



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]	ERP [dBm]	Limit [dBm]	Verdict
BAND26	LTE/TM1	1.4	LCH	RB1#0	22.47	17.86	50	PASS
				RB1#3	22.63	18.02	50	PASS
				RB1#5	22.48	17.87	50	PASS
				RB3#0	22.44	17.83	50	PASS
				RB3#2	22.74	18.13	50	PASS
				RB3#3	22.7	18.09	50	PASS
			MCH	RB6#0	21.69	17.08	50	PASS
				RB1#0	22.79	18.18	50	PASS
				RB1#3	22.94	18.33	50	PASS
				RB1#5	22.82	18.21	50	PASS
				RB3#0	22.86	18.25	50	PASS
				RB3#2	22.85	18.24	50	PASS
				RB3#3	22.84	18.23	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.77	17.16	50	PASS
			HCH	RB1#0	22.8	18.19	50	PASS
				RB1#3	22.87	18.26	50	PASS
				RB1#5	22.81	18.2	50	PASS
				RB3#0	22.81	18.2	50	PASS
				RB3#2	22.82	18.21	50	PASS
				RB3#3	22.87	18.26	50	PASS
				RB6#0	21.84	17.23	50	PASS
		3	LCH	RB1#0	22.41	17.8	50	PASS
				RB1#7	22.9	18.29	50	PASS
				RB1#14	22.63	18.02	50	PASS
				RB8#0	21.56	16.95	50	PASS
				RB8#4	21.8	17.19	50	PASS
				RB8#7	21.76	17.15	50	PASS
				RB15#0	21.7	17.09	50	PASS
			MCH	RB1#0	22.63	18.02	50	PASS
				RB1#7	22.86	18.25	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.71	18.1	50	PASS
				RB8#0	21.81	17.2	50	PASS
				RB8#4	21.77	17.16	50	PASS
				RB8#7	21.71	17.1	50	PASS
				RB15#0	21.68	17.07	50	PASS
			HCH	RB1#0	22.64	18.03	50	PASS
				RB1#7	22.97	18.36	50	PASS
				RB1#14	22.65	18.04	50	PASS
				RB8#0	21.85	17.24	50	PASS
				RB8#4	21.93	17.32	50	PASS
				RB8#7	21.85	17.24	50	PASS
				RB15#0	21.85	17.24	50	PASS
		5	LCH	RB1#0	22.76	18.15	50	PASS
				RB1#13	23.4	18.79	50	PASS
				RB1#24	22.96	18.35	50	PASS
				RB12#0	22.07	17.46	50	PASS
				RB12#6	22.37	17.76	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	22.25	17.64	50	PASS
				RB25#0	22.15	17.54	50	PASS
			MCH	RB1#0	23.08	18.47	50	PASS
				RB1#13	23.47	18.86	50	PASS
				RB1#24	22.82	18.21	50	PASS
				RB12#0	22.4	17.79	50	PASS
				RB12#6	22.49	17.88	50	PASS
				RB12#13	22.2	17.59	50	PASS
				RB25#0	22.3	17.69	50	PASS
			HCH	RB1#0	22.82	18.21	50	PASS
				RB1#13	23.55	18.94	50	PASS
				RB1#24	22.85	18.24	50	PASS
				RB12#0	22.33	17.72	50	PASS
				RB12#6	22.58	17.97	50	PASS
				RB12#13	22.3	17.69	50	PASS
				RB25#0	22.5	17.89	50	PASS
		10	LCH	RB1#0	23.27	18.66	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	23.71	19.1	50	PASS
				RB1#49	23.76	19.15	50	PASS
				RB25#0	22.25	17.64	50	PASS
				RB25#13	22.44	17.83	50	PASS
				RB25#25	22.26	17.65	50	PASS
				RB50#0	22.3	17.69	50	PASS
			MCH	RB1#0	23.6	18.99	50	PASS
				RB1#25	23.52	18.91	50	PASS
				RB1#49	23.48	18.87	50	PASS
				RB25#0	22.3	17.69	50	PASS
				RB25#13	22.3	17.69	50	PASS
				RB25#25	22.01	17.4	50	PASS
				RB50#0	22.03	17.42	50	PASS
			HCH	RB1#0	23.3	18.69	50	PASS
				RB1#25	23.47	18.86	50	PASS
				RB1#49	23.36	18.75	50	PASS
				RB25#0	22.04	17.43	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.33	17.72	50	PASS
				RB25#25	22.39	17.78	50	PASS
				RB50#0	22.15	17.54	50	PASS
		15	LCH	RB1#0	23.32	18.71	50	PASS
				RB1#38	23.71	19.1	50	PASS
				RB1#74	23.2	18.59	50	PASS
				RB38#0	22.53	17.92	50	PASS
				RB38#19	22.55	17.94	50	PASS
				RB38#39	22.41	17.8	50	PASS
				RB75#0	22.43	17.82	50	PASS
			MCH	RB1#0	23.51	18.9	50	PASS
				RB1#38	23.43	18.82	50	PASS
				RB1#74	23.14	18.53	50	PASS
				RB38#0	22.54	17.93	50	PASS
				RB38#19	22.27	17.66	50	PASS
				RB38#39	22.23	17.62	50	PASS
				RB75#0	22.31	17.7	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.68	19.07	50	PASS
				RB1#38	23.3	18.69	50	PASS
				RB1#74	23.16	18.55	50	PASS
				RB38#0	22.26	17.65	50	PASS
				RB38#19	22.25	17.64	50	PASS
				RB38#39	22.27	17.66	50	PASS
				RB75#0	22.27	17.66	50	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.78	17.17	50	PASS
				RB1#3	21.95	17.34	50	PASS
				RB1#5	21.83	17.22	50	PASS
				RB3#0	21.71	17.1	50	PASS
				RB3#2	21.81	17.2	50	PASS
				RB3#3	21.75	17.14	50	PASS
				RB6#0	20.61	16	50	PASS
			MCH	RB1#0	21.78	17.17	50	PASS
				RB1#3	22.04	17.43	50	PASS
				RB1#5	21.97	17.36	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB3#0	21.88	17.27	50	PASS
				RB3#2	21.97	17.36	50	PASS
				RB3#3	21.96	17.35	50	PASS
				RB6#0	20.77	16.16	50	PASS
			HCH	RB1#0	21.82	17.21	50	PASS
				RB1#3	21.91	17.3	50	PASS
				RB1#5	22.08	17.47	50	PASS
				RB3#0	21.98	17.37	50	PASS
				RB3#2	21.9	17.29	50	PASS
				RB3#3	21.96	17.35	50	PASS
				RB6#0	20.81	16.2	50	PASS
		3	LCH	RB1#0	21.61	17	50	PASS
				RB1#7	22.11	17.5	50	PASS
				RB1#14	21.66	17.05	50	PASS
				RB8#0	20.53	15.92	50	PASS
				RB8#4	20.8	16.19	50	PASS
				RB8#7	20.77	16.16	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.68	16.07	50	PASS
			MCH	RB1#0	21.65	17.04	50	PASS
				RB1#7	22.18	17.57	50	PASS
				RB1#14	21.67	17.06	50	PASS
				RB8#0	20.73	16.12	50	PASS
				RB8#4	20.73	16.12	50	PASS
				RB8#7	20.71	16.1	50	PASS
				RB15#0	20.72	16.11	50	PASS
			HCH	RB1#0	21.65	17.04	50	PASS
				RB1#7	22.06	17.45	50	PASS
				RB1#14	21.68	17.07	50	PASS
				RB8#0	20.82	16.21	50	PASS
				RB8#4	20.86	16.25	50	PASS
				RB8#7	20.79	16.18	50	PASS
				RB15#0	20.81	16.2	50	PASS
		5	LCH	RB1#0	21.91	17.3	50	PASS
				RB1#13	22.58	17.97	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#24	22.13	17.52	50	PASS
				RB12#0	20.99	16.38	50	PASS
				RB12#6	21.3	16.69	50	PASS
				RB12#13	21.21	16.6	50	PASS
				RB25#0	21.08	16.47	50	PASS
			MCH	RB1#0	22.32	17.71	50	PASS
				RB1#13	22.74	18.13	50	PASS
				RB1#24	22.08	17.47	50	PASS
				RB12#0	21.35	16.74	50	PASS
				RB12#6	21.44	16.83	50	PASS
				RB12#13	21.16	16.55	50	PASS
				RB25#0	21.25	16.64	50	PASS
			HCH	RB1#0	22.01	17.4	50	PASS
				RB1#13	22.78	18.17	50	PASS
				RB1#24	22.07	17.46	50	PASS
				RB12#0	21.27	16.66	50	PASS
				RB12#6	21.53	16.92	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.27	16.66	50	PASS
				RB25#0	21.43	16.82	50	PASS
		10	LCH	RB1#0	22.28	17.67	50	PASS
				RB1#25	22.71	18.1	50	PASS
				RB1#49	22.79	18.18	50	PASS
				RB25#0	21.22	16.61	50	PASS
				RB25#13	21.38	16.77	50	PASS
				RB25#25	21.23	16.62	50	PASS
				RB50#0	21.27	16.66	50	PASS
			MCH	RB1#0	22.71	18.1	50	PASS
				RB1#25	22.56	17.95	50	PASS
				RB1#49	22.58	17.97	50	PASS
				RB25#0	21.28	16.67	50	PASS
				RB25#13	21.26	16.65	50	PASS
				RB25#25	20.99	16.38	50	PASS
				RB50#0	20.98	16.37	50	PASS
			HCH	RB1#0	22.56	17.95	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.68	18.07	50	PASS
				RB1#49	22.67	18.06	50	PASS
				RB25#0	21	16.39	50	PASS
				RB25#13	21.28	16.67	50	PASS
				RB25#25	21.36	16.75	50	PASS
				RB50#0	21.09	16.48	50	PASS
		15	LCH	RB1#0	22.42	17.81	50	PASS
				RB1#38	22.88	18.27	50	PASS
				RB1#74	22.37	17.76	50	PASS
				RB38#0	21.5	16.89	50	PASS
				RB38#19	21.51	16.9	50	PASS
				RB38#39	21.39	16.78	50	PASS
				RB75#0	21.42	16.81	50	PASS
			MCH	RB1#0	22.64	18.03	50	PASS
				RB1#38	22.57	17.96	50	PASS
				RB1#74	22.33	17.72	50	PASS
				RB38#0	21.51	16.9	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB38#19	21.25	16.64	50	PASS
				RB38#39	21.21	16.6	50	PASS
				RB75#0	21.28	16.67	50	PASS
			HCH	RB1#0	22.73	18.12	50	PASS
				RB1#38	22.38	17.77	50	PASS
				RB1#74	22.3	17.69	50	PASS
				RB38#0	21.24	16.63	50	PASS
				RB38#19	21.22	16.61	50	PASS
				RB38#39	21.24	16.63	50	PASS
				RB75#0	21.23	16.62	50	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: RBW > emission bandwidth, VBW > 3 x RBW.

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
BAND26	LTE/TM1	1.4	LCH	RB1#0	4.43	13	PASS
				RB1#3	4.28	13	PASS
				RB1#5	4.36	13	PASS
				RB3#0	4.92	13	PASS
				RB3#2	4.74	13	PASS
				RB3#3	4.87	13	PASS
				RB6#0	5.76	13	PASS
			MCH	RB1#0	4.63	13	PASS
				RB1#3	4.52	13	PASS
				RB1#5	4.56	13	PASS
				RB3#0	4.96	13	PASS
				RB3#2	5.1	13	PASS
				RB3#3	4.89	13	PASS
				RB6#0	5.76	13	PASS
			HCH	RB1#0	3.96	13	PASS
				RB1#3	3.83	13	PASS
				RB1#5	3.77	13	PASS
				RB3#0	4.31	13	PASS
				RB3#2	4.32	13	PASS
				RB3#3	4.19	13	PASS
				RB6#0	5.28	13	PASS
		3	LCH	RB1#0	4.68	13	PASS
				RB1#7	4.28	13	PASS
				RB1#14	4.34	13	PASS
				RB8#0	5.55	13	PASS
				RB8#4	5.41	13	PASS
				RB8#7	5.43	13	PASS
				RB15#0	5.84	13	PASS
			MCH	RB1#0	4.63	13	PASS
				RB1#7	4.12	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	4.62	13	PASS
				RB8#0	5.56	13	PASS
				RB8#4	5.65	13	PASS
				RB8#7	5.66	13	PASS
				RB15#0	5.87	13	PASS
			HCH	RB1#0	4.08	13	PASS
				RB1#7	3.83	13	PASS
				RB1#14	3.87	13	PASS
				RB8#0	5.42	13	PASS
				RB8#4	5.19	13	PASS
				RB8#7	5.26	13	PASS
				RB15#0	5.45	13	PASS
		5	LCH	RB1#0	4.46	13	PASS
				RB1#13	3.84	13	PASS
				RB1#24	4.2	13	PASS
				RB12#0	5.29	13	PASS
				RB12#6	5.09	13	PASS
				RB12#13	5.25	13	PASS
				RB25#0	5.75	13	PASS
			MCH	RB1#0	4.53	13	PASS
				RB1#13	4.2	13	PASS
				RB1#24	4.62	13	PASS
				RB12#0	5.5	13	PASS
				RB12#6	5.39	13	PASS
				RB12#13	5.64	13	PASS
				RB25#0	5.79	13	PASS
			HCH	RB1#0	4.28	13	PASS
				RB1#13	3.48	13	PASS
				RB1#24	3.89	13	PASS
				RB12#0	5.04	13	PASS
				RB12#6	4.72	13	PASS
				RB12#13	4.85	13	PASS
				RB25#0	5.31	13	PASS
		10	LCH	RB1#0	4	13	PASS
				RB1#25	3.68	13	PASS
				RB1#49	3.87	13	PASS
				RB25#0	5.39	13	PASS
				RB25#13	5.13	13	PASS
				RB25#25	5.49	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB50#0	5.78	13	PASS
				RB1#0	3.82	13	PASS
				RB1#25	3.96	13	PASS
				RB1#49	3.82	13	PASS
				RB25#0	5.62	13	PASS
				RB25#13	5.47	13	PASS
				RB25#25	5.76	13	PASS
				RB50#0	6.13	13	PASS
			HCH	RB1#0	4.05	13	PASS
				RB1#25	3.58	13	PASS
				RB1#49	3.32	13	PASS
				RB25#0	5.6	13	PASS
				RB25#13	5.09	13	PASS
				RB25#25	5.1	13	PASS
				RB50#0	5.72	13	PASS
		15	LCH	RB1#0	3.88	13	PASS
				RB1#38	3.66	13	PASS
				RB1#74	4.16	13	PASS
				RB38#0	5.29	13	PASS
				RB38#19	5.21	13	PASS
				RB38#39	5.6	13	PASS
				RB75#0	6	13	PASS
			MCH	RB1#0	3.78	13	PASS
				RB1#38	4.06	13	PASS
				RB1#74	3.93	13	PASS
				RB38#0	5.51	13	PASS
				RB38#19	5.61	13	PASS
				RB38#39	5.71	13	PASS
				RB75#0	6	13	PASS
			HCH	RB1#0	3.93	13	PASS
				RB1#38	3.92	13	PASS
				RB1#74	3.55	13	PASS
				RB38#0	5.56	13	PASS
				RB38#19	5.26	13	PASS
				RB38#39	5.21	13	PASS
				RB75#0	5.85	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.23	13	PASS
				RB1#3	5.27	13	PASS
				RB1#5	5.31	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB3#0	5.8	13	PASS
				RB3#2	5.82	13	PASS
				RB3#3	5.74	13	PASS
				RB6#0	6.34	13	PASS
			MCH	RB1#0	5.43	13	PASS
				RB1#3	5.34	13	PASS
				RB1#5	5.51	13	PASS
				RB3#0	5.97	13	PASS
				RB3#2	5.85	13	PASS
				RB3#3	5.82	13	PASS
				RB6#0	6.54	13	PASS
			HCH	RB1#0	5.05	13	PASS
				RB1#3	4.78	13	PASS
				RB1#5	4.72	13	PASS
				RB3#0	5.31	13	PASS
				RB3#2	5.22	13	PASS
				RB3#3	5.16	13	PASS
				RB6#0	6.06	13	PASS
		3	LCH	RB1#0	5.4	13	PASS
				RB1#7	5.13	13	PASS
				RB1#14	5.2	13	PASS
				RB8#0	6.23	13	PASS
				RB8#4	6.21	13	PASS
				RB8#7	6.11	13	PASS
				RB15#0	6.28	13	PASS
			MCH	RB1#0	5.43	13	PASS
				RB1#7	5.63	13	PASS
				RB1#14	5.43	13	PASS
				RB8#0	6.32	13	PASS
				RB8#4	6.28	13	PASS
				RB8#7	6.34	13	PASS
				RB15#0	6.6	13	PASS
			HCH	RB1#0	5.2	13	PASS
				RB1#7	4.75	13	PASS
				RB1#14	4.99	13	PASS
				RB8#0	5.81	13	PASS
				RB8#4	5.57	13	PASS
				RB8#7	5.75	13	PASS
				RB15#0	6.57	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5	LCH	RB1#0	5.35	13	PASS
				RB1#13	4.79	13	PASS
				RB1#24	5.16	13	PASS
				RB12#0	5.9	13	PASS
				RB12#6	5.57	13	PASS
				RB12#13	5.74	13	PASS
				RB25#0	6.32	13	PASS
			MCH	RB1#0	5.34	13	PASS
				RB1#13	5.1	13	PASS
				RB1#24	5.52	13	PASS
				RB12#0	5.97	13	PASS
				RB12#6	5.8	13	PASS
				RB12#13	6.08	13	PASS
				RB25#0	6.3	13	PASS
			HCH	RB1#0	5.22	13	PASS
				RB1#13	4.43	13	PASS
				RB1#24	4.8	13	PASS
				RB12#0	5.51	13	PASS
				RB12#6	5.13	13	PASS
				RB12#13	5.35	13	PASS
				RB25#0	5.81	13	PASS
		10	LCH	RB1#0	5.08	13	PASS
				RB1#25	4.65	13	PASS
				RB1#49	4.89	13	PASS
				RB25#0	5.93	13	PASS
				RB25#13	5.62	13	PASS
				RB25#25	6	13	PASS
				RB50#0	6.29	13	PASS
			MCH	RB1#0	4.83	13	PASS
				RB1#25	5.14	13	PASS
				RB1#49	4.97	13	PASS
				RB25#0	6.08	13	PASS
				RB25#13	5.96	13	PASS
				RB25#25	6.25	13	PASS
				RB50#0	6.53	13	PASS
			HCH	RB1#0	5.16	13	PASS
				RB1#25	4.66	13	PASS
				RB1#49	4.4	13	PASS
				RB25#0	6.09	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	5.52	13	PASS
				RB25#25	5.49	13	PASS
				RB50#0	6.3	13	PASS
		15	LCH	RB1#0	4.93	13	PASS
				RB1#38	4.61	13	PASS
				RB1#74	5.18	13	PASS
				RB38#0	5.8	13	PASS
				RB38#19	5.7	13	PASS
				RB38#39	6.16	13	PASS
				RB75#0	6.52	13	PASS
			MCH	RB1#0	4.77	13	PASS
				RB1#38	4.94	13	PASS
				RB1#74	4.74	13	PASS
				RB38#0	6.01	13	PASS
				RB38#19	6.13	13	PASS
				RB38#39	6.27	13	PASS
				RB75#0	6.66	13	PASS
			HCH	RB1#0	4.86	13	PASS
				RB1#38	4.82	13	PASS
				RB1#74	4.37	13	PASS
				RB38#0	6.32	13	PASS
				RB38#19	5.96	13	PASS
				RB38#39	5.92	13	PASS
				RB75#0	6.49	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

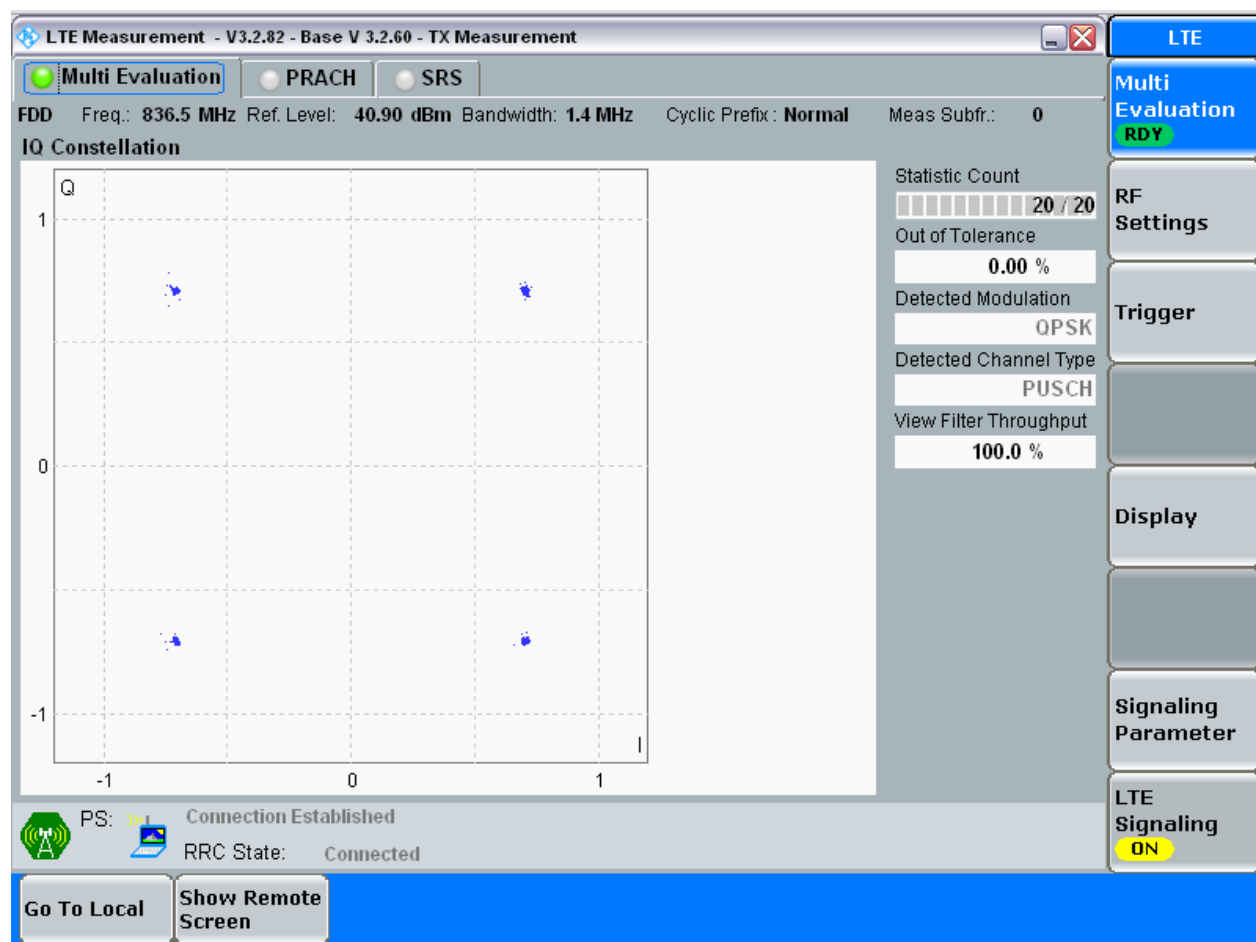
3.1.1 Test Band = BAND26

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

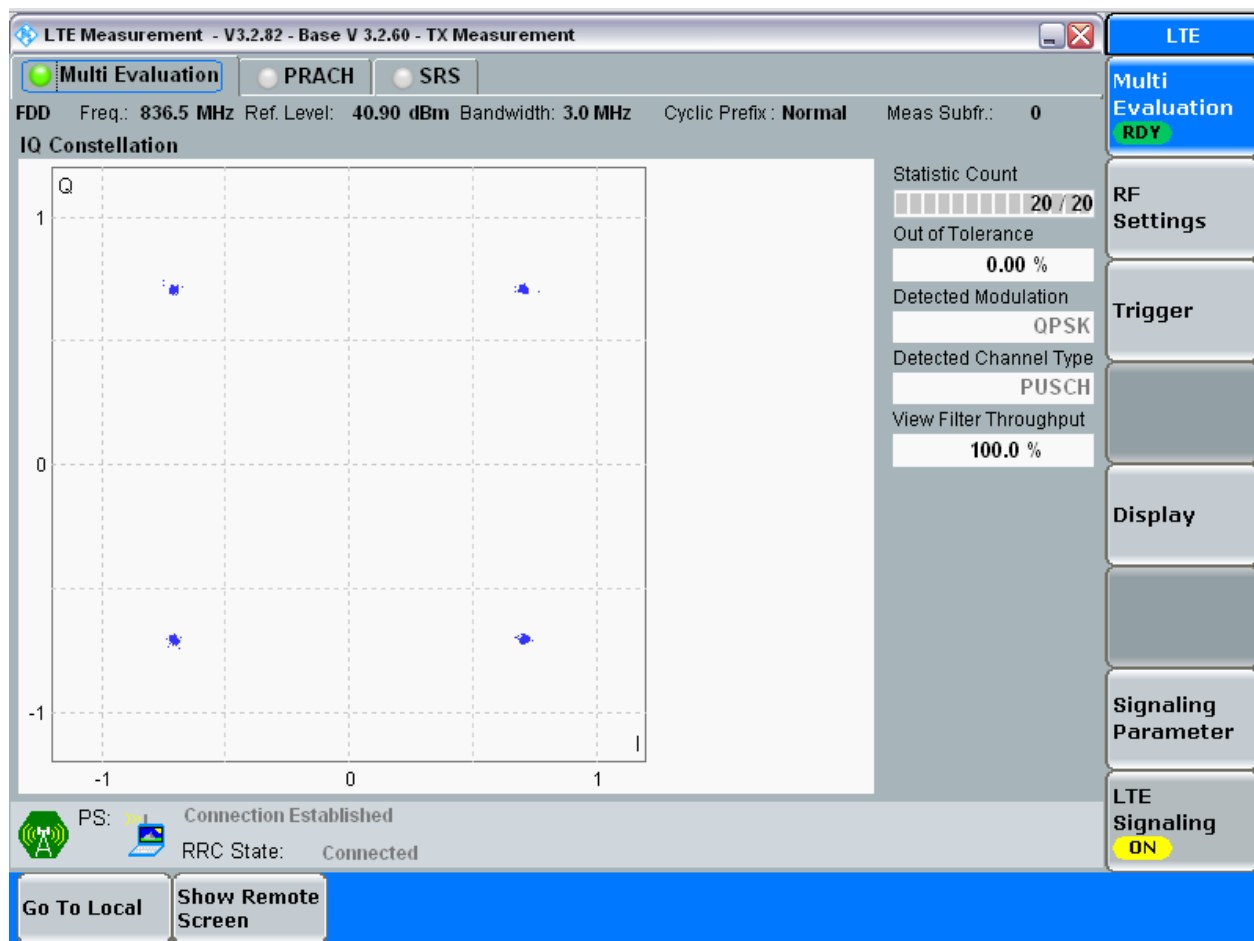
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

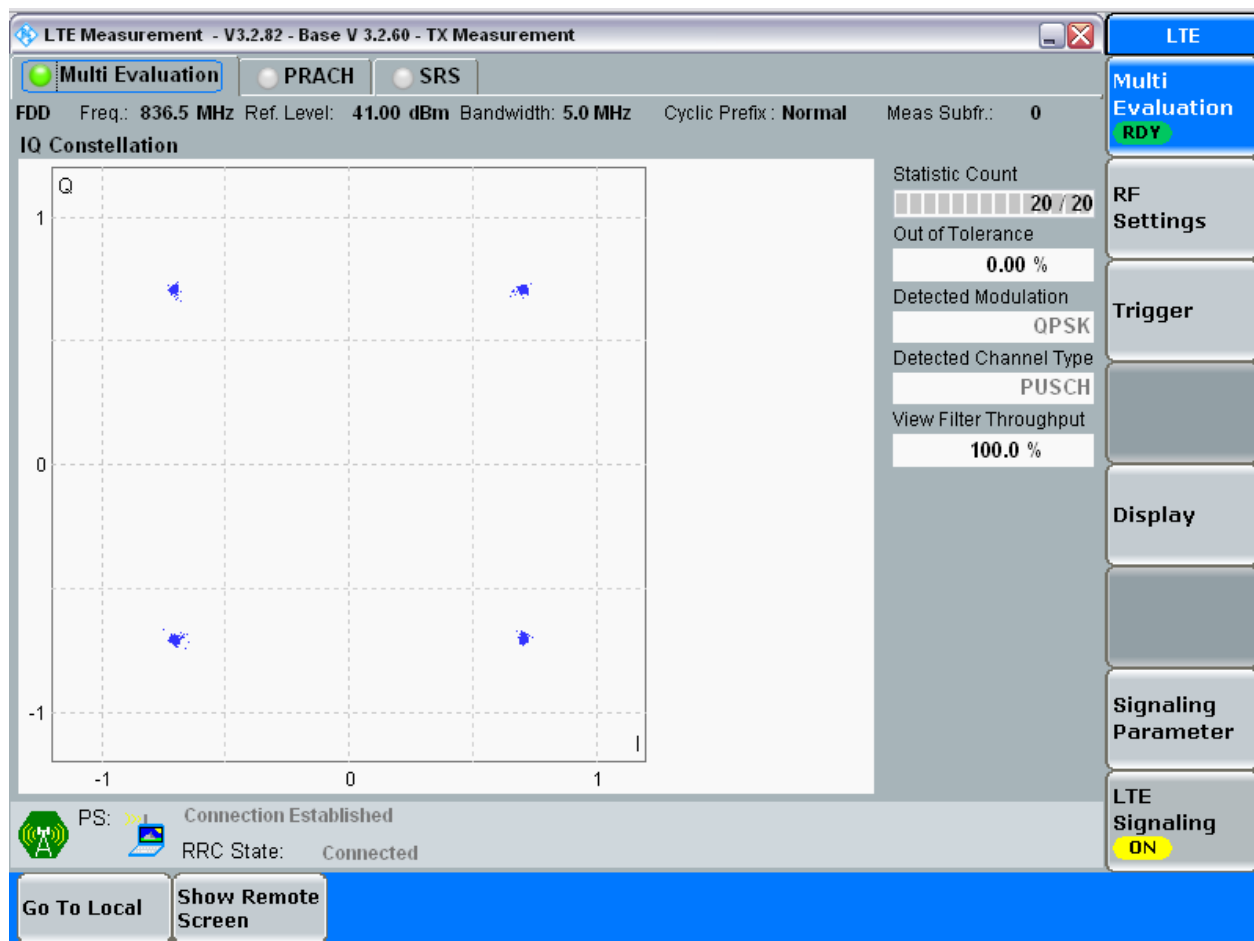
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

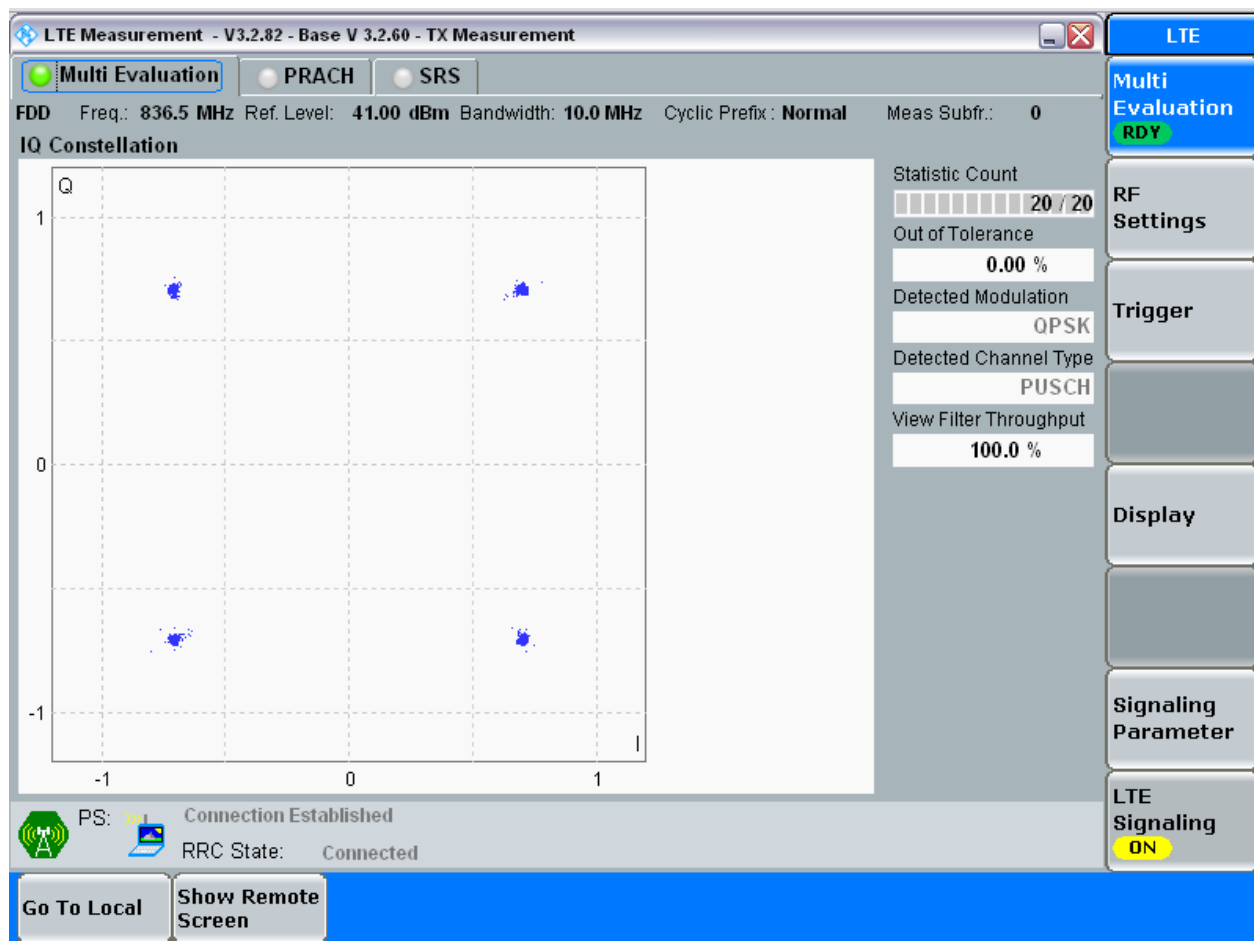
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

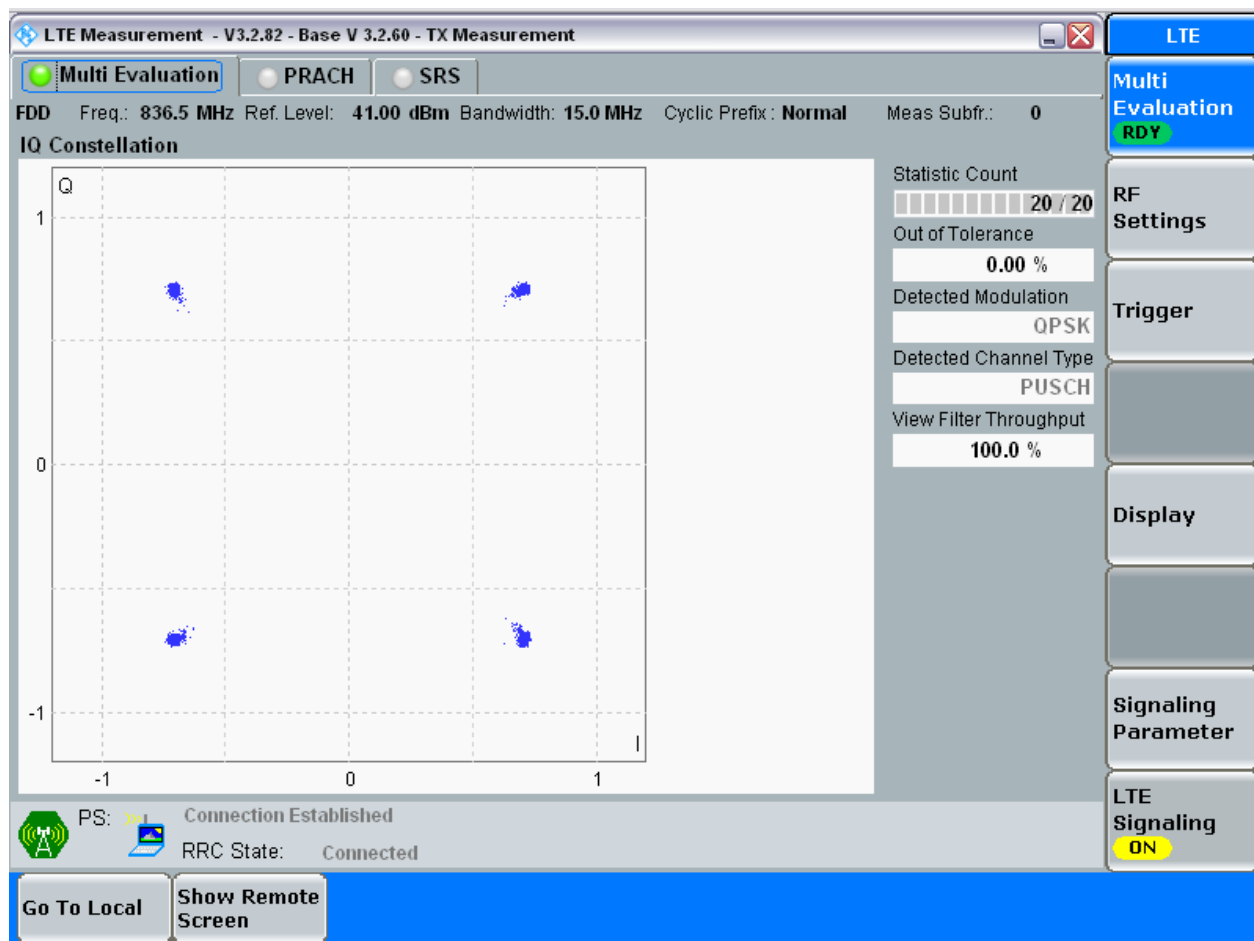
3.1.1.1.4.1.1 Test RB = RB50#0



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

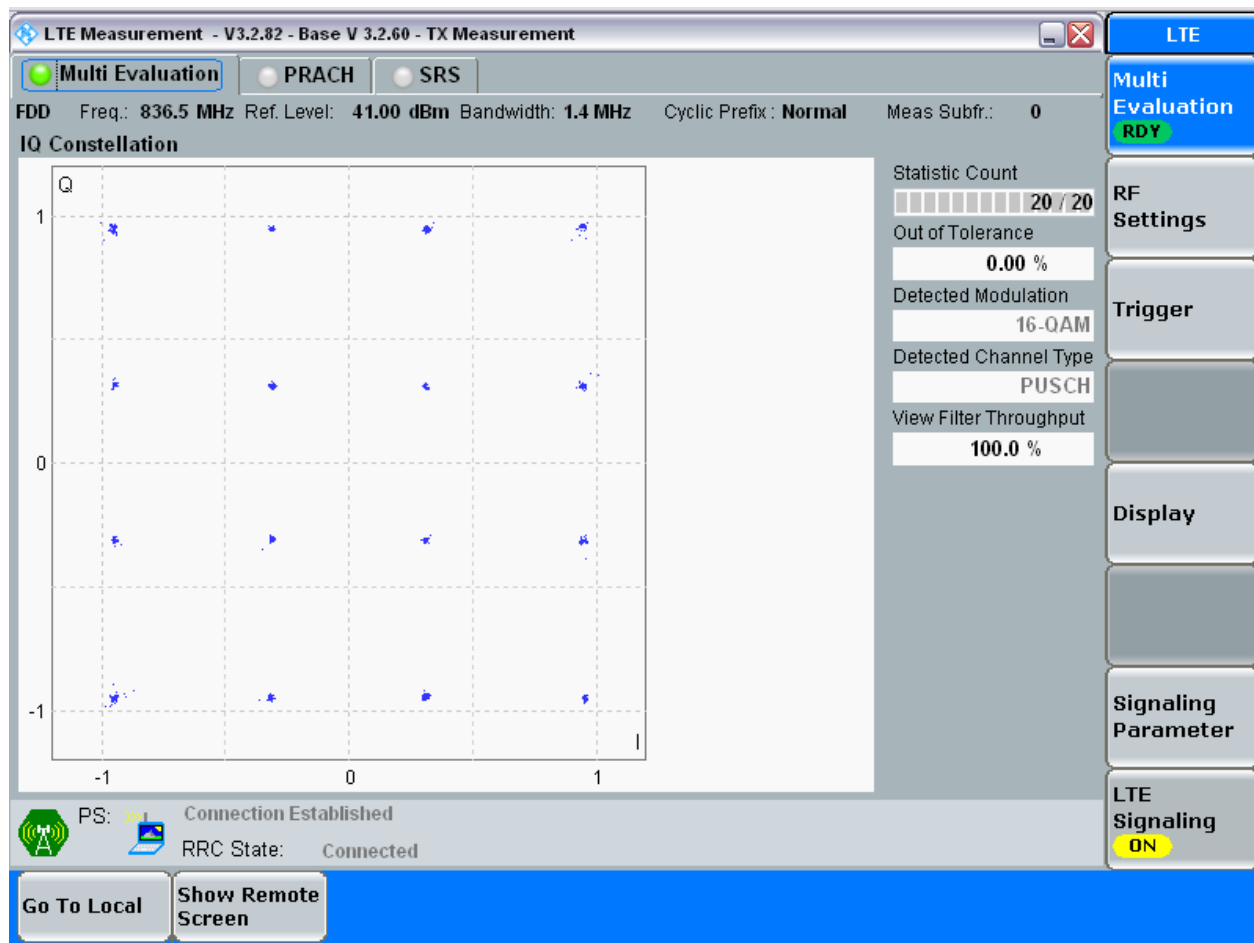


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

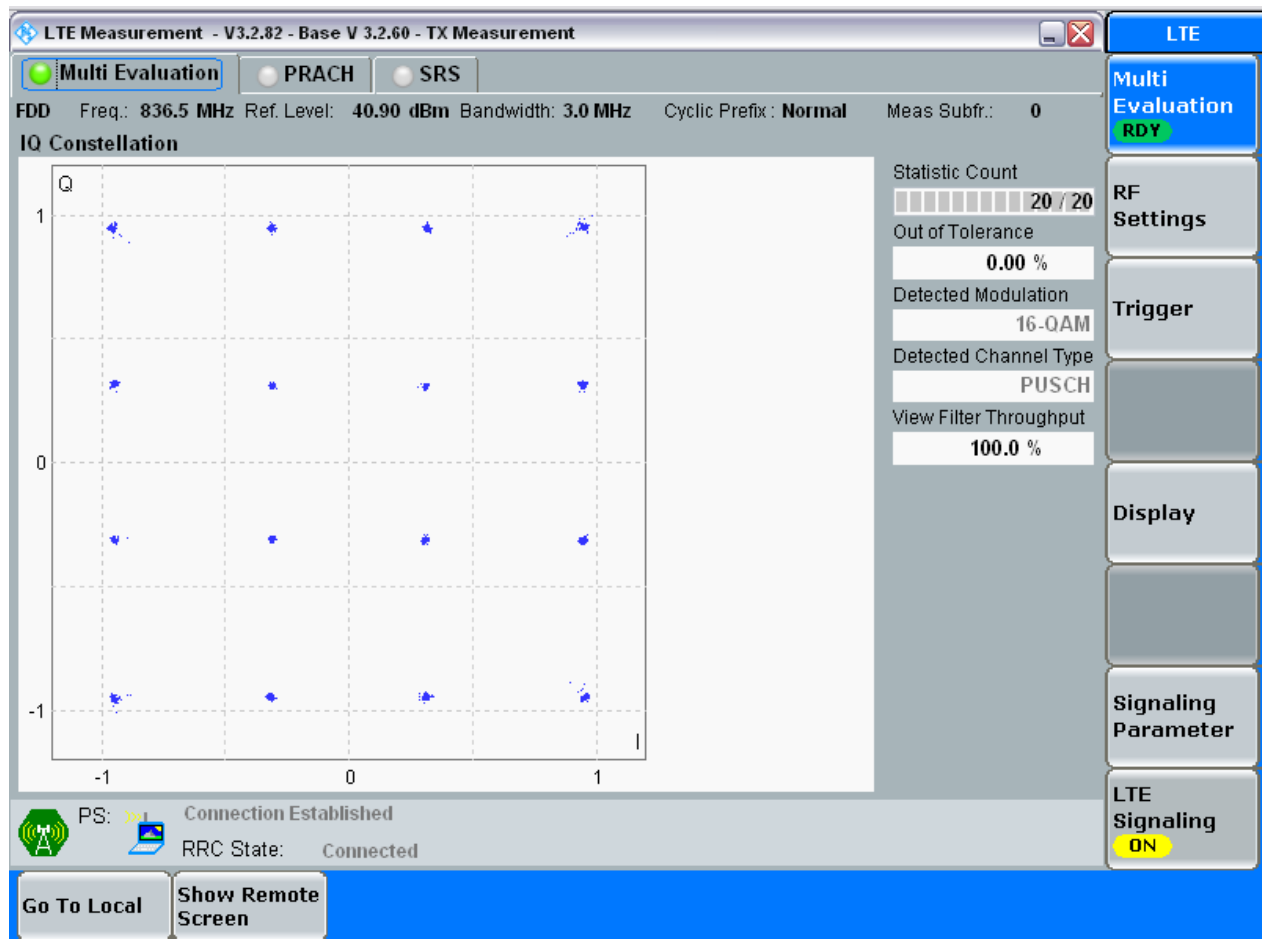
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

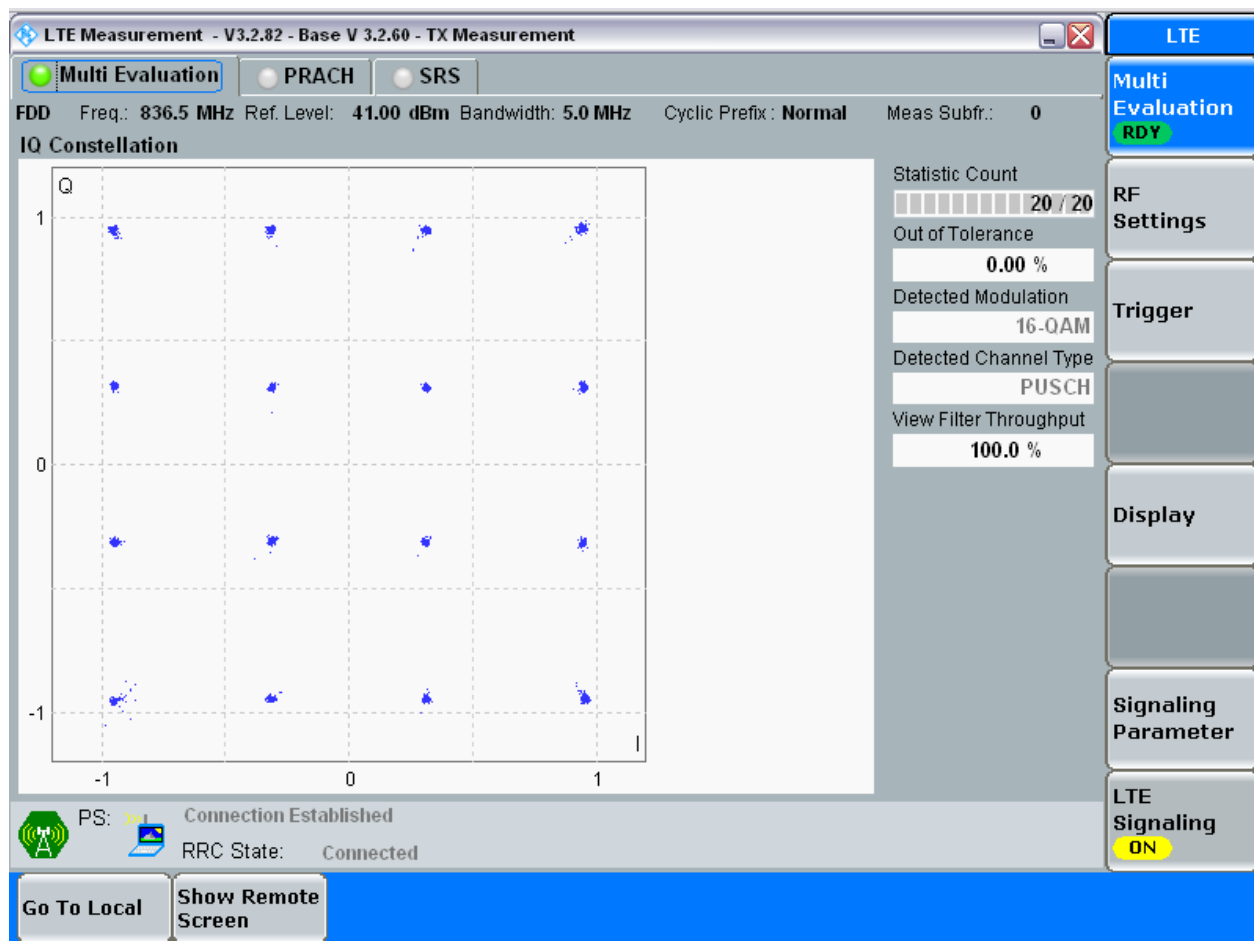
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

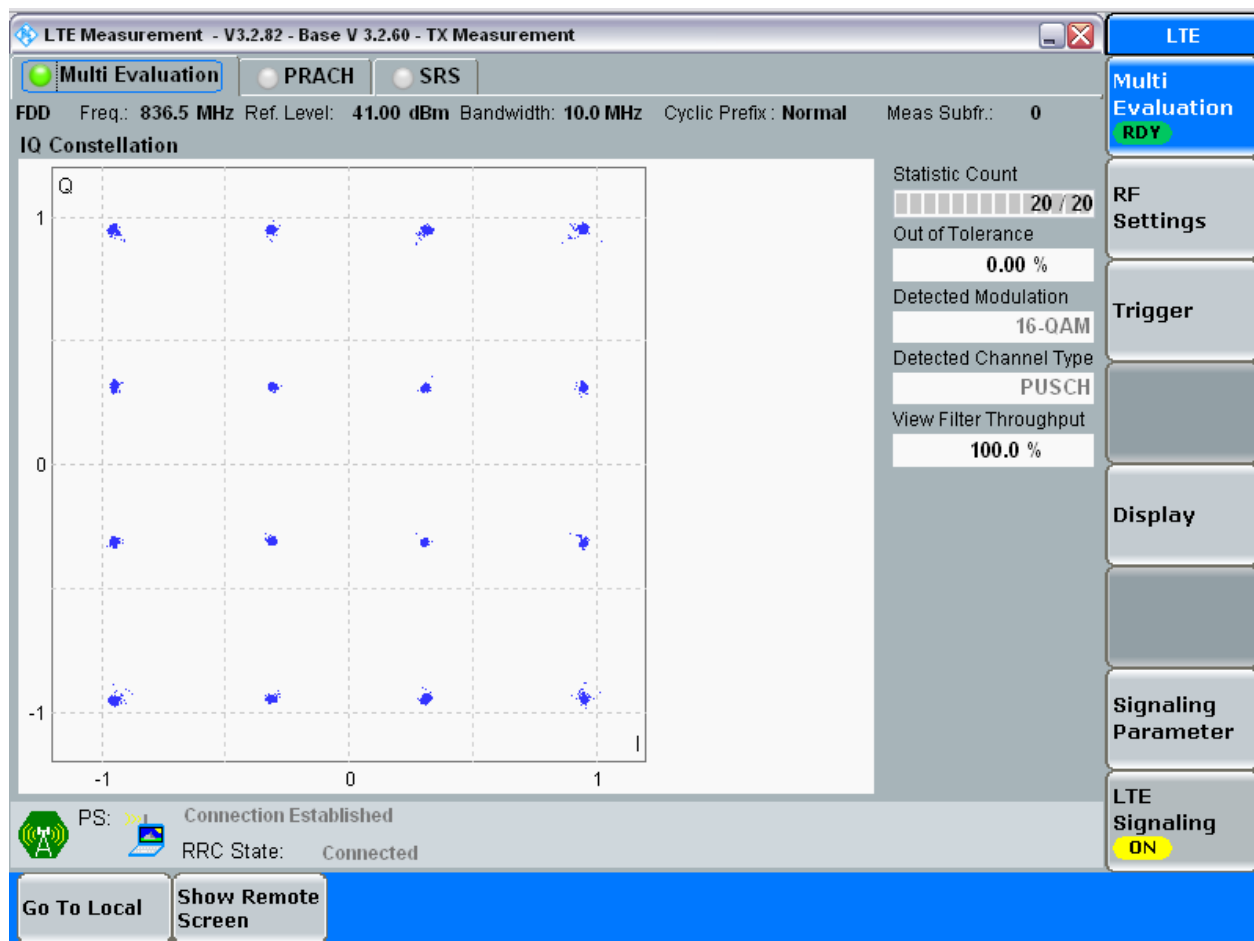
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

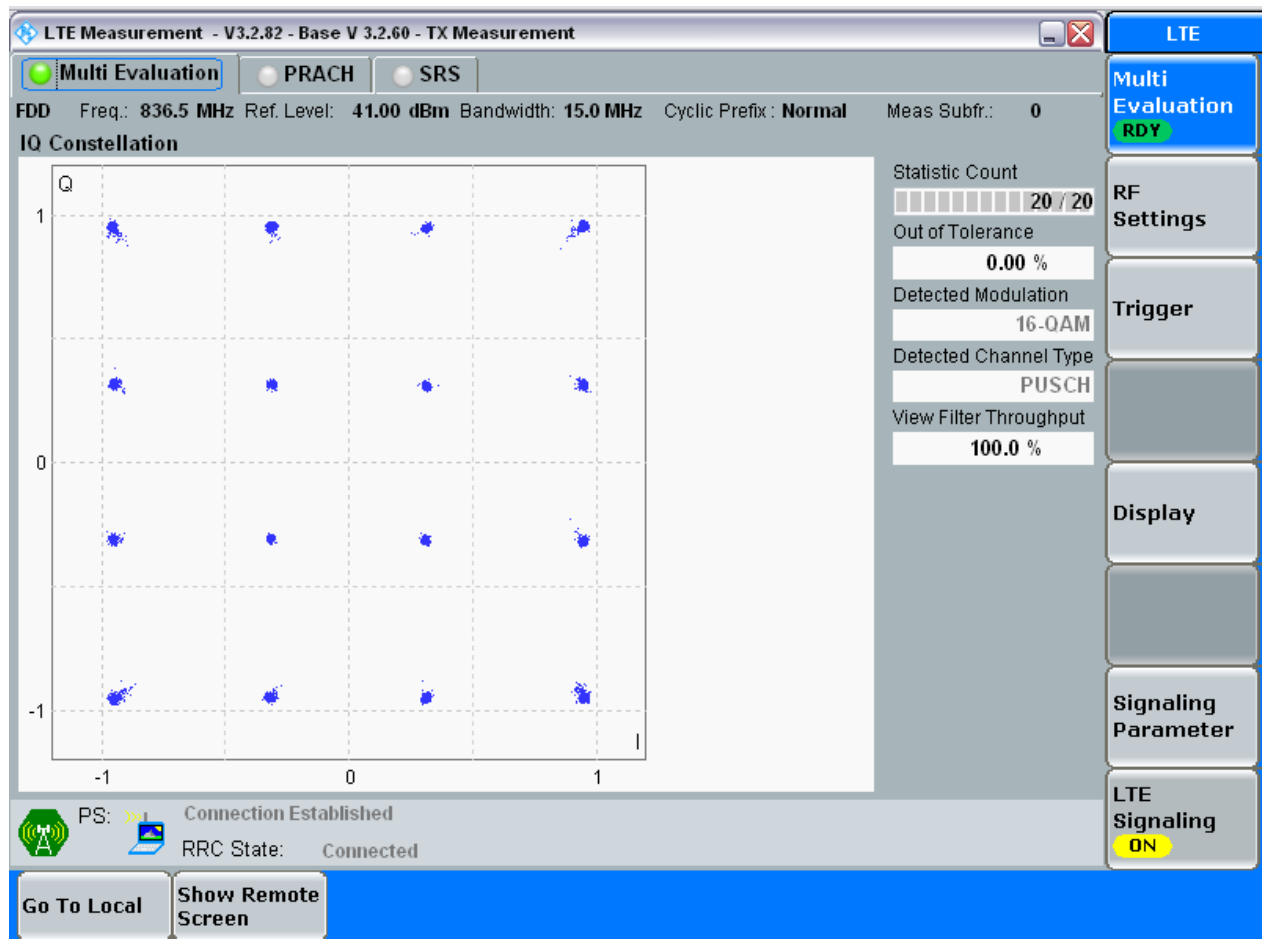
3.1.1.2.4.1.1 Test RB = RB50#0



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



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND26	LTE/TM1	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	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.92	Pass
			HCH	RB15#0	2.70	2.87	Pass
		5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.50	4.85	Pass
			HCH	RB25#0	4.49	4.85	Pass
		10	LCH	RB50#0	9.02	9.65	Pass
			MCH	RB50#0	9.01	9.65	Pass
			HCH	RB50#0	9.00	9.64	Pass
		15	LCH	RB75#0	13.52	14.49	Pass
			MCH	RB75#0	13.48	14.36	Pass
			HCH	RB75#0	13.47	14.39	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	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.71	2.94	Pass
		5	LCH	RB25#0	4.49	4.87	Pass
			MCH	RB25#0	4.49	4.87	Pass
			HCH	RB25#0	4.49	4.86	Pass
		10	LCH	RB50#0	9.01	9.65	Pass
			MCH	RB50#0	9.00	9.62	Pass
			HCH	RB50#0	9.01	9.63	Pass
		15	LCH	RB75#0	13.51	14.47	Pass
			MCH	RB75#0	13.49	14.33	Pass
			HCH	RB75#0	13.47	14.36	Pass

Part II - Test Plots

4.1 For LTE

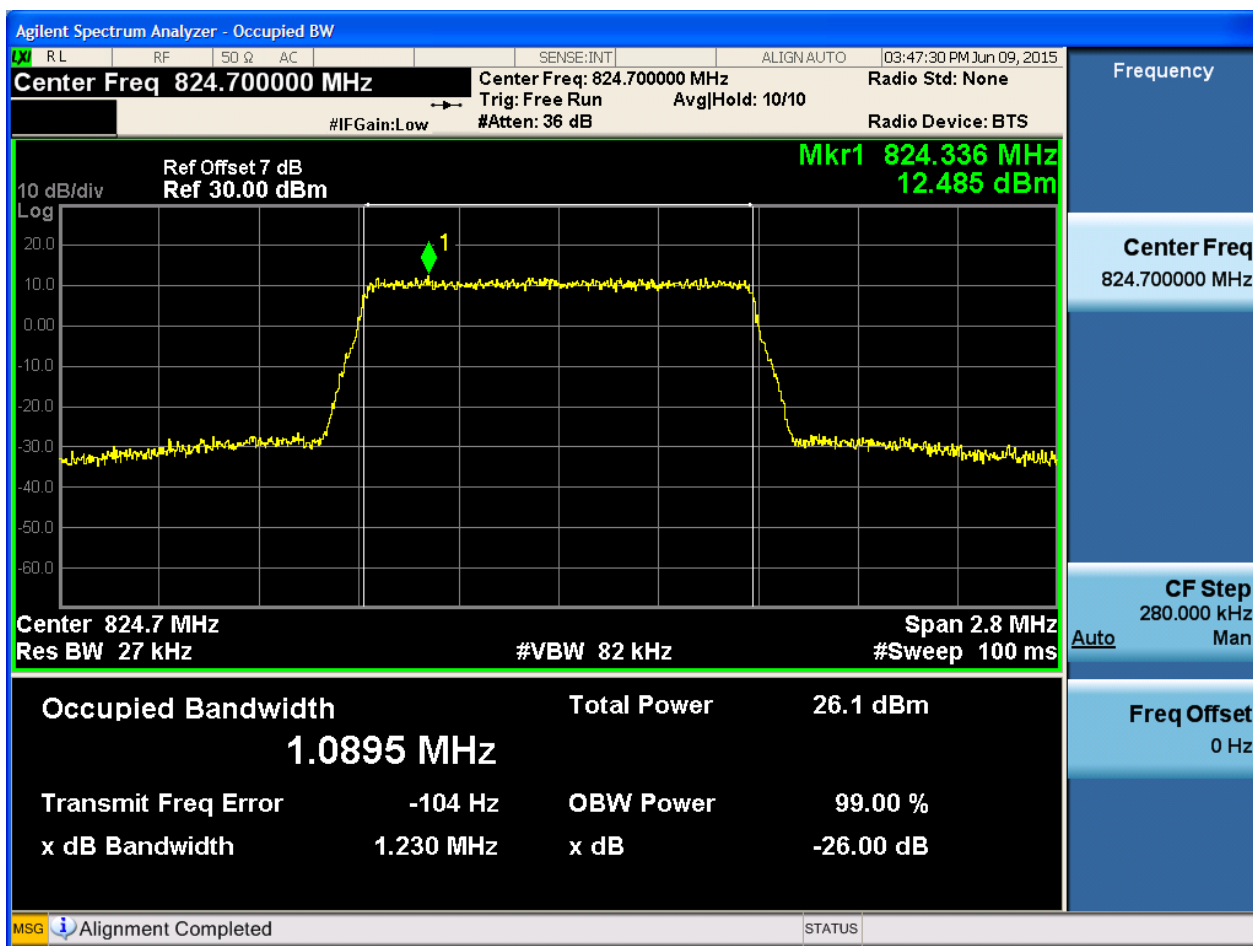
4.1.1 Test Band = BAND26

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

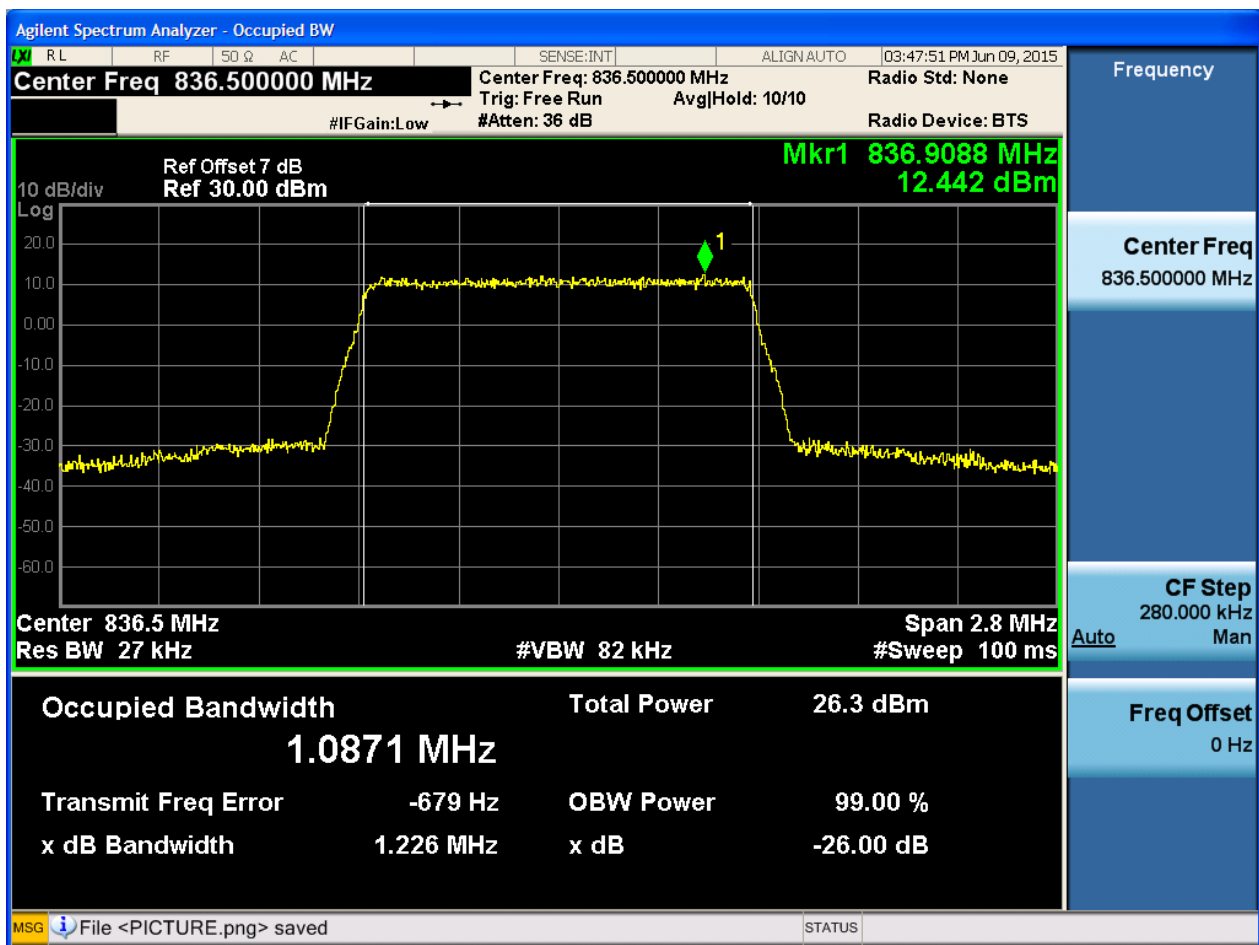
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

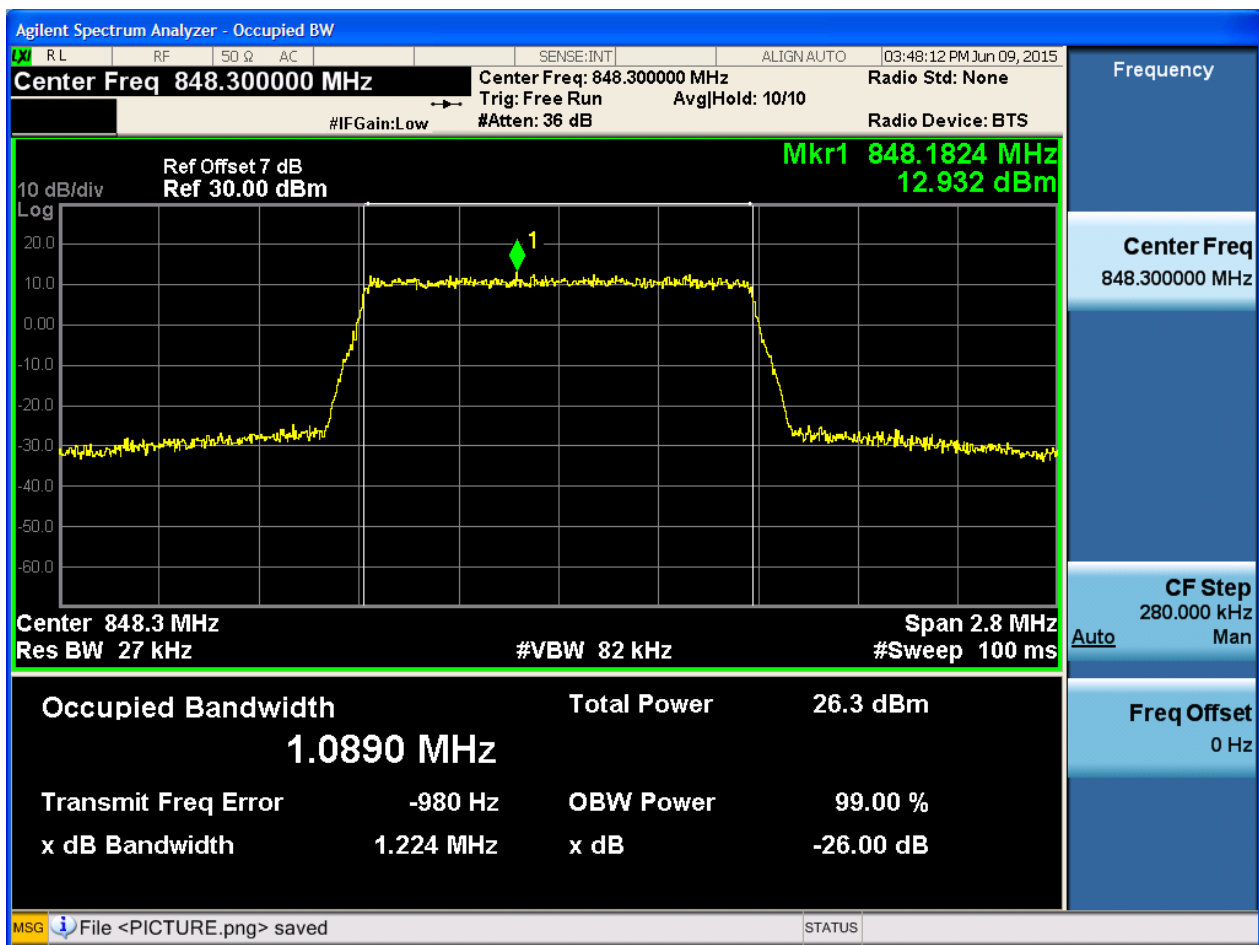
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

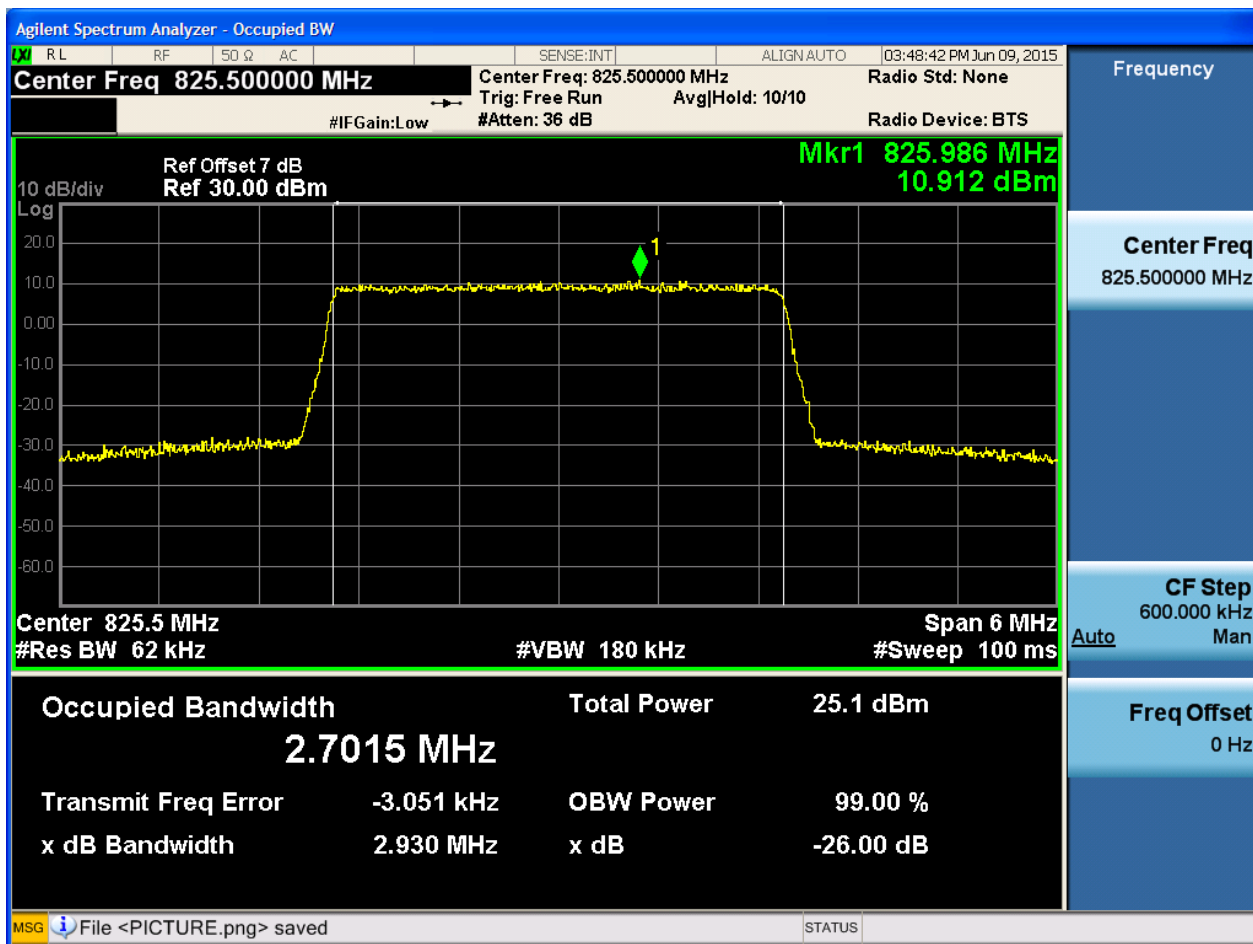




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

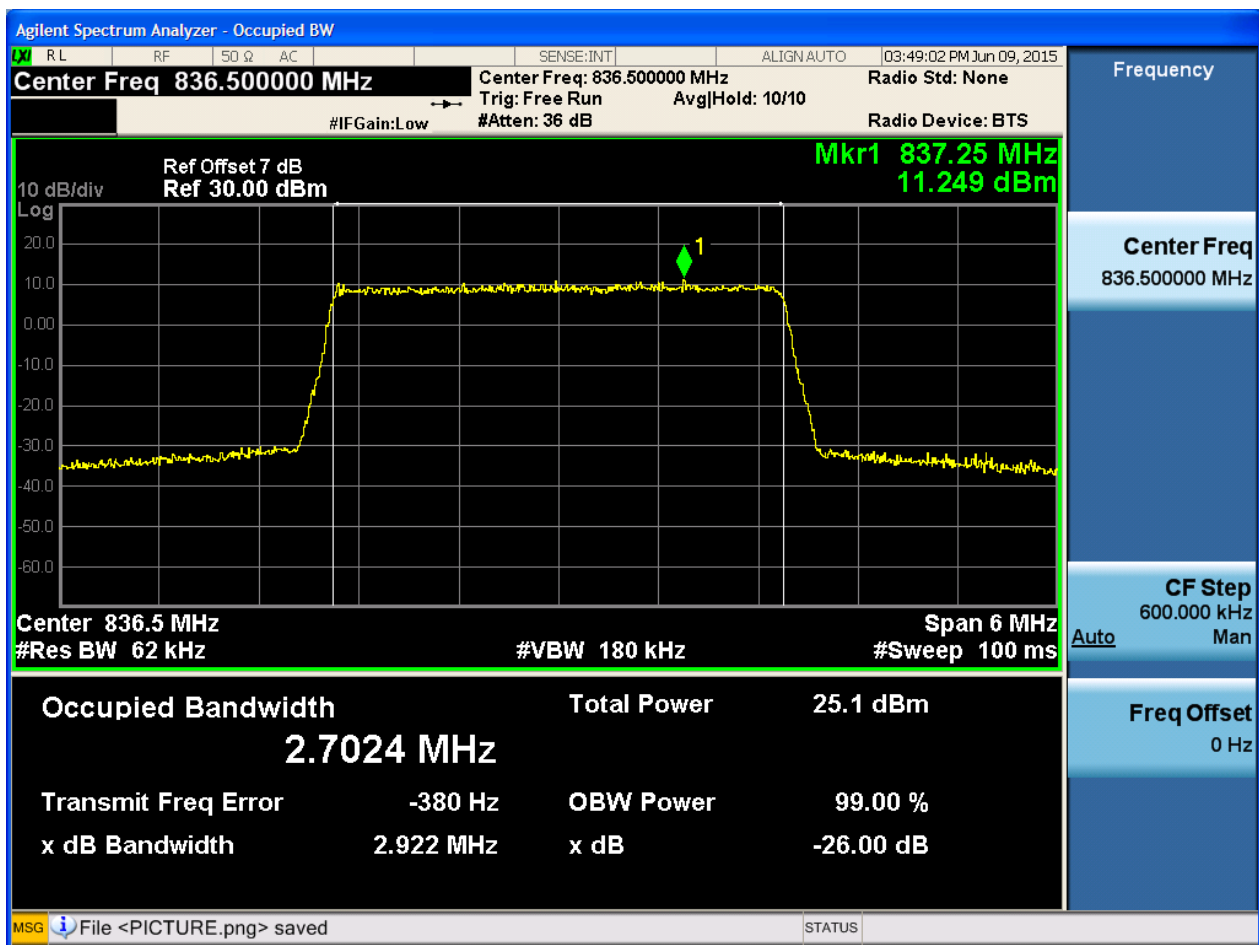
4.1.1.1.2.1.1 Test RB = RB15#0





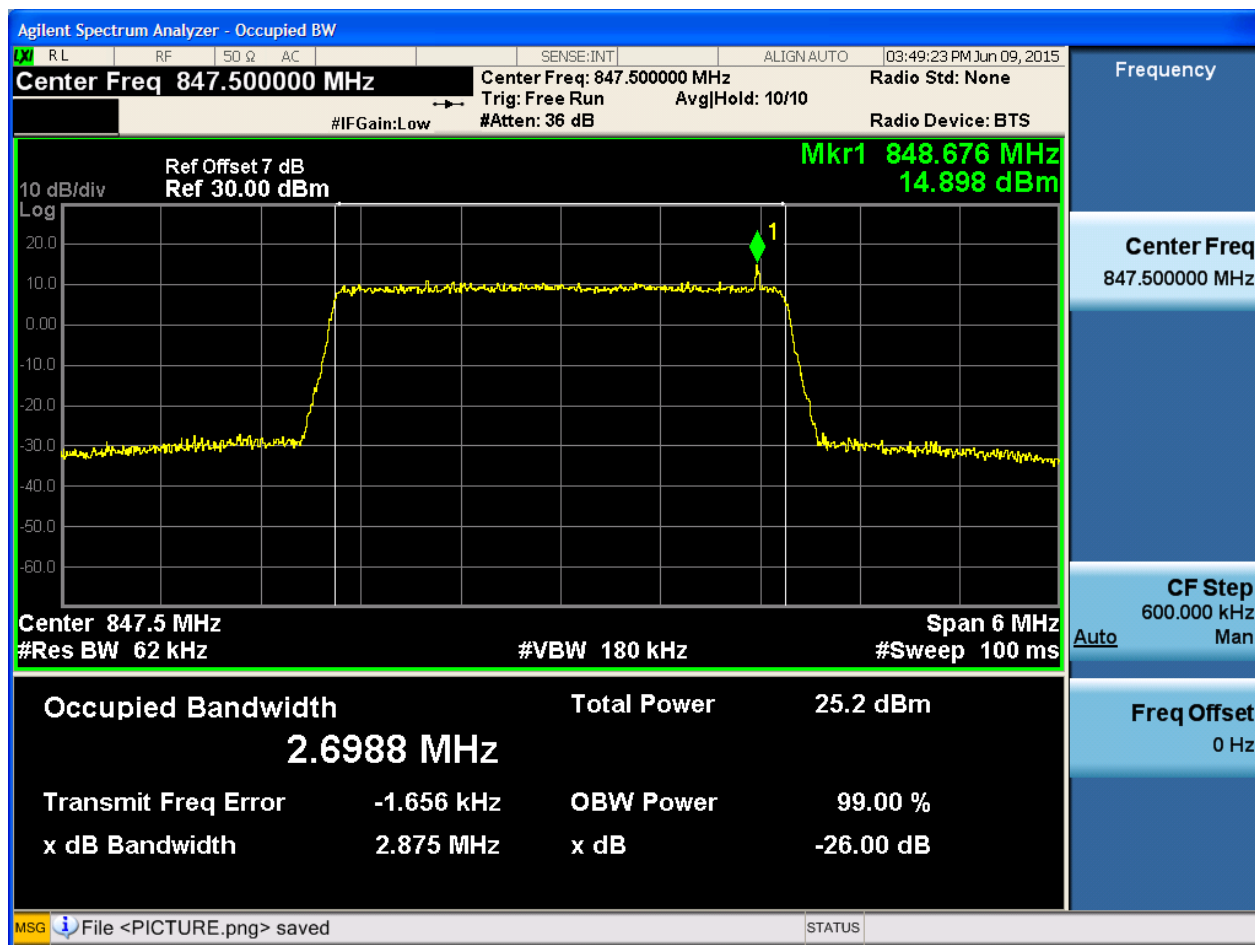
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0



4.1.1.1.2.3 Test Channel = HCH

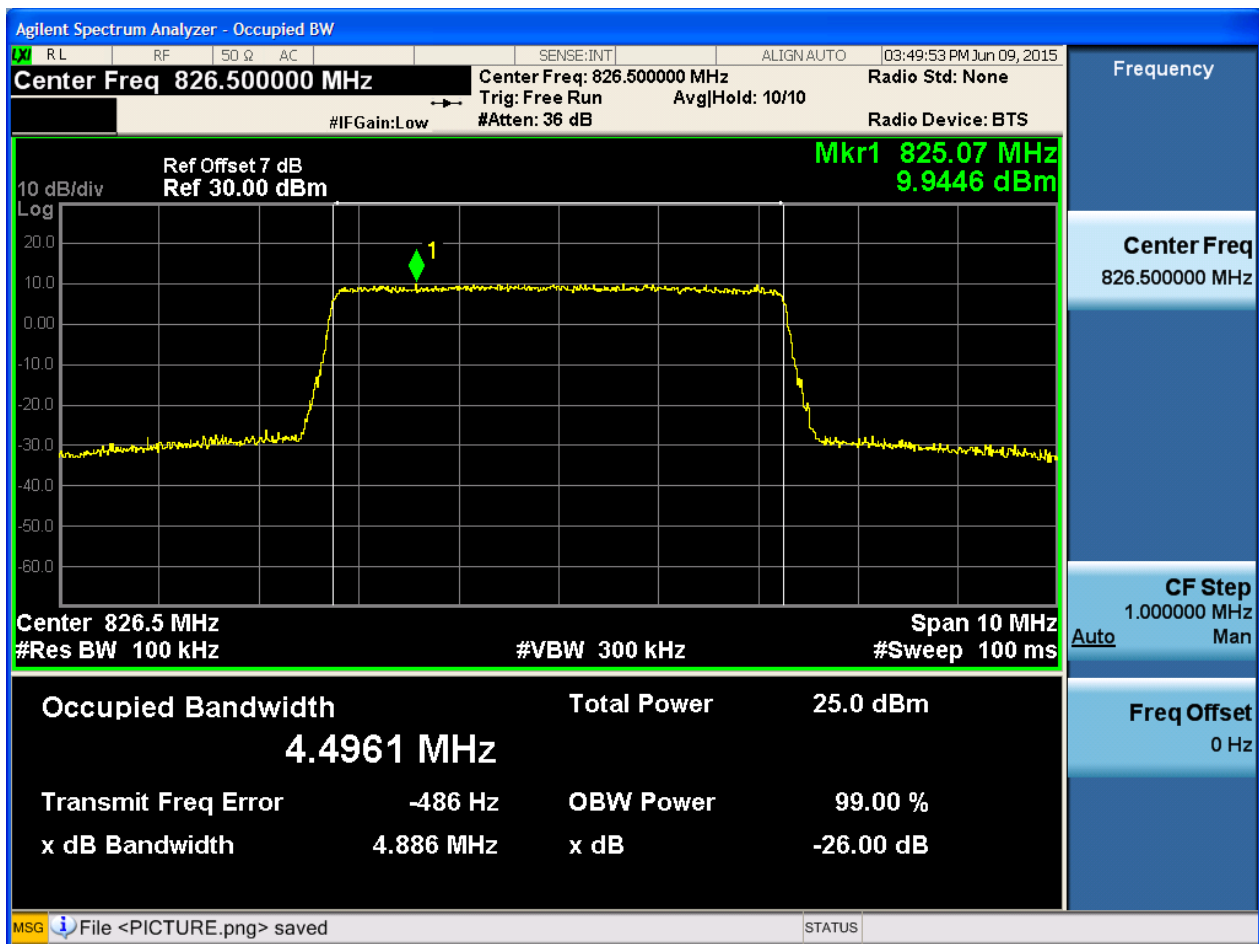
4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

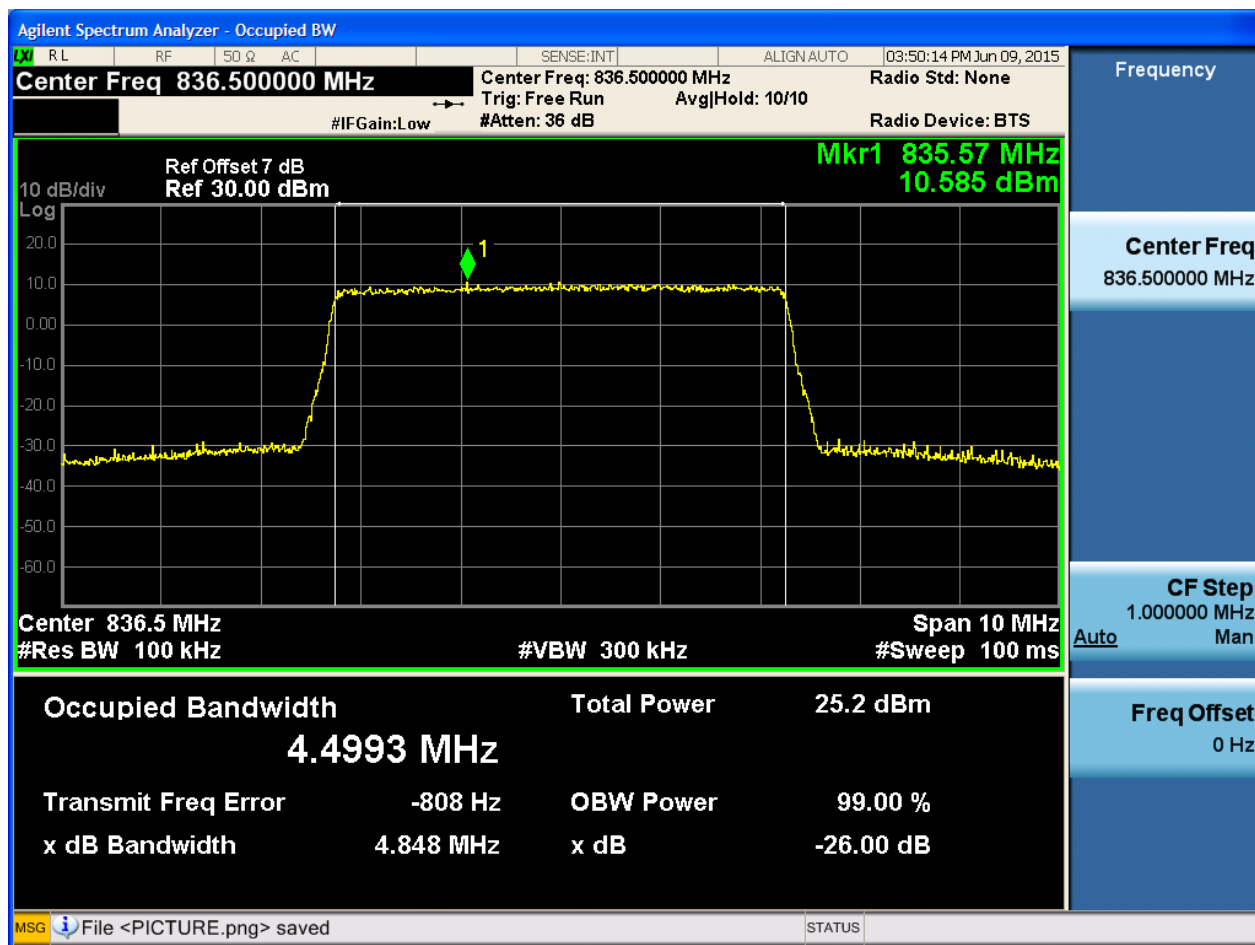
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



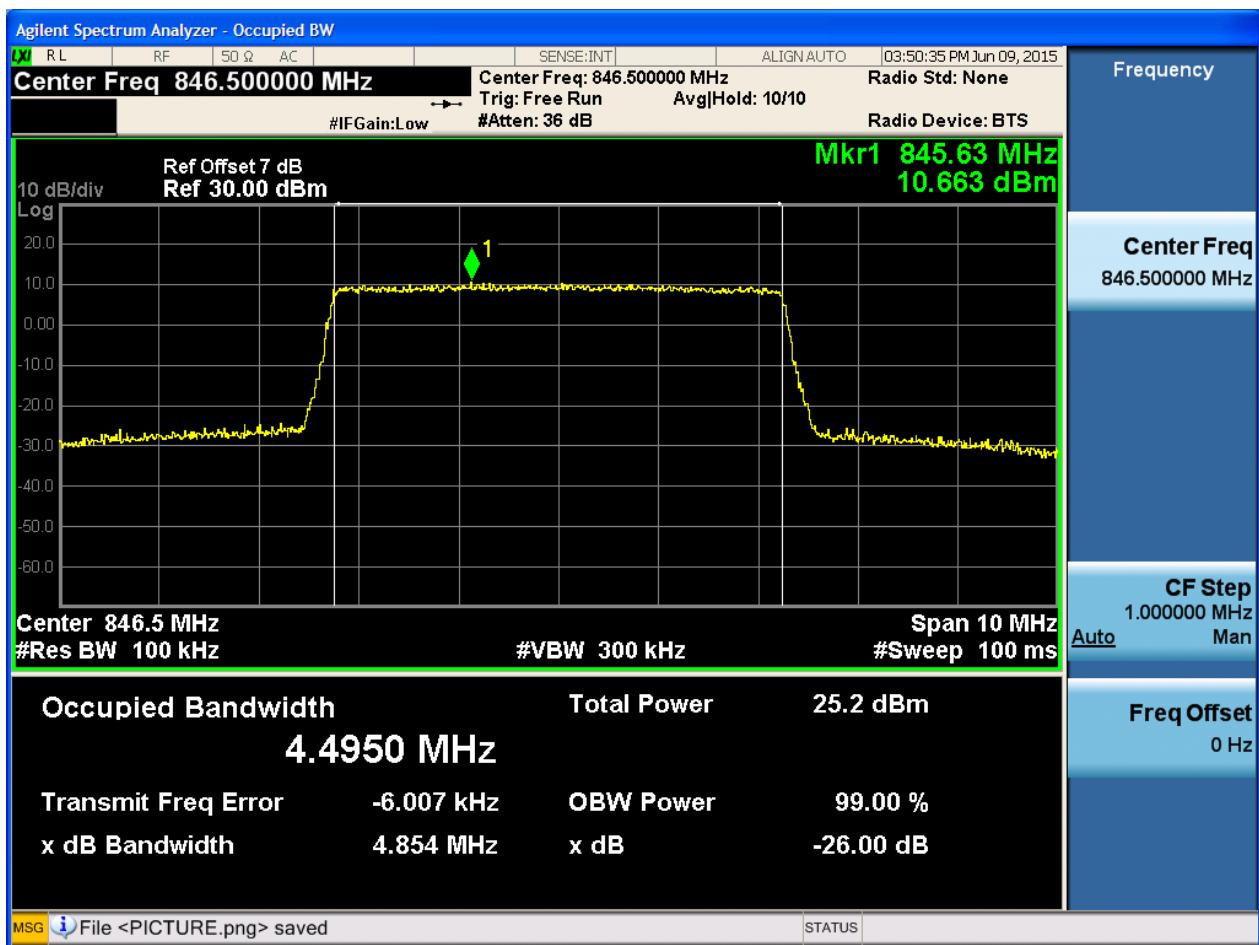
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

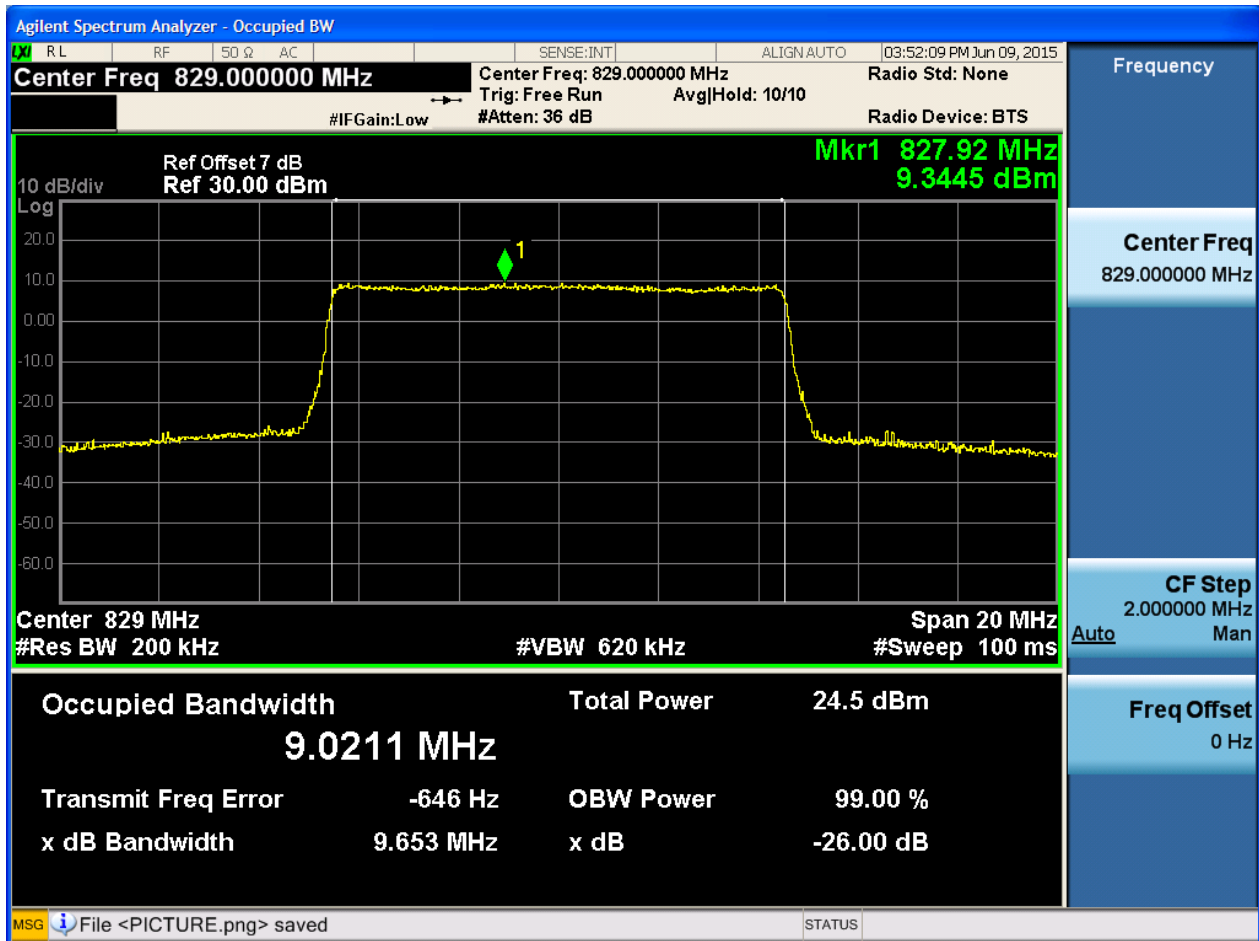
4.1.1.1.3.3.1 Test RB = RB25#0



4.1.1.1.4 Test Bandwidth = 10

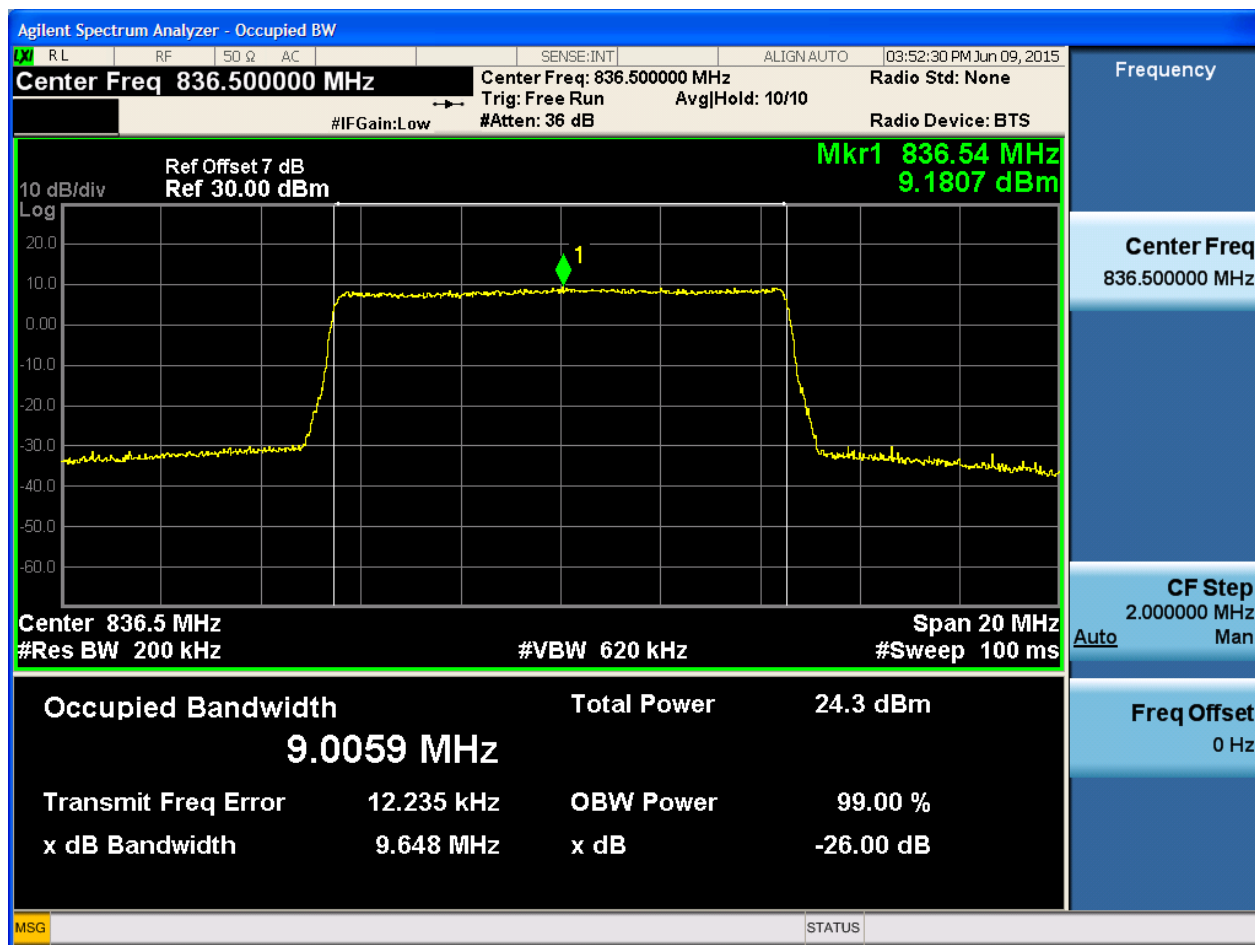
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



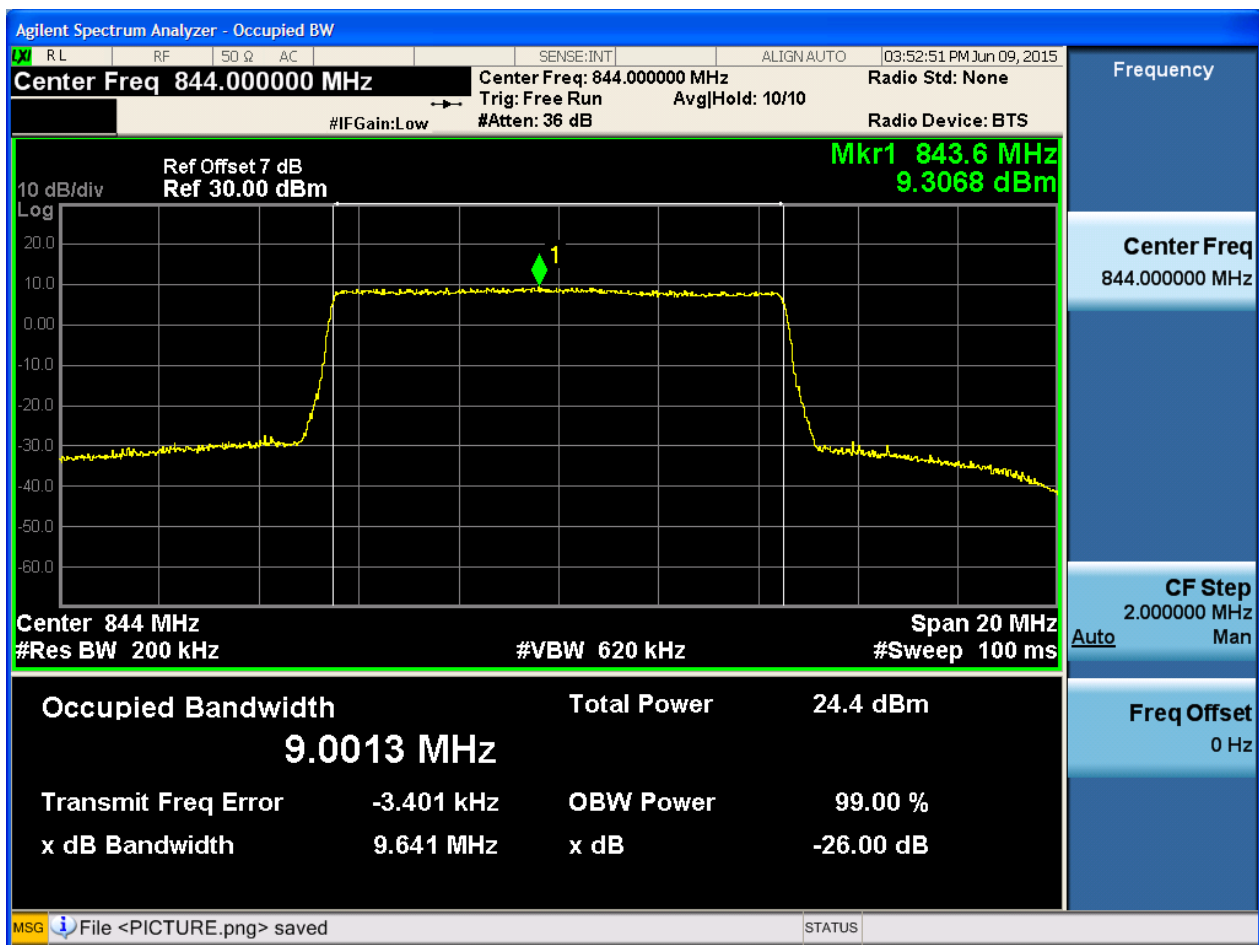
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0



4.1.1.1.4.3 Test Channel = HCH

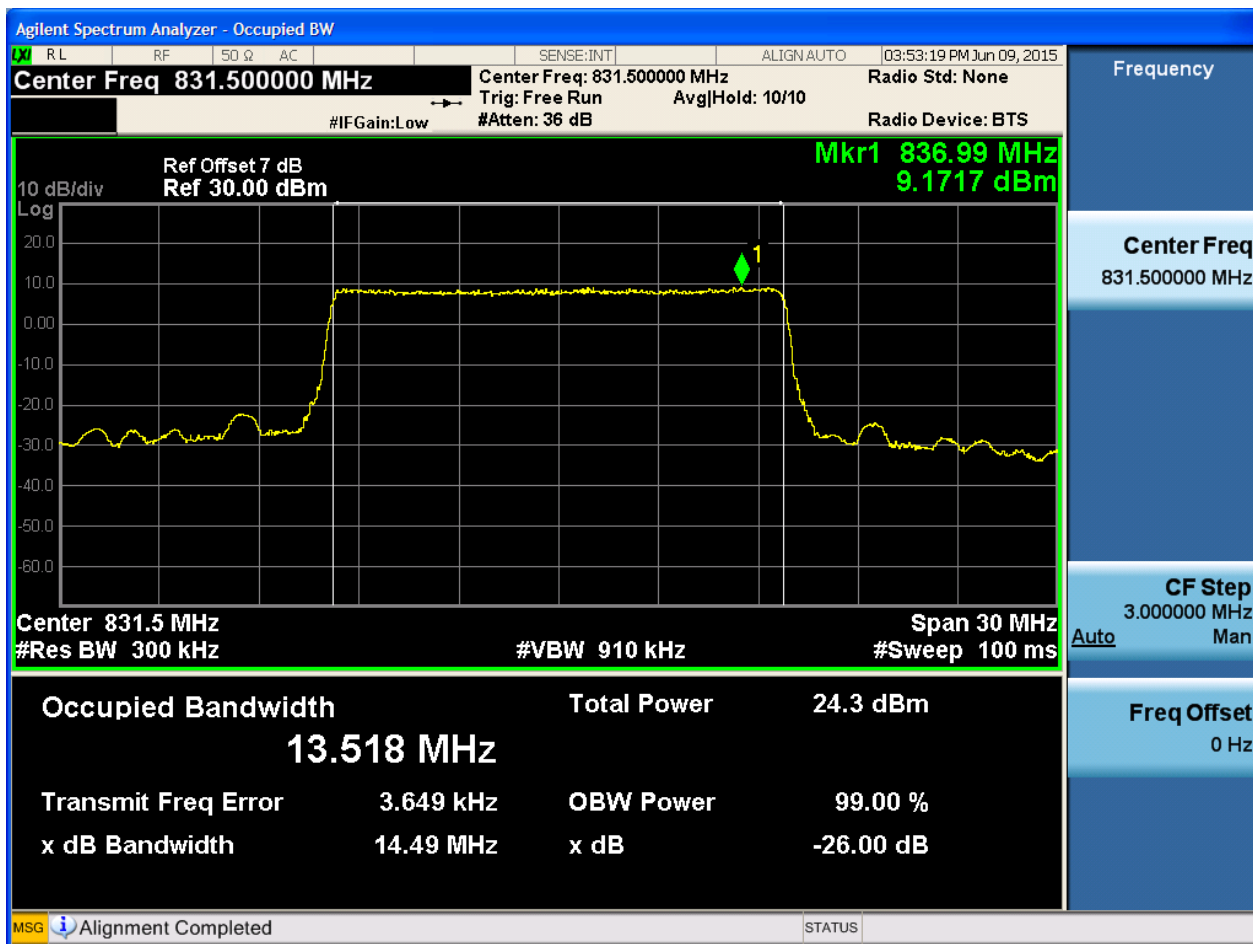
4.1.1.1.4.3.1 Test RB = RB50#0



4.1.1.1.5 Test Bandwidth = 15

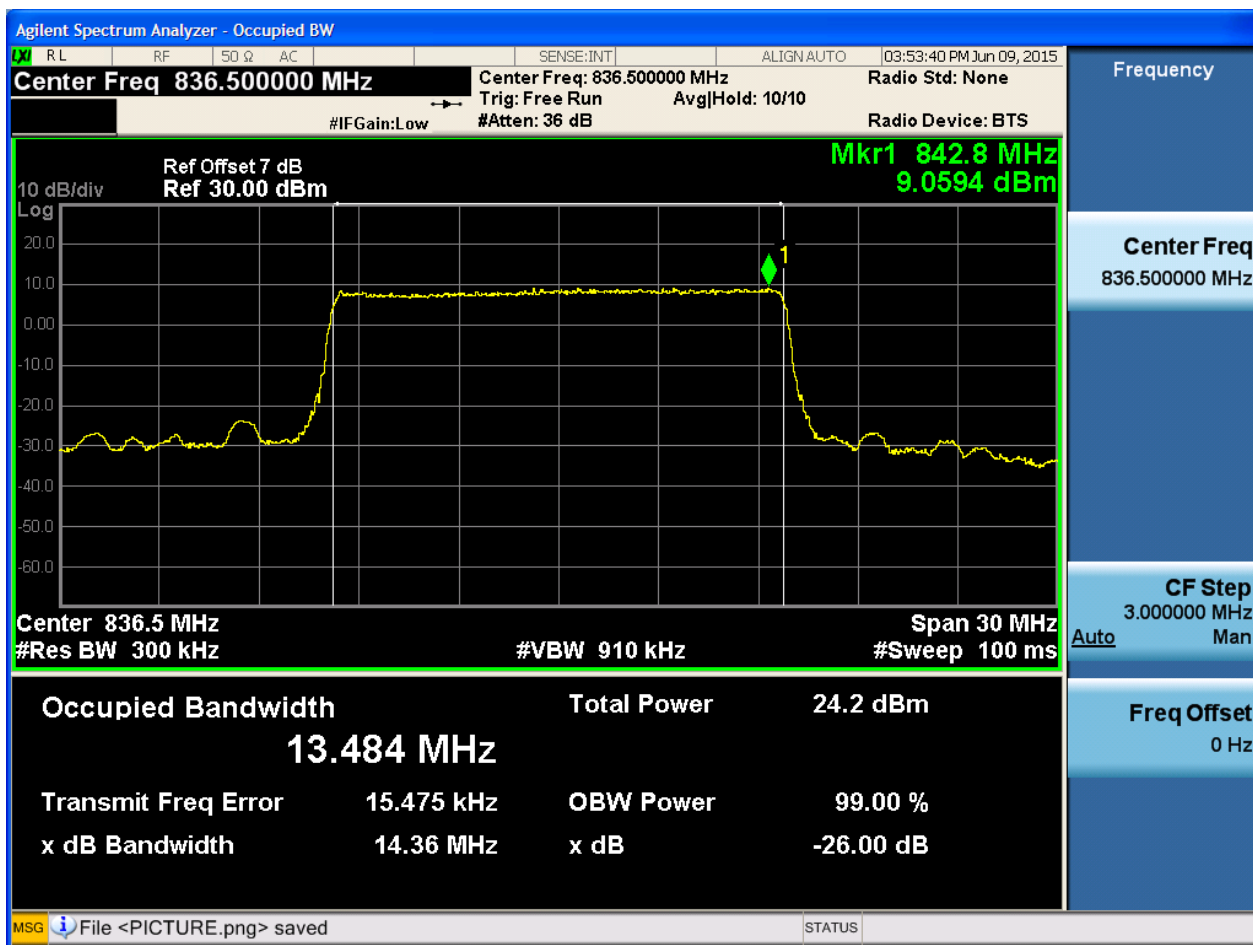
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



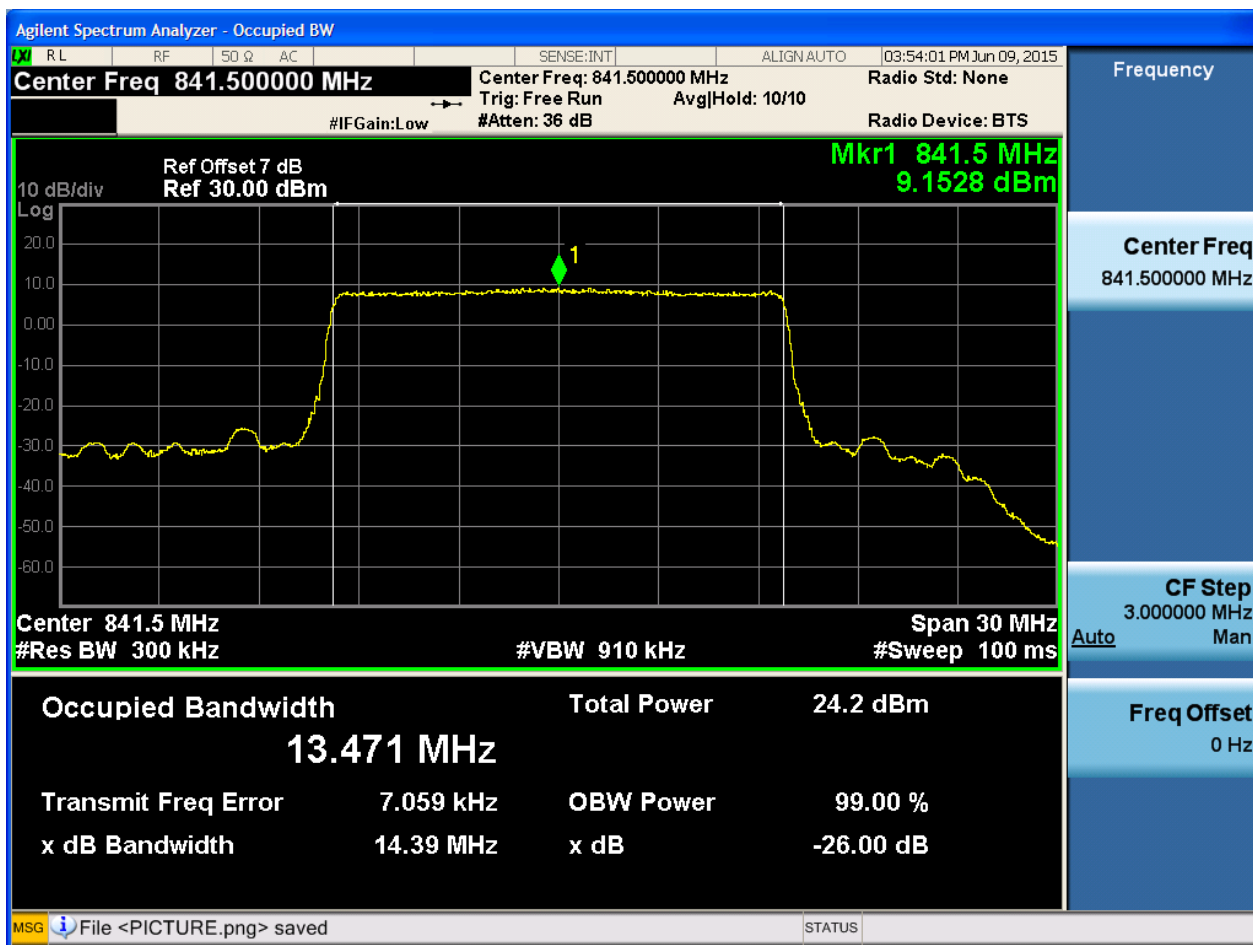
4.1.1.1.5.2 Test Channel = MCH

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

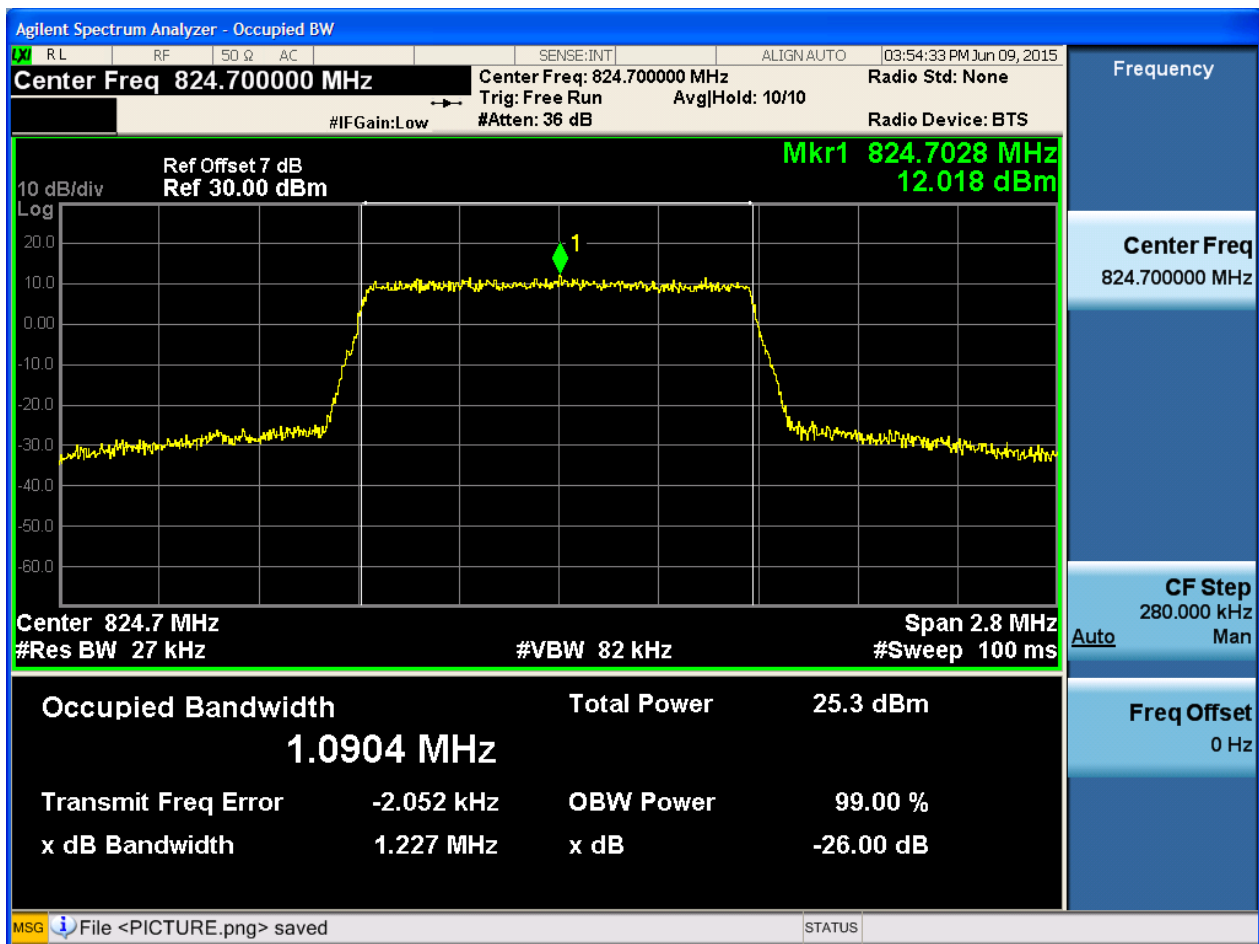


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

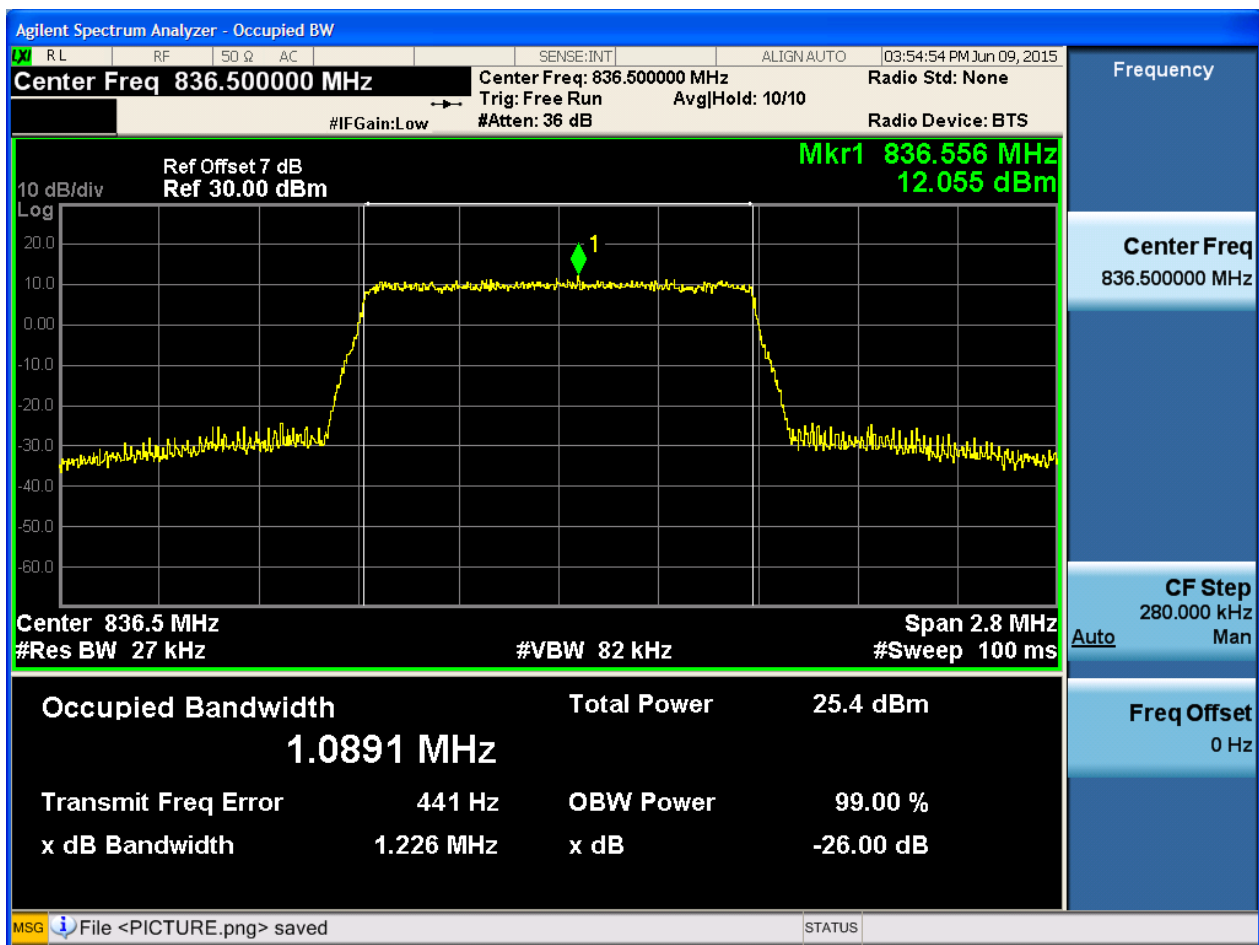
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

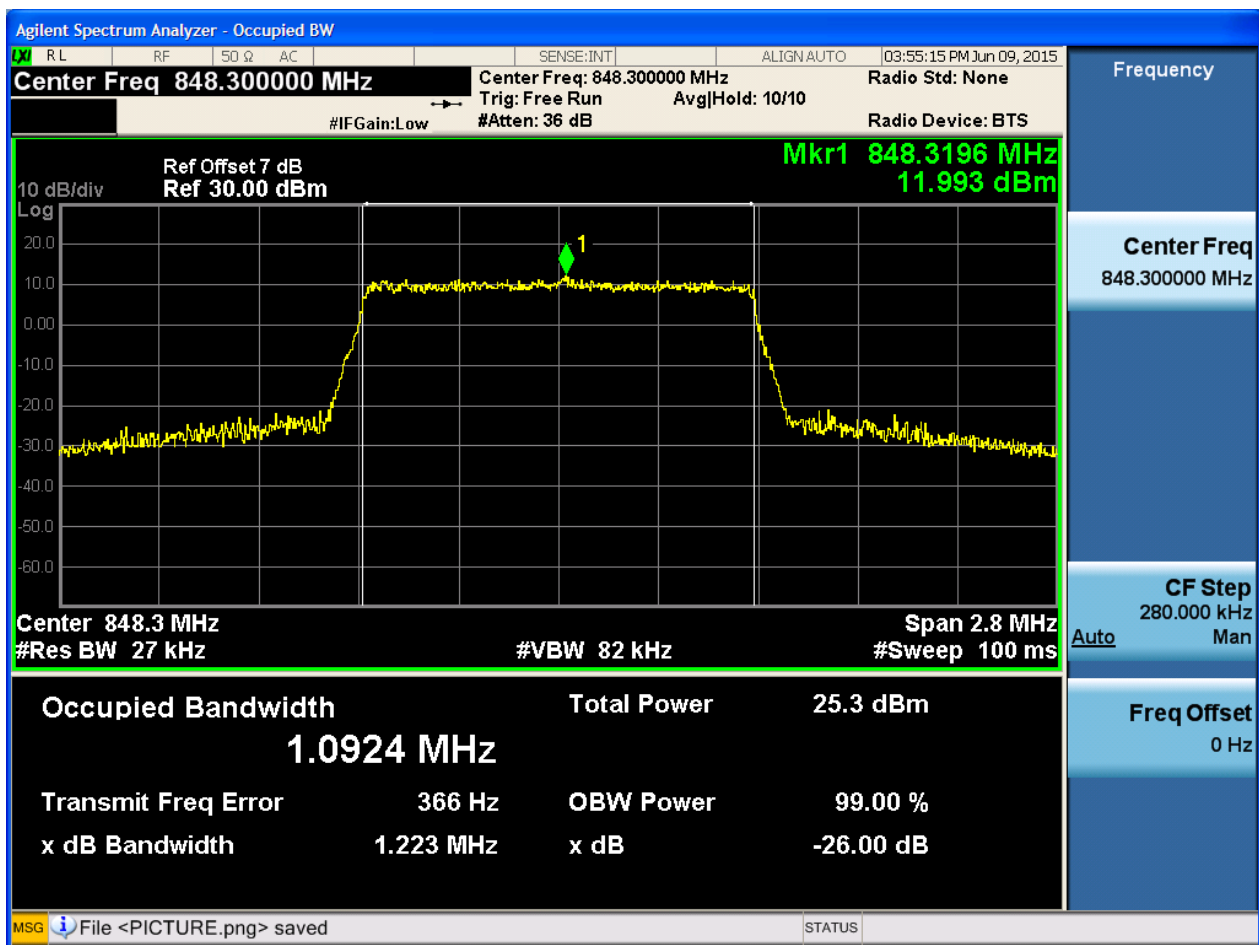
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

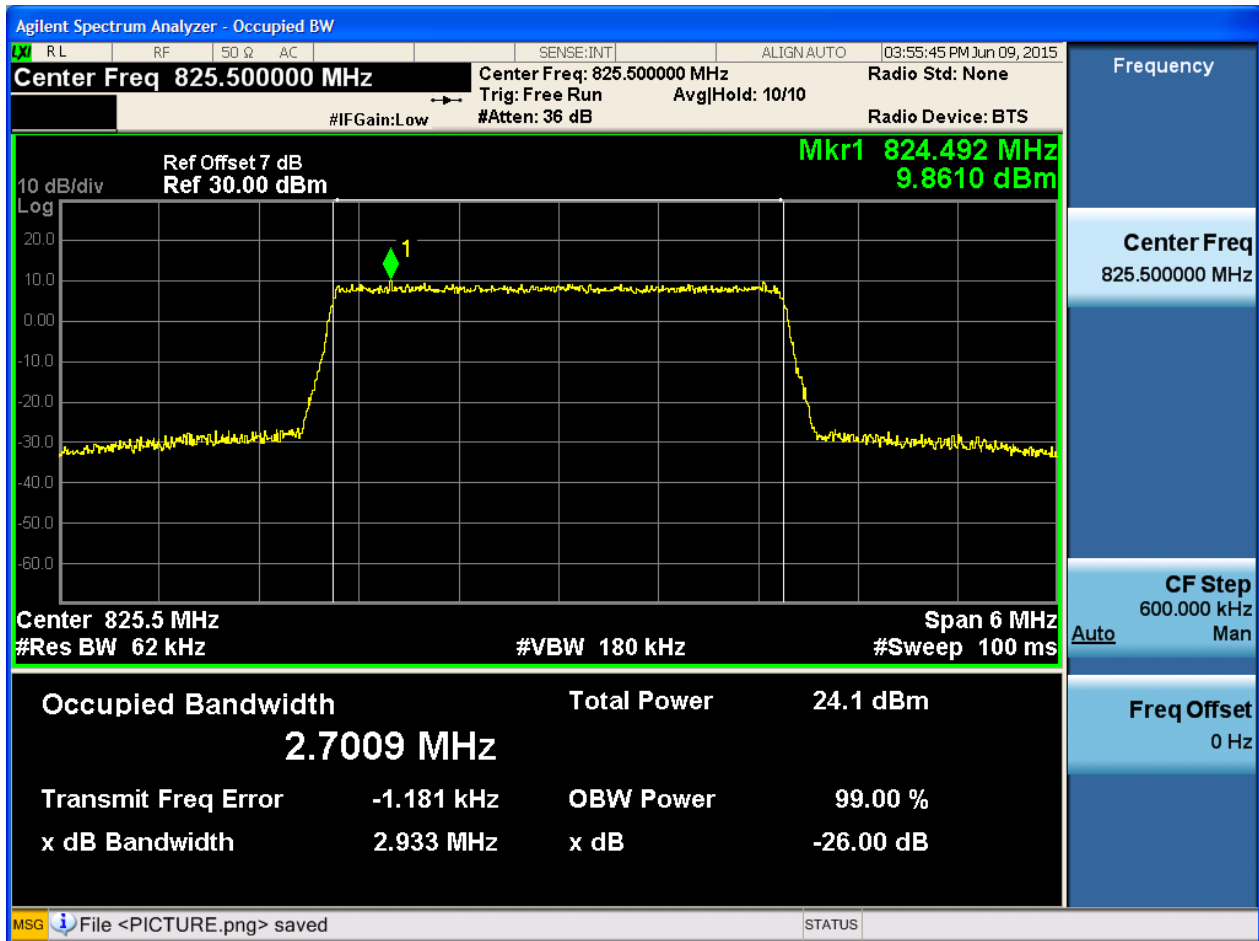




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

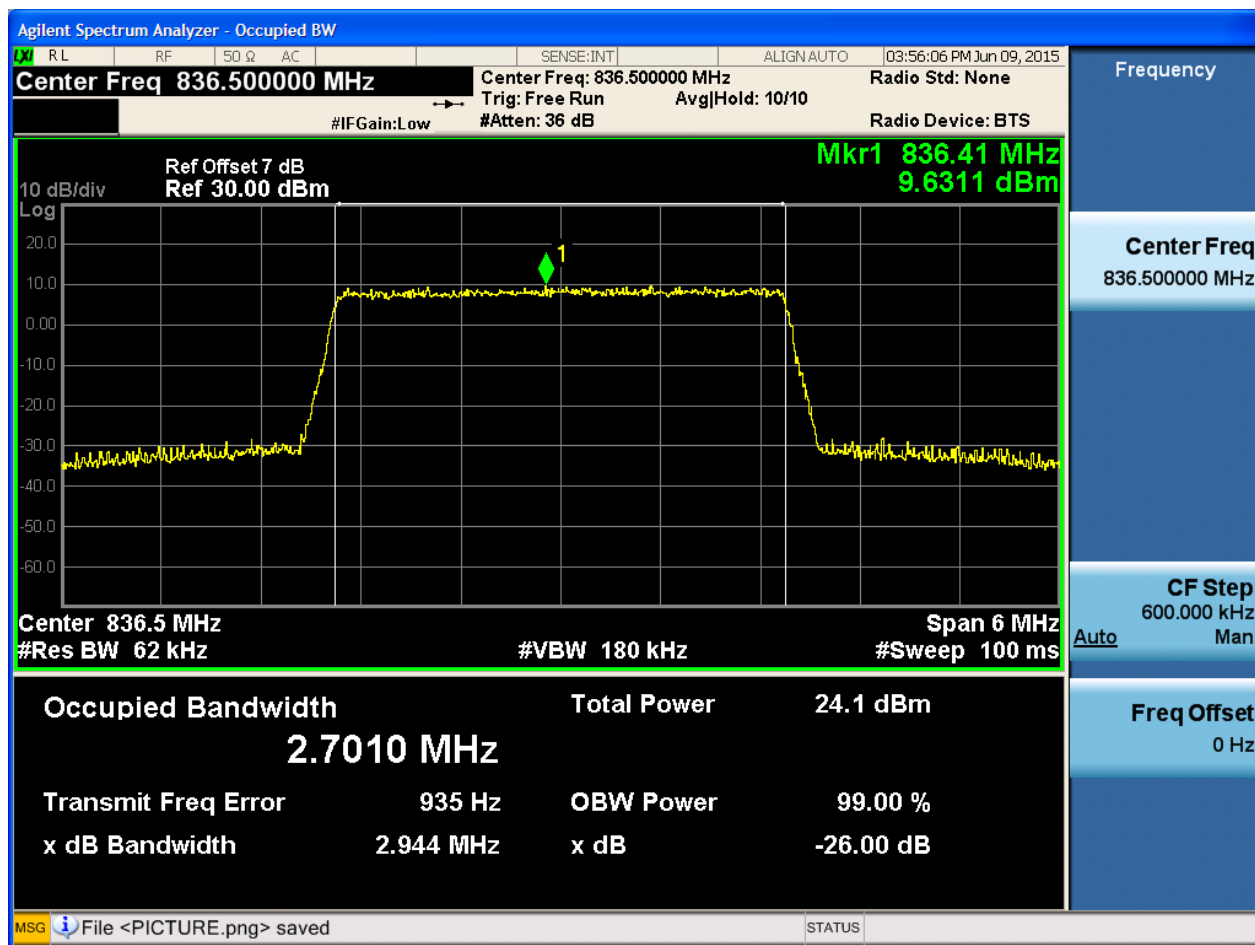
4.1.1.2.2.1.1 Test RB = RB15#0





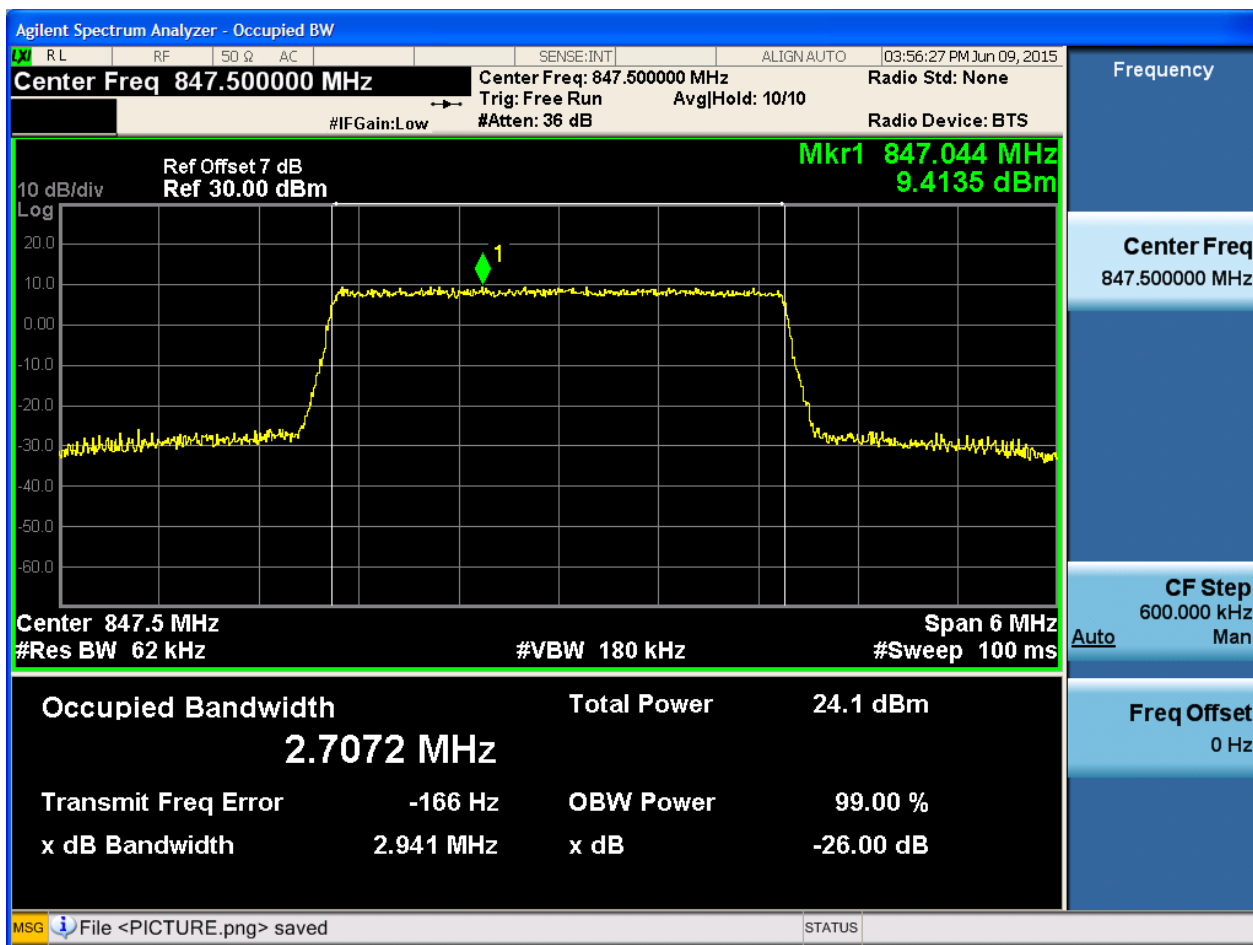
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

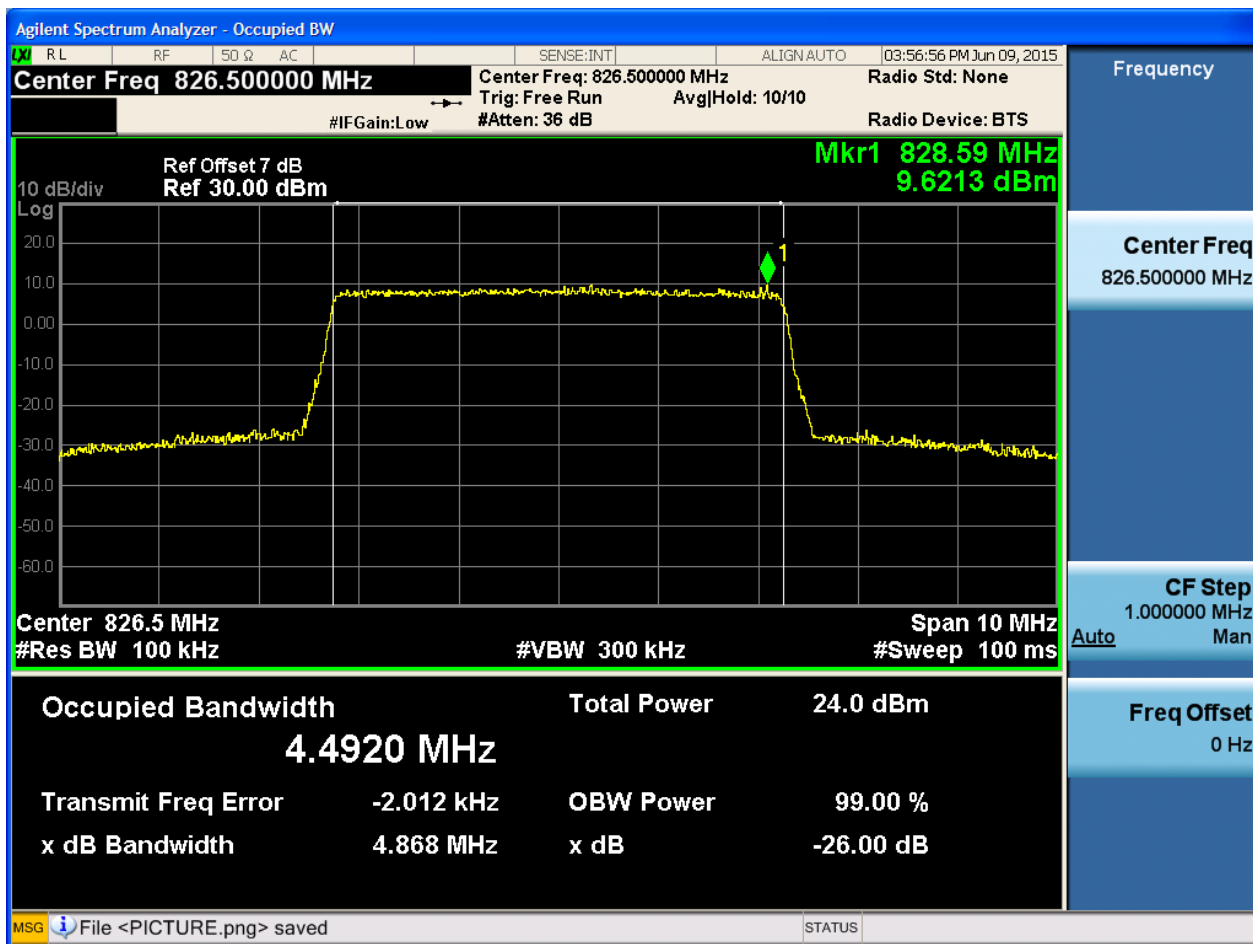
4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

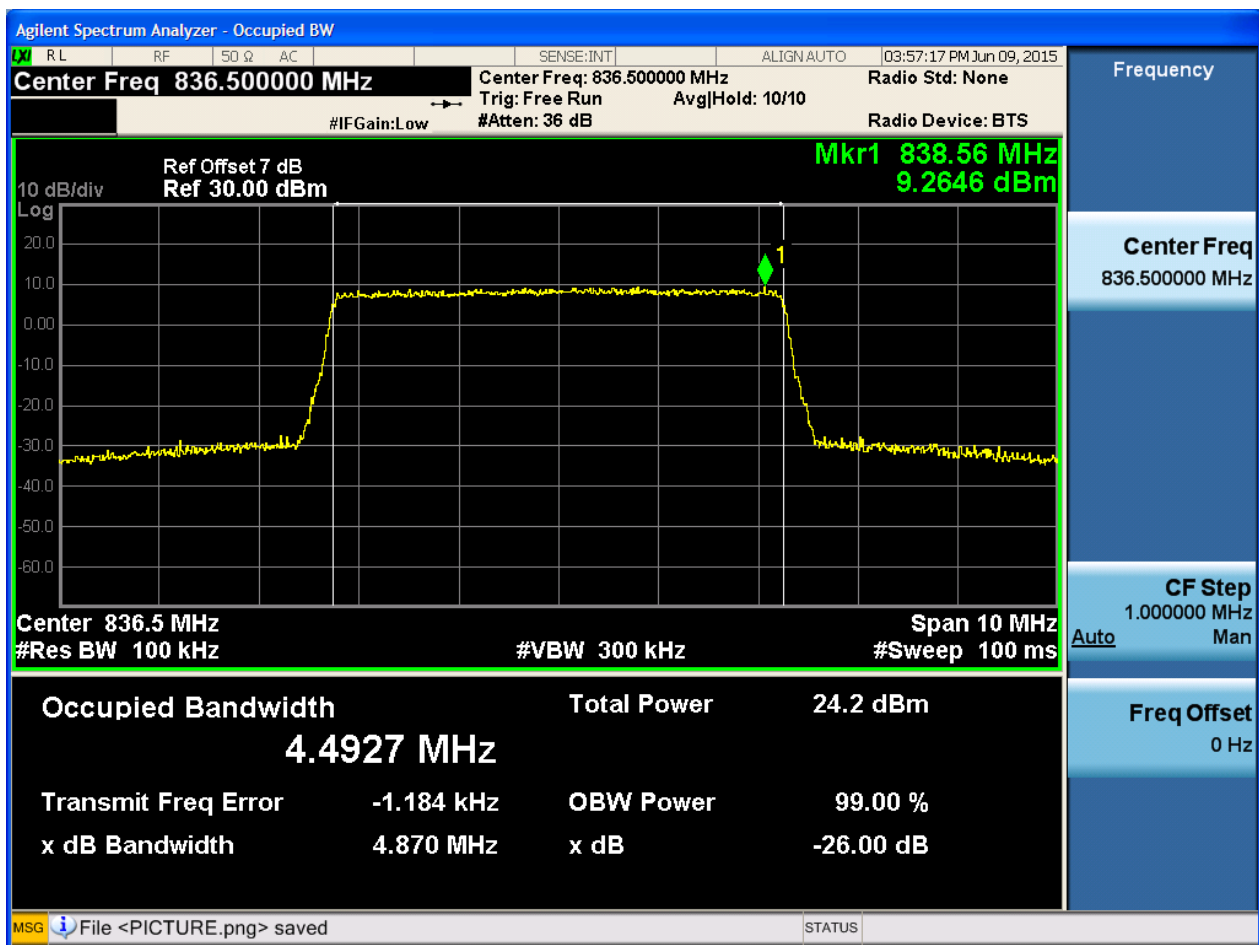
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

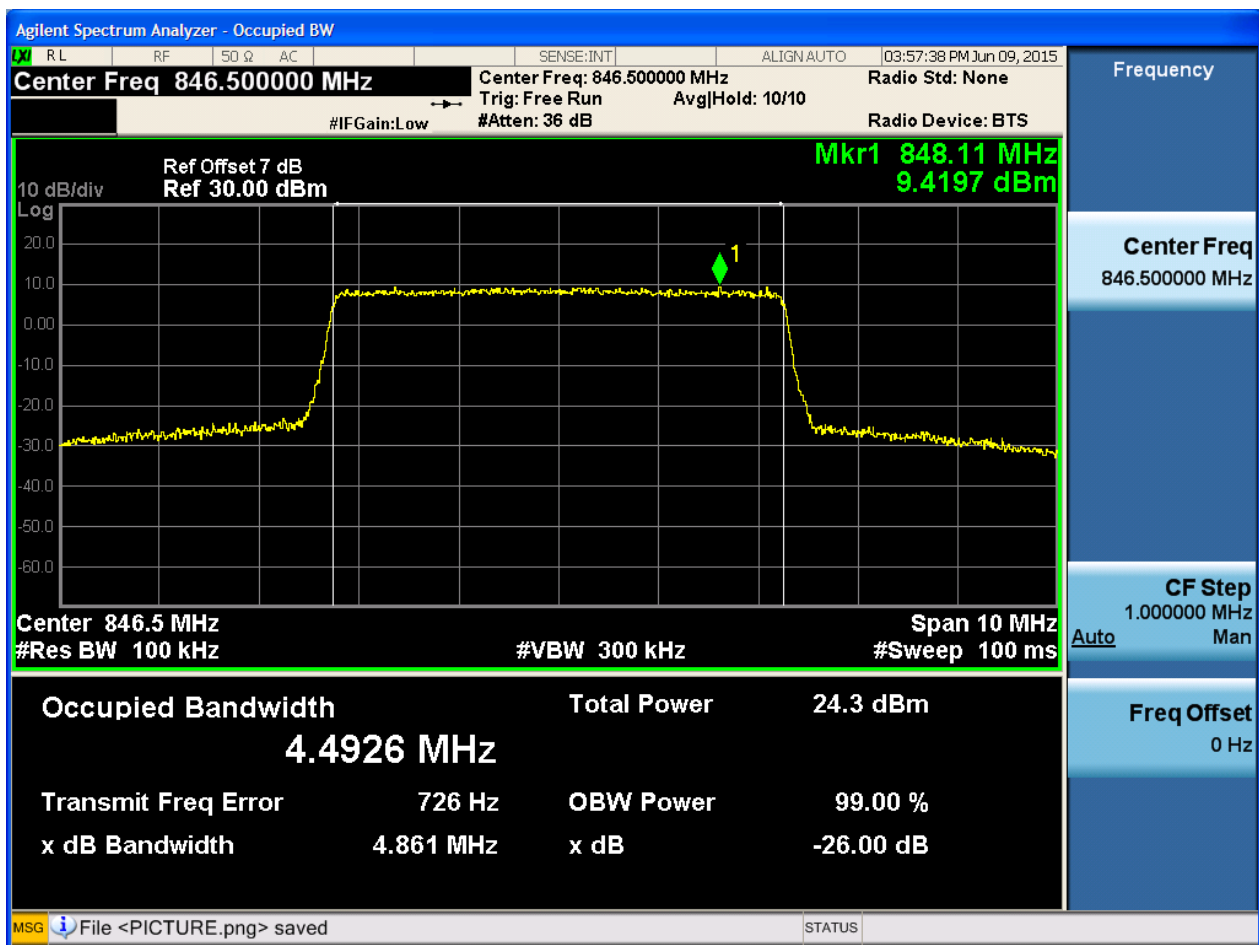
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

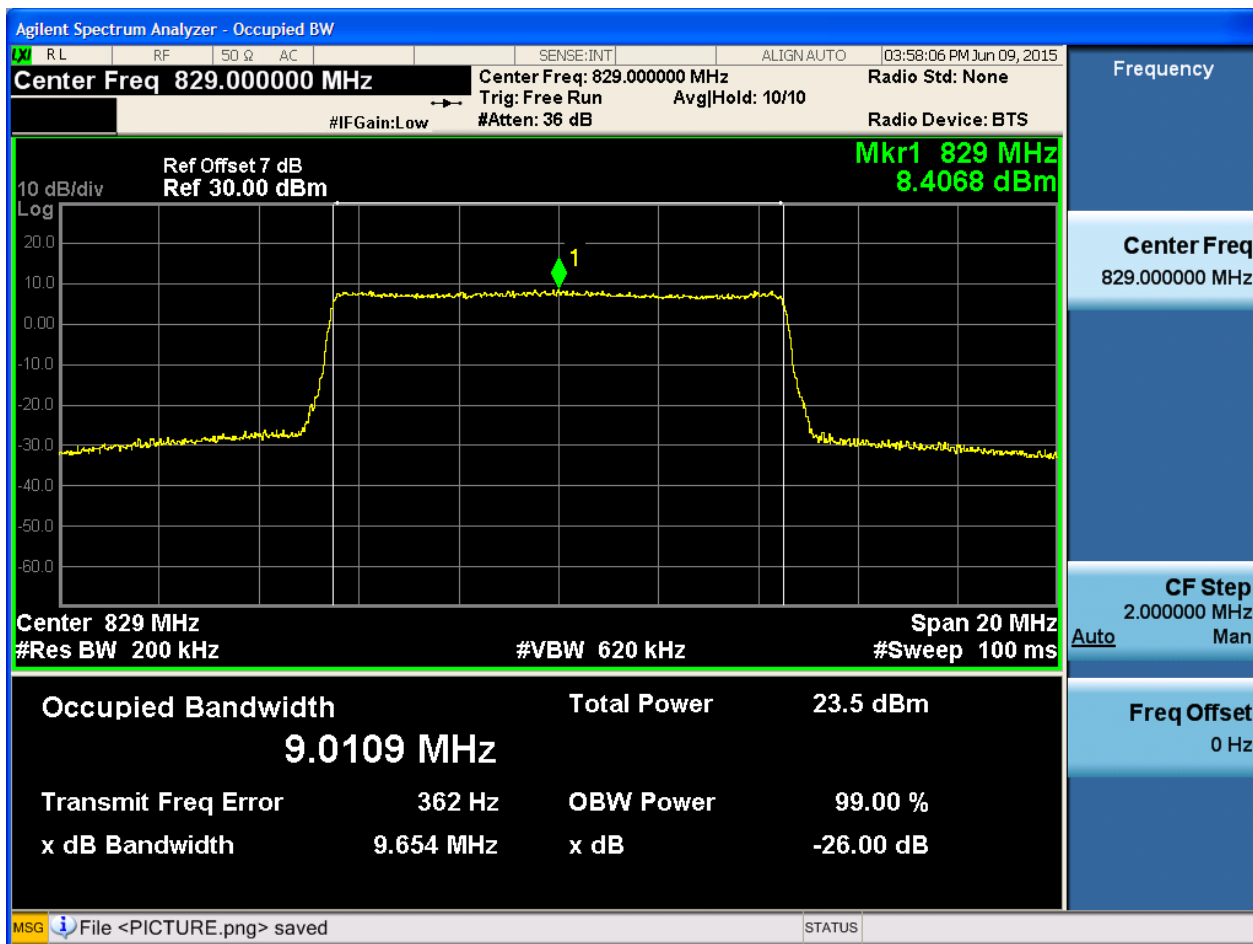
4.1.1.2.3.3.1 Test RB = RB25#0



4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

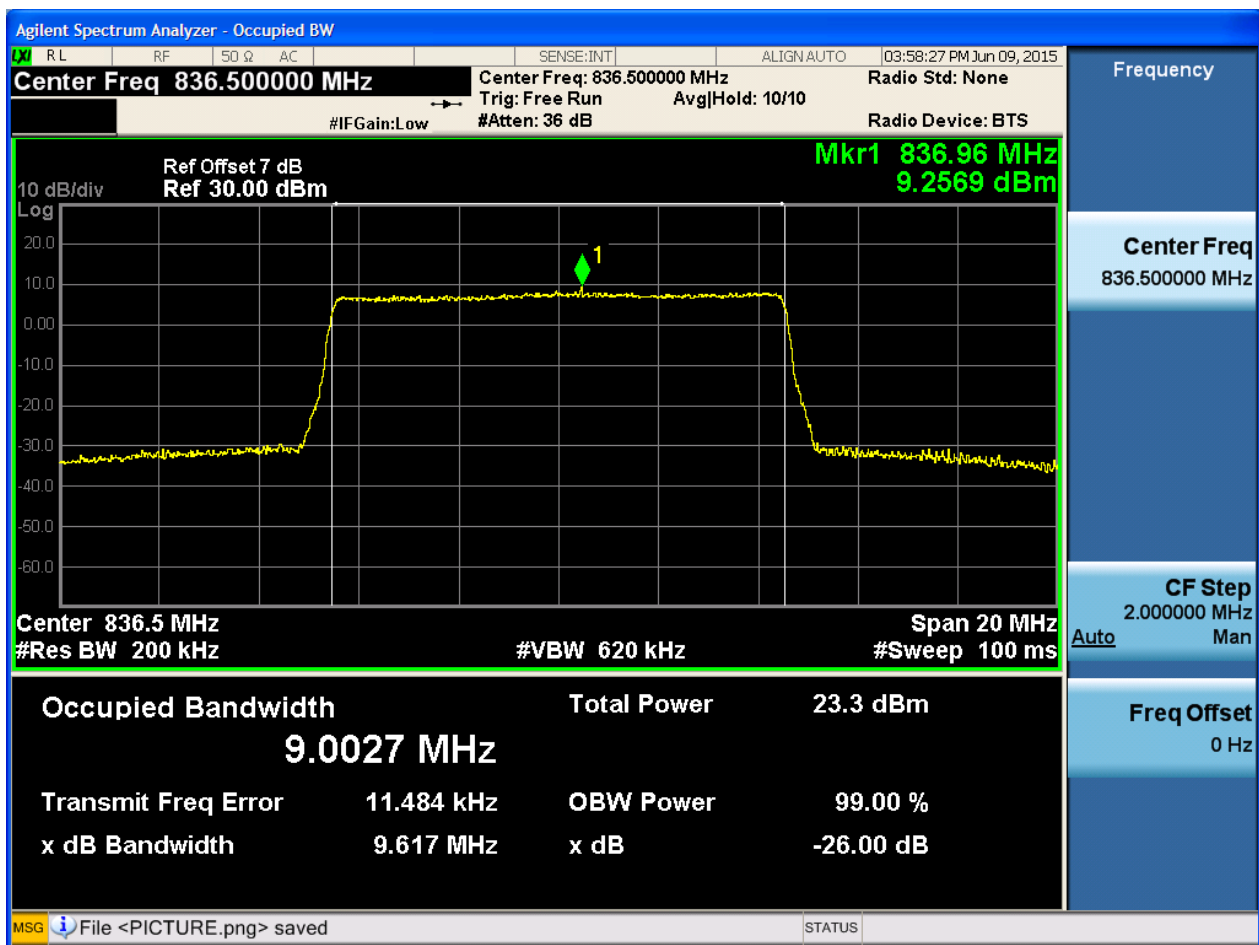
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

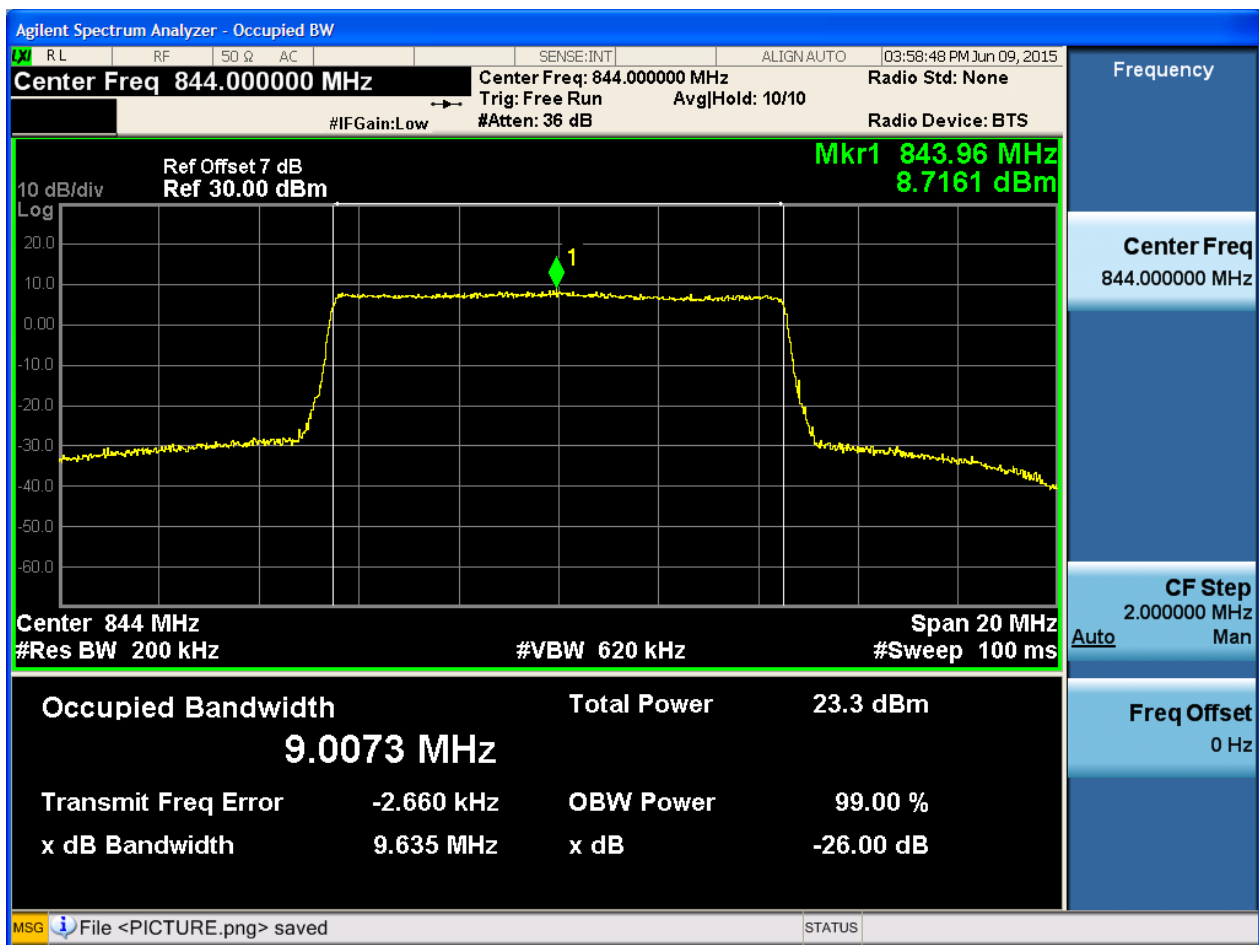
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

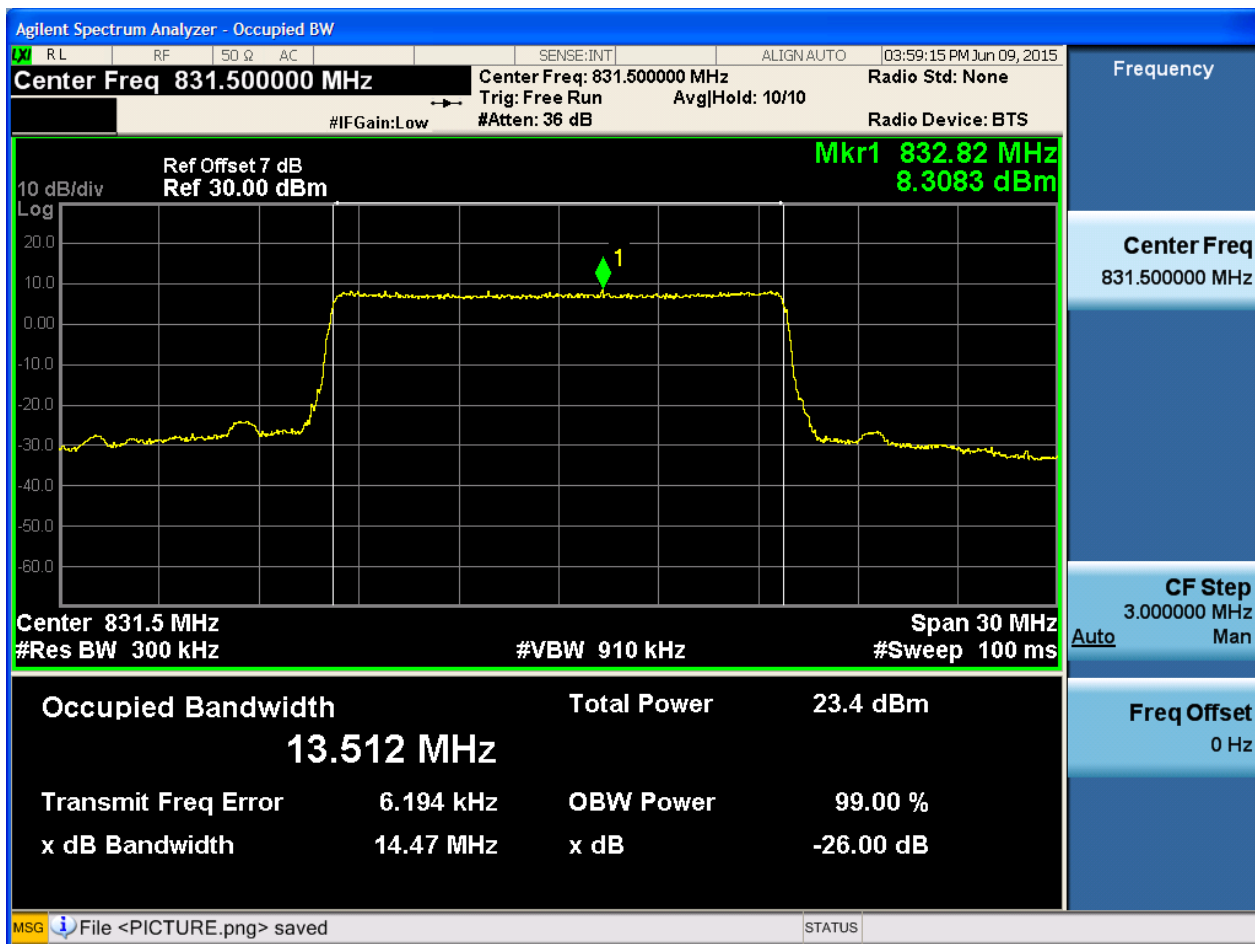
4.1.1.2.4.3.1 Test RB = RB50#0



4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

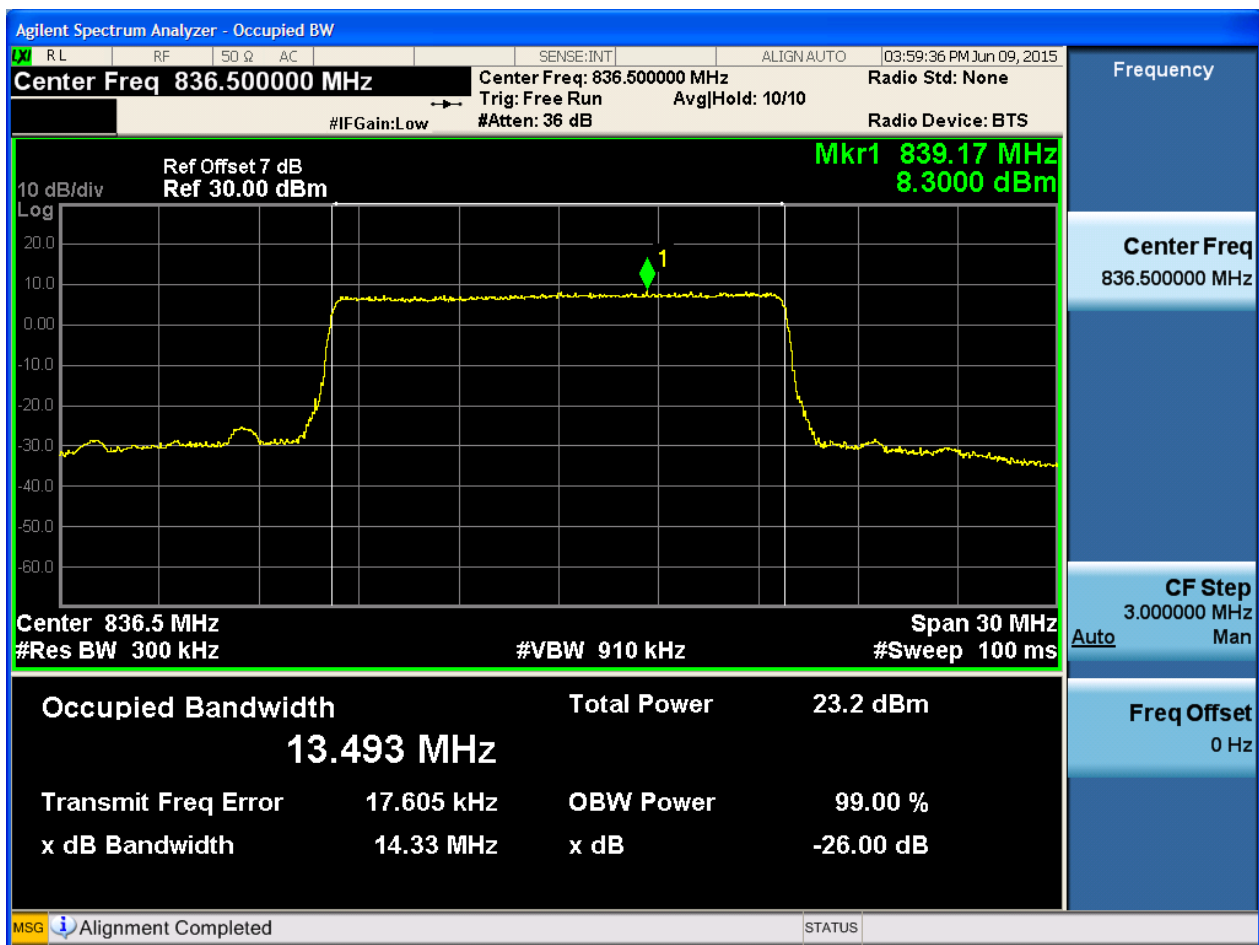
4.1.1.2.5.1.1 Test RB = RB75#0





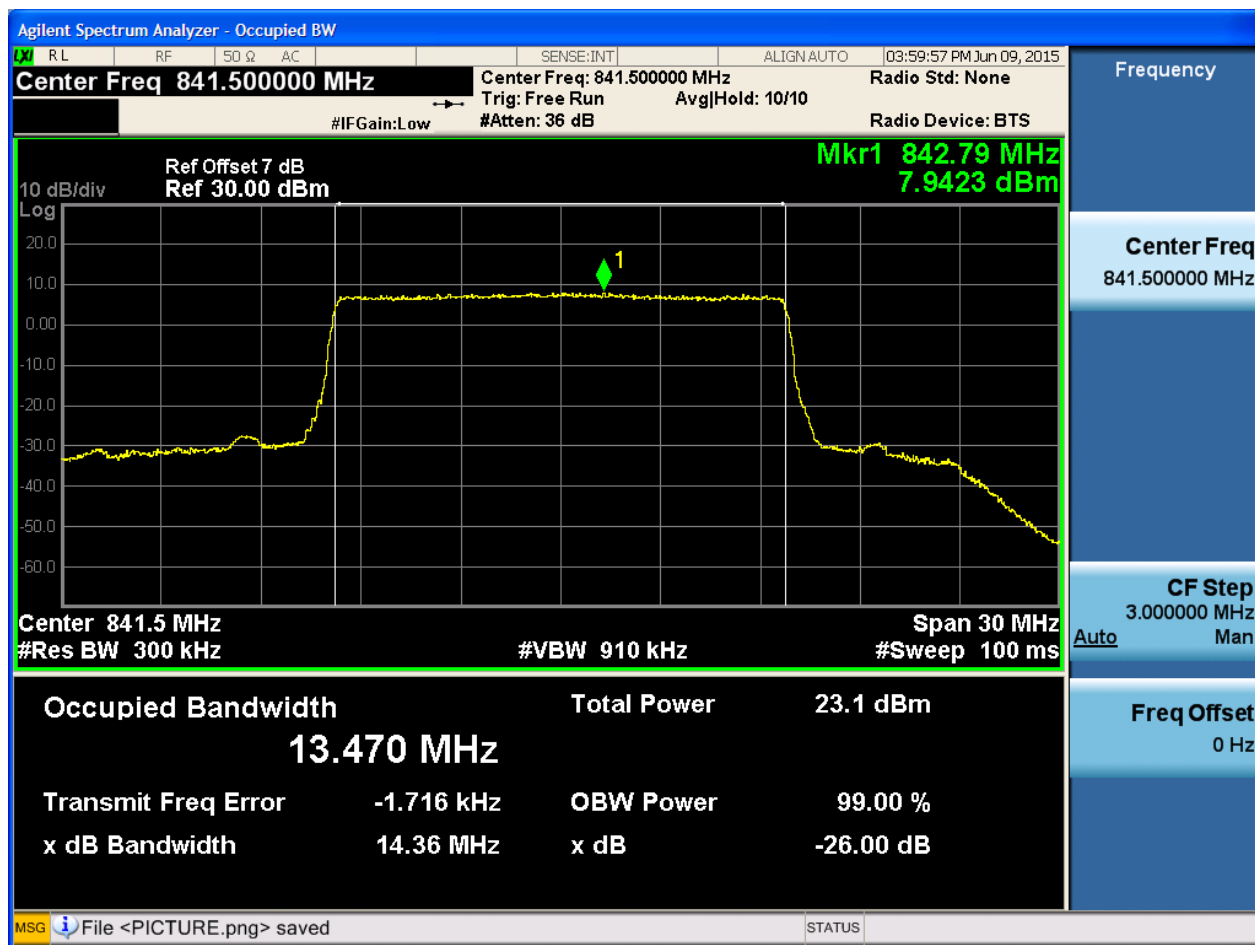
4.1.1.2.5.2 Test Channel = MCH

4.1.1.2.5.2.1 Test RB = RB75#0



4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

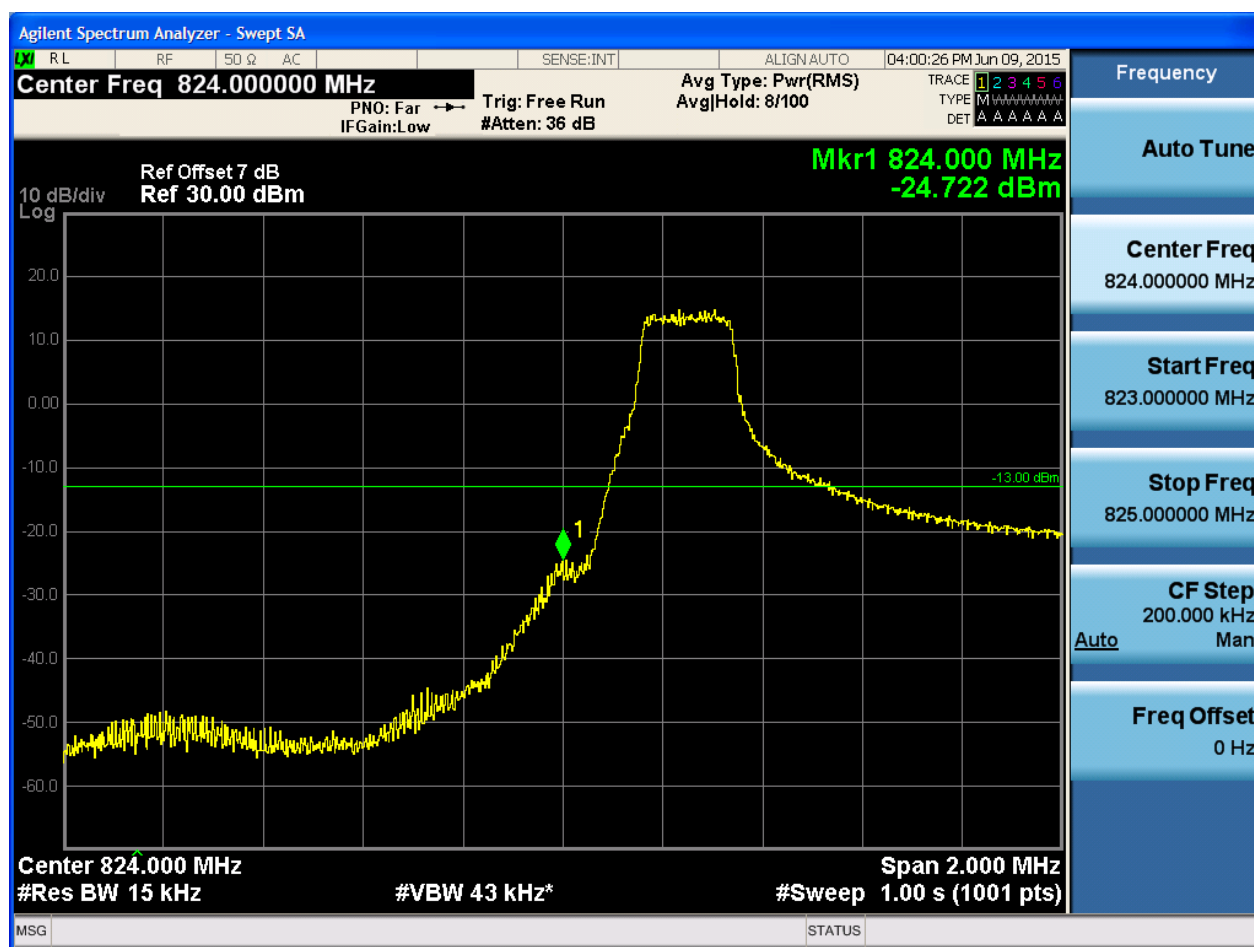
5.1.1 Test Band = BAND26

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



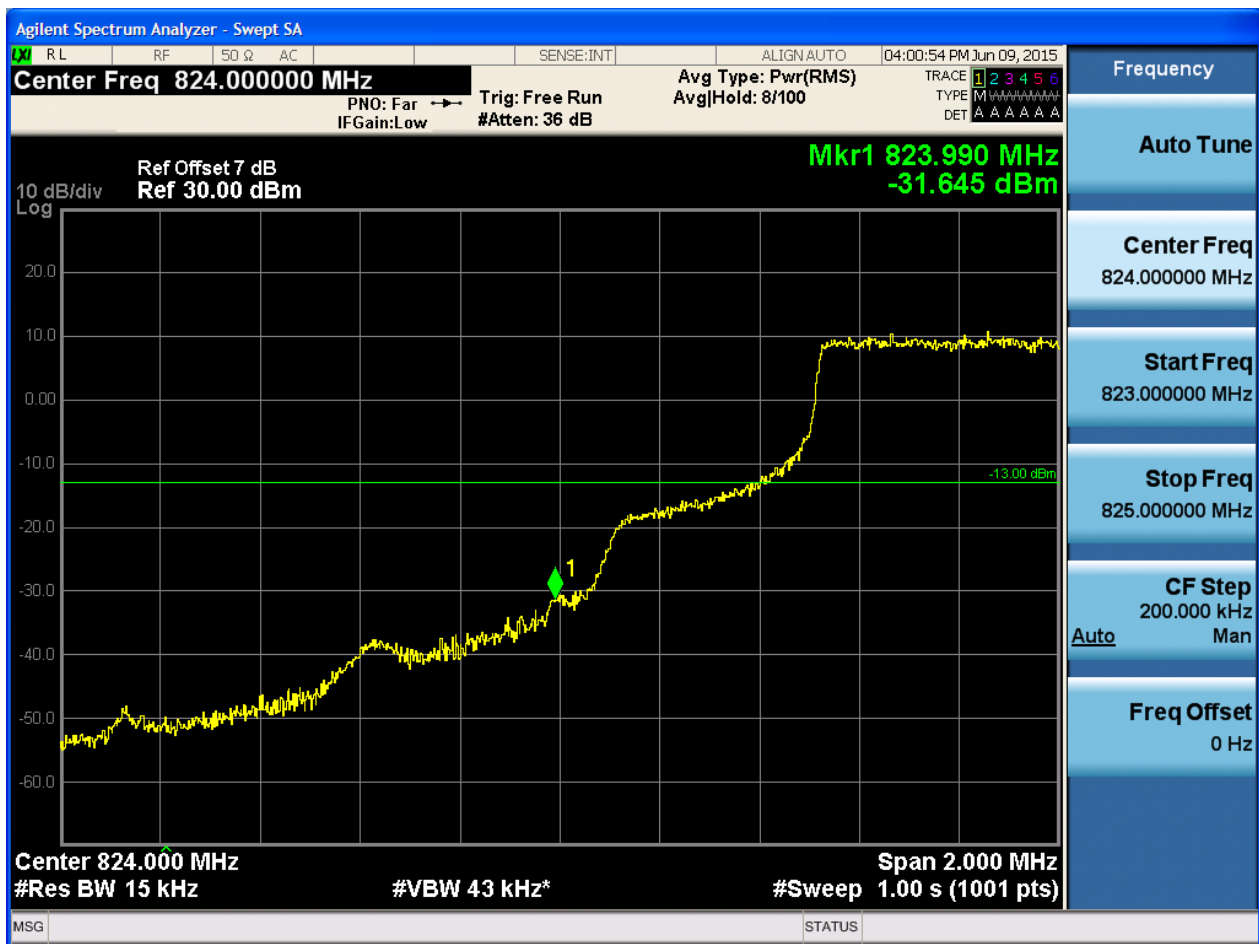


5.1.1.1.1.2 Test RB = RB1#5



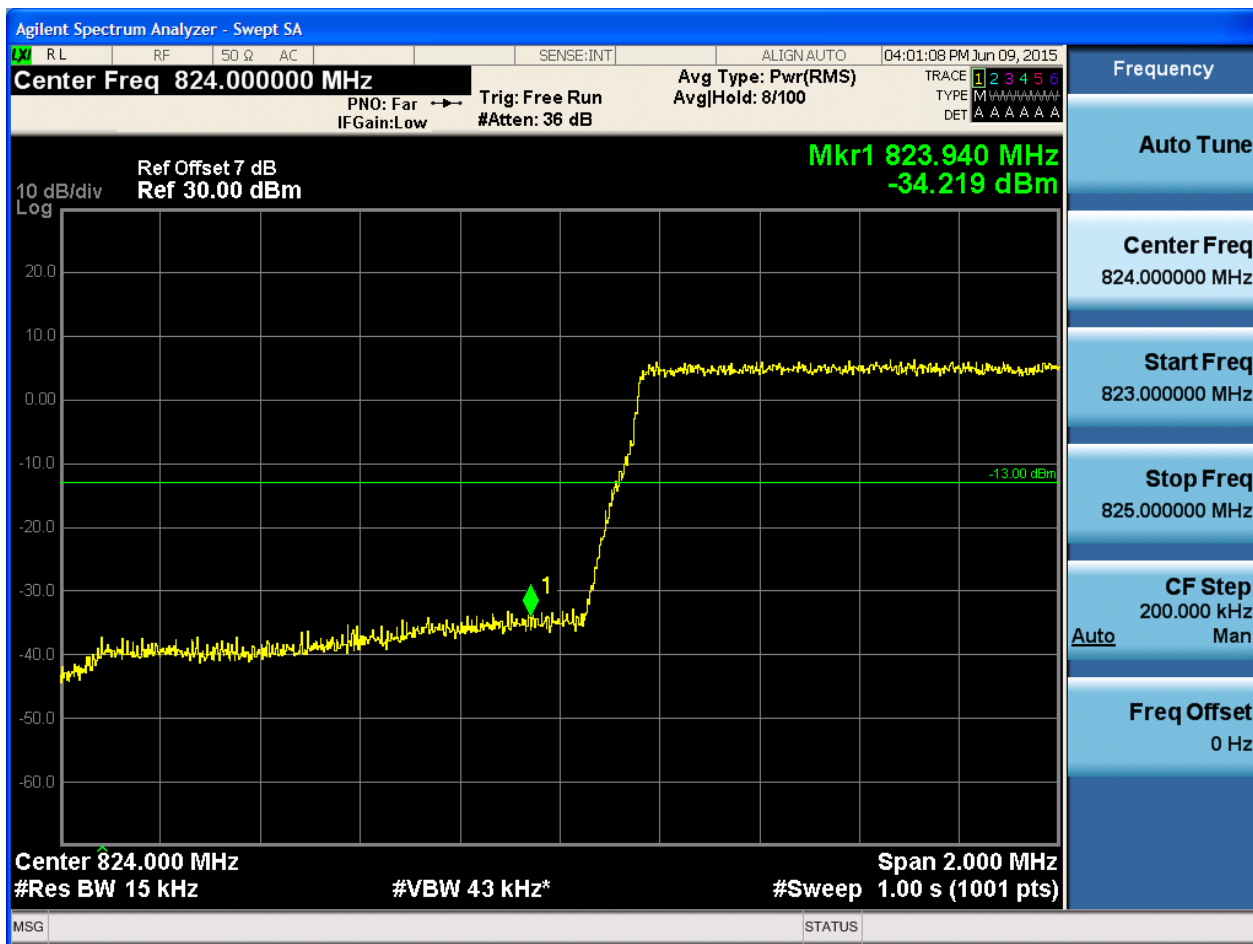


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0



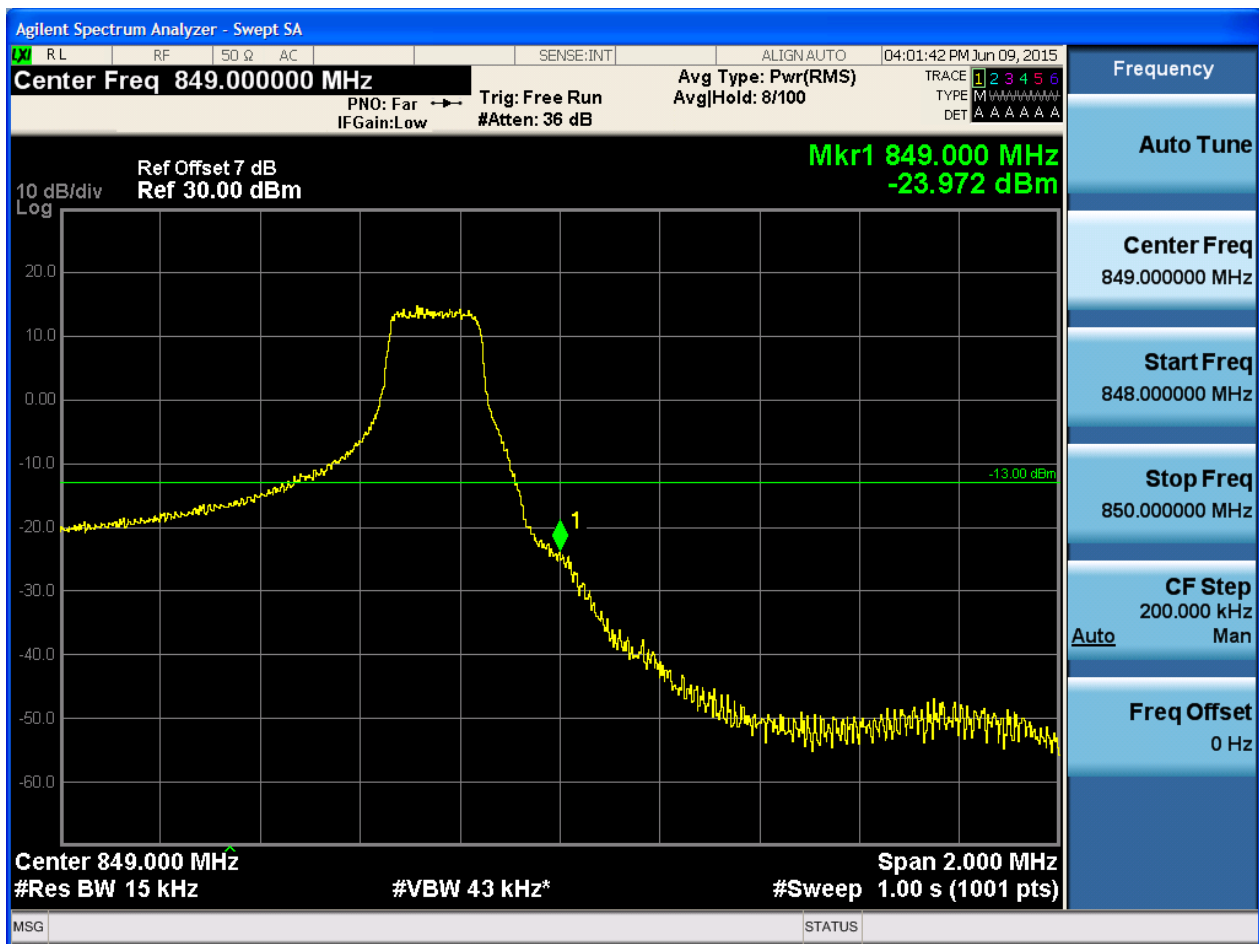
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





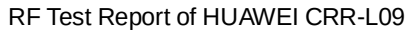
5.1.1.1.1.2.3 Test RB = RB3#2





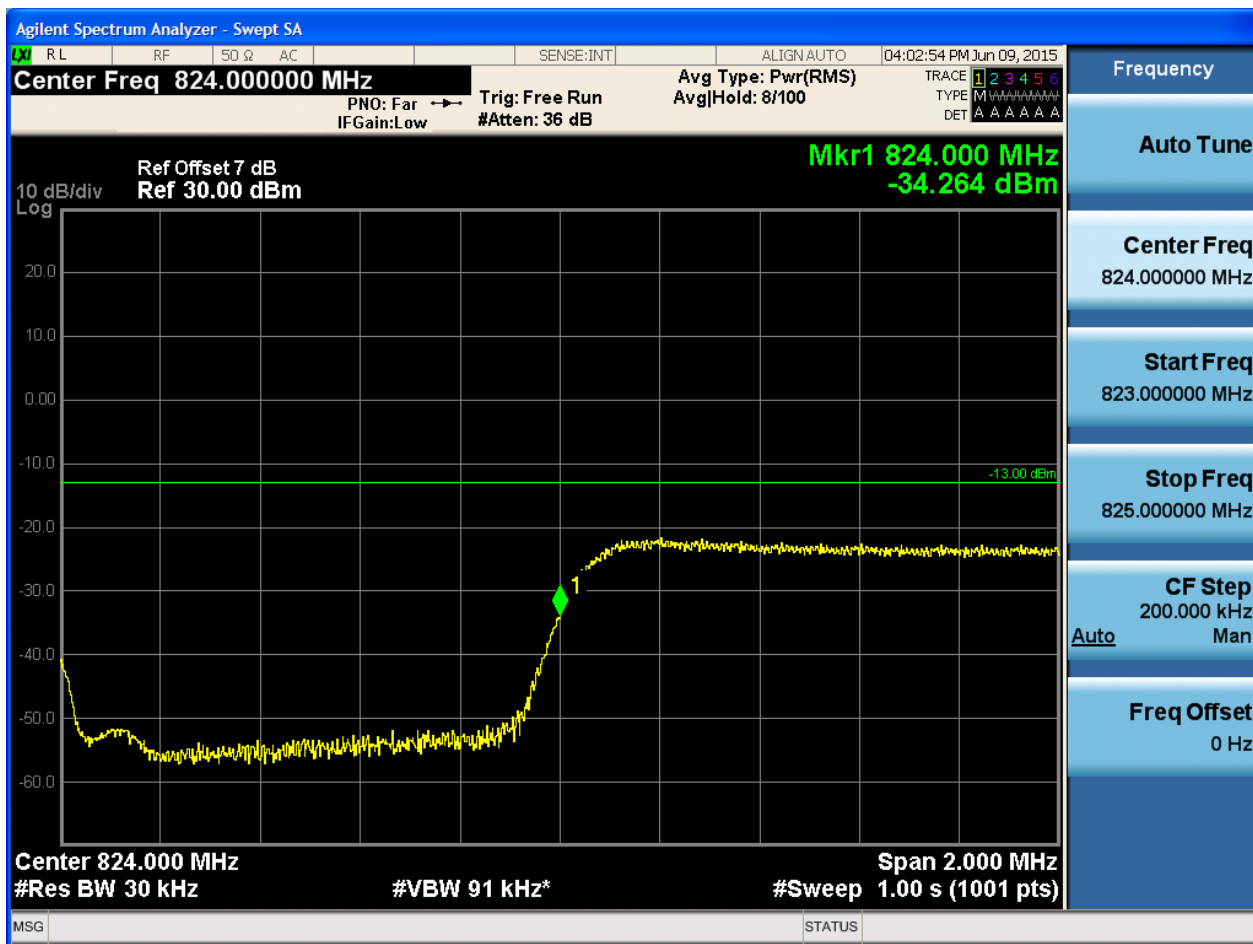
5.1.1.1.2.4 Test RB = RB6#0





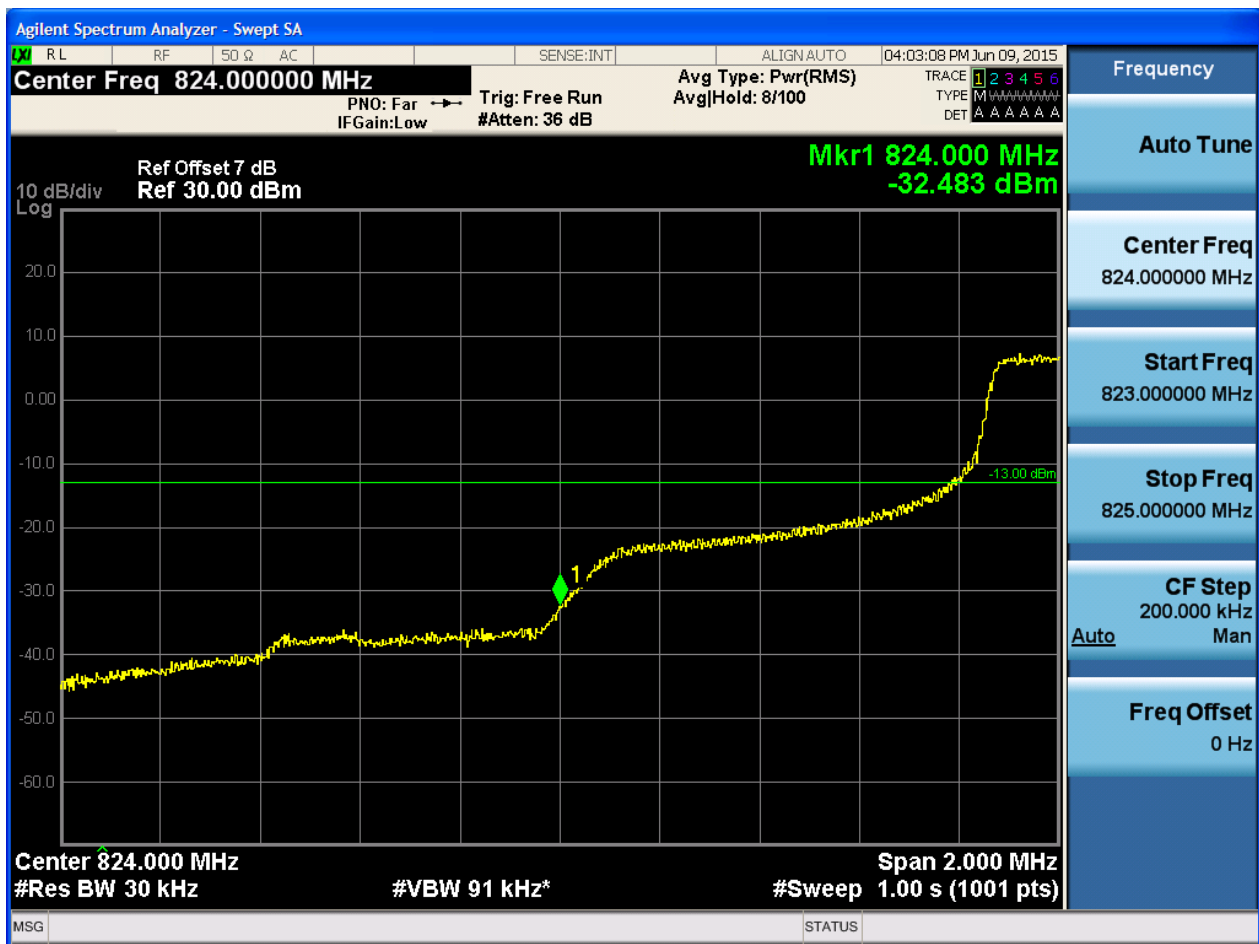


5.1.1.1.2.1.2 Test RB = RB1#14



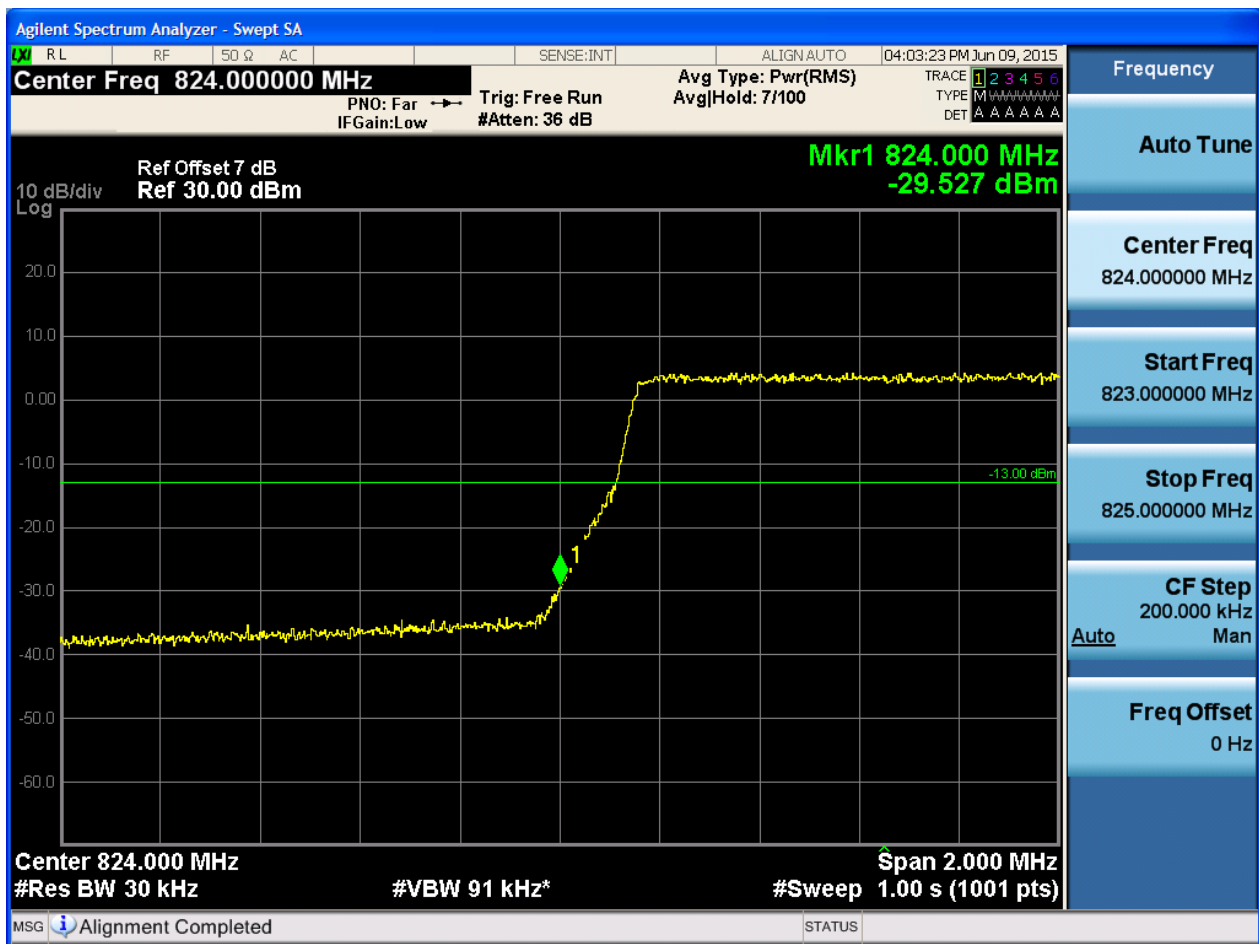


5.1.1.1.2.1.3 Test RB = RB8#4



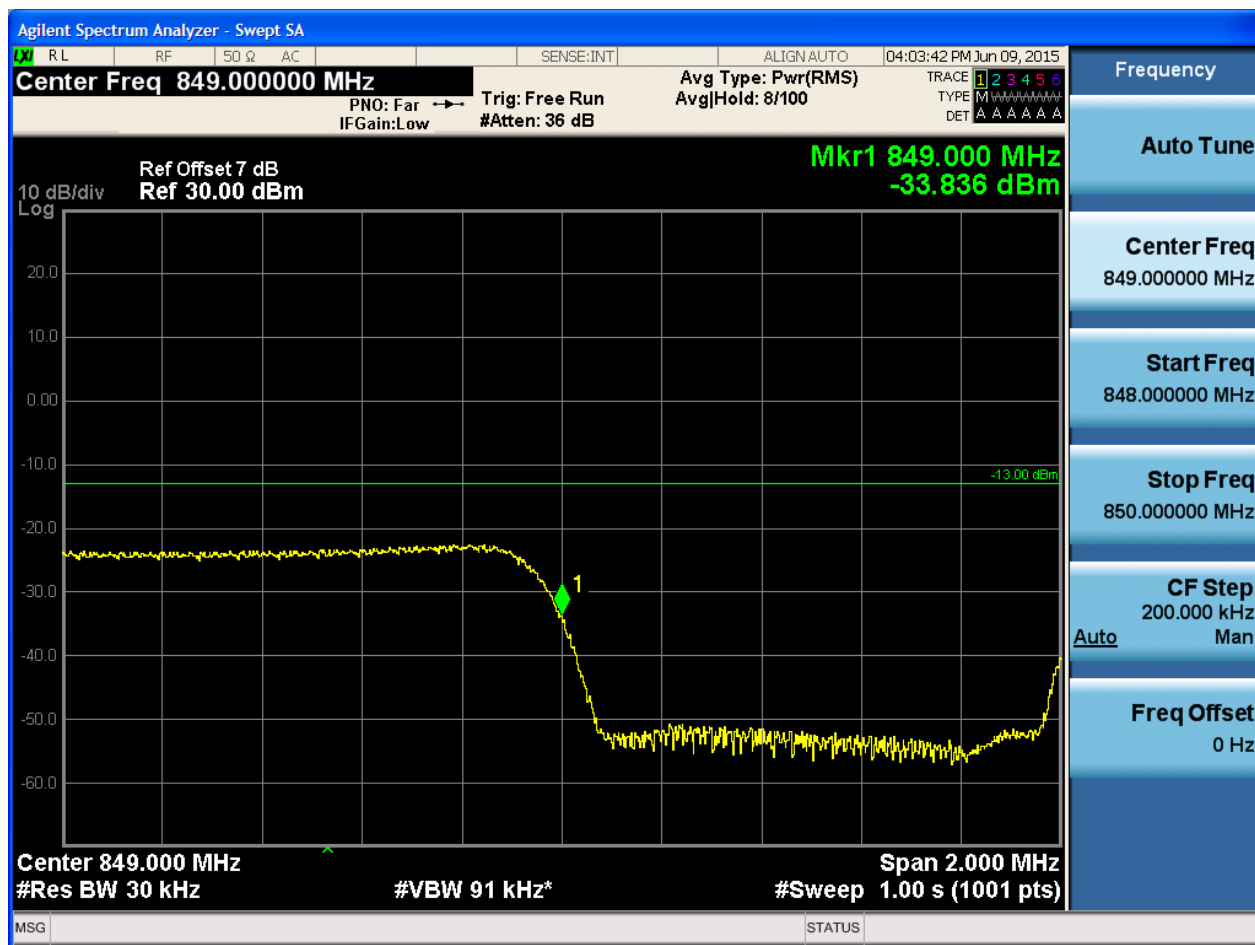


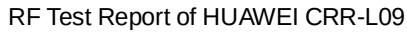
5.1.1.1.2.1.4 Test RB = RB15#0



5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 04:03:56 PM Jun 09, 2015

Center Freq 849.000000 MHz Avg Type: Pwr(RMS) Trace 1 2 3 4 5 6
PNO: Far Trig: Free Run TYPE M W W W W W W W
IFGain: Low #Atten: 36 dB DET A A A A A A

Ref Offset 7 dB Mkr1 849.000 MHz
Ref 30.00 dBm -18.149 dBm

10 dB/div Log

Center 849.000 MHz Span 2.000 MHz
#Res BW 30 kHz #VBW 91 kHz* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq 849.000000 MHz
Start Freq 848.000000 MHz
Stop Freq 850.000000 MHz
CF Step 200.000 kHz Auto
Freq Offset 0 Hz

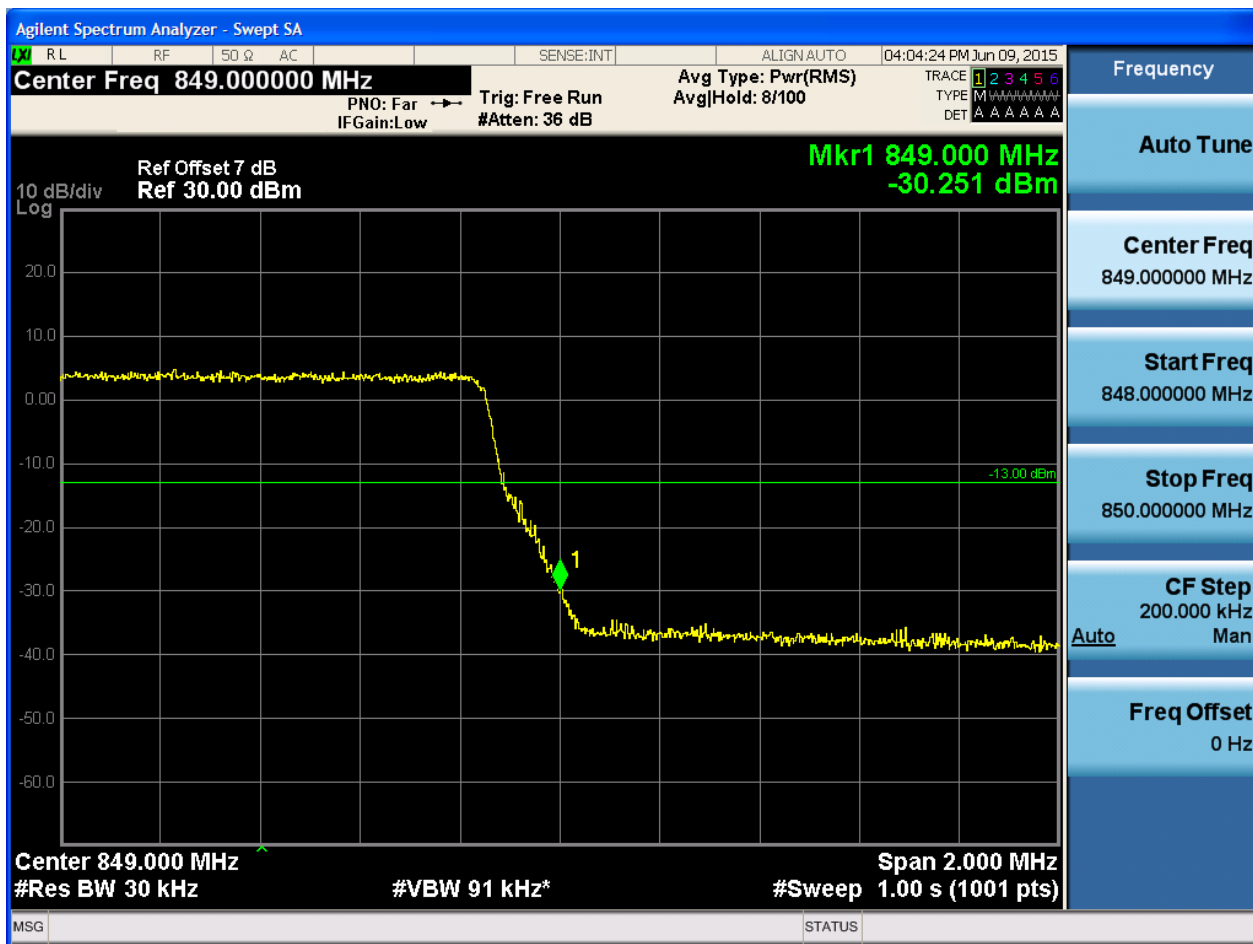


5.1.1.1.2.2.3 Test RB = RB8#4





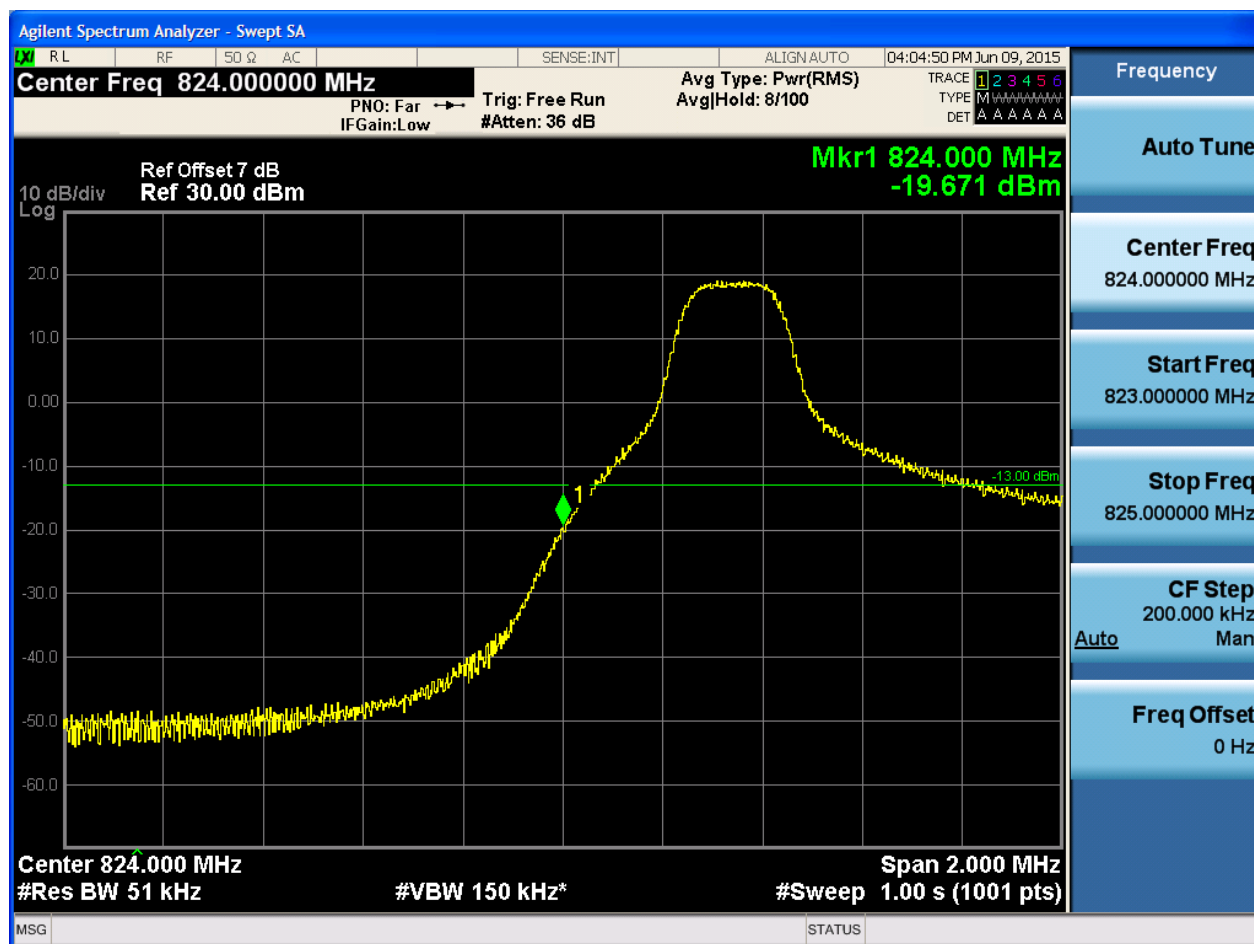
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

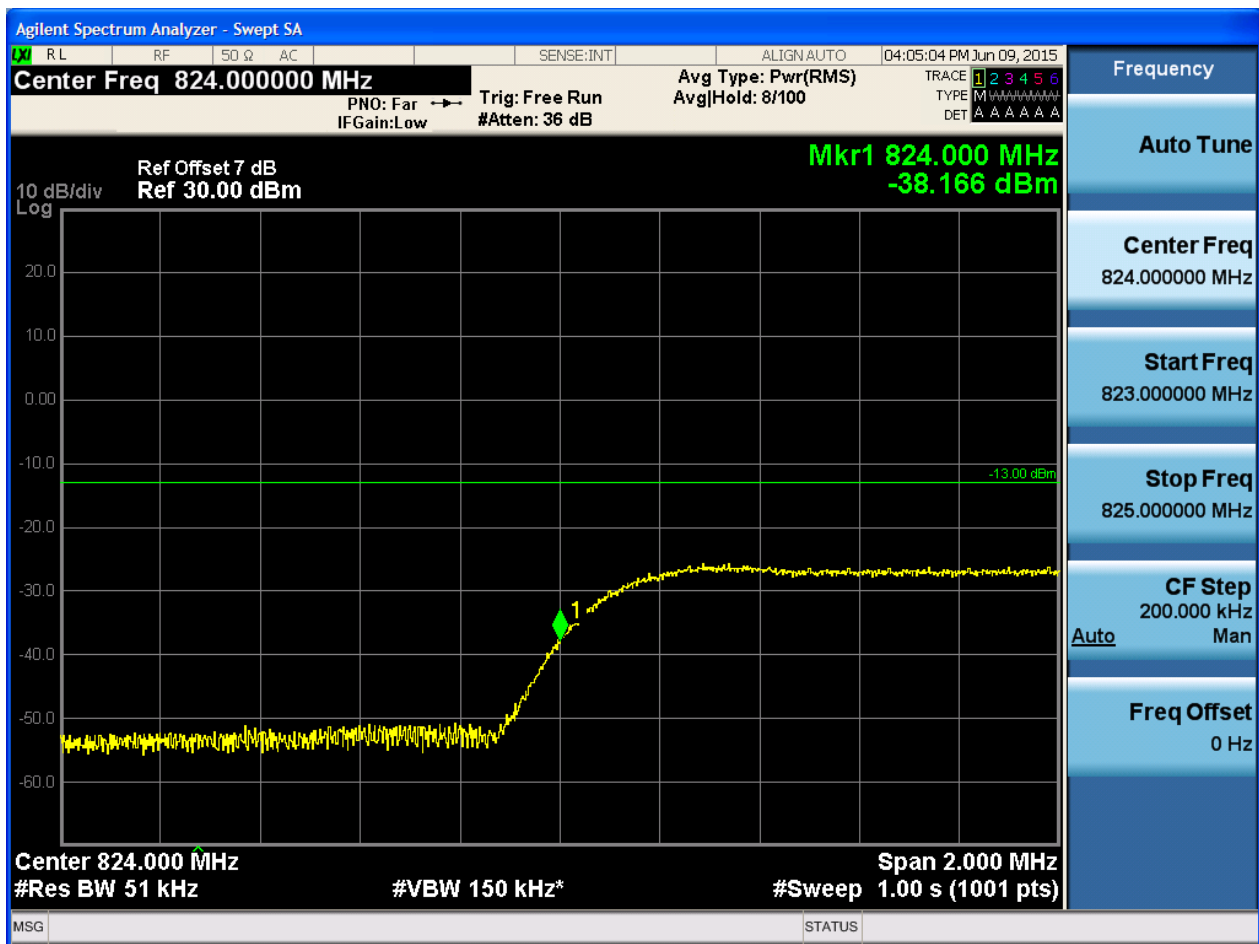
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



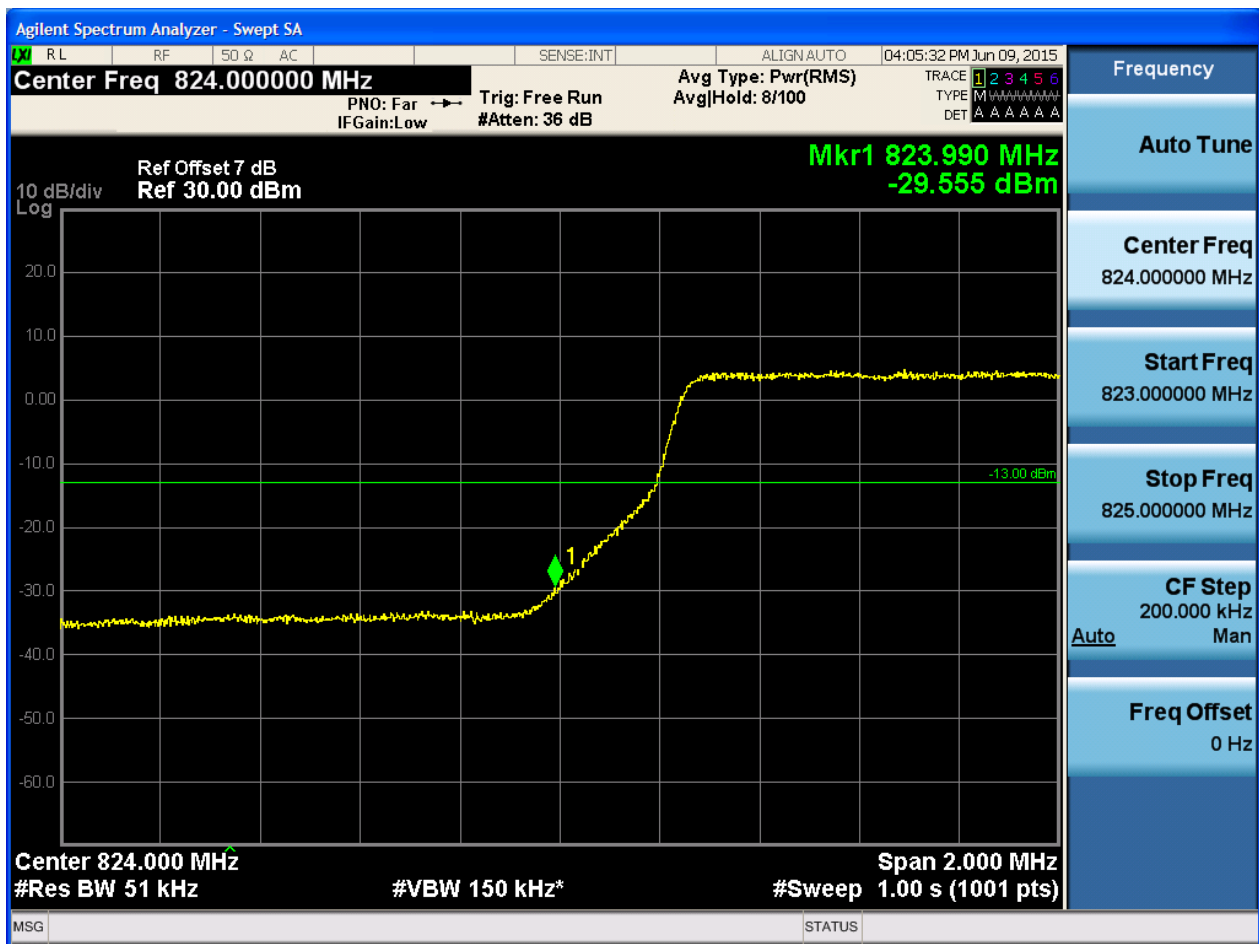


5.1.1.1.3.1.3 Test RB = RB12#6



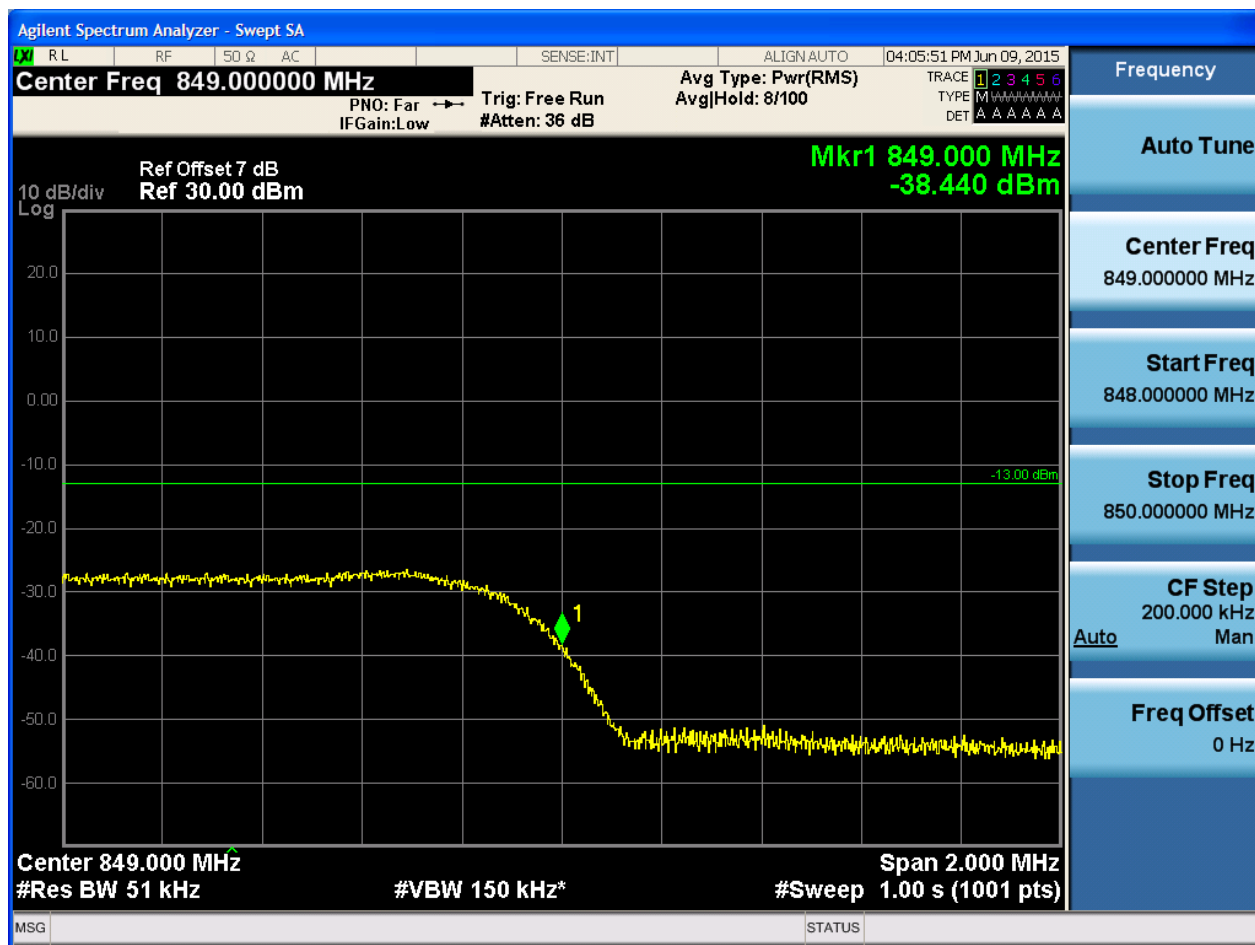


5.1.1.1.3.1.4 Test RB = RB25#0



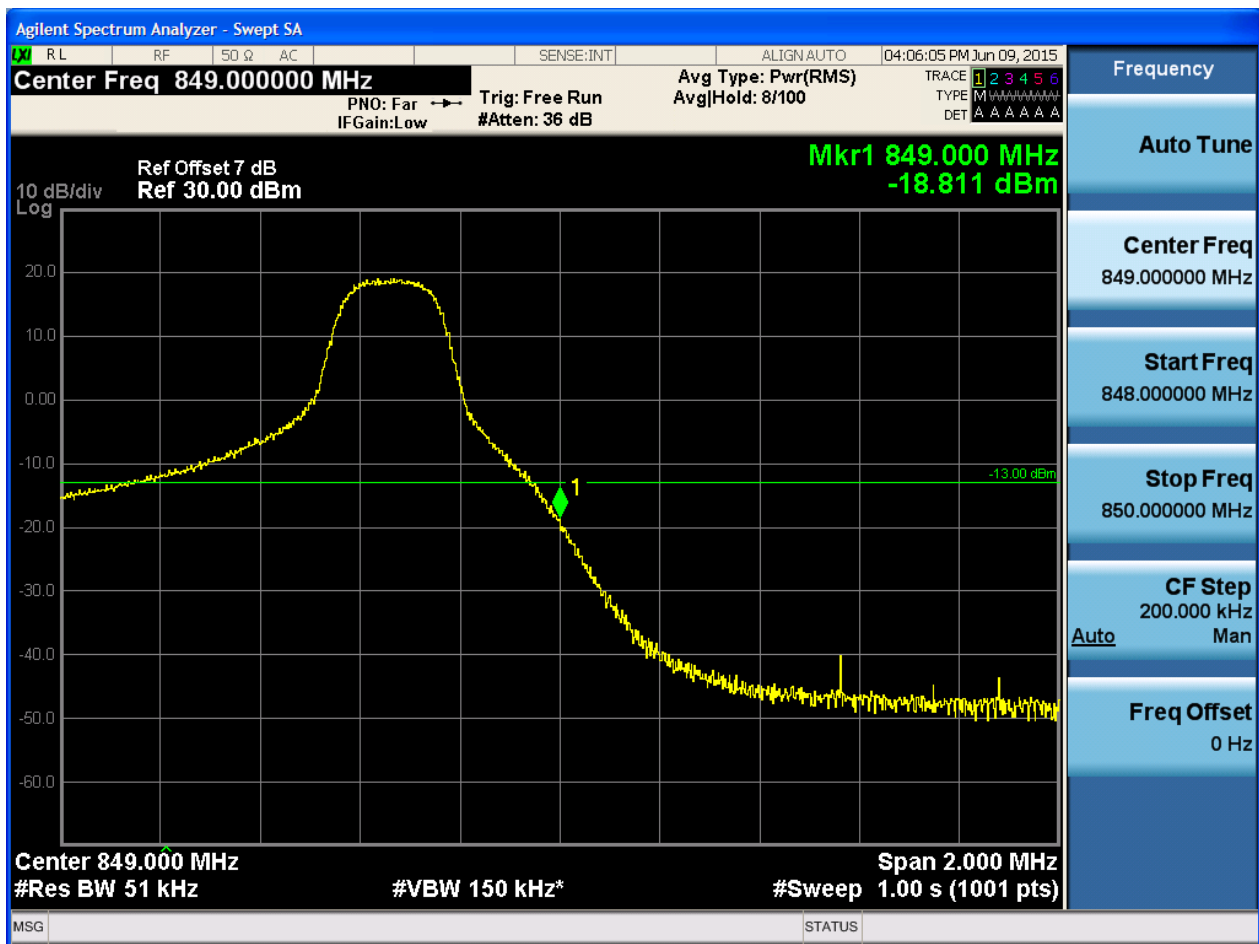
5.1.1.1.3.2 Test Channel = HCH

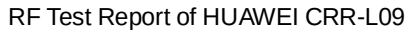
5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-32.090 dBm

Center 849.000 MHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency
Auto Tune
Center Freq 849.000000 MHz
Start Freq 848.000000 MHz
Stop Freq 850.000000 MHz
CF Step 200.000 kHz Man
Freq Offset 0 Hz



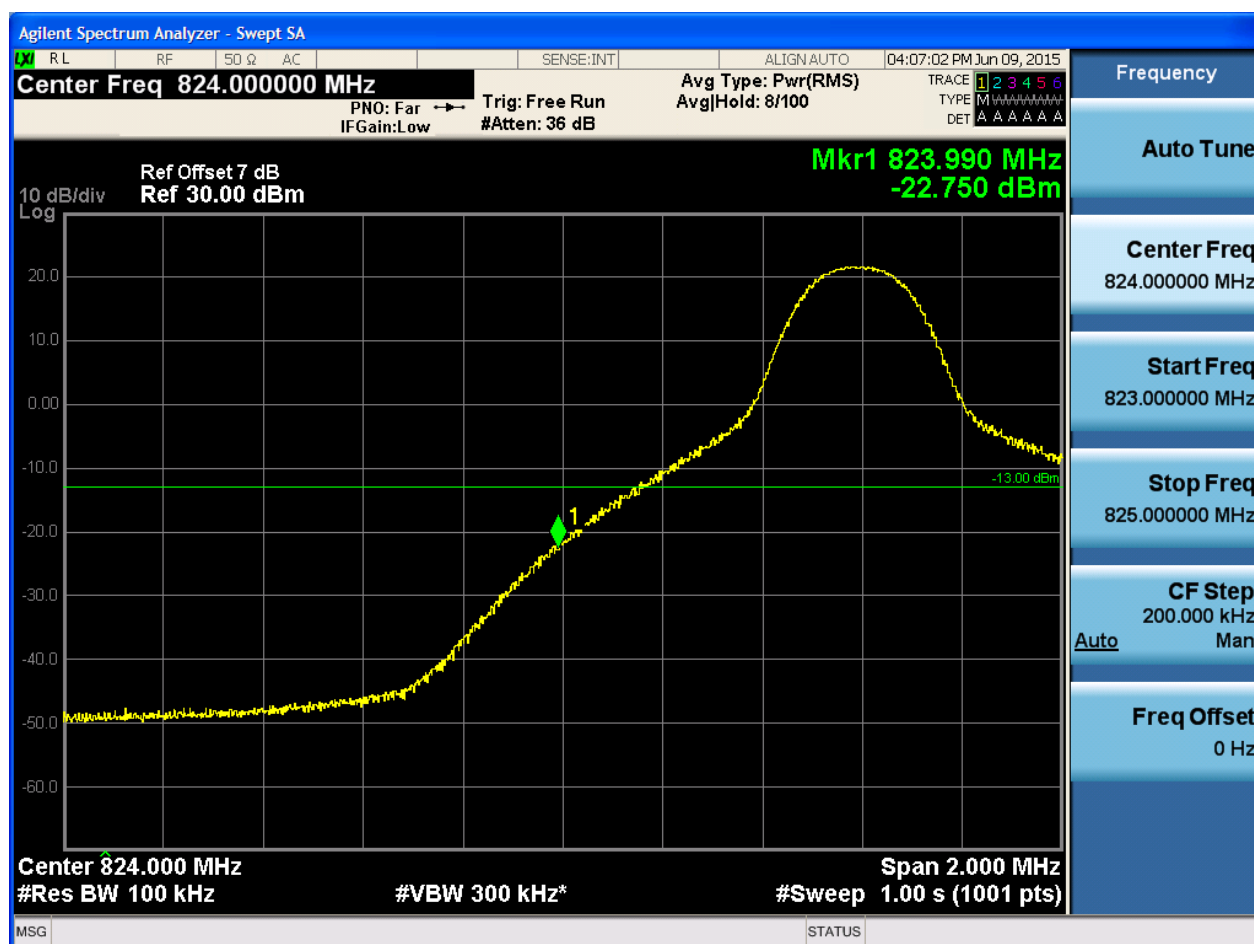
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

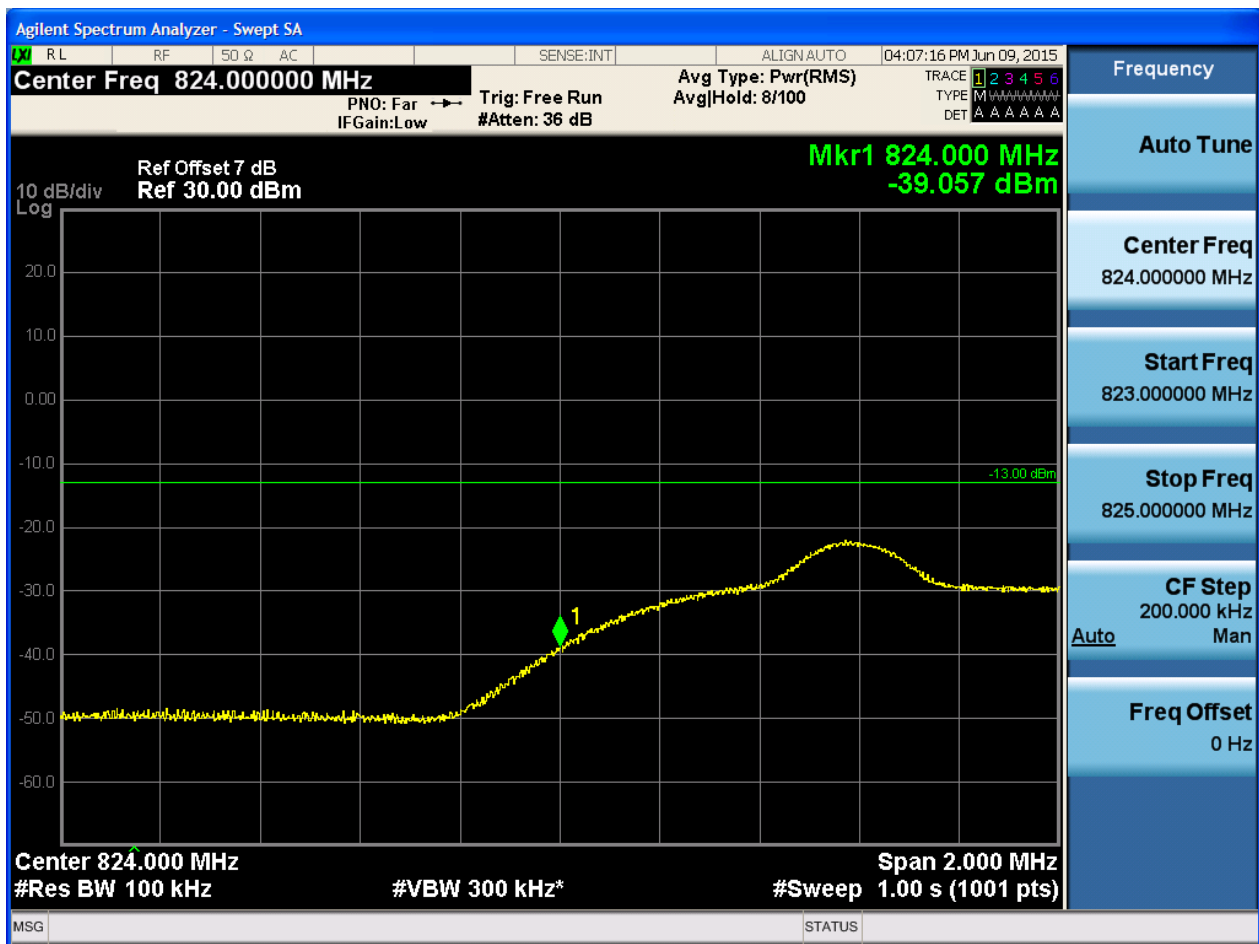
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



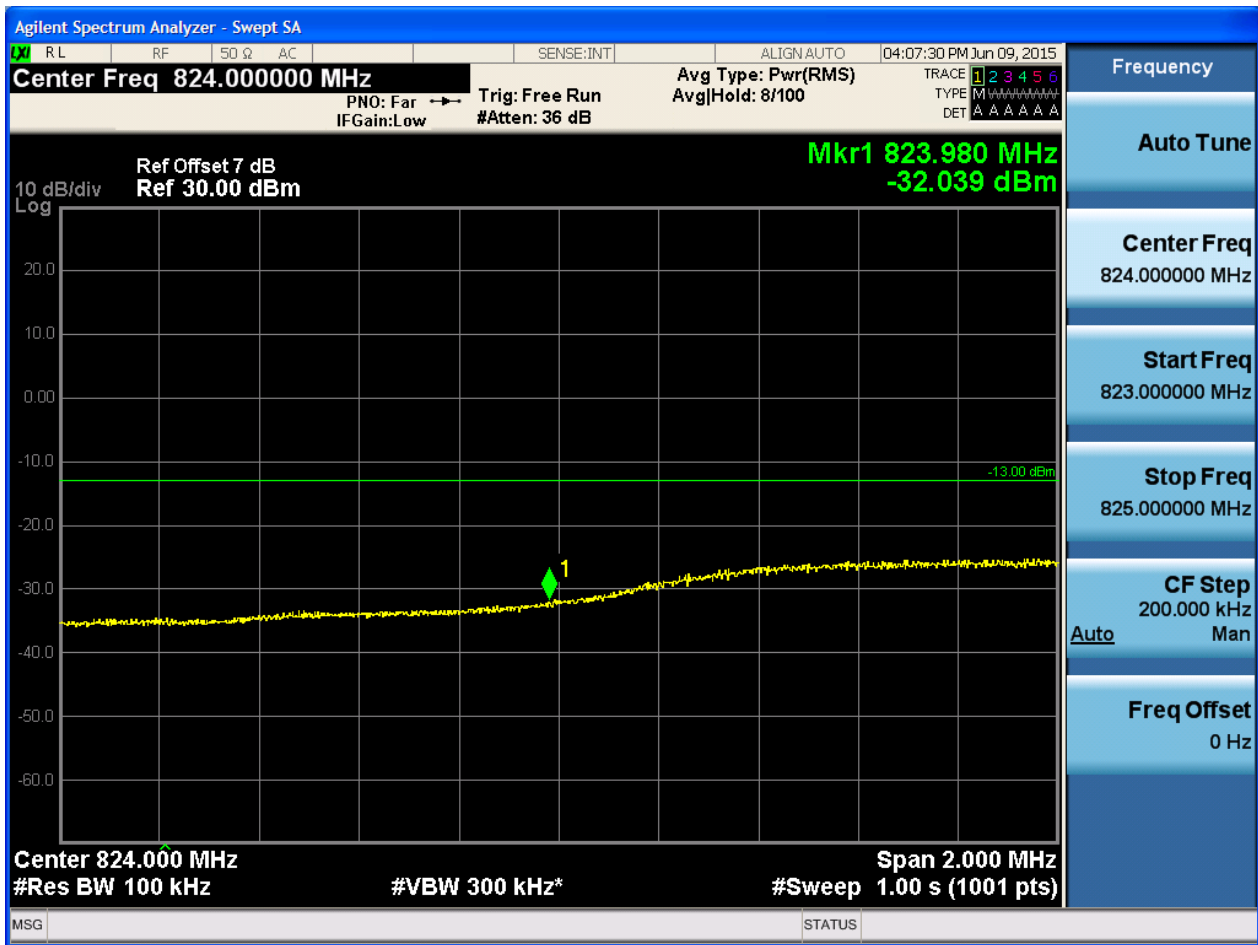


5.1.1.1.4.1.2 Test RB = RB1#49



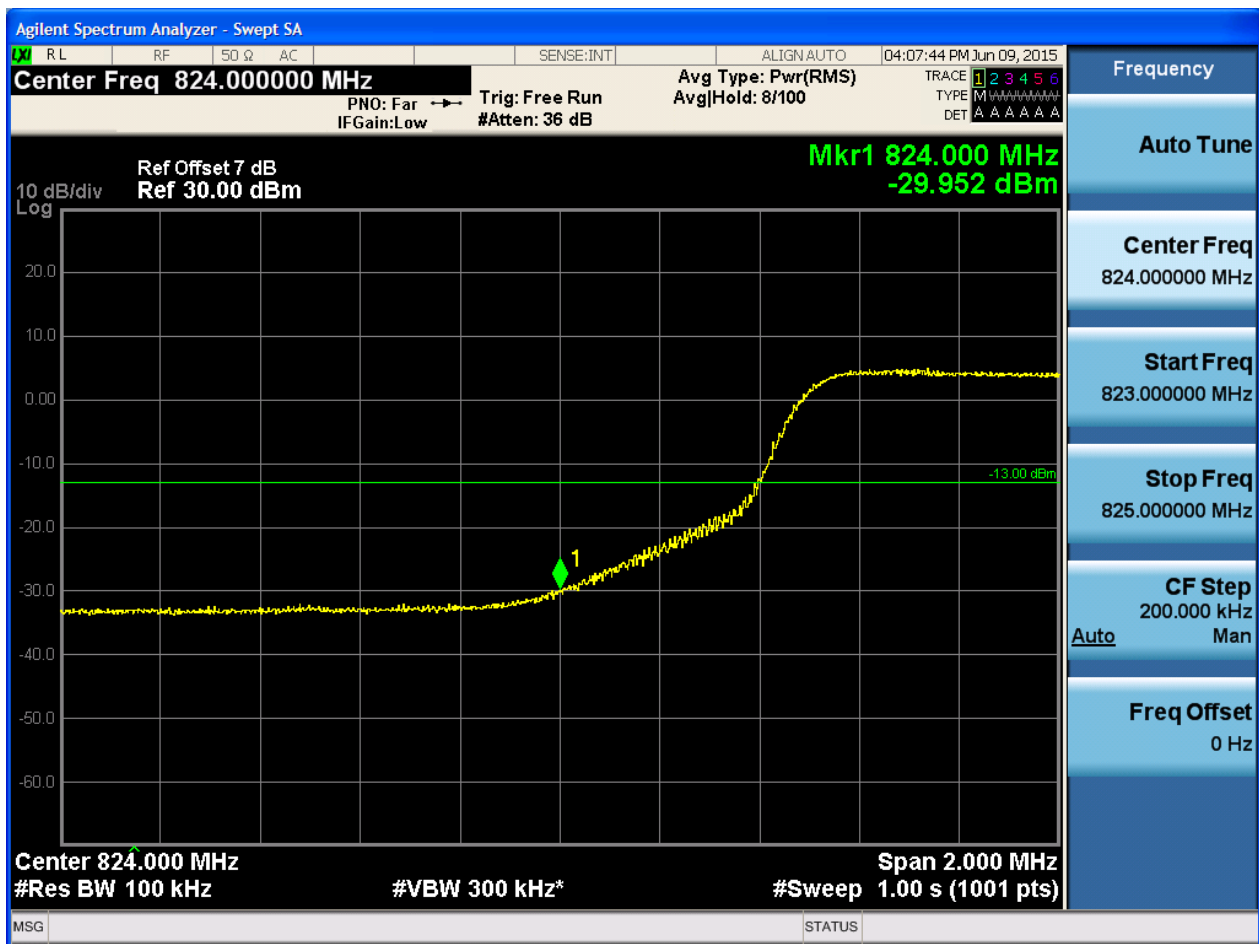


5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0

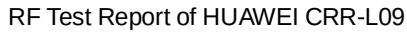




5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-21.097 dBm

Center 849.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
849.000000 MHz

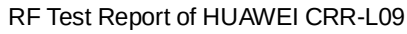
Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 04:08:32 PM Jun 09, 2015

Center Freq 849.000000 MHz Avg Type: Pwr(RMS) Trace 1 2 3 4 5 6
PNO: Far Trig: Free Run TYPE M W W W W W W W
IFGain: Low #Atten: 36 dB DET A A A A A A

Ref Offset 7 dB Mkr1 849.010 MHz
Ref 30.00 dBm -34.309 dBm

10 dB/div Log

Center 849.000 MHz Span 2.000 MHz
#Res BW 100 kHz #VBW 300 kHz* #Sweep 1.00 s (1001 pts)

MSG STATUS



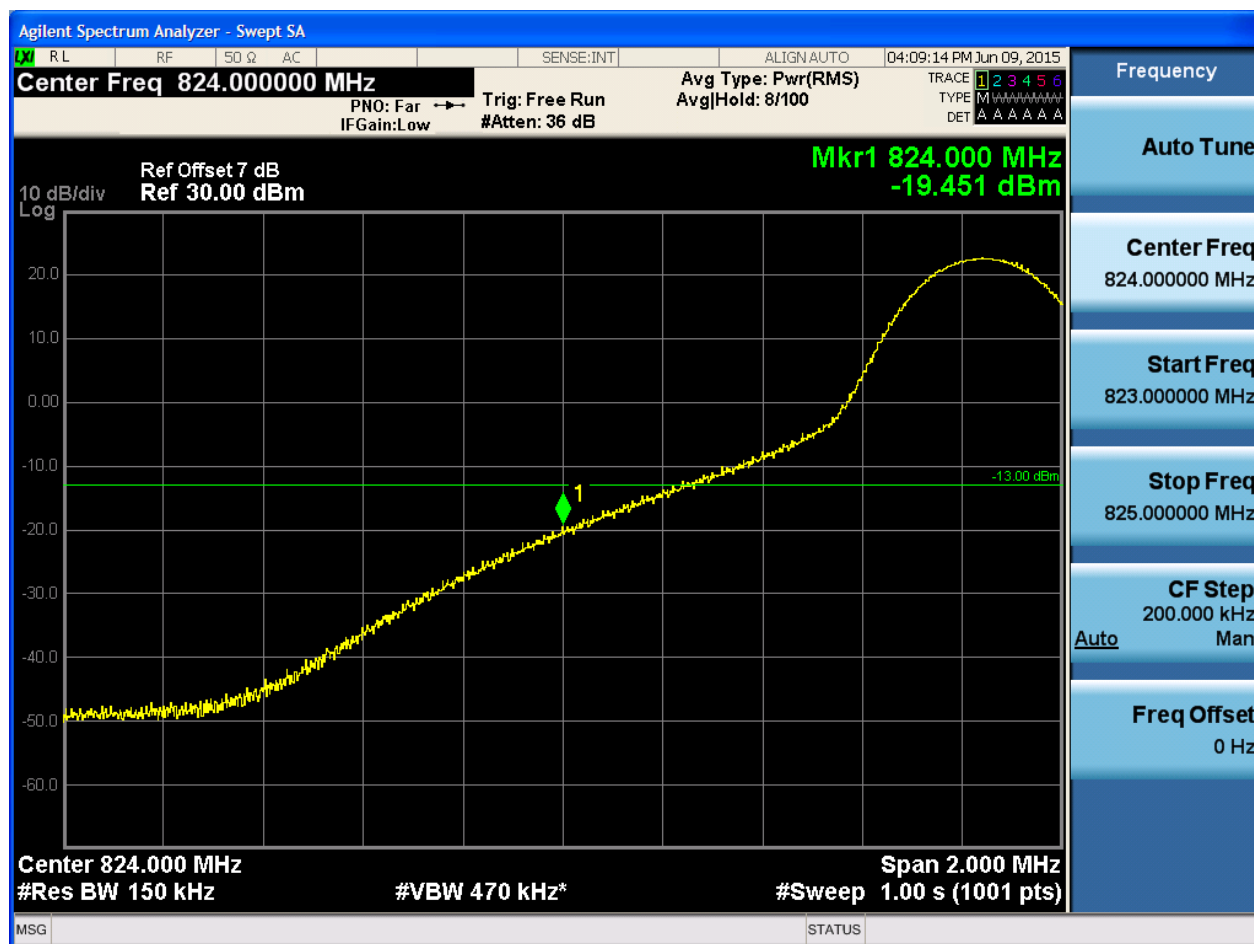
5.1.1.1.4.2.4 Test RB = RB50#0



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





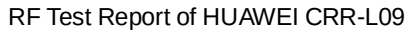
5.1.1.1.5.1.2 Test RB = RB1#74





5.1.1.1.5.1.3 Test RB = RB38#19





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-28.442 dBm

Center 824.000 MHz
#Res BW 150 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.1.1.1.5.2 Test Channel = HCH

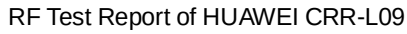
5.1.1.1.5.2.1 Test RB = RB1#0





5.1.1.1.5.2.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-34.703 dBm

Center 849.000 MHz
#Res BW 150 kHz
#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

The image shows a screenshot of an Agilent Spectrum Analyzer in a swept mode. The main display area shows a frequency spectrum with a yellow trace. A green horizontal line is drawn across the plot at -13.00 dBm. A yellow marker labeled '1' is positioned at the center frequency of 849.000 MHz, indicating a power level of -34.703 dBm. The y-axis is labeled '10 dB/div' and 'Log', with a scale from -60.0 to 20.0 dBm. The x-axis represents frequency, with a center frequency of 849.000 MHz and a span of 2.000 MHz. The resolution bandwidth (Res BW) is 150 kHz, and the video bandwidth (VBW) is 470 kHz. The sweep time is 1.00 s, resulting in 1001 points. The display also shows various settings like 'Center Freq', 'Start Freq', 'Stop Freq', 'CF Step', and 'Freq Offset'. The top of the screen displays the instrument name 'Agilent Spectrum Analyzer - Swept SA' and the date/time '04:10:46 PM Jun 09, 2015'. The bottom of the screen shows the 'MSG' and 'STATUS' indicators.



5.1.1.1.5.2.4 Test RB = RB75#0



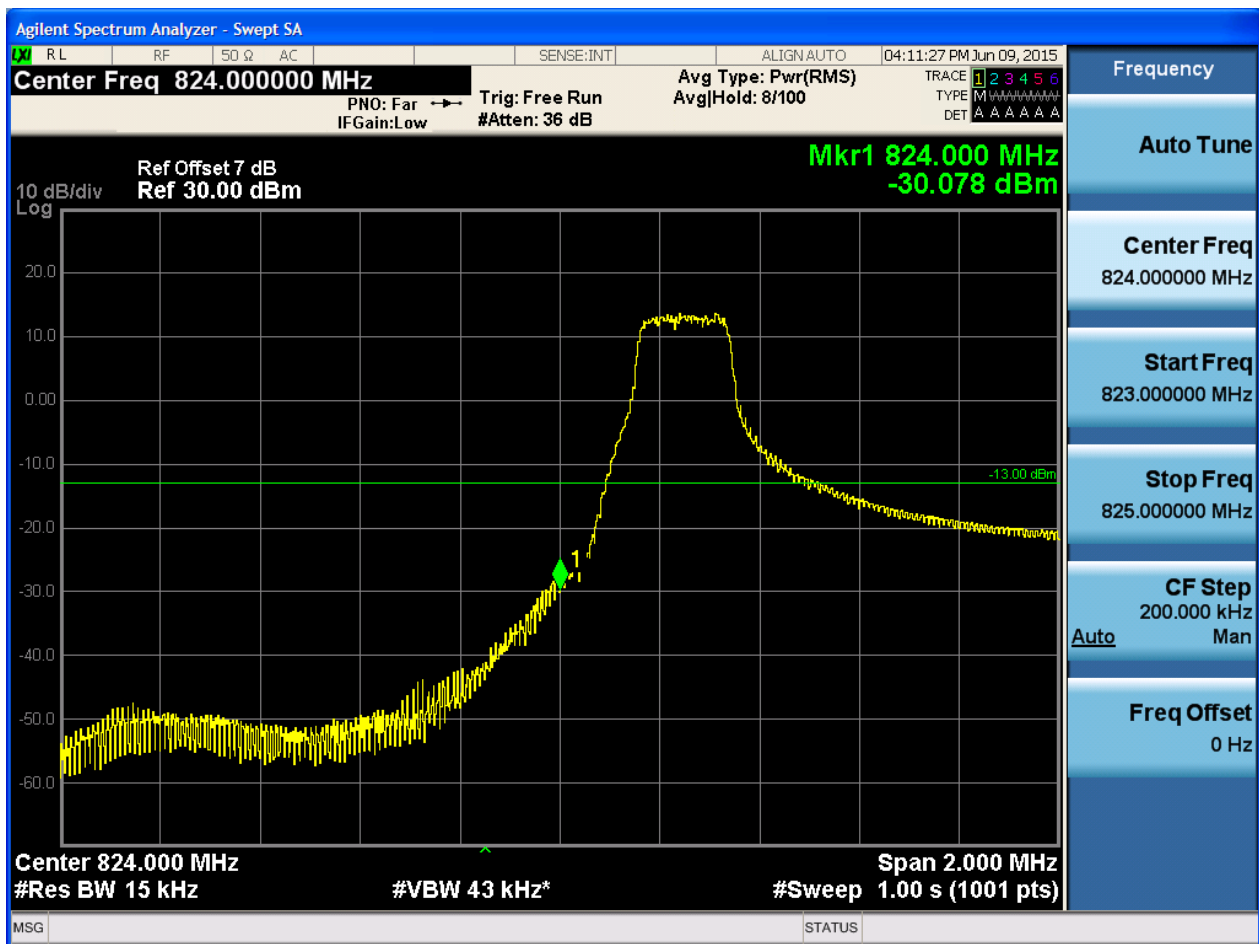


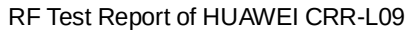
5.1.1.2 Test Mode = LTE/TM2

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





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 823.230 MHz
-39.709 dBm

Center 824.000 MHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

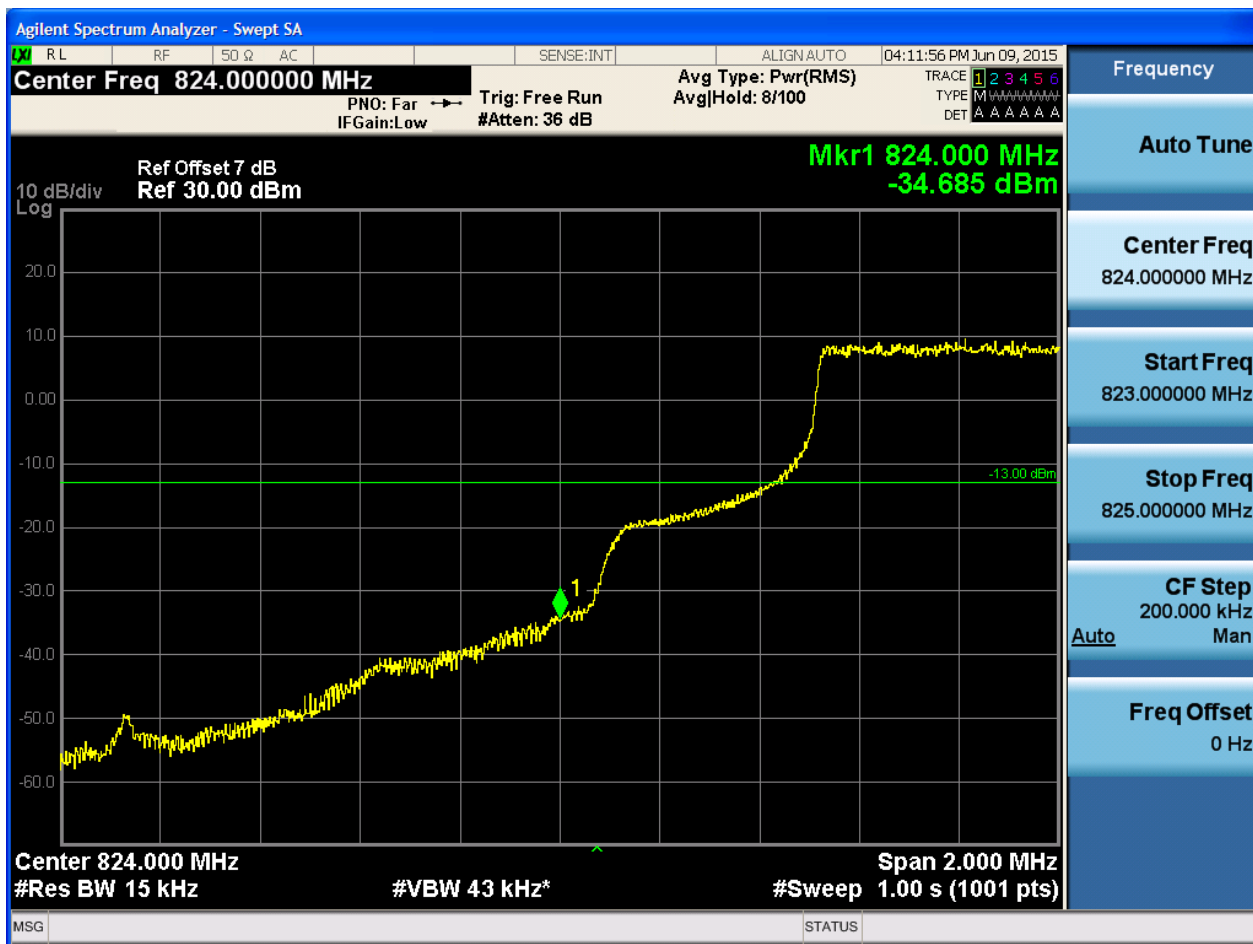
CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

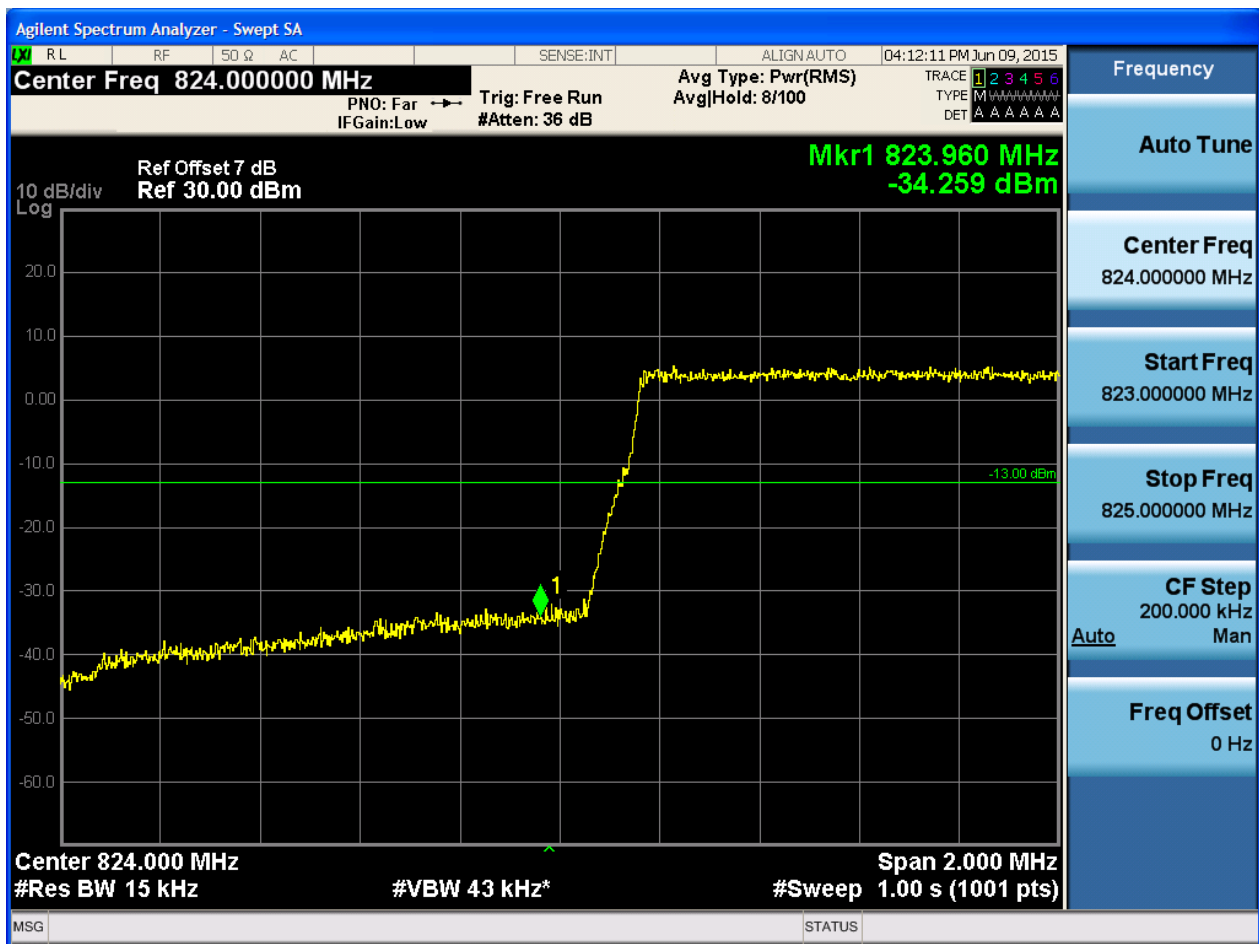


5.1.1.2.1.1.3 Test RB = RB3#2



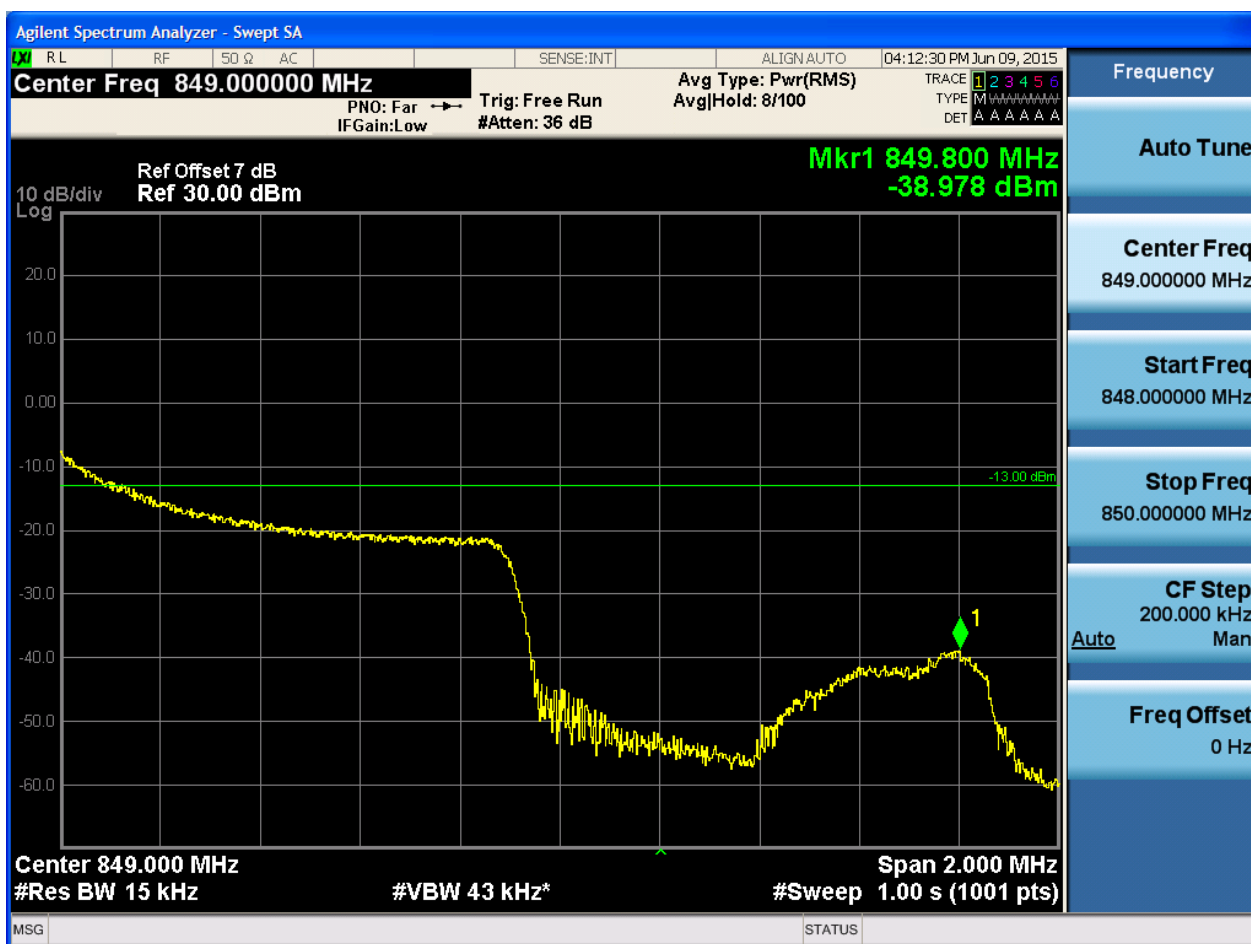


5.1.1.2.1.1.4 Test RB = RB6#0



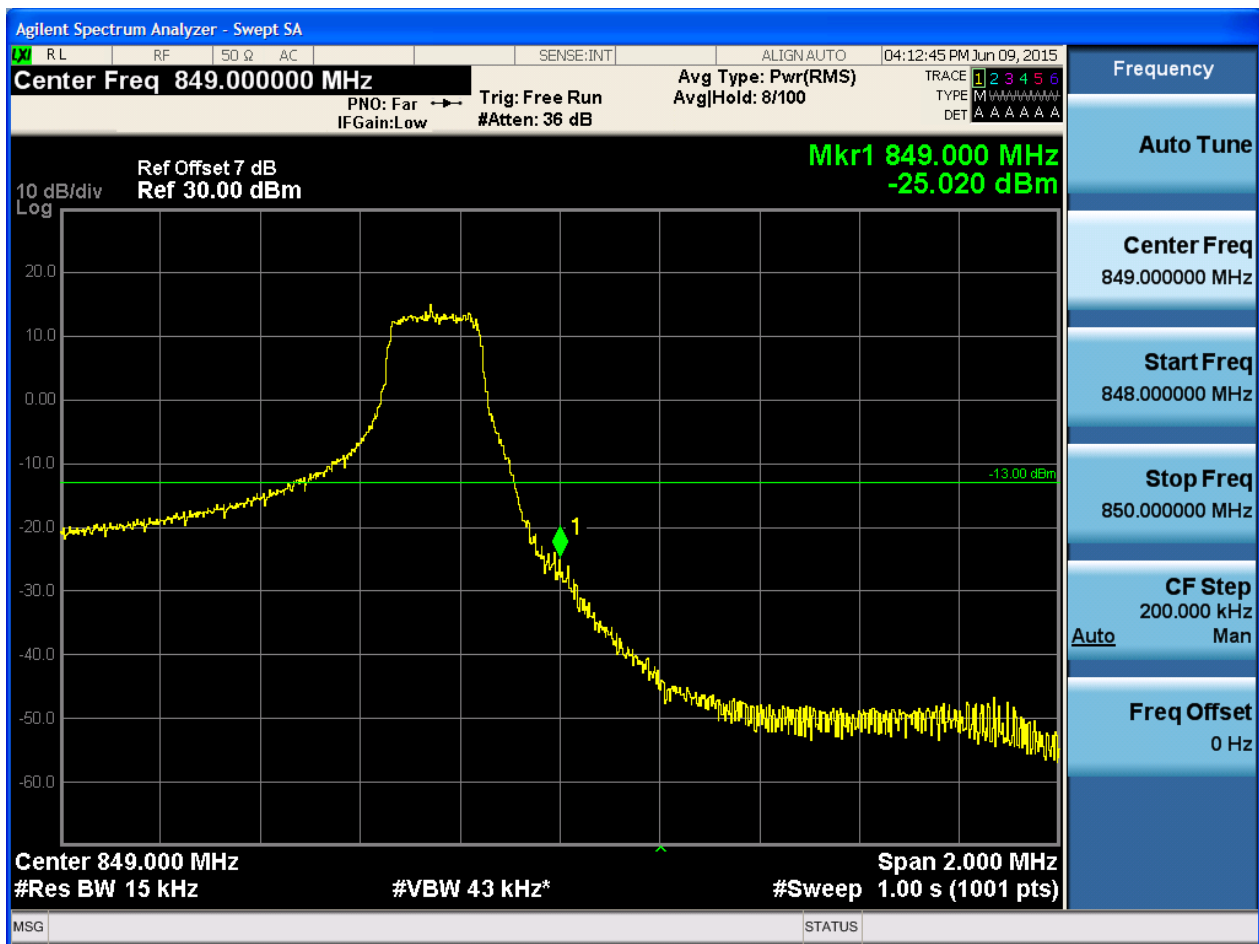
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5



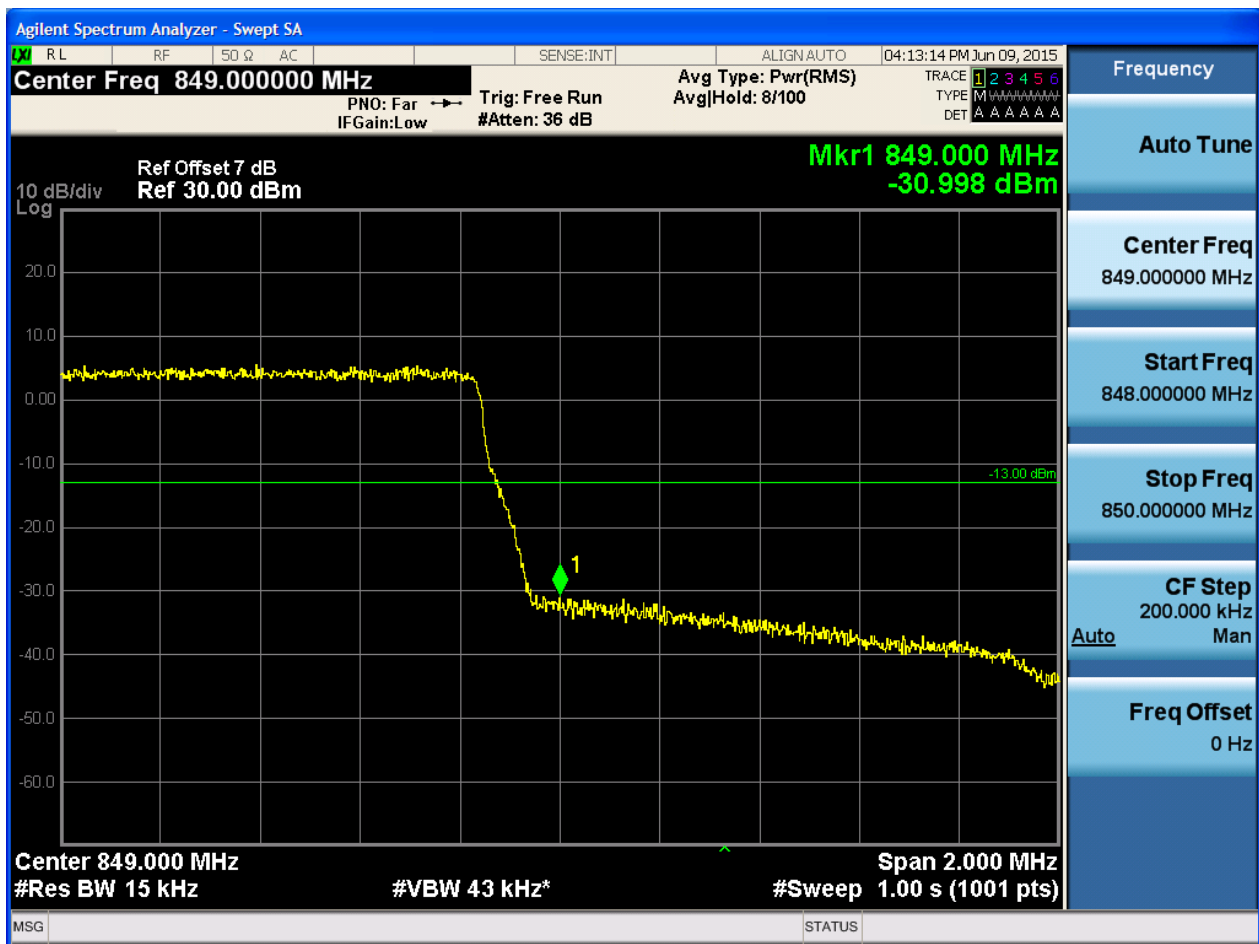


5.1.1.2.1.2.3 Test RB = RB3#2





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

