



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	21.8	23.3	30	PASS
				RB1#3	22	23.5	30	PASS
				RB1#5	21.93	23.43	30	PASS
				RB3#0	21.9	23.4	30	PASS
				RB3#2	21.96	23.46	30	PASS
				RB3#3	21.95	23.45	30	PASS
			MCH	RB6#0	21.62	23.12	30	PASS
				RB1#0	21.92	23.42	30	PASS
				RB1#3	21.95	23.45	30	PASS
				RB1#5	21.88	23.38	30	PASS
				RB3#0	21.91	23.41	30	PASS
				RB3#2	21.9	23.4	30	PASS
				RB3#3	21.88	23.38	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.56	23.06	30	PASS
			HCH	RB1#0	22.04	23.54	30	PASS
				RB1#3	22.11	23.61	30	PASS
				RB1#5	22.04	23.54	30	PASS
				RB3#0	22.14	23.64	30	PASS
				RB3#2	22.09	23.59	30	PASS
				RB3#3	22.04	23.54	30	PASS
				RB6#0	21.83	23.33	30	PASS
		3	LCH	RB1#0	21.75	23.25	30	PASS
				RB1#7	22.13	23.63	30	PASS
				RB1#14	21.89	23.39	30	PASS
				RB8#0	21.65	23.15	30	PASS
				RB8#4	21.71	23.21	30	PASS
				RB8#7	21.67	23.17	30	PASS
				RB15#0	21.73	23.23	30	PASS
			MCH	RB1#0	21.86	23.36	30	PASS
				RB1#7	22.01	23.51	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.74	23.24	30	PASS
				RB8#0	21.57	23.07	30	PASS
				RB8#4	21.56	23.06	30	PASS
				RB8#7	21.5	23	30	PASS
				RB15#0	21.59	23.09	30	PASS
			HCH	RB1#0	22.07	23.57	30	PASS
				RB1#7	22.13	23.63	30	PASS
				RB1#14	21.83	23.33	30	PASS
				RB8#0	21.86	23.36	30	PASS
				RB8#4	21.81	23.31	30	PASS
				RB8#7	21.76	23.26	30	PASS
				RB15#0	21.78	23.28	30	PASS
		5	LCH	RB1#0	22.13	23.63	30	PASS
				RB1#13	22.66	24.16	30	PASS
				RB1#24	22.25	23.75	30	PASS
				RB12#0	22.3	23.8	30	PASS
				RB12#6	22.3	23.8	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	22.24	23.74	30	PASS
				RB25#0	22.29	23.79	30	PASS
			MCH	RB1#0	22.12	23.62	30	PASS
				RB1#13	22.35	23.85	30	PASS
				RB1#24	22.05	23.55	30	PASS
				RB12#0	22.06	23.56	30	PASS
				RB12#6	22.09	23.59	30	PASS
				RB12#13	21.94	23.44	30	PASS
				RB25#0	21.99	23.49	30	PASS
			HCH	RB1#0	22.54	24.04	30	PASS
				RB1#13	22.59	24.09	30	PASS
				RB1#24	22.1	23.6	30	PASS
				RB12#0	22.41	23.91	30	PASS
				RB12#6	22.36	23.86	30	PASS
				RB12#13	22.11	23.61	30	PASS
				RB25#0	22.29	23.79	30	PASS
		10	LCH	RB1#0	22.5	24	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.91	24.41	30	PASS
				RB1#49	22.49	23.99	30	PASS
				RB25#0	22.6	24.1	30	PASS
				RB25#13	22.57	24.07	30	PASS
				RB25#25	22.32	23.82	30	PASS
				RB50#0	22.44	23.94	30	PASS
			MCH	RB1#0	22.46	23.96	30	PASS
				RB1#25	22.75	24.25	30	PASS
				RB1#49	22.58	24.08	30	PASS
				RB25#0	22.23	23.73	30	PASS
				RB25#13	22.3	23.8	30	PASS
				RB25#25	22.27	23.77	30	PASS
				RB50#0	22.26	23.76	30	PASS
			HCH	RB1#0	22.74	24.24	30	PASS
				RB1#25	23.03	24.53	30	PASS
				RB1#49	22.47	23.97	30	PASS
				RB25#0	22.67	24.17	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.66	24.16	30	PASS
				RB25#25	22.52	24.02	30	PASS
				RB50#0	22.57	24.07	30	PASS
		15	LCH	RB1#0	22.24	23.74	30	PASS
				RB1#38	22.63	24.13	30	PASS
				RB1#74	22.17	23.67	30	PASS
				RB38#0	22.39	23.89	30	PASS
				RB38#19	22.27	23.77	30	PASS
				RB38#39	22.15	23.65	30	PASS
				RB75#0	22.35	23.85	30	PASS
			MCH	RB1#0	22.26	23.76	30	PASS
				RB1#38	22.41	23.91	30	PASS
				RB1#74	22.47	23.97	30	PASS
				RB38#0	22.11	23.61	30	PASS
				RB38#19	22.13	23.63	30	PASS
				RB38#39	22.2	23.7	30	PASS
				RB75#0	22.16	23.66	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.49	23.99	30	PASS
				RB1#38	22.86	24.36	30	PASS
				RB1#74	22.41	23.91	30	PASS
				RB38#0	22.42	23.92	30	PASS
				RB38#19	22.54	24.04	30	PASS
				RB38#39	22.44	23.94	30	PASS
				RB75#0	22.41	23.91	30	PASS
		20	LCH	RB1#0	22.36	23.86	30	PASS
				RB1#50	22.6	24.1	30	PASS
				RB1#99	22.12	23.62	30	PASS
				RB50#0	22.35	23.85	30	PASS
				RB50#25	22.34	23.84	30	PASS
				RB50#50	22.12	23.62	30	PASS
				RB100#0	22.28	23.78	30	PASS
			MCH	RB1#0	22.33	23.83	30	PASS
				RB1#50	22.42	23.92	30	PASS
				RB1#99	22.51	24.01	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	22.04	23.54	30	PASS
				RB50#25	22.12	23.62	30	PASS
				RB50#50	22.17	23.67	30	PASS
				RB100#0	22.12	23.62	30	PASS
			HCH	RB1#0	22.36	23.86	30	PASS
				RB1#50	22.79	24.29	30	PASS
				RB1#99	22.35	23.85	30	PASS
				RB50#0	22.36	23.86	30	PASS
				RB50#25	22.4	23.9	30	PASS
				RB50#50	22.41	23.91	30	PASS
				RB100#0	22.32	23.82	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.65	23.15	30	PASS
				RB1#3	21.8	23.3	30	PASS
				RB1#5	21.73	23.23	30	PASS
				RB3#0	21.76	23.26	30	PASS
				RB3#2	21.69	23.19	30	PASS
				RB3#3	21.67	23.17	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	20.88	22.38	30	PASS
			MCH	RB1#0	21.4	22.9	30	PASS
				RB1#3	21.58	23.08	30	PASS
				RB1#5	21.38	22.88	30	PASS
				RB3#0	21.5	23	30	PASS
				RB3#2	21.63	23.13	30	PASS
				RB3#3	21.59	23.09	30	PASS
				RB6#0	20.77	22.27	30	PASS
			HCH	RB1#0	21.87	23.37	30	PASS
				RB1#3	21.95	23.45	30	PASS
				RB1#5	21.74	23.24	30	PASS
				RB3#0	21.8	23.3	30	PASS
				RB3#2	21.77	23.27	30	PASS
				RB3#3	21.69	23.19	30	PASS
				RB6#0	20.9	22.4	30	PASS
		3	LCH	RB1#0	21.54	23.04	30	PASS
				RB1#7	21.88	23.38	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.63	23.13	30	PASS
				RB8#0	20.83	22.33	30	PASS
				RB8#4	20.94	22.44	30	PASS
				RB8#7	20.89	22.39	30	PASS
				RB15#0	20.89	22.39	30	PASS
			MCH	RB1#0	21.5	23	30	PASS
				RB1#7	21.68	23.18	30	PASS
				RB1#14	21.38	22.88	30	PASS
				RB8#0	20.72	22.22	30	PASS
				RB8#4	20.72	22.22	30	PASS
				RB8#7	20.66	22.16	30	PASS
				RB15#0	20.7	22.2	30	PASS
			HCH	RB1#0	21.92	23.42	30	PASS
				RB1#7	21.84	23.34	30	PASS
				RB1#14	21.71	23.21	30	PASS
				RB8#0	21.07	22.57	30	PASS
				RB8#4	20.99	22.49	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	20.86	22.36	30	PASS
				RB15#0	21.02	22.52	30	PASS
		5	LCH	RB1#0	21.94	23.44	30	PASS
				RB1#13	22.3	23.8	30	PASS
				RB1#24	21.98	23.48	30	PASS
				RB12#0	21.36	22.86	30	PASS
				RB12#6	21.41	22.91	30	PASS
				RB12#13	21.32	22.82	30	PASS
				RB25#0	21.29	22.79	30	PASS
			MCH	RB1#0	21.92	23.42	30	PASS
				RB1#13	22.21	23.71	30	PASS
				RB1#24	21.87	23.37	30	PASS
				RB12#0	21.23	22.73	30	PASS
				RB12#6	21.27	22.77	30	PASS
				RB12#13	21.12	22.62	30	PASS
				RB25#0	21.08	22.58	30	PASS
			HCH	RB1#0	22.25	23.75	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.31	23.81	30	PASS
				RB1#24	21.83	23.33	30	PASS
				RB12#0	21.55	23.05	30	PASS
				RB12#6	21.49	22.99	30	PASS
				RB12#13	21.25	22.75	30	PASS
				RB25#0	21.44	22.94	30	PASS
		10	LCH	RB1#0	22.17	23.67	30	PASS
				RB1#25	22.58	24.08	30	PASS
				RB1#49	22.15	23.65	30	PASS
				RB25#0	21.66	23.16	30	PASS
				RB25#13	21.68	23.18	30	PASS
				RB25#25	21.45	22.95	30	PASS
				RB50#0	21.51	23.01	30	PASS
			MCH	RB1#0	22.17	23.67	30	PASS
				RB1#25	22.33	23.83	30	PASS
				RB1#49	22.17	23.67	30	PASS
				RB25#0	21.3	22.8	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.36	22.86	30	PASS
				RB25#25	21.34	22.84	30	PASS
				RB50#0	21.33	22.83	30	PASS
			HCH	RB1#0	22.54	24.04	30	PASS
				RB1#25	22.8	24.3	30	PASS
				RB1#49	22.28	23.78	30	PASS
				RB25#0	21.74	23.24	30	PASS
				RB25#13	21.72	23.22	30	PASS
				RB25#25	21.6	23.1	30	PASS
				RB50#0	21.67	23.17	30	PASS
		15	LCH	RB1#0	21.88	23.38	30	PASS
				RB1#38	22.18	23.68	30	PASS
				RB1#74	21.8	23.3	30	PASS
				RB38#0	21.47	22.97	30	PASS
				RB38#19	21.35	22.85	30	PASS
				RB38#39	21.23	22.73	30	PASS
				RB75#0	21.43	22.93	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.08	23.58	30	PASS
				RB1#38	22.31	23.81	30	PASS
				RB1#74	22.33	23.83	30	PASS
				RB38#0	21.2	22.7	30	PASS
				RB38#19	21.23	22.73	30	PASS
				RB38#39	21.3	22.8	30	PASS
				RB75#0	21.28	22.78	30	PASS
			HCH	RB1#0	22.21	23.71	30	PASS
				RB1#38	22.57	24.07	30	PASS
				RB1#74	22.15	23.65	30	PASS
				RB38#0	21.46	22.96	30	PASS
				RB38#19	21.57	23.07	30	PASS
				RB38#39	21.48	22.98	30	PASS
				RB75#0	21.47	22.97	30	PASS
		20	LCH	RB1#0	22.39	23.89	30	PASS
				RB1#50	22.63	24.13	30	PASS
				RB1#99	22.14	23.64	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.4	22.9	30	PASS
				RB50#25	21.36	22.86	30	PASS
				RB50#50	21.21	22.71	30	PASS
				RB100#0	21.31	22.81	30	PASS
			MCH	RB1#0	22.02	23.52	30	PASS
				RB1#50	22.12	23.62	30	PASS
				RB1#99	22.18	23.68	30	PASS
				RB50#0	21.14	22.64	30	PASS
				RB50#25	21.2	22.7	30	PASS
				RB50#50	21.21	22.71	30	PASS
				RB100#0	21.18	22.68	30	PASS
			HCH	RB1#0	22.06	23.56	30	PASS
				RB1#50	22.47	23.97	30	PASS
				RB1#99	22.04	23.54	30	PASS
				RB50#0	21.46	22.96	30	PASS
				RB50#25	21.52	23.02	30	PASS
				RB50#50	21.51	23.01	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.43	22.93	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:

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

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

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

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	4.46	13	PASS
				RB1#3	4.36	13	PASS
				RB1#5	4.83	13	PASS
				RB3#0	5.17	13	PASS
				RB3#2	5.02	13	PASS
				RB3#3	5.13	13	PASS
				RB6#0	5.25	13	PASS
			MCH	RB1#0	4.97	13	PASS
				RB1#3	4.85	13	PASS
				RB1#5	5.04	13	PASS
				RB3#0	5.35	13	PASS
				RB3#2	5.28	13	PASS
				RB3#3	5.38	13	PASS
				RB6#0	5.44	13	PASS
			HCH	RB1#0	4.8	13	PASS
				RB1#3	4.69	13	PASS
				RB1#5	4.76	13	PASS
				RB3#0	5.28	13	PASS
				RB3#2	5.06	13	PASS
				RB3#3	5.3	13	PASS
				RB6#0	5.29	13	PASS
		3	LCH	RB1#0	4.64	13	PASS
				RB1#7	4.71	13	PASS
				RB1#14	4.98	13	PASS
				RB8#0	5.2	13	PASS
				RB8#4	4.96	13	PASS
				RB8#7	5.12	13	PASS
				RB15#0	5.49	13	PASS
			MCH	RB1#0	4.95	13	PASS
				RB1#7	4.8	13	PASS
				RB1#14	5.01	13	PASS
				RB8#0	5.28	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	5.32	13	PASS
				RB8#7	5.47	13	PASS
				RB15#0	5.46	13	PASS
			HCH	RB1#0	4.97	13	PASS
				RB1#7	4.89	13	PASS
				RB1#14	5.2	13	PASS
				RB8#0	5.14	13	PASS
				RB8#4	5.08	13	PASS
				RB8#7	5.15	13	PASS
				RB15#0	5.55	13	PASS
		5	LCH	RB1#0	4.8	13	PASS
				RB1#13	4.5	13	PASS
				RB1#24	4.86	13	PASS
				RB12#0	5.09	13	PASS
				RB12#6	4.89	13	PASS
				RB12#13	5.23	13	PASS
				RB25#0	5.48	13	PASS
			MCH	RB1#0	4.94	13	PASS
				RB1#13	4.8	13	PASS
				RB1#24	4.95	13	PASS
				RB12#0	5.14	13	PASS
				RB12#6	5.01	13	PASS
				RB12#13	5.29	13	PASS
				RB25#0	5.44	13	PASS
			HCH	RB1#0	4.77	13	PASS
				RB1#13	4.57	13	PASS
				RB1#24	4.95	13	PASS
				RB12#0	4.96	13	PASS
				RB12#6	4.86	13	PASS
				RB12#13	5.11	13	PASS
				RB25#0	5.55	13	PASS
		10	LCH	RB1#0	4.58	13	PASS
				RB1#25	4.32	13	PASS
				RB1#49	4.57	13	PASS
				RB25#0	5	13	PASS
				RB25#13	4.9	13	PASS
				RB25#25	5.03	13	PASS
				RB50#0	5.55	13	PASS
			MCH	RB1#0	4.62	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.62	13	PASS
				RB1#49	4.61	13	PASS
				RB25#0	5.42	13	PASS
				RB25#13	5.39	13	PASS
				RB25#25	5.45	13	PASS
				RB50#0	5.83	13	PASS
			HCH	RB1#0	4.68	13	PASS
				RB1#25	4.27	13	PASS
				RB1#49	4.65	13	PASS
				RB25#0	4.88	13	PASS
				RB25#13	4.79	13	PASS
				RB25#25	5.04	13	PASS
				RB50#0	5.4	13	PASS
		15	LCH	RB1#0	4.7	13	PASS
				RB1#38	4.56	13	PASS
				RB1#74	4.97	13	PASS
				RB38#0	5.3	13	PASS
				RB38#19	5.17	13	PASS
				RB38#39	5.38	13	PASS
				RB75#0	5.69	13	PASS
			MCH	RB1#0	4.94	13	PASS
				RB1#38	4.8	13	PASS
				RB1#74	4.85	13	PASS
				RB38#0	5.31	13	PASS
				RB38#19	5.26	13	PASS
				RB38#39	5.33	13	PASS
				RB75#0	5.93	13	PASS
			HCH	RB1#0	4.79	13	PASS
				RB1#38	4.46	13	PASS
				RB1#74	4.81	13	PASS
				RB38#0	5.21	13	PASS
				RB38#19	4.92	13	PASS
				RB38#39	5.16	13	PASS
				RB75#0	5.77	13	PASS
		20	LCH	RB1#0	4.52	13	PASS
				RB1#50	4.41	13	PASS
				RB1#99	4.79	13	PASS
				RB50#0	5.1	13	PASS
				RB50#25	5.13	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	5.38	13	PASS
				RB100#0	5.64	13	PASS
			MCH	RB1#0	4.82	13	PASS
				RB1#50	4.75	13	PASS
				RB1#99	4.82	13	PASS
				RB50#0	5.42	13	PASS
				RB50#25	5.24	13	PASS
				RB50#50	5.39	13	PASS
				RB100#0	5.97	13	PASS
			HCH	RB1#0	4.96	13	PASS
				RB1#50	4.46	13	PASS
				RB1#99	4.79	13	PASS
				RB50#0	5.3	13	PASS
				RB50#25	5.11	13	PASS
				RB50#50	5.24	13	PASS
				RB100#0	5.76	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.47	13	PASS
				RB1#3	5.38	13	PASS
				RB1#5	5.43	13	PASS
				RB3#0	6.03	13	PASS
				RB3#2	5.66	13	PASS
				RB3#3	5.8	13	PASS
				RB6#0	6	13	PASS
			MCH	RB1#0	5.73	13	PASS
				RB1#3	5.64	13	PASS
				RB1#5	5.74	13	PASS
				RB3#0	6.08	13	PASS
				RB3#2	6.17	13	PASS
				RB3#3	6.09	13	PASS
				RB6#0	6.05	13	PASS
			HCH	RB1#0	5.23	13	PASS
				RB1#3	5.15	13	PASS
				RB1#5	5.29	13	PASS
				RB3#0	6.05	13	PASS
				RB3#2	5.82	13	PASS
				RB3#3	5.79	13	PASS
				RB6#0	6.13	13	PASS
		3	LCH	RB1#0	5.79	13	PASS
				RB1#7	5.44	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	5.36	13	PASS
				RB8#0	5.89	13	PASS
				RB8#4	5.74	13	PASS
				RB8#7	5.79	13	PASS
				RB15#0	6.09	13	PASS
			MCH	RB1#0	5.74	13	PASS
				RB1#7	5.7	13	PASS
				RB1#14	5.83	13	PASS
				RB8#0	5.73	13	PASS
				RB8#4	5.68	13	PASS
				RB8#7	5.71	13	PASS
				RB15#0	6.16	13	PASS
			HCH	RB1#0	5.52	13	PASS
				RB1#7	5.24	13	PASS
				RB1#14	5.56	13	PASS
				RB8#0	5.89	13	PASS
				RB8#4	5.81	13	PASS
				RB8#7	5.91	13	PASS
				RB15#0	6.29	13	PASS
		5	LCH	RB1#0	5.21	13	PASS
				RB1#13	4.97	13	PASS
				RB1#24	5.24	13	PASS
				RB12#0	5.76	13	PASS
				RB12#6	5.63	13	PASS
				RB12#13	5.79	13	PASS
				RB25#0	6.13	13	PASS
			MCH	RB1#0	5.26	13	PASS
				RB1#13	5.17	13	PASS
				RB1#24	5.38	13	PASS
				RB12#0	5.84	13	PASS
				RB12#6	5.76	13	PASS
				RB12#13	5.74	13	PASS
				RB25#0	6.33	13	PASS
			HCH	RB1#0	4.94	13	PASS
				RB1#13	4.83	13	PASS
				RB1#24	5.19	13	PASS
				RB12#0	5.61	13	PASS
				RB12#6	5.58	13	PASS
				RB12#13	5.74	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB25#0	6.22	13	PASS
				RB1#0	4.91	13	PASS
			LCH	RB1#25	4.71	13	PASS
				RB1#49	5.1	13	PASS
				RB25#0	5.67	13	PASS
				RB25#13	5.61	13	PASS
				RB25#25	5.9	13	PASS
				RB50#0	6.18	13	PASS
			MCH	RB1#0	5.23	13	PASS
				RB1#25	5.13	13	PASS
				RB1#49	5.37	13	PASS
				RB25#0	6.14	13	PASS
				RB25#13	5.97	13	PASS
				RB25#25	6.16	13	PASS
				RB50#0	6.4	13	PASS
			HCH	RB1#0	4.81	13	PASS
				RB1#25	4.56	13	PASS
				RB1#49	5.3	13	PASS
				RB25#0	5.61	13	PASS
				RB25#13	5.65	13	PASS
				RB25#25	5.73	13	PASS
				RB50#0	6.22	13	PASS
		15	LCH	RB1#0	5.36	13	PASS
				RB1#38	5.01	13	PASS
				RB1#74	5.53	13	PASS
				RB38#0	5.97	13	PASS
				RB38#19	5.86	13	PASS
				RB38#39	6.07	13	PASS
				RB75#0	6.46	13	PASS
			MCH	RB1#0	5.42	13	PASS
				RB1#38	5.32	13	PASS
				RB1#74	5.46	13	PASS
				RB38#0	5.99	13	PASS
				RB38#19	5.98	13	PASS
				RB38#39	5.98	13	PASS
				RB75#0	6.66	13	PASS
			HCH	RB1#0	5.43	13	PASS
				RB1#38	4.8	13	PASS
				RB1#74	5.22	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#0	5.95	13	PASS
				RB38#19	5.83	13	PASS
				RB38#39	6.01	13	PASS
				RB75#0	6.51	13	PASS
		20	LCH	RB1#0	5.11	13	PASS
				RB1#50	4.95	13	PASS
				RB1#99	5.47	13	PASS
				RB50#0	5.88	13	PASS
				RB50#25	5.9	13	PASS
				RB50#50	5.96	13	PASS
				RB100#0	6.51	13	PASS
			MCH	RB1#0	5.4	13	PASS
				RB1#50	5.29	13	PASS
				RB1#99	5.39	13	PASS
				RB50#0	6.24	13	PASS
				RB50#25	6.1	13	PASS
				RB50#50	6.28	13	PASS
				RB100#0	6.57	13	PASS
			HCH	RB1#0	5.24	13	PASS
				RB1#50	4.9	13	PASS
				RB1#99	5.26	13	PASS
				RB50#0	5.92	13	PASS
				RB50#25	5.91	13	PASS
				RB50#50	6.13	13	PASS
				RB100#0	6.45	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

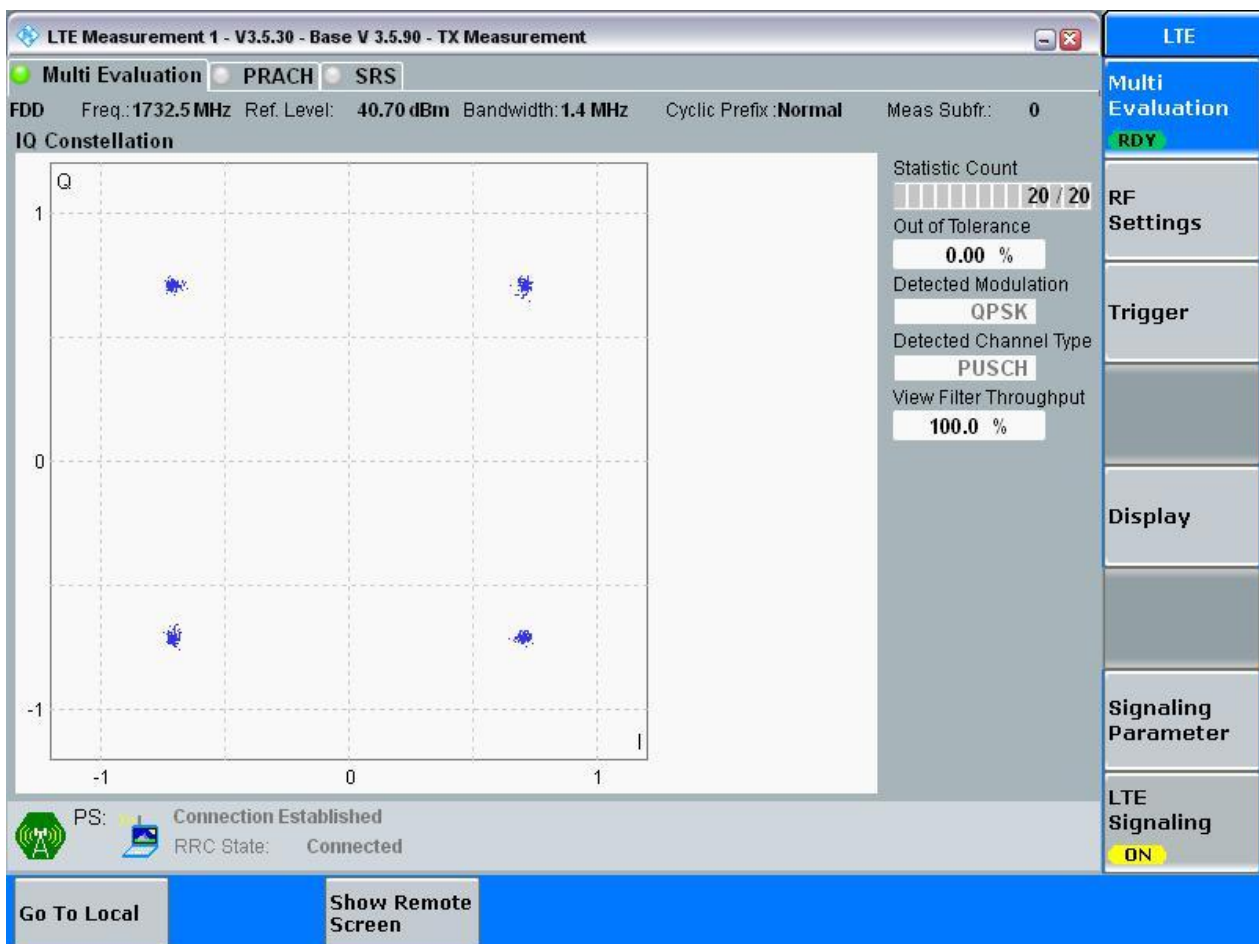
3.1.1 Test Band = BAND4

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

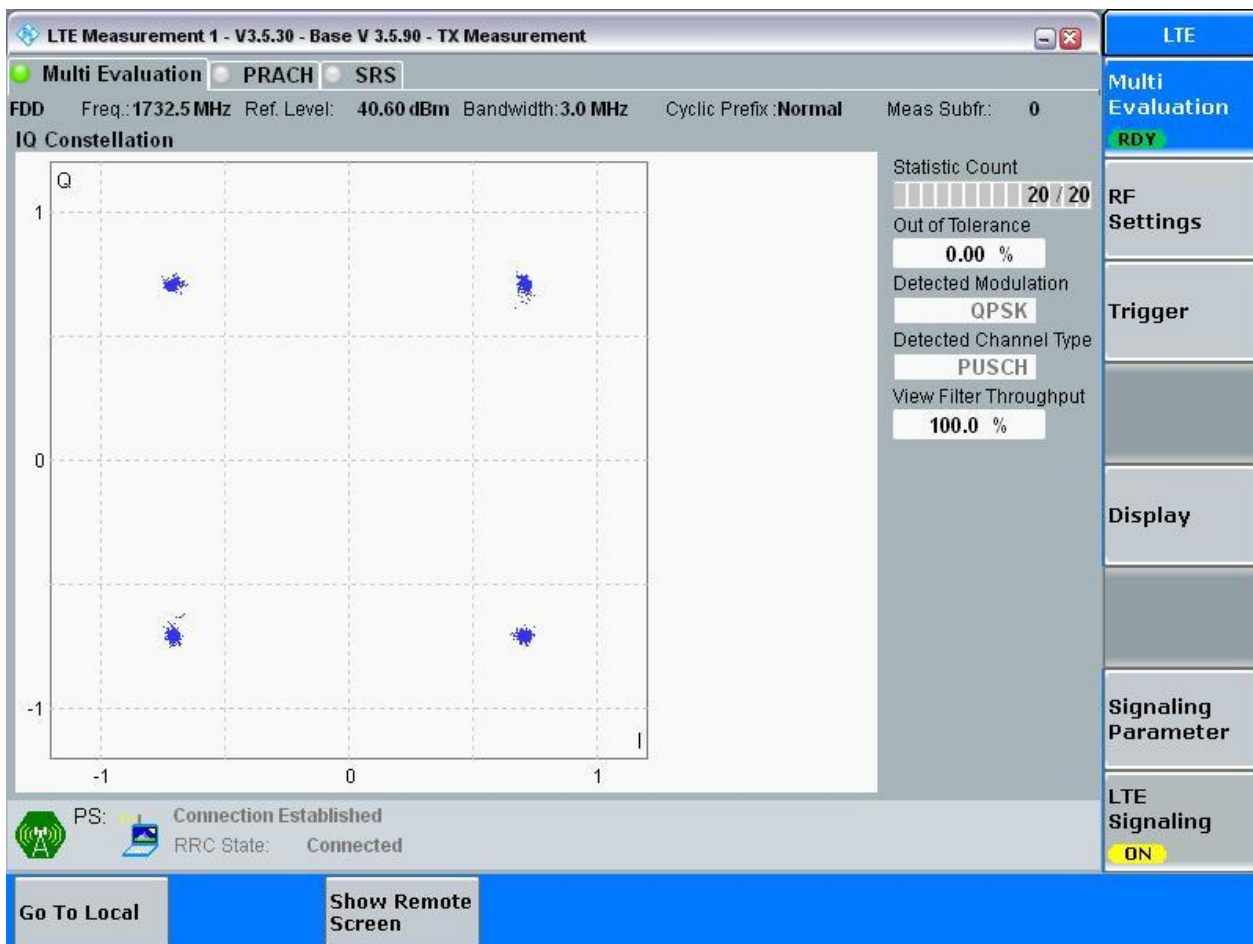
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

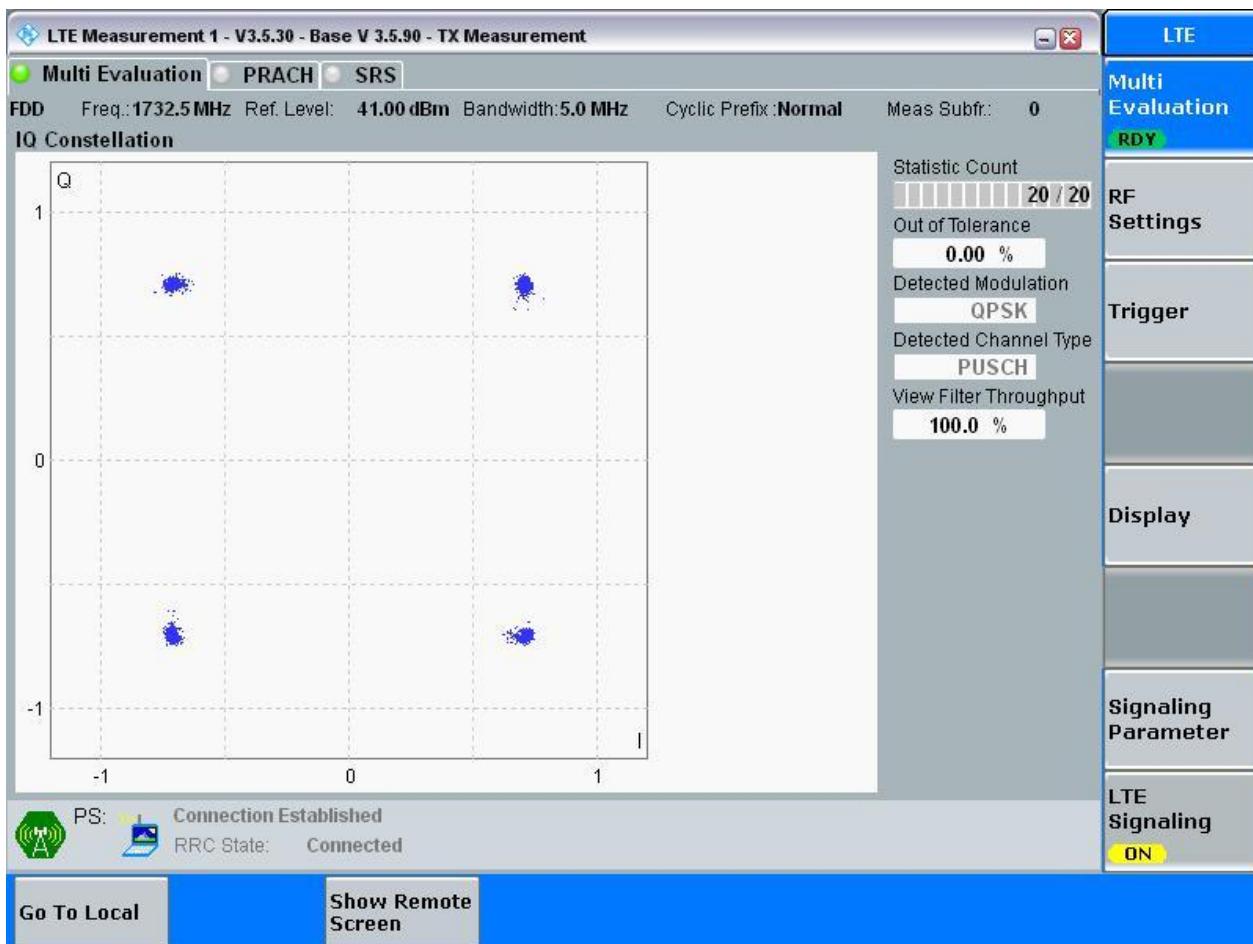
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

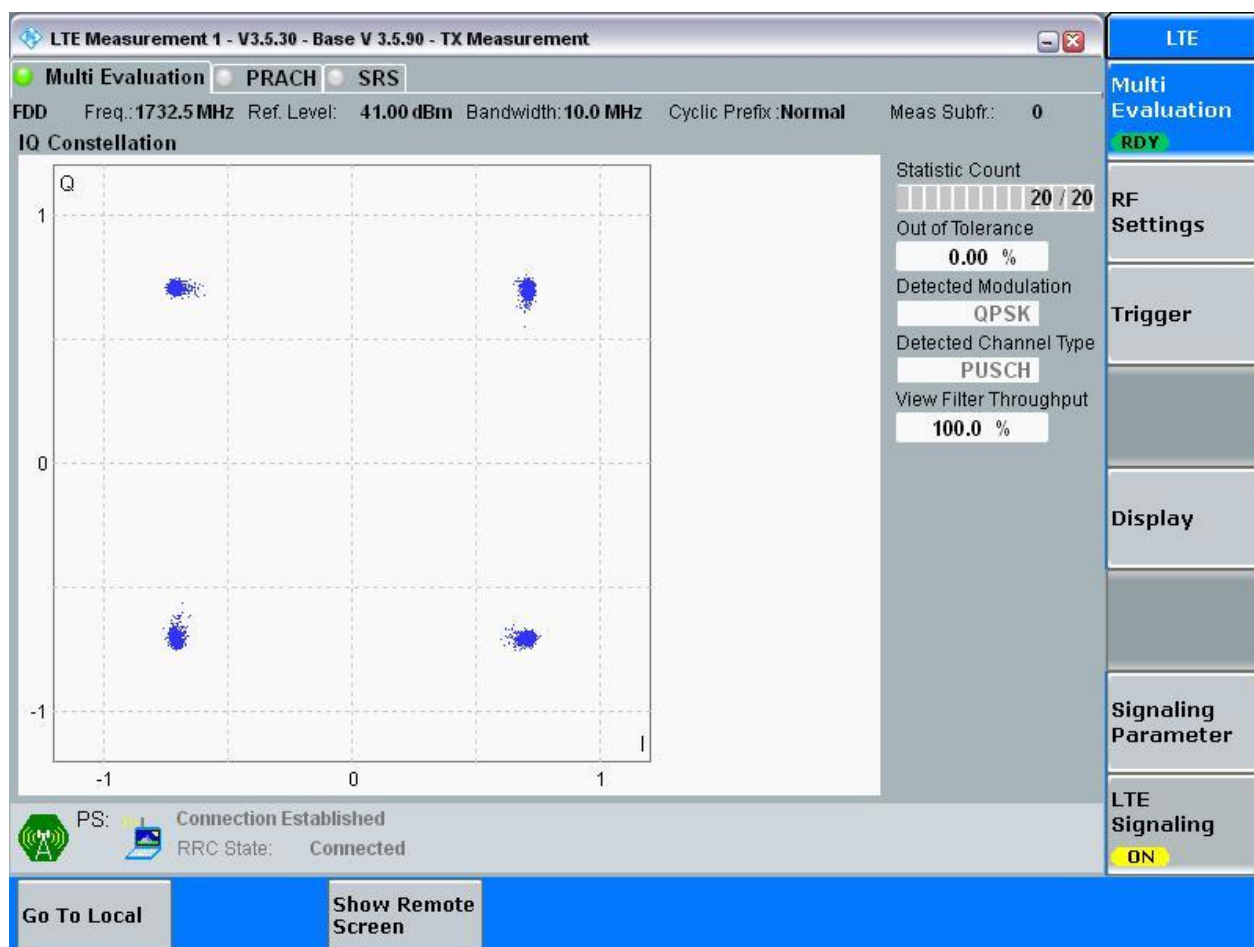
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

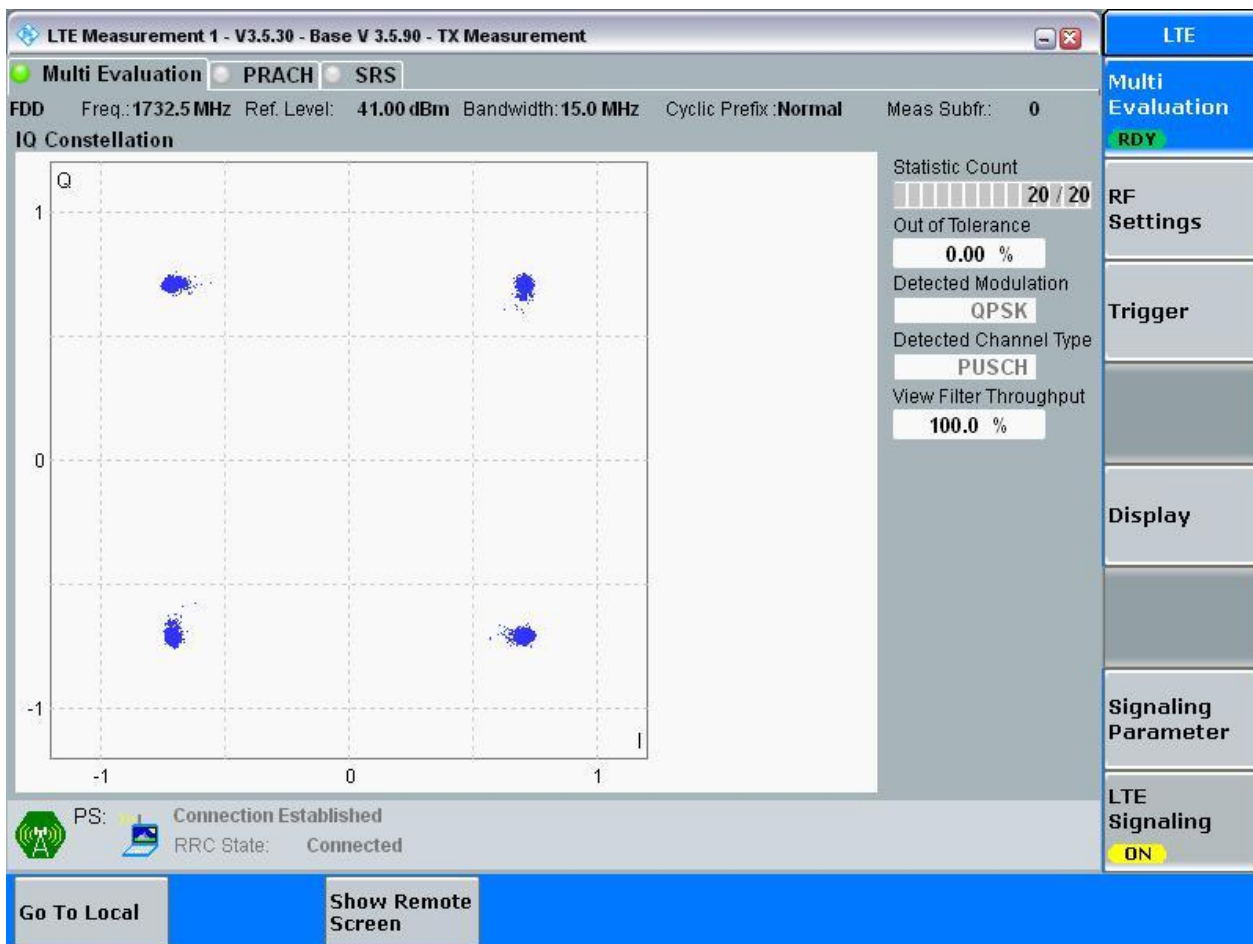
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

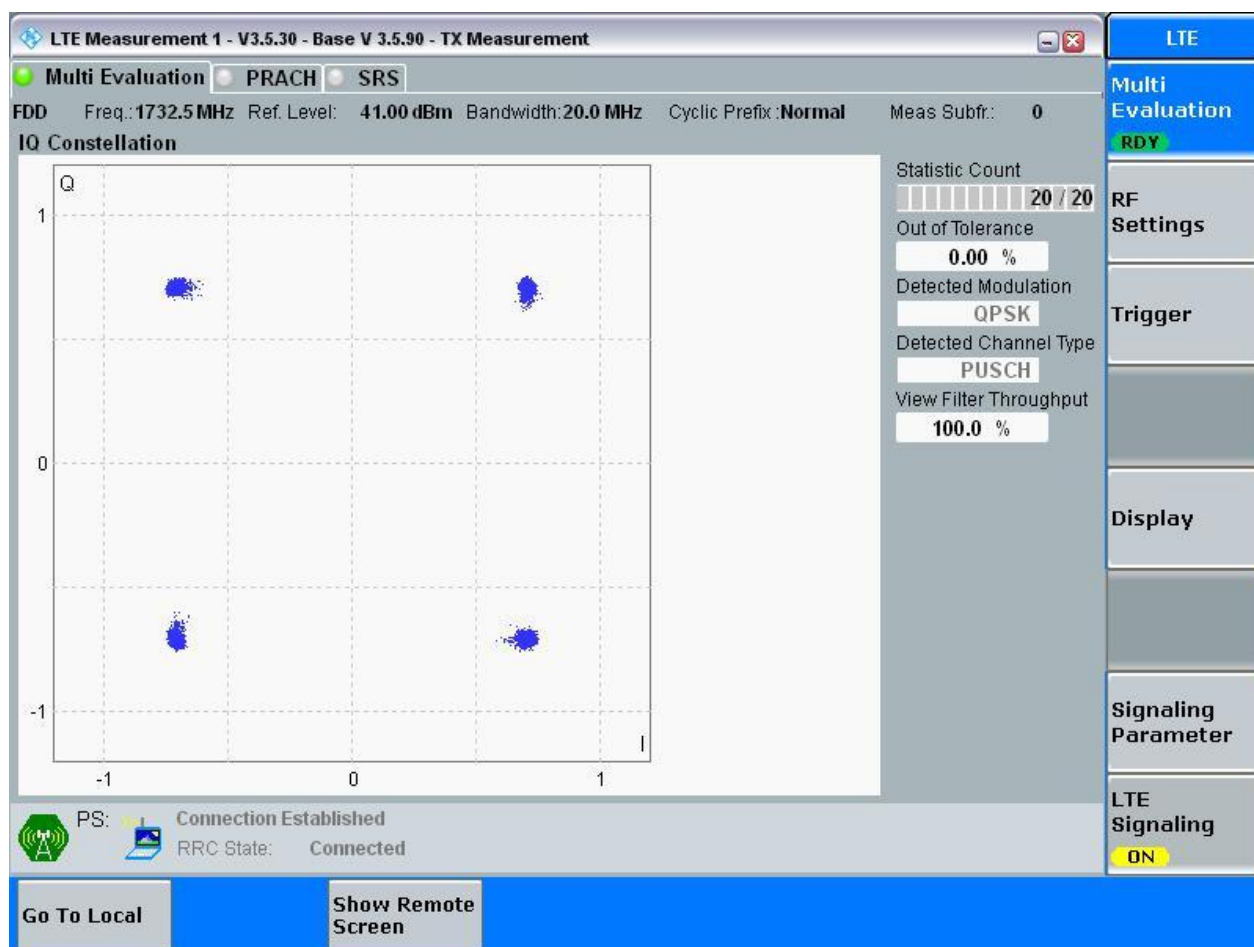
3.1.1.1.5.1.1 Test RB = RB75#0



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

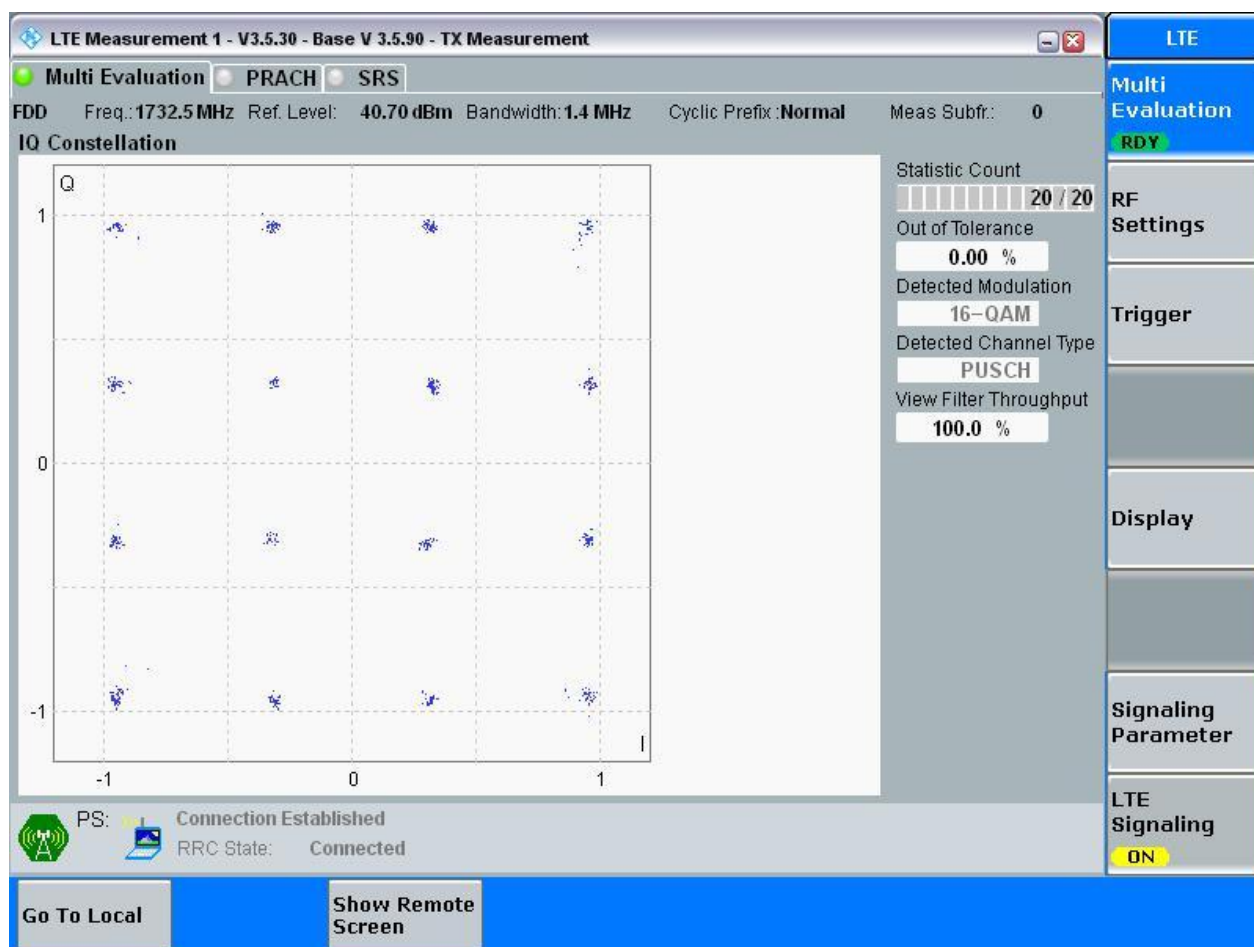


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

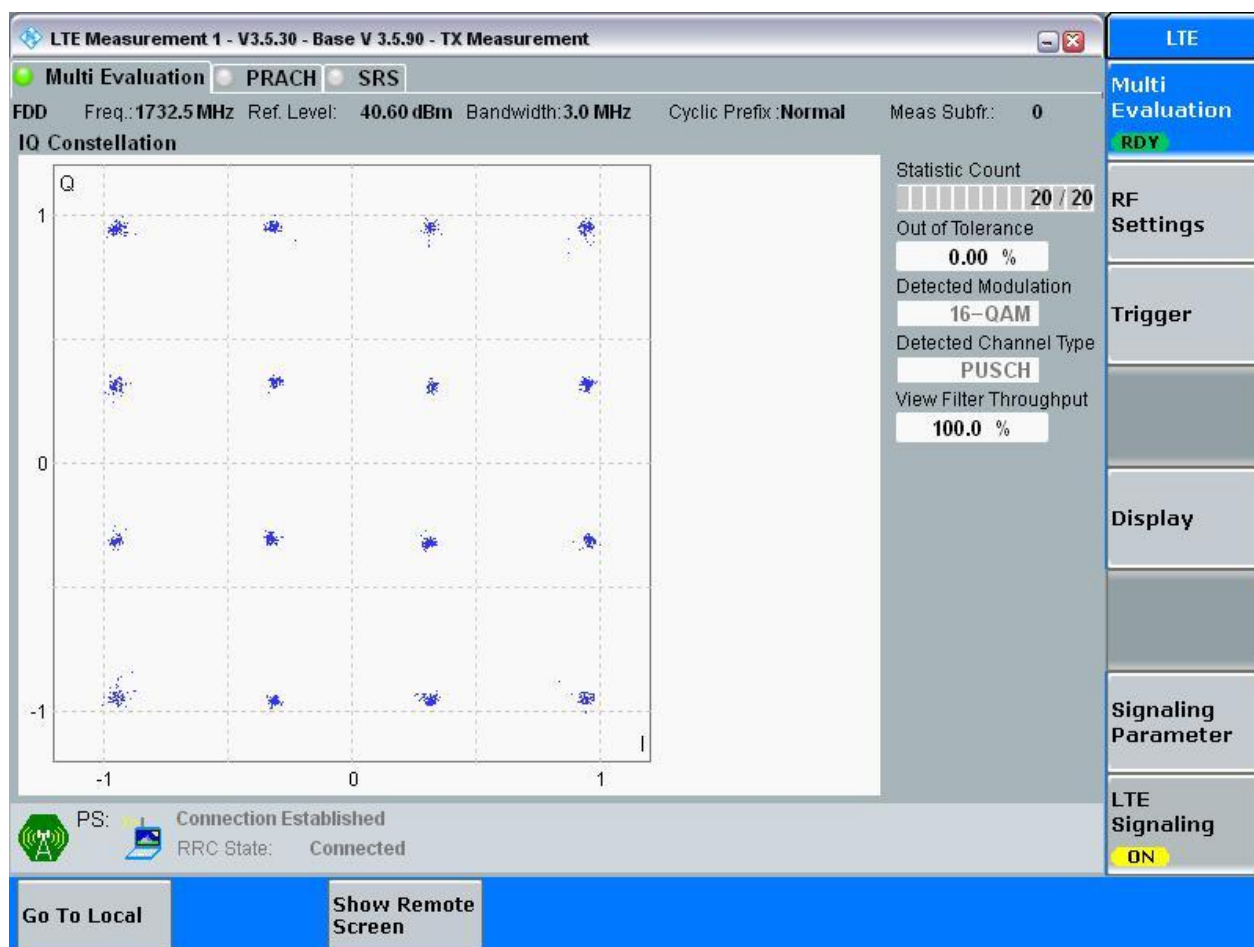
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

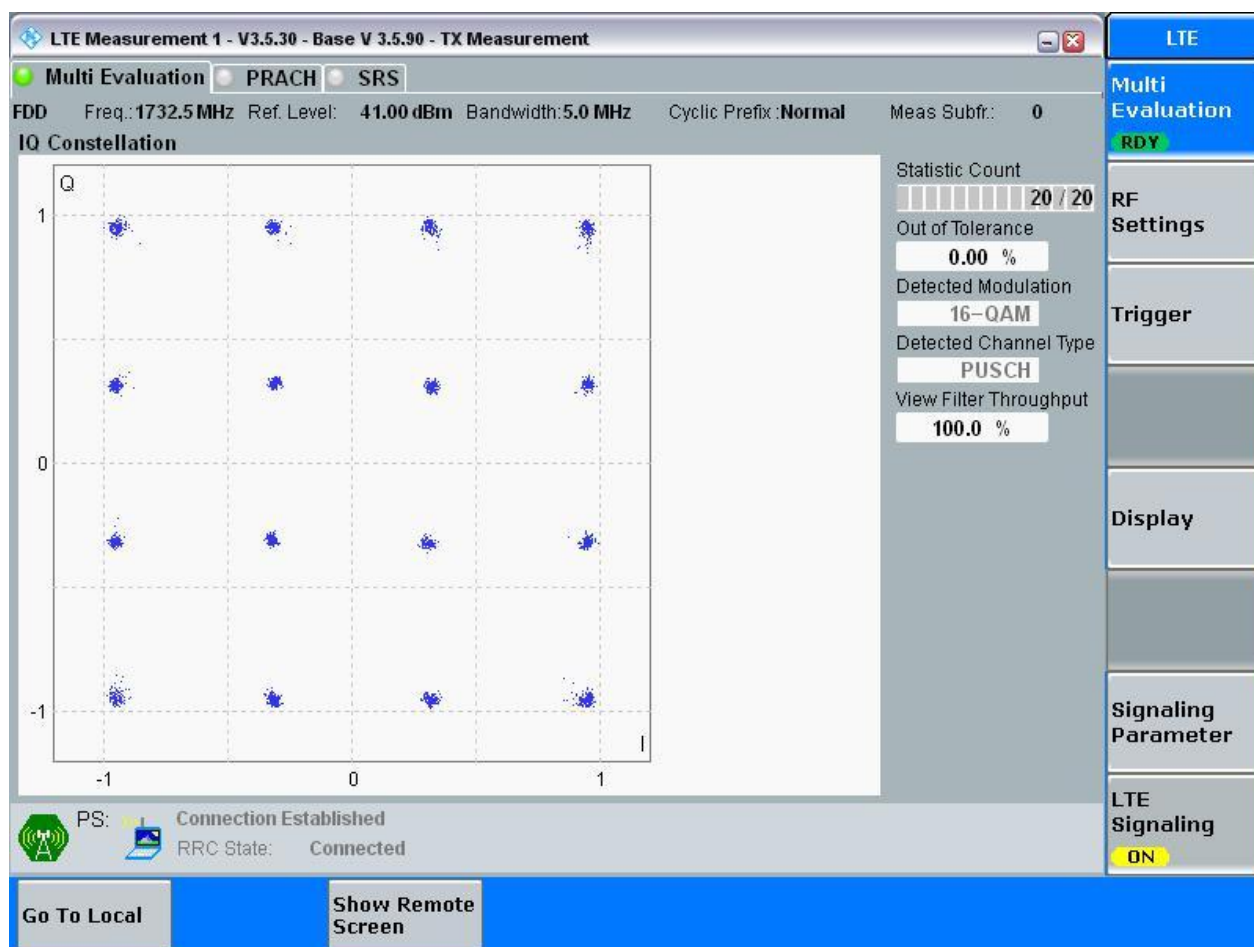
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

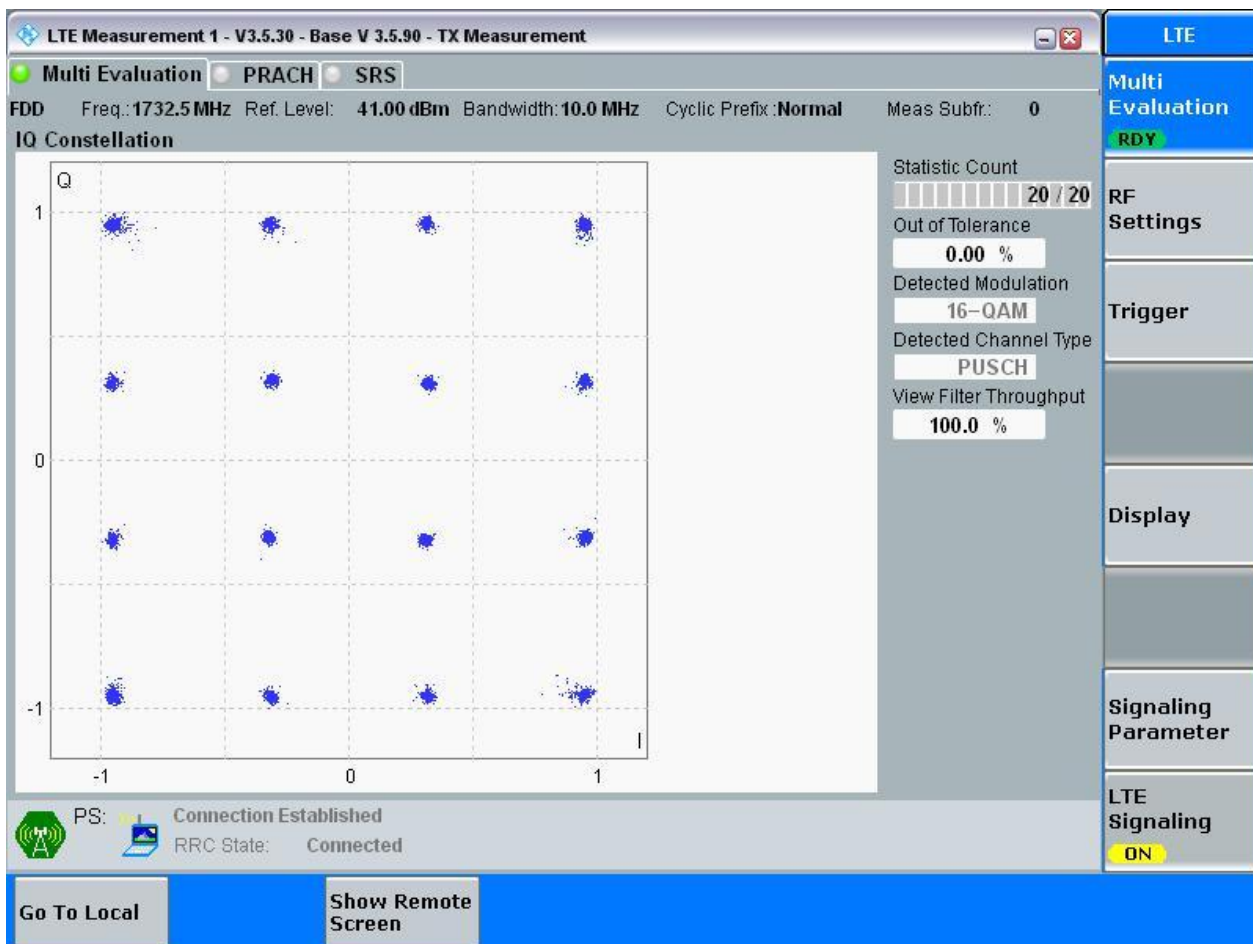
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

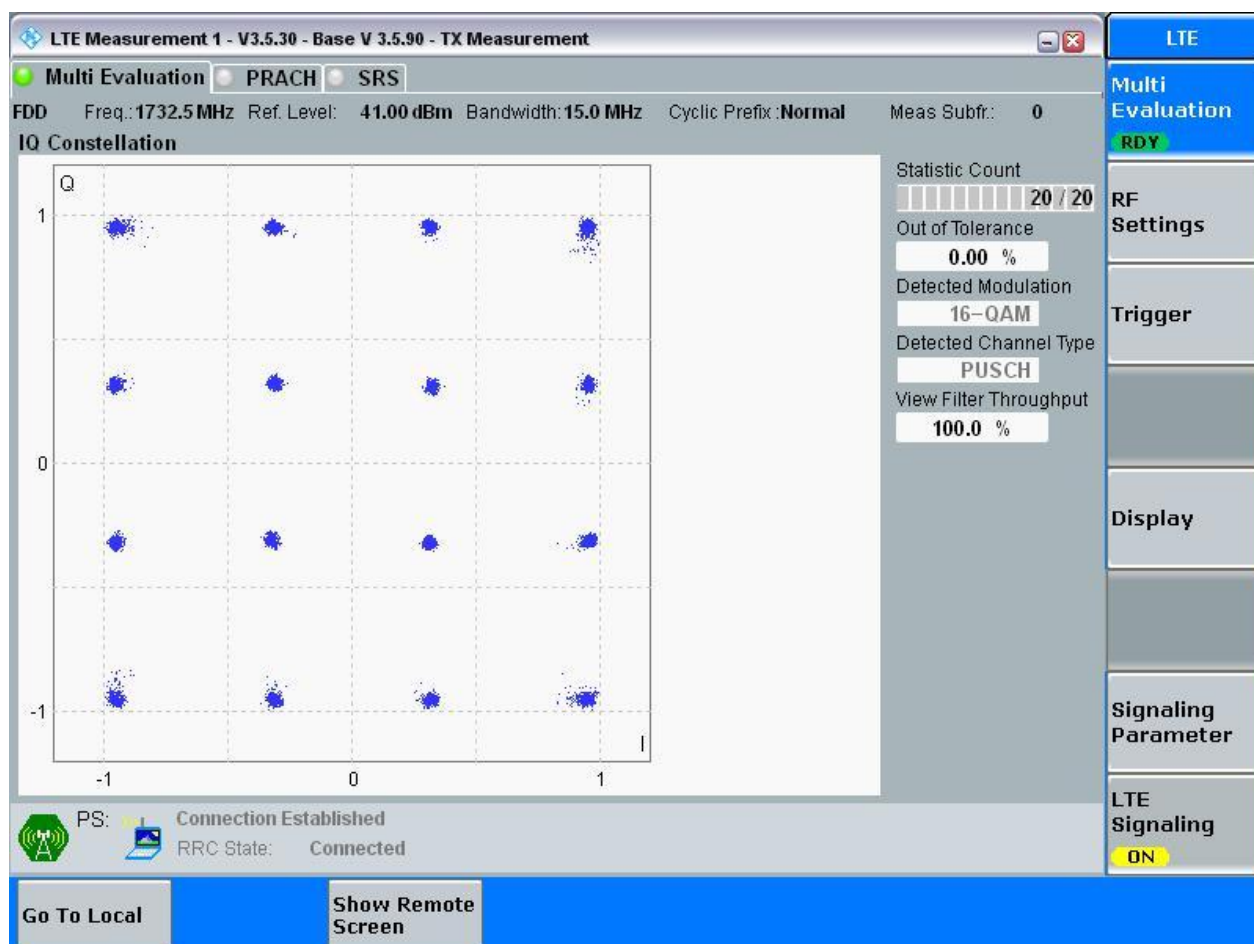
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

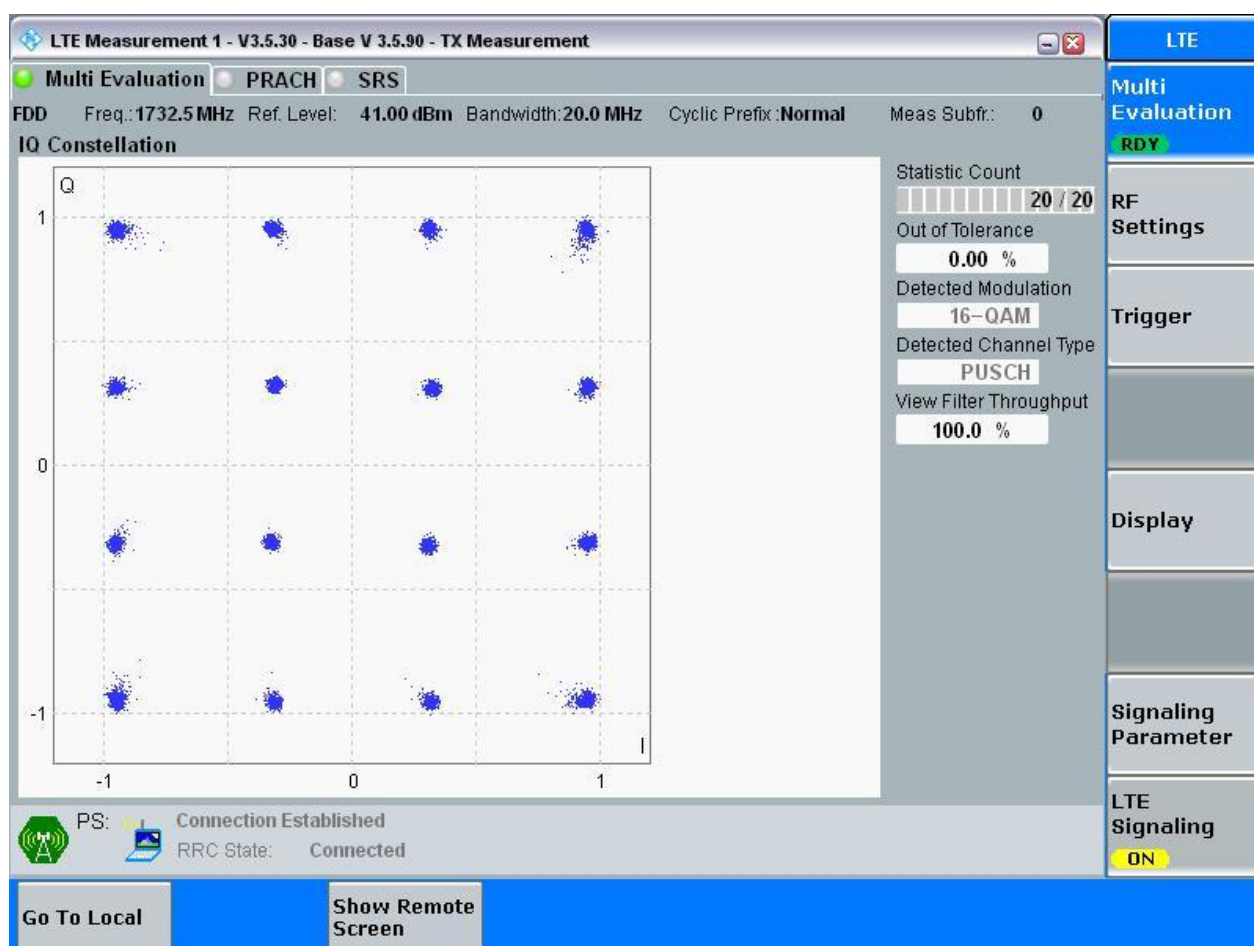
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.22	Pass
			MCH	RB6#0	1.09	1.22	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.71	2.96	Pass
			MCH	RB15#0	2.71	2.93	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.49	4.88	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.99	9.64	Pass
			MCH	RB50#0	8.99	9.61	Pass
			HCH	RB50#0	8.99	9.67	Pass
		15	LCH	RB75#0	13.47	14.46	Pass
			MCH	RB75#0	13.51	14.44	Pass
			HCH	RB75#0	13.46	14.38	Pass
		20	LCH	RB100#0	17.94	19.12	Pass
			MCH	RB100#0	17.98	19.13	Pass
			HCH	RB100#0	17.95	19.15	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.95	Pass
			MCH	RB15#0	2.71	2.94	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.49	4.88	Pass
			MCH	RB25#0	4.51	4.89	Pass
			HCH	RB25#0	4.50	4.84	Pass
		10	LCH	RB50#0	8.99	9.59	Pass
			MCH	RB50#0	8.99	9.70	Pass
			HCH	RB50#0	9.00	9.61	Pass
		15	LCH	RB75#0	13.46	14.40	Pass
			MCH	RB75#0	13.50	14.46	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB75#0	13.48	14.43	Pass
		20	LCH	RB100#0	17.95	19.08	Pass
			MCH	RB100#0	17.98	19.09	Pass
			HCH	RB100#0	17.96	19.13	Pass



Part II - Test Plots

4.1 For LTE

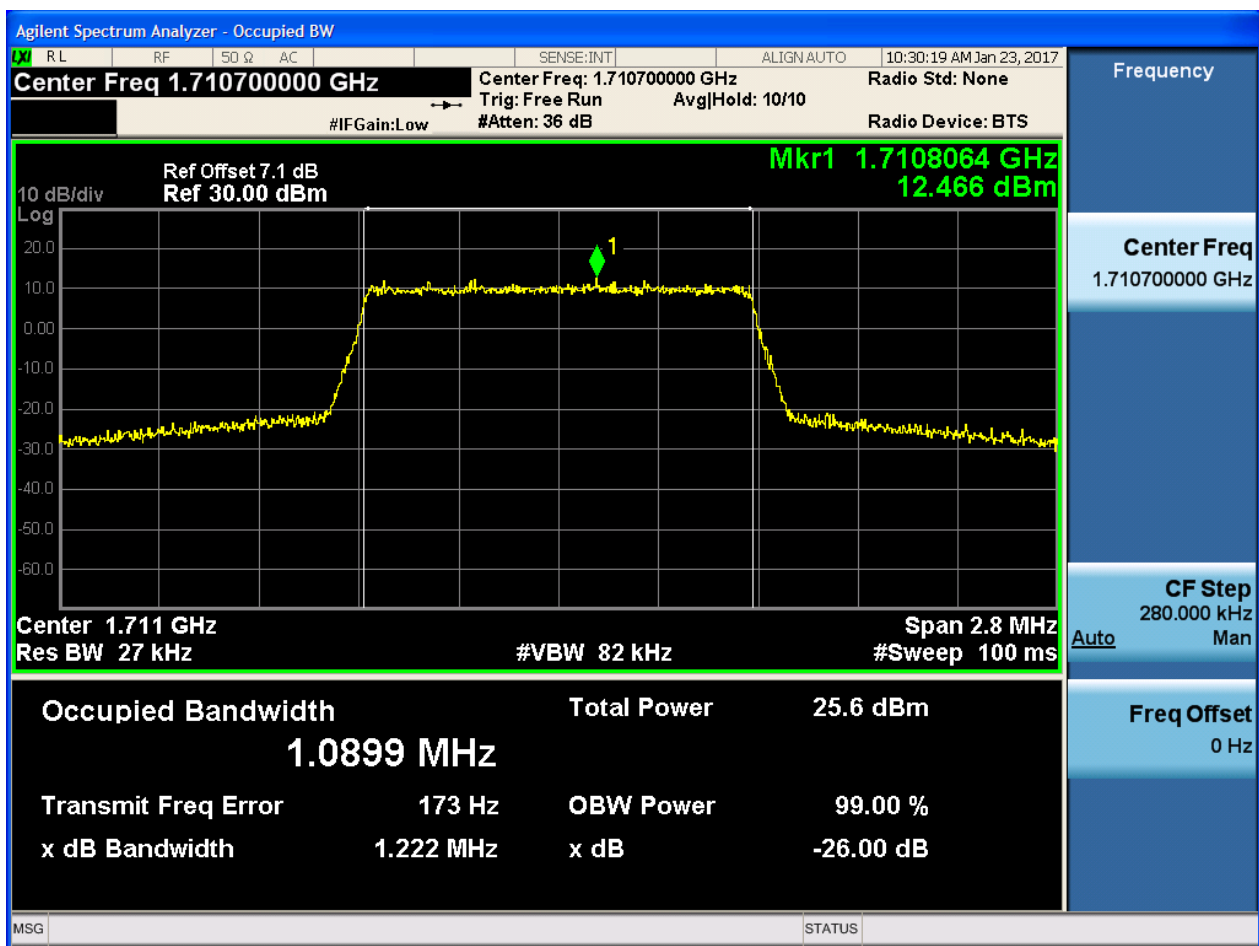
4.1.1 Test Band = BAND4

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

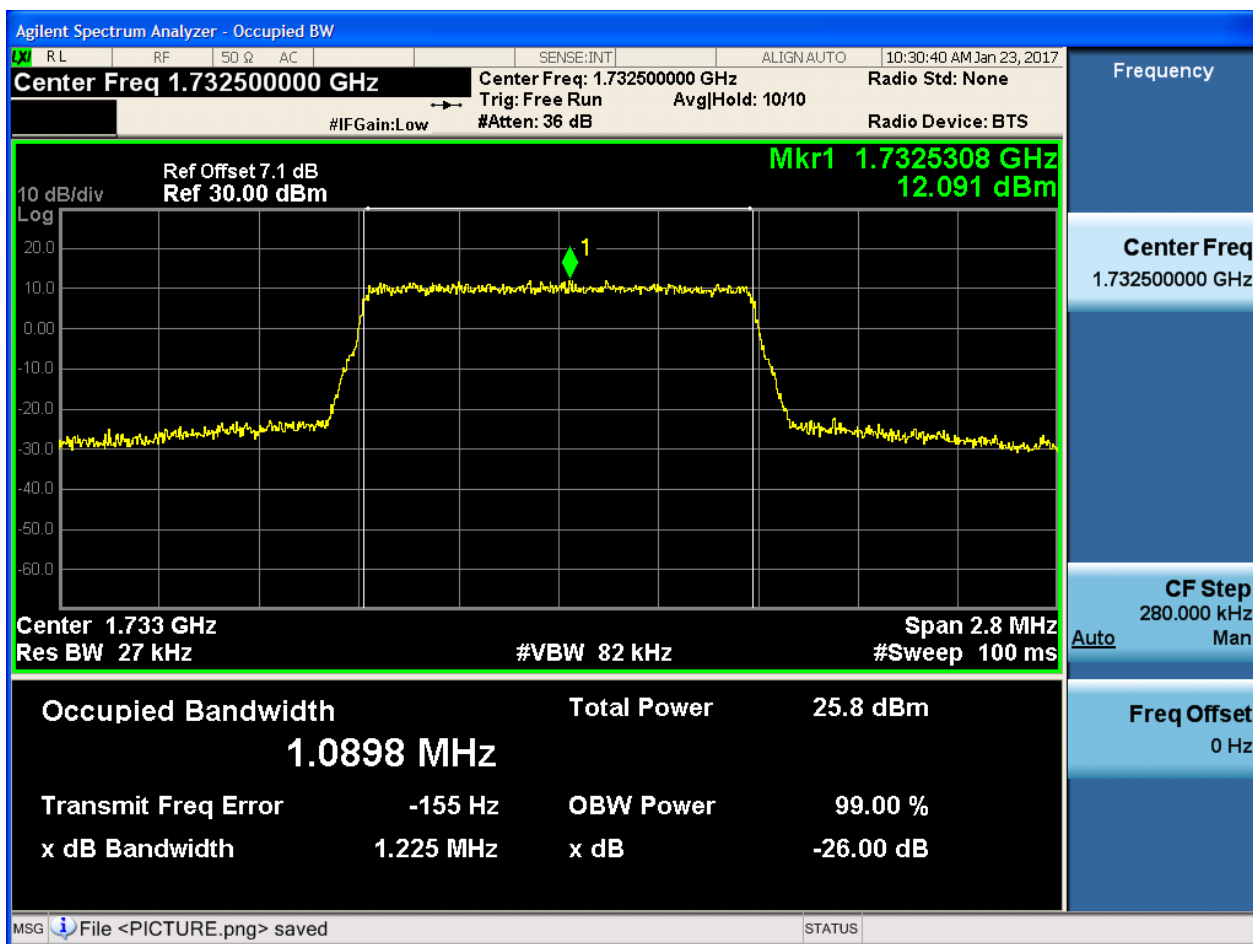
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

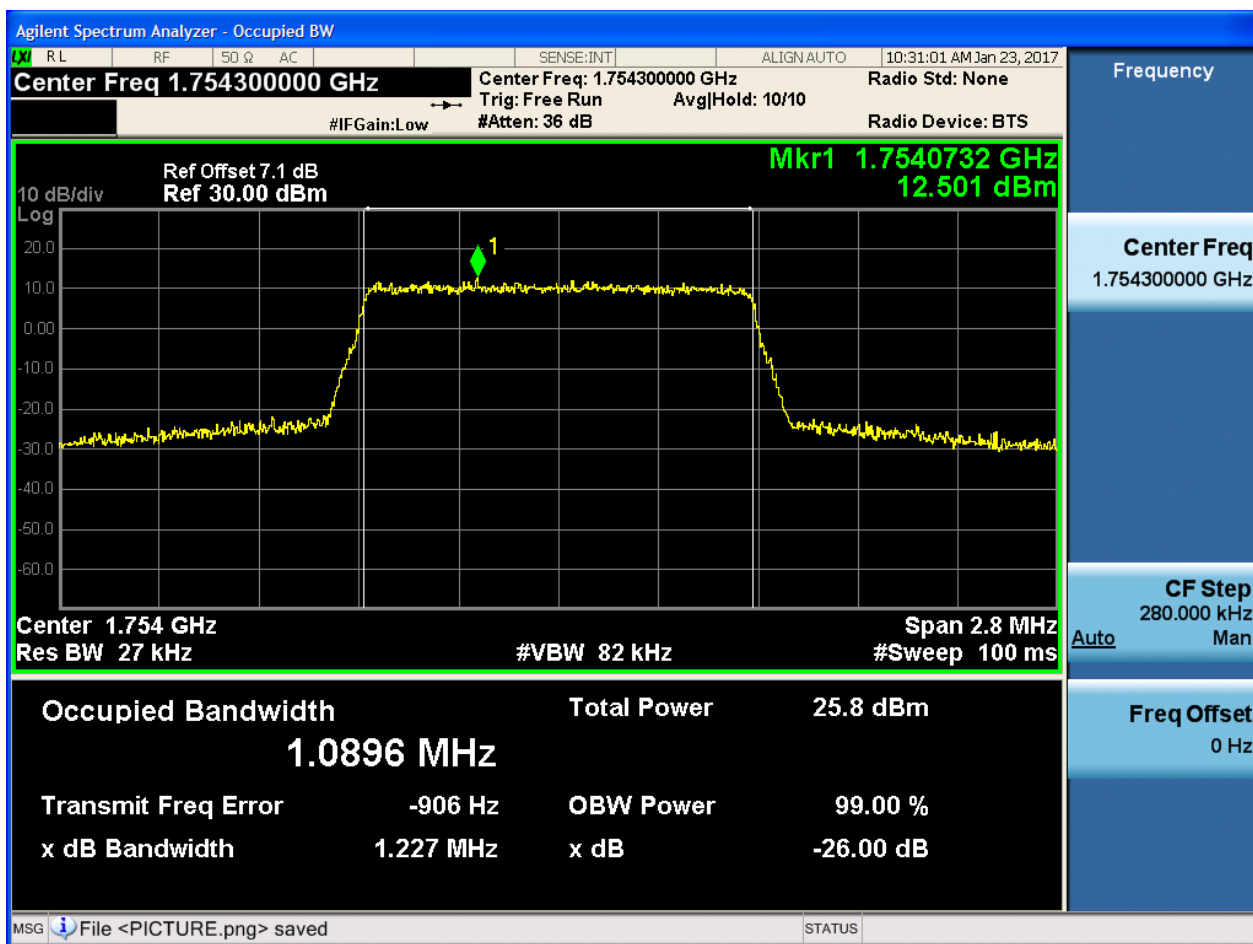
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

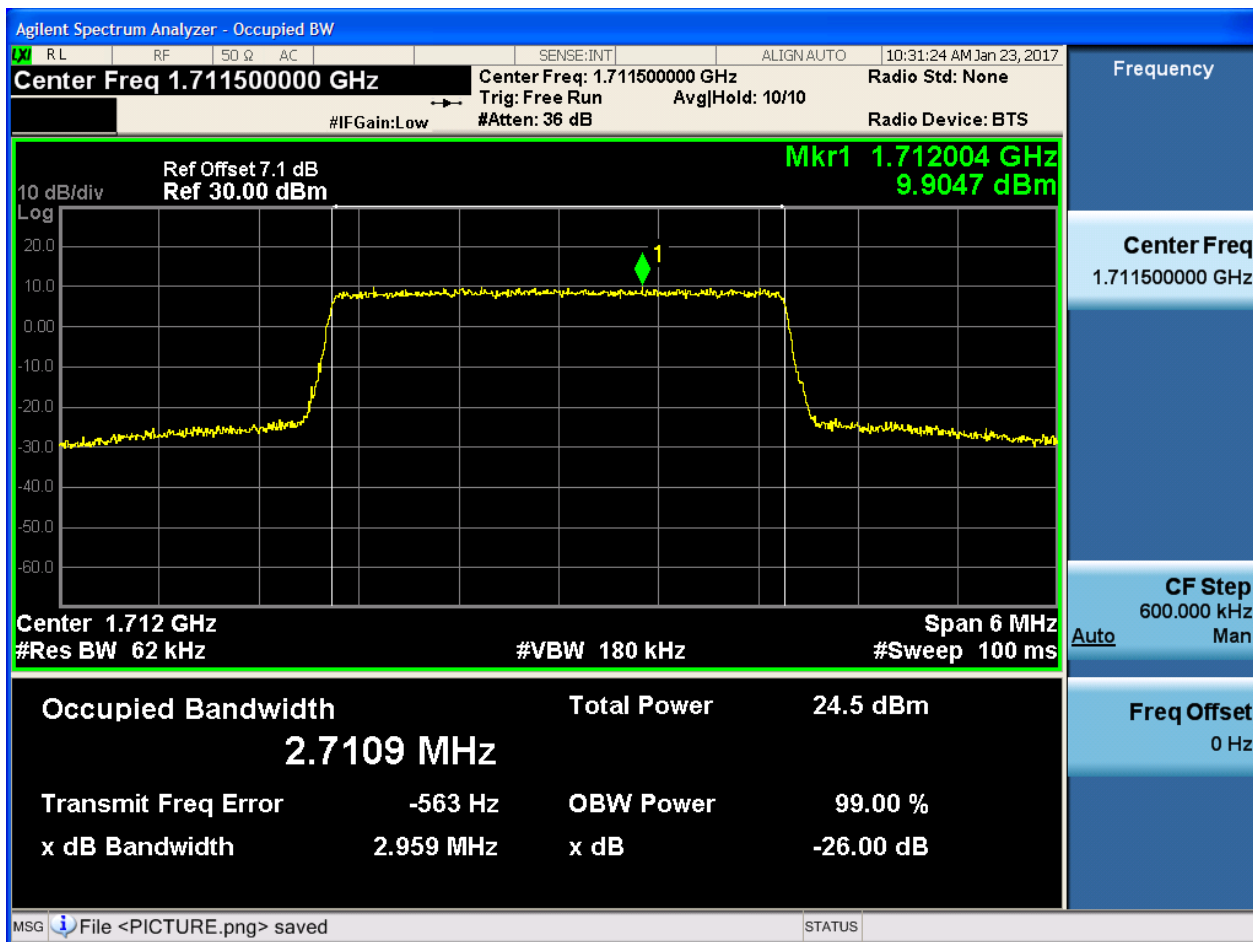




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

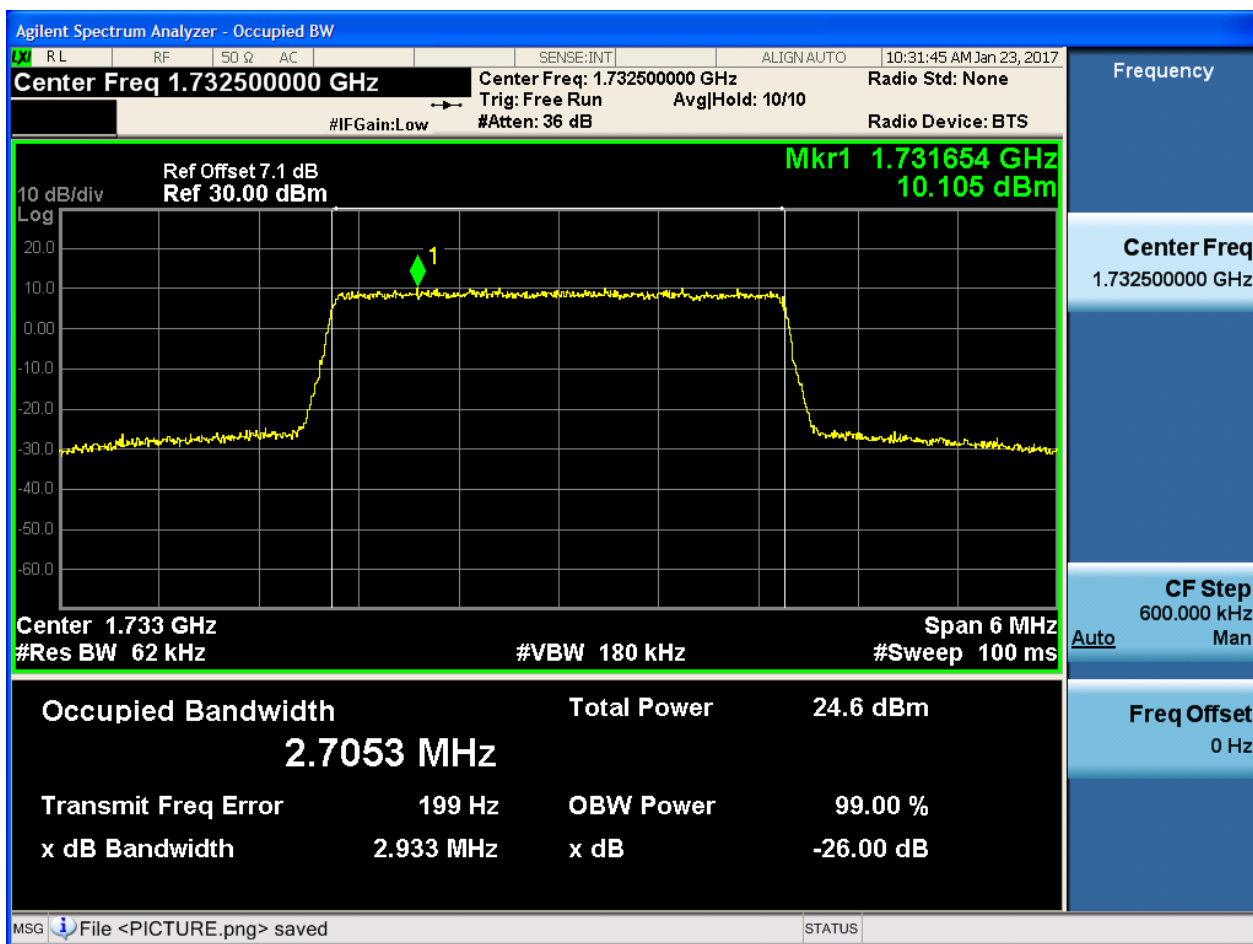
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

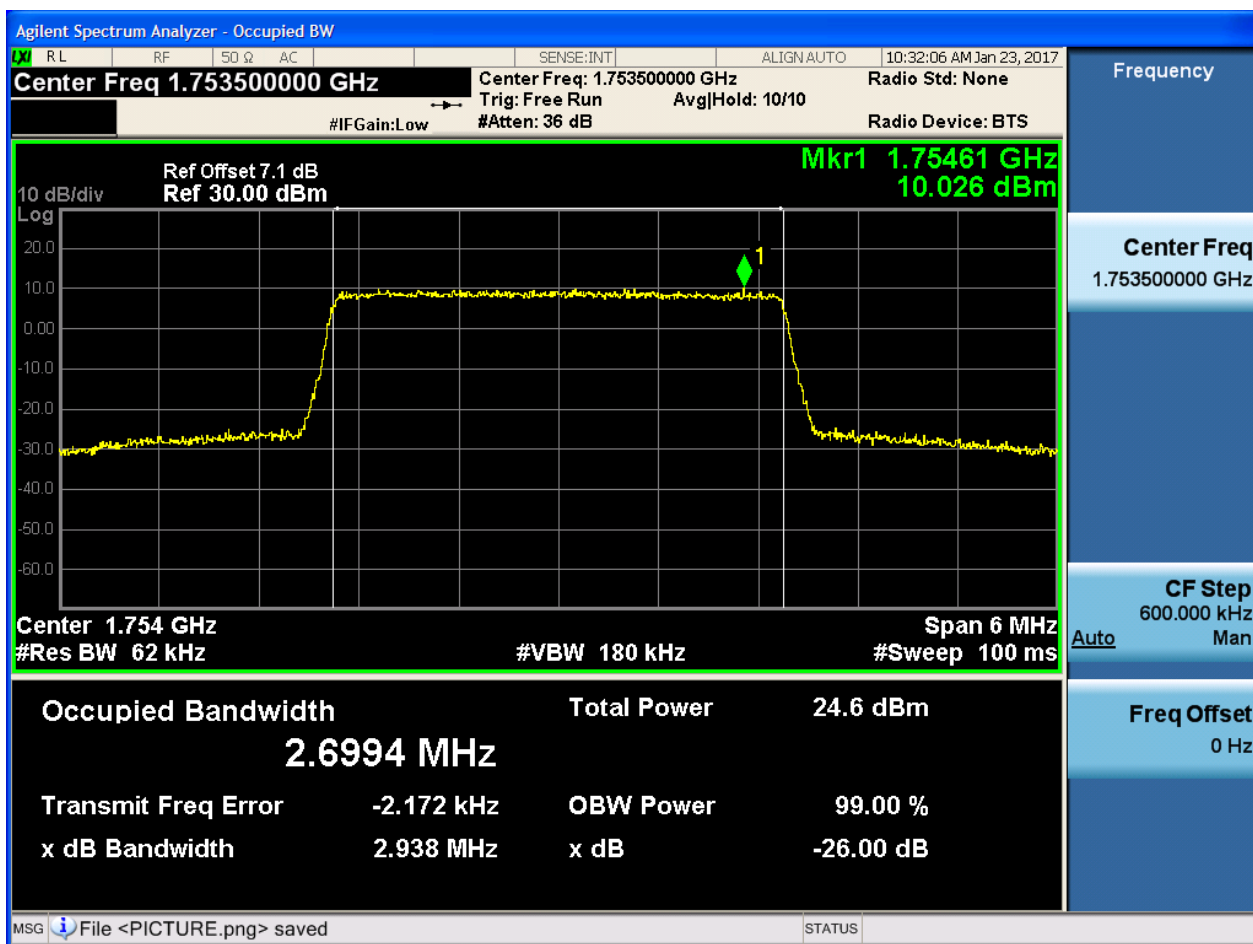
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

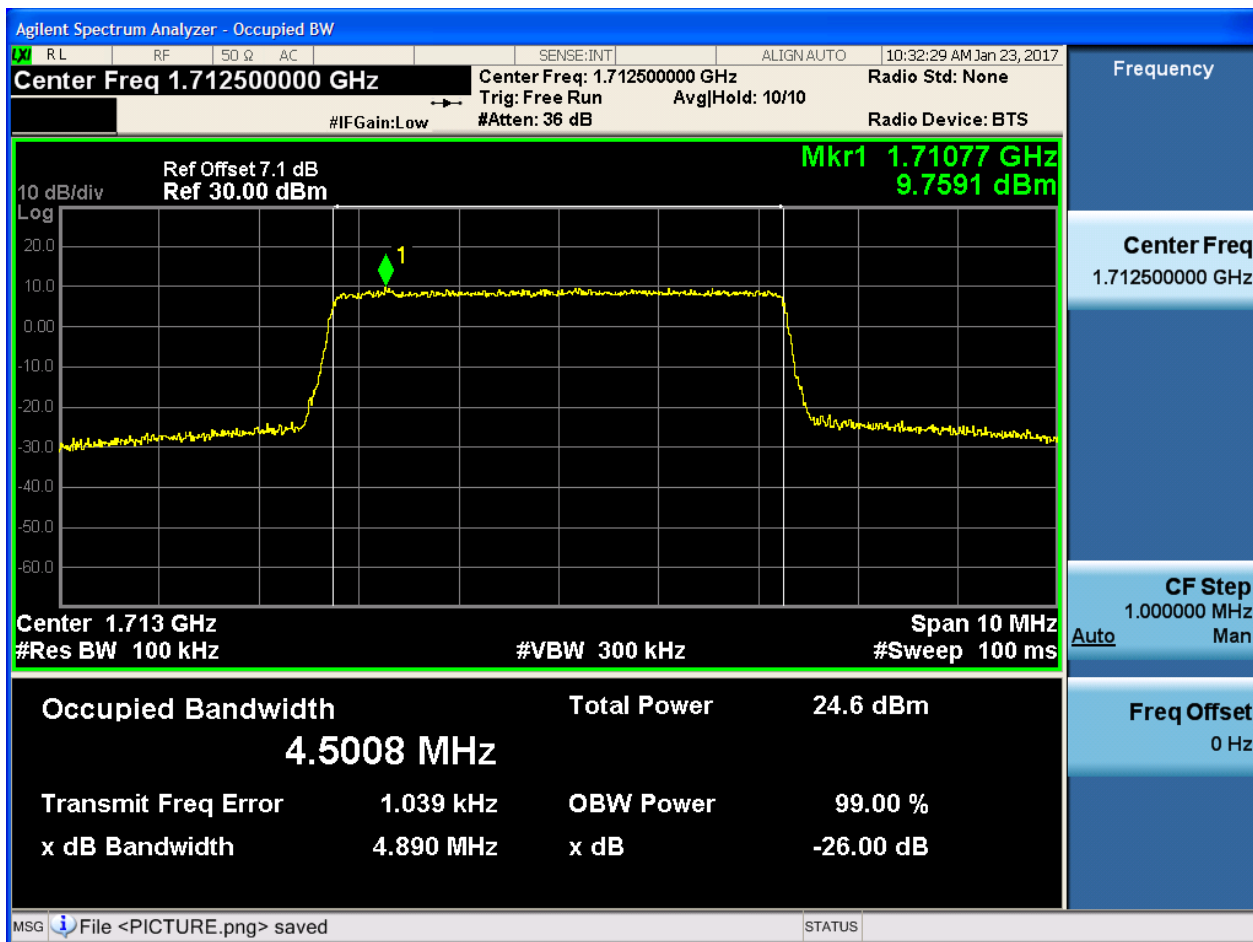




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

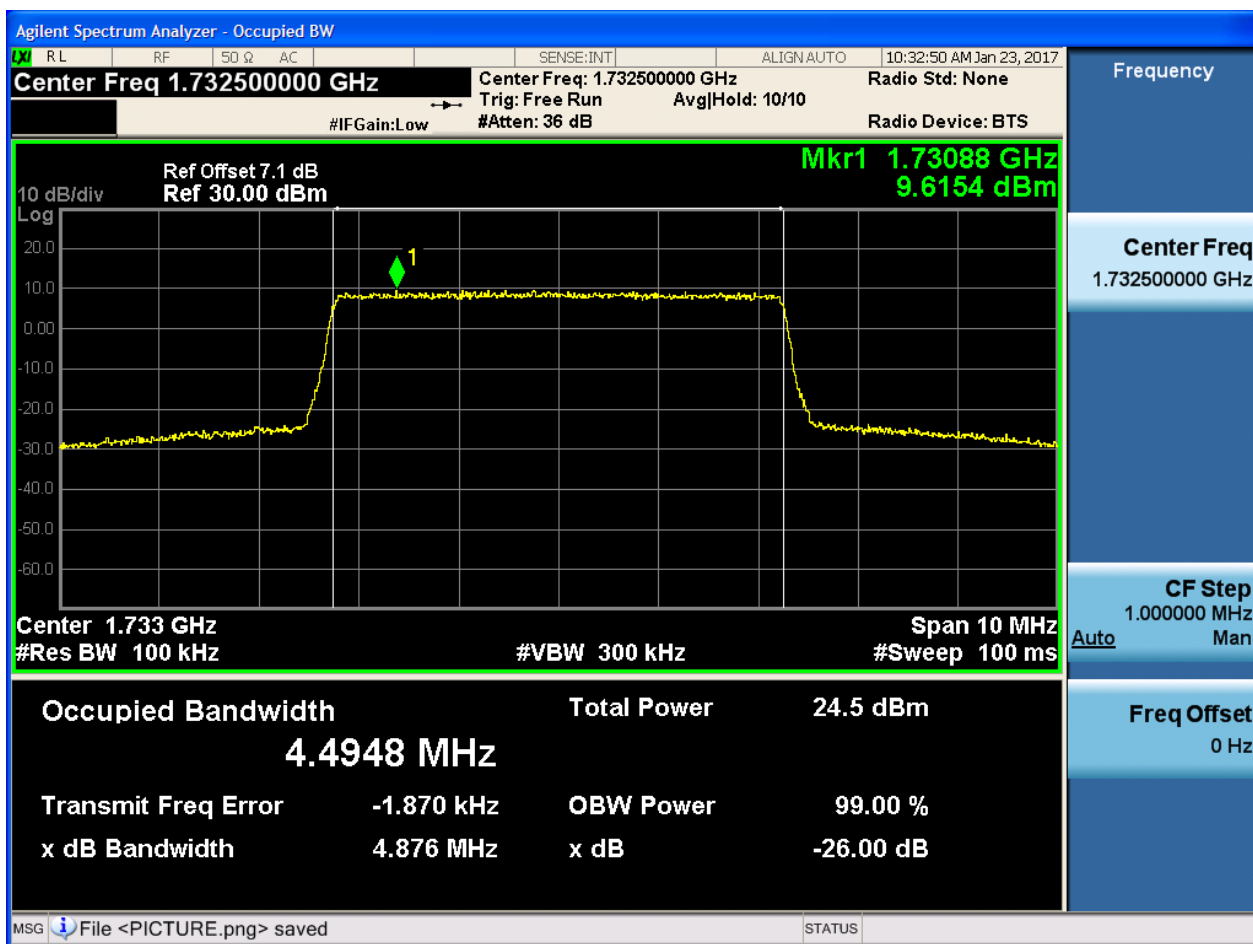
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

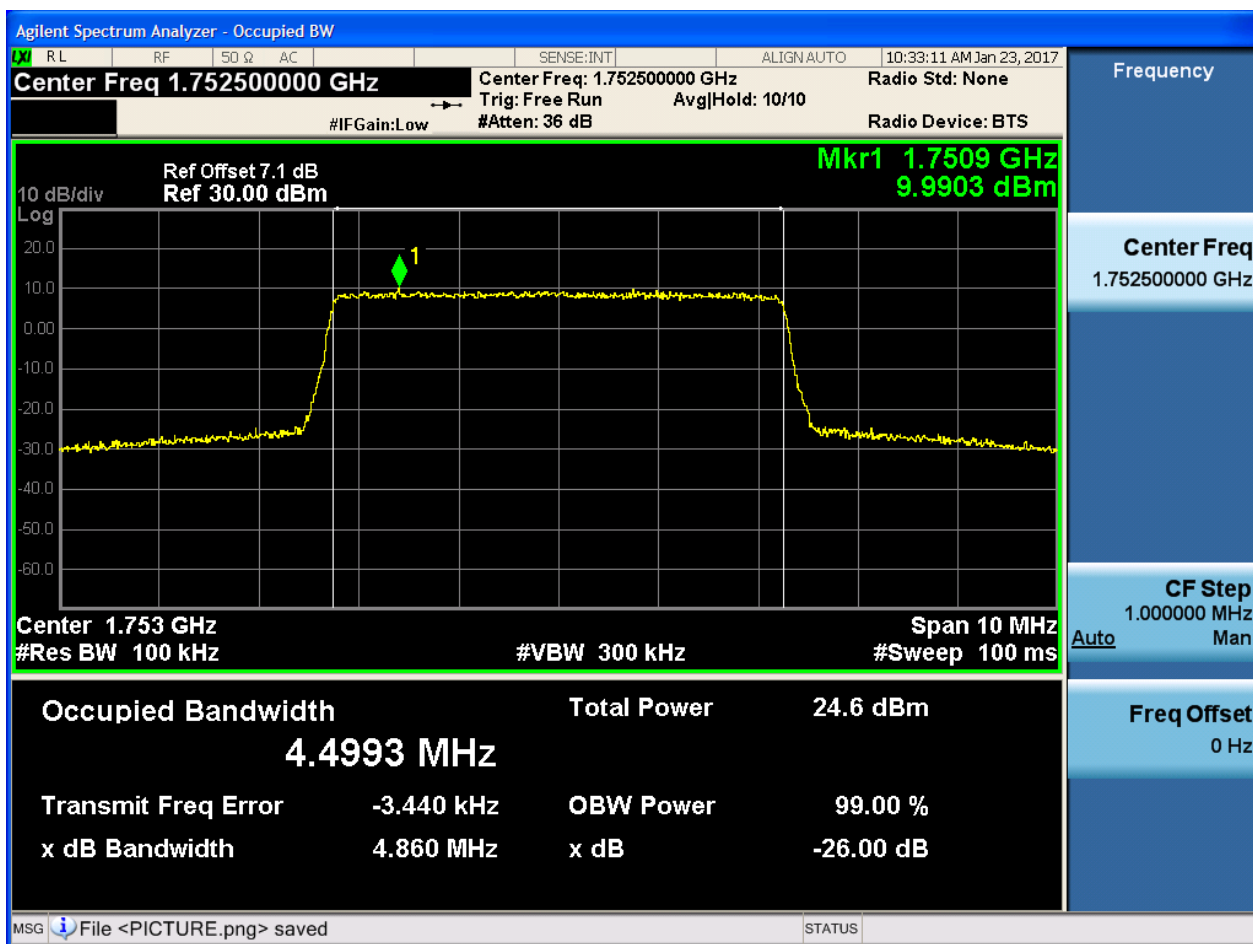
4.1.1.1.3.2.1 Test RB = RB25#0





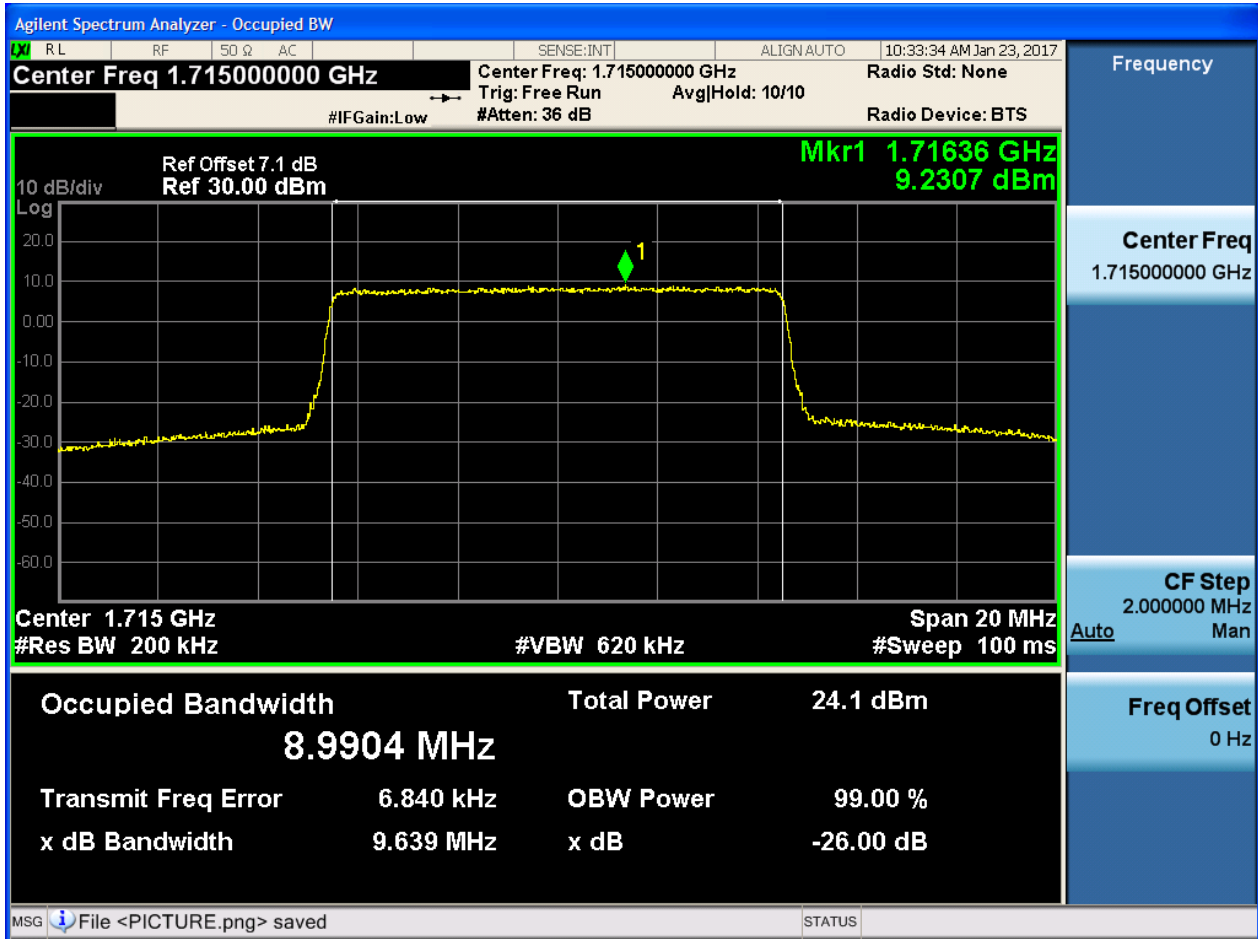
4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0





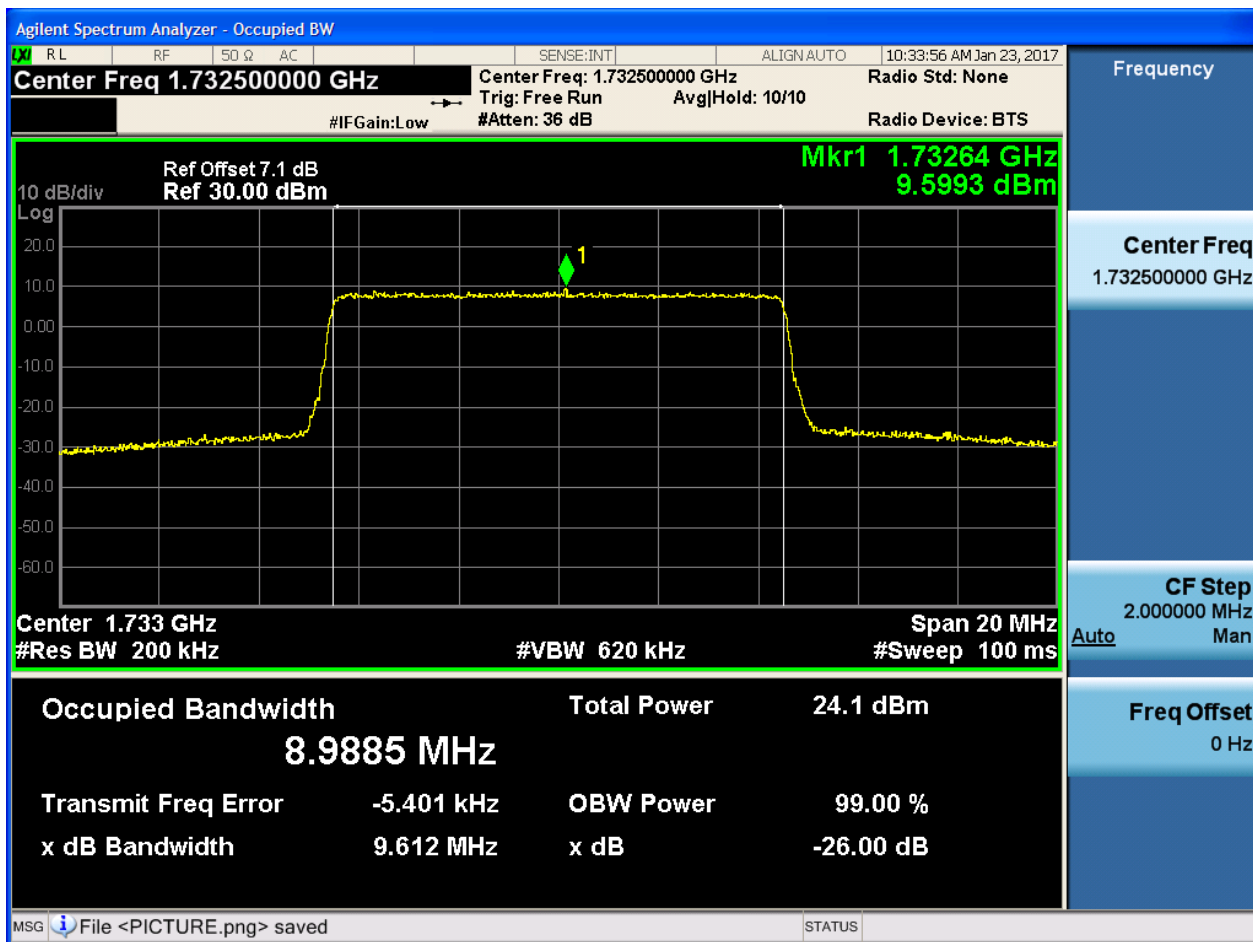
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

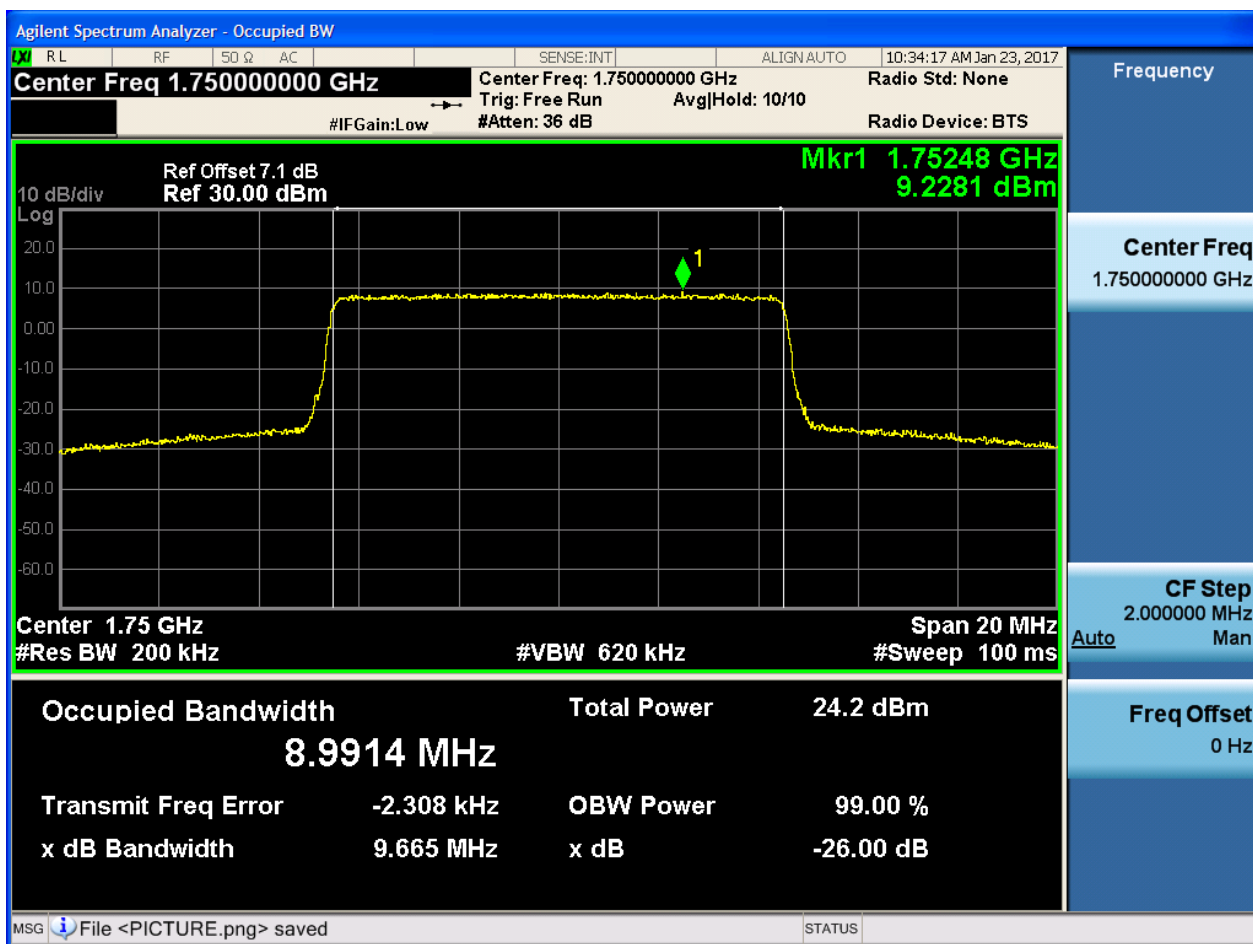
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

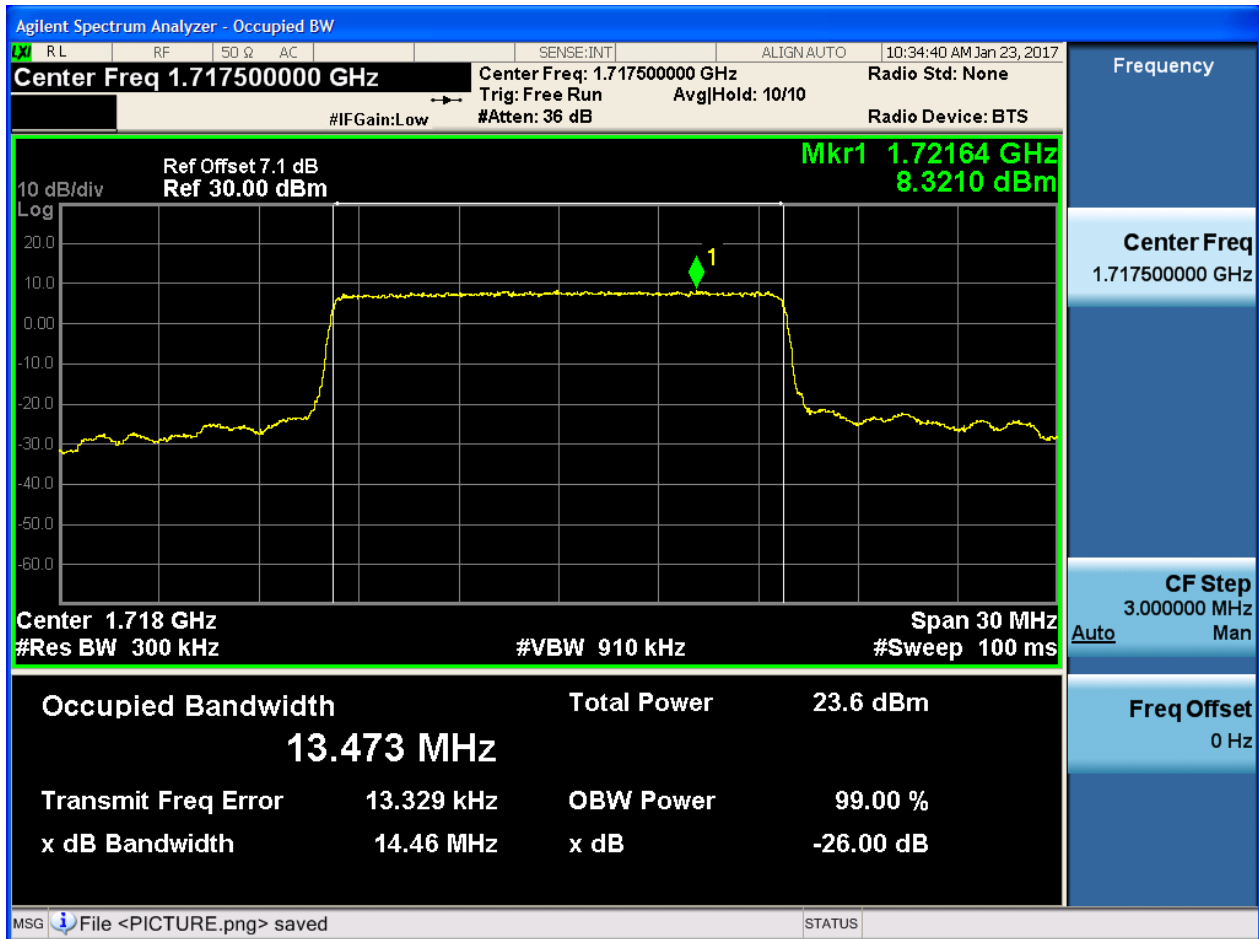




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

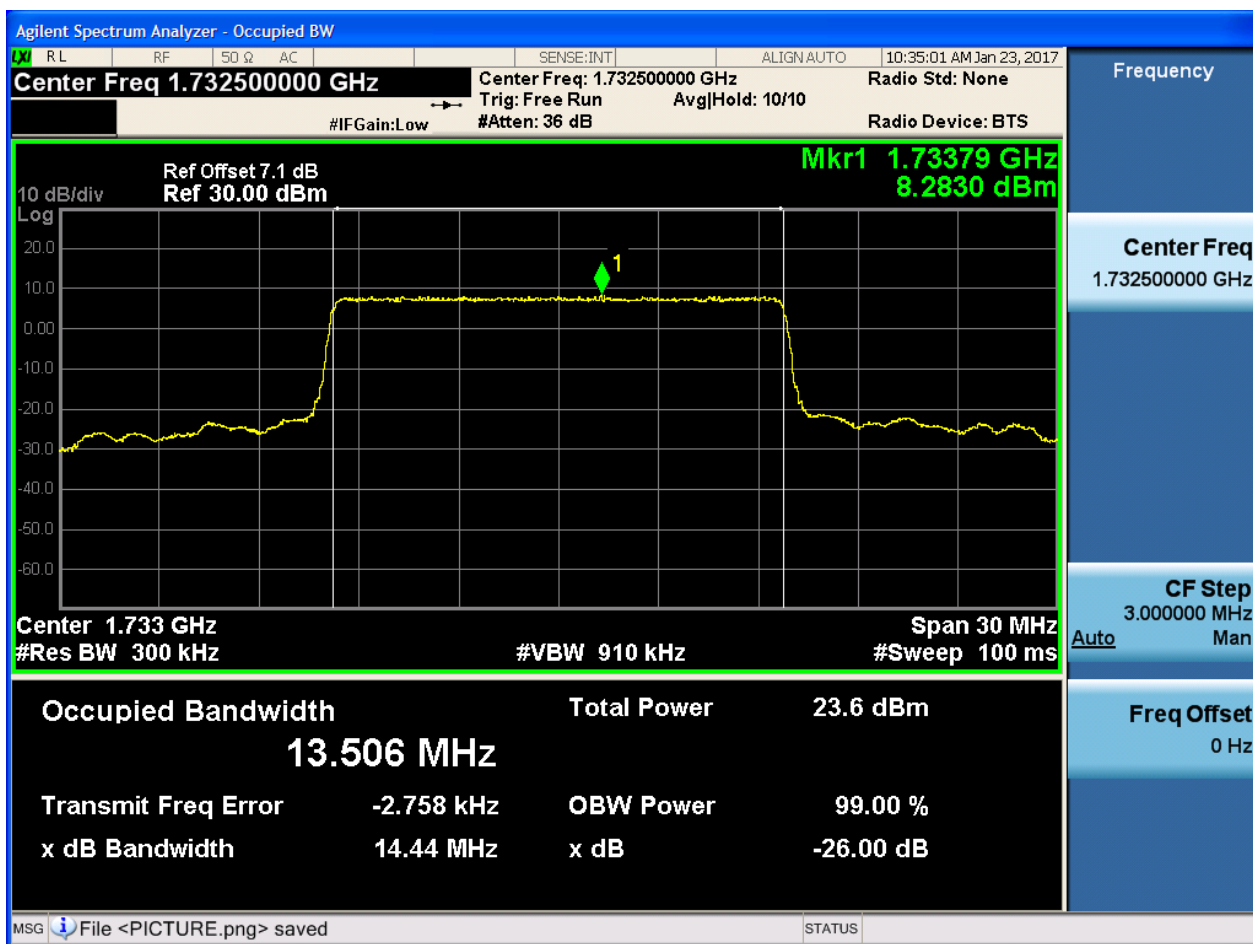
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

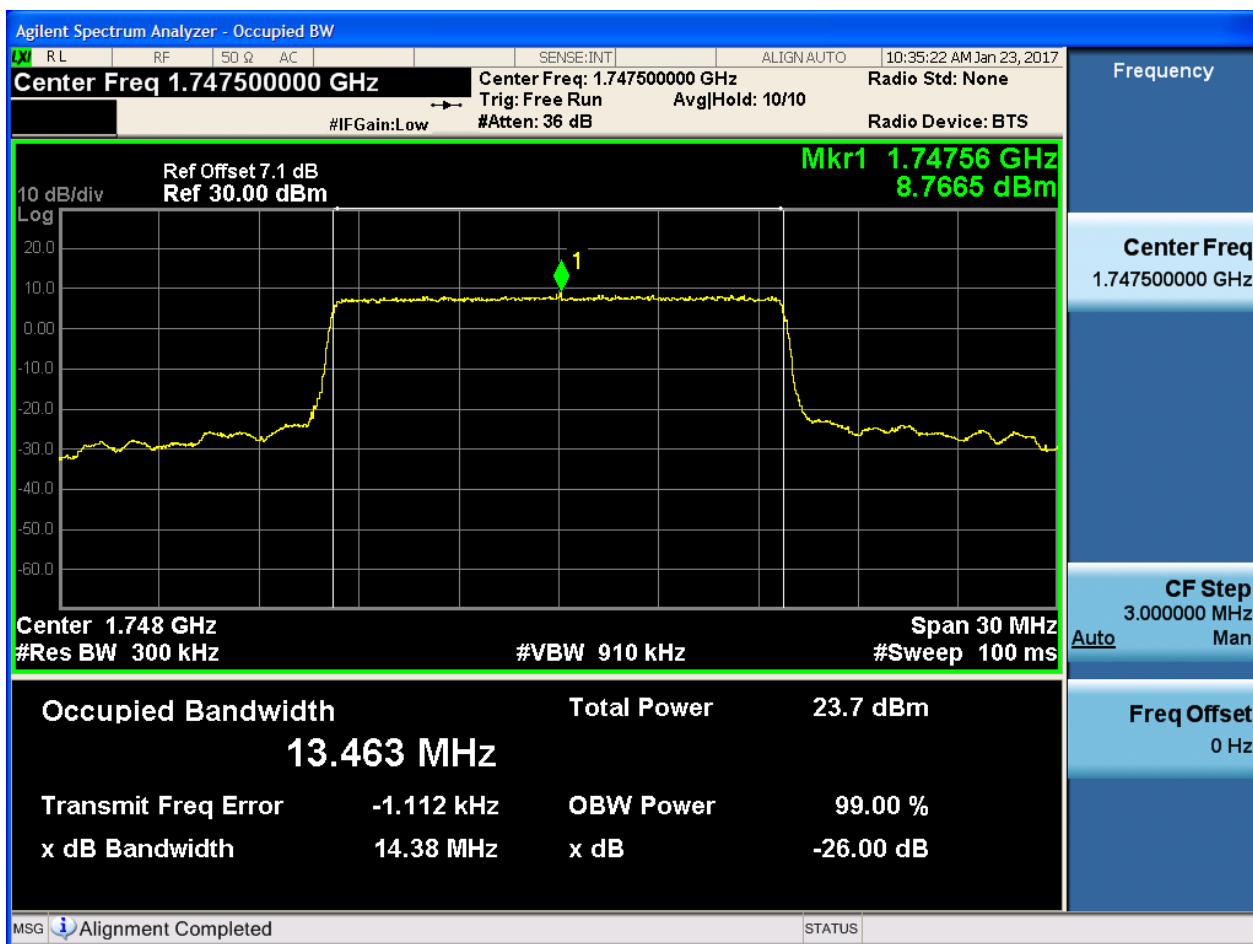
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

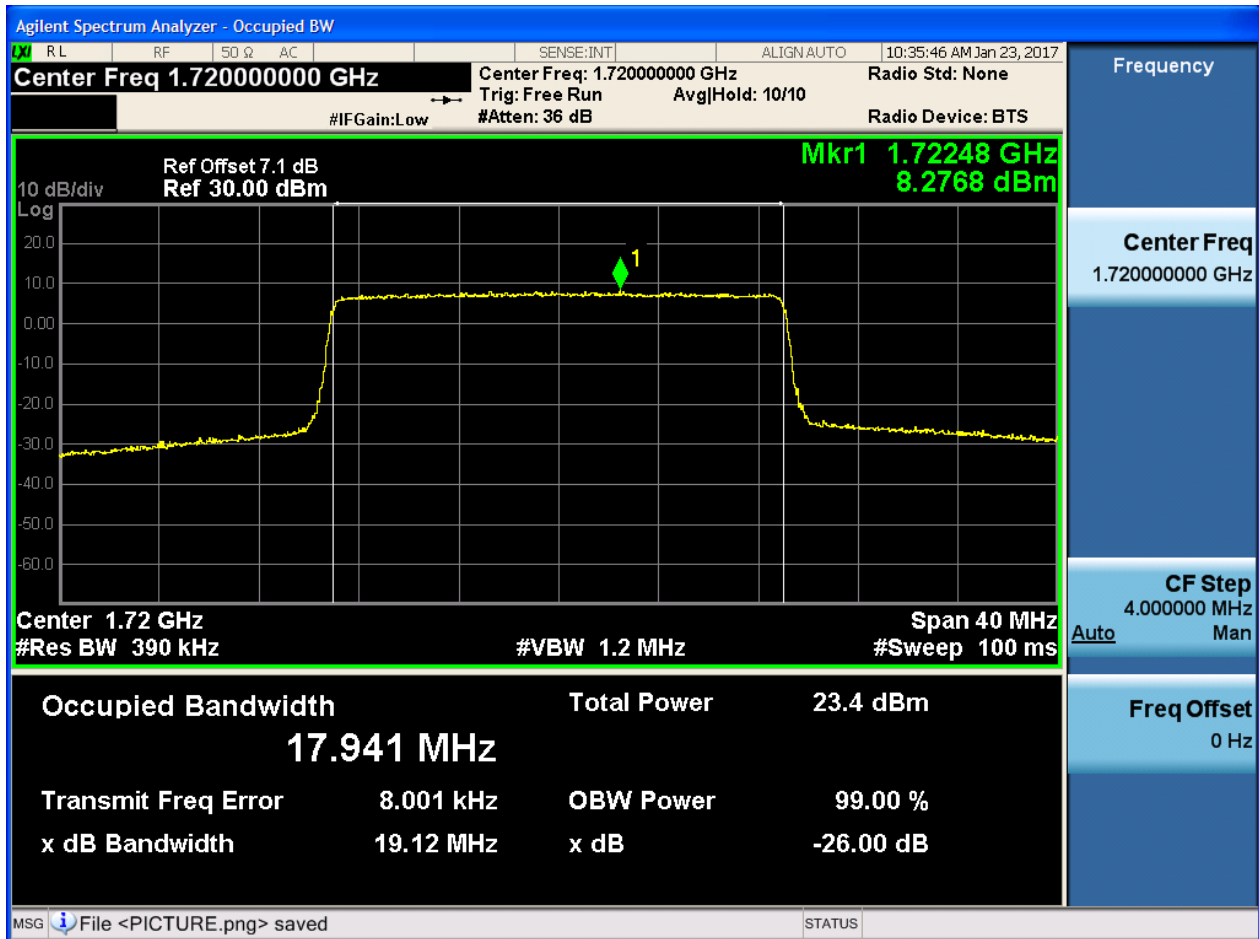




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

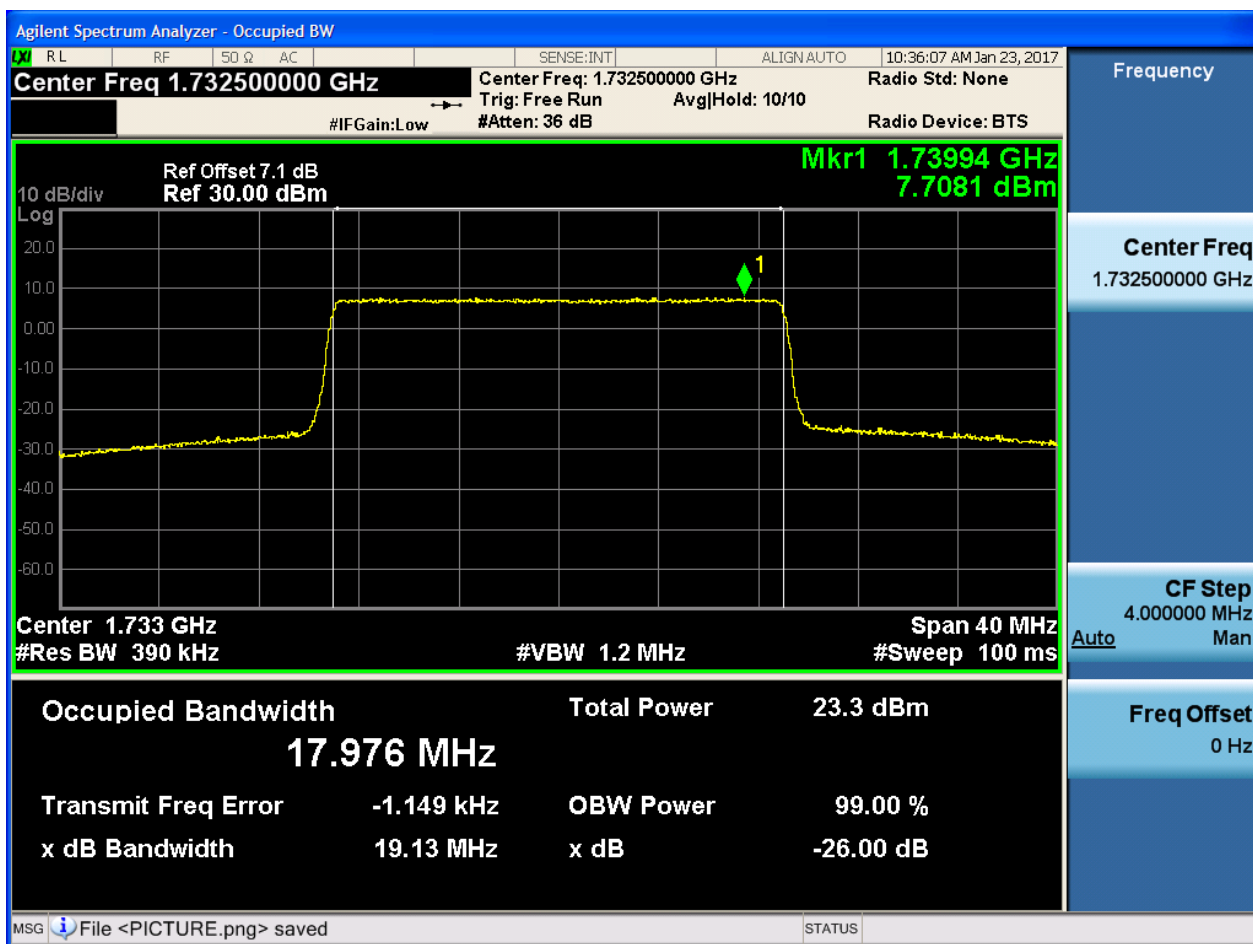
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

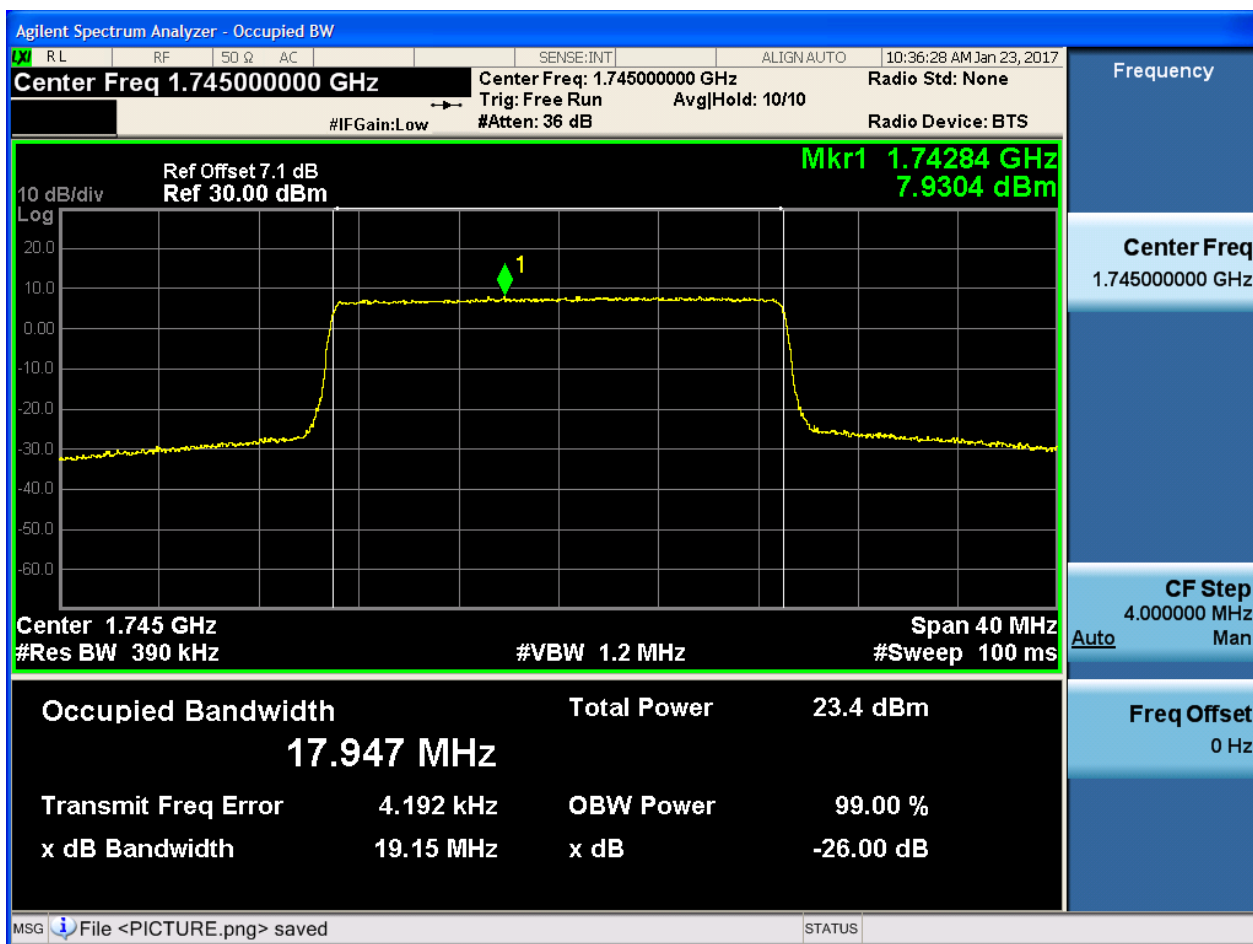
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



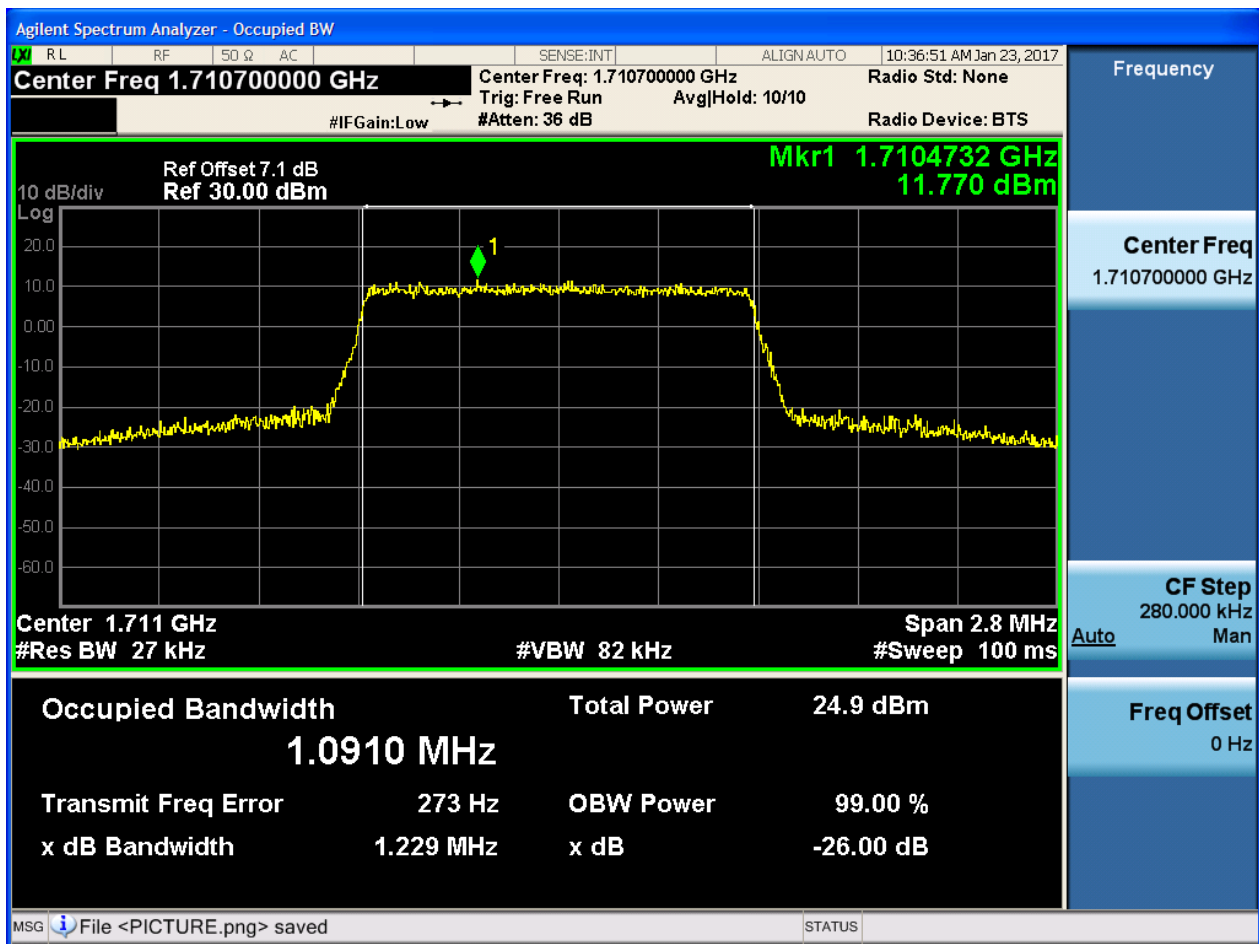


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

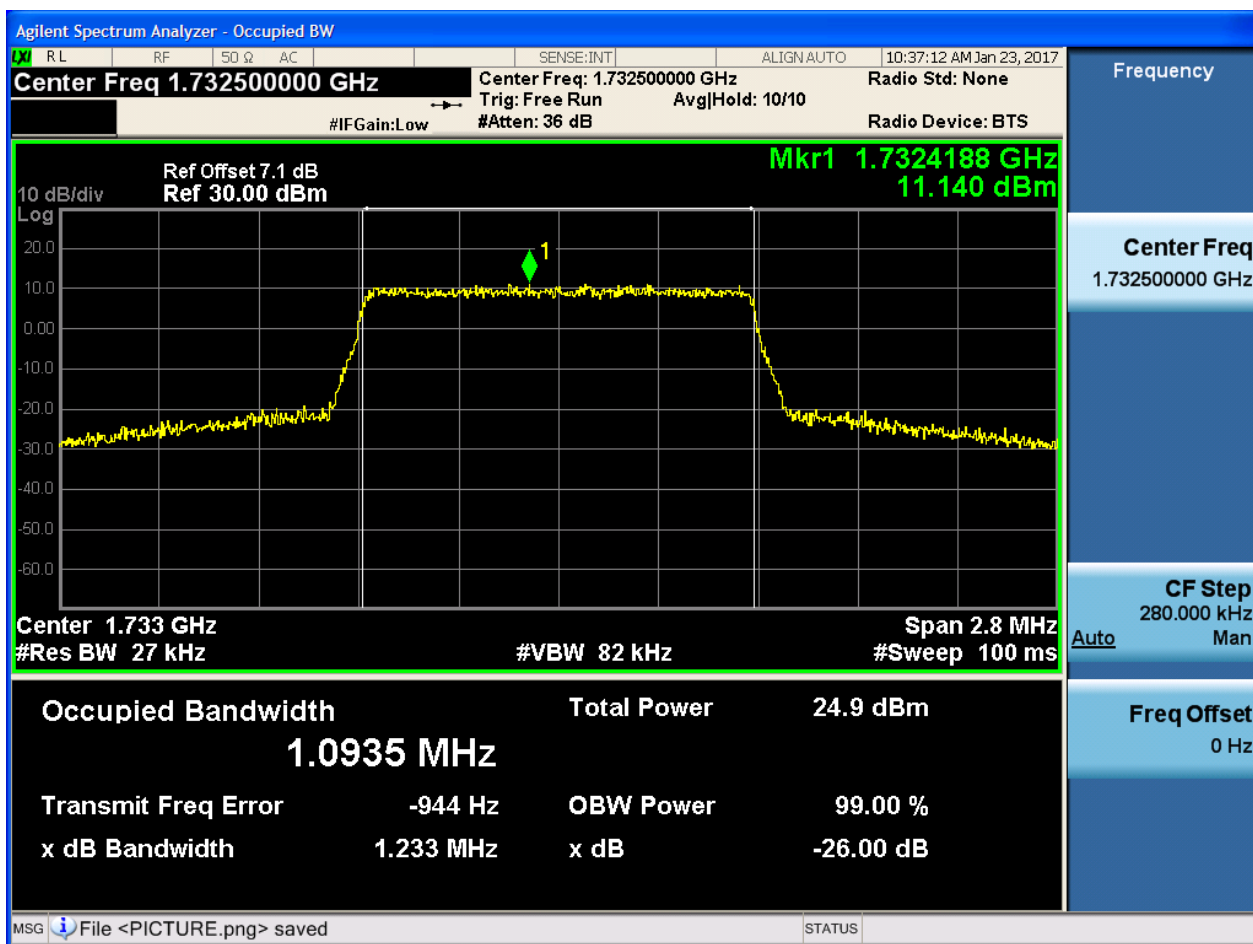
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

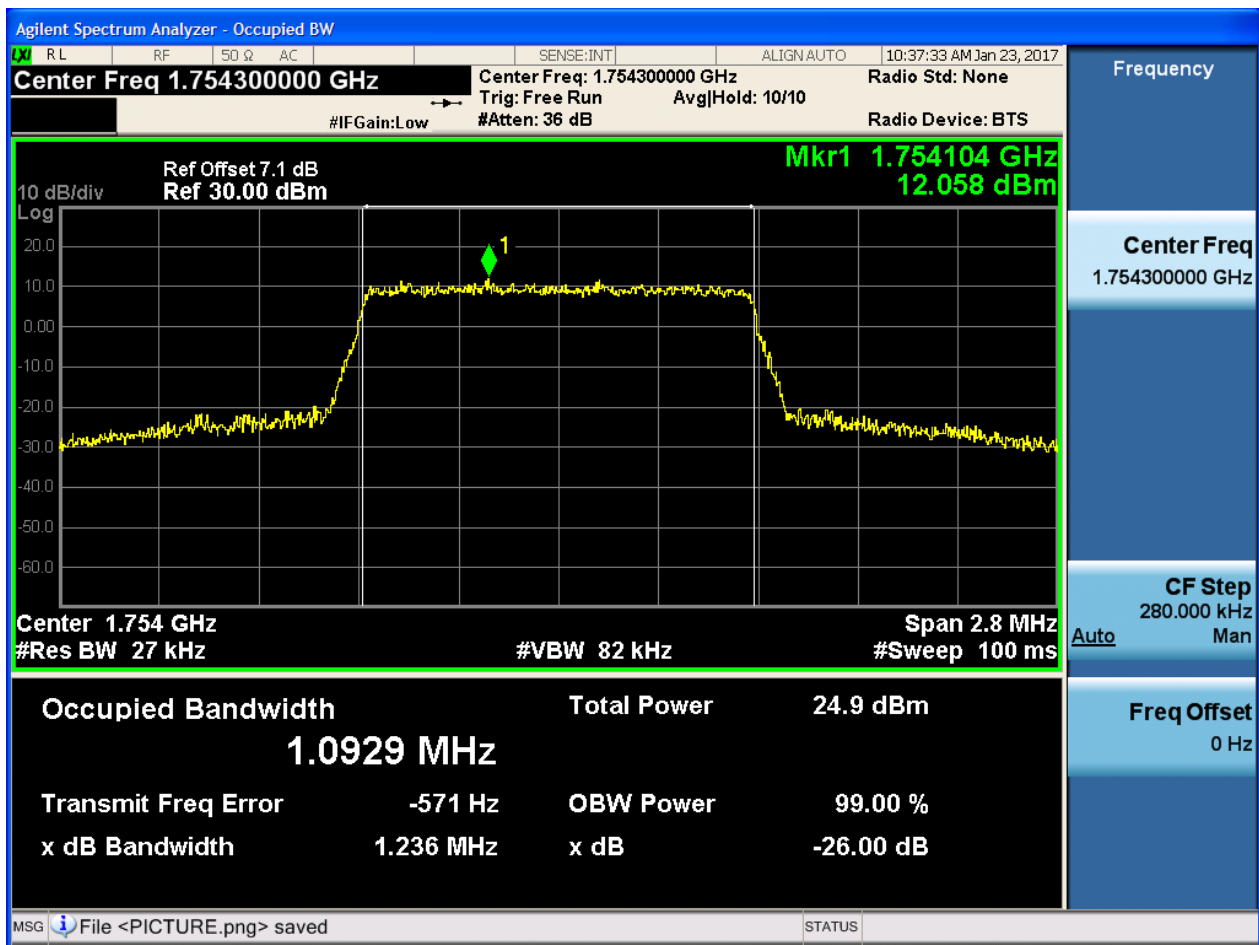
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

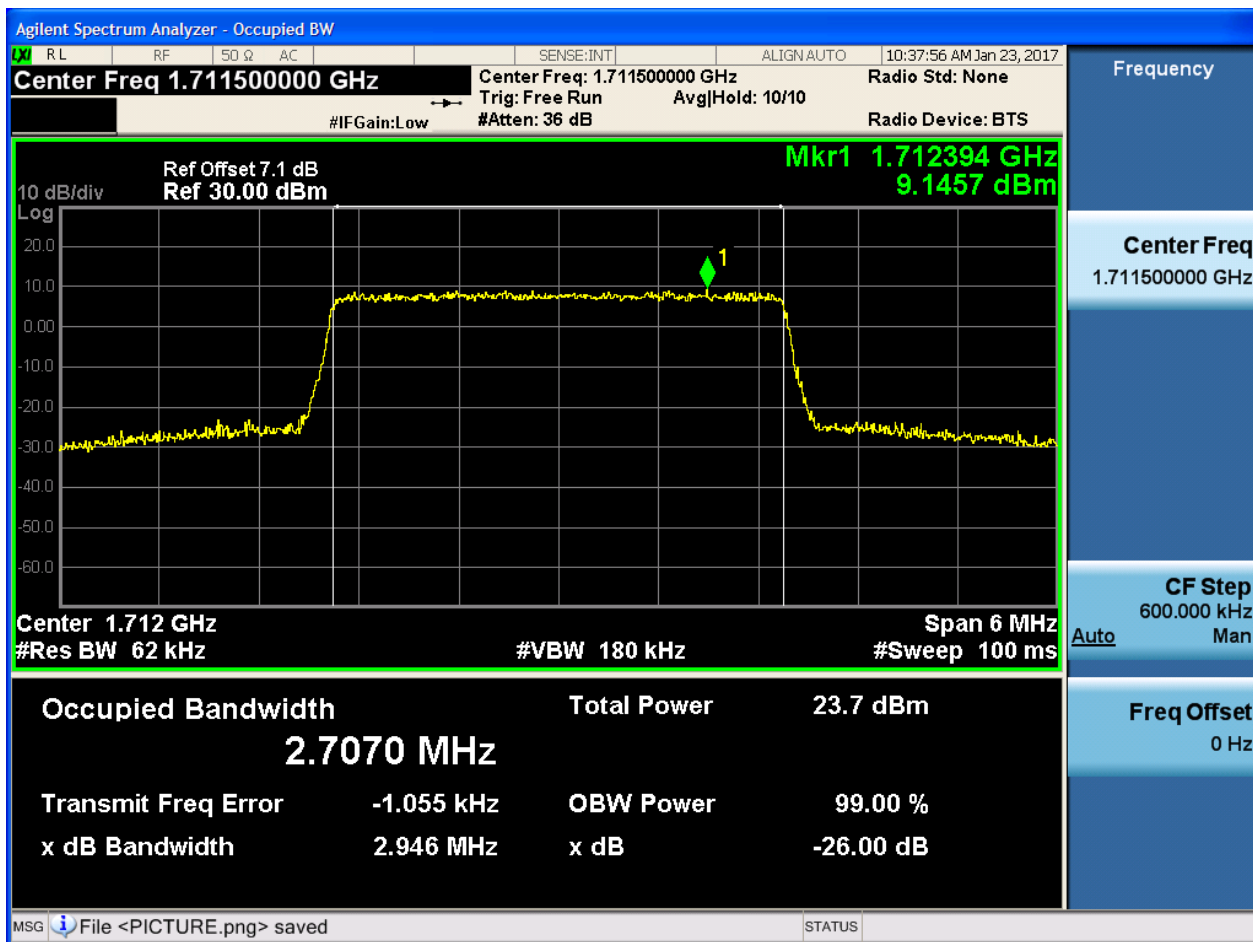




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

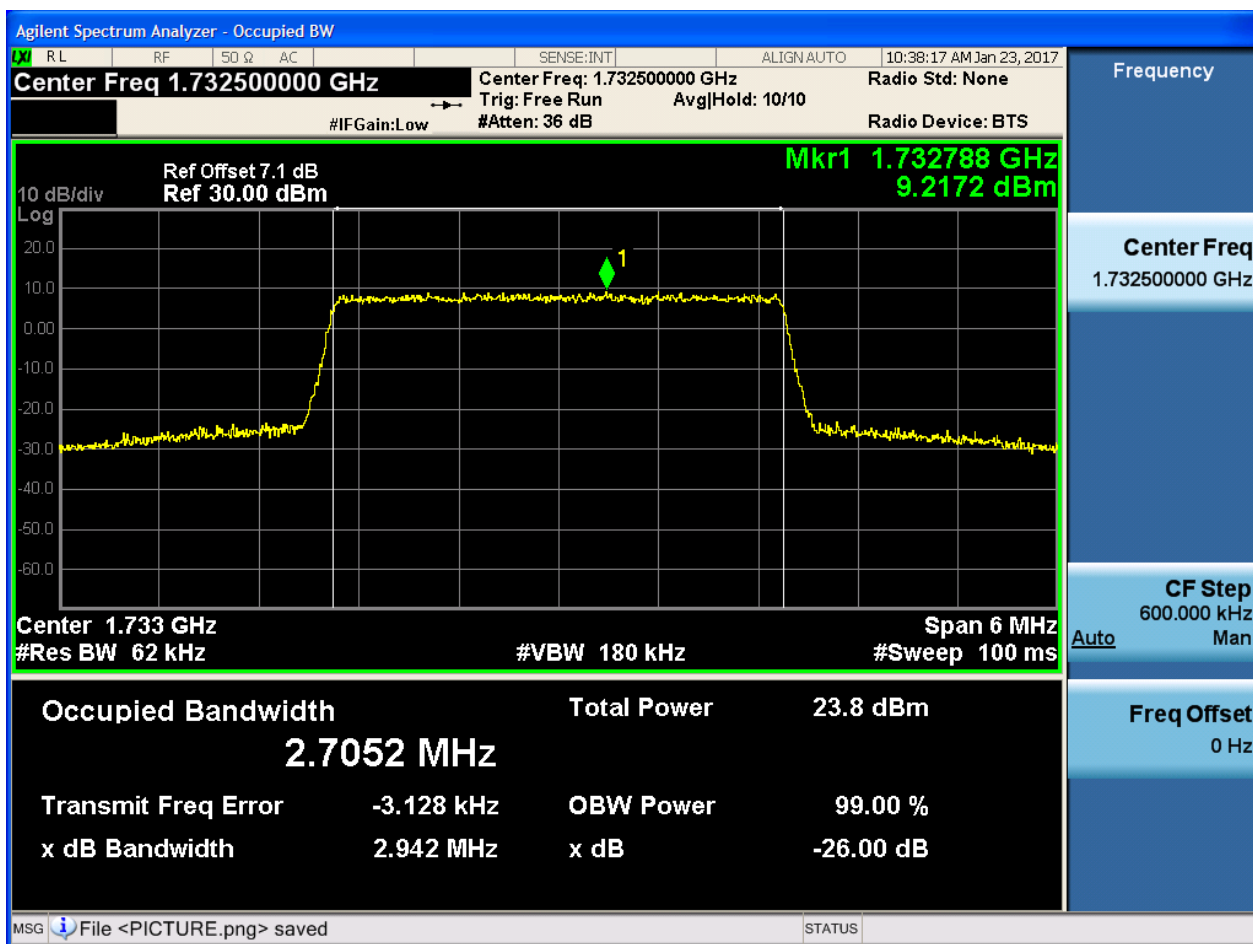
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

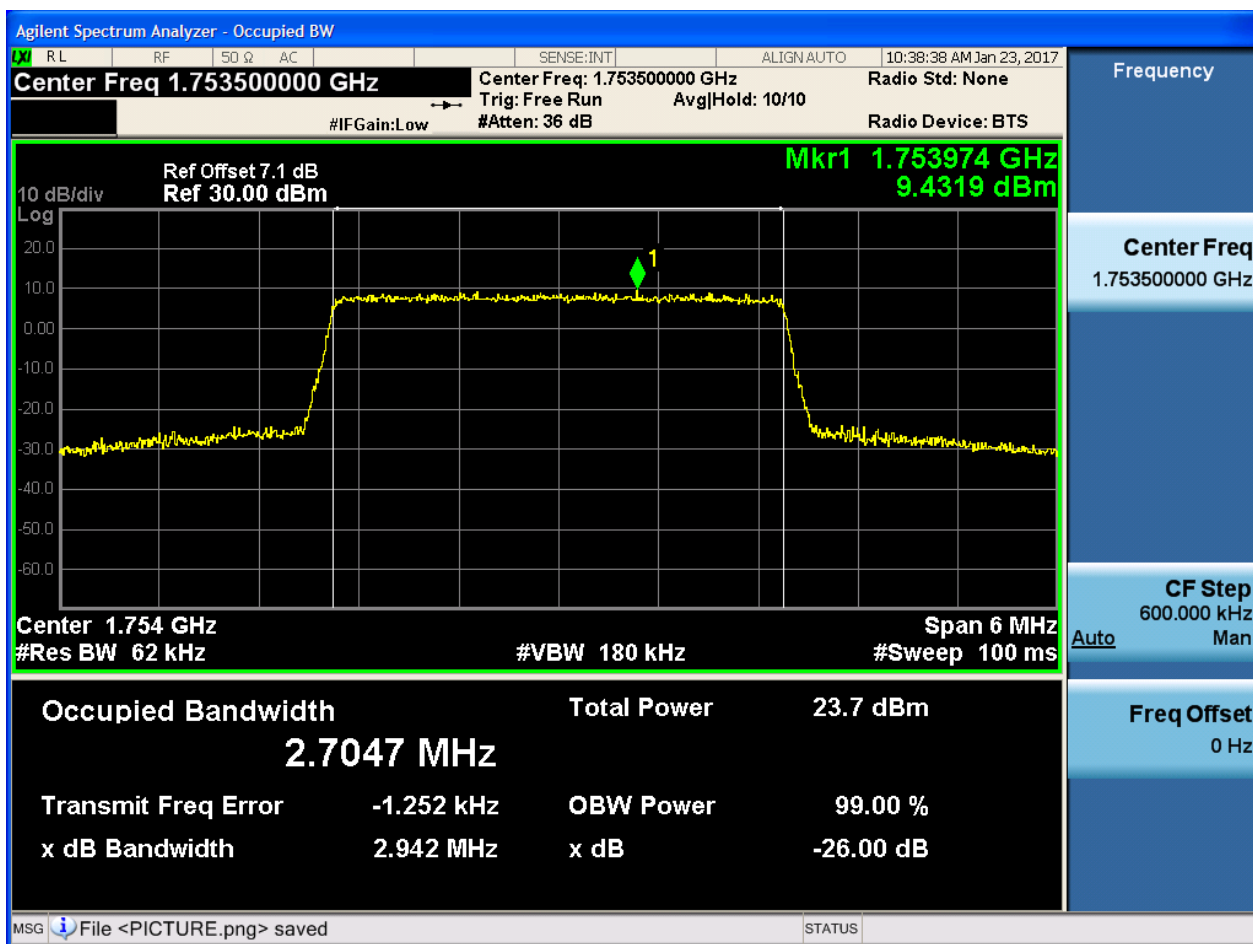
4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

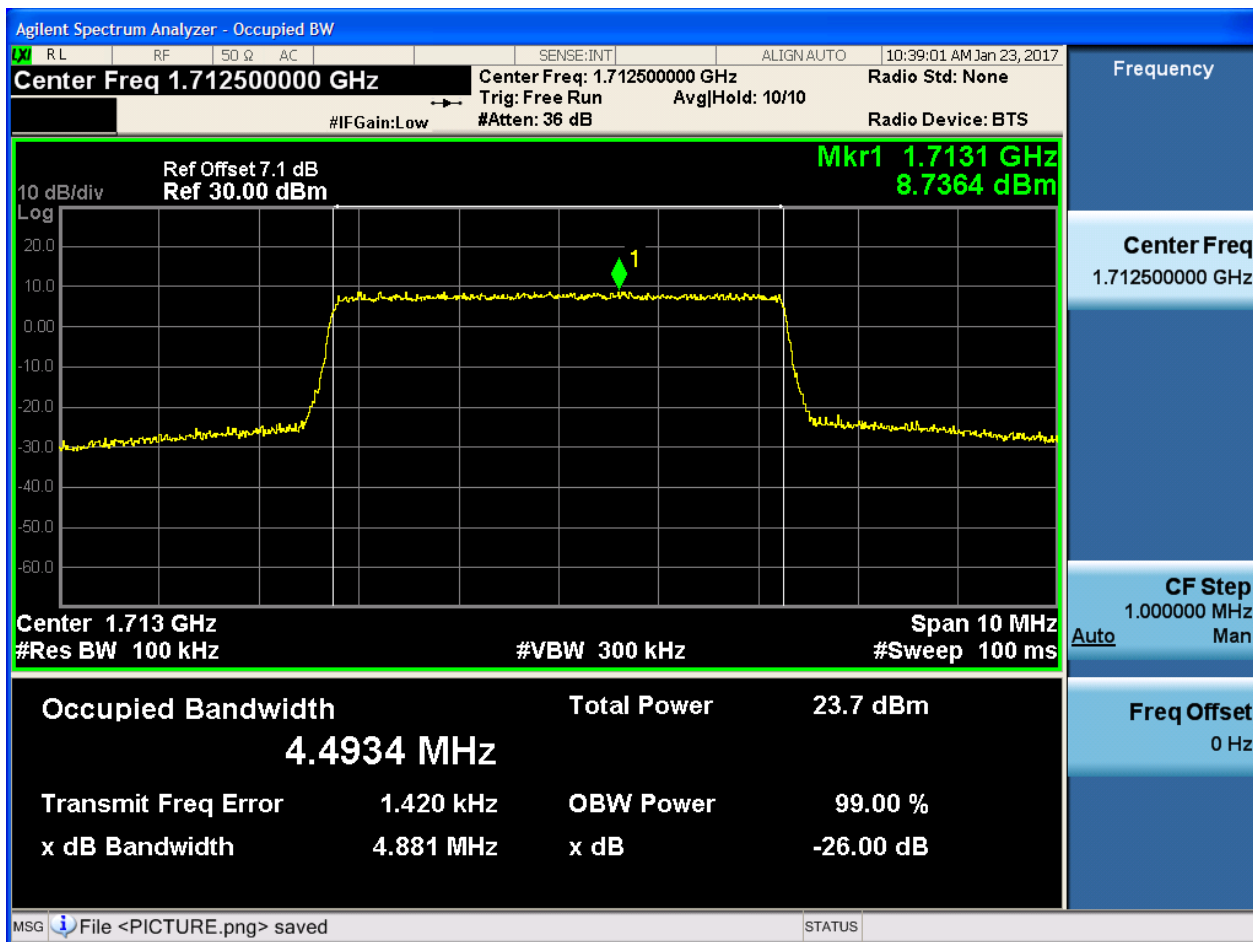




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

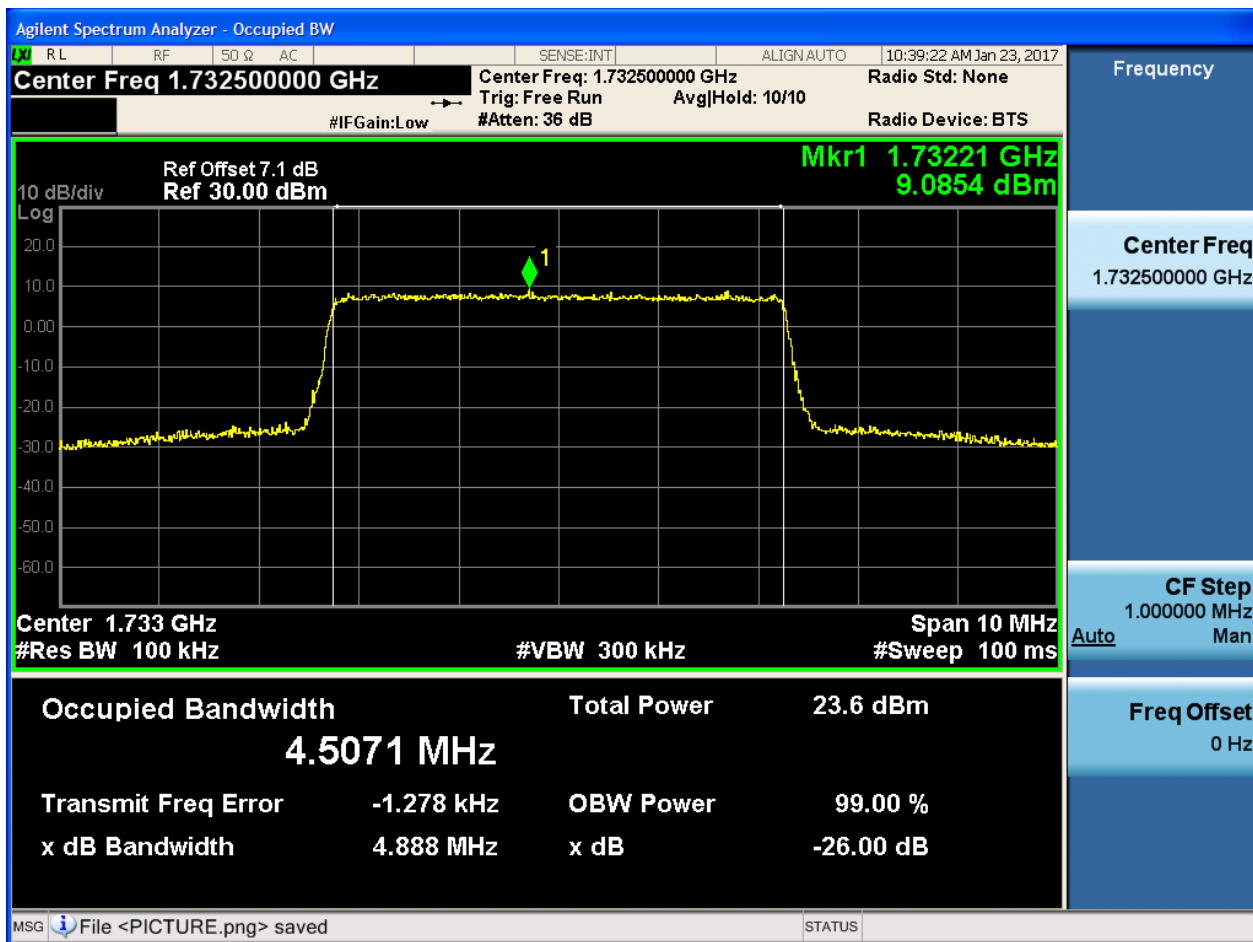
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

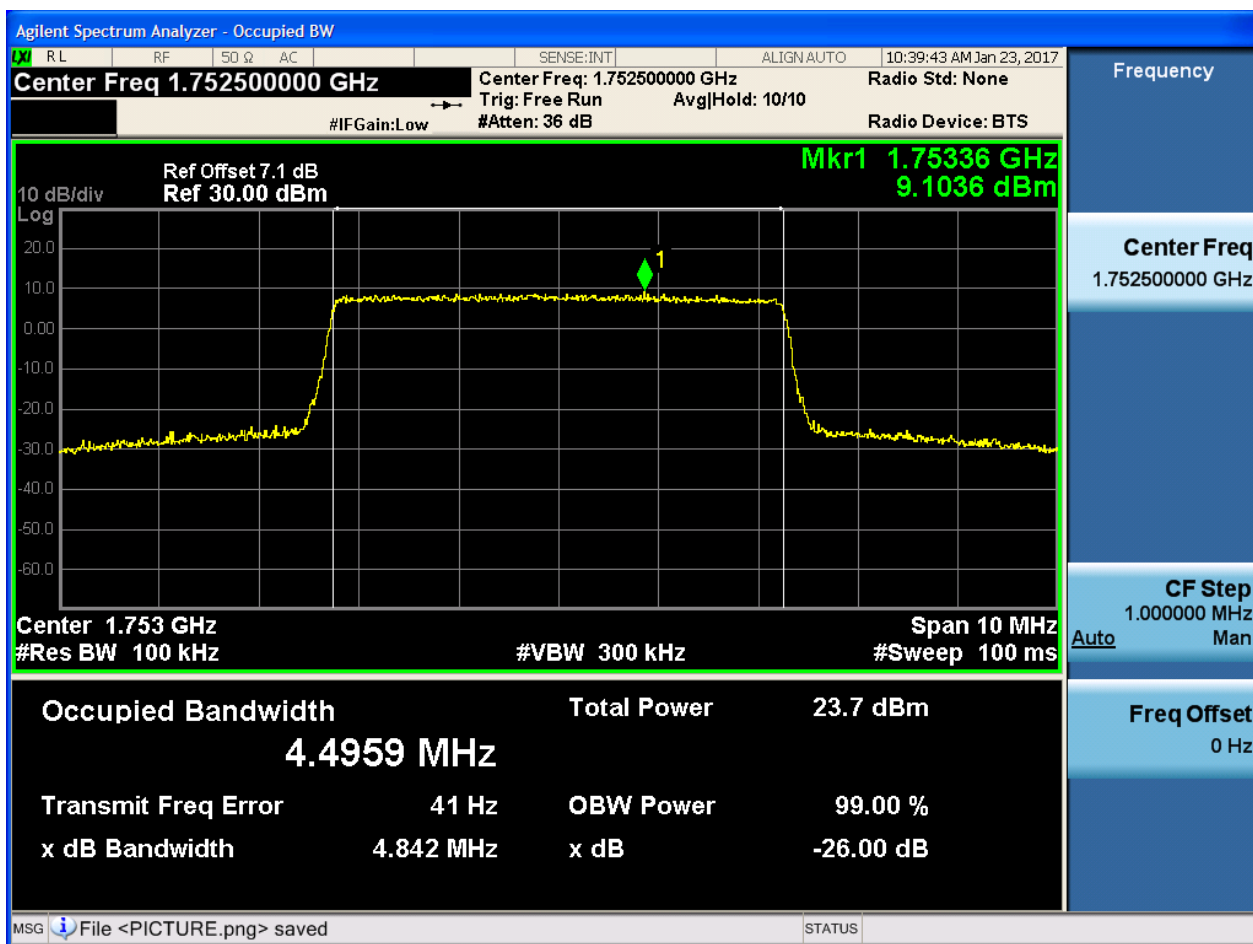
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

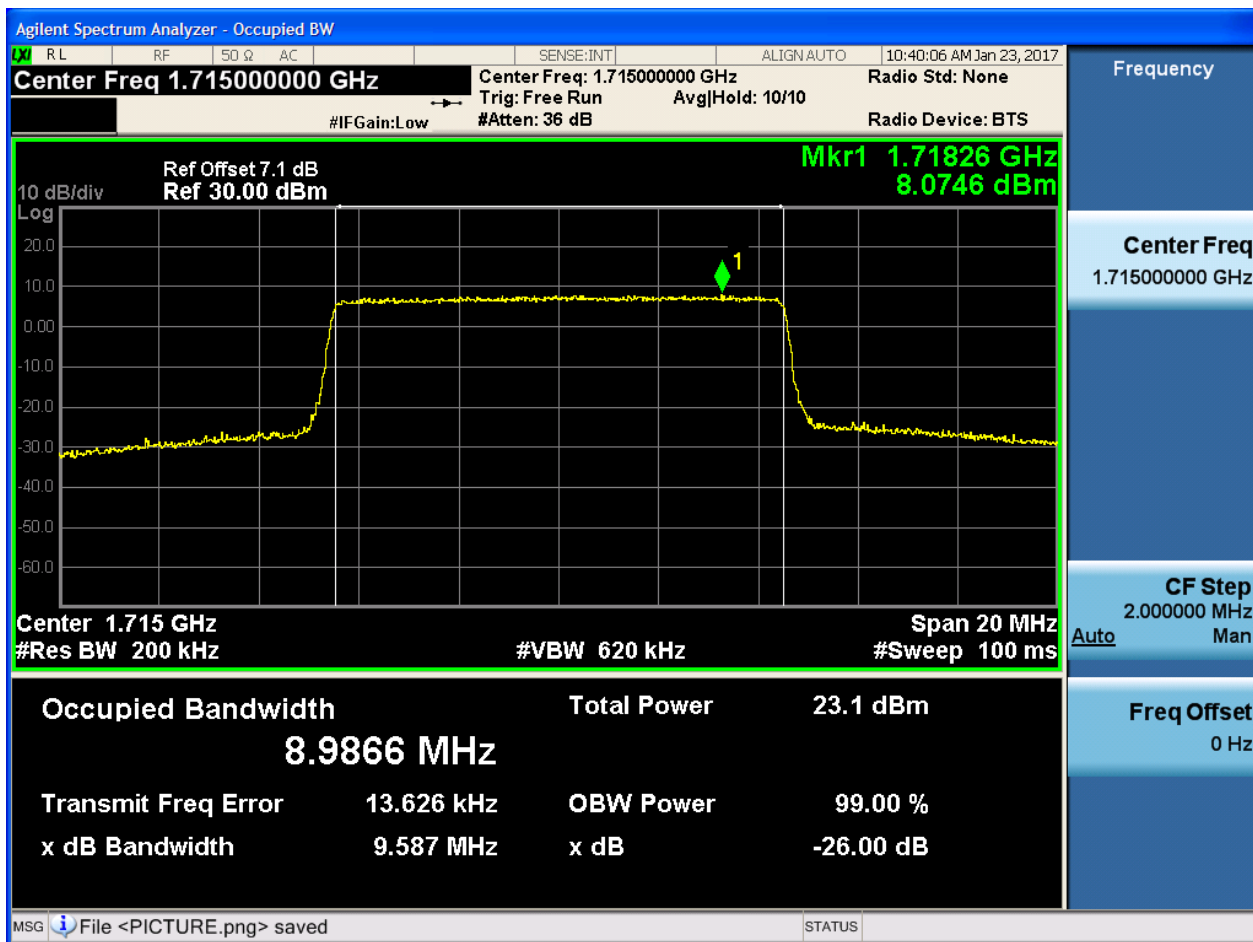




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

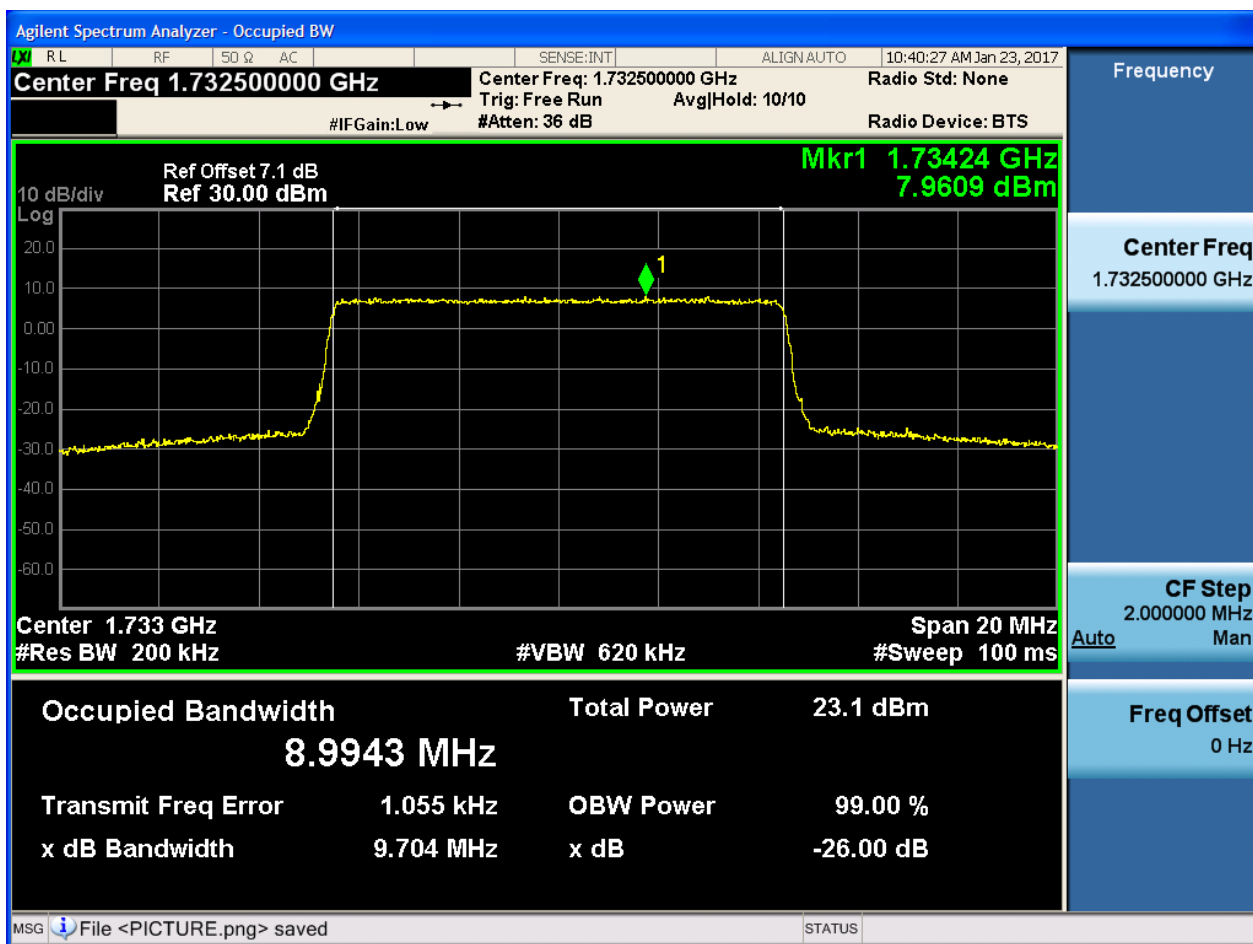
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

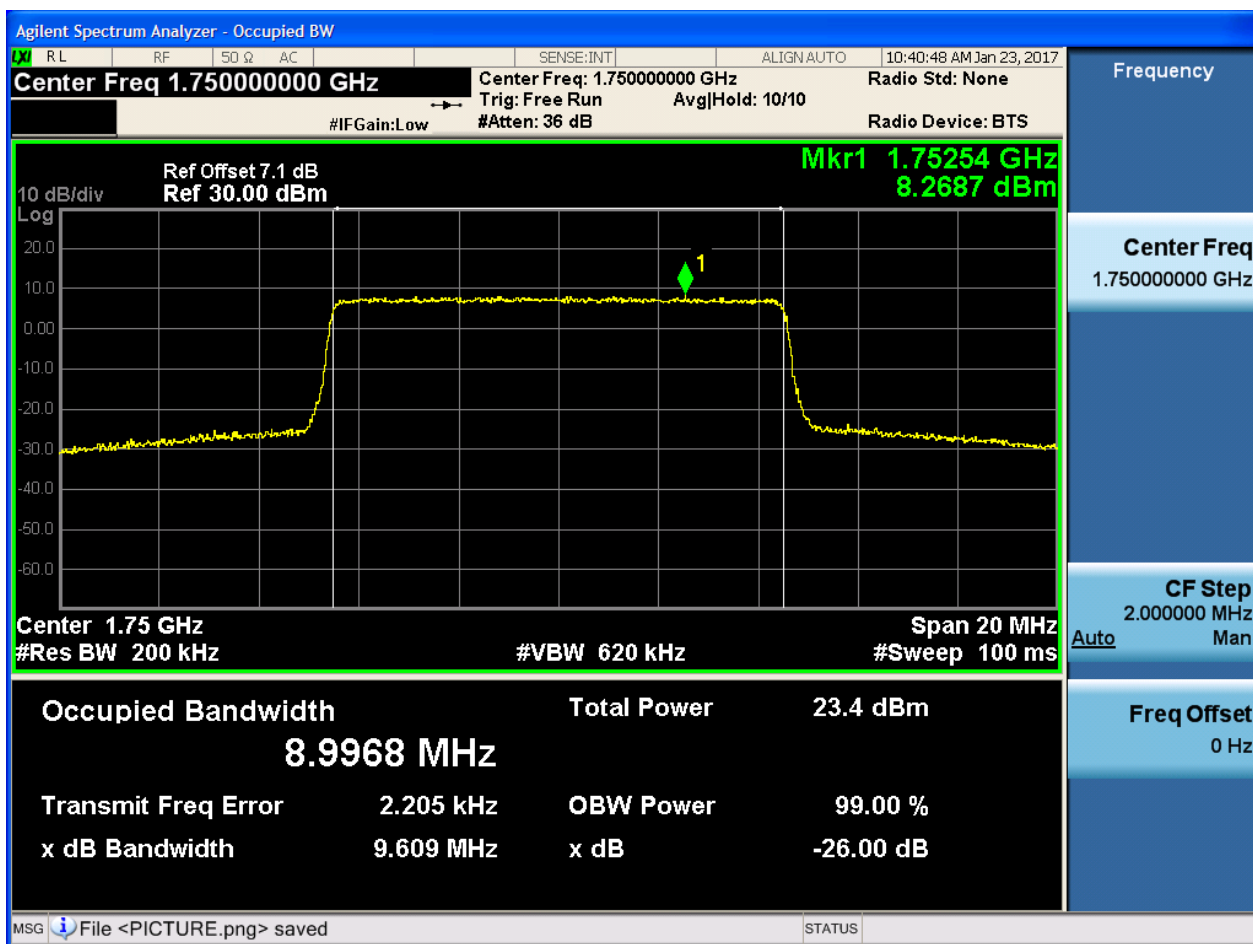
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

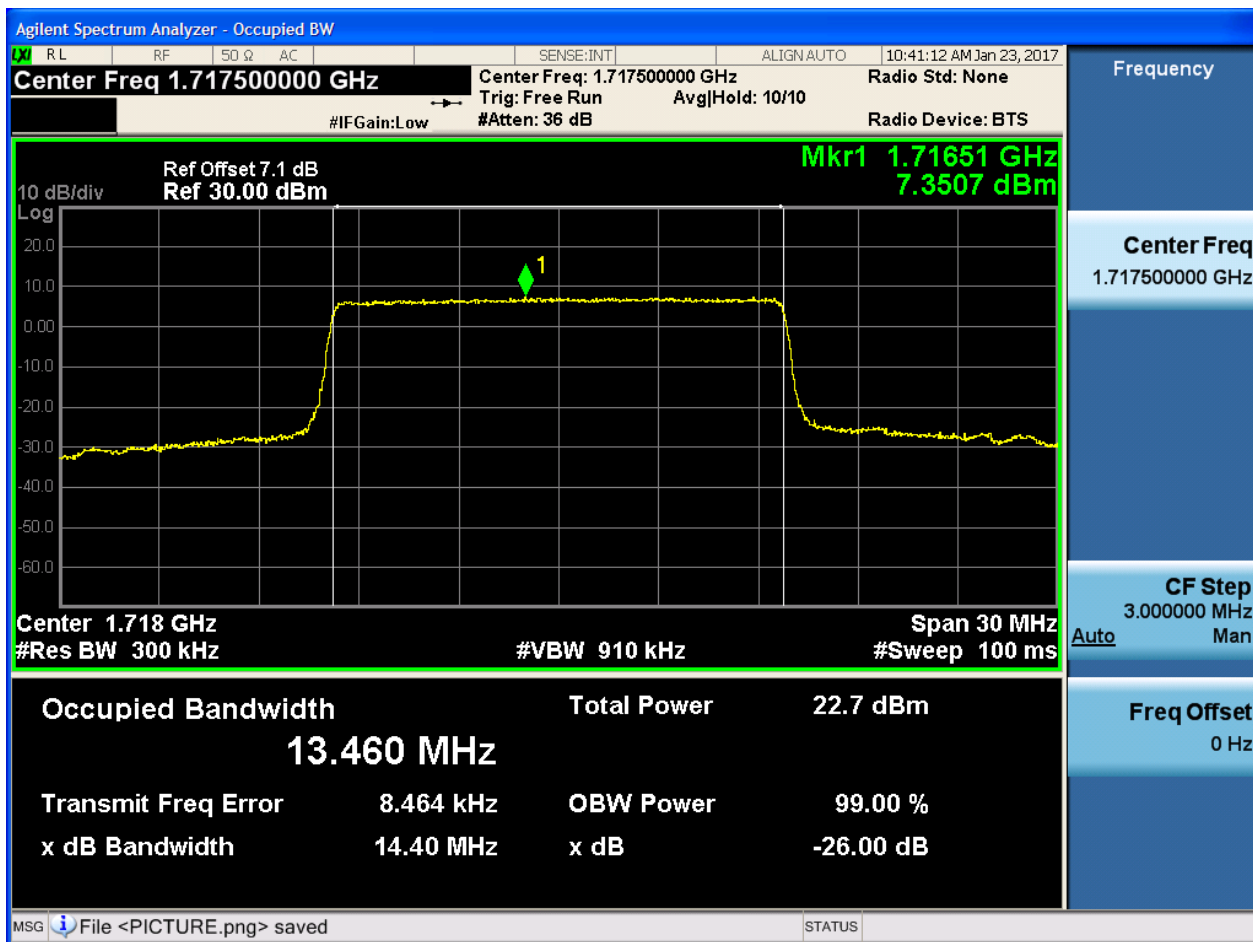




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

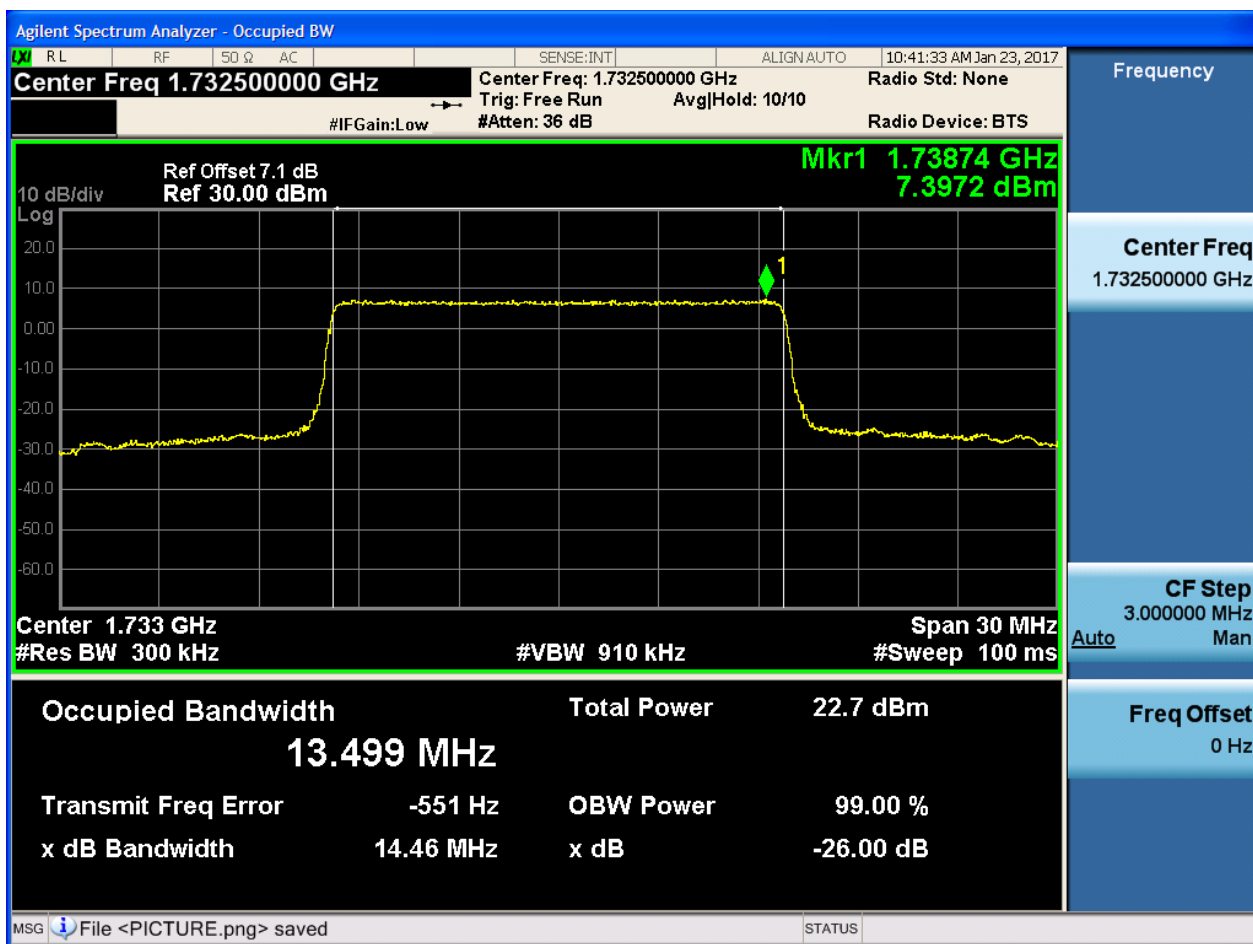
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

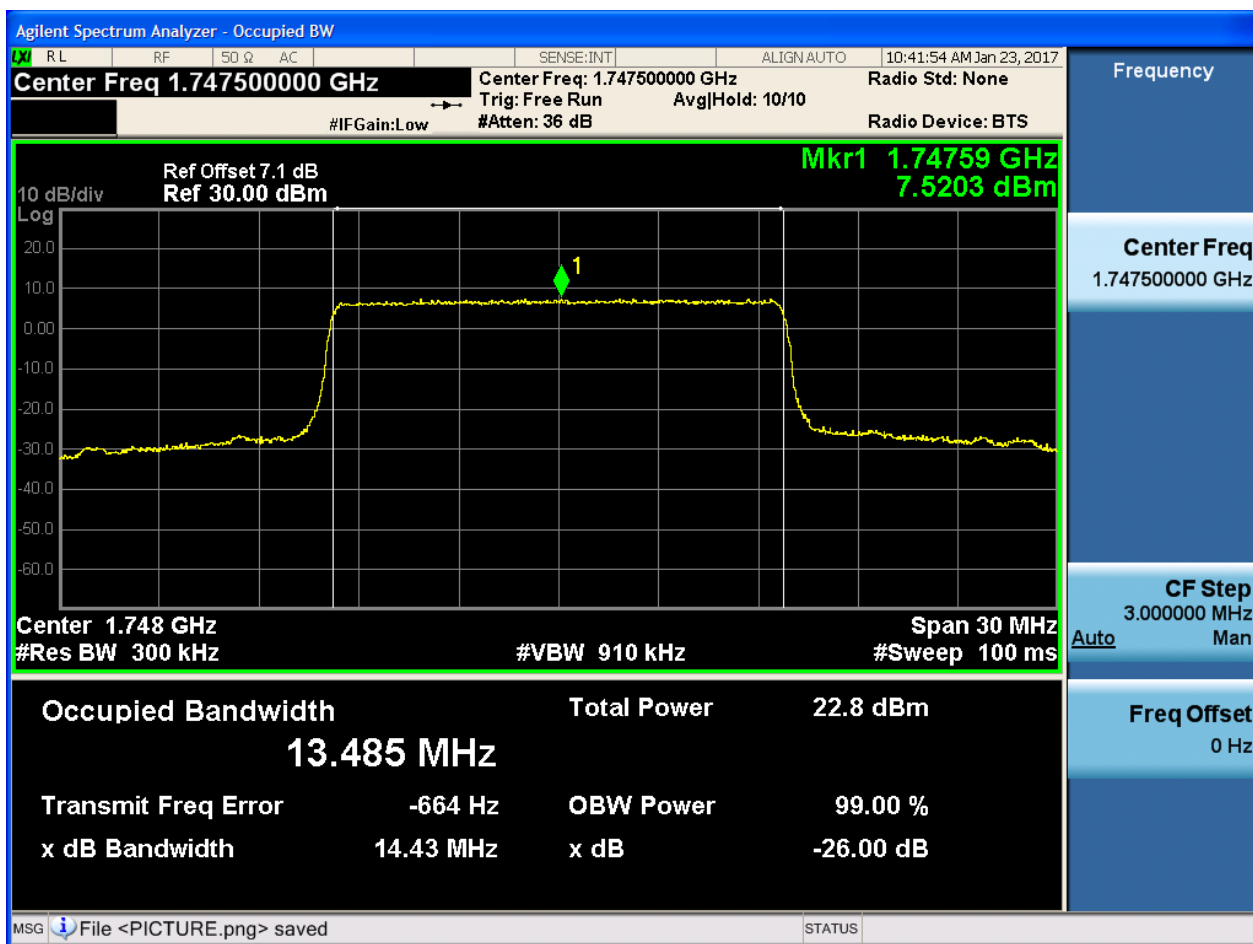
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

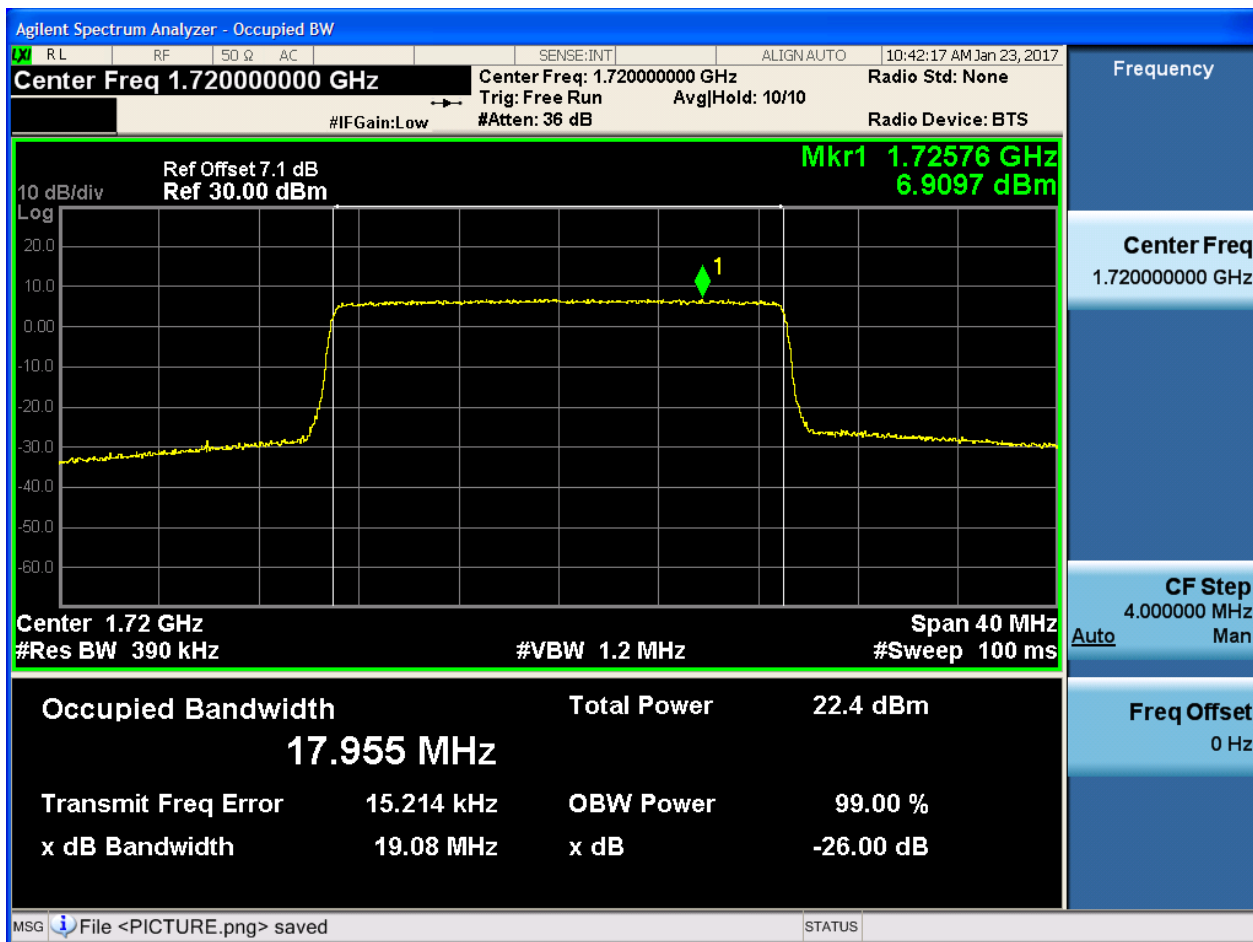




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

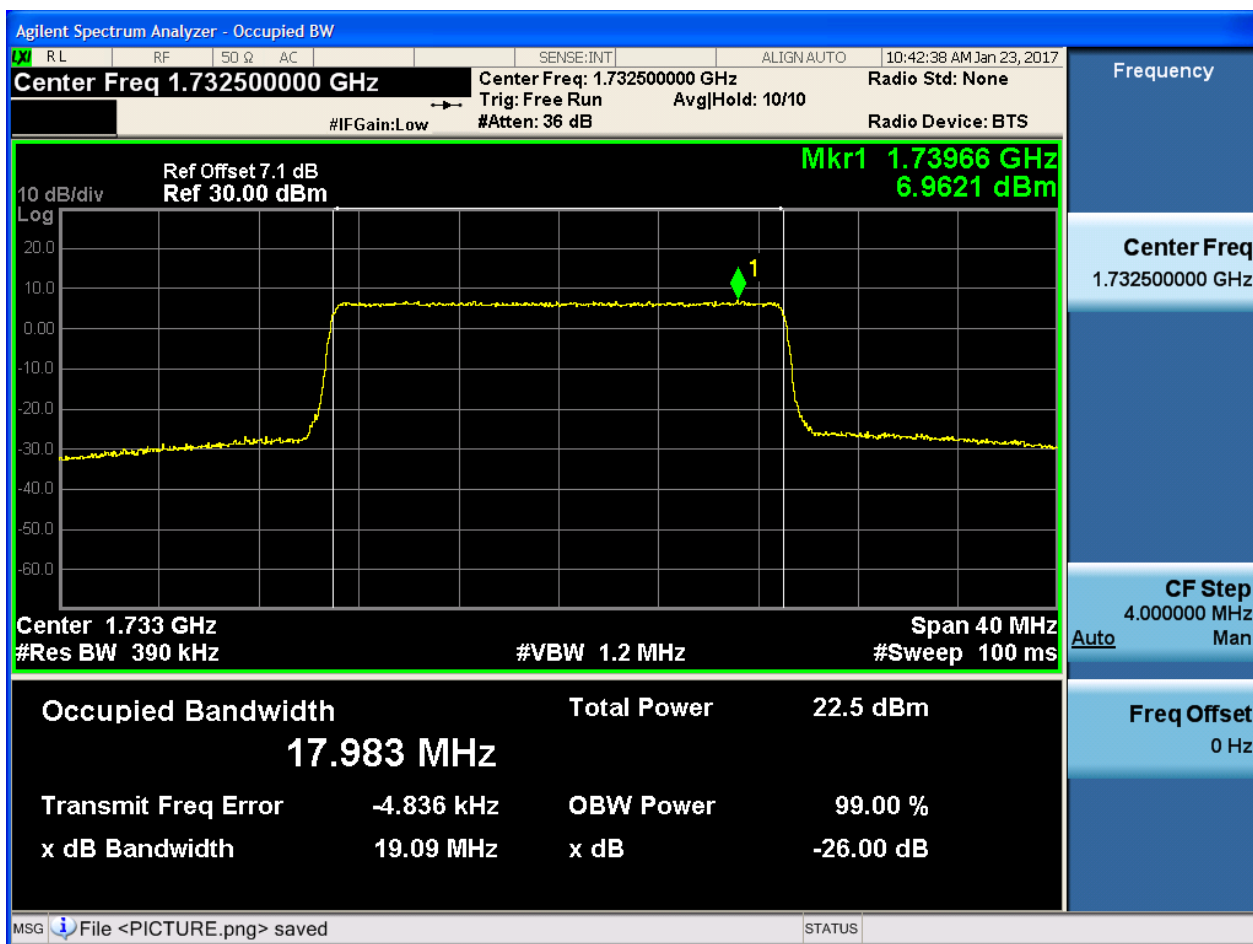
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

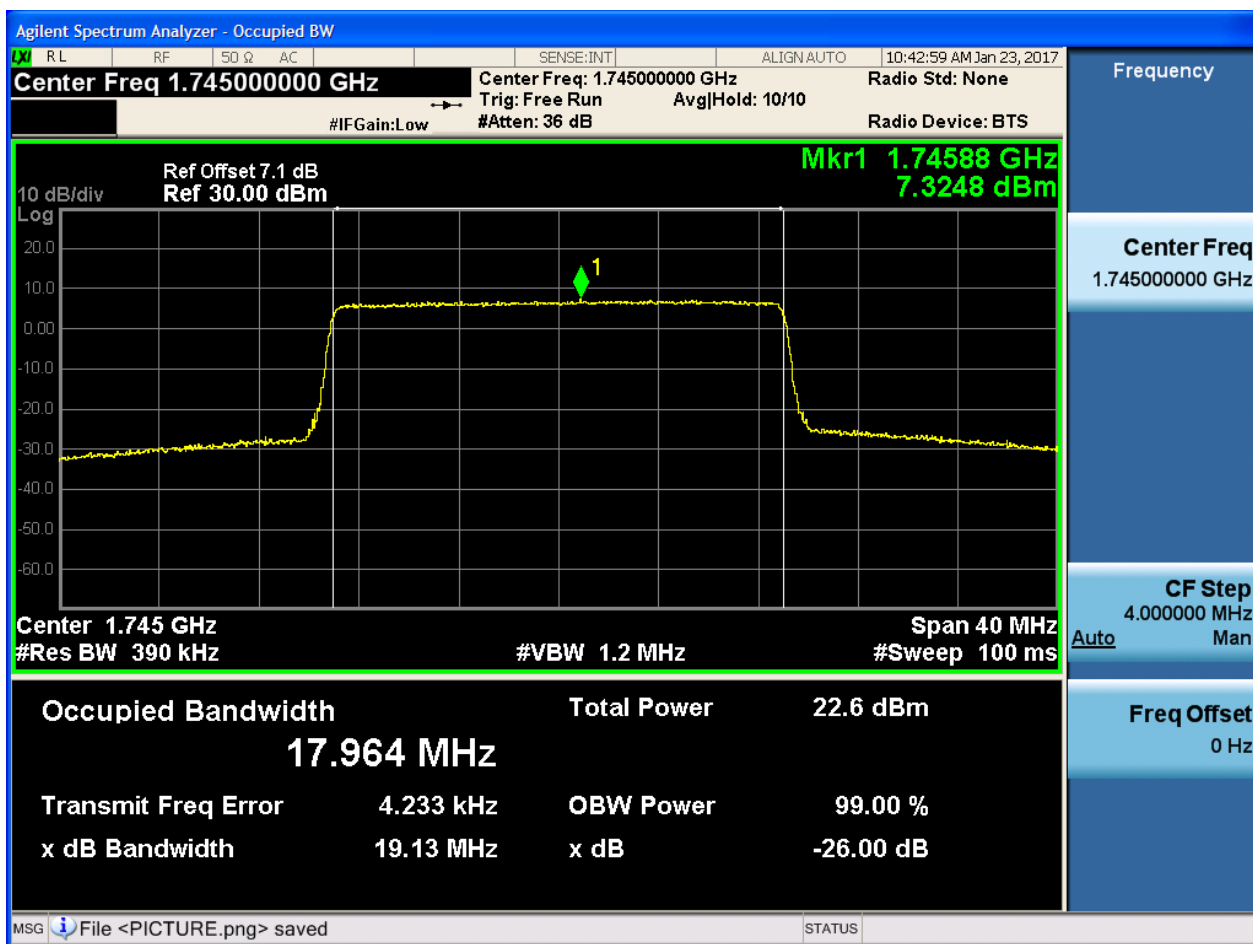
4.1.1.2.6.2.1 Test RB = RB100#0





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

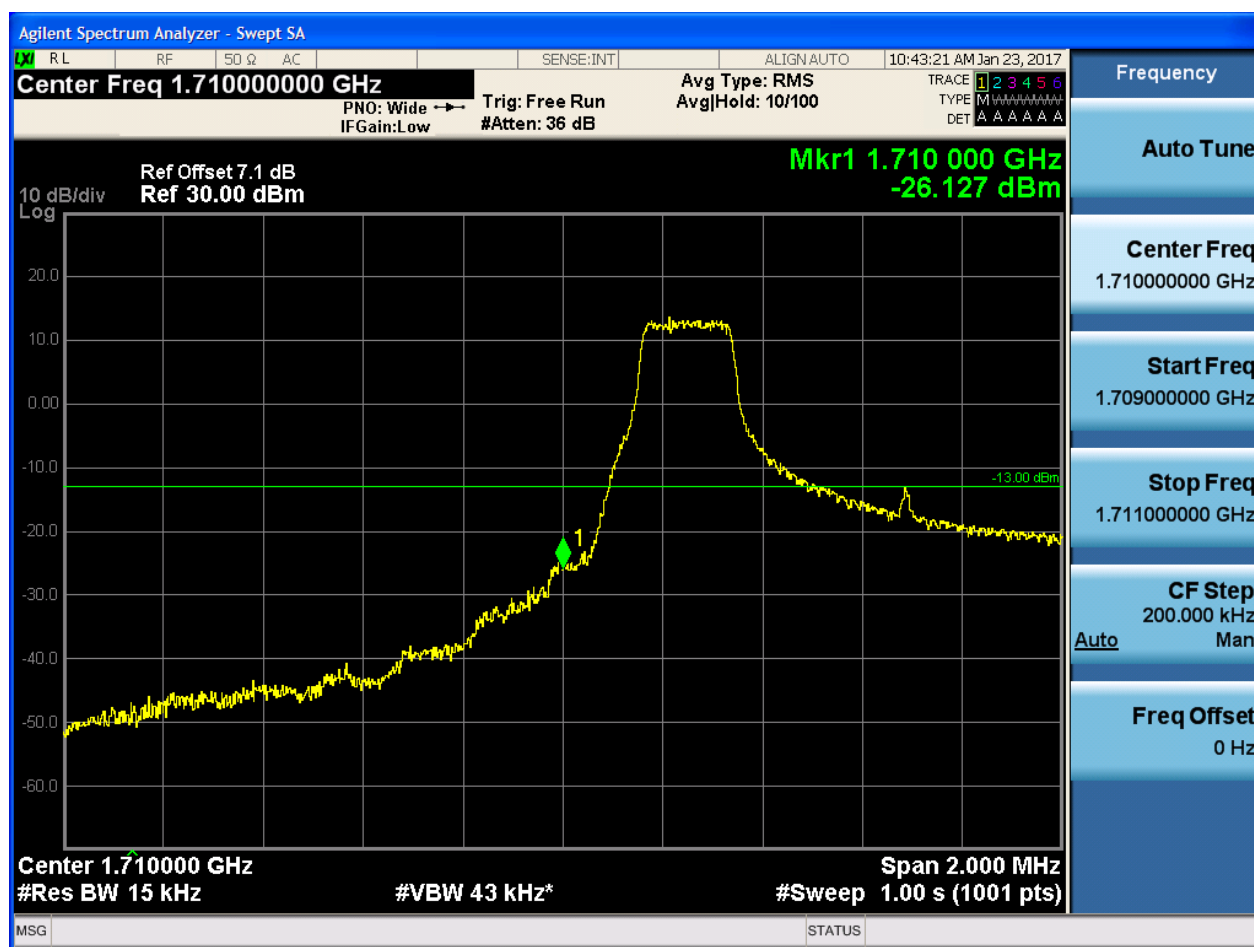
5.1.1 Test Band = BAND4

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



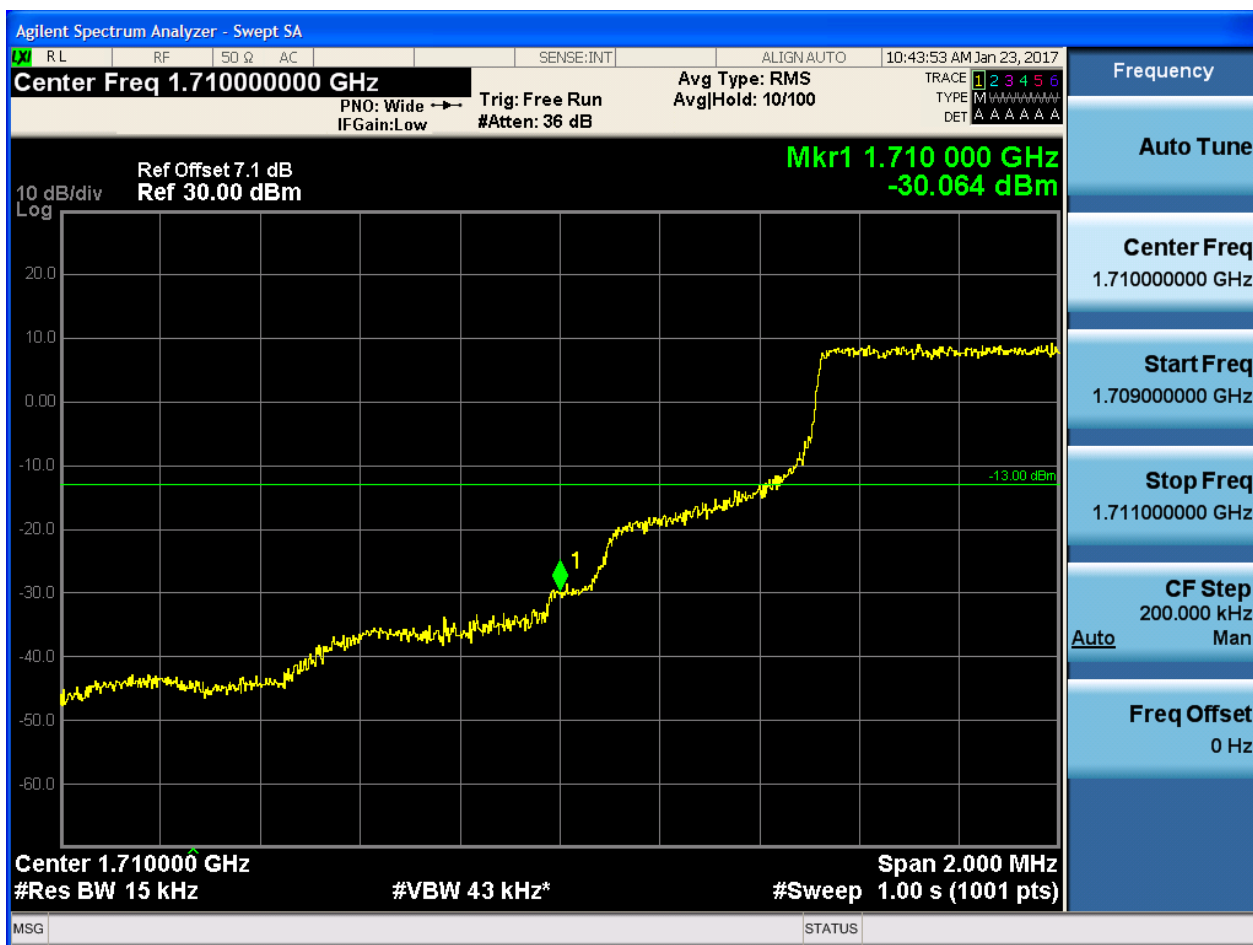


5.1.1.1.1.2 Test RB = RB1#5



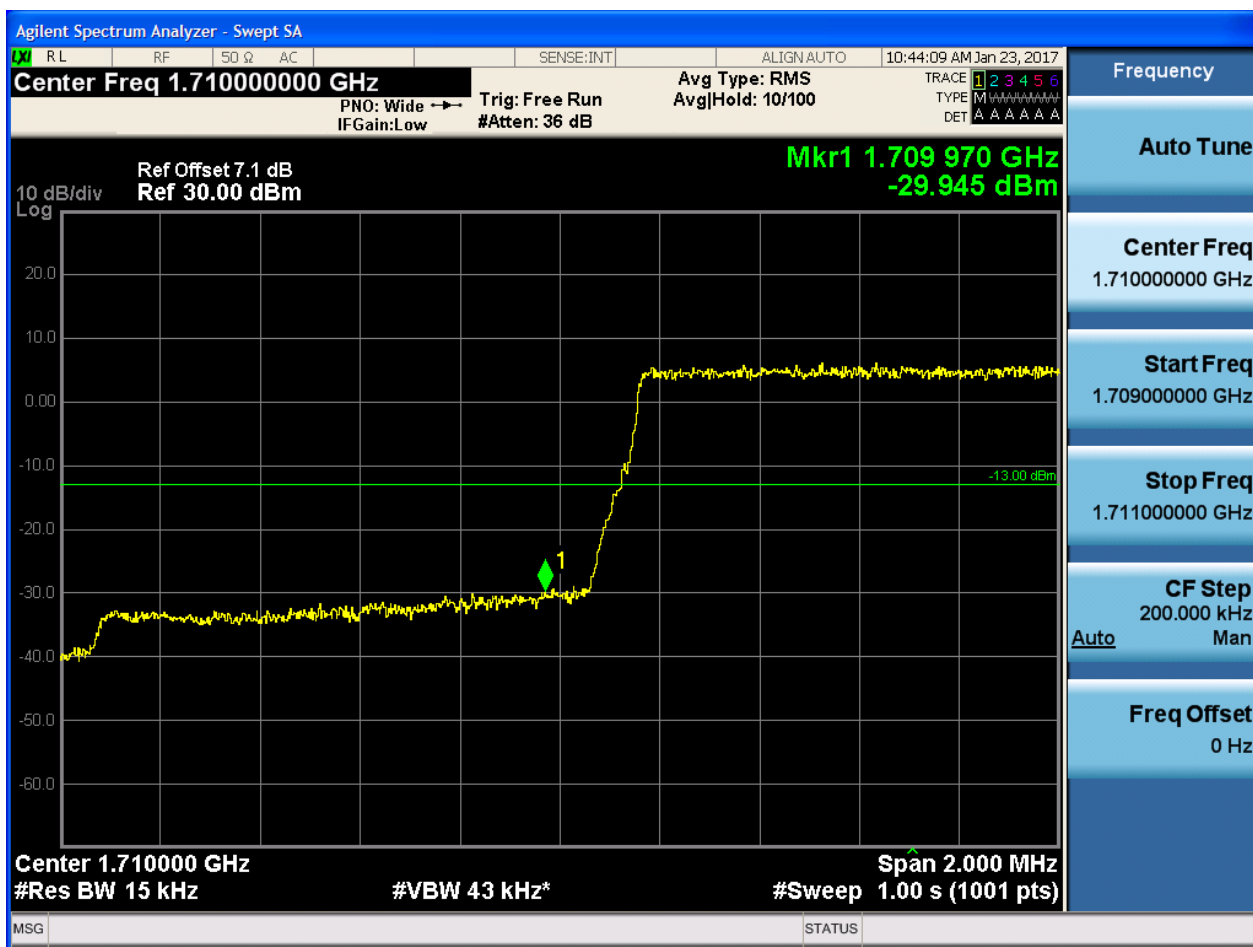


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





5.1.1.1.1.2 Test Channel = HCH

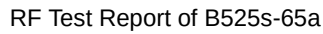
5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 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 1.755 130 GHz
-30.930 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



5.1.1.1.2.4 Test RB = RB6#0

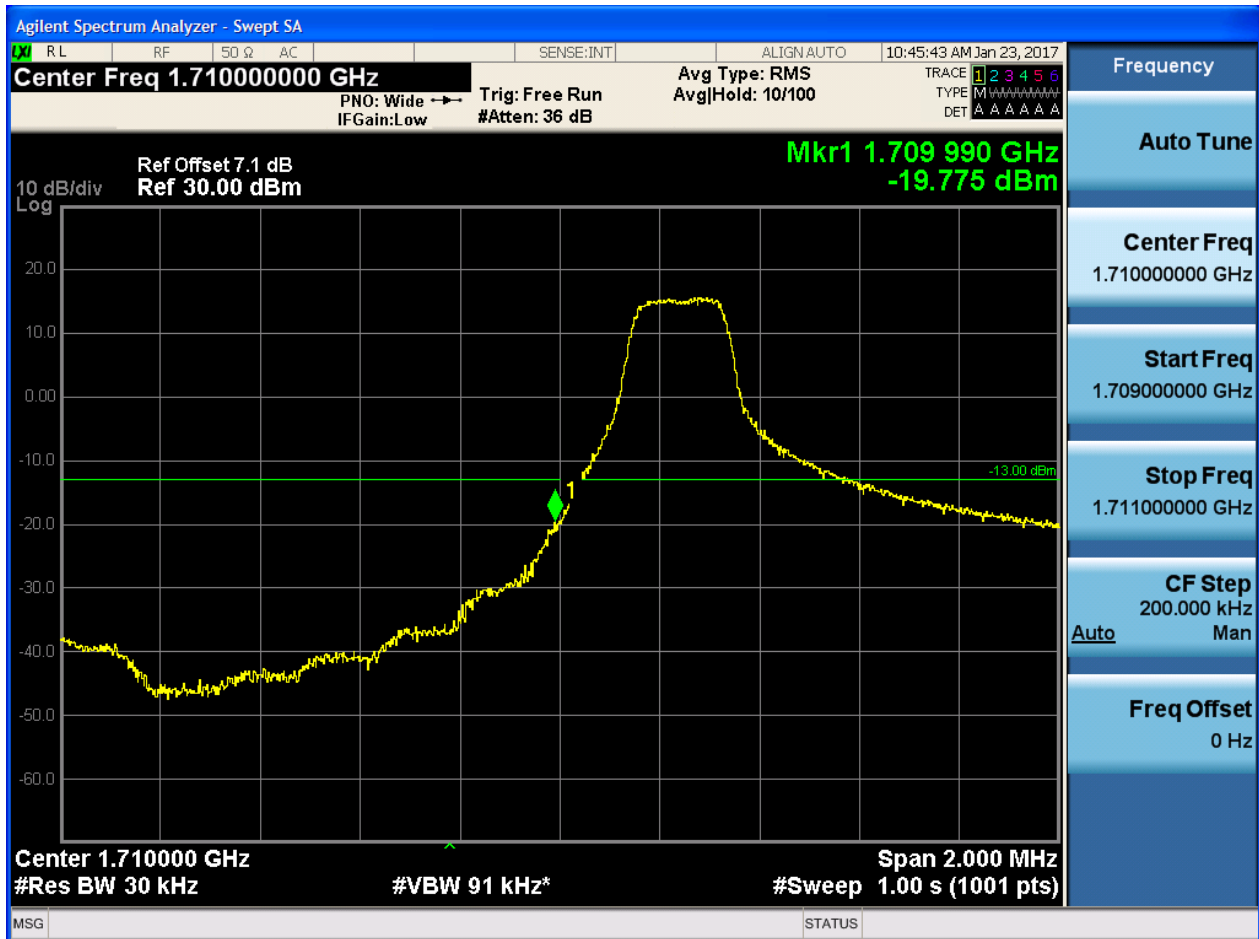




5.1.1.1.2 Test Bandwidth = 3

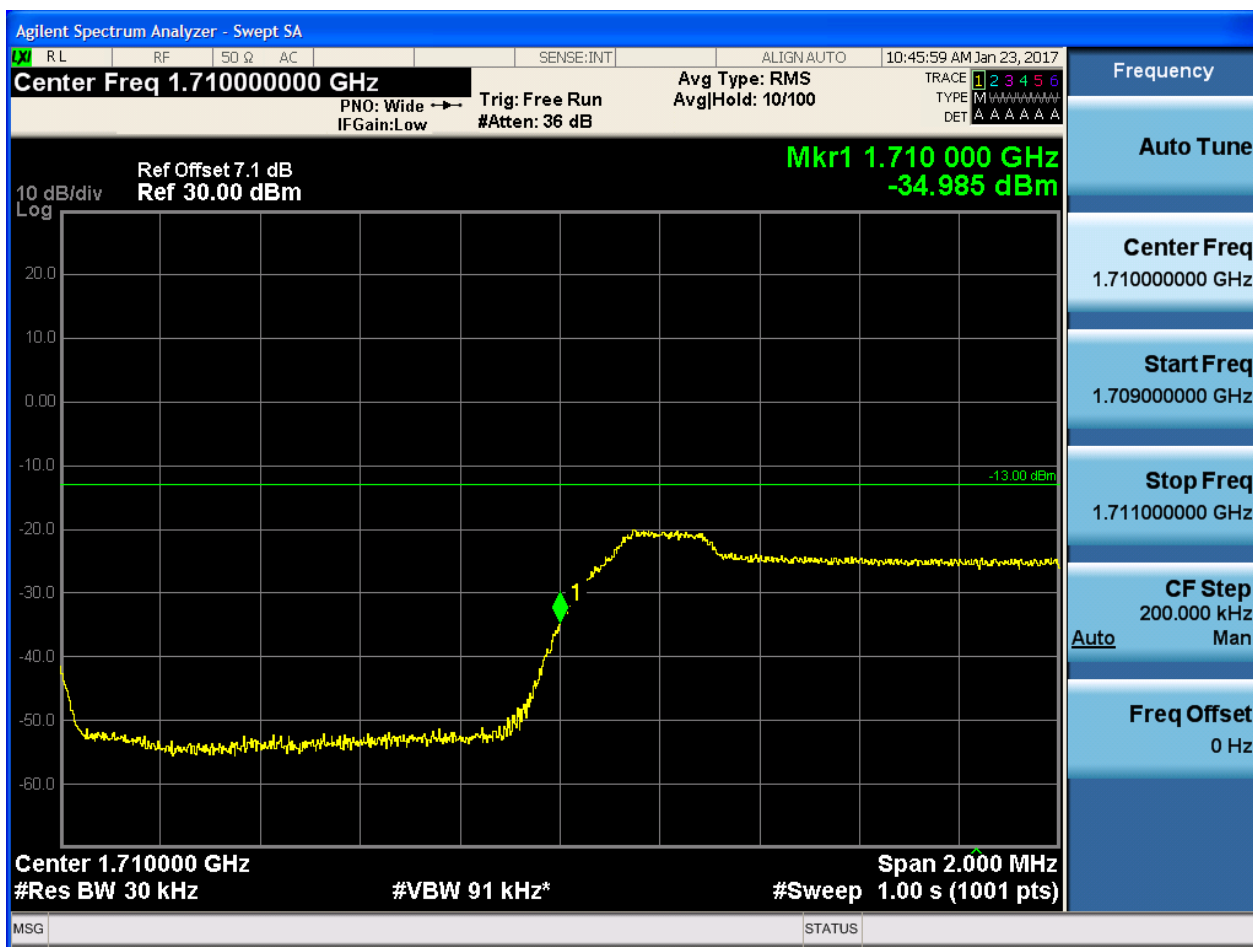
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



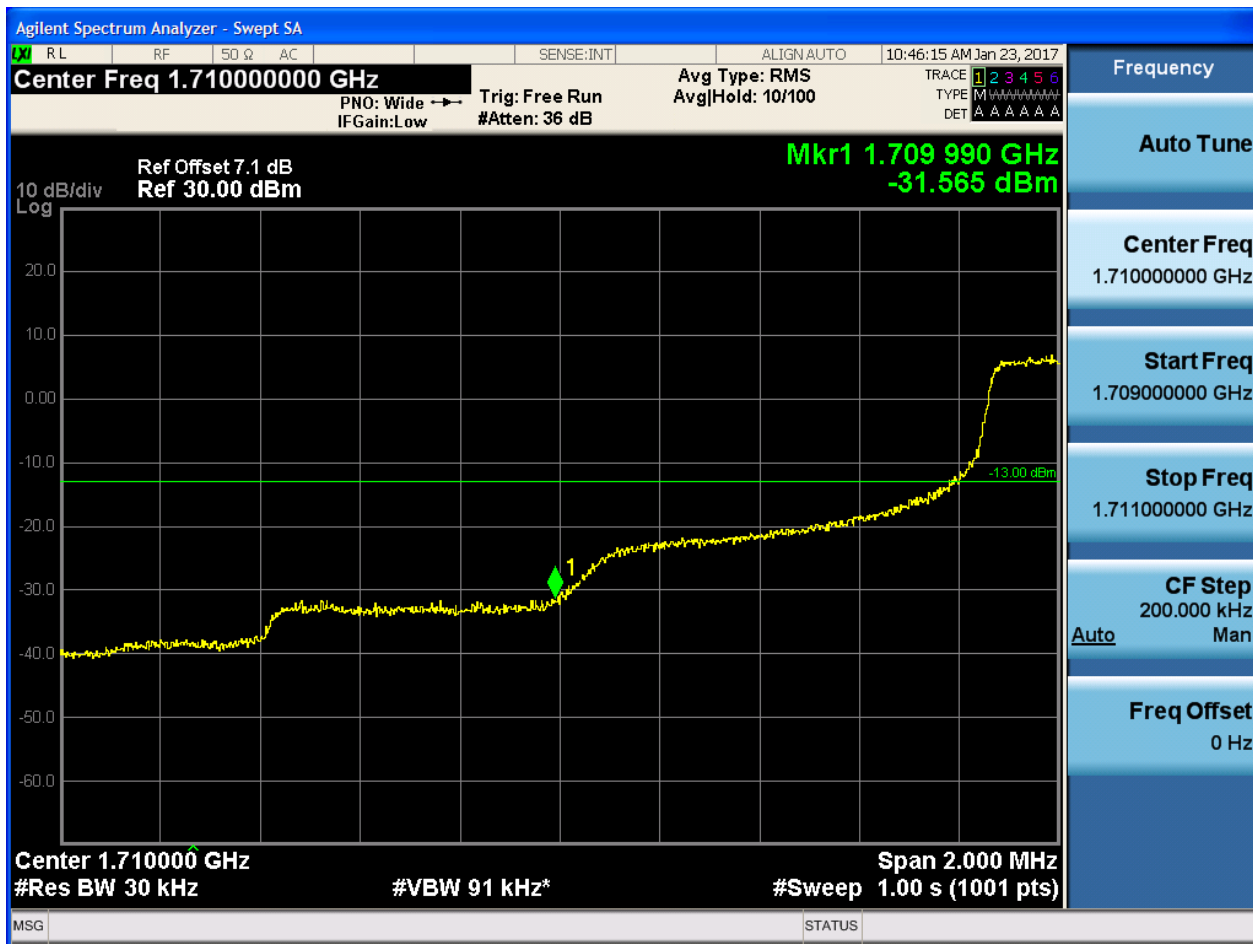


5.1.1.1.2.1.2 Test RB = RB1#14



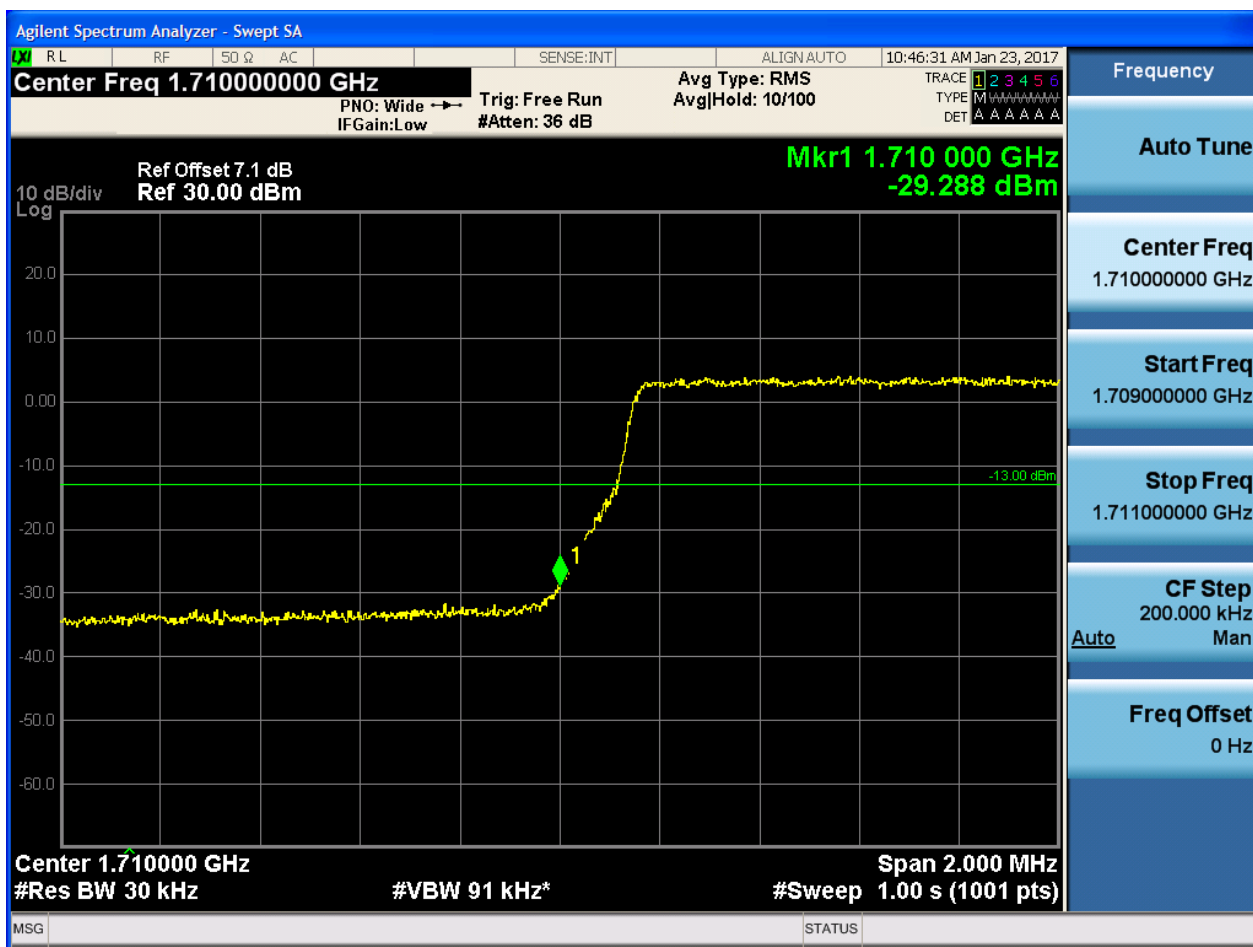


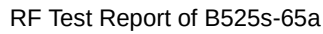
5.1.1.1.2.1.3 Test RB = RB8#4



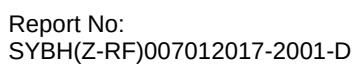


5.1.1.1.2.1.4 Test RB = RB15#0



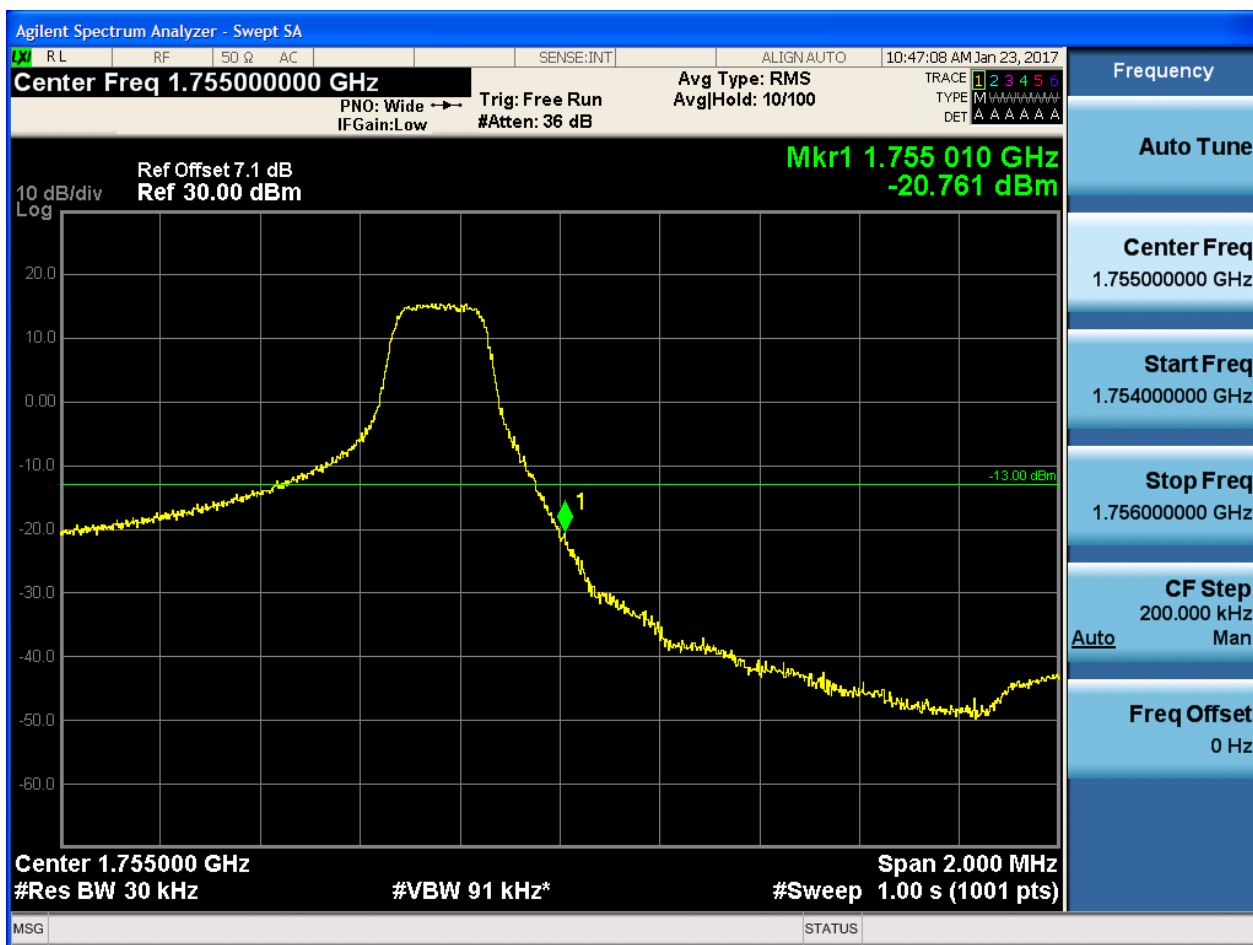


5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.3 Test RB = RB8#4





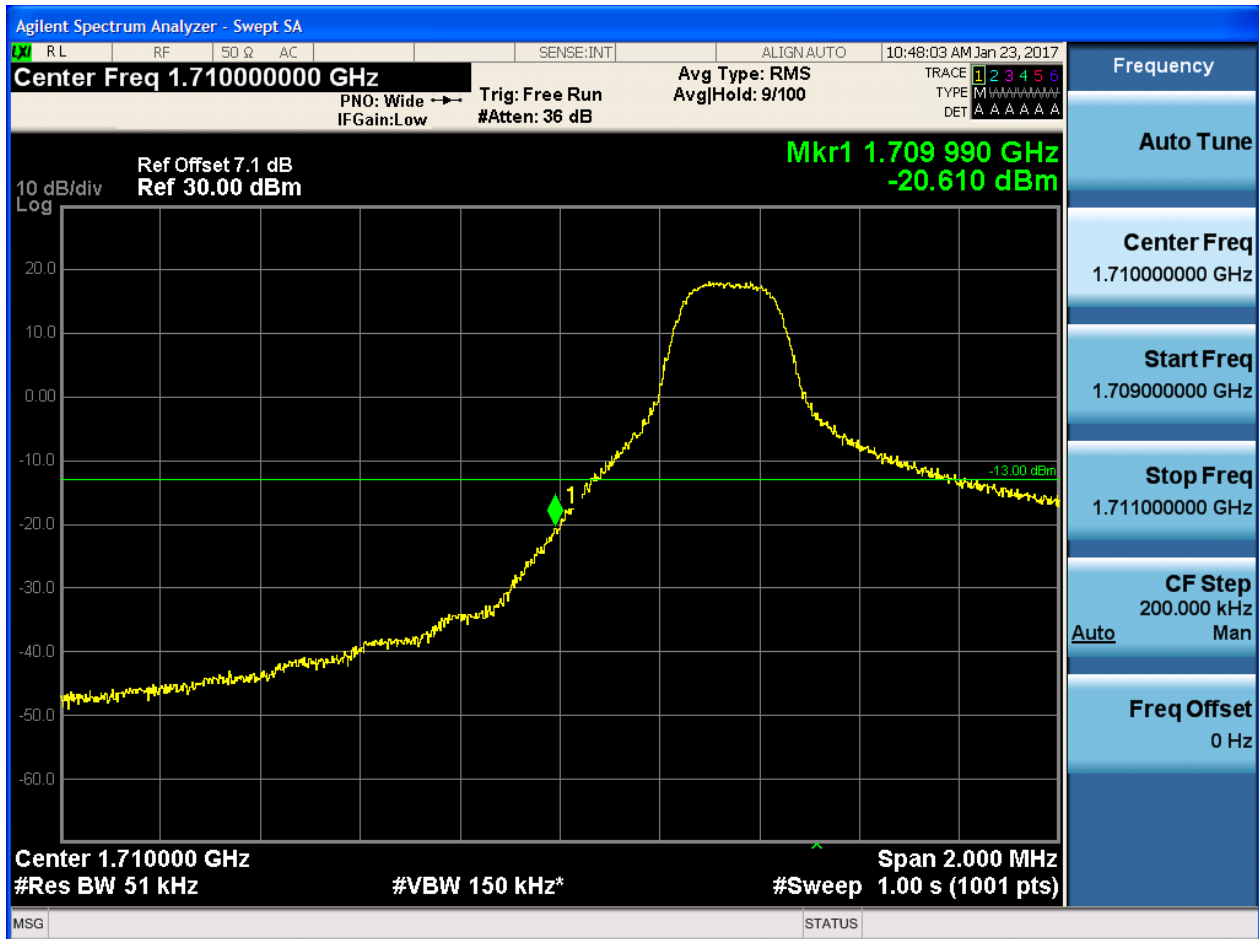
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

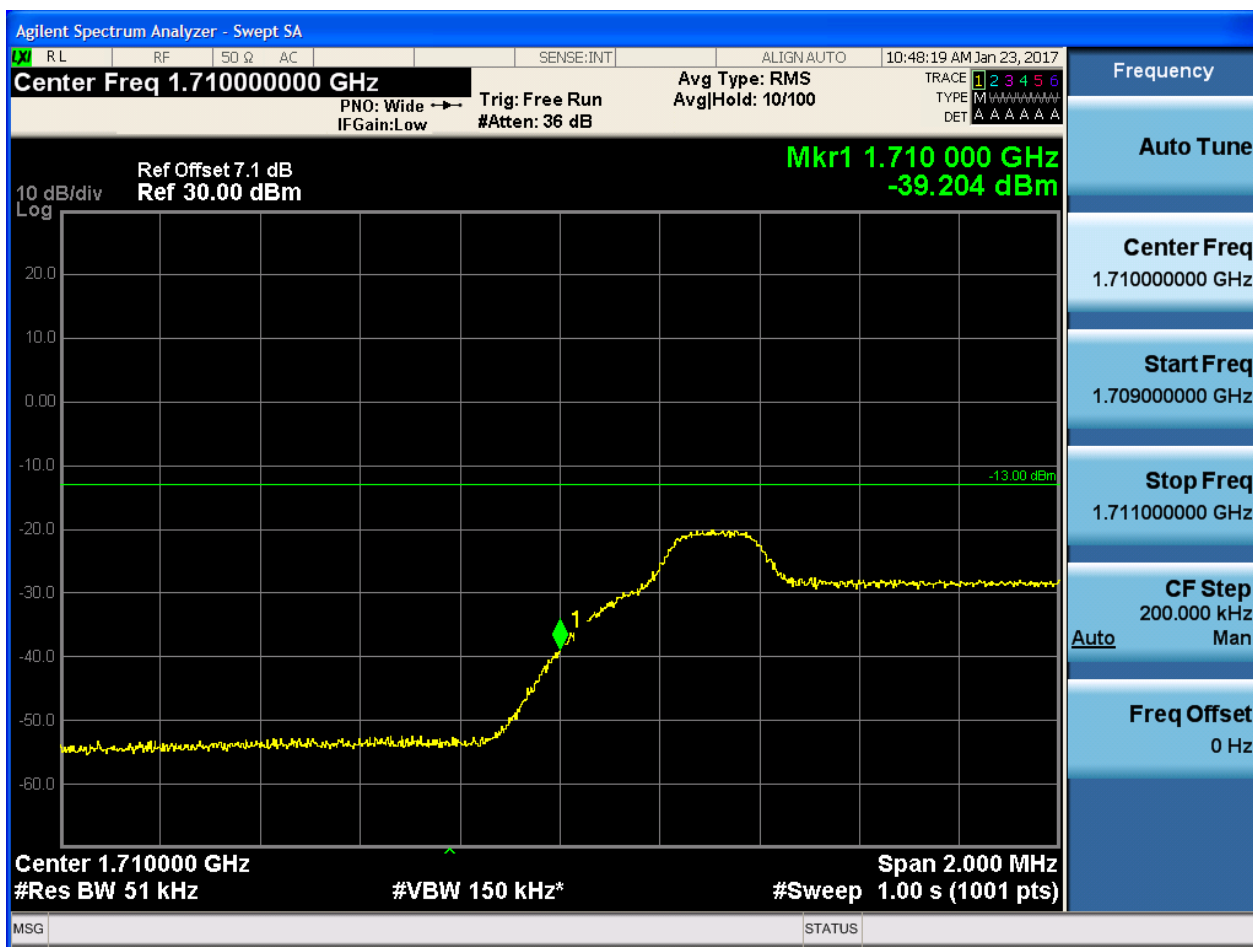
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



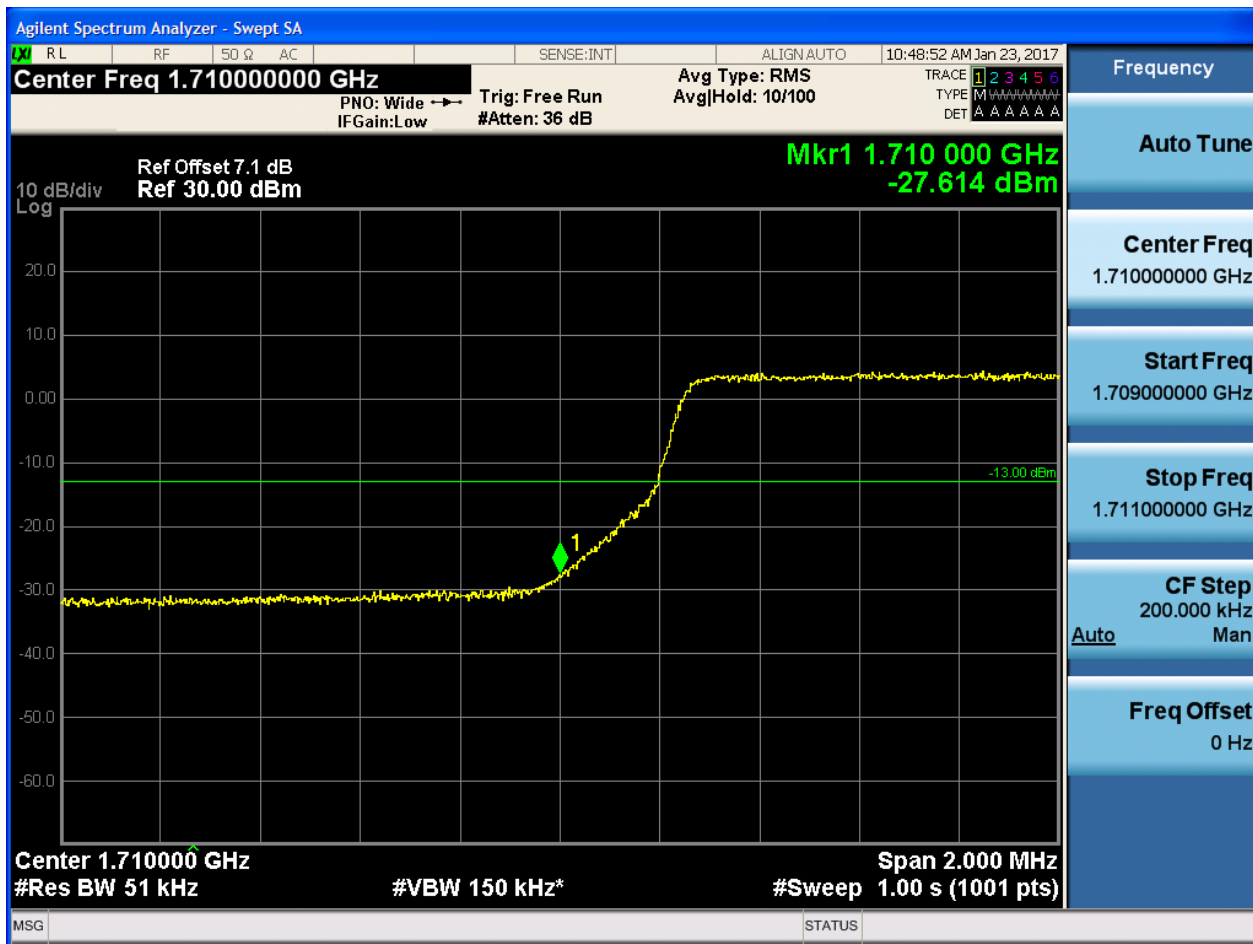


5.1.1.1.3.1.3 Test RB = RB12#6





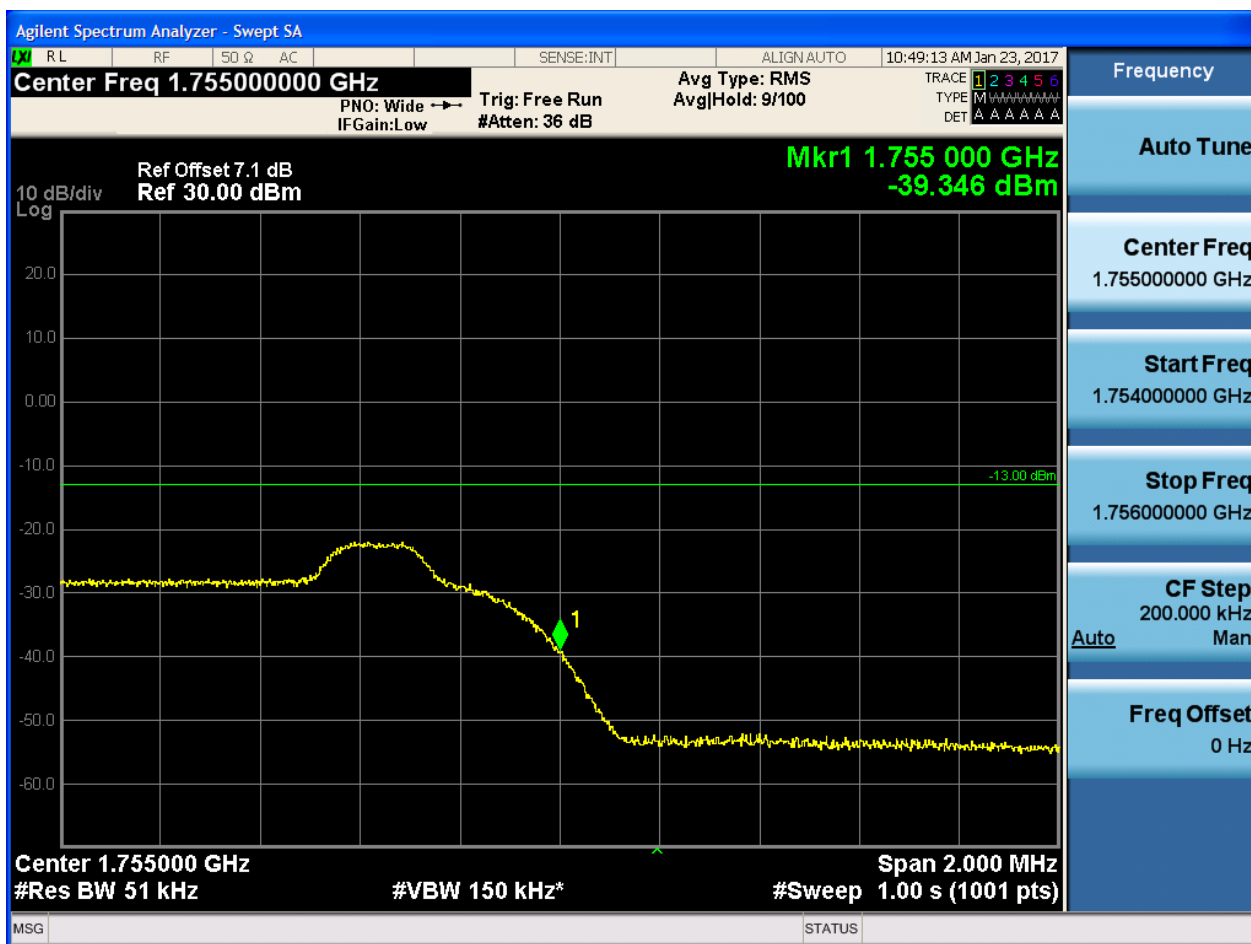
5.1.1.1.3.1.4 Test RB = RB25#0





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

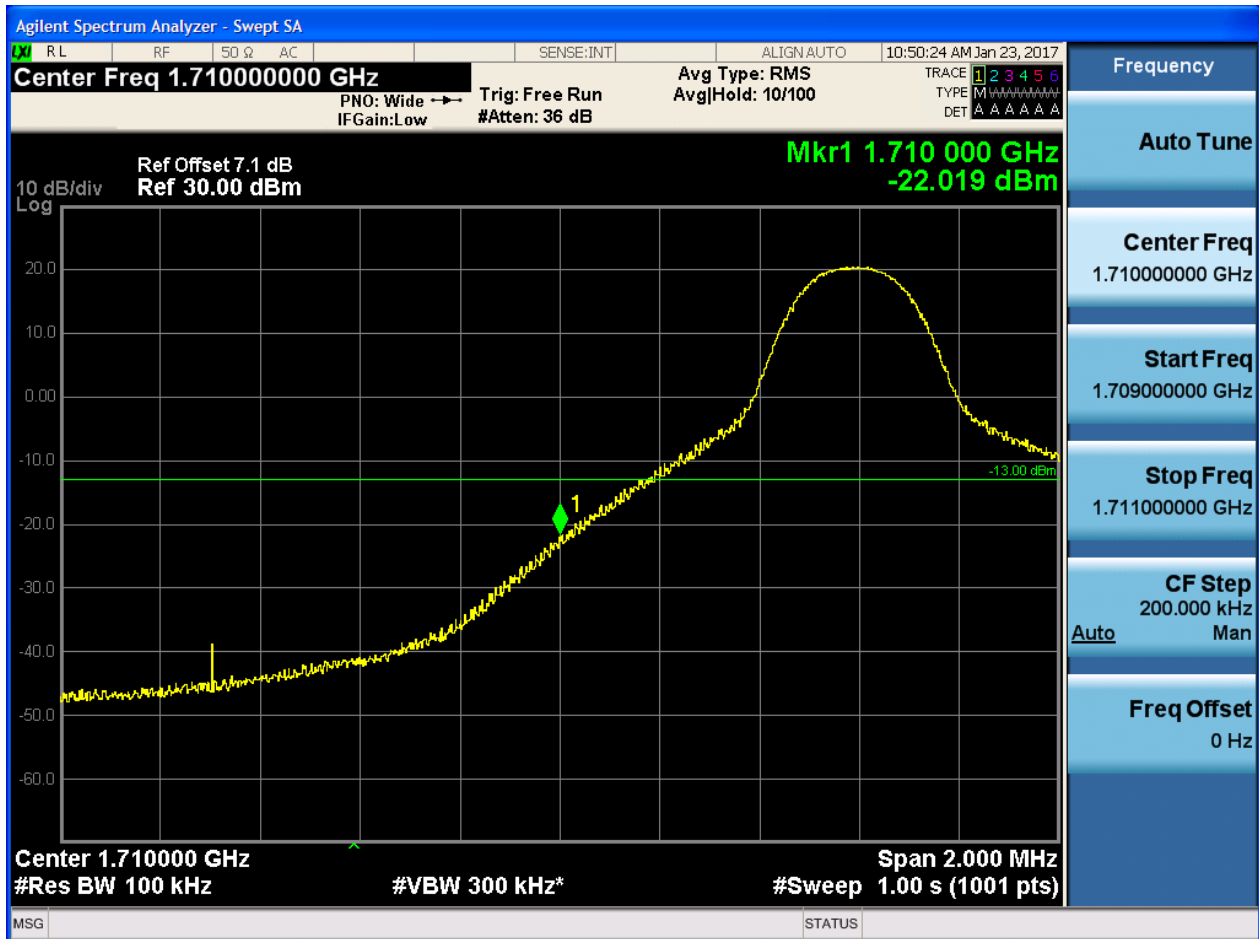




5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



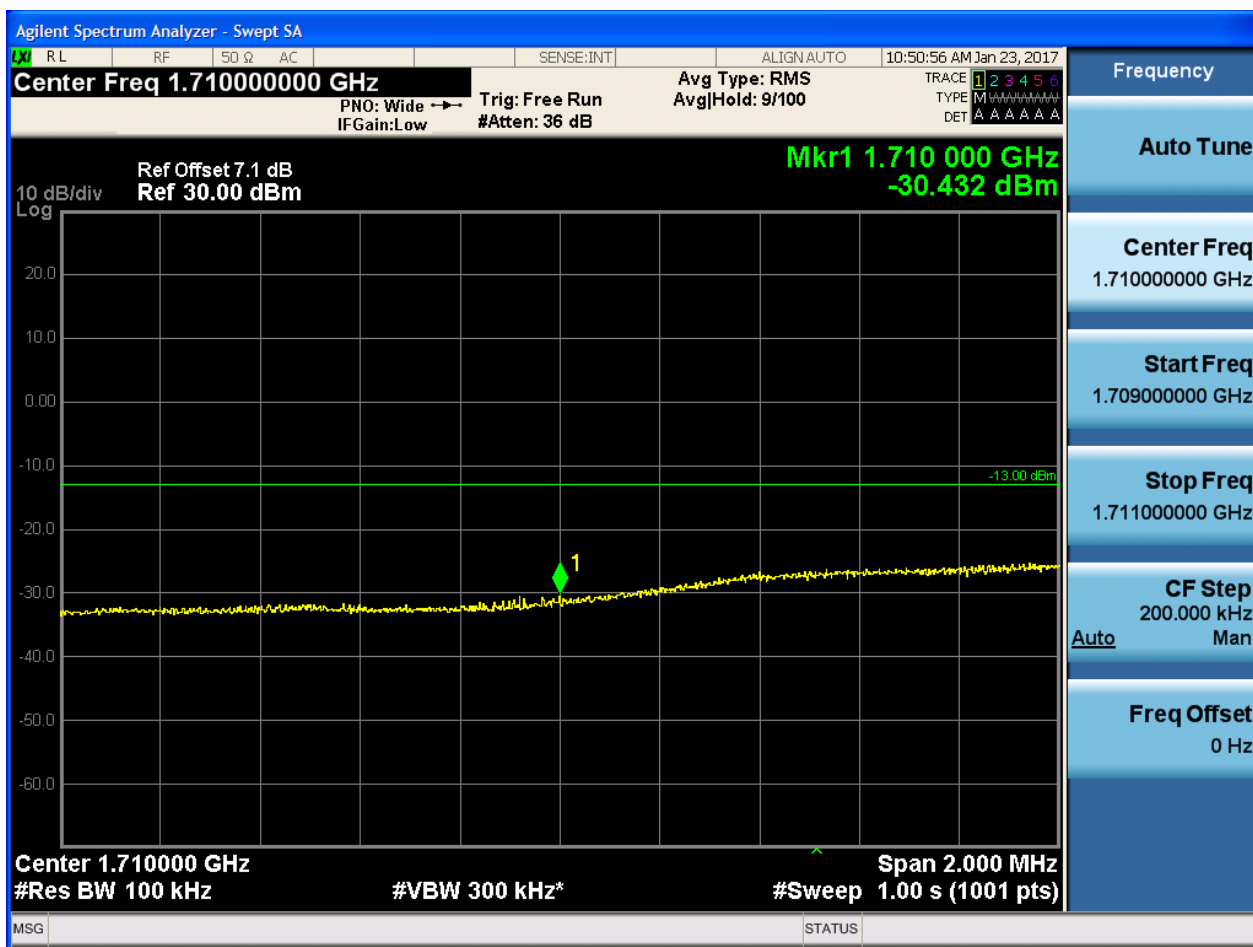


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





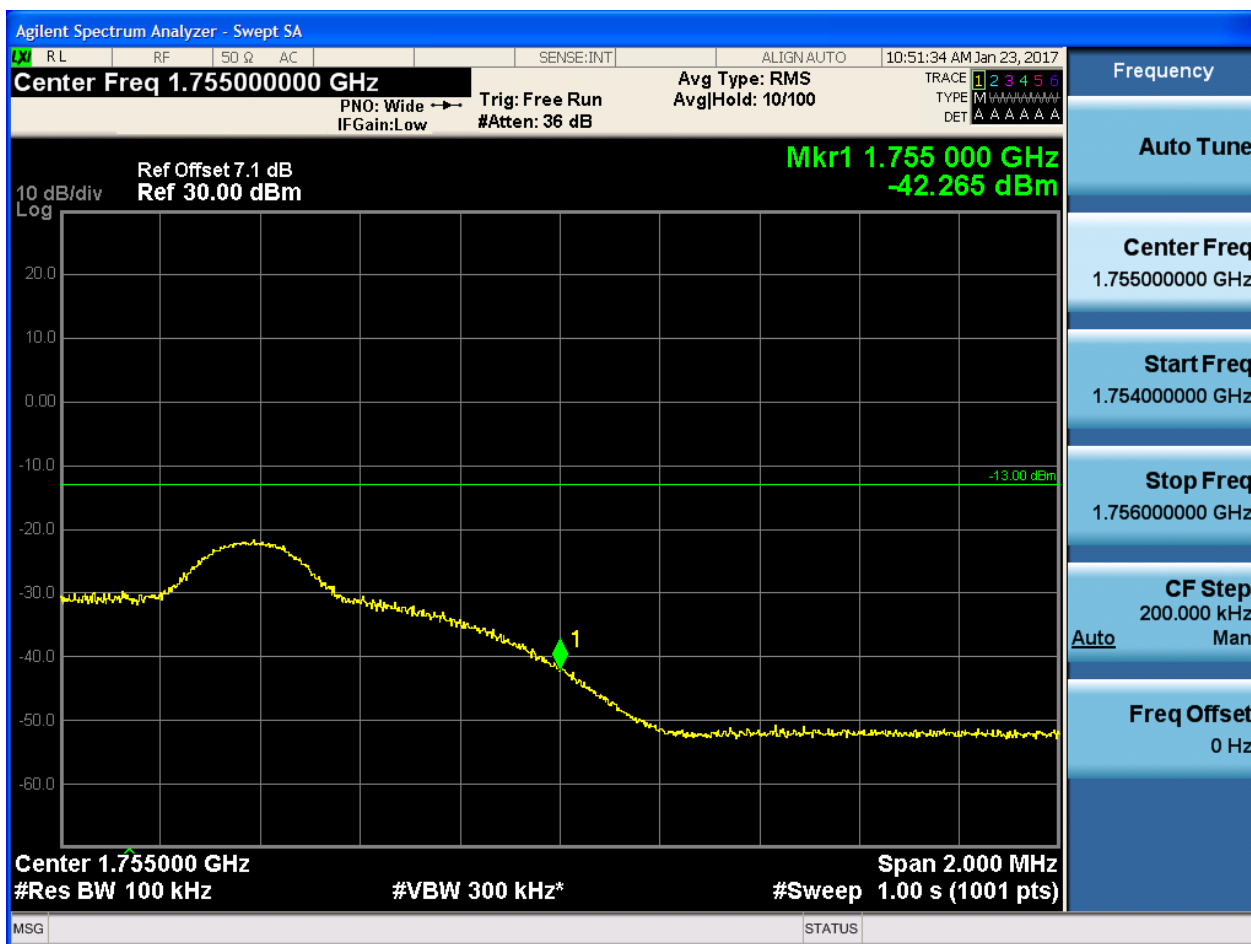
5.1.1.1.4.1.4 Test RB = RB50#0





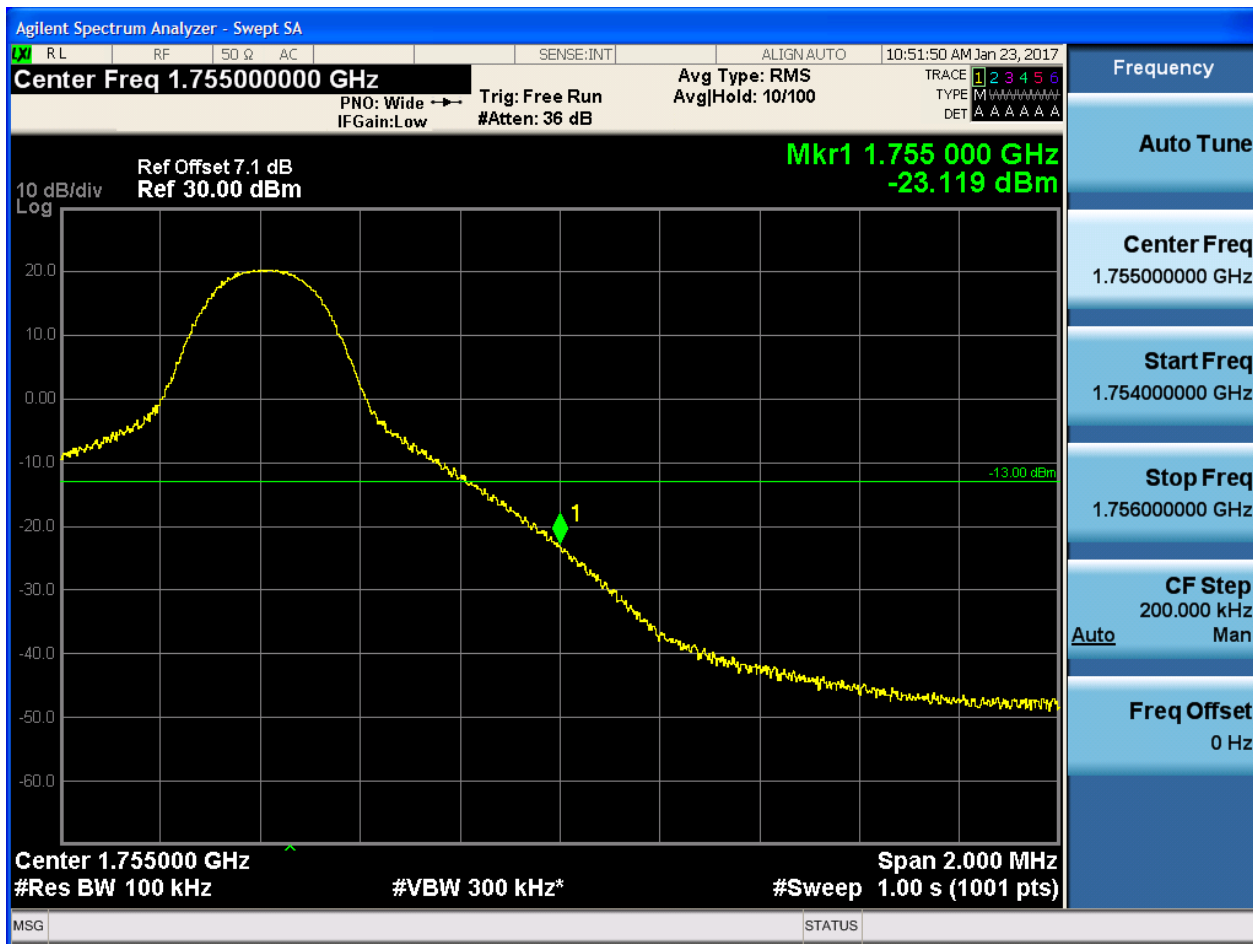
5.1.1.1.4.2 Test Channel = HCH

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





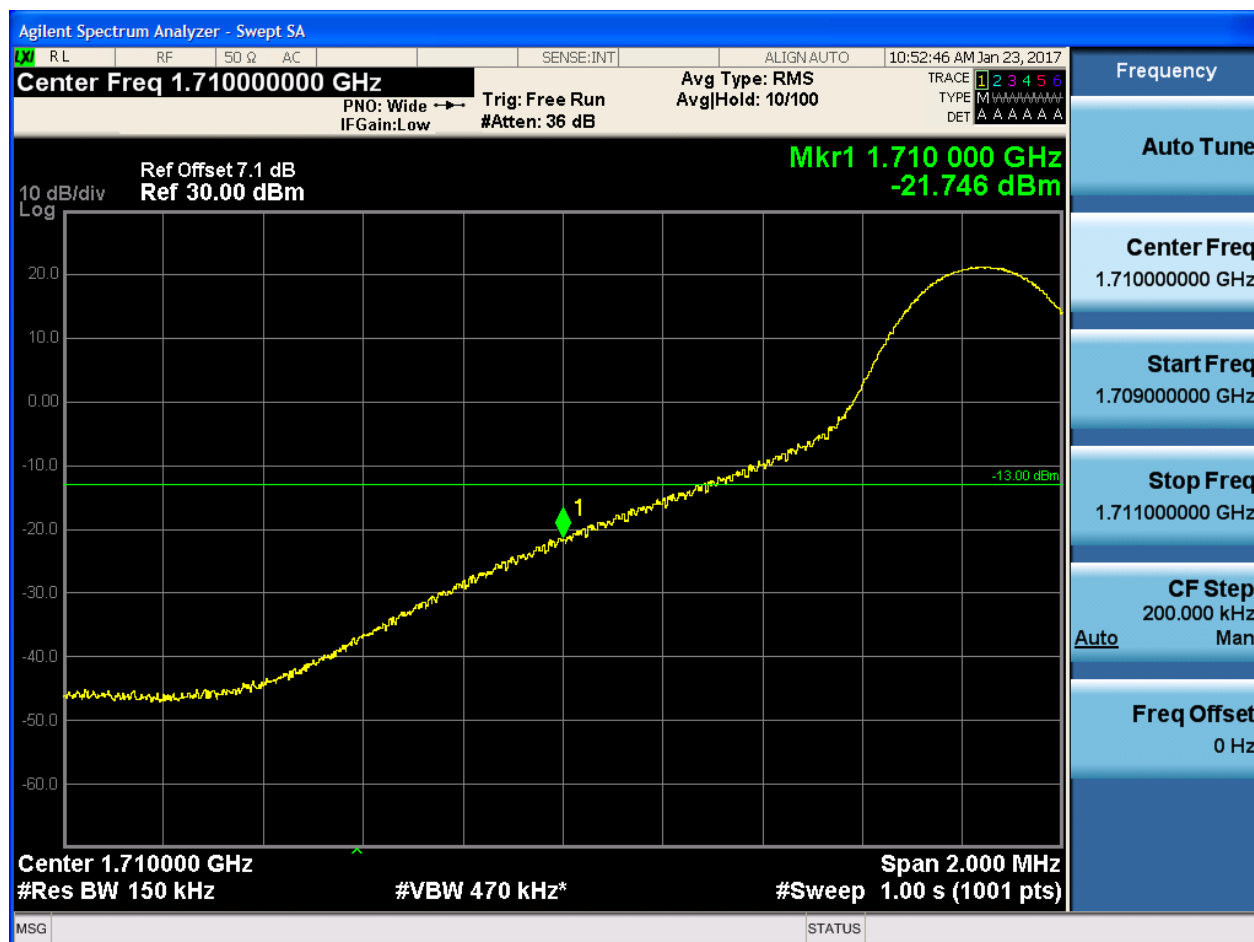
5.1.1.1.4.2.4 Test RB = RB50#0



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



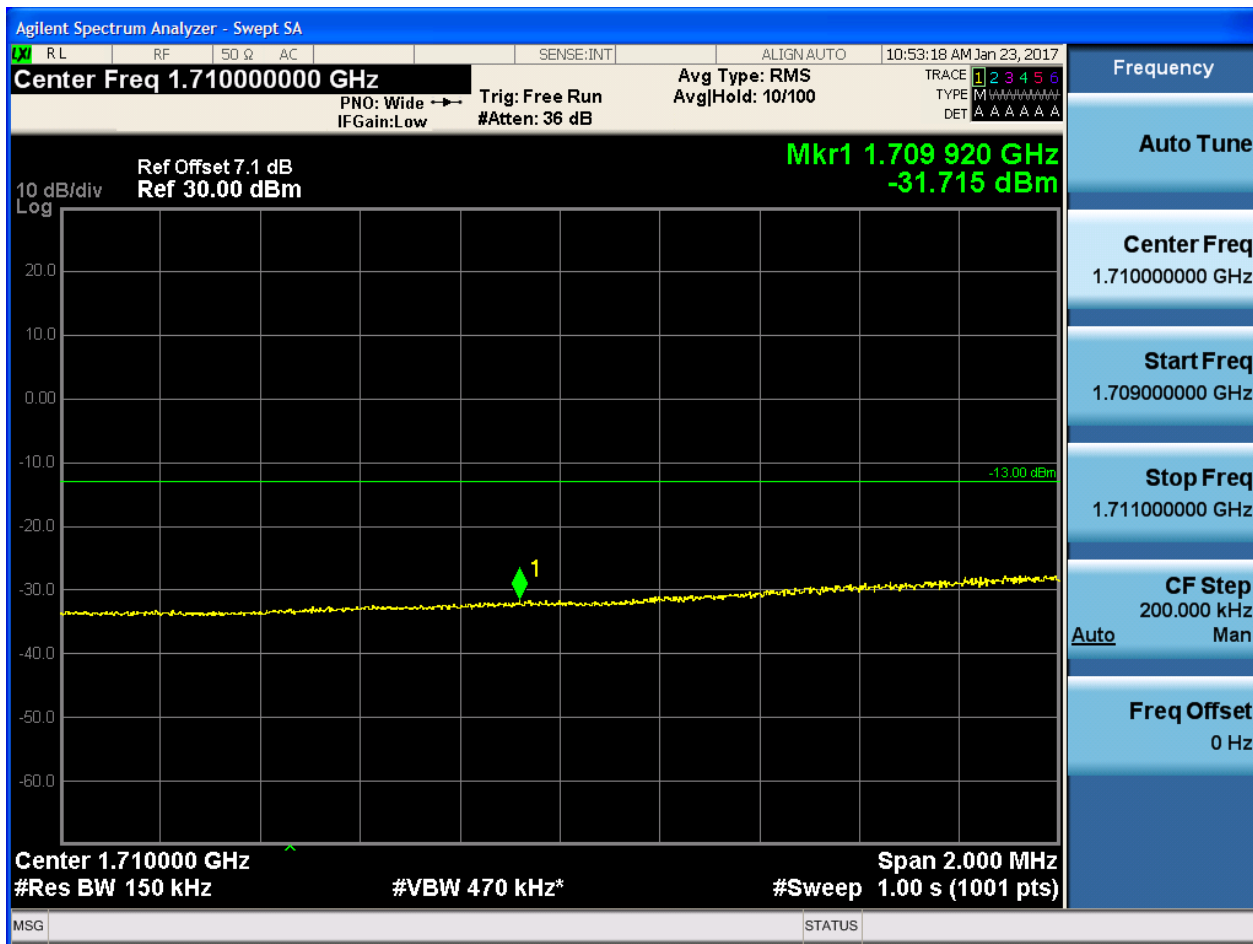


5.1.1.1.5.1.2 Test RB = RB1#74





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

