



Appendix for LTE B4



1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted power[dBm]	EIRP(dBm)	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	23.52	23.82	30	PASS
				RB1#3	23.6	23.9	30	PASS
				RB1#5	23.46	23.76	30	PASS
				RB3#0	23.53	23.83	30	PASS
				RB3#2	23.53	23.83	30	PASS
				RB3#3	23.47	23.77	30	PASS
				RB6#0	22.56	22.86	30	PASS
			MCH	RB1#0	23.85	24.15	30	PASS
				RB1#3	23.86	24.16	30	PASS
				RB1#5	23.81	24.11	30	PASS
				RB3#0	23.84	24.14	30	PASS
				RB3#2	23.83	24.13	30	PASS
				RB3#3	23.78	24.08	30	PASS
				RB6#0	22.88	23.18	30	PASS
			HCH	RB1#0	23.69	23.99	30	PASS
				RB1#3	23.75	24.05	30	PASS
				RB1#5	23.62	23.92	30	PASS
				RB3#0	23.74	24.04	30	PASS
				RB3#2	23.72	24.02	30	PASS
				RB3#3	23.66	23.96	30	PASS
				RB6#0	22.83	23.13	30	PASS
		3	LCH	RB1#0	23.32	23.62	30	PASS
				RB1#7	23.59	23.89	30	PASS
				RB1#14	23.31	23.61	30	PASS
				RB8#0	22.58	22.88	30	PASS
				RB8#4	22.58	22.88	30	PASS
				RB8#7	22.5	22.8	30	PASS
				RB15#0	22.53	22.83	30	PASS
			MCH	RB1#0	23.75	24.05	30	PASS
				RB1#7	24	24.3	30	PASS
				RB1#14	23.62	23.92	30	PASS
				RB8#0	22.89	23.19	30	PASS
				RB8#4	22.9	23.2	30	PASS
				RB8#7	22.83	23.13	30	PASS
				RB15#0	22.85	23.15	30	PASS
			HCH	RB1#0	23.65	23.95	30	PASS
				RB1#7	23.78	24.08	30	PASS
				RB1#14	23.52	23.82	30	PASS

				RB8#0	22.82	23.12	30	PASS
				RB8#4	22.81	23.11	30	PASS
				RB8#7	22.78	23.08	30	PASS
				RB15#0	22.78	23.08	30	PASS
		5	LCH	RB1#0	23.34	23.64	30	PASS
				RB1#13	23.58	23.88	30	PASS
				RB1#24	23.17	23.47	30	PASS
				RB12#0	22.56	22.86	30	PASS
				RB12#6	22.6	22.9	30	PASS
				RB12#13	22.38	22.68	30	PASS
				RB25#0	22.47	22.77	30	PASS
			MCH	RB1#0	23.63	23.93	30	PASS
				RB1#13	23.85	24.15	30	PASS
				RB1#24	23.41	23.71	30	PASS
				RB12#0	22.85	23.15	30	PASS
				RB12#6	22.94	23.24	30	PASS
				RB12#13	22.74	23.04	30	PASS
				RB25#0	22.79	23.09	30	PASS
			HCH	RB1#0	23.55	23.85	30	PASS
				RB1#13	23.72	24.02	30	PASS
				RB1#24	23.3	23.6	30	PASS
				RB12#0	22.82	23.12	30	PASS
				RB12#6	22.87	23.17	30	PASS
				RB12#13	22.68	22.98	30	PASS
				RB25#0	22.77	23.07	30	PASS
		10	LCH	RB1#0	23.22	23.52	30	PASS
				RB1#25	23.6	23.9	30	PASS
				RB1#49	23.21	23.51	30	PASS
				RB25#0	22.49	22.79	30	PASS
				RB25#13	22.56	22.86	30	PASS
				RB25#25	22.46	22.76	30	PASS
				RB50#0	22.47	22.77	30	PASS
			MCH	RB1#0	23.61	23.91	30	PASS
				RB1#25	23.97	24.27	30	PASS
				RB1#49	23.72	24.02	30	PASS
				RB25#0	22.76	23.06	30	PASS
				RB25#13	22.86	23.16	30	PASS
				RB25#25	22.82	23.12	30	PASS
				RB50#0	22.83	23.13	30	PASS
			HCH	RB1#0	23.52	23.82	30	PASS
				RB1#25	23.88	24.18	30	PASS

				RB1#49	23.46	23.76	30	PASS
				RB25#0	22.71	23.01	30	PASS
				RB25#13	22.8	23.1	30	PASS
				RB25#25	22.69	22.99	30	PASS
				RB50#0	22.73	23.03	30	PASS
		15	LCH	RB1#0	23.38	23.68	30	PASS
				RB1#38	23.64	23.94	30	PASS
				RB1#74	23.4	23.7	30	PASS
				RB38#0	22.58	22.88	30	PASS
				RB38#19	22.63	22.93	30	PASS
				RB38#39	22.56	22.86	30	PASS
				RB75#0	22.57	22.87	30	PASS
			MCH	RB1#0	23.52	23.82	30	PASS
				RB1#38	23.9	24.2	30	PASS
				RB1#74	23.34	23.64	30	PASS
				RB38#0	22.77	23.07	30	PASS
				RB38#19	22.85	23.15	30	PASS
				RB38#39	22.86	23.16	30	PASS
				RB75#0	22.76	23.06	30	PASS
			HCH	RB1#0	23.6	23.9	30	PASS
				RB1#38	23.84	24.14	30	PASS
				RB1#74	23.47	23.77	30	PASS
				RB38#0	22.75	23.05	30	PASS
				RB38#19	22.84	23.14	30	PASS
				RB38#39	22.79	23.09	30	PASS
				RB75#0	22.81	23.11	30	PASS
		20	LCH	RB1#0	23.43	23.73	30	PASS
				RB1#50	23.82	24.12	30	PASS
				RB1#99	23.69	23.99	30	PASS
				RB50#0	22.49	22.79	30	PASS
				RB50#25	22.61	22.91	30	PASS
				RB50#50	22.56	22.86	30	PASS
				RB100#0	22.53	22.83	30	PASS
			MCH	RB1#0	23.6	23.9	30	PASS
				RB1#50	24.05	24.35	30	PASS
				RB1#99	23.7	24	30	PASS
				RB50#0	22.66	22.96	30	PASS
				RB50#25	22.87	23.17	30	PASS
				RB50#50	22.75	23.05	30	PASS
				RB100#0	22.66	22.96	30	PASS
			HCH	RB1#0	23.75	24.05	30	PASS

				RB1#50	23.79	24.09	30	PASS
				RB1#99	23.57	23.87	30	PASS
				RB50#0	22.73	23.03	30	PASS
				RB50#25	22.74	23.04	30	PASS
				RB50#50	22.76	23.06	30	PASS
				RB100#0	22.76	23.06	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.53	22.83	30	PASS
				RB1#3	22.55	22.85	30	PASS
				RB1#5	22.51	22.81	30	PASS
				RB3#0	22.64	22.94	30	PASS
				RB3#2	22.63	22.93	30	PASS
				RB3#3	22.59	22.89	30	PASS
				RB6#0	21.7	22	30	PASS
			MCH	RB1#0	22.87	23.17	30	PASS
				RB1#3	22.89	23.19	30	PASS
				RB1#5	22.8	23.1	30	PASS
				RB3#0	22.81	23.11	30	PASS
				RB3#2	22.79	23.09	30	PASS
				RB3#3	22.75	23.05	30	PASS
				RB6#0	21.96	22.26	30	PASS
			HCH	RB1#0	22.87	23.17	30	PASS
				RB1#3	22.97	23.27	30	PASS
				RB1#5	22.79	23.09	30	PASS
				RB3#0	22.81	23.11	30	PASS
				RB3#2	22.81	23.11	30	PASS
				RB3#3	22.75	23.05	30	PASS
				RB6#0	21.97	22.27	30	PASS
		3	LCH	RB1#0	22.54	22.84	30	PASS
				RB1#7	22.73	23.03	30	PASS
				RB1#14	22.47	22.77	30	PASS
				RB8#0	21.56	21.86	30	PASS
				RB8#4	21.57	21.87	30	PASS
				RB8#7	21.49	21.79	30	PASS
				RB15#0	21.57	21.87	30	PASS
			MCH	RB1#0	22.81	23.11	30	PASS
				RB1#7	22.86	23.16	30	PASS
				RB1#14	22.56	22.86	30	PASS
				RB8#0	22	22.3	30	PASS
				RB8#4	21.96	22.26	30	PASS
				RB8#7	21.89	22.19	30	PASS
				RB15#0	21.87	22.17	30	PASS

			HCH	RB1#0	22.9	23.2	30	PASS
				RB1#7	22.99	23.29	30	PASS
				RB1#14	22.75	23.05	30	PASS
				RB8#0	21.94	22.24	30	PASS
				RB8#4	21.95	22.25	30	PASS
				RB8#7	21.91	22.21	30	PASS
				RB15#0	21.83	22.13	30	PASS
		5	LCH	RB1#0	22.71	23.01	30	PASS
				RB1#13	22.92	23.22	30	PASS
				RB1#24	22.54	22.84	30	PASS
				RB12#0	21.69	21.99	30	PASS
				RB12#6	21.75	22.05	30	PASS
				RB12#13	21.54	21.84	30	PASS
				RB25#0	21.57	21.87	30	PASS
			MCH	RB1#0	22.72	23.02	30	PASS
				RB1#13	22.91	23.21	30	PASS
				RB1#24	22.48	22.78	30	PASS
				RB12#0	21.97	22.27	30	PASS
				RB12#6	22.02	22.32	30	PASS
				RB12#13	21.78	22.08	30	PASS
				RB25#0	21.82	22.12	30	PASS
			HCH	RB1#0	22.96	23.26	30	PASS
				RB1#13	23.14	23.44	30	PASS
				RB1#24	22.72	23.02	30	PASS
				RB12#0	21.95	22.25	30	PASS
				RB12#6	22	22.3	30	PASS
				RB12#13	21.84	22.14	30	PASS
				RB25#0	21.8	22.1	30	PASS
		10	LCH	RB1#0	22.39	22.69	30	PASS
				RB1#25	22.75	23.05	30	PASS
				RB1#49	22.32	22.62	30	PASS
				RB25#0	21.55	21.85	30	PASS
				RB25#13	21.62	21.92	30	PASS
				RB25#25	21.53	21.83	30	PASS
				RB50#0	21.53	21.83	30	PASS
			MCH	RB1#0	22.53	22.83	30	PASS
				RB1#25	22.96	23.26	30	PASS
				RB1#49	22.6	22.9	30	PASS
				RB25#0	21.76	22.06	30	PASS
				RB25#13	21.86	22.16	30	PASS
				RB25#25	21.82	22.12	30	PASS

				RB50#0	21.82	22.12	30	PASS
			HCH	RB1#0	22.88	23.18	30	PASS
				RB1#25	23.26	23.56	30	PASS
				RB1#49	22.89	23.19	30	PASS
				RB25#0	21.73	22.03	30	PASS
				RB25#13	21.82	22.12	30	PASS
				RB25#25	21.71	22.01	30	PASS
				RB50#0	21.8	22.1	30	PASS
		15	LCH	RB1#0	22.55	22.85	30	PASS
				RB1#38	22.9	23.2	30	PASS
				RB1#74	22.68	22.98	30	PASS
				RB38#0	21.62	21.92	30	PASS
				RB38#19	21.67	21.97	30	PASS
				RB38#39	21.6	21.9	30	PASS
				RB75#0	21.59	21.89	30	PASS
			MCH	RB1#0	22.69	22.99	30	PASS
				RB1#38	23	23.3	30	PASS
				RB1#74	22.56	22.86	30	PASS
				RB38#0	21.8	22.1	30	PASS
				RB38#19	21.88	22.18	30	PASS
				RB38#39	21.83	22.13	30	PASS
				RB75#0	21.8	22.1	30	PASS
			HCH	RB1#0	22.94	23.24	30	PASS
				RB1#38	23.15	23.45	30	PASS
				RB1#74	22.85	23.15	30	PASS
				RB38#0	21.79	22.09	30	PASS
				RB38#19	21.88	22.18	30	PASS
				RB38#39	21.83	22.13	30	PASS
				RB75#0	21.85	22.15	30	PASS
		20	LCH	RB1#0	22.76	23.06	30	PASS
				RB1#50	23.12	23.42	30	PASS
				RB1#99	23.04	23.34	30	PASS
				RB50#0	21.5	21.8	30	PASS
				RB50#25	21.63	21.93	30	PASS
				RB50#50	21.57	21.87	30	PASS
				RB100#0	21.57	21.87	30	PASS
			MCH	RB1#0	22.68	22.98	30	PASS
				RB1#50	23.15	23.45	30	PASS
				RB1#99	22.79	23.09	30	PASS
				RB50#0	21.66	21.96	30	PASS
				RB50#25	21.87	22.17	30	PASS

				RB50#50	21.76	22.06	30	PASS
				RB100#0	21.7	22	30	PASS
			HCH	RB1#0	23.1	23.4	30	PASS
				RB1#50	23.12	23.42	30	PASS
				RB1#99	22.85	23.15	30	PASS
				RB50#0	21.78	22.08	30	PASS
				RB50#25	21.79	22.09	30	PASS
				RB50#50	21.8	22.1	30	PASS
				RB100#0	21.78	22.08	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: SET Span=1.5*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3*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	3.77	13	PASS
				RB1#3	3.74	13	PASS
				RB1#5	3.81	13	PASS
				RB3#0	4.05	13	PASS
				RB3#2	3.96	13	PASS
				RB3#3	4.13	13	PASS
				RB6#0	5.4	13	PASS
			MCH	RB1#0	3.8	13	PASS
				RB1#3	3.82	13	PASS
				RB1#5	3.79	13	PASS
				RB3#0	4.34	13	PASS
				RB3#2	4.23	13	PASS
				RB3#3	4.31	13	PASS
				RB6#0	5.21	13	PASS
			HCH	RB1#0	2.97	13	PASS
				RB1#3	2.89	13	PASS
				RB1#5	2.93	13	PASS
				RB3#0	3.41	13	PASS
				RB3#2	3.17	13	PASS
				RB3#3	3.39	13	PASS
				RB6#0	4.58	13	PASS
		3	LCH	RB1#0	3.74	13	PASS
				RB1#7	3.55	13	PASS
				RB1#14	3.89	13	PASS
				RB8#0	4.99	13	PASS
				RB8#4	4.9	13	PASS
				RB8#7	4.99	13	PASS
				RB15#0	5.46	13	PASS
			MCH	RB1#0	3.94	13	PASS
				RB1#7	3.72	13	PASS
				RB1#14	3.92	13	PASS
				RB8#0	5.11	13	PASS
				RB8#4	5.09	13	PASS
				RB8#7	5.1	13	PASS
				RB15#0	5.37	13	PASS
			HCH	RB1#0	3.3	13	PASS
				RB1#7	2.95	13	PASS
				RB1#14	3.21	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	4.56	13	PASS
				RB8#4	4.32	13	PASS
				RB8#7	4.34	13	PASS
				RB15#0	4.82	13	PASS
			LCH	RB1#0	4.07	13	PASS
				RB1#13	3.83	13	PASS
				RB1#24	4.09	13	PASS
				RB12#0	5.07	13	PASS
				RB12#6	4.98	13	PASS
				RB12#13	5.22	13	PASS
				RB25#0	5.49	13	PASS
			MCH	RB1#0	3.96	13	PASS
				RB1#13	3.78	13	PASS
				RB1#24	3.96	13	PASS
				RB12#0	5.1	13	PASS
				RB12#6	4.9	13	PASS
				RB12#13	5.09	13	PASS
				RB25#0	5.54	13	PASS
			HCH	RB1#0	3.6	13	PASS
				RB1#13	3.13	13	PASS
				RB1#24	3.16	13	PASS
				RB12#0	4.48	13	PASS
				RB12#6	4.18	13	PASS
				RB12#13	4.33	13	PASS
				RB25#0	5.13	13	PASS
		10	LCH	RB1#0	3.86	13	PASS
				RB1#25	3.78	13	PASS
				RB1#49	4.07	13	PASS
				RB25#0	5.16	13	PASS
				RB25#13	5.13	13	PASS
				RB25#25	5.23	13	PASS
				RB50#0	5.53	13	PASS
			MCH	RB1#0	3.95	13	PASS
				RB1#25	3.47	13	PASS
				RB1#49	3.84	13	PASS
				RB25#0	5.25	13	PASS
				RB25#13	5.15	13	PASS
				RB25#25	5.2	13	PASS
				RB50#0	5.77	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	3.68	13	PASS
				RB1#25	3.34	13	PASS
				RB1#49	3.29	13	PASS
				RB25#0	4.71	13	PASS
				RB25#13	4.44	13	PASS
				RB25#25	4.53	13	PASS
				RB50#0	5.38	13	PASS
			LCH	RB1#0	3.81	13	PASS
				RB1#38	3.79	13	PASS
				RB1#74	4.06	13	PASS
				RB38#0	5.26	13	PASS
				RB38#19	5.16	13	PASS
				RB38#39	5.36	13	PASS
				RB75#0	5.89	13	PASS
		15	MCH	RB1#0	4.14	13	PASS
				RB1#38	3.8	13	PASS
				RB1#74	3.97	13	PASS
				RB38#0	5.39	13	PASS
				RB38#19	5.24	13	PASS
				RB38#39	5.23	13	PASS
				RB75#0	5.79	13	PASS
			HCH	RB1#0	3.67	13	PASS
				RB1#38	3.35	13	PASS
				RB1#74	3.42	13	PASS
				RB38#0	4.98	13	PASS
				RB38#19	4.68	13	PASS
				RB38#39	4.74	13	PASS
				RB75#0	5.58	13	PASS
		20	LCH	RB1#0	3.97	13	PASS
				RB1#50	3.88	13	PASS
				RB1#99	4.1	13	PASS
				RB50#0	5.3	13	PASS
				RB50#25	5.28	13	PASS
				RB50#50	5.43	13	PASS
				RB100#0	5.82	13	PASS
			MCH	RB1#0	4.38	13	PASS
				RB1#50	3.6	13	PASS
				RB1#99	3.9	13	PASS
				RB50#0	5.38	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	5.18	13	PASS
				RB50#50	5.14	13	PASS
				RB100#0	5.83	13	PASS
			HCH	RB1#0	4.12	13	PASS
				RB1#50	3.47	13	PASS
				RB1#99	3.62	13	PASS
				RB50#0	5.04	13	PASS
				RB50#25	4.79	13	PASS
				RB50#50	4.79	13	PASS
				RB100#0	5.49	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.6	13	PASS
				RB1#3	4.7	13	PASS
				RB1#5	4.61	13	PASS
				RB3#0	4.87	13	PASS
				RB3#2	4.7	13	PASS
				RB3#3	4.87	13	PASS
				RB6#0	6.17	13	PASS
			MCH	RB1#0	4.77	13	PASS
				RB1#3	4.79	13	PASS
				RB1#5	4.74	13	PASS
				RB3#0	5.01	13	PASS
				RB3#2	4.98	13	PASS
				RB3#3	5.01	13	PASS
				RB6#0	5.98	13	PASS
		3	HCH	RB1#0	3.59	13	PASS
				RB1#3	3.53	13	PASS
				RB1#5	3.46	13	PASS
				RB3#0	4.25	13	PASS
				RB3#2	4.22	13	PASS
				RB3#3	4.27	13	PASS
				RB6#0	5.34	13	PASS
			LCH	RB1#0	4.63	13	PASS
				RB1#7	4.35	13	PASS
				RB1#14	4.79	13	PASS
				RB8#0	5.77	13	PASS
				RB8#4	5.67	13	PASS
				RB8#7	5.84	13	PASS
				RB15#0	6.41	13	PASS
			MCH	RB1#0	4.93	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	4.74	13	PASS
				RB1#14	4.88	13	PASS
				RB8#0	5.82	13	PASS
				RB8#4	5.77	13	PASS
				RB8#7	5.82	13	PASS
				RB15#0	6.16	13	PASS
			HCH	RB1#0	4.09	13	PASS
				RB1#7	3.67	13	PASS
				RB1#14	3.87	13	PASS
				RB8#0	5.26	13	PASS
				RB8#4	5.14	13	PASS
				RB8#7	5.19	13	PASS
				RB15#0	5.88	13	PASS
		5	LCH	RB1#0	4.71	13	PASS
				RB1#13	4.75	13	PASS
				RB1#24	4.91	13	PASS
				RB12#0	5.79	13	PASS
				RB12#6	5.73	13	PASS
				RB12#13	5.93	13	PASS
				RB25#0	6.36	13	PASS
			MCH	RB1#0	4.68	13	PASS
				RB1#13	4.51	13	PASS
				RB1#24	4.68	13	PASS
				RB12#0	5.88	13	PASS
				RB12#6	5.69	13	PASS
				RB12#13	5.85	13	PASS
				RB25#0	6.38	13	PASS
			HCH	RB1#0	4.22	13	PASS
				RB1#13	3.81	13	PASS
				RB1#24	3.81	13	PASS
				RB12#0	5.21	13	PASS
				RB12#6	4.97	13	PASS
				RB12#13	5.19	13	PASS
				RB25#0	5.9	13	PASS
		10	LCH	RB1#0	4.72	13	PASS
				RB1#25	4.65	13	PASS
				RB1#49	4.94	13	PASS
				RB25#0	5.94	13	PASS
				RB25#13	5.85	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	6.02	13	PASS
				RB50#0	6.52	13	PASS
			MCH	RB1#0	4.87	13	PASS
				RB1#25	4.75	13	PASS
				RB1#49	4.87	13	PASS
				RB25#0	6.15	13	PASS
				RB25#13	6	13	PASS
				RB25#25	6	13	PASS
				RB50#0	6.55	13	PASS
			HCH	RB1#0	4.28	13	PASS
				RB1#25	3.85	13	PASS
				RB1#49	3.81	13	PASS
				RB25#0	5.59	13	PASS
				RB25#13	5.34	13	PASS
				RB25#25	5.48	13	PASS
				RB50#0	6.14	13	PASS
		15	LCH	RB1#0	4.83	13	PASS
				RB1#38	4.76	13	PASS
				RB1#74	4.86	13	PASS
				RB38#0	6.04	13	PASS
				RB38#19	5.99	13	PASS
				RB38#39	6.16	13	PASS
				RB75#0	6.68	13	PASS
			MCH	RB1#0	5.12	13	PASS
				RB1#38	4.73	13	PASS
				RB1#74	4.8	13	PASS
				RB38#0	6.13	13	PASS
				RB38#19	6.01	13	PASS
				RB38#39	5.97	13	PASS
				RB75#0	6.61	13	PASS
			HCH	RB1#0	4.64	13	PASS
				RB1#38	4.09	13	PASS
				RB1#74	4.16	13	PASS
				RB38#0	5.75	13	PASS
				RB38#19	5.49	13	PASS
				RB38#39	5.57	13	PASS
				RB75#0	6.42	13	PASS
		20	LCH	RB1#0	4.87	13	PASS
				RB1#50	4.62	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	4.91	13	PASS
				RB50#0	6.25	13	PASS
				RB50#25	6.2	13	PASS
				RB50#50	6.38	13	PASS
				RB100#0	6.69	13	PASS
			MCH	RB1#0	4.95	13	PASS
				RB1#50	4.42	13	PASS
				RB1#99	4.5	13	PASS
				RB50#0	6.29	13	PASS
				RB50#25	6.05	13	PASS
				RB50#50	6.01	13	PASS
				RB100#0	6.61	13	PASS
			HCH	RB1#0	4.74	13	PASS
				RB1#50	4.3	13	PASS
				RB1#99	4.21	13	PASS
				RB50#0	5.91	13	PASS
				RB50#25	5.68	13	PASS
				RB50#50	5.69	13	PASS
				RB100#0	6.49	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

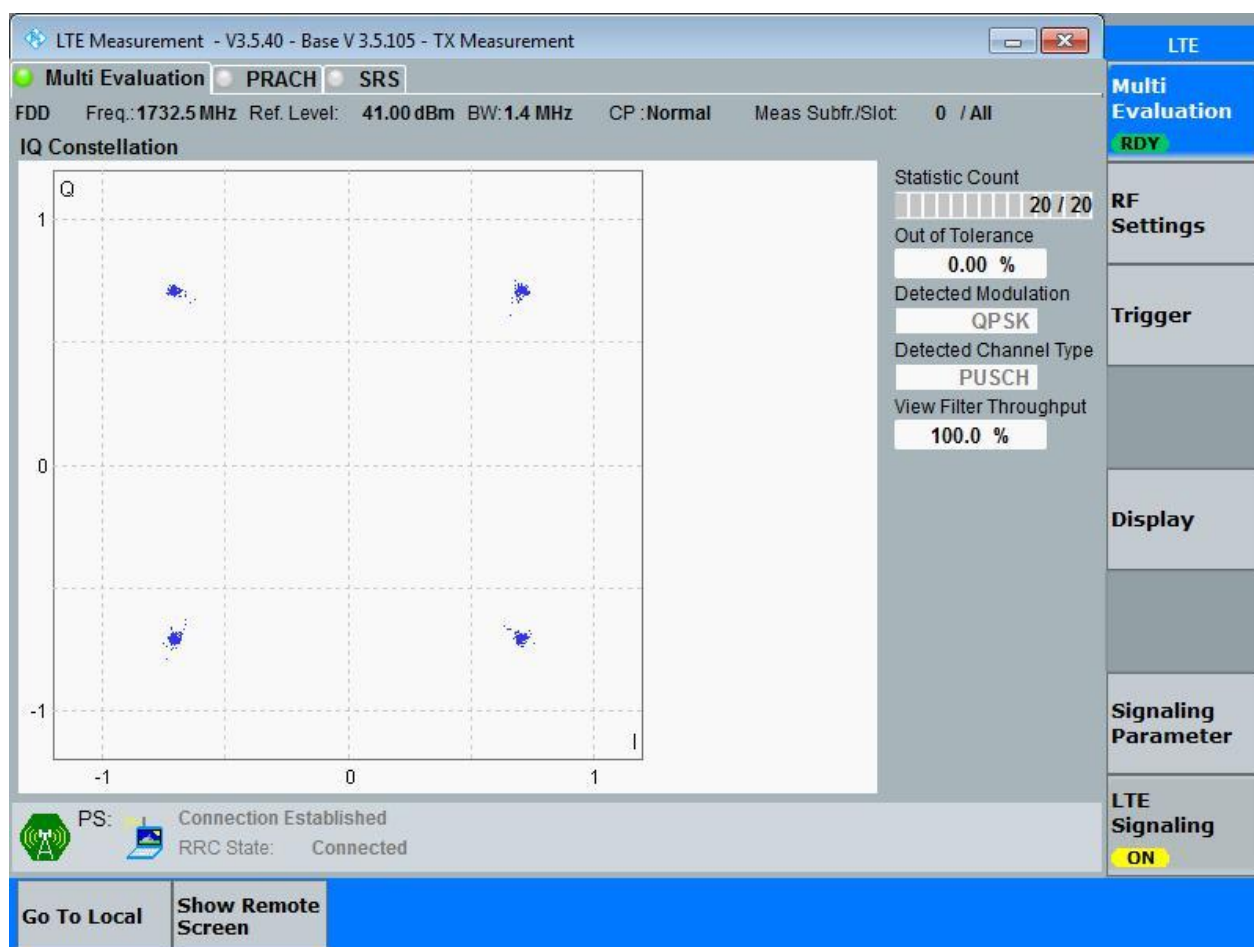
3.1.1 Test Band = BAND4

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

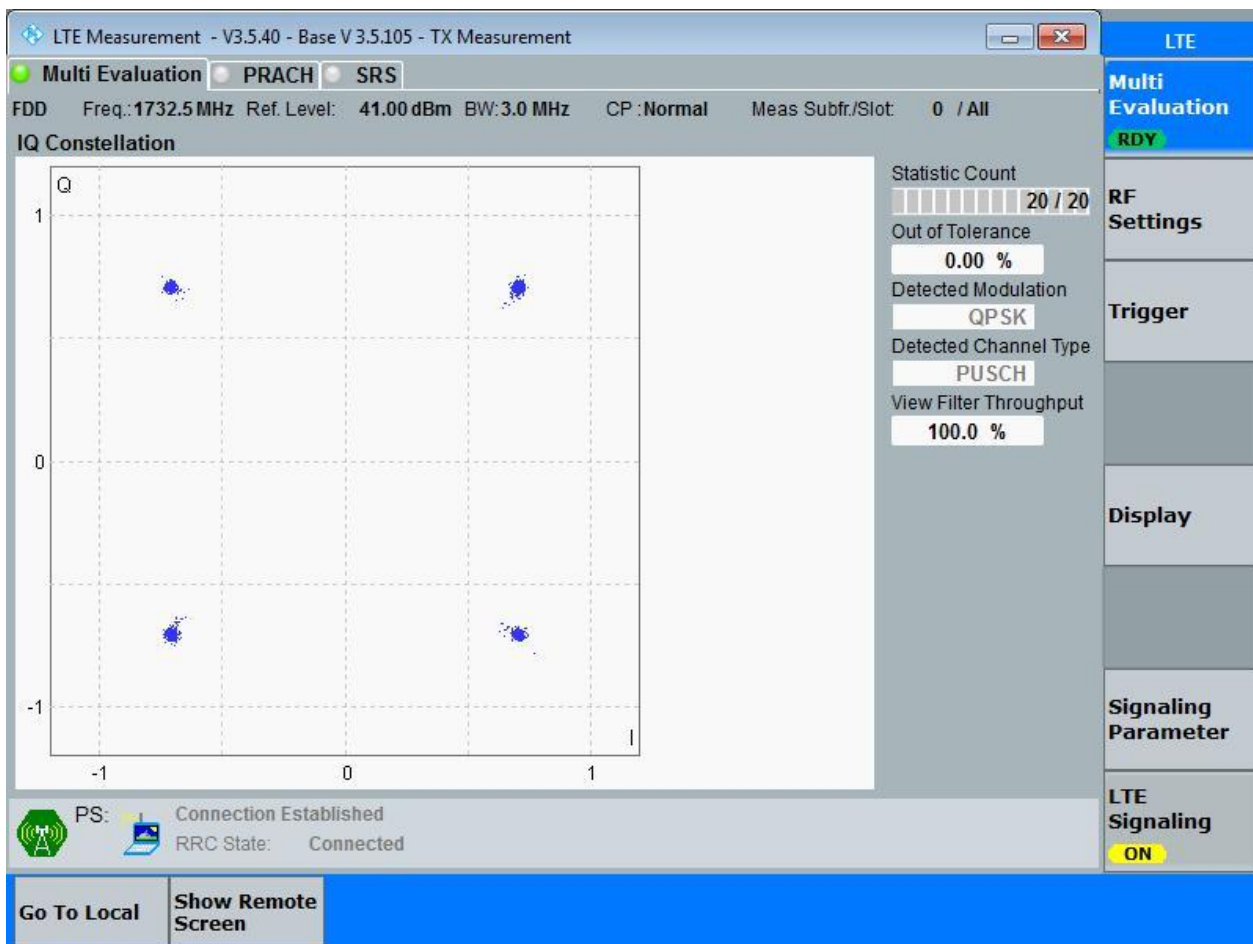
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

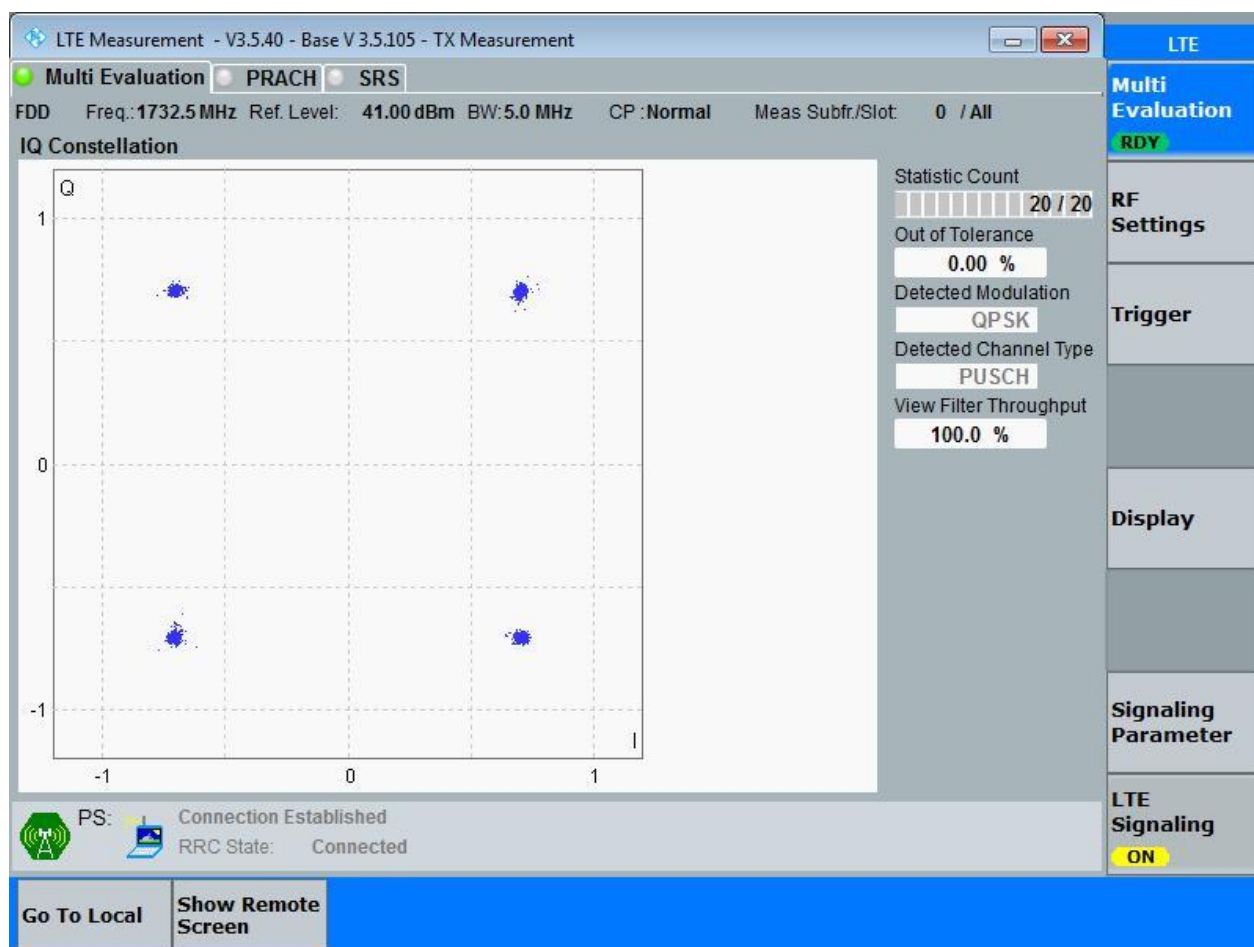
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

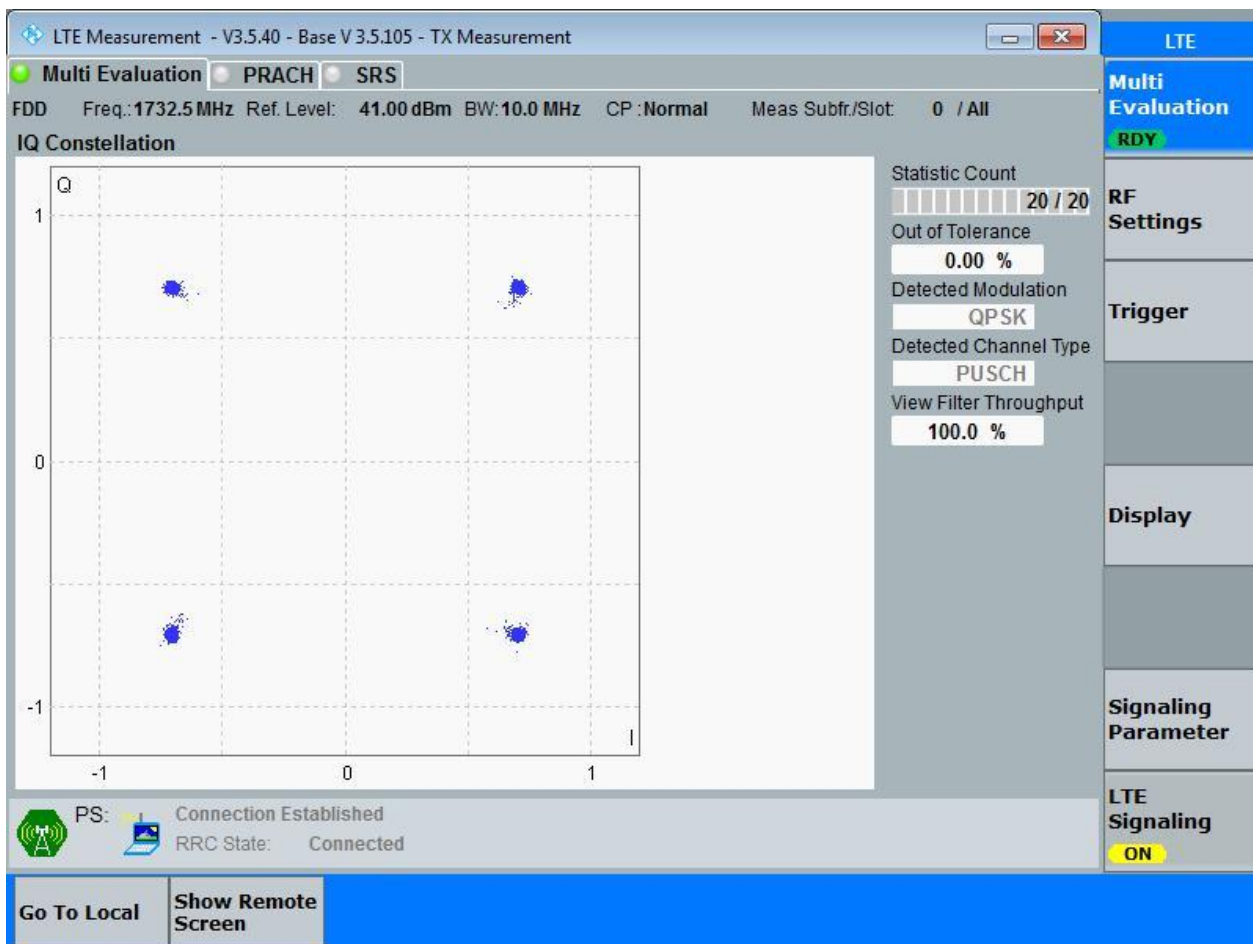
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

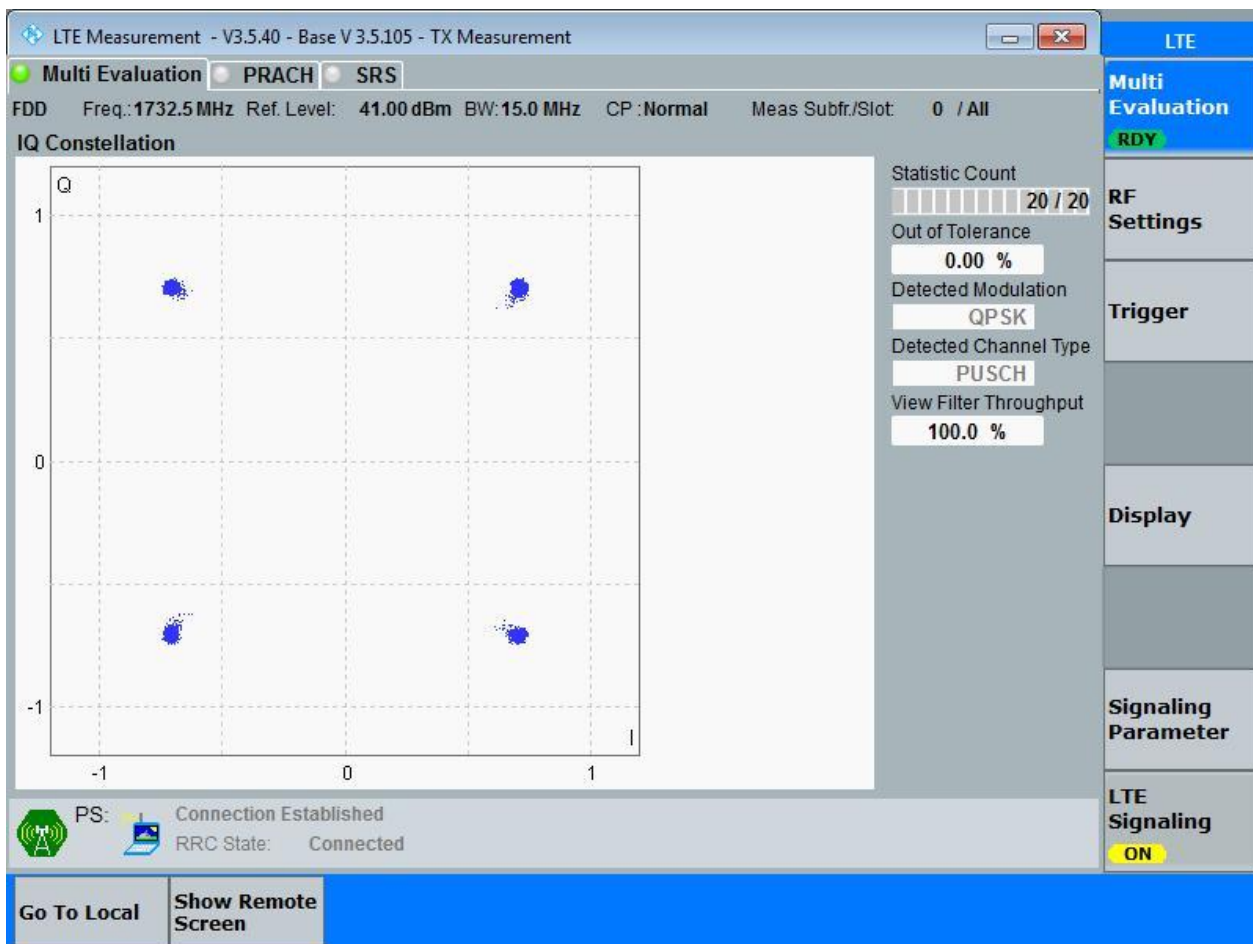
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

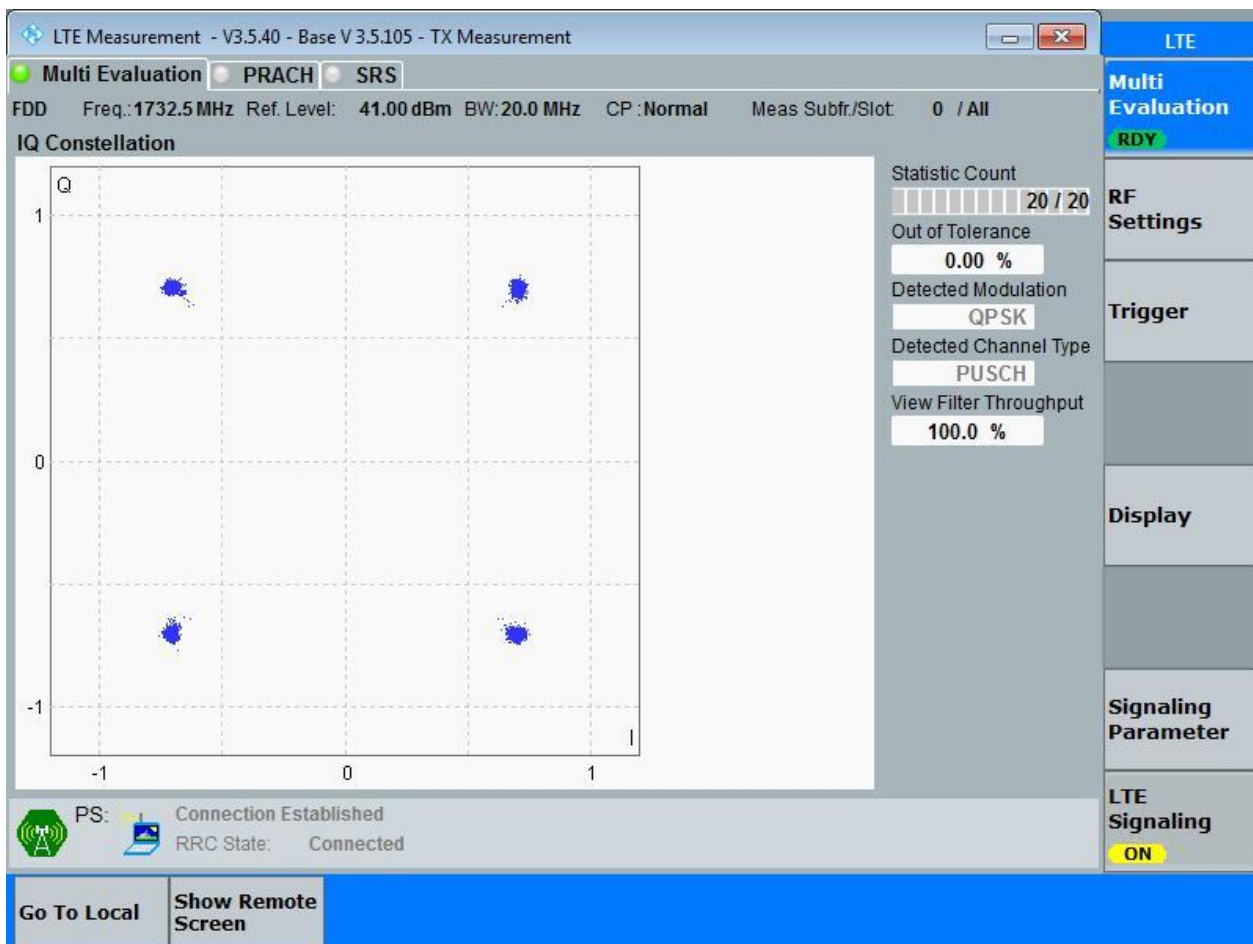
3.1.1.1.5.1.1 Test RB = RB75#0



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

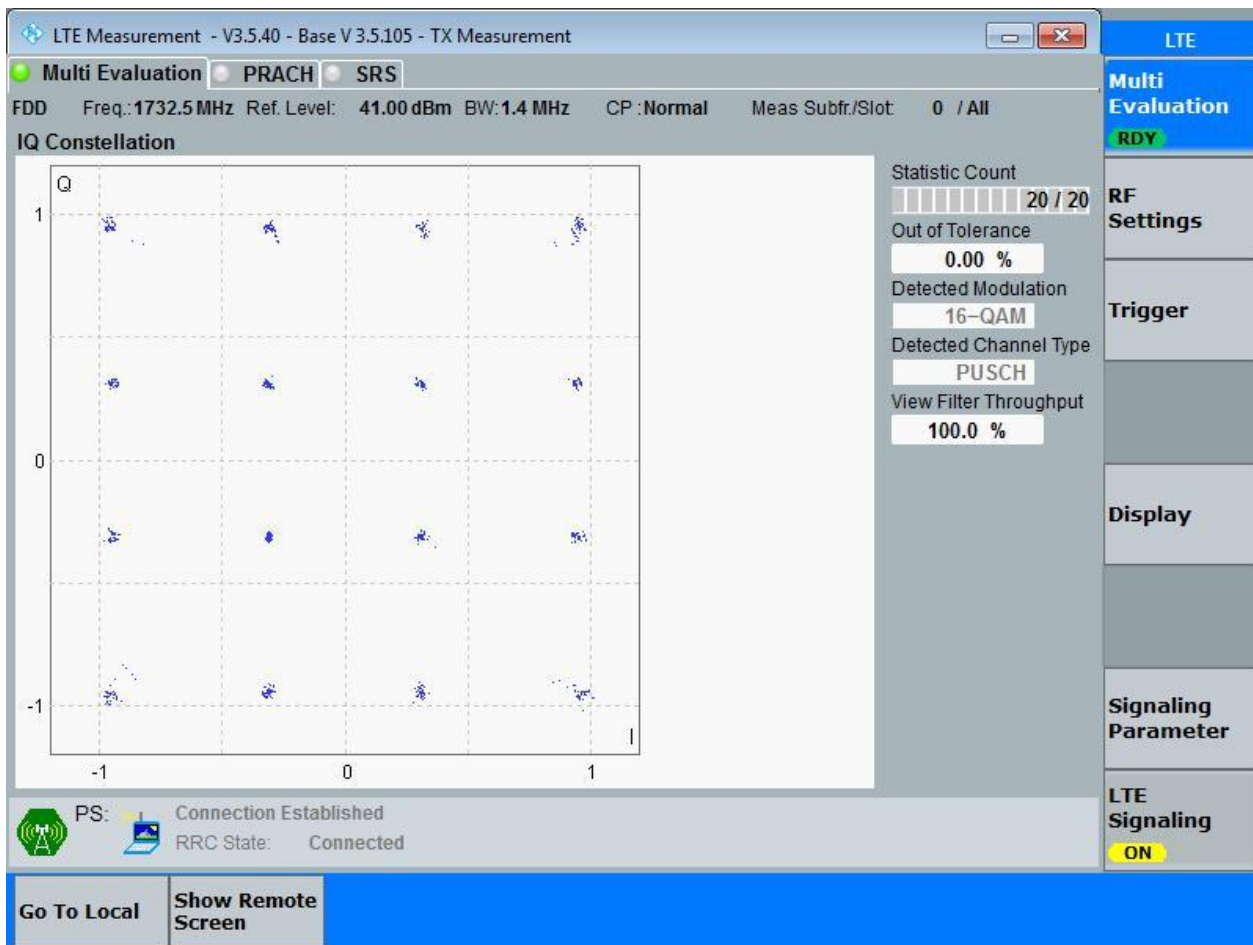


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

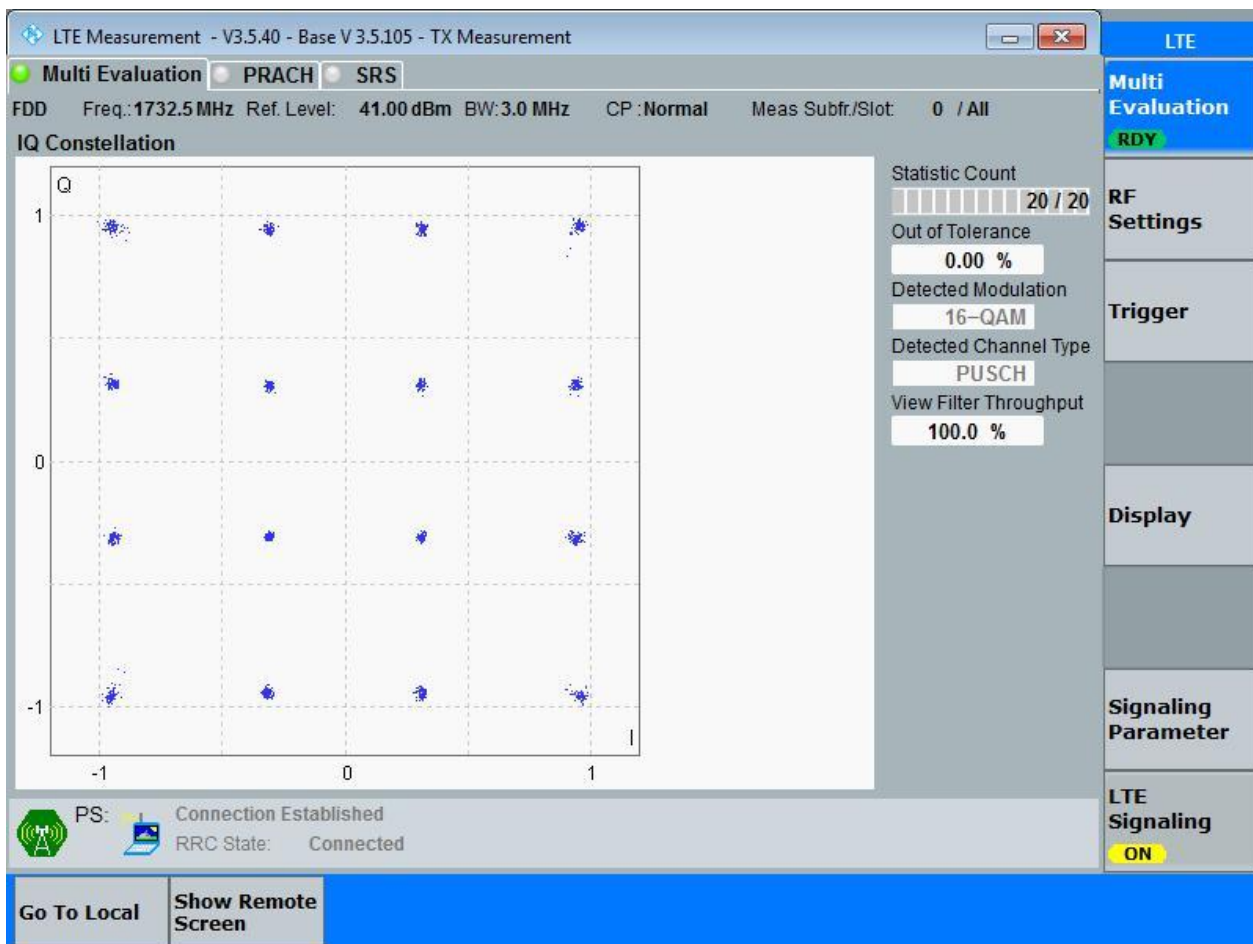
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

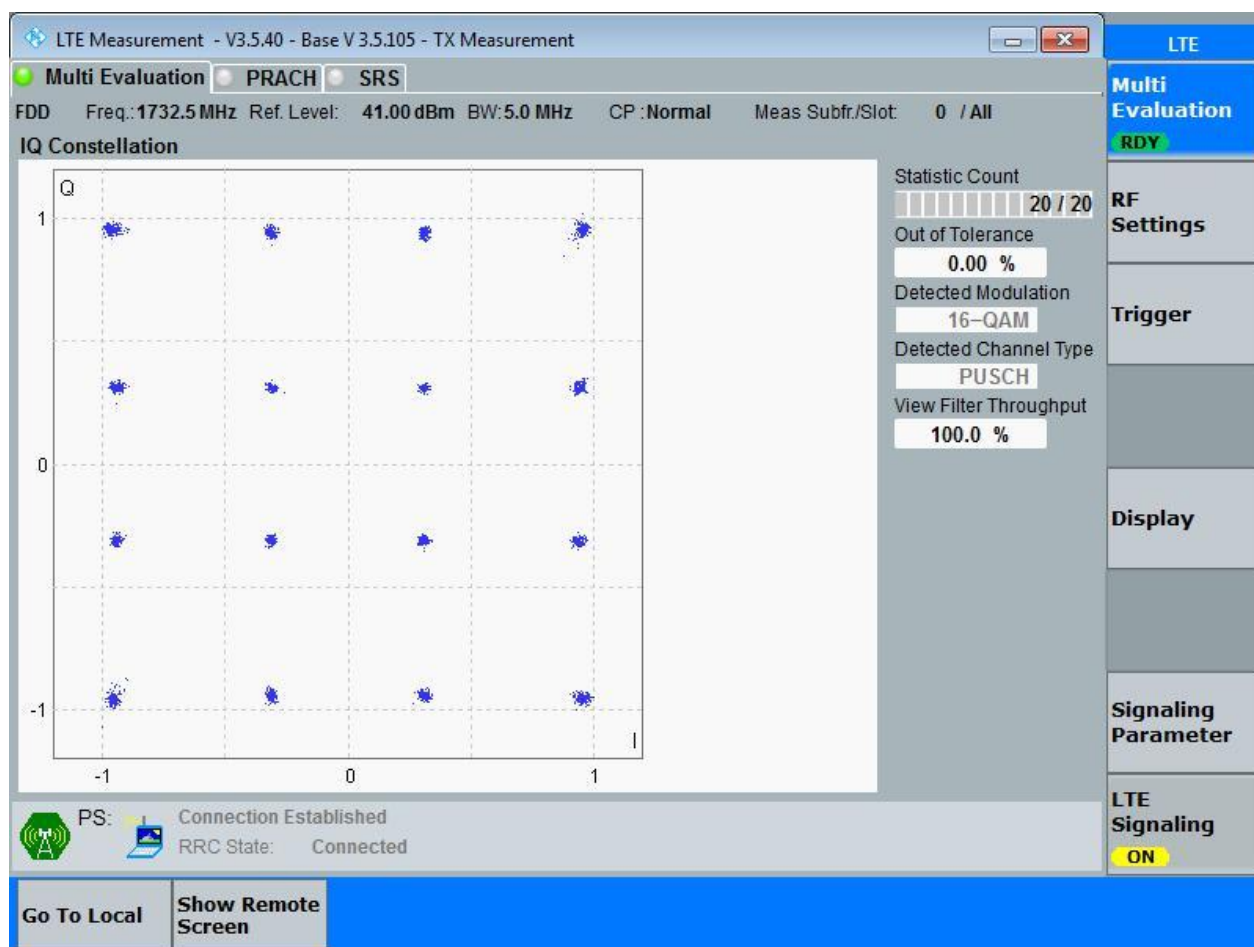
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

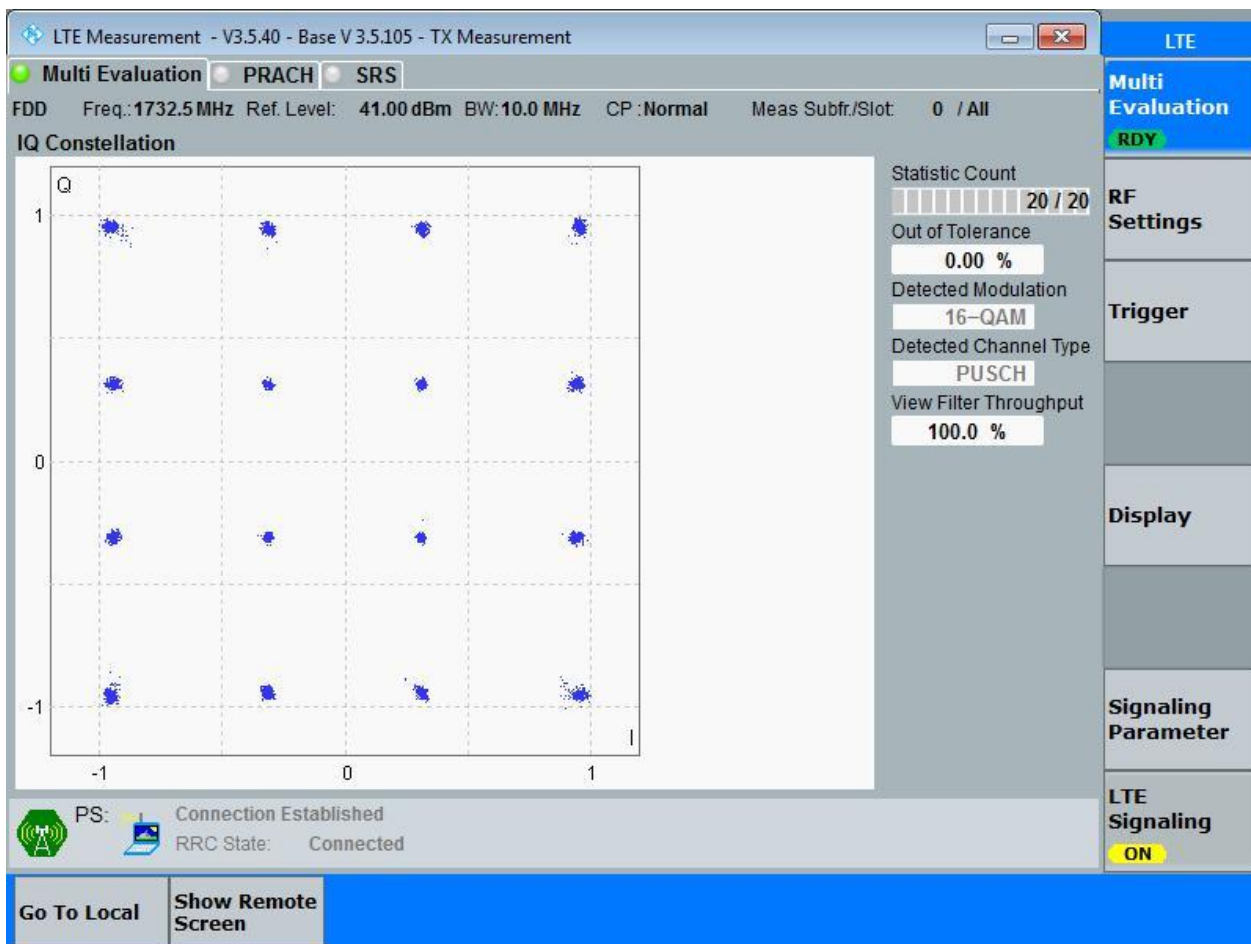
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

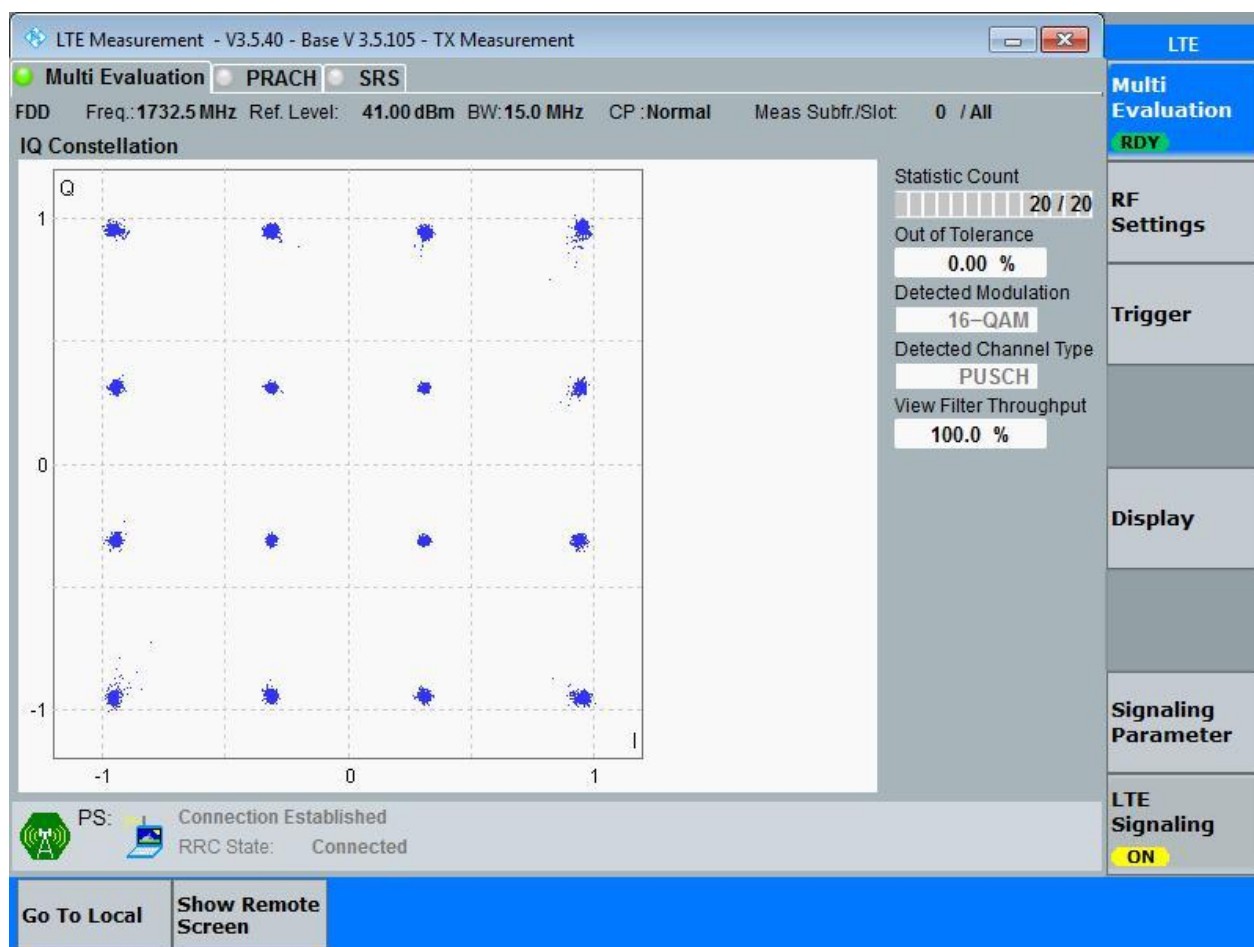
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

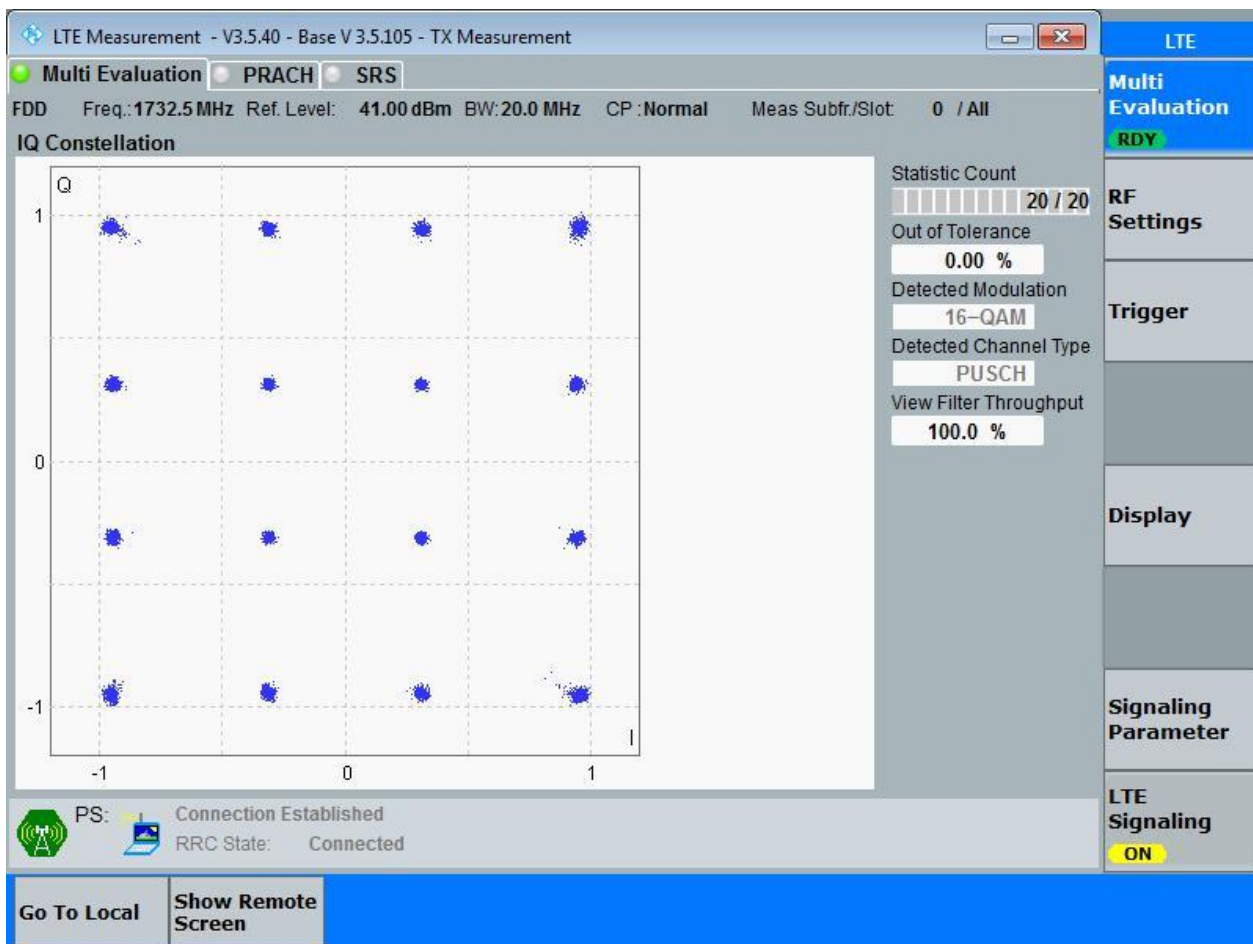
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.22	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.25	Pass
		3	LCH	RB15#0	2.71	2.94	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.51	4.95	Pass
			MCH	RB25#0	4.52	4.94	Pass
			HCH	RB25#0	4.52	4.97	Pass
		10	LCH	RB50#0	8.99	9.87	Pass
			MCH	RB50#0	8.99	9.92	Pass
			HCH	RB50#0	9.01	9.93	Pass
		15	LCH	RB75#0	13.51	15.05	Pass
			MCH	RB75#0	13.48	14.96	Pass
			HCH	RB75#0	13.50	14.99	Pass
		20	LCH	RB100#0	18.00	19.86	Pass
			MCH	RB100#0	17.98	19.81	Pass
			HCH	RB100#0	18.02	19.77	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.25	Pass
			MCH	RB6#0	1.10	1.25	Pass
			HCH	RB6#0	1.10	1.25	Pass
		3	LCH	RB15#0	2.71	2.97	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.51	4.95	Pass
			MCH	RB25#0	4.52	4.96	Pass
			HCH	RB25#0	4.51	4.98	Pass
		10	LCH	RB50#0	8.98	9.93	Pass
			MCH	RB50#0	9.00	9.95	Pass
			HCH	RB50#0	9.00	9.91	Pass
		15	LCH	RB75#0	13.51	14.98	Pass
			MCH	RB75#0	13.50	14.96	Pass
			HCH	RB75#0	13.48	14.98	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		20	LCH	RB100#0	18.00	19.84	Pass
			MCH	RB100#0	17.98	19.87	Pass
			HCH	RB100#0	18.00	19.81	Pass

Part II - Test Plots

4.1 For LTE

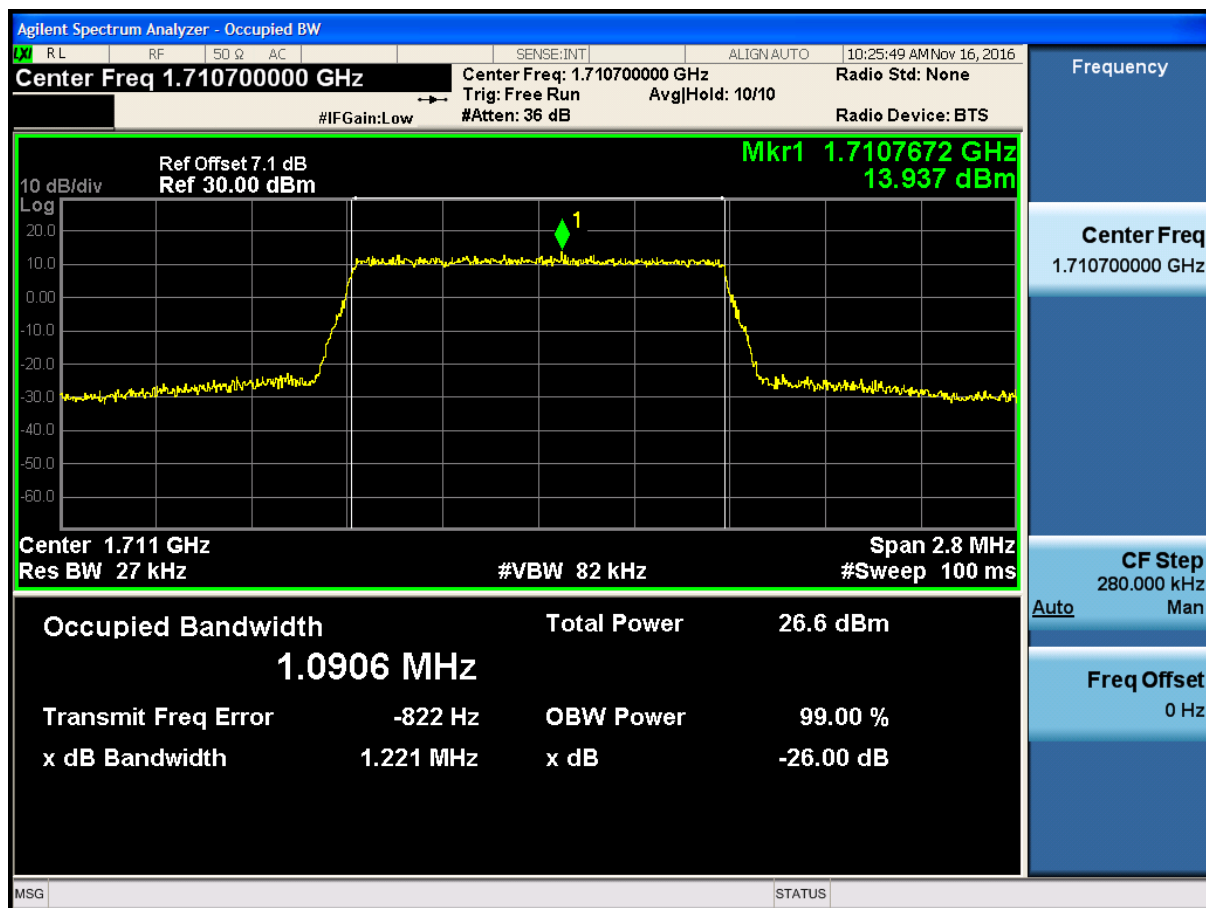
4.1.1 Test Band = BAND4

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

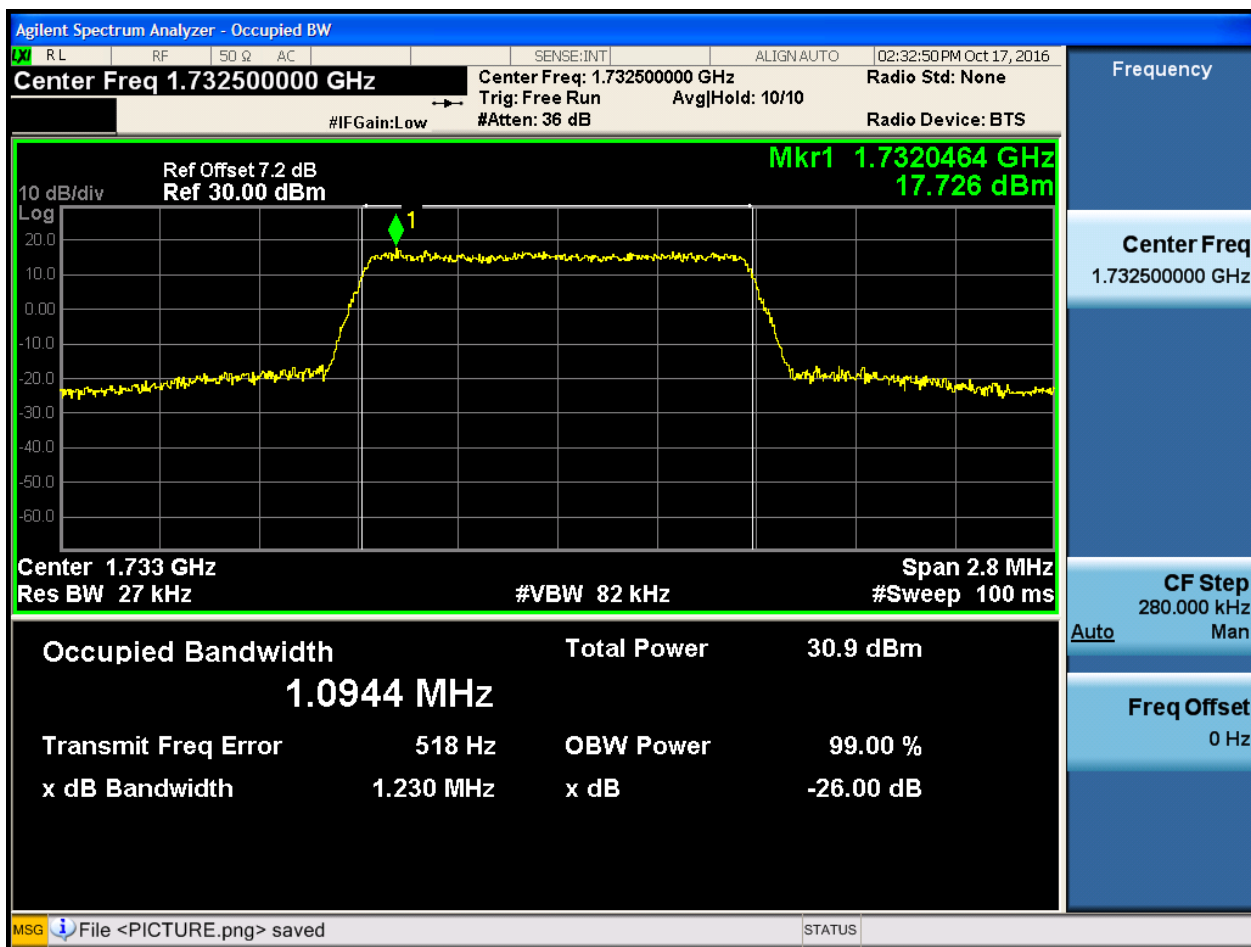
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

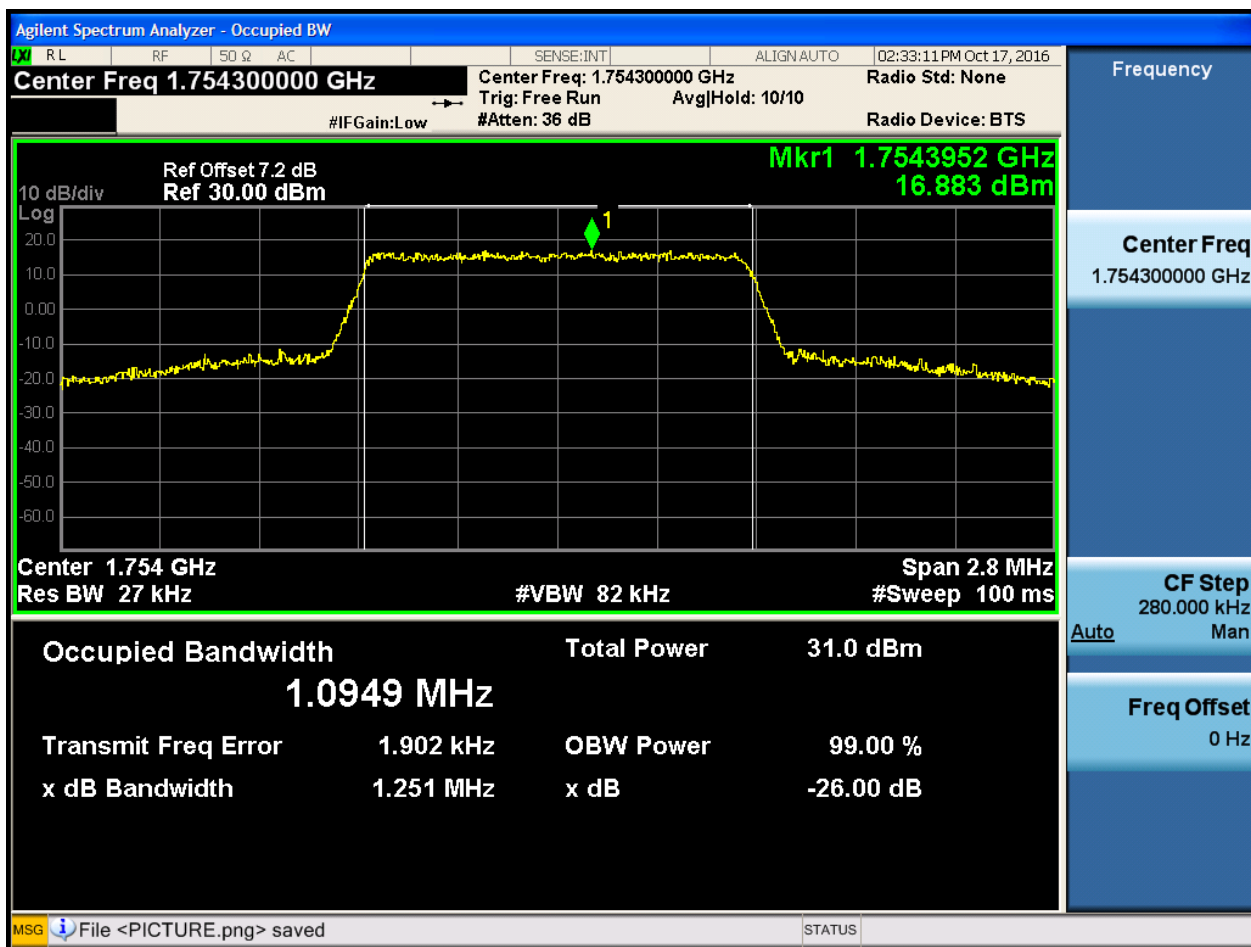
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

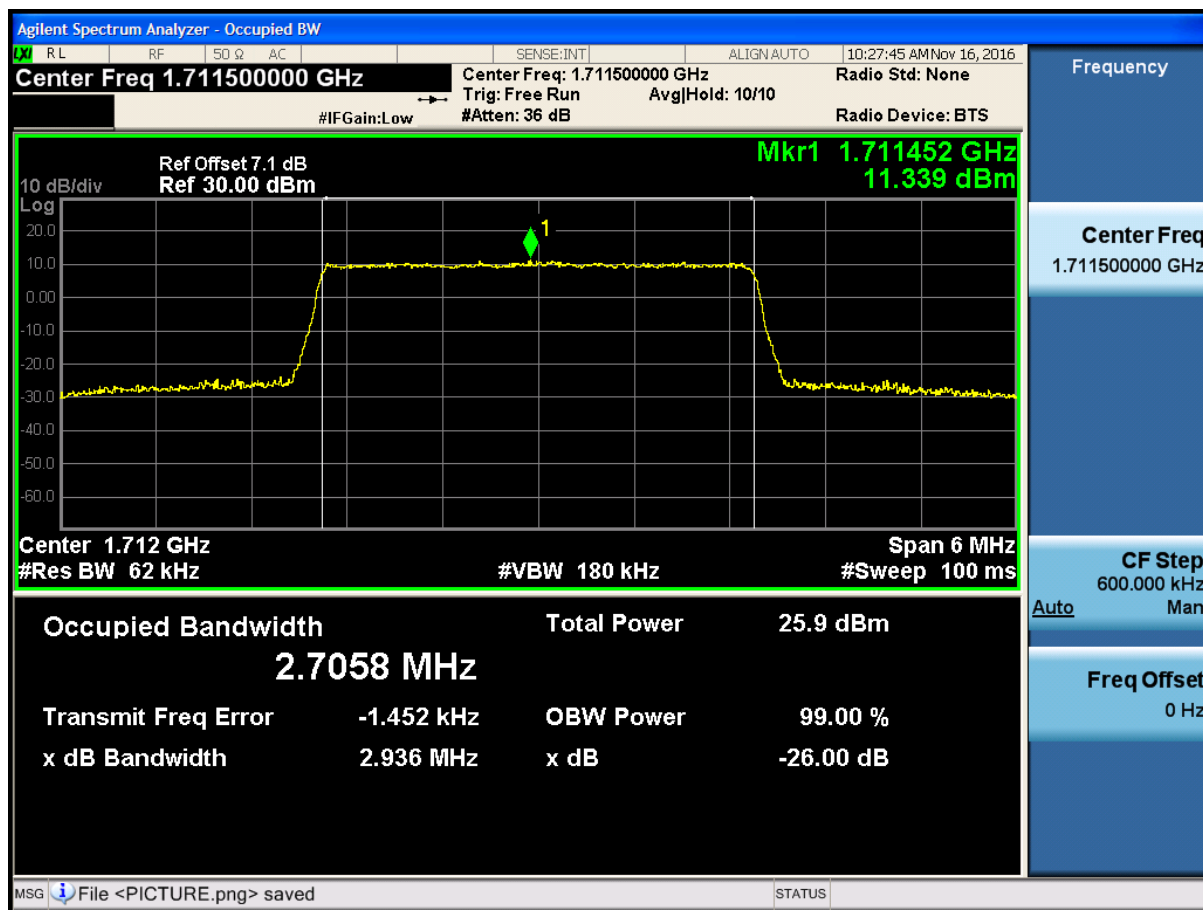
4.1.1.1.1.3.1 Test RB = RB6#0



4.1.1.1.2 Test Bandwidth = 3

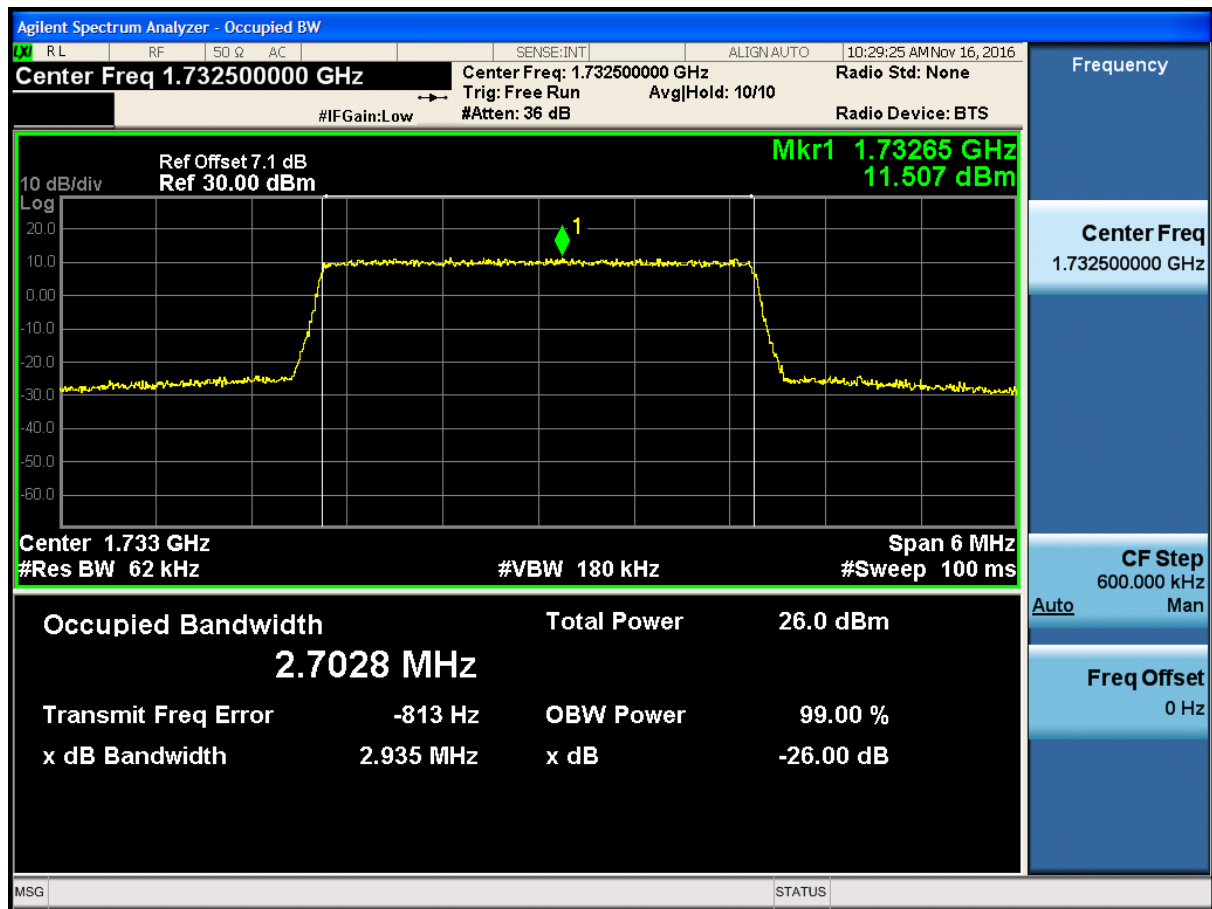
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



4.1.1.1.2.2 Test Channel = MCH

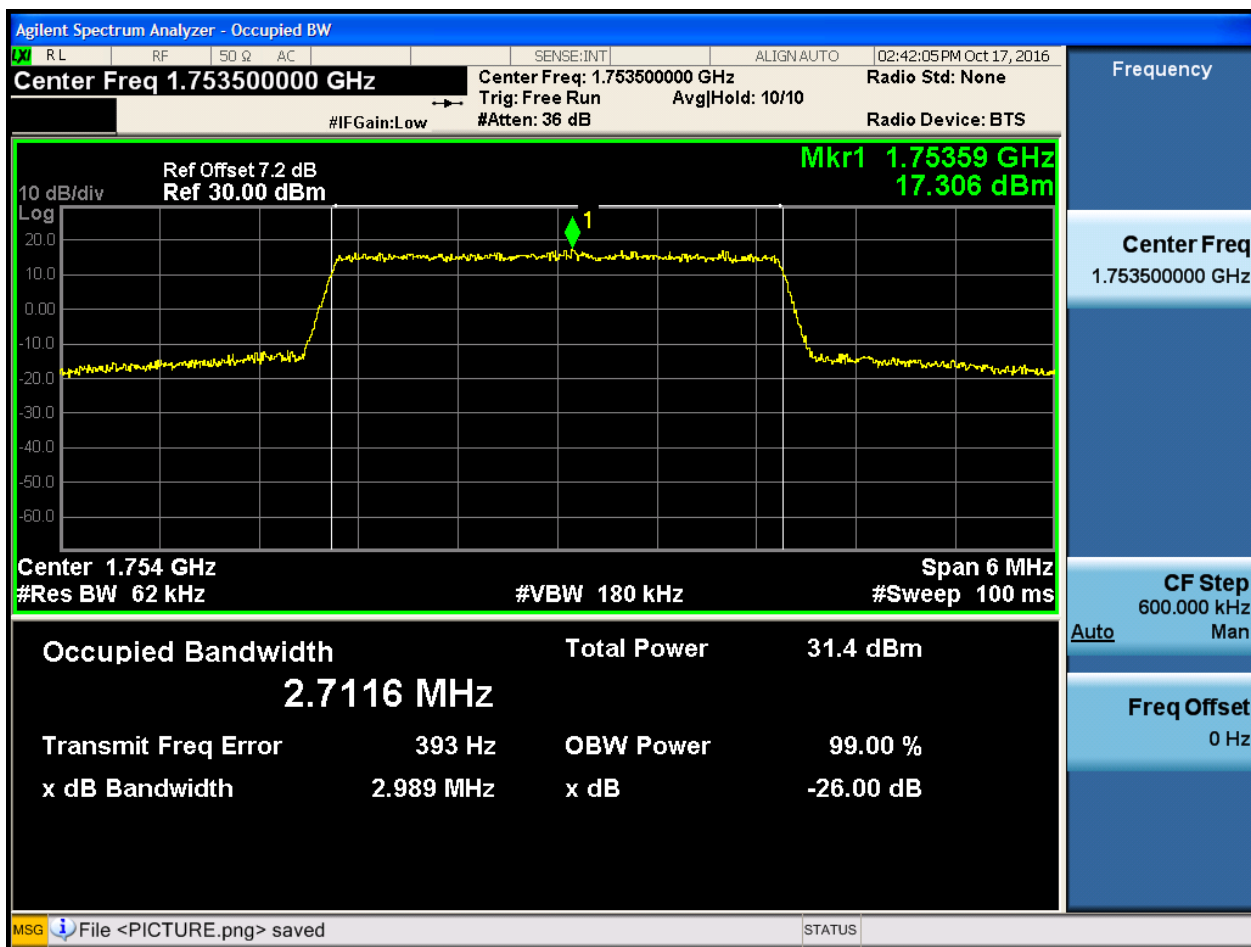
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

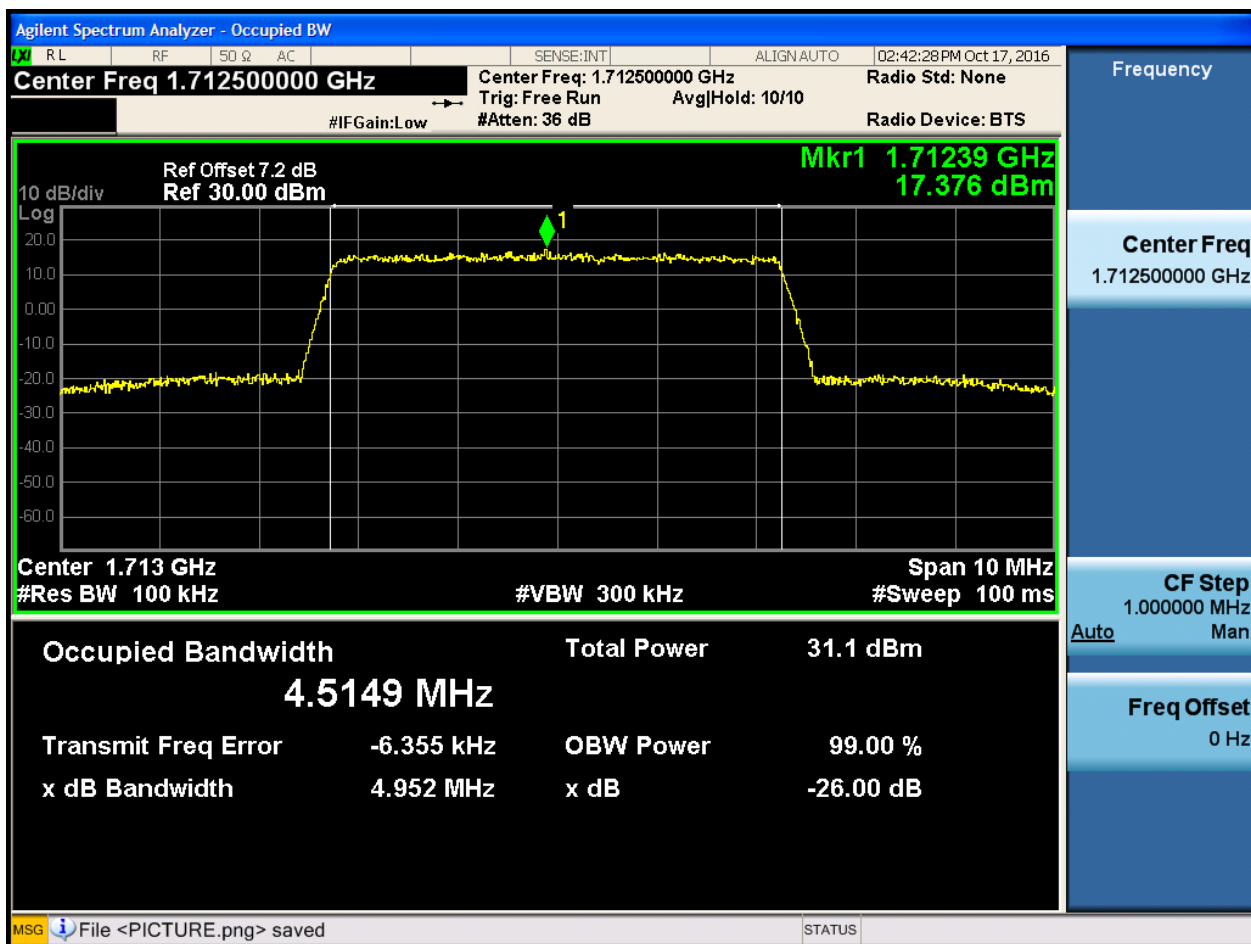




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

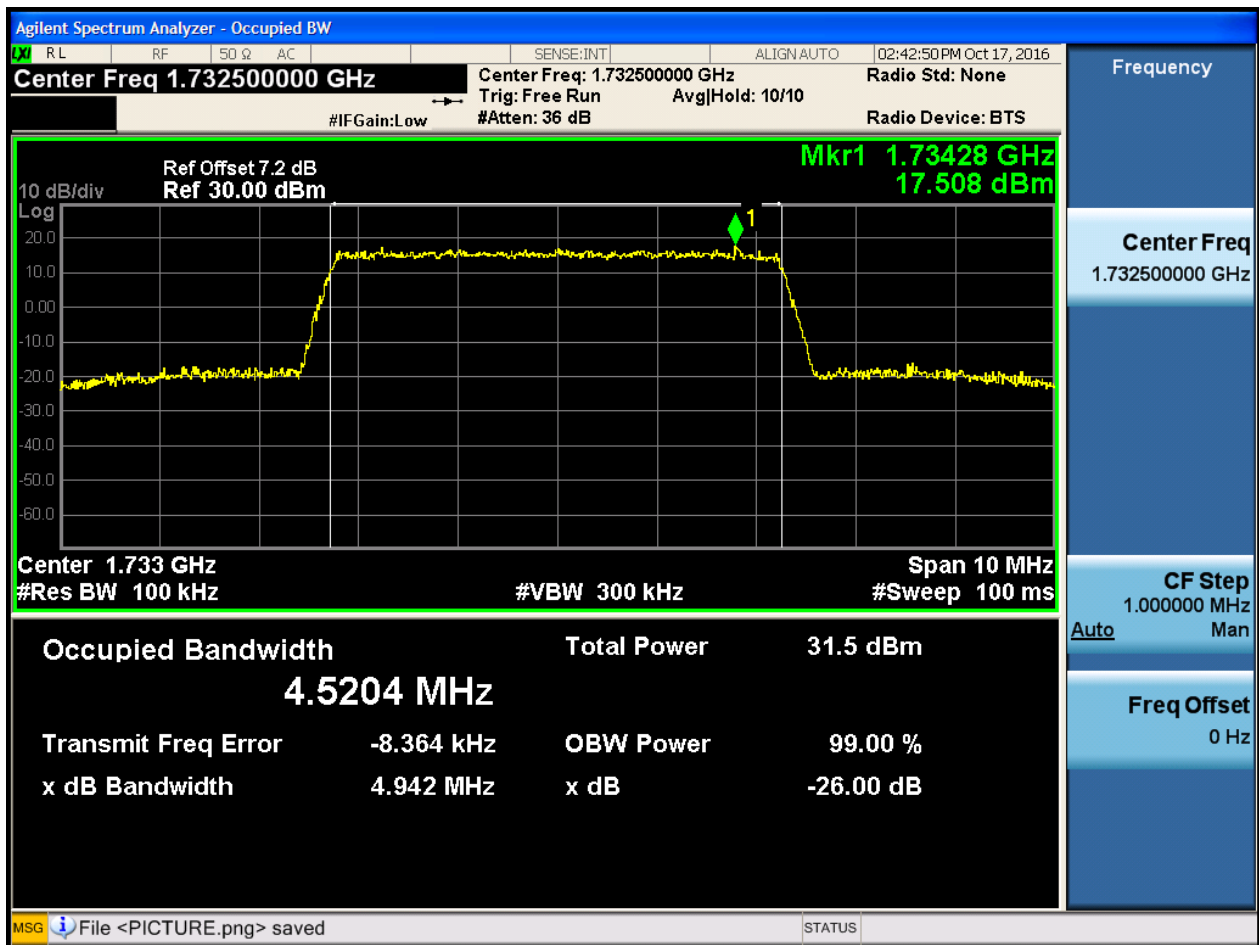
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

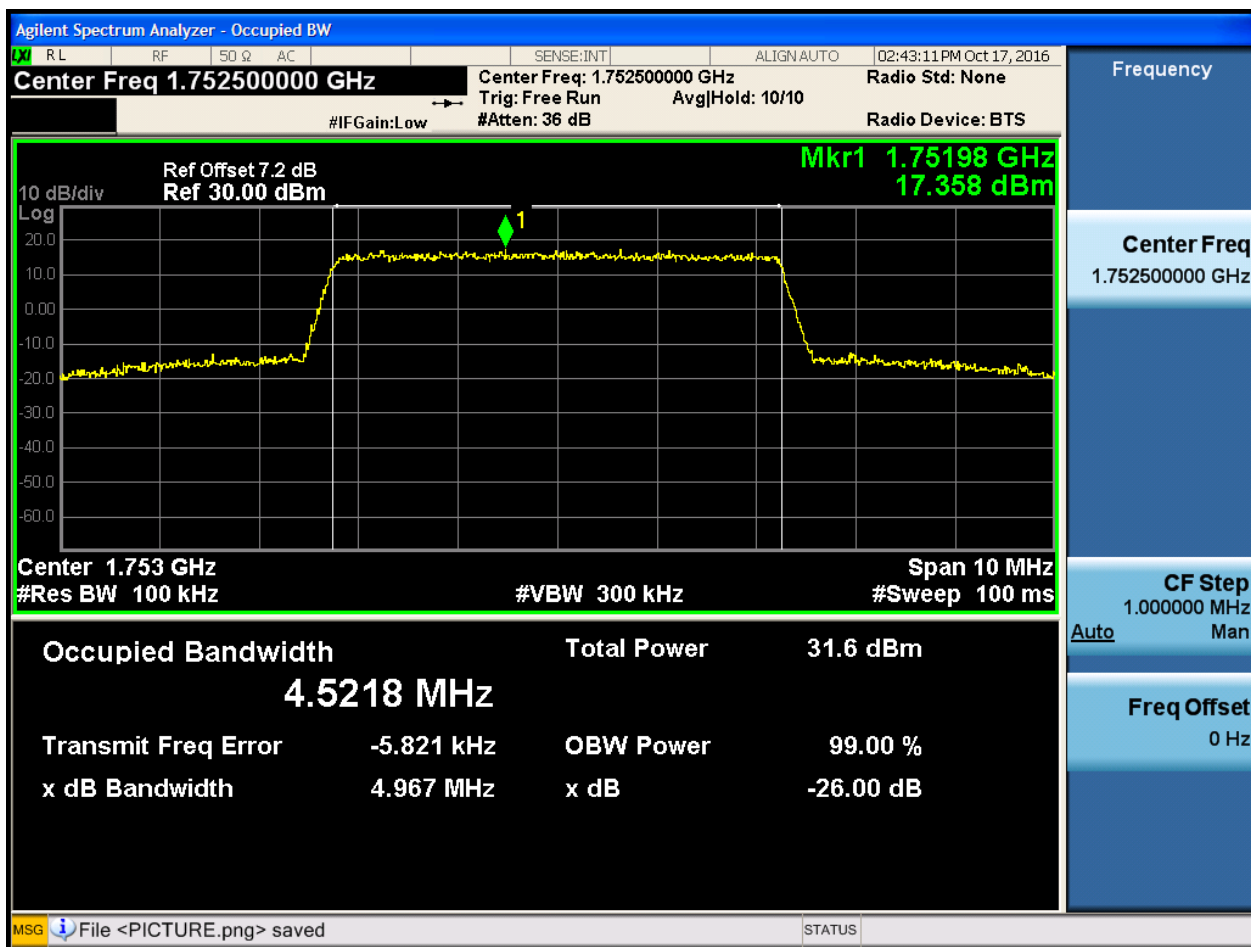
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

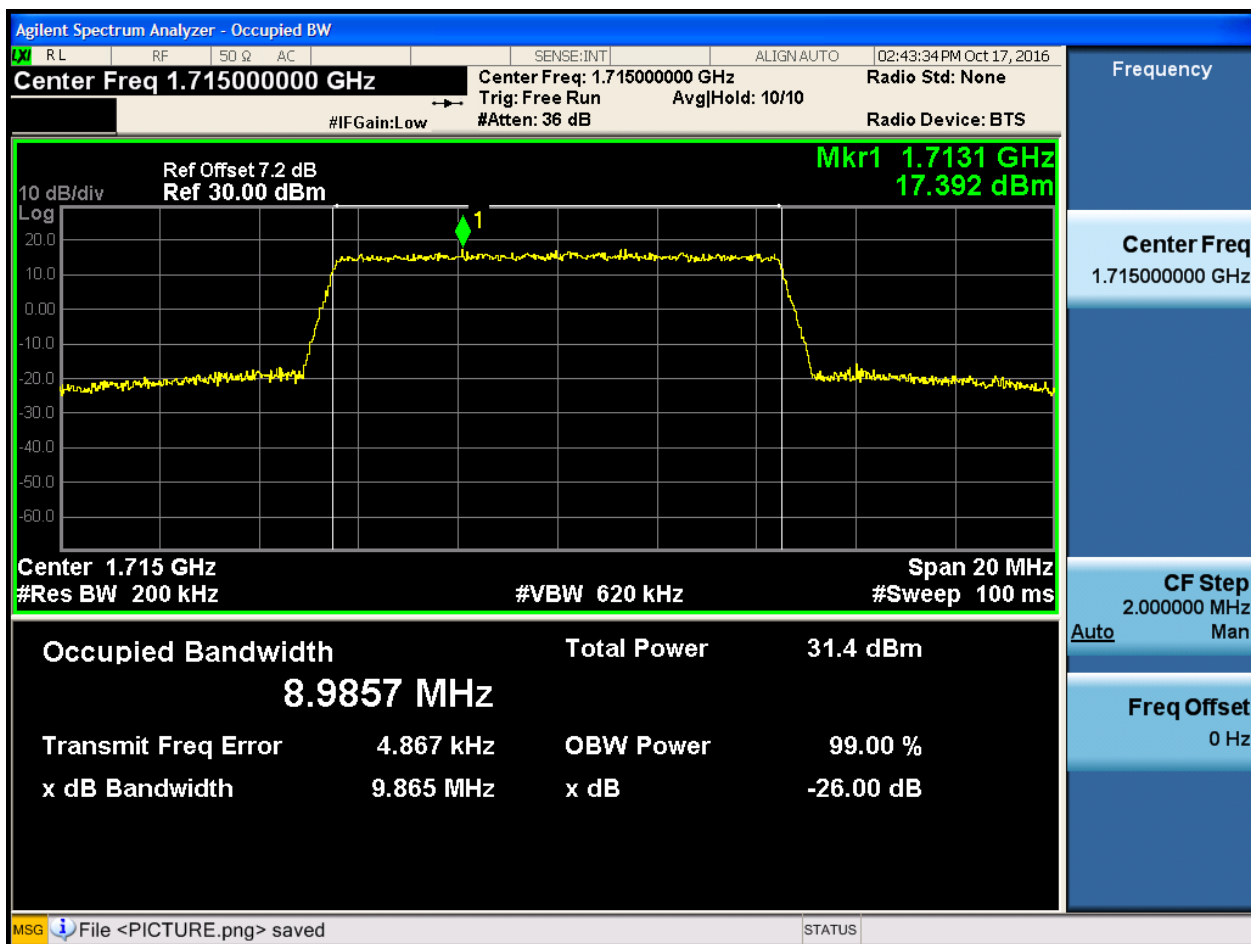




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

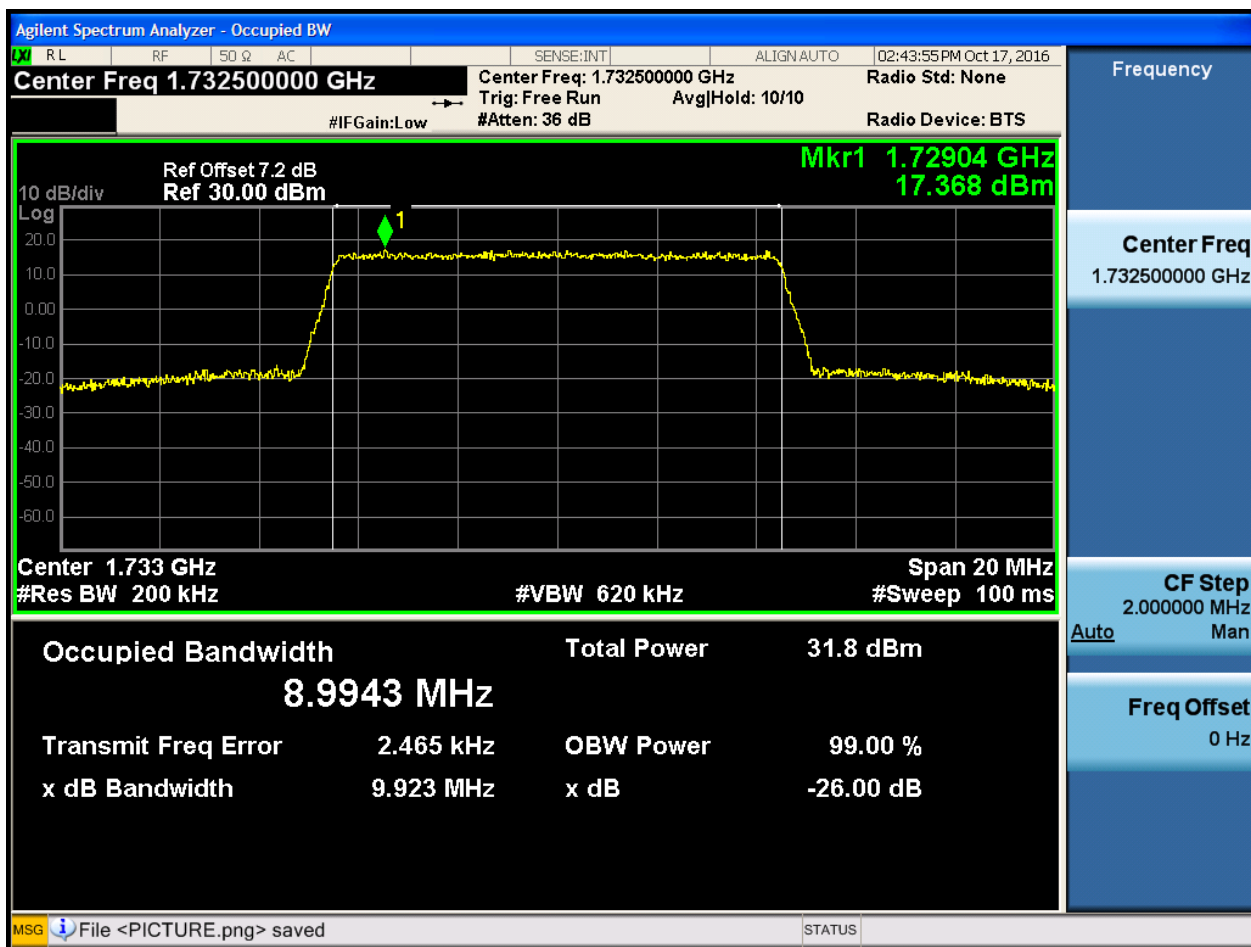
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

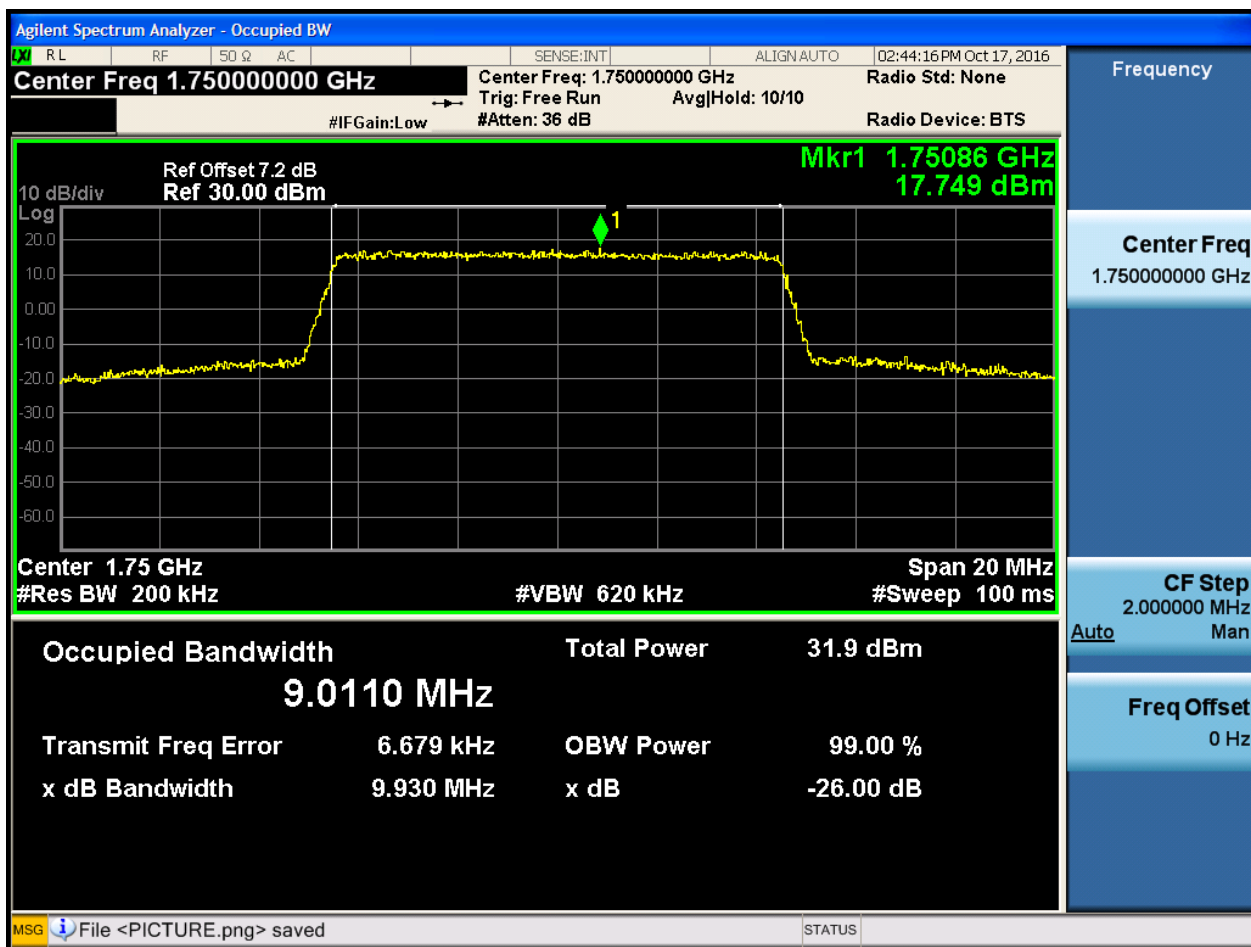
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

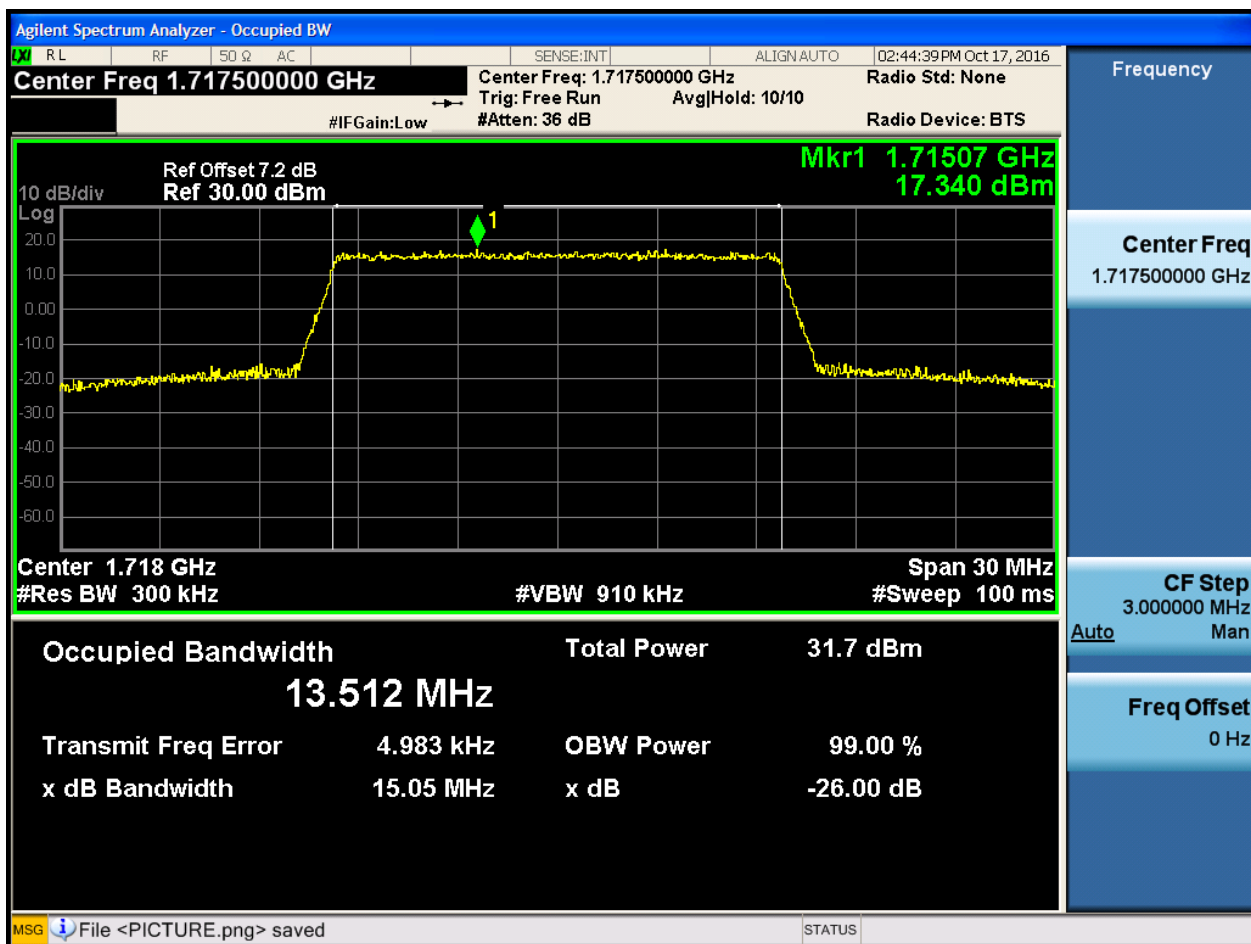




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

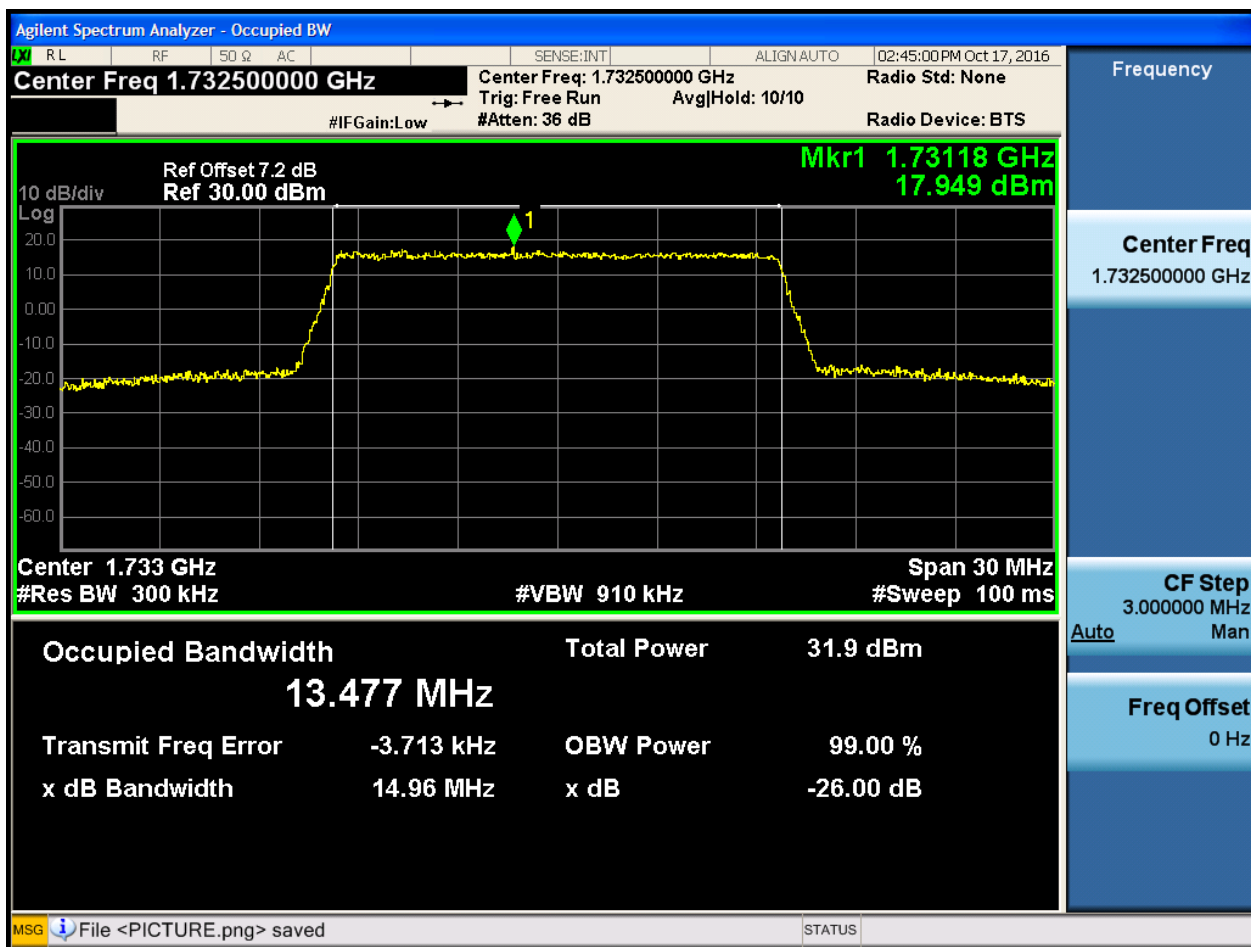
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

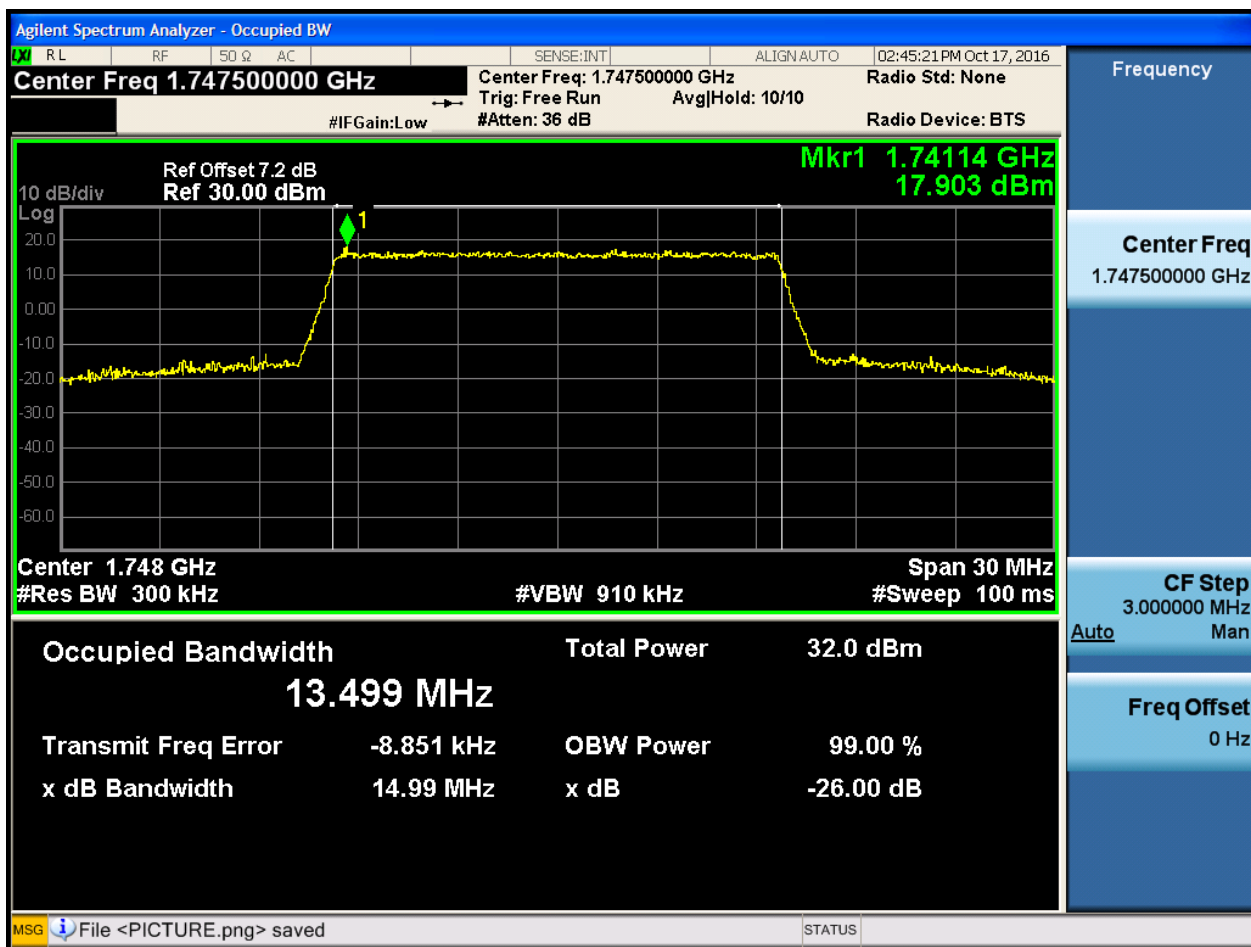
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

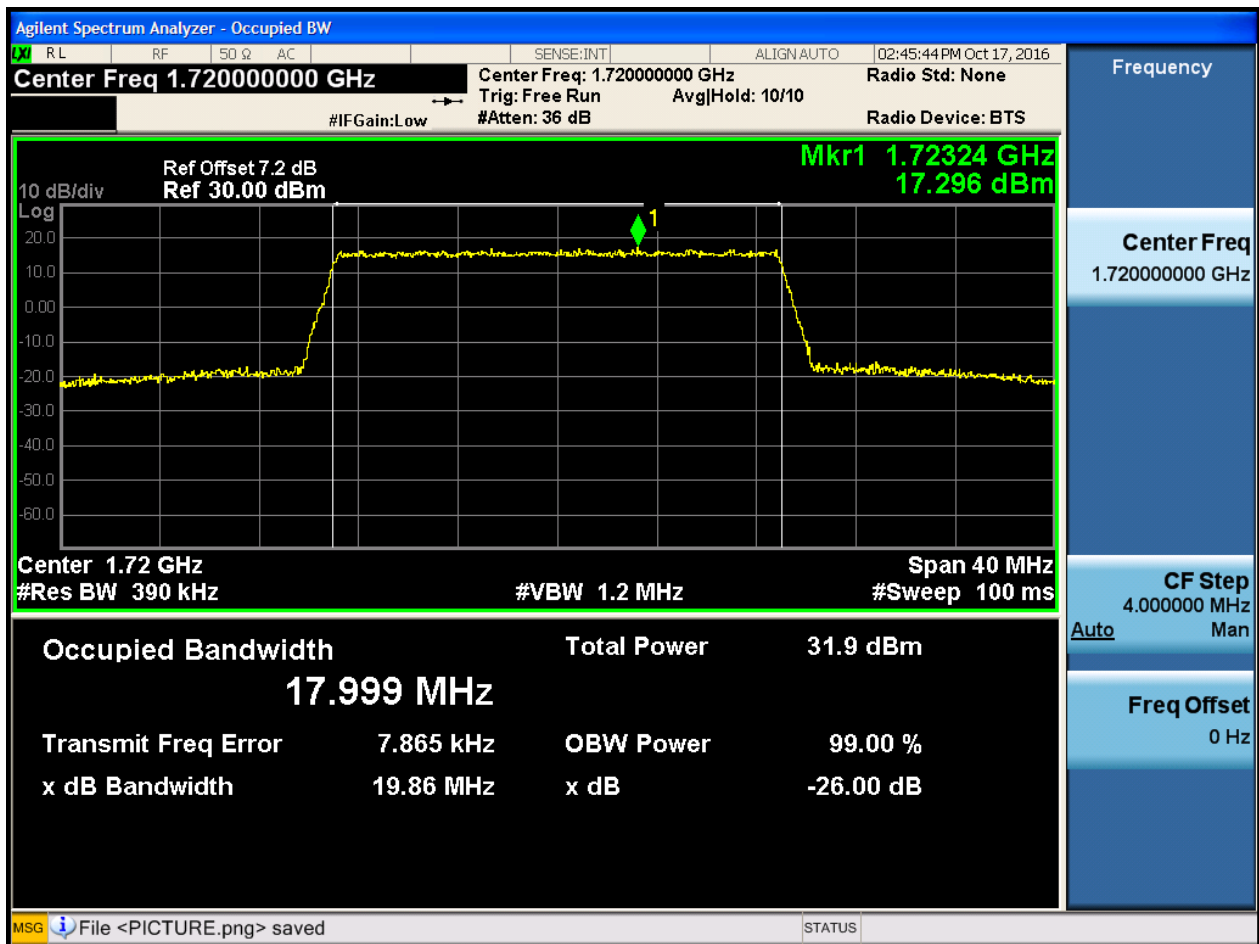




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

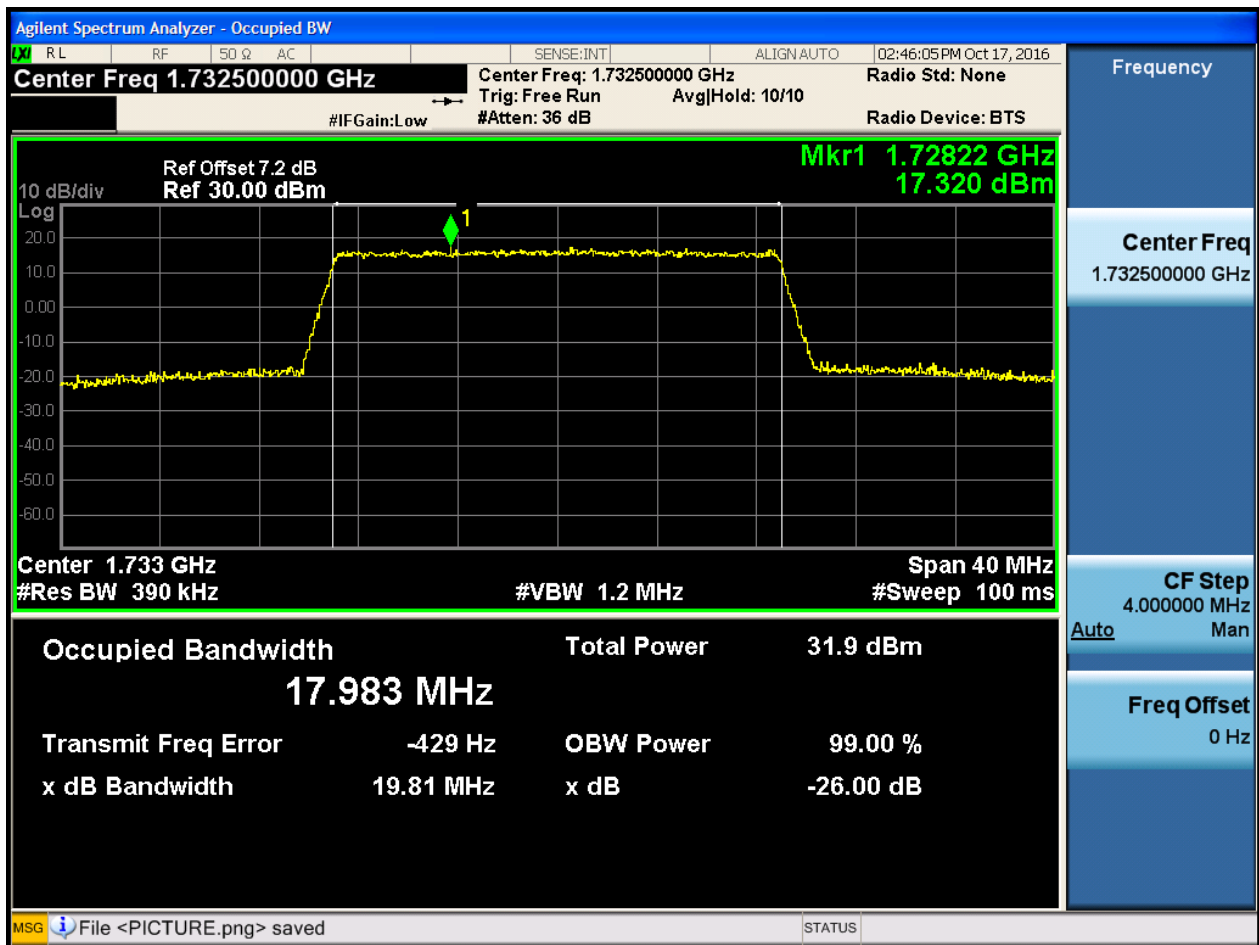
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

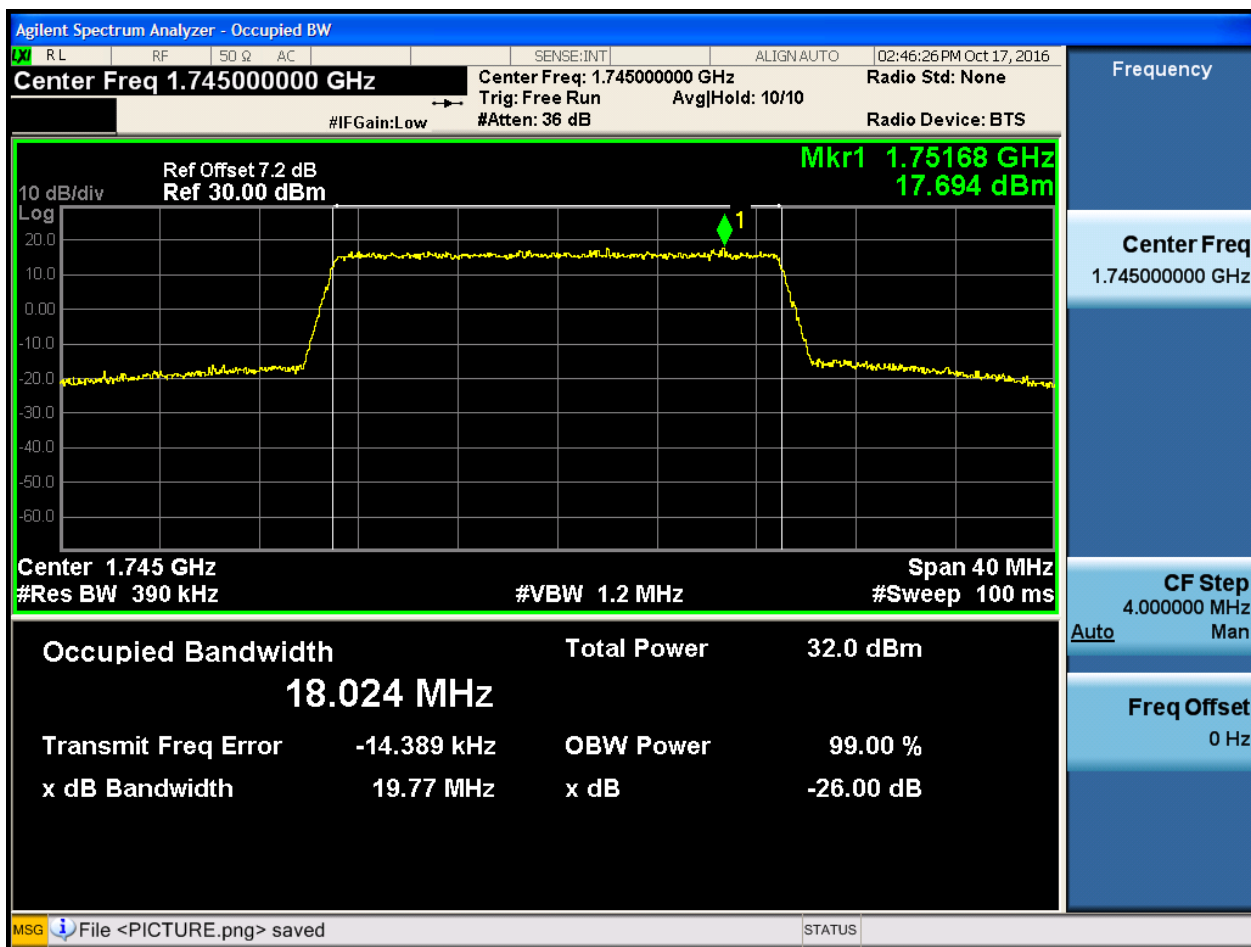
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



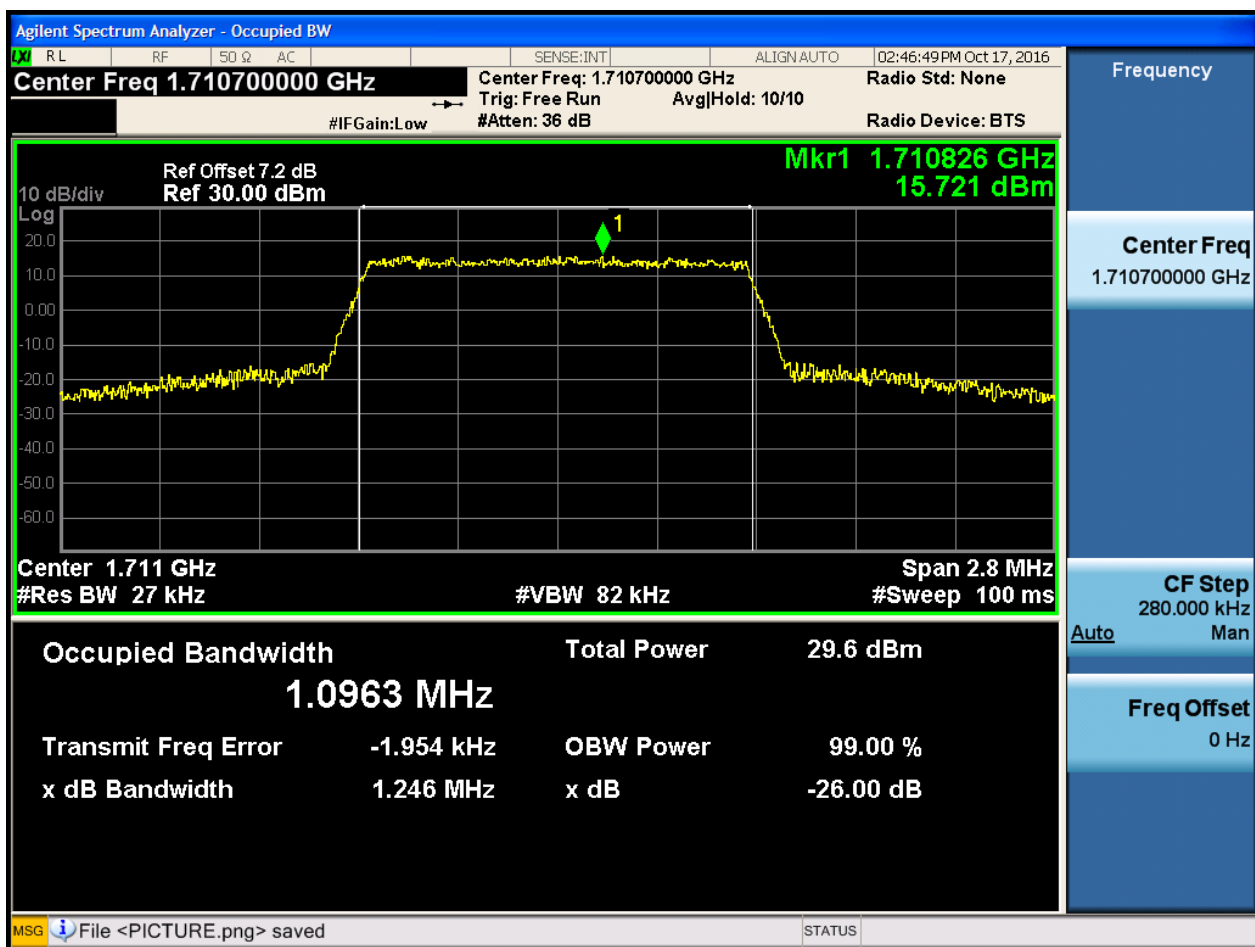


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

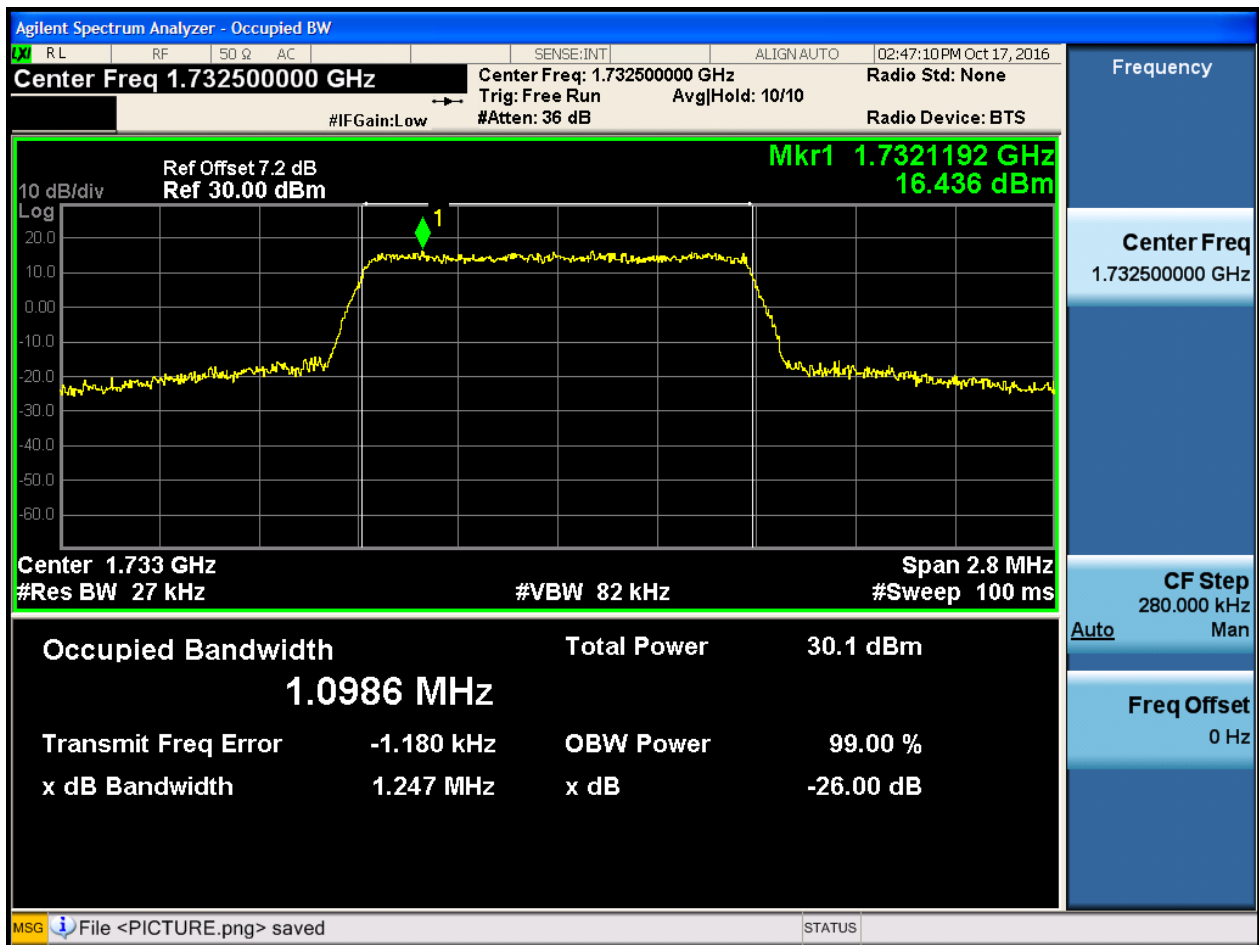
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

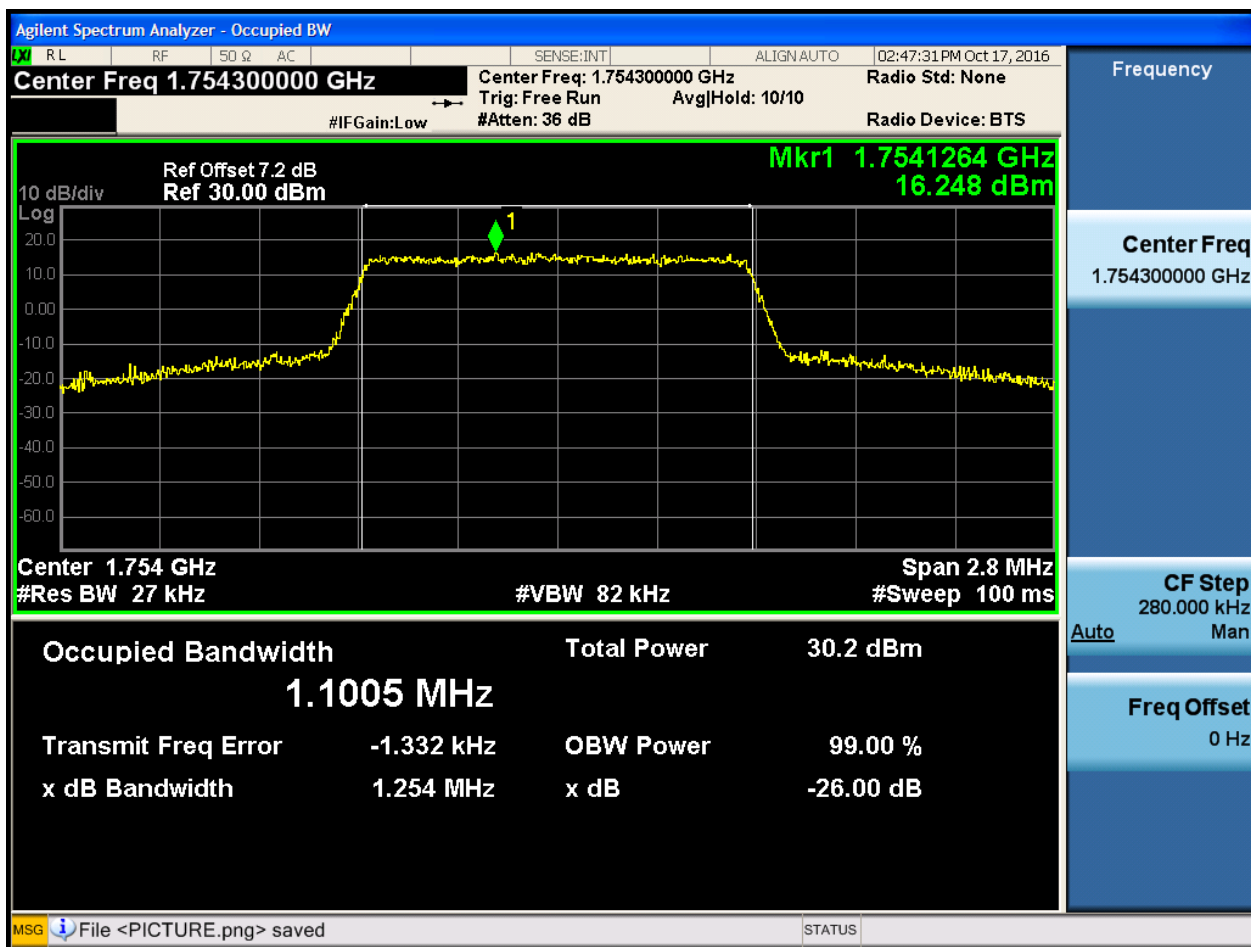
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

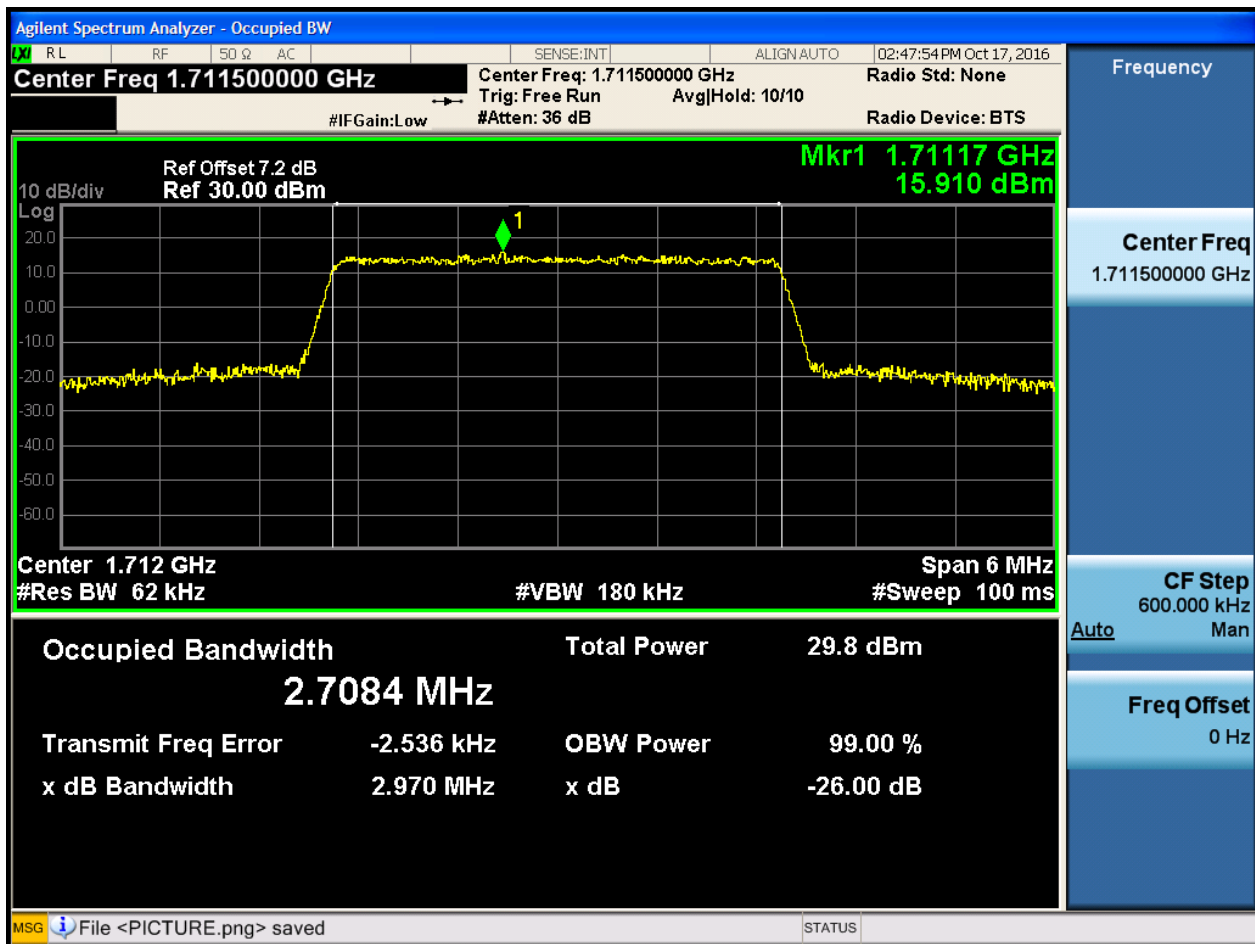




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

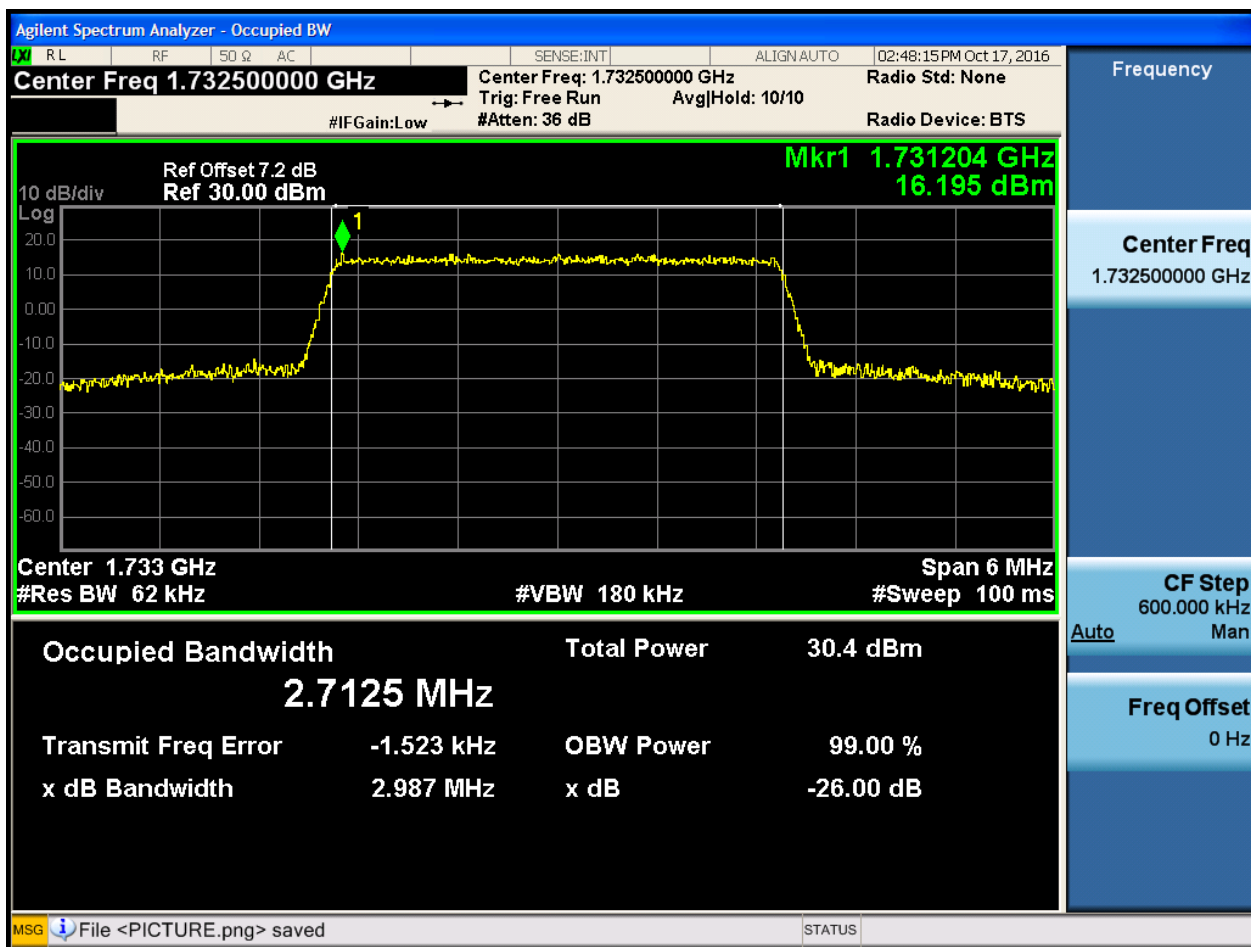
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2 Test Channel = MCH

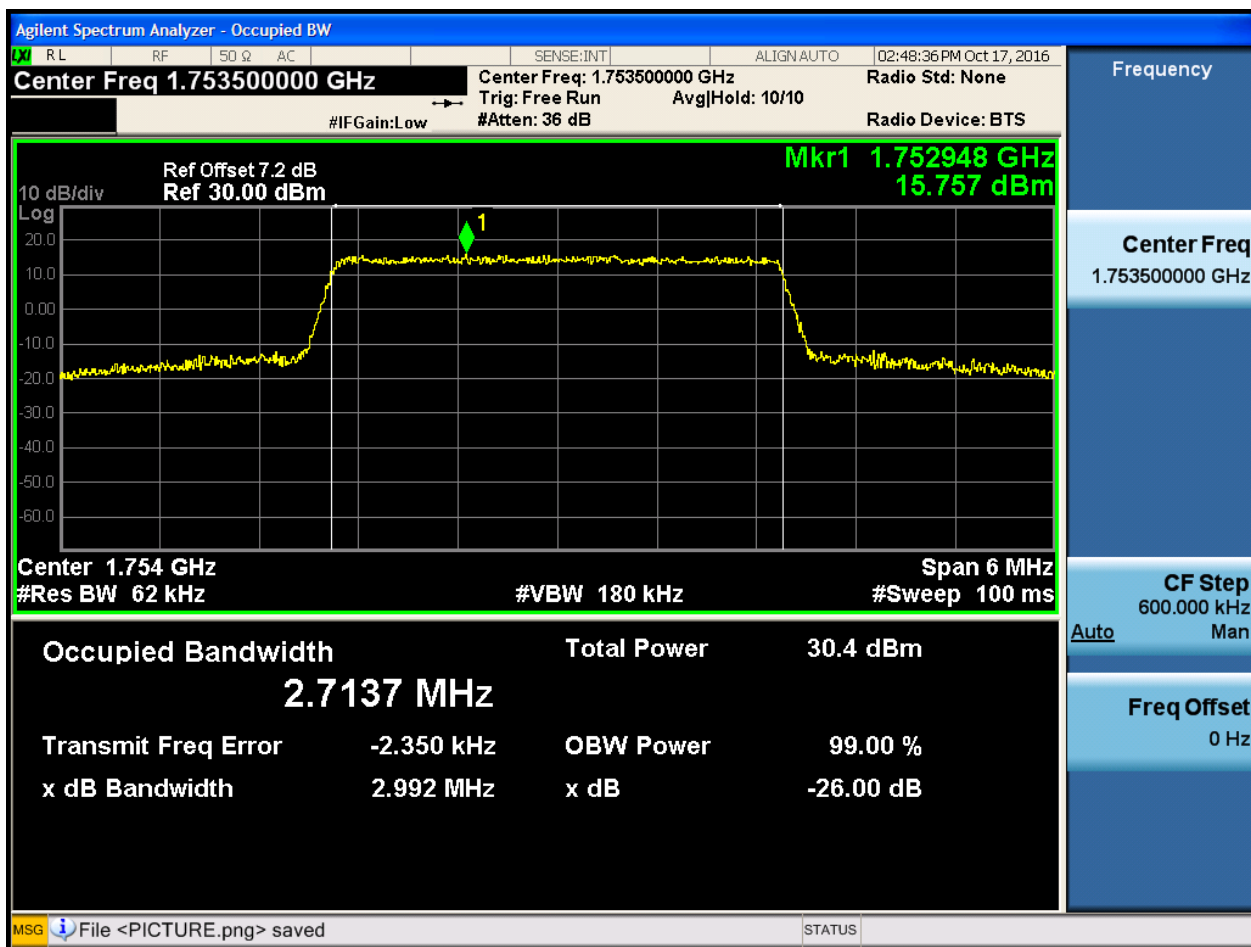
4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

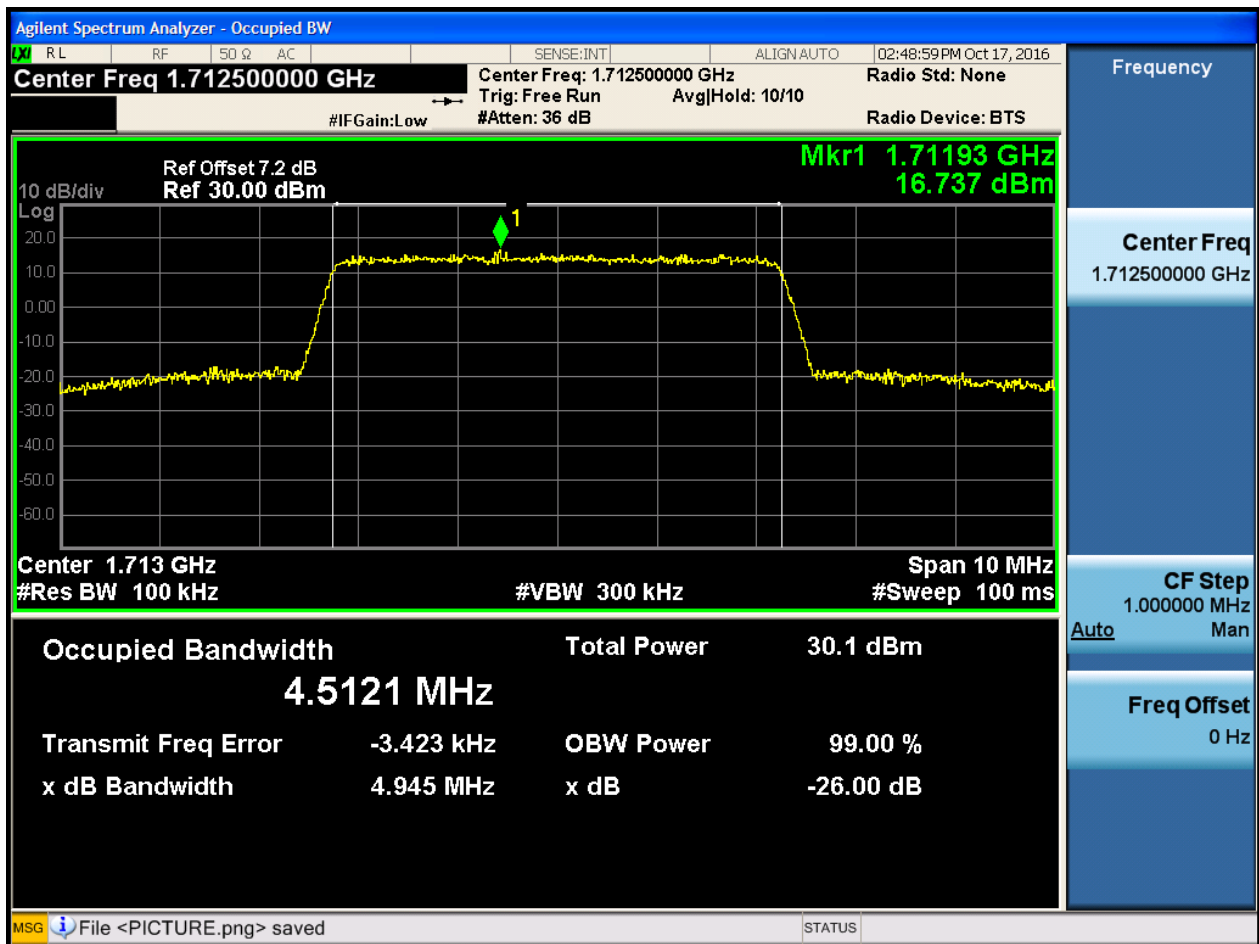




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

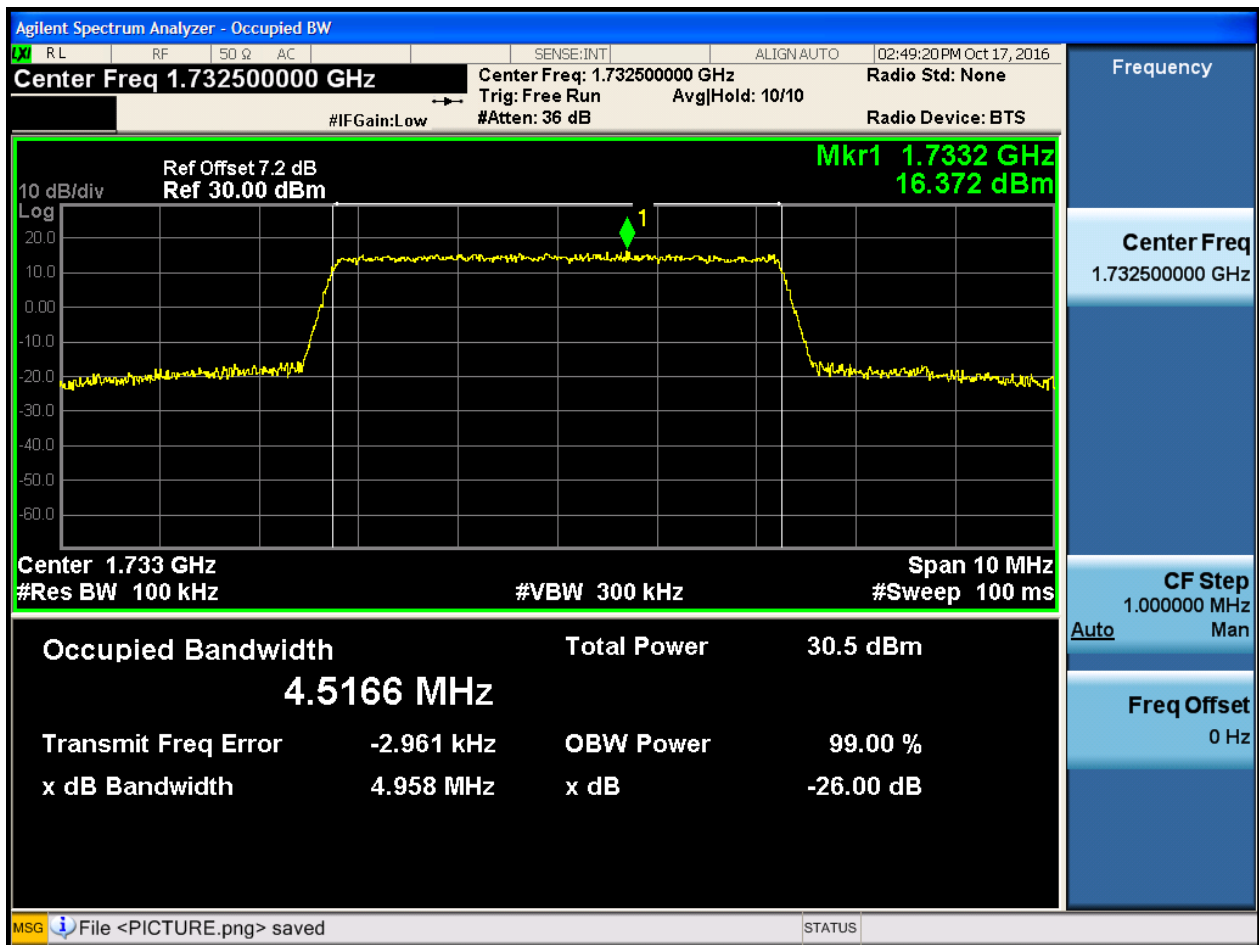
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

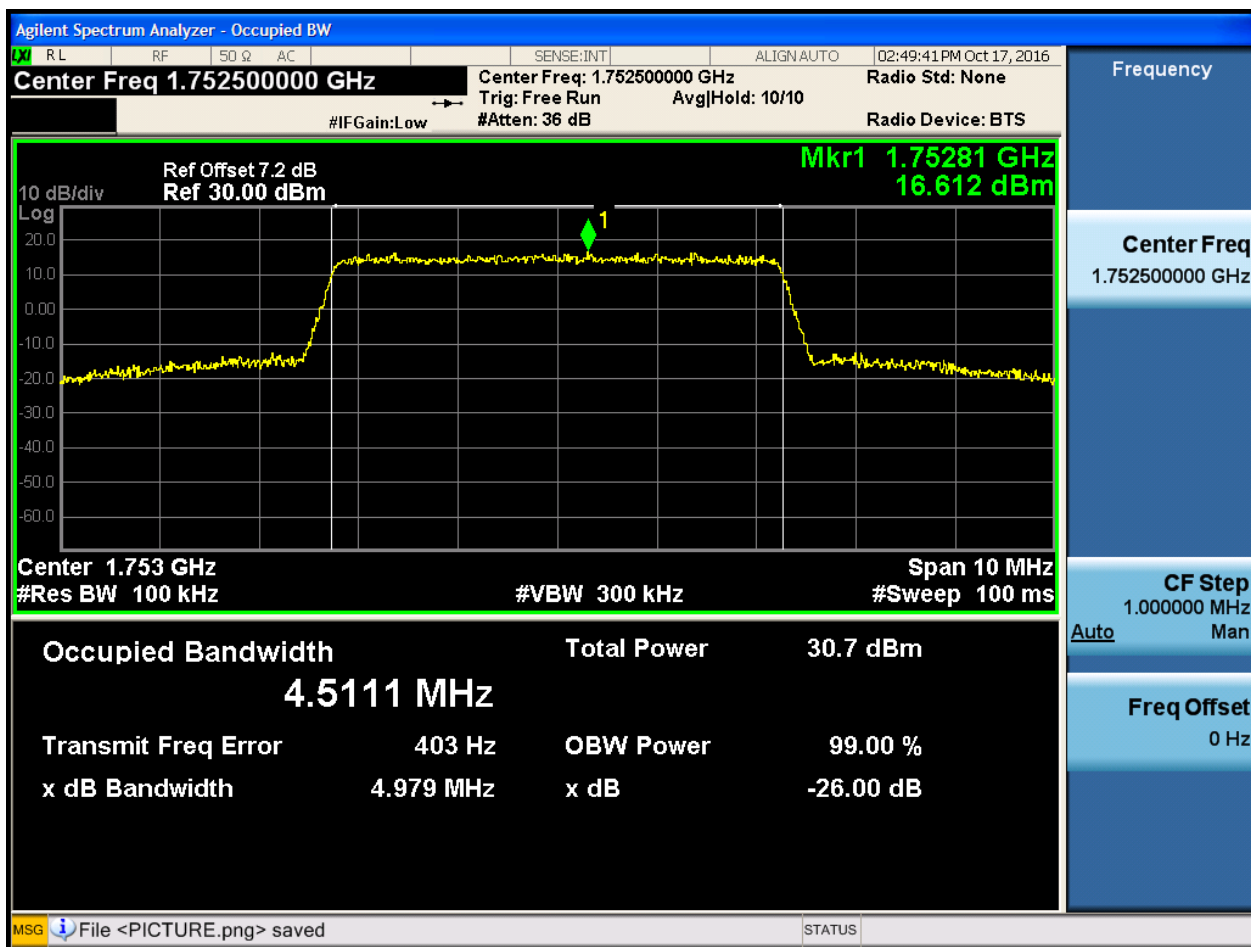
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

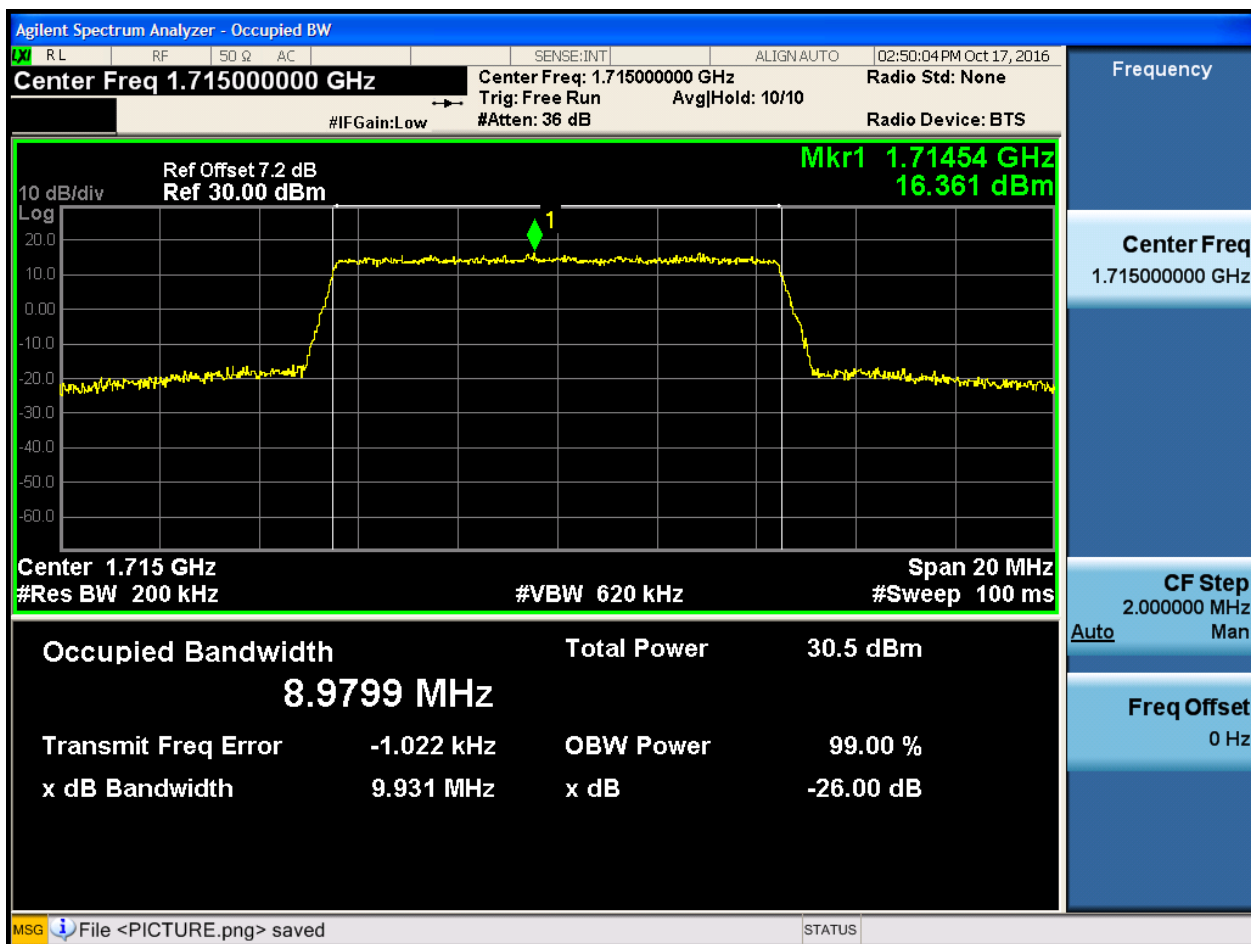




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

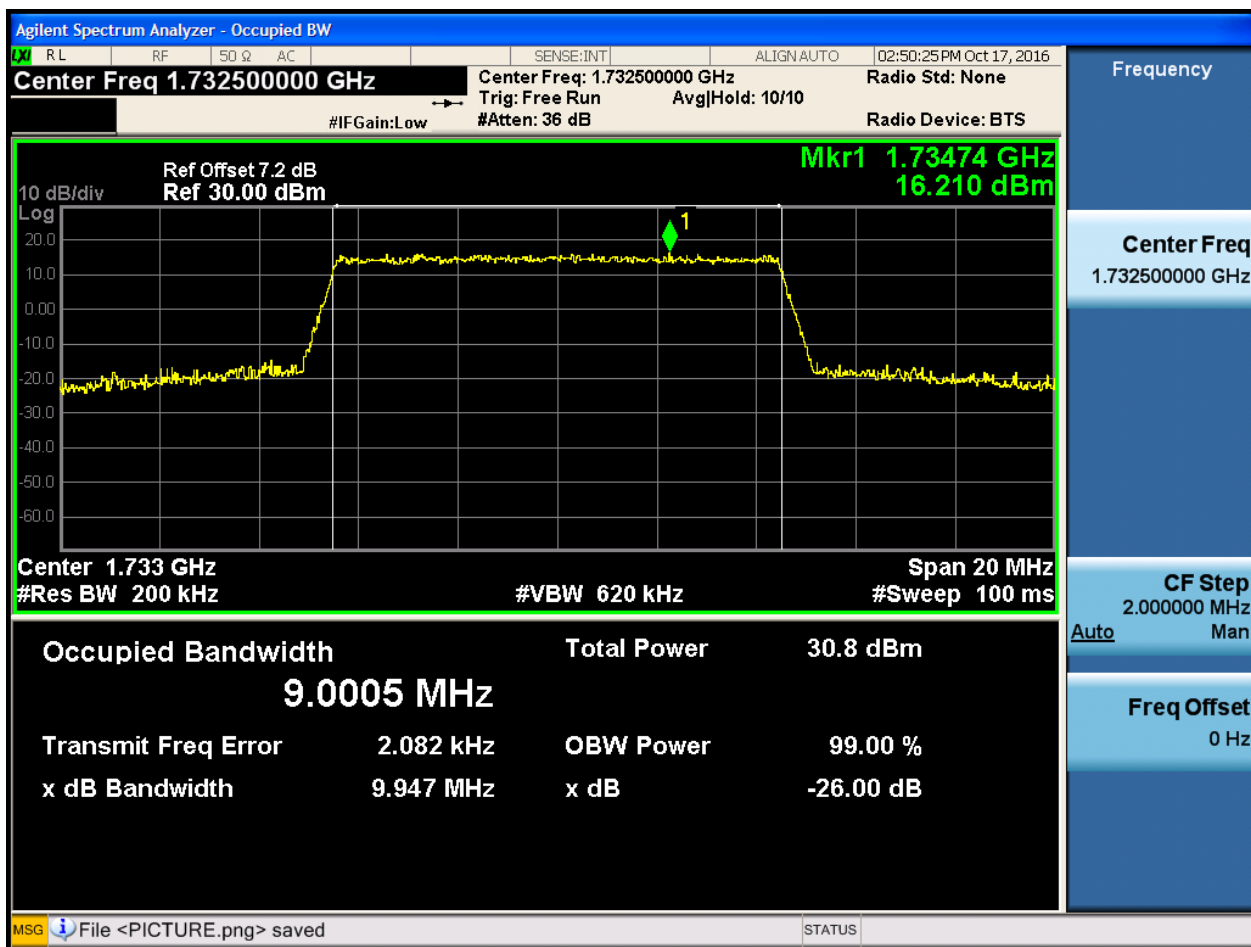
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

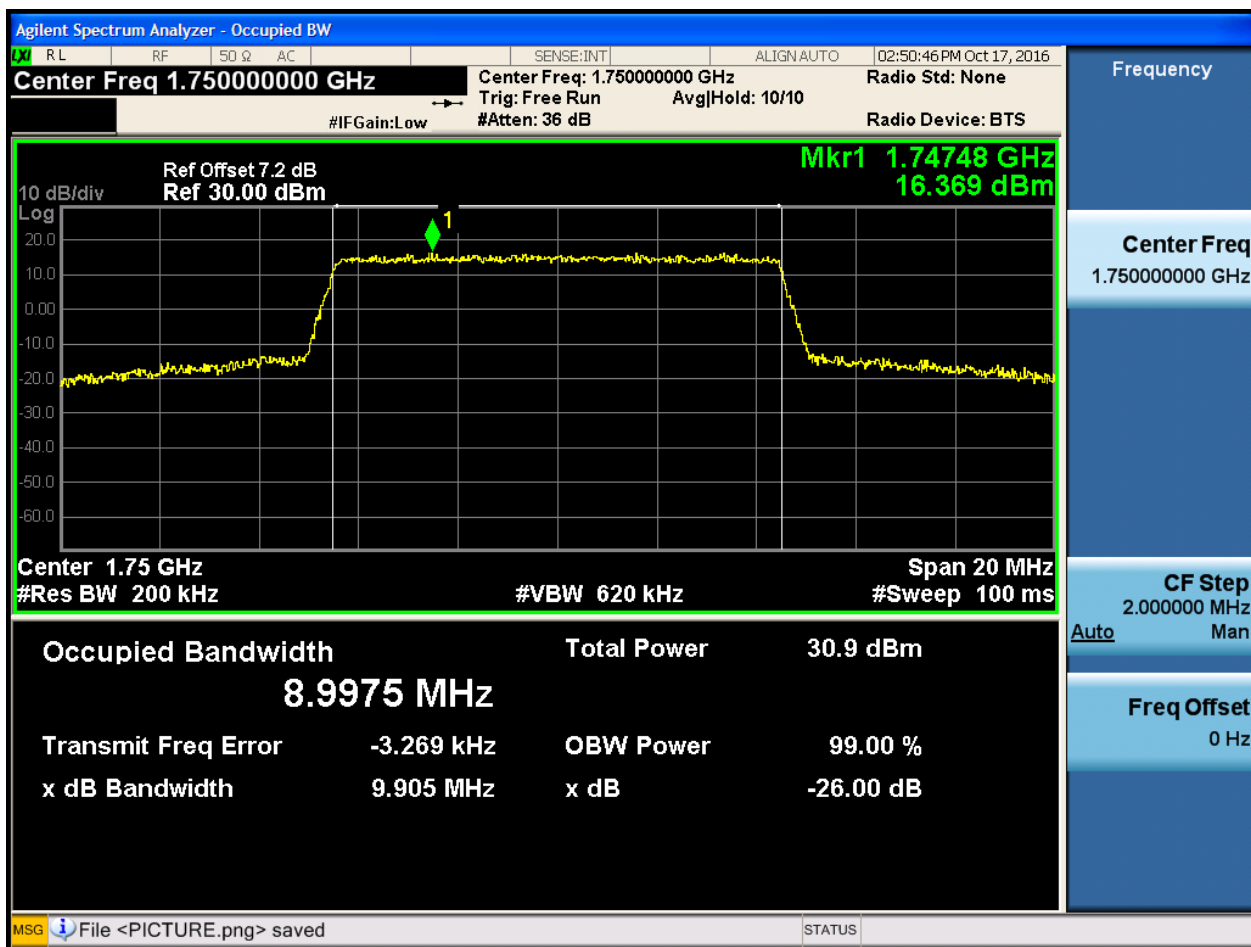
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

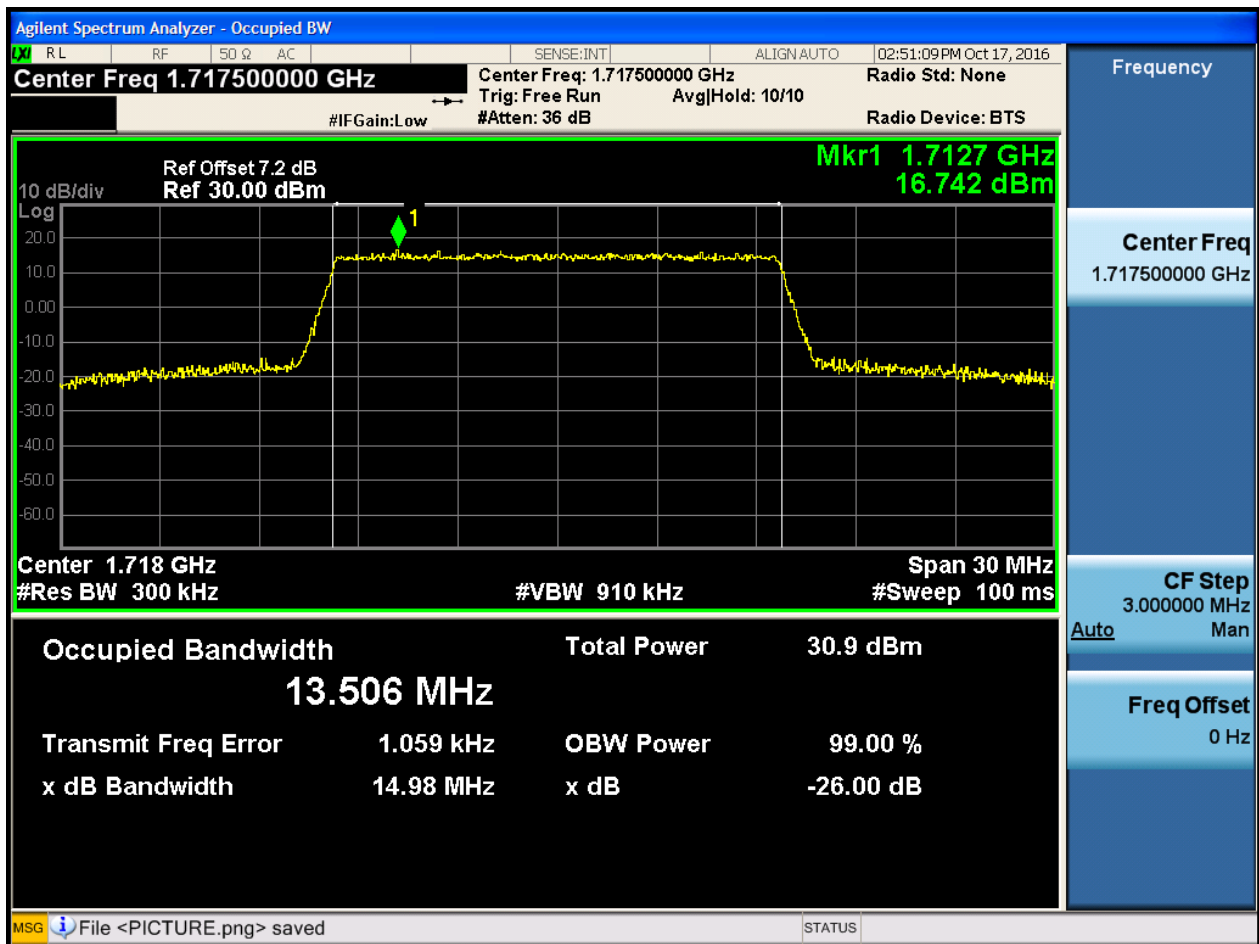




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

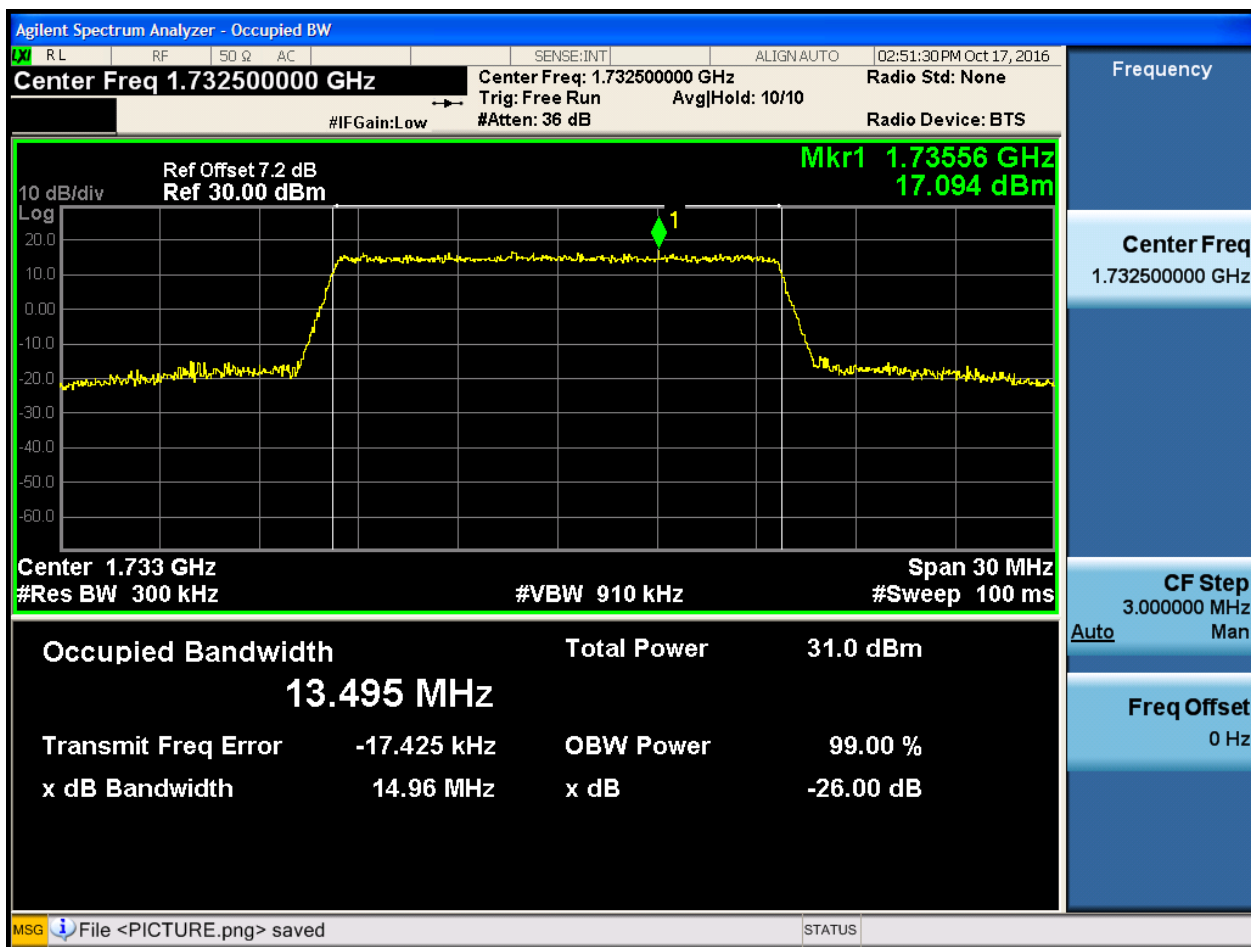
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

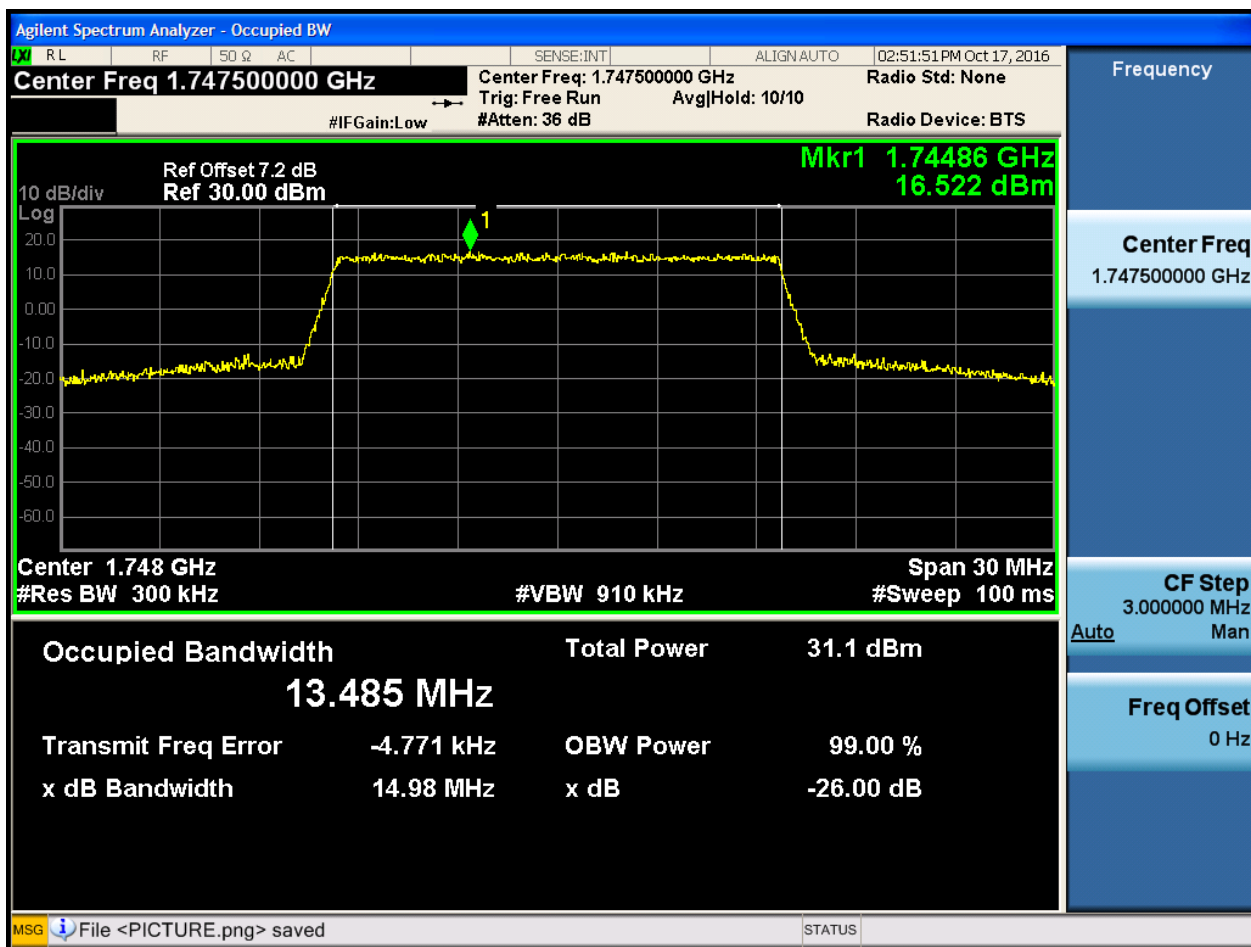
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

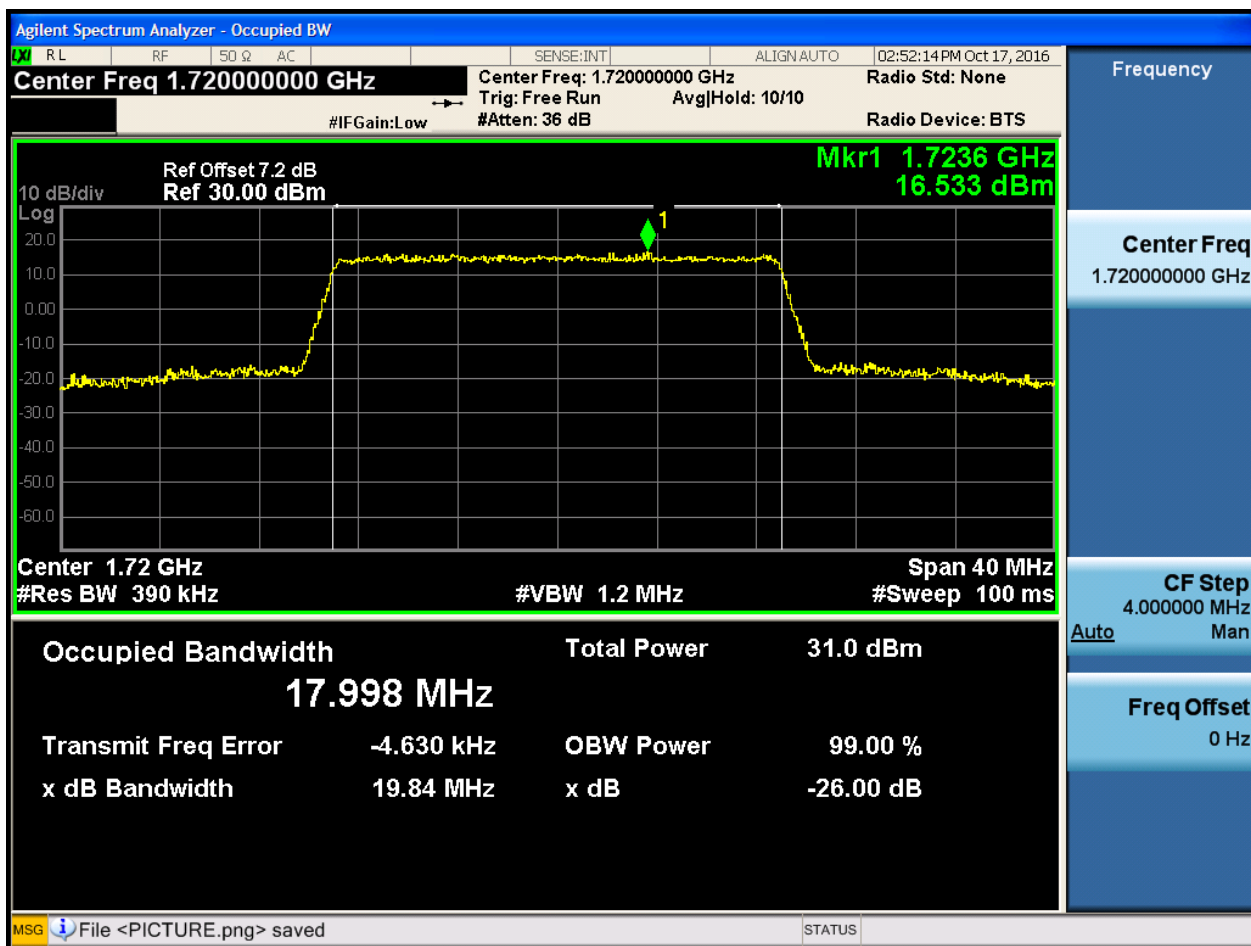




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

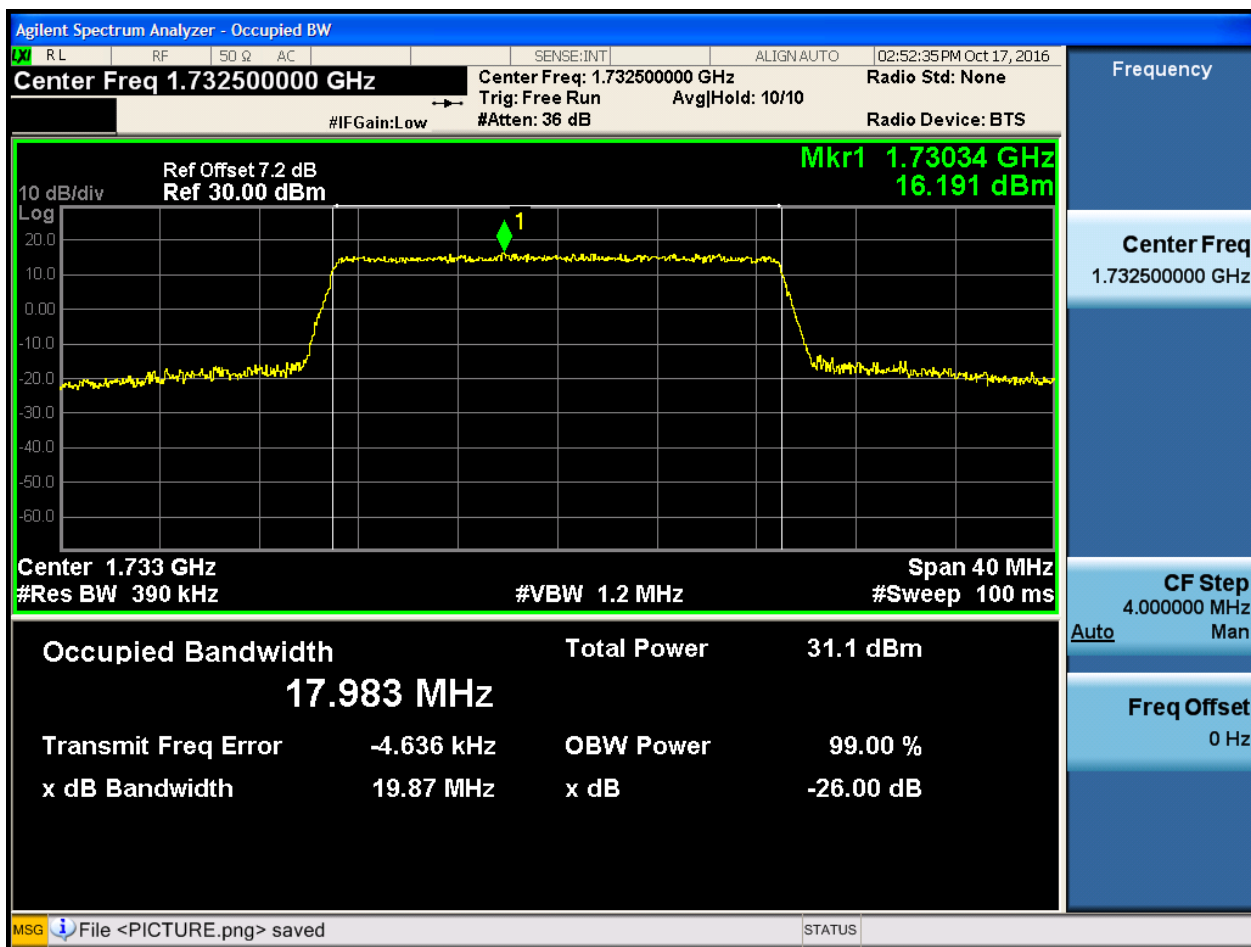
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

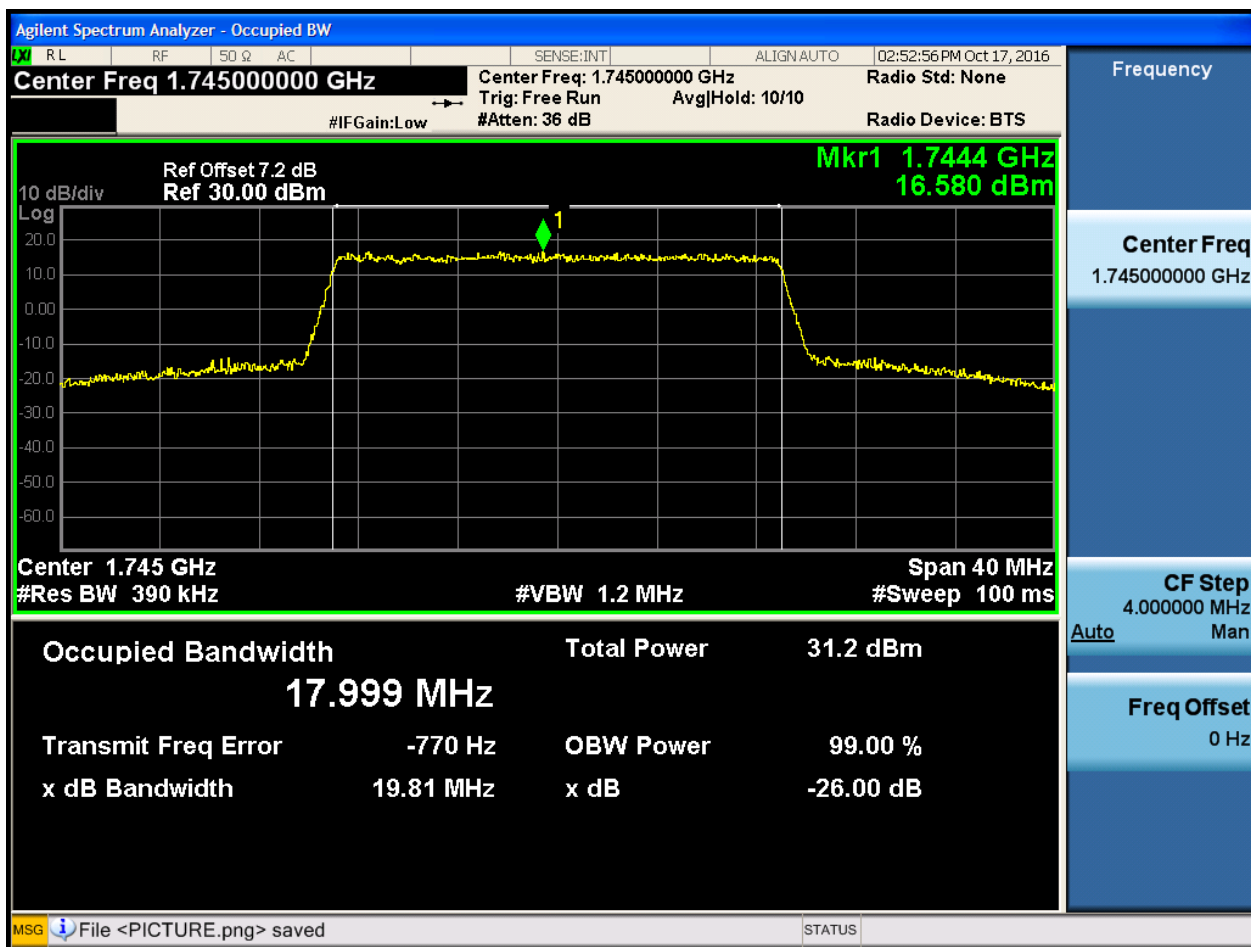
4.1.1.2.6.2.1 Test RB = RB100#0





4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

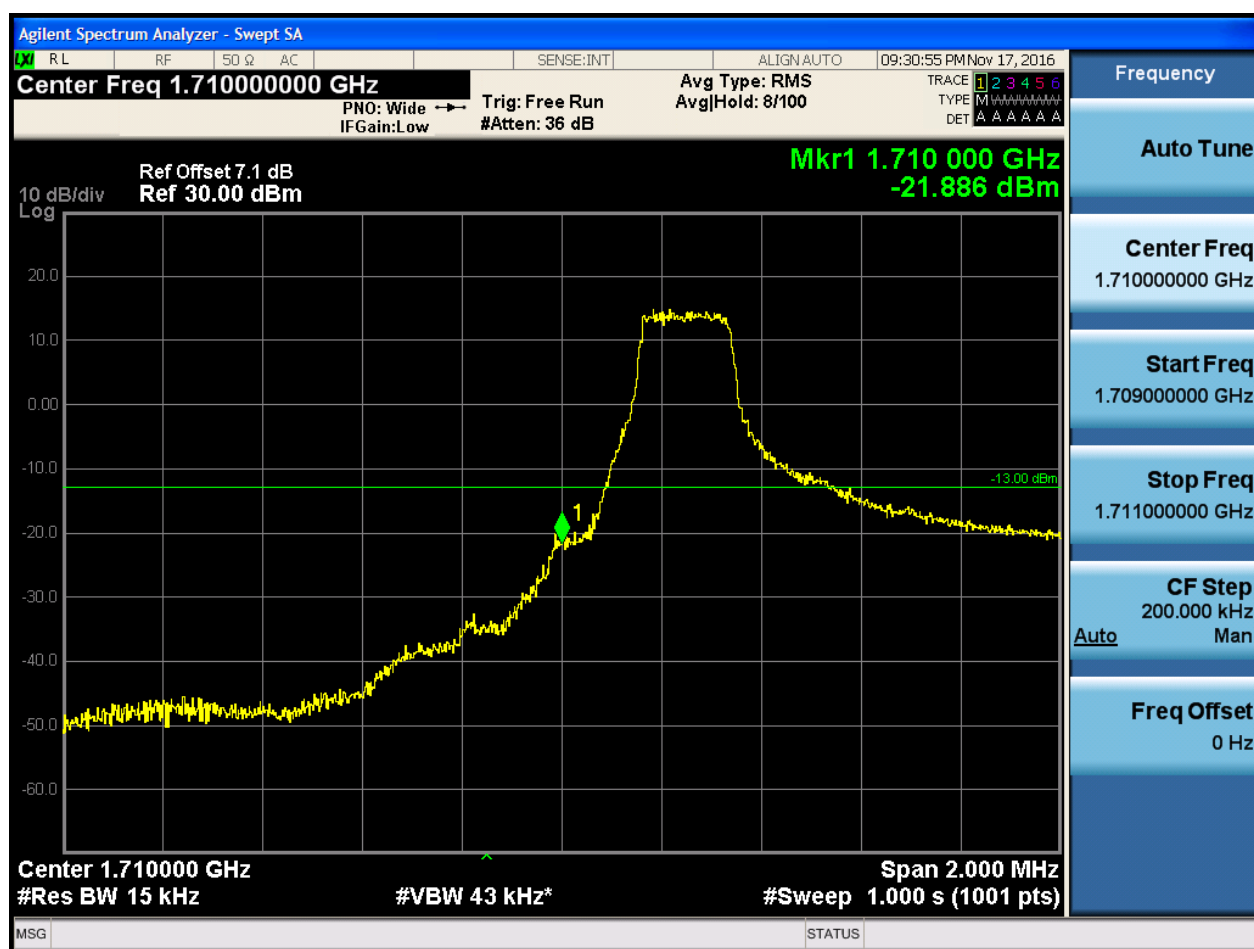
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

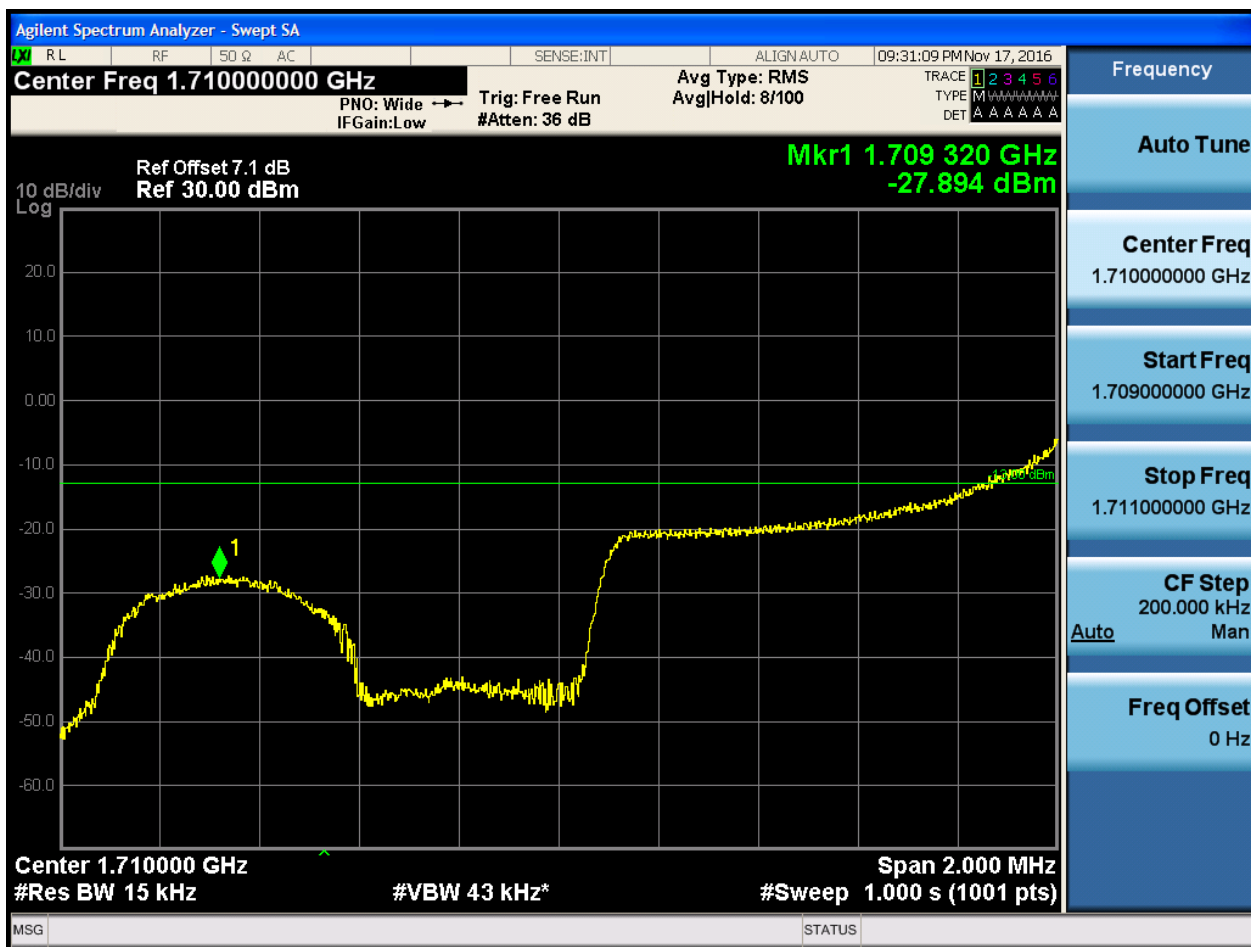
5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:31:38 PM Nov 17, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-29.763 dBm

10 dB/div
Log

Center 1.710000 GHz
#Res BW 15 kHz
#VBW 43 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

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



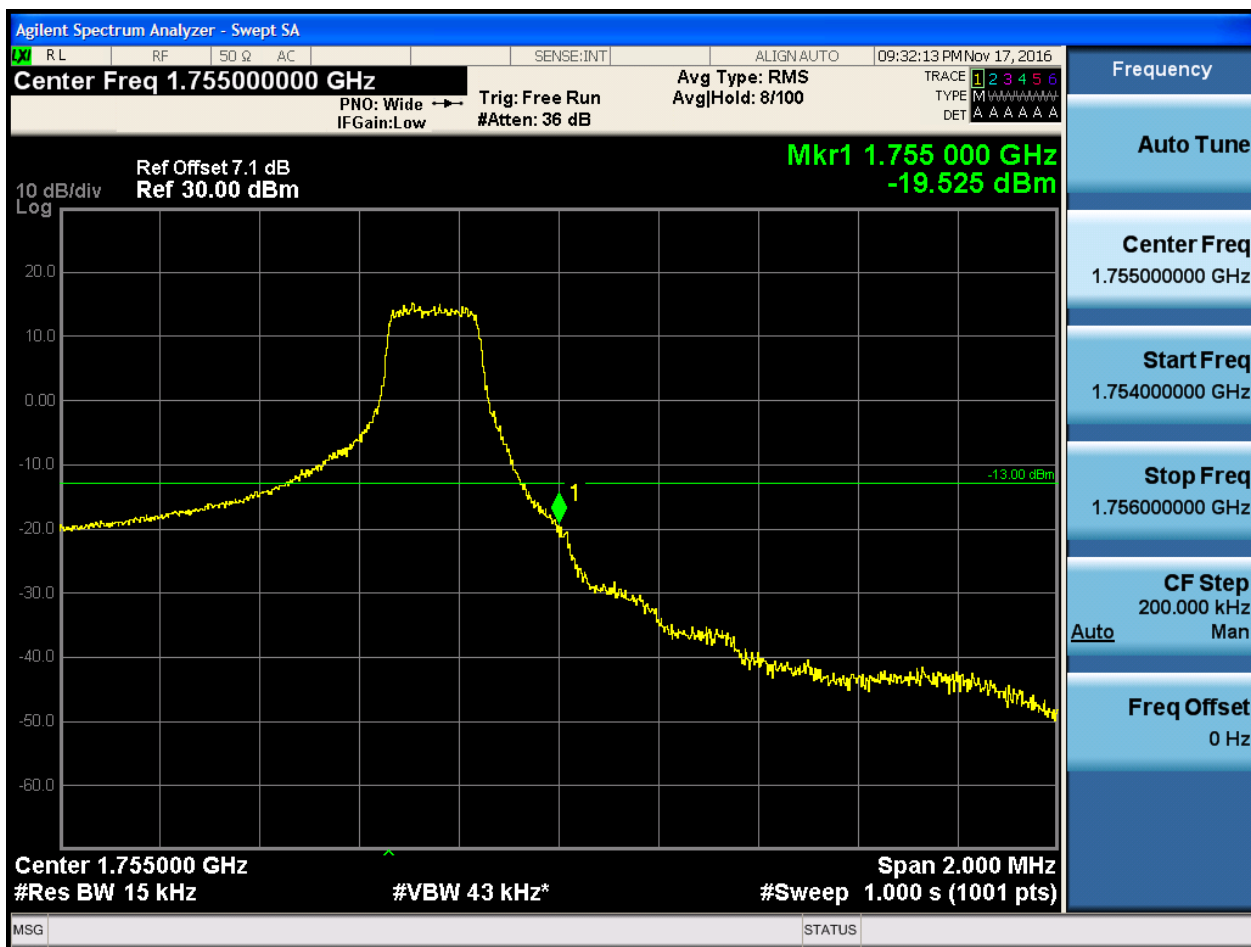
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 090 GHz
-19.463 dBm

10 dB/div
Log

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

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:32:42 PM Nov 17, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-22.959 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

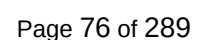
Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:33:18 PM Nov 17, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-33.509 dBm

10 dB/div
Log

-13.00 dBm

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

MSG STATUS

Frequency

Auto Tune

Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

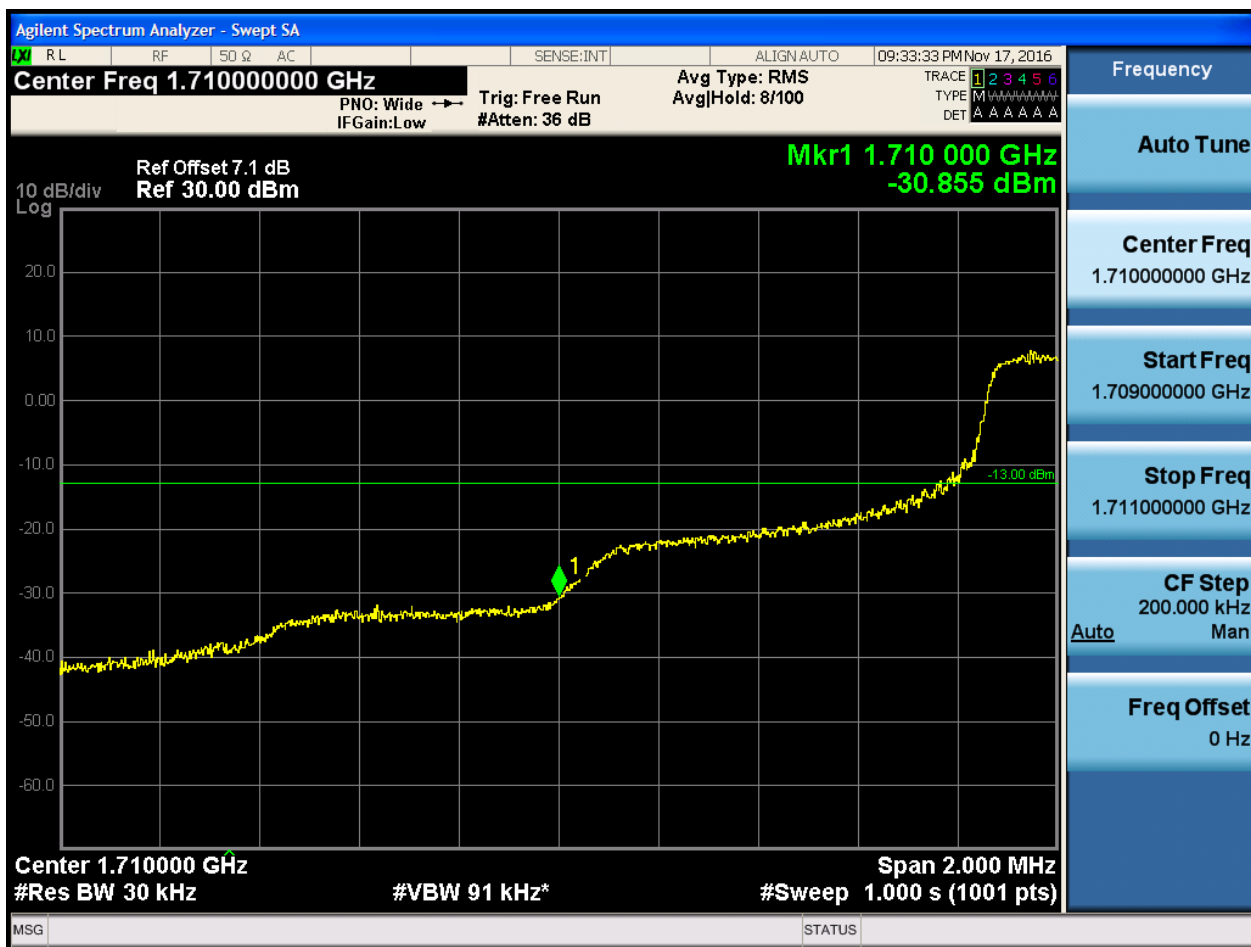
Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

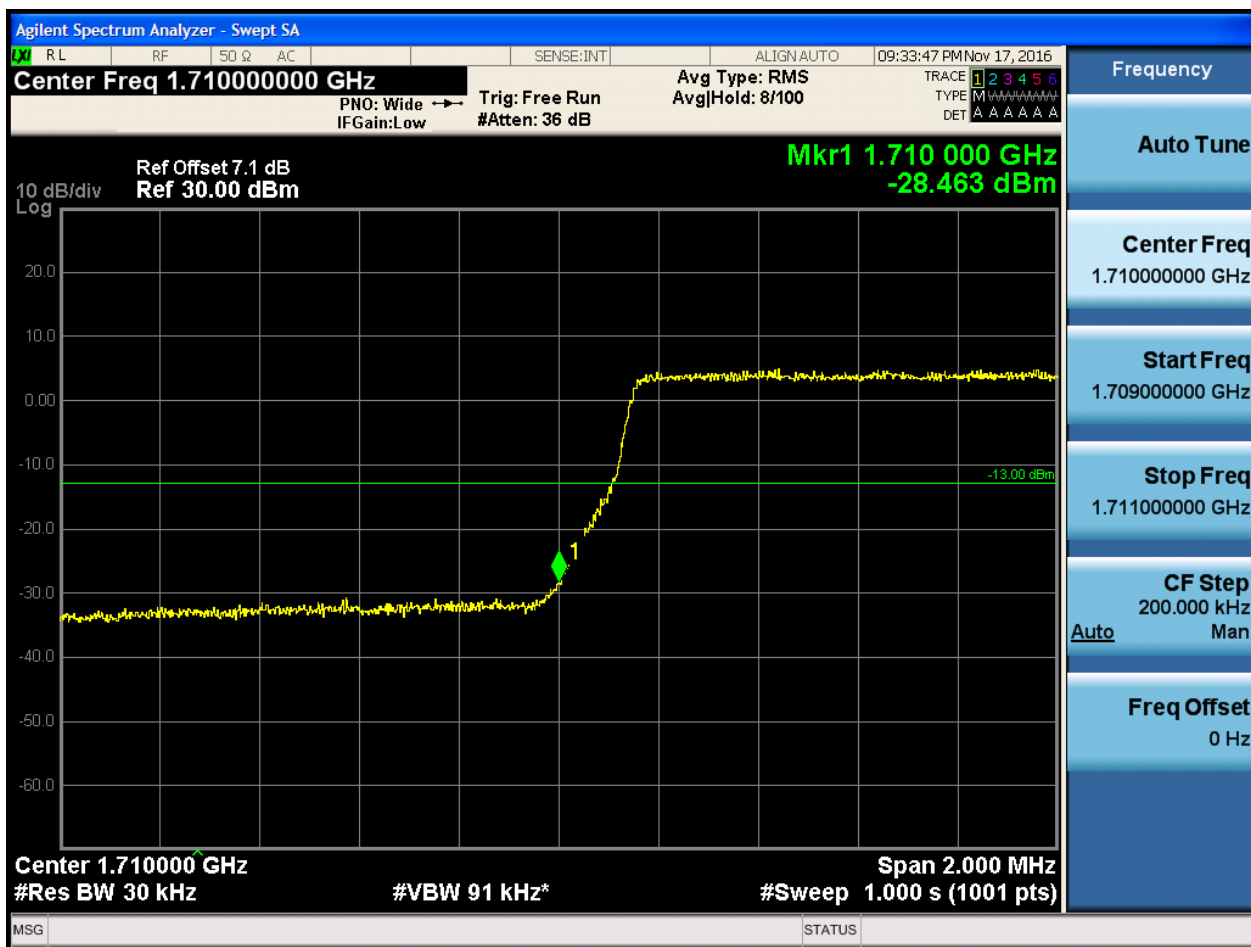


5.1.1.1.2.1.3 Test RB = RB8#4





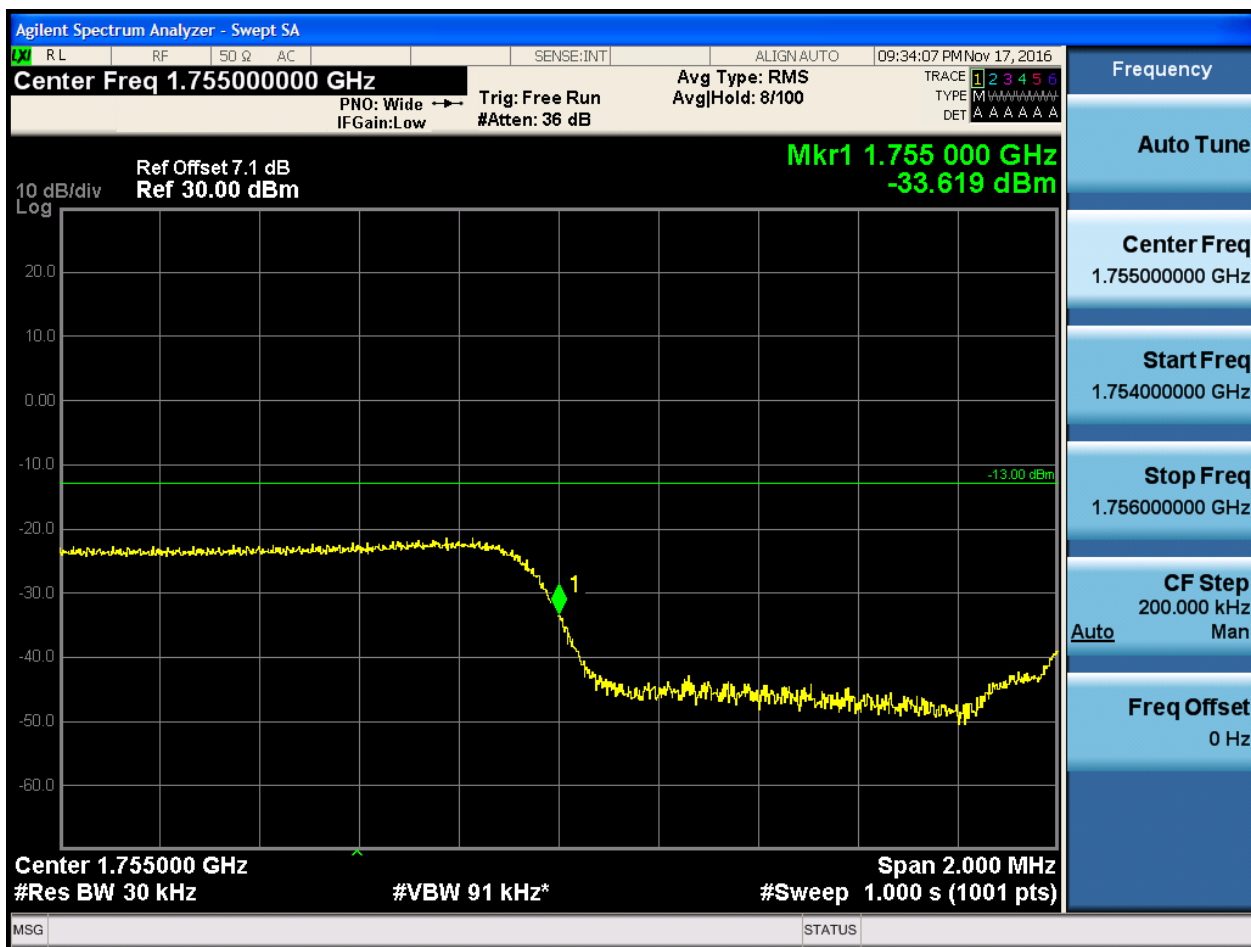
5.1.1.1.2.1.4 Test RB = RB15#0





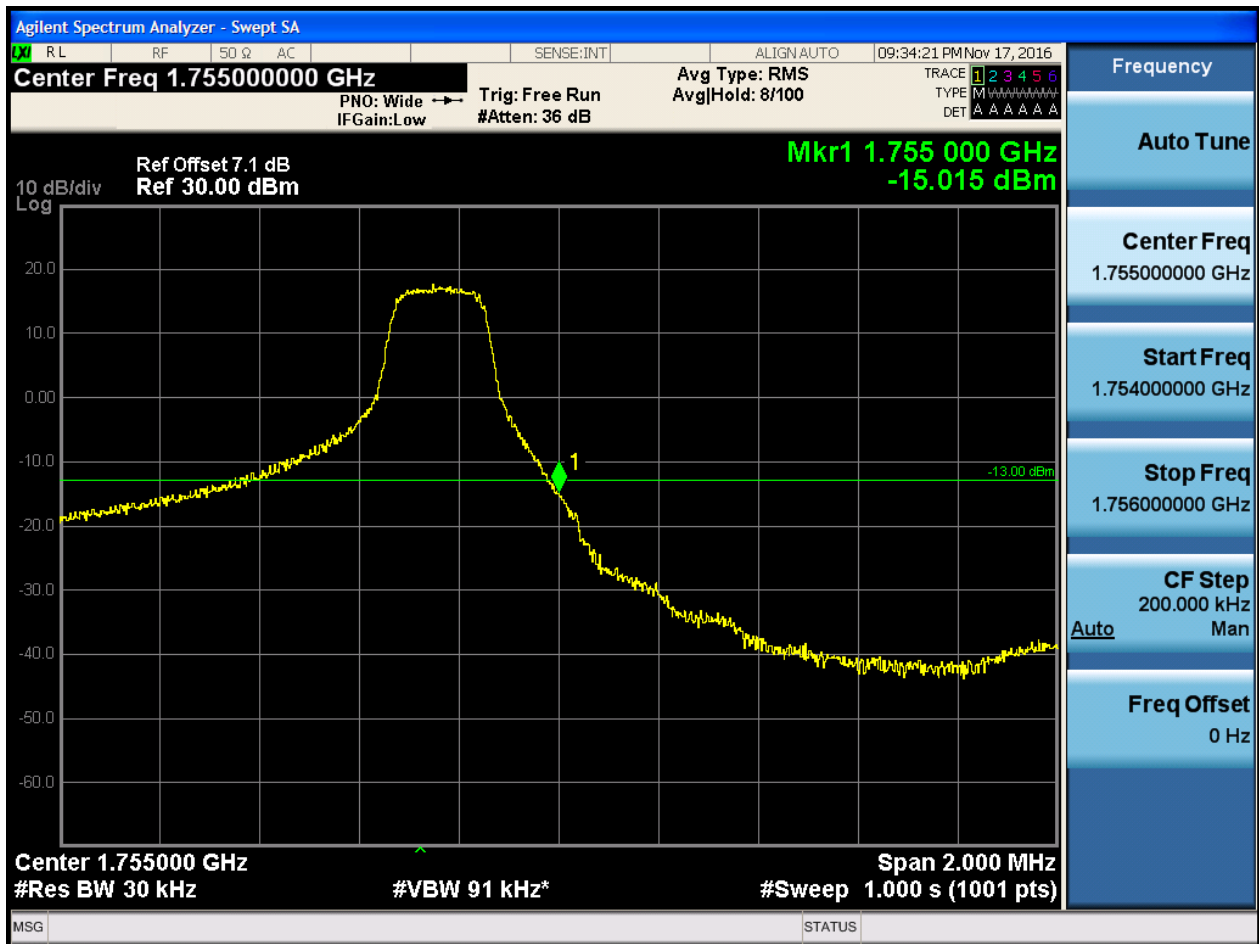
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 090 GHz
-25.430 dBm

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

Alignment Completed

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

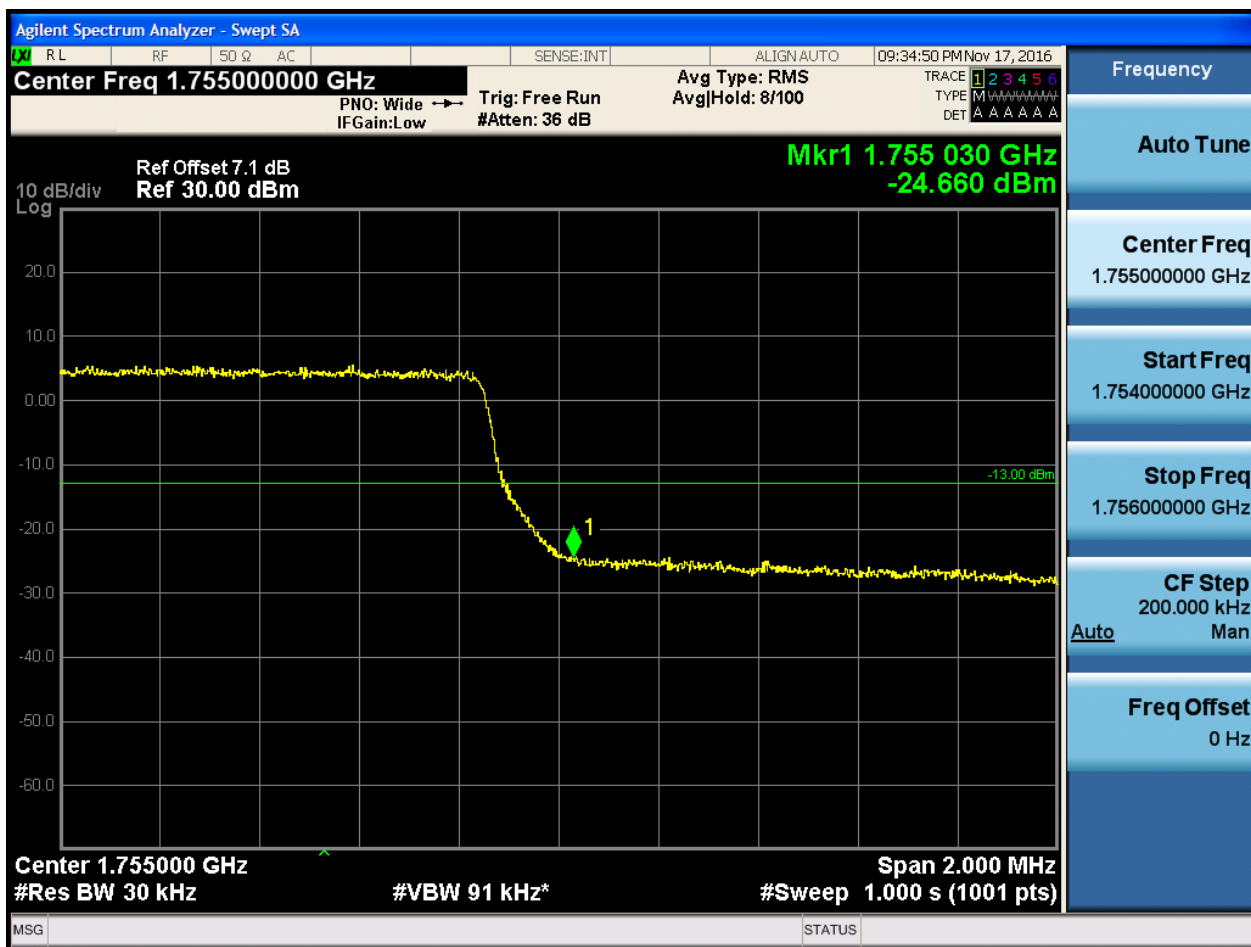
Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.2.4 Test RB = RB15#0

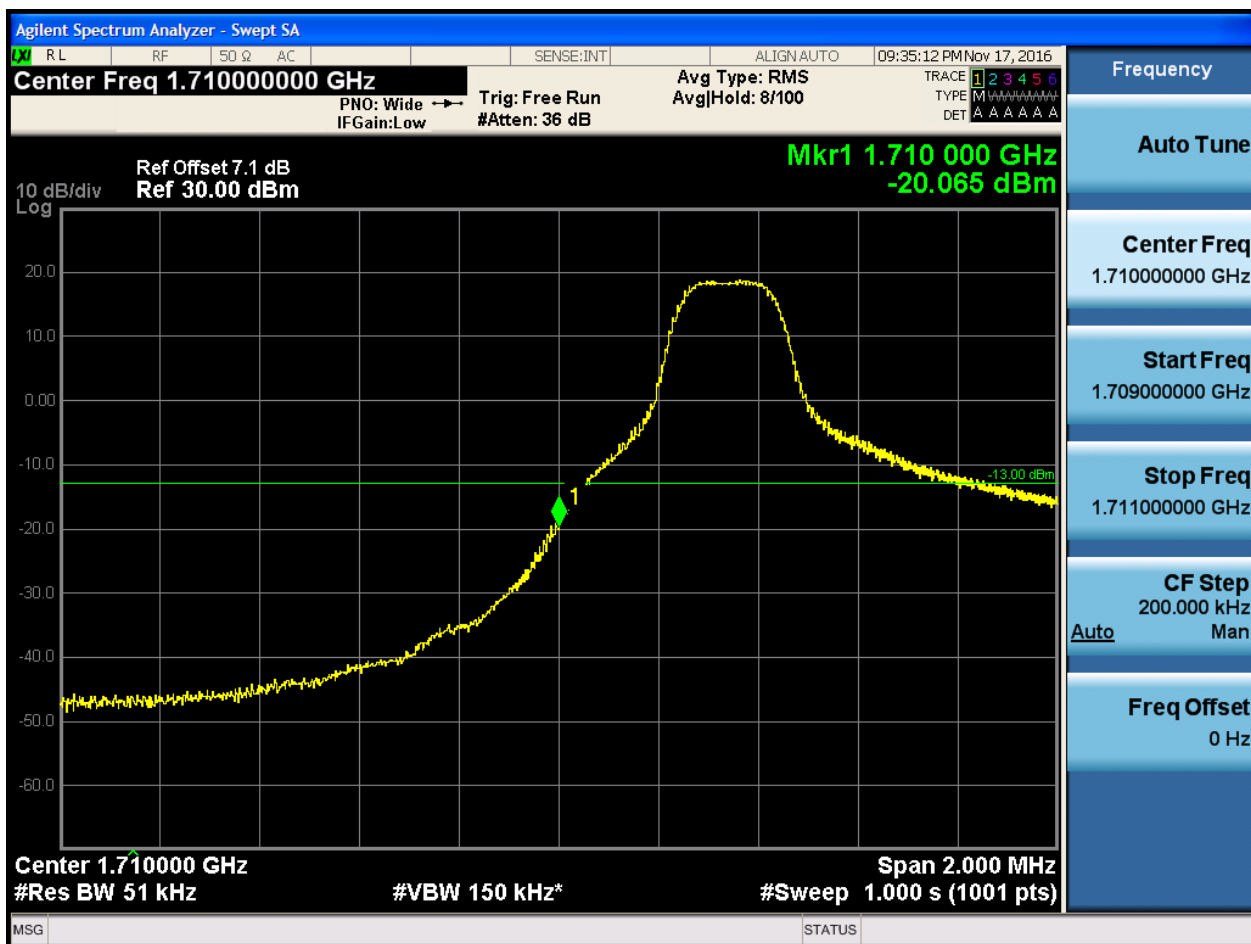




5.1.1.1.3 Test Bandwidth = 5

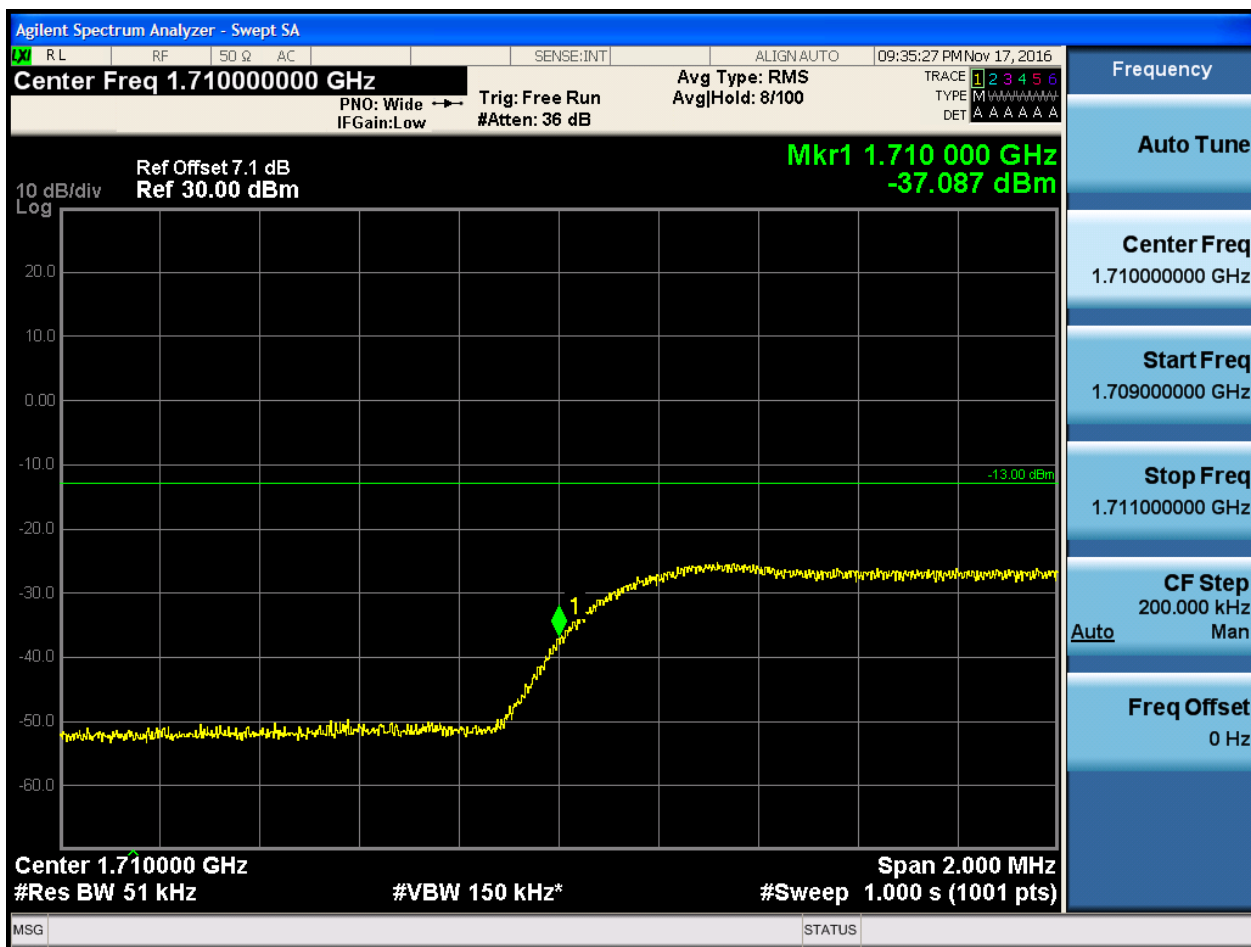
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



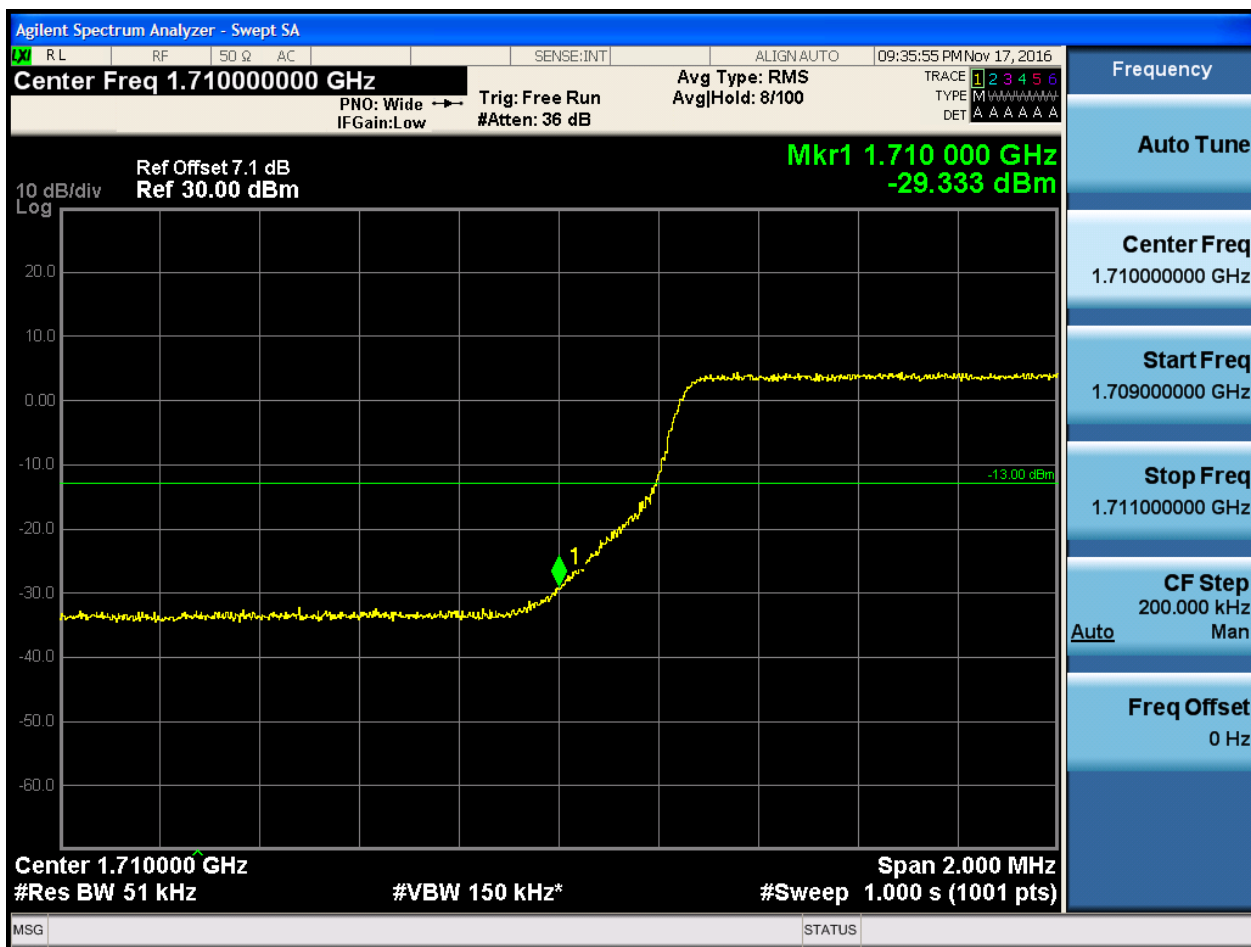


5.1.1.1.3.1.3 Test RB = RB12#6





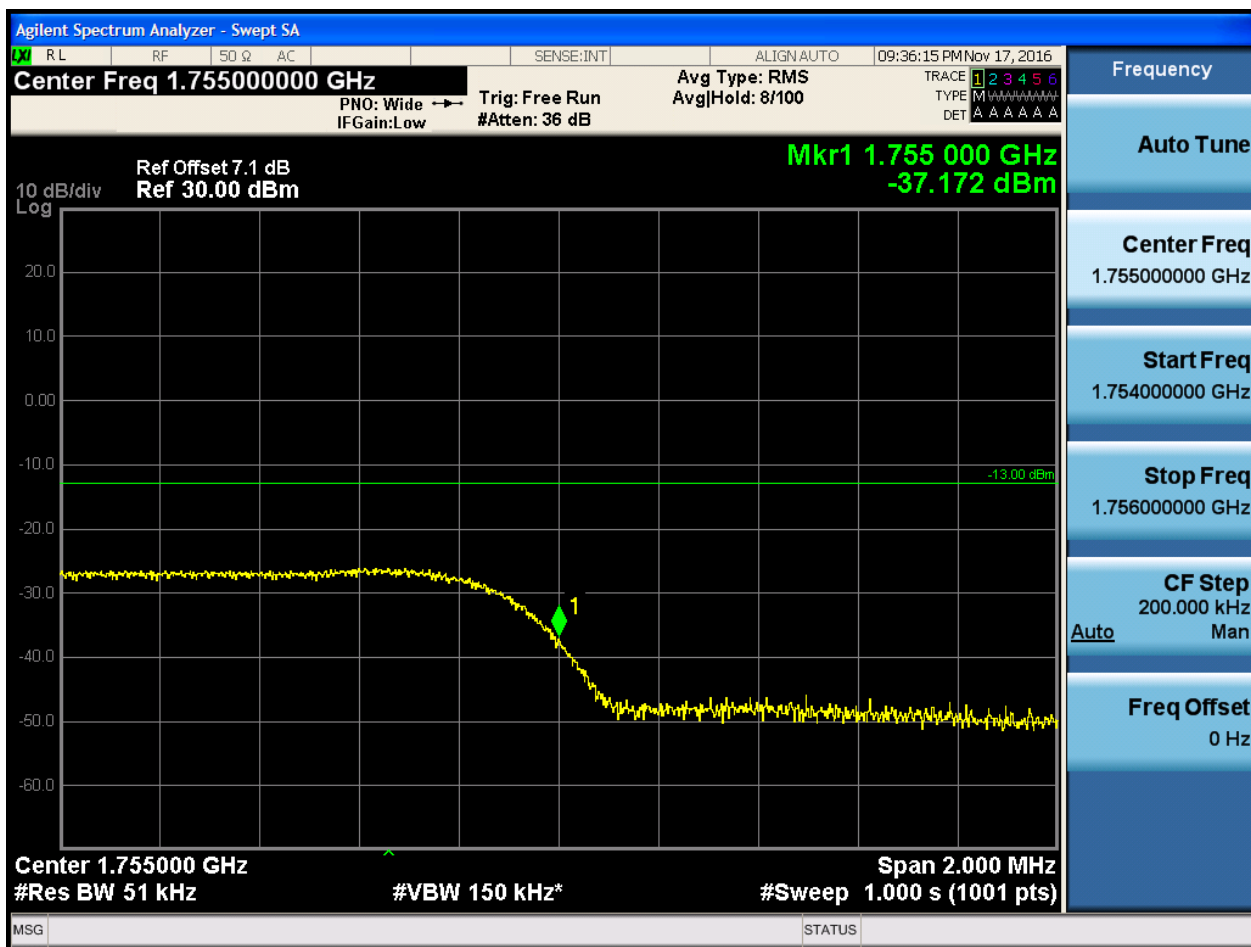
5.1.1.1.3.1.4 Test RB = RB25#0





5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:36:30 PM Nov 17, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-18.665 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 040 GHz
-25.294 dBm

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

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:36:59 PM Nov 17, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-24.831 dBm

10 dB/div
Log

-13.00 dBm

Center 1.755000 GHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

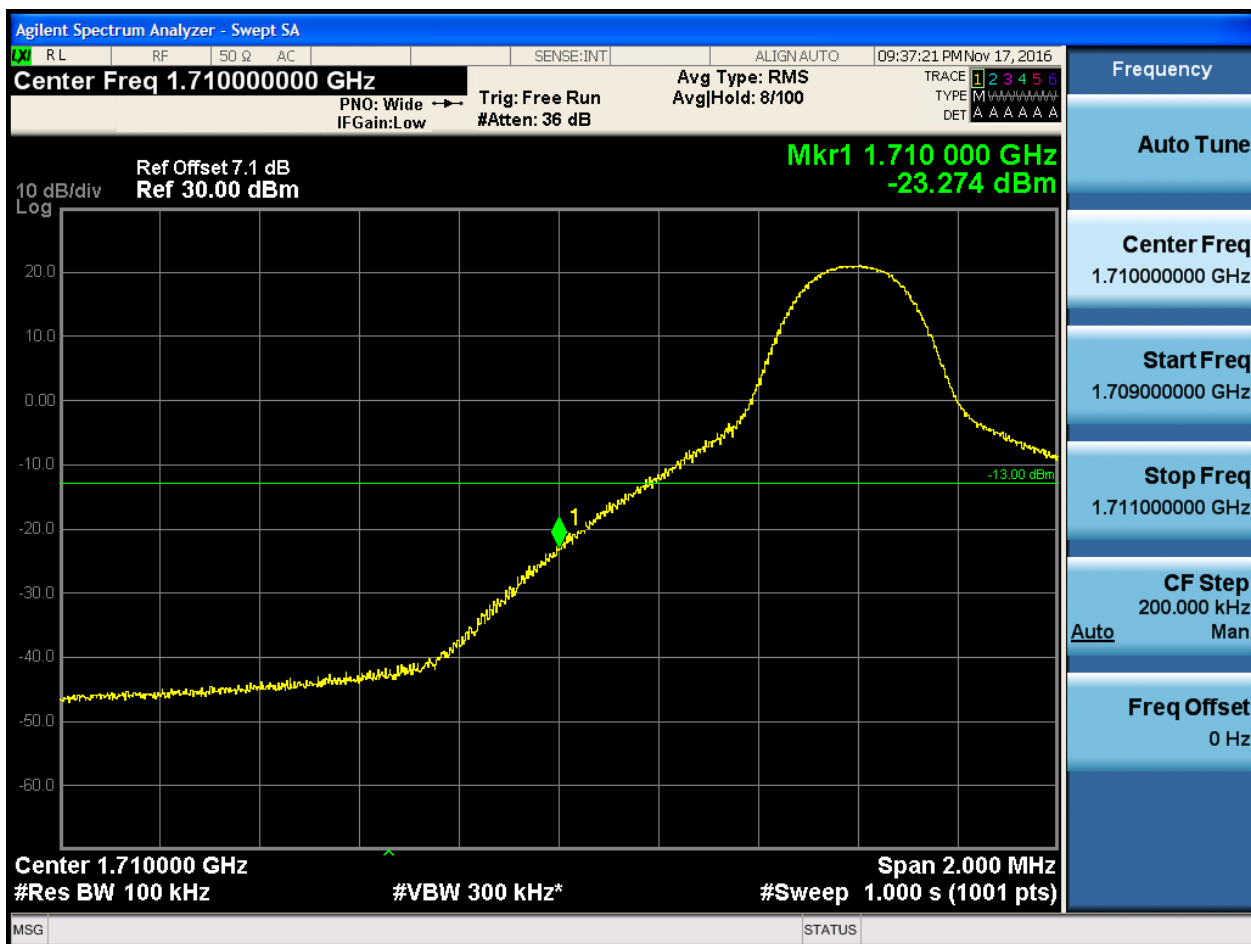
Freq Offset
0 Hz



5.1.1.1.4 Test Bandwidth = 10

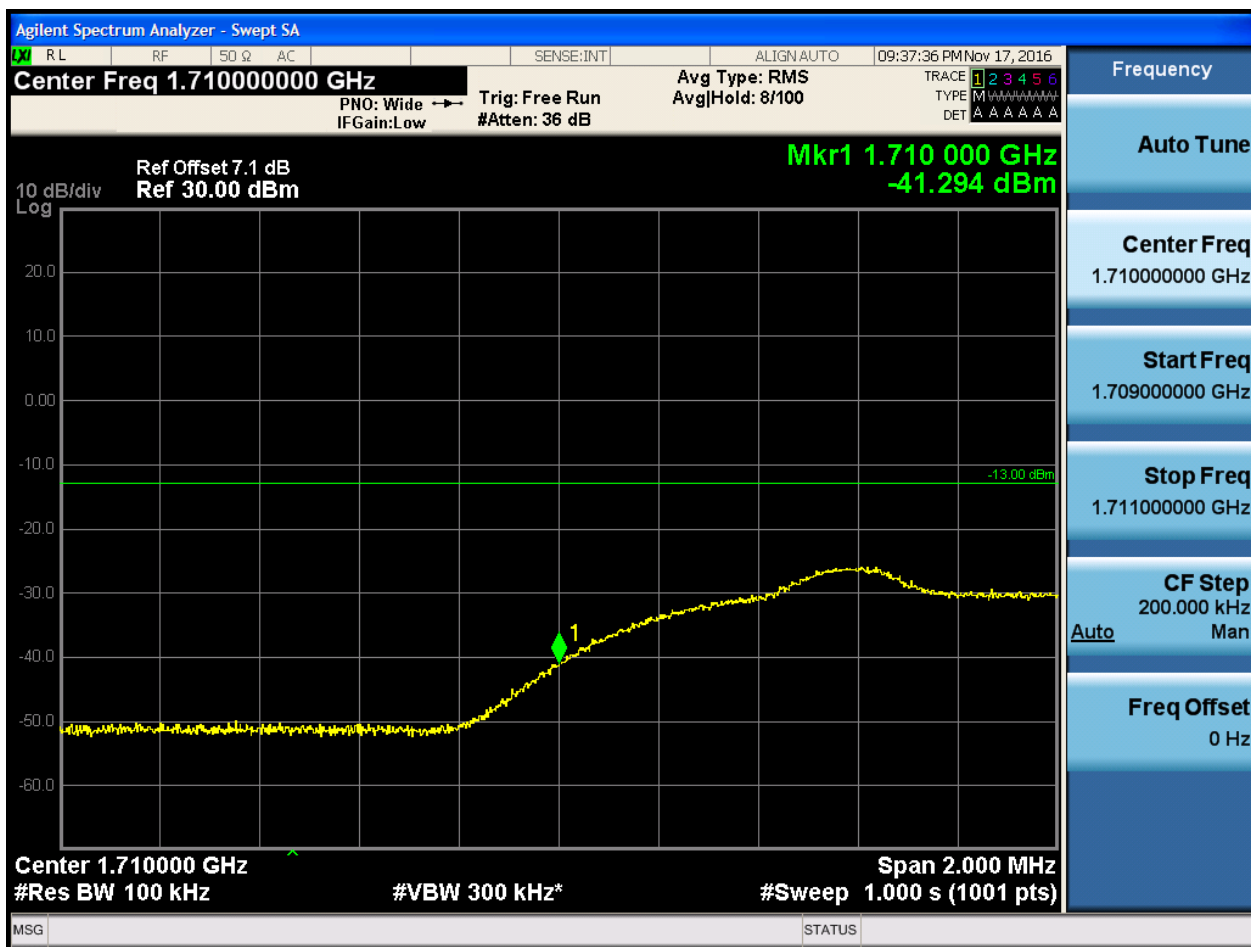
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



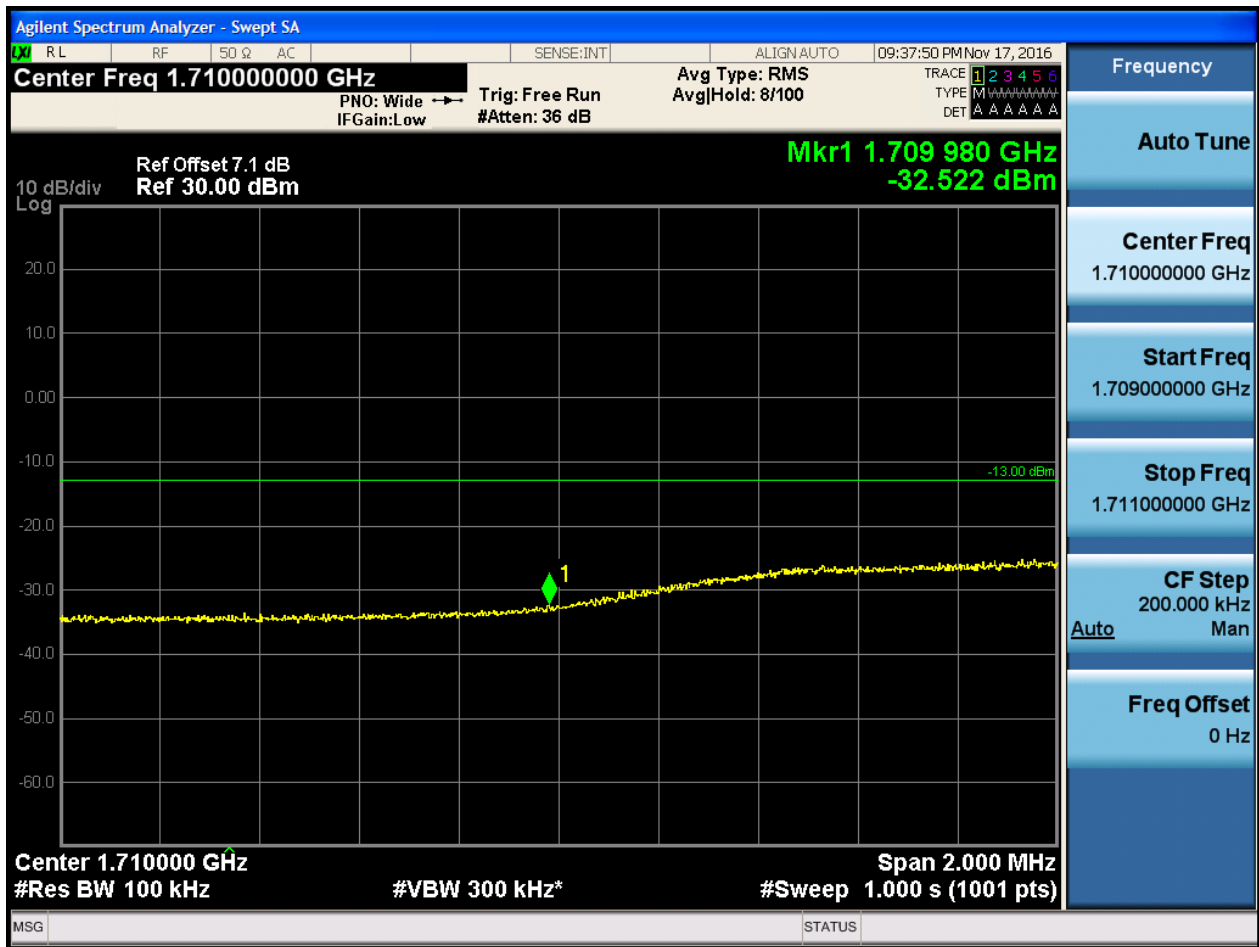


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:38:04 PM Nov 17, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 8/100
IFGain:Low #Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-31.767 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 100 kHz #VBW 300 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

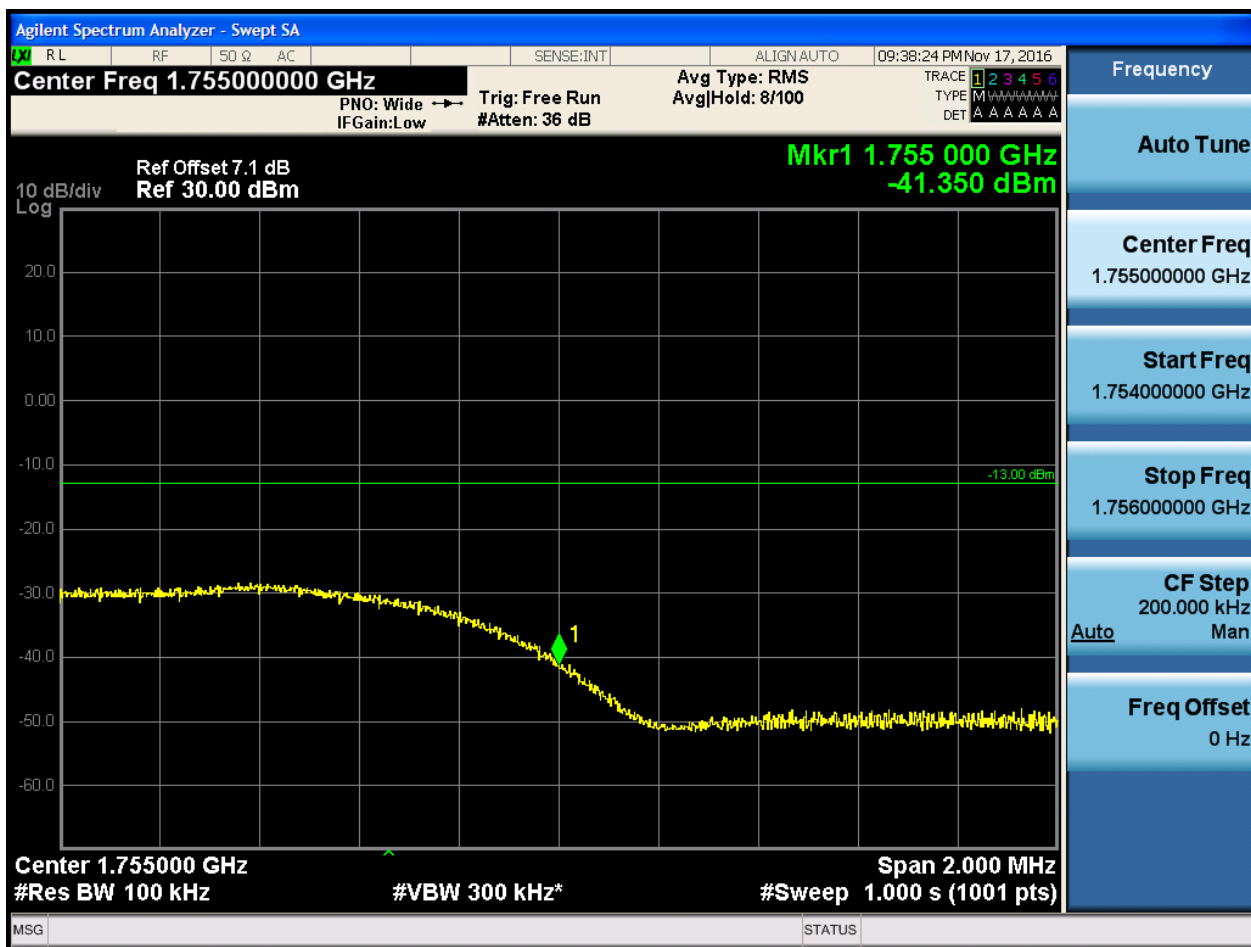
MSG STATUS

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



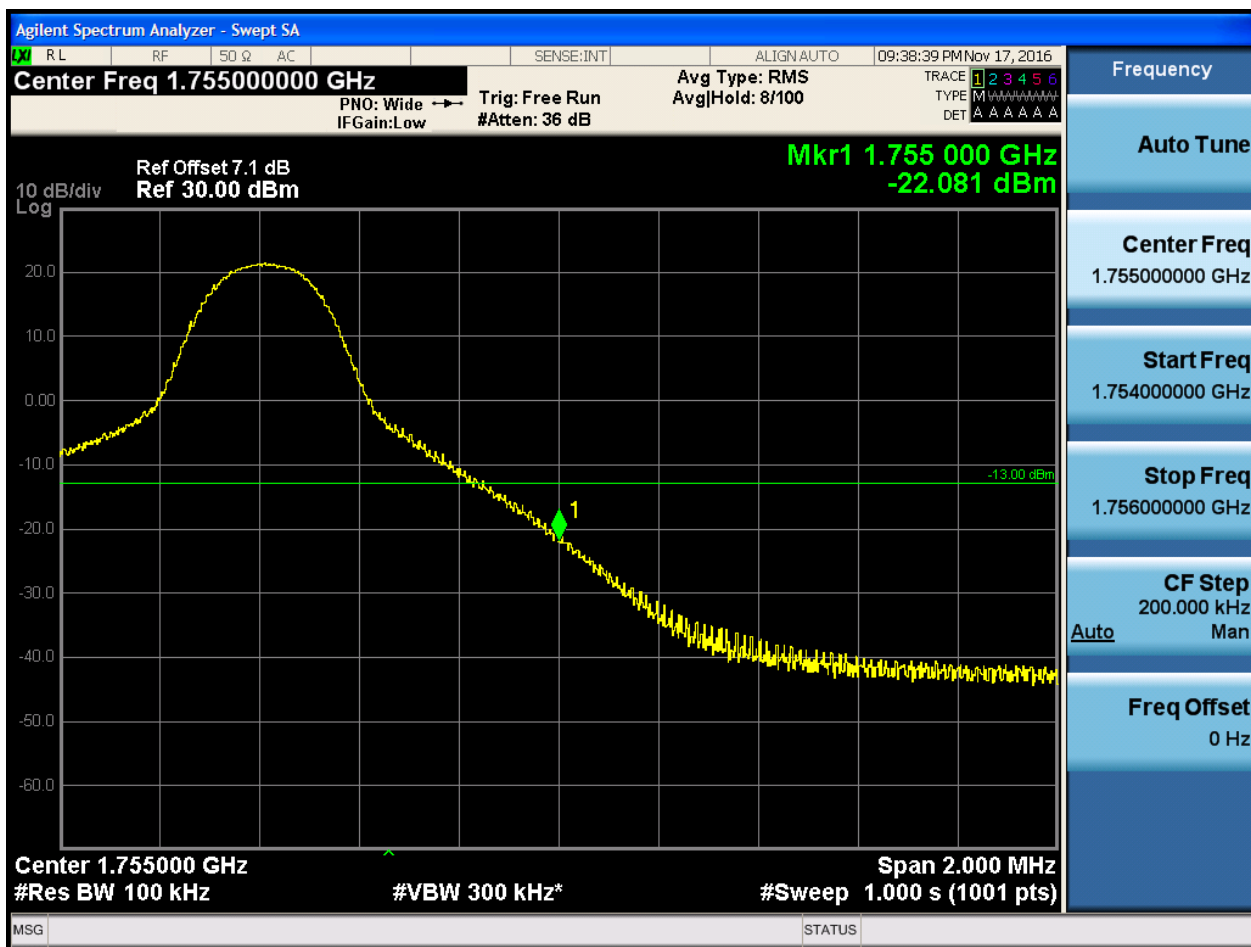
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:38:53 PM Nov 17, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 040 GHz
-28.548 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



5.1.1.1.4.2.4 Test RB = RB50#0

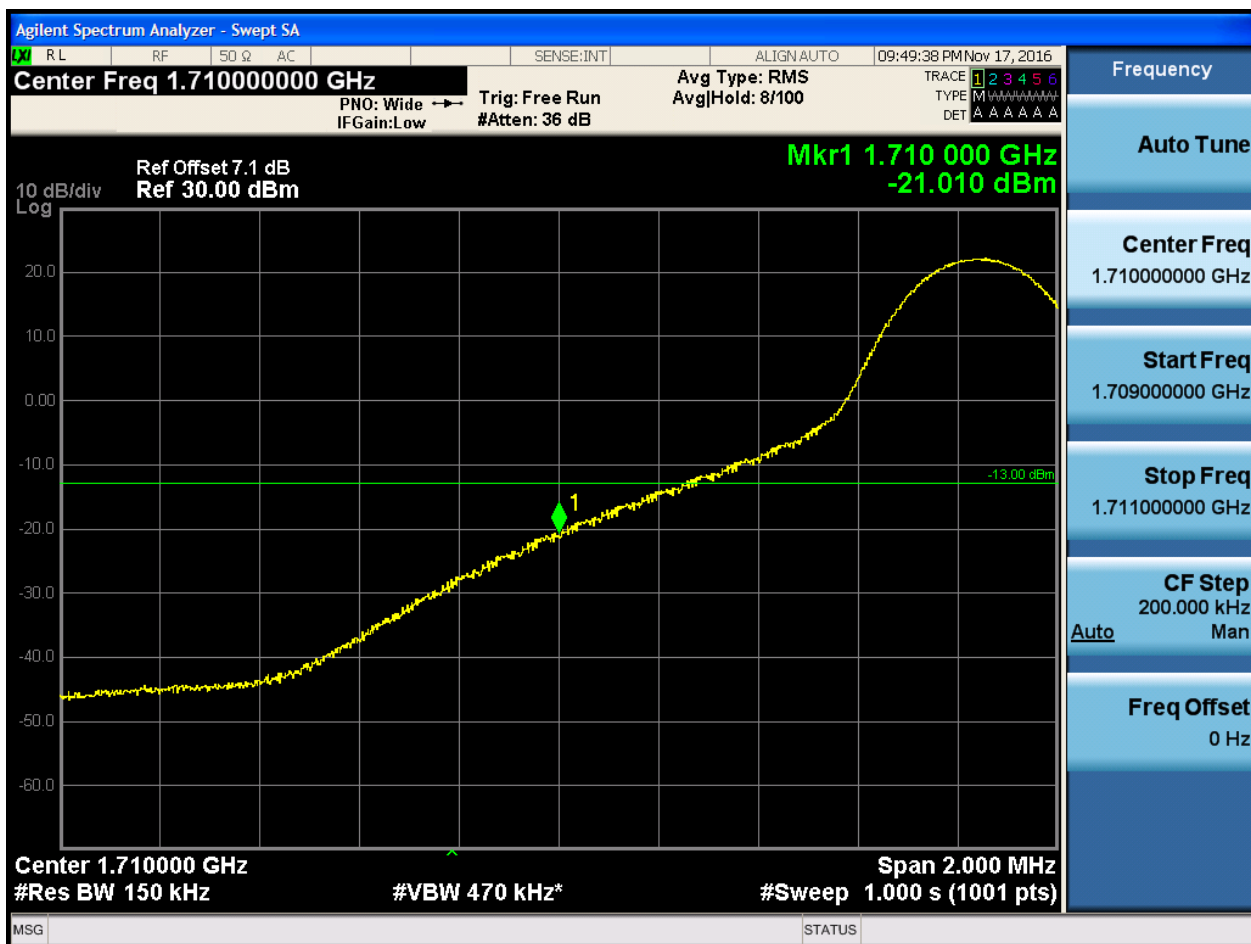




5.1.1.1.1 Test Bandwidth = 15

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#74





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:50:08 PM Nov 17, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 020 GHz
-32.635 dBm

10 dB/div
Log

-13.00 dBm

1

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

MSG STATUS

Frequency

Auto Tune

Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:50:22 PM Nov 17, 2016

Center Freq 1.710000000 GHz Avg Type: RMS Trg: Free Run
PNO: Wide IFGain:Low #Atten: 36 dB AvgHold: 8/100

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 930 GHz
-30.414 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



5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:50:57 PM Nov 17, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-20.263 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 09:51:11 PM Nov 17, 2016

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

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

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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 950 GHz
-29.162 dBm

-13.00 dBm

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 09:51:26 PM Nov 17, 2016

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

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

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 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 650 GHz
-26.397 dBm

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

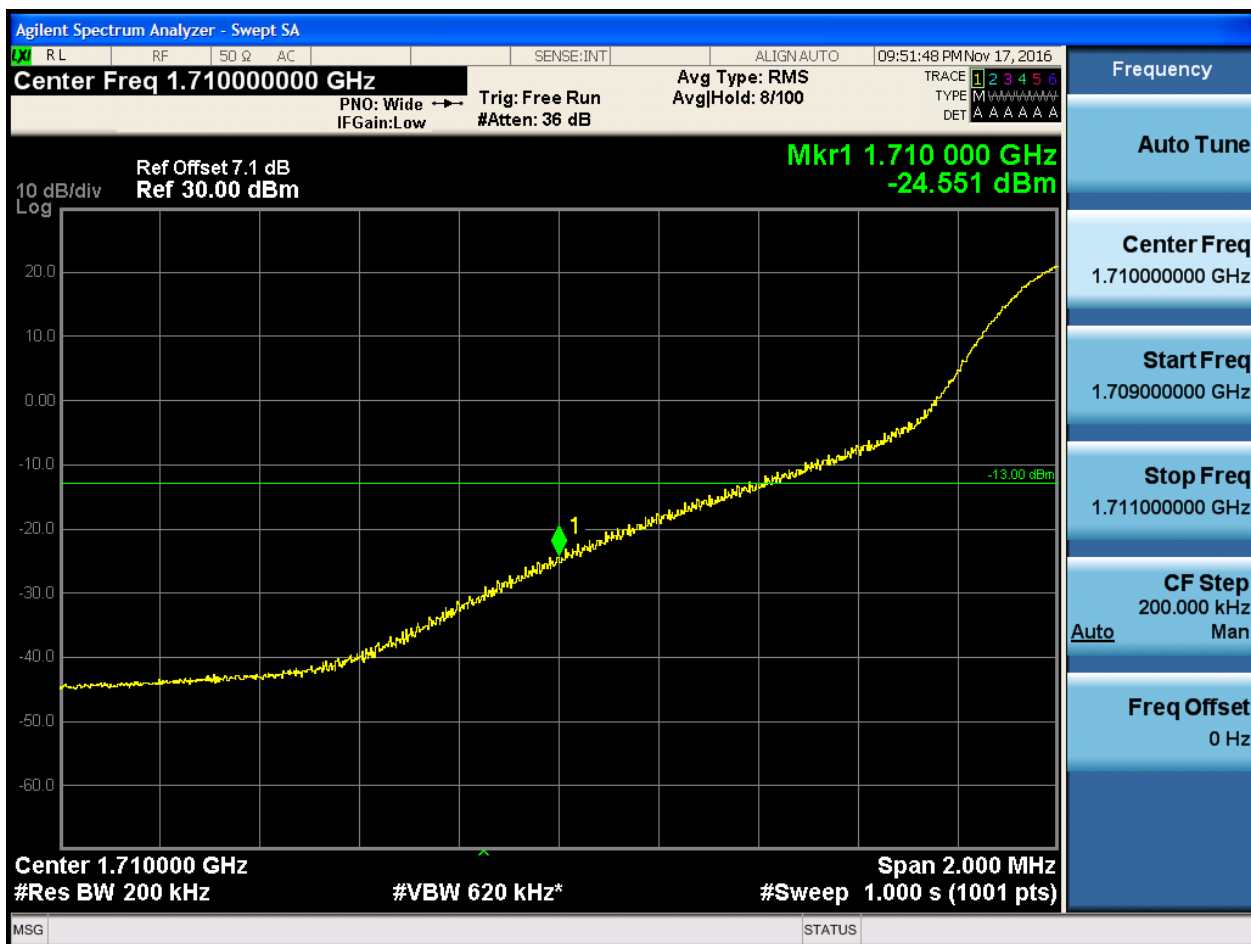
MSG STATUS



5.1.1.1.2 Test Bandwidth = 20

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#99





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:52:17 PM Nov 17, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 720 GHz
-32.652 dBm

10 dB/div
Log

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

MSG STATUS

Frequency

Auto Tune

Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

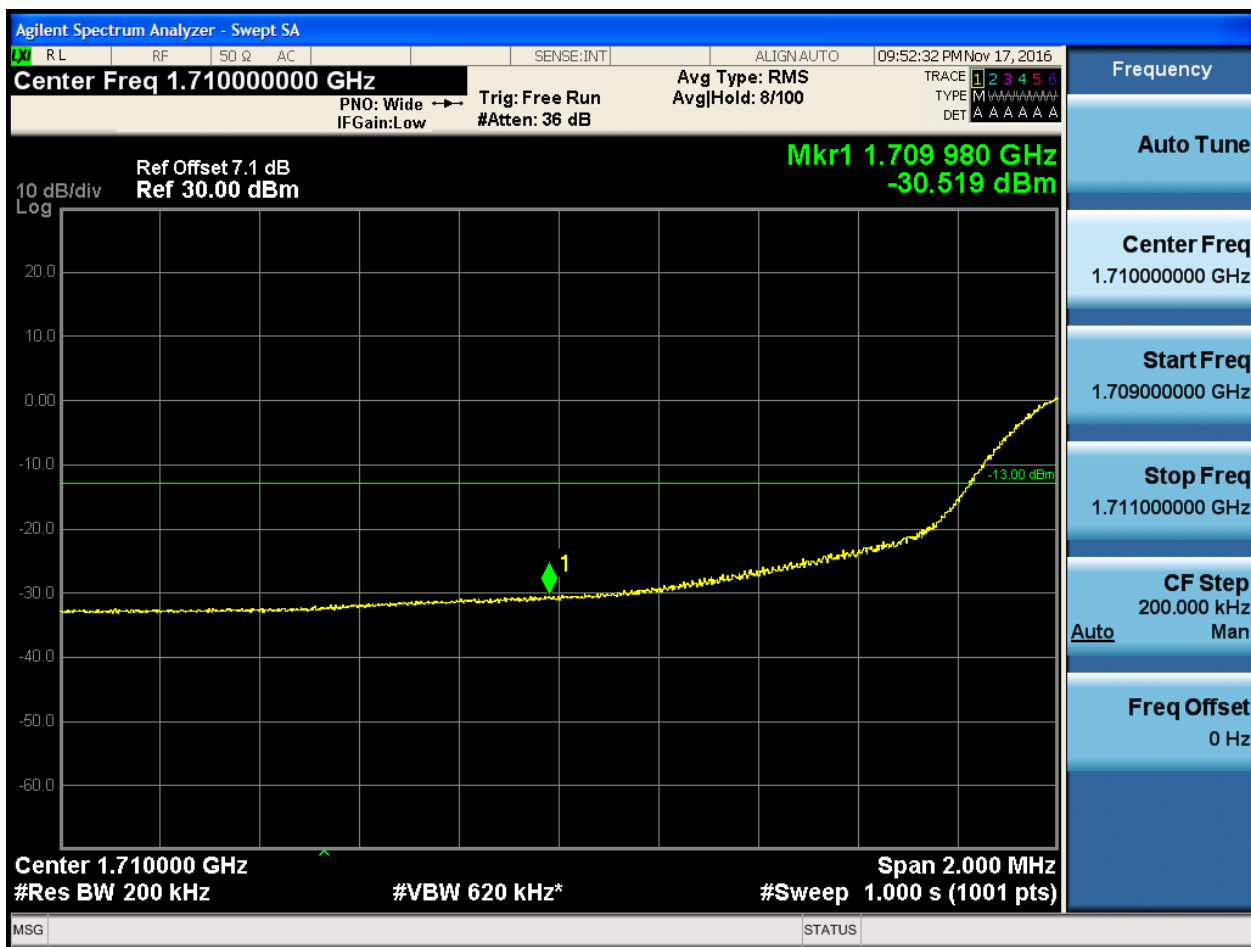
Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.2.1.4 Test RB = RB100#0



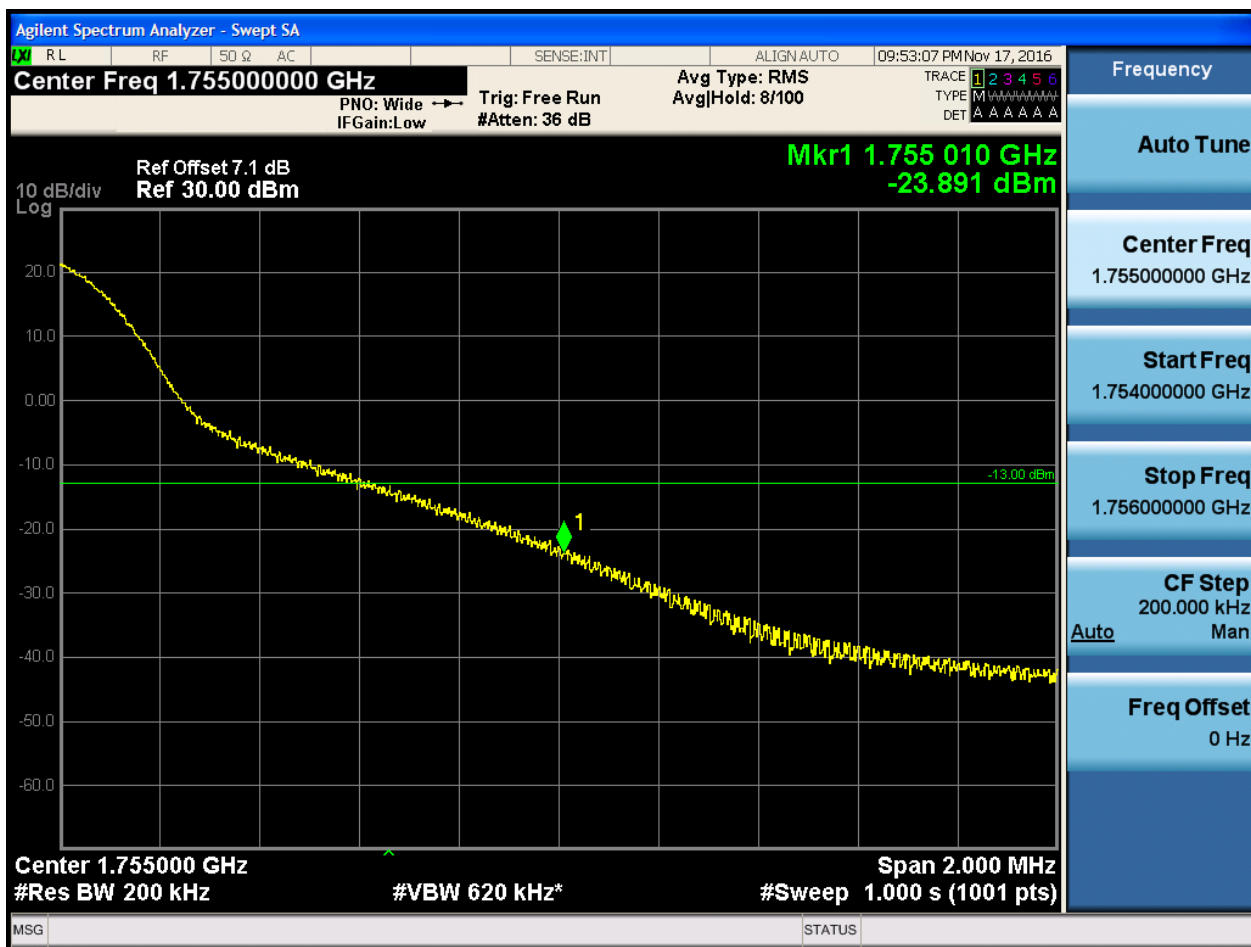


5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



5.1.1.1.2.2.2 Test RB = RB1#99





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 390 GHz
-31.043 dBm

Center 1.755000 GHz
#Res BW 200 kHz
#VBW 620 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

The image shows a screenshot of an Agilent Spectrum Analyzer in Swept SA mode. The main display is a log-scale plot of power spectral density (PSD) versus frequency. The y-axis is labeled '10 dB/div Log' and ranges from -60.0 to 20.0 dBm. The x-axis represents frequency, with a center frequency of 1.755000000 GHz and a span of 2.000 MHz. A yellow trace shows a relatively flat noise floor at approximately -31.043 dBm. A green horizontal line is drawn at -13.00 dBm. A green diamond marker labeled '1' is placed on the noise floor. The right side of the screen features a blue sidebar with various settings: 'Auto Tune', 'Center Freq' (1.755000000 GHz), 'Start Freq' (1.754000000 GHz), 'Stop Freq' (1.756000000 GHz), 'CF Step' (200.000 kHz, set to Auto), and 'Freq Offset' (0 Hz). The top of the screen displays the title 'Agilent Spectrum Analyzer - Swept SA', the center frequency, reference offset and power, and other parameters like 'PNO: Wide', 'IFGain: Low', 'Trig: Free Run', and '#Atten: 36 dB'. The bottom status bar shows 'MSG' and 'STATUS'.



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:53:36 PM Nov 17, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-28.737 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

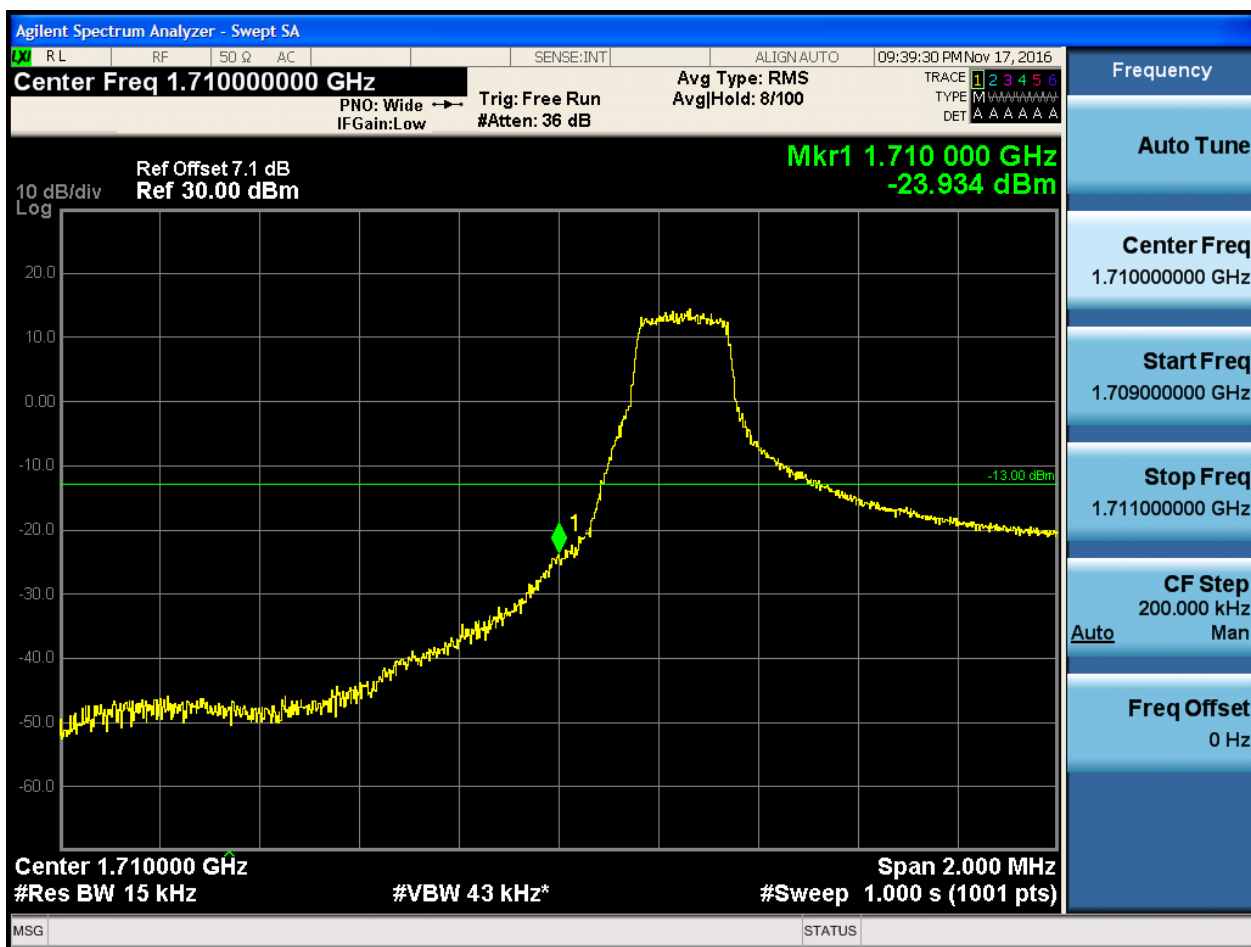


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

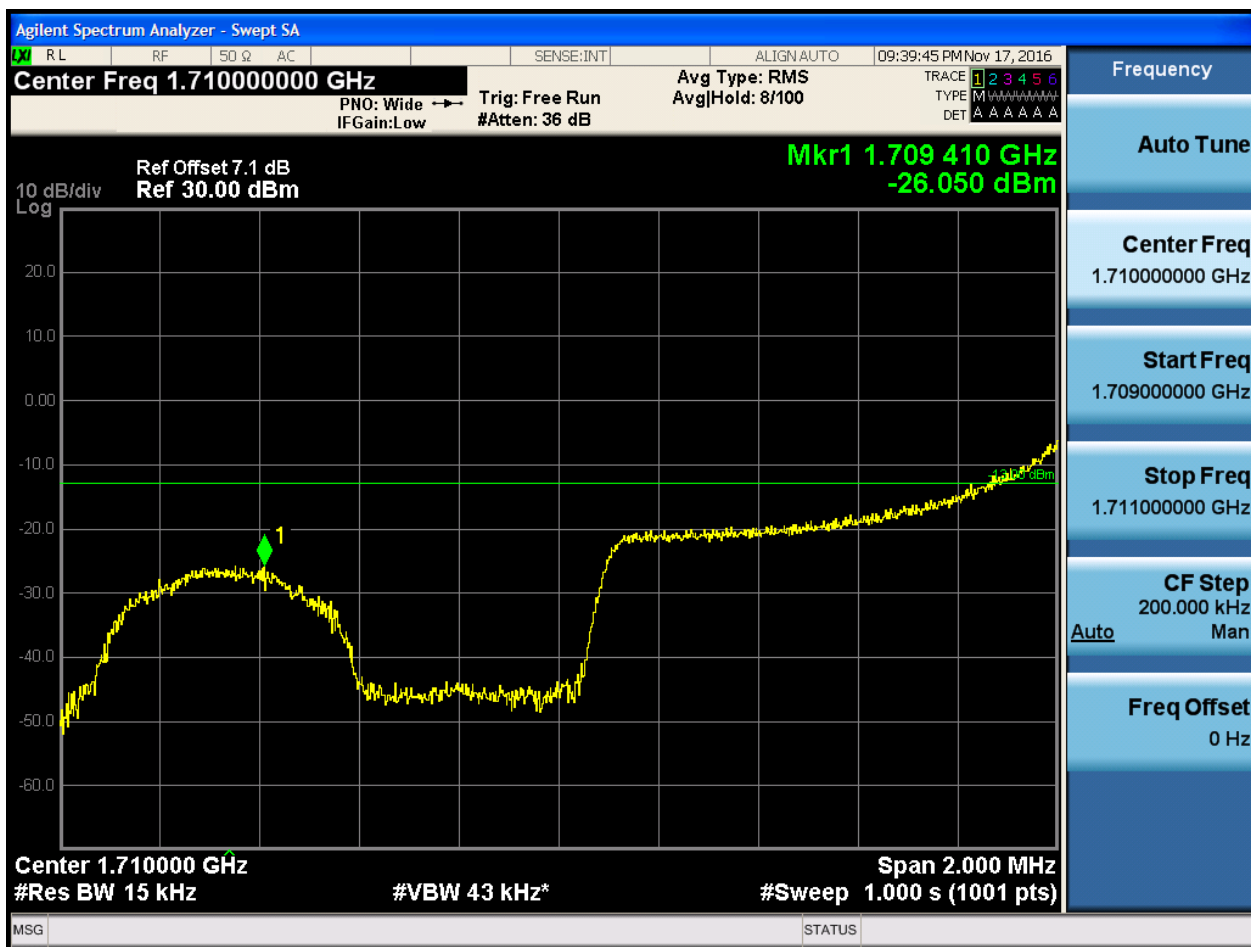
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:39:59 PM Nov 17, 2016

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 8/100
IFGain:Low #Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-29.417 dBm

10 dB/div
Log

-13.00 dBm

Center 1.710000 GHz
#Res BW 15 kHz

#VBW 43 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

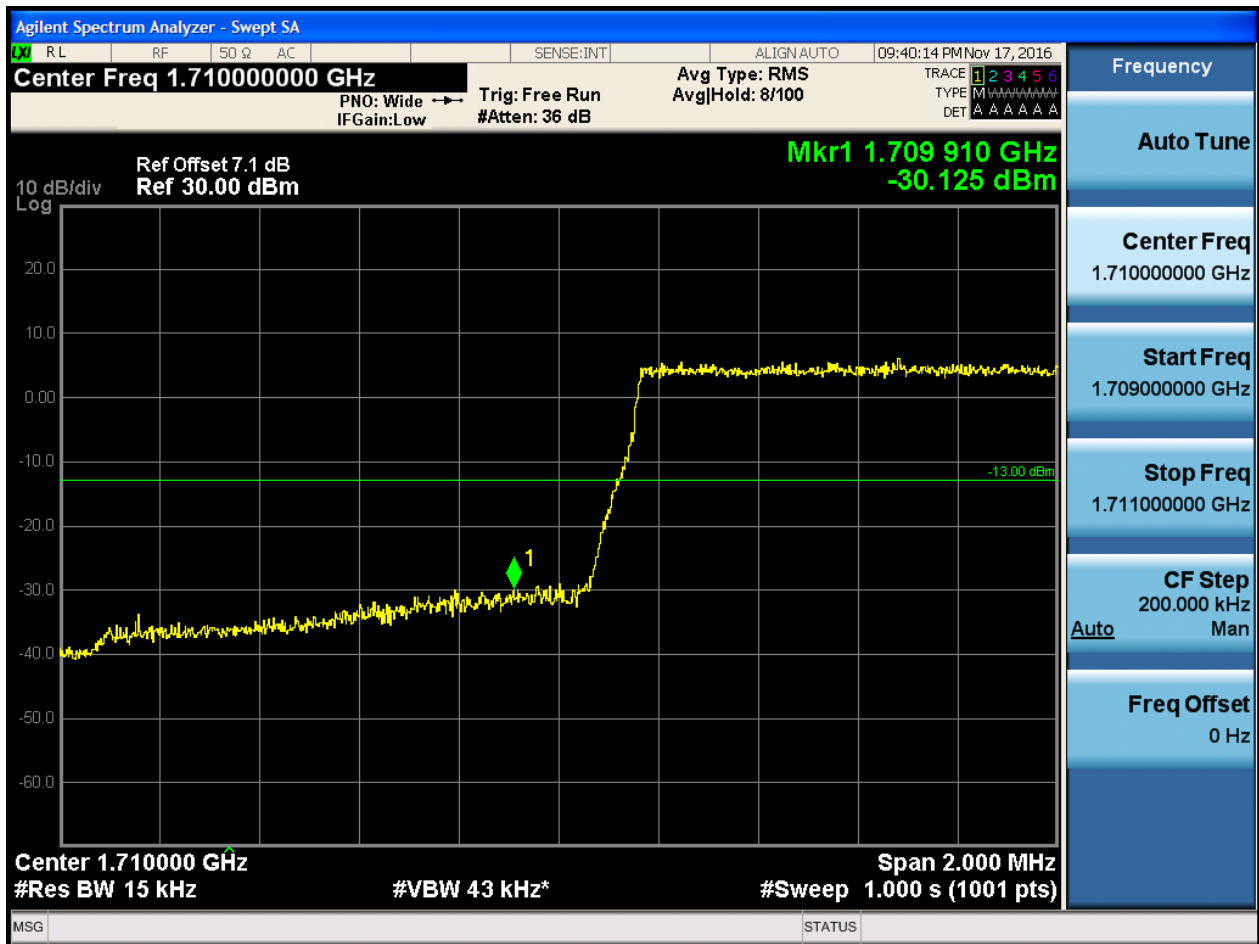
Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.2.1.1.4 Test RB = RB6#0





5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:40:48 PM Nov 17, 2016

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

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-20.714 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