



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	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	23.36	21.92	30	PASS
				RB1#3	23.36	21.92	30	PASS
				RB1#5	23.28	21.84	30	PASS
				RB3#0	23.31	21.87	30	PASS
				RB3#2	23.52	22.08	30	PASS
				RB3#3	23.49	22.05	30	PASS
				RB6#0	22.5	21.06	30	PASS
			MCH	RB1#0	23.25	21.81	30	PASS
				RB1#3	23.31	21.87	30	PASS
				RB1#5	23.2	21.76	30	PASS
				RB3#0	23.12	21.68	30	PASS
				RB3#2	23.22	21.78	30	PASS
				RB3#3	23.17	21.73	30	PASS
				RB6#0	22.12	20.68	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.95	21.51	30	PASS
				RB1#3	23.41	21.97	30	PASS
				RB1#5	23.55	22.11	30	PASS
				RB3#0	22.87	21.43	30	PASS
				RB3#2	23.35	21.91	30	PASS
				RB3#3	23.28	21.84	30	PASS
				RB6#0	22.38	20.94	30	PASS
		3	LCH	RB1#0	23.56	22.12	30	PASS
				RB1#7	23.45	22.01	30	PASS
				RB1#14	23.47	22.03	30	PASS
				RB8#0	22.57	21.13	30	PASS
				RB8#4	22.29	20.85	30	PASS
				RB8#7	22.3	20.86	30	PASS
				RB15#0	22.27	20.83	30	PASS
			MCH	RB1#0	23.32	21.88	30	PASS
				RB1#7	23.23	21.79	30	PASS
				RB1#14	23.32	21.88	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	22.24	20.8	30	PASS
				RB8#4	22.22	20.78	30	PASS
				RB8#7	22.16	20.72	30	PASS
				RB15#0	22.21	20.77	30	PASS
			HCH	RB1#0	23.31	21.87	30	PASS
				RB1#7	22.98	21.54	30	PASS
				RB1#14	23.32	21.88	30	PASS
				RB8#0	22.25	20.81	30	PASS
				RB8#4	22.02	20.58	30	PASS
				RB8#7	22.41	20.97	30	PASS
				RB15#0	22.3	20.86	30	PASS
		5	LCH	RB1#0	23.34	21.9	30	PASS
				RB1#13	23.43	21.99	30	PASS
				RB1#24	23.4	21.96	30	PASS
				RB12#0	22.25	20.81	30	PASS
				RB12#6	22.4	20.96	30	PASS
				RB12#13	22.41	20.97	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.38	20.94	30	PASS
			MCH	RB1#0	23.28	21.84	30	PASS
				RB1#13	22.93	21.49	30	PASS
				RB1#24	23.15	21.71	30	PASS
				RB12#0	22.25	20.81	30	PASS
				RB12#6	22.27	20.83	30	PASS
				RB12#13	22.17	20.73	30	PASS
				RB25#0	22.25	20.81	30	PASS
			HCH	RB1#0	23.43	21.99	30	PASS
				RB1#13	23.15	21.71	30	PASS
				RB1#24	23.46	22.02	30	PASS
				RB12#0	22.3	20.86	30	PASS
				RB12#6	22.42	20.98	30	PASS
				RB12#13	22.4	20.96	30	PASS
				RB25#0	22.35	20.91	30	PASS
		10	LCH	RB1#0	23.59	22.15	30	PASS
				RB1#25	23.57	22.13	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	23.59	22.15	30	PASS
				RB25#0	22.43	20.99	30	PASS
				RB25#13	22.44	21	30	PASS
				RB25#25	22.36	20.92	30	PASS
				RB50#0	22.33	20.89	30	PASS
			MCH	RB1#0	23.49	22.05	30	PASS
				RB1#25	23.57	22.13	30	PASS
				RB1#49	23.47	22.03	30	PASS
				RB25#0	22.26	20.82	30	PASS
				RB25#13	22.31	20.87	30	PASS
				RB25#25	22.15	20.71	30	PASS
				RB50#0	22.24	20.8	30	PASS
			HCH	RB1#0	23.59	22.15	30	PASS
				RB1#25	23.44	22	30	PASS
				RB1#49	23.34	21.9	30	PASS
				RB25#0	22.51	21.07	30	PASS
				RB25#13	22.48	21.04	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.31	20.87	30	PASS
				RB50#0	22.35	20.91	30	PASS
		15	LCH	RB1#0	23.8	22.36	30	PASS
				RB1#38	24.05	22.61	30	PASS
				RB1#74	23.47	22.03	30	PASS
				RB38#0	22.38	20.94	30	PASS
				RB38#19	22.5	21.06	30	PASS
				RB38#39	22.32	20.88	30	PASS
				RB75#0	22.26	20.82	30	PASS
			MCH	RB1#0	23.36	21.92	30	PASS
				RB1#38	23.28	21.84	30	PASS
				RB1#74	23.3	21.86	30	PASS
				RB38#0	22.26	20.82	30	PASS
				RB38#19	22.26	20.82	30	PASS
				RB38#39	22.24	20.8	30	PASS
				RB75#0	22.31	20.87	30	PASS
			HCH	RB1#0	23.18	21.74	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	23.34	21.9	30	PASS
				RB1#74	23.17	21.73	30	PASS
				RB38#0	22.37	20.93	30	PASS
				RB38#19	22.42	20.98	30	PASS
				RB38#39	22.4	20.96	30	PASS
				RB75#0	22.38	20.94	30	PASS
		20	LCH	RB1#0	23.19	21.75	30	PASS
				RB1#50	23.53	22.09	30	PASS
				RB1#99	23.16	21.72	30	PASS
				RB50#0	22.36	20.92	30	PASS
				RB50#25	22.36	20.92	30	PASS
				RB50#50	22.22	20.78	30	PASS
				RB100#0	22.36	20.92	30	PASS
			MCH	RB1#0	23.08	21.64	30	PASS
				RB1#50	23.02	21.58	30	PASS
				RB1#99	22.77	21.33	30	PASS
				RB50#0	22.23	20.79	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	22.23	20.79	30	PASS
				RB50#50	22.24	20.8	30	PASS
				RB100#0	22.29	20.85	30	PASS
			HCH	RB1#0	23.2	21.76	30	PASS
				RB1#50	23.42	21.98	30	PASS
				RB1#99	23	21.56	30	PASS
				RB50#0	22.31	20.87	30	PASS
				RB50#25	22.34	20.9	30	PASS
				RB50#50	22.81	21.37	30	PASS
				RB100#0	22.53	21.09	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.25	20.81	30	PASS
				RB1#3	22.45	21.01	30	PASS
				RB1#5	22.27	20.83	30	PASS
				RB3#0	22.61	21.17	30	PASS
				RB3#2	22.44	21	30	PASS
				RB3#3	22.44	21	30	PASS
				RB6#0	21.19	19.75	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.06	20.62	30	PASS
				RB1#3	22.14	20.7	30	PASS
				RB1#5	22.04	20.6	30	PASS
				RB3#0	22.28	20.84	30	PASS
				RB3#2	22.4	20.96	30	PASS
				RB3#3	22.31	20.87	30	PASS
				RB6#0	21.04	19.6	30	PASS
			HCH	RB1#0	21.82	20.38	30	PASS
				RB1#3	22.22	20.78	30	PASS
				RB1#5	21.88	20.44	30	PASS
				RB3#0	22.05	20.61	30	PASS
				RB3#2	21.91	20.47	30	PASS
				RB3#3	21.71	20.27	30	PASS
				RB6#0	21.06	19.62	30	PASS
		3	LCH	RB1#0	22.46	21.02	30	PASS
				RB1#7	22.54	21.1	30	PASS
				RB1#14	22.59	21.15	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.3	19.86	30	PASS
				RB8#4	21.36	19.92	30	PASS
				RB8#7	21.38	19.94	30	PASS
				RB15#0	21.2	19.76	30	PASS
			MCH	RB1#0	22.28	20.84	30	PASS
				RB1#7	22.38	20.94	30	PASS
				RB1#14	22.21	20.77	30	PASS
				RB8#0	21.14	19.7	30	PASS
				RB8#4	21.27	19.83	30	PASS
				RB8#7	21.14	19.7	30	PASS
				RB15#0	21.21	19.77	30	PASS
			HCH	RB1#0	21.98	20.54	30	PASS
				RB1#7	22.07	20.63	30	PASS
				RB1#14	21.89	20.45	30	PASS
				RB8#0	20.99	19.55	30	PASS
				RB8#4	21.04	19.6	30	PASS
				RB8#7	21.14	19.7	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		5		RB15#0	21.11	19.67	30	PASS
				RB1#0	22.46	21.02	30	PASS
			LCH	RB1#13	22.56	21.12	30	PASS
				RB1#24	21.91	20.47	30	PASS
				RB12#0	21.13	19.69	30	PASS
				RB12#6	21.59	20.15	30	PASS
				RB12#13	21.5	20.06	30	PASS
				RB25#0	21.36	19.92	30	PASS
			MCH	RB1#0	22.31	20.87	30	PASS
				RB1#13	22.14	20.7	30	PASS
				RB1#24	22.38	20.94	30	PASS
				RB12#0	21.38	19.94	30	PASS
				RB12#6	21.3	19.86	30	PASS
				RB12#13	21.31	19.87	30	PASS
				RB25#0	21.15	19.71	30	PASS
			HCH	RB1#0	22.86	21.42	30	PASS
				RB1#13	22.2	20.76	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	22.23	20.79	30	PASS
				RB12#0	21.3	19.86	30	PASS
				RB12#6	21.01	19.57	30	PASS
				RB12#13	21.34	19.9	30	PASS
				RB25#0	21.37	19.93	30	PASS
		10	LCH	RB1#0	23.42	21.98	30	PASS
				RB1#25	22.92	21.48	30	PASS
				RB1#49	22.78	21.34	30	PASS
				RB25#0	21.25	19.81	30	PASS
				RB25#13	21.3	19.86	30	PASS
				RB25#25	21.53	20.09	30	PASS
				RB50#0	21.21	19.77	30	PASS
			MCH	RB1#0	22.07	20.63	30	PASS
				RB1#25	22.21	20.77	30	PASS
				RB1#49	22.16	20.72	30	PASS
				RB25#0	21.12	19.68	30	PASS
				RB25#13	21.16	19.72	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.03	19.59	30	PASS
				RB50#0	21.14	19.7	30	PASS
			HCH	RB1#0	22.04	20.6	30	PASS
				RB1#25	22.75	21.31	30	PASS
				RB1#49	22.15	20.71	30	PASS
				RB25#0	21.12	19.68	30	PASS
				RB25#13	21.48	20.04	30	PASS
				RB25#25	21.3	19.86	30	PASS
				RB50#0	21.14	19.7	30	PASS
		15	LCH	RB1#0	22.25	20.81	30	PASS
				RB1#38	22.6	21.16	30	PASS
				RB1#74	21.55	20.11	30	PASS
				RB38#0	21.49	20.05	30	PASS
				RB38#19	21.35	19.91	30	PASS
				RB38#39	21.4	19.96	30	PASS
				RB75#0	21.39	19.95	30	PASS
			MCH	RB1#0	22.19	20.75	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.32	20.88	30	PASS
				RB1#74	22.42	20.98	30	PASS
				RB38#0	21.28	19.84	30	PASS
				RB38#19	21.28	19.84	30	PASS
				RB38#39	21.21	19.77	30	PASS
				RB75#0	21.18	19.74	30	PASS
			HCH	RB1#0	22.59	21.15	30	PASS
				RB1#38	22.55	21.11	30	PASS
				RB1#74	22.49	21.05	30	PASS
				RB38#0	21.09	19.65	30	PASS
				RB38#19	21.34	19.9	30	PASS
				RB38#39	21.11	19.67	30	PASS
				RB75#0	21.31	19.87	30	PASS
		20	LCH	RB1#0	22.33	20.89	30	PASS
				RB1#50	23.02	21.58	30	PASS
				RB1#99	22.42	20.98	30	PASS
				RB50#0	21.33	19.89	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	21.42	19.98	30	PASS
				RB50#50	21.28	19.84	30	PASS
				RB100#0	21.26	19.82	30	PASS
			MCH	RB1#0	22.45	21.01	30	PASS
				RB1#50	22.51	21.07	30	PASS
				RB1#99	22.33	20.89	30	PASS
				RB50#0	21.17	19.73	30	PASS
				RB50#25	21.17	19.73	30	PASS
				RB50#50	21.12	19.68	30	PASS
				RB100#0	21.3	19.86	30	PASS
			HCH	RB1#0	22.6	21.16	30	PASS
				RB1#50	22.64	21.2	30	PASS
				RB1#99	22.11	20.67	30	PASS
				RB50#0	21.23	19.79	30	PASS
				RB50#25	21.33	19.89	30	PASS
				RB50#50	21.21	19.77	30	PASS
				RB100#0	21.27	19.83	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:

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

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

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

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	4.37	13	PASS
				RB1#5	4.42	13	PASS
				RB3#0	4.86	13	PASS
				RB3#2	4.77	13	PASS
				RB3#3	4.82	13	PASS
				RB6#0	5.58	13	PASS
			MCH	RB1#0	3.49	13	PASS
				RB1#3	3.6	13	PASS
				RB1#5	3.6	13	PASS
				RB3#0	3.75	13	PASS
				RB3#2	3.81	13	PASS
				RB3#3	4.01	13	PASS
				RB6#0	5.15	13	PASS
			HCH	RB1#0	4.5	13	PASS
				RB1#3	4.02	13	PASS
				RB1#5	4.08	13	PASS
				RB3#0	4.57	13	PASS
				RB3#2	4.16	13	PASS
				RB3#3	4.34	13	PASS
				RB6#0	5.31	13	PASS
		3	LCH	RB1#0	4.67	13	PASS
				RB1#7	4.48	13	PASS
				RB1#14	4.6	13	PASS
				RB8#0	5.11	13	PASS
				RB8#4	5.13	13	PASS
				RB8#7	5.24	13	PASS
				RB15#0	5.23	13	PASS
			MCH	RB1#0	3.61	13	PASS
				RB1#7	3.31	13	PASS
				RB1#14	3.58	13	PASS
				RB8#0	4.57	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	4.51	13	PASS
				RB8#7	4.76	13	PASS
				RB15#0	4.95	13	PASS
			HCH	RB1#0	4.61	13	PASS
				RB1#7	4.03	13	PASS
				RB1#14	4.11	13	PASS
				RB8#0	5.19	13	PASS
				RB8#4	5.01	13	PASS
				RB8#7	5.06	13	PASS
				RB15#0	5.5	13	PASS
		5	LCH	RB1#0	4.66	13	PASS
				RB1#13	4.52	13	PASS
				RB1#24	4.6	13	PASS
				RB12#0	5.21	13	PASS
				RB12#6	5.27	13	PASS
				RB12#13	5.22	13	PASS
				RB25#0	5.86	13	PASS
			MCH	RB1#0	3.54	13	PASS
				RB1#13	3.57	13	PASS
				RB1#24	3.77	13	PASS
				RB12#0	4.44	13	PASS
				RB12#6	4.44	13	PASS
				RB12#13	4.54	13	PASS
				RB25#0	5.1	13	PASS
			HCH	RB1#0	4.49	13	PASS
				RB1#13	4.41	13	PASS
				RB1#24	4.14	13	PASS
				RB12#0	5.2	13	PASS
				RB12#6	4.87	13	PASS
				RB12#13	5.05	13	PASS
				RB25#0	5.51	13	PASS
		10	LCH	RB1#0	4.77	13	PASS
				RB1#25	4.38	13	PASS
				RB1#49	4.36	13	PASS
				RB25#0	5.34	13	PASS
				RB25#13	5.2	13	PASS
				RB25#25	5.24	13	PASS
				RB50#0	5.41	13	PASS
			MCH	RB1#0	3.52	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	3.3	13	PASS
				RB1#49	3.72	13	PASS
				RB25#0	4.48	13	PASS
				RB25#13	4.45	13	PASS
				RB25#25	4.65	13	PASS
				RB50#0	5.28	13	PASS
			HCH	RB1#0	4.58	13	PASS
				RB1#25	4.36	13	PASS
				RB1#49	4.2	13	PASS
				RB25#0	5.18	13	PASS
				RB25#13	5.14	13	PASS
				RB25#25	5.04	13	PASS
				RB50#0	5.35	13	PASS
		15	LCH	RB1#0	4.7	13	PASS
				RB1#38	4.49	13	PASS
				RB1#74	4.13	13	PASS
				RB38#0	5.24	13	PASS
				RB38#19	5.35	13	PASS
				RB38#39	5.15	13	PASS
				RB75#0	5.95	13	PASS
			MCH	RB1#0	3.58	13	PASS
				RB1#38	3.36	13	PASS
				RB1#74	4.38	13	PASS
				RB38#0	4.87	13	PASS
				RB38#19	4.9	13	PASS
				RB38#39	5.01	13	PASS
				RB75#0	5.54	13	PASS
			HCH	RB1#0	4.36	13	PASS
				RB1#38	4.46	13	PASS
				RB1#74	4.27	13	PASS
				RB38#0	5.18	13	PASS
				RB38#19	5.14	13	PASS
				RB38#39	5.09	13	PASS
				RB75#0	5.65	13	PASS
		20	LCH	RB1#0	4.79	13	PASS
				RB1#50	4.5	13	PASS
				RB1#99	4.19	13	PASS
				RB50#0	5.36	13	PASS
				RB50#25	5.24	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	5.09	13	PASS
				RB100#0	5.93	13	PASS
			MCH	RB1#0	3.93	13	PASS
				RB1#50	3.63	13	PASS
				RB1#99	4.58	13	PASS
				RB50#0	4.97	13	PASS
				RB50#25	4.93	13	PASS
				RB50#50	5.23	13	PASS
				RB100#0	5.83	13	PASS
			HCH	RB1#0	3.76	13	PASS
				RB1#50	4.51	13	PASS
				RB1#99	4.28	13	PASS
				RB50#0	5.27	13	PASS
				RB50#25	5.34	13	PASS
				RB50#50	5.17	13	PASS
				RB100#0	5.41	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.6	13	PASS
				RB1#3	5.49	13	PASS
				RB1#5	5.51	13	PASS
				RB3#0	5.8	13	PASS
				RB3#2	5.68	13	PASS
				RB3#3	5.82	13	PASS
				RB6#0	6.16	13	PASS
			MCH	RB1#0	4.64	13	PASS
				RB1#3	4.55	13	PASS
				RB1#5	4.57	13	PASS
				RB3#0	4.72	13	PASS
				RB3#2	4.67	13	PASS
				RB3#3	4.78	13	PASS
				RB6#0	5.44	13	PASS
			HCH	RB1#0	5.43	13	PASS
				RB1#3	5.4	13	PASS
				RB1#5	5.27	13	PASS
				RB3#0	5.56	13	PASS
				RB3#2	5.41	13	PASS
				RB3#3	5.56	13	PASS
				RB6#0	6.16	13	PASS
		3	LCH	RB1#0	5.4	13	PASS
				RB1#7	5.28	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	5.54	13	PASS
				RB8#0	5.99	13	PASS
				RB8#4	6	13	PASS
				RB8#7	6.12	13	PASS
				RB15#0	6.81	13	PASS
			MCH	RB1#0	4.4	13	PASS
				RB1#7	4.36	13	PASS
				RB1#14	4.68	13	PASS
				RB8#0	5.28	13	PASS
				RB8#4	5.18	13	PASS
				RB8#7	5.35	13	PASS
				RB15#0	5.9	13	PASS
			HCH	RB1#0	5.41	13	PASS
				RB1#7	5.2	13	PASS
				RB1#14	5.28	13	PASS
				RB8#0	5.89	13	PASS
				RB8#4	5.93	13	PASS
				RB8#7	5.81	13	PASS
				RB15#0	6.41	13	PASS
		5	LCH	RB1#0	5.67	13	PASS
				RB1#13	5.58	13	PASS
				RB1#24	5.61	13	PASS
				RB12#0	6.23	13	PASS
				RB12#6	6.07	13	PASS
				RB12#13	6.19	13	PASS
				RB25#0	6.59	13	PASS
			MCH	RB1#0	4.62	13	PASS
				RB1#13	4.59	13	PASS
				RB1#24	4.83	13	PASS
				RB12#0	5.44	13	PASS
				RB12#6	5.35	13	PASS
				RB12#13	5.5	13	PASS
				RB25#0	6.01	13	PASS
			HCH	RB1#0	5.07	13	PASS
				RB1#13	4.99	13	PASS
				RB1#24	4.84	13	PASS
				RB12#0	6.03	13	PASS
				RB12#6	5.9	13	PASS
				RB12#13	5.86	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB25#0	6.6	13	PASS
				RB1#0	5.83	13	PASS
			LCH	RB1#25	5.51	13	PASS
				RB1#49	5.52	13	PASS
				RB25#0	6.45	13	PASS
				RB25#13	6.36	13	PASS
				RB25#25	6.44	13	PASS
				RB50#0	6.5	13	PASS
			MCH	RB1#0	4.61	13	PASS
				RB1#25	4.43	13	PASS
				RB1#49	4.8	13	PASS
				RB25#0	5.52	13	PASS
				RB25#13	5.48	13	PASS
				RB25#25	5.72	13	PASS
				RB50#0	6.35	13	PASS
			HCH	RB1#0	5.72	13	PASS
				RB1#25	5.4	13	PASS
				RB1#49	5.34	13	PASS
				RB25#0	6.14	13	PASS
				RB25#13	5.98	13	PASS
				RB25#25	6.07	13	PASS
				RB50#0	6.25	13	PASS
		15	LCH	RB1#0	5.84	13	PASS
				RB1#38	5.52	13	PASS
				RB1#74	5.22	13	PASS
				RB38#0	6.4	13	PASS
				RB38#19	6.3	13	PASS
				RB38#39	6.32	13	PASS
				RB75#0	6.75	13	PASS
			MCH	RB1#0	4.63	13	PASS
				RB1#38	4.29	13	PASS
				RB1#74	5.55	13	PASS
				RB38#0	6.06	13	PASS
				RB38#19	6.04	13	PASS
				RB38#39	6.22	13	PASS
				RB75#0	6.37	13	PASS
			HCH	RB1#0	4.88	13	PASS
				RB1#38	4.98	13	PASS
				RB1#74	4.67	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#0	6.26	13	PASS
				RB38#19	6.27	13	PASS
				RB38#39	6.22	13	PASS
				RB75#0	6.55	13	PASS
		20	LCH	RB1#0	5.29	13	PASS
				RB1#50	5.04	13	PASS
				RB1#99	4.91	13	PASS
				RB50#0	6.41	13	PASS
				RB50#25	6.07	13	PASS
				RB50#50	6.11	13	PASS
				RB100#0	6.63	13	PASS
			MCH	RB1#0	4.53	13	PASS
				RB1#50	4.28	13	PASS
				RB1#99	4.65	13	PASS
				RB50#0	5.53	13	PASS
				RB50#25	5.49	13	PASS
				RB50#50	5.69	13	PASS
				RB100#0	5.95	13	PASS
			HCH	RB1#0	4.59	13	PASS
				RB1#50	5.11	13	PASS
				RB1#99	5.25	13	PASS
				RB50#0	6.33	13	PASS
				RB50#25	6.22	13	PASS
				RB50#50	6.28	13	PASS
				RB100#0	6.5	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

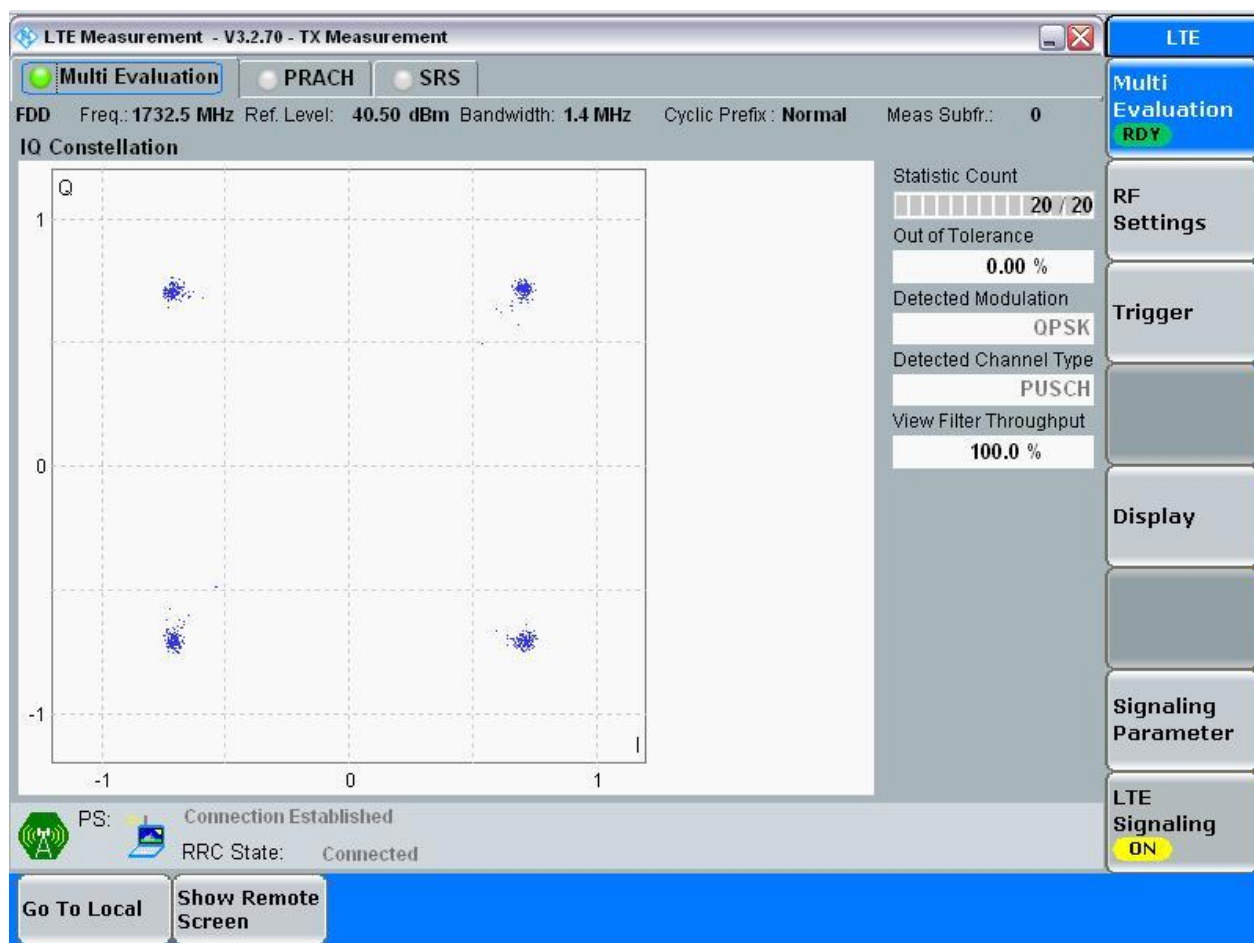
3.1.1 Test Band = BAND4

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

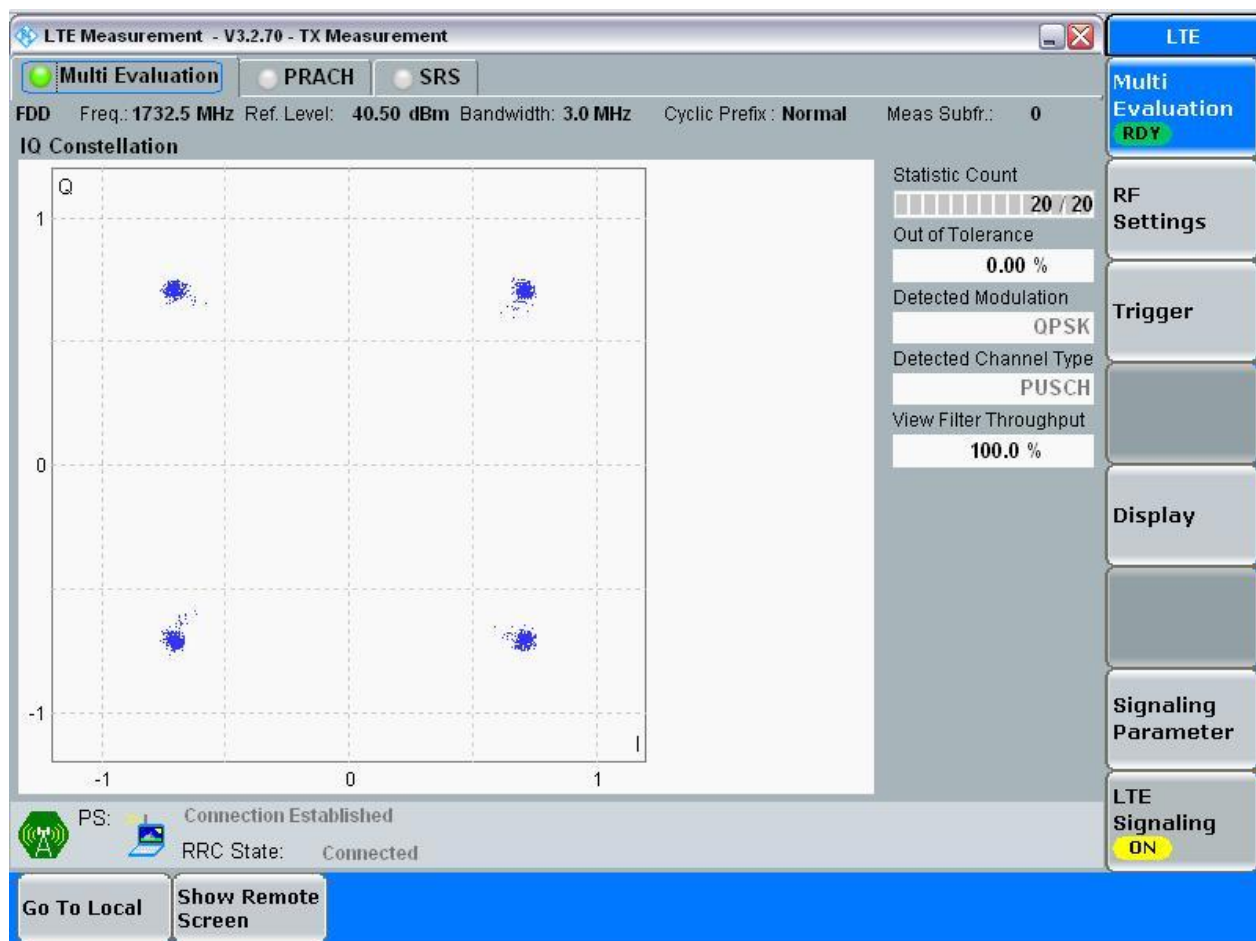
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

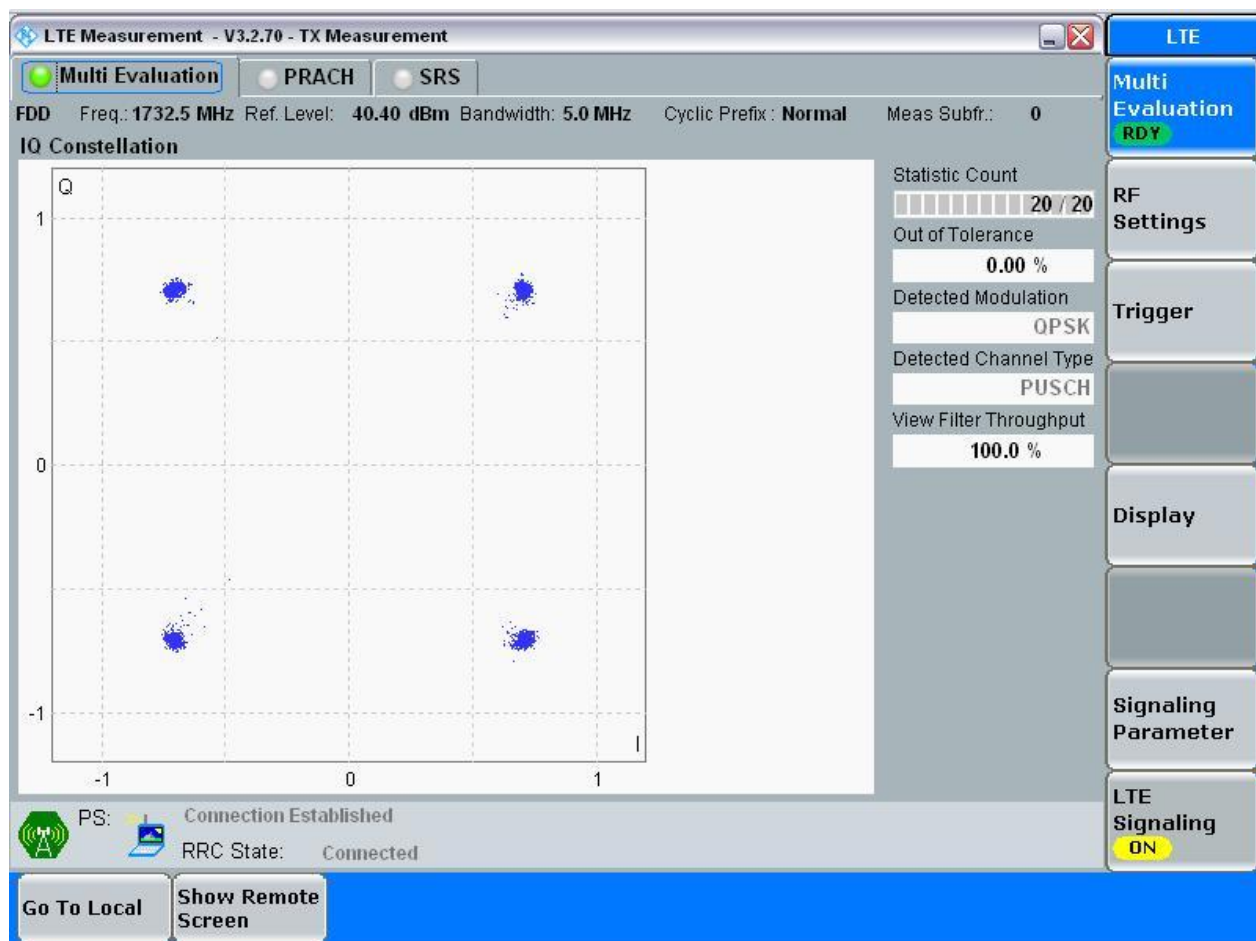
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

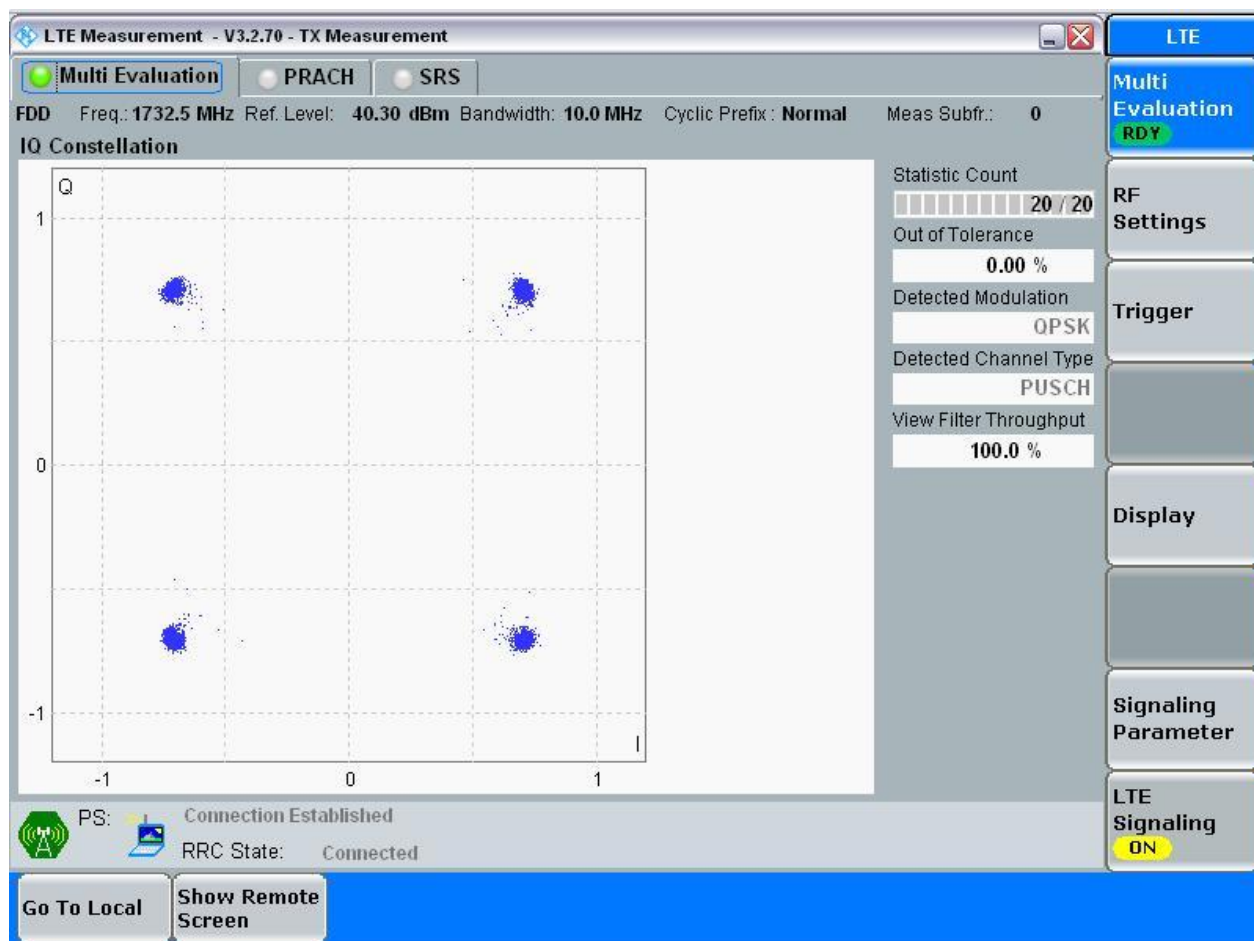
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

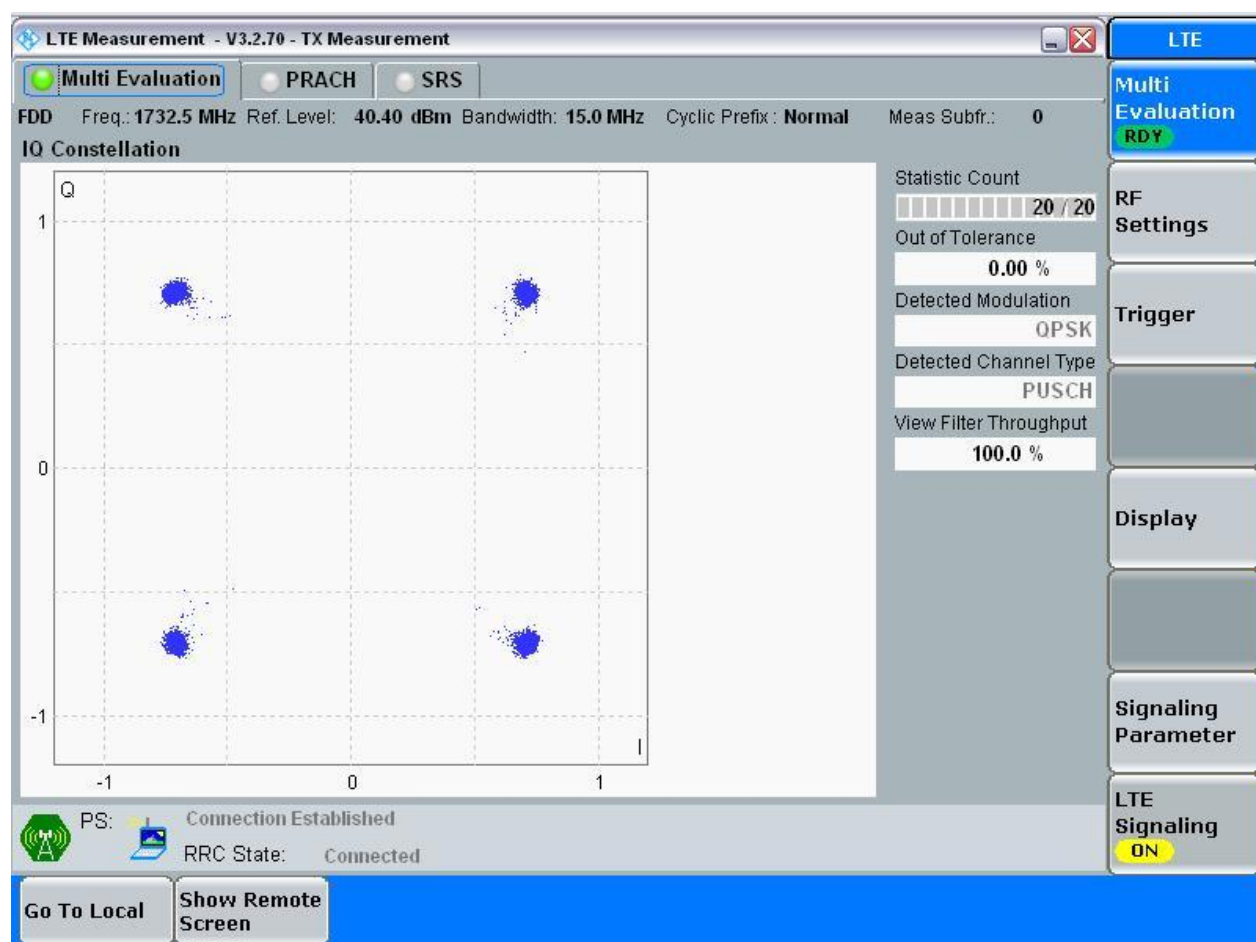
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

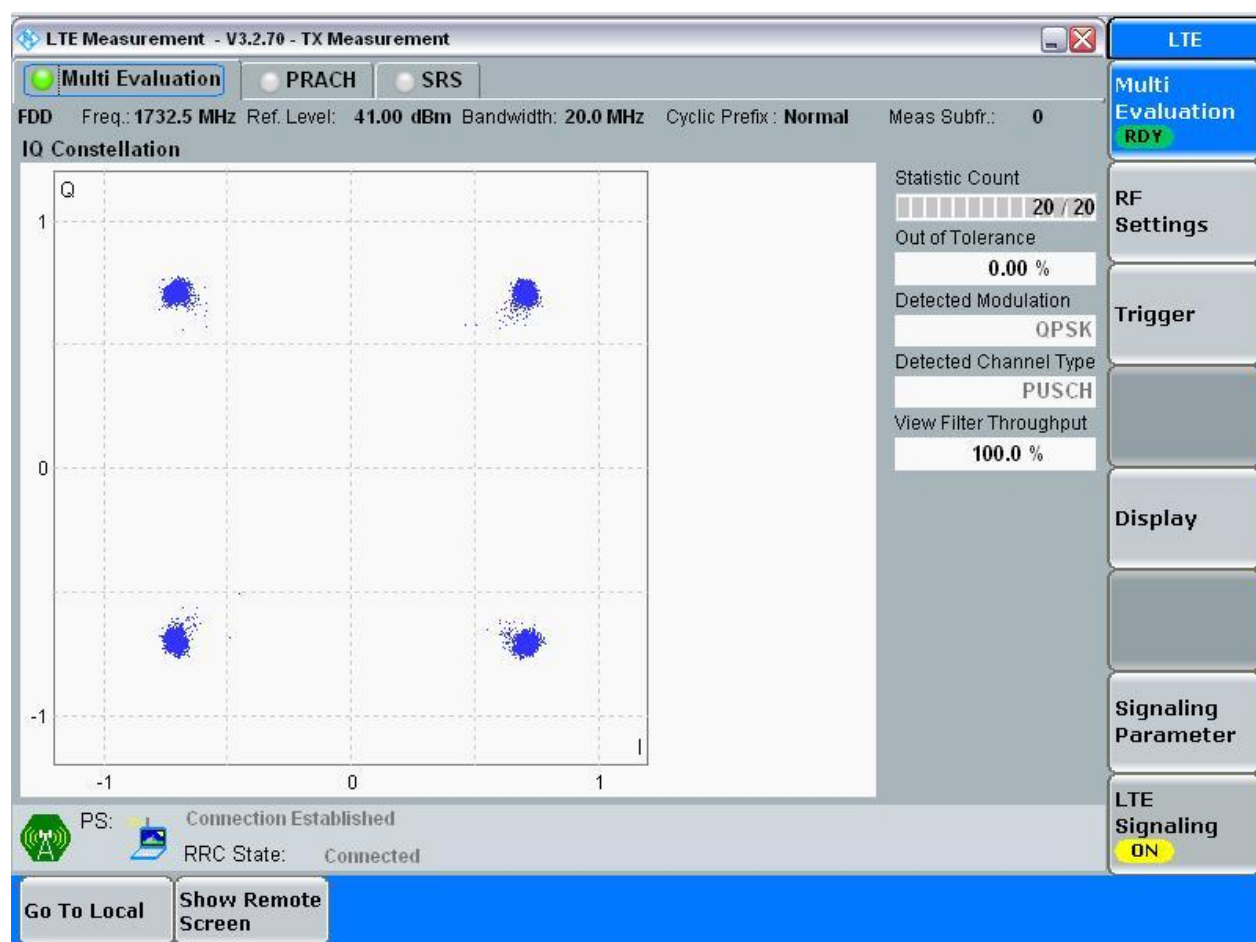
3.1.1.1.5.1.1 Test RB = RB75#0



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

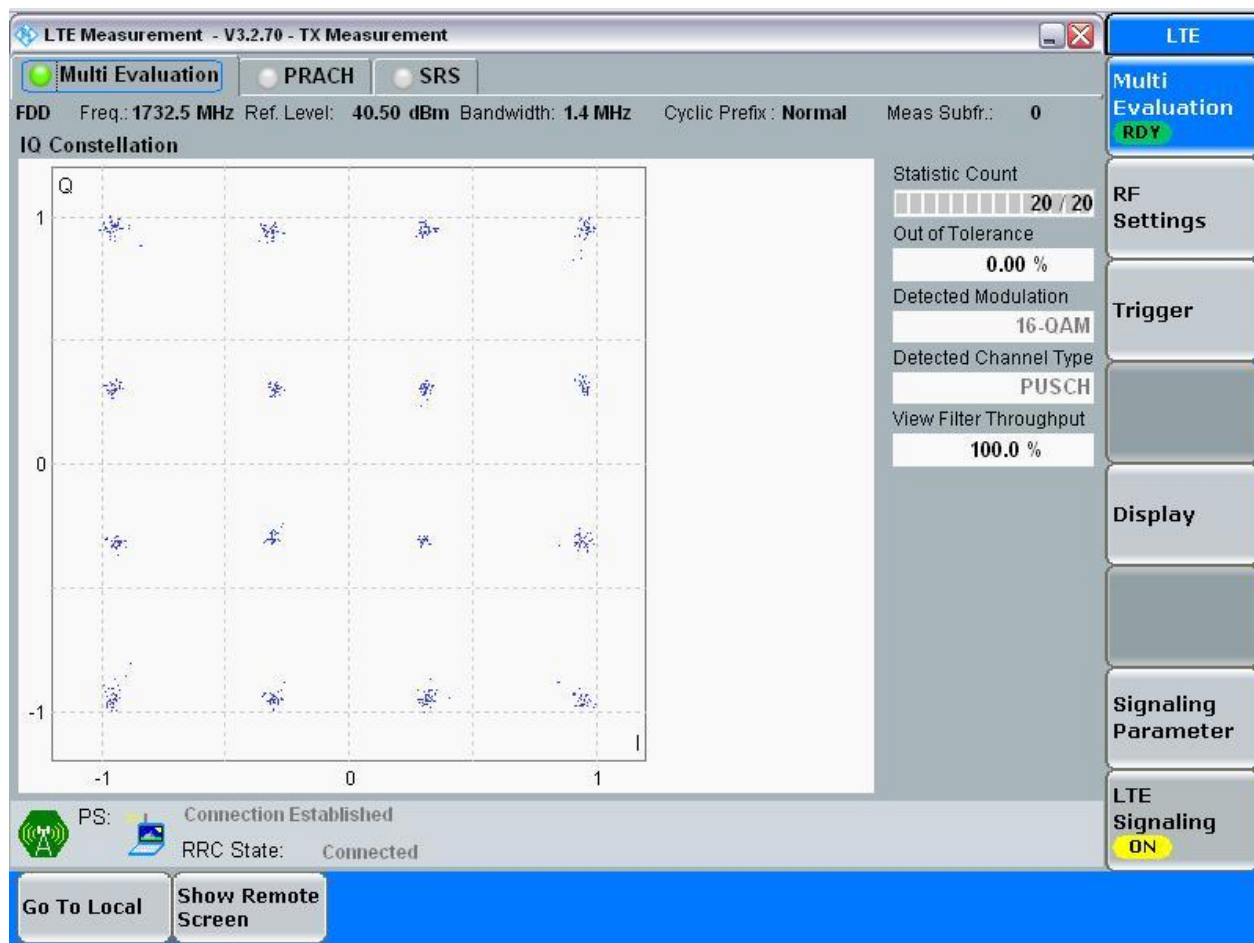


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

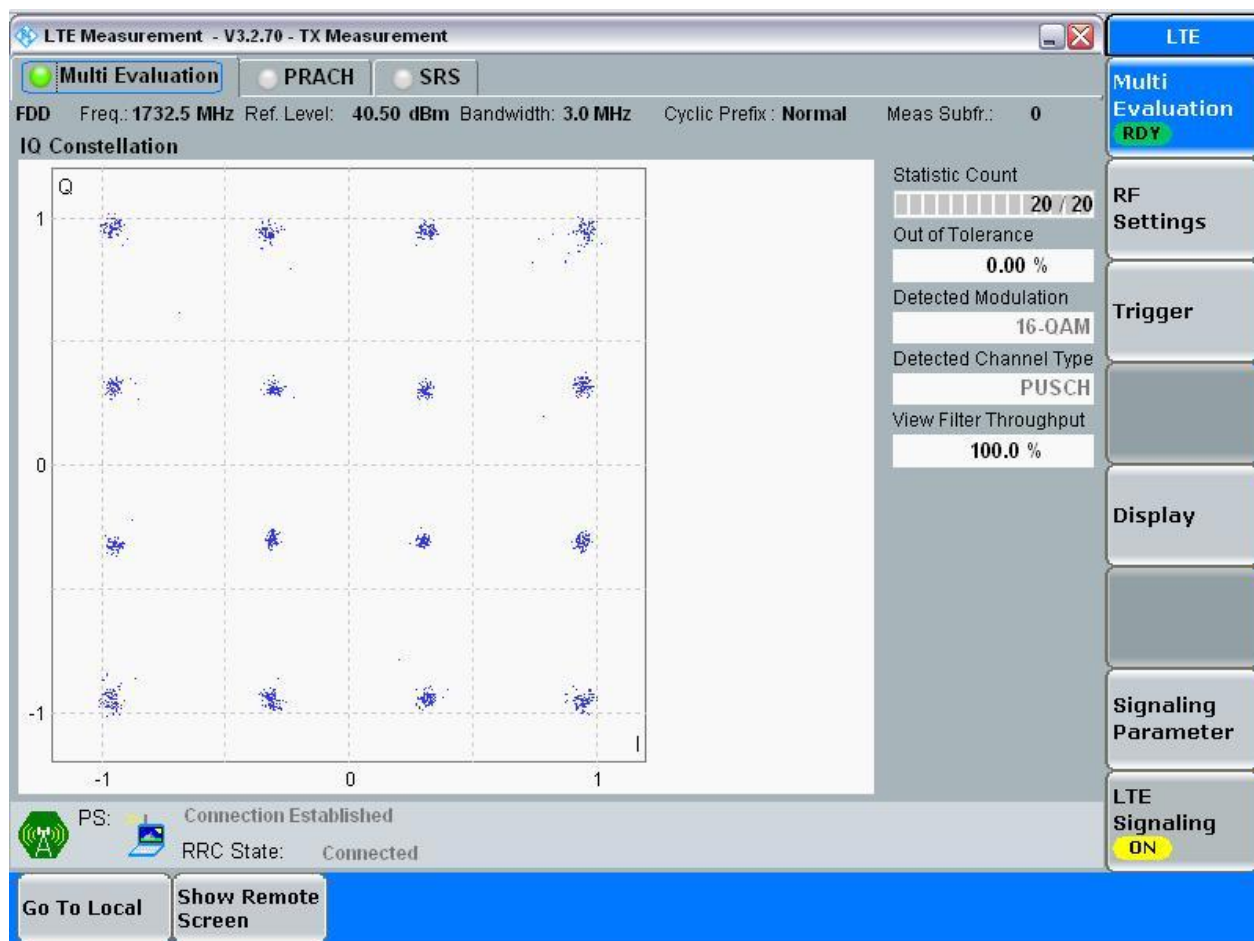
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

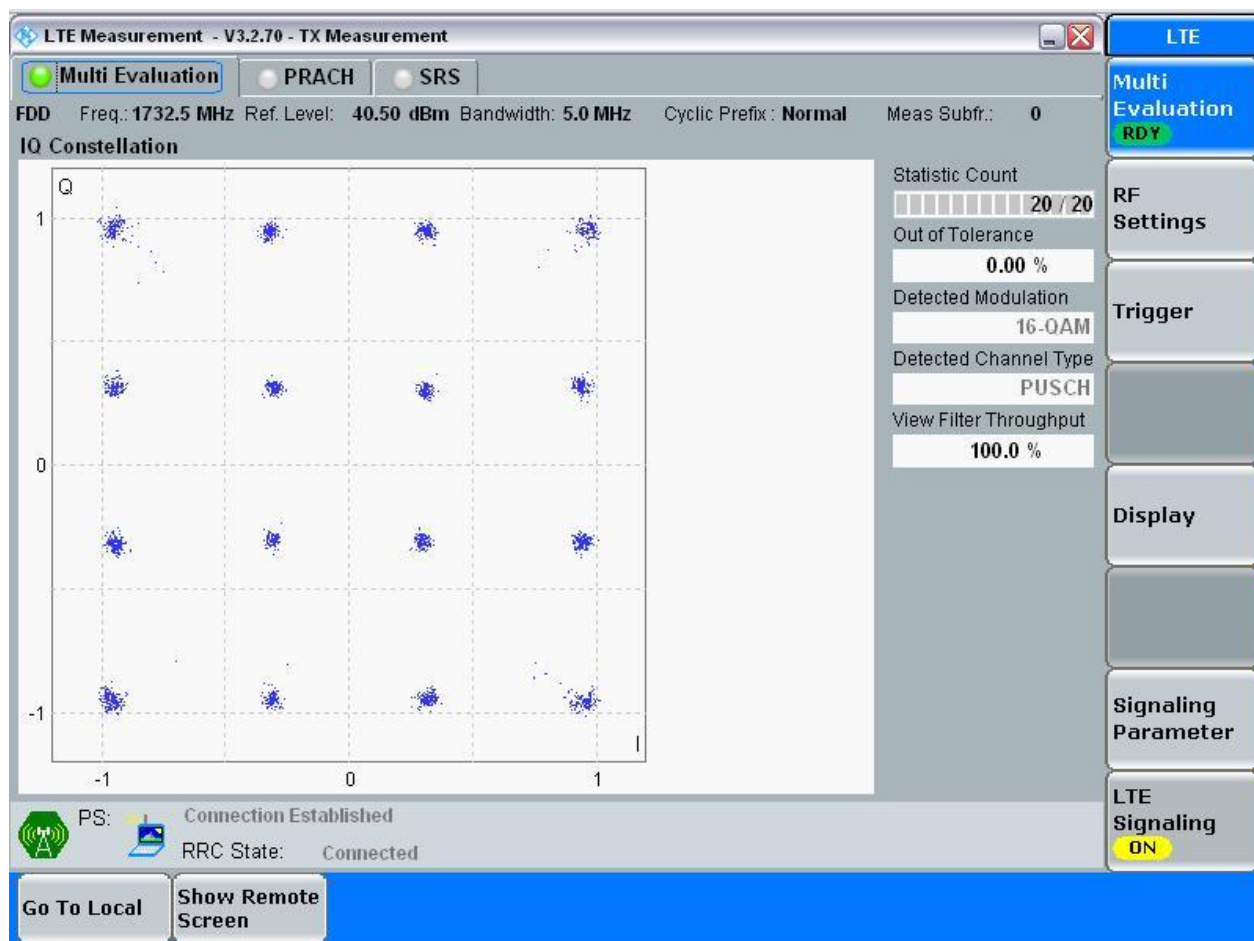
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

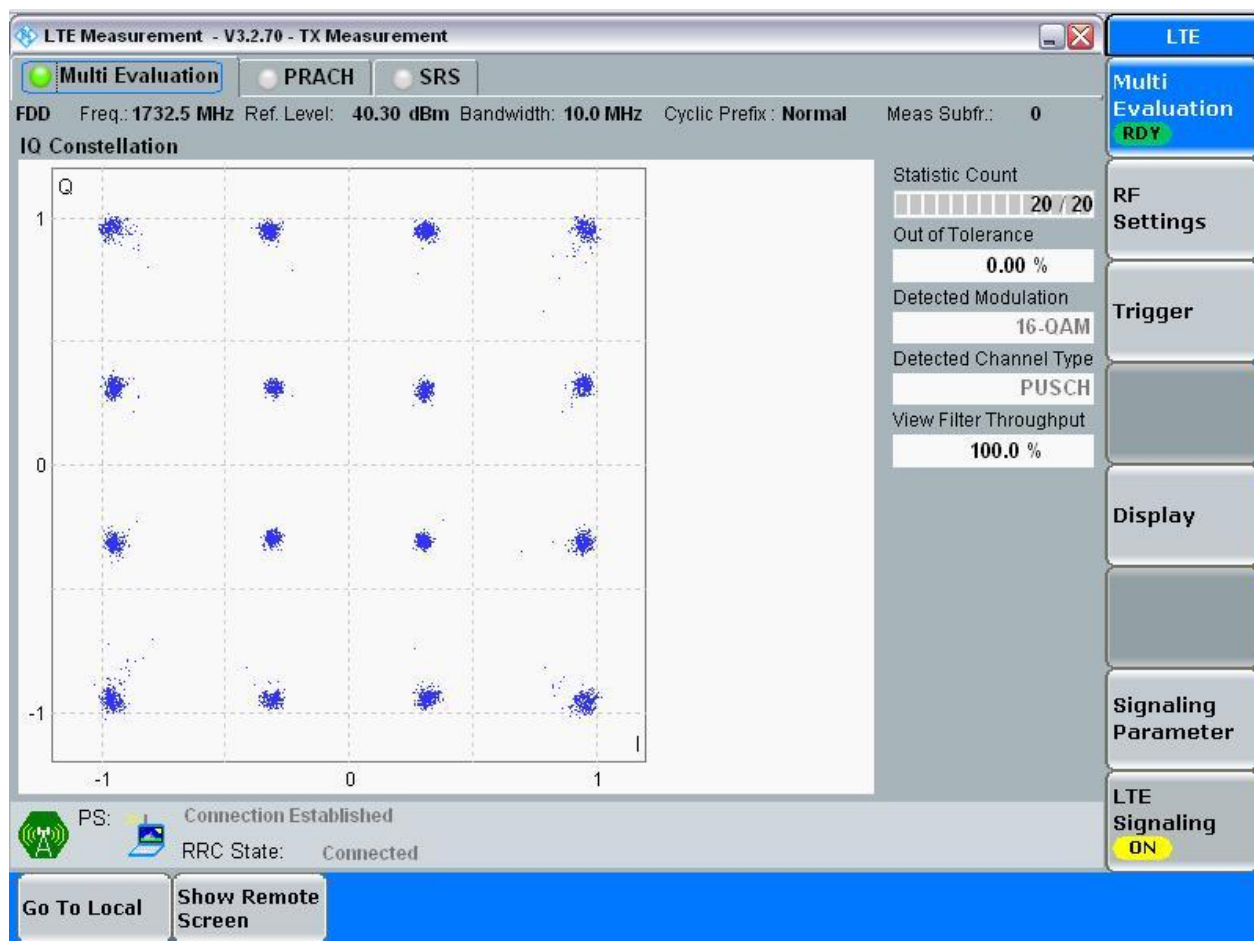
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

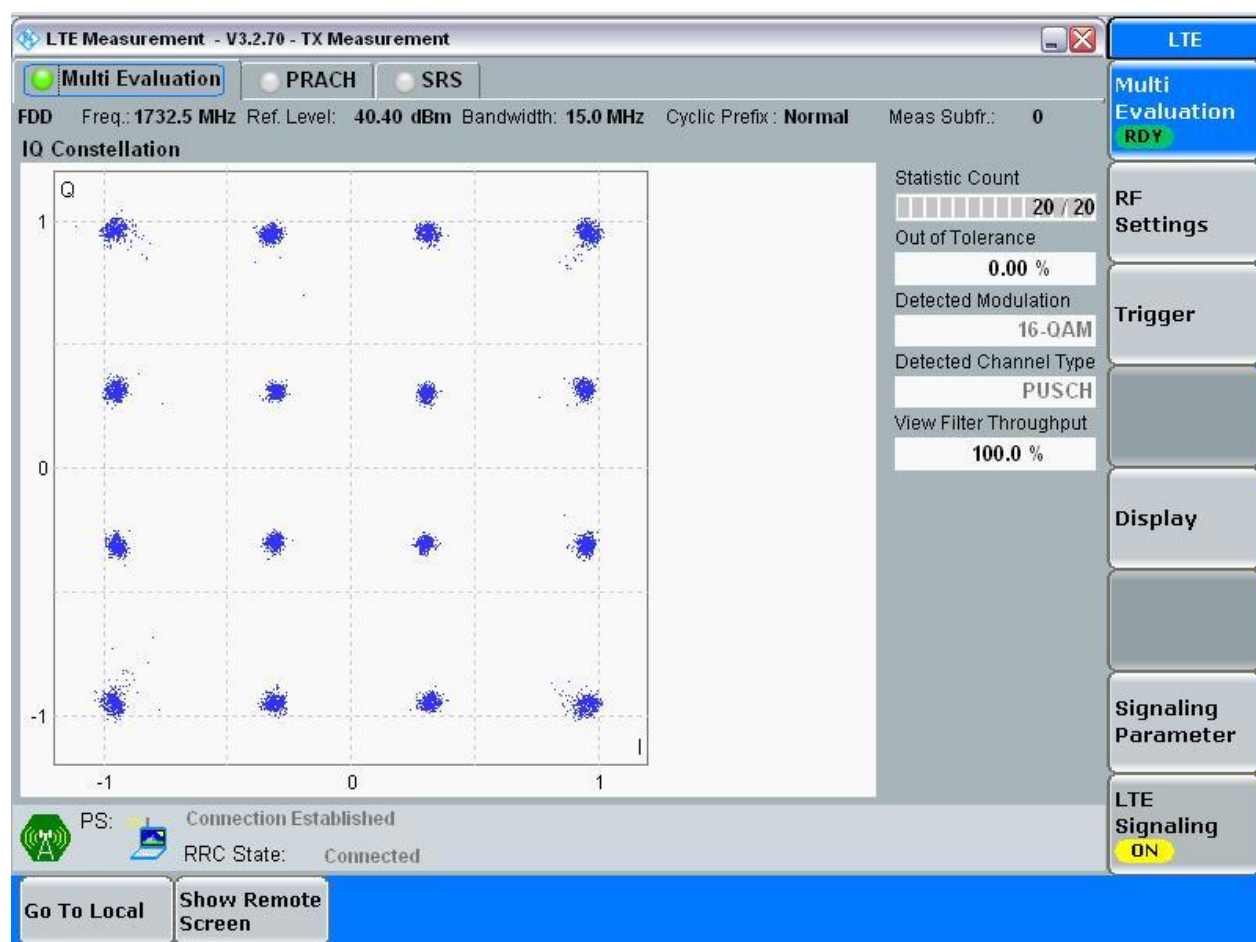
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

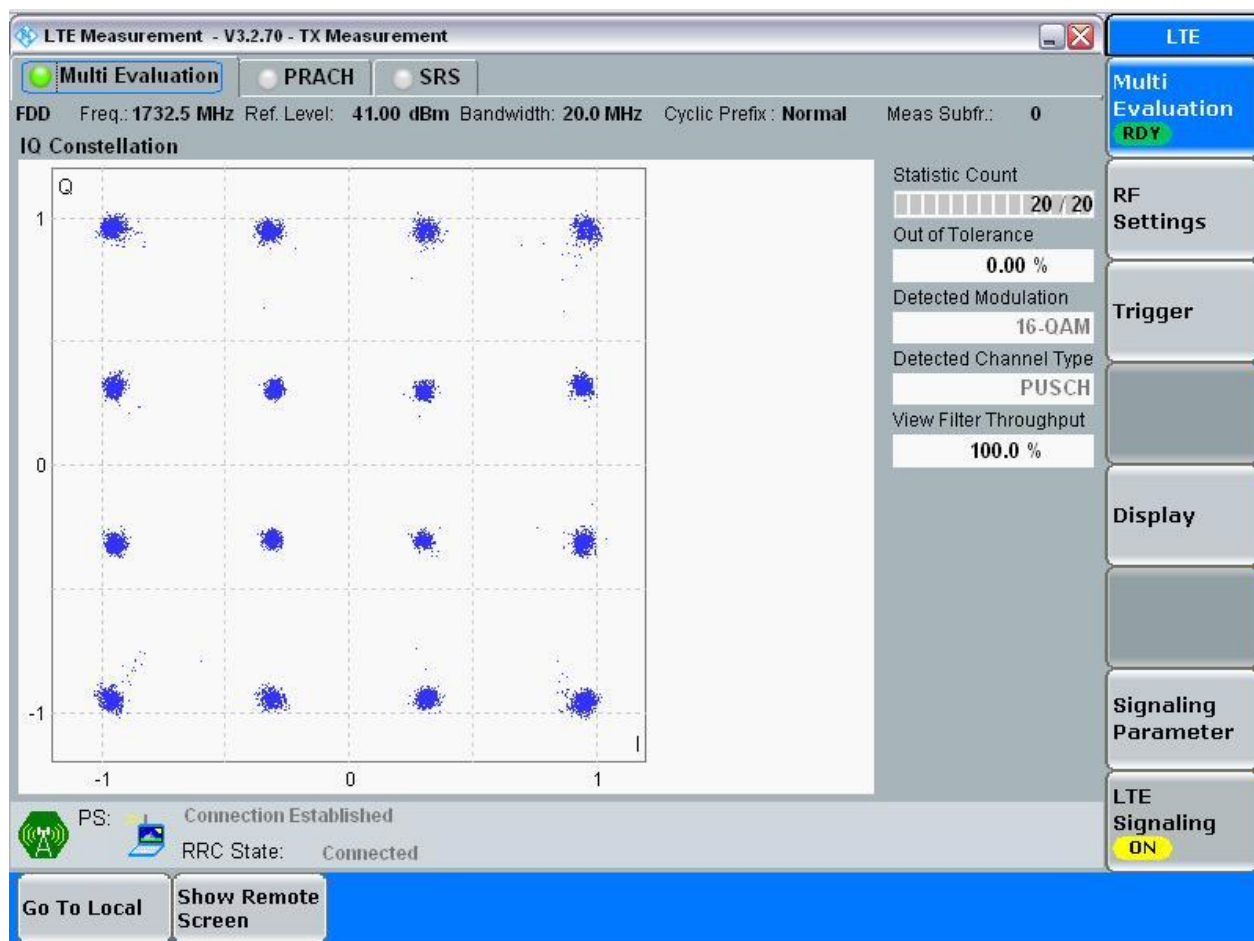
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.29	Pass
			MCH	RB6#0	1.09	1.29	Pass
			HCH	RB6#0	1.09	1.29	Pass
		3	LCH	RB15#0	2.71	3.00	Pass
			MCH	RB15#0	2.70	2.99	Pass
			HCH	RB15#0	2.71	3.00	Pass
		5	LCH	RB25#0	4.52	5.00	Pass
			MCH	RB25#0	4.51	4.99	Pass
			HCH	RB25#0	4.51	5.00	Pass
		10	LCH	RB50#0	8.98	9.89	Pass
			MCH	RB50#0	8.96	9.88	Pass
			HCH	RB50#0	8.96	9.88	Pass
		15	LCH	RB75#0	13.46	14.74	Pass
			MCH	RB75#0	13.44	14.77	Pass
			HCH	RB75#0	13.45	14.71	Pass
		20	LCH	RB100#0	17.87	19.32	Pass
			MCH	RB100#0	17.87	19.39	Pass
			HCH	RB100#0	17.93	19.59	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.31	Pass
			MCH	RB6#0	1.10	1.32	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.71	3.01	Pass
			MCH	RB15#0	2.71	3.01	Pass
			HCH	RB15#0	2.70	3.01	Pass
		5	LCH	RB25#0	4.52	5.04	Pass
			MCH	RB25#0	4.52	5.02	Pass
			HCH	RB25#0	4.52	5.03	Pass
		10	LCH	RB50#0	9.00	9.92	Pass
			MCH	RB50#0	8.98	9.89	Pass
			HCH	RB50#0	8.99	9.89	Pass
		15	LCH	RB75#0	13.45	14.73	Pass
			MCH	RB75#0	13.44	14.65	Pass
			HCH	RB75#0	13.43	14.69	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		20	LCH	RB100#0	17.89	19.48	Pass
			MCH	RB100#0	17.90	19.39	Pass
			HCH	RB100#0	17.92	19.57	Pass



Part II - Test Plots

4.1 For LTE

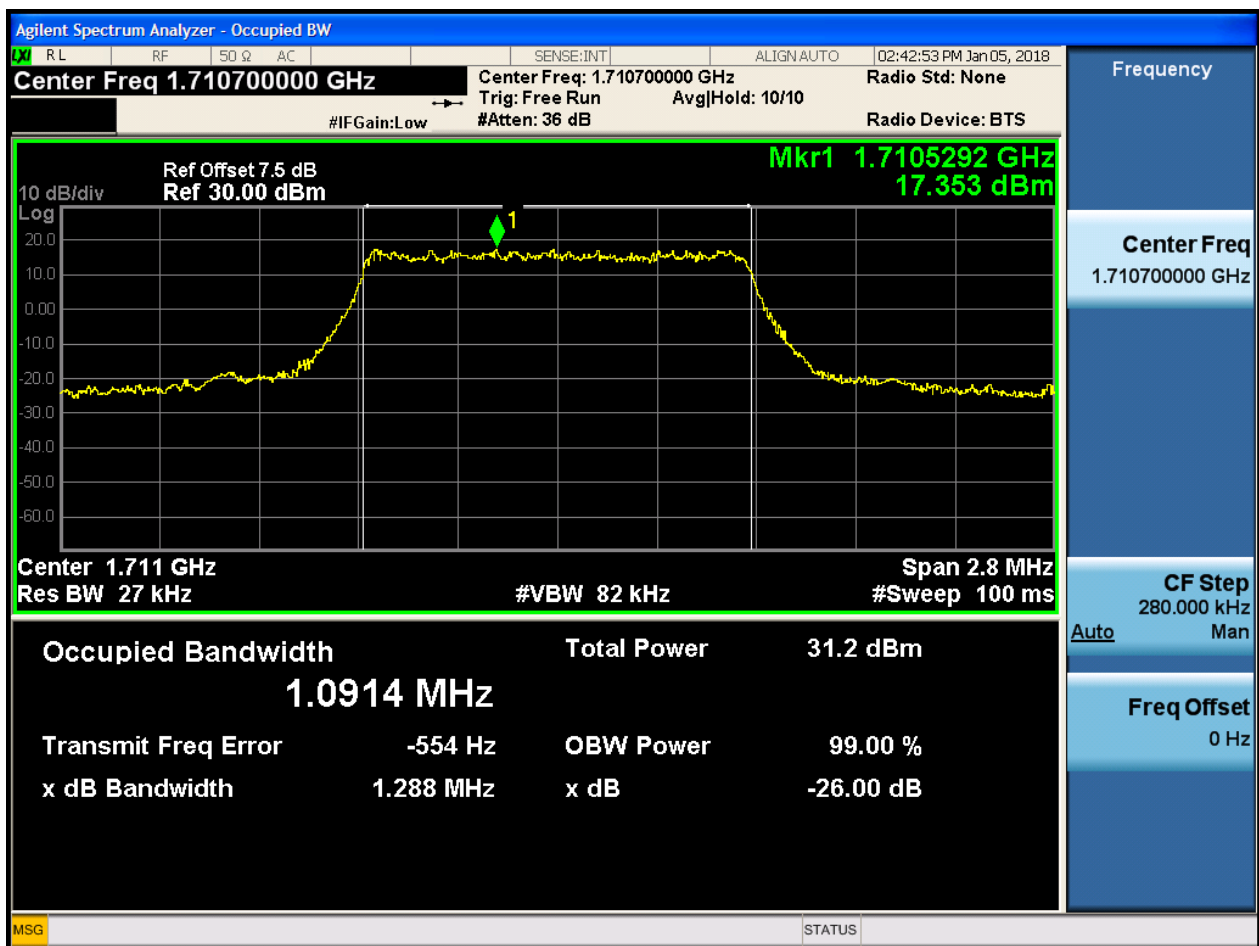
4.1.1 Test Band = BAND4

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

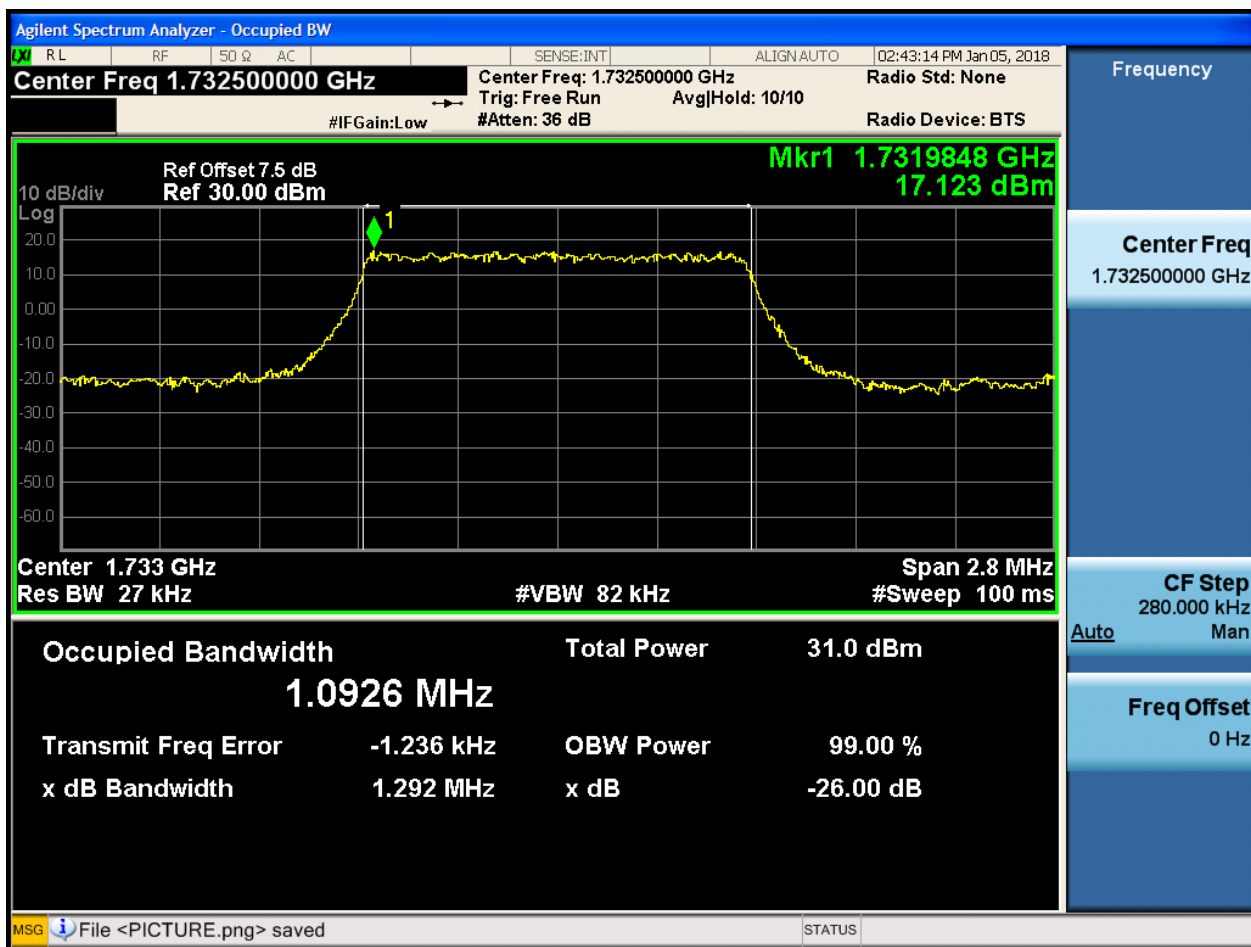
4.1.1.1.1.1.1 Test RB = RB6#0





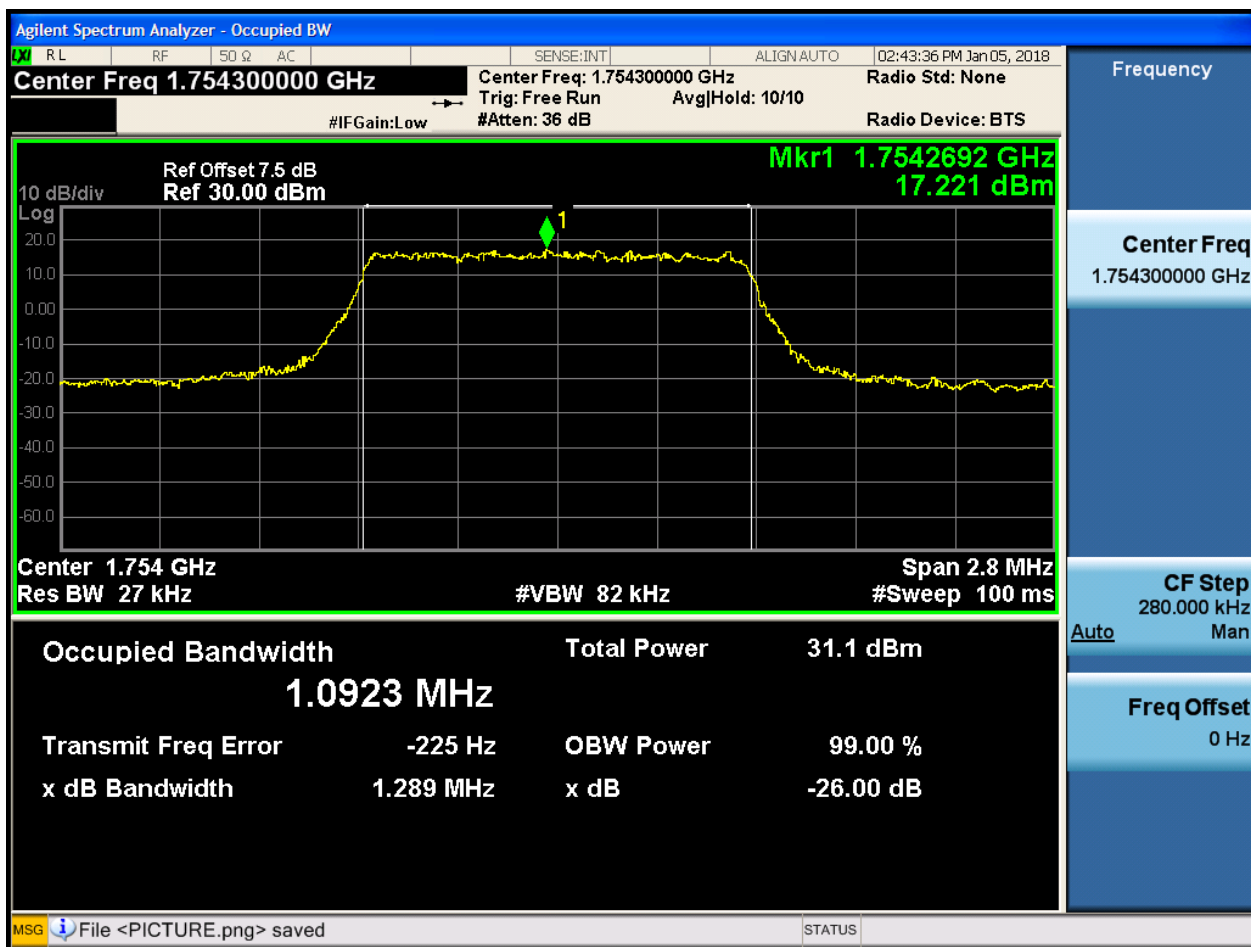
4.1.1.1.1.2 Test Channel = MCH

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

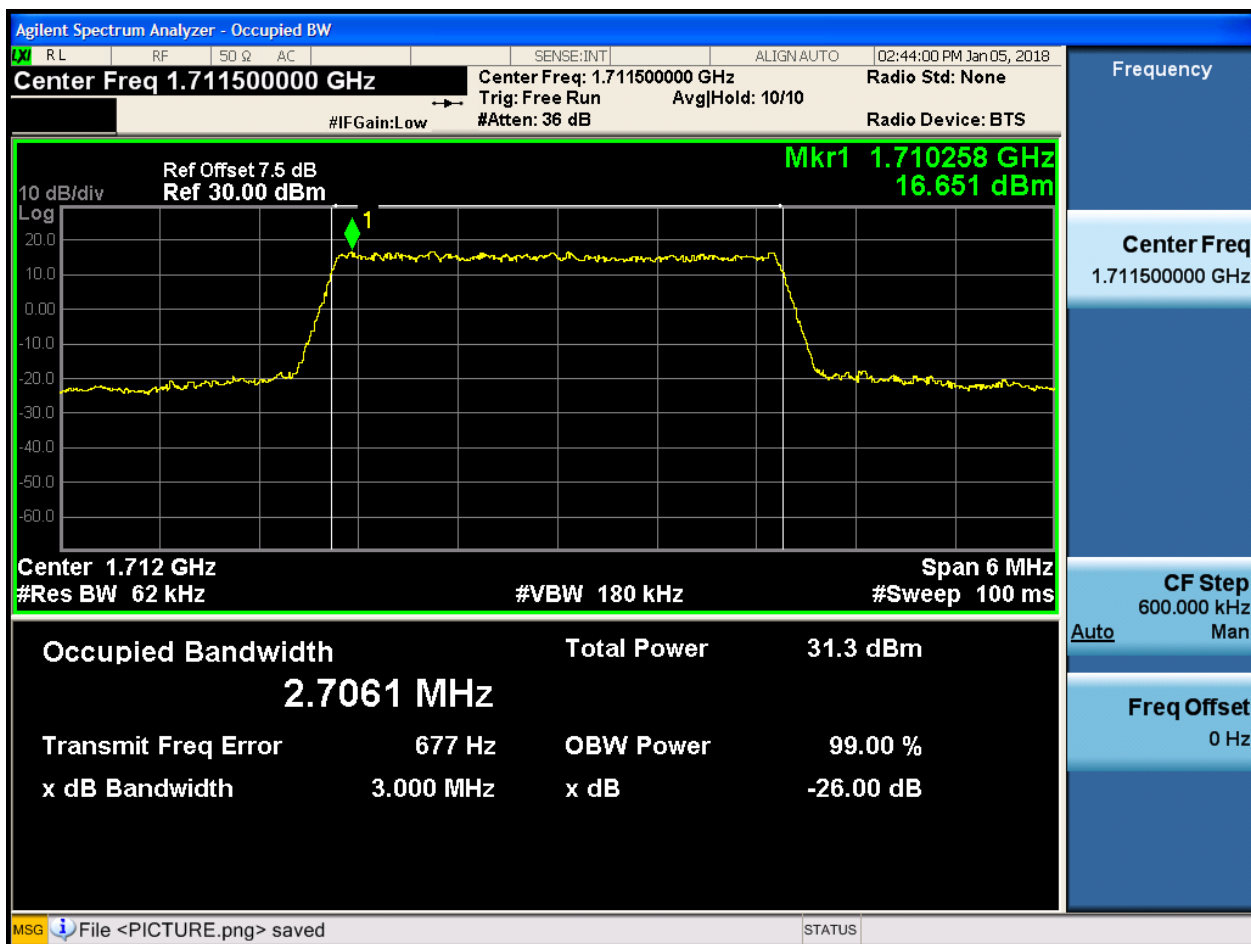




4.1.1.1.2 Test Bandwidth = 3

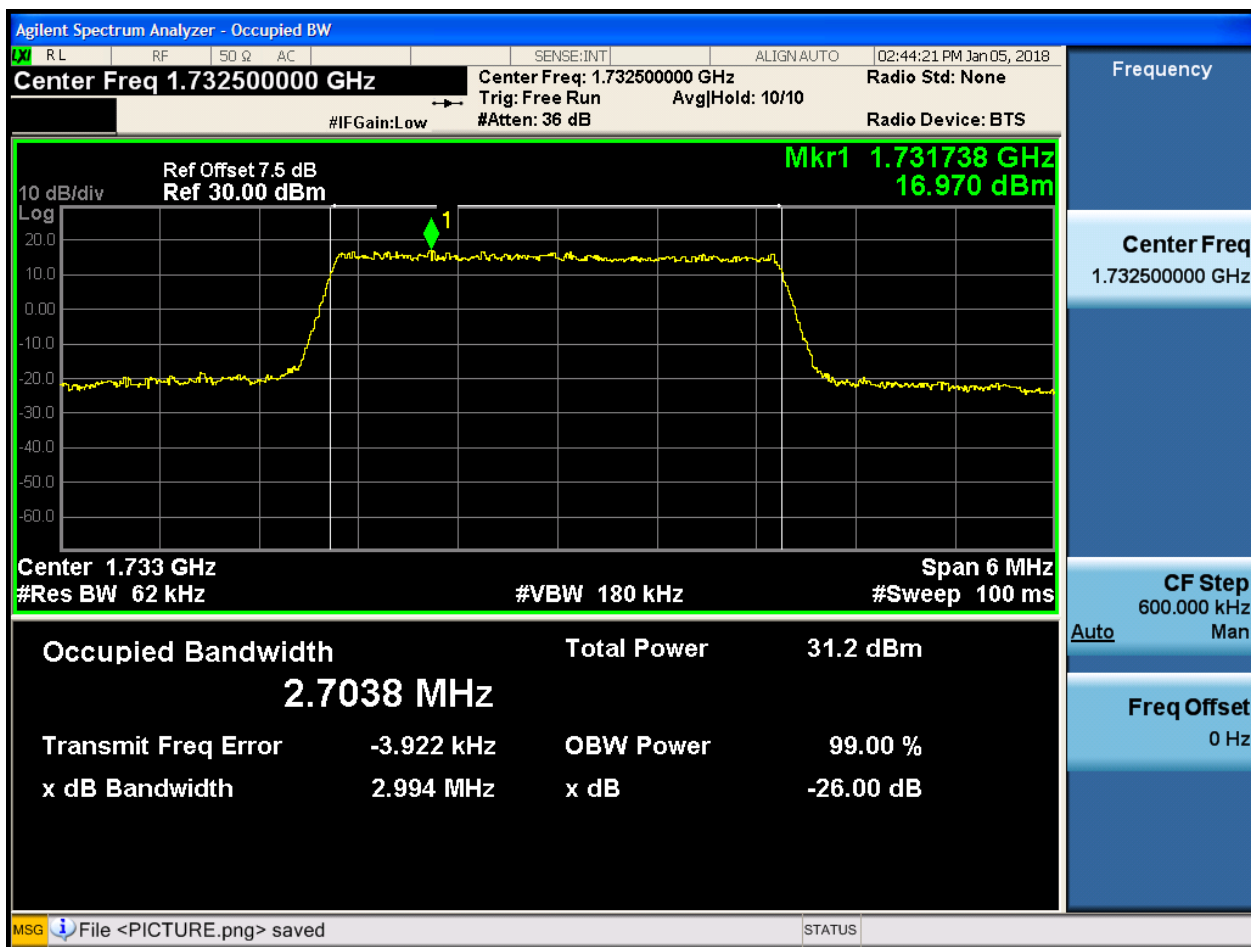
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



4.1.1.1.2.2 Test Channel = MCH

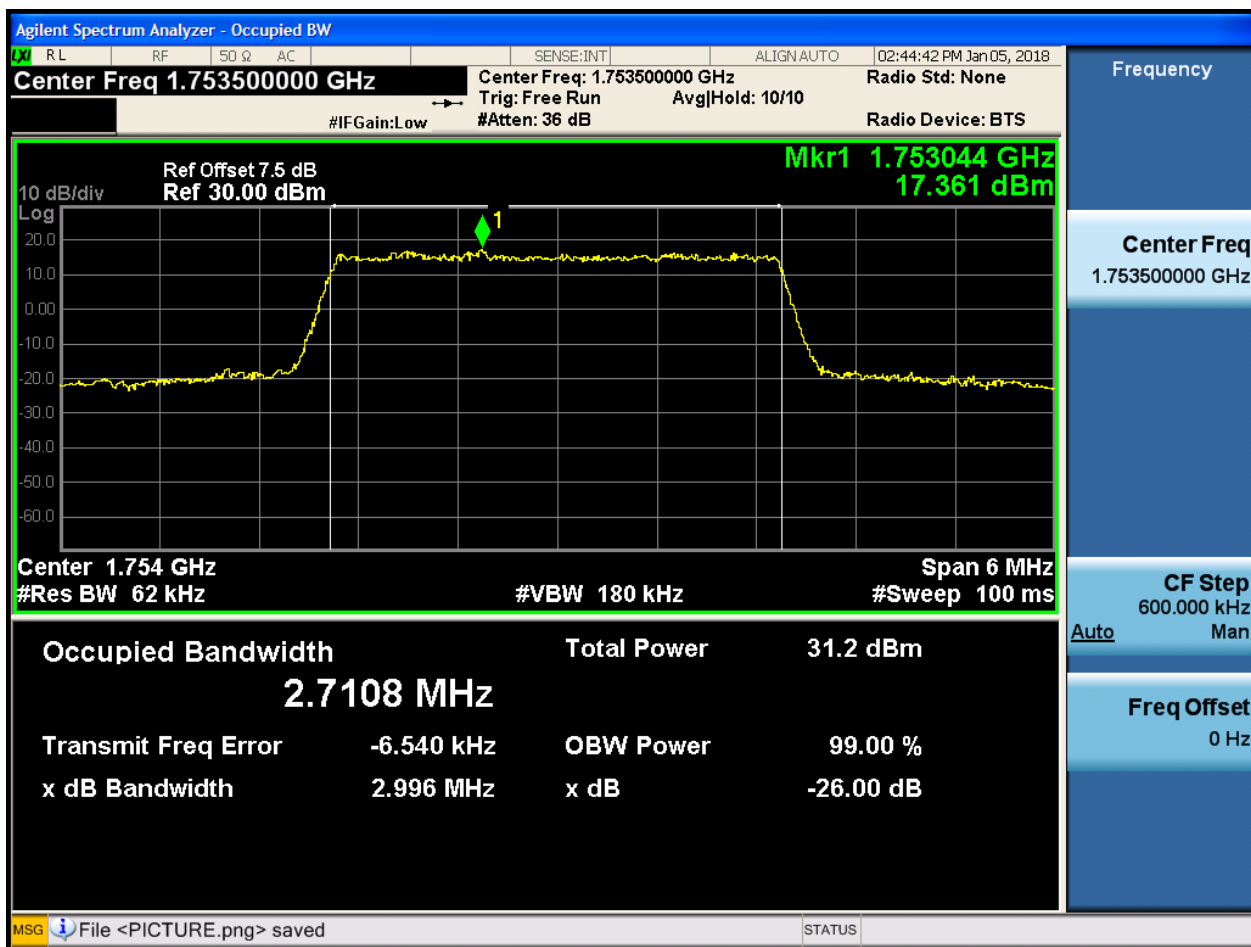
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

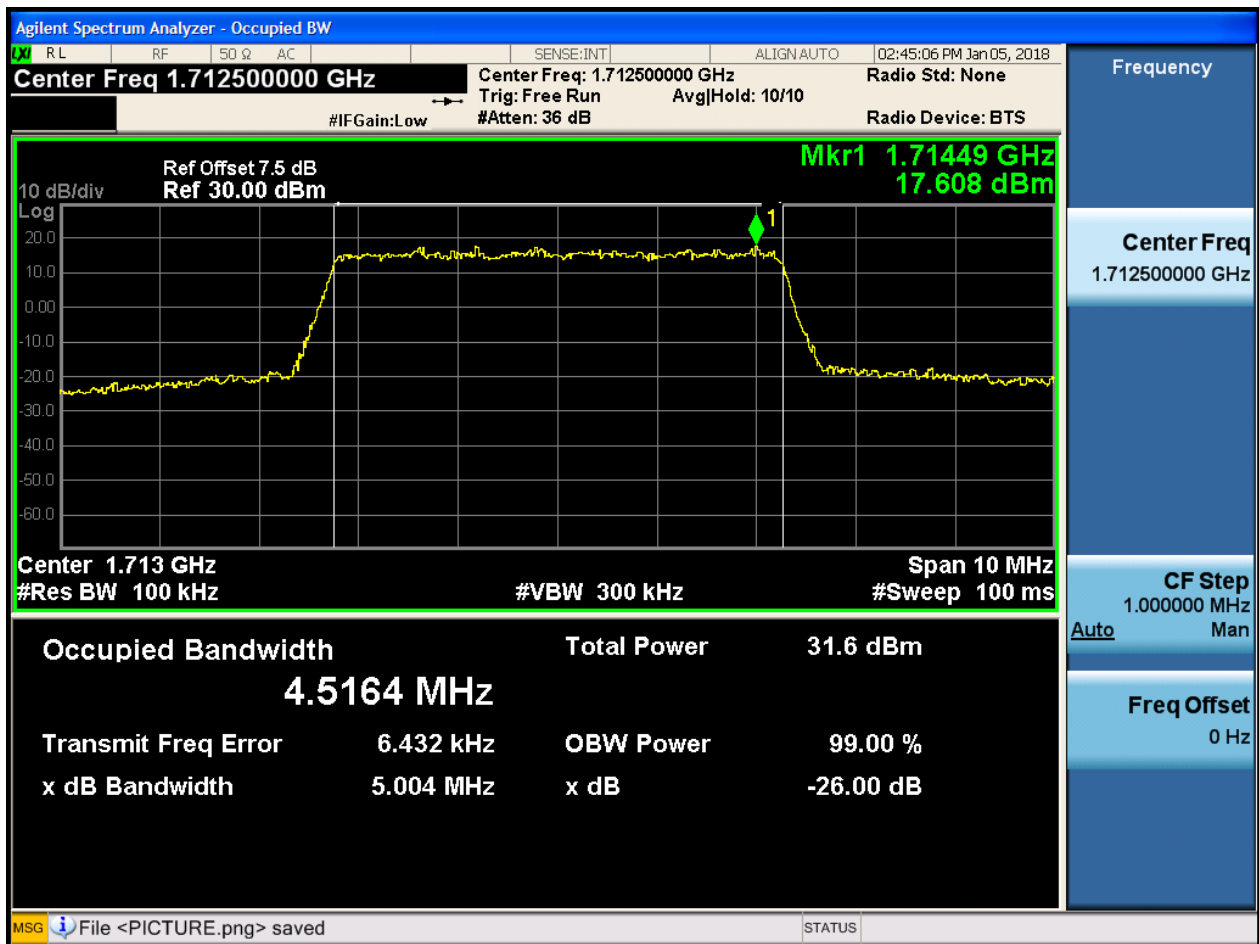




4.1.1.1.3 Test Bandwidth = 5

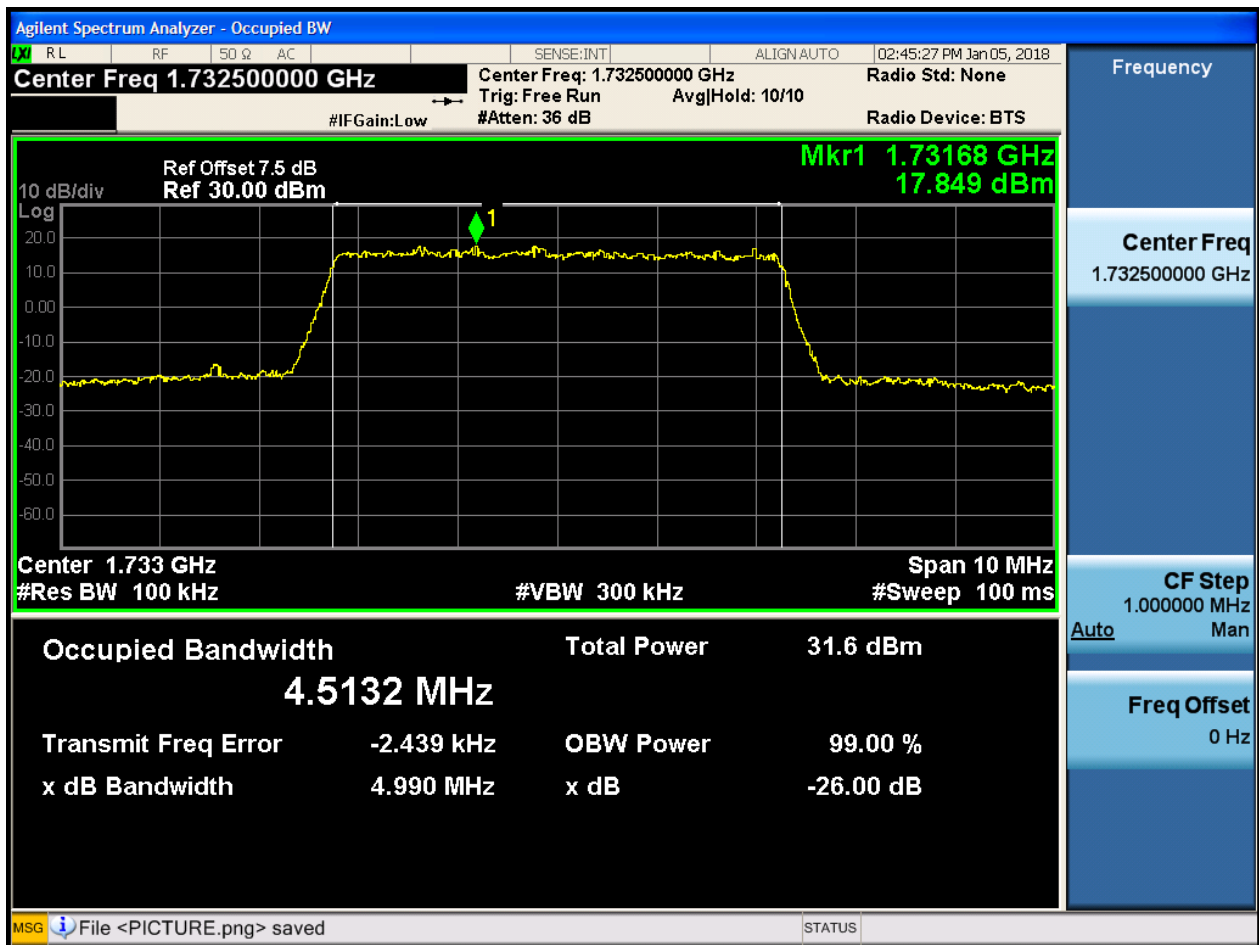
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



4.1.1.1.3.2 Test Channel = MCH

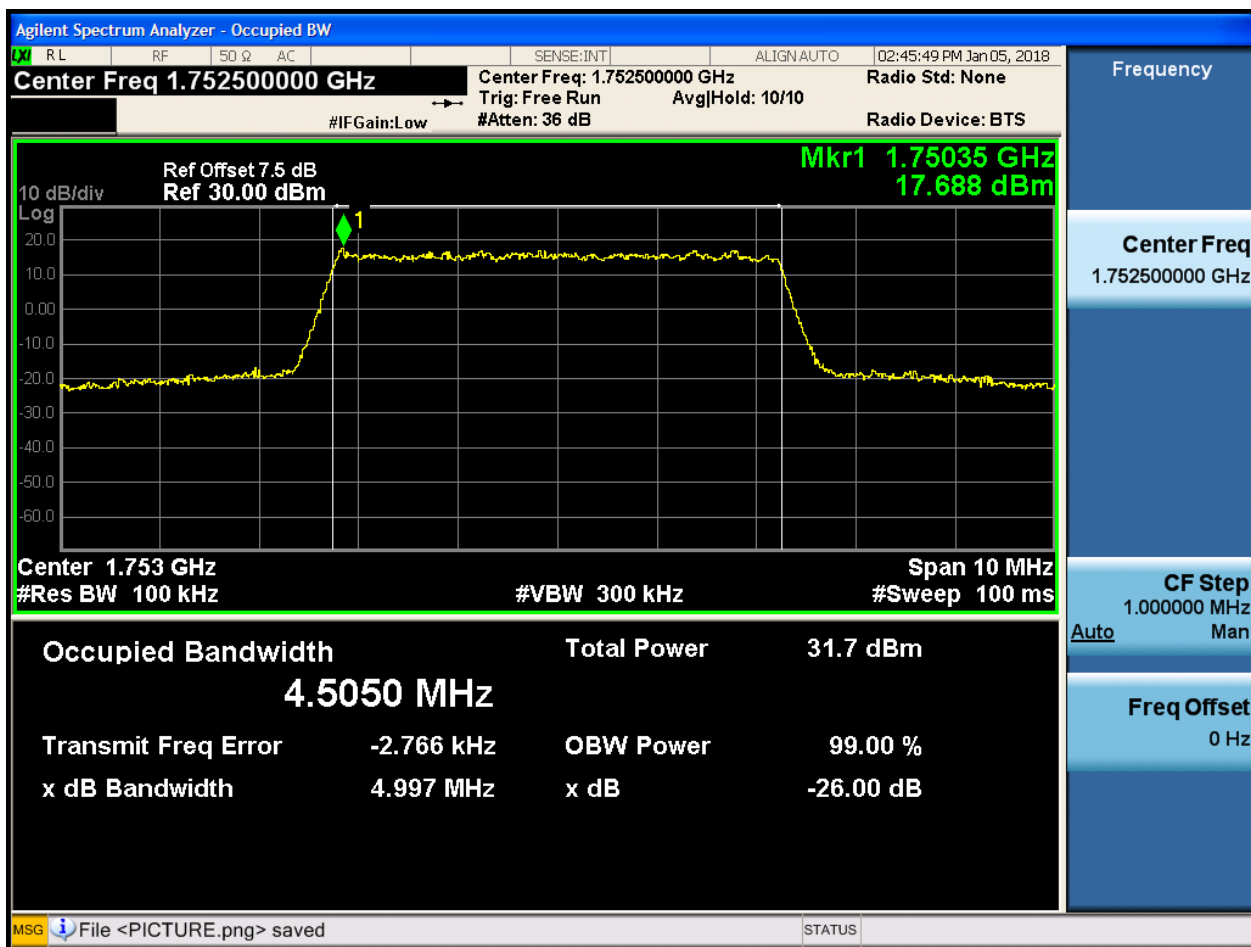
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

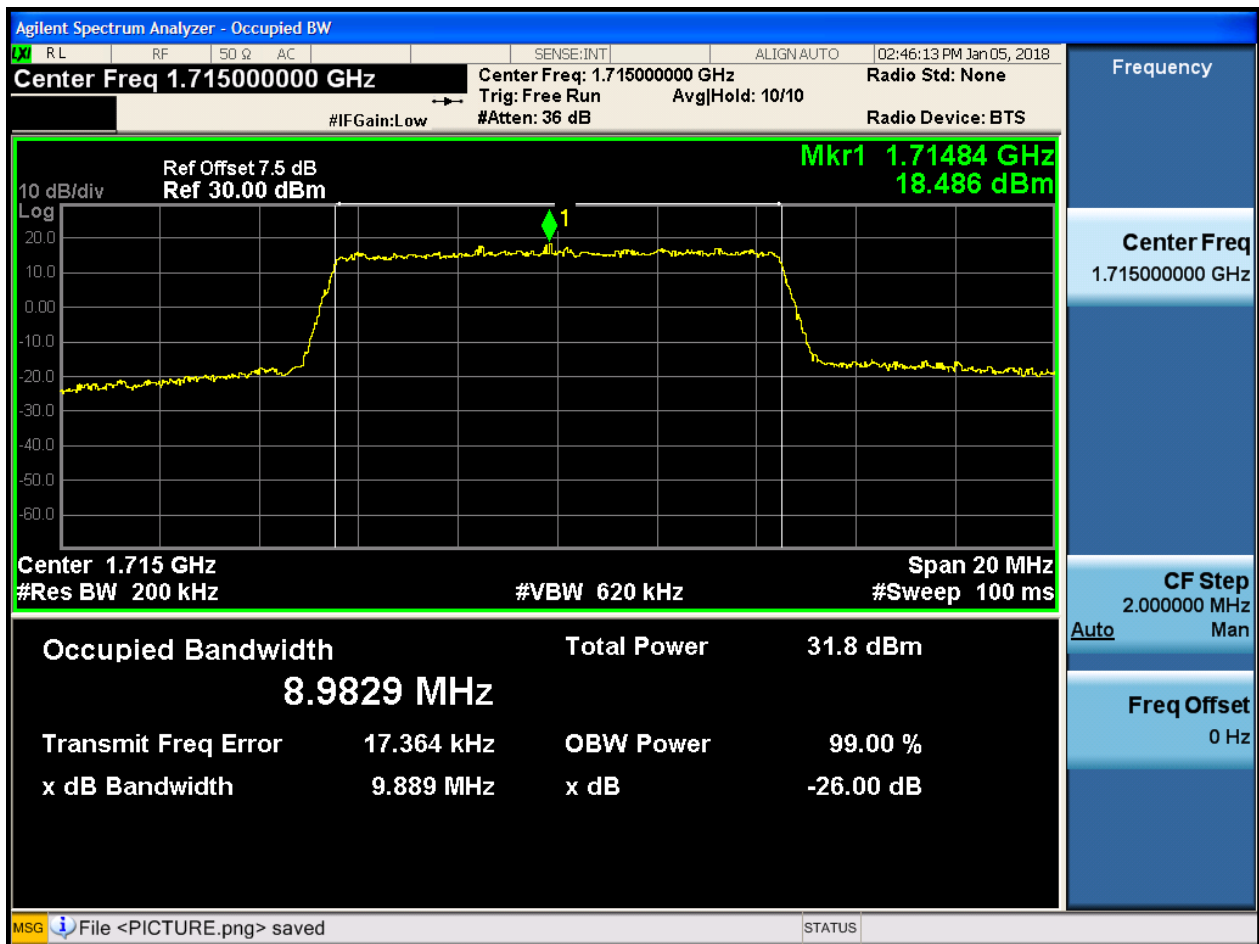




4.1.1.1.4 Test Bandwidth = 10

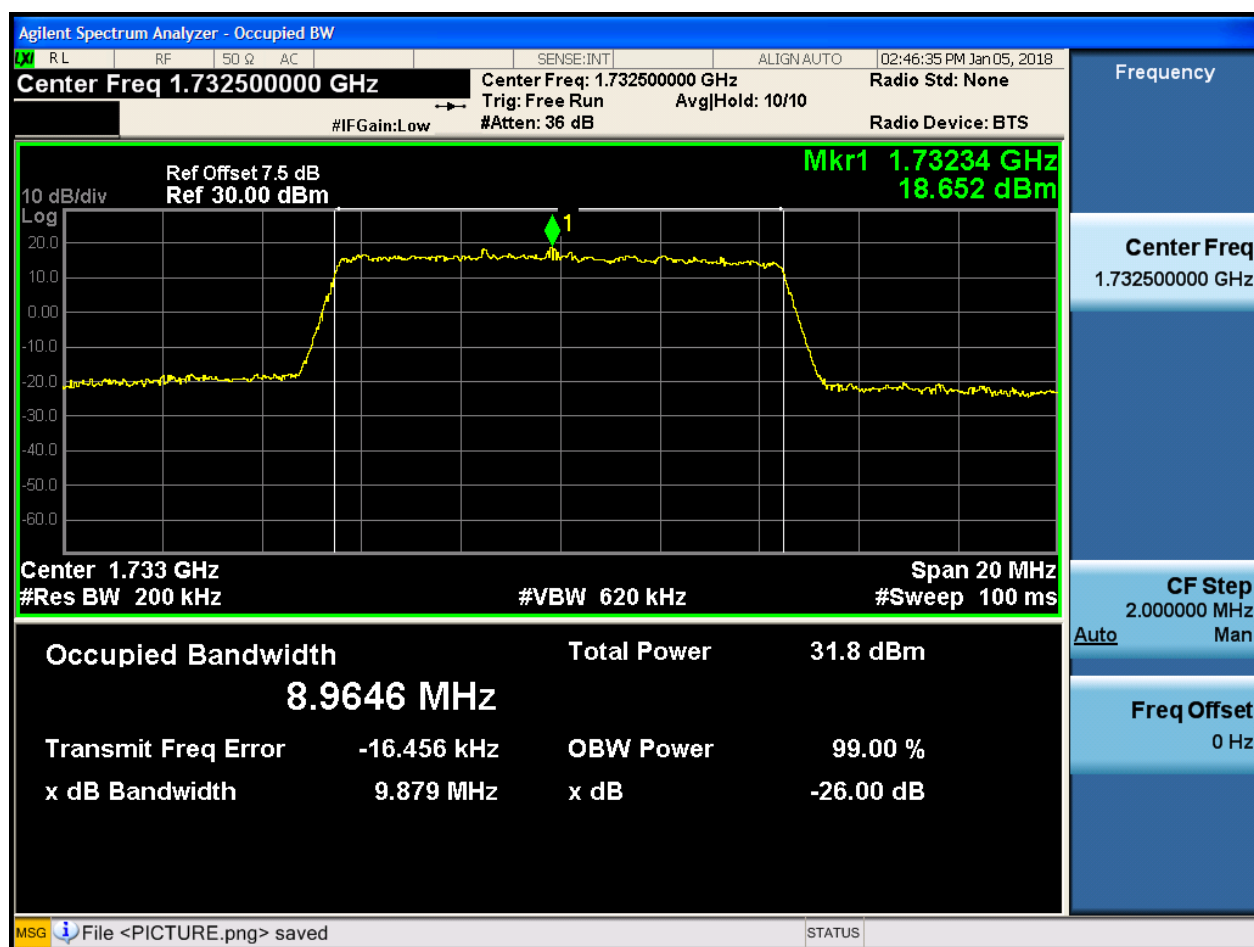
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



4.1.1.1.4.2 Test Channel = MCH

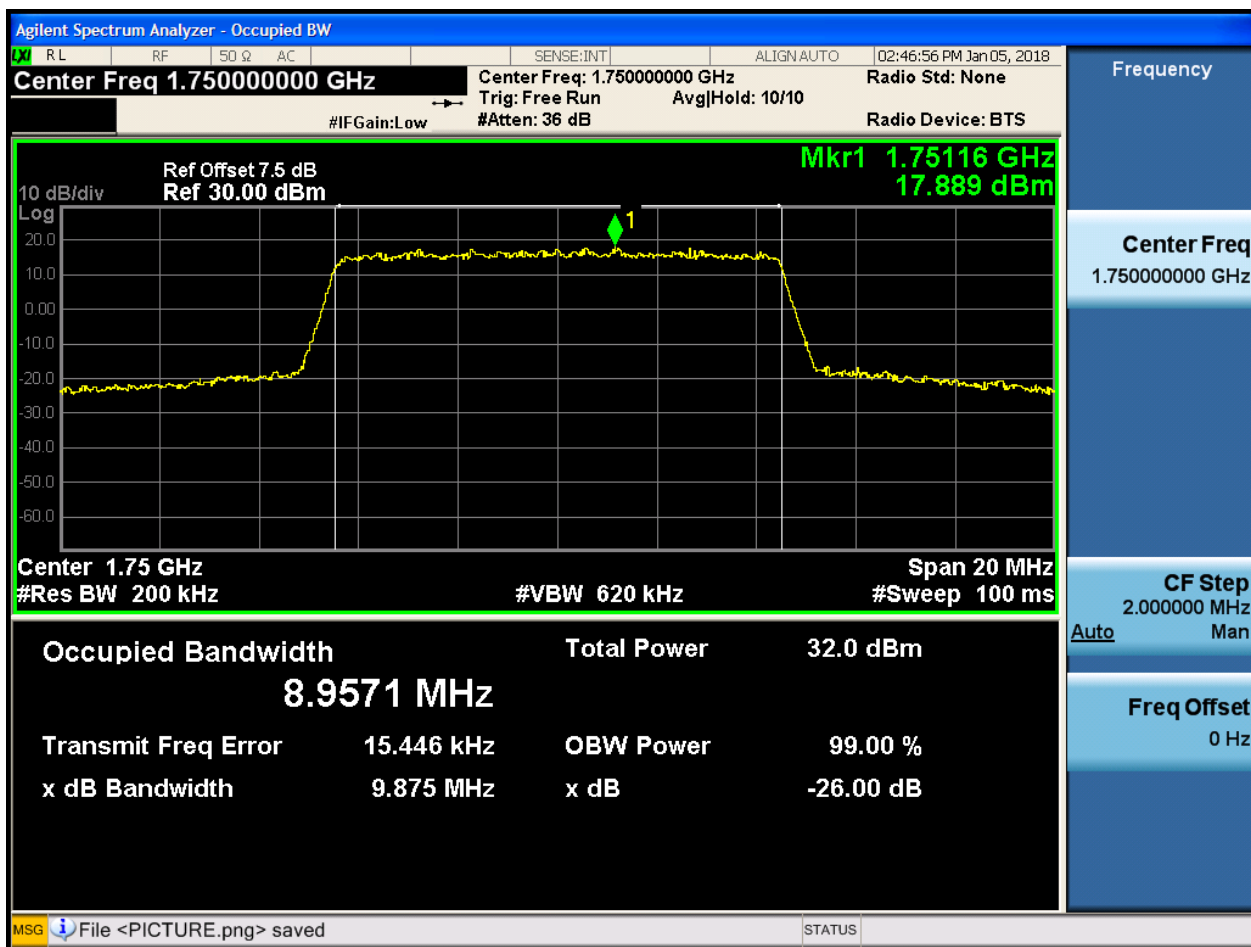
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

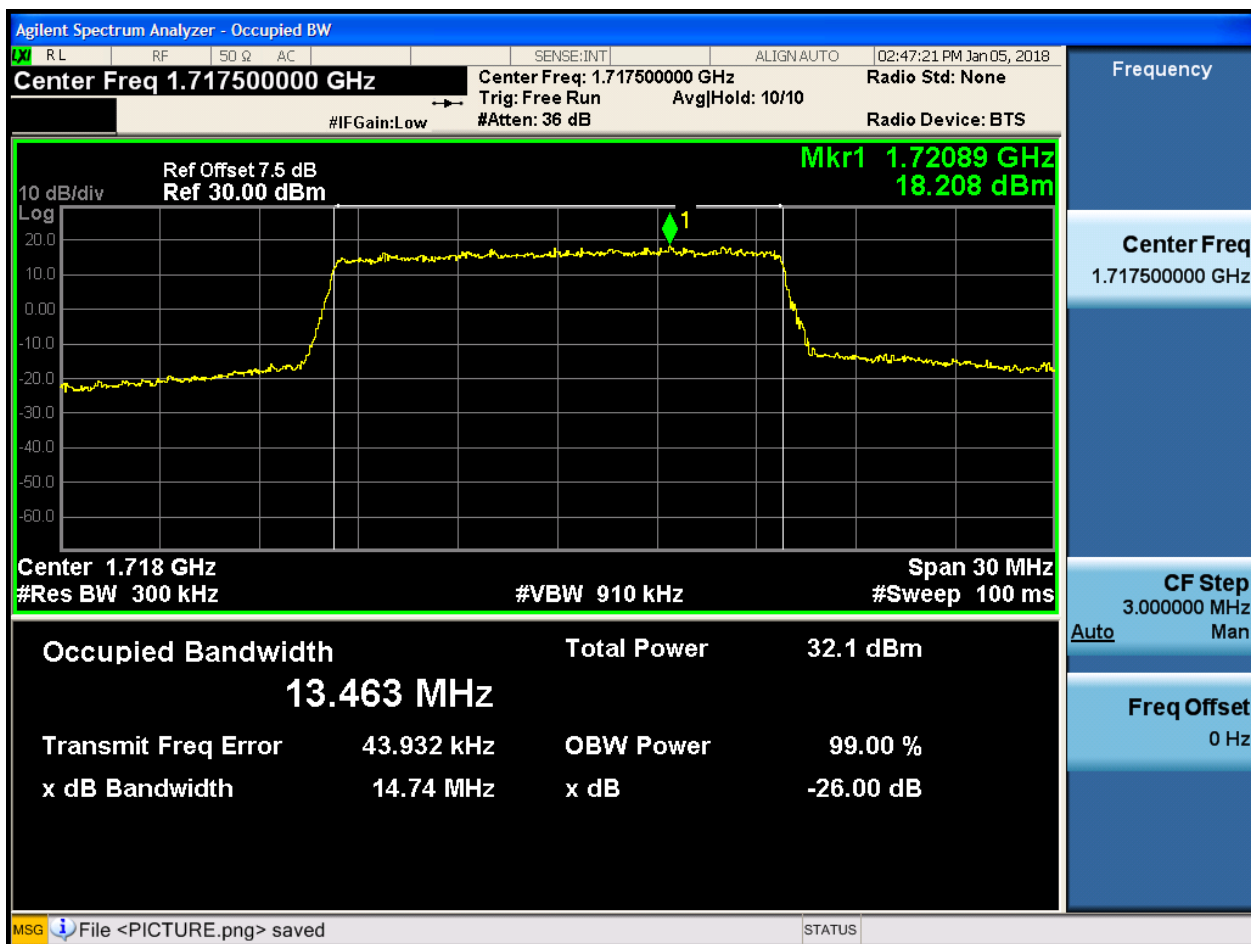




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

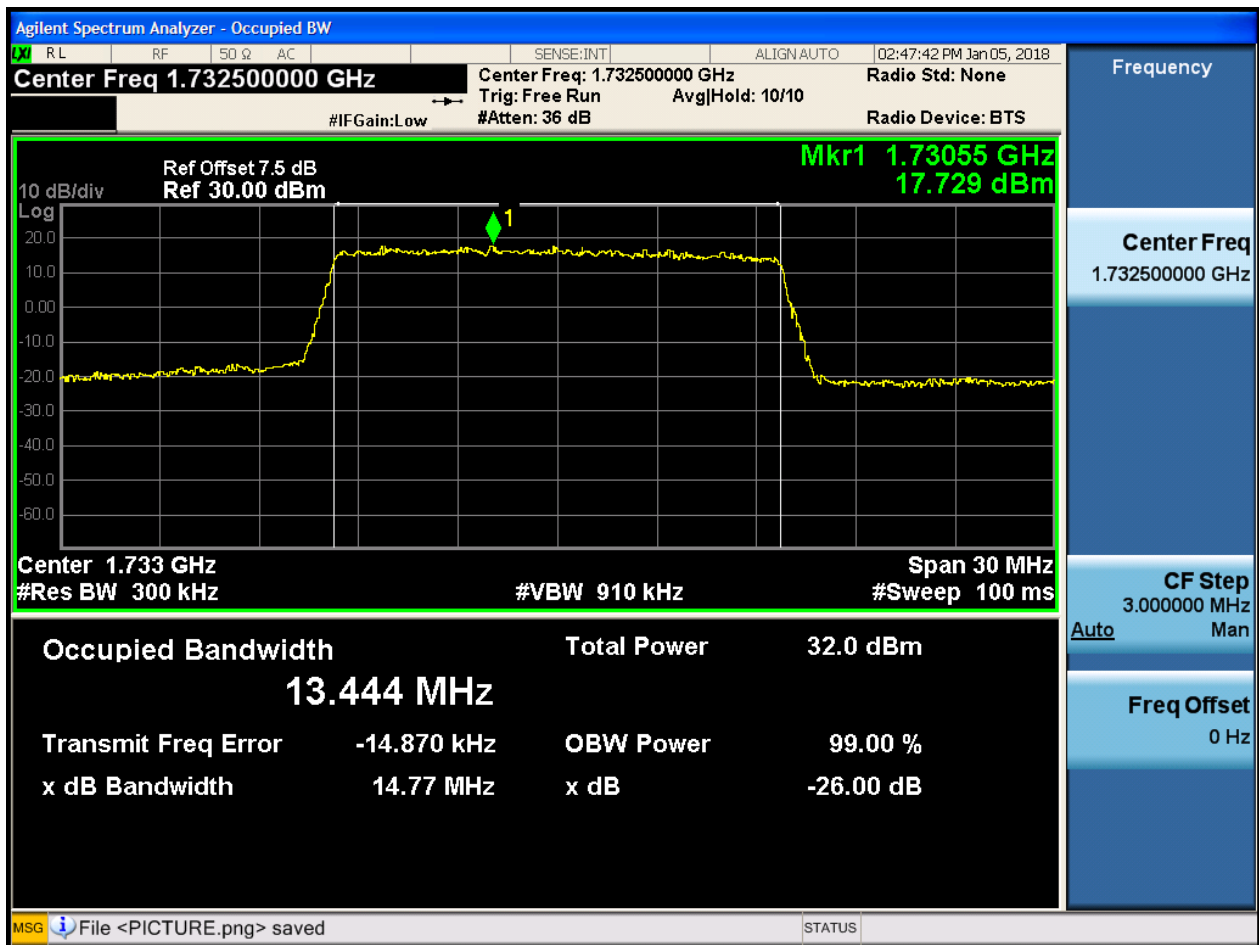
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

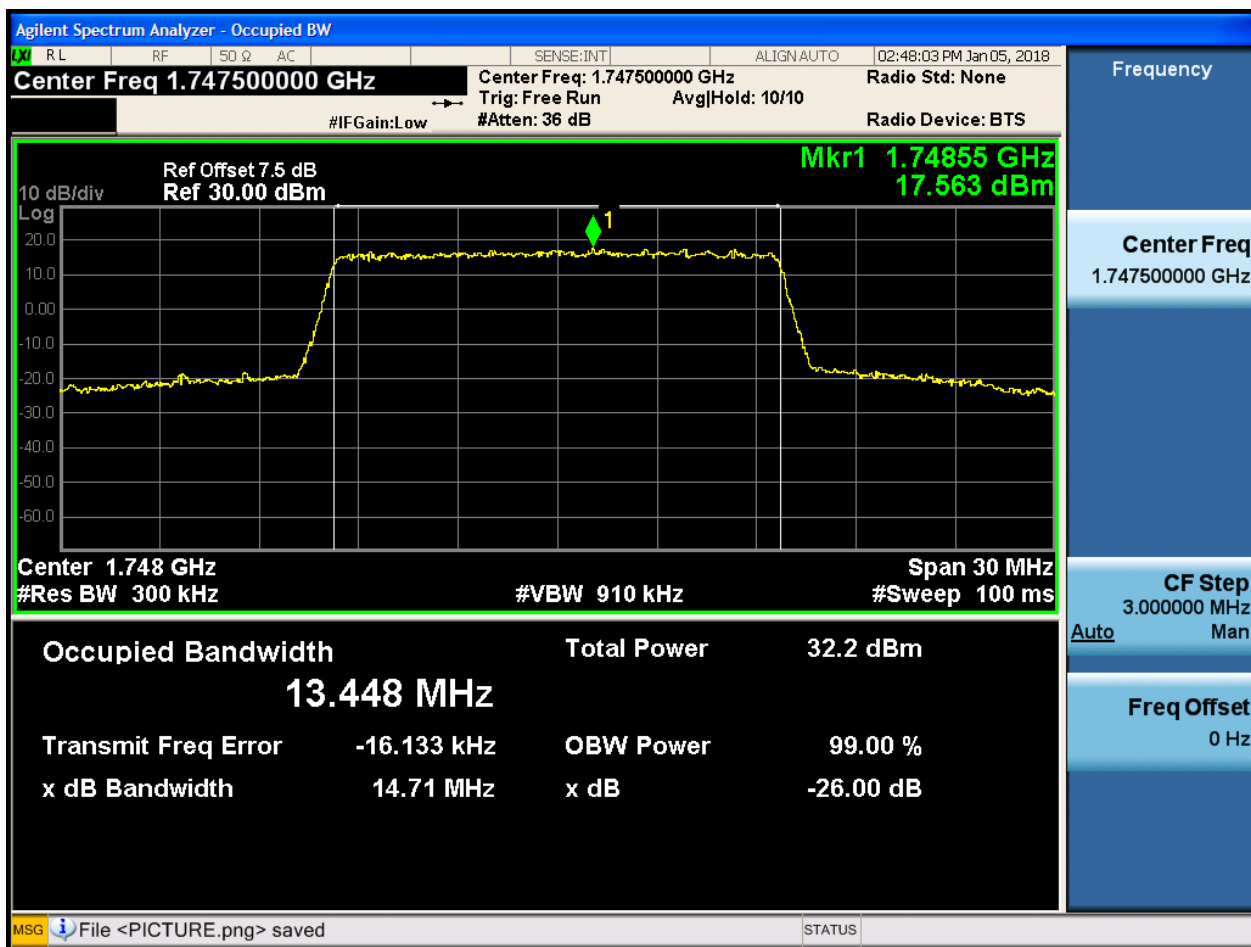
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

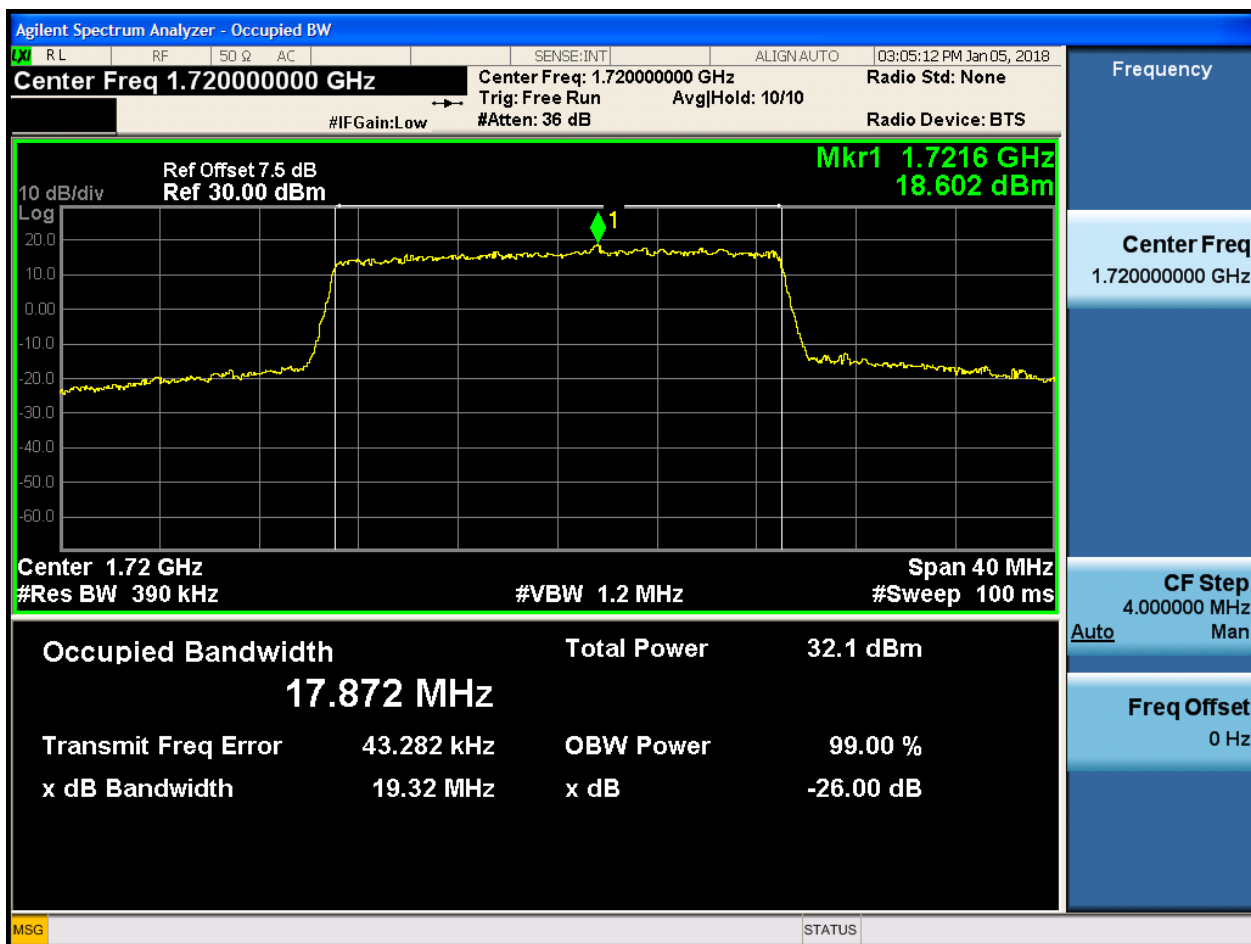




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

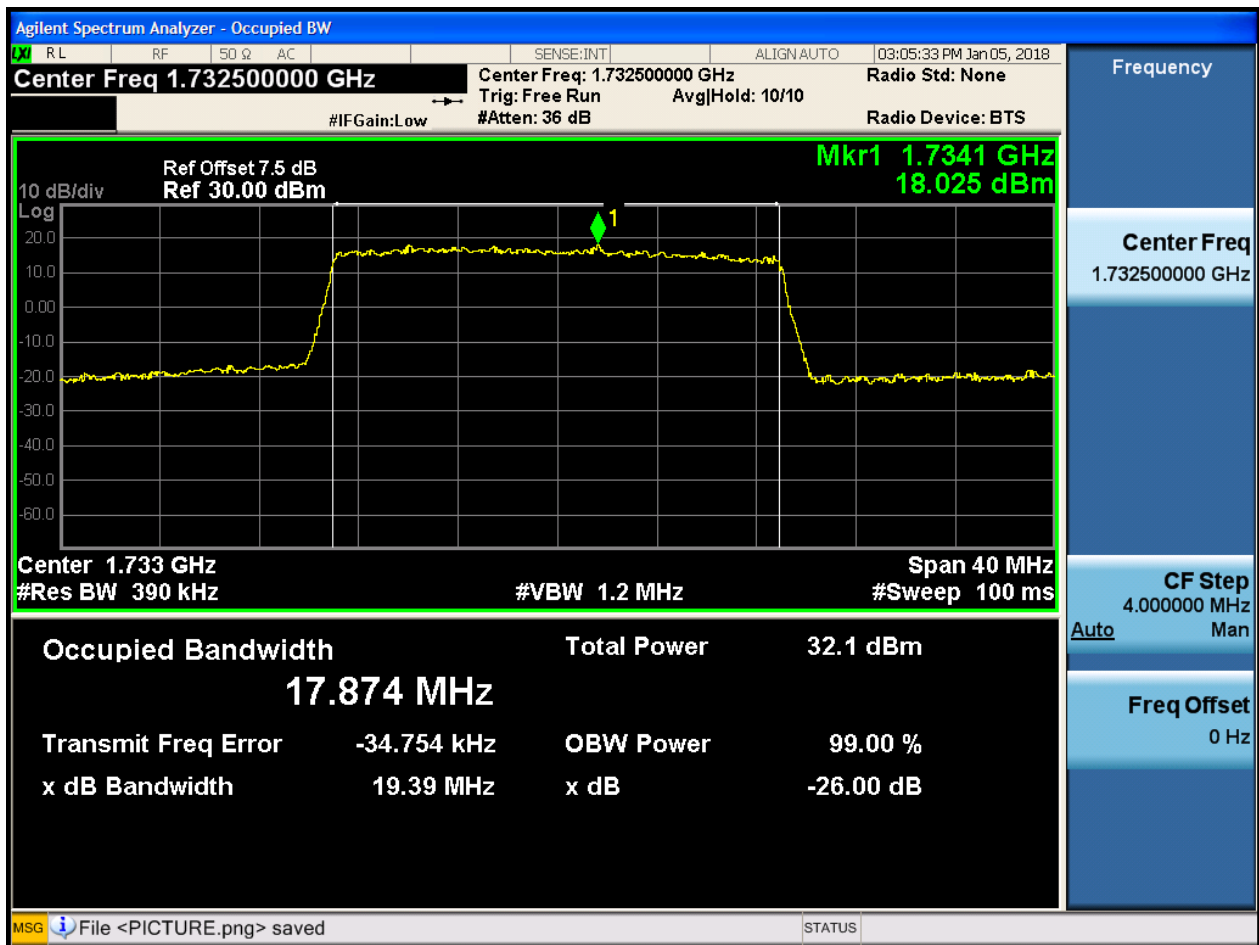
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

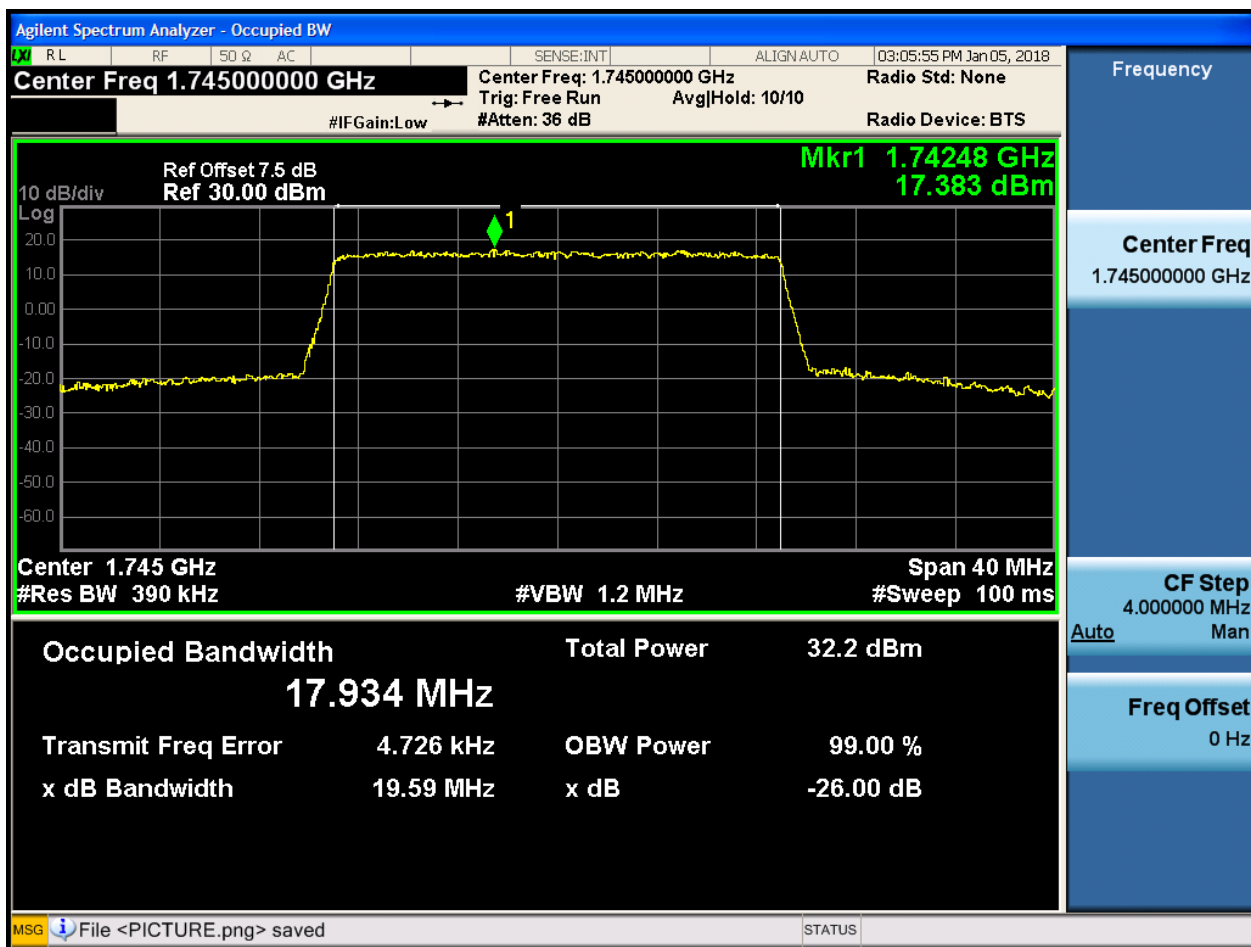
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



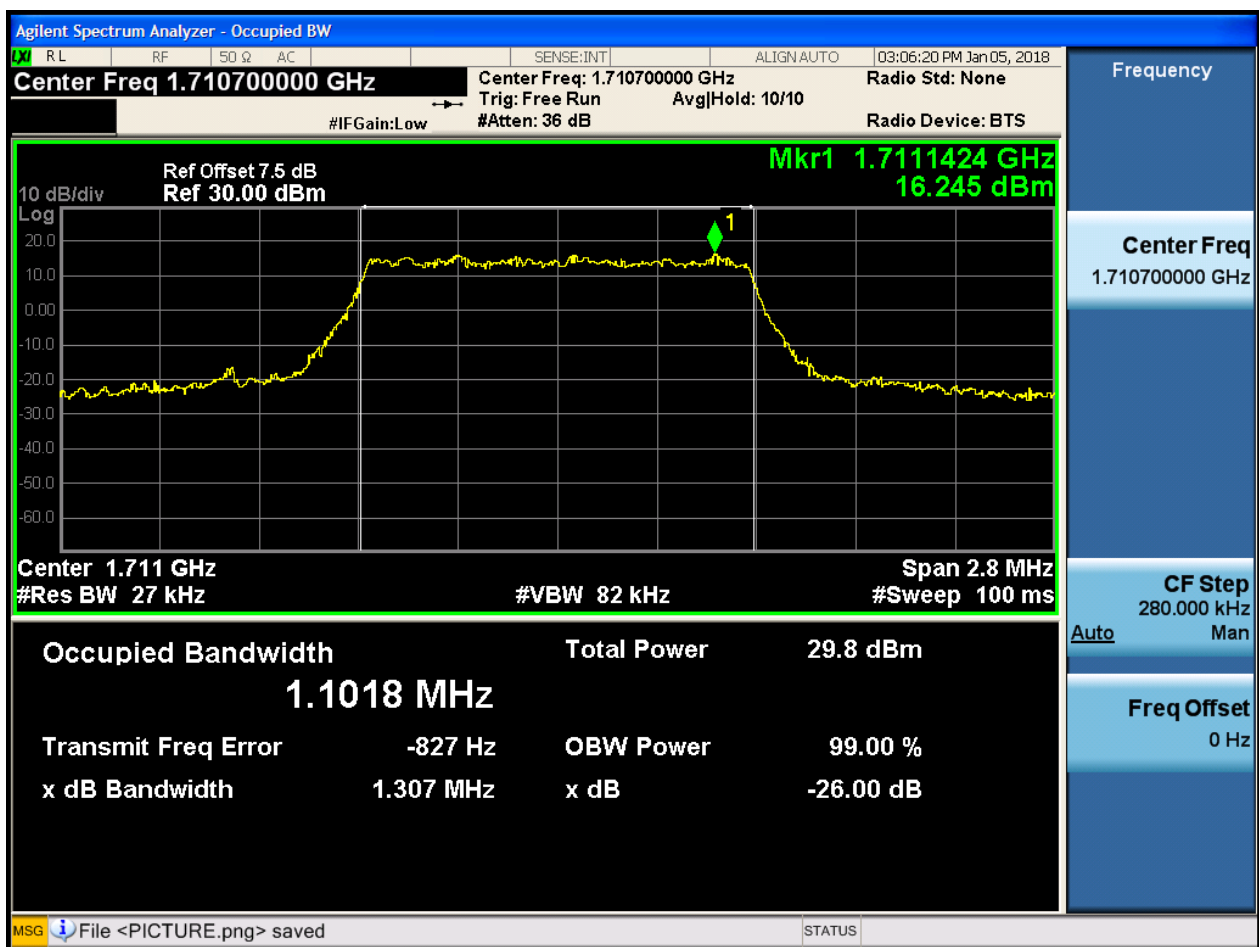


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

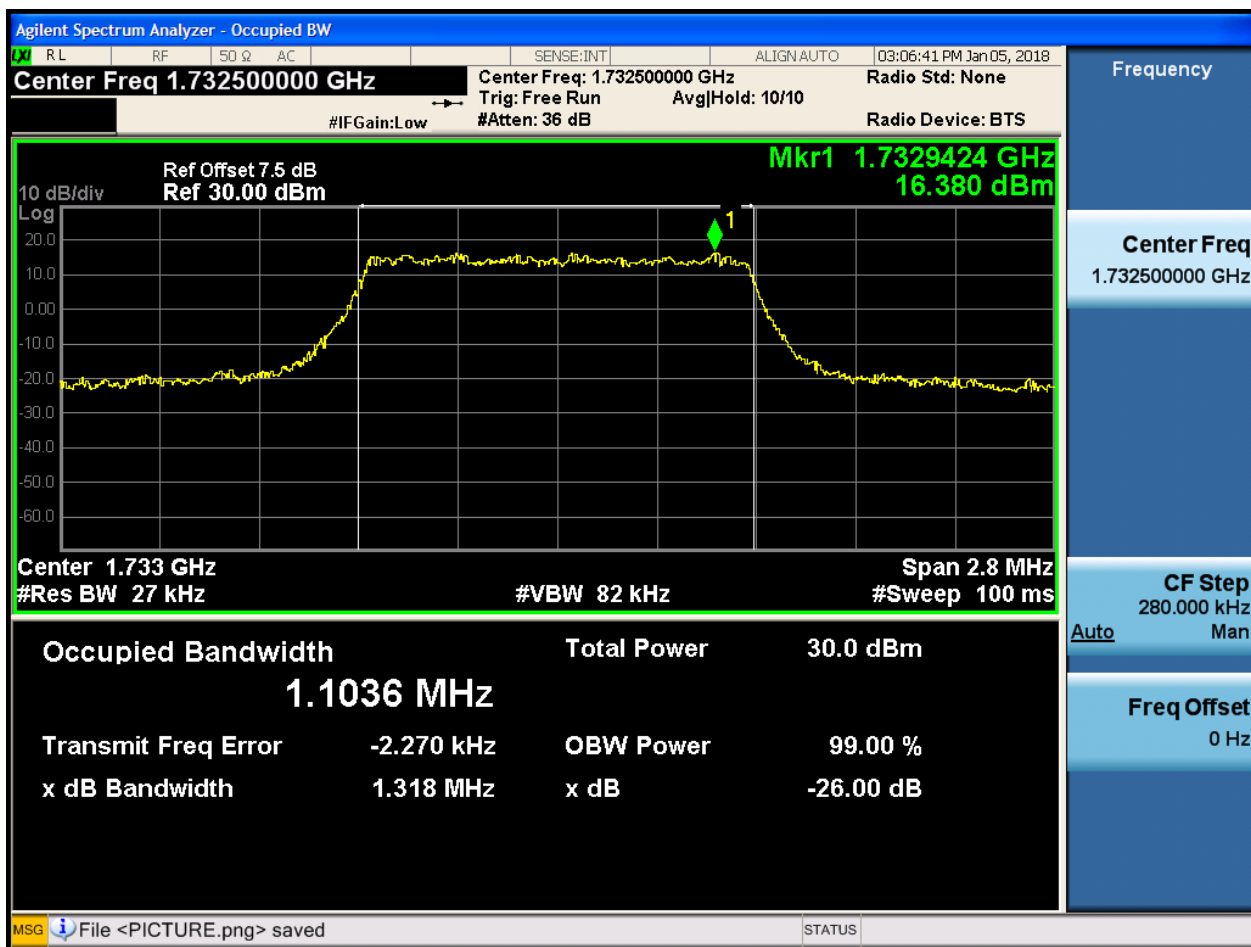
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

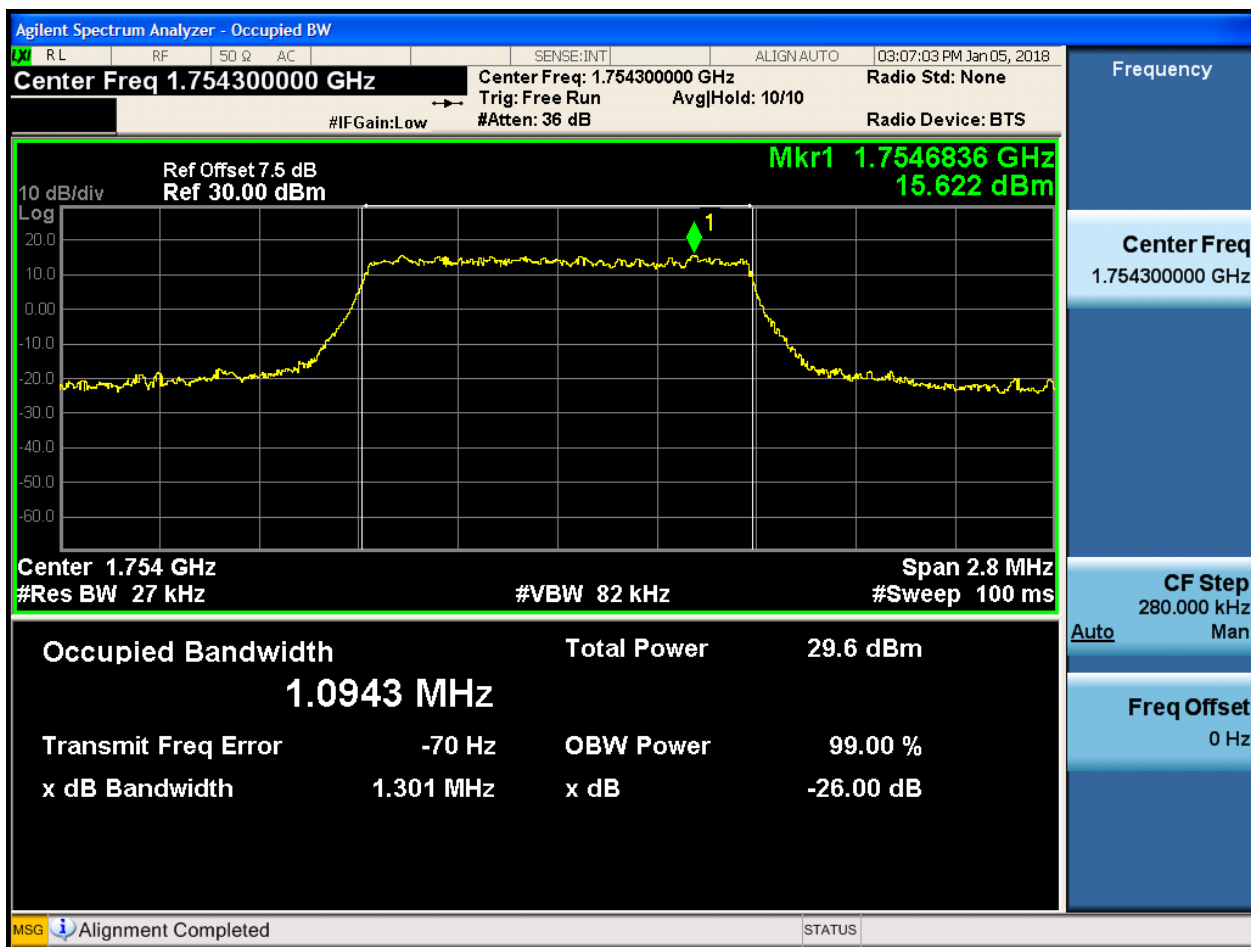
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

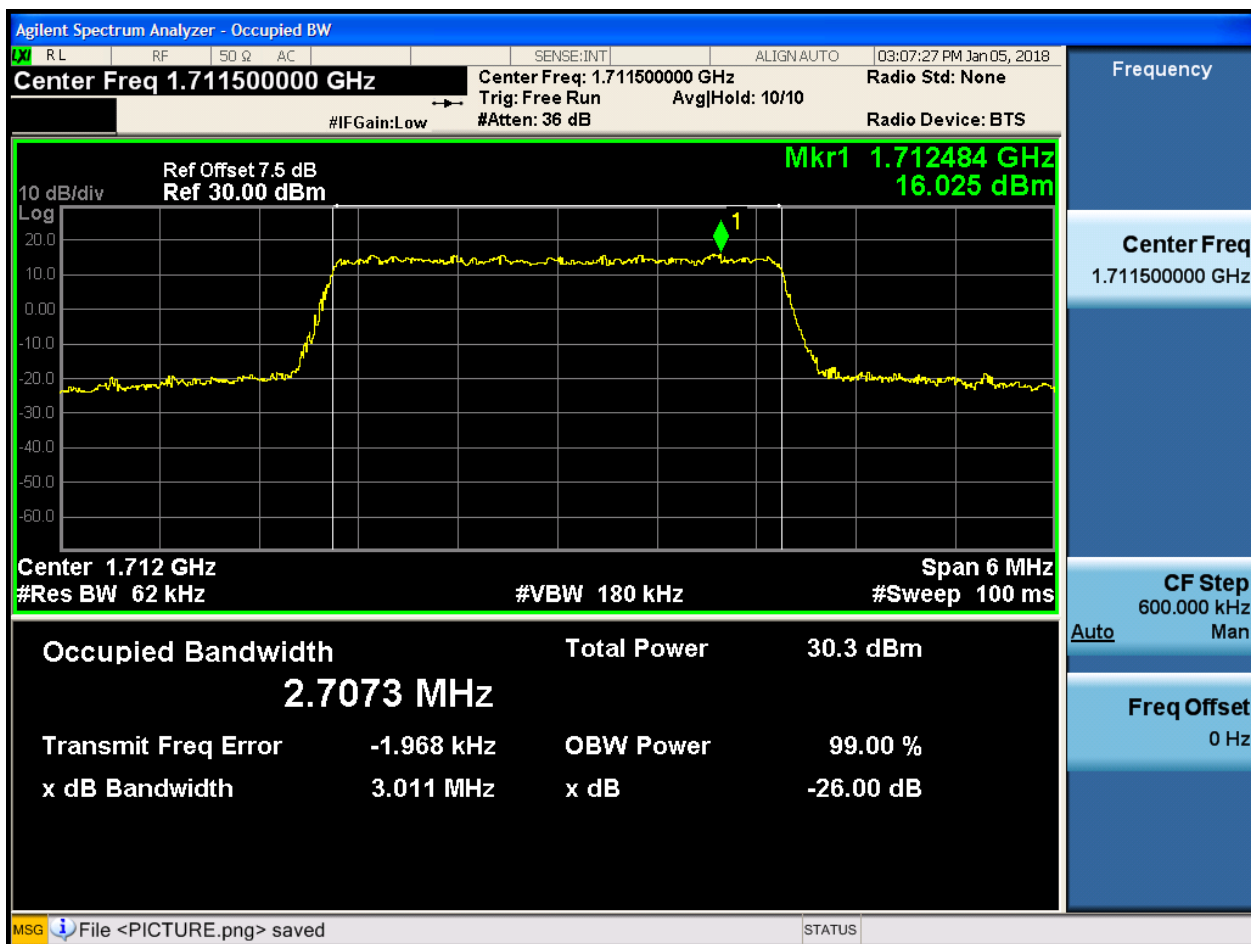




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

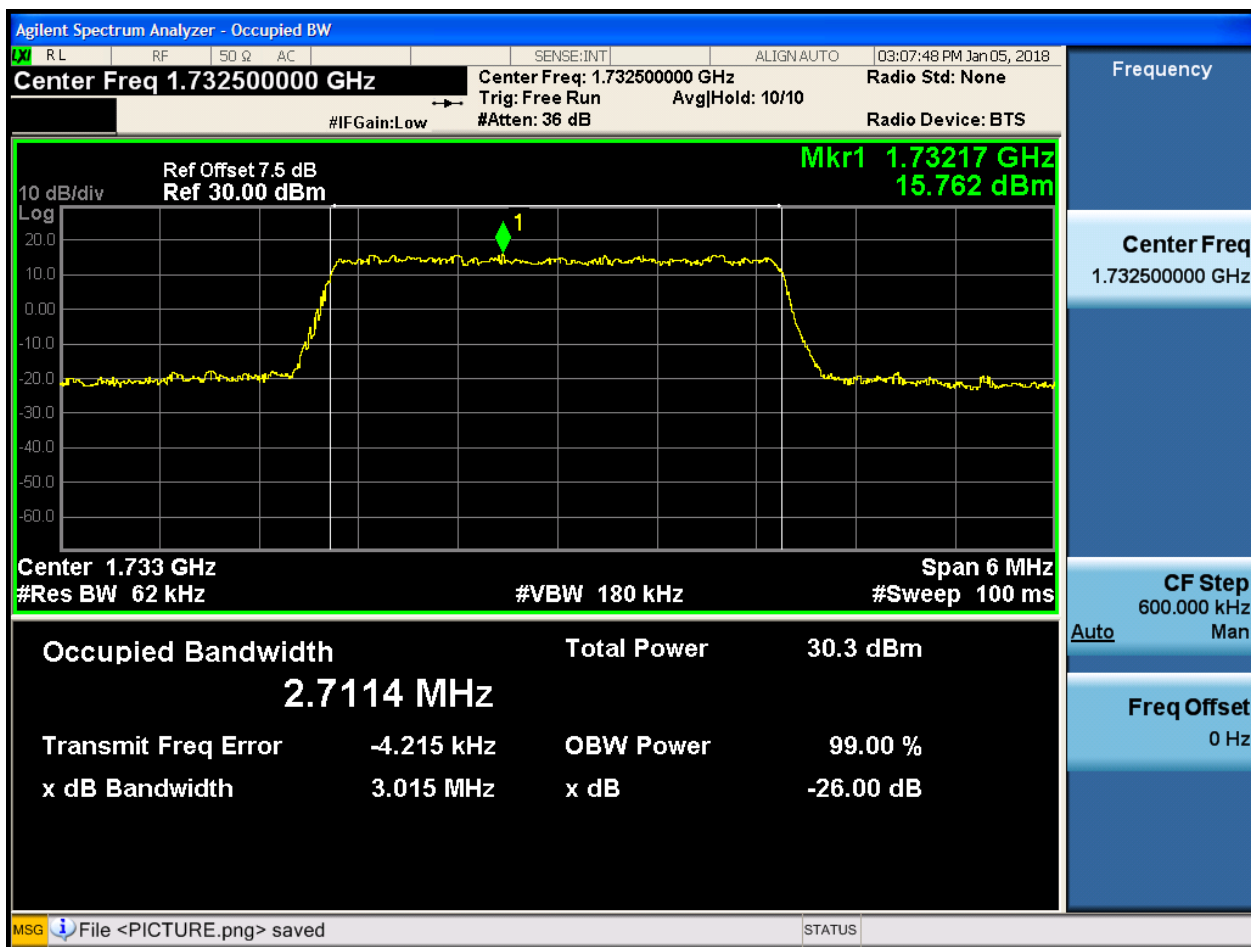
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

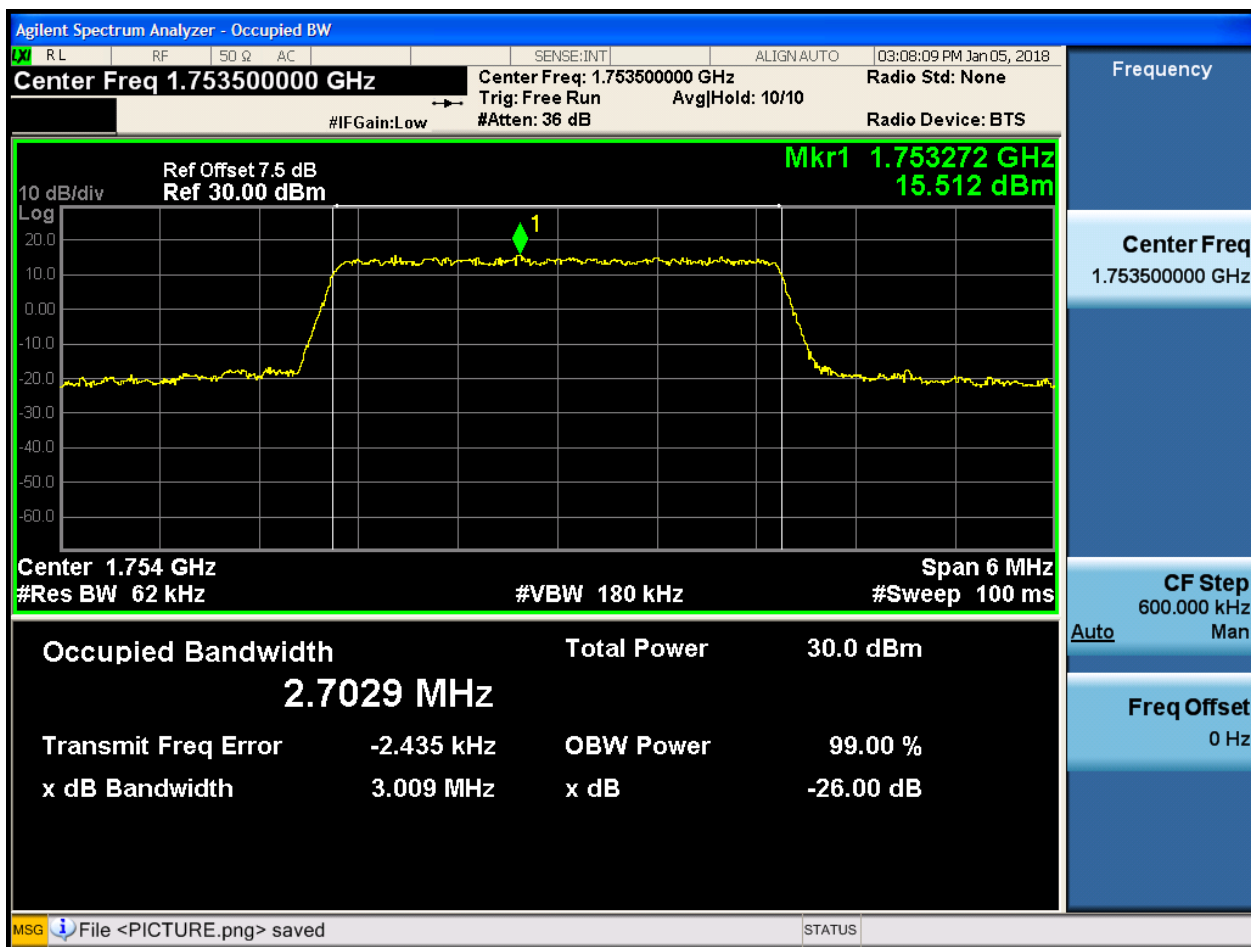
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

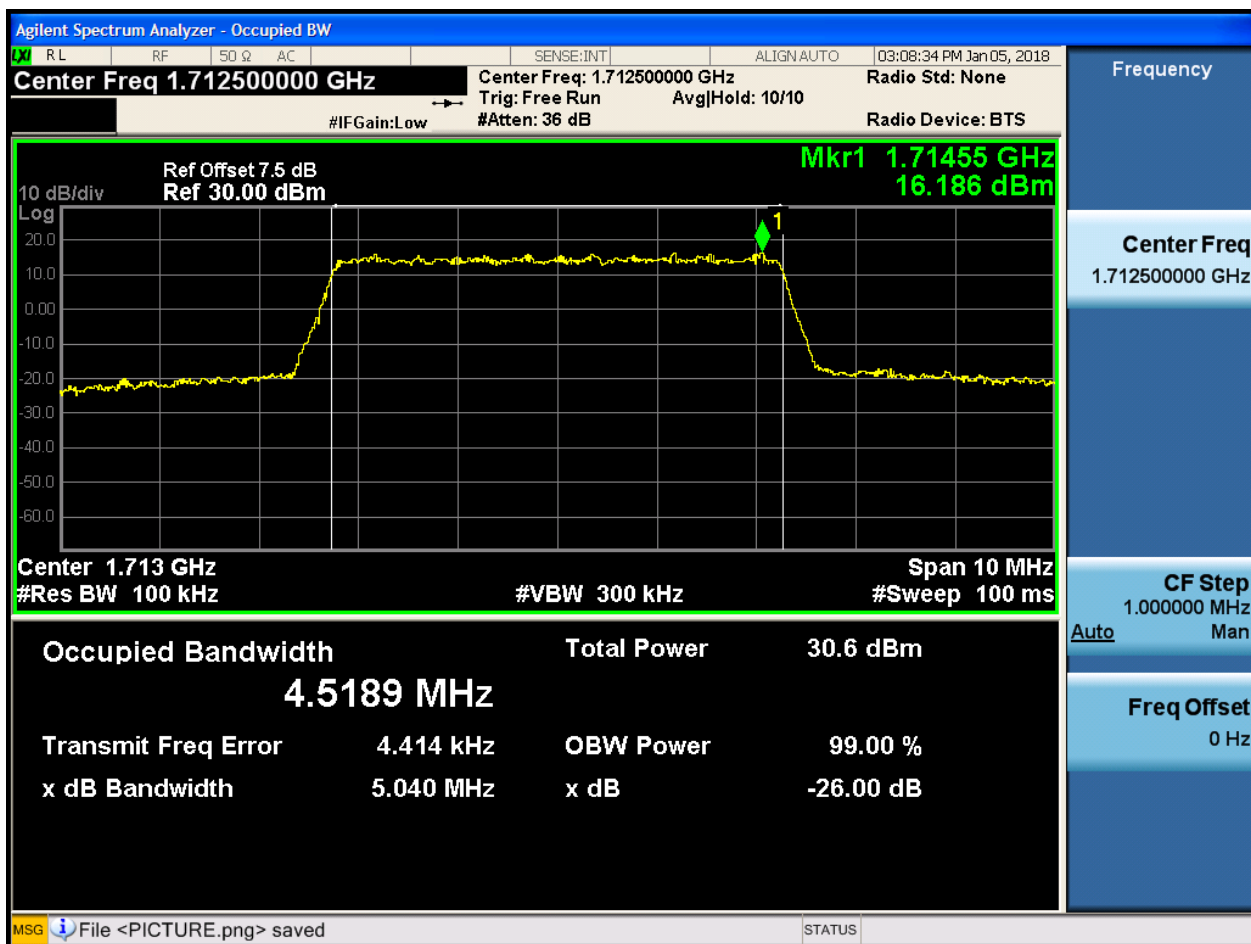




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

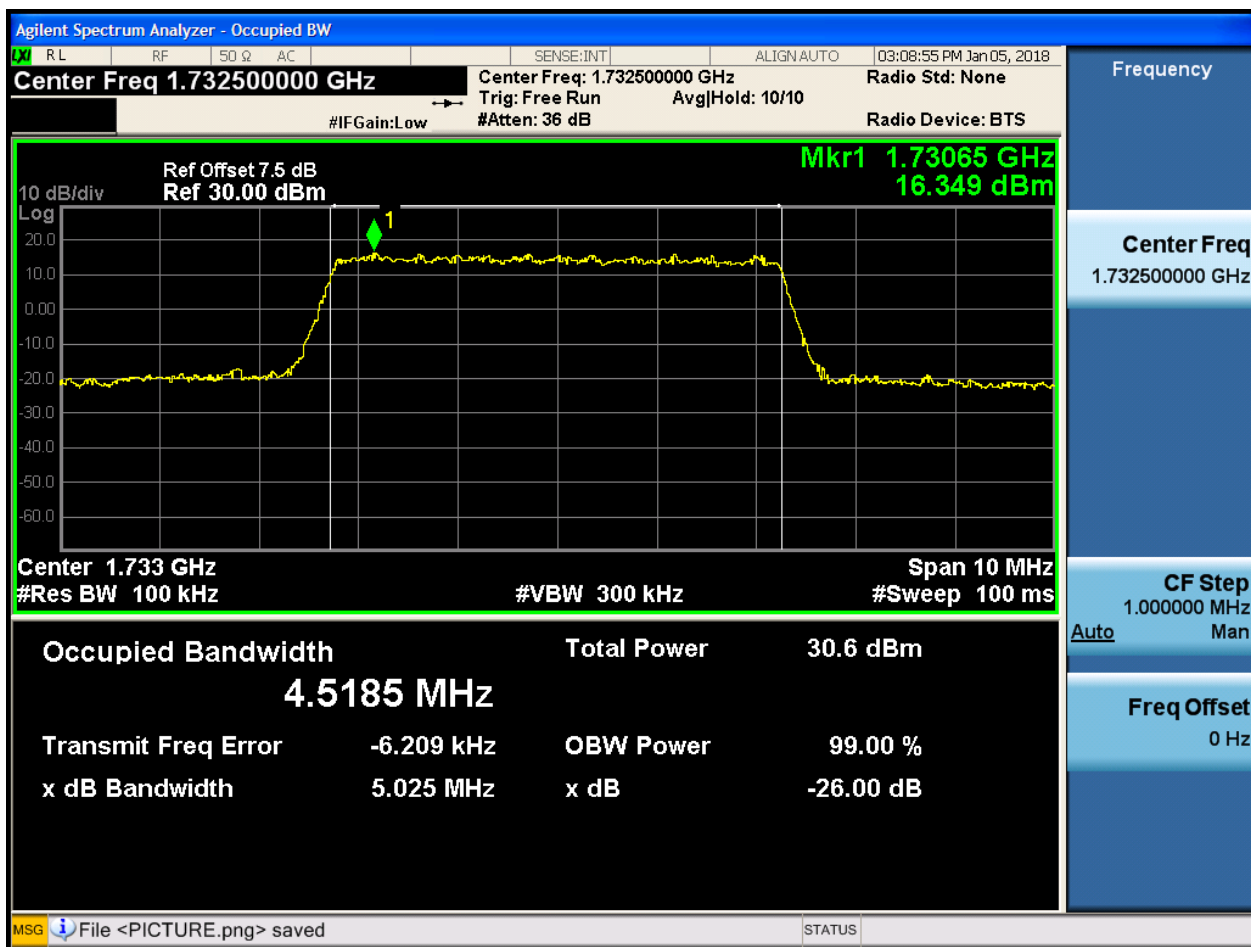
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

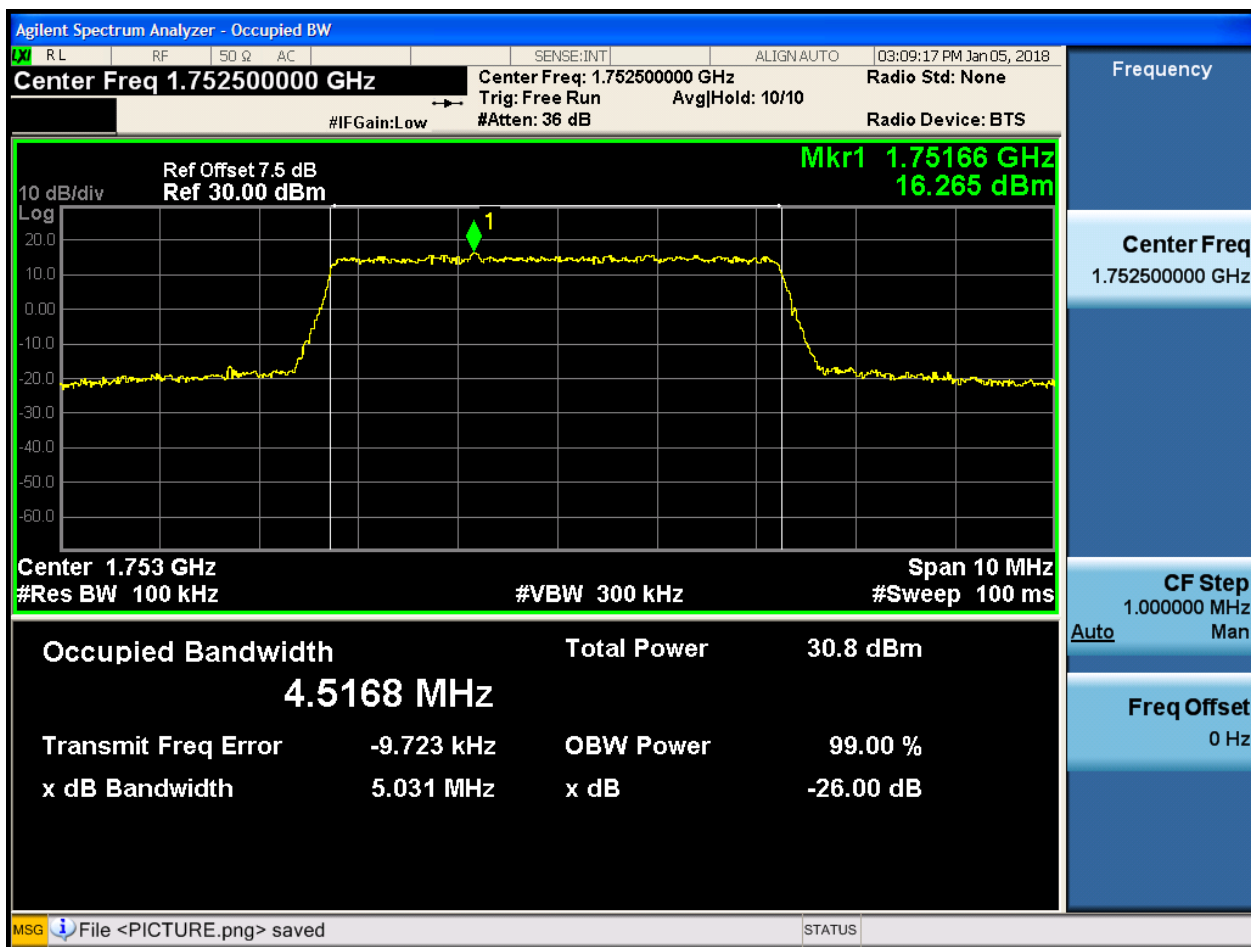
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

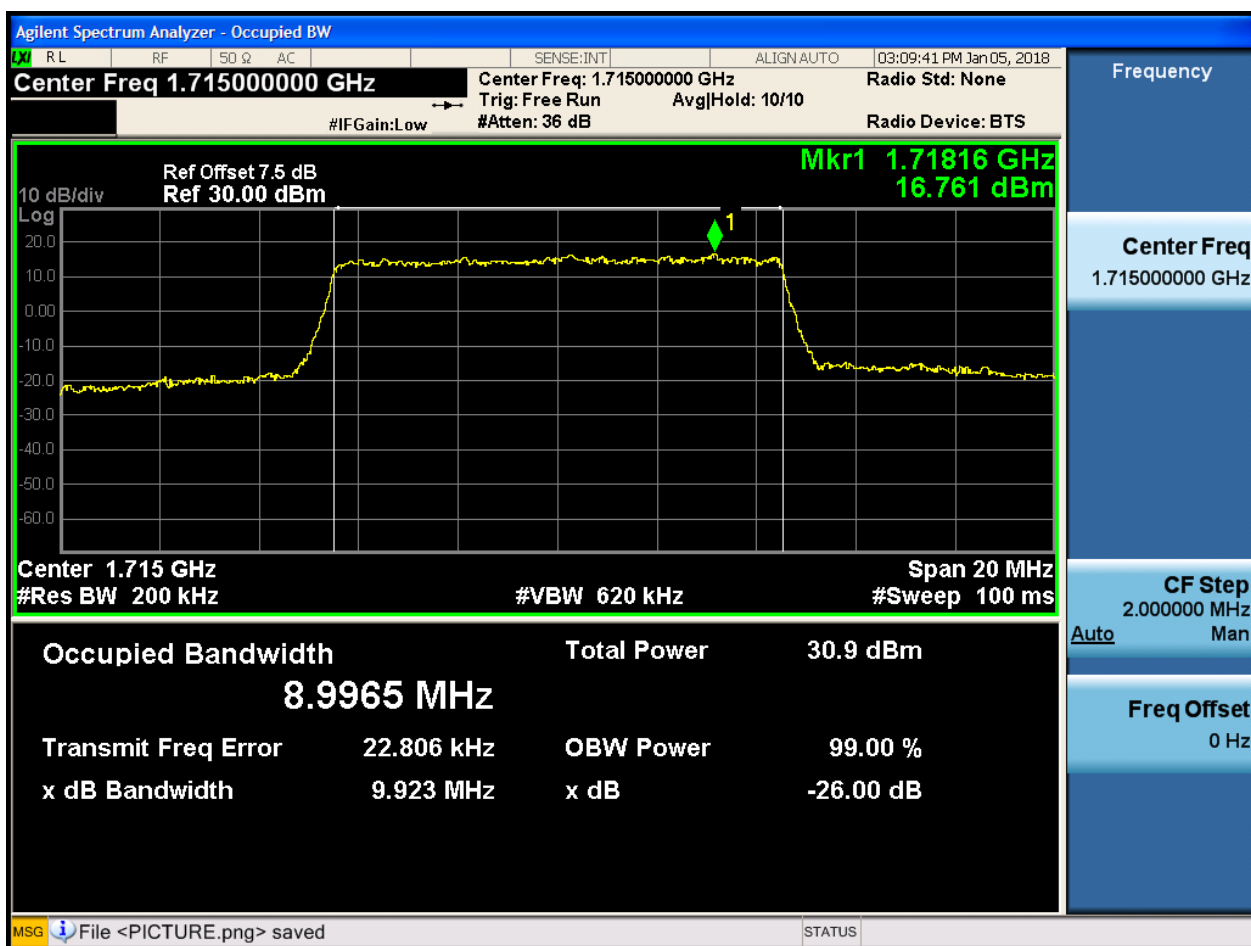




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

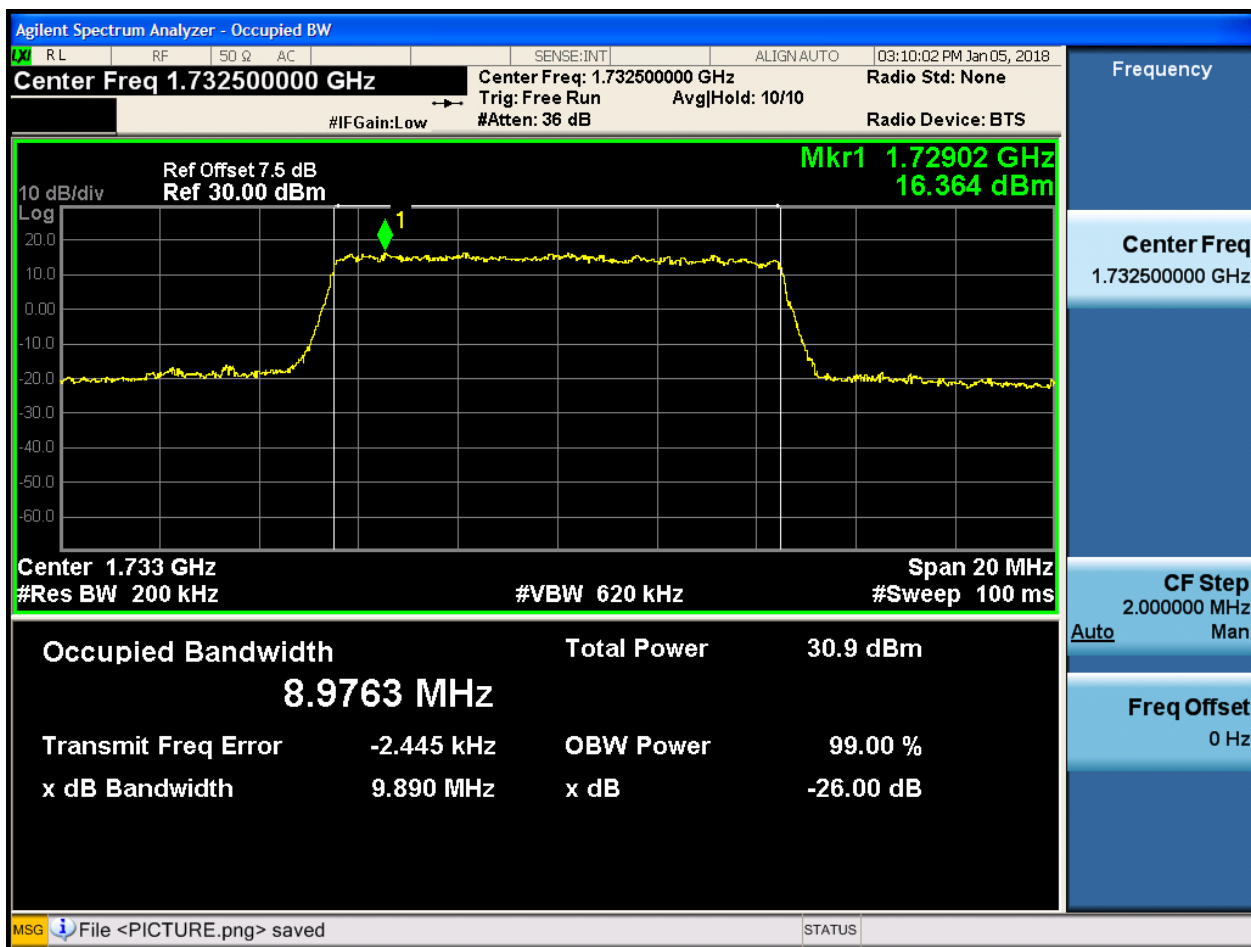
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

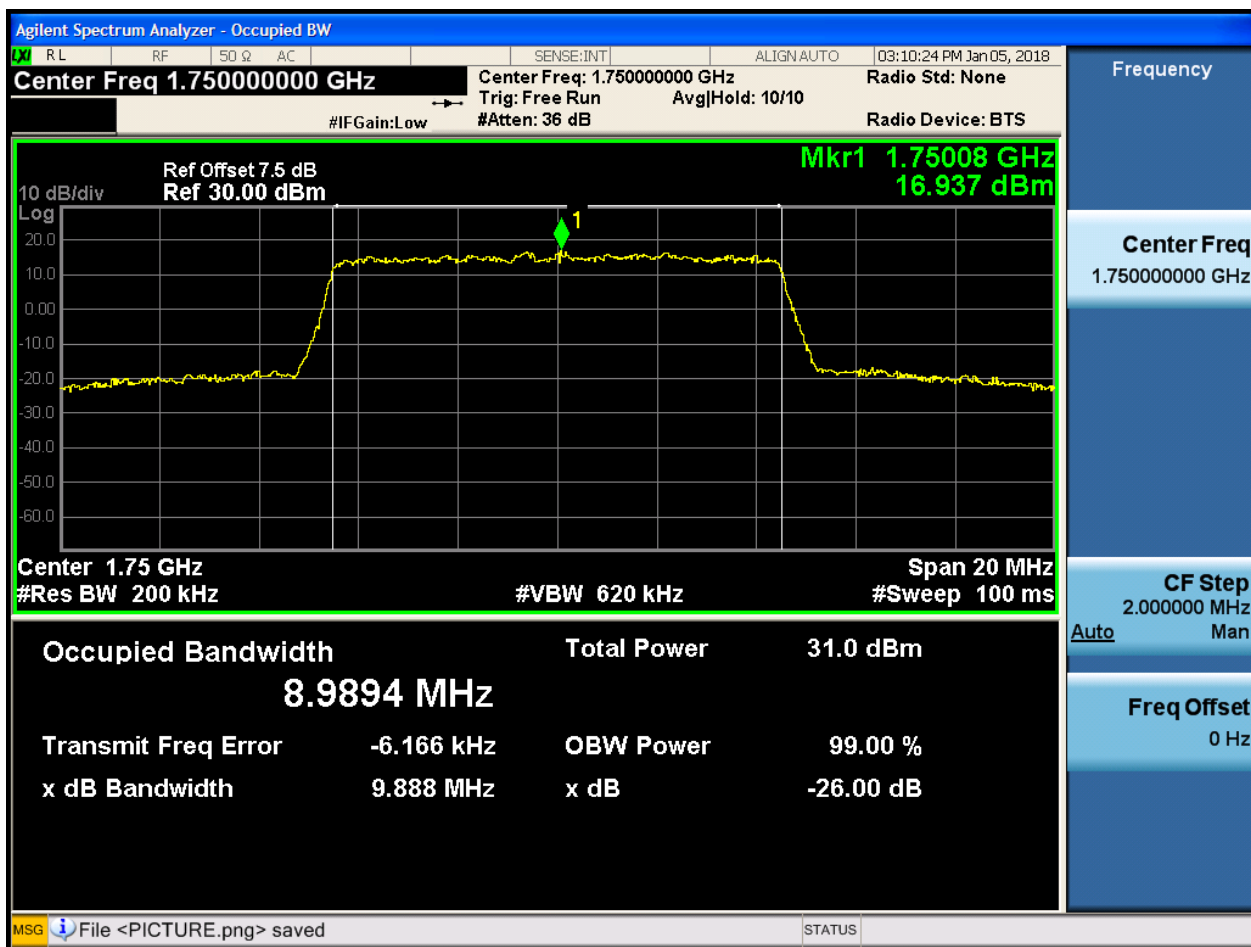
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

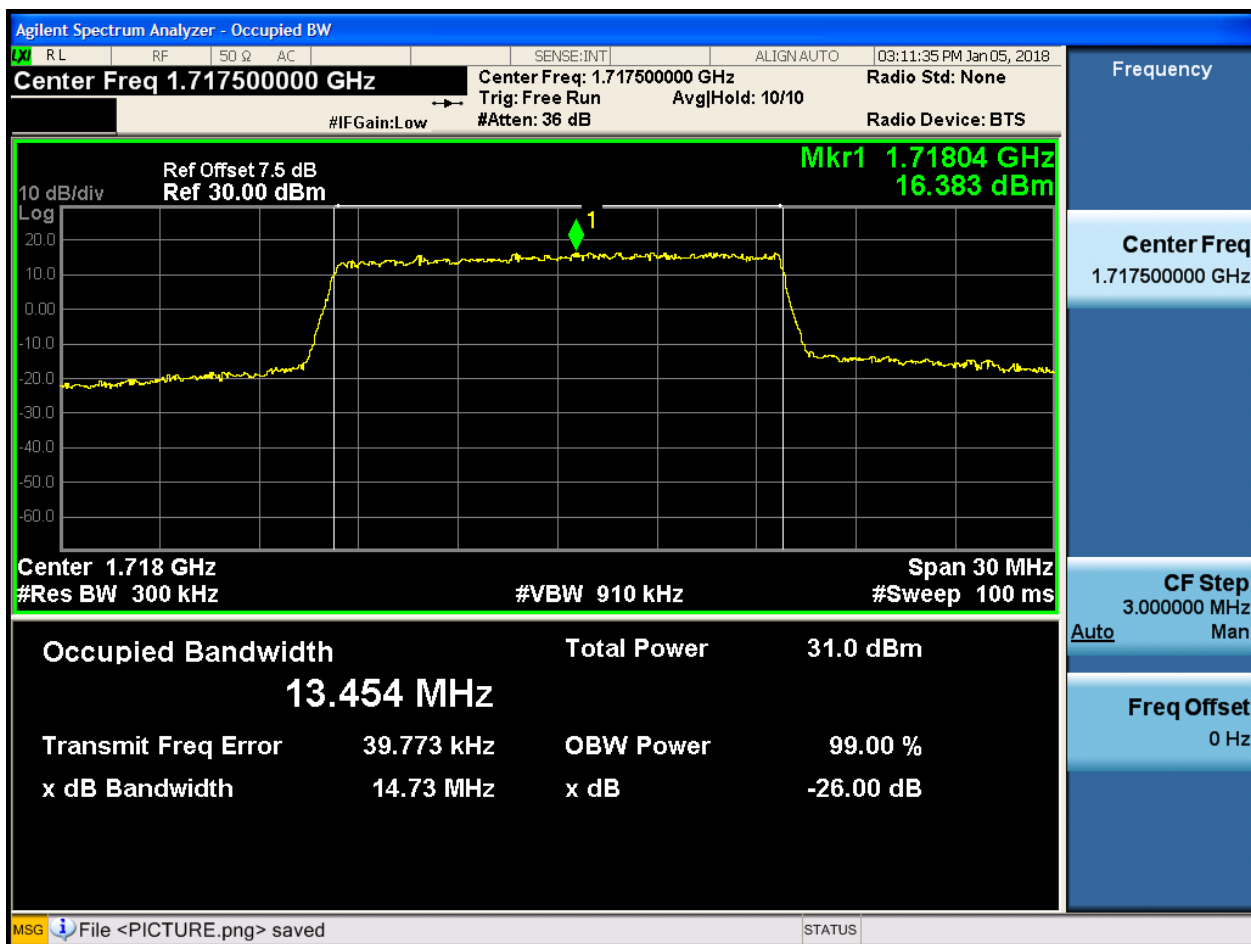




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

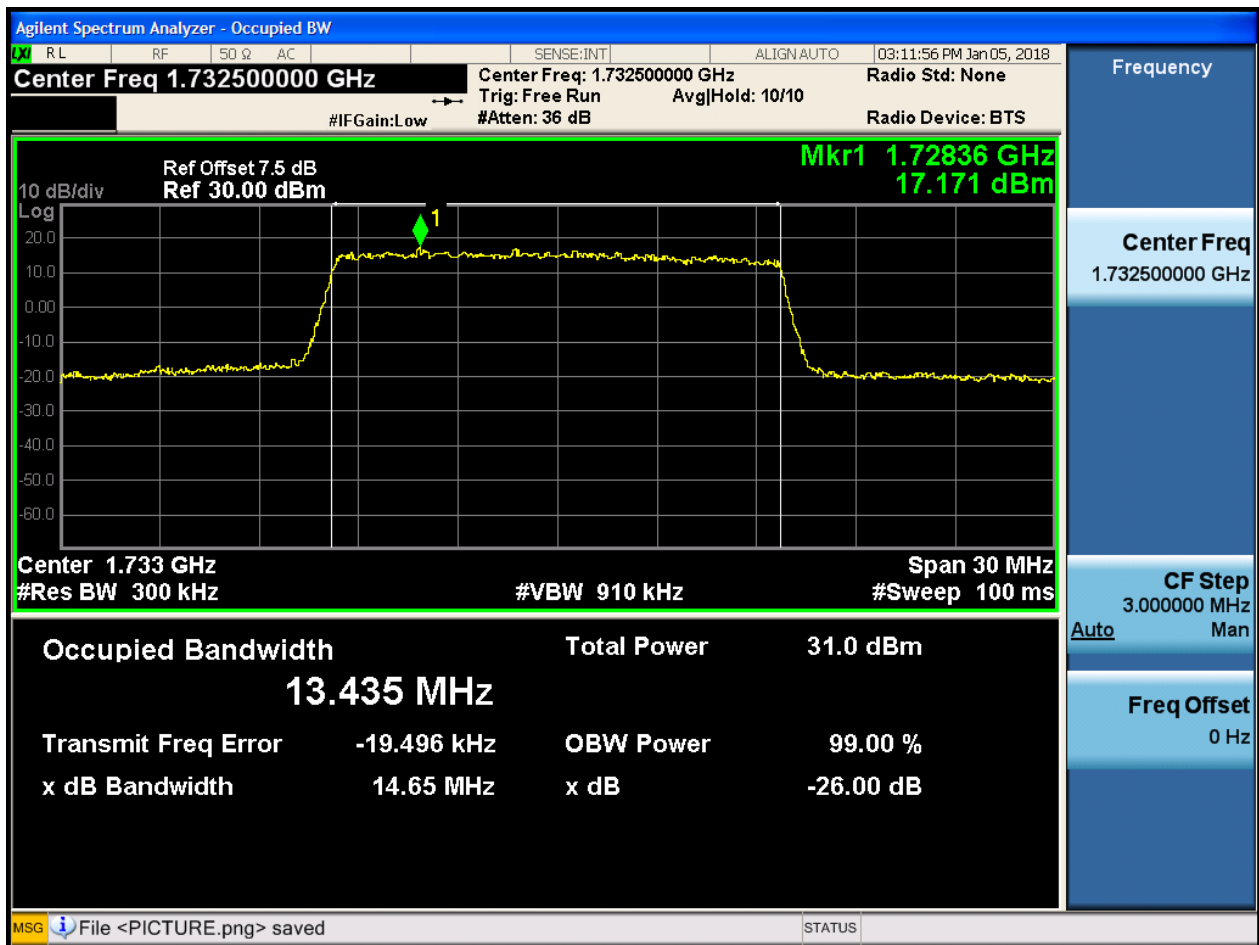
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

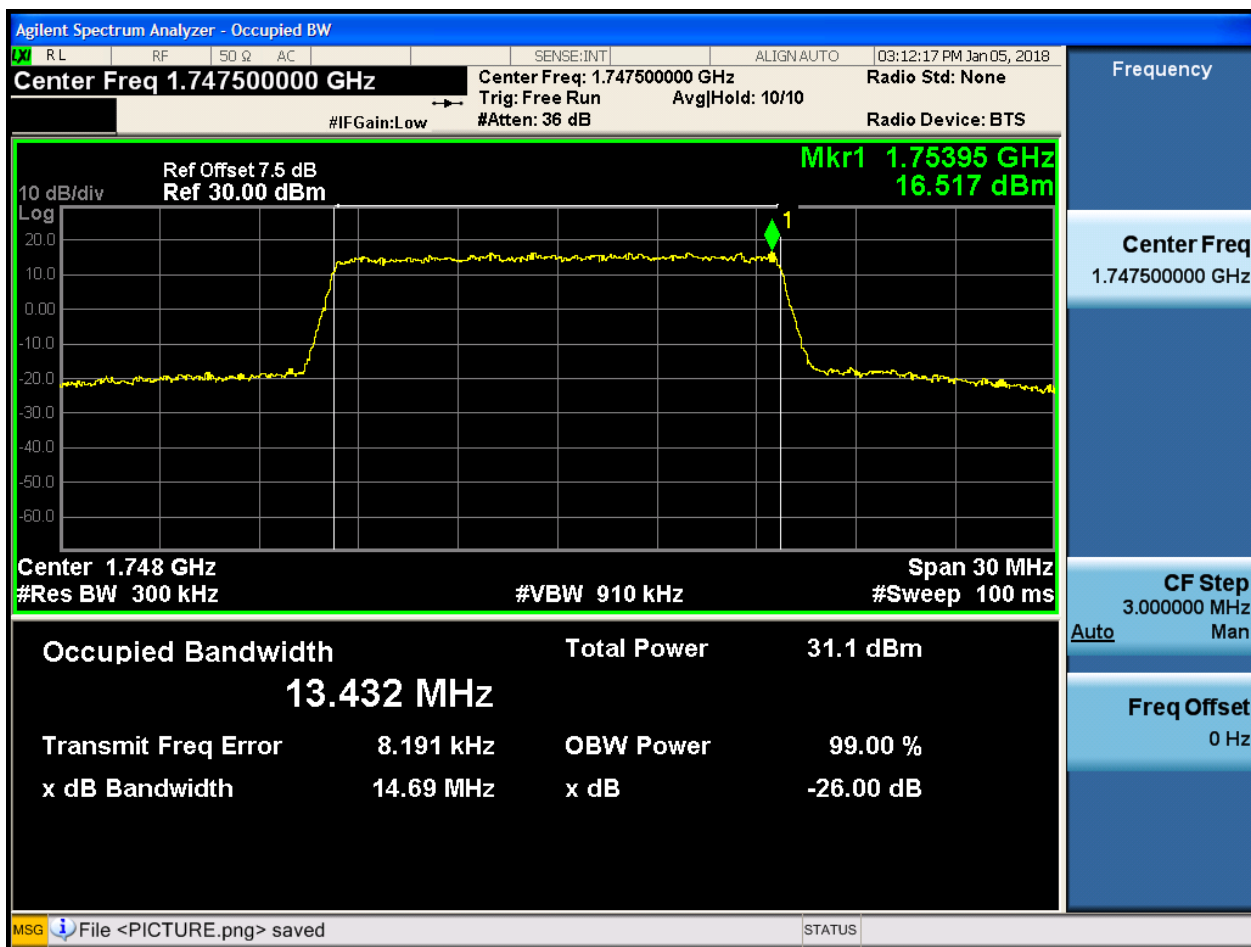
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

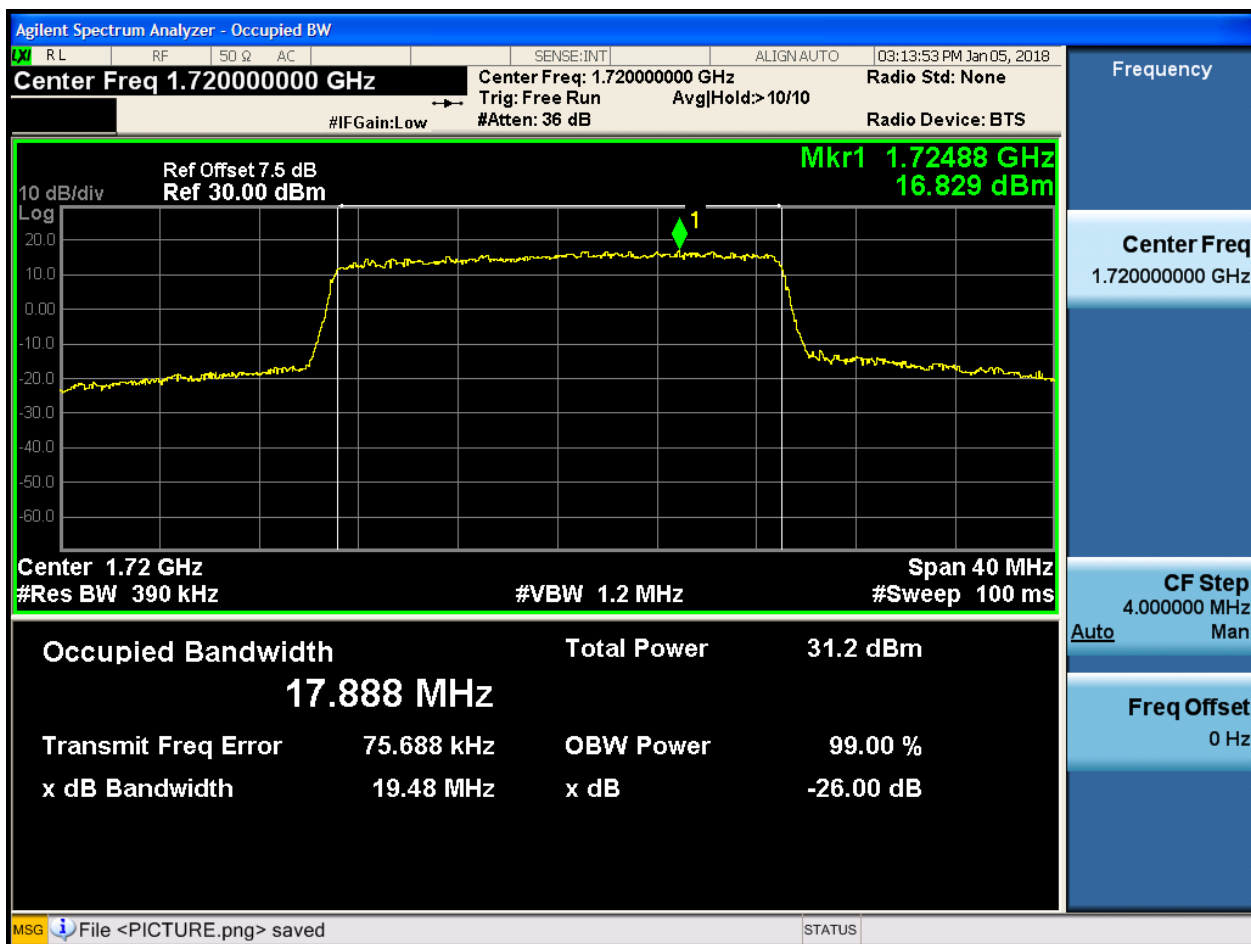




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

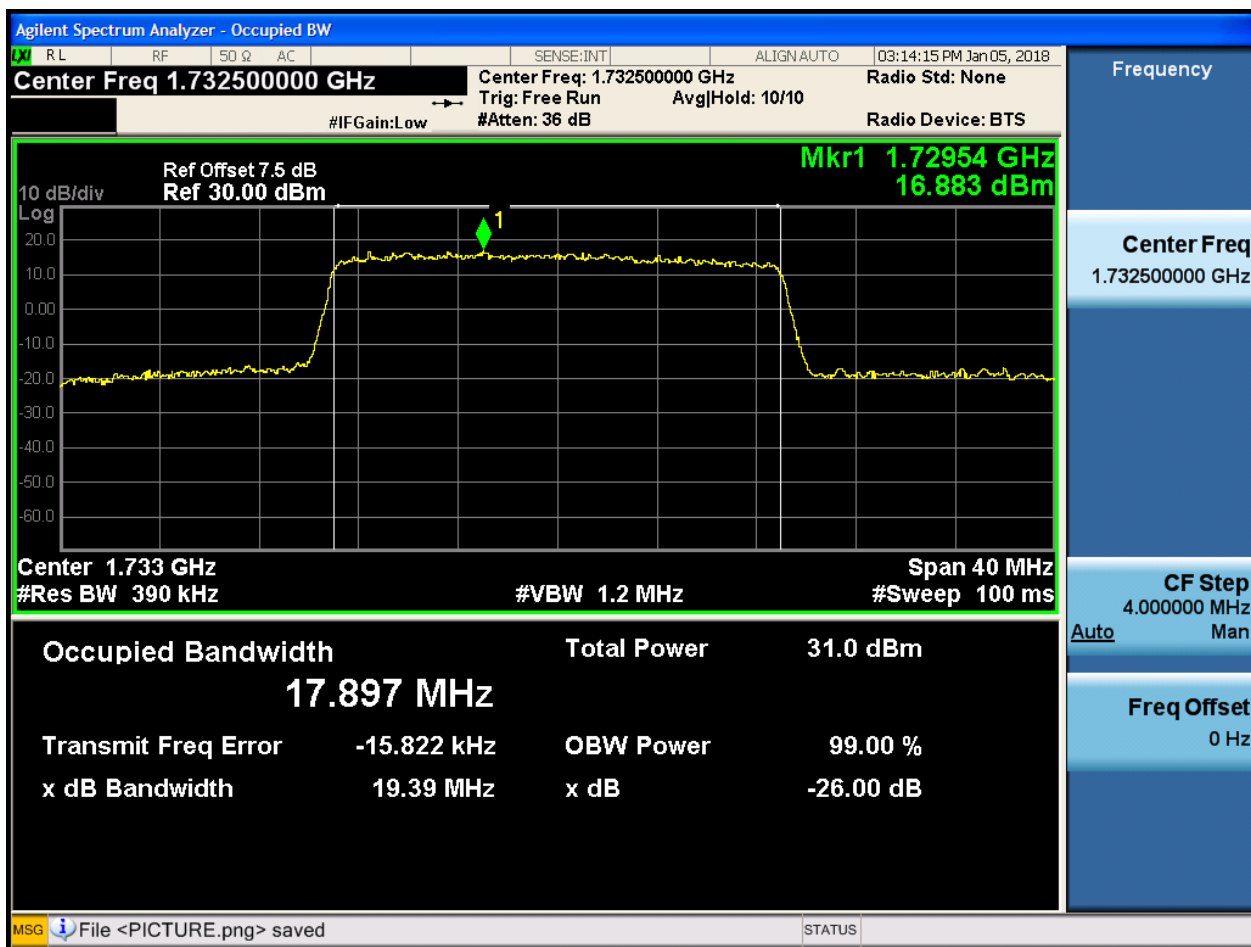
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

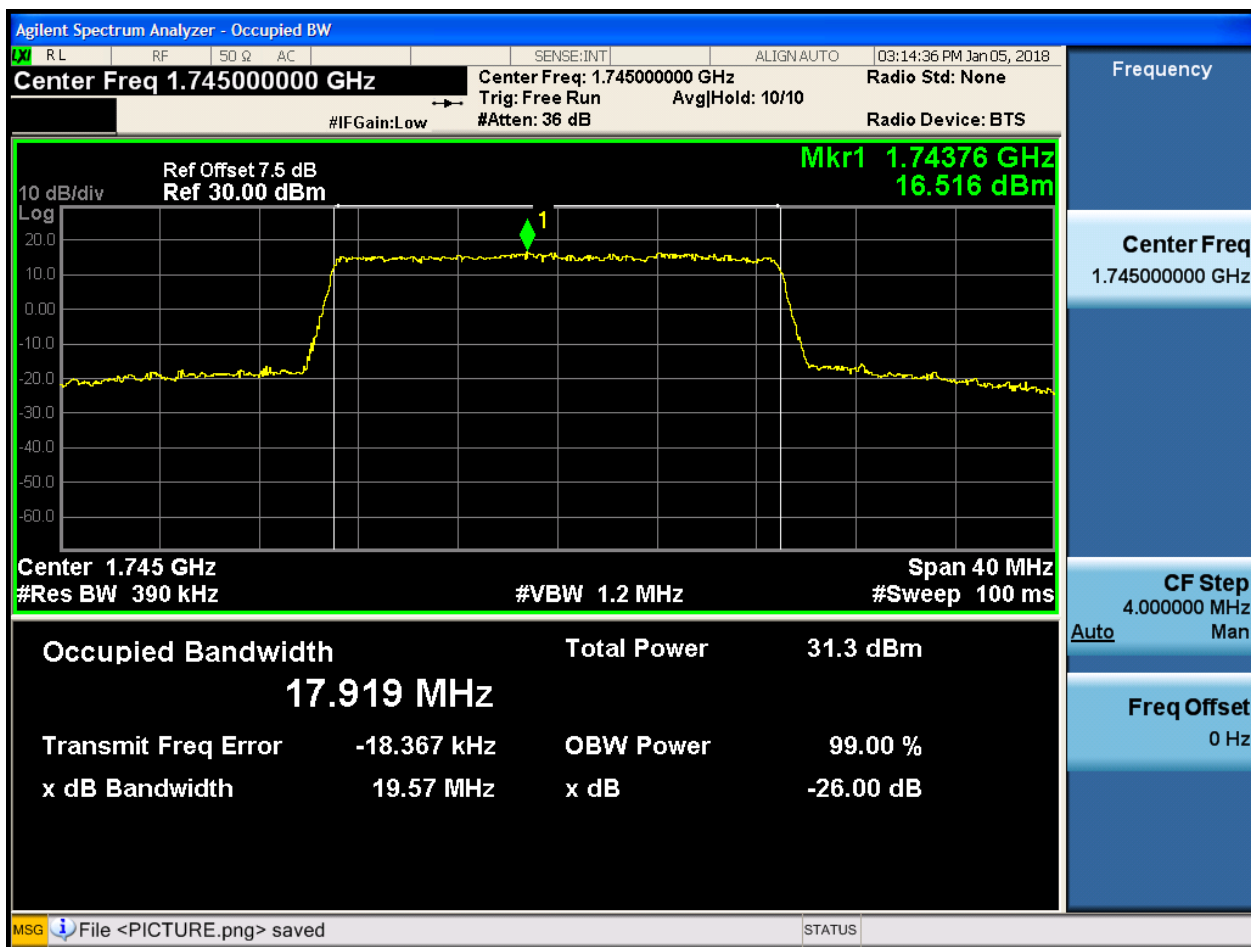
4.1.1.2.6.2.1 Test RB = RB100#0





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

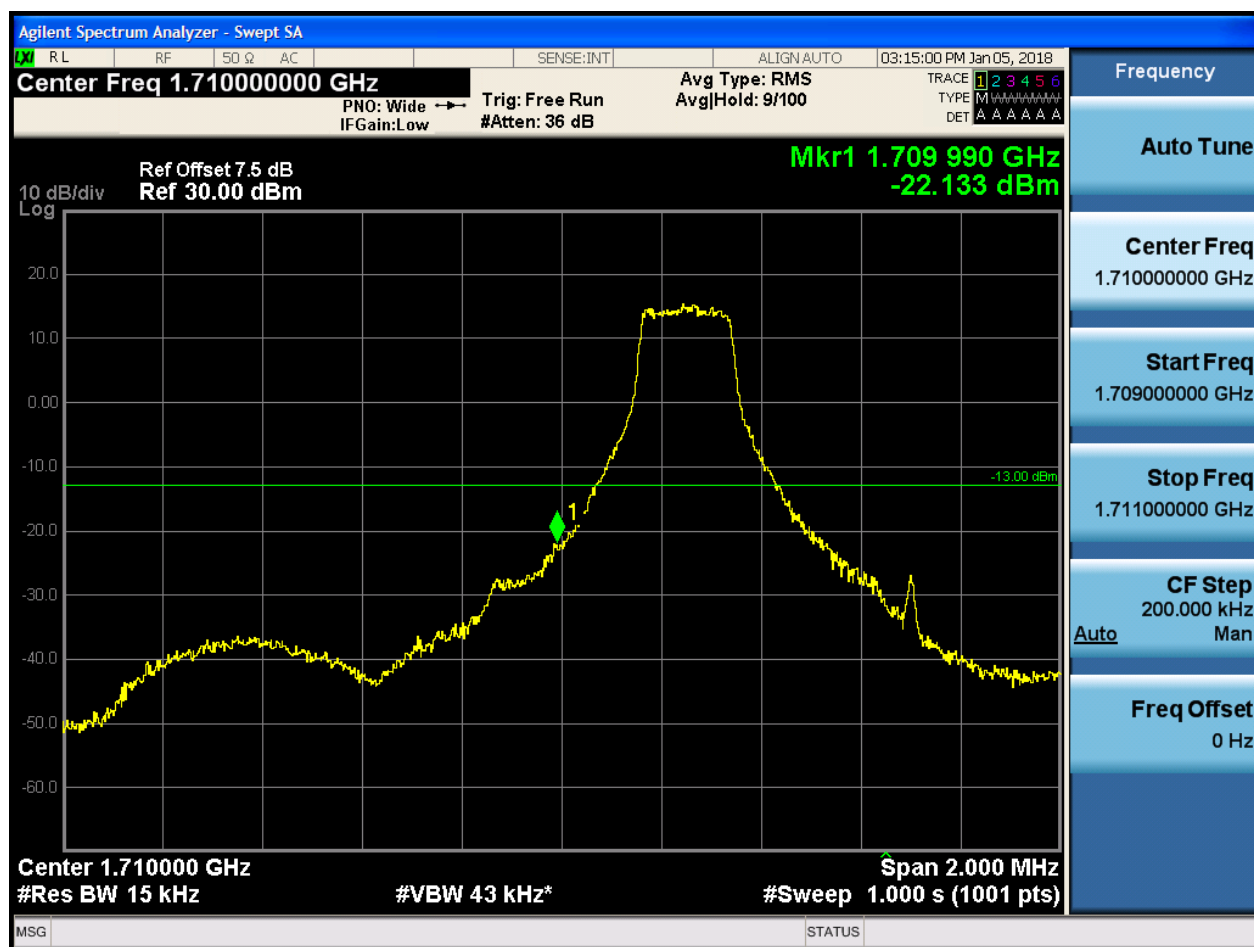
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

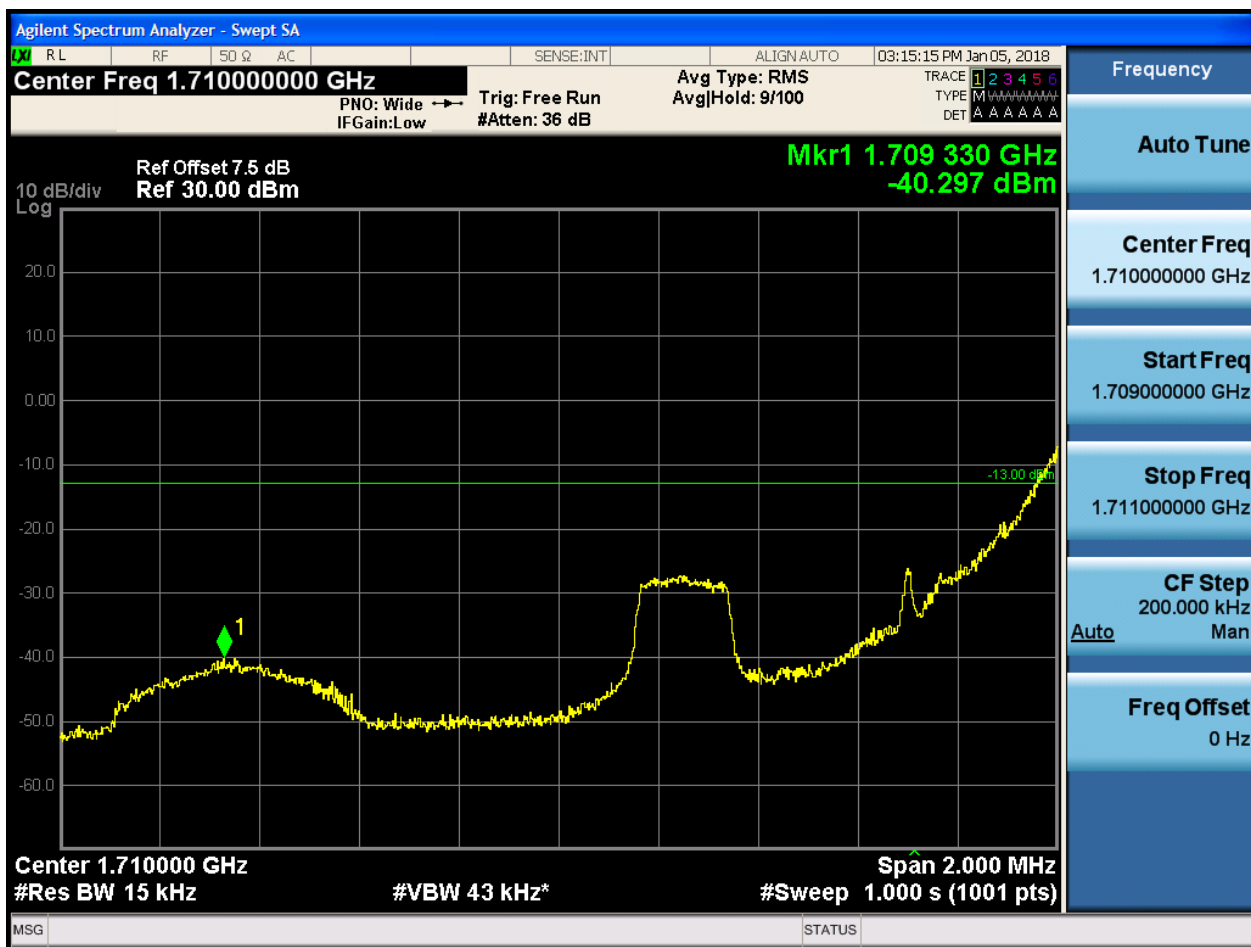
5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



5.1.1.1.1.1.2 Test RB = RB1#5



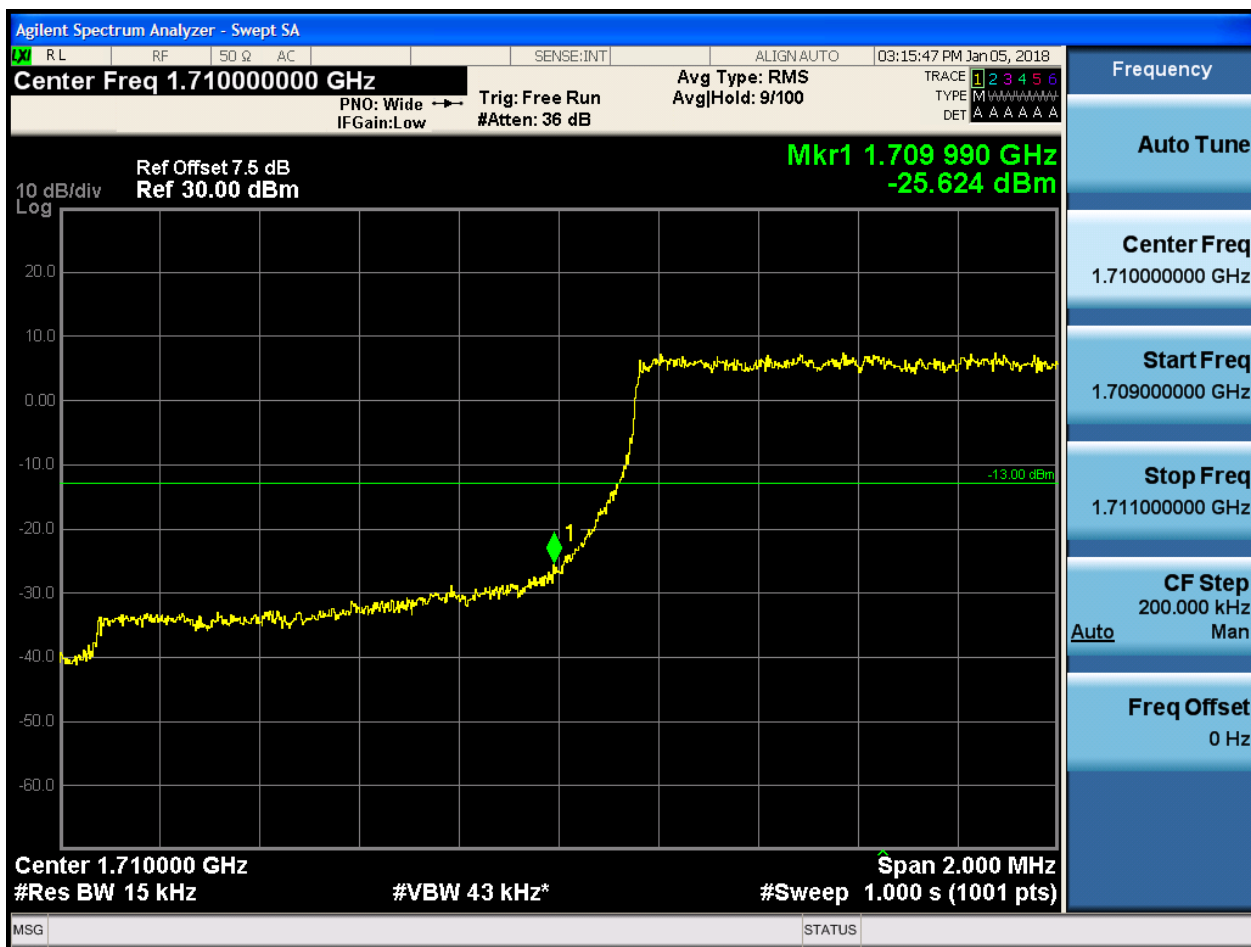


5.1.1.1.1.3 Test RB = RB3#2



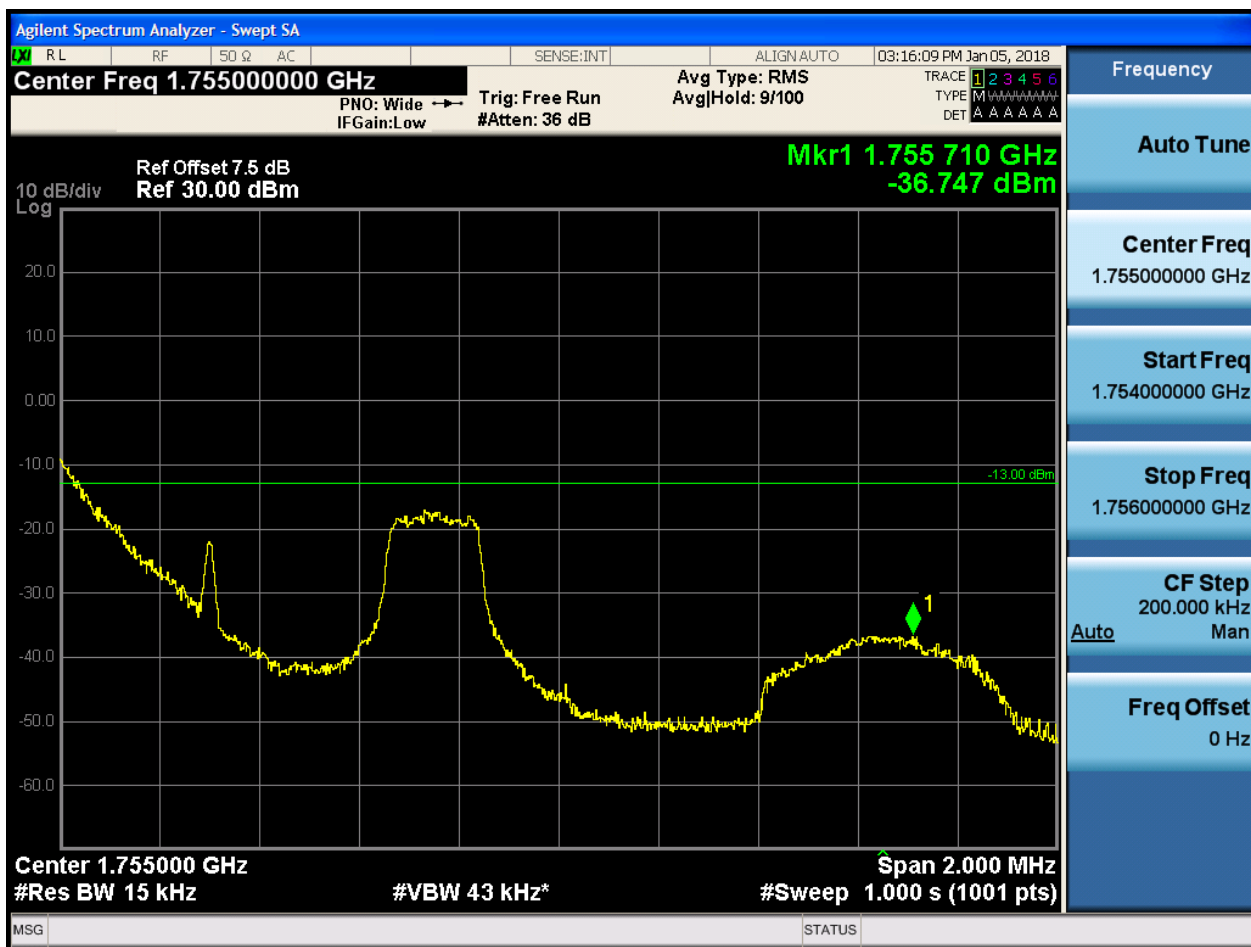


5.1.1.1.1.4 Test RB = RB6#0



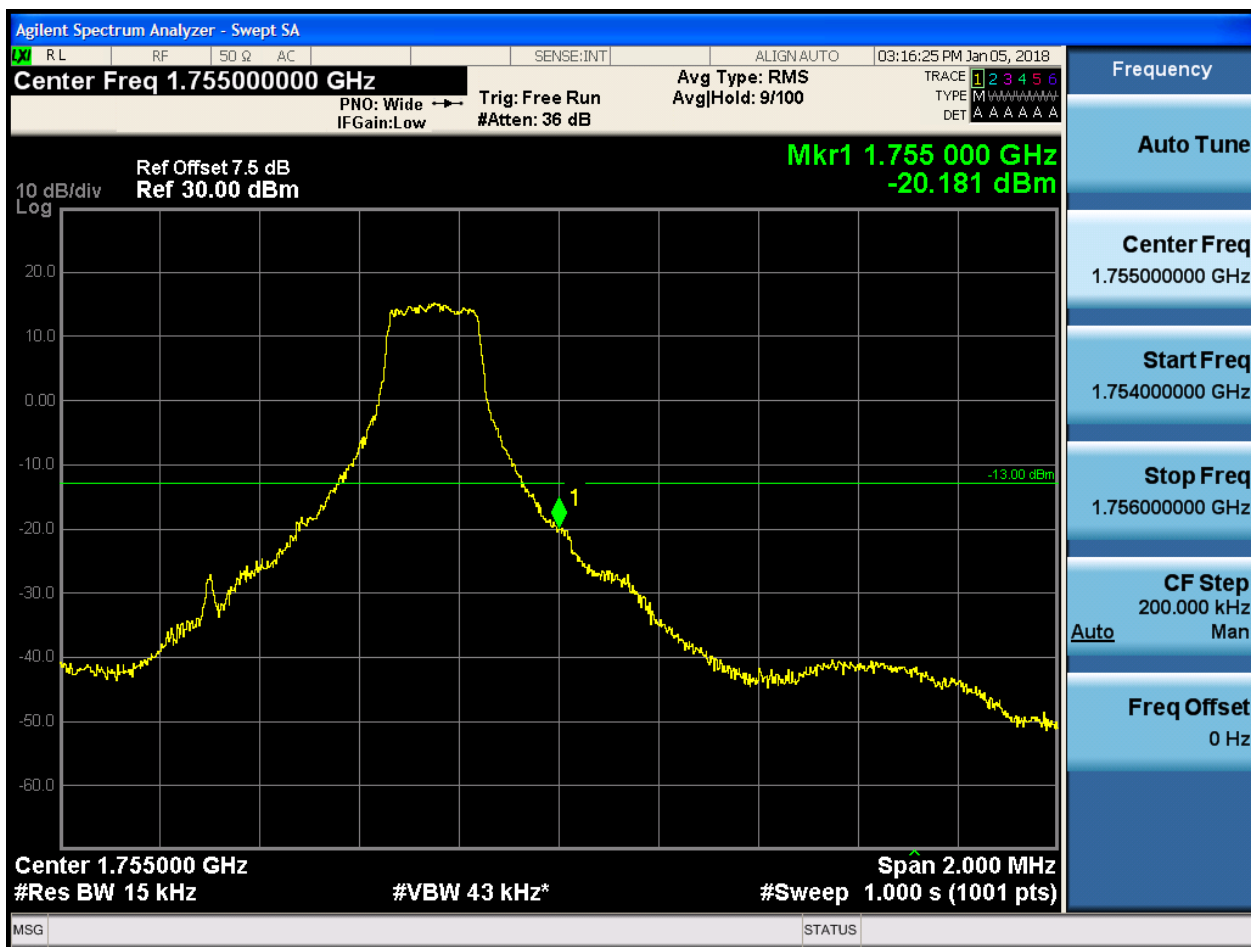
5.1.1.1.1.2 Test Channel = HCH

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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:16:41 PM Jan 05, 2018

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7.5 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-22.633 dBm

10 dB/div
Log

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

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq
1.755000000 GHz
Start Freq
1.754000000 GHz
Stop Freq
1.756000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-26.151 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

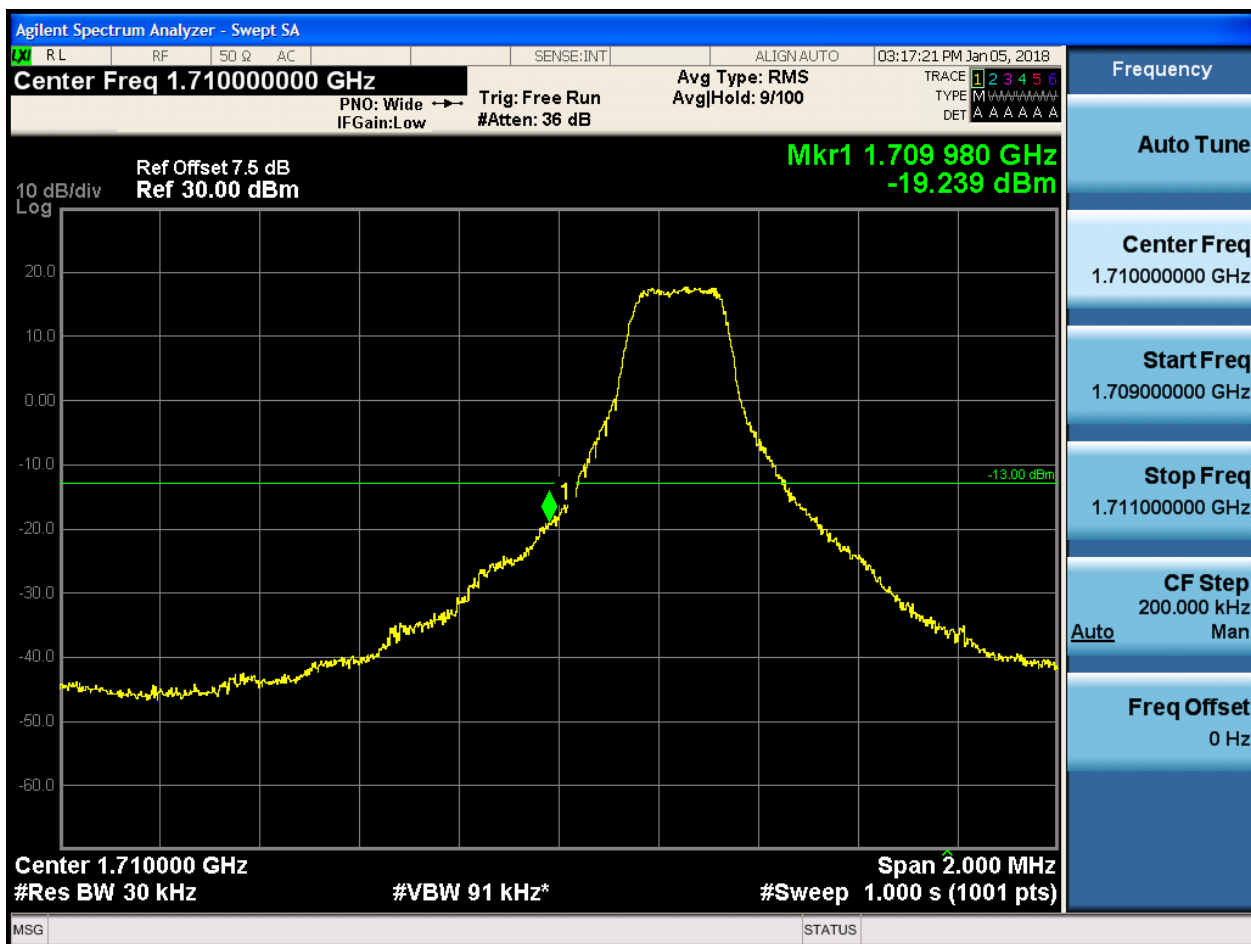
Freq Offset
0 Hz



5.1.1.1.2 Test Bandwidth = 3

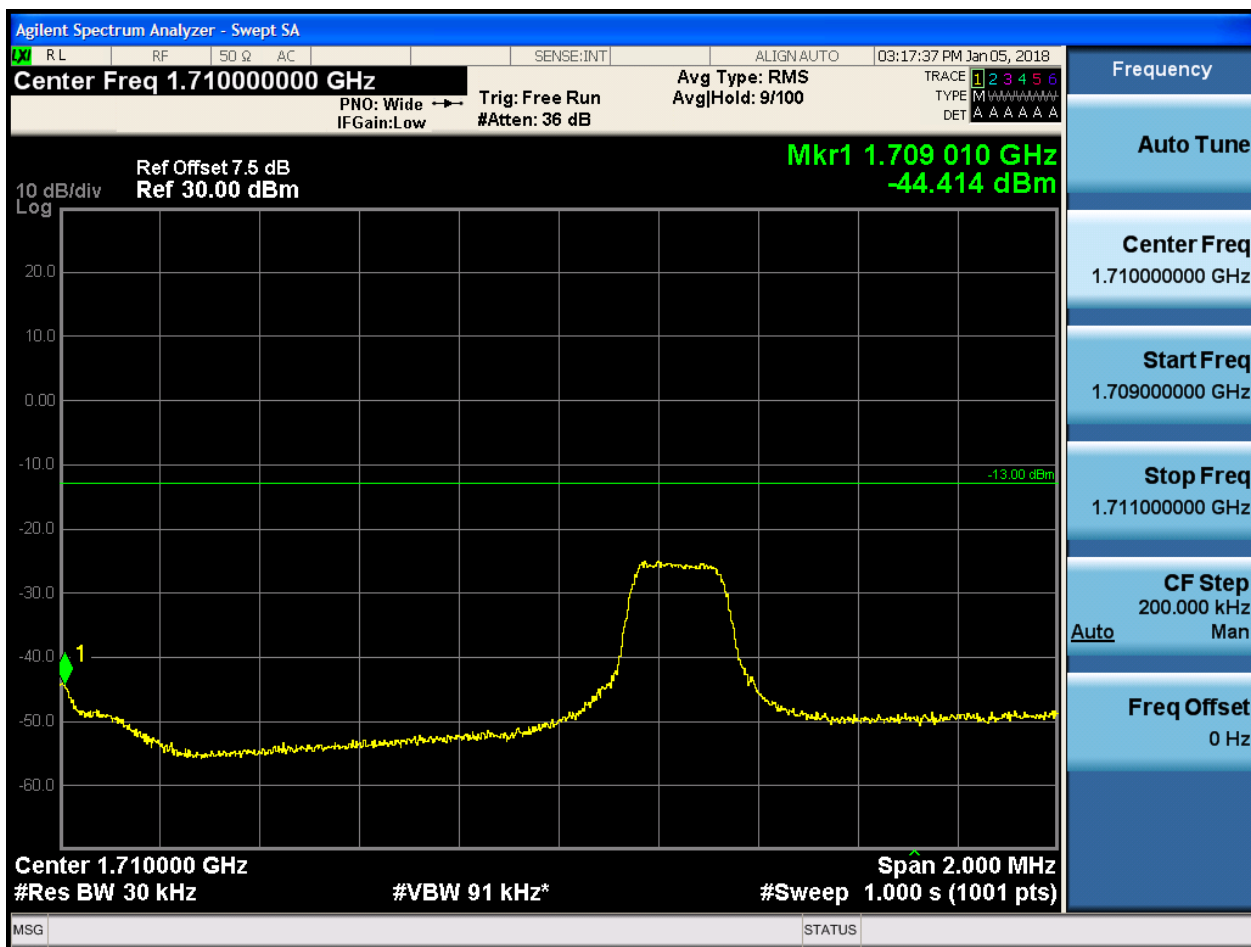
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



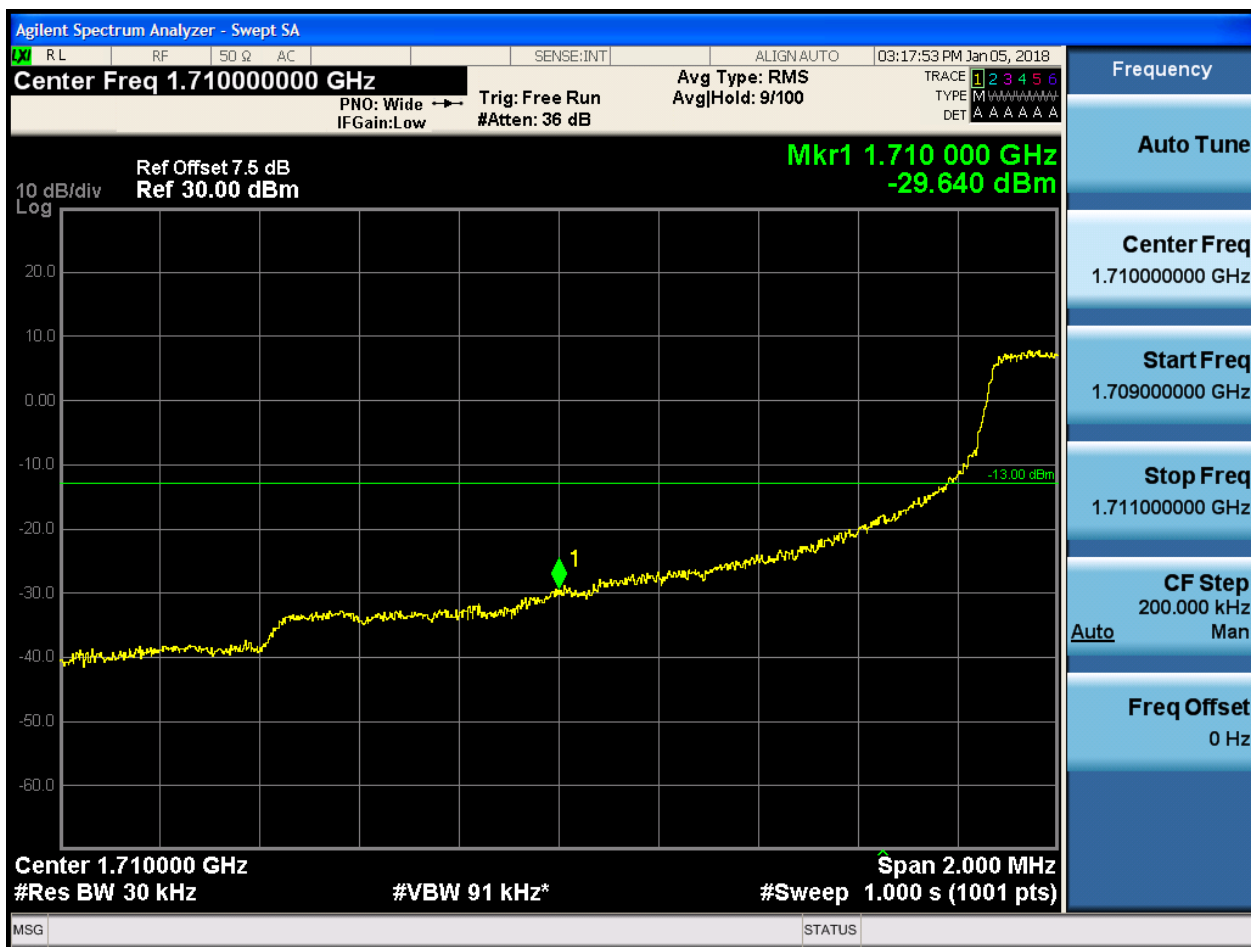


5.1.1.1.2.1.2 Test RB = RB1#14





5.1.1.1.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 03:18:09 PM Jan 05, 2018

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7.5 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-26.052 dBm

10 dB/div
Log

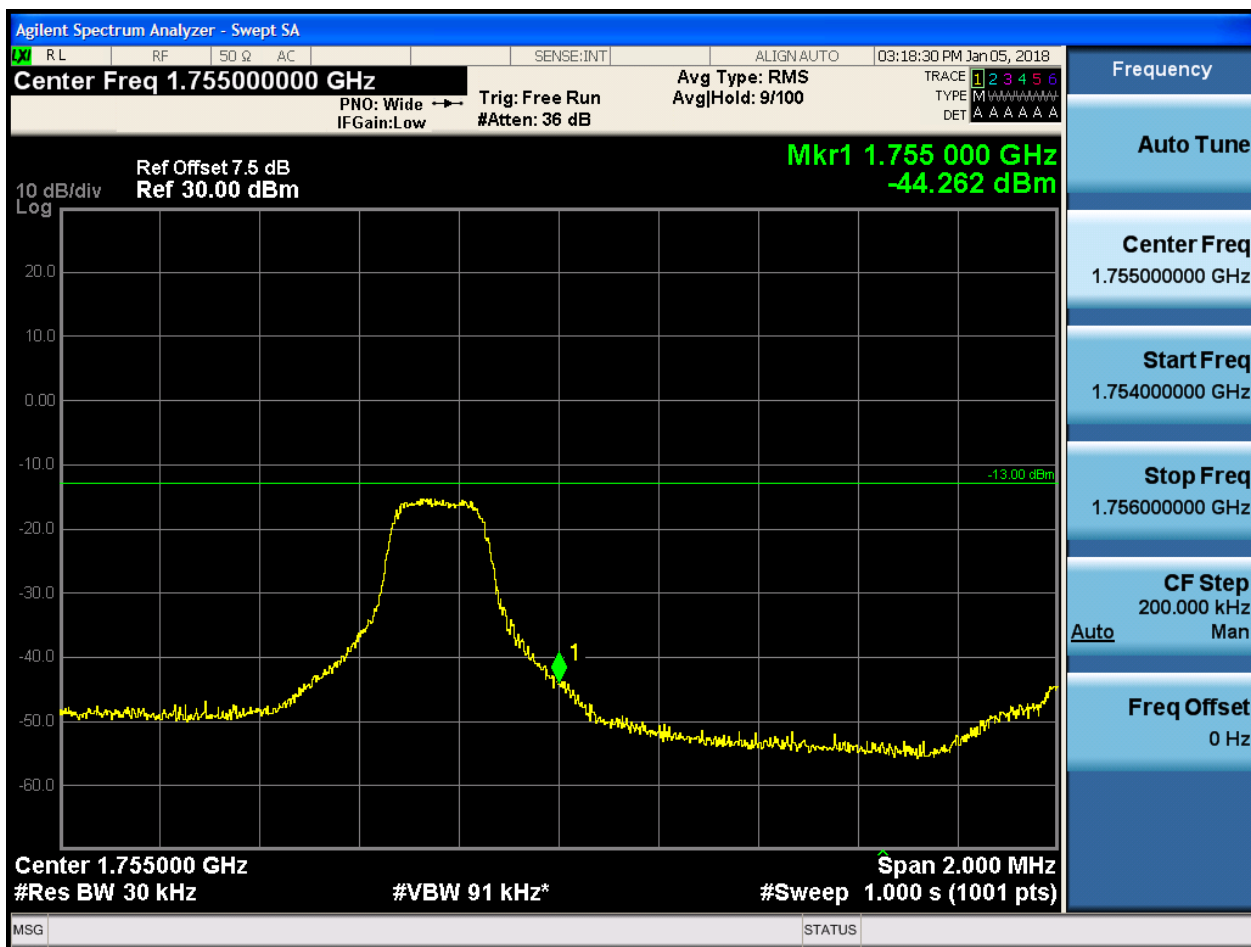
Center 1.710000 GHz
#Res BW 30 kHz #VBW 91 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



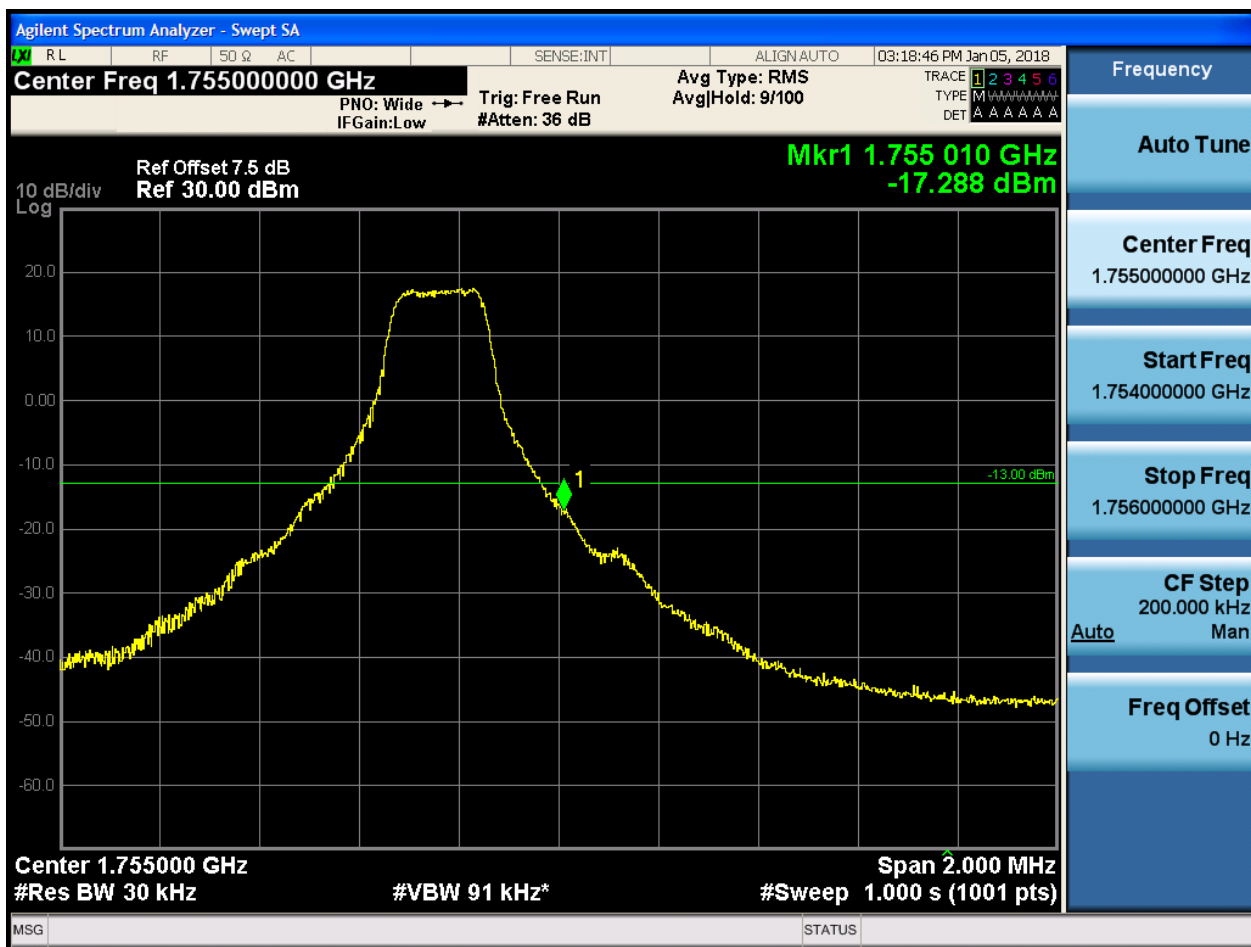
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run Avg|Hold: 9/100
IFGain:Low #Atten: 36 dB

Ref Offset 7.5 dB Mkr1 1.755 000 GHz
Ref 30.00 dBm -28.575 dBm

10 dB/div Log

The plot shows a spectrum with a yellow trace representing the signal. The signal starts at approximately 0 dBm at 1.754 GHz, drops sharply around 1.7545 GHz, and then settles into a noise floor around -30 dBm from 1.755 GHz onwards. A green horizontal line indicates the reference level at -13.00 dBm. A marker labeled '1' is placed on the signal trace at 1.755 GHz.

Center 1.755000 GHz Span 2.000 MHz
#Res BW 30 kHz #VBW 91 kHz* #Sweep 1.000 s (1001 pts)



5.1.1.1.2.2.4 Test RB = RB15#0

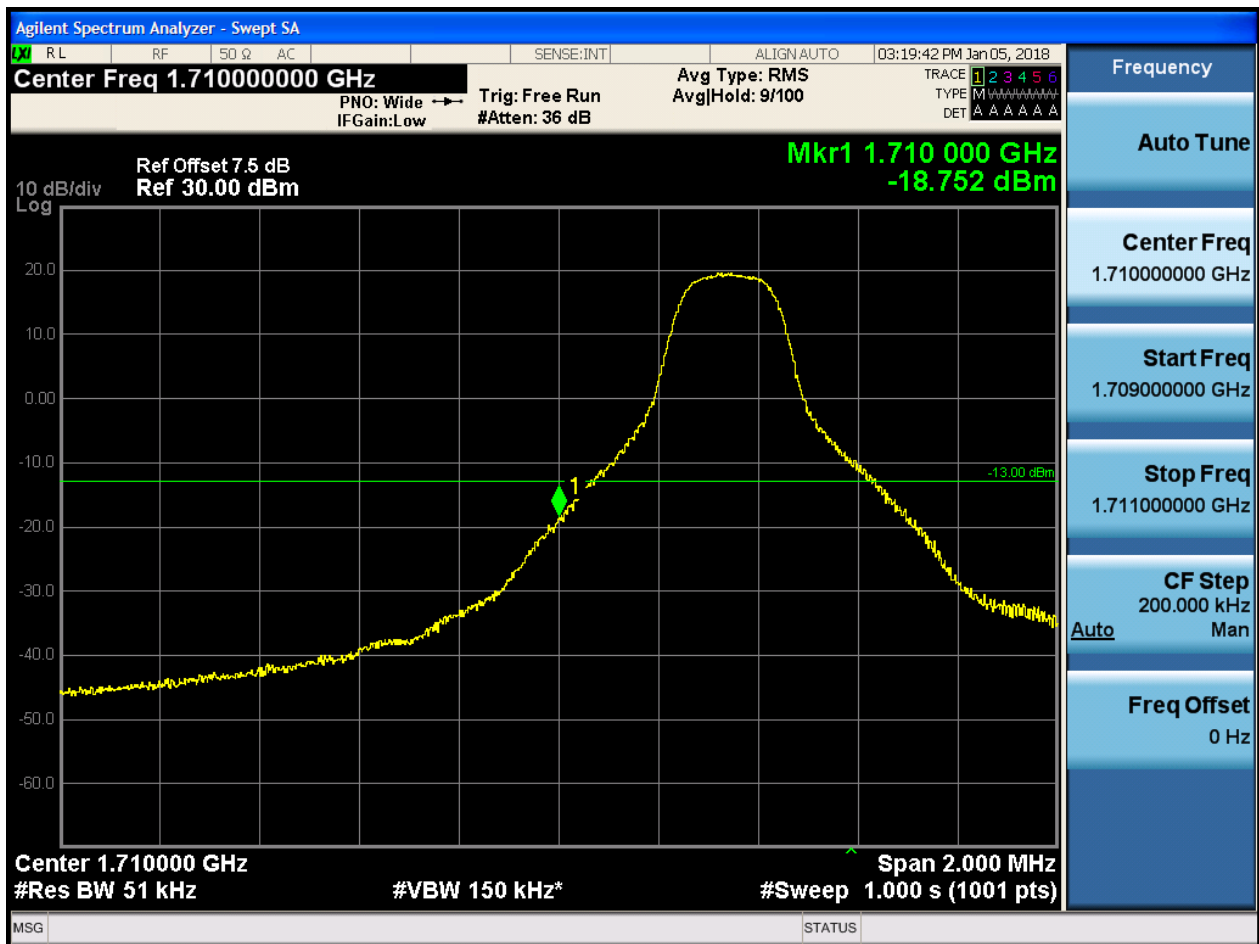




5.1.1.1.3 Test Bandwidth = 5

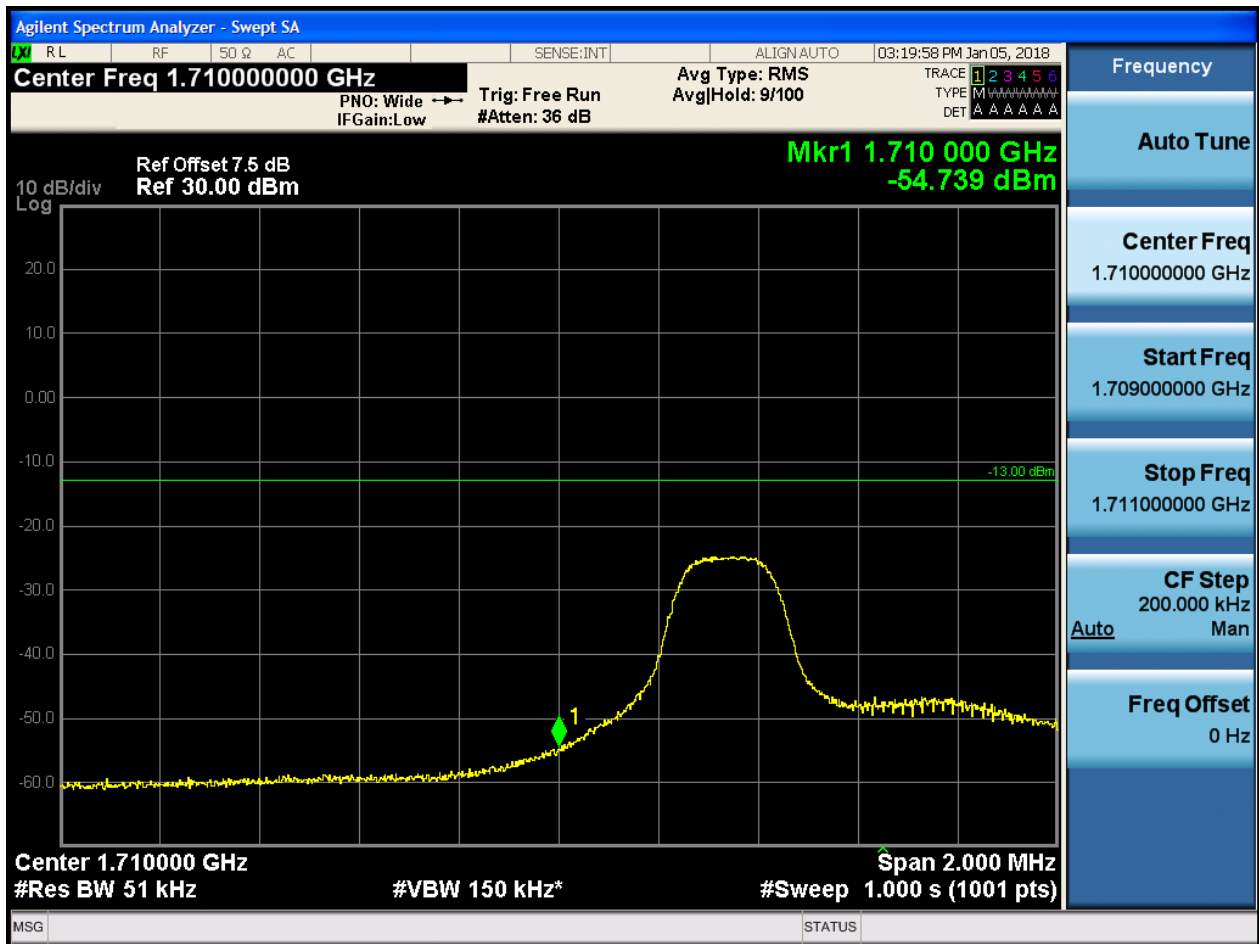
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:20:14 PM Jan 05, 2018

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7.5 dB
Ref 30.00 dBm

Mkr1 1.709 930 GHz
-31.285 dBm

10 dB/div
Log

Center 1.710000 GHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:20:30 PM Jan 05, 2018

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7.5 dB
Ref 30.00 dBm

Mkr1 1.709 990 GHz
-26.611 dBm

10 dB/div
Log

Center 1.710000 GHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

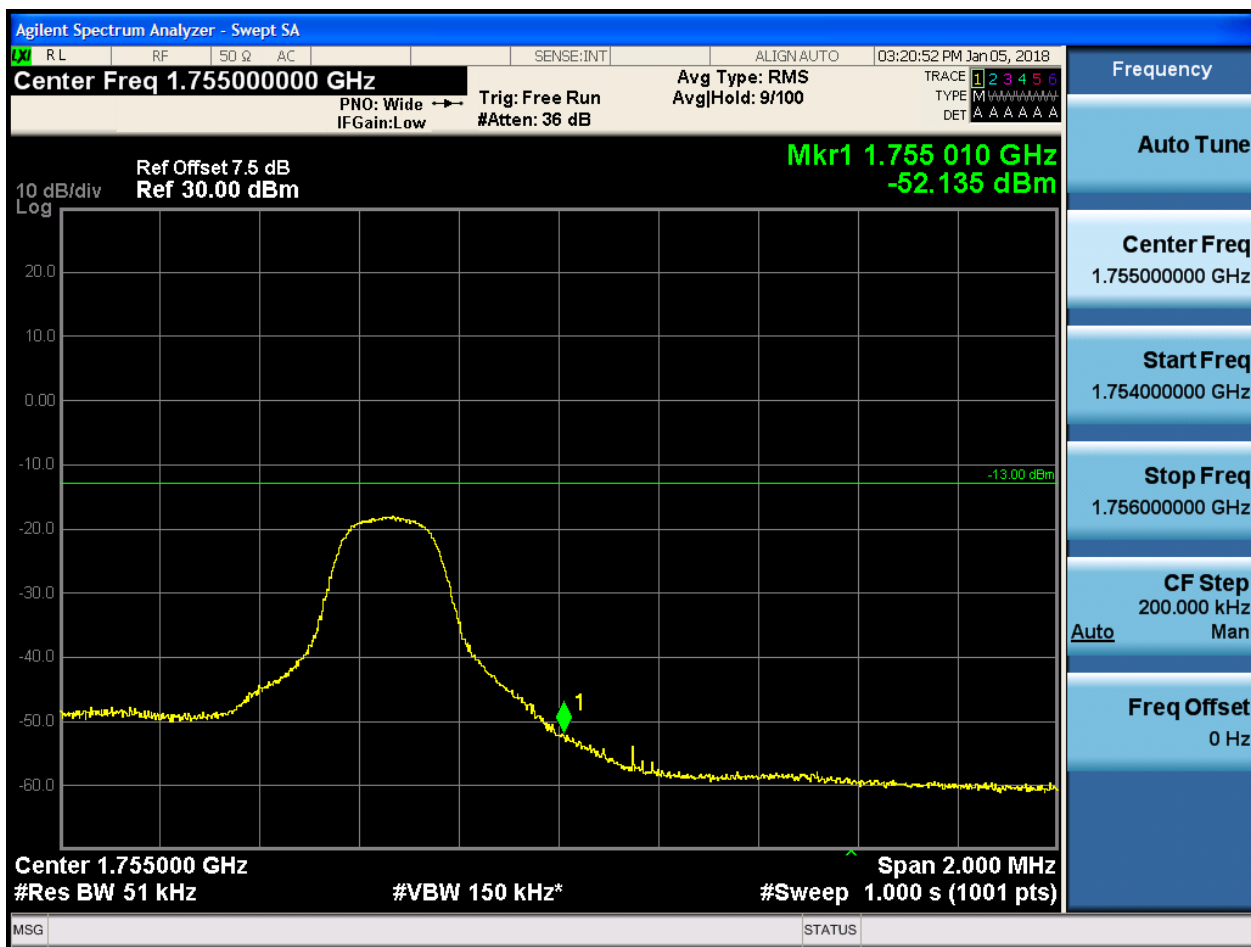
MSG STATUS

Frequency
Auto Tune
Center Freq 1.710000000 GHz
Start Freq 1.709000000 GHz
Stop Freq 1.711000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



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

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 03:21:08 PM Jan 05, 2018

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7.5 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-18.189 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz