



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	22.55	22.82	30	PASS
				RB1#3	22.65	23.25	30	PASS
				RB1#5	22.51	23.06	30	PASS
				RB3#0	22.57	22.94	30	PASS
				RB3#2	22.56	22.81	30	PASS
				RB3#3	22.58	23.11	30	PASS
				RB6#0	21.57	22.20	30	PASS
			MCH	RB1#0	22.71	23.22	30	PASS
				RB1#3	22.68	23.29	30	PASS
				RB1#5	22.53	23.15	30	PASS
				RB3#0	22.69	23.12	30	PASS
				RB3#2	22.65	23.11	30	PASS
				RB3#3	22.58	22.96	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.71	22.33	30	PASS
			HCH	RB1#0	22.54	22.92	30	PASS
				RB1#3	22.56	23.15	30	PASS
				RB1#5	22.44	23.05	30	PASS
				RB3#0	22.59	22.95	30	PASS
				RB3#2	22.54	22.92	30	PASS
				RB3#3	22.45	23.09	30	PASS
				RB6#0	21.58	22.07	30	PASS
		3	LCH	RB1#0	22.4	22.82	30	PASS
				RB1#7	22.69	23.24	30	PASS
				RB1#14	22.42	22.76	30	PASS
				RB8#0	21.55	22.18	30	PASS
				RB8#4	21.6	21.98	30	PASS
				RB8#7	21.55	22.03	30	PASS
				RB15#0	21.52	22.16	30	PASS
			MCH	RB1#0	22.51	23.00	30	PASS
				RB1#7	22.7	23.00	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.34	22.72	30	PASS
				RB8#0	21.62	22.00	30	PASS
				RB8#4	21.63	22.26	30	PASS
				RB8#7	21.56	21.83	30	PASS
				RB15#0	21.58	22.12	30	PASS
			HCH	RB1#0	22.51	22.89	30	PASS
				RB1#7	22.65	23.22	30	PASS
				RB1#14	22.27	22.62	30	PASS
				RB8#0	21.58	22.13	30	PASS
				RB8#4	21.57	21.98	30	PASS
				RB8#7	21.49	21.84	30	PASS
				RB15#0	21.52	22.02	30	PASS
		5	LCH	RB1#0	22.91	23.34	30	PASS
				RB1#13	23.32	23.76	30	PASS
				RB1#24	22.79	23.17	30	PASS
				RB12#0	22.14	22.56	30	PASS
				RB12#6	22.26	22.87	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	22.11	22.60	30	PASS
				RB25#0	22.04	22.63	30	PASS
			MCH	RB1#0	22.87	23.46	30	PASS
				RB1#13	23.13	23.58	30	PASS
				RB1#24	22.6	22.89	30	PASS
				RB12#0	22.17	22.45	30	PASS
				RB12#6	22.23	22.51	30	PASS
				RB12#13	21.99	22.34	30	PASS
				RB25#0	22.08	22.48	30	PASS
			HCH	RB1#0	22.95	23.31	30	PASS
				RB1#13	23.05	23.33	30	PASS
				RB1#24	22.37	23.01	30	PASS
				RB12#0	22.16	22.55	30	PASS
				RB12#6	22.14	22.43	30	PASS
				RB12#13	21.89	22.52	30	PASS
				RB25#0	22.05	22.49	30	PASS
		10	LCH	RB1#0	22.8	23.38	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	23.28	23.57	30	PASS
				RB1#49	22.88	23.38	30	PASS
				RB25#0	22.06	22.60	30	PASS
				RB25#13	22.17	22.67	30	PASS
				RB25#25	22.07	22.64	30	PASS
				RB50#0	22.06	22.31	30	PASS
			MCH	RB1#0	22.89	23.39	30	PASS
				RB1#25	23.13	23.39	30	PASS
				RB1#49	22.62	22.92	30	PASS
				RB25#0	22.12	22.66	30	PASS
				RB25#13	22.11	22.48	30	PASS
				RB25#25	21.95	22.21	30	PASS
				RB50#0	22.01	22.44	30	PASS
			HCH	RB1#0	22.96	23.47	30	PASS
				RB1#25	23.21	23.55	30	PASS
				RB1#49	22.41	22.78	30	PASS
				RB25#0	22.16	22.57	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.18	22.83	30	PASS
				RB25#25	21.97	22.48	30	PASS
				RB50#0	22.06	22.39	30	PASS
		15	LCH	RB1#0	22.85	23.43	30	PASS
				RB1#38	23.25	23.73	30	PASS
				RB1#74	22.97	23.55	30	PASS
				RB38#0	22.19	22.73	30	PASS
				RB38#19	22.27	22.55	30	PASS
				RB38#39	22.26	22.76	30	PASS
				RB75#0	22.26	22.84	30	PASS
			MCH	RB1#0	22.91	23.56	30	PASS
				RB1#38	23.11	23.59	30	PASS
				RB1#74	22.77	23.35	30	PASS
				RB38#0	22.26	22.76	30	PASS
				RB38#19	22.25	22.88	30	PASS
				RB38#39	22.12	22.68	30	PASS
				RB75#0	22.12	22.71	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.86	23.44	30	PASS
				RB1#38	23.26	23.76	30	PASS
				RB1#74	22.51	23.09	30	PASS
				RB38#0	22.11	22.75	30	PASS
				RB38#19	22.27	22.84	30	PASS
				RB38#39	22.12	22.72	30	PASS
				RB75#0	22.09	22.71	30	PASS
		20	LCH	RB1#0	21.99	22.35	30	PASS
				RB1#50	22.82	23.19	30	PASS
				RB1#99	22.4	22.98	30	PASS
				RB50#0	21.61	21.91	30	PASS
				RB50#25	21.76	22.05	30	PASS
				RB50#50	21.7	22.07	30	PASS
				RB100#0	21.65	21.91	30	PASS
			MCH	RB1#0	22.53	23.08	30	PASS
				RB1#50	22.65	23.23	30	PASS
				RB1#99	21.49	21.91	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.74	22.34	30	PASS
				RB50#25	21.67	22.25	30	PASS
				RB50#50	21.66	22.06	30	PASS
				RB100#0	21.68	22.13	30	PASS
			HCH	RB1#0	22.08	22.71	30	PASS
				RB1#50	21.91	22.17	30	PASS
				RB1#99	20.99	21.59	30	PASS
				RB50#0	21.63	22.15	30	PASS
				RB50#25	21.67	22.03	30	PASS
				RB50#50	21.64	21.96	30	PASS
				RB100#0	21.69	22.21	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.66	21.96	30	PASS
				RB1#3	21.73	22.26	30	PASS
				RB1#5	21.74	22.24	30	PASS
				RB3#0	21.68	22.20	30	PASS
				RB3#2	21.75	22.19	30	PASS
				RB3#3	21.71	22.04	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	20.53	21.05	30	PASS
			MCH	RB1#0	21.59	21.99	30	PASS
				RB1#3	21.72	22.17	30	PASS
				RB1#5	21.59	22.08	30	PASS
				RB3#0	21.74	22.15	30	PASS
				RB3#2	21.75	22.04	30	PASS
				RB3#3	21.65	22.02	30	PASS
				RB6#0	20.66	21.01	30	PASS
			HCH	RB1#0	21.42	21.91	30	PASS
				RB1#3	21.53	21.87	30	PASS
				RB1#5	21.34	21.71	30	PASS
				RB3#0	21.58	21.99	30	PASS
				RB3#2	21.58	21.98	30	PASS
				RB3#3	21.51	21.99	30	PASS
				RB6#0	20.54	21.08	30	PASS
		3	LCH	RB1#0	21.41	21.88	30	PASS
				RB1#7	22.07	22.45	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.8	22.44	30	PASS
				RB8#0	20.5	20.90	30	PASS
				RB8#4	20.52	20.95	30	PASS
				RB8#7	20.49	20.86	30	PASS
				RB15#0	20.51	20.85	30	PASS
			MCH	RB1#0	21.67	22.25	30	PASS
				RB1#7	21.81	22.06	30	PASS
				RB1#14	21.47	21.99	30	PASS
				RB8#0	20.58	21.05	30	PASS
				RB8#4	20.55	21.03	30	PASS
				RB8#7	20.53	21.02	30	PASS
				RB15#0	20.48	20.82	30	PASS
			HCH	RB1#0	21.5	21.89	30	PASS
				RB1#7	21.84	22.47	30	PASS
				RB1#14	21.44	21.78	30	PASS
				RB8#0	20.56	20.94	30	PASS
				RB8#4	20.56	20.99	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	20.42	20.85	30	PASS
				RB15#0	20.49	21.09	30	PASS
		5	LCH	RB1#0	21.85	22.23	30	PASS
				RB1#13	22.32	22.68	30	PASS
				RB1#24	21.85	22.11	30	PASS
				RB12#0	21.09	21.39	30	PASS
				RB12#6	21.23	21.80	30	PASS
				RB12#13	21.08	21.46	30	PASS
				RB25#0	21.01	21.56	30	PASS
			MCH	RB1#0	22	22.64	30	PASS
				RB1#13	22.25	22.78	30	PASS
				RB1#24	21.74	22.06	30	PASS
				RB12#0	21.09	21.40	30	PASS
				RB12#6	21.15	21.57	30	PASS
				RB12#13	20.86	21.24	30	PASS
				RB25#0	20.96	21.27	30	PASS
			HCH	RB1#0	22.14	22.60	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.24	22.61	30	PASS
				RB1#24	21.68	22.01	30	PASS
				RB12#0	21.2	21.61	30	PASS
				RB12#6	21.18	21.65	30	PASS
				RB12#13	20.94	21.35	30	PASS
				RB25#0	21.07	21.41	30	PASS
		10	LCH	RB1#0	21.83	22.43	30	PASS
				RB1#25	22.46	22.86	30	PASS
				RB1#49	21.98	22.34	30	PASS
				RB25#0	21.07	21.57	30	PASS
				RB25#13	21.18	21.52	30	PASS
				RB25#25	21.09	21.70	30	PASS
				RB50#0	21.02	21.67	30	PASS
			MCH	RB1#0	22.01	22.37	30	PASS
				RB1#25	22.31	22.82	30	PASS
				RB1#49	21.83	22.35	30	PASS
				RB25#0	21.07	21.62	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.07	21.44	30	PASS
				RB25#25	20.97	21.36	30	PASS
				RB50#0	20.95	21.51	30	PASS
			HCH	RB1#0	21.86	22.48	30	PASS
				RB1#25	22.23	22.62	30	PASS
				RB1#49	21.58	22.22	30	PASS
				RB25#0	21.17	21.45	30	PASS
				RB25#13	21.2	21.49	30	PASS
				RB25#25	21	21.49	30	PASS
				RB50#0	21.05	21.41	30	PASS
		15	LCH	RB1#0	22.07	22.44	30	PASS
				RB1#38	22.52	22.84	30	PASS
				RB1#74	22.19	22.76	30	PASS
				RB38#0	21.12	21.41	30	PASS
				RB38#19	21.19	21.56	30	PASS
				RB38#39	21.14	21.78	30	PASS
				RB75#0	21.18	21.57	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.19	22.83	30	PASS
				RB1#38	22.24	22.60	30	PASS
				RB1#74	21.91	22.52	30	PASS
				RB38#0	21.16	21.75	30	PASS
				RB38#19	21.22	21.47	30	PASS
				RB38#39	21.1	21.66	30	PASS
				RB75#0	21.01	21.45	30	PASS
			HCH	RB1#0	22.02	22.36	30	PASS
				RB1#38	22.36	22.73	30	PASS
				RB1#74	21.89	22.23	30	PASS
				RB38#0	21.22	21.75	30	PASS
				RB38#19	21.32	21.93	30	PASS
				RB38#39	21.2	21.50	30	PASS
				RB75#0	21.13	21.73	30	PASS
		20	LCH	RB1#0	22.06	22.43	30	PASS
				RB1#50	22.04	22.51	30	PASS
				RB1#99	21.96	22.29	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.57	21.15	30	PASS
				RB50#25	20.67	21.05	30	PASS
				RB50#50	20.62	21.23	30	PASS
				RB100#0	20.58	20.96	30	PASS
			MCH	RB1#0	22.3	22.85	30	PASS
				RB1#50	22	22.31	30	PASS
				RB1#99	21.78	22.30	30	PASS
				RB50#0	20.65	21.07	30	PASS
				RB50#25	20.58	20.94	30	PASS
				RB50#50	20.58	20.92	30	PASS
				RB100#0	20.61	21.13	30	PASS
			HCH	RB1#0	22.1	22.47	30	PASS
				RB1#50	22.18	22.61	30	PASS
				RB1#99	21.35	21.81	30	PASS
				RB50#0	20.58	21.12	30	PASS
				RB50#25	20.61	20.99	30	PASS
				RB50#50	20.58	21.09	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	20.65	21.26	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	4.57	13	PASS
				RB1#3	4.78	13	PASS
				RB1#5	4.69	13	PASS
				RB3#0	5.01	13	PASS
				RB3#2	4.97	13	PASS
				RB3#3	5.03	13	PASS
				RB6#0	5.98	13	PASS
			MCH	RB1#0	4.04	13	PASS
				RB1#3	4.06	13	PASS
				RB1#5	4.07	13	PASS
				RB3#0	4.45	13	PASS
				RB3#2	4.48	13	PASS
				RB3#3	4.5	13	PASS
				RB6#0	5.19	13	PASS
			HCH	RB1#0	4.5	13	PASS
				RB1#3	4.51	13	PASS
				RB1#5	4.49	13	PASS
				RB3#0	4.68	13	PASS
				RB3#2	4.68	13	PASS
				RB3#3	4.77	13	PASS
				RB6#0	5.53	13	PASS
		3	LCH	RB1#0	4.74	13	PASS
				RB1#7	4.72	13	PASS
				RB1#14	4.89	13	PASS
				RB8#0	5.68	13	PASS
				RB8#4	5.78	13	PASS
				RB8#7	5.72	13	PASS
				RB15#0	5.78	13	PASS
			MCH	RB1#0	4.31	13	PASS
				RB1#7	4.14	13	PASS
				RB1#14	4.37	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	5.06	13	PASS
				RB8#4	5.03	13	PASS
				RB8#7	5.04	13	PASS
				RB15#0	5.47	13	PASS
			HCH	RB1#0	4.73	13	PASS
				RB1#7	4.45	13	PASS
				RB1#14	4.72	13	PASS
				RB8#0	5.37	13	PASS
				RB8#4	5.45	13	PASS
				RB8#7	5.41	13	PASS
				RB15#0	5.82	13	PASS
		5	LCH	RB1#0	4.82	13	PASS
				RB1#13	4.63	13	PASS
				RB1#24	4.94	13	PASS
				RB12#0	5.6	13	PASS
				RB12#6	5.59	13	PASS
				RB12#13	5.62	13	PASS
				RB25#0	5.68	13	PASS
			MCH	RB1#0	4.36	13	PASS
				RB1#13	4.25	13	PASS
				RB1#24	4.53	13	PASS
				RB12#0	5.15	13	PASS
				RB12#6	4.97	13	PASS
				RB12#13	5.18	13	PASS
				RB25#0	5.72	13	PASS
			HCH	RB1#0	4.67	13	PASS
				RB1#13	4.65	13	PASS
				RB1#24	4.89	13	PASS
				RB12#0	5.51	13	PASS
				RB12#6	5.43	13	PASS
				RB12#13	5.58	13	PASS
				RB25#0	5.86	13	PASS
		10	LCH	RB1#0	4.74	13	PASS
				RB1#25	4.53	13	PASS
				RB1#49	4.76	13	PASS
				RB25#0	5.86	13	PASS
				RB25#13	5.89	13	PASS
				RB25#25	5.93	13	PASS
				RB50#0	6.2	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.35	13	PASS
				RB1#25	4.09	13	PASS
				RB1#49	4.44	13	PASS
				RB25#0	5.37	13	PASS
				RB25#13	5.25	13	PASS
				RB25#25	5.4	13	PASS
				RB50#0	5.84	13	PASS
			HCH	RB1#0	4.49	13	PASS
				RB1#25	4.49	13	PASS
				RB1#49	4.8	13	PASS
				RB25#0	5.76	13	PASS
				RB25#13	5.74	13	PASS
				RB25#25	5.83	13	PASS
				RB50#0	5.96	13	PASS
		15	LCH	RB1#0	4.85	13	PASS
				RB1#38	4.68	13	PASS
				RB1#74	4.58	13	PASS
				RB38#0	5.98	13	PASS
				RB38#19	6.02	13	PASS
				RB38#39	5.86	13	PASS
				RB75#0	6.32	13	PASS
			MCH	RB1#0	4.38	13	PASS
				RB1#38	4.16	13	PASS
				RB1#74	4.56	13	PASS
				RB38#0	5.45	13	PASS
				RB38#19	5.27	13	PASS
				RB38#39	5.5	13	PASS
				RB75#0	6	13	PASS
			HCH	RB1#0	4.28	13	PASS
				RB1#38	4.34	13	PASS
				RB1#74	4.65	13	PASS
				RB38#0	5.62	13	PASS
				RB38#19	5.83	13	PASS
				RB38#39	5.81	13	PASS
				RB75#0	6.25	13	PASS
		20	LCH	RB1#0	5.12	13	PASS
				RB1#50	4.7	13	PASS
				RB1#99	4.78	13	PASS
				RB50#0	6.07	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	5.9	13	PASS
				RB50#50	5.66	13	PASS
				RB100#0	6.29	13	PASS
			MCH	RB1#0	4.73	13	PASS
				RB1#50	4.44	13	PASS
				RB1#99	5.05	13	PASS
				RB50#0	5.56	13	PASS
				RB50#25	5.42	13	PASS
				RB50#50	5.72	13	PASS
				RB100#0	5.96	13	PASS
			HCH	RB1#0	4.88	13	PASS
				RB1#50	5.16	13	PASS
				RB1#99	5.61	13	PASS
				RB50#0	5.83	13	PASS
				RB50#25	5.9	13	PASS
				RB50#50	5.87	13	PASS
				RB100#0	6.3	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.62	13	PASS
				RB1#3	5.87	13	PASS
				RB1#5	5.73	13	PASS
				RB3#0	5.82	13	PASS
				RB3#2	5.69	13	PASS
				RB3#3	5.76	13	PASS
				RB6#0	6.3	13	PASS
			MCH	RB1#0	4.87	13	PASS
				RB1#3	5.18	13	PASS
				RB1#5	4.88	13	PASS
				RB3#0	5.04	13	PASS
				RB3#2	4.96	13	PASS
				RB3#3	5.15	13	PASS
				RB6#0	6.02	13	PASS
			HCH	RB1#0	5.31	13	PASS
				RB1#3	5.62	13	PASS
				RB1#5	5.16	13	PASS
				RB3#0	5.4	13	PASS
				RB3#2	5.37	13	PASS
				RB3#3	5.5	13	PASS
				RB6#0	6.42	13	PASS
		3	LCH	RB1#0	5.68	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	5.54	13	PASS
				RB1#14	5.92	13	PASS
				RB8#0	6.27	13	PASS
				RB8#4	6.35	13	PASS
				RB8#7	6.28	13	PASS
				RB15#0	6.37	13	PASS
			MCH	RB1#0	4.97	13	PASS
				RB1#7	4.84	13	PASS
				RB1#14	4.97	13	PASS
				RB8#0	5.93	13	PASS
				RB8#4	5.93	13	PASS
				RB8#7	5.83	13	PASS
				RB15#0	6.08	13	PASS
			HCH	RB1#0	5.56	13	PASS
				RB1#7	5.16	13	PASS
				RB1#14	5.49	13	PASS
				RB8#0	6.02	13	PASS
				RB8#4	6.12	13	PASS
				RB8#7	6.29	13	PASS
				RB15#0	6.59	13	PASS
		5	LCH	RB1#0	5.65	13	PASS
				RB1#13	5.75	13	PASS
				RB1#24	5.76	13	PASS
				RB12#0	6.1	13	PASS
				RB12#6	6.07	13	PASS
				RB12#13	6.06	13	PASS
				RB25#0	6.49	13	PASS
			MCH	RB1#0	5.19	13	PASS
				RB1#13	5.23	13	PASS
				RB1#24	5.38	13	PASS
				RB12#0	5.82	13	PASS
				RB12#6	5.71	13	PASS
				RB12#13	5.8	13	PASS
				RB25#0	6.33	13	PASS
			HCH	RB1#0	5.35	13	PASS
				RB1#13	5.37	13	PASS
				RB1#24	5.38	13	PASS
				RB12#0	6.25	13	PASS
				RB12#6	6.3	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB12#13	6.24	13	PASS
				RB25#0	6.67	13	PASS
			LCH	RB1#0	5.58	13	PASS
				RB1#25	5.58	13	PASS
				RB1#49	5.64	13	PASS
				RB25#0	6.35	13	PASS
				RB25#13	6.39	13	PASS
				RB25#25	6.5	13	PASS
				RB50#0	7.01	13	PASS
			MCH	RB1#0	5.15	13	PASS
				RB1#25	4.97	13	PASS
				RB1#49	5.17	13	PASS
				RB25#0	5.98	13	PASS
				RB25#13	5.91	13	PASS
				RB25#25	5.89	13	PASS
				RB50#0	6.46	13	PASS
			HCH	RB1#0	5.34	13	PASS
				RB1#25	5.3	13	PASS
				RB1#49	5.48	13	PASS
				RB25#0	6.34	13	PASS
				RB25#13	6.36	13	PASS
				RB25#25	6.4	13	PASS
				RB50#0	6.86	13	PASS
		15	LCH	RB1#0	5.68	13	PASS
				RB1#38	5.63	13	PASS
				RB1#74	5.46	13	PASS
				RB38#0	6.47	13	PASS
				RB38#19	6.61	13	PASS
				RB38#39	6.45	13	PASS
				RB75#0	7.16	13	PASS
			MCH	RB1#0	5.27	13	PASS
				RB1#38	5.09	13	PASS
				RB1#74	5.26	13	PASS
				RB38#0	6.05	13	PASS
				RB38#19	5.89	13	PASS
				RB38#39	5.94	13	PASS
				RB75#0	6.86	13	PASS
			HCH	RB1#0	5.3	13	PASS
				RB1#38	5.41	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#74	5.56	13	PASS
				RB38#0	6.47	13	PASS
				RB38#19	6.45	13	PASS
				RB38#39	6.44	13	PASS
				RB75#0	7.17	13	PASS
		20	LCH	RB1#0	5.61	13	PASS
				RB1#50	5.47	13	PASS
				RB1#99	5.33	13	PASS
				RB50#0	7.01	13	PASS
				RB50#25	6.89	13	PASS
				RB50#50	6.61	13	PASS
				RB100#0	6.96	13	PASS
			MCH	RB1#0	5.14	13	PASS
				RB1#50	4.94	13	PASS
				RB1#99	5.36	13	PASS
				RB50#0	6.38	13	PASS
				RB50#25	6.38	13	PASS
				RB50#50	6.4	13	PASS
				RB100#0	6.87	13	PASS
			HCH	RB1#0	5.02	13	PASS
				RB1#50	5.22	13	PASS
				RB1#99	5.63	13	PASS
				RB50#0	6.44	13	PASS
				RB50#25	6.53	13	PASS
				RB50#50	6.48	13	PASS
				RB100#0	7.02	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

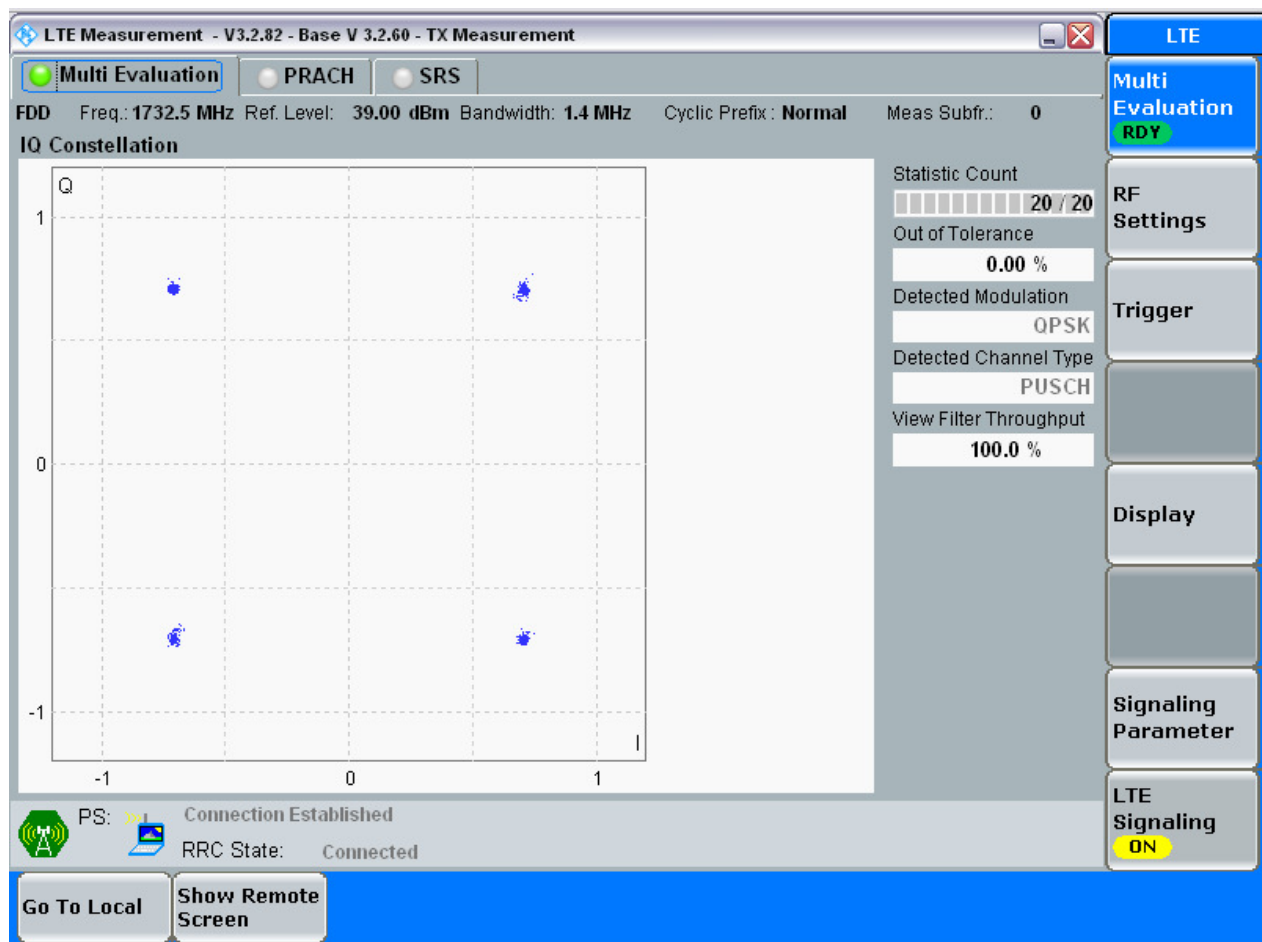
3.1.1 Test Band = BAND4

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

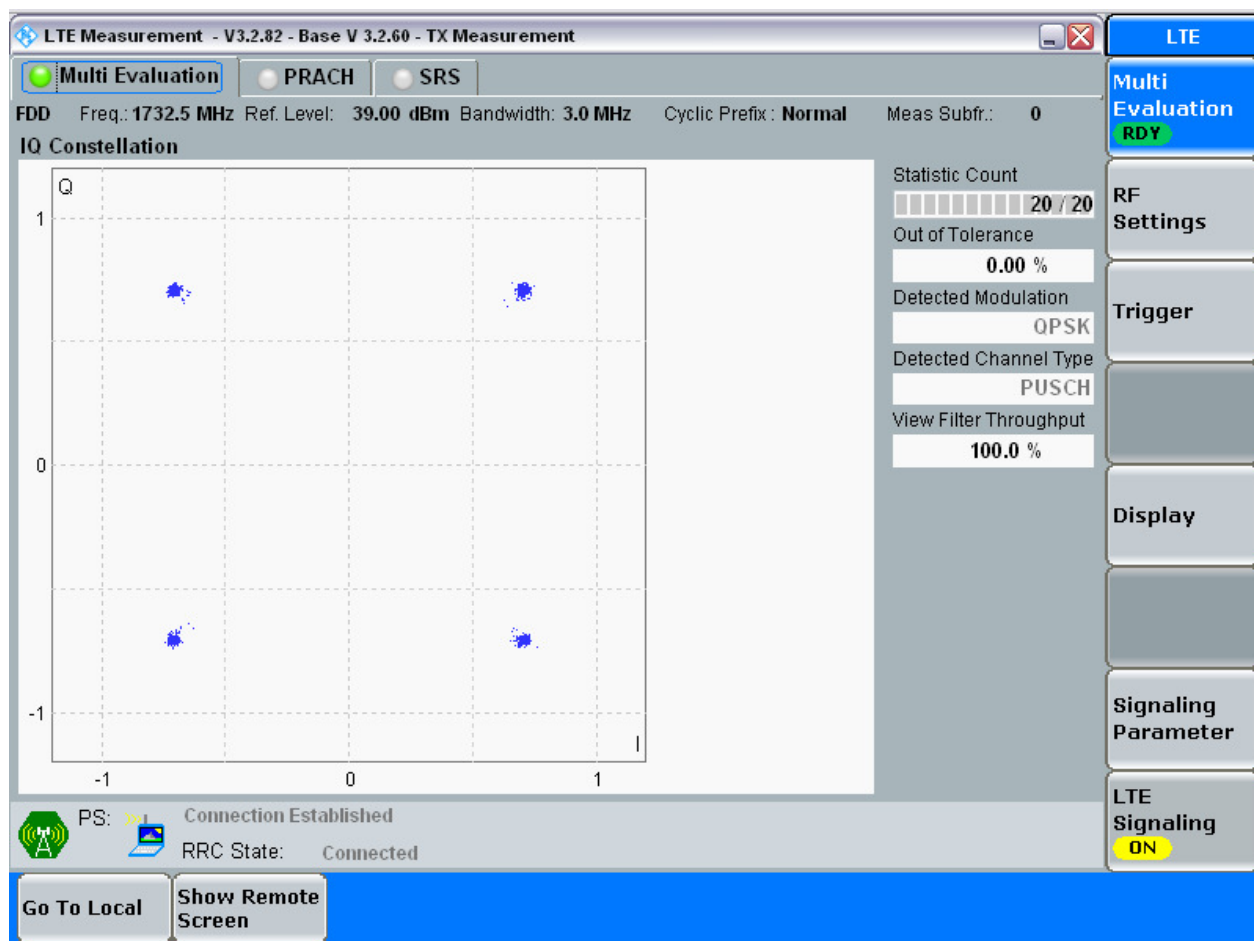
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

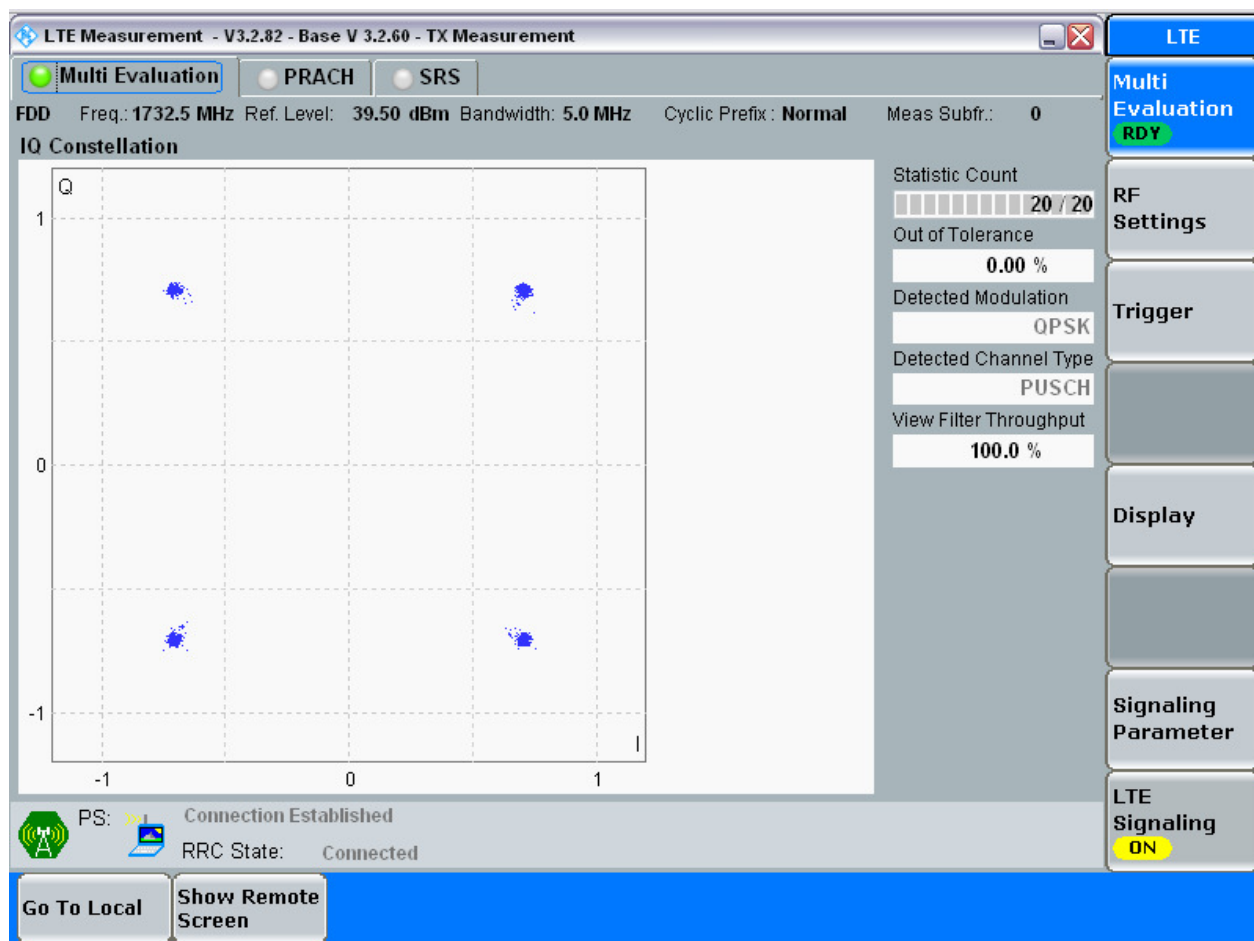
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

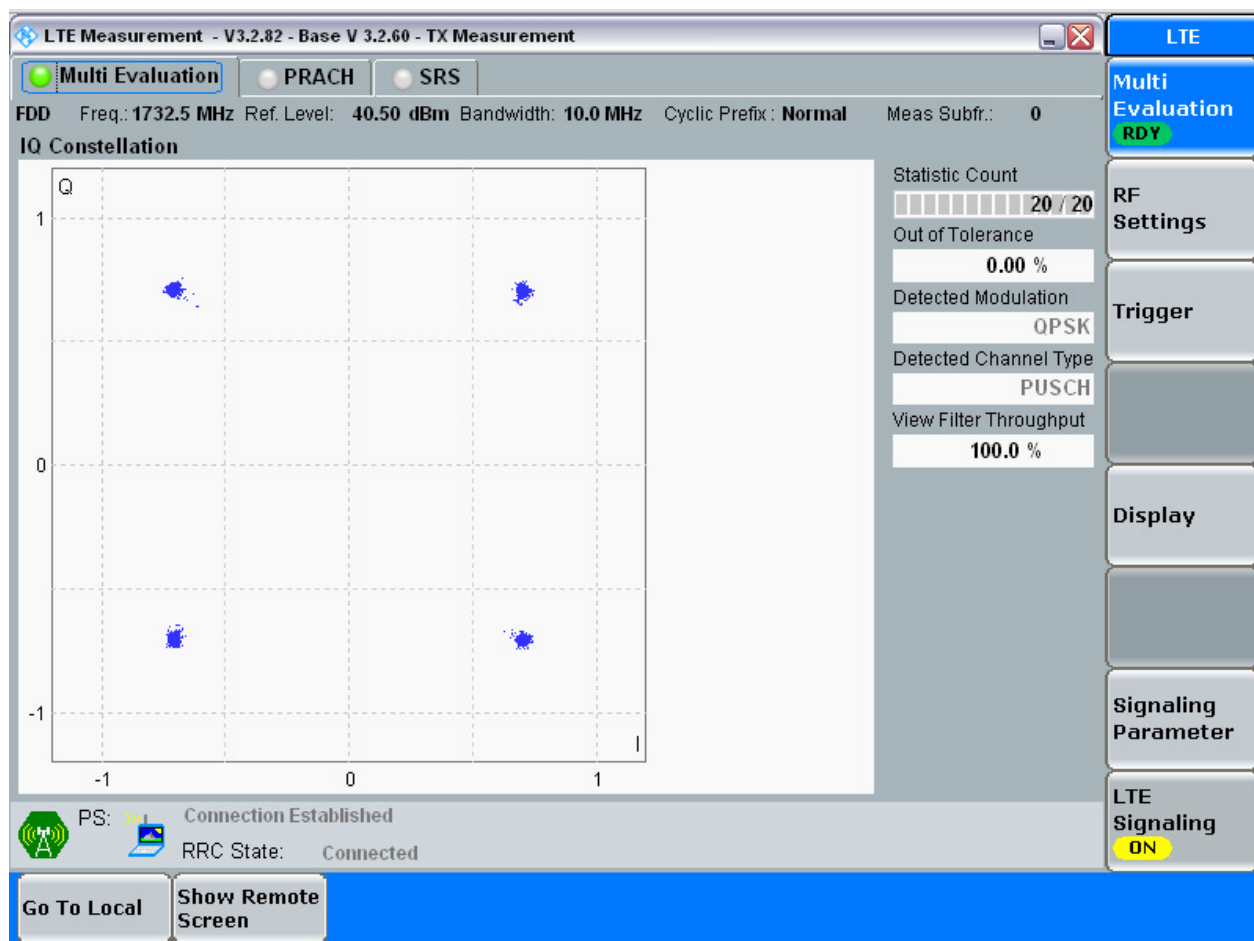
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

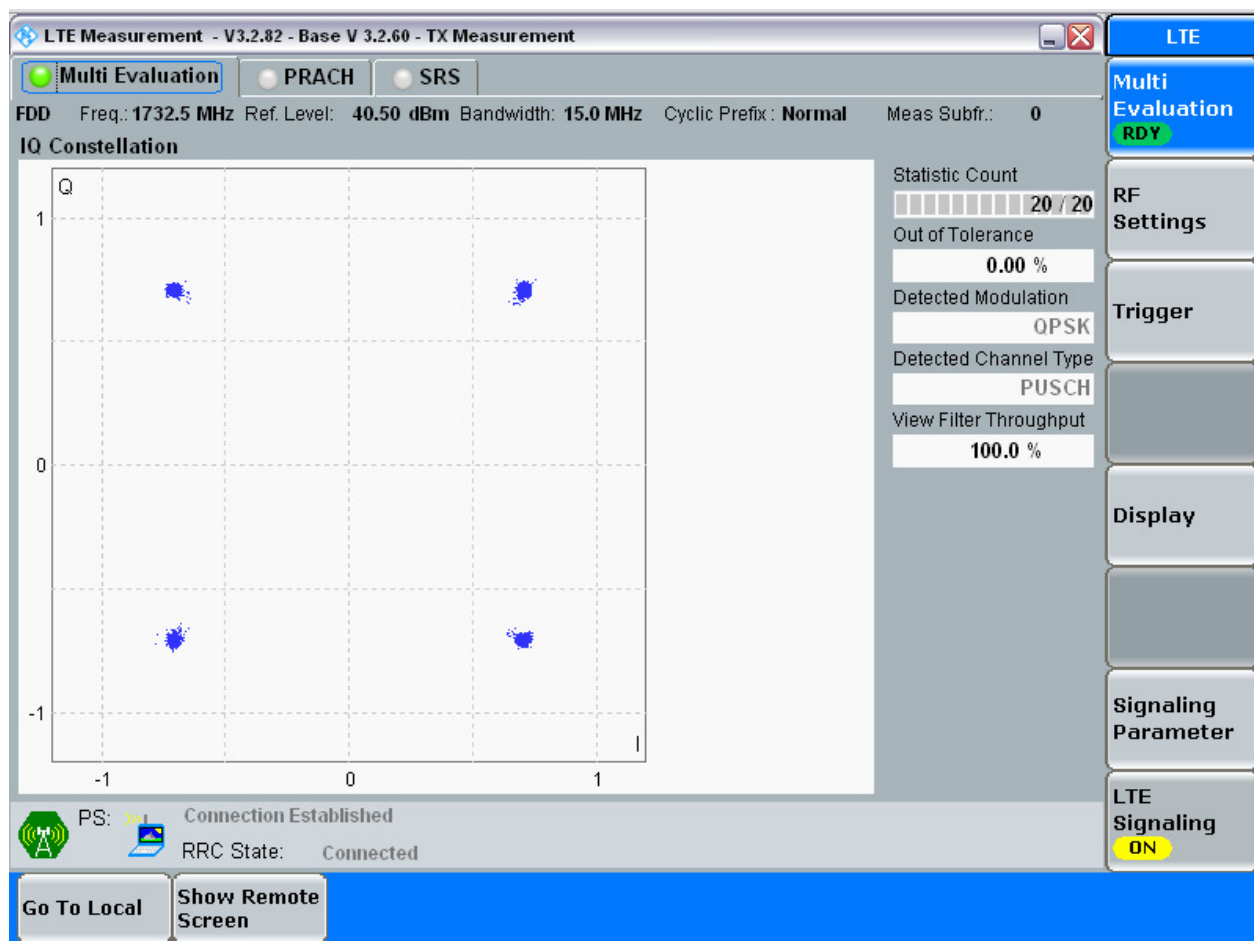
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

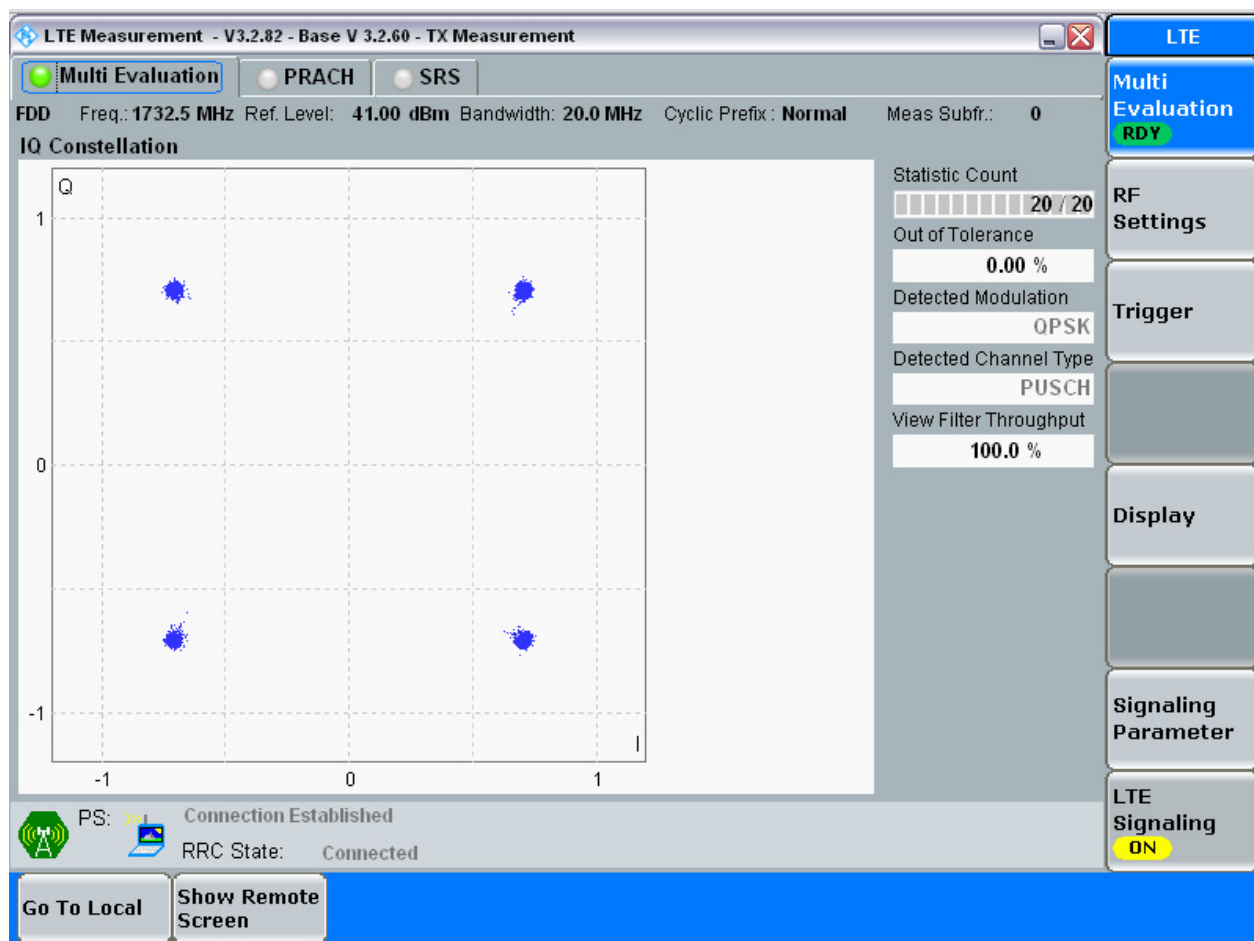
3.1.1.1.5.1.1 Test RB = RB75#0



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

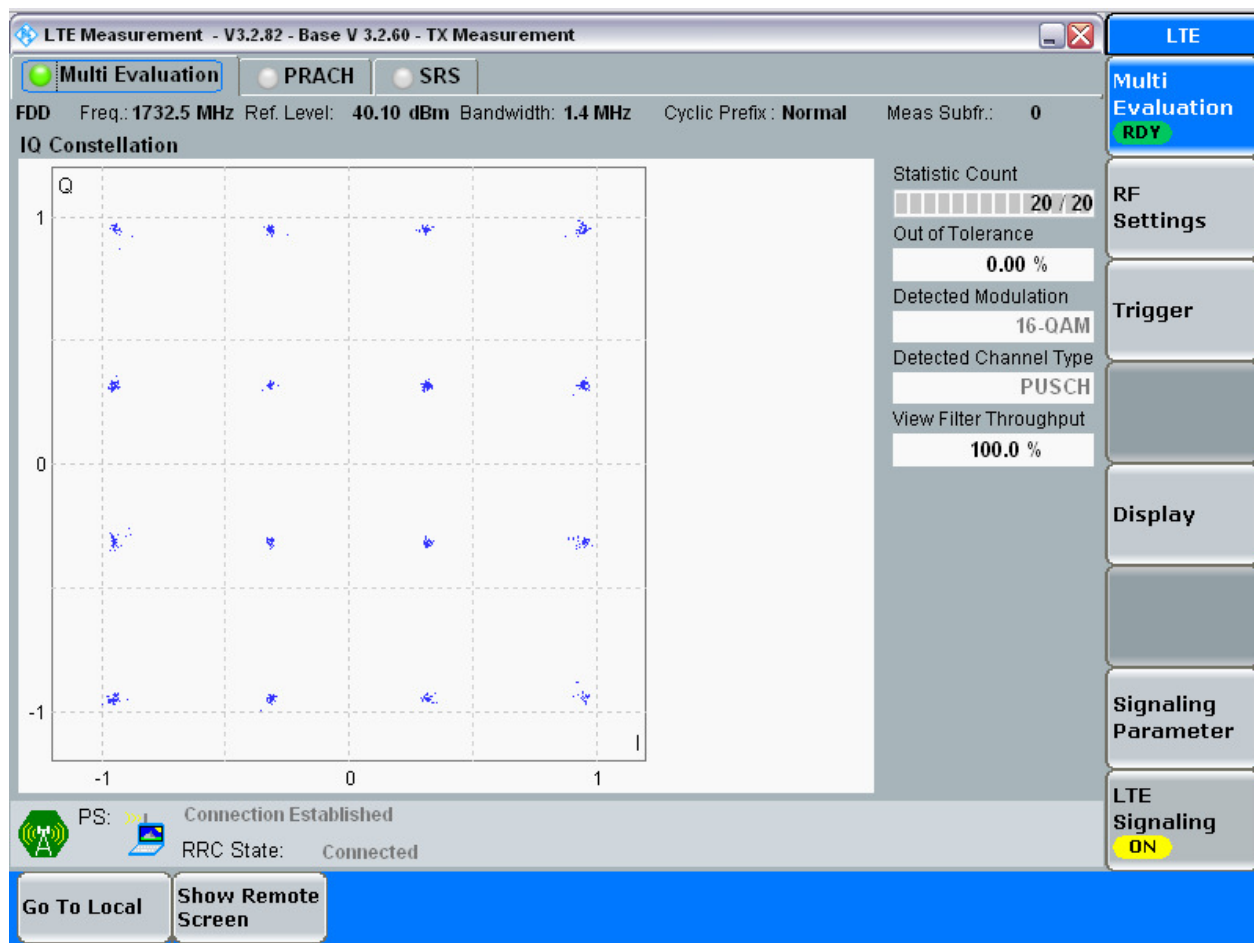


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

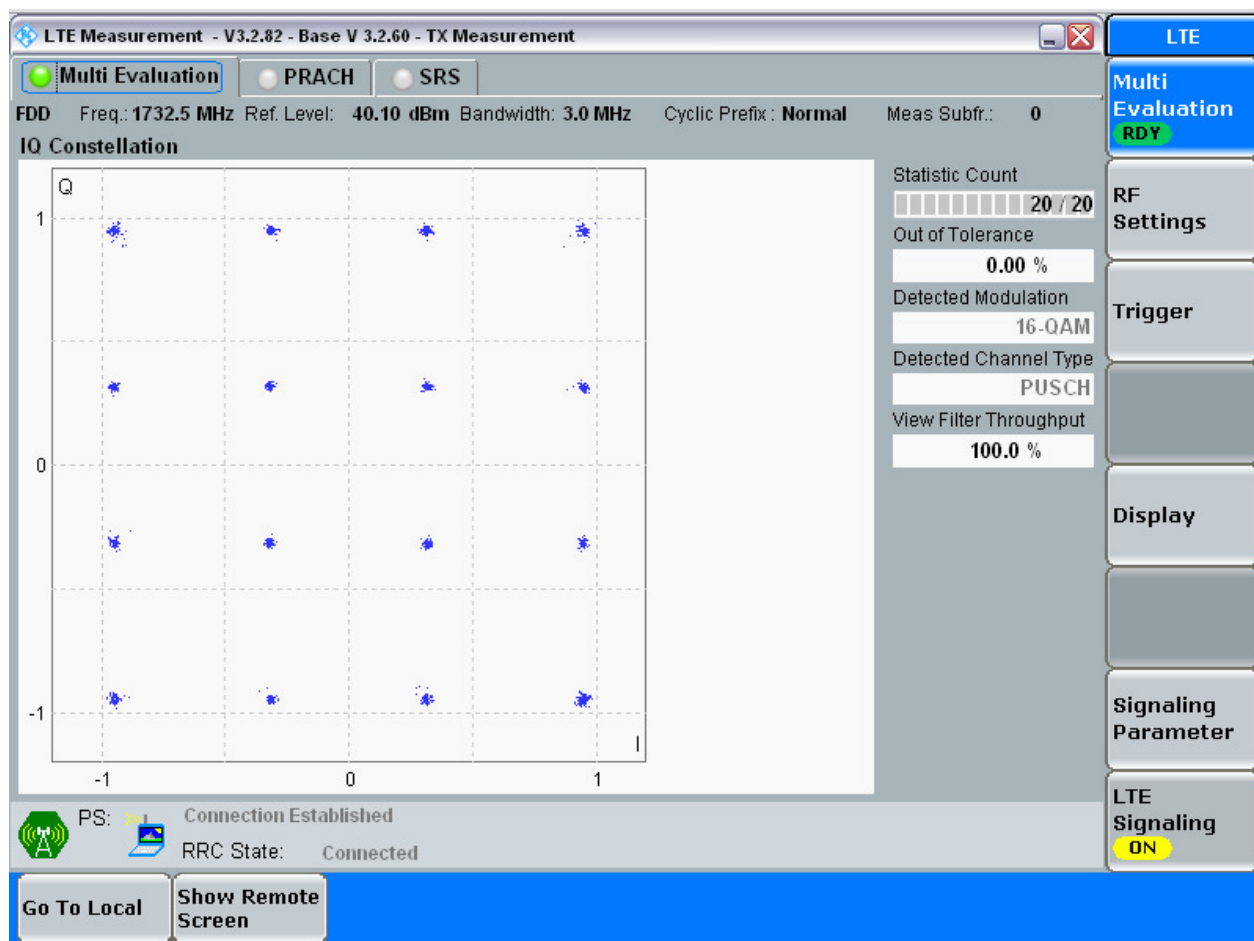
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

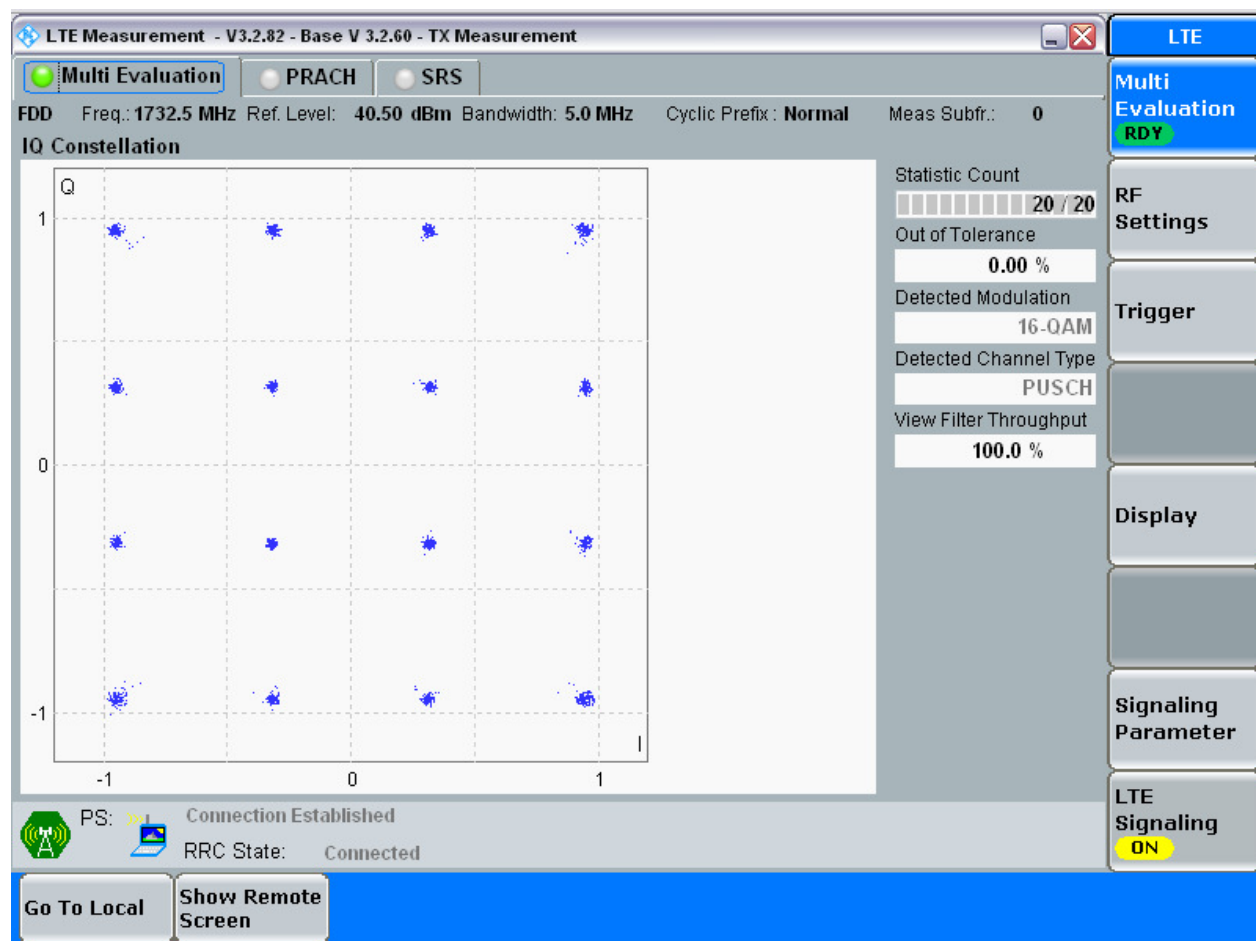
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

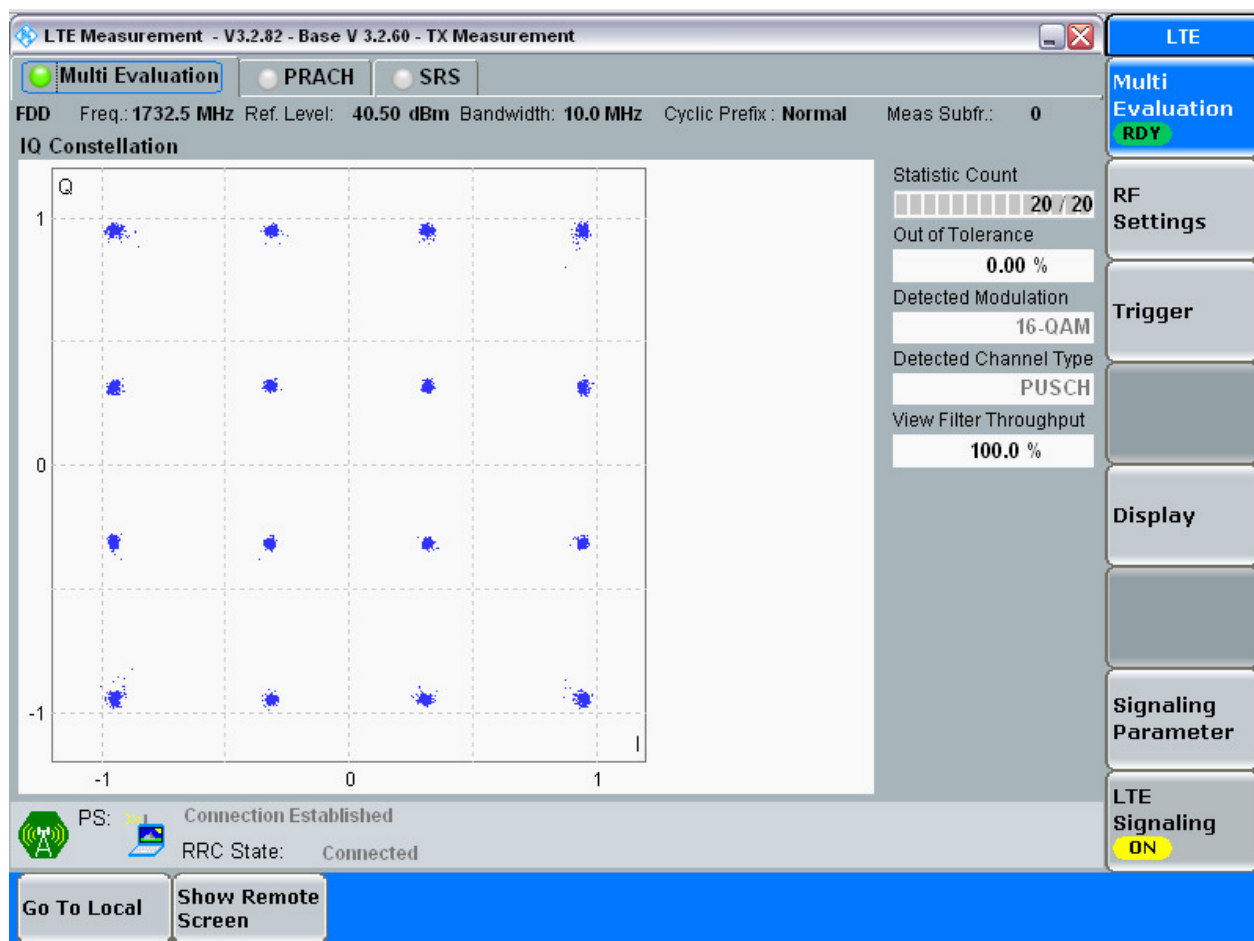
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

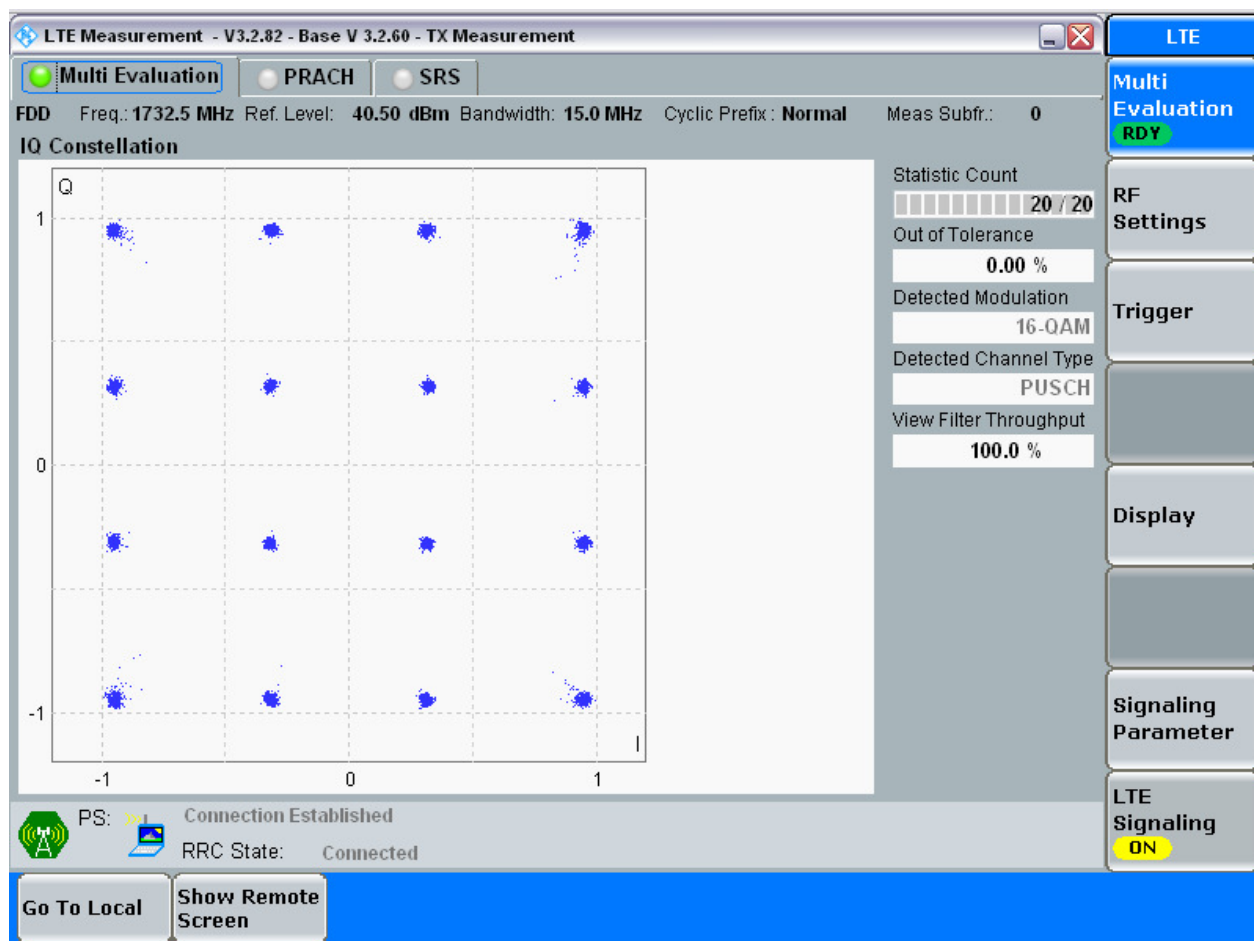
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

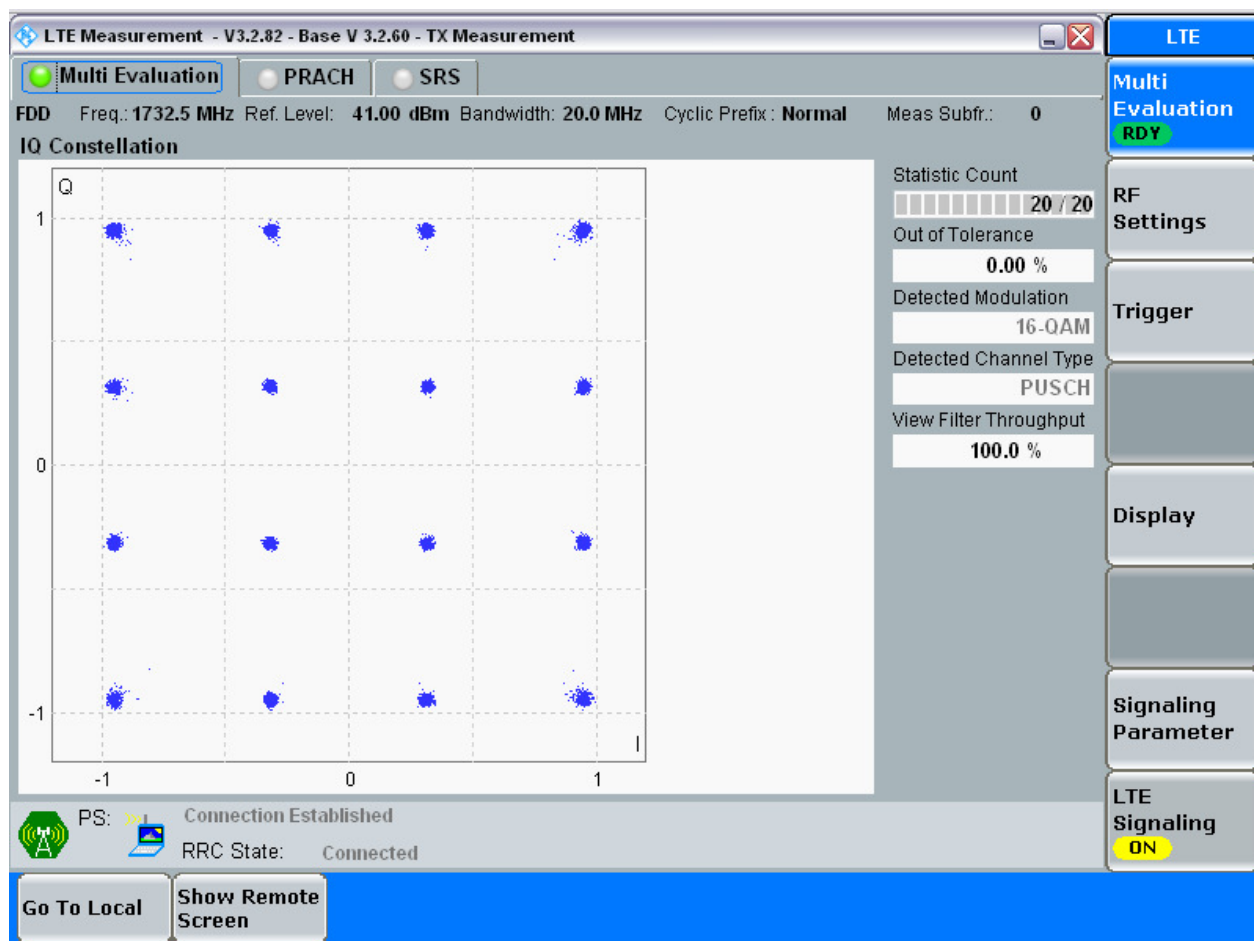
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.23	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.70	2.92	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.51	4.88	Pass
			MCH	RB25#0	4.50	4.86	Pass
			HCH	RB25#0	4.50	4.88	Pass
		10	LCH	RB50#0	8.99	9.63	Pass
			MCH	RB50#0	8.99	9.61	Pass
			HCH	RB50#0	8.98	9.62	Pass
		15	LCH	RB75#0	13.48	14.36	Pass
			MCH	RB75#0	13.47	14.34	Pass
			HCH	RB75#0	13.48	14.44	Pass
		20	LCH	RB100#0	17.95	19.03	Pass
			MCH	RB100#0	17.95	19.03	Pass
			HCH	RB100#0	17.96	19.09	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.22	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.92	Pass
			HCH	RB15#0	2.71	2.94	Pass
		5	LCH	RB25#0	4.51	4.87	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.50	4.85	Pass
		10	LCH	RB50#0	8.99	9.67	Pass
			MCH	RB50#0	8.99	9.67	Pass
			HCH	RB50#0	8.99	9.60	Pass
		15	LCH	RB75#0	13.48	14.38	Pass
			MCH	RB75#0	13.47	14.36	Pass
			HCH	RB75#0	13.47	14.36	Pass
		20	LCH	RB100#0	17.95	19.09	Pass
			MCH	RB100#0	17.93	19.13	Pass
			HCH	RB100#0	17.96	19.08	Pass

Part II - Test Plots

4.1 For LTE

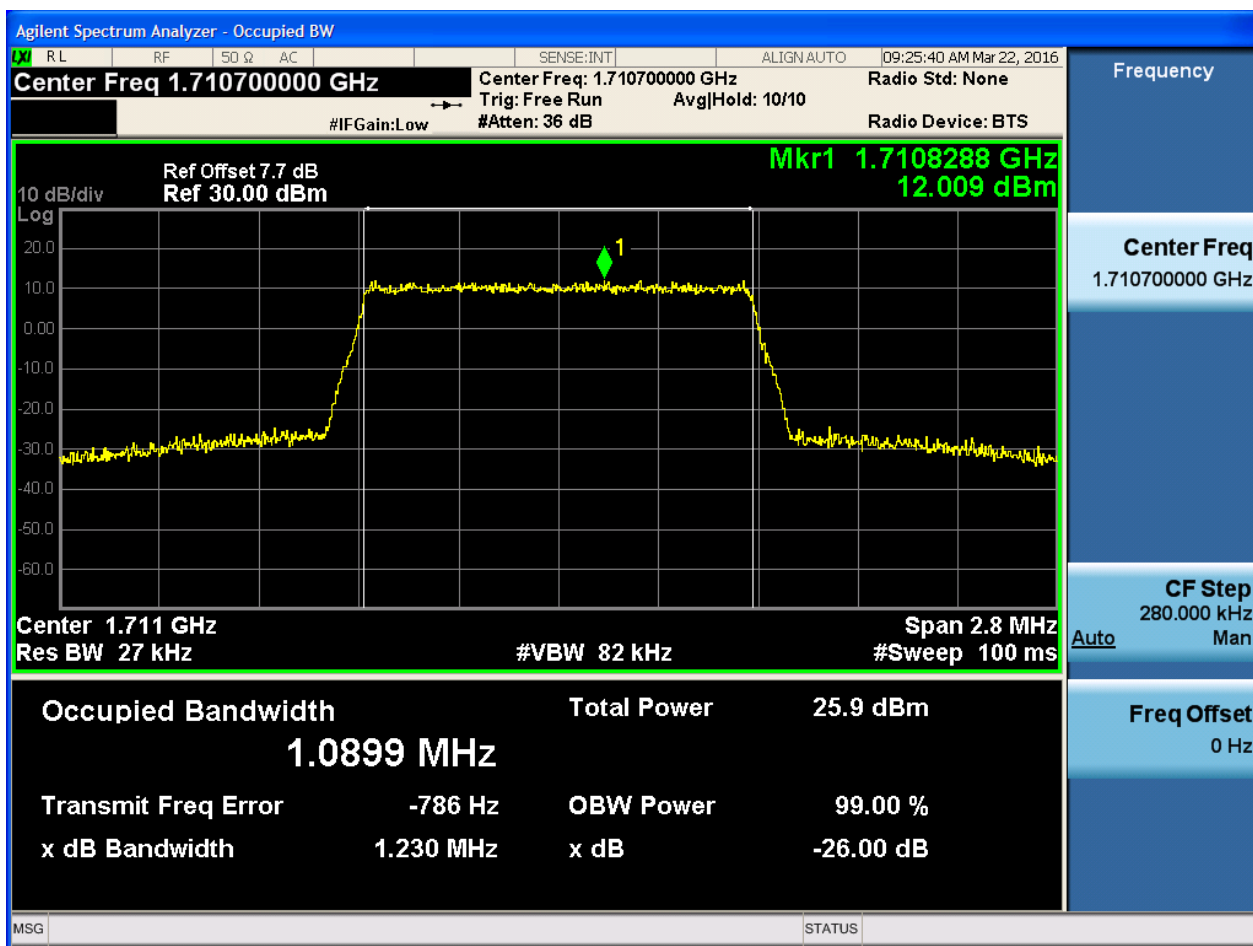
4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

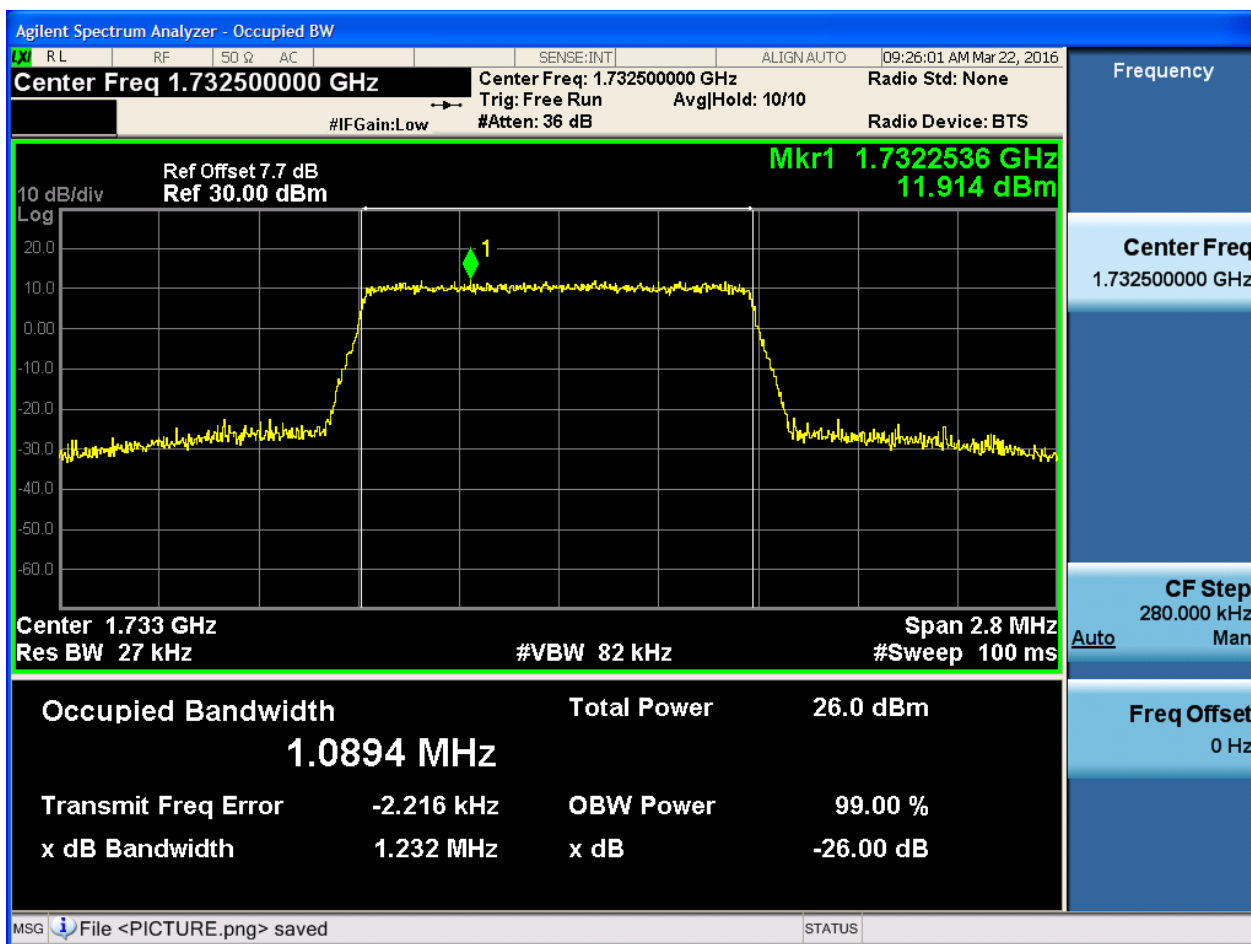
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



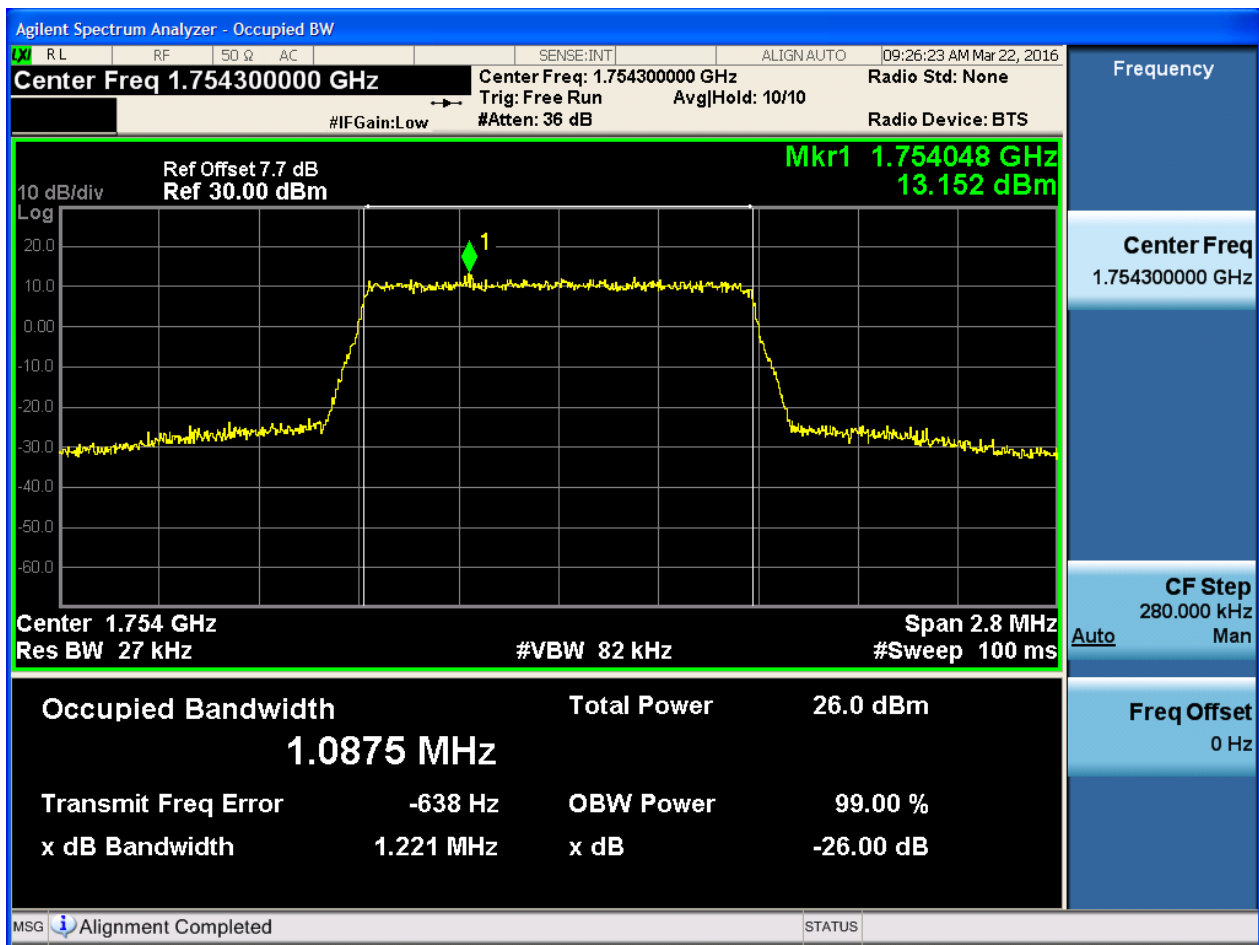
4.1.1.1.1.2 Test Channel = MCH

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

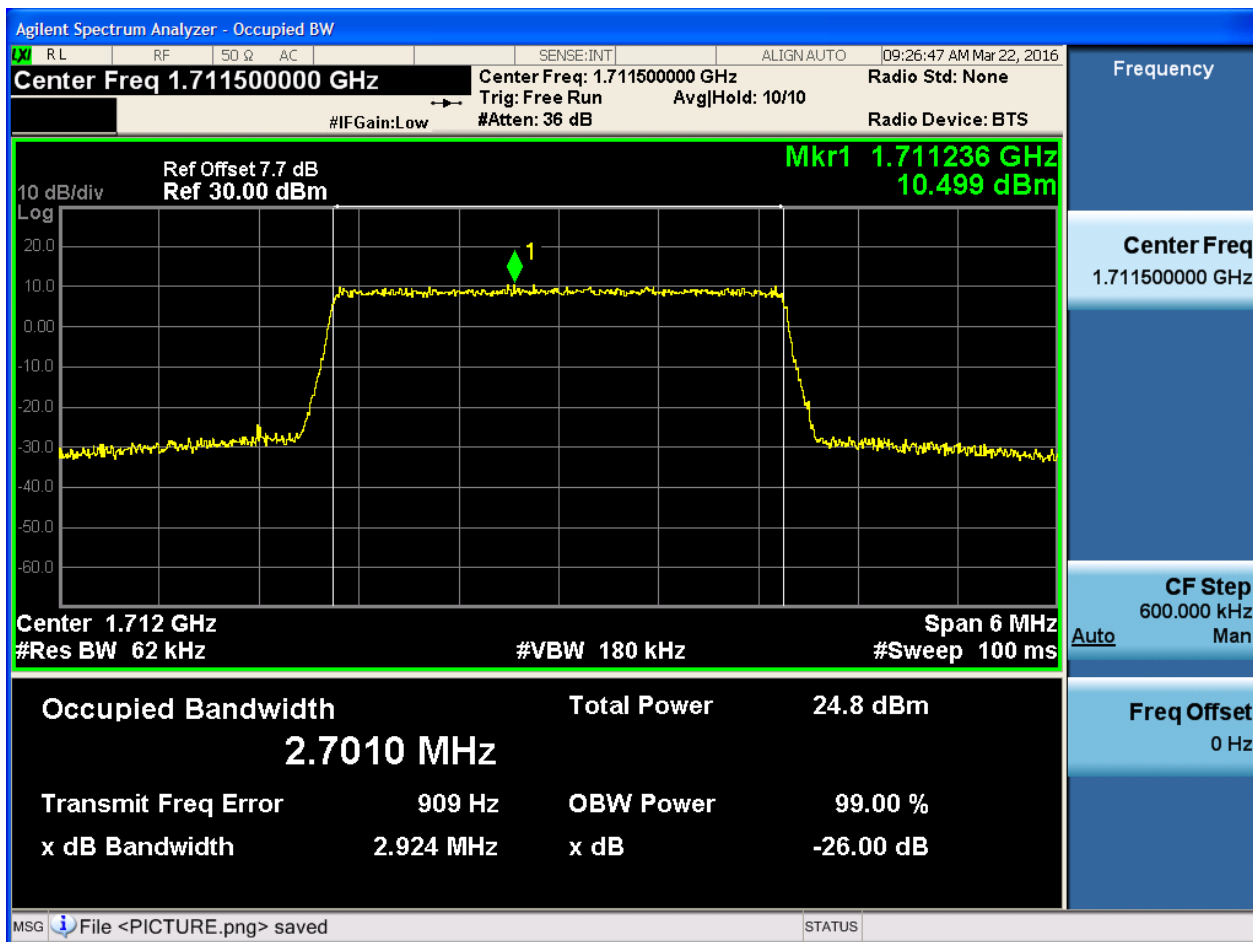




4.1.1.1.2 Test Bandwidth = 3

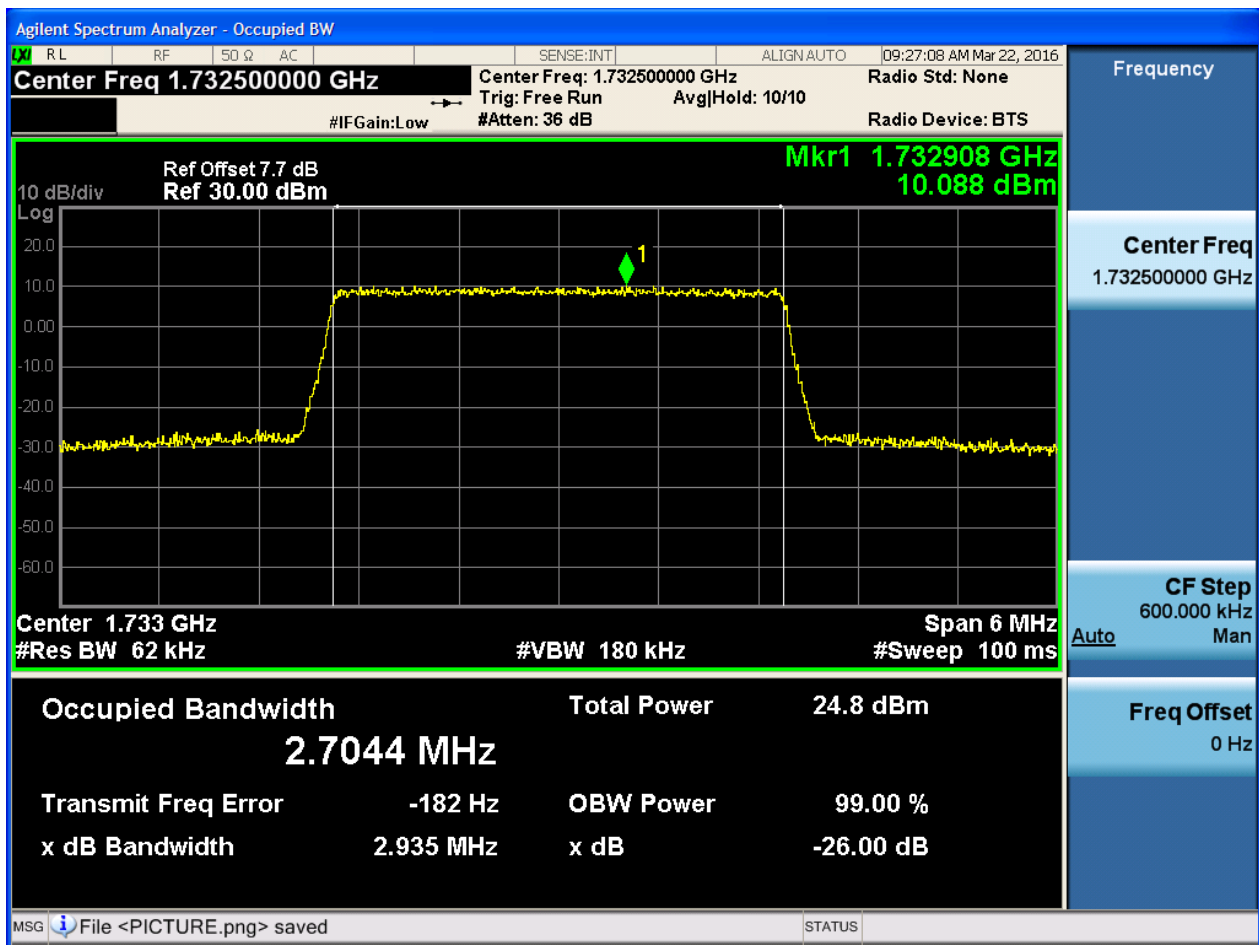
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



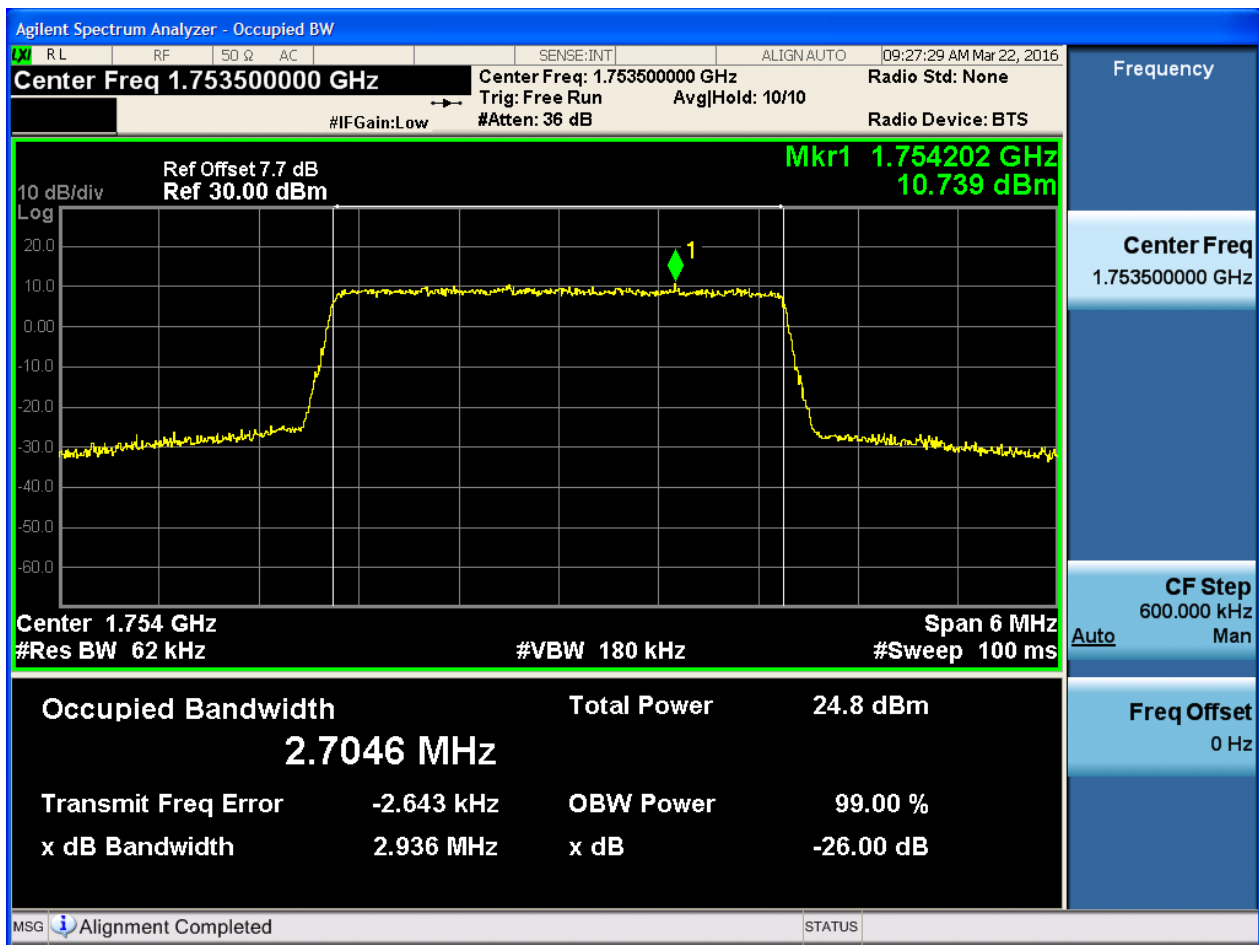
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0



4.1.1.1.2.3 Test Channel = HCH

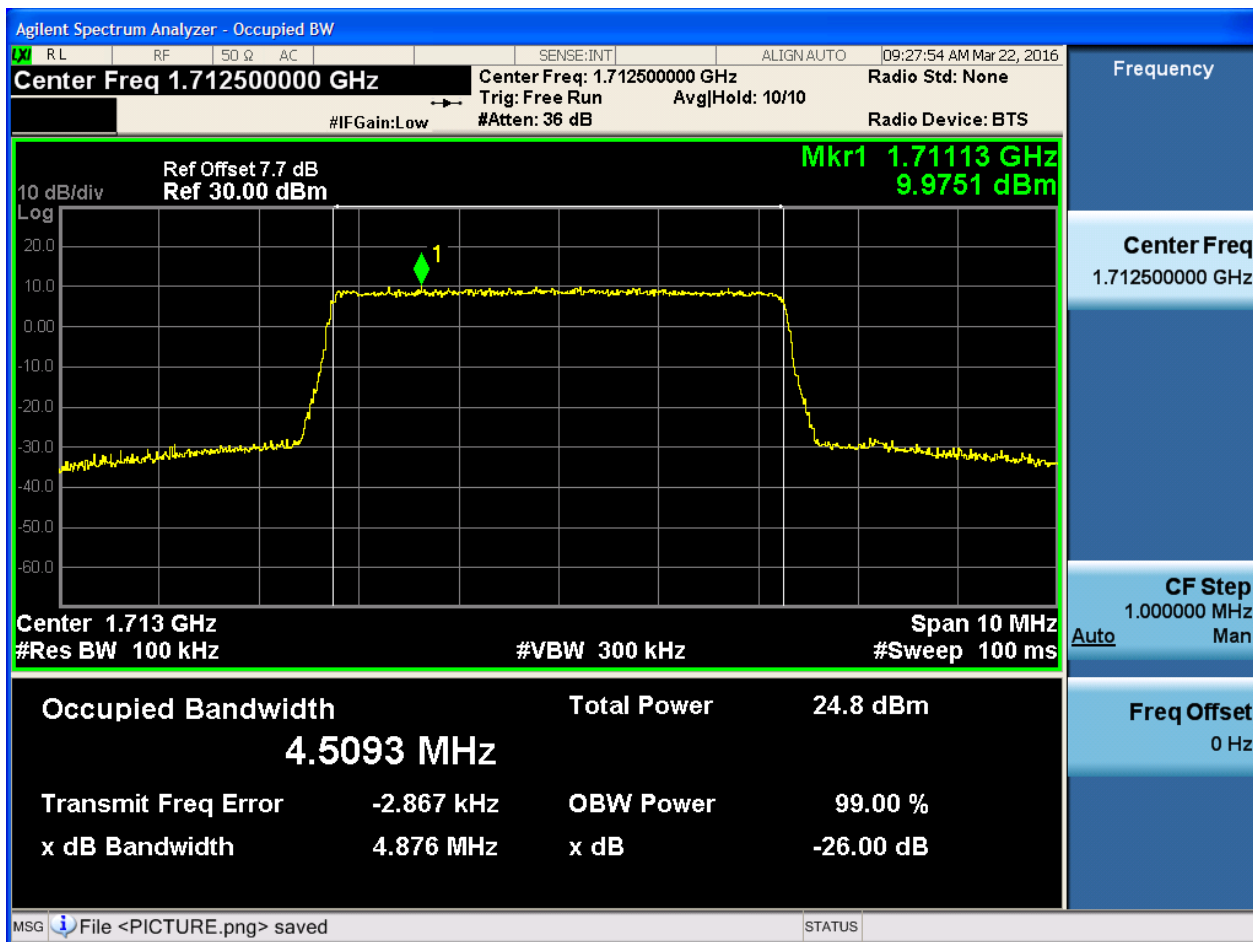
4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

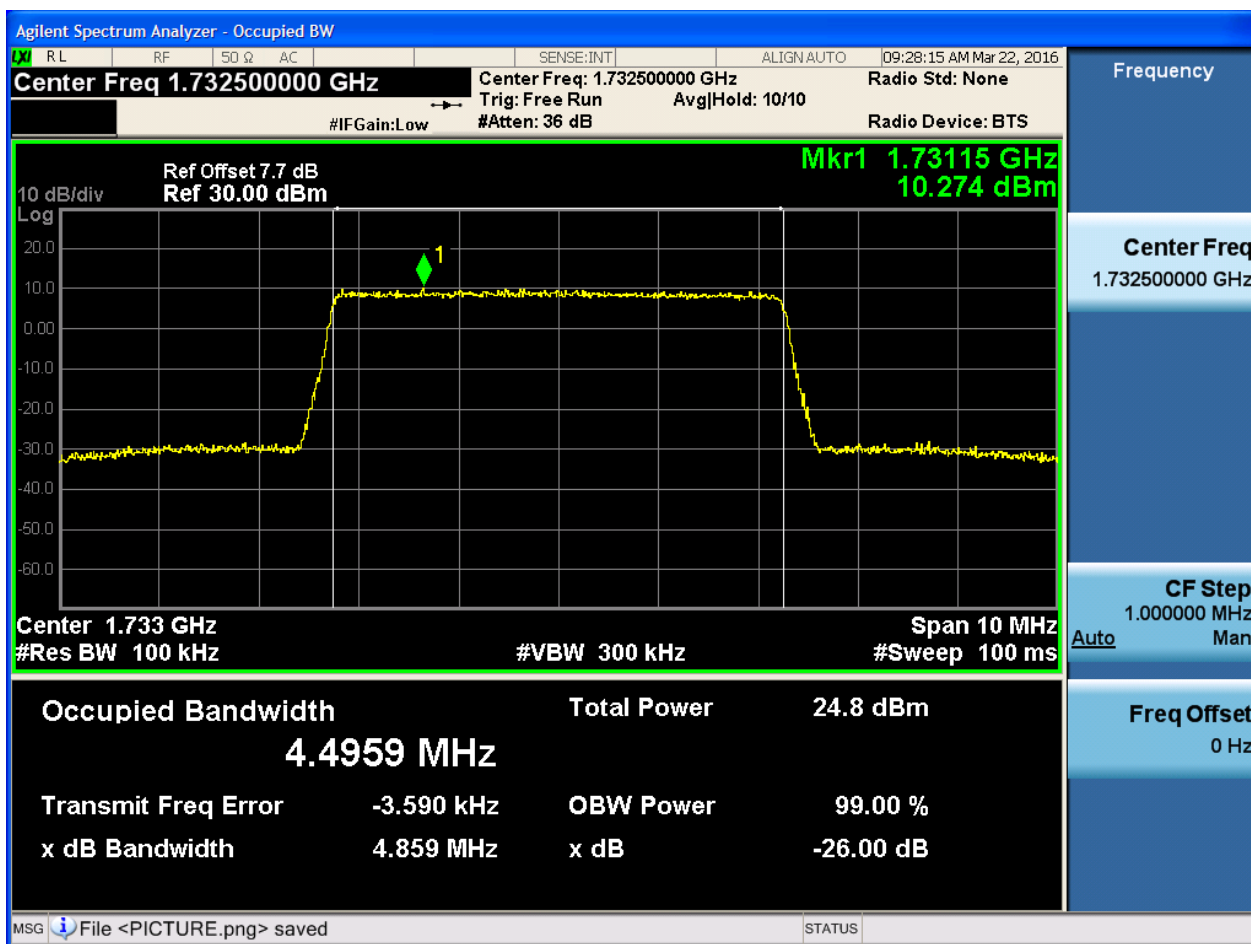
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



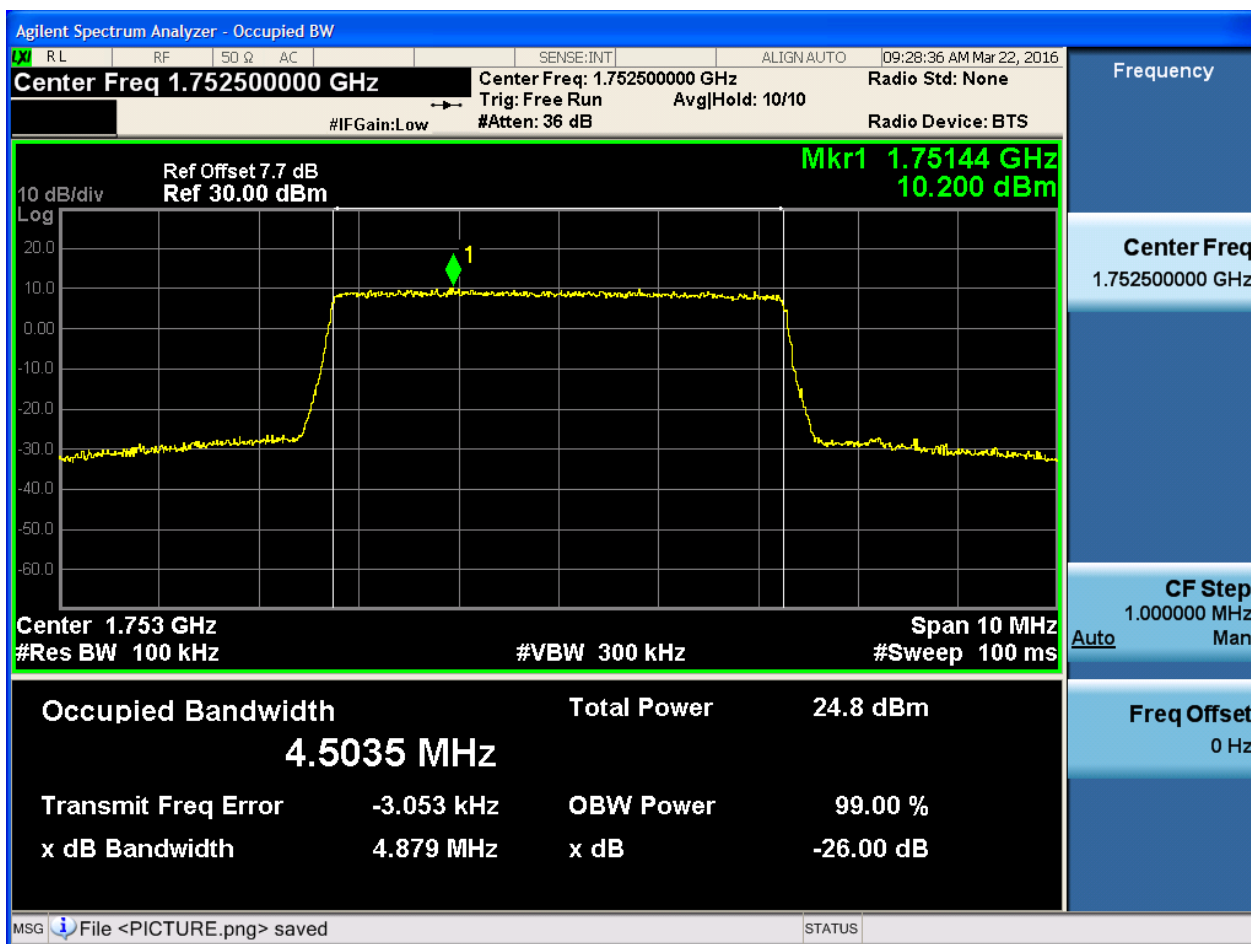
4.1.1.1.3.2 Test Channel = MCH

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

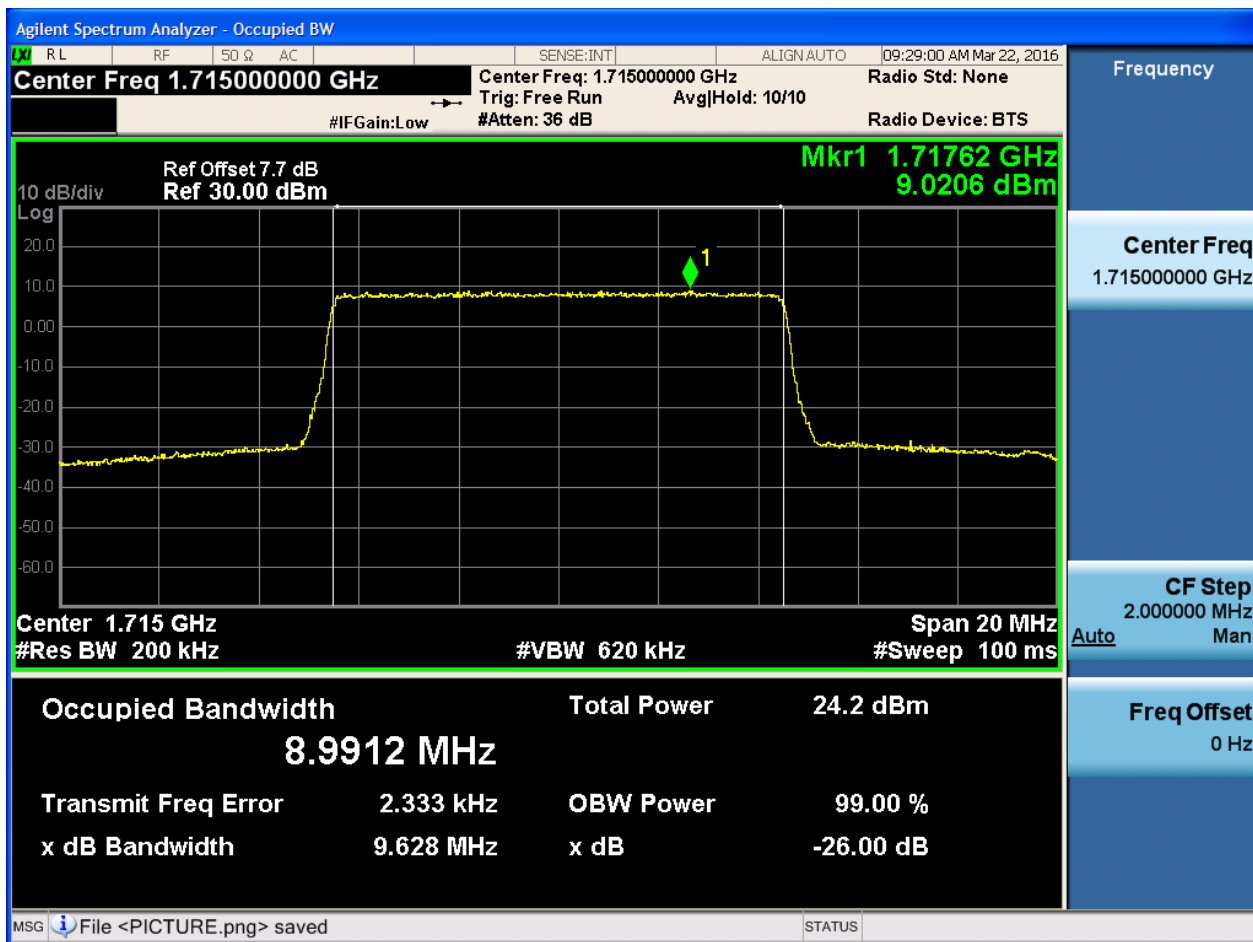




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

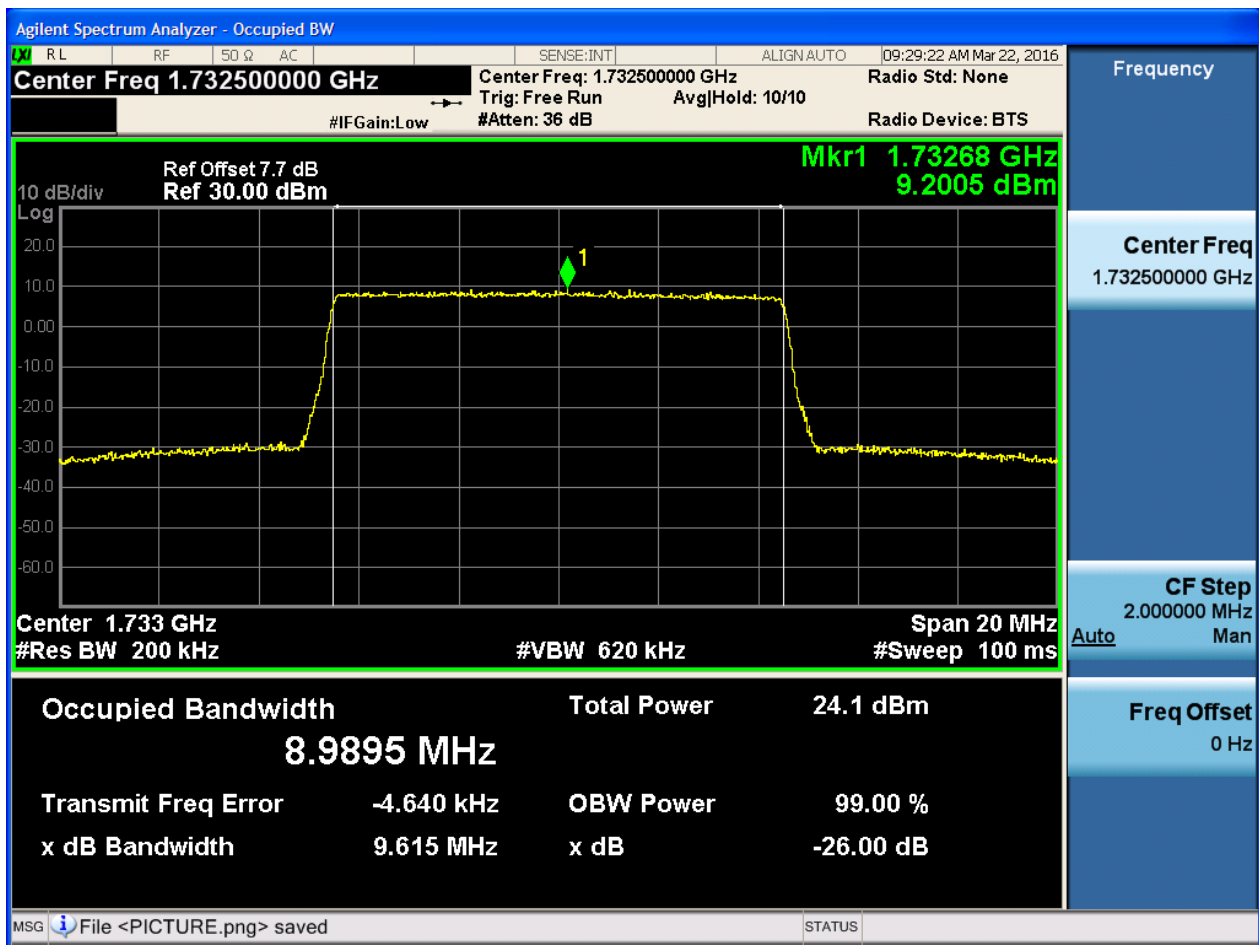
4.1.1.1.4.1.1 Test RB = RB50#0





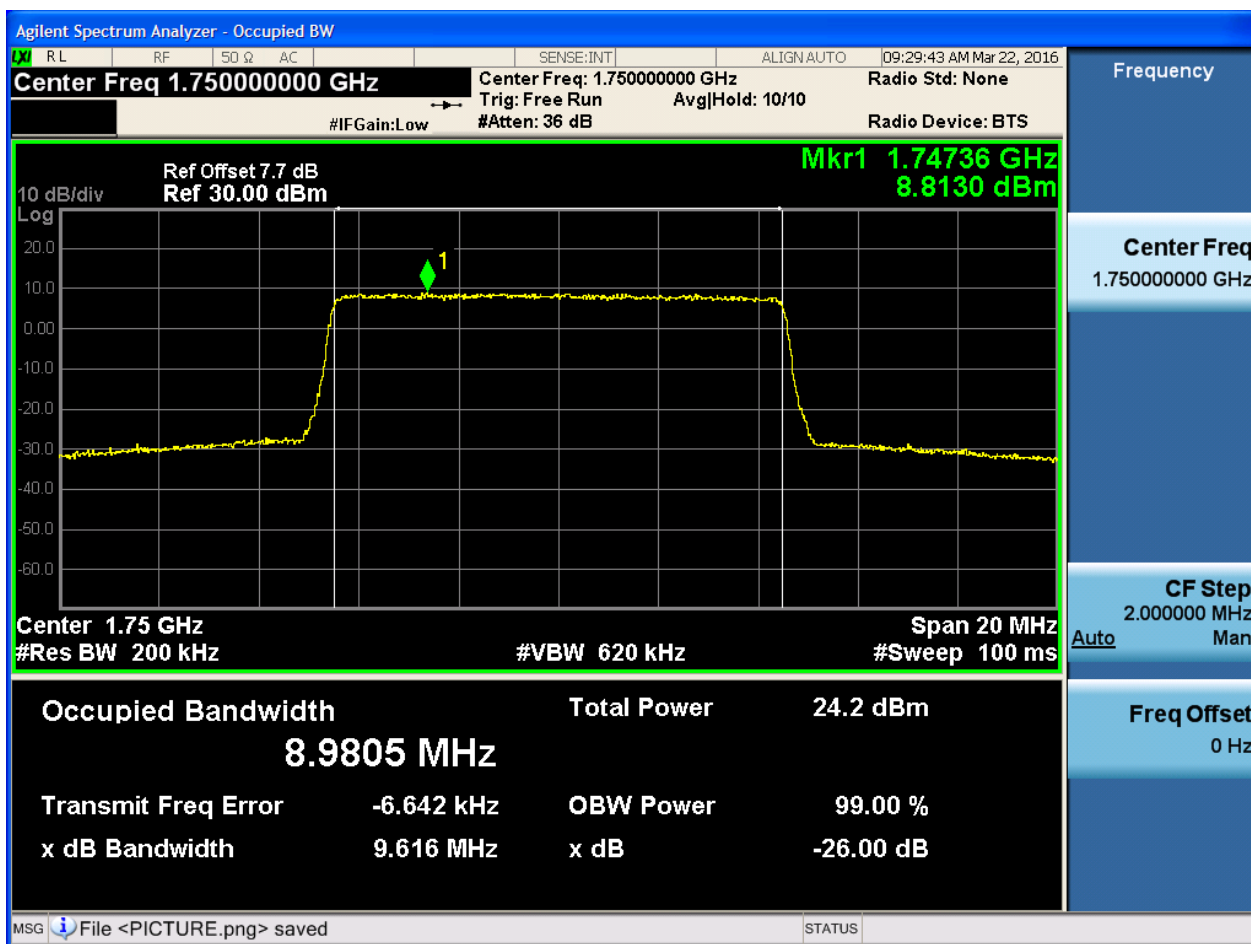
4.1.1.1.4.2 Test Channel = MCH

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

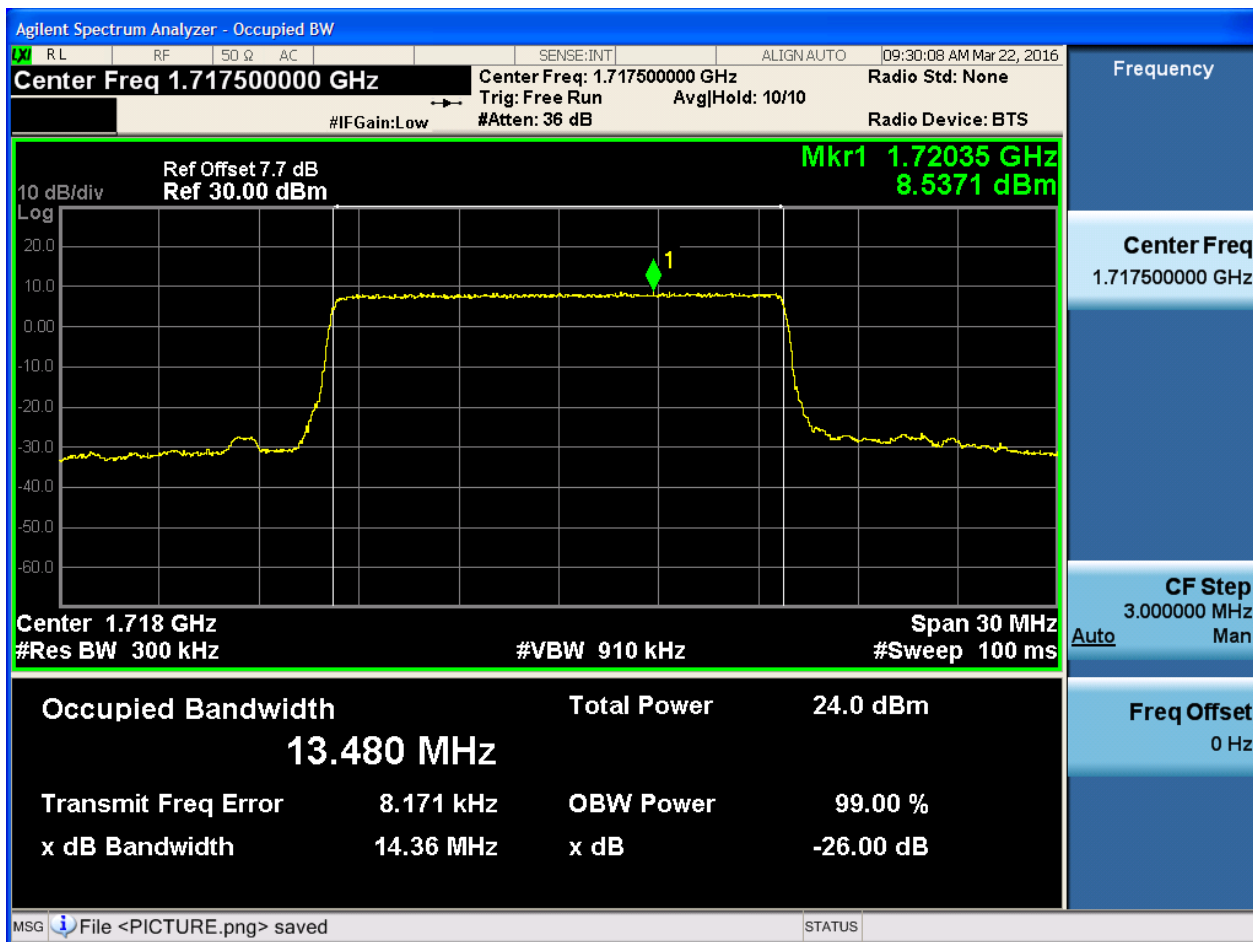




4.1.1.1.5 Test Bandwidth = 15

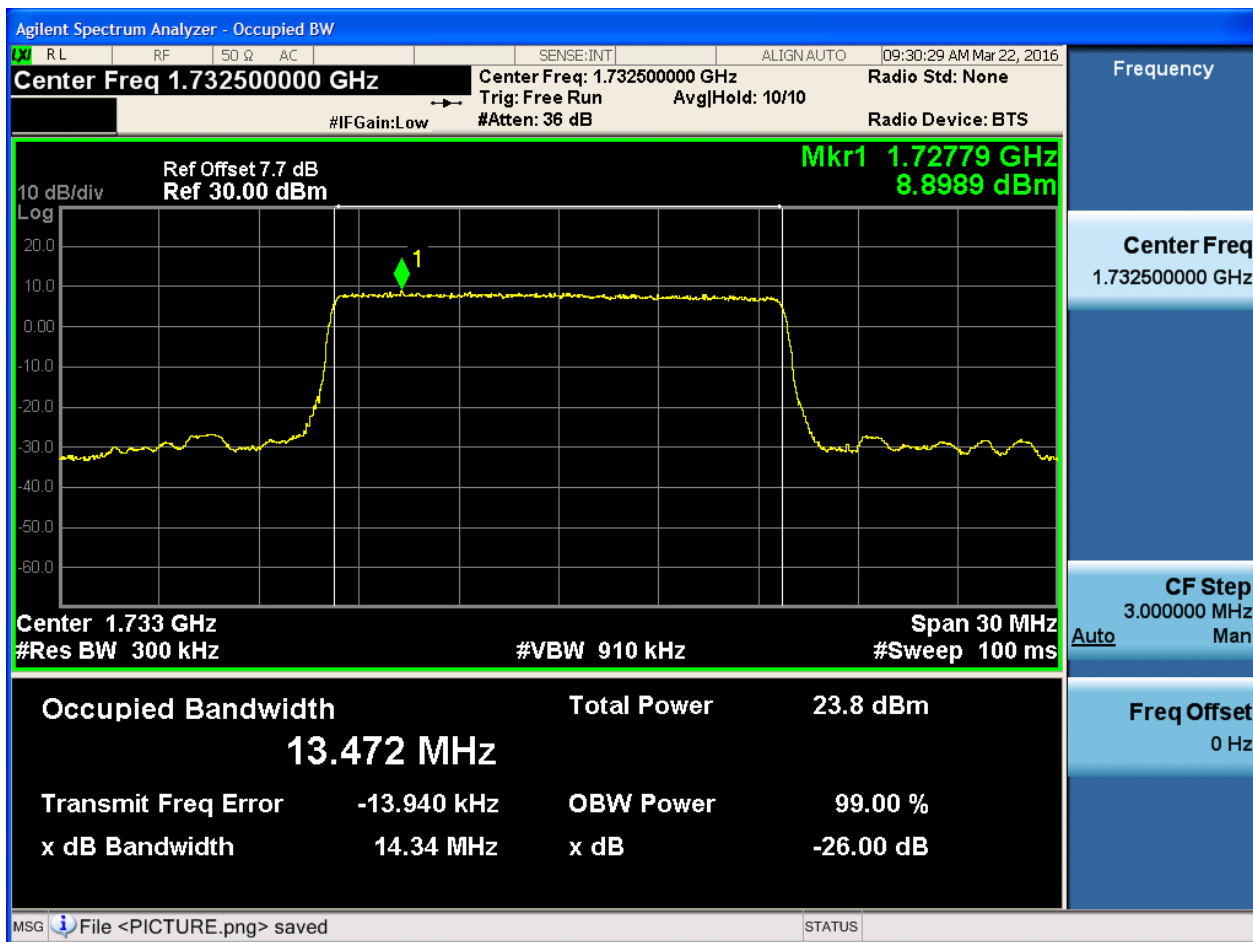
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



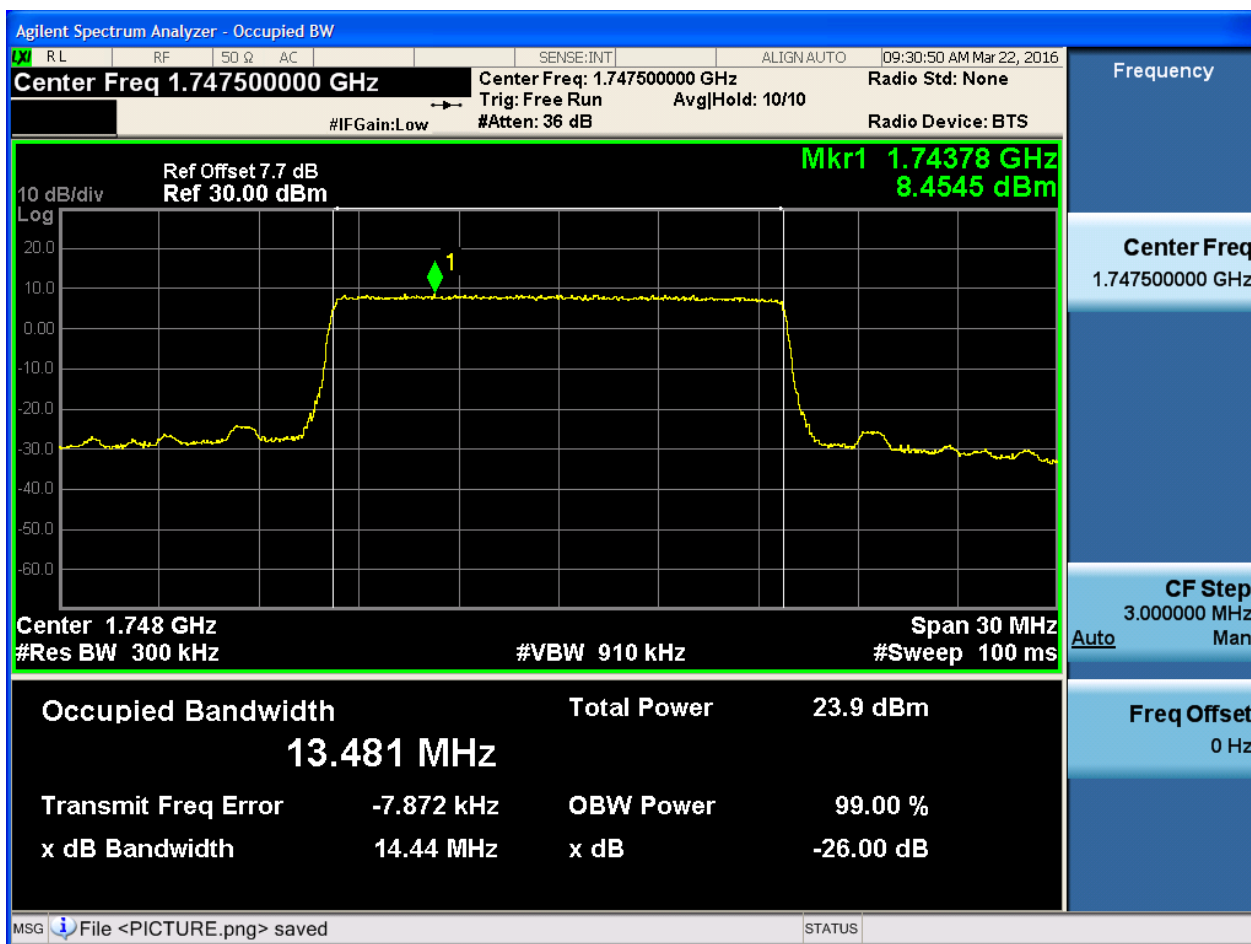
4.1.1.1.5.2 Test Channel = MCH

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

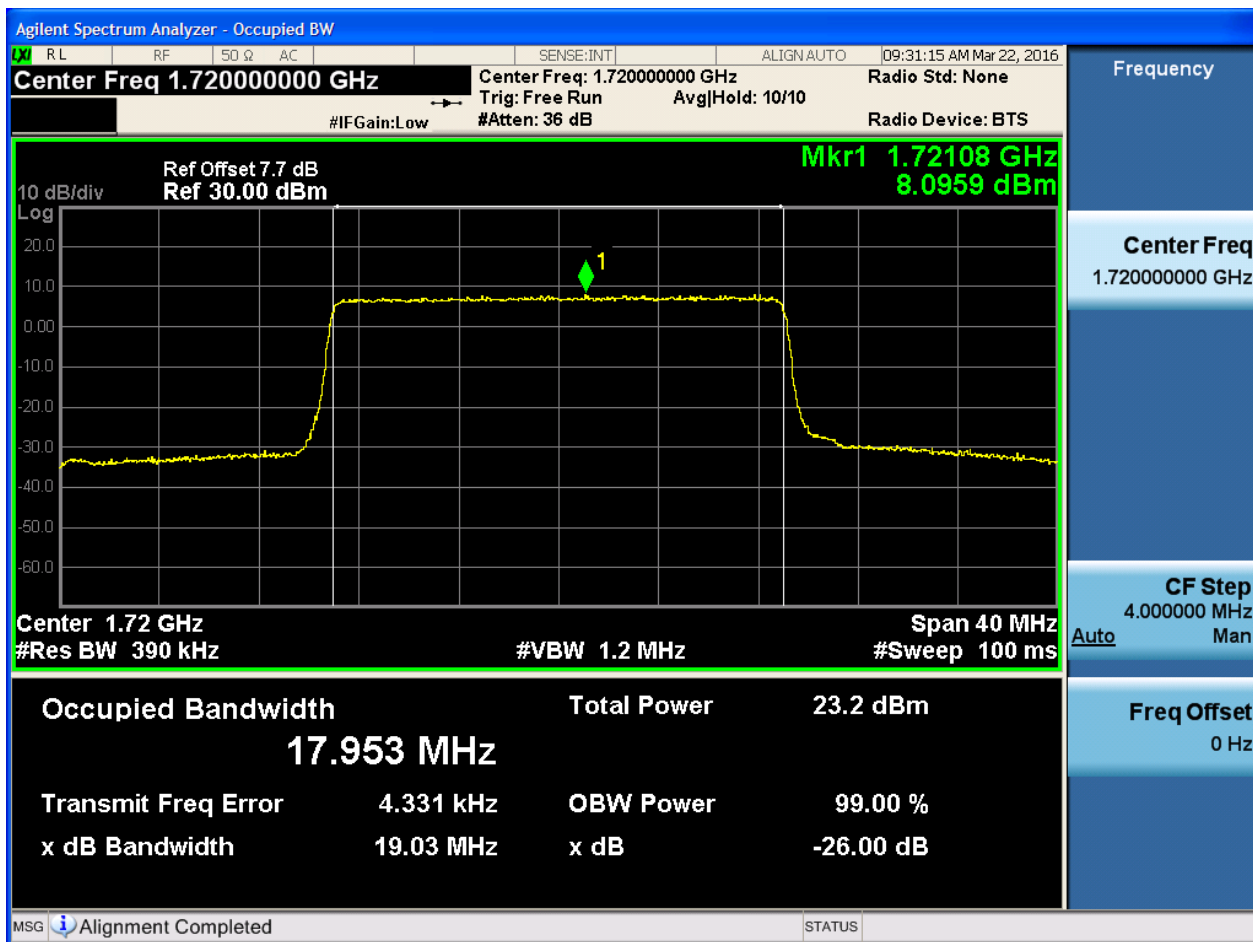




4.1.1.1.6 Test Bandwidth = 20

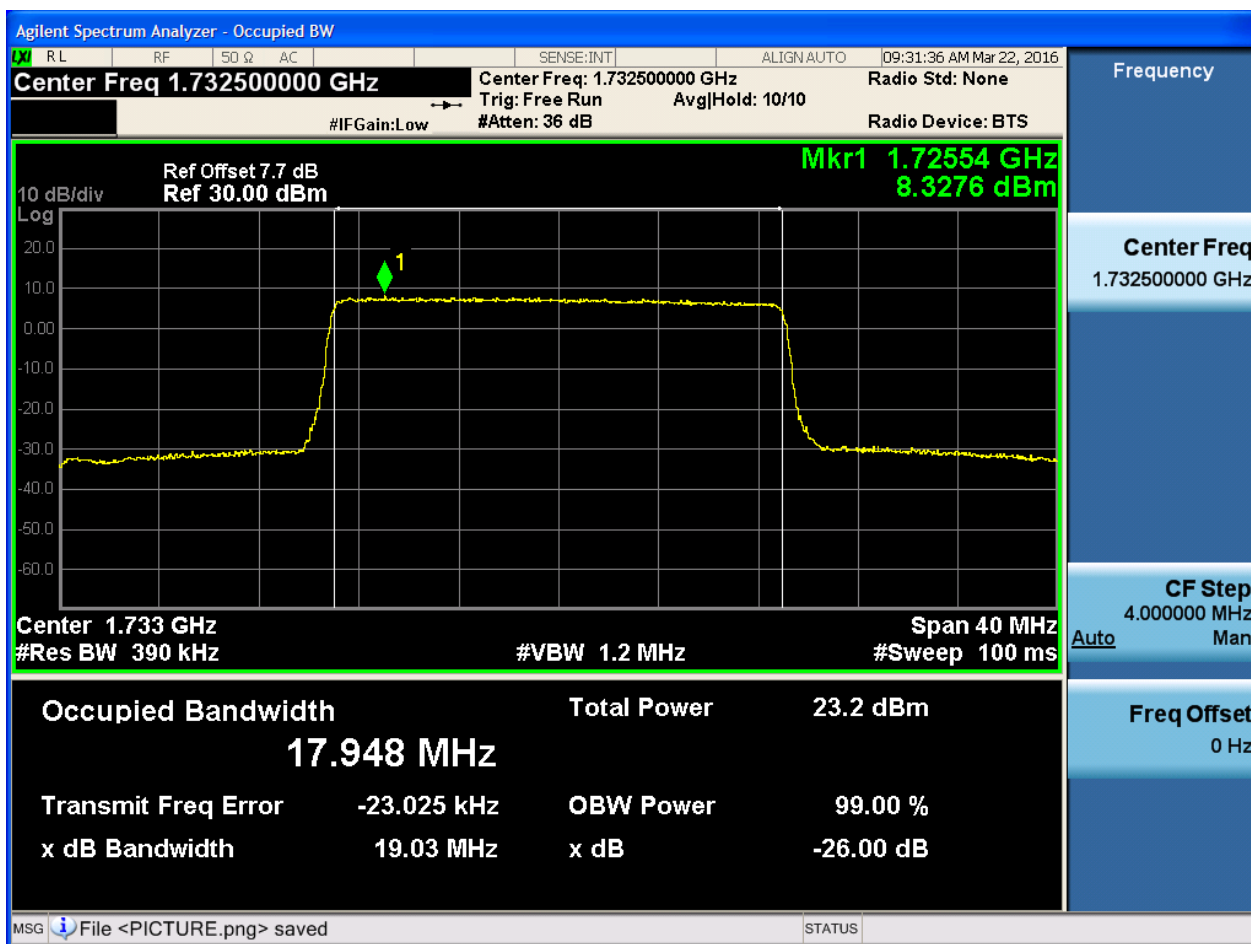
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



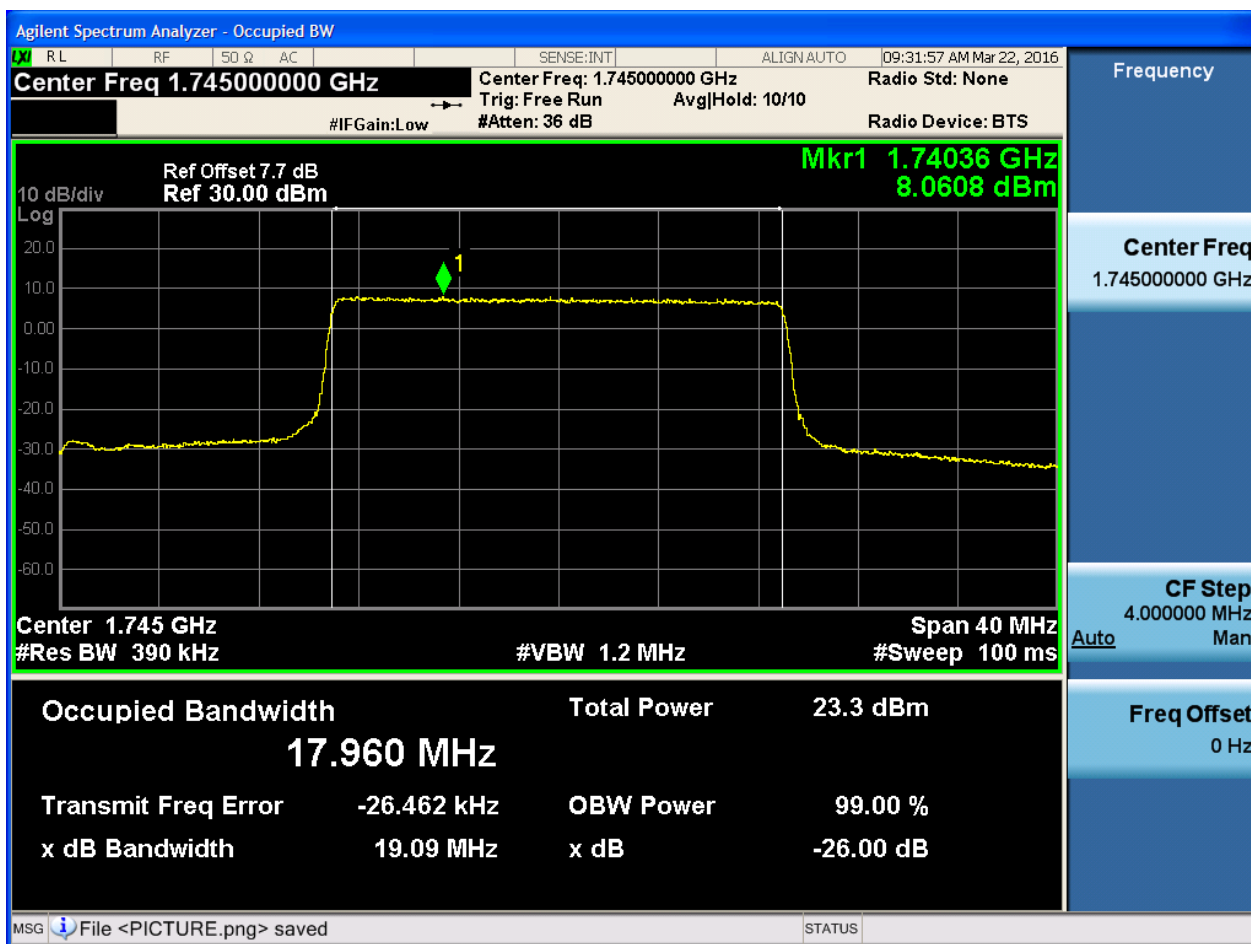
4.1.1.1.6.2 Test Channel = MCH

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



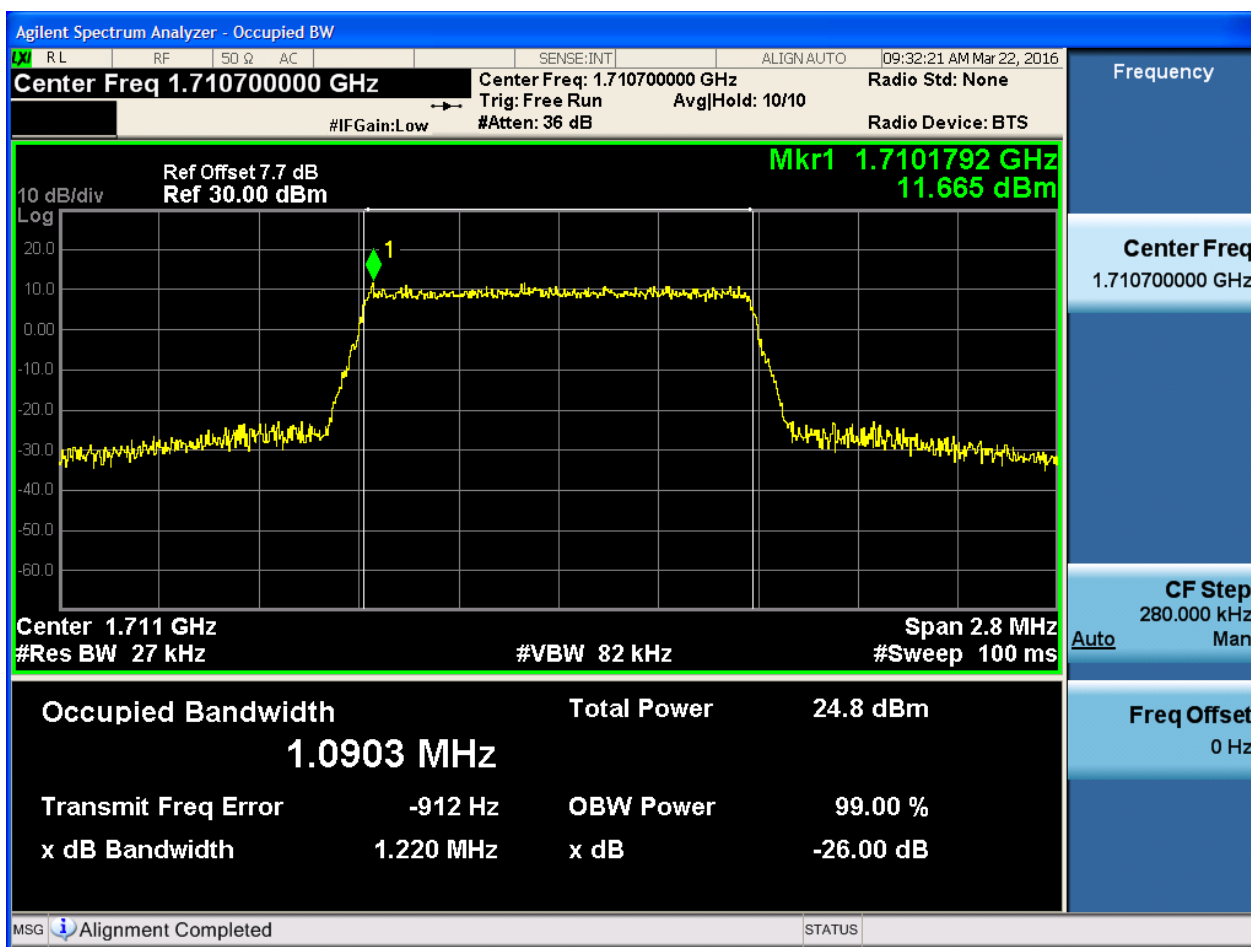


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

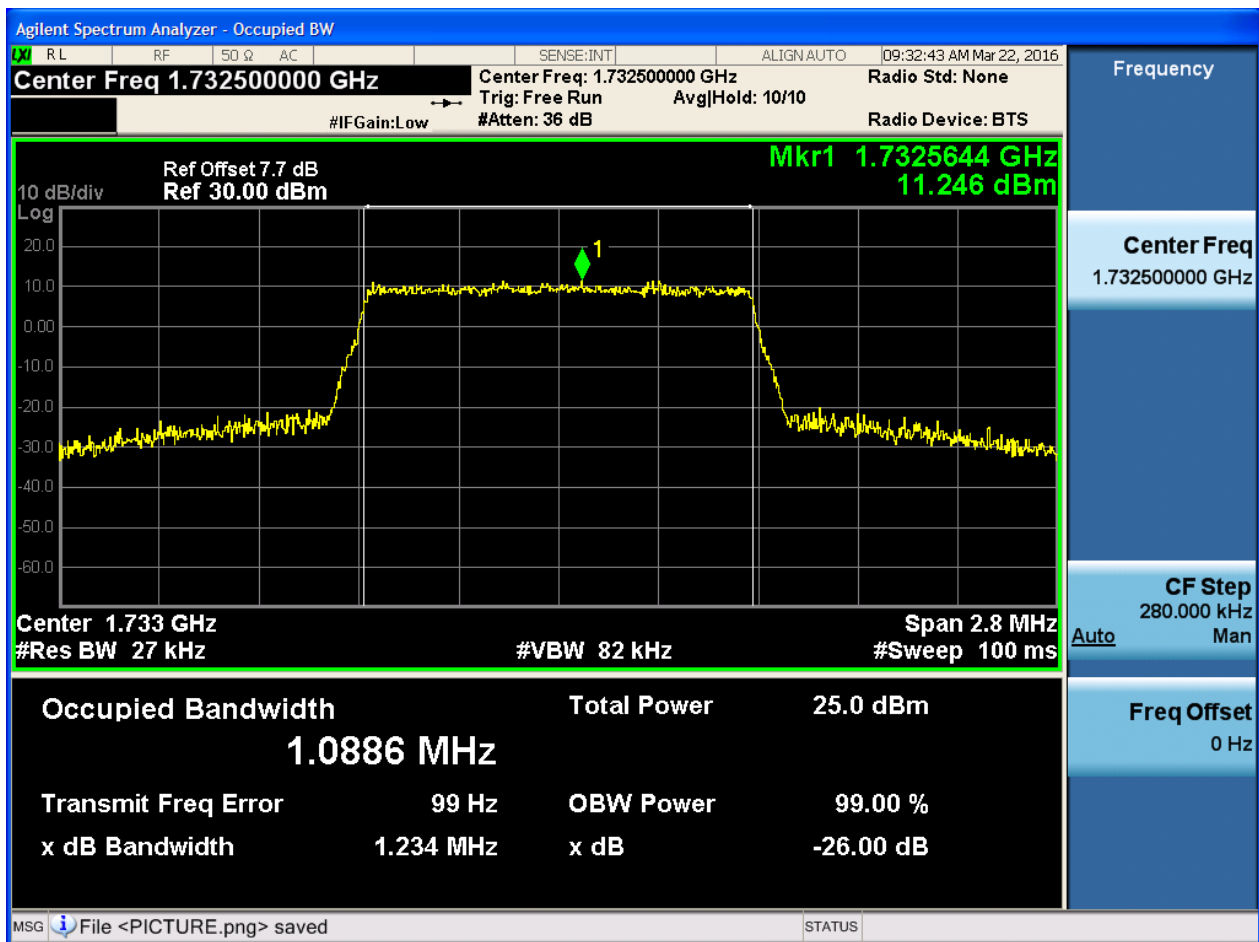
4.1.1.2.1.1.1 Test RB = RB6#0





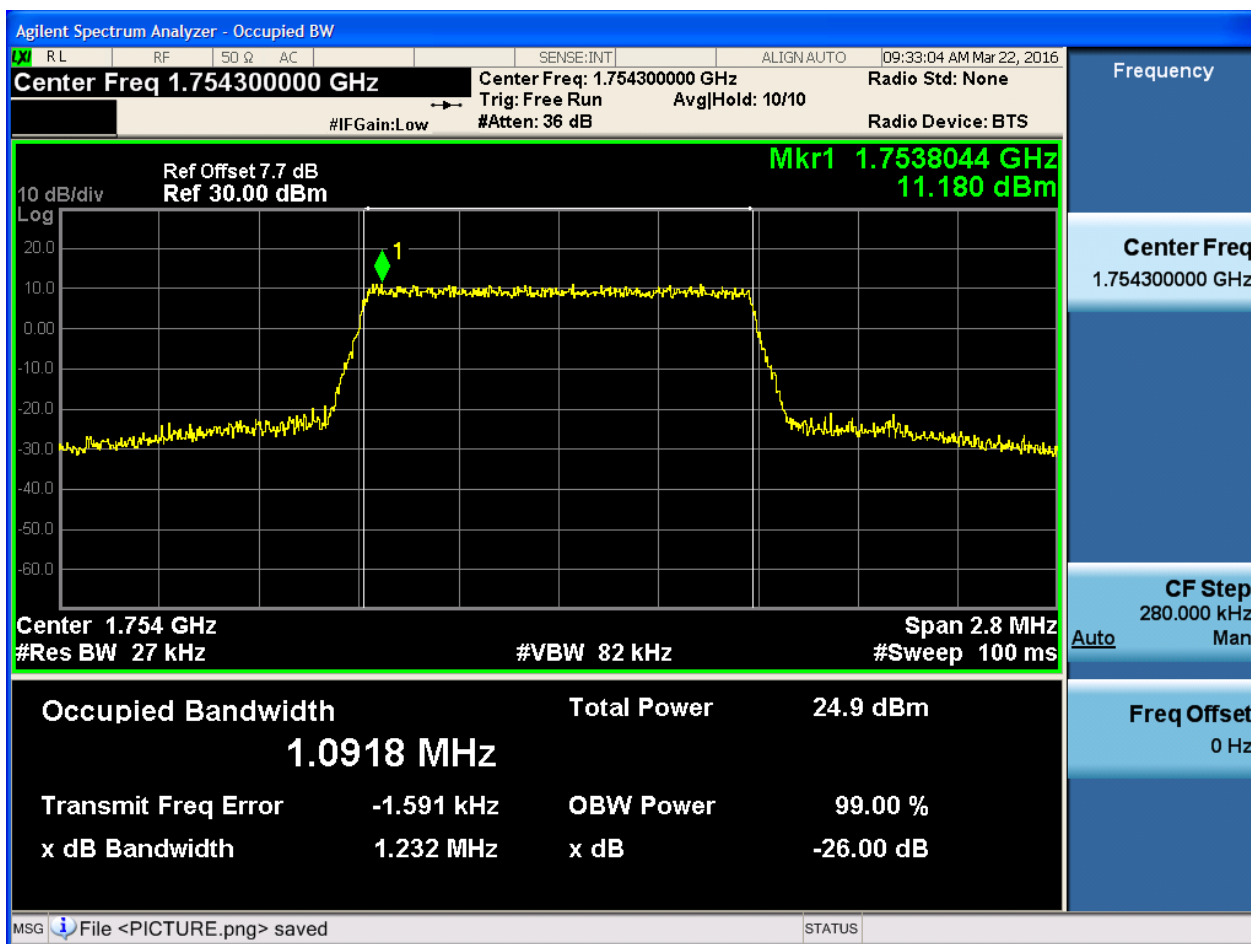
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0



4.1.1.2.1.3 Test Channel = HCH

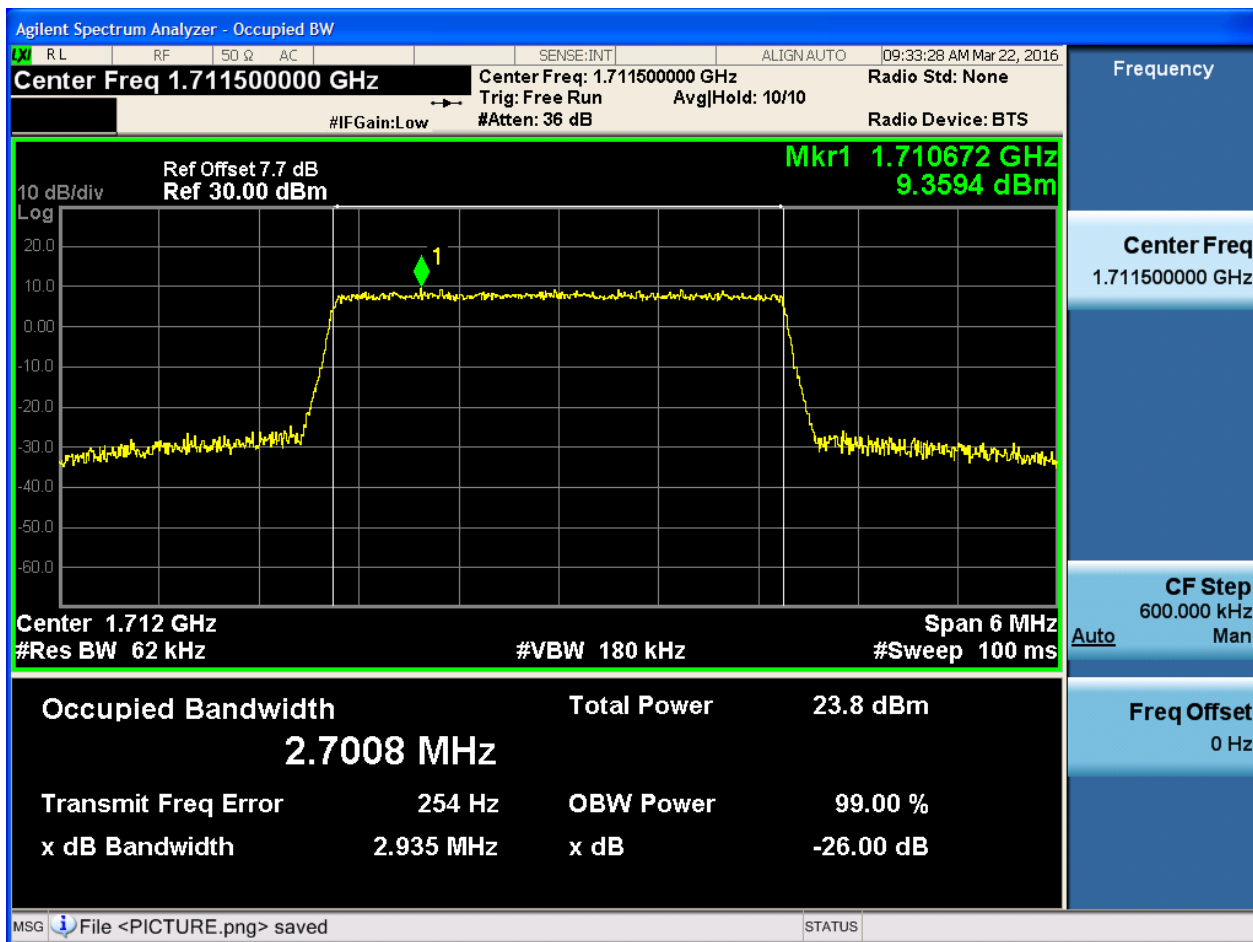
4.1.1.2.1.3.1 Test RB = RB6#0



4.1.1.2.2 Test Bandwidth = 3

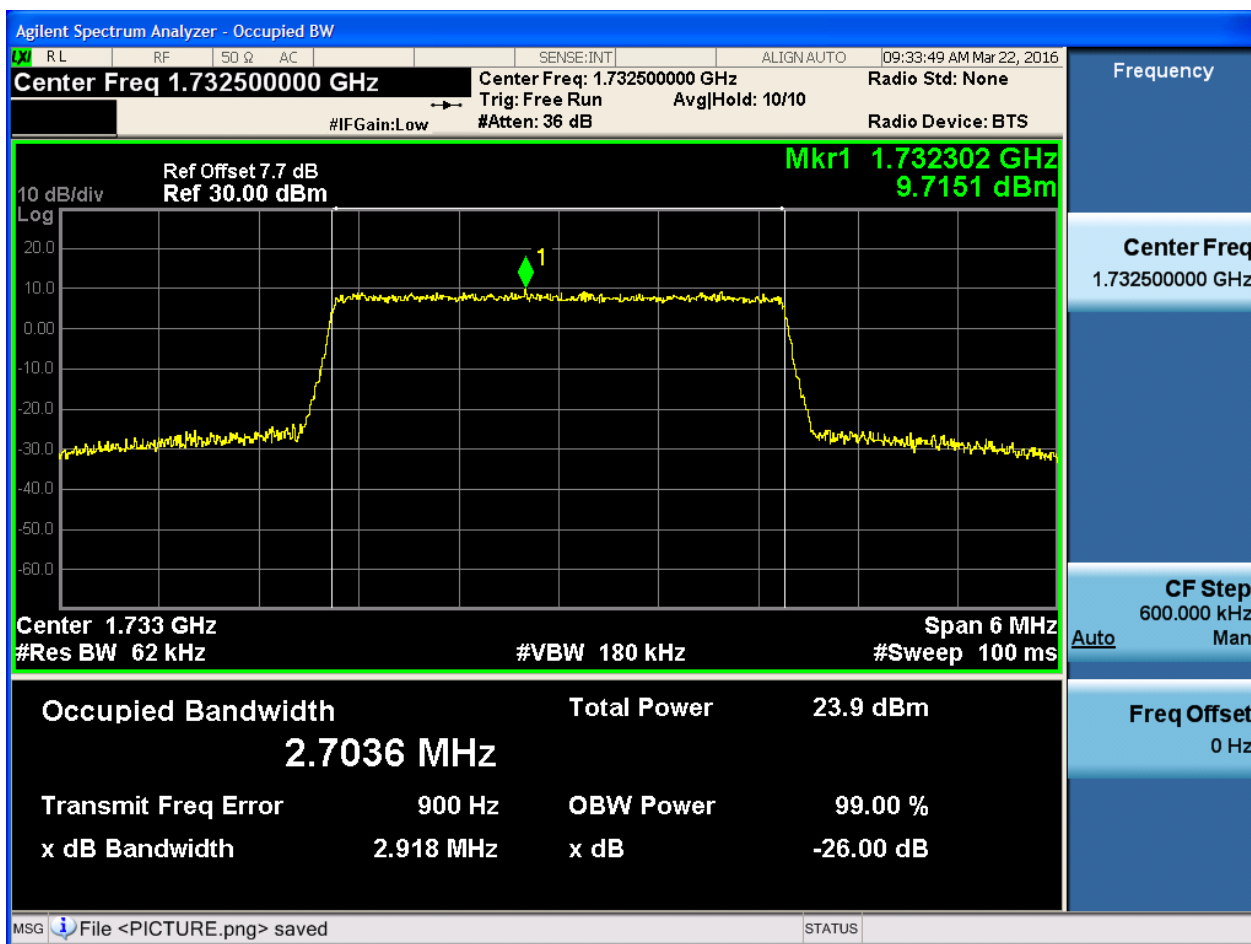
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



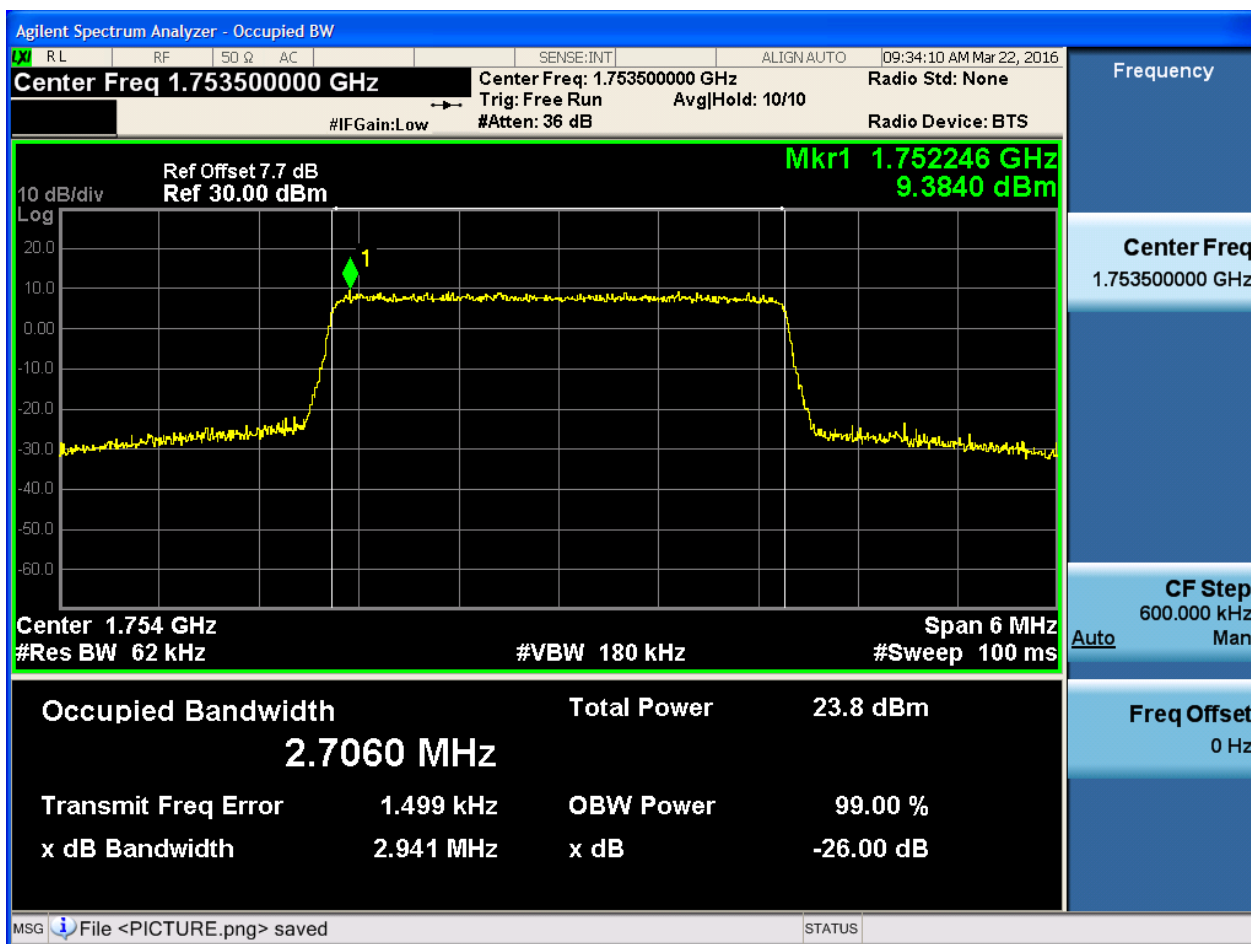
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

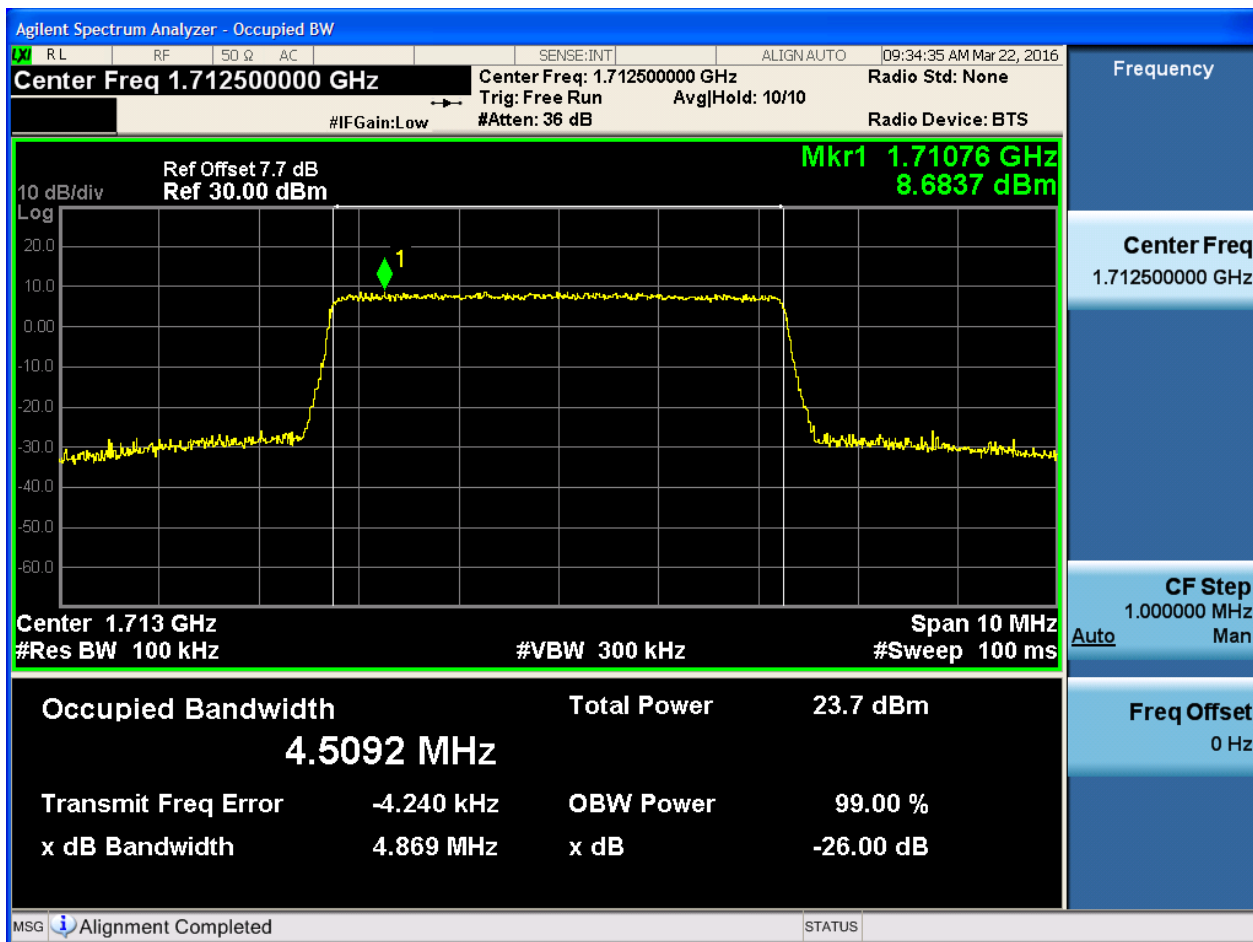




4.1.1.2.3 Test Bandwidth = 5

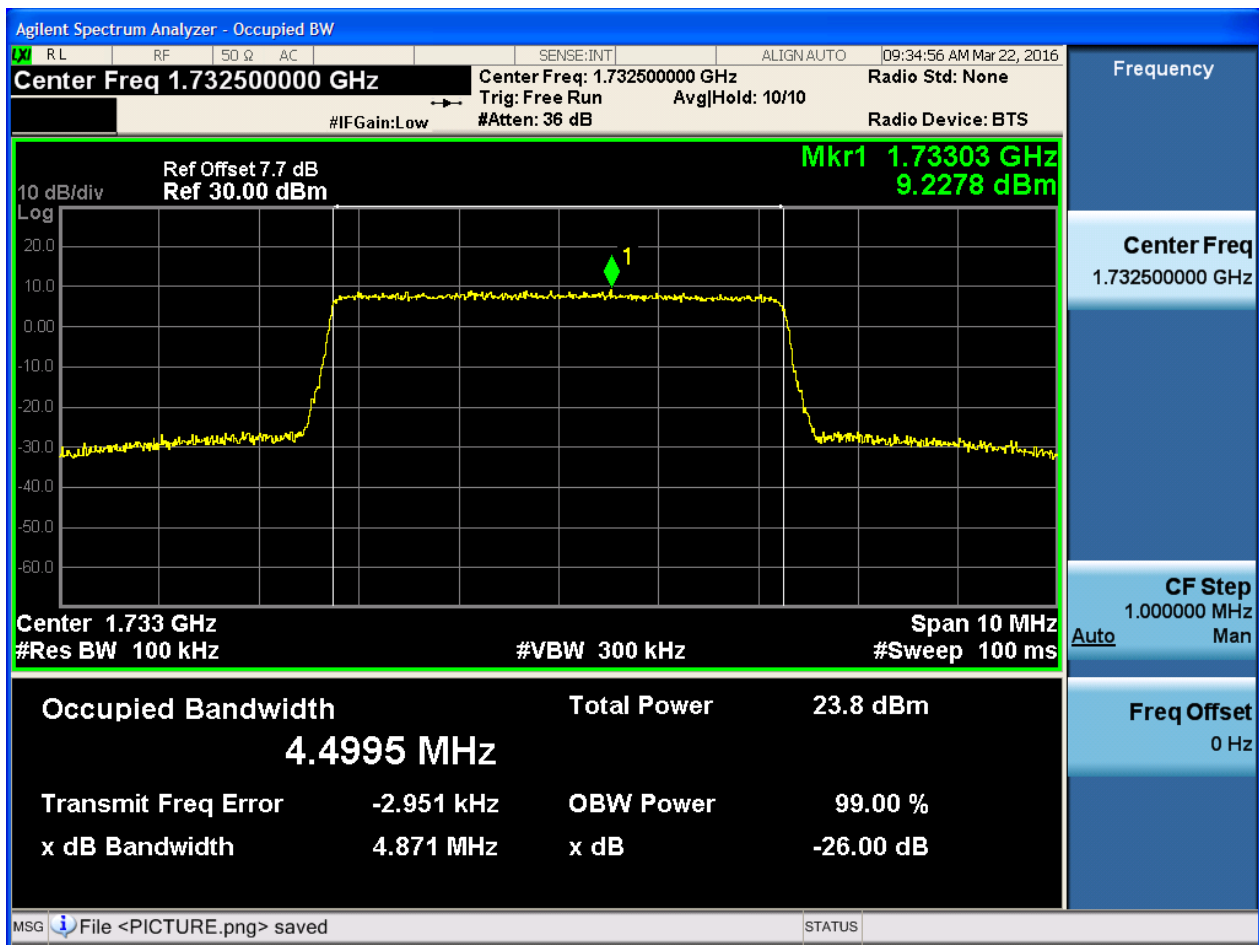
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



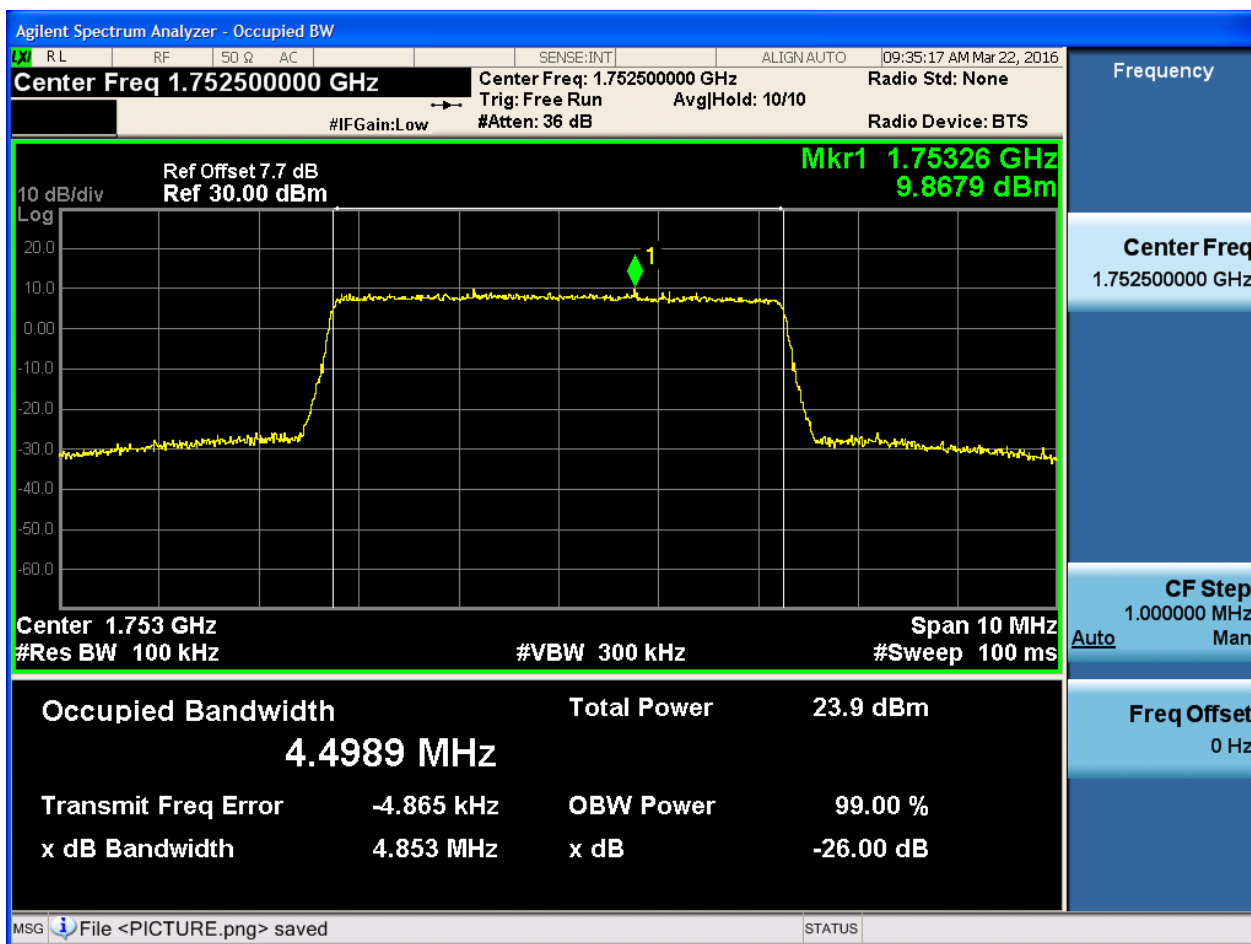
4.1.1.2.3.2 Test Channel = MCH

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

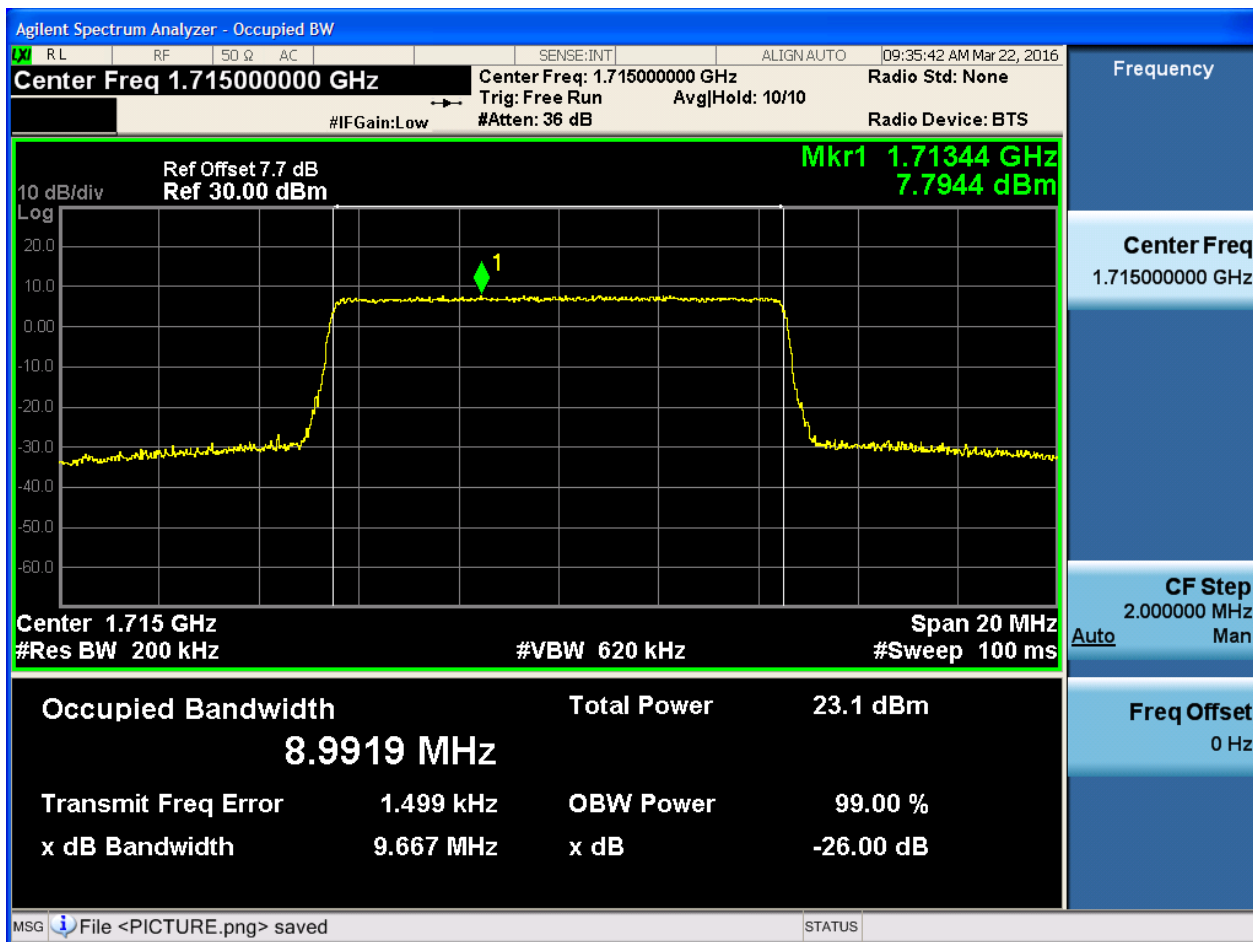




4.1.1.2.4 Test Bandwidth = 10

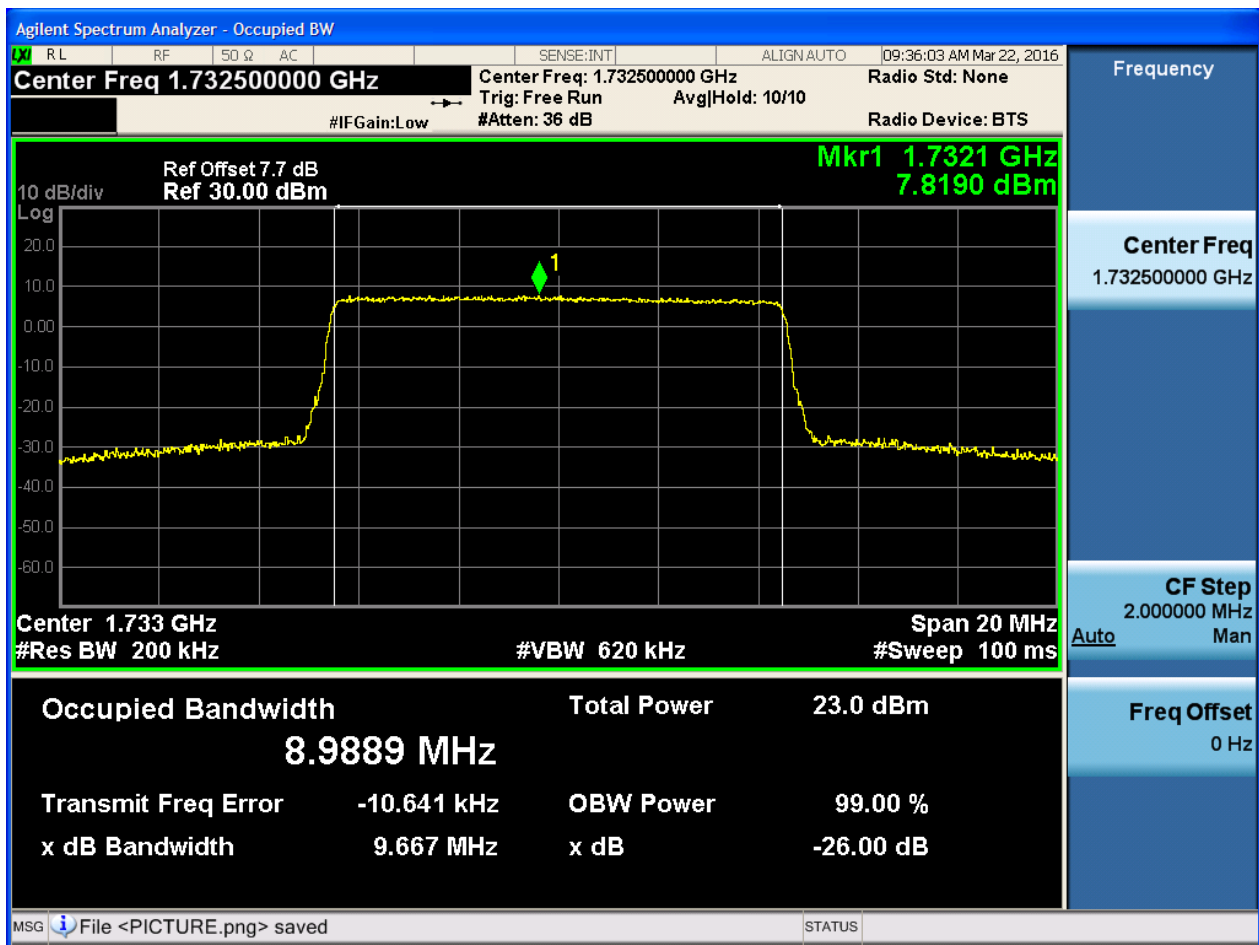
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



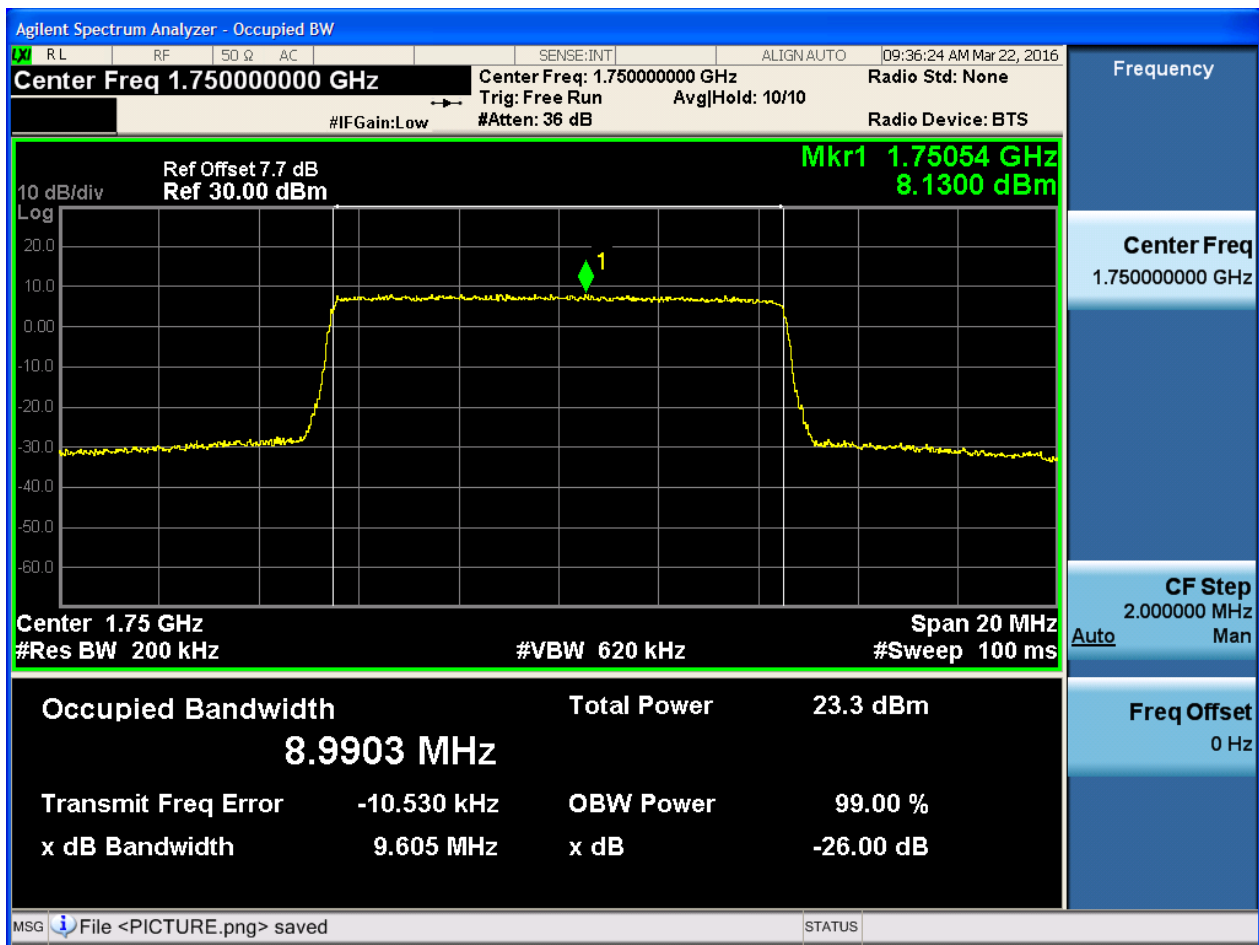
4.1.1.2.4.2 Test Channel = MCH

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

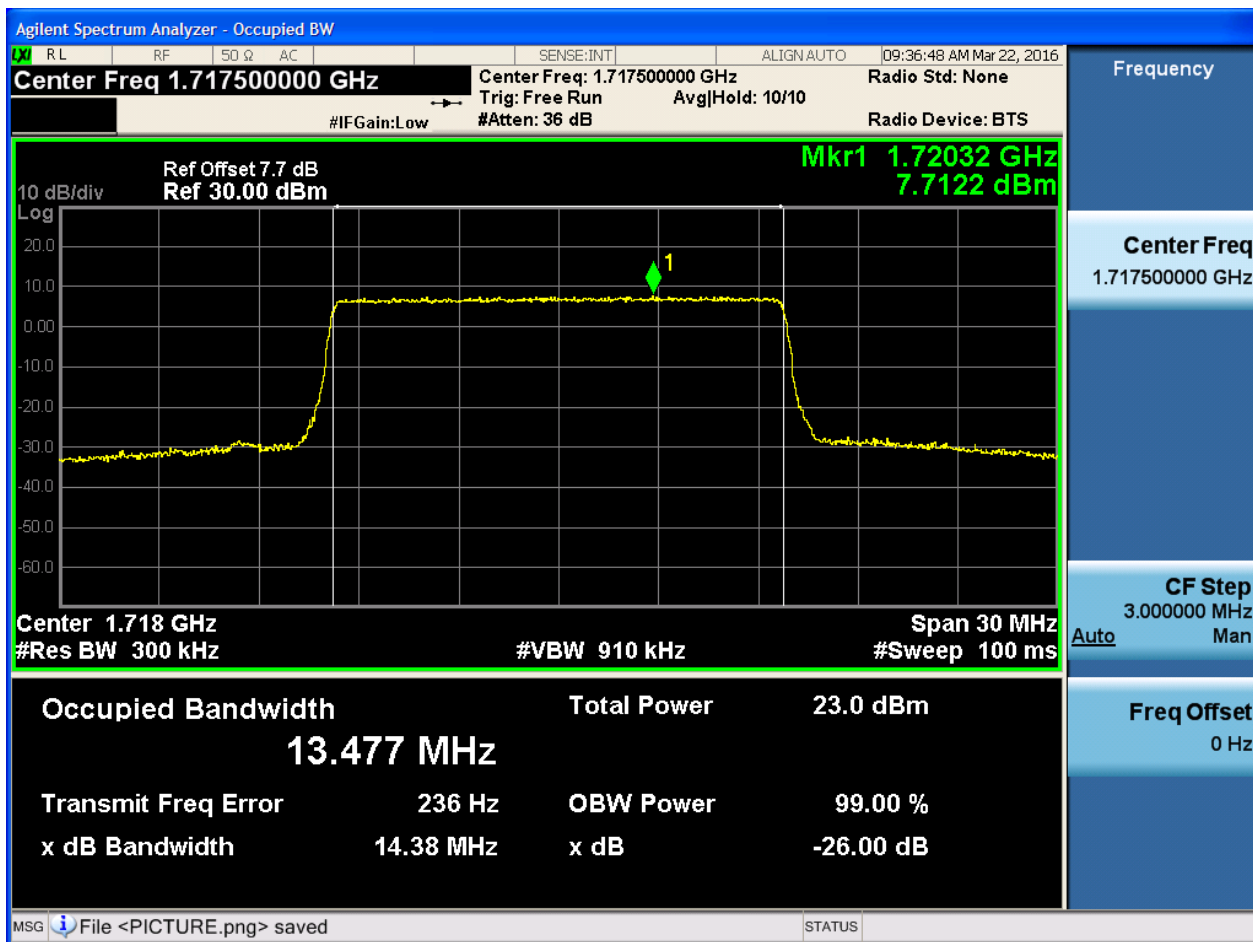




4.1.1.2.5 Test Bandwidth = 15

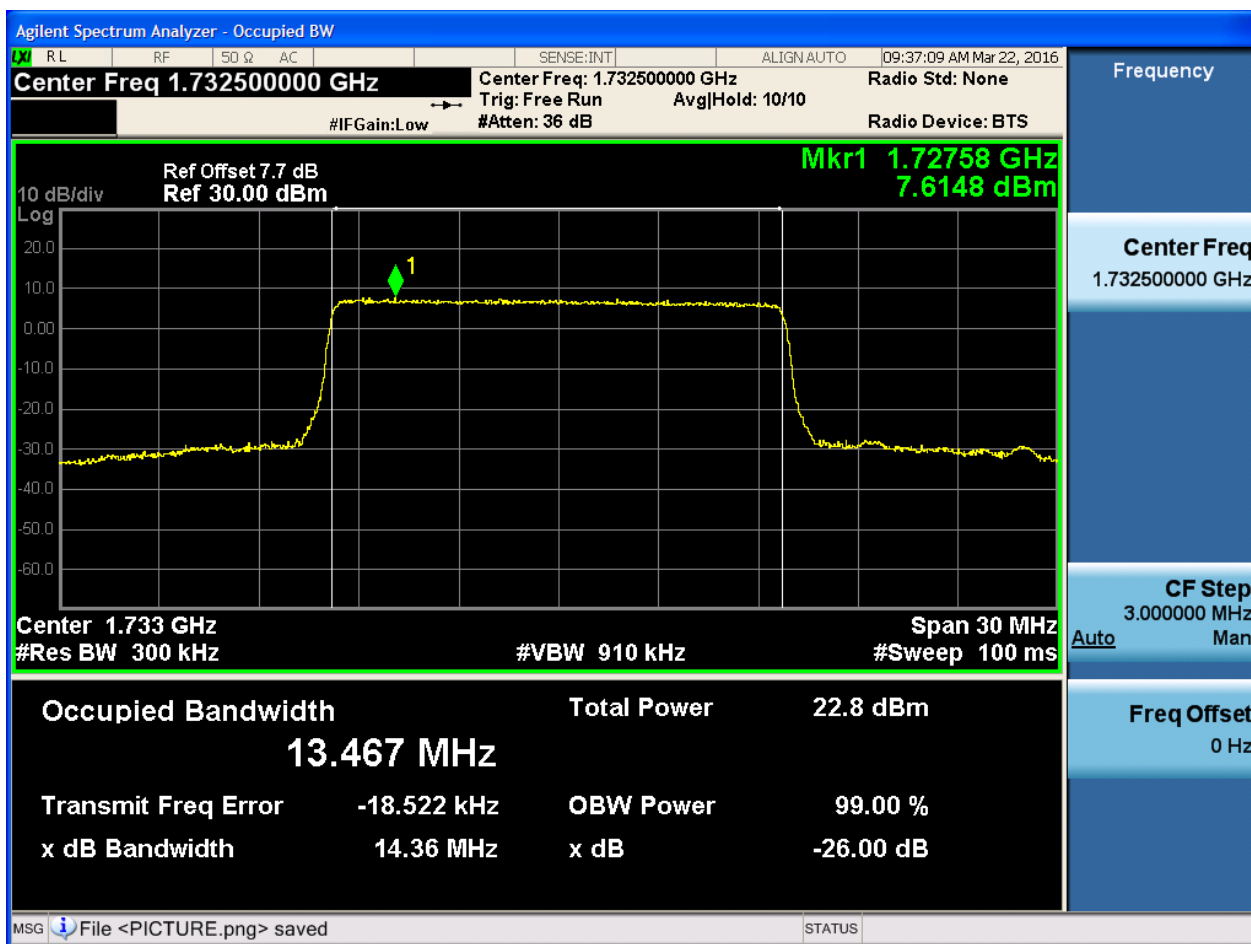
4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



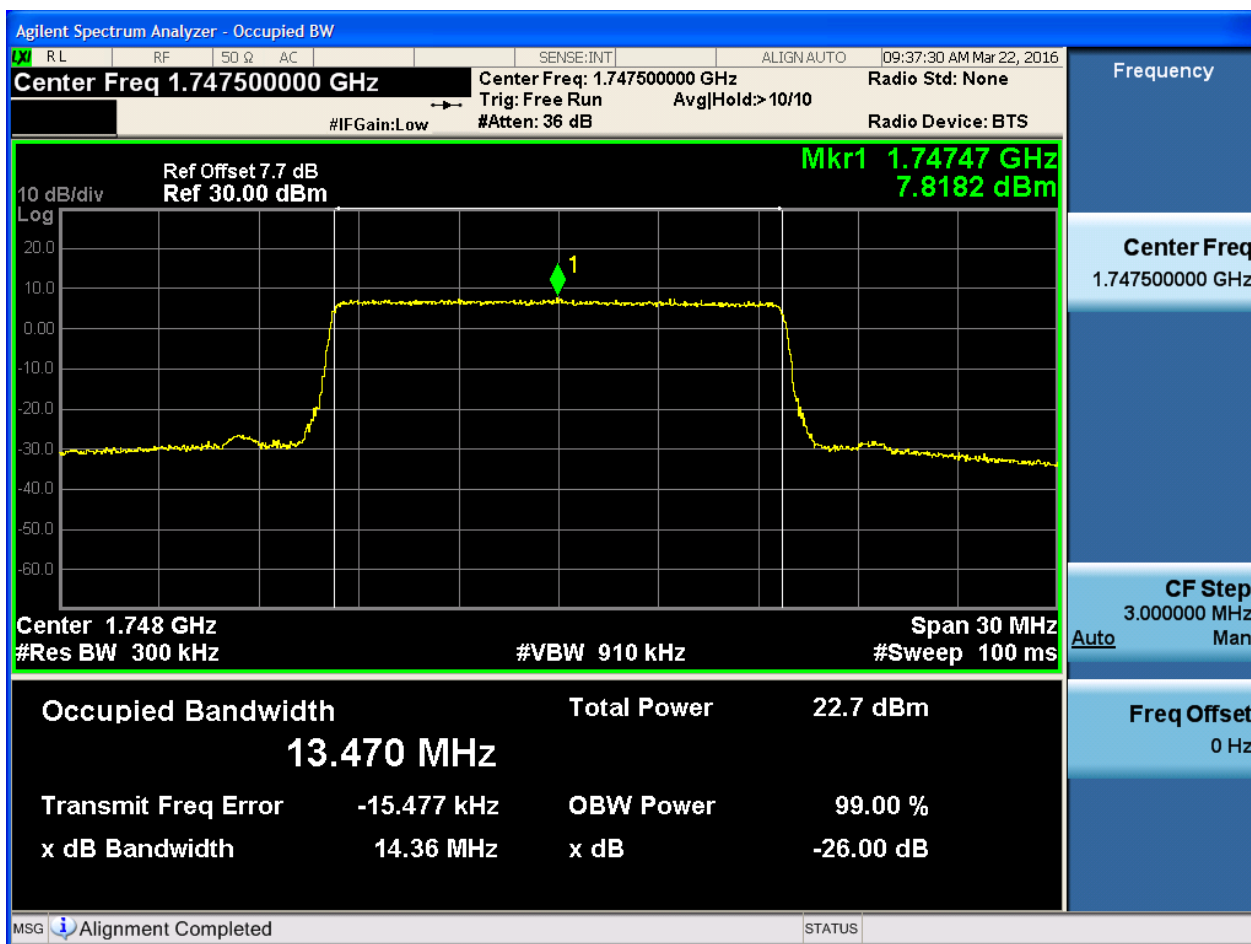
4.1.1.2.5.2 Test Channel = MCH

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

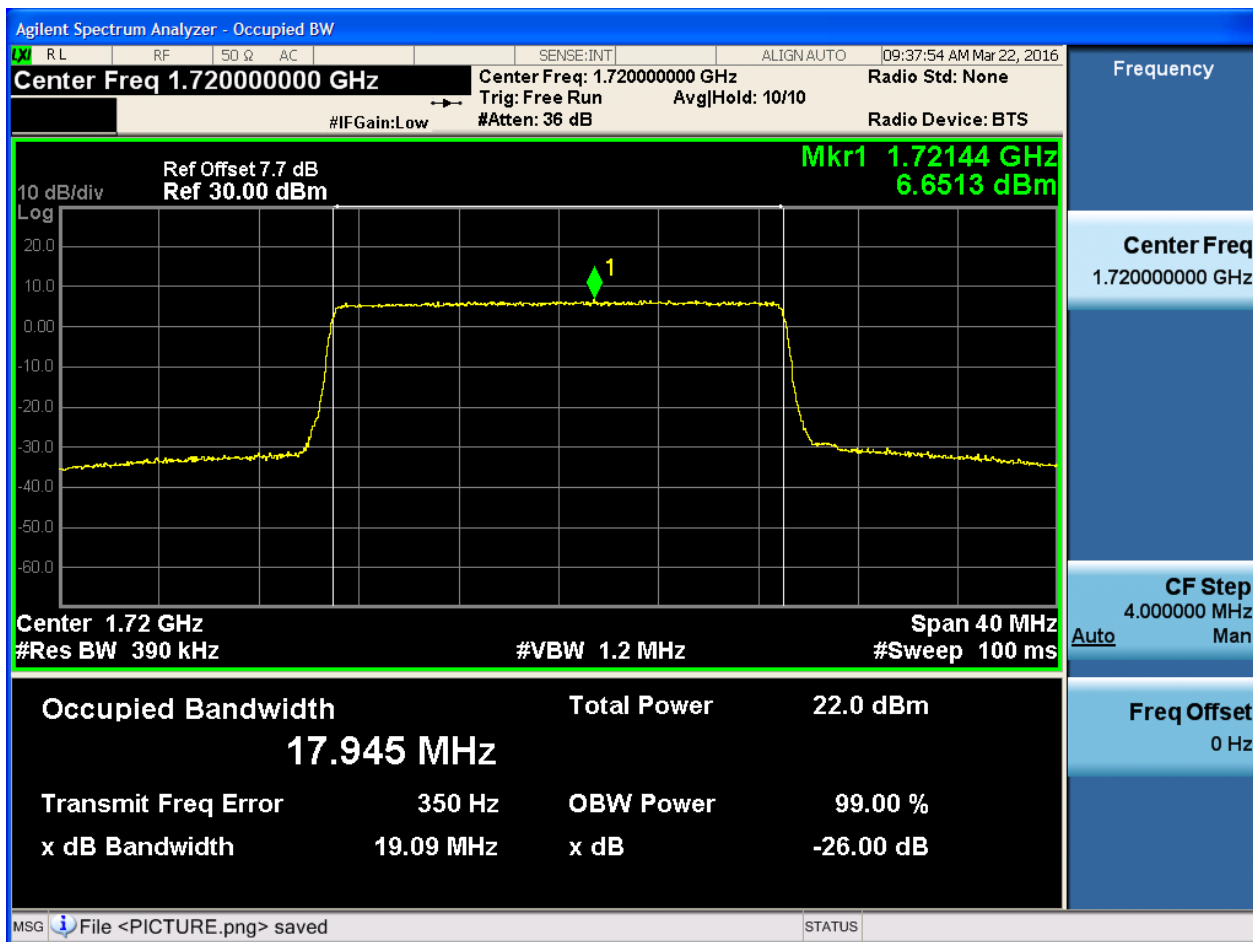




4.1.1.2.6 Test Bandwidth = 20

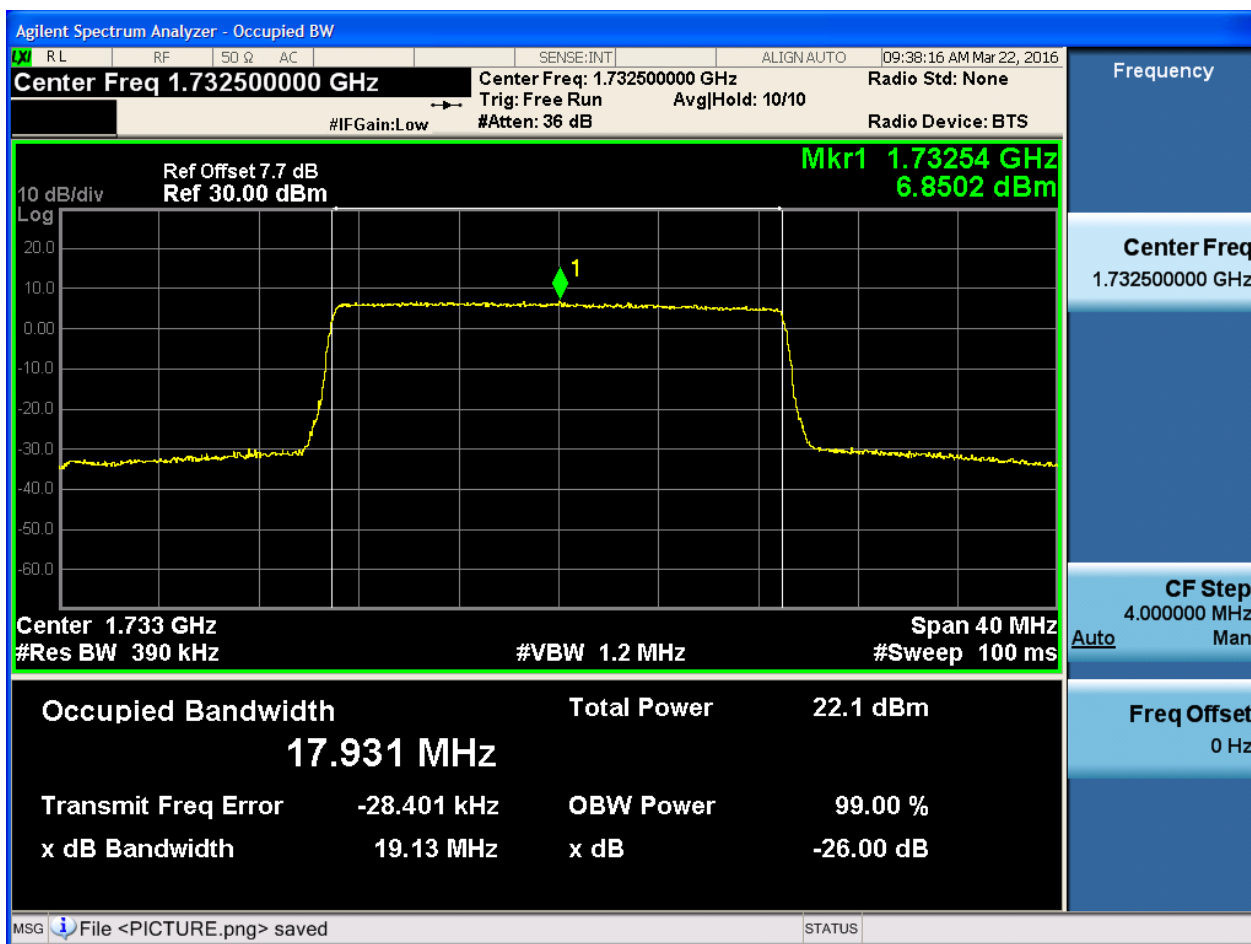
4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0



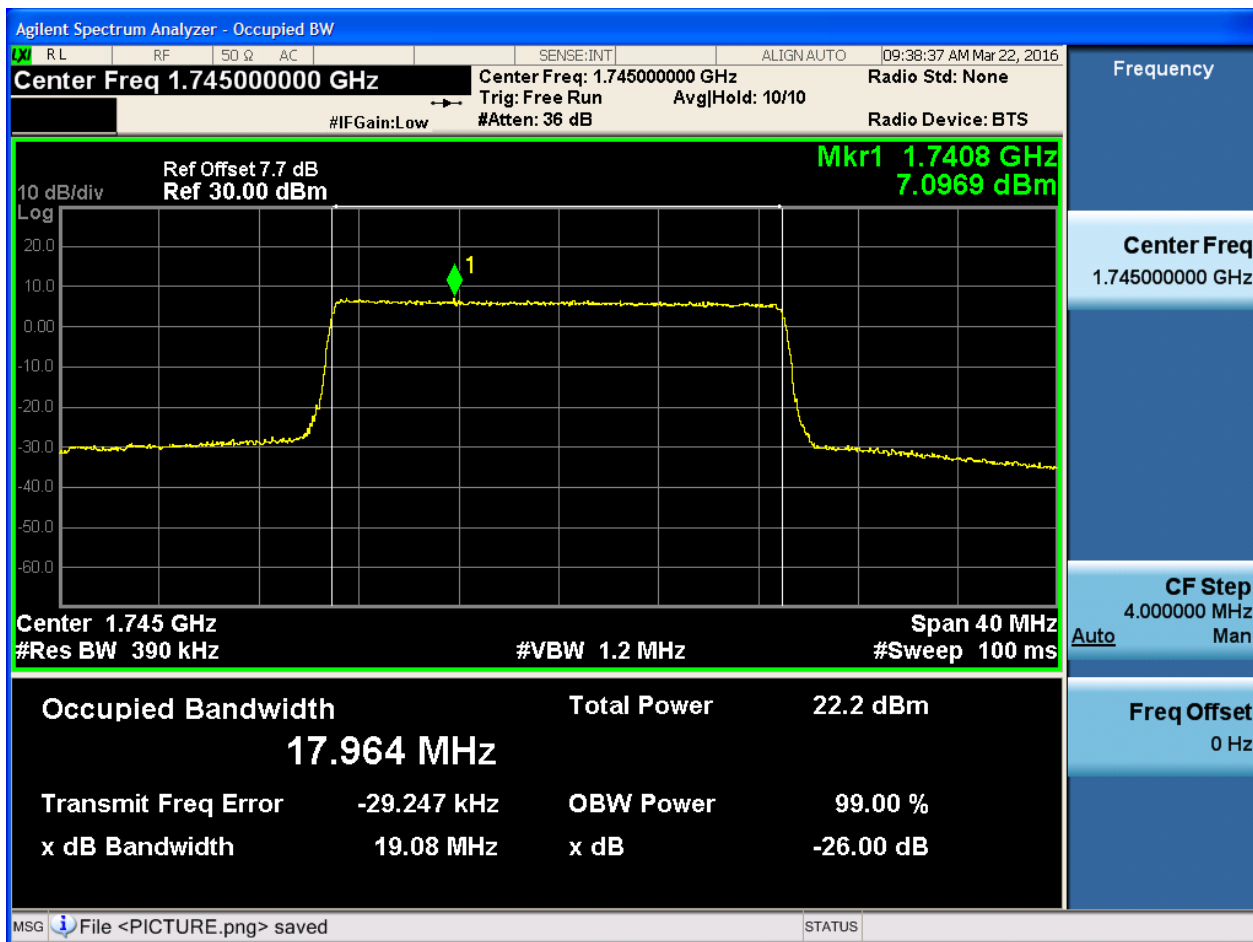
4.1.1.2.6.2 Test Channel = MCH

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

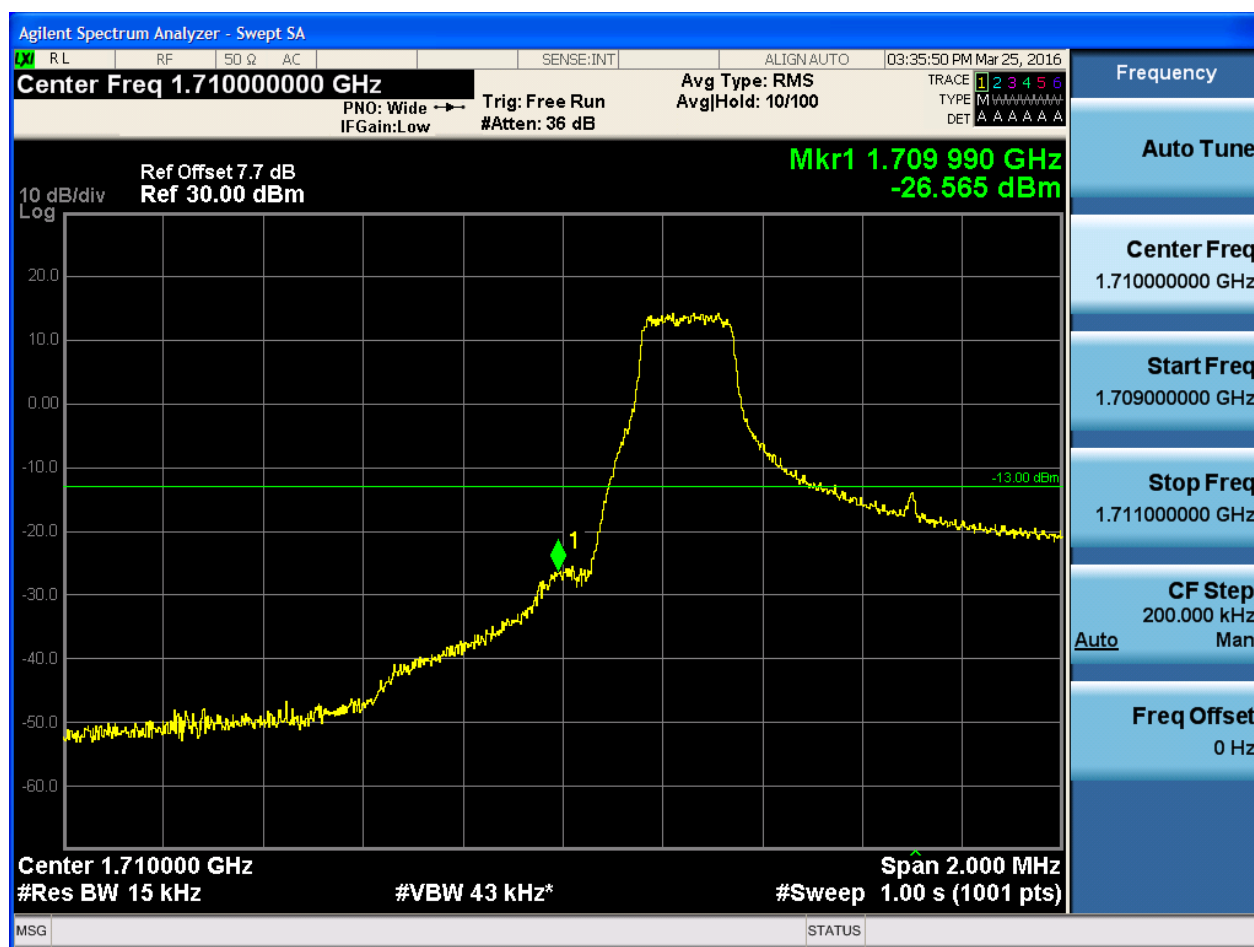
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

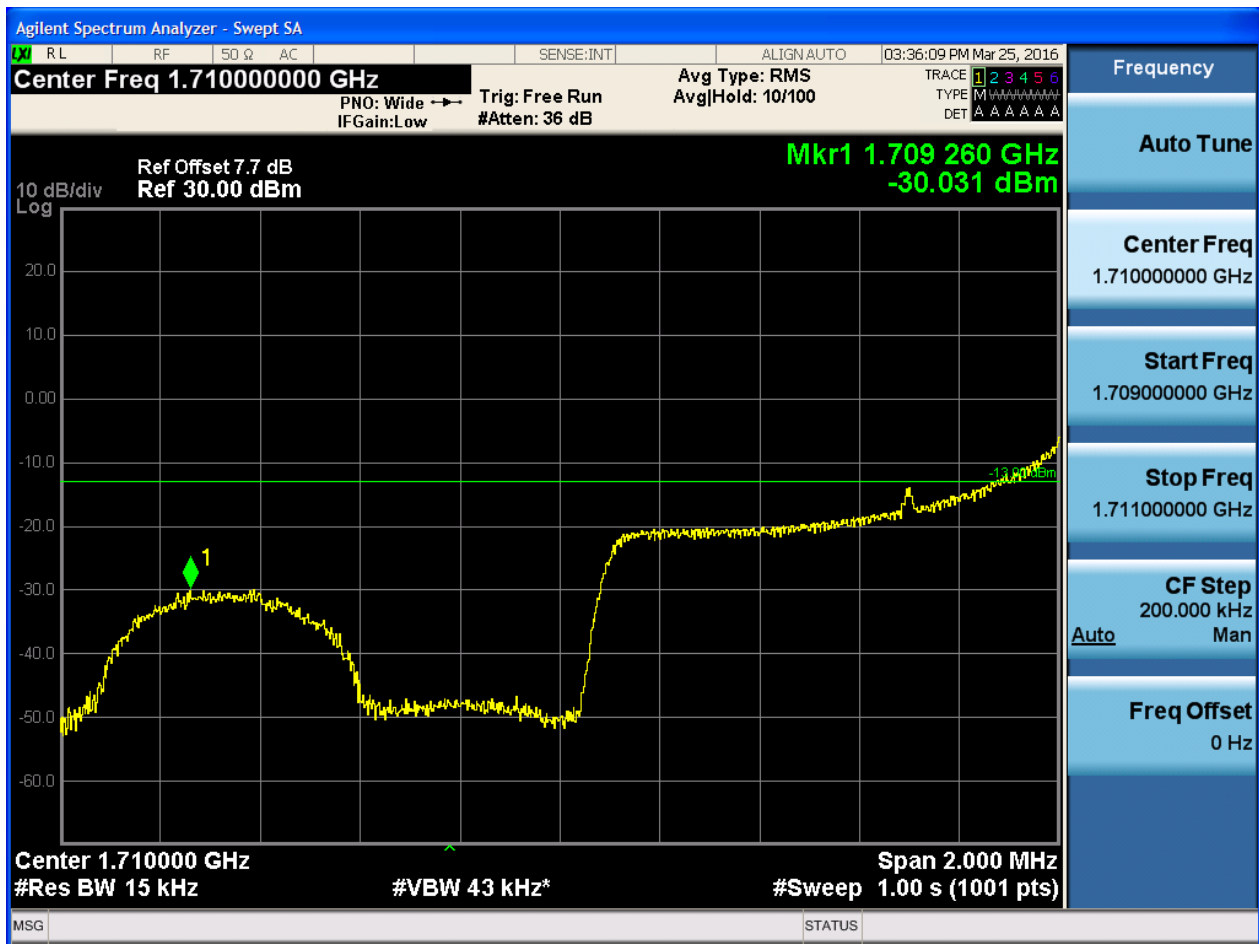
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5



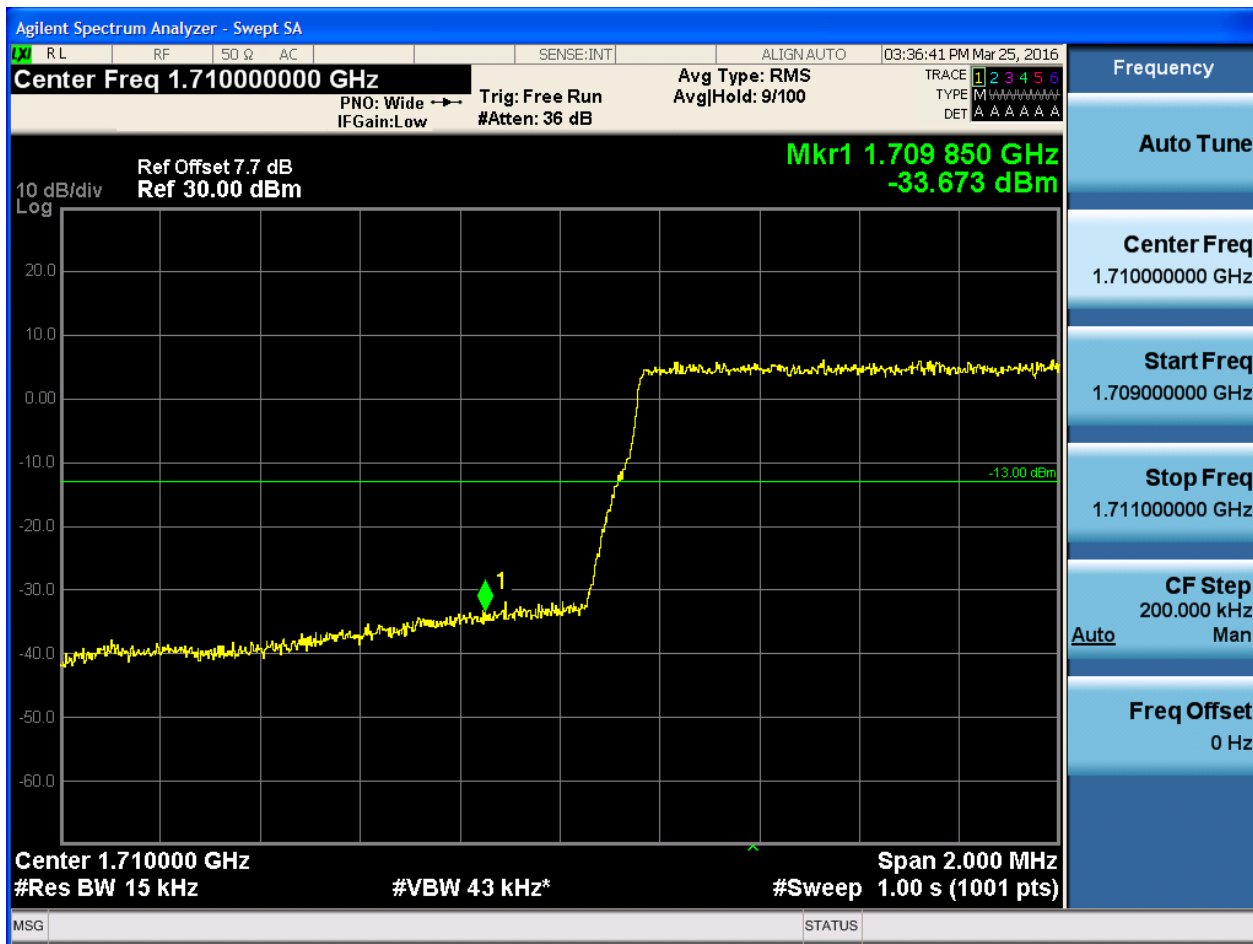


5.1.1.1.1.3 Test RB = RB3#2





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





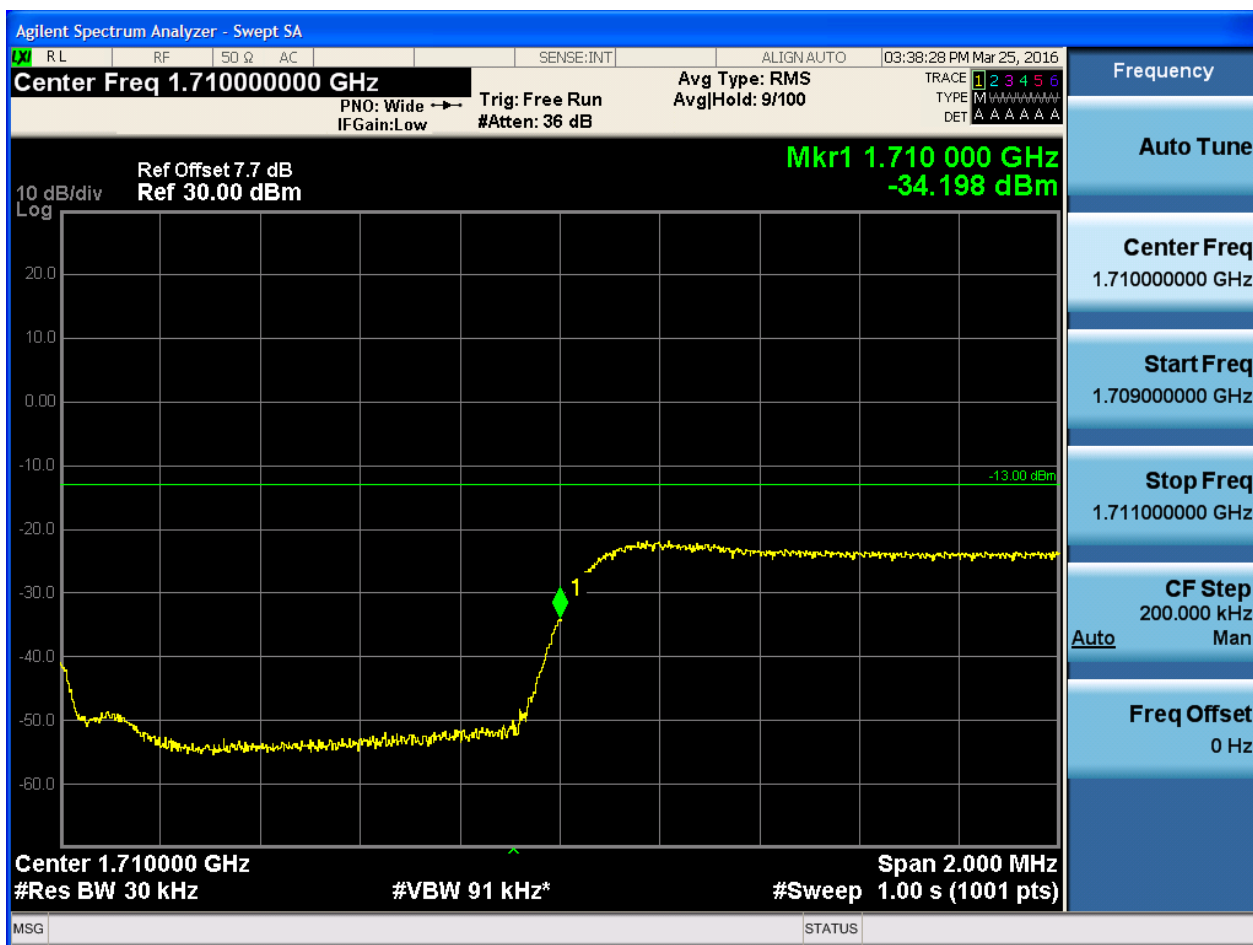
5.1.1.1.2.4 Test RB = RB6#0





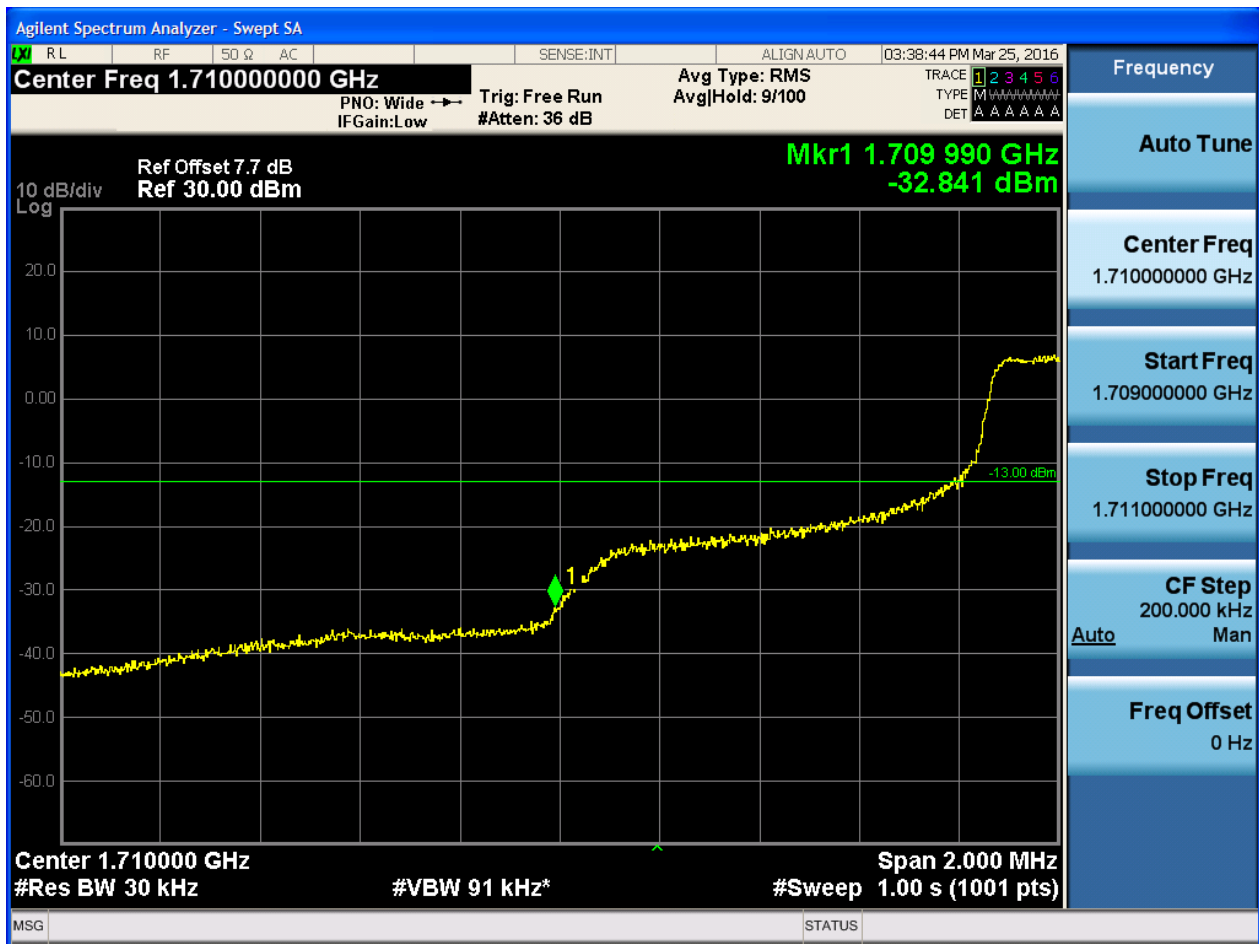


5.1.1.1.2.1.2 Test RB = RB1#14



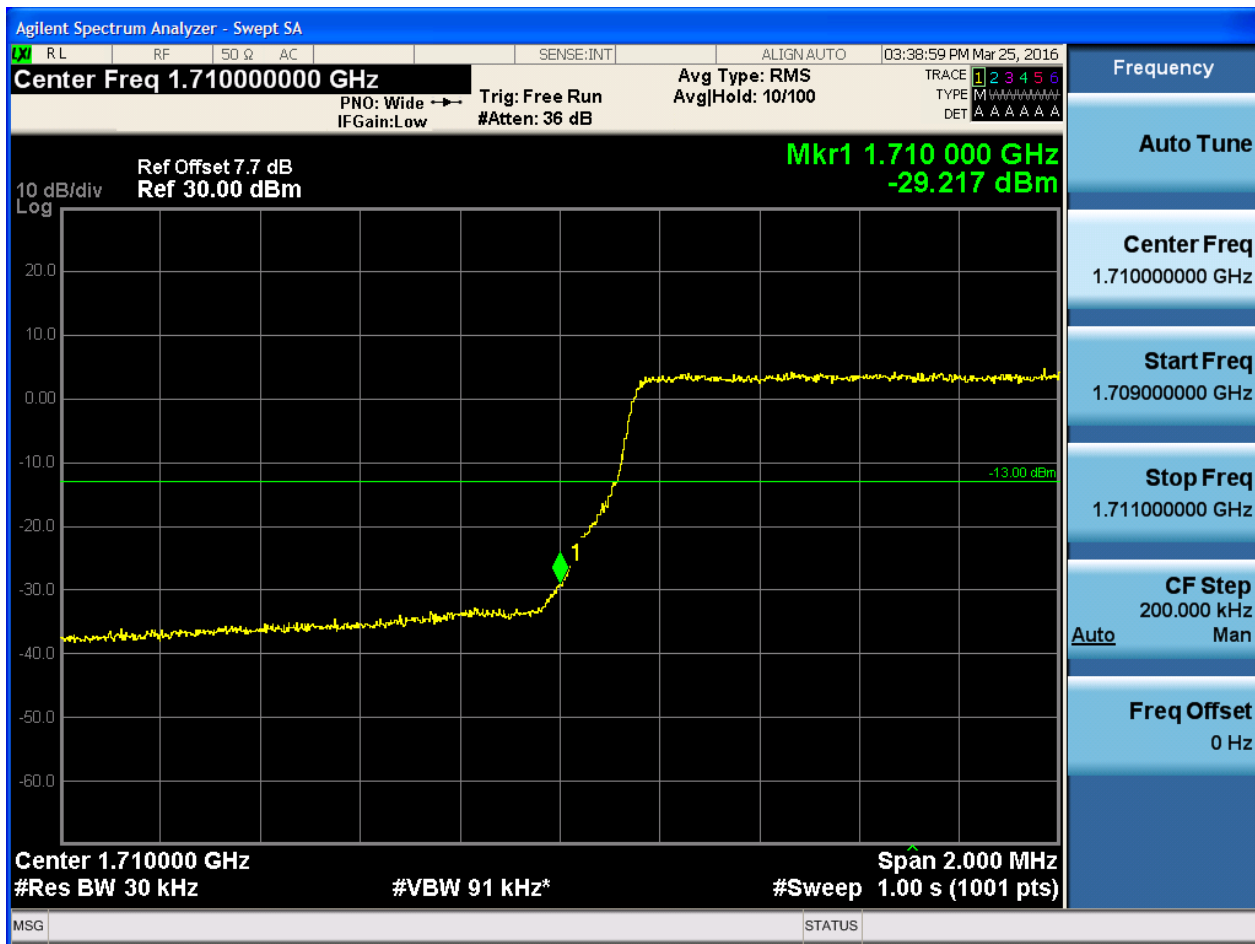


5.1.1.1.2.1.3 Test RB = RB8#4



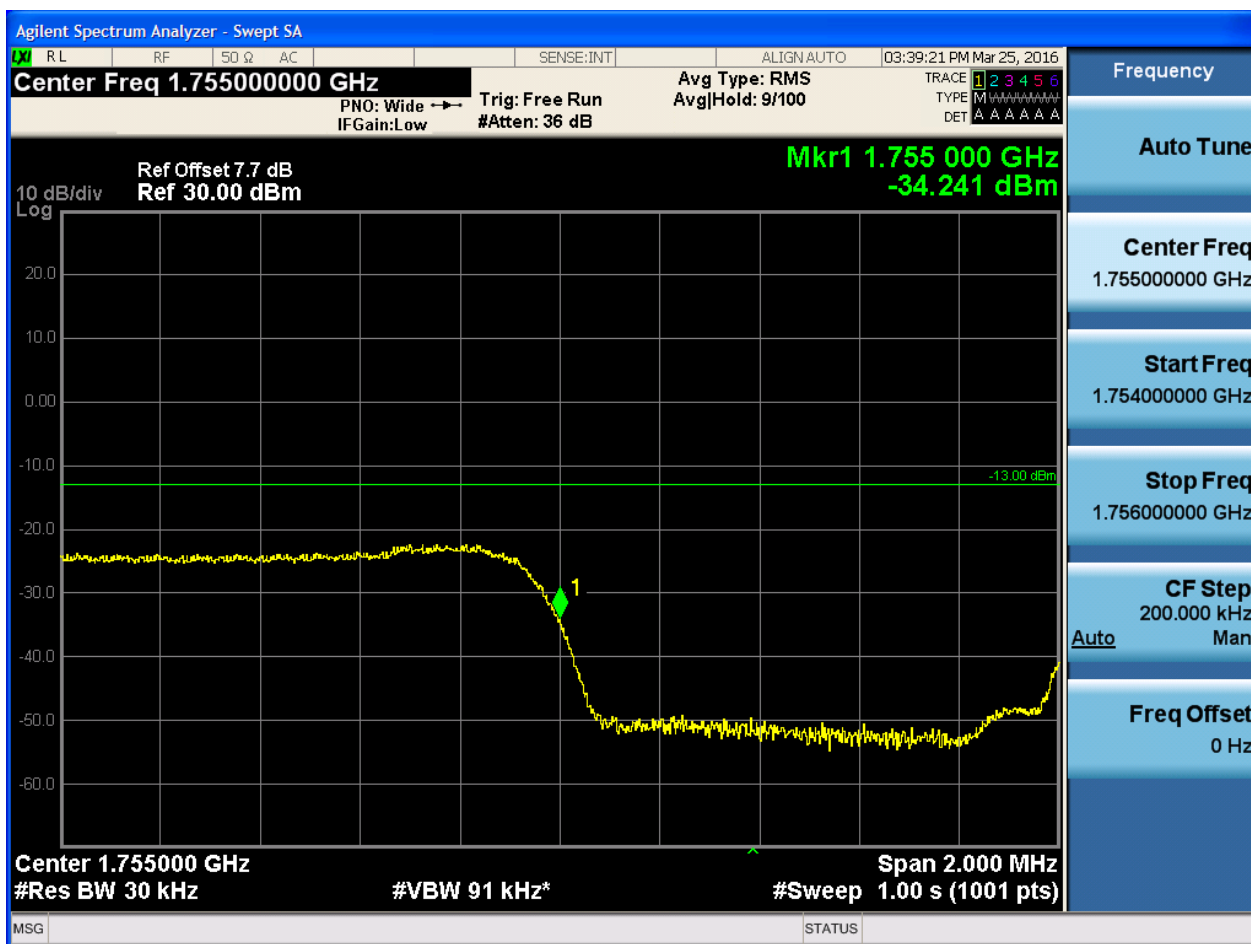


5.1.1.1.2.1.4 Test RB = RB15#0



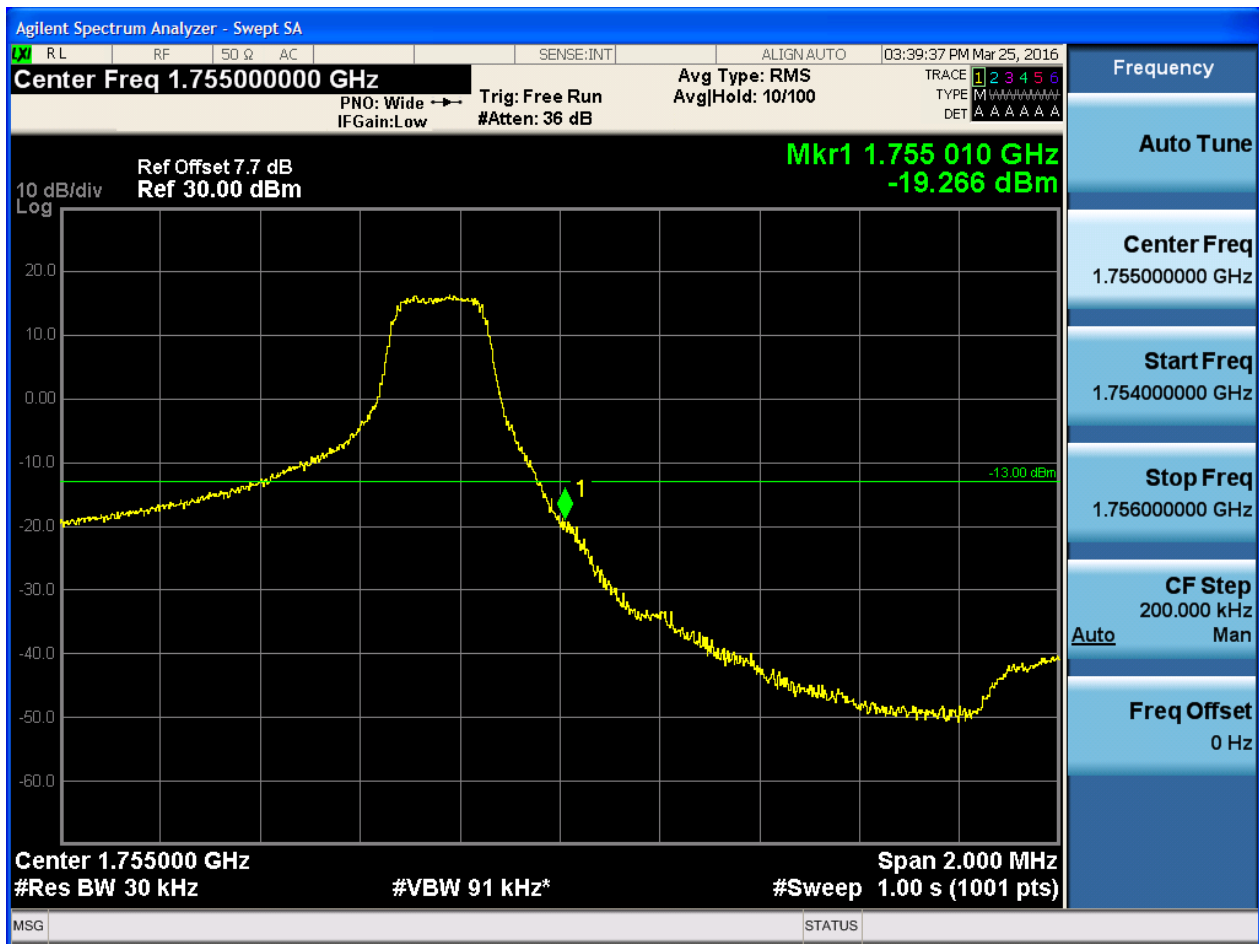
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





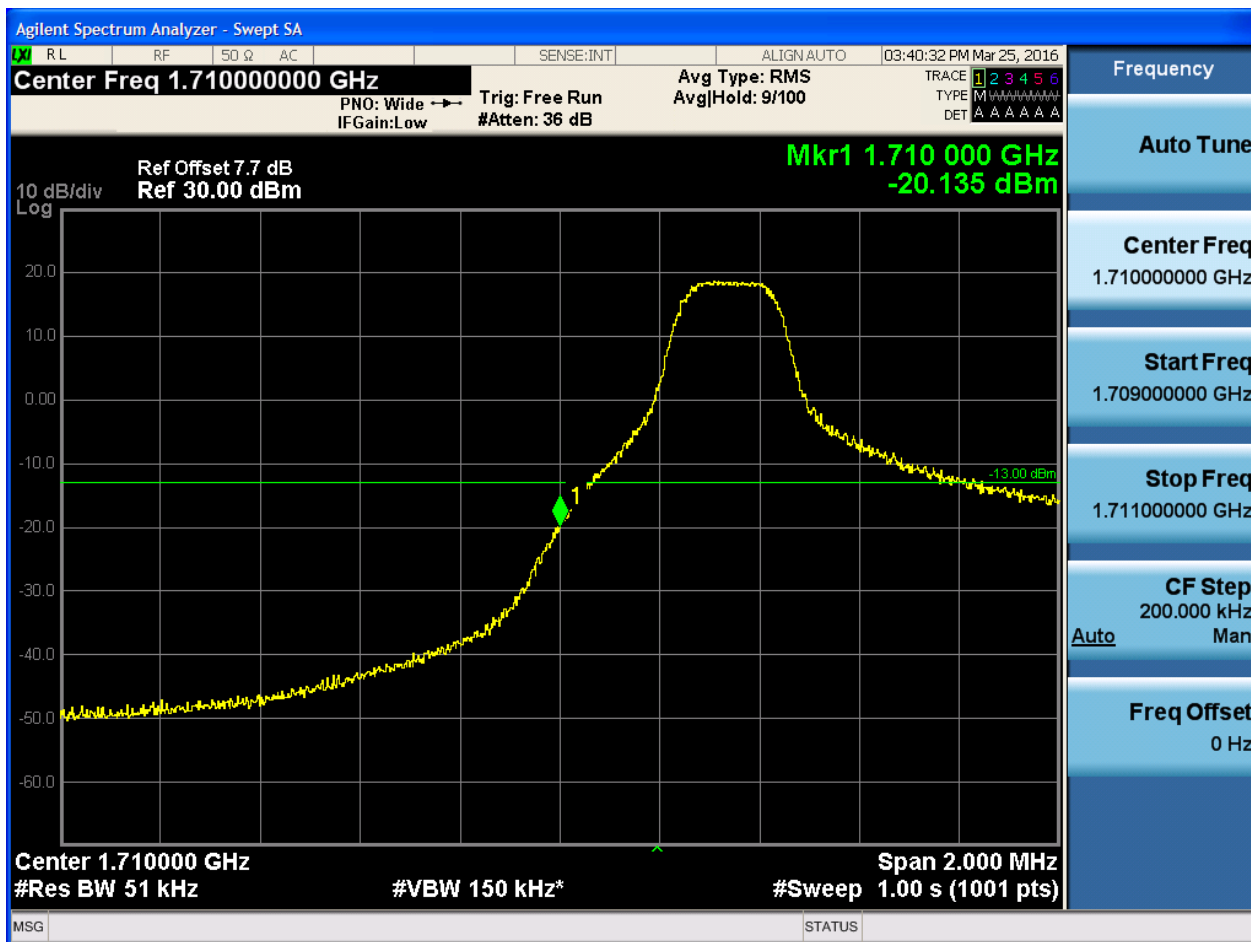
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

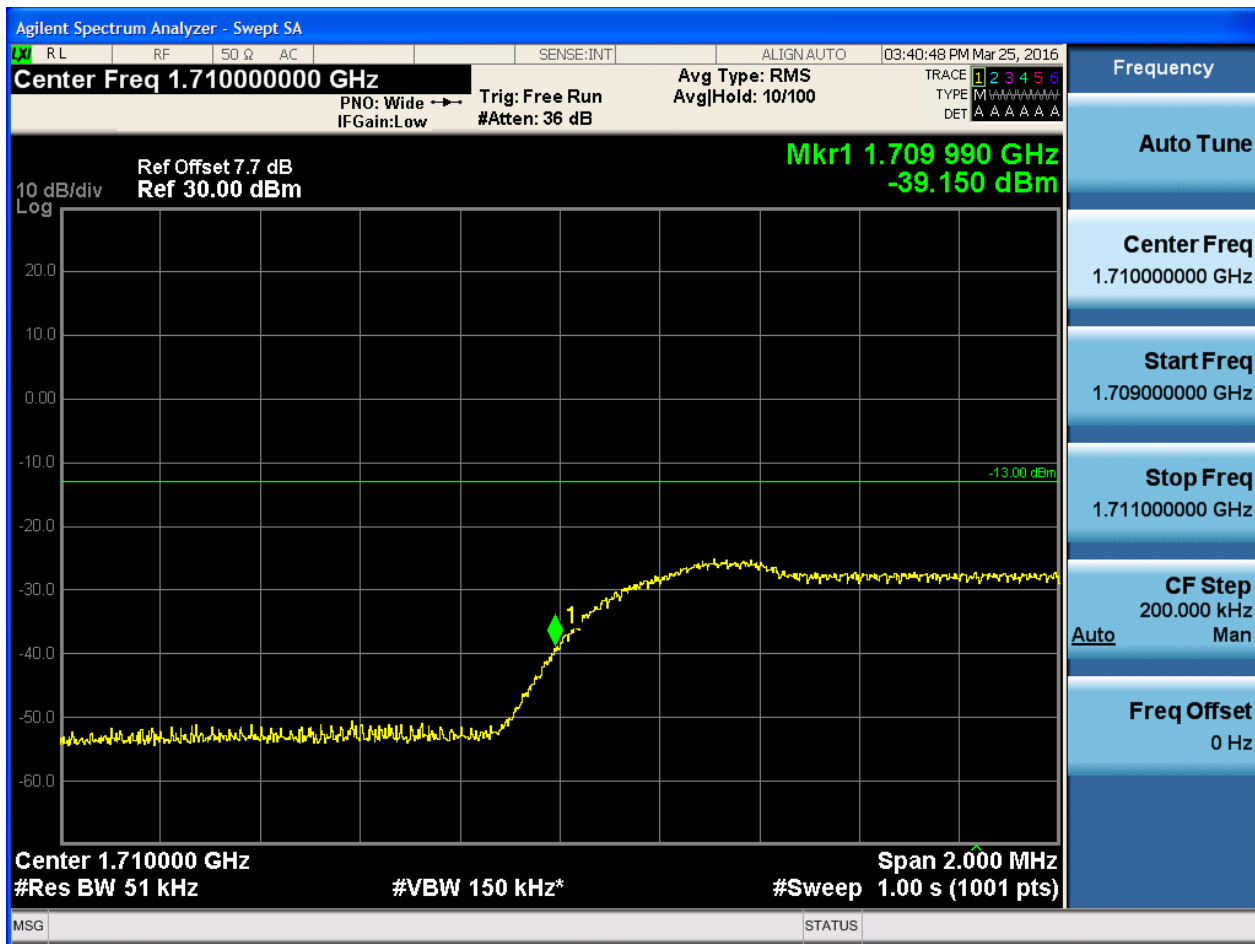
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



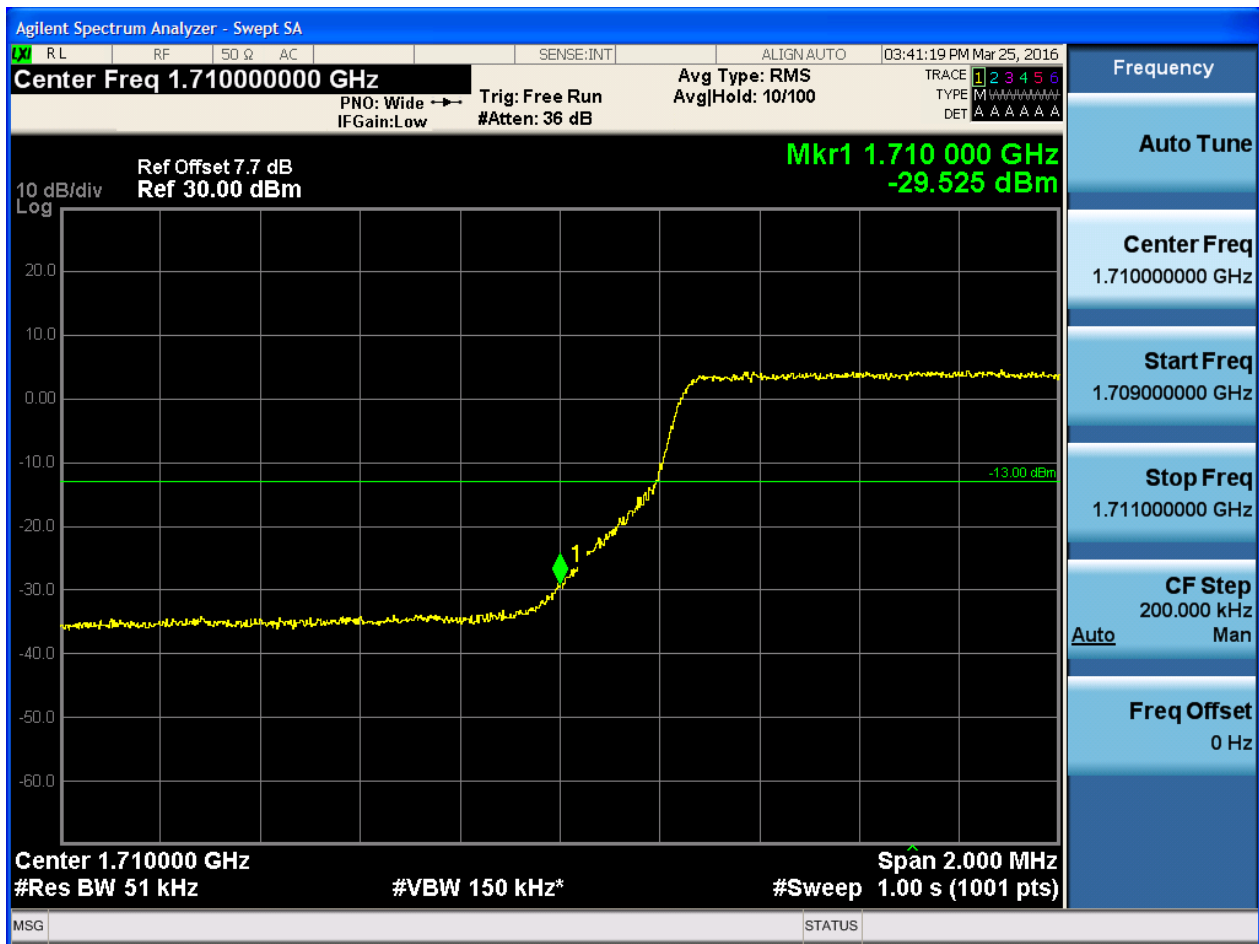


5.1.1.1.3.1.3 Test RB = RB12#6





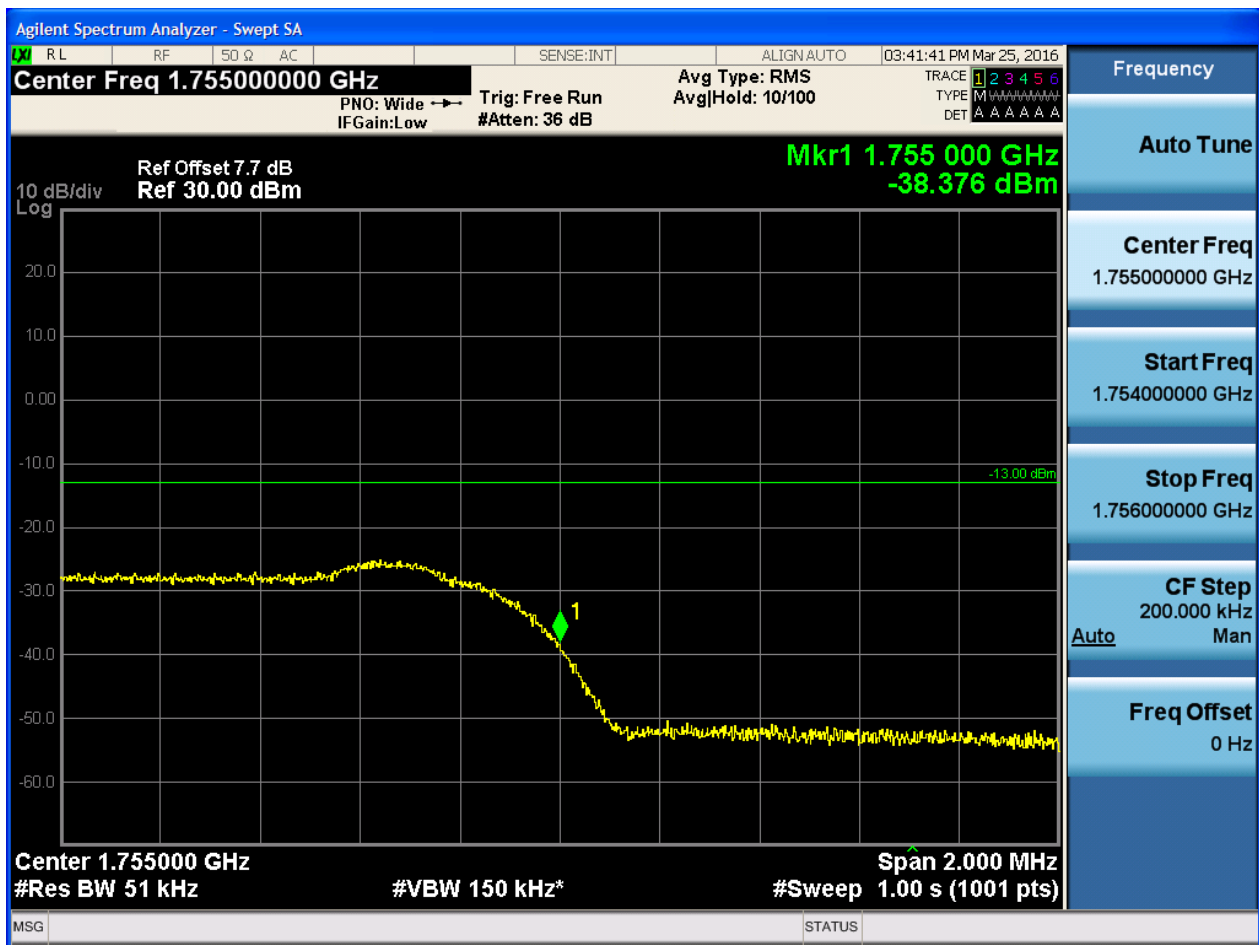
5.1.1.1.3.1.4 Test RB = RB25#0





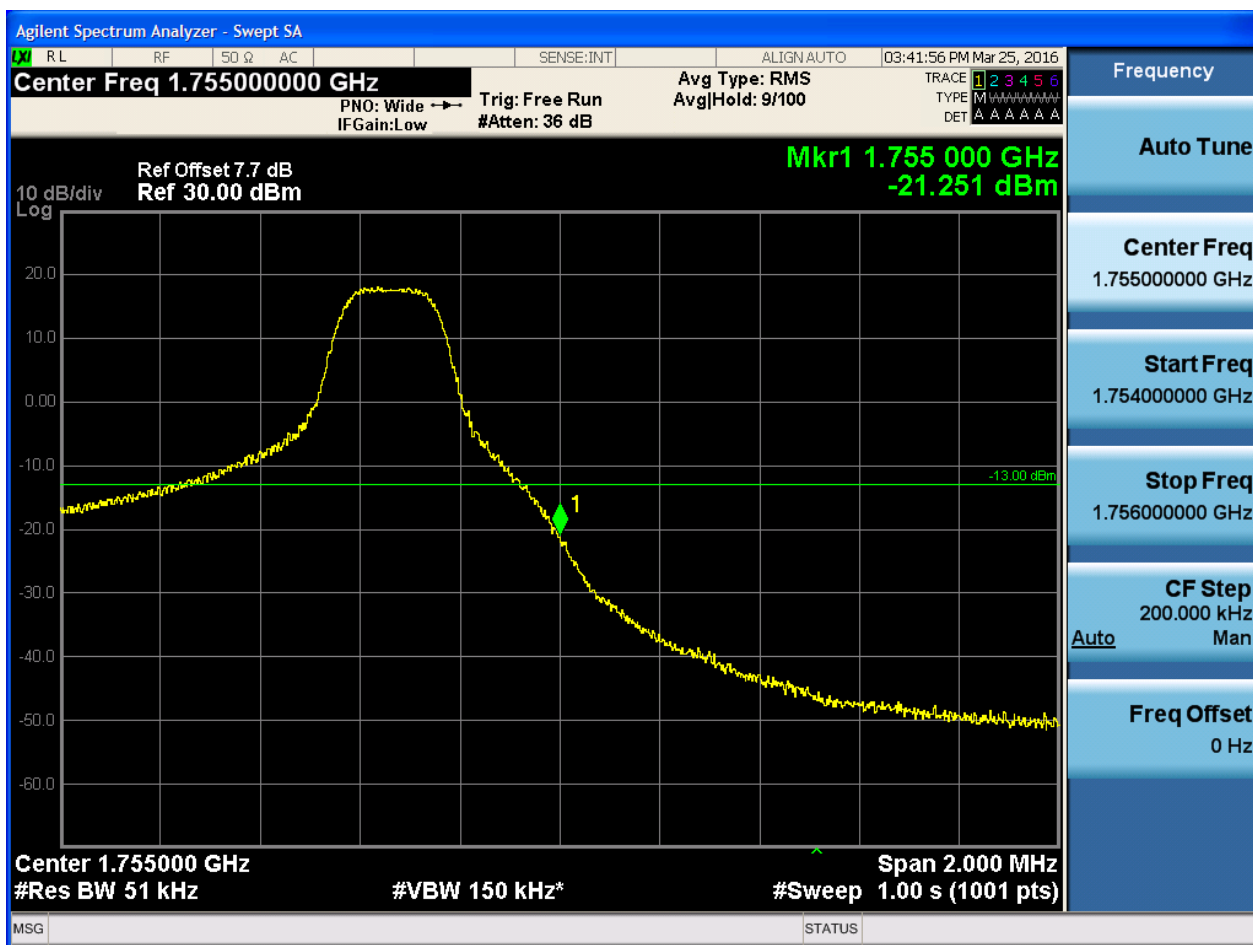
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





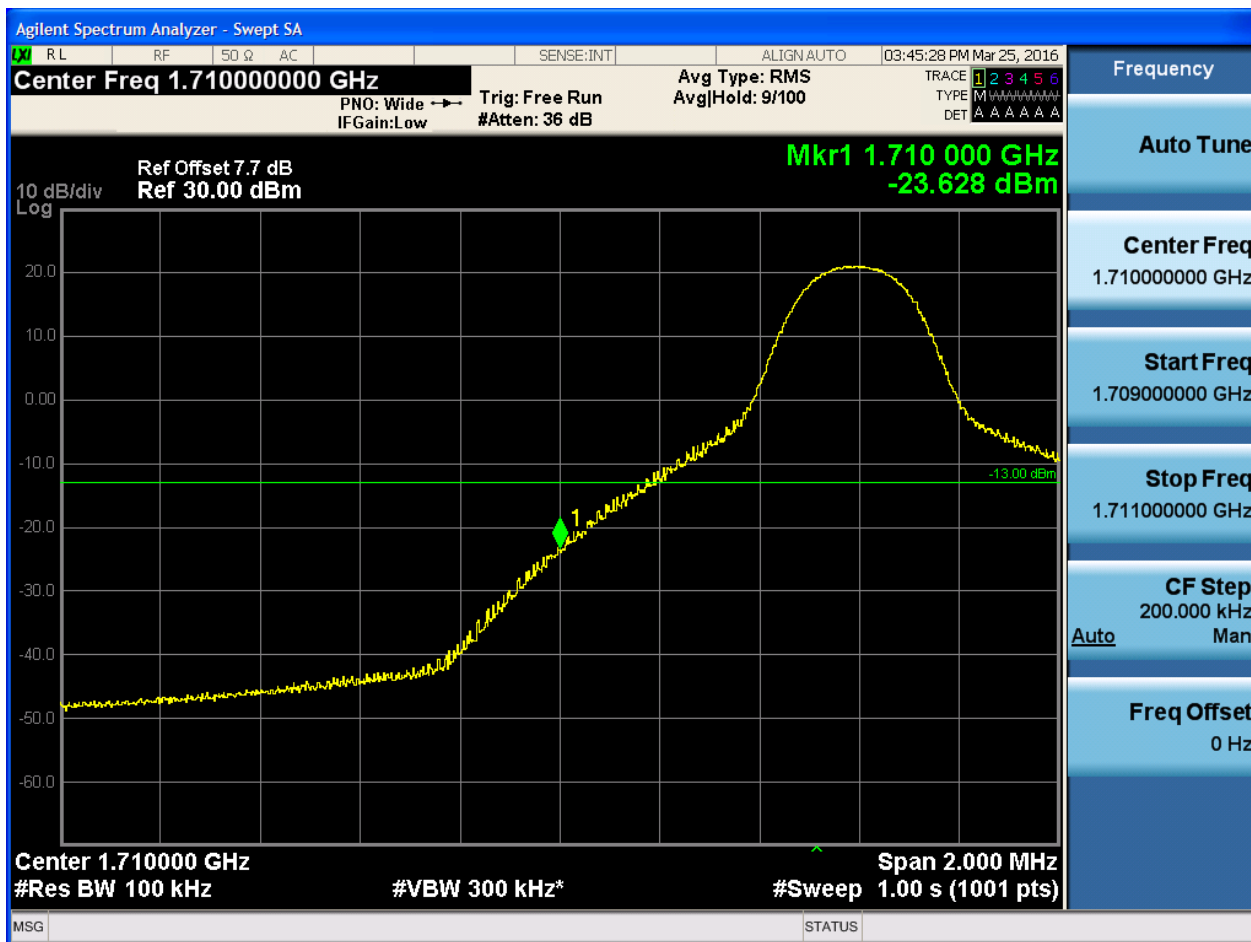
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

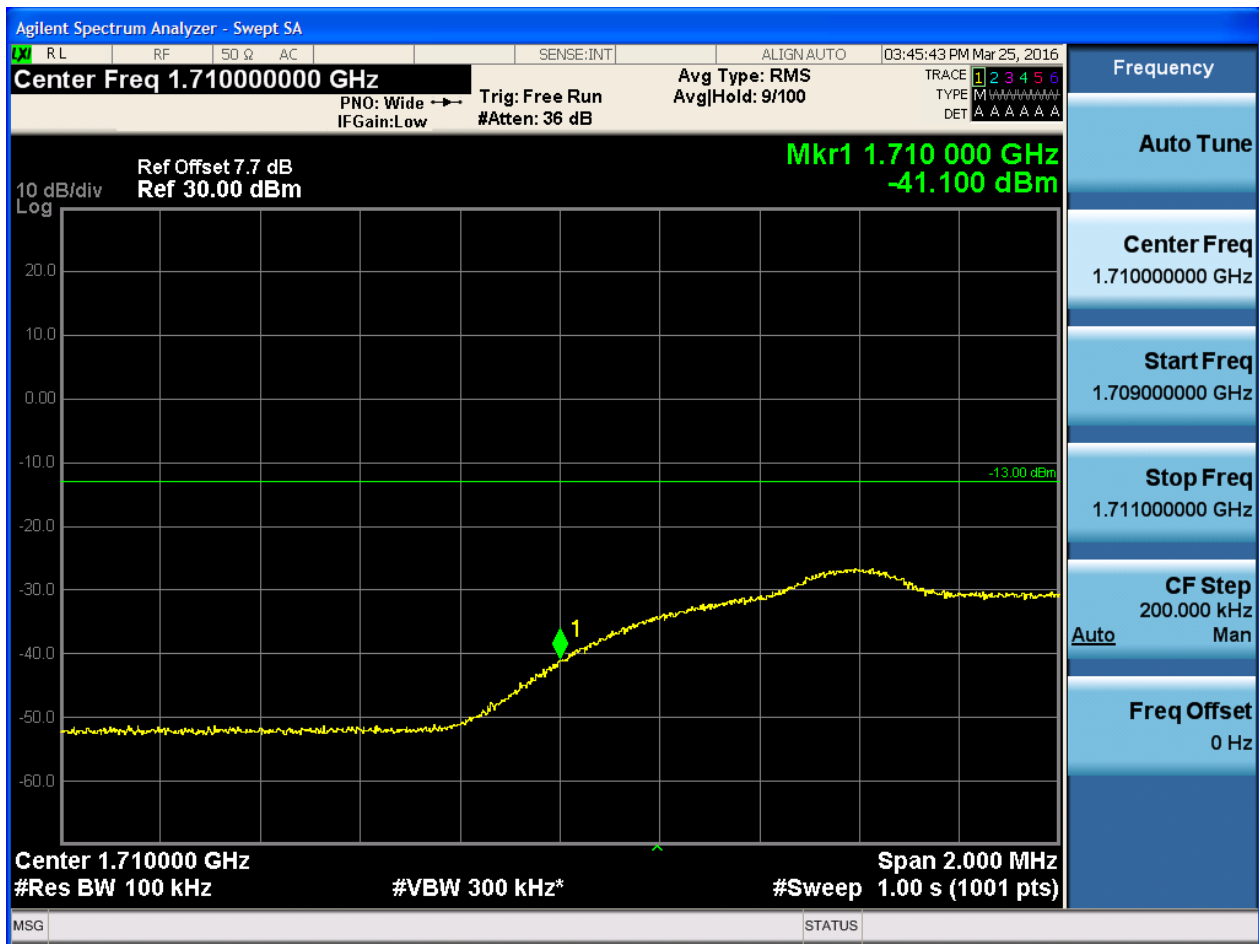
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



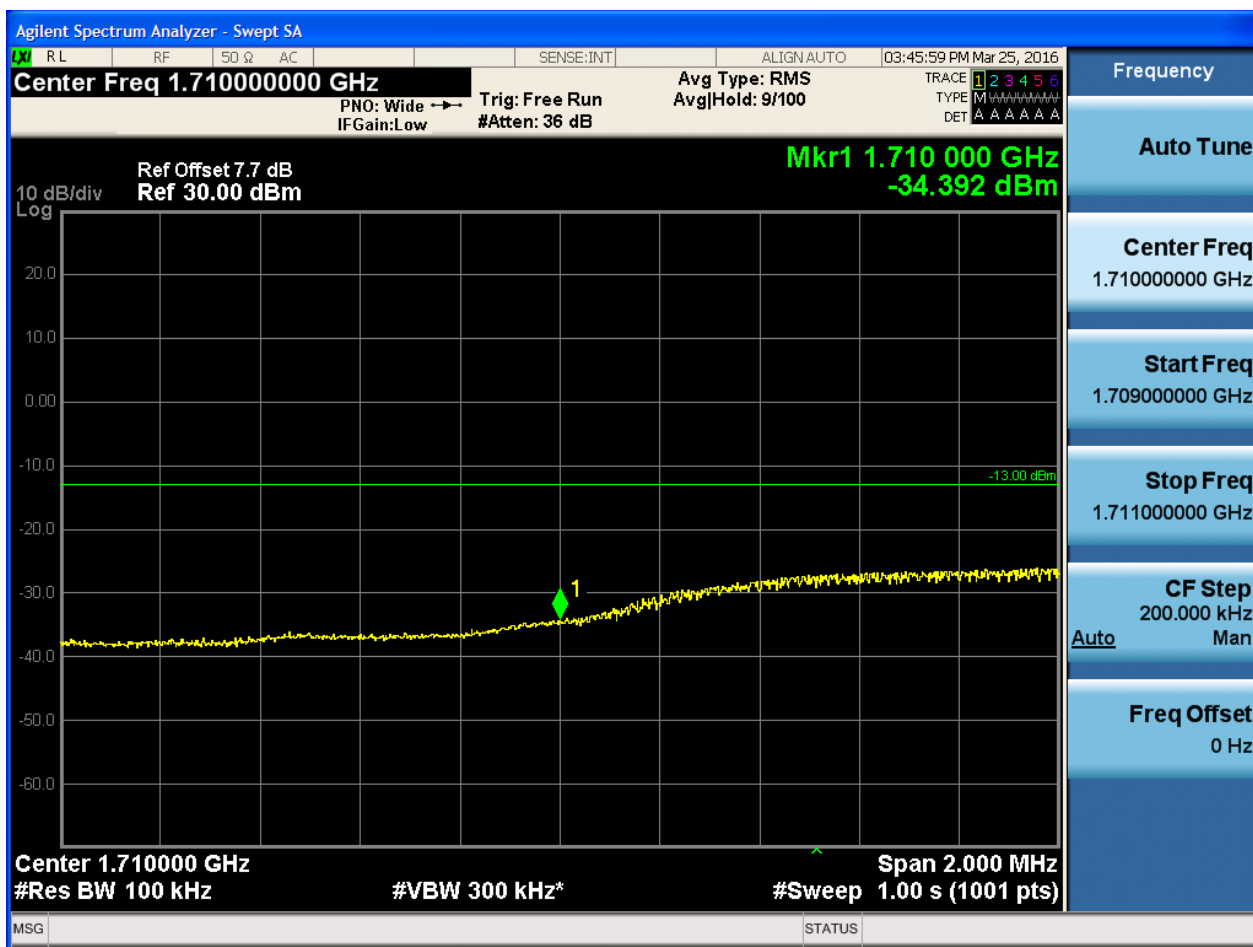


5.1.1.1.4.1.2 Test RB = RB1#49



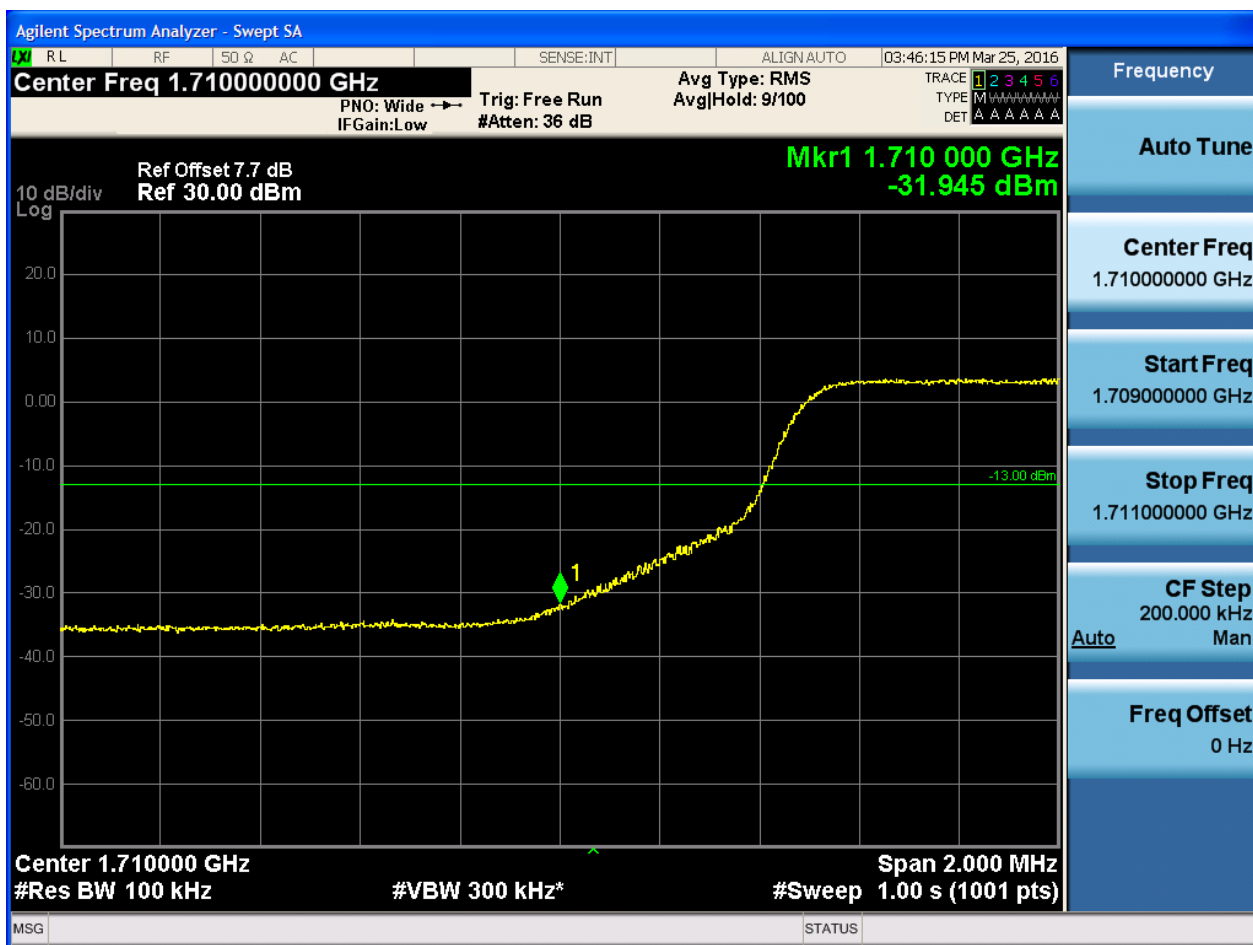


5.1.1.1.4.1.3 Test RB = RB25#13



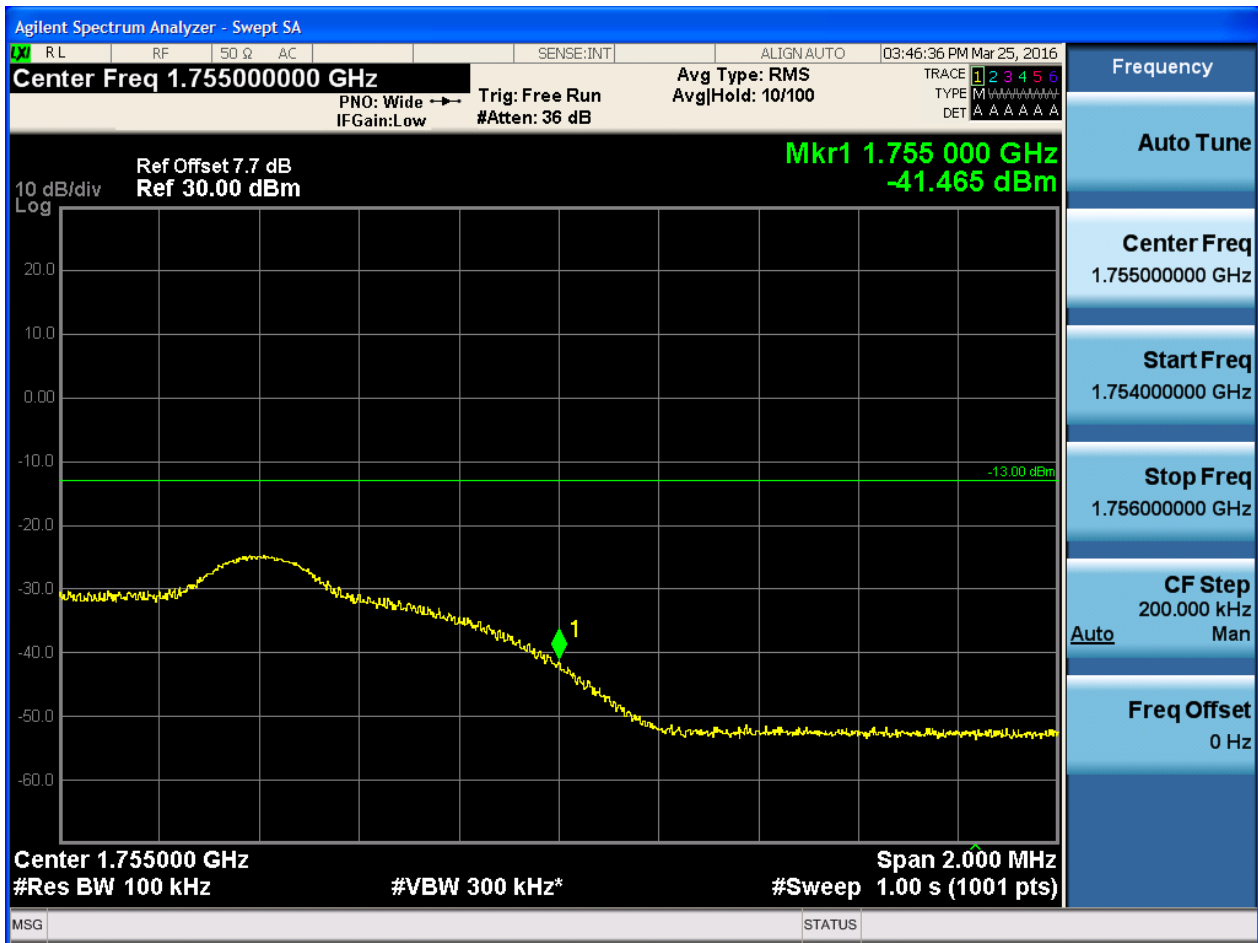


5.1.1.1.4.1.4 Test RB = RB50#0



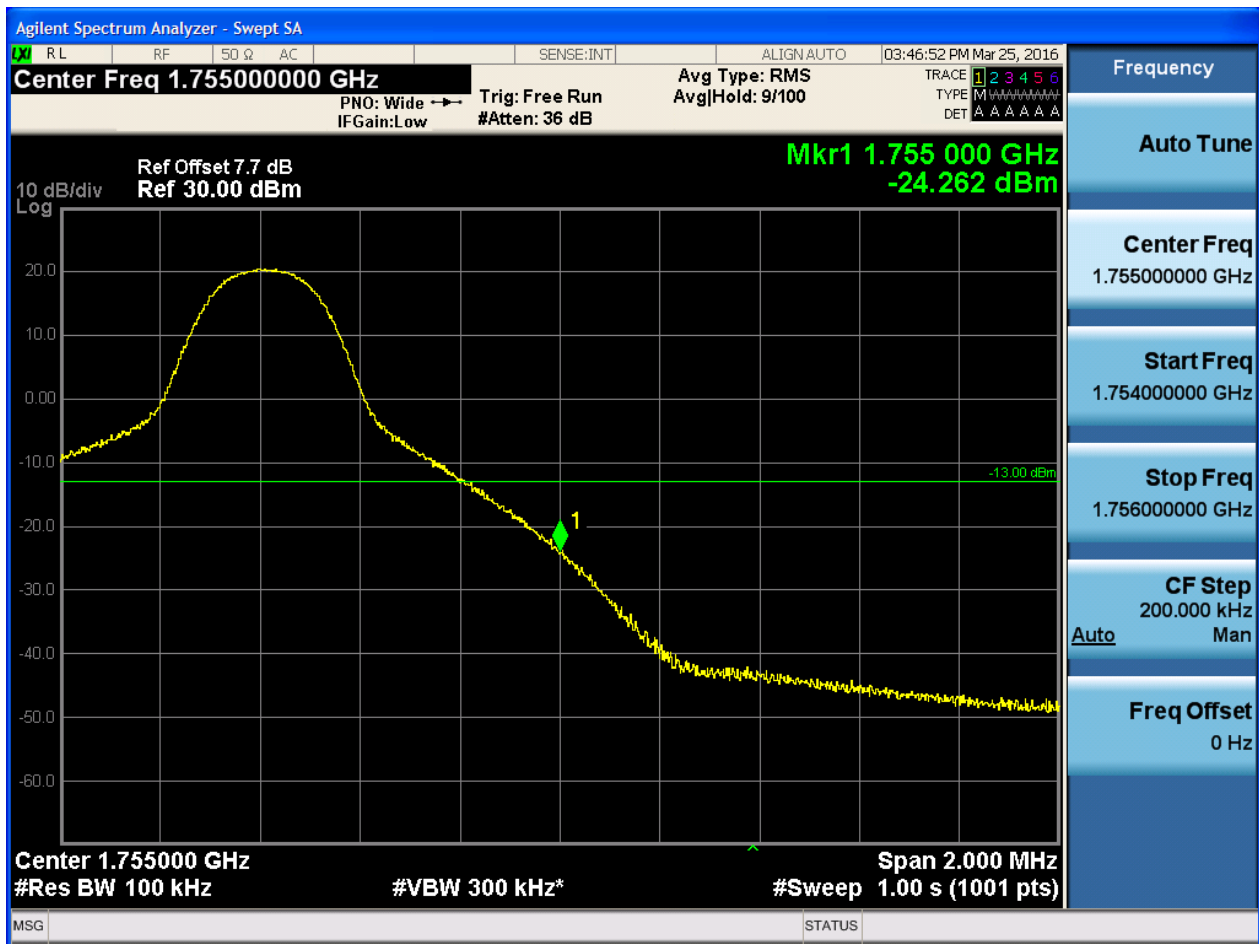


5.1.1.1.4.2.1 Test RB = RB1#0



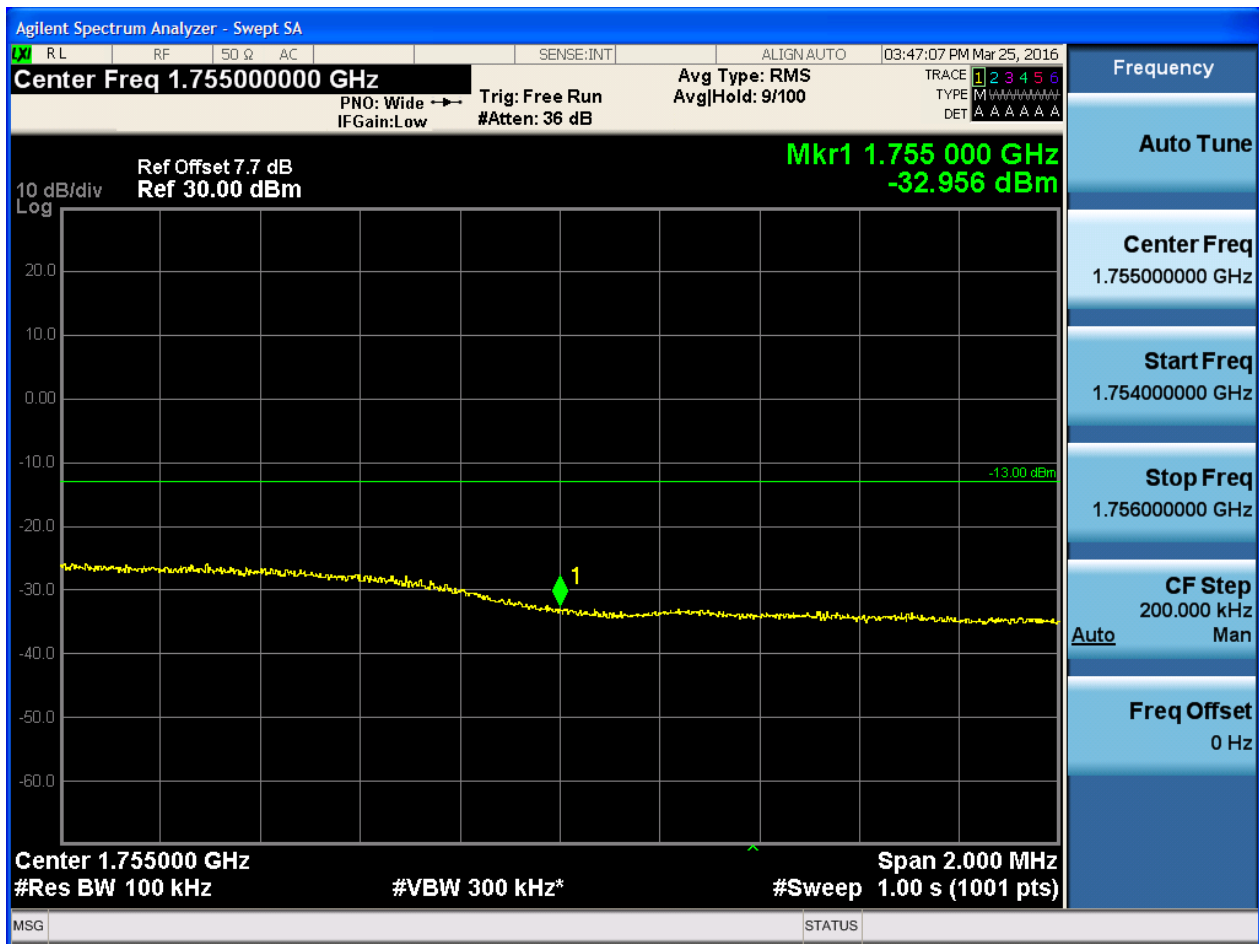


5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





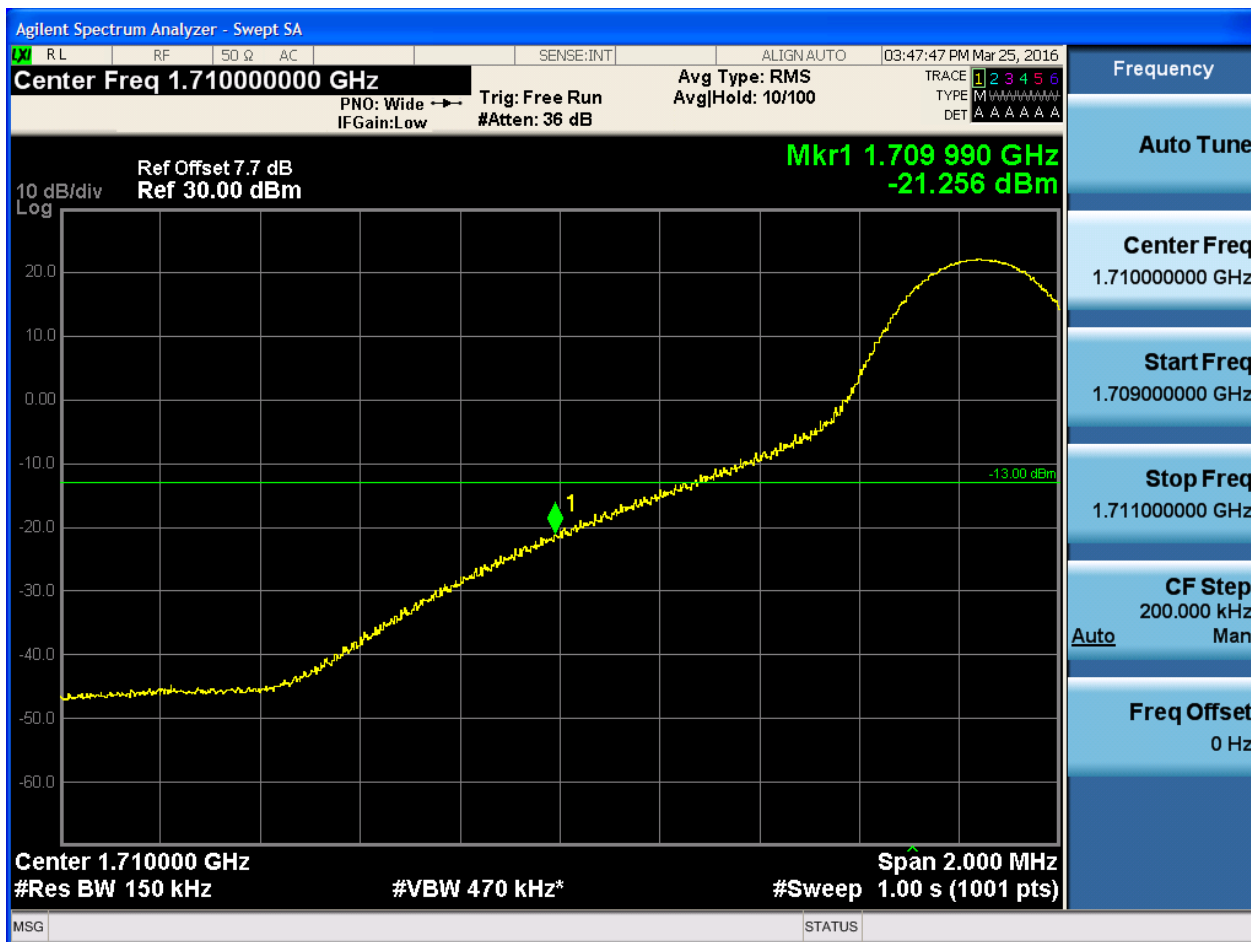
5.1.1.1.4.2.4 Test RB = RB50#0



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



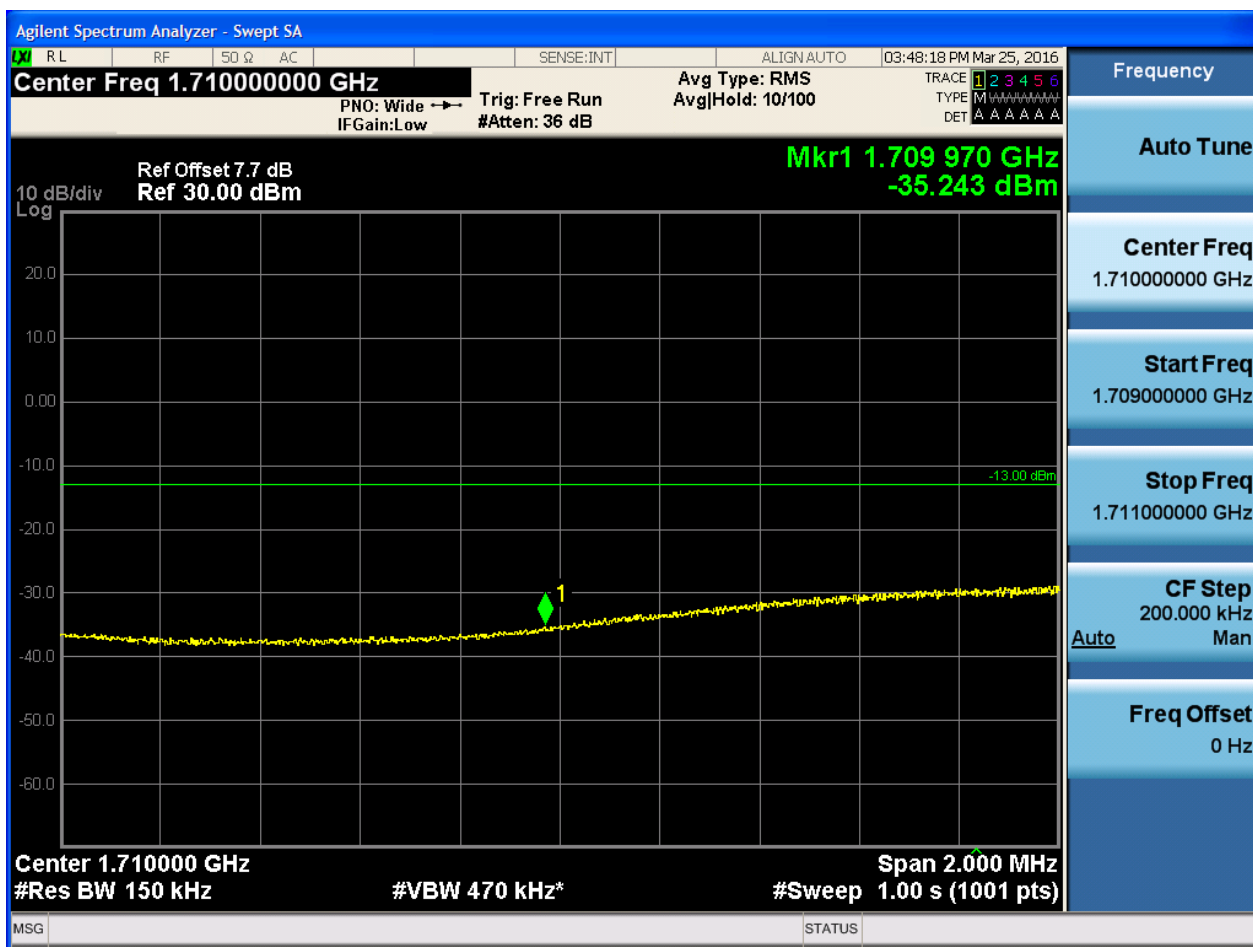


5.1.1.1.5.1.2 Test RB = RB1#74



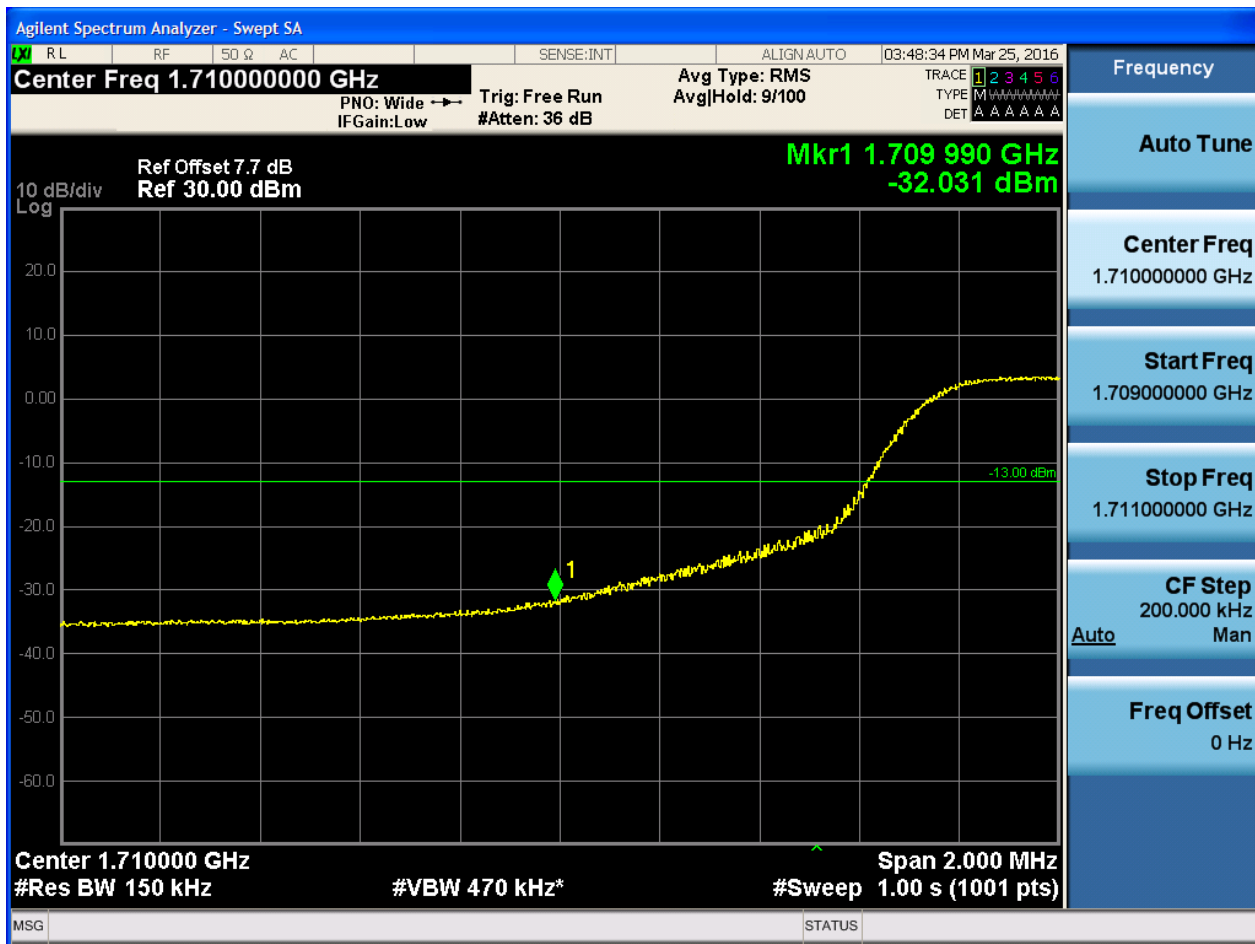


5.1.1.1.5.1.3 Test RB = RB38#19





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



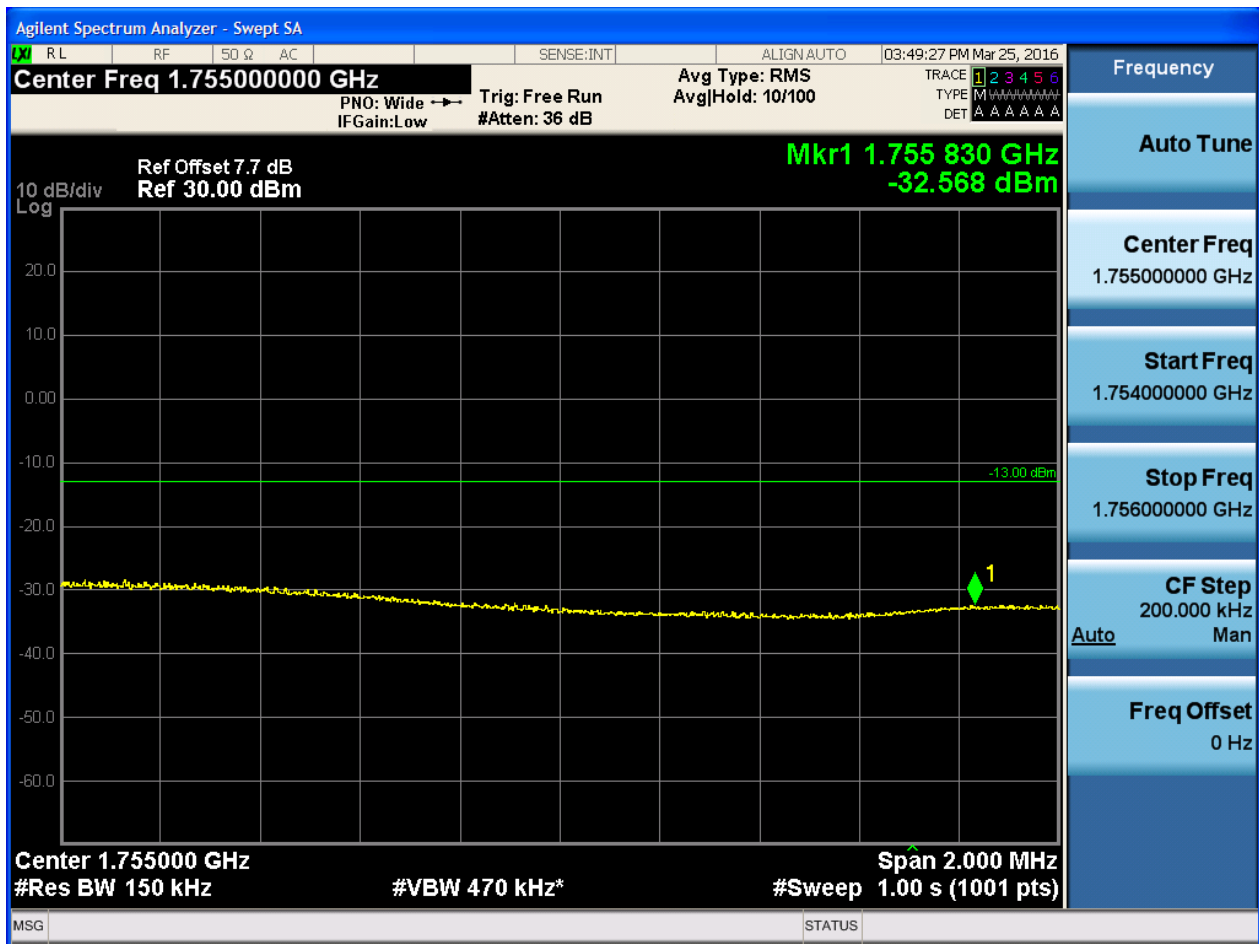


5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





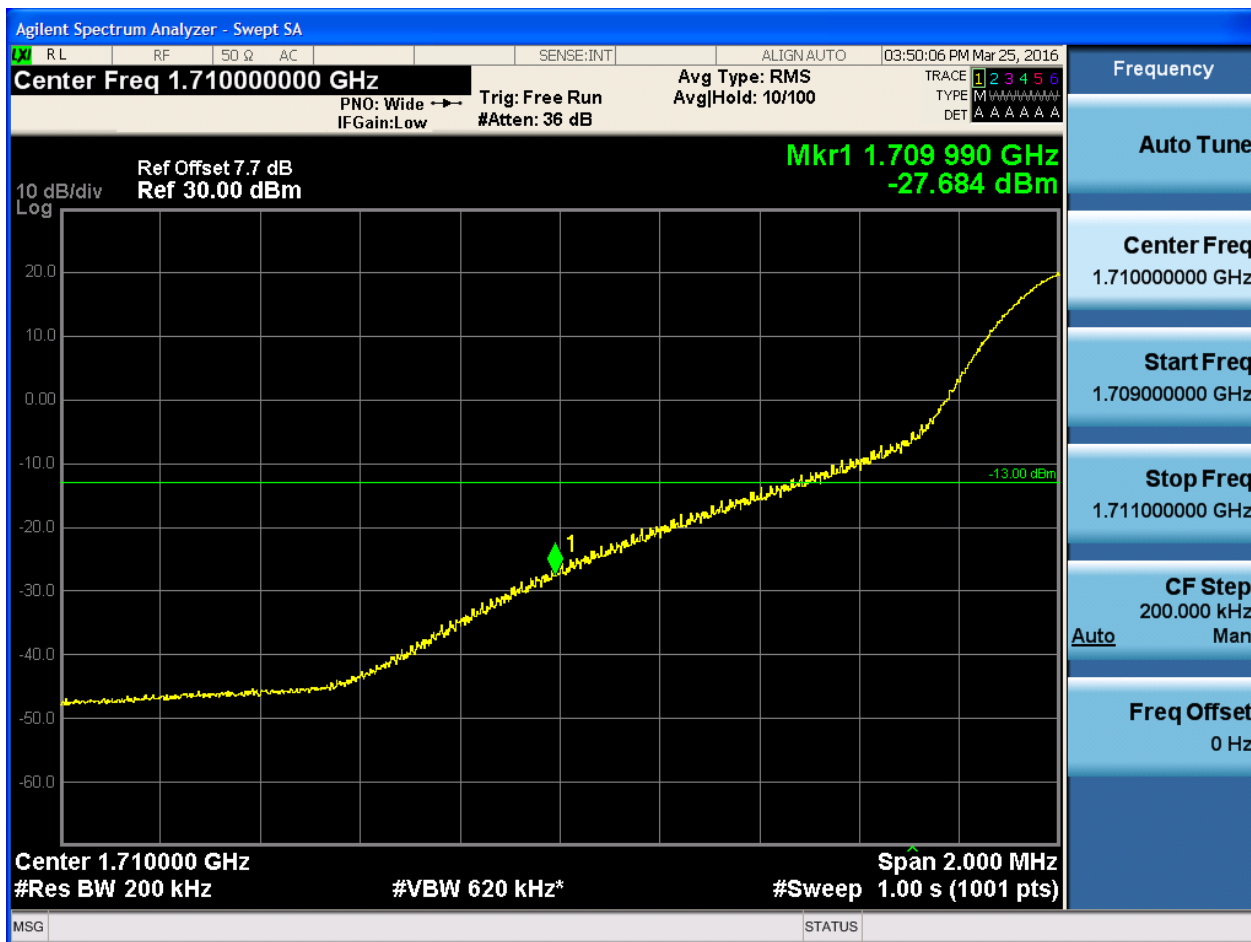
5.1.1.1.5.2.4 Test RB = RB75#0



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



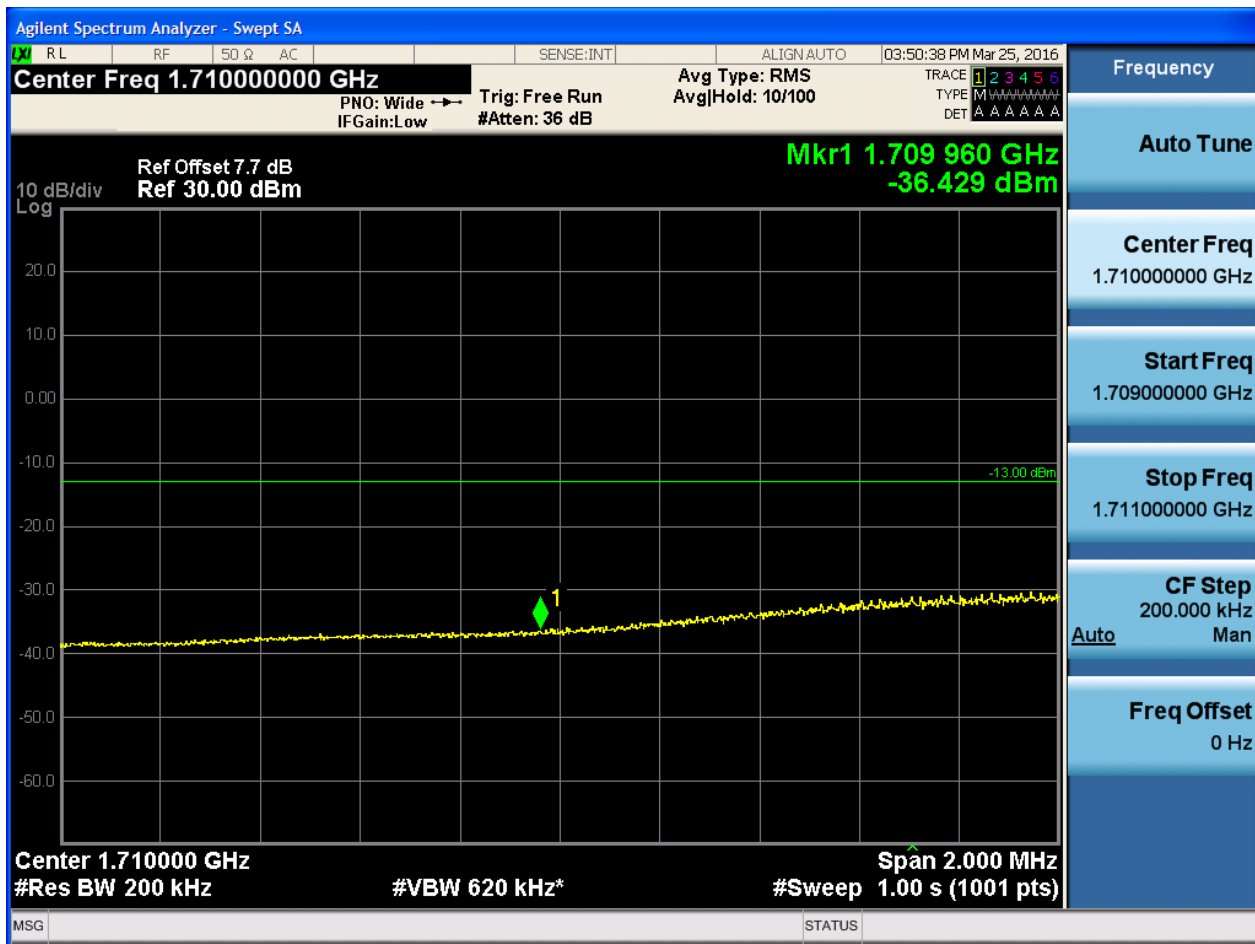


5.1.1.1.6.1.2 Test RB = RB1#99



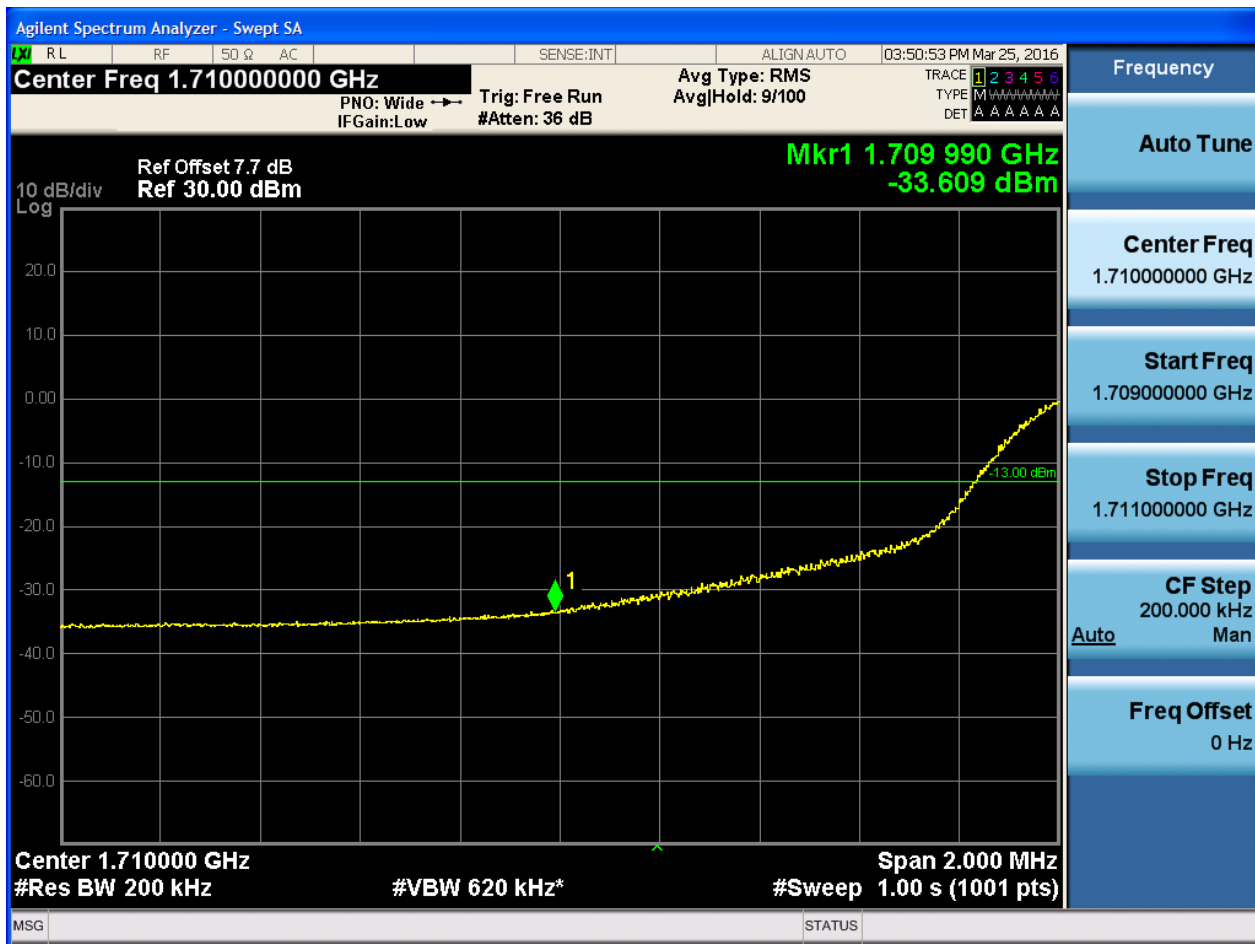


5.1.1.1.6.1.3 Test RB = RB50#25





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



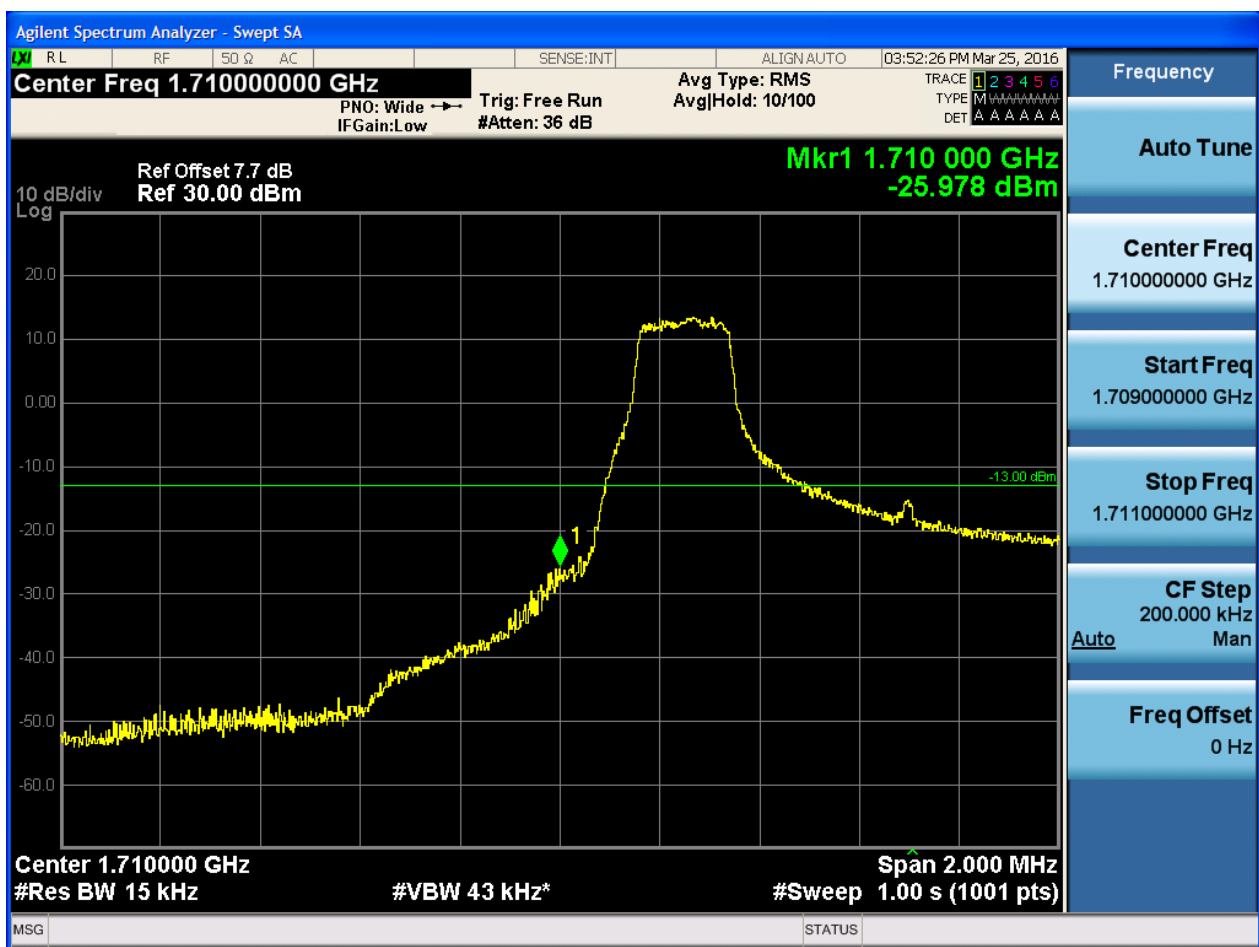


5.1.1.2 Test Mode = LTE/TM2

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



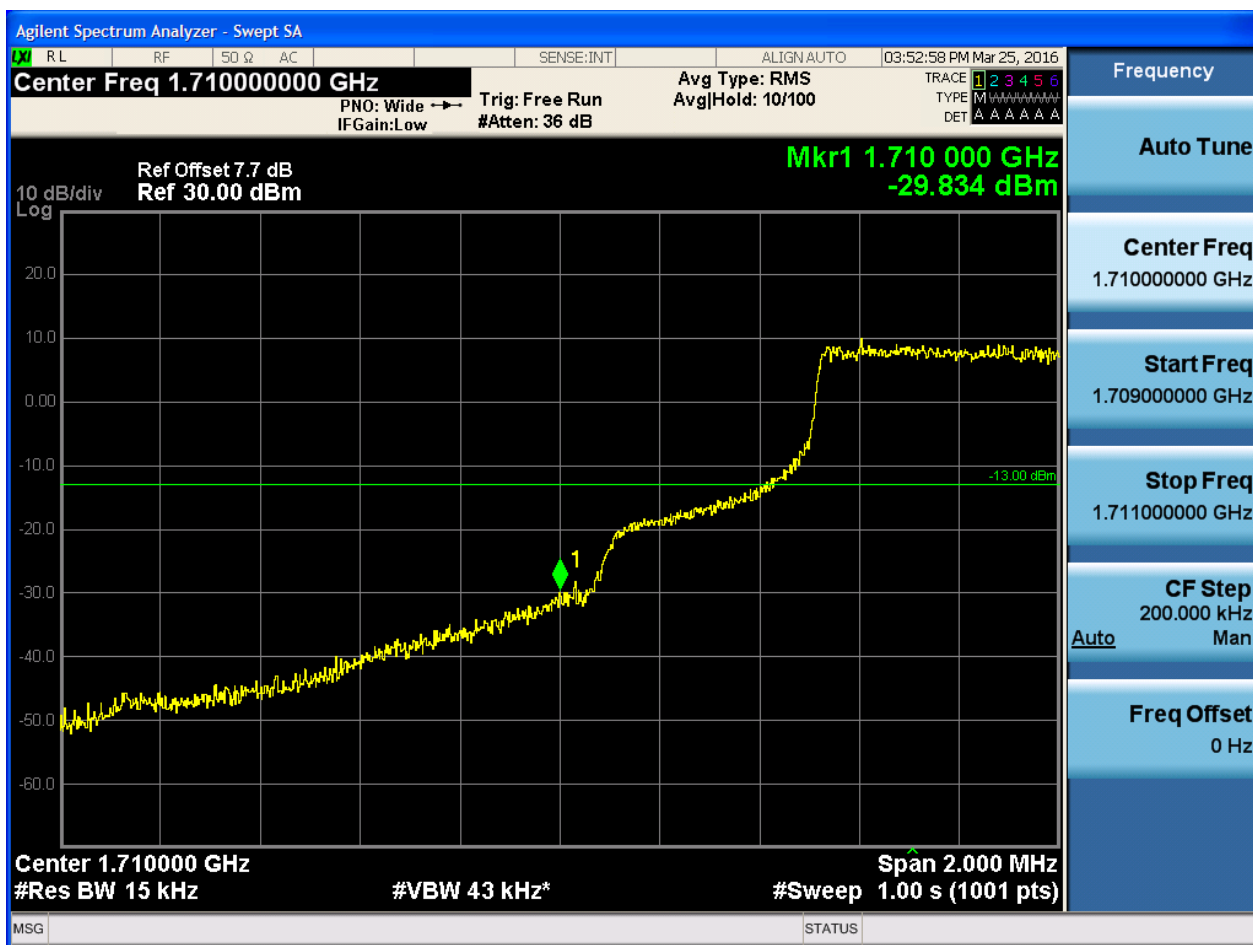


5.1.1.2.1.2 Test RB = RB1#5



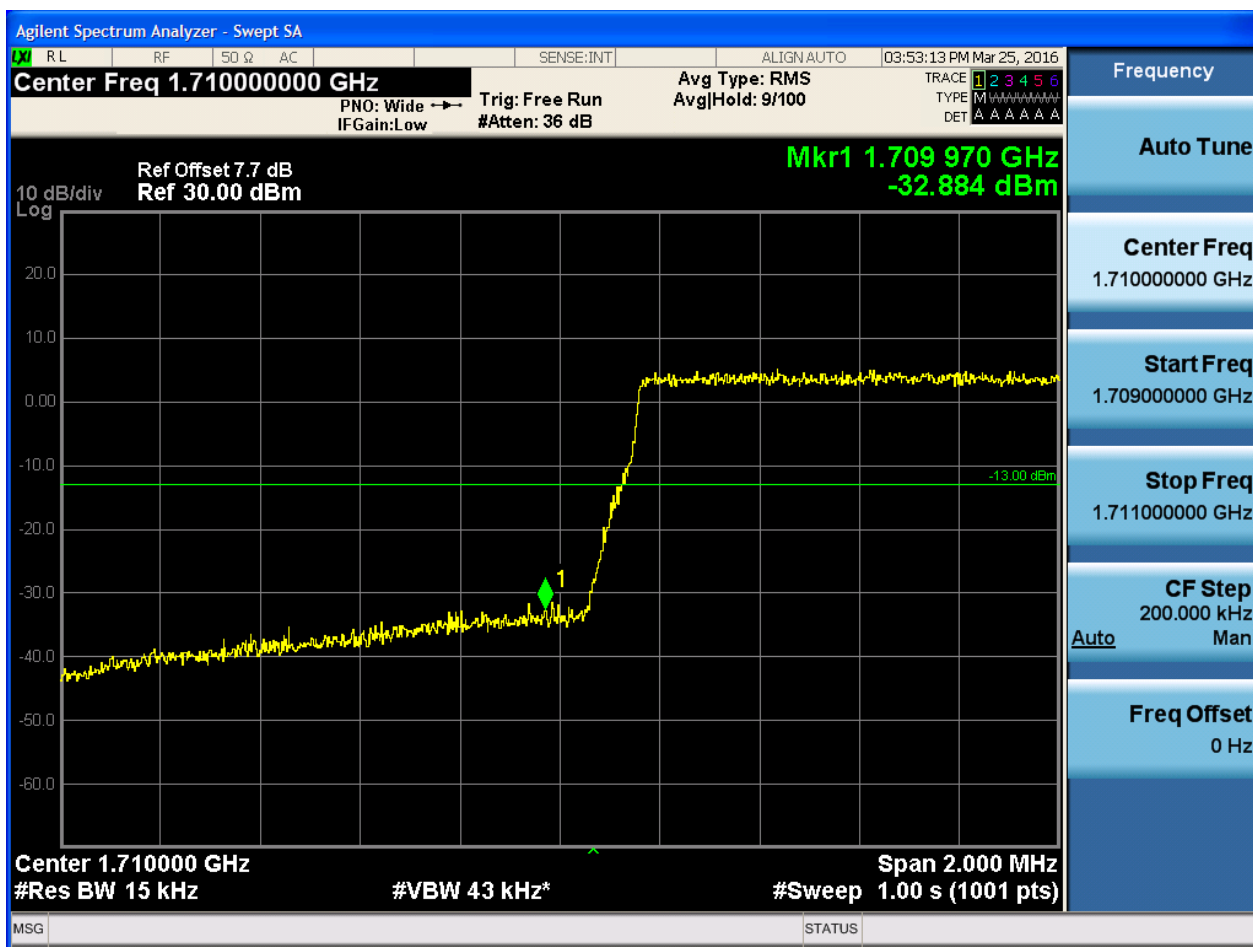


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





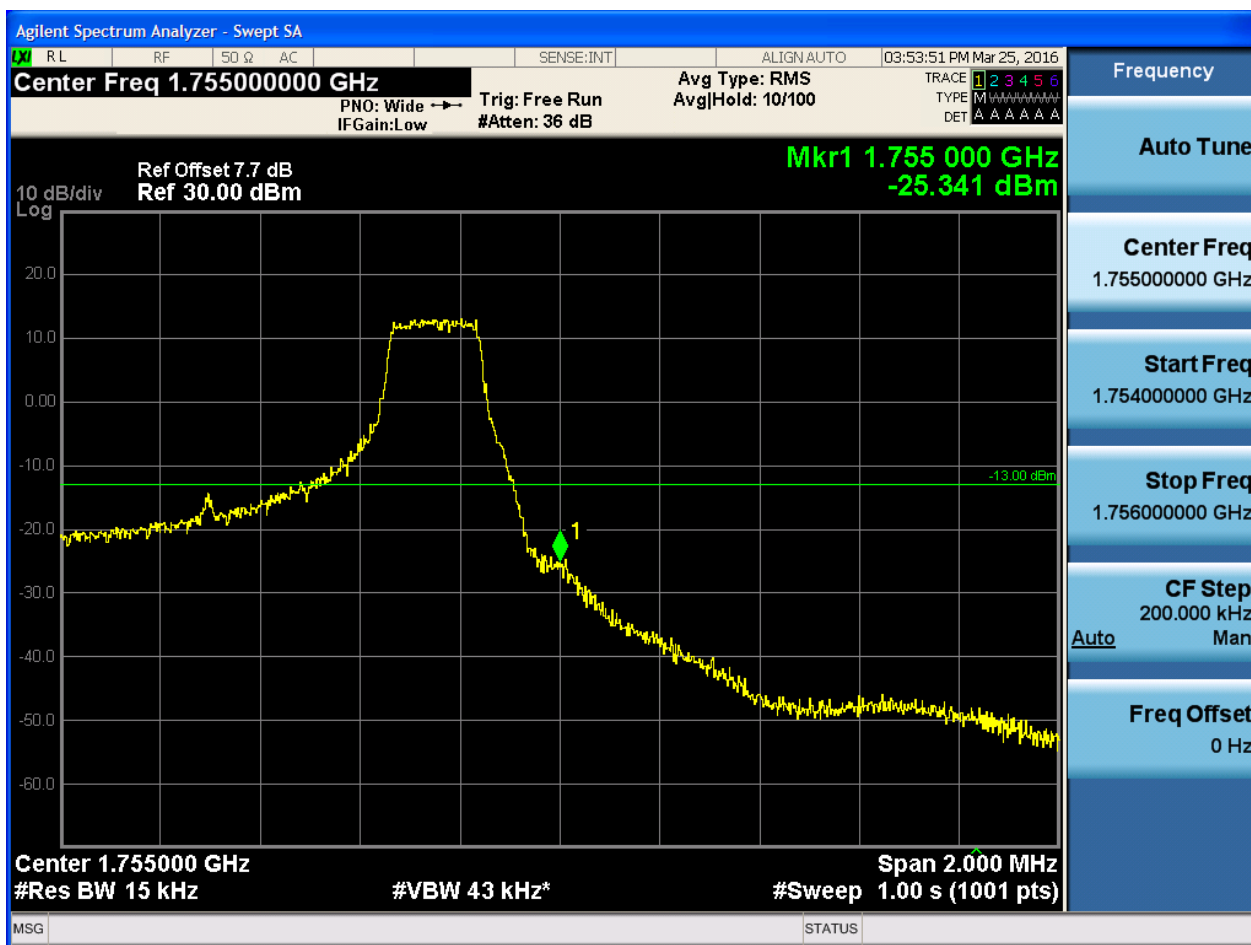
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.7 dB
Ref 30.00 dBm

10 dB/div
Log

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 A

Mkr1 1.755 080 GHz
-29.427 dBm

-13.00 dBm

Center 1.755000 GHz
#Res BW 15 kHz
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

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

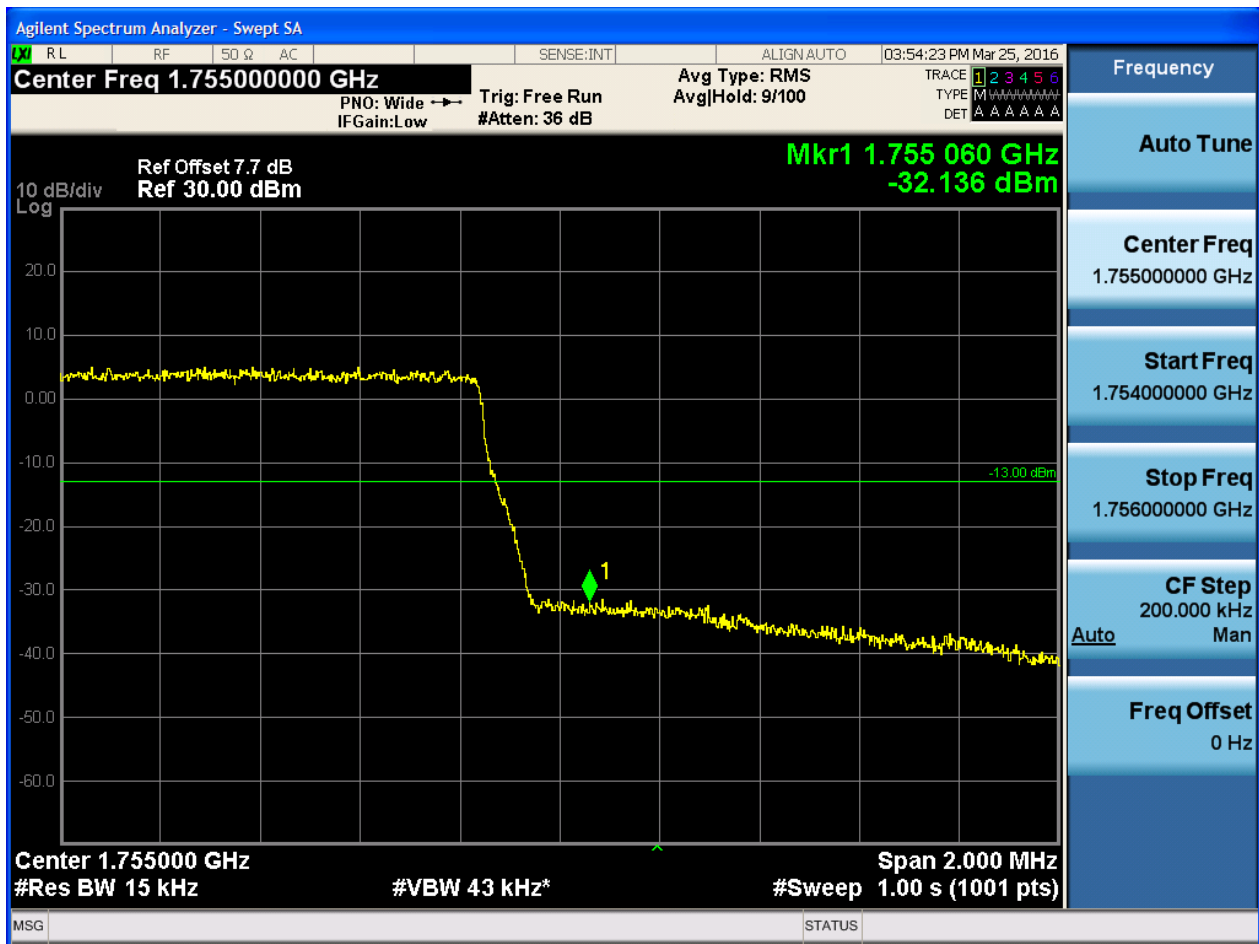
Freq Offset
0 Hz

MSG STATUS

The image shows a screenshot of an Agilent Spectrum Analyzer in a swept mode. The main display is a log-linear plot of power spectral density. The horizontal axis represents frequency, with a center frequency of 1.755000000 GHz and a span of 2.000 MHz. The vertical axis represents power in dBm, ranging from -60.0 to 20.0 dBm. A yellow trace shows a signal that is relatively flat around -13.00 dBm from 1.754 GHz to 1.755 GHz, then drops sharply to about -30 dBm at 1.755080 GHz, and continues to decrease with some noise. A green diamond marker labeled '1' is placed on the trace at the 1.755080 GHz mark. The right side of the screen contains a control panel with various settings: 'Auto Tune' is selected, 'Center Freq' is 1.755000000 GHz, 'Start Freq' is 1.754000000 GHz, 'Stop Freq' is 1.756000000 GHz, 'CF Step' is 200.000 kHz (Manual), and 'Freq Offset' is 0 Hz. The bottom status bar shows 'MSG' and 'STATUS'.



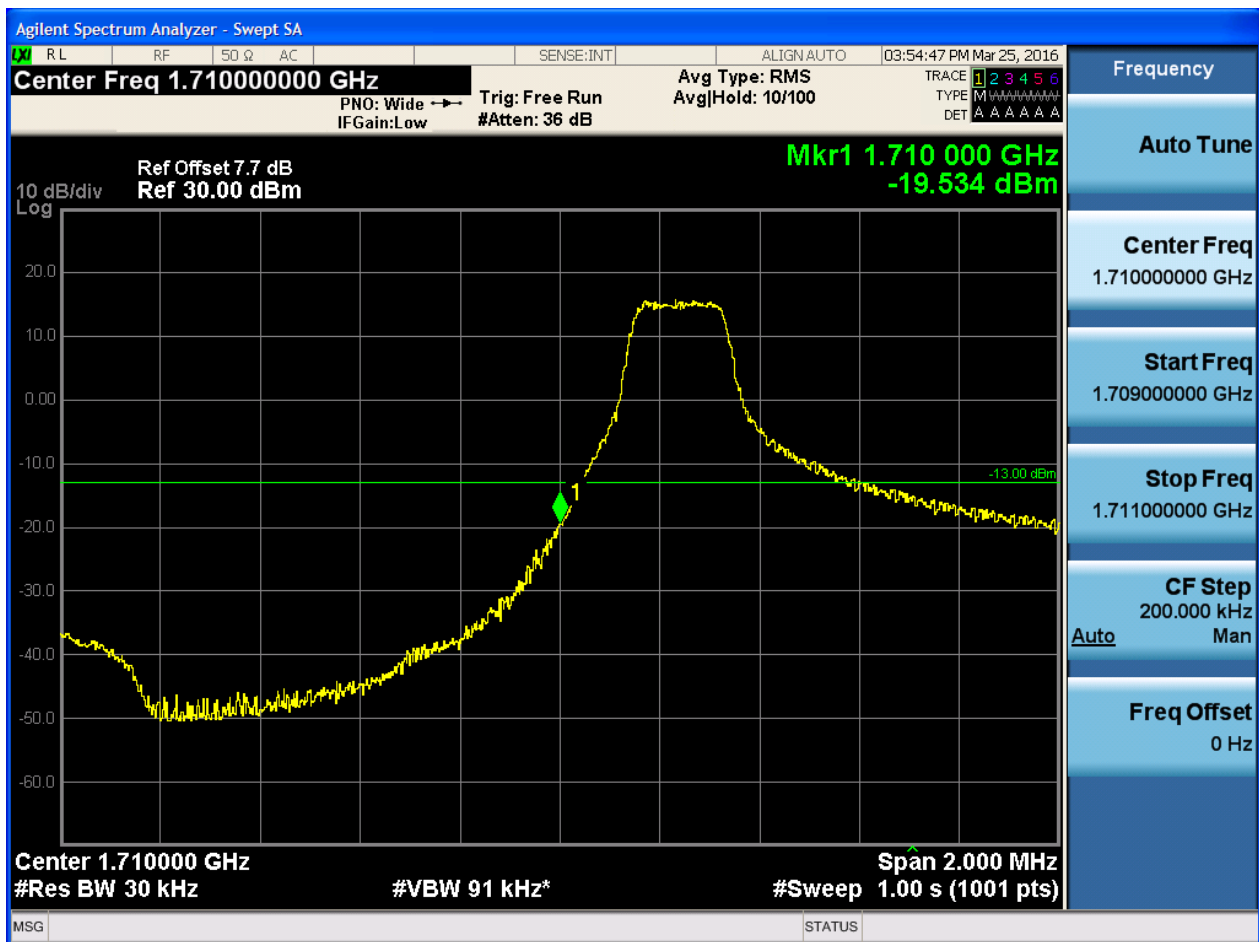
5.1.1.2.1.2.4 Test RB = RB6#0



5.1.1.2.2 Test Bandwidth = 3

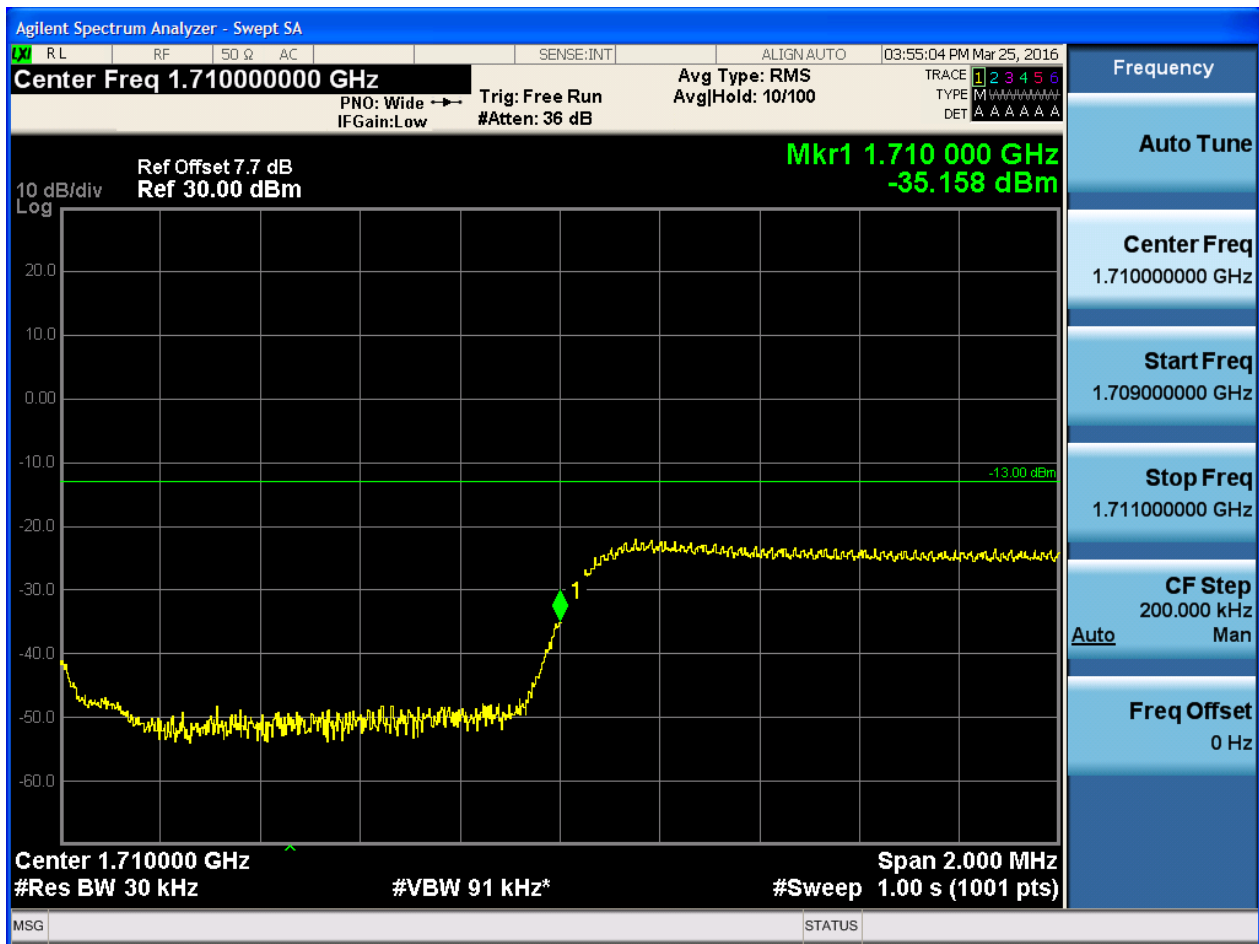
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14





5.1.1.2.2.1.3 Test RB = RB8#4

