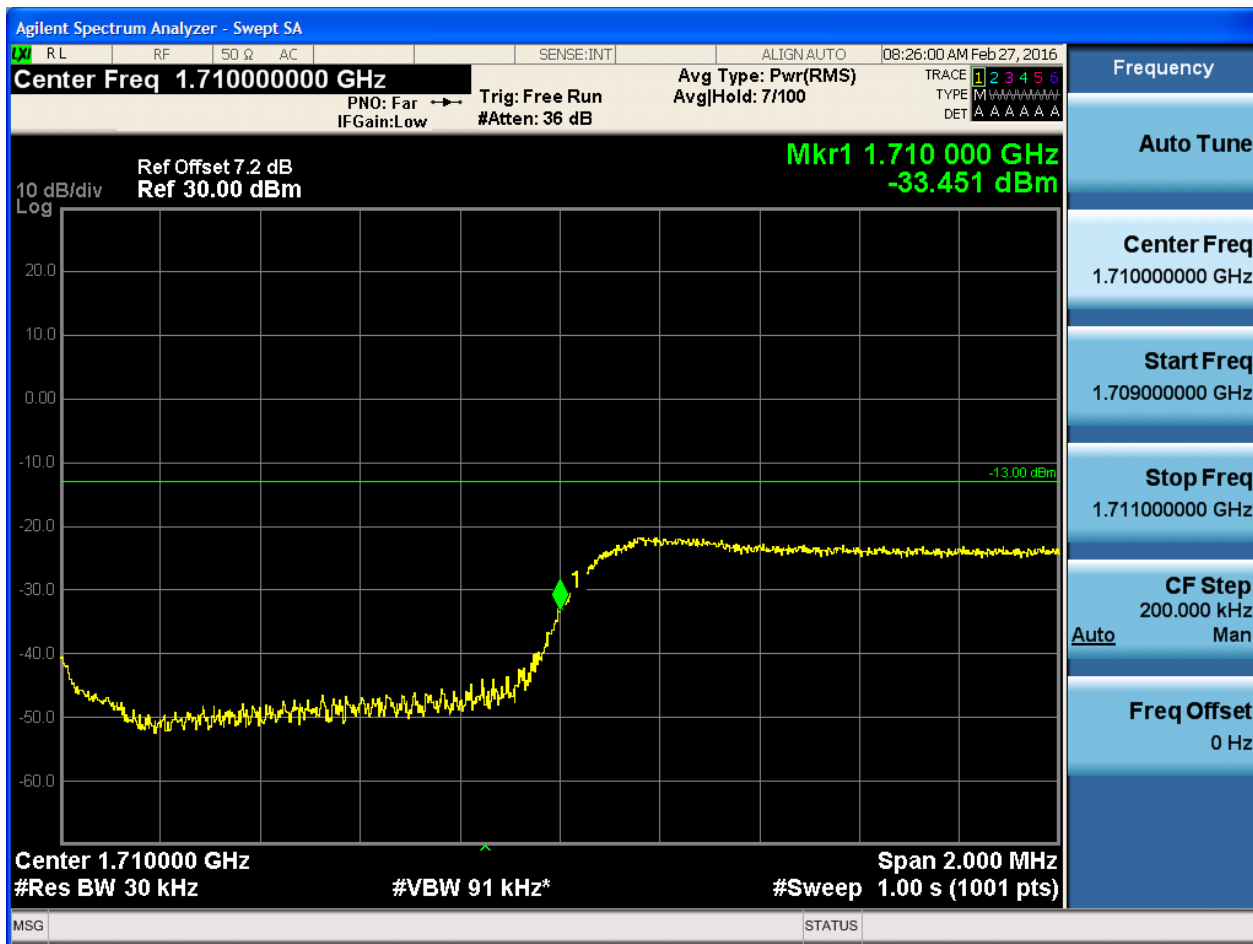
5.1.1.1.2.4 Test RB = RB6#0







5.1.1.1.2.1.2 Test RB = RB1#14



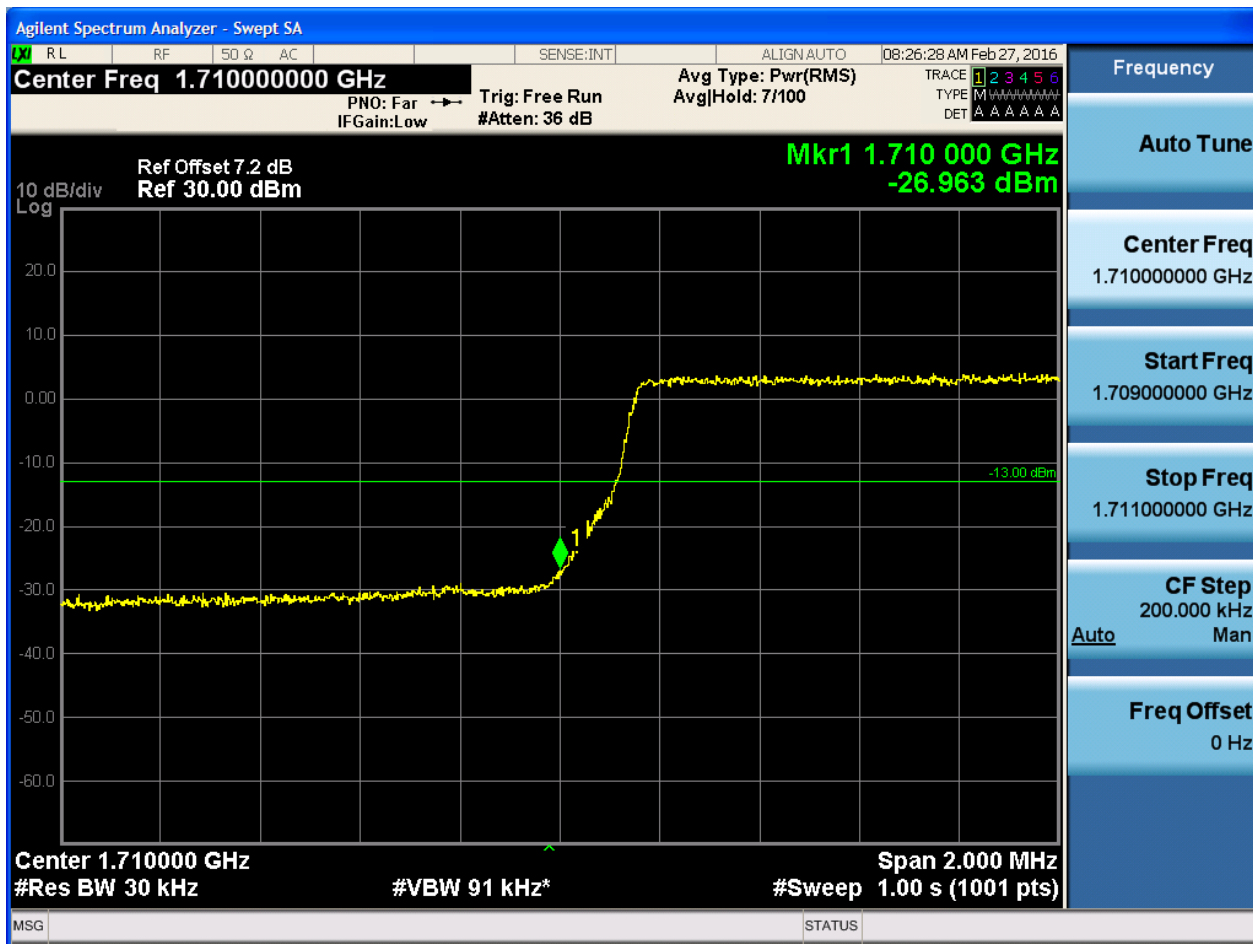


5.1.1.1.2.1.3 Test RB = RB8#4





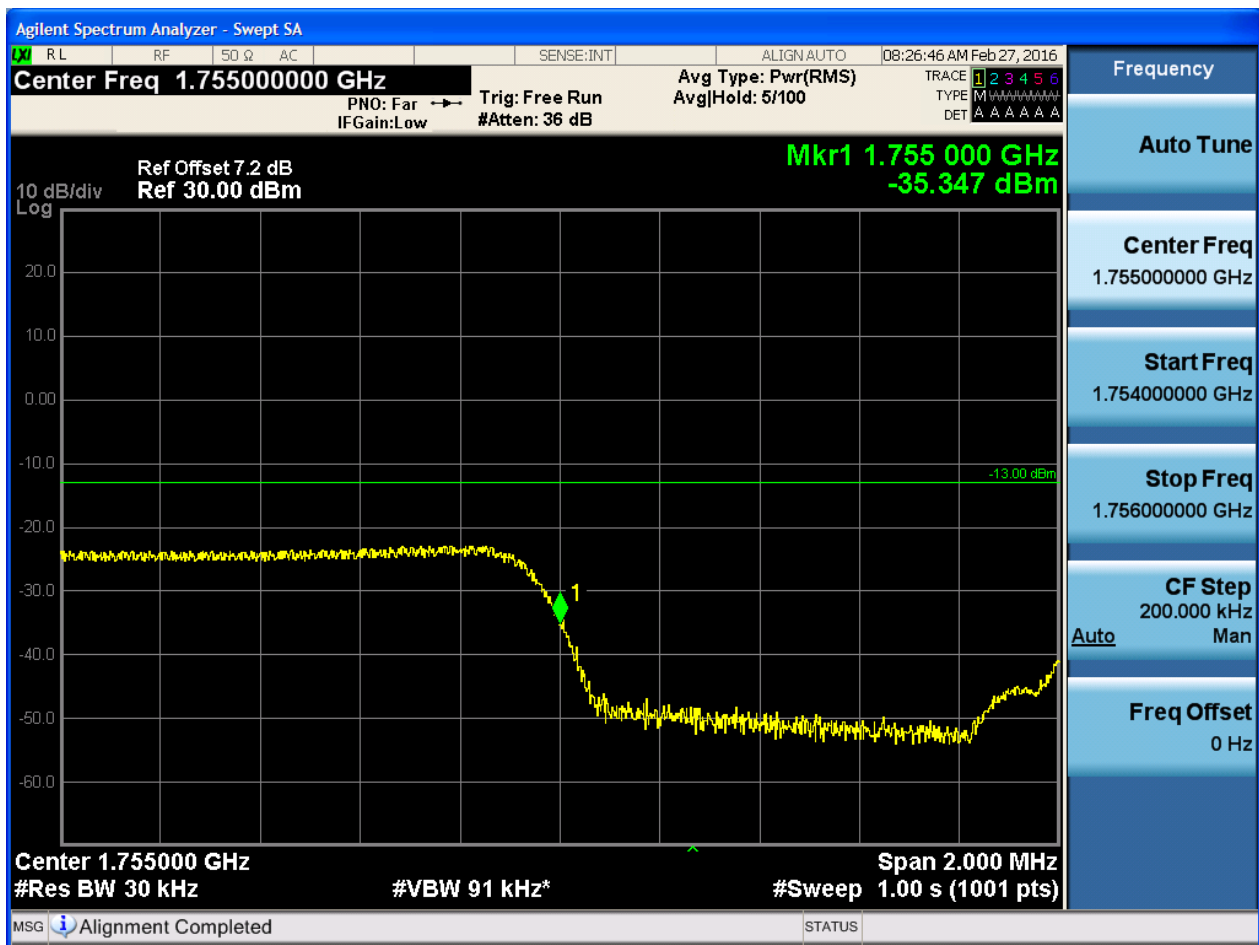
5.1.1.1.2.1.4 Test RB = RB15#0





5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-17.420 dBm

Center 1.755000 GHz
#Res BW 30 kHz
#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.75500000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

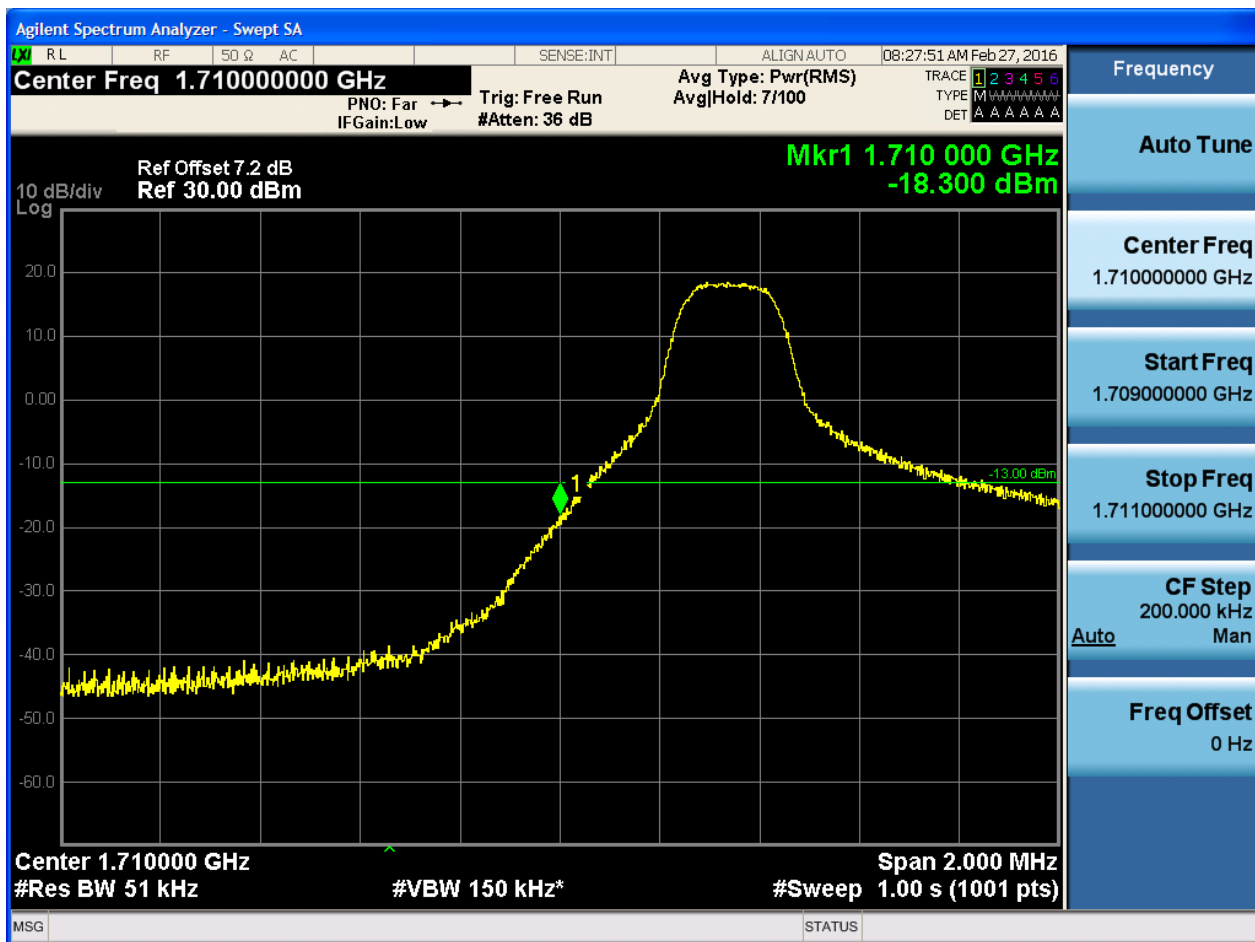




5.1.1.1.3 Test Bandwidth = 5

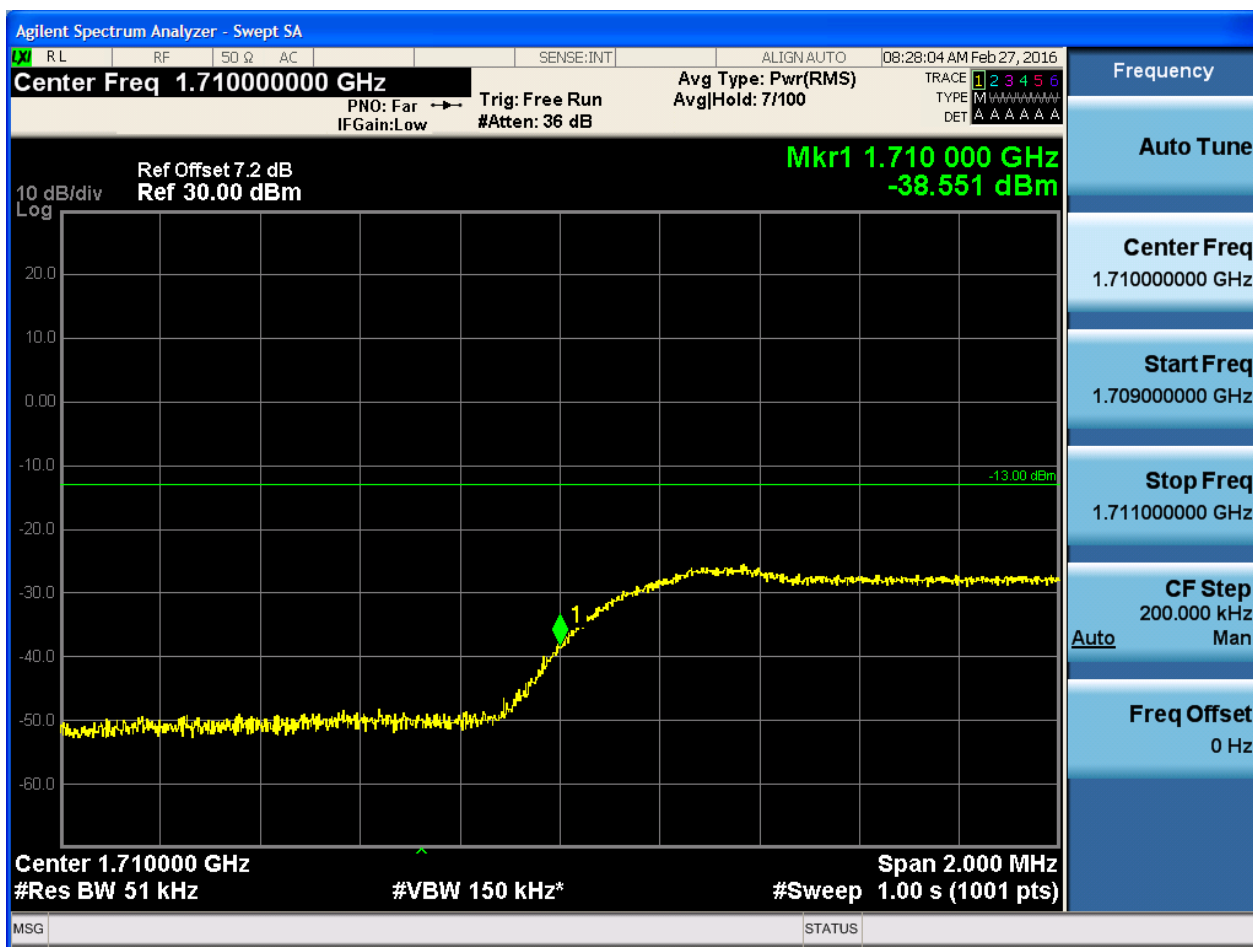
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



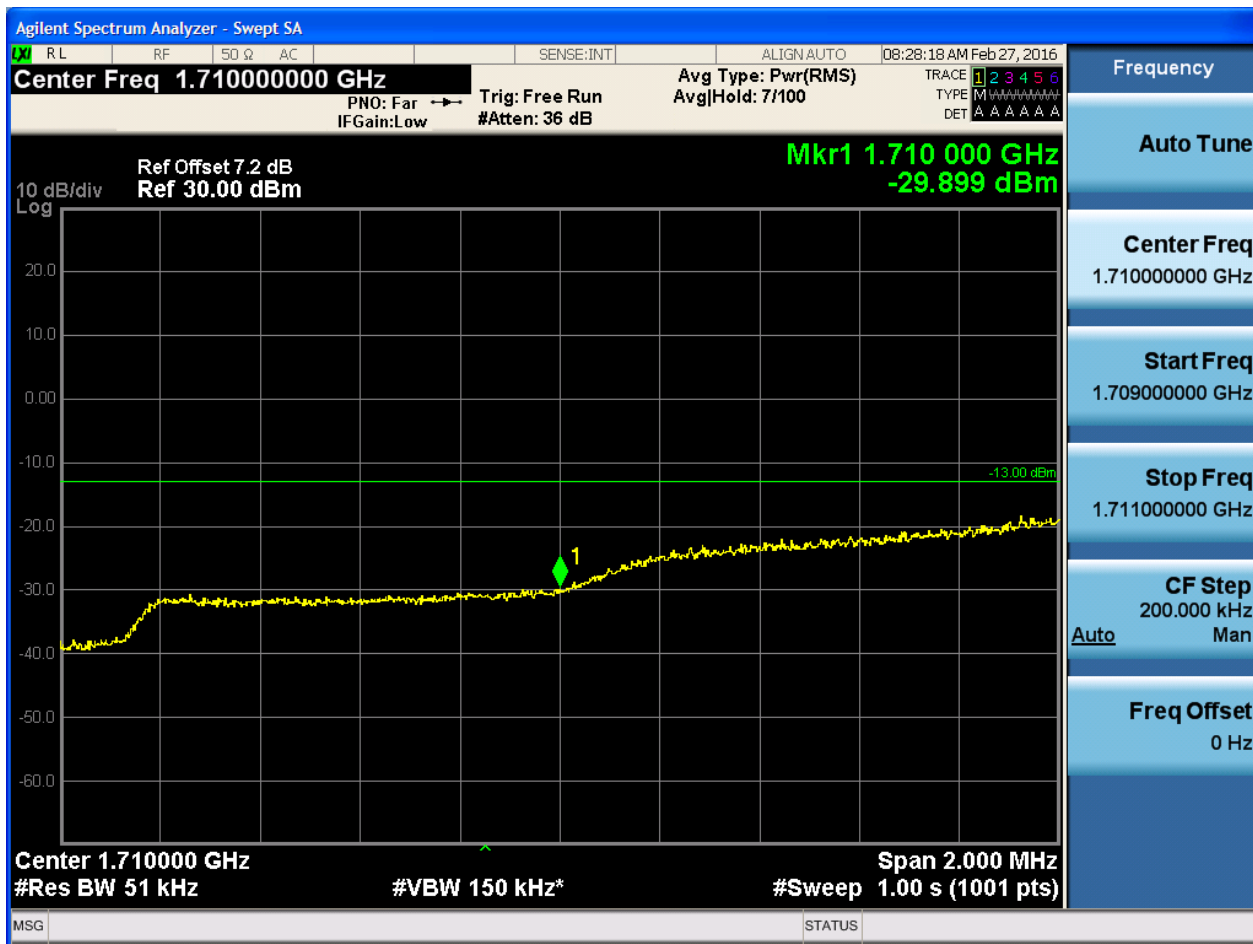


5.1.1.1.3.1.2 Test RB = RB1#24



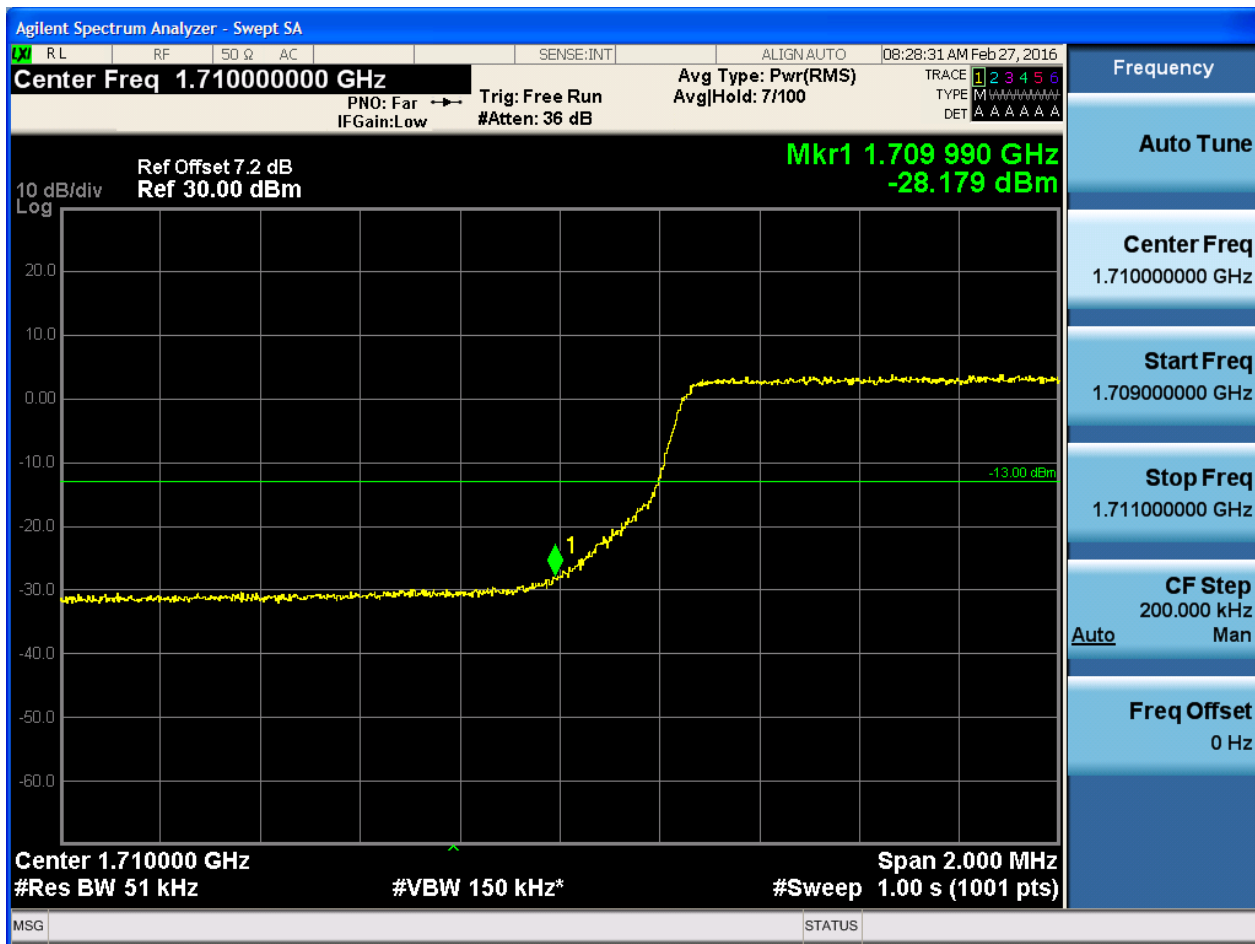


5.1.1.1.3.1.3 Test RB = RB12#6





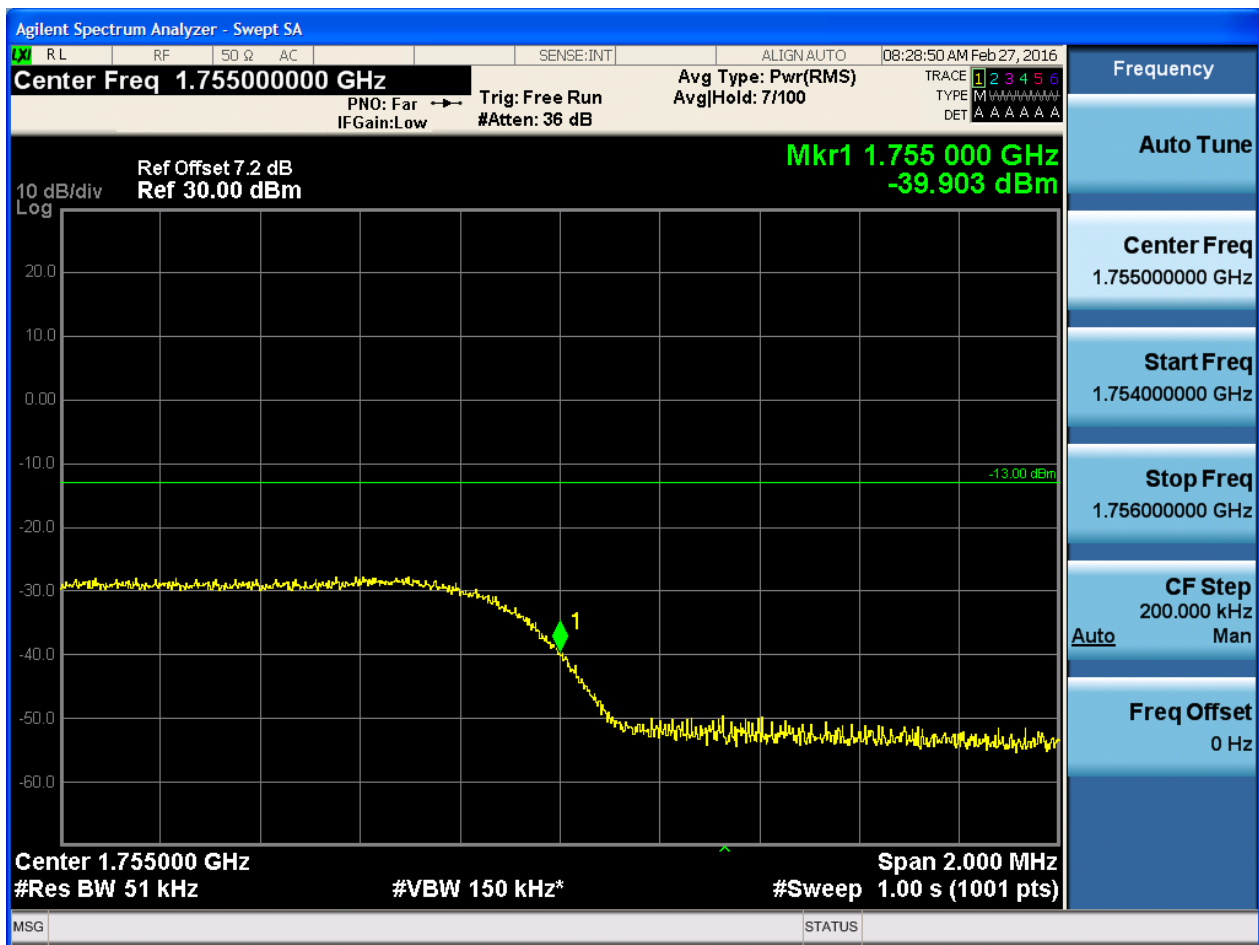
5.1.1.1.3.1.4 Test RB = RB25#0





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 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-19.672 dBm

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



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB
Ref 30.00 dBm

Mkr1 1.755 GHz
-32.016 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

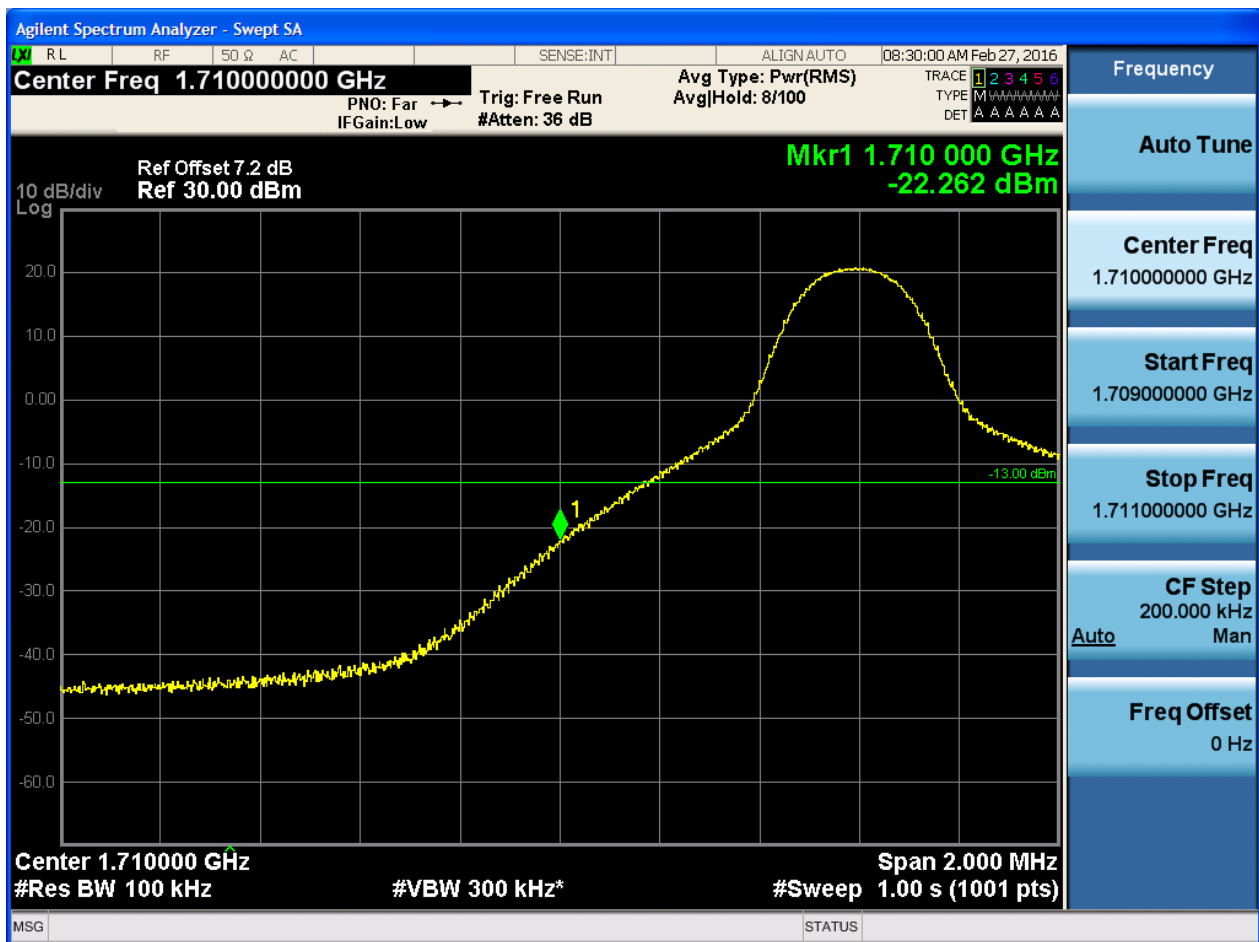




5.1.1.1.4 Test Bandwidth = 10

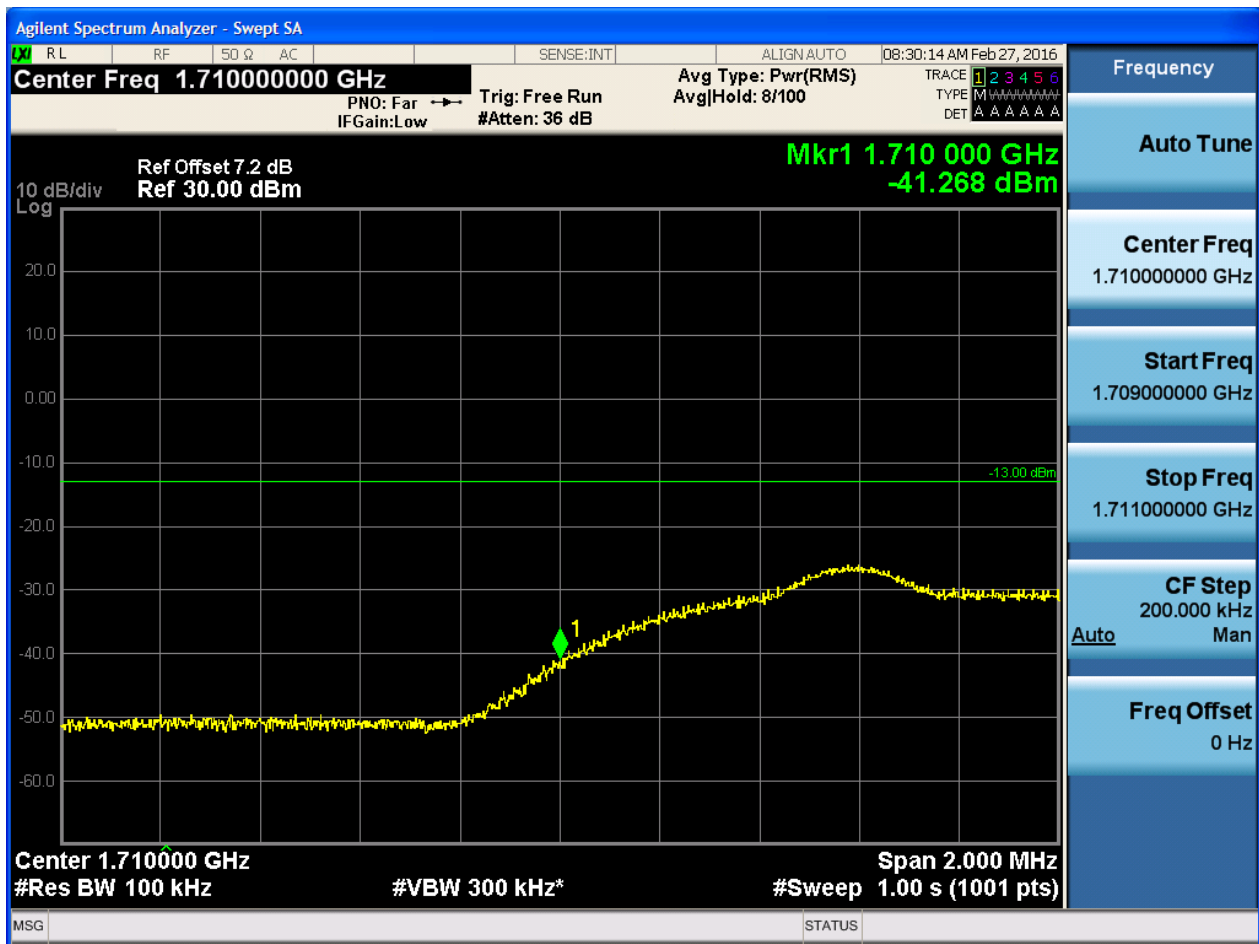
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



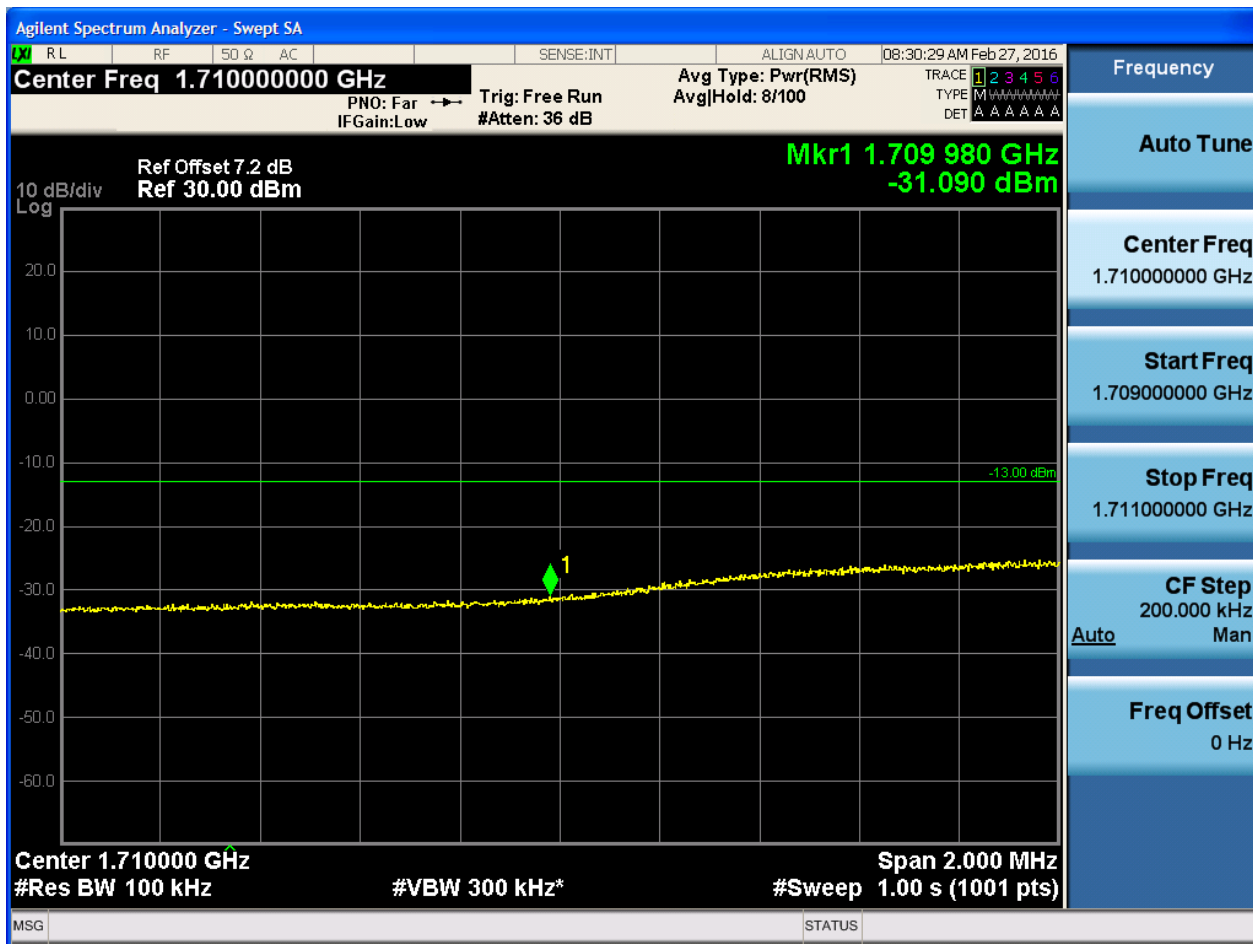


5.1.1.1.4.1.2 Test RB = RB1#49



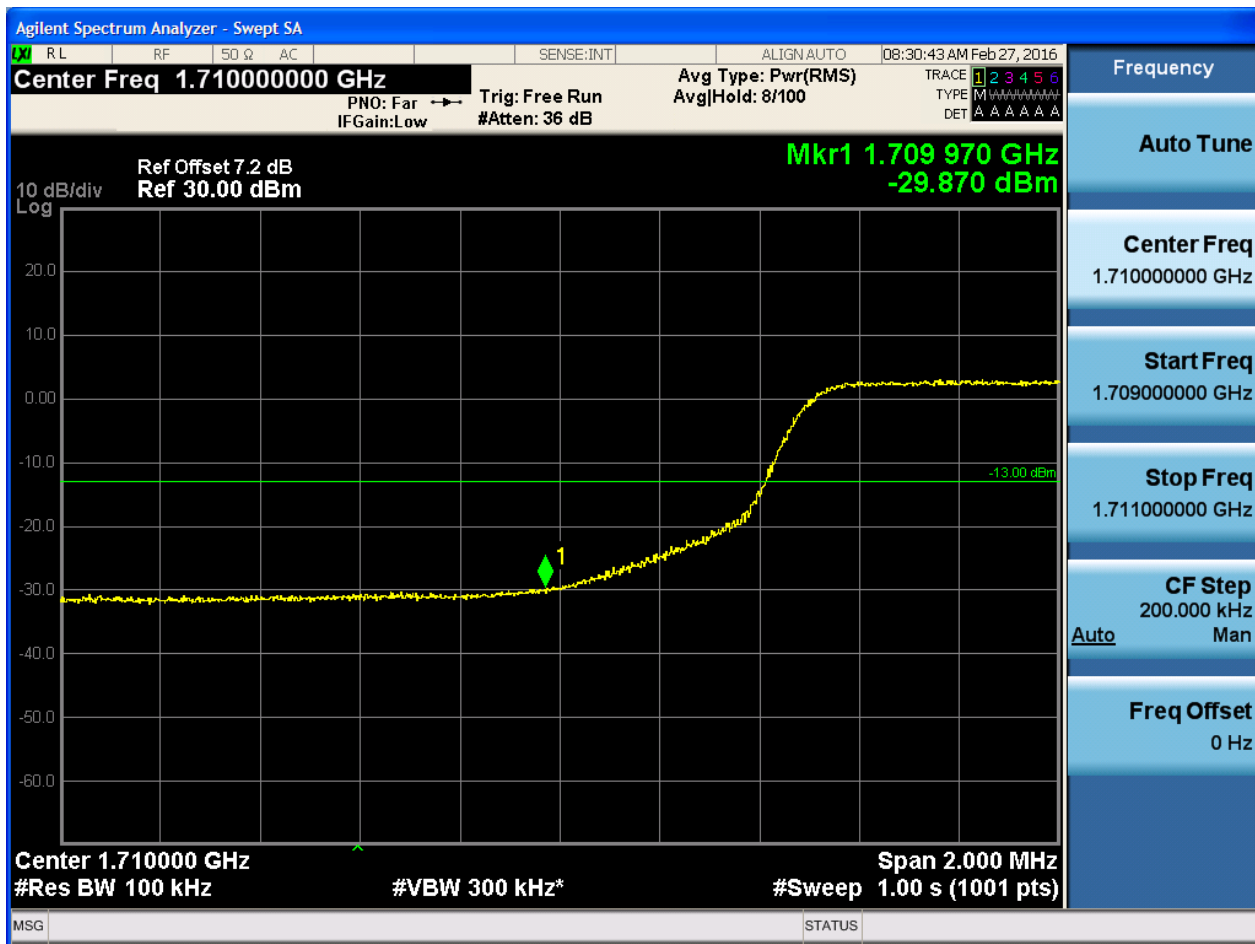


5.1.1.1.4.1.3 Test RB = RB25#13





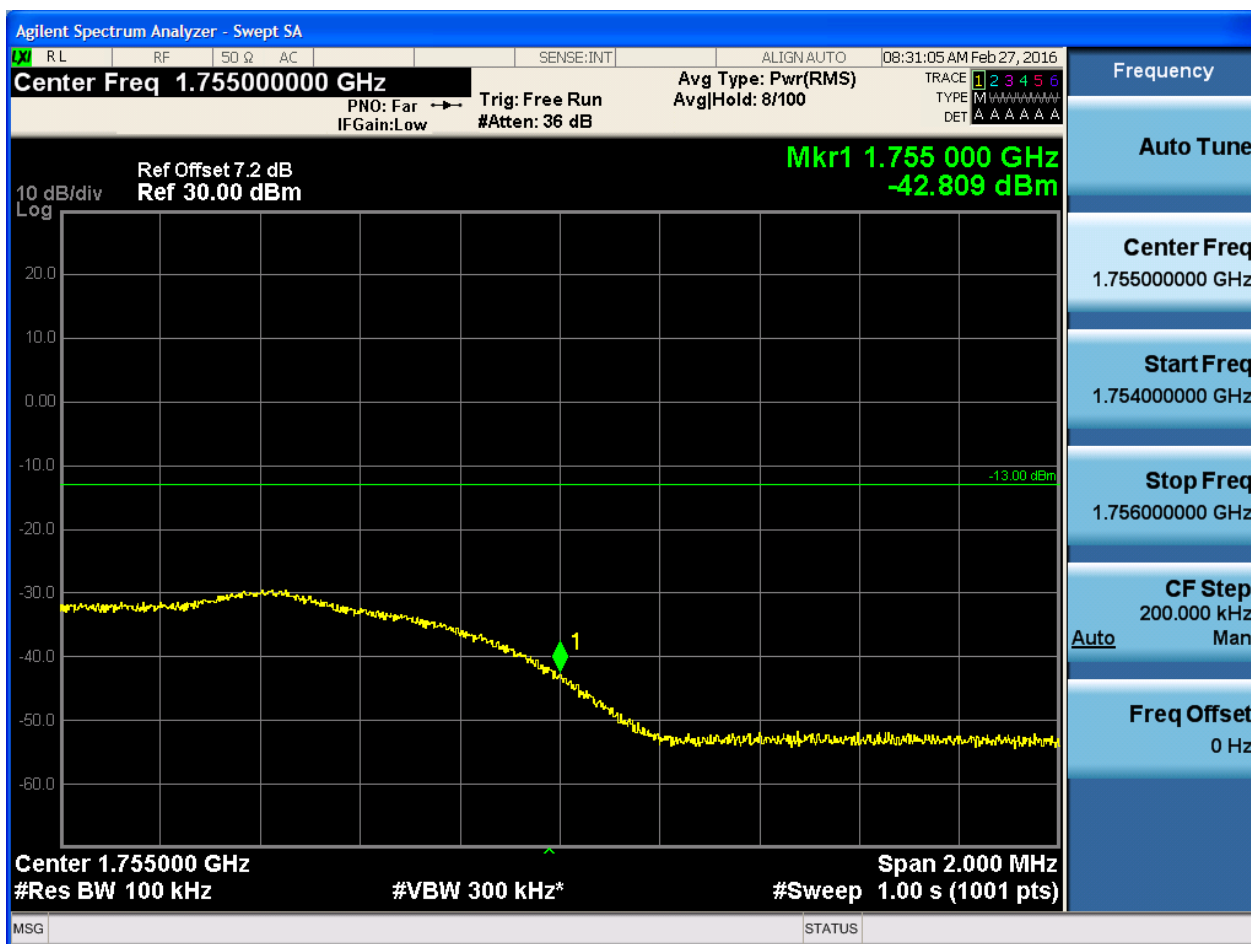
5.1.1.1.4.1.4 Test RB = RB50#0





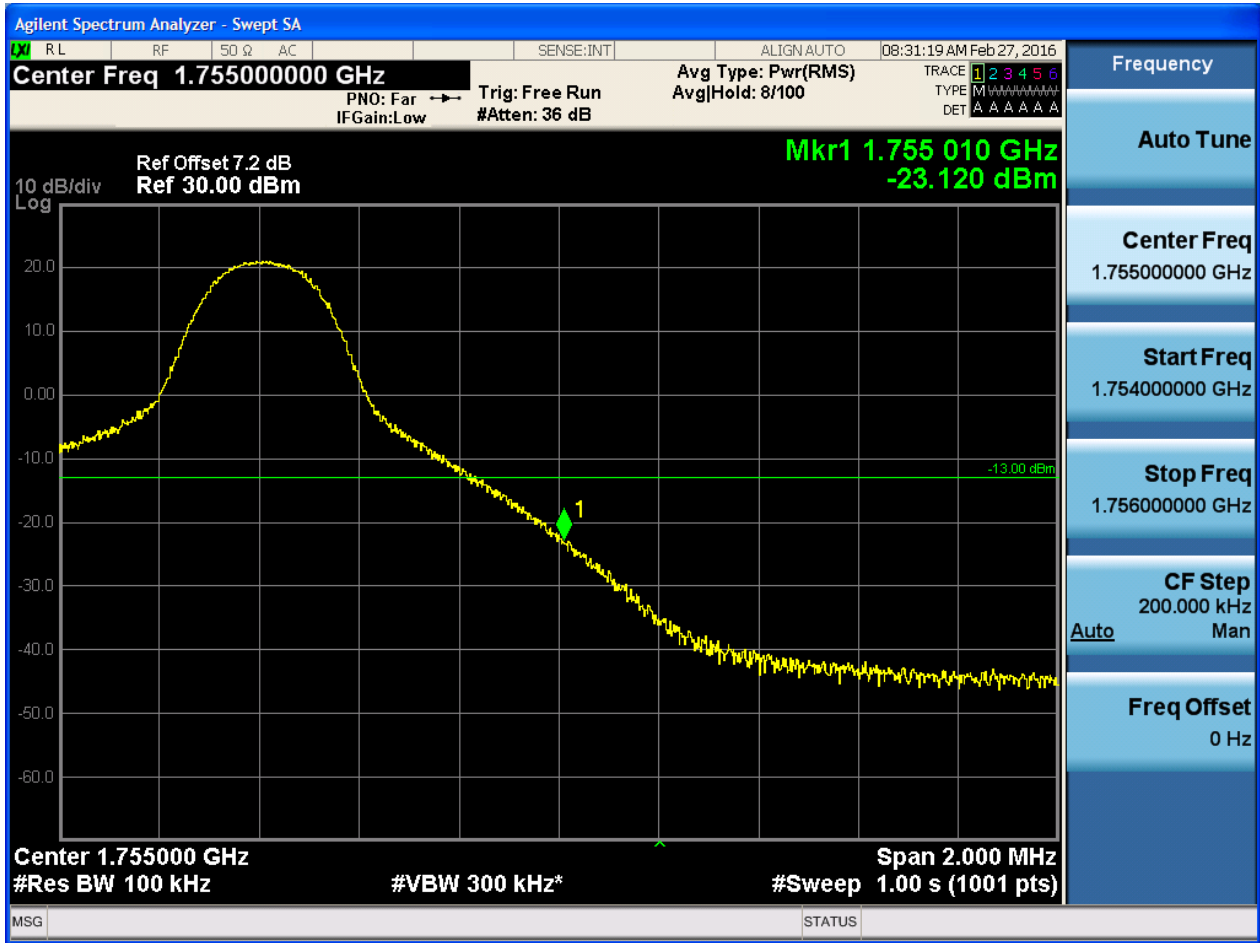
5.1.1.1.4.2 Test Channel = HCH

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





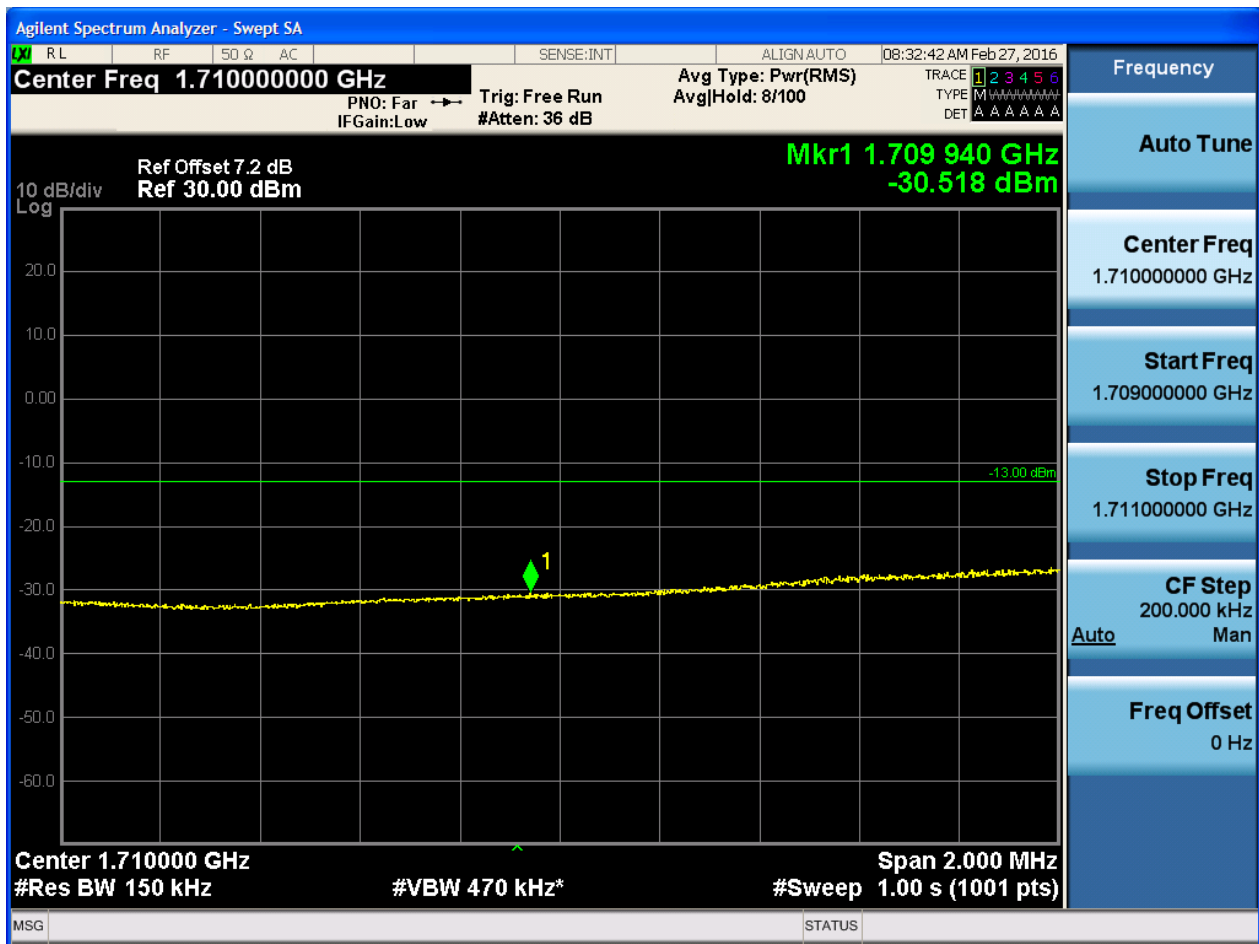


5.1.1.1.5.1.2 Test RB = RB1#74



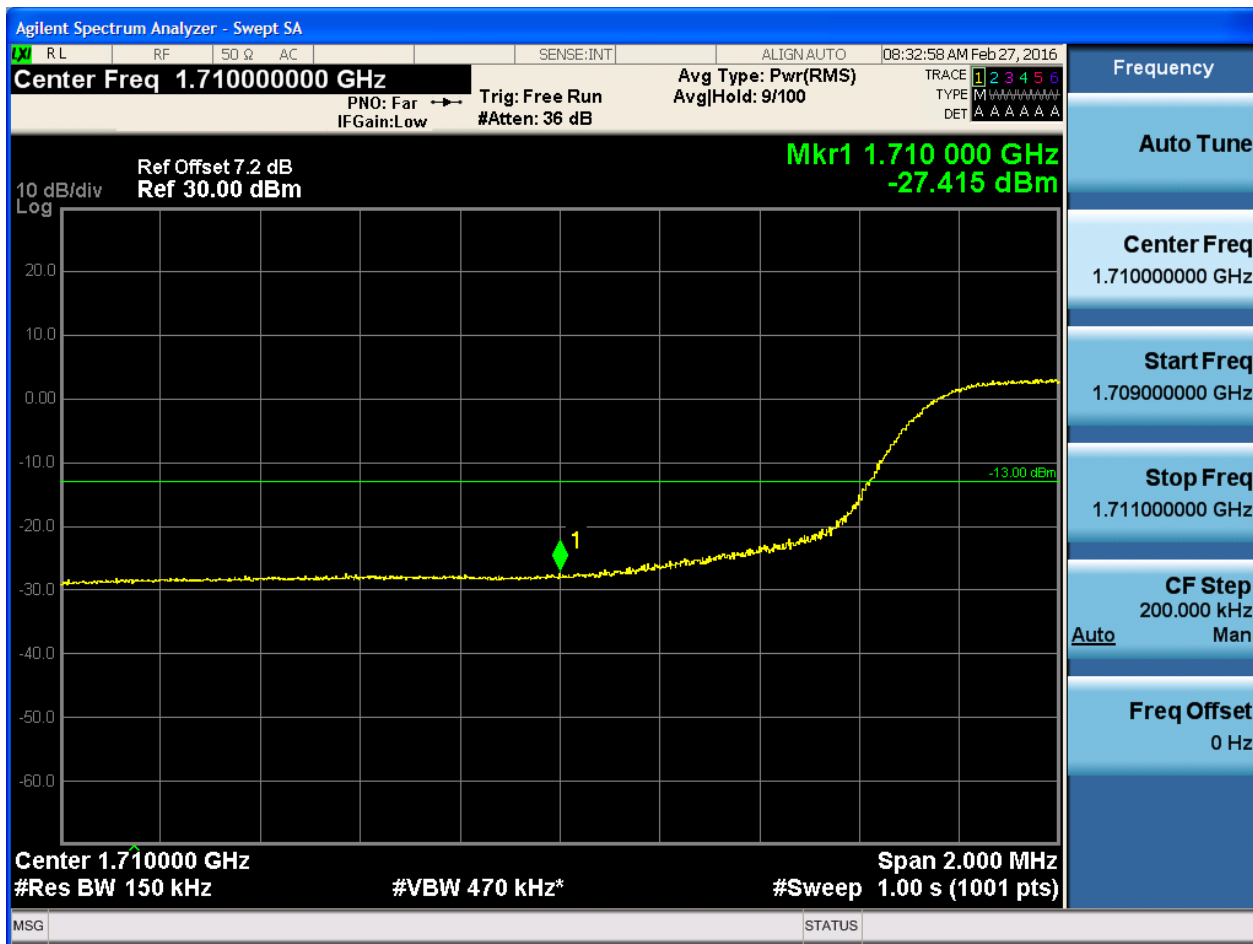


5.1.1.1.5.1.3 Test RB = RB38#19





5.1.1.1.5.1.4 Test RB = RB75#0





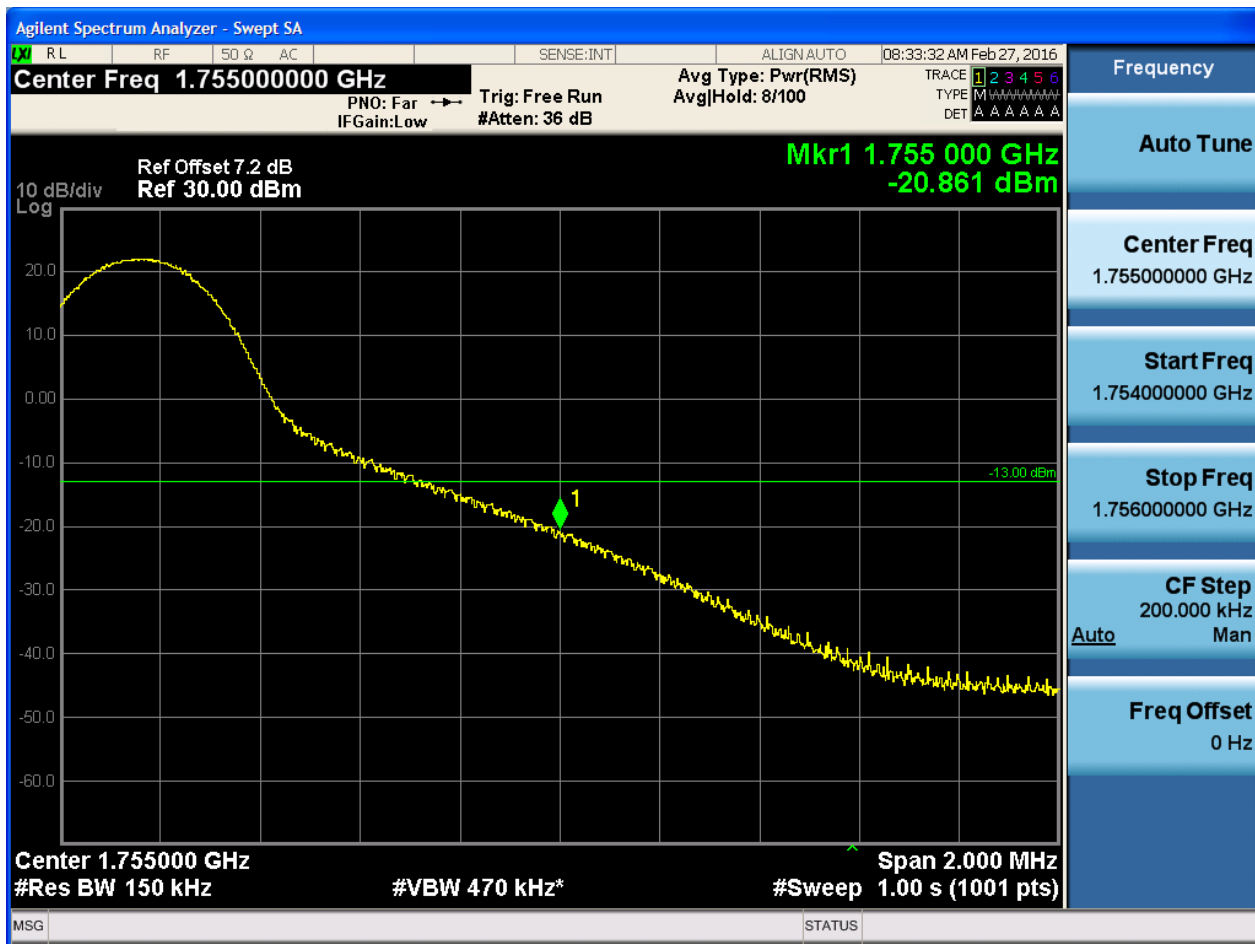
5.1.1.1.5.2 Test Channel = HCH

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





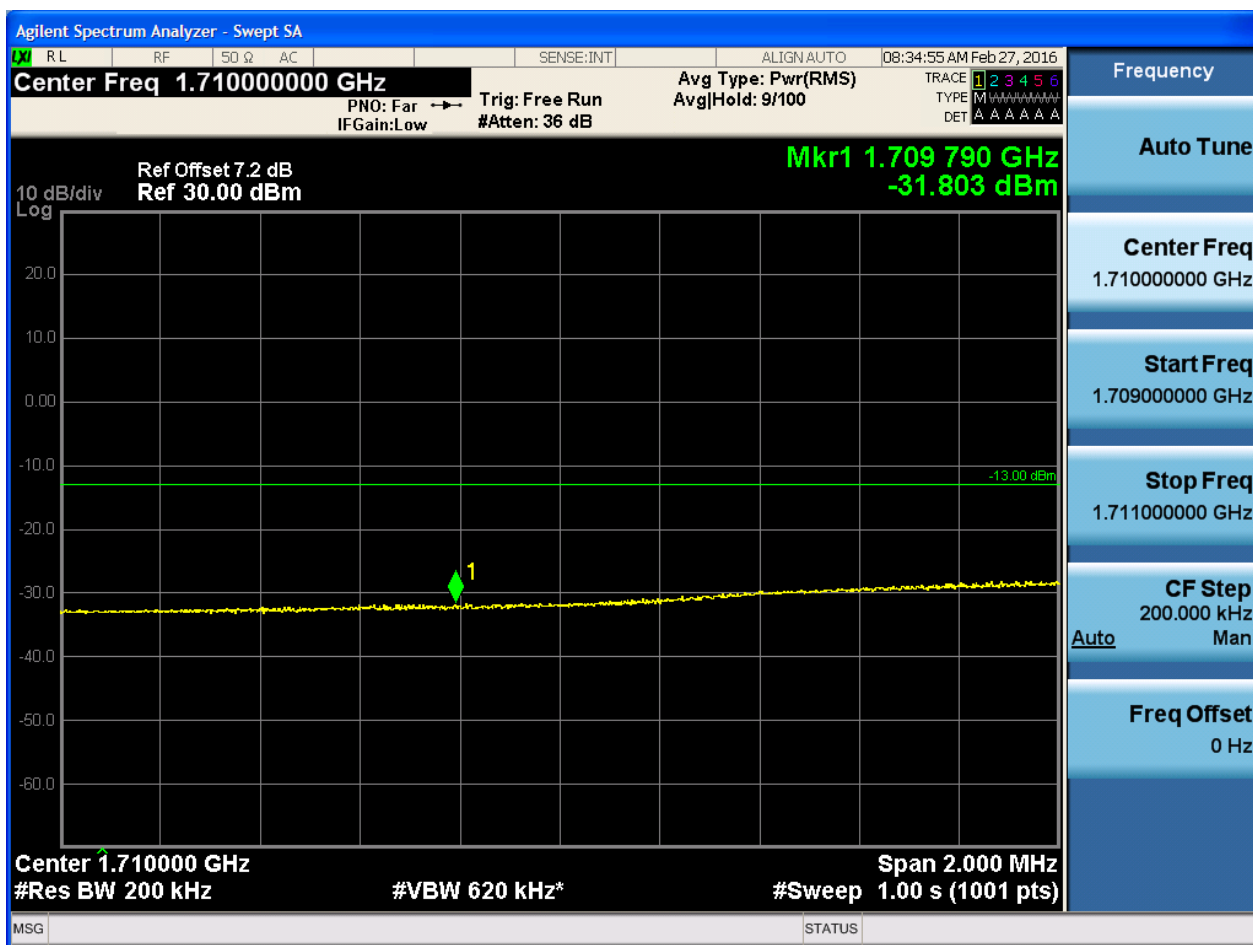


5.1.1.1.6.1.2 Test RB = RB1#99



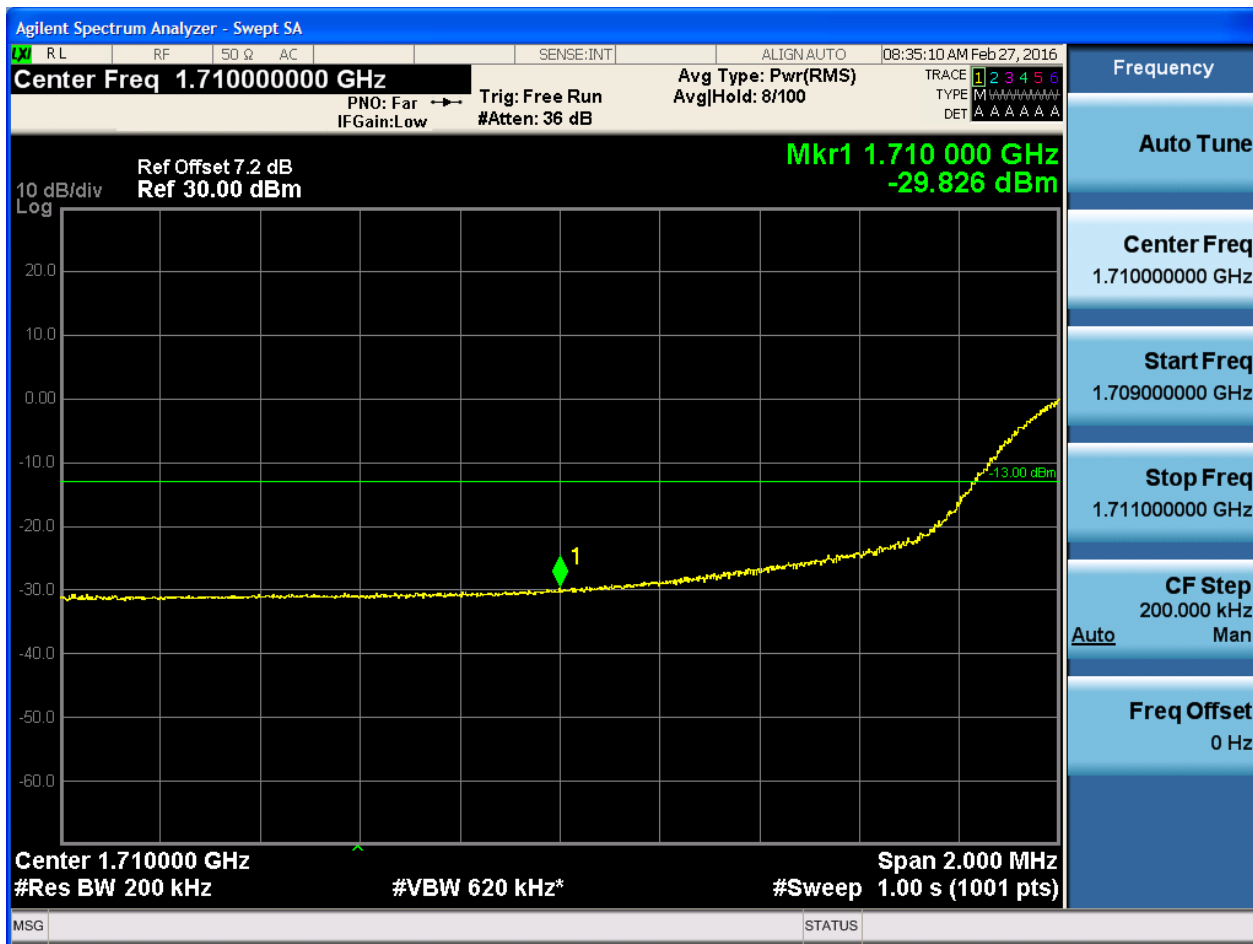


5.1.1.1.6.1.3 Test RB = RB50#25





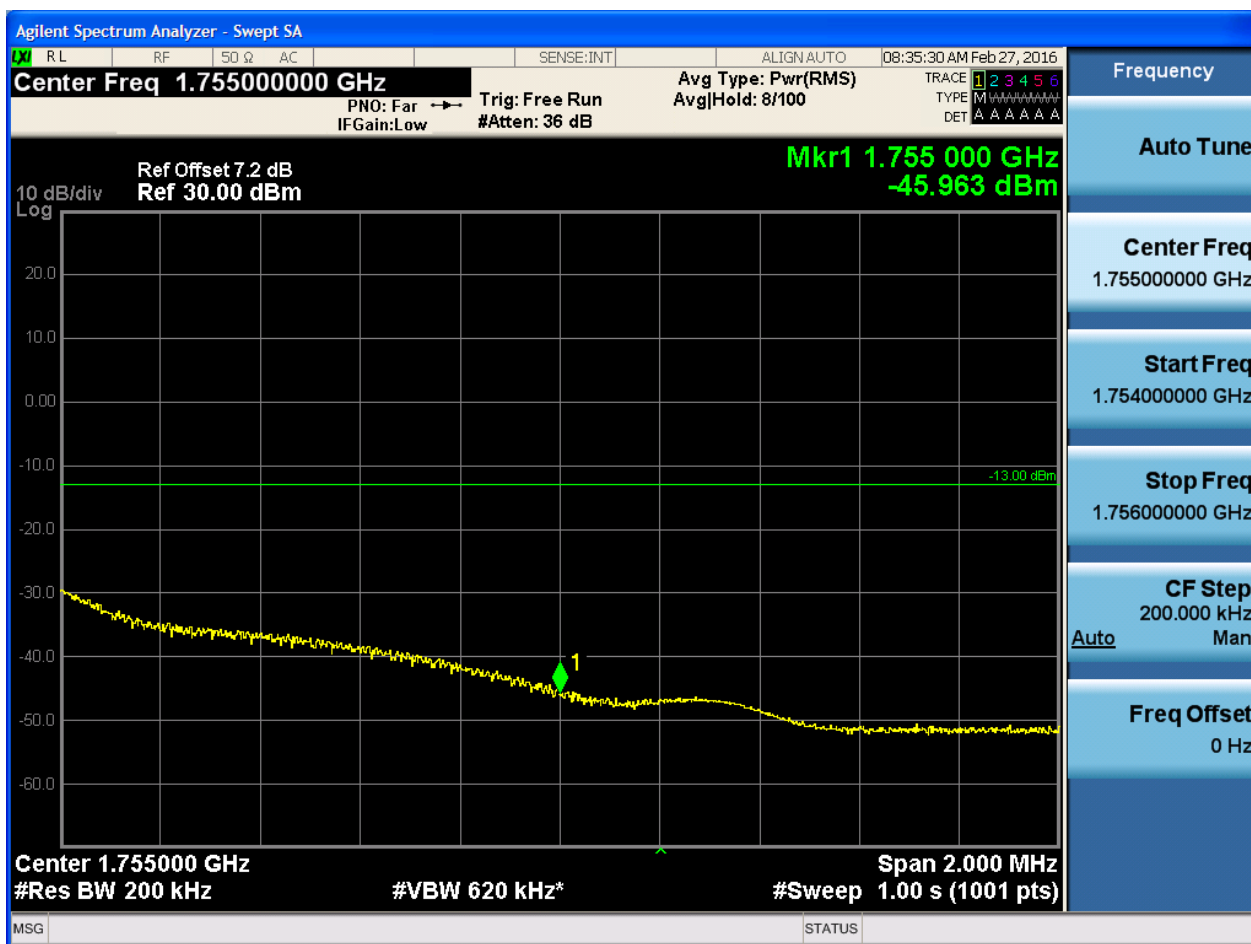
5.1.1.1.6.1.4 Test RB = RB100#0





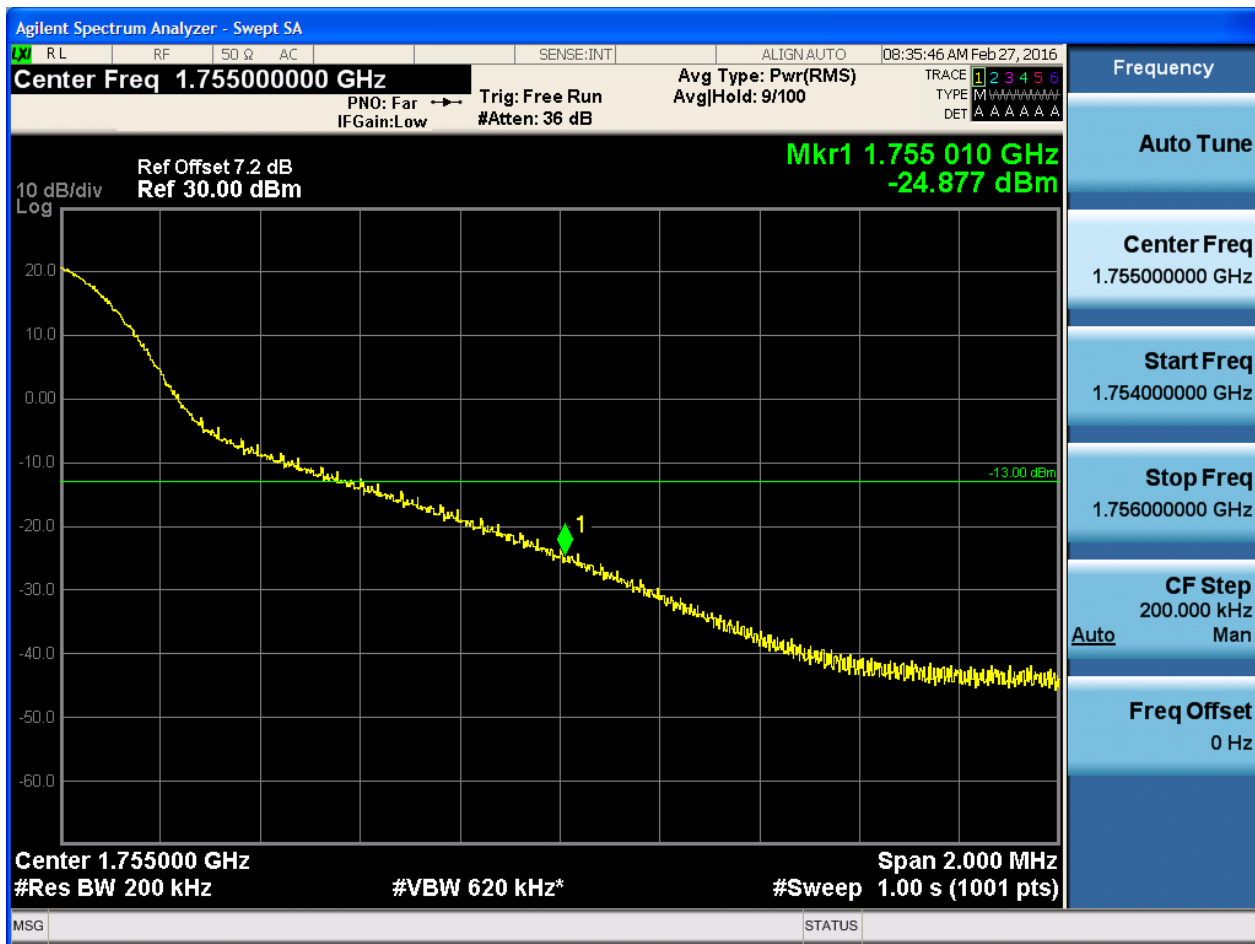
5.1.1.1.6.2 Test Channel = HCH

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



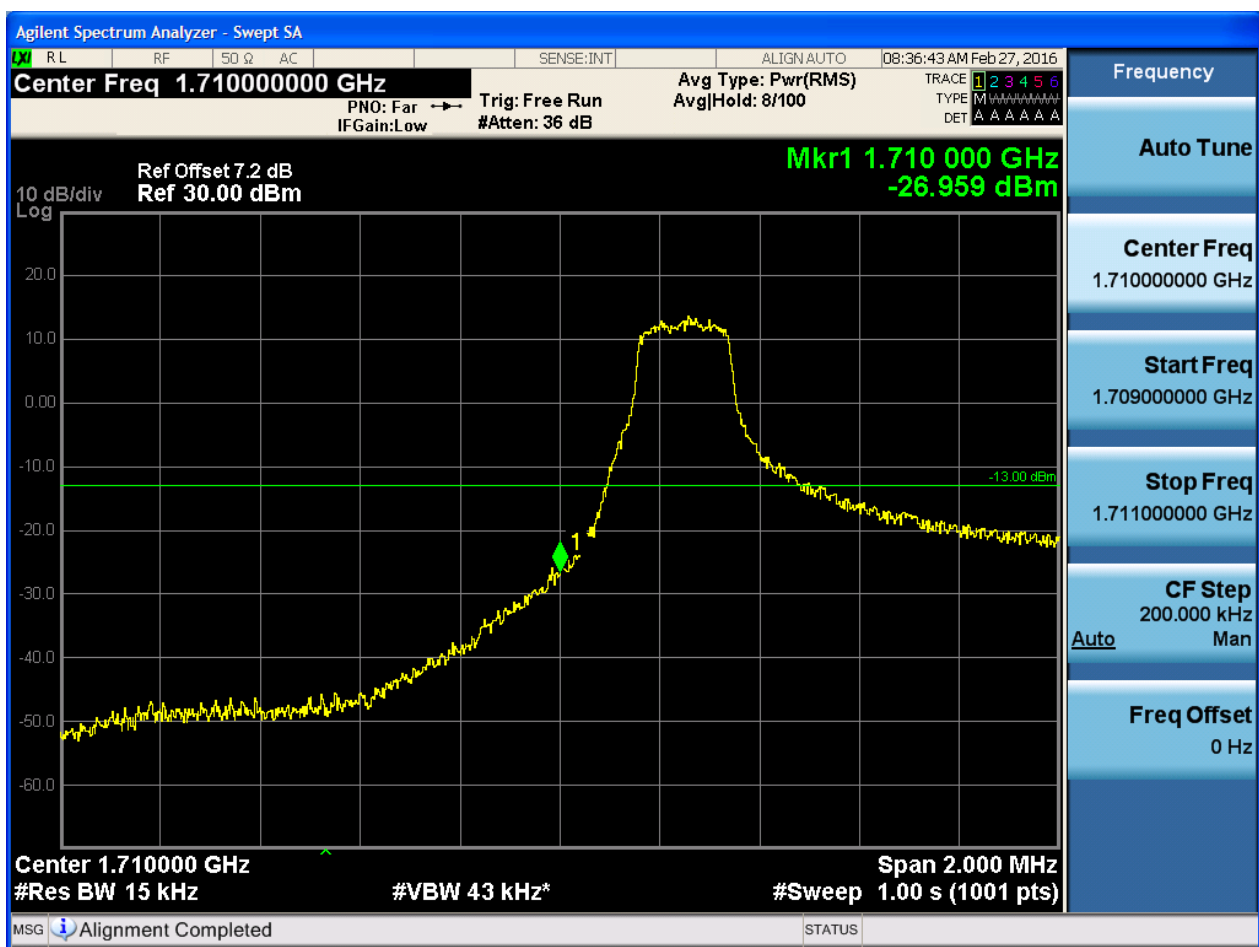


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

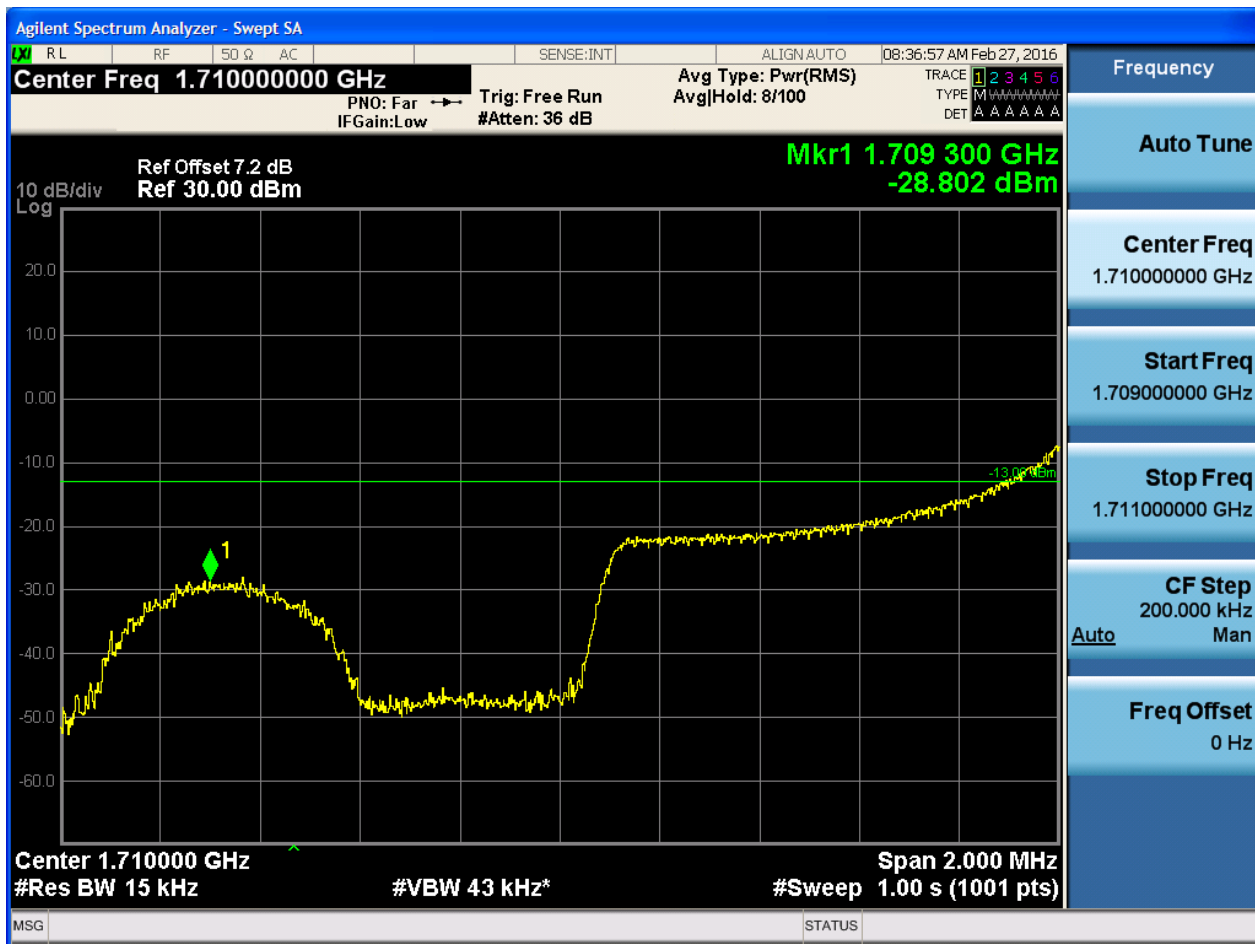
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



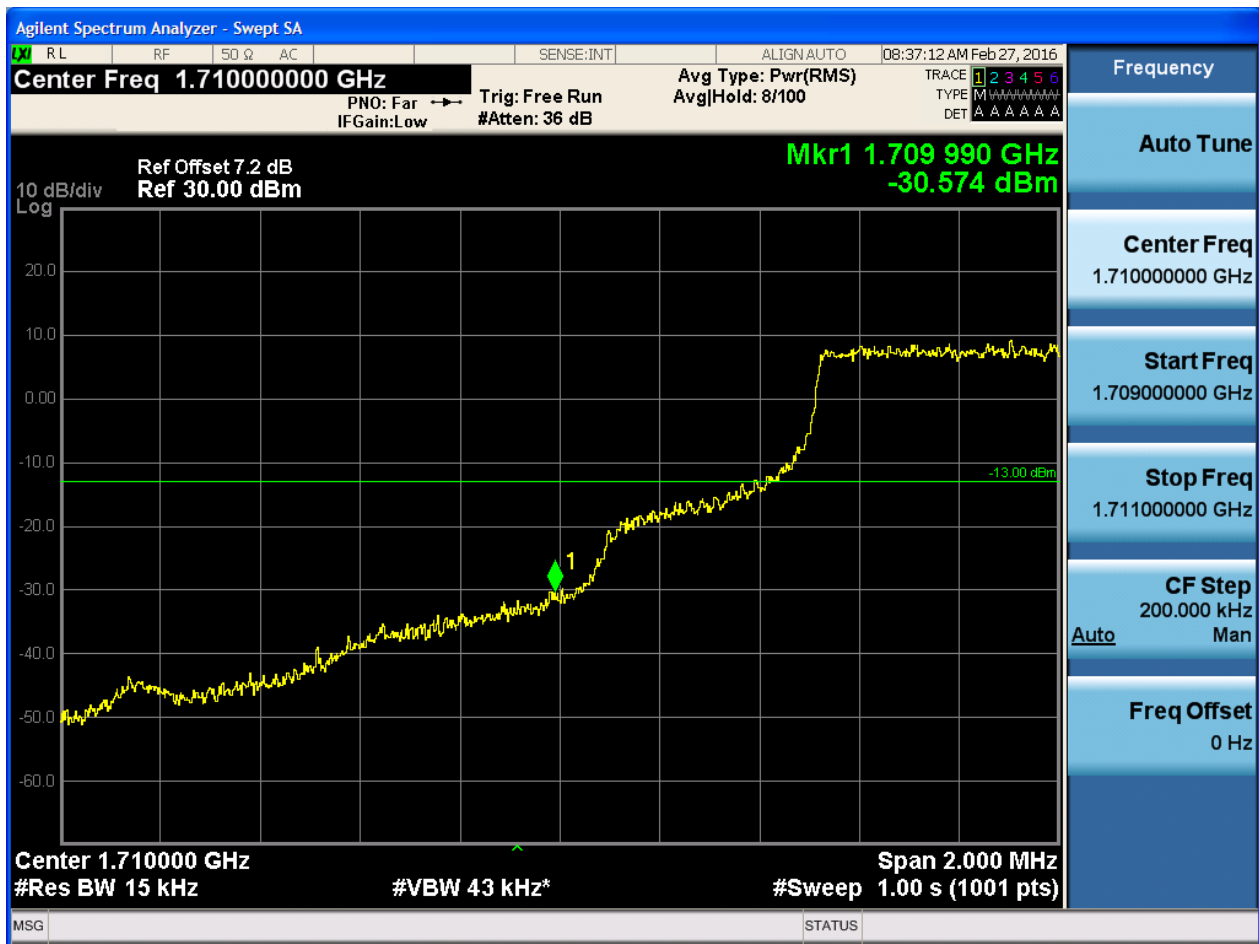


5.1.1.2.1.2 Test RB = RB1#5





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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 010 GHz
-28.726 dBm

Center 1.755000 GHz
#Res BW 15 kHz
#VBW 43 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



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-27.685 dBm

Center 1.755000 GHz
#Res BW 15 kHz
#VBW 43 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



5.1.1.2.1.2.4 Test RB = RB6#0







Agilent Spectrum Analyzer - Swept SA

Center Freq 1.71000000 GHz

Ref Offset 7.2 dB
Ref 30.00 dBm

Mkr1 1.710 GHz
-33.841 dBm

10 dB/div
Log

Center 1.71000 GHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.71000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz