



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
			HCH	RB6#0	21.92	22.92	30	PASS
				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:

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

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

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

$$\text{SET Sweep time} = \text{auto-couple.}$$

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
			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
		15	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
			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
		3	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
				RB25#0	6.69	13	PASS
			MCH	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
			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
				RB25#0	6.65	13	PASS
		10	LCH	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

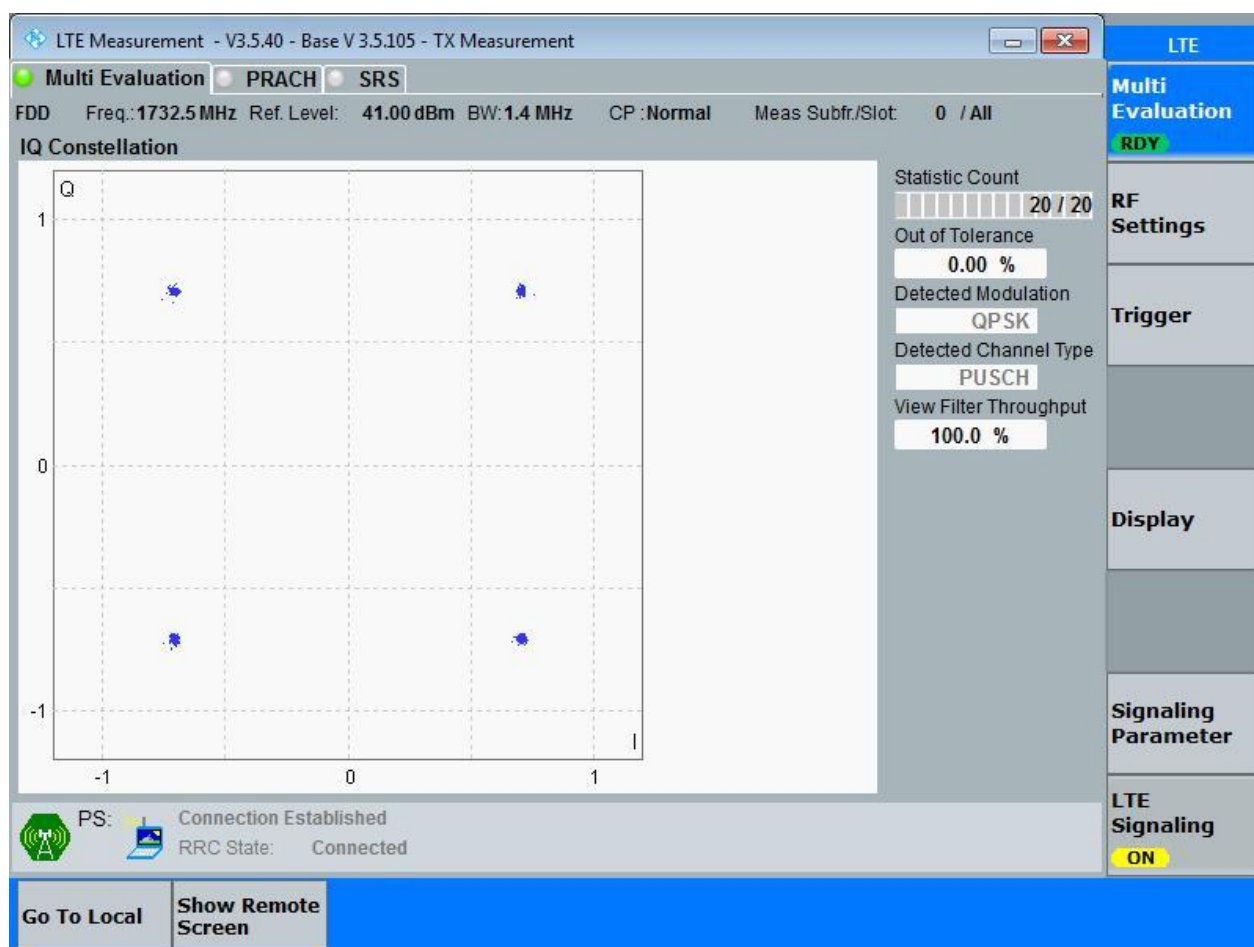
3.1.1 Test Band = BAND4

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

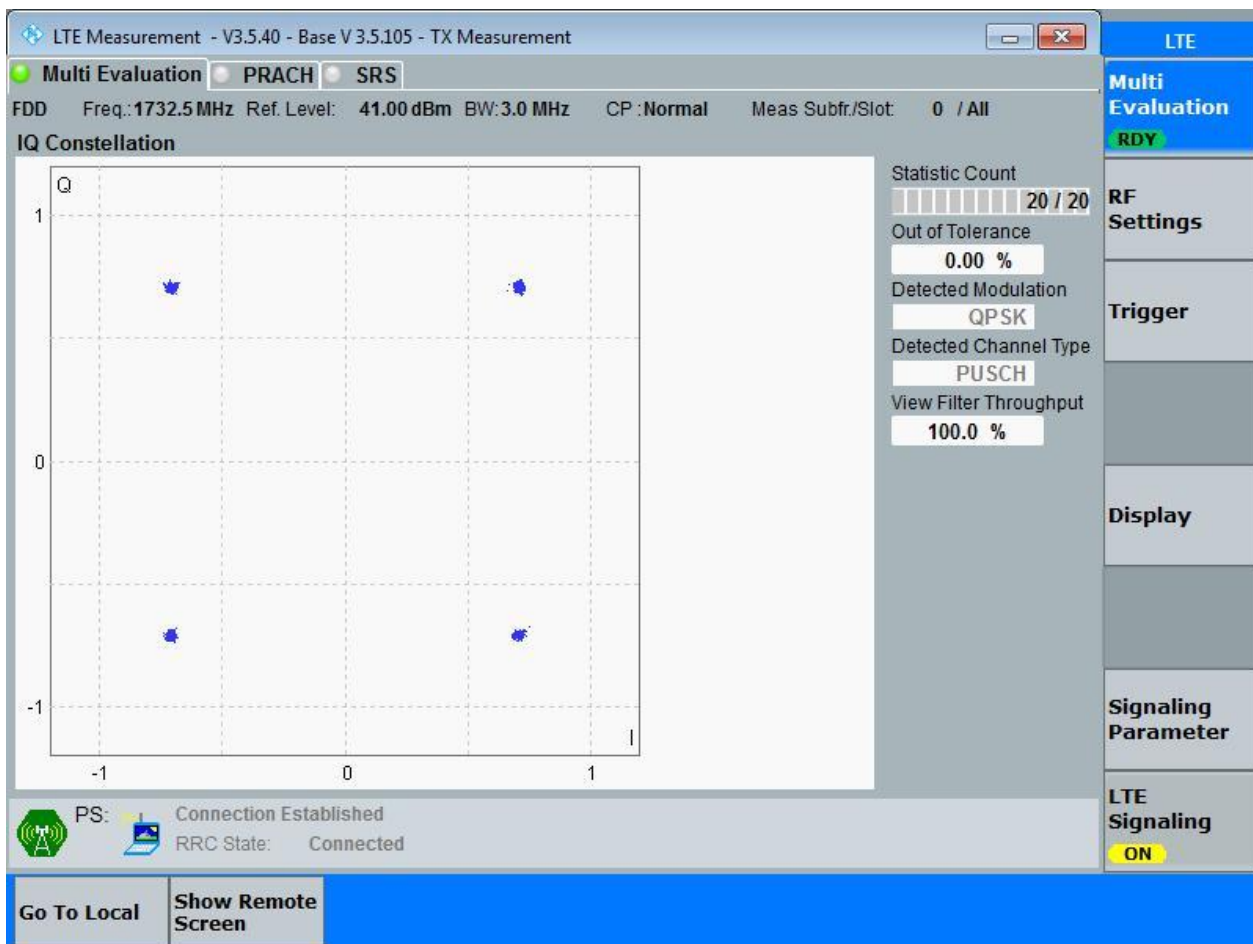
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

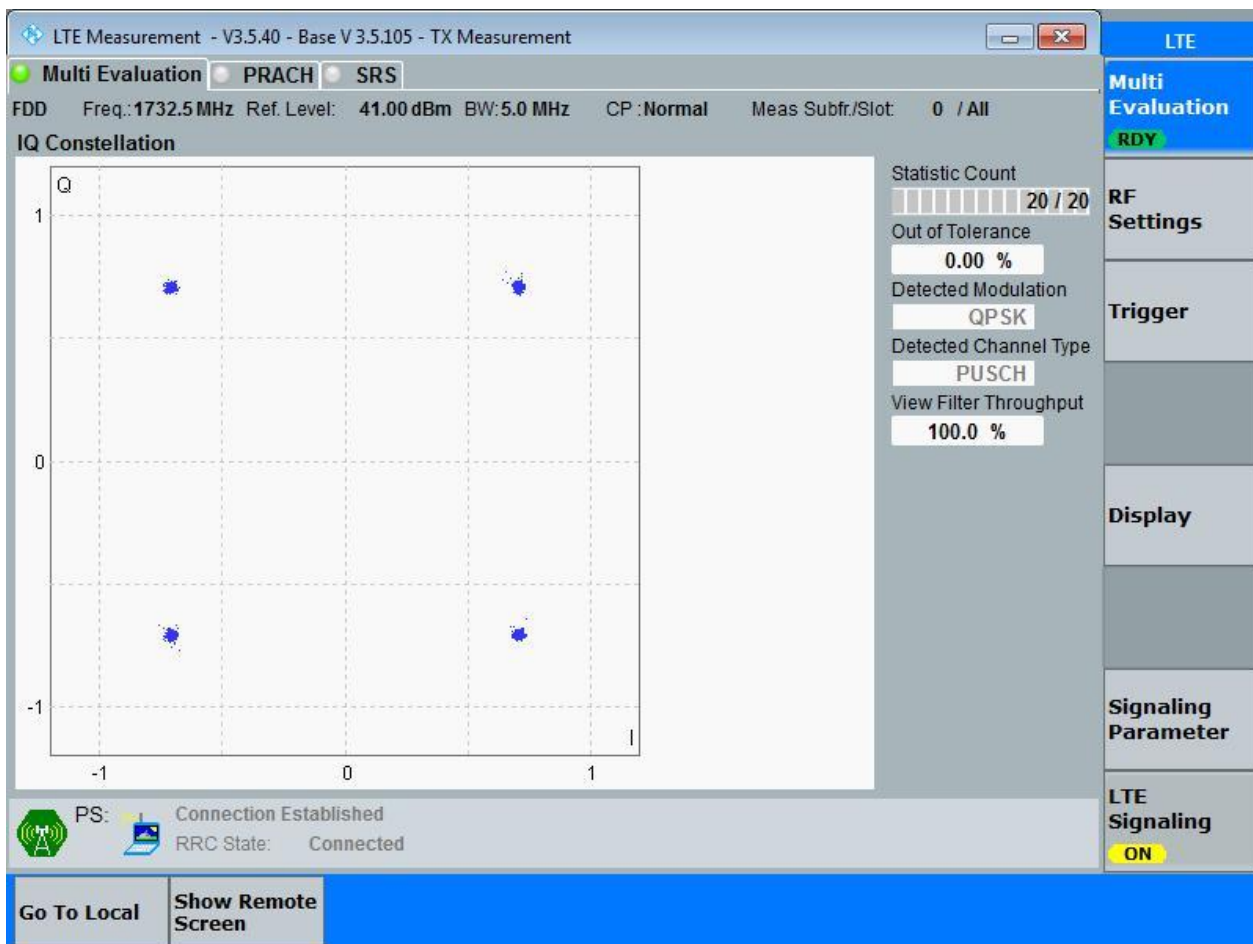
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

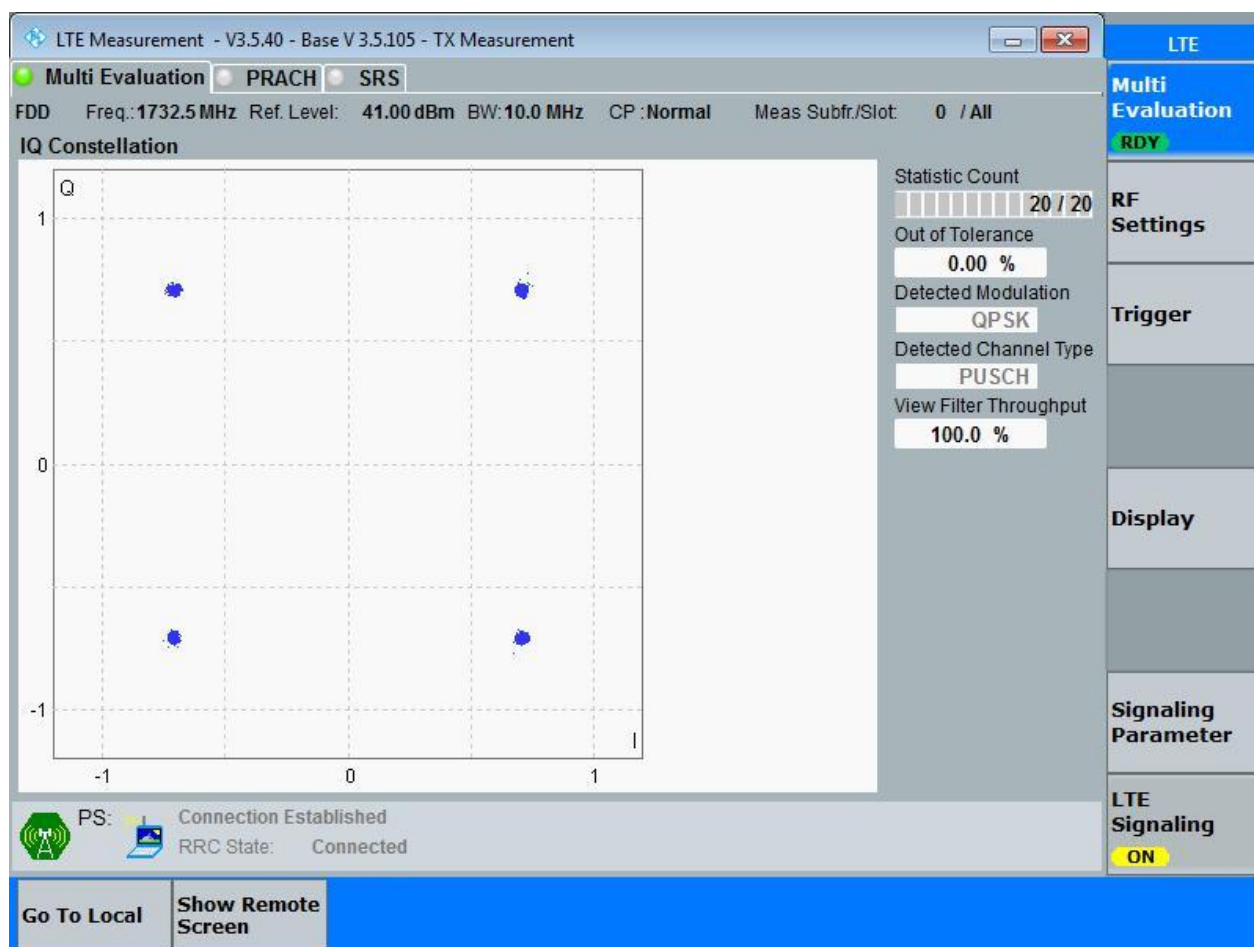
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

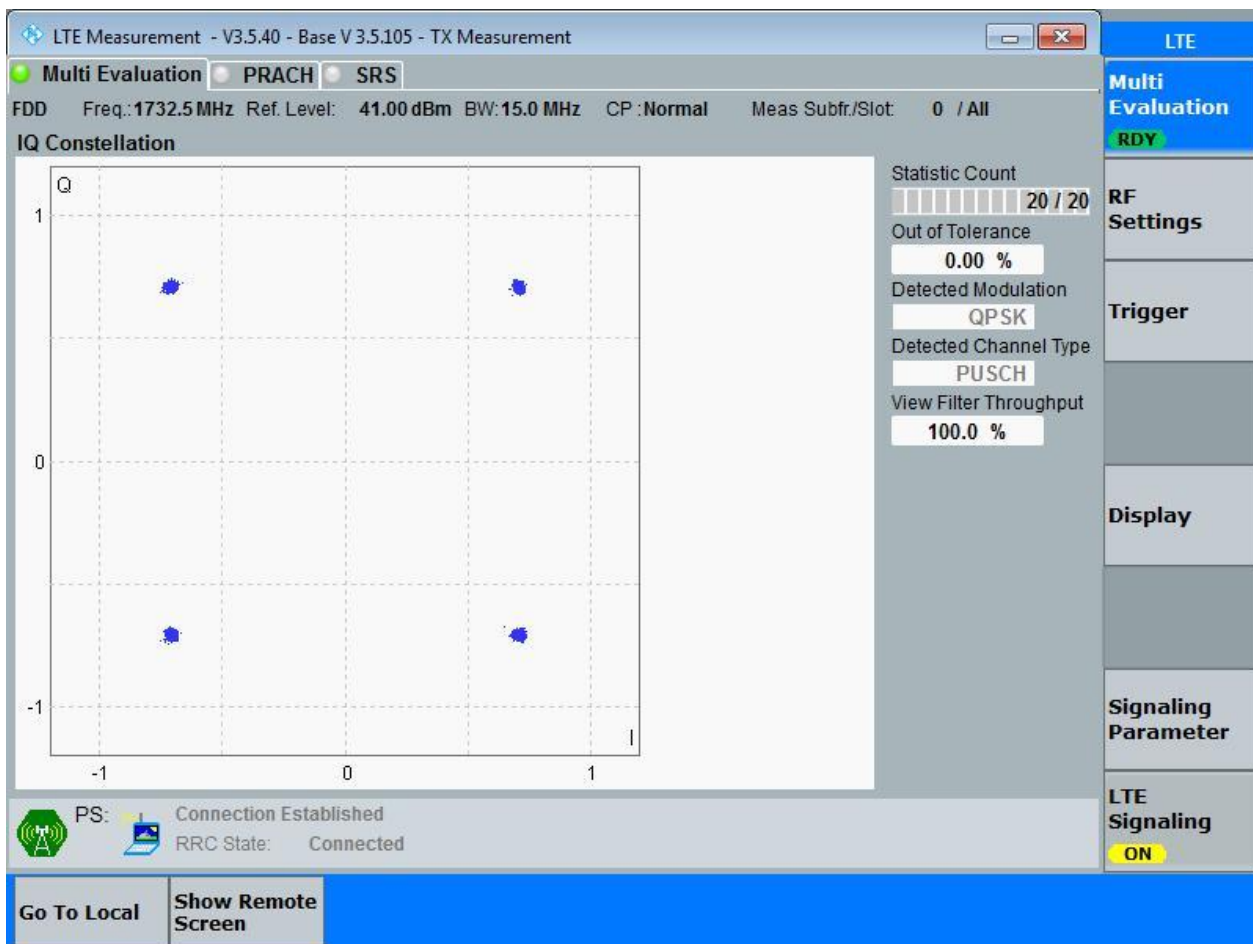
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

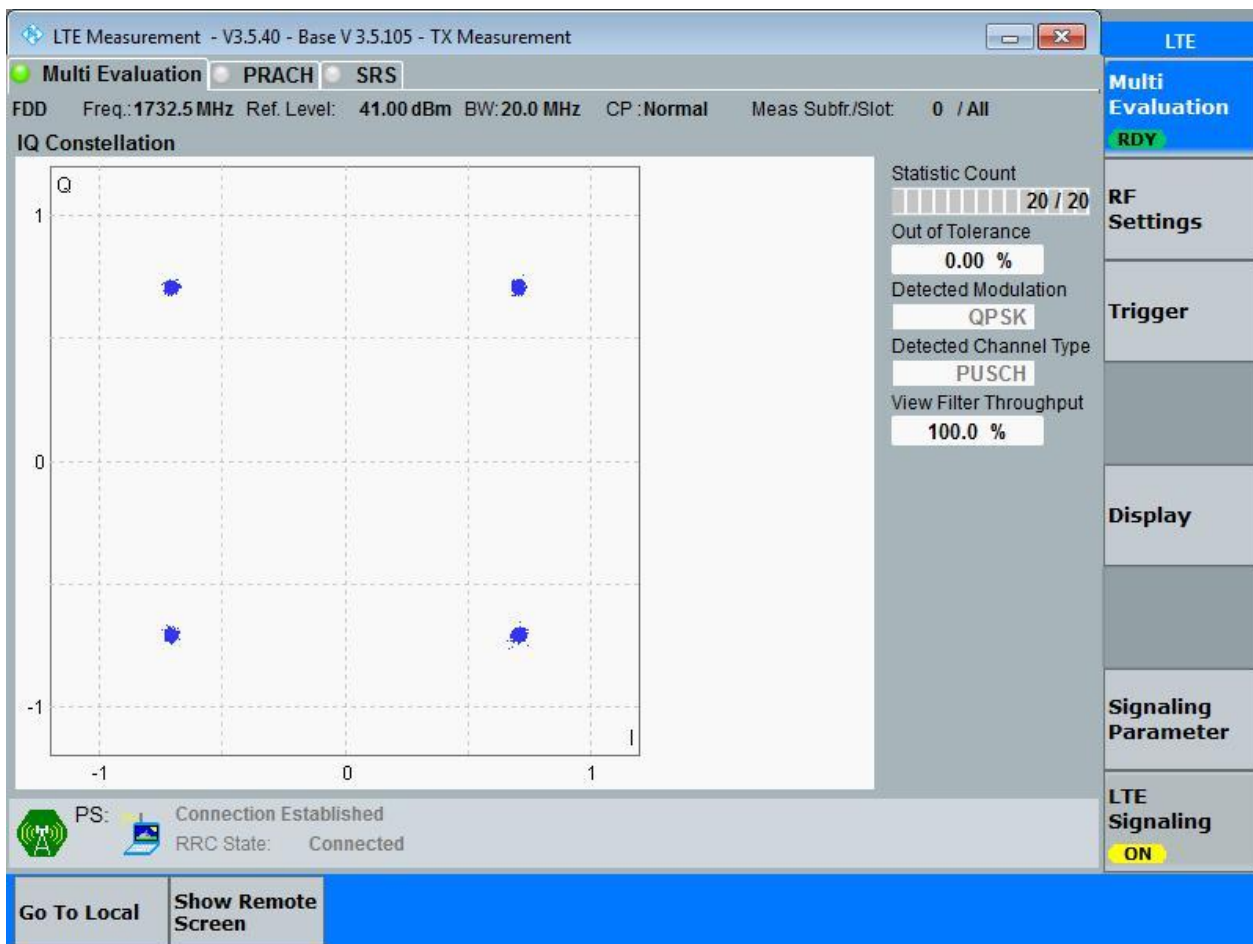
3.1.1.1.5.1.1 Test RB = RB75#0



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

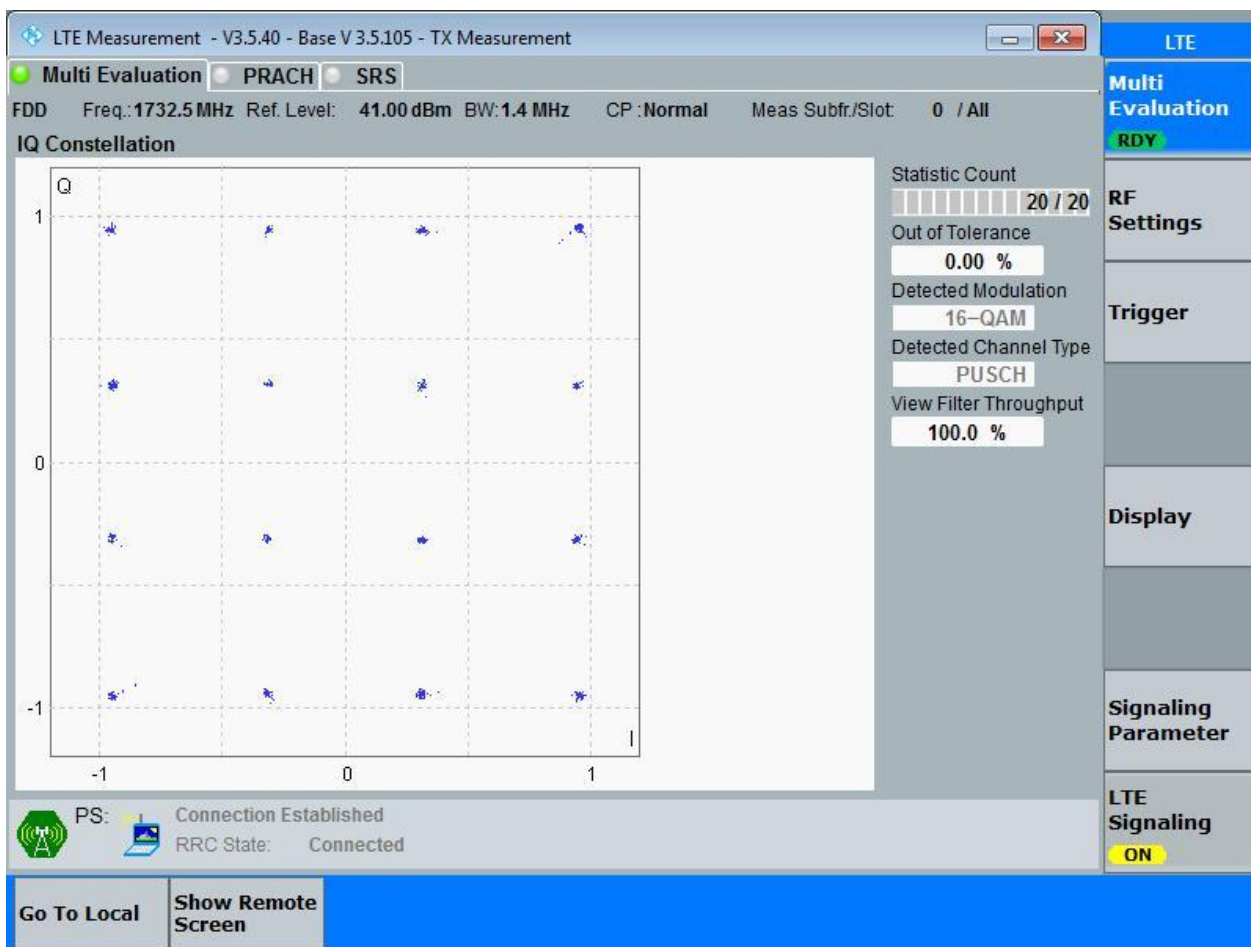


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

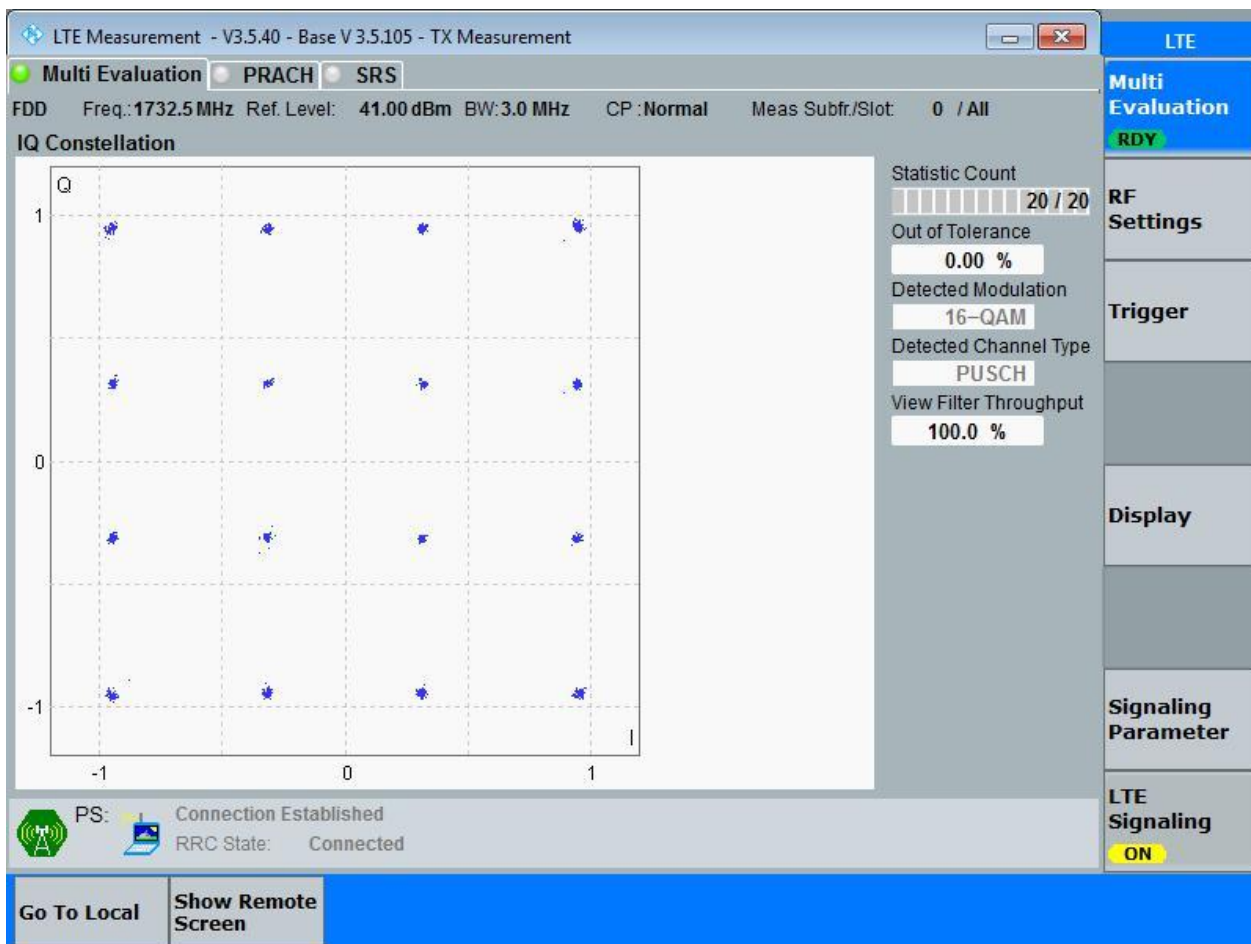
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

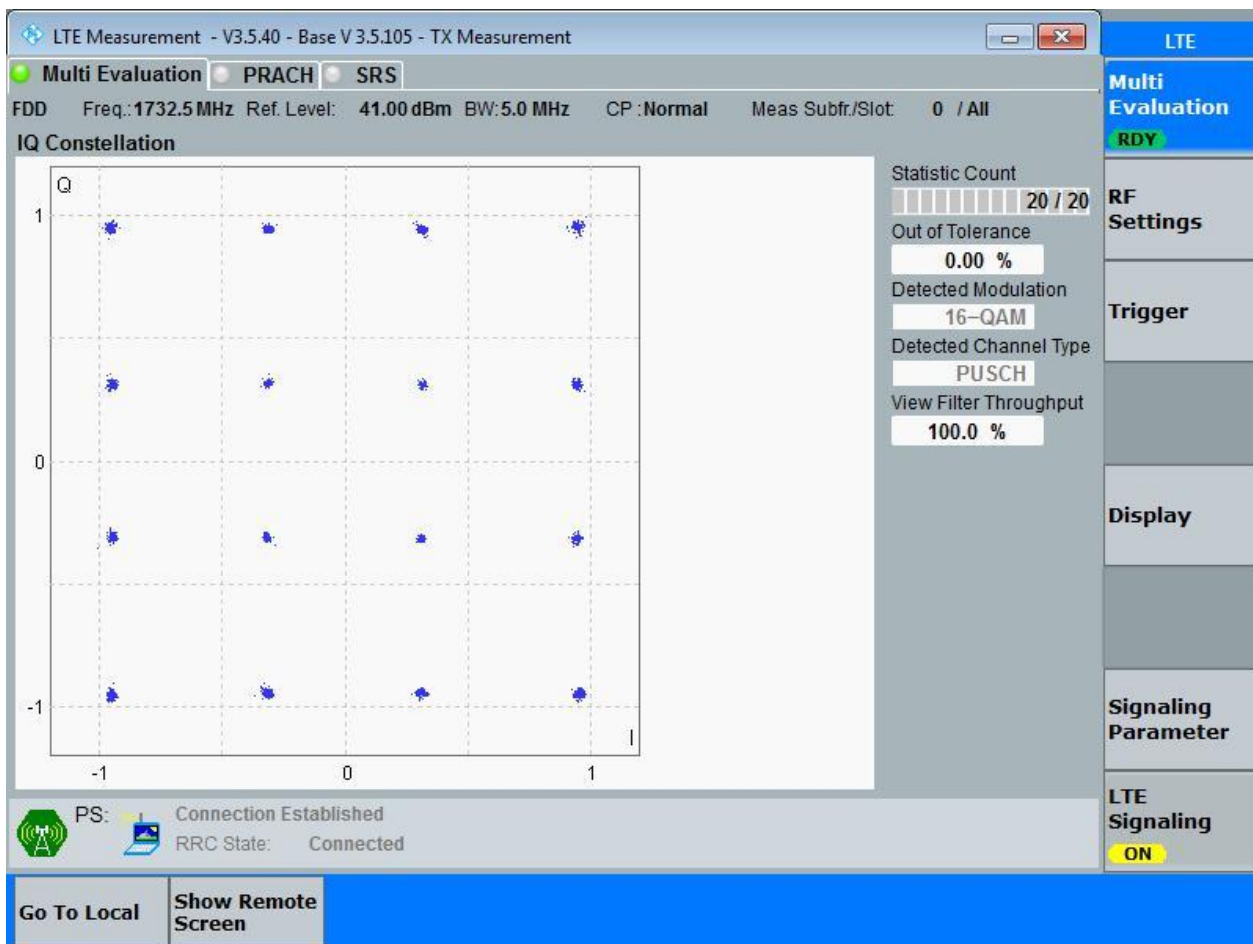
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

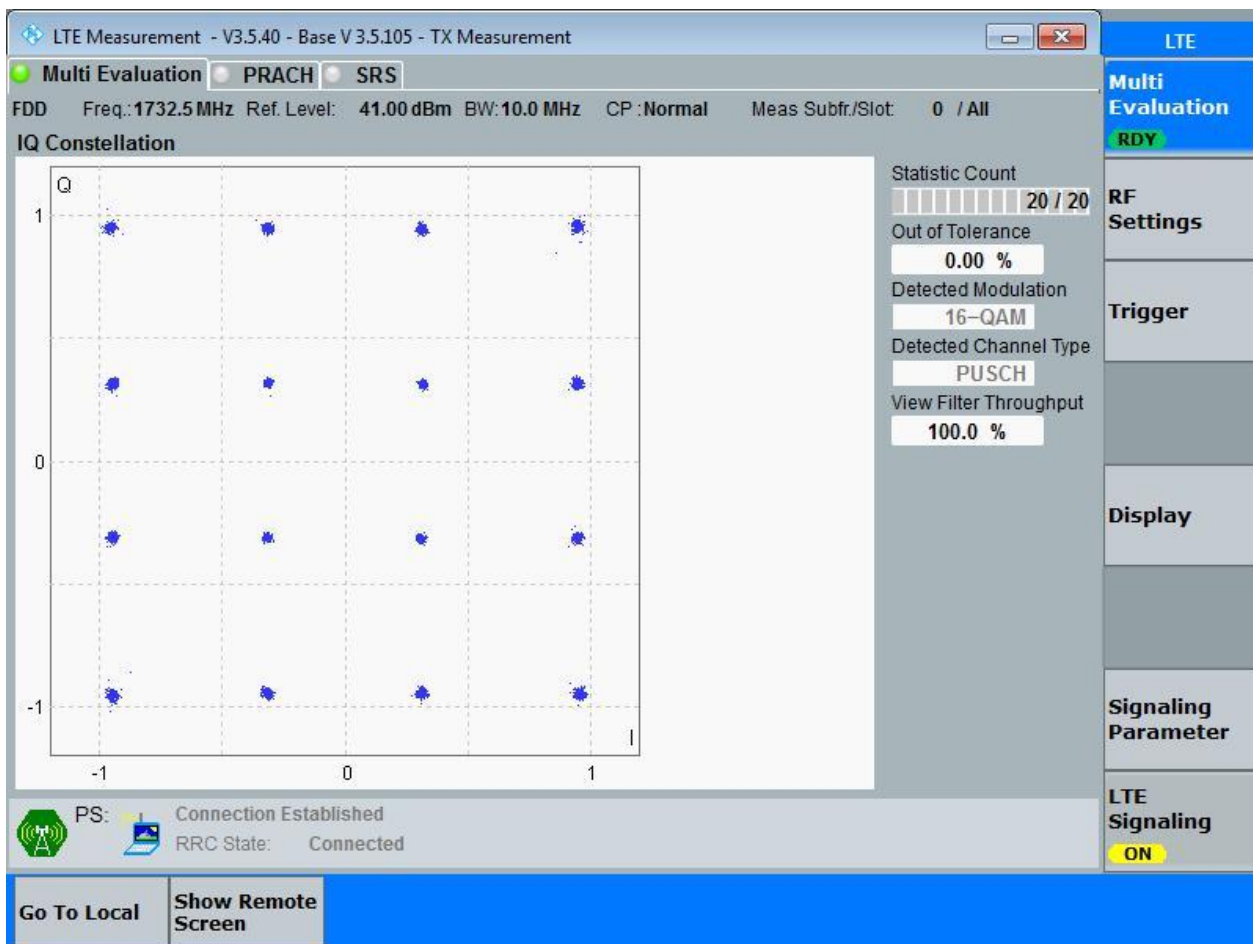
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

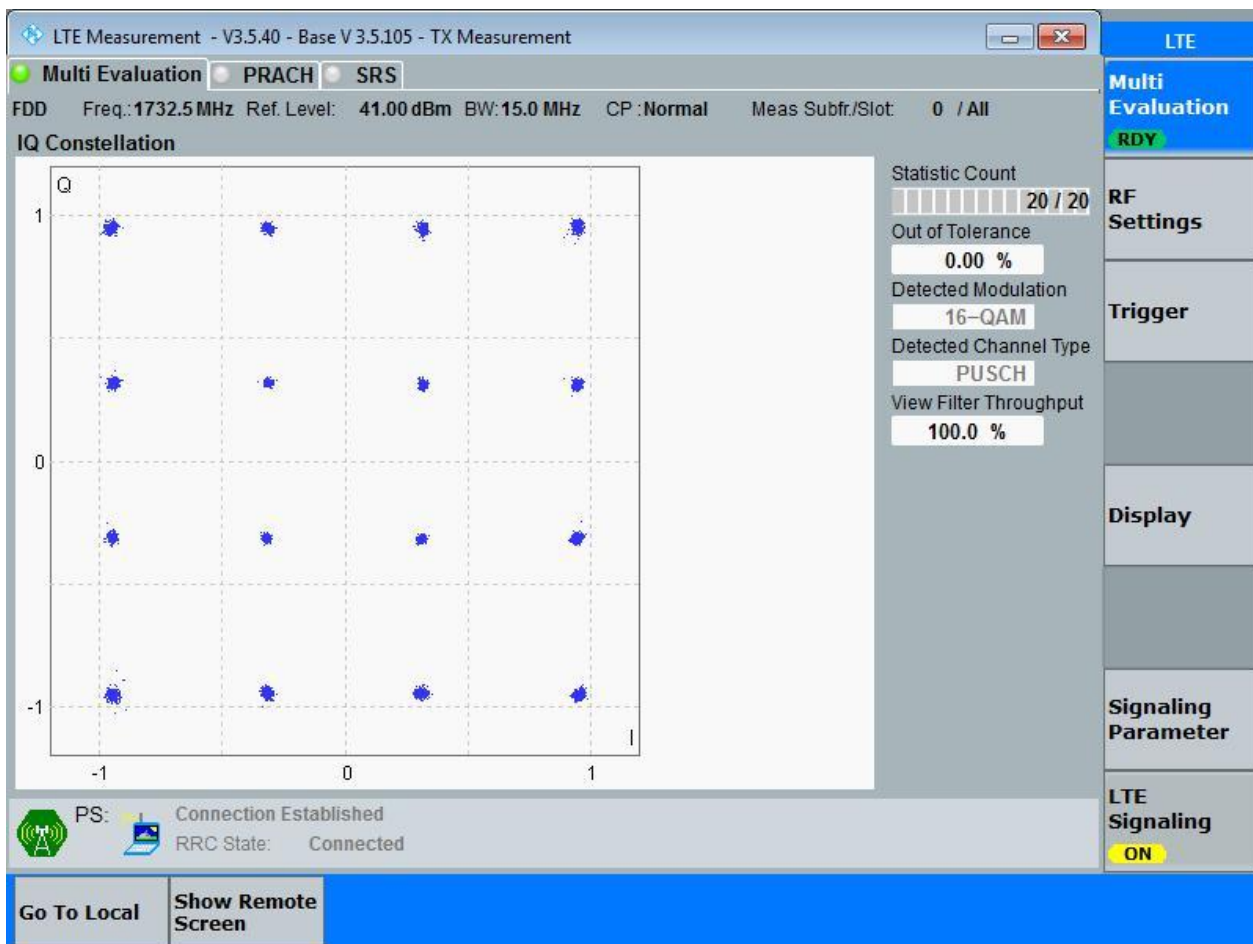
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

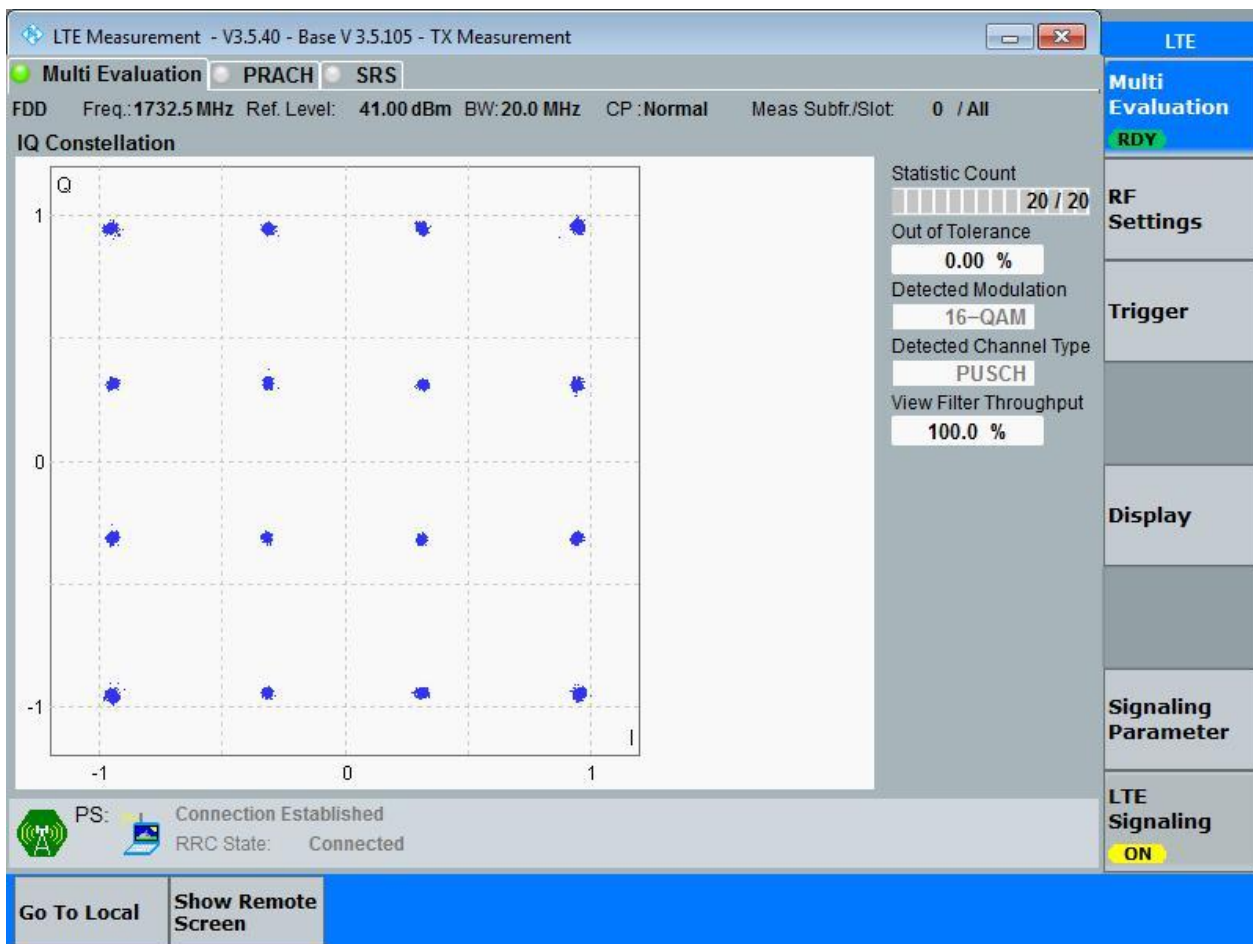
3.1.1.2.5.1.1 Test RB = RB75#0



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

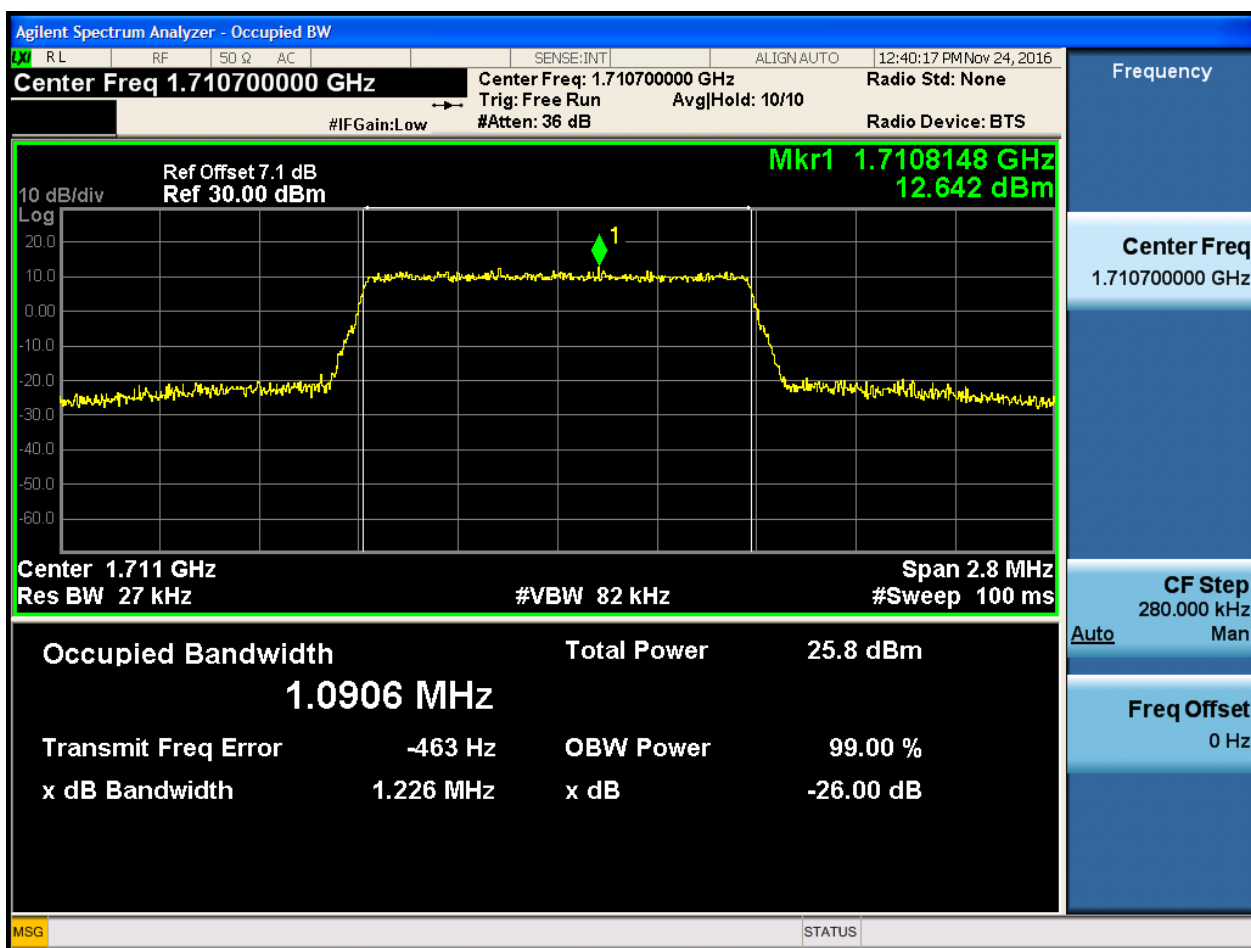
4.1.1 Test Band = BAND4

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

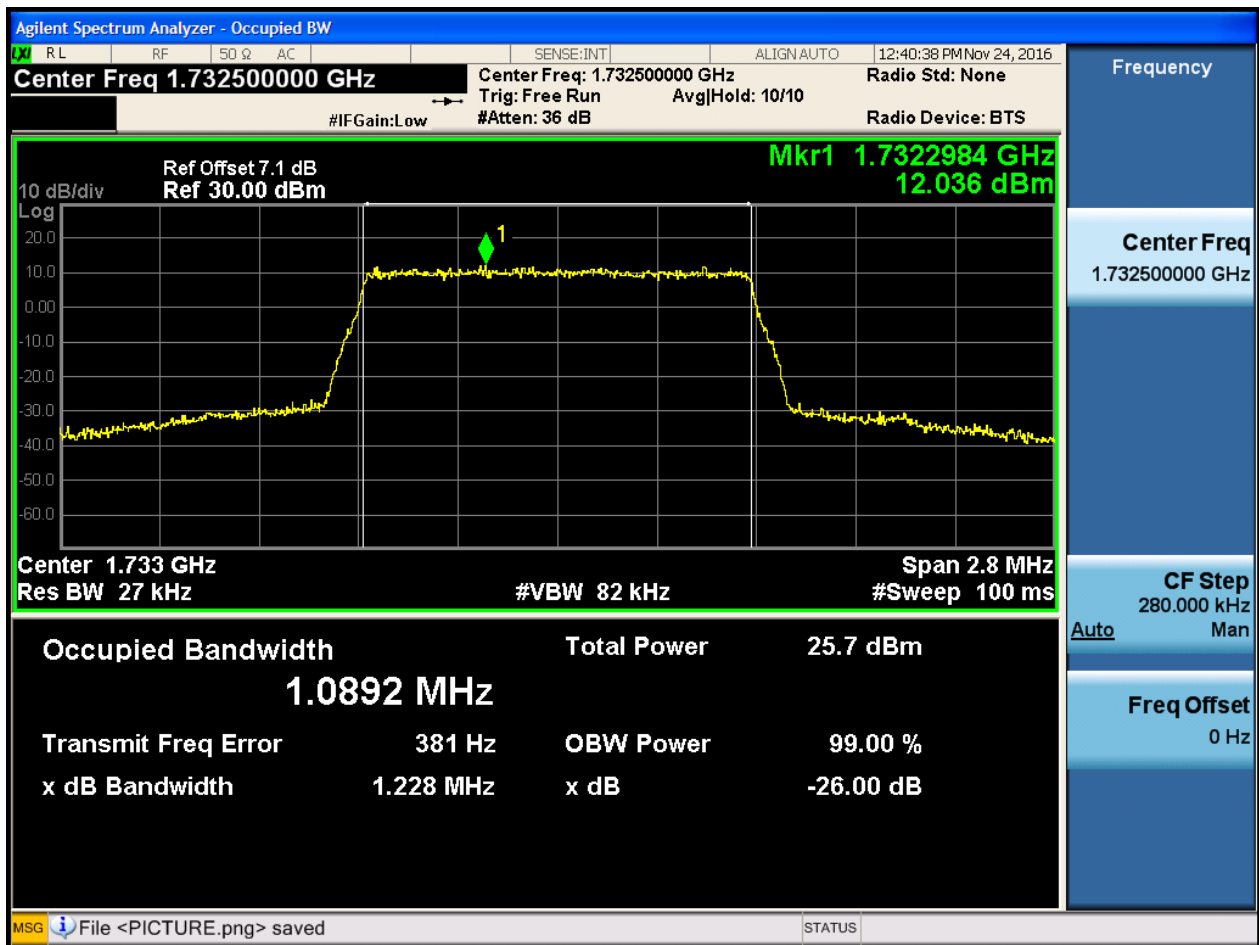
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

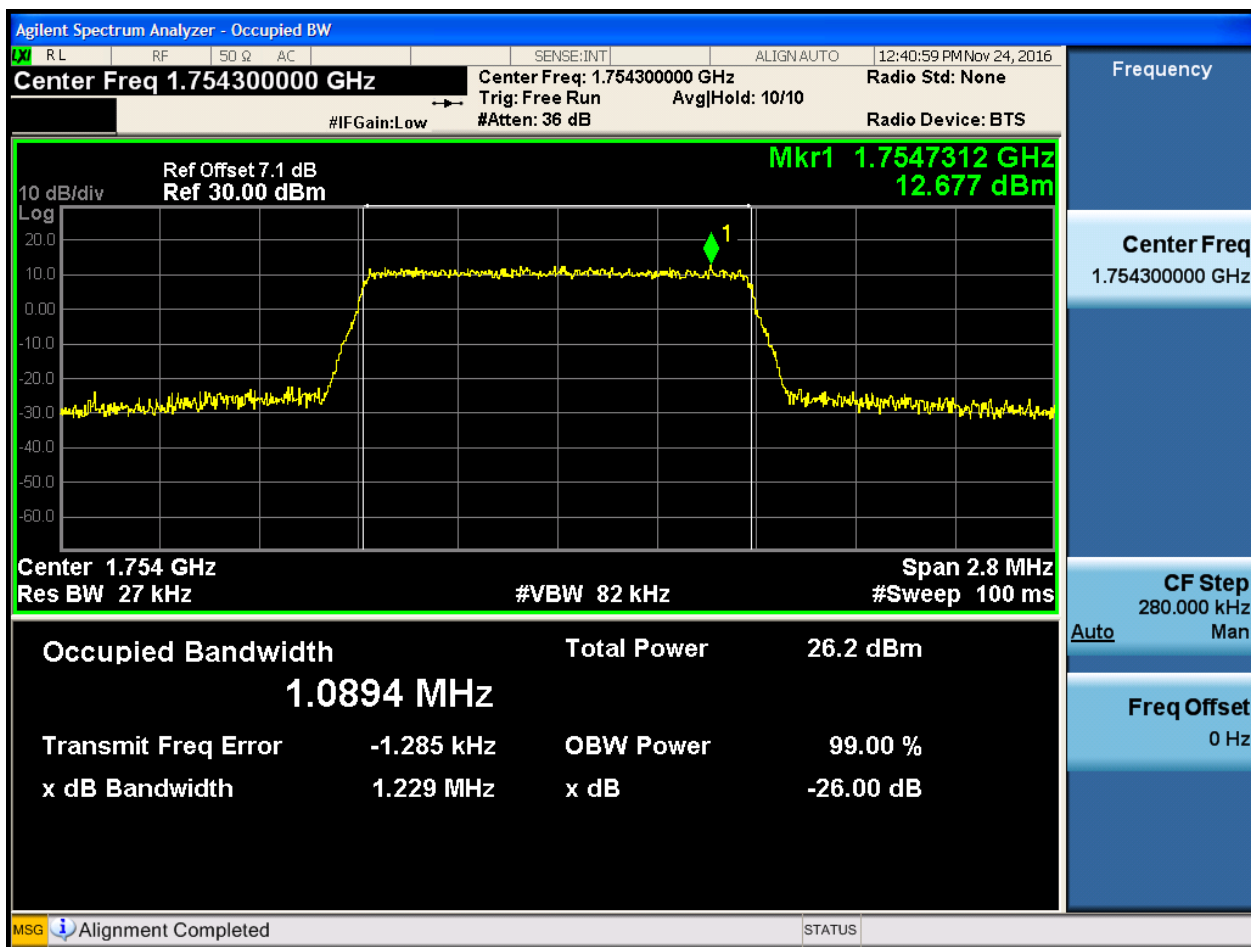
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

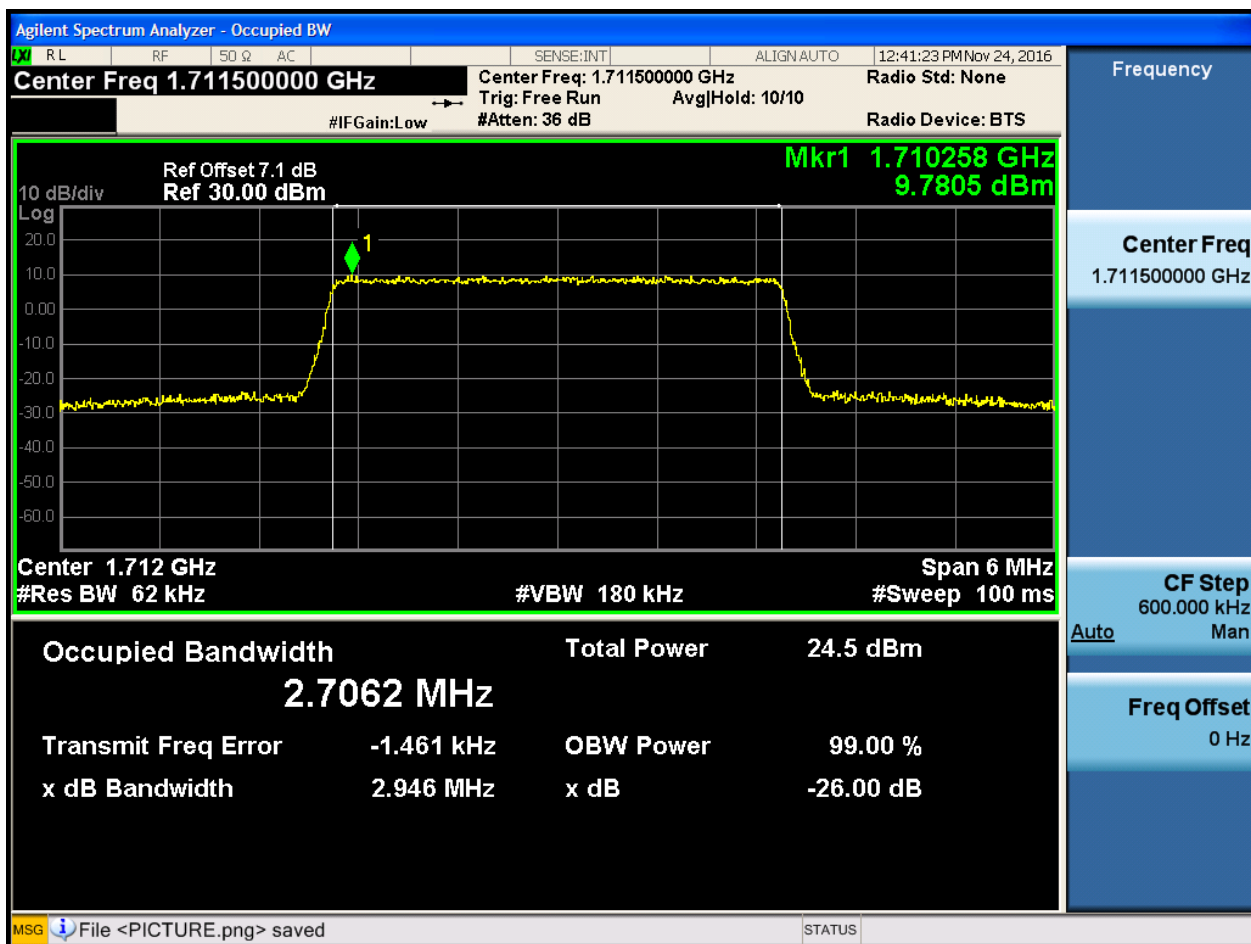




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

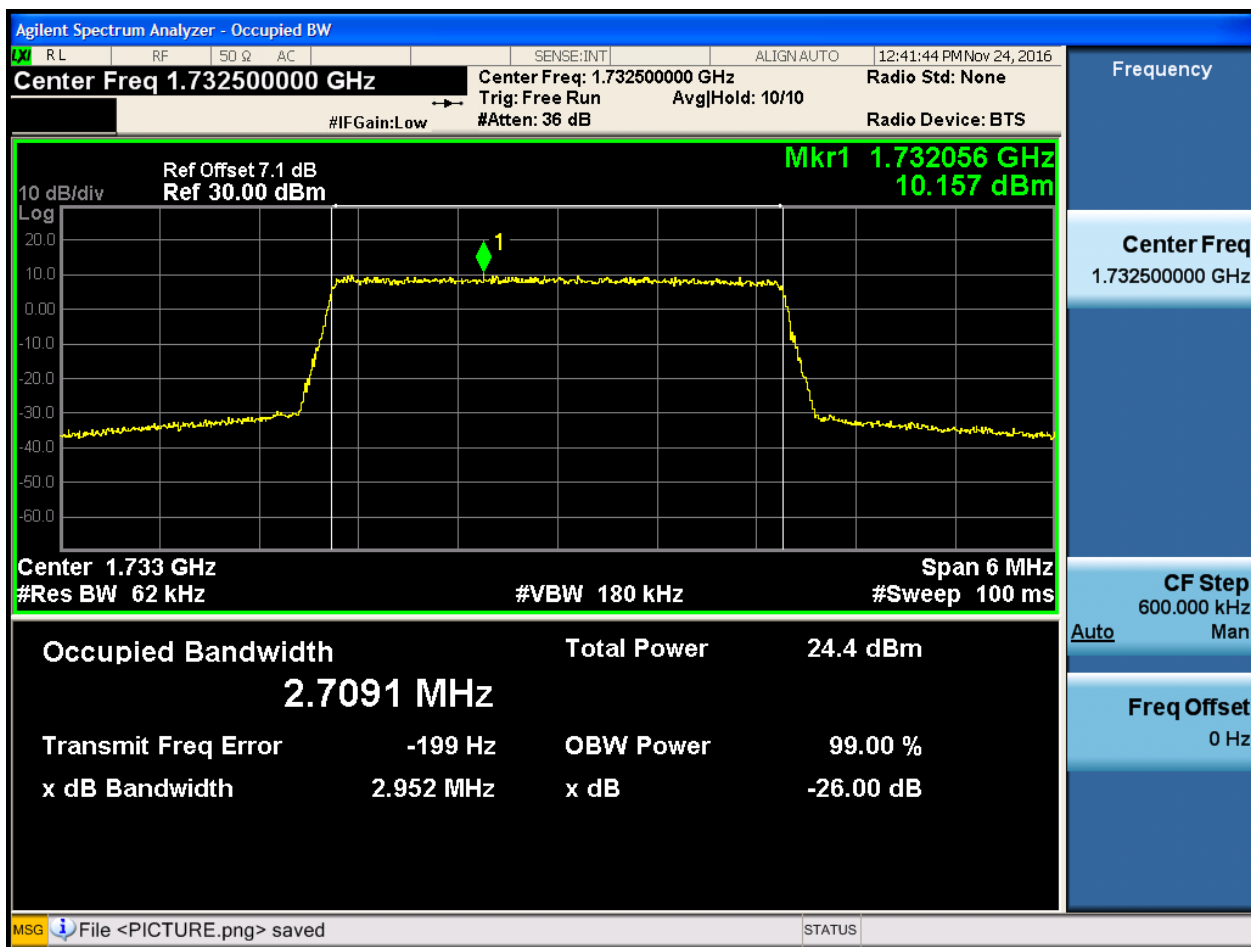
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

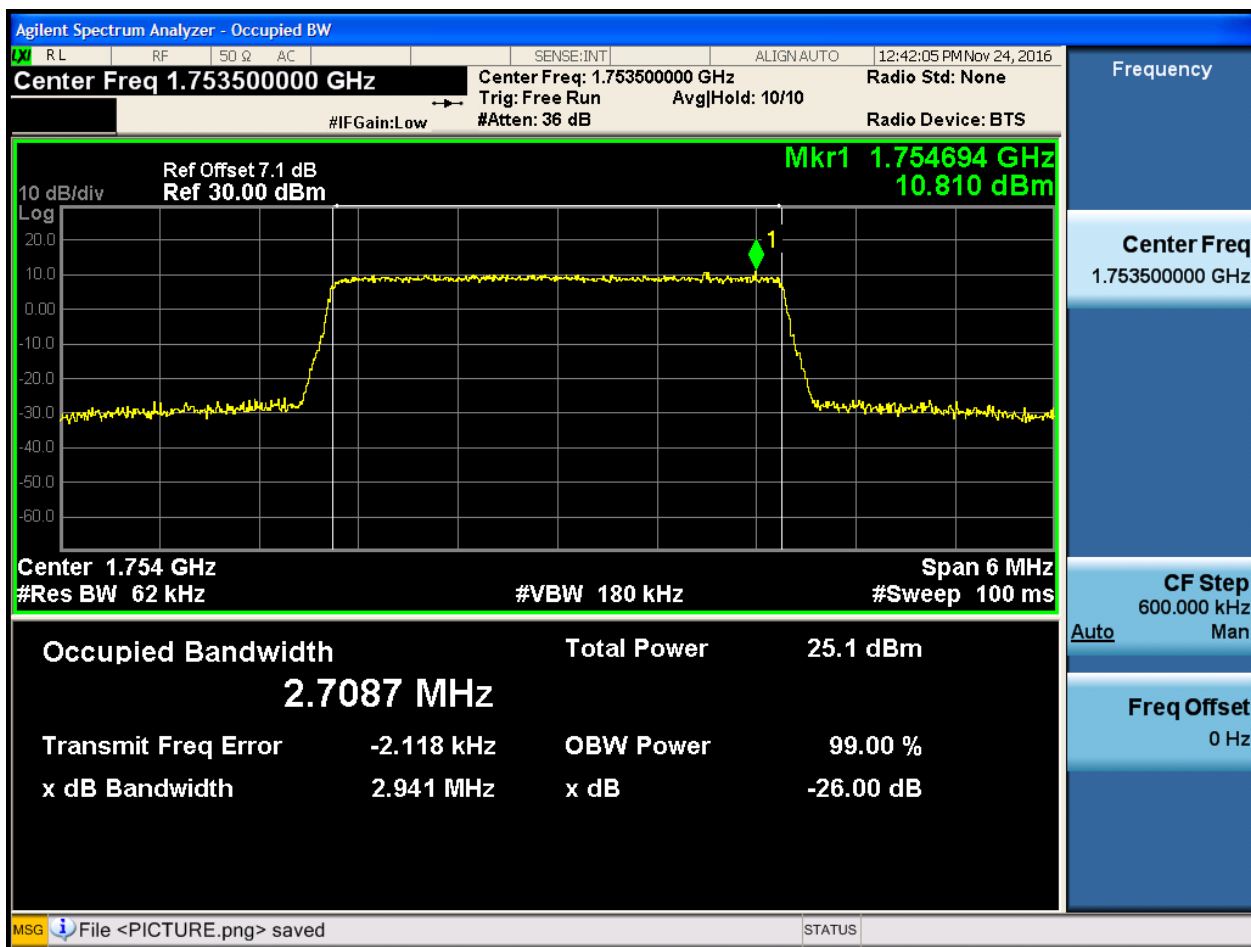
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

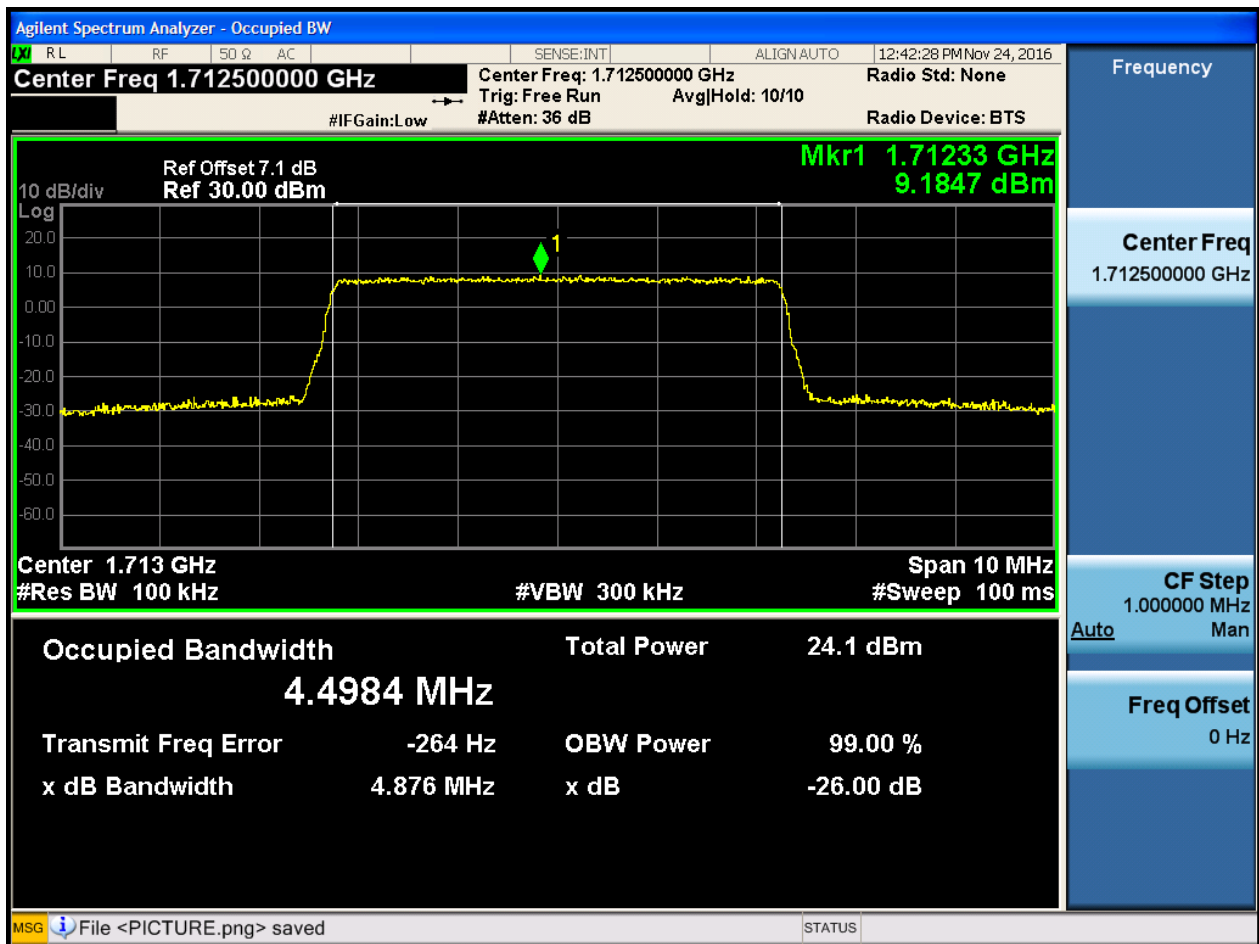




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

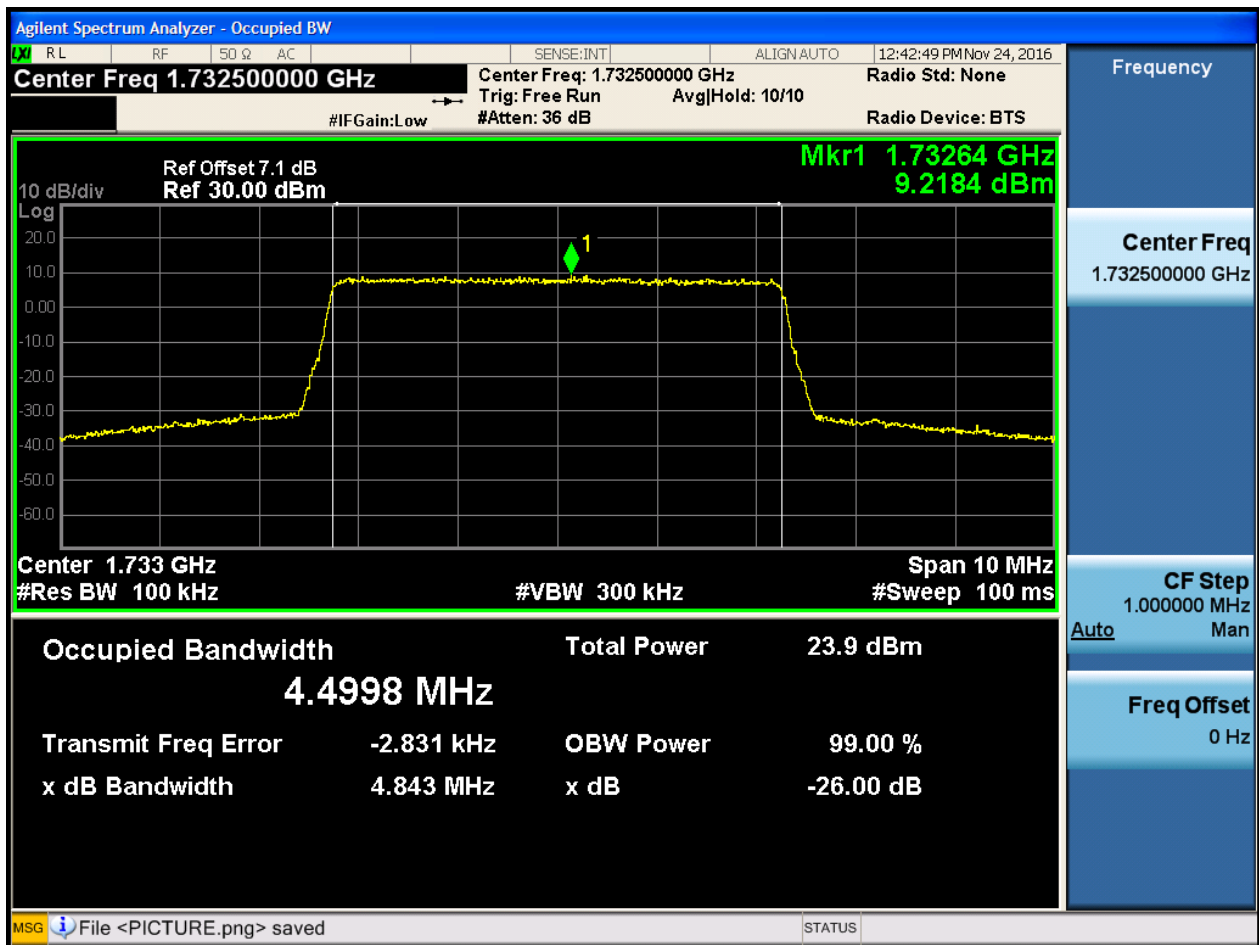
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

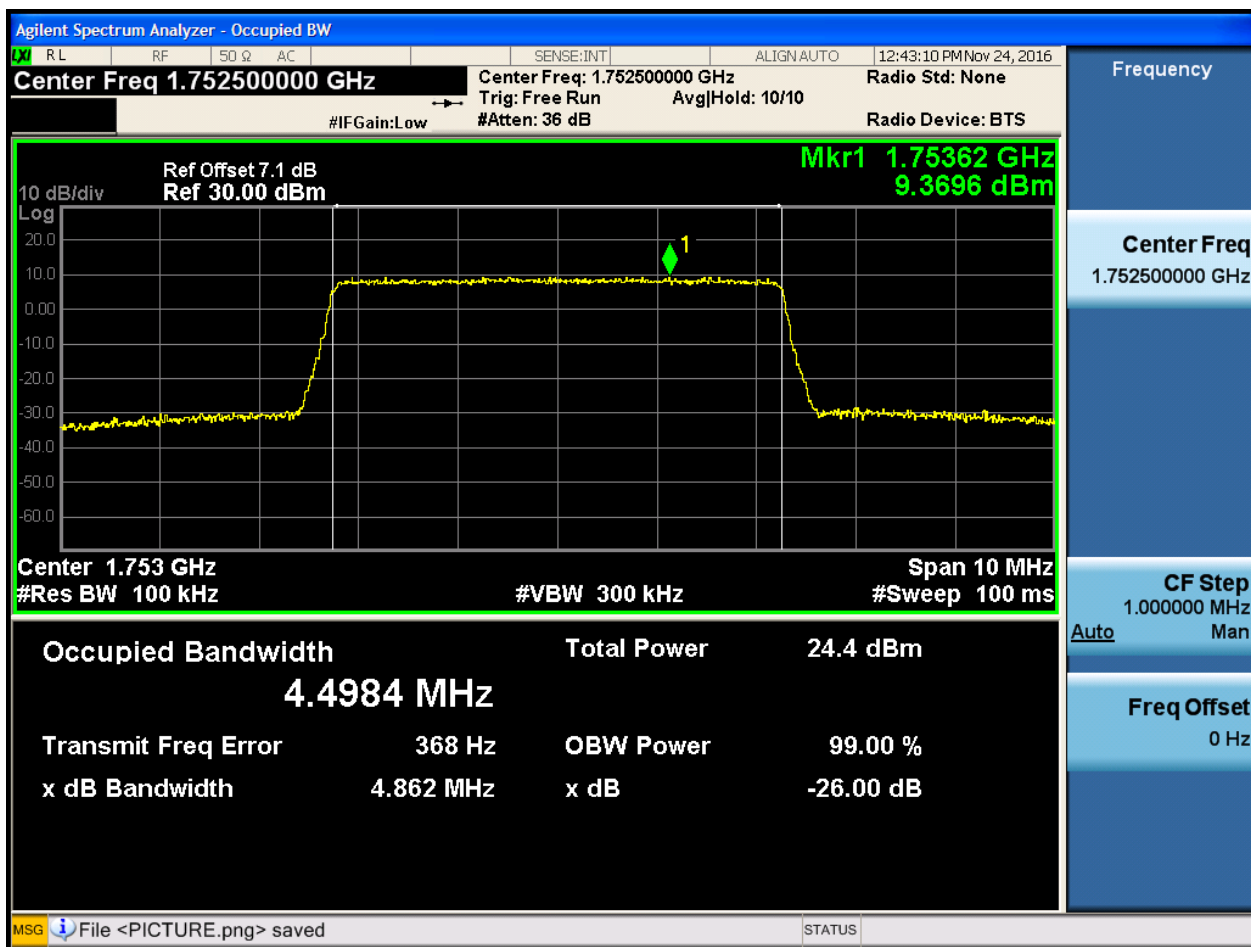
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

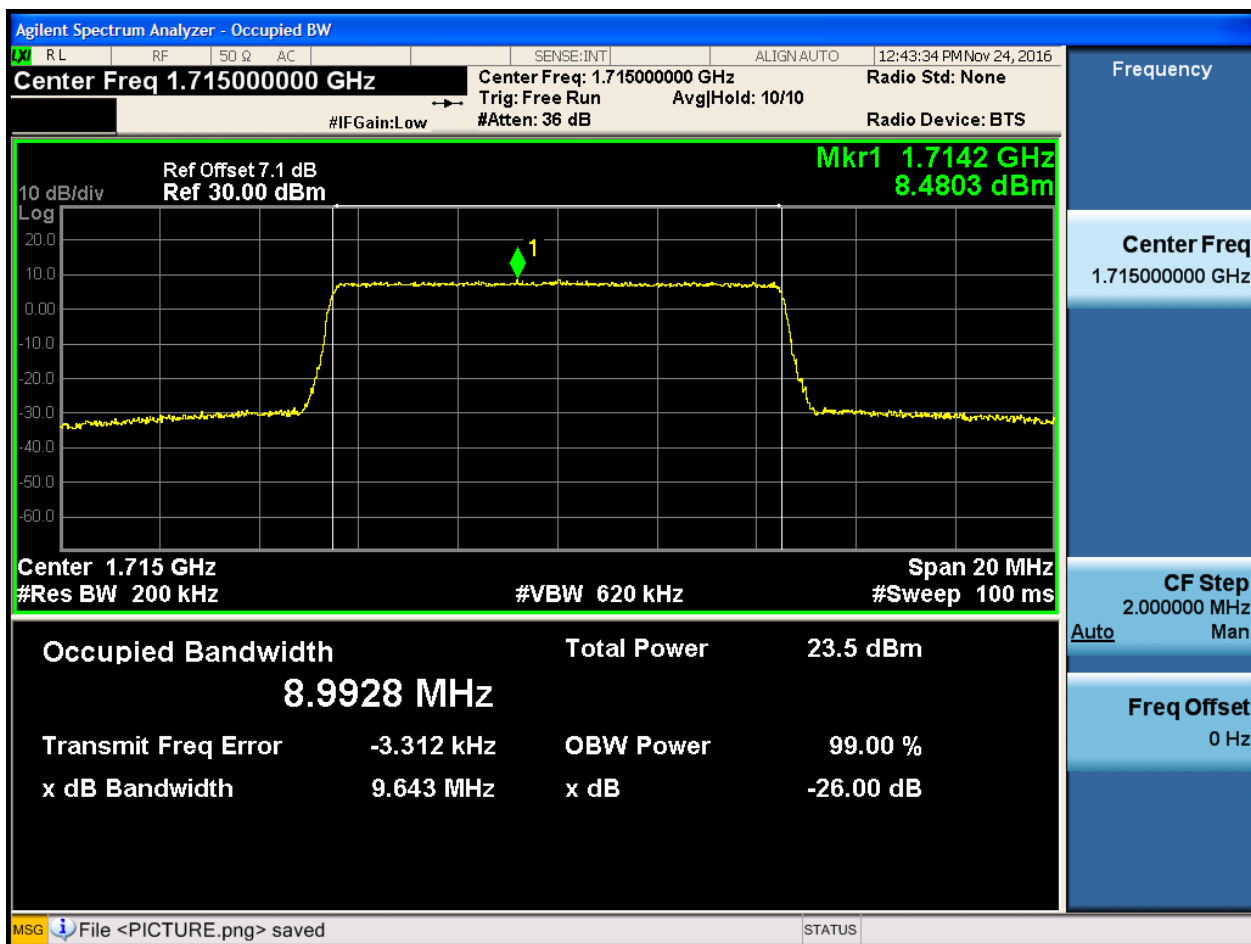




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

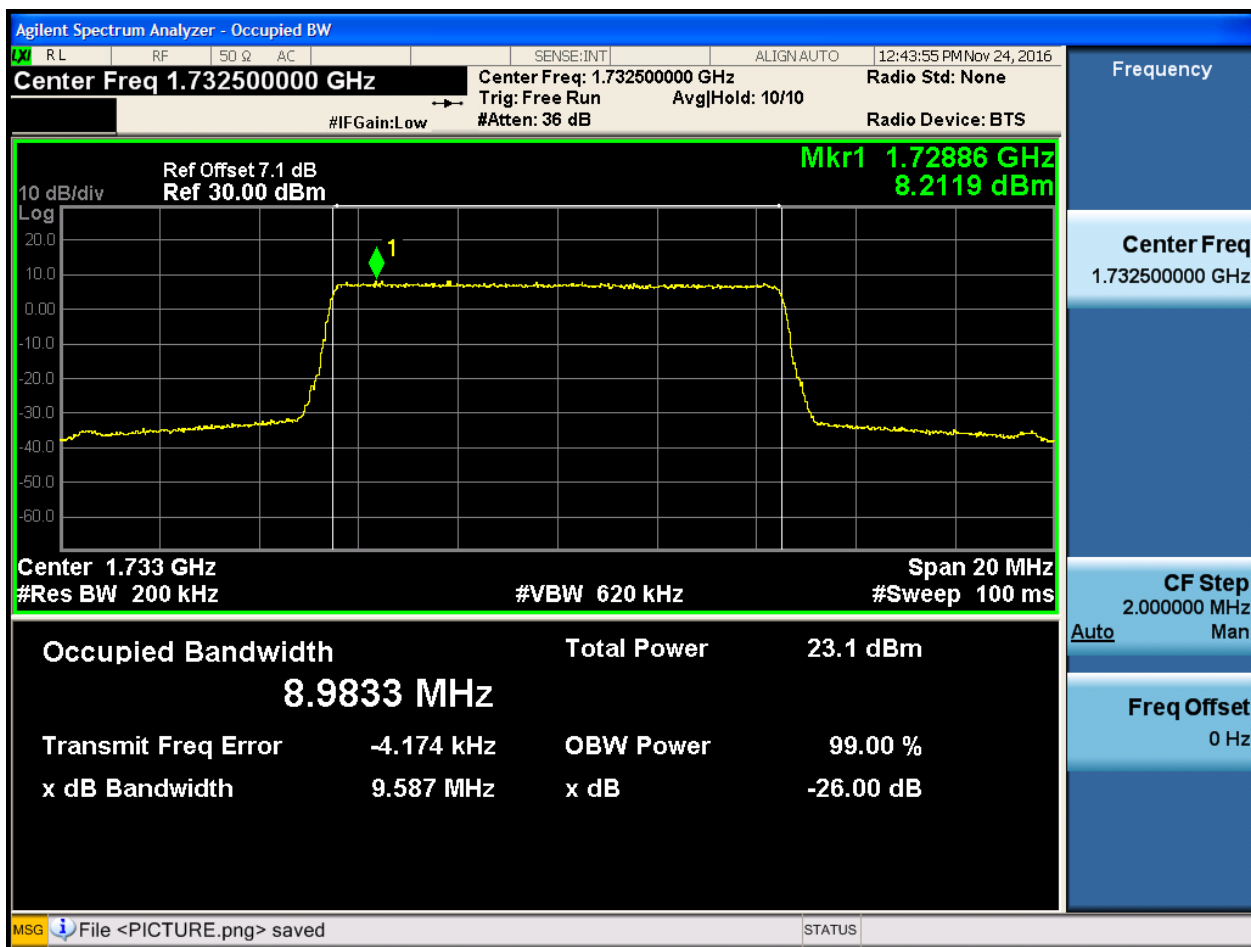
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

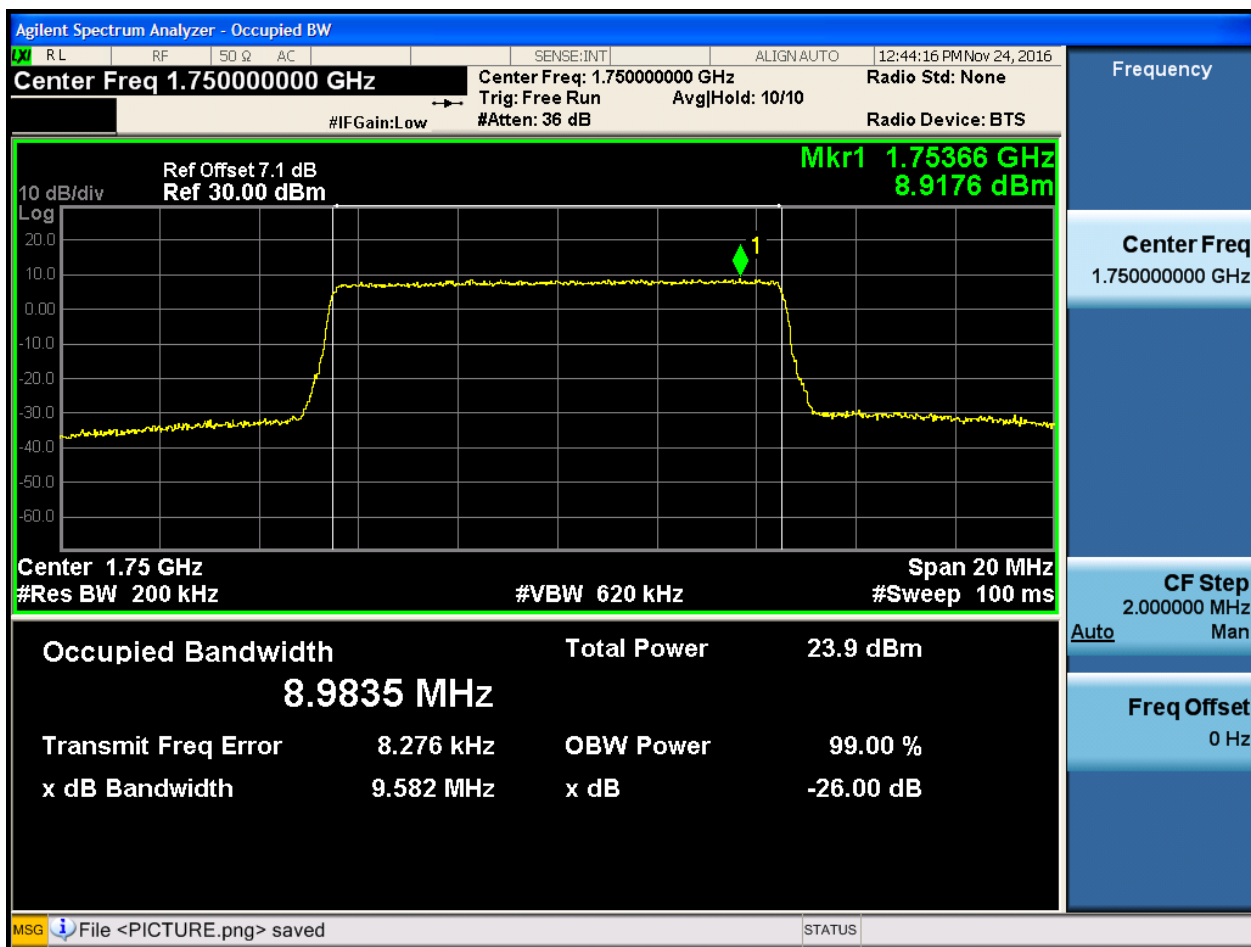
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

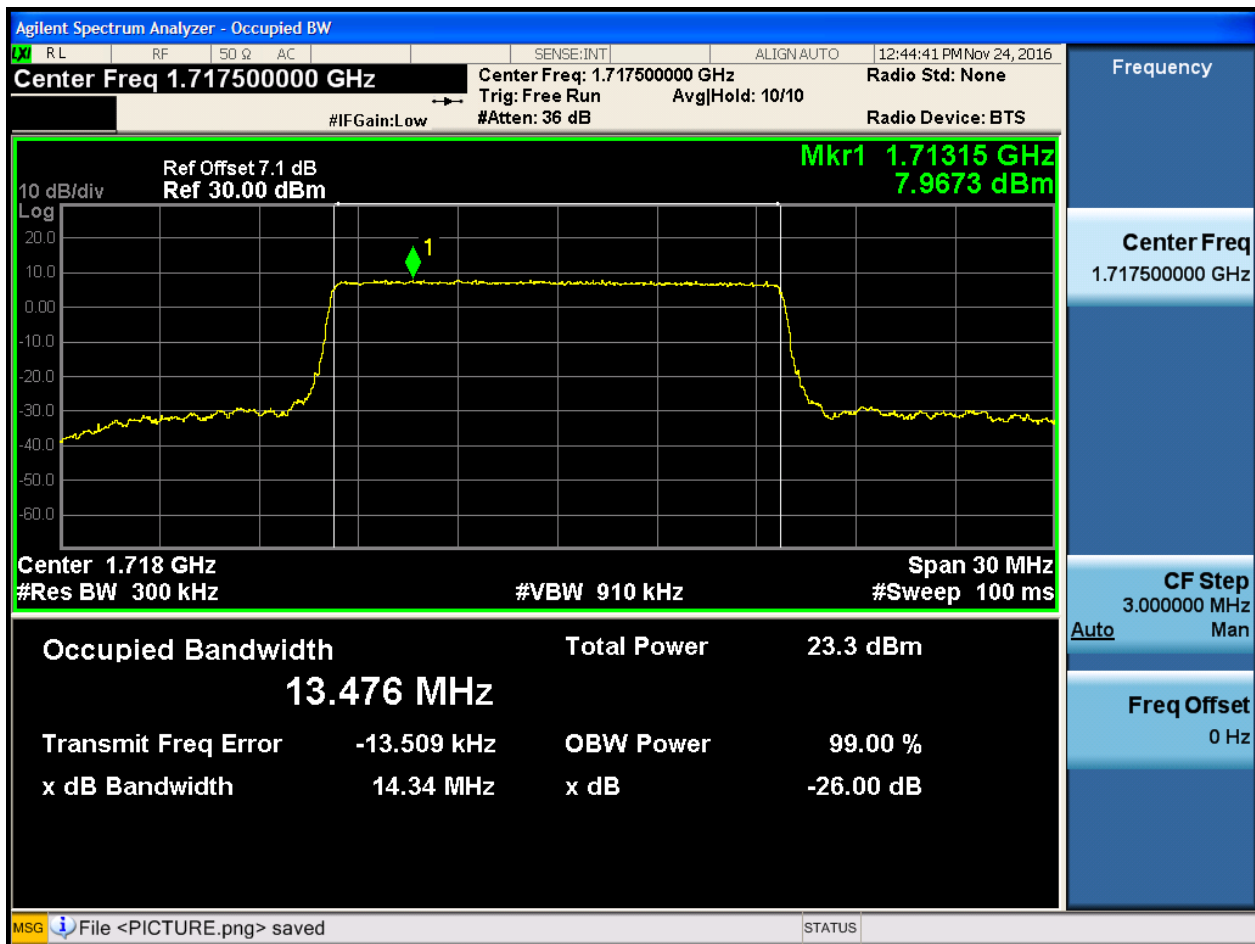




4.1.1.1.5 Test Bandwidth = 15

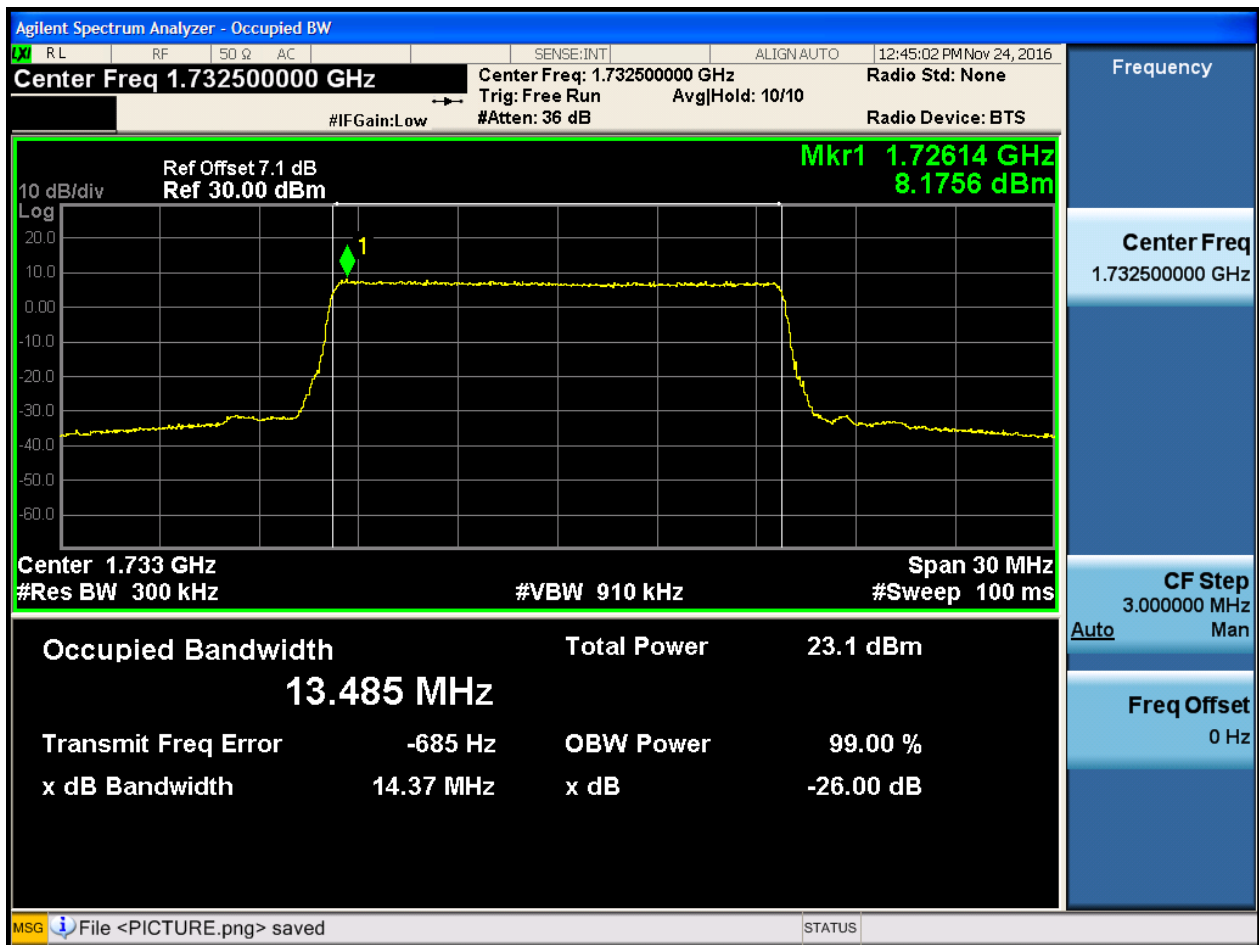
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



4.1.1.1.5.2 Test Channel = MCH

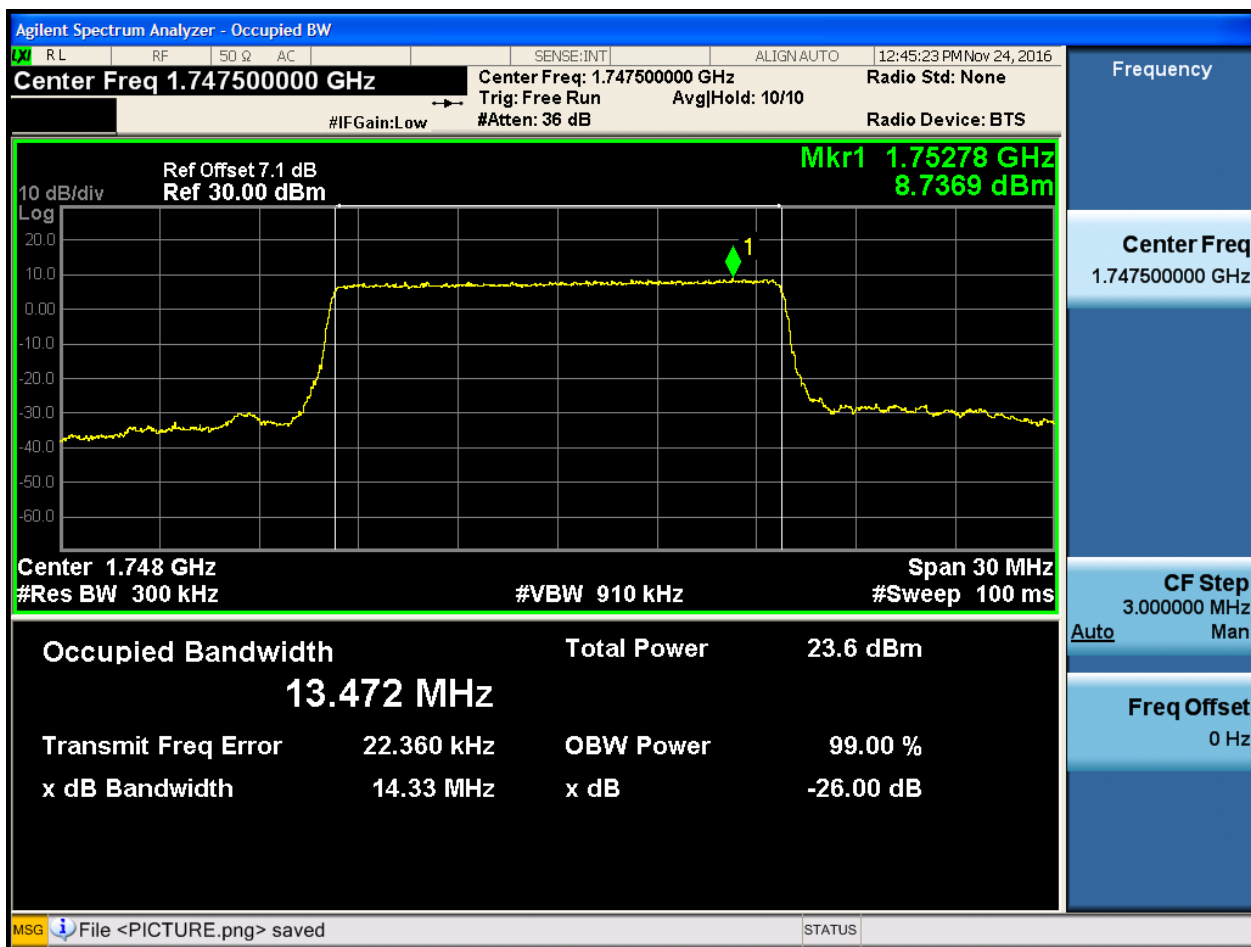
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

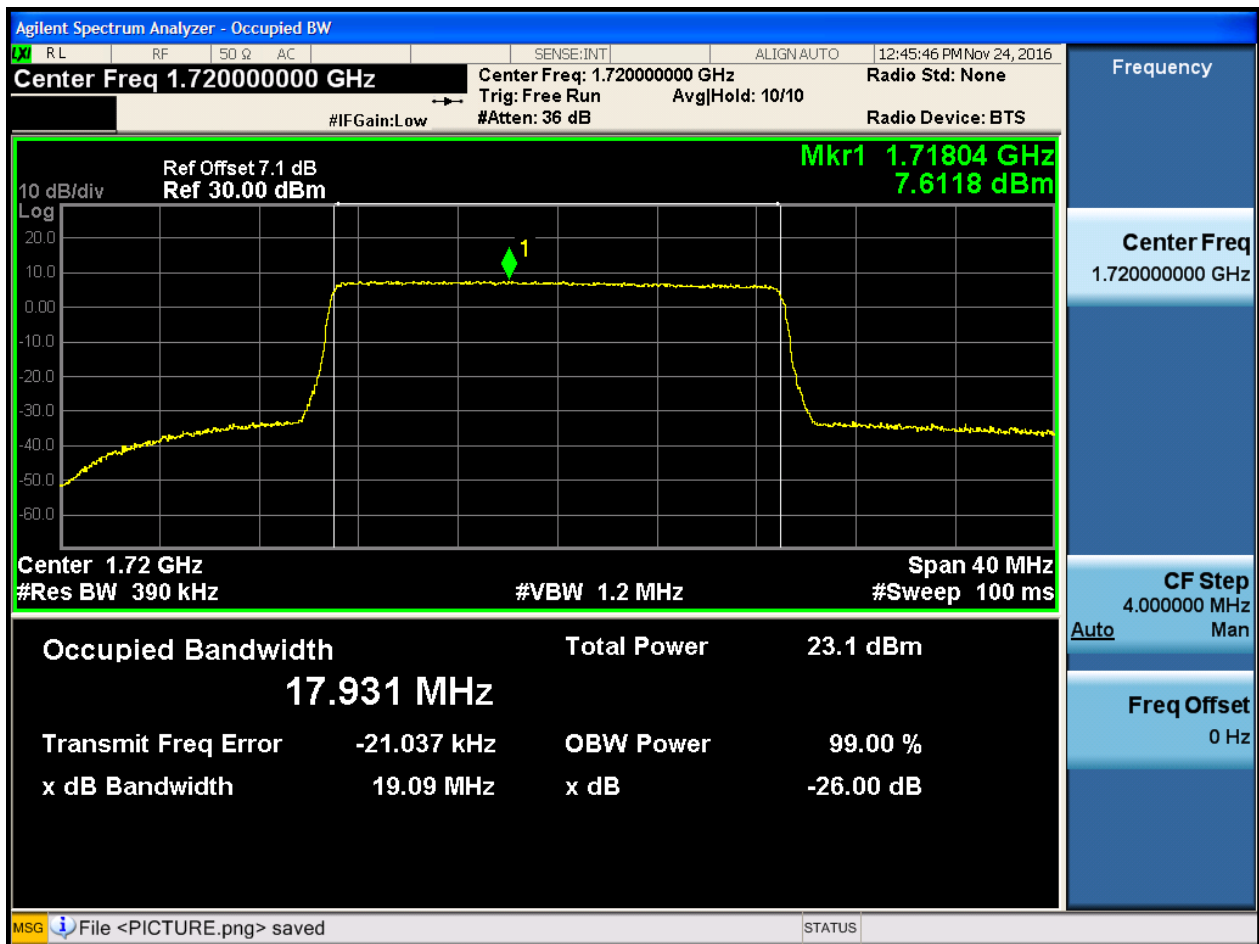




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

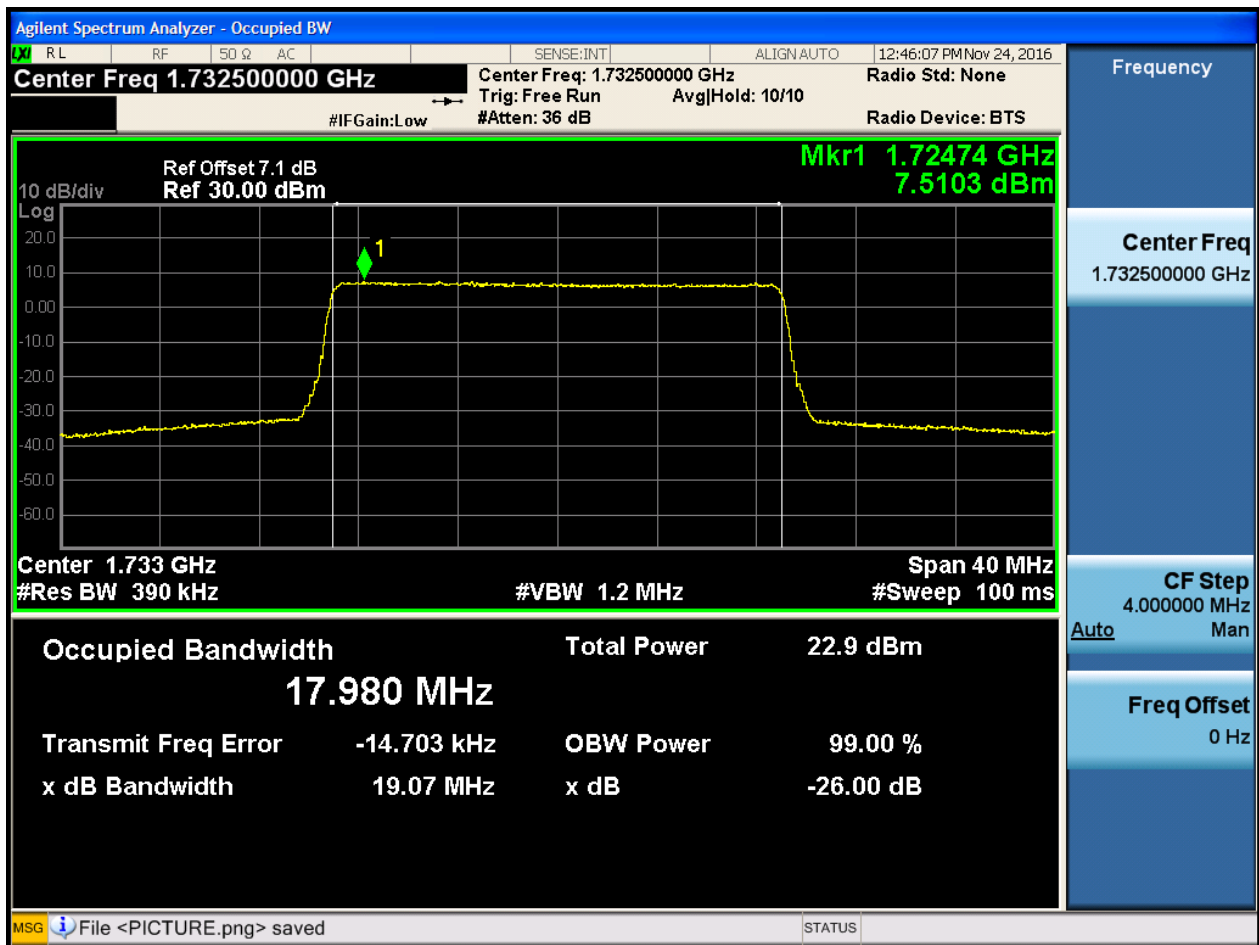
4.1.1.1.6.1.1 Test RB = RB100#0





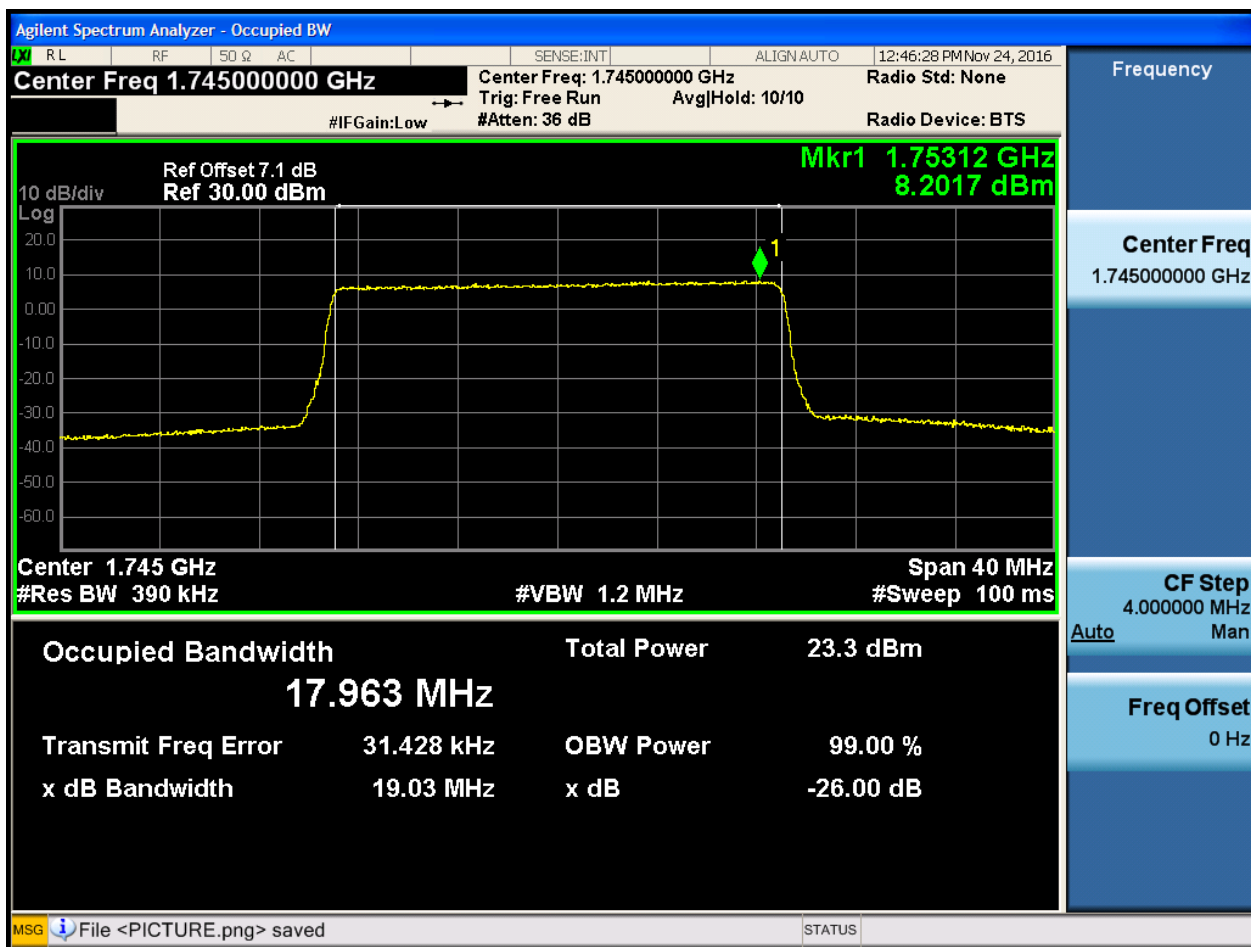
4.1.1.1.6.2 Test Channel = MCH

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



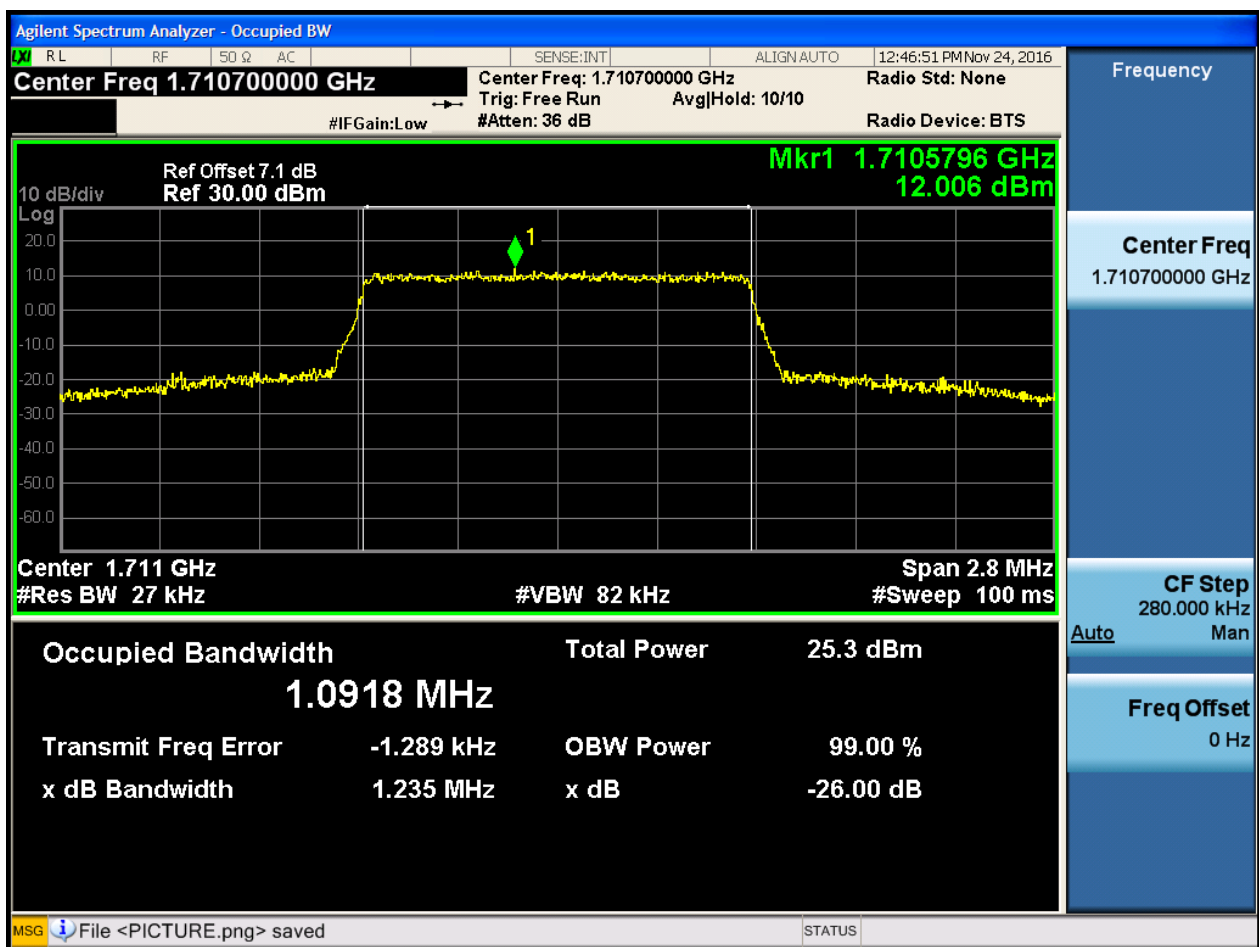


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

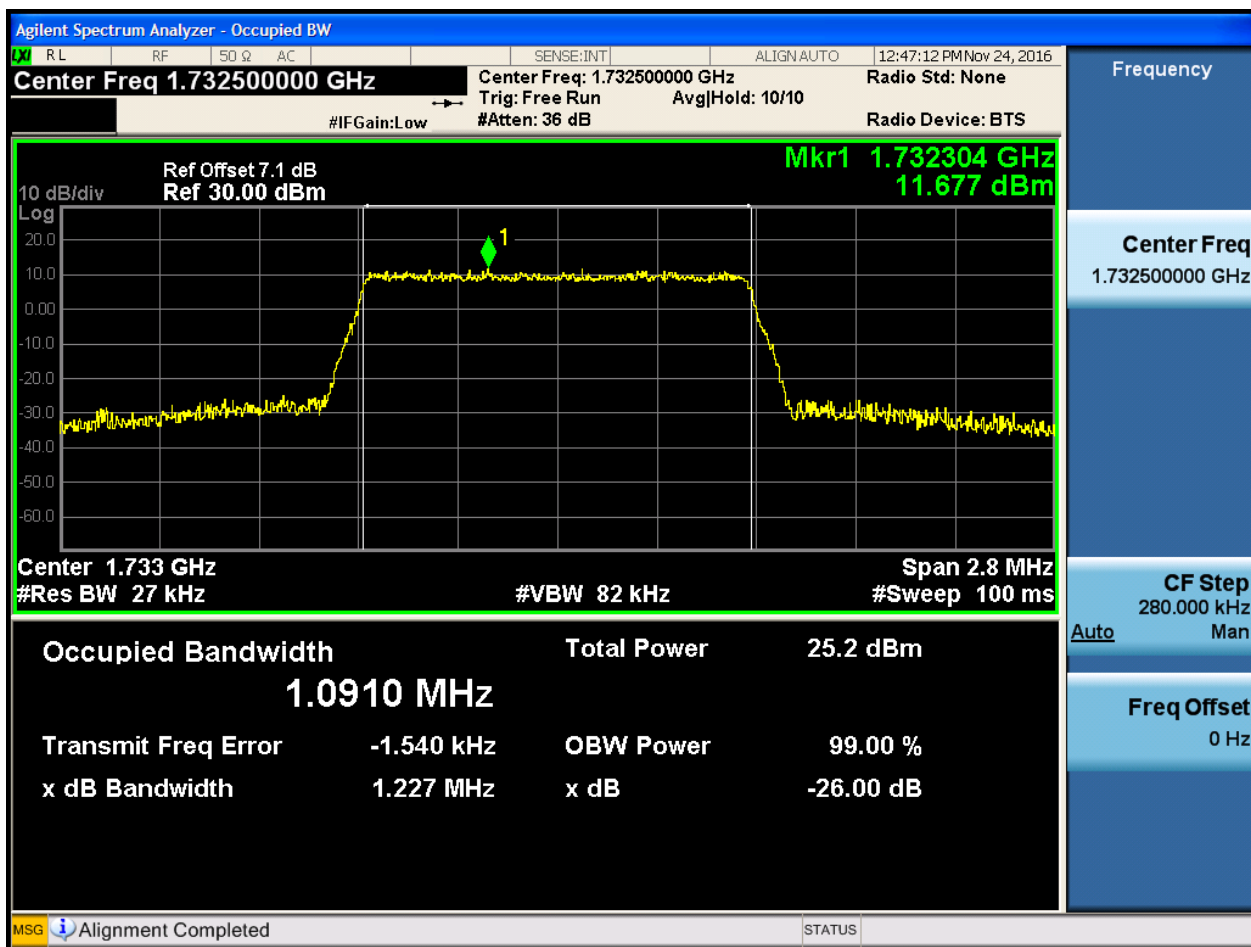
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

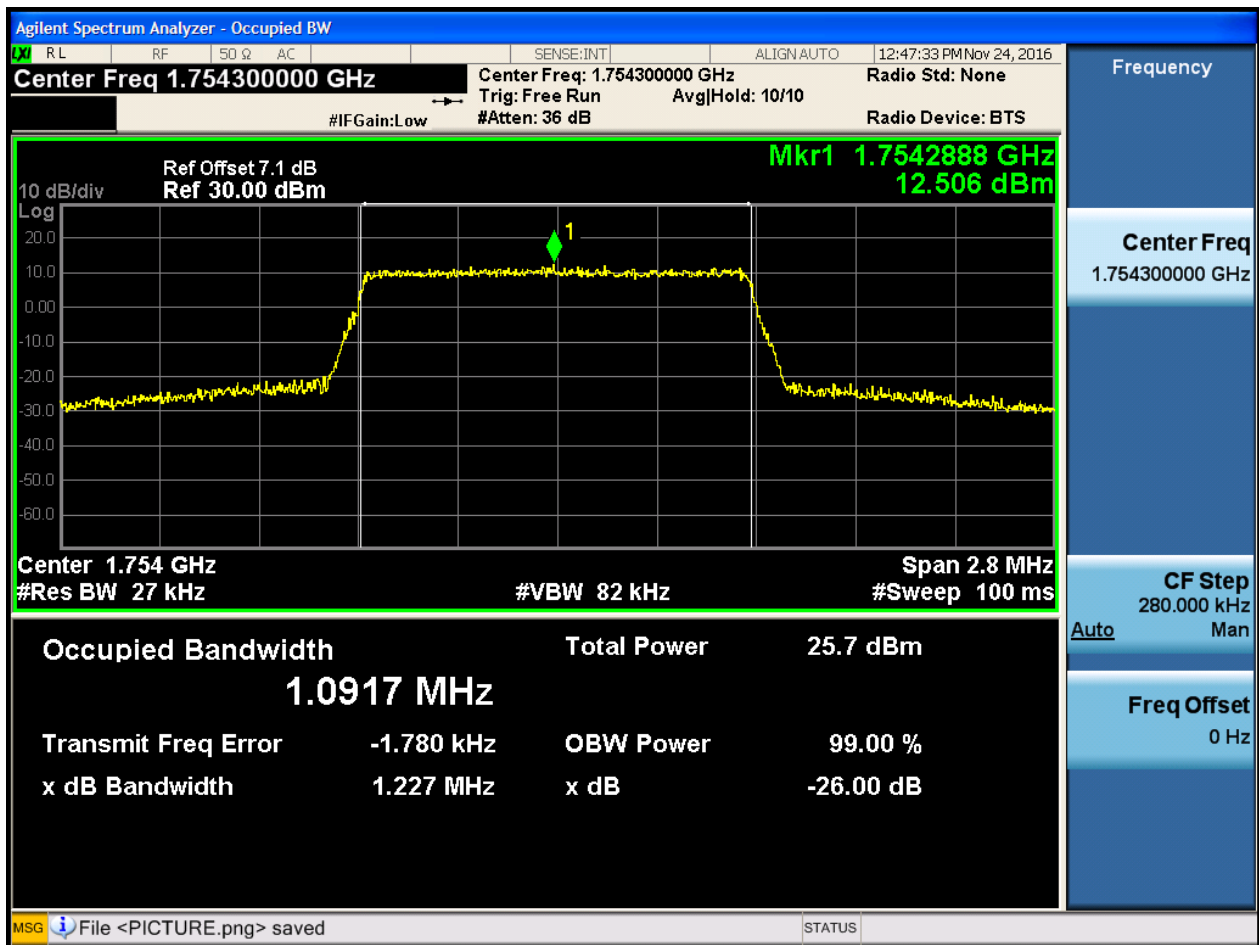
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

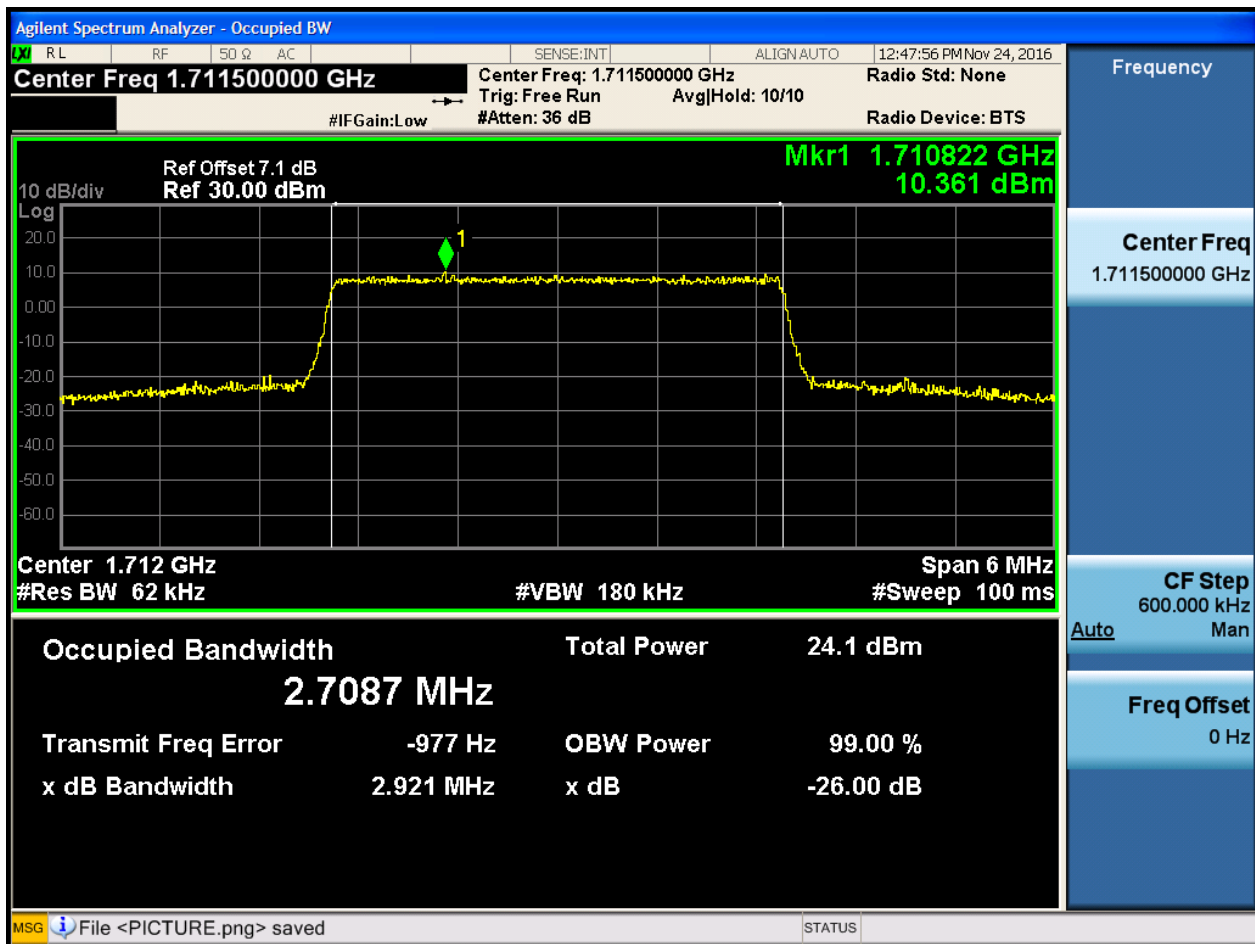




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

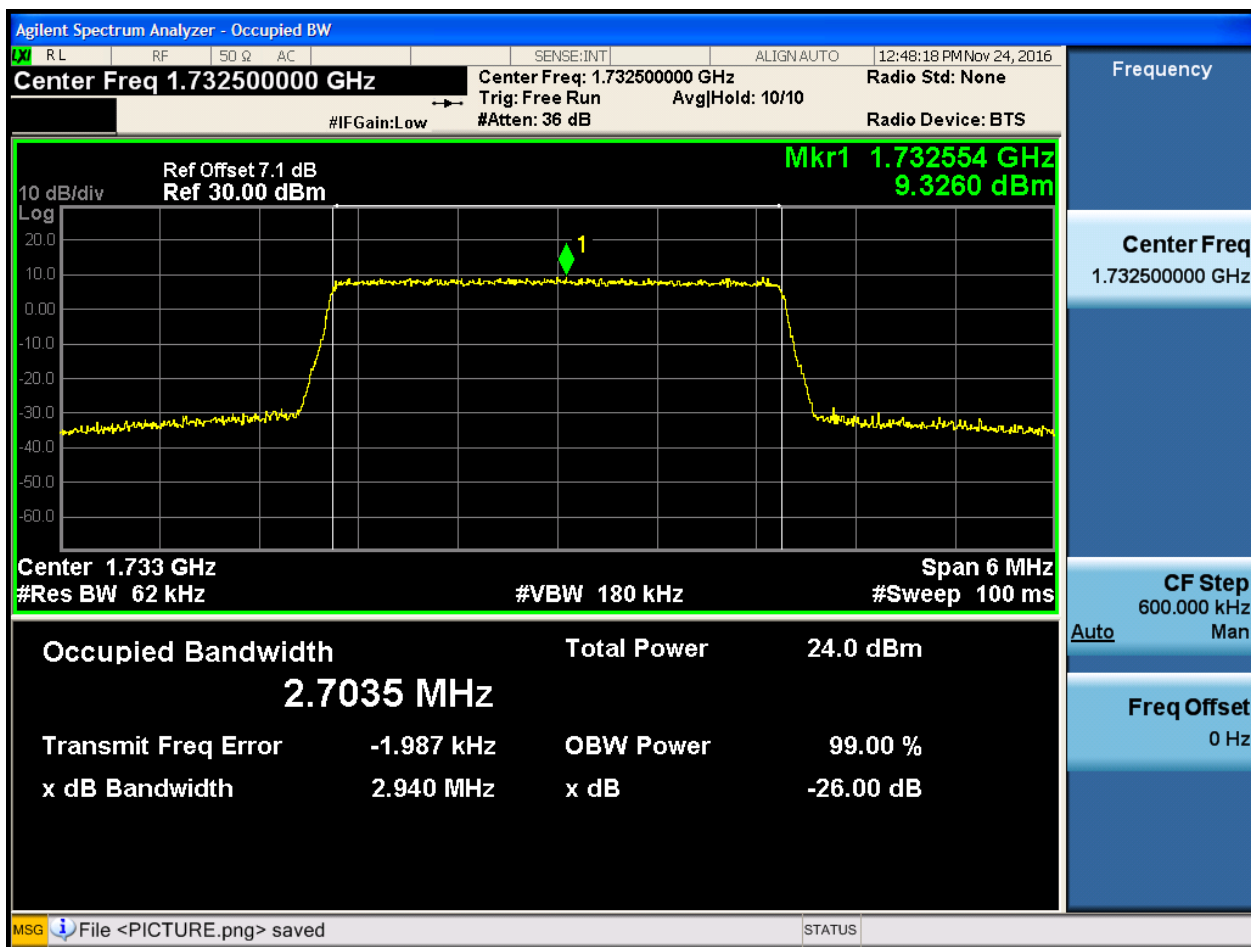
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

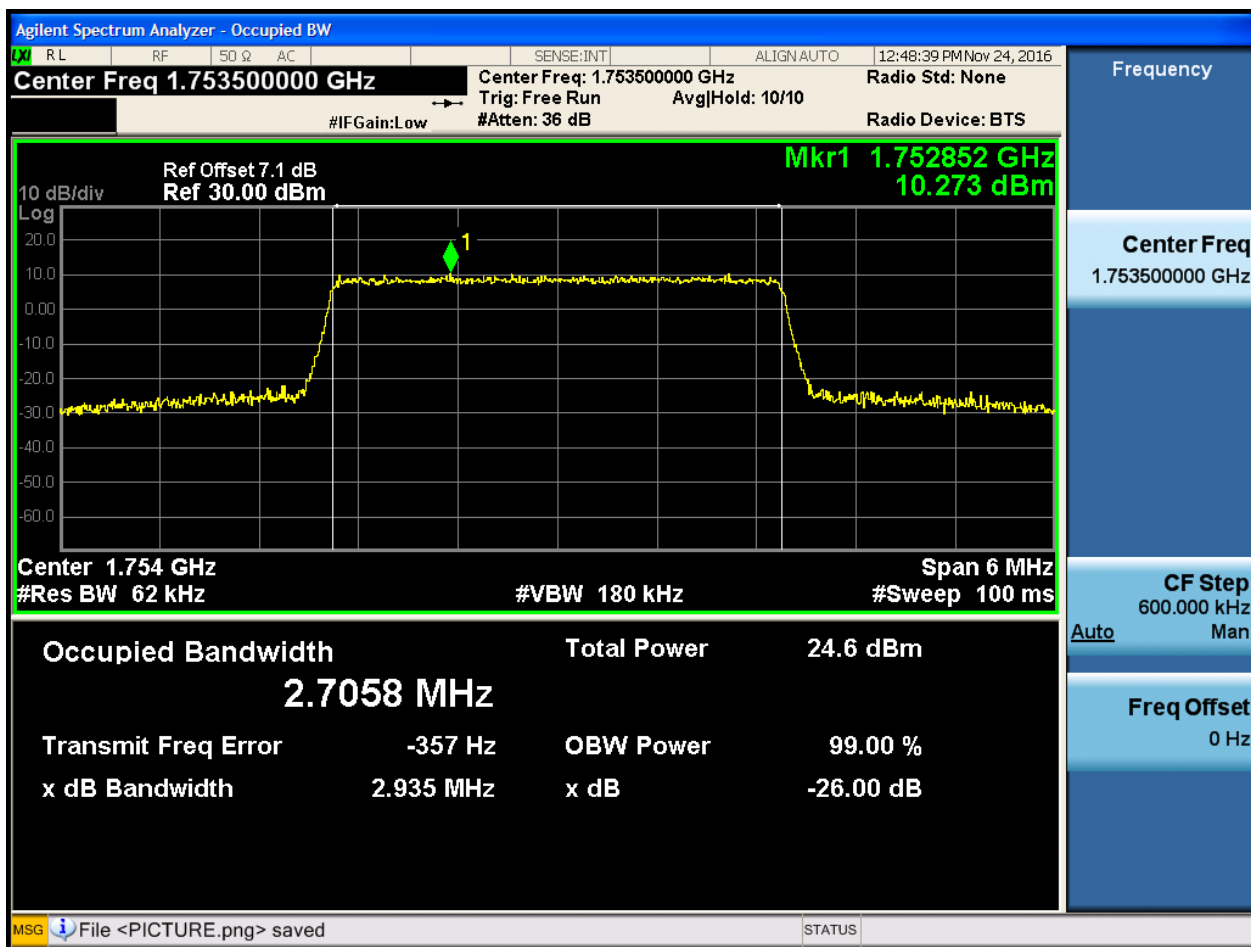
4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

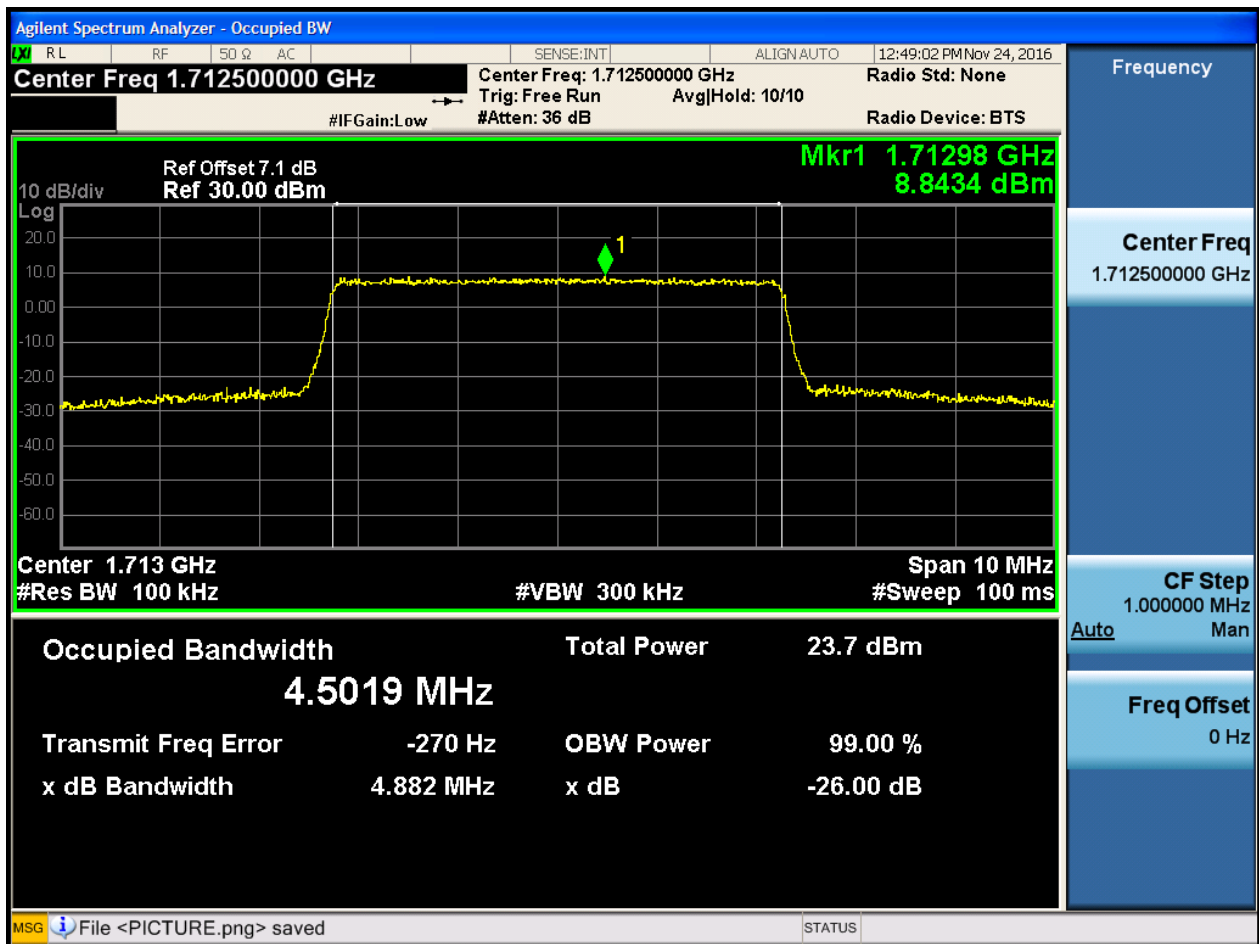




4.1.1.2.3 Test Bandwidth = 5

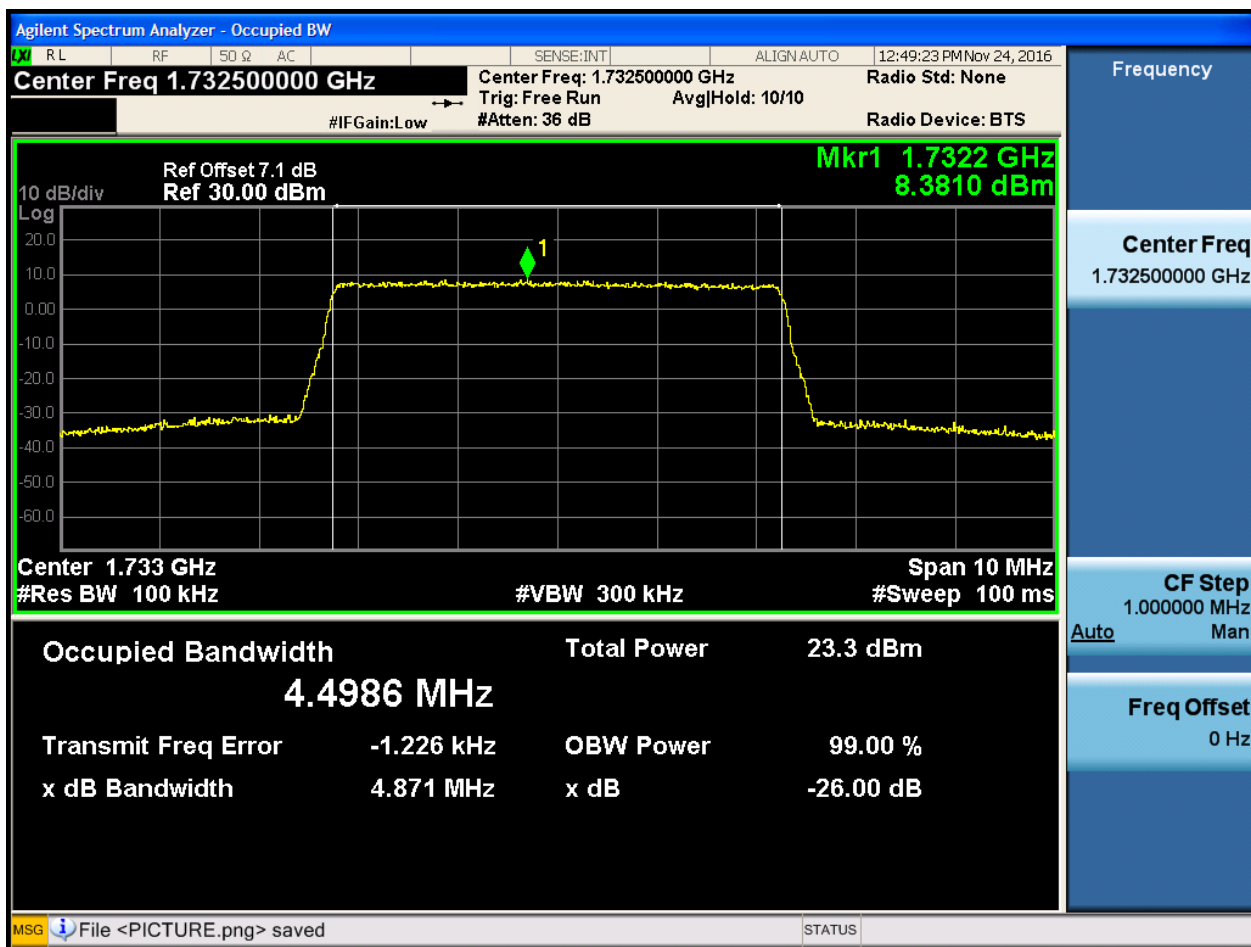
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



4.1.1.2.3.2 Test Channel = MCH

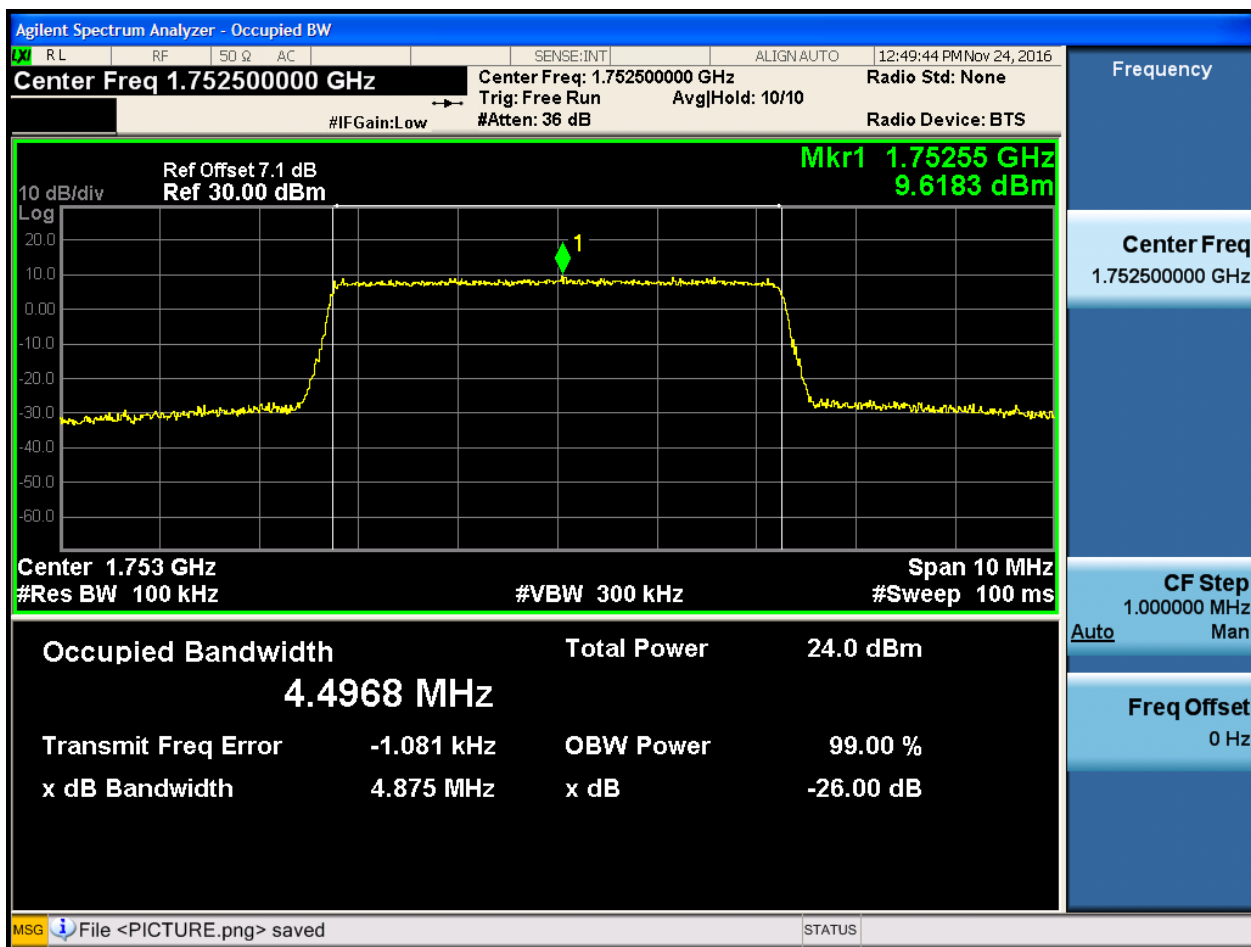
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

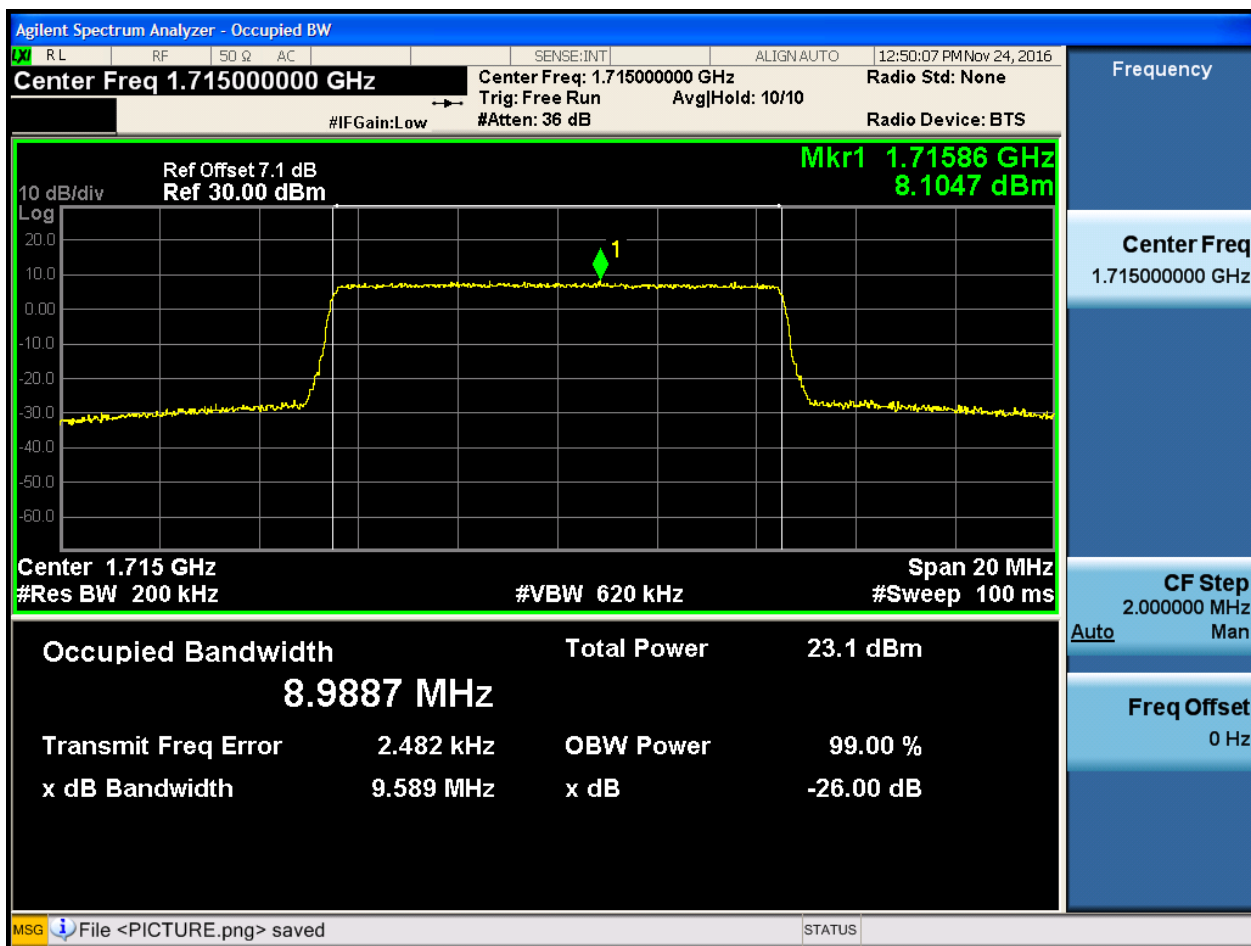




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

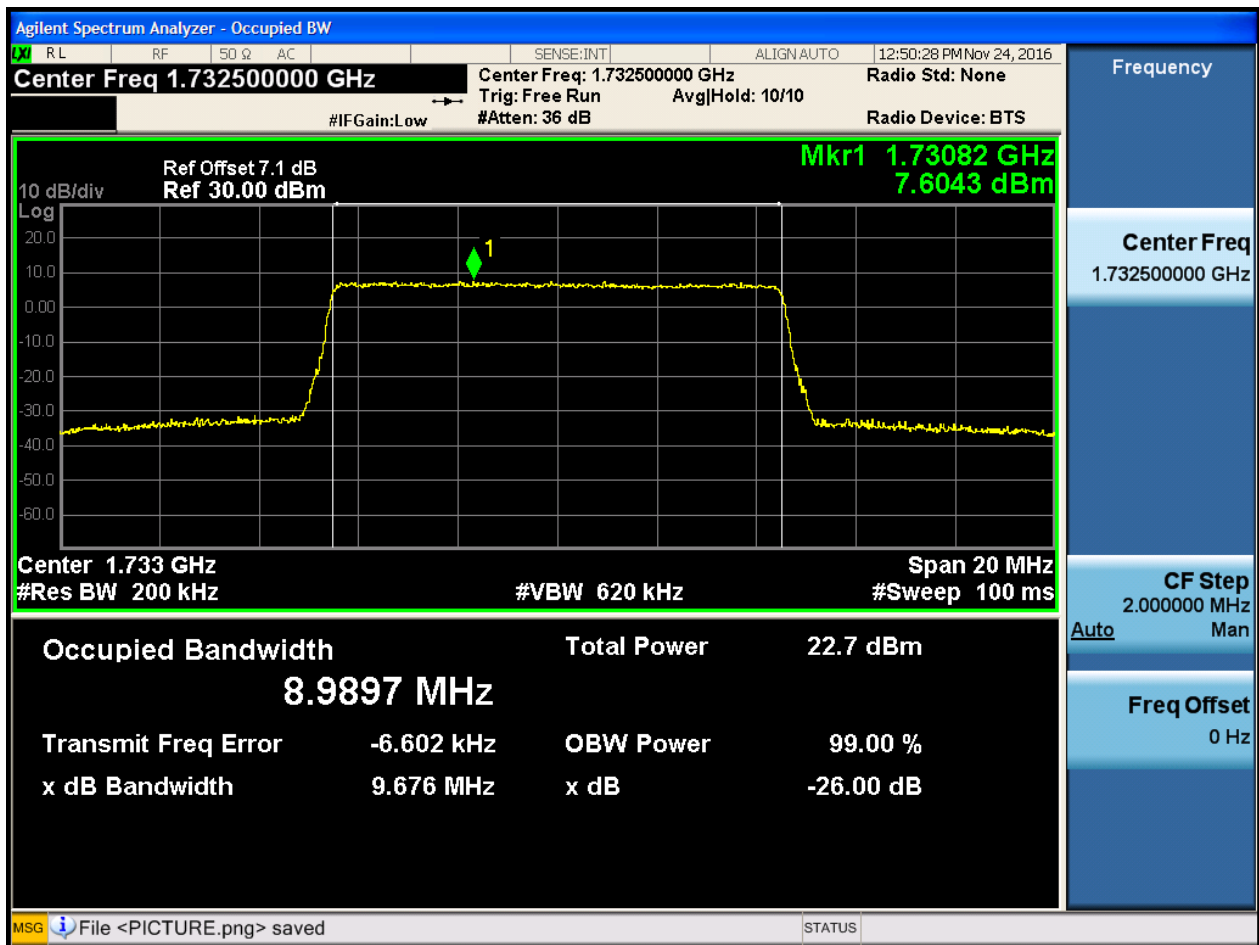
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

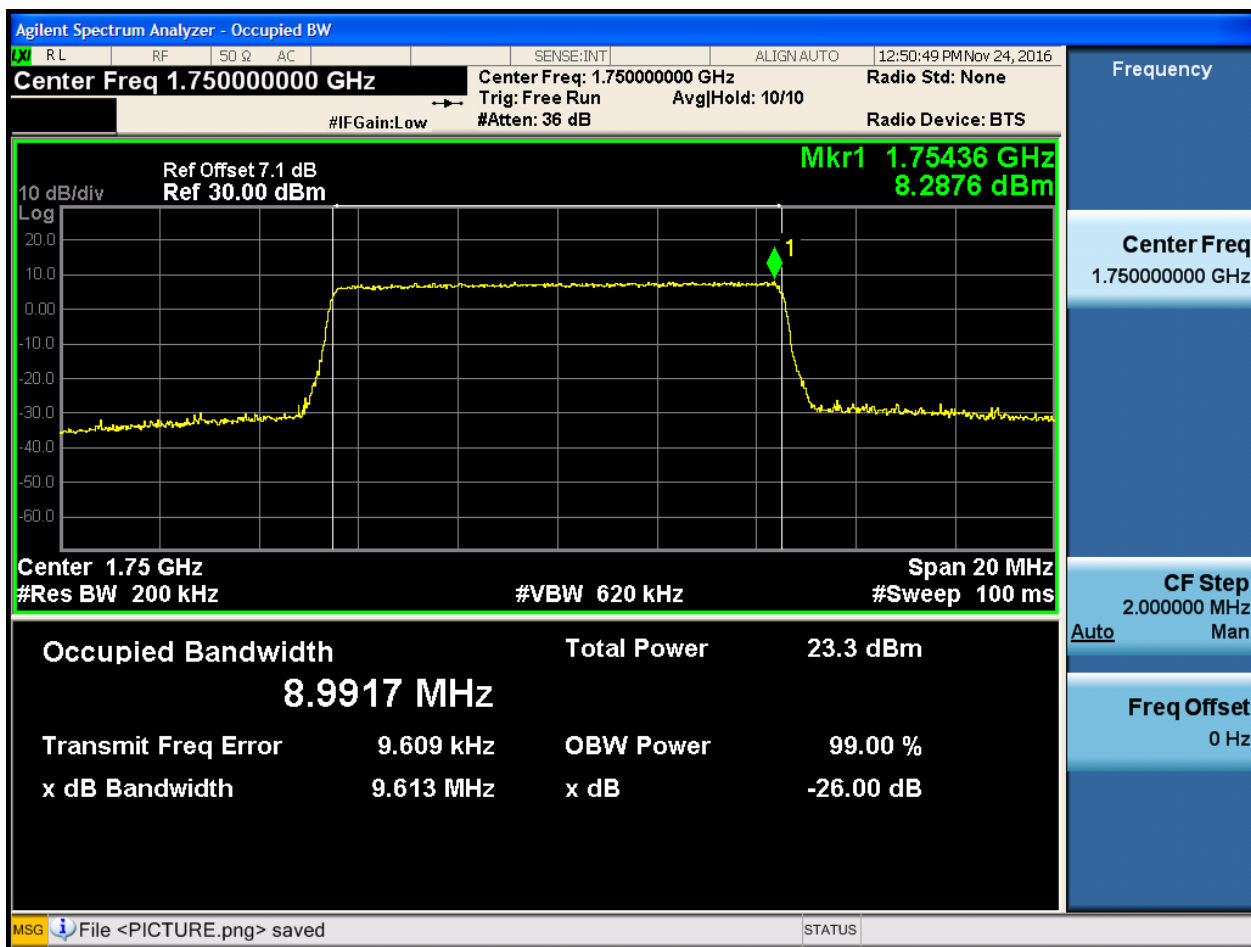
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

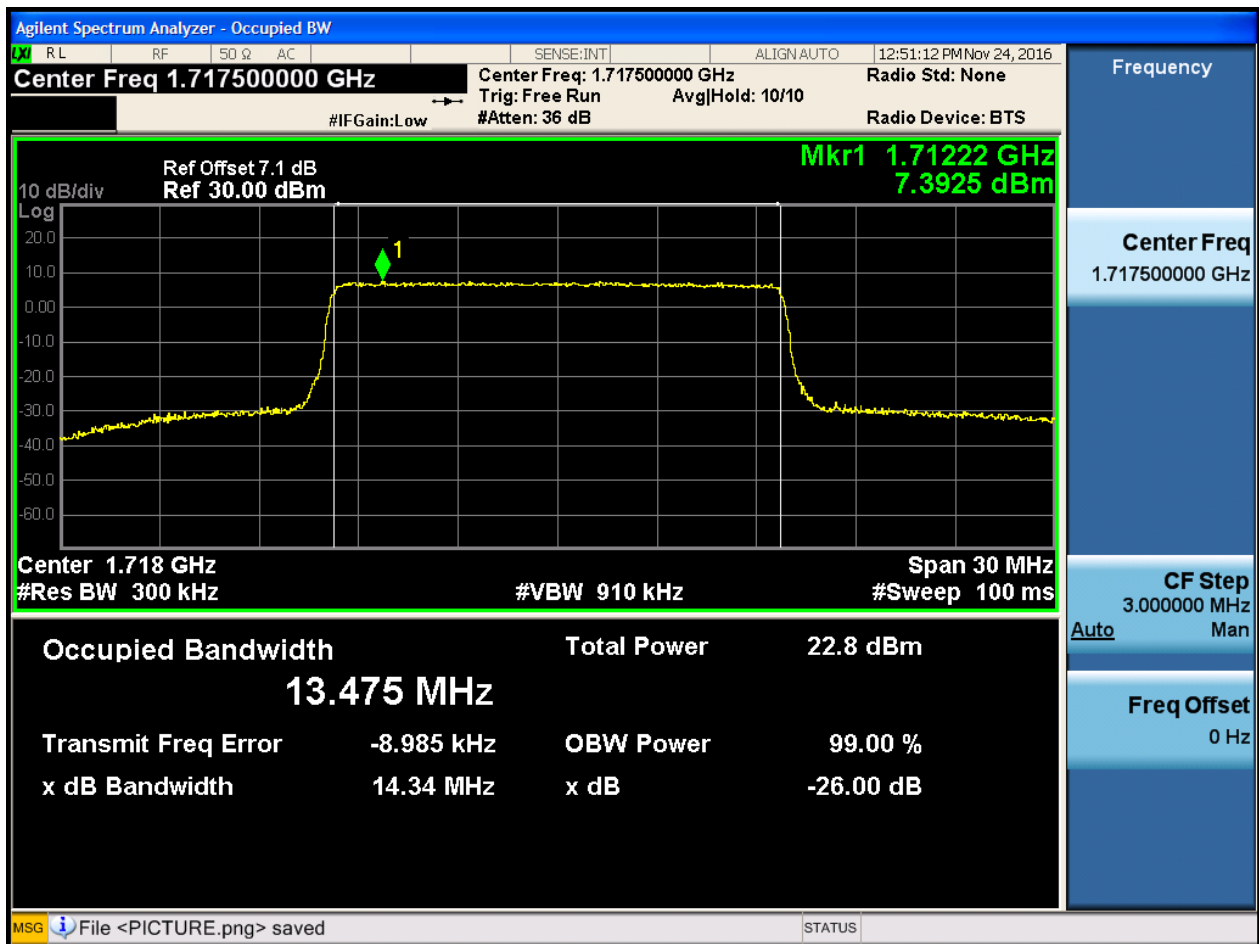




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

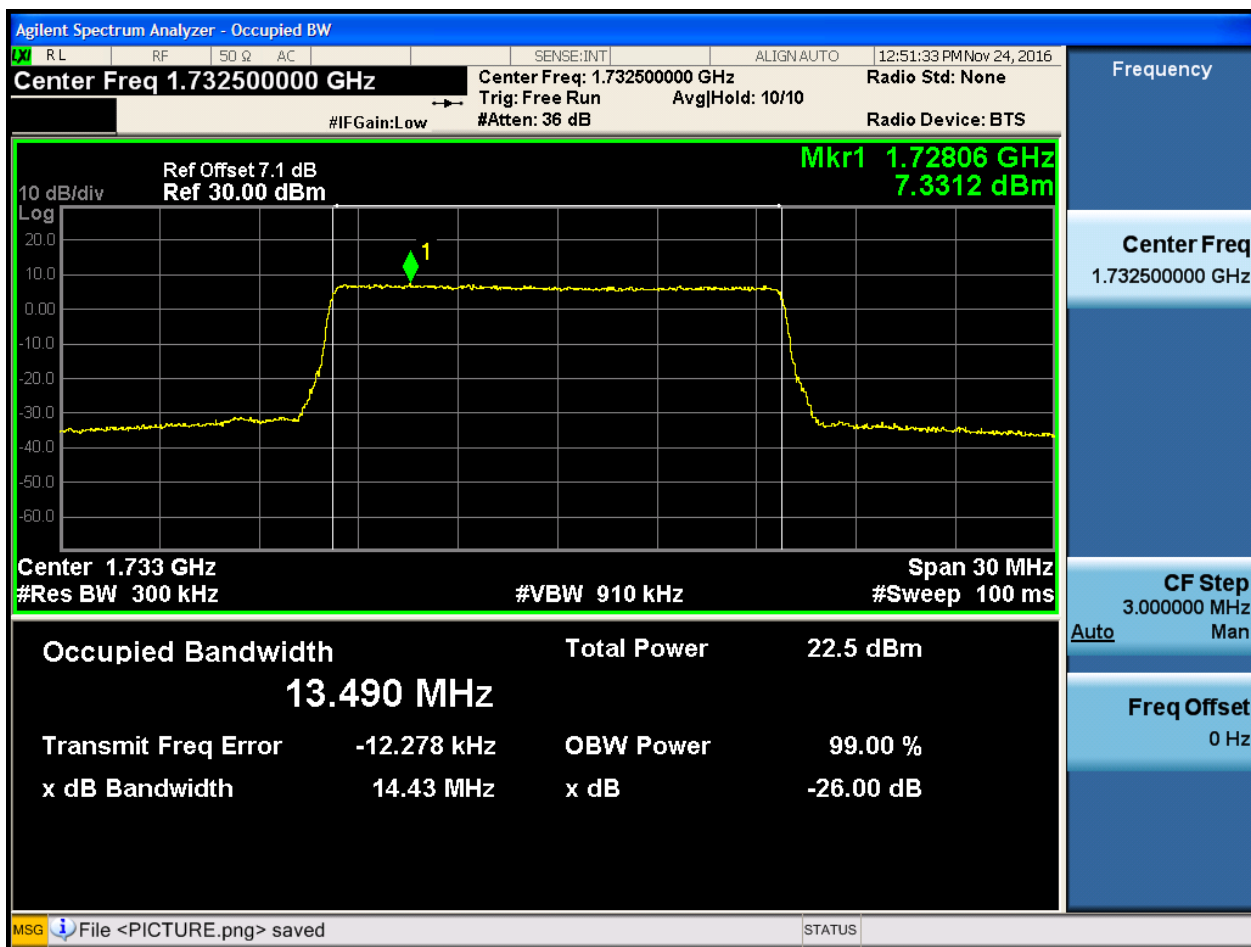
4.1.1.2.5.1.1 Test RB = RB75#0





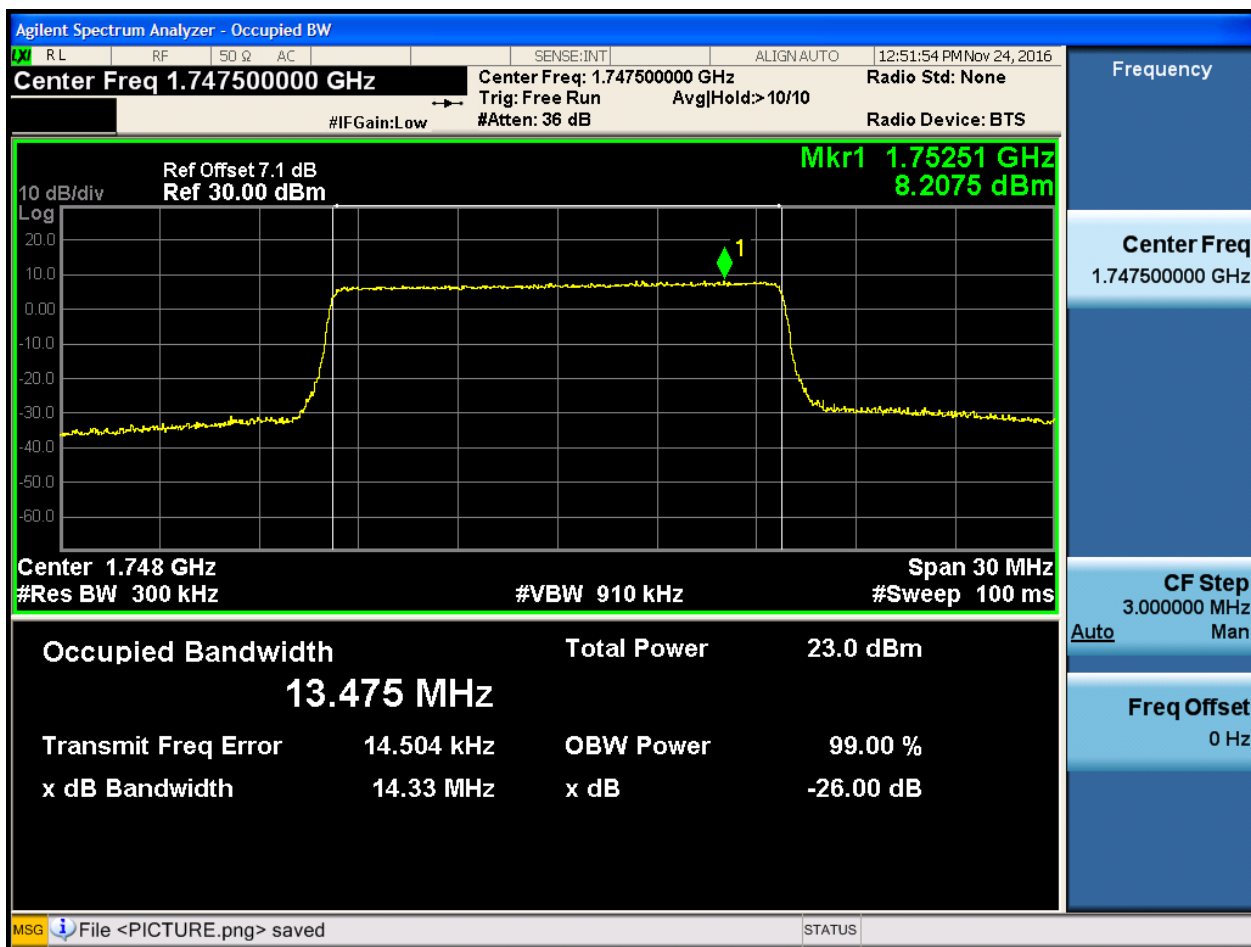
4.1.1.2.5.2 Test Channel = MCH

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

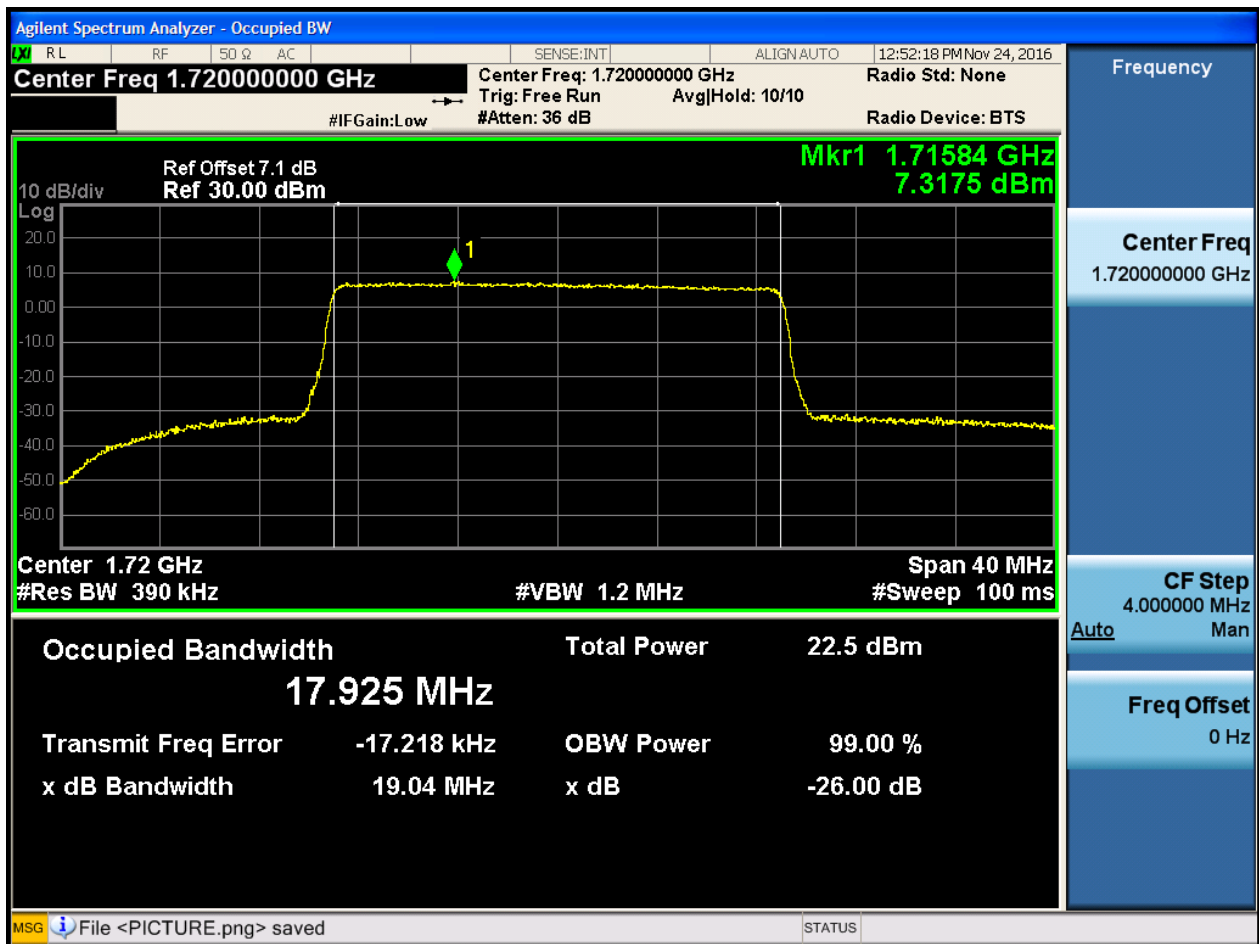




4.1.1.2.6 Test Bandwidth = 20

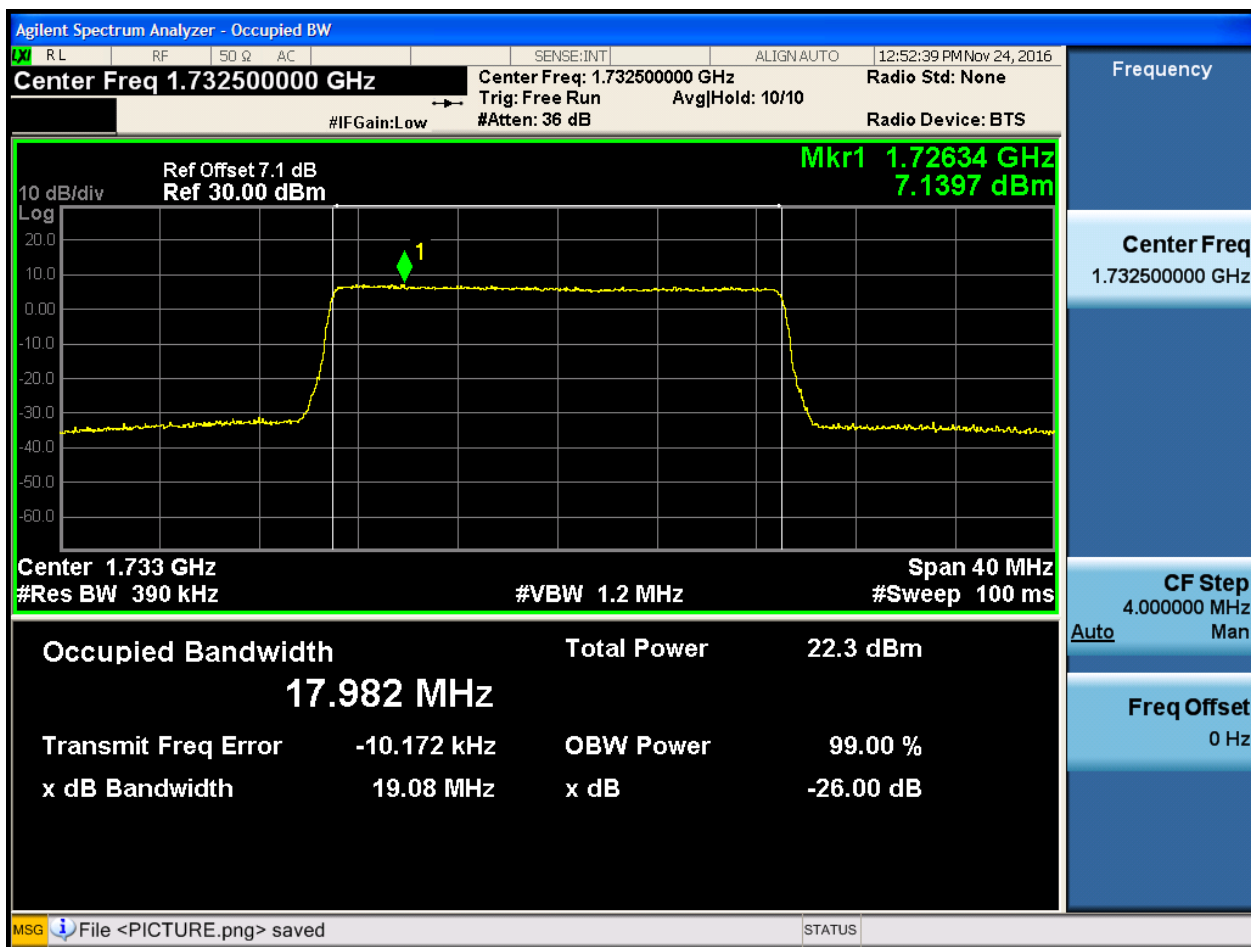
4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0



4.1.1.2.6.2 Test Channel = MCH

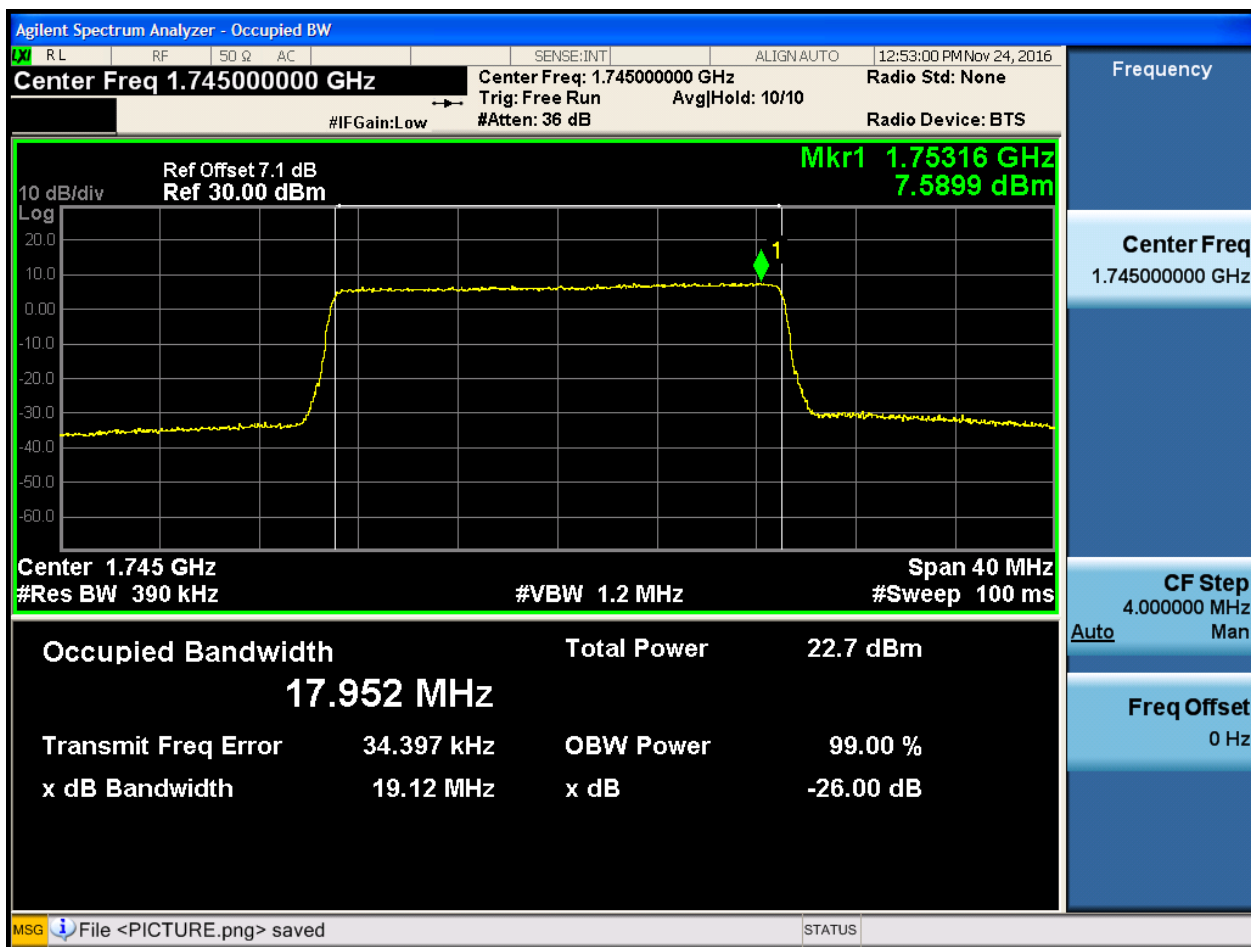
4.1.1.2.6.2.1 Test RB = RB100#0





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

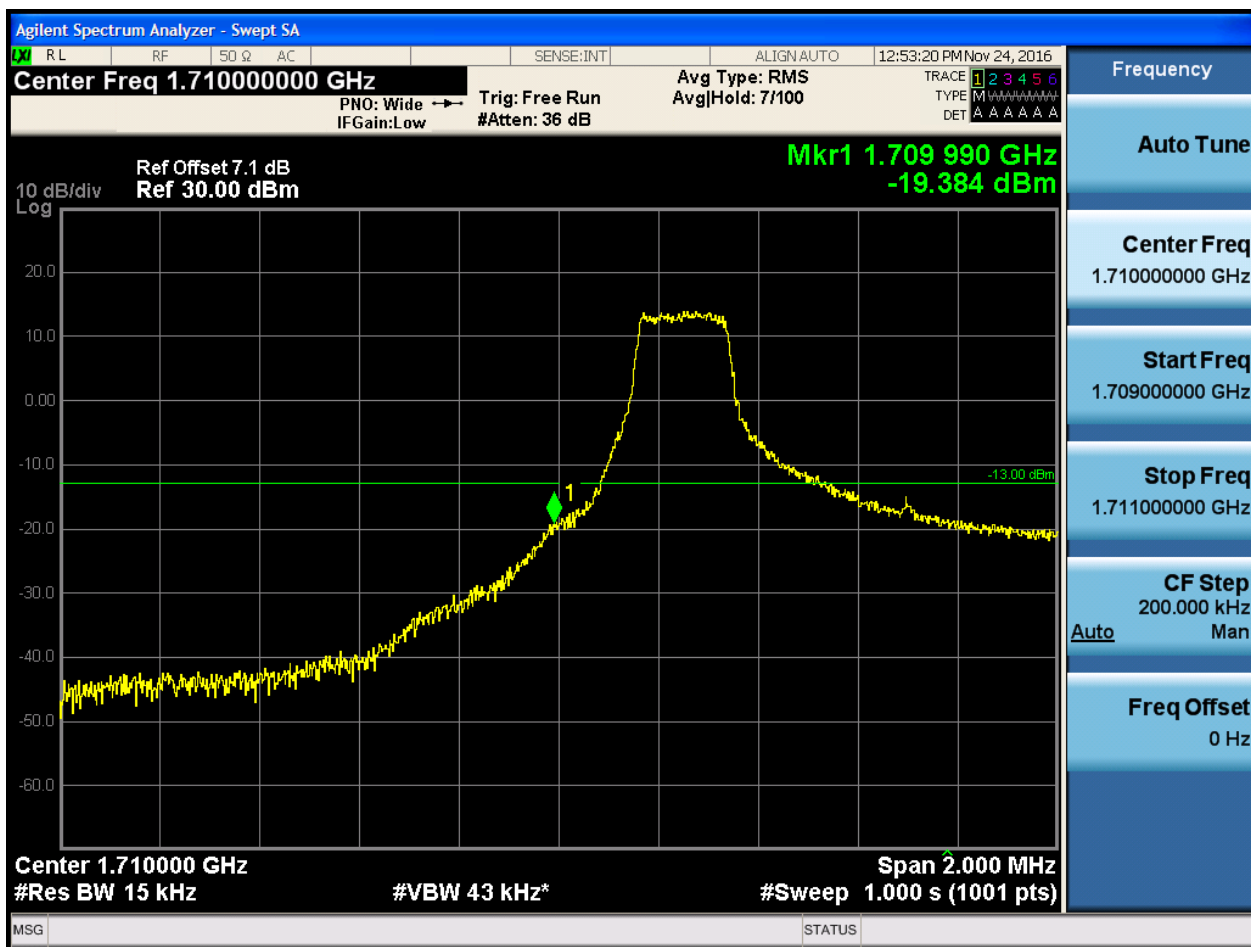
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

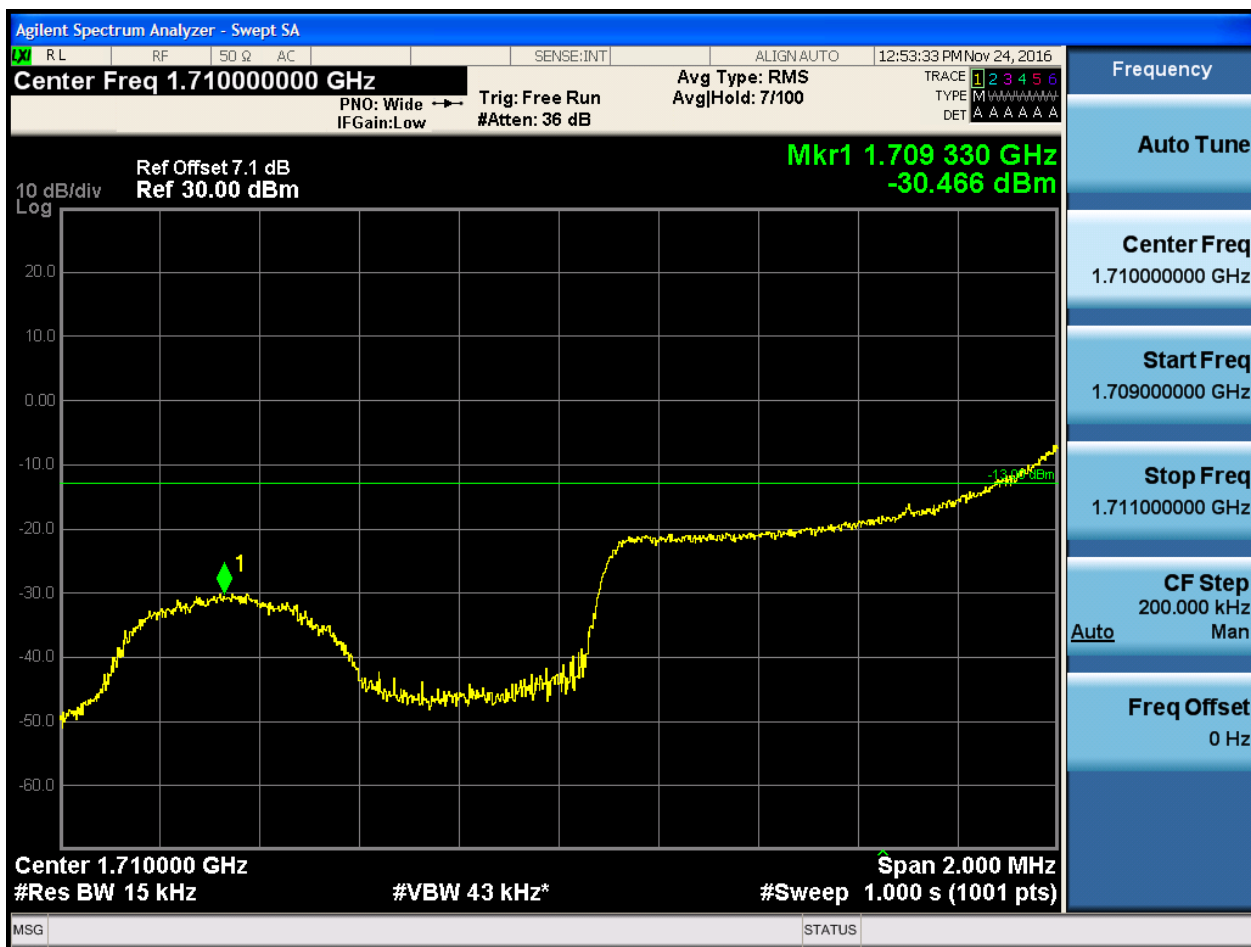
5.1.1.1.1.1 Test Channel = LCH

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 12:54:01 PM Nov 24, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain: Low Trig: Free Run AvgHold: 6/100
#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 1.709 990 GHz
-28.492 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 Alignment Completed 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



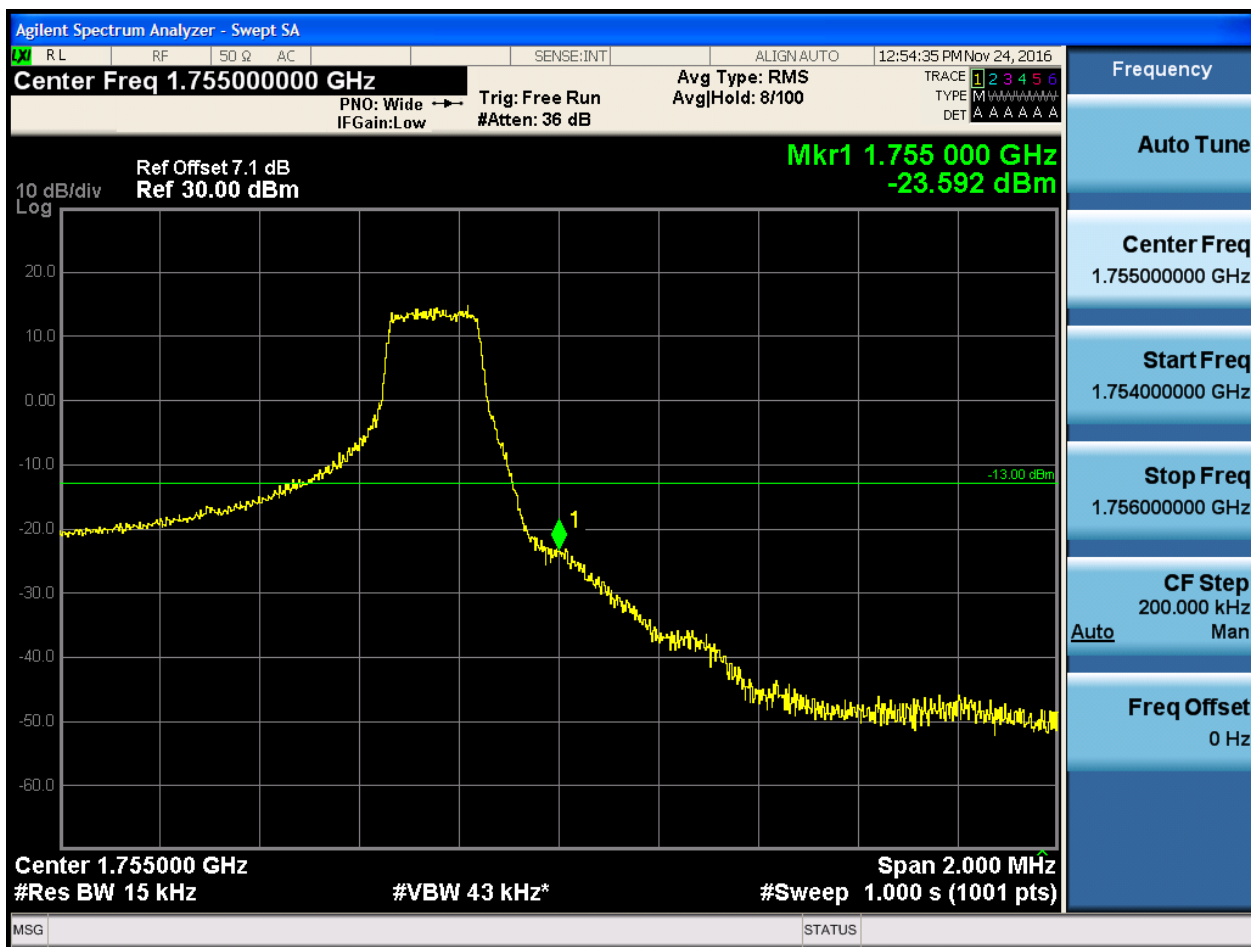
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.1.2.3 Test RB = RB3#2





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

20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

1

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

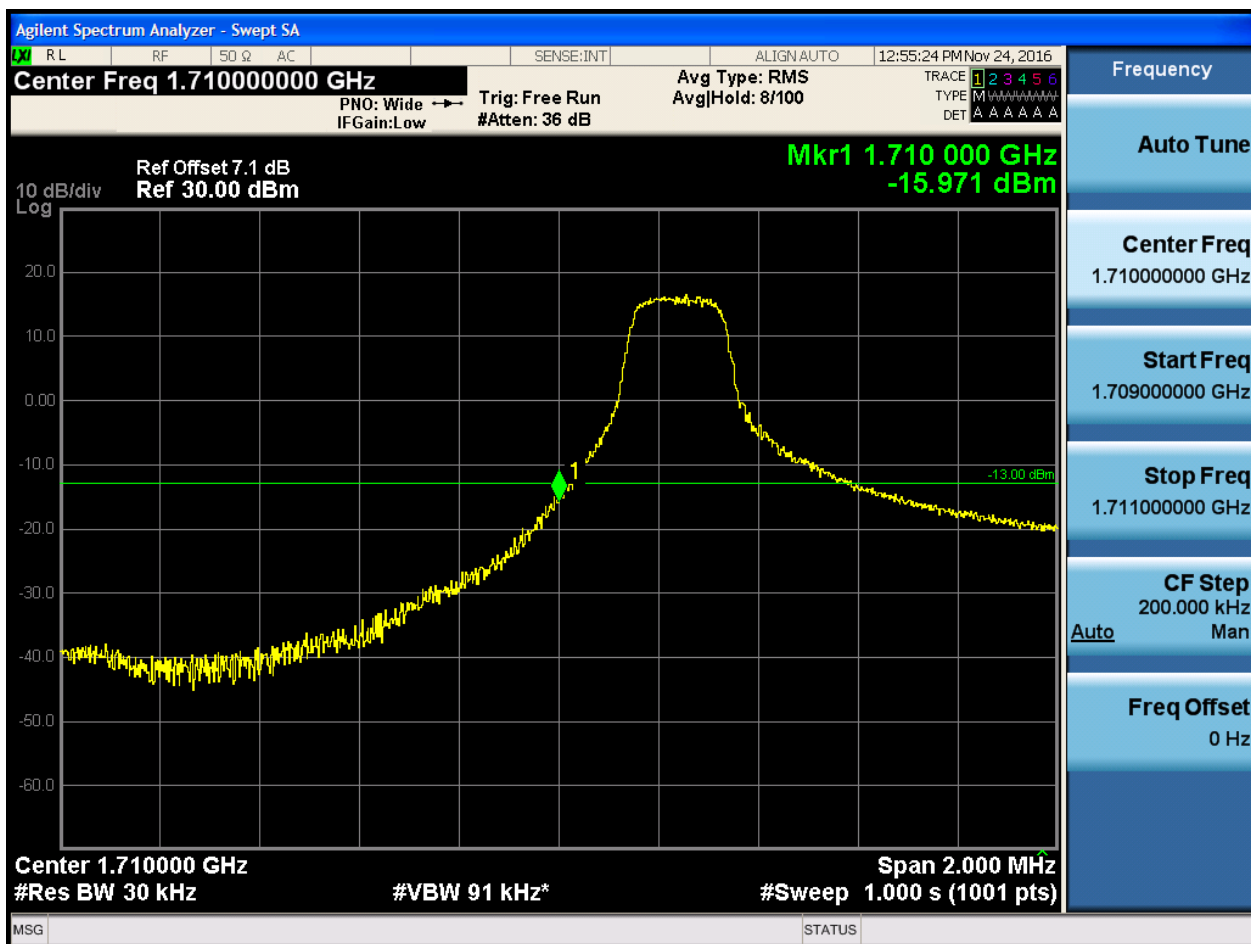
Freq Offset
0 Hz



5.1.1.1.2 Test Bandwidth = 3

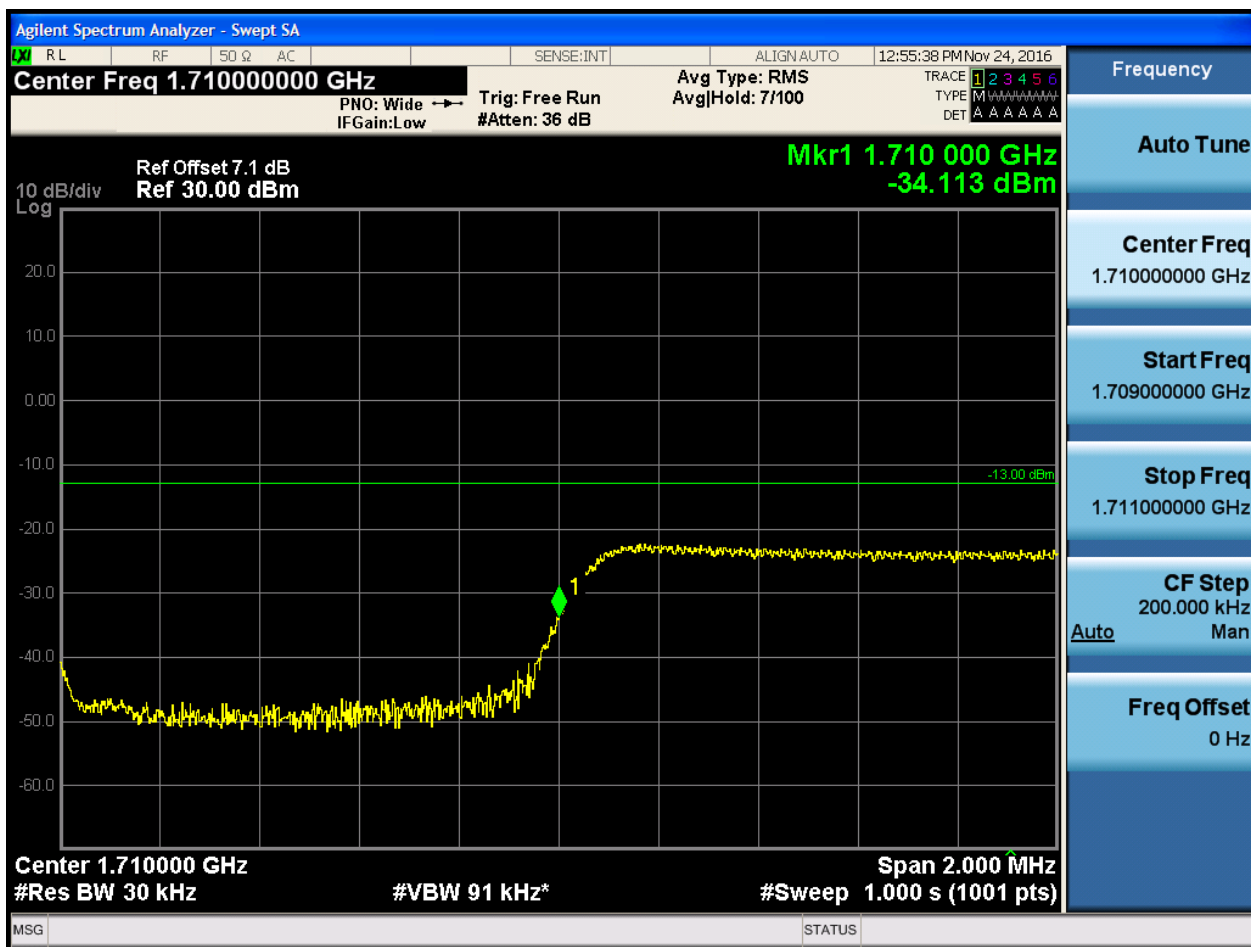
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



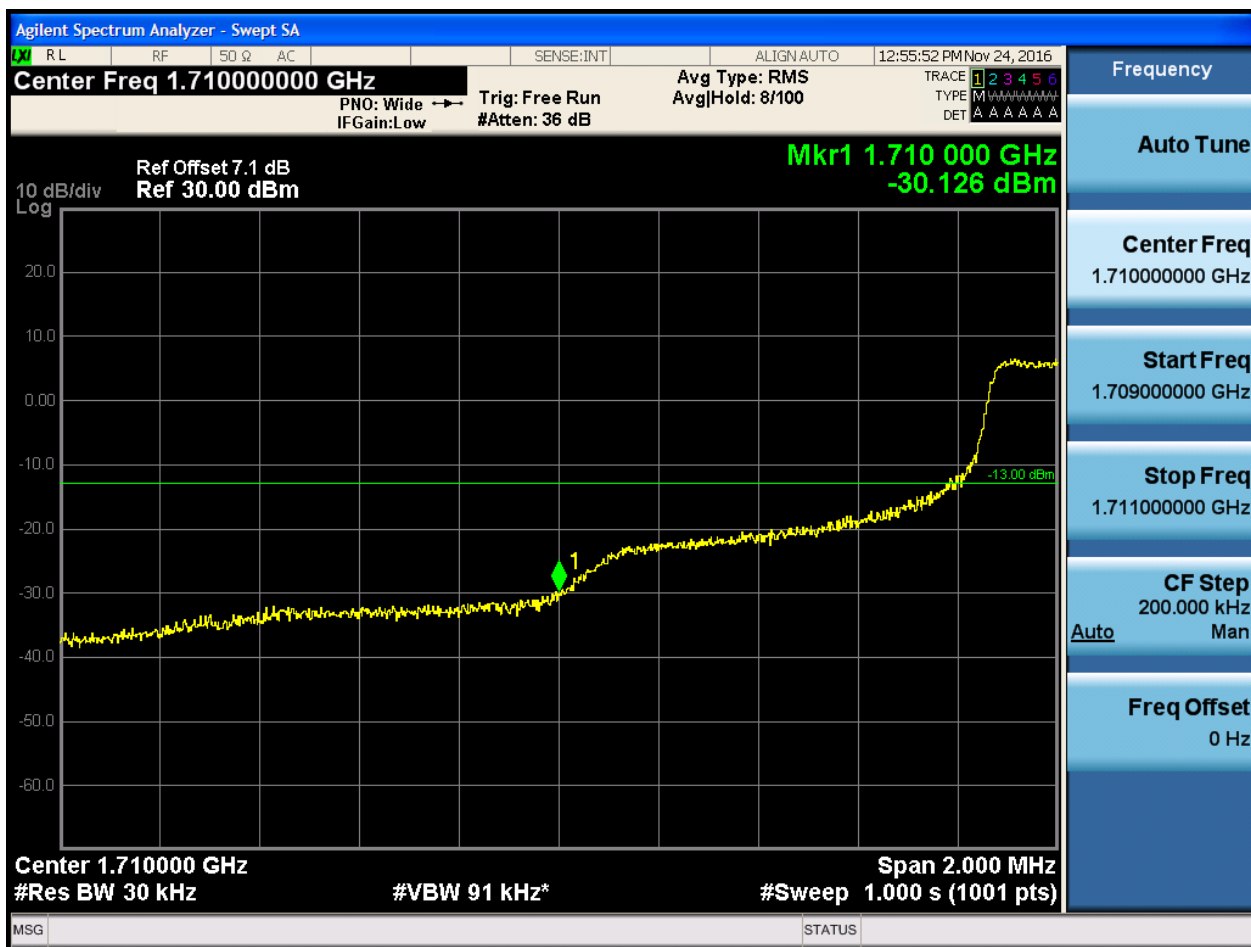


5.1.1.1.2.1.2 Test RB = RB1#14



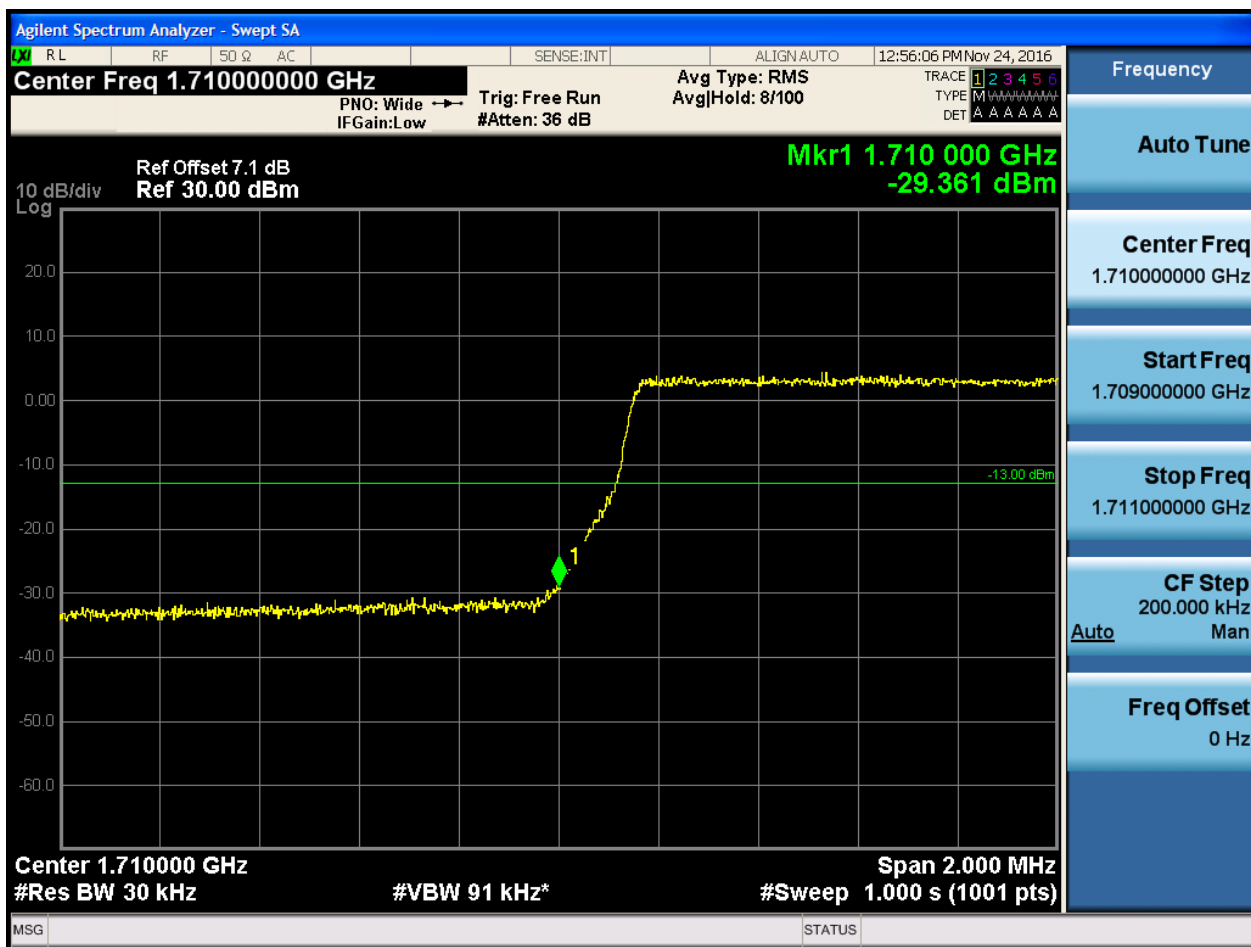


5.1.1.1.2.1.3 Test RB = RB8#4



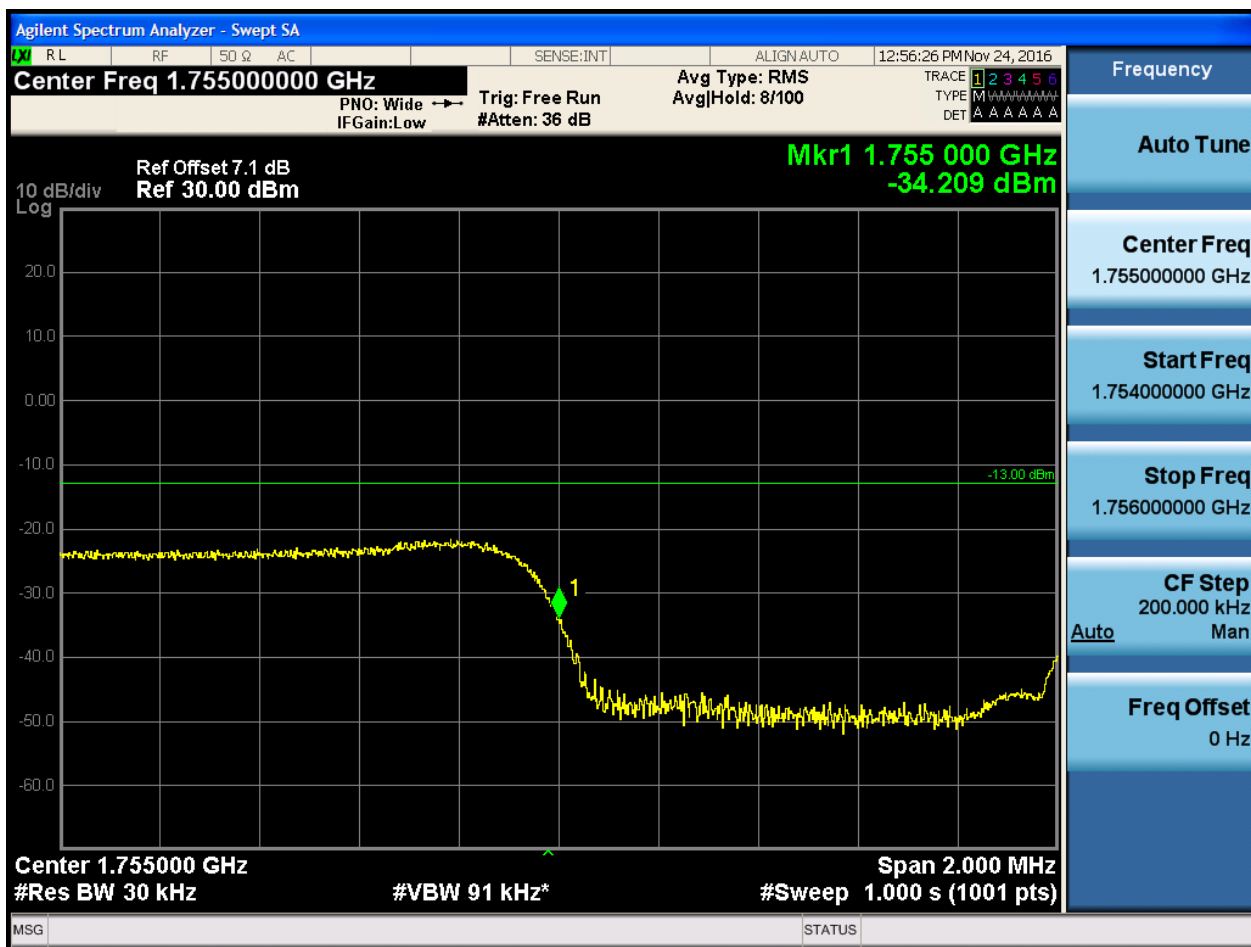


5.1.1.1.2.1.4 Test RB = RB15#0



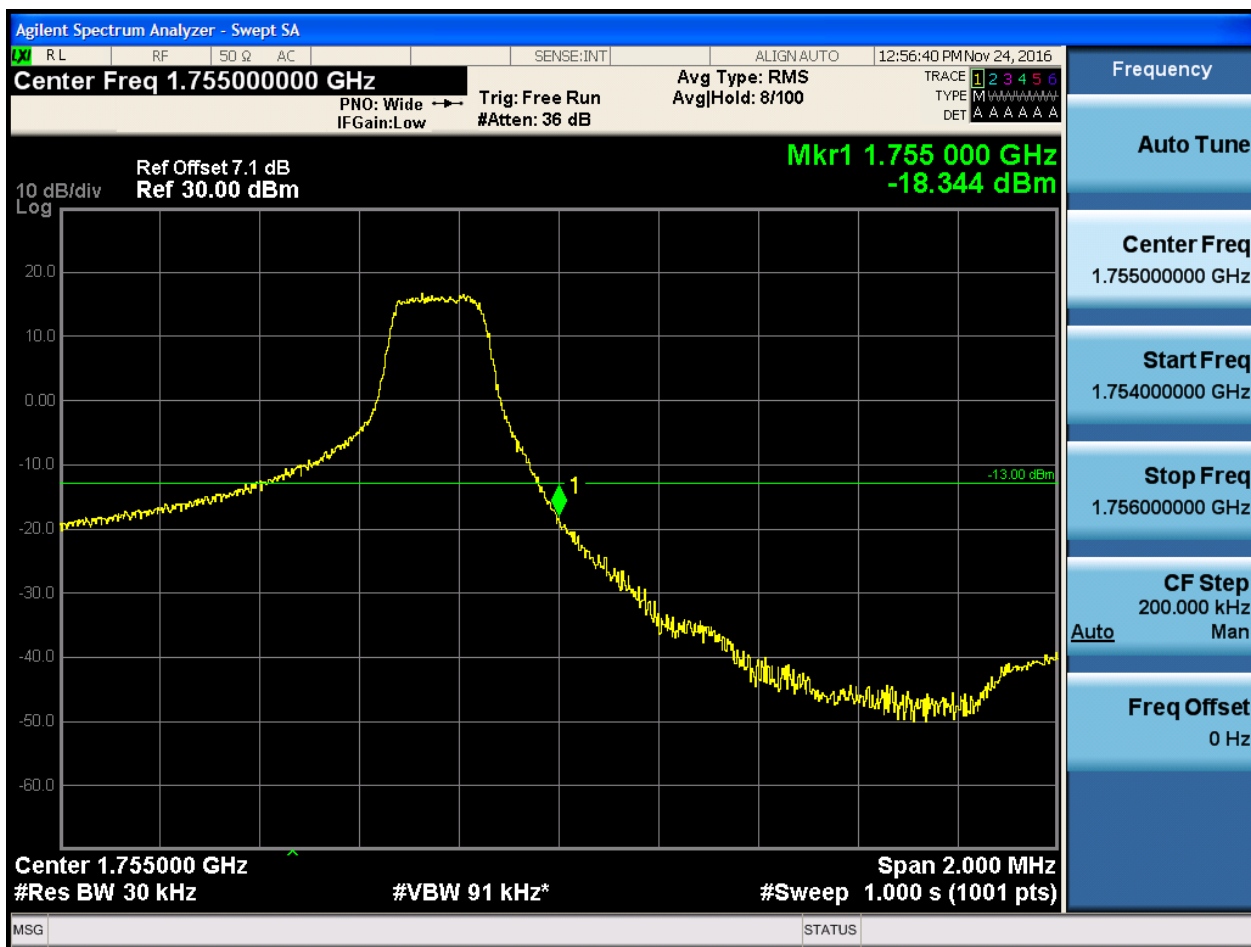
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

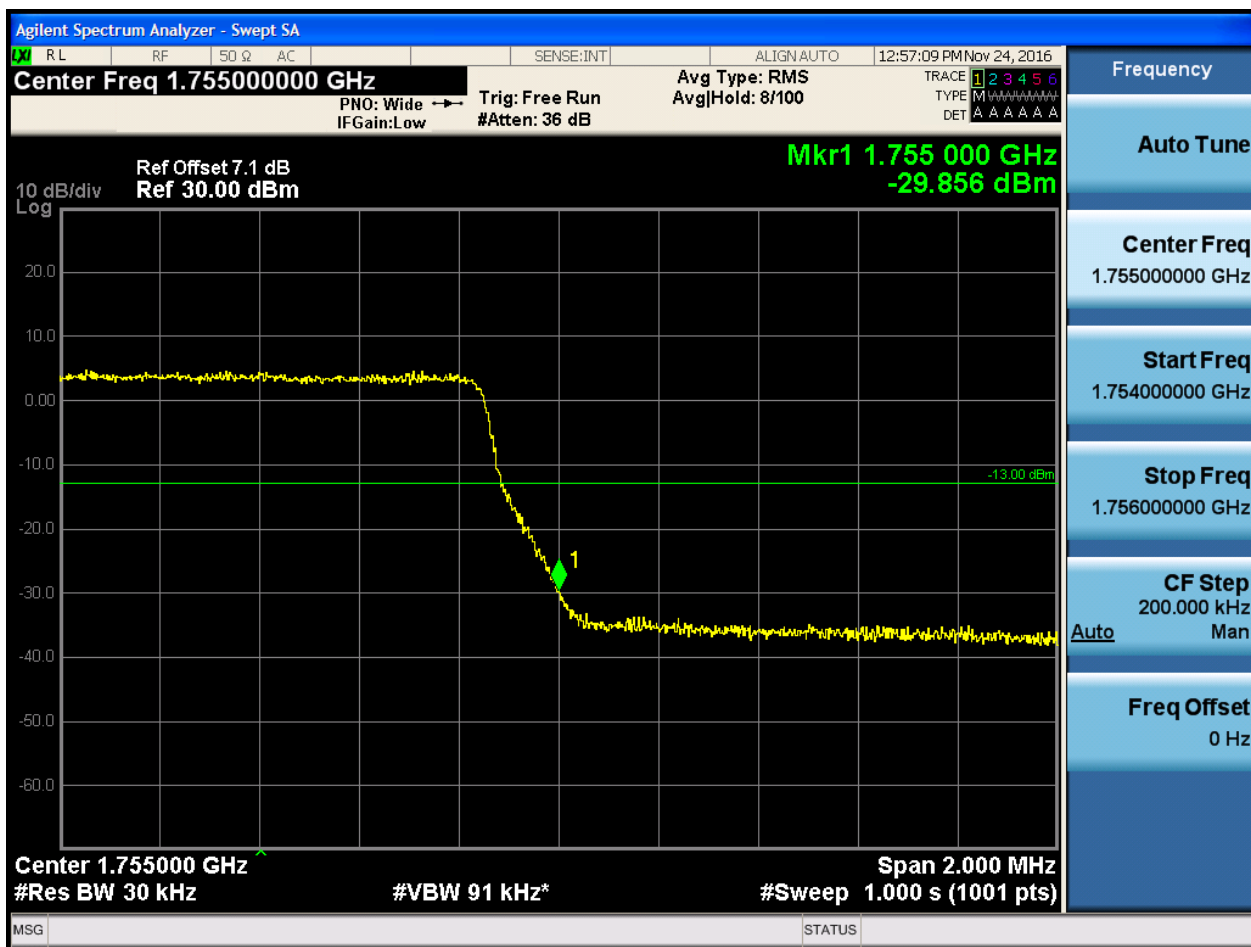
Mkr1 1.755 010 GHz
-31.718 dBm

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

MSG STATUS



5.1.1.1.2.2.4 Test RB = RB15#0

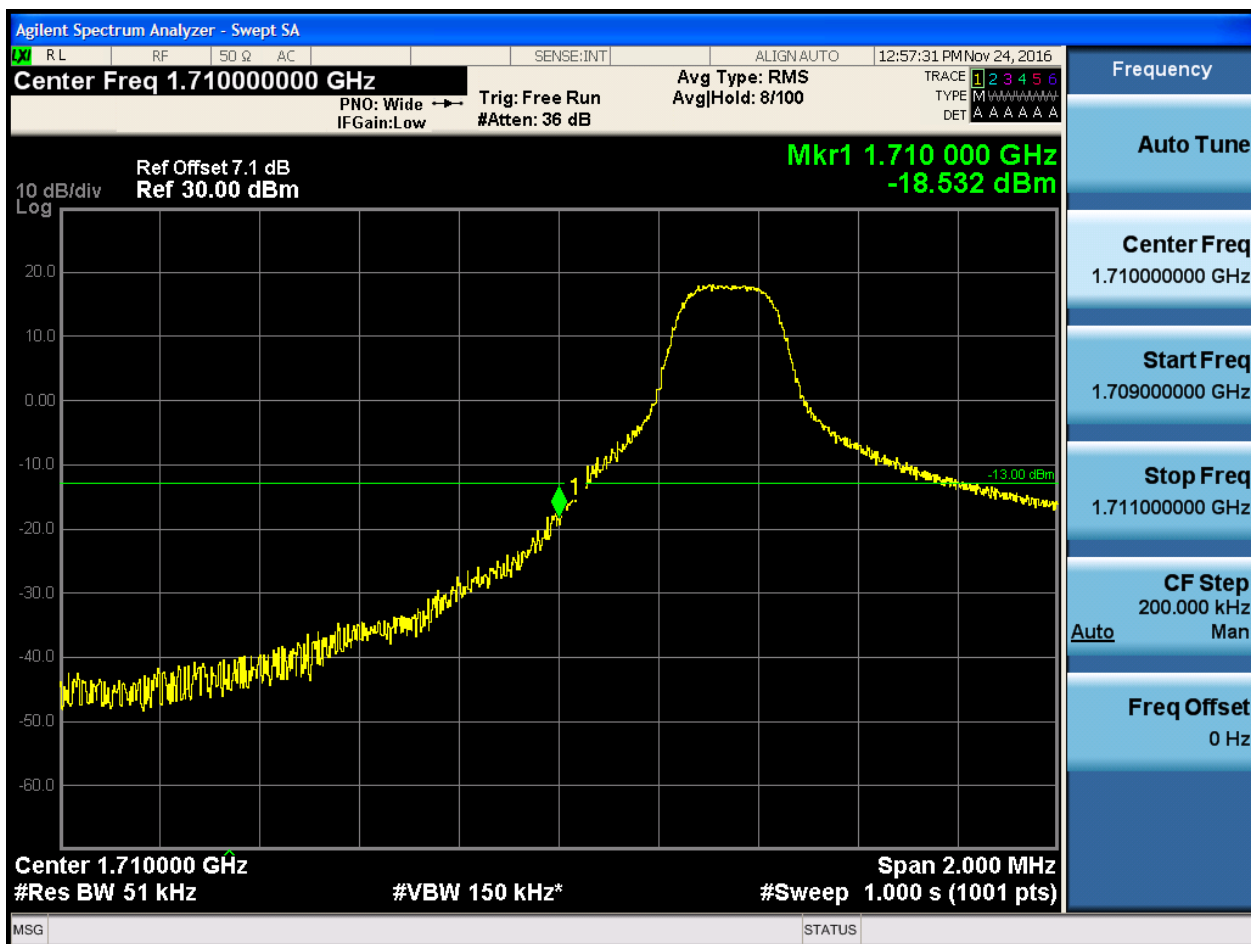




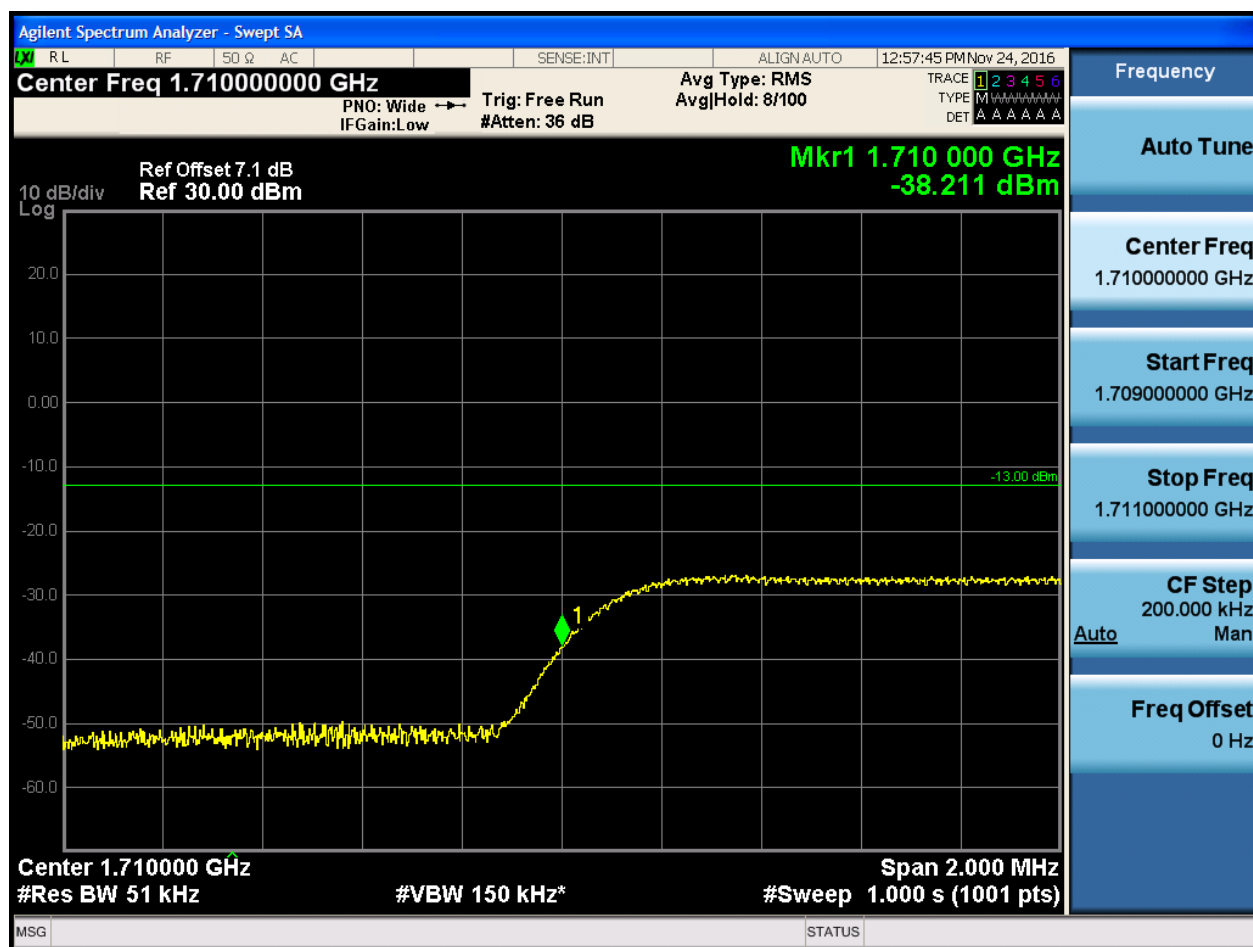
5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0

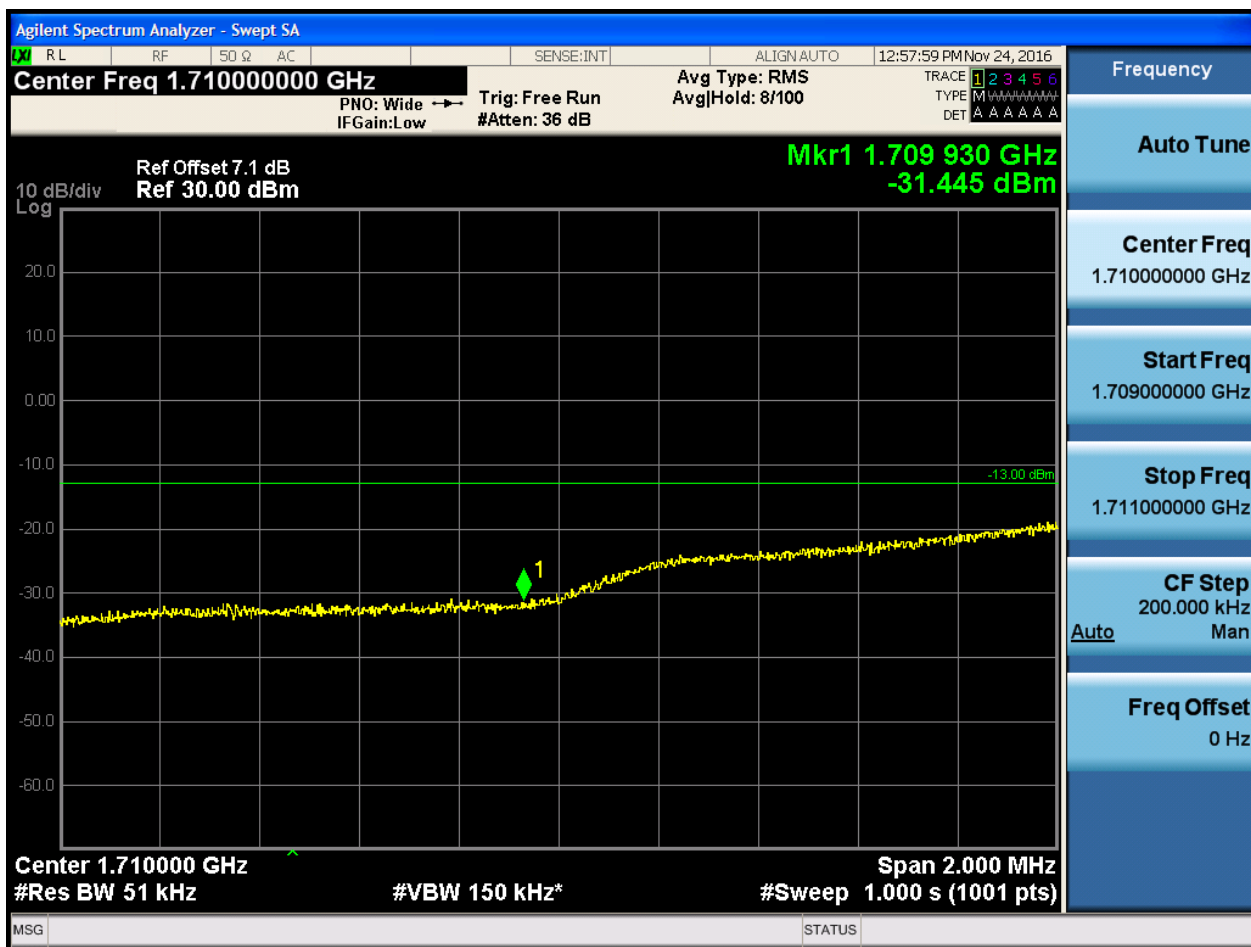


5.1.1.1.3.1.2 Test RB = RB1#24



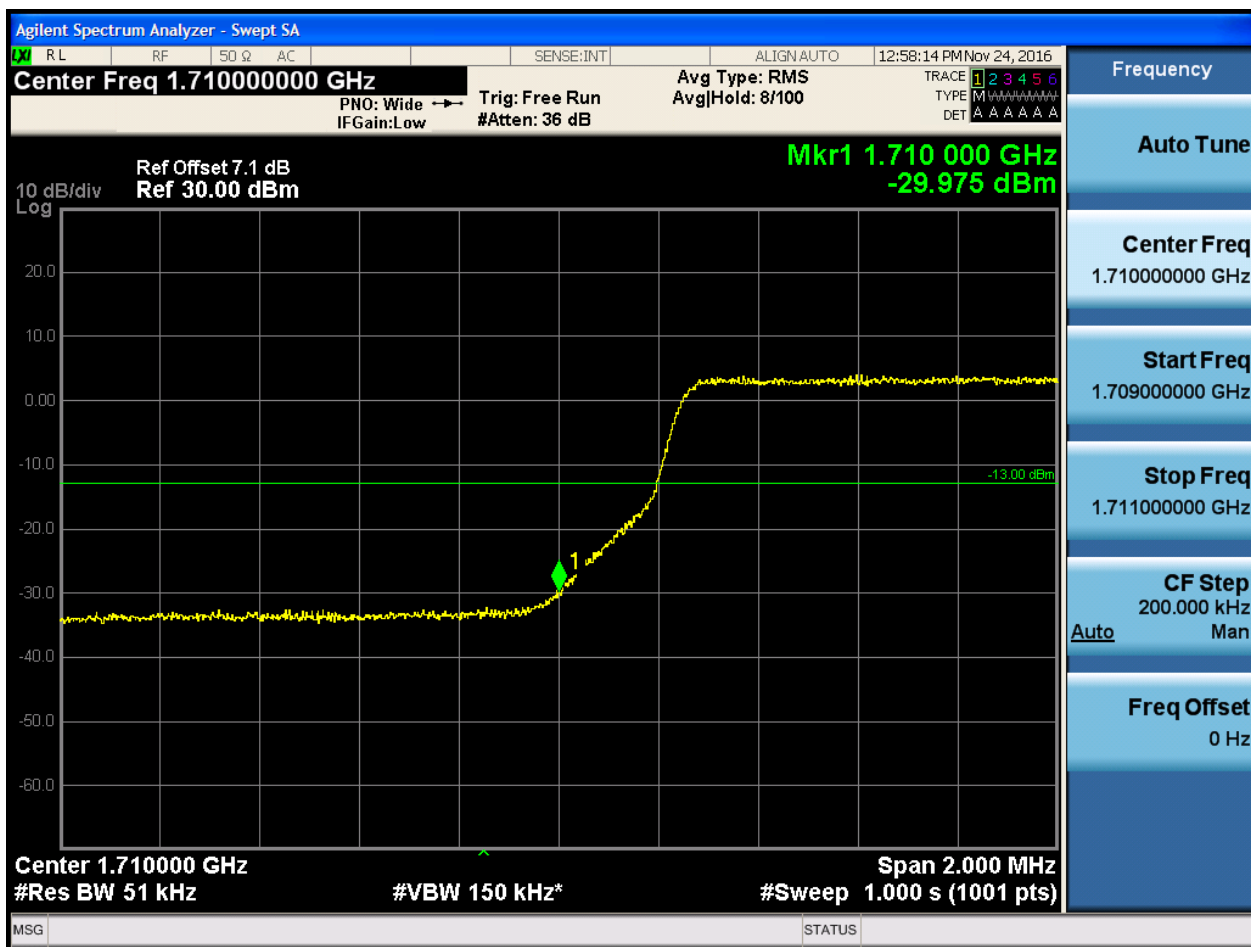


5.1.1.1.3.1.3 Test RB = RB12#6





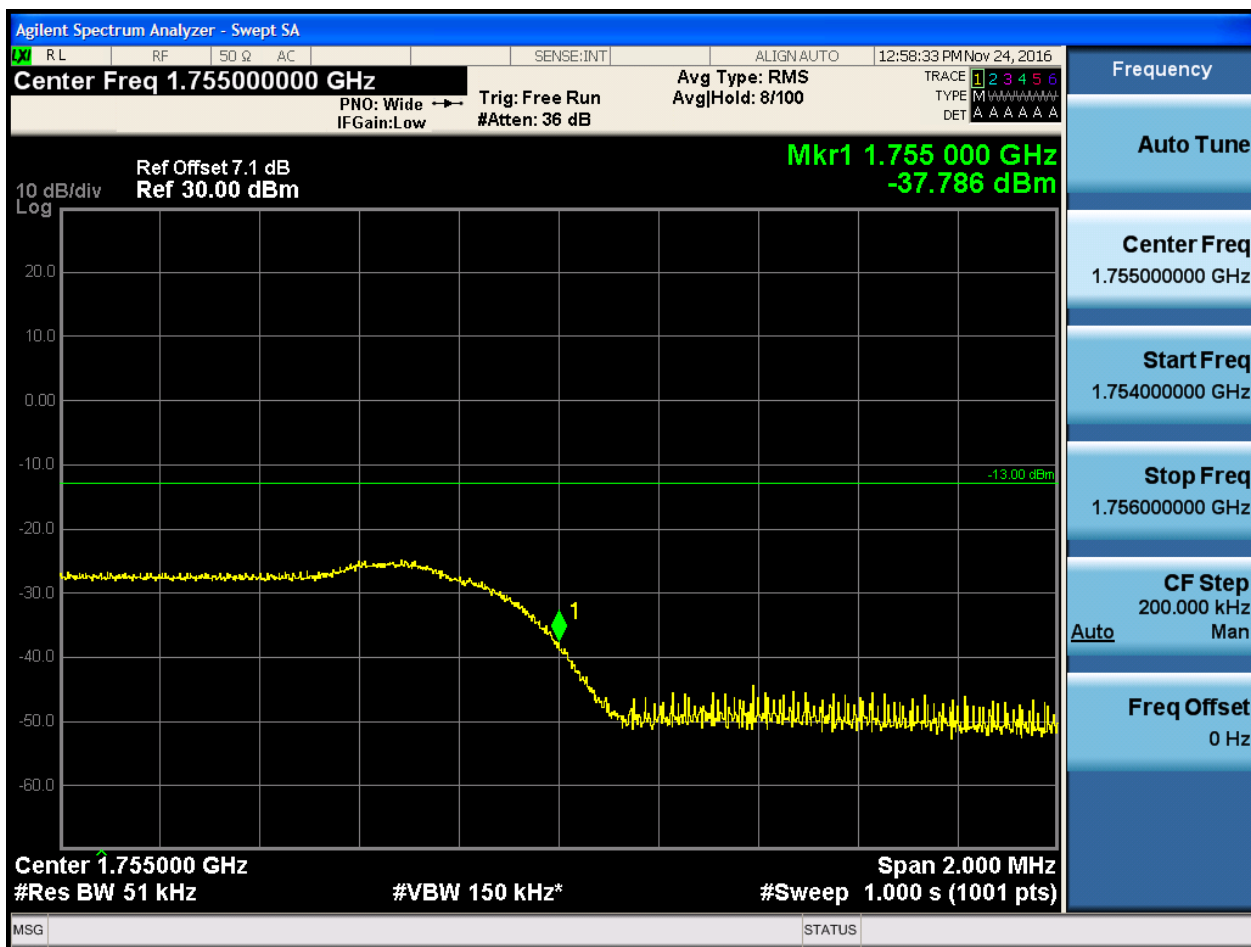
5.1.1.1.3.1.4 Test RB = RB25#0





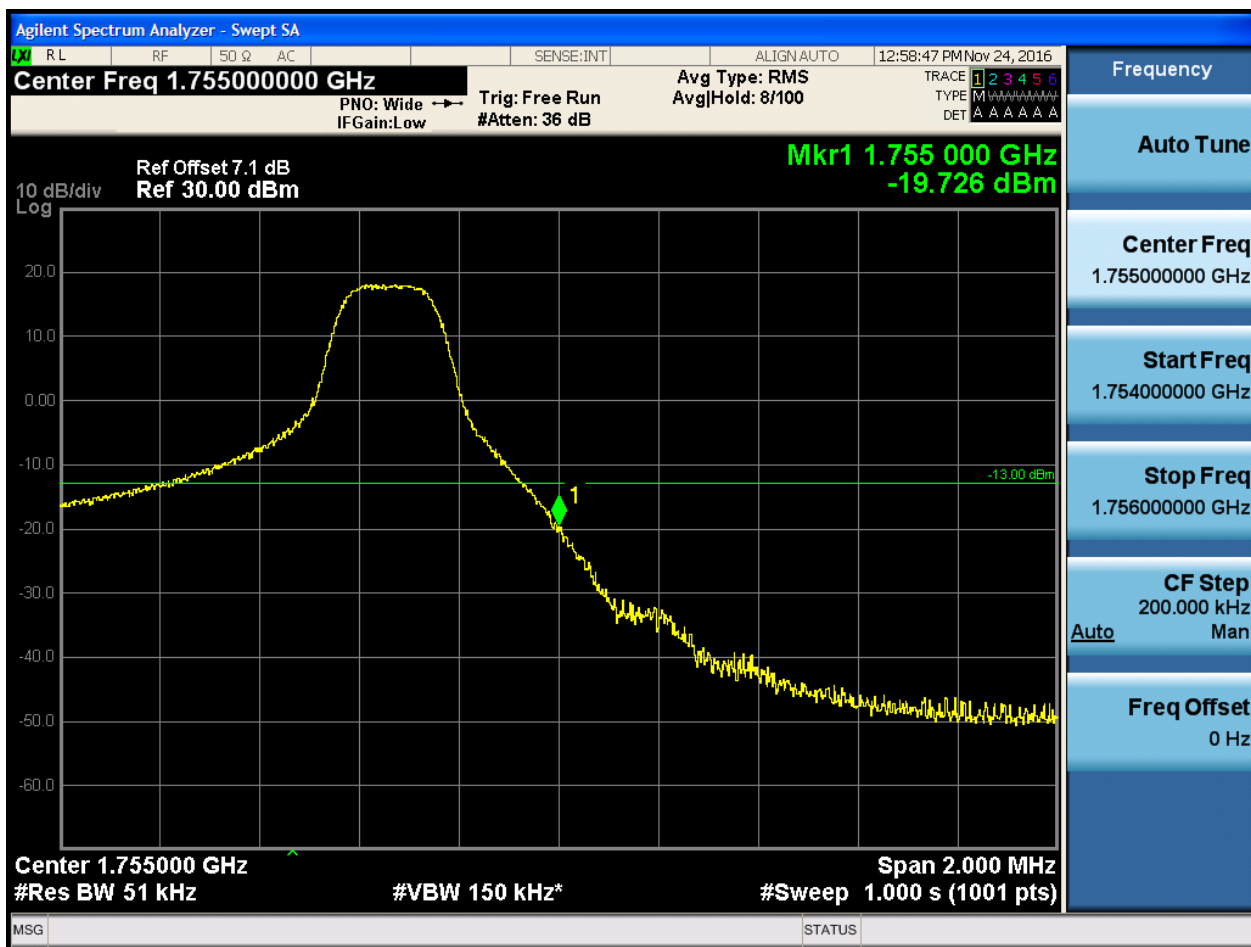
5.1.1.1.3.2 Test Channel = HCH

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

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-30.014 dBm

Center 1.755000 GHz
#Res BW 51 kHz
#VBW 150 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 Man

Freq Offset
0 Hz

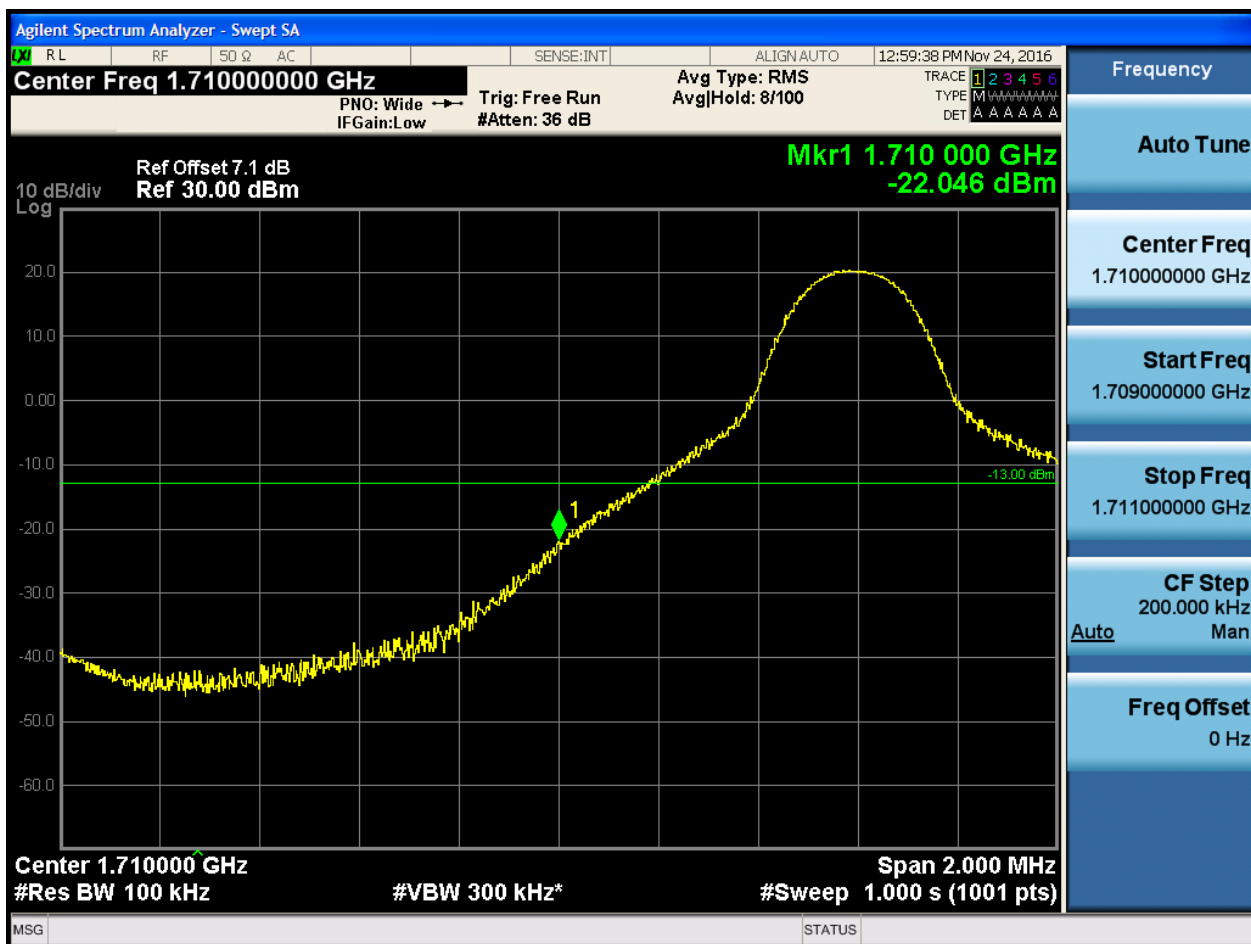
MSG STATUS



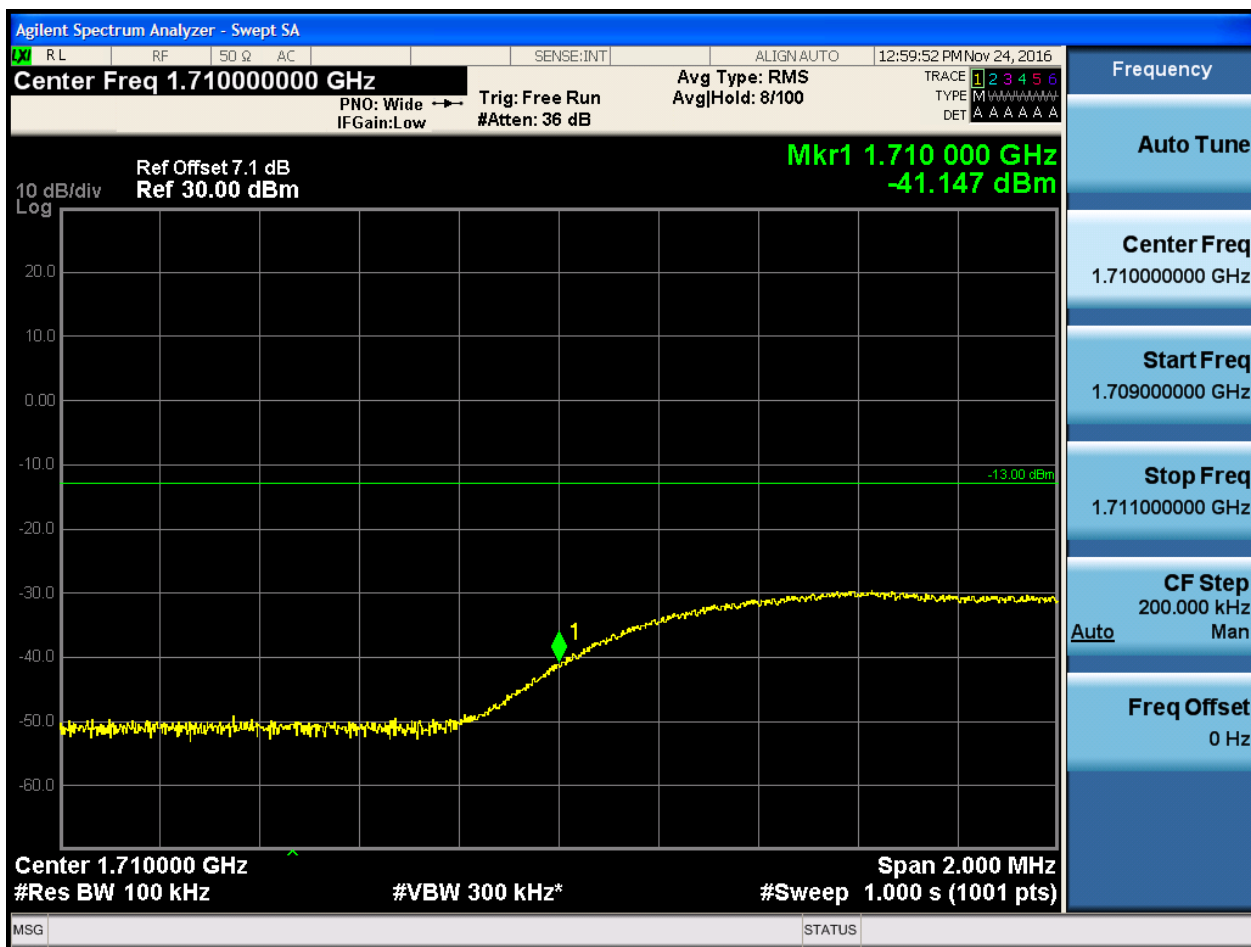
5.1.1.1.4 Test Bandwidth = 10

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

Center Freq 1.710000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.710 000 GHz
-32.614 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 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

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 01:00:55 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 A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-24.230 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 100 kHz #VBW 300 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 01:01:09 PM Nov 24, 2016

Center Freq 1.755000000 GHz Avg Type: RMS Trig: Free Run
 PNO: Wide IFGain:Low #Atten: 36 dB AvgHold: 8/100

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

Ref Offset 7.1 dB
 Ref 30.00 dBm

Mkr1 1.755 030 GHz
 -33.437 dBm

10 dB/div
 Log

-13.00 dBm

1

Center 1.755000 GHz Span 2.000 MHz
 #Res BW 100 kHz #VBW 300 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

5.1.1.1.4.2.4 Test RB = RB50#0

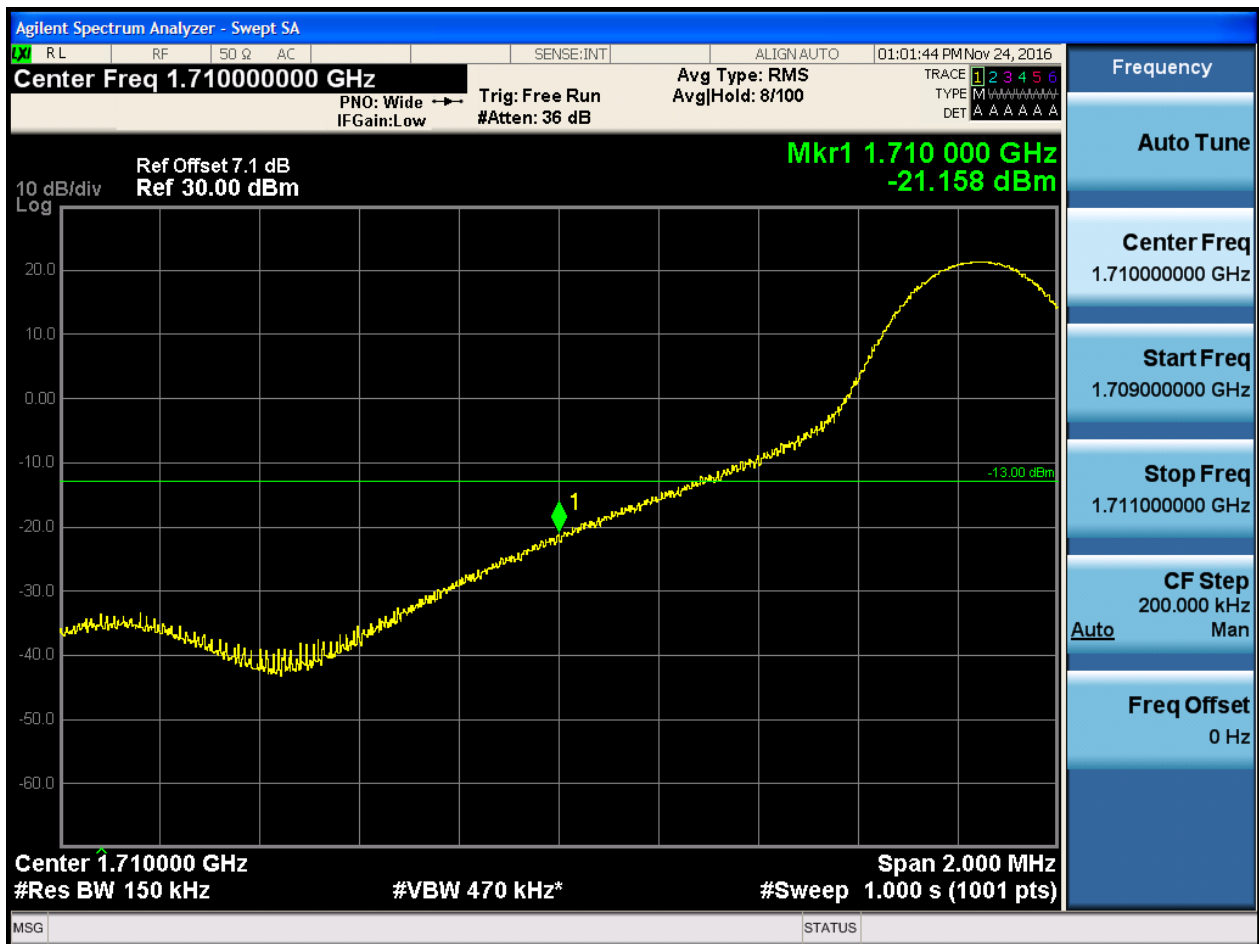




5.1.1.1.5 Test Bandwidth = 15

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:02:13 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 1.709 980 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)

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 01:02:27 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
-32.011 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)

MSG STATUS



5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0



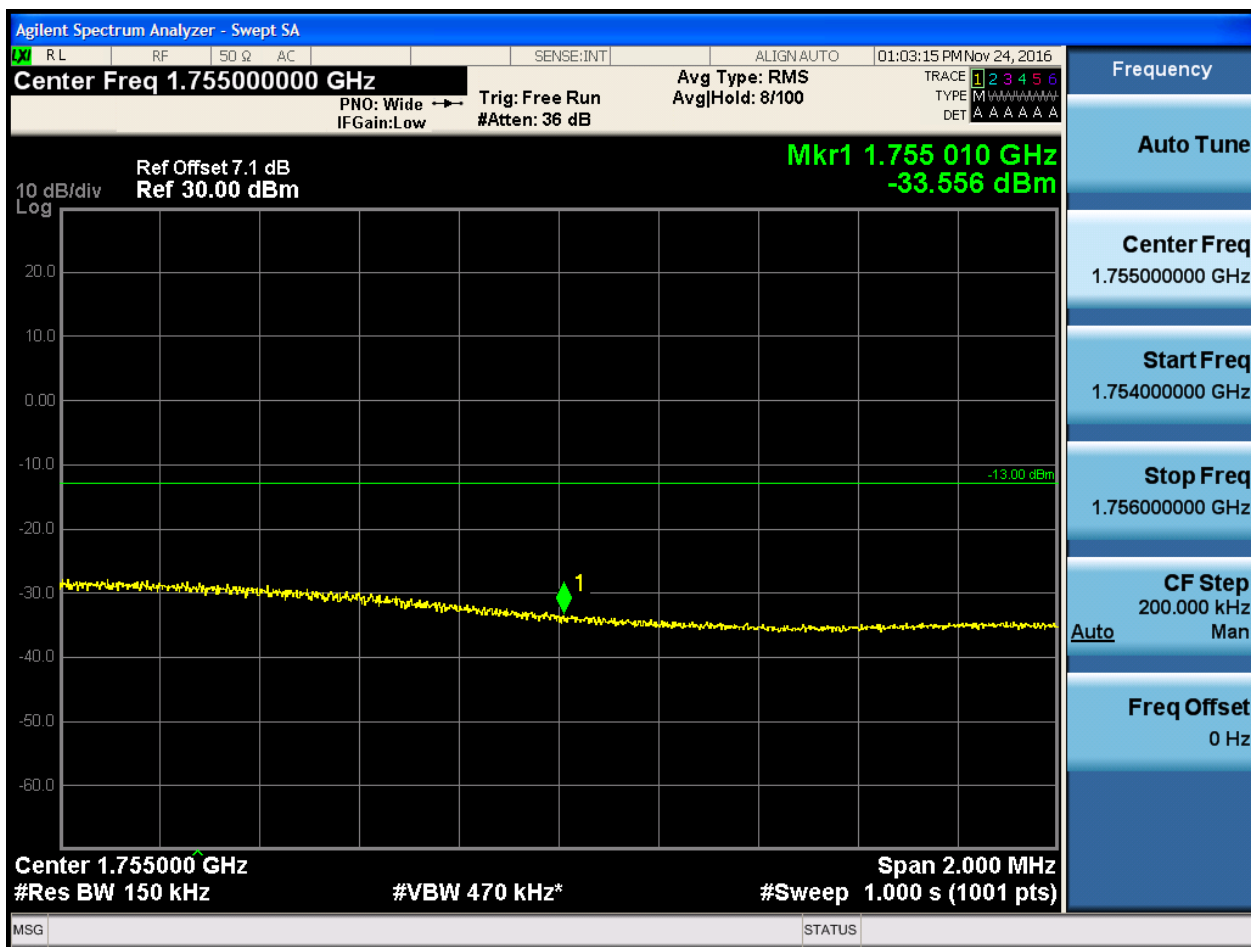


5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





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

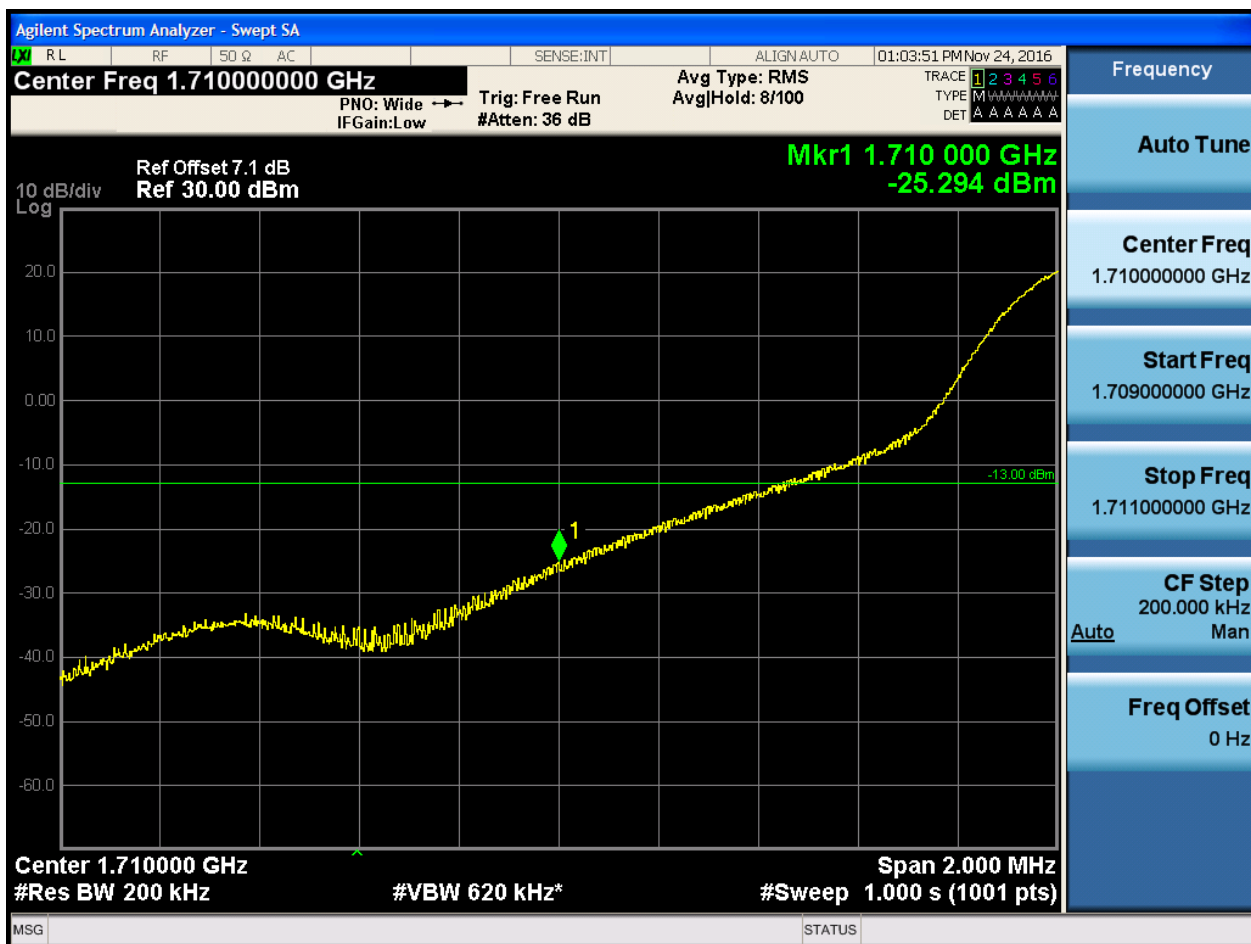
Freq Offset
0 Hz



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





5.1.1.1.6.1.4 Test RB = RB100#0





5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





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
#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

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 050 GHz
-33.374 dBm

Center 1.755000 GHz
#Res BW 200 kHz
#VBW 620 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

The image shows a screenshot of an Agilent Spectrum Analyzer in Swept SA mode. The main display is a log-scale plot of power (dBm) versus frequency (GHz). The center frequency is set to 1.755000000 GHz. The span is 2.000 MHz, and the resolution bandwidth (Res BW) is 200 kHz. The video bandwidth (VBW) is 620 kHz. The trace shows a noisy signal with a peak at 1.755050 GHz, marked with a green diamond and labeled '1'. The power level at this peak is -33.374 dBm. The reference level is 30.00 dBm, and the reference offset is 7.1 dB. The plot is scaled by 10 dB/div. The right side of the screen displays various settings and parameters, including Frequency, Auto Tune, Center Freq, Start Freq, Stop Freq, CF Step, and Freq Offset.



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 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

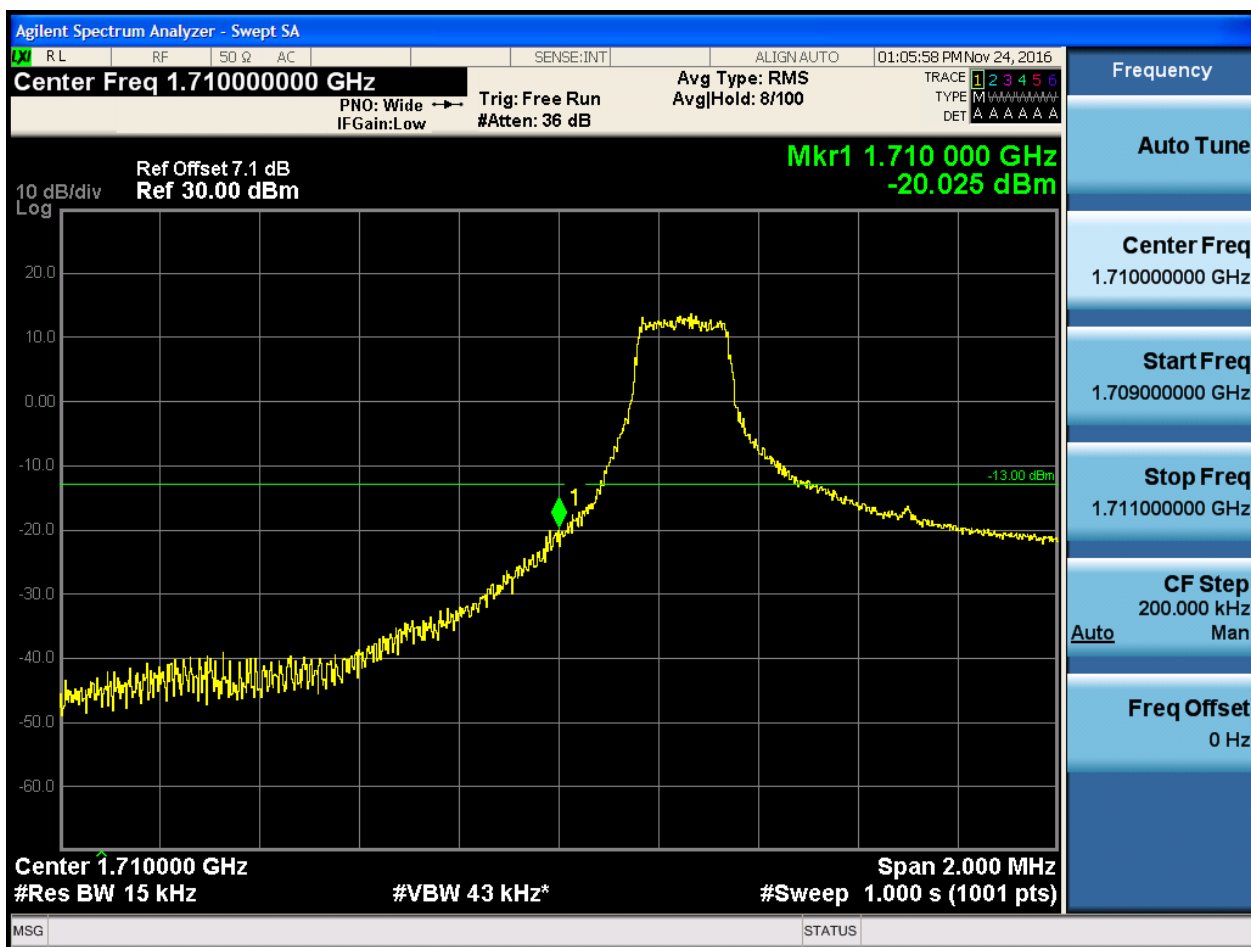


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

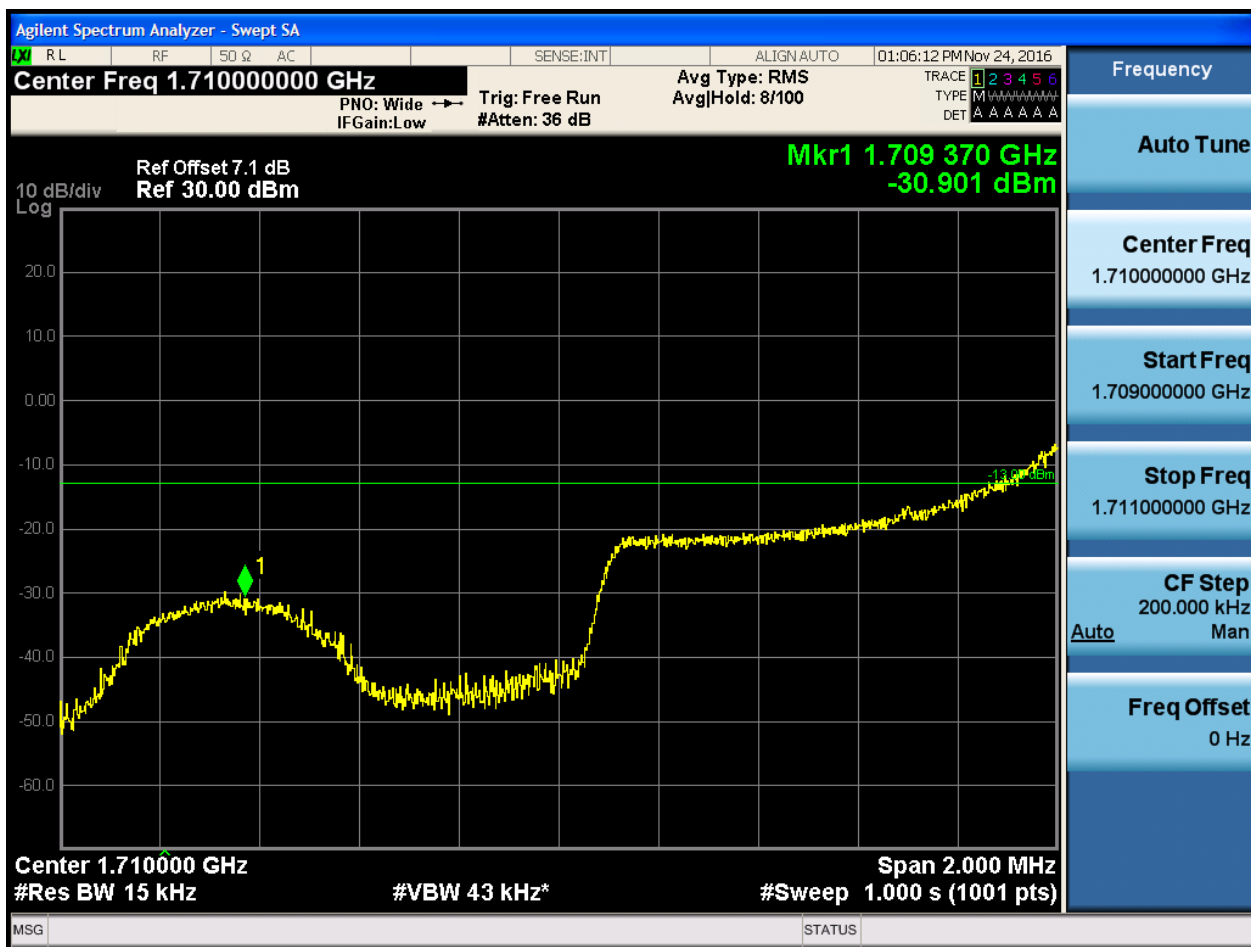
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#5





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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 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 1.709 930 GHz
-26.060 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



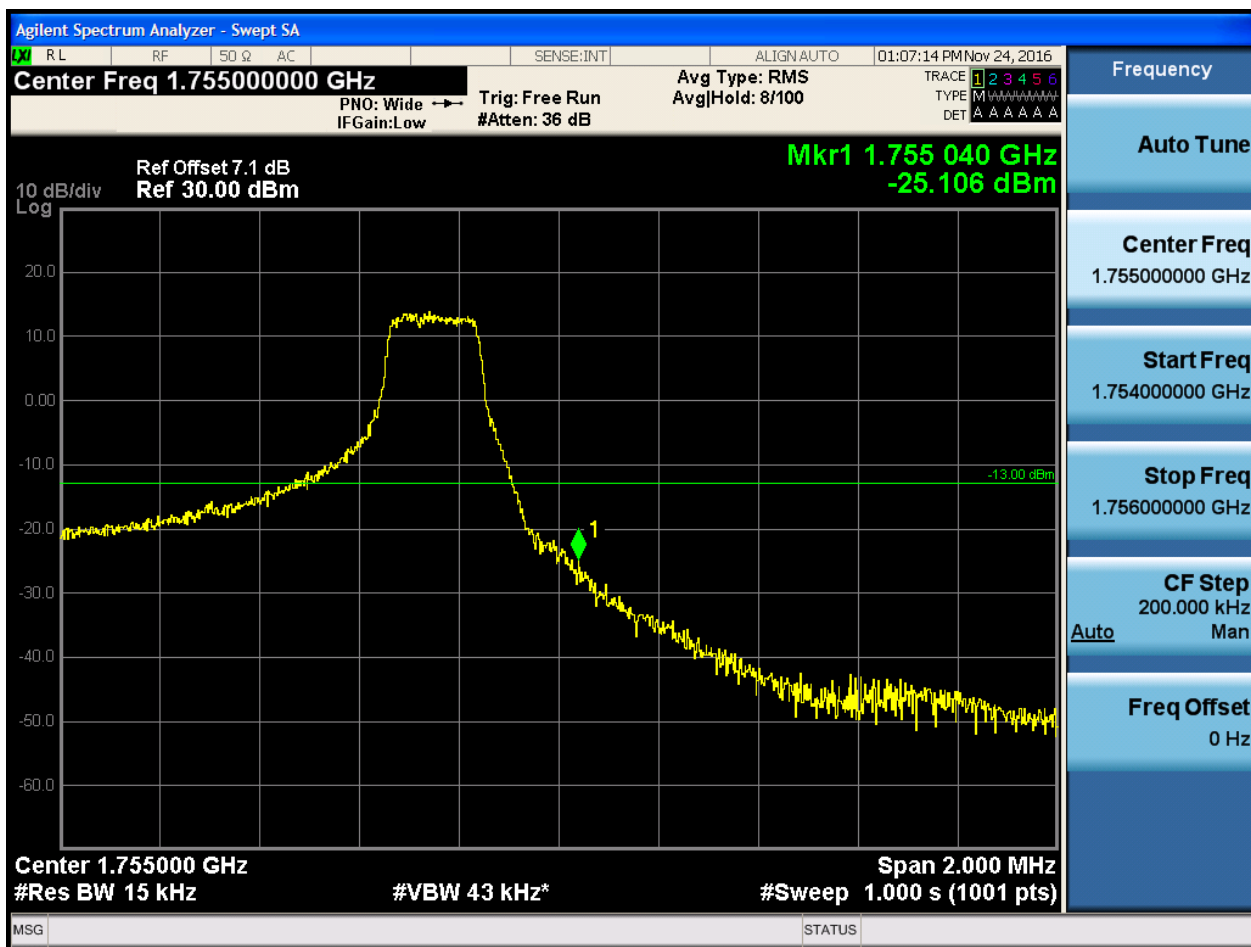
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5



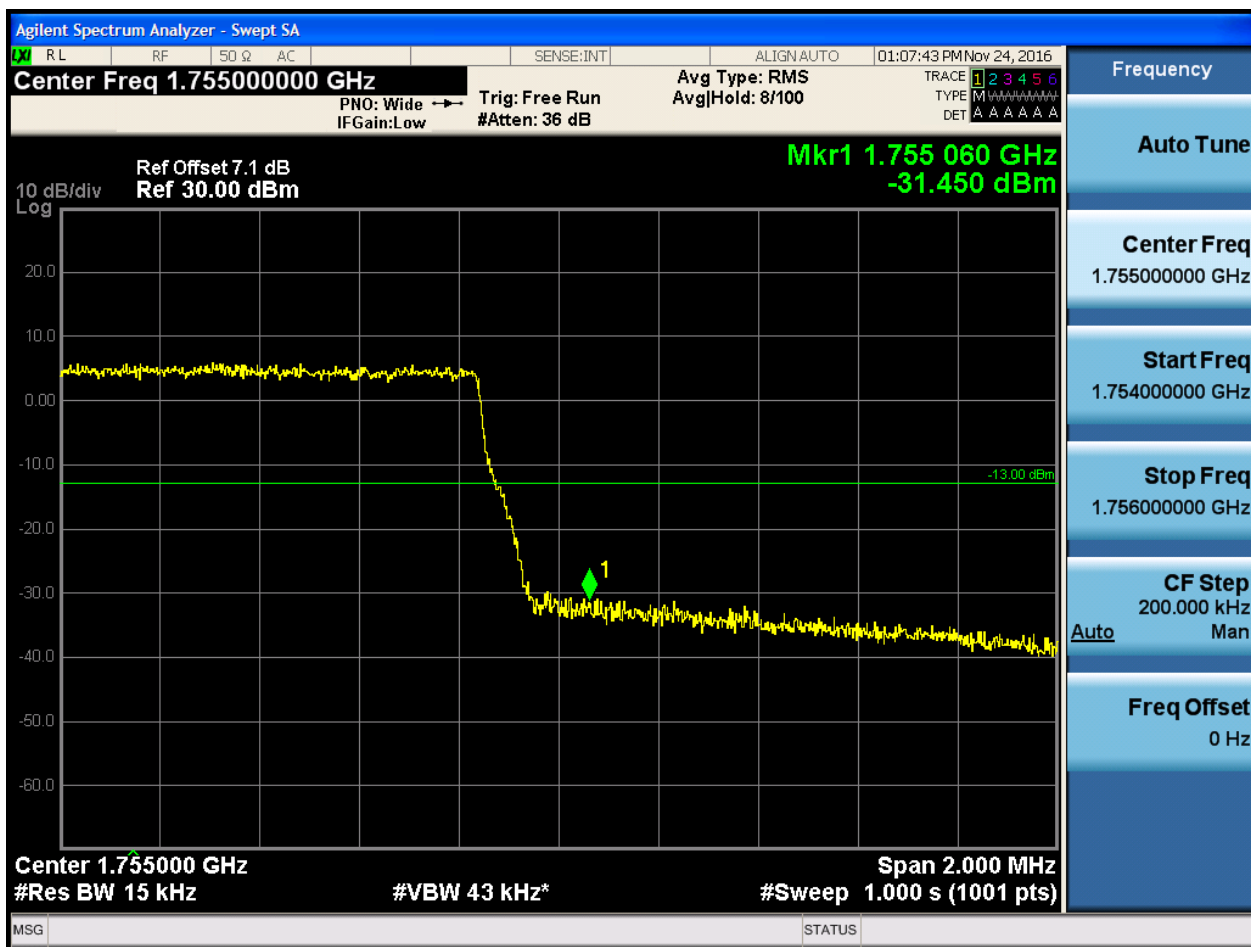


5.1.1.2.1.2.3 Test RB = RB3#2





5.1.1.2.1.2.4 Test RB = RB6#0

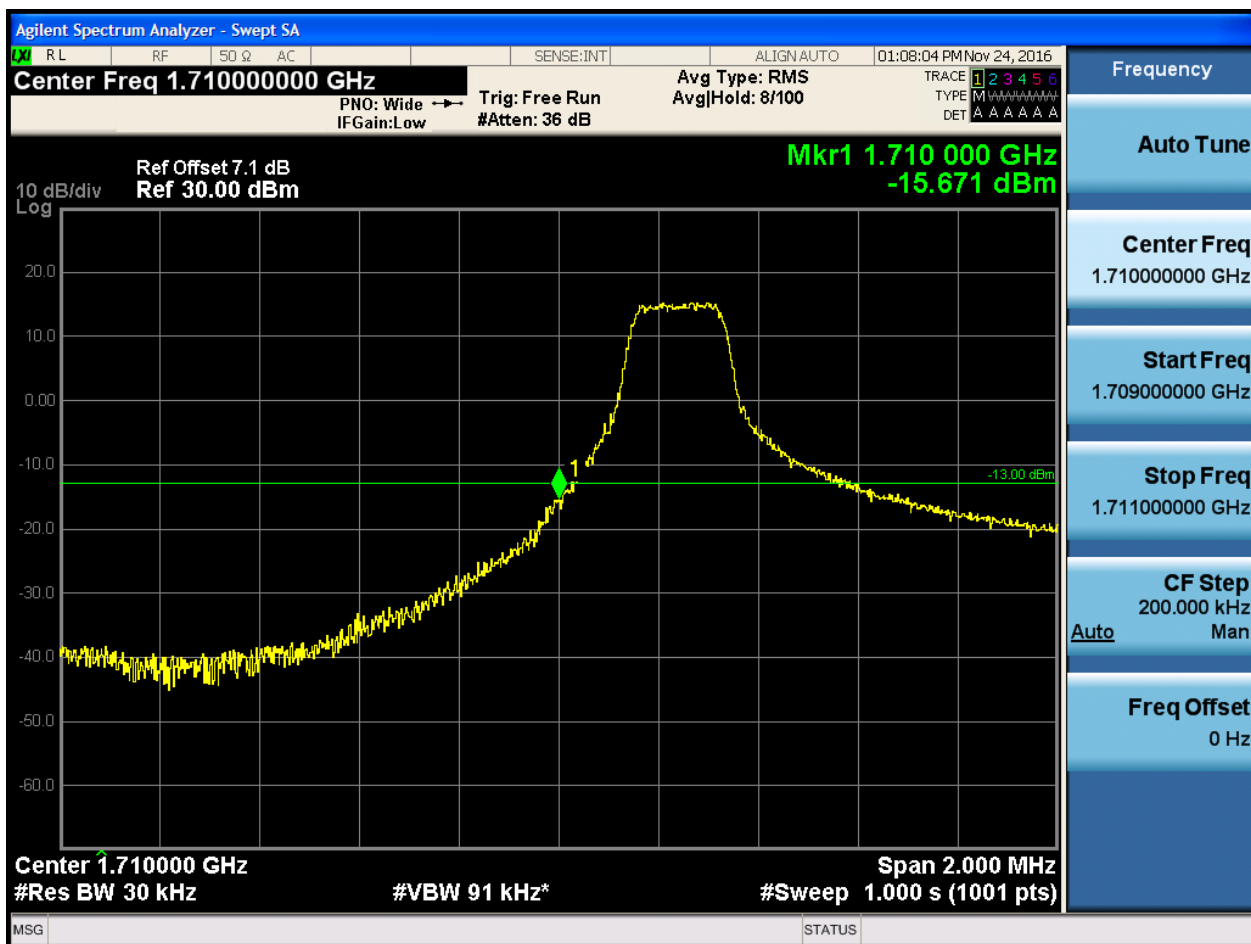




5.1.1.2.2 Test Bandwidth = 3

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

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

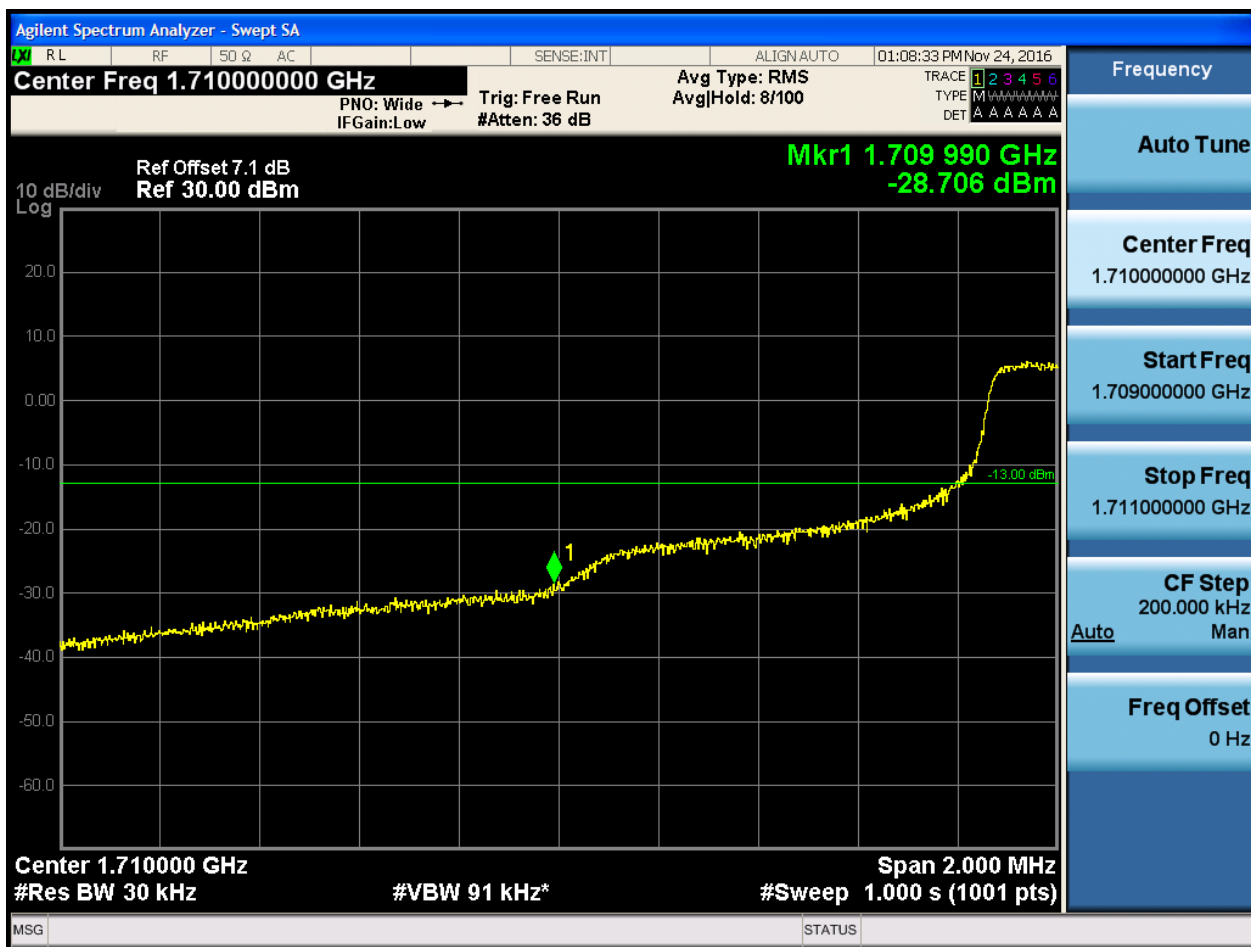
Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

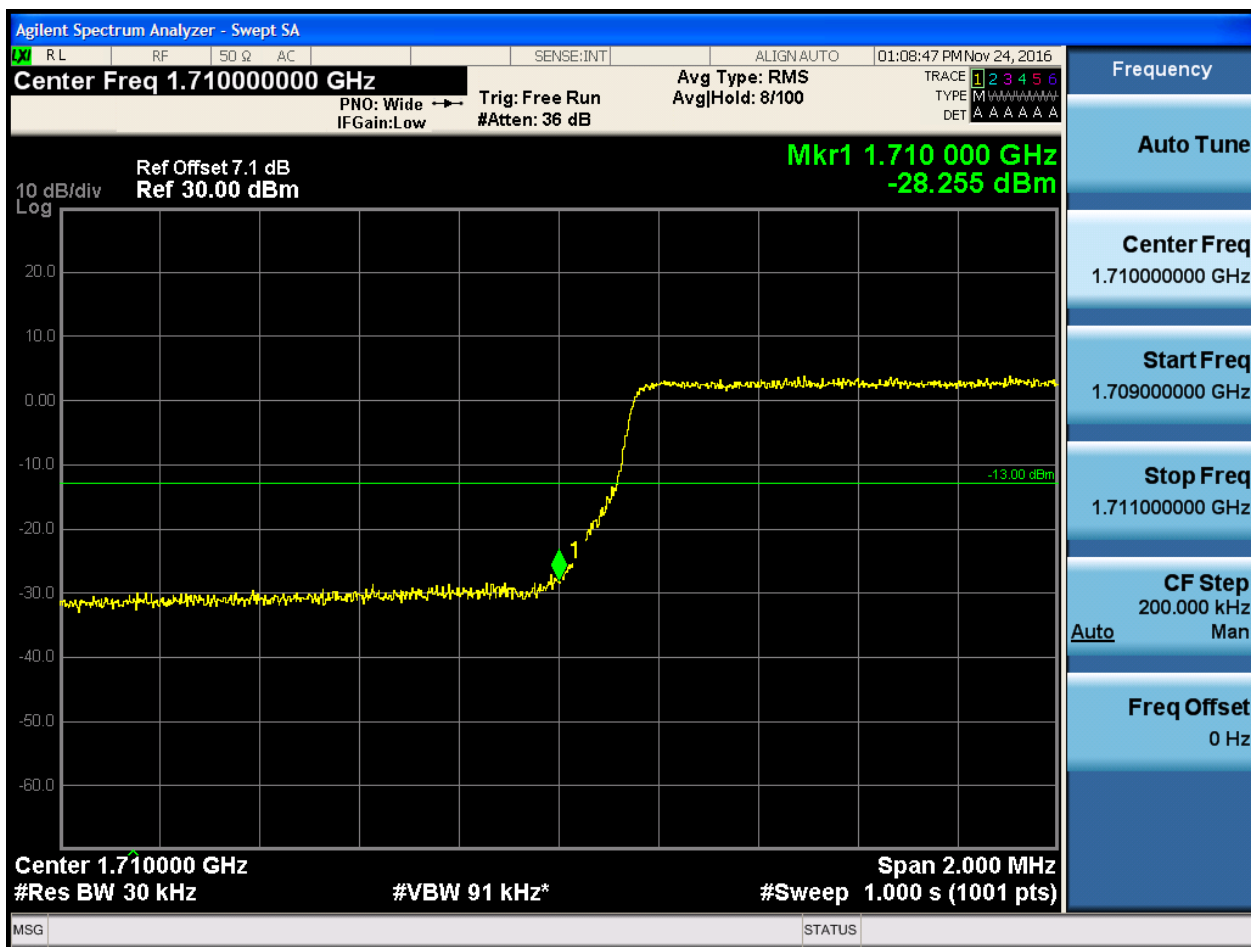


5.1.1.2.2.1.3 Test RB = RB8#4





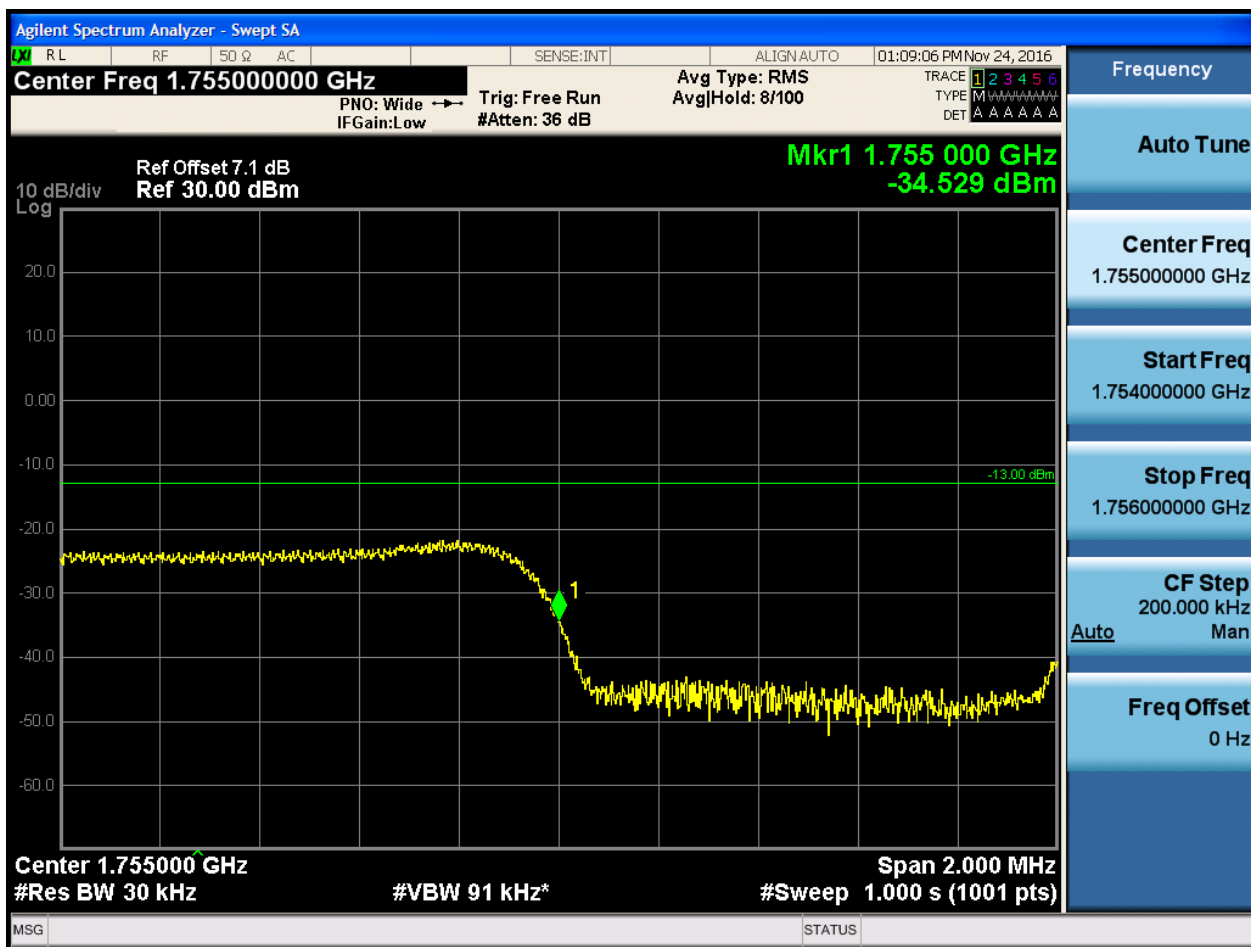
5.1.1.2.2.1.4 Test RB = RB15#0





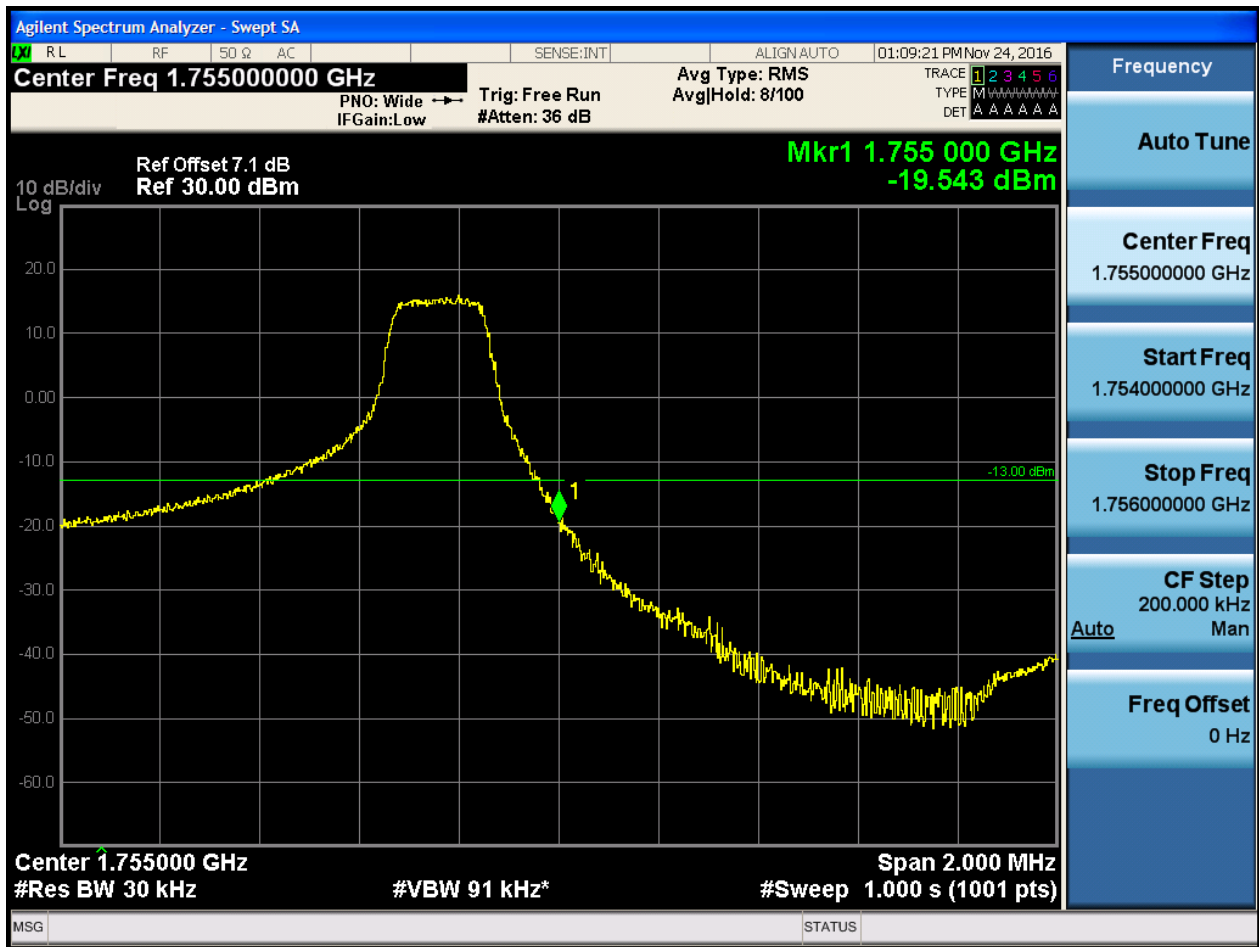
5.1.1.2.2.2 Test Channel = HCH

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)

Center Freq 1.755000000 GHz

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