



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	21.91	19.25	30	PASS
				RB1#3	21.91	19.25	30	PASS
				RB1#5	21.87	19.21	30	PASS
				RB3#0	21.92	19.26	30	PASS
				RB3#2	21.96	19.3	30	PASS
				RB3#3	22.14	19.48	30	PASS
				RB6#0	20.89	18.23	30	PASS
			MCH	RB1#0	22.11	19.45	30	PASS
				RB1#3	22.13	19.47	30	PASS
				RB1#5	22.1	19.44	30	PASS
				RB3#0	22.01	19.35	30	PASS
				RB3#2	22.05	19.39	30	PASS
				RB3#3	22.12	19.46	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB6#0	21.11	18.45	30	PASS
				RB1#0	22.24	19.58	30	PASS
				RB1#3	22.31	19.65	30	PASS
				RB1#5	22.26	19.6	30	PASS
				RB3#0	22.2	19.54	30	PASS
				RB3#2	22.22	19.56	30	PASS
				RB3#3	22.3	19.64	30	PASS
				RB6#0	21.17	18.51	30	PASS
		3	LCH	RB1#0	22.3	19.64	30	PASS
				RB1#7	22.34	19.68	30	PASS
				RB1#14	22.29	19.63	30	PASS
				RB8#0	21.12	18.46	30	PASS
				RB8#4	20.95	18.29	30	PASS
				RB8#7	21.15	18.49	30	PASS
				RB15#0	21.15	18.49	30	PASS
			MCH	RB1#0	22.27	19.61	30	PASS
				RB1#7	22.32	19.66	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.21	19.55	30	PASS
				RB8#0	21.13	18.47	30	PASS
				RB8#4	21.14	18.48	30	PASS
				RB8#7	21.13	18.47	30	PASS
				RB15#0	21.15	18.49	30	PASS
			HCH	RB1#0	22.35	19.69	30	PASS
				RB1#7	22.34	19.68	30	PASS
				RB1#14	22.35	19.69	30	PASS
				RB8#0	21.16	18.5	30	PASS
				RB8#4	21.14	18.48	30	PASS
				RB8#7	21.11	18.45	30	PASS
				RB15#0	21.15	18.49	30	PASS
		5	LCH	RB1#0	22.2	19.54	30	PASS
				RB1#13	22.05	19.39	30	PASS
				RB1#24	22.07	19.41	30	PASS
				RB12#0	21.09	18.43	30	PASS
				RB12#6	21.23	18.57	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.14	18.48	30	PASS
				RB25#0	21.13	18.47	30	PASS
			MCH	RB1#0	22.29	19.63	30	PASS
				RB1#13	22.27	19.61	30	PASS
				RB1#24	22.31	19.65	30	PASS
				RB12#0	21.14	18.48	30	PASS
				RB12#6	21.09	18.43	30	PASS
				RB12#13	21.16	18.5	30	PASS
				RB25#0	21.17	18.51	30	PASS
			HCH	RB1#0	22.16	19.5	30	PASS
				RB1#13	21.72	19.06	30	PASS
				RB1#24	21.86	19.2	30	PASS
				RB12#0	21.12	18.46	30	PASS
				RB12#6	21.14	18.48	30	PASS
				RB12#13	21.17	18.51	30	PASS
				RB25#0	21.09	18.43	30	PASS
		10	LCH	RB1#0	22.42	19.76	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.38	19.72	30	PASS
				RB1#49	22.31	19.65	30	PASS
				RB25#0	21.35	18.69	30	PASS
				RB25#13	21.32	18.66	30	PASS
				RB25#25	21.24	18.58	30	PASS
				RB50#0	21.2	18.54	30	PASS
			MCH	RB1#0	22.4	19.74	30	PASS
				RB1#25	22.49	19.83	30	PASS
				RB1#49	22.41	19.75	30	PASS
				RB25#0	21.21	18.55	30	PASS
				RB25#13	21.18	18.52	30	PASS
				RB25#25	21.28	18.62	30	PASS
				RB50#0	21.23	18.57	30	PASS
			HCH	RB1#0	22.39	19.73	30	PASS
				RB1#25	22.21	19.55	30	PASS
				RB1#49	22.42	19.76	30	PASS
				RB25#0	21.12	18.46	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.16	18.5	30	PASS
				RB25#25	21.18	18.52	30	PASS
				RB50#0	21.14	18.48	30	PASS
		15	LCH	RB1#0	22.39	19.73	30	PASS
				RB1#38	22.09	19.43	30	PASS
				RB1#74	22.26	19.6	30	PASS
				RB38#0	21.18	18.52	30	PASS
				RB38#19	21.12	18.46	30	PASS
				RB38#39	21.13	18.47	30	PASS
				RB75#0	21.11	18.45	30	PASS
			MCH	RB1#0	22.43	19.77	30	PASS
				RB1#38	22.31	19.65	30	PASS
				RB1#74	22.45	19.79	30	PASS
				RB38#0	21.13	18.47	30	PASS
				RB38#19	21.18	18.52	30	PASS
				RB38#39	21.25	18.59	30	PASS
				RB75#0	21.16	18.5	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.44	19.78	30	PASS
				RB1#38	22.23	19.57	30	PASS
				RB1#74	22.33	19.67	30	PASS
				RB38#0	21.14	18.48	30	PASS
				RB38#19	21.15	18.49	30	PASS
				RB38#39	21.13	18.47	30	PASS
				RB75#0	21.12	18.46	30	PASS
		20	LCH	RB1#0	22.38	19.72	30	PASS
				RB1#50	22.47	19.81	30	PASS
				RB1#99	22.16	19.5	30	PASS
				RB50#0	21.27	18.61	30	PASS
				RB50#25	21.25	18.59	30	PASS
				RB50#50	21.15	18.49	30	PASS
				RB100#0	21.15	18.49	30	PASS
			MCH	RB1#0	22.09	19.43	30	PASS
				RB1#50	22.21	19.55	30	PASS
				RB1#99	22.06	19.4	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.25	18.59	30	PASS
				RB50#25	21.31	18.65	30	PASS
				RB50#50	21.33	18.67	30	PASS
				RB100#0	21.22	18.56	30	PASS
			HCH	RB1#0	22.29	19.63	30	PASS
				RB1#50	22.34	19.68	30	PASS
				RB1#99	22.15	19.49	30	PASS
				RB50#0	21.26	18.6	30	PASS
	LTE/TM2	1.4	LCH	RB50#25	21.2	18.54	30	PASS
				RB50#50	21.14	18.48	30	PASS
				RB100#0	21.2	18.54	30	PASS
				RB1#0	21.77	19.11	30	PASS
				RB1#3	21.82	19.16	30	PASS
				RB1#5	21.8	19.14	30	PASS
				RB3#0	21.38	18.72	30	PASS
				RB3#2	21.44	18.78	30	PASS
				RB3#3	20.9	18.24	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	19.96	17.3	30	PASS
			MCH	RB1#0	21.56	18.9	30	PASS
				RB1#3	21.62	18.96	30	PASS
				RB1#5	21.69	19.03	30	PASS
				RB3#0	21.13	18.47	30	PASS
				RB3#2	21.17	18.51	30	PASS
				RB3#3	21.05	18.39	30	PASS
				RB6#0	20.01	17.35	30	PASS
			HCH	RB1#0	21.42	18.76	30	PASS
				RB1#3	21.61	18.95	30	PASS
				RB1#5	21.64	18.98	30	PASS
				RB3#0	21.27	18.61	30	PASS
				RB3#2	21.28	18.62	30	PASS
				RB3#3	21.17	18.51	30	PASS
				RB6#0	20.12	17.46	30	PASS
		3	LCH	RB1#0	21.25	18.59	30	PASS
				RB1#7	21.47	18.81	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.04	18.38	30	PASS
				RB8#0	19.91	17.25	30	PASS
				RB8#4	19.85	17.19	30	PASS
				RB8#7	19.95	17.29	30	PASS
				RB15#0	20.28	17.62	30	PASS
			MCH	RB1#0	21.45	18.79	30	PASS
				RB1#7	21.51	18.85	30	PASS
				RB1#14	21.44	18.78	30	PASS
				RB8#0	20.03	17.37	30	PASS
				RB8#4	19.96	17.3	30	PASS
				RB8#7	19.96	17.3	30	PASS
				RB15#0	20.1	17.44	30	PASS
			HCH	RB1#0	21.1	18.44	30	PASS
				RB1#7	21.32	18.66	30	PASS
				RB1#14	21.25	18.59	30	PASS
				RB8#0	20.09	17.43	30	PASS
				RB8#4	20.08	17.42	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	20.18	17.52	30	PASS
				RB15#0	20.14	17.48	30	PASS
		5	LCH	RB1#0	20.85	18.19	30	PASS
				RB1#13	20.83	18.17	30	PASS
				RB1#24	20.88	18.22	30	PASS
				RB12#0	19.82	17.16	30	PASS
				RB12#6	19.97	17.31	30	PASS
				RB12#13	19.98	17.32	30	PASS
				RB25#0	20.01	17.35	30	PASS
			MCH	RB1#0	20.85	18.19	30	PASS
				RB1#13	20.77	18.11	30	PASS
				RB1#24	20.82	18.16	30	PASS
				RB12#0	19.97	17.31	30	PASS
				RB12#6	19.93	17.27	30	PASS
				RB12#13	19.93	17.27	30	PASS
				RB25#0	20.12	17.46	30	PASS
			HCH	RB1#0	20.89	18.23	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	20.89	18.23	30	PASS
				RB1#24	21.03	18.37	30	PASS
				RB12#0	19.88	17.22	30	PASS
				RB12#6	19.89	17.23	30	PASS
				RB12#13	19.92	17.26	30	PASS
				RB25#0	20.25	17.59	30	PASS
		10	LCH	RB1#0	21.39	18.73	30	PASS
				RB1#25	21.56	18.9	30	PASS
				RB1#49	21.35	18.69	30	PASS
				RB25#0	20.17	17.51	30	PASS
				RB25#13	20.14	17.48	30	PASS
				RB25#25	20.02	17.36	30	PASS
				RB50#0	20.1	17.44	30	PASS
			MCH	RB1#0	21.52	18.86	30	PASS
				RB1#25	21.6	18.94	30	PASS
				RB1#49	21.43	18.77	30	PASS
				RB25#0	20.12	17.46	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.09	17.43	30	PASS
				RB25#25	20.07	17.41	30	PASS
				RB50#0	20.17	17.51	30	PASS
			HCH	RB1#0	21.44	18.78	30	PASS
				RB1#25	21.44	18.78	30	PASS
				RB1#49	21.32	18.66	30	PASS
				RB25#0	20.04	17.38	30	PASS
				RB25#13	20.03	17.37	30	PASS
				RB25#25	20.05	17.39	30	PASS
				RB50#0	20.1	17.44	30	PASS
		15	LCH	RB1#0	21.14	18.48	30	PASS
				RB1#38	21.03	18.37	30	PASS
				RB1#74	21.24	18.58	30	PASS
				RB38#0	20.25	17.59	30	PASS
				RB38#19	20.18	17.52	30	PASS
				RB38#39	20.19	17.53	30	PASS
				RB75#0	20.17	17.51	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.23	18.57	30	PASS
				RB1#38	21.17	18.51	30	PASS
				RB1#74	21.26	18.6	30	PASS
				RB38#0	20.3	17.64	30	PASS
				RB38#19	20.33	17.67	30	PASS
				RB38#39	20.39	17.73	30	PASS
				RB75#0	20.31	17.65	30	PASS
			HCH	RB1#0	21.29	18.63	30	PASS
				RB1#38	21	18.34	30	PASS
				RB1#74	21.06	18.4	30	PASS
				RB38#0	20.35	17.69	30	PASS
				RB38#19	20.36	17.7	30	PASS
				RB38#39	20.36	17.7	30	PASS
				RB75#0	20.32	17.66	30	PASS
		20	LCH	RB1#0	21.55	18.89	30	PASS
				RB1#50	21.66	19	30	PASS
				RB1#99	21.37	18.71	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.3	17.64	30	PASS
				RB50#25	20.26	17.6	30	PASS
				RB50#50	20.3	17.64	30	PASS
				RB100#0	20.2	17.54	30	PASS
			MCH	RB1#0	21.38	18.72	30	PASS
				RB1#50	21.43	18.77	30	PASS
				RB1#99	21.3	18.64	30	PASS
				RB50#0	20.37	17.71	30	PASS
				RB50#25	20.44	17.78	30	PASS
				RB50#50	20.36	17.7	30	PASS
				RB100#0	20.27	17.61	30	PASS
			HCH	RB1#0	21.52	18.86	30	PASS
				RB1#50	21.71	19.05	30	PASS
				RB1#99	21.43	18.77	30	PASS
				RB50#0	20.4	17.74	30	PASS
				RB50#25	20.34	17.68	30	PASS
				RB50#50	20.18	17.52	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	20.15	17.49	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

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	3.26	13	PASS
				RB1#3	3.17	13	PASS
				RB1#5	3.23	13	PASS
				RB3#0	3.74	13	PASS
				RB3#2	3.54	13	PASS
				RB3#3	3.65	13	PASS
				RB6#0	5.1	13	PASS
			MCH	RB1#0	3.46	13	PASS
				RB1#3	3.35	13	PASS
				RB1#5	3.41	13	PASS
				RB3#0	3.93	13	PASS
				RB3#2	3.78	13	PASS
				RB3#3	3.9	13	PASS
				RB6#0	5.19	13	PASS
			HCH	RB1#0	3.24	13	PASS
				RB1#3	3.17	13	PASS
				RB1#5	3.2	13	PASS
				RB3#0	3.69	13	PASS
				RB3#2	3.51	13	PASS
				RB3#3	3.68	13	PASS
				RB6#0	4.72	13	PASS
		3	LCH	RB1#0	3.33	13	PASS
				RB1#7	3.27	13	PASS
				RB1#14	3.3	13	PASS
				RB8#0	4.3	13	PASS
				RB8#4	4.24	13	PASS
				RB8#7	4.36	13	PASS
				RB15#0	4.98	13	PASS
			MCH	RB1#0	3.49	13	PASS
				RB1#7	3.46	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	3.52	13	PASS
				RB8#0	4.51	13	PASS
				RB8#4	4.41	13	PASS
				RB8#7	4.55	13	PASS
				RB15#0	5.04	13	PASS
			HCH	RB1#0	3.31	13	PASS
				RB1#7	3.13	13	PASS
				RB1#14	3.18	13	PASS
				RB8#0	4.36	13	PASS
				RB8#4	4.23	13	PASS
				RB8#7	4.33	13	PASS
				RB15#0	4.91	13	PASS
		5	LCH	RB1#0	3.47	13	PASS
				RB1#13	3.38	13	PASS
				RB1#24	3.48	13	PASS
				RB12#0	4.22	13	PASS
				RB12#6	4.09	13	PASS
				RB12#13	4.21	13	PASS
				RB25#0	4.75	13	PASS
			MCH	RB1#0	3.51	13	PASS
				RB1#13	3.48	13	PASS
				RB1#24	3.45	13	PASS
				RB12#0	4.38	13	PASS
				RB12#6	4.3	13	PASS
				RB12#13	4.35	13	PASS
				RB25#0	4.92	13	PASS
			HCH	RB1#0	3.45	13	PASS
				RB1#13	3.29	13	PASS
				RB1#24	3.18	13	PASS
				RB12#0	4.18	13	PASS
				RB12#6	4.11	13	PASS
				RB12#13	4.18	13	PASS
				RB25#0	4.73	13	PASS
		10	LCH	RB1#0	3.24	13	PASS
				RB1#25	3.28	13	PASS
				RB1#49	3.36	13	PASS
				RB25#0	4.15	13	PASS
				RB25#13	4.22	13	PASS
				RB25#25	4.4	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.12	13	PASS
				RB1#0	3.5	13	PASS
			MCH	RB1#25	3.41	13	PASS
				RB1#49	3.35	13	PASS
				RB25#0	4.38	13	PASS
				RB25#13	4.29	13	PASS
				RB25#25	4.39	13	PASS
				RB50#0	5.51	13	PASS
			HCH	RB1#0	3.37	13	PASS
				RB1#25	3.37	13	PASS
				RB1#49	3.26	13	PASS
				RB25#0	4.23	13	PASS
				RB25#13	4.2	13	PASS
				RB25#25	4.24	13	PASS
				RB50#0	4.76	13	PASS
		15	LCH	RB1#0	3.26	13	PASS
				RB1#38	3.41	13	PASS
				RB1#74	3.62	13	PASS
				RB38#0	4.29	13	PASS
				RB38#19	4.33	13	PASS
				RB38#39	4.54	13	PASS
				RB75#0	5.37	13	PASS
			MCH	RB1#0	3.52	13	PASS
				RB1#38	3.57	13	PASS
				RB1#74	3.48	13	PASS
				RB38#0	4.44	13	PASS
				RB38#19	4.35	13	PASS
				RB38#39	4.47	13	PASS
				RB75#0	5.38	13	PASS
			HCH	RB1#0	3.4	13	PASS
				RB1#38	3.44	13	PASS
				RB1#74	3.3	13	PASS
				RB38#0	4.36	13	PASS
				RB38#19	4.26	13	PASS
				RB38#39	4.33	13	PASS
				RB75#0	5.3	13	PASS
		20	LCH	RB1#0	3.36	13	PASS
				RB1#50	3.64	13	PASS
				RB1#99	3.69	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	4.33	13	PASS
				RB50#25	4.38	13	PASS
				RB50#50	4.54	13	PASS
				RB100#0	5.37	13	PASS
			MCH	RB1#0	3.43	13	PASS
				RB1#50	3.53	13	PASS
				RB1#99	3.54	13	PASS
				RB50#0	4.43	13	PASS
				RB50#25	4.39	13	PASS
				RB50#50	4.43	13	PASS
				RB100#0	4.87	13	PASS
			HCH	RB1#0	3.45	13	PASS
				RB1#50	3.36	13	PASS
				RB1#99	3.36	13	PASS
				RB50#0	4.35	13	PASS
				RB50#25	4.28	13	PASS
				RB50#50	4.38	13	PASS
				RB100#0	4.94	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.05	13	PASS
				RB1#3	3.96	13	PASS
				RB1#5	4.04	13	PASS
				RB3#0	4.38	13	PASS
				RB3#2	4.26	13	PASS
				RB3#3	4.39	13	PASS
				RB6#0	5.42	13	PASS
			MCH	RB1#0	4.21	13	PASS
				RB1#3	4.11	13	PASS
				RB1#5	4.12	13	PASS
				RB3#0	4.66	13	PASS
				RB3#2	4.51	13	PASS
				RB3#3	4.62	13	PASS
				RB6#0	5.43	13	PASS
			HCH	RB1#0	3.85	13	PASS
				RB1#3	3.74	13	PASS
				RB1#5	3.79	13	PASS
				RB3#0	4.32	13	PASS
				RB3#2	4.17	13	PASS
				RB3#3	4.29	13	PASS
				RB6#0	5.21	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3	LCH	RB1#0	4.24	13	PASS
				RB1#7	3.95	13	PASS
				RB1#14	4.19	13	PASS
				RB8#0	5.14	13	PASS
				RB8#4	5.07	13	PASS
				RB8#7	5.11	13	PASS
				RB15#0	5.81	13	PASS
			MCH	RB1#0	4.29	13	PASS
				RB1#7	4.28	13	PASS
				RB1#14	4.38	13	PASS
				RB8#0	5.33	13	PASS
				RB8#4	5.22	13	PASS
				RB8#7	5.23	13	PASS
				RB15#0	5.91	13	PASS
			HCH	RB1#0	4.17	13	PASS
				RB1#7	3.89	13	PASS
				RB1#14	4.03	13	PASS
				RB8#0	5.16	13	PASS
				RB8#4	5.09	13	PASS
				RB8#7	5.11	13	PASS
				RB15#0	5.85	13	PASS
		5	LCH	RB1#0	4.42	13	PASS
				RB1#13	4.51	13	PASS
				RB1#24	4.63	13	PASS
				RB12#0	5.09	13	PASS
				RB12#6	5.02	13	PASS
				RB12#13	5.16	13	PASS
				RB25#0	5.86	13	PASS
			MCH	RB1#0	4.59	13	PASS
				RB1#13	4.55	13	PASS
				RB1#24	4.57	13	PASS
				RB12#0	5.37	13	PASS
				RB12#6	5.25	13	PASS
				RB12#13	5.3	13	PASS
				RB25#0	5.76	13	PASS
			HCH	RB1#0	4.42	13	PASS
				RB1#13	4.53	13	PASS
				RB1#24	4.5	13	PASS
				RB12#0	5.15	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB12#6	5.04	13	PASS
				RB12#13	5.09	13	PASS
				RB25#0	5.71	13	PASS
			LCH	RB1#0	4.26	13	PASS
				RB1#25	4.04	13	PASS
				RB1#49	4.26	13	PASS
				RB25#0	5.18	13	PASS
				RB25#13	5.15	13	PASS
				RB25#25	5.3	13	PASS
				RB50#0	5.76	13	PASS
			MCH	RB1#0	4.55	13	PASS
				RB1#25	4.32	13	PASS
				RB1#49	4.15	13	PASS
				RB25#0	5.34	13	PASS
				RB25#13	5.23	13	PASS
				RB25#25	5.29	13	PASS
				RB50#0	6.18	13	PASS
			HCH	RB1#0	4.38	13	PASS
				RB1#25	4.17	13	PASS
				RB1#49	3.86	13	PASS
				RB25#0	5.2	13	PASS
				RB25#13	5.07	13	PASS
				RB25#25	5.15	13	PASS
				RB50#0	5.68	13	PASS
		15	LCH	RB1#0	4.16	13	PASS
				RB1#38	4.4	13	PASS
				RB1#74	4.41	13	PASS
				RB38#0	5.19	13	PASS
				RB38#19	5.23	13	PASS
				RB38#39	5.44	13	PASS
				RB75#0	6.09	13	PASS
			MCH	RB1#0	4.36	13	PASS
				RB1#38	4.32	13	PASS
				RB1#74	4.23	13	PASS
				RB38#0	5.38	13	PASS
				RB38#19	5.26	13	PASS
				RB38#39	5.37	13	PASS
				RB75#0	6.03	13	PASS
			HCH	RB1#0	4.49	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#38	4.32	13	PASS
				RB1#74	4.1	13	PASS
				RB38#0	5.31	13	PASS
				RB38#19	5.19	13	PASS
				RB38#39	5.3	13	PASS
				RB75#0	5.96	13	PASS
		20	LCH	RB1#0	3.77	13	PASS
				RB1#50	4.31	13	PASS
				RB1#99	4.42	13	PASS
				RB50#0	5.25	13	PASS
				RB50#25	5.22	13	PASS
				RB50#50	5.4	13	PASS
				RB100#0	5.99	13	PASS
			MCH	RB1#0	4.26	13	PASS
				RB1#50	4.24	13	PASS
				RB1#99	4.24	13	PASS
				RB50#0	5.36	13	PASS
				RB50#25	5.3	13	PASS
				RB50#50	5.34	13	PASS
				RB100#0	6.03	13	PASS
			HCH	RB1#0	4.18	13	PASS
				RB1#50	4.18	13	PASS
				RB1#99	4.13	13	PASS
				RB50#0	5.27	13	PASS
				RB50#25	5.22	13	PASS
				RB50#50	5.3	13	PASS
				RB100#0	5.95	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

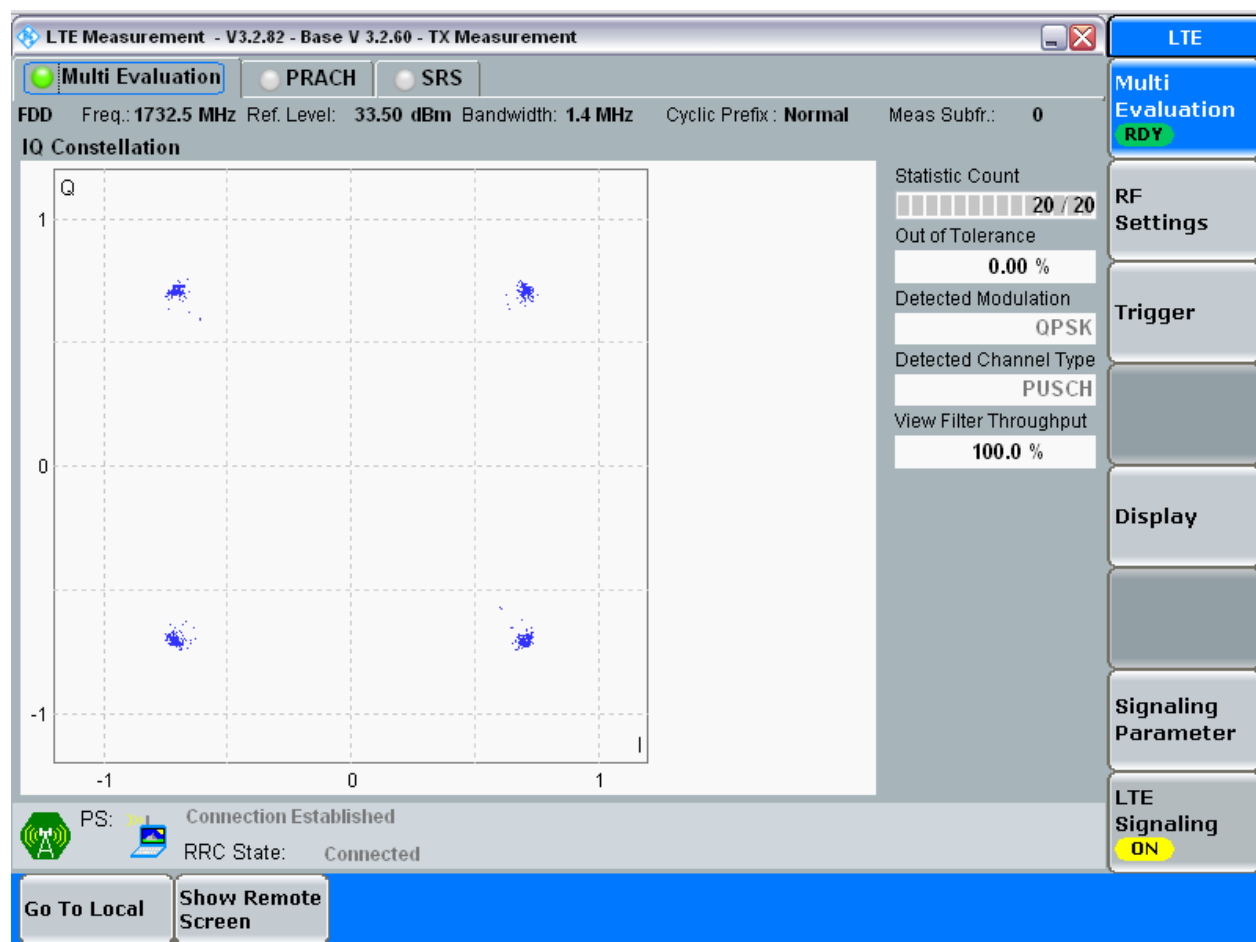
3.1.1 Test Band = BAND4

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

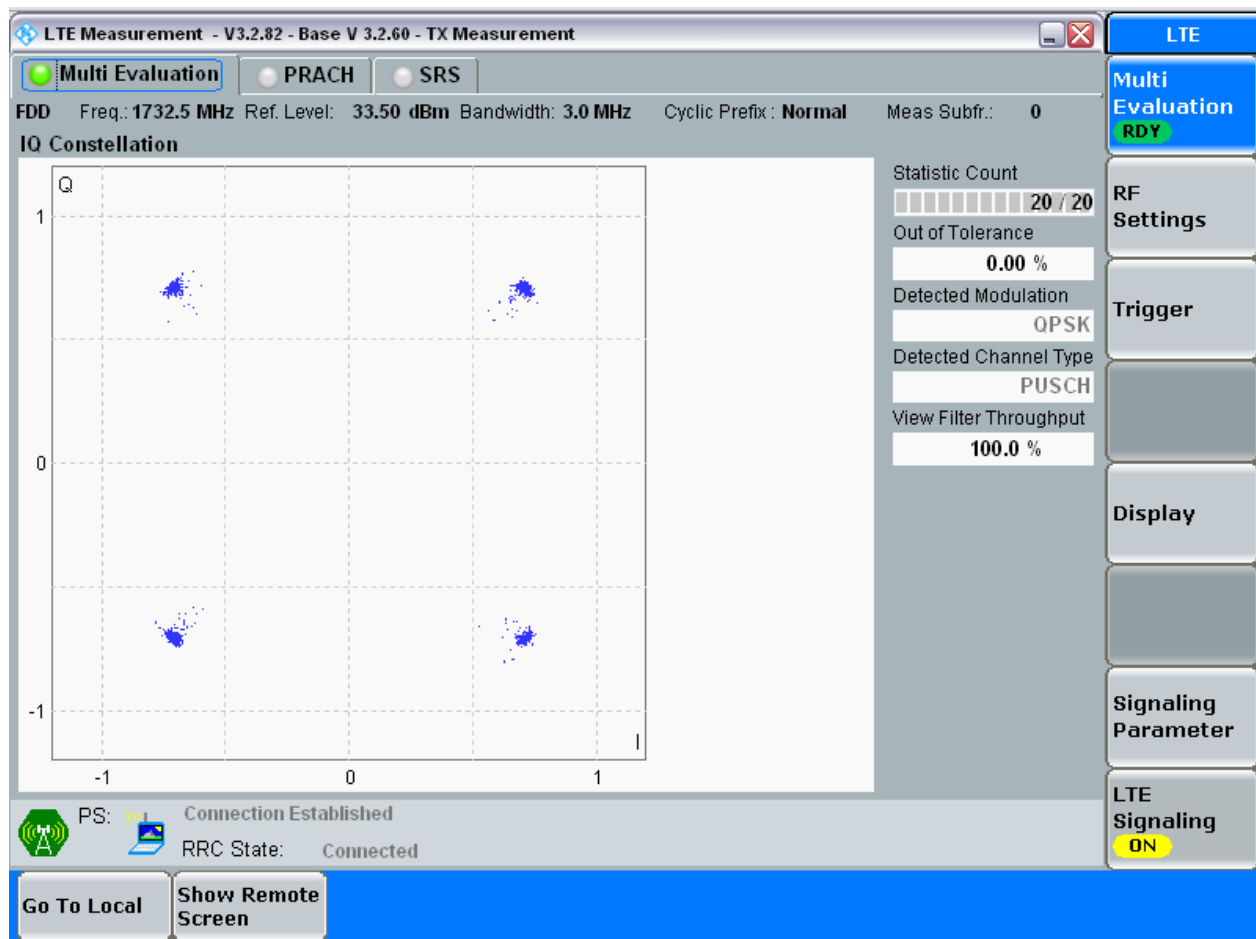
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

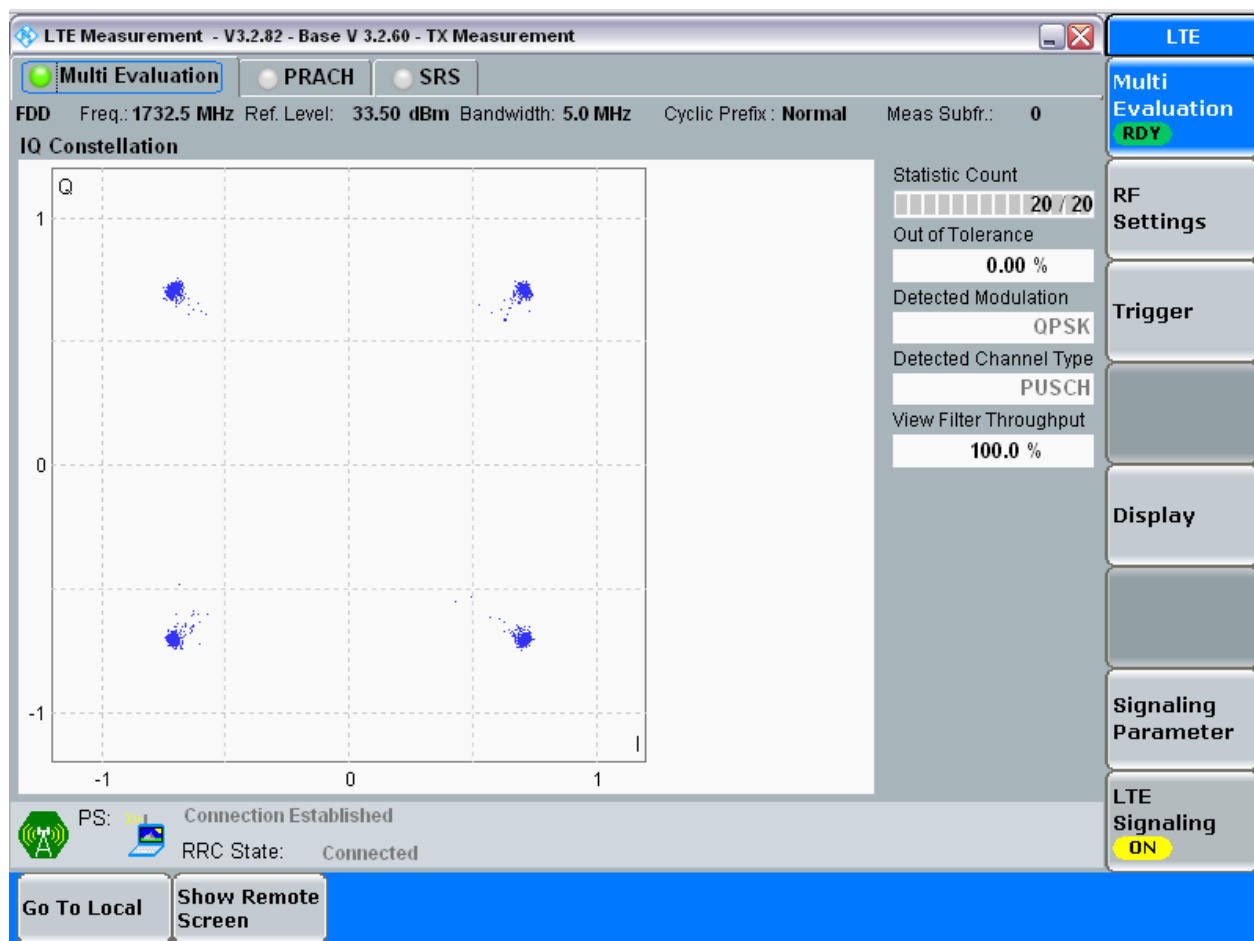
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

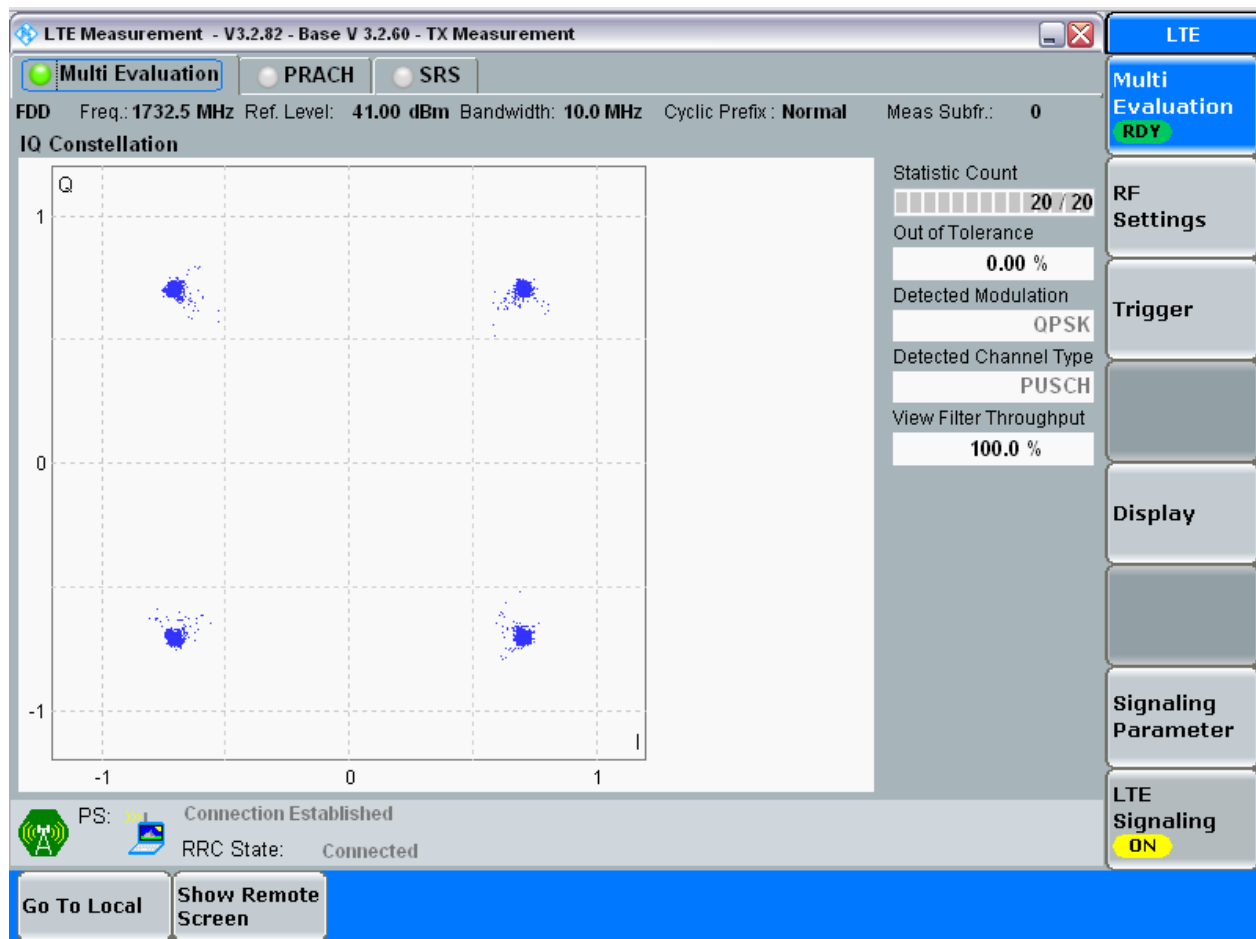
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

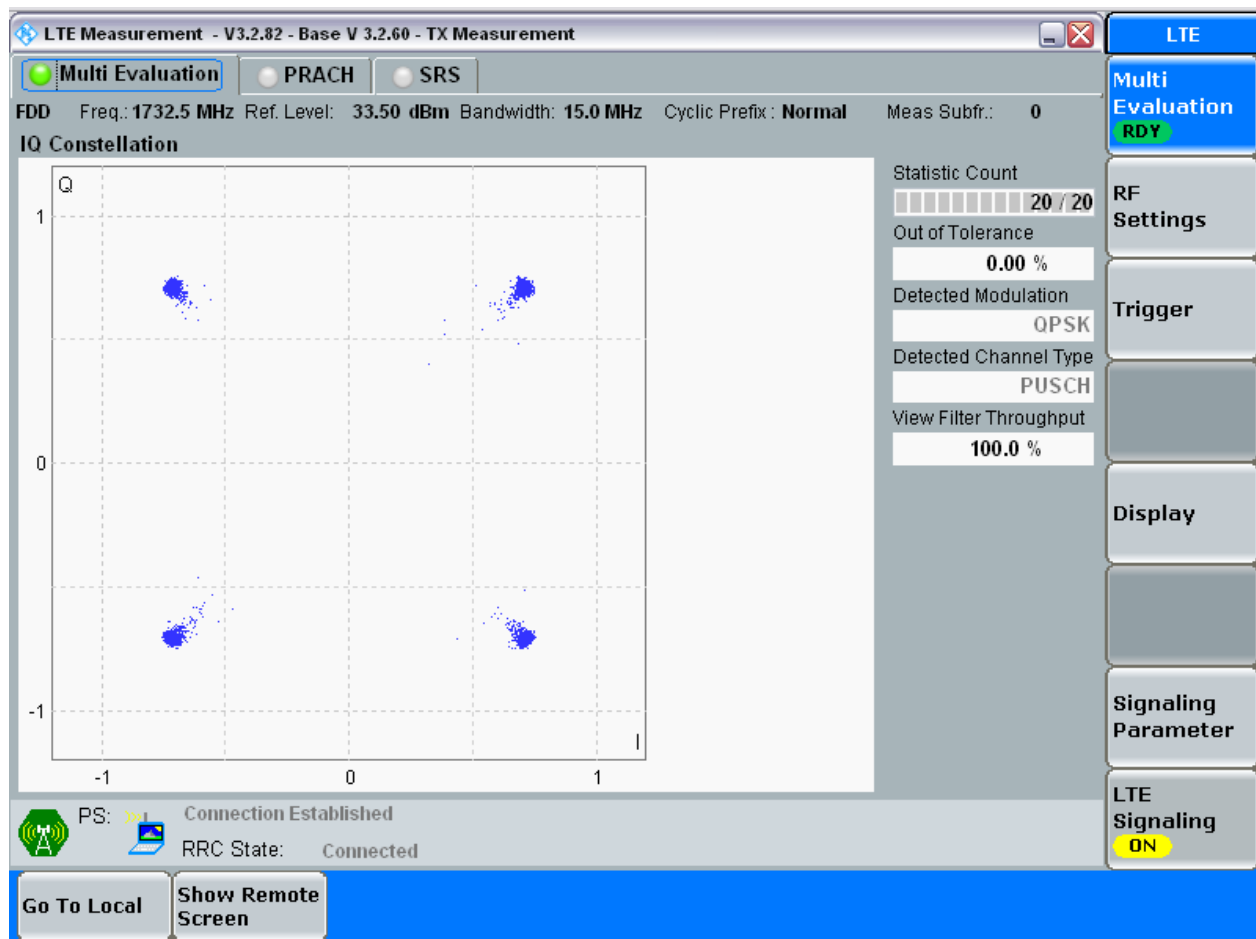
3.1.2.1.4.1.1 Test RB = RB50#0



3.1.2.1.5 Test Bandwidth = 15

3.1.2.1.5.1 Test Channel = MCH

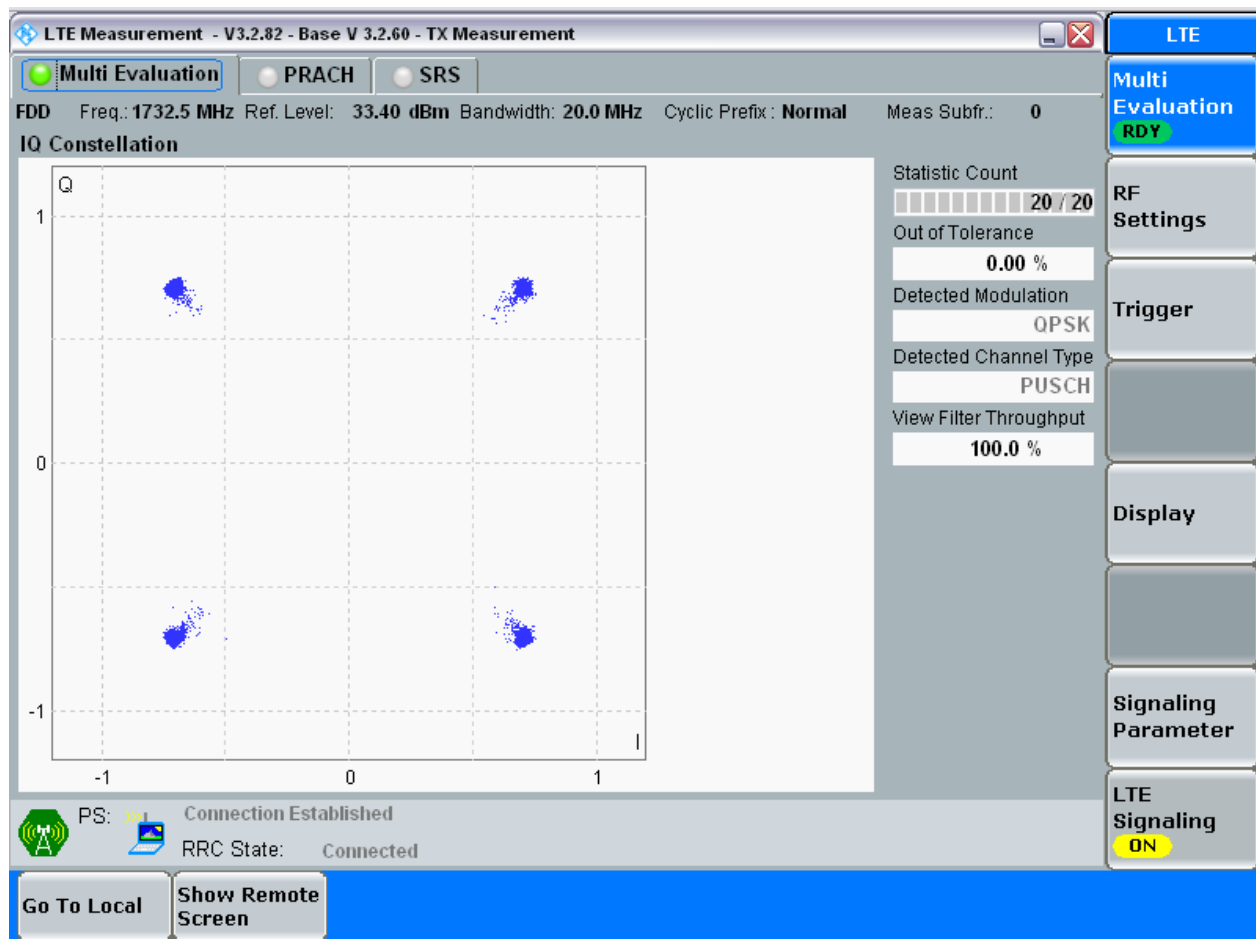
3.1.2.1.5.1.1 Test RB = RB75#0



3.1.2.1.6 Test Bandwidth = 20

3.1.2.1.6.1 Test Channel = MCH

3.1.2.1.6.1.1 Test RB = RB100#0

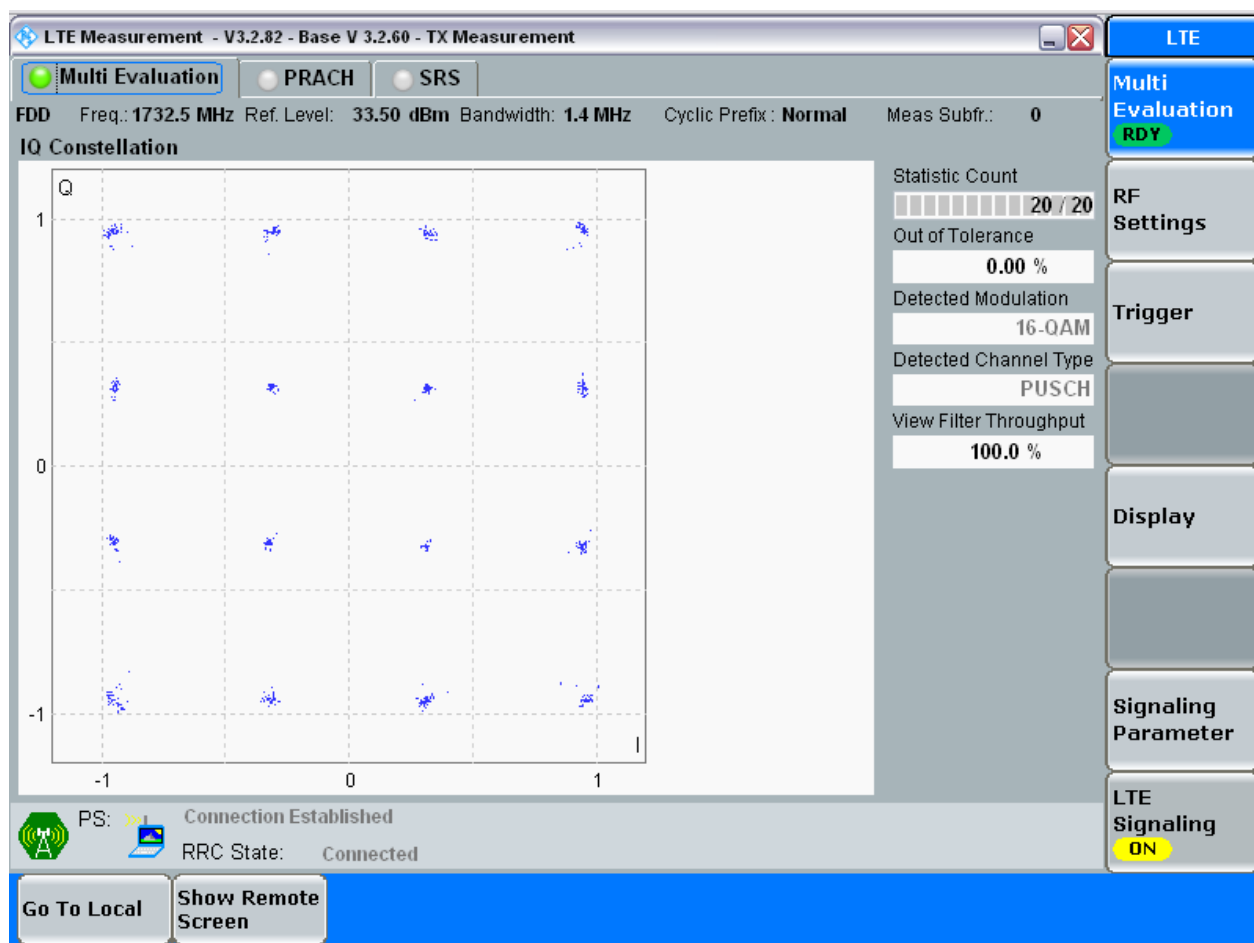


3.1.2.2 Test Mode = LTE/TM2

3.1.2.2.1 Test Bandwidth = 1.4

3.1.2.2.1.1 Test Channel = MCH

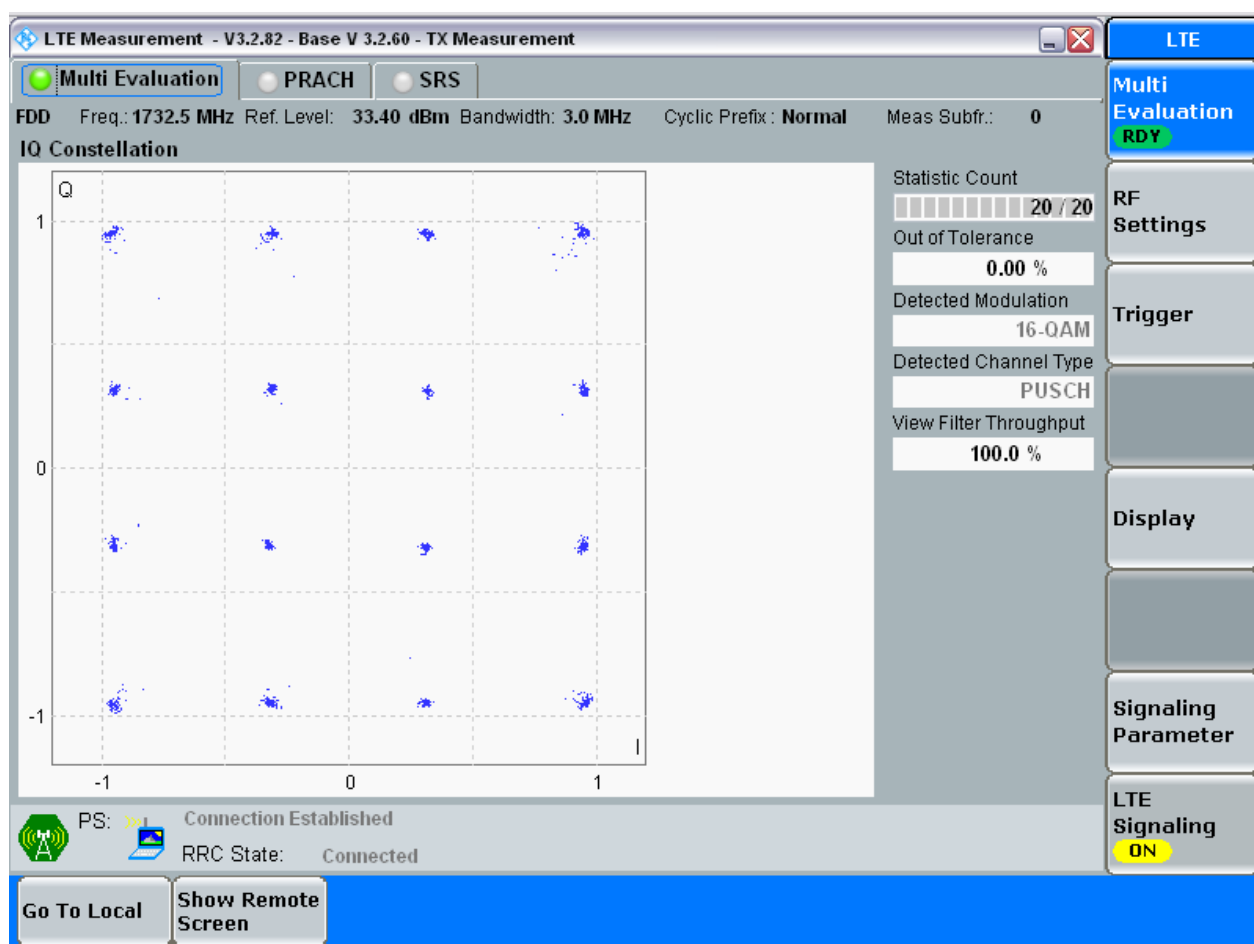
3.1.2.2.1.1.1 Test RB = RB6#0



3.1.2.2.2 Test Bandwidth = 3

3.1.2.2.2.1 Test Channel = MCH

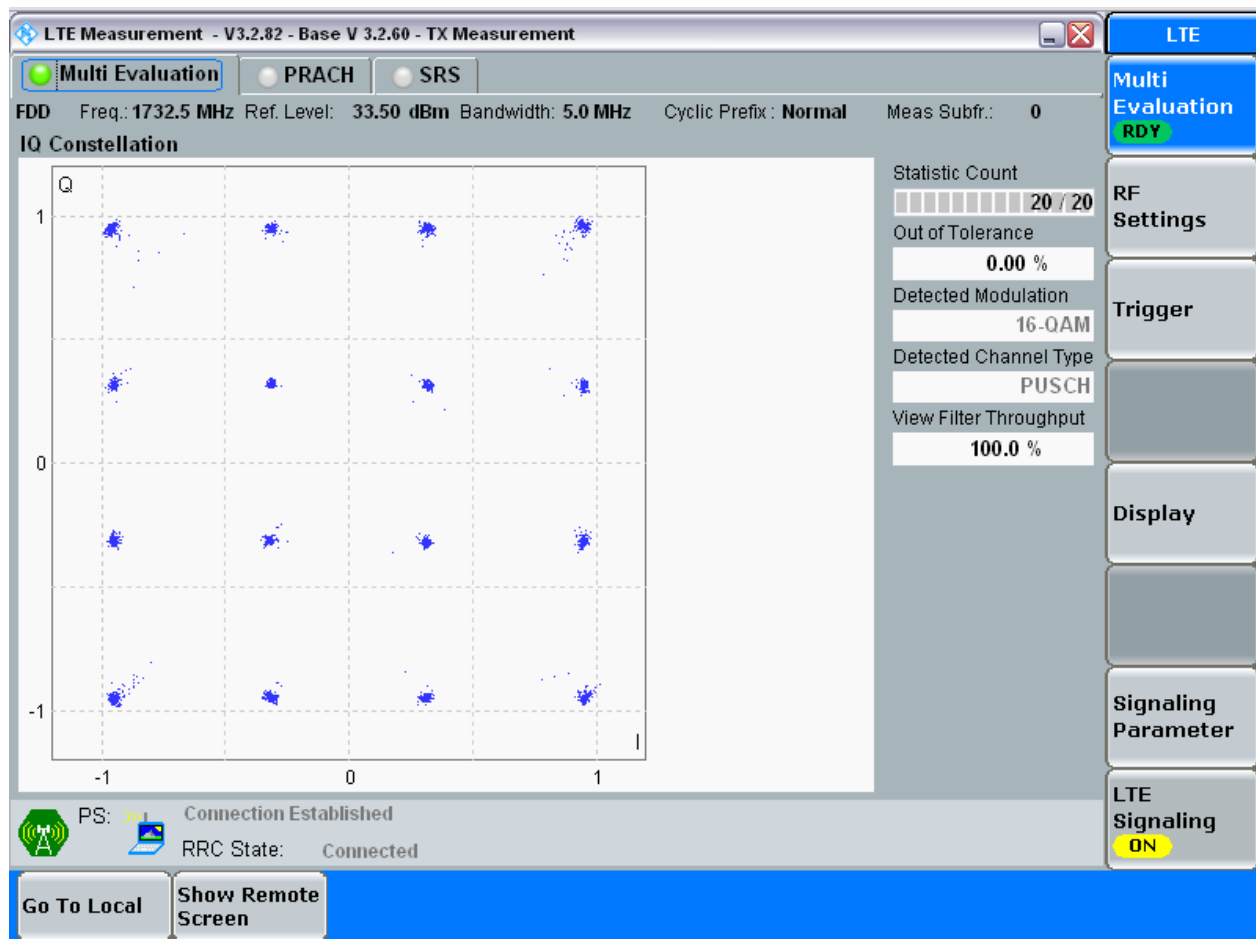
3.1.2.2.2.1.1 Test RB = RB15#0



3.1.2.2.3 Test Bandwidth = 5

3.1.2.2.3.1 Test Channel = MCH

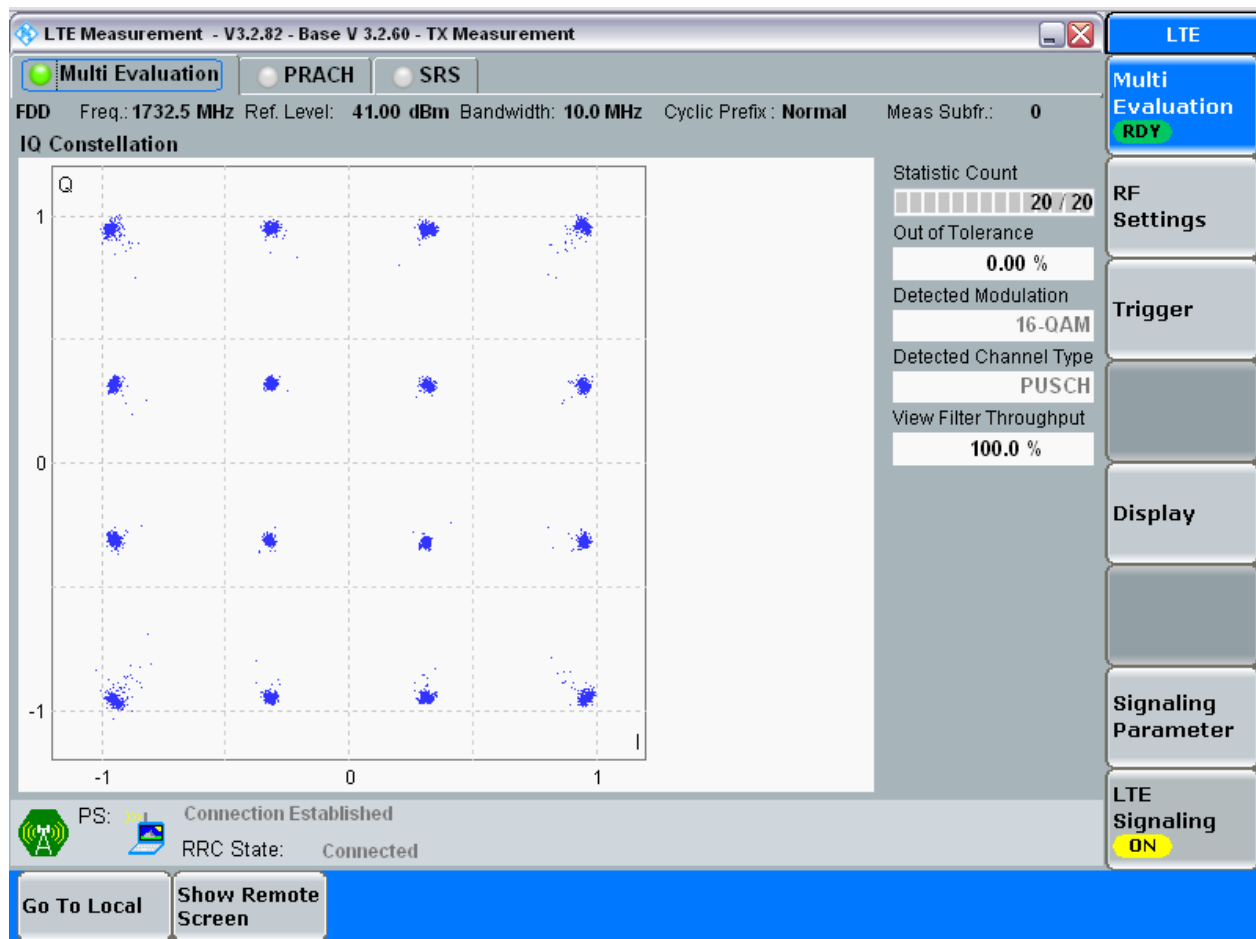
3.1.2.2.3.1.1 Test RB = RB25#0



3.1.2.2.4 Test Bandwidth = 10

3.1.2.2.4.1 Test Channel = MCH

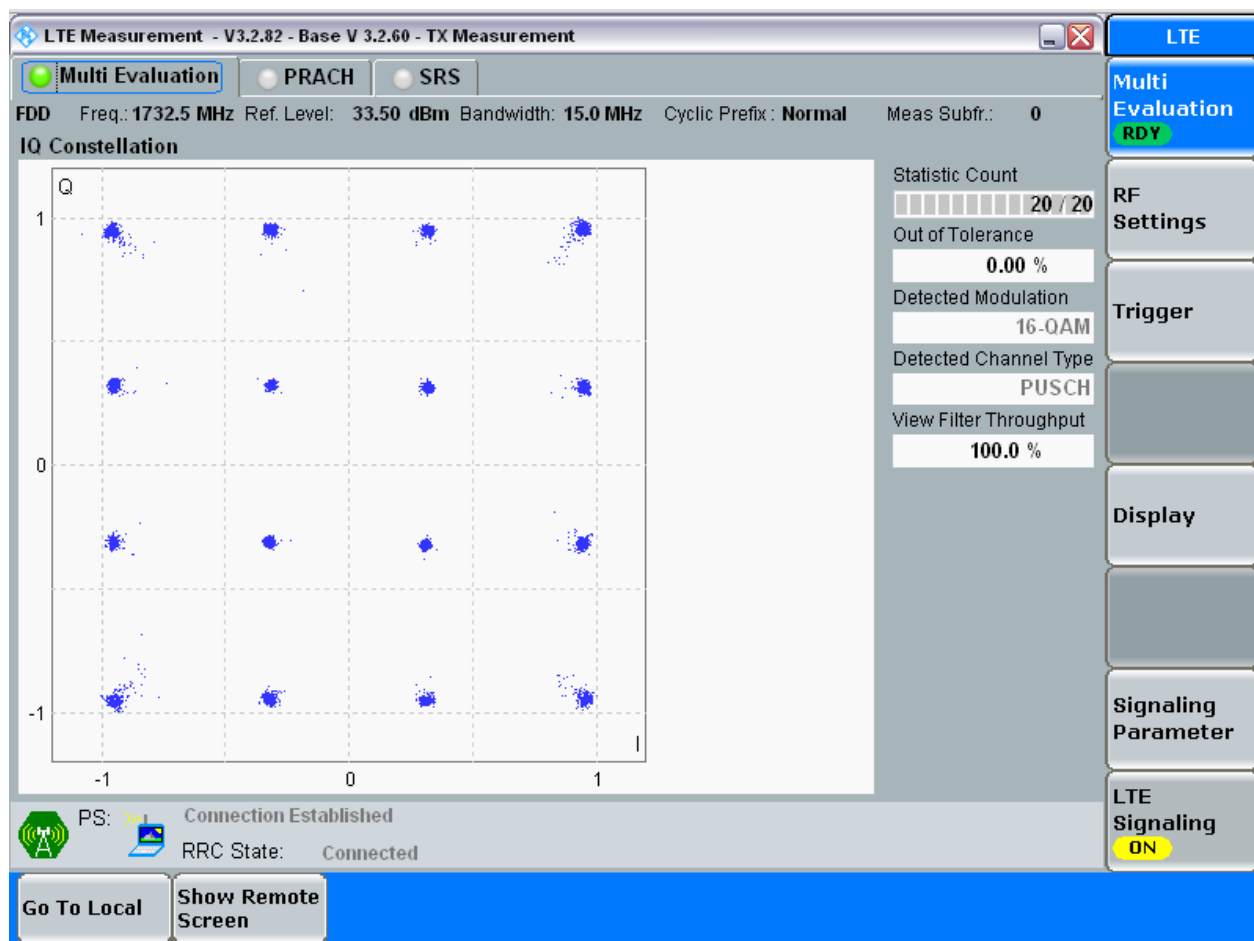
3.1.2.2.4.1.1 Test RB = RB50#0



3.1.2.2.5 Test Bandwidth = 15

3.1.2.2.5.1 Test Channel = MCH

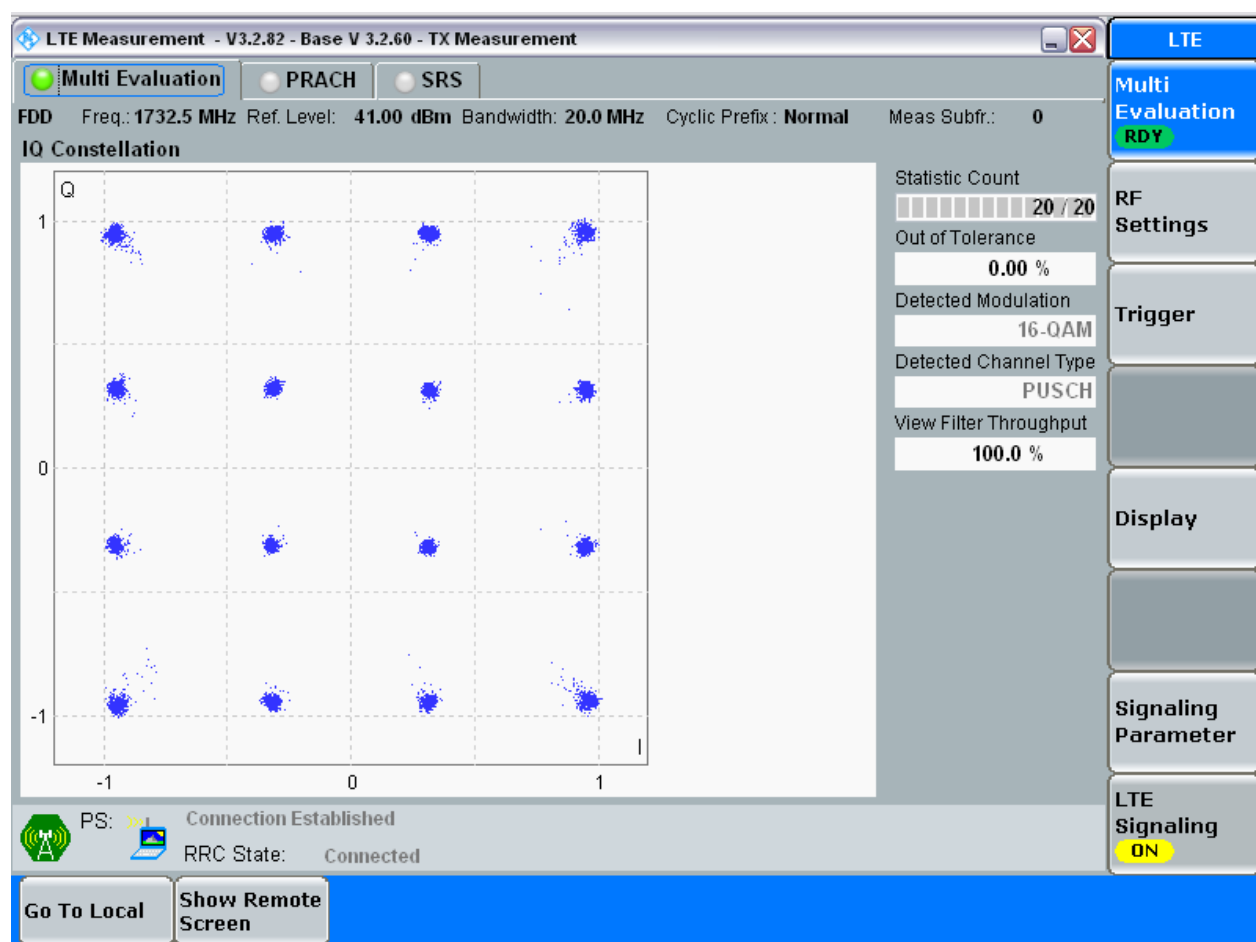
3.1.2.2.5.1.1 Test RB = RB75#0



3.1.2.2.6 Test Bandwidth = 20

3.1.2.2.6.1 Test Channel = MCH

3.1.2.2.6.1.1 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	1.28	Pass
			HCH	RB6#0	1.09	1.29	Pass
		3	LCH	RB15#0	2.70	2.95	Pass
			MCH	RB15#0	2.70	2.95	Pass
			HCH	RB15#0	2.70	2.95	Pass
		5	LCH	RB25#0	4.51	4.93	Pass
			MCH	RB25#0	4.51	4.91	Pass
			HCH	RB25#0	4.50	4.90	Pass
		10	LCH	RB50#0	9.01	9.64	Pass
			MCH	RB50#0	9.01	9.66	Pass
			HCH	RB50#0	9.00	9.67	Pass
		15	LCH	RB75#0	13.49	14.39	Pass
			MCH	RB75#0	13.50	14.37	Pass
			HCH	RB75#0	13.49	14.50	Pass
		20	LCH	RB100#0	17.96	19.01	Pass
			MCH	RB100#0	17.96	19.01	Pass
			HCH	RB100#0	17.94	18.98	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.28	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.95	Pass
		5	LCH	RB25#0	4.51	4.88	Pass
			MCH	RB25#0	4.51	4.90	Pass
			HCH	RB25#0	4.51	4.89	Pass
		10	LCH	RB50#0	8.99	9.64	Pass
			MCH	RB50#0	8.99	9.63	Pass
			HCH	RB50#0	9.00	9.66	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.49	14.32	Pass
			MCH	RB75#0	13.48	14.29	Pass
			HCH	RB75#0	13.50	14.33	Pass
		20	LCH	RB100#0	17.96	19.00	Pass
			MCH	RB100#0	17.96	18.98	Pass
			HCH	RB100#0	17.95	18.99	Pass

Part II - Test Plots

4.1 For LTE

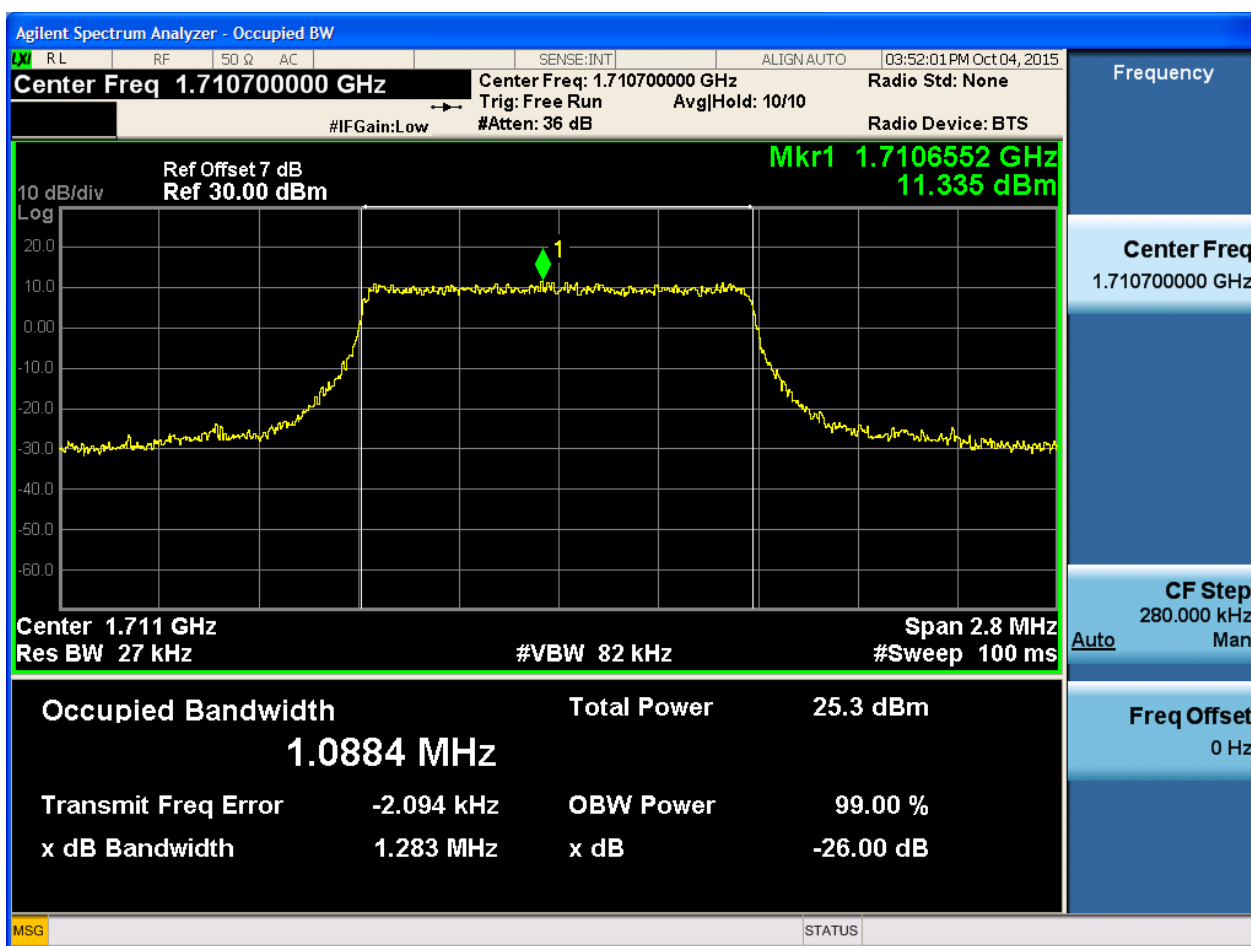
4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

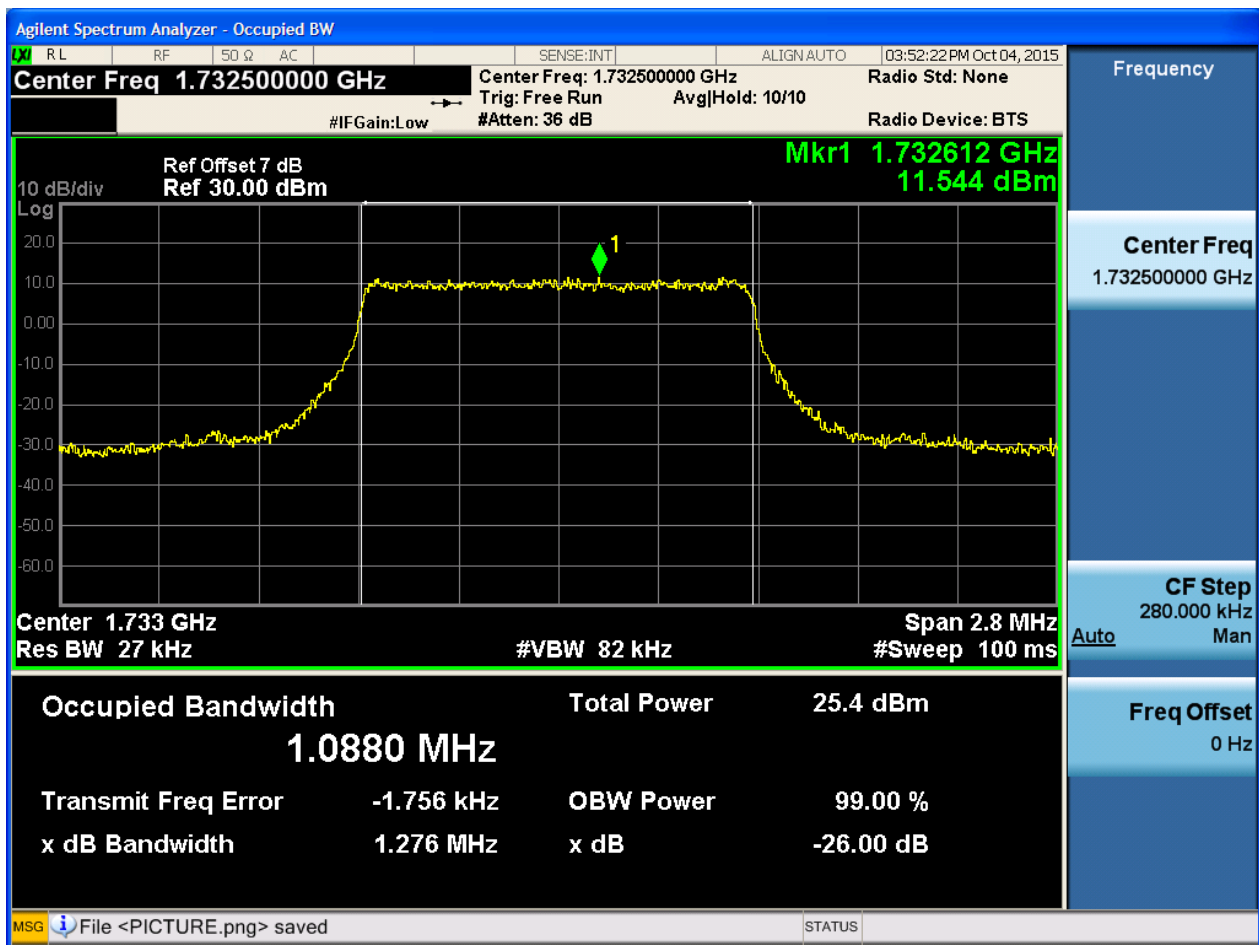
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



4.1.1.1.1.2 Test Channel = MCH

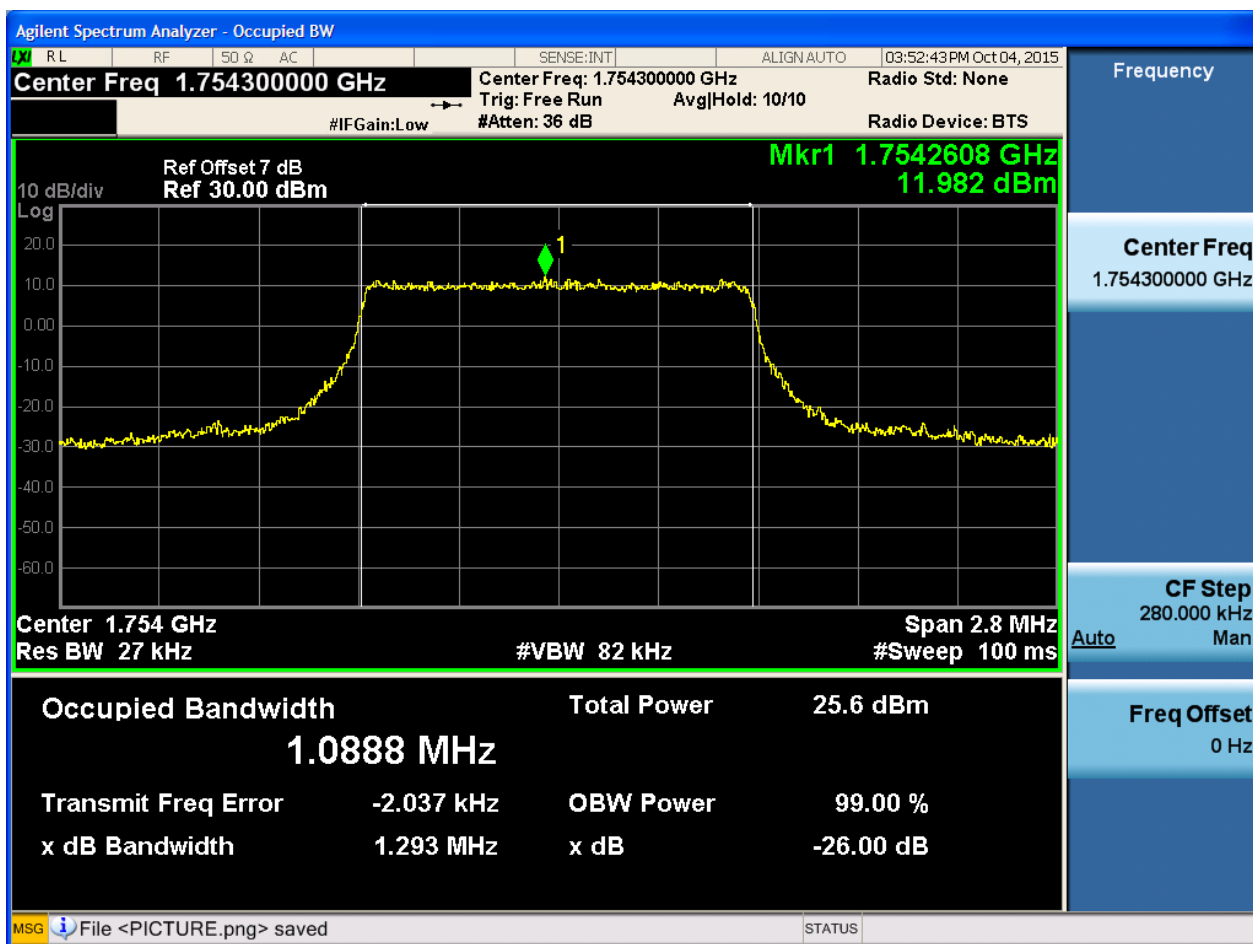
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

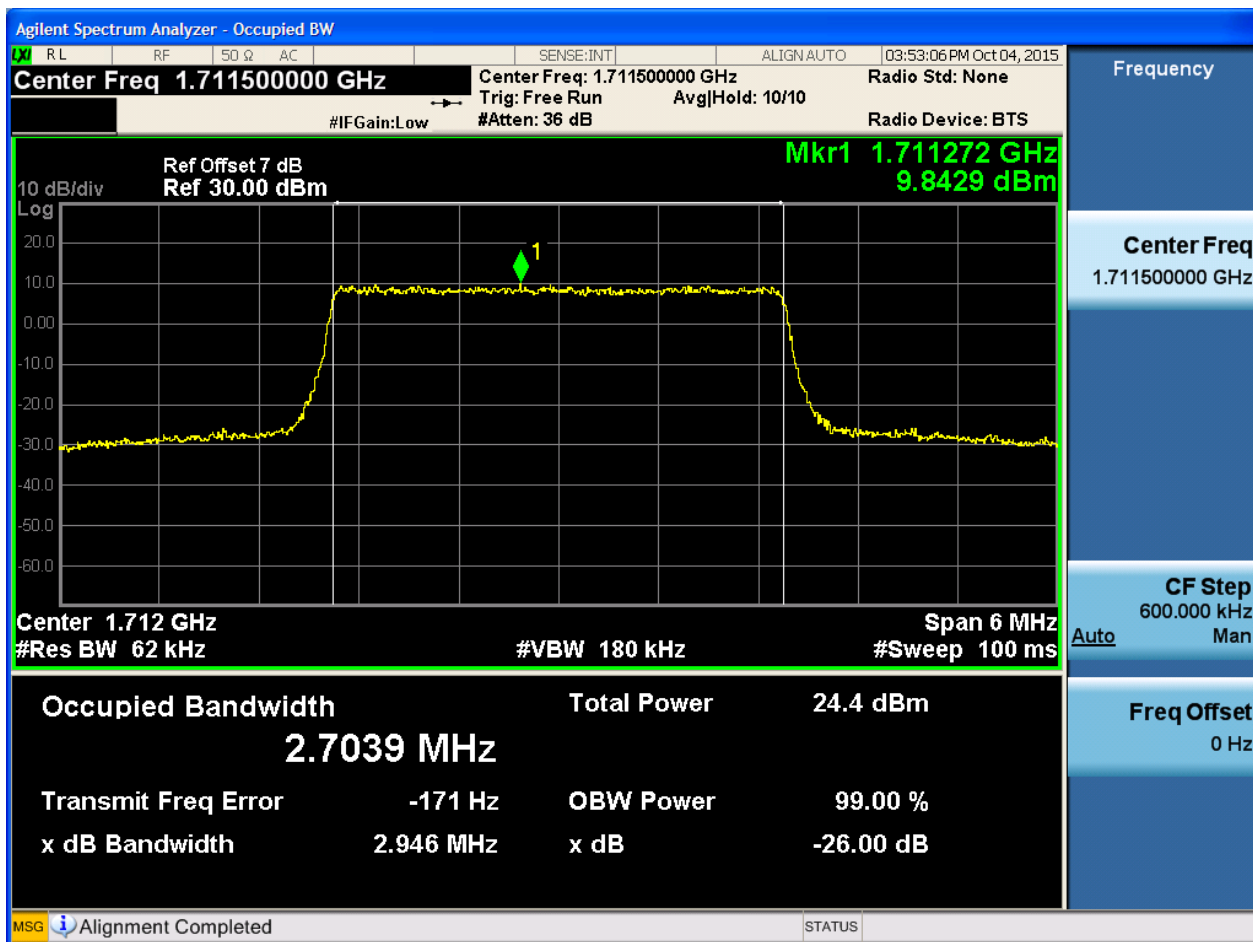




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

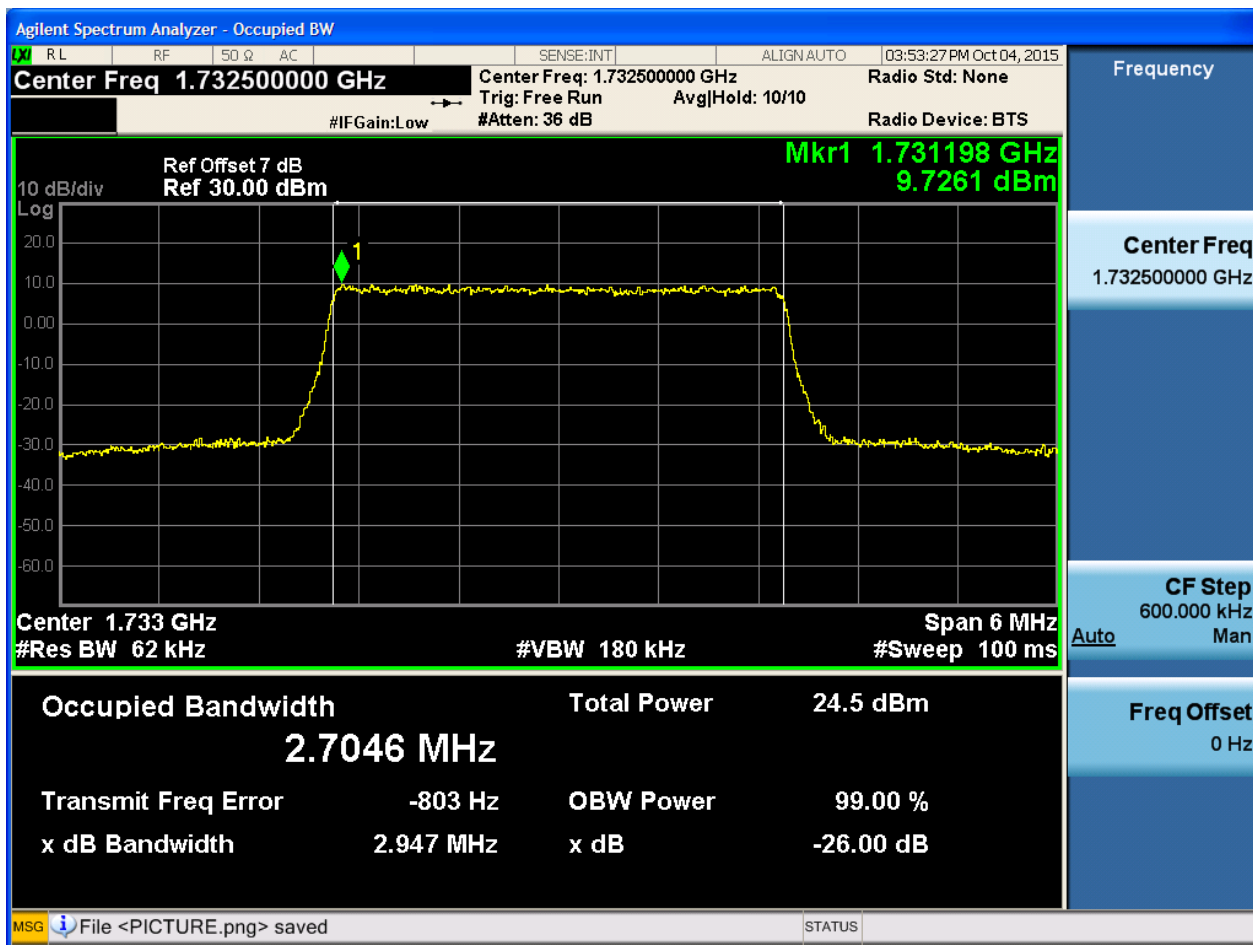
4.1.1.1.2.1.1 Test RB = RB15#0





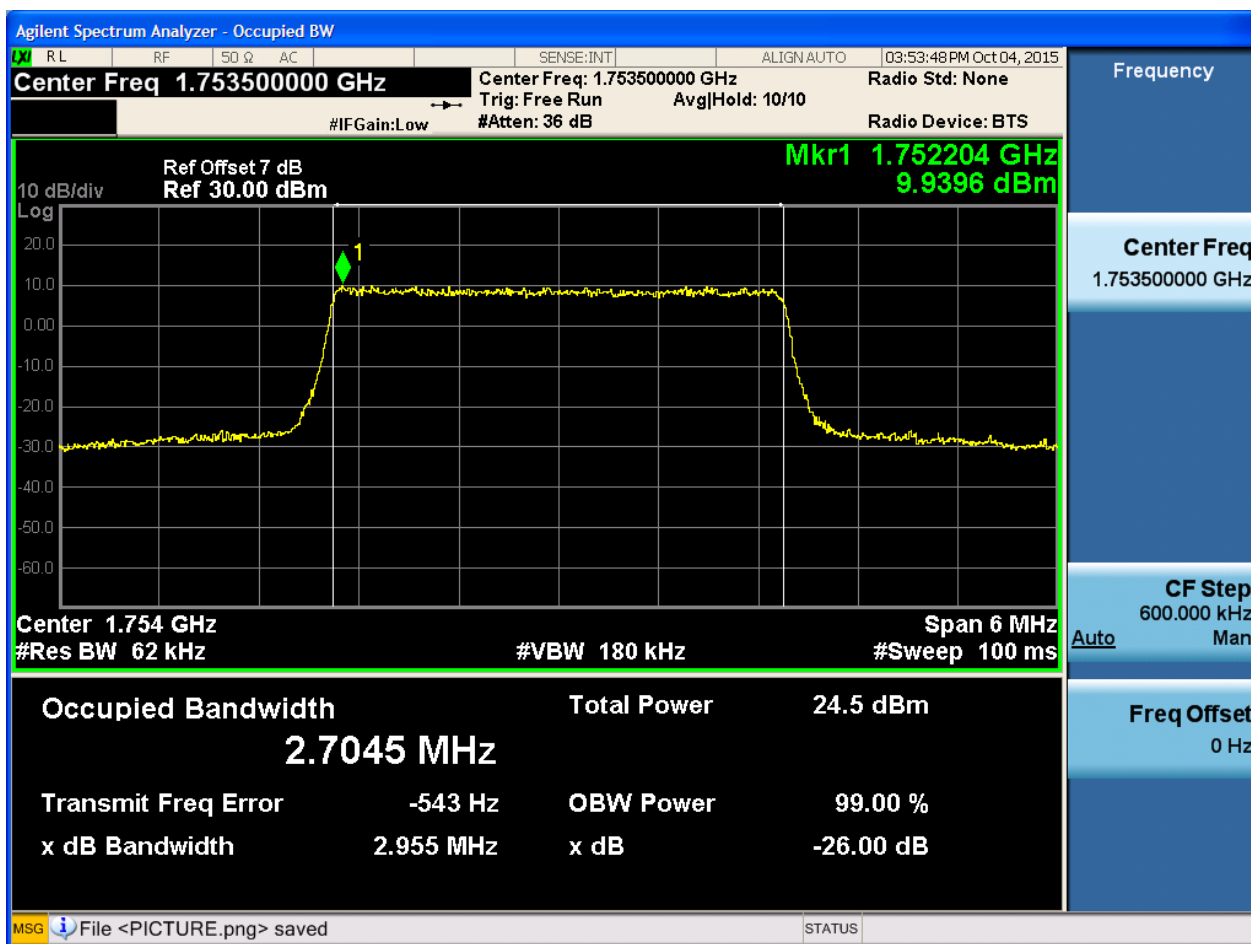
4.1.1.1.2.2 Test Channel = MCH

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

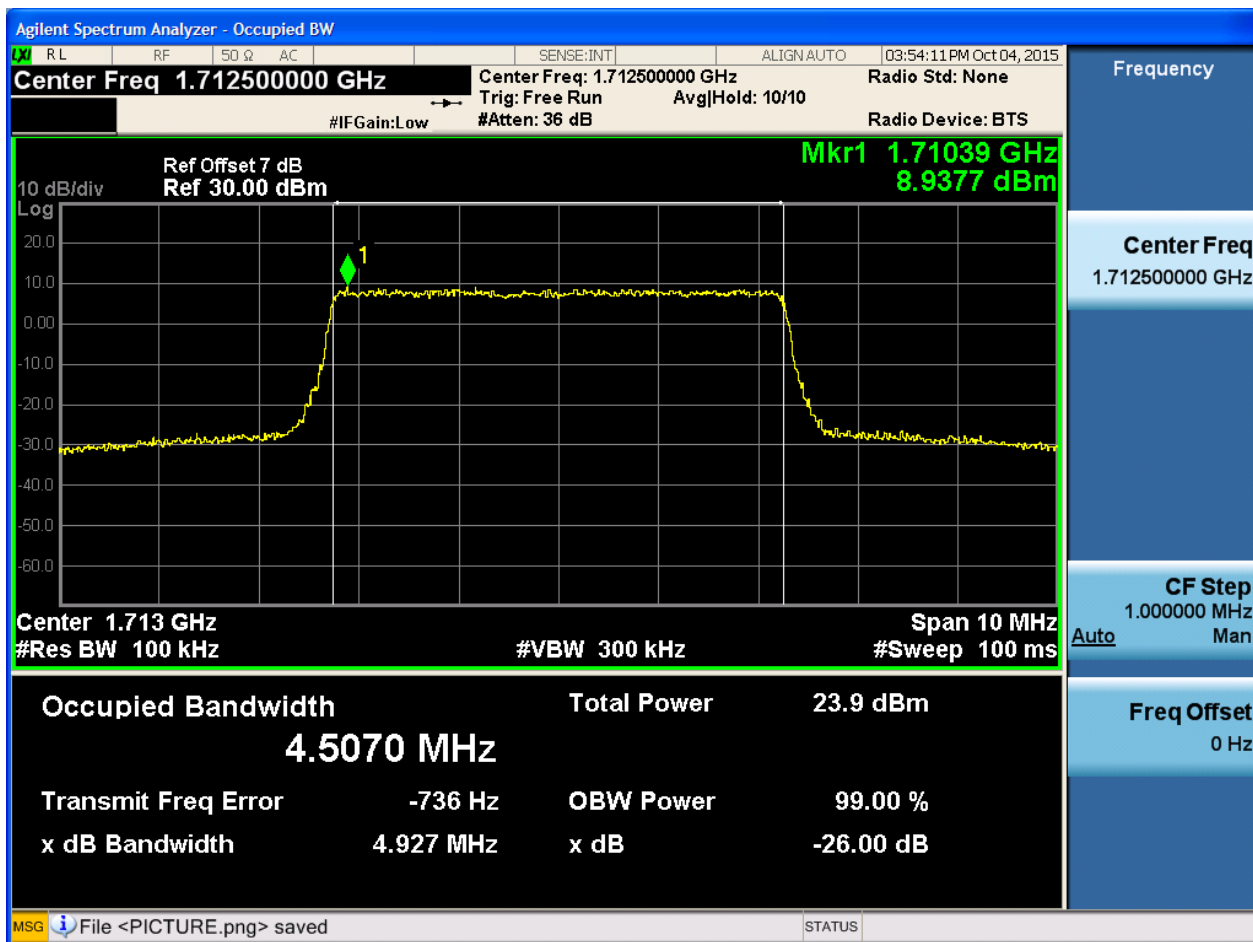




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

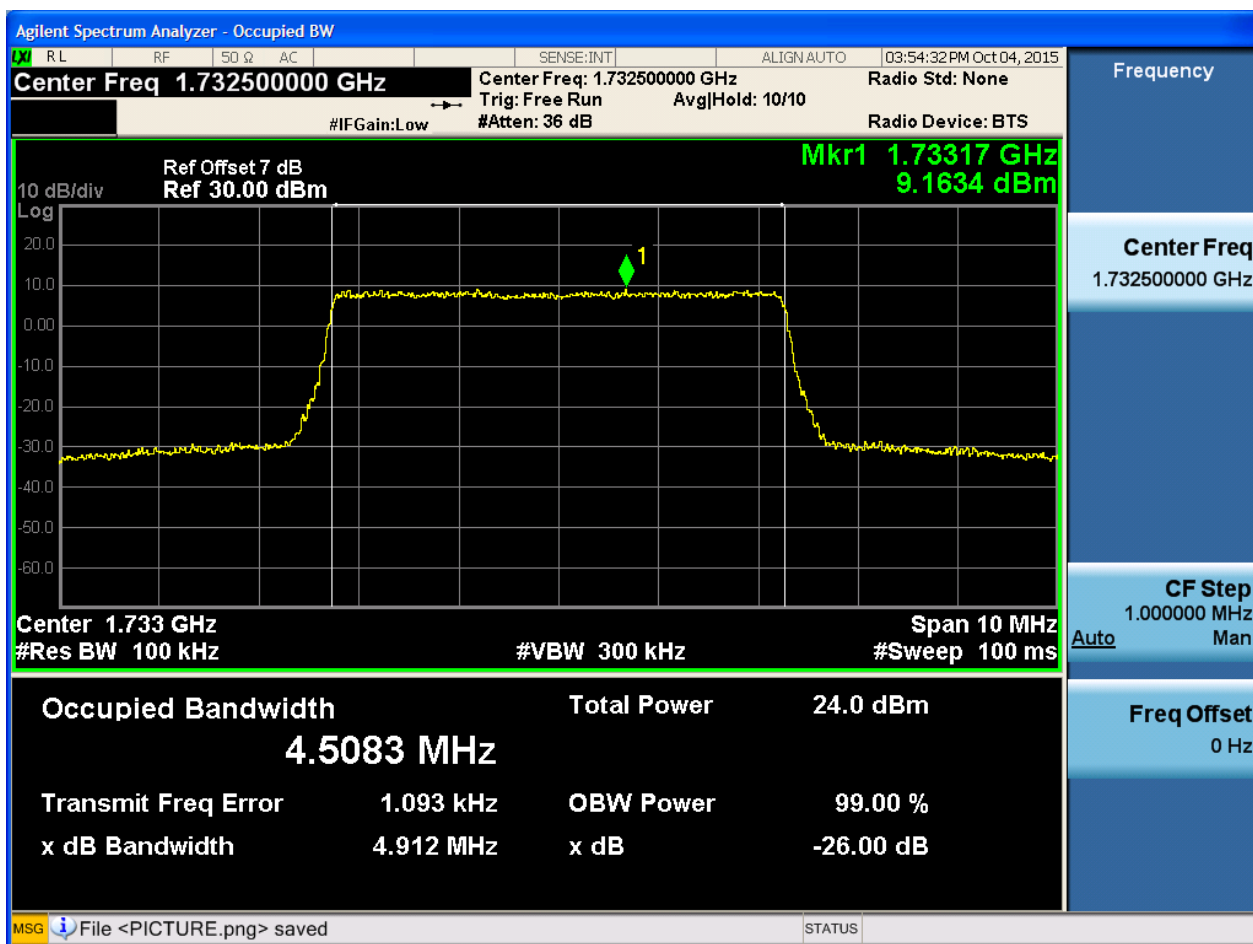
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

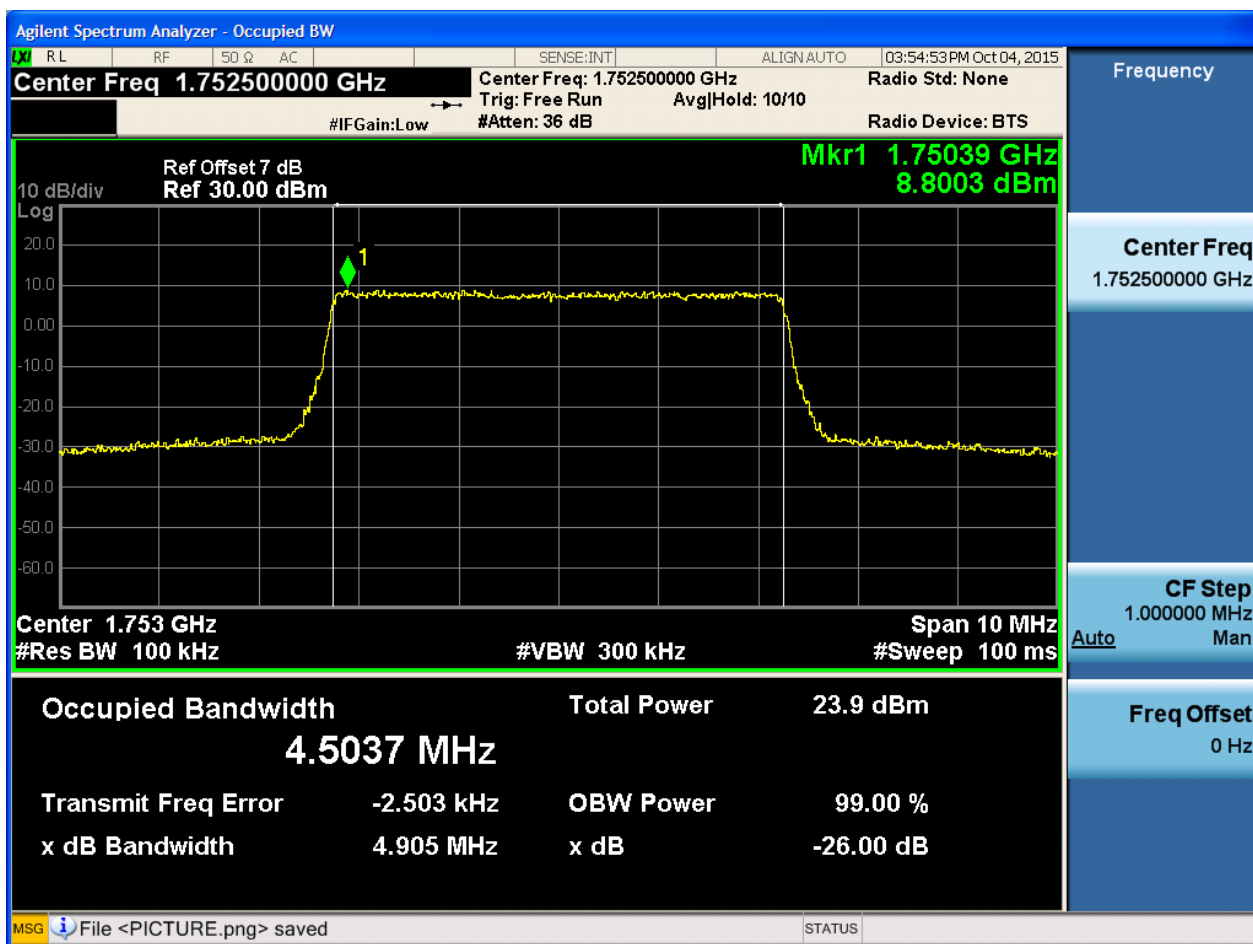
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

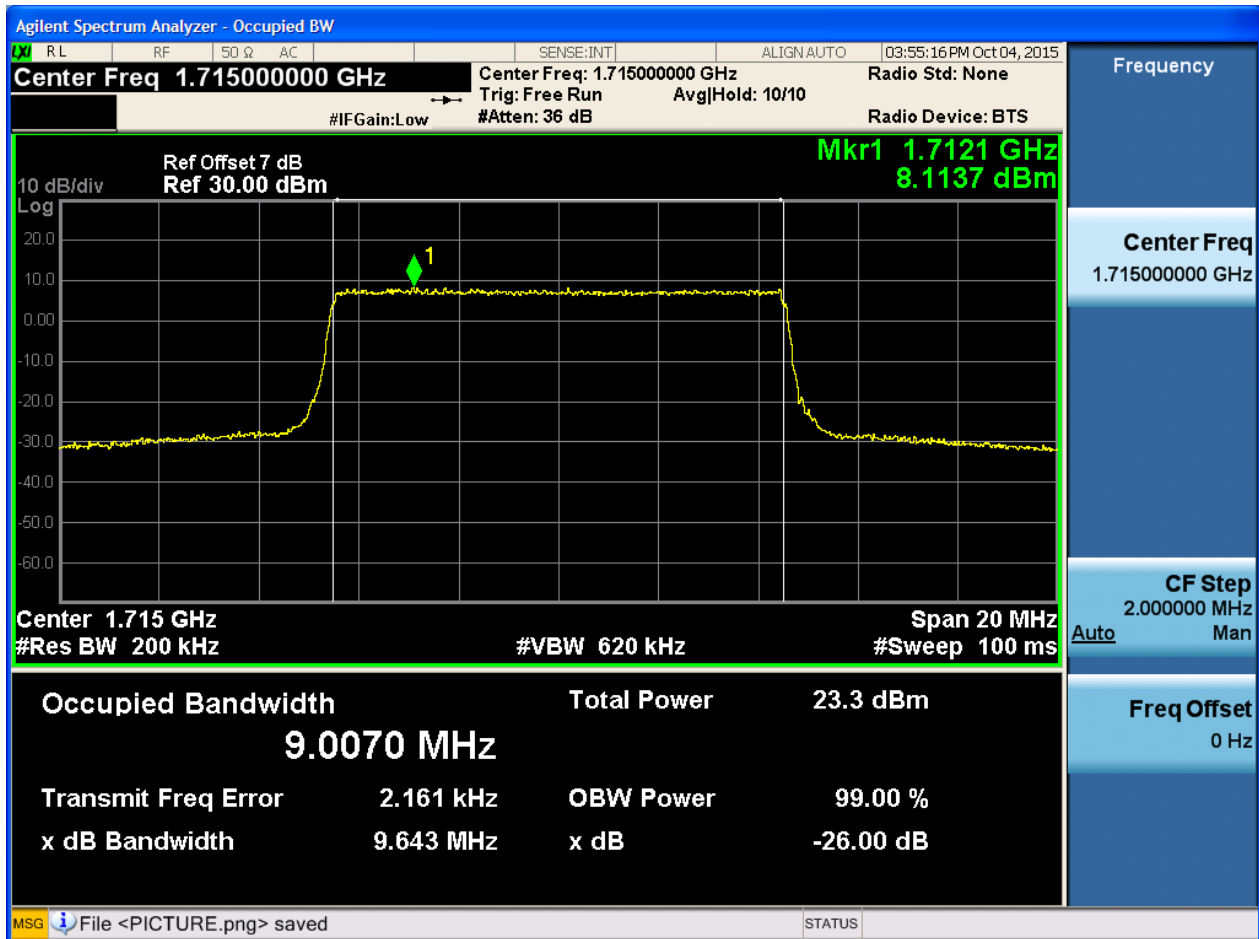




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

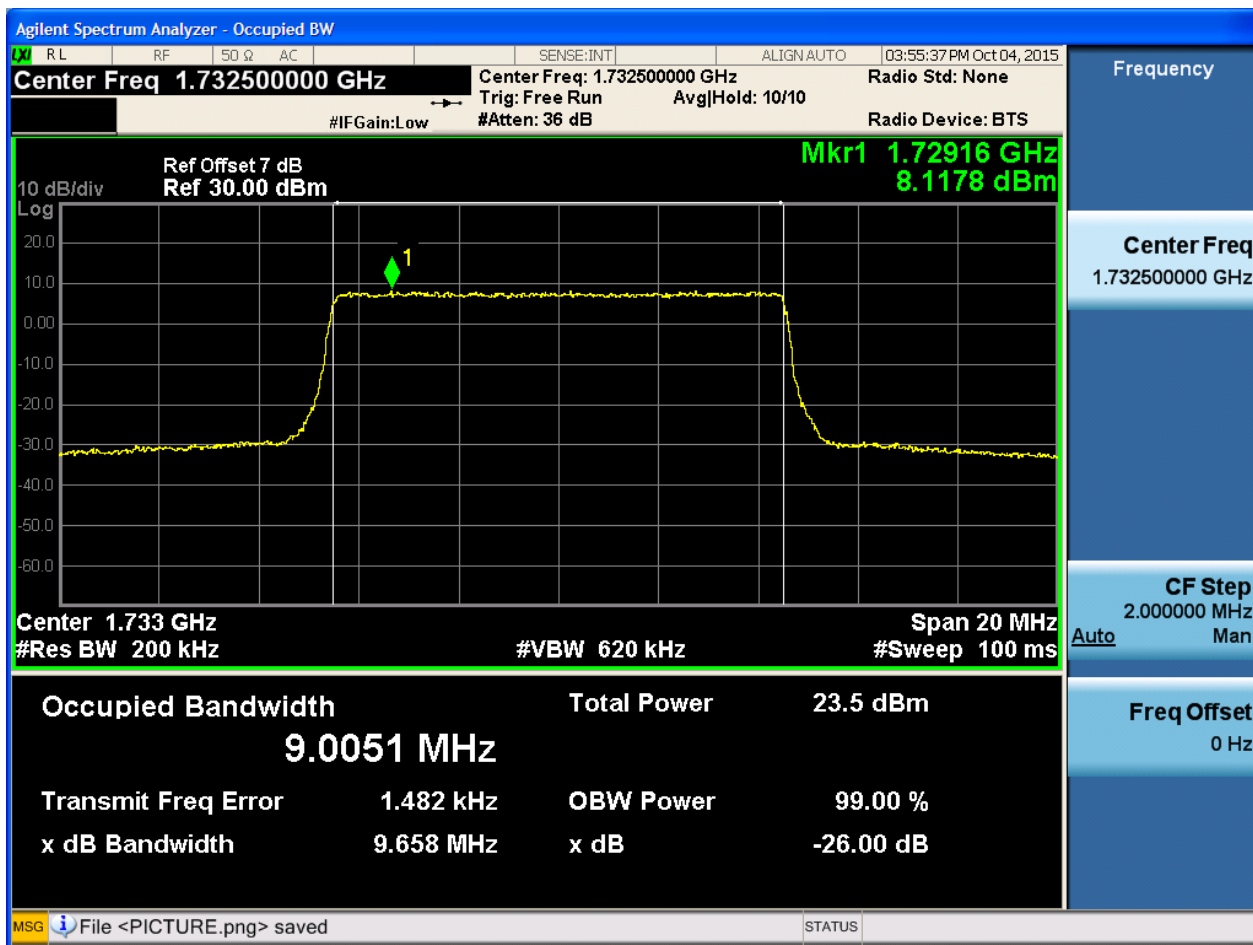
4.1.1.1.4.1.1 Test RB = RB50#0





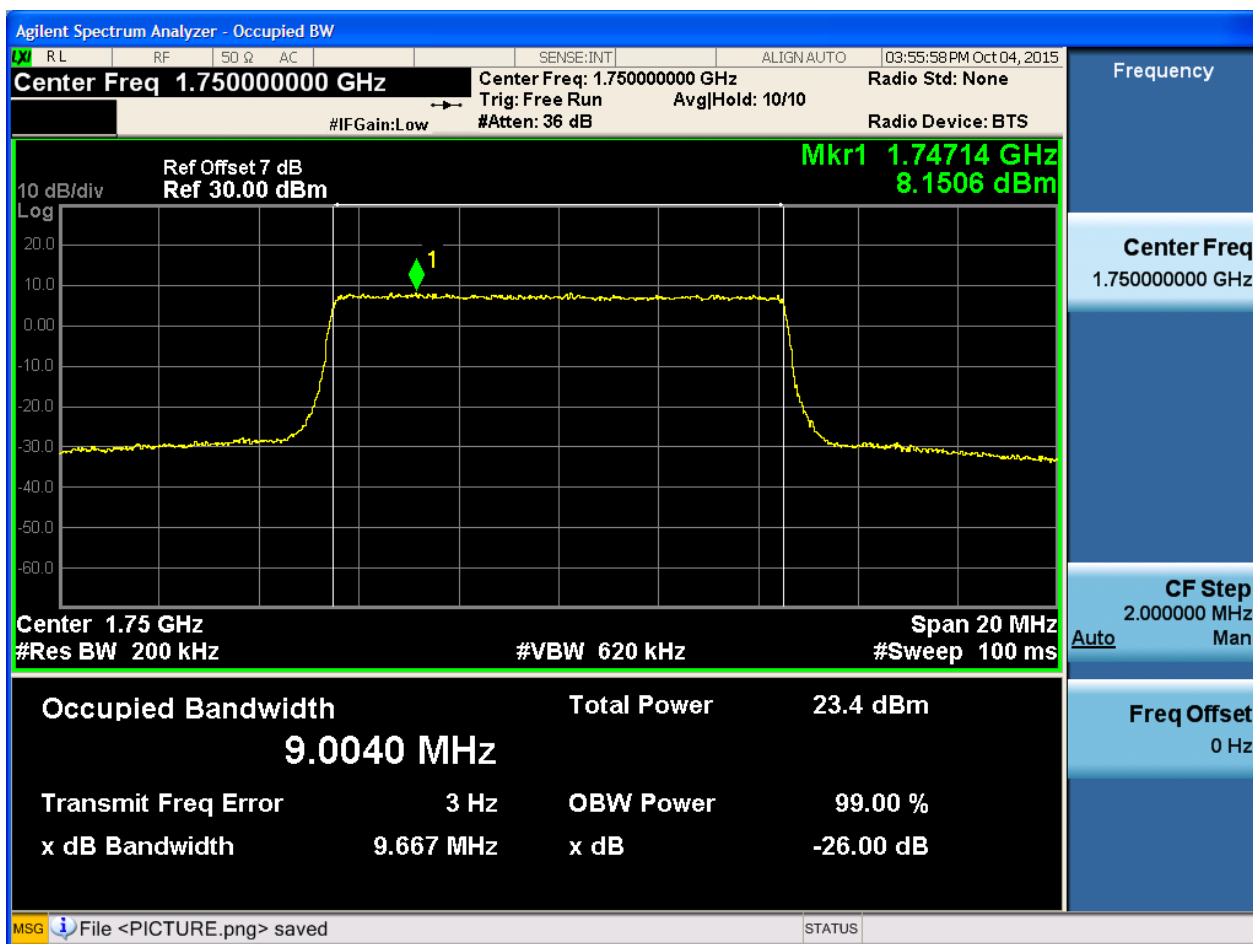
4.1.1.1.4.2 Test Channel = MCH

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

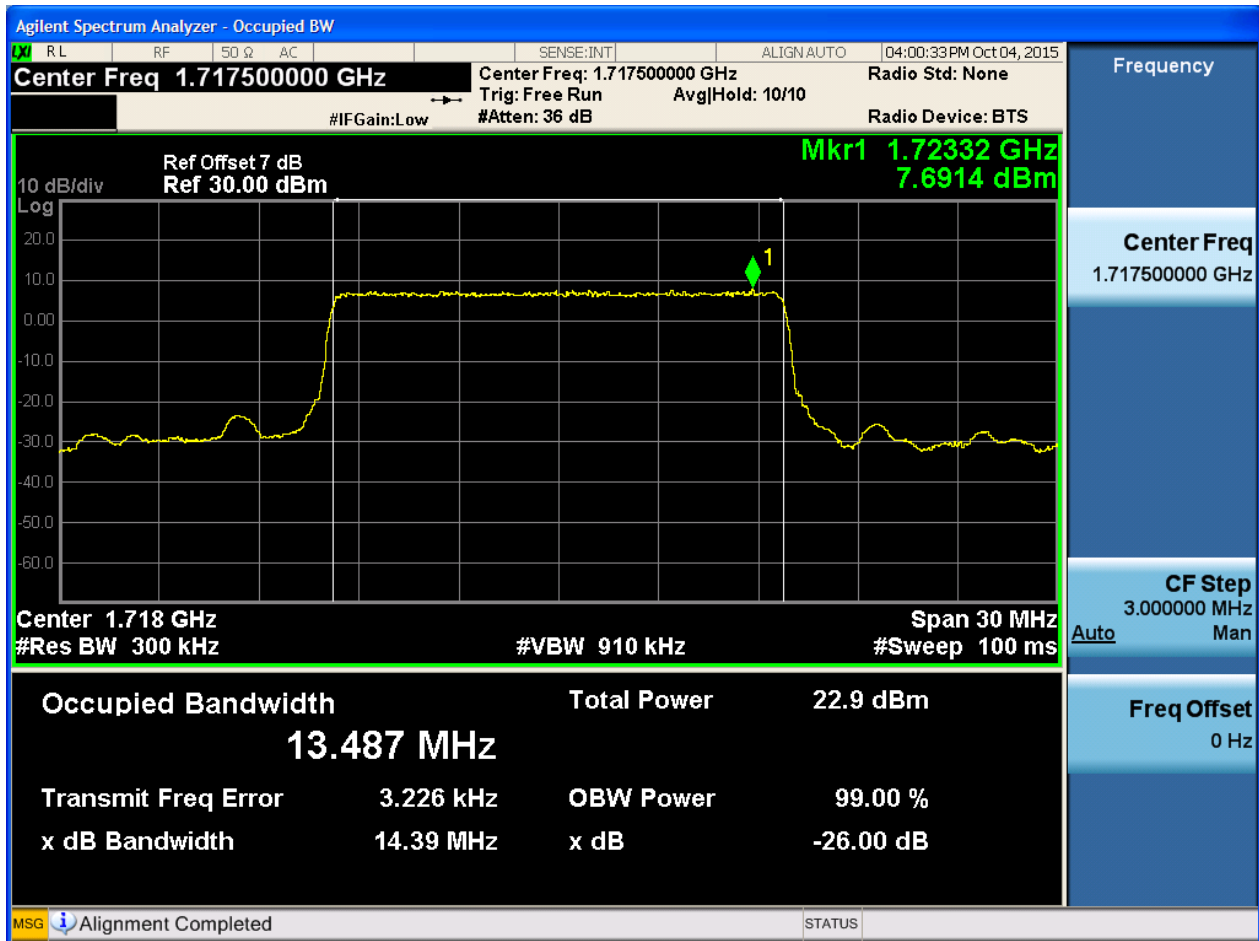




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

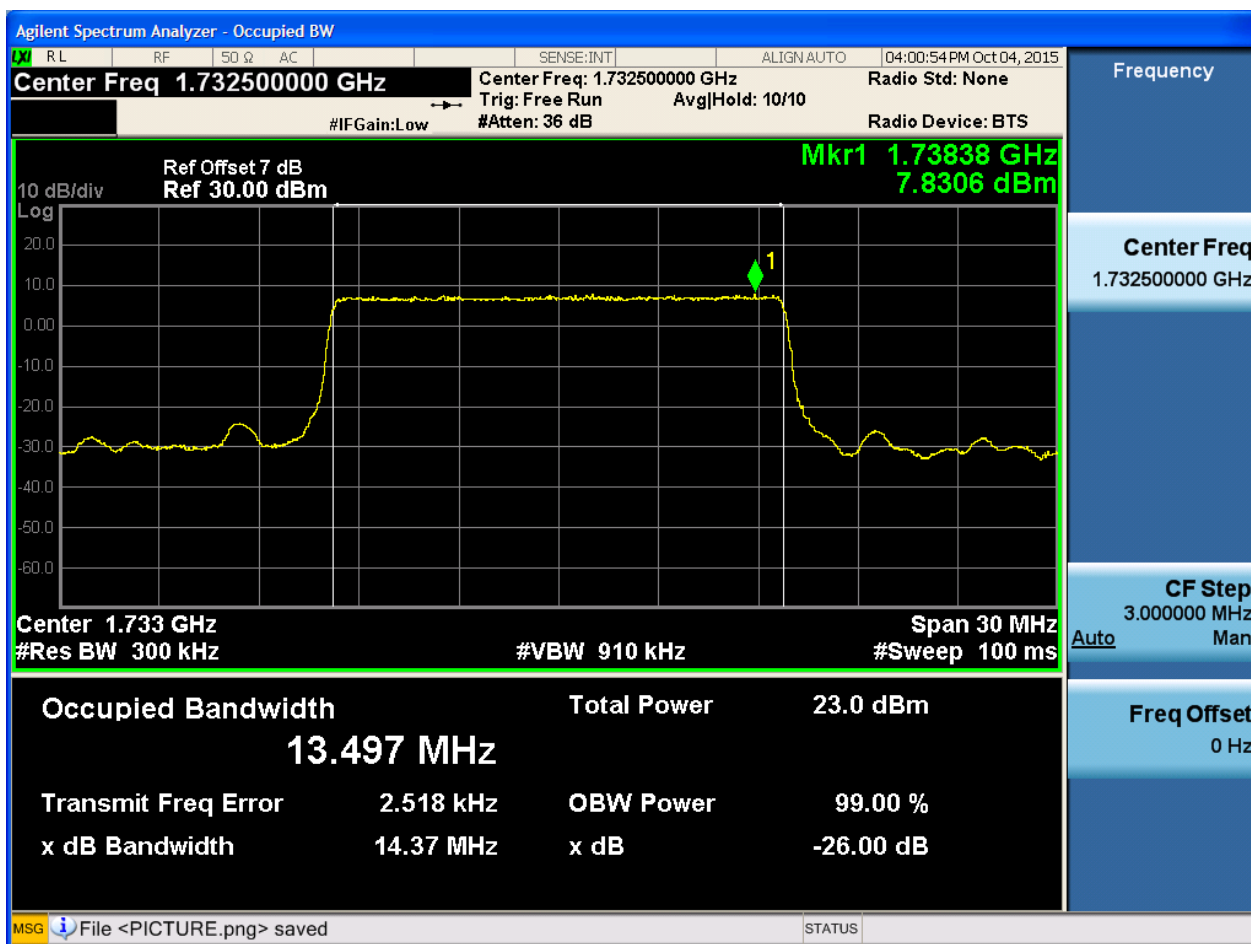
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

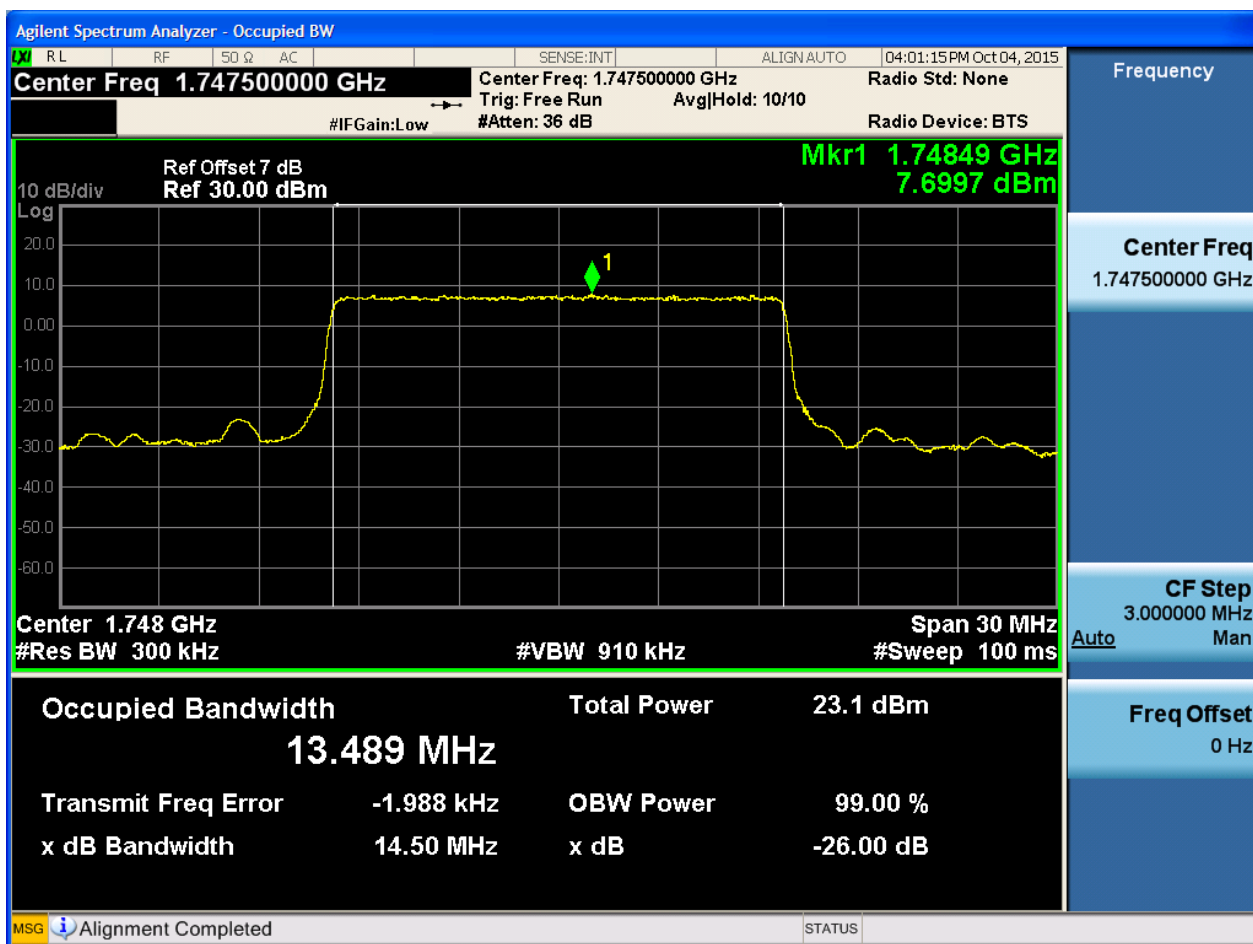
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

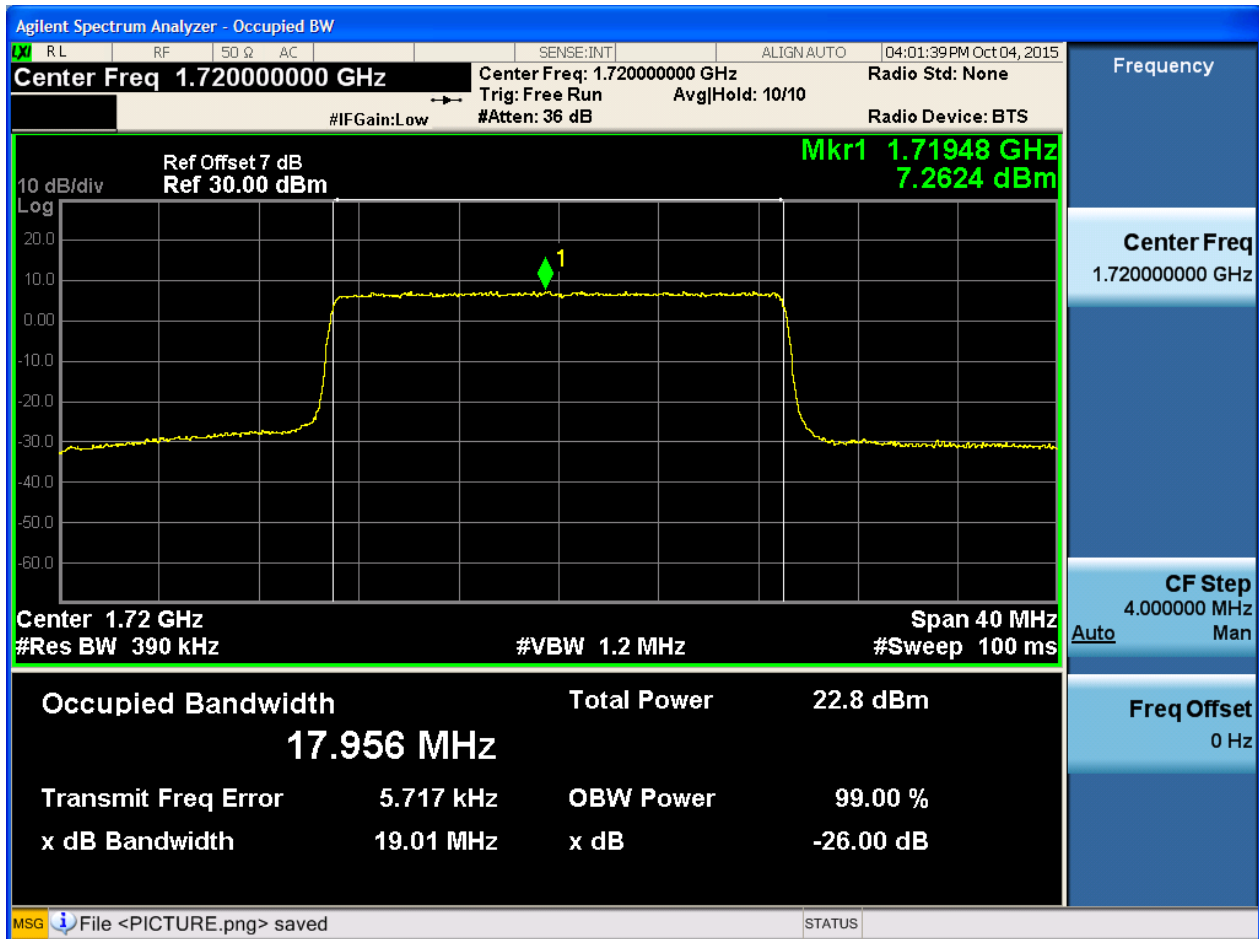




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

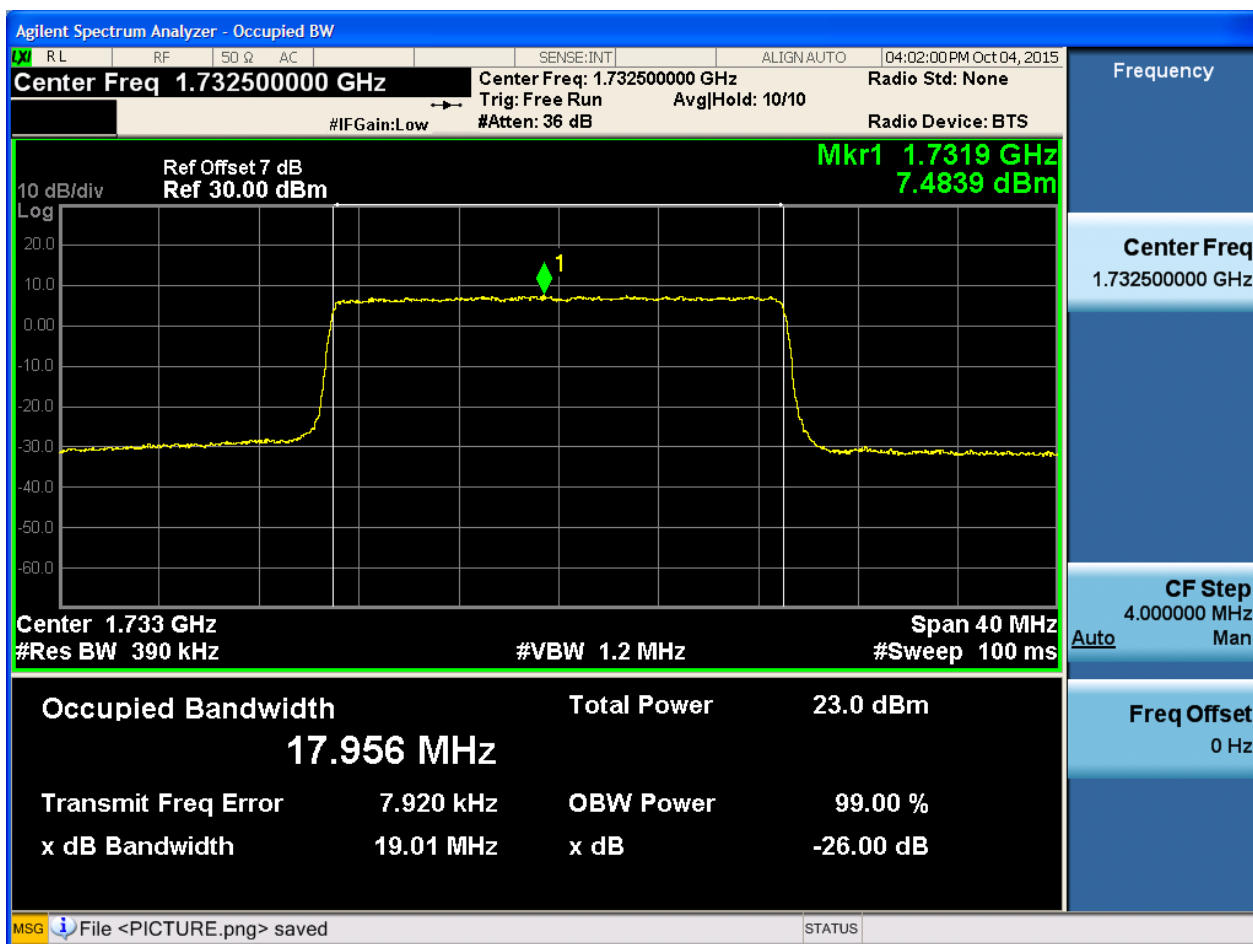
4.1.1.1.6.1.1 Test RB = RB100#0





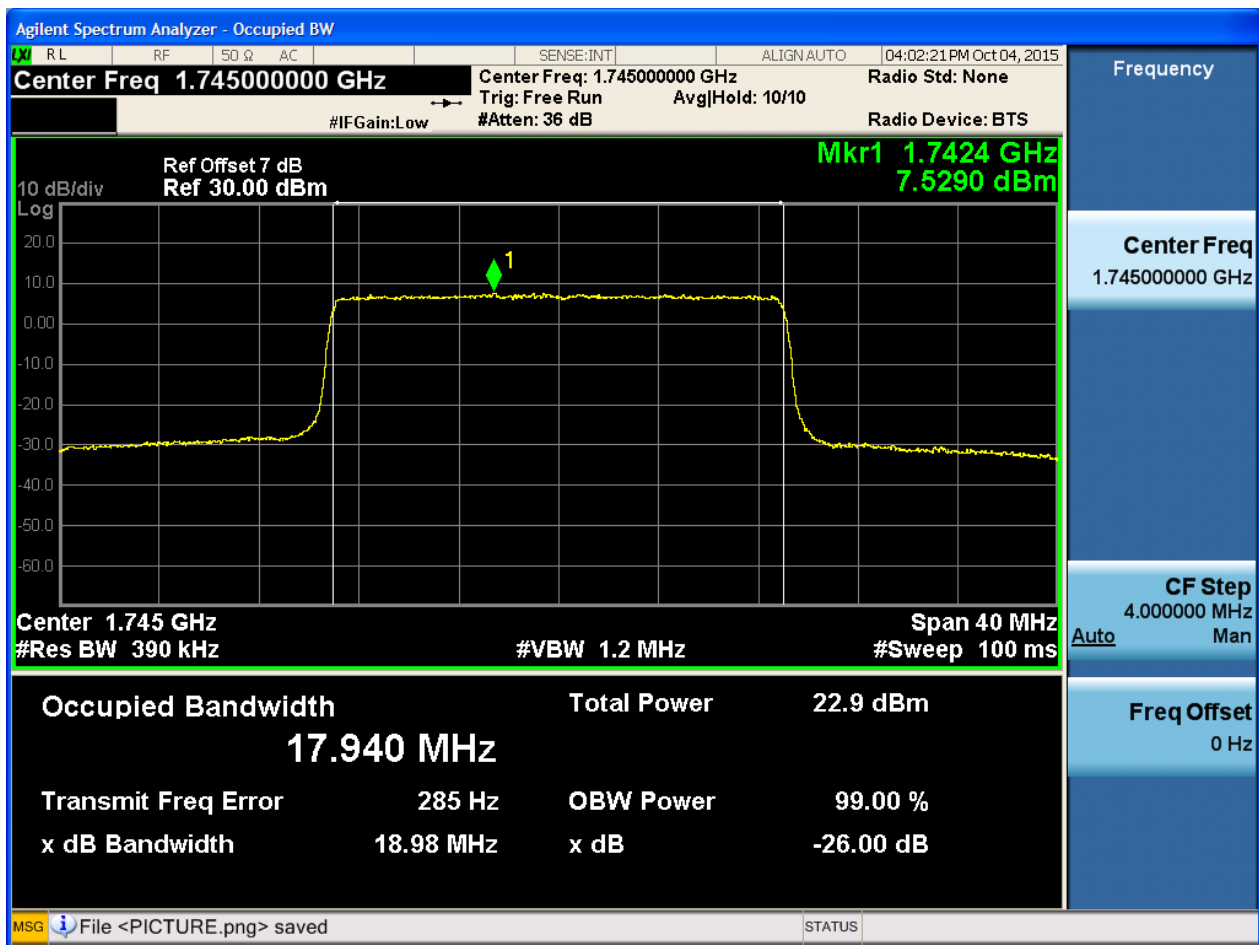
4.1.1.1.6.2 Test Channel = MCH

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



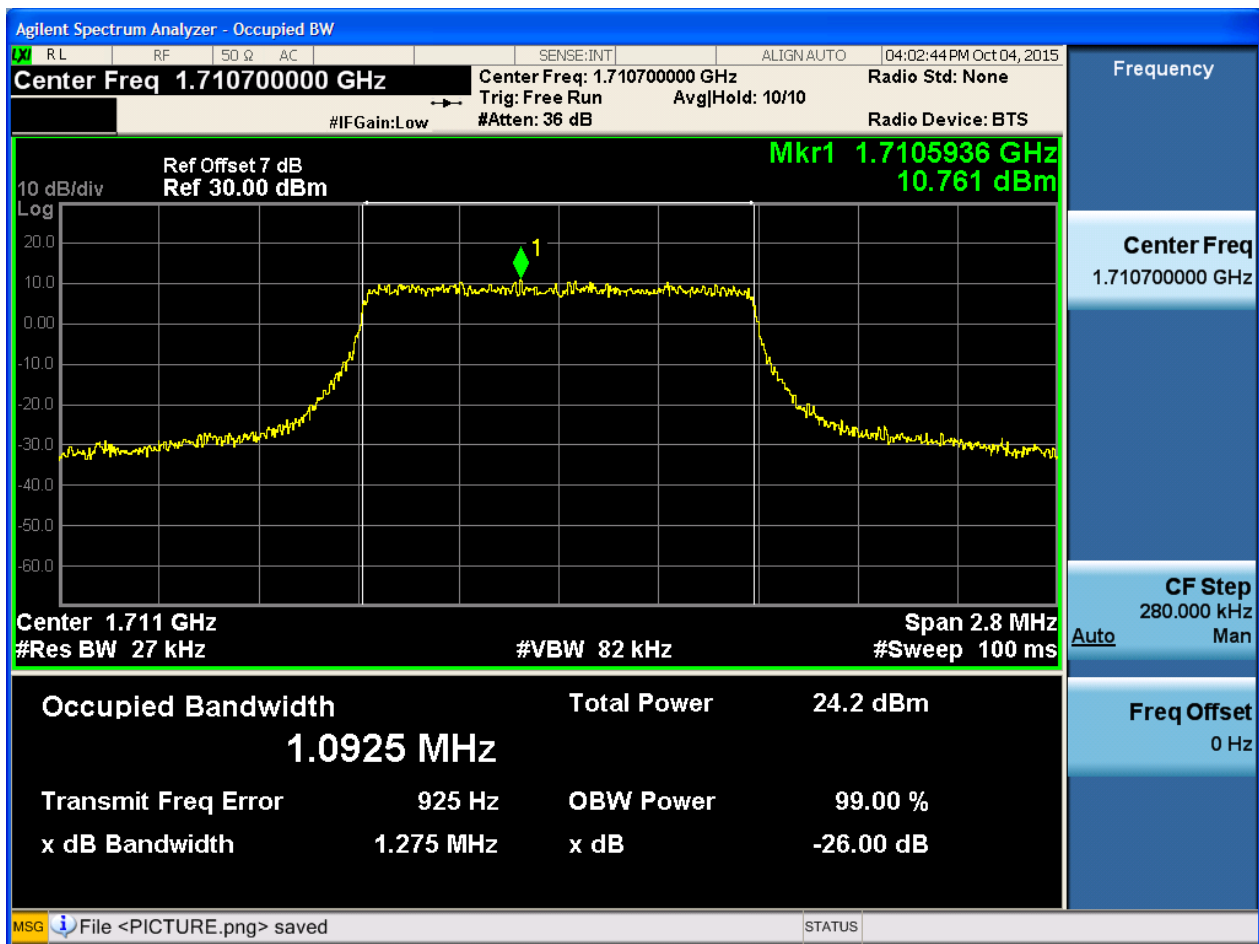


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

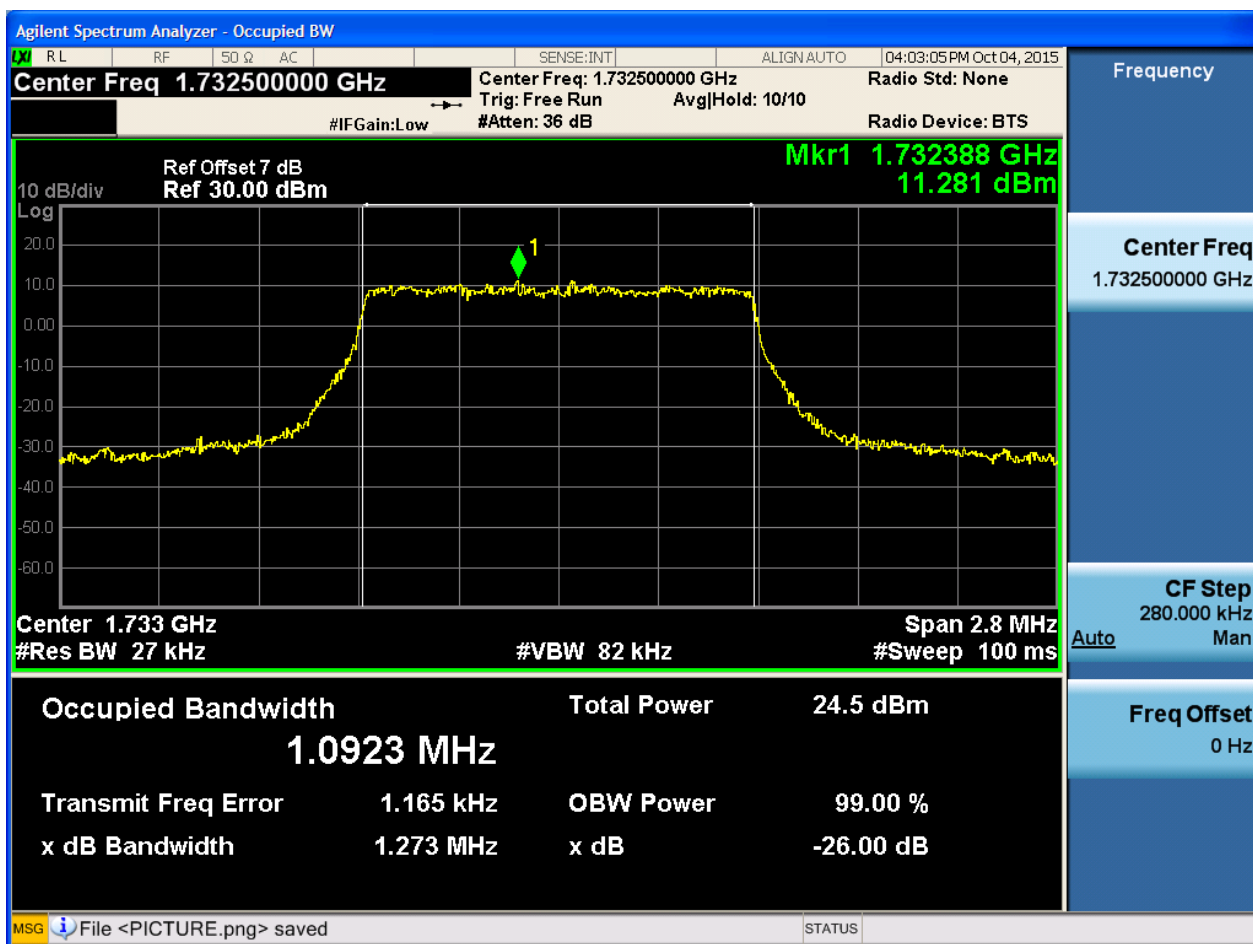
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

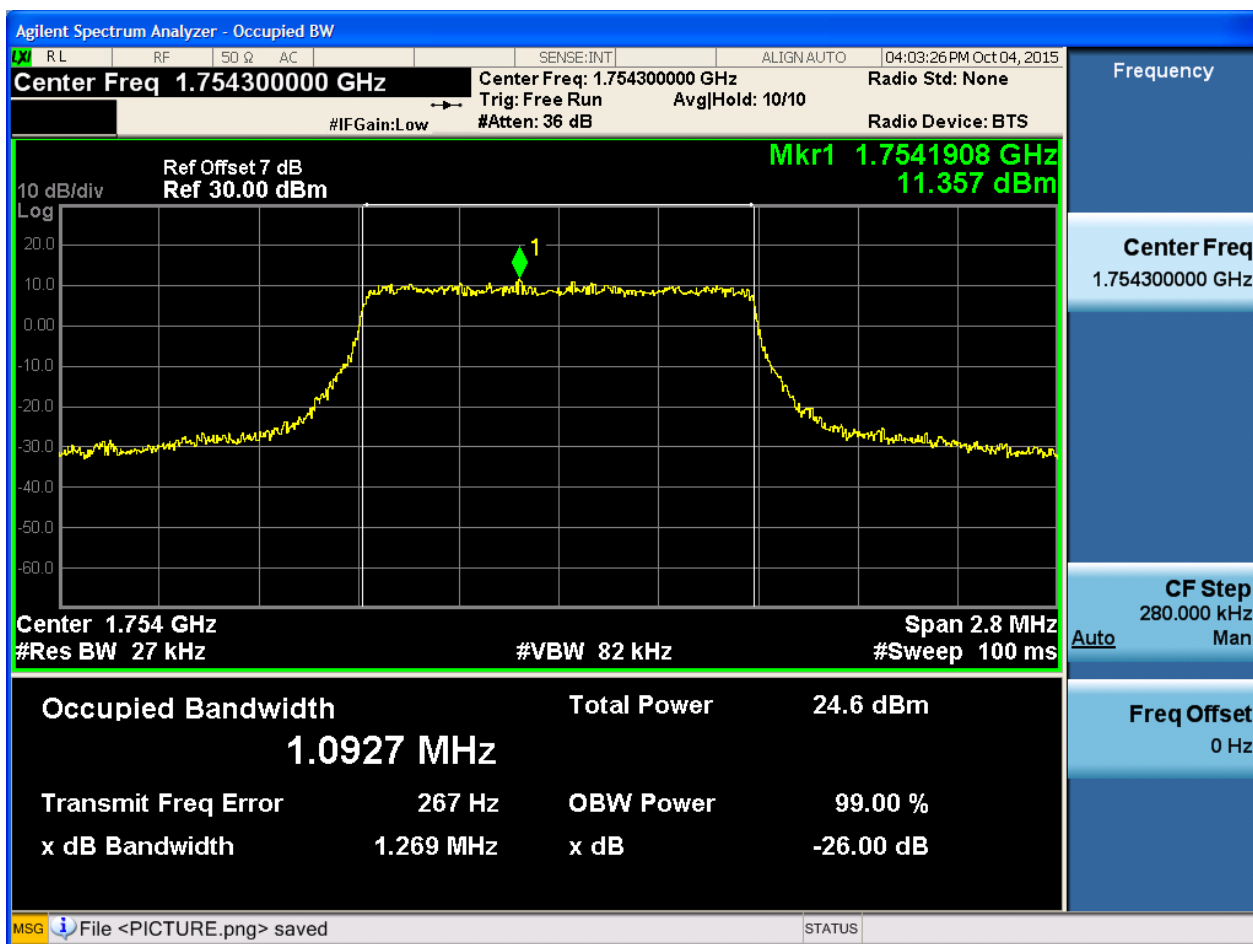
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

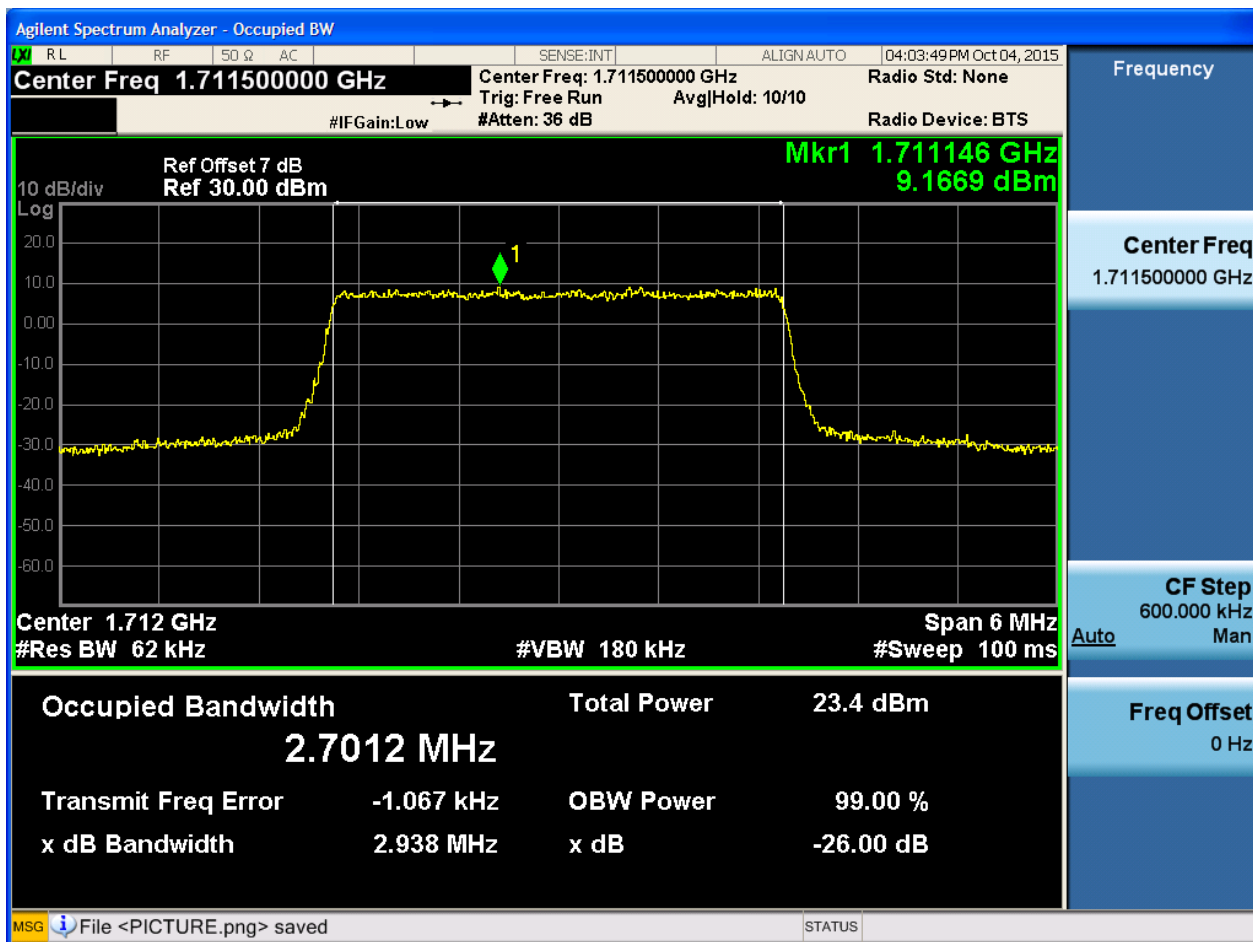




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

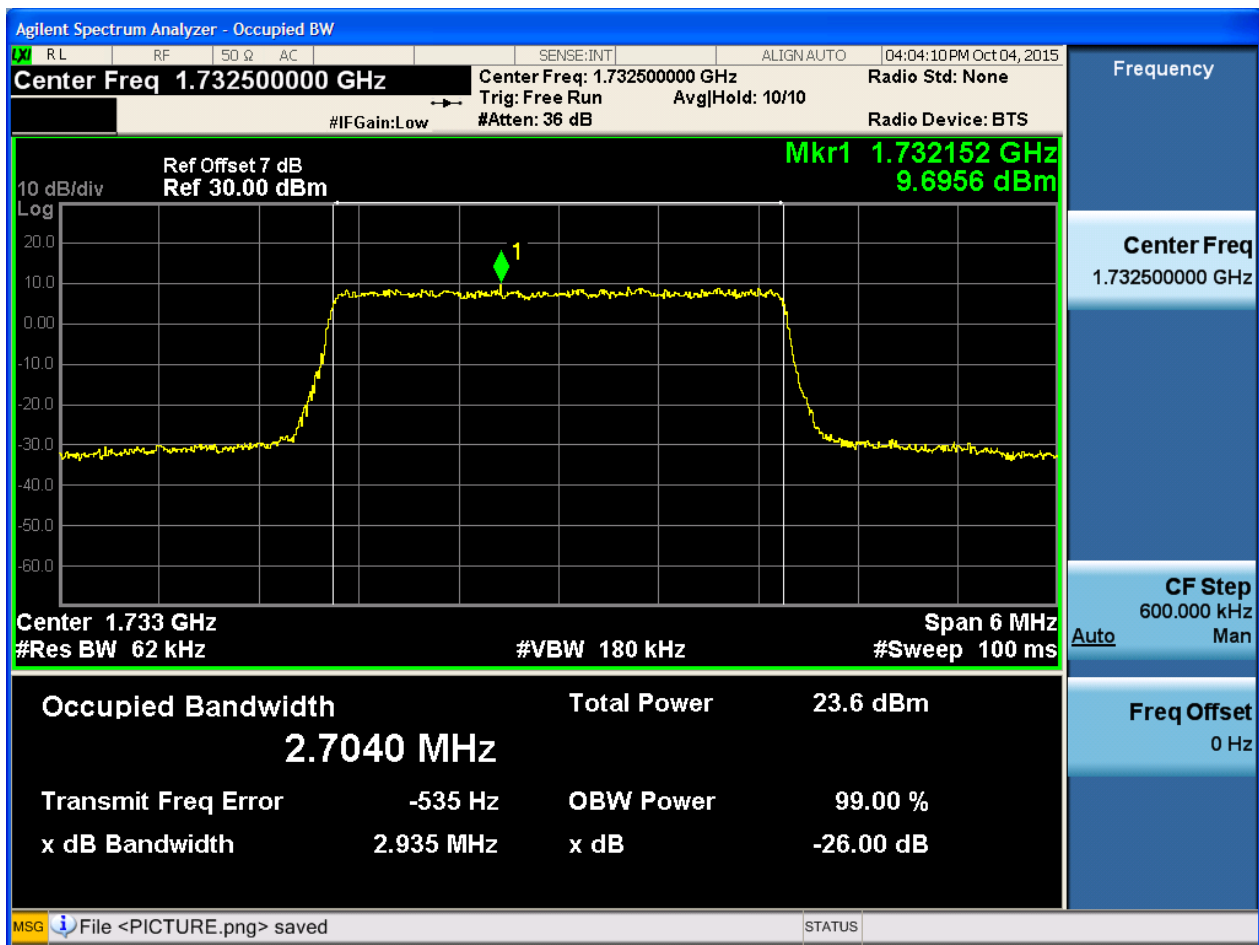
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2 Test Channel = MCH

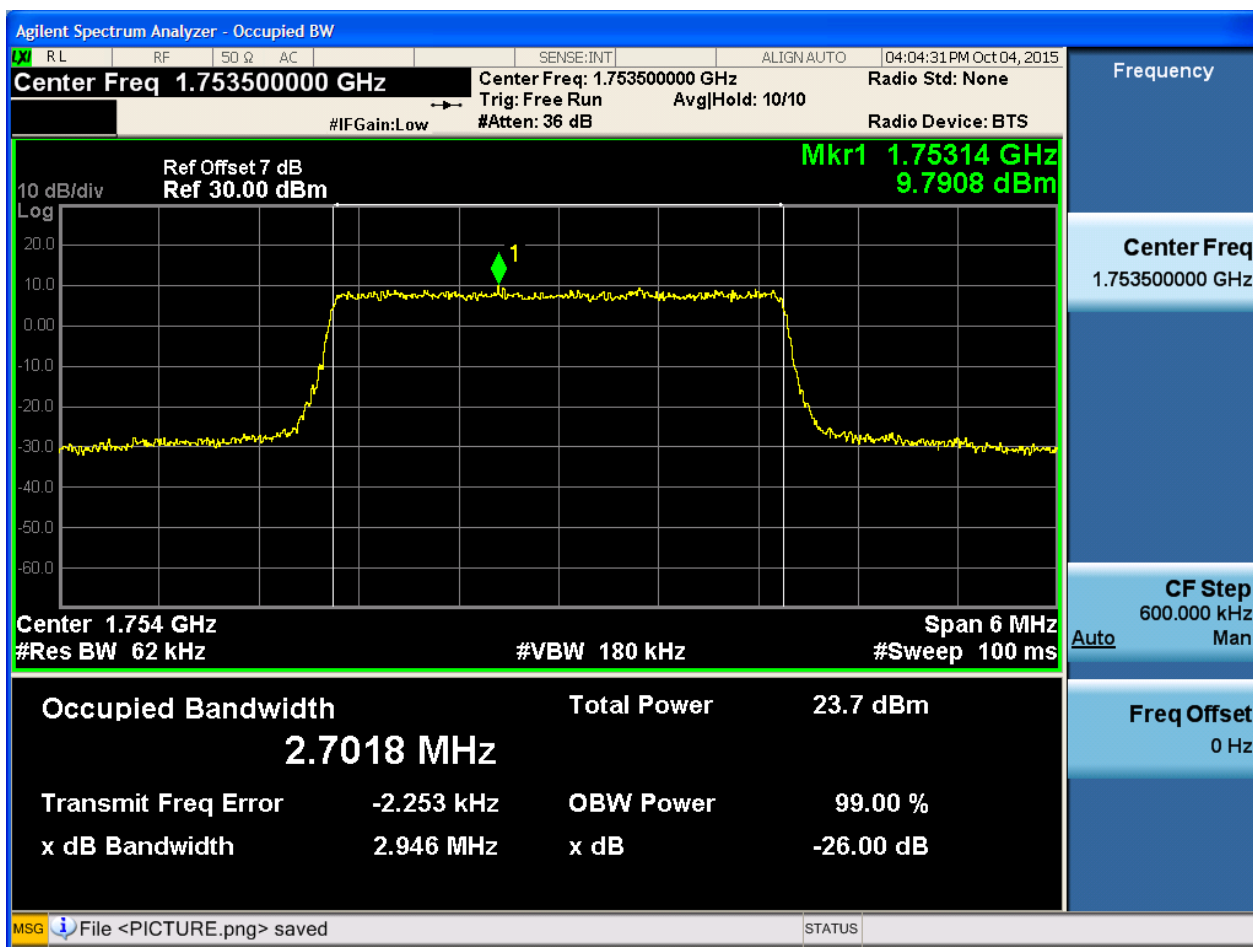
4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

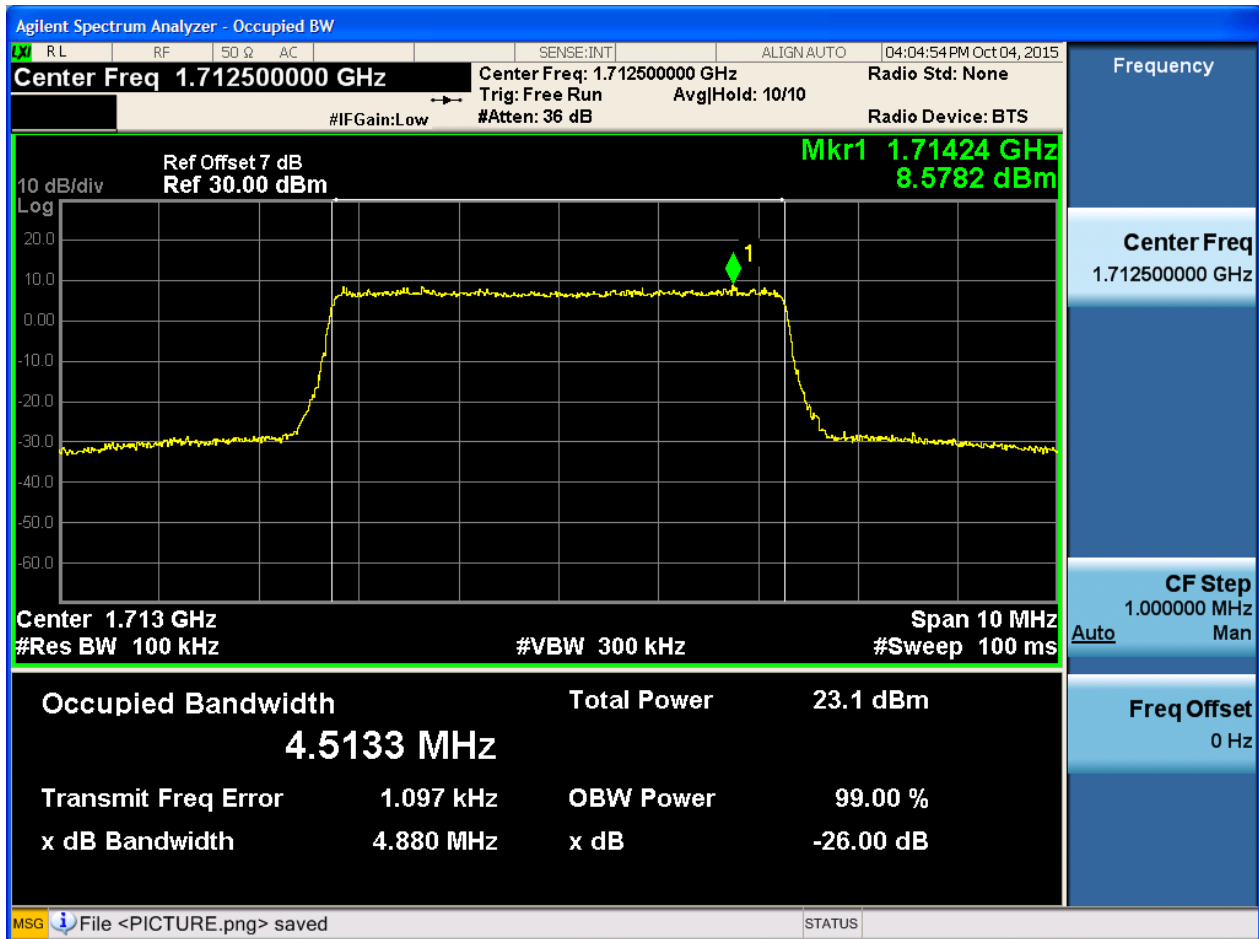




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

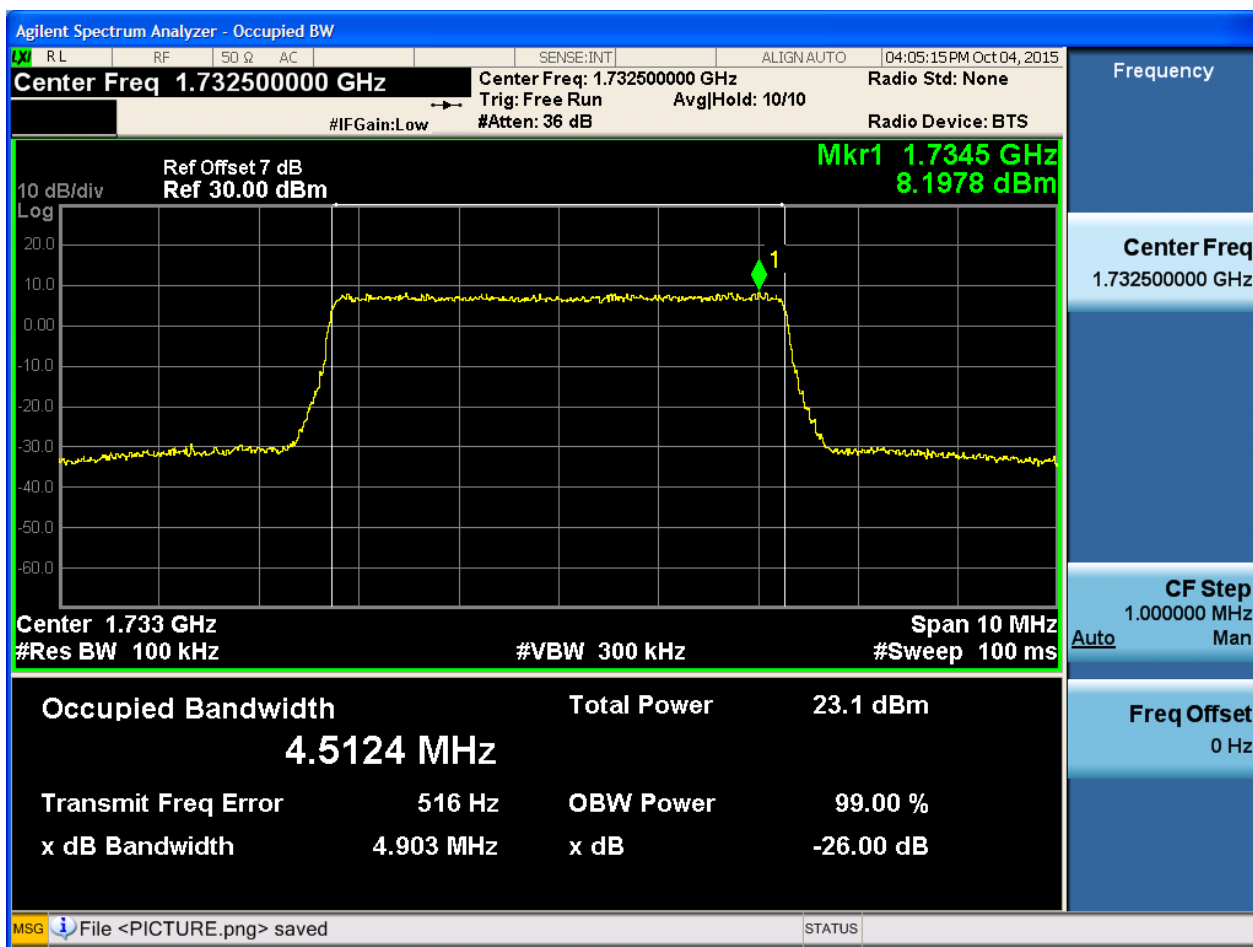
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

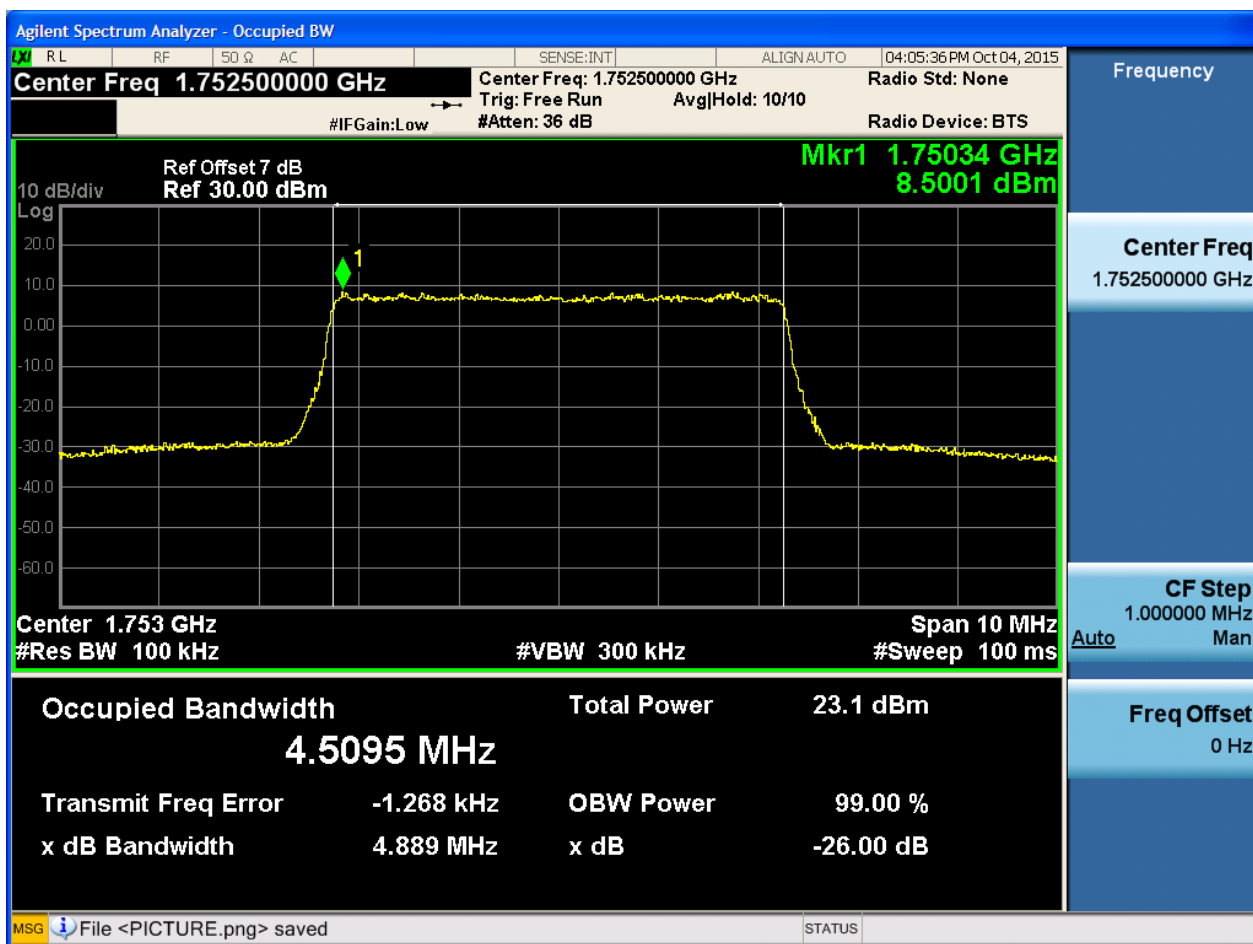
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

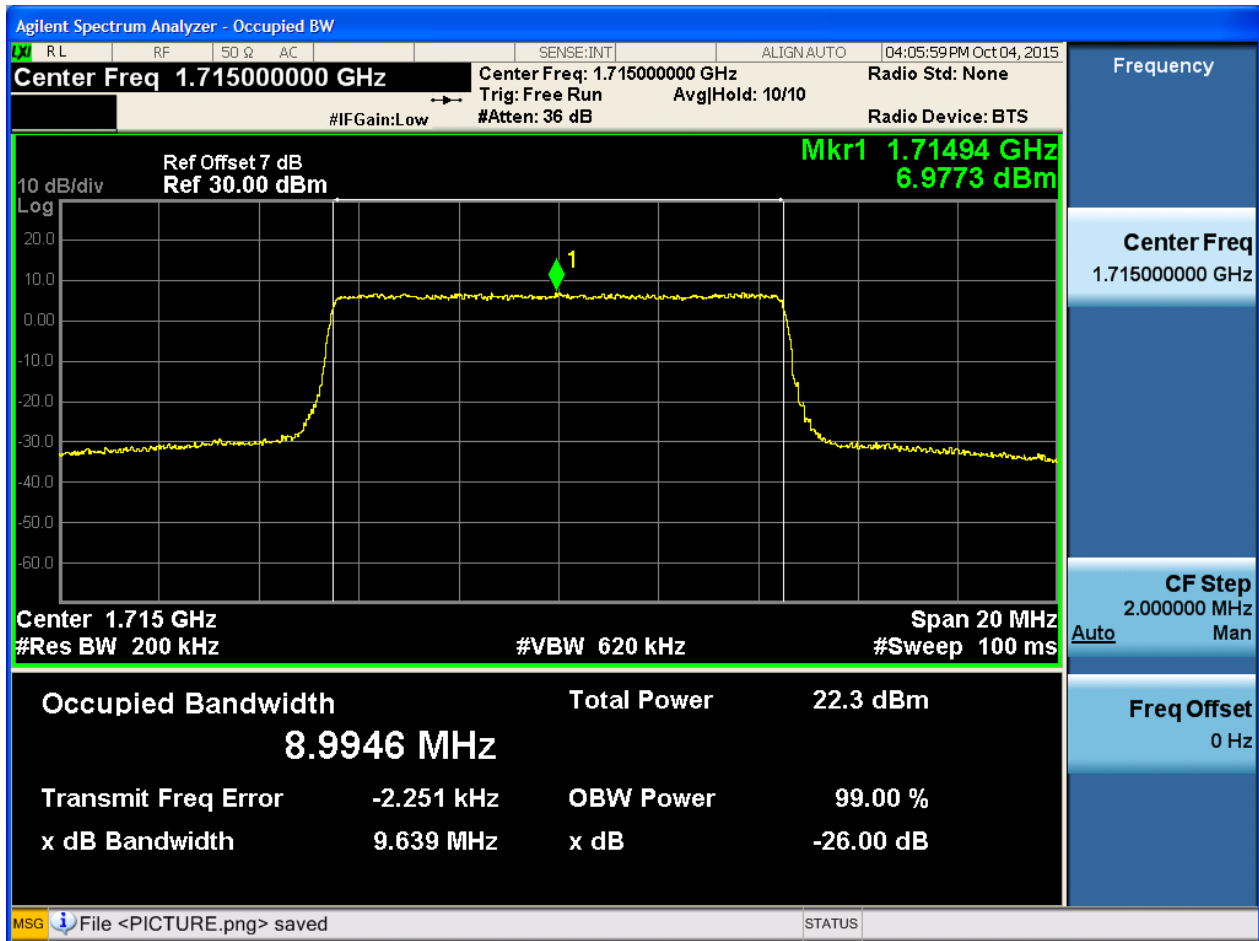




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

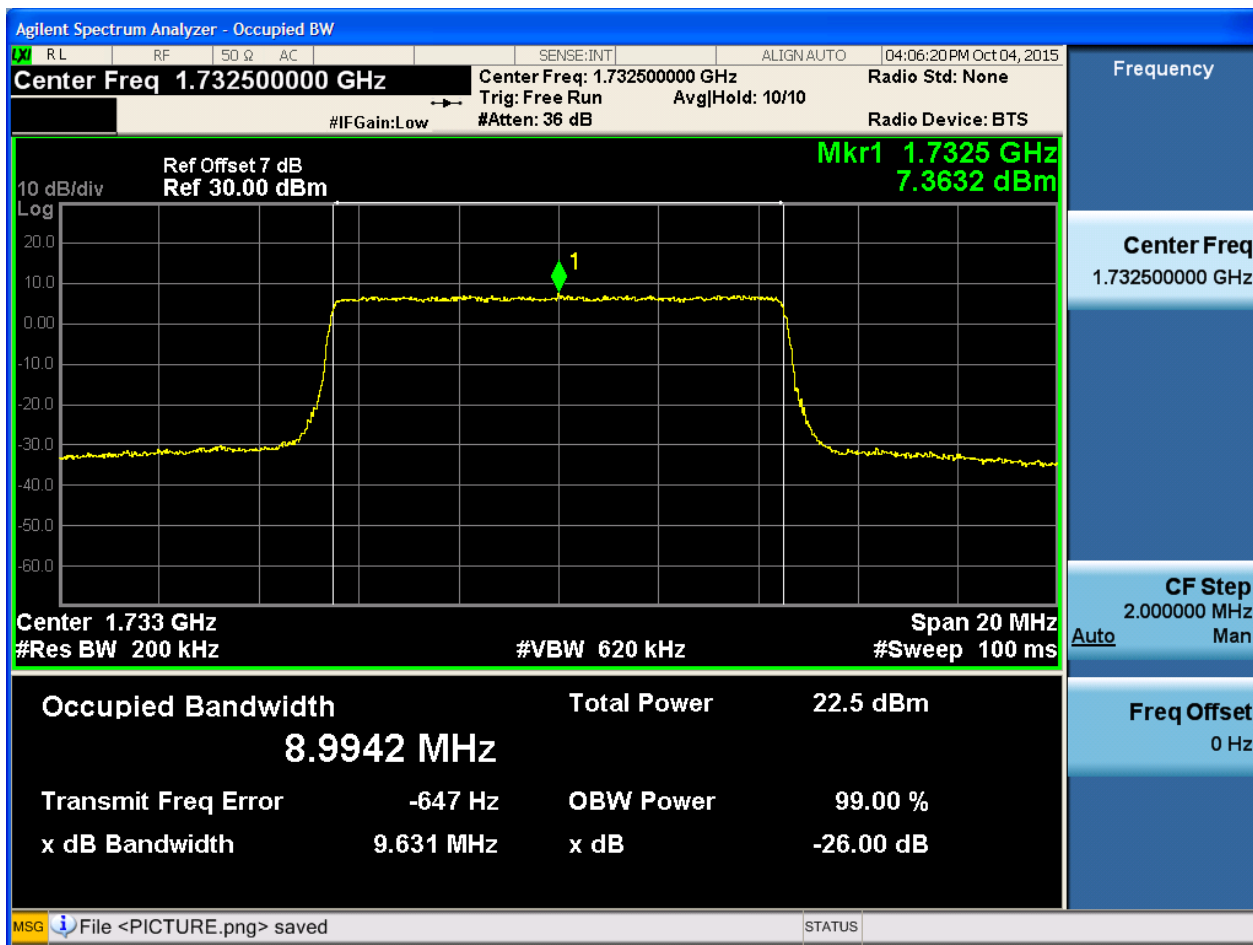
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

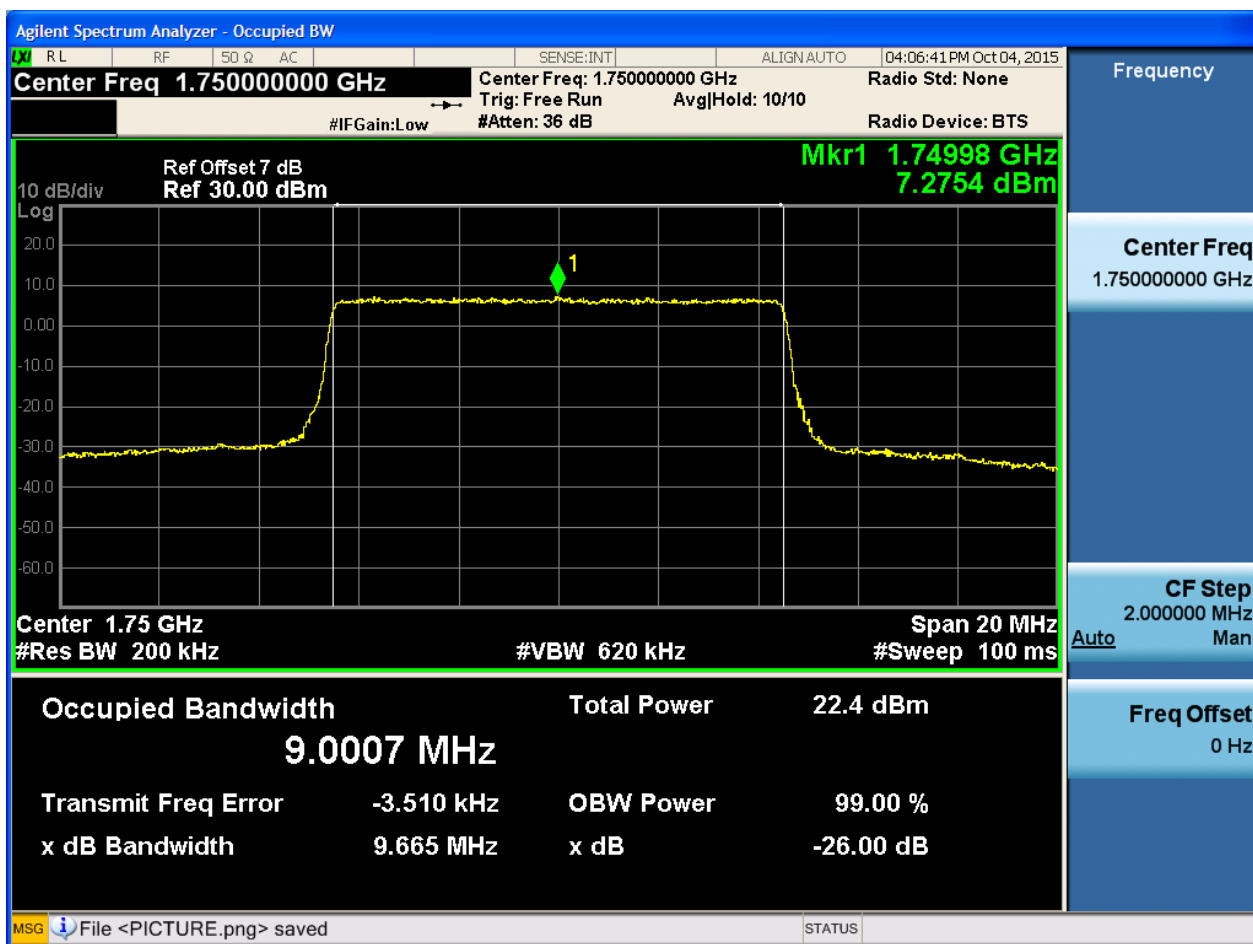
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

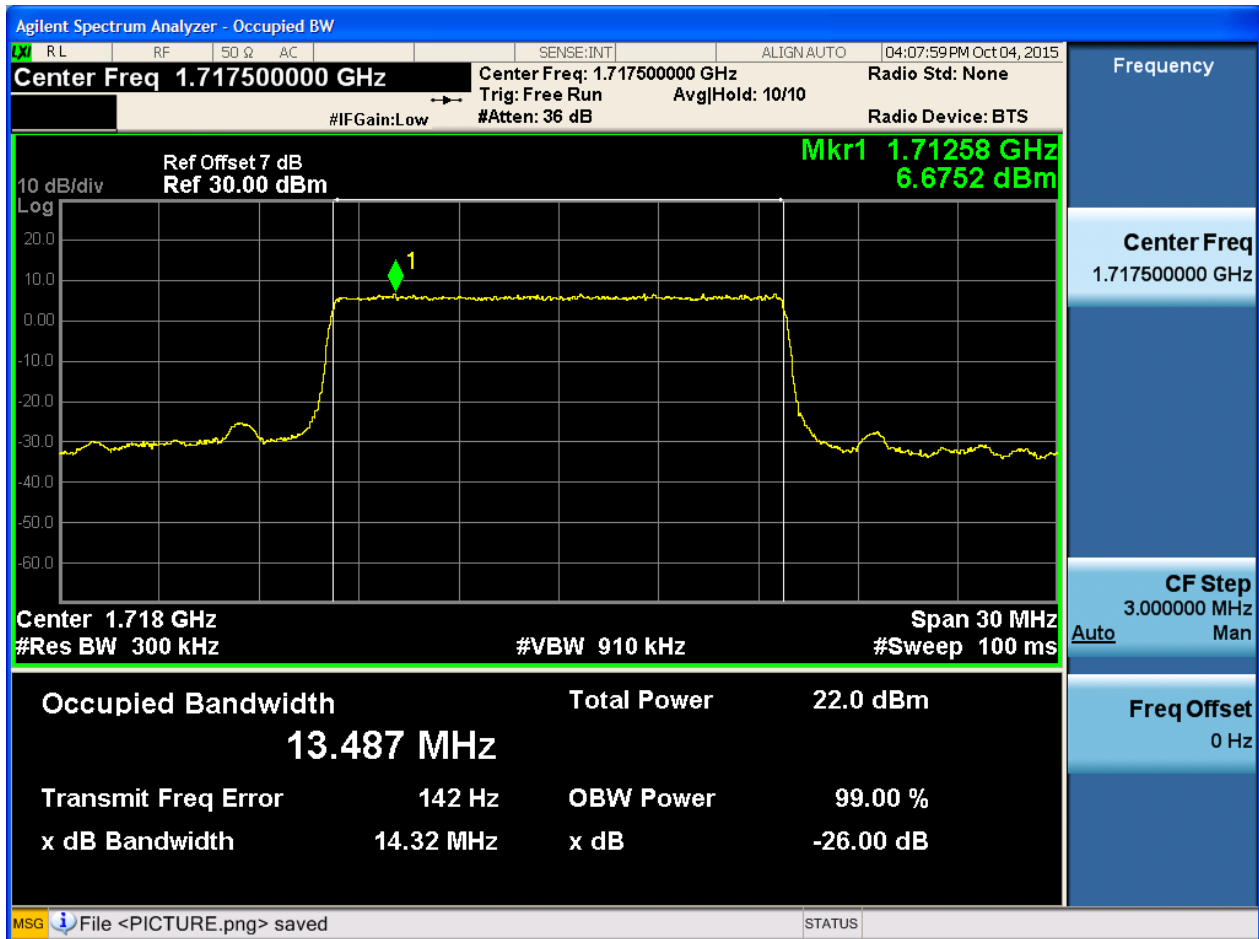




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

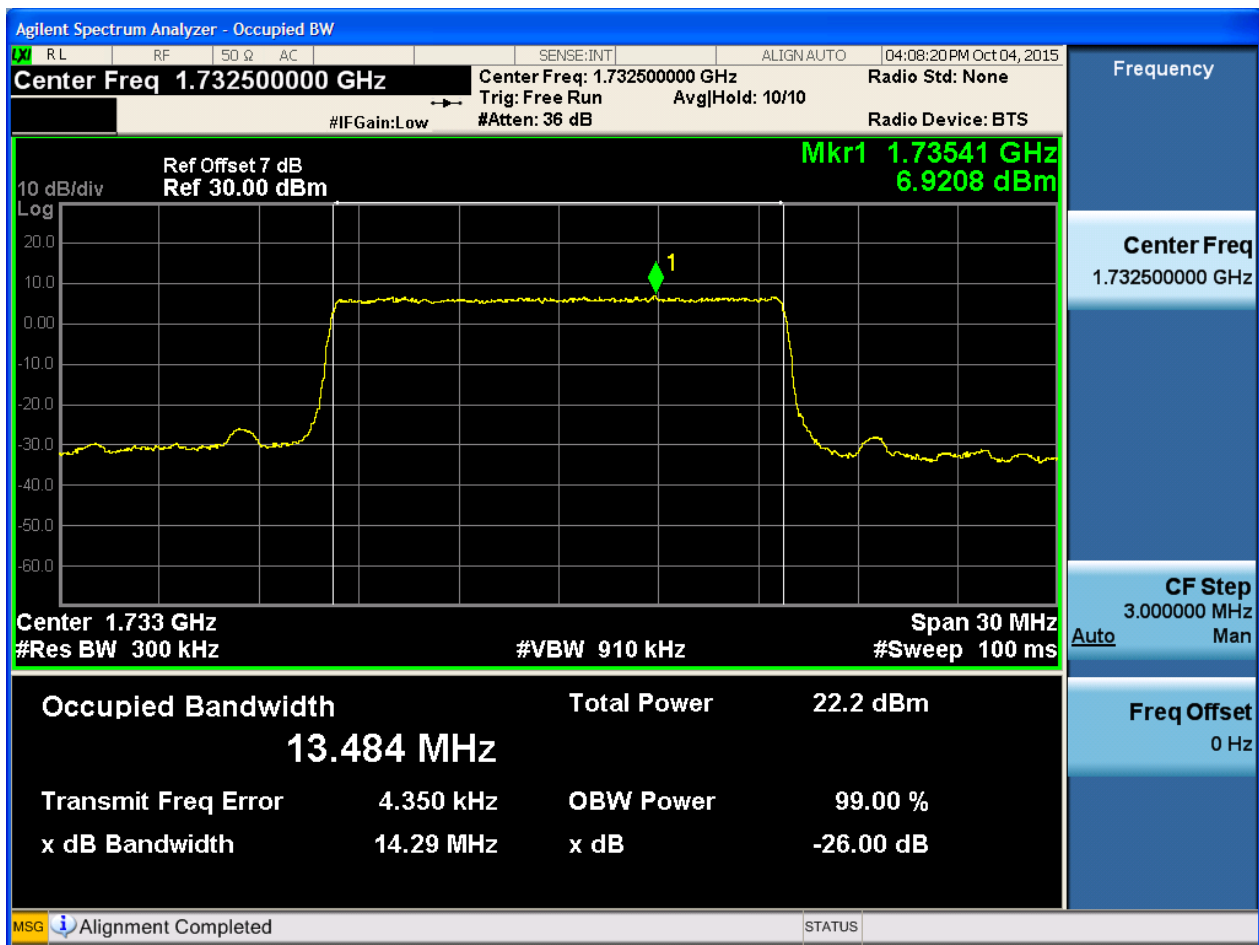
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

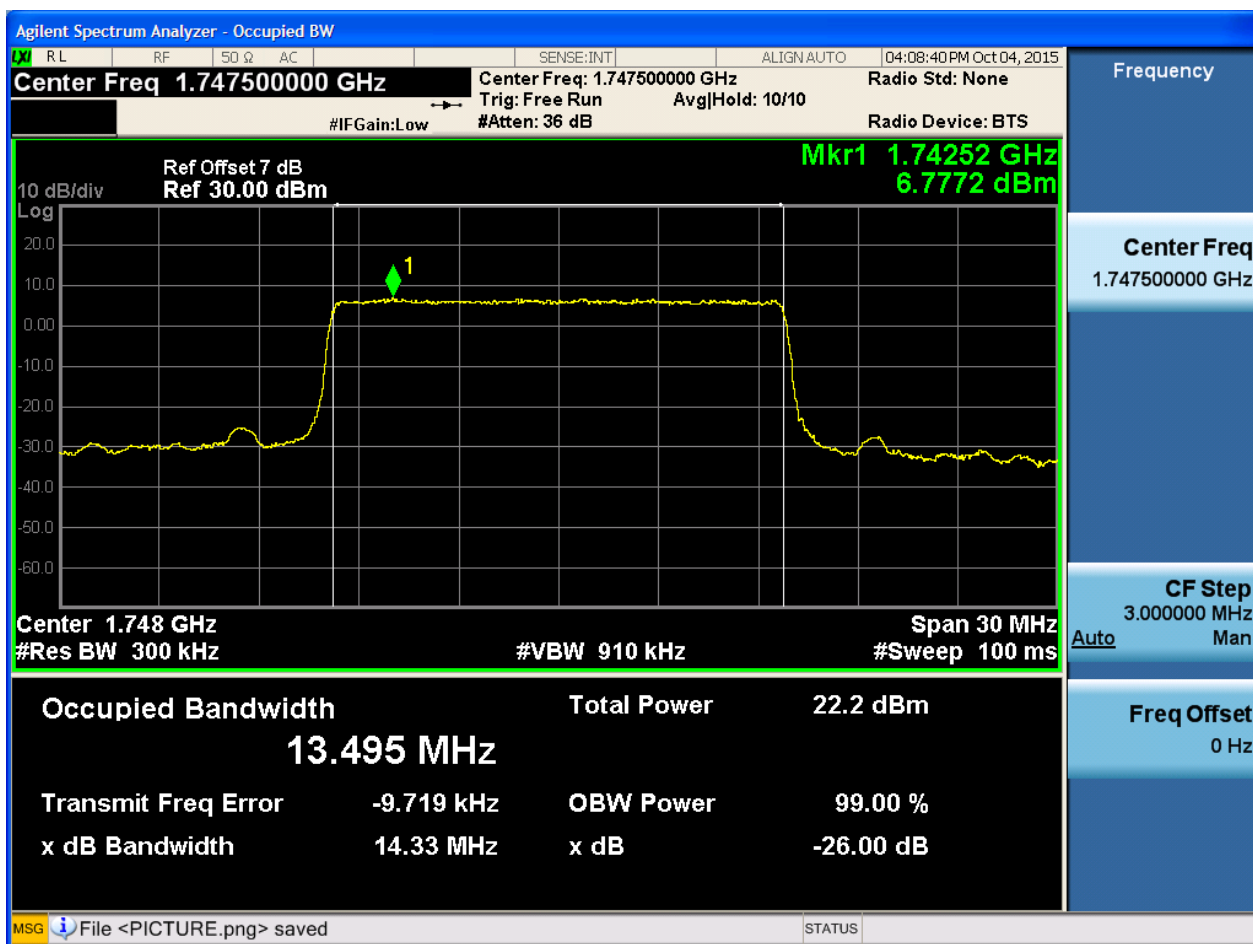
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

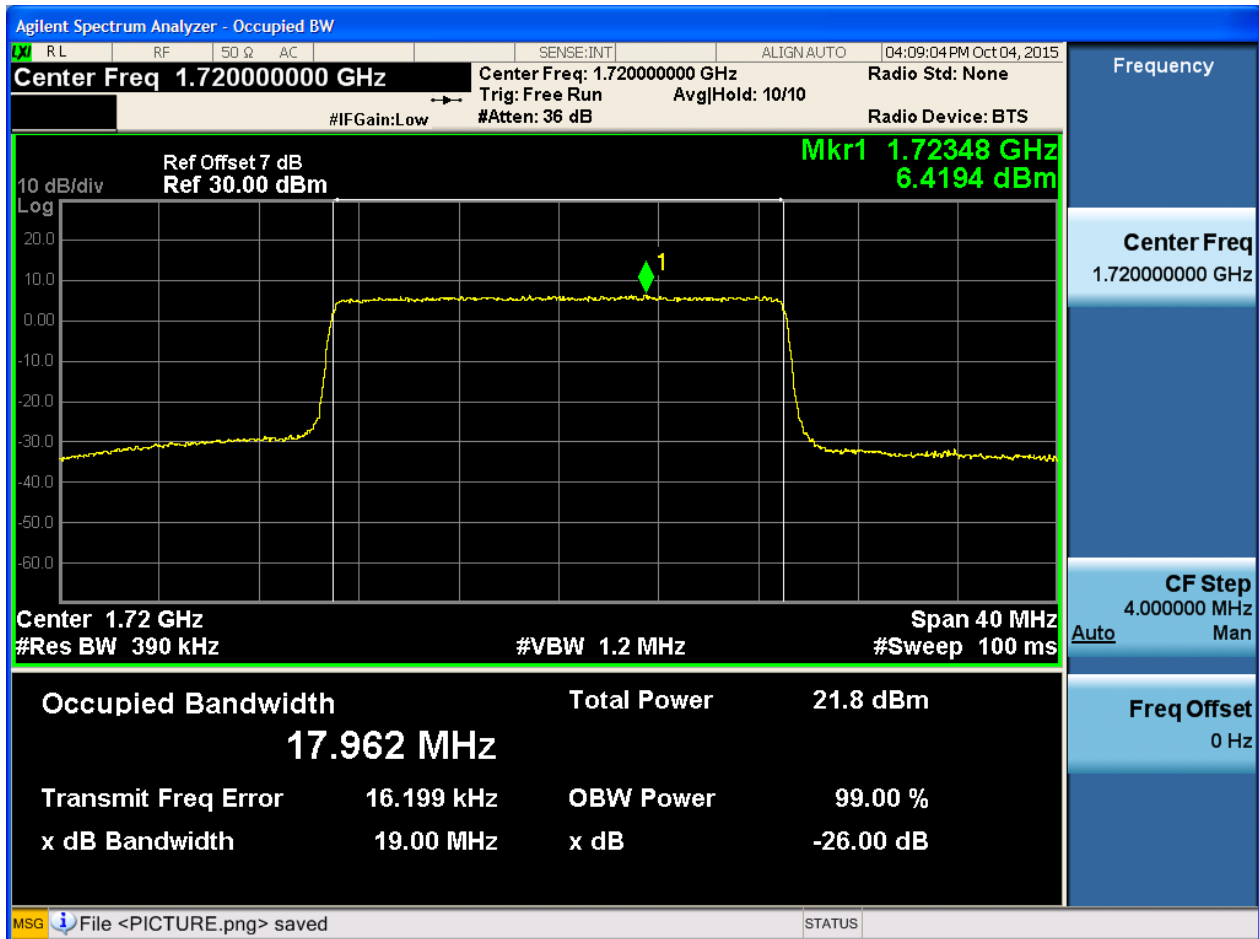




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

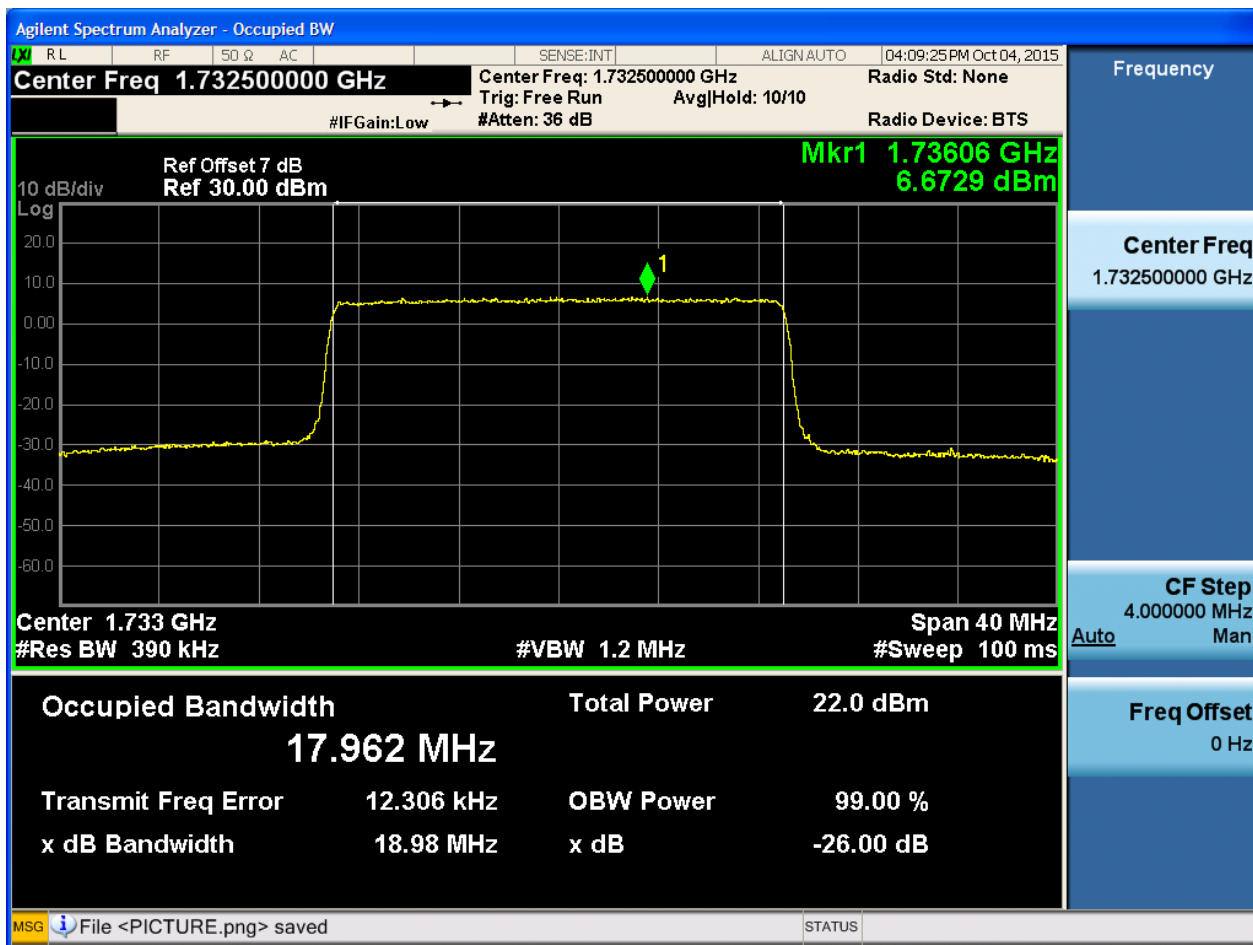
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

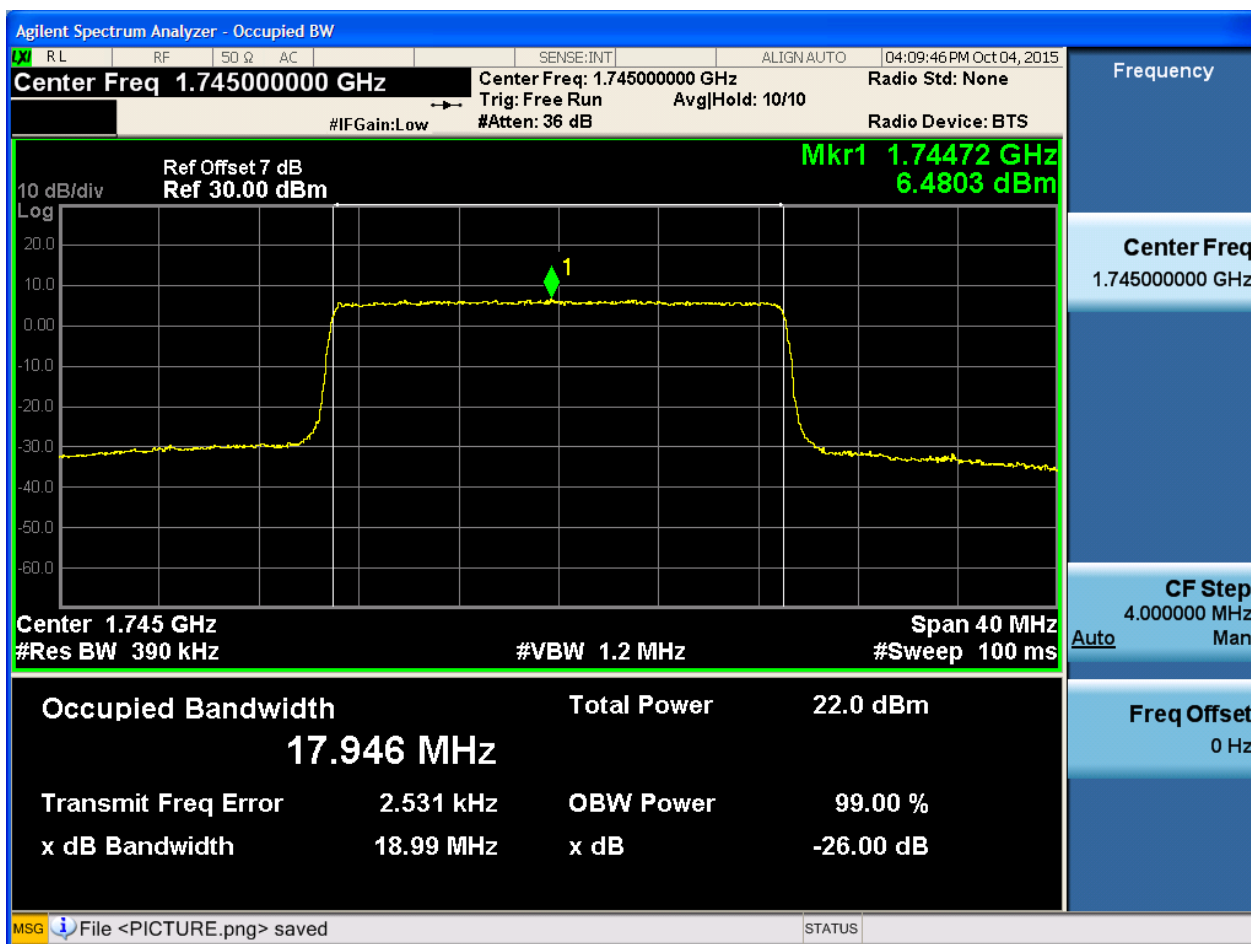
4.1.1.2.6.2.1 Test RB = RB100#0





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

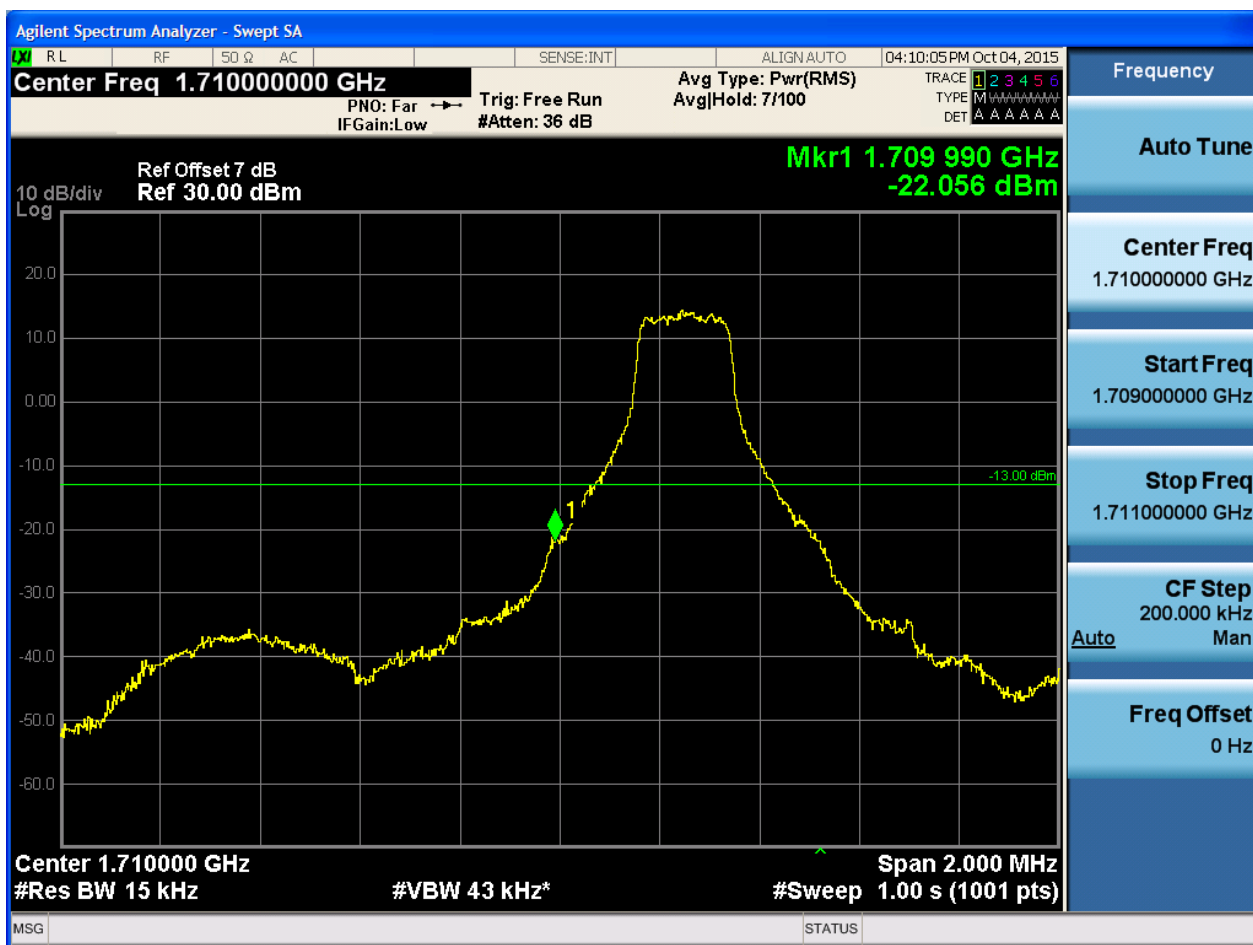
5.1.1 Test Band = BAND4

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





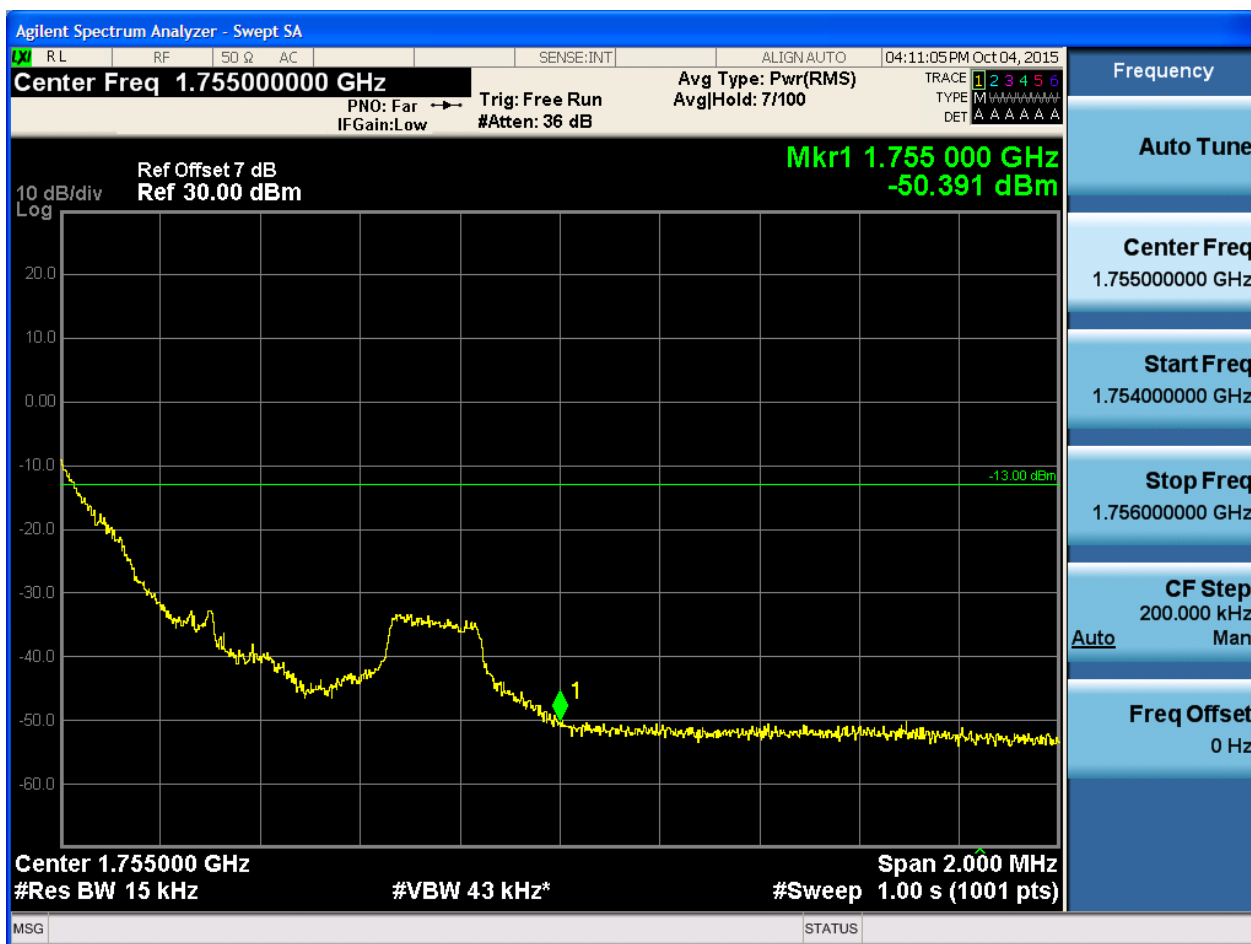
5.1.1.1.1.4 Test RB = RB6#0





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





5.1.1.1.2.3 Test RB = RB3#2





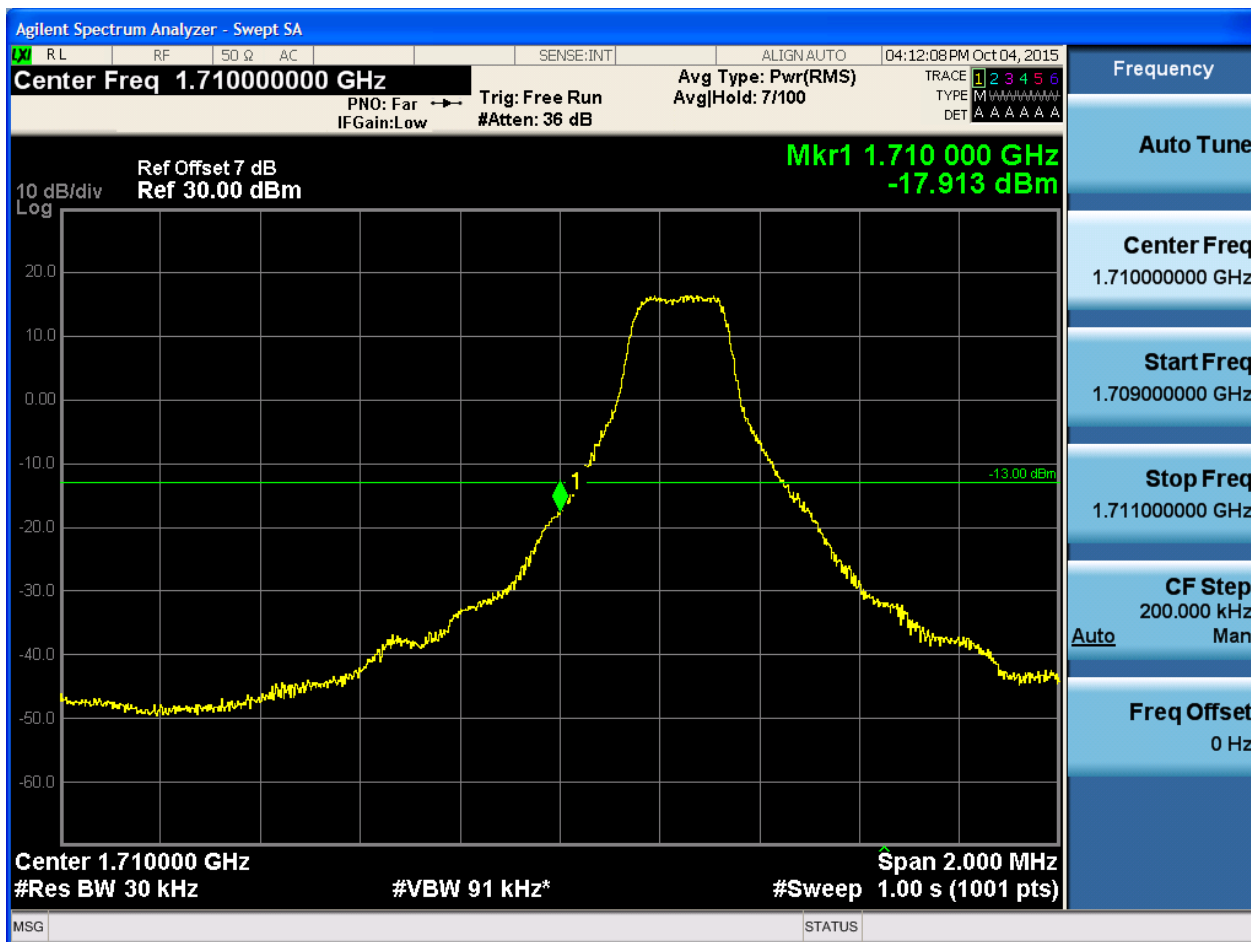
5.1.1.1.2.4 Test RB = RB6#0



5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.71000000 GHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.709 010 GHz
-45.222 dBm

Center 1.710000 GHz
#Res BW 30 kHz
#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.71000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.1.1.1.2.1.3 Test RB = RB8#4





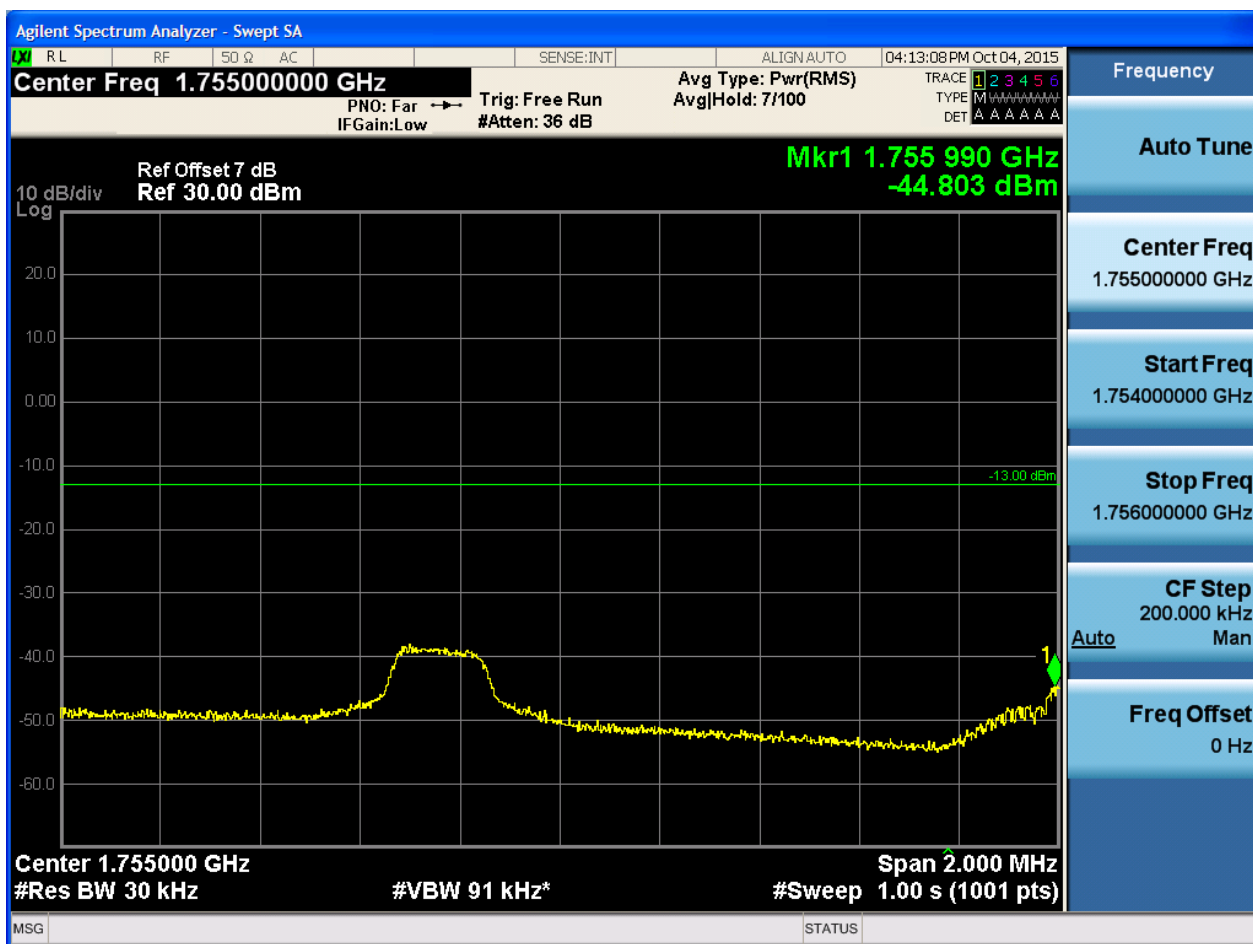
5.1.1.1.2.1.4 Test RB = RB15#0





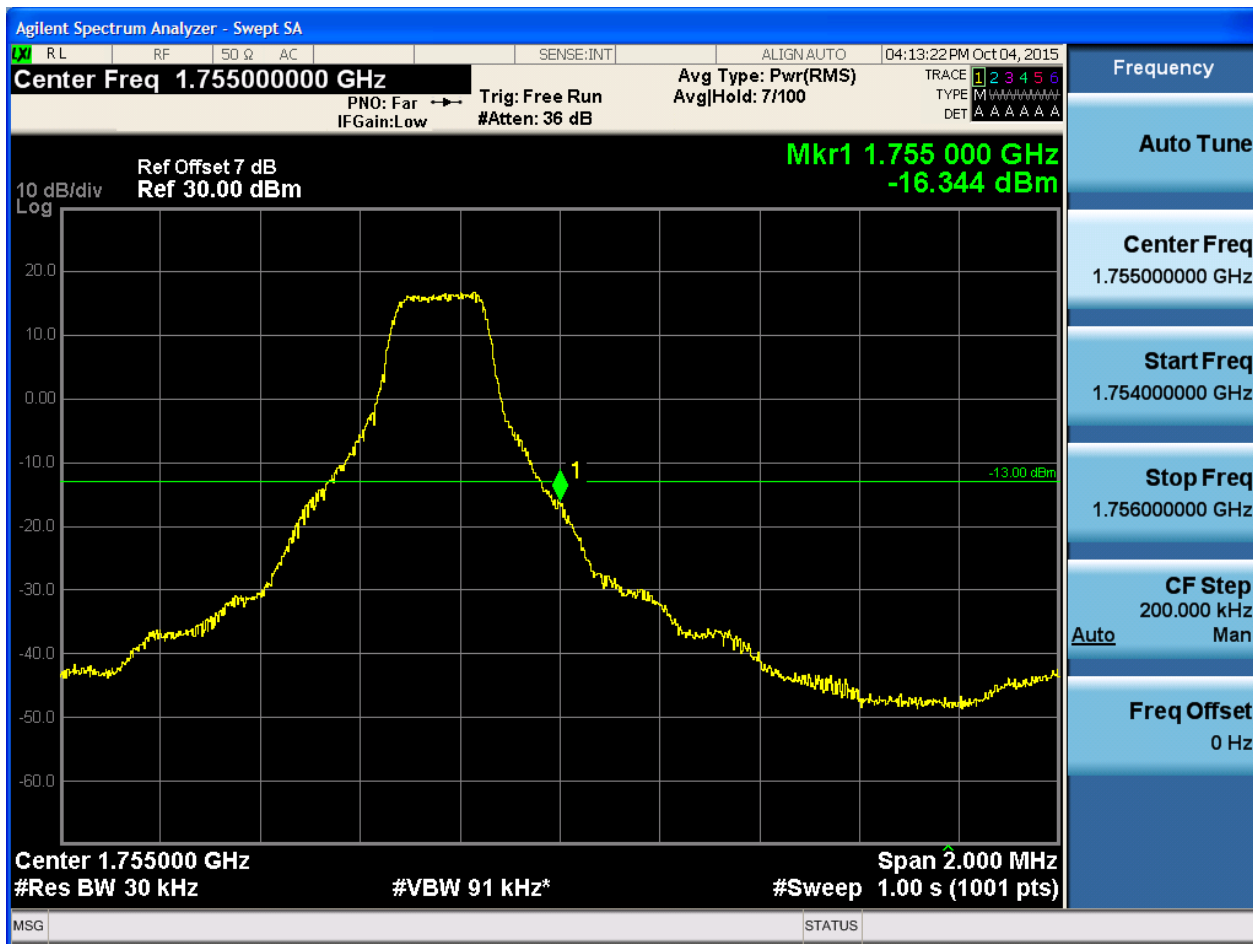
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





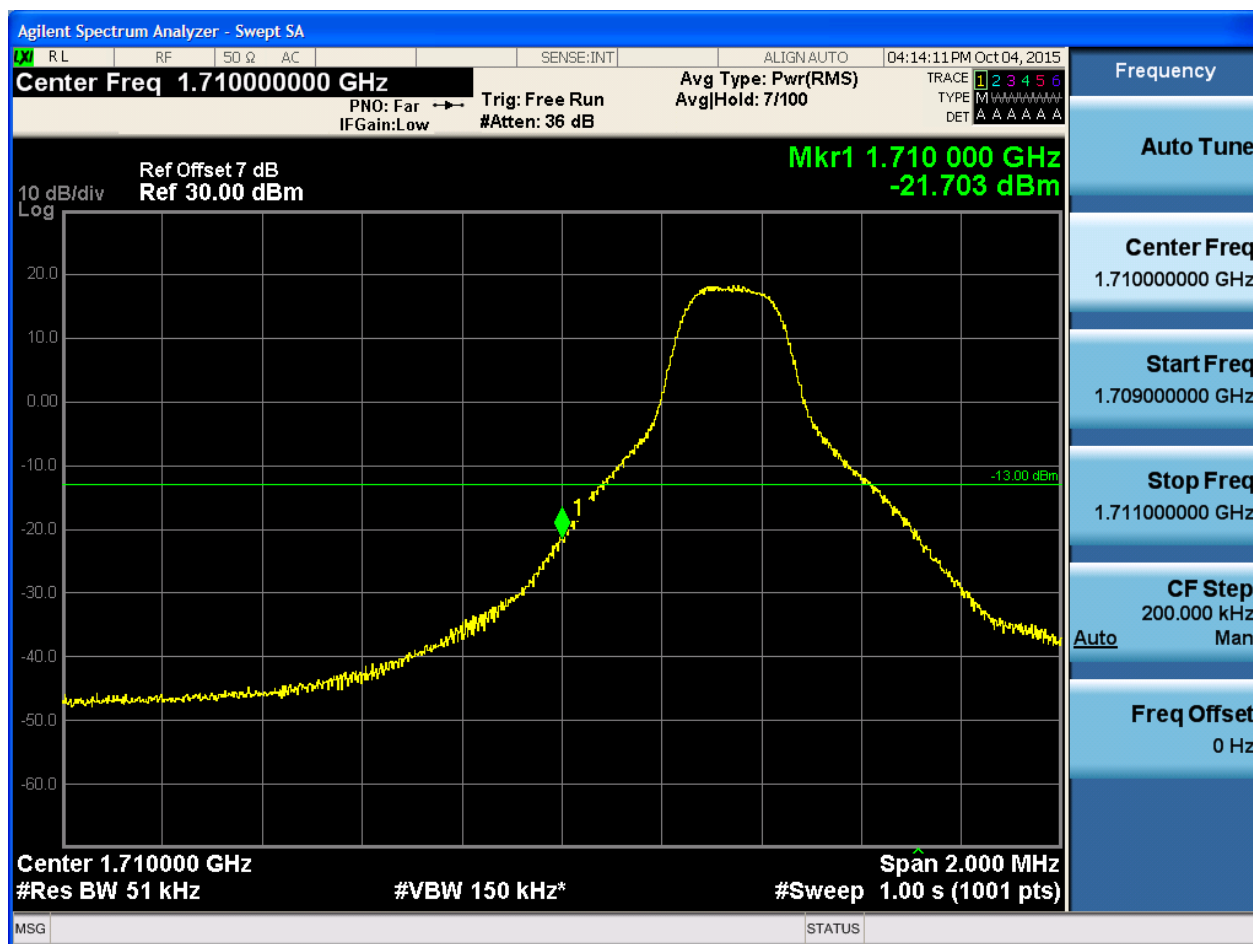
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

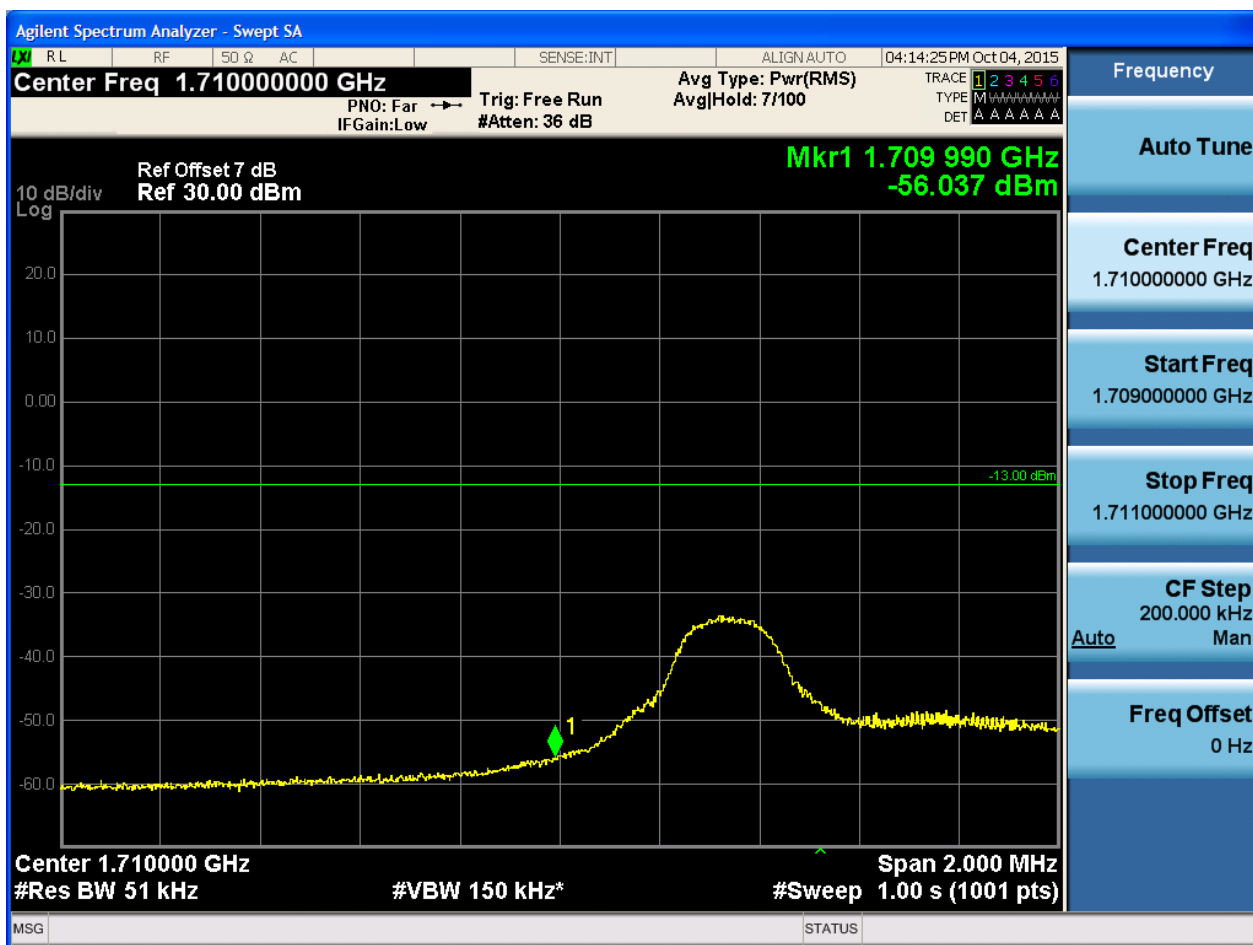
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



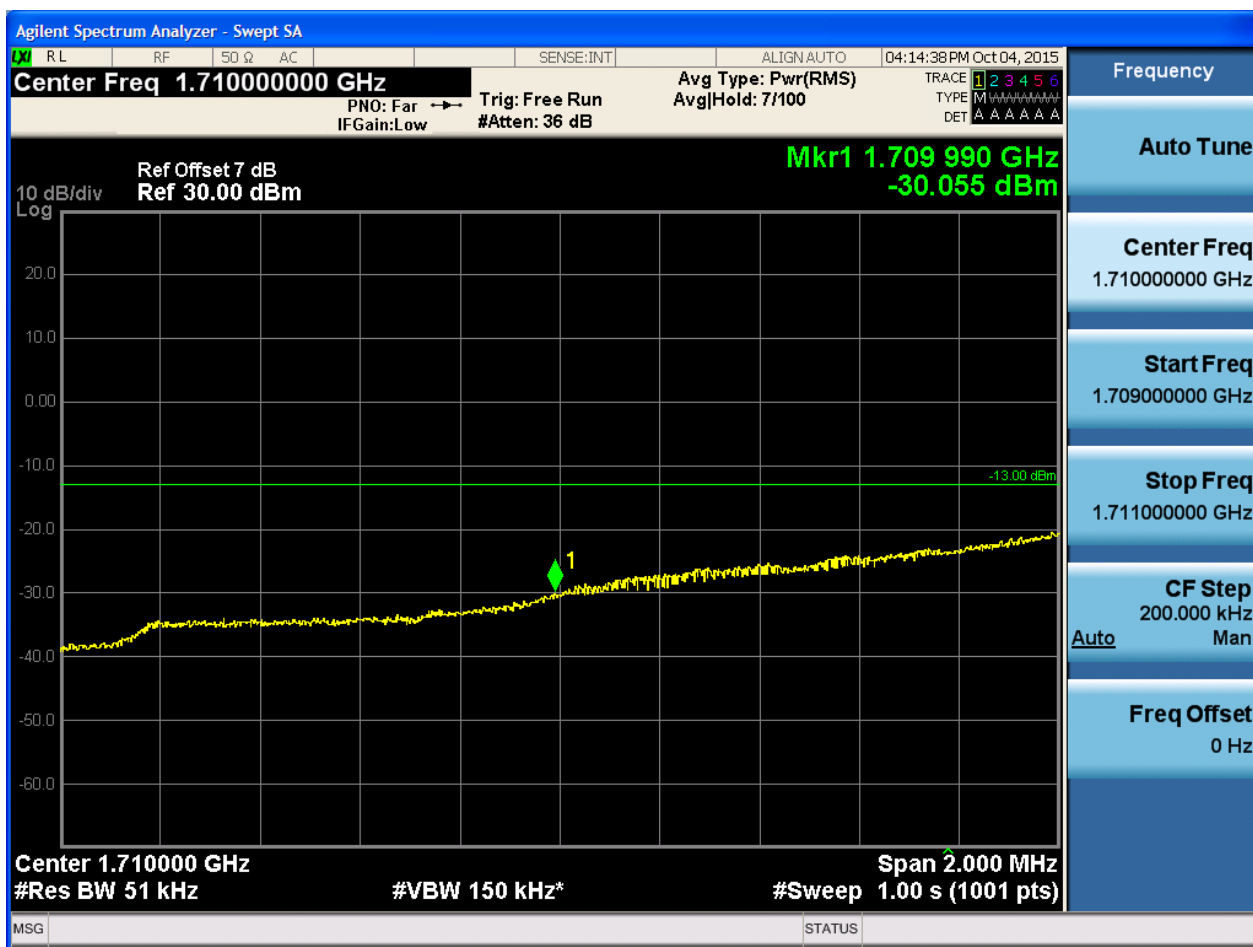


5.1.1.1.3.1.2 Test RB = RB1#24



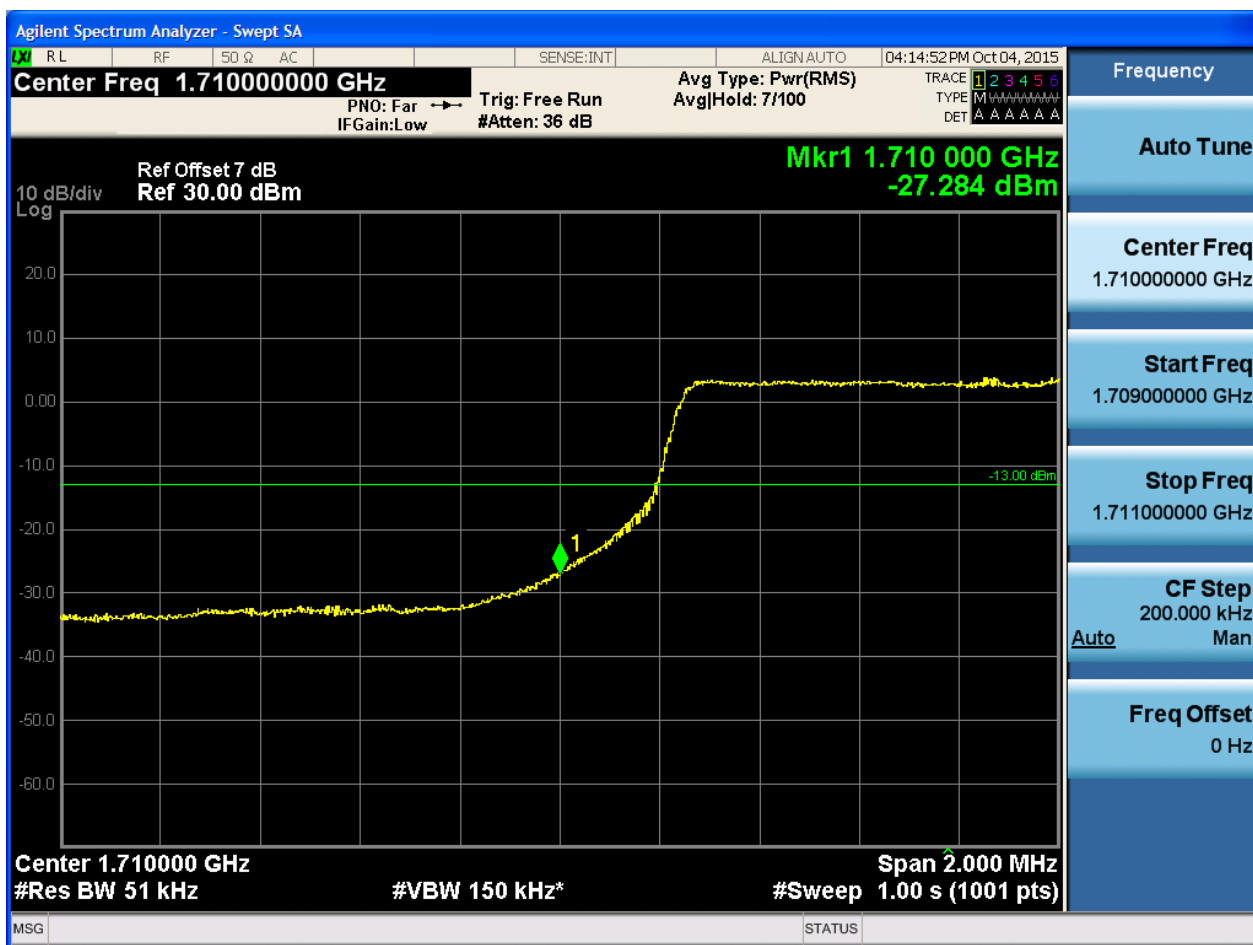


5.1.1.1.3.1.3 Test RB = RB12#6



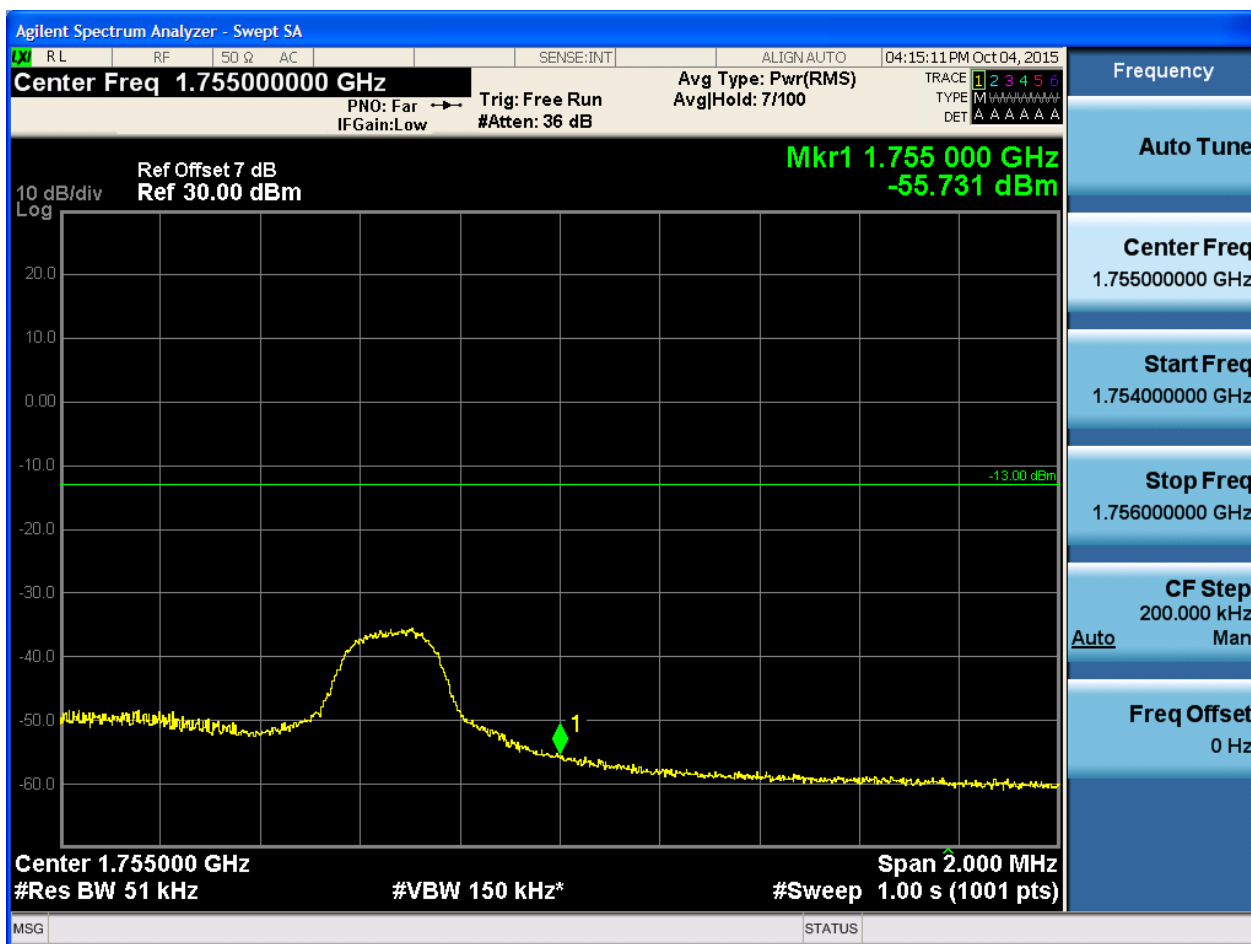


5.1.1.1.3.1.4 Test RB = RB25#0



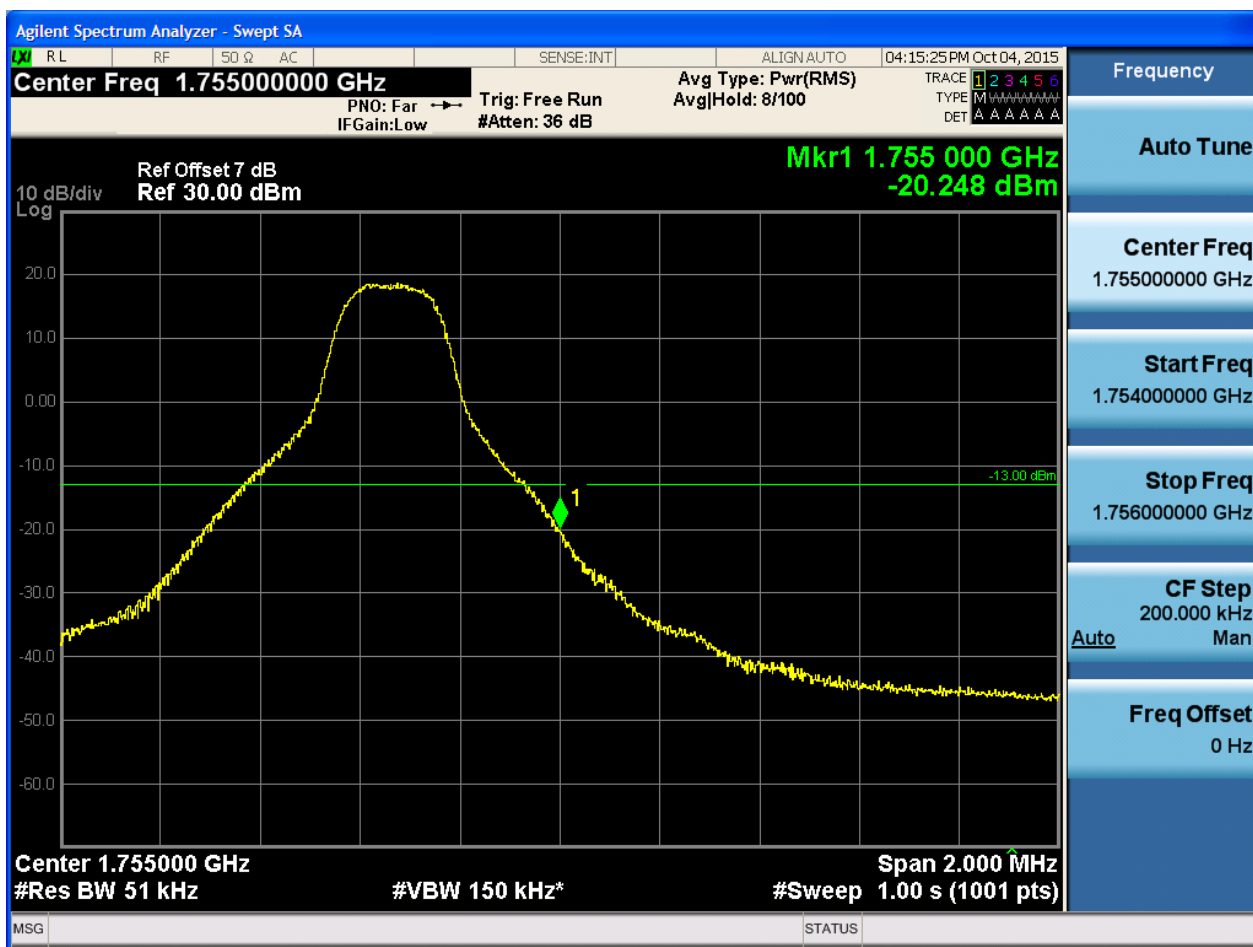
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





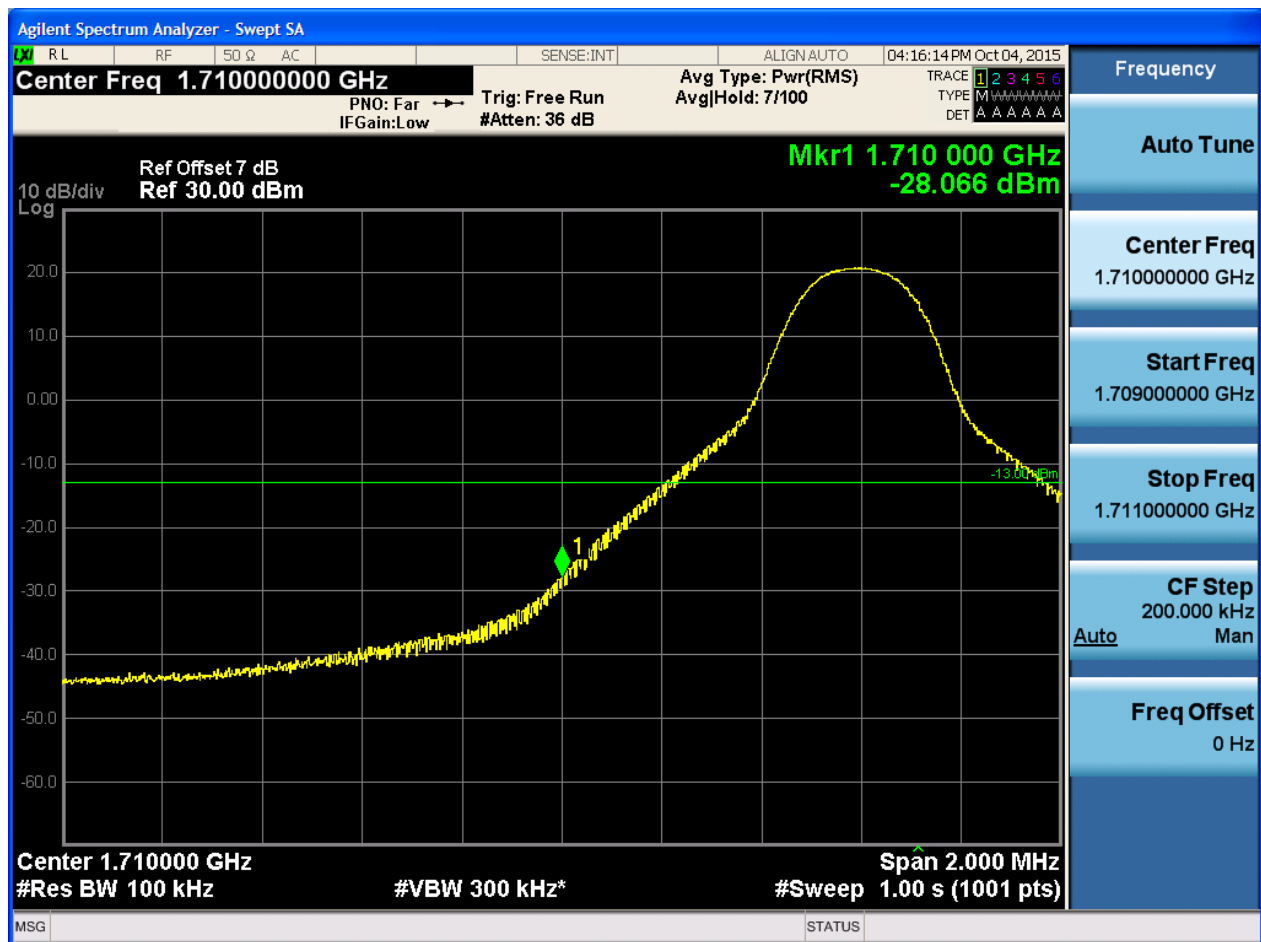
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

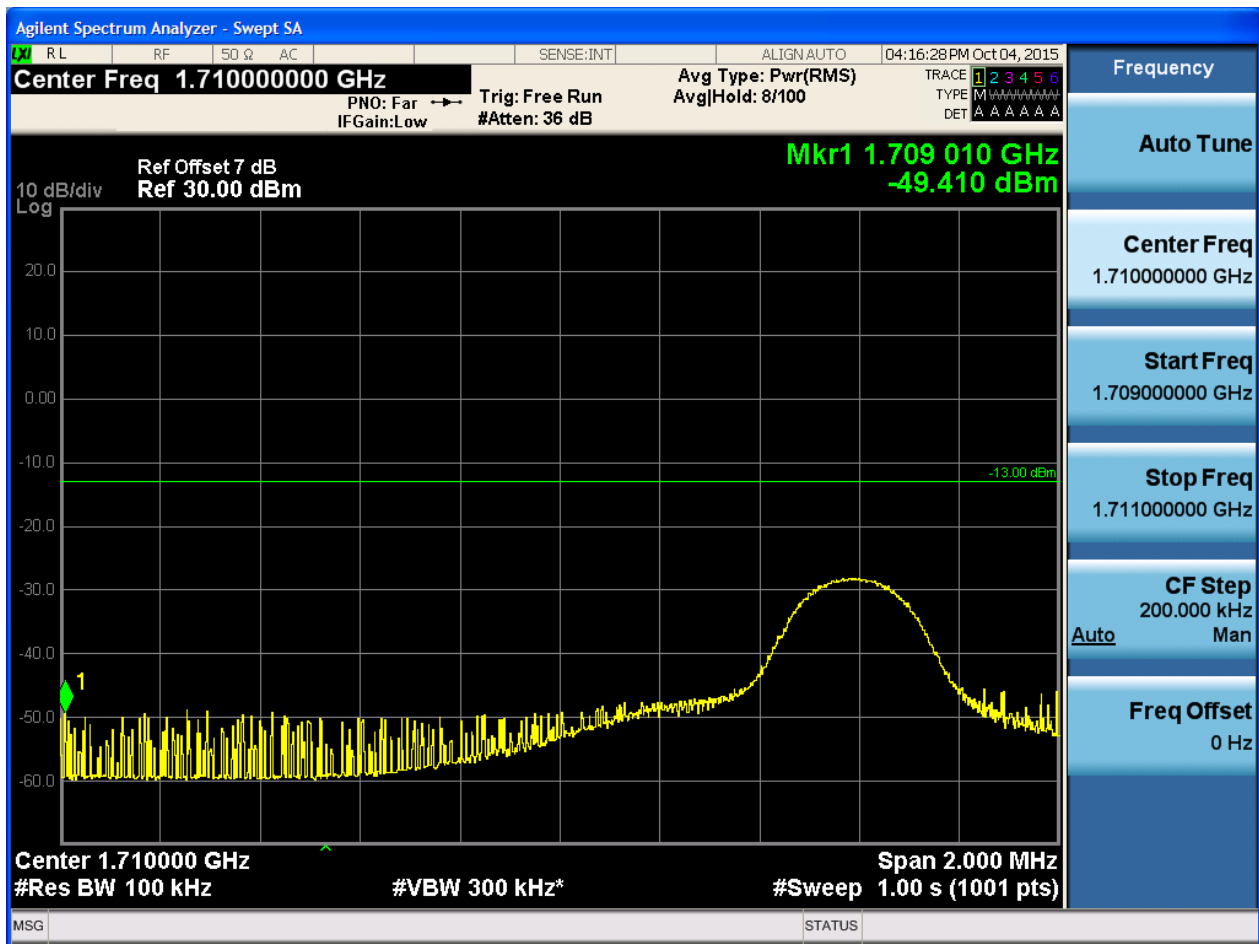
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



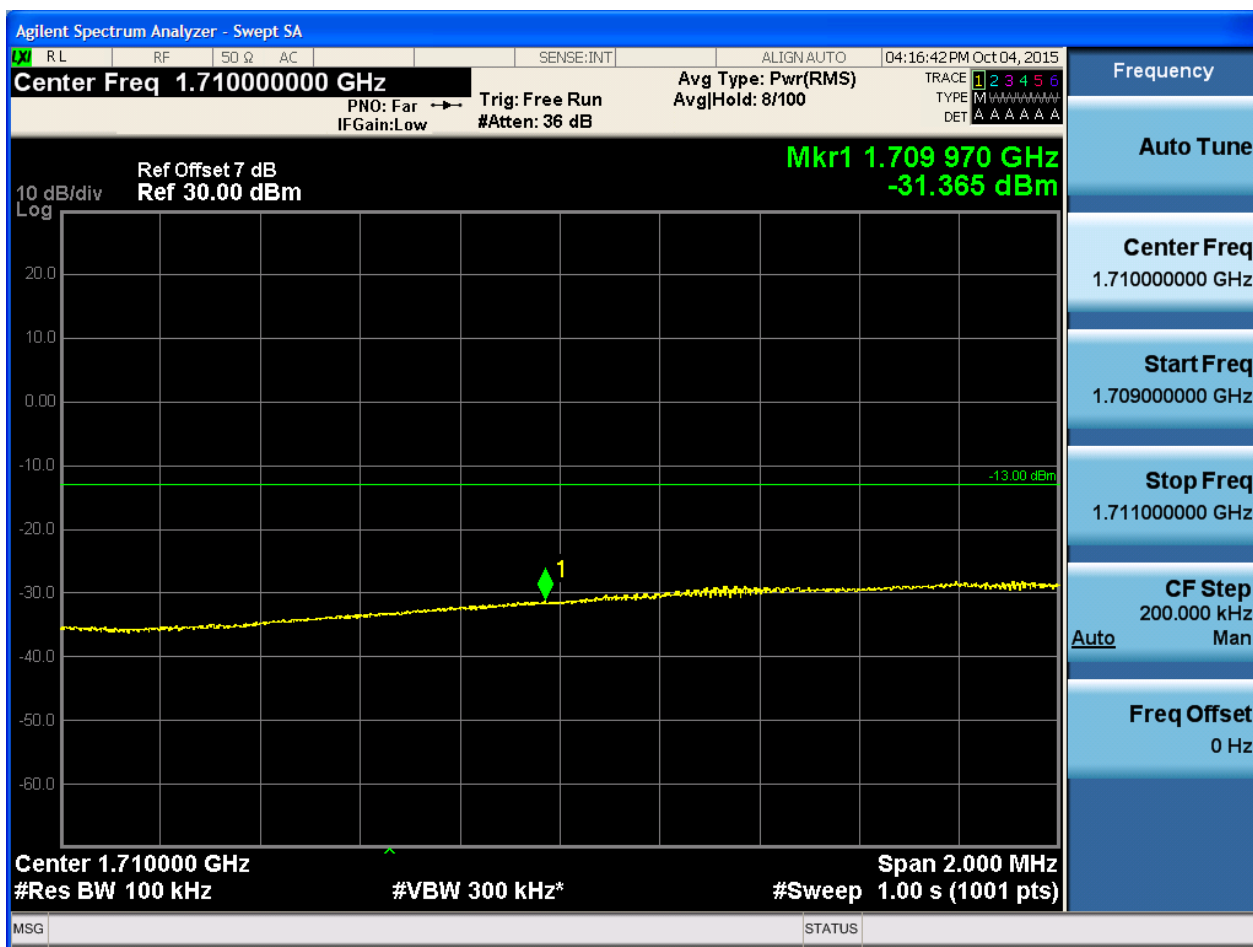


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





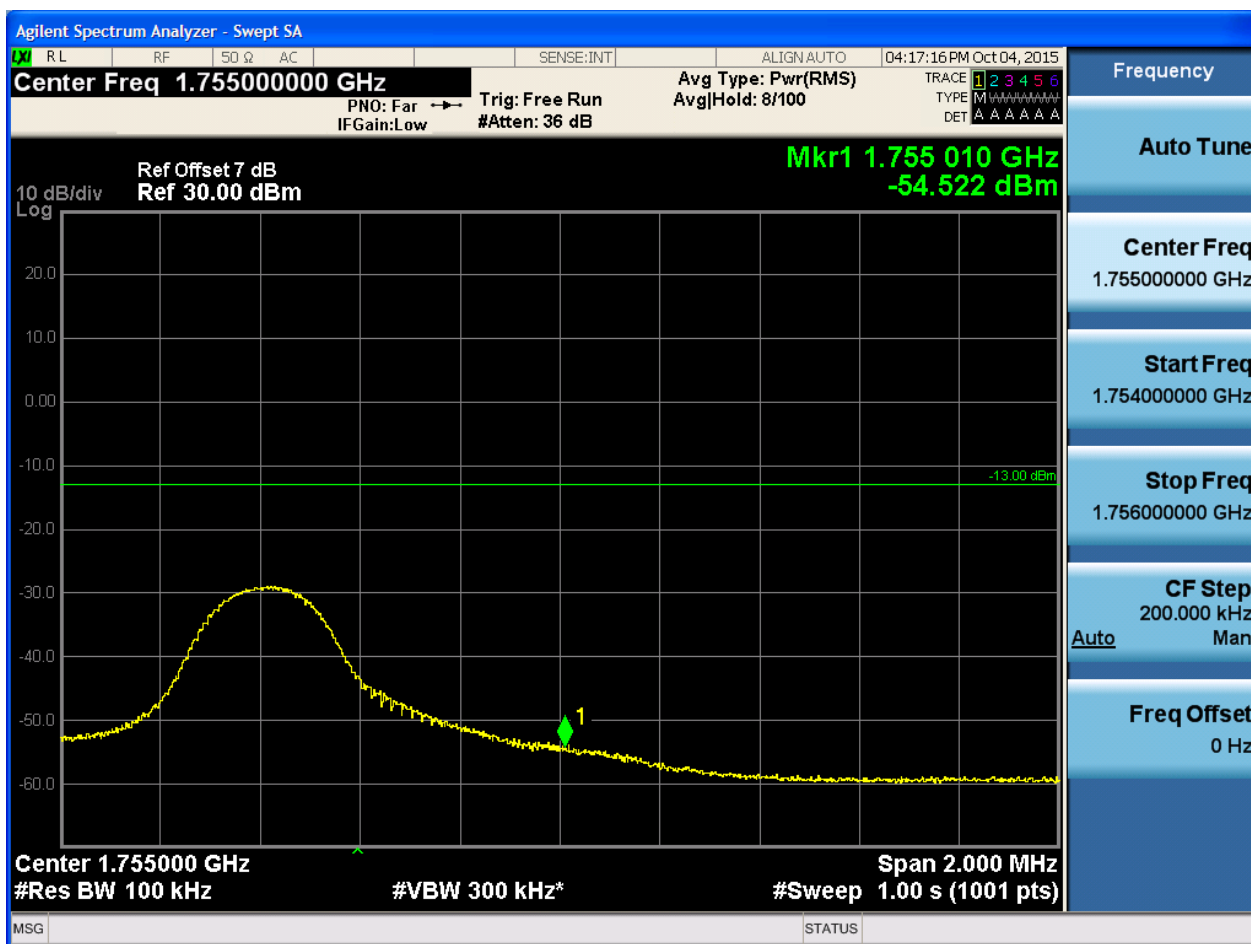
5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



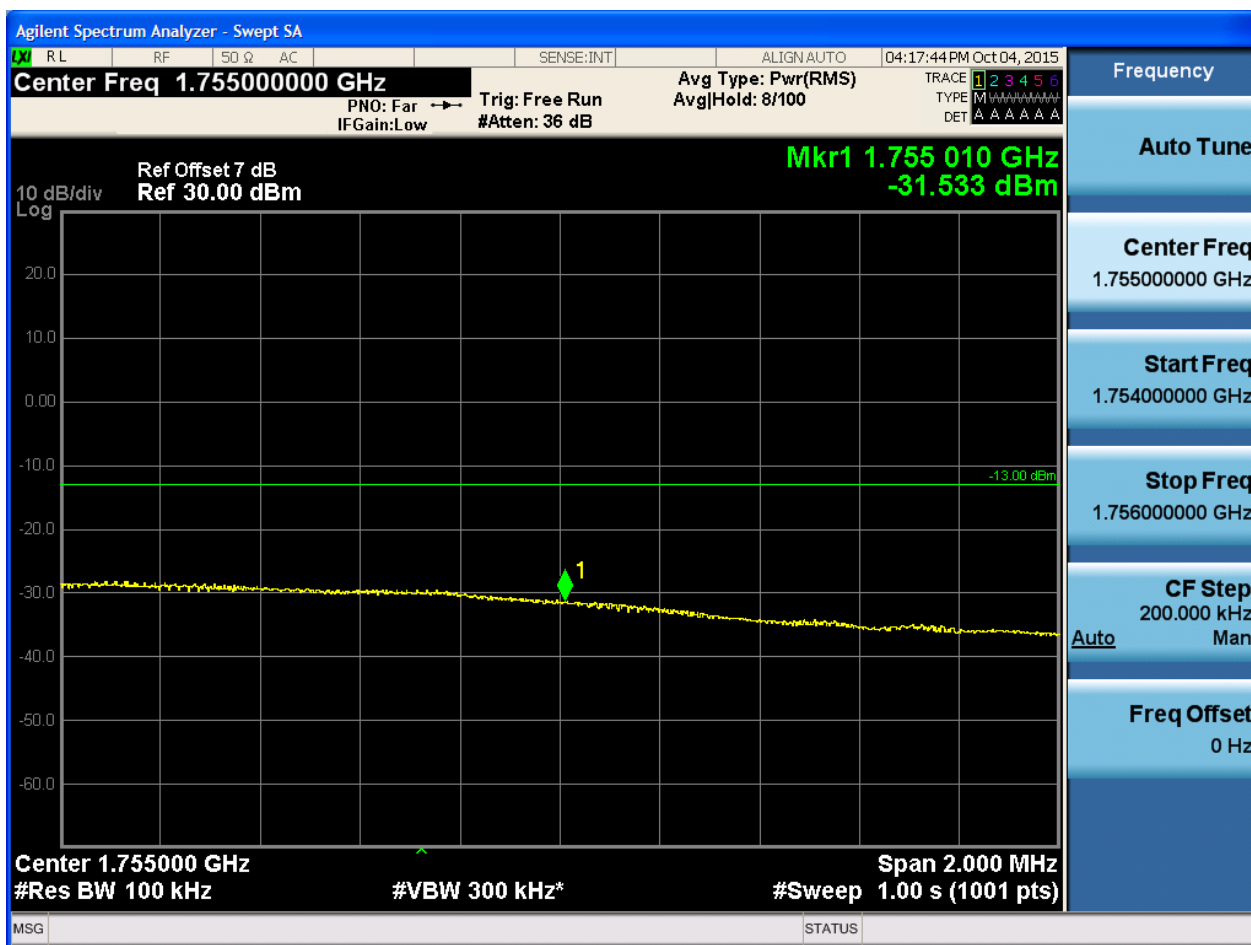


5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





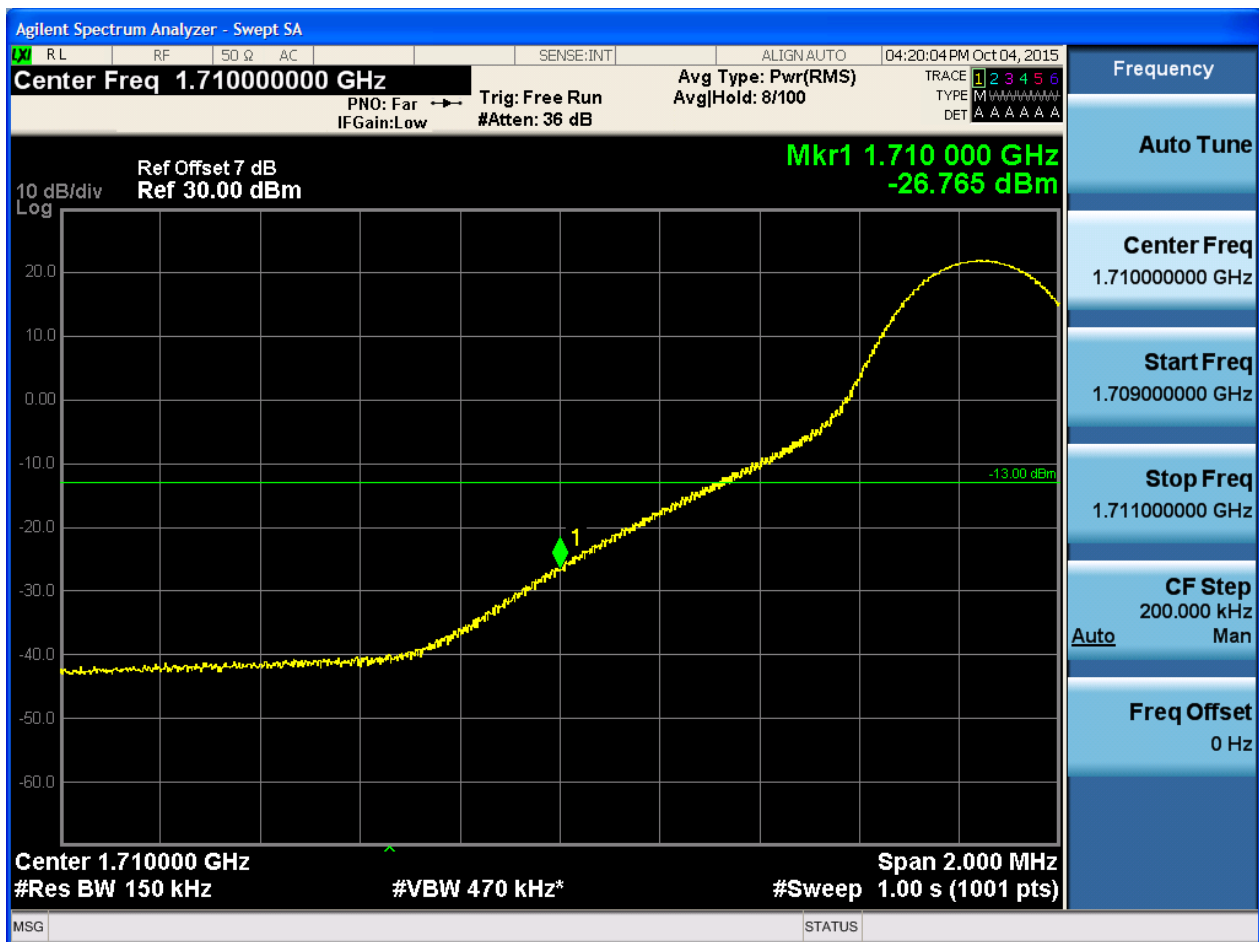
5.1.1.1.4.2.4 Test RB = RB50#0



5.1.1.1.5 Test Bandwidth = 15

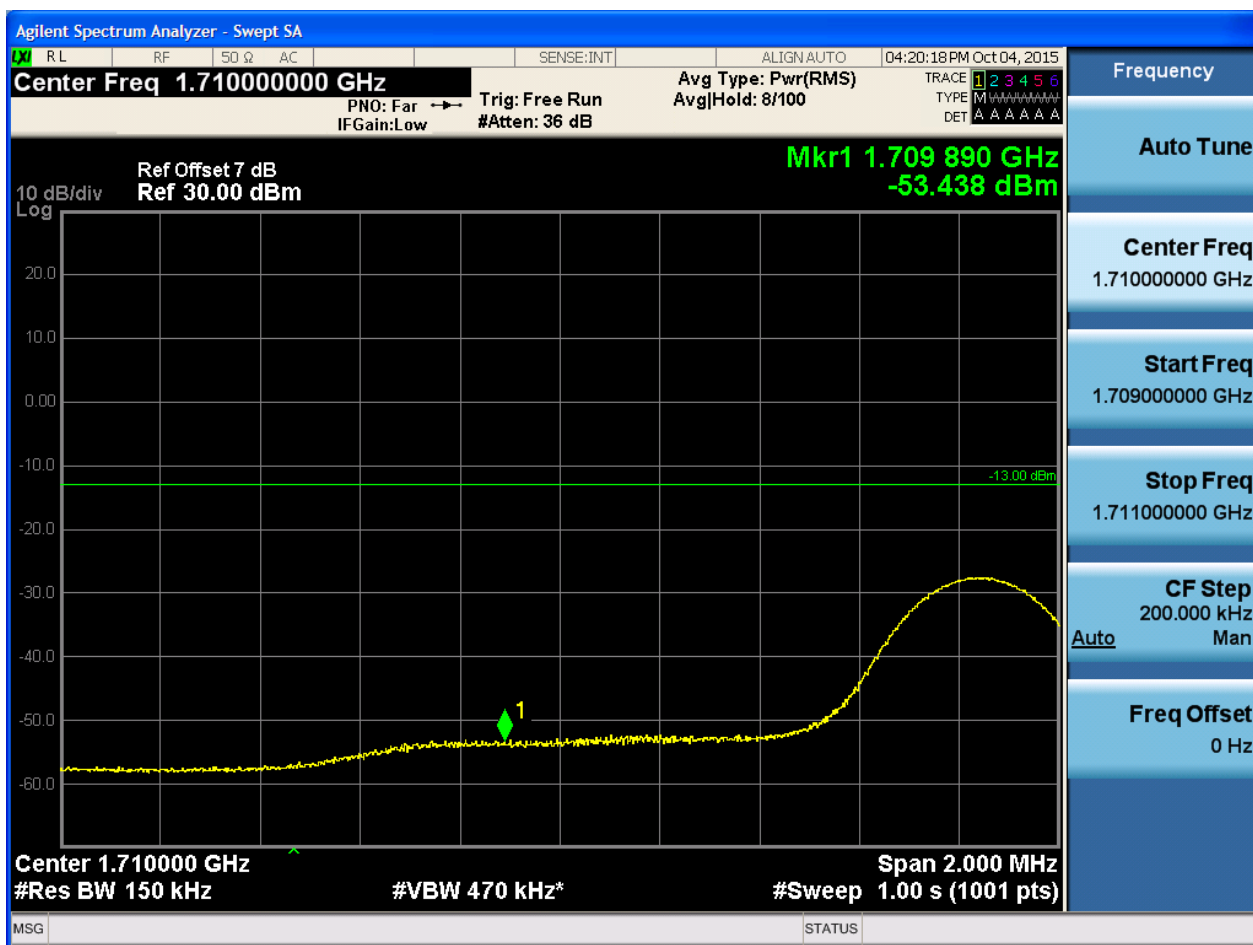
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74





5.1.1.1.5.1.3 Test RB = RB38#19





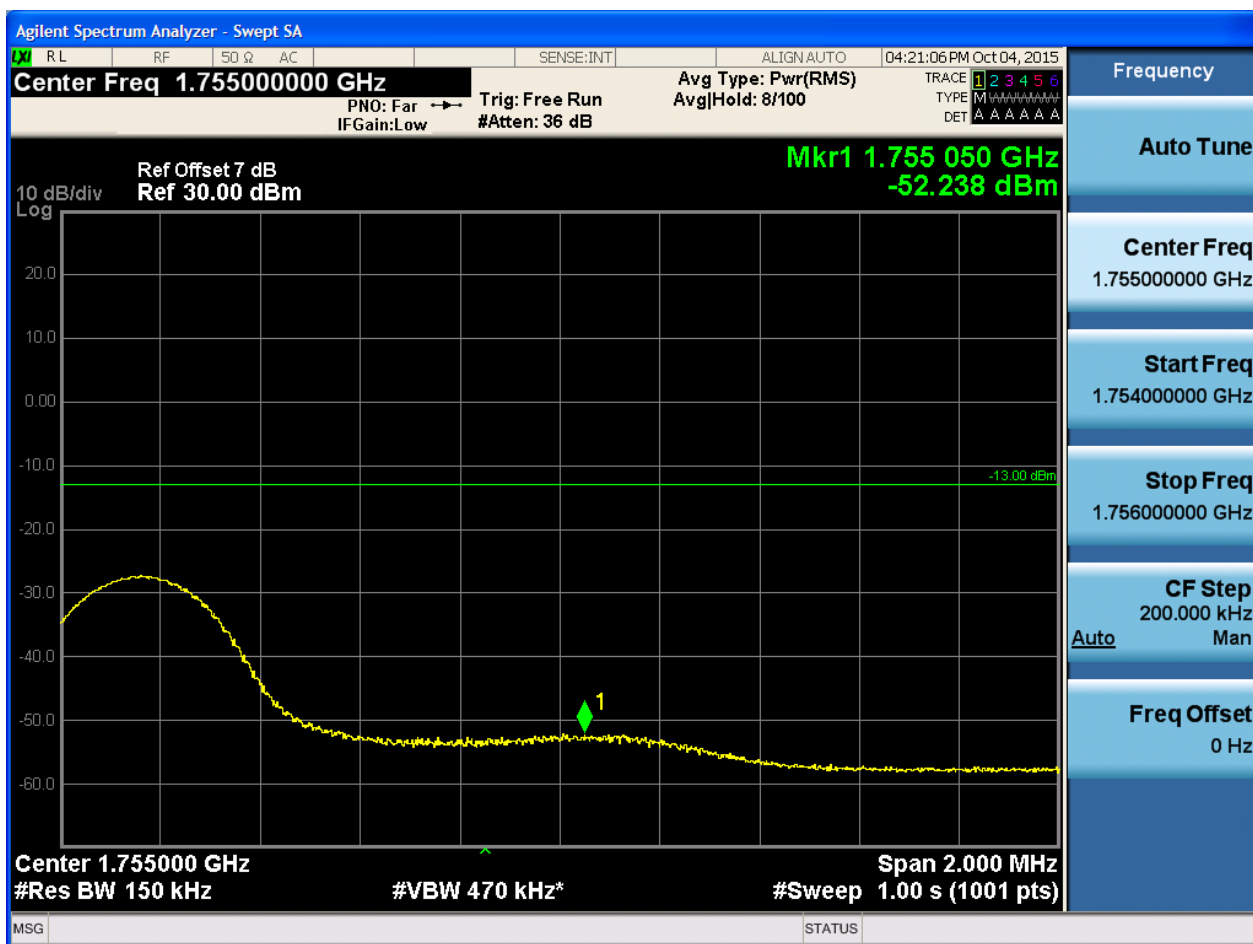
5.1.1.1.5.1.4 Test RB = RB75#0





5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 010 GHz
-27.516 dBm

Center 1.755000 GHz
#Res BW 150 kHz
#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.00 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
Man

Freq Offset
0 Hz

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

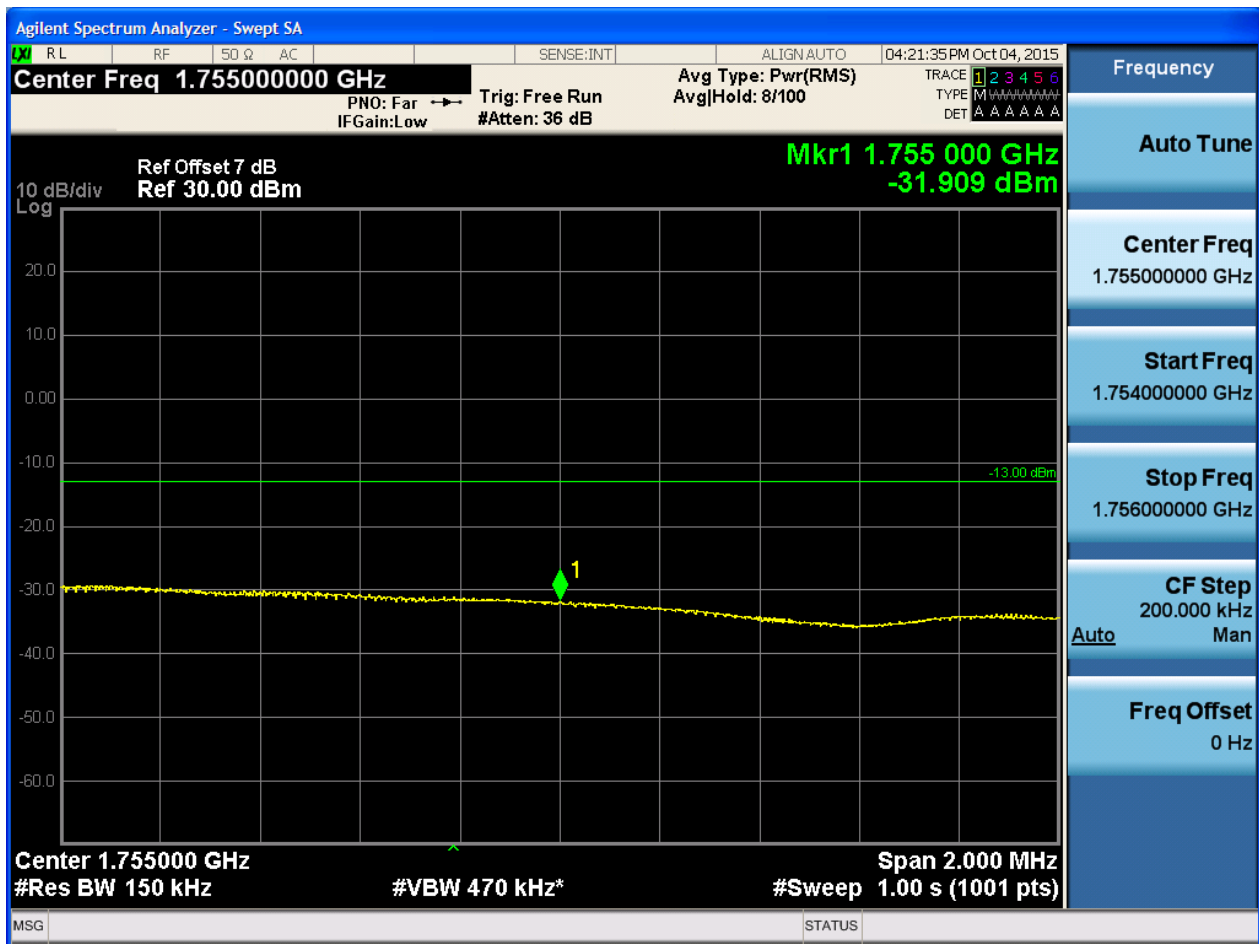
Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.1.1.1.5.2.3 Test RB = RB38#19





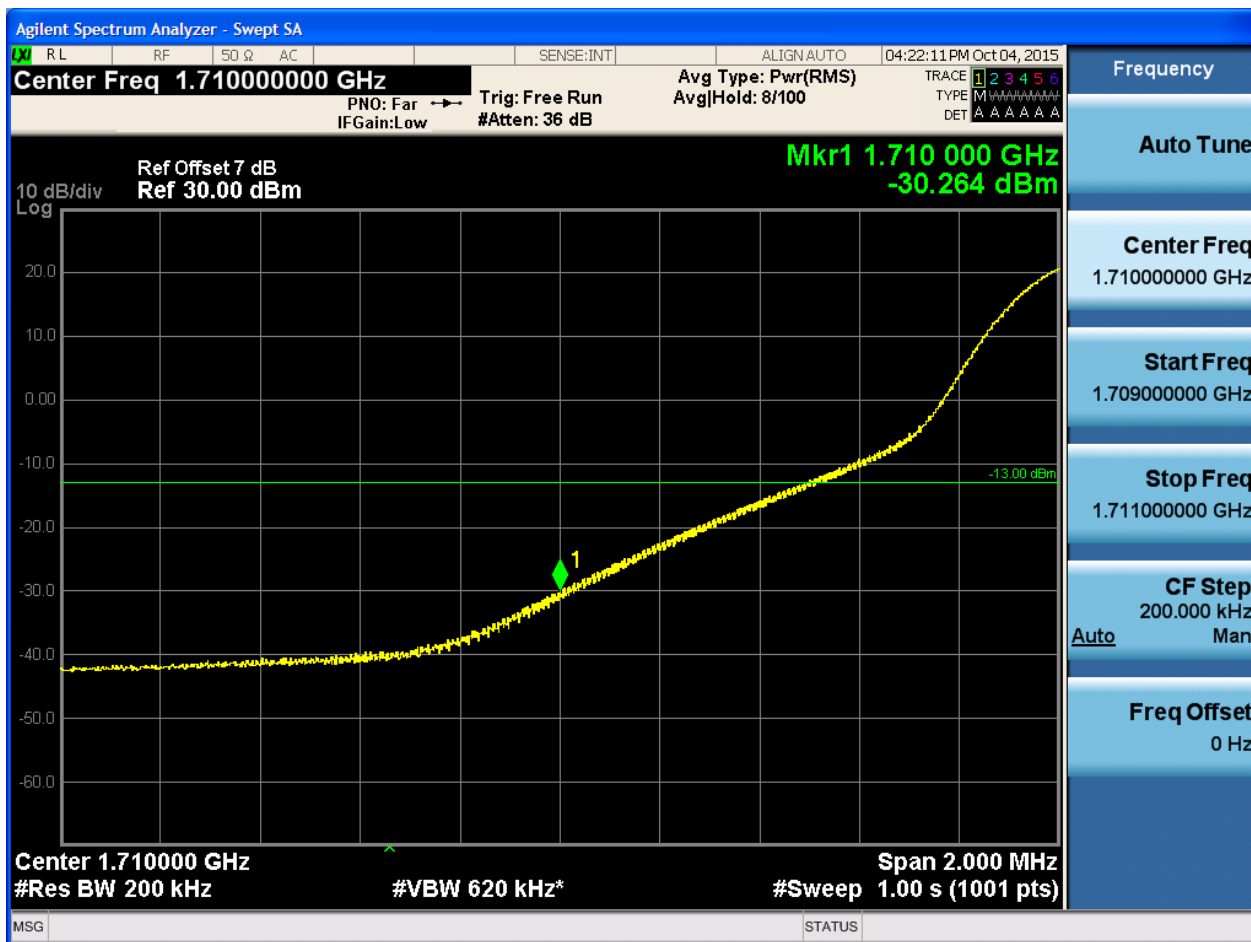
5.1.1.1.5.2.4 Test RB = RB75#0



5.1.1.1.6 Test Bandwidth = 20

5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0





5.1.1.1.6.1.2 Test RB = RB1#99



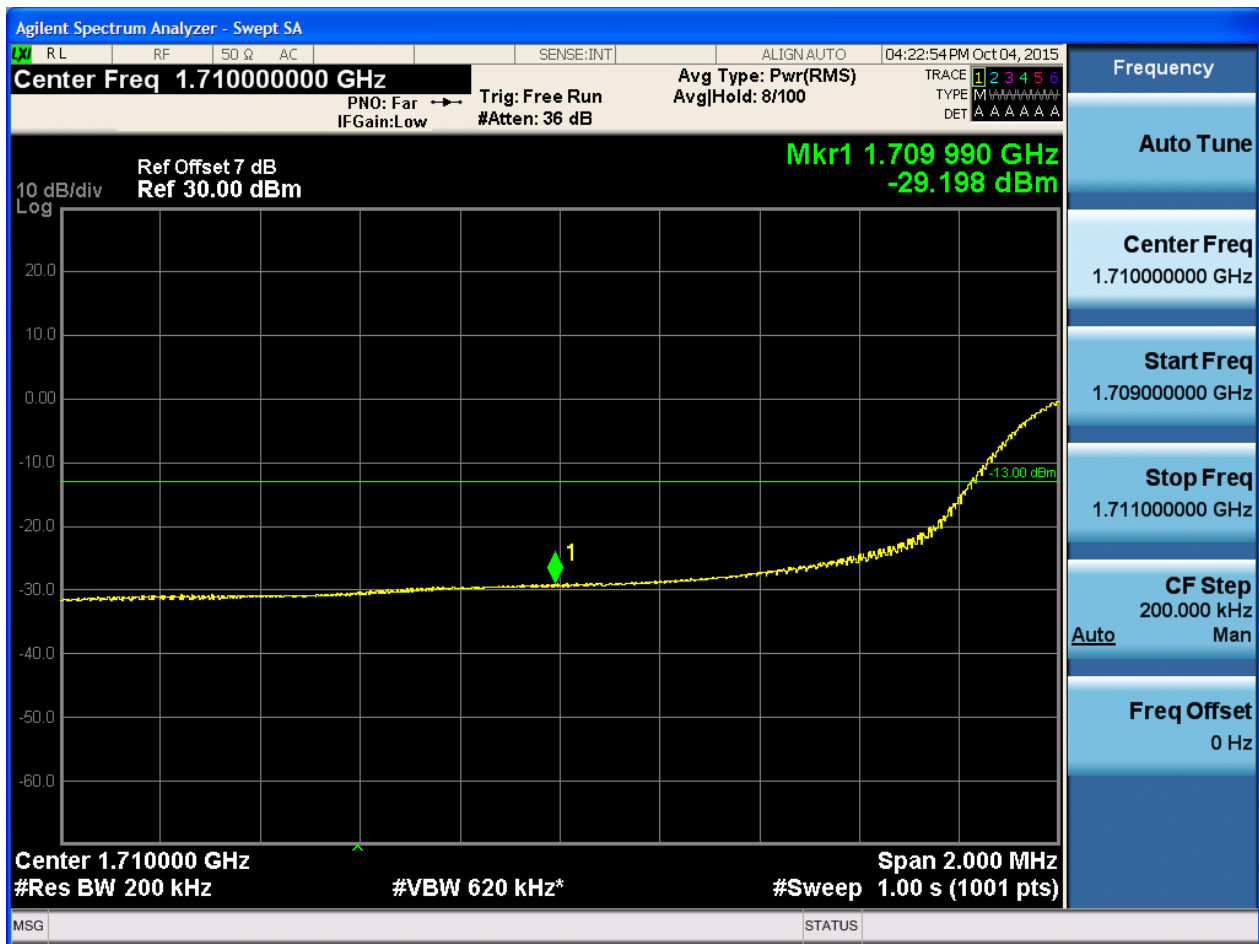


5.1.1.1.6.1.3 Test RB = RB50#25





5.1.1.1.6.1.4 Test RB = RB100#0





5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0



5.1.1.1.6.2.2 Test RB = RB1#99





5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0



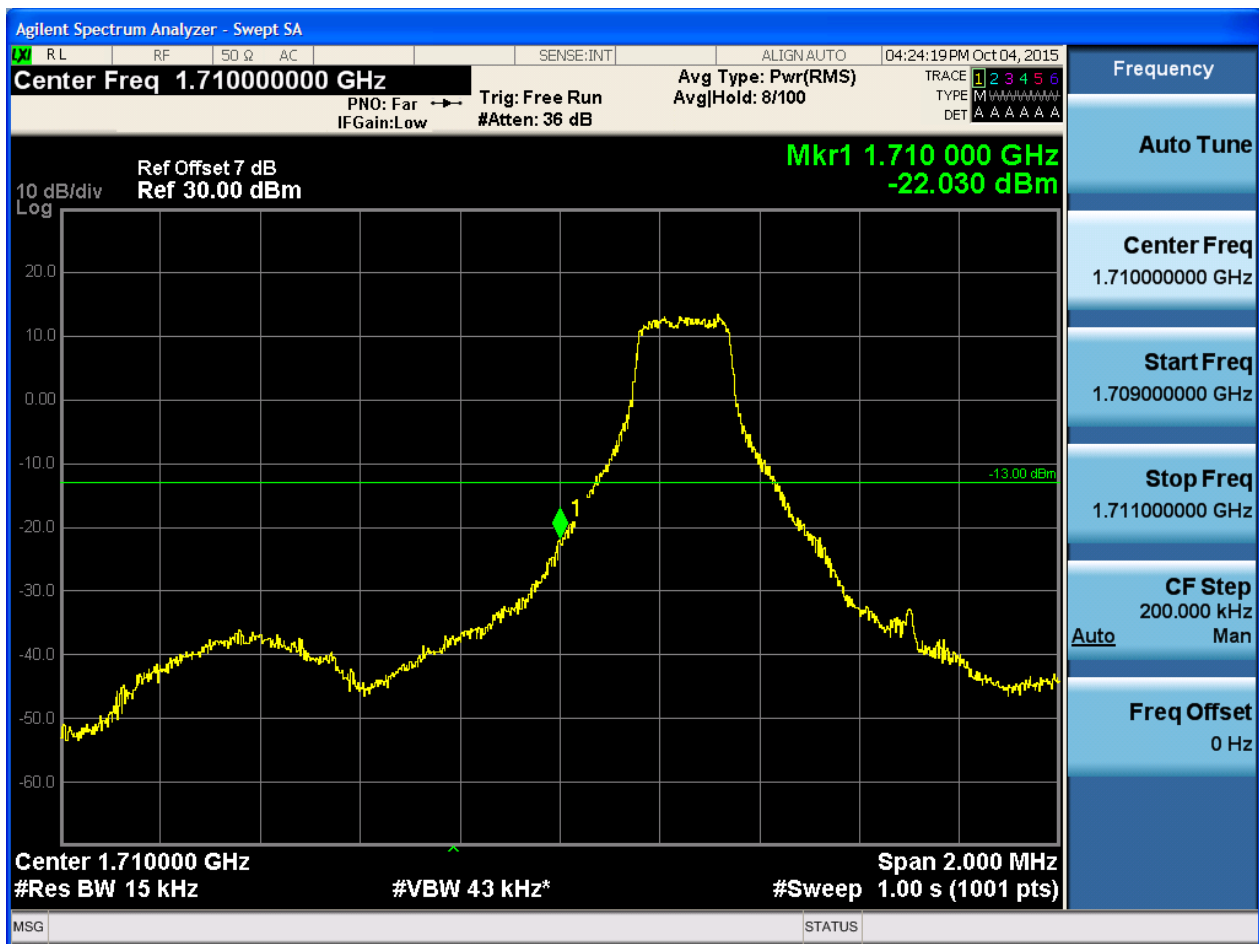


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2





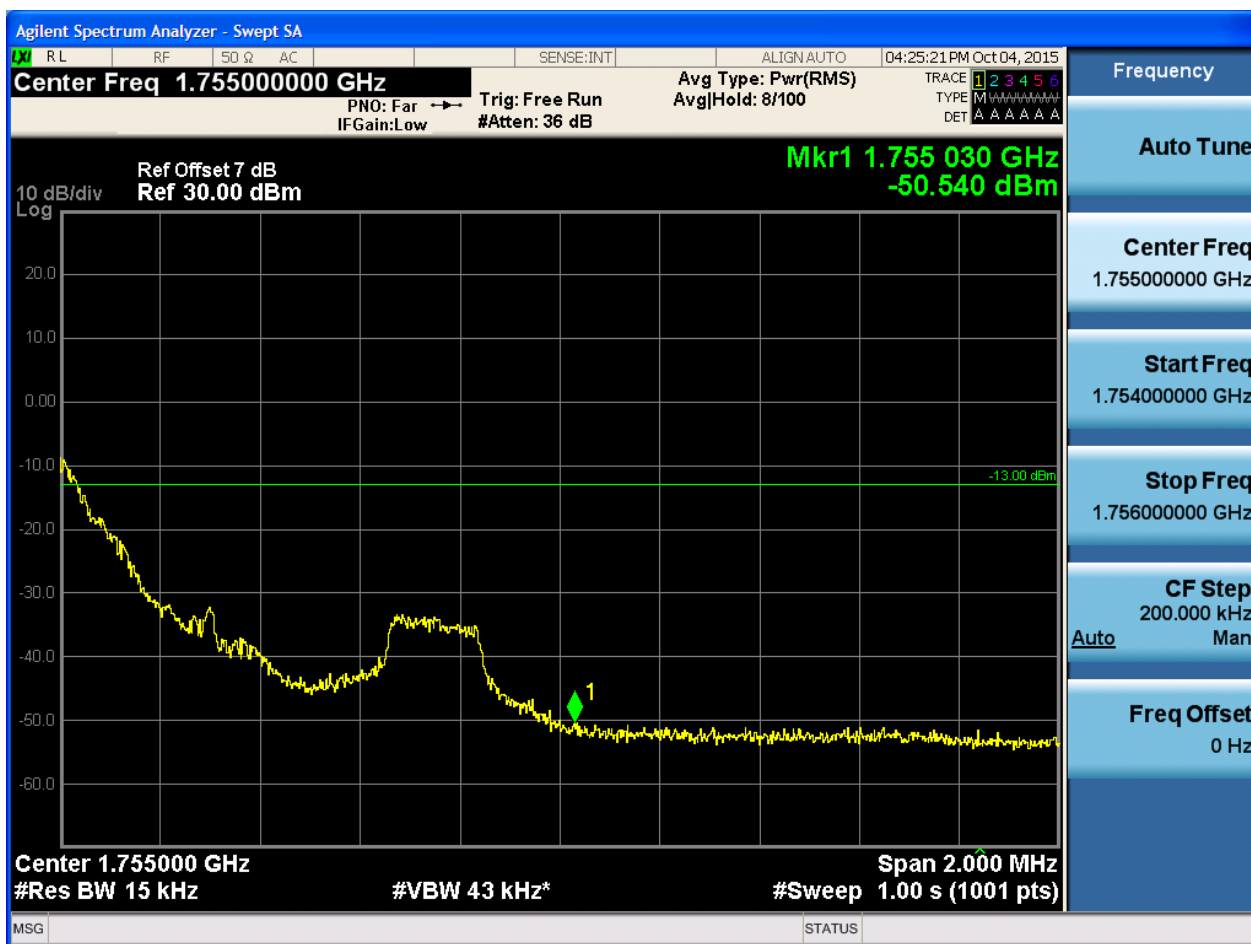
5.1.1.2.1.1.4 Test RB = RB6#0





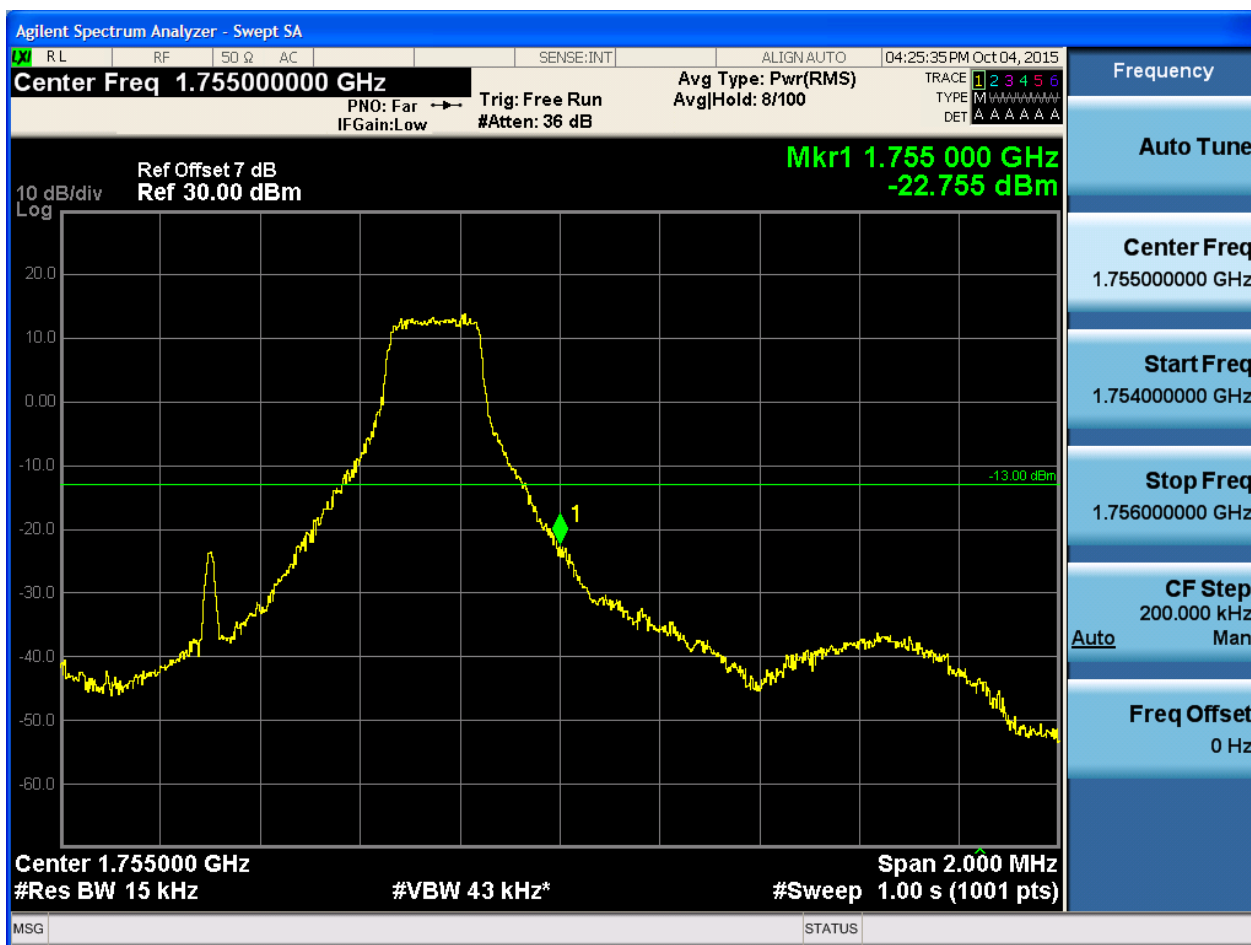
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5



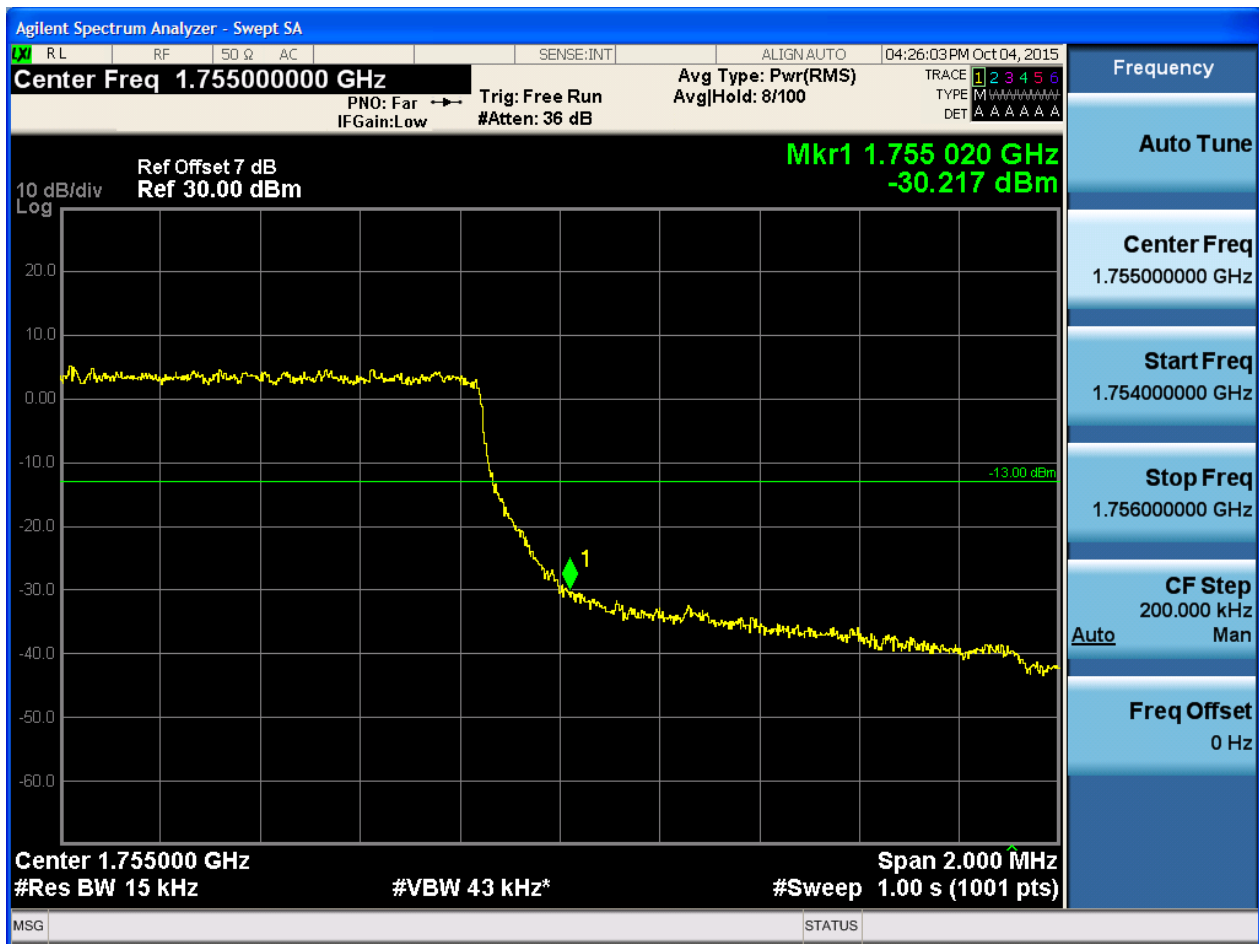


5.1.1.2.1.2.3 Test RB = RB3#2





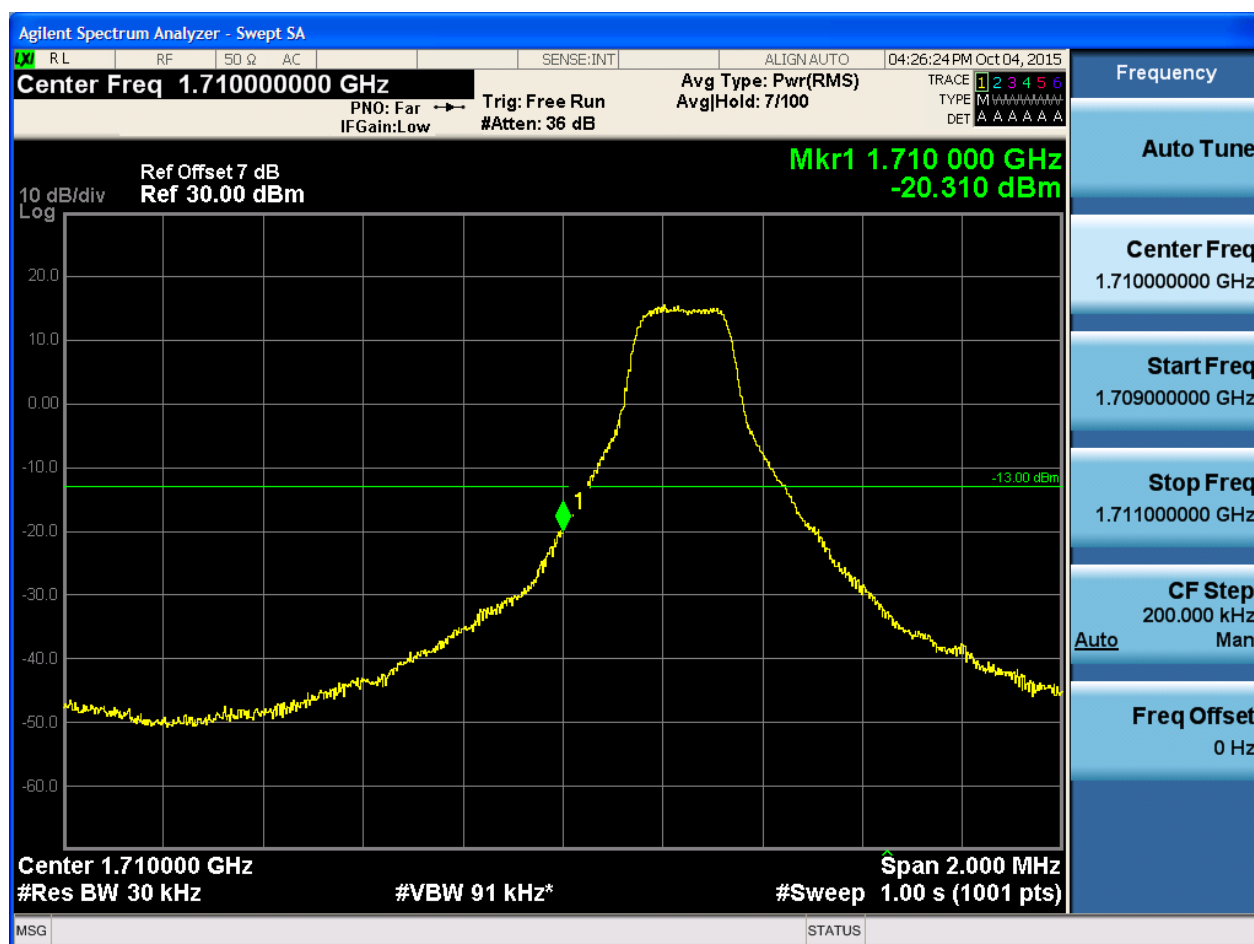
5.1.1.2.1.2.4 Test RB = RB6#0



5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14

