



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	22.72	22.02	30	PASS
				RB1#3	22.75	22.05	30	PASS
				RB1#5	22.7	22	30	PASS
				RB3#0	22.7	22	30	PASS
				RB3#2	22.86	22.16	30	PASS
				RB3#3	22.83	22.13	30	PASS
				RB6#0	21.74	21.04	30	PASS
			MCH	RB1#0	22.94	22.24	30	PASS
				RB1#3	22.99	22.29	30	PASS
				RB1#5	22.94	22.24	30	PASS
				RB3#0	22.93	22.23	30	PASS
				RB3#2	22.98	22.28	30	PASS
				RB3#3	22.86	22.16	30	PASS
				RB6#0	21.91	21.21	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.74	22.04	30	PASS
				RB1#3	22.79	22.09	30	PASS
				RB1#5	22.64	21.94	30	PASS
				RB3#0	22.73	22.03	30	PASS
				RB3#2	22.86	22.16	30	PASS
				RB3#3	22.8	22.1	30	PASS
				RB6#0	21.84	21.14	30	PASS
		3	LCH	RB1#0	22.76	22.06	30	PASS
				RB1#7	22.87	22.17	30	PASS
				RB1#14	22.91	22.21	30	PASS
				RB8#0	21.85	21.15	30	PASS
				RB8#4	21.79	21.09	30	PASS
				RB8#7	21.76	21.06	30	PASS
				RB15#0	21.86	21.16	30	PASS
			MCH	RB1#0	22.99	22.29	30	PASS
				RB1#7	23.04	22.34	30	PASS
				RB1#14	23	22.3	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	22.01	21.31	30	PASS
				RB8#4	22.04	21.34	30	PASS
				RB8#7	22.02	21.32	30	PASS
				RB15#0	22.02	21.32	30	PASS
			HCH	RB1#0	22.8	22.1	30	PASS
				RB1#7	22.89	22.19	30	PASS
				RB1#14	22.8	22.1	30	PASS
				RB8#0	21.84	21.14	30	PASS
				RB8#4	21.87	21.17	30	PASS
				RB8#7	21.86	21.16	30	PASS
				RB15#0	21.83	21.13	30	PASS
		5	LCH	RB1#0	22.7	22	30	PASS
				RB1#13	22.8	22.1	30	PASS
				RB1#24	22.73	22.03	30	PASS
				RB12#0	21.72	21.02	30	PASS
				RB12#6	21.78	21.08	30	PASS
				RB12#13	21.78	21.08	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.76	21.06	30	PASS
			MCH	RB1#0	22.79	22.09	30	PASS
				RB1#13	22.97	22.27	30	PASS
				RB1#24	22.88	22.18	30	PASS
				RB12#0	21.9	21.2	30	PASS
				RB12#6	21.96	21.26	30	PASS
				RB12#13	21.93	21.23	30	PASS
				RB25#0	21.91	21.21	30	PASS
			HCH	RB1#0	22.72	22.02	30	PASS
				RB1#13	22.76	22.06	30	PASS
				RB1#24	22.56	21.86	30	PASS
				RB12#0	21.91	21.21	30	PASS
				RB12#6	21.96	21.26	30	PASS
				RB12#13	21.93	21.23	30	PASS
				RB25#0	21.93	21.23	30	PASS
		10	LCH	RB1#0	22.88	22.18	30	PASS
				RB1#25	23.23	22.53	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.95	22.25	30	PASS
				RB25#0	21.89	21.19	30	PASS
				RB25#13	21.92	21.22	30	PASS
				RB25#25	21.79	21.09	30	PASS
				RB50#0	21.79	21.09	30	PASS
			MCH	RB1#0	22.84	22.14	30	PASS
				RB1#25	23.13	22.43	30	PASS
				RB1#49	22.92	22.22	30	PASS
				RB25#0	21.95	21.25	30	PASS
				RB25#13	21.97	21.27	30	PASS
				RB25#25	21.87	21.17	30	PASS
				RB50#0	21.89	21.19	30	PASS
			HCH	RB1#0	22.92	22.22	30	PASS
				RB1#25	23.38	22.68	30	PASS
				RB1#49	22.91	22.21	30	PASS
				RB25#0	22.16	21.46	30	PASS
				RB25#13	22.13	21.43	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.91	21.21	30	PASS
				RB50#0	22.03	21.33	30	PASS
		15	LCH	RB1#0	23.03	22.33	30	PASS
				RB1#38	23.11	22.41	30	PASS
				RB1#74	22.98	22.28	30	PASS
				RB38#0	21.78	21.08	30	PASS
				RB38#19	21.84	21.14	30	PASS
				RB38#39	21.79	21.09	30	PASS
				RB75#0	21.79	21.09	30	PASS
			MCH	RB1#0	22.69	21.99	30	PASS
				RB1#38	22.86	22.16	30	PASS
				RB1#74	22.82	22.12	30	PASS
				RB38#0	21.98	21.28	30	PASS
				RB38#19	21.96	21.26	30	PASS
				RB38#39	21.86	21.16	30	PASS
				RB75#0	21.85	21.15	30	PASS
			HCH	RB1#0	22.9	22.2	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	23.01	22.31	30	PASS
				RB1#74	22.87	22.17	30	PASS
				RB38#0	22.04	21.34	30	PASS
				RB38#19	22.09	21.39	30	PASS
				RB38#39	22.02	21.32	30	PASS
				RB75#0	22.03	21.33	30	PASS
		20	LCH	RB1#0	22.28	21.58	30	PASS
				RB1#50	22.5	21.8	30	PASS
				RB1#99	22.56	21.86	30	PASS
				RB50#0	21.78	21.08	30	PASS
				RB50#25	21.86	21.16	30	PASS
				RB50#50	21.75	21.05	30	PASS
				RB100#0	21.77	21.07	30	PASS
			MCH	RB1#0	22.52	21.82	30	PASS
				RB1#50	23.29	22.59	30	PASS
				RB1#99	22.68	21.98	30	PASS
				RB50#0	21.95	21.25	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	22	21.3	30	PASS
				RB50#50	21.88	21.18	30	PASS
				RB100#0	21.88	21.18	30	PASS
			HCH	RB1#0	23.13	22.43	30	PASS
				RB1#50	23.54	22.84	30	PASS
				RB1#99	23.06	22.36	30	PASS
				RB50#0	22.18	21.48	30	PASS
				RB50#25	22.07	21.37	30	PASS
				RB50#50	21.97	21.27	30	PASS
				RB100#0	21.96	21.26	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.44	20.74	30	PASS
				RB1#3	21.62	20.92	30	PASS
				RB1#5	21.36	20.66	30	PASS
				RB3#0	21.89	21.19	30	PASS
				RB3#2	22.12	21.42	30	PASS
				RB3#3	22.08	21.38	30	PASS
				RB6#0	20.79	20.09	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.11	21.41	30	PASS
				RB1#3	21.96	21.26	30	PASS
				RB1#5	21.54	20.84	30	PASS
				RB3#0	21.91	21.21	30	PASS
				RB3#2	21.94	21.24	30	PASS
				RB3#3	22	21.3	30	PASS
				RB6#0	20.97	20.27	30	PASS
			HCH	RB1#0	21.2	20.5	30	PASS
				RB1#3	21.33	20.63	30	PASS
				RB1#5	21.21	20.51	30	PASS
				RB3#0	21.1	20.4	30	PASS
				RB3#2	21.71	21.01	30	PASS
				RB3#3	21.7	21	30	PASS
				RB6#0	20.86	20.16	30	PASS
		3	LCH	RB1#0	21.89	21.19	30	PASS
				RB1#7	22.01	21.31	30	PASS
				RB1#14	21.89	21.19	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.62	19.92	30	PASS
				RB8#4	20.66	19.96	30	PASS
				RB8#7	20.74	20.04	30	PASS
				RB15#0	20.67	19.97	30	PASS
			MCH	RB1#0	21.53	20.83	30	PASS
				RB1#7	21.48	20.78	30	PASS
				RB1#14	21.44	20.74	30	PASS
				RB8#0	20.93	20.23	30	PASS
				RB8#4	20.97	20.27	30	PASS
				RB8#7	20.89	20.19	30	PASS
				RB15#0	20.78	20.08	30	PASS
			HCH	RB1#0	21.67	20.97	30	PASS
				RB1#7	21.72	21.02	30	PASS
				RB1#14	21.17	20.47	30	PASS
				RB8#0	20.88	20.18	30	PASS
				RB8#4	20.82	20.12	30	PASS
				RB8#7	20.92	20.22	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		5		RB15#0	20.91	20.21	30	PASS
				RB1#0	21.31	20.61	30	PASS
			LCH	RB1#13	20.94	20.24	30	PASS
				RB1#24	21.27	20.57	30	PASS
				RB12#0	20.89	20.19	30	PASS
				RB12#6	20.69	19.99	30	PASS
				RB12#13	20.69	19.99	30	PASS
				RB25#0	20.79	20.09	30	PASS
			MCH	RB1#0	21.2	20.5	30	PASS
				RB1#13	21.31	20.61	30	PASS
				RB1#24	21.23	20.53	30	PASS
				RB12#0	20.57	19.87	30	PASS
				RB12#6	20.63	19.93	30	PASS
				RB12#13	20.6	19.9	30	PASS
				RB25#0	20.82	20.12	30	PASS
			HCH	RB1#0	22.14	21.44	30	PASS
				RB1#13	22.09	21.39	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	21.87	21.17	30	PASS
				RB12#0	21.02	20.32	30	PASS
				RB12#6	20.9	20.2	30	PASS
				RB12#13	20.86	20.16	30	PASS
				RB25#0	20.9	20.2	30	PASS
		10	LCH	RB1#0	21.91	21.21	30	PASS
				RB1#25	21.83	21.13	30	PASS
				RB1#49	21.71	21.01	30	PASS
				RB25#0	20.74	20.04	30	PASS
				RB25#13	20.98	20.28	30	PASS
				RB25#25	20.66	19.96	30	PASS
				RB50#0	20.77	20.07	30	PASS
			MCH	RB1#0	21.58	20.88	30	PASS
				RB1#25	22.2	21.5	30	PASS
				RB1#49	21.65	20.95	30	PASS
				RB25#0	20.92	20.22	30	PASS
				RB25#13	21.05	20.35	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.96	20.26	30	PASS
				RB50#0	20.92	20.22	30	PASS
			HCH	RB1#0	21.44	20.74	30	PASS
				RB1#25	21.3	20.6	30	PASS
				RB1#49	21.04	20.34	30	PASS
				RB25#0	21.21	20.51	30	PASS
				RB25#13	21.12	20.42	30	PASS
				RB25#25	20.89	20.19	30	PASS
				RB50#0	20.97	20.27	30	PASS
		15	LCH	RB1#0	21.96	21.26	30	PASS
				RB1#38	22	21.3	30	PASS
				RB1#74	21.14	20.44	30	PASS
				RB38#0	20.79	20.09	30	PASS
				RB38#19	20.86	20.16	30	PASS
				RB38#39	20.7	20	30	PASS
				RB75#0	20.79	20.09	30	PASS
			MCH	RB1#0	21.5	20.8	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.03	21.33	30	PASS
				RB1#74	21.7	21	30	PASS
				RB38#0	20.71	20.01	30	PASS
				RB38#19	20.81	20.11	30	PASS
				RB38#39	20.8	20.1	30	PASS
				RB75#0	20.84	20.14	30	PASS
			HCH	RB1#0	21.36	20.66	30	PASS
				RB1#38	21.3	20.6	30	PASS
				RB1#74	21.02	20.32	30	PASS
				RB38#0	20.96	20.26	30	PASS
				RB38#19	21.02	20.32	30	PASS
				RB38#39	20.93	20.23	30	PASS
				RB75#0	21.13	20.43	30	PASS
		20	LCH	RB1#0	21.73	21.03	30	PASS
				RB1#50	22.3	21.6	30	PASS
				RB1#99	22.17	21.47	30	PASS
				RB50#0	20.87	20.17	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	20.96	20.26	30	PASS
				RB50#50	20.84	20.14	30	PASS
				RB100#0	20.78	20.08	30	PASS
			MCH	RB1#0	21.42	20.72	30	PASS
				RB1#50	22.28	21.58	30	PASS
				RB1#99	21.66	20.96	30	PASS
				RB50#0	20.84	20.14	30	PASS
				RB50#25	20.91	20.21	30	PASS
				RB50#50	20.8	20.1	30	PASS
				RB100#0	20.86	20.16	30	PASS
			HCH	RB1#0	21.96	21.26	30	PASS
				RB1#50	22.77	22.07	30	PASS
				RB1#99	21.96	21.26	30	PASS
				RB50#0	21.26	20.56	30	PASS
				RB50#25	21.15	20.45	30	PASS
				RB50#50	21.01	20.31	30	PASS
				RB100#0	20.94	20.24	30	PASS

Note1:

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

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

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

b, SGP = Signal Generator Level

Note2:

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

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

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

SET Sweep time = auto - couple.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	4.14	13	PASS
				RB1#3	4.07	13	PASS
				RB1#5	4.16	13	PASS
				RB3#0	4.54	13	PASS
				RB3#2	4.48	13	PASS
				RB3#3	4.52	13	PASS
				RB6#0	5.52	13	PASS
			MCH	RB1#0	4.16	13	PASS
				RB1#3	4.04	13	PASS
				RB1#5	4.1	13	PASS
				RB3#0	4.36	13	PASS
				RB3#2	4.17	13	PASS
				RB3#3	4.32	13	PASS
				RB6#0	5.21	13	PASS
			HCH	RB1#0	4.14	13	PASS
				RB1#3	4.15	13	PASS
				RB1#5	4.25	13	PASS
				RB3#0	4.38	13	PASS
				RB3#2	4.28	13	PASS
				RB3#3	4.36	13	PASS
			3	LCH	RB6#0	5.19	13
		RB1#0			4.27	13	PASS
		RB1#7			4.14	13	PASS
		RB1#14			4.26	13	PASS
		RB8#0			5	13	PASS
		RB8#4			4.92	13	PASS
		RB8#7			5.09	13	PASS
		RB15#0		5.27	13	PASS	
		MCH		RB1#0	4.11	13	PASS
			RB1#7	3.91	13	PASS	

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	4.07	13	PASS
				RB8#0	4.78	13	PASS
				RB8#4	4.7	13	PASS
				RB8#7	4.67	13	PASS
				RB15#0	5.6	13	PASS
			HCH	RB1#0	4.22	13	PASS
				RB1#7	4.02	13	PASS
				RB1#14	4.2	13	PASS
				RB8#0	4.82	13	PASS
				RB8#4	4.77	13	PASS
				RB8#7	4.72	13	PASS
				RB15#0	5.12	13	PASS
		5	LCH	RB1#0	4.19	13	PASS
				RB1#13	4.12	13	PASS
				RB1#24	4.27	13	PASS
				RB12#0	5.04	13	PASS
				RB12#6	4.86	13	PASS
				RB12#13	4.93	13	PASS
				RB25#0	5.33	13	PASS
			MCH	RB1#0	4.12	13	PASS
				RB1#13	3.98	13	PASS
				RB1#24	4.06	13	PASS
				RB12#0	4.73	13	PASS
				RB12#6	4.58	13	PASS
				RB12#13	4.71	13	PASS
				RB25#0	5.22	13	PASS
			HCH	RB1#0	4.32	13	PASS
				RB1#13	4.25	13	PASS
				RB1#24	4.25	13	PASS
				RB12#0	4.76	13	PASS
				RB12#6	4.68	13	PASS
				RB12#13	4.84	13	PASS
				RB25#0	5.2	13	PASS
		10	LCH	RB1#0	4.27	13	PASS
				RB1#25	4.17	13	PASS
				RB1#49	4.27	13	PASS
				RB25#0	5.04	13	PASS
				RB25#13	4.95	13	PASS
				RB25#25	5	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.6	13	PASS
				RB1#0	4.13	13	PASS
			MCH	RB1#25	3.92	13	PASS
				RB1#49	4.08	13	PASS
				RB25#0	4.76	13	PASS
				RB25#13	4.65	13	PASS
				RB25#25	4.76	13	PASS
				RB50#0	5.63	13	PASS
			HCH	RB1#0	4.12	13	PASS
				RB1#25	4.03	13	PASS
				RB1#49	4.11	13	PASS
				RB25#0	4.82	13	PASS
				RB25#13	4.73	13	PASS
				RB25#25	4.83	13	PASS
				RB50#0	5.56	13	PASS
		15	LCH	RB1#0	4.22	13	PASS
				RB1#38	4.12	13	PASS
				RB1#74	4.11	13	PASS
				RB38#0	4.99	13	PASS
				RB38#19	5.01	13	PASS
				RB38#39	4.98	13	PASS
				RB75#0	5.64	13	PASS
			MCH	RB1#0	4.21	13	PASS
				RB1#38	4.06	13	PASS
				RB1#74	4.06	13	PASS
				RB38#0	4.78	13	PASS
				RB38#19	4.64	13	PASS
				RB38#39	4.8	13	PASS
				RB75#0	5.42	13	PASS
			HCH	RB1#0	4.08	13	PASS
				RB1#38	4.08	13	PASS
				RB1#74	4.15	13	PASS
				RB38#0	4.83	13	PASS
				RB38#19	4.66	13	PASS
				RB38#39	4.81	13	PASS
				RB75#0	5.42	13	PASS
		20	LCH	RB1#0	4.48	13	PASS
				RB1#50	4.44	13	PASS
				RB1#99	4.19	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.09	13	PASS
				RB50#25	4.96	13	PASS
				RB50#50	5	13	PASS
				RB100#0	5.58	13	PASS
			MCH	RB1#0	4.32	13	PASS
				RB1#50	3.96	13	PASS
				RB1#99	4.13	13	PASS
				RB50#0	4.85	13	PASS
				RB50#25	4.72	13	PASS
				RB50#50	4.79	13	PASS
				RB100#0	5.63	13	PASS
			HCH	RB1#0	3.95	13	PASS
				RB1#50	3.76	13	PASS
				RB1#99	4.12	13	PASS
				RB50#0	4.76	13	PASS
				RB50#25	4.72	13	PASS
				RB50#50	4.85	13	PASS
				RB100#0	5.06	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.22	13	PASS
				RB1#3	5.15	13	PASS
				RB1#5	5.25	13	PASS
				RB3#0	5.4	13	PASS
				RB3#2	5.29	13	PASS
				RB3#3	5.49	13	PASS
				RB6#0	5.87	13	PASS
			MCH	RB1#0	5.07	13	PASS
				RB1#3	4.99	13	PASS
				RB1#5	4.99	13	PASS
				RB3#0	4.98	13	PASS
				RB3#2	4.91	13	PASS
				RB3#3	5.09	13	PASS
				RB6#0	5.76	13	PASS
			HCH	RB1#0	5.02	13	PASS
				RB1#3	5	13	PASS
				RB1#5	5.05	13	PASS
				RB3#0	5.33	13	PASS
				RB3#2	5.17	13	PASS
				RB3#3	5.3	13	PASS
				RB6#0	6.15	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3	LCH	RB1#0	5.04	13	PASS
				RB1#7	4.98	13	PASS
				RB1#14	5.14	13	PASS
				RB8#0	5.68	13	PASS
				RB8#4	5.67	13	PASS
				RB8#7	5.8	13	PASS
				RB15#0	6.22	13	PASS
			MCH	RB1#0	4.97	13	PASS
				RB1#7	4.86	13	PASS
				RB1#14	4.84	13	PASS
				RB8#0	5.61	13	PASS
				RB8#4	5.46	13	PASS
				RB8#7	5.58	13	PASS
				RB15#0	5.93	13	PASS
			HCH	RB1#0	5.15	13	PASS
				RB1#7	5.08	13	PASS
				RB1#14	5.26	13	PASS
				RB8#0	5.76	13	PASS
				RB8#4	5.61	13	PASS
				RB8#7	5.74	13	PASS
				RB15#0	6.01	13	PASS
		5	LCH	RB1#0	5.36	13	PASS
				RB1#13	5.35	13	PASS
				RB1#24	5.45	13	PASS
				RB12#0	5.78	13	PASS
				RB12#6	5.79	13	PASS
				RB12#13	5.76	13	PASS
				RB25#0	6.32	13	PASS
			MCH	RB1#0	5.23	13	PASS
				RB1#13	5.15	13	PASS
				RB1#24	5.13	13	PASS
				RB12#0	5.65	13	PASS
				RB12#6	5.52	13	PASS
				RB12#13	5.69	13	PASS
				RB25#0	6.29	13	PASS
			HCH	RB1#0	4.84	13	PASS
				RB1#13	4.73	13	PASS
				RB1#24	4.84	13	PASS
				RB12#0	5.61	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB12#6	5.59	13	PASS
				RB12#13	5.62	13	PASS
				RB25#0	6.24	13	PASS
			LCH	RB1#0	5.27	13	PASS
				RB1#25	5.12	13	PASS
				RB1#49	5.37	13	PASS
				RB25#0	6.04	13	PASS
				RB25#13	5.9	13	PASS
				RB25#25	6.03	13	PASS
				RB50#0	6.5	13	PASS
			MCH	RB1#0	5.16	13	PASS
				RB1#25	4.9	13	PASS
				RB1#49	5.11	13	PASS
				RB25#0	5.62	13	PASS
				RB25#13	5.48	13	PASS
				RB25#25	5.65	13	PASS
				RB50#0	6.04	13	PASS
			HCH	RB1#0	5.02	13	PASS
				RB1#25	4.91	13	PASS
				RB1#49	5.05	13	PASS
				RB25#0	5.71	13	PASS
				RB25#13	5.57	13	PASS
				RB25#25	5.76	13	PASS
				RB50#0	6.45	13	PASS
		15	LCH	RB1#0	5.31	13	PASS
				RB1#38	5.11	13	PASS
				RB1#74	5.18	13	PASS
				RB38#0	6.06	13	PASS
				RB38#19	5.9	13	PASS
				RB38#39	5.98	13	PASS
				RB75#0	6.47	13	PASS
			MCH	RB1#0	4.76	13	PASS
				RB1#38	4.43	13	PASS
				RB1#74	4.57	13	PASS
				RB38#0	5.81	13	PASS
				RB38#19	5.64	13	PASS
				RB38#39	5.77	13	PASS
				RB75#0	6.23	13	PASS
			HCH	RB1#0	4.99	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#38	4.99	13	PASS
				RB1#74	5.03	13	PASS
				RB38#0	5.7	13	PASS
				RB38#19	5.63	13	PASS
				RB38#39	5.75	13	PASS
				RB75#0	6.07	13	PASS
		20	LCH	RB1#0	5	13	PASS
				RB1#50	4.93	13	PASS
				RB1#99	4.83	13	PASS
				RB50#0	6	13	PASS
				RB50#25	5.81	13	PASS
				RB50#50	5.84	13	PASS
				RB100#0	6.31	13	PASS
			MCH	RB1#0	5.04	13	PASS
				RB1#50	4.79	13	PASS
				RB1#99	4.84	13	PASS
				RB50#0	5.82	13	PASS
				RB50#25	5.61	13	PASS
				RB50#50	5.77	13	PASS
				RB100#0	6.11	13	PASS
			HCH	RB1#0	4.85	13	PASS
				RB1#50	4.81	13	PASS
				RB1#99	4.99	13	PASS
				RB50#0	5.74	13	PASS
				RB50#25	5.64	13	PASS
				RB50#50	5.84	13	PASS
				RB100#0	6.25	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

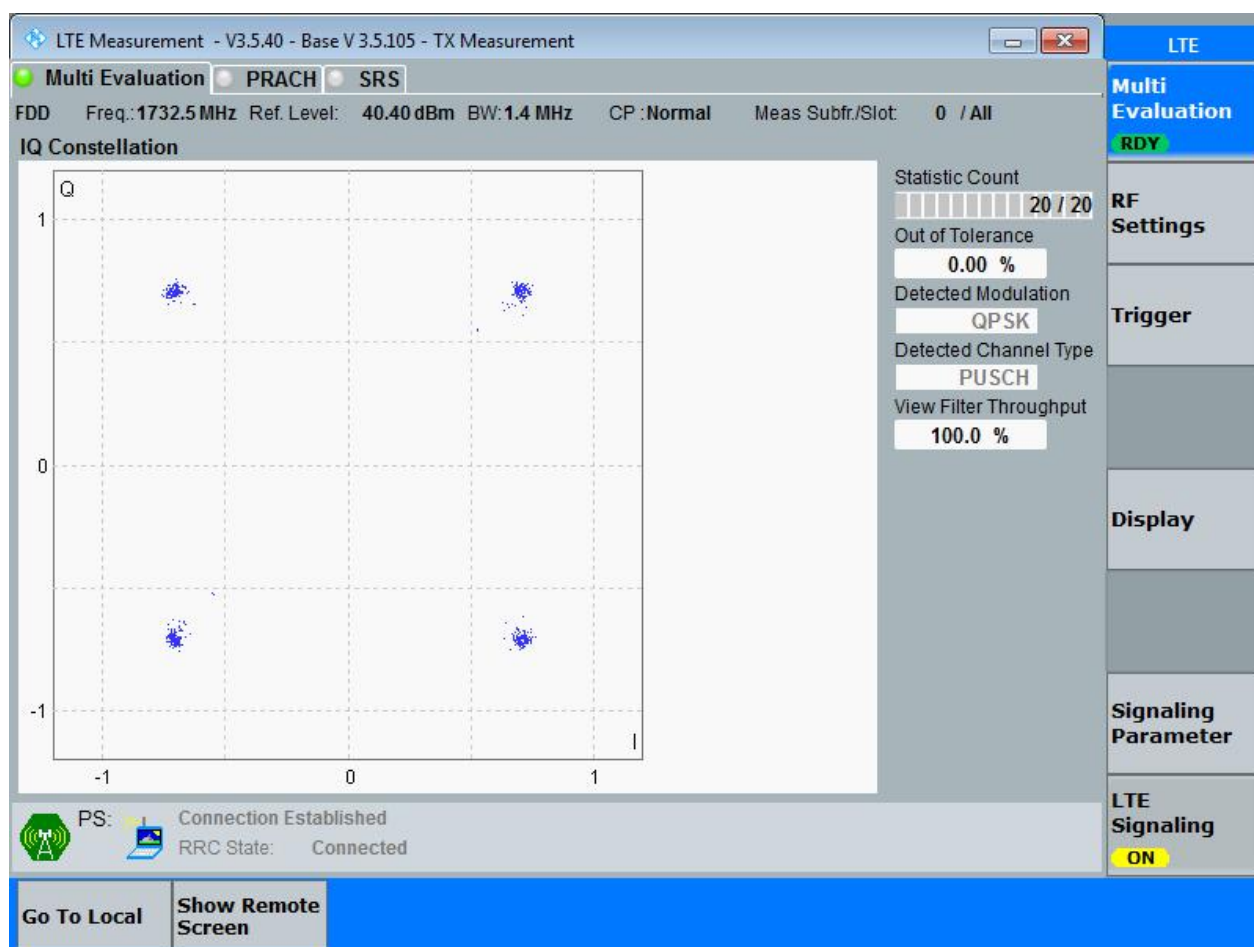
3.1.1 Test Band = BAND4

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

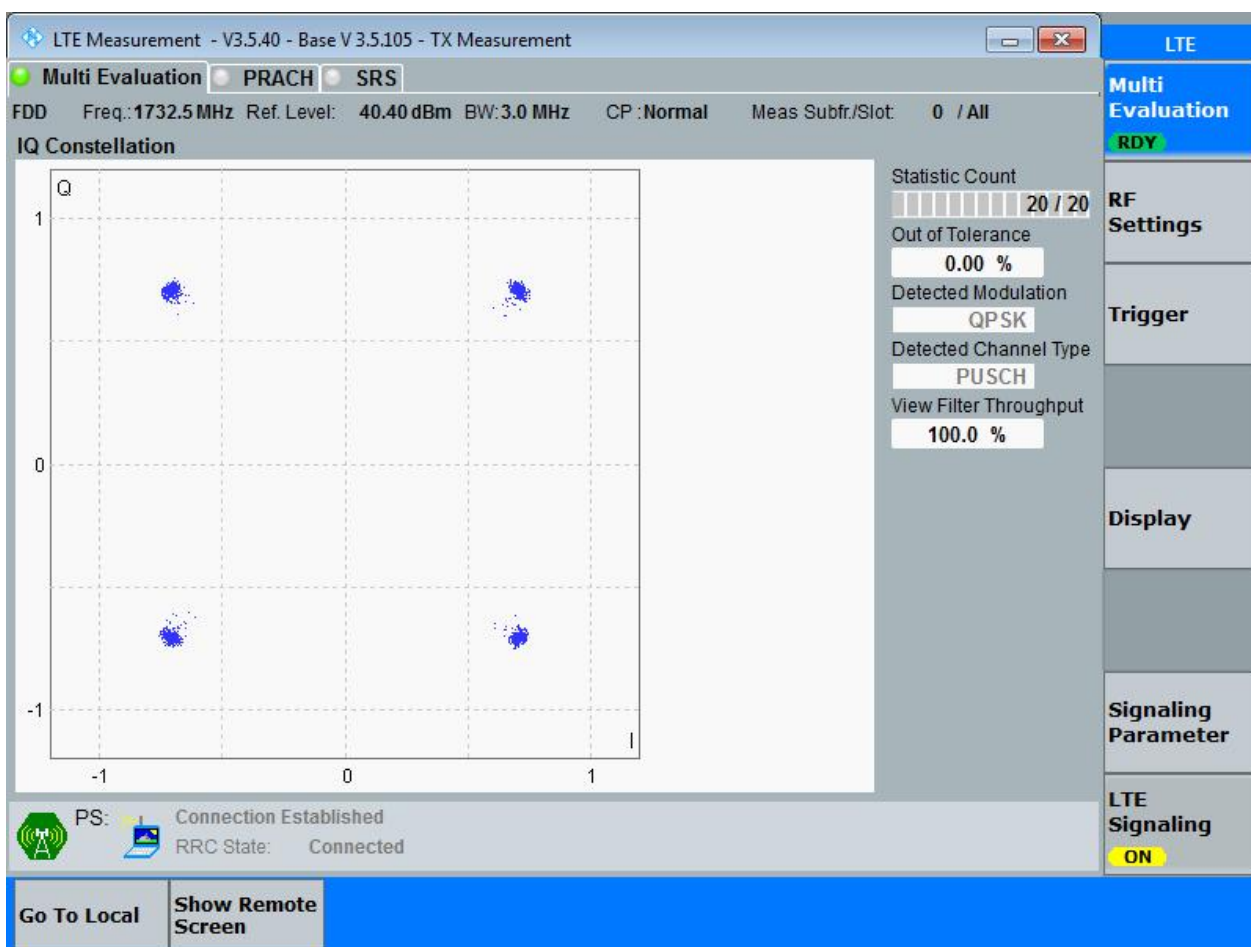
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

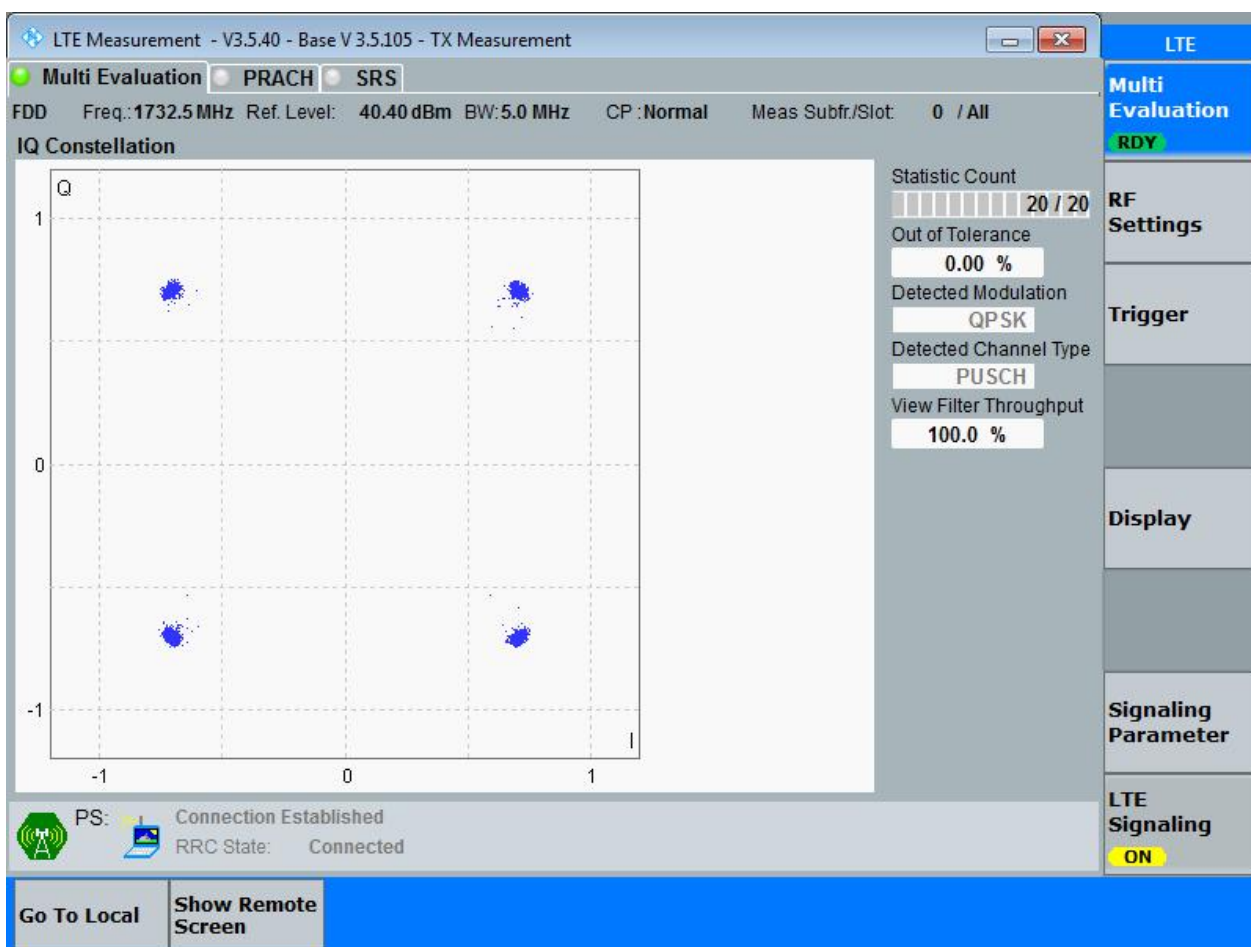
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

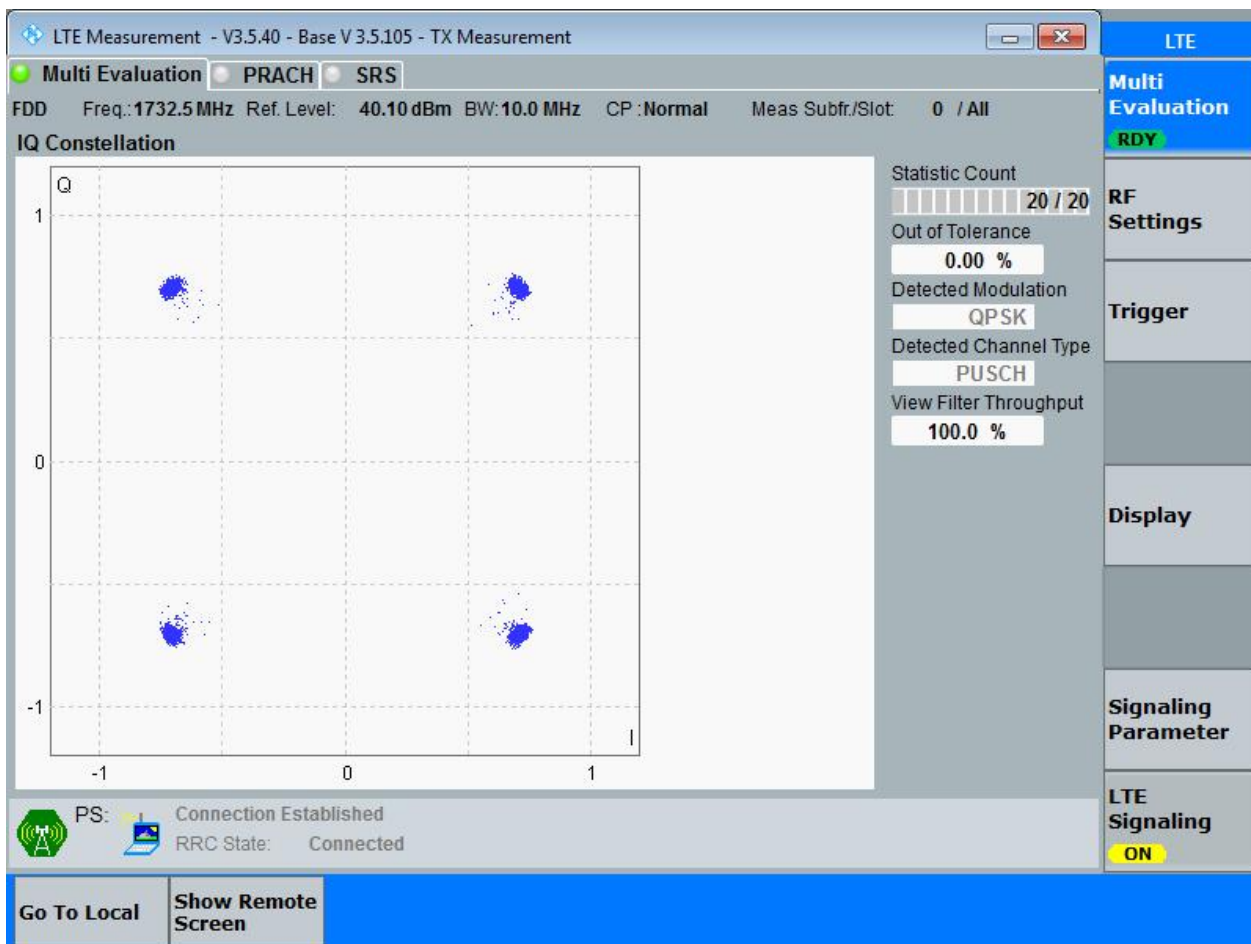
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

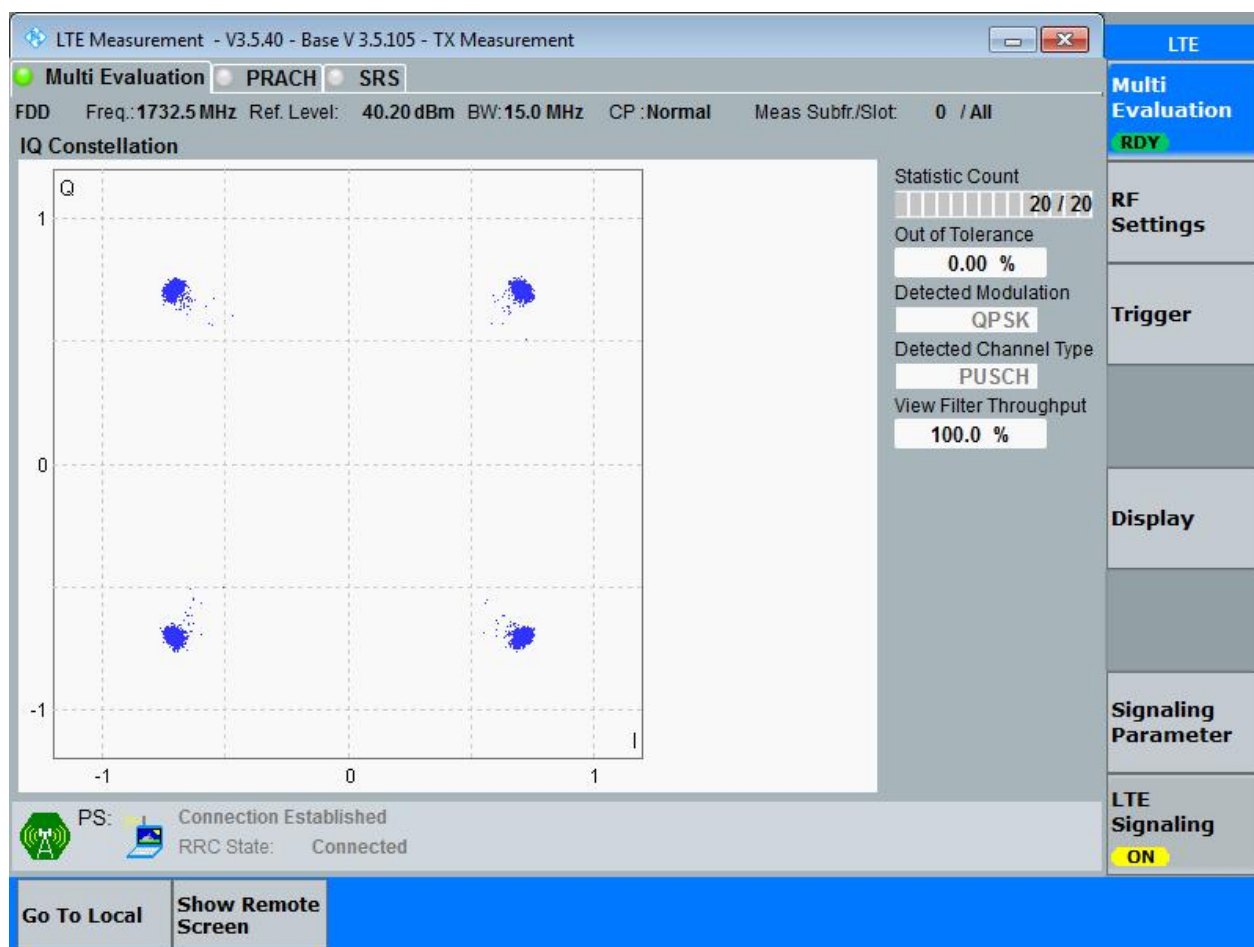
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

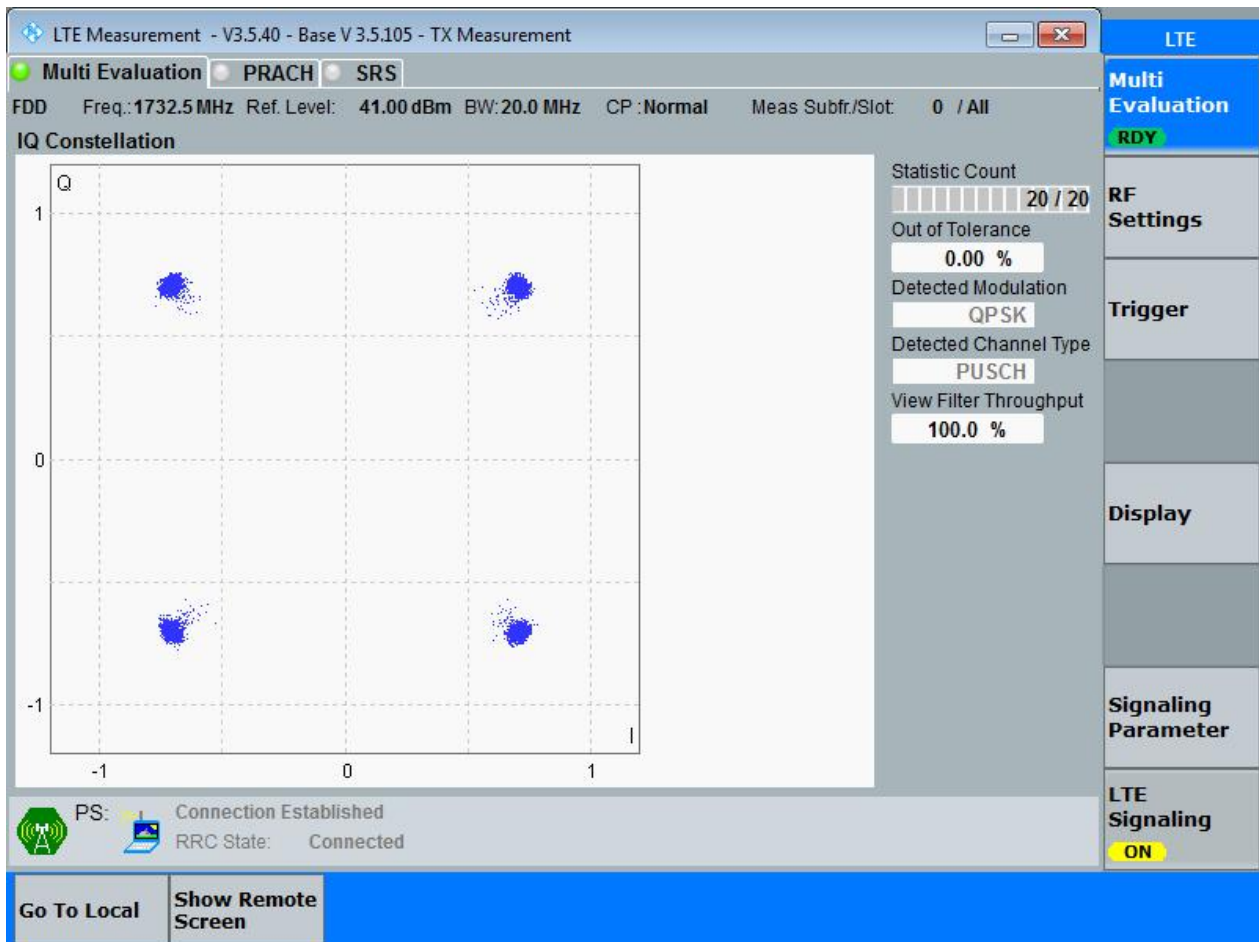
3.1.1.1.5.1.1 Test RB = RB75#0



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

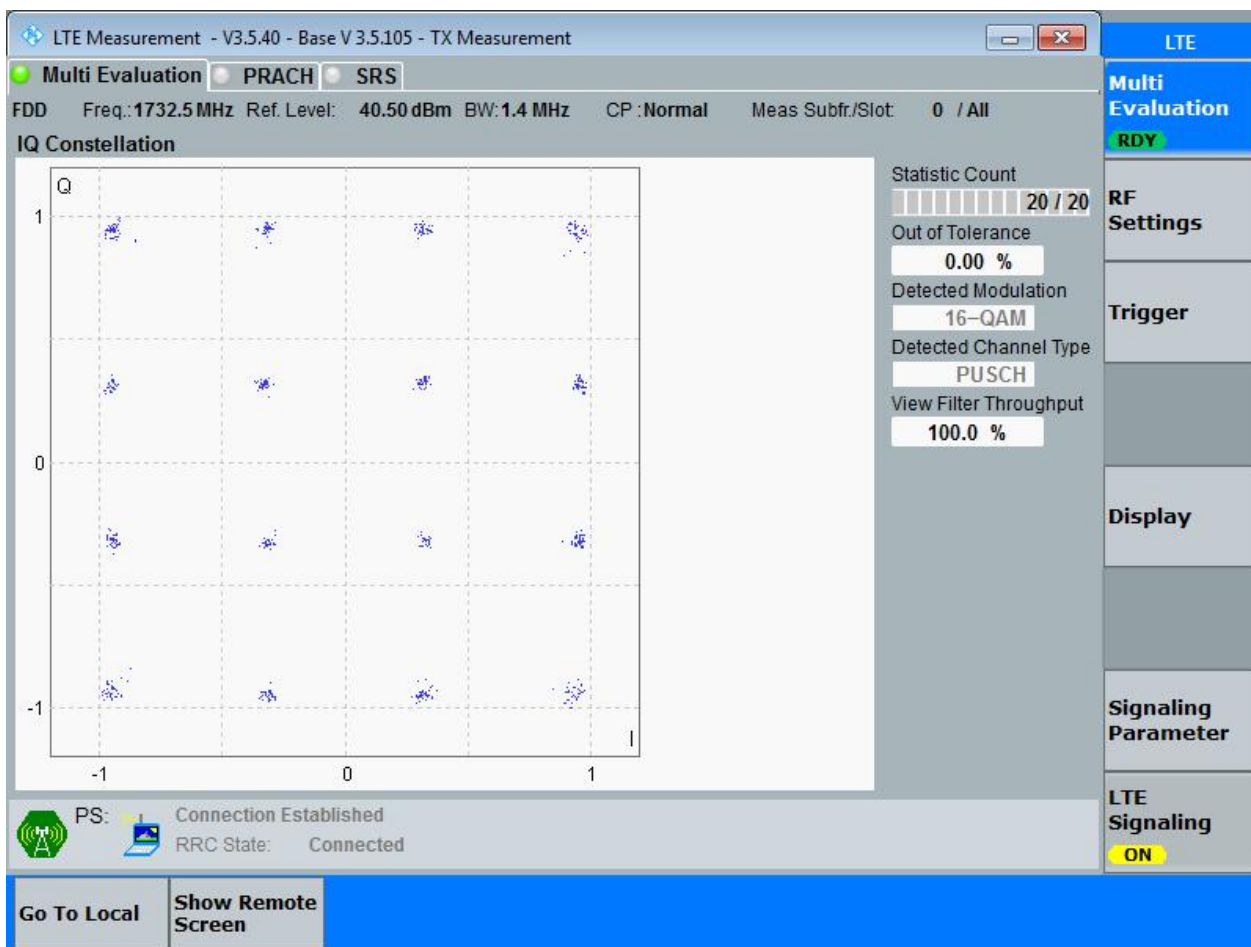


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

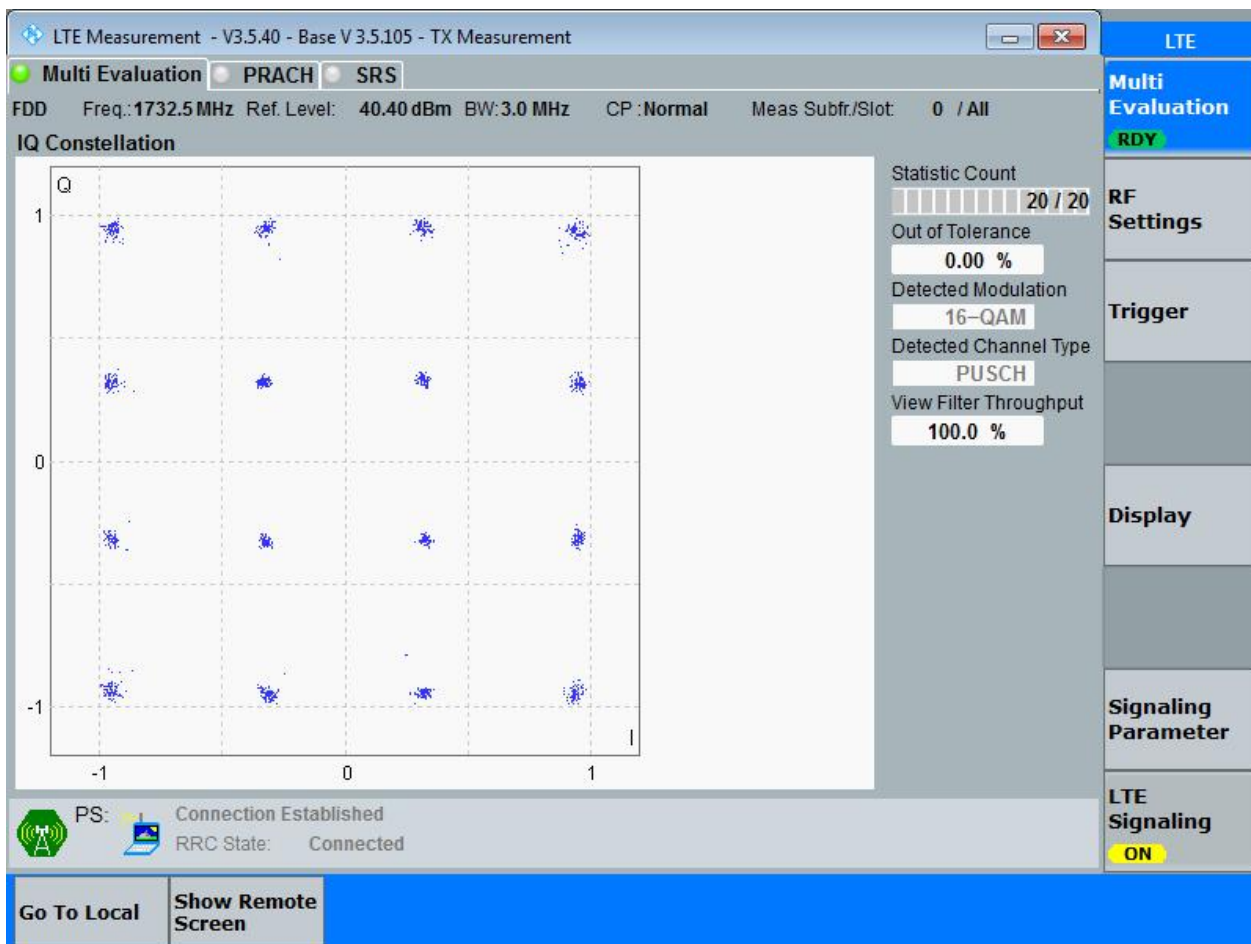
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

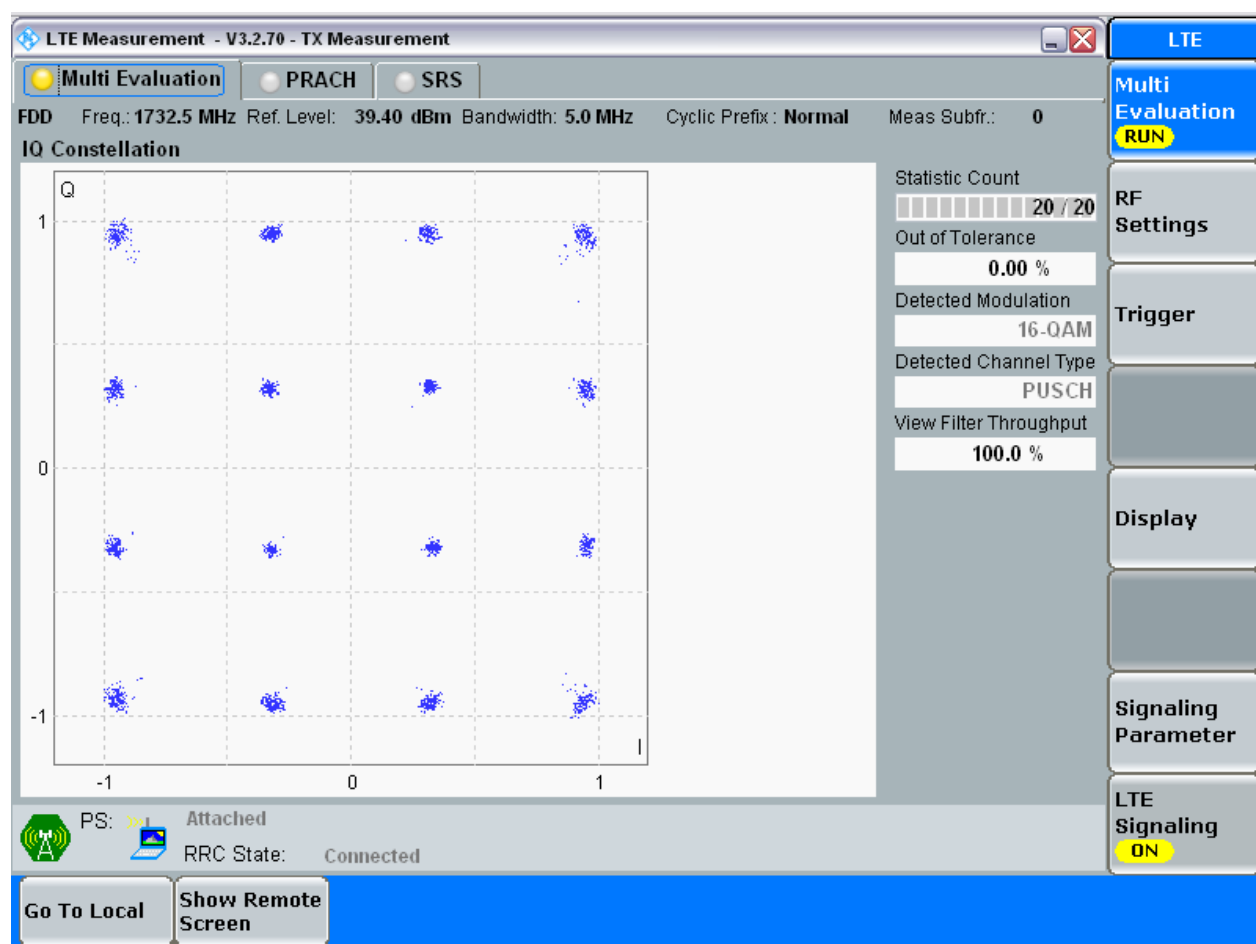
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

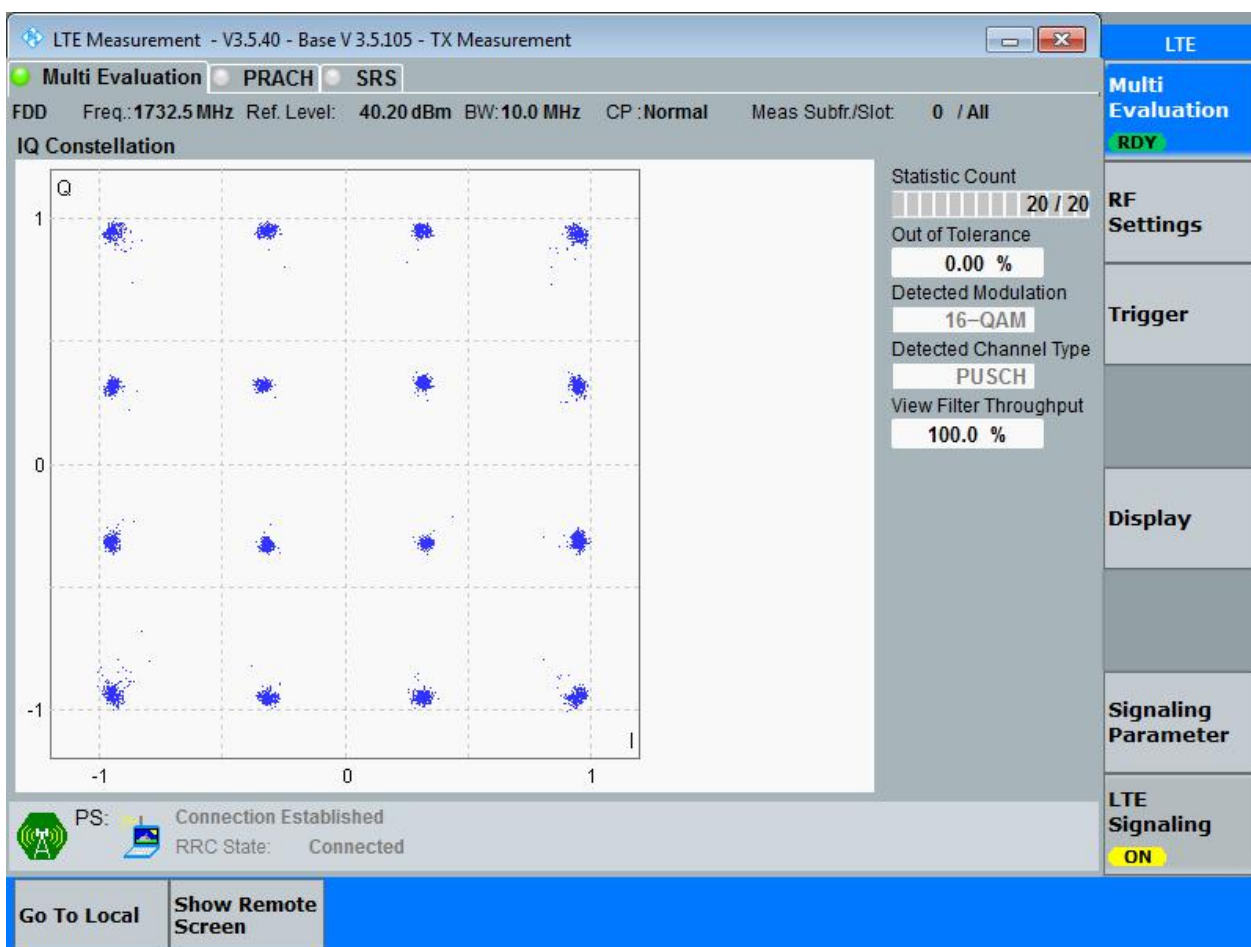
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

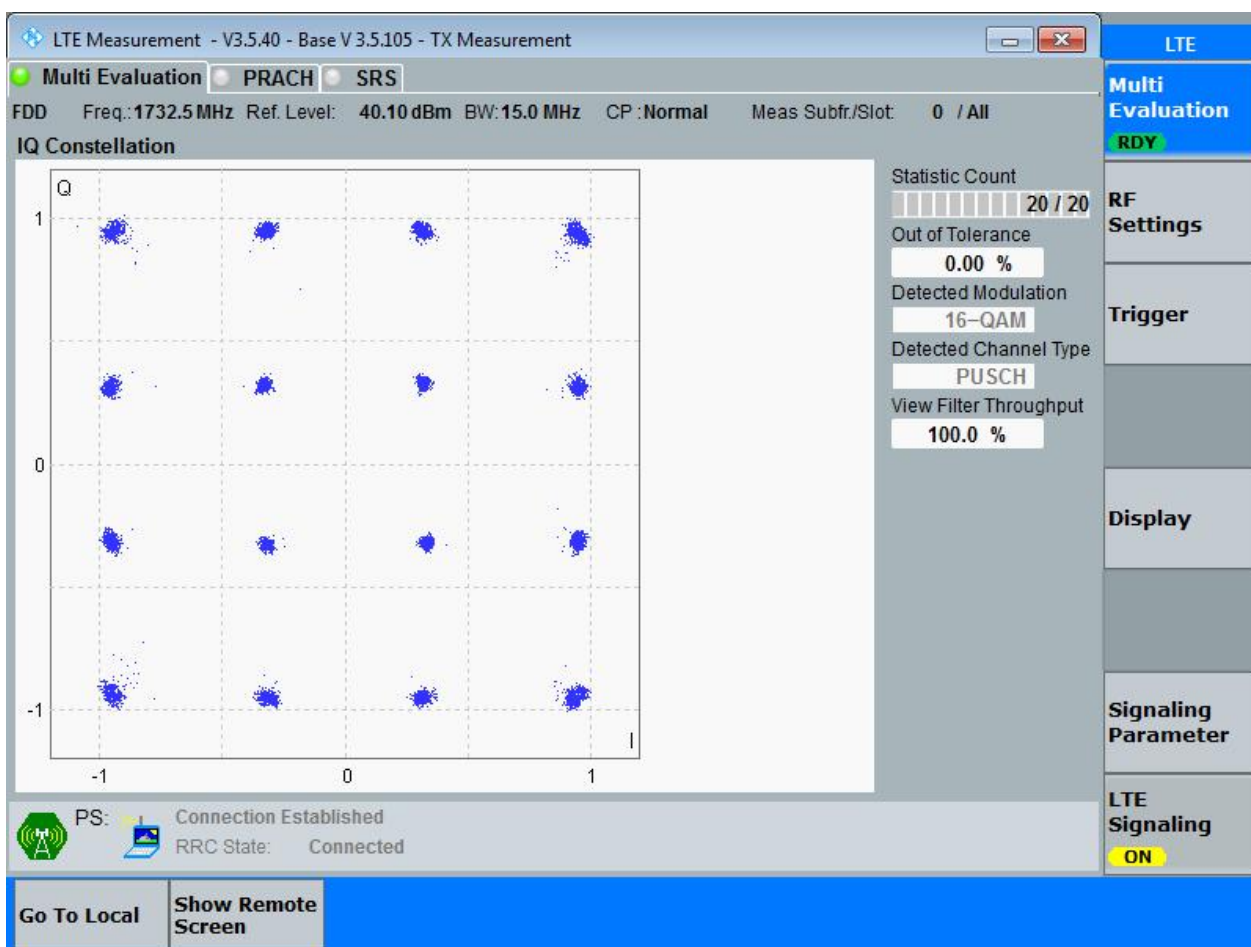
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

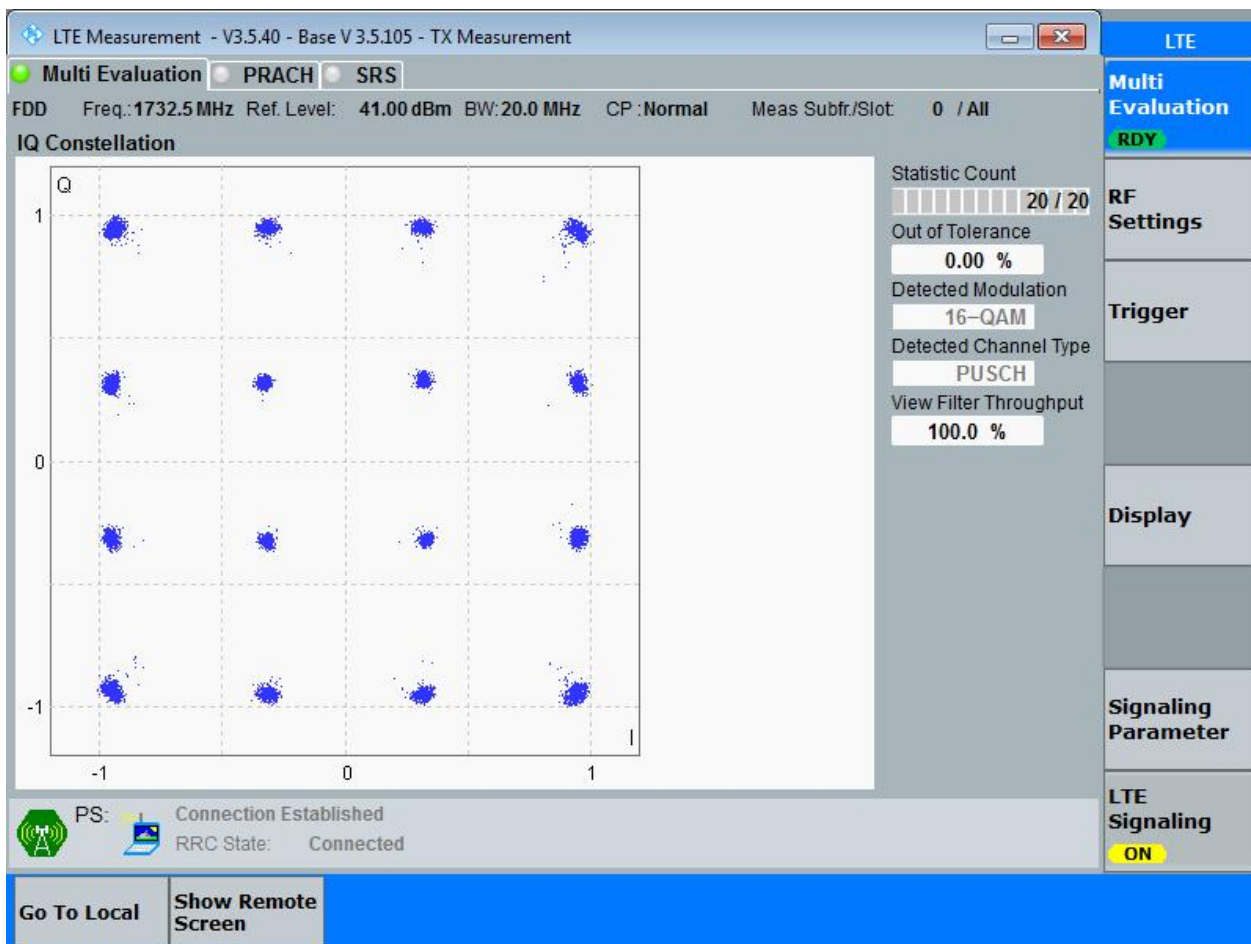
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.28	Pass
			MCH	RB6#0	1.09	1.29	Pass
			HCH	RB6#0	1.09	1.28	Pass
		3	LCH	RB15#0	2.70	3.00	Pass
			MCH	RB15#0	2.70	3.00	Pass
			HCH	RB15#0	2.71	3.01	Pass
		5	LCH	RB25#0	4.52	5.01	Pass
			MCH	RB25#0	4.52	5.03	Pass
			HCH	RB25#0	4.50	5.00	Pass
		10	LCH	RB50#0	8.97	9.90	Pass
			MCH	RB50#0	8.98	9.94	Pass
			HCH	RB50#0	8.96	9.89	Pass
		15	LCH	RB75#0	13.46	14.85	Pass
			MCH	RB75#0	13.45	14.85	Pass
			HCH	RB75#0	13.45	14.73	Pass
		20	LCH	RB100#0	17.92	19.41	Pass
			MCH	RB100#0	17.88	19.35	Pass
			HCH	RB100#0	17.92	19.59	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.31	Pass
			MCH	RB6#0	1.10	1.32	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.71	3.00	Pass
			MCH	RB15#0	2.71	3.01	Pass
			HCH	RB15#0	2.70	3.01	Pass
		5	LCH	RB25#0	4.51	5.03	Pass
			MCH	RB25#0	4.52	5.03	Pass
			HCH	RB25#0	4.52	5.06	Pass
		10	LCH	RB50#0	8.98	9.92	Pass
			MCH	RB50#0	8.96	9.93	Pass
			HCH	RB50#0	8.99	9.92	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.45	14.75	Pass
			MCH	RB75#0	13.43	14.75	Pass
			HCH	RB75#0	13.42	14.75	Pass
		20	LCH	RB100#0	17.91	19.49	Pass
			MCH	RB100#0	17.88	19.47	Pass
			HCH	RB100#0	17.88	19.51	Pass

Part II - Test Plots

4.1 For LTE

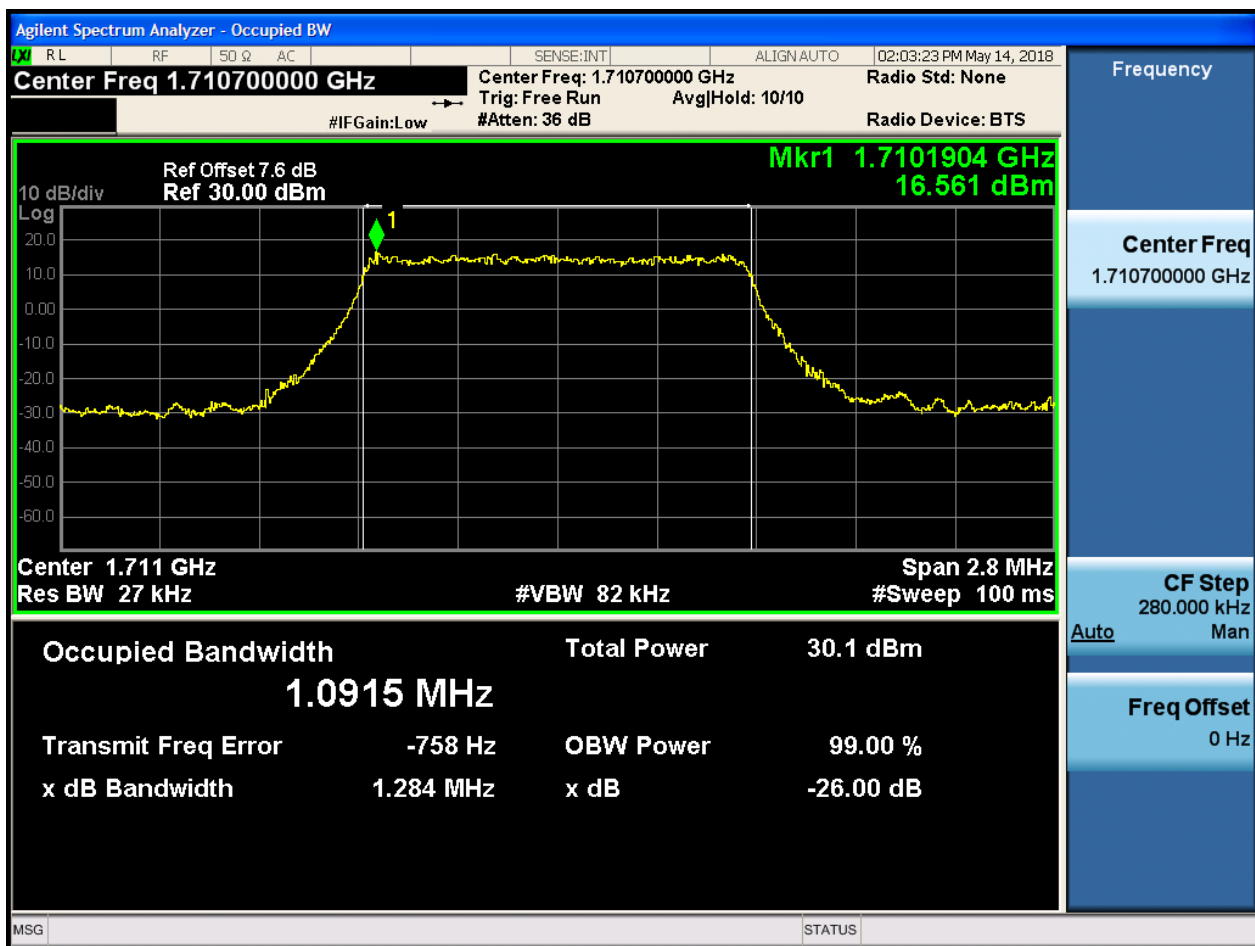
4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

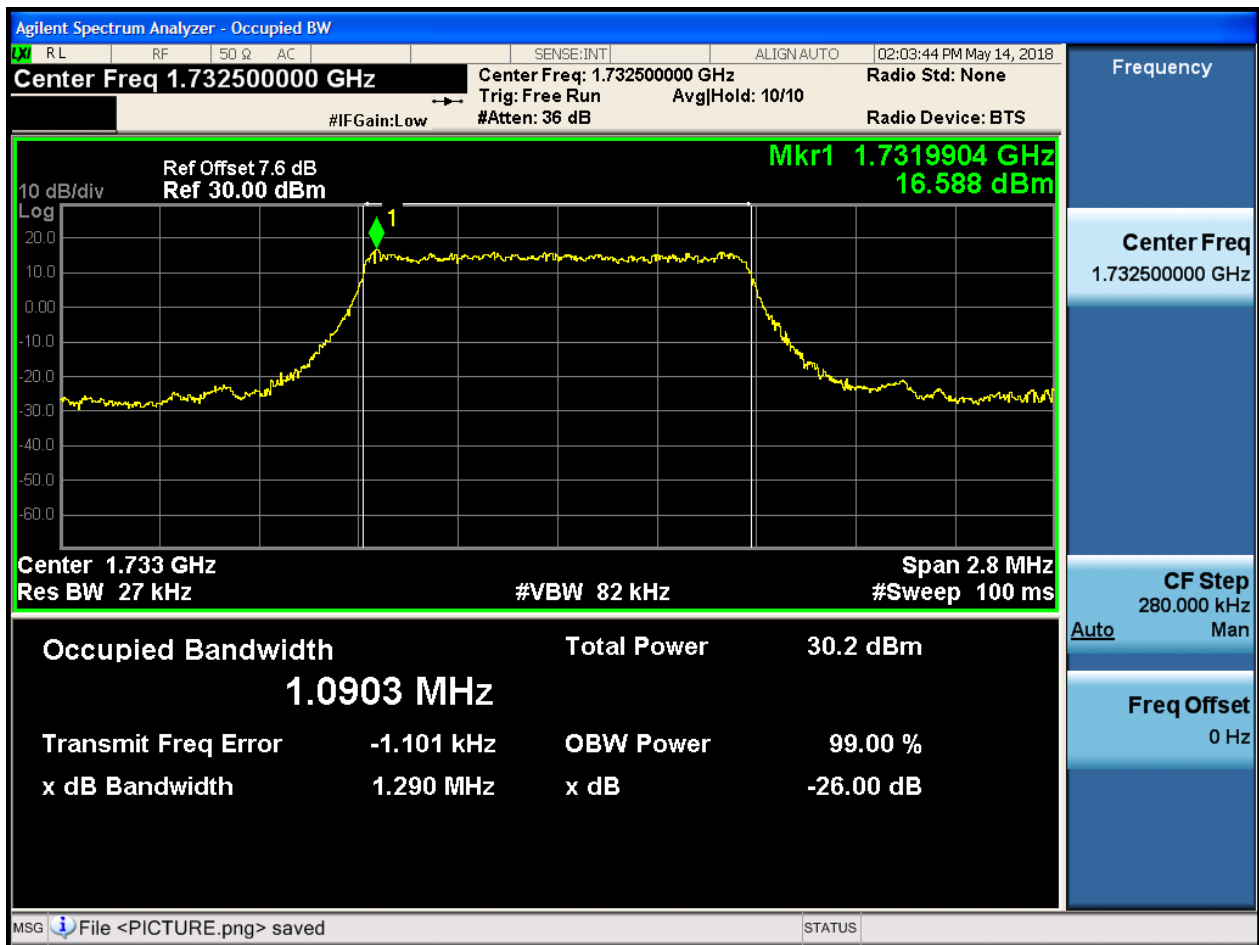
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



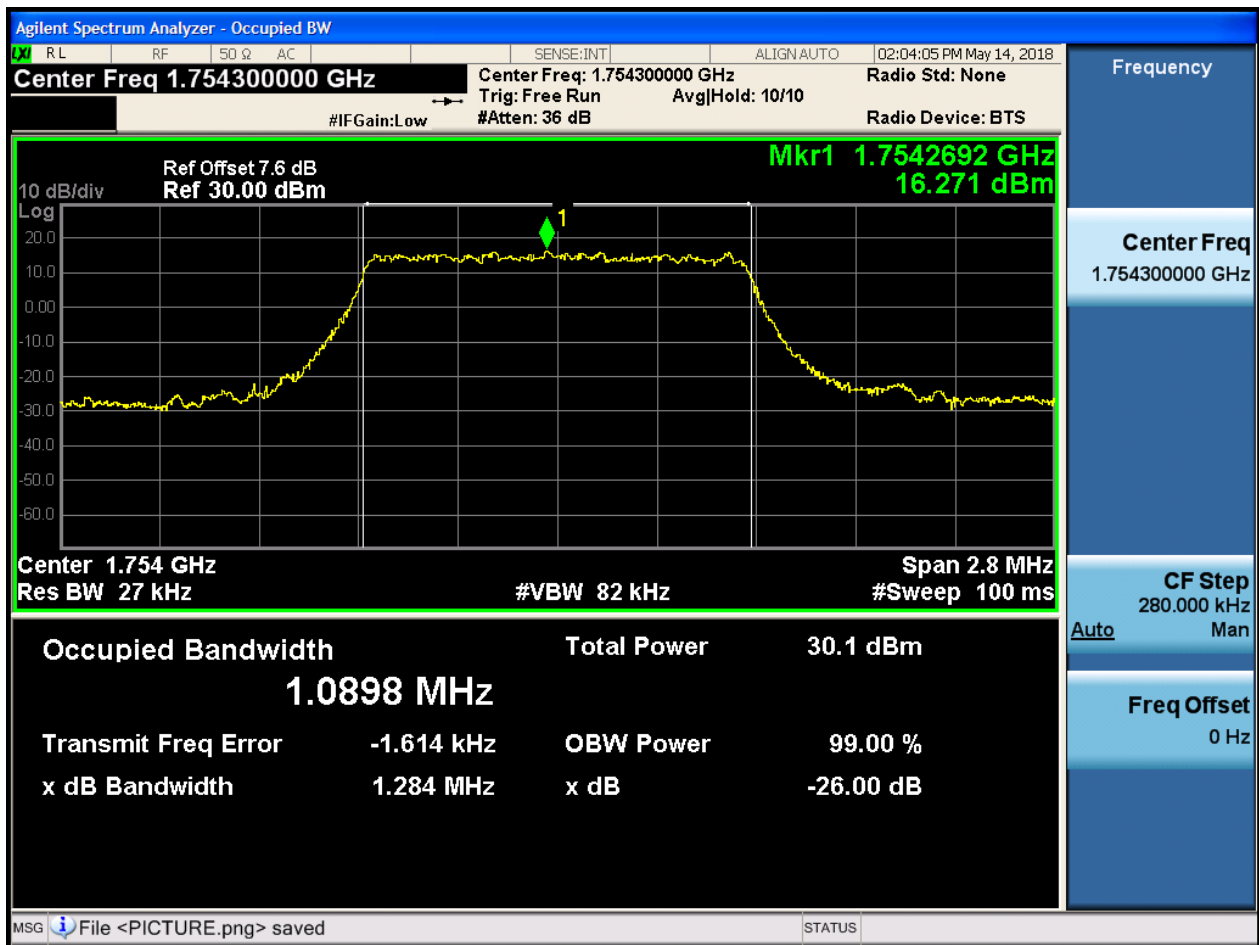
4.1.1.1.1.2 Test Channel = MCH

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

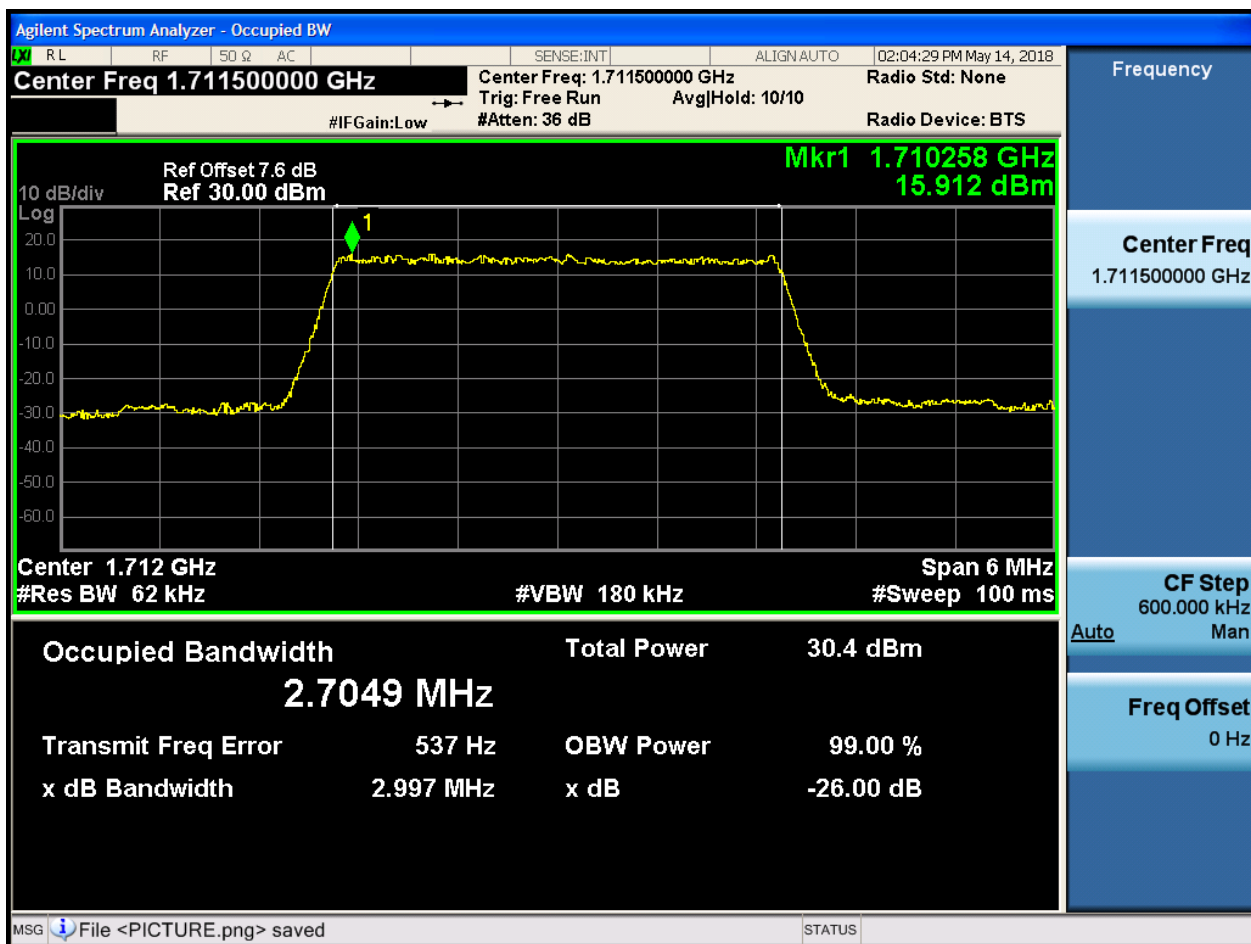




4.1.1.1.2 Test Bandwidth = 3

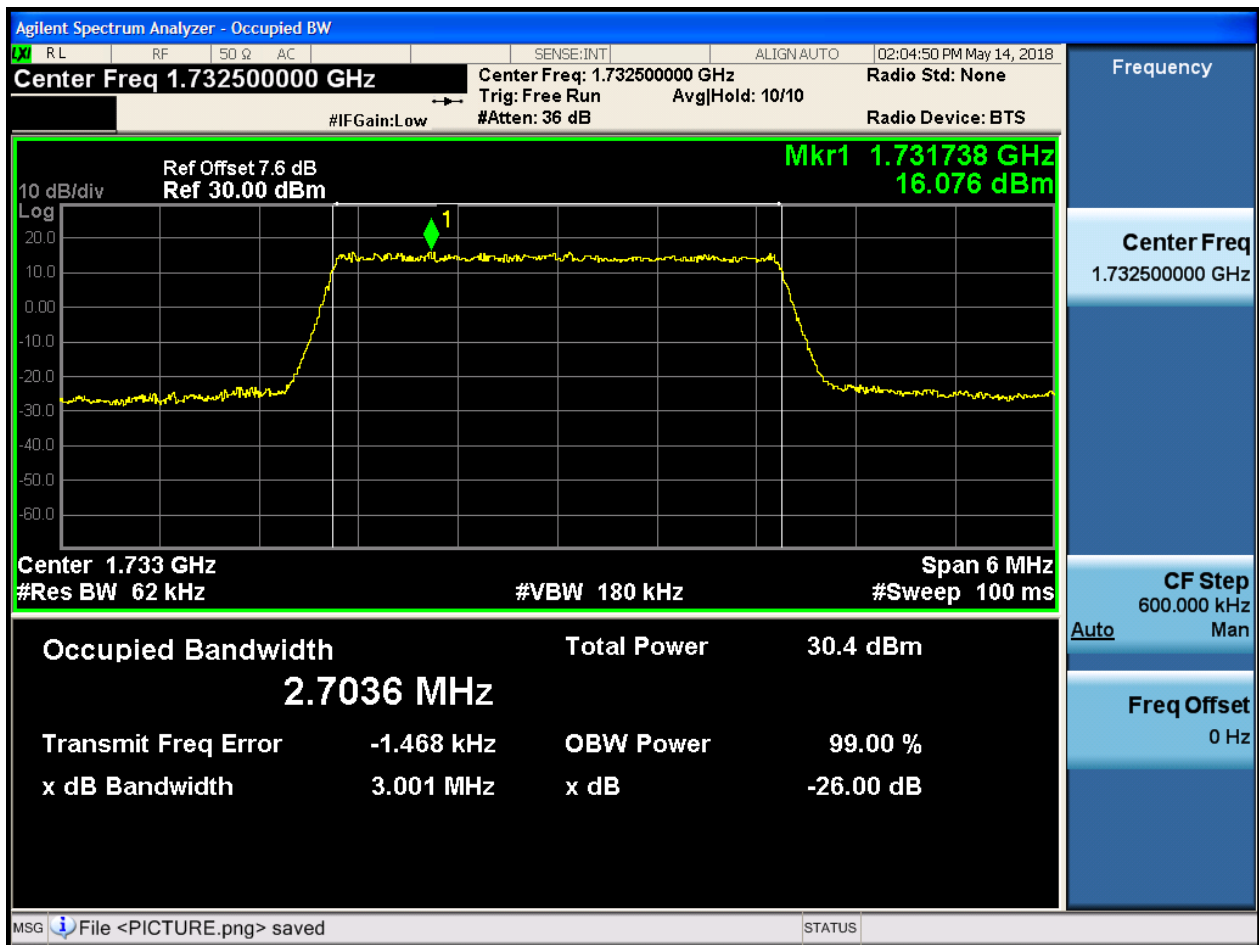
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



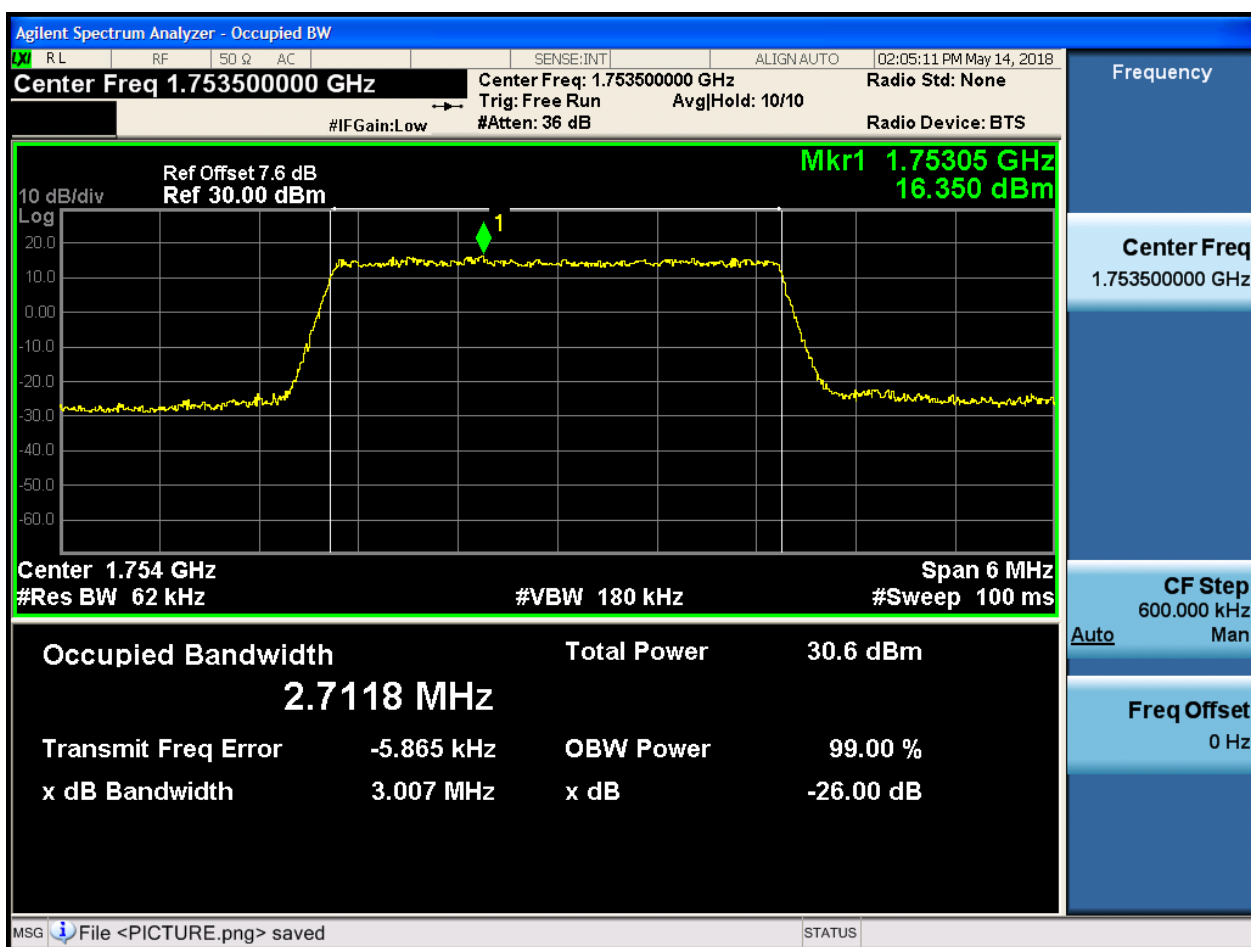
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0



4.1.1.1.2.3 Test Channel = HCH

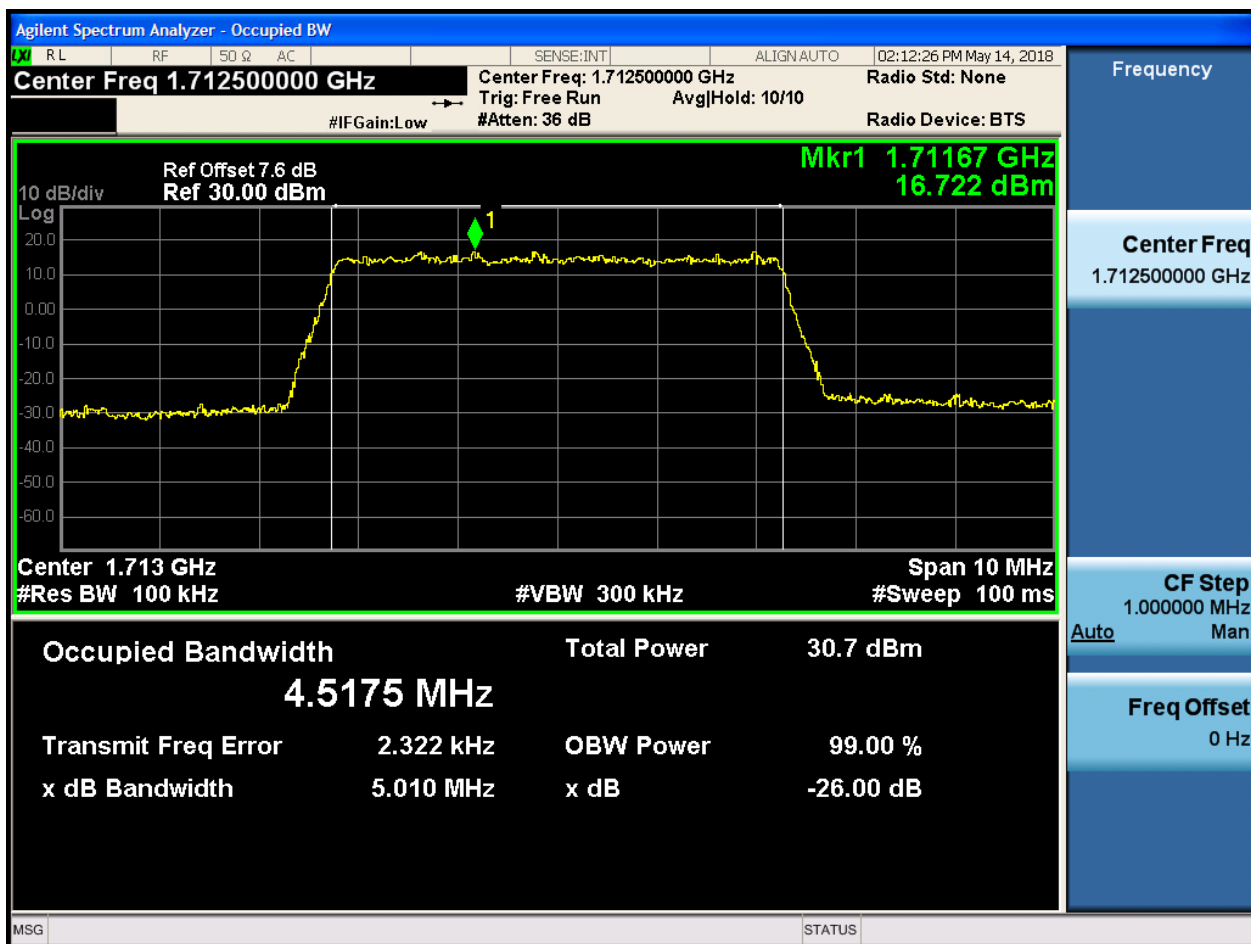
4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

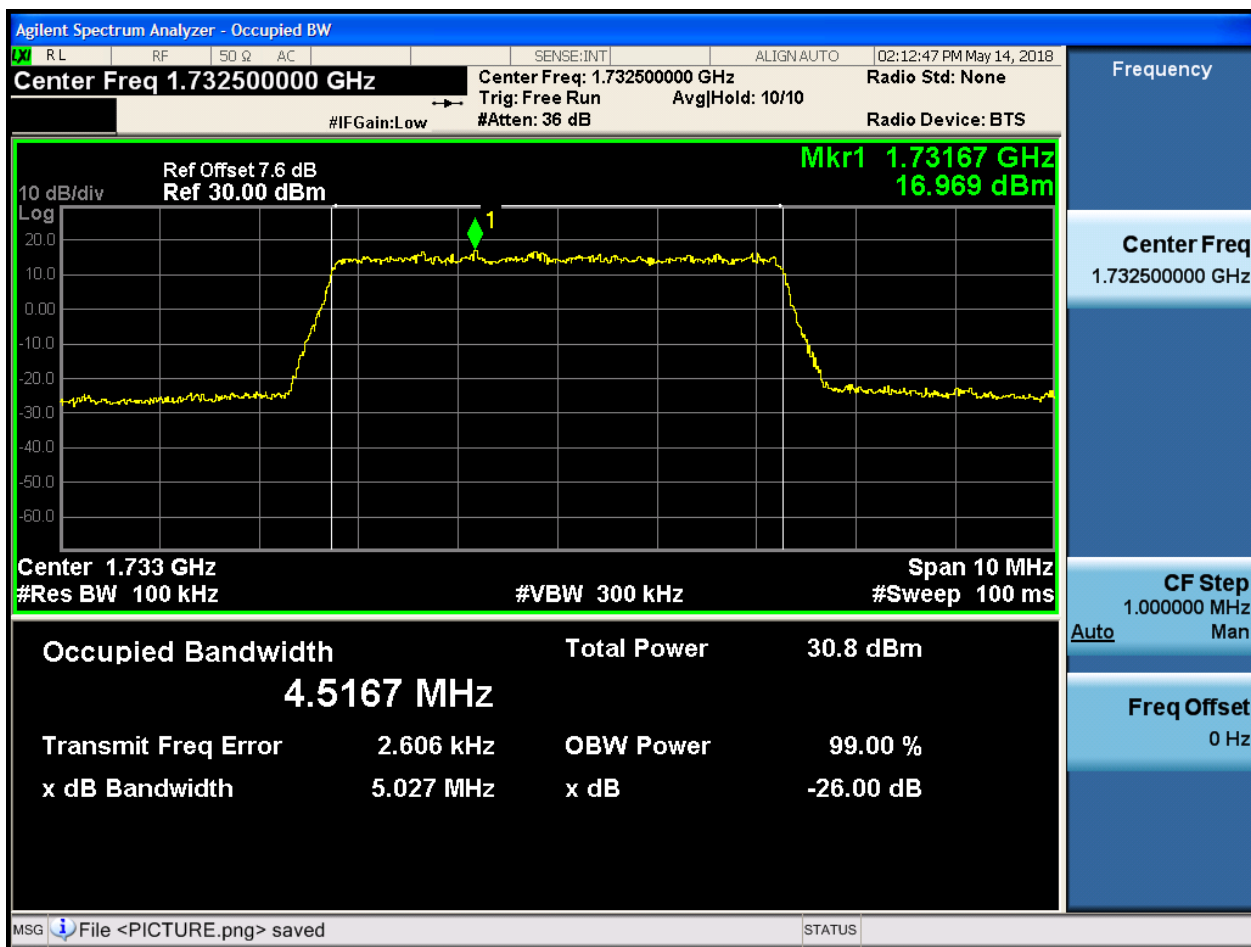
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



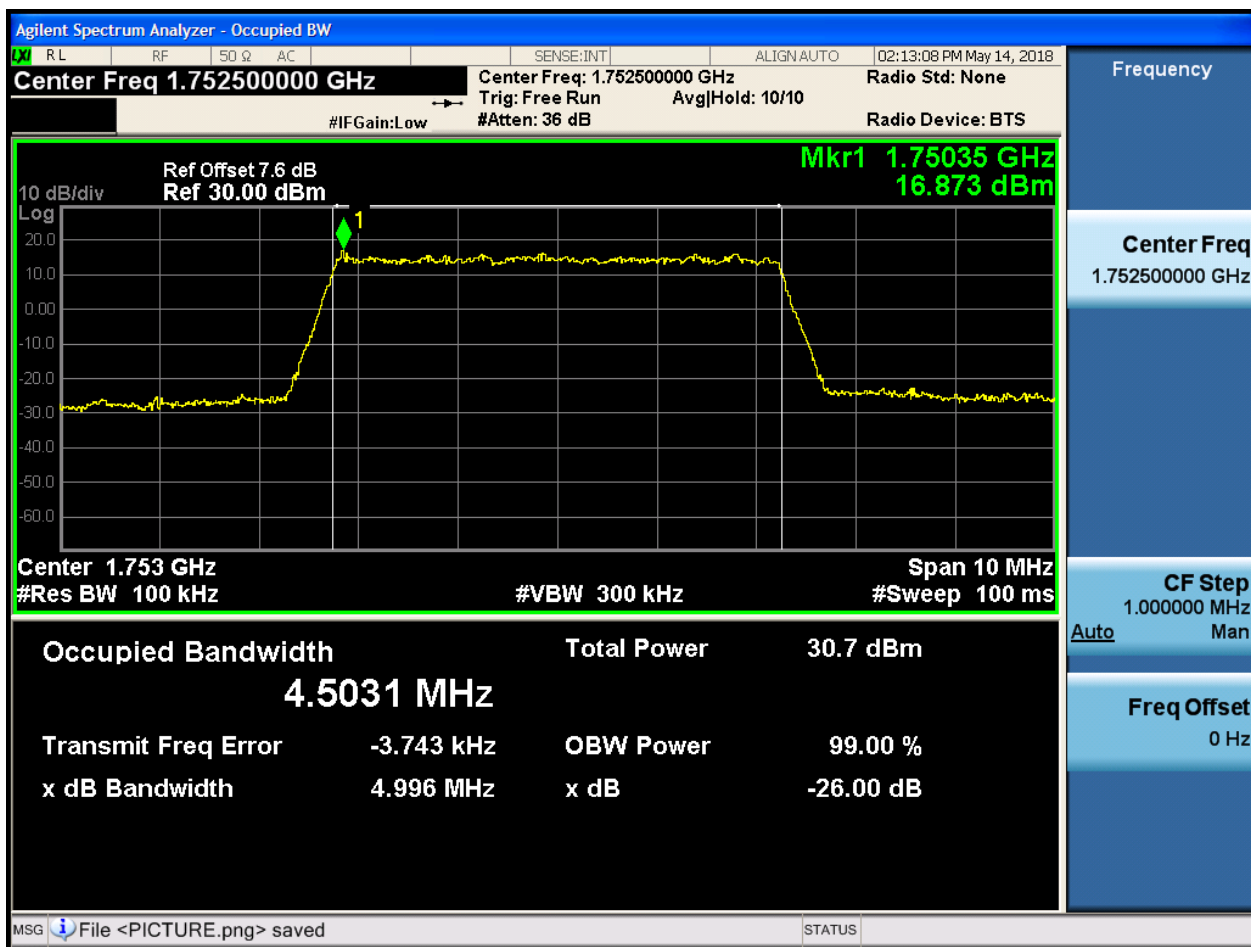
4.1.1.1.3.2 Test Channel = MCH

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

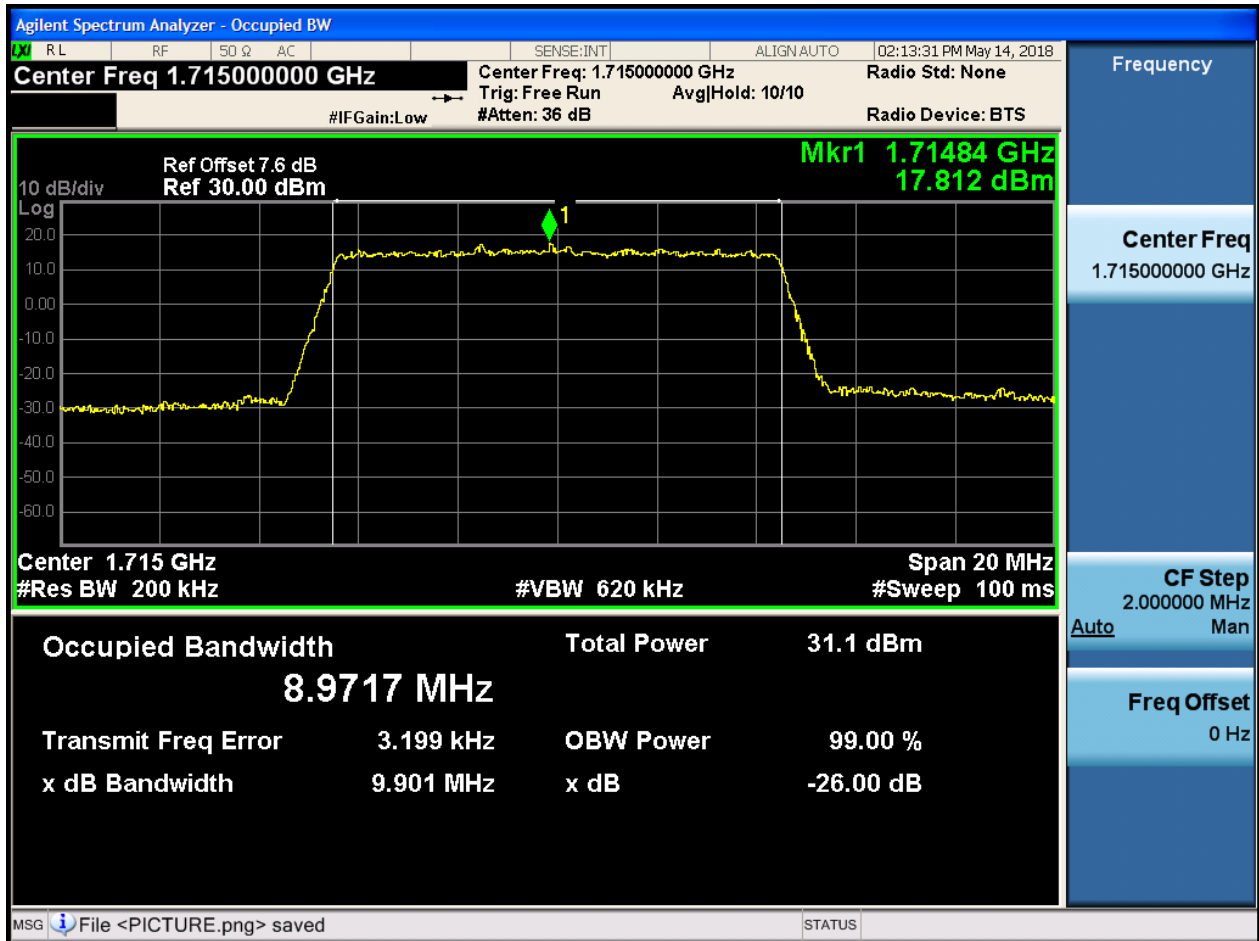




4.1.1.1.4 Test Bandwidth = 10

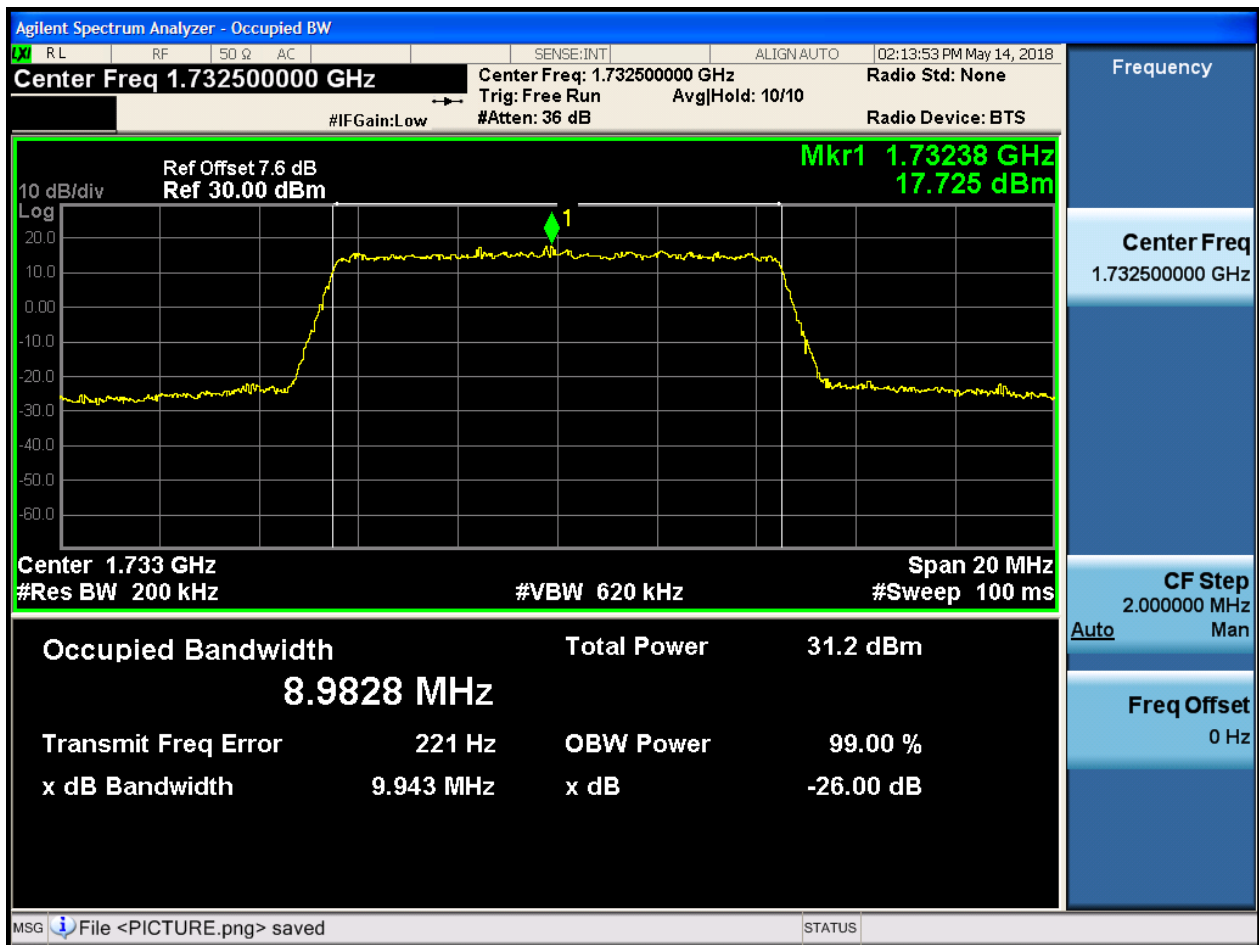
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



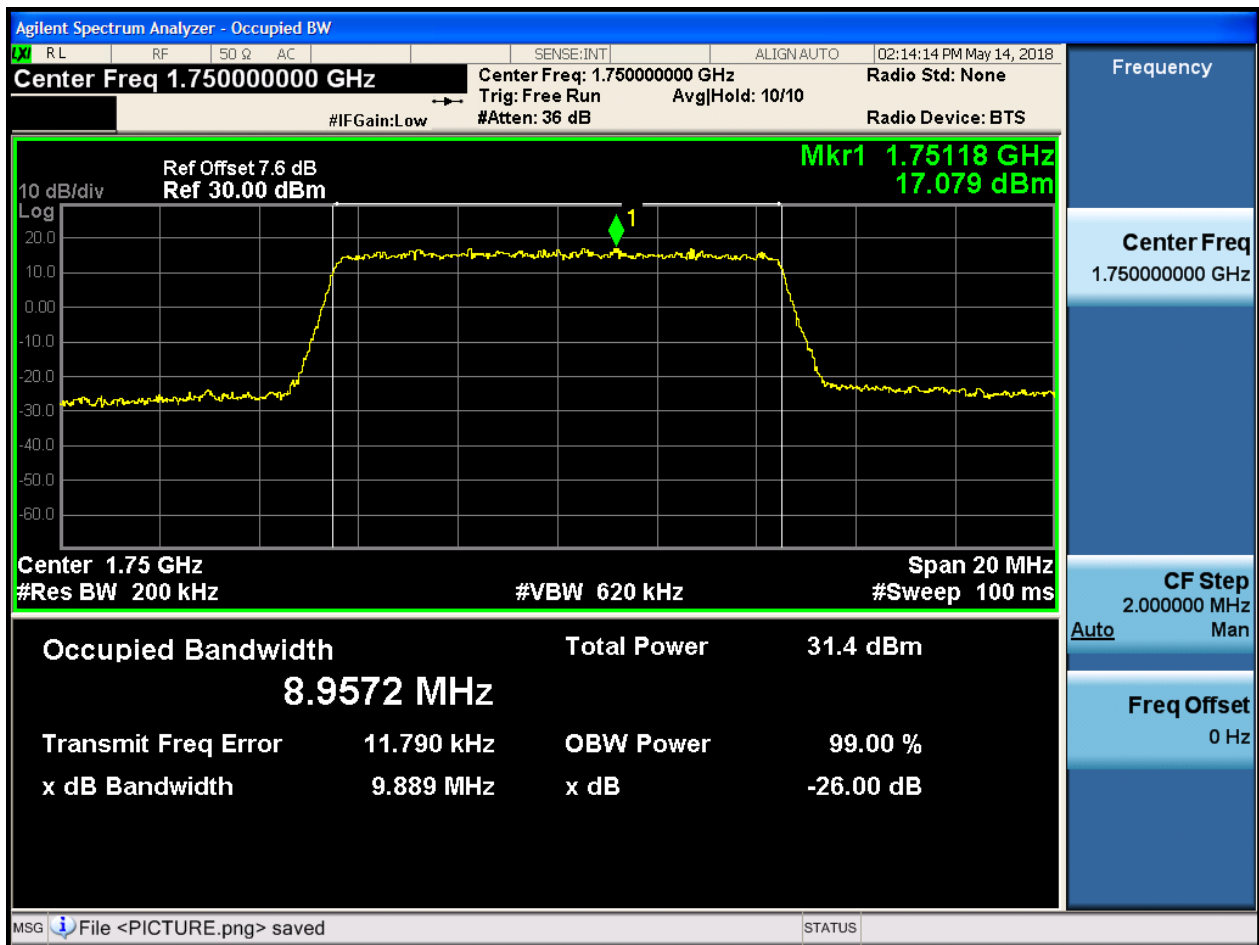
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0



4.1.1.1.4.3 Test Channel = HCH

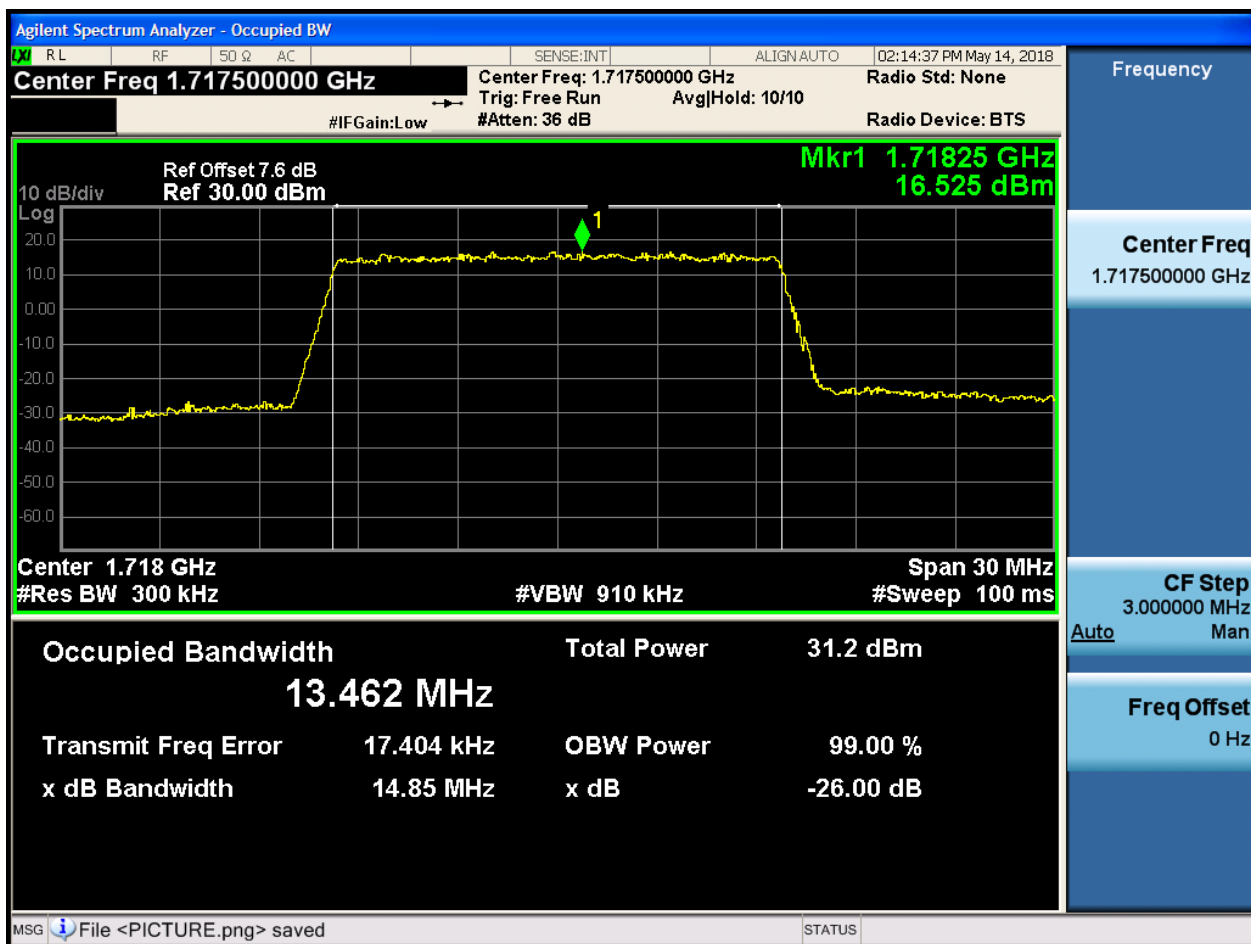
4.1.1.1.4.3.1 Test RB = RB50#0



4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

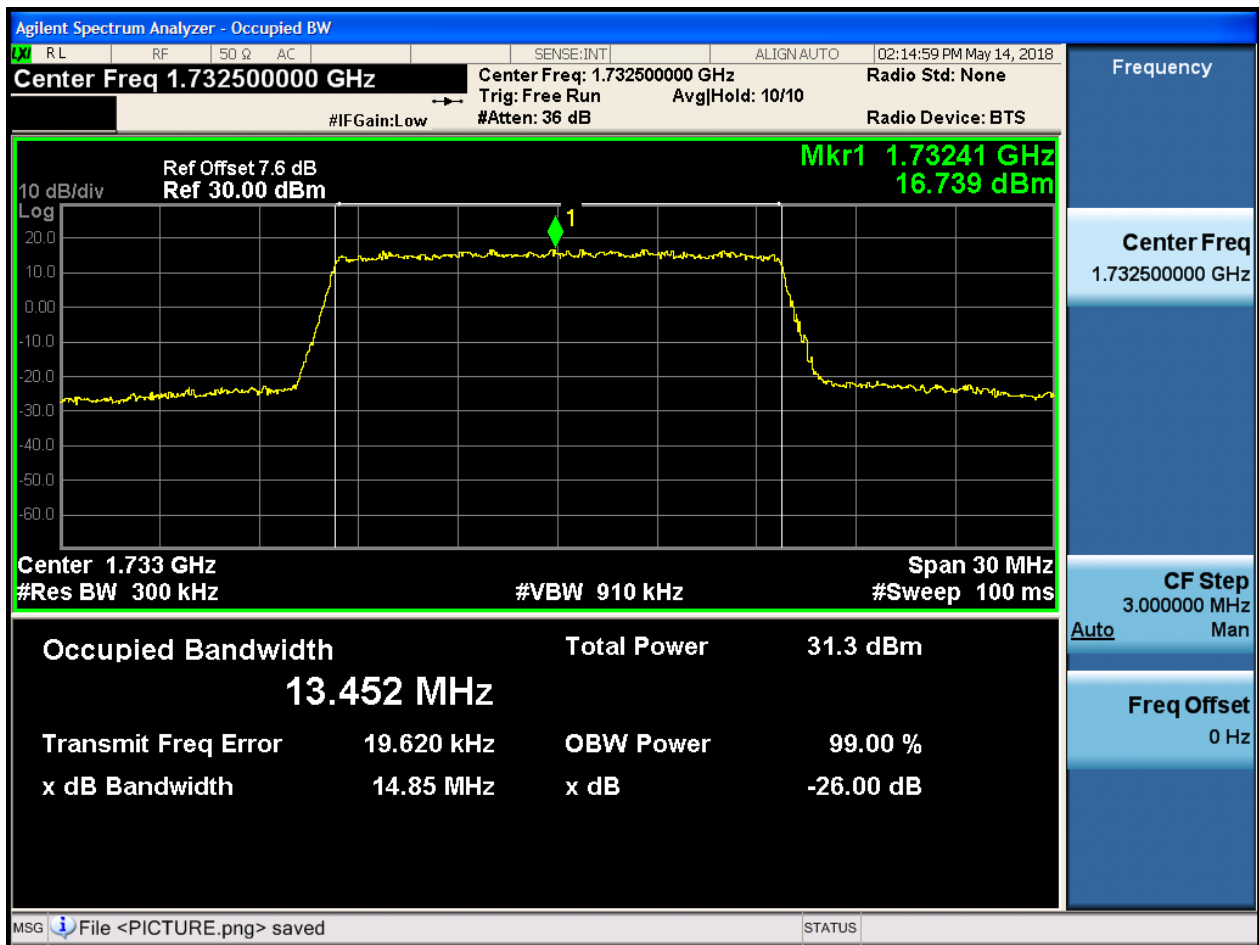
4.1.1.1.5.1.1 Test RB = RB75#0





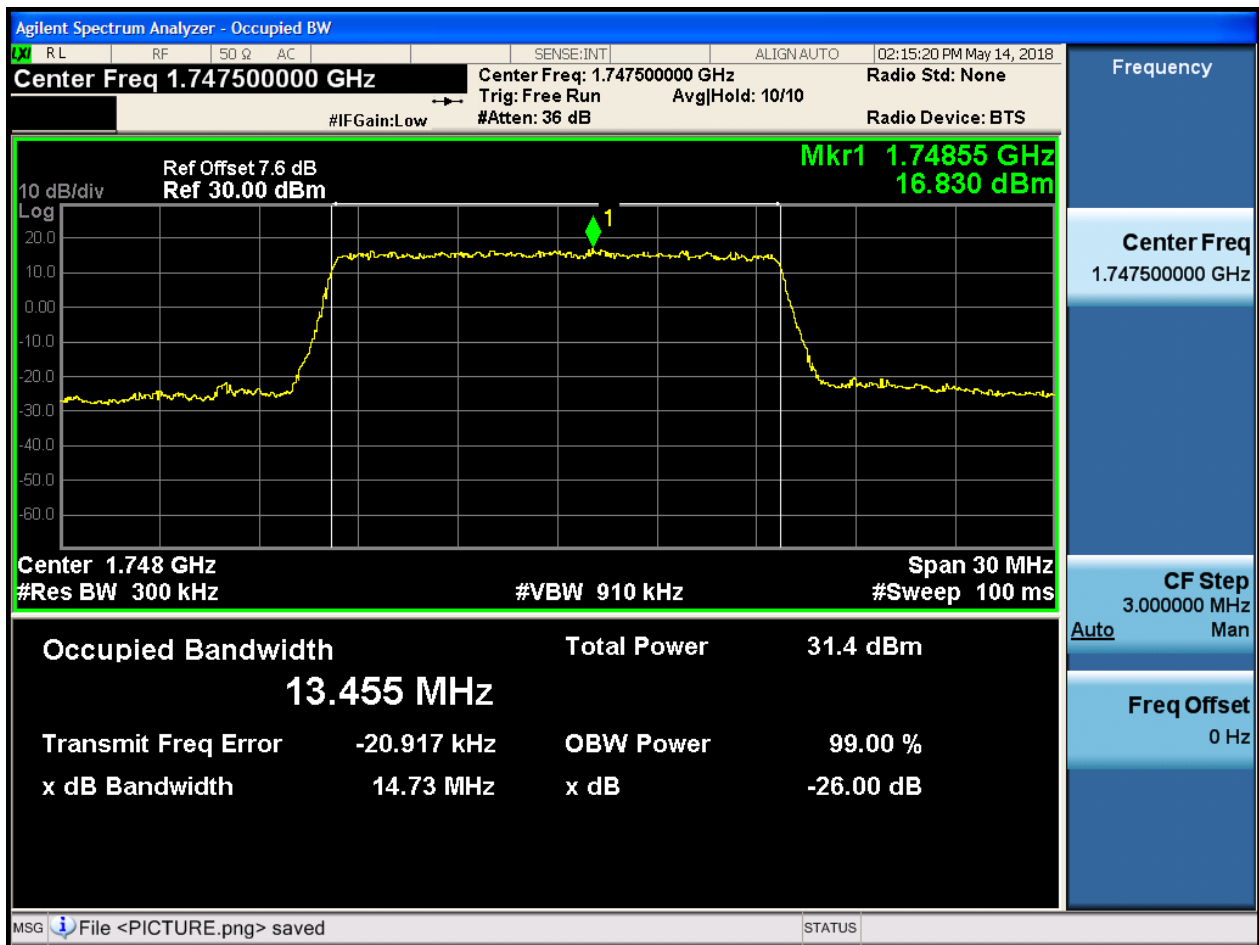
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0



4.1.1.1.5.3 Test Channel = HCH

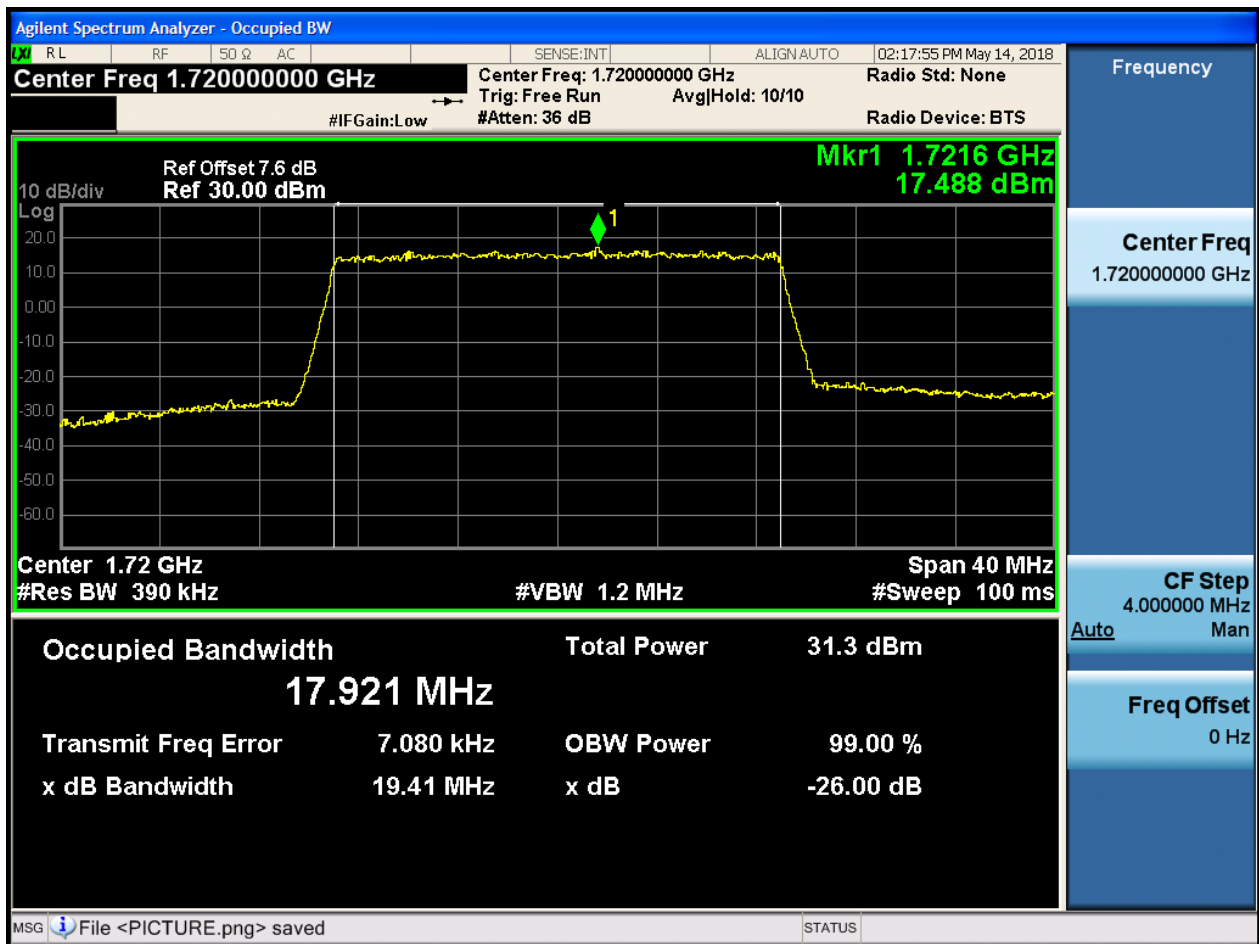
4.1.1.1.5.3.1 Test RB = RB75#0



4.1.1.1.6 Test Bandwidth = 20

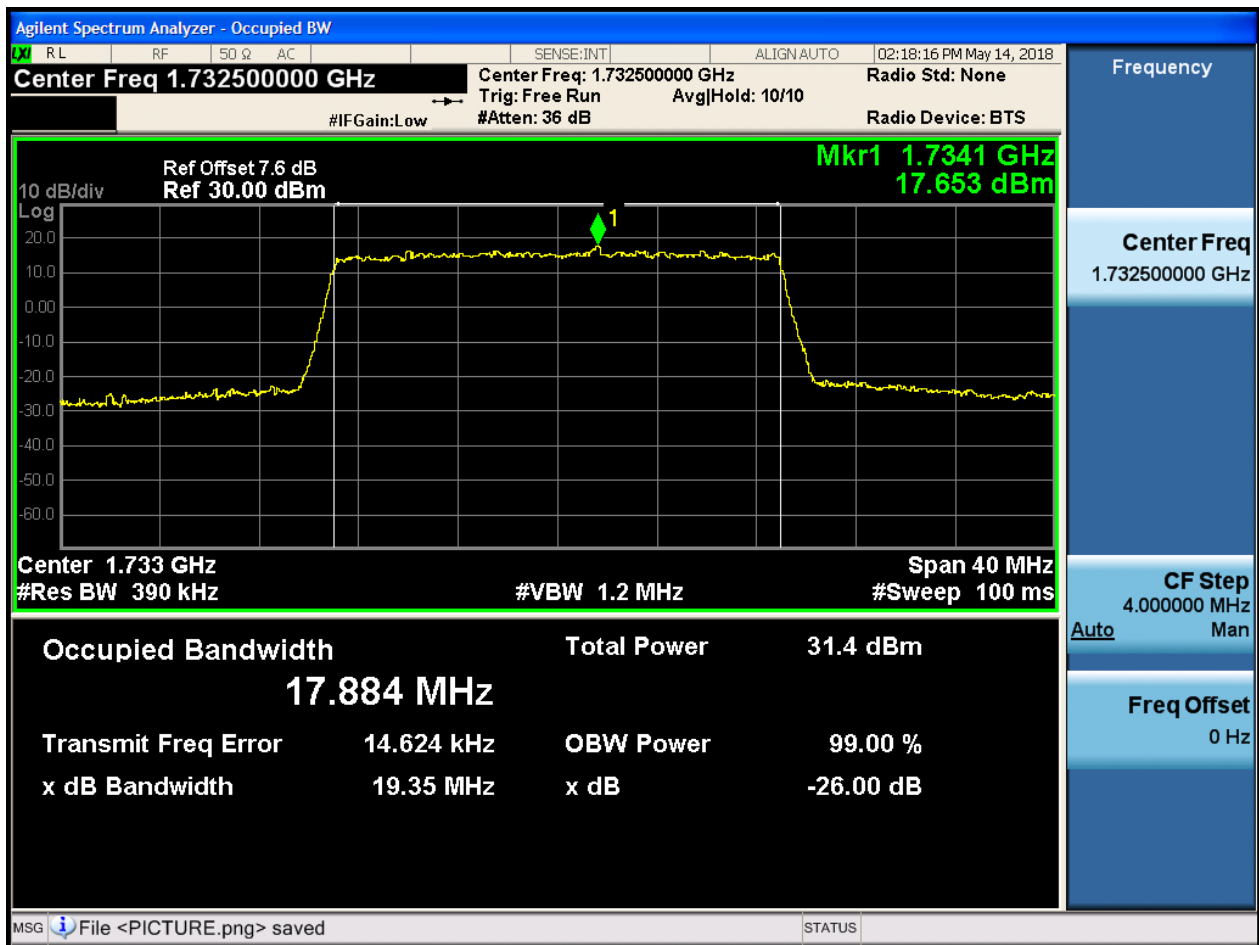
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



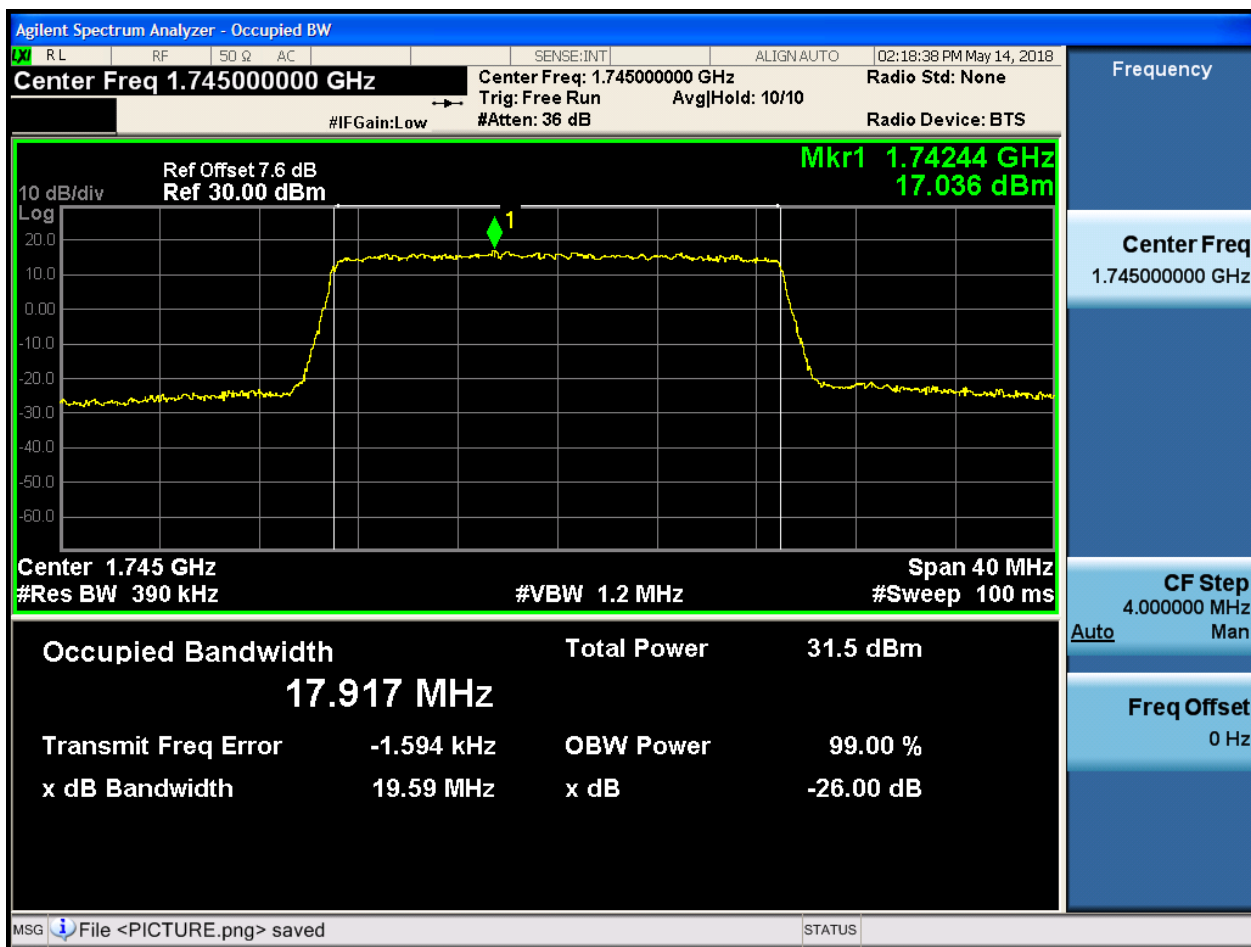
4.1.1.1.6.2 Test Channel = MCH

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

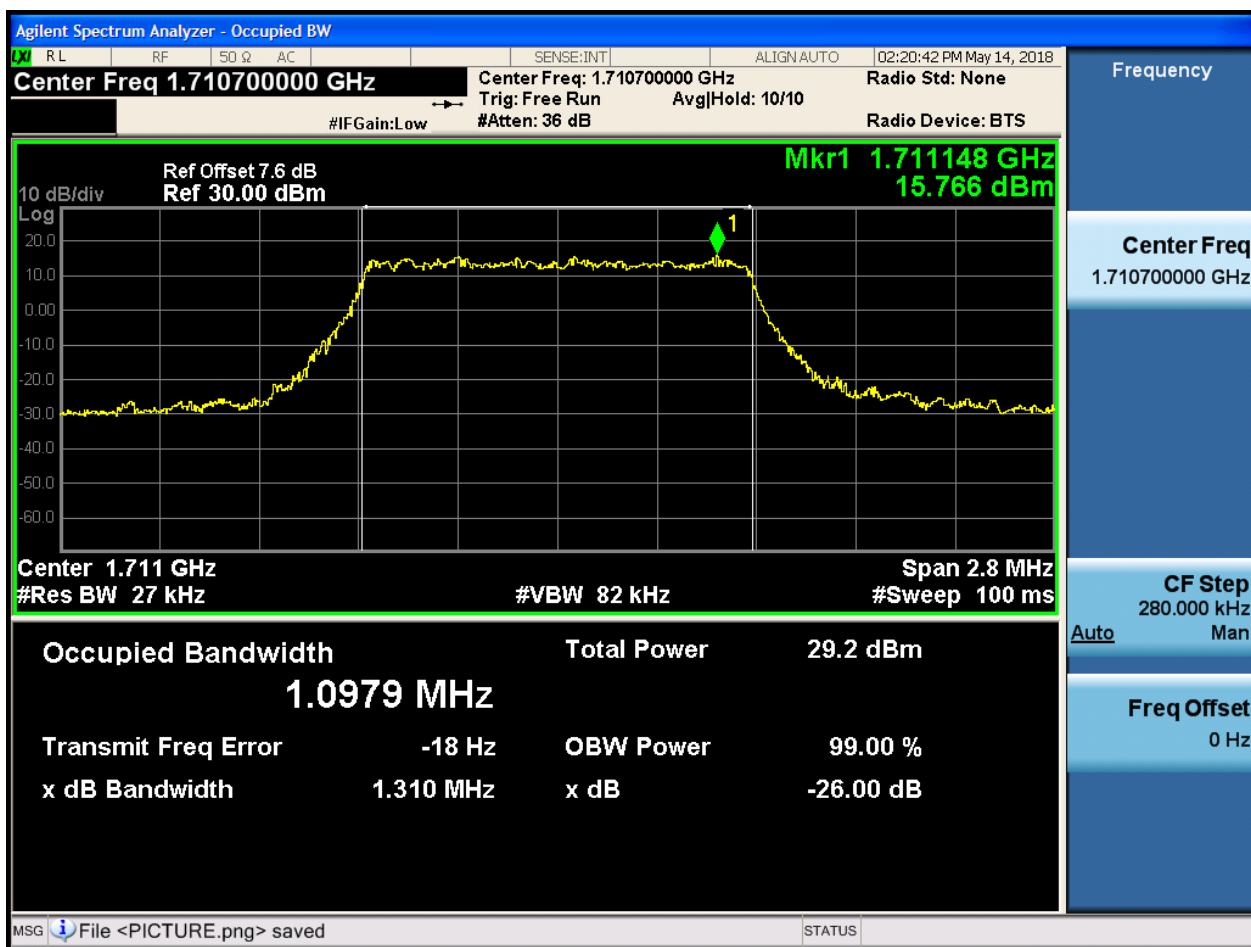


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

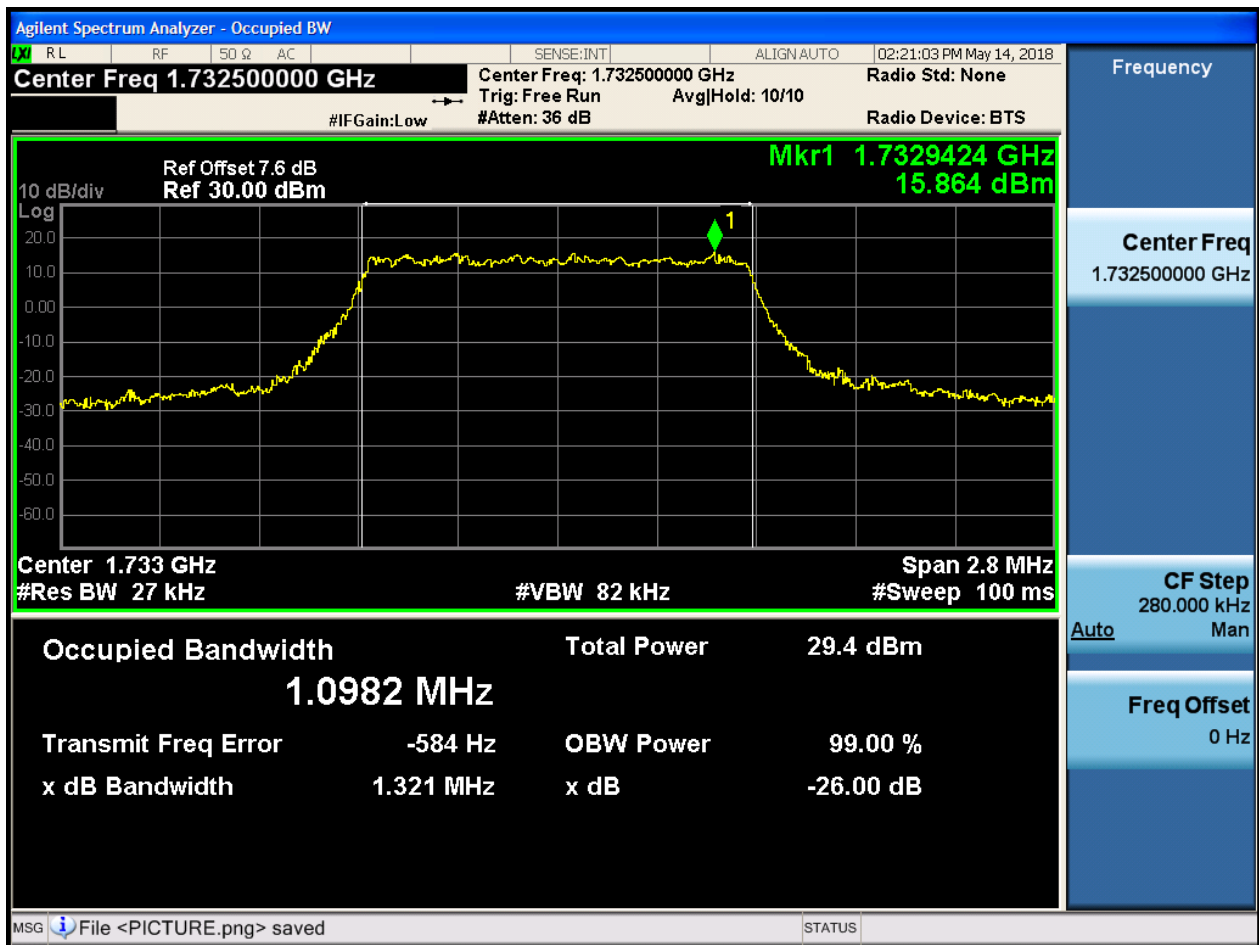
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



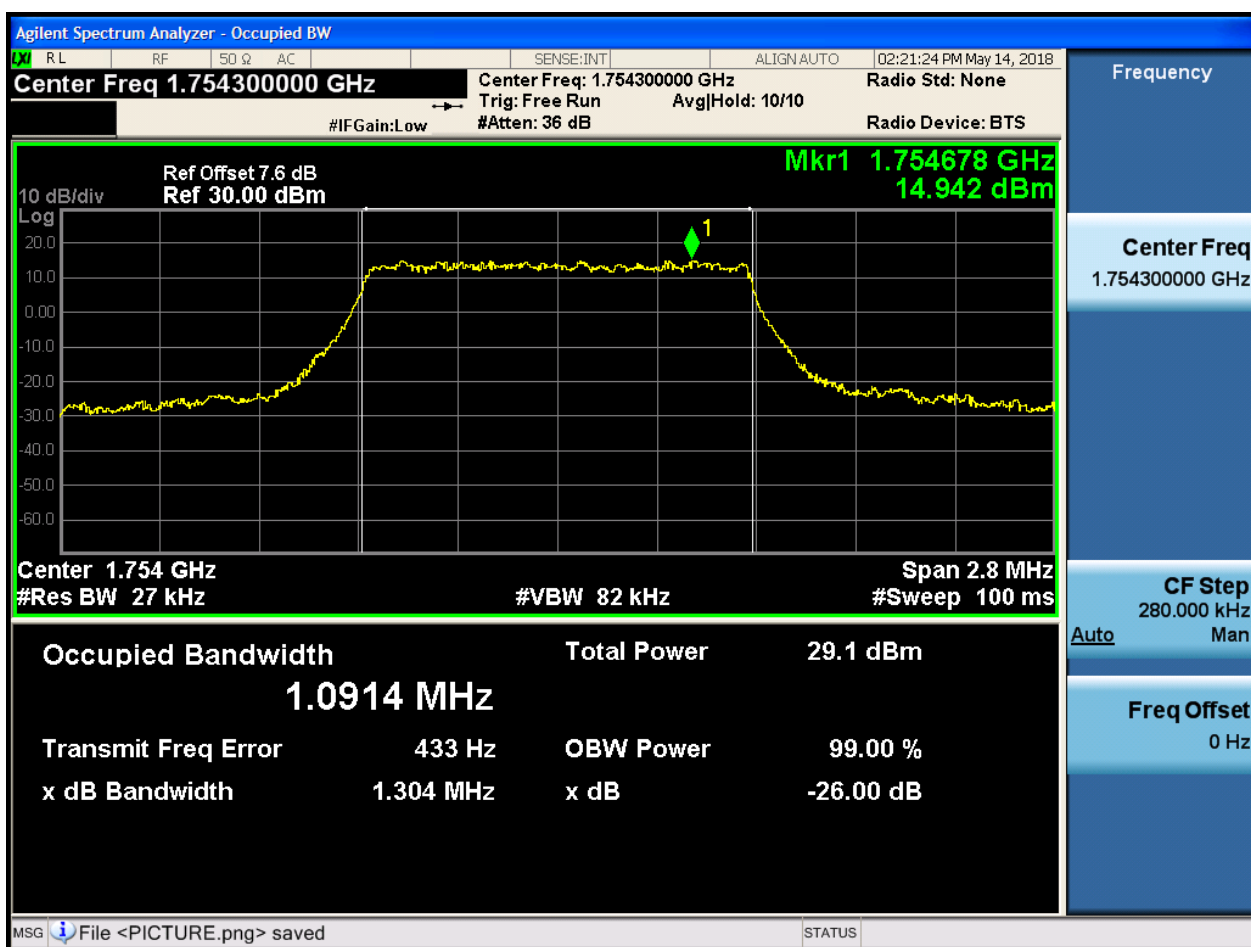
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0



4.1.1.2.1.3 Test Channel = HCH

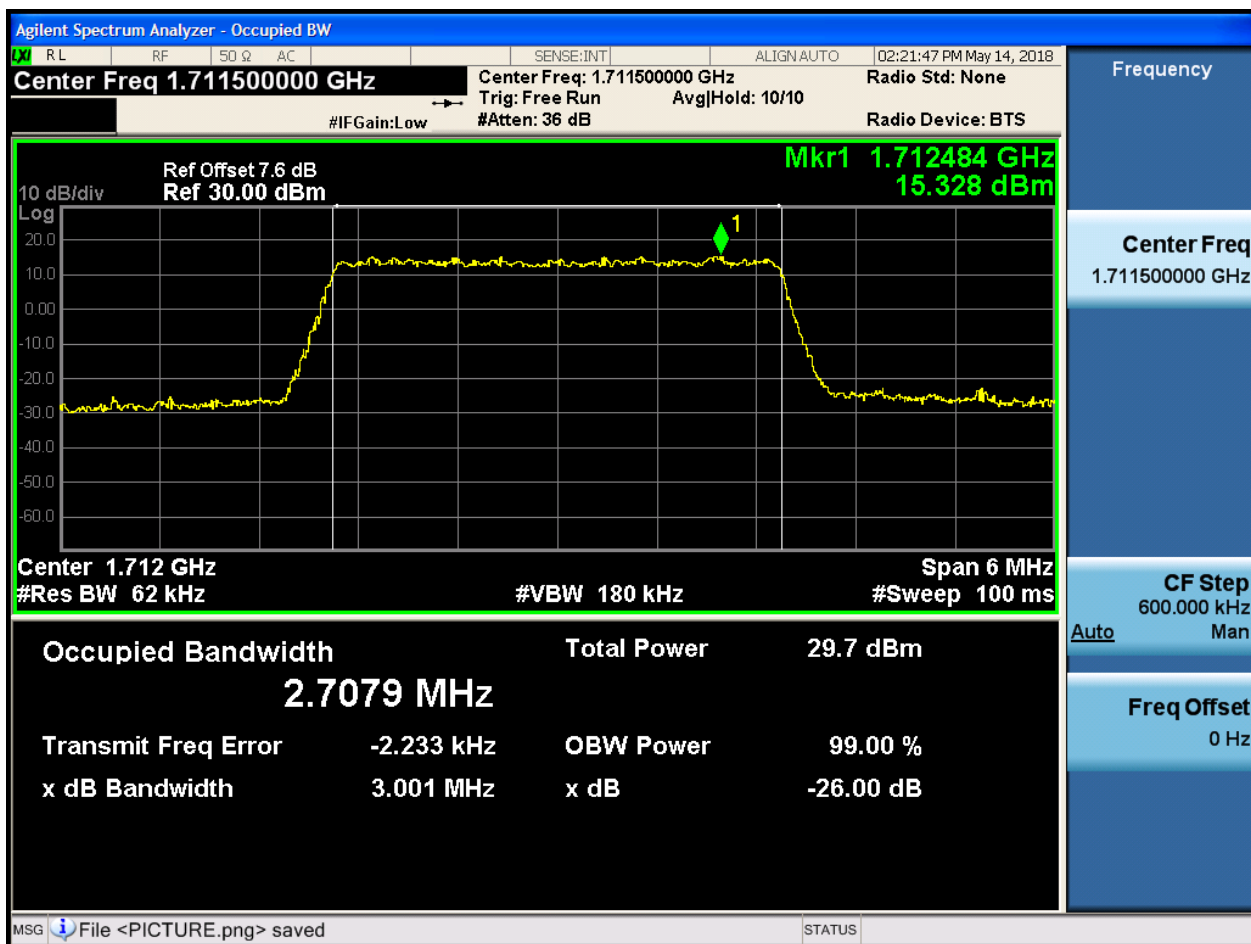
4.1.1.2.1.3.1 Test RB = RB6#0



4.1.1.2.2 Test Bandwidth = 3

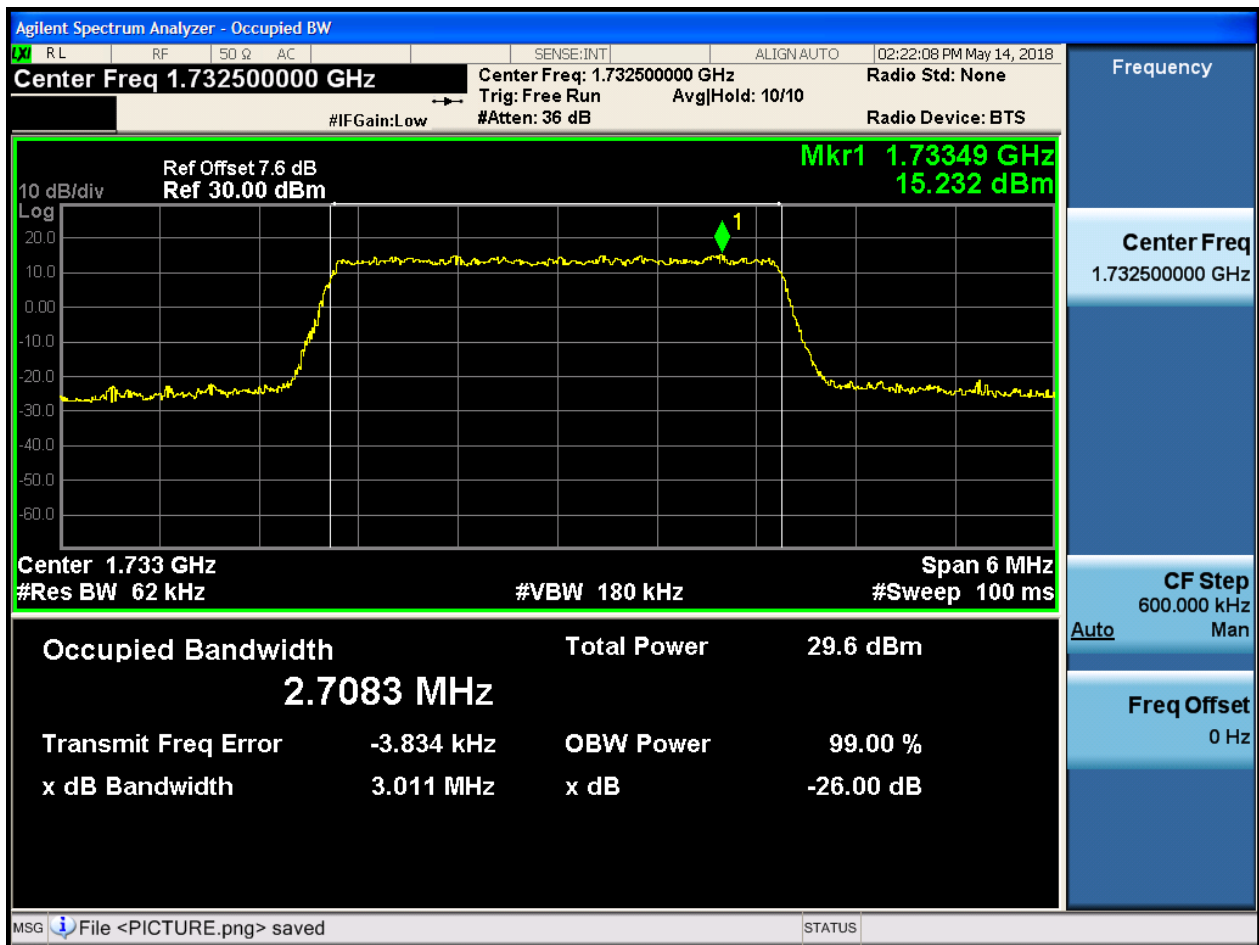
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



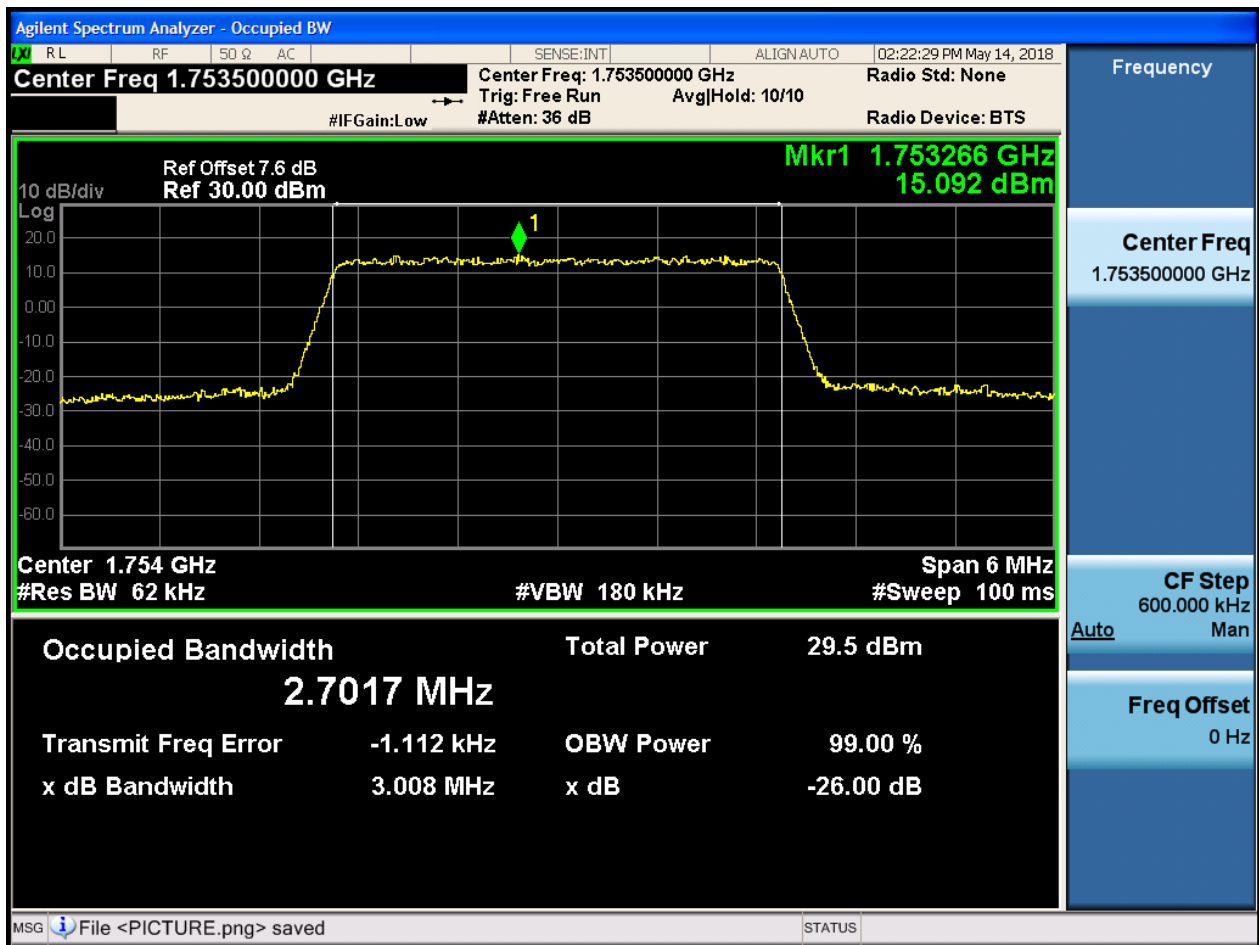
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

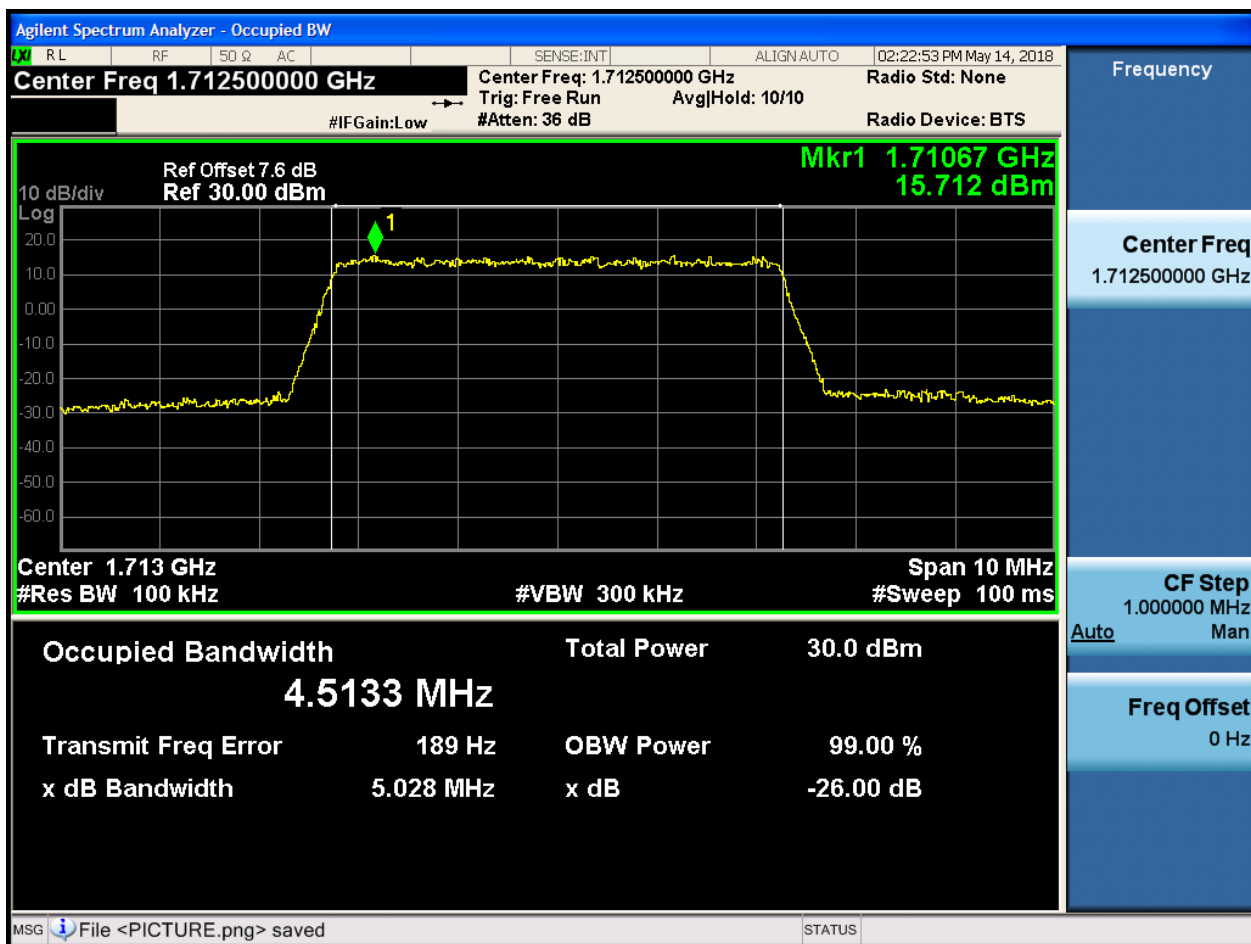
4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

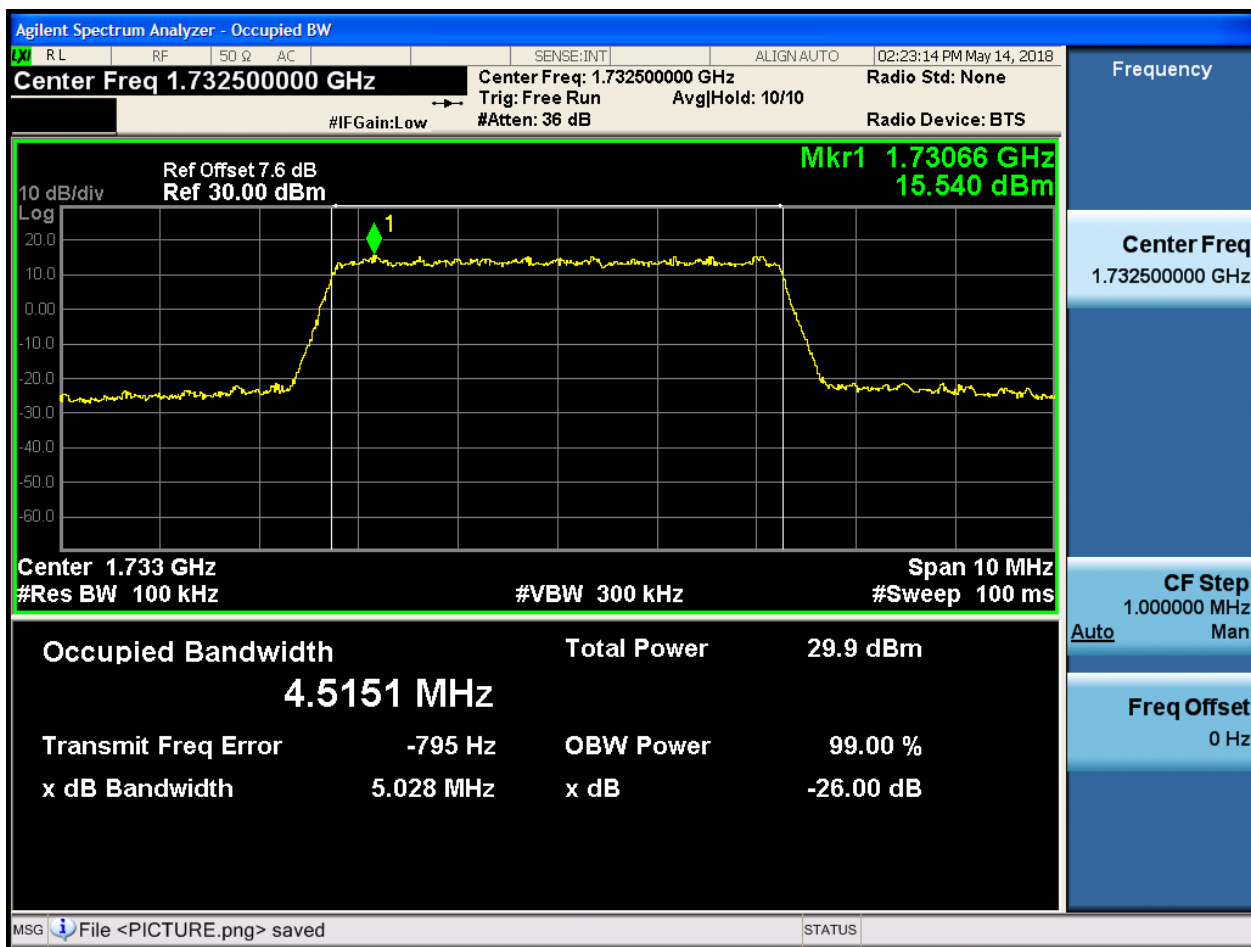
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



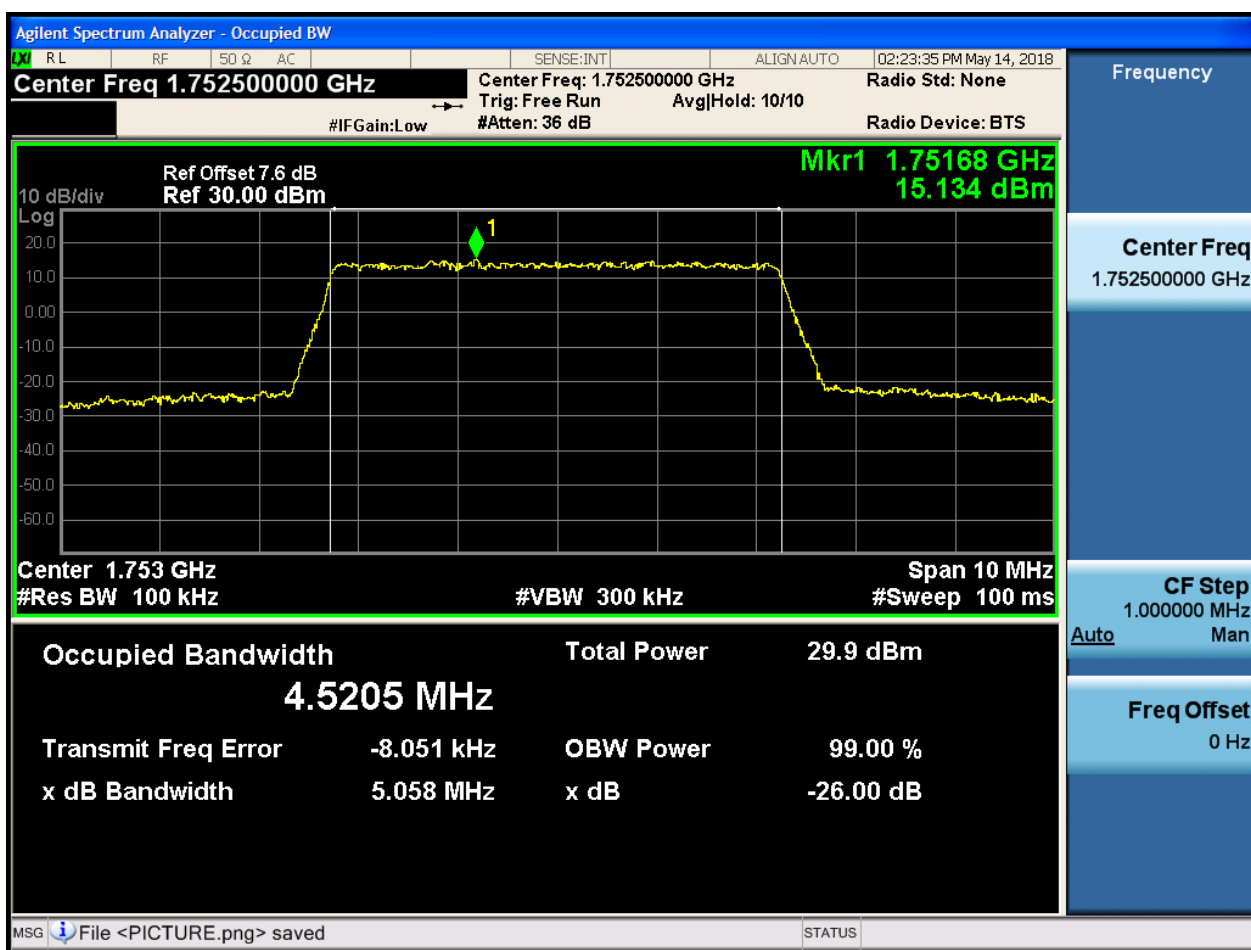
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0



4.1.1.2.3.3 Test Channel = HCH

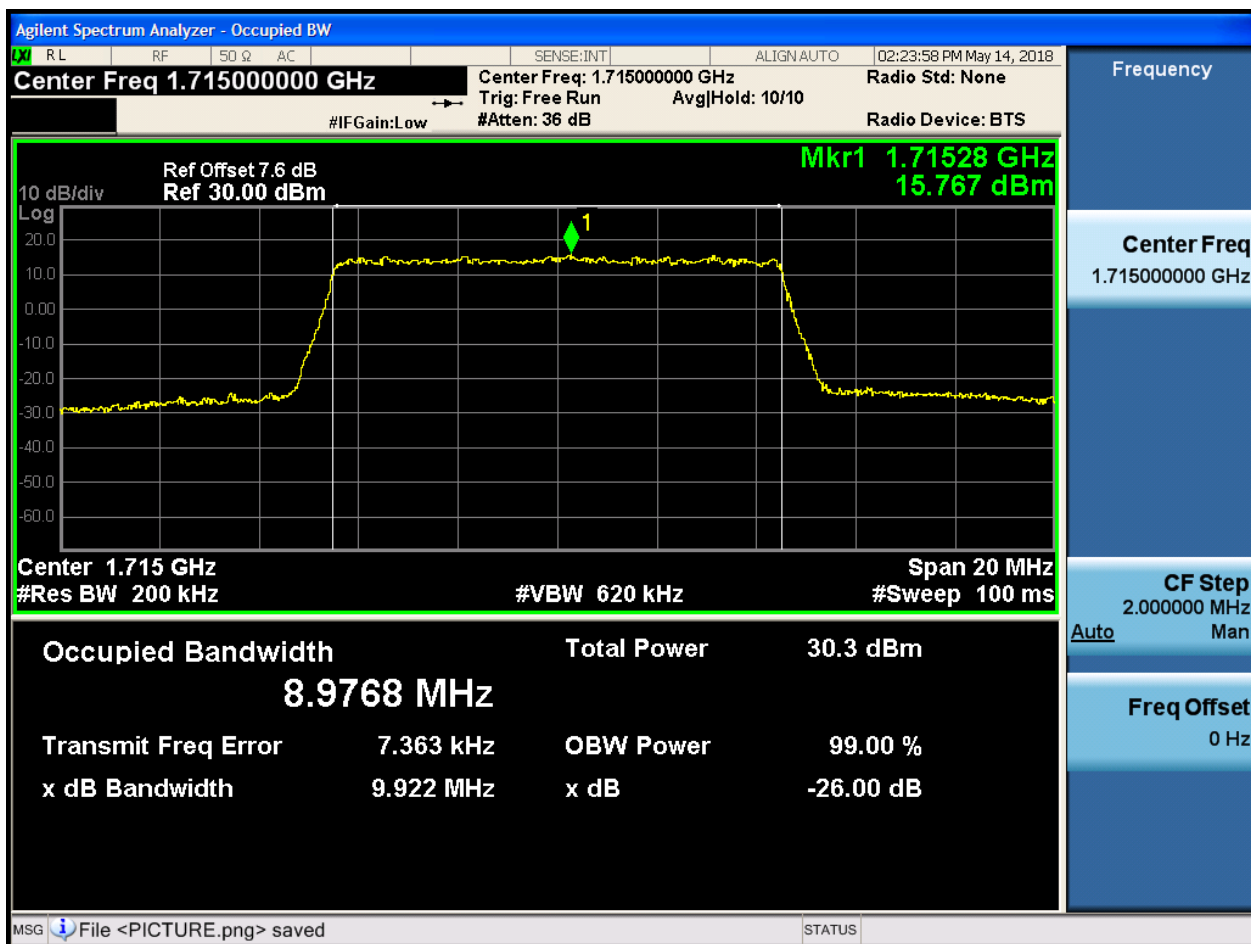
4.1.1.2.3.3.1 Test RB = RB25#0



4.1.1.2.4 Test Bandwidth = 10

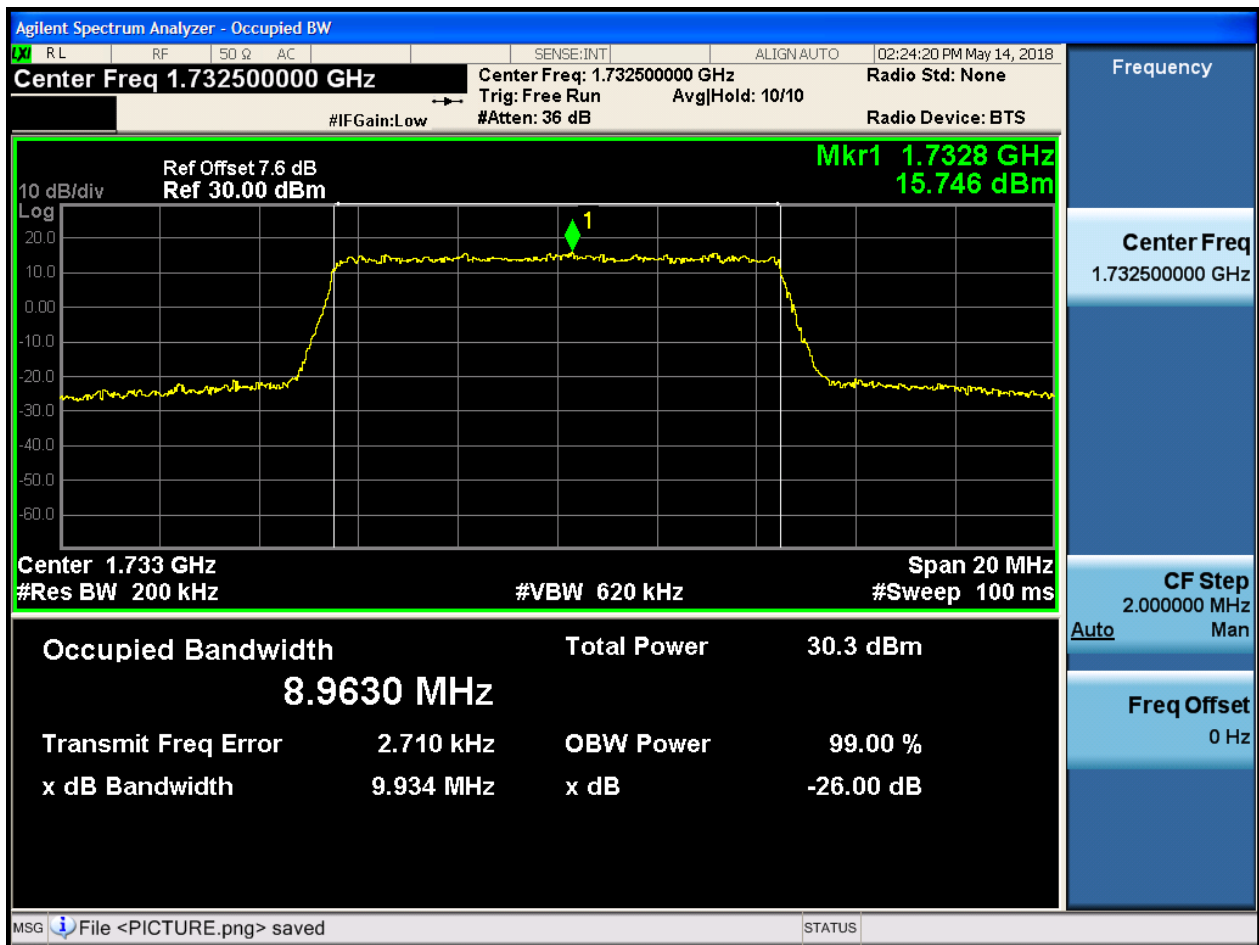
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



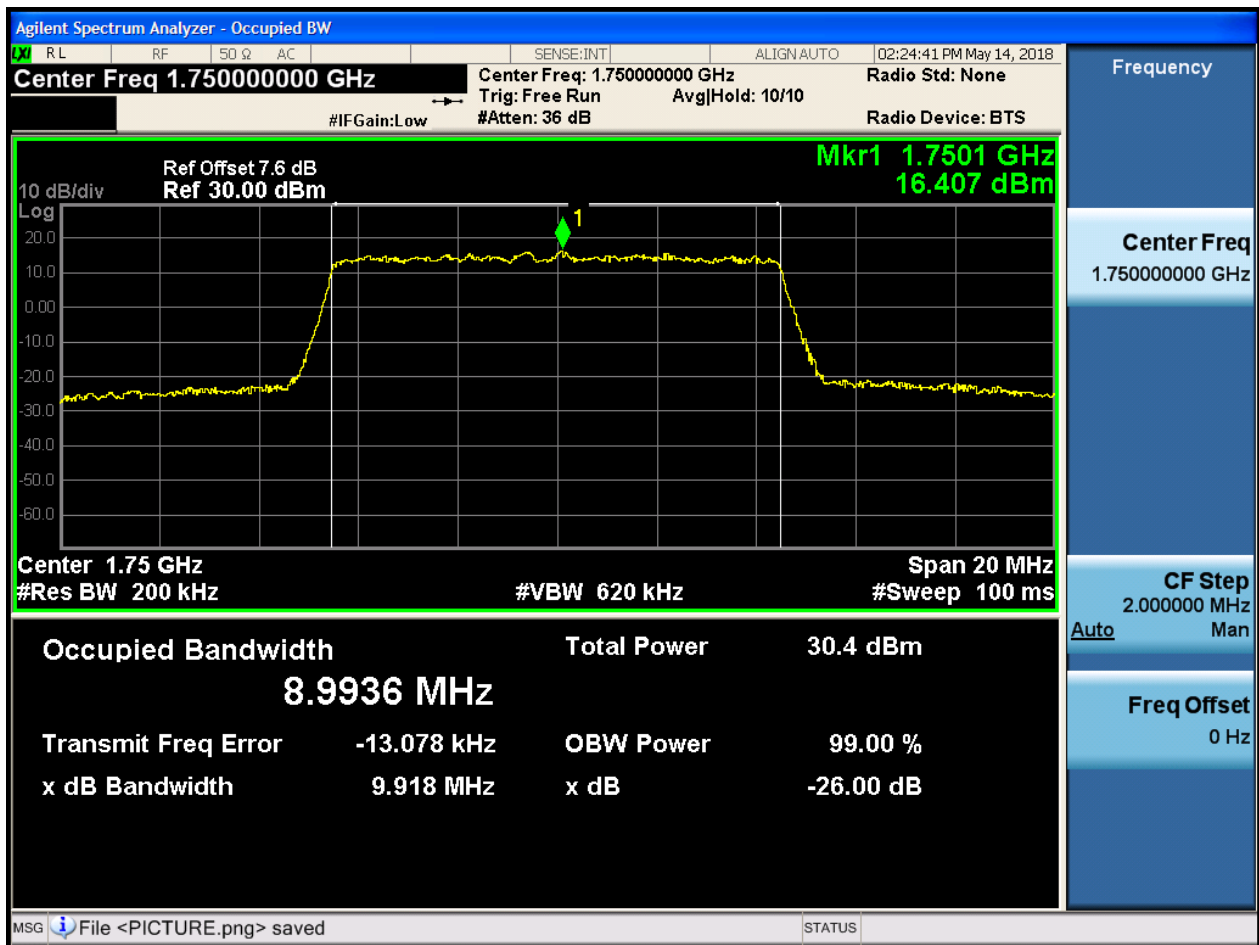
4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB50#0



4.1.1.2.4.3 Test Channel = HCH

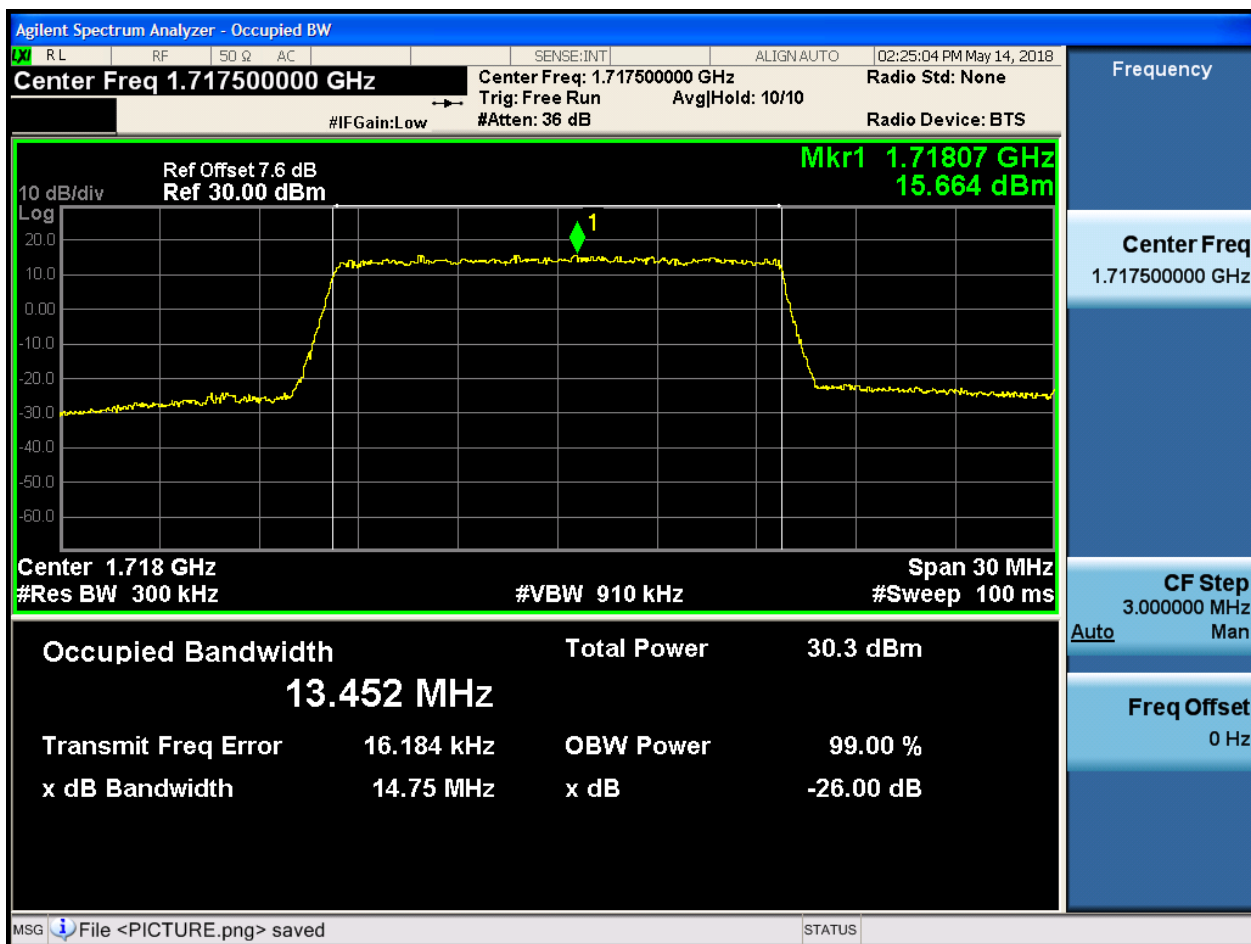
4.1.1.2.4.3.1 Test RB = RB50#0



4.1.1.2.5 Test Bandwidth = 15

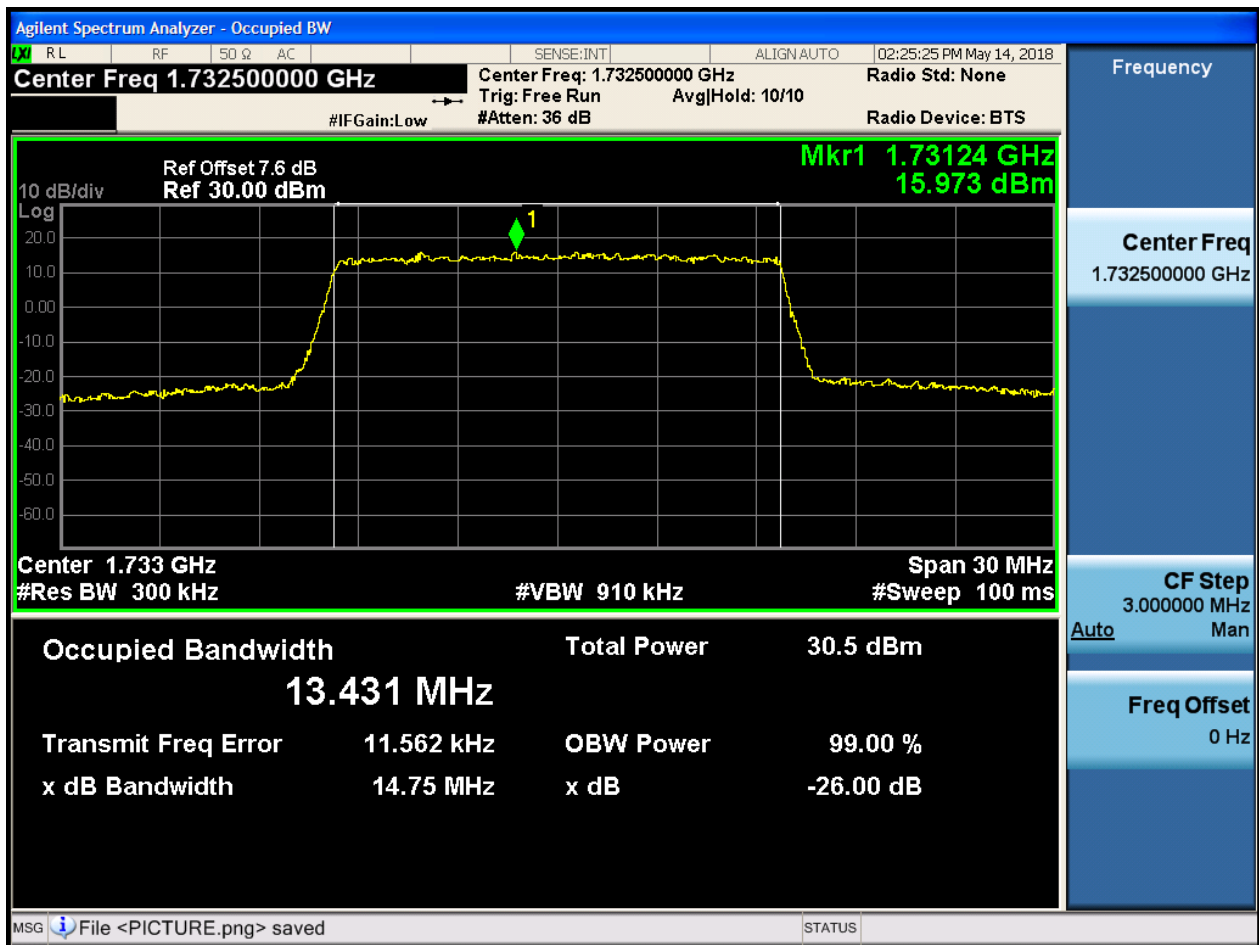
4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



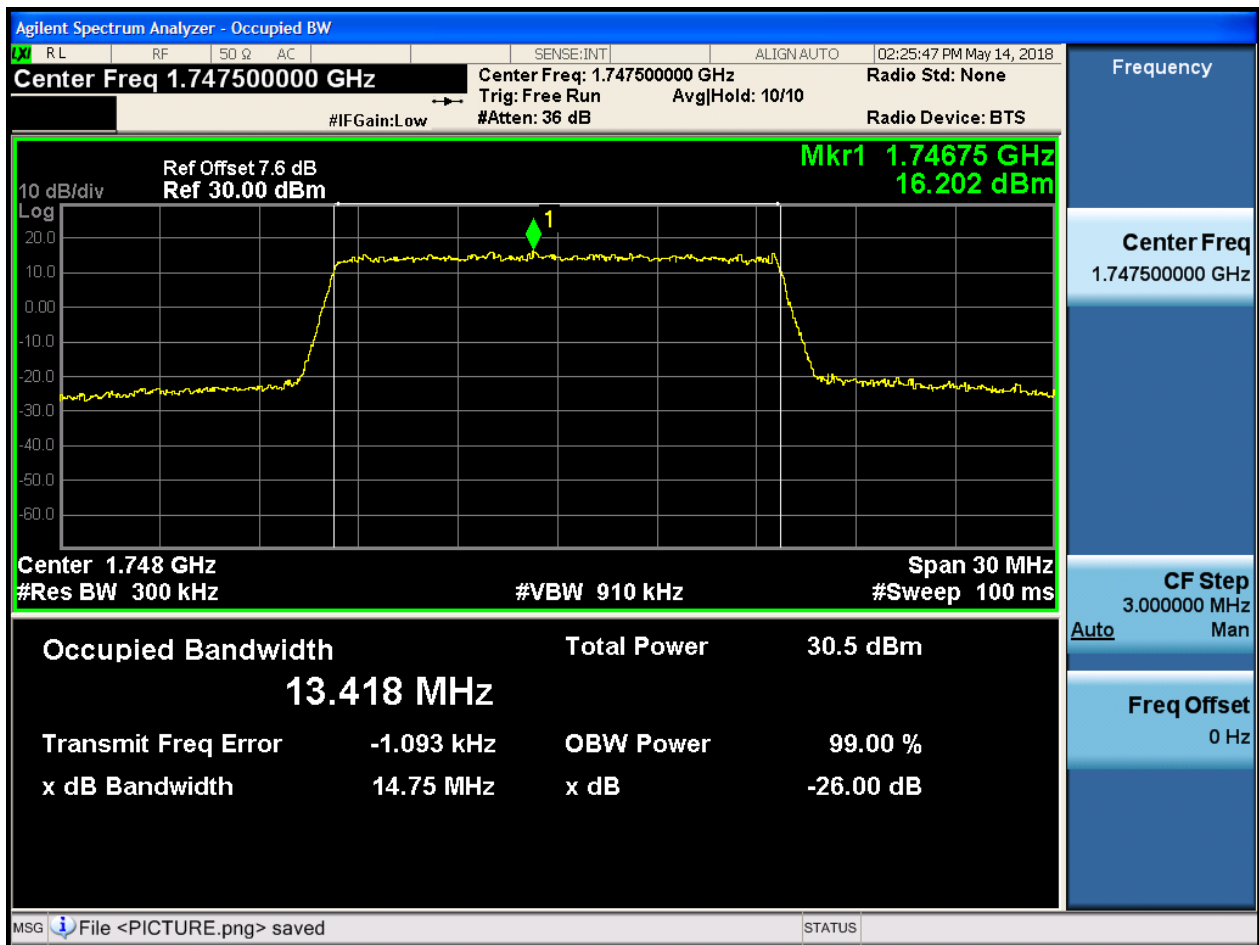
4.1.1.2.5.2 Test Channel = MCH

4.1.1.2.5.2.1 Test RB = RB75#0



4.1.1.2.5.3 Test Channel = HCH

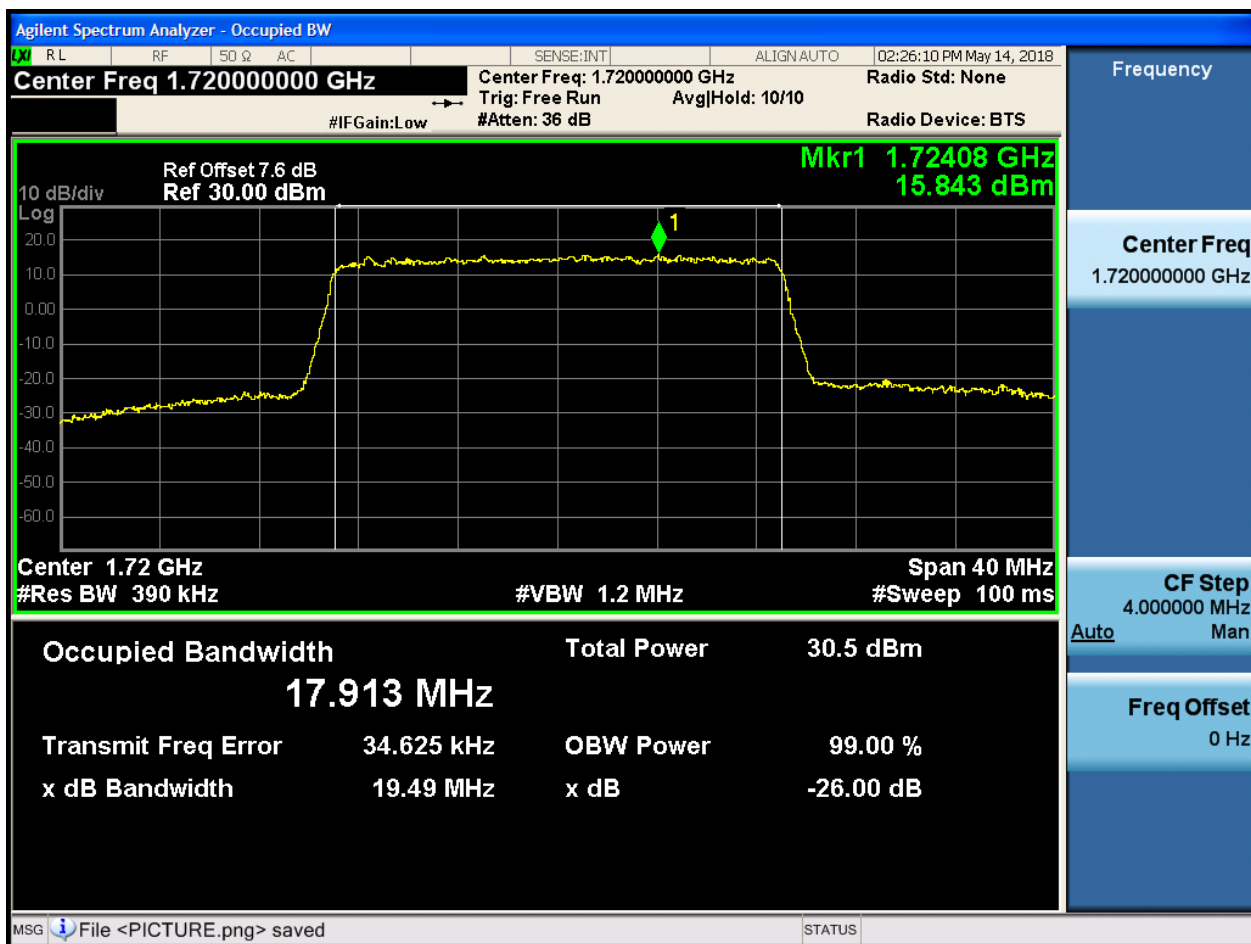
4.1.1.2.5.3.1 Test RB = RB75#0



4.1.1.2.6 Test Bandwidth = 20

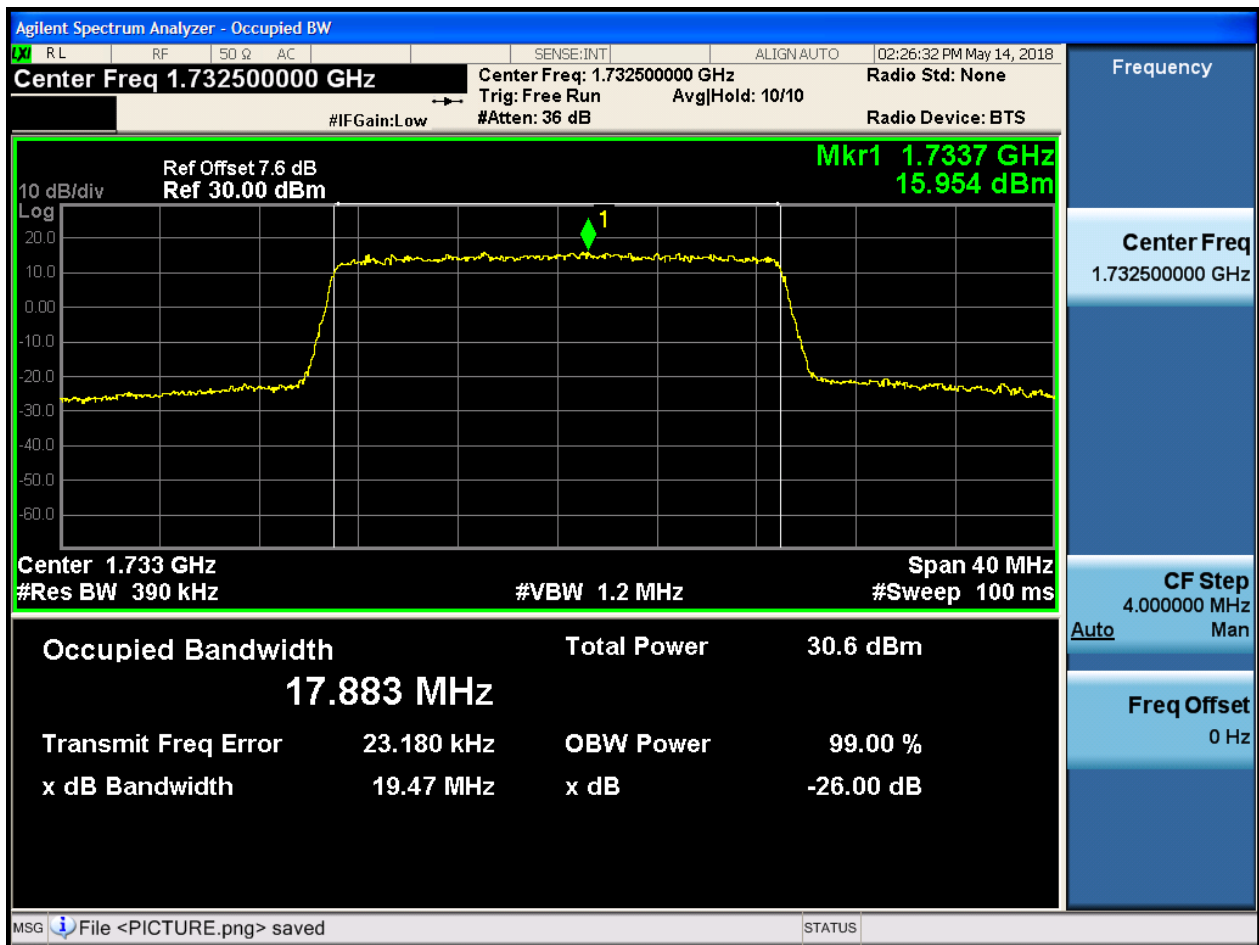
4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0



4.1.1.2.6.2 Test Channel = MCH

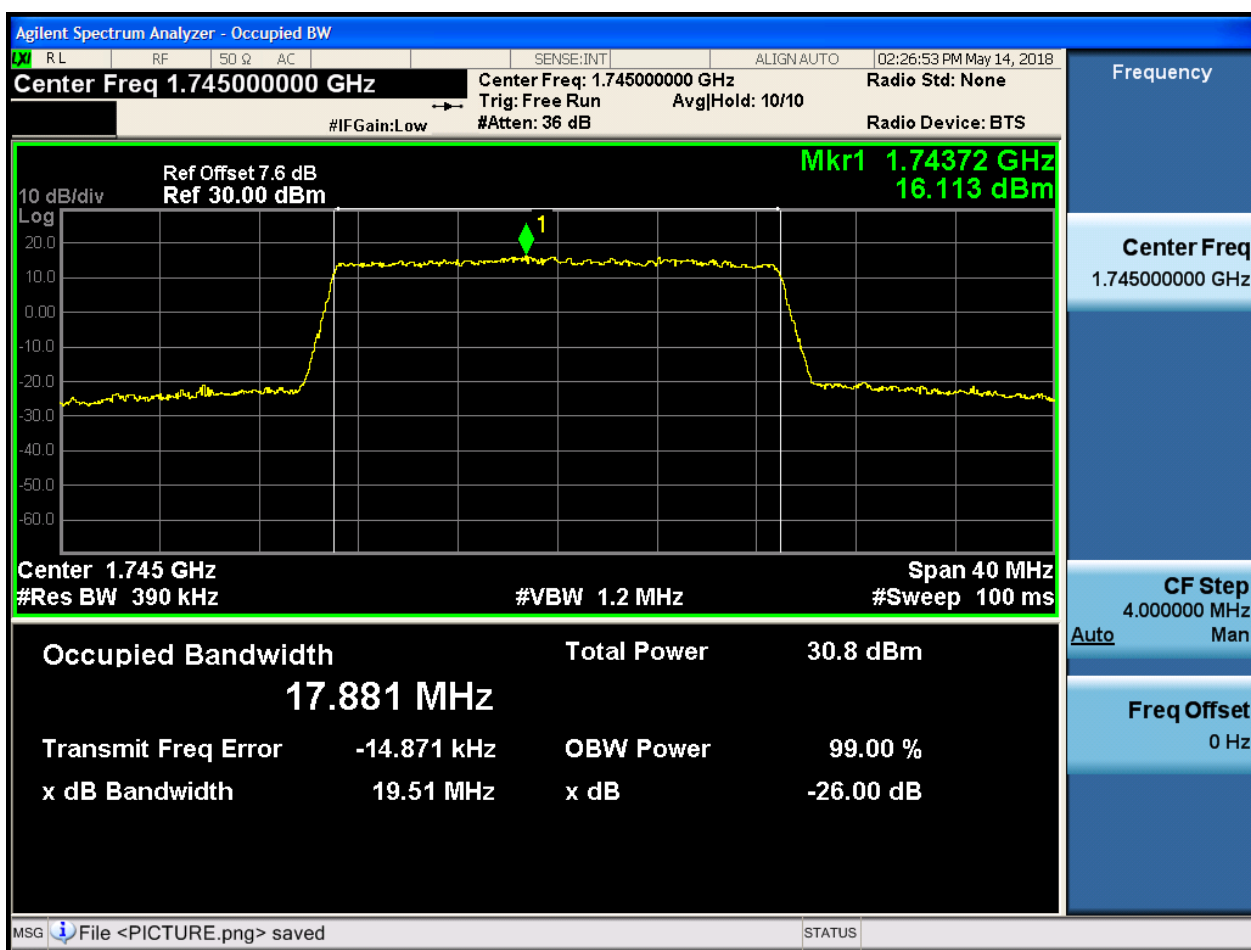
4.1.1.2.6.2.1 Test RB = RB100#0





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

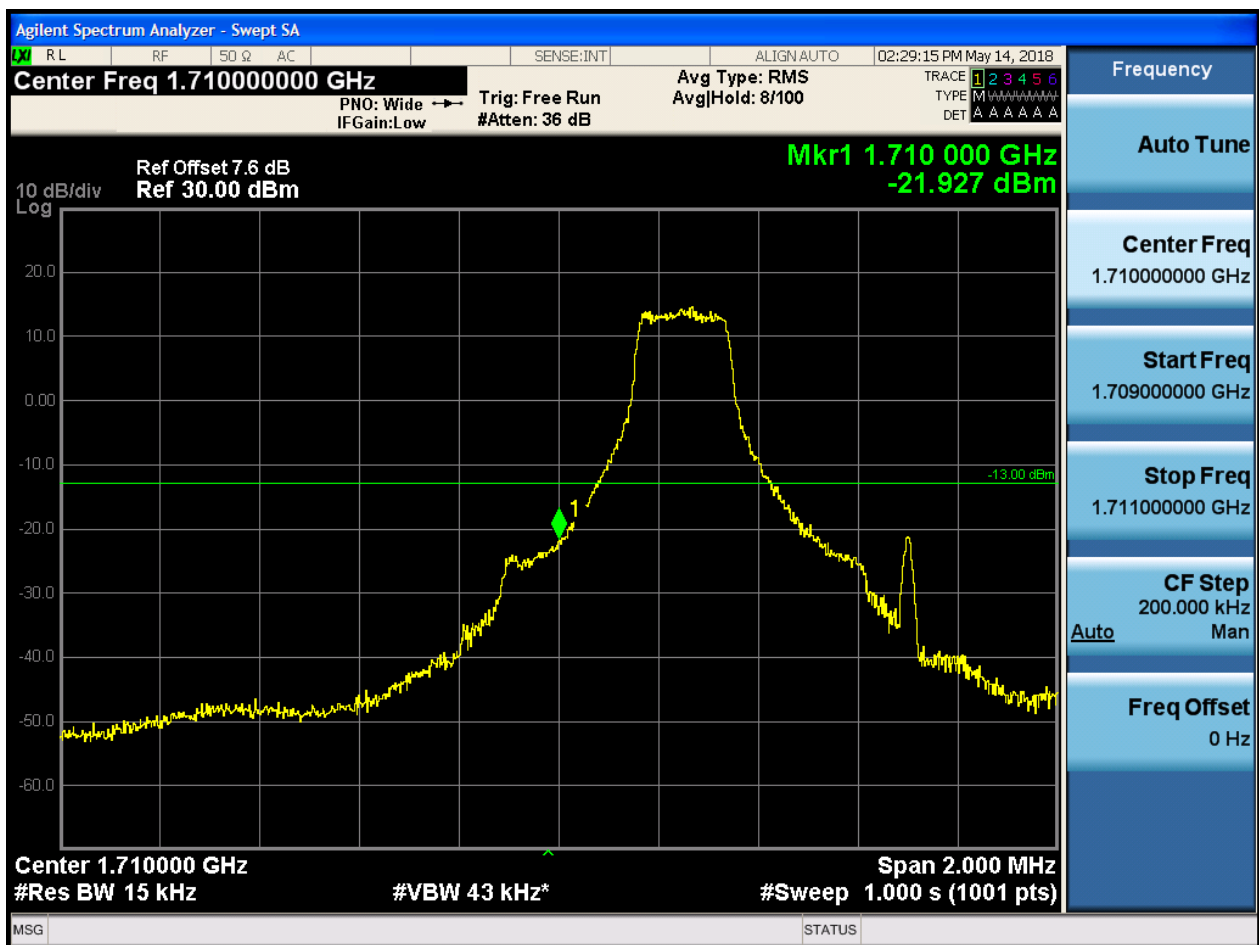
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

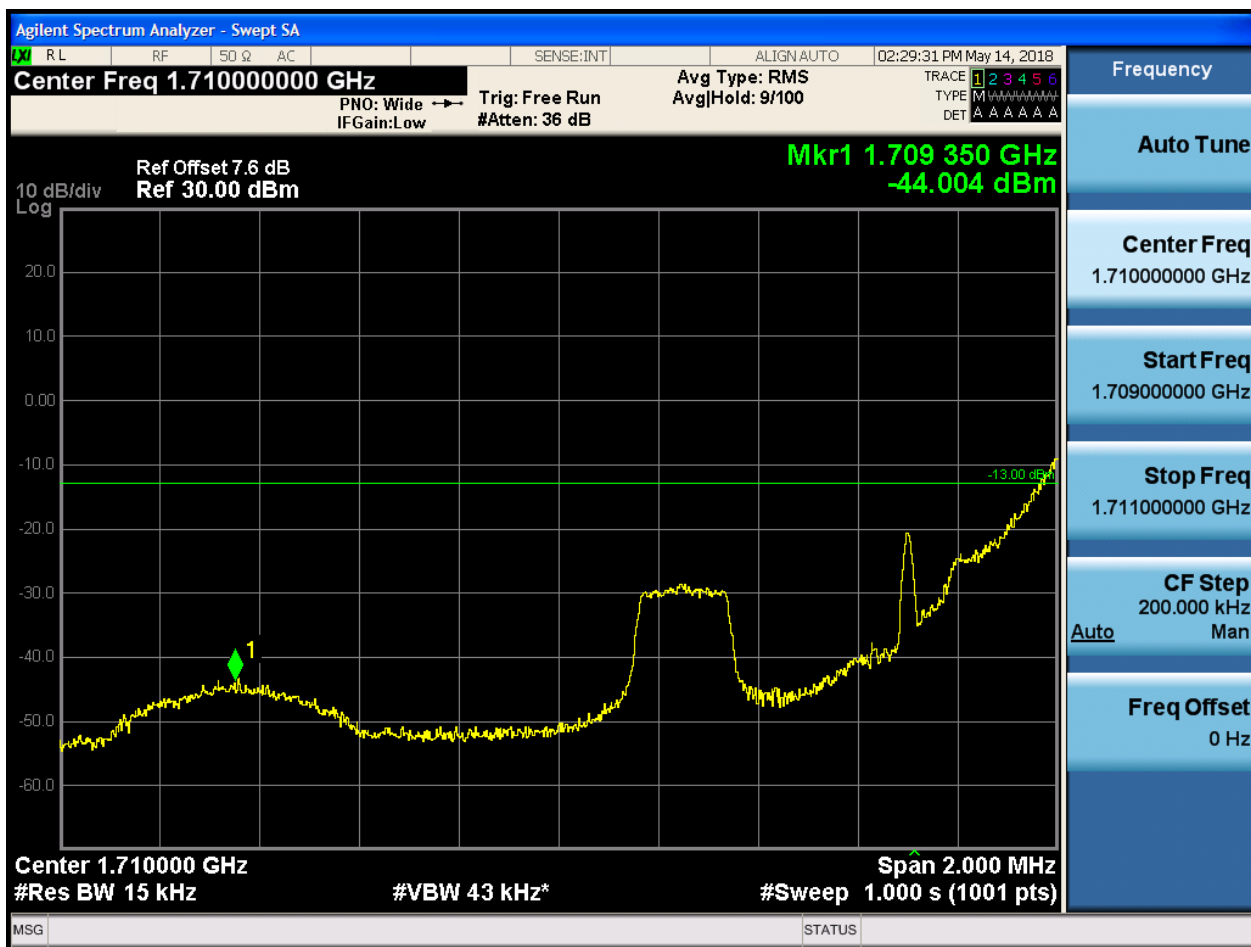
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5



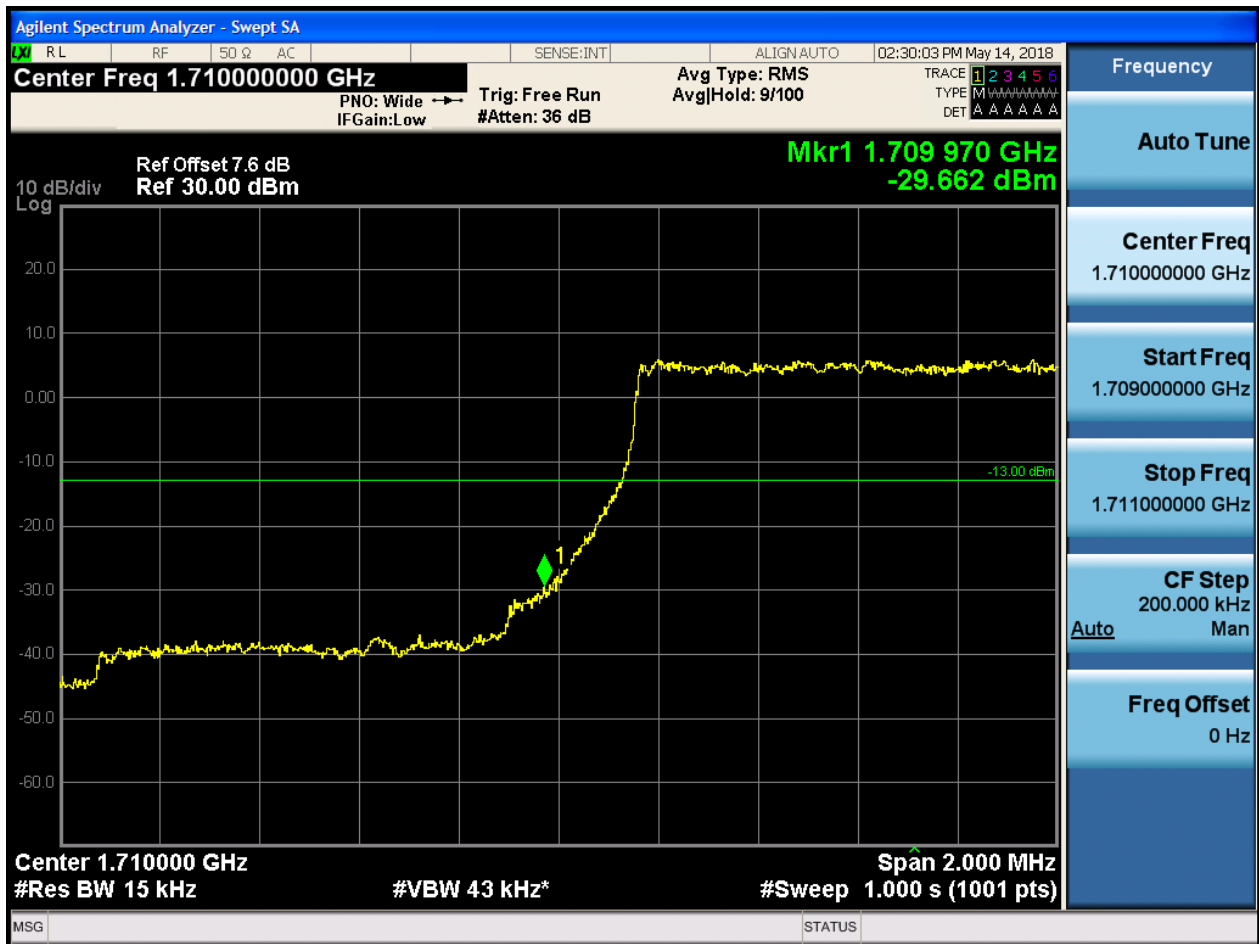


5.1.1.1.1.3 Test RB = RB3#2



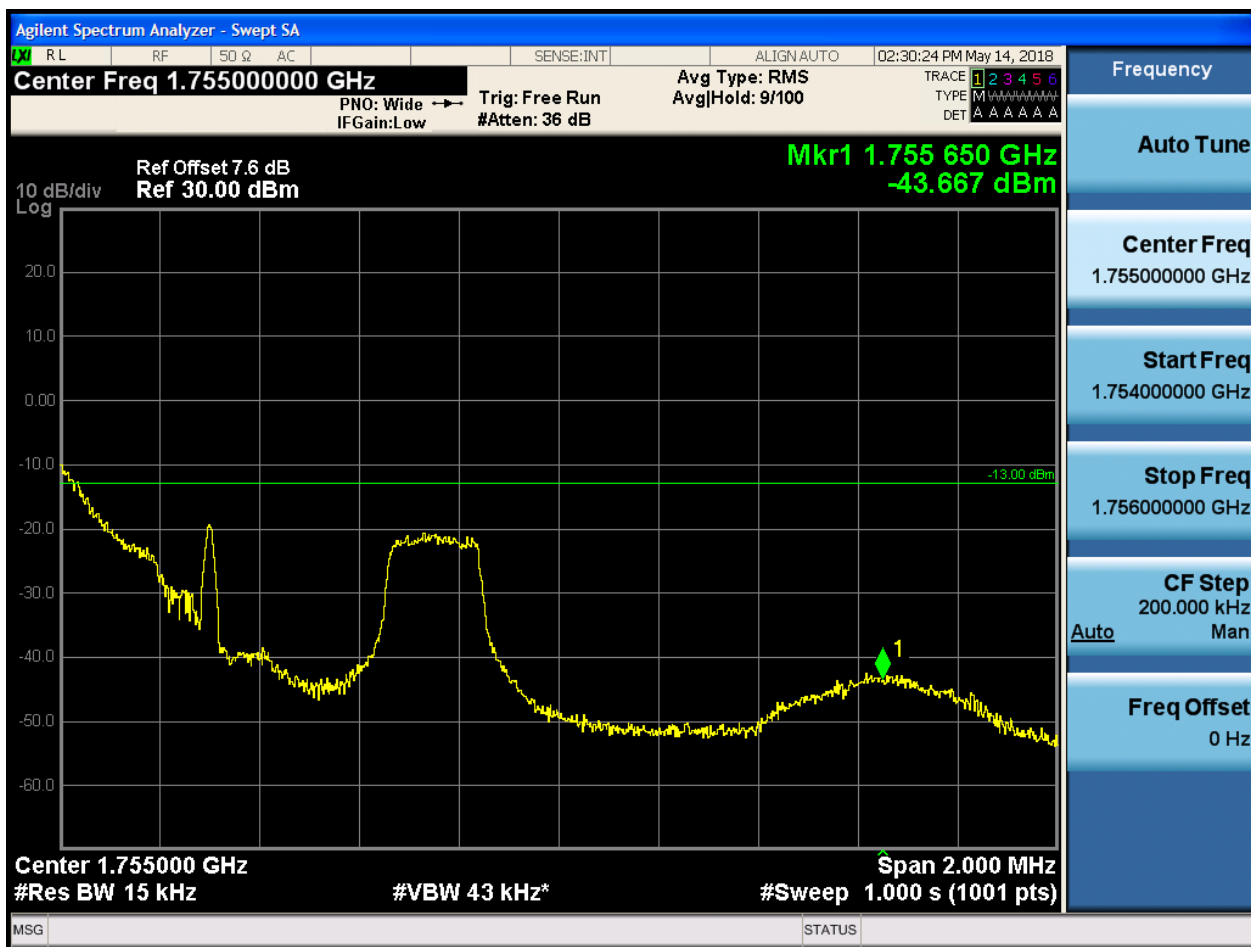


5.1.1.1.1.4 Test RB = RB6#0



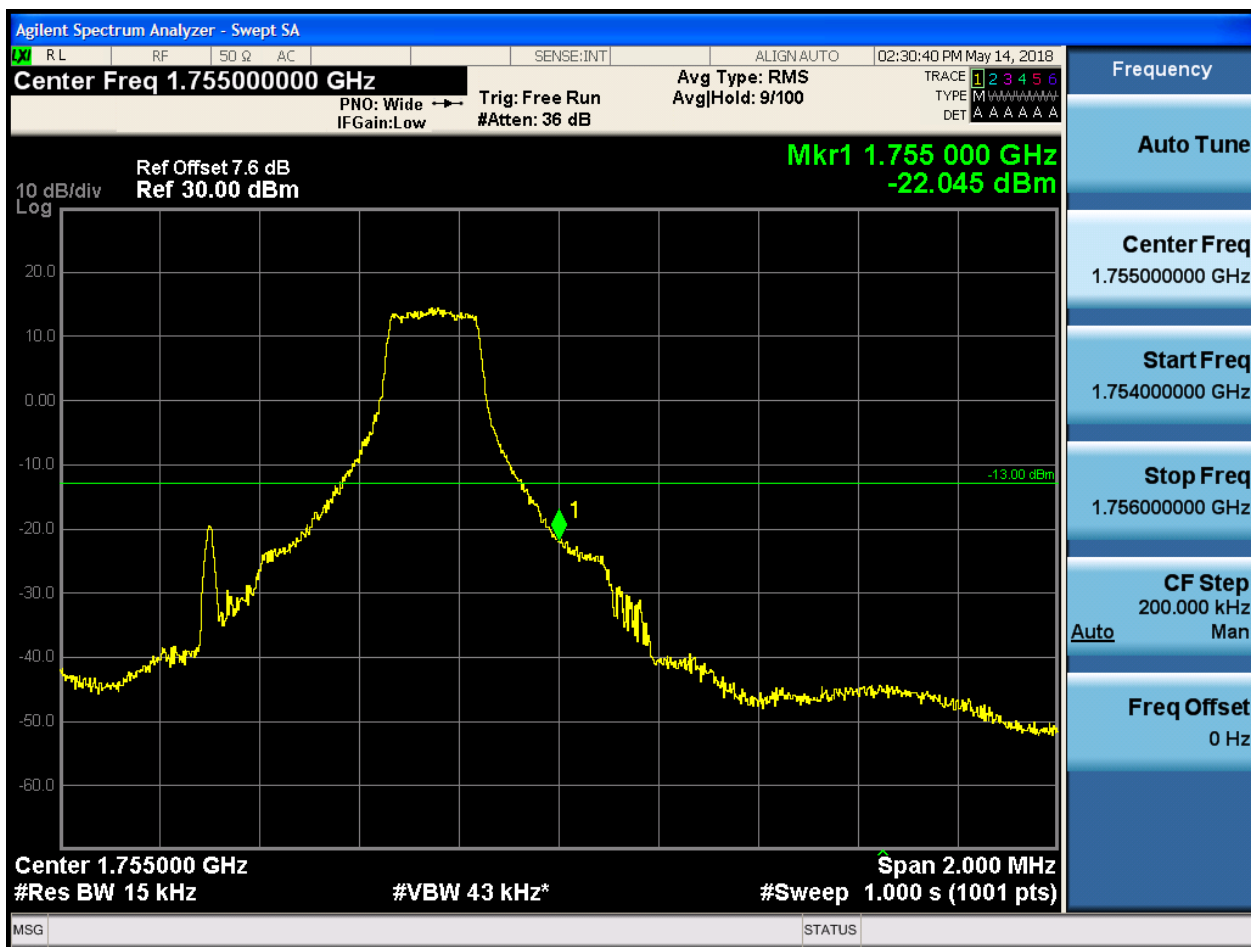
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



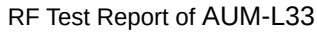


5.1.1.1.2.2 Test RB = RB1#5



5.1.1.1.1.2.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:31:12 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-27.638 dBm

10 dB/div
Log

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

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

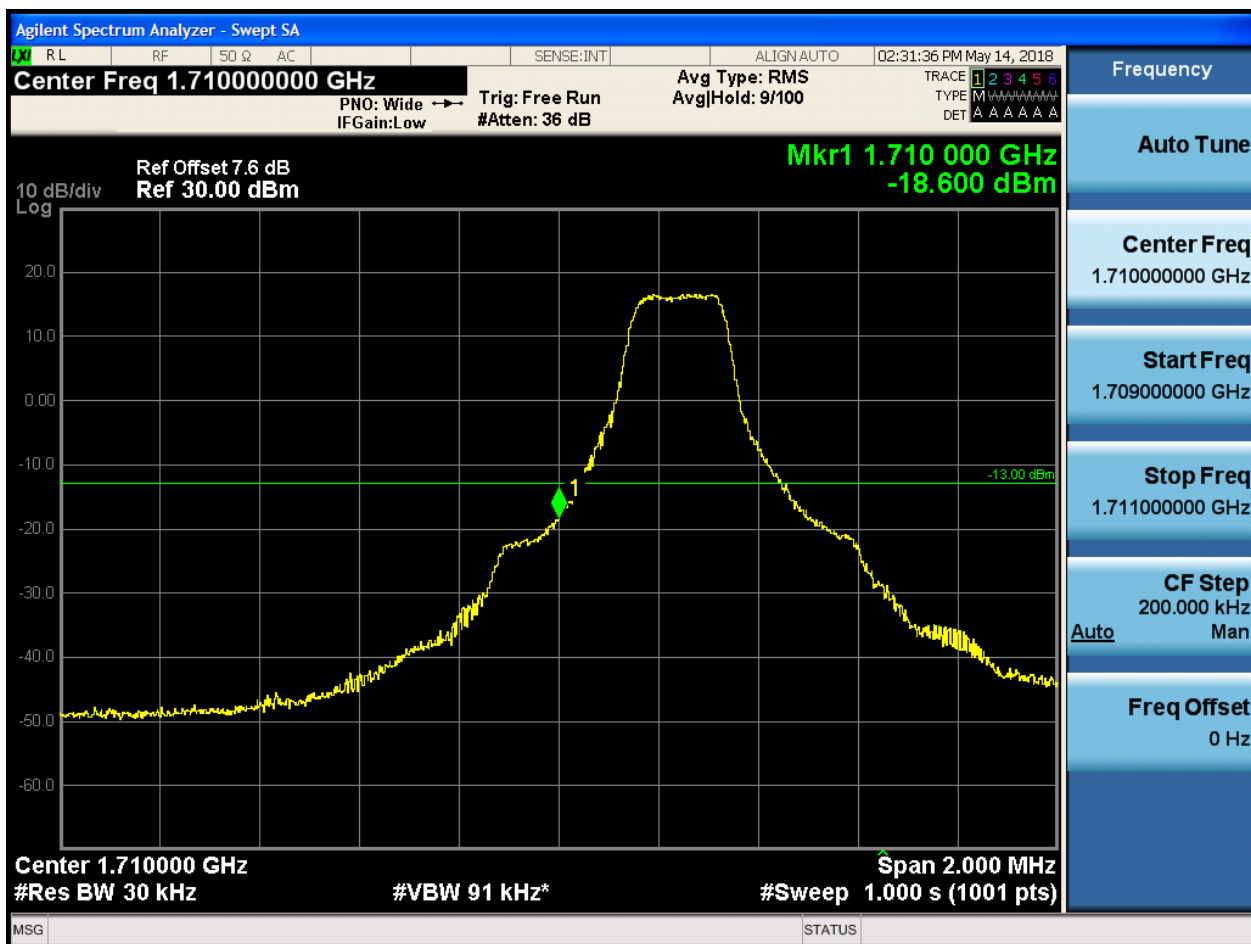
Frequency
Auto Tune
Center Freq
1.755000000 GHz
Start Freq
1.754000000 GHz
Stop Freq
1.756000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

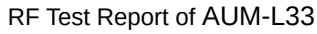


5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 02:31:52 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run AvgHold: 9/100
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

10 dB/div Ref Offset 7.6 dB
Log Ref 30.00 dBm

Mkr1 1.709 010 GHz
-45.091 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

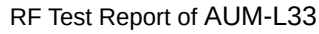
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:32:23 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS
 PNO: Wide Trig: 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 7.6 dB
 Ref 30.00 dBm

Mkr1 1.710 000 GHz
 -27.439 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

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

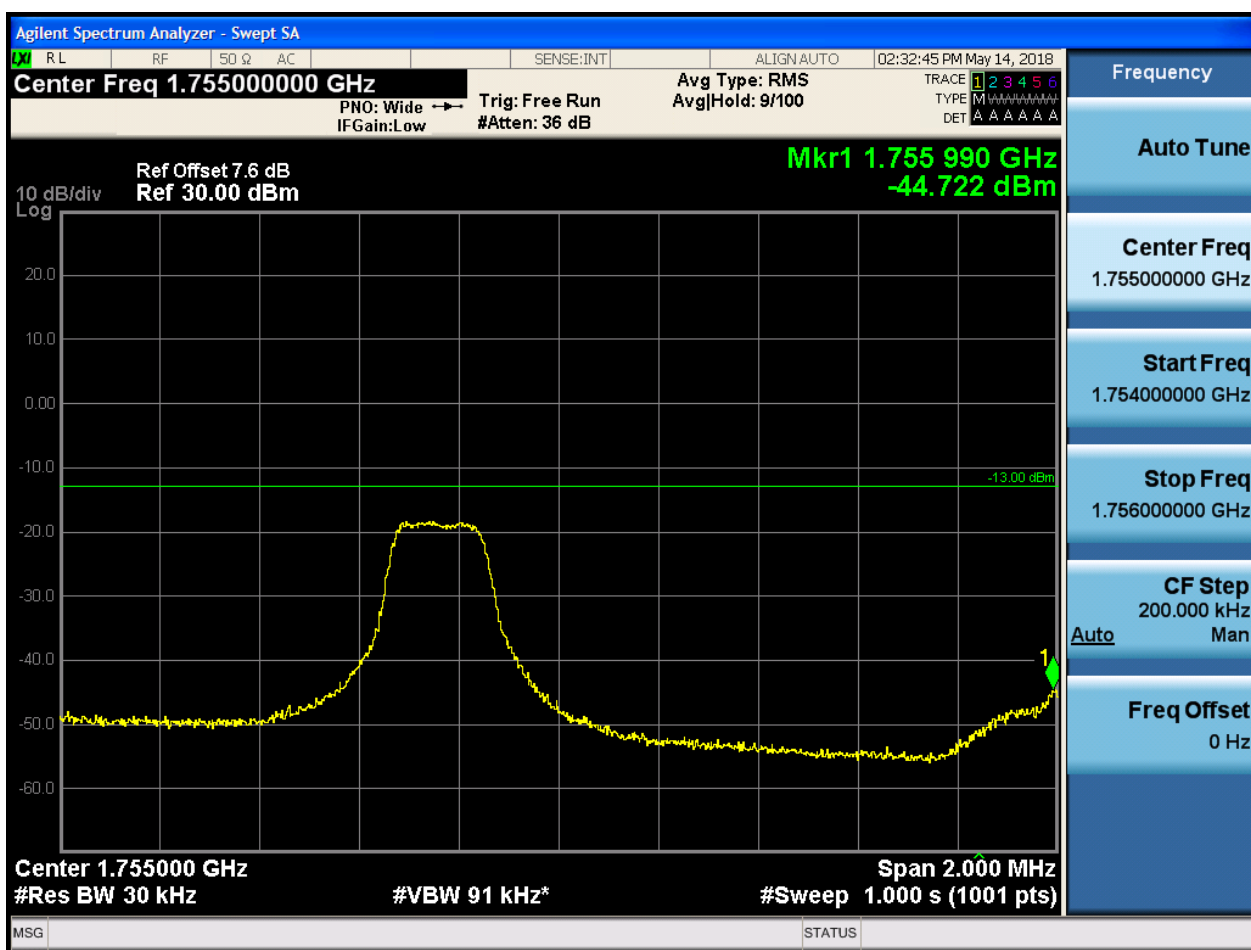
Freq Offset
 0 Hz

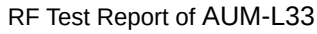
MSG STATUS



5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:33:01 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-18.857 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

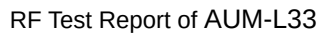
Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 02:33:17 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide Trig: 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 7.6 dB
Ref 30.00 dBm

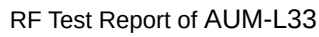
Mkr1 1.755 010 GHz
-31.335 dBm

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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:33:33 PM May 14, 2018

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

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

10 dB/div Ref Offset 7.6 dB Mkr1 1.755 000 GHz
Log Ref 30.00 dBm -26.849 dBm

20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

-13.00 dBm

1

Center 1.755000 GHz Span 2.000 MHz
#Res BW 30 kHz #VBW 91 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

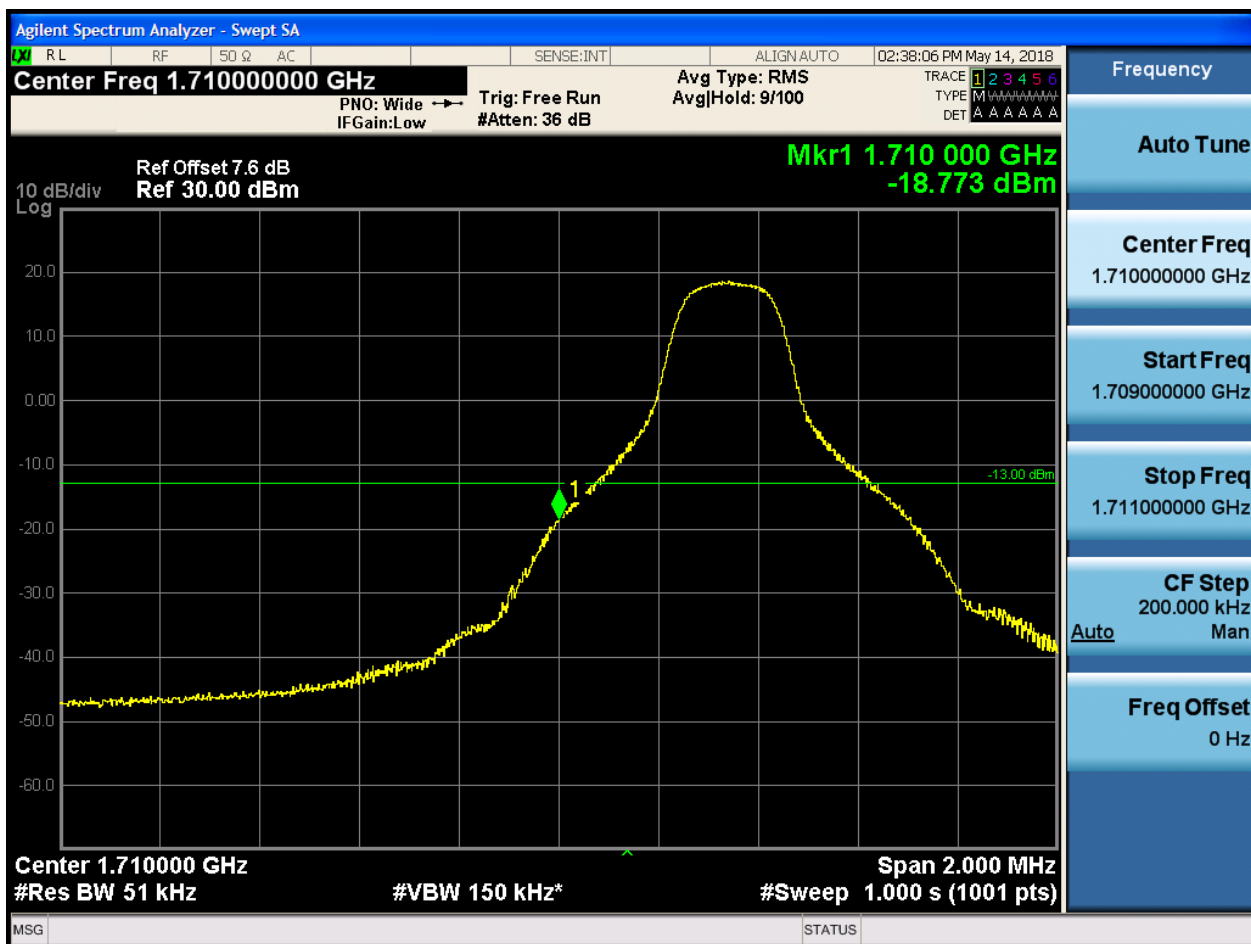
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.1.3 Test Bandwidth = 5

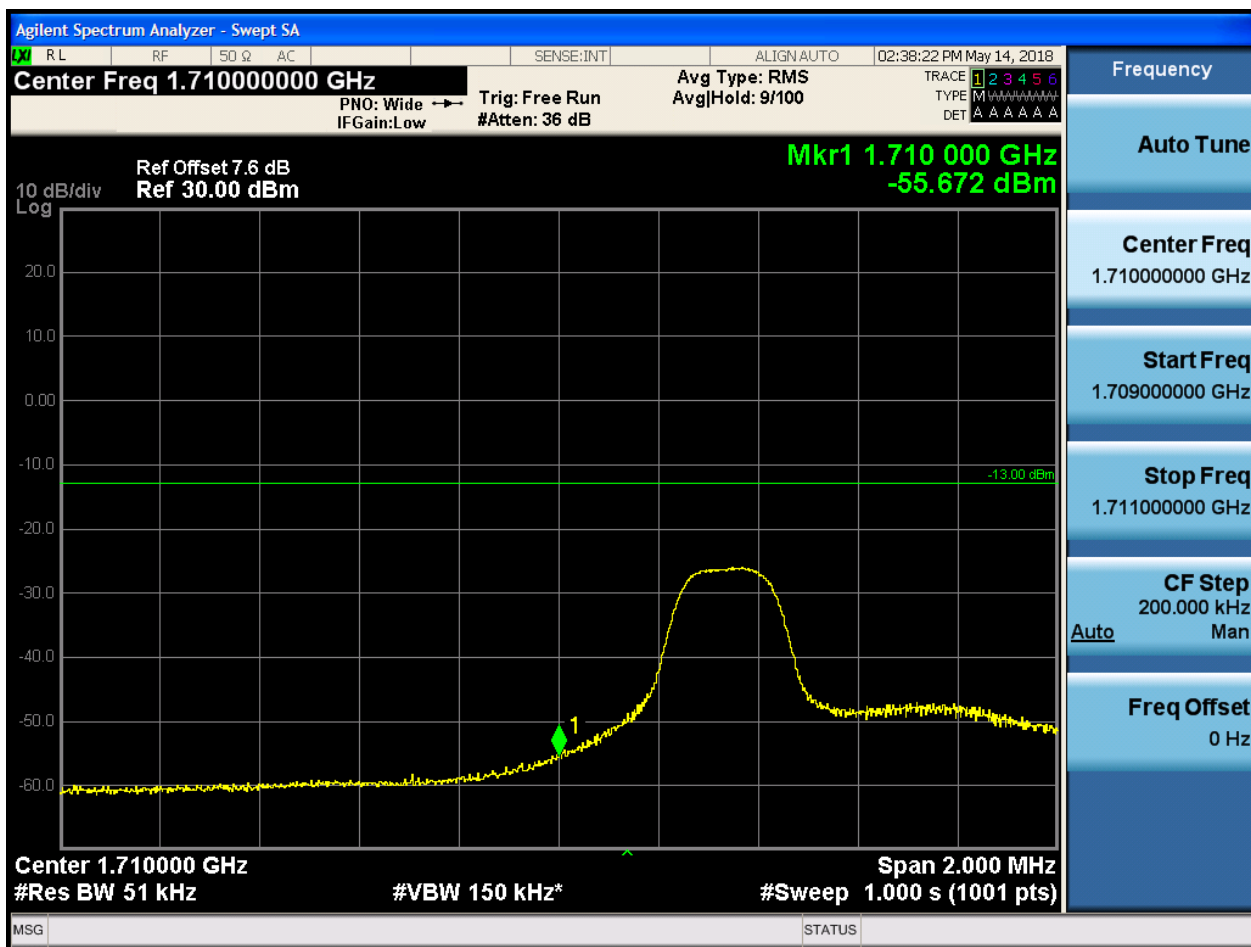
5.1.1.1.3.1 Test Channel = LCH

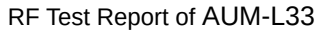
5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:38:38 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 9/100
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 7.6 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-34.596 dBm

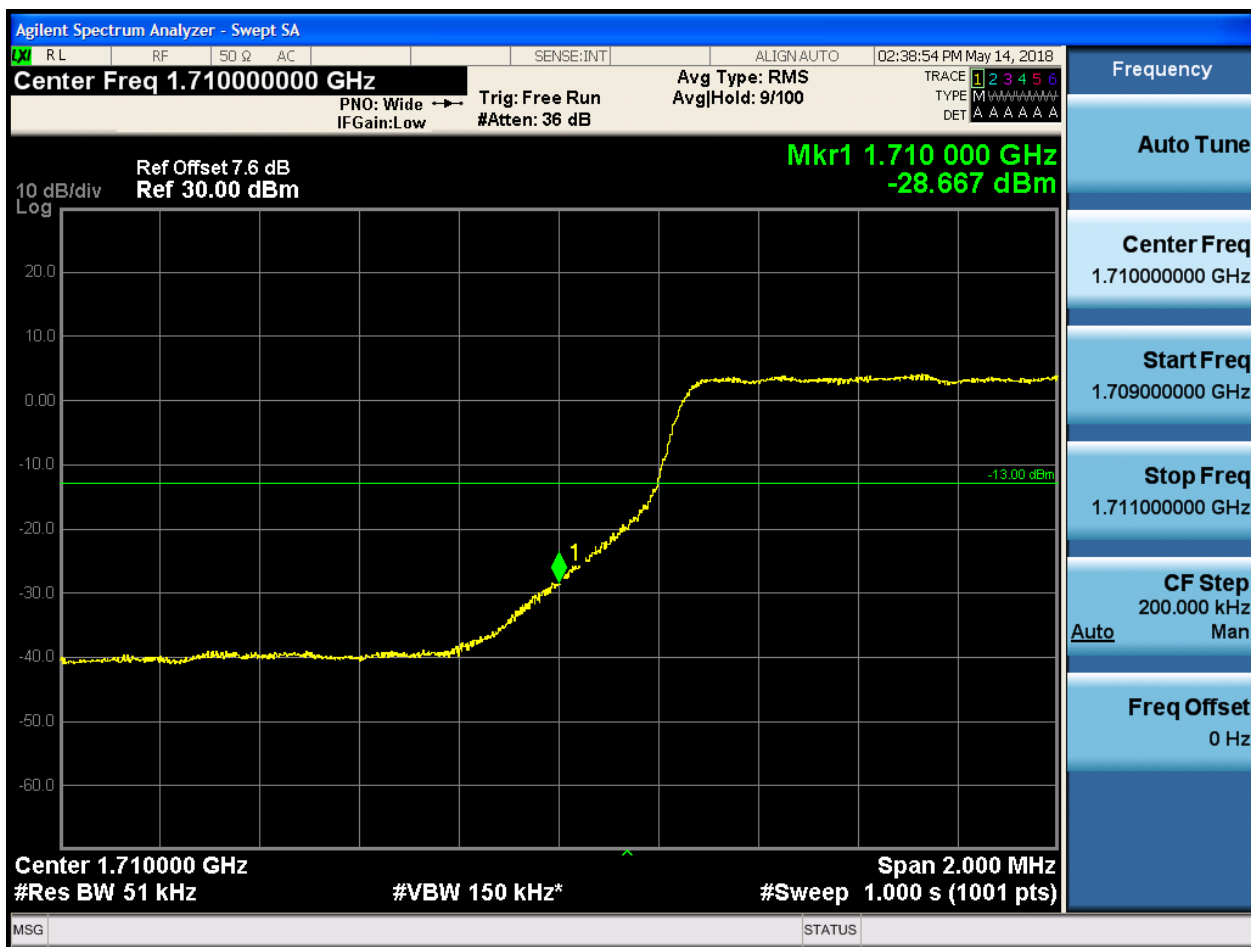
10 dB/div
Log

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

MSG STATUS

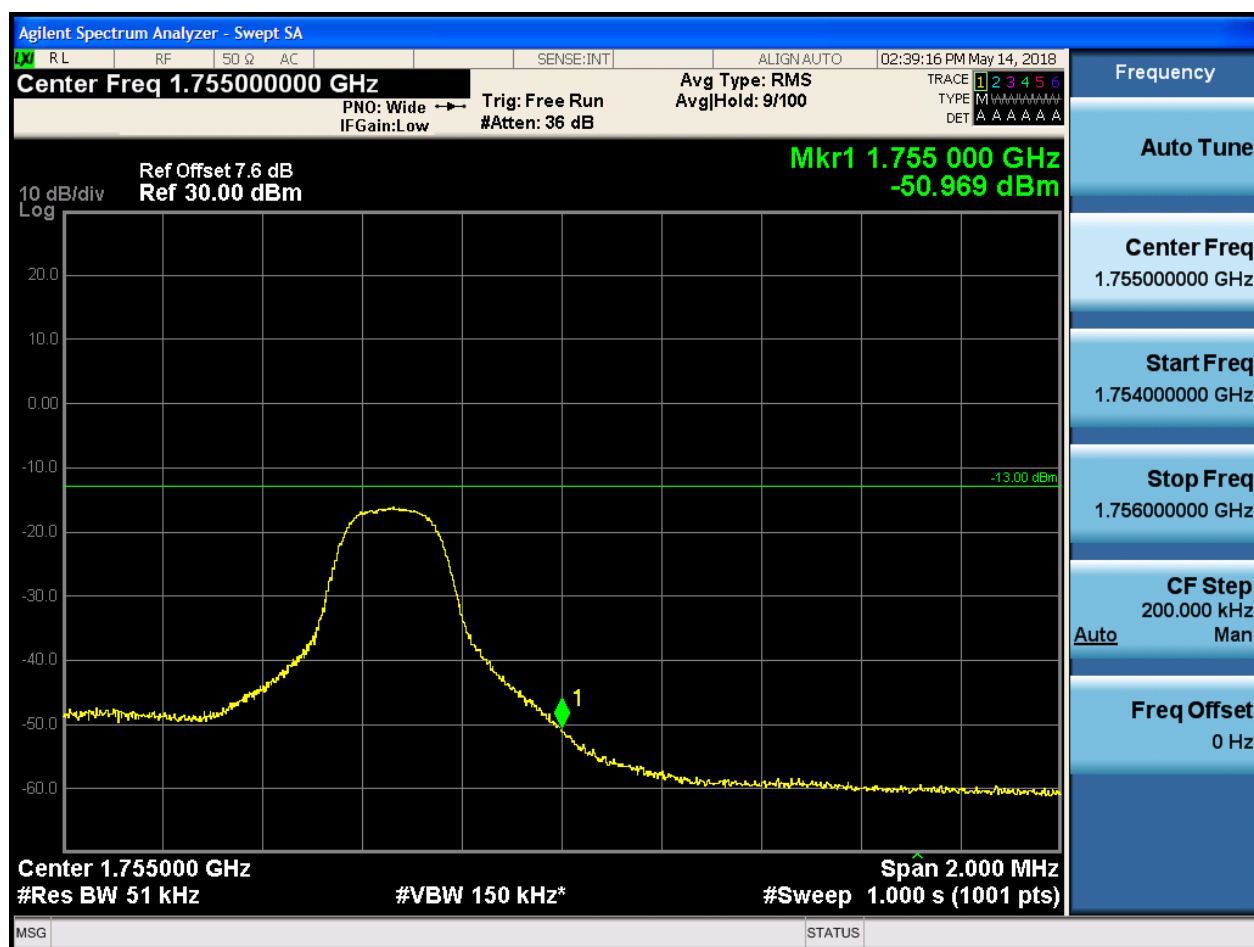


5.1.1.1.3.1.4 Test RB = RB25#0



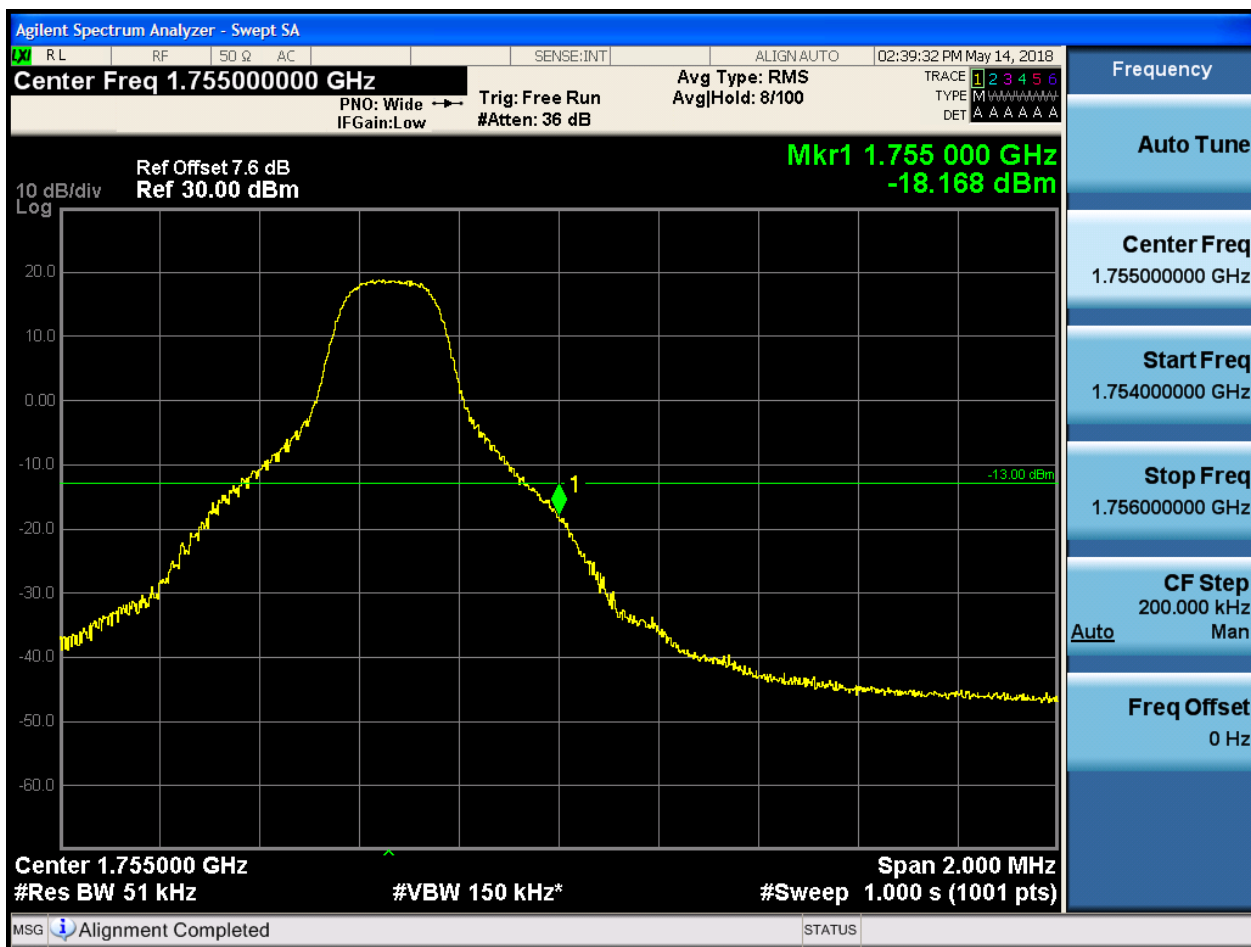
5.1.1.1.3.2 Test Channel = HCH

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





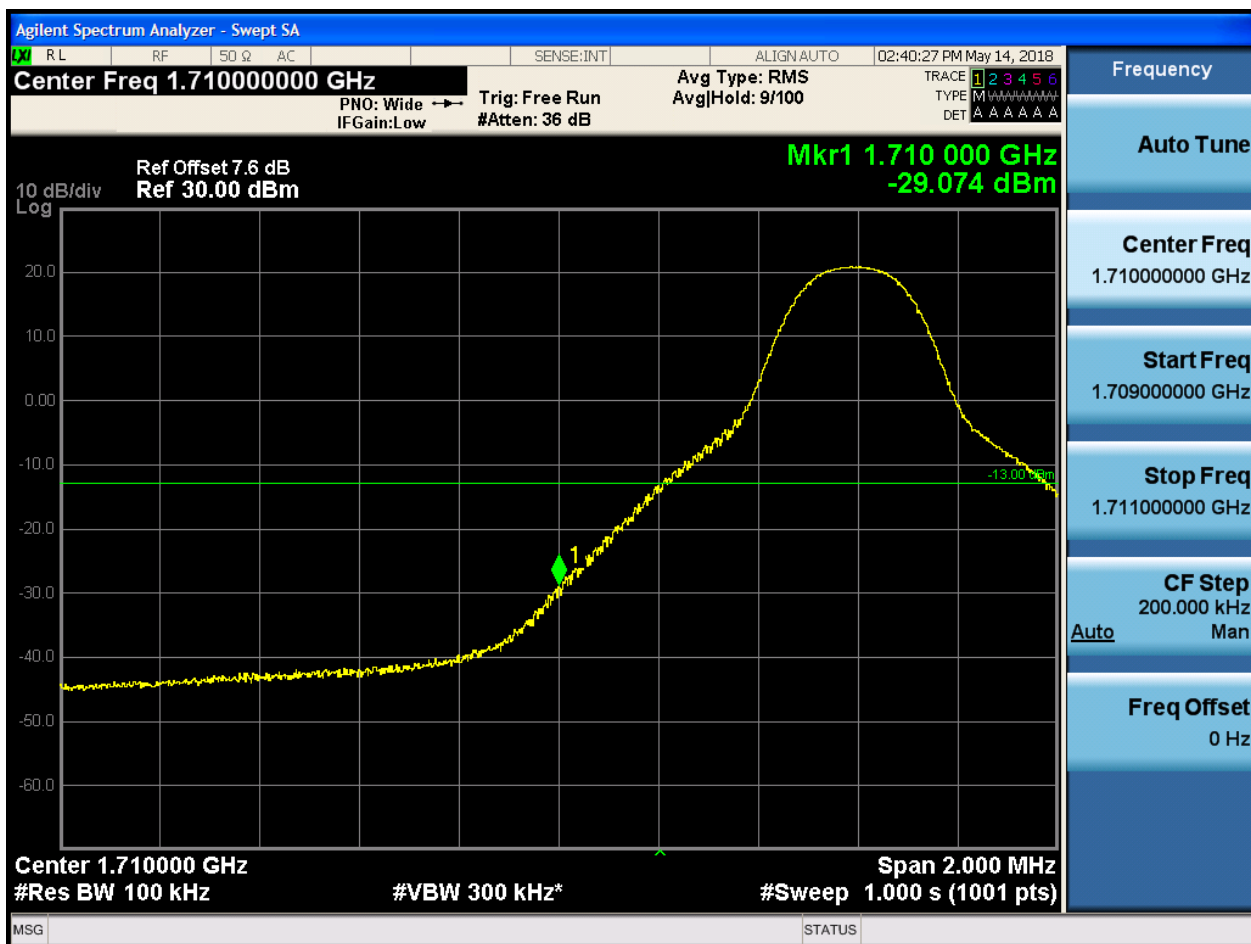
5.1.1.1.3.2.4 Test RB = RB25#0

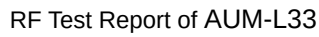


5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:40:43 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-51.338 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)

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



5.1.1.1.4.1.3 Test RB = RB25#13



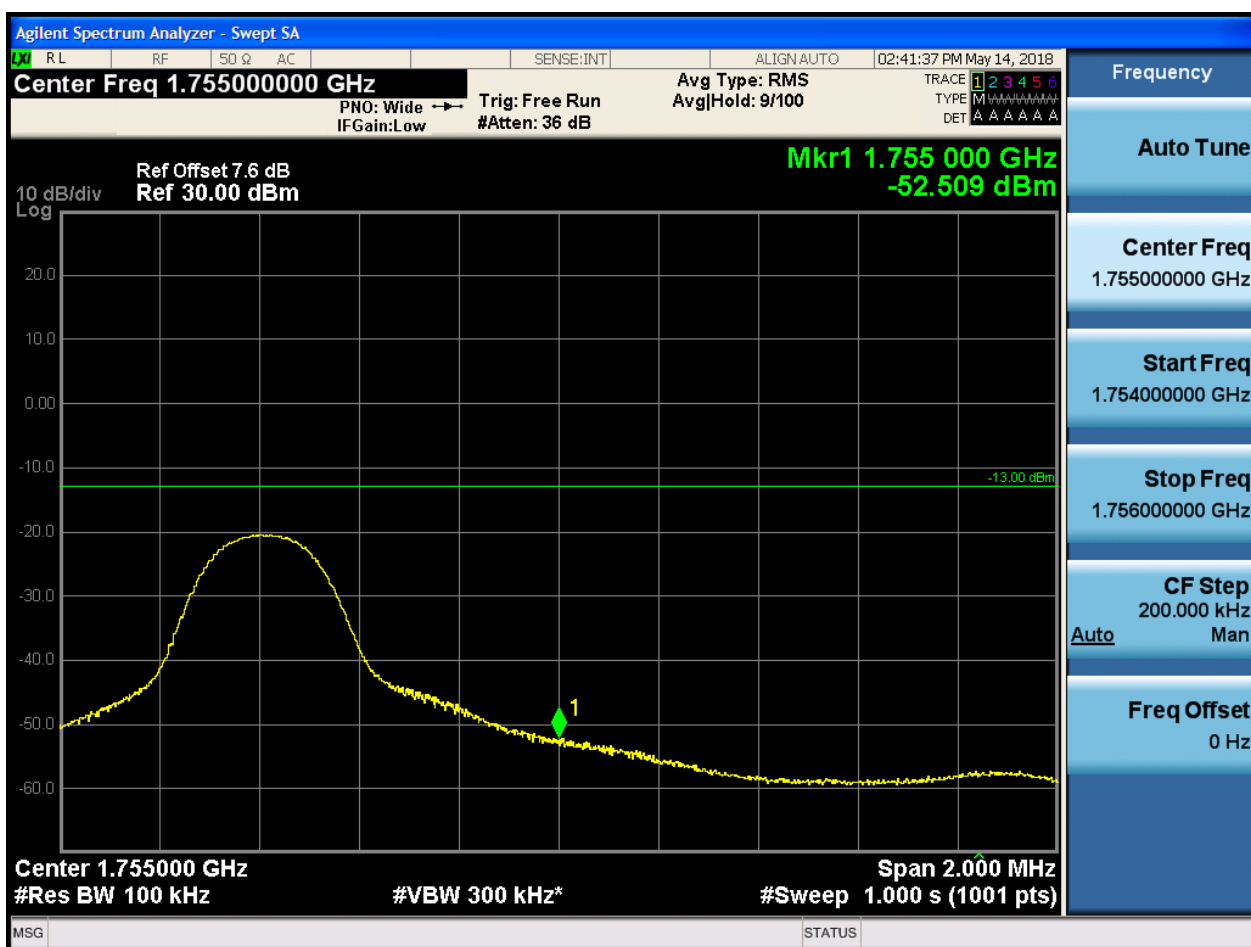


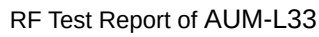
5.1.1.1.4.1.4 Test RB = RB50#0



5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.6 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-30.486 dBm

Center 1.755000 GHz
#Res BW 100 kHz
#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
1.755000000 GHz

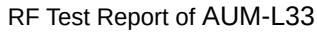
Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:42:09 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

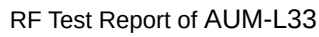
Mkr1 1.755 030 GHz
-32.465 dBm

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

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 02:42:25 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 9/100
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

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

10 dB/div
Log

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-30.301 dBm

-13.00 dBm

Center 1.755000 GHz
#Res BW 100 kHz

#VBW 300 kHz*

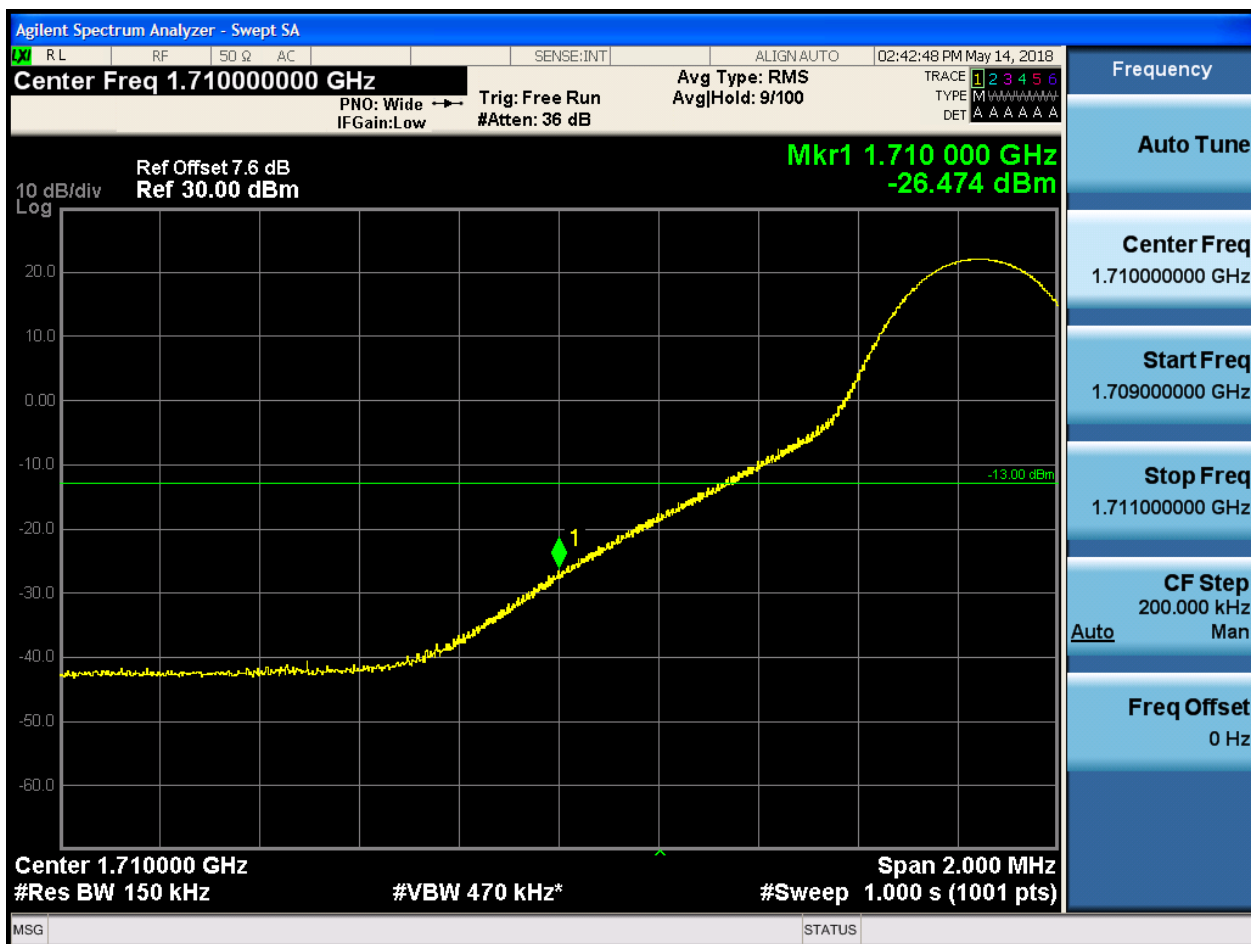
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

5.1.1.1.5 Test Bandwidth = 15

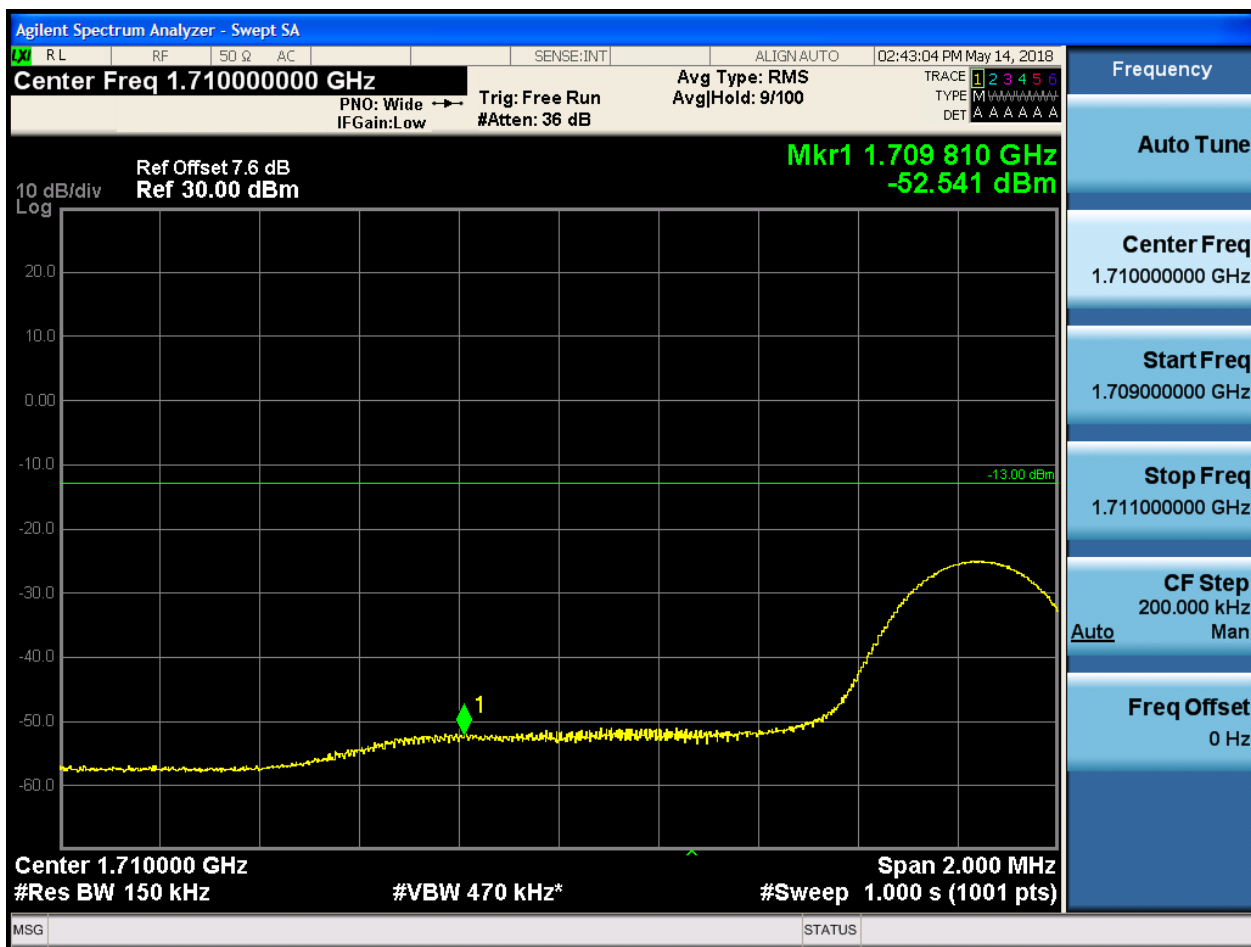
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





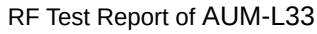
5.1.1.1.5.1.2 Test RB = RB1#74





5.1.1.1.5.1.3 Test RB = RB38#19





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:43:36 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-33.841 dBm

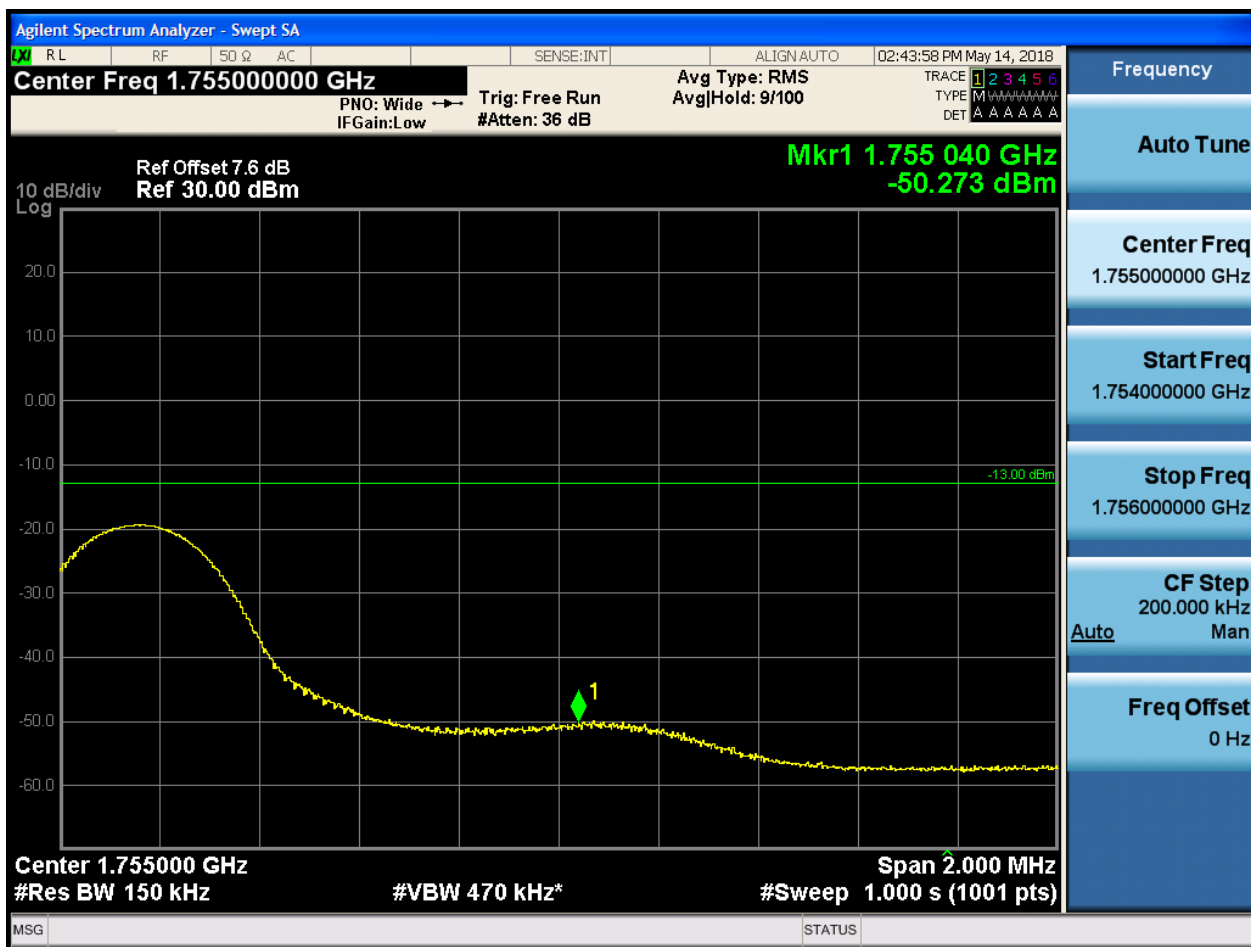
10 dB/div
Log

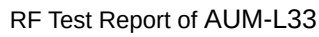
Center 1.710000 GHz
#Res BW 150 kHz
#VBW 470 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:44:14 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide Trig: 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

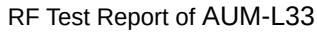
Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-27.034 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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:44:30 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-33.210 dBm

10 dB/div
Log

-13.00 dBm

1

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

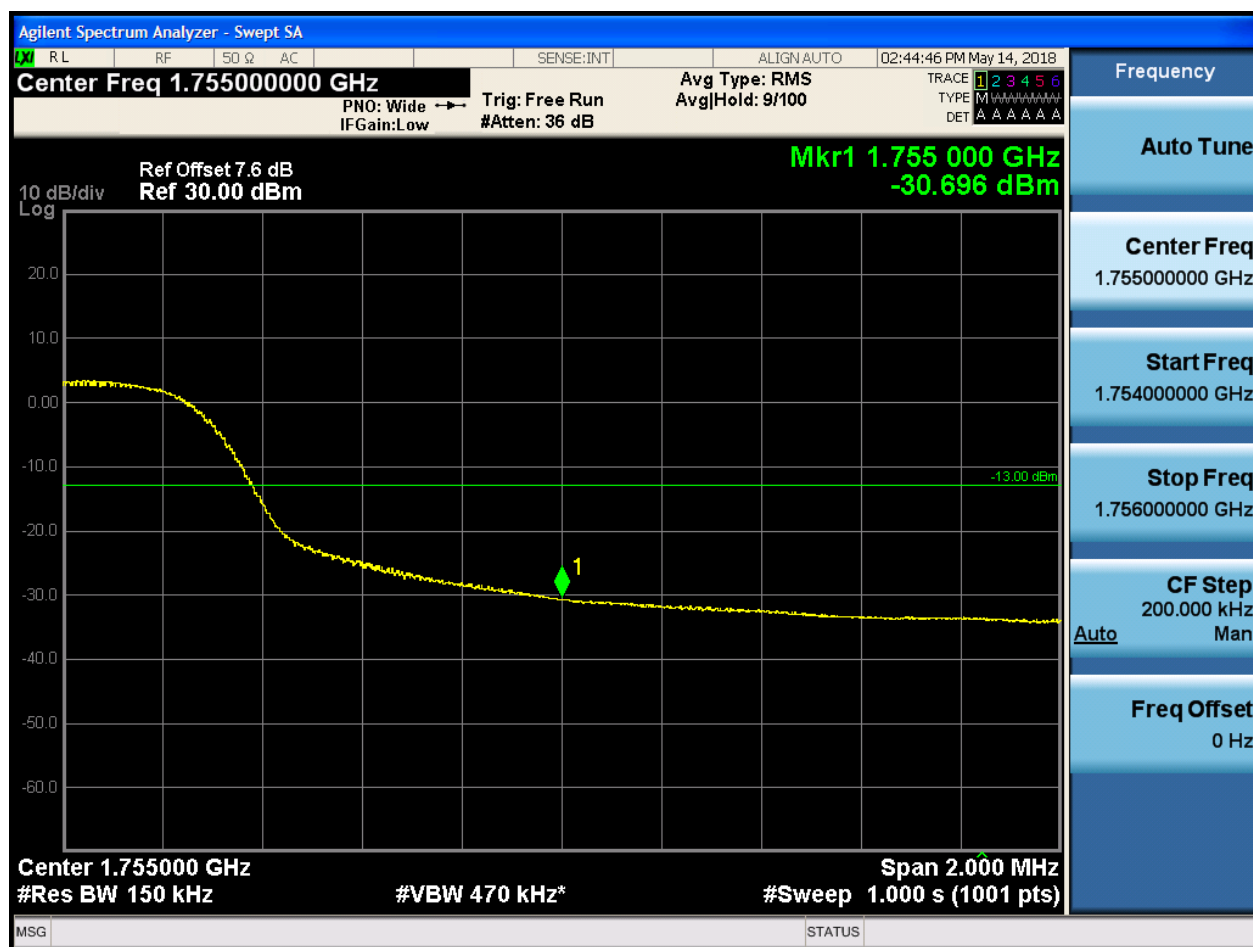
Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.1.5.2.4 Test RB = RB75#0

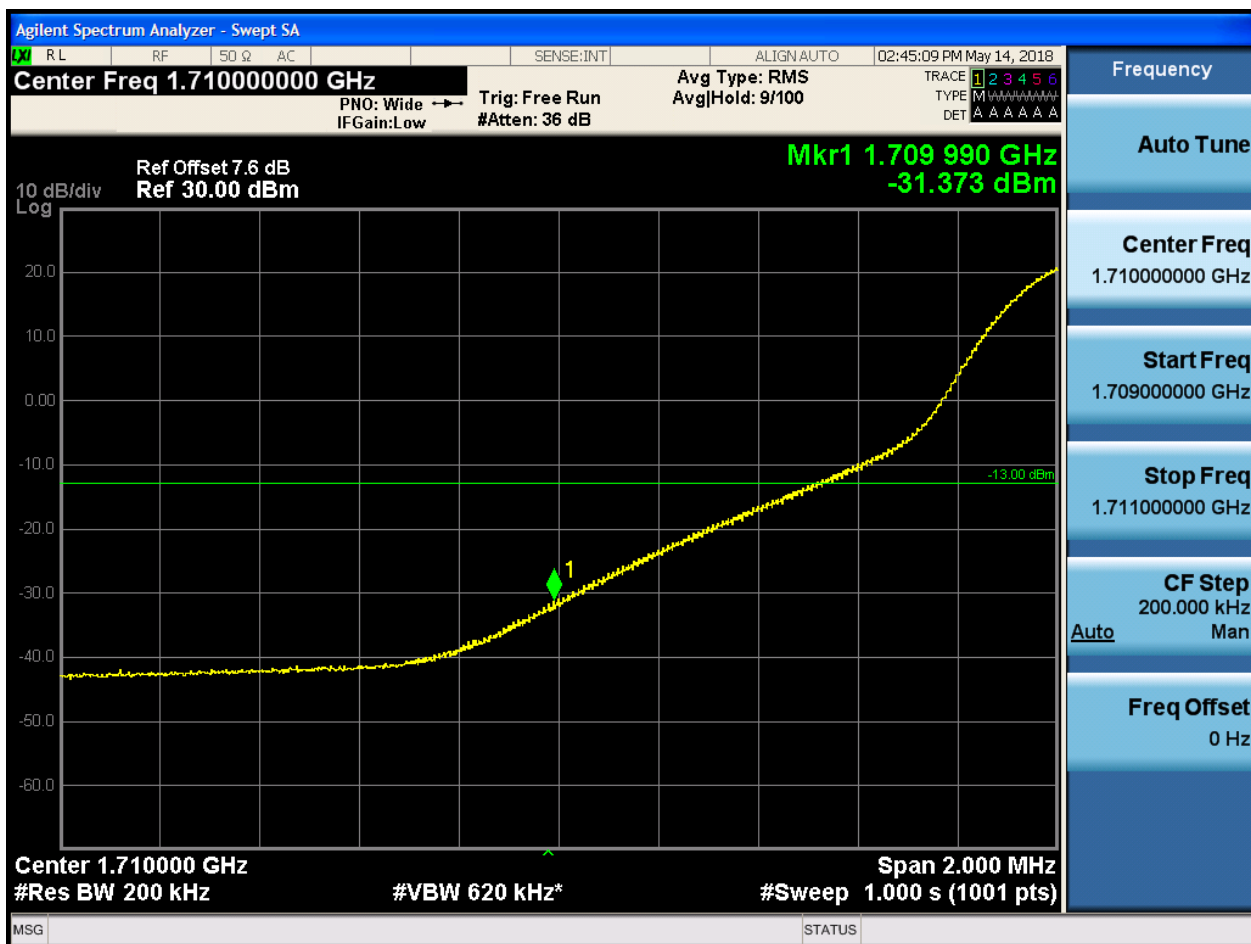




5.1.1.1.6 Test Bandwidth = 20

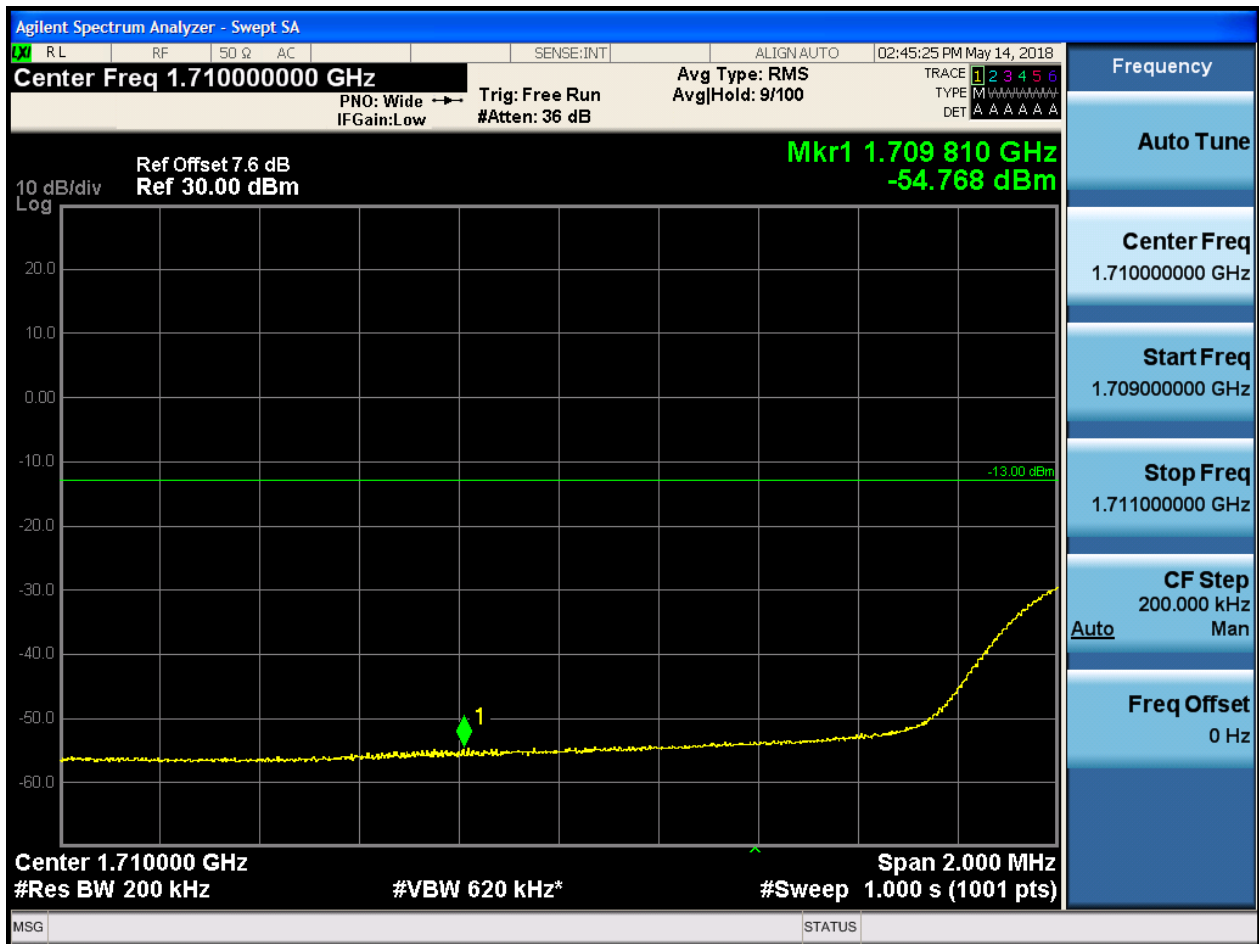
5.1.1.1.6.1 Test Channel = LCH

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





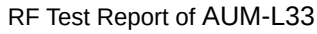
5.1.1.1.6.1.4 Test RB = RB100#0



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

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:46:35 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-30.202 dBm

10 dB/div
Log

-13.00 dBm

1

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

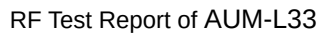
Center Freq
1.755000000 GHz

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 02:46:51 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide Trig: 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 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-32.607 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

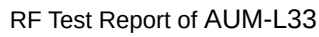
Center Freq
1.755000000 GHz

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 02:47:07 PM May 14, 2018

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

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

10 dB/div Ref Offset 7.6 dB Mkr1 1.755 000 GHz
Log Ref 30.00 dBm -31.269 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

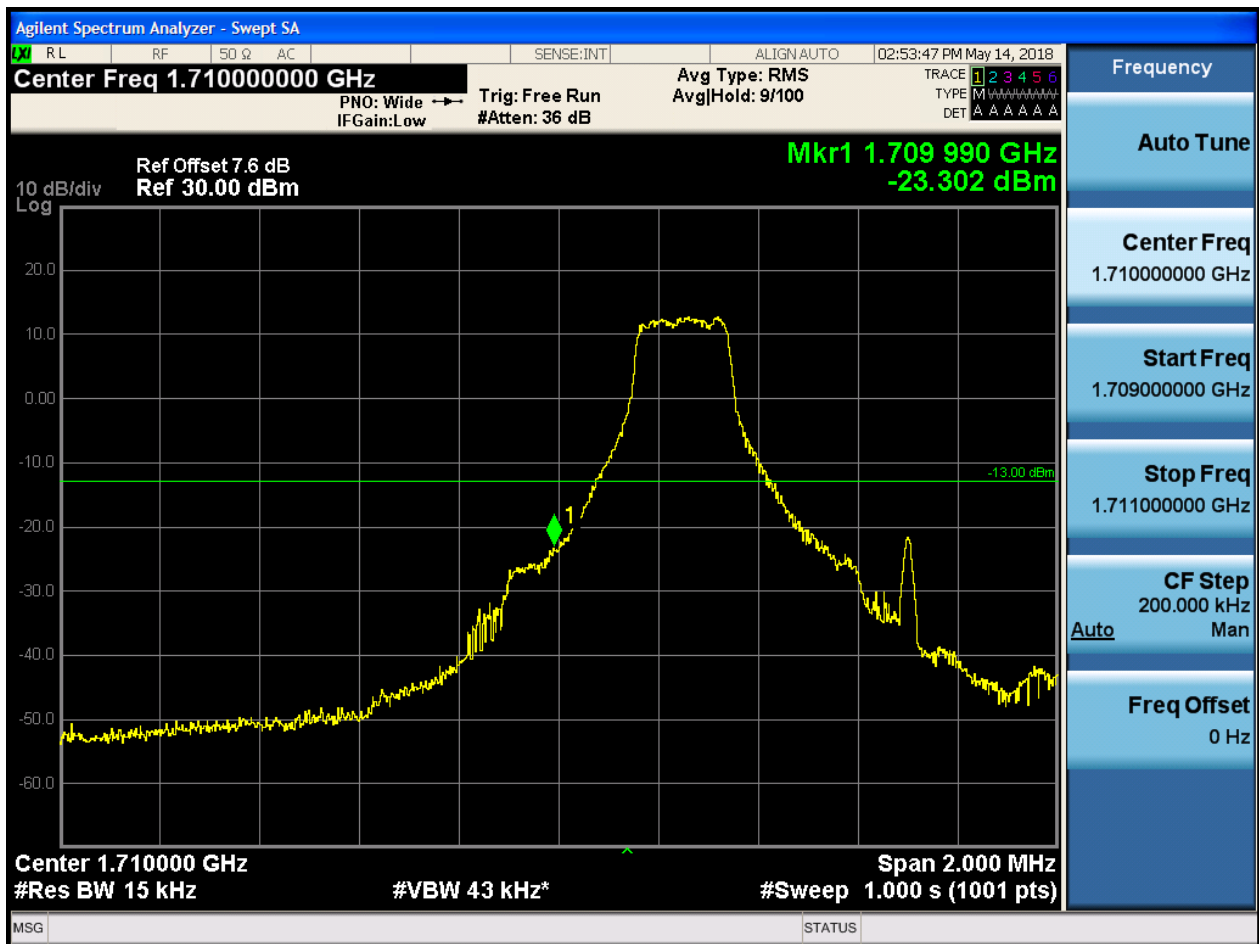


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

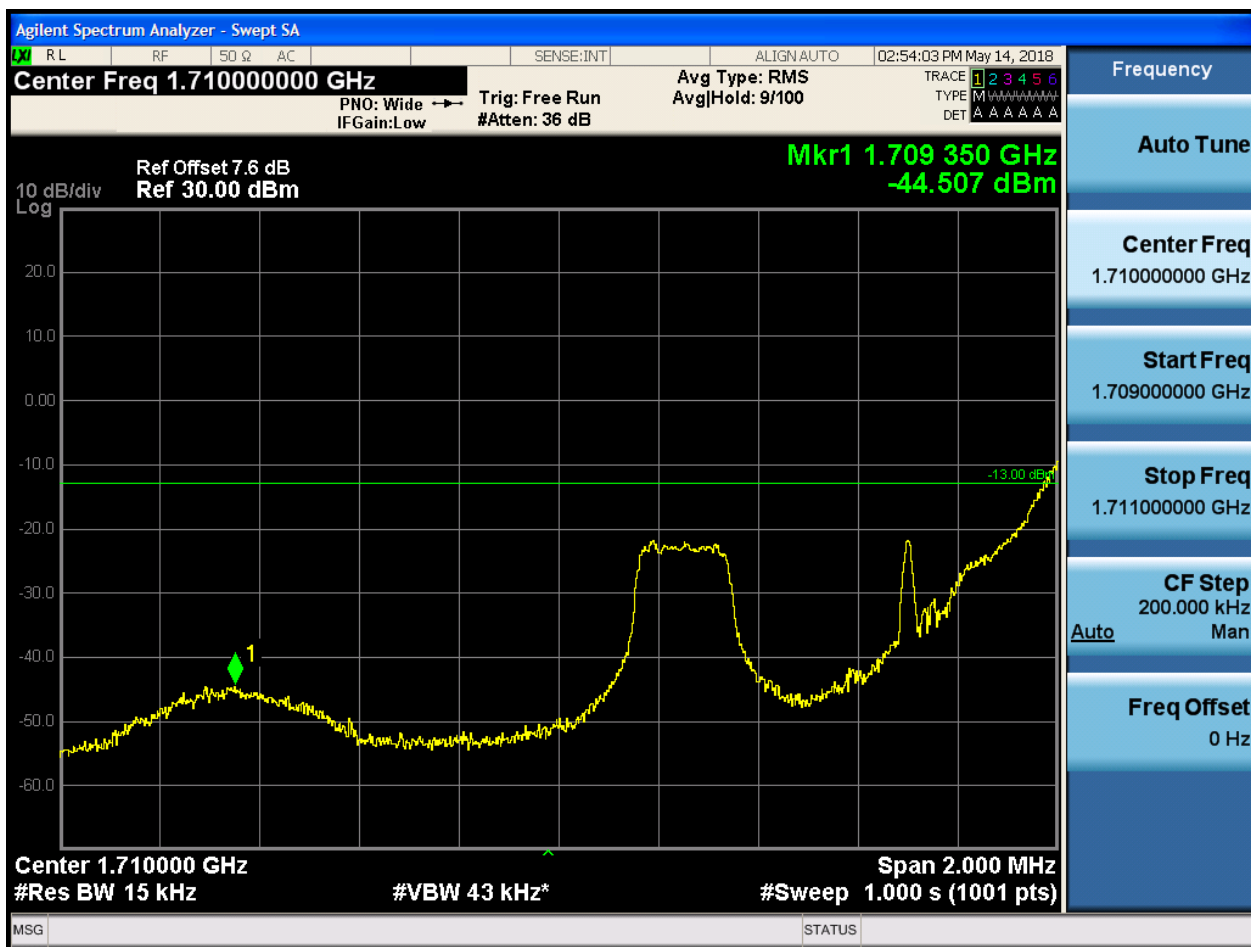
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



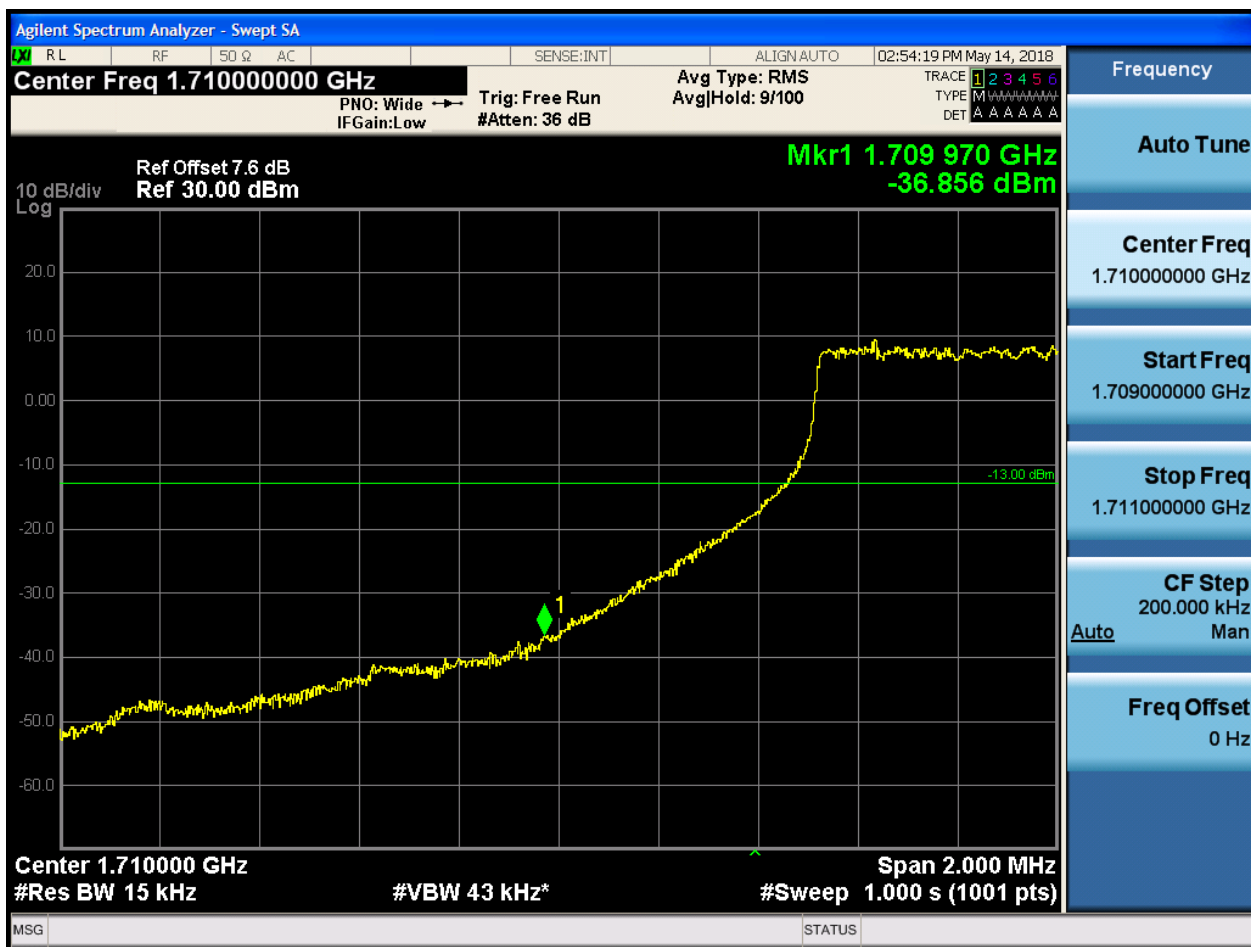


5.1.1.2.1.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2



5.1.1.2.1.1.4 Test RB = RB6#0



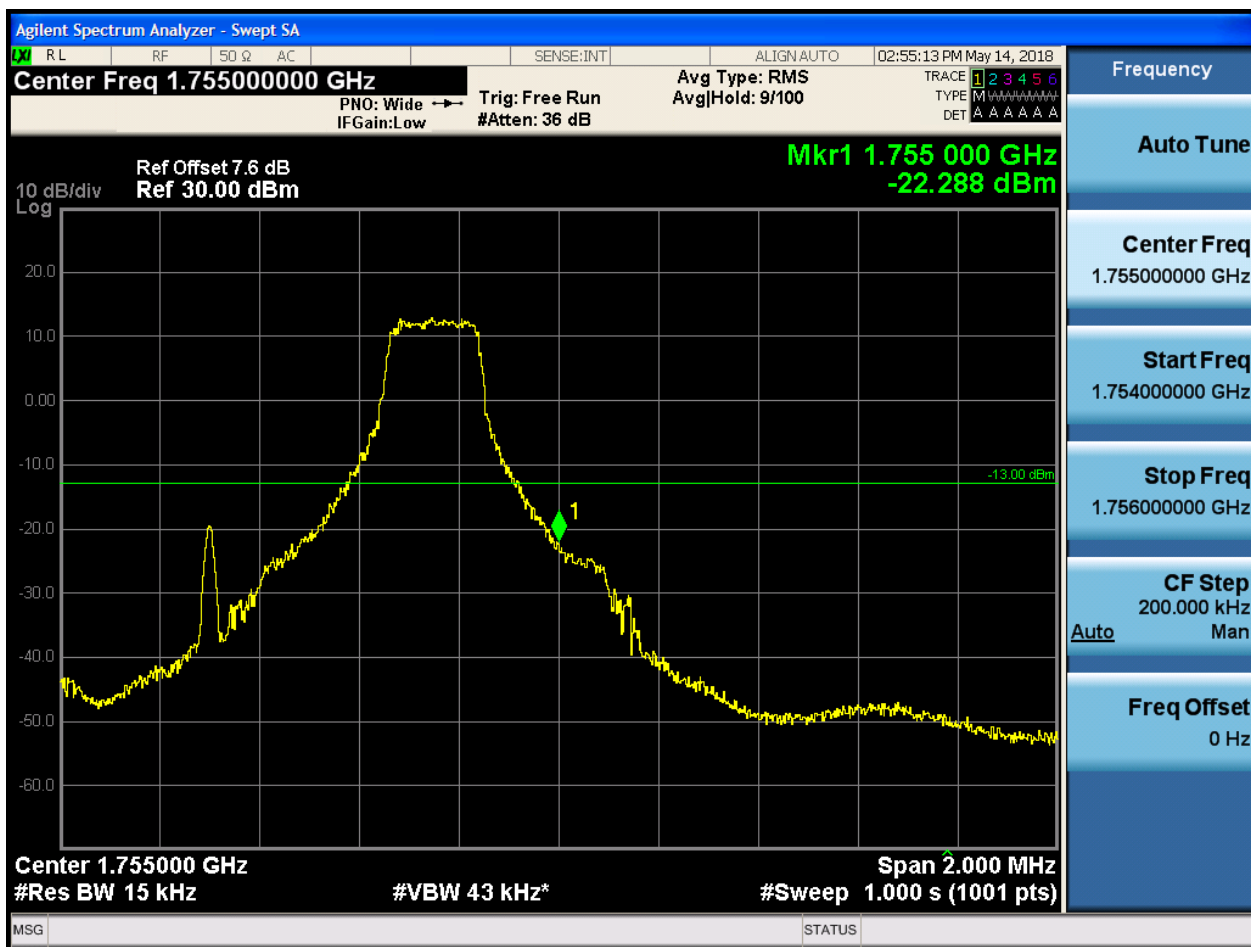
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





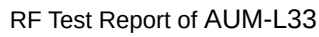
5.1.1.2.1.2.2 Test RB = RB1#5





5.1.1.2.1.2.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:55:45 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-28.181 dBm

10 dB/div
Log

-13.00 dBm

1

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

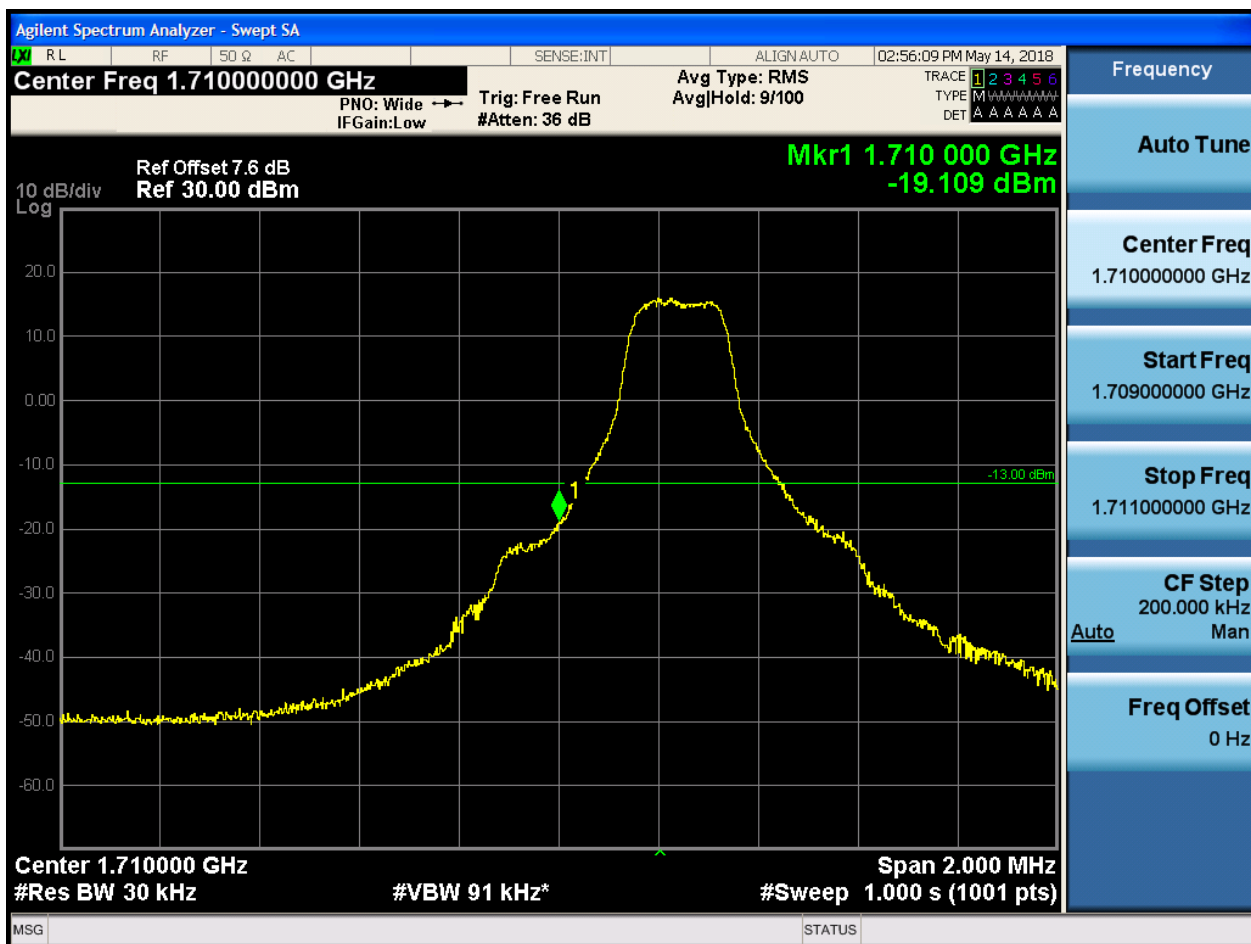
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

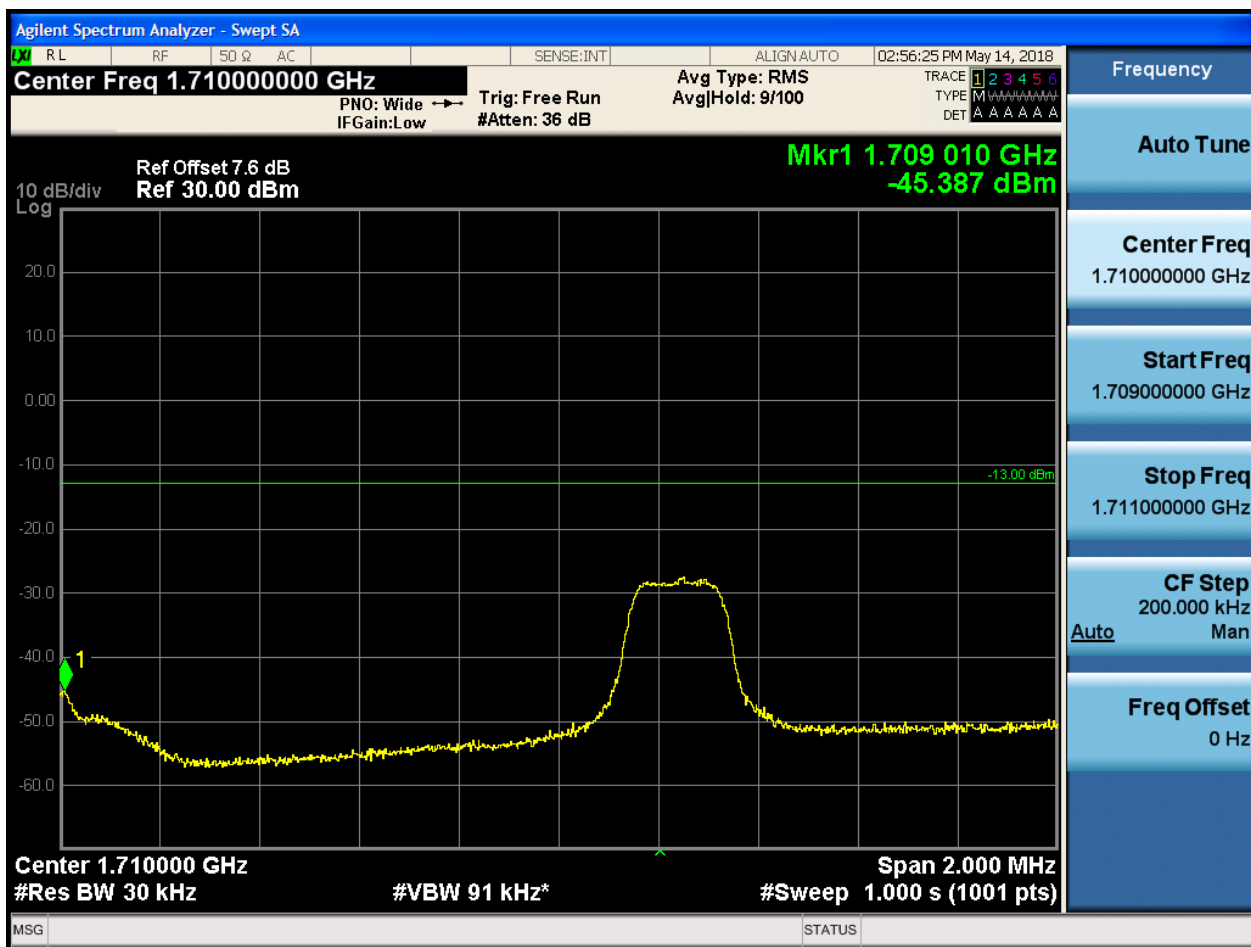
5.1.1.2.2 Test Bandwidth = 3

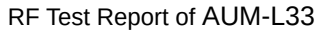
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



5.1.1.2.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:56:41 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run AvgHold: 9/100
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 7.6 dB
Ref 30.00 dBm

Mkr1 1.709 990 GHz
-34.971 dBm

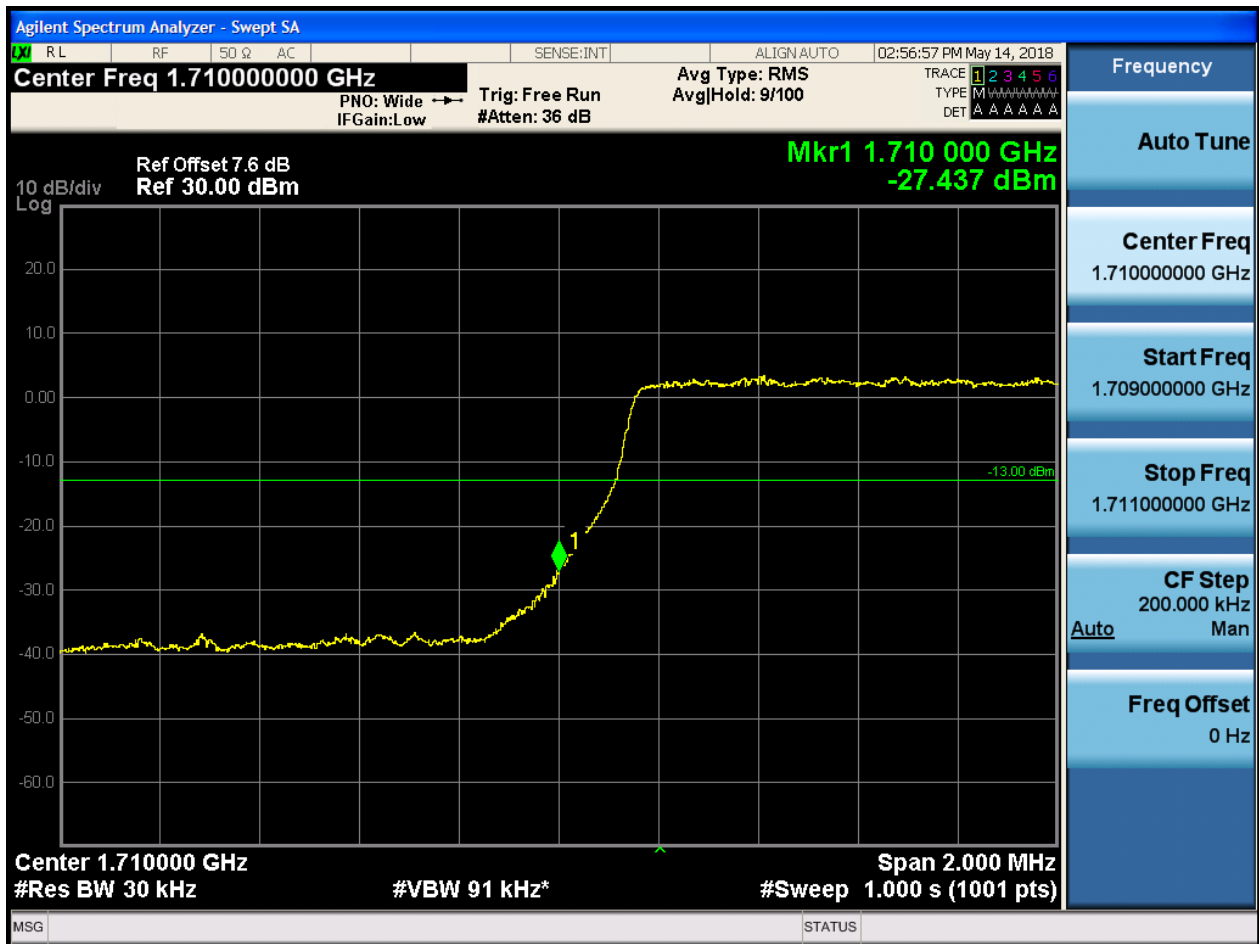
10 dB/div
Log

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

MSG STATUS



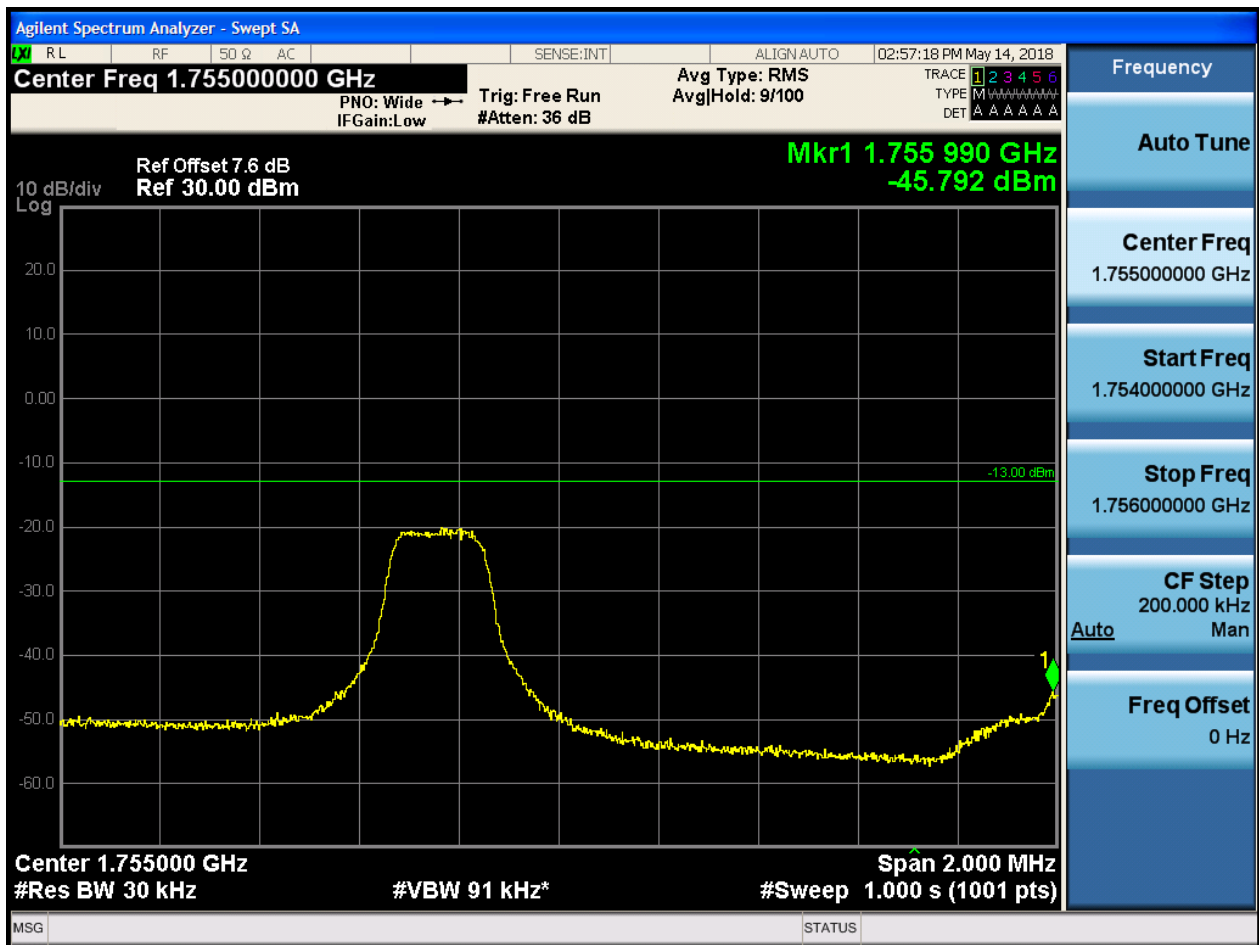
5.1.1.2.2.1.4 Test RB = RB15#0





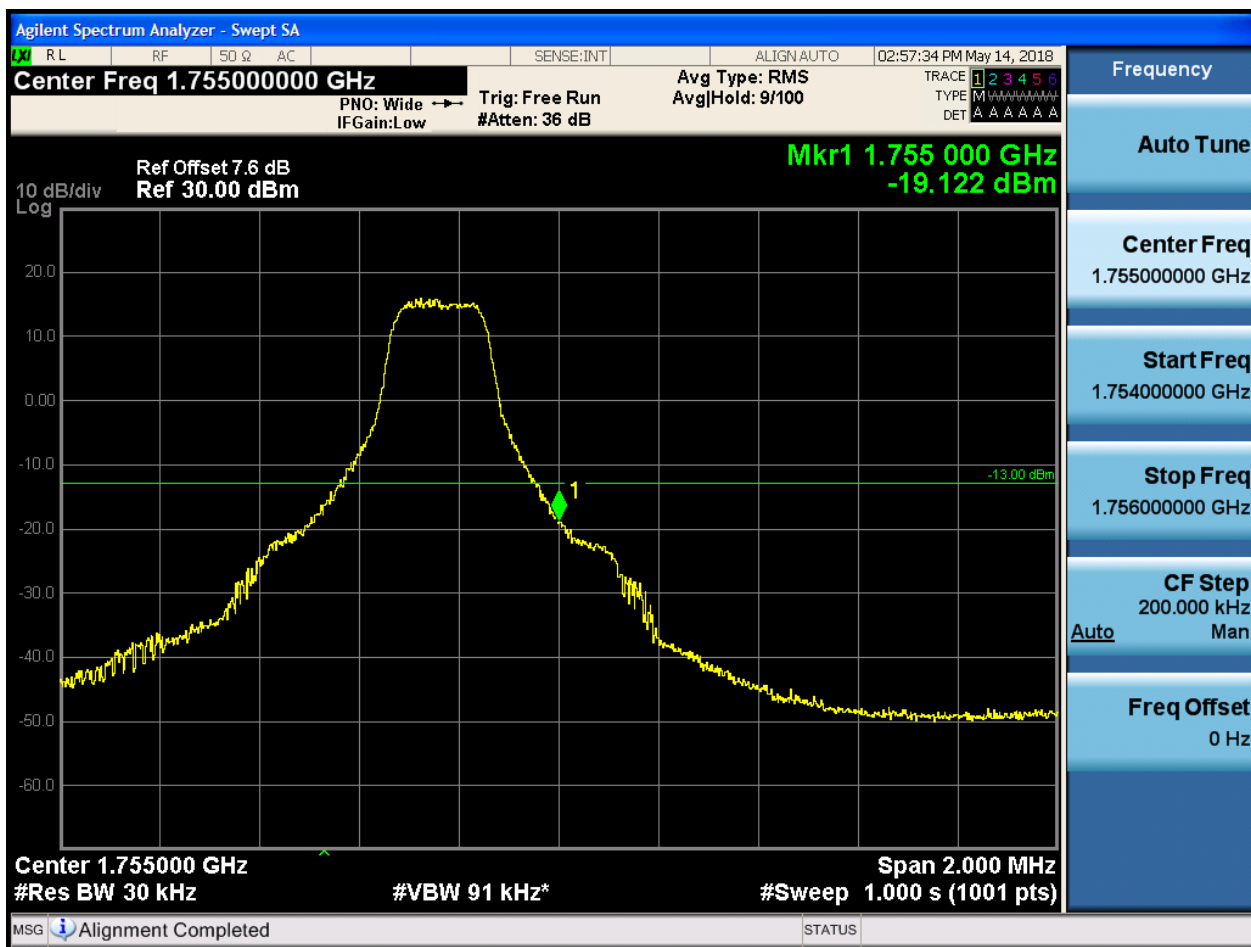
5.1.1.2.2.2 Test Channel = HCH

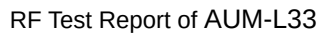
5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 02:57:50 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide Trig: 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 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 020 GHz
-31.925 dBm

10 dB/div
Log

-13.00 dBm

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

MSG STATUS

Frequency

Auto Tune

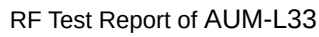
Center Freq
1.755000000 GHz

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 02:58:06 PM May 14, 2018

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

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

Ref Offset 7.6 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-27.183 dBm

10 dB/div
Log

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

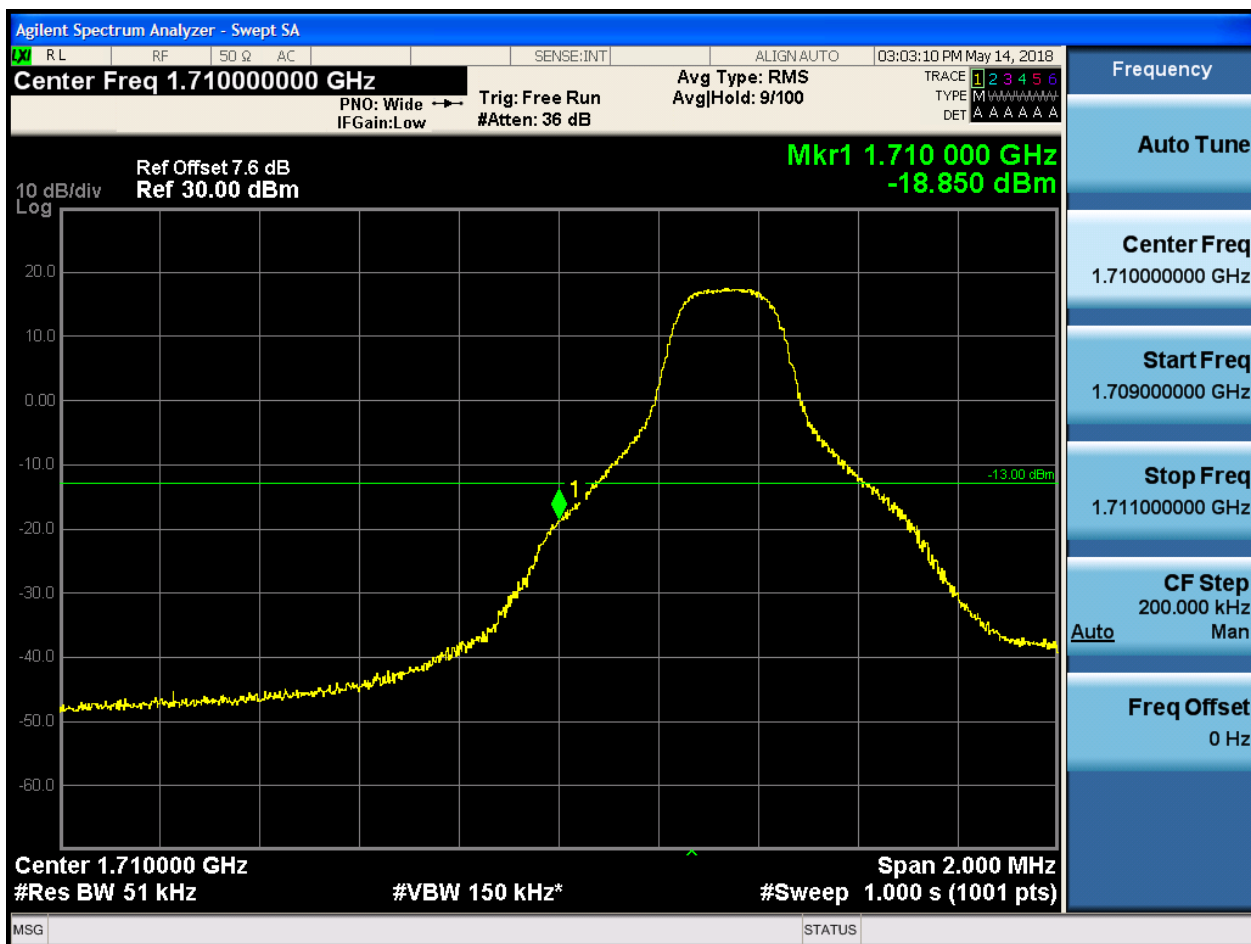
MSG STATUS



5.1.1.2.3 Test Bandwidth = 5

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#24

