



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	21.8	24.95	30	PASS
				RB1#3	21.83	24.98	30	PASS
				RB1#5	21.72	24.87	30	PASS
				RB3#0	21.85	25	30	PASS
				RB3#2	21.81	24.96	30	PASS
				RB3#3	21.76	24.91	30	PASS
				RB6#0	20.84	23.99	30	PASS
			MCH	RB1#0	22.36	25.51	30	PASS
				RB1#3	22.44	25.59	30	PASS
				RB1#5	22.28	25.43	30	PASS
				RB3#0	22.41	25.56	30	PASS
				RB3#2	22.39	25.54	30	PASS
				RB3#3	22.44	25.59	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB6#0	21.45	24.6	30	PASS
				RB1#0	21.84	24.99	30	PASS
				RB1#3	21.79	24.94	30	PASS
				RB1#5	21.59	24.74	30	PASS
				RB3#0	21.85	25	30	PASS
				RB3#2	21.76	24.91	30	PASS
				RB3#3	21.68	24.83	30	PASS
				RB6#0	20.77	23.92	30	PASS
		3	LCH	RB1#0	21.76	24.91	30	PASS
				RB1#7	21.91	25.06	30	PASS
				RB1#14	21.62	24.77	30	PASS
				RB8#0	20.86	24.01	30	PASS
				RB8#4	20.86	24.01	30	PASS
				RB8#7	20.82	23.97	30	PASS
				RB15#0	20.84	23.99	30	PASS
			MCH	RB1#0	22.23	25.38	30	PASS
				RB1#7	22.53	25.68	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.19	25.34	30	PASS
				RB8#0	21.41	24.56	30	PASS
				RB8#4	21.41	24.56	30	PASS
				RB8#7	21.35	24.5	30	PASS
				RB15#0	21.37	24.52	30	PASS
			HCH	RB1#0	21.97	25.12	30	PASS
				RB1#7	22.03	25.18	30	PASS
				RB1#14	21.46	24.61	30	PASS
				RB8#0	21.11	24.26	30	PASS
				RB8#4	20.99	24.14	30	PASS
				RB8#7	20.78	23.93	30	PASS
				RB15#0	20.97	24.12	30	PASS
		5	LCH	RB1#0	21.65	24.8	30	PASS
				RB1#13	21.97	25.12	30	PASS
				RB1#24	22.27	25.42	30	PASS
				RB12#0	20.89	24.04	30	PASS
				RB12#6	20.98	24.13	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	20.79	23.94	30	PASS
				RB25#0	20.89	24.04	30	PASS
			MCH	RB1#0	22.14	25.29	30	PASS
				RB1#13	22.43	25.58	30	PASS
				RB1#24	22.66	25.81	30	PASS
				RB12#0	21.46	24.61	30	PASS
				RB12#6	21.48	24.63	30	PASS
				RB12#13	21.24	24.39	30	PASS
				RB25#0	21.31	24.46	30	PASS
			HCH	RB1#0	21.91	25.06	30	PASS
				RB1#13	22.16	25.31	30	PASS
				RB1#24	22.22	25.37	30	PASS
				RB12#0	21.1	24.25	30	PASS
				RB12#6	21.19	24.34	30	PASS
				RB12#13	20.84	23.99	30	PASS
				RB25#0	21.03	24.18	30	PASS
		10	LCH	RB1#0	21.6	24.75	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.78	25.93	30	PASS
				RB1#49	22.47	25.62	30	PASS
				RB25#0	20.93	24.08	30	PASS
				RB25#13	21.02	24.17	30	PASS
				RB25#25	21.69	24.84	30	PASS
				RB50#0	20.91	24.06	30	PASS
			MCH	RB1#0	22.14	25.29	30	PASS
				RB1#25	23.31	26.46	30	PASS
				RB1#49	22.74	25.89	30	PASS
				RB25#0	21.43	24.58	30	PASS
				RB25#13	21.41	24.56	30	PASS
				RB25#25	21.99	25.14	30	PASS
				RB50#0	21.27	24.42	30	PASS
			HCH	RB1#0	21.89	25.04	30	PASS
				RB1#25	23.08	26.23	30	PASS
				RB1#49	22.28	25.43	30	PASS
				RB25#0	21.2	24.35	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.06	24.21	30	PASS
				RB25#25	21.64	24.79	30	PASS
				RB50#0	21	24.15	30	PASS
		15	LCH	RB1#0	21.59	24.74	30	PASS
				RB1#38	22.17	25.32	30	PASS
				RB1#74	22.48	25.63	30	PASS
				RB38#0	20.99	24.14	30	PASS
				RB38#19	21.11	24.26	30	PASS
				RB38#39	21.07	24.22	30	PASS
				RB75#0	21.01	24.16	30	PASS
			MCH	RB1#0	22.1	25.25	30	PASS
				RB1#38	22.55	25.7	30	PASS
				RB1#74	22.39	25.54	30	PASS
				RB38#0	21.42	24.57	30	PASS
				RB38#19	21.51	24.66	30	PASS
				RB38#39	21.3	24.45	30	PASS
				RB75#0	21.3	24.45	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.84	24.99	30	PASS
				RB1#38	22.21	25.36	30	PASS
				RB1#74	22.14	25.29	30	PASS
				RB38#0	21.16	24.31	30	PASS
				RB38#19	21.3	24.45	30	PASS
				RB38#39	21.06	24.21	30	PASS
				RB75#0	21.07	24.22	30	PASS
		20	LCH	RB1#0	21.65	24.8	30	PASS
				RB1#50	22.28	25.43	30	PASS
				RB1#99	22.09	25.24	30	PASS
				RB50#0	21.04	24.19	30	PASS
				RB50#25	21.18	24.33	30	PASS
				RB50#50	21.23	24.38	30	PASS
				RB100#0	21.15	24.3	30	PASS
			MCH	RB1#0	22.16	25.31	30	PASS
				RB1#50	22.59	25.74	30	PASS
				RB1#99	21.8	24.95	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.44	24.59	30	PASS
				RB50#25	21.45	24.6	30	PASS
				RB50#50	21.41	24.56	30	PASS
				RB100#0	21.41	24.56	30	PASS
			HCH	RB1#0	22.33	25.48	30	PASS
				RB1#50	22.32	25.47	30	PASS
				RB1#99	21.61	24.76	30	PASS
				RB50#0	21.39	24.54	30	PASS
	LTE/TM2	1.4	LCH	RB50#25	21.1	24.25	30	PASS
				RB50#50	21.03	24.18	30	PASS
				RB100#0	21.2	24.35	30	PASS
				RB1#0	20.93	24.08	30	PASS
				RB1#3	20.93	24.08	30	PASS
				RB1#5	20.8	23.95	30	PASS
				RB3#0	20.81	23.96	30	PASS
				RB3#2	20.82	23.97	30	PASS
				RB3#3	20.78	23.93	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	20.85	24	30	PASS
			MCH	RB1#0	21.38	24.53	30	PASS
				RB1#3	21.39	24.54	30	PASS
				RB1#5	21.24	24.39	30	PASS
				RB3#0	21.44	24.59	30	PASS
				RB3#2	21.41	24.56	30	PASS
				RB3#3	21.3	24.45	30	PASS
				RB6#0	21.4	24.55	30	PASS
			HCH	RB1#0	20.96	24.11	30	PASS
				RB1#3	20.86	24.01	30	PASS
				RB1#5	20.71	23.86	30	PASS
				RB3#0	20.82	23.97	30	PASS
				RB3#2	20.72	23.87	30	PASS
				RB3#3	20.62	23.77	30	PASS
				RB6#0	20.73	23.88	30	PASS
		3	LCH	RB1#0	21.06	24.21	30	PASS
				RB1#7	21.15	24.3	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	20.97	24.12	30	PASS
				RB8#0	20.87	24.02	30	PASS
				RB8#4	20.75	23.9	30	PASS
				RB8#7	20.76	23.91	30	PASS
				RB15#0	20.68	23.83	30	PASS
			MCH	RB1#0	21.25	24.4	30	PASS
				RB1#7	21.91	25.06	30	PASS
				RB1#14	21.09	24.24	30	PASS
				RB8#0	21.36	24.51	30	PASS
				RB8#4	21.4	24.55	30	PASS
				RB8#7	21.32	24.47	30	PASS
				RB15#0	21.26	24.41	30	PASS
			HCH	RB1#0	21.08	24.23	30	PASS
				RB1#7	20.93	24.08	30	PASS
				RB1#14	20.41	23.56	30	PASS
				RB8#0	21.13	24.28	30	PASS
				RB8#4	21	24.15	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	20.8	23.95	30	PASS
				RB15#0	20.82	23.97	30	PASS
		5	LCH	RB1#0	20.84	23.99	30	PASS
				RB1#13	21.14	24.29	30	PASS
				RB1#24	21.46	24.61	30	PASS
				RB12#0	20.85	24	30	PASS
				RB12#6	20.92	24.07	30	PASS
				RB12#13	20.74	23.89	30	PASS
				RB25#0	20.84	23.99	30	PASS
			MCH	RB1#0	21.41	24.56	30	PASS
				RB1#13	21.67	24.82	30	PASS
				RB1#24	21.87	25.02	30	PASS
				RB12#0	21.37	24.52	30	PASS
				RB12#6	21.44	24.59	30	PASS
				RB12#13	21.21	24.36	30	PASS
				RB25#0	21.3	24.45	30	PASS
			HCH	RB1#0	21	24.15	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	21.27	24.42	30	PASS
				RB1#24	21.15	24.3	30	PASS
				RB12#0	21.07	24.22	30	PASS
				RB12#6	21.12	24.27	30	PASS
				RB12#13	20.83	23.98	30	PASS
				RB25#0	21.02	24.17	30	PASS
		10	LCH	RB1#0	20.8	23.95	30	PASS
				RB1#25	21.98	25.13	30	PASS
				RB1#49	21.61	24.76	30	PASS
				RB25#0	20.88	24.03	30	PASS
				RB25#13	20.94	24.09	30	PASS
				RB25#25	21.66	24.81	30	PASS
				RB50#0	20.87	24.02	30	PASS
			MCH	RB1#0	21.27	24.42	30	PASS
				RB1#25	22.33	25.48	30	PASS
				RB1#49	21.83	24.98	30	PASS
				RB25#0	21.42	24.57	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.39	24.54	30	PASS
				RB25#25	21.96	25.11	30	PASS
				RB50#0	21.23	24.38	30	PASS
			HCH	RB1#0	21.03	24.18	30	PASS
				RB1#25	22.07	25.22	30	PASS
				RB1#49	21.22	24.37	30	PASS
				RB25#0	21.16	24.31	30	PASS
				RB25#13	21.05	24.2	30	PASS
				RB25#25	21.59	24.74	30	PASS
				RB50#0	20.93	24.08	30	PASS
		15	LCH	RB1#0	20.87	24.02	30	PASS
				RB1#38	21.31	24.46	30	PASS
				RB1#74	21.8	24.95	30	PASS
				RB38#0	20.97	24.12	30	PASS
				RB38#19	21.06	24.21	30	PASS
				RB38#39	21.08	24.23	30	PASS
				RB75#0	21.01	24.16	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.37	24.52	30	PASS
				RB1#38	21.62	24.77	30	PASS
				RB1#74	21.68	24.83	30	PASS
				RB38#0	21.4	24.55	30	PASS
				RB38#19	21.46	24.61	30	PASS
				RB38#39	21.27	24.42	30	PASS
				RB75#0	21.27	24.42	30	PASS
			HCH	RB1#0	21.24	24.39	30	PASS
				RB1#38	21.36	24.51	30	PASS
				RB1#74	21.36	24.51	30	PASS
				RB38#0	21.16	24.31	30	PASS
				RB38#19	21.27	24.42	30	PASS
				RB38#39	21.11	24.26	30	PASS
				RB75#0	21.06	24.21	30	PASS
		20	LCH	RB1#0	20.89	24.04	30	PASS
				RB1#50	21.38	24.53	30	PASS
				RB1#99	21.3	24.45	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.94	24.09	30	PASS
				RB50#25	21.07	24.22	30	PASS
				RB50#50	21.11	24.26	30	PASS
				RB100#0	21.02	24.17	30	PASS
			MCH	RB1#0	21.43	24.58	30	PASS
				RB1#50	21.78	24.93	30	PASS
				RB1#99	21.11	24.26	30	PASS
				RB50#0	21.36	24.51	30	PASS
				RB50#25	21.35	24.5	30	PASS
				RB50#50	21.31	24.46	30	PASS
				RB100#0	21.35	24.5	30	PASS
			HCH	RB1#0	21.47	24.62	30	PASS
				RB1#50	21.48	24.63	30	PASS
				RB1#99	20.76	23.91	30	PASS
				RB50#0	21.27	24.42	30	PASS
				RB50#25	21.01	24.16	30	PASS
				RB50#50	20.96	24.11	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.18	24.33	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:

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

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

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

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

Detector:RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	4.89	13	PASS
				RB1#3	4.97	13	PASS
				RB1#5	4.94	13	PASS
				RB3#0	5.05	13	PASS
				RB3#2	4.96	13	PASS
				RB3#3	5.01	13	PASS
				RB6#0	5.42	13	PASS
			MCH	RB1#0	4.51	13	PASS
				RB1#3	4.53	13	PASS
				RB1#5	4.48	13	PASS
				RB3#0	4.81	13	PASS
				RB3#2	4.75	13	PASS
				RB3#3	4.85	13	PASS
				RB6#0	5.5	13	PASS
			HCH	RB1#0	4.3	13	PASS
				RB1#3	4.35	13	PASS
				RB1#5	4.32	13	PASS
				RB3#0	4.64	13	PASS
				RB3#2	4.53	13	PASS
				RB3#3	4.61	13	PASS
				RB6#0	5.36	13	PASS
		3	LCH	RB1#0	4.66	13	PASS
				RB1#7	4.52	13	PASS
				RB1#14	4.95	13	PASS
				RB8#0	5.44	13	PASS
				RB8#4	5.42	13	PASS
				RB8#7	5.47	13	PASS
				RB15#0	5.56	13	PASS
			MCH	RB1#0	4.54	13	PASS
				RB1#7	4.32	13	PASS
				RB1#14	4.47	13	PASS
				RB8#0	5.36	13	PASS
				RB8#4	5.35	13	PASS
				RB8#7	5.49	13	PASS
				RB15#0	5.59	13	PASS
			HCH	RB1#0	4.29	13	PASS
				RB1#7	3.96	13	PASS
				RB1#14	4.28	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	5.25	13	PASS
				RB8#4	5.24	13	PASS
				RB8#7	5.36	13	PASS
				RB15#0	5.37	13	PASS
			LCH	RB1#0	4.67	13	PASS
				RB1#13	4.65	13	PASS
				RB1#24	4.65	13	PASS
				RB12#0	5.5	13	PASS
				RB12#6	5.53	13	PASS
				RB12#13	5.5	13	PASS
				RB25#0	6.04	13	PASS
			MCH	RB1#0	4.55	13	PASS
				RB1#13	4.49	13	PASS
				RB1#24	4.27	13	PASS
				RB12#0	5.46	13	PASS
				RB12#6	5.42	13	PASS
				RB12#13	5.46	13	PASS
				RB25#0	5.86	13	PASS
			HCH	RB1#0	4.56	13	PASS
				RB1#13	4.3	13	PASS
				RB1#24	4.24	13	PASS
				RB12#0	5.37	13	PASS
				RB12#6	5.27	13	PASS
				RB12#13	5.29	13	PASS
				RB25#0	5.75	13	PASS
		10	LCH	RB1#0	4.78	13	PASS
				RB1#25	4.51	13	PASS
				RB1#49	4.71	13	PASS
				RB25#0	5.73	13	PASS
				RB25#13	5.85	13	PASS
				RB25#25	5.54	13	PASS
				RB50#0	6.01	13	PASS
			MCH	RB1#0	4.46	13	PASS
				RB1#25	3.97	13	PASS
				RB1#49	4.19	13	PASS
				RB25#0	5.6	13	PASS
				RB25#13	5.54	13	PASS
				RB25#25	5.3	13	PASS
				RB50#0	6.15	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.5	13	PASS
				RB1#25	3.85	13	PASS
				RB1#49	4.25	13	PASS
				RB25#0	5.75	13	PASS
				RB25#13	5.69	13	PASS
				RB25#25	5.33	13	PASS
				RB50#0	5.98	13	PASS
			LCH	RB1#0	4.89	13	PASS
				RB1#38	5.03	13	PASS
				RB1#74	4.76	13	PASS
				RB38#0	5.74	13	PASS
				RB38#19	5.91	13	PASS
				RB38#39	5.8	13	PASS
				RB75#0	6.29	13	PASS
		15	MCH	RB1#0	4.73	13	PASS
				RB1#38	4.5	13	PASS
				RB1#74	4.4	13	PASS
				RB38#0	5.85	13	PASS
				RB38#19	5.66	13	PASS
				RB38#39	5.76	13	PASS
				RB75#0	6.13	13	PASS
			HCH	RB1#0	4.34	13	PASS
				RB1#38	4.32	13	PASS
				RB1#74	4.17	13	PASS
				RB38#0	5.64	13	PASS
				RB38#19	5.79	13	PASS
				RB38#39	5.72	13	PASS
				RB75#0	6.22	13	PASS
		20	LCH	RB1#0	4.61	13	PASS
				RB1#50	4.53	13	PASS
				RB1#99	4.53	13	PASS
				RB50#0	5.9	13	PASS
				RB50#25	5.9	13	PASS
				RB50#50	5.82	13	PASS
				RB100#0	6.13	13	PASS
			MCH	RB1#0	4.74	13	PASS
				RB1#50	4.46	13	PASS
				RB1#99	4.65	13	PASS
				RB50#0	5.73	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	5.68	13	PASS
				RB50#50	5.68	13	PASS
				RB100#0	5.92	13	PASS
			HCH	RB1#0	4.56	13	PASS
				RB1#50	4.39	13	PASS
				RB1#99	4.58	13	PASS
				RB50#0	5.6	13	PASS
				RB50#25	5.64	13	PASS
				RB50#50	5.73	13	PASS
				RB100#0	6.06	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.76	13	PASS
				RB1#3	5.49	13	PASS
				RB1#5	4.77	13	PASS
				RB3#0	5.24	13	PASS
				RB3#2	5.77	13	PASS
				RB3#3	5.63	13	PASS
				RB6#0	6.03	13	PASS
			MCH	RB1#0	5.25	13	PASS
				RB1#3	5.17	13	PASS
				RB1#5	5.13	13	PASS
				RB3#0	5.44	13	PASS
				RB3#2	5.46	13	PASS
				RB3#3	5.51	13	PASS
				RB6#0	6.04	13	PASS
			HCH	RB1#0	5	13	PASS
				RB1#3	5.32	13	PASS
				RB1#5	5.09	13	PASS
				RB3#0	5.31	13	PASS
				RB3#2	5.32	13	PASS
				RB3#3	5.41	13	PASS
				RB6#0	5.87	13	PASS
		3	LCH	RB1#0	4.99	13	PASS
				RB1#7	4.9	13	PASS
				RB1#14	5.11	13	PASS
				RB8#0	5.39	13	PASS
				RB8#4	5.48	13	PASS
				RB8#7	5.57	13	PASS
				RB15#0	6.31	13	PASS
			MCH	RB1#0	5.29	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	5.24	13	PASS
				RB1#14	5.53	13	PASS
				RB8#0	5.6	13	PASS
				RB8#4	5.48	13	PASS
				RB8#7	5.66	13	PASS
				RB15#0	6.13	13	PASS
			HCH	RB1#0	5.33	13	PASS
				RB1#7	4.83	13	PASS
				RB1#14	5.27	13	PASS
				RB8#0	5.55	13	PASS
				RB8#4	5.61	13	PASS
				RB8#7	5.51	13	PASS
				RB15#0	5.95	13	PASS
		5	LCH	RB1#0	4.92	13	PASS
				RB1#13	5.1	13	PASS
				RB1#24	5.15	13	PASS
				RB12#0	5.66	13	PASS
				RB12#6	5.6	13	PASS
				RB12#13	6.02	13	PASS
				RB25#0	6.18	13	PASS
			MCH	RB1#0	5.28	13	PASS
				RB1#13	5.39	13	PASS
				RB1#24	4.92	13	PASS
				RB12#0	5.66	13	PASS
				RB12#6	5.71	13	PASS
				RB12#13	5.86	13	PASS
				RB25#0	6.17	13	PASS
			HCH	RB1#0	5.61	13	PASS
				RB1#13	5.4	13	PASS
				RB1#24	5.2	13	PASS
				RB12#0	5.8	13	PASS
				RB12#6	5.63	13	PASS
				RB12#13	5.67	13	PASS
				RB25#0	6.3	13	PASS
		10	LCH	RB1#0	4.96	13	PASS
				RB1#25	4.96	13	PASS
				RB1#49	5.07	13	PASS
				RB25#0	5.97	13	PASS
				RB25#13	6.09	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	5.74	13	PASS
				RB50#0	6.49	13	PASS
			MCH	RB1#0	5.17	13	PASS
				RB1#25	4.62	13	PASS
				RB1#49	4.99	13	PASS
				RB25#0	5.94	13	PASS
				RB25#13	5.89	13	PASS
				RB25#25	5.34	13	PASS
				RB50#0	6.43	13	PASS
			HCH	RB1#0	5.17	13	PASS
				RB1#25	4.76	13	PASS
				RB1#49	4.99	13	PASS
				RB25#0	6	13	PASS
				RB25#13	5.93	13	PASS
				RB25#25	5.54	13	PASS
				RB50#0	6.4	13	PASS
		15	LCH	RB1#0	5.14	13	PASS
				RB1#38	5.35	13	PASS
				RB1#74	5.03	13	PASS
				RB38#0	6.01	13	PASS
				RB38#19	6.11	13	PASS
				RB38#39	6.11	13	PASS
				RB75#0	6.77	13	PASS
			MCH	RB1#0	5.22	13	PASS
				RB1#38	5.1	13	PASS
				RB1#74	5	13	PASS
				RB38#0	5.84	13	PASS
				RB38#19	5.82	13	PASS
				RB38#39	5.94	13	PASS
				RB75#0	6.59	13	PASS
			HCH	RB1#0	5.23	13	PASS
				RB1#38	5.35	13	PASS
				RB1#74	5.08	13	PASS
				RB38#0	5.83	13	PASS
				RB38#19	5.89	13	PASS
				RB38#39	5.87	13	PASS
				RB75#0	6.6	13	PASS
		20	LCH	RB1#0	5.02	13	PASS
				RB1#50	5.15	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	4.82	13	PASS
				RB50#0	6.15	13	PASS
				RB50#25	6.22	13	PASS
				RB50#50	6.17	13	PASS
				RB100#0	6.55	13	PASS
			MCH	RB1#0	5.41	13	PASS
				RB1#50	5.08	13	PASS
				RB1#99	5.31	13	PASS
				RB50#0	5.92	13	PASS
				RB50#25	5.89	13	PASS
				RB50#50	5.9	13	PASS
				RB100#0	6.6	13	PASS
			HCH	RB1#0	5.08	13	PASS
				RB1#50	4.83	13	PASS
				RB1#99	5.25	13	PASS
				RB50#0	5.88	13	PASS
				RB50#25	5.88	13	PASS
				RB50#50	6.07	13	PASS
				RB100#0	6.67	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

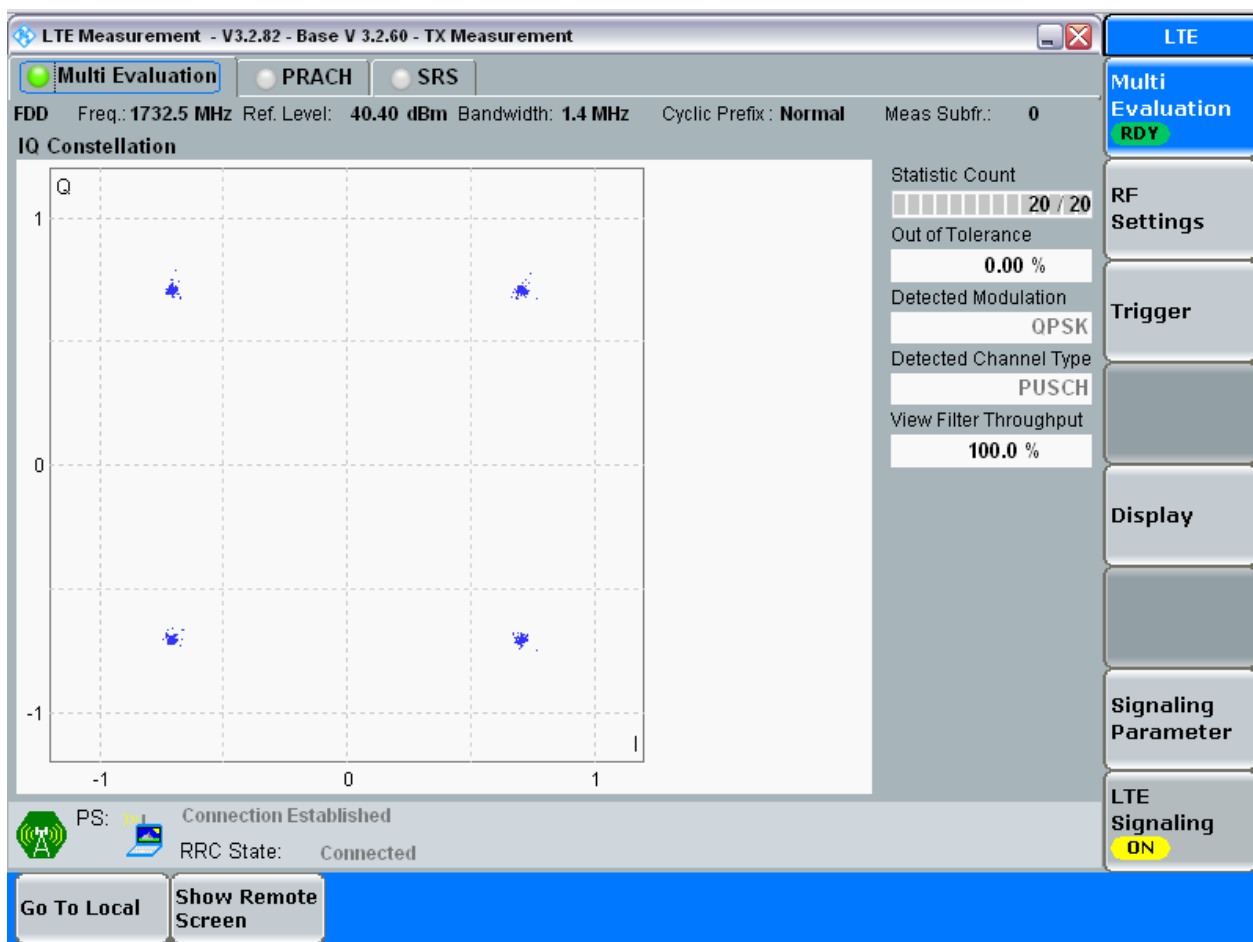
3.1.1 Test Band = BAND4

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

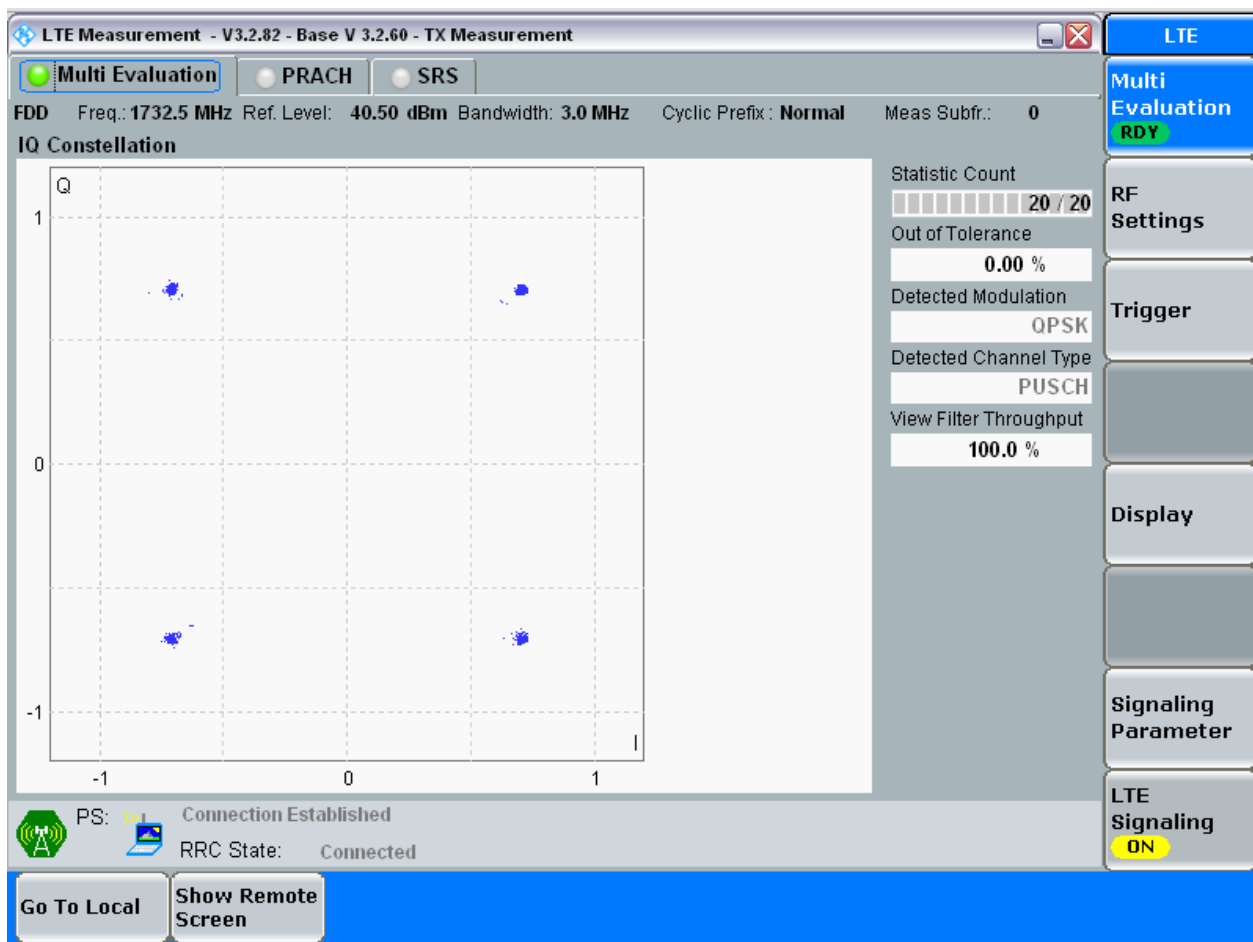
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

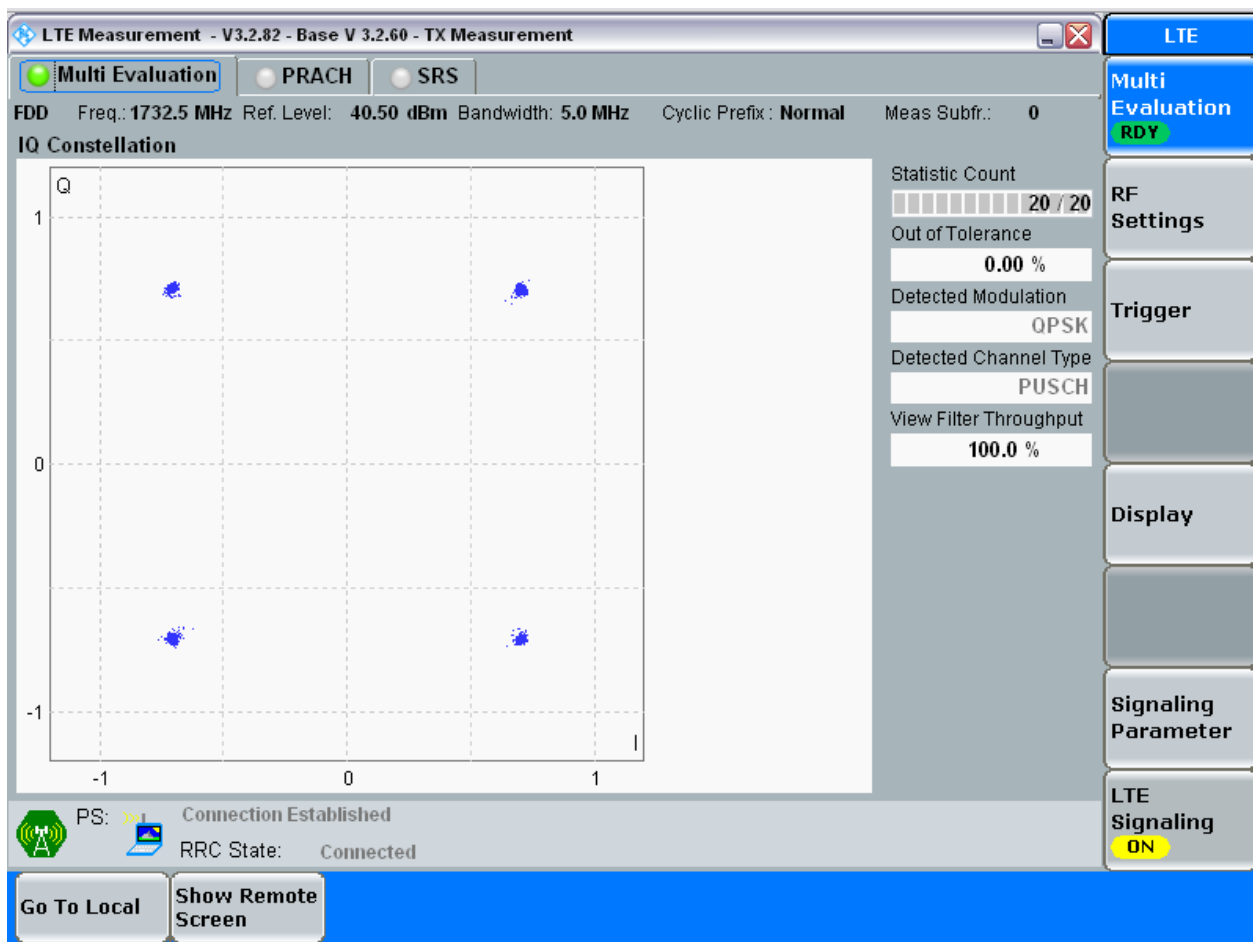
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

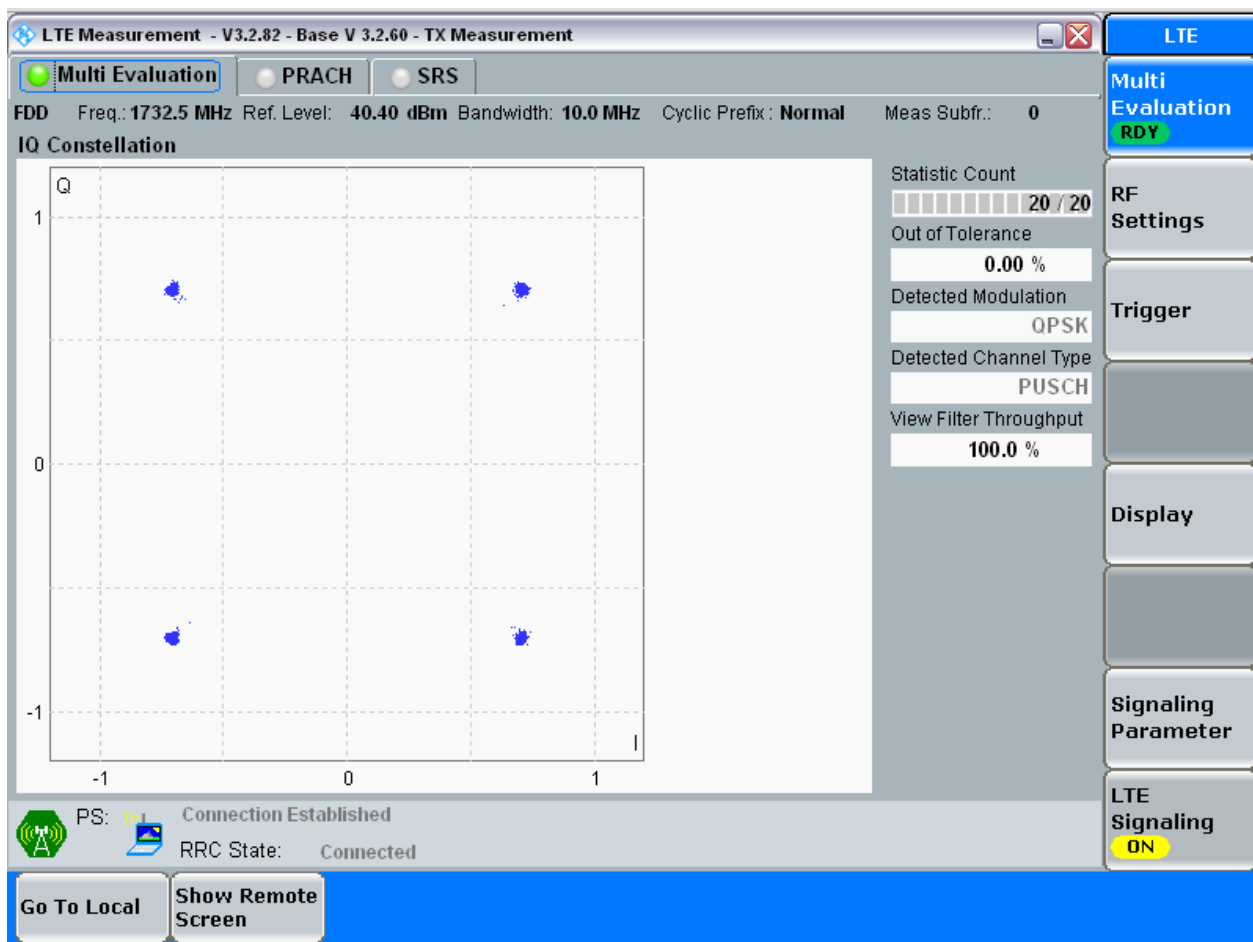
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

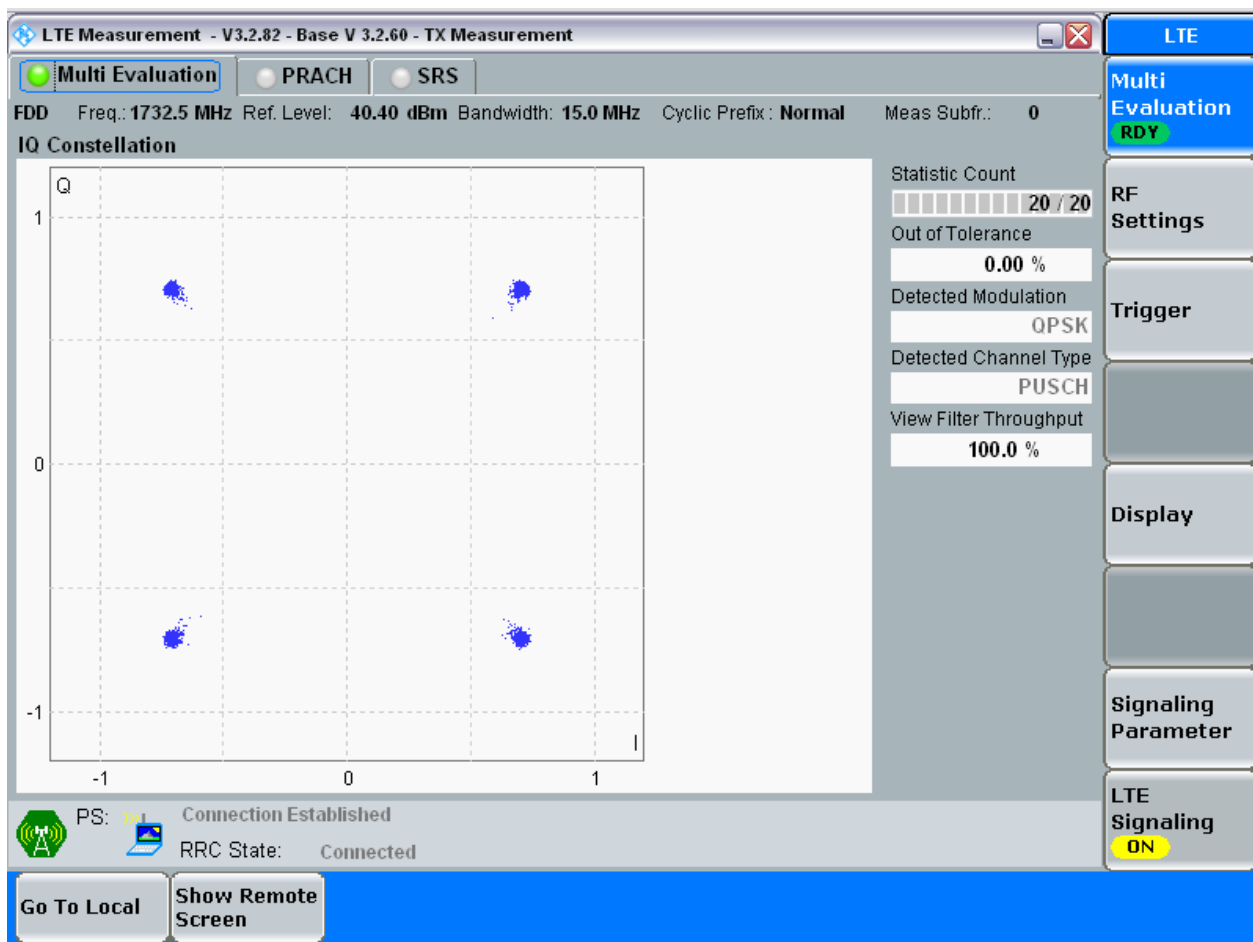
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

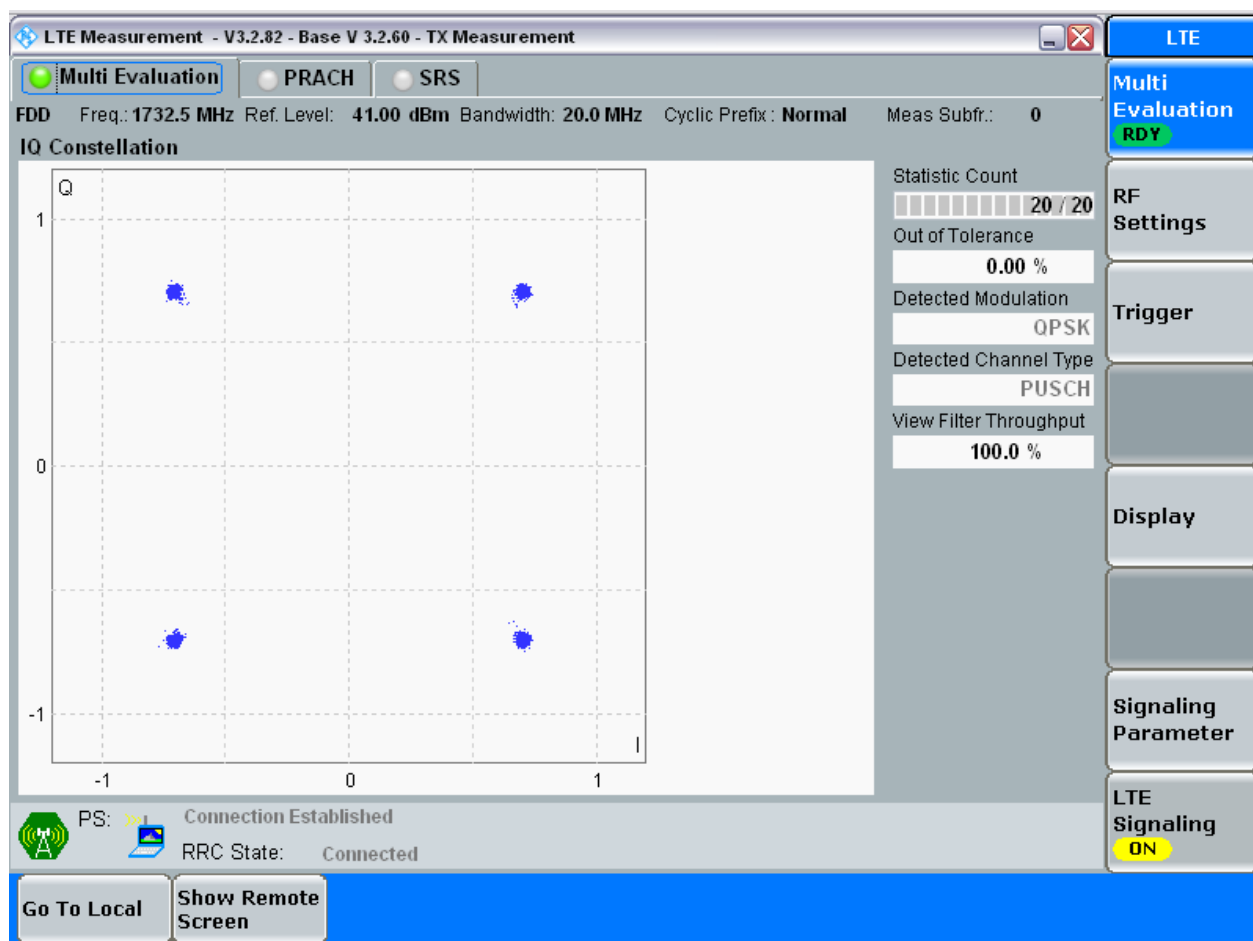
3.1.1.1.5.1.1 Test RB = RB75#0



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

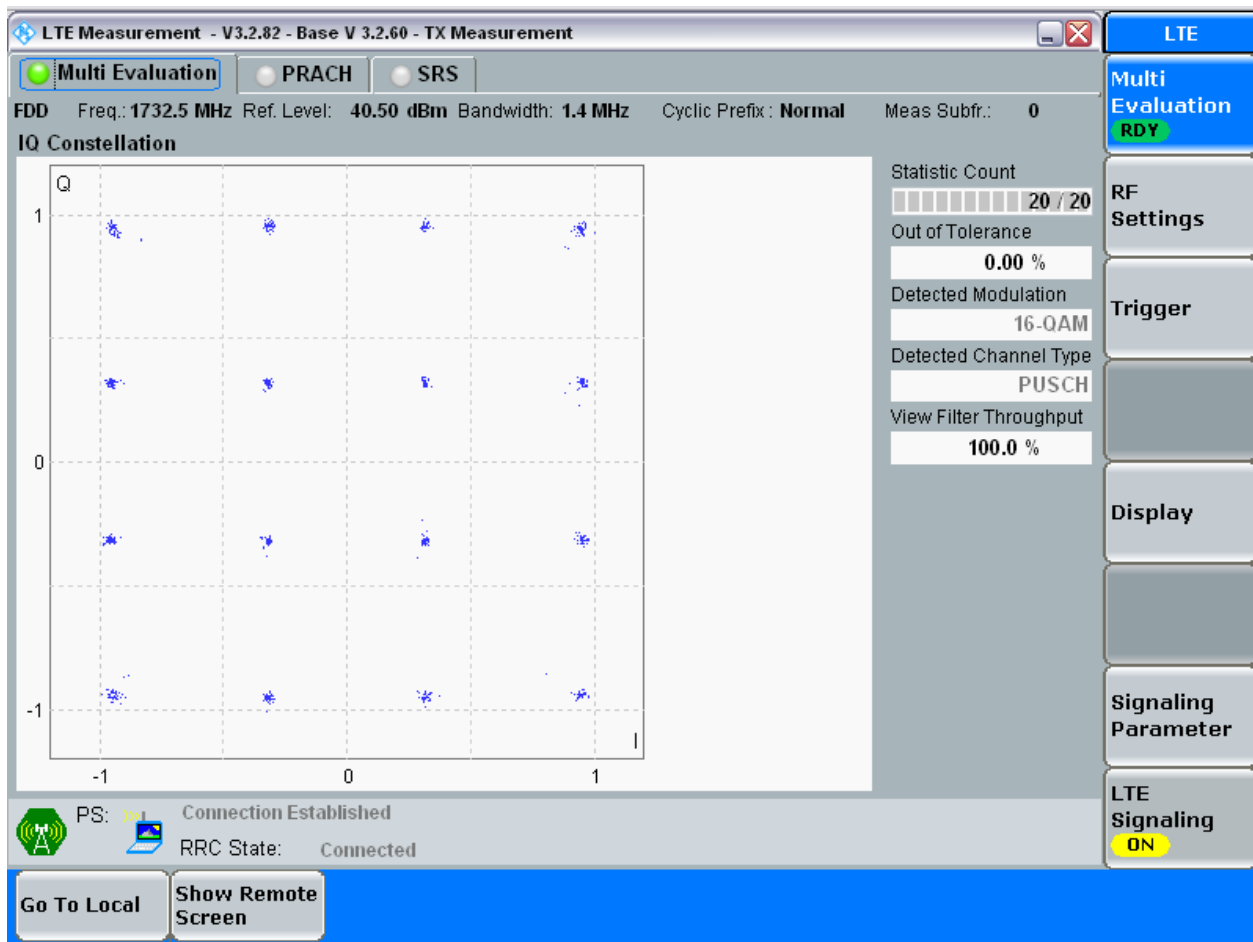


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

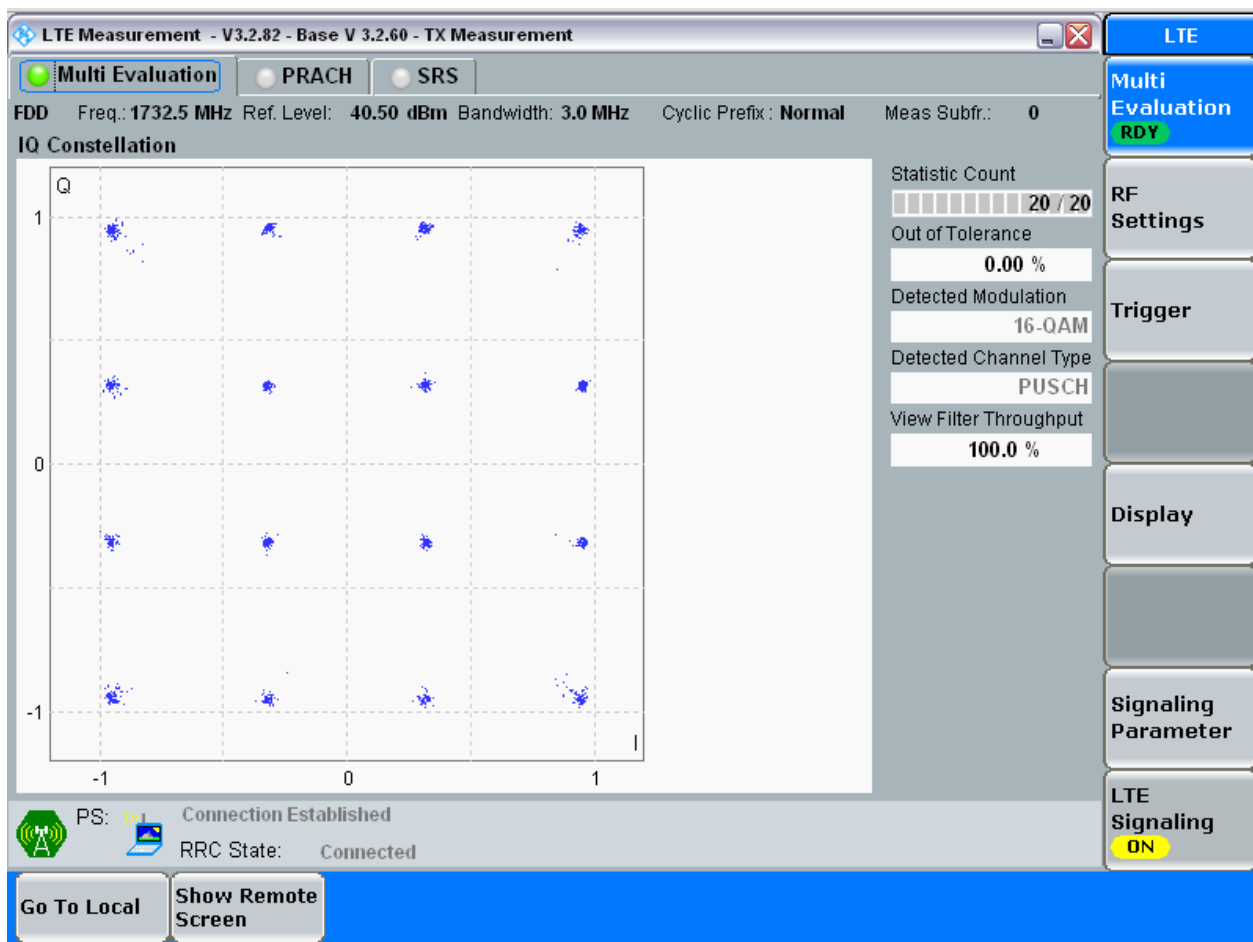
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

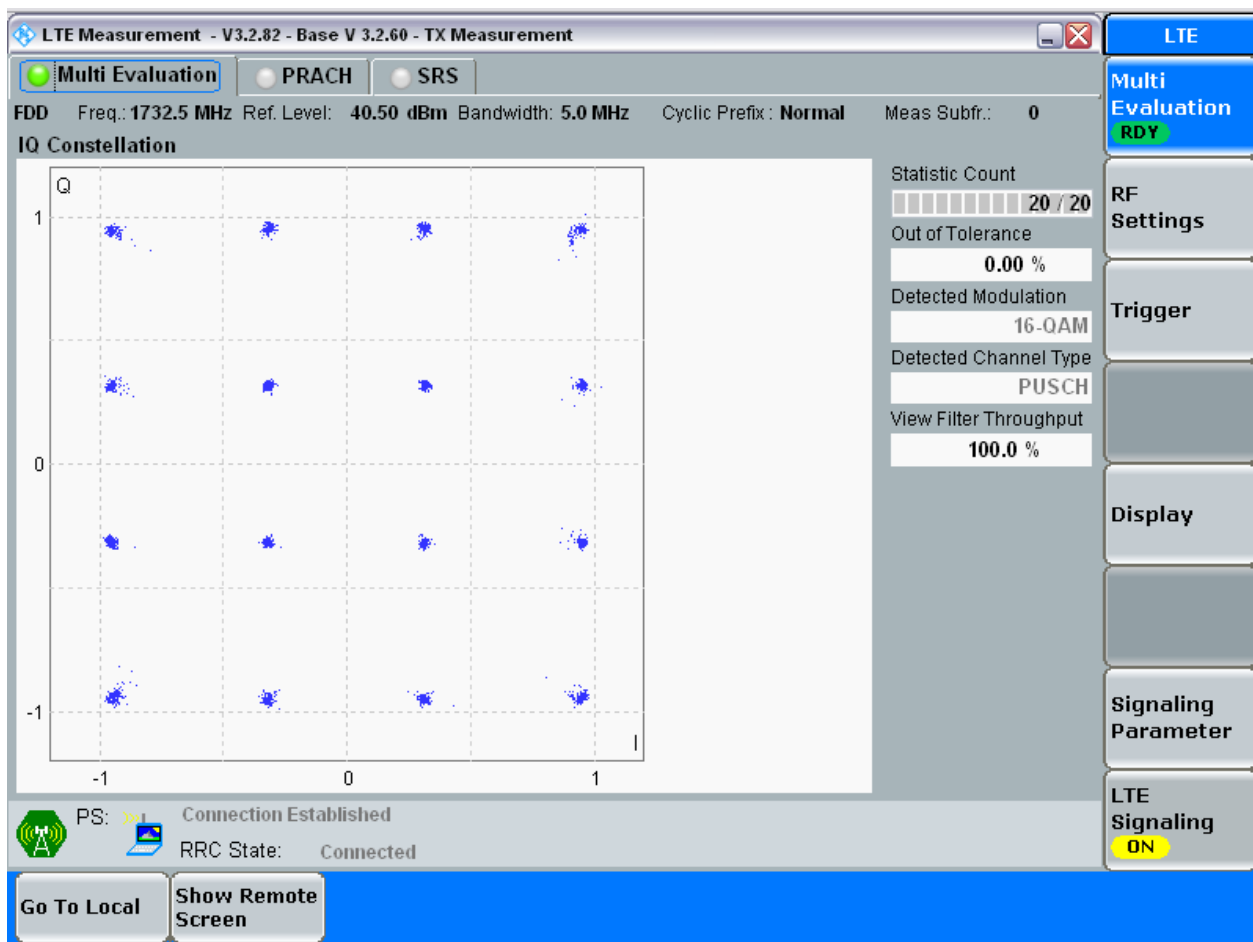
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

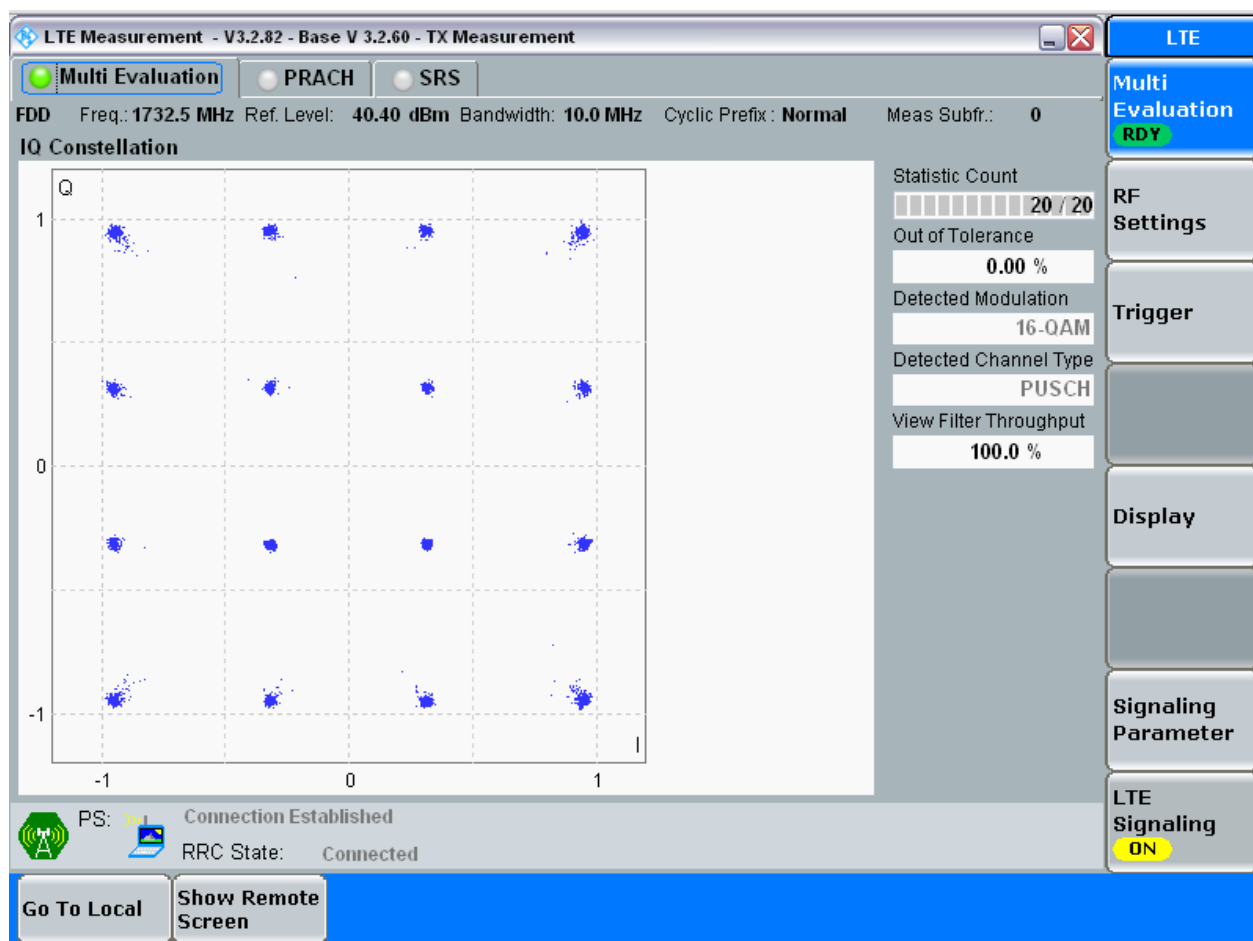
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

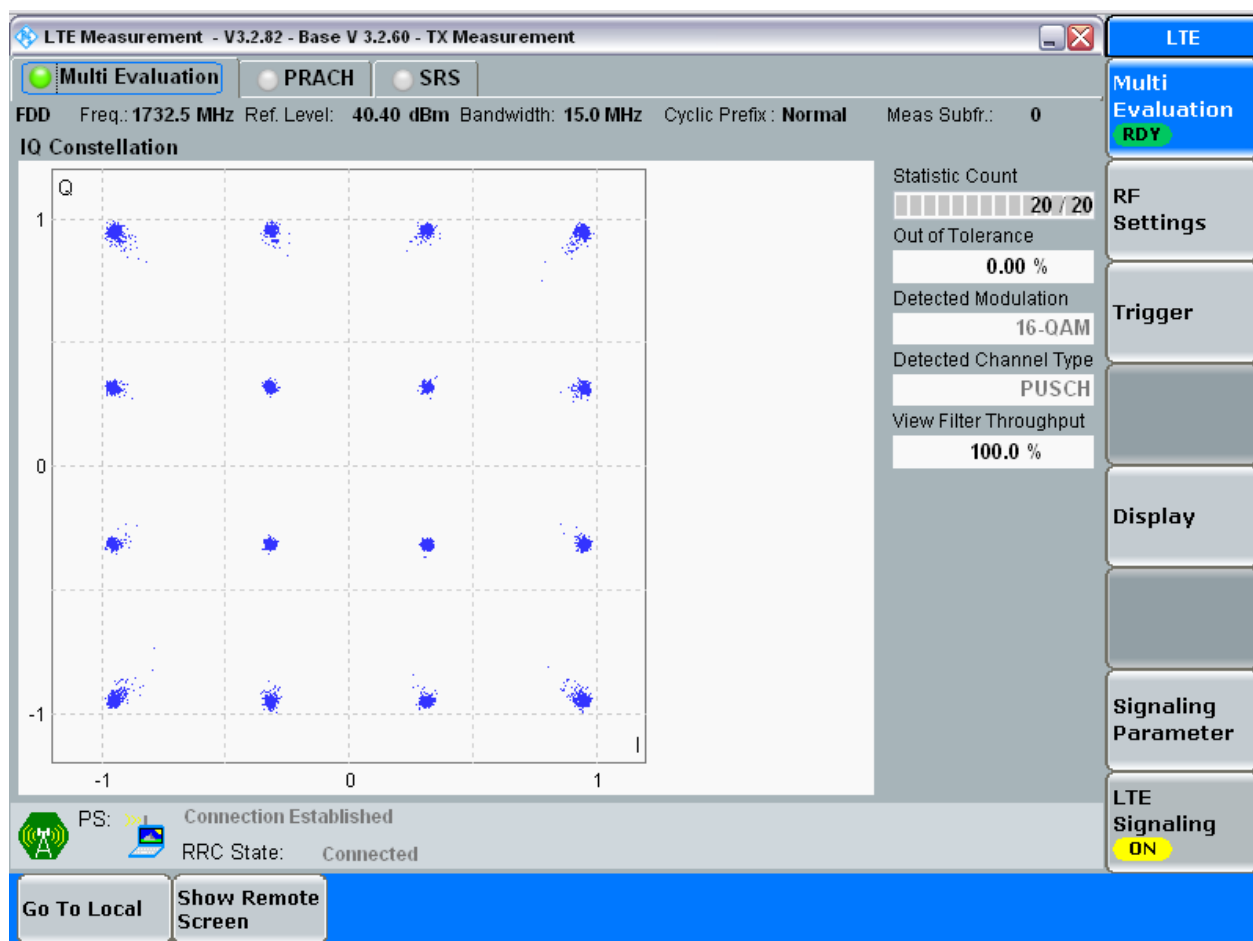
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

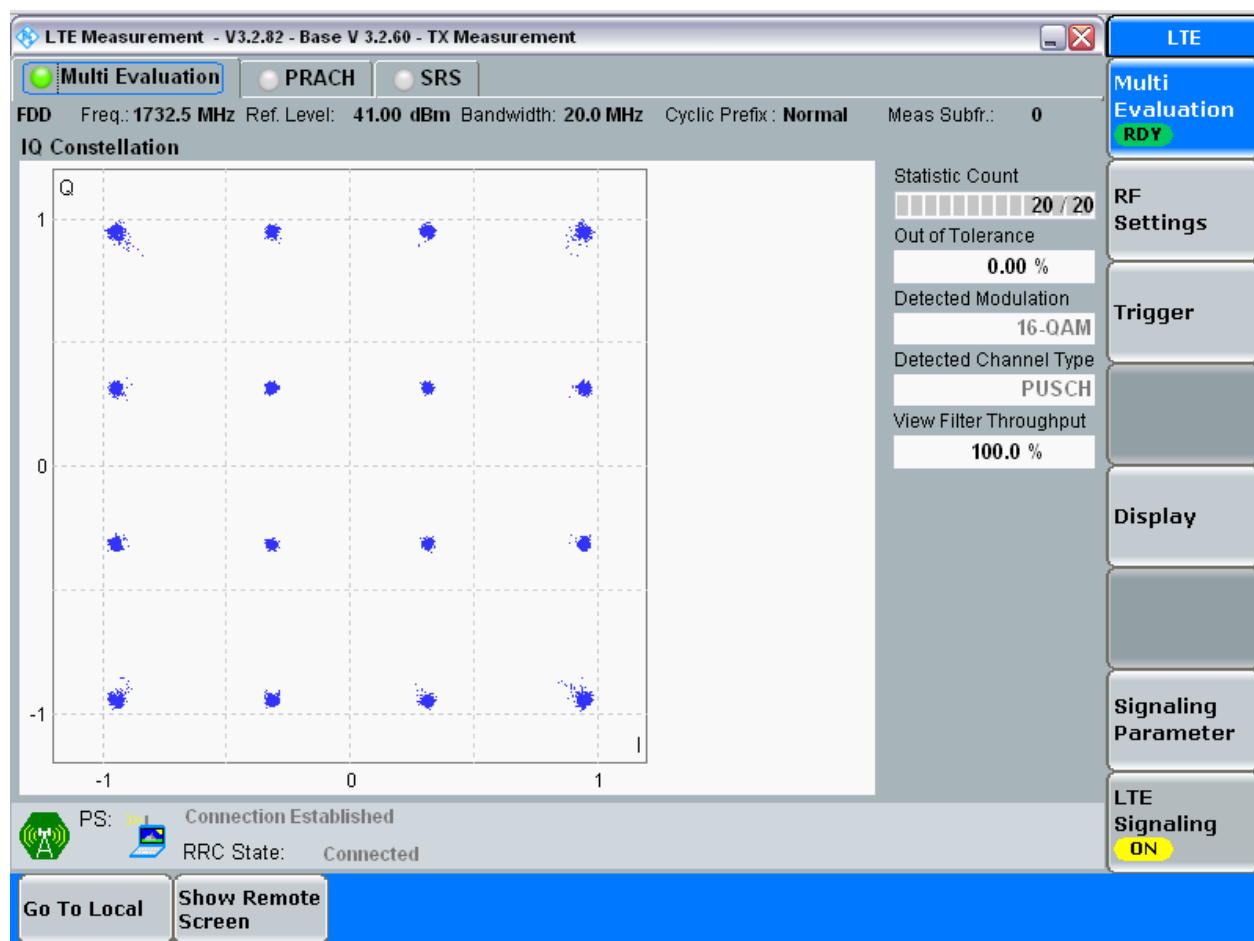
3.1.1.2.5.1.1 Test RB = RB75#0



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		1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.10	1.23	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.70	2.97	Pass
			HCH	RB15#0	2.70	2.97	Pass
		5	LCH	RB25#0	4.51	4.96	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.50	4.96	Pass
		10	LCH	RB50#0	8.98	9.83	Pass
			MCH	RB50#0	9.00	9.90	Pass
			HCH	RB50#0	8.99	9.84	Pass
		15	LCH	RB75#0	13.48	14.94	Pass
			MCH	RB75#0	13.49	14.96	Pass
			HCH	RB75#0	13.46	14.98	Pass
		20	LCH	RB100#0	17.96	19.74	Pass
			MCH	RB100#0	17.99	19.76	Pass
			HCH	RB100#0	17.96	19.82	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.71	2.96	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.50	4.83	Pass
			MCH	RB25#0	4.50	4.86	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.97	9.66	Pass
			MCH	RB50#0	8.98	9.64	Pass
			HCH	RB50#0	8.98	9.58	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.49	14.50	Pass
			MCH	RB75#0	13.47	14.33	Pass
			HCH	RB75#0	13.48	14.42	Pass
		20	LCH	RB100#0	17.97	19.10	Pass
			MCH	RB100#0	17.95	19.05	Pass
			HCH	RB100#0	17.95	19.03	Pass



Part II - Test Plots

4.1 For LTE

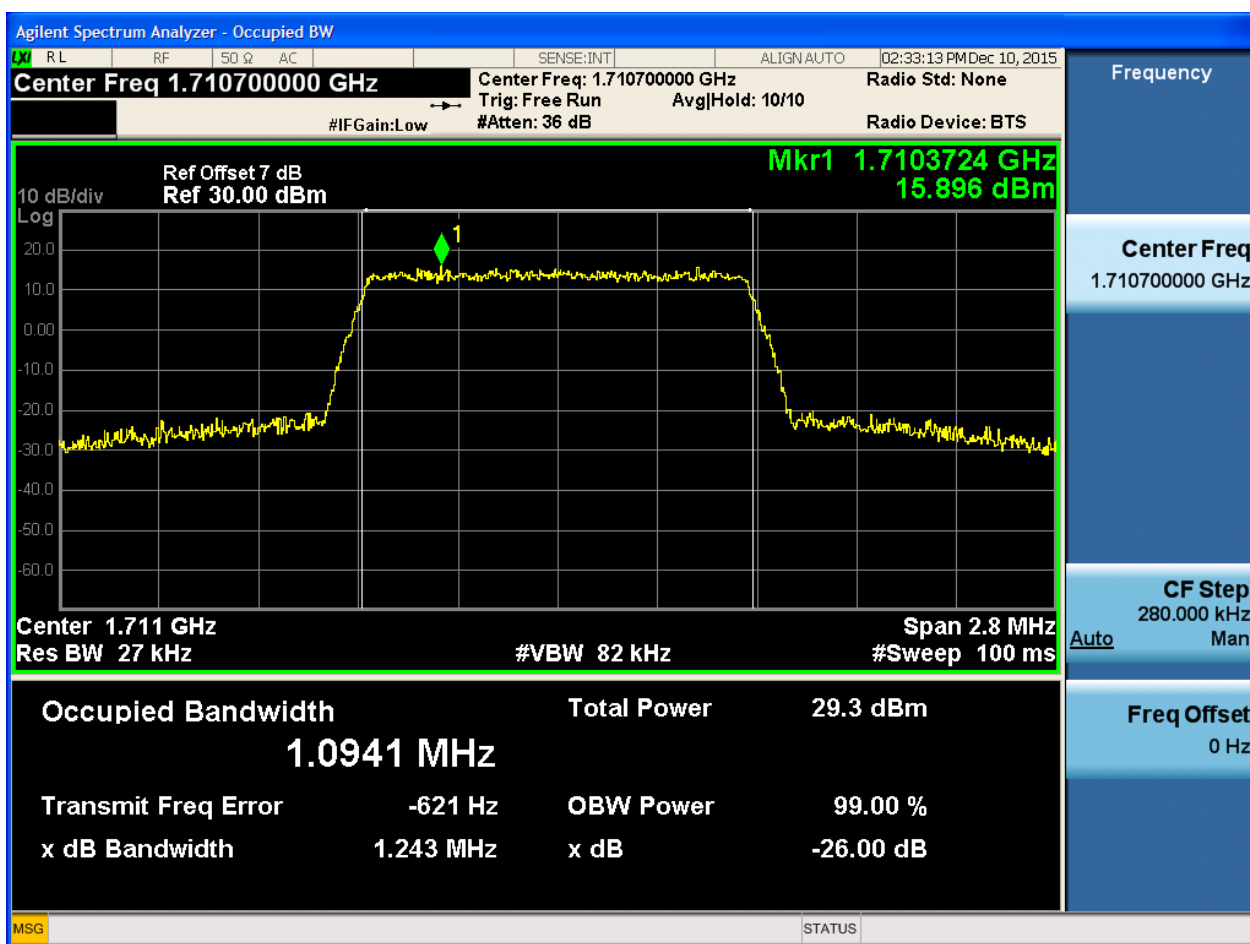
4.1.1 Test Band = BAND4

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

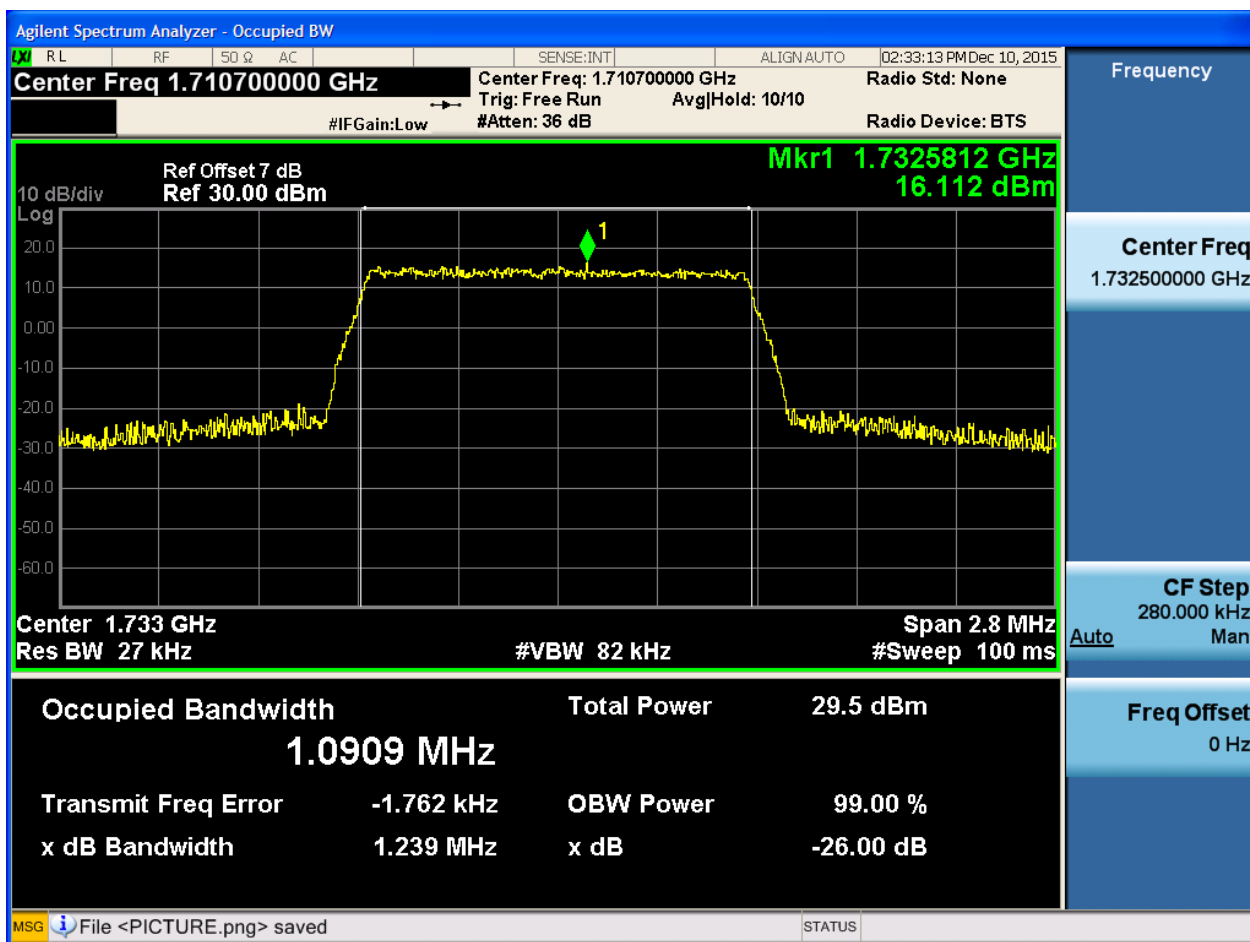
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

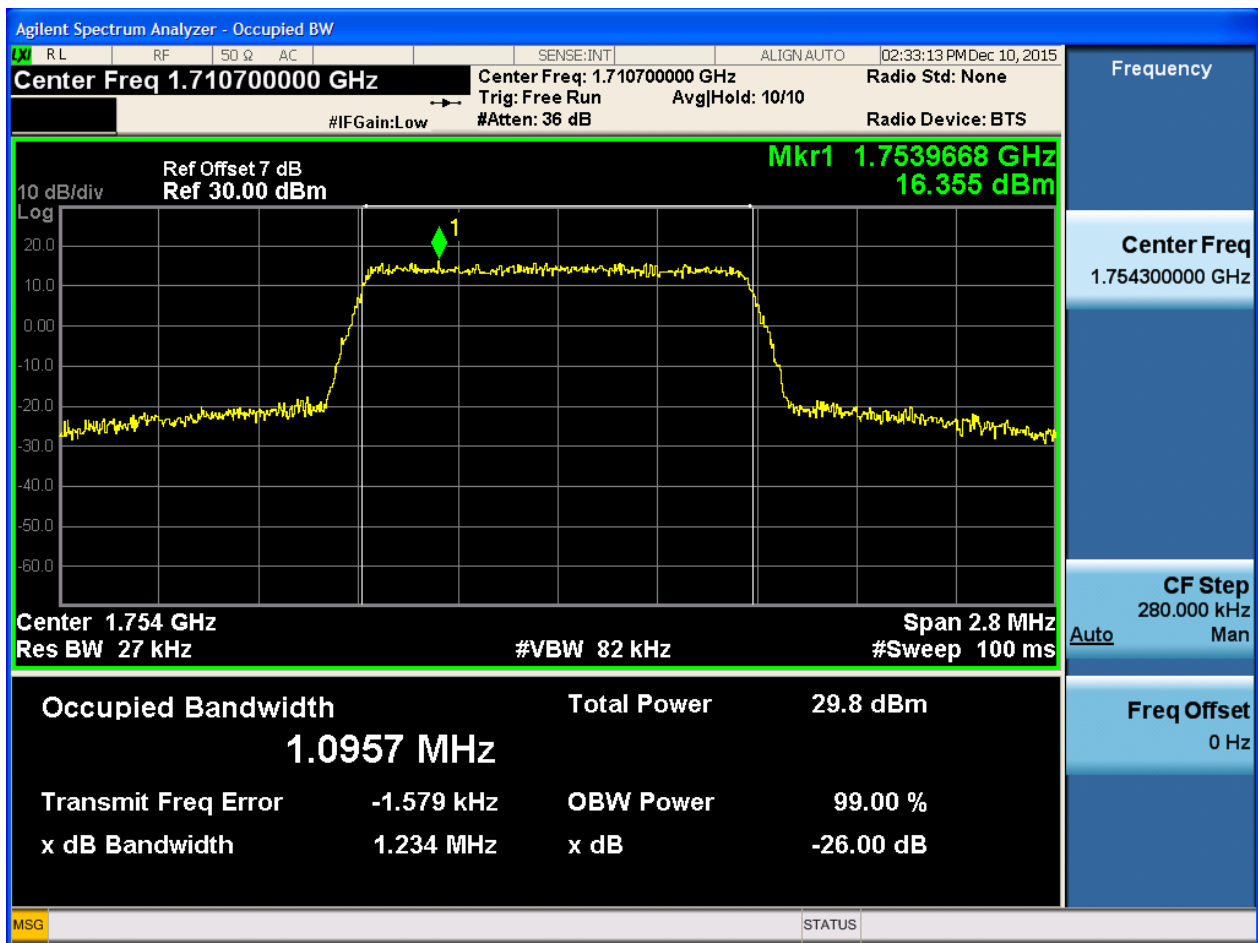
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

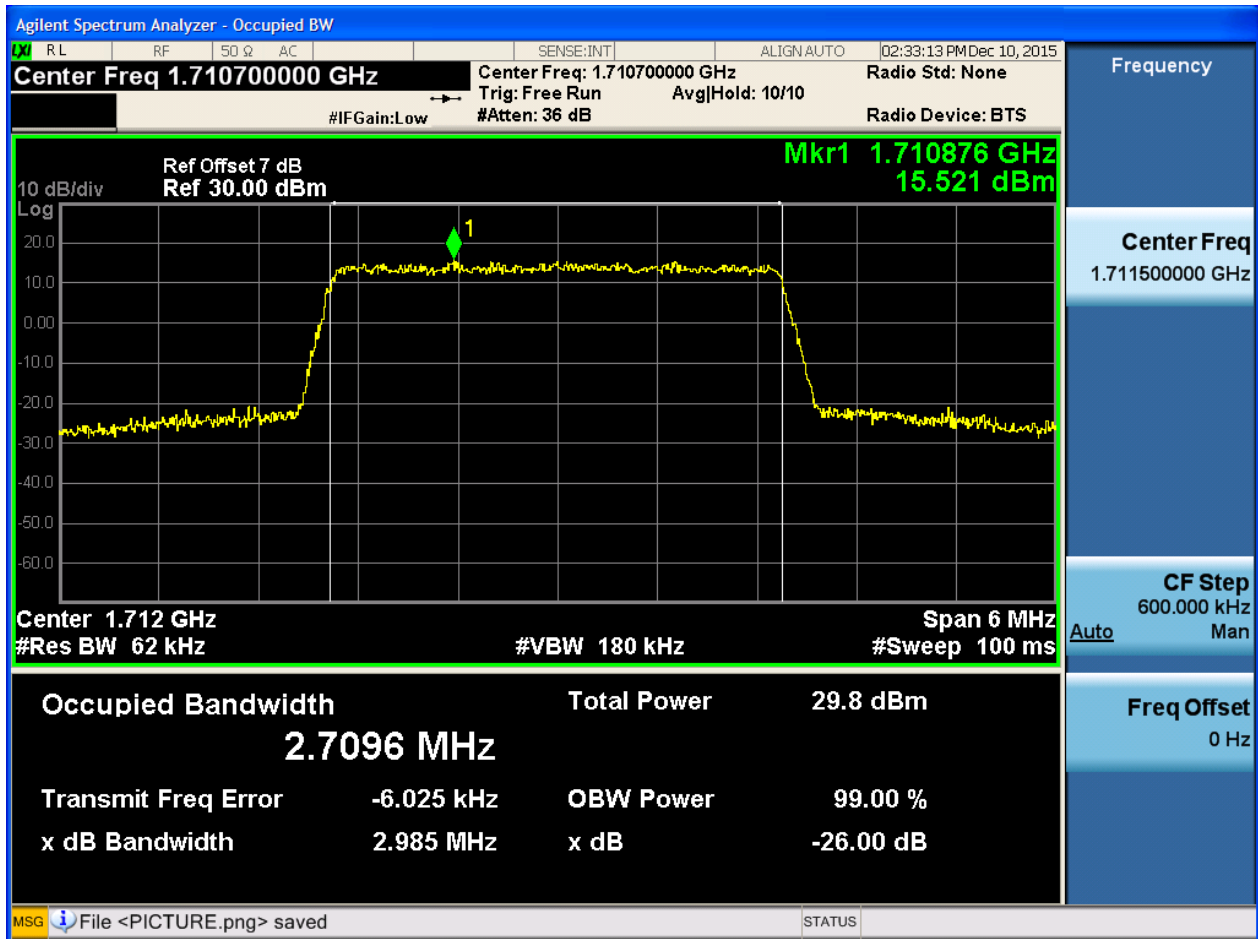




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

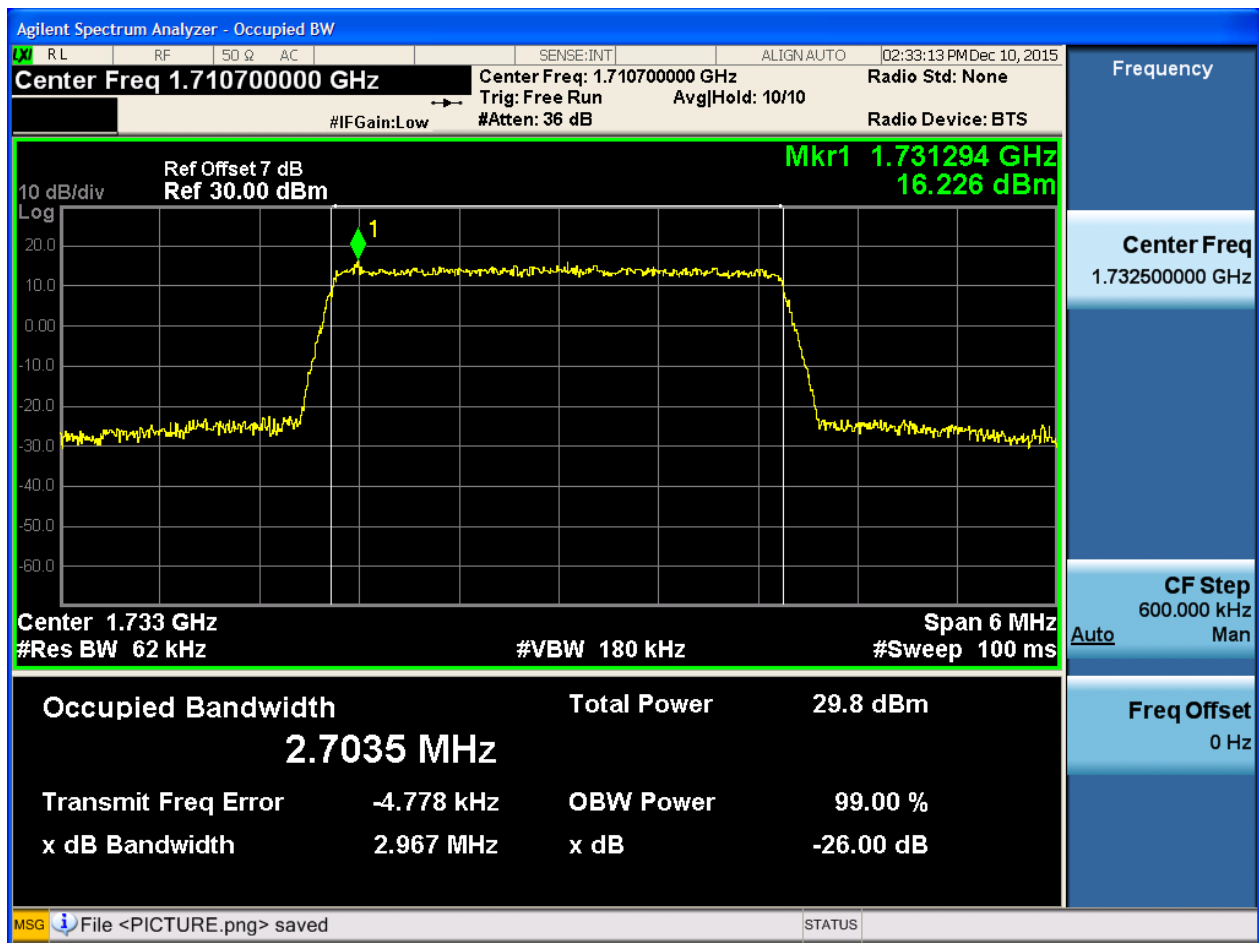
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

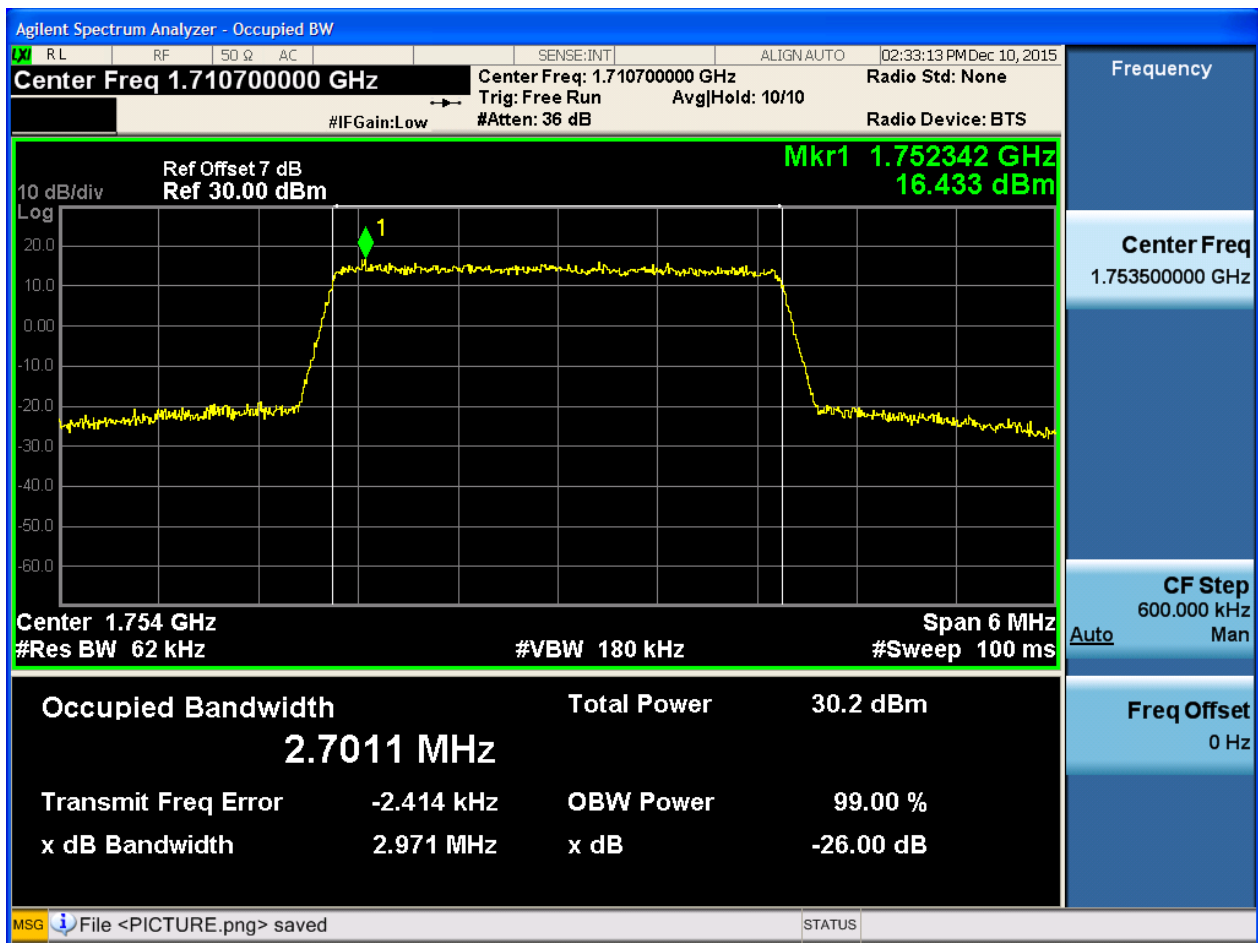
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

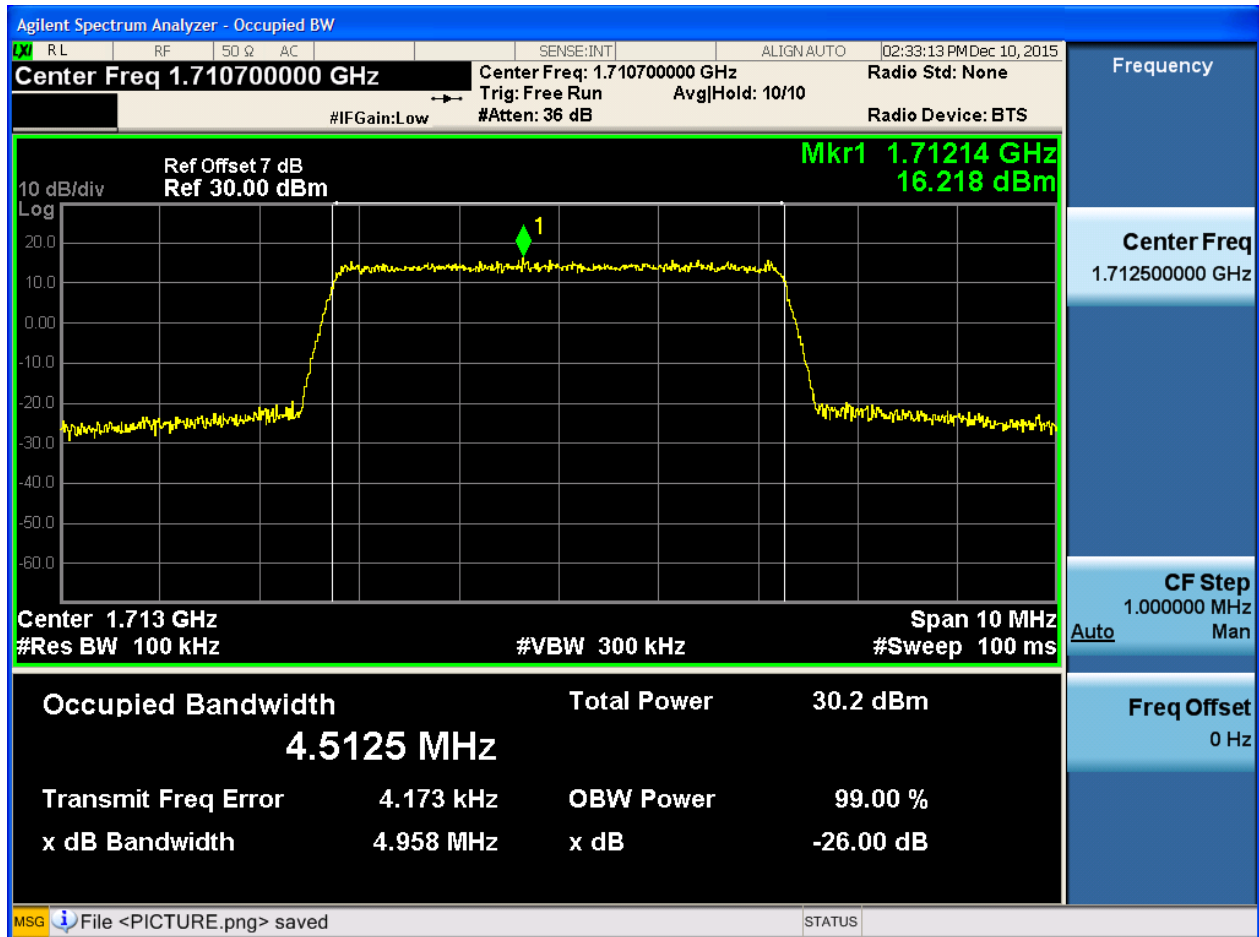




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

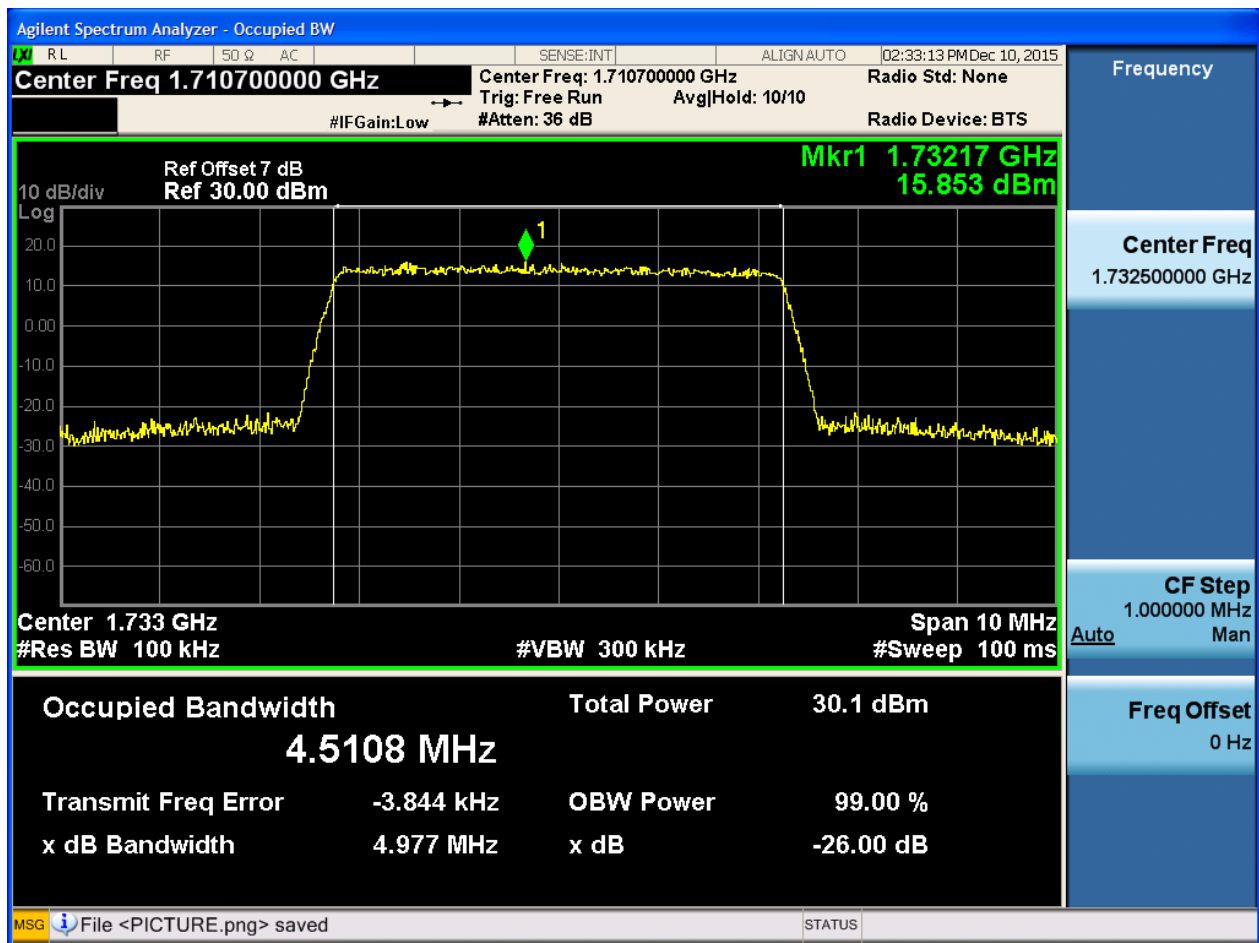
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

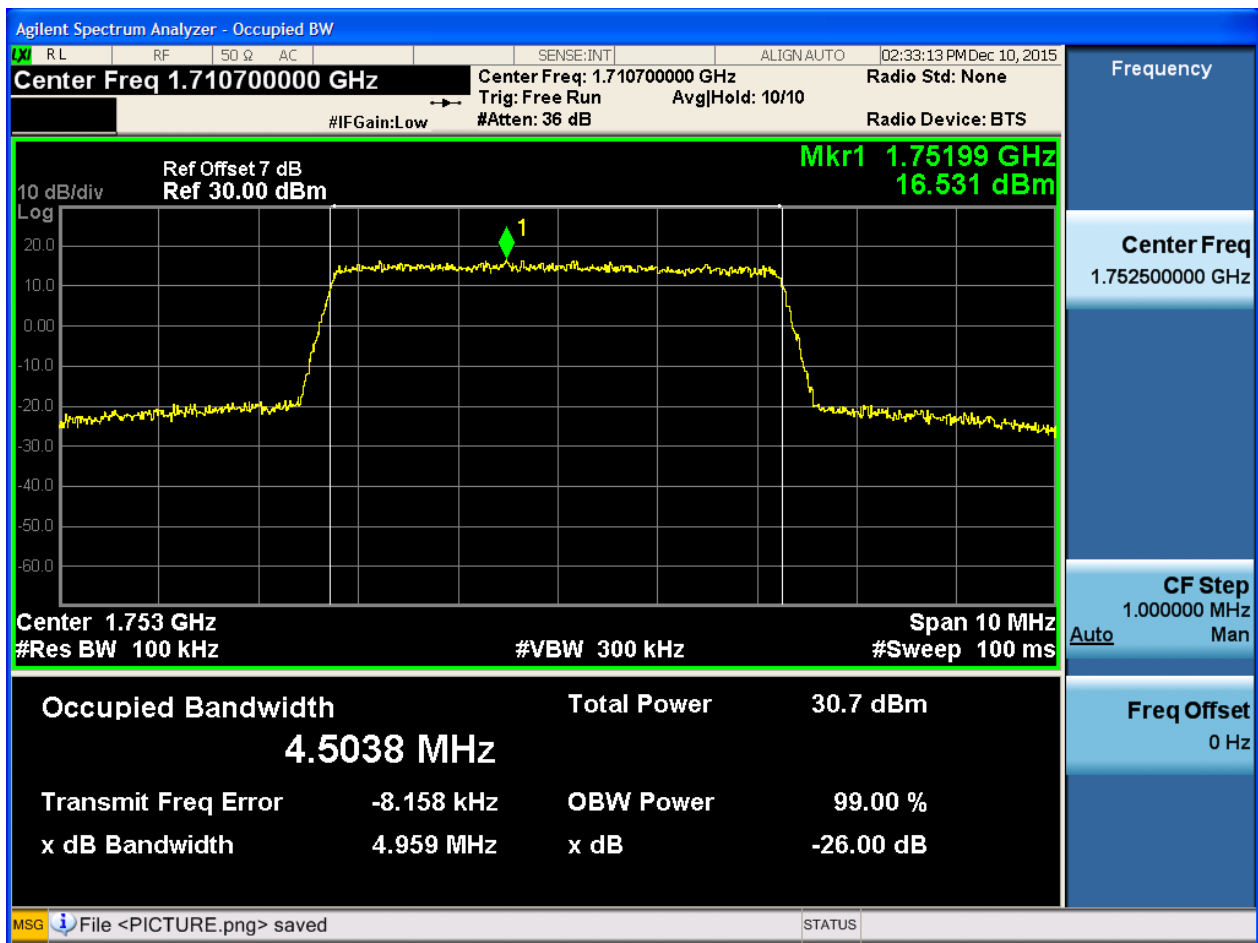
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

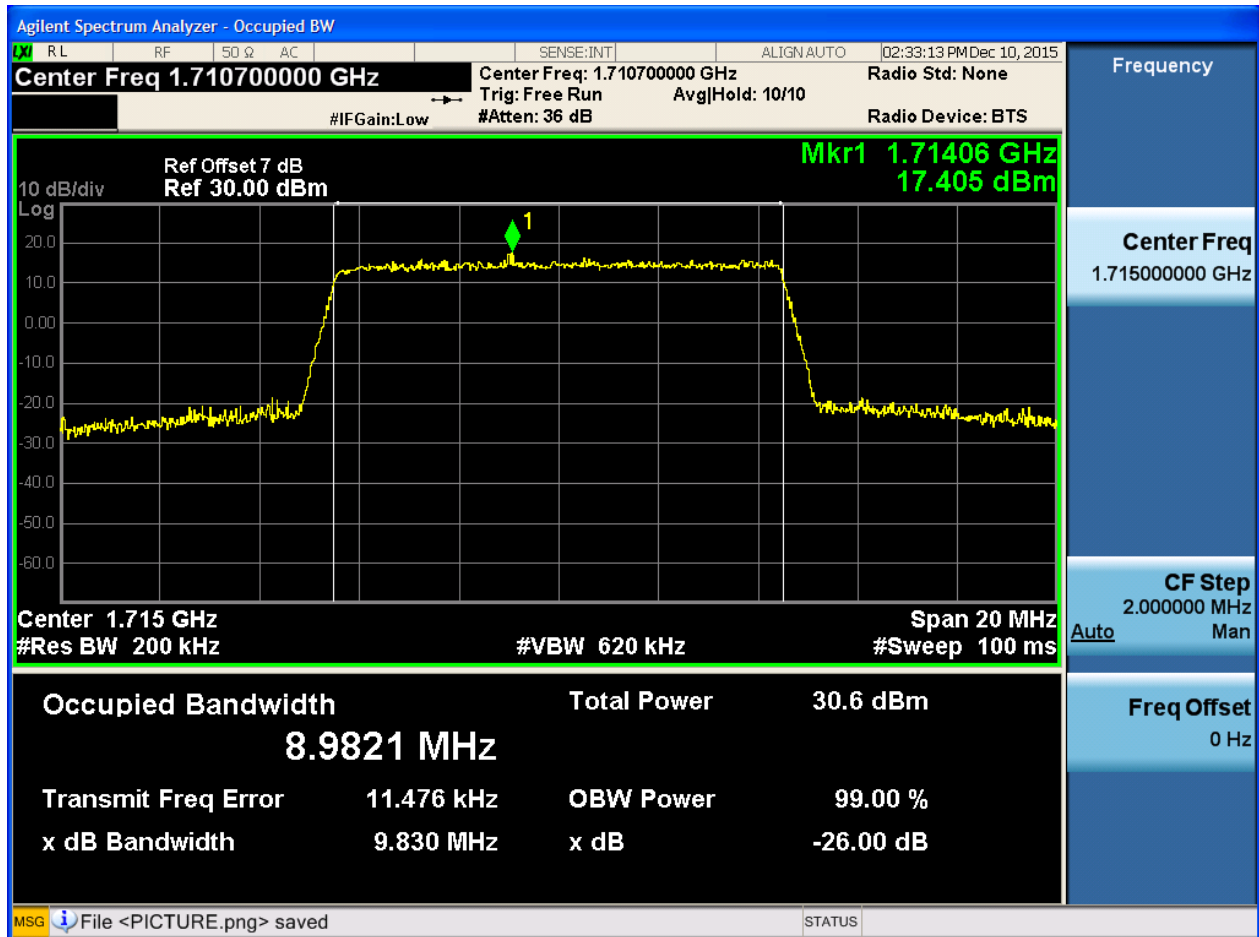




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

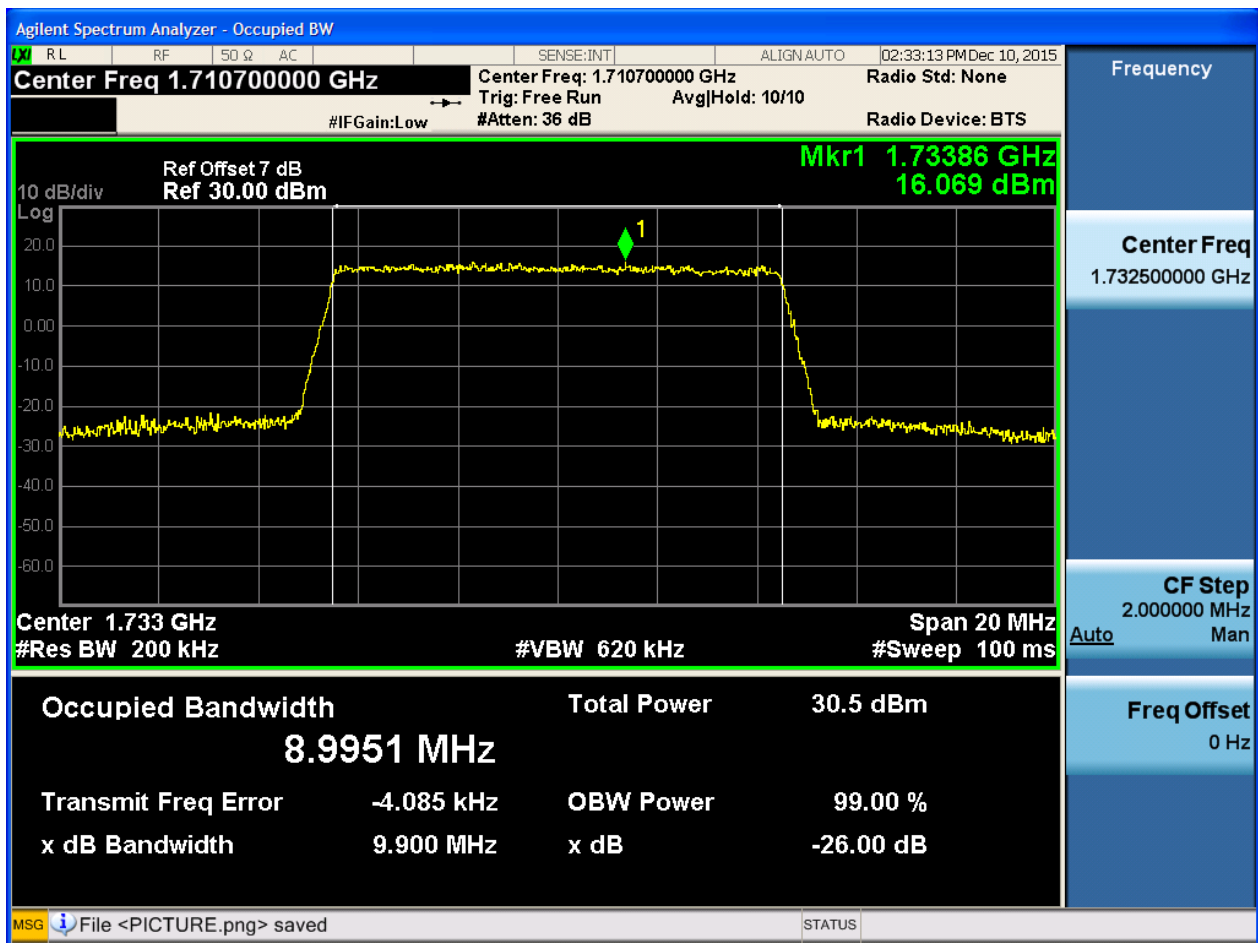
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

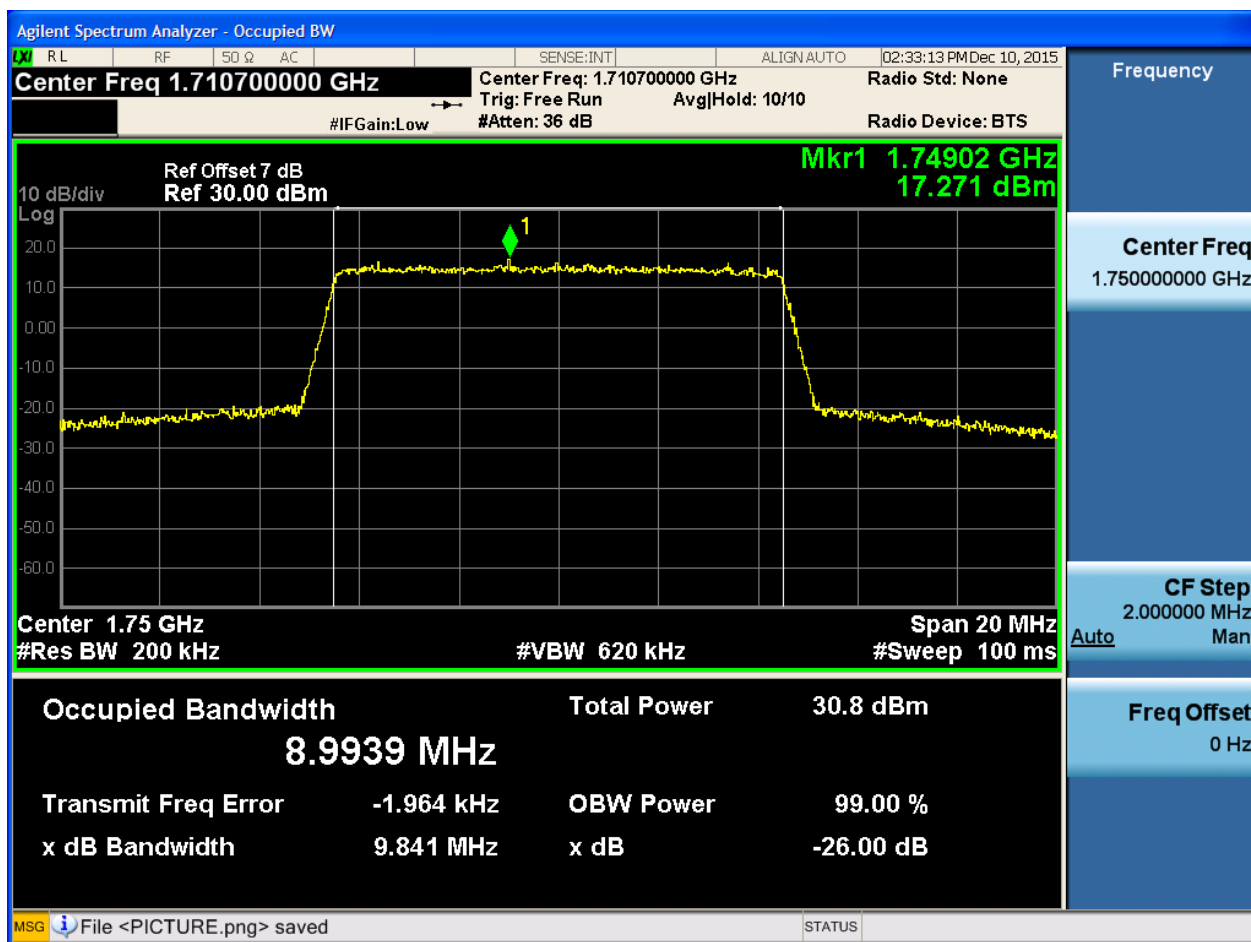
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

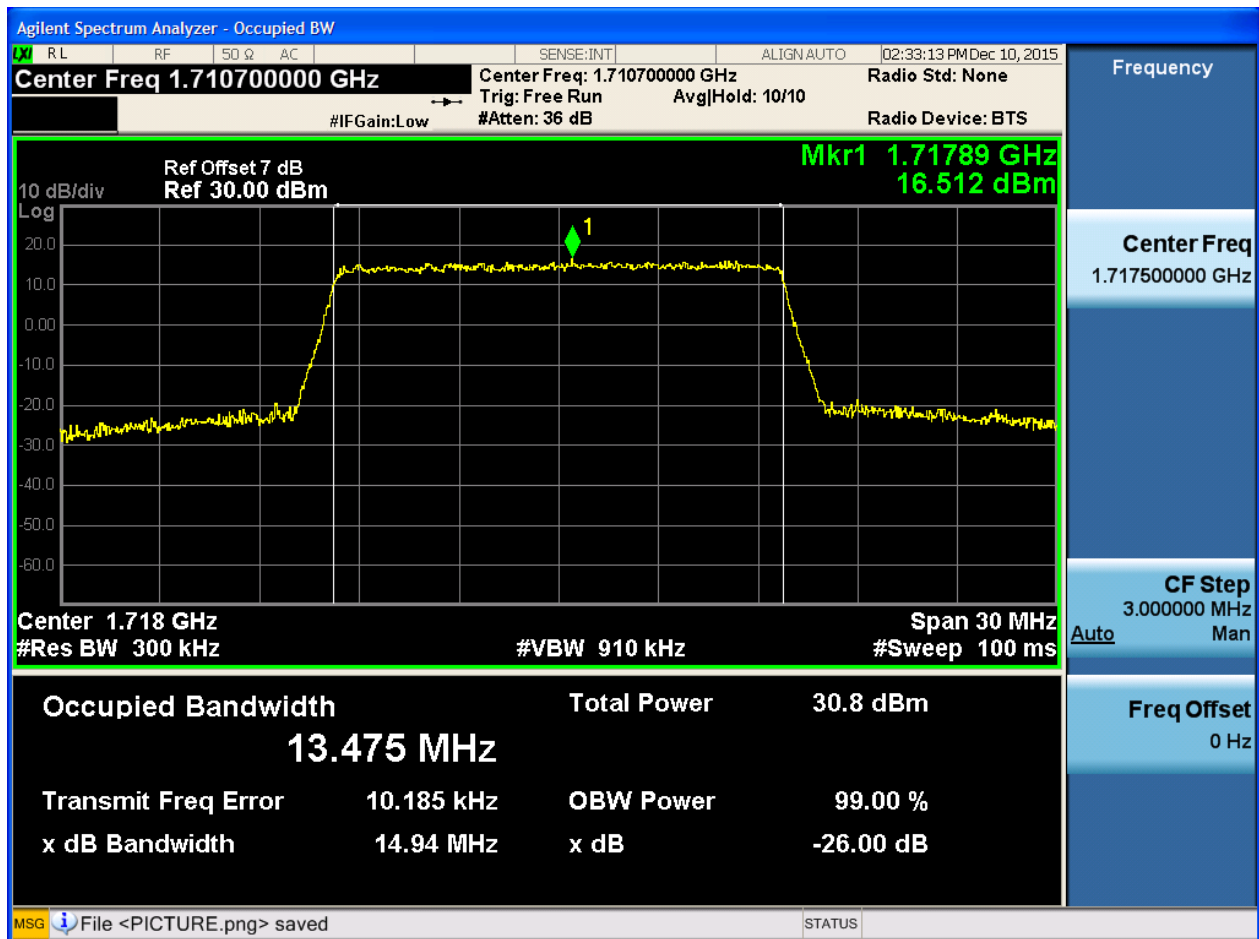




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

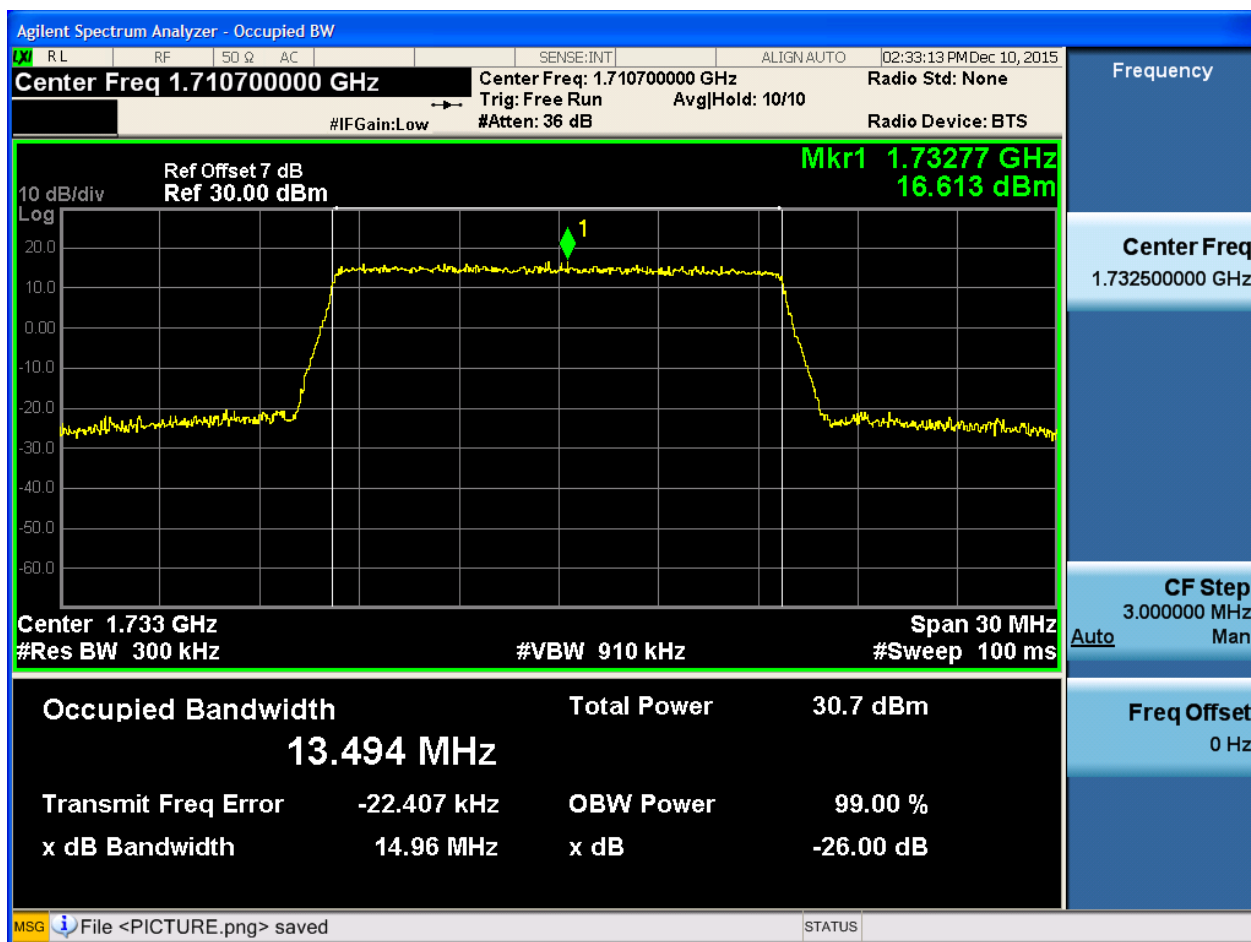
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

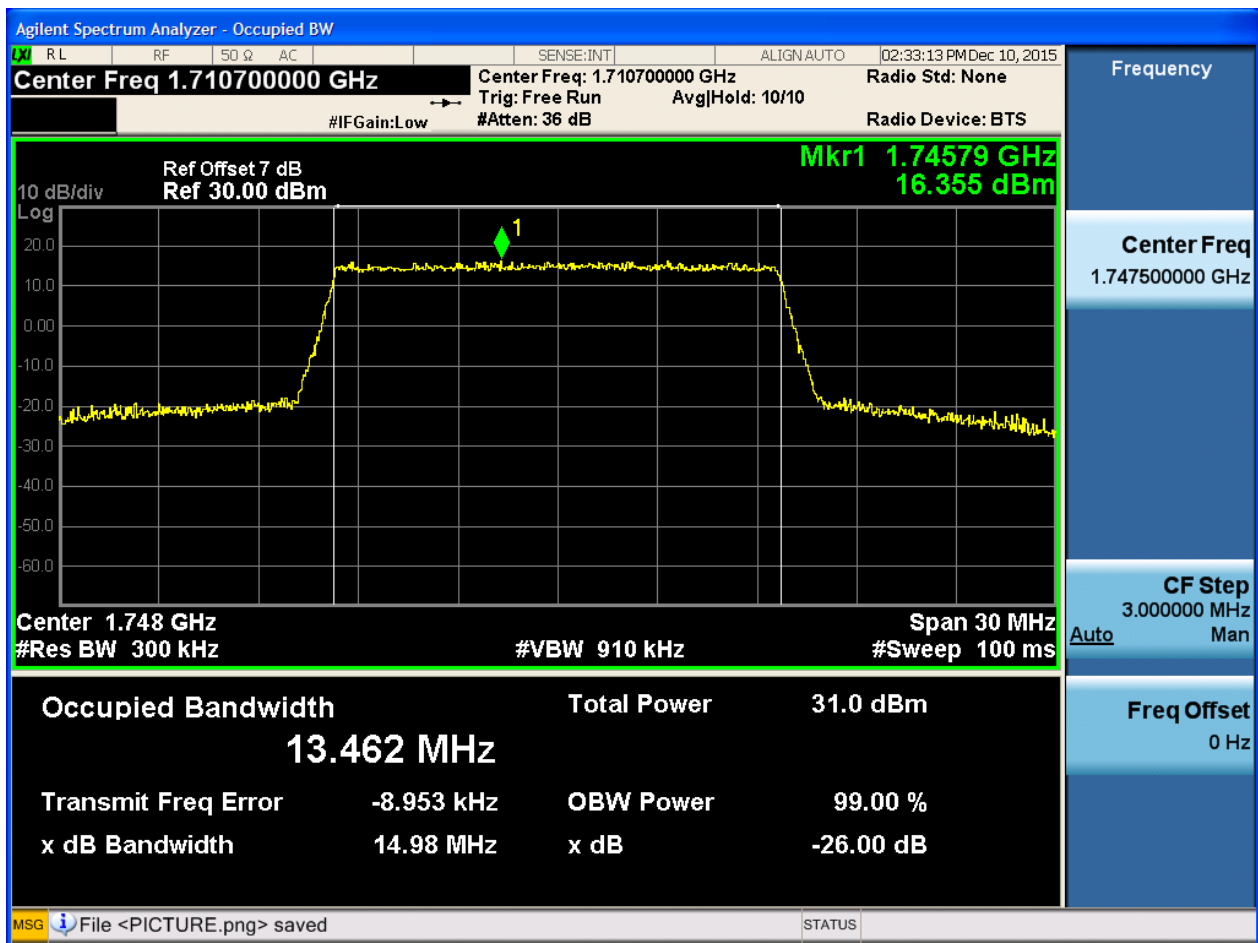
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

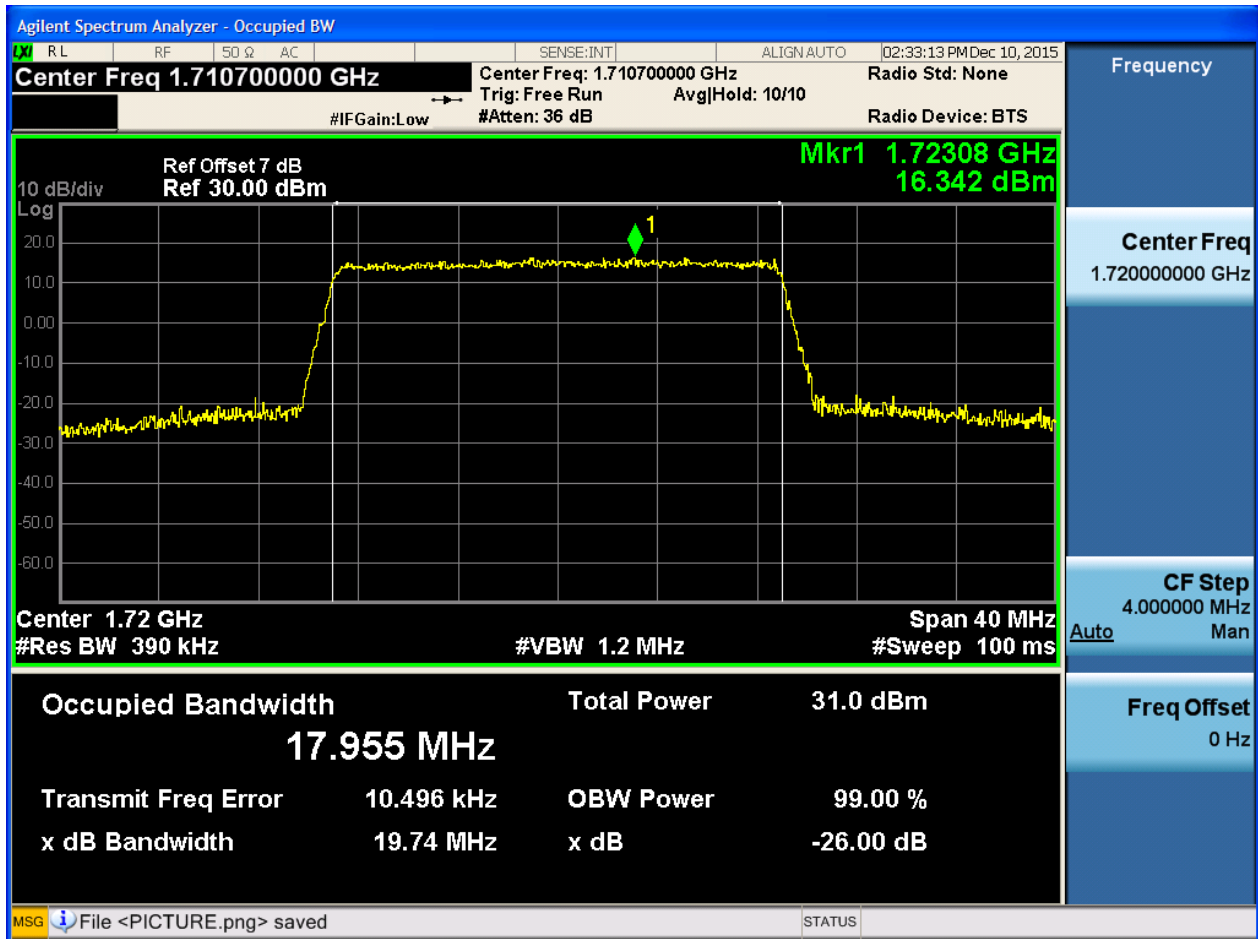




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

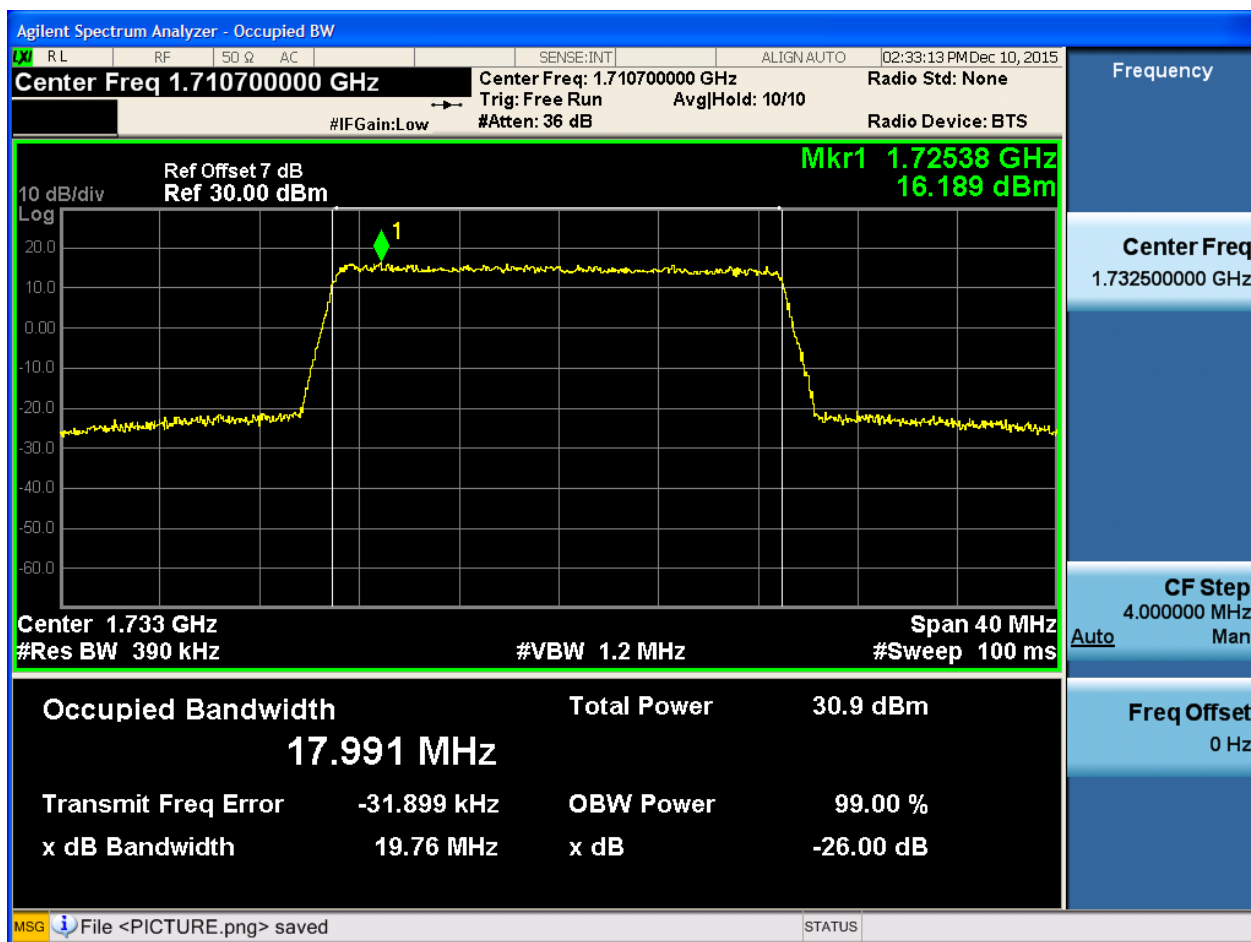
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

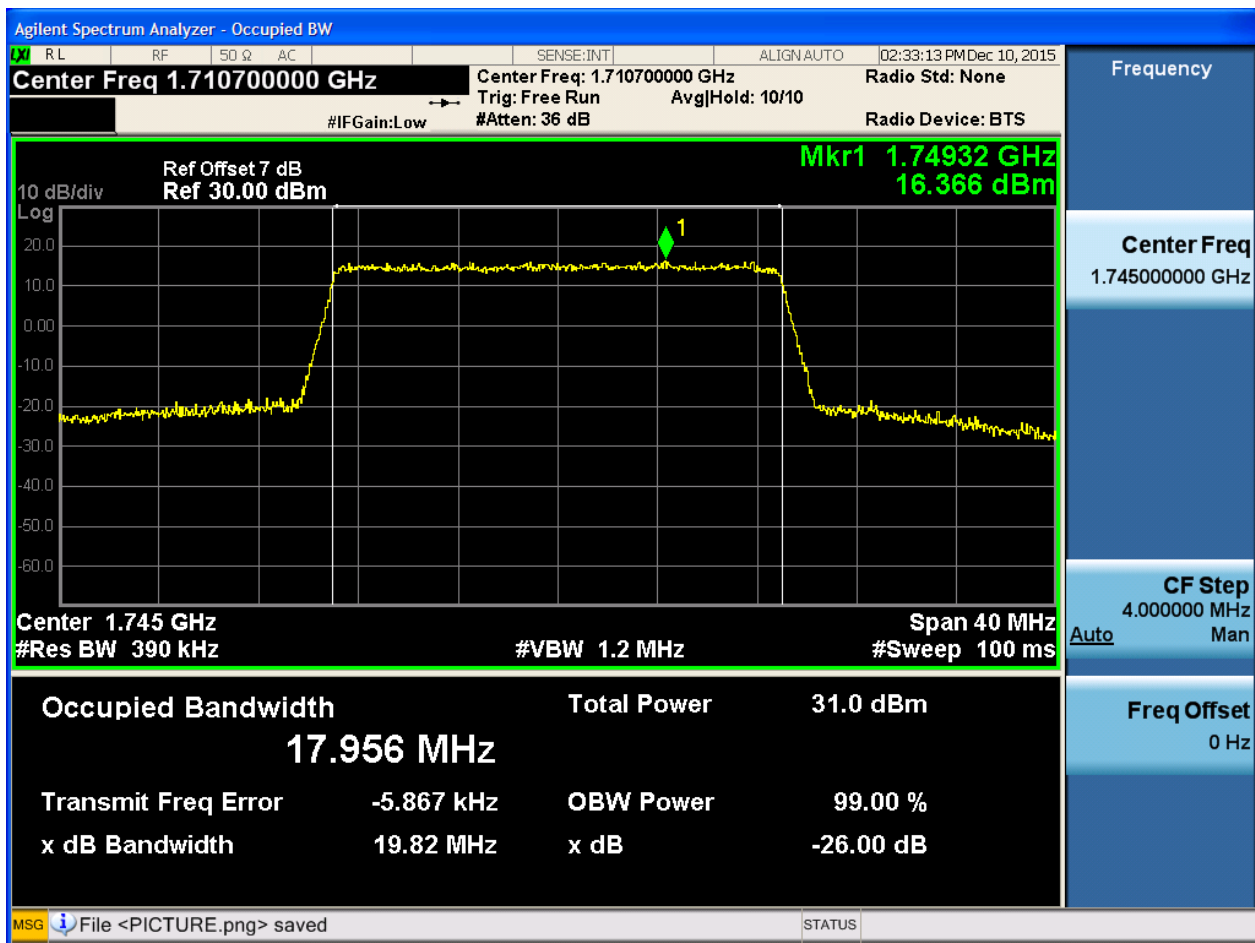
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0

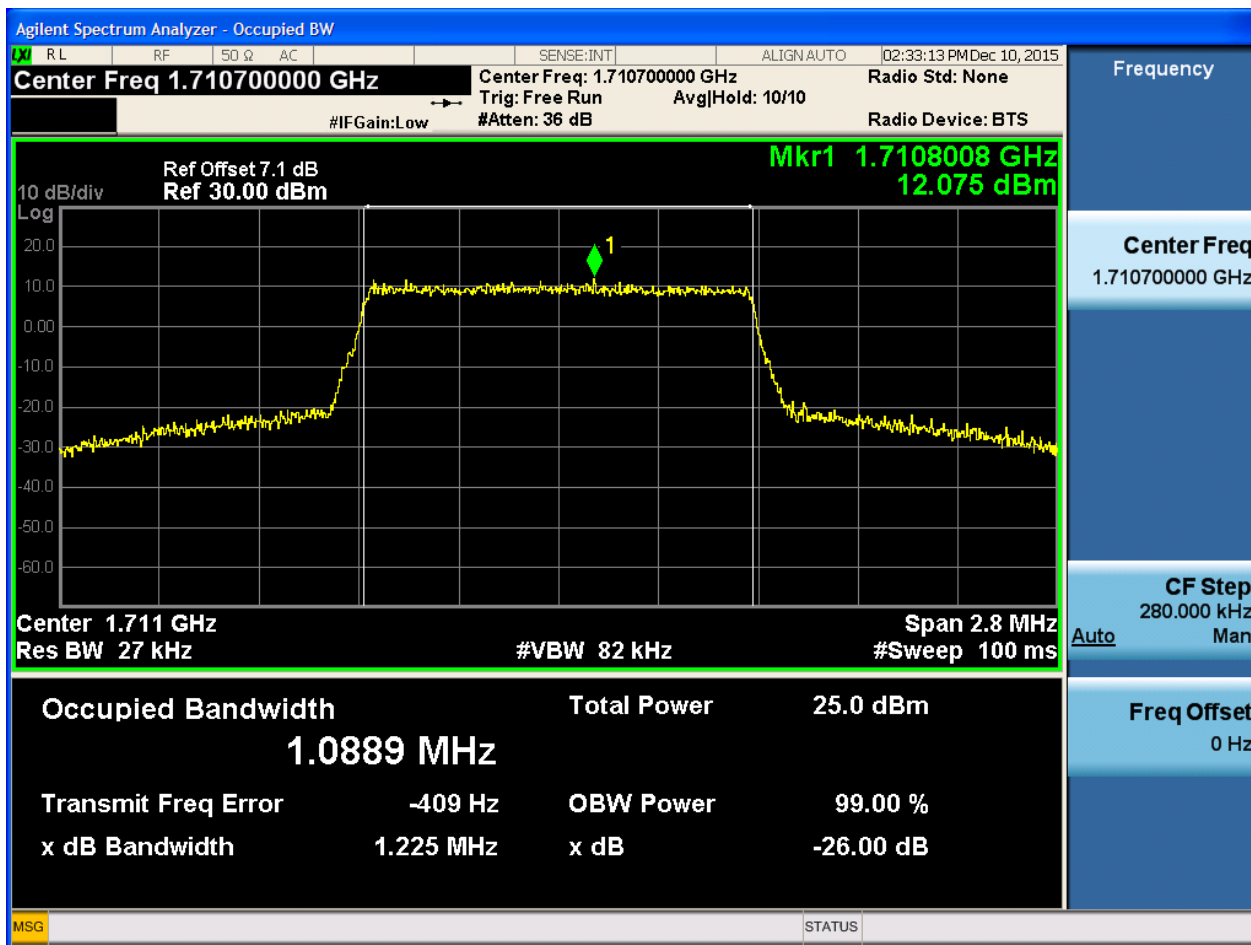


4.1.2.1 Test Mode = LTE/TM2

4.1.2.1.1 Test Bandwidth = 1.4

4.1.2.1.1.1 Test Channel = LCH

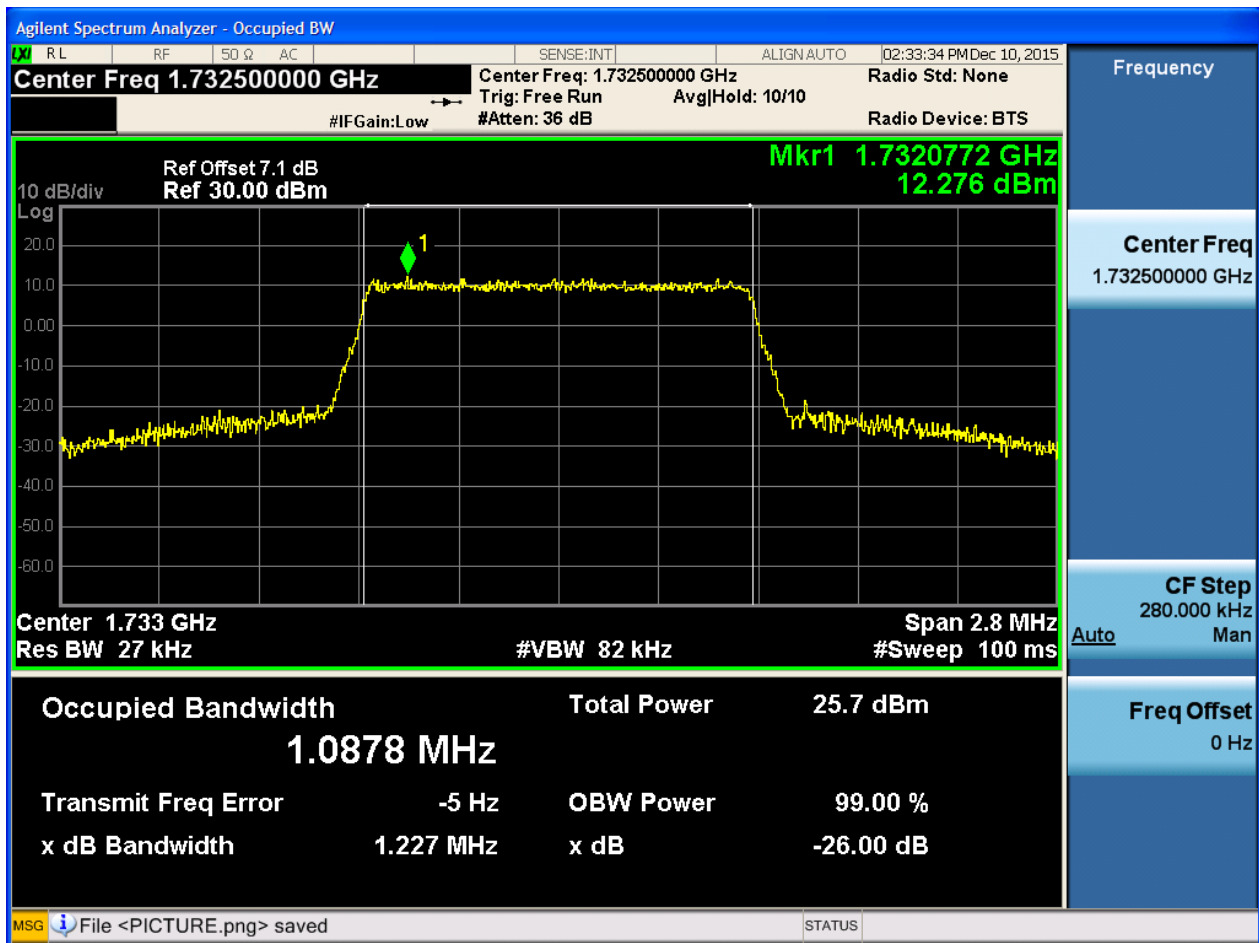
4.1.2.1.1.1.1 Test RB = RB6#0





4.1.2.1.1.2 Test Channel = MCH

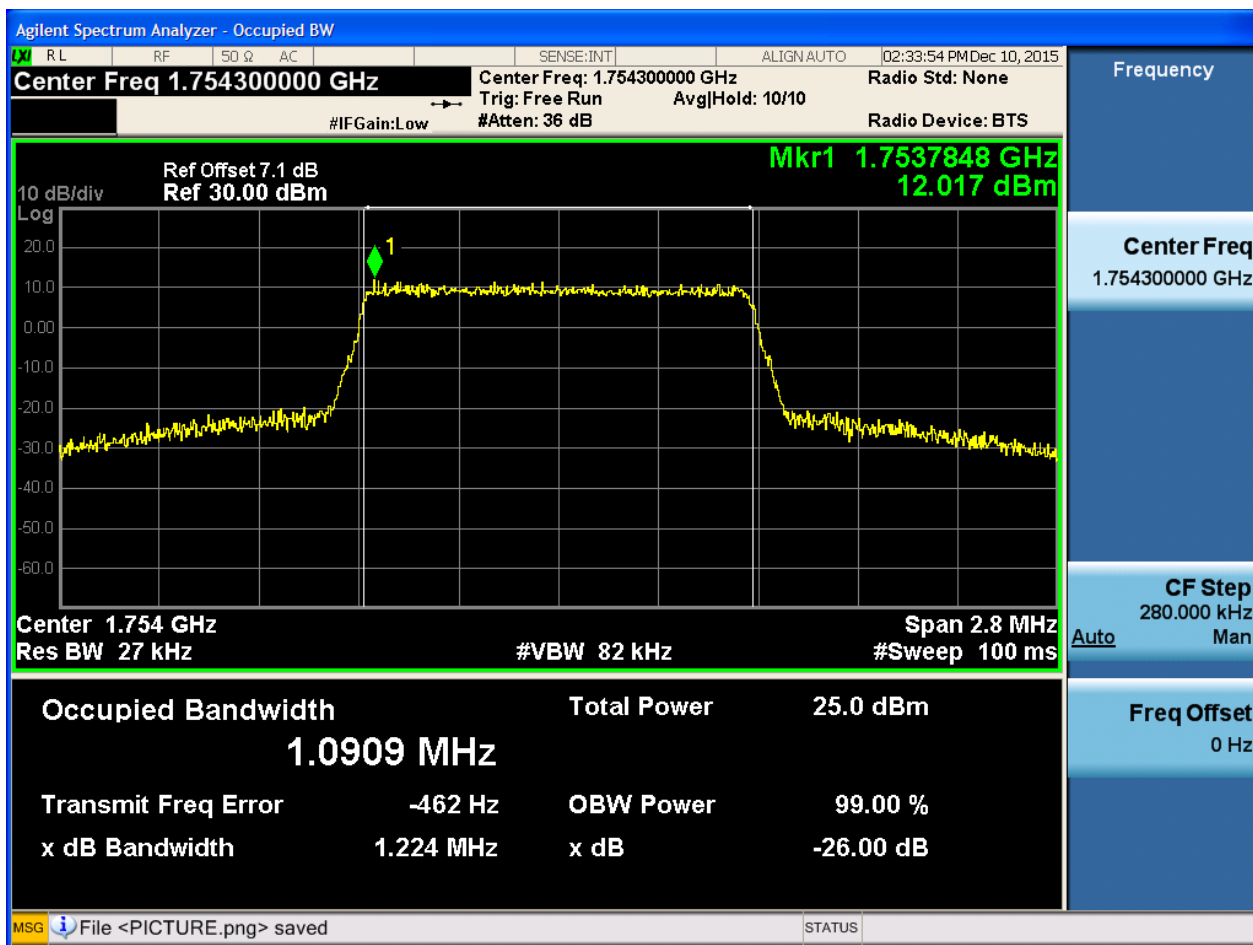
4.1.2.1.1.2.1 Test RB = RB6#0





4.1.2.1.1.3 Test Channel = HCH

4.1.2.1.1.3.1 Test RB = RB6#0

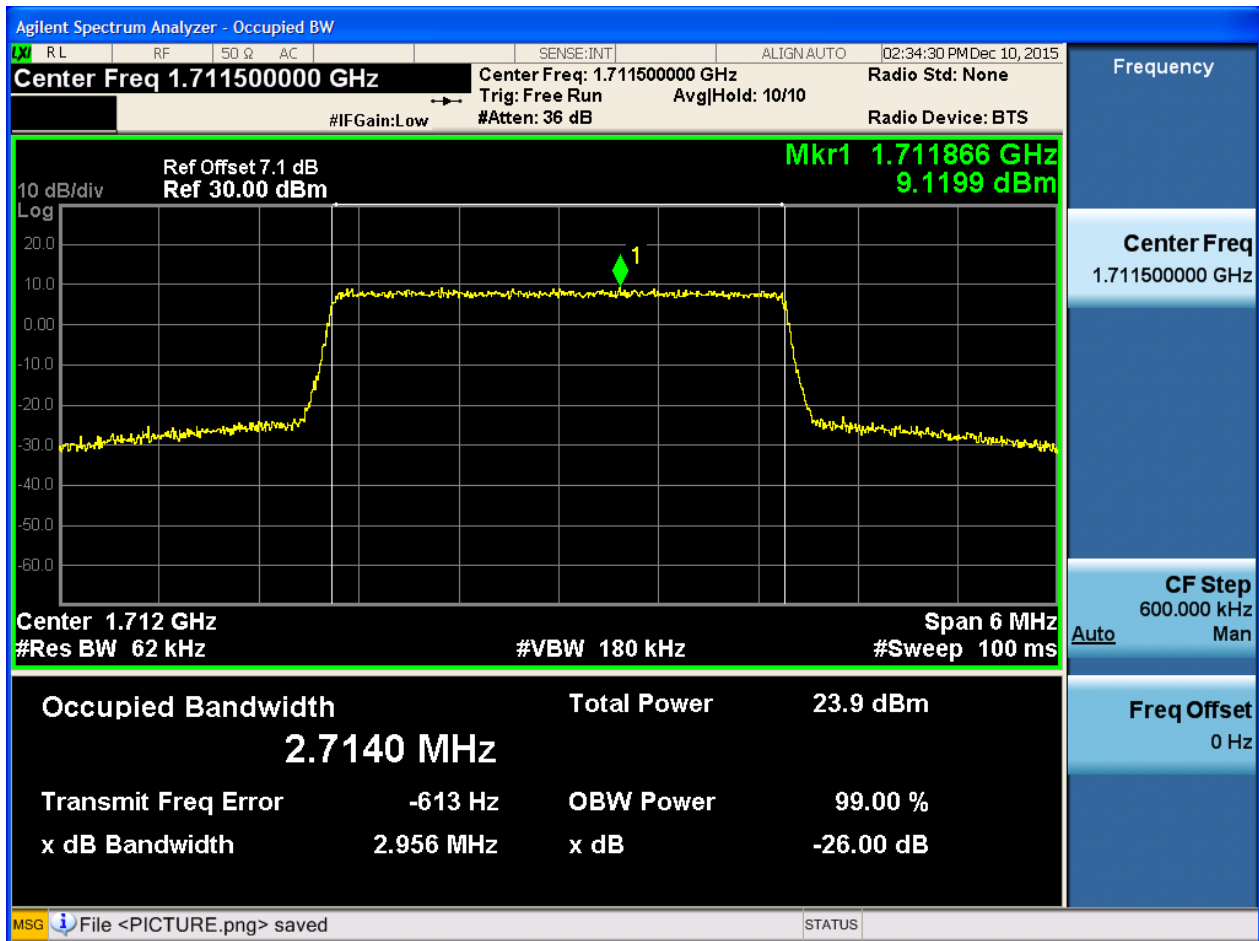




4.1.2.1.2 Test Bandwidth = 3

4.1.2.1.2.1 Test Channel = LCH

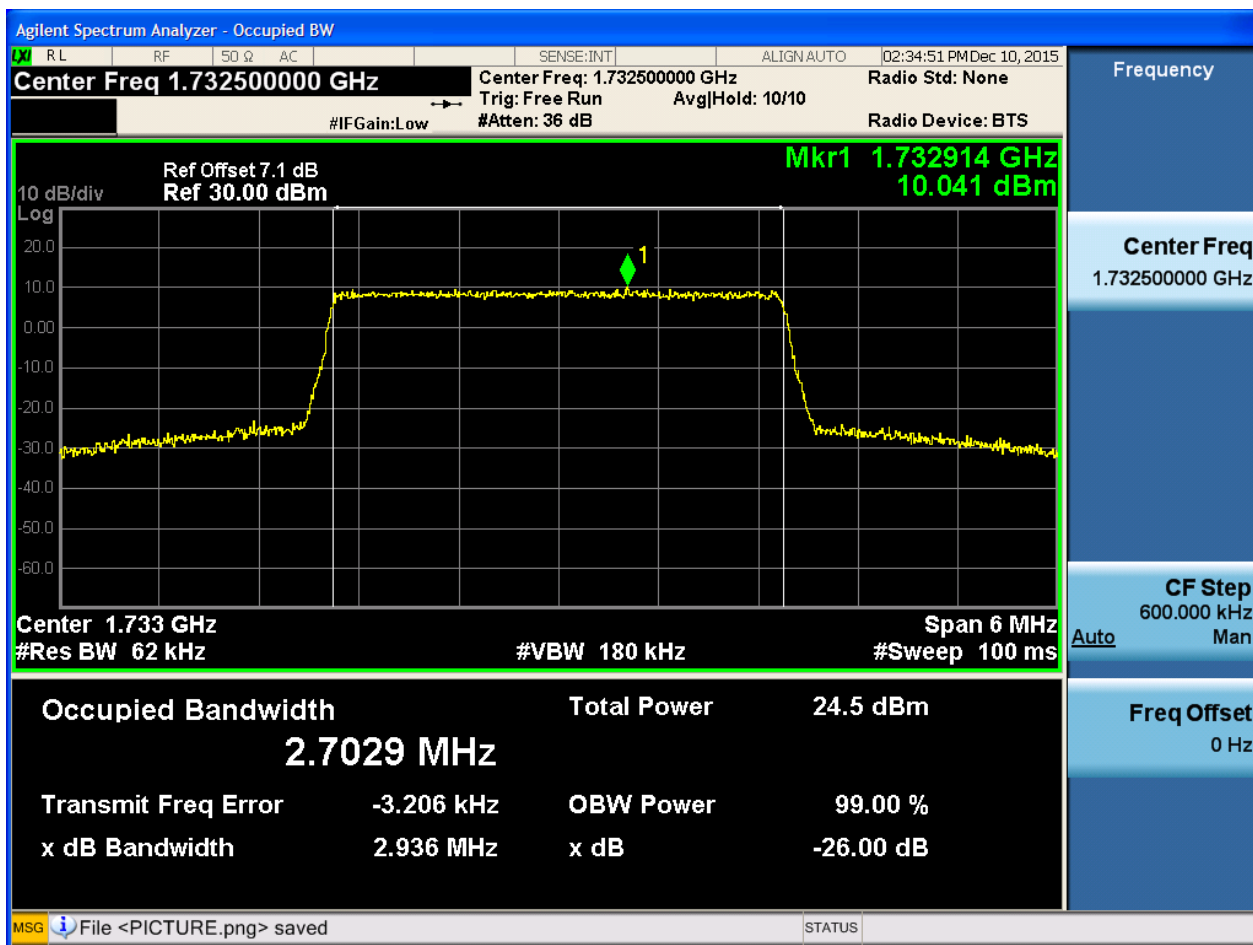
4.1.2.1.2.1.1 Test RB = RB15#0





4.1.2.1.2.2 Test Channel = MCH

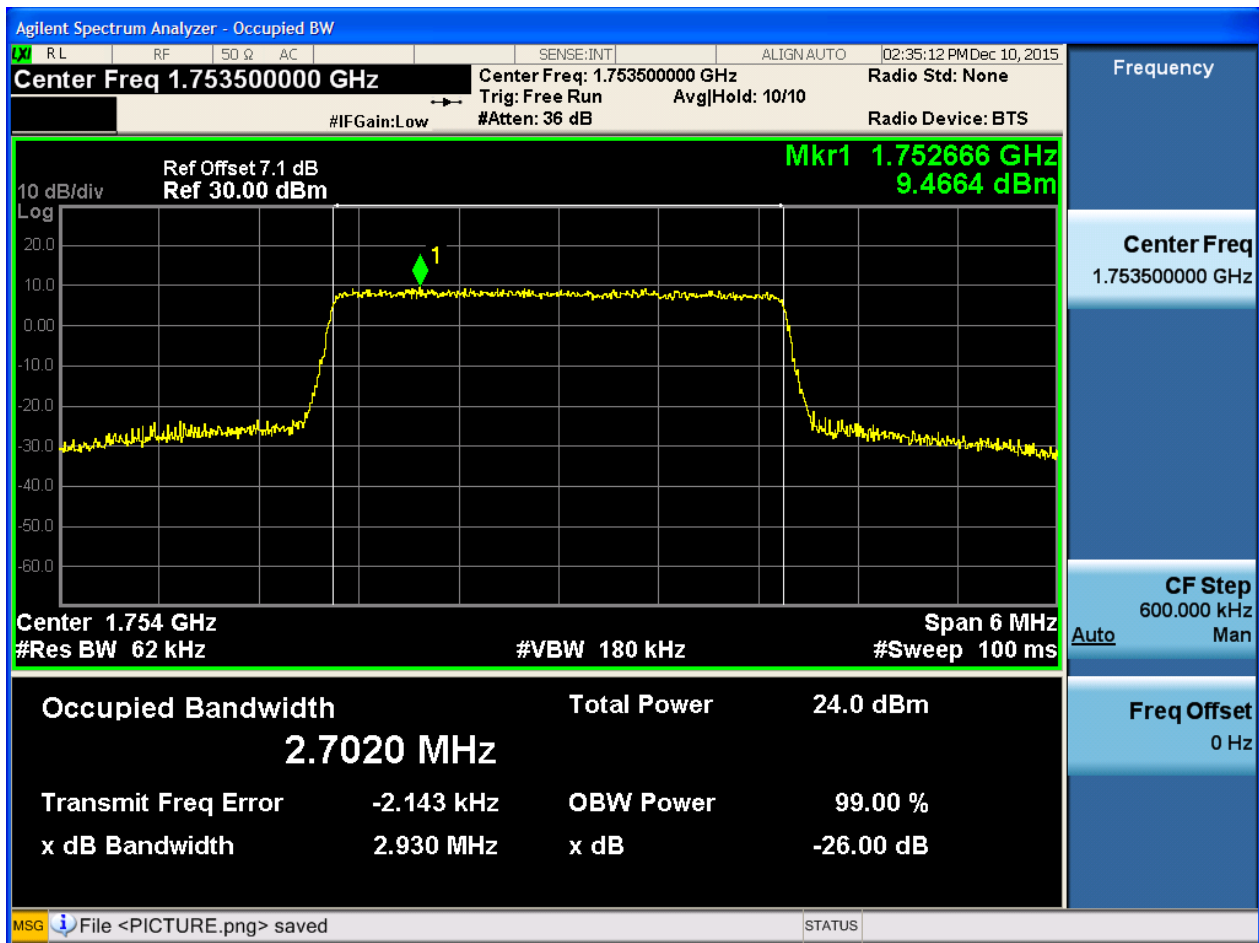
4.1.2.1.2.2.1 Test RB = RB15#0





4.1.2.1.2.3 Test Channel = HCH

4.1.2.1.2.3.1 Test RB = RB15#0

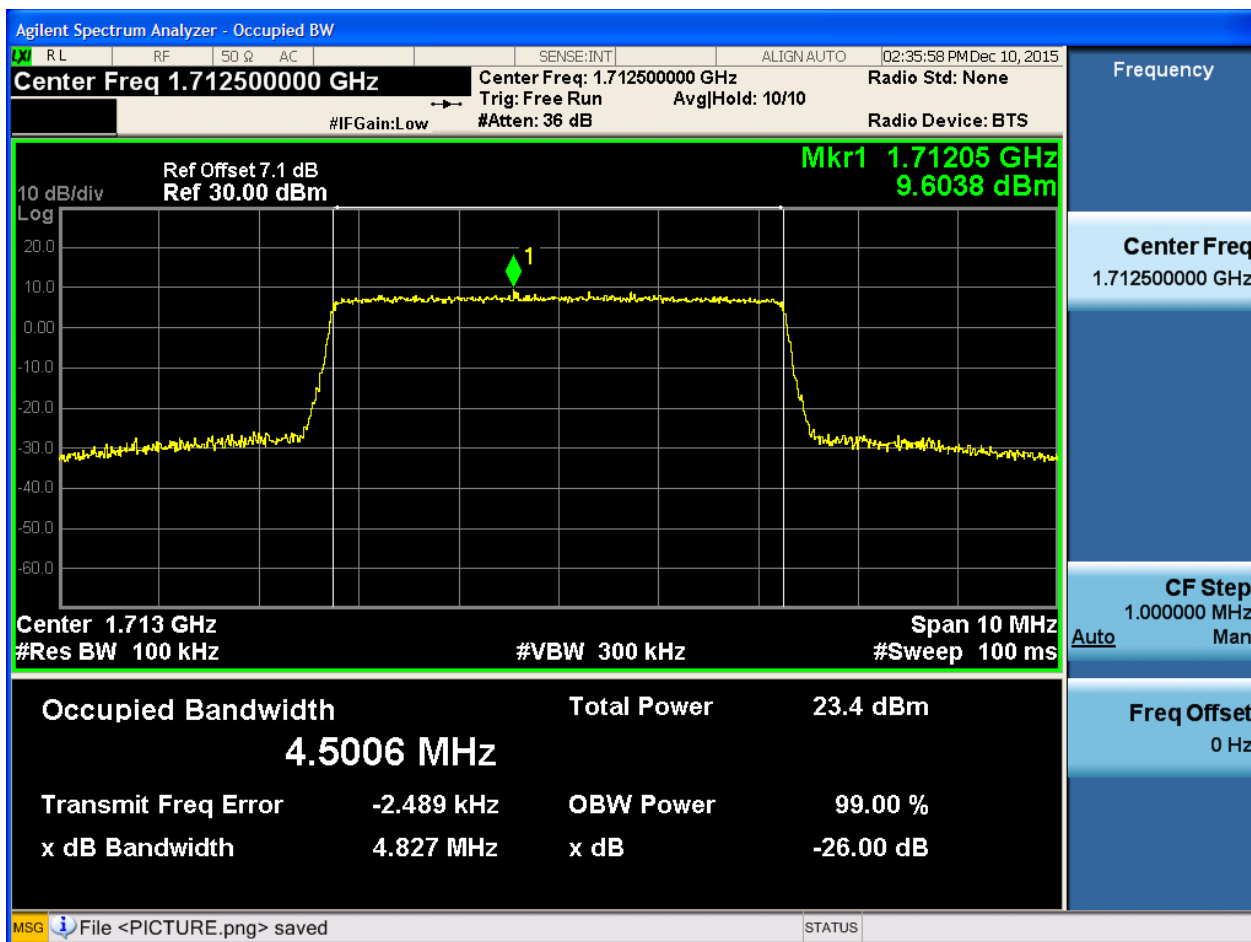




4.1.2.1.3 Test Bandwidth = 5

4.1.2.1.3.1 Test Channel = LCH

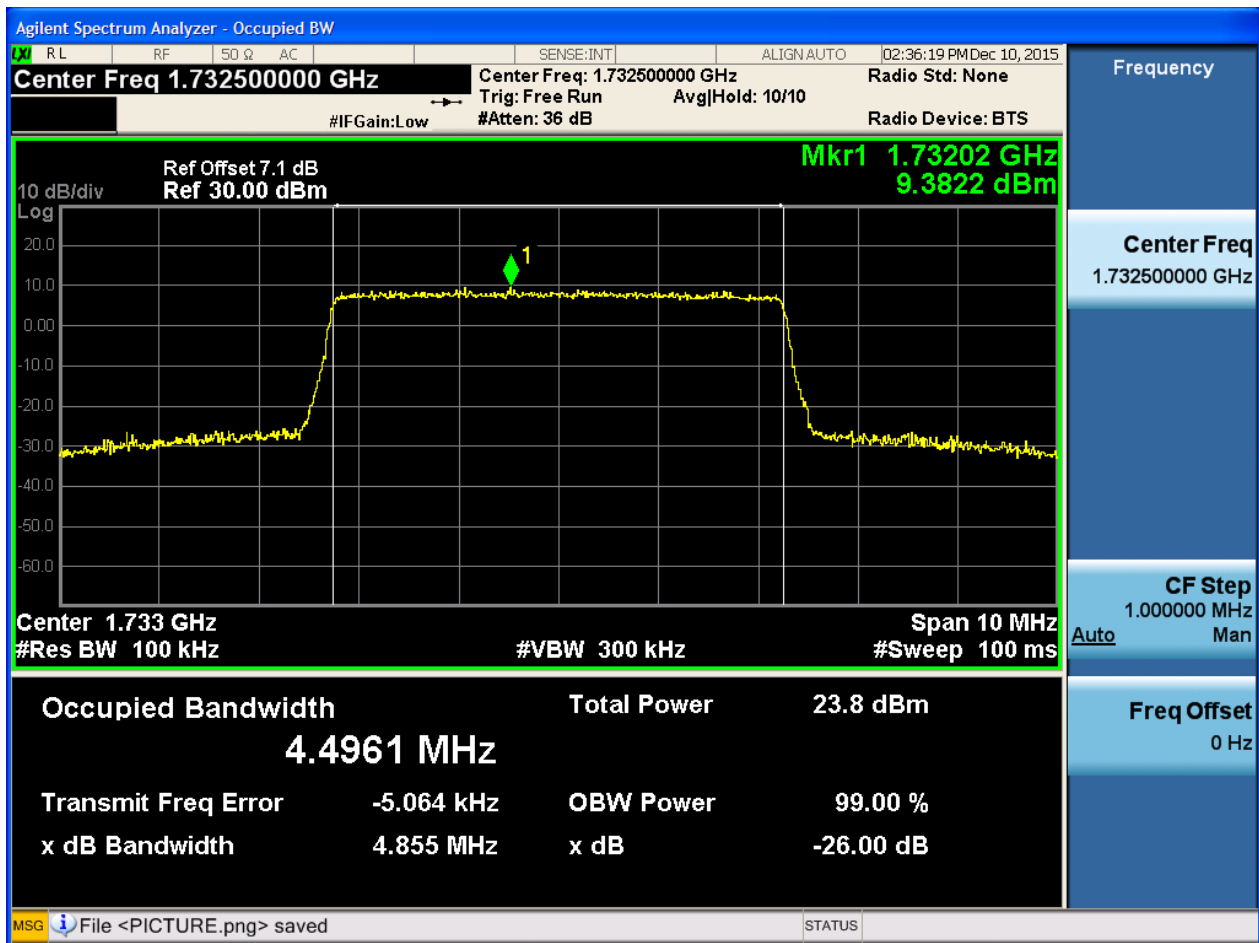
4.1.2.1.3.1.1 Test RB = RB25#0





4.1.2.1.3.2 Test Channel = MCH

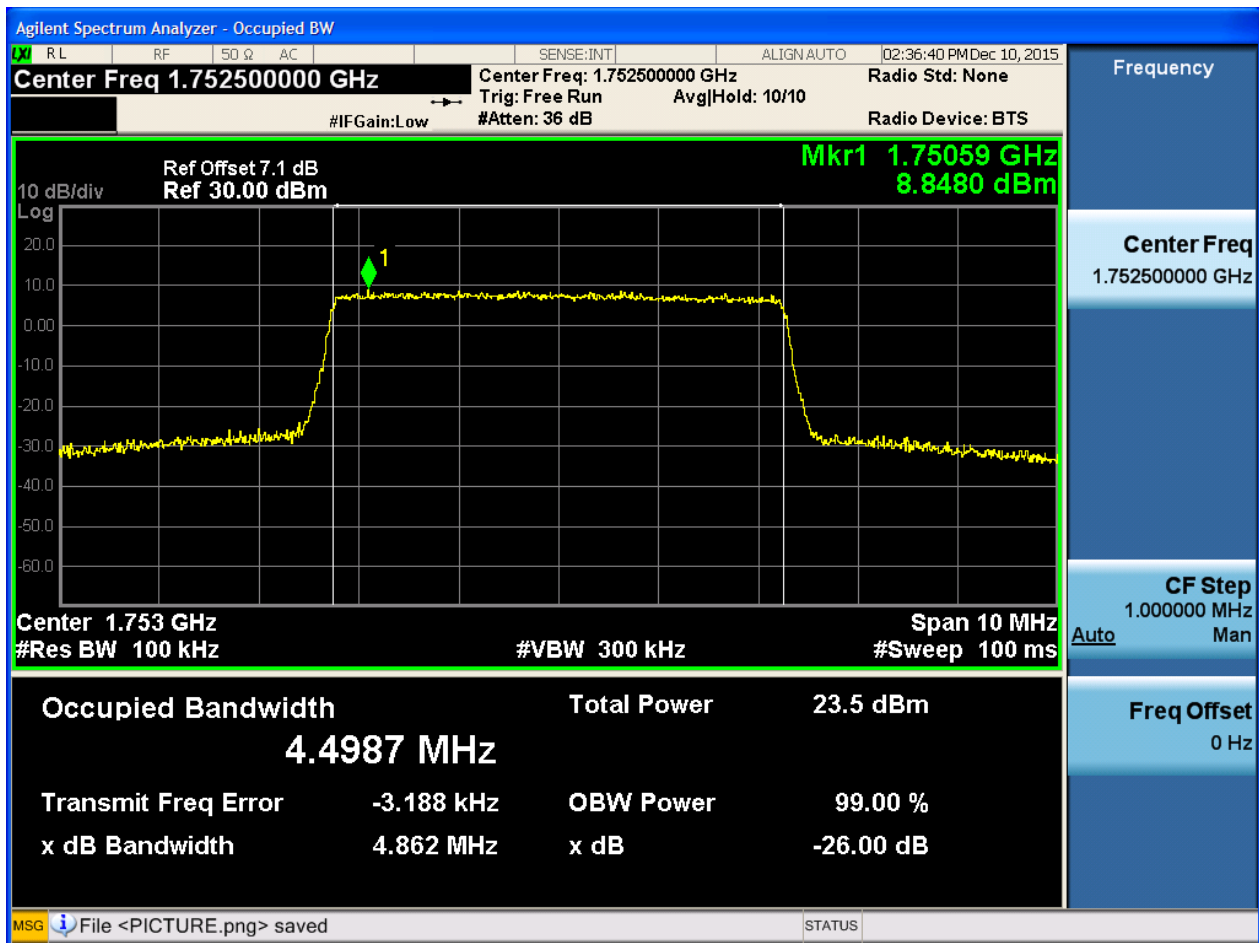
4.1.2.1.3.2.1 Test RB = RB25#0





4.1.2.1.3.3 Test Channel = HCH

4.1.2.1.3.3.1 Test RB = RB25#0

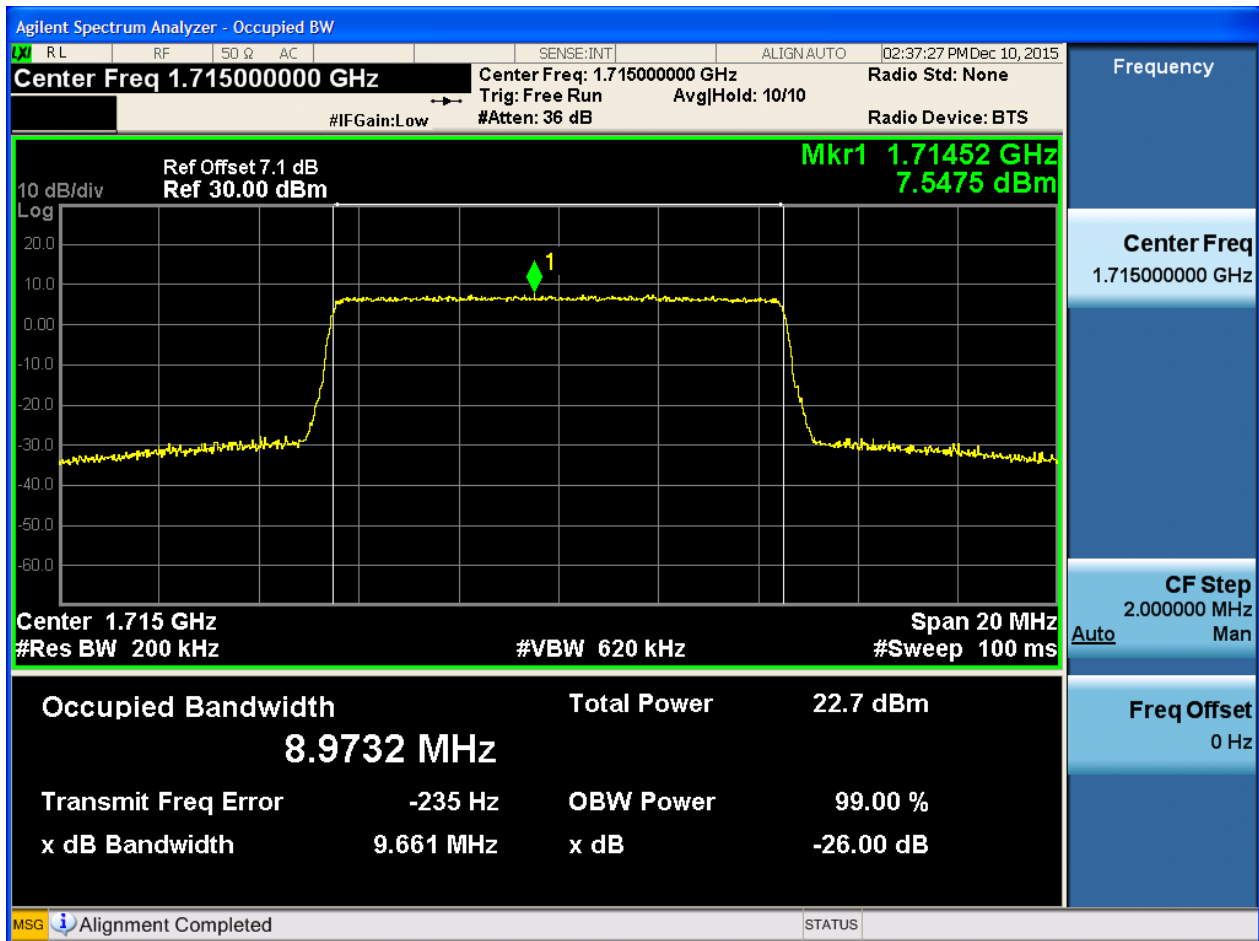




4.1.2.1.4 Test Bandwidth = 10

4.1.2.1.4.1 Test Channel = LCH

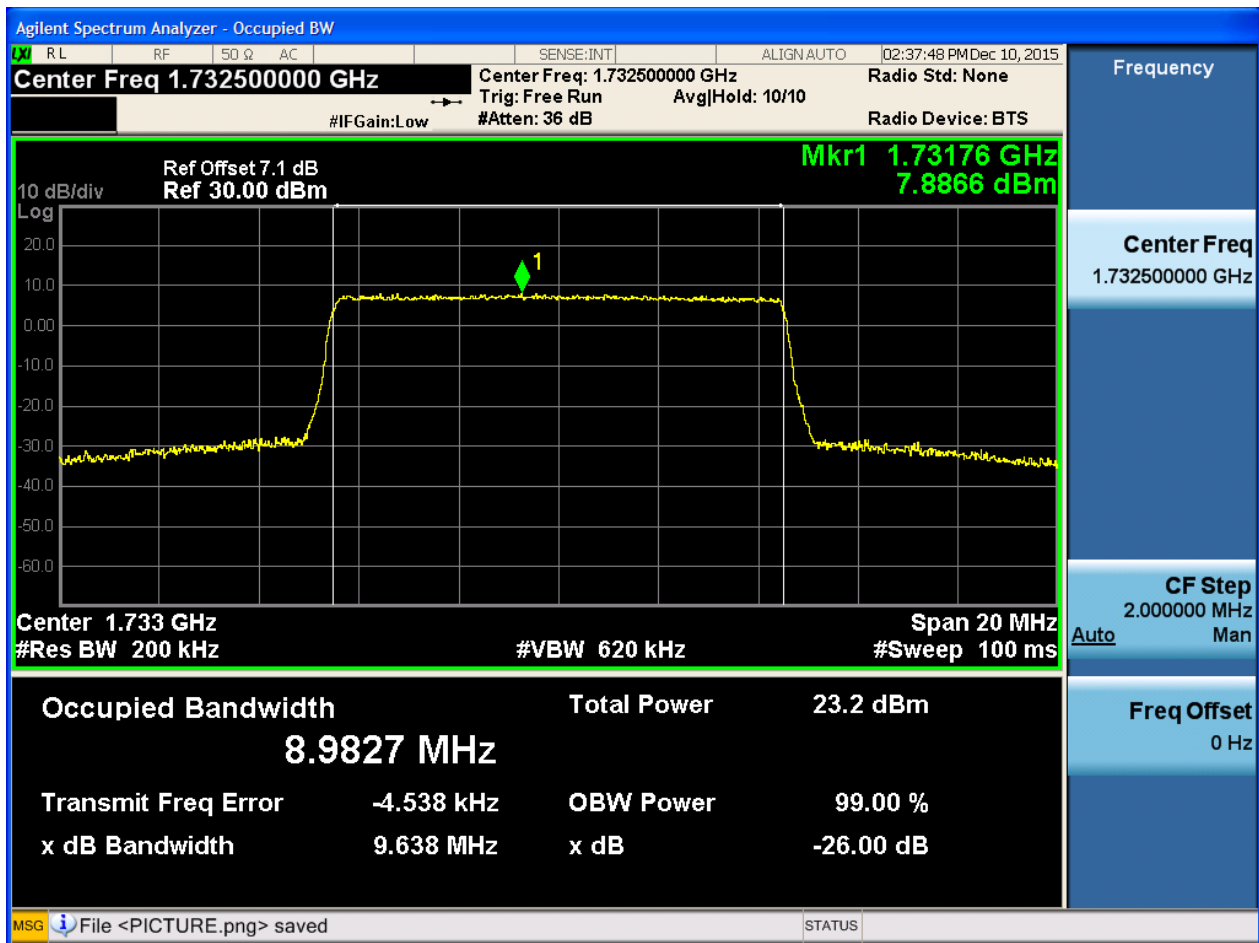
4.1.2.1.4.1.1 Test RB = RB50#0





4.1.2.1.4.2 Test Channel = MCH

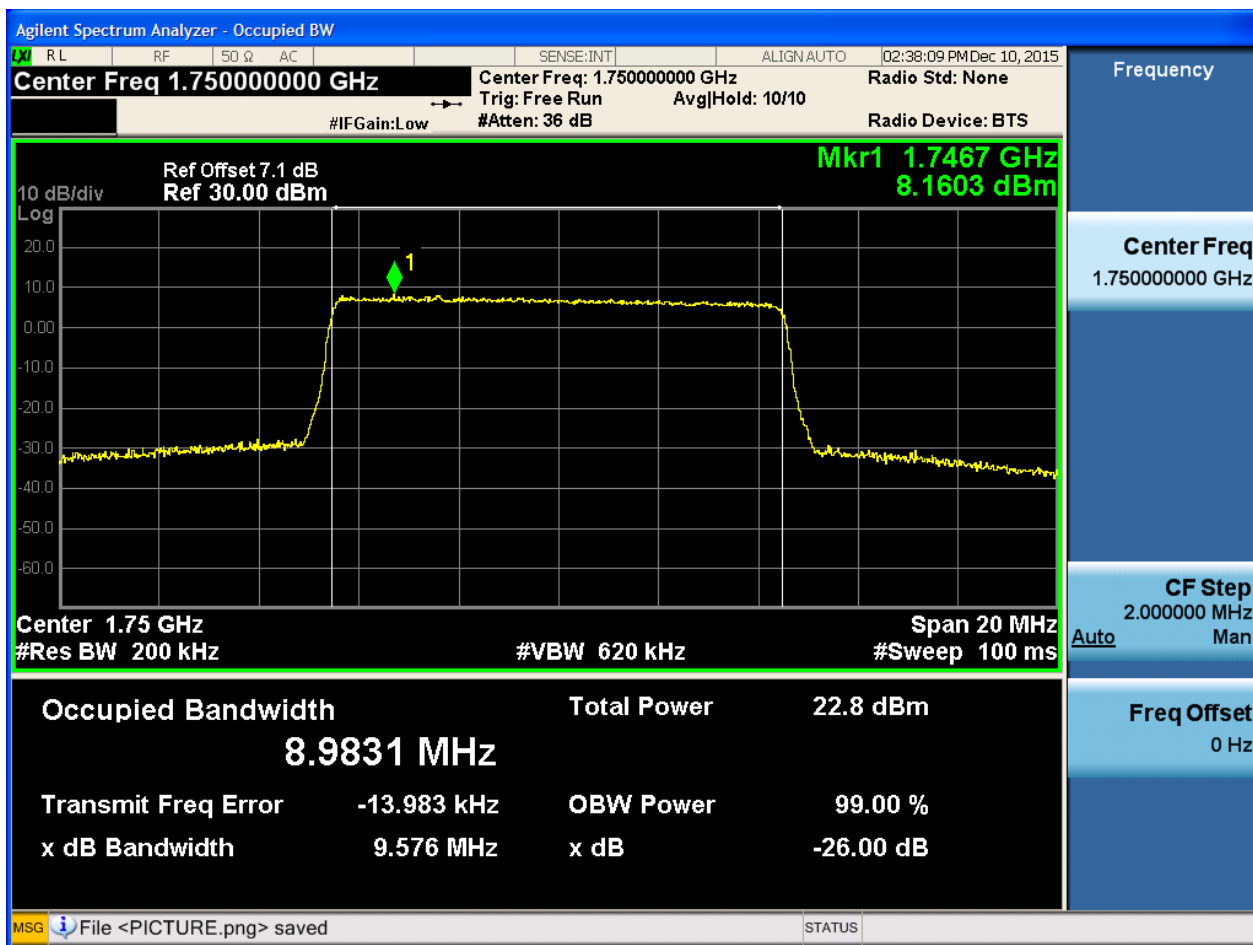
4.1.2.1.4.2.1 Test RB = RB50#0





4.1.2.1.4.3 Test Channel = HCH

4.1.2.1.4.3.1 Test RB = RB50#0

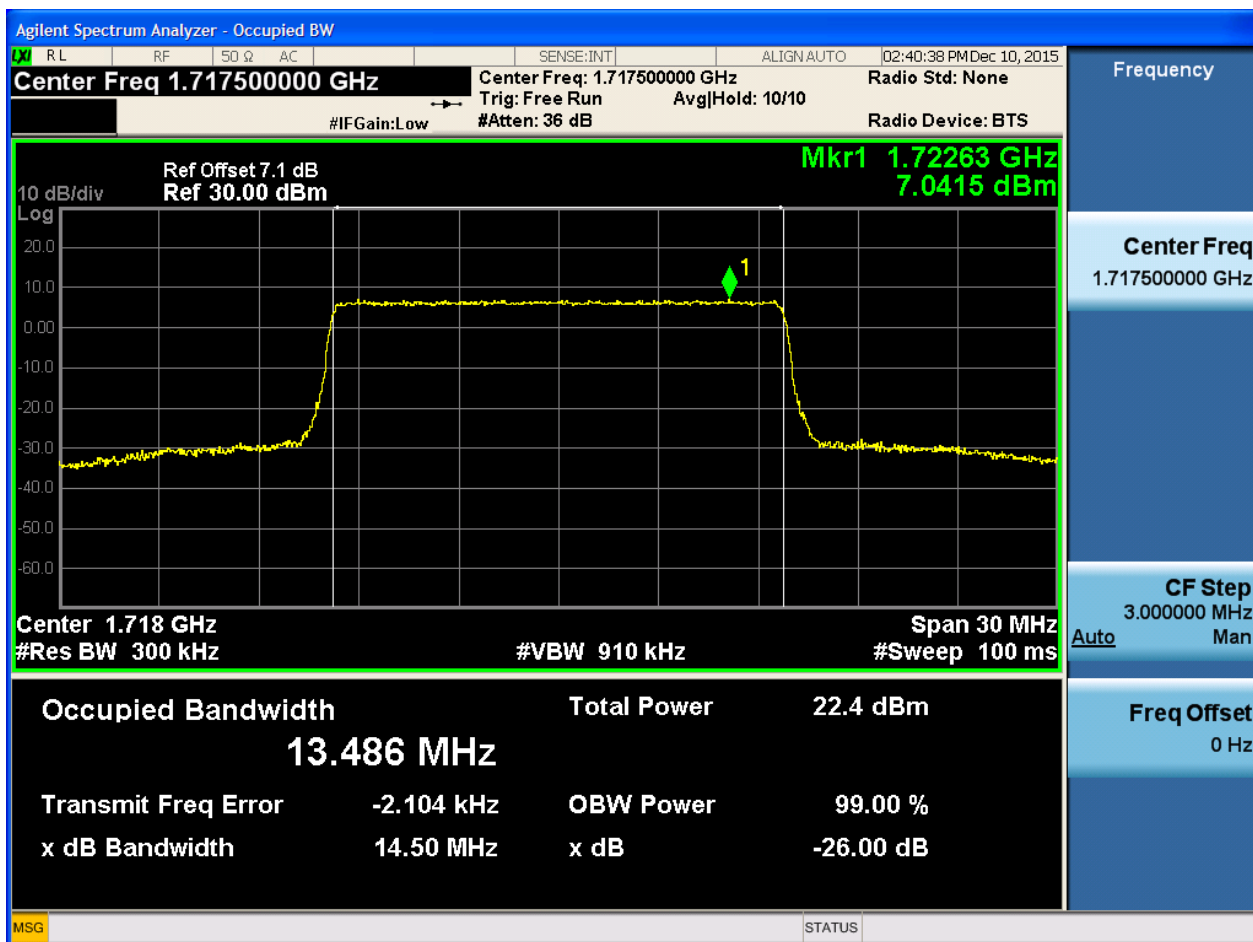




4.1.2.1.5 Test Bandwidth = 15

4.1.2.1.5.1 Test Channel = LCH

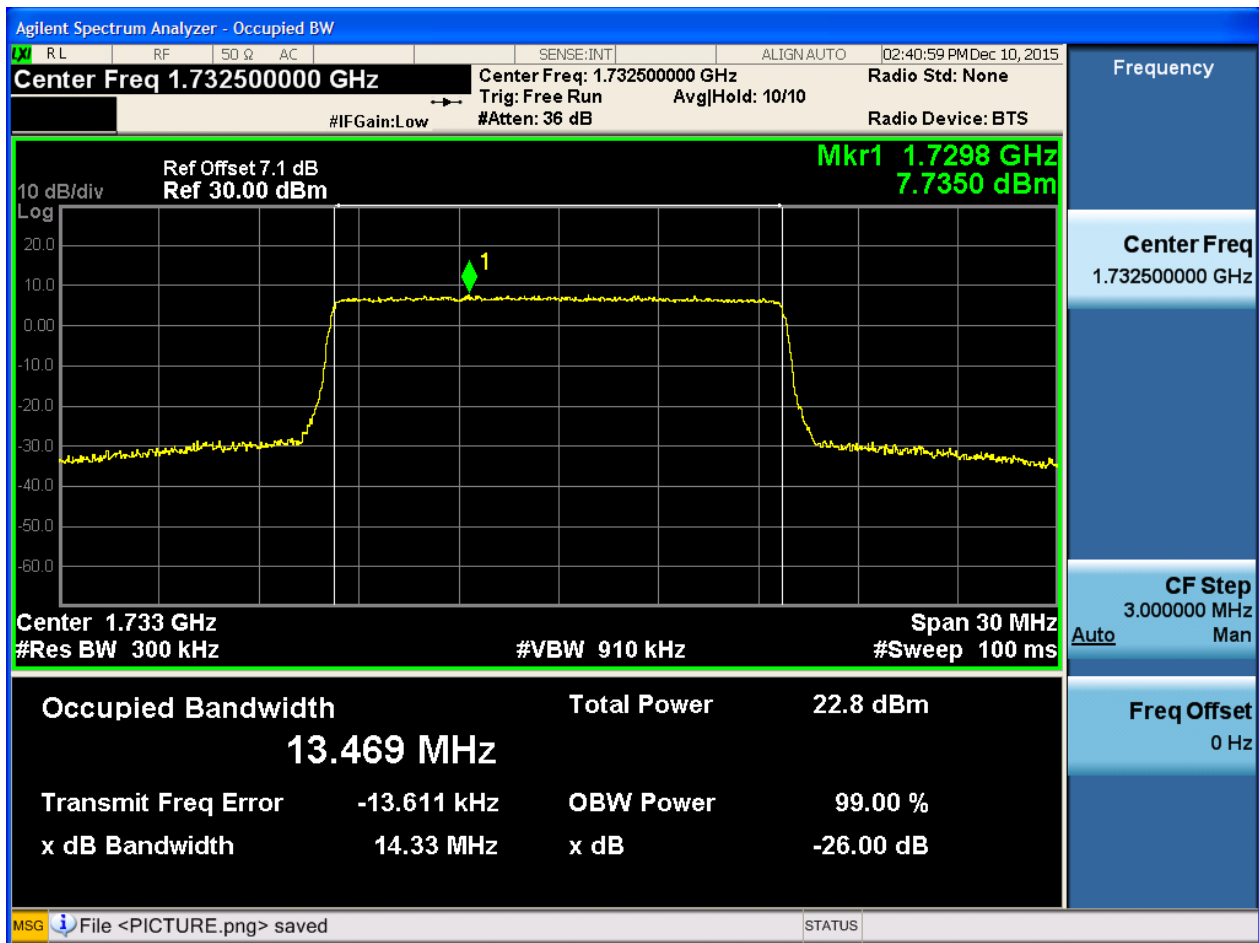
4.1.2.1.5.1.1 Test RB = RB75#0





4.1.2.1.5.2 Test Channel = MCH

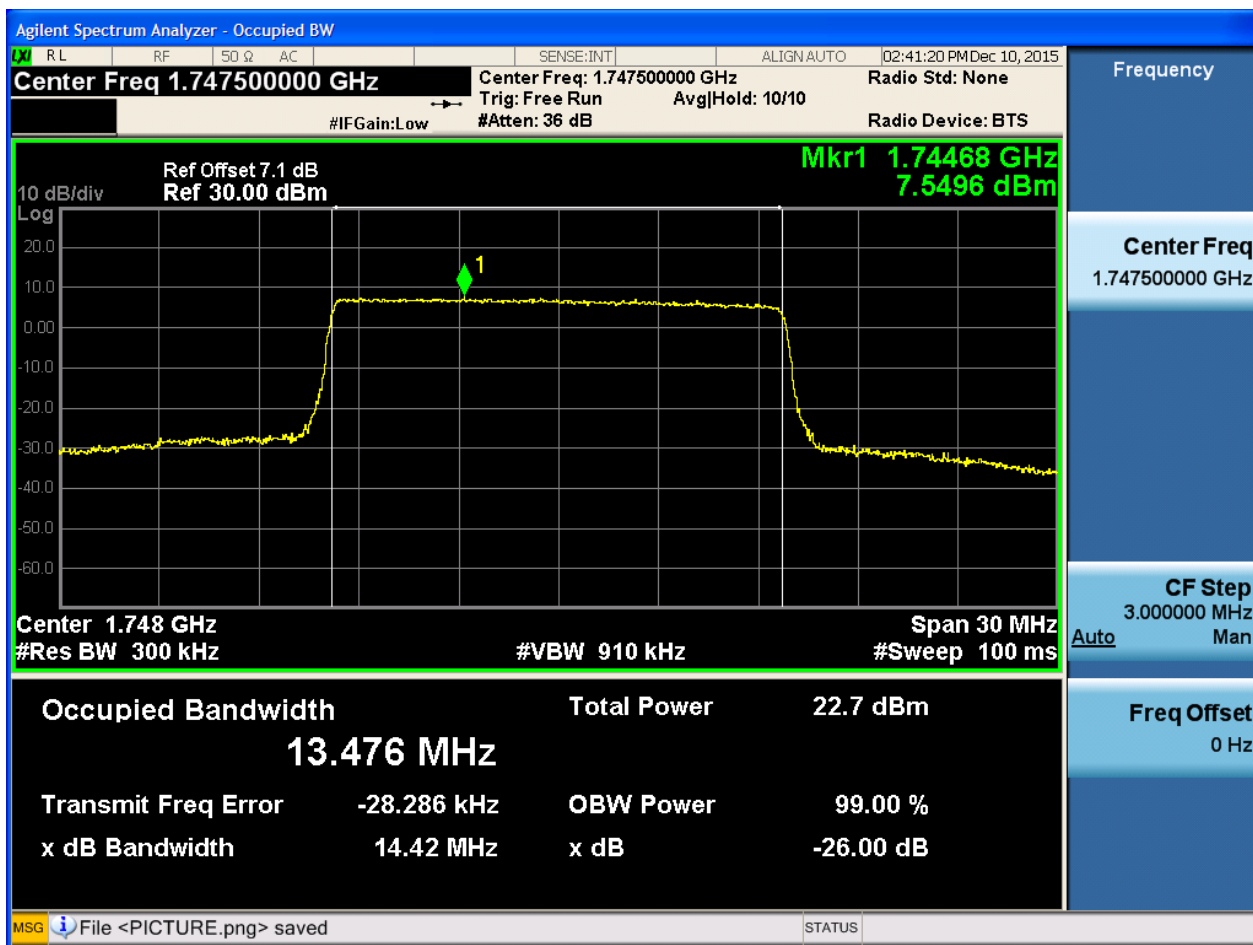
4.1.2.1.5.2.1 Test RB = RB75#0





4.1.2.1.5.3 Test Channel = HCH

4.1.2.1.5.3.1 Test RB = RB75#0

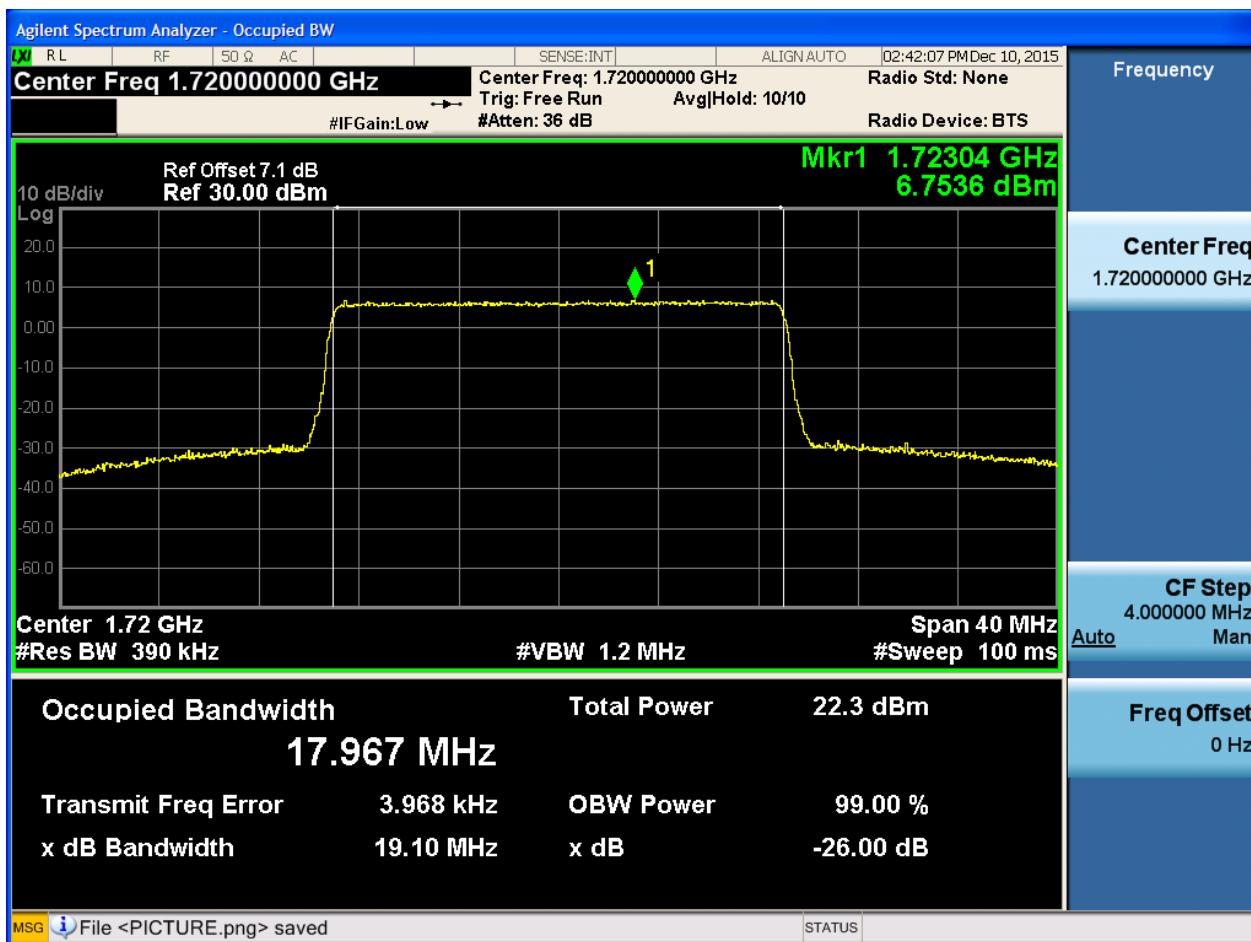




4.1.2.1.6 Test Bandwidth = 20

4.1.2.1.6.1 Test Channel = LCH

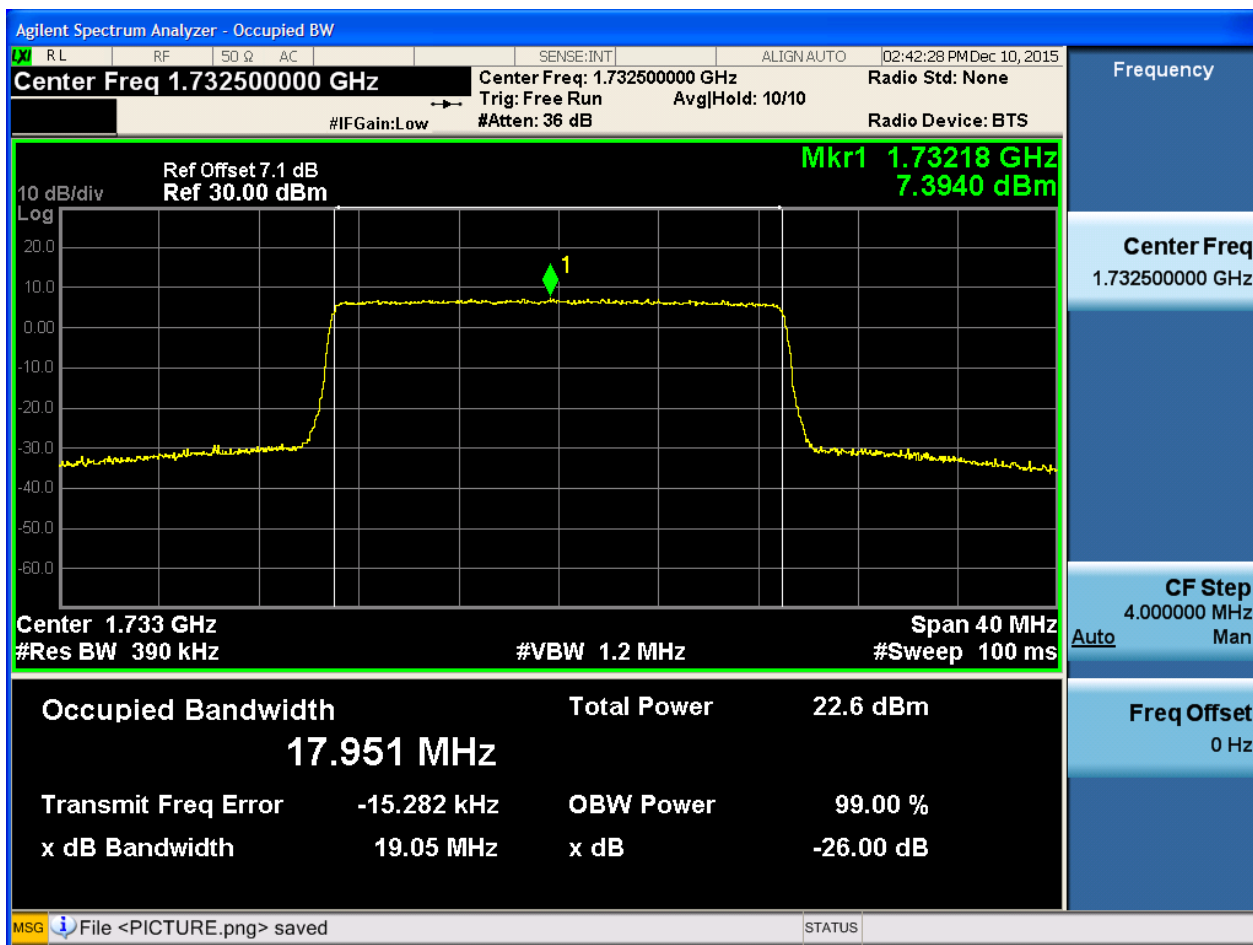
4.1.2.1.6.1.1 Test RB = RB100#0





4.1.2.1.6.2 Test Channel = MCH

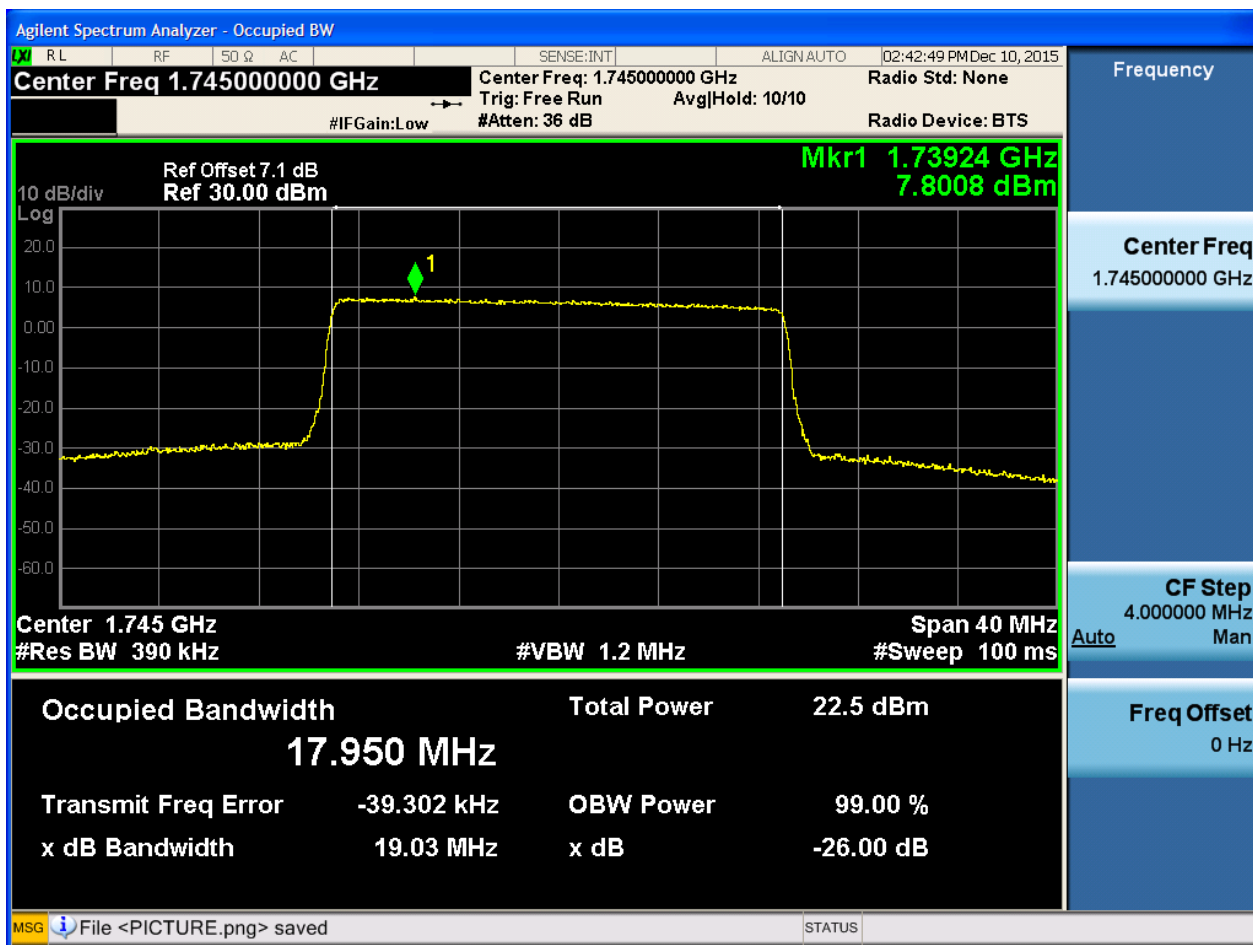
4.1.2.1.6.2.1 Test RB = RB100#0





4.1.2.1.6.3 Test Channel = HCH

4.1.2.1.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

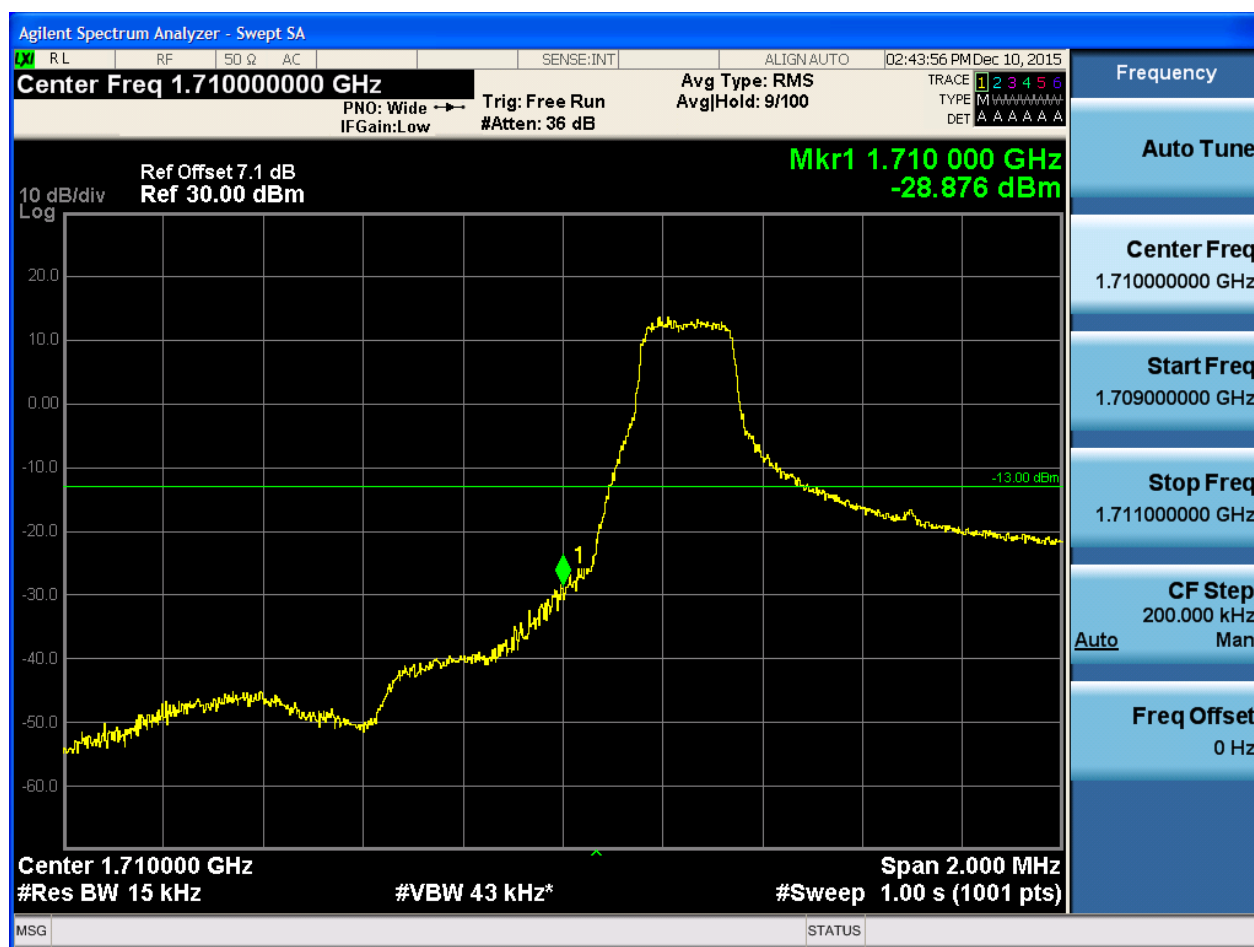
5.1.1 Test Band = BAND4

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



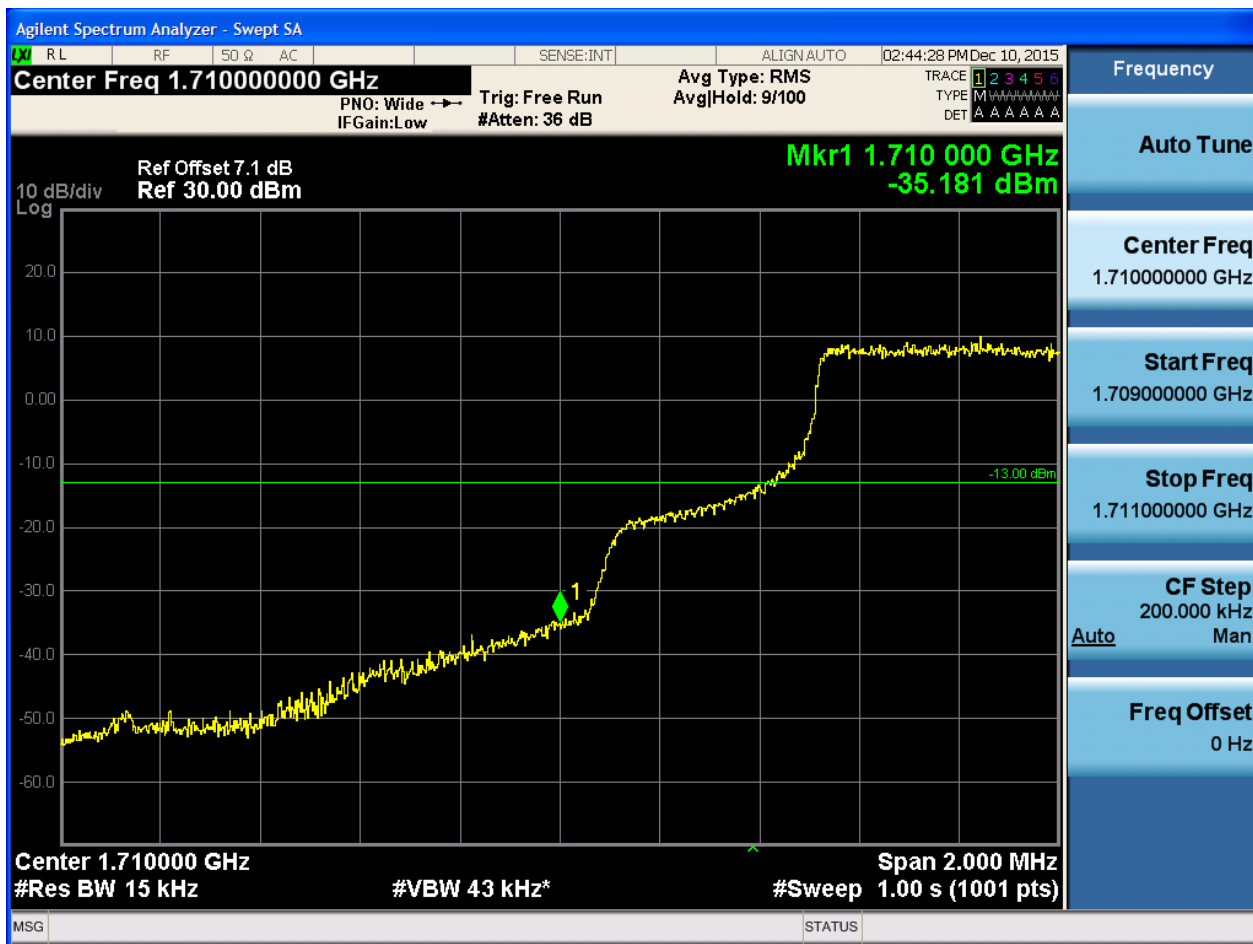


5.1.1.1.1.2 Test RB = RB1#5



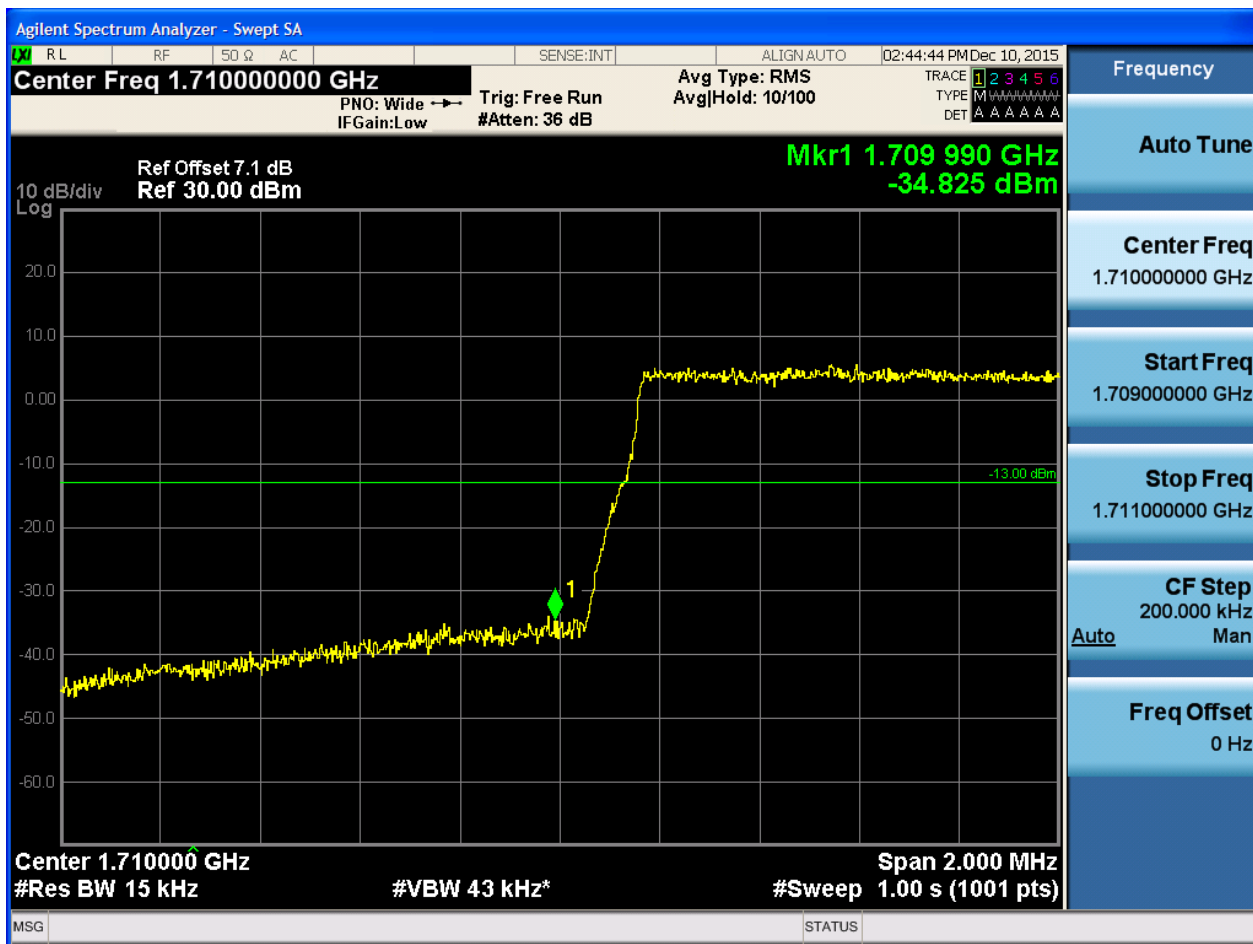


5.1.1.1.1.3 Test RB = RB3#2





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





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 000 GHz
-28.763 dBm

Center 1.755000 GHz
#Res BW 15 kHz
#VBW 43 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

The image shows a screenshot of an Agilent Spectrum Analyzer. The main display is a plot of the spectrum, showing a peak at 1.755 GHz. The y-axis is labeled '10 dB/div Log' and ranges from -60.0 to 20.0 dBm. The x-axis is labeled 'Center 1.755000 GHz' and ranges from 1.754000000 GHz to 1.756000000 GHz. A green horizontal line is drawn at -13.00 dBm. A green diamond marker labeled '1' is placed on the falling edge of the peak. The peak is labeled 'Mkr1 1.755 000 GHz -28.763 dBm'. The plot shows a noisy signal with a clear peak. The background is black with a white grid. The top of the screen shows various settings and status information. The bottom of the screen shows a message area and status indicators.

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



5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

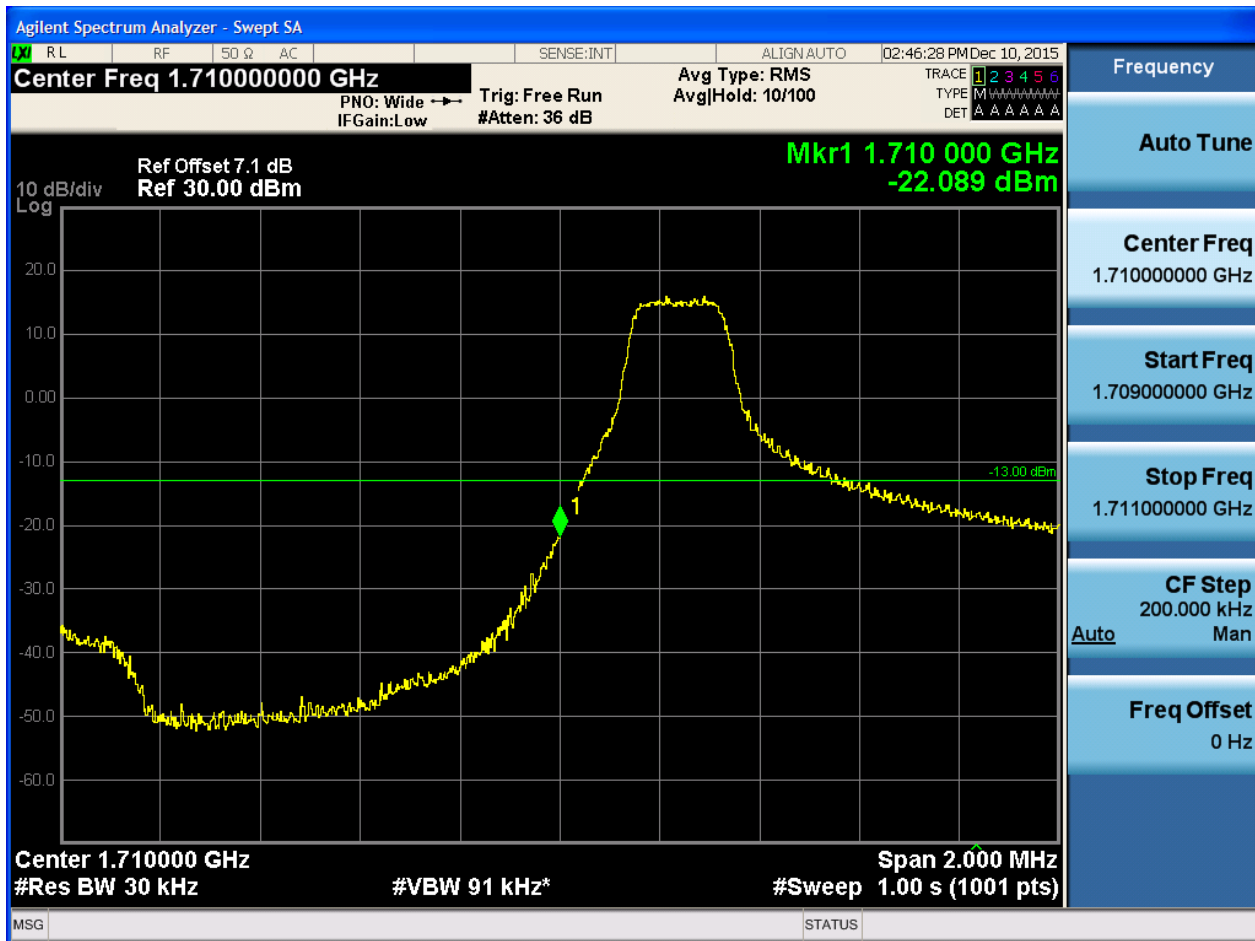




5.1.1.1.2 Test Bandwidth = 3

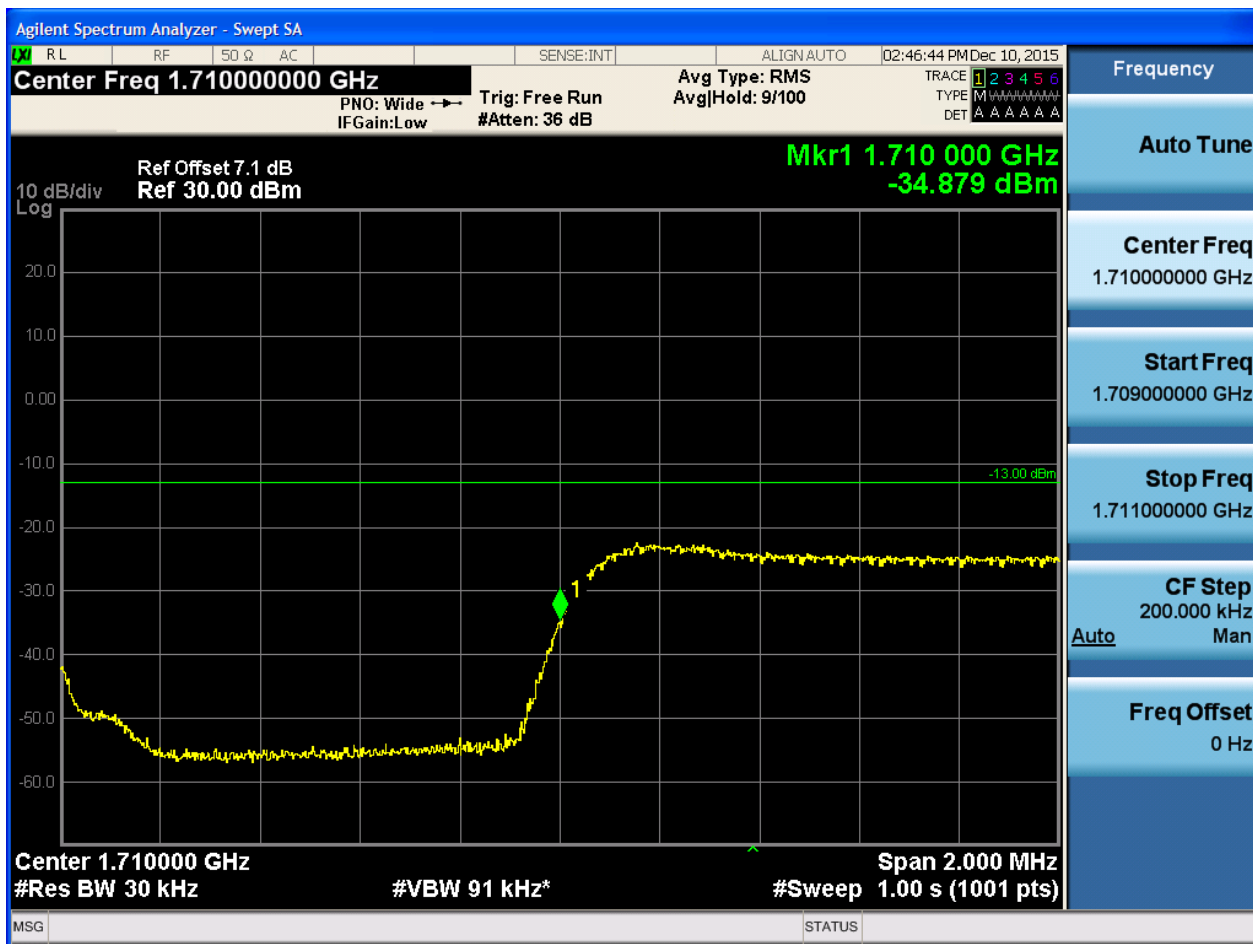
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



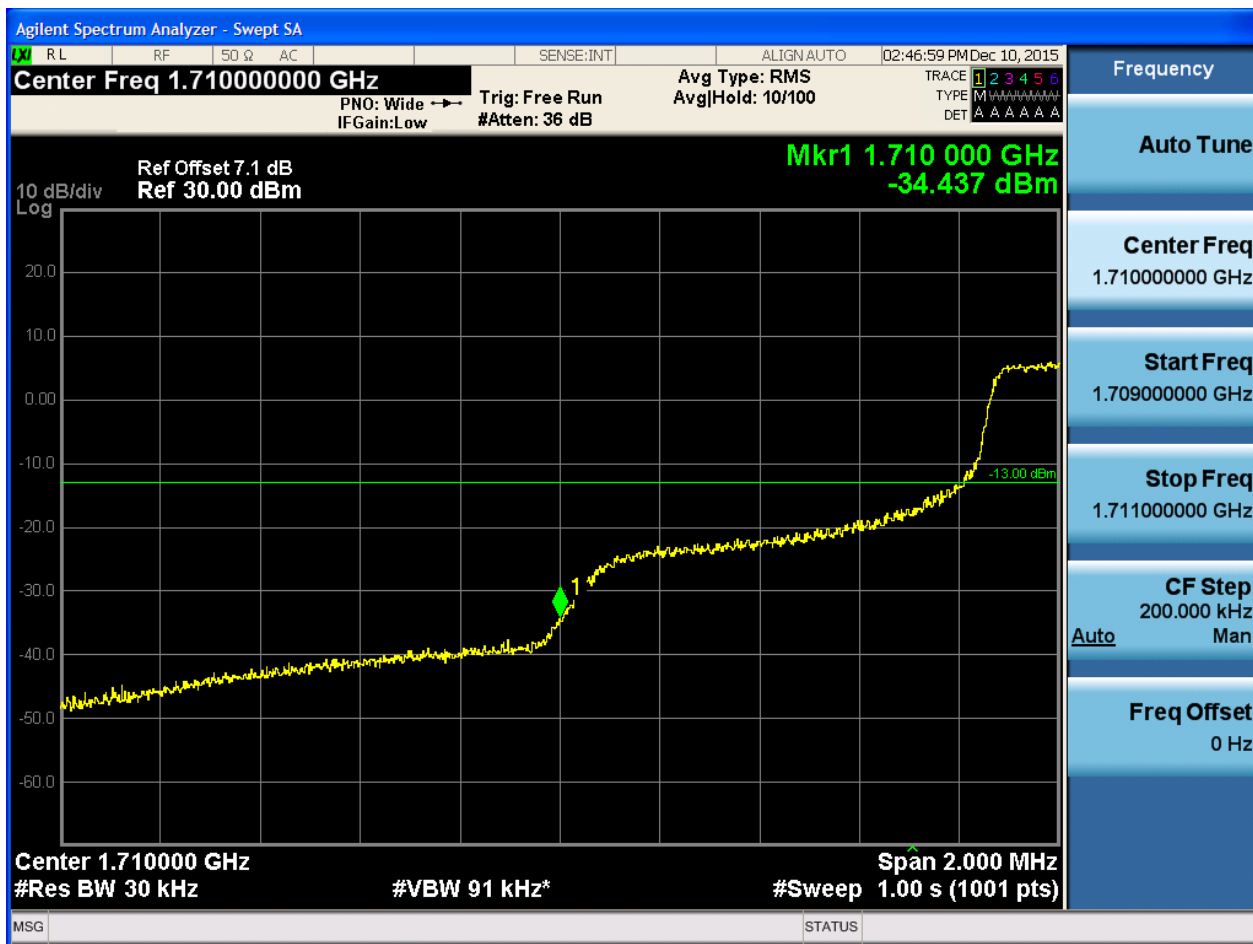


5.1.1.1.2.1.2 Test RB = RB1#14



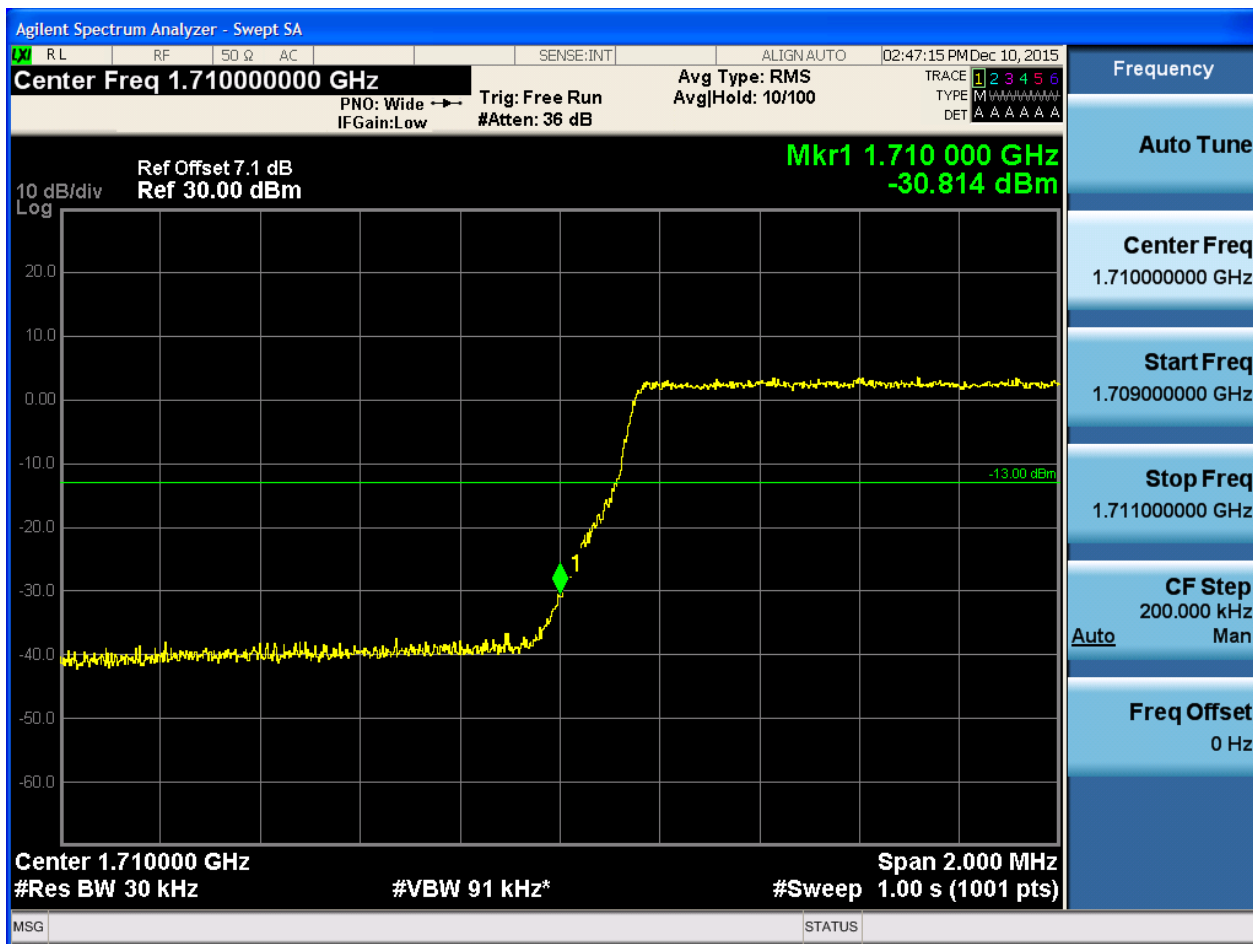


5.1.1.1.2.1.3 Test RB = RB8#4





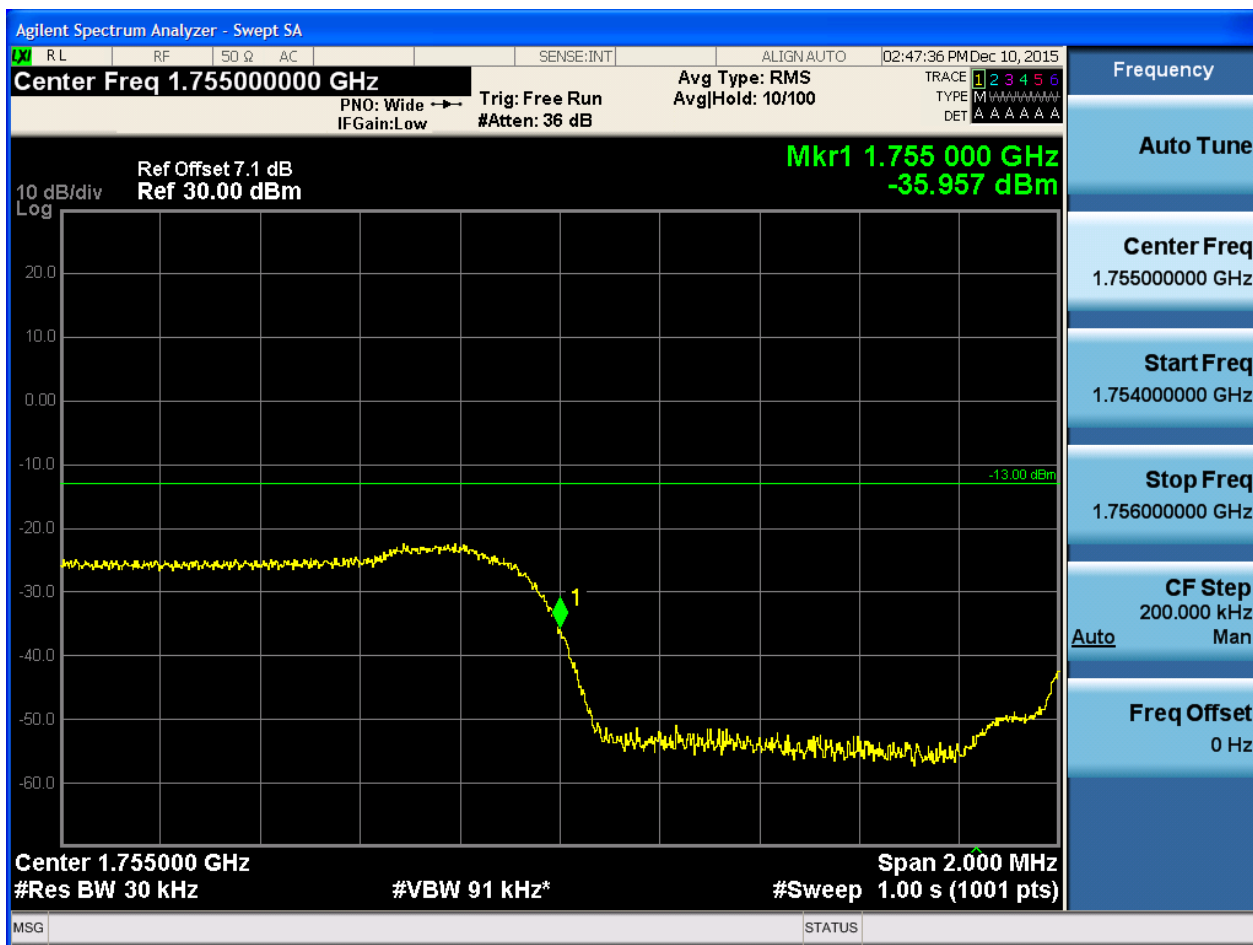
5.1.1.1.2.1.4 Test RB = RB15#0





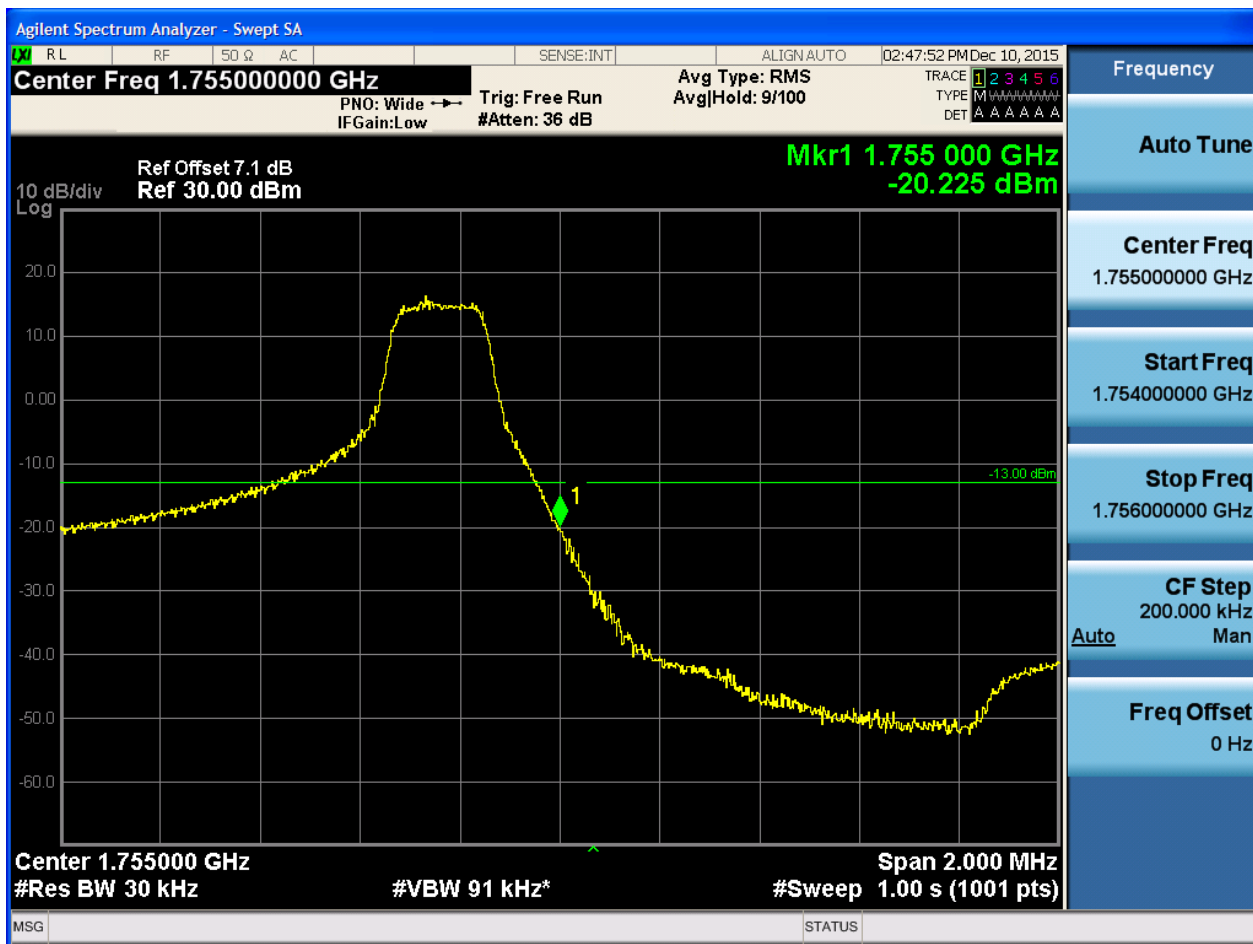
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14



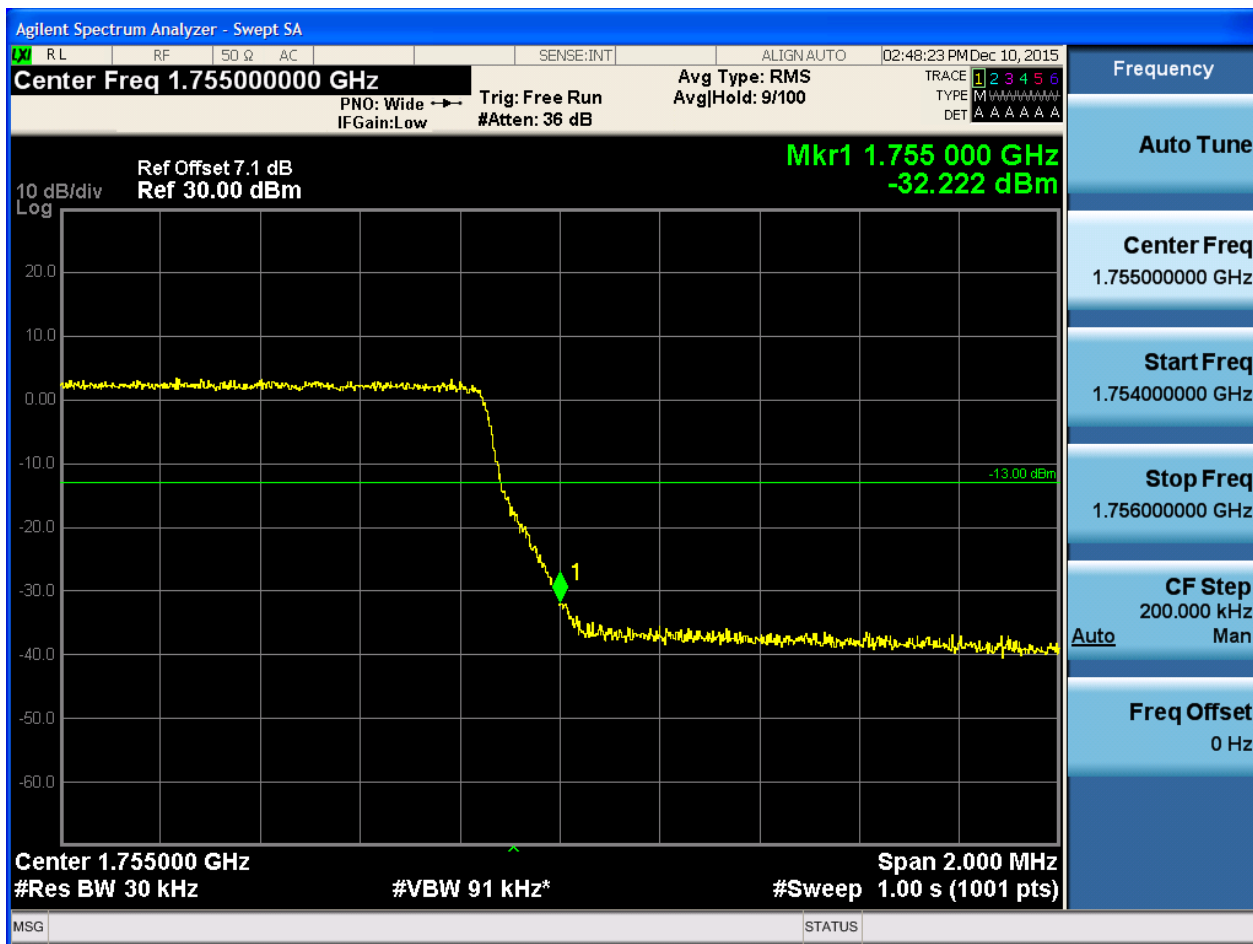


5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

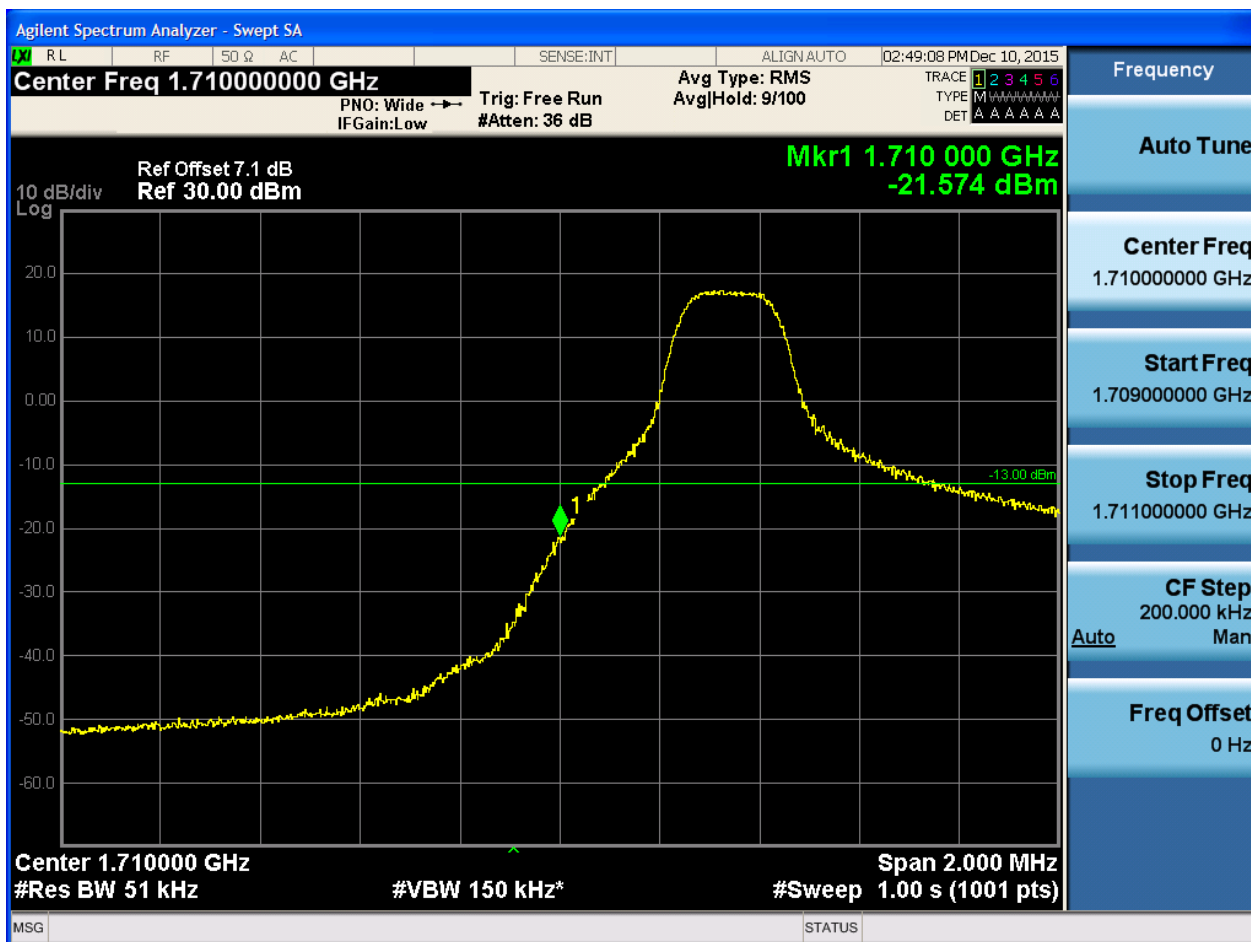




5.1.1.1.3 Test Bandwidth = 5

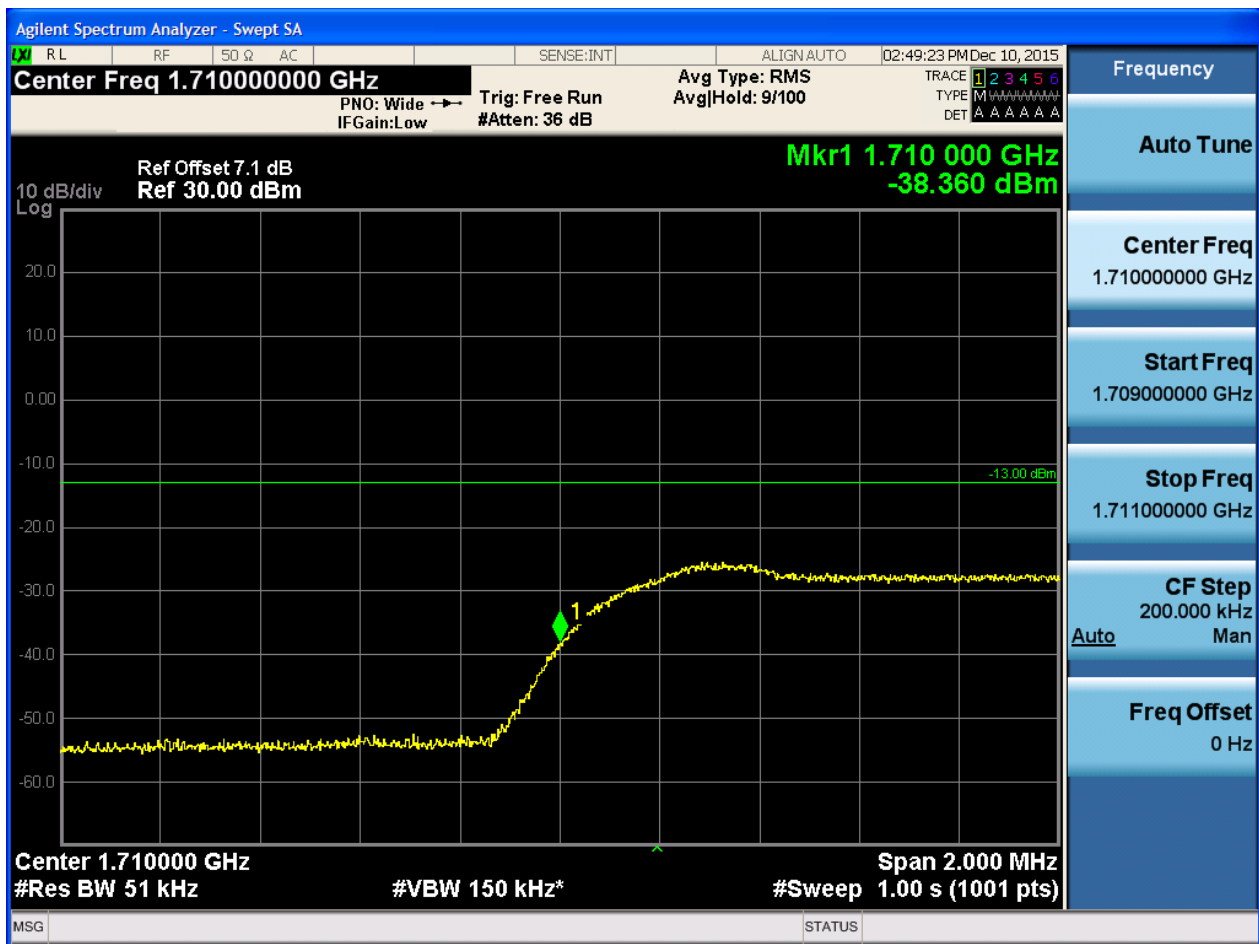
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



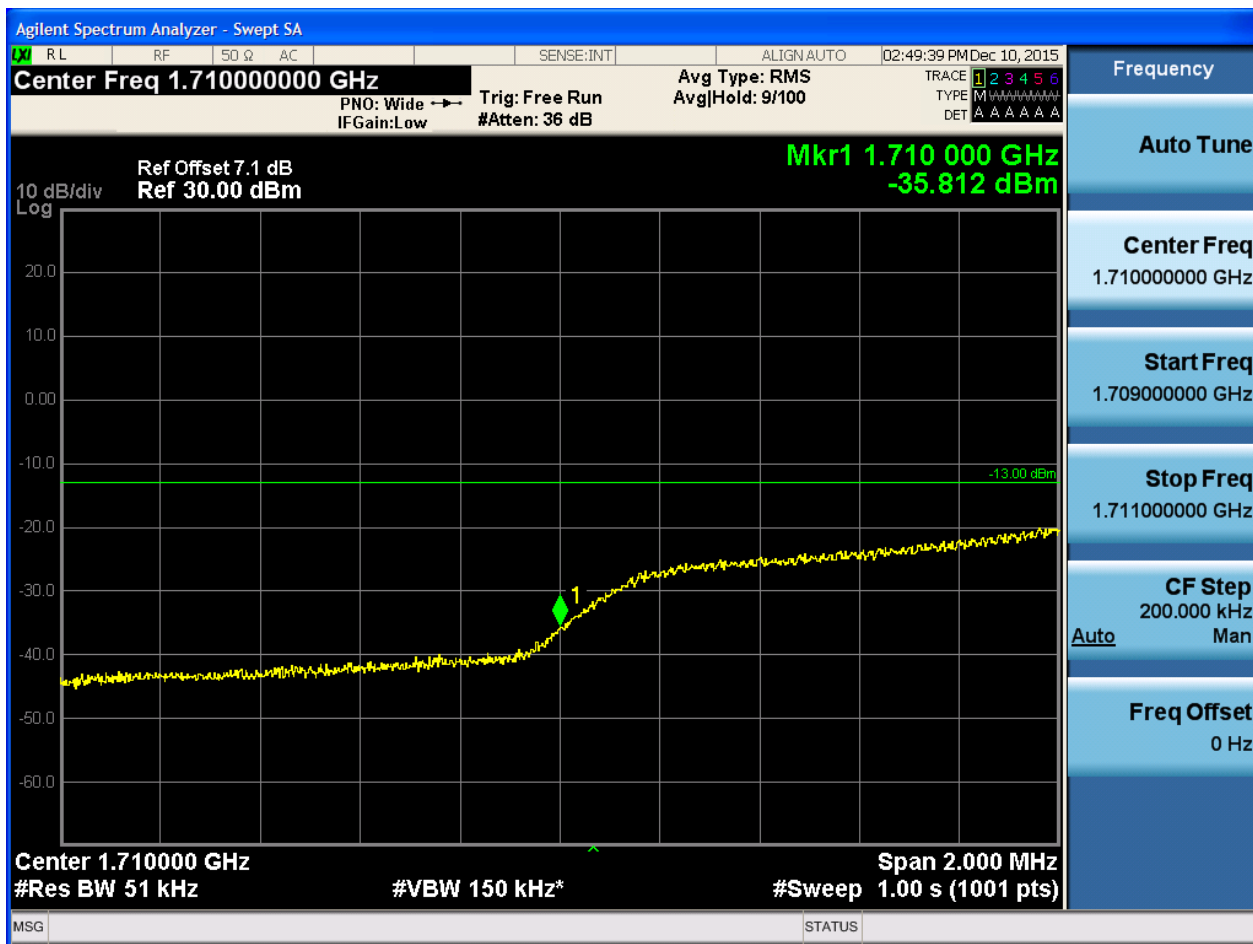


5.1.1.1.3.1.2 Test RB = RB1#24



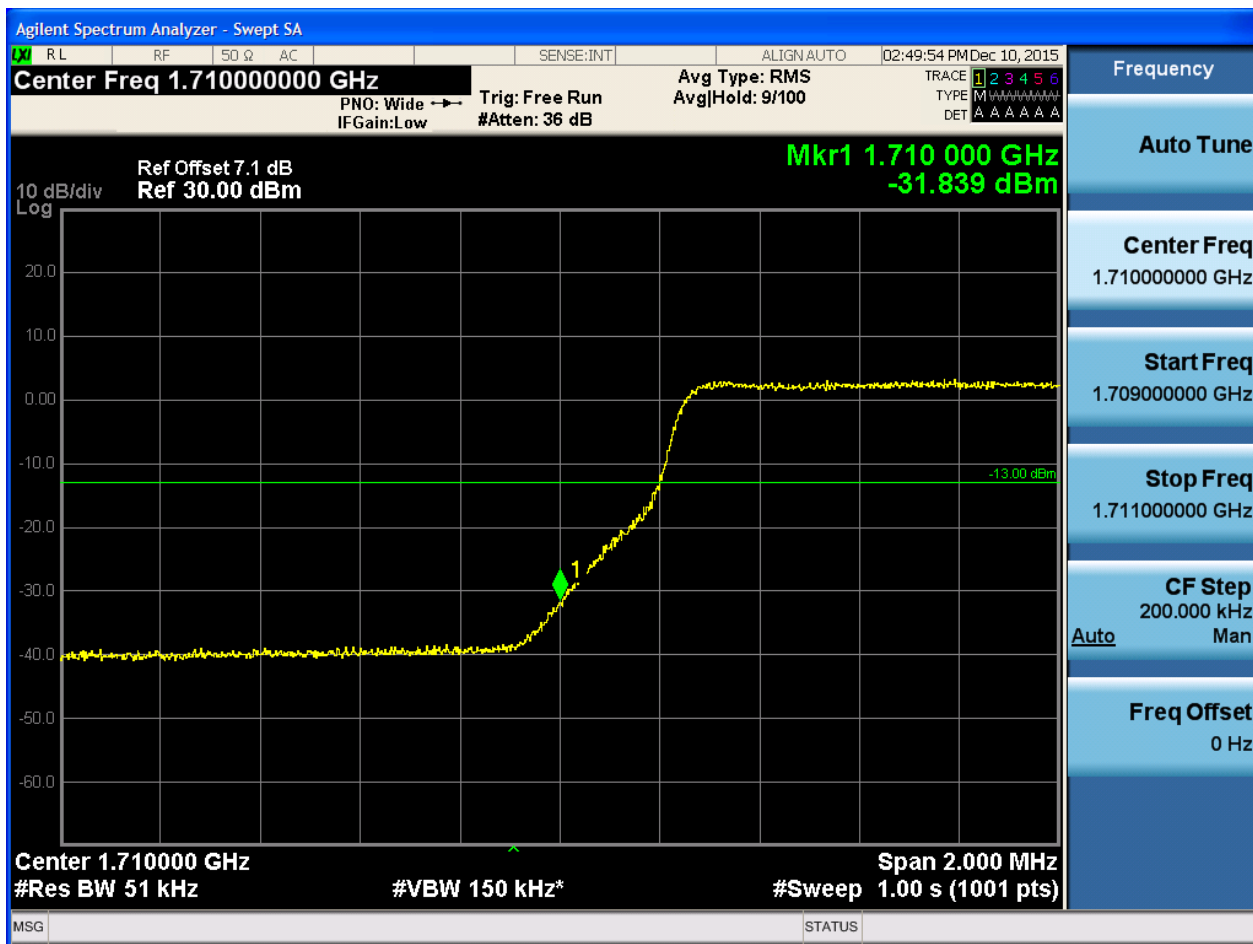


5.1.1.1.3.1.3 Test RB = RB12#6





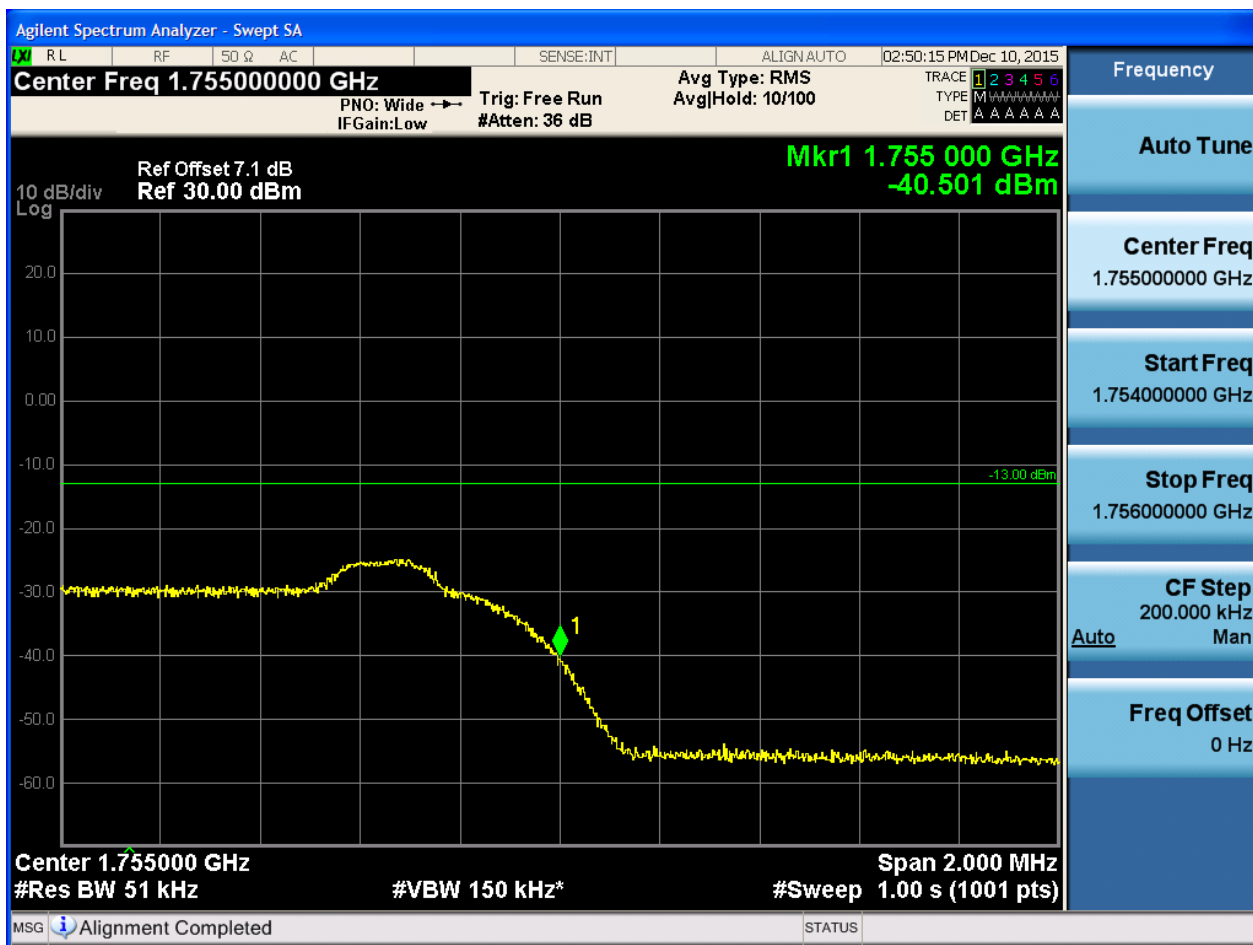
5.1.1.1.3.1.4 Test RB = RB25#0





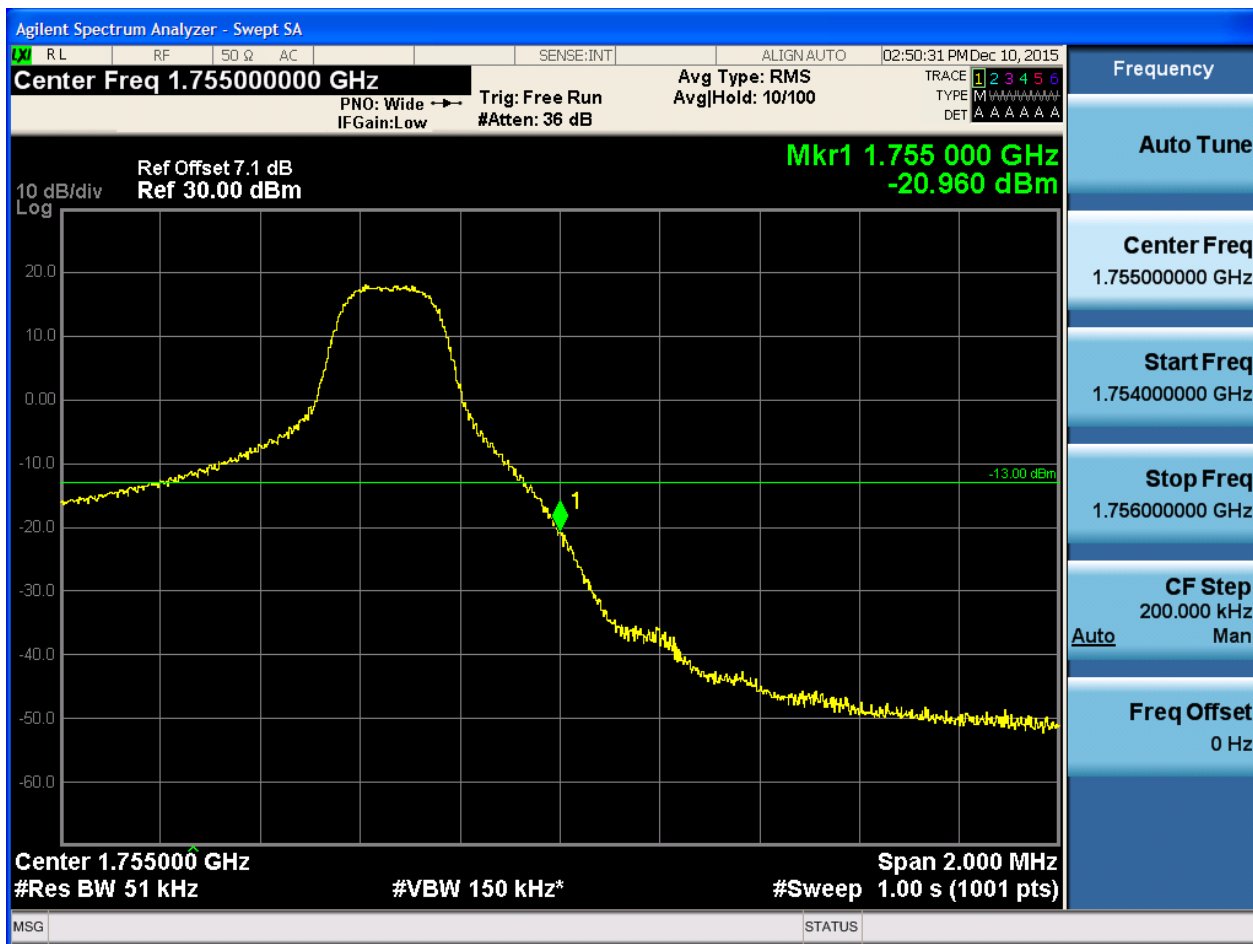
5.1.1.1.3.2 Test Channel = HCH

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

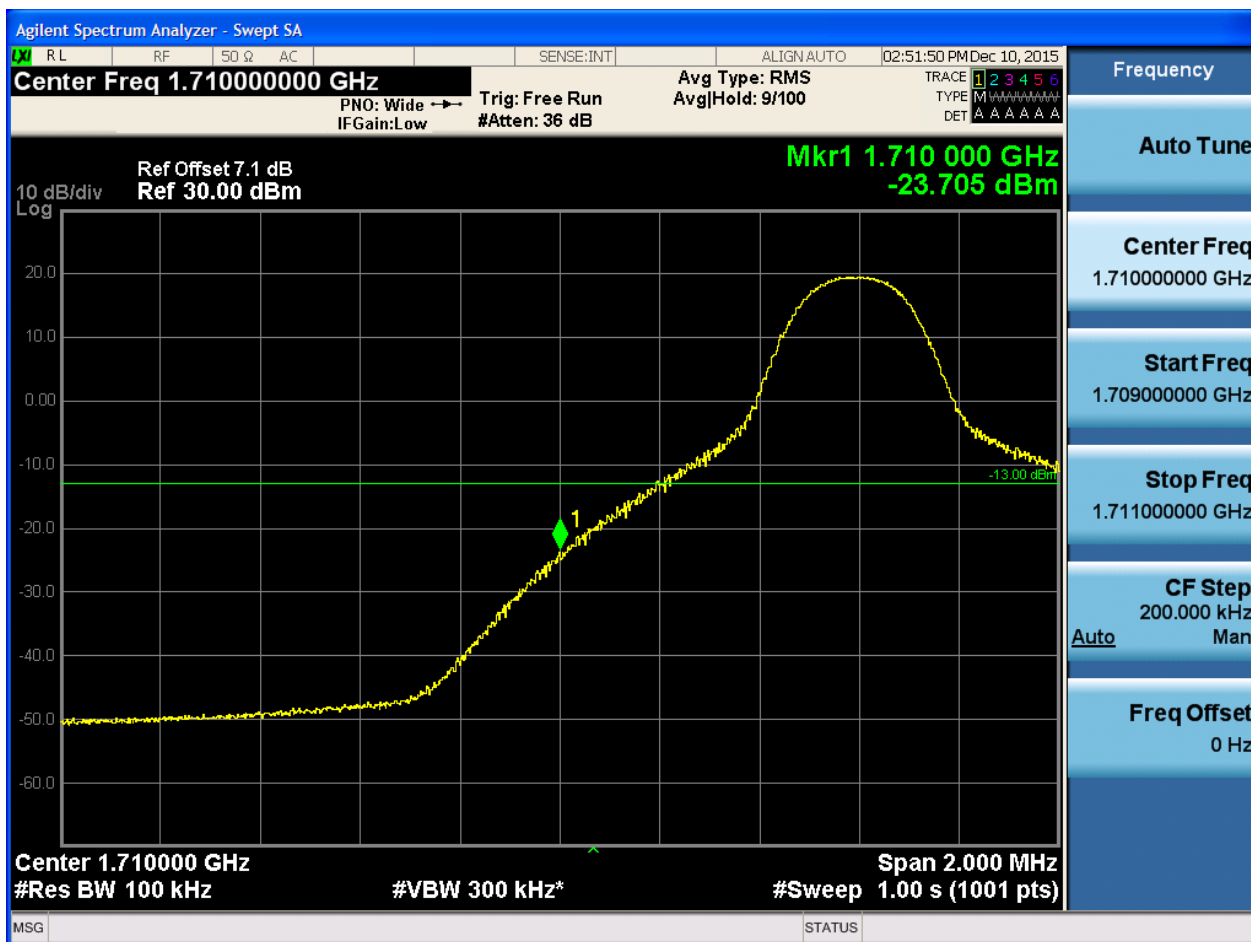




5.1.1.1.4 Test Bandwidth = 10

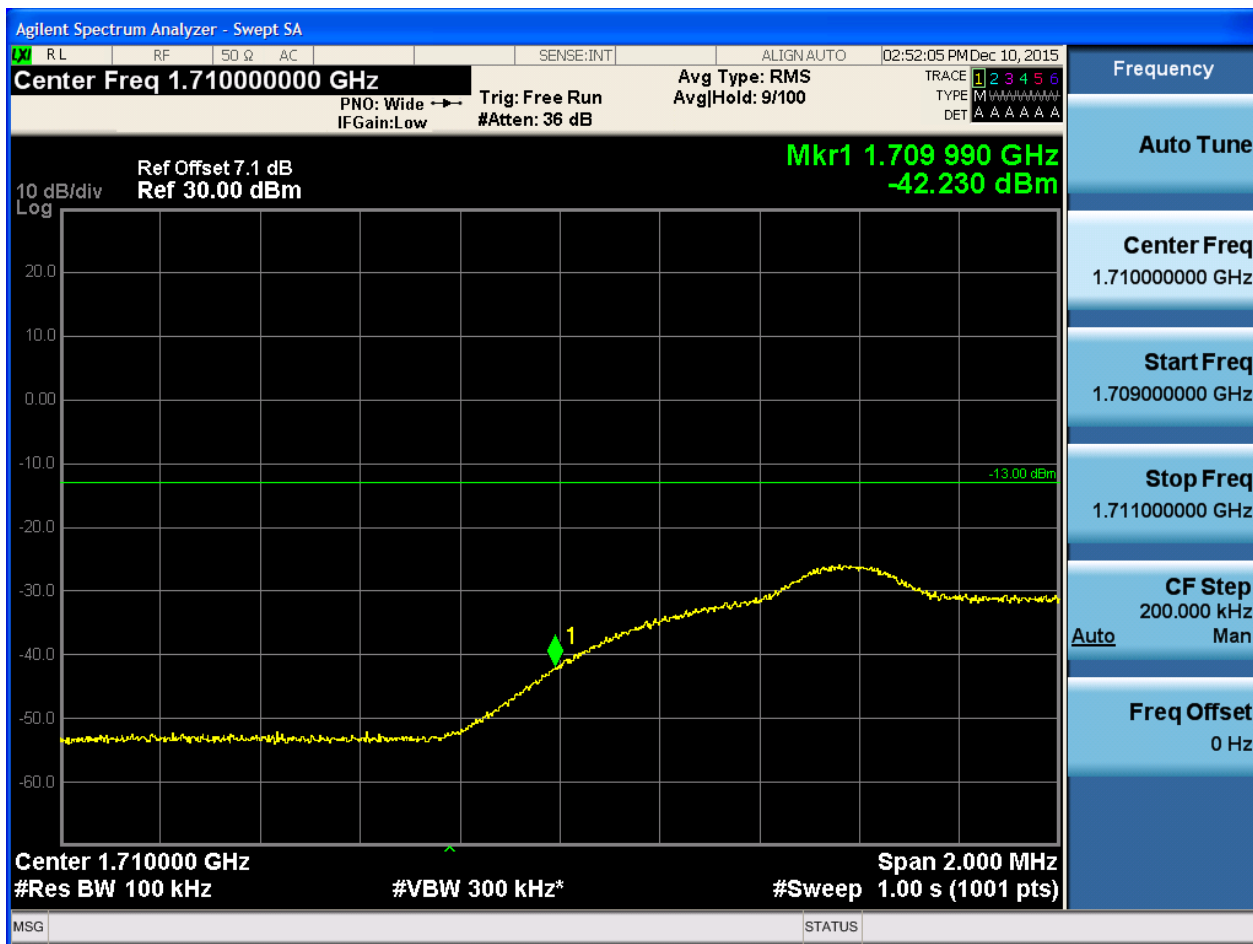
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



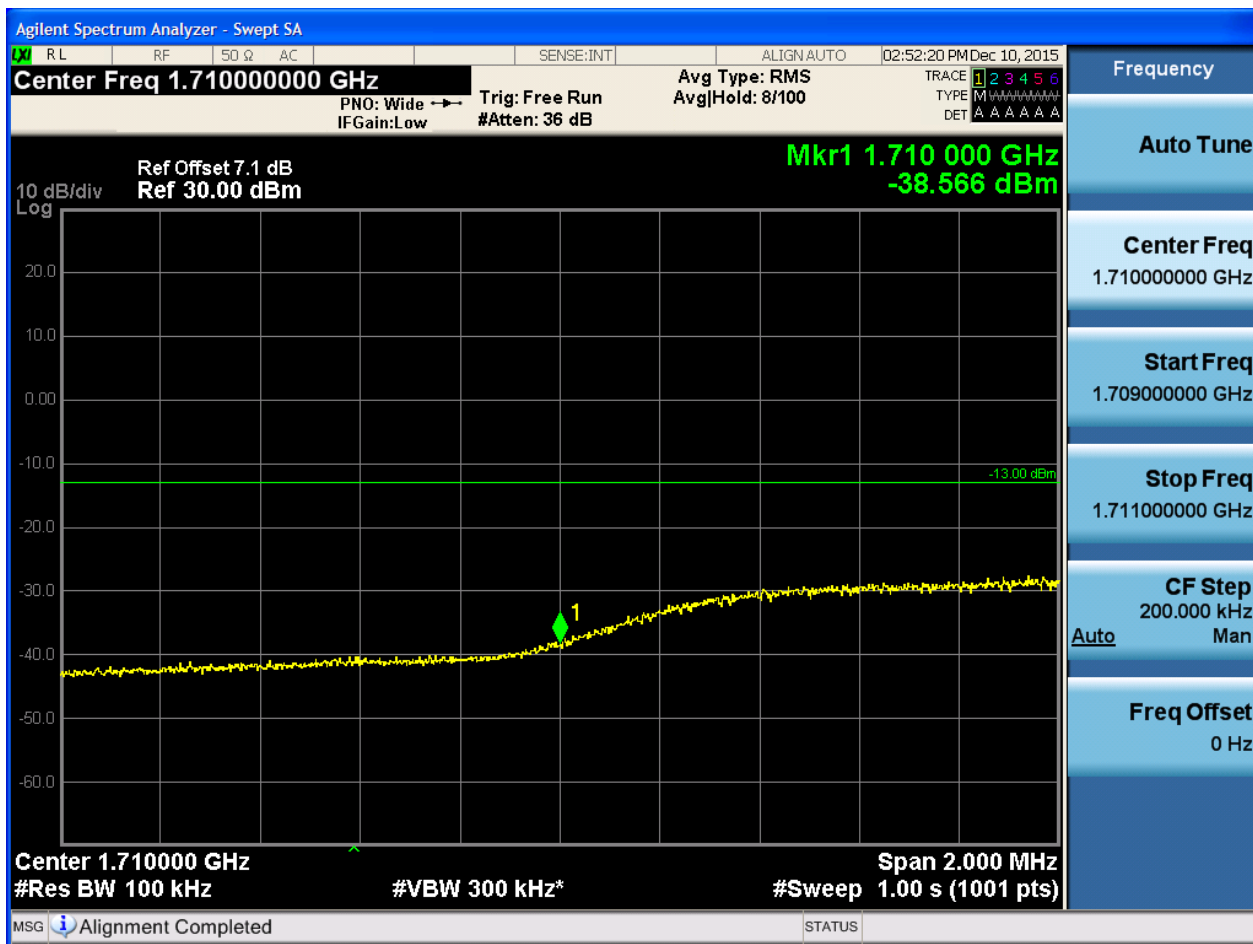


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0





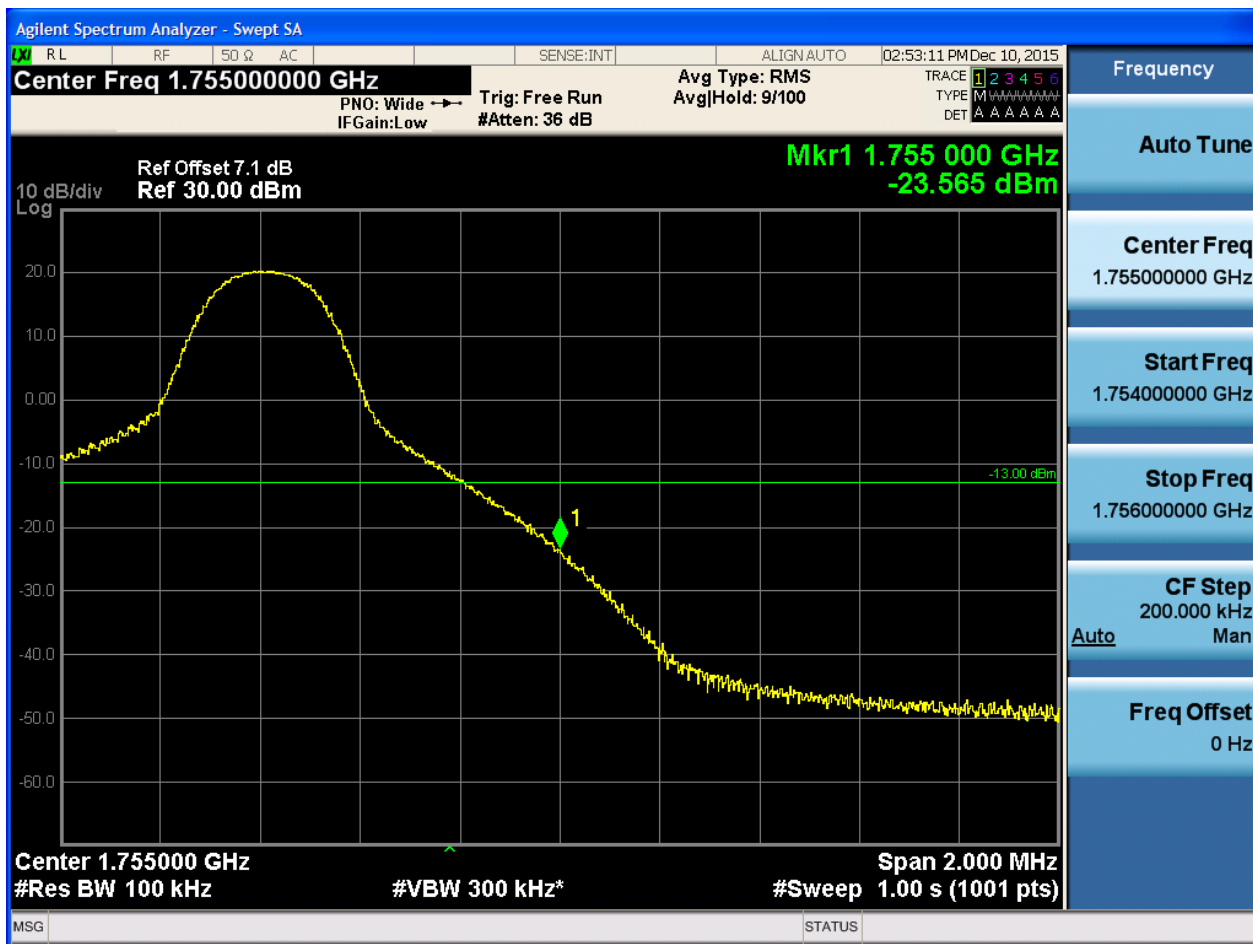
5.1.1.1.4.2 Test Channel = HCH

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

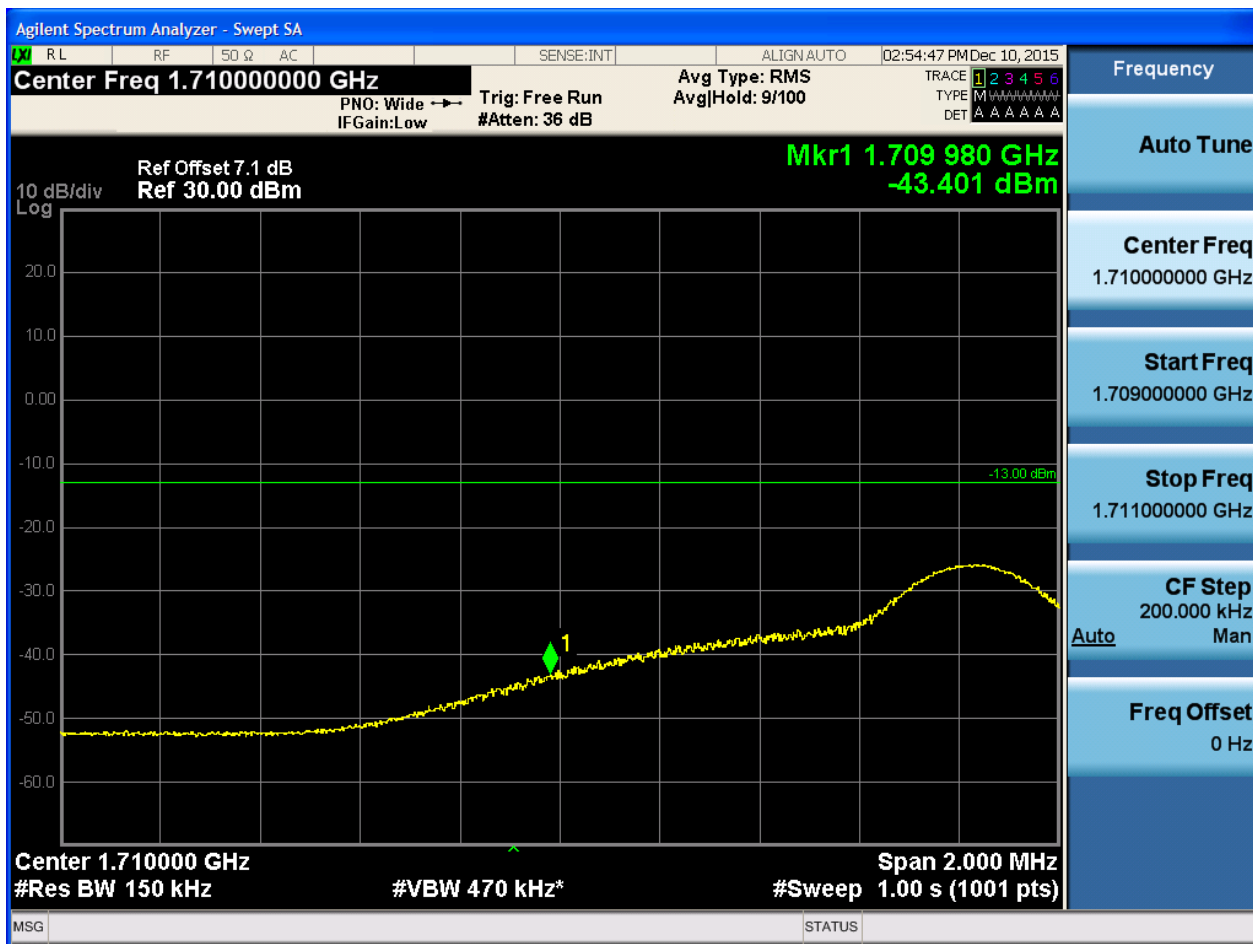
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74



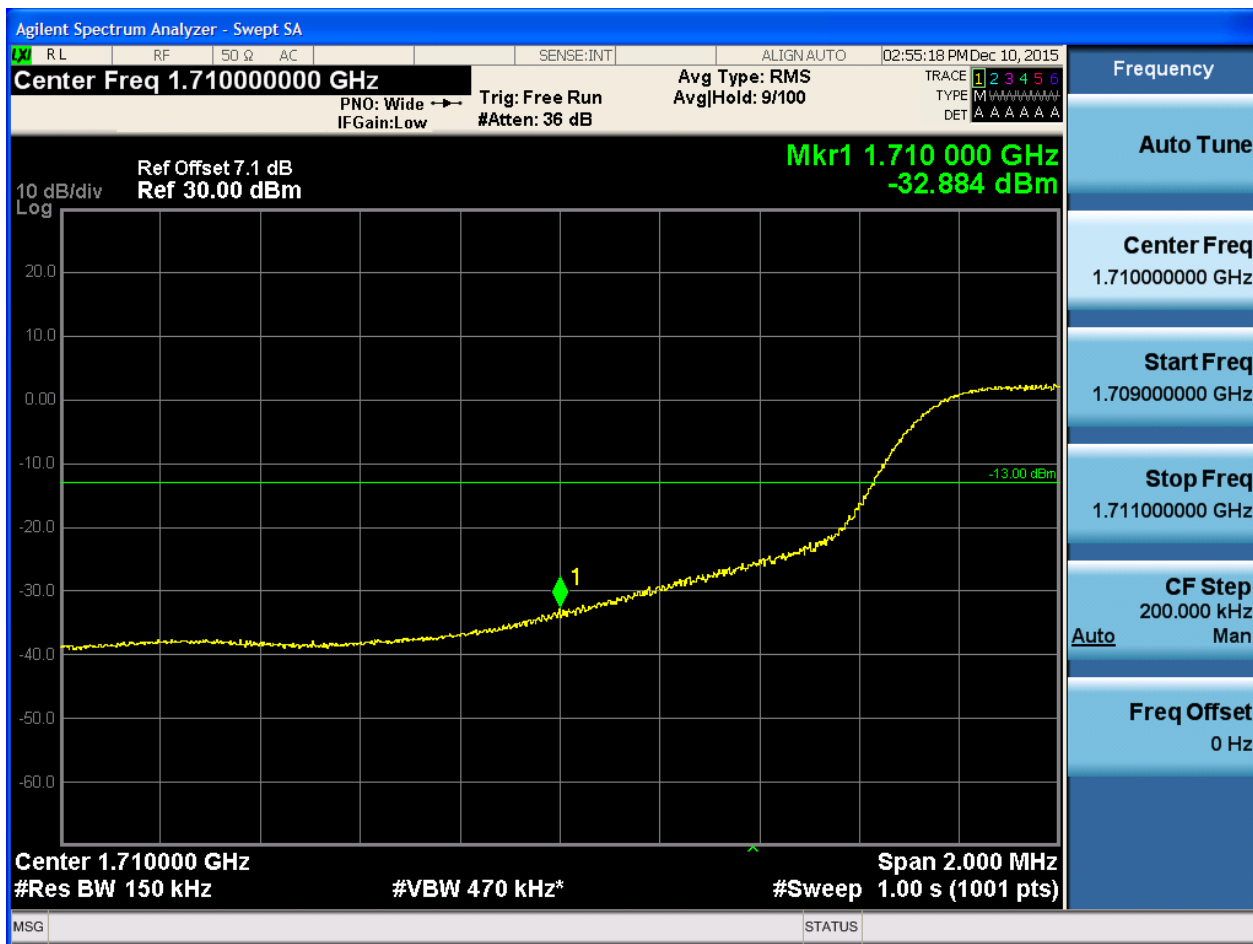


5.1.1.1.5.1.3 Test RB = RB38#19





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





5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0





5.1.1.1.6 Test Bandwidth = 20

5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0





5.1.1.1.6.1.2 Test RB = RB1#99



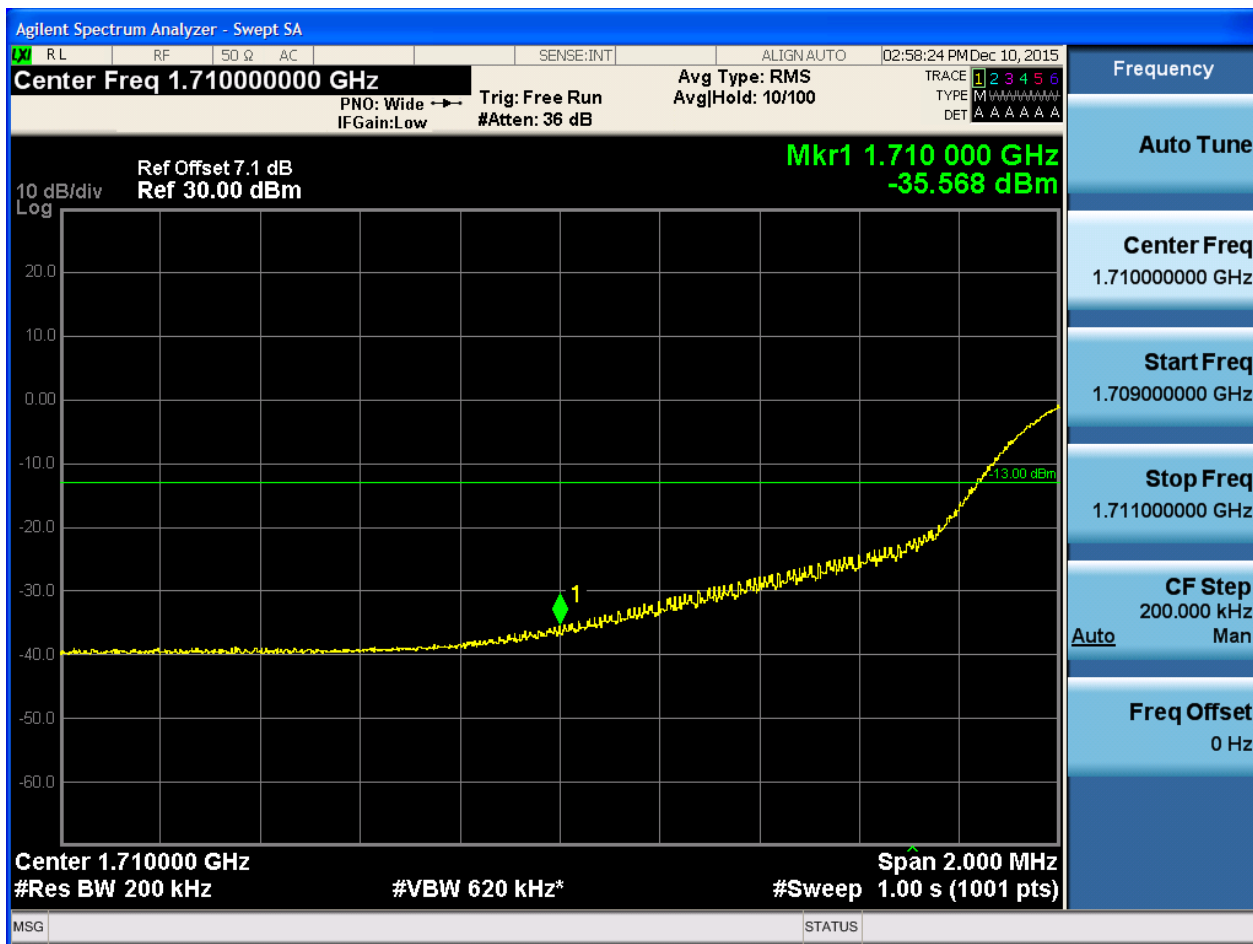


5.1.1.1.6.1.3 Test RB = RB50#25





5.1.1.1.6.1.4 Test RB = RB100#0





5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





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



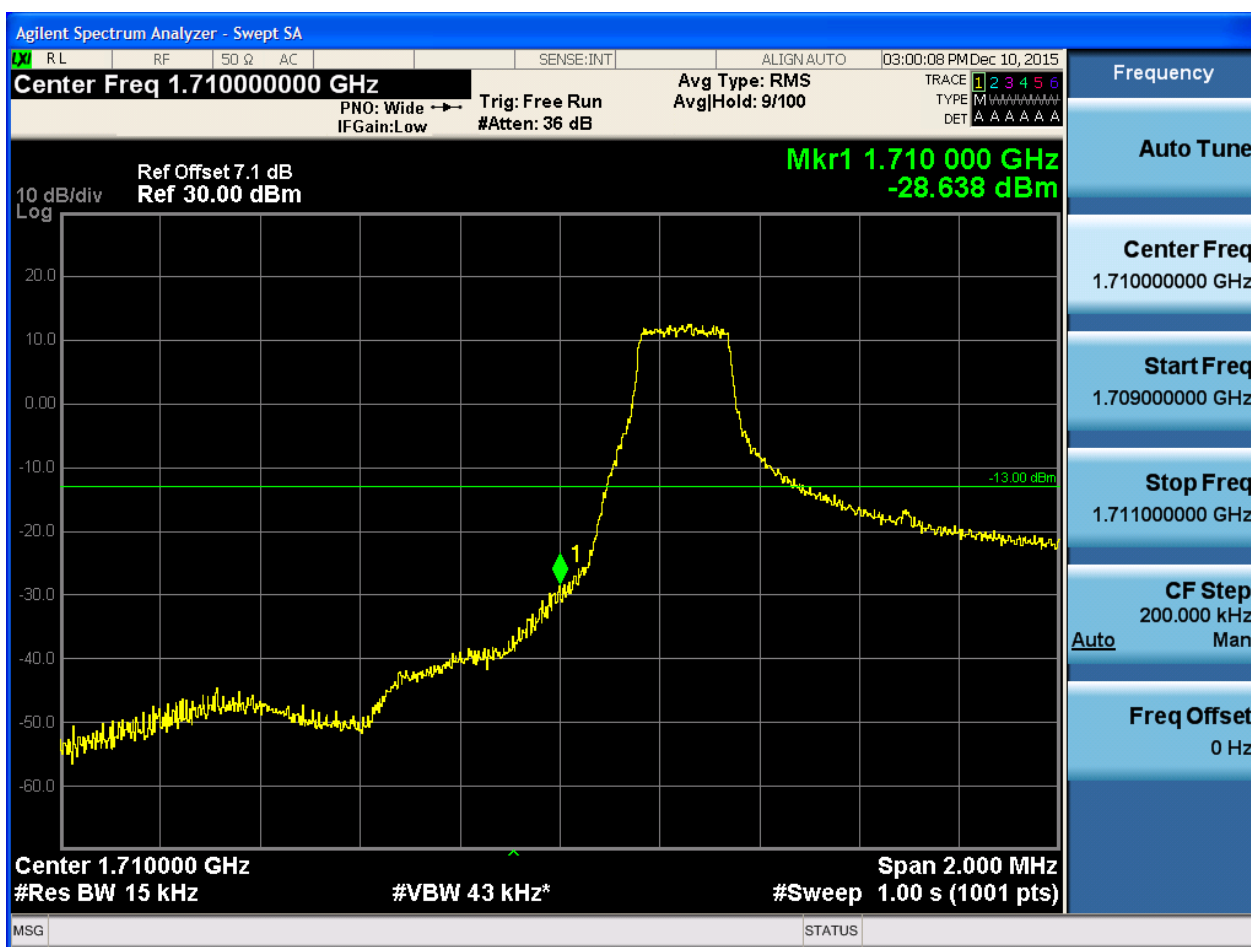


5.1.1.2 Test Mode = LTE/TM2

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





5.1.1.2.1.1.2 Test RB = RB1#5

