



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	22.99	23.51	30	PASS
				RB1#3	23.06	23.61	30	PASS
				RB1#5	22.78	23.05	30	PASS
				RB3#0	23.12	23.54	30	PASS
				RB3#2	23.08	23.46	30	PASS
				RB3#3	22.93	23.22	30	PASS
			MCH	RB6#0	22.17	22.57	30	PASS
				RB1#0	22.75	23.29	30	PASS
				RB1#3	22.87	23.27	30	PASS
				RB1#5	22.79	23.14	30	PASS
				RB3#0	22.81	23.23	30	PASS
				RB3#2	22.78	23.05	30	PASS
				RB3#3	22.76	23.27	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB6#0	22.24	22.78	30	PASS
				RB1#0	22.6	23.14	30	PASS
				RB1#3	22.63	22.96	30	PASS
				RB1#5	22.58	22.91	30	PASS
				RB3#0	22.61	22.93	30	PASS
				RB3#2	22.62	23.16	30	PASS
				RB3#3	22.59	22.90	30	PASS
				RB6#0	21.53	21.92	30	PASS
		3	LCH	RB1#0	22.93	23.44	30	PASS
				RB1#7	22.83	23.30	30	PASS
				RB1#14	22.71	23.13	30	PASS
				RB8#0	22.01	22.28	30	PASS
				RB8#4	21.79	22.24	30	PASS
				RB8#7	21.84	22.12	30	PASS
				RB15#0	21.81	22.12	30	PASS
			MCH	RB1#0	22.63	22.95	30	PASS
				RB1#7	23.12	23.63	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.76	23.24	30	PASS
				RB8#0	21.91	22.25	30	PASS
				RB8#4	21.93	22.31	30	PASS
				RB8#7	21.83	22.15	30	PASS
				RB15#0	21.86	22.39	30	PASS
			HCH	RB1#0	22.33	22.80	30	PASS
				RB1#7	22.6	22.88	30	PASS
				RB1#14	22.47	22.76	30	PASS
				RB8#0	21.42	21.67	30	PASS
				RB8#4	21.45	21.98	30	PASS
				RB8#7	21.33	21.84	30	PASS
				RB15#0	21.36	21.77	30	PASS
		5	LCH	RB1#0	22.94	23.21	30	PASS
				RB1#13	22.88	23.38	30	PASS
				RB1#24	22.7	23.05	30	PASS
				RB12#0	21.71	22.17	30	PASS
				RB12#6	21.75	22.09	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.79	22.19	30	PASS
				RB25#0	21.8	22.05	30	PASS
			MCH	RB1#0	23.34	23.76	30	PASS
				RB1#13	23.03	23.56	30	PASS
				RB1#24	22.81	23.29	30	PASS
				RB12#0	21.98	22.47	30	PASS
				RB12#6	21.96	22.50	30	PASS
				RB12#13	21.81	22.17	30	PASS
				RB25#0	21.88	22.38	30	PASS
			HCH	RB1#0	23.22	23.63	30	PASS
				RB1#13	22.44	22.82	30	PASS
				RB1#24	22.28	22.67	30	PASS
				RB12#0	21.82	22.25	30	PASS
				RB12#6	21.43	21.79	30	PASS
				RB12#13	21.43	21.89	30	PASS
				RB25#0	21.35	21.78	30	PASS
		10	LCH	RB1#0	22.88	23.35	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.81	23.33	30	PASS
				RB1#49	22.42	22.67	30	PASS
				RB25#0	21.88	22.22	30	PASS
				RB25#13	21.7	22.10	30	PASS
				RB25#25	21.48	21.90	30	PASS
				RB50#0	21.73	22.00	30	PASS
			MCH	RB1#0	23.28	23.73	30	PASS
				RB1#25	23.06	23.47	30	PASS
				RB1#49	22.92	23.35	30	PASS
				RB25#0	22.05	22.44	30	PASS
				RB25#13	21.84	22.38	30	PASS
				RB25#25	21.59	22.03	30	PASS
				RB50#0	21.76	22.01	30	PASS
			HCH	RB1#0	22.64	23.09	30	PASS
				RB1#25	23.21	23.70	30	PASS
				RB1#49	22.17	22.48	30	PASS
				RB25#0	21.75	22.16	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.65	22.14	30	PASS
				RB25#25	21.37	21.87	30	PASS
				RB50#0	21.48	21.87	30	PASS
		15	LCH	RB1#0	22.89	23.36	30	PASS
				RB1#38	22.71	23.14	30	PASS
				RB1#74	22.93	23.48	30	PASS
				RB38#0	21.77	22.16	30	PASS
				RB38#19	21.61	22.15	30	PASS
				RB38#39	21.65	21.93	30	PASS
				RB75#0	21.78	22.16	30	PASS
			MCH	RB1#0	23.35	23.73	30	PASS
				RB1#38	23.06	23.46	30	PASS
				RB1#74	22.75	23.03	30	PASS
				RB38#0	22.08	22.54	30	PASS
				RB38#19	21.94	22.38	30	PASS
				RB38#39	21.87	22.18	30	PASS
				RB75#0	21.91	22.26	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.22	23.76	30	PASS
				RB1#38	23.02	23.42	30	PASS
				RB1#74	22.26	22.61	30	PASS
				RB38#0	22.15	22.41	30	PASS
				RB38#19	21.96	22.38	30	PASS
				RB38#39	21.41	21.82	30	PASS
				RB75#0	21.61	22.00	30	PASS
		20	LCH	RB1#0	22.61	22.96	30	PASS
				RB1#50	22.93	23.31	30	PASS
				RB1#99	23.44	23.72	30	PASS
				RB50#0	21.87	22.34	30	PASS
				RB50#25	21.72	21.97	30	PASS
				RB50#50	21.96	22.37	30	PASS
				RB100#0	21.87	22.22	30	PASS
			MCH	RB1#0	23	23.28	30	PASS
				RB1#50	23.09	23.57	30	PASS
				RB1#99	23.19	23.44	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	22.03	22.51	30	PASS
				RB50#25	21.88	22.14	30	PASS
				RB50#50	21.96	22.25	30	PASS
				RB100#0	21.99	22.45	30	PASS
			HCH	RB1#0	22.54	22.88	30	PASS
				RB1#50	22.9	23.38	30	PASS
				RB1#99	22.66	23.16	30	PASS
				RB50#0	22.27	22.55	30	PASS
				RB50#25	21.93	22.26	30	PASS
				RB50#50	21.69	22.02	30	PASS
				RB100#0	21.98	22.29	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.22	22.76	30	PASS
				RB1#3	22.25	22.76	30	PASS
				RB1#5	21.93	22.23	30	PASS
				RB3#0	22.18	22.61	30	PASS
				RB3#2	22.01	22.53	30	PASS
				RB3#3	22.11	22.49	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.01	21.36	30	PASS
				RB1#0	22.24	22.58	30	PASS
			MCH	RB1#3	22.06	22.57	30	PASS
				RB1#5	22.17	22.70	30	PASS
				RB3#0	22.08	22.44	30	PASS
				RB3#2	21.94	22.21	30	PASS
				RB3#3	22.14	22.41	30	PASS
				RB6#0	20.91	21.38	30	PASS
			HCH	RB1#0	21.92	22.23	30	PASS
				RB1#3	21.66	22.17	30	PASS
				RB1#5	21.6	22.03	30	PASS
				RB3#0	21.4	21.82	30	PASS
				RB3#2	21.59	22.04	30	PASS
				RB3#3	21.57	21.98	30	PASS
				RB6#0	20.67	21.08	30	PASS
		3	LCH	RB1#0	21.78	22.28	30	PASS
				RB1#7	21.85	22.21	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.51	21.93	30	PASS
				RB8#0	20.98	21.41	30	PASS
				RB8#4	20.9	21.21	30	PASS
				RB8#7	20.89	21.42	30	PASS
				RB15#0	20.82	21.33	30	PASS
			MCH	RB1#0	21.83	22.30	30	PASS
				RB1#7	22.14	22.53	30	PASS
				RB1#14	21.8	22.30	30	PASS
				RB8#0	20.93	21.36	30	PASS
				RB8#4	20.97	21.47	30	PASS
				RB8#7	20.87	21.42	30	PASS
				RB15#0	20.83	21.11	30	PASS
			HCH	RB1#0	21.35	21.69	30	PASS
				RB1#7	21.73	22.15	30	PASS
				RB1#14	21.47	21.76	30	PASS
				RB8#0	20.62	21.08	30	PASS
				RB8#4	20.62	20.90	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	20.51	21.06	30	PASS
				RB15#0	20.43	20.83	30	PASS
		5	LCH	RB1#0	22.06	22.51	30	PASS
				RB1#13	21.7	21.98	30	PASS
				RB1#24	21.51	21.98	30	PASS
				RB12#0	20.85	21.15	30	PASS
				RB12#6	20.82	21.09	30	PASS
				RB12#13	20.91	21.44	30	PASS
				RB25#0	20.91	21.30	30	PASS
			MCH	RB1#0	22.24	22.73	30	PASS
				RB1#13	22.01	22.28	30	PASS
				RB1#24	21.98	22.23	30	PASS
				RB12#0	20.92	21.28	30	PASS
				RB12#6	20.92	21.24	30	PASS
				RB12#13	20.77	21.10	30	PASS
				RB25#0	20.82	21.20	30	PASS
			HCH	RB1#0	22.31	22.63	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	21.64	22.07	30	PASS
				RB1#24	21.62	22.04	30	PASS
				RB12#0	20.79	21.12	30	PASS
				RB12#6	20.51	20.97	30	PASS
				RB12#13	20.53	20.82	30	PASS
				RB25#0	20.38	20.77	30	PASS
		10	LCH	RB1#0	22.21	22.51	30	PASS
				RB1#25	21.89	22.27	30	PASS
				RB1#49	21.47	21.86	30	PASS
				RB25#0	20.91	21.43	30	PASS
				RB25#13	20.72	21.27	30	PASS
				RB25#25	20.46	20.99	30	PASS
				RB50#0	20.75	21.28	30	PASS
			MCH	RB1#0	22.09	22.52	30	PASS
				RB1#25	22.1	22.53	30	PASS
				RB1#49	21.68	21.94	30	PASS
				RB25#0	20.91	21.24	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.76	21.26	30	PASS
				RB25#25	20.53	21.06	30	PASS
				RB50#0	20.69	21.18	30	PASS
			HCH	RB1#0	21.77	22.28	30	PASS
				RB1#25	22.09	22.58	30	PASS
				RB1#49	21.26	21.73	30	PASS
				RB25#0	20.71	21.06	30	PASS
				RB25#13	20.6	21.01	30	PASS
				RB25#25	20.4	20.87	30	PASS
				RB50#0	20.49	20.76	30	PASS
		15	LCH	RB1#0	22.06	22.32	30	PASS
				RB1#38	21.69	22.01	30	PASS
				RB1#74	22.21	22.64	30	PASS
				RB38#0	20.87	21.32	30	PASS
				RB38#19	20.63	21.09	30	PASS
				RB38#39	20.68	21.17	30	PASS
				RB75#0	20.86	21.21	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.43	22.79	30	PASS
				RB1#38	22.16	22.71	30	PASS
				RB1#74	21.84	22.19	30	PASS
				RB38#0	21.12	21.64	30	PASS
				RB38#19	20.88	21.14	30	PASS
				RB38#39	20.82	21.10	30	PASS
				RB75#0	20.75	21.19	30	PASS
			HCH	RB1#0	22.35	22.70	30	PASS
				RB1#38	22.28	22.59	30	PASS
				RB1#74	21.51	21.99	30	PASS
				RB38#0	21	21.30	30	PASS
				RB38#19	20.82	21.33	30	PASS
				RB38#39	20.46	20.97	30	PASS
				RB75#0	20.66	21.16	30	PASS
		20	LCH	RB1#0	21.93	22.27	30	PASS
				RB1#50	22.18	22.59	30	PASS
				RB1#99	22.55	22.98	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.96	21.21	30	PASS
				RB50#25	20.74	21.11	30	PASS
				RB50#50	20.91	21.38	30	PASS
				RB100#0	20.85	21.34	30	PASS
			MCH	RB1#0	22.29	22.75	30	PASS
				RB1#50	22.41	22.76	30	PASS
				RB1#99	22.52	22.87	30	PASS
				RB50#0	21.05	21.44	30	PASS
				RB50#25	20.84	21.14	30	PASS
				RB50#50	20.99	21.47	30	PASS
				RB100#0	21.01	21.49	30	PASS
			HCH	RB1#0	21.84	22.37	30	PASS
				RB1#50	21.89	22.41	30	PASS
				RB1#99	21.85	22.15	30	PASS
				RB50#0	21.22	21.49	30	PASS
				RB50#25	20.88	21.16	30	PASS
				RB50#50	20.63	21.06	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	20.8	21.26	30	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2:

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

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

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

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

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	4.56	13	PASS
				RB1#3	4.56	13	PASS
				RB1#5	4.92	13	PASS
				RB3#0	4.95	13	PASS
				RB3#2	5.27	13	PASS
				RB3#3	5.42	13	PASS
				RB6#0	6.06	13	PASS
			MCH	RB1#0	4.84	13	PASS
				RB1#3	4.93	13	PASS
				RB1#5	5.12	13	PASS
				RB3#0	5.83	13	PASS
				RB3#2	5.69	13	PASS
				RB3#3	5.65	13	PASS
				RB6#0	6.29	13	PASS
			HCH	RB1#0	4.85	13	PASS
				RB1#3	4.88	13	PASS
				RB1#5	5.34	13	PASS
				RB3#0	5.79	13	PASS
				RB3#2	6	13	PASS
				RB3#3	6.03	13	PASS
				RB6#0	6.01	13	PASS
		3	LCH	RB1#0	5	13	PASS
				RB1#7	5.31	13	PASS
				RB1#14	5.49	13	PASS
				RB8#0	5.93	13	PASS
				RB8#4	5.84	13	PASS
				RB8#7	6.02	13	PASS
				RB15#0	5.92	13	PASS
			MCH	RB1#0	5.29	13	PASS
				RB1#7	4.8	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	4.87	13	PASS
				RB8#0	6.06	13	PASS
				RB8#4	5.92	13	PASS
				RB8#7	5.91	13	PASS
				RB15#0	6.09	13	PASS
			HCH	RB1#0	5.04	13	PASS
				RB1#7	4.95	13	PASS
				RB1#14	5.1	13	PASS
				RB8#0	6.12	13	PASS
				RB8#4	6.24	13	PASS
				RB8#7	6.3	13	PASS
				RB15#0	6.02	13	PASS
		5	LCH	RB1#0	4.65	13	PASS
				RB1#13	4.83	13	PASS
				RB1#24	5.05	13	PASS
				RB12#0	5.87	13	PASS
				RB12#6	5.98	13	PASS
				RB12#13	5.99	13	PASS
				RB25#0	6.35	13	PASS
			MCH	RB1#0	5.03	13	PASS
				RB1#13	5.1	13	PASS
				RB1#24	5.12	13	PASS
				RB12#0	5.91	13	PASS
				RB12#6	5.86	13	PASS
				RB12#13	6.01	13	PASS
				RB25#0	6.15	13	PASS
			HCH	RB1#0	5.28	13	PASS
				RB1#13	5.19	13	PASS
				RB1#24	5.3	13	PASS
				RB12#0	6.32	13	PASS
				RB12#6	6.28	13	PASS
				RB12#13	6.32	13	PASS
				RB25#0	6.28	13	PASS
		10	LCH	RB1#0	4.79	13	PASS
				RB1#25	4.98	13	PASS
				RB1#49	5.02	13	PASS
				RB25#0	6.29	13	PASS
				RB25#13	6.23	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	6.23	13	PASS
				RB50#0	6.36	13	PASS
			MCH	RB1#0	4.69	13	PASS
				RB1#25	4.82	13	PASS
				RB1#49	4.87	13	PASS
				RB25#0	6.38	13	PASS
				RB25#13	6.4	13	PASS
				RB25#25	6.54	13	PASS
				RB50#0	6.28	13	PASS
			HCH	RB1#0	5.05	13	PASS
				RB1#25	5	13	PASS
				RB1#49	5.43	13	PASS
				RB25#0	6.39	13	PASS
				RB25#13	6.46	13	PASS
				RB25#25	6.57	13	PASS
				RB50#0	6.48	13	PASS
		15	LCH	RB1#0	4.84	13	PASS
				RB1#38	4.95	13	PASS
				RB1#74	4.98	13	PASS
				RB38#0	6.41	13	PASS
				RB38#19	6.44	13	PASS
				RB38#39	6.37	13	PASS
				RB75#0	6.77	13	PASS
			MCH	RB1#0	5.32	13	PASS
				RB1#38	5.46	13	PASS
				RB1#74	5.52	13	PASS
				RB38#0	6.37	13	PASS
				RB38#19	6.32	13	PASS
				RB38#39	6.53	13	PASS
				RB75#0	6.69	13	PASS
			HCH	RB1#0	5.07	13	PASS
				RB1#38	5.01	13	PASS
				RB1#74	5.33	13	PASS
				RB38#0	6.27	13	PASS
				RB38#19	6.54	13	PASS
				RB38#39	6.46	13	PASS
				RB75#0	6.75	13	PASS
		20	LCH	RB1#0	5.35	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	5.17	13	PASS
				RB1#99	5.18	13	PASS
				RB50#0	6.27	13	PASS
				RB50#25	6.4	13	PASS
				RB50#50	6.41	13	PASS
				RB100#0	6.52	13	PASS
			MCH	RB1#0	5.36	13	PASS
				RB1#50	5.64	13	PASS
				RB1#99	5.23	13	PASS
				RB50#0	6.23	13	PASS
				RB50#25	6.29	13	PASS
				RB50#50	6.24	13	PASS
				RB100#0	6.49	13	PASS
			HCH	RB1#0	5.43	13	PASS
				RB1#50	5.57	13	PASS
				RB1#99	5.44	13	PASS
				RB50#0	6.32	13	PASS
				RB50#25	6.42	13	PASS
				RB50#50	6.64	13	PASS
				RB100#0	6.54	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.37	13	PASS
				RB1#3	5.53	13	PASS
				RB1#5	5.72	13	PASS
				RB3#0	5.52	13	PASS
				RB3#2	5.62	13	PASS
				RB3#3	6.01	13	PASS
				RB6#0	6.84	13	PASS
			MCH	RB1#0	6.04	13	PASS
				RB1#3	6	13	PASS
				RB1#5	6.07	13	PASS
				RB3#0	6.51	13	PASS
				RB3#2	6.61	13	PASS
				RB3#3	6.55	13	PASS
				RB6#0	6.85	13	PASS
			HCH	RB1#0	5.8	13	PASS
				RB1#3	5.89	13	PASS
				RB1#5	5.85	13	PASS
				RB3#0	6.76	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3		RB3#2	6.46	13	PASS
				RB3#3	6.36	13	PASS
				RB6#0	6.88	13	PASS
			LCH	RB1#0	5.45	13	PASS
				RB1#7	6	13	PASS
				RB1#14	6.21	13	PASS
				RB8#0	6.6	13	PASS
				RB8#4	6.95	13	PASS
				RB8#7	6.9	13	PASS
				RB15#0	6.86	13	PASS
			MCH	RB1#0	5.95	13	PASS
				RB1#7	6.17	13	PASS
				RB1#14	6.02	13	PASS
				RB8#0	6.98	13	PASS
				RB8#4	6.95	13	PASS
				RB8#7	6.98	13	PASS
				RB15#0	6.93	13	PASS
			HCH	RB1#0	6.13	13	PASS
				RB1#7	6.12	13	PASS
				RB1#14	6.19	13	PASS
				RB8#0	6.72	13	PASS
				RB8#4	6.72	13	PASS
				RB8#7	6.73	13	PASS
				RB15#0	6.76	13	PASS
		5	LCH	RB1#0	5.29	13	PASS
				RB1#13	5.75	13	PASS
				RB1#24	6.22	13	PASS
				RB12#0	6.89	13	PASS
				RB12#6	6.84	13	PASS
				RB12#13	6.74	13	PASS
				RB25#0	7.19	13	PASS
			MCH	RB1#0	5.82	13	PASS
				RB1#13	5.74	13	PASS
				RB1#24	6.25	13	PASS
				RB12#0	6.97	13	PASS
				RB12#6	6.86	13	PASS
				RB12#13	7.06	13	PASS
				RB25#0	7.09	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	6.13	13	PASS
				RB1#13	5.96	13	PASS
				RB1#24	6.08	13	PASS
				RB12#0	7.34	13	PASS
				RB12#6	7.4	13	PASS
				RB12#13	7.44	13	PASS
				RB25#0	7.47	13	PASS
		10	LCH	RB1#0	5.42	13	PASS
				RB1#25	6.11	13	PASS
				RB1#49	6.25	13	PASS
				RB25#0	7.04	13	PASS
				RB25#13	6.98	13	PASS
				RB25#25	7.13	13	PASS
				RB50#0	7.18	13	PASS
			MCH	RB1#0	6.21	13	PASS
				RB1#25	6.26	13	PASS
				RB1#49	6.39	13	PASS
				RB25#0	7.14	13	PASS
				RB25#13	7.11	13	PASS
				RB25#25	7.26	13	PASS
				RB50#0	7.07	13	PASS
			HCH	RB1#0	5.84	13	PASS
				RB1#25	5.84	13	PASS
				RB1#49	6.14	13	PASS
				RB25#0	7.04	13	PASS
				RB25#13	7.05	13	PASS
				RB25#25	7.22	13	PASS
				RB50#0	7.58	13	PASS
		15	LCH	RB1#0	5.48	13	PASS
				RB1#38	6.03	13	PASS
				RB1#74	6.15	13	PASS
				RB38#0	7.37	13	PASS
				RB38#19	7.35	13	PASS
				RB38#39	7.28	13	PASS
				RB75#0	7.28	13	PASS
			MCH	RB1#0	5.7	13	PASS
				RB1#38	5.77	13	PASS
				RB1#74	5.81	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#0	7.08	13	PASS
				RB38#19	7.34	13	PASS
				RB38#39	7.24	13	PASS
				RB75#0	7.33	13	PASS
			HCH	RB1#0	6.07	13	PASS
				RB1#38	6.14	13	PASS
				RB1#74	6.37	13	PASS
				RB38#0	7.36	13	PASS
				RB38#19	7.33	13	PASS
				RB38#39	7.56	13	PASS
				RB75#0	7.66	13	PASS
		20	LCH	RB1#0	5.8	13	PASS
				RB1#50	5.68	13	PASS
				RB1#99	5.72	13	PASS
				RB50#0	7	13	PASS
				RB50#25	6.98	13	PASS
				RB50#50	6.62	13	PASS
				RB100#0	7.39	13	PASS
			MCH	RB1#0	5.85	13	PASS
				RB1#50	5.87	13	PASS
				RB1#99	5.79	13	PASS
				RB50#0	7.16	13	PASS
				RB50#25	7.21	13	PASS
				RB50#50	7.15	13	PASS
				RB100#0	7.29	13	PASS
			HCH	RB1#0	5.74	13	PASS
				RB1#50	5.96	13	PASS
				RB1#99	5.84	13	PASS
				RB50#0	7.07	13	PASS
				RB50#25	7.19	13	PASS
				RB50#50	7.36	13	PASS
				RB100#0	7.3	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

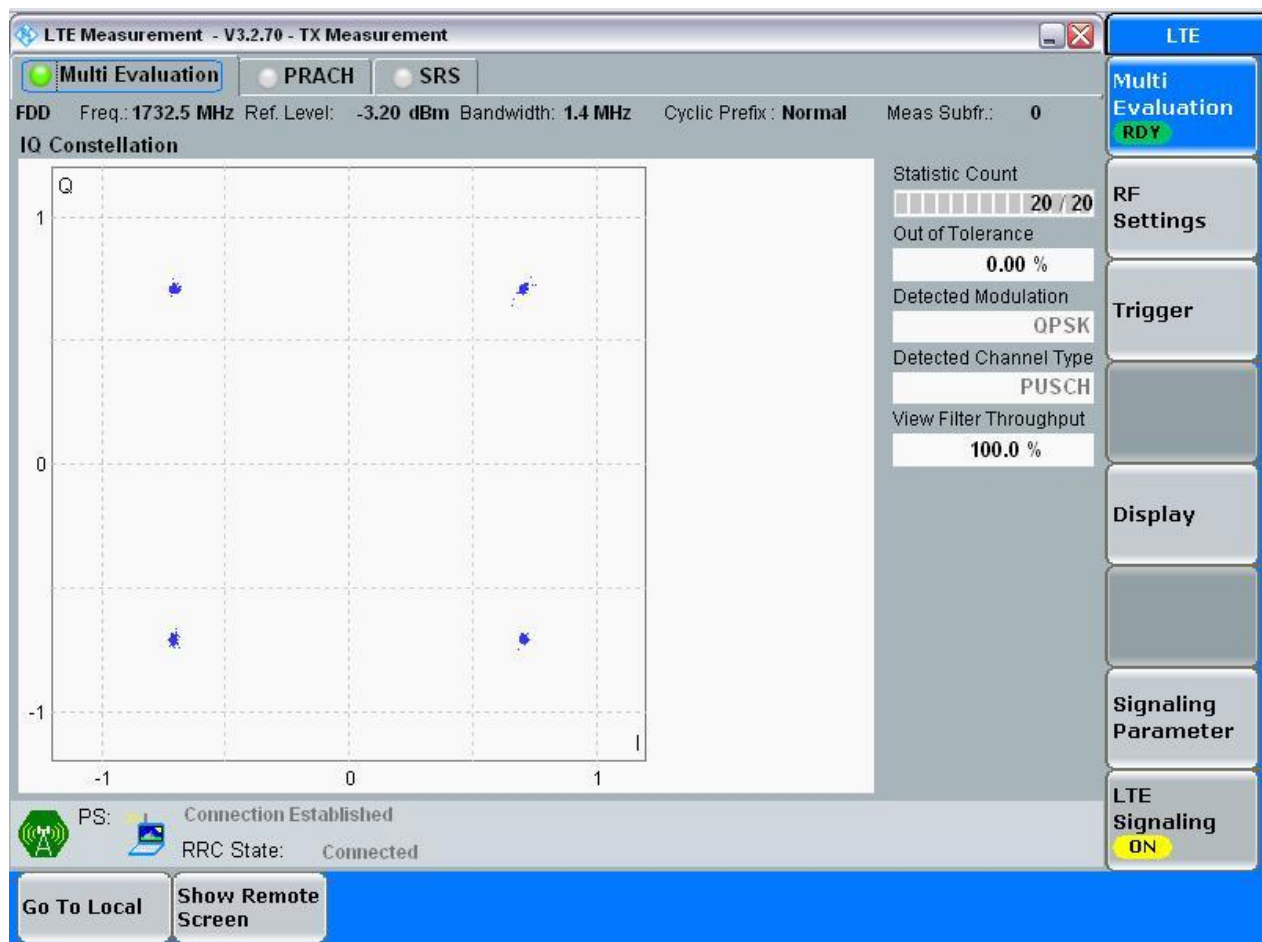
3.1.1 Test Band = BAND4

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

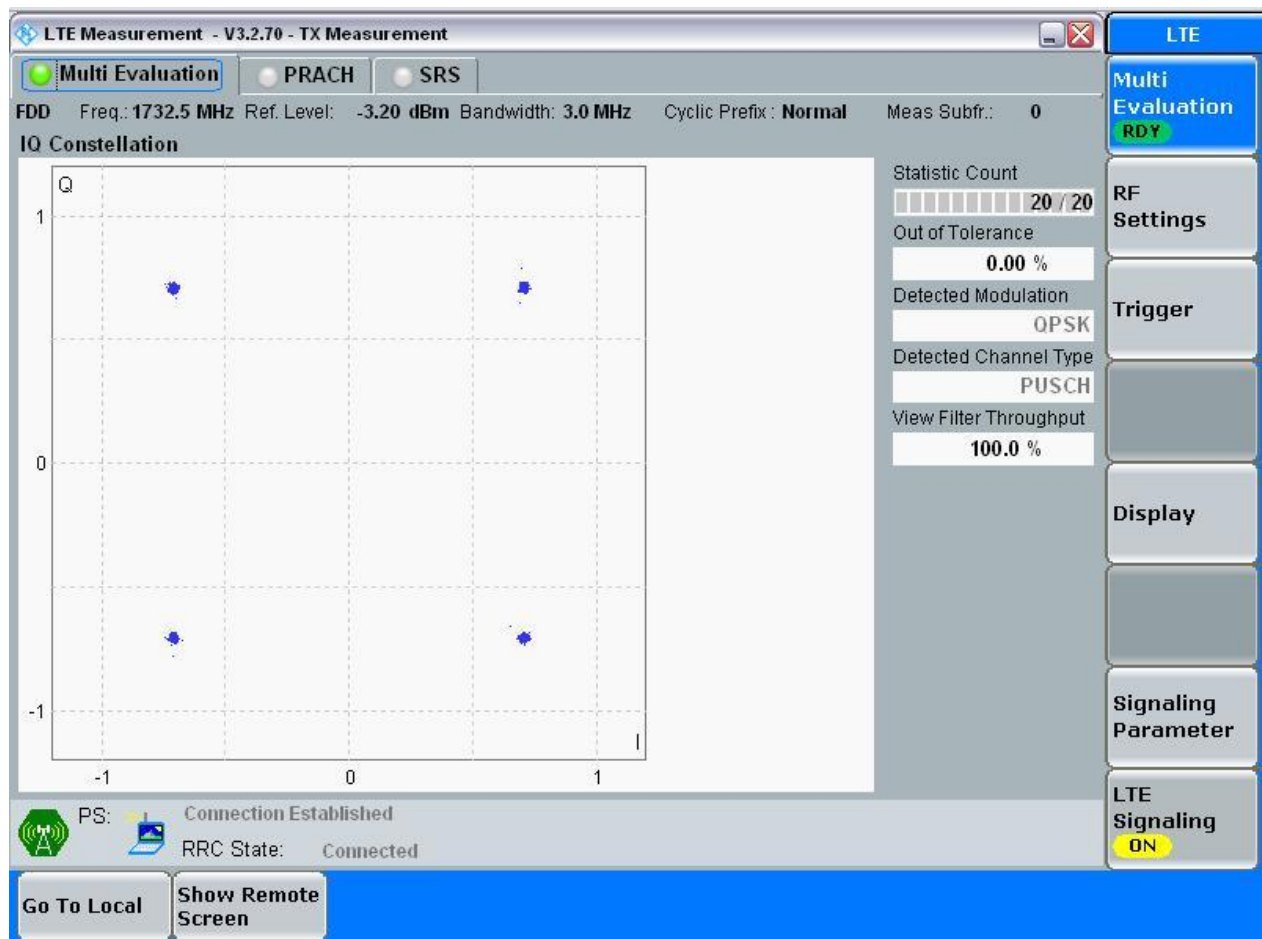
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

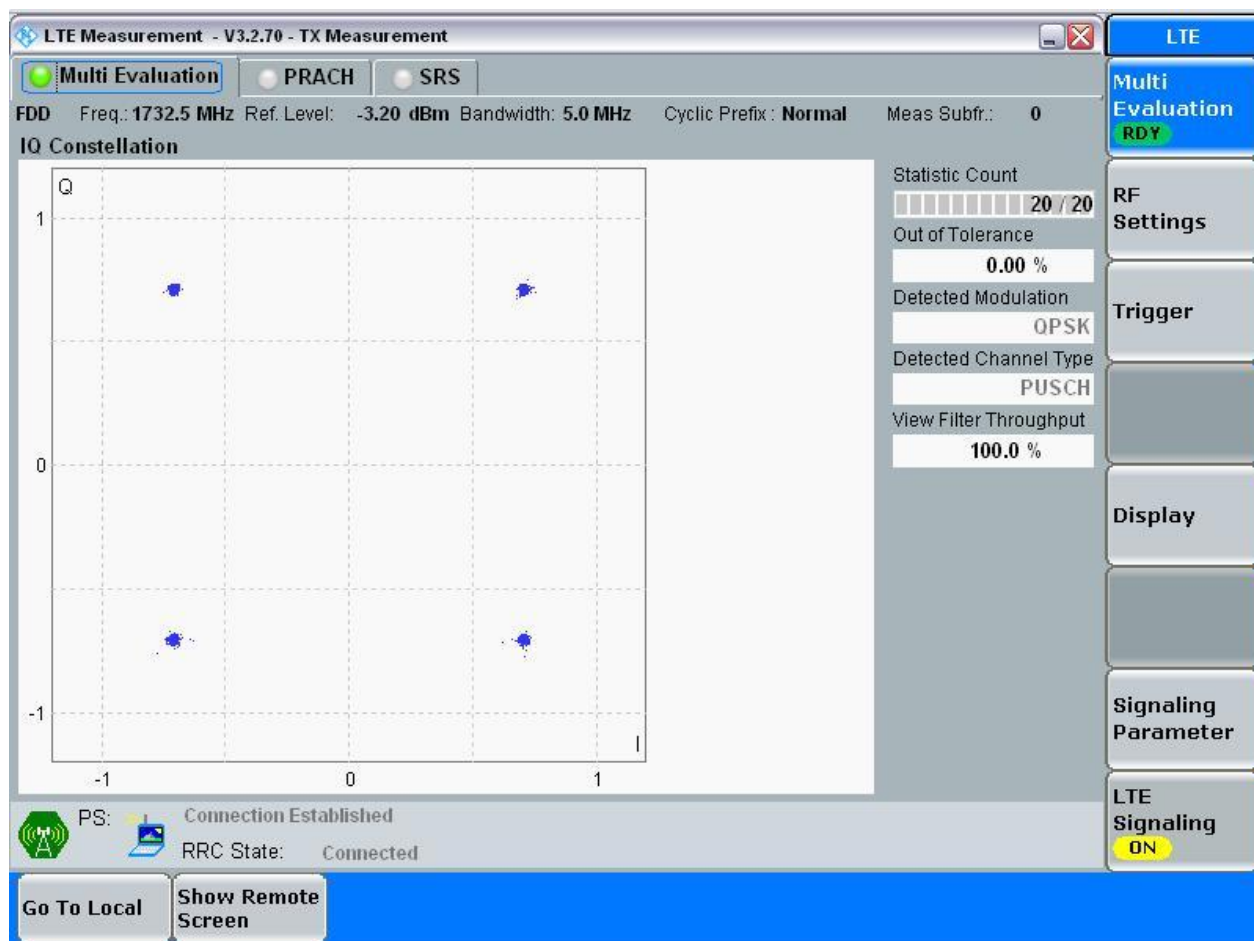
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

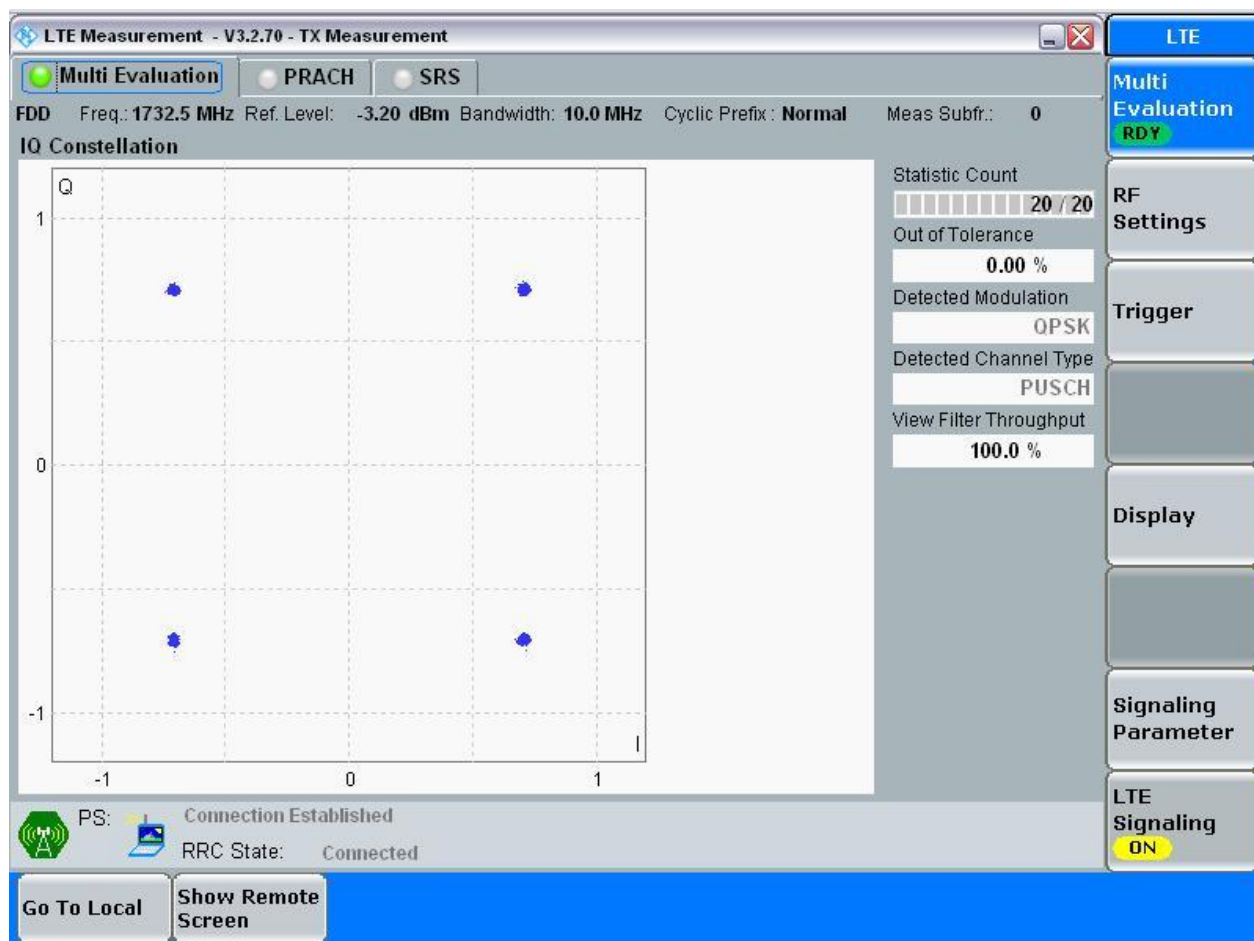
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

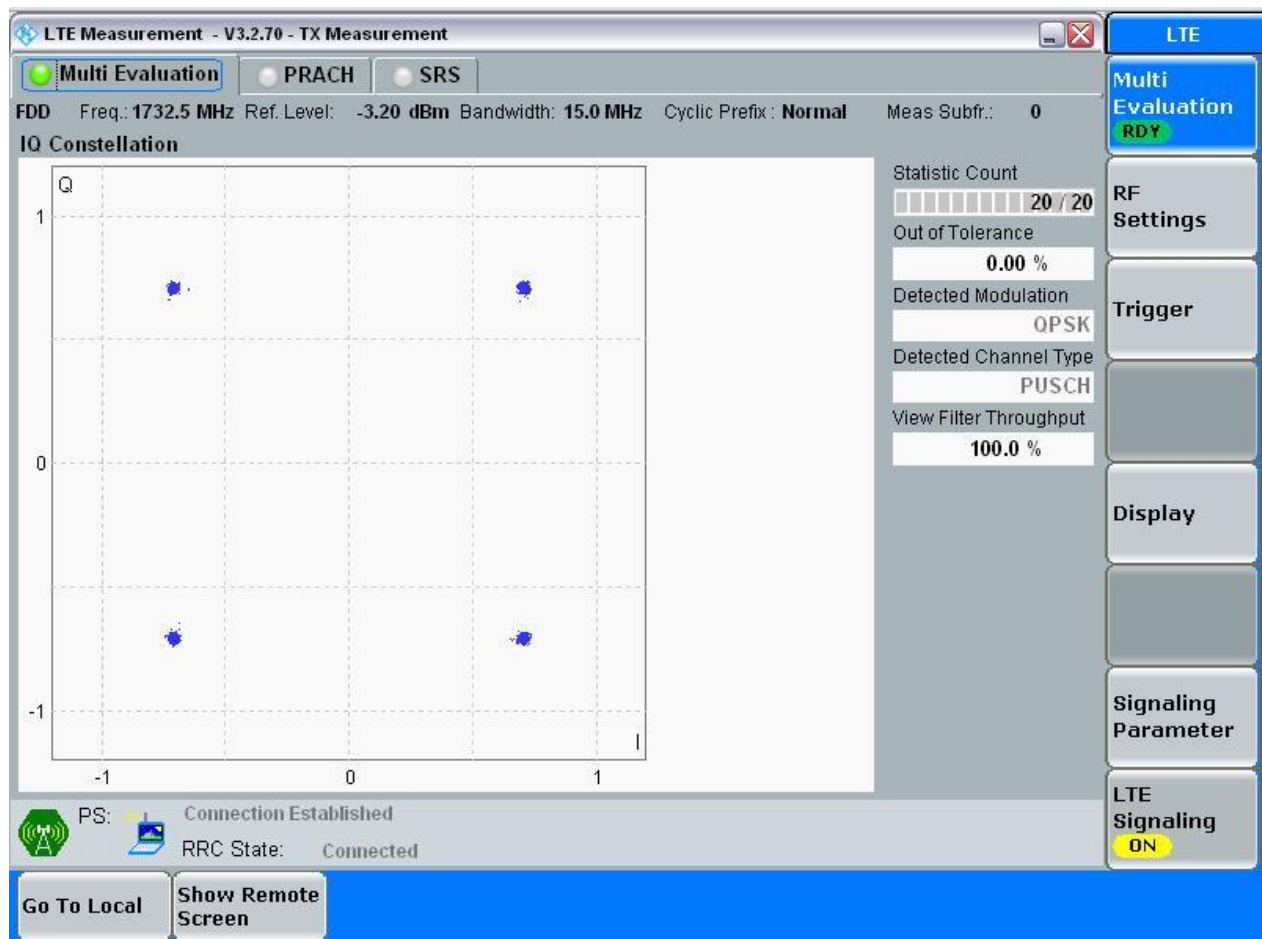
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

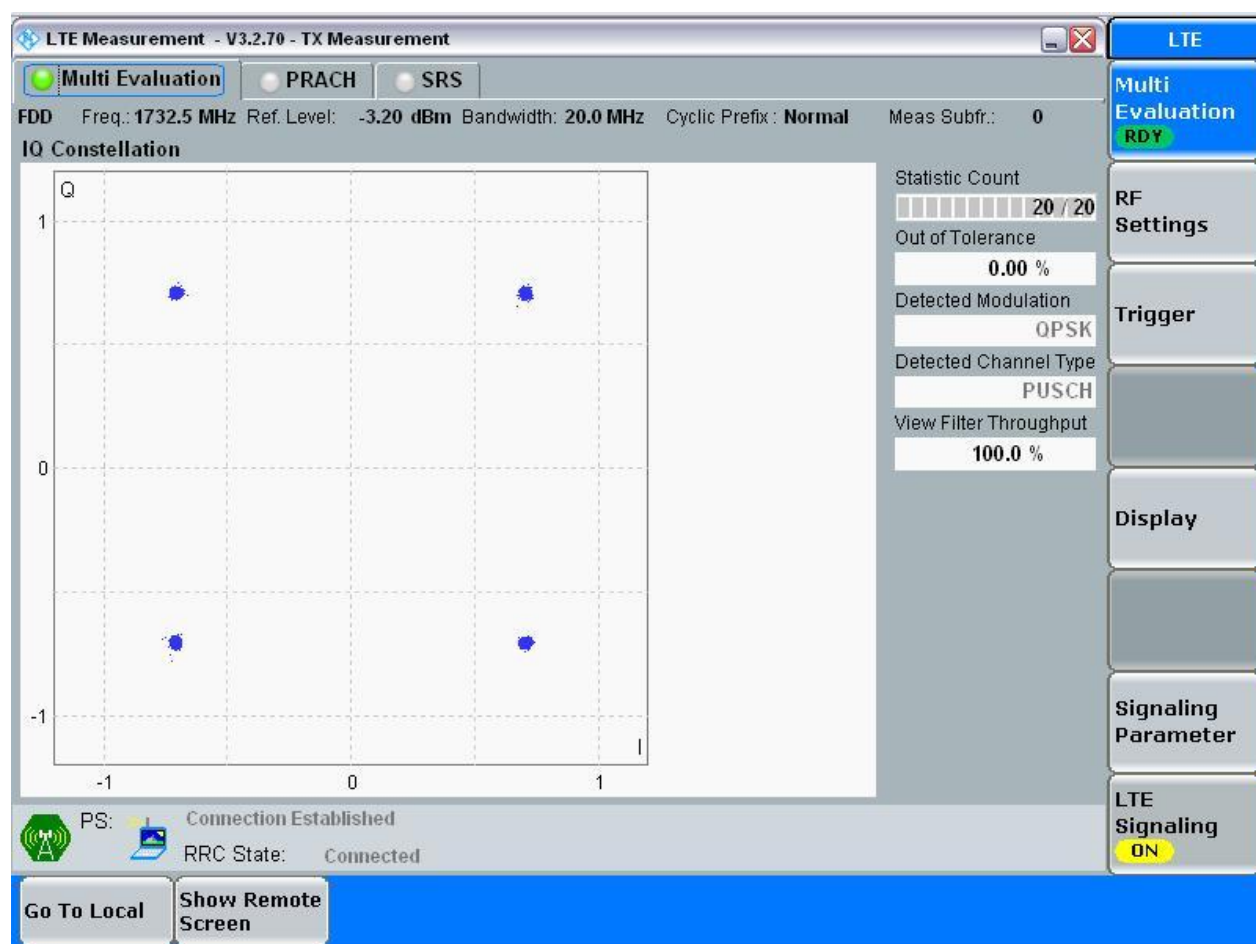
3.1.1.1.5.1.1 Test RB = RB75#0



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

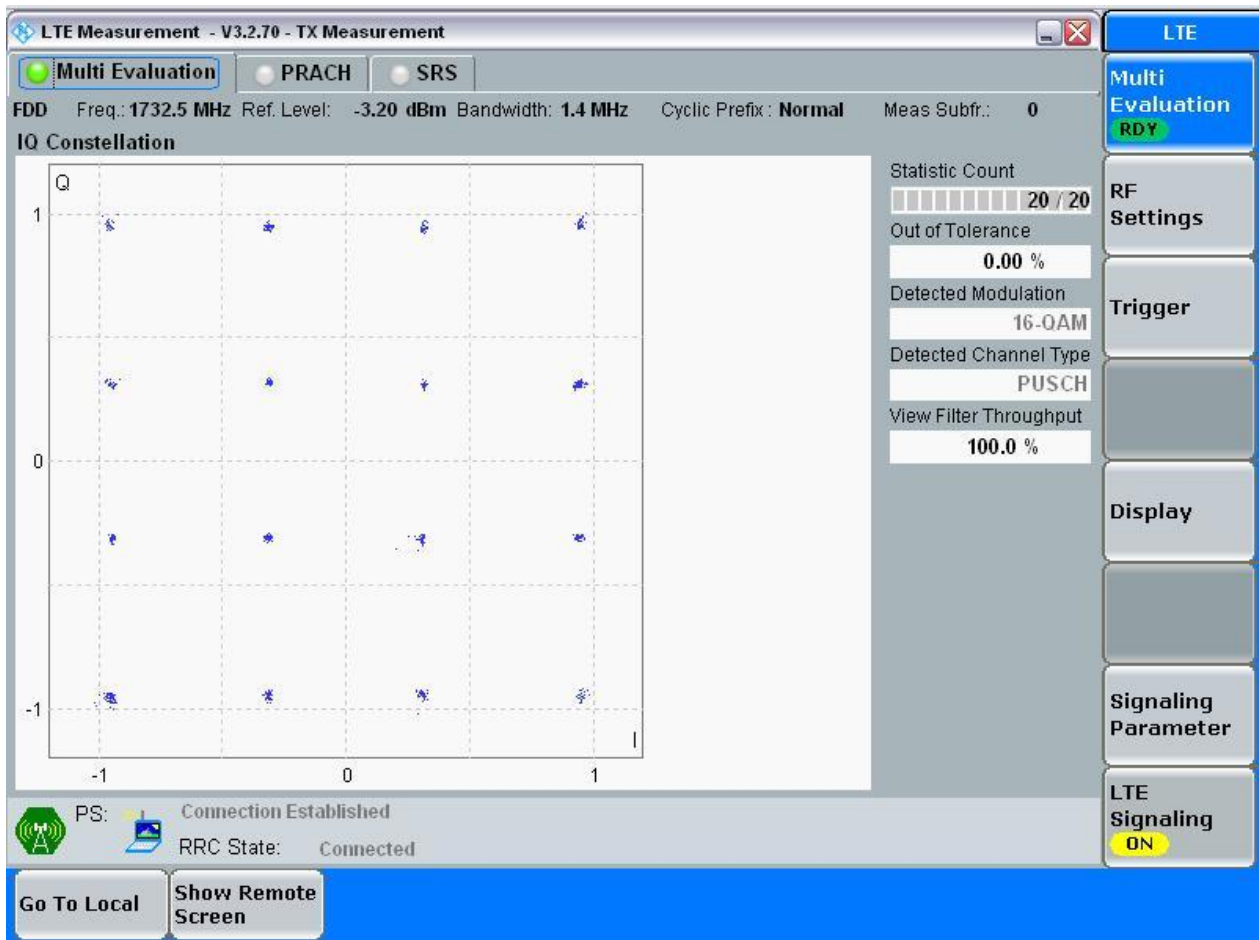


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

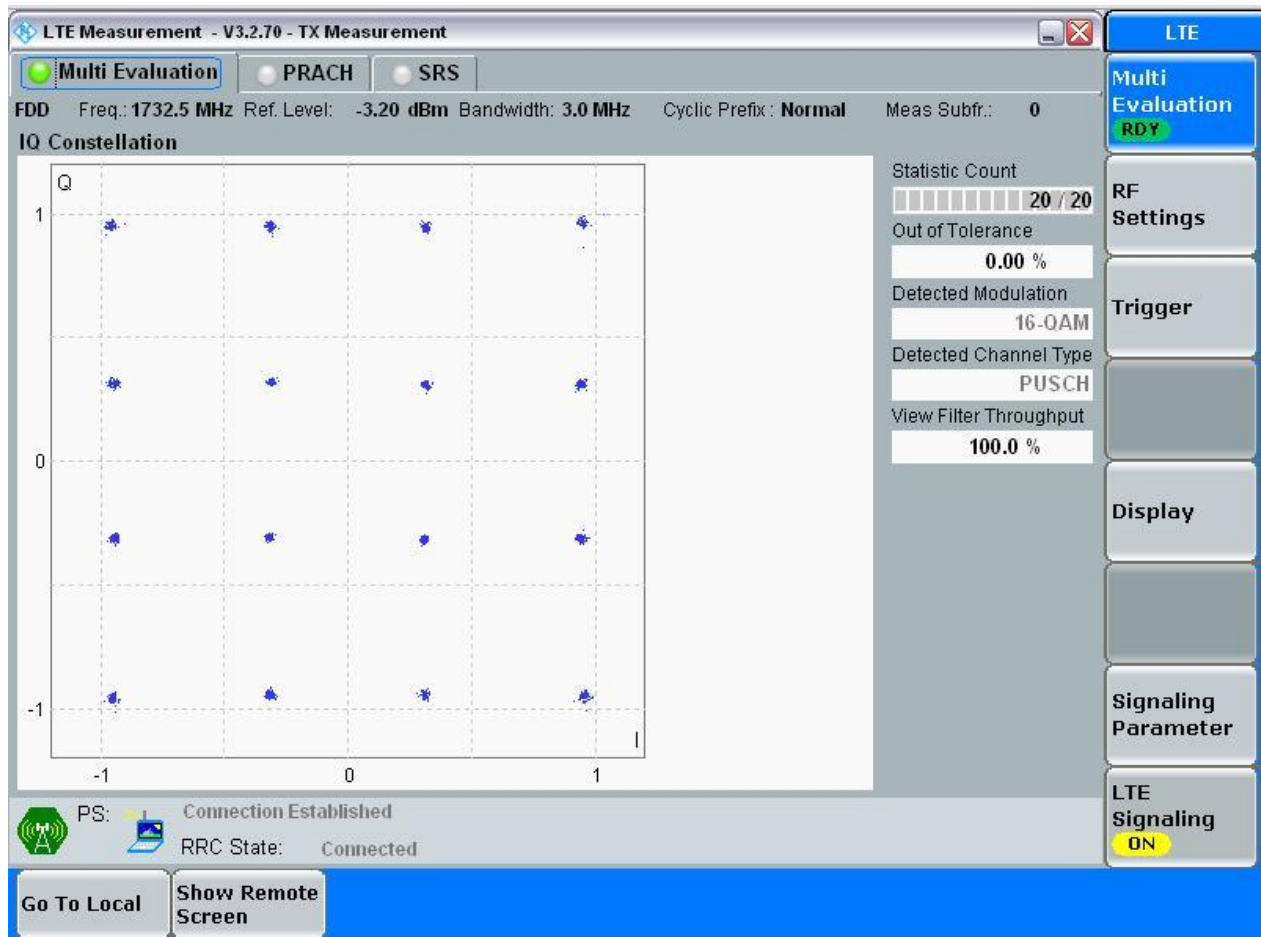
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

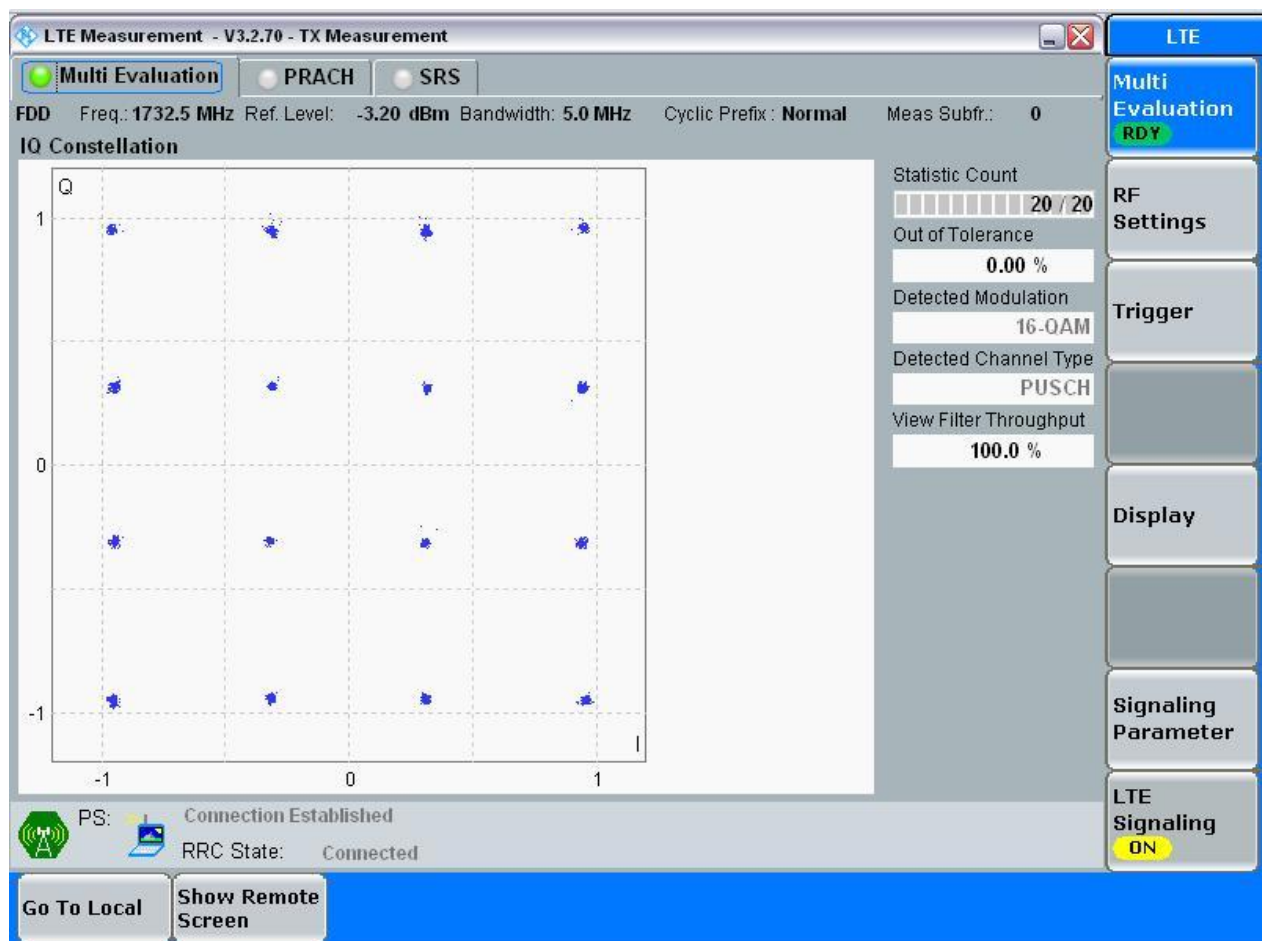
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

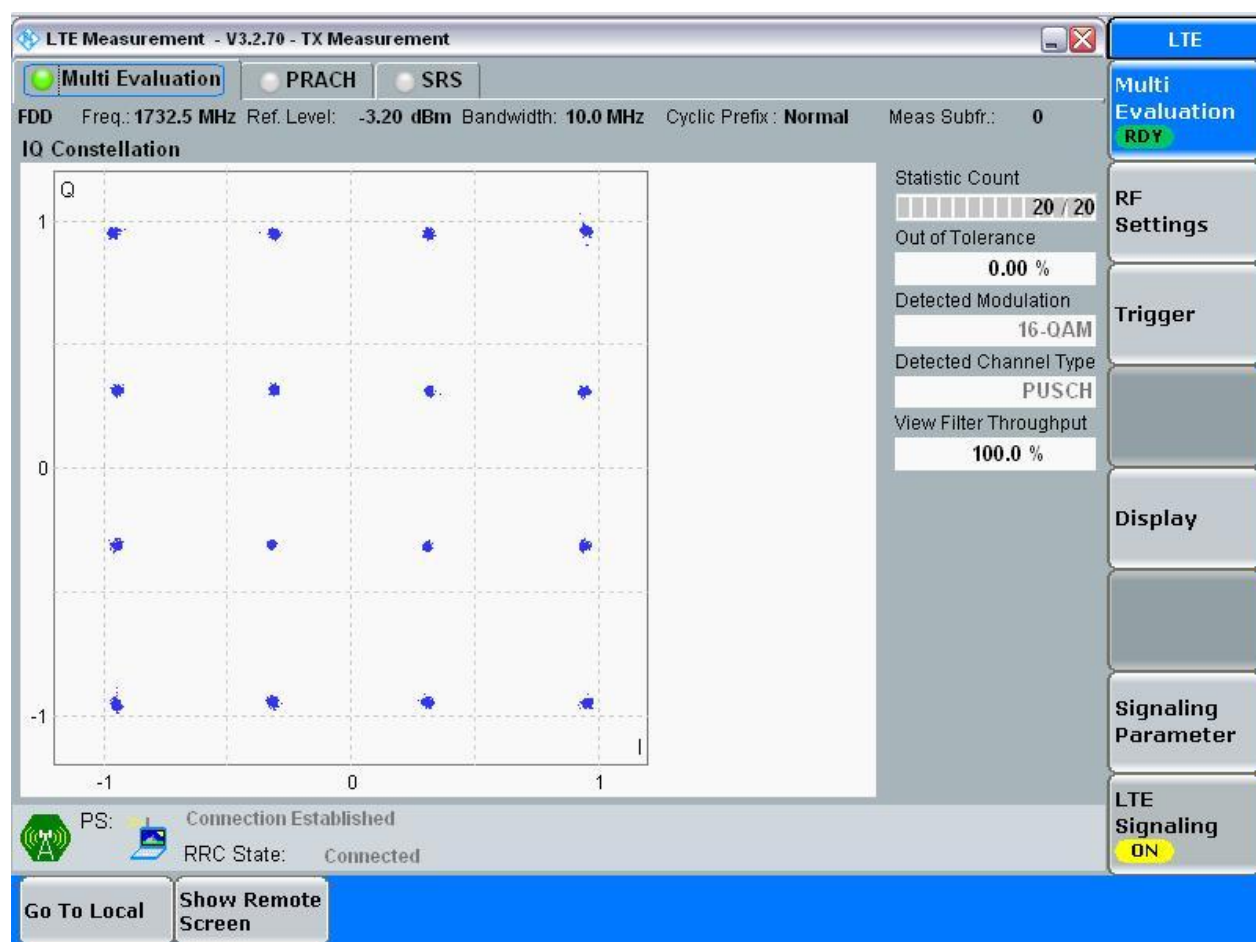
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

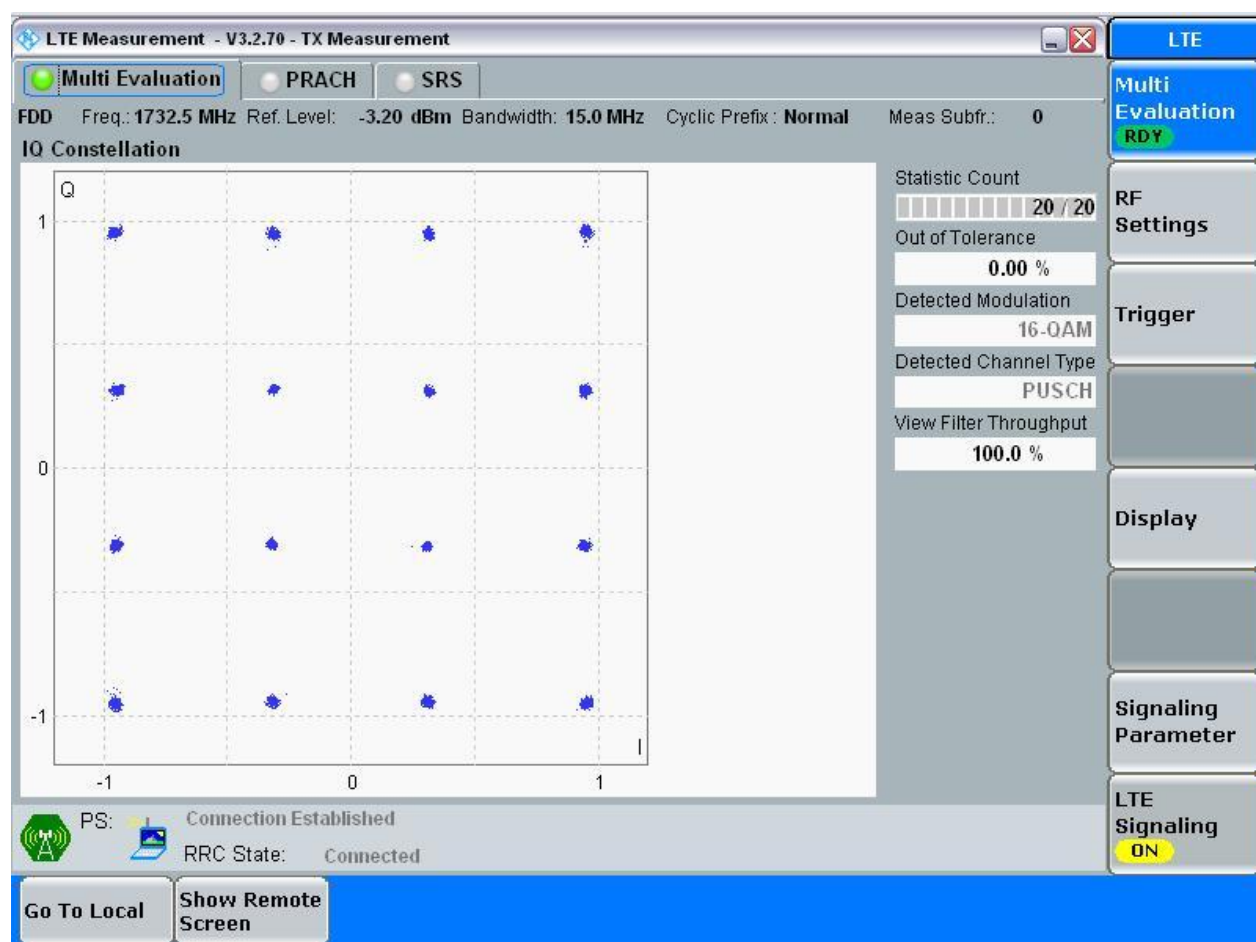
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

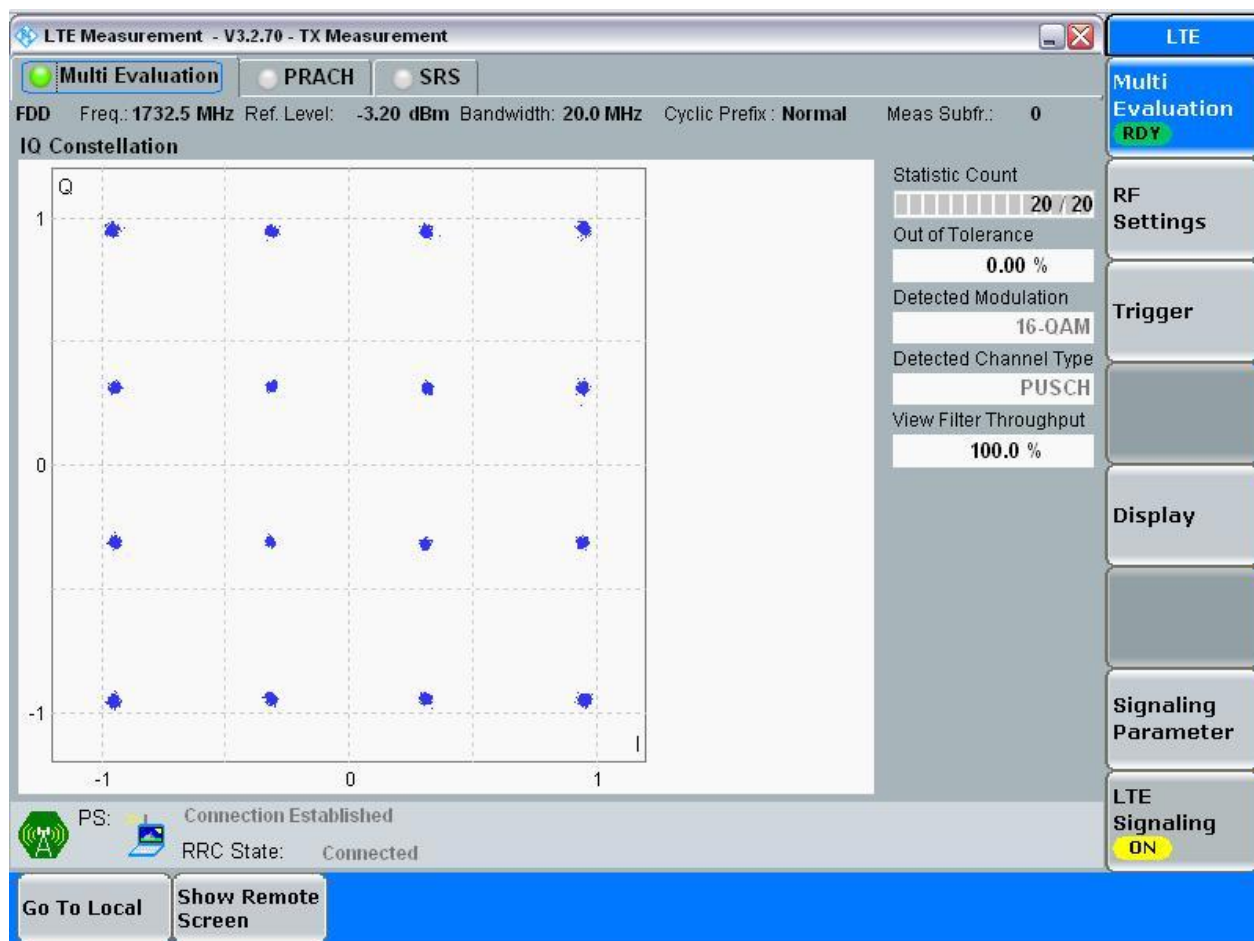
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.07	1.19	Pass
			MCH	RB6#0	1.09	1.21	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.96	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.52	4.83	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.52	4.96	Pass
		10	LCH	RB50#0	9.02	9.91	Pass
			MCH	RB50#0	9.00	9.93	Pass
			HCH	RB50#0	9.00	9.91	Pass
		15	LCH	RB75#0	13.57	15.09	Pass
			MCH	RB75#0	13.53	14.99	Pass
			HCH	RB75#0	13.53	15.01	Pass
		20	LCH	RB100#0	18.04	19.89	Pass
			MCH	RB100#0	18.00	19.79	Pass
			HCH	RB100#0	18.03	19.82	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.07	1.19	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.70	2.88	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.51	4.79	Pass
			MCH	RB25#0	4.52	4.98	Pass
			HCH	RB25#0	4.52	4.97	Pass
		10	LCH	RB50#0	9.02	9.93	Pass
			MCH	RB50#0	8.99	9.89	Pass
			HCH	RB50#0	9.00	9.94	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.57	15.09	Pass
			MCH	RB75#0	13.51	14.91	Pass
			HCH	RB75#0	13.53	15.00	Pass
		20	LCH	RB100#0	18.07	19.25	Pass
			MCH	RB100#0	17.97	19.76	Pass
			HCH	RB100#0	18.05	19.85	Pass



Part II - Test Plots

4.1 For LTE

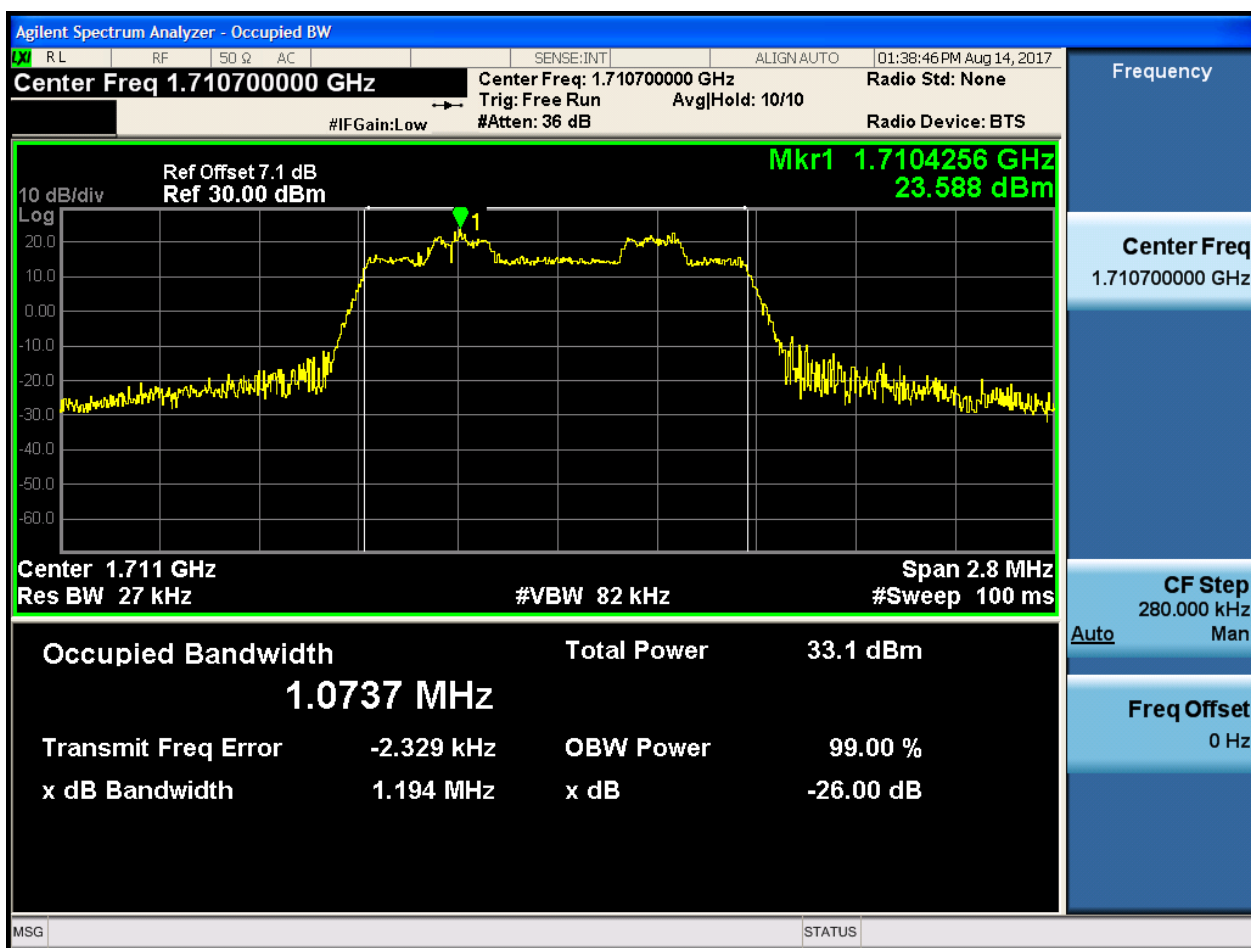
4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

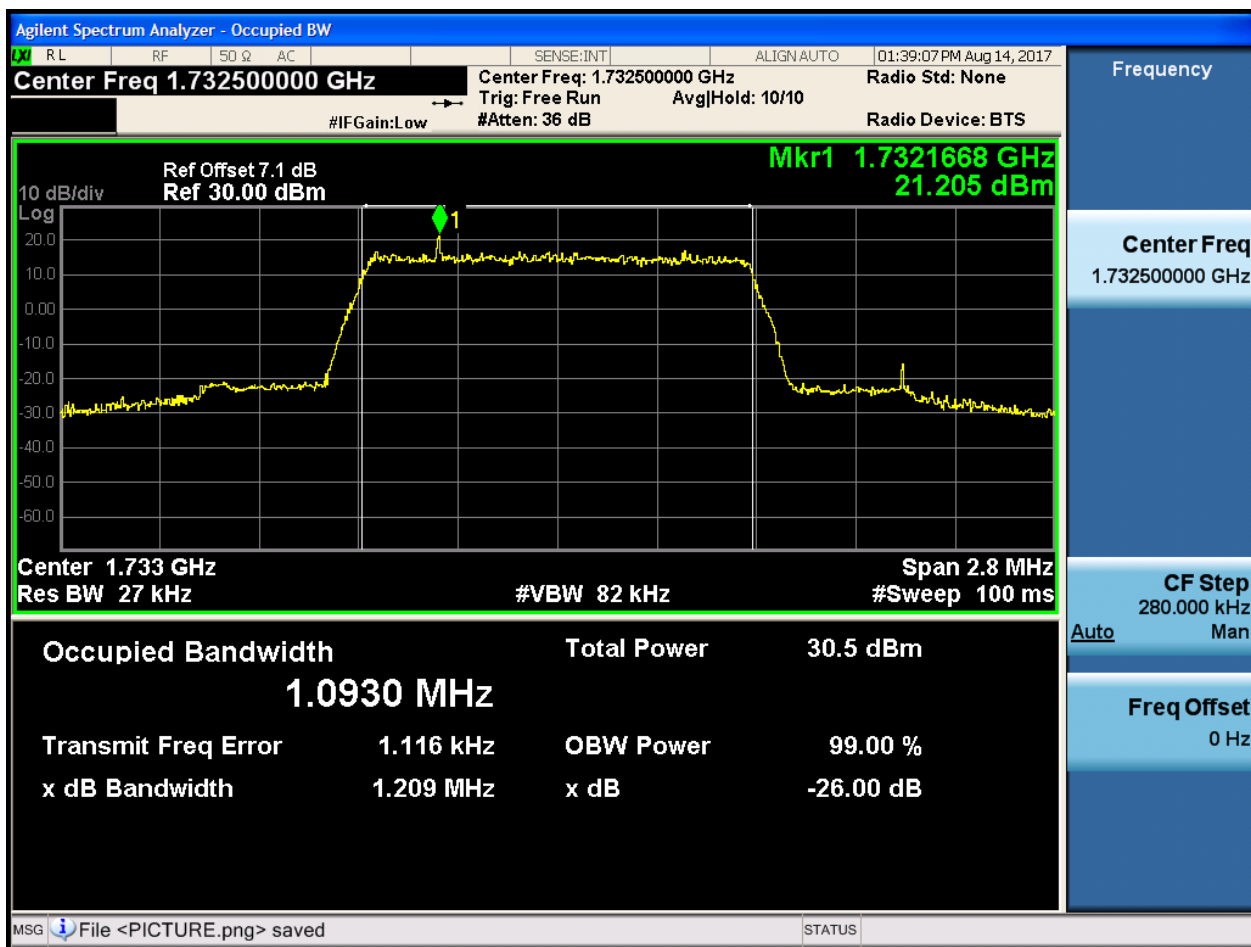
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



4.1.1.1.1.2 Test Channel = MCH

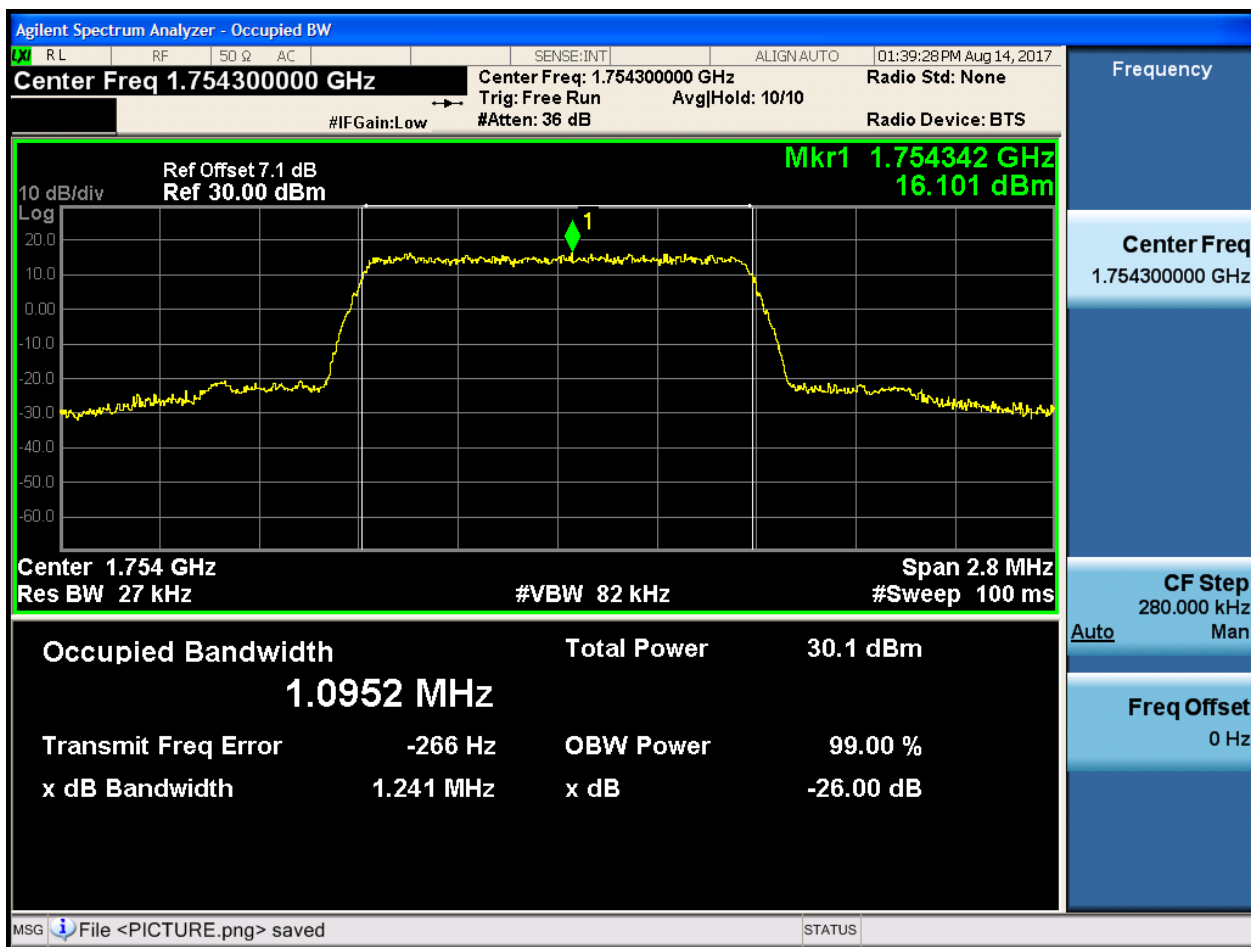
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

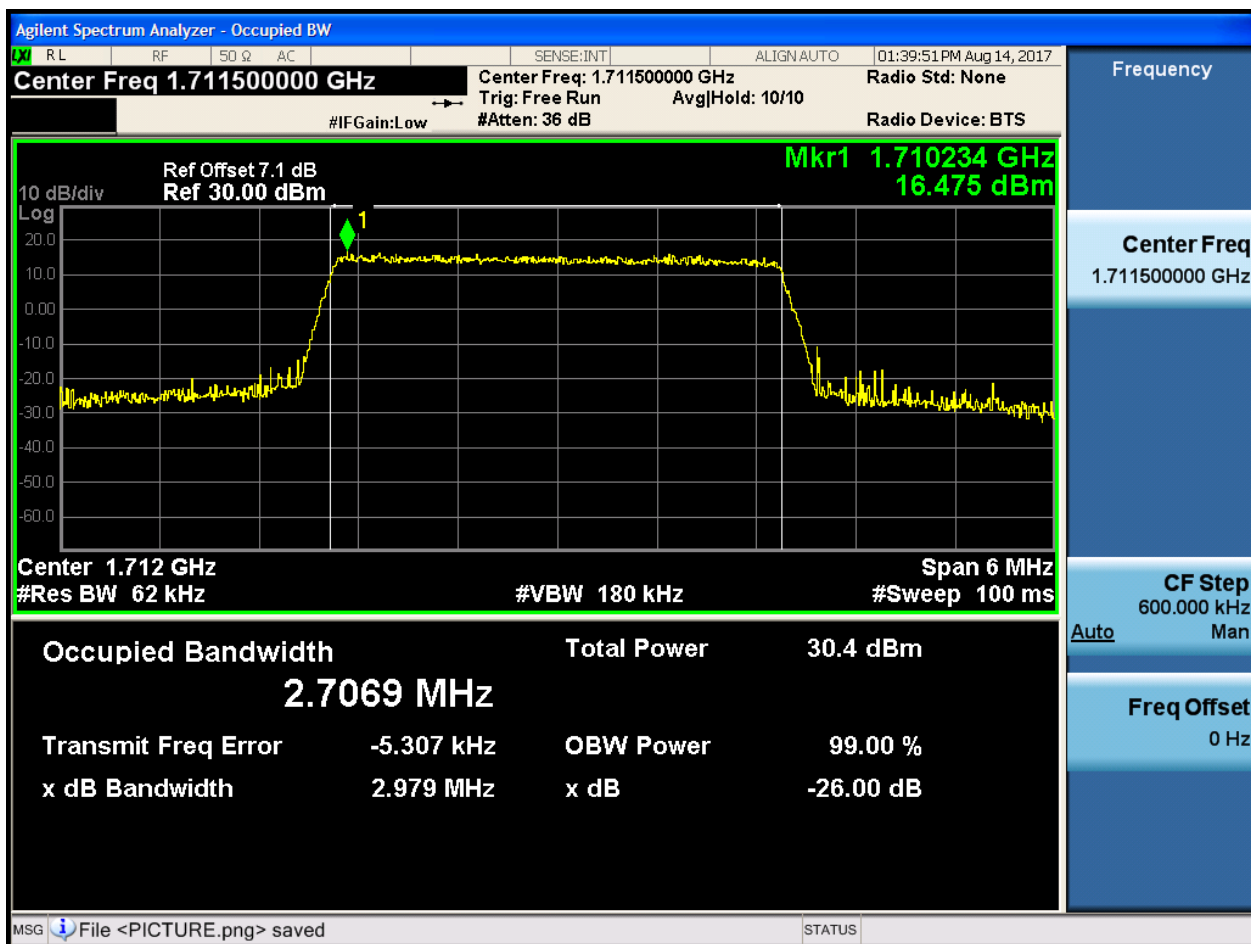




4.1.1.1.2 Test Bandwidth = 3

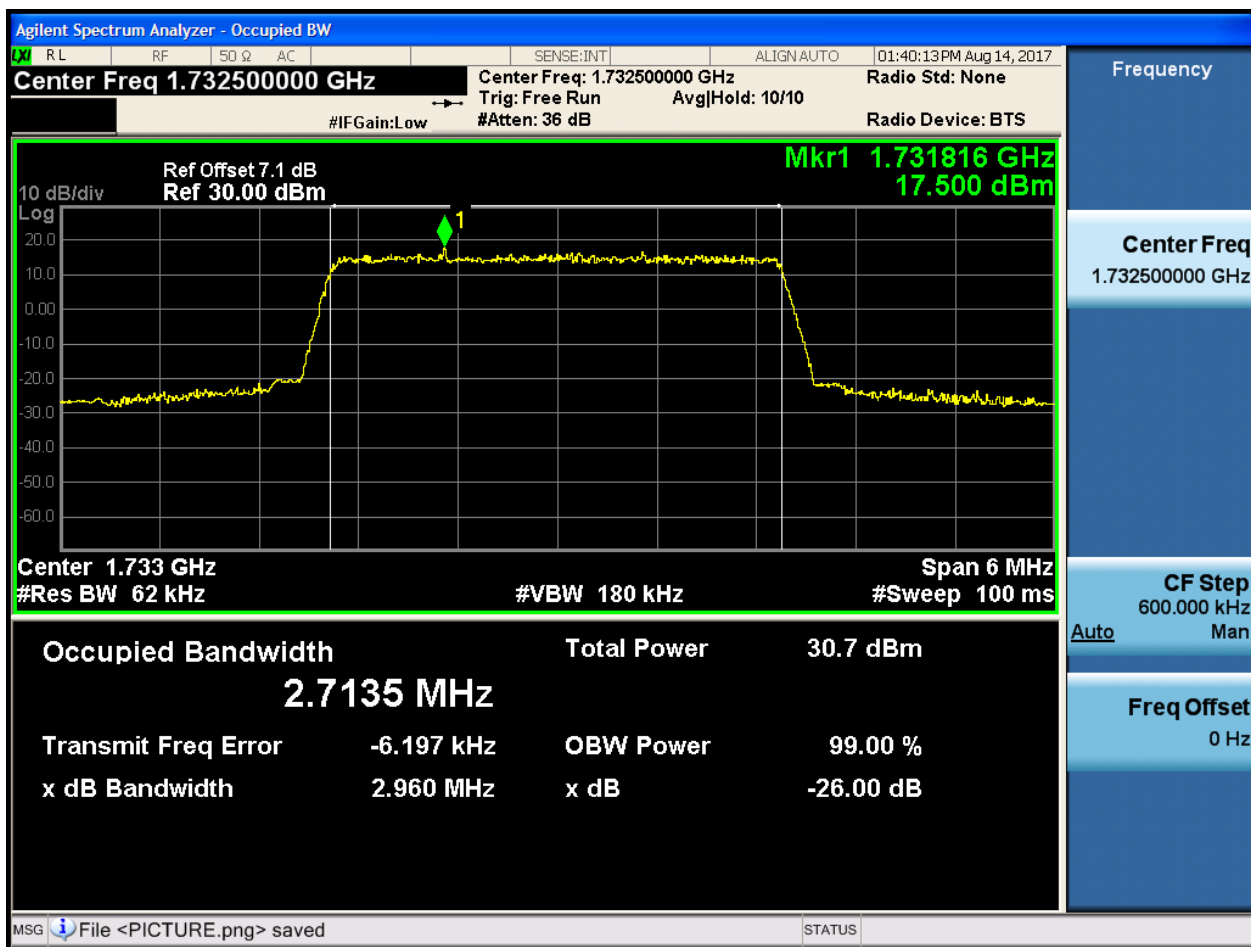
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



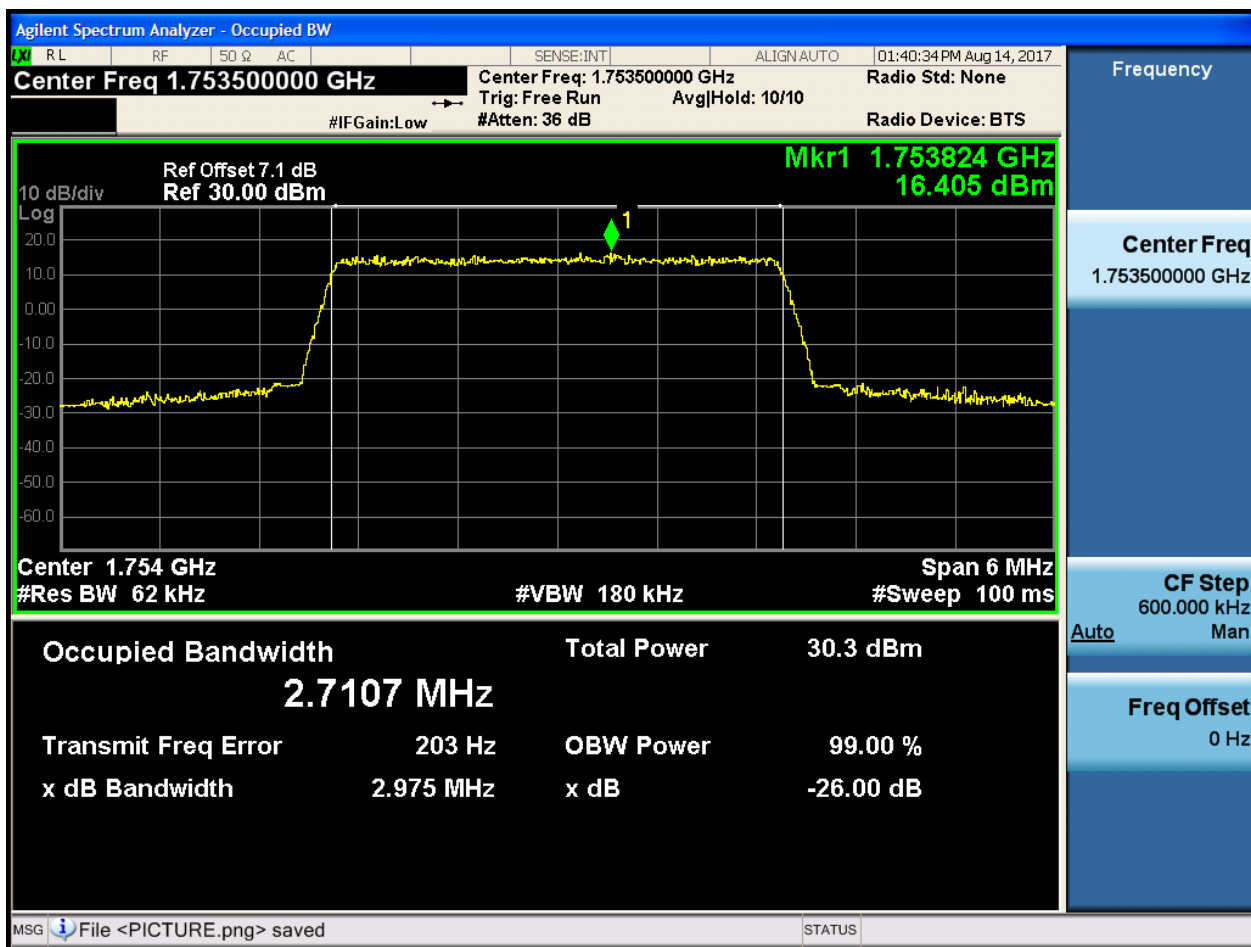
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0



4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

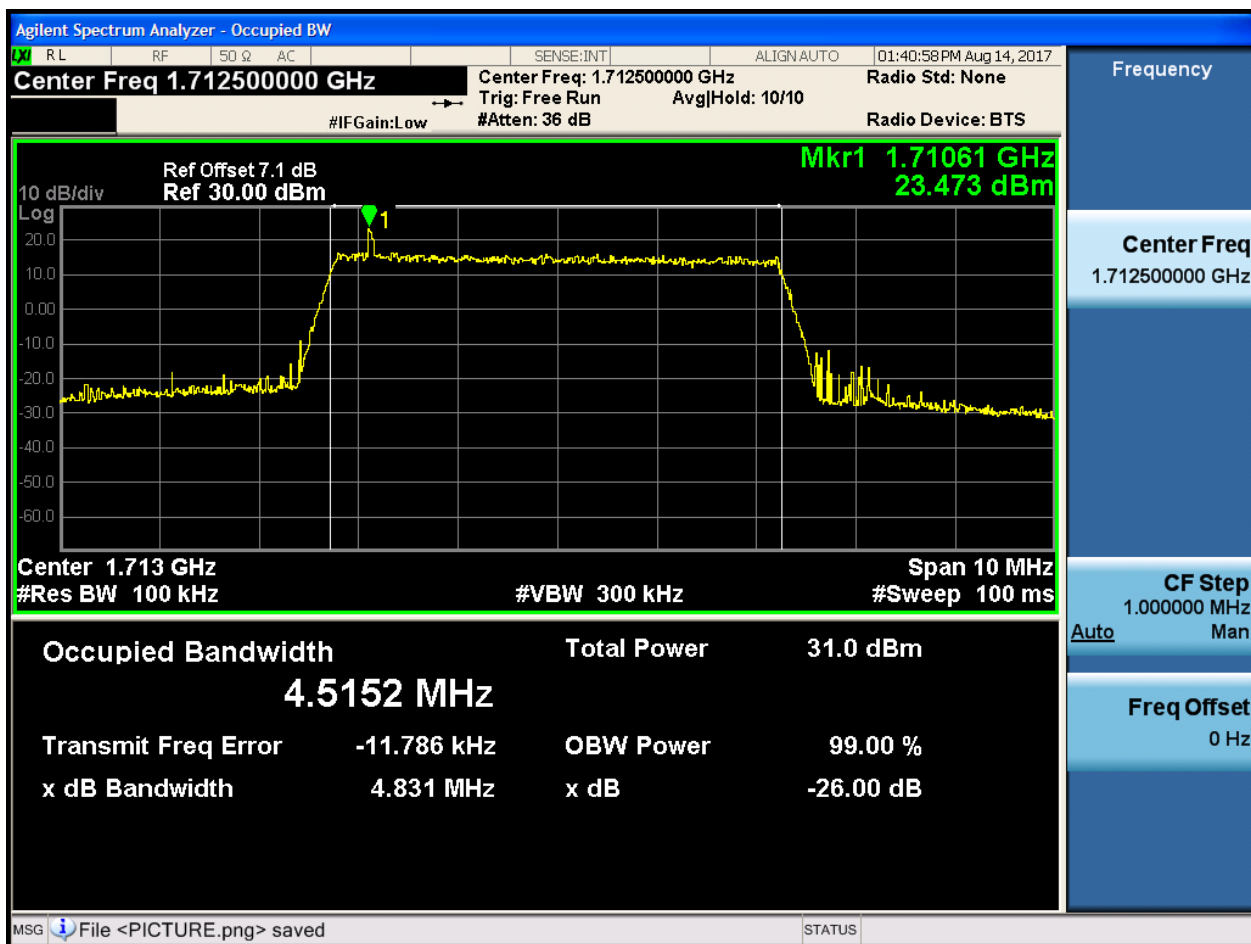




4.1.1.1.3 Test Bandwidth = 5

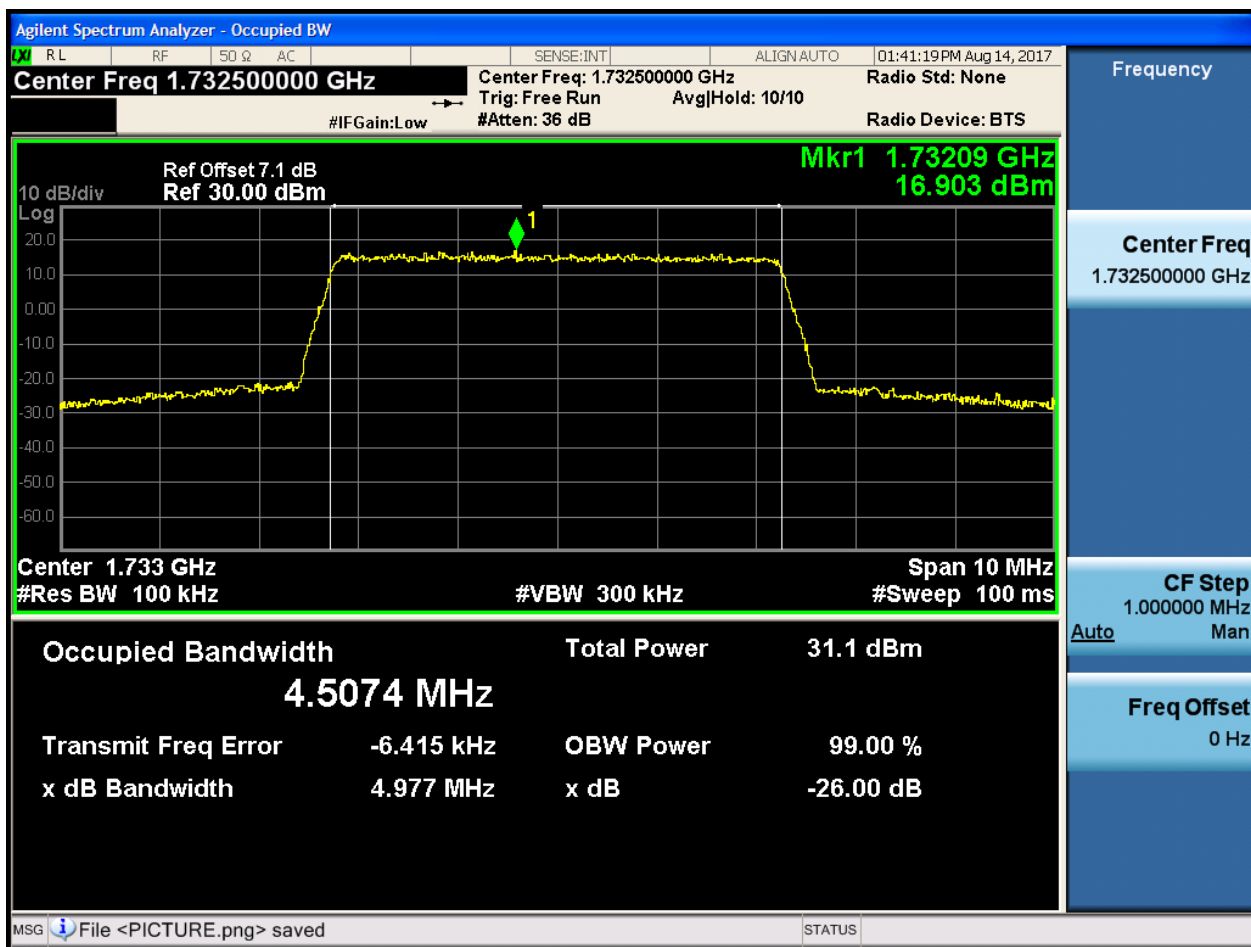
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



4.1.1.1.3.2 Test Channel = MCH

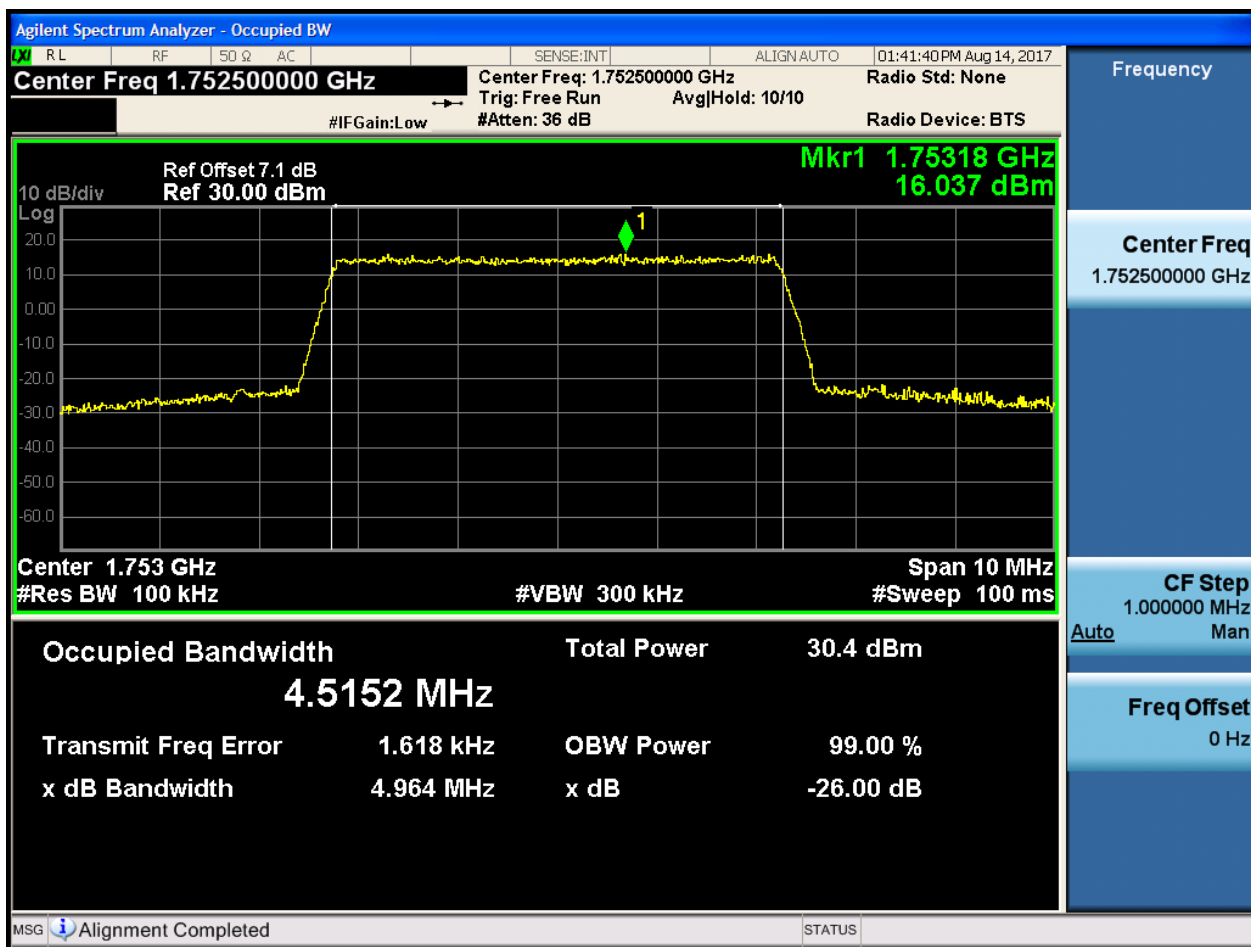
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

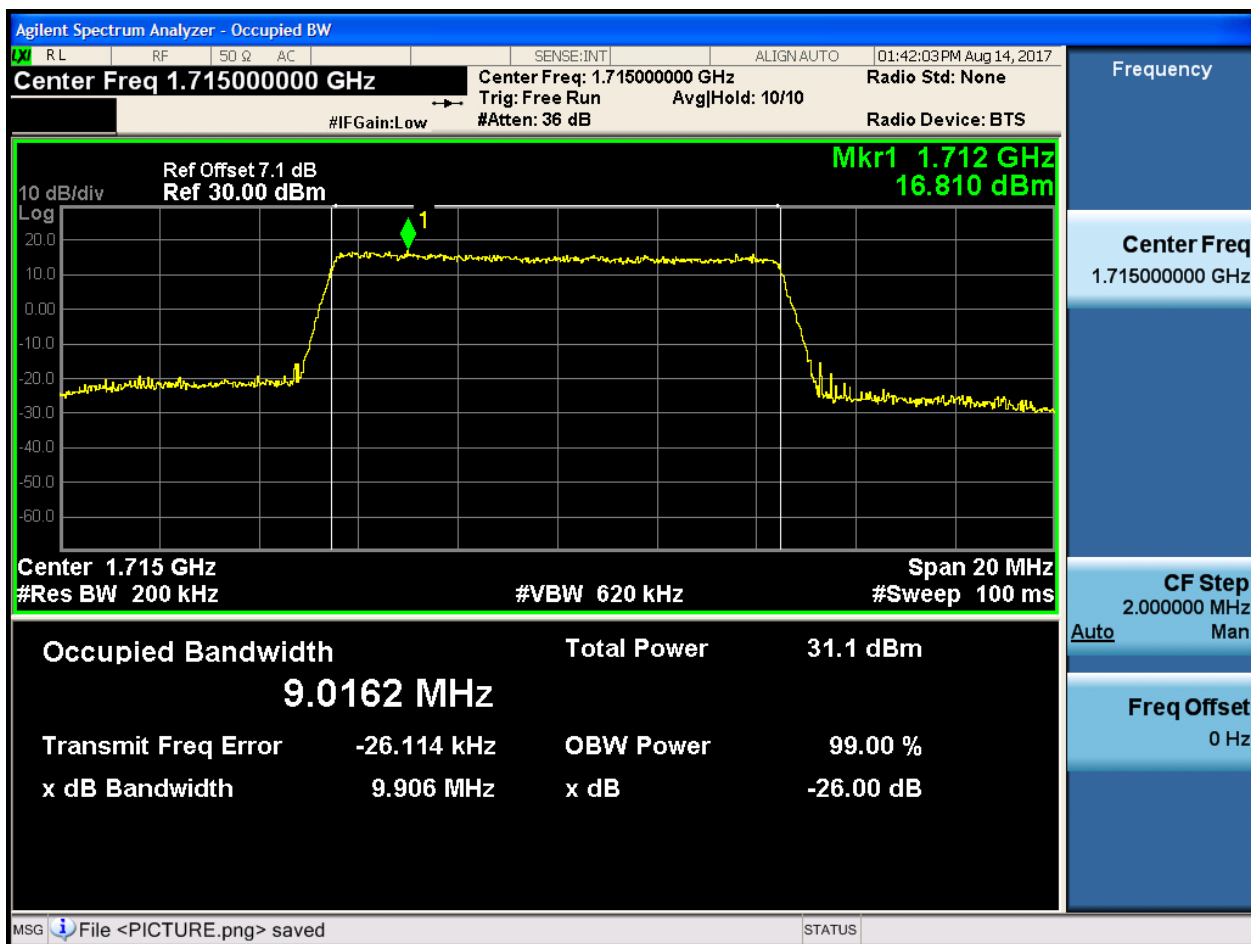




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

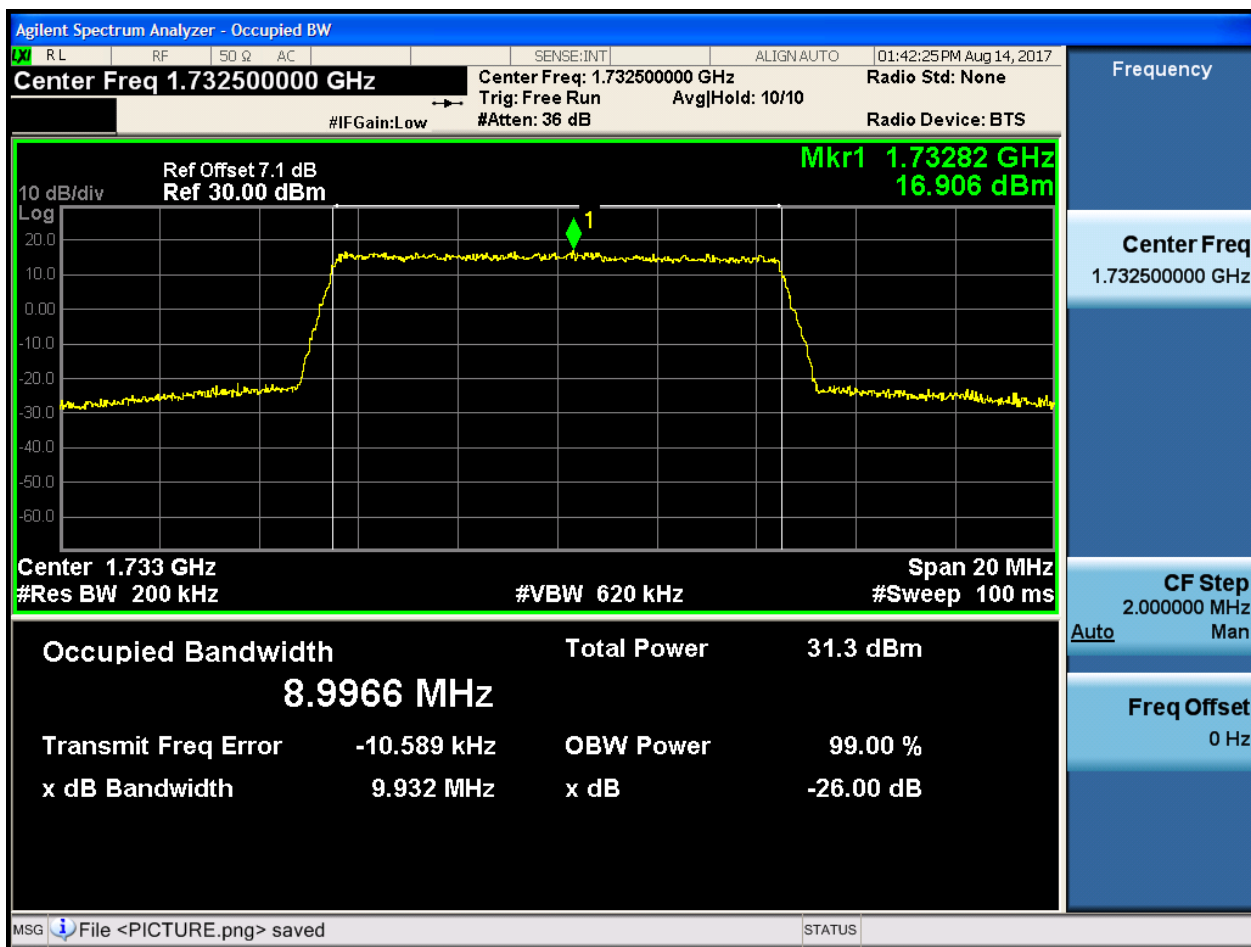
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

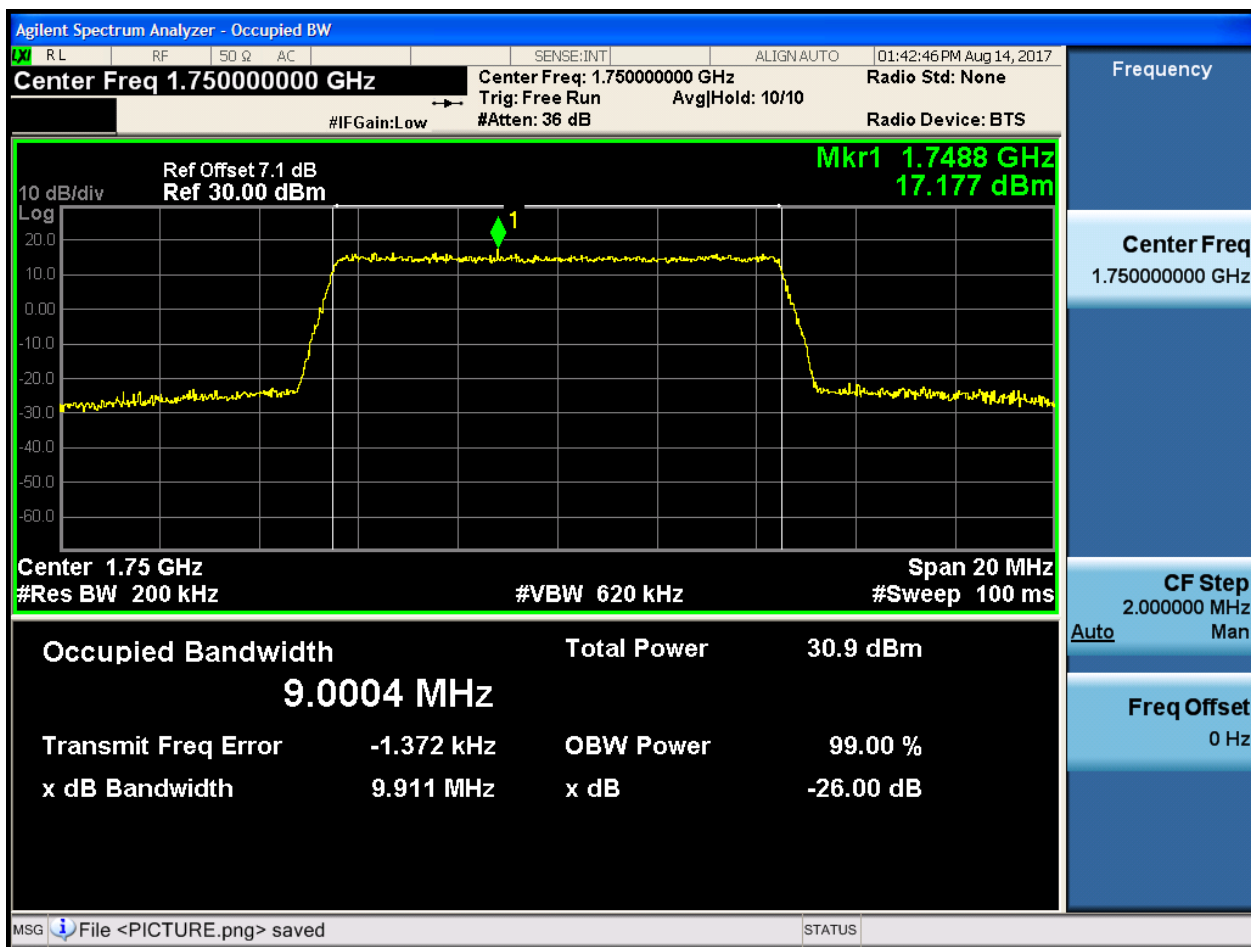
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

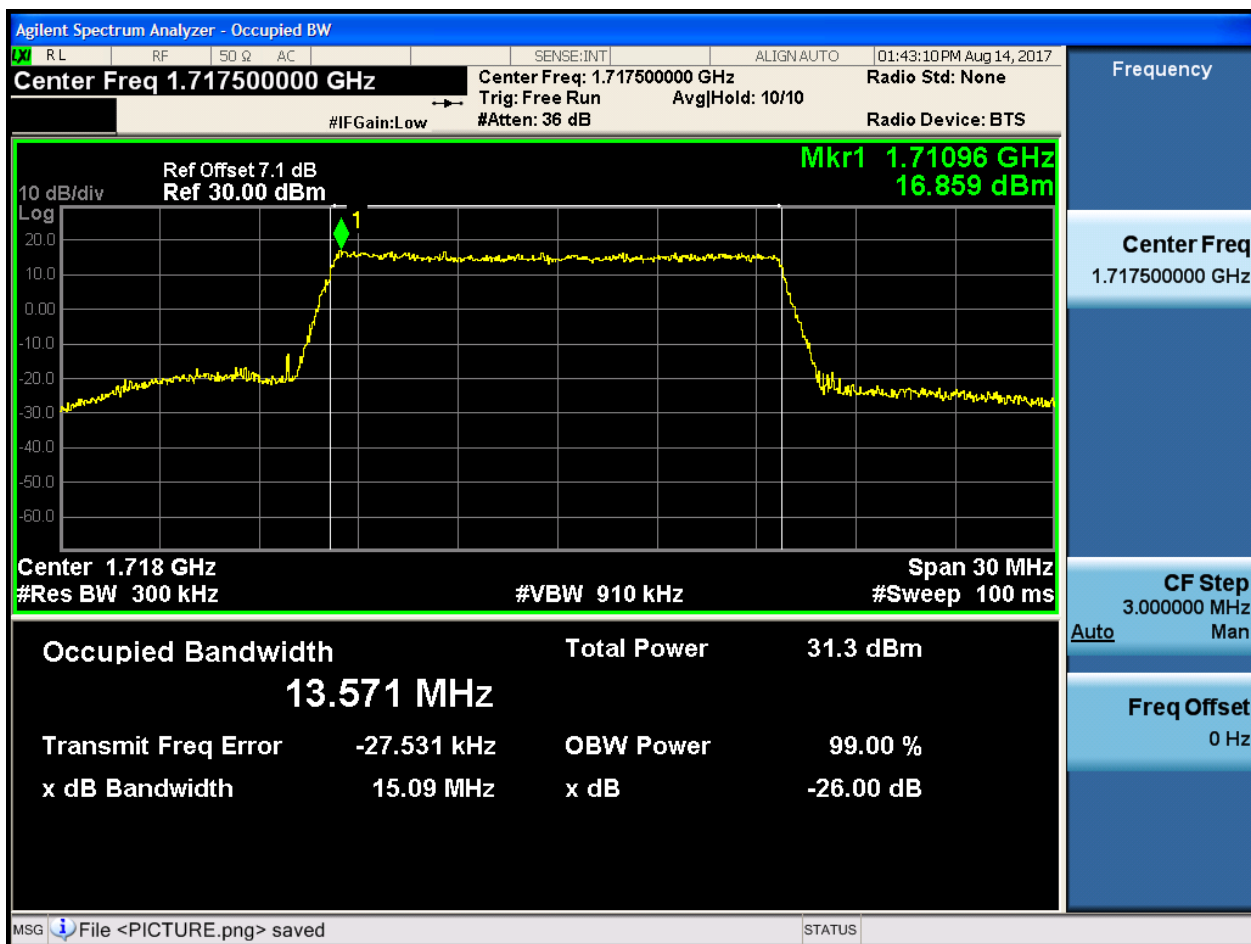




4.1.1.1.5 Test Bandwidth = 15

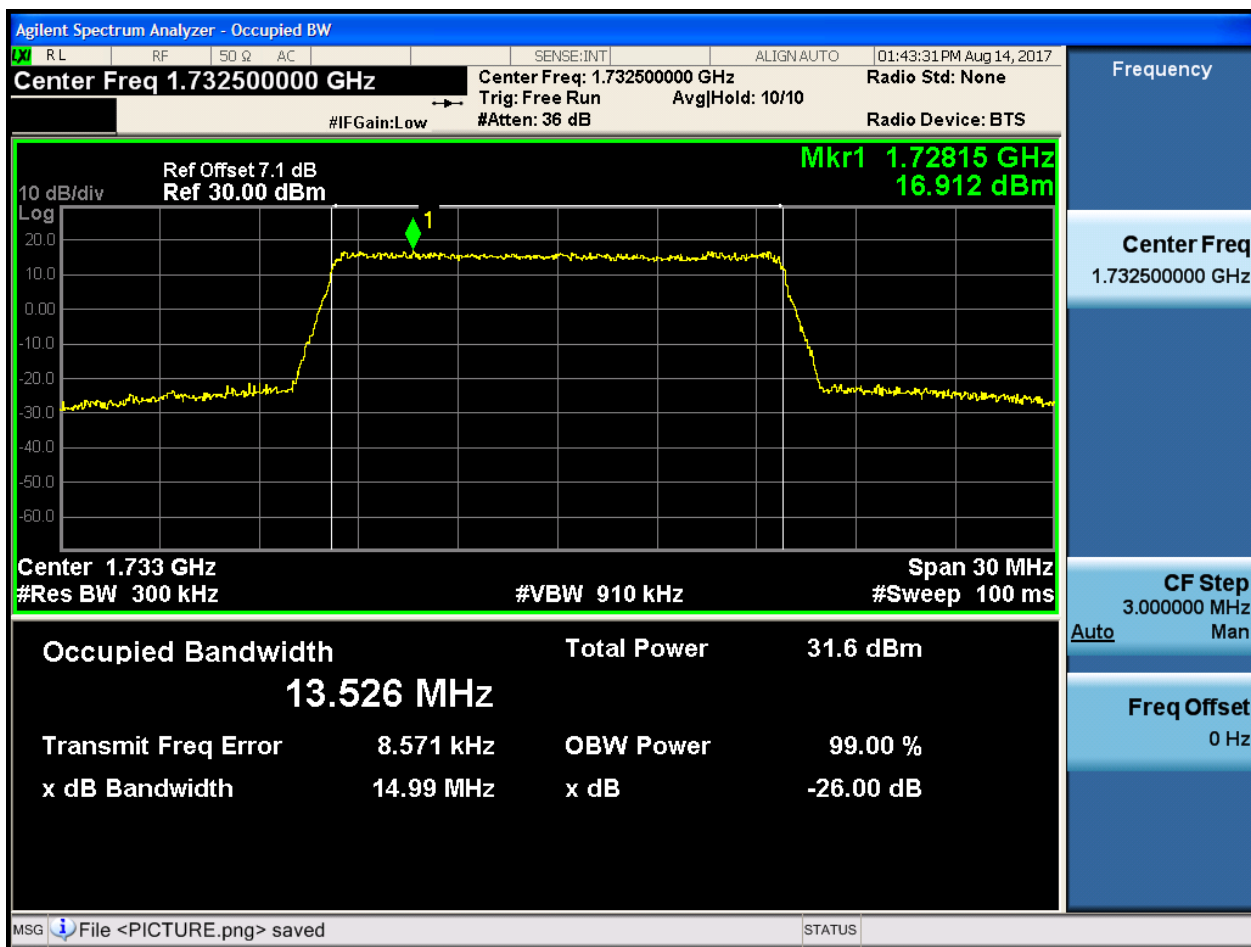
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



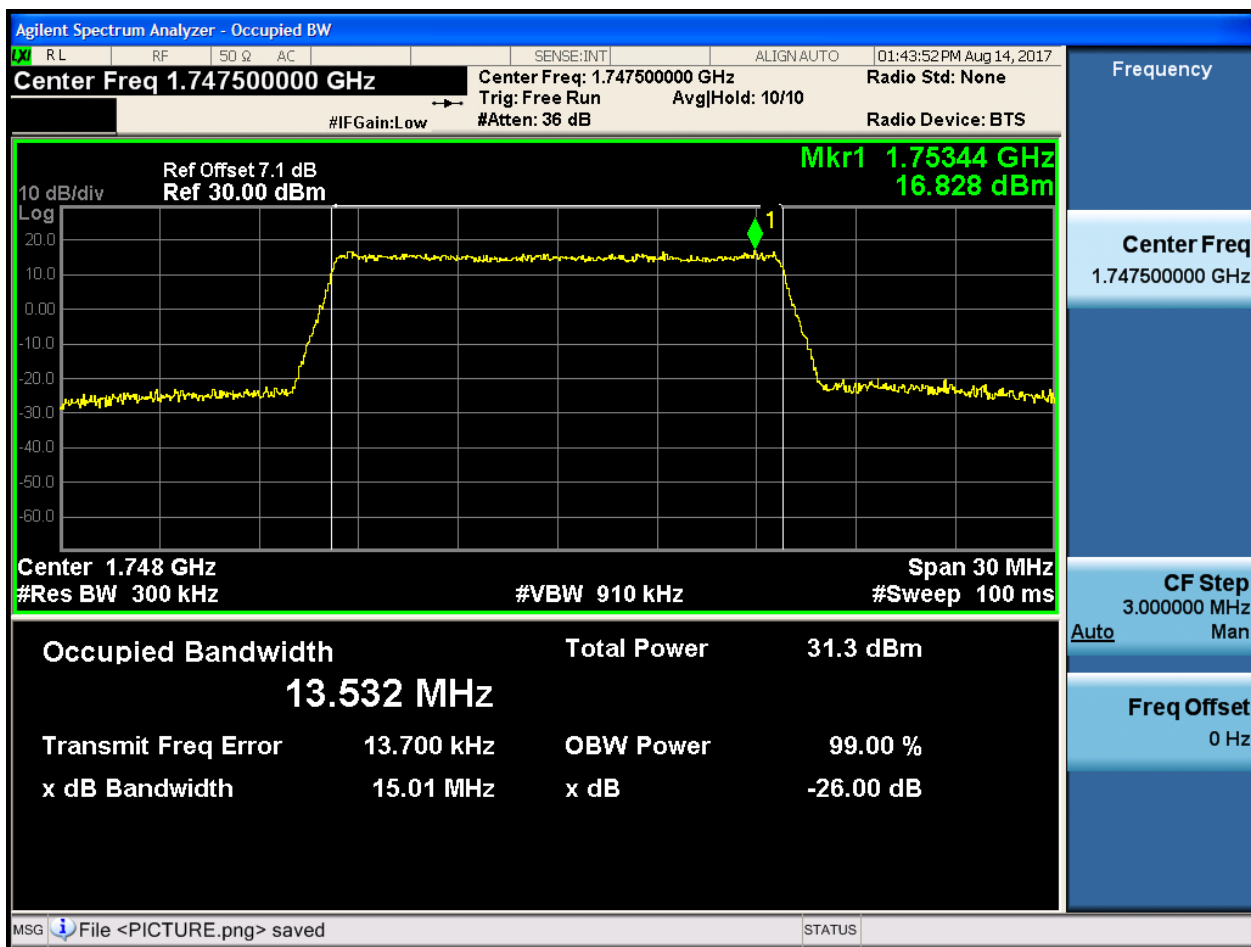
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0



4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

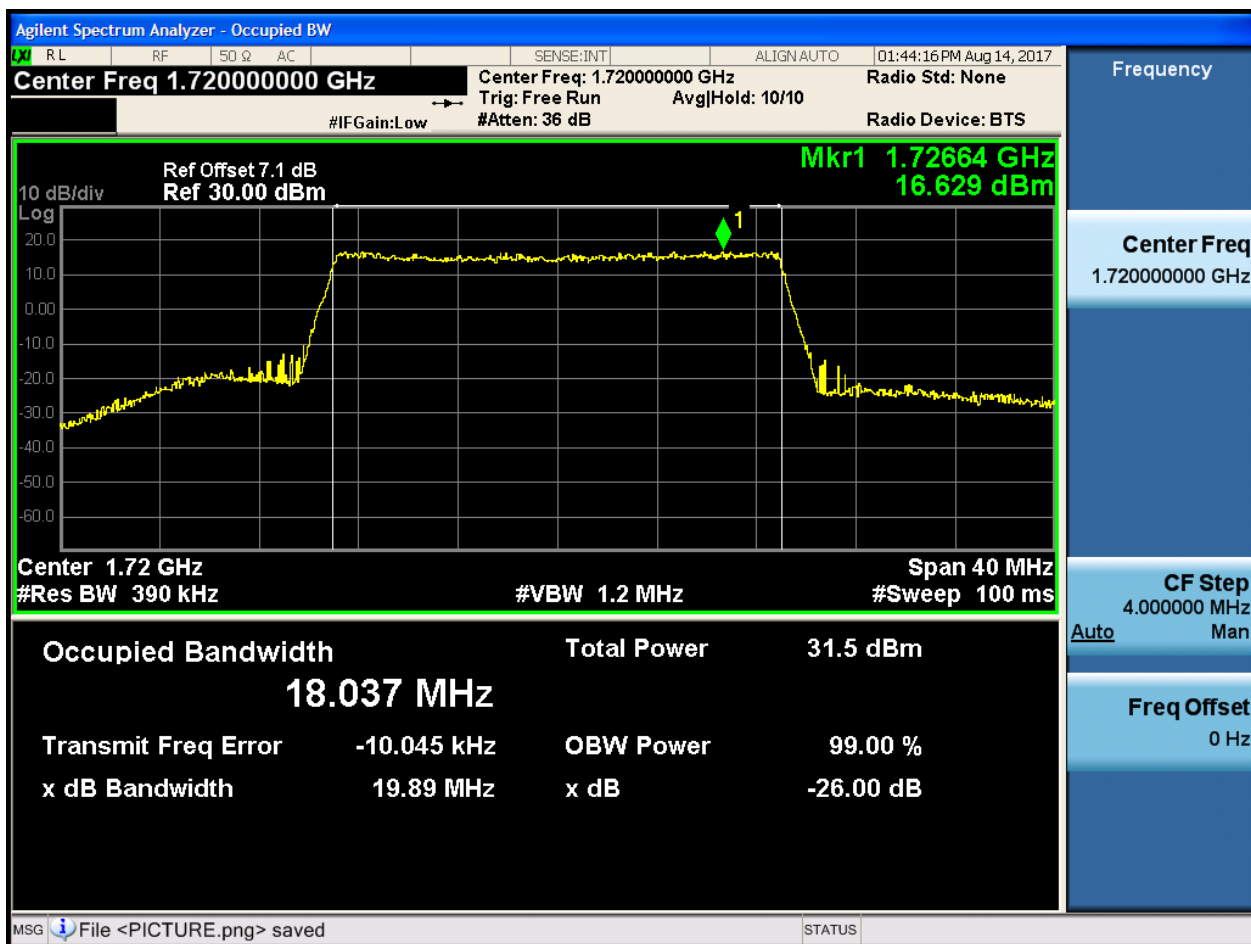




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

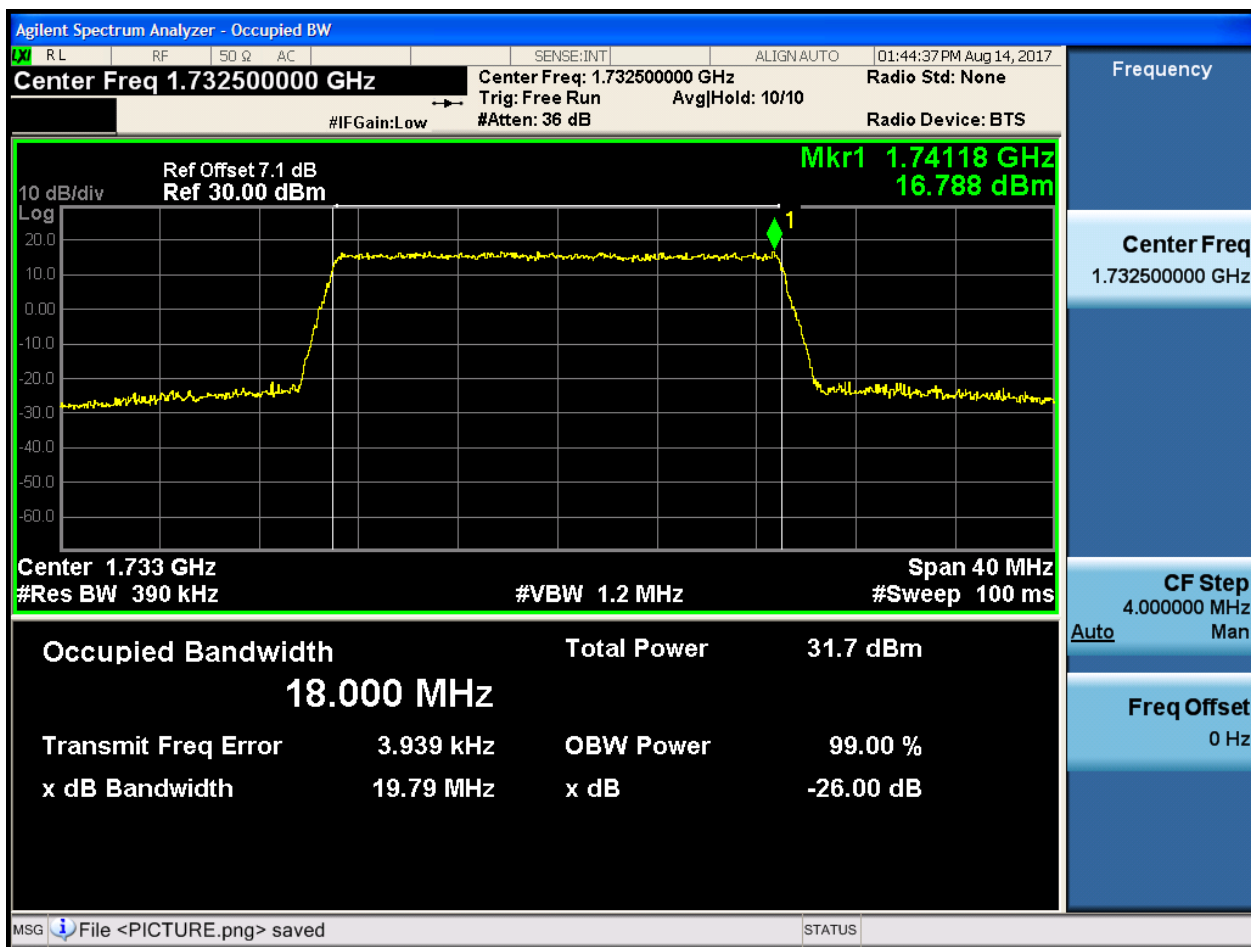
4.1.1.1.6.1.1 Test RB = RB100#0





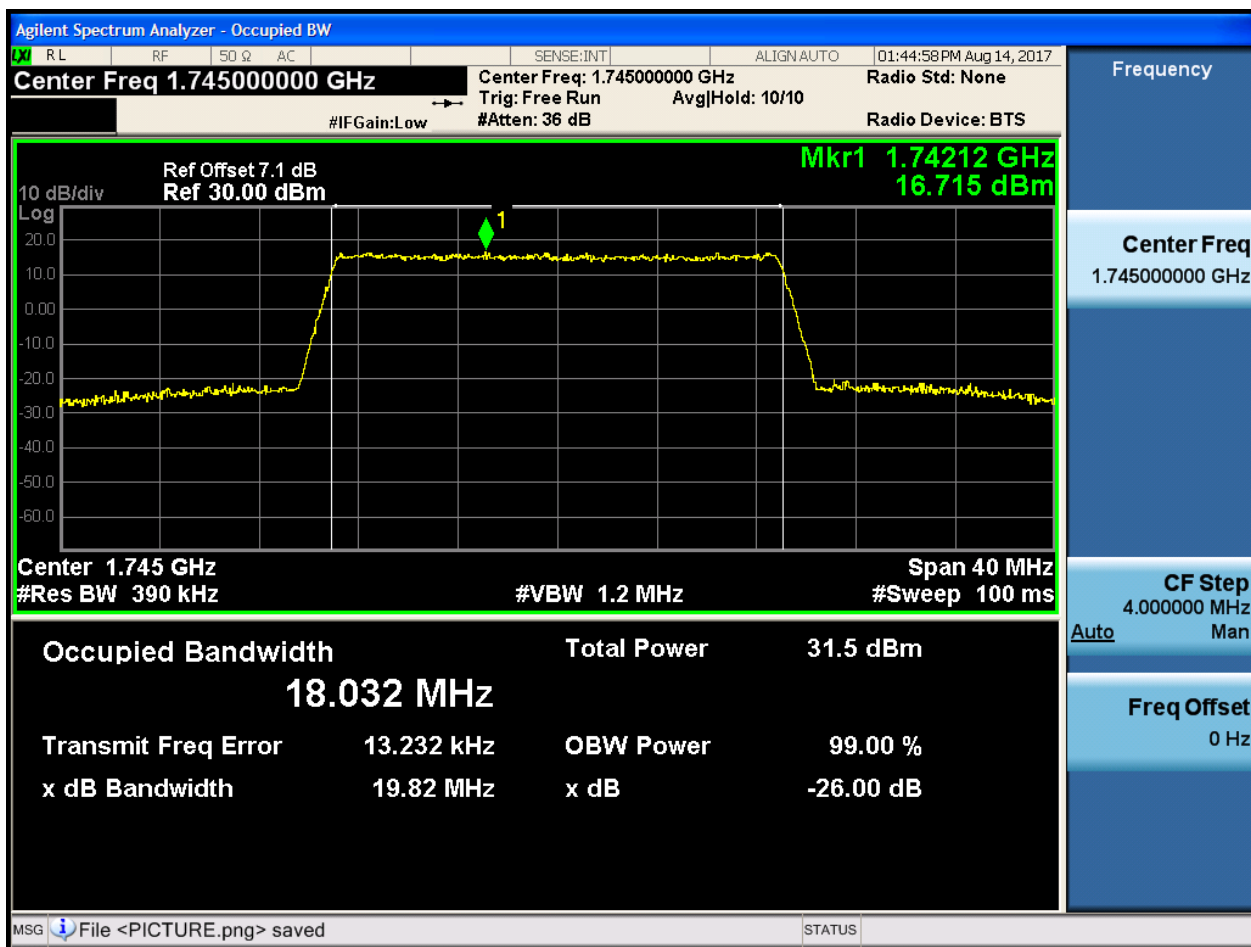
4.1.1.1.6.2 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB100#0



4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



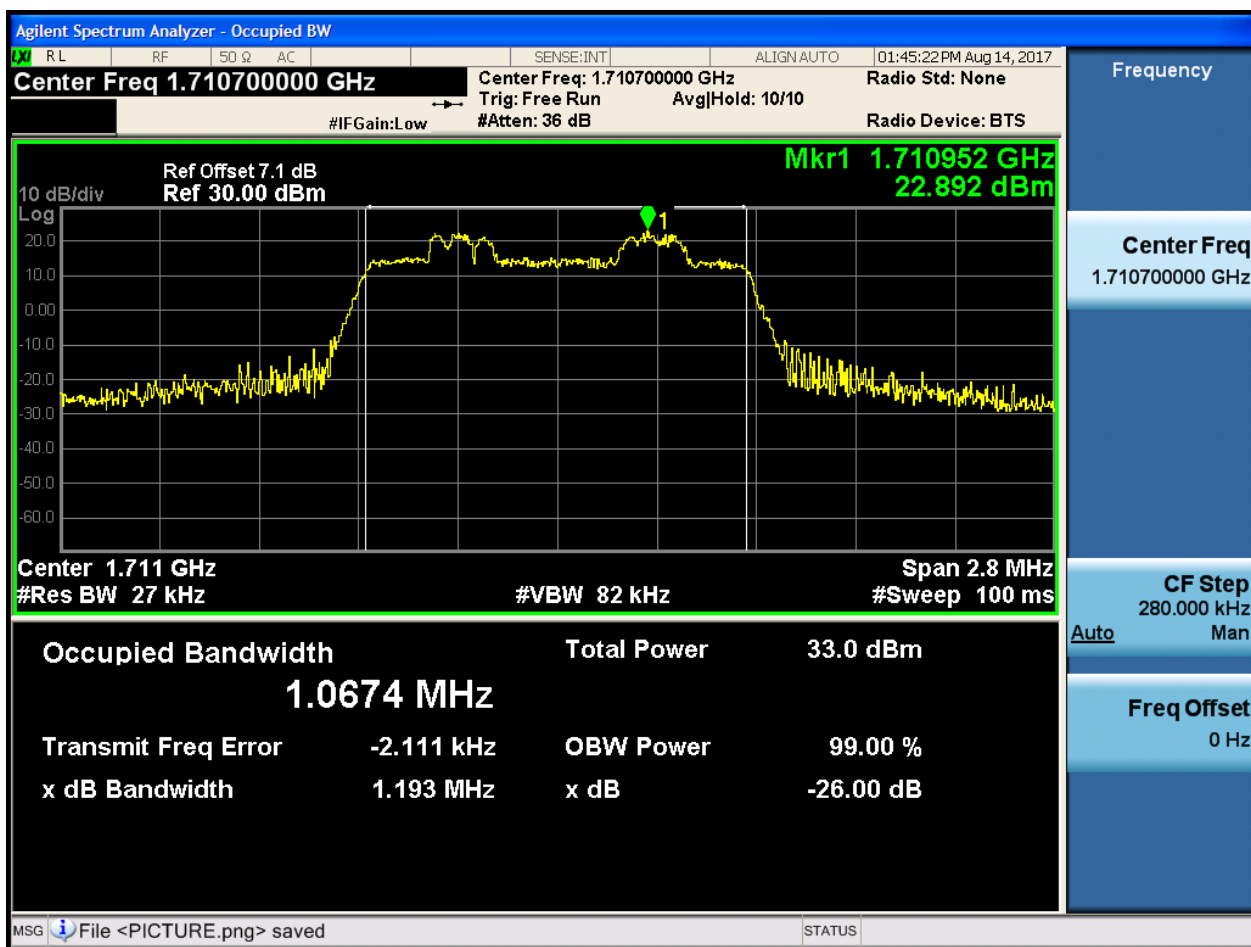


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

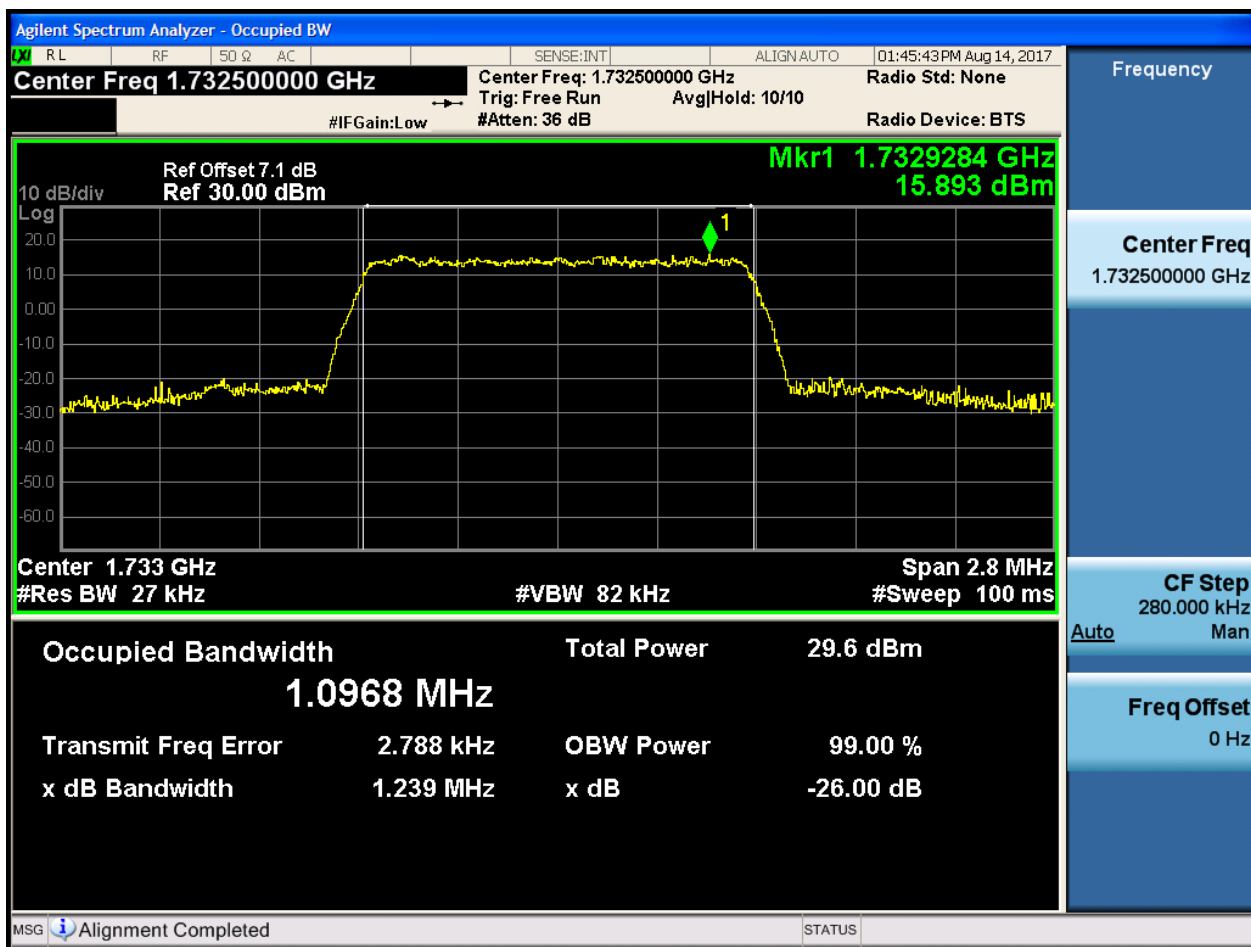
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

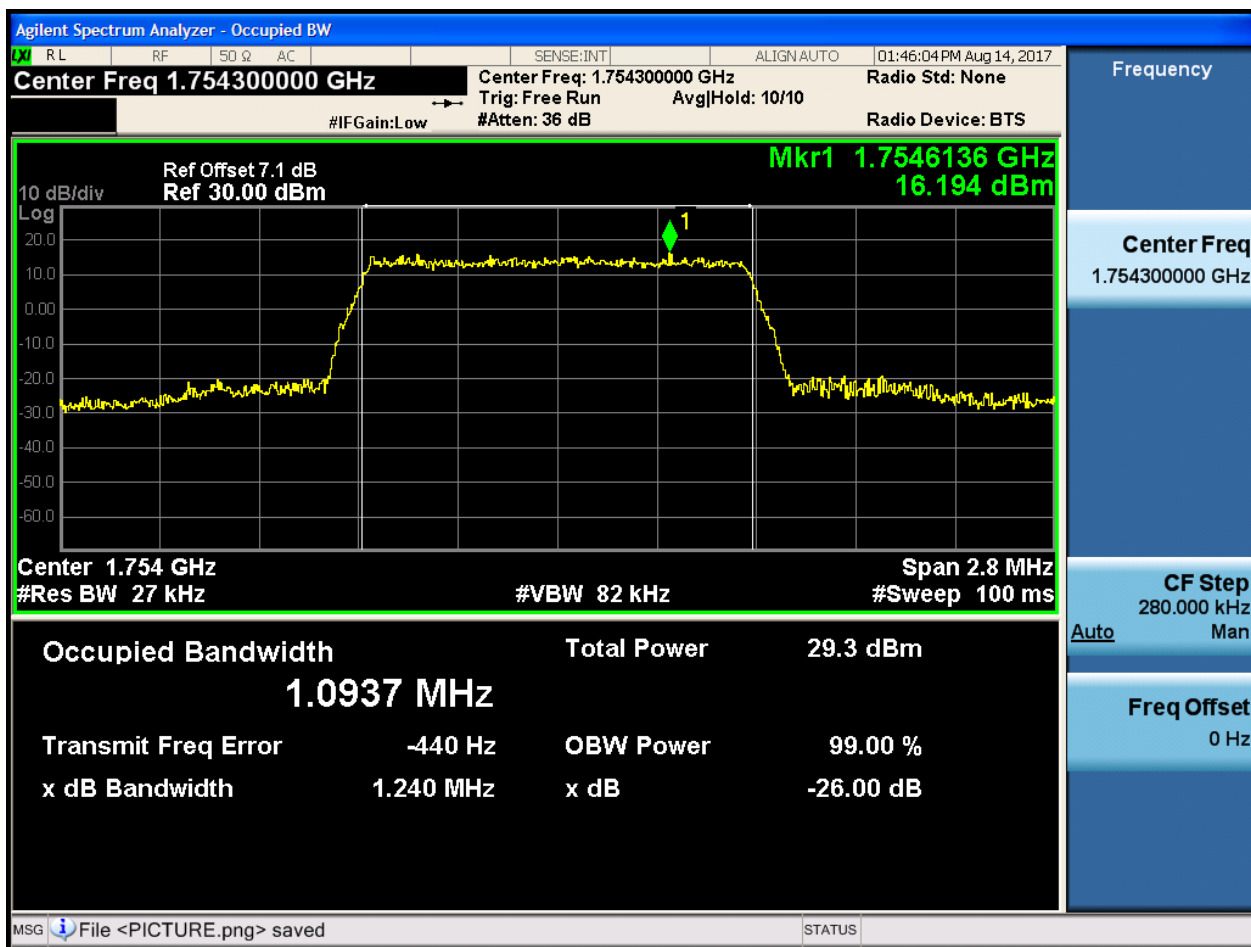
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

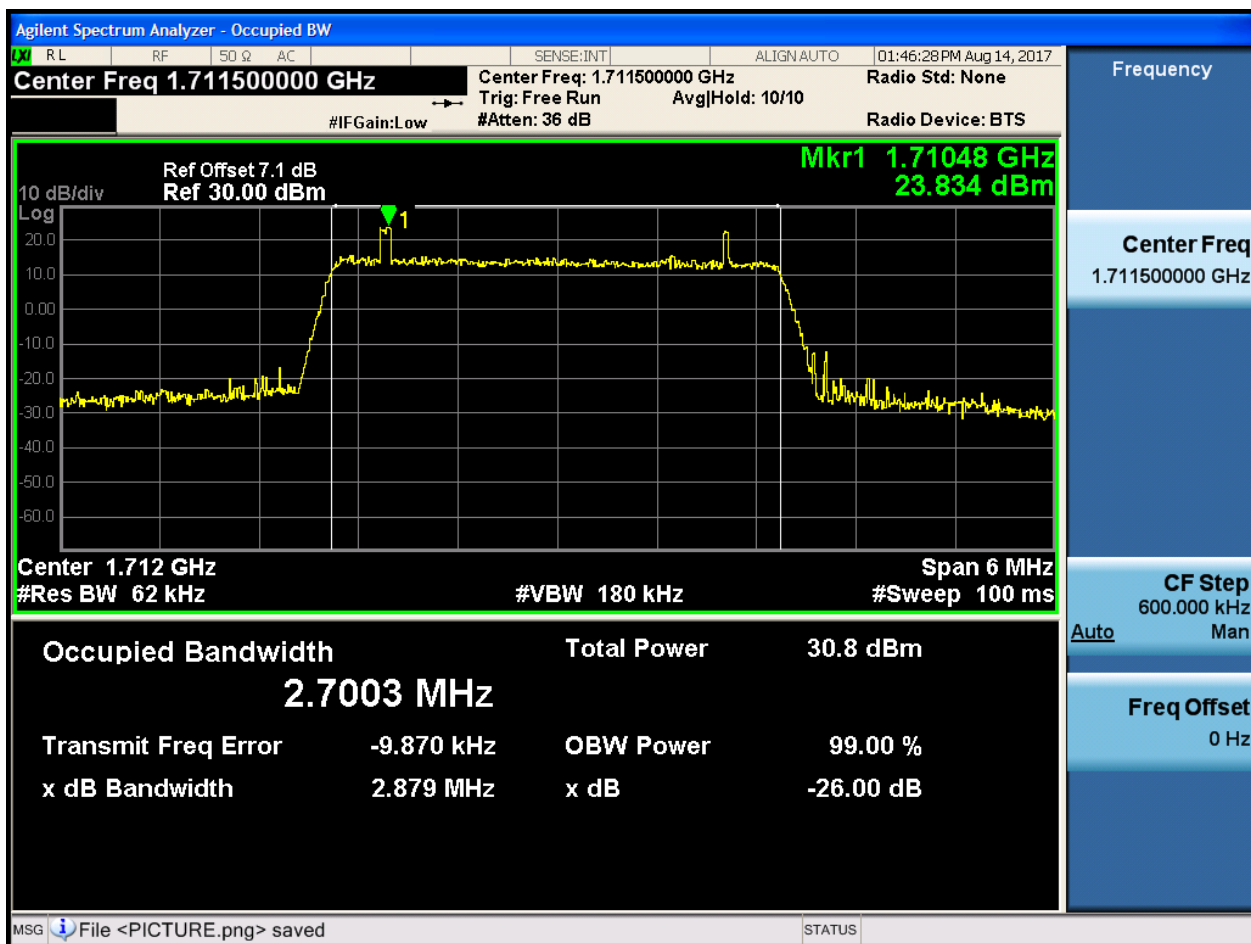




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

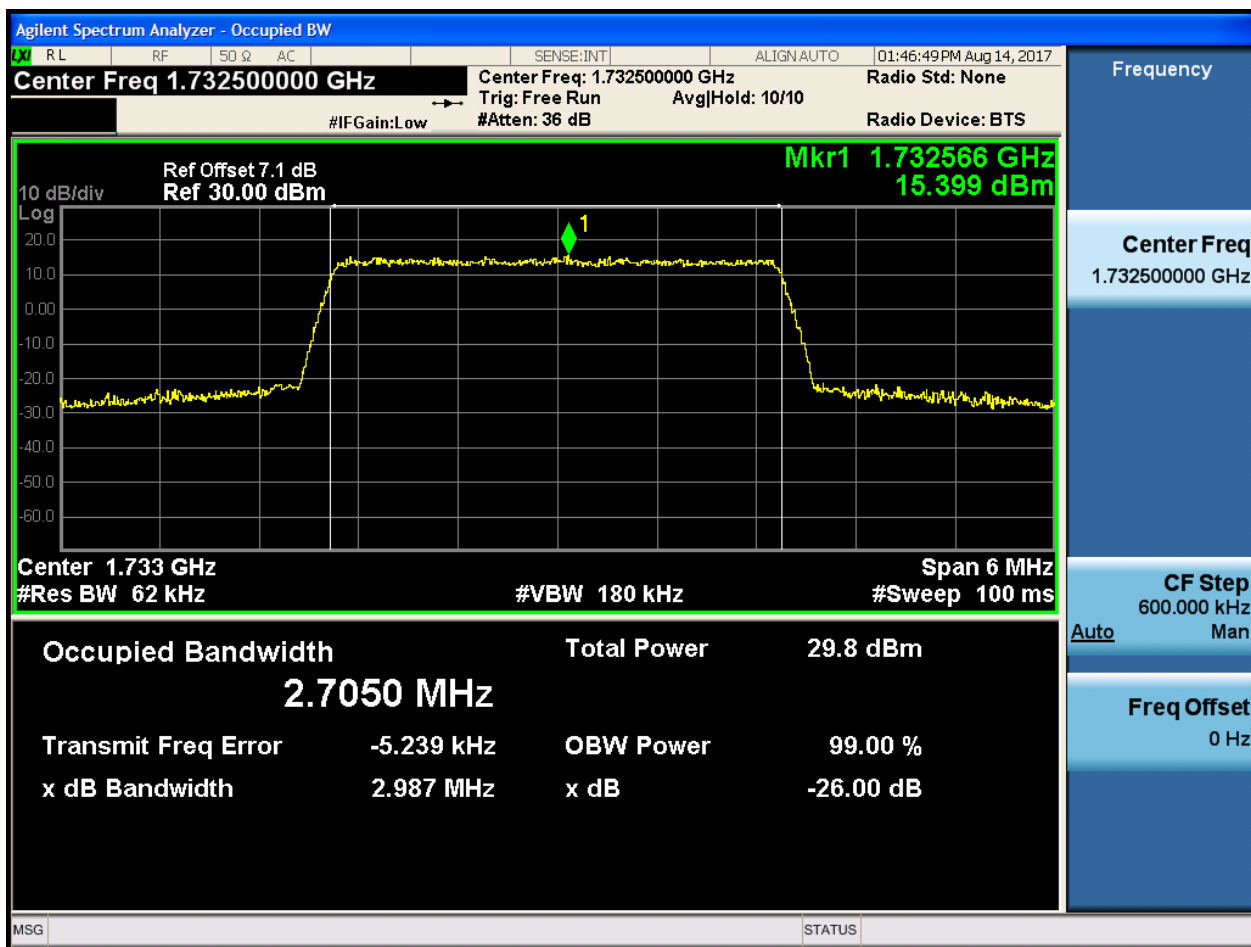
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

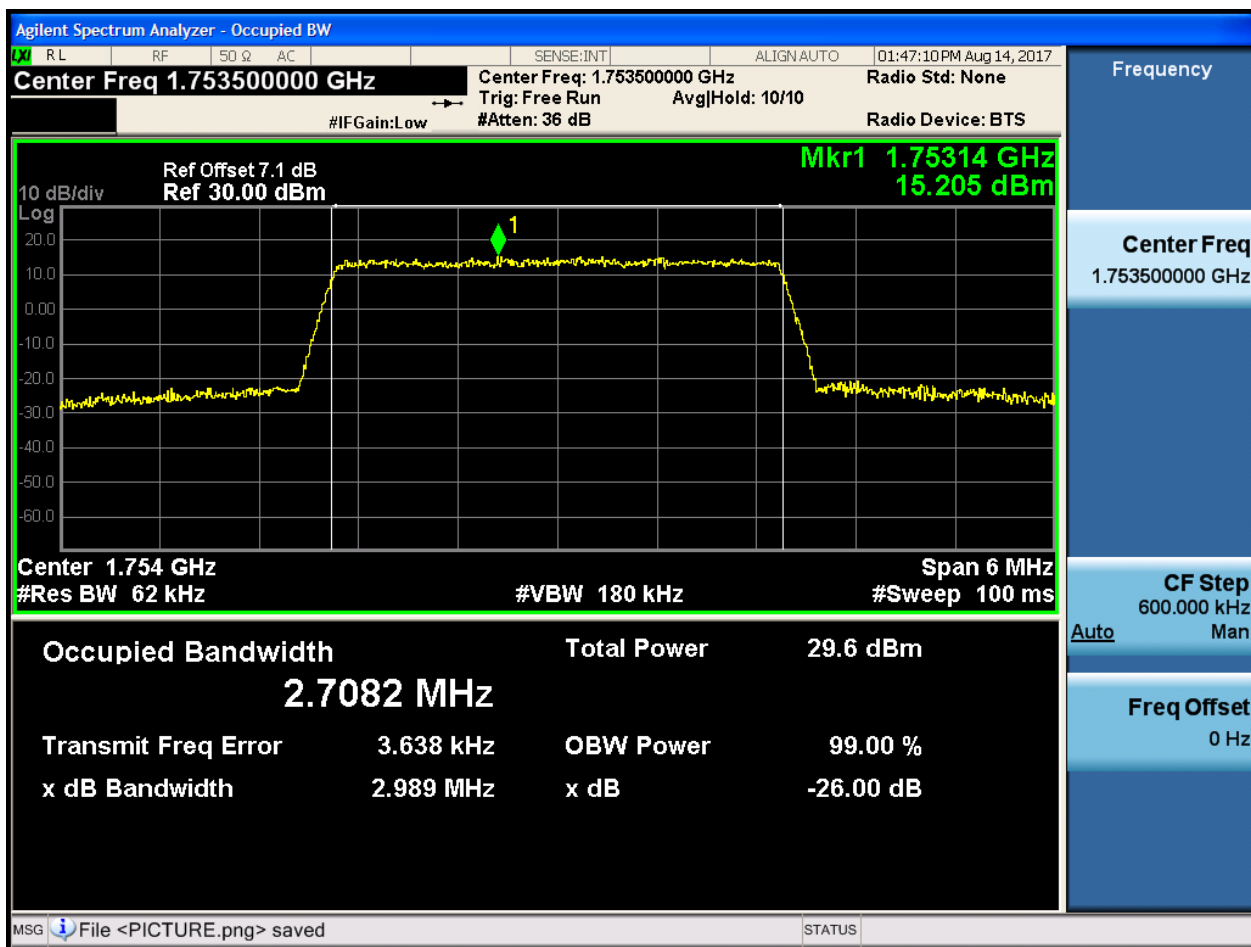
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

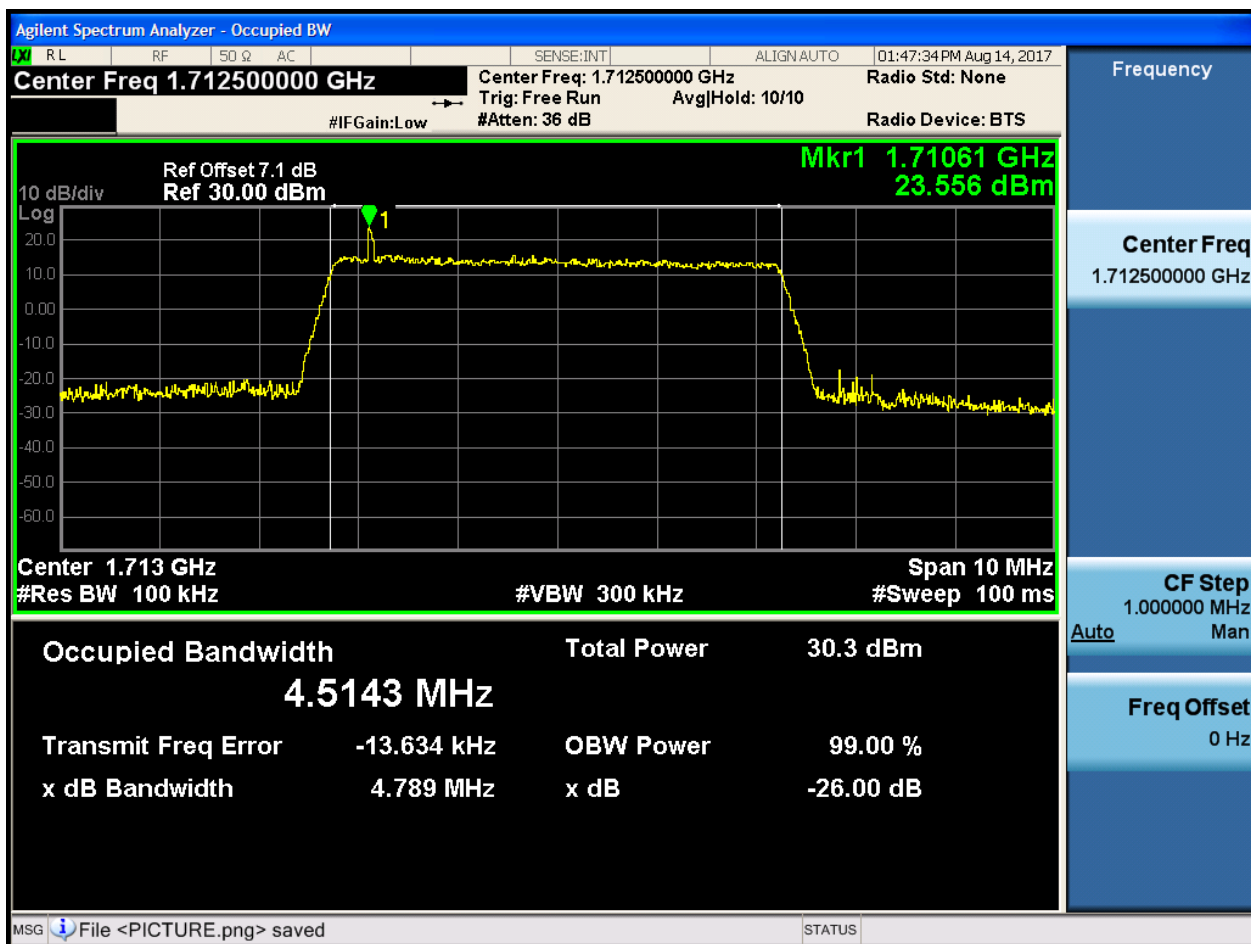




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

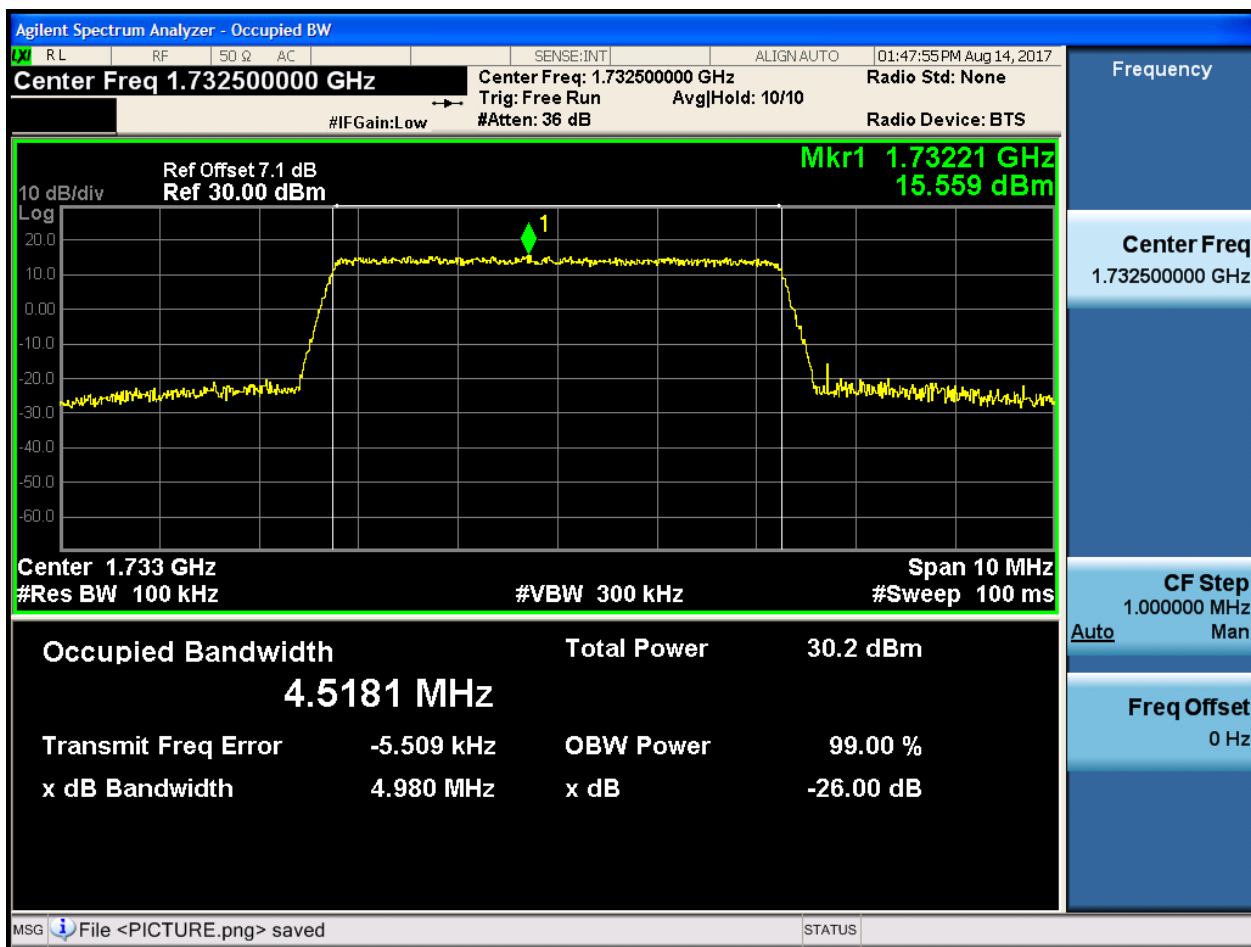
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

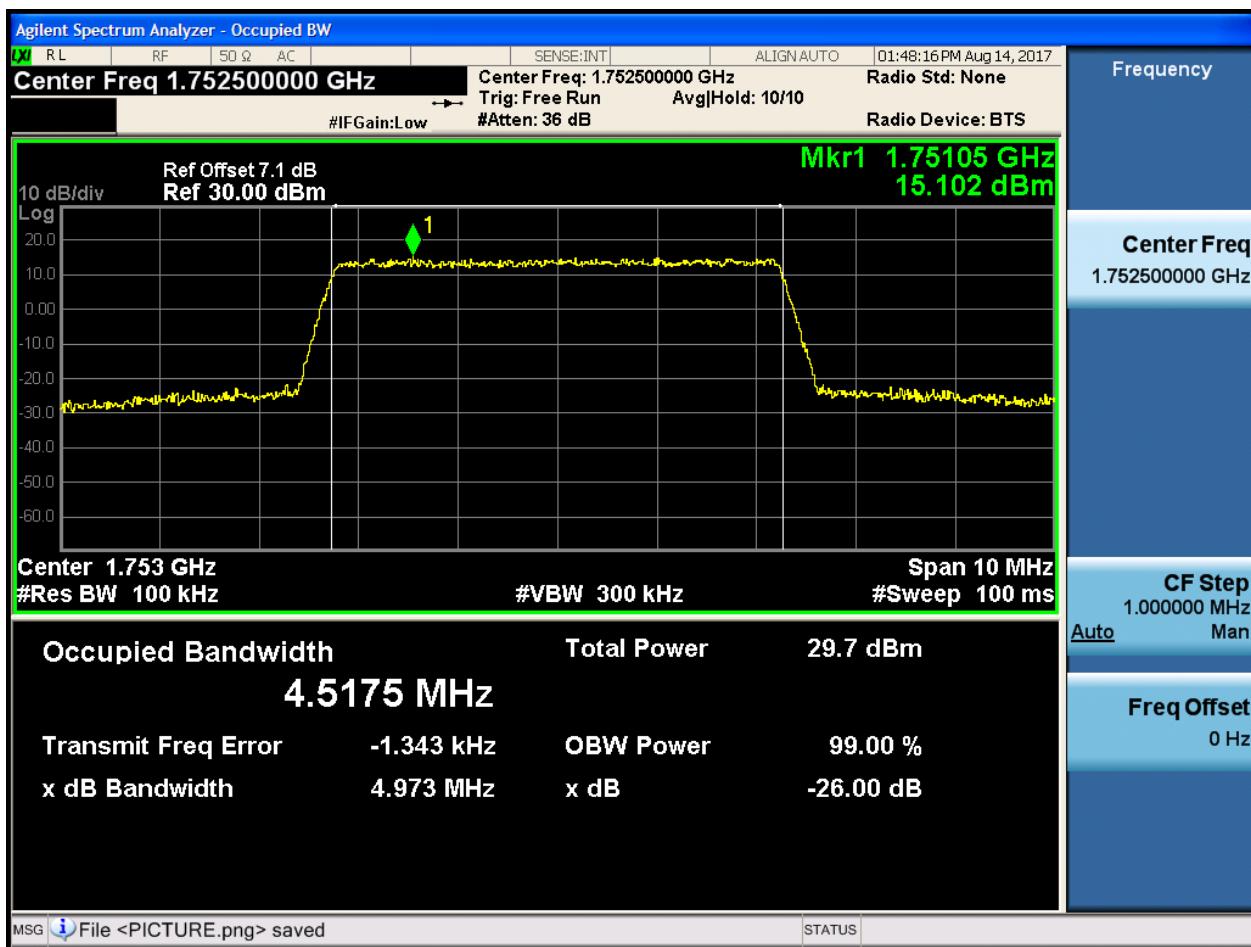
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

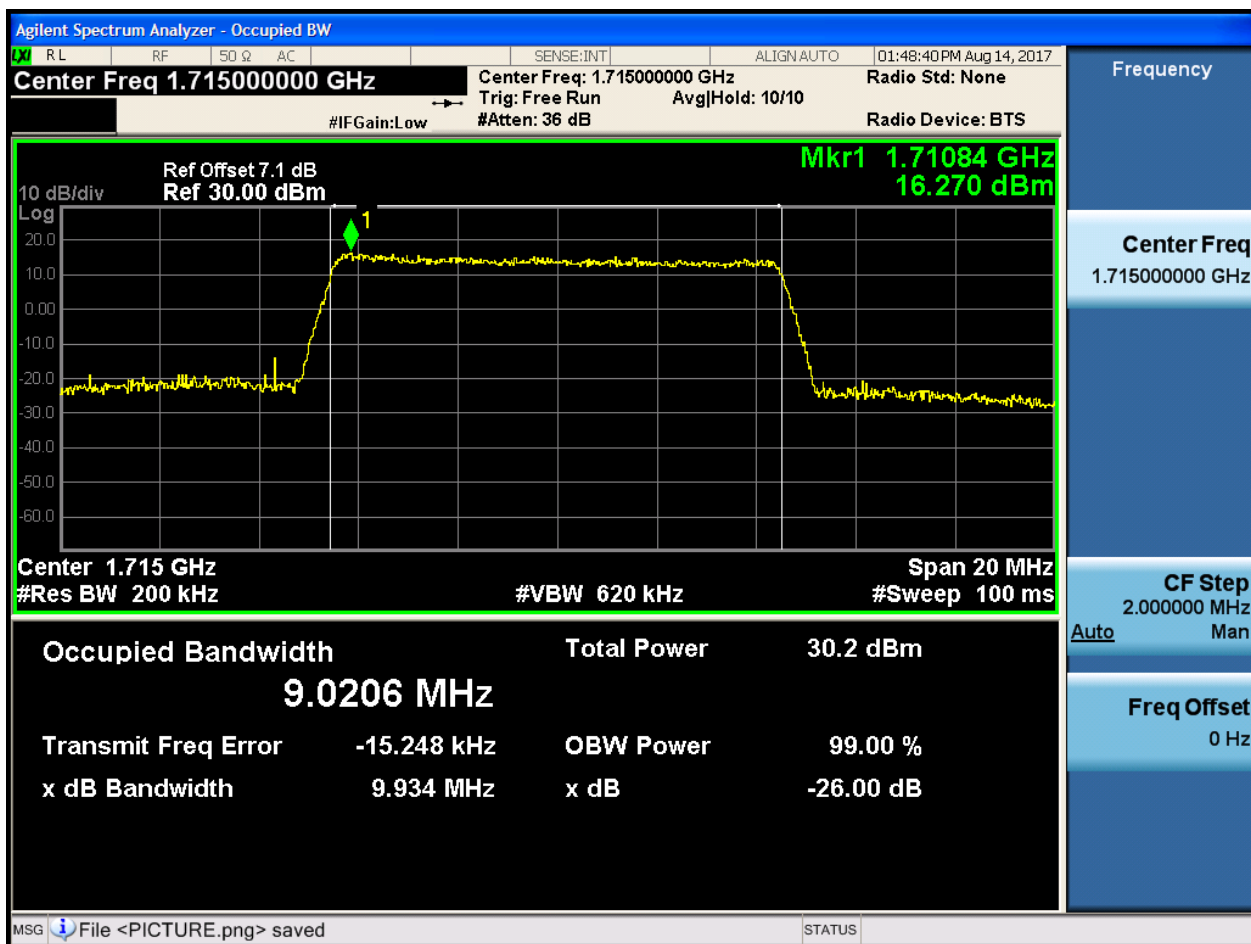




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

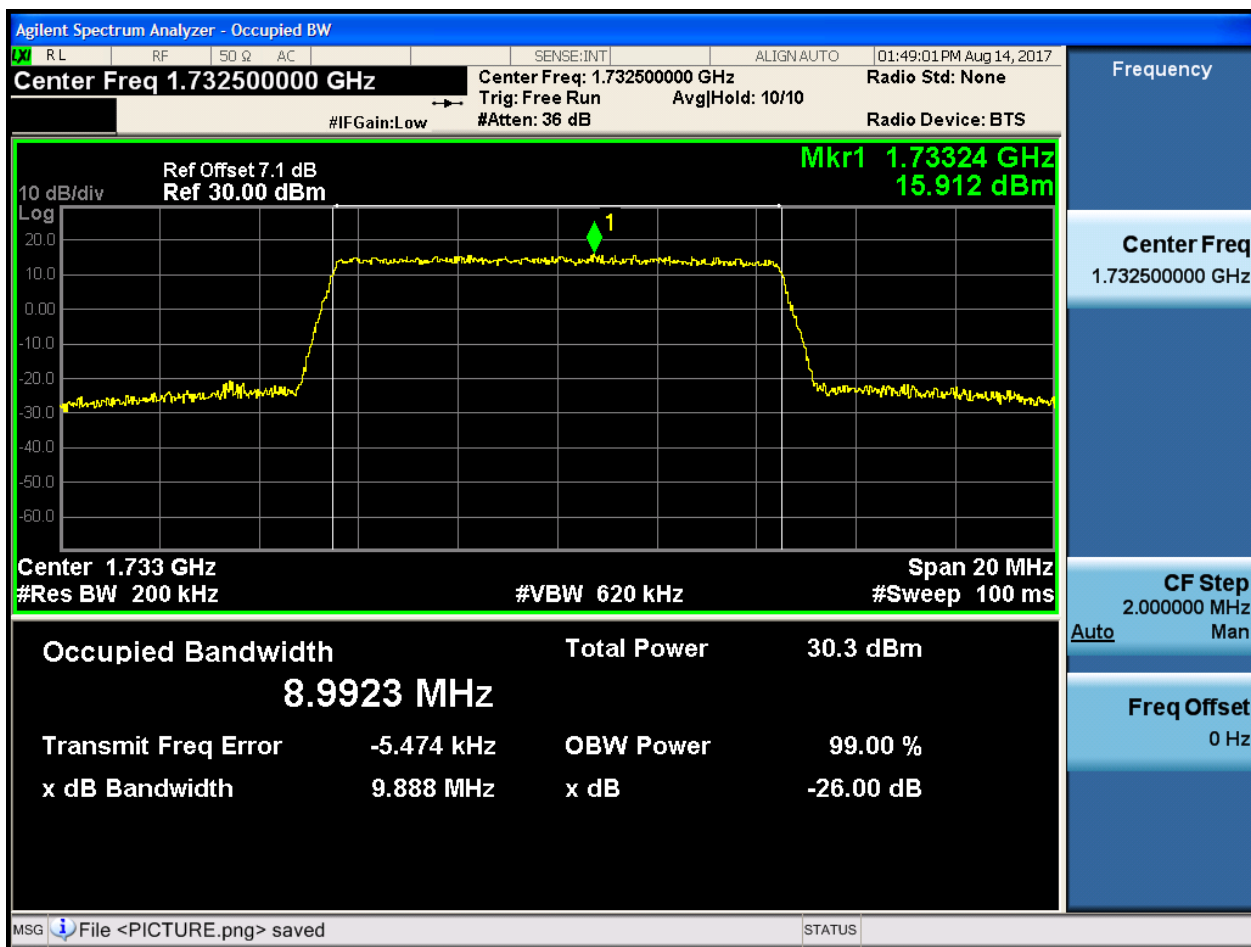
4.1.1.2.4.1.1 Test RB = RB50#0





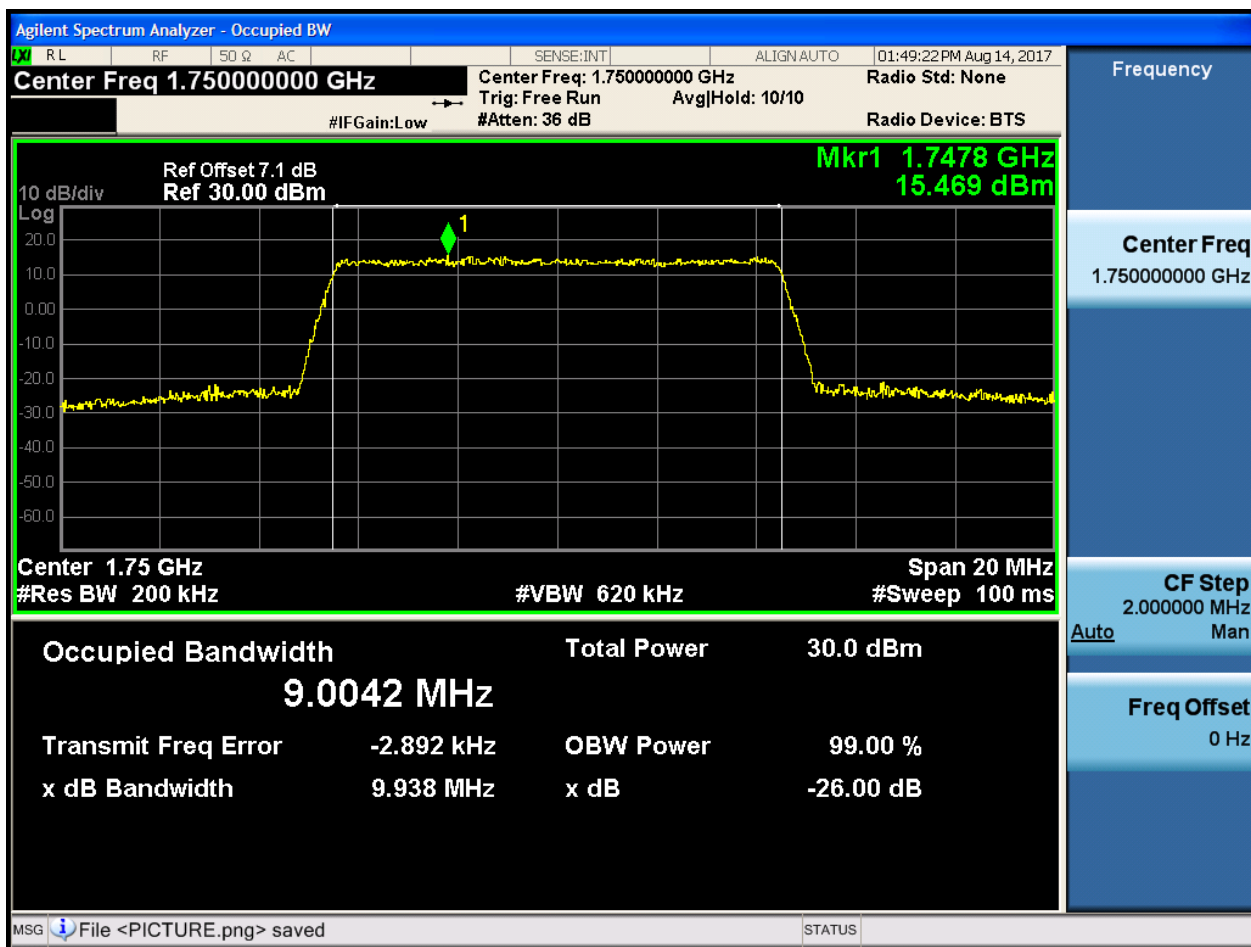
4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB50#0



4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

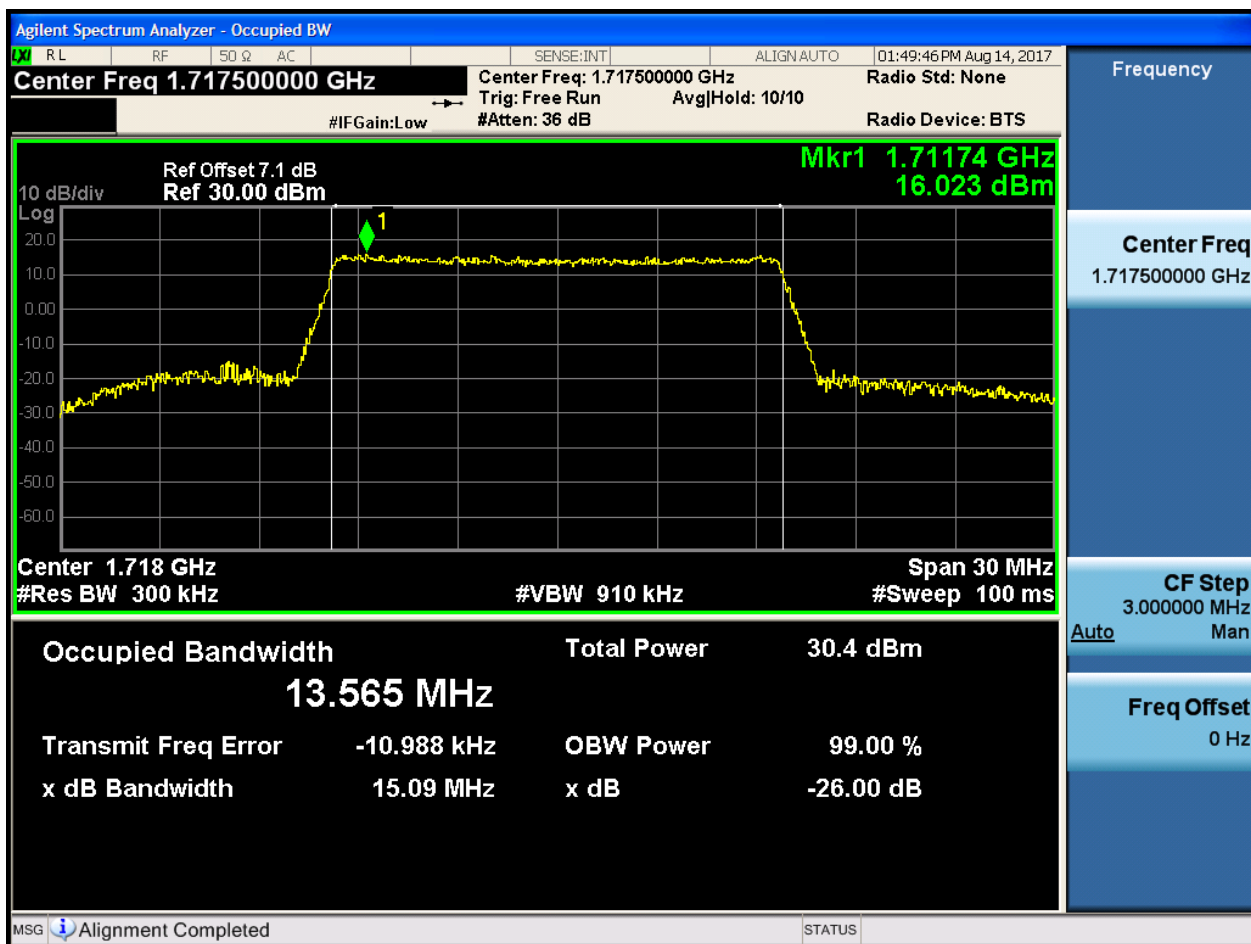




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

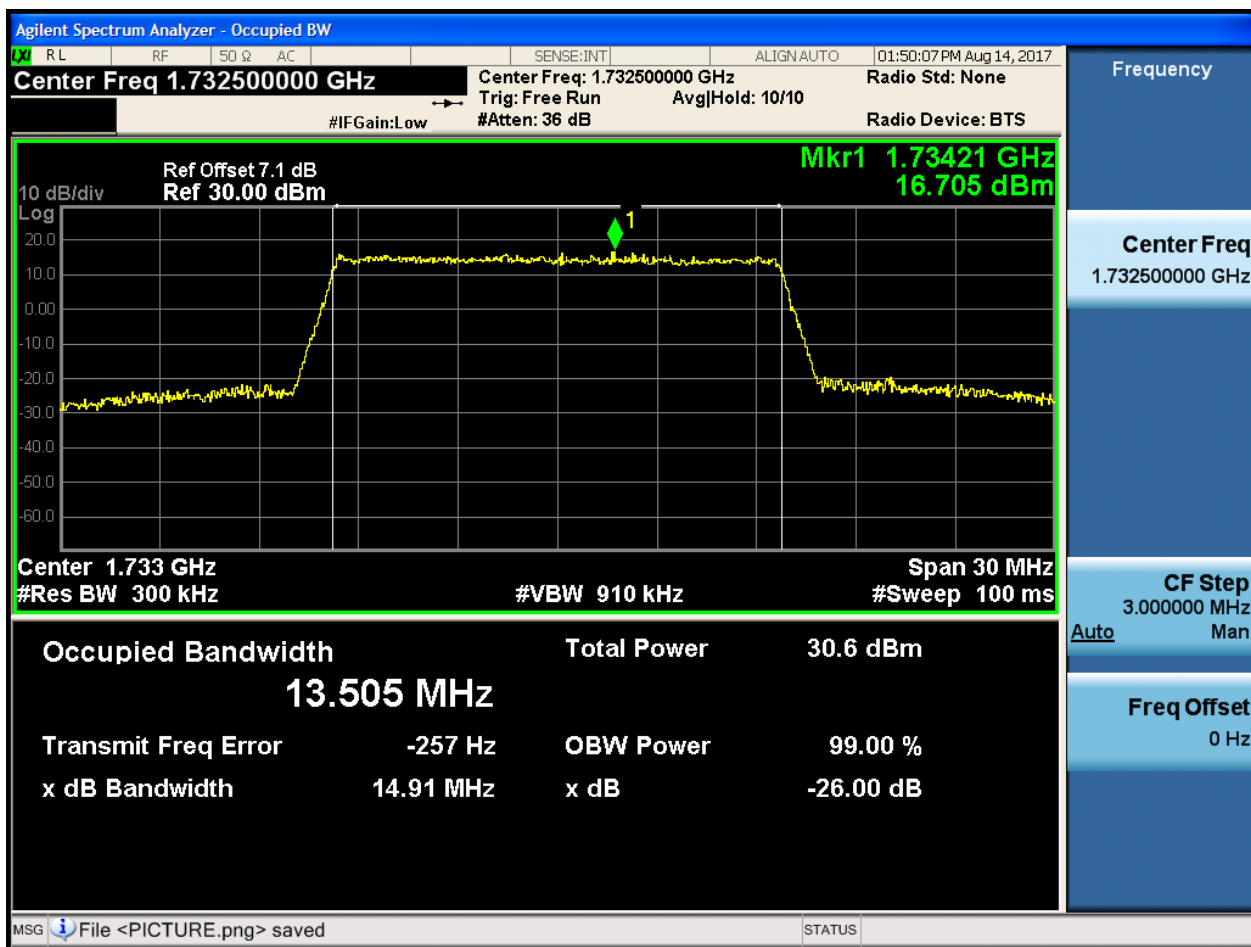
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

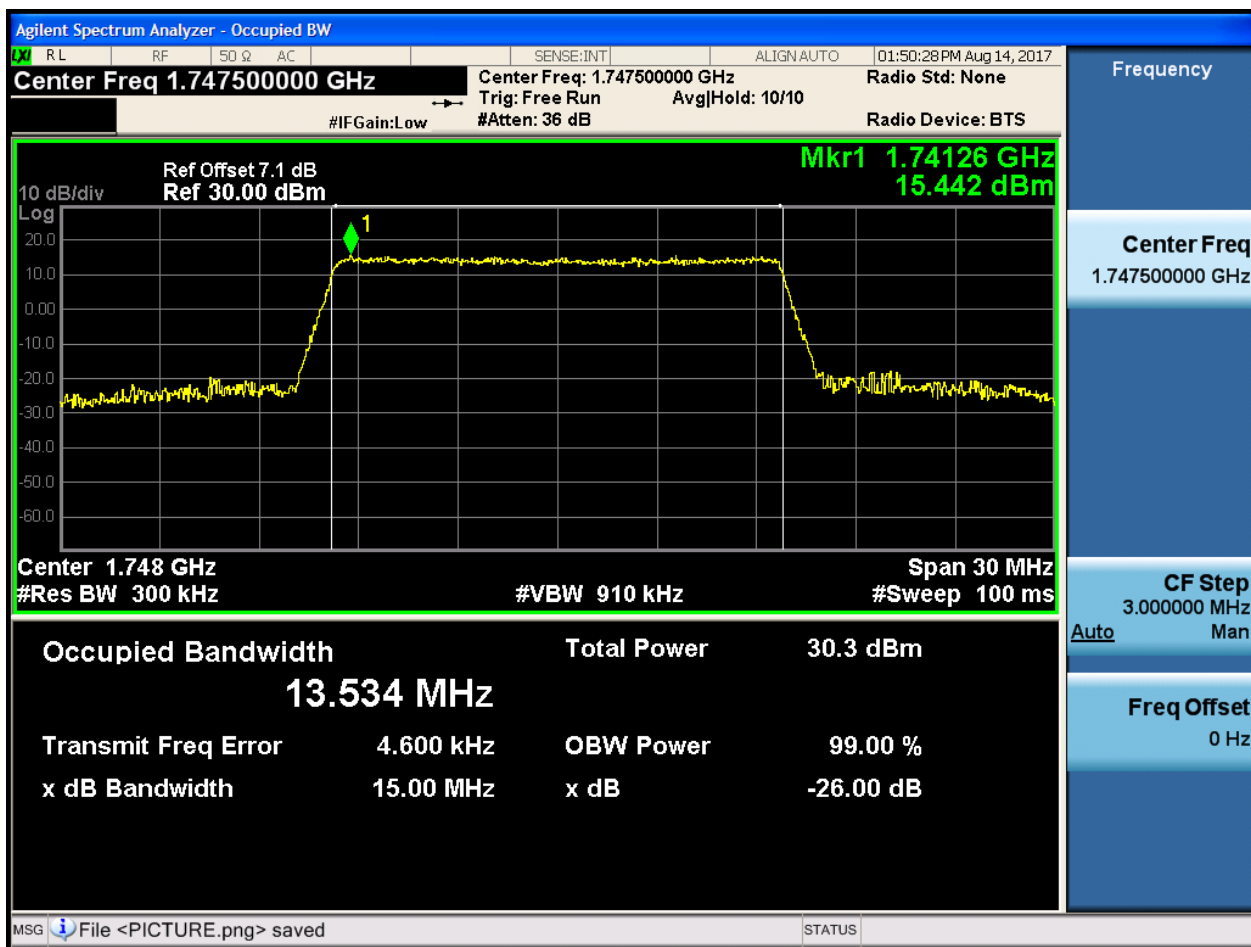
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

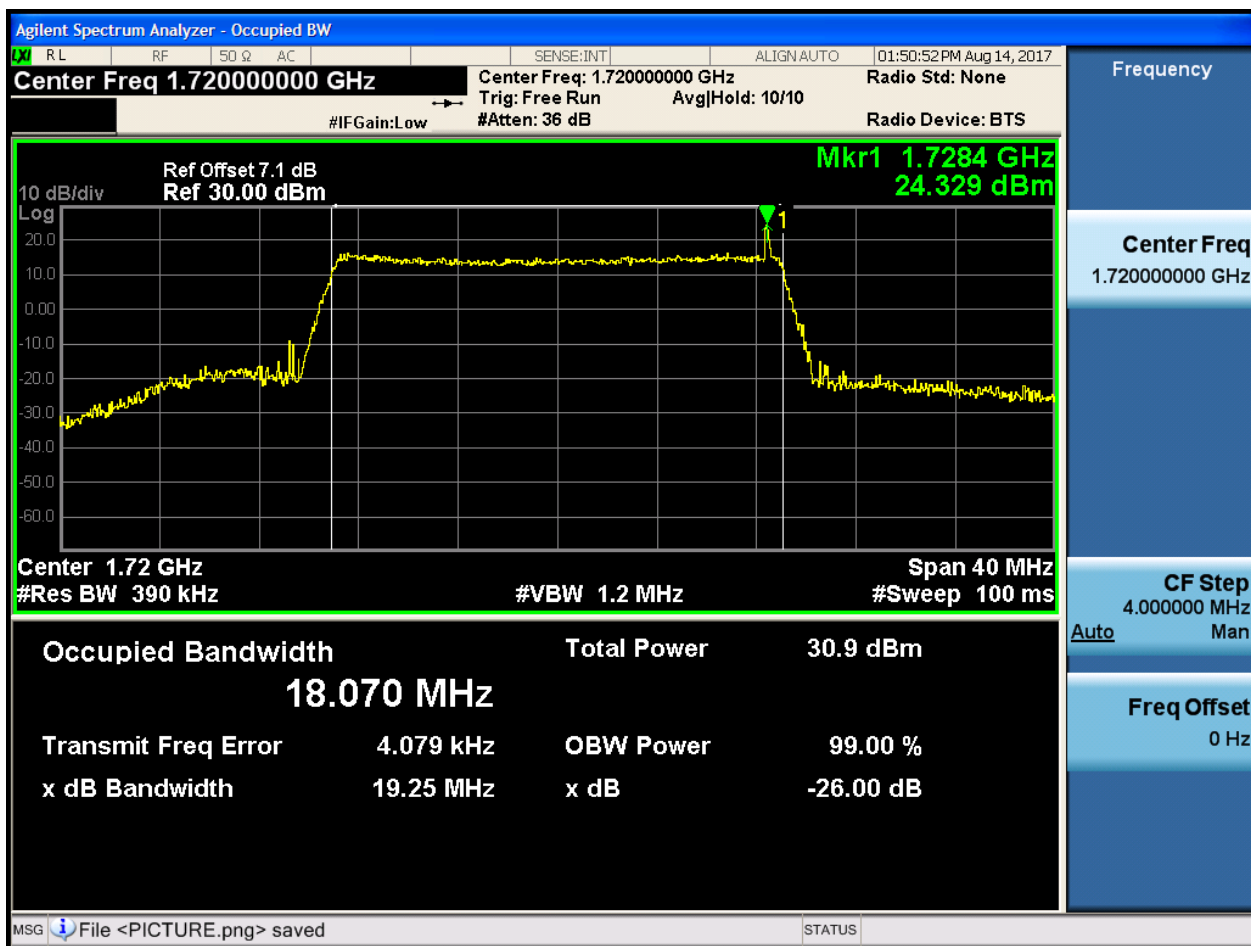




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

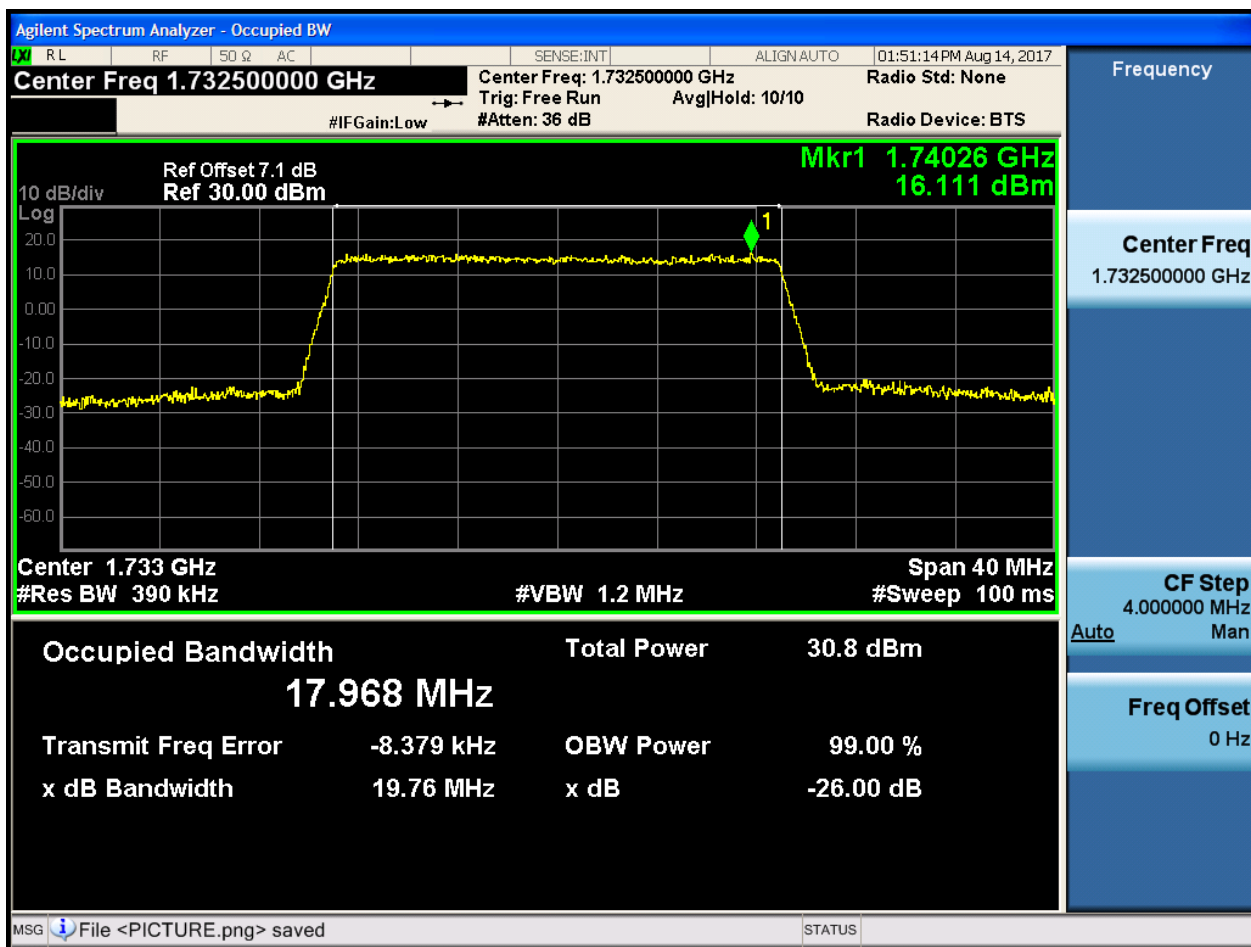
4.1.1.2.6.1.1 Test RB = RB100#0





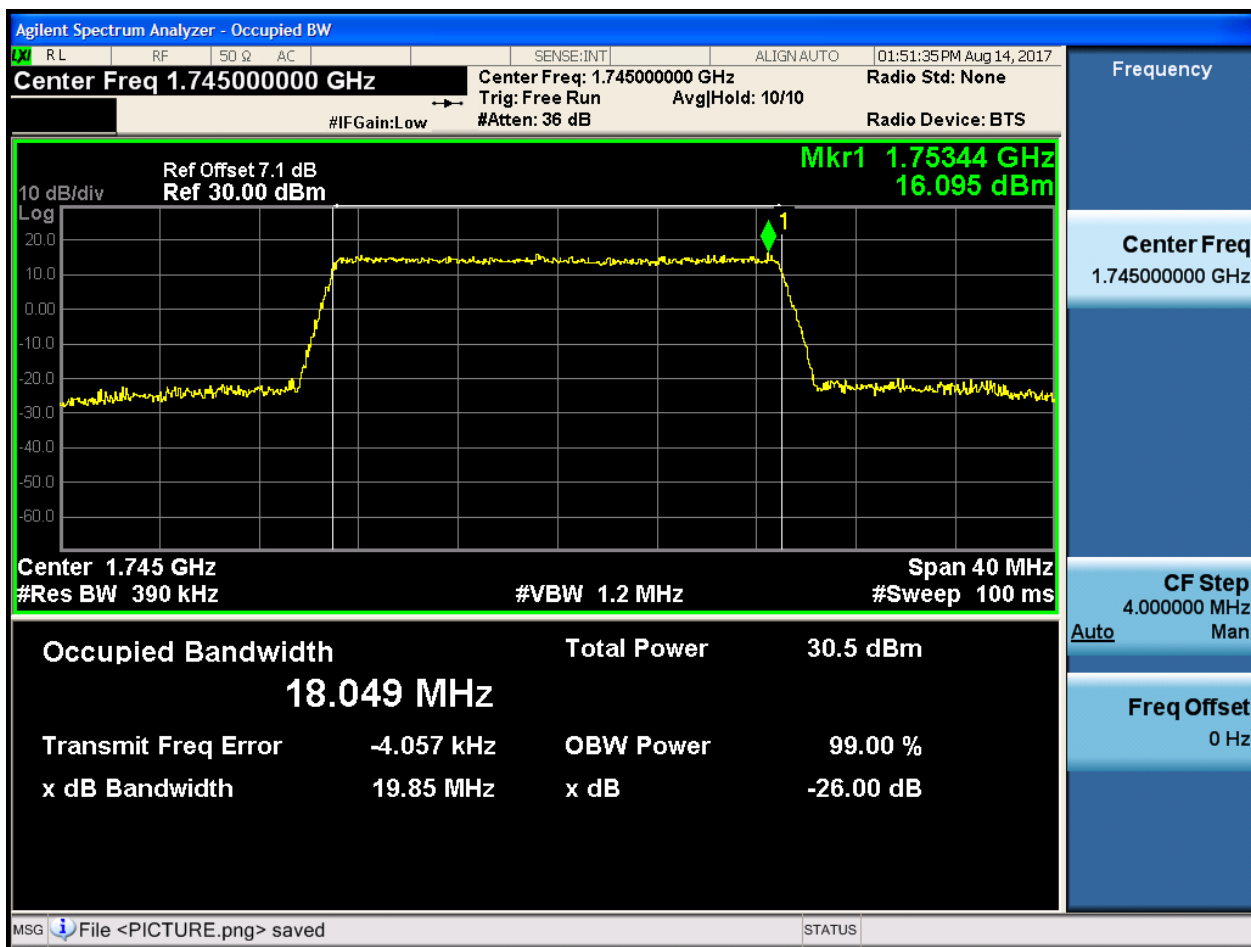
4.1.1.2.6.2 Test Channel = MCH

4.1.1.2.6.2.1 Test RB = RB100#0



4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

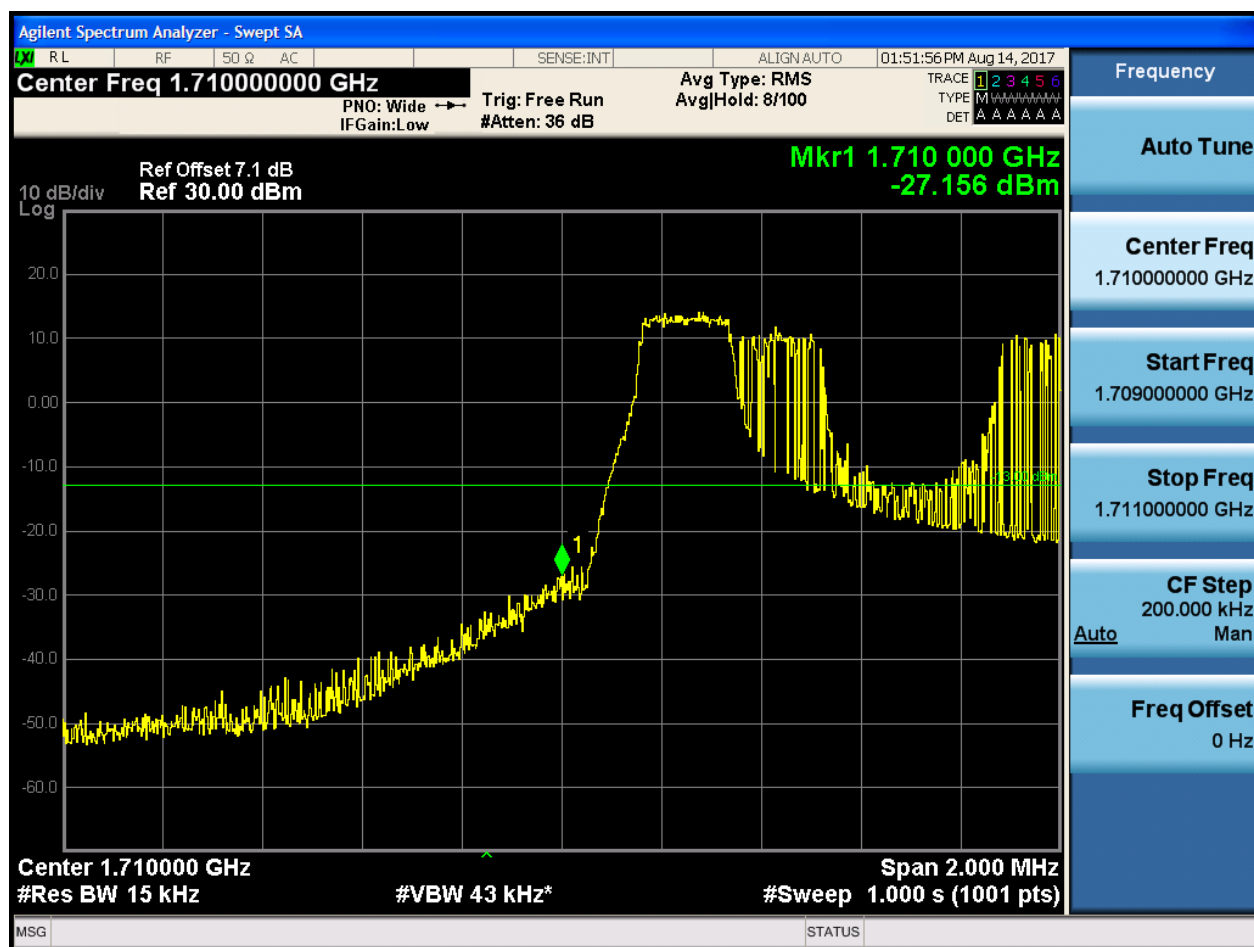
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

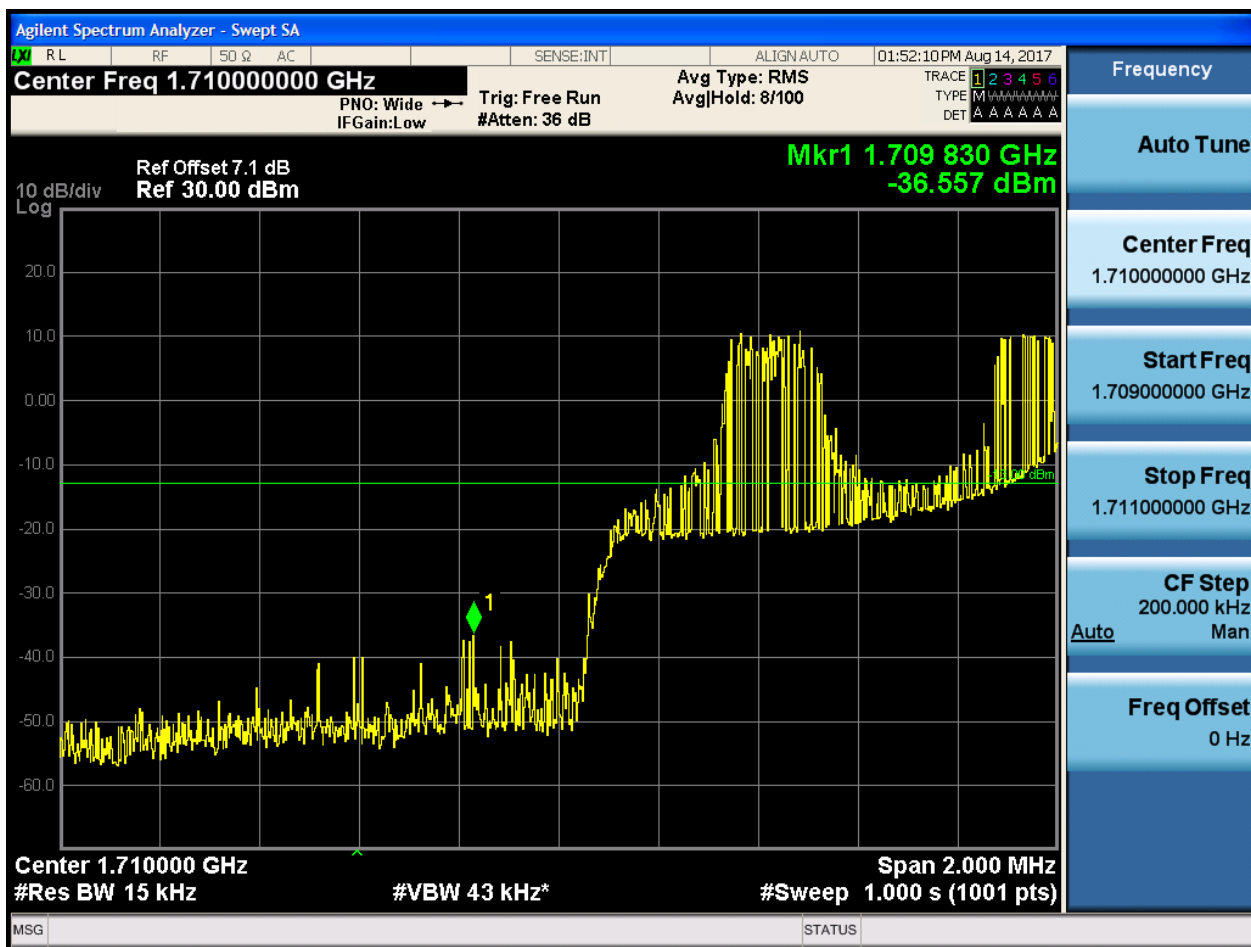
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5



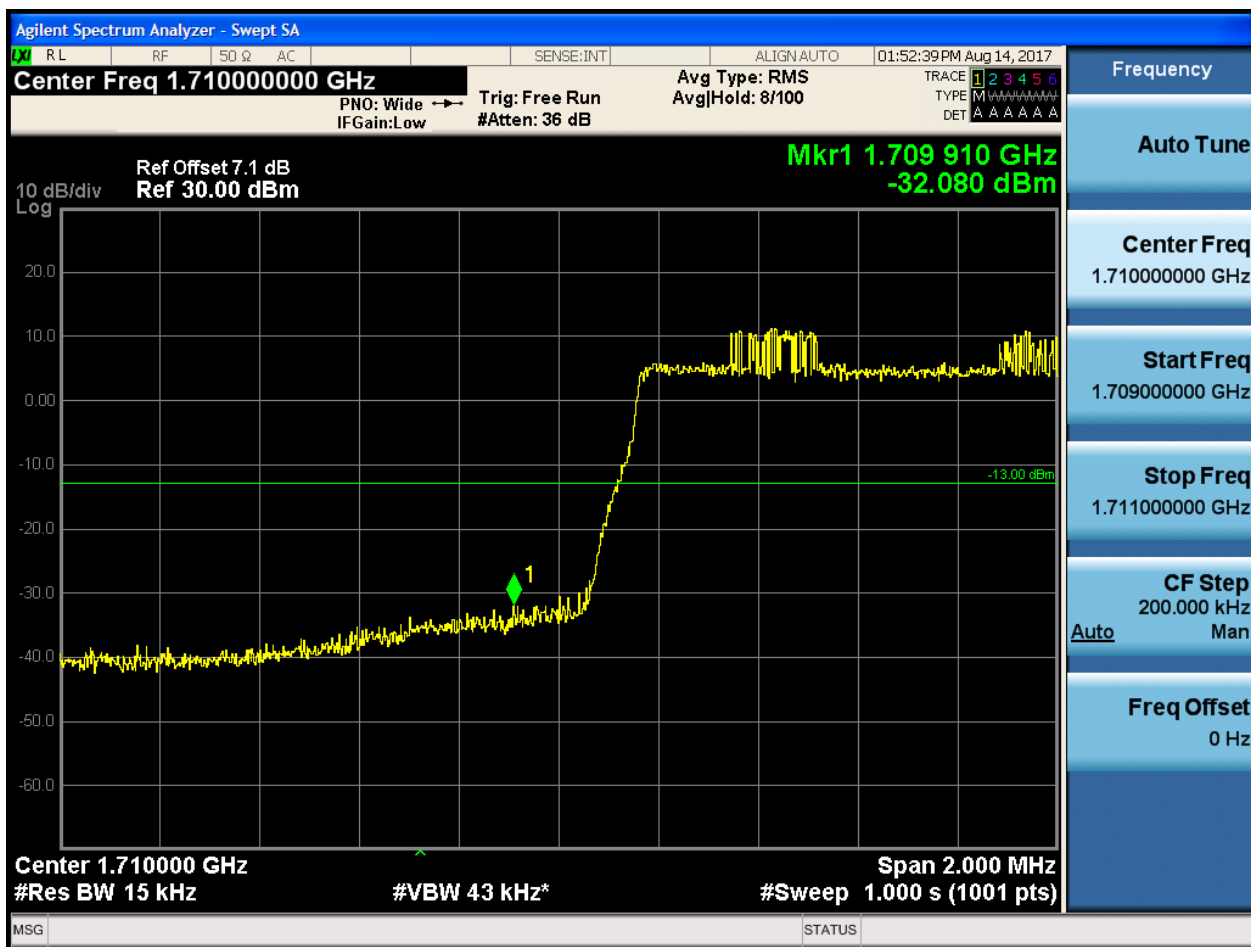


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





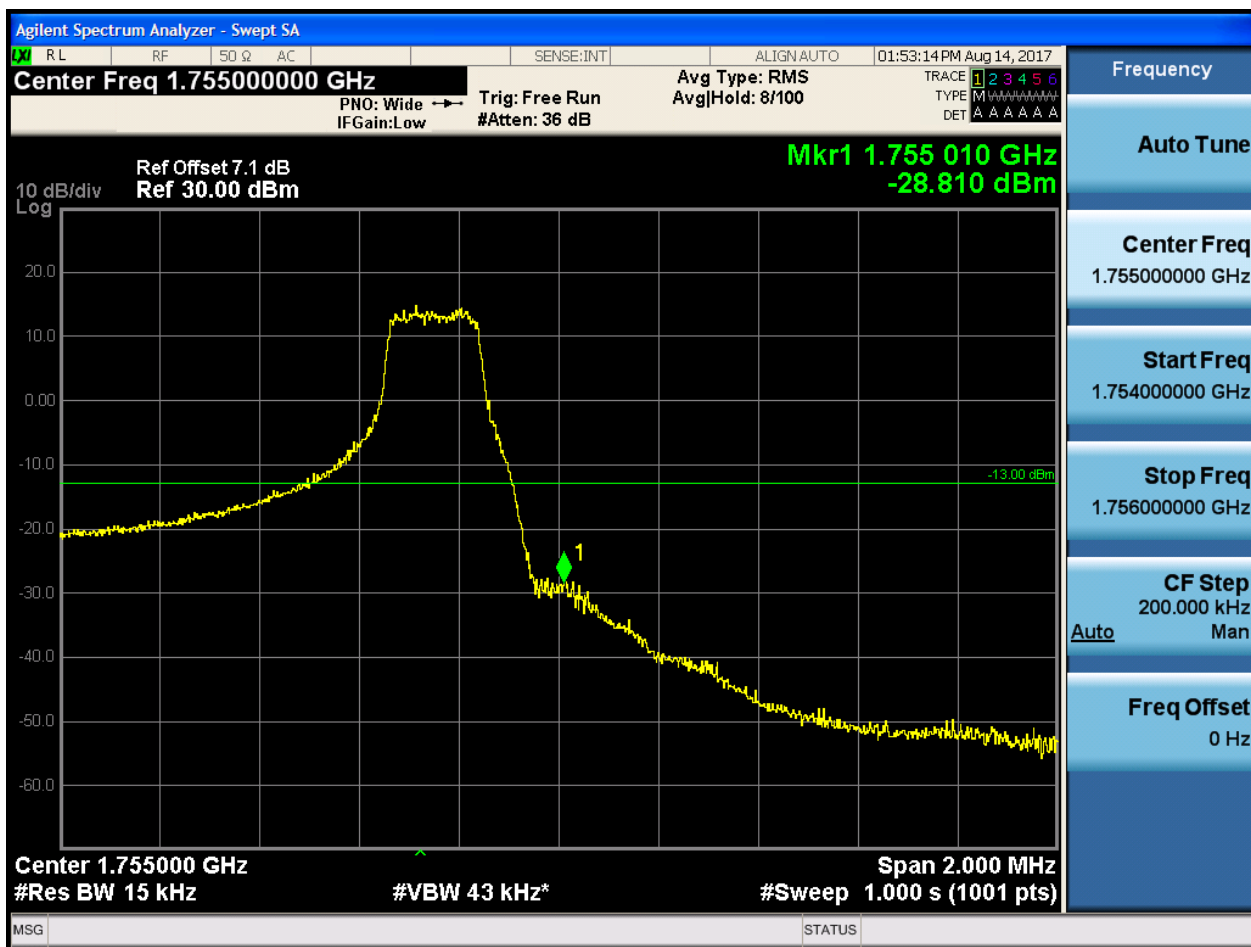
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.1.2.3 Test RB = RB3#2





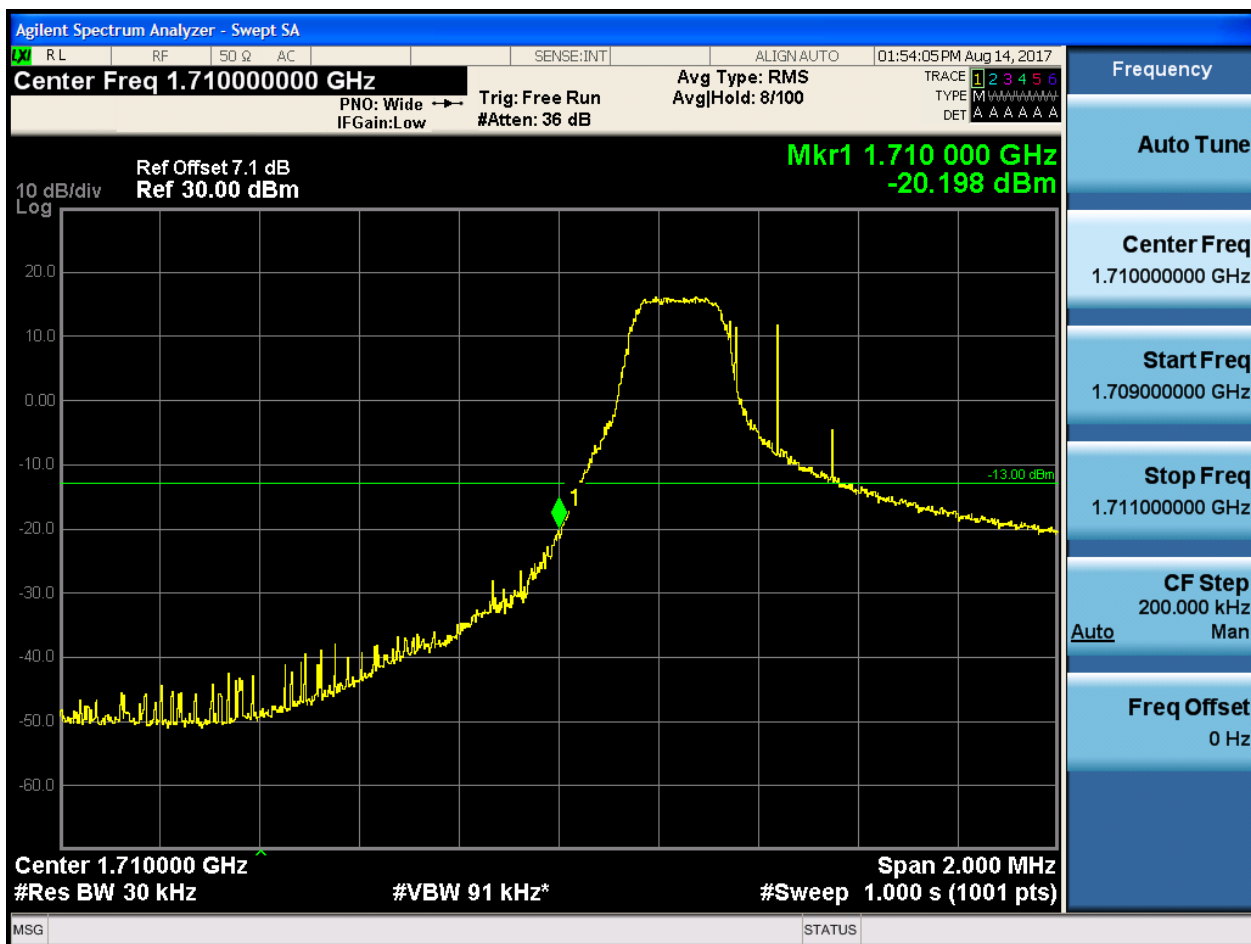
5.1.1.1.2.4 Test RB = RB6#0



5.1.1.1.2 Test Bandwidth = 3

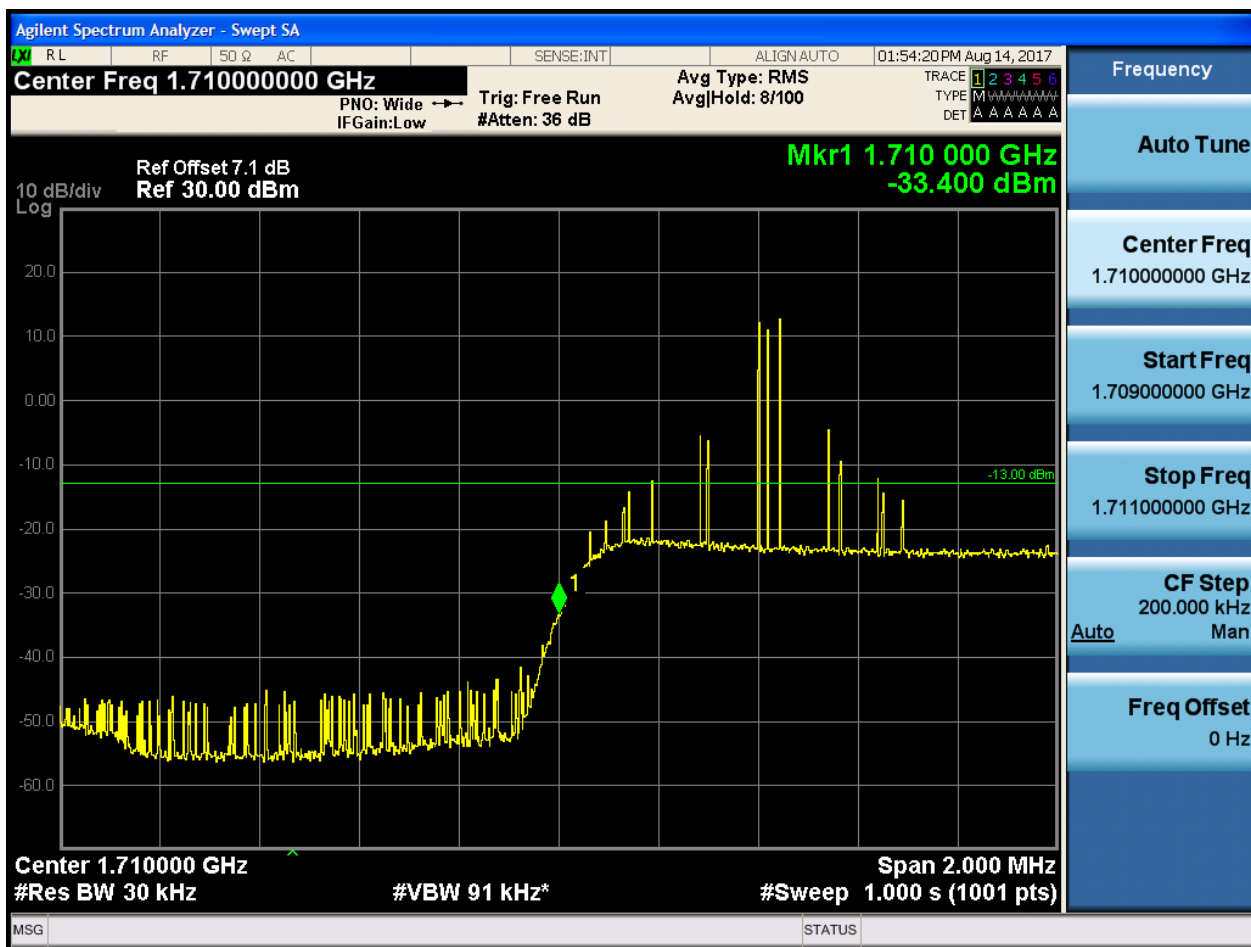
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



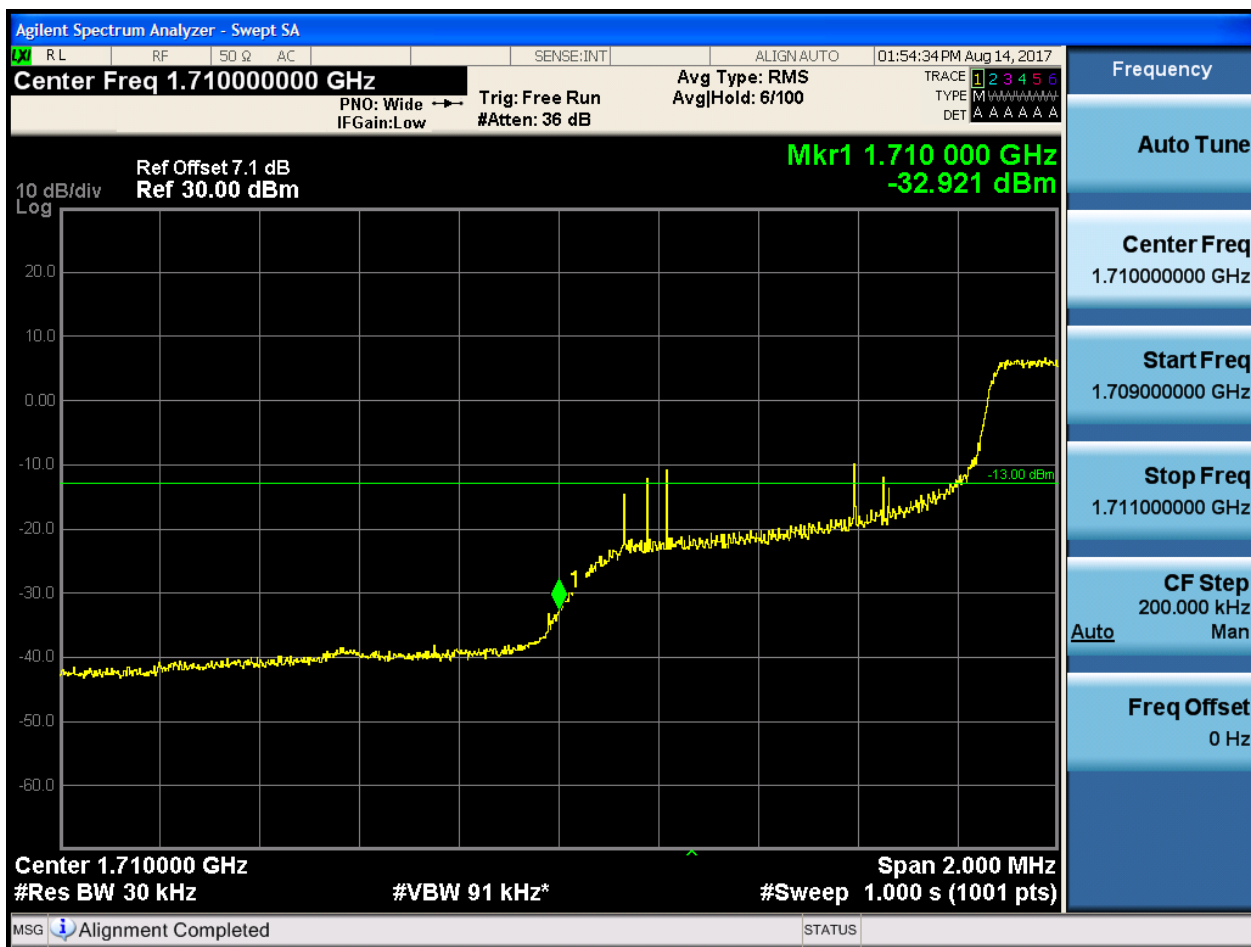


5.1.1.1.2.1.2 Test RB = RB1#14



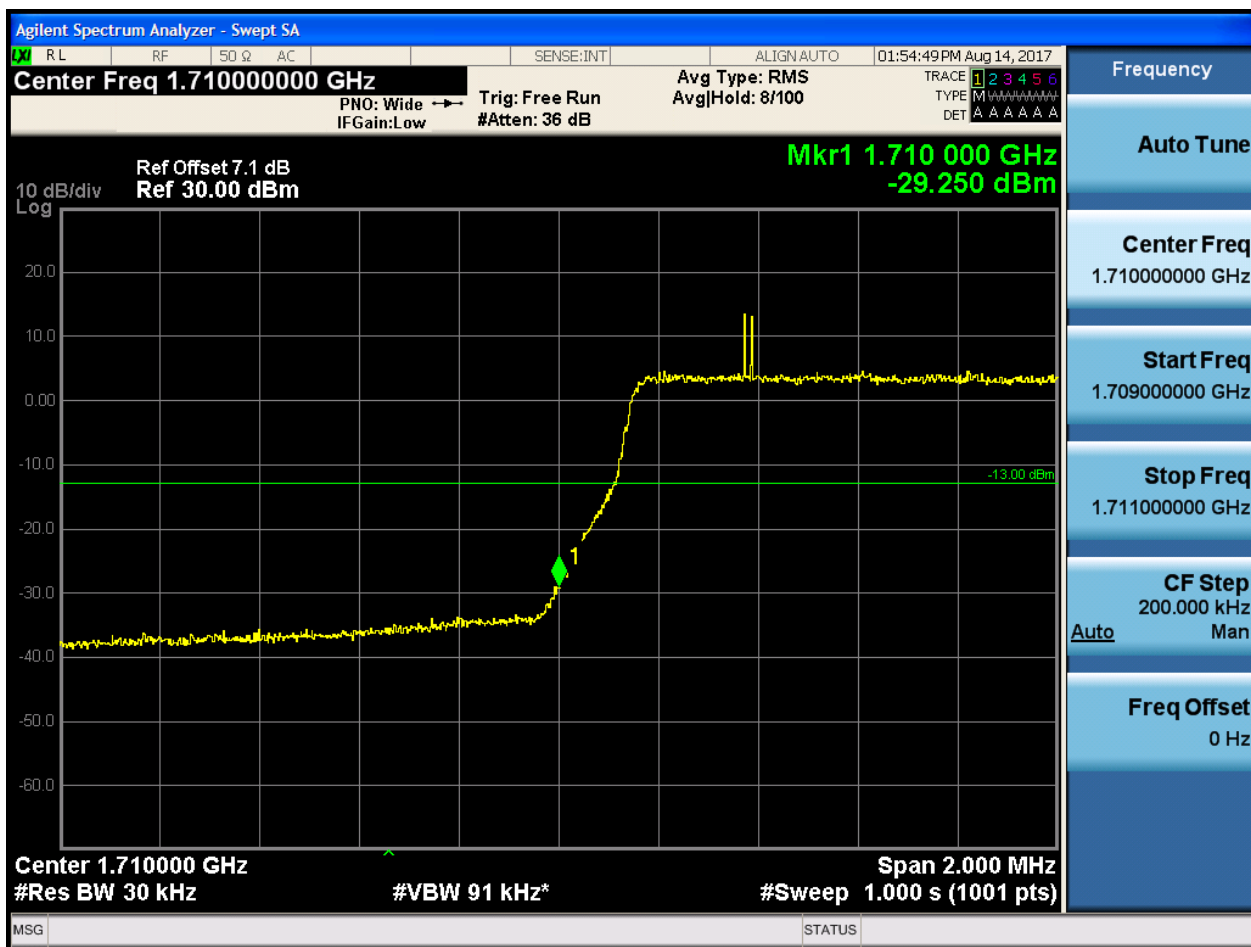


5.1.1.1.2.1.3 Test RB = RB8#4





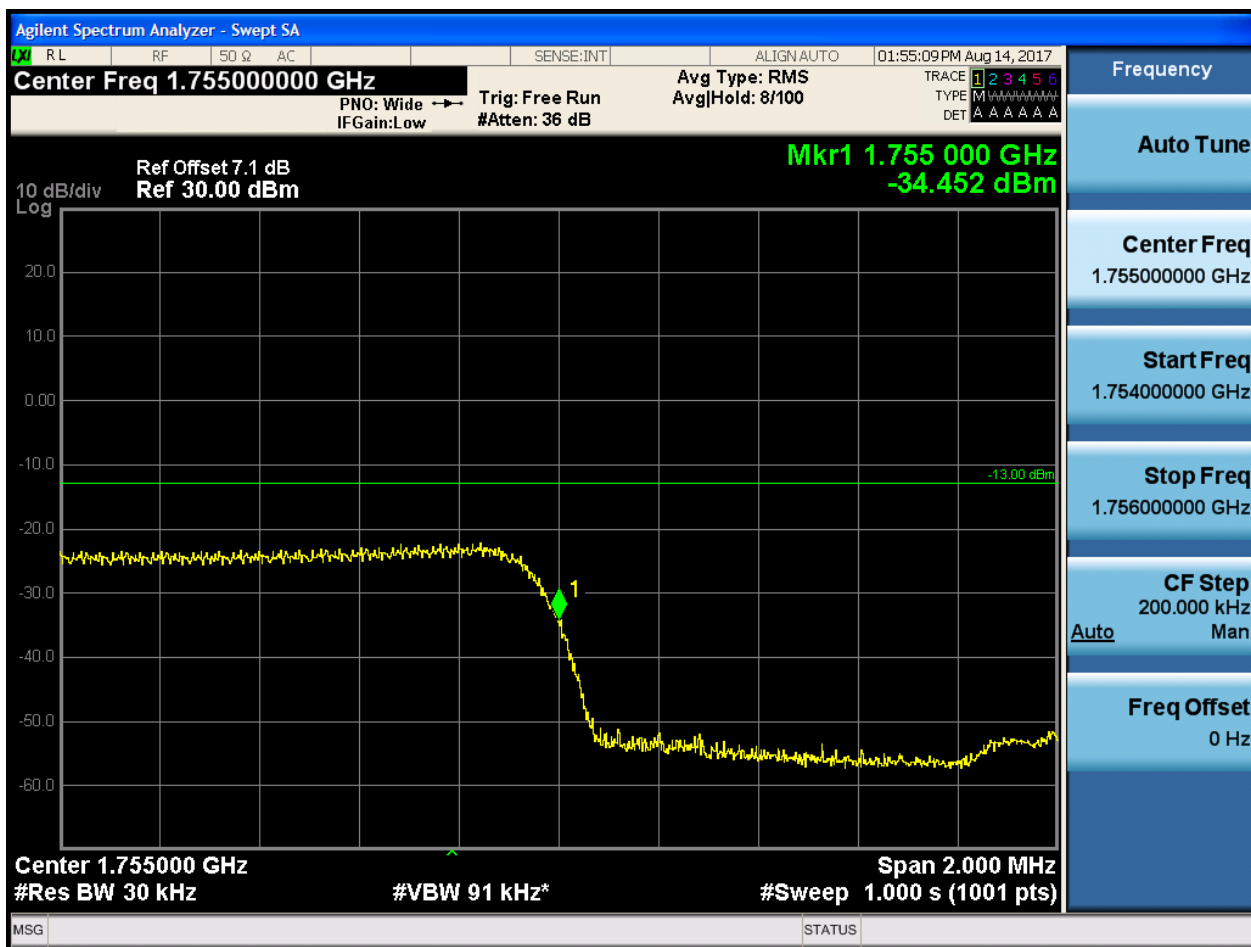
5.1.1.1.2.1.4 Test RB = RB15#0





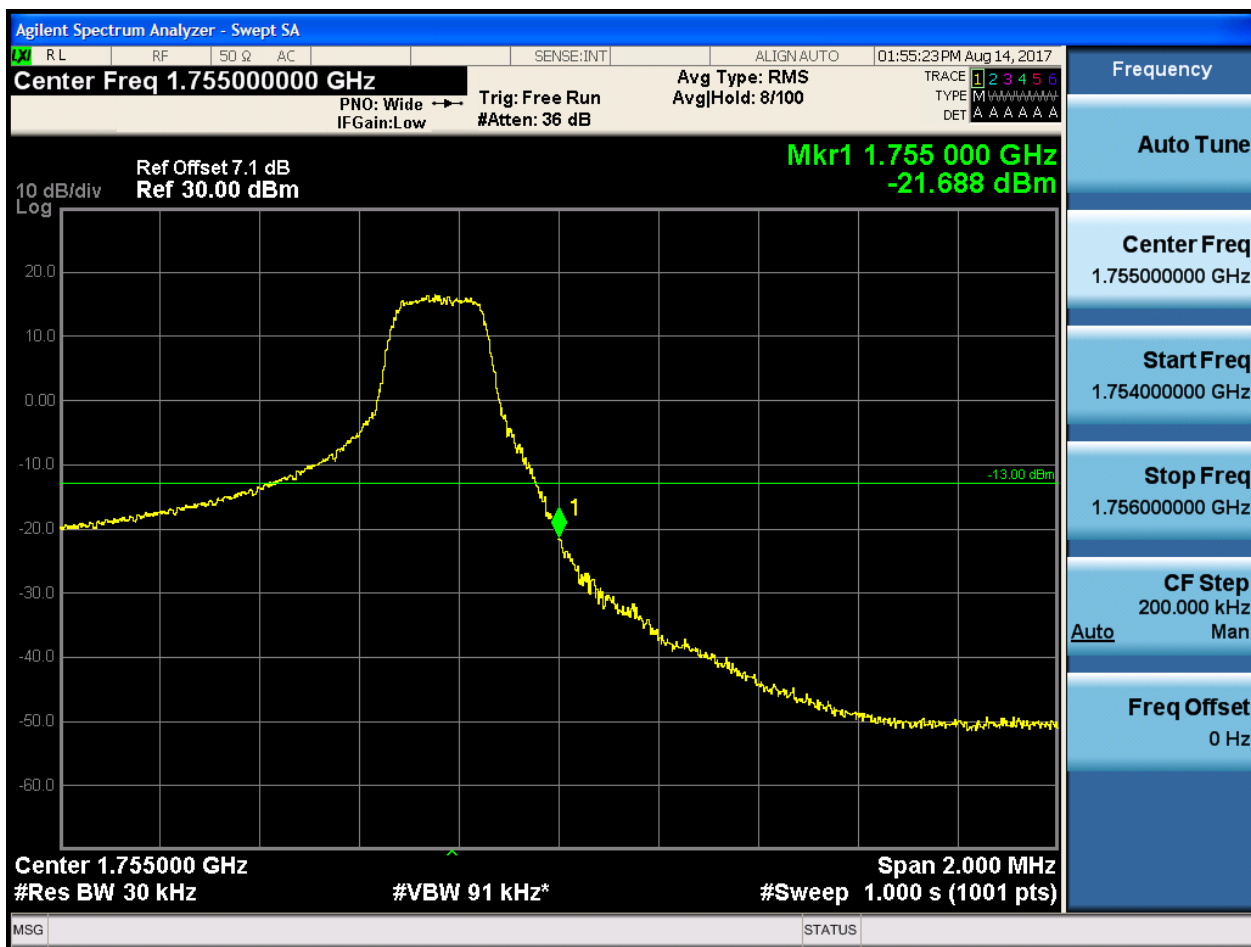
5.1.1.1.2.2 Test Channel = HCH

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 01:55:38 PM Aug 14, 2017

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
-32.293 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



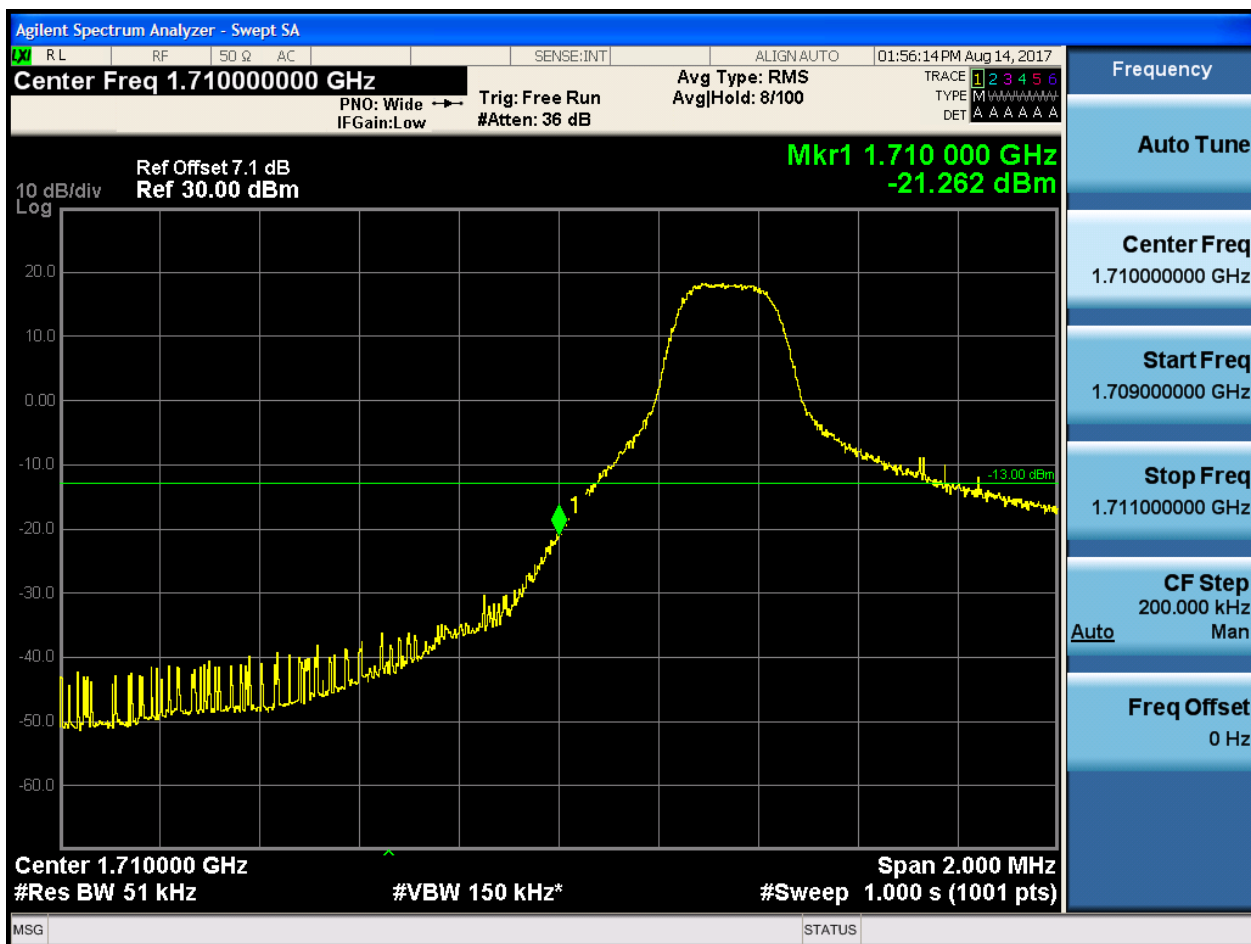
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

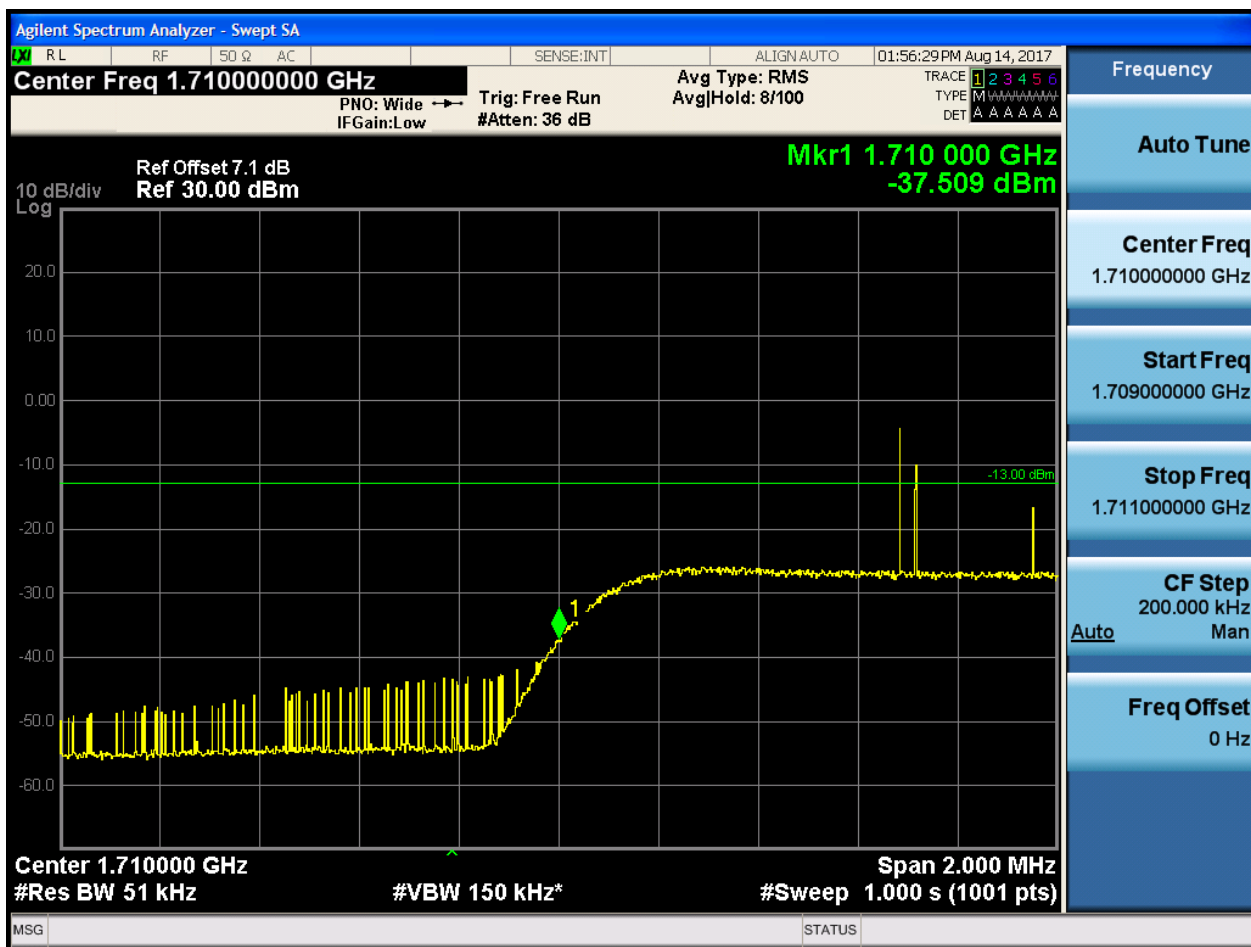
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



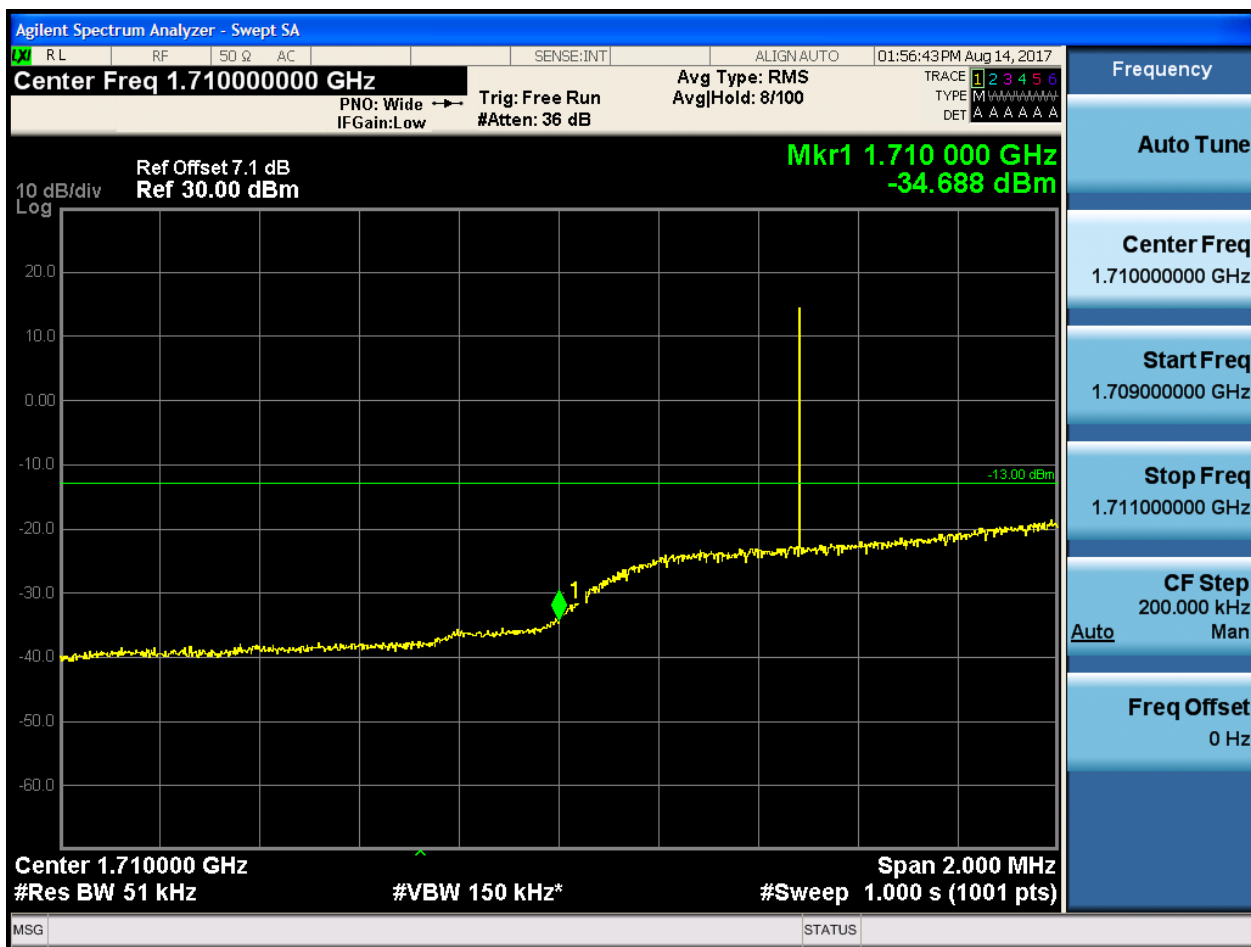


5.1.1.1.3.1.2 Test RB = RB1#24



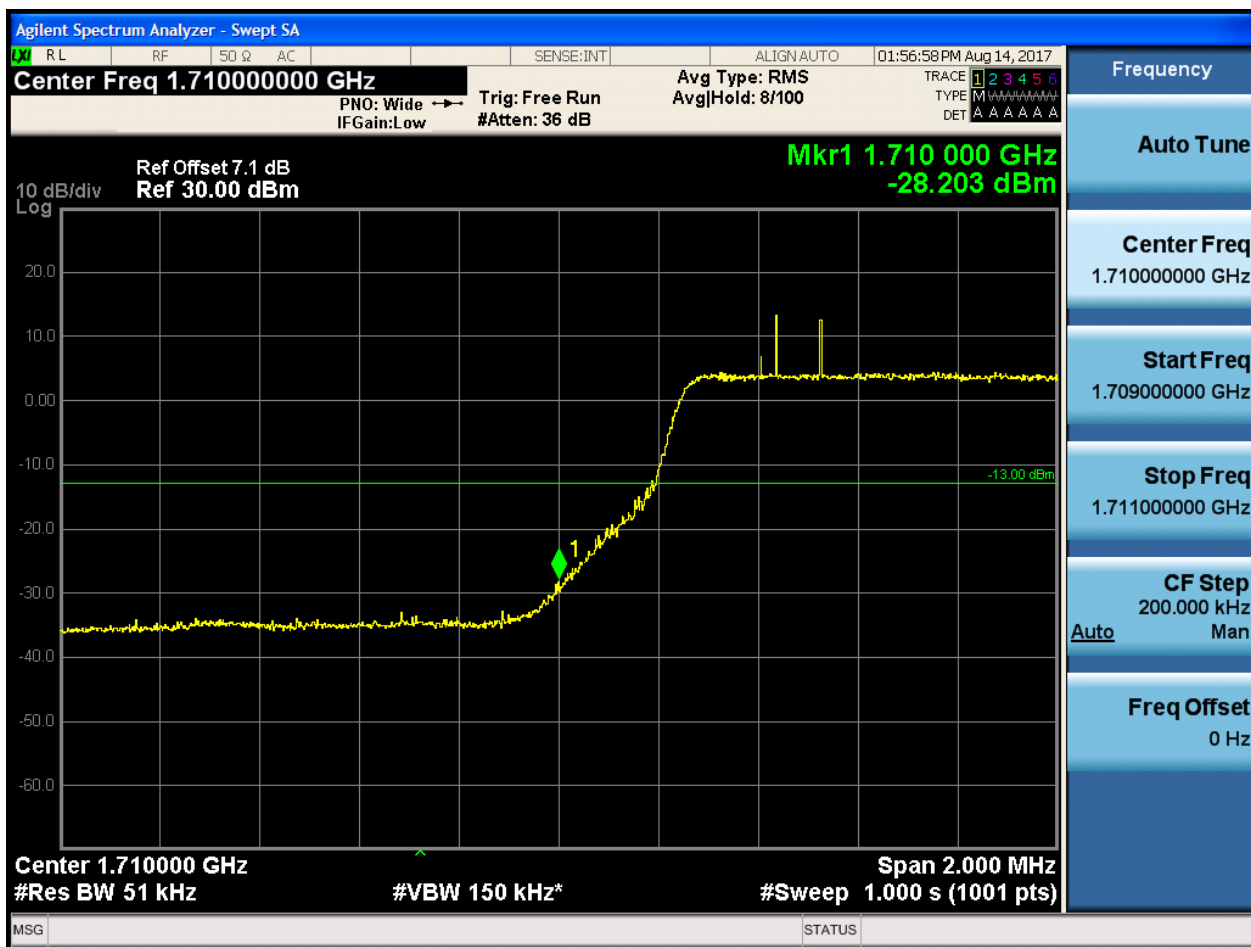


5.1.1.1.3.1.3 Test RB = RB12#6





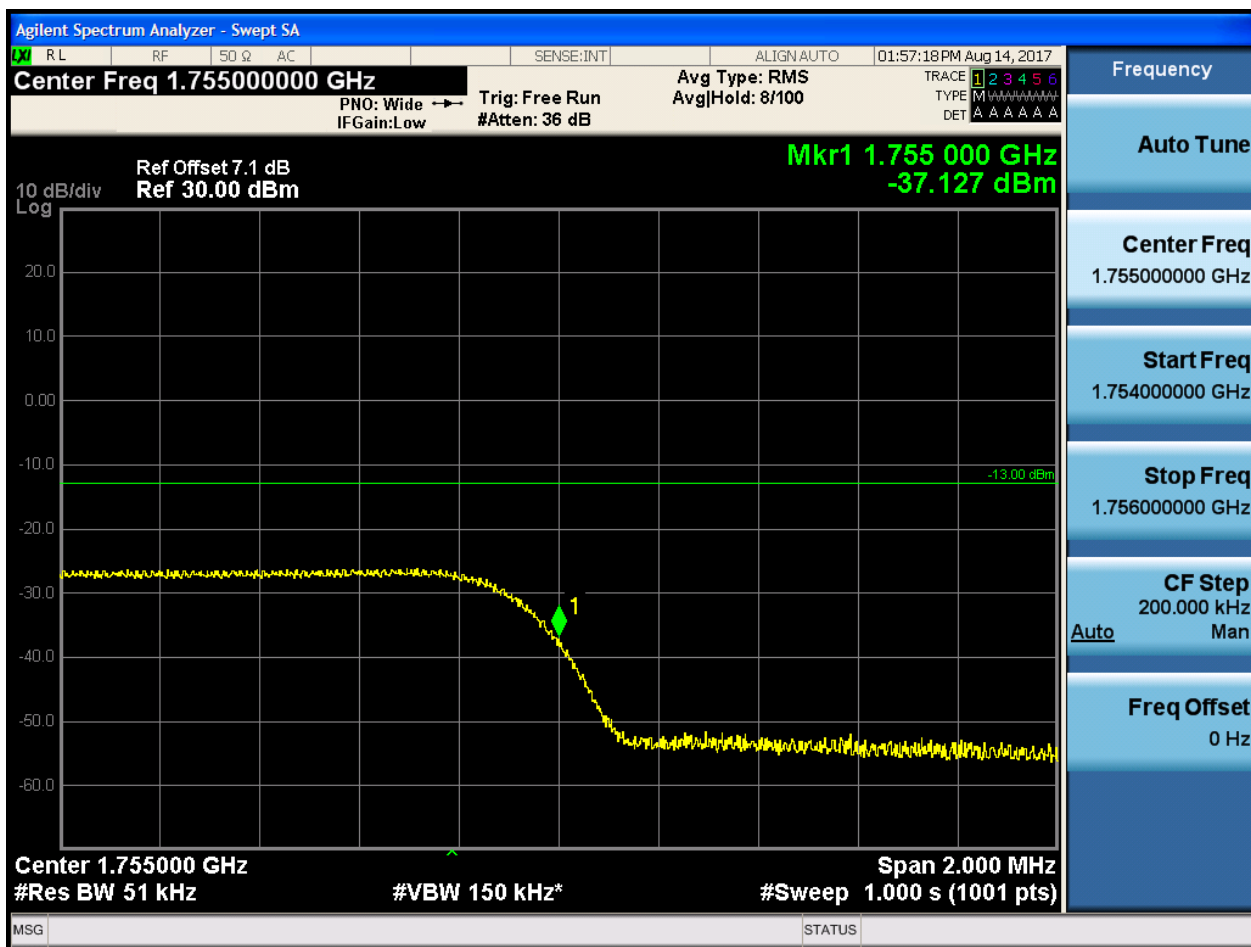
5.1.1.1.3.1.4 Test RB = RB25#0





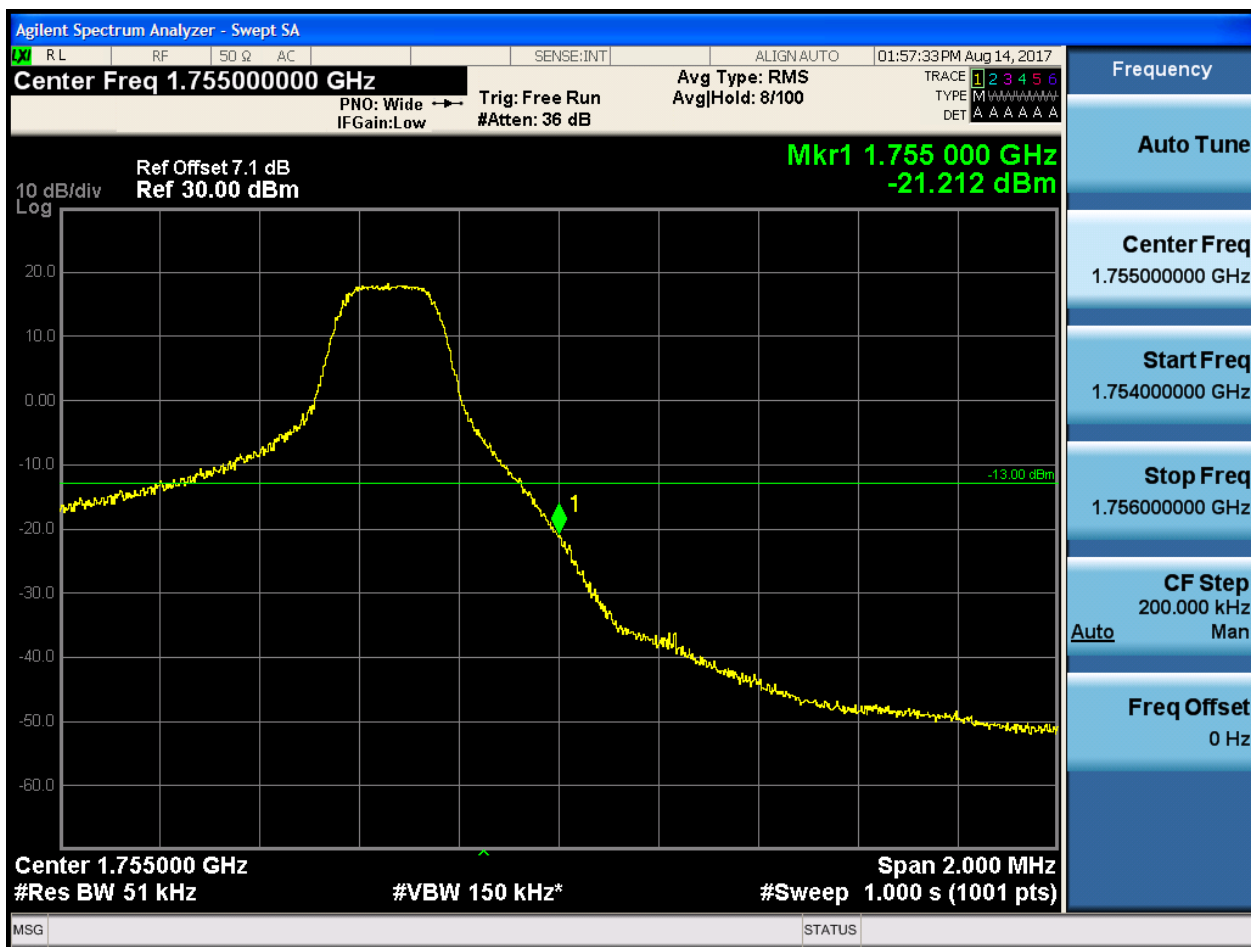
5.1.1.1.3.2 Test Channel = HCH

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





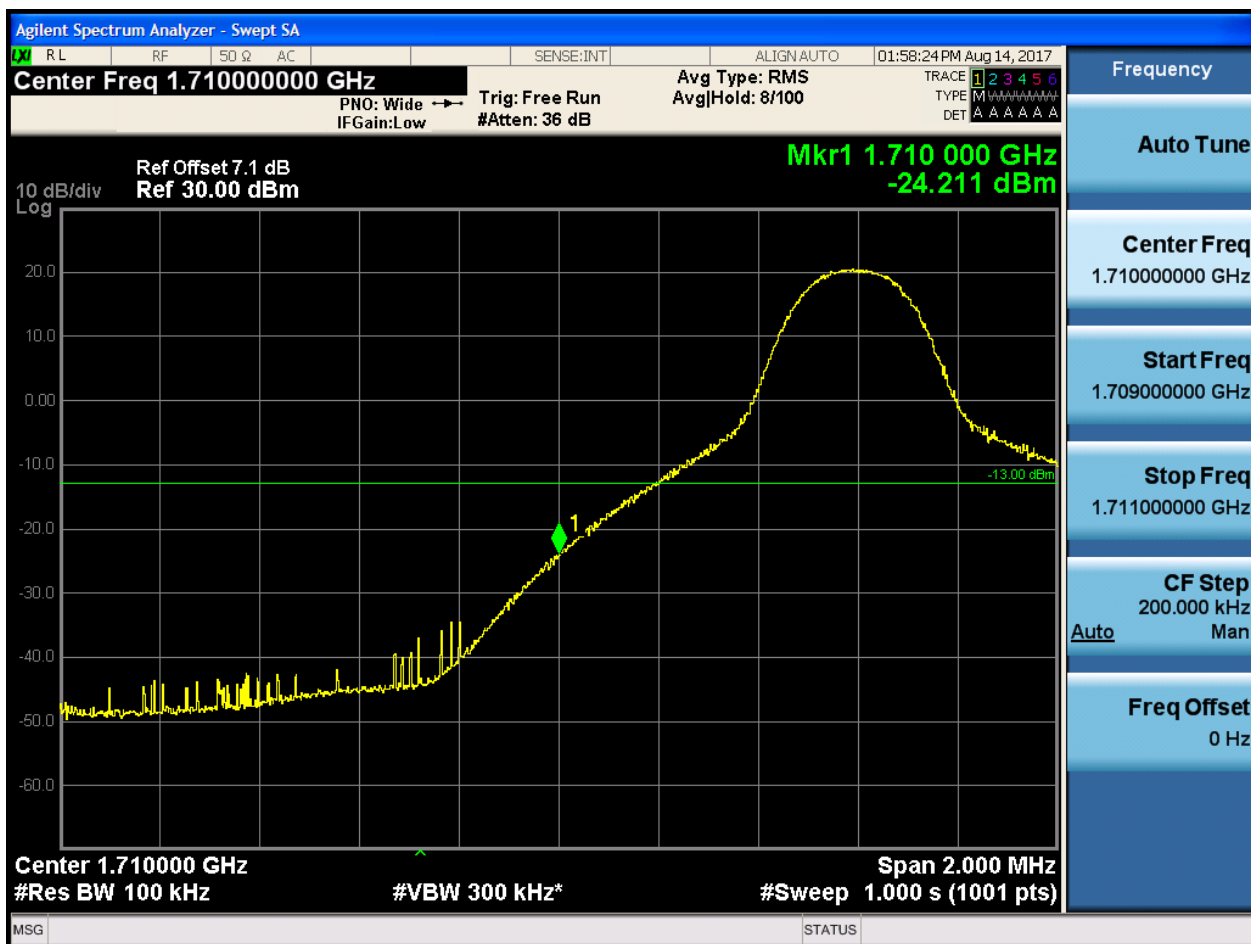
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



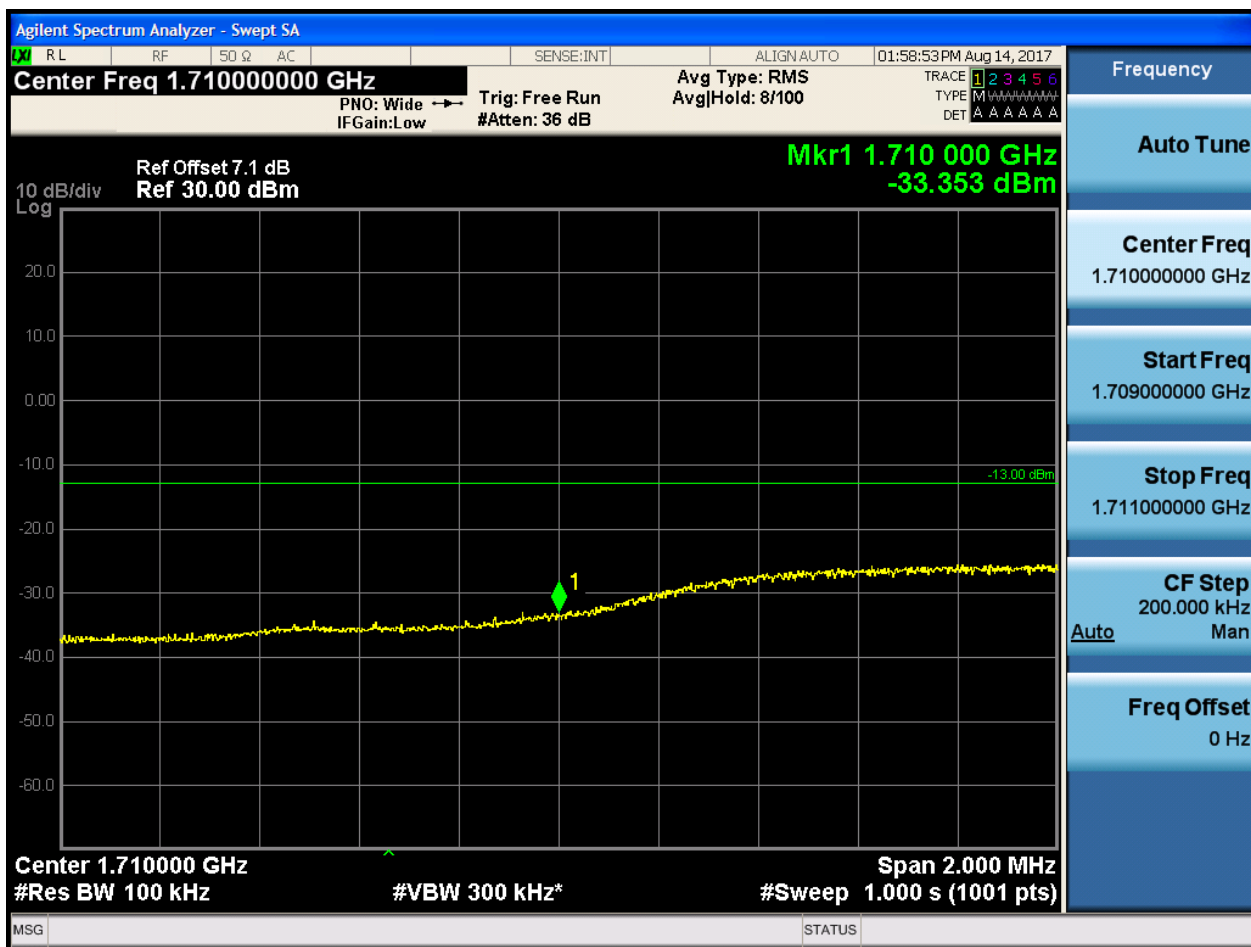


5.1.1.1.4.1.2 Test RB = RB1#49



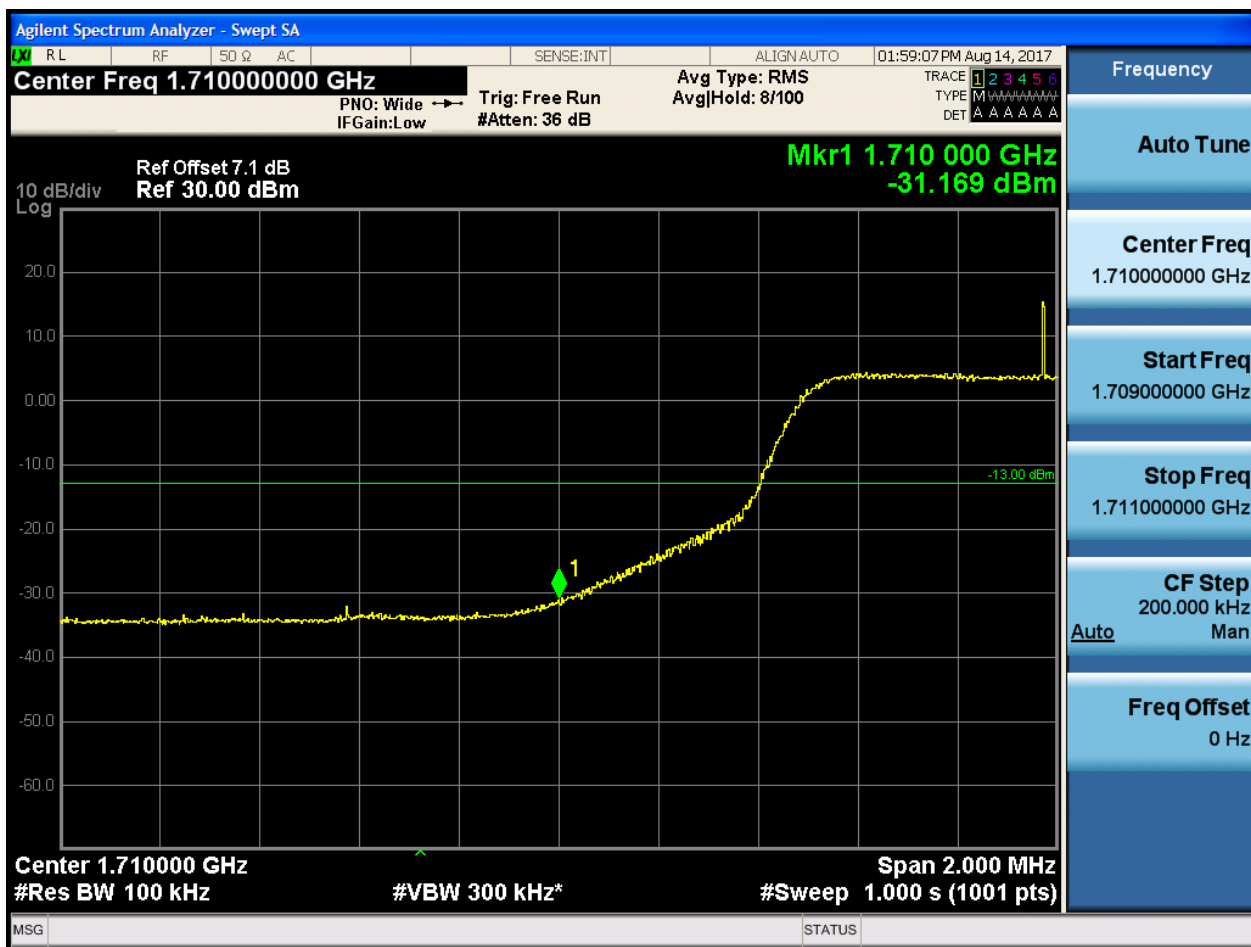


5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0





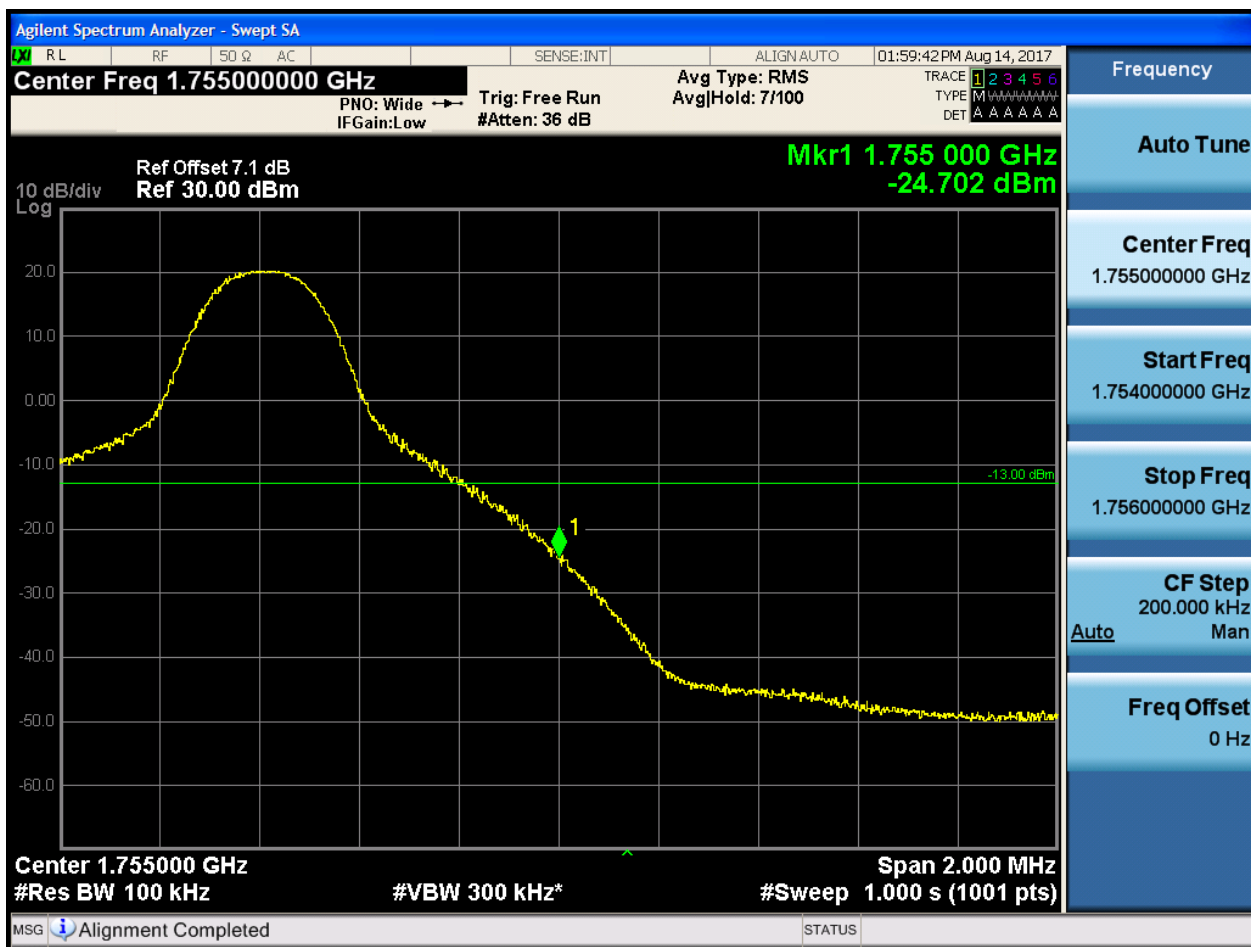
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



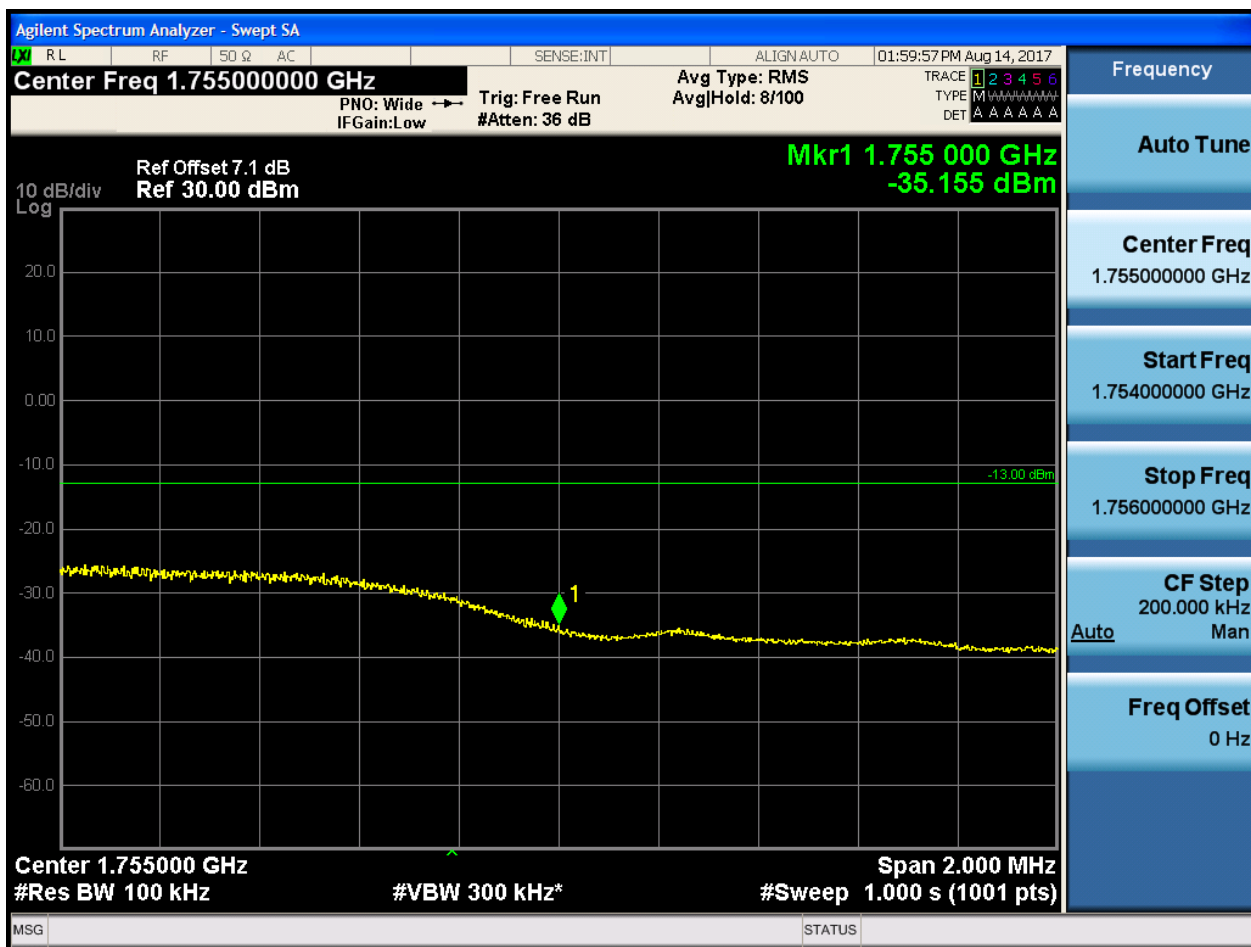


5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





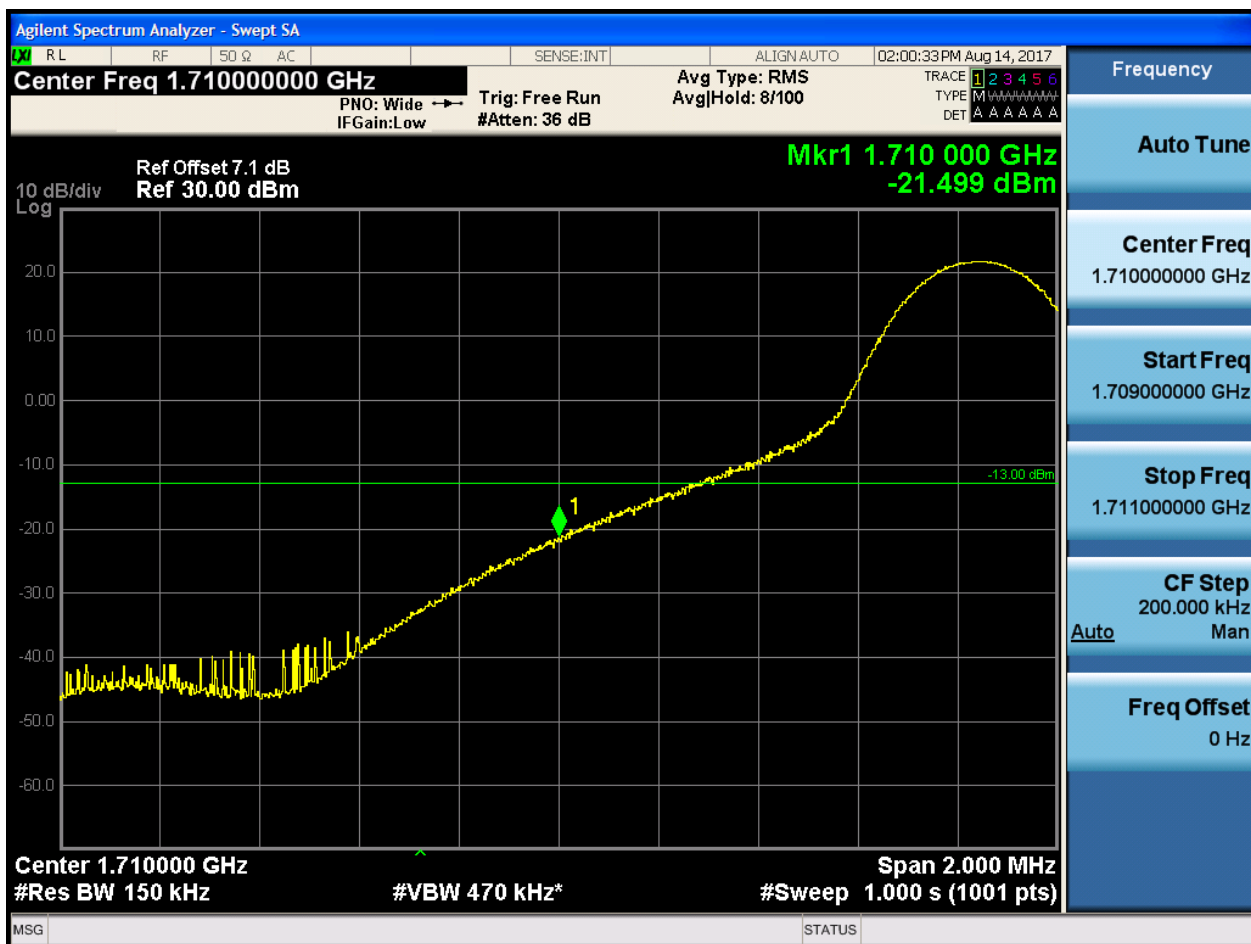
5.1.1.1.4.2.4 Test RB = RB50#0



5.1.1.1.5 Test Bandwidth = 15

5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74





5.1.1.1.5.1.3 Test RB = RB38#19





5.1.1.1.5.1.4 Test RB = RB75#0





5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0

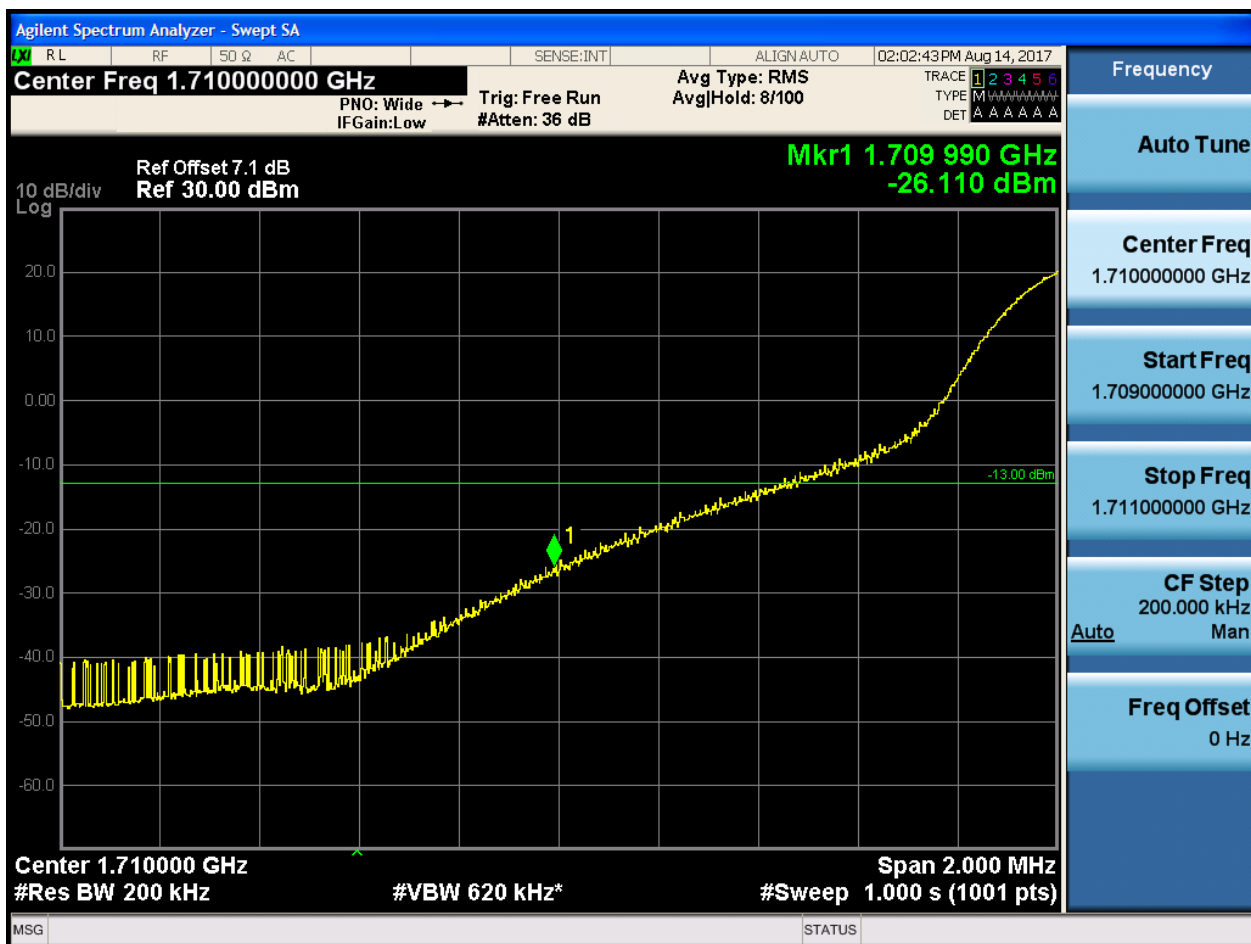




5.1.1.1.6 Test Bandwidth = 20

5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0



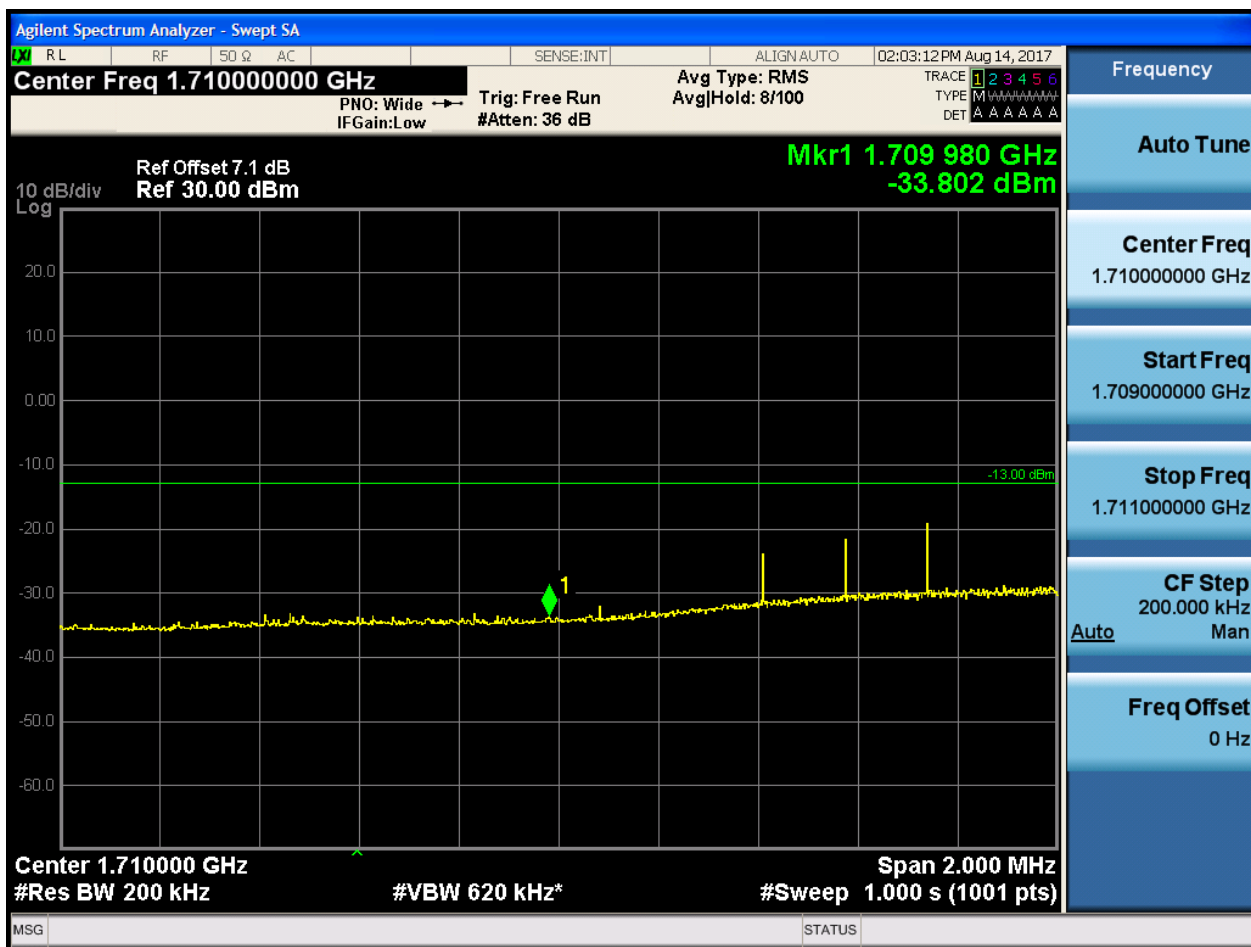


5.1.1.1.6.1.2 Test RB = RB1#99





5.1.1.1.6.1.3 Test RB = RB50#25





5.1.1.1.6.1.4 Test RB = RB100#0





5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz Avg Type: RMS Ref Offset 7.1 dB
PNO: Wide → Trig: Free Run Avg|Hold: 8/100 Ref 30.00 dBm
IFGain:Low #Atten: 36 dB TYPE M DET A A A A A A

Mkr1 1.755 000 GHz
-25.834 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)



5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0

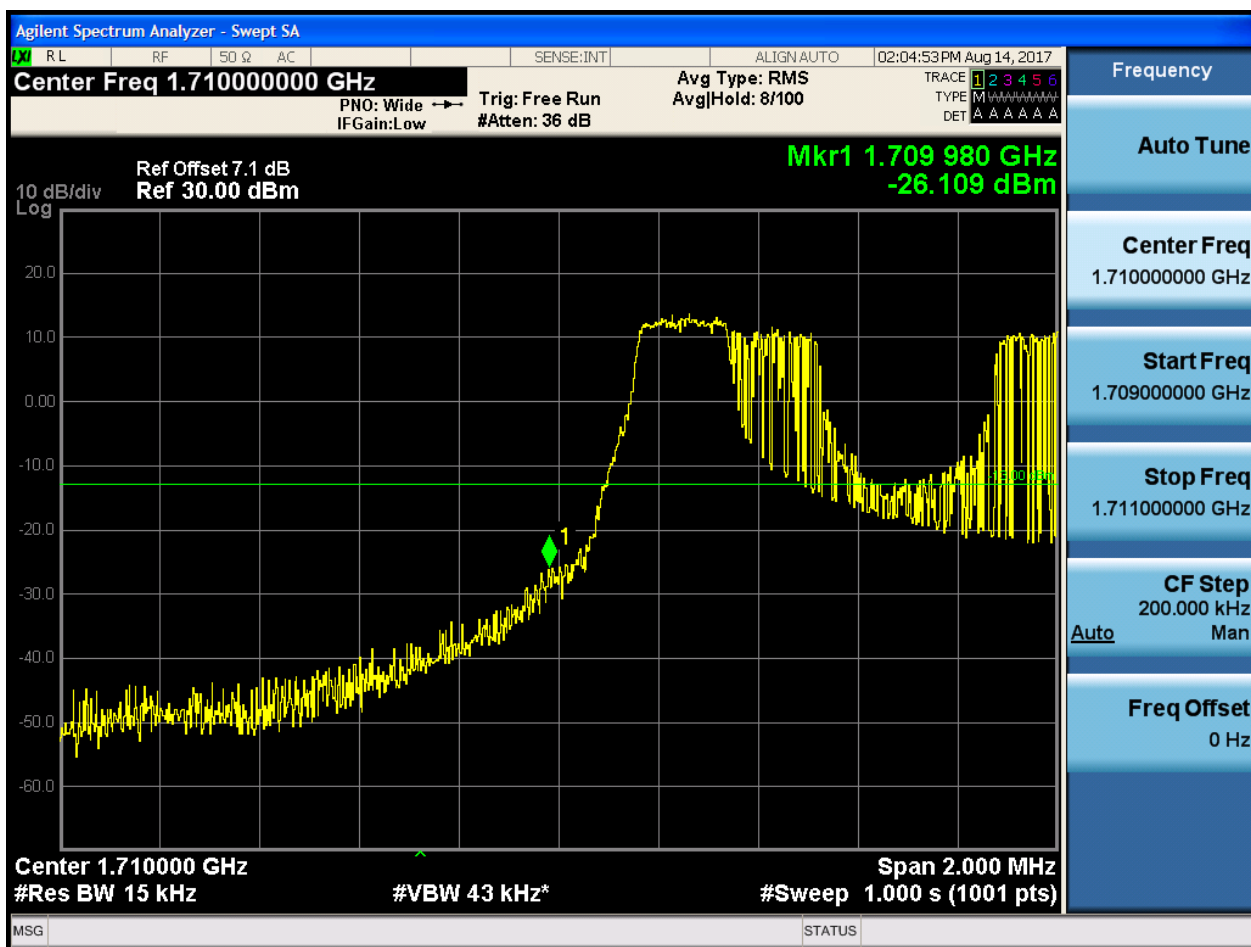


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

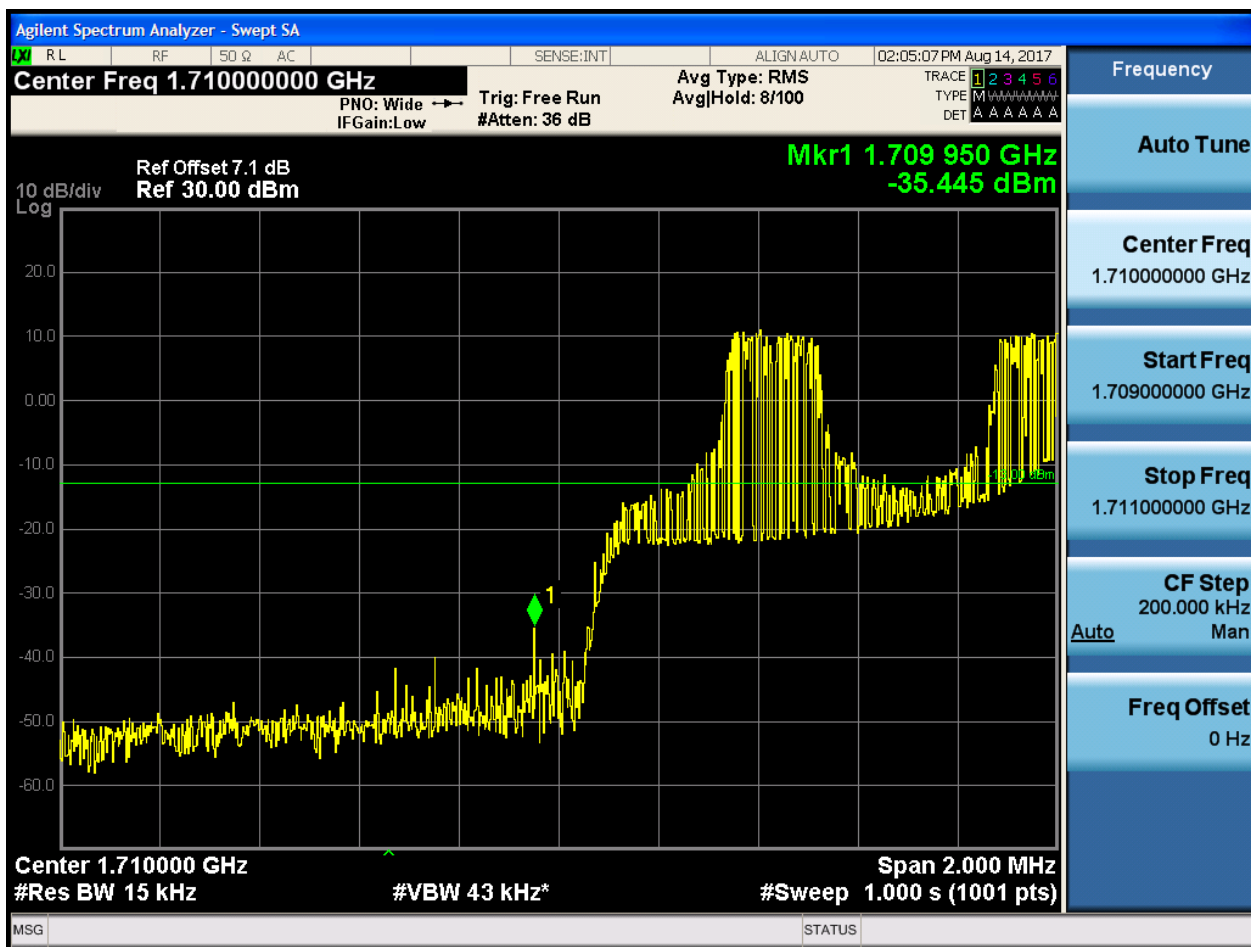
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



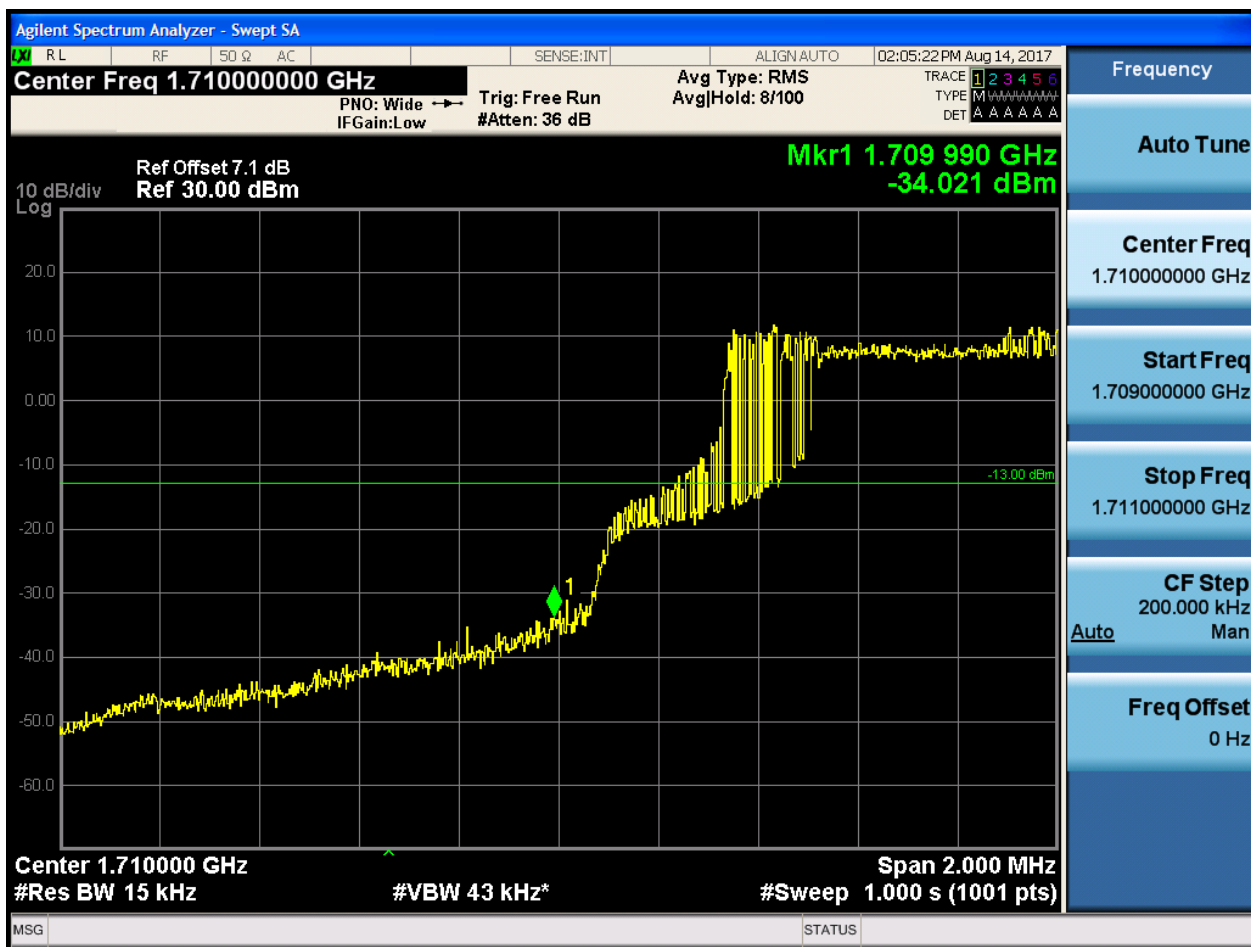


5.1.1.2.1.1.2 Test RB = RB1#5



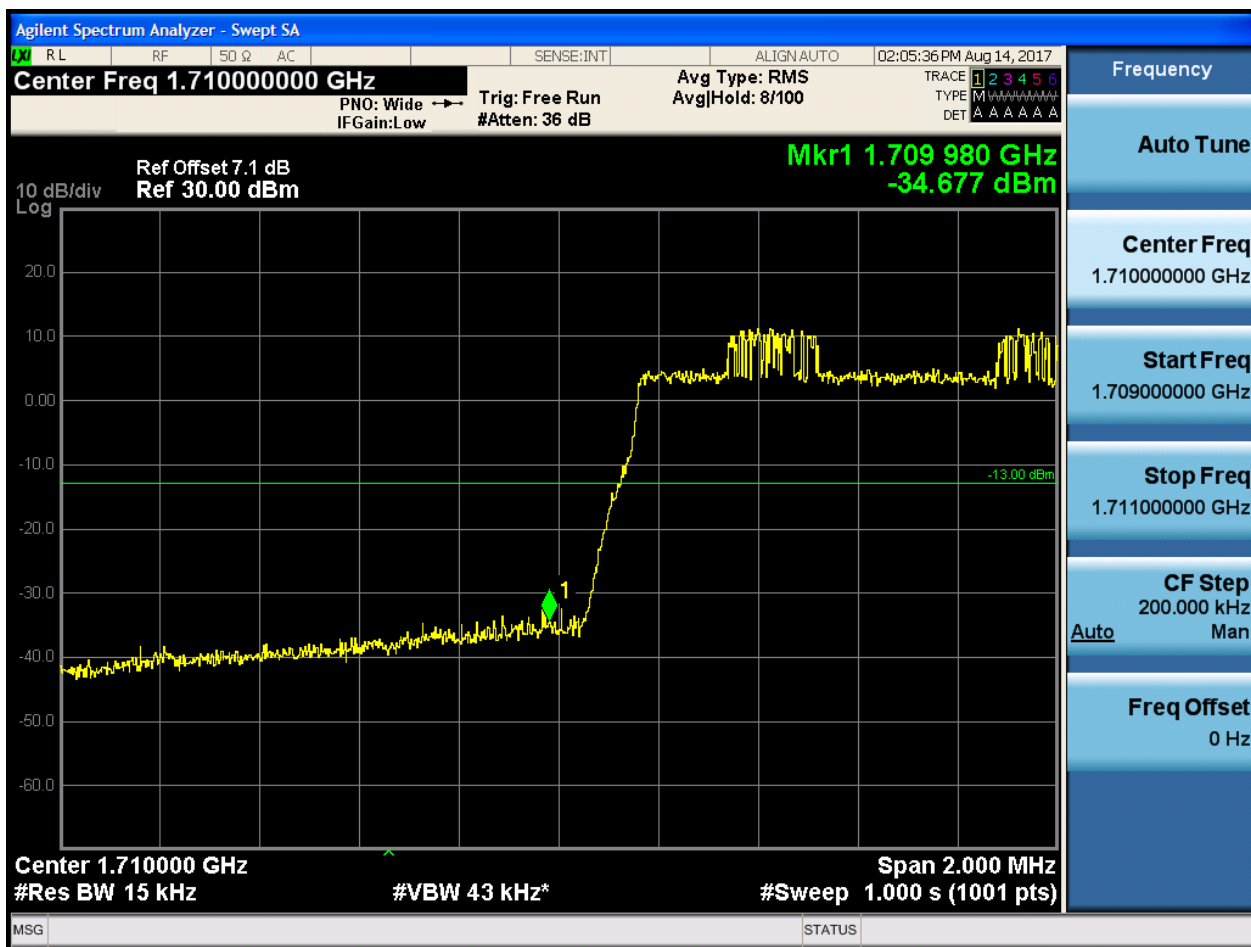


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





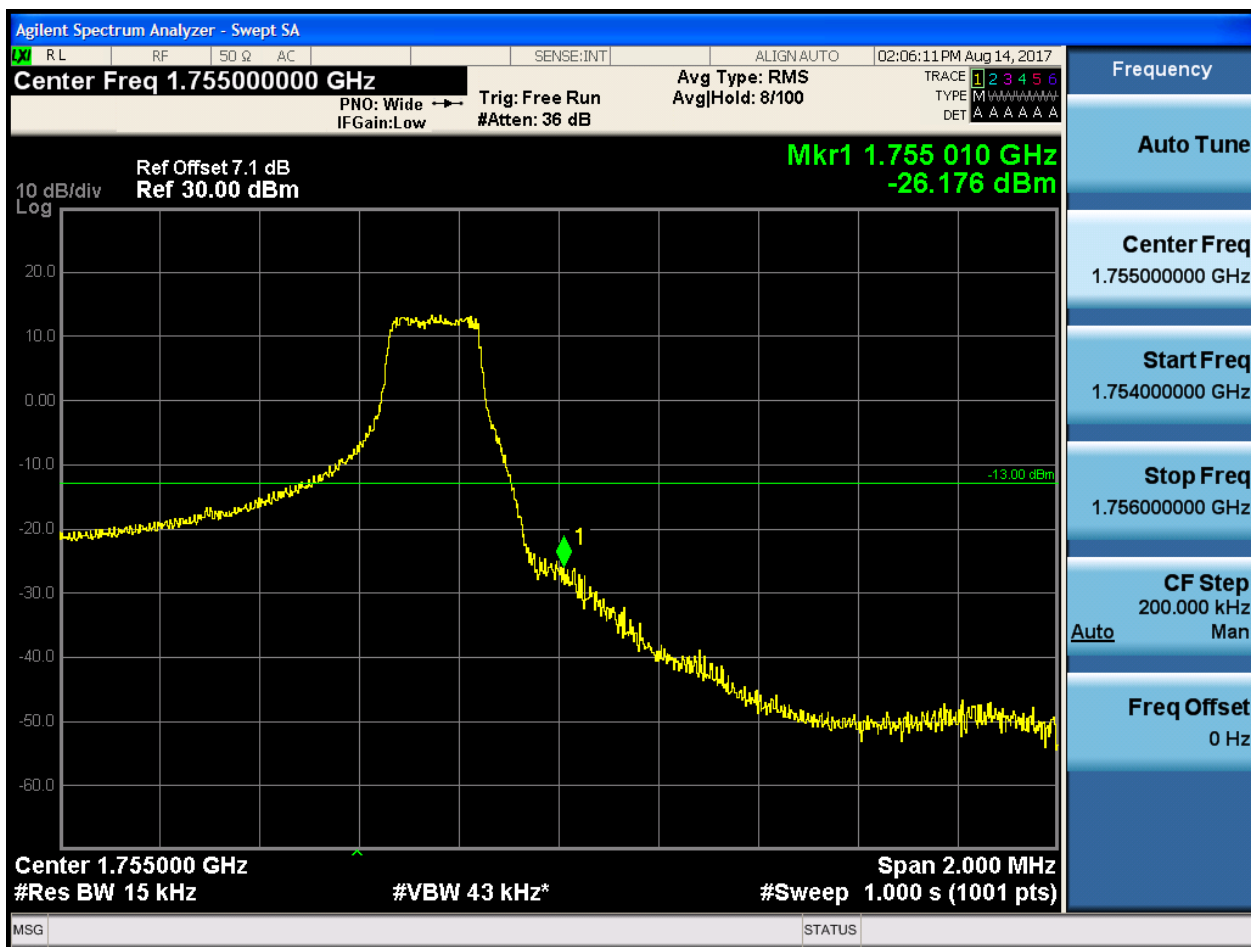
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5





5.1.1.2.1.2.3 Test RB = RB3#2





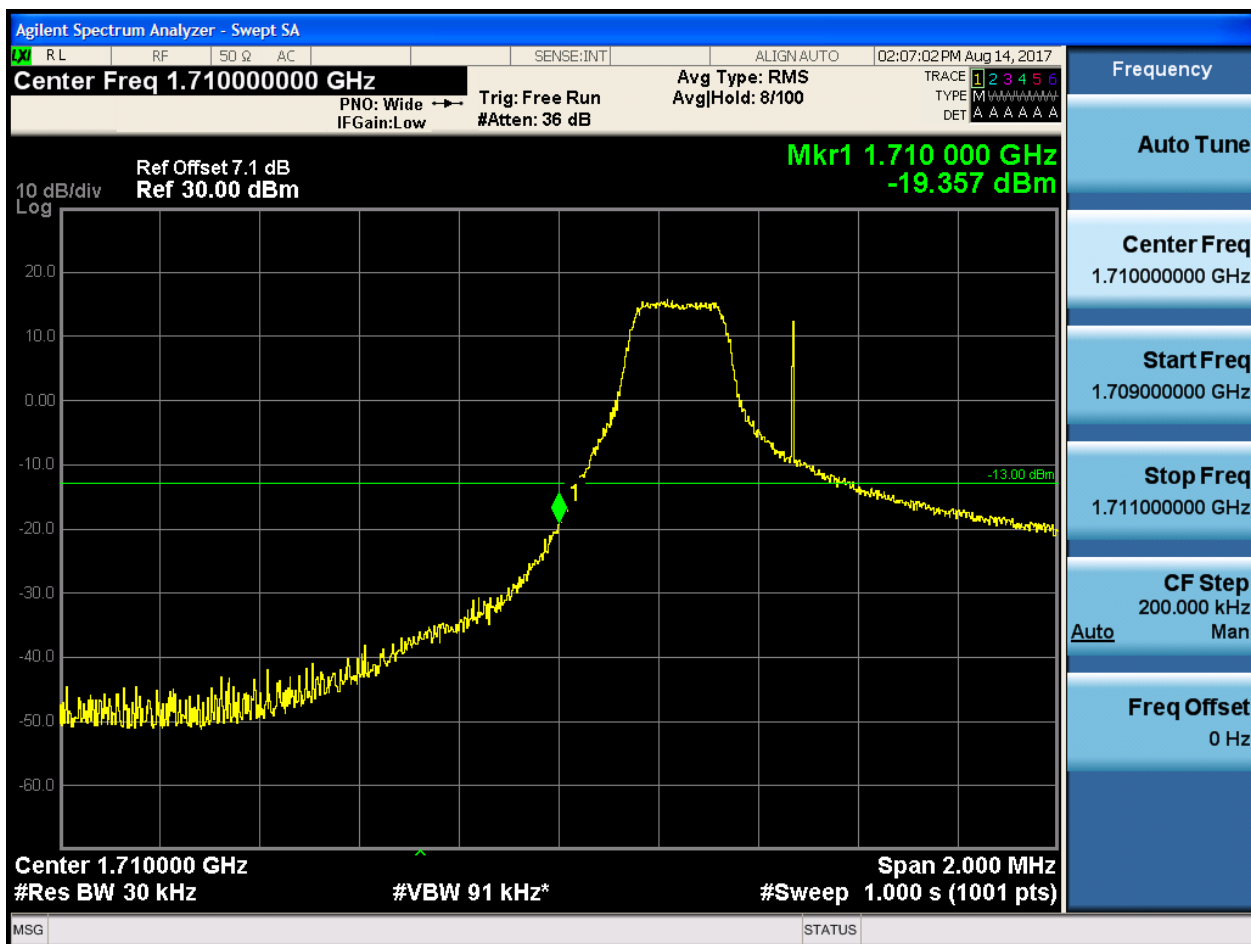
5.1.1.2.1.2.4 Test RB = RB6#0



5.1.1.2.2 Test Bandwidth = 3

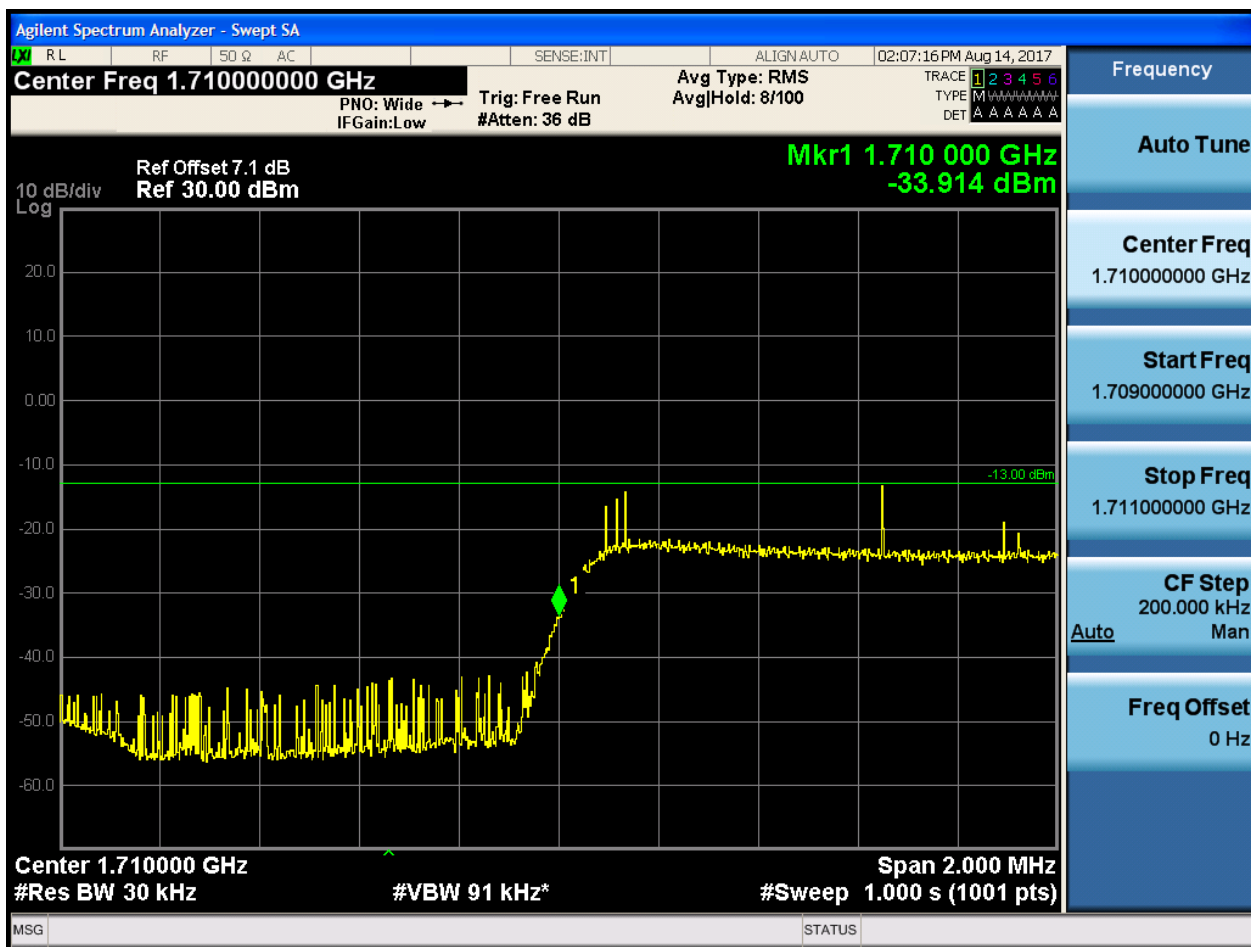
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



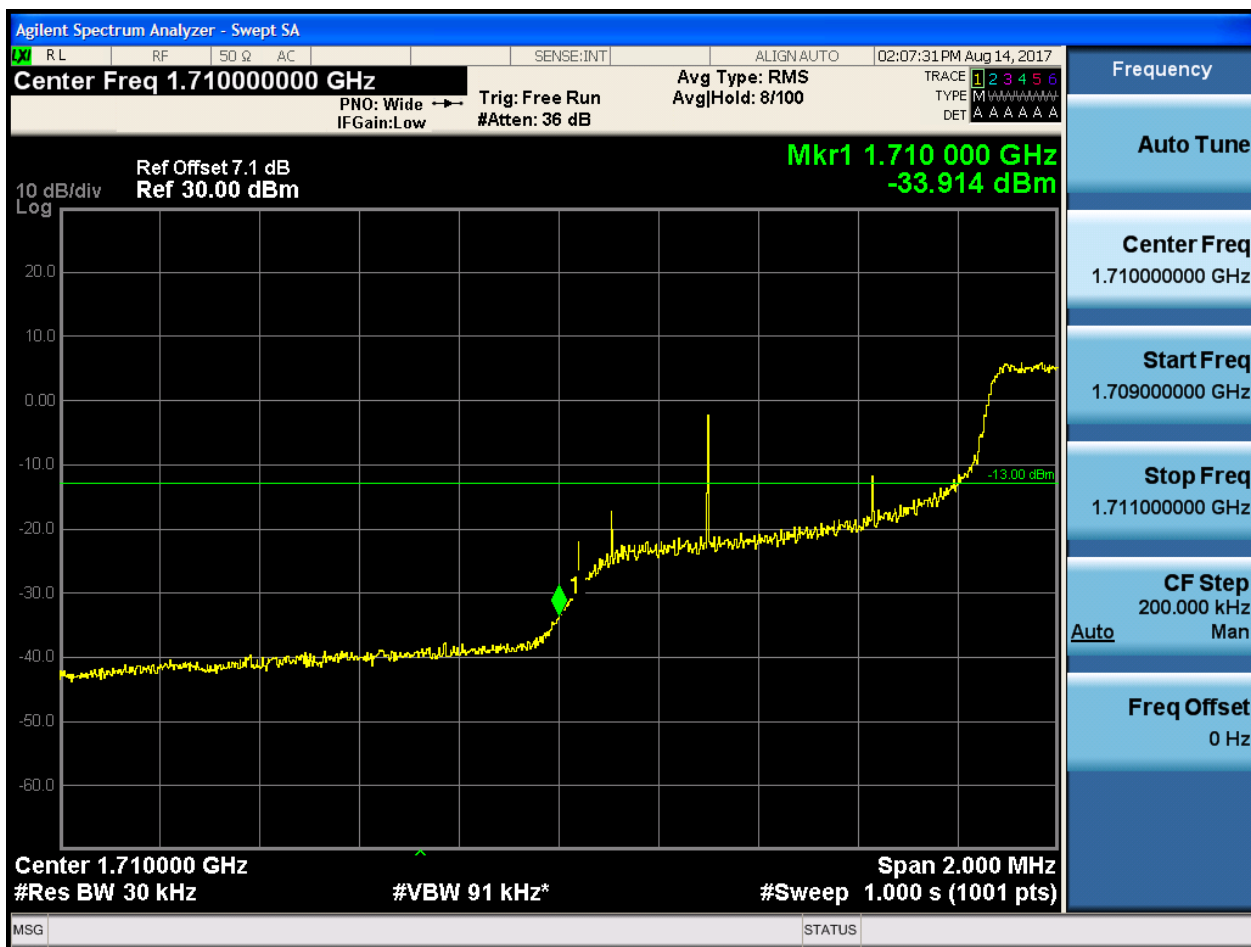


5.1.1.2.2.1.2 Test RB = RB1#14



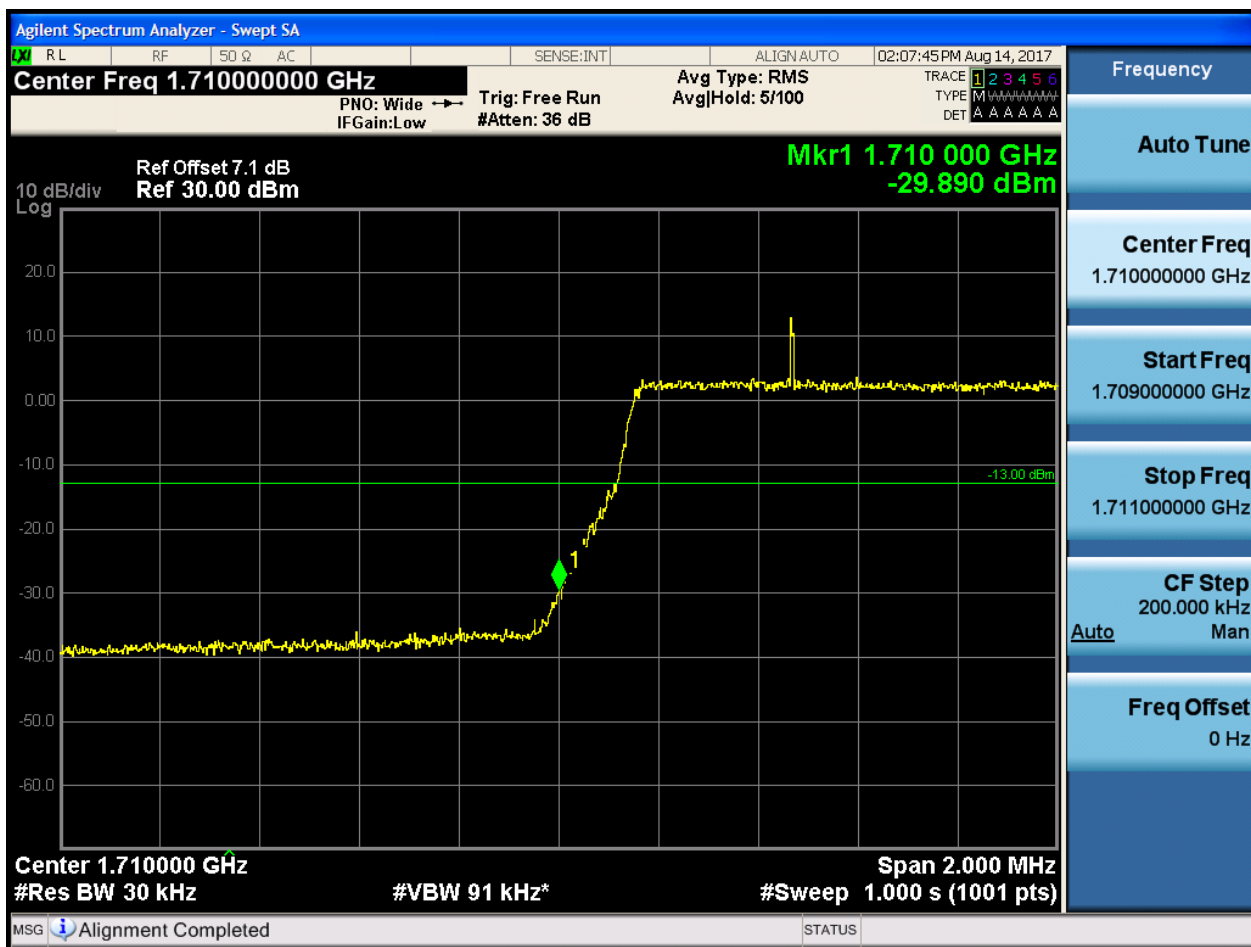


5.1.1.2.2.1.3 Test RB = RB8#4





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

