



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	23.3	24.3	30	PASS
				RB1#3	23.29	24.29	30	PASS
				RB1#5	23.12	24.12	30	PASS
				RB3#0	23.12	24.12	30	PASS
				RB3#2	23.16	24.16	30	PASS
				RB3#3	23.1	24.1	30	PASS
				RB6#0	22.15	23.15	30	PASS
			MCH	RB1#0	22.89	23.89	30	PASS
				RB1#3	22.93	23.93	30	PASS
				RB1#5	22.74	23.74	30	PASS
				RB3#0	22.86	23.86	30	PASS
				RB3#2	22.88	23.88	30	PASS
				RB3#3	22.8	23.8	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.92	22.92	30	PASS
			HCH	RB1#0	23.47	24.47	30	PASS
				RB1#3	23.42	24.42	30	PASS
				RB1#5	23.2	24.2	30	PASS
				RB3#0	23.4	24.4	30	PASS
				RB3#2	23.36	24.36	30	PASS
				RB3#3	23.23	24.23	30	PASS
				RB6#0	22.36	23.36	30	PASS
		3	LCH	RB1#0	22.84	23.84	30	PASS
				RB1#7	23.04	24.04	30	PASS
				RB1#14	22.8	23.8	30	PASS
				RB8#0	21.93	22.93	30	PASS
				RB8#4	21.95	22.95	30	PASS
				RB8#7	21.93	22.93	30	PASS
				RB15#0	21.89	22.89	30	PASS
			MCH	RB1#0	22.69	23.69	30	PASS
				RB1#7	22.9	23.9	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.36	23.36	30	PASS
				RB8#0	21.74	22.74	30	PASS
				RB8#4	21.81	22.81	30	PASS
				RB8#7	21.73	22.73	30	PASS
				RB15#0	21.83	22.83	30	PASS
			HCH	RB1#0	23.4	24.4	30	PASS
				RB1#7	23.55	24.55	30	PASS
				RB1#14	23.02	24.02	30	PASS
				RB8#0	22.46	23.46	30	PASS
				RB8#4	22.39	23.39	30	PASS
				RB8#7	22.25	23.25	30	PASS
				RB15#0	22.31	23.31	30	PASS
		5	LCH	RB1#0	22.91	23.91	30	PASS
				RB1#13	23.21	24.21	30	PASS
				RB1#24	22.91	23.91	30	PASS
				RB12#0	22.01	23.01	30	PASS
				RB12#6	22.14	23.14	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	22.04	23.04	30	PASS
				RB25#0	22.08	23.08	30	PASS
			MCH	RB1#0	22.63	23.63	30	PASS
				RB1#13	22.84	23.84	30	PASS
				RB1#24	22.54	23.54	30	PASS
				RB12#0	21.84	22.84	30	PASS
				RB12#6	21.88	22.88	30	PASS
				RB12#13	21.74	22.74	30	PASS
				RB25#0	21.77	22.77	30	PASS
			HCH	RB1#0	23.41	24.41	30	PASS
				RB1#13	23.59	24.59	30	PASS
				RB1#24	22.98	23.98	30	PASS
				RB12#0	22.53	23.53	30	PASS
				RB12#6	22.59	23.59	30	PASS
				RB12#13	22.31	23.31	30	PASS
				RB25#0	22.24	23.24	30	PASS
		10	LCH	RB1#0	22.85	23.85	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	23.31	24.31	30	PASS
				RB1#49	22.91	23.91	30	PASS
				RB25#0	22.05	23.05	30	PASS
				RB25#13	22.18	23.18	30	PASS
				RB25#25	22.09	23.09	30	PASS
				RB50#0	22.01	23.01	30	PASS
			MCH	RB1#0	22.74	23.74	30	PASS
				RB1#25	22.88	23.88	30	PASS
				RB1#49	22.84	23.84	30	PASS
				RB25#0	21.81	22.81	30	PASS
				RB25#13	21.82	22.82	30	PASS
				RB25#25	21.9	22.9	30	PASS
				RB50#0	21.74	22.74	30	PASS
			HCH	RB1#0	23.31	24.31	30	PASS
				RB1#25	23.59	24.59	30	PASS
				RB1#49	23.08	24.08	30	PASS
				RB25#0	22.41	23.41	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.45	23.45	30	PASS
				RB25#25	22.35	23.35	30	PASS
				RB50#0	22.28	23.28	30	PASS
		15	LCH	RB1#0	22.84	23.84	30	PASS
				RB1#38	23.24	24.24	30	PASS
				RB1#74	22.82	23.82	30	PASS
				RB38#0	22.17	23.17	30	PASS
				RB38#19	22.29	23.29	30	PASS
				RB38#39	22.17	23.17	30	PASS
				RB75#0	22.12	23.12	30	PASS
			MCH	RB1#0	22.88	23.88	30	PASS
				RB1#38	22.96	23.96	30	PASS
				RB1#74	22.97	23.97	30	PASS
				RB38#0	21.96	22.96	30	PASS
				RB38#19	22.12	23.12	30	PASS
				RB38#39	22.18	23.18	30	PASS
				RB75#0	21.99	22.99	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.07	24.07	30	PASS
				RB1#38	23.61	24.61	30	PASS
				RB1#74	23.12	24.12	30	PASS
				RB38#0	22.34	23.34	30	PASS
				RB38#19	22.42	23.42	30	PASS
				RB38#39	22.32	23.32	30	PASS
				RB75#0	22.38	23.38	30	PASS
		20	LCH	RB1#0	22.93	23.93	30	PASS
				RB1#50	23.42	24.42	30	PASS
				RB1#99	22.46	23.46	30	PASS
				RB50#0	22.28	23.28	30	PASS
				RB50#25	22.32	23.32	30	PASS
				RB50#50	22.13	23.13	30	PASS
				RB100#0	22.25	23.25	30	PASS
			MCH	RB1#0	22.98	23.98	30	PASS
				RB1#50	23.03	24.03	30	PASS
				RB1#99	22.88	23.88	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.99	22.99	30	PASS
				RB50#25	21.9	22.9	30	PASS
				RB50#50	22.07	23.07	30	PASS
				RB100#0	21.99	22.99	30	PASS
			HCH	RB1#0	22.81	23.81	30	PASS
				RB1#50	23.44	24.44	30	PASS
				RB1#99	22.93	23.93	30	PASS
				RB50#0	22.15	23.15	30	PASS
				RB50#25	22.49	23.49	30	PASS
				RB50#50	22.26	23.26	30	PASS
				RB100#0	22.25	23.25	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.2	23.2	30	PASS
				RB1#3	22.15	23.15	30	PASS
				RB1#5	22.09	23.09	30	PASS
				RB3#0	22.16	23.16	30	PASS
				RB3#2	22.15	23.15	30	PASS
				RB3#3	22.09	23.09	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.62	22.62	30	PASS
			MCH	RB1#0	22.16	23.16	30	PASS
				RB1#3	22.19	23.19	30	PASS
				RB1#5	22.05	23.05	30	PASS
				RB3#0	21.96	22.96	30	PASS
				RB3#2	22.01	23.01	30	PASS
				RB3#3	21.92	22.92	30	PASS
				RB6#0	21.46	22.46	30	PASS
			HCH	RB1#0	22.64	23.64	30	PASS
				RB1#3	22.59	23.59	30	PASS
				RB1#5	22.37	23.37	30	PASS
				RB3#0	22.51	23.51	30	PASS
				RB3#2	22.48	23.48	30	PASS
				RB3#3	22.39	23.39	30	PASS
				RB6#0	21.95	22.95	30	PASS
		3	LCH	RB1#0	22.13	23.13	30	PASS
				RB1#7	22.33	23.33	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.97	22.97	30	PASS
				RB8#0	21.54	22.54	30	PASS
				RB8#4	21.54	22.54	30	PASS
				RB8#7	21.53	22.53	30	PASS
				RB15#0	21.54	22.54	30	PASS
			MCH	RB1#0	21.79	22.79	30	PASS
				RB1#7	22.02	23.02	30	PASS
				RB1#14	21.52	22.52	30	PASS
				RB8#0	21.31	22.31	30	PASS
				RB8#4	21.39	22.39	30	PASS
				RB8#7	21.3	22.3	30	PASS
				RB15#0	21.36	22.36	30	PASS
			HCH	RB1#0	22.57	23.57	30	PASS
				RB1#7	22.7	23.7	30	PASS
				RB1#14	22.22	23.22	30	PASS
				RB8#0	21.97	22.97	30	PASS
				RB8#4	21.95	22.95	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	21.82	22.82	30	PASS
				RB15#0	21.91	22.91	30	PASS
		5	LCH	RB1#0	22.03	23.03	30	PASS
				RB1#13	22.39	23.39	30	PASS
				RB1#24	22.06	23.06	30	PASS
				RB12#0	21.64	22.64	30	PASS
				RB12#6	21.75	22.75	30	PASS
				RB12#13	21.65	22.65	30	PASS
				RB25#0	21.66	22.66	30	PASS
			MCH	RB1#0	21.86	22.86	30	PASS
				RB1#13	22.15	23.15	30	PASS
				RB1#24	21.87	22.87	30	PASS
				RB12#0	21.37	22.37	30	PASS
				RB12#6	21.39	22.39	30	PASS
				RB12#13	21.26	22.26	30	PASS
				RB25#0	21.24	22.24	30	PASS
			HCH	RB1#0	22.85	23.85	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	23.05	24.05	30	PASS
				RB1#24	22.42	23.42	30	PASS
				RB12#0	22.03	23.03	30	PASS
				RB12#6	22.05	23.05	30	PASS
				RB12#13	21.88	22.88	30	PASS
				RB25#0	21.72	22.72	30	PASS
		10	LCH	RB1#0	22.03	23.03	30	PASS
				RB1#25	22.49	23.49	30	PASS
				RB1#49	22.28	23.28	30	PASS
				RB25#0	21.82	22.82	30	PASS
				RB25#13	21.95	22.95	30	PASS
				RB25#25	21.88	22.88	30	PASS
				RB50#0	21.78	22.78	30	PASS
			MCH	RB1#0	21.78	22.78	30	PASS
				RB1#25	22.04	23.04	30	PASS
				RB1#49	21.84	22.84	30	PASS
				RB25#0	21.3	22.3	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.29	22.29	30	PASS
				RB25#25	21.36	22.36	30	PASS
				RB50#0	21.21	22.21	30	PASS
			HCH	RB1#0	22.44	23.44	30	PASS
				RB1#25	22.81	23.81	30	PASS
				RB1#49	22.35	23.35	30	PASS
				RB25#0	21.85	22.85	30	PASS
				RB25#13	21.89	22.89	30	PASS
				RB25#25	21.8	22.8	30	PASS
				RB50#0	21.72	22.72	30	PASS
		15	LCH	RB1#0	22.05	23.05	30	PASS
				RB1#38	22.49	23.49	30	PASS
				RB1#74	22.12	23.12	30	PASS
				RB38#0	21.92	22.92	30	PASS
				RB38#19	21.97	22.97	30	PASS
				RB38#39	21.85	22.85	30	PASS
				RB75#0	21.85	22.85	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.97	22.97	30	PASS
				RB1#38	22.24	23.24	30	PASS
				RB1#74	22.39	23.39	30	PASS
				RB38#0	21.44	22.44	30	PASS
				RB38#19	21.59	22.59	30	PASS
				RB38#39	21.64	22.64	30	PASS
				RB75#0	21.46	22.46	30	PASS
			HCH	RB1#0	22.31	23.31	30	PASS
				RB1#38	22.84	23.84	30	PASS
				RB1#74	22.29	23.29	30	PASS
				RB38#0	21.81	22.81	30	PASS
				RB38#19	21.88	22.88	30	PASS
				RB38#39	21.79	22.79	30	PASS
				RB75#0	21.84	22.84	30	PASS
		20	LCH	RB1#0	22.15	23.15	30	PASS
				RB1#50	22.59	23.59	30	PASS
				RB1#99	21.83	22.83	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.65	22.65	30	PASS
				RB50#25	21.61	22.61	30	PASS
				RB50#50	21.41	22.41	30	PASS
				RB100#0	21.52	22.52	30	PASS
			MCH	RB1#0	22	23	30	PASS
				RB1#50	22.13	23.13	30	PASS
				RB1#99	22	23	30	PASS
				RB50#0	21.49	22.49	30	PASS
				RB50#25	21.41	22.41	30	PASS
				RB50#50	21.56	22.56	30	PASS
				RB100#0	21.49	22.49	30	PASS
			HCH	RB1#0	22.15	23.15	30	PASS
				RB1#50	22.71	23.71	30	PASS
				RB1#99	22.39	23.39	30	PASS
				RB50#0	21.56	22.56	30	PASS
				RB50#25	21.91	22.91	30	PASS
				RB50#50	21.71	22.71	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.69	22.69	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	4.22	13	PASS
				RB1#3	4.24	13	PASS
				RB1#5	4.31	13	PASS
				RB3#0	4.74	13	PASS
				RB3#2	4.7	13	PASS
				RB3#3	4.92	13	PASS
				RB6#0	5.68	13	PASS
			MCH	RB1#0	5.03	13	PASS
				RB1#3	4.89	13	PASS
				RB1#5	5.09	13	PASS
				RB3#0	5.98	13	PASS
				RB3#2	5.91	13	PASS
				RB3#3	5.91	13	PASS
				RB6#0	5.9	13	PASS
			HCH	RB1#0	4.54	13	PASS
				RB1#3	4.5	13	PASS
				RB1#5	4.57	13	PASS
				RB3#0	5	13	PASS
				RB3#2	4.97	13	PASS
				RB3#3	5.13	13	PASS
				RB6#0	5.74	13	PASS
		3	LCH	RB1#0	4.37	13	PASS
				RB1#7	4.28	13	PASS
				RB1#14	4.65	13	PASS
				RB8#0	5.61	13	PASS
				RB8#4	5.71	13	PASS
				RB8#7	5.82	13	PASS
				RB15#0	5.77	13	PASS
			MCH	RB1#0	5.34	13	PASS
				RB1#7	5.16	13	PASS
				RB1#14	5.28	13	PASS
				RB8#0	6.18	13	PASS
				RB8#4	6.17	13	PASS
				RB8#7	6.14	13	PASS
				RB15#0	6.24	13	PASS
			HCH	RB1#0	4.57	13	PASS
				RB1#7	4.38	13	PASS
				RB1#14	4.74	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	5.63	13	PASS
				RB8#4	5.65	13	PASS
				RB8#7	5.74	13	PASS
				RB15#0	5.66	13	PASS
			LCH	RB1#0	4.26	13	PASS
				RB1#13	4.4	13	PASS
				RB1#24	4.94	13	PASS
				RB12#0	5.77	13	PASS
				RB12#6	5.57	13	PASS
				RB12#13	5.93	13	PASS
				RB25#0	5.83	13	PASS
			MCH	RB1#0	5.53	13	PASS
				RB1#13	5.54	13	PASS
				RB1#24	5.55	13	PASS
				RB12#0	6.47	13	PASS
				RB12#6	6.47	13	PASS
				RB12#13	6.44	13	PASS
				RB25#0	6.22	13	PASS
			HCH	RB1#0	4.66	13	PASS
				RB1#13	4.43	13	PASS
				RB1#24	4.79	13	PASS
				RB12#0	5.78	13	PASS
				RB12#6	5.63	13	PASS
				RB12#13	5.84	13	PASS
				RB25#0	6.19	13	PASS
		10	LCH	RB1#0	4.23	13	PASS
				RB1#25	4.49	13	PASS
				RB1#49	4.95	13	PASS
				RB25#0	5.95	13	PASS
				RB25#13	6	13	PASS
				RB25#25	6.22	13	PASS
				RB50#0	6.17	13	PASS
			MCH	RB1#0	4.98	13	PASS
				RB1#25	5.19	13	PASS
				RB1#49	5.21	13	PASS
				RB25#0	6.57	13	PASS
				RB25#13	6.65	13	PASS
				RB25#25	6.49	13	PASS
				RB50#0	6.61	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	5.17	13	PASS
				RB1#25	4.52	13	PASS
				RB1#49	4.71	13	PASS
				RB25#0	5.99	13	PASS
				RB25#13	5.91	13	PASS
				RB25#25	6.06	13	PASS
				RB50#0	6.31	13	PASS
		15	LCH	RB1#0	4.37	13	PASS
				RB1#38	4.86	13	PASS
				RB1#74	5.39	13	PASS
				RB38#0	6.04	13	PASS
				RB38#19	6.07	13	PASS
				RB38#39	6.35	13	PASS
				RB75#0	6.39	13	PASS
			MCH	RB1#0	5.25	13	PASS
				RB1#38	5.46	13	PASS
				RB1#74	5.26	13	PASS
				RB38#0	6.36	13	PASS
				RB38#19	6.49	13	PASS
				RB38#39	6.37	13	PASS
				RB75#0	6.78	13	PASS
			HCH	RB1#0	5.47	13	PASS
				RB1#38	5.14	13	PASS
				RB1#74	4.79	13	PASS
				RB38#0	6.32	13	PASS
				RB38#19	6.04	13	PASS
				RB38#39	6.19	13	PASS
				RB75#0	6.49	13	PASS
		20	LCH	RB1#0	4.47	13	PASS
				RB1#50	5.02	13	PASS
				RB1#99	5.93	13	PASS
				RB50#0	6.21	13	PASS
				RB50#25	6.23	13	PASS
				RB50#50	6.41	13	PASS
				RB100#0	6.37	13	PASS
			MCH	RB1#0	5.65	13	PASS
				RB1#50	5.96	13	PASS
				RB1#99	6.04	13	PASS
				RB50#0	6.44	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	6.66	13	PASS
				RB50#50	6.52	13	PASS
				RB100#0	6.85	13	PASS
			HCH	RB1#0	5.26	13	PASS
				RB1#50	4.95	13	PASS
				RB1#99	5.21	13	PASS
				RB50#0	6.5	13	PASS
				RB50#25	6.31	13	PASS
				RB50#50	6.3	13	PASS
				RB100#0	6.54	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.01	13	PASS
				RB1#3	4.96	13	PASS
				RB1#5	5.09	13	PASS
				RB3#0	5.53	13	PASS
				RB3#2	5.38	13	PASS
				RB3#3	5.68	13	PASS
				RB6#0	6.24	13	PASS
			MCH	RB1#0	6.01	13	PASS
				RB1#3	5.93	13	PASS
				RB1#5	5.94	13	PASS
				RB3#0	6.91	13	PASS
				RB3#2	7	13	PASS
				RB3#3	6.86	13	PASS
				RB6#0	6.7	13	PASS
		3	HCH	RB1#0	5.12	13	PASS
				RB1#3	5.09	13	PASS
				RB1#5	5.15	13	PASS
				RB3#0	5.89	13	PASS
				RB3#2	5.81	13	PASS
				RB3#3	5.96	13	PASS
				RB6#0	6.33	13	PASS
			LCH	RB1#0	5.14	13	PASS
				RB1#7	5.01	13	PASS
				RB1#14	5.44	13	PASS
				RB8#0	6.16	13	PASS
				RB8#4	6.1	13	PASS
				RB8#7	6.29	13	PASS
				RB15#0	6.26	13	PASS
			MCH	RB1#0	5.88	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	6.09	13	PASS
				RB1#14	6.12	13	PASS
				RB8#0	6.76	13	PASS
				RB8#4	6.71	13	PASS
				RB8#7	6.57	13	PASS
				RB15#0	6.82	13	PASS
			HCH	RB1#0	5.26	13	PASS
				RB1#7	5.13	13	PASS
				RB1#14	5.37	13	PASS
				RB8#0	6.19	13	PASS
				RB8#4	6.08	13	PASS
				RB8#7	6.19	13	PASS
				RB15#0	6.67	13	PASS
		5	LCH	RB1#0	5.16	13	PASS
				RB1#13	5.34	13	PASS
				RB1#24	5.81	13	PASS
				RB12#0	6.23	13	PASS
				RB12#6	6.1	13	PASS
				RB12#13	6.39	13	PASS
			MCH	RB25#0	6.69	13	PASS
				RB1#0	5.78	13	PASS
				RB1#13	5.94	13	PASS
				RB1#24	5.9	13	PASS
				RB12#0	6.85	13	PASS
				RB12#6	6.95	13	PASS
				RB12#13	6.79	13	PASS
				RB25#0	6.9	13	PASS
		10	HCH	RB1#0	5.2	13	PASS
				RB1#13	5.03	13	PASS
				RB1#24	5.36	13	PASS
				RB12#0	6.31	13	PASS
				RB12#6	6.17	13	PASS
				RB12#13	6.43	13	PASS
			LCH	RB25#0	6.65	13	PASS
				RB1#0	5.24	13	PASS
				RB1#25	5.57	13	PASS
				RB1#49	6.05	13	PASS
				RB25#0	6.44	13	PASS
				RB25#13	6.47	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	6.72	13	PASS
				RB50#0	6.84	13	PASS
			MCH	RB1#0	6.07	13	PASS
				RB1#25	6.03	13	PASS
				RB1#49	6.03	13	PASS
				RB25#0	7.19	13	PASS
				RB25#13	6.99	13	PASS
				RB25#25	6.9	13	PASS
				RB50#0	7.19	13	PASS
			HCH	RB1#0	5.16	13	PASS
				RB1#25	4.94	13	PASS
				RB1#49	5.09	13	PASS
				RB25#0	6.66	13	PASS
				RB25#13	6.48	13	PASS
				RB25#25	6.54	13	PASS
				RB50#0	6.86	13	PASS
		15	LCH	RB1#0	5.43	13	PASS
				RB1#38	5.72	13	PASS
				RB1#74	6.18	13	PASS
				RB38#0	6.48	13	PASS
				RB38#19	6.57	13	PASS
				RB38#39	6.87	13	PASS
				RB75#0	7.14	13	PASS
			MCH	RB1#0	6.23	13	PASS
				RB1#38	6.6	13	PASS
				RB1#74	6.43	13	PASS
				RB38#0	7.14	13	PASS
				RB38#19	7.06	13	PASS
				RB38#39	7.27	13	PASS
				RB75#0	7.55	13	PASS
			HCH	RB1#0	6.08	13	PASS
				RB1#38	5.25	13	PASS
				RB1#74	5.47	13	PASS
				RB38#0	6.7	13	PASS
				RB38#19	6.62	13	PASS
				RB38#39	6.7	13	PASS
				RB75#0	7.23	13	PASS
		20	LCH	RB1#0	5.45	13	PASS
				RB1#50	5.34	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	6.37	13	PASS
				RB50#0	6.67	13	PASS
				RB50#25	6.88	13	PASS
				RB50#50	7.2	13	PASS
				RB100#0	7.11	13	PASS
			MCH	RB1#0	6.08	13	PASS
				RB1#50	6.36	13	PASS
				RB1#99	6.65	13	PASS
				RB50#0	7.2	13	PASS
				RB50#25	7.09	13	PASS
				RB50#50	6.9	13	PASS
				RB100#0	7.24	13	PASS
			HCH	RB1#0	6.33	13	PASS
				RB1#50	5.58	13	PASS
				RB1#99	6.16	13	PASS
				RB50#0	6.88	13	PASS
				RB50#25	6.79	13	PASS
				RB50#50	6.89	13	PASS
				RB100#0	7.31	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

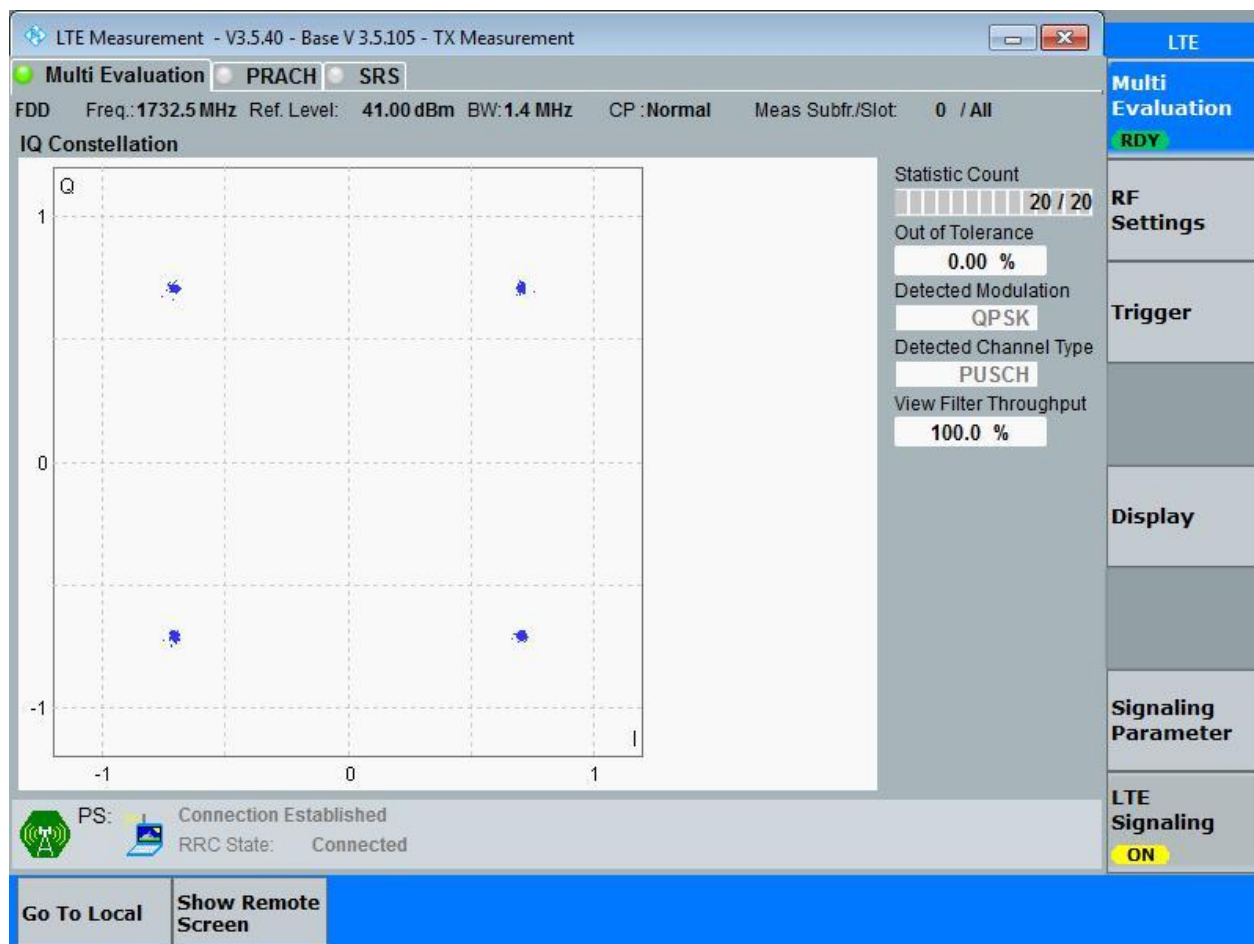
3.1.1 Test Band = BAND4

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

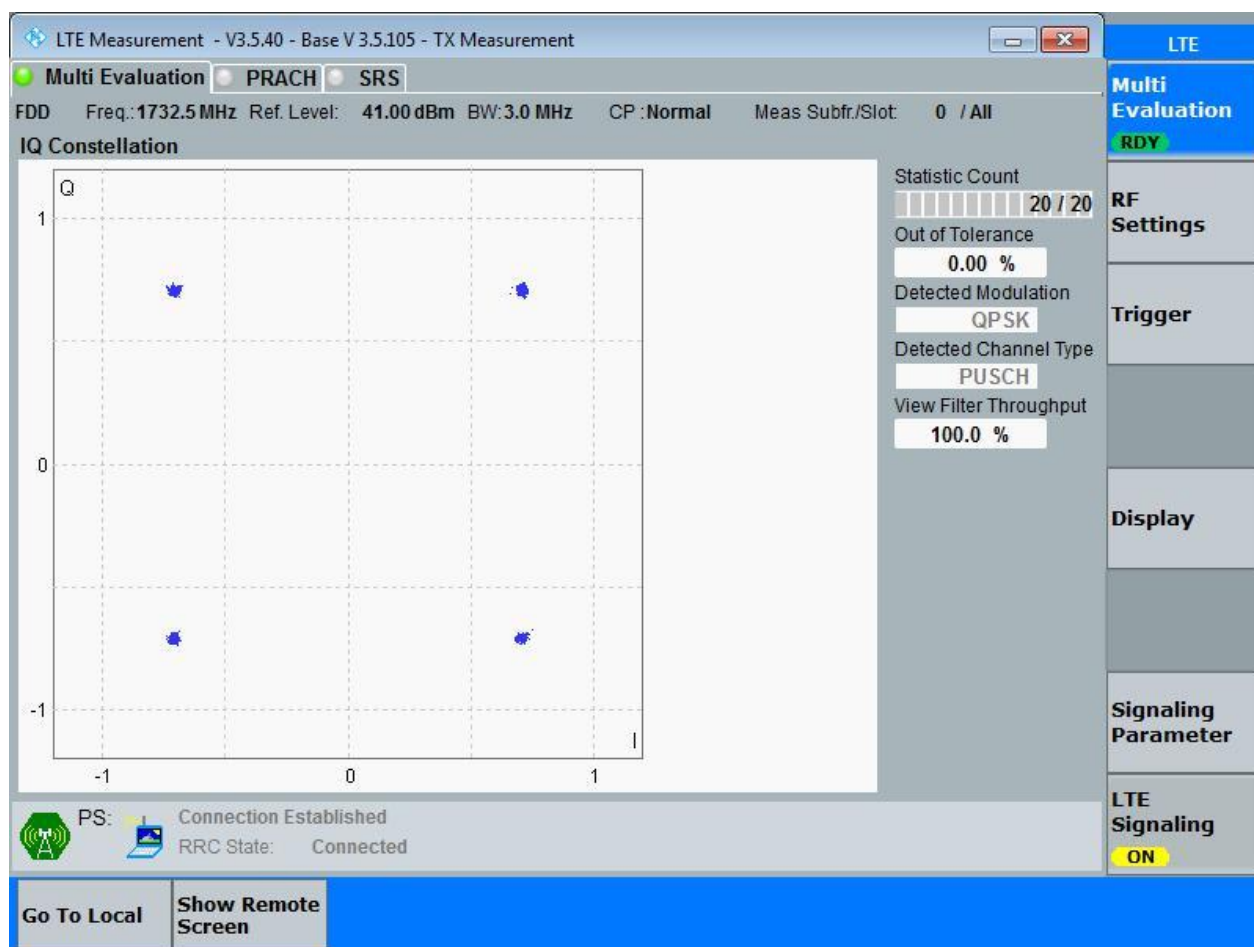
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

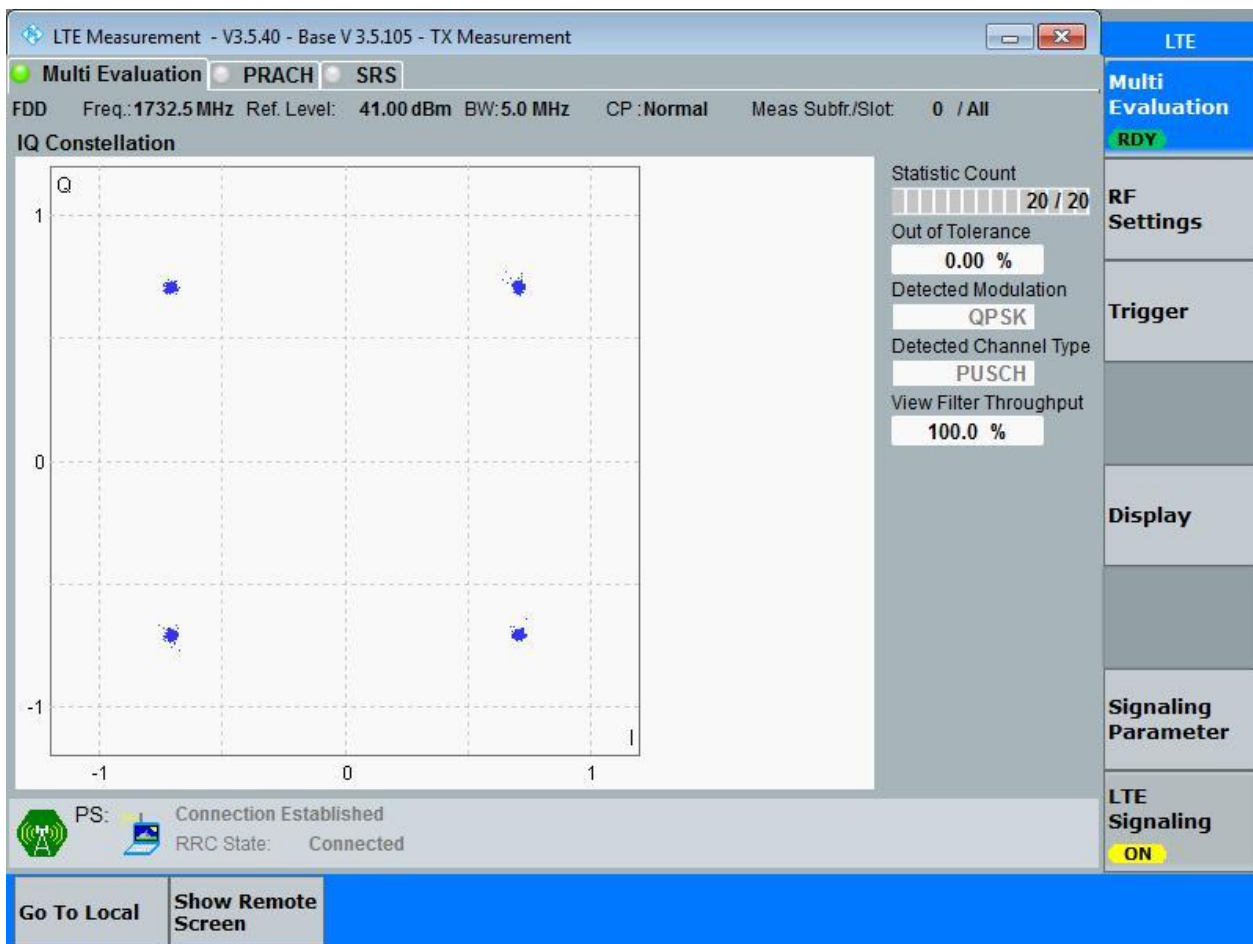
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

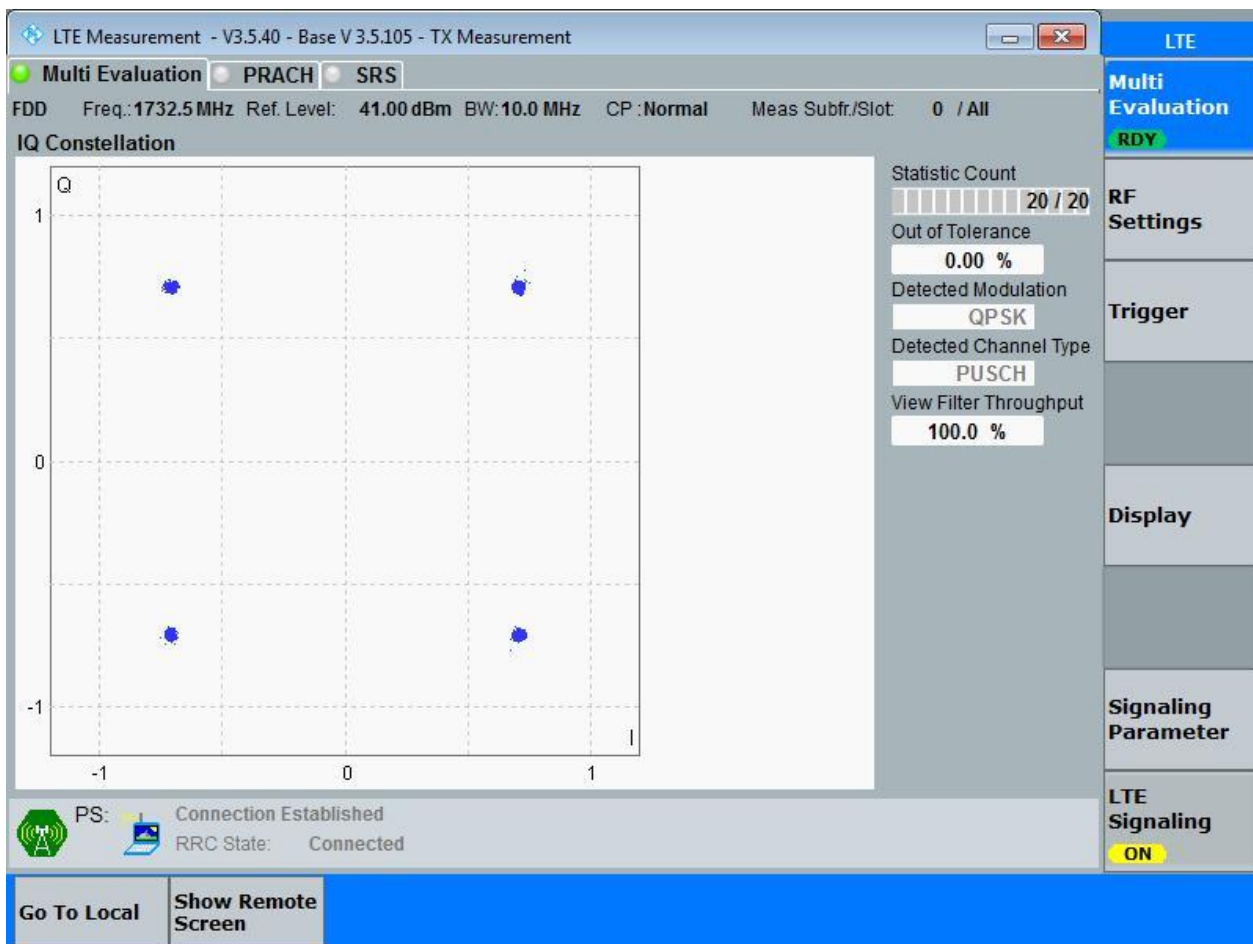
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

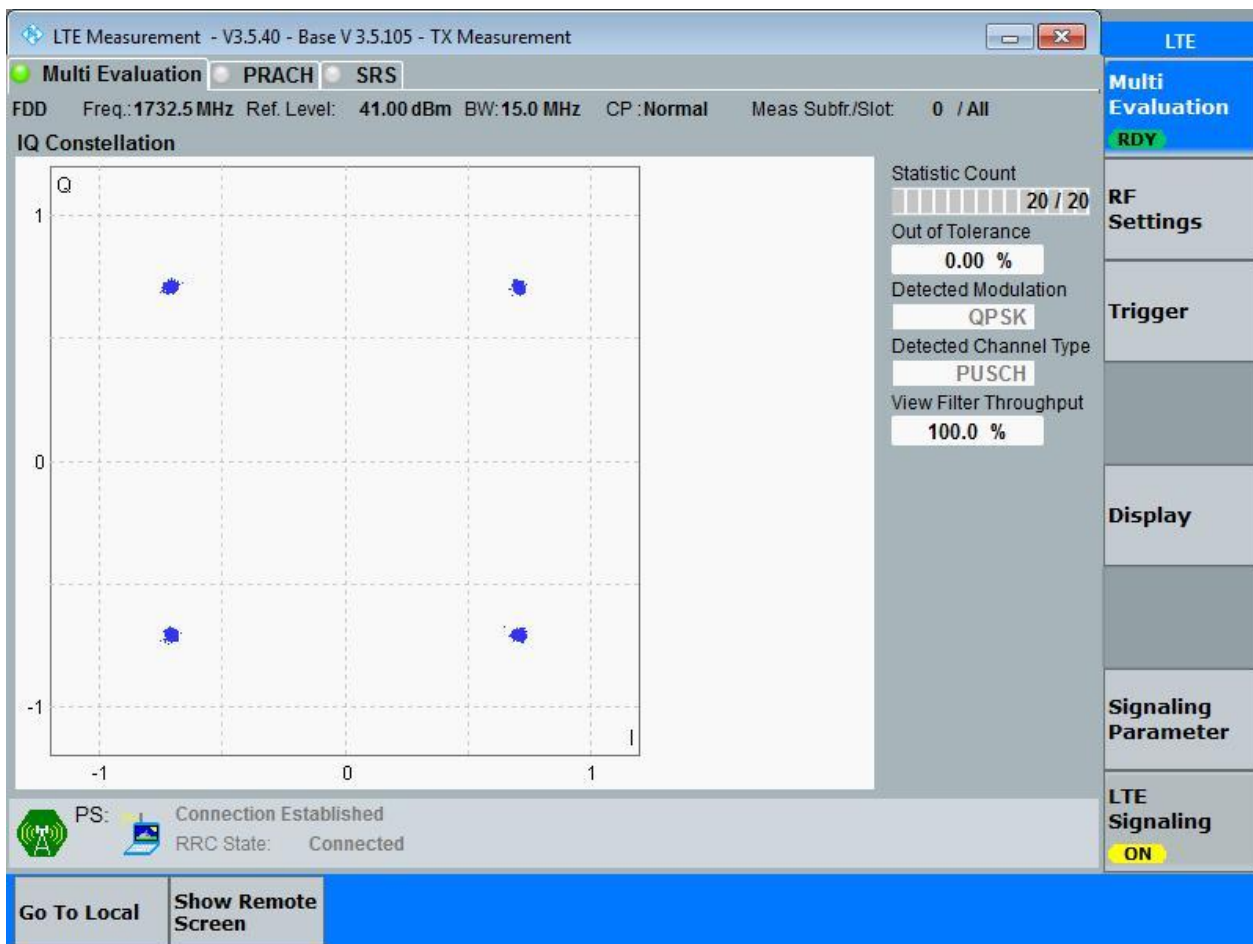
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

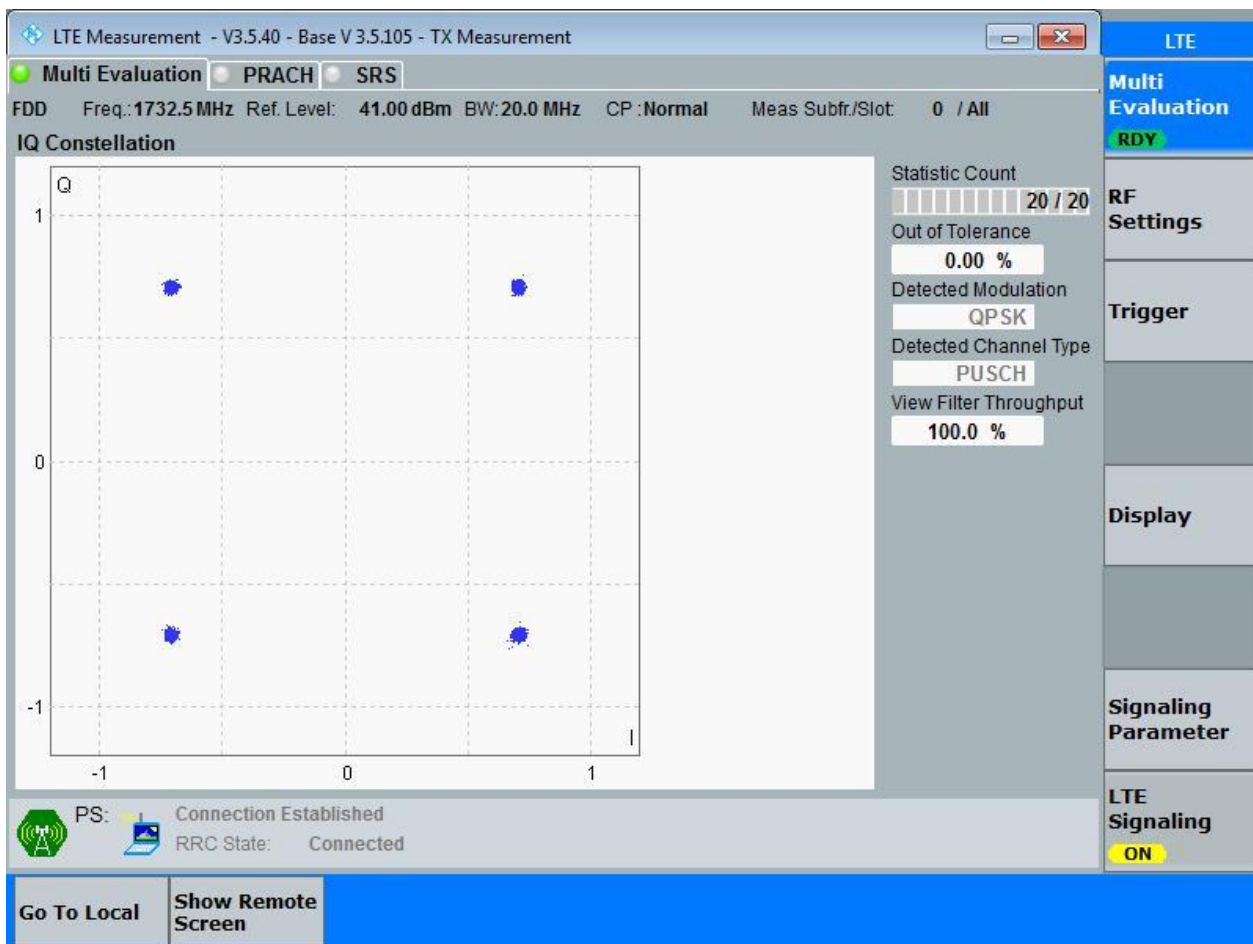
3.1.1.1.5.1.1 Test RB = RB75#0



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

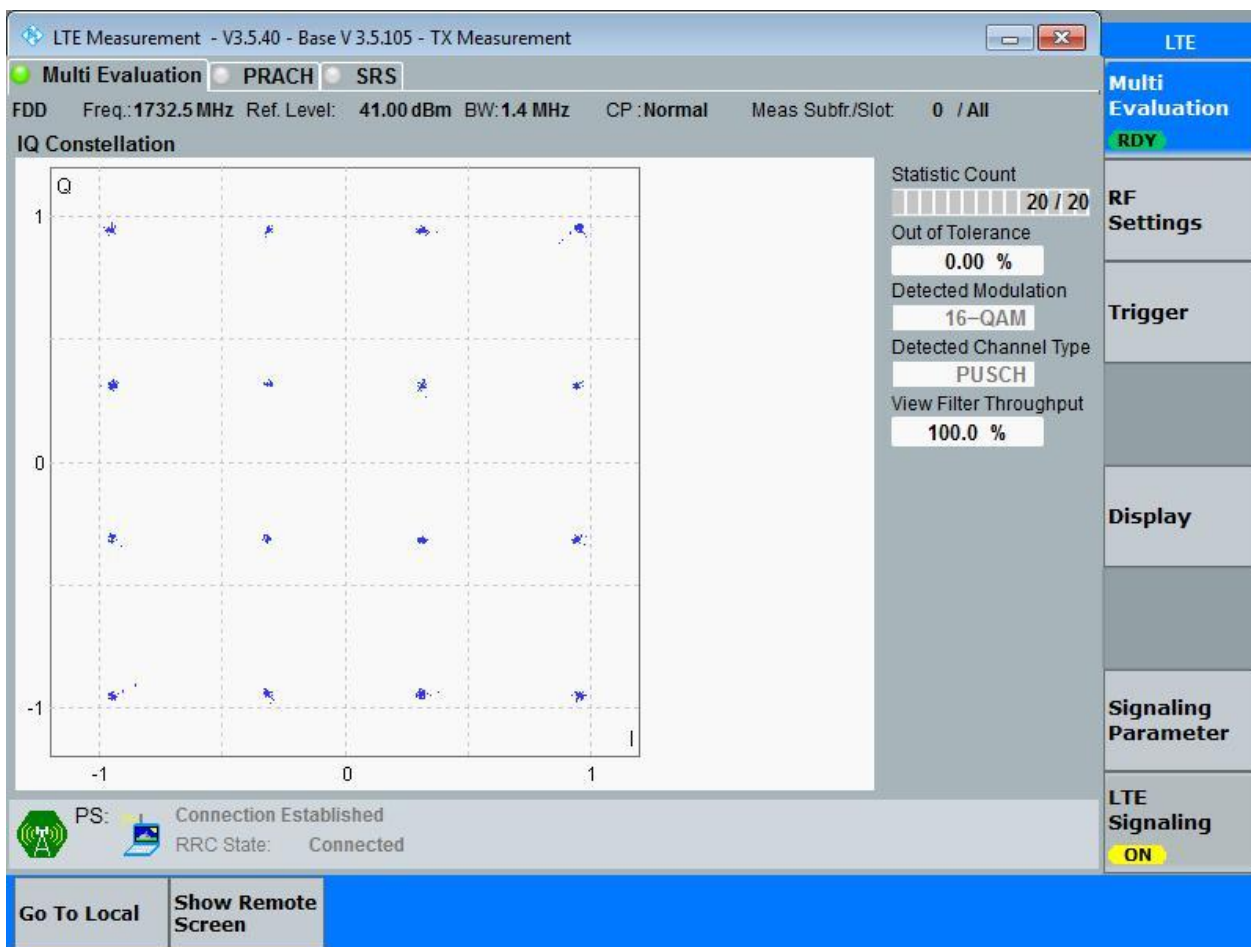


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

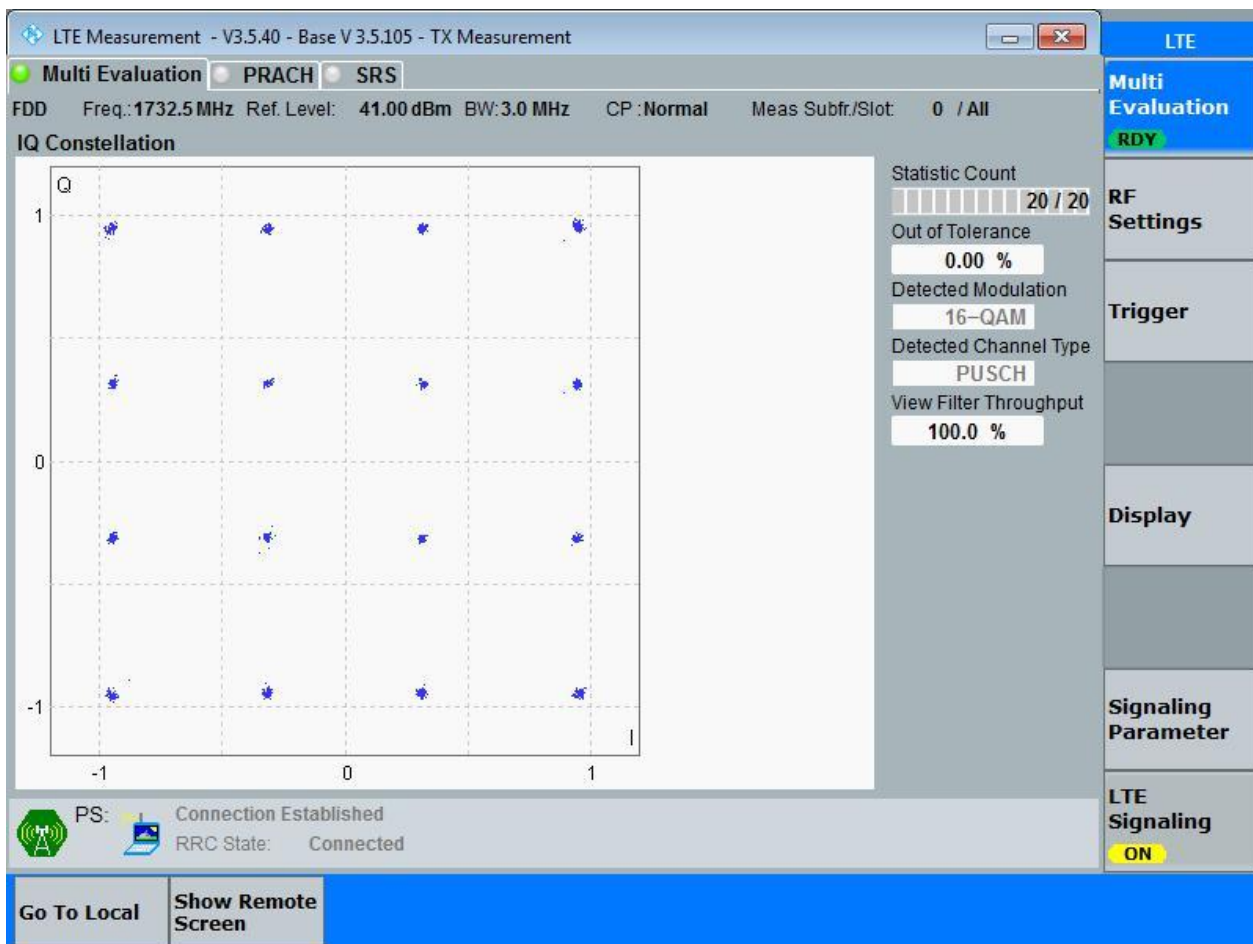
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

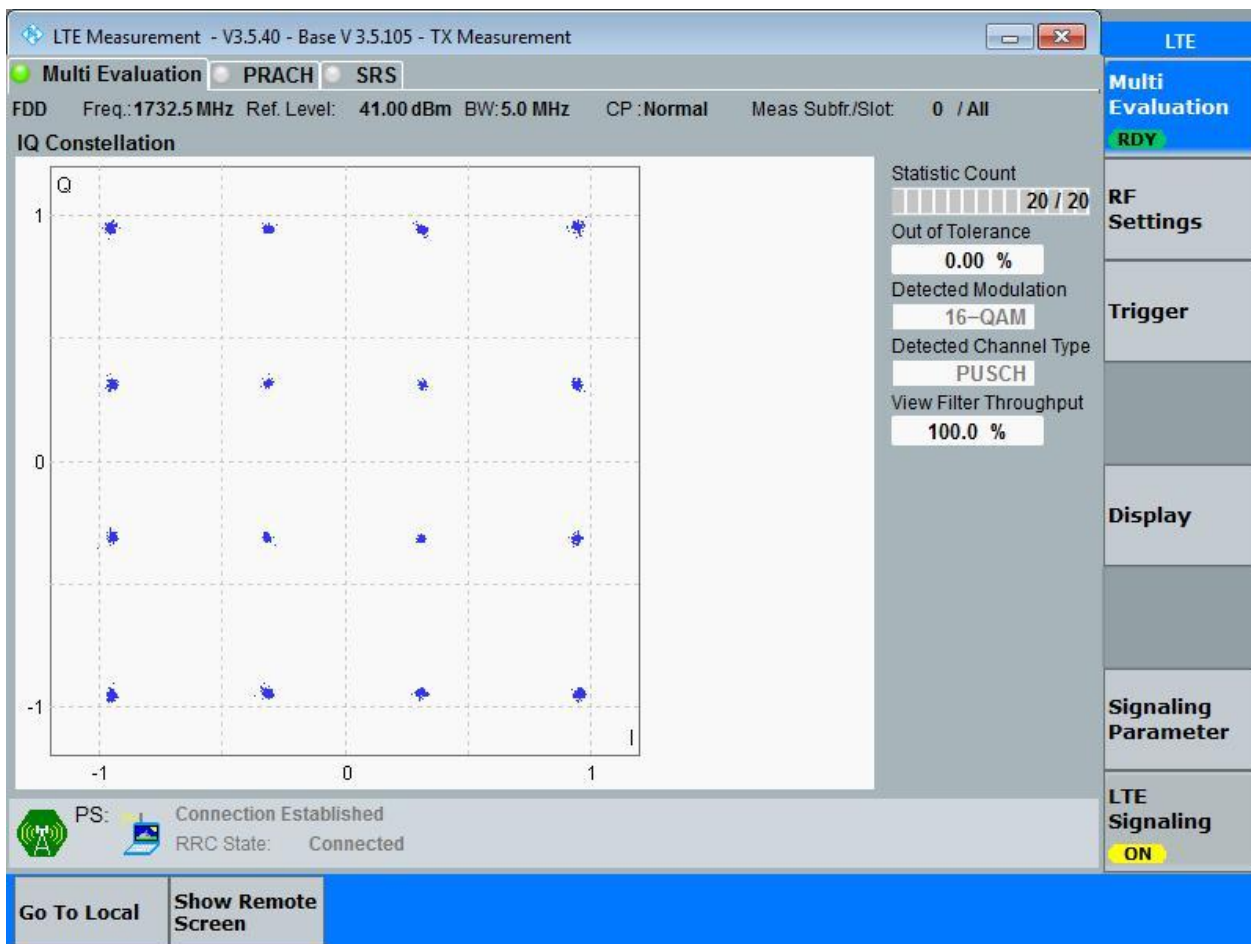
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

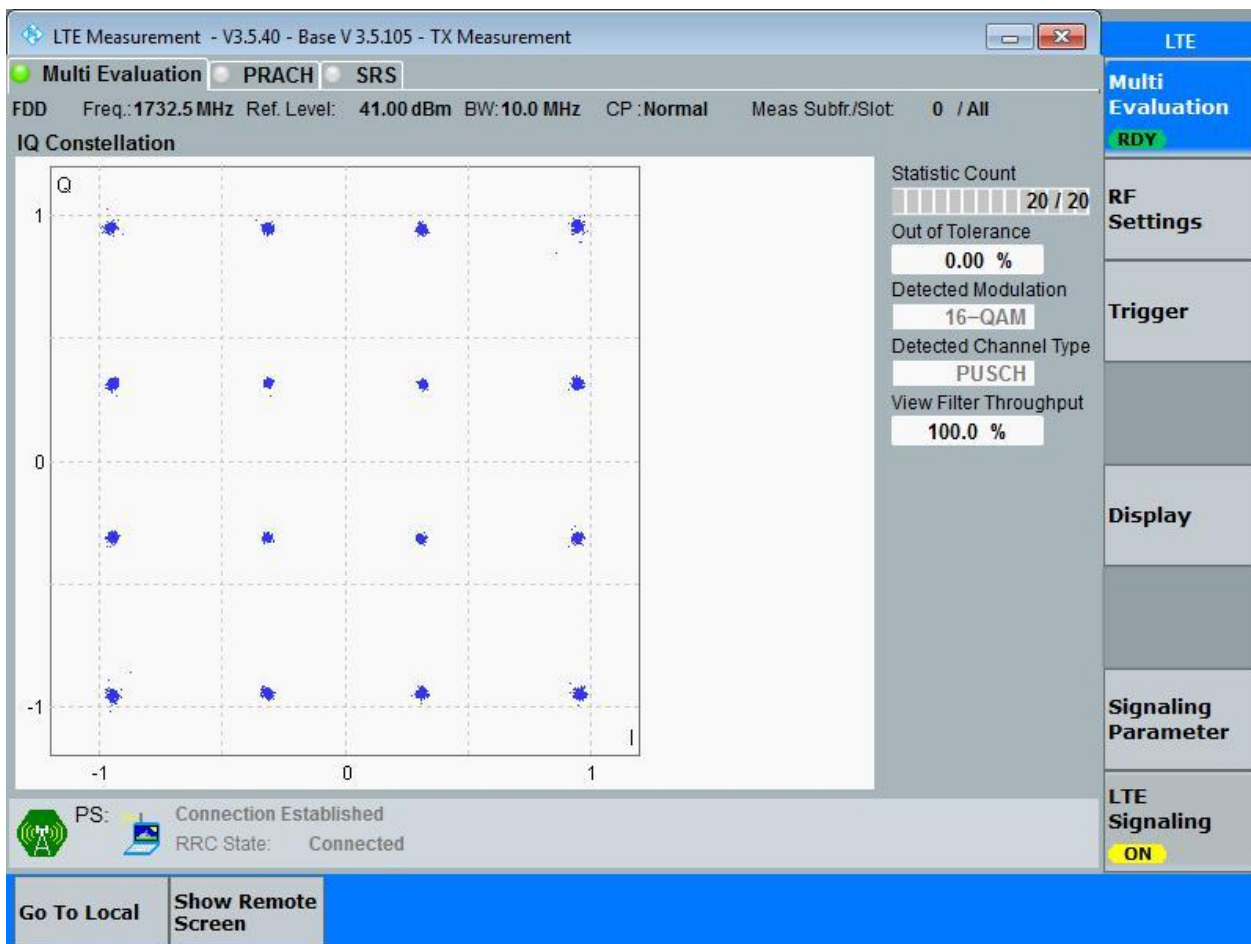
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

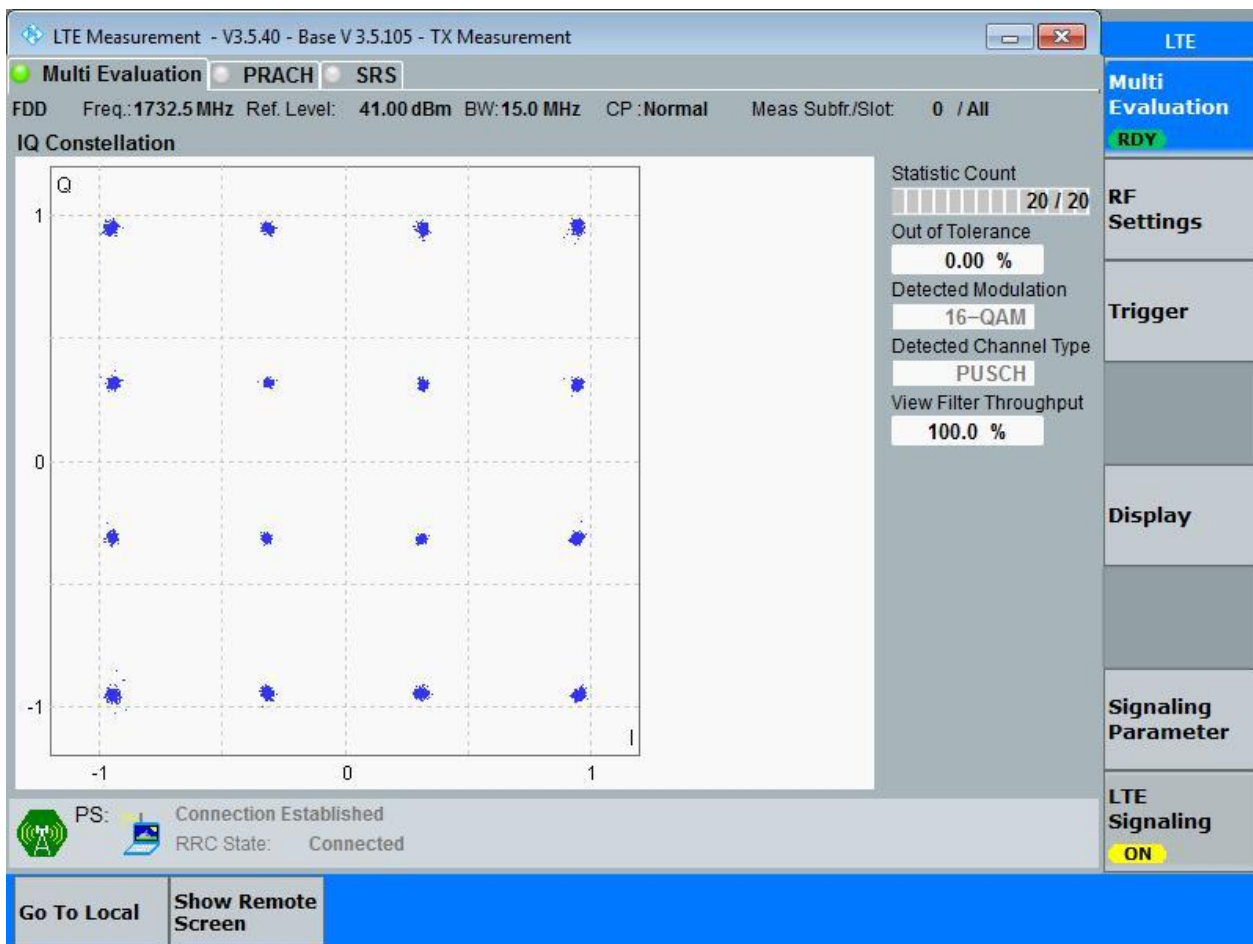
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

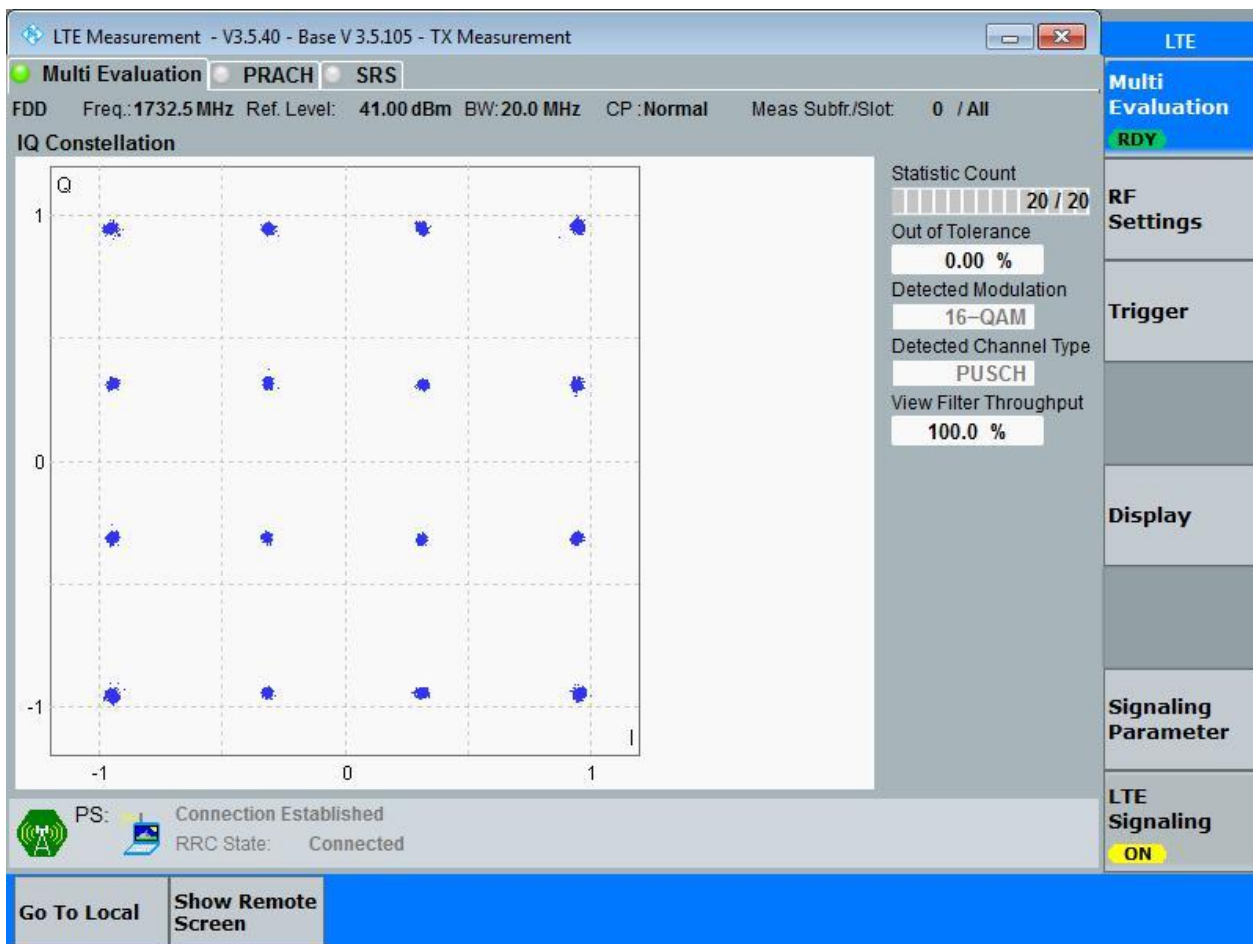
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.23	Pass
		3	LCH	RB15#0	2.71	2.95	Pass
			MCH	RB15#0	2.71	2.95	Pass
			HCH	RB15#0	2.71	2.94	Pass
		5	LCH	RB25#0	4.50	4.88	Pass
			MCH	RB25#0	4.50	4.84	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.99	9.64	Pass
			MCH	RB50#0	8.98	9.59	Pass
			HCH	RB50#0	8.98	9.58	Pass
		15	LCH	RB75#0	13.48	14.34	Pass
			MCH	RB75#0	13.48	14.37	Pass
			HCH	RB75#0	13.47	14.33	Pass
		20	LCH	RB100#0	17.93	19.09	Pass
			MCH	RB100#0	17.98	19.07	Pass
			HCH	RB100#0	17.96	19.03	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	1.23	Pass
		3	LCH	RB15#0	2.71	2.92	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.71	2.93	Pass
		5	LCH	RB25#0	4.50	4.88	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.50	4.88	Pass
		10	LCH	RB50#0	8.99	9.59	Pass
			MCH	RB50#0	8.99	9.68	Pass
			HCH	RB50#0	8.99	9.61	Pass
		15	LCH	RB75#0	13.48	14.34	Pass
			MCH	RB75#0	13.49	14.43	Pass
			HCH	RB75#0	13.48	14.33	Pass
		20	LCH	RB100#0	17.92	19.04	Pass
			MCH	RB100#0	17.98	19.08	Pass
			HCH	RB100#0	17.95	19.12	Pass



Part II - Test Plots

4.1 For LTE

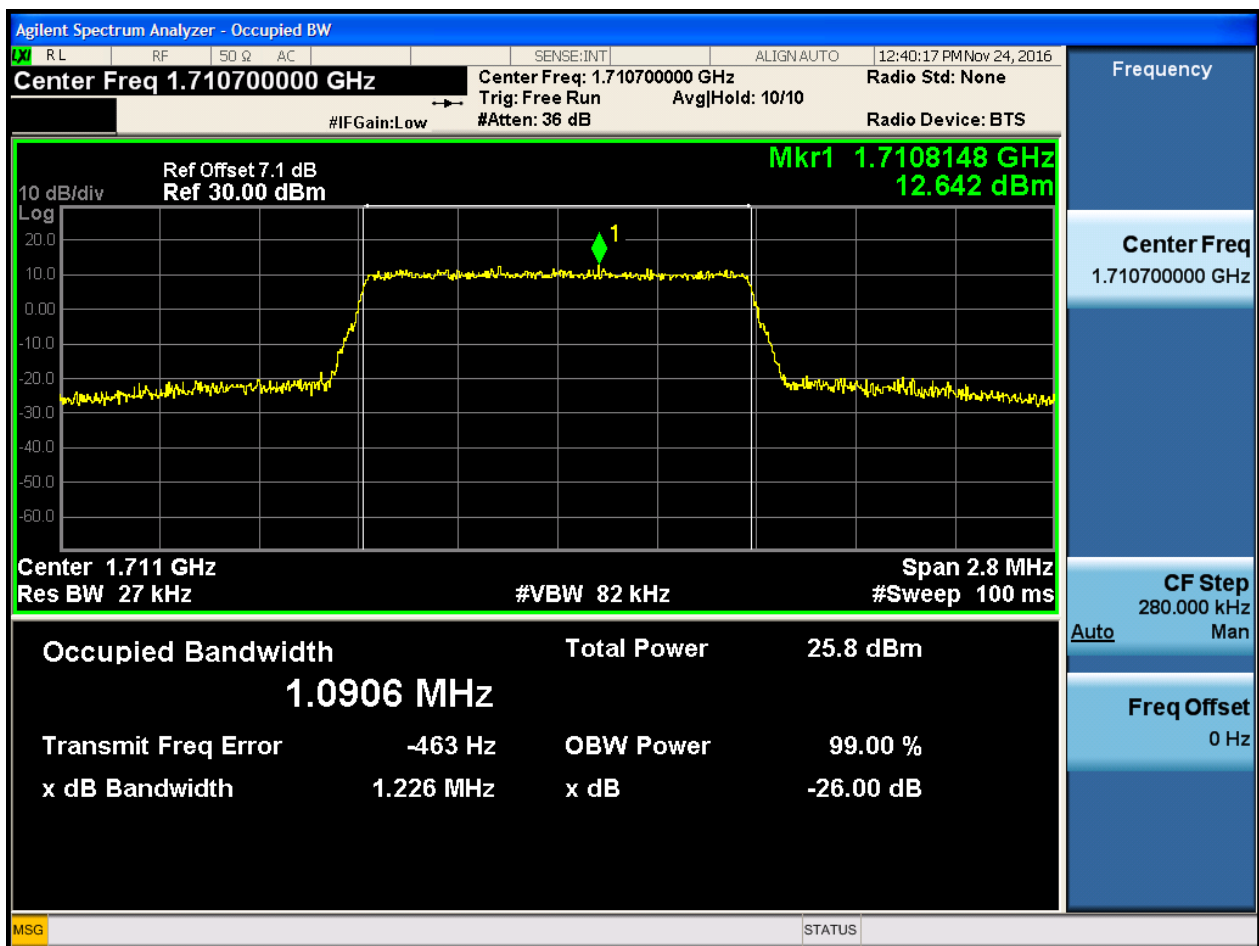
4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

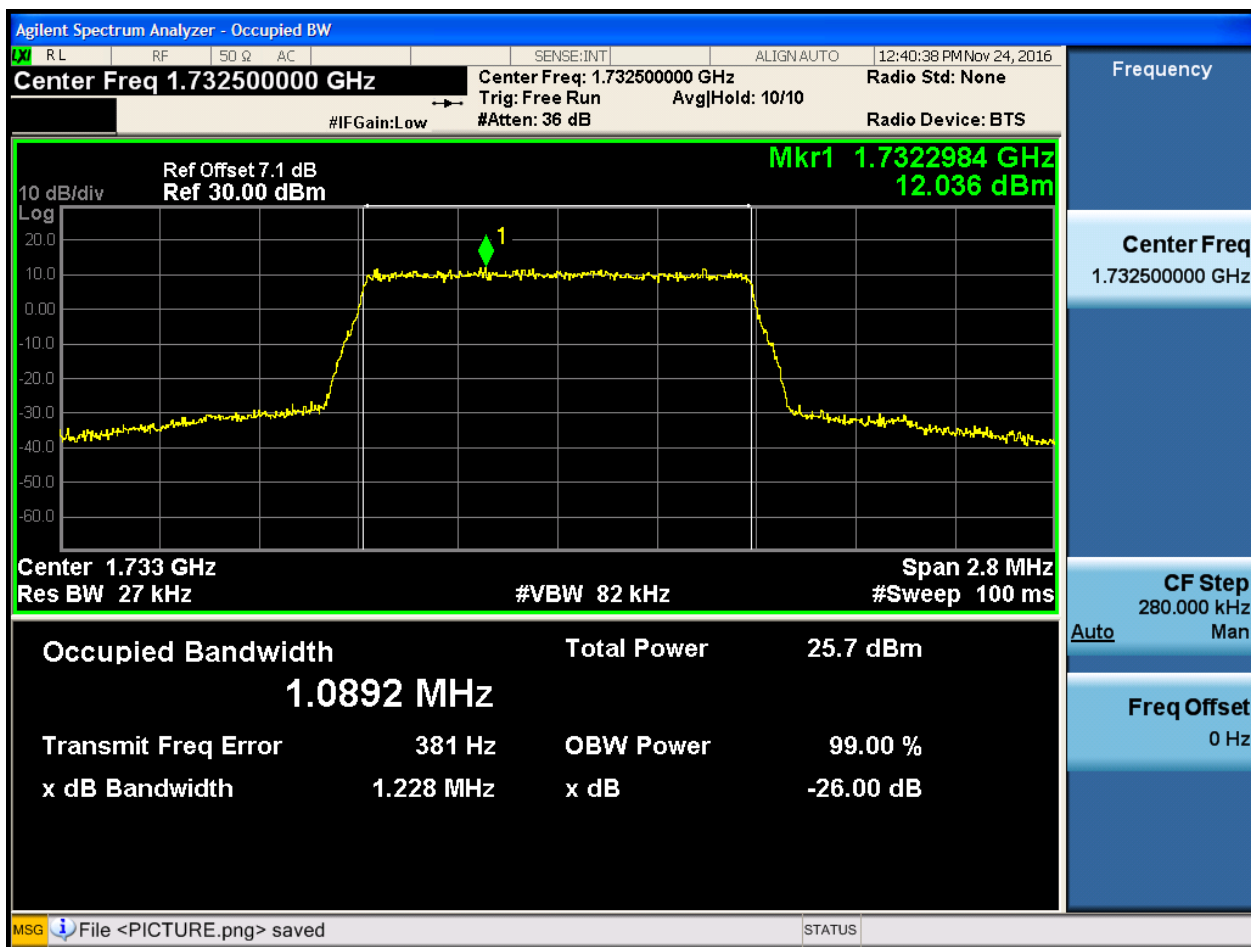
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

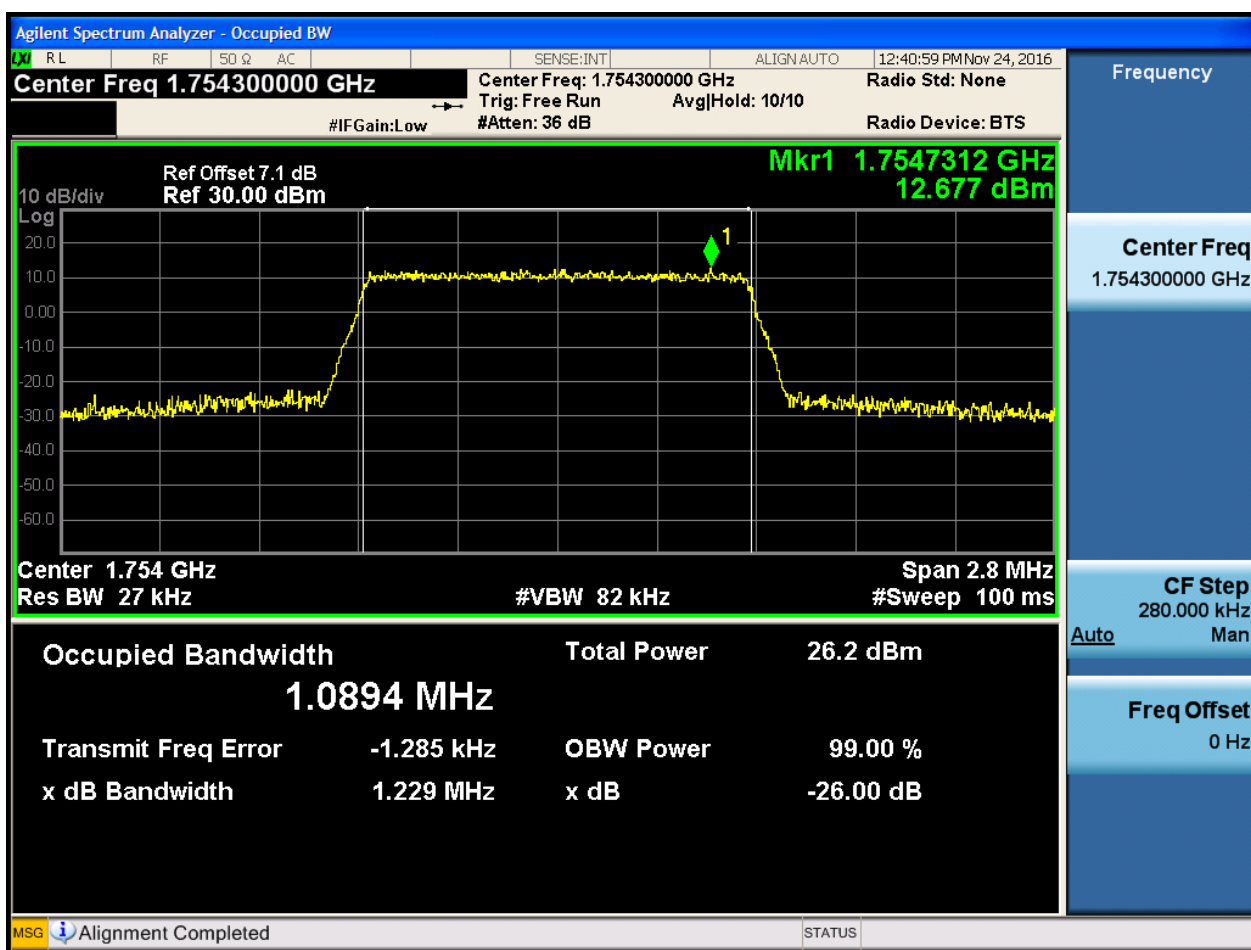
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

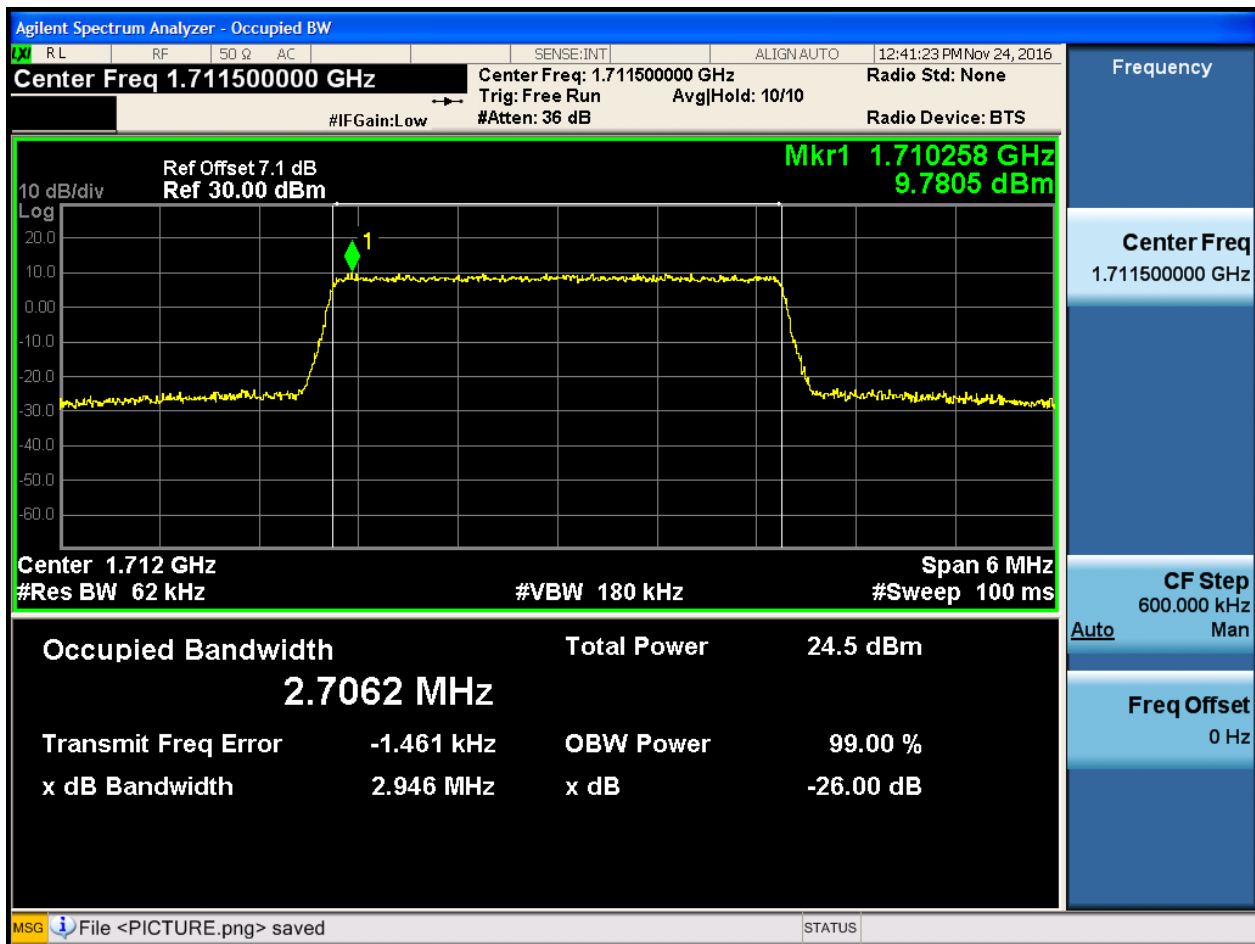




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

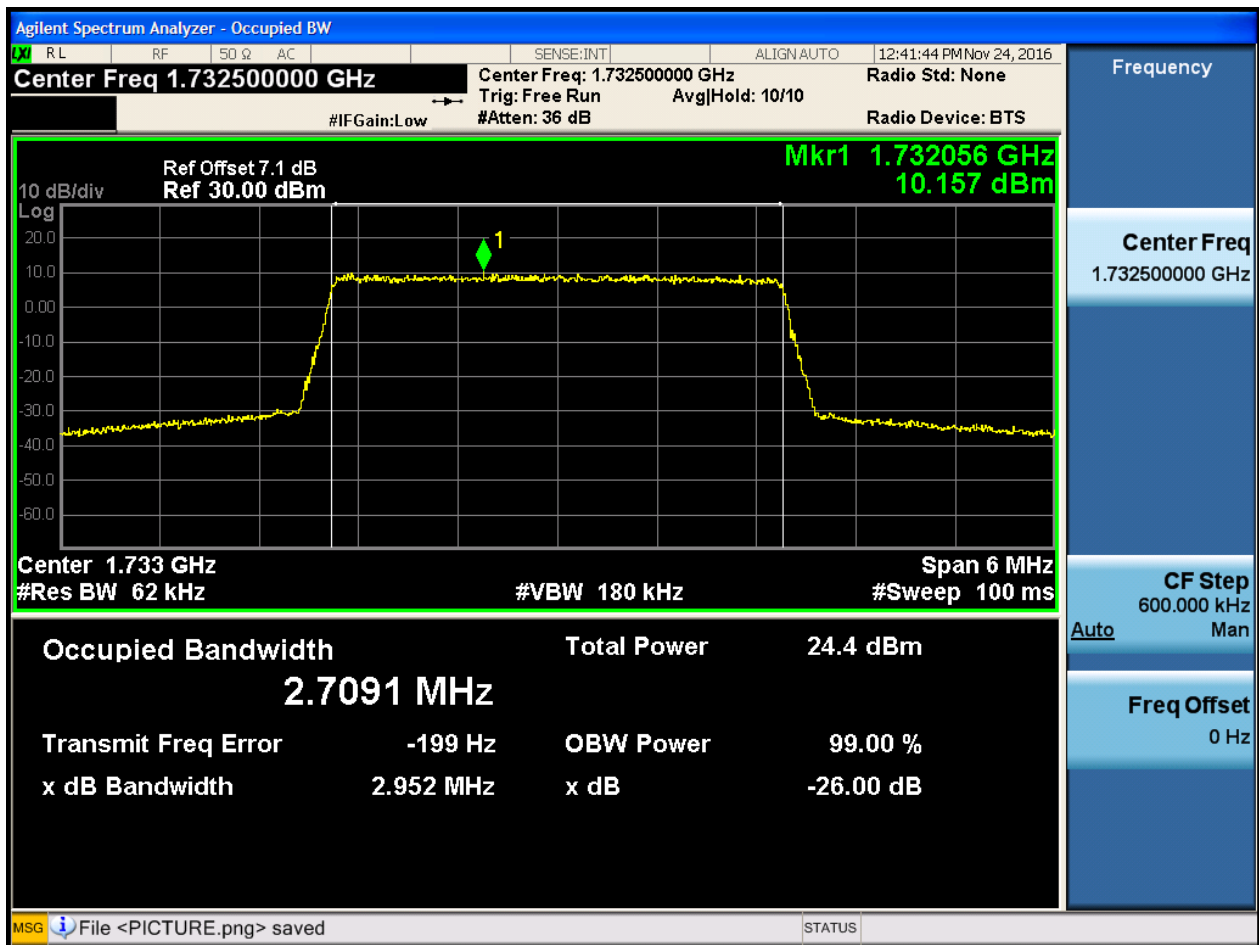
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

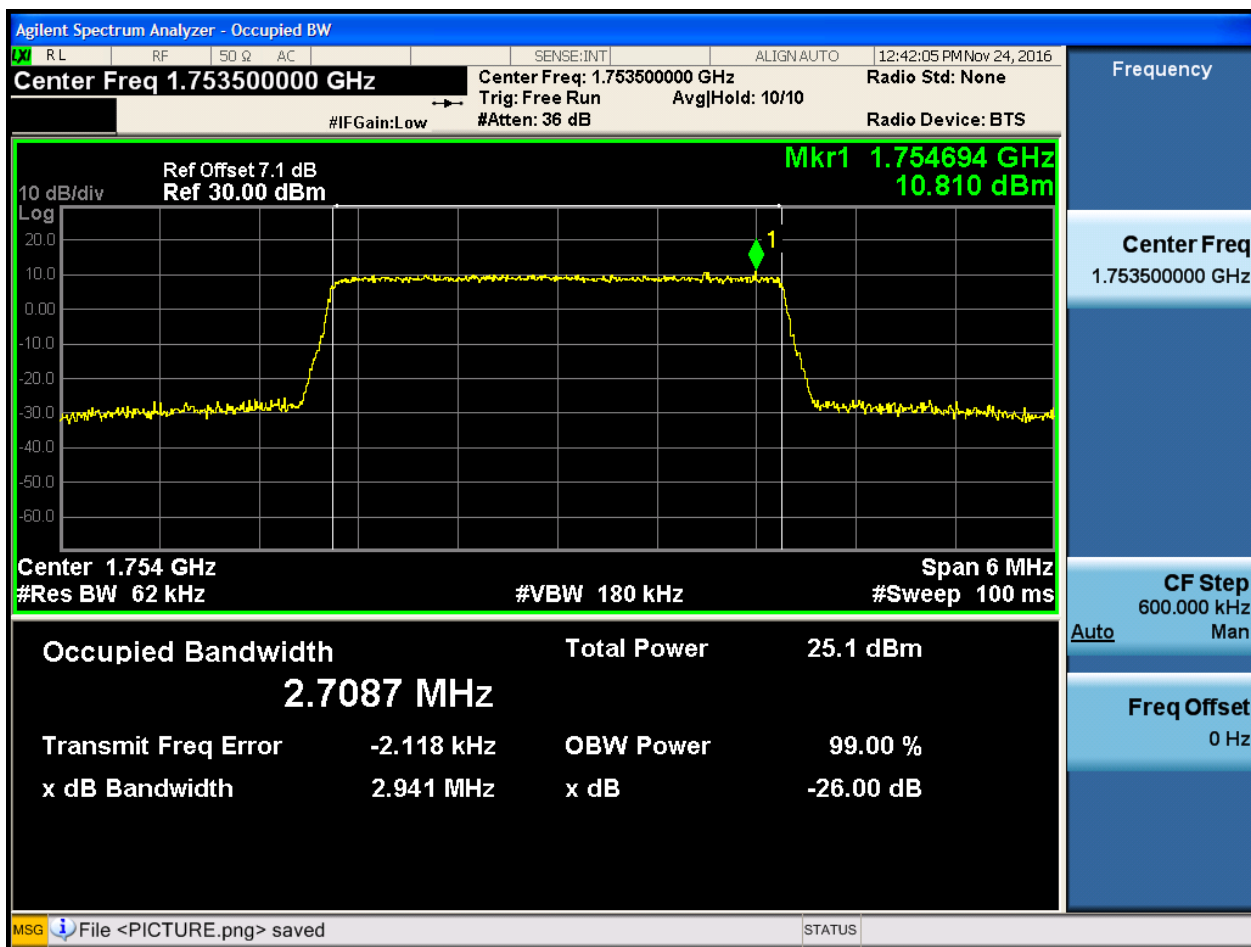
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

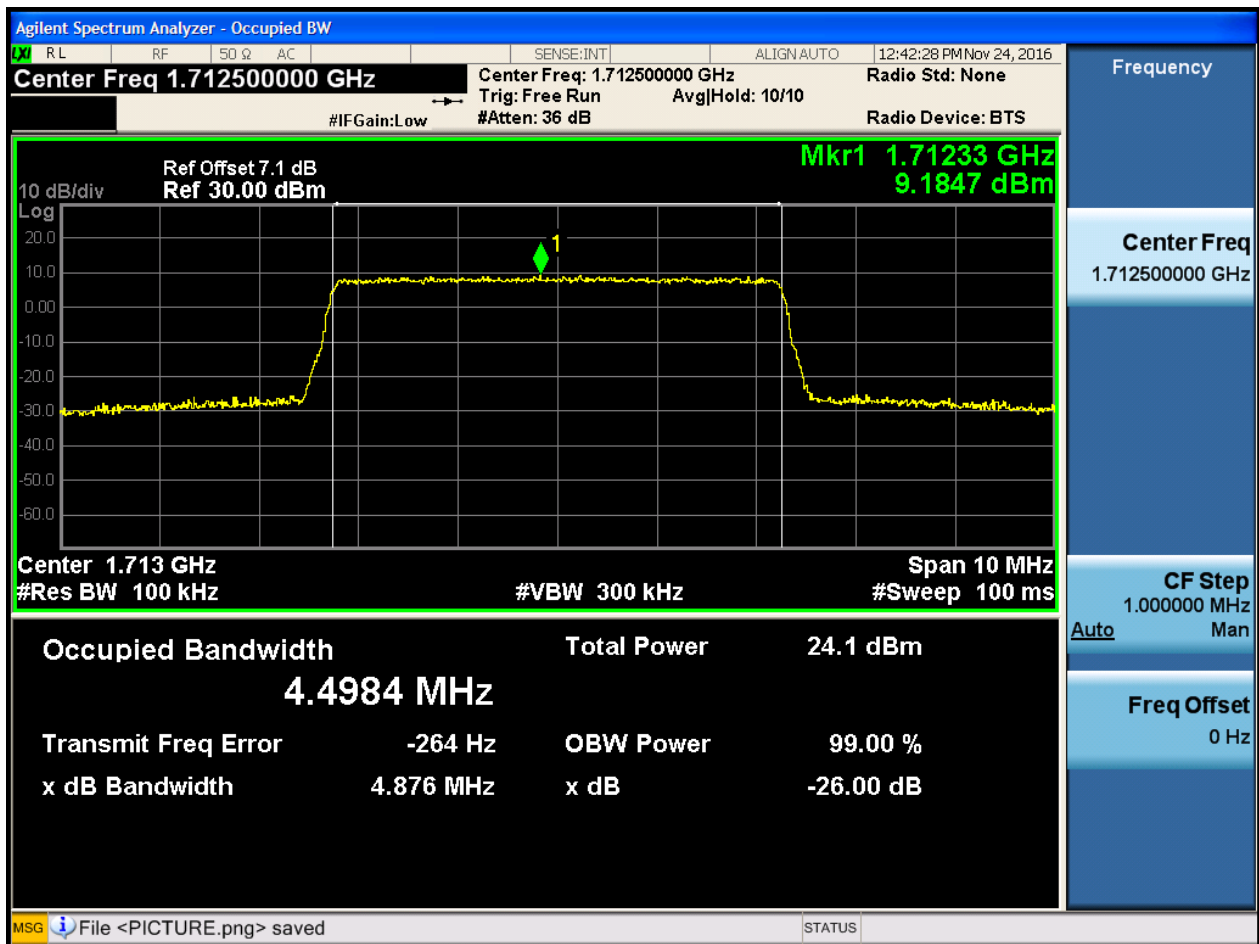




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

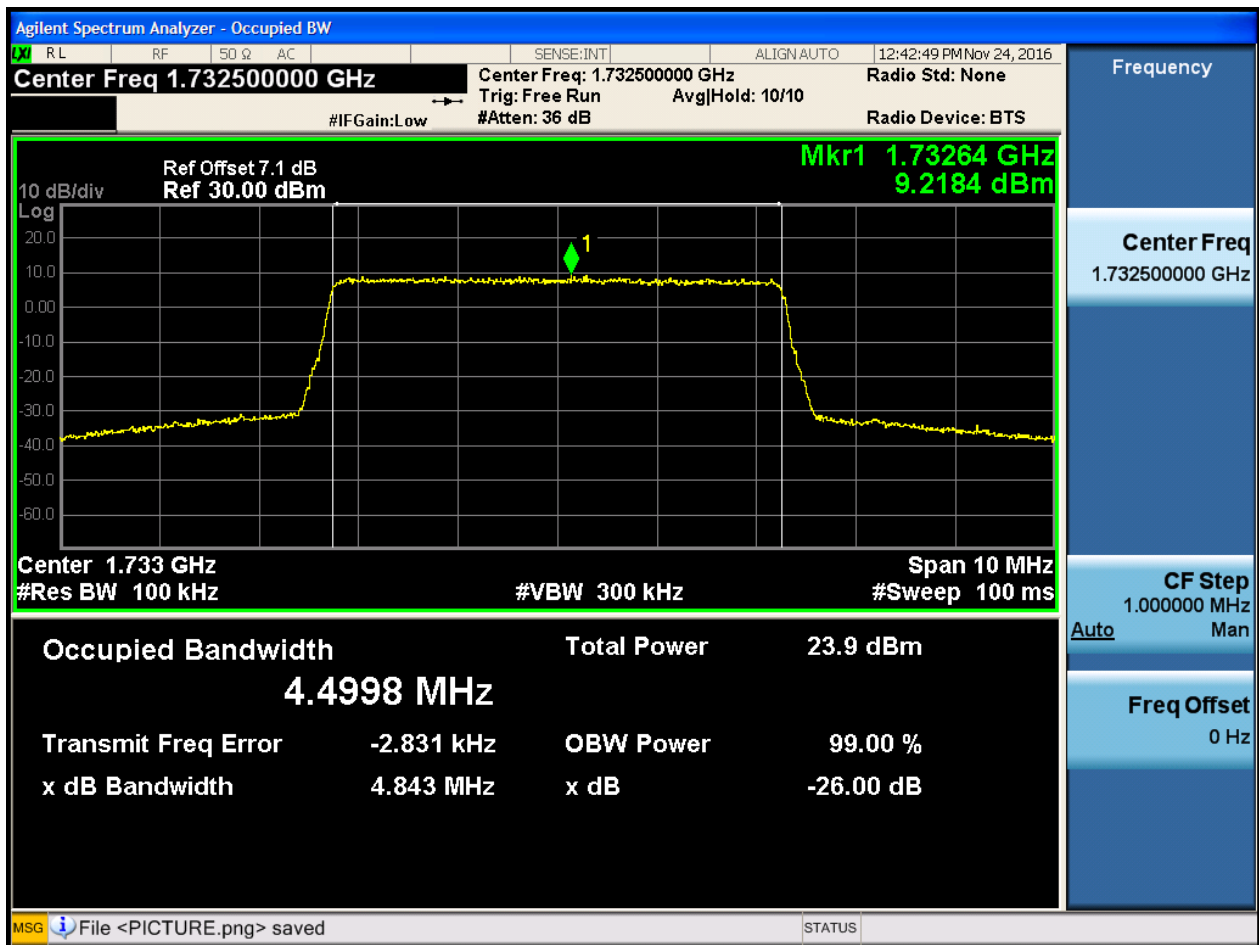
4.1.1.1.3.1.1 Test RB = RB25#0





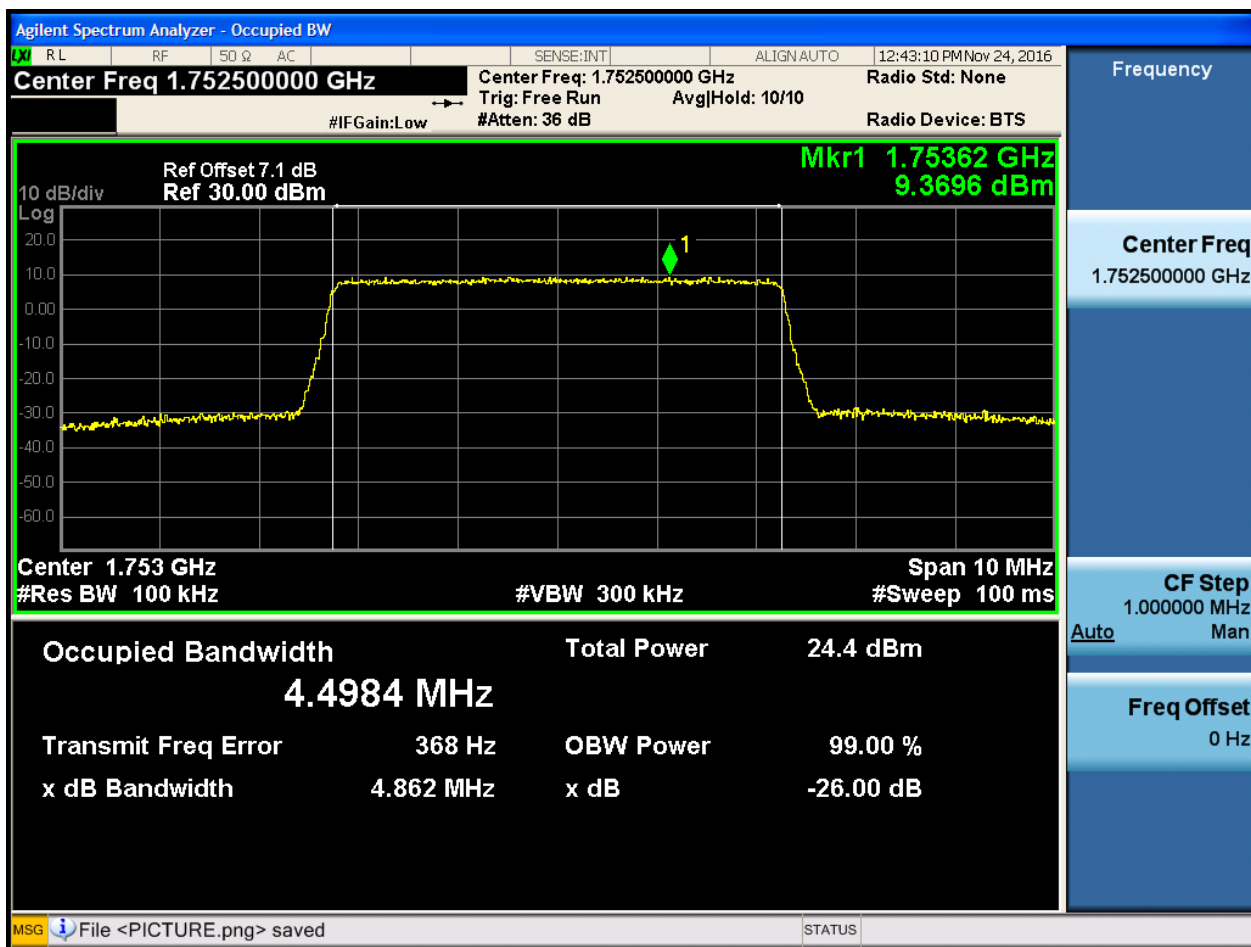
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

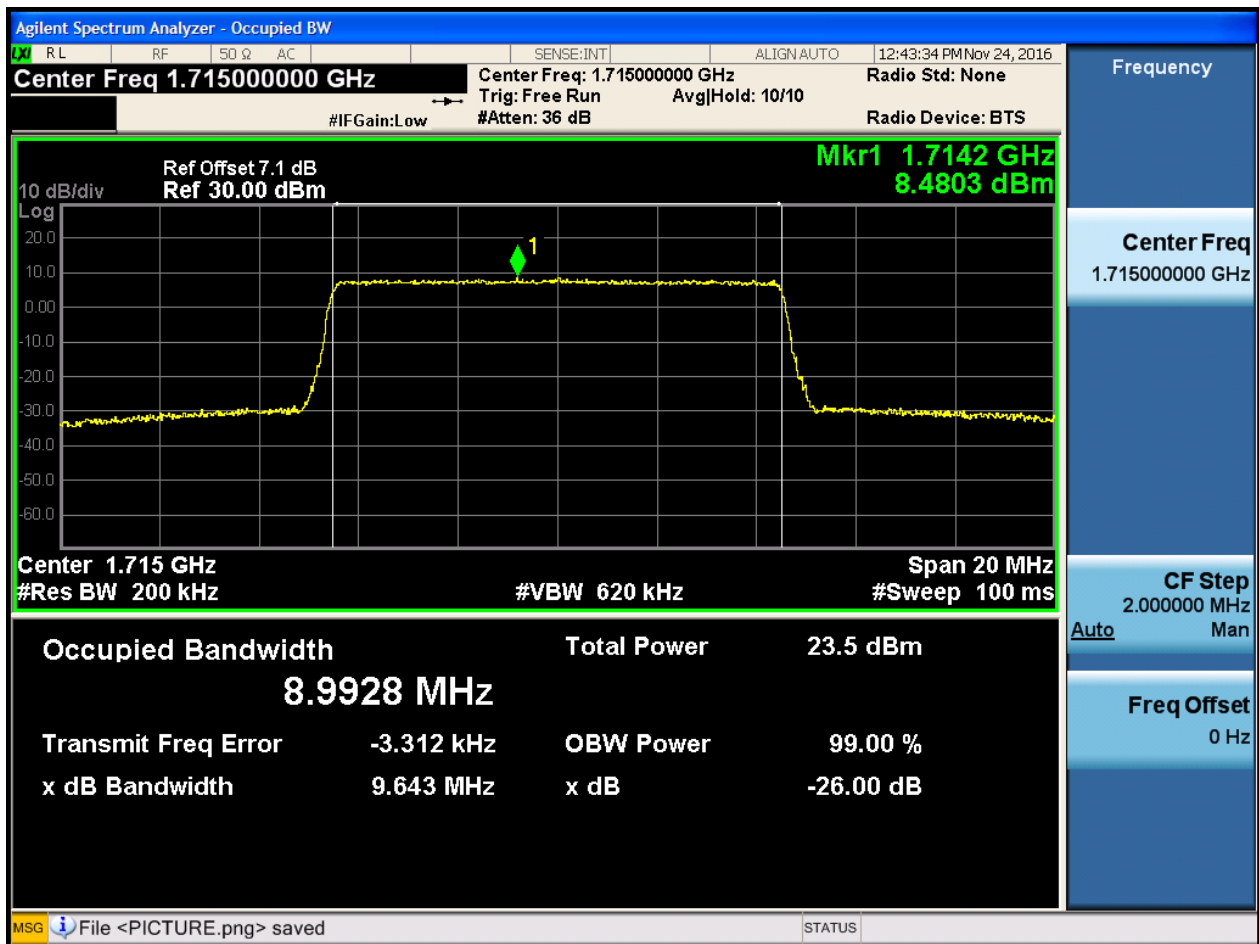




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

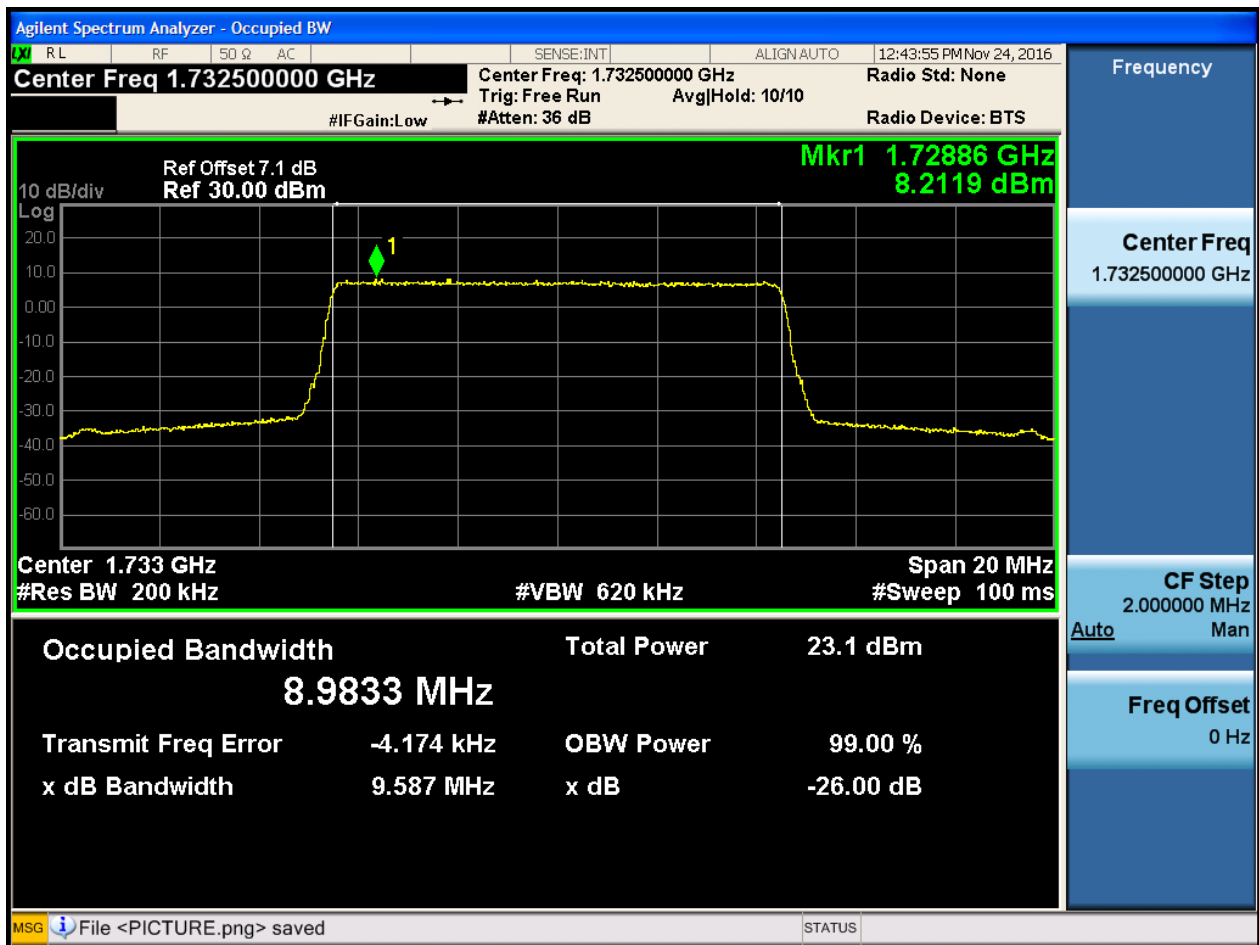
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

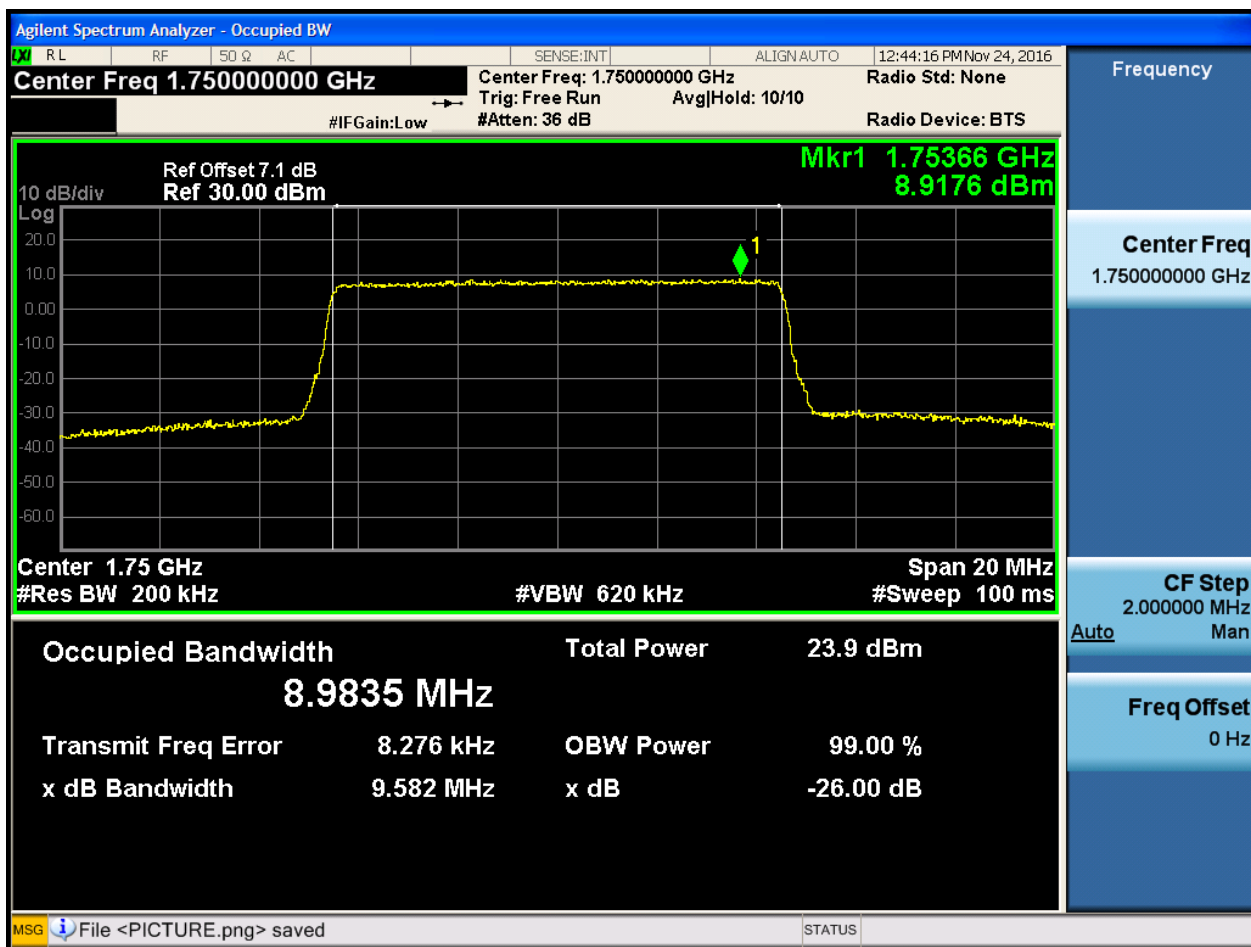
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

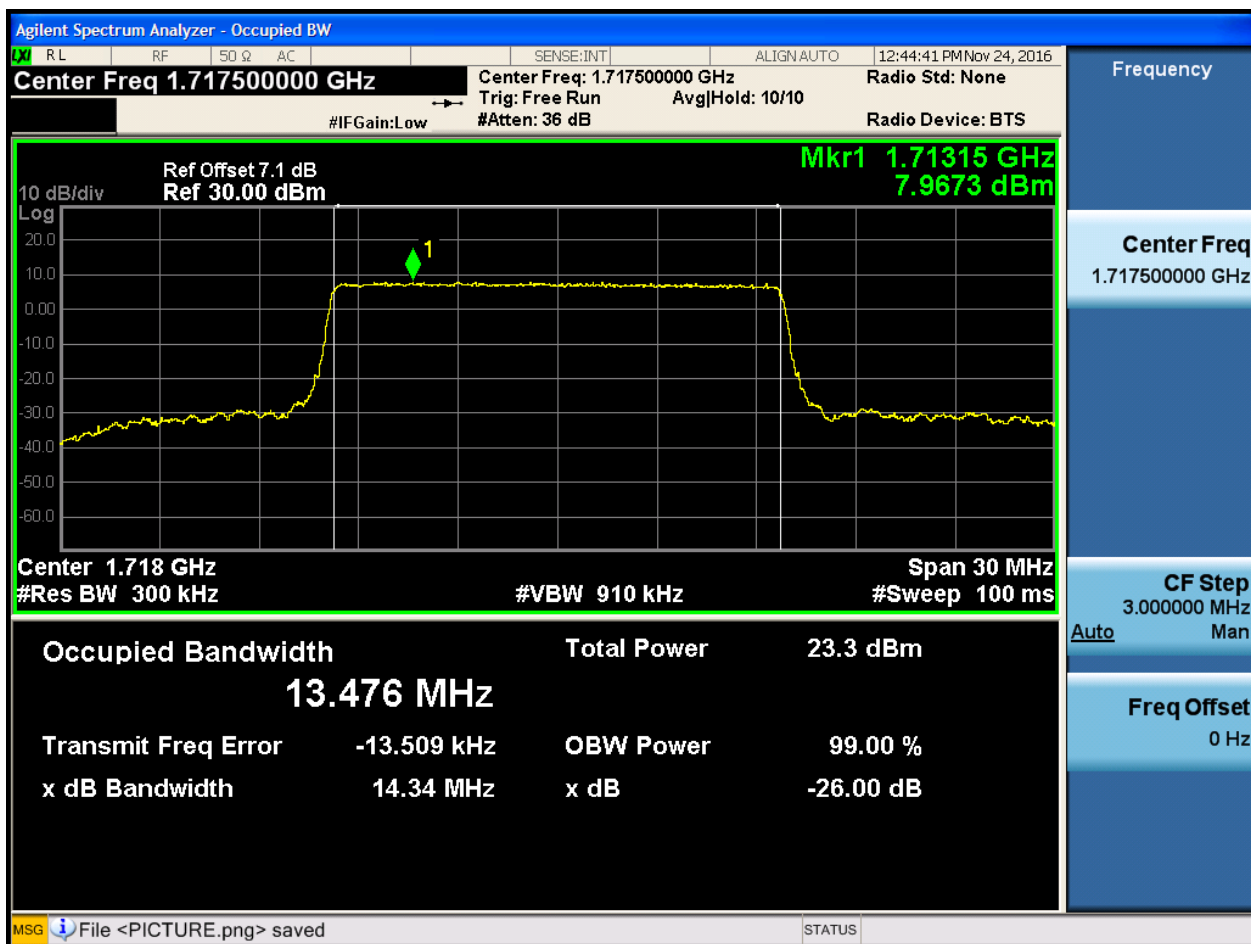




4.1.1.1.5 Test Bandwidth = 15

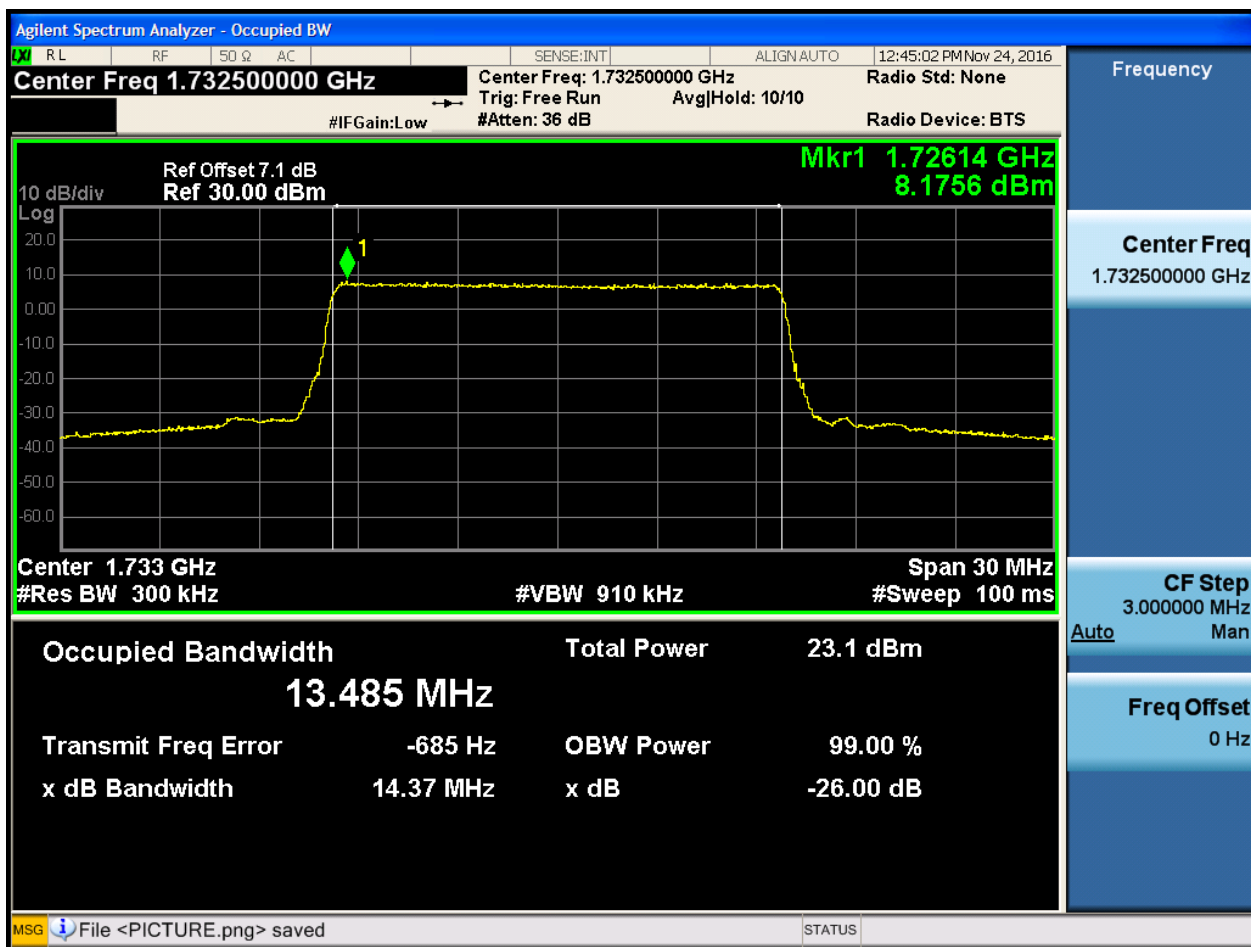
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



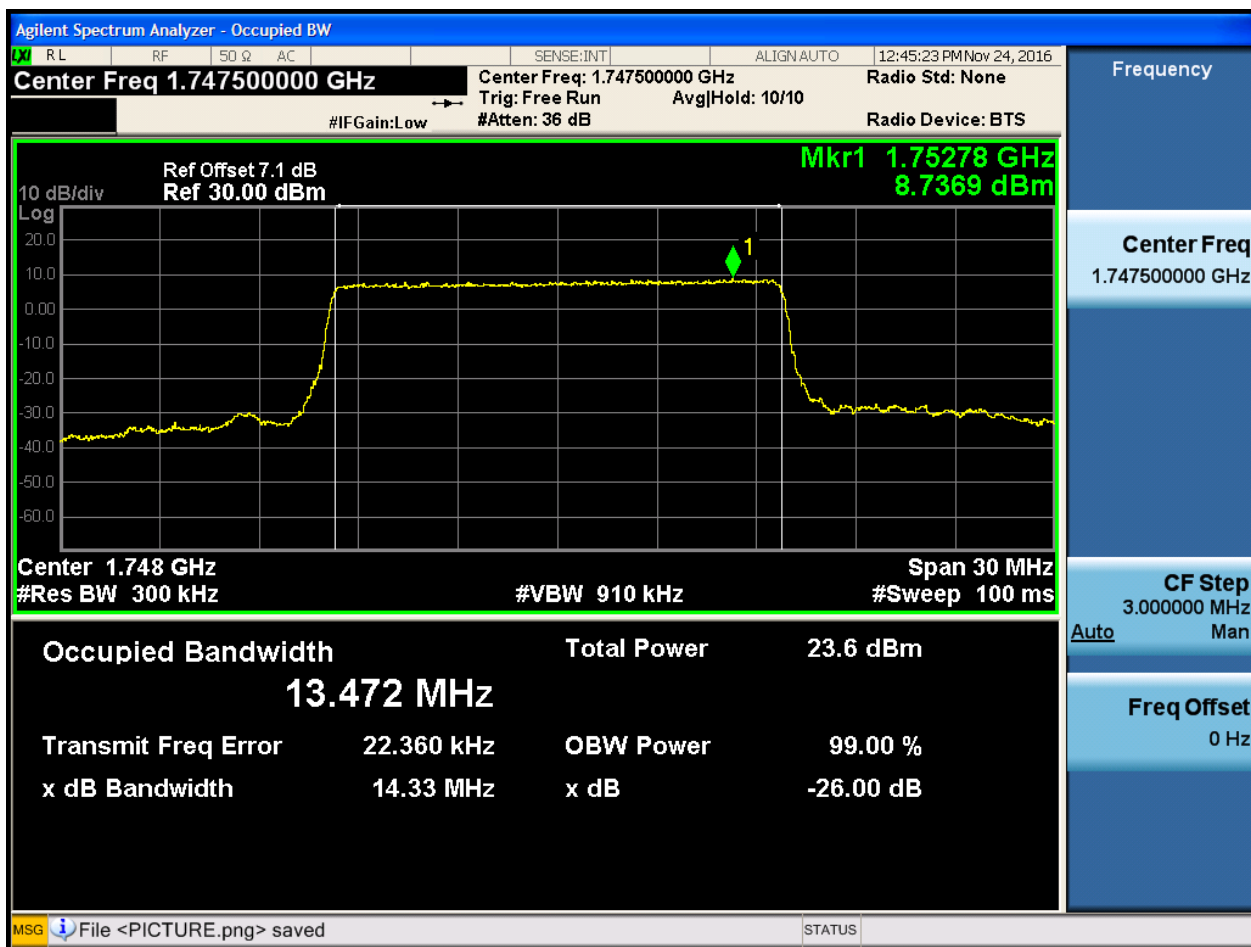
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0



4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

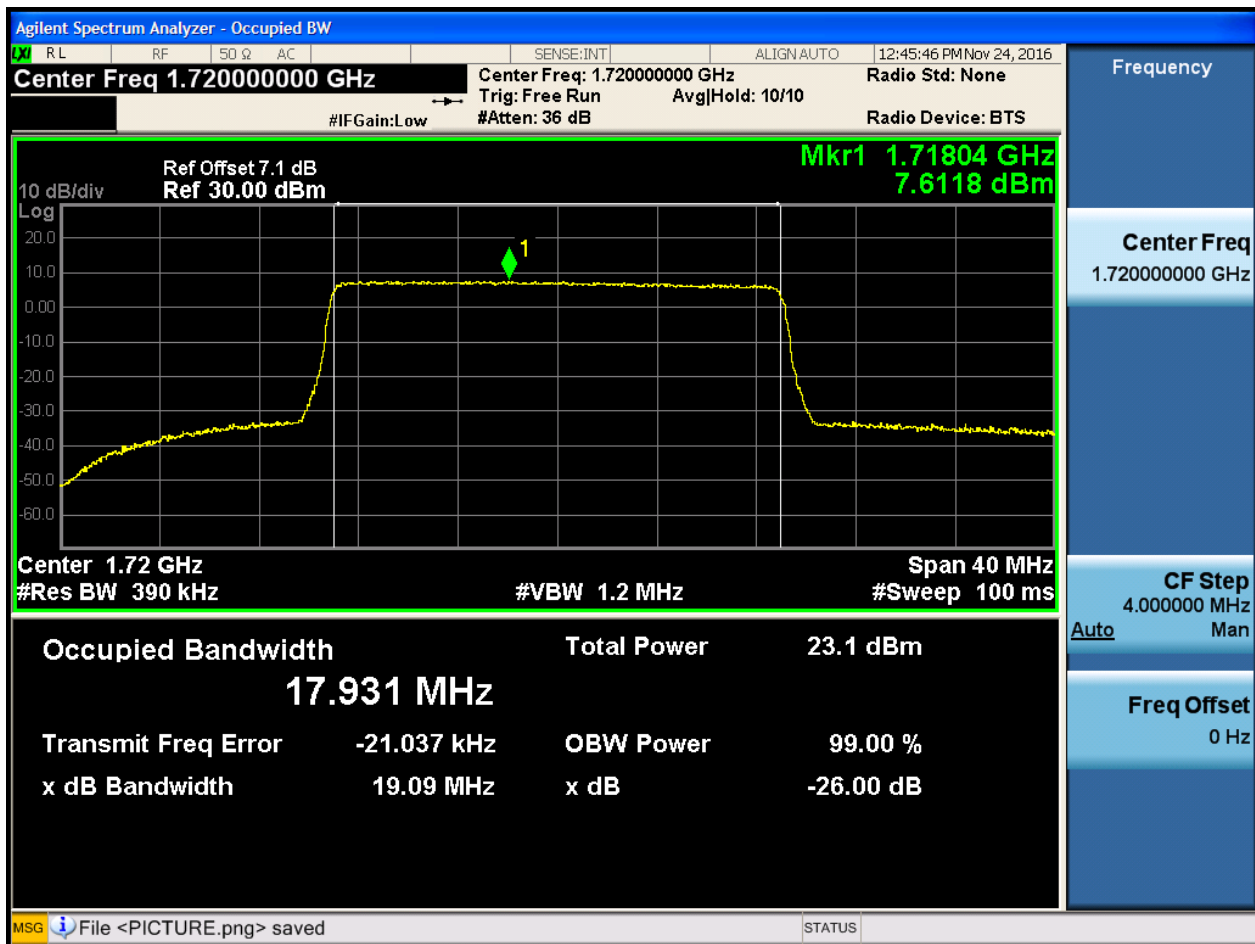




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

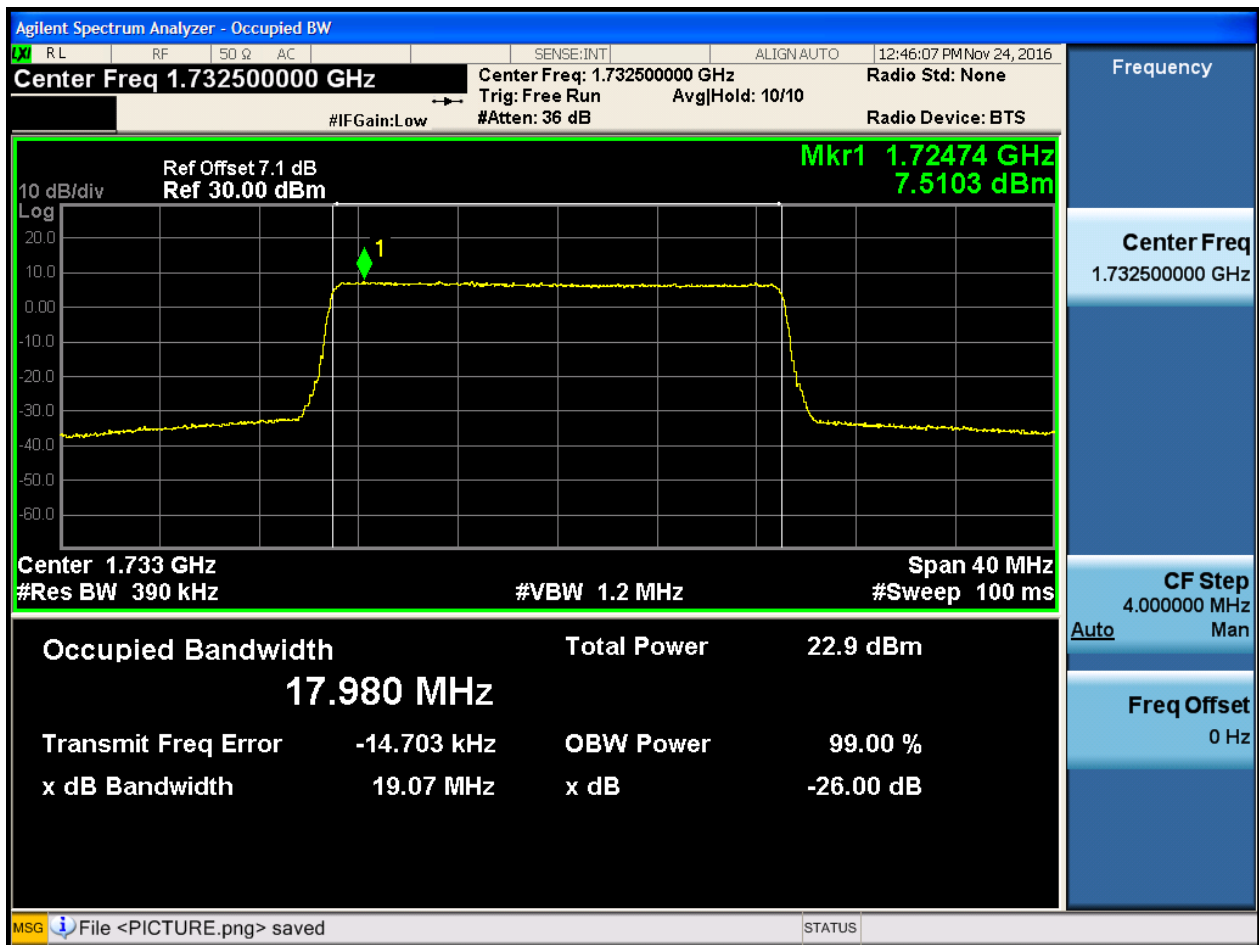
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

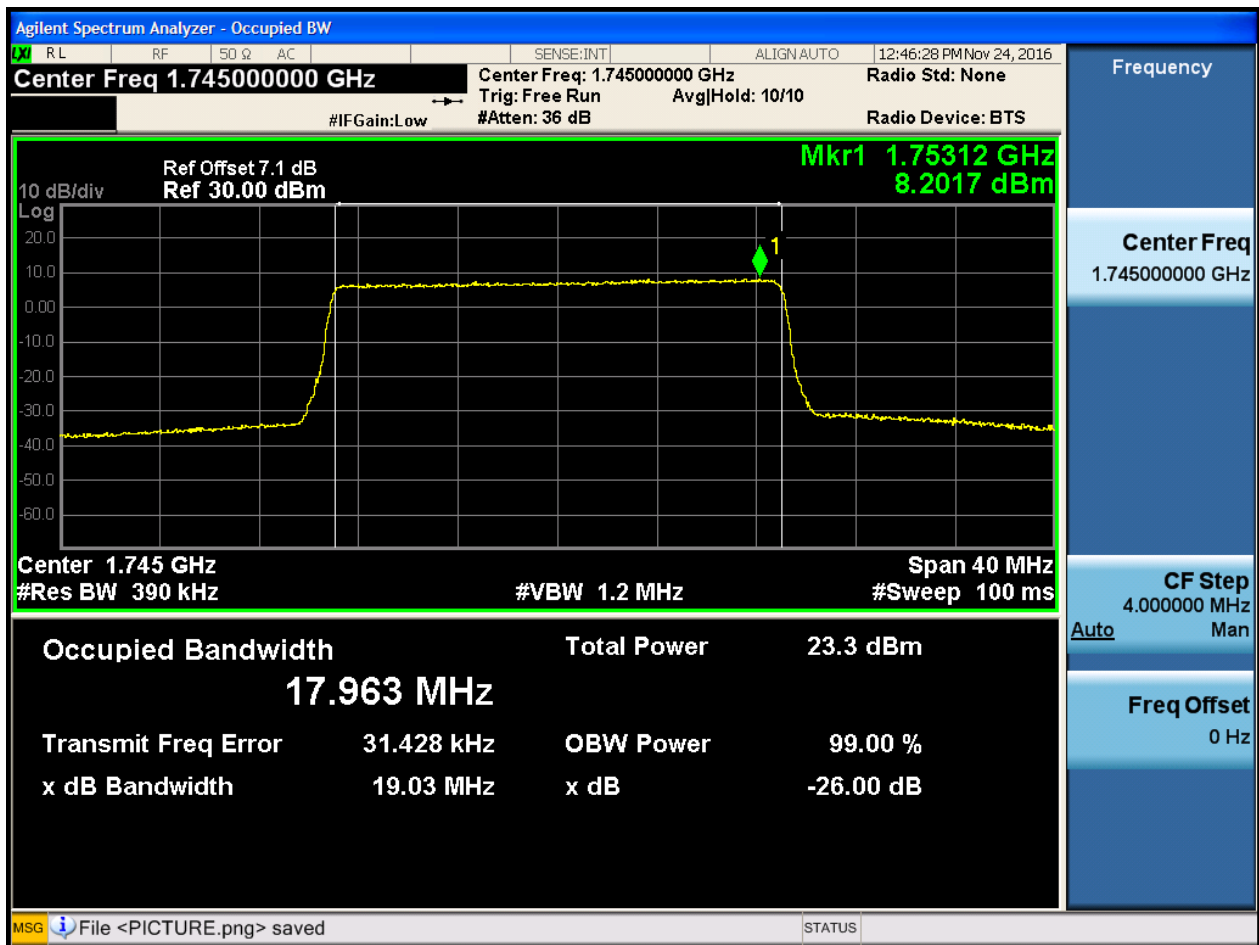
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



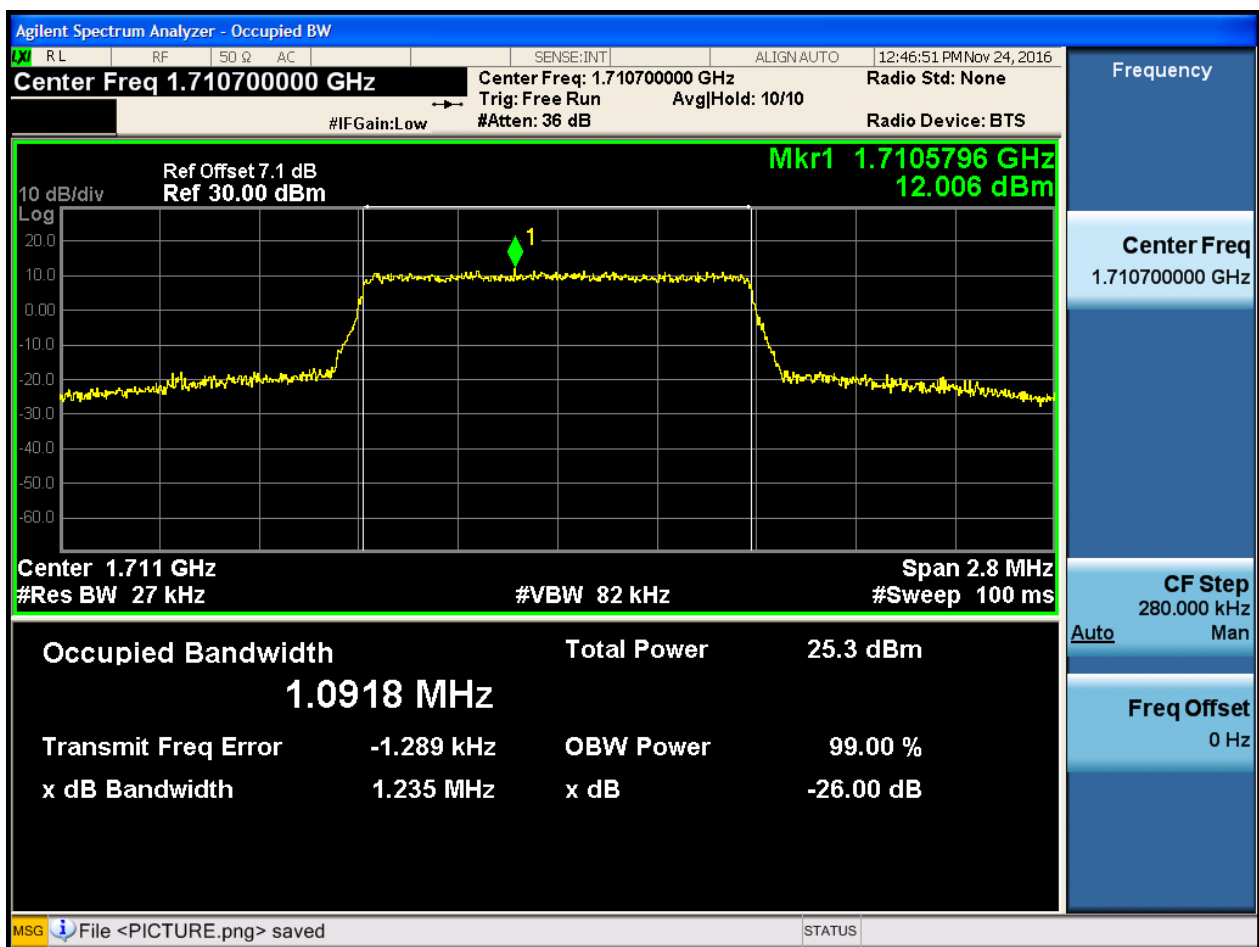


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

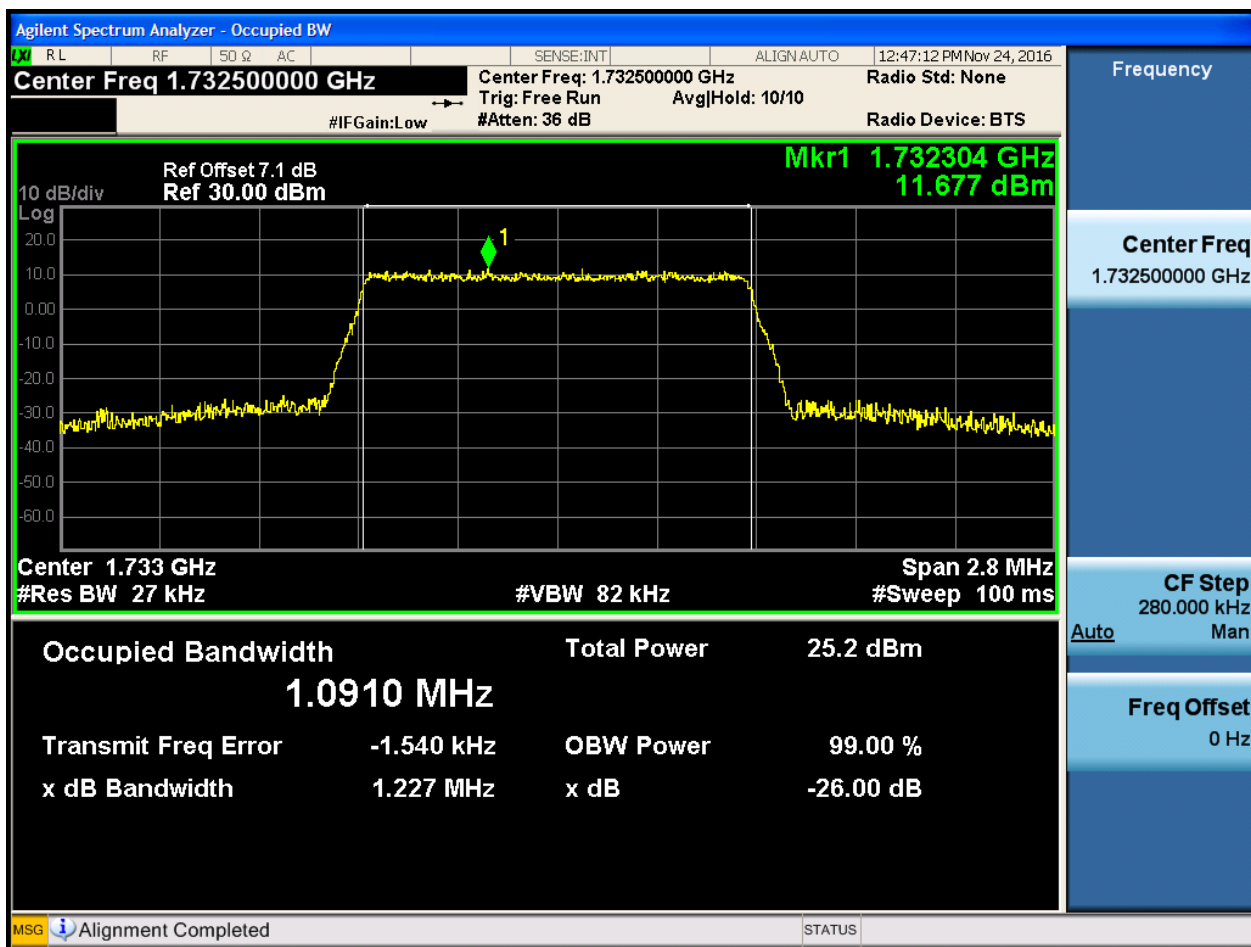
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

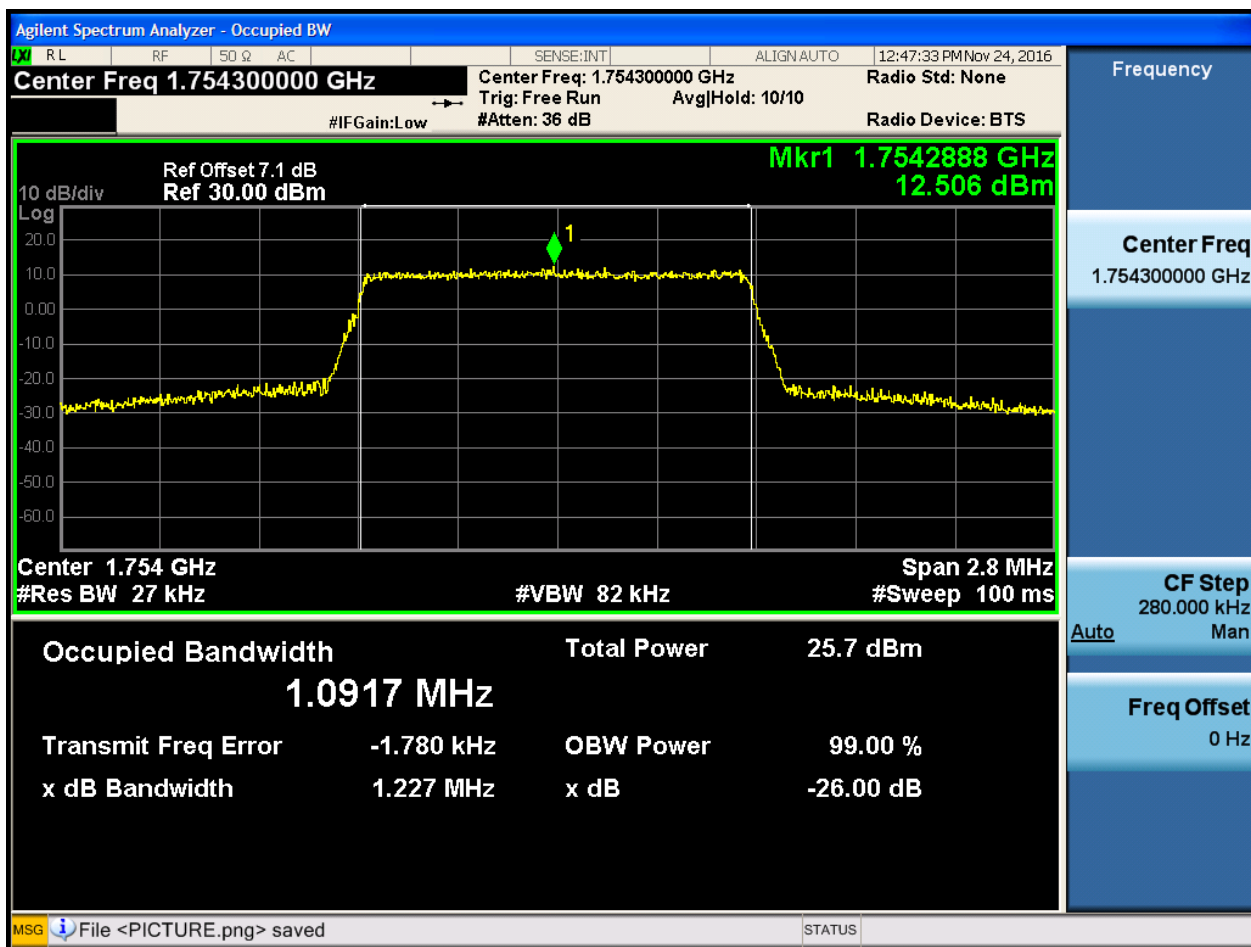
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

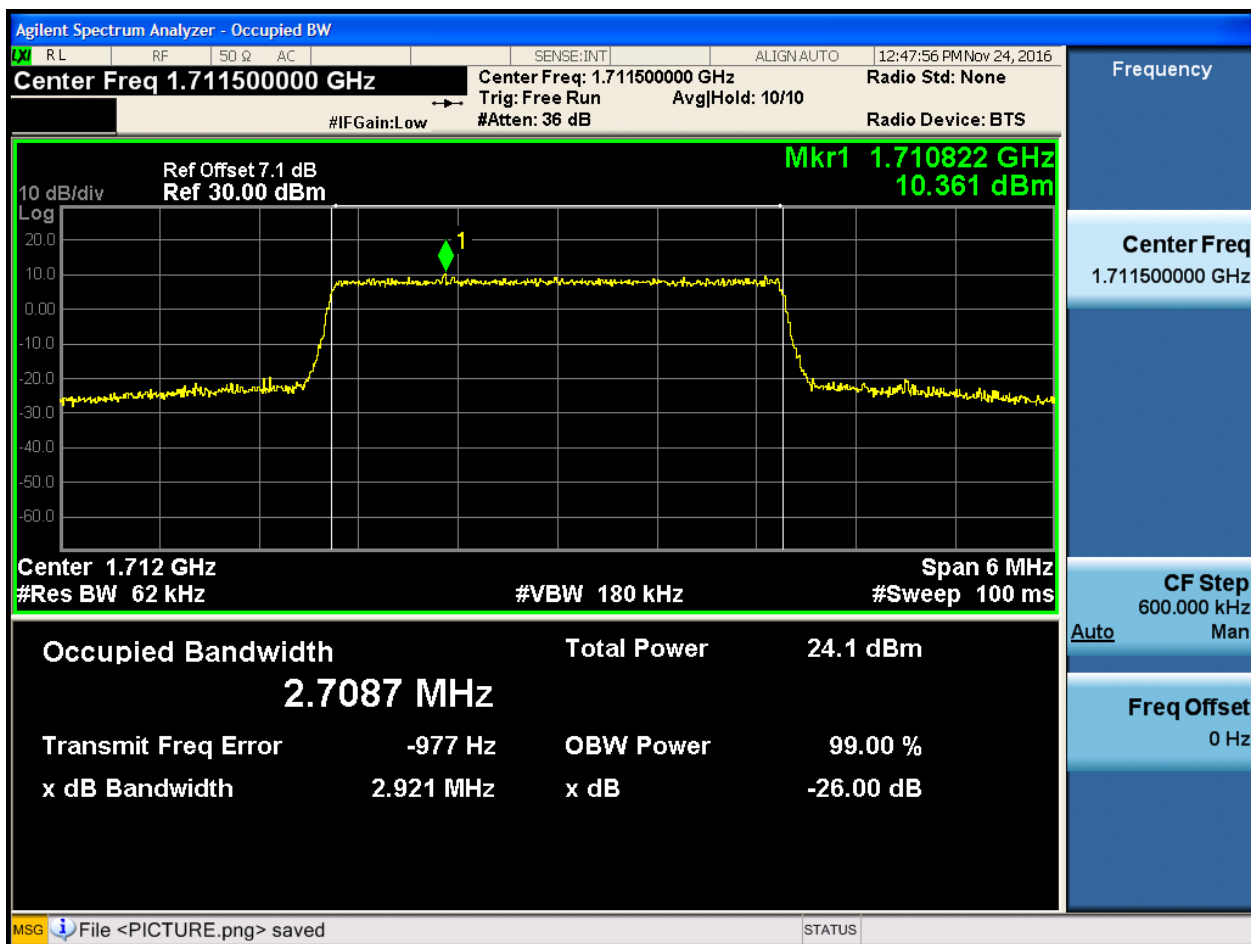




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

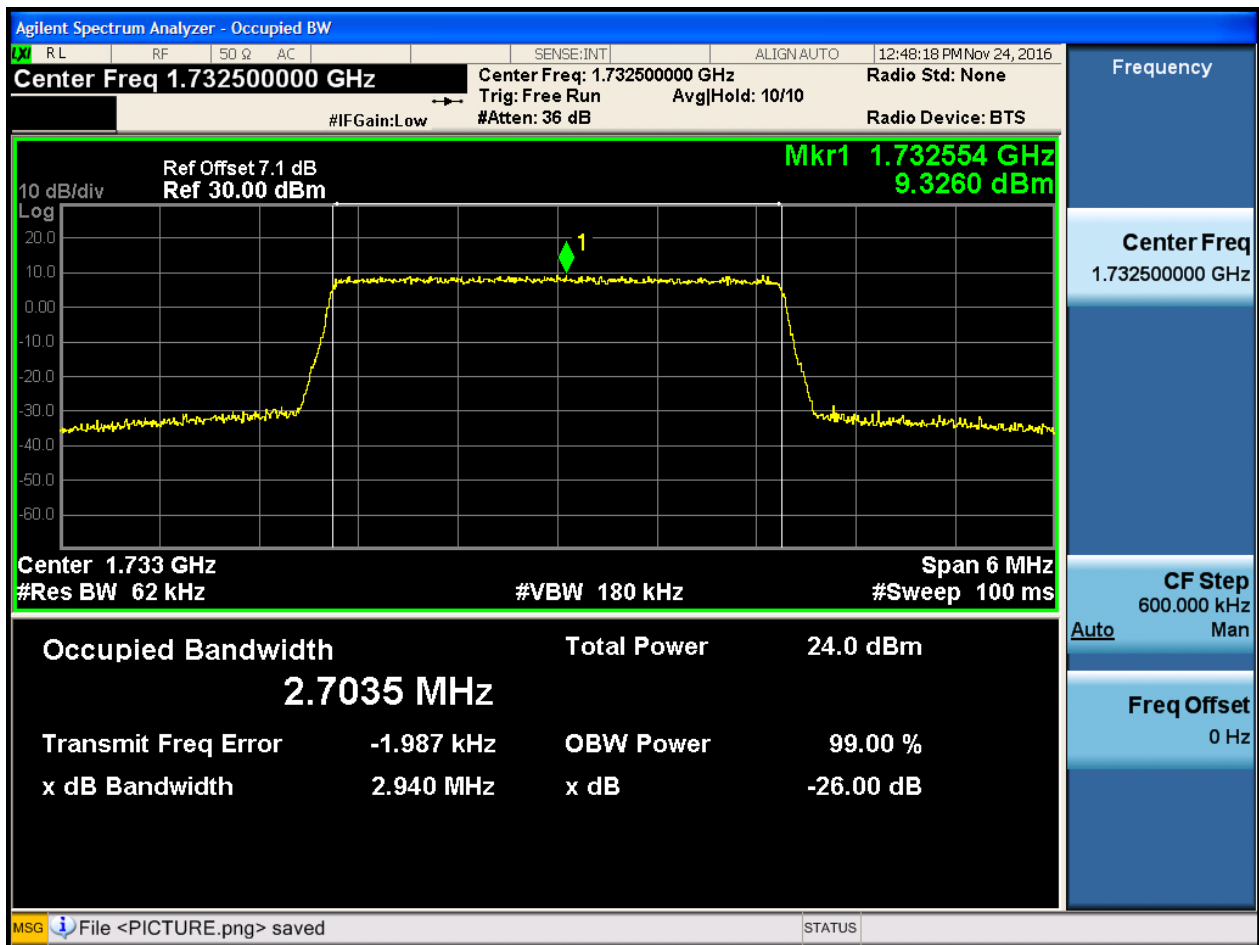
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

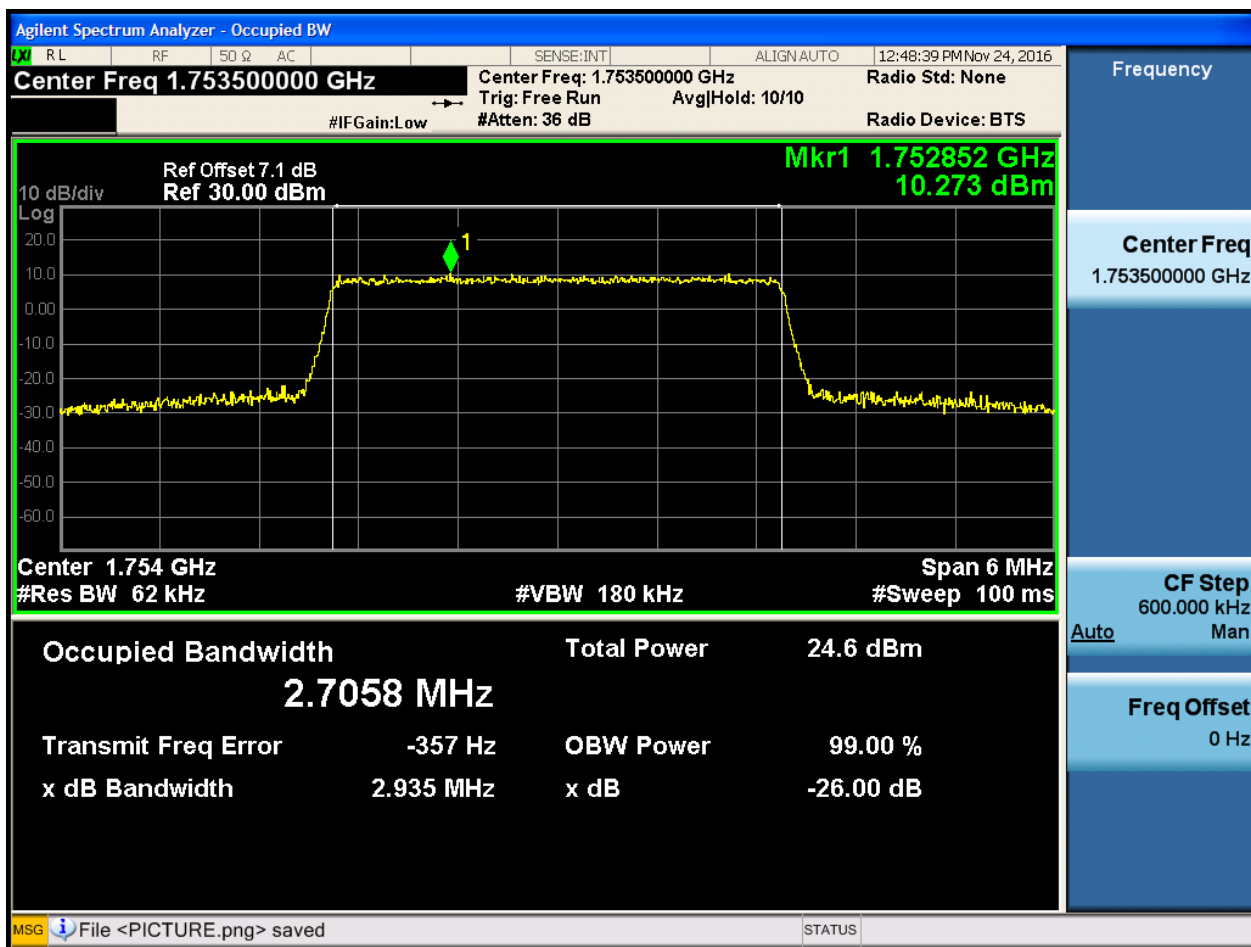
4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

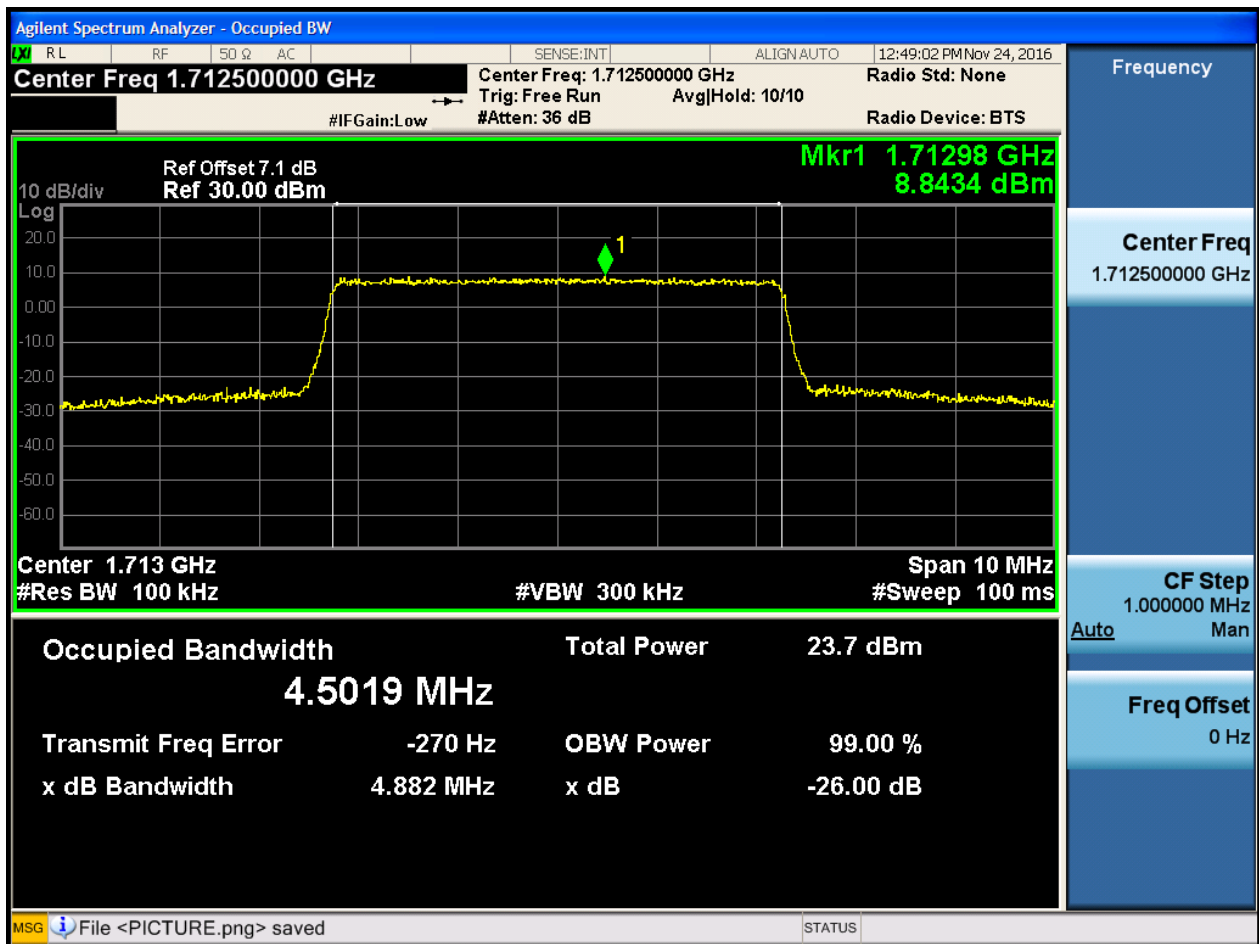




4.1.1.2.3 Test Bandwidth = 5

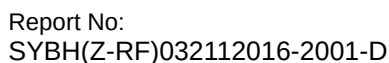
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0





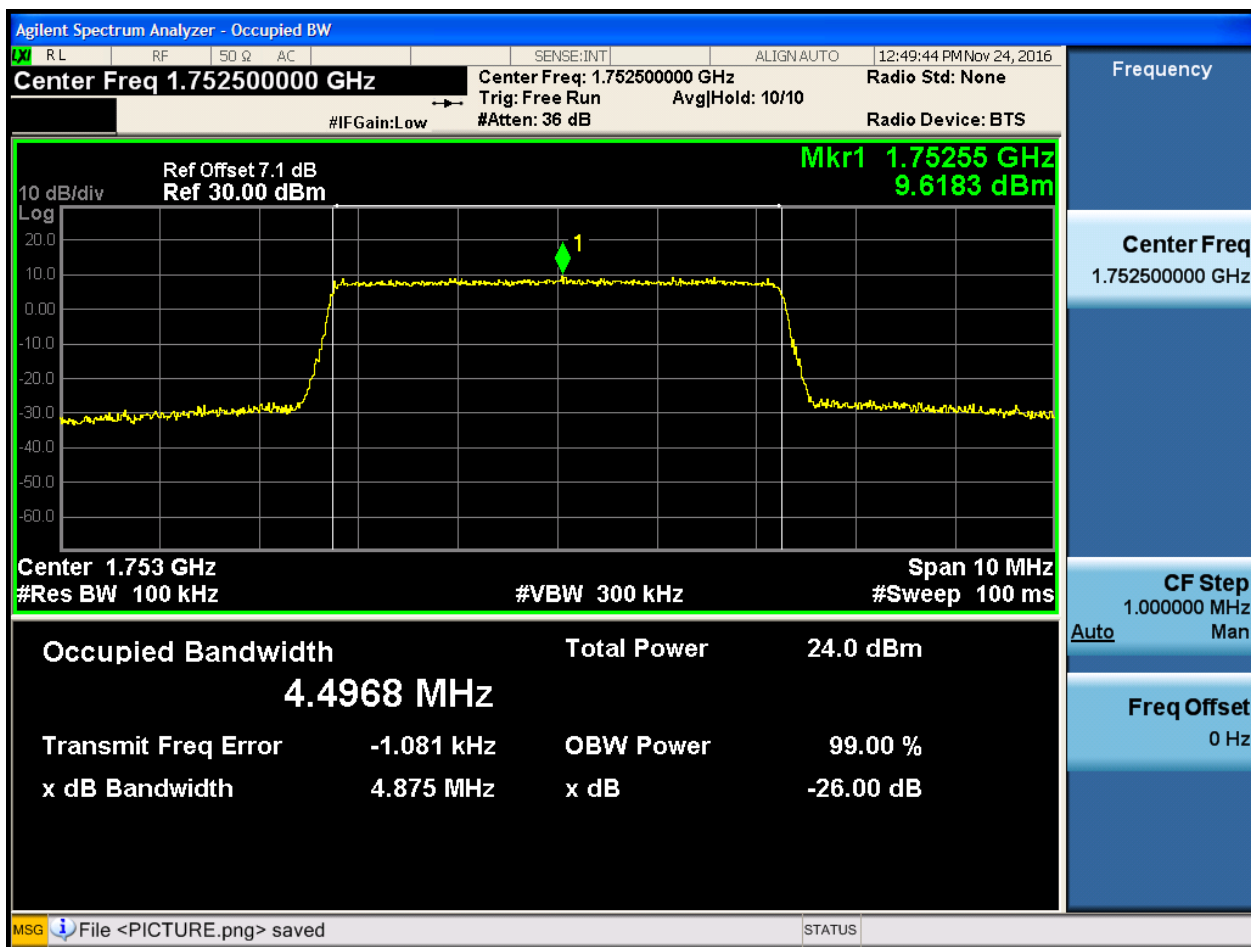
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

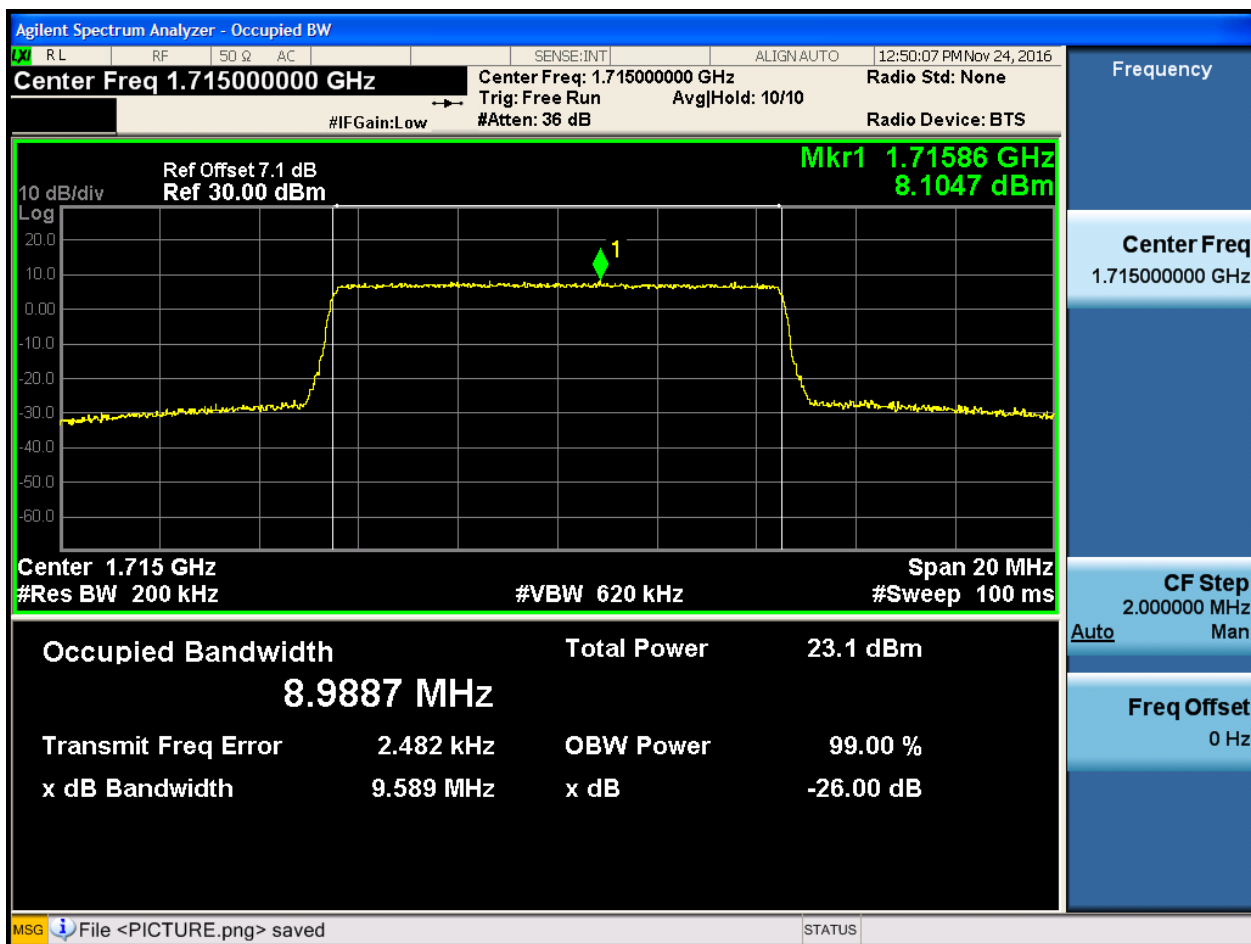




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

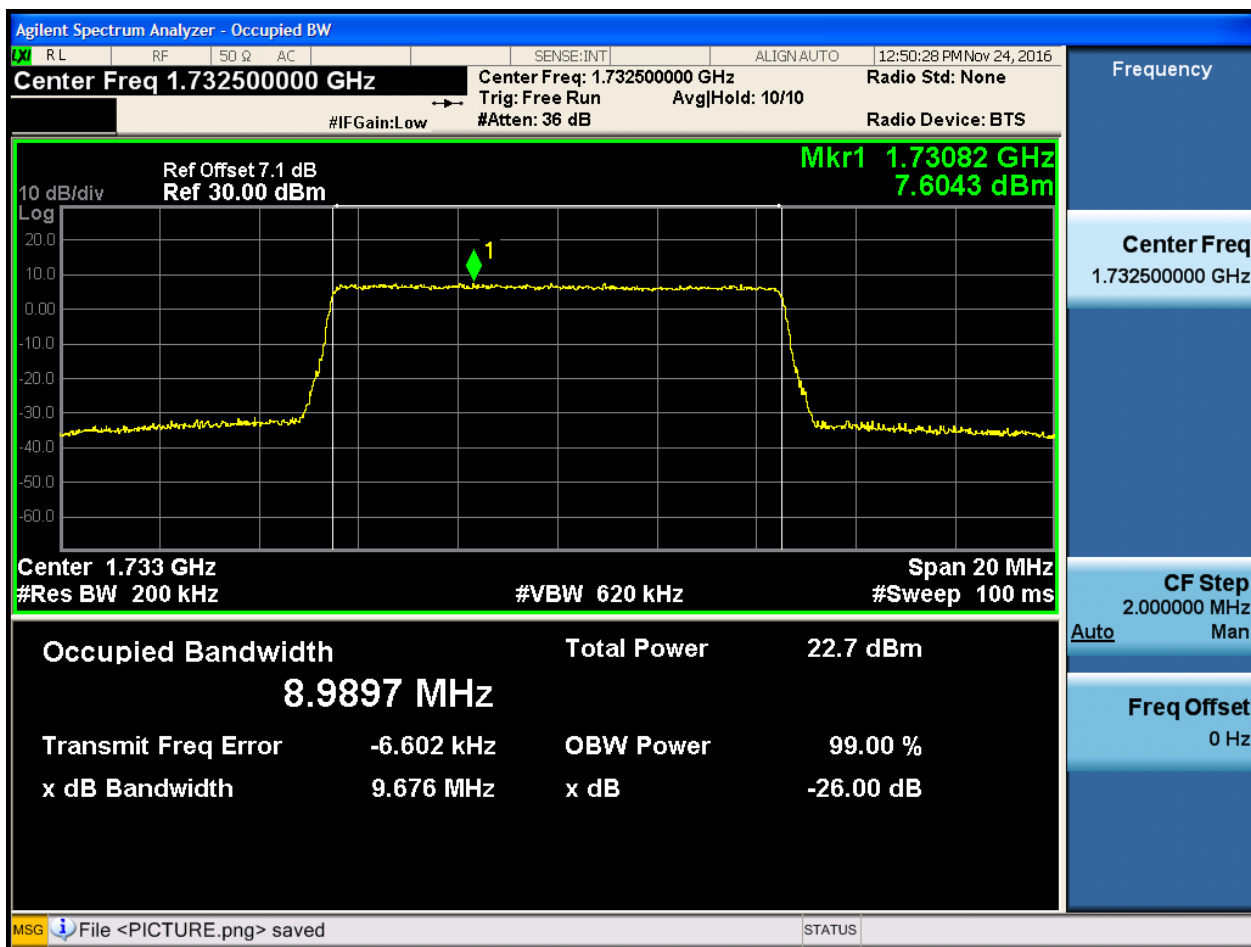
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

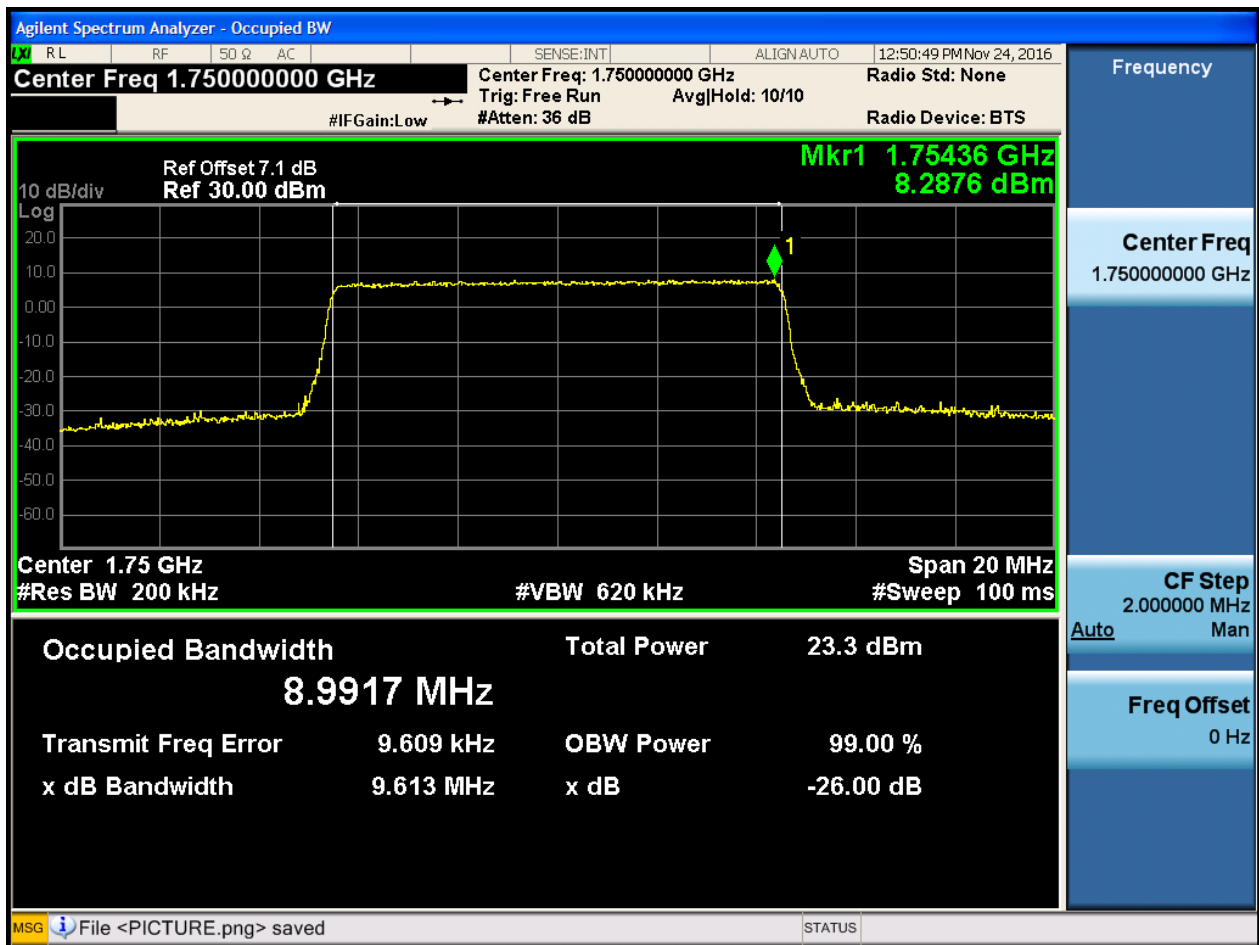
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

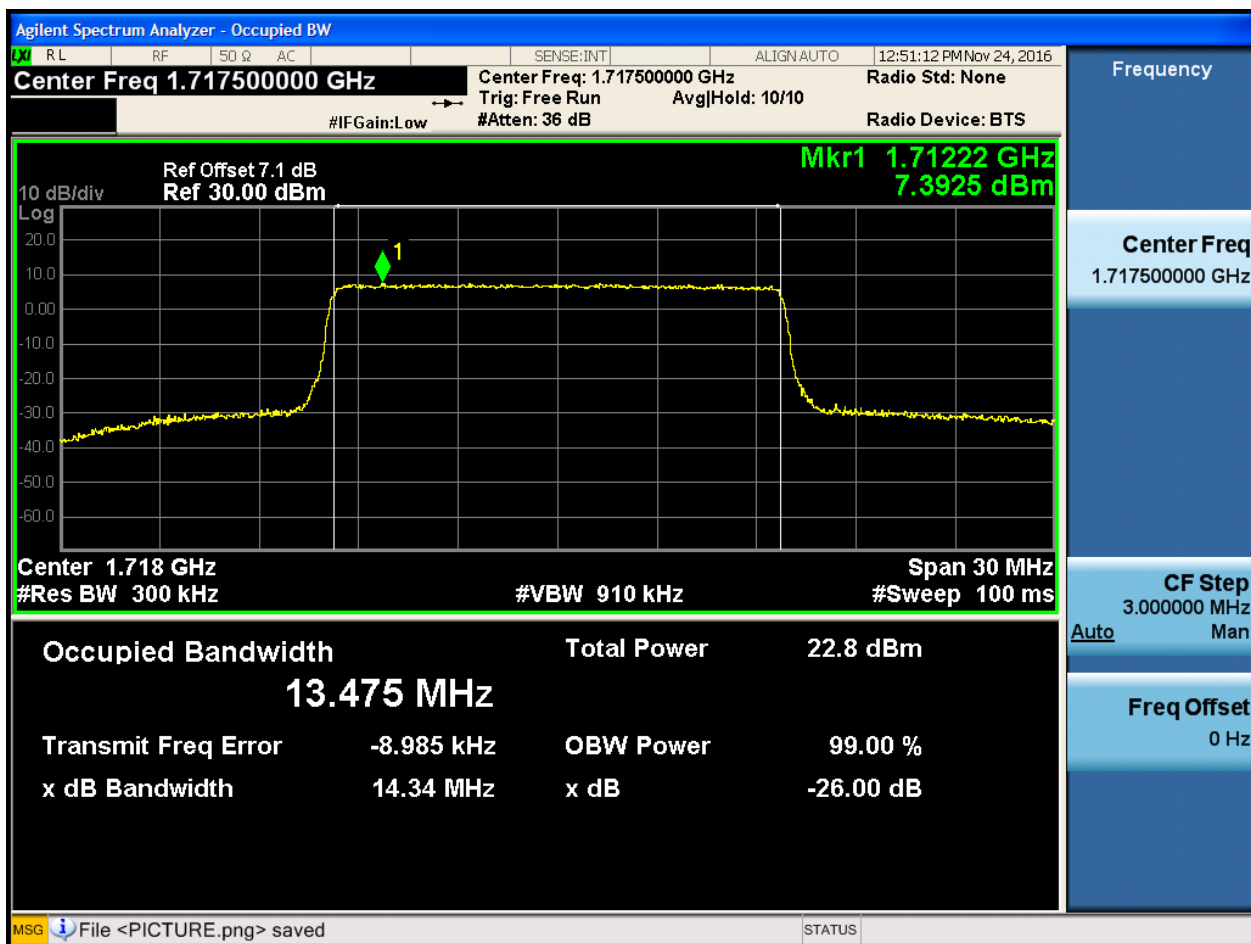




4.1.1.2.5 Test Bandwidth = 15

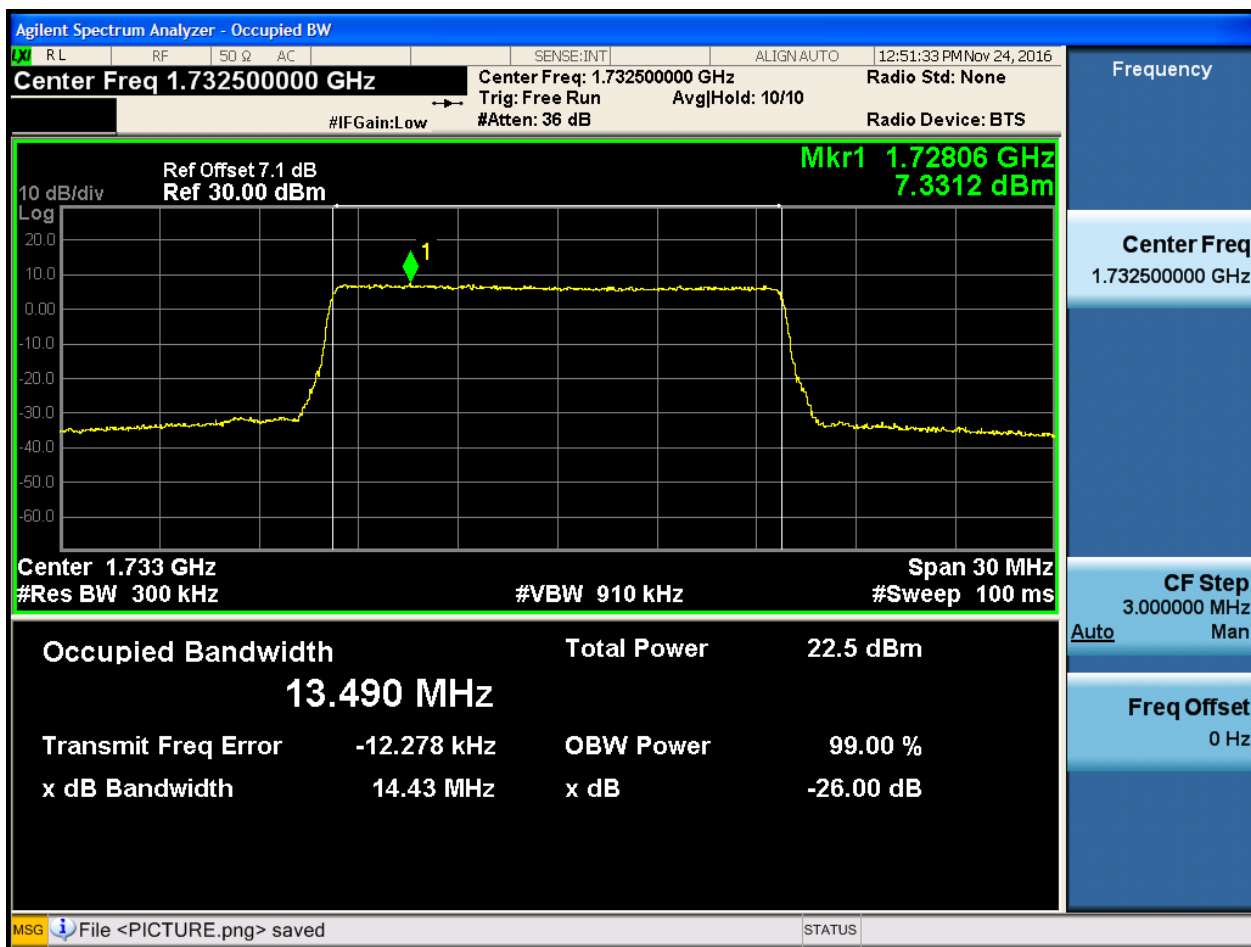
4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



4.1.1.2.5.2 Test Channel = MCH

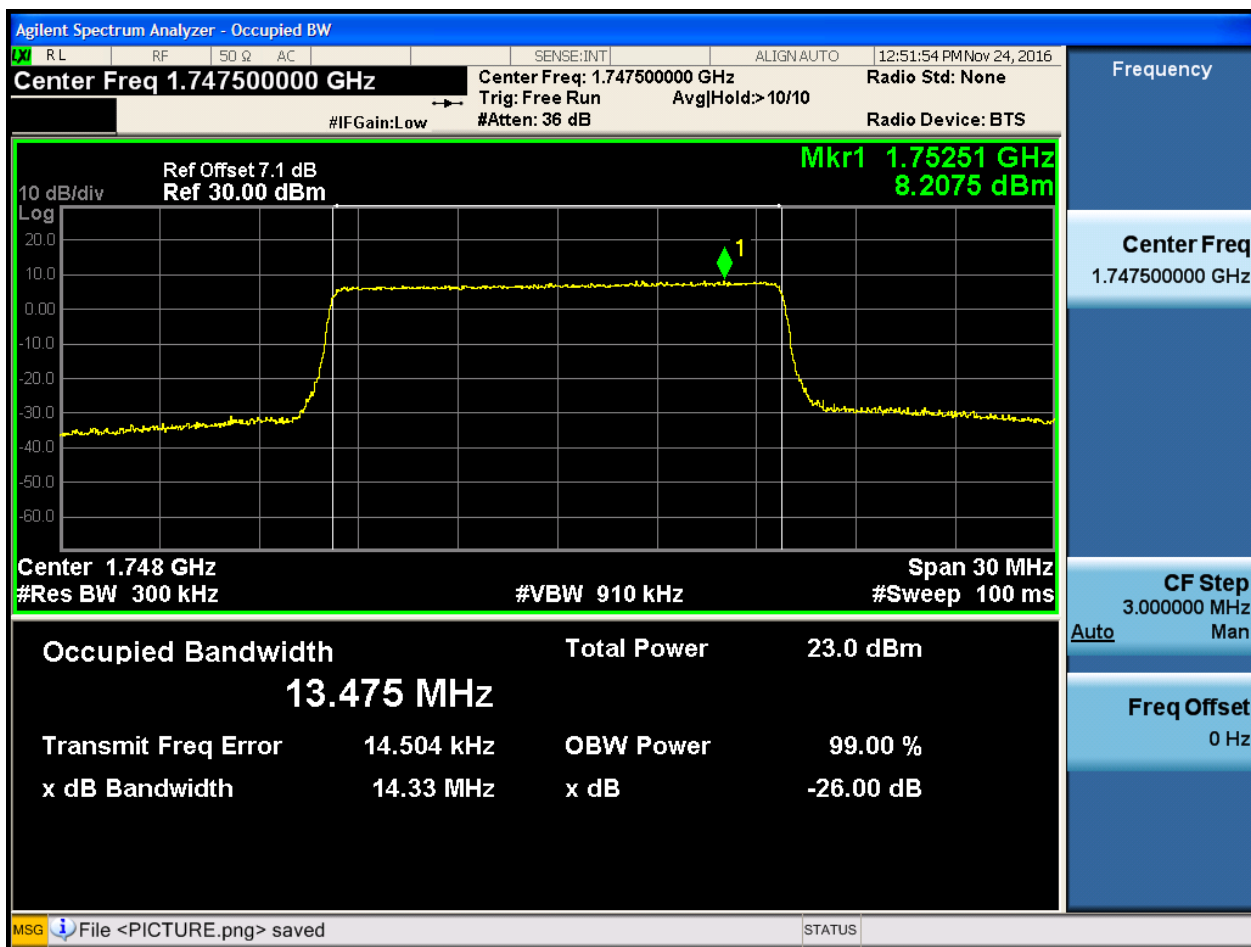
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

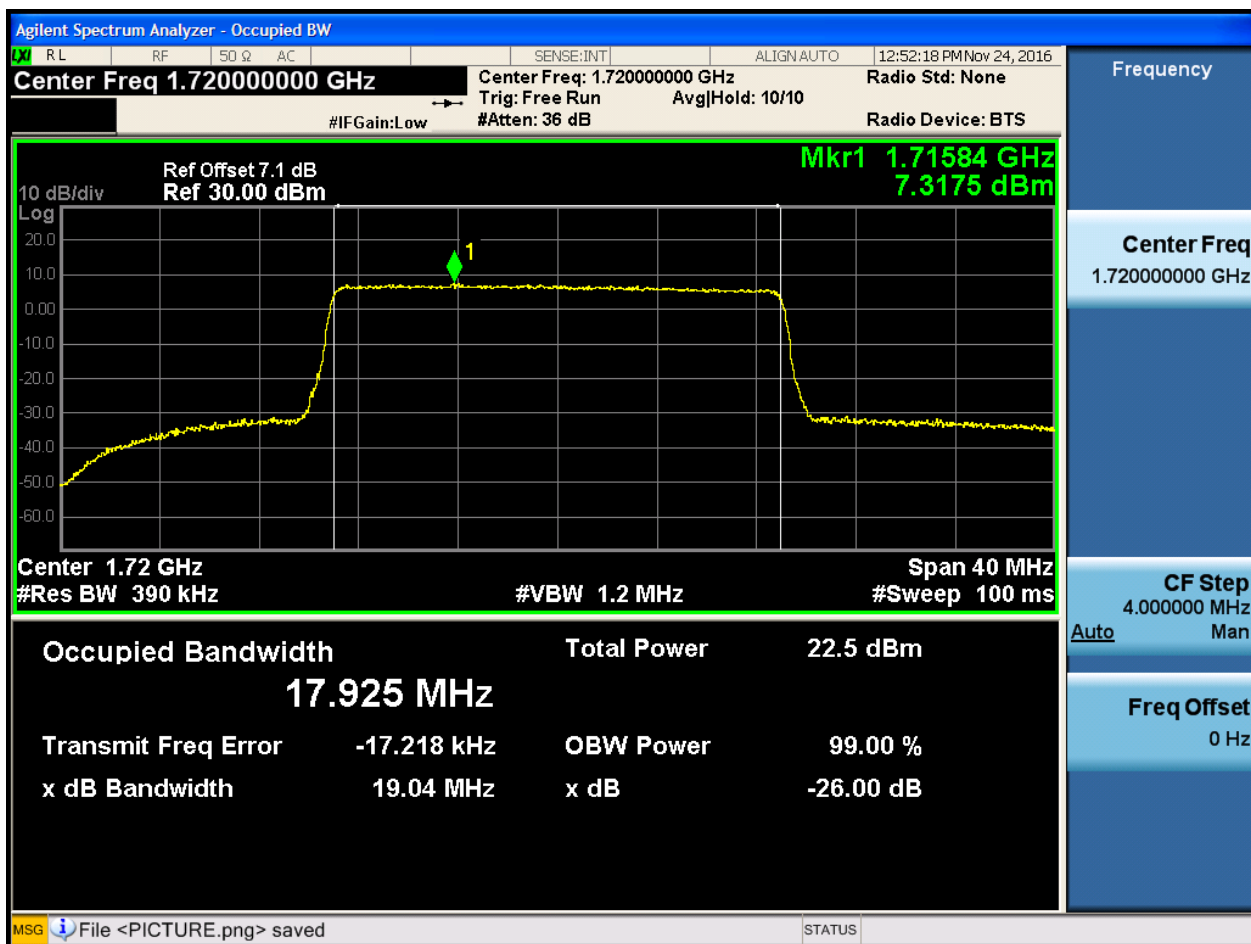




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

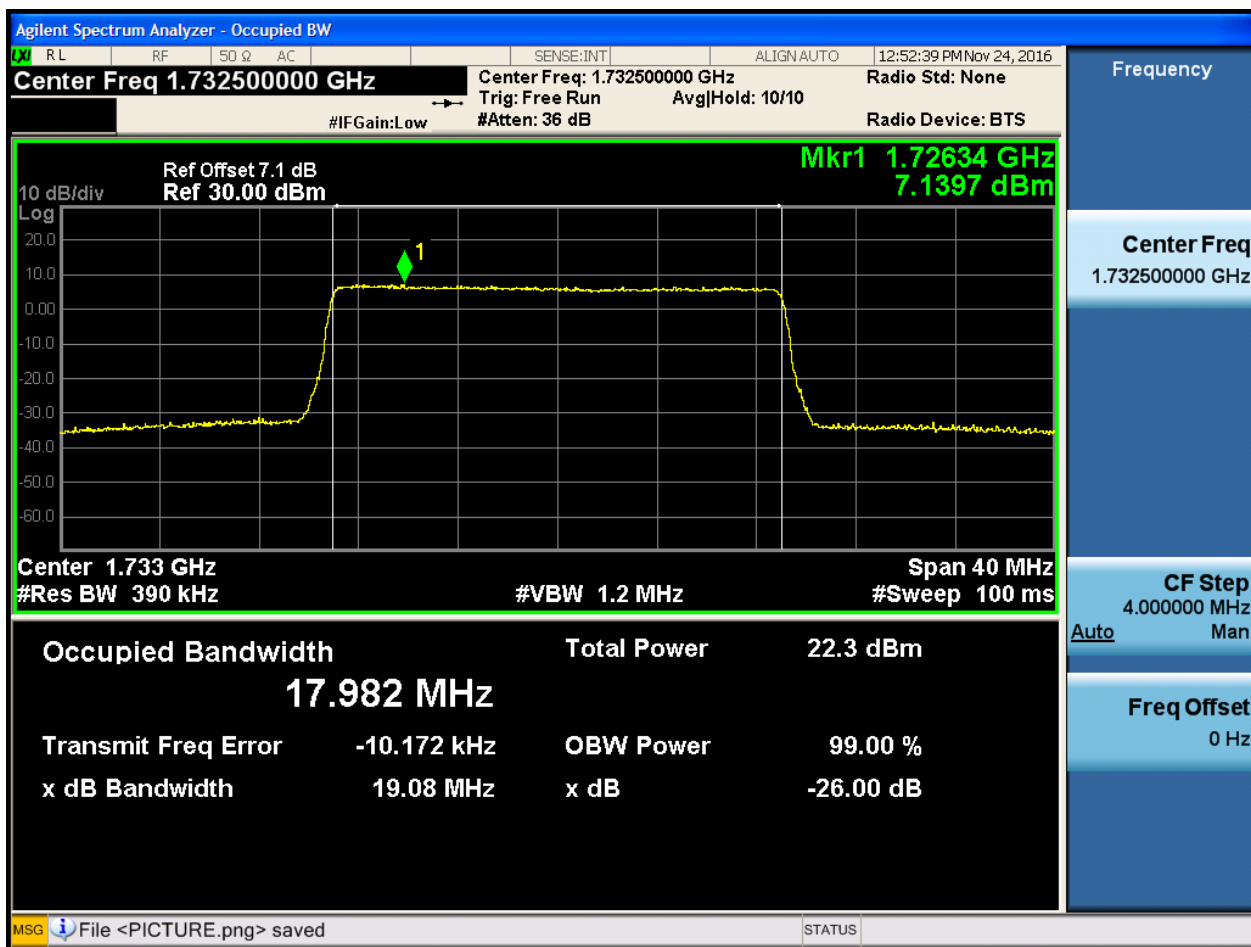
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

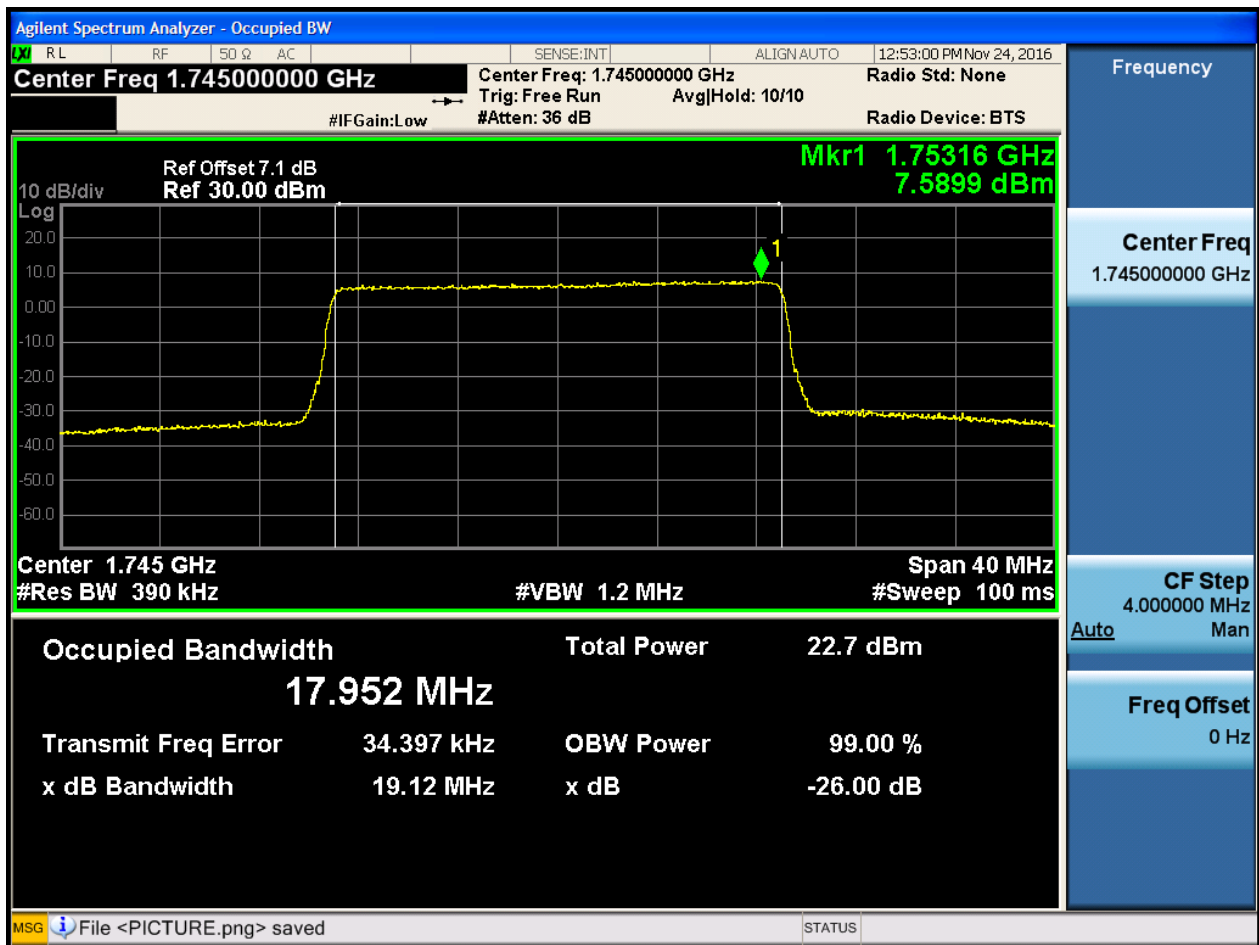
4.1.1.2.6.2.1 Test RB = RB100#0





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

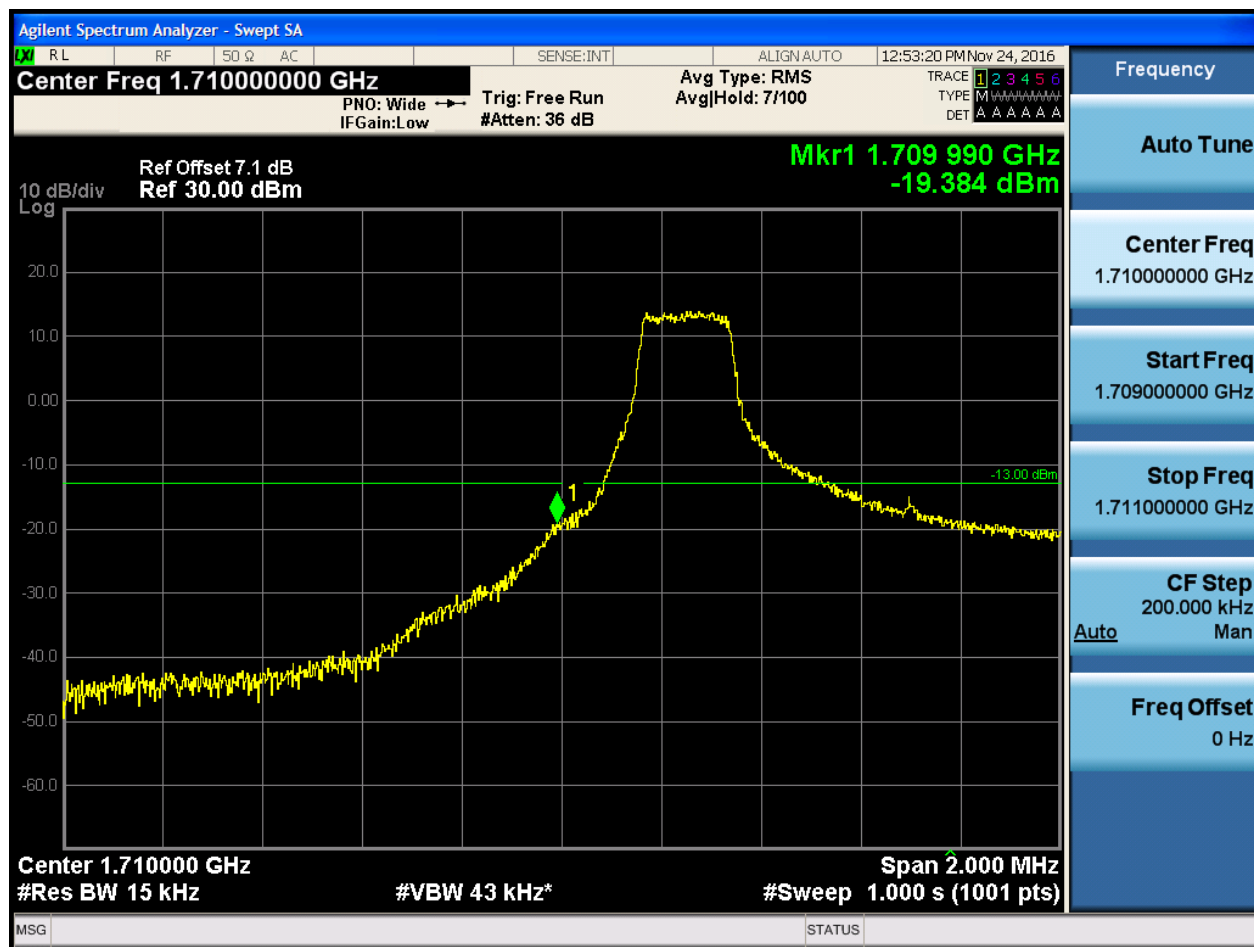
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

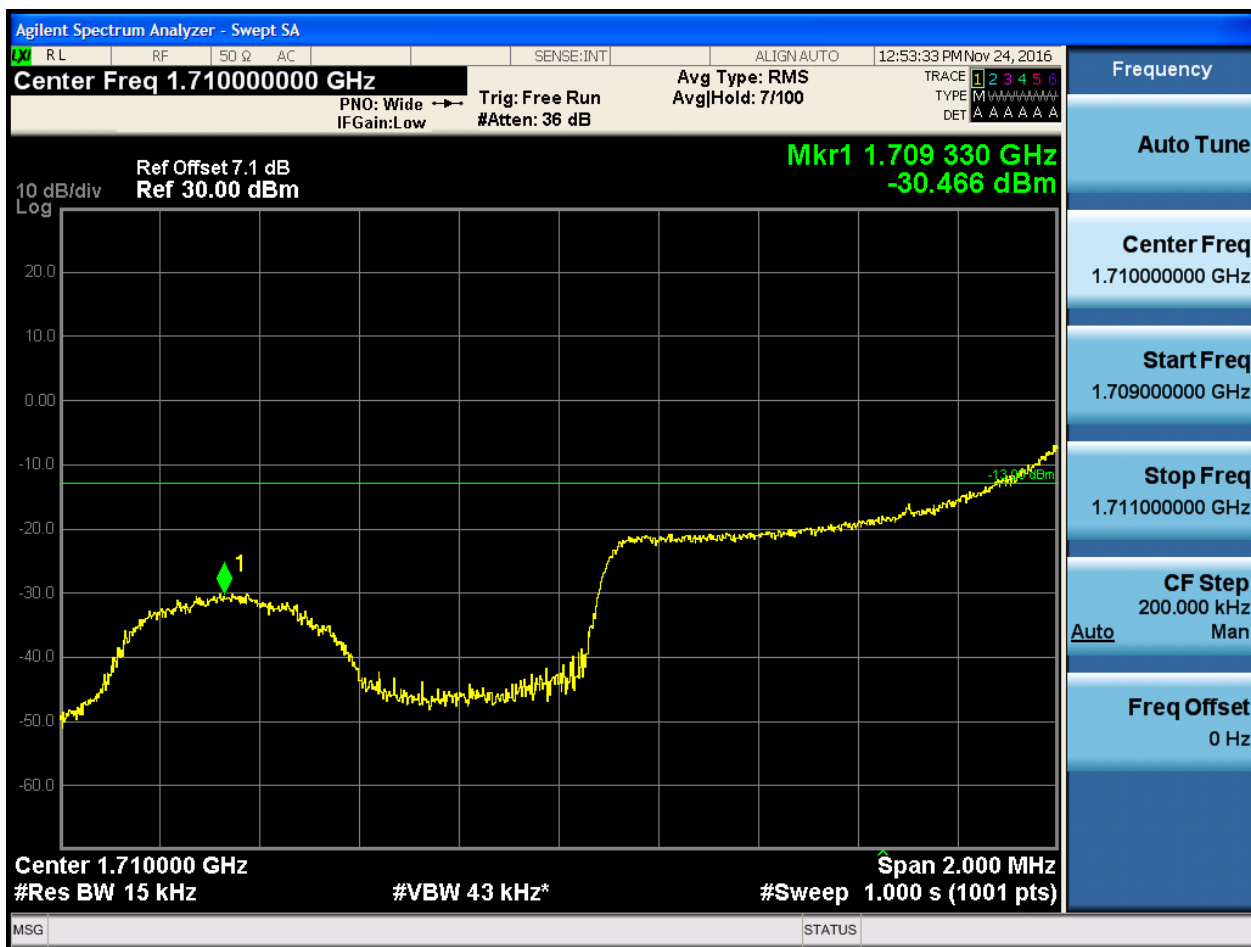
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:53:47 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 7100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-24.879 dBm

10 dB/div
Log

-13.00 dBm

Center 1.710000 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
1.710000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.709 990 GHz
-28.492 dBm

Center Freq 1.710000000 GHz

Start Freq 1.709000000 GHz

Stop Freq 1.711000000 GHz

CF Step 200.000 kHz
Auto

Freq Offset 0 Hz

Center 1.710000 GHz
#Res BW 15 kHz
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG Alignment Completed

STATUS



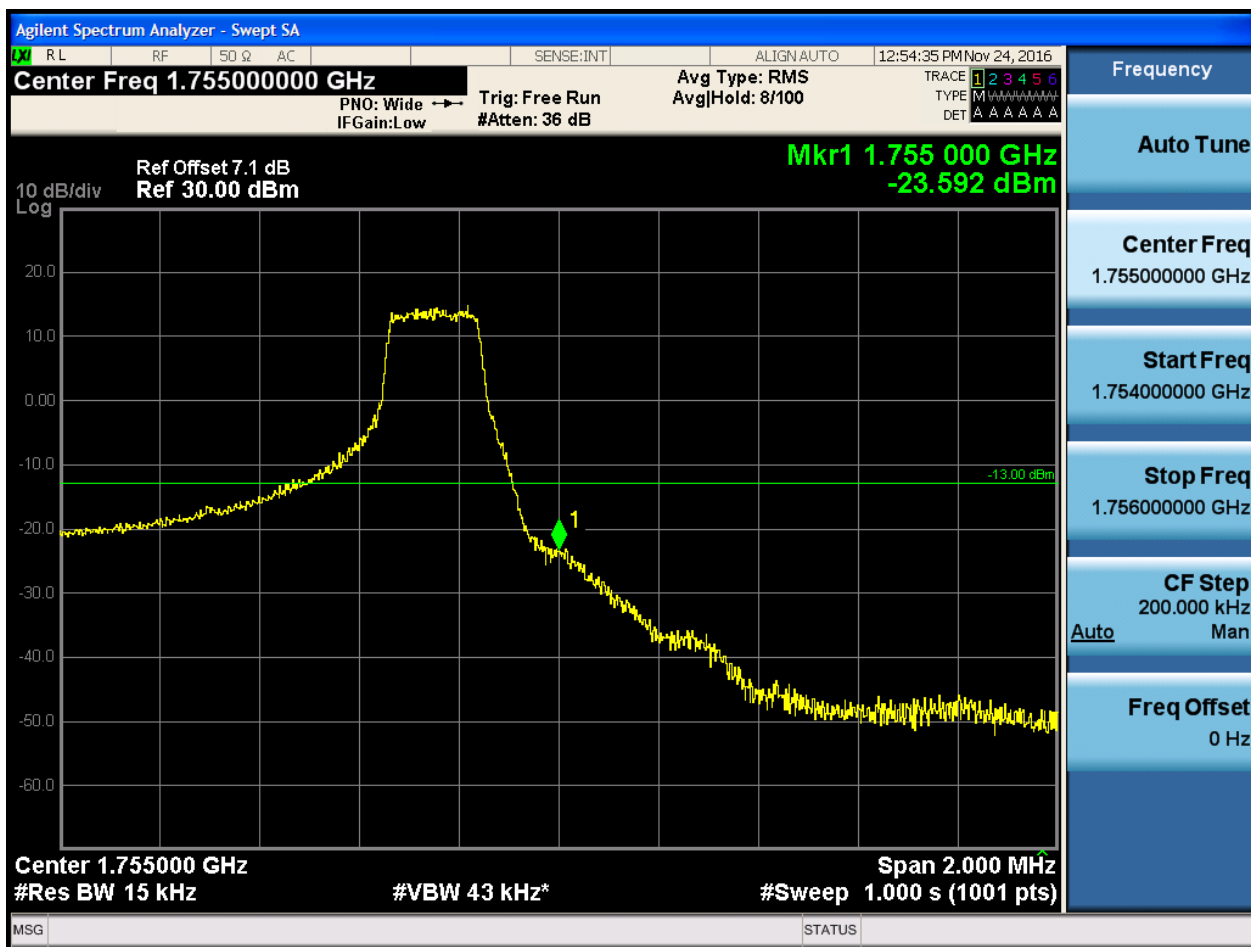
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 12:54:49 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain: Low Trig: Free Run AvgHold: 7/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 130 GHz
-27.453 dBm

10 dB/div
Log

-13.00 dBm

Center 1.755000 GHz Span 2.000 MHz
#Res BW 15 kHz #VBW 43 kHz* #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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:55:03 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 7/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 110 GHz
-33.301 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)

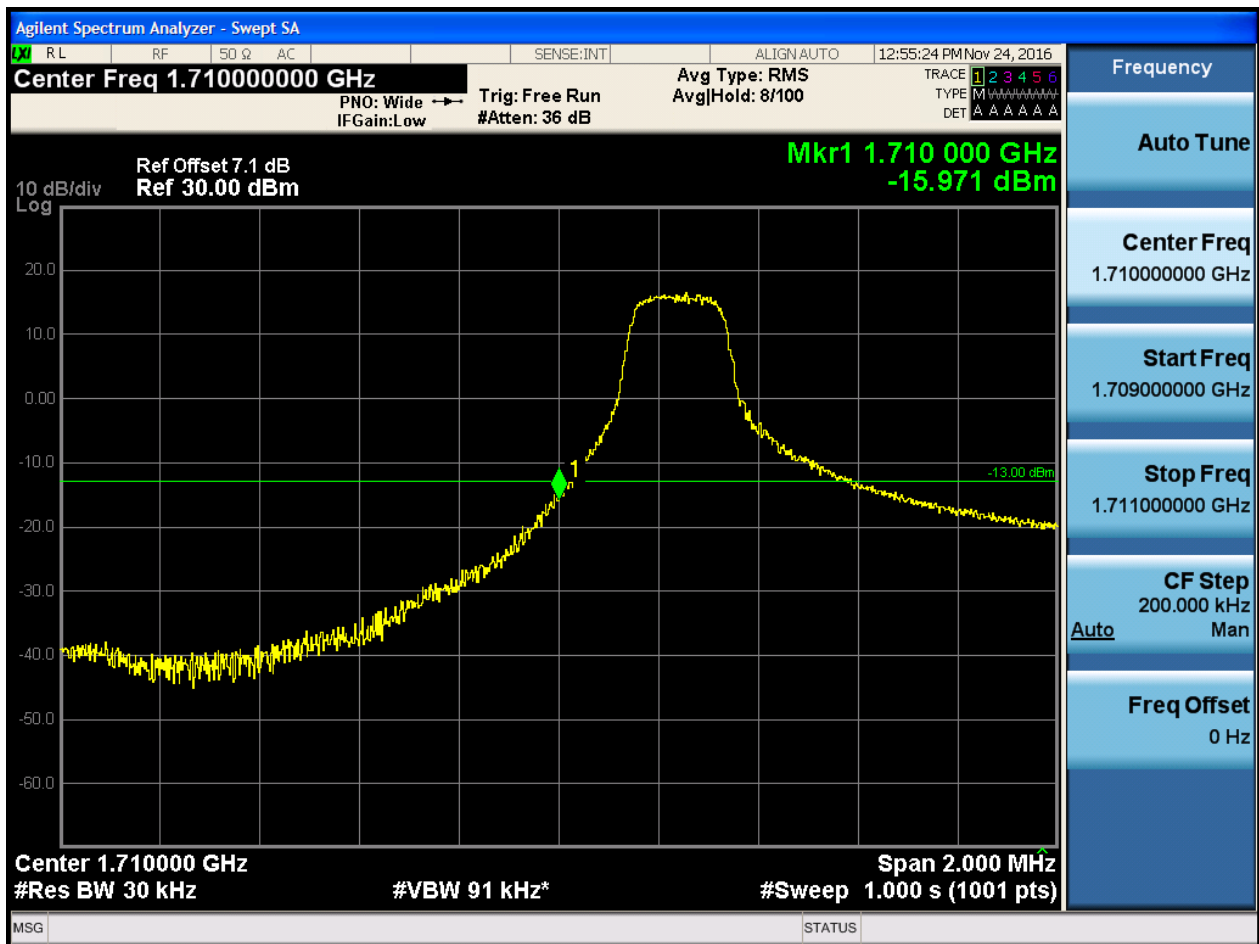
MSG STATUS



5.1.1.1.2 Test Bandwidth = 3

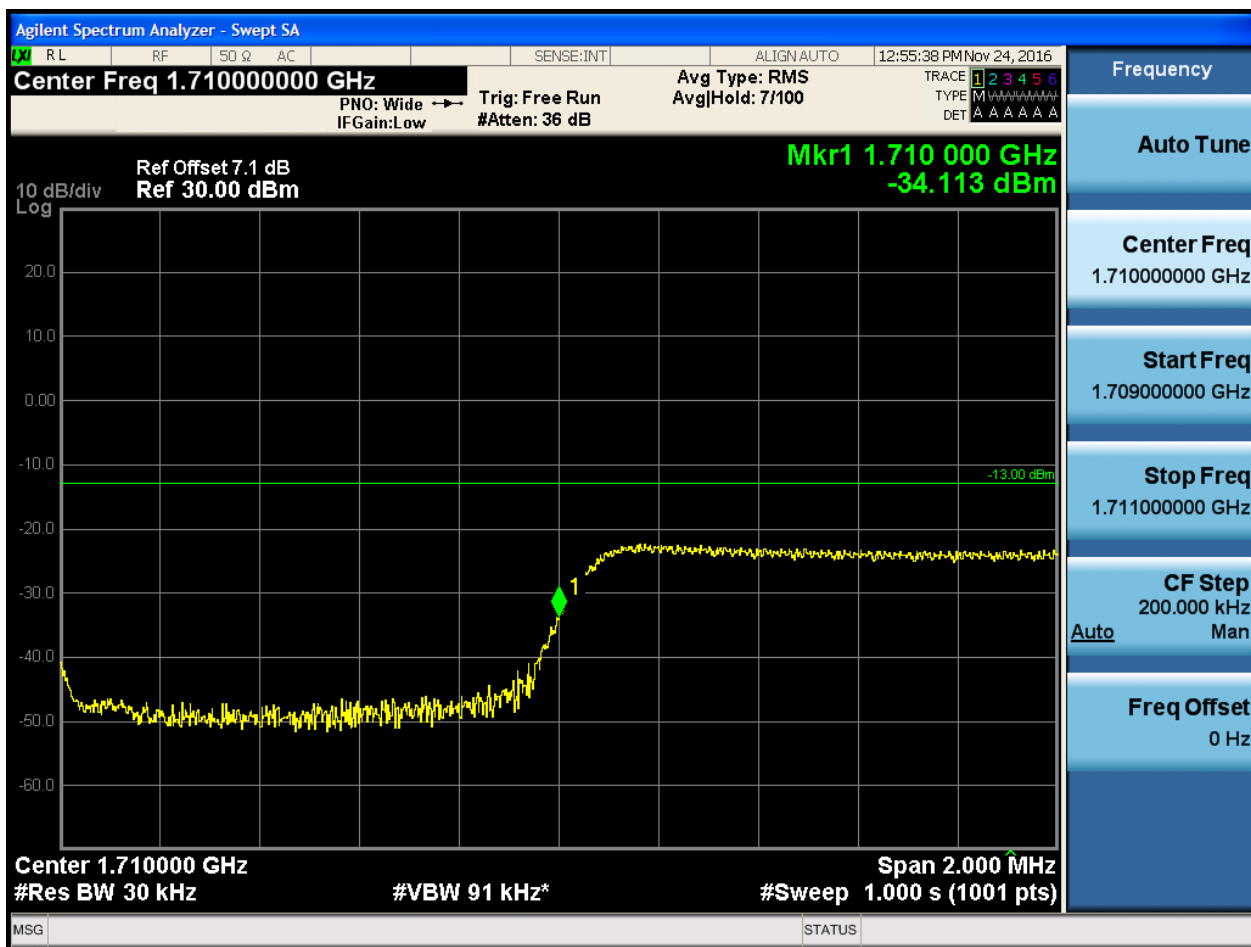
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:55:52 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-30.126 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

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



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.710 000 GHz
-29.361 dBm

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

Frequency

Auto Tune

Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

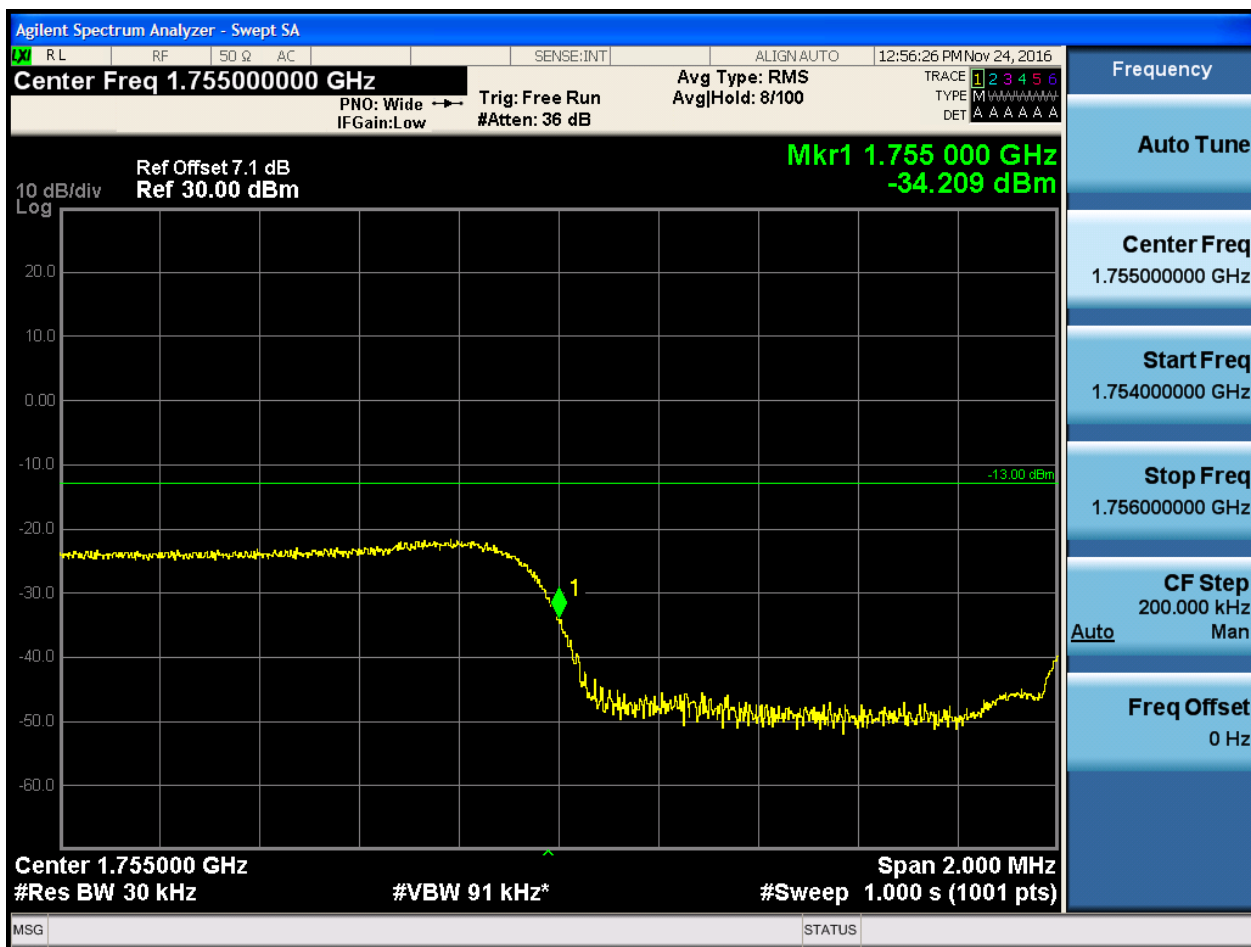
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



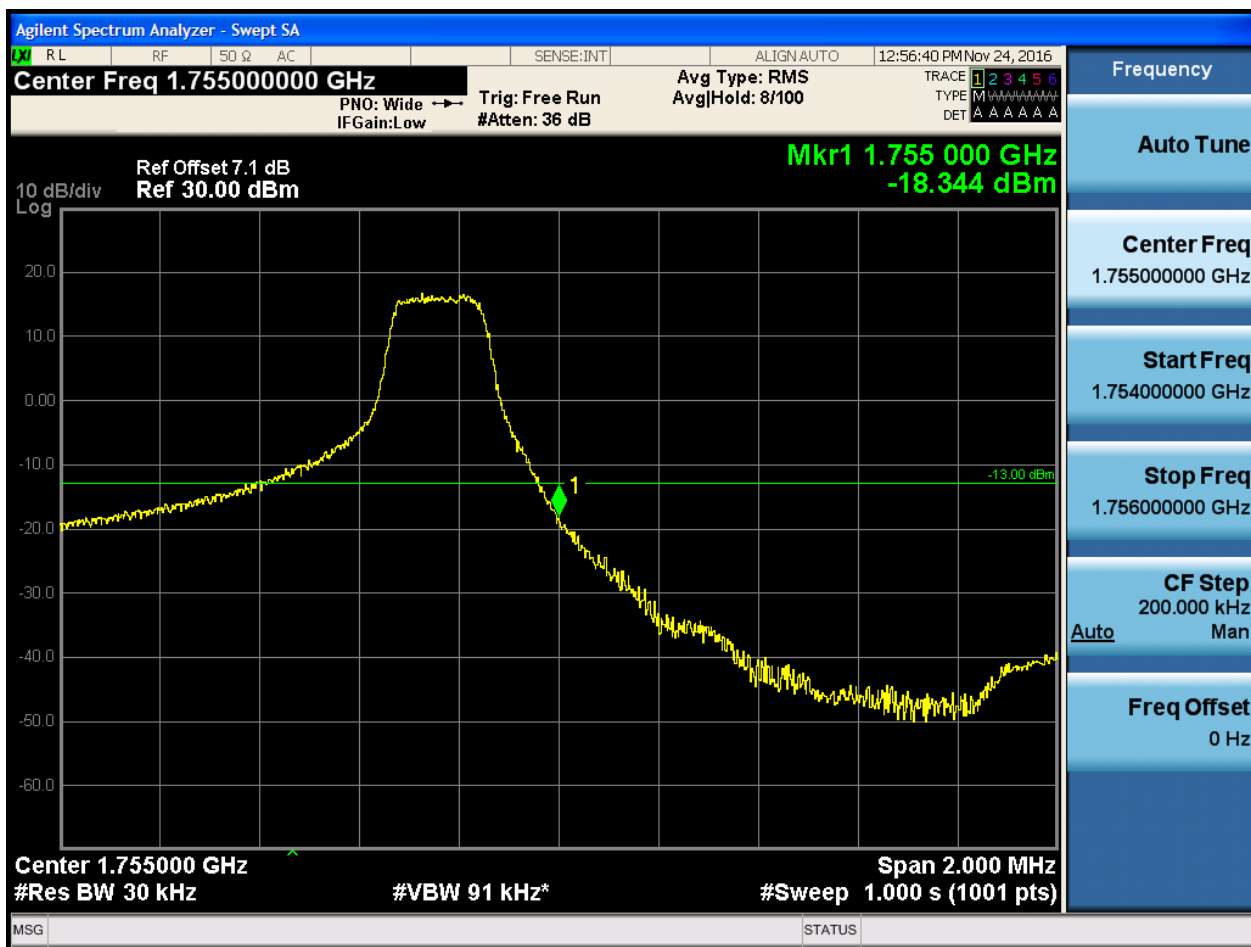
5.1.1.1.2.2 Test Channel = HCH

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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:56:54 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-31.718 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 30 kHz
#VBW 91 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

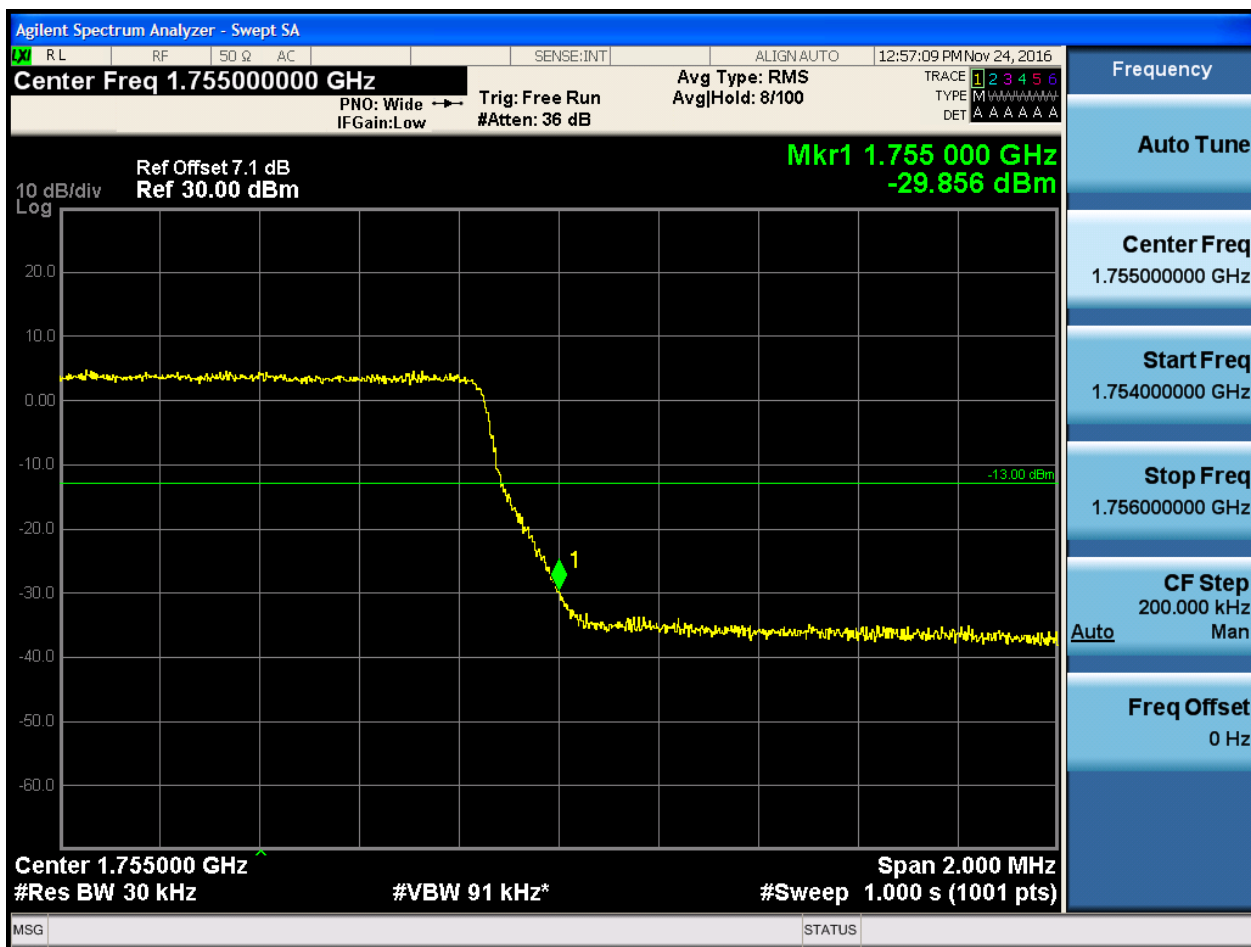
Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.2.4 Test RB = RB15#0

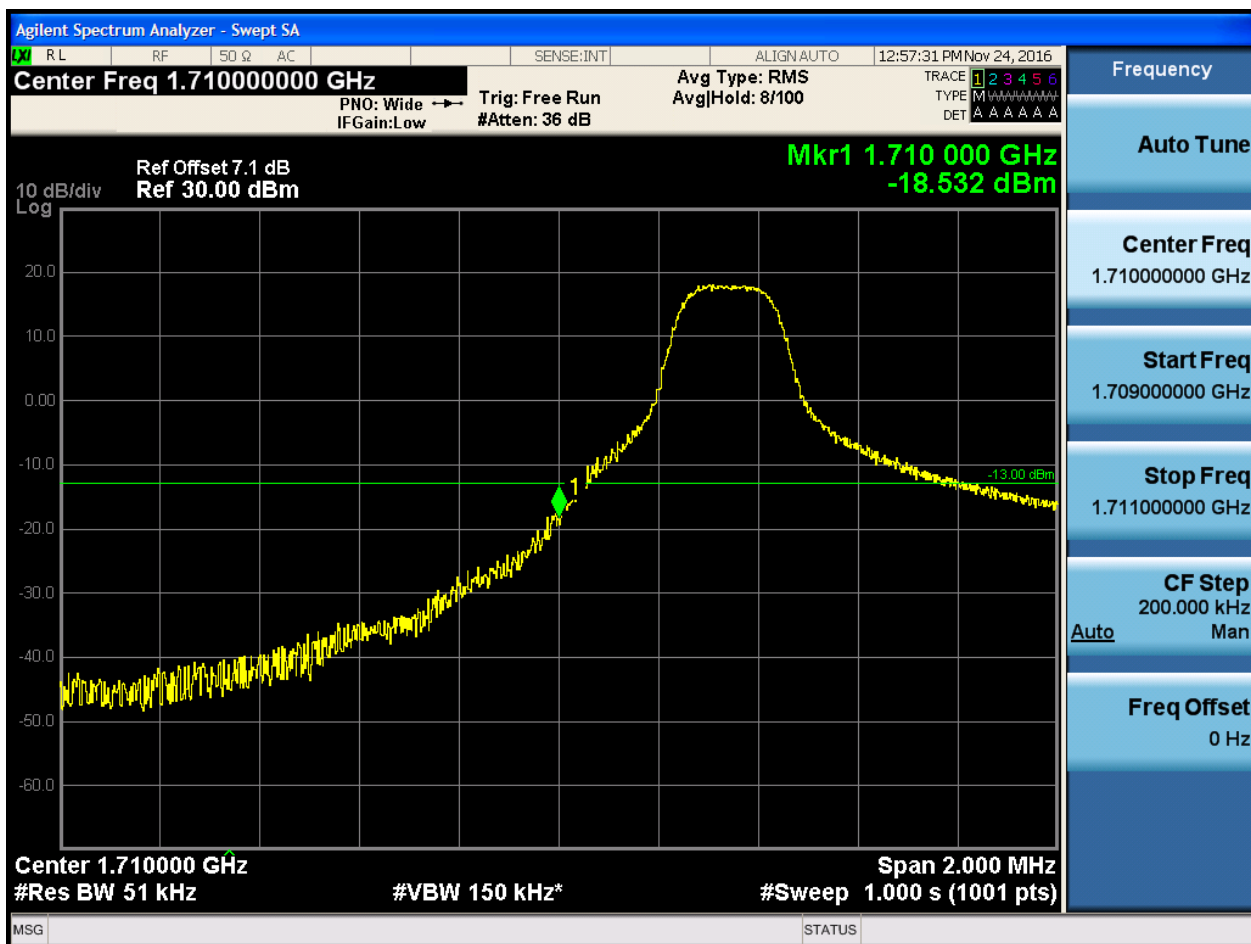




5.1.1.1.3 Test Bandwidth = 5

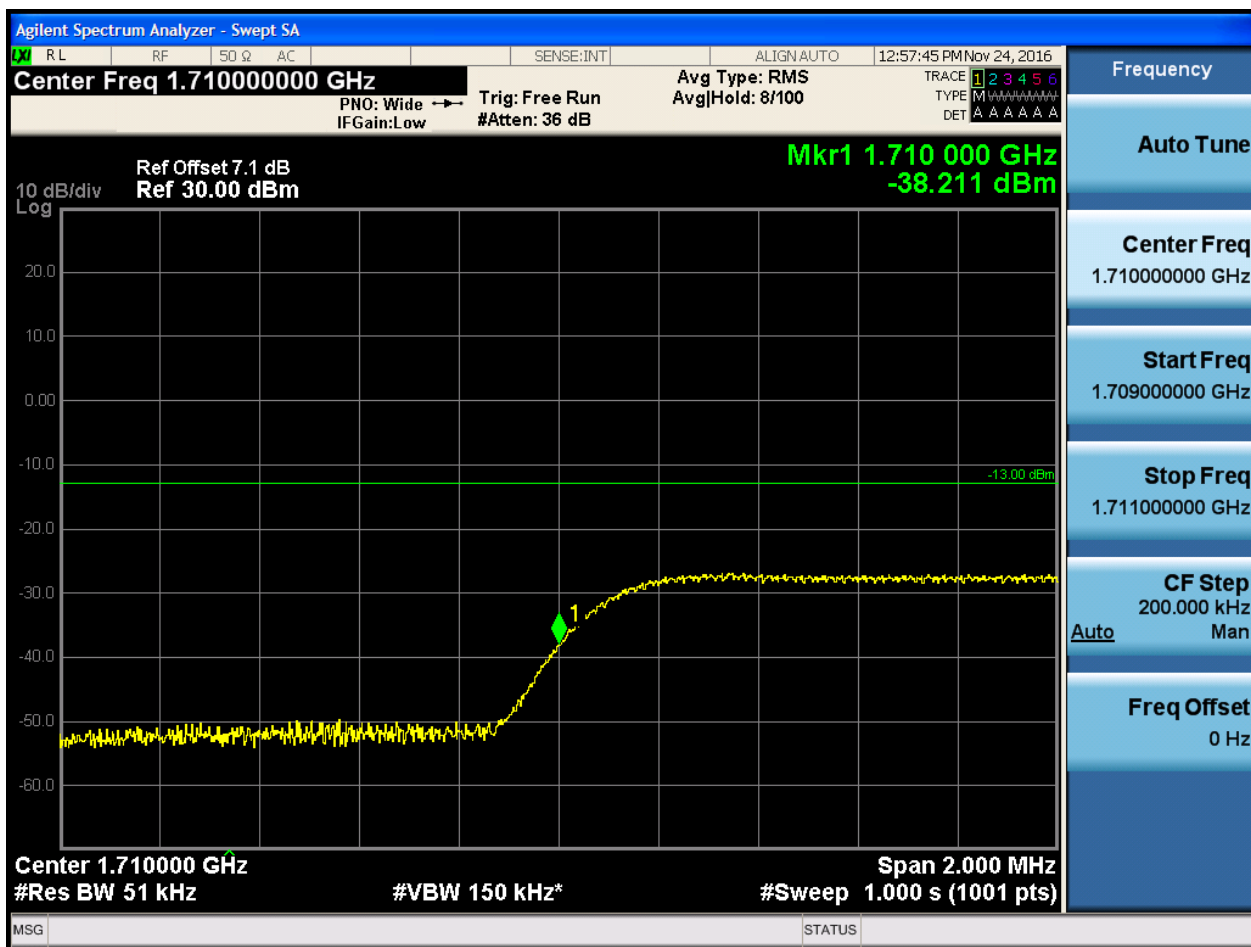
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



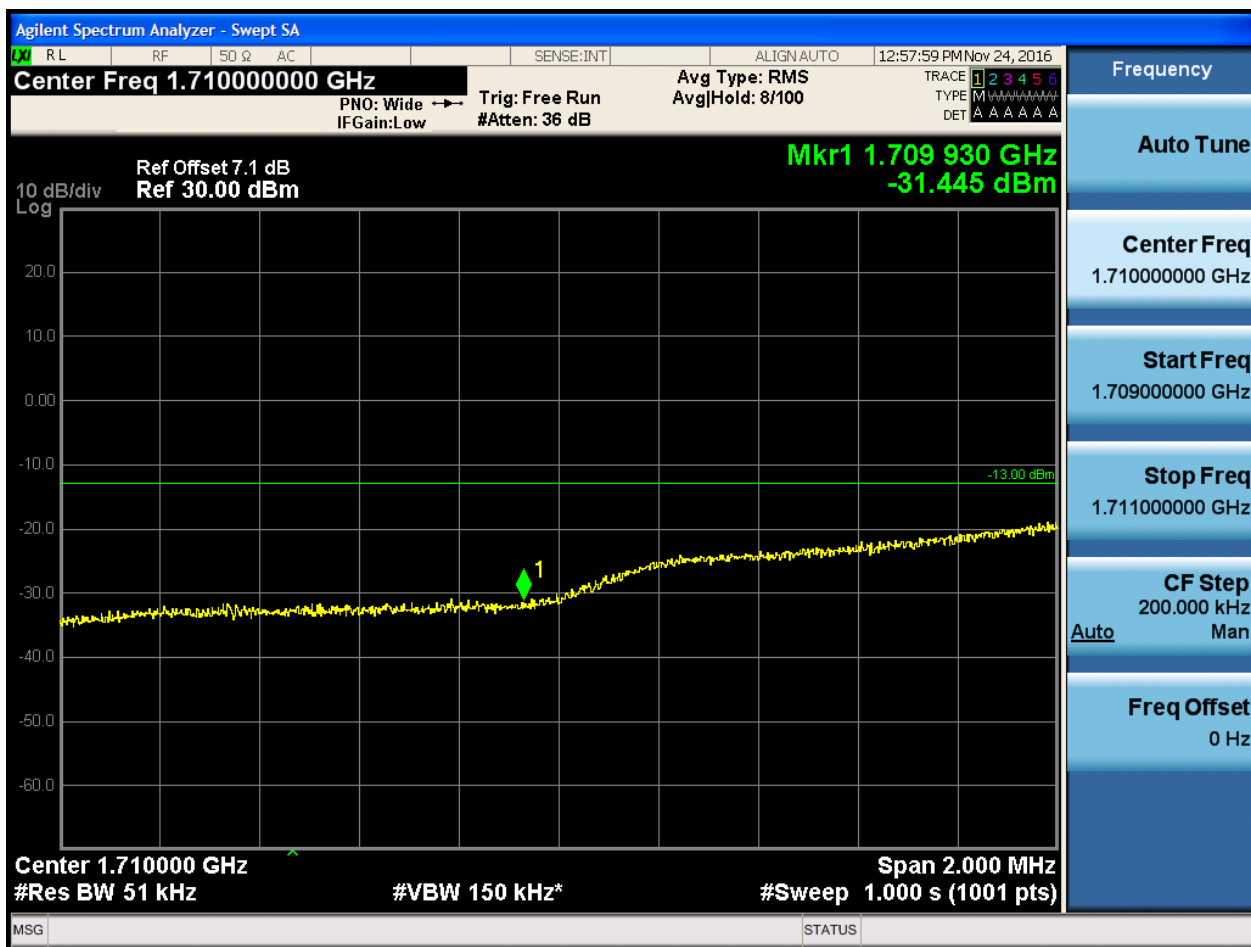


5.1.1.1.3.1.2 Test RB = RB1#24



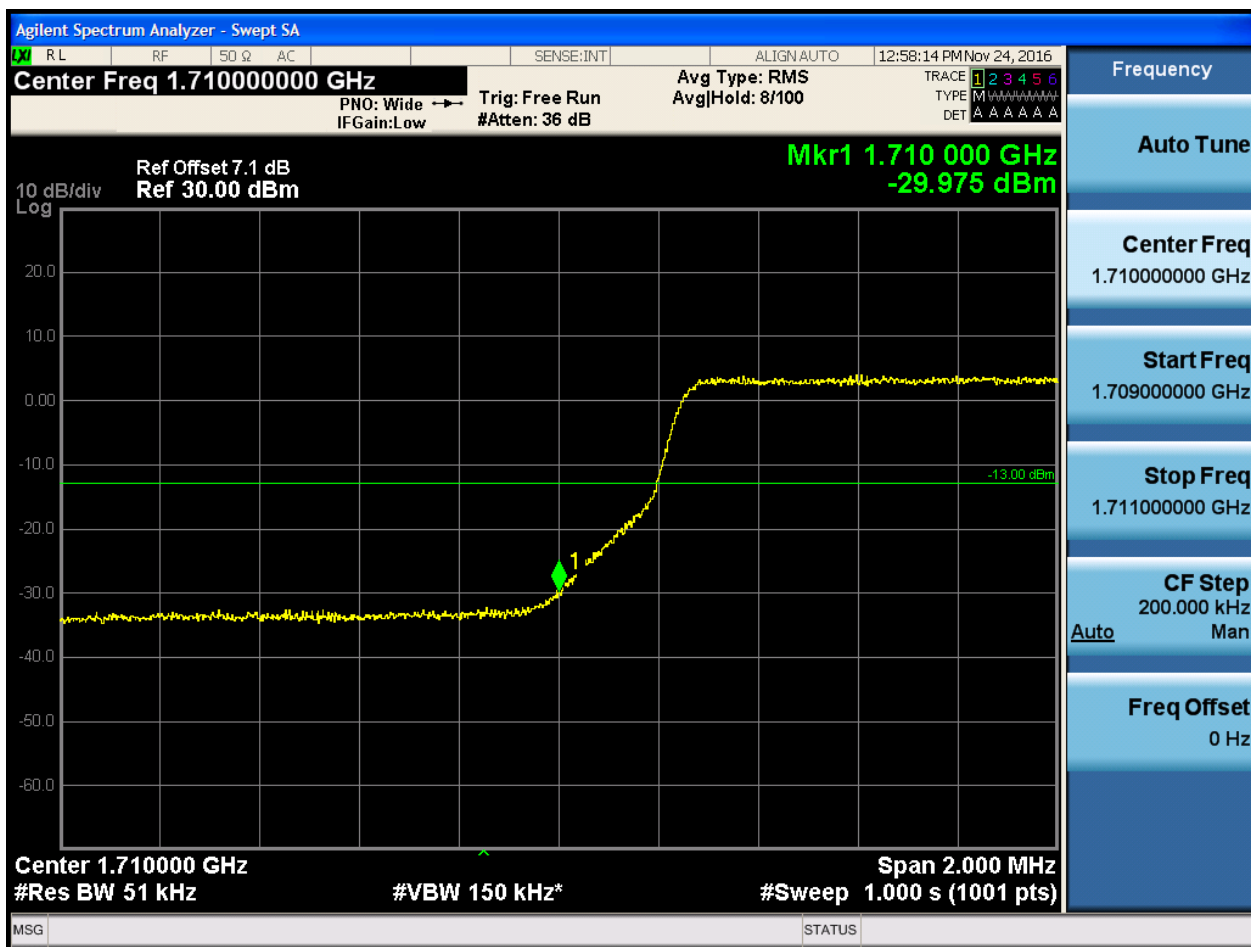


5.1.1.1.3.1.3 Test RB = RB12#6





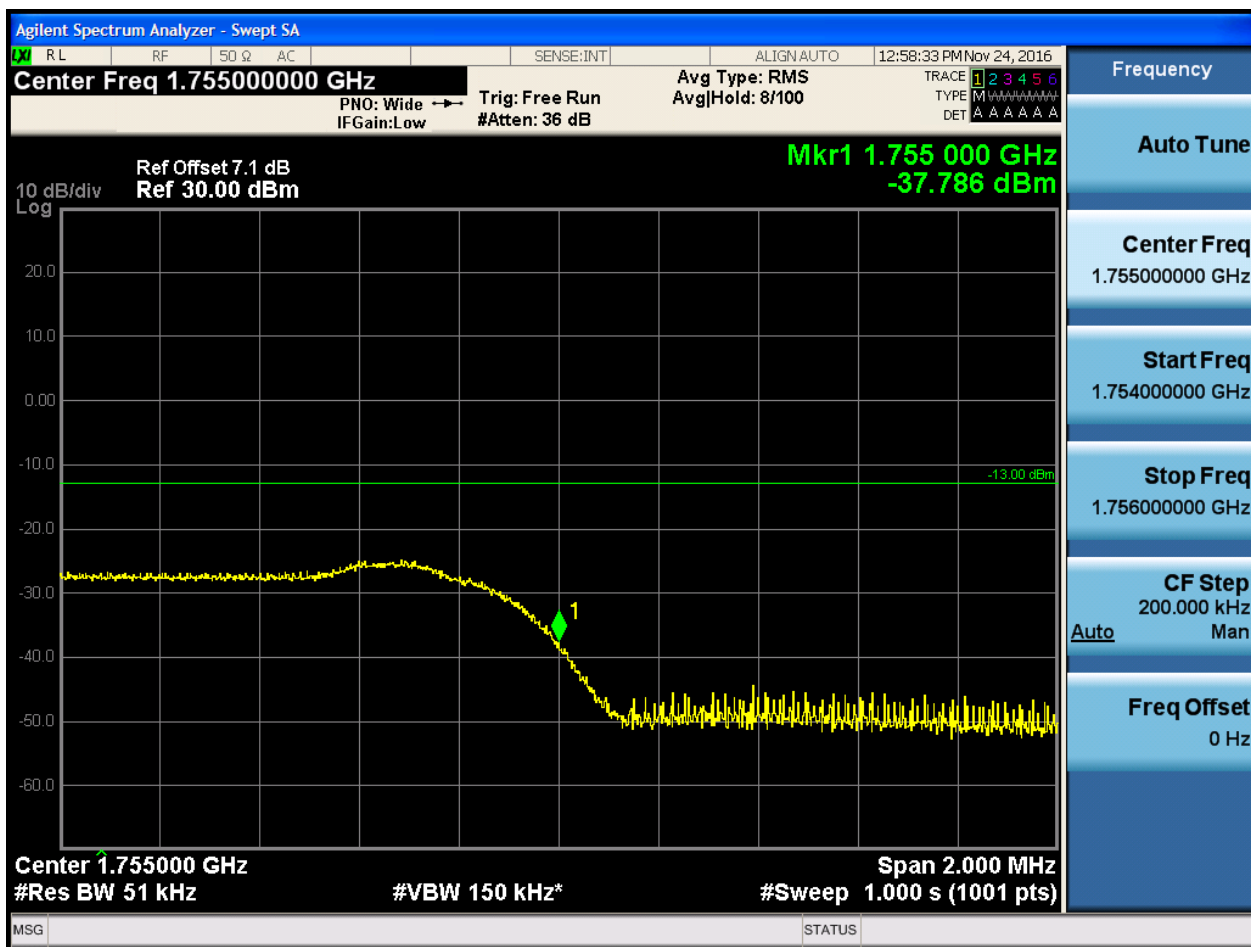
5.1.1.1.3.1.4 Test RB = RB25#0





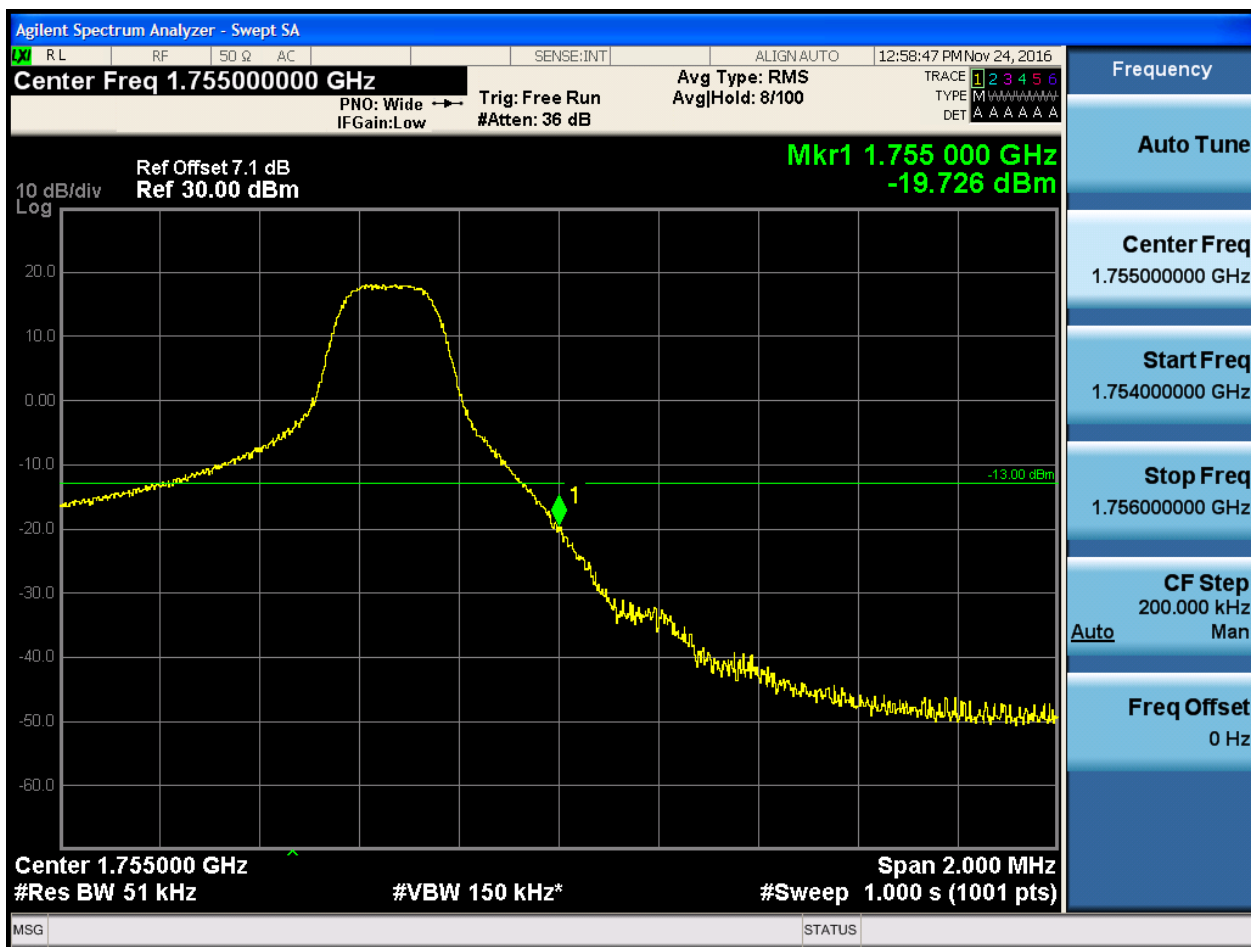
5.1.1.1.3.2 Test Channel = HCH

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:59:16 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-30.014 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

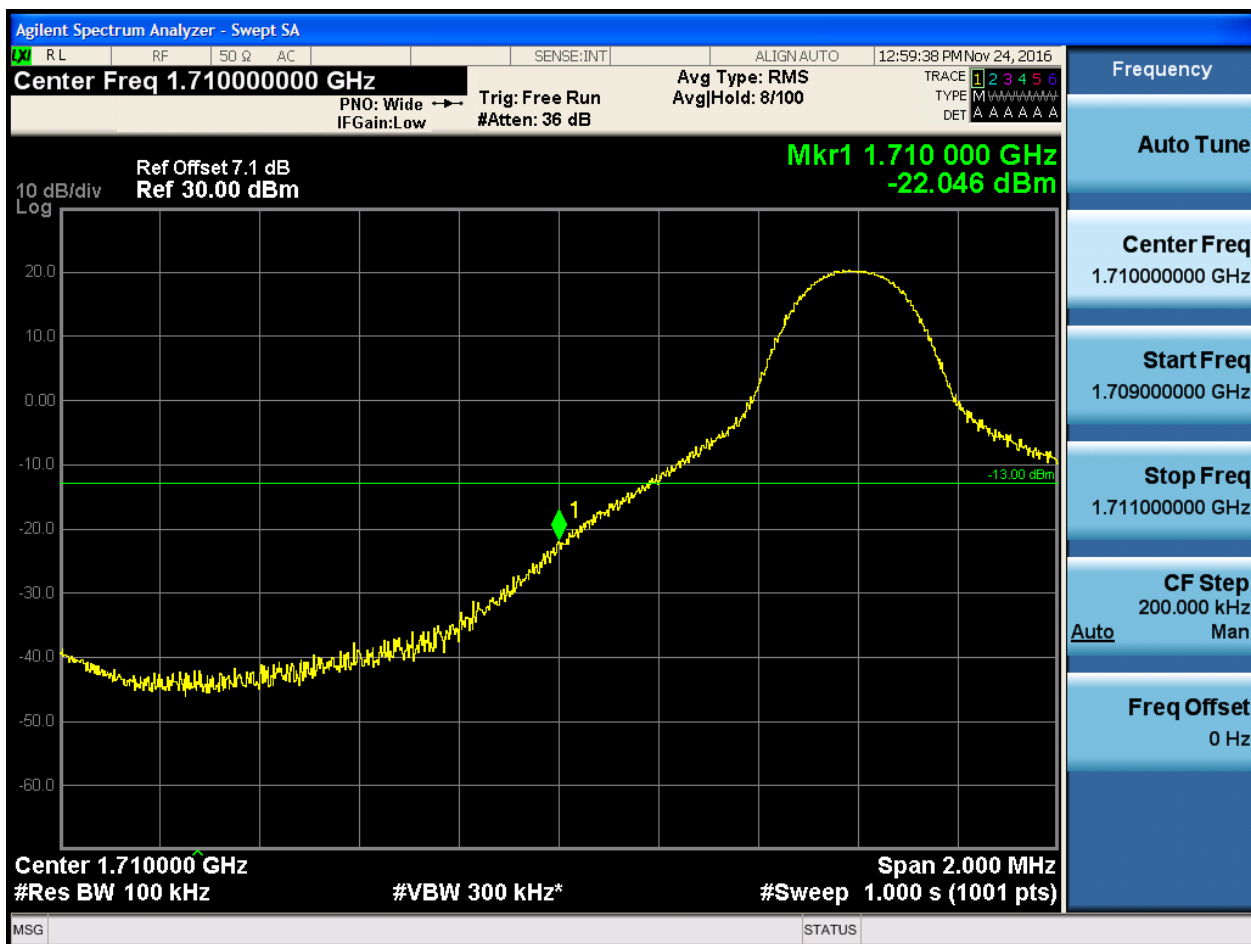
Freq Offset
0 Hz



5.1.1.1.4 Test Bandwidth = 10

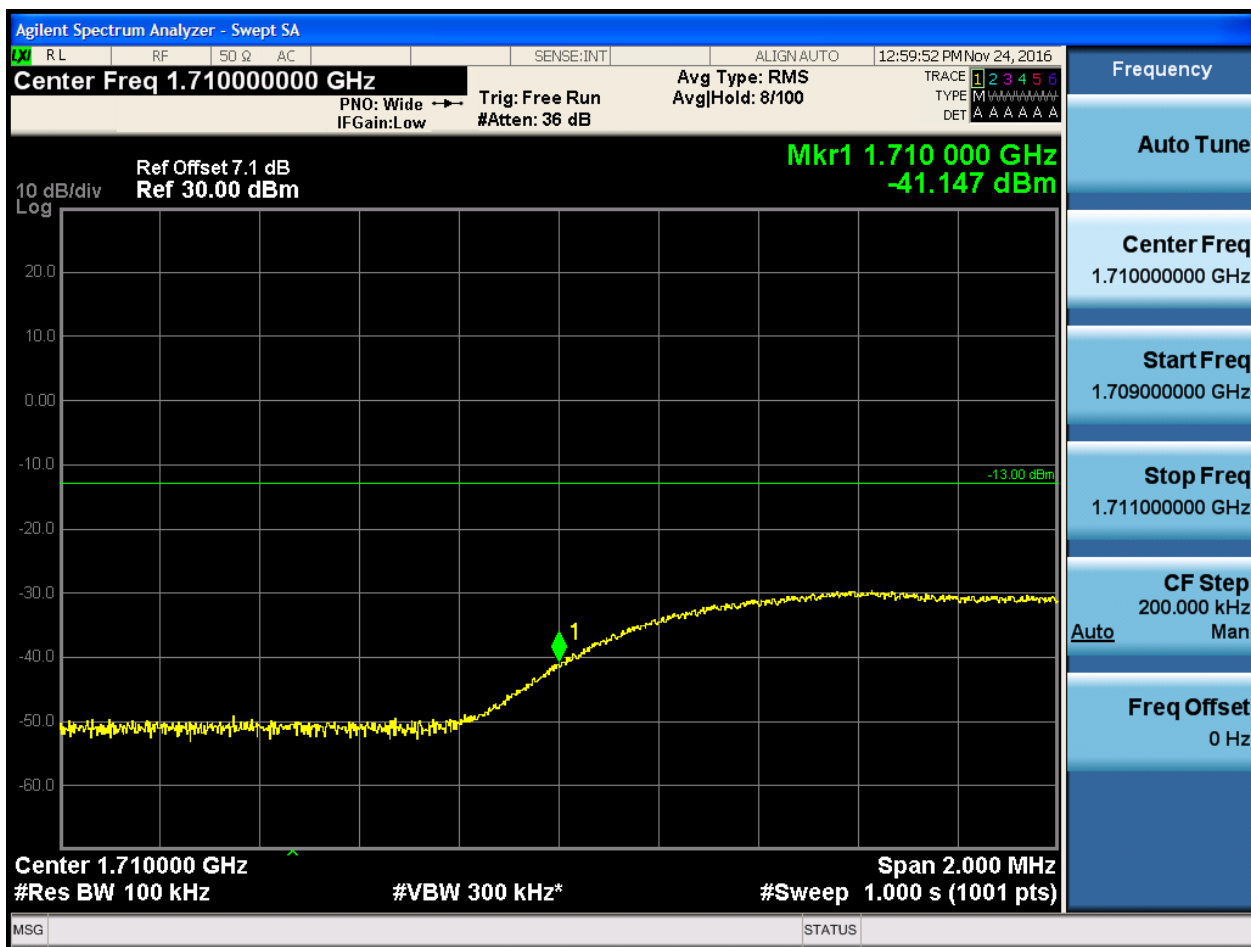
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:00:06 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide Trg: Free Run
IFGain:Low #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 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-33.842 dBm

10 dB/div
Log

-13.00 dBm

Center 1.710000 GHz
#Res BW 100 kHz
#VBW 300 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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:00:21 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run AvgHold: 8/100
IFGain:Low #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

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

10 dB/div
Log

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-32.614 dBm

-13.00 dBm

Center 1.710000 GHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-24.230 dBm

Center Freq 1.755000000 GHz

Start Freq 1.754000000 GHz

Stop Freq 1.756000000 GHz

CF Step 200.000 kHz
Auto

Freq Offset 0 Hz

Center 1.755000 GHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:01:09 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 030 GHz
-33.437 dBm

10 dB/div
Log

-13.00 dBm

Center 1.755000 GHz
#Res BW 100 kHz
#VBW 300 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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:01:23 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-32.230 dBm

10 dB/div
Log

-13.00 dBm

Center 1.755000 GHz
#Res BW 100 kHz
#VBW 300 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

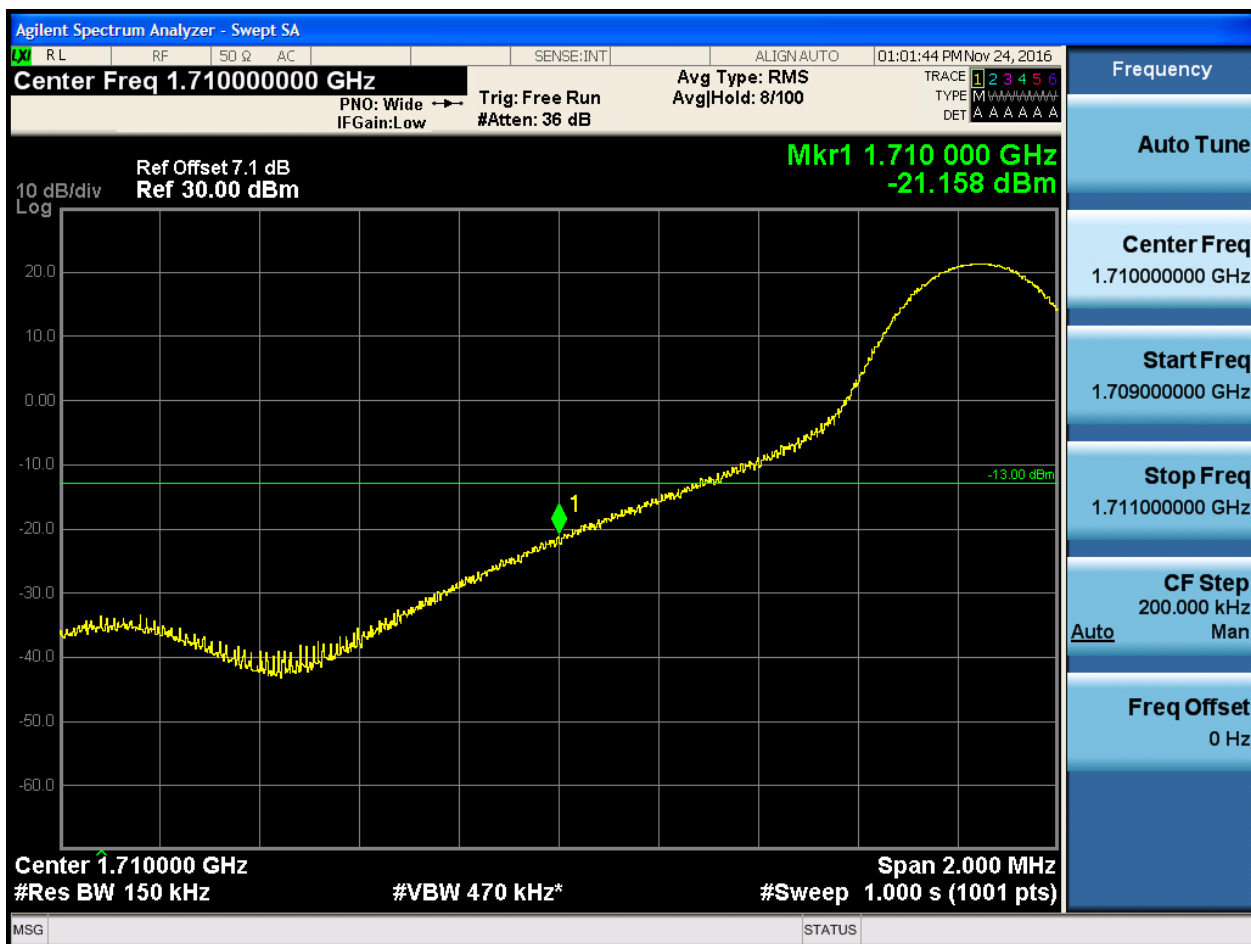
Freq Offset
0 Hz



5.1.1.1.5 Test Bandwidth = 15

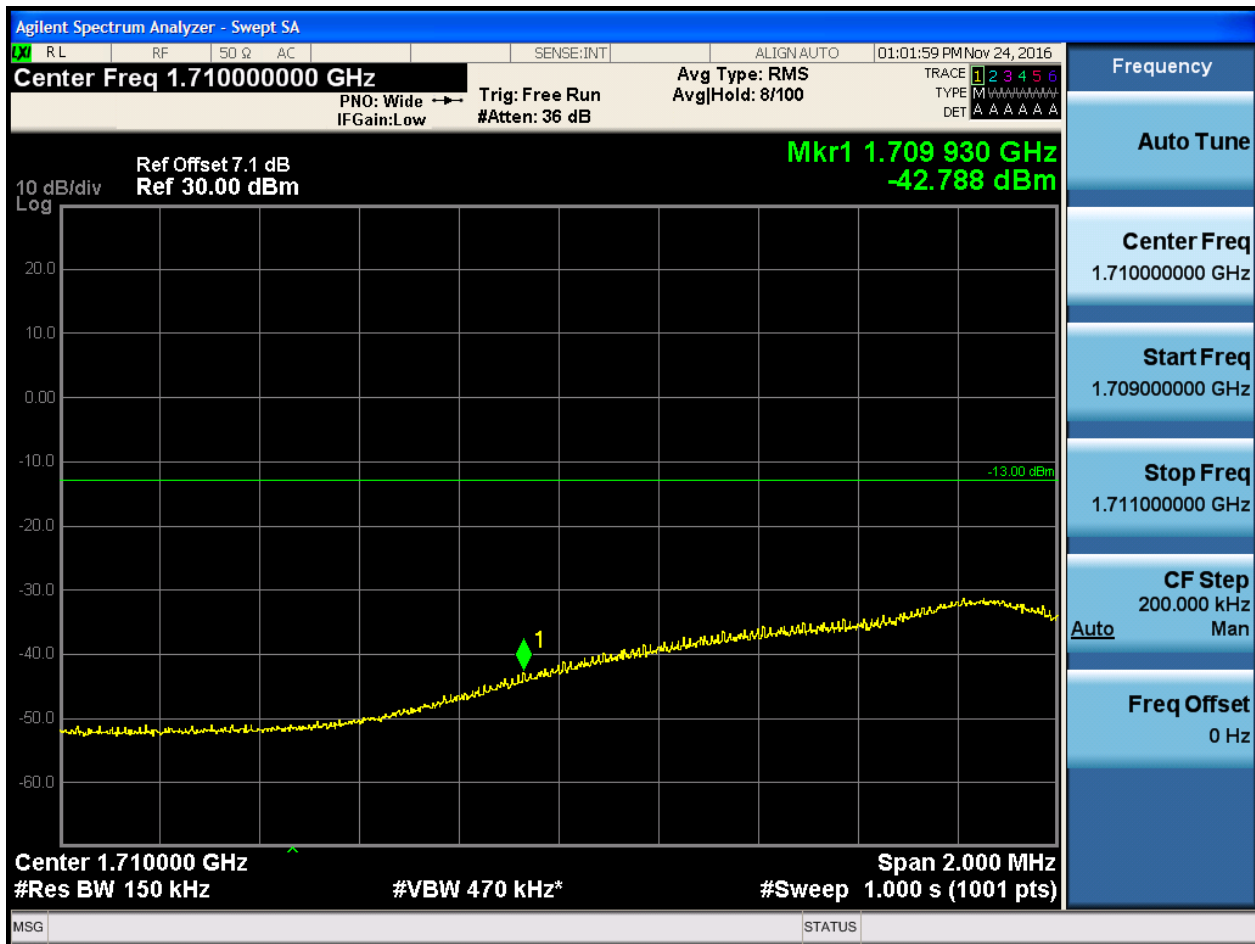
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 980 GHz
-34.874 dBm

10 dB/div
Log

Center 1.710000 GHz
#Res BW 150 kHz
#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

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

MSG STATUS



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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:03:01 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-21.345 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 150 kHz

#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 010 GHz
-33.556 dBm

Center 1.755000 GHz
#Res BW 150 kHz
#VBW 470 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg|Hold: 8/100

Frequency

Auto Tune

Center Freq
1.75500000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

The image shows a screenshot of an Agilent Spectrum Analyzer in Swept SA mode. The main display is a log-frequency plot with a center frequency of 1.75500000 GHz and a span of 2.000 MHz. The vertical axis represents power in dBm, ranging from -60.0 to 20.0 dBm. A horizontal green line indicates the noise floor at -33.556 dBm. A yellow trace shows the swept spectrum, which is relatively flat and noisy, centered around -33.5 dBm. A green diamond marker labeled '1' is placed on the trace at the center frequency. The top of the screen displays various settings: Center Freq 1.75500000 GHz, Ref Offset 7.1 dB, Ref 30.00 dBm, 10 dB/div, Log, Mkr1 1.755 010 GHz, -33.556 dBm, Trig: Free Run, #Atten: 36 dB, Avg Type: RMS, Avg|Hold: 8/100, and Frequency. The bottom of the screen shows: Center 1.755000 GHz, #Res BW 150 kHz, #VBW 470 kHz*, Span 2.000 MHz, #Sweep 1.000 s (1001 pts), and MSG. On the right side, there is a vertical menu with options: Frequency, Auto Tune, Center Freq (1.75500000 GHz), Start Freq (1.754000000 GHz), Stop Freq (1.756000000 GHz), CF Step (200.000 kHz, Auto), and Freq Offset (0 Hz).



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:03:29 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-30.930 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 150 kHz
#VBW 470 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

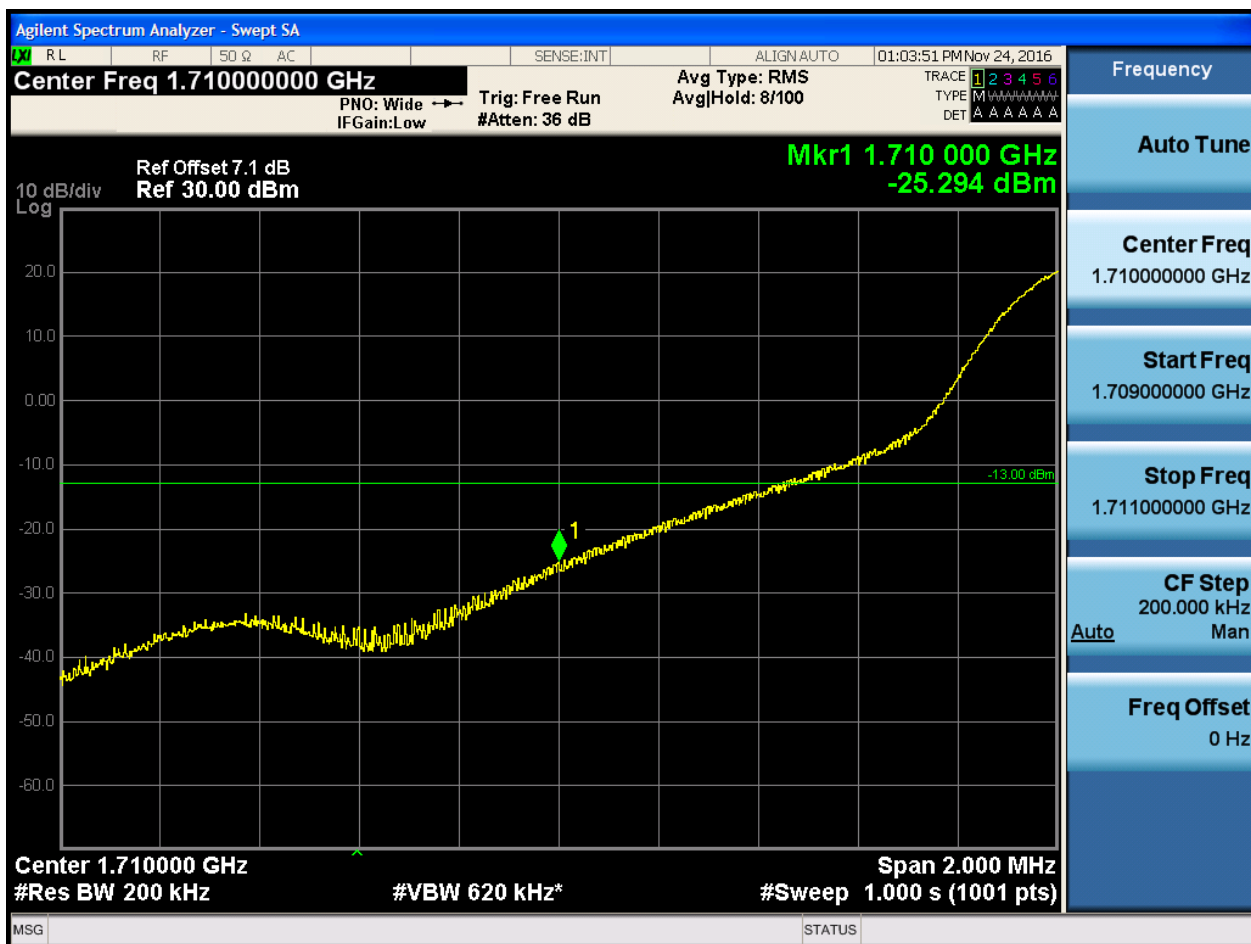
Freq Offset
0 Hz



5.1.1.1.6 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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:04:34 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-34.833 dBm

10 dB/div
Log

Center 1.710000 GHz
#Res BW 200 kHz #VBW 620 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:05:08 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-25.649 dBm

10 dB/div
Log

-13.00 dBm

Center 1.755000 GHz Span 2.000 MHz
#Res BW 200 kHz #VBW 620 kHz* #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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:05:22 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 050 GHz
-33.374 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 200 kHz
#VBW 620 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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:05:36 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-33.334 dBm

10 dB/div
Log

-13.00 dBm

Center 1.755000 GHz
#Res BW 200 kHz

#VBW 620 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

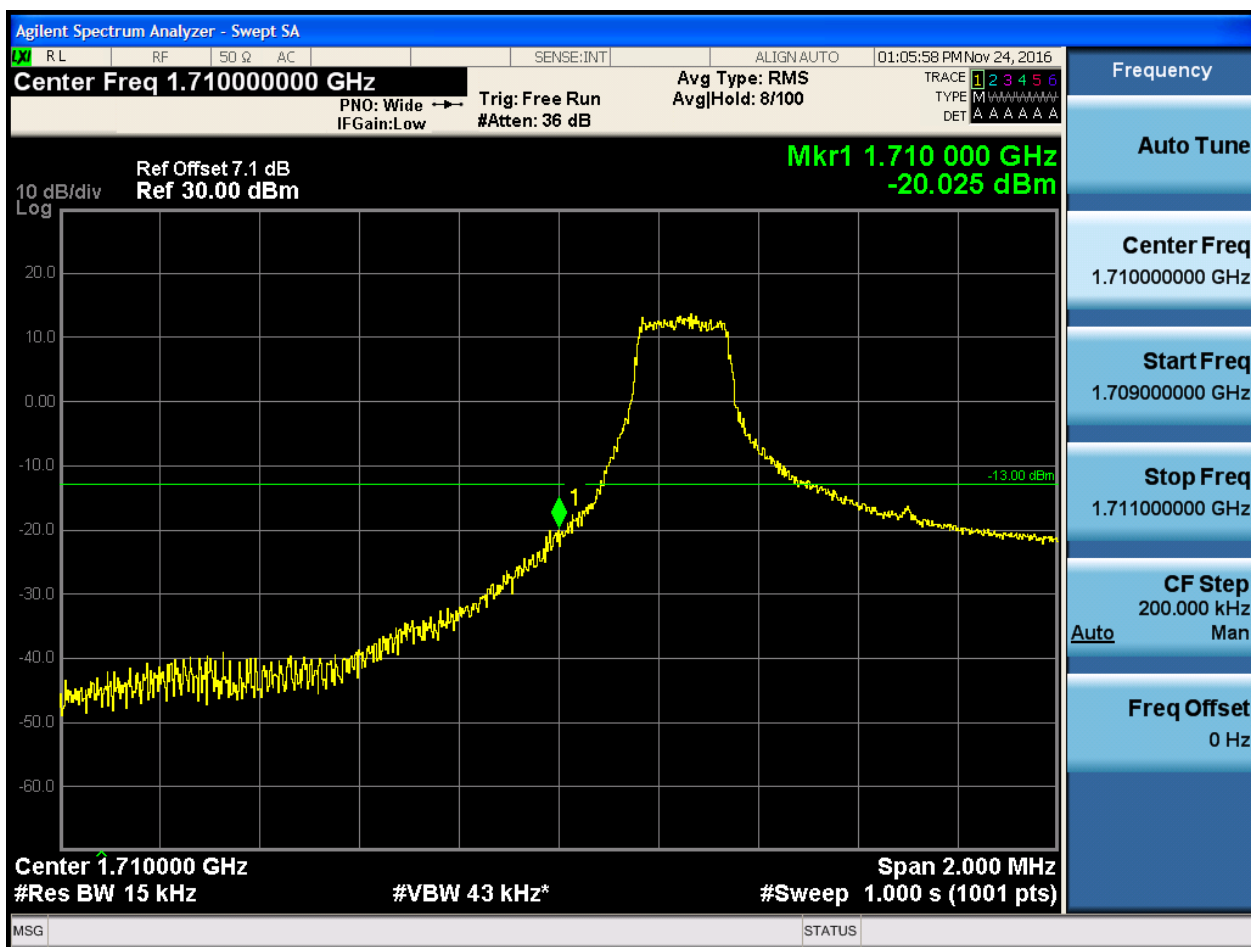


5.1.1.2 Test Mode = LTE/TM2

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:06:12 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 370 GHz
-30.901 dBm

10 dB/div
Log

Center 1.710000 GHz
#Res BW 15 kHz #VBW 43 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 01:06:26 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 990 GHz
-27.457 dBm

10 dB/div
Log

Center 1.710000 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
1.710000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:06:41 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run AvgHold: 8/100
IFGain:Low #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 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 930 GHz
-26.060 dBm

10 dB/div
Log

Center 1.710000 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 1.710000000 GHz
Start Freq 1.709000000 GHz
Stop Freq 1.711000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



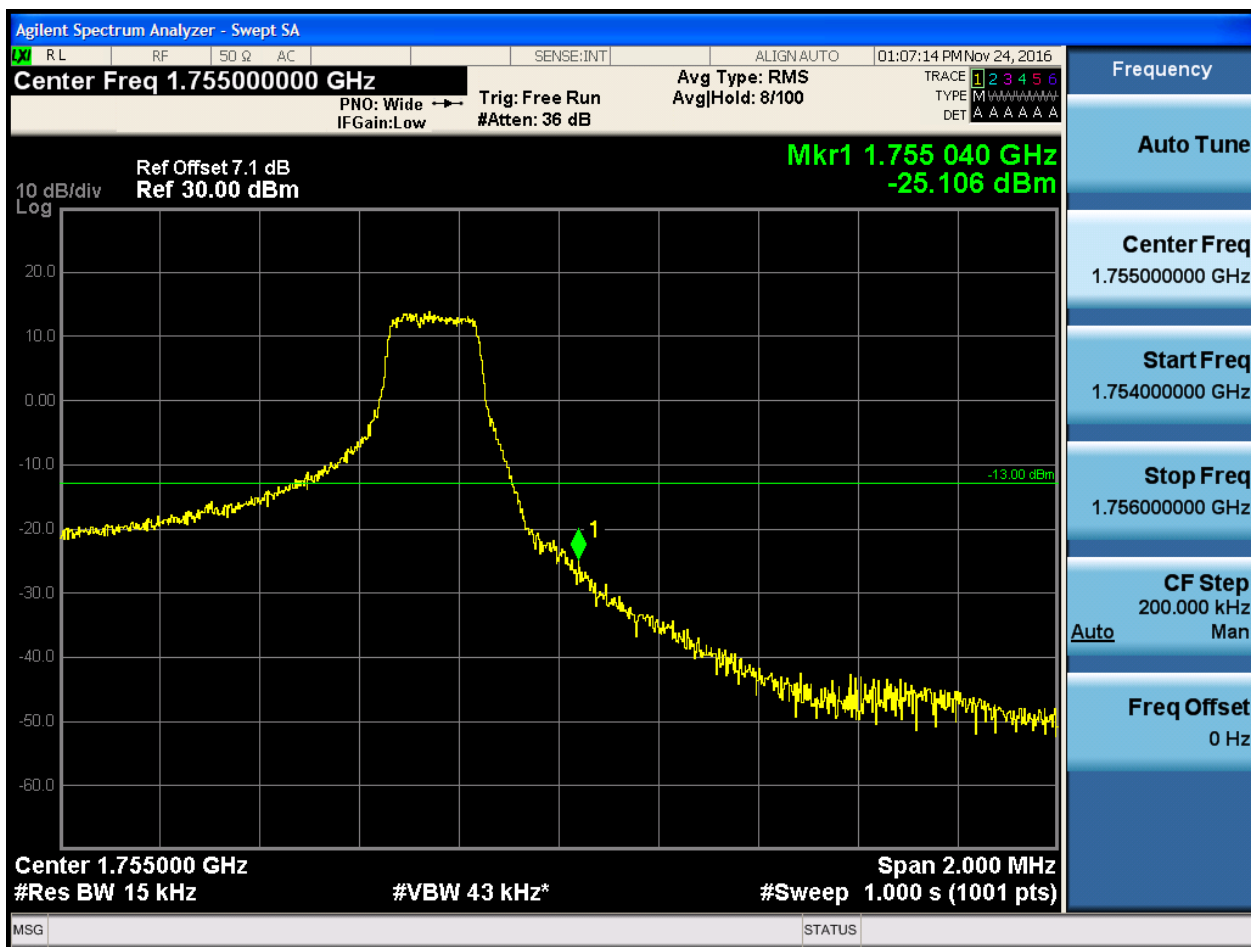
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5

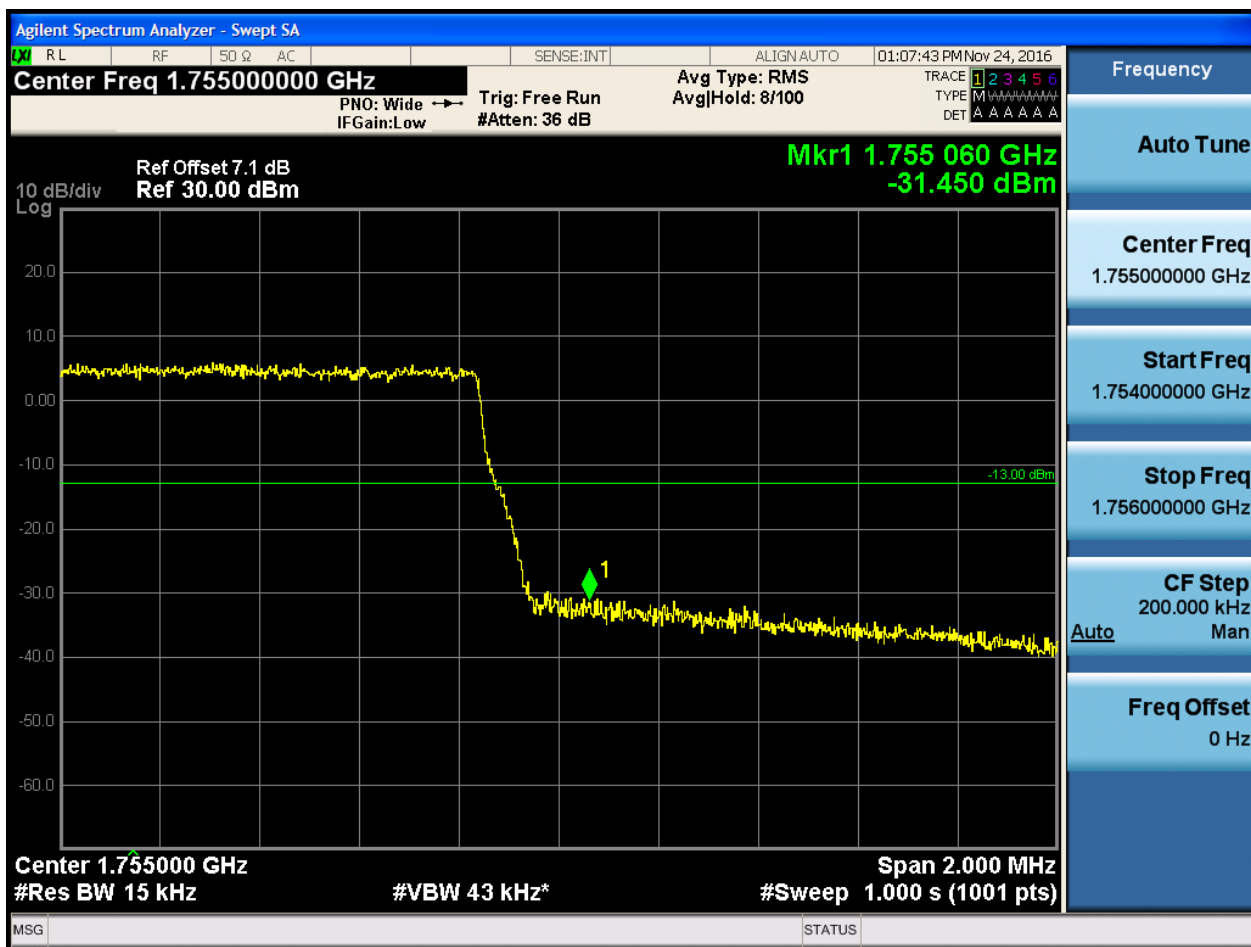




5.1.1.2.1.2.3 Test RB = RB3#2



5.1.1.2.1.2.4 Test RB = RB6#0

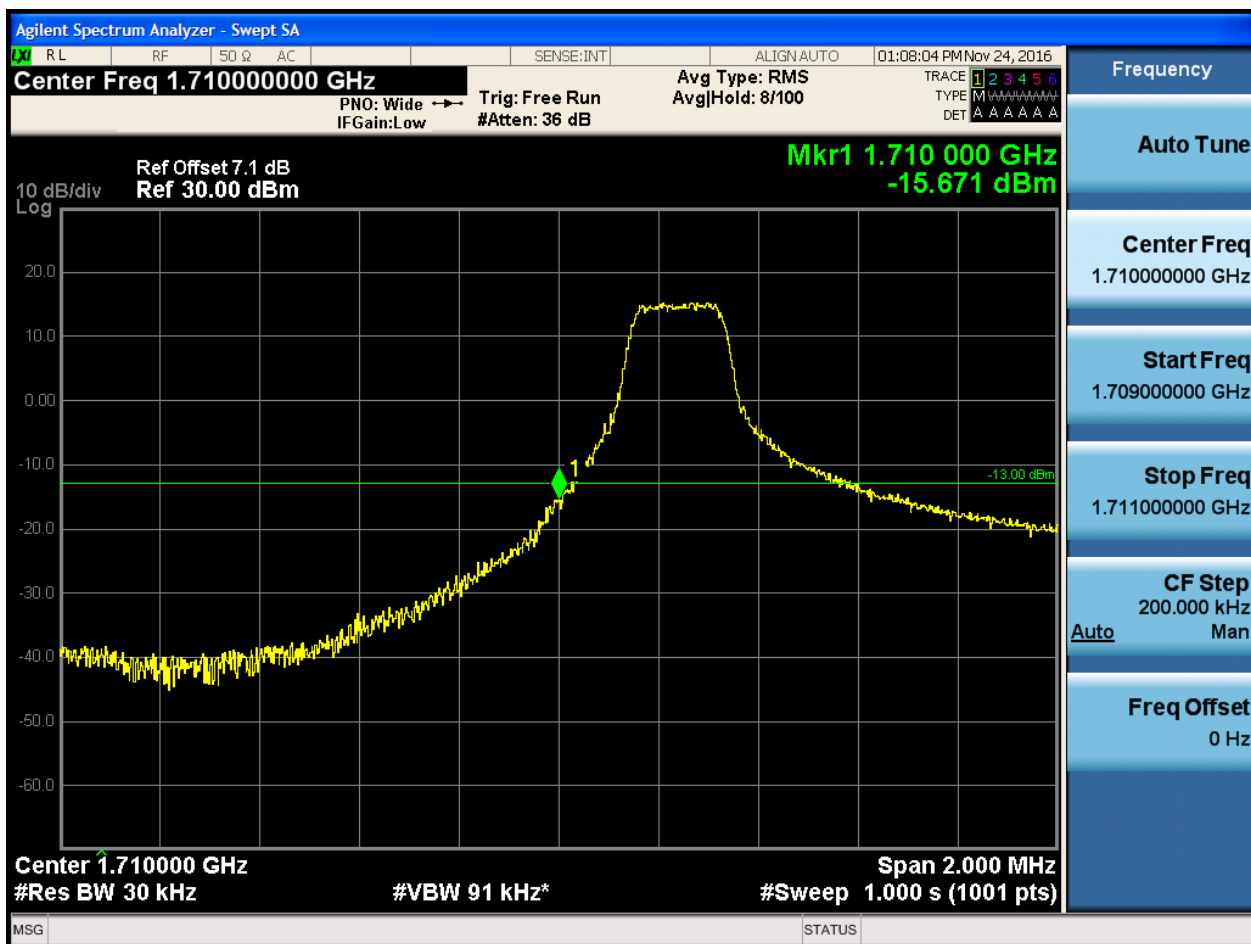




5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:08:19 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#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 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-33.220 dBm

10 dB/div
Log

-13.00 dBm

Center 1.710000 GHz
#Res BW 30 kHz
#VBW 91 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

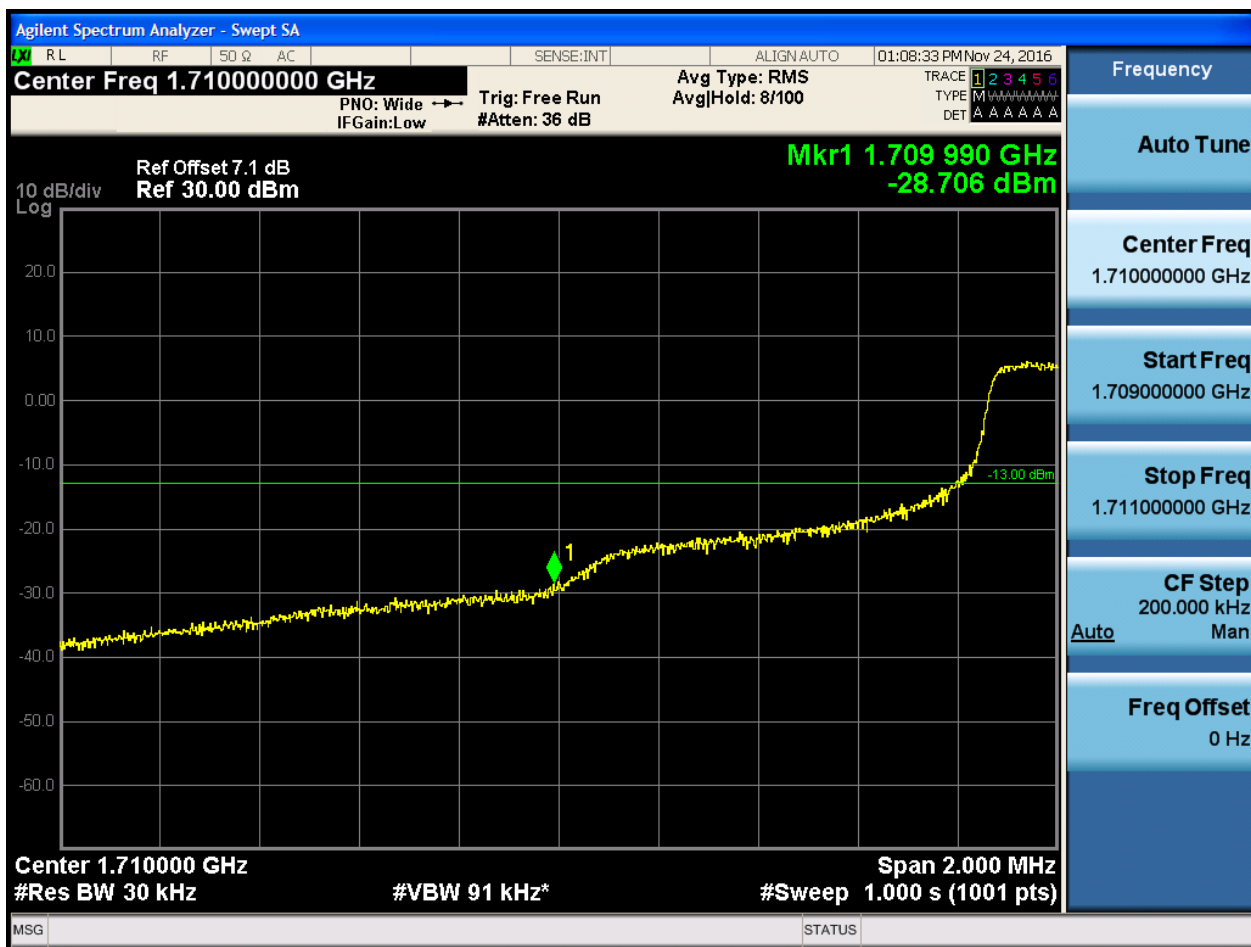
Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

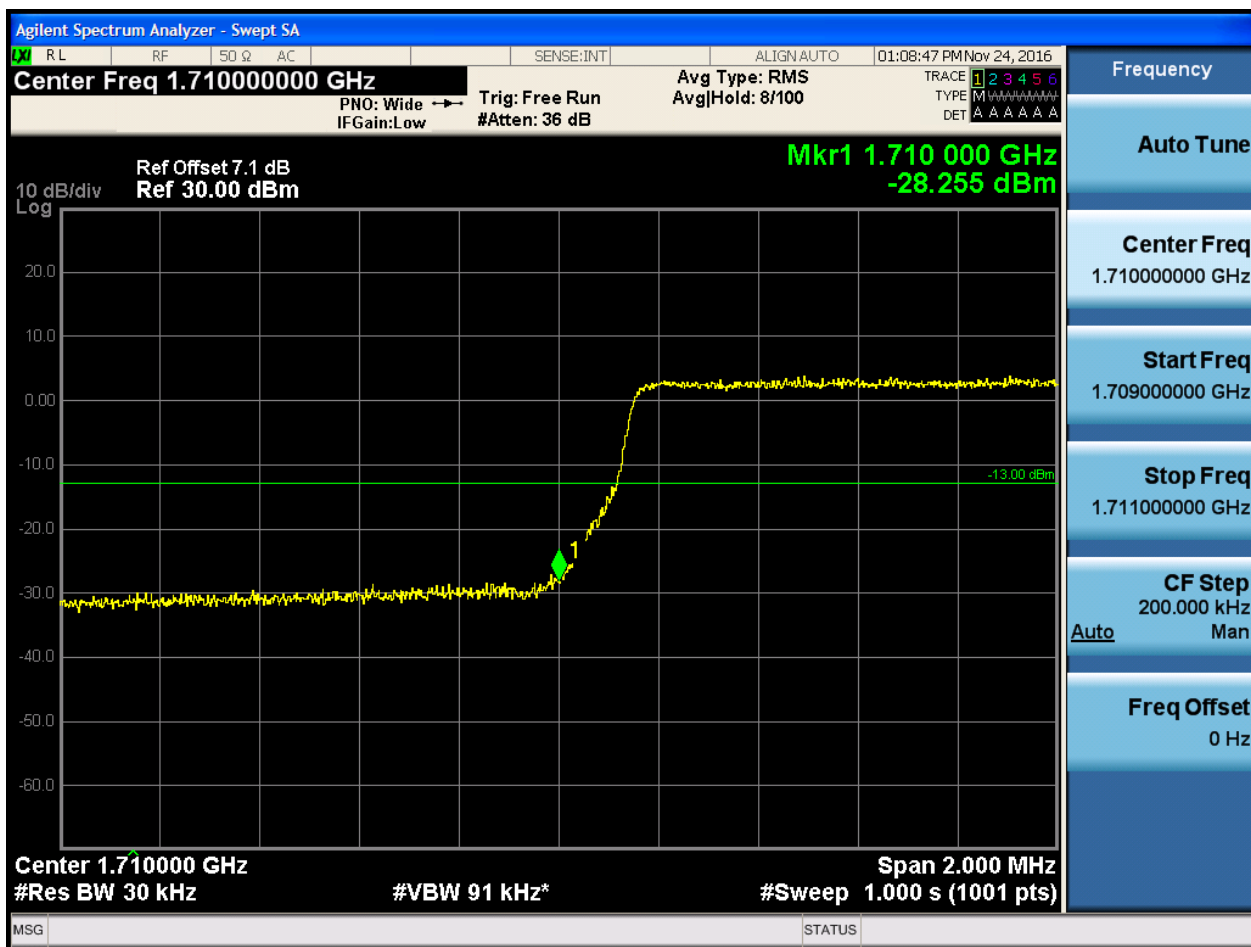


5.1.1.2.2.1.3 Test RB = RB8#4





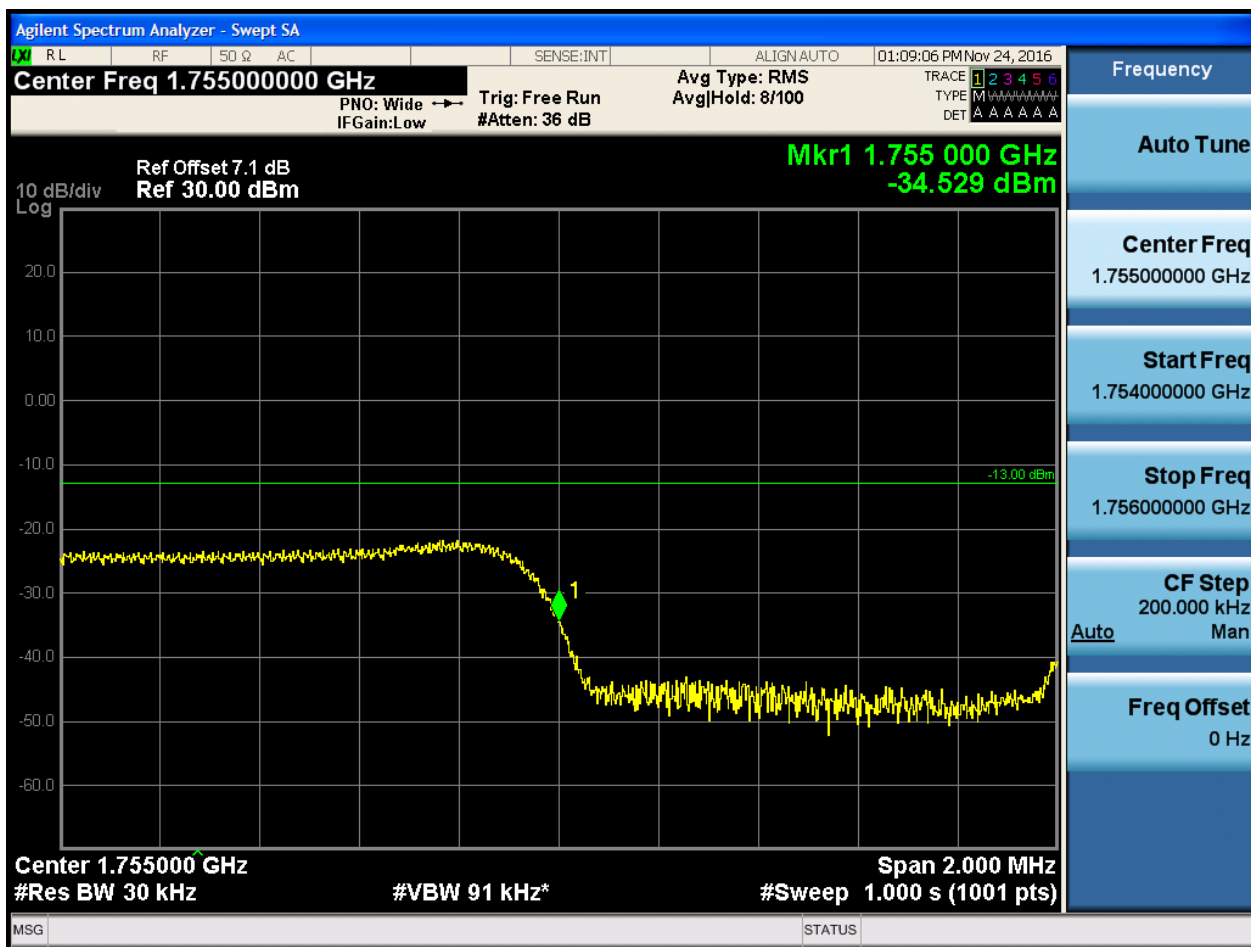
5.1.1.2.2.1.4 Test RB = RB15#0





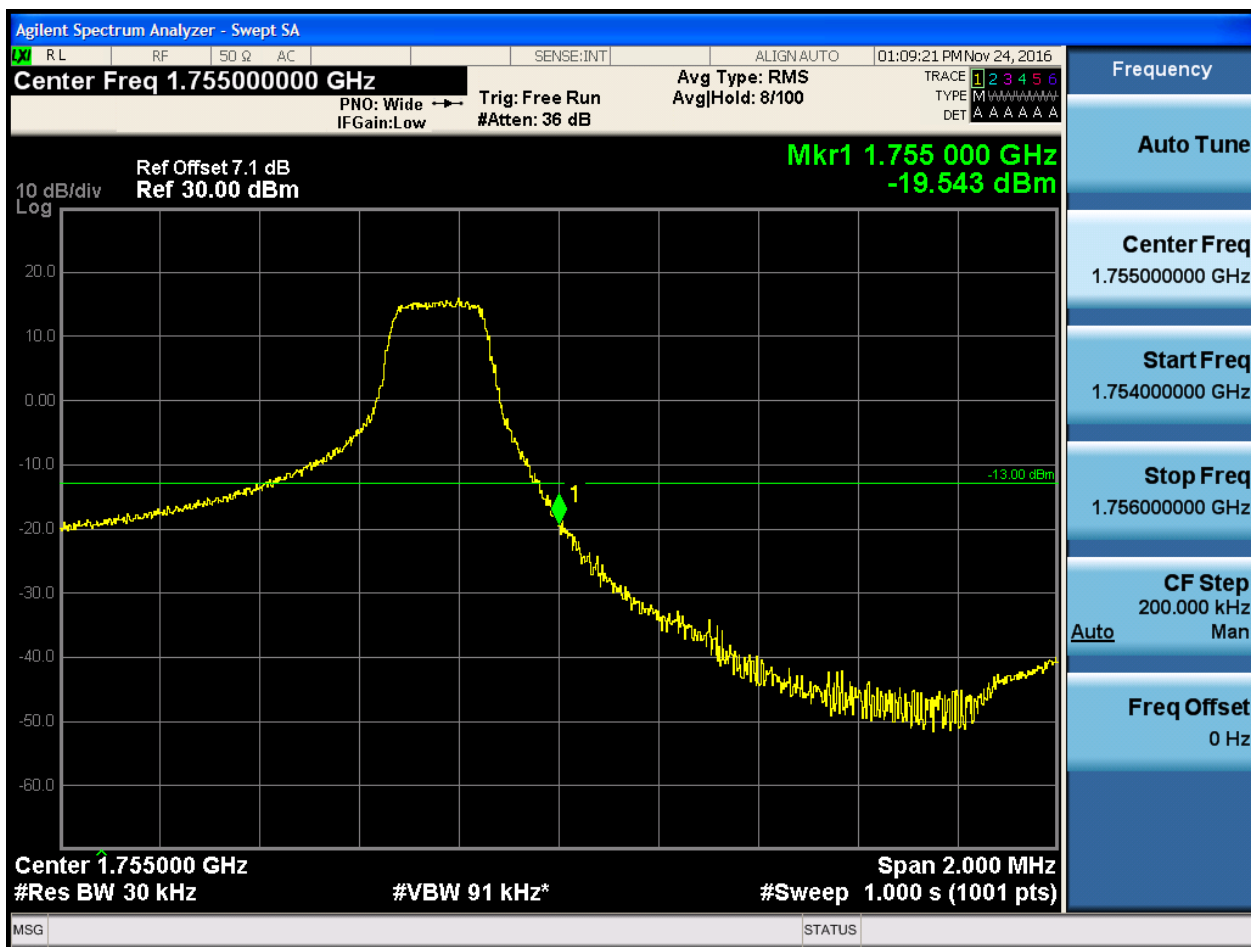
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-30.559 dBm

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

Span 2.000 MHz
#Sweep 1.000 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
Auto

Freq Offset
0 Hz

MSG STATUS