



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
BAND5	LTE/TM1	1.4	LCH	RB1#0	22.44	17.8	38.5	PASS
				RB1#3	22.36	17.72	38.5	PASS
				RB1#5	22.39	17.75	38.5	PASS
				RB3#0	22.26	17.62	38.5	PASS
				RB3#2	22.38	17.74	38.5	PASS
				RB3#3	22.39	17.75	38.5	PASS
			MCH	RB6#0	21.4	16.76	38.5	PASS
				RB1#0	22.54	17.9	38.5	PASS
				RB1#3	22.46	17.82	38.5	PASS
				RB1#5	22.37	17.73	38.5	PASS
				RB3#0	22.41	17.77	38.5	PASS
				RB3#2	22.31	17.67	38.5	PASS
				RB3#3	22.26	17.62	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.27	16.63	38.5	PASS
			HCH	RB1#0	22.47	17.83	38.5	PASS
				RB1#3	22.54	17.9	38.5	PASS
				RB1#5	22.39	17.75	38.5	PASS
				RB3#0	22.42	17.78	38.5	PASS
				RB3#2	22.36	17.72	38.5	PASS
				RB3#3	22.55	17.91	38.5	PASS
				RB6#0	21.35	16.71	38.5	PASS
		3	LCH	RB1#0	22.54	17.9	38.5	PASS
				RB1#7	22.57	17.93	38.5	PASS
				RB1#14	22.6	17.96	38.5	PASS
				RB8#0	21.44	16.8	38.5	PASS
				RB8#4	21.36	16.72	38.5	PASS
				RB8#7	21.43	16.79	38.5	PASS
				RB15#0	21.46	16.82	38.5	PASS
			MCH	RB1#0	22.46	17.82	38.5	PASS
				RB1#7	22.48	17.84	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.43	17.79	38.5	PASS
				RB8#0	21.29	16.65	38.5	PASS
				RB8#4	21.27	16.63	38.5	PASS
				RB8#7	21.29	16.65	38.5	PASS
				RB15#0	21.32	16.68	38.5	PASS
			HCH	RB1#0	22.54	17.9	38.5	PASS
				RB1#7	22.54	17.9	38.5	PASS
				RB1#14	22.54	17.9	38.5	PASS
				RB8#0	21.32	16.68	38.5	PASS
				RB8#4	21.43	16.79	38.5	PASS
				RB8#7	21.36	16.72	38.5	PASS
				RB15#0	21.48	16.84	38.5	PASS
		5	LCH	RB1#0	22.48	17.84	38.5	PASS
				RB1#13	22.39	17.75	38.5	PASS
				RB1#24	22.39	17.75	38.5	PASS
				RB12#0	21.51	16.87	38.5	PASS
				RB12#6	21.42	16.78	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.39	16.75	38.5	PASS
				RB25#0	21.47	16.83	38.5	PASS
			MCH	RB1#0	22.69	18.05	38.5	PASS
				RB1#13	22.25	17.61	38.5	PASS
				RB1#24	22.3	17.66	38.5	PASS
				RB12#0	21.45	16.81	38.5	PASS
				RB12#6	21.31	16.67	38.5	PASS
				RB12#13	21.23	16.59	38.5	PASS
				RB25#0	21.41	16.77	38.5	PASS
			HCH	RB1#0	22.56	17.92	38.5	PASS
				RB1#13	22.36	17.72	38.5	PASS
				RB1#24	22.59	17.95	38.5	PASS
				RB12#0	21.46	16.82	38.5	PASS
				RB12#6	21.31	16.67	38.5	PASS
				RB12#13	21.41	16.77	38.5	PASS
				RB25#0	21.45	16.81	38.5	PASS
		10	LCH	RB1#0	22.52	17.88	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.65	18.01	38.5	PASS
				RB1#49	22.73	18.09	38.5	PASS
				RB25#0	21.48	16.84	38.5	PASS
				RB25#13	21.4	16.76	38.5	PASS
				RB25#25	21.35	16.71	38.5	PASS
				RB50#0	21.41	16.77	38.5	PASS
			MCH	RB1#0	22.63	17.99	38.5	PASS
				RB1#25	22.48	17.84	38.5	PASS
				RB1#49	22.54	17.9	38.5	PASS
				RB25#0	21.44	16.8	38.5	PASS
				RB25#13	21.28	16.64	38.5	PASS
				RB25#25	21.3	16.66	38.5	PASS
				RB50#0	21.38	16.74	38.5	PASS
			HCH	RB1#0	22.69	18.05	38.5	PASS
				RB1#25	22.56	17.92	38.5	PASS
				RB1#49	22.61	17.97	38.5	PASS
				RB25#0	21.32	16.68	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.4	16.76	38.5	PASS
				RB25#25	21.35	16.71	38.5	PASS
				RB50#0	21.44	16.8	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.81	17.17	38.5	PASS
				RB1#3	21.87	17.23	38.5	PASS
				RB1#5	21.91	17.27	38.5	PASS
				RB3#0	21.8	17.16	38.5	PASS
				RB3#2	21.44	16.8	38.5	PASS
				RB3#3	21.43	16.79	38.5	PASS
				RB6#0	20.3	15.66	38.5	PASS
			MCH	RB1#0	21.83	17.19	38.5	PASS
				RB1#3	21.78	17.14	38.5	PASS
				RB1#5	21.79	17.15	38.5	PASS
				RB3#0	21.28	16.64	38.5	PASS
				RB3#2	20.91	16.27	38.5	PASS
				RB3#3	20.85	16.21	38.5	PASS
				RB6#0	20.26	15.62	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.95	17.31	38.5	PASS
				RB1#3	21.94	17.3	38.5	PASS
				RB1#5	21.89	17.25	38.5	PASS
				RB3#0	21.23	16.59	38.5	PASS
				RB3#2	21.34	16.7	38.5	PASS
				RB3#3	21.25	16.61	38.5	PASS
				RB6#0	20.28	15.64	38.5	PASS
		3	LCH	RB1#0	21.51	16.87	38.5	PASS
				RB1#7	21.47	16.83	38.5	PASS
				RB1#14	21.54	16.9	38.5	PASS
				RB8#0	20.45	15.81	38.5	PASS
				RB8#4	20.48	15.84	38.5	PASS
				RB8#7	20.34	15.7	38.5	PASS
				RB15#0	20.4	15.76	38.5	PASS
			MCH	RB1#0	21.6	16.96	38.5	PASS
				RB1#7	21.41	16.77	38.5	PASS
				RB1#14	21.33	16.69	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.25	15.61	38.5	PASS
				RB8#4	20.32	15.68	38.5	PASS
				RB8#7	20.34	15.7	38.5	PASS
				RB15#0	20.38	15.74	38.5	PASS
			HCH	RB1#0	21.54	16.9	38.5	PASS
				RB1#7	21.4	16.76	38.5	PASS
				RB1#14	21.38	16.74	38.5	PASS
				RB8#0	20.27	15.63	38.5	PASS
				RB8#4	20.28	15.64	38.5	PASS
				RB8#7	20.34	15.7	38.5	PASS
				RB15#0	20.26	15.62	38.5	PASS
		5	LCH	RB1#0	21.46	16.82	38.5	PASS
				RB1#13	21.18	16.54	38.5	PASS
				RB1#24	21.25	16.61	38.5	PASS
				RB12#0	20.17	15.53	38.5	PASS
				RB12#6	20.08	15.44	38.5	PASS
				RB12#13	20.06	15.42	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.47	15.83	38.5	PASS
			MCH	RB1#0	21.49	16.85	38.5	PASS
				RB1#13	21.34	16.7	38.5	PASS
				RB1#24	21.4	16.76	38.5	PASS
				RB12#0	20.13	15.49	38.5	PASS
				RB12#6	20.08	15.44	38.5	PASS
				RB12#13	20	15.36	38.5	PASS
				RB25#0	20.35	15.71	38.5	PASS
			HCH	RB1#0	21.49	16.85	38.5	PASS
				RB1#13	21.46	16.82	38.5	PASS
				RB1#24	21.11	16.47	38.5	PASS
				RB12#0	20.26	15.62	38.5	PASS
				RB12#6	20.49	15.85	38.5	PASS
				RB12#13	20.59	15.95	38.5	PASS
				RB25#0	20.56	15.92	38.5	PASS
		10	LCH	RB1#0	21.86	17.22	38.5	PASS
				RB1#25	21.59	16.95	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.48	16.84	38.5	PASS
				RB25#0	20.3	15.66	38.5	PASS
				RB25#13	20.34	15.7	38.5	PASS
				RB25#25	20.49	15.85	38.5	PASS
				RB50#0	20.48	15.84	38.5	PASS
			MCH	RB1#0	21.81	17.17	38.5	PASS
				RB1#25	21.45	16.81	38.5	PASS
				RB1#49	21.67	17.03	38.5	PASS
				RB25#0	20.48	15.84	38.5	PASS
				RB25#13	20.23	15.59	38.5	PASS
				RB25#25	20.25	15.61	38.5	PASS
				RB50#0	20.31	15.67	38.5	PASS
			HCH	RB1#0	21.77	17.13	38.5	PASS
				RB1#25	21.73	17.09	38.5	PASS
				RB1#49	21.72	17.08	38.5	PASS
				RB25#0	20.49	15.85	38.5	PASS
				RB25#13	20.26	15.62	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.21	15.57	38.5	PASS
				RB50#0	20.32	15.68	38.5	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,

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

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

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
BAND5	LTE/TM1	1.4	LCH	RB1#0	4.37	13	PASS
				RB1#3	4.35	13	PASS
				RB1#5	4.41	13	PASS
				RB3#0	4.82	13	PASS
				RB3#2	4.79	13	PASS
				RB3#3	4.85	13	PASS
				RB6#0	5.62	13	PASS
			MCH	RB1#0	4.1	13	PASS
				RB1#3	4.06	13	PASS
				RB1#5	4.11	13	PASS
				RB3#0	4.5	13	PASS
				RB3#2	4.44	13	PASS
				RB3#3	4.49	13	PASS
				RB6#0	5.55	13	PASS
			HCH	RB1#0	4.08	13	PASS
				RB1#3	4.02	13	PASS
				RB1#5	4.06	13	PASS
				RB3#0	4.46	13	PASS
				RB3#2	4.42	13	PASS
				RB3#3	4.44	13	PASS
			3	LCH	RB6#0	5.58	13
		RB1#0			4.54	13	PASS
		RB1#7			4.48	13	PASS
		RB1#14			4.53	13	PASS
		RB8#0			5.14	13	PASS
		RB8#4			5.04	13	PASS
		RB8#7			5.13	13	PASS
		RB15#0		5.26	13	PASS	
		MCH		RB1#0	4.18	13	PASS
			RB1#7	4.17	13	PASS	

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	4.3	13	PASS
				RB8#0	5.02	13	PASS
				RB8#4	4.91	13	PASS
				RB8#7	5.07	13	PASS
				RB15#0	5.42	13	PASS
			HCH	RB1#0	4.34	13	PASS
				RB1#7	4.17	13	PASS
				RB1#14	4.19	13	PASS
				RB8#0	4.99	13	PASS
				RB8#4	4.75	13	PASS
				RB8#7	4.9	13	PASS
				RB15#0	5.04	13	PASS
		5	LCH	RB1#0	4.42	13	PASS
				RB1#13	4.36	13	PASS
				RB1#24	4.29	13	PASS
				RB12#0	5.09	13	PASS
				RB12#6	4.97	13	PASS
				RB12#13	5.04	13	PASS
				RB25#0	5.42	13	PASS
			MCH	RB1#0	4.1	13	PASS
				RB1#13	4.15	13	PASS
				RB1#24	4.32	13	PASS
				RB12#0	4.81	13	PASS
				RB12#6	4.73	13	PASS
				RB12#13	4.87	13	PASS
				RB25#0	5.2	13	PASS
			HCH	RB1#0	4.32	13	PASS
				RB1#13	4.22	13	PASS
				RB1#24	4.12	13	PASS
				RB12#0	4.98	13	PASS
				RB12#6	4.86	13	PASS
				RB12#13	4.79	13	PASS
				RB25#0	5.4	13	PASS
		10	LCH	RB1#0	4.5	13	PASS
				RB1#25	4.25	13	PASS
				RB1#49	4.12	13	PASS
				RB25#0	5.14	13	PASS
				RB25#13	4.97	13	PASS
				RB25#25	4.95	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.78	13	PASS
			MCH	RB1#0	4.17	13	PASS
				RB1#25	4.17	13	PASS
				RB1#49	4.34	13	PASS
				RB25#0	4.89	13	PASS
				RB25#13	4.85	13	PASS
				RB25#25	4.95	13	PASS
				RB50#0	5.4	13	PASS
			HCH	RB1#0	4.31	13	PASS
				RB1#25	4.35	13	PASS
				RB1#49	4.13	13	PASS
				RB25#0	5.05	13	PASS
				RB25#13	5.06	13	PASS
				RB25#25	4.93	13	PASS
				RB50#0	5.31	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.37	13	PASS
				RB1#3	5.33	13	PASS
				RB1#5	5.39	13	PASS
				RB3#0	5.69	13	PASS
				RB3#2	5.61	13	PASS
				RB3#3	5.69	13	PASS
				RB6#0	6.22	13	PASS
			MCH	RB1#0	4.99	13	PASS
				RB1#3	4.93	13	PASS
				RB1#5	5.07	13	PASS
				RB3#0	5.27	13	PASS
				RB3#2	5.23	13	PASS
				RB3#3	5.34	13	PASS
				RB6#0	5.9	13	PASS
			HCH	RB1#0	4.99	13	PASS
				RB1#3	4.82	13	PASS
				RB1#5	4.78	13	PASS
				RB3#0	5.23	13	PASS
				RB3#2	5.17	13	PASS
				RB3#3	5.24	13	PASS
				RB6#0	5.89	13	PASS
		3	LCH	RB1#0	5.24	13	PASS
				RB1#7	5.21	13	PASS
				RB1#14	5.3	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	6	13	PASS
				RB8#4	5.82	13	PASS
				RB8#7	5.9	13	PASS
				RB15#0	6.43	13	PASS
			MCH	RB1#0	4.9	13	PASS
				RB1#7	4.93	13	PASS
				RB1#14	5.11	13	PASS
				RB8#0	5.73	13	PASS
				RB8#4	5.63	13	PASS
				RB8#7	5.71	13	PASS
				RB15#0	6.26	13	PASS
			HCH	RB1#0	5.06	13	PASS
				RB1#7	4.93	13	PASS
				RB1#14	4.94	13	PASS
				RB8#0	5.8	13	PASS
				RB8#4	5.59	13	PASS
				RB8#7	5.59	13	PASS
				RB15#0	6.13	13	PASS
		5	LCH	RB1#0	5.39	13	PASS
				RB1#13	5.38	13	PASS
				RB1#24	5.34	13	PASS
				RB12#0	5.94	13	PASS
				RB12#6	5.88	13	PASS
				RB12#13	5.94	13	PASS
				RB25#0	6.28	13	PASS
			MCH	RB1#0	4.99	13	PASS
				RB1#13	5.08	13	PASS
				RB1#24	5.26	13	PASS
				RB12#0	5.66	13	PASS
				RB12#6	5.68	13	PASS
				RB12#13	5.79	13	PASS
				RB25#0	6.26	13	PASS
			HCH	RB1#0	5.25	13	PASS
				RB1#13	5.24	13	PASS
				RB1#24	5.06	13	PASS
				RB12#0	5.88	13	PASS
				RB12#6	5.74	13	PASS
				RB12#13	5.71	13	PASS
				RB25#0	6.34	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB1#0	5.54	13	PASS
				RB1#25	5.24	13	PASS
				RB1#49	5.01	13	PASS
				RB25#0	6.17	13	PASS
				RB25#13	5.89	13	PASS
				RB25#25	5.99	13	PASS
				RB50#0	6.89	13	PASS
			MCH	RB1#0	5.05	13	PASS
				RB1#25	5.06	13	PASS
				RB1#49	5.28	13	PASS
				RB25#0	5.96	13	PASS
				RB25#13	5.88	13	PASS
				RB25#25	5.99	13	PASS
				RB50#0	6.43	13	PASS
			HCH	RB1#0	5.37	13	PASS
				RB1#25	5.33	13	PASS
				RB1#49	4.91	13	PASS
				RB25#0	6.07	13	PASS
				RB25#13	6	13	PASS
				RB25#25	6.06	13	PASS
				RB50#0	6.89	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

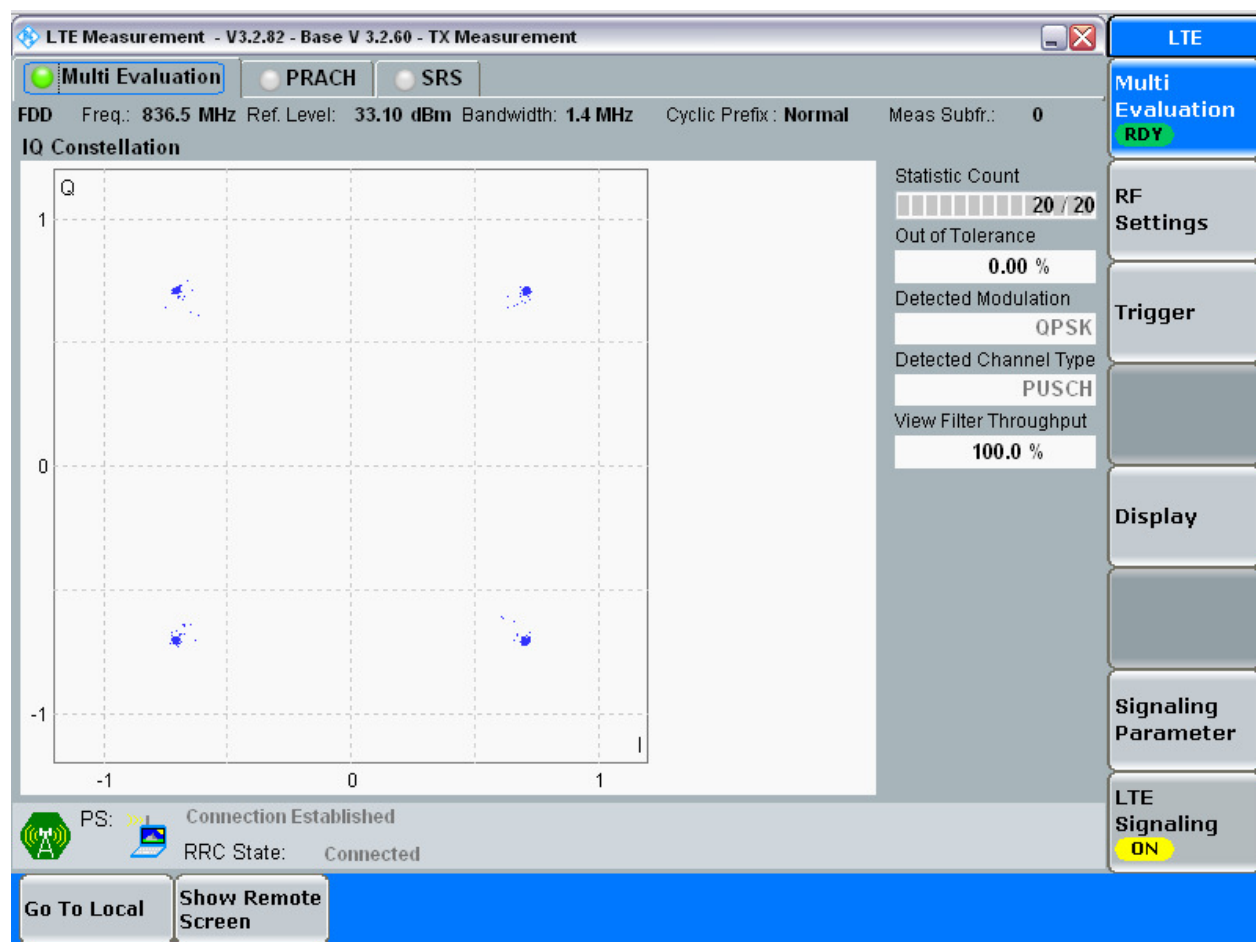
3.1.1 Test Band = BAND5

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

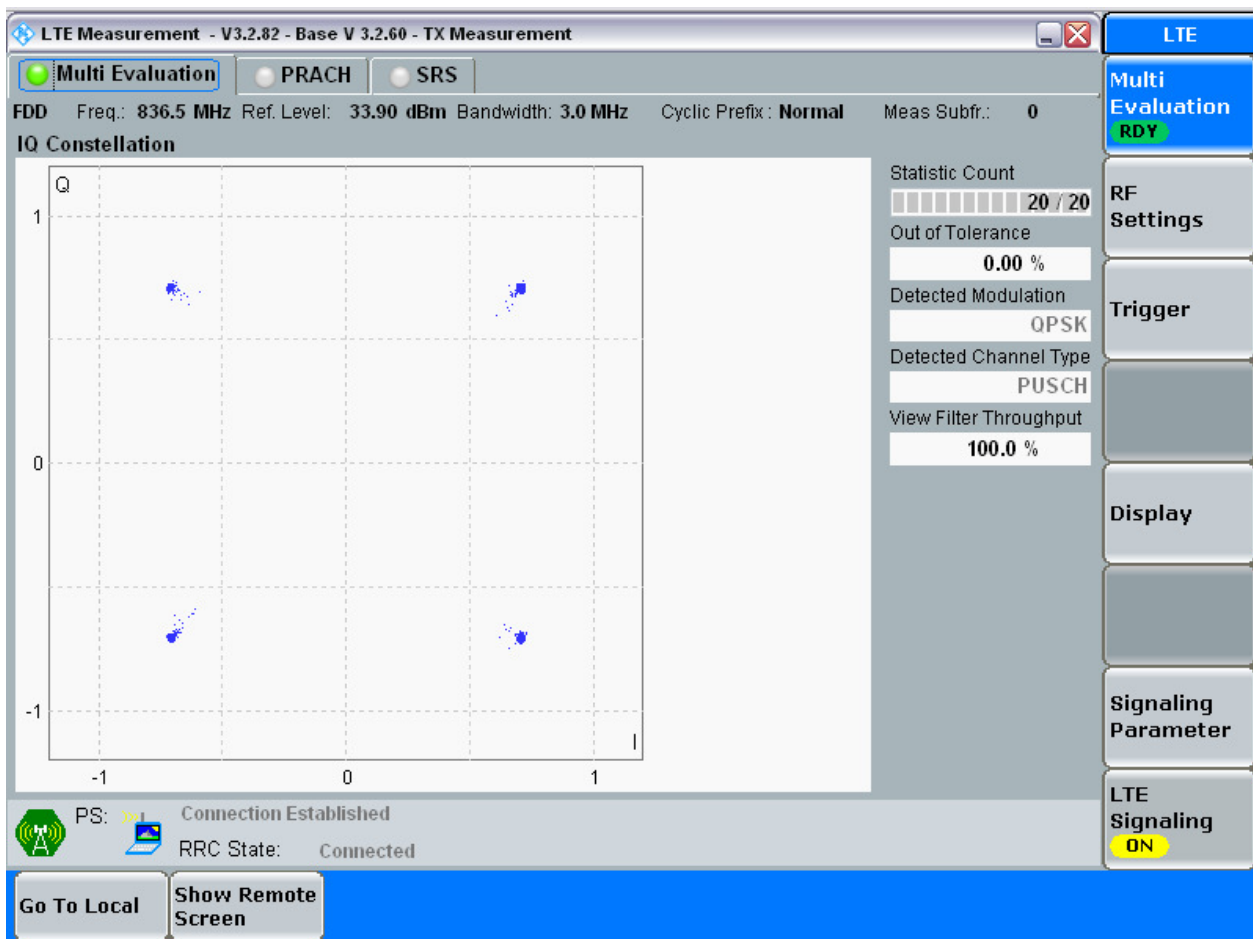
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

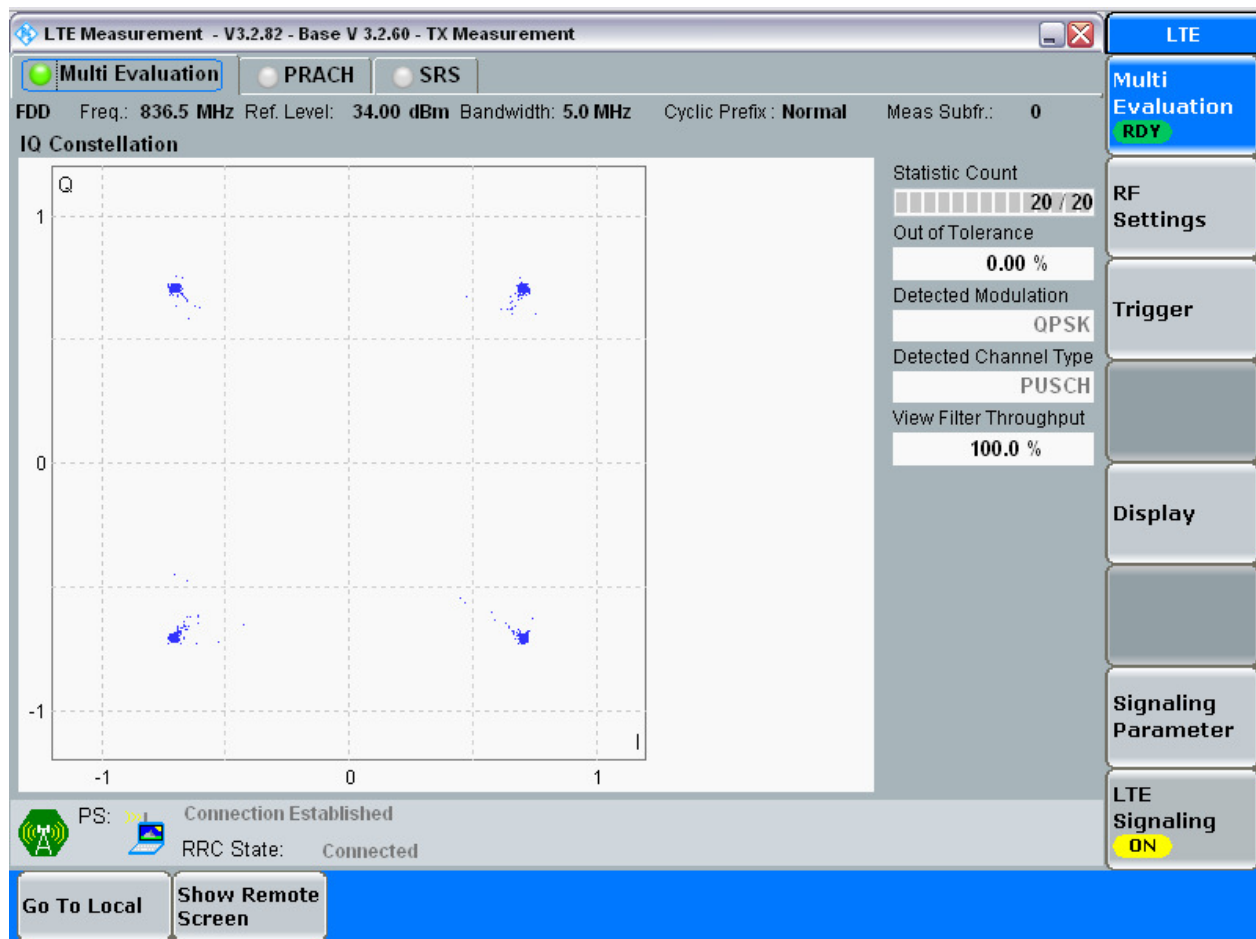
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

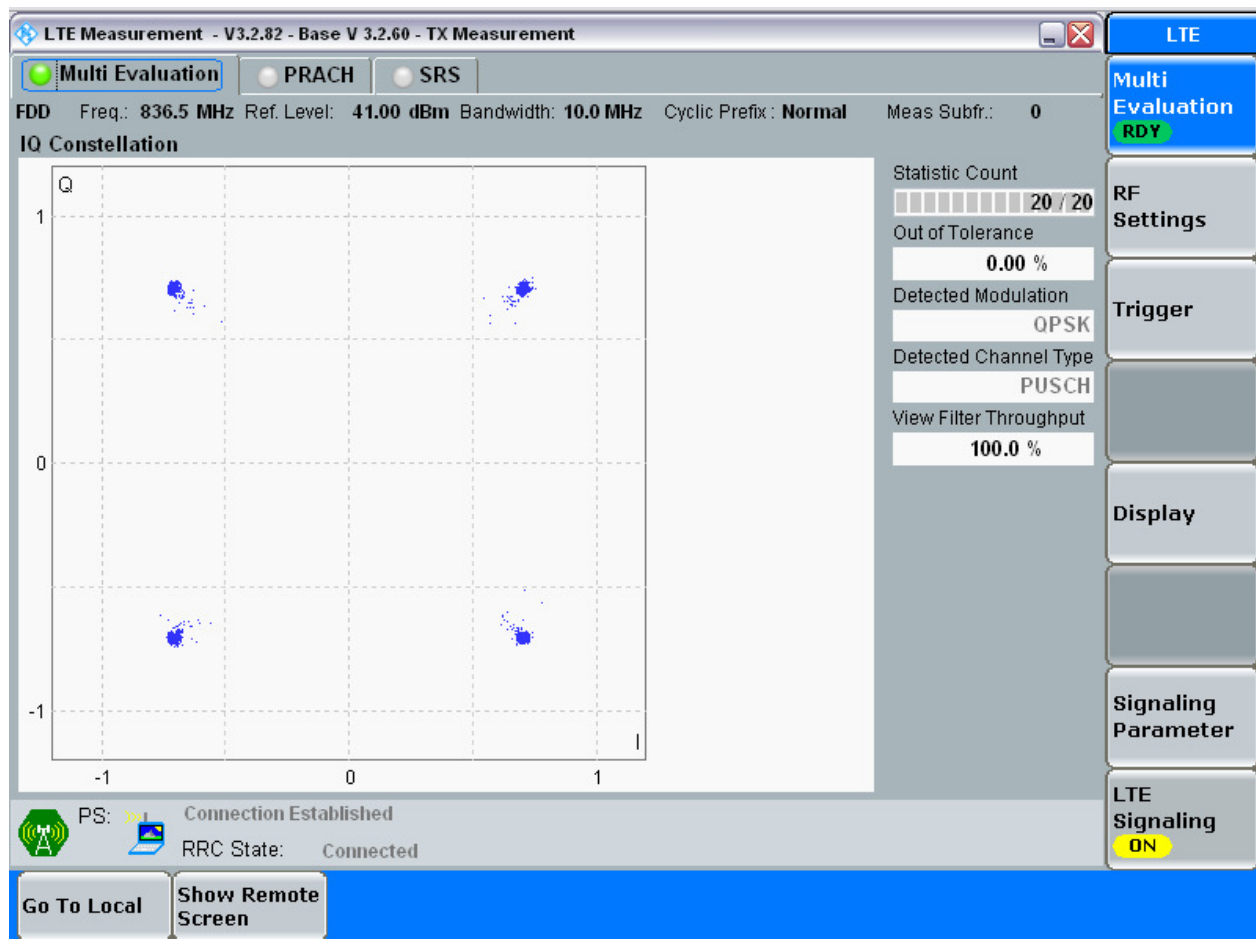
3.1.1.1.3.1.1 Test RB = RB25#0



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

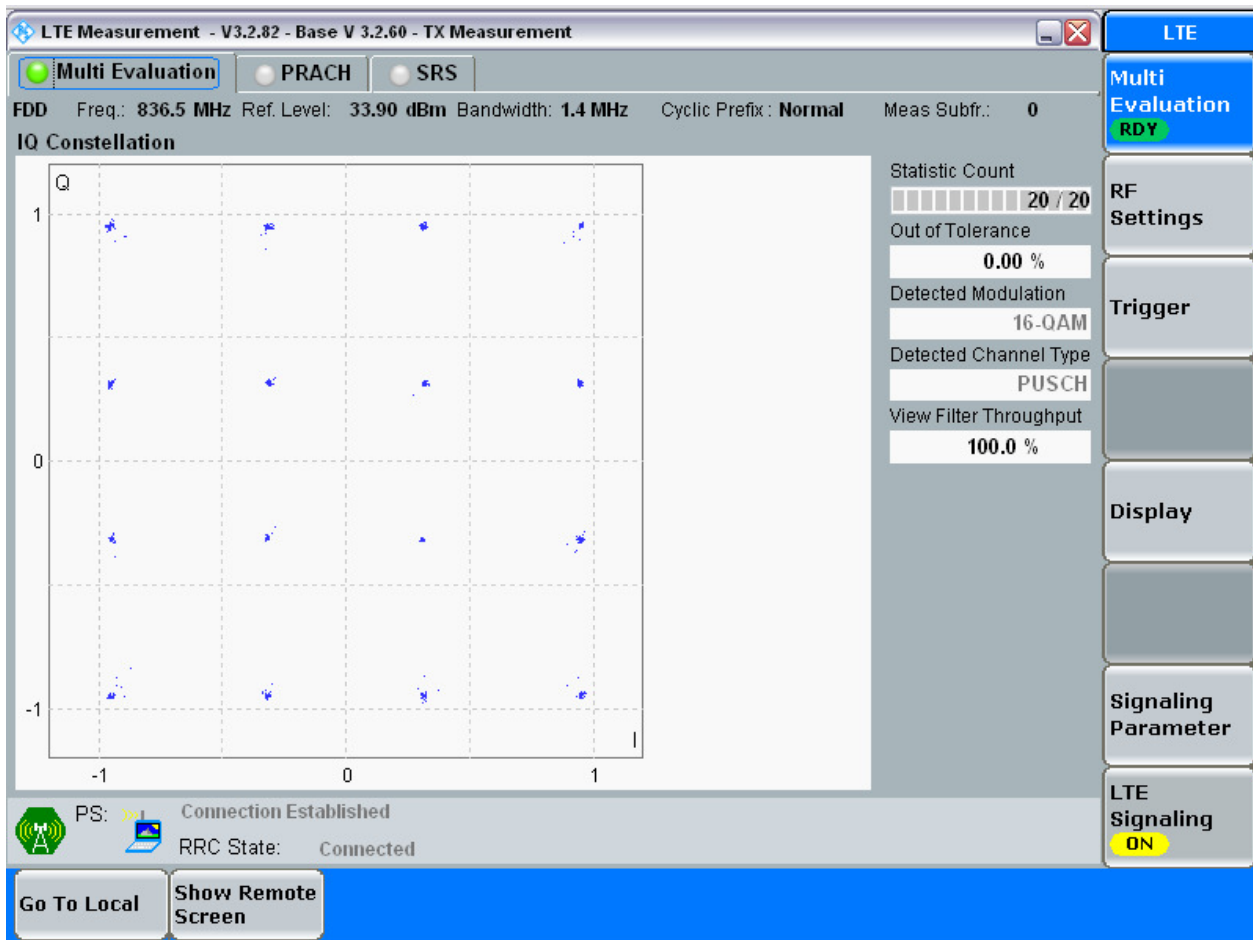


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

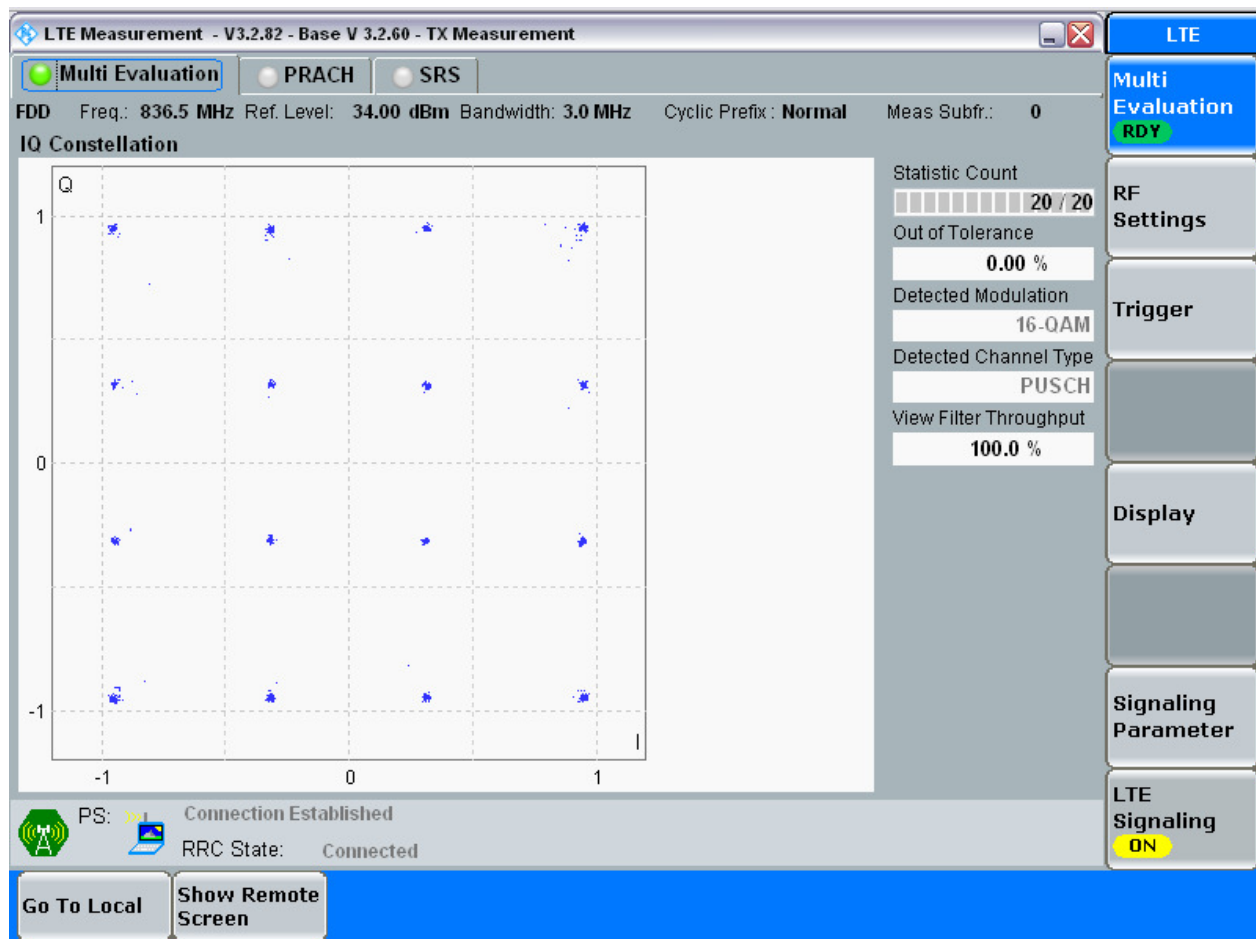
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

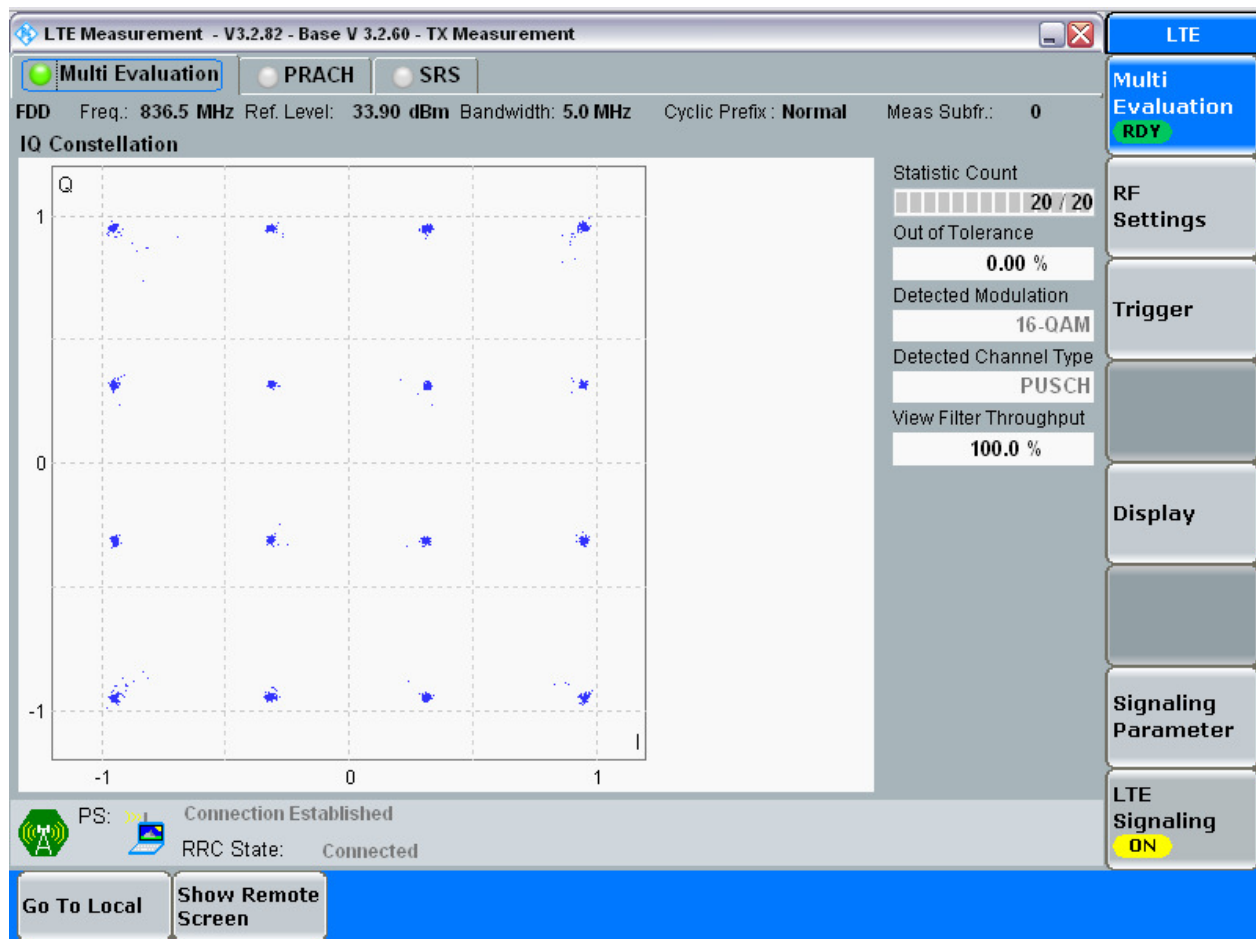
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

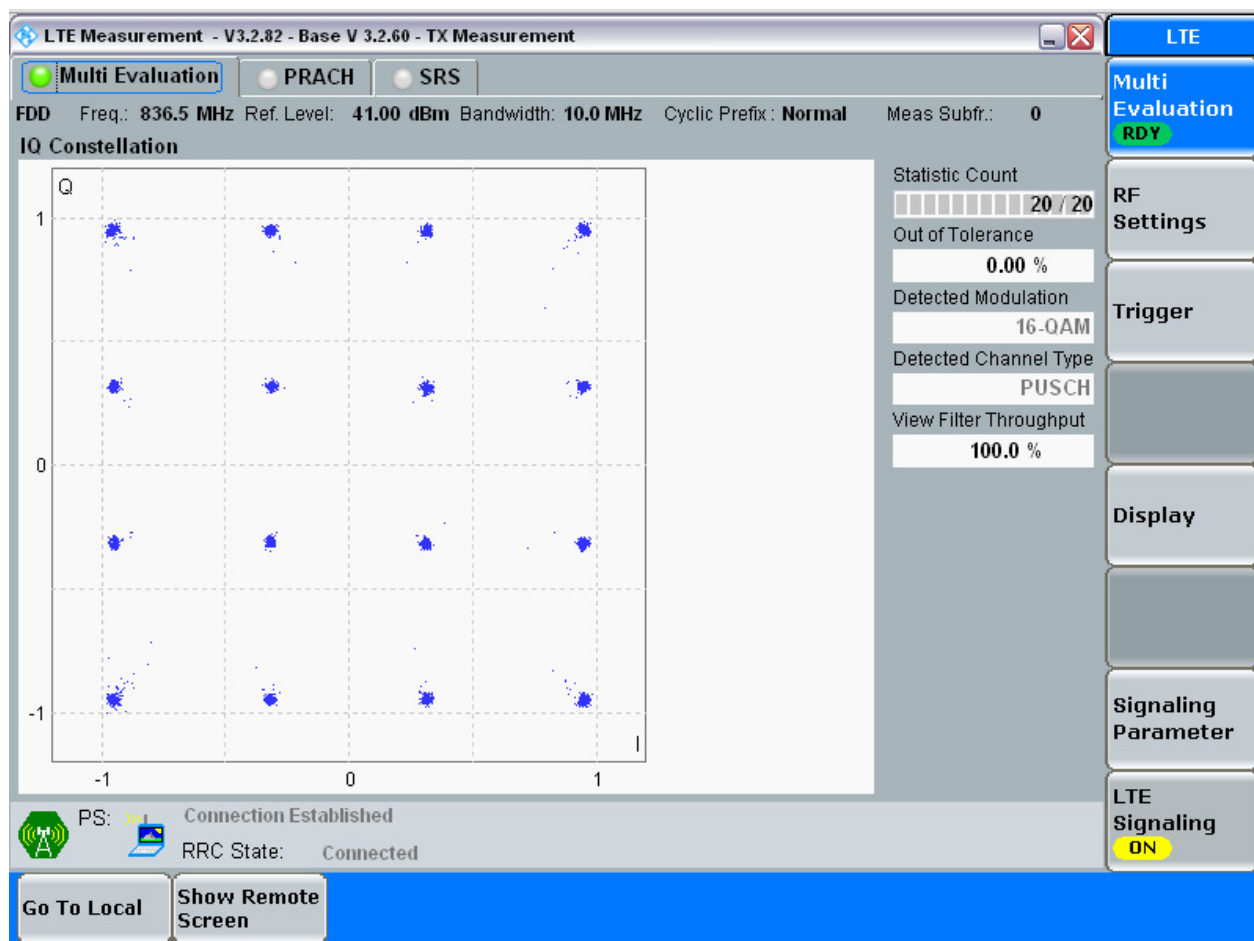
3.1.1.2.3.1.1 Test RB = RB25#0



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



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND5	LTE/TM1	1.4	LCH	RB6#0	1.09	1.25	Pass
			MCH	RB6#0	1.09	1.26	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.50	4.90	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.50	4.91	Pass
		10	LCH	RB50#0	8.99	9.64	Pass
			MCH	RB50#0	9.00	9.63	Pass
			HCH	RB50#0	8.99	9.58	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.27	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.92	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.51	4.87	Pass
			MCH	RB25#0	4.51	4.89	Pass
			HCH	RB25#0	4.51	4.85	Pass
		10	LCH	RB50#0	8.99	9.55	Pass
			MCH	RB50#0	9.00	9.62	Pass
			HCH	RB50#0	8.99	9.58	Pass



Part II - Test Plots

4.1 For LTE

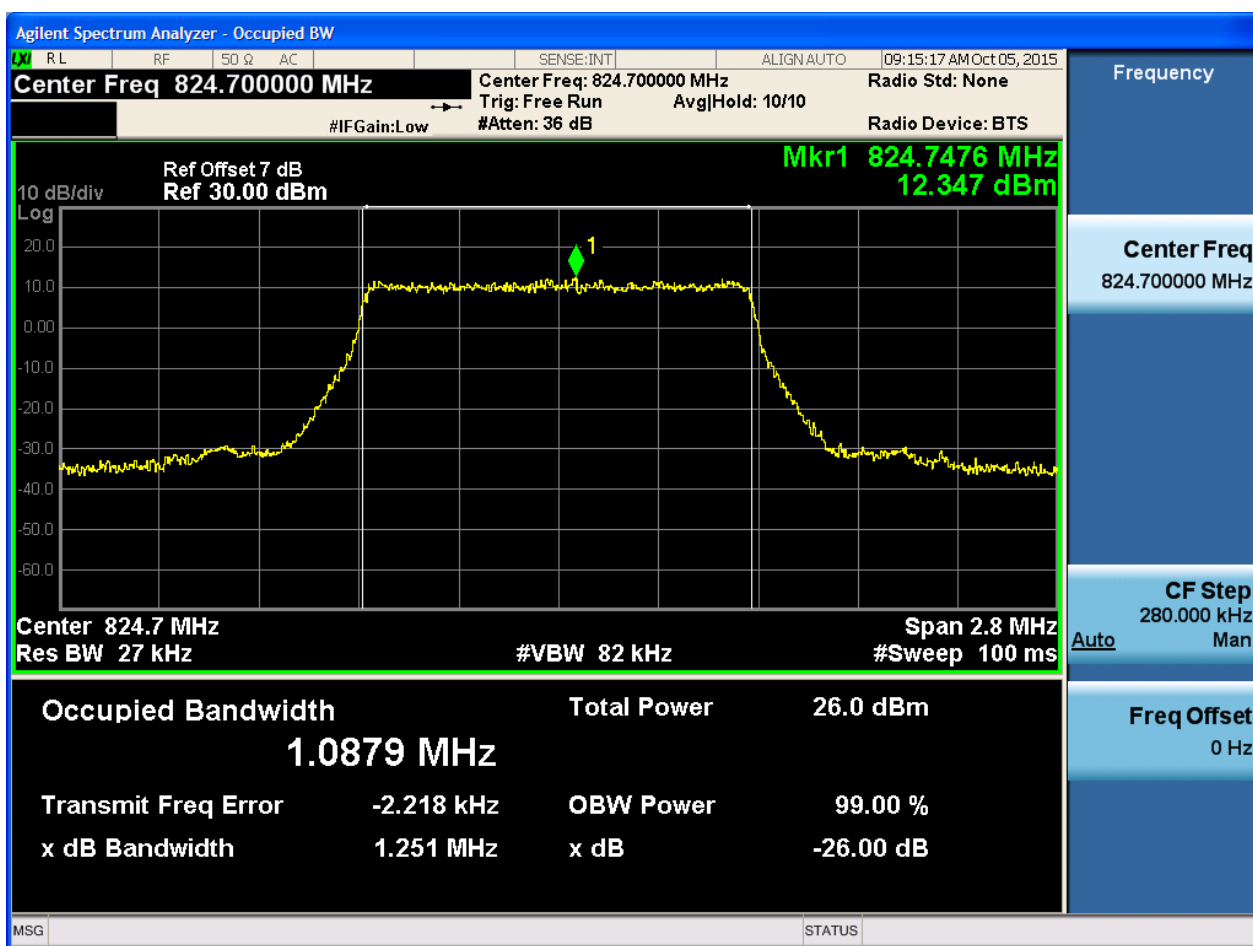
4.1.1 Test Band = BAND5

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

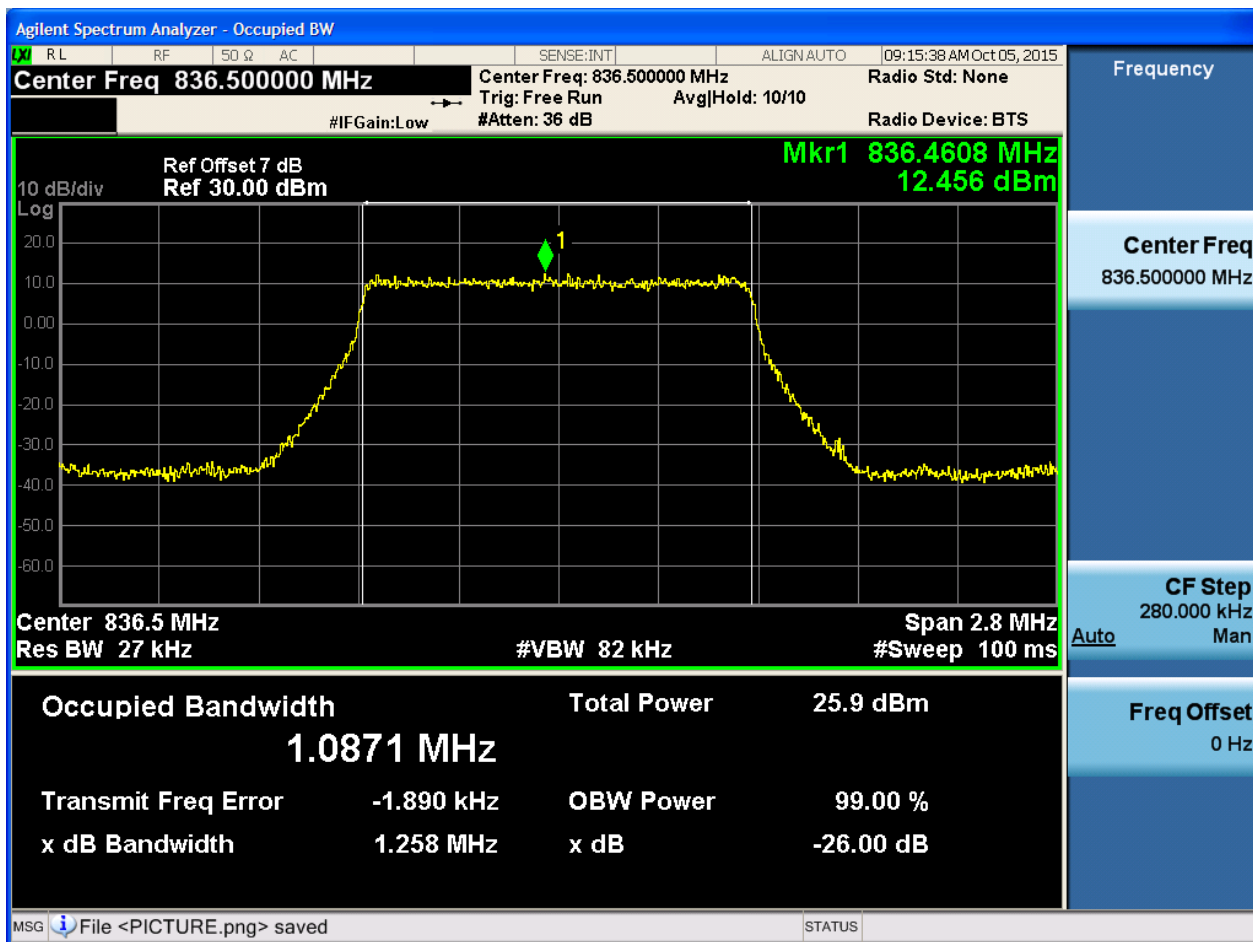
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

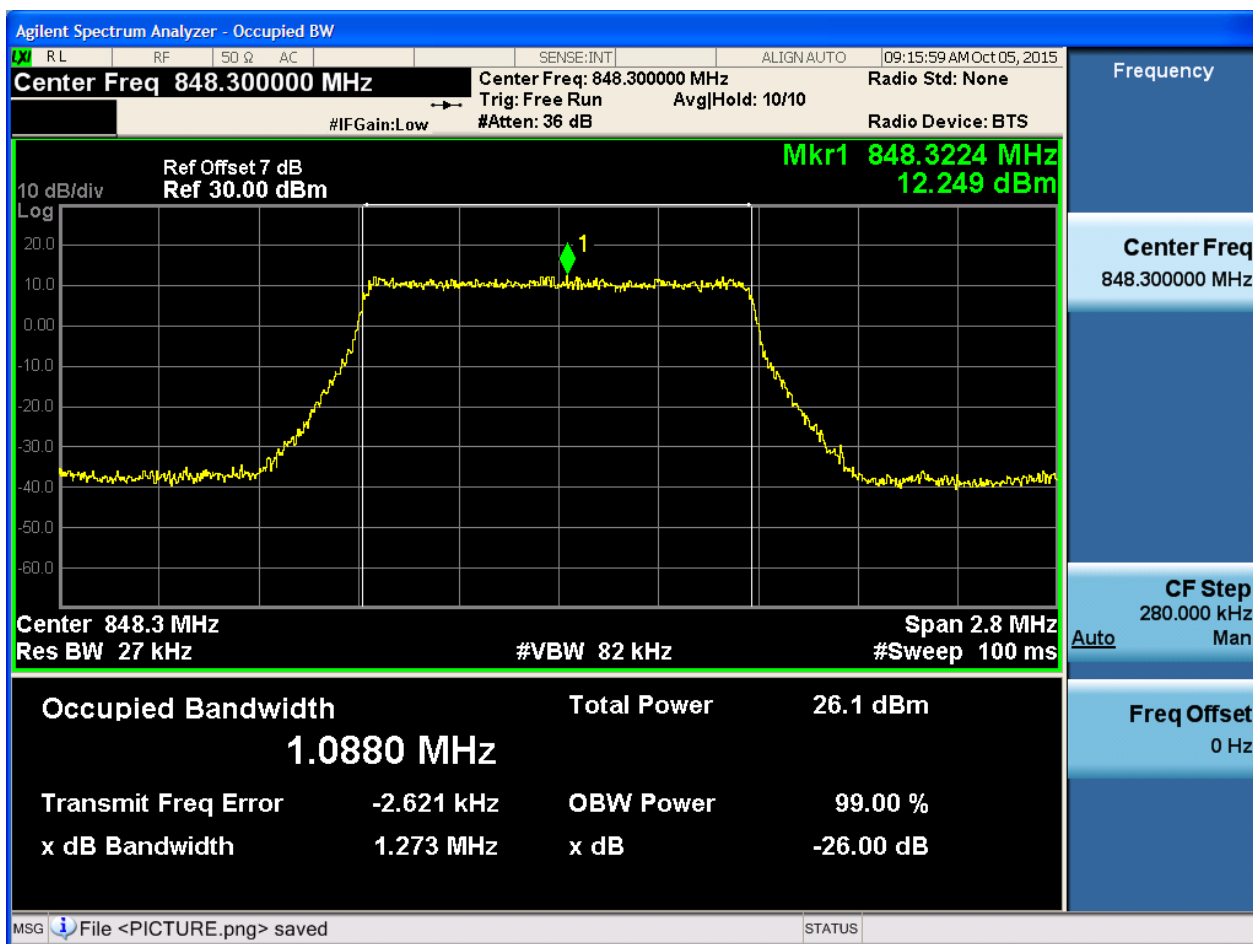
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

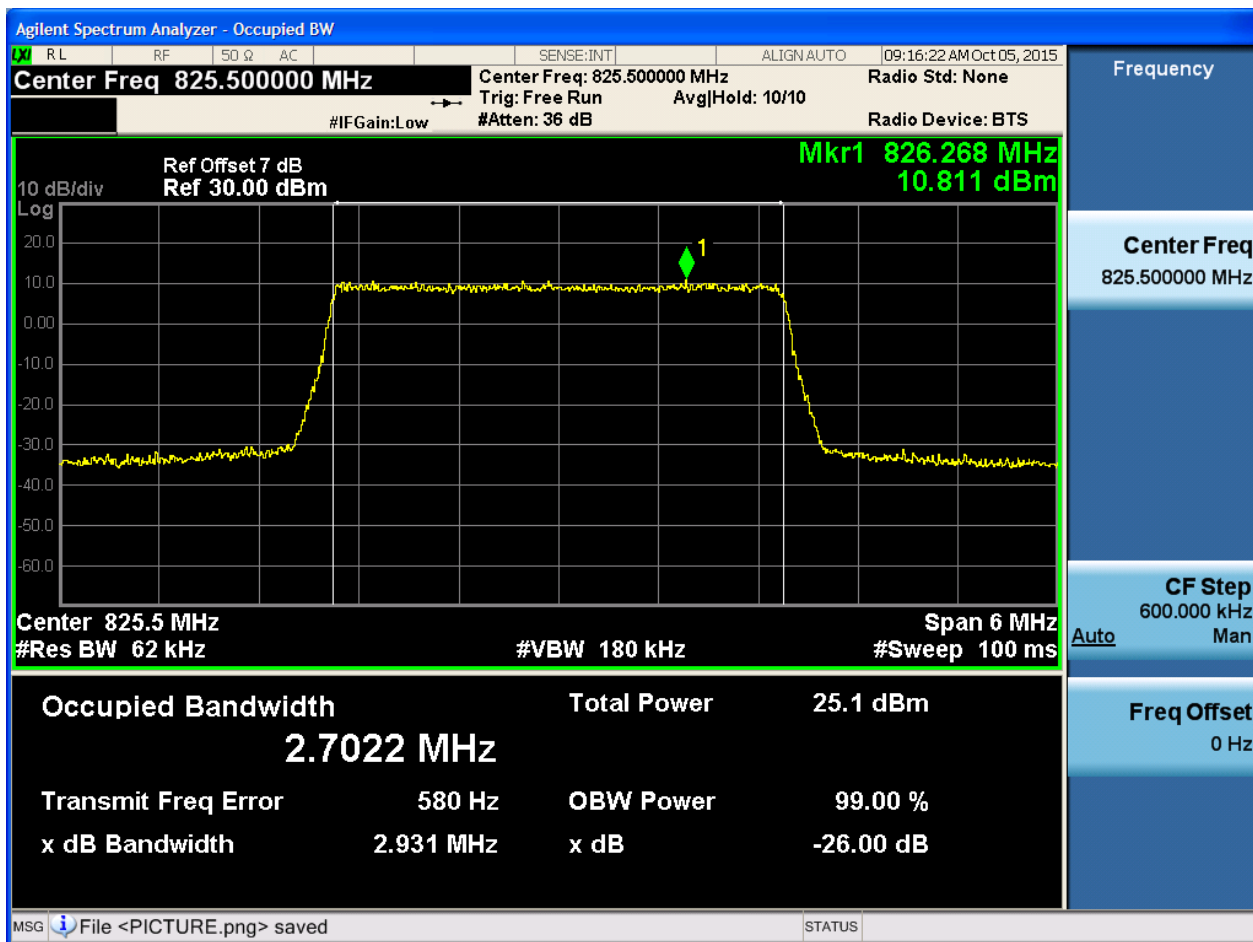




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

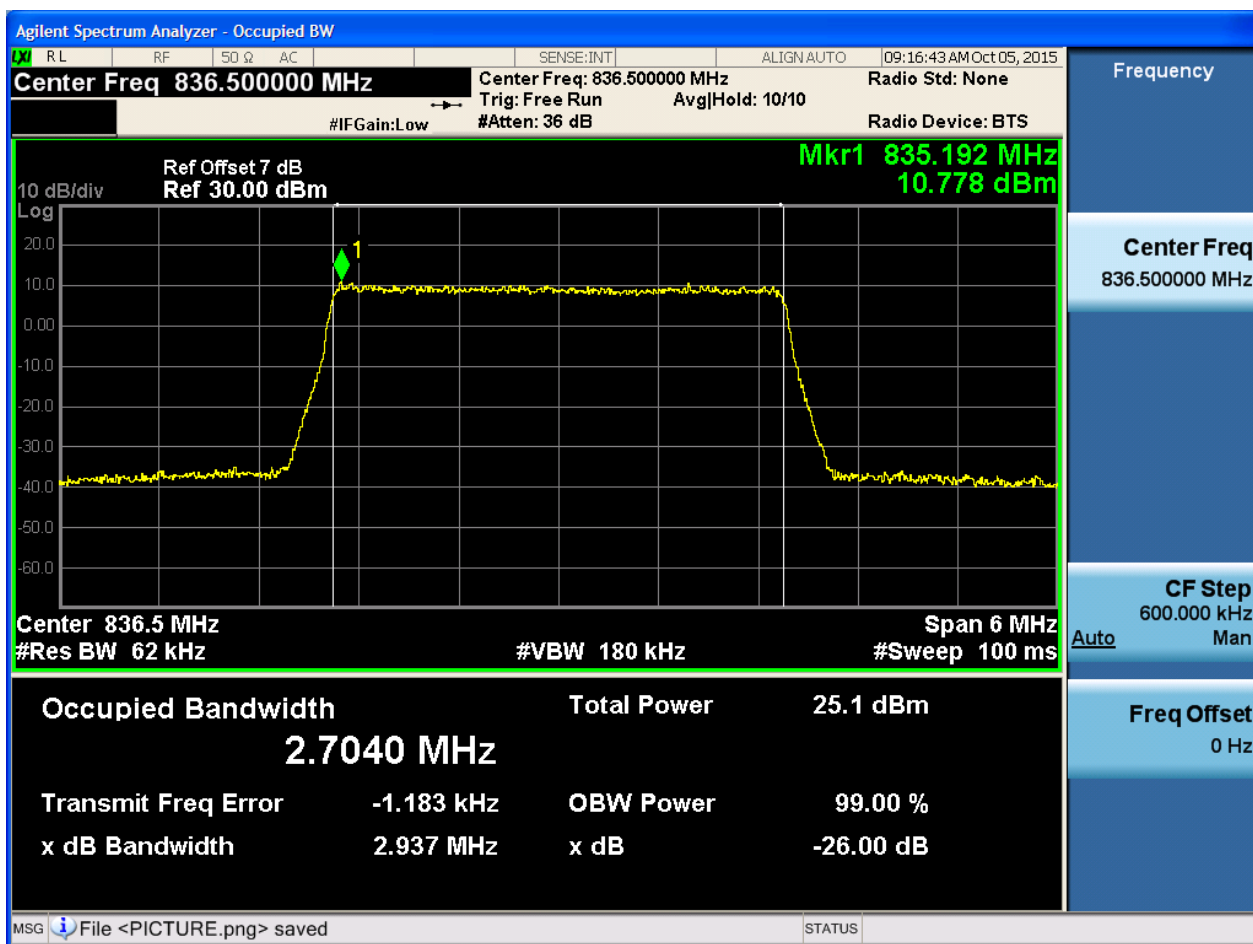
4.1.1.1.2.1.1 Test RB = RB15#0





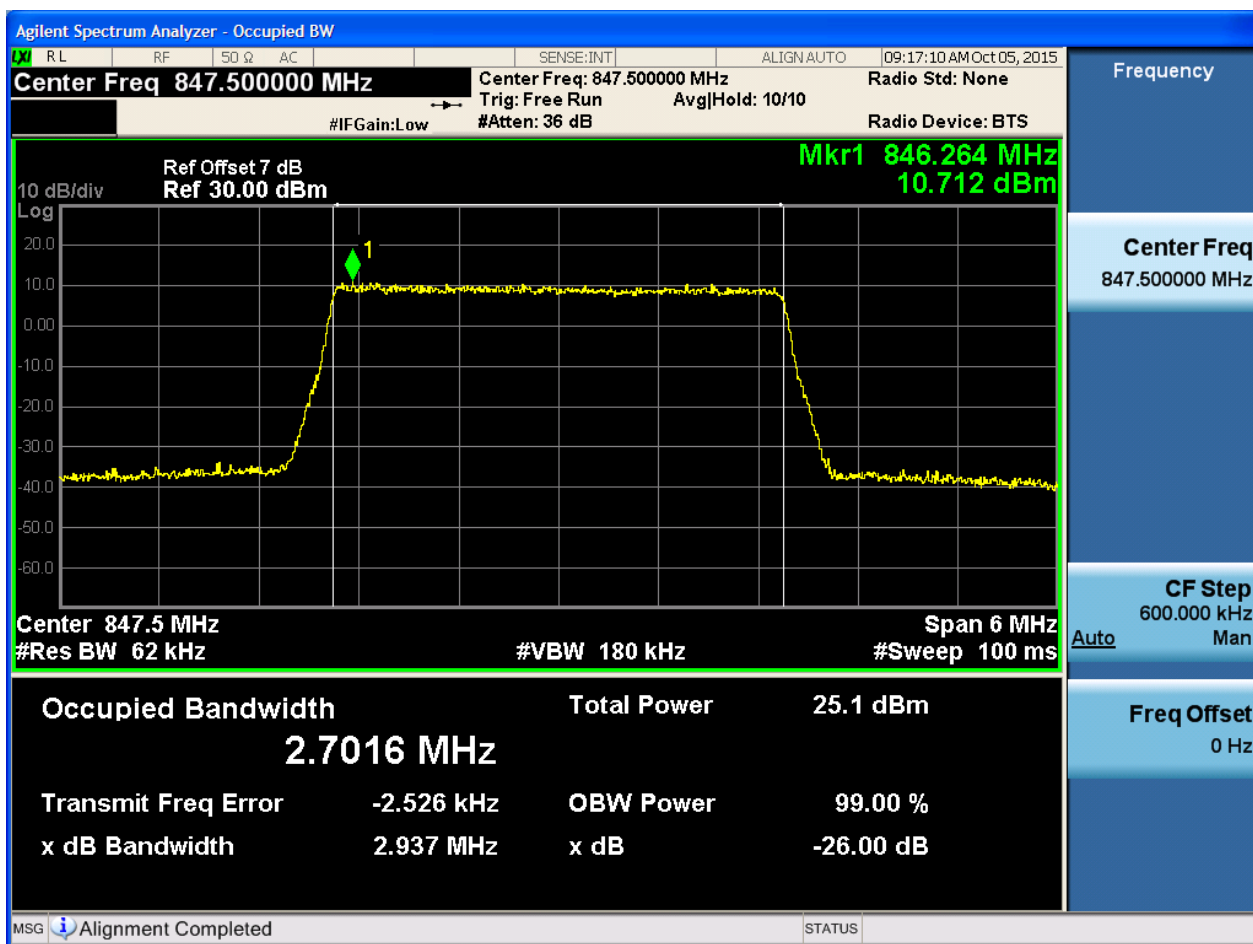
4.1.1.1.2.2 Test Channel = MCH

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

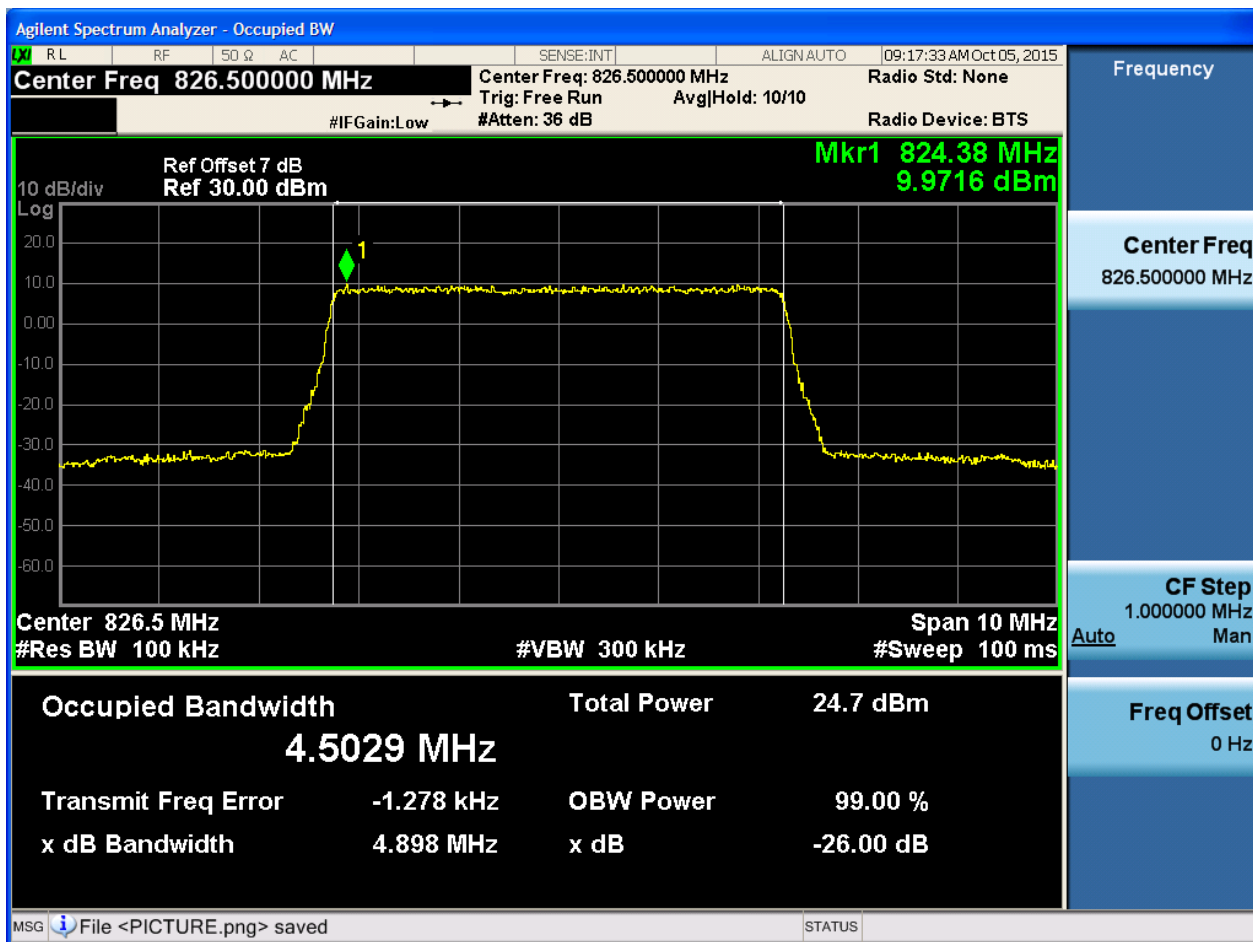




4.1.1.1.3 Test Bandwidth = 5

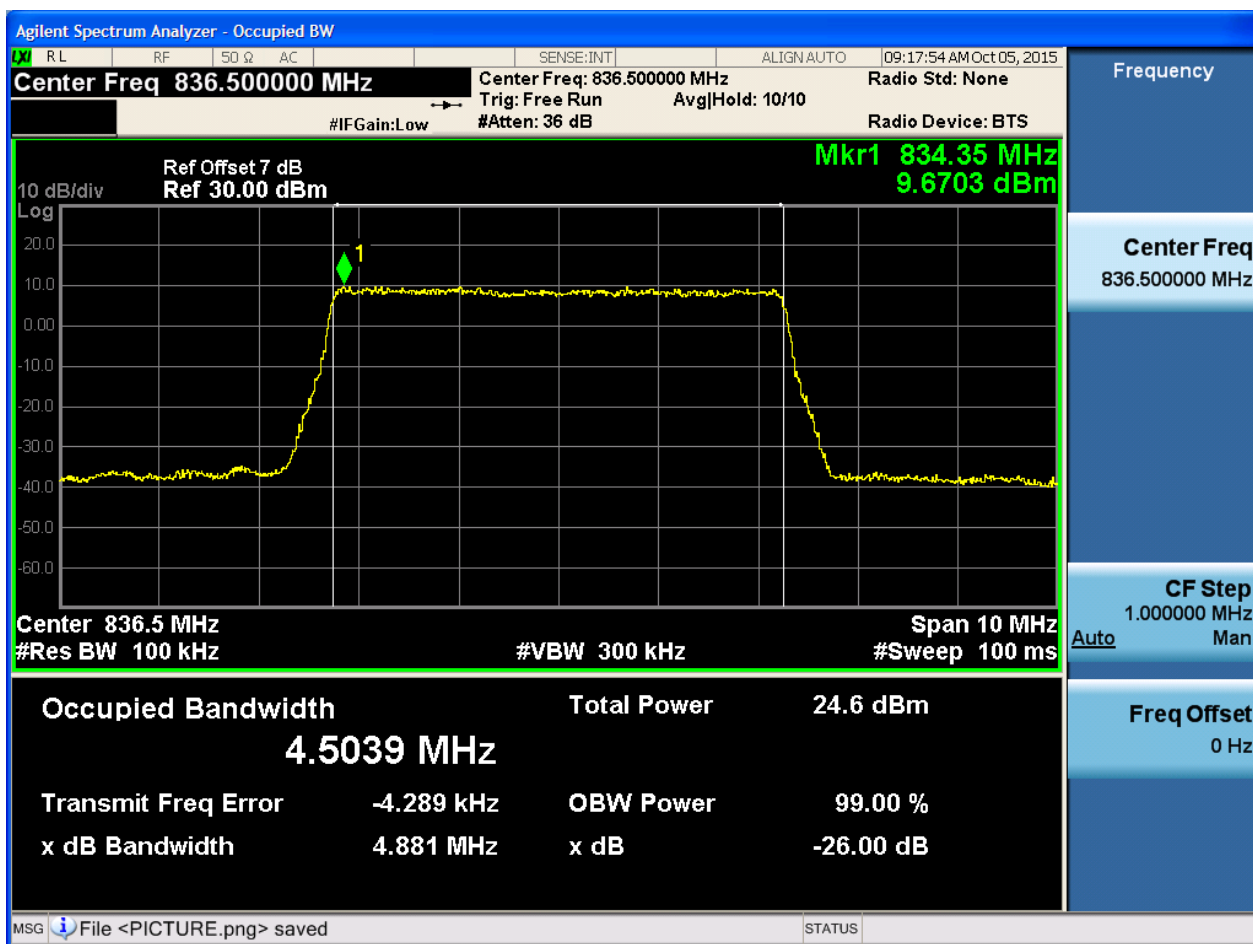
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



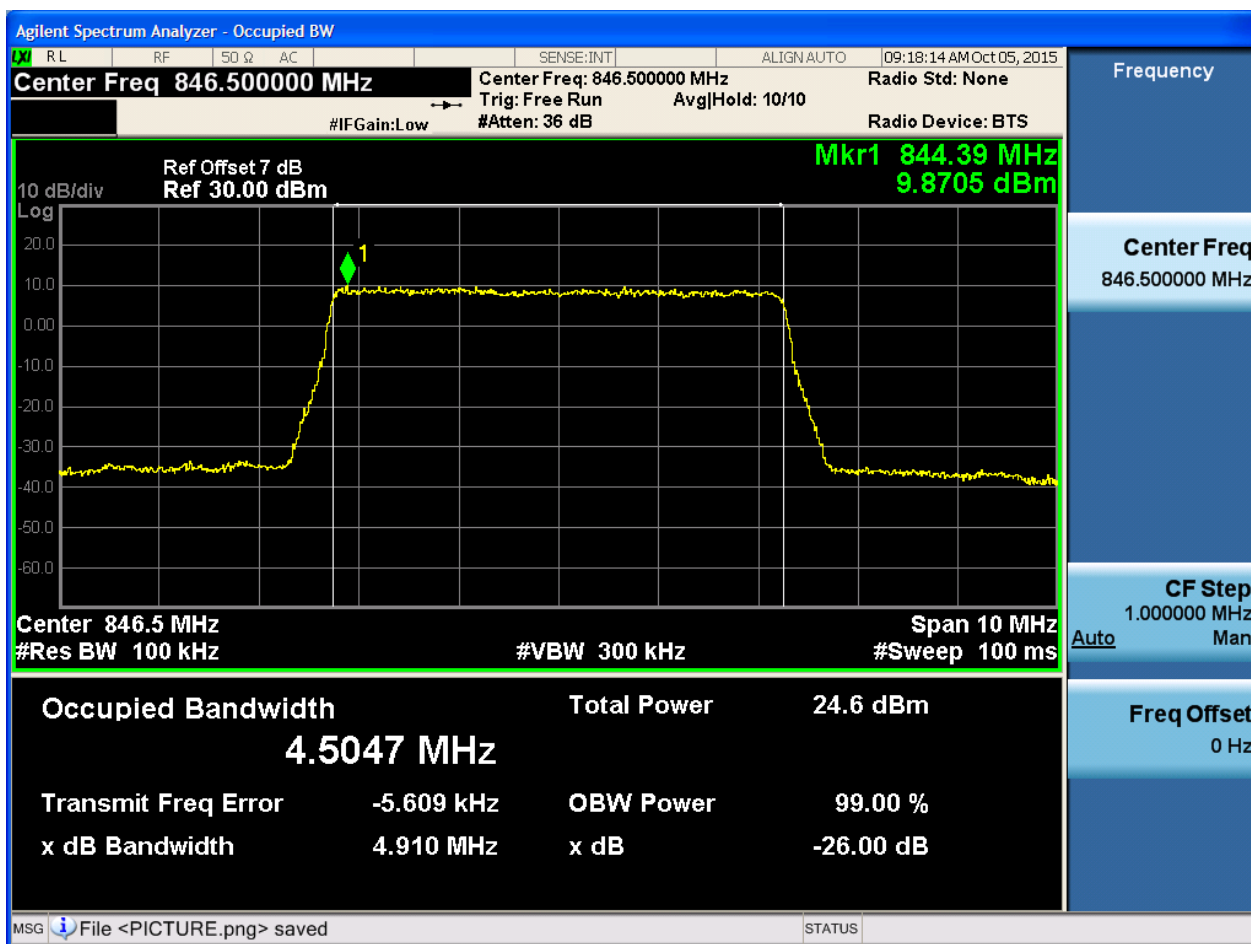
4.1.1.1.3.2 Test Channel = MCH

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

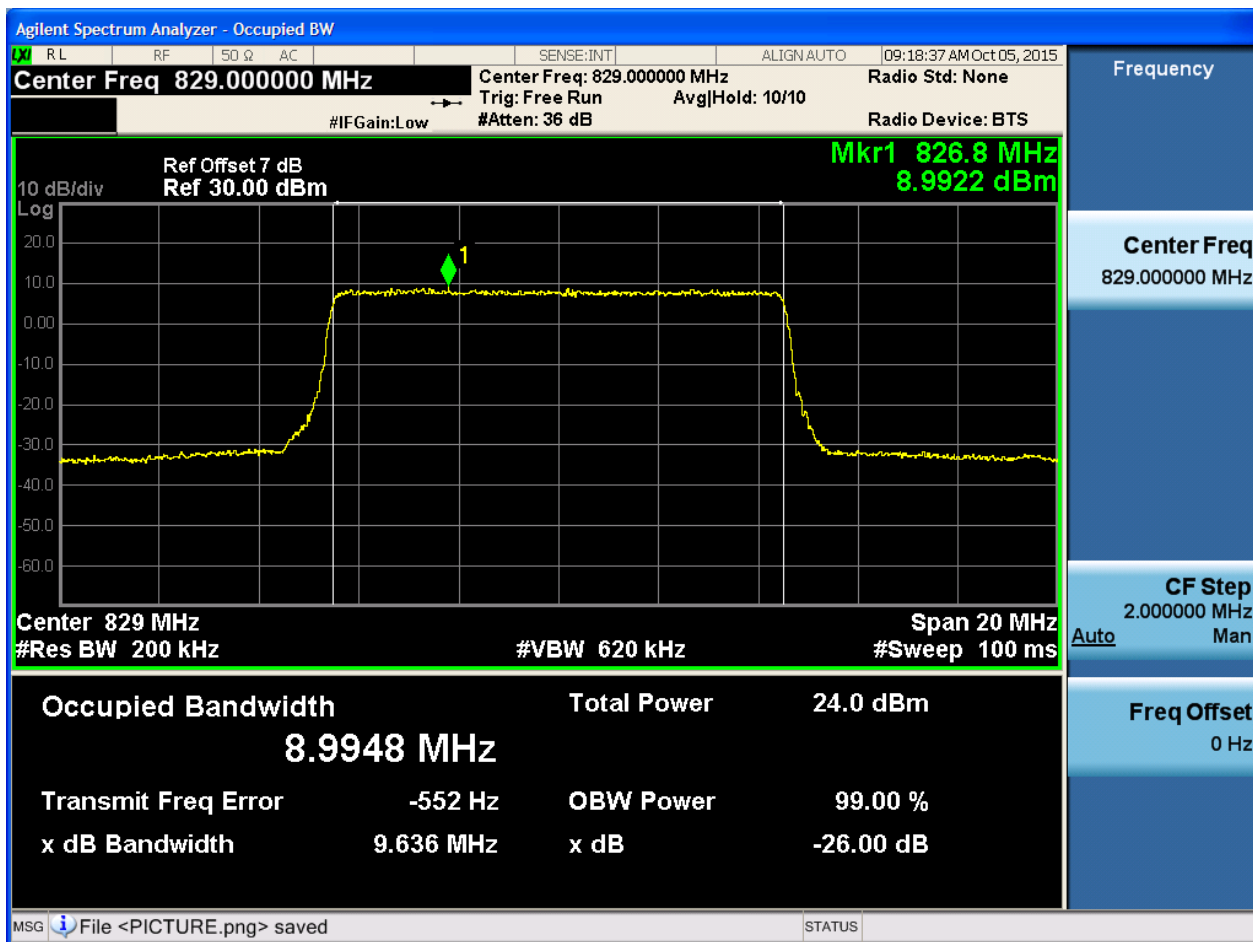




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

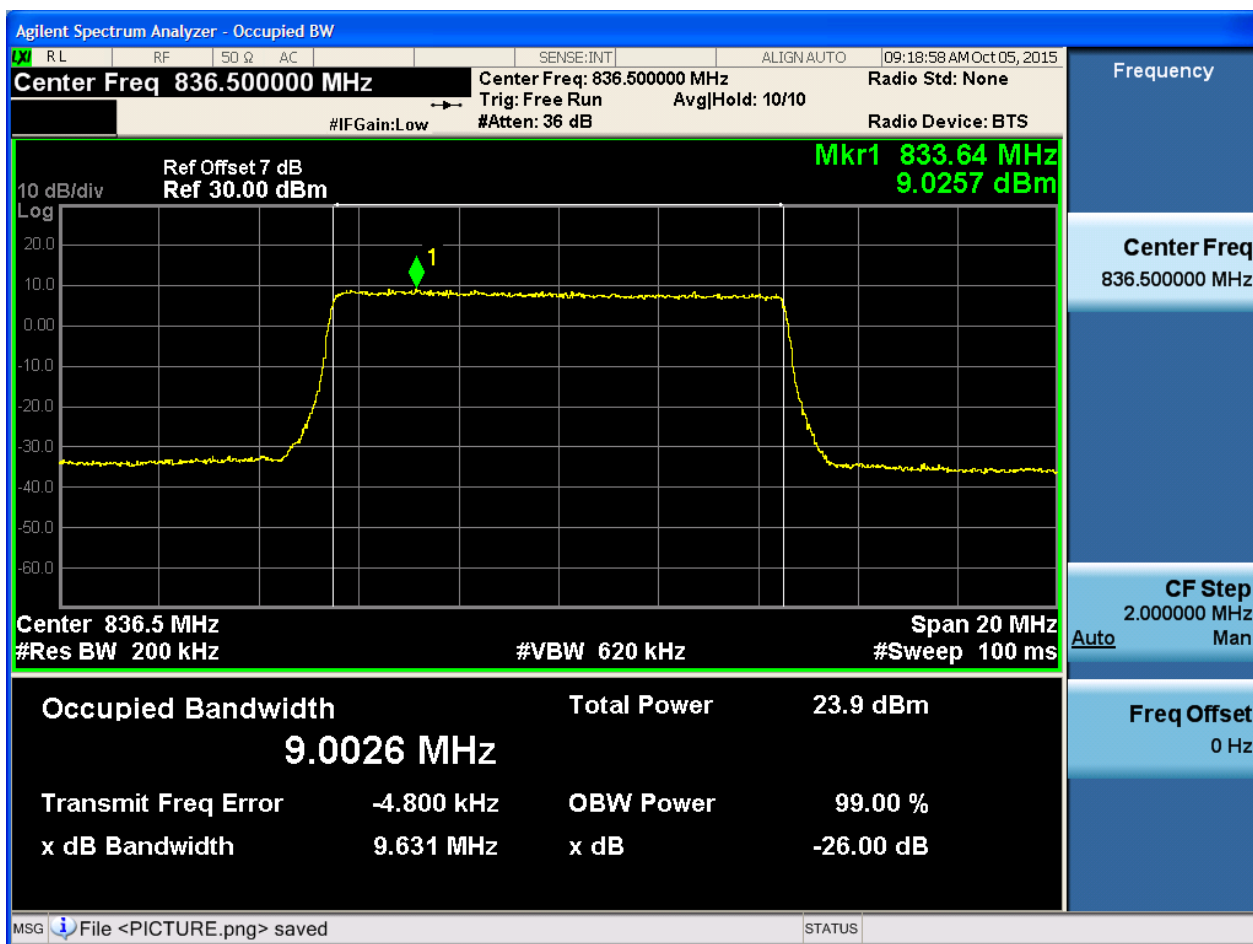
4.1.1.1.4.1.1 Test RB = RB50#0





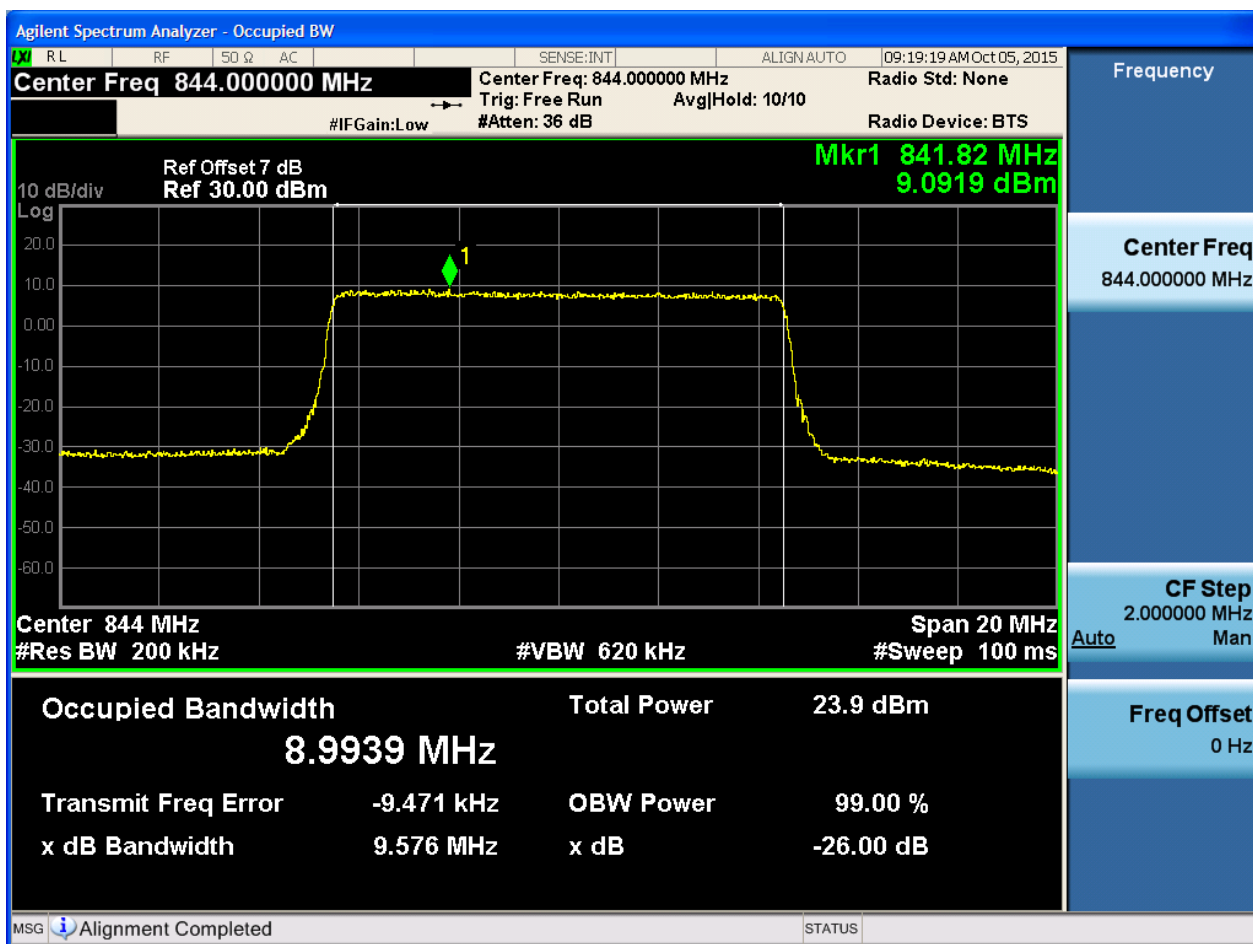
4.1.1.1.4.2 Test Channel = MCH

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

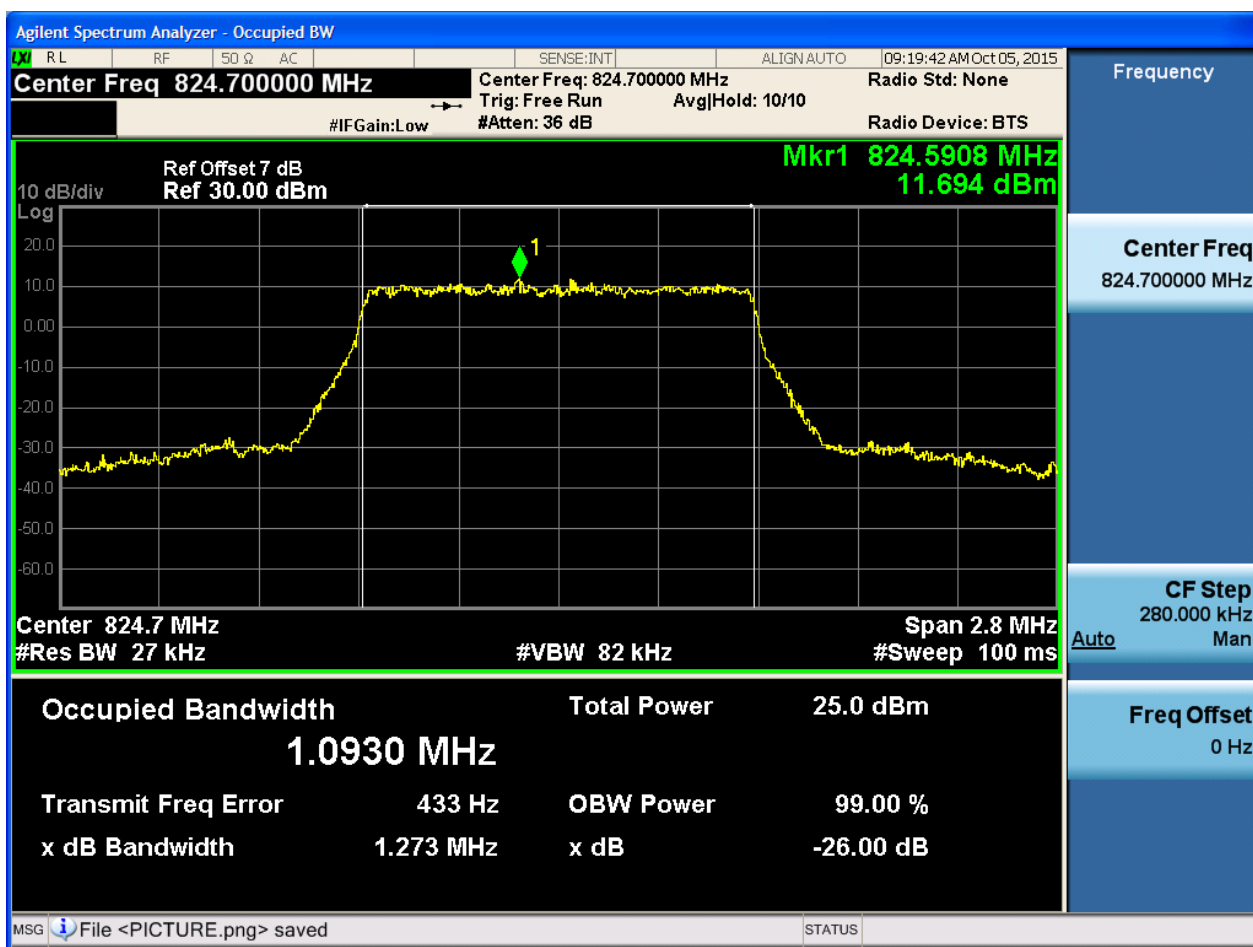


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

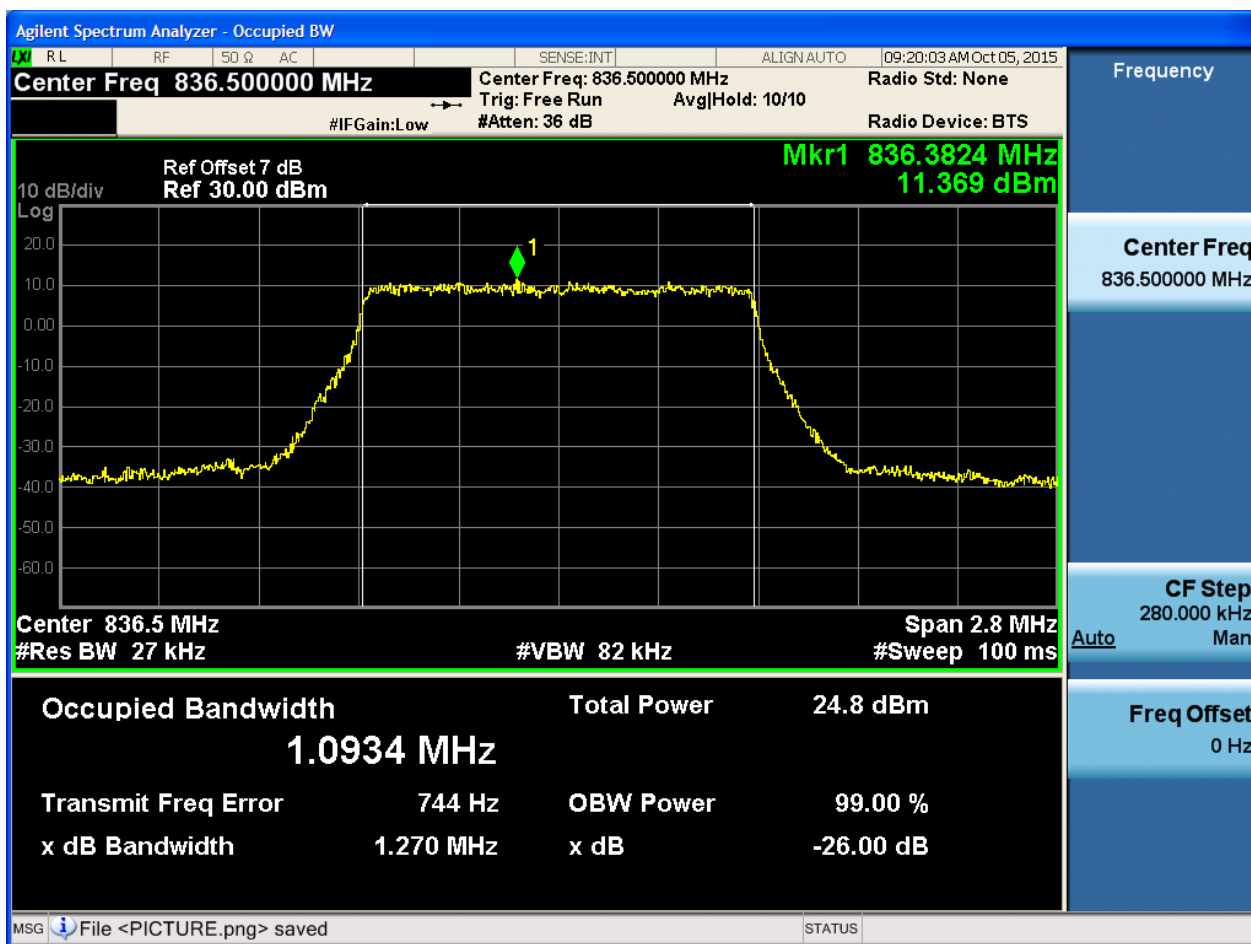
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



4.1.1.2.1.2 Test Channel = MCH

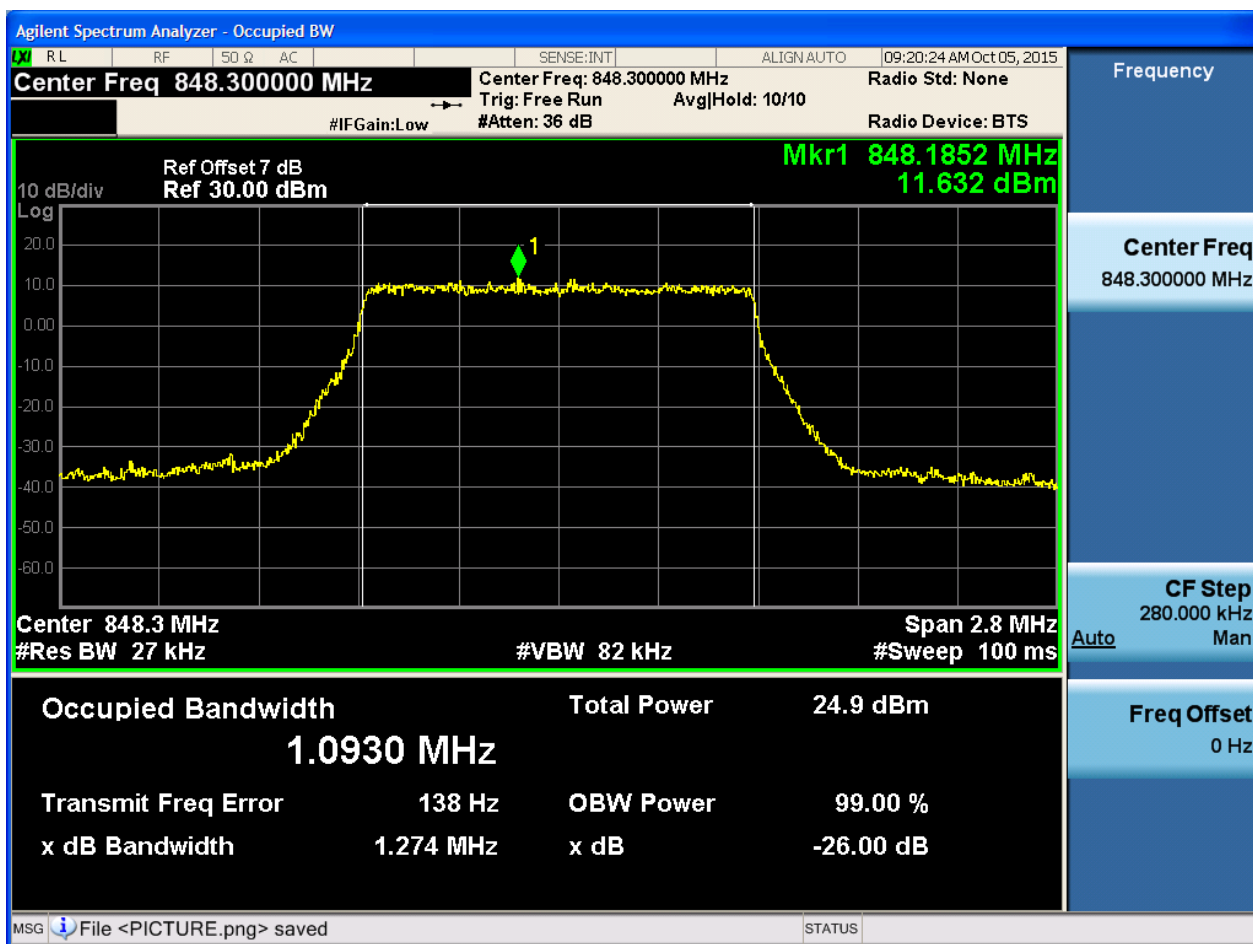
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

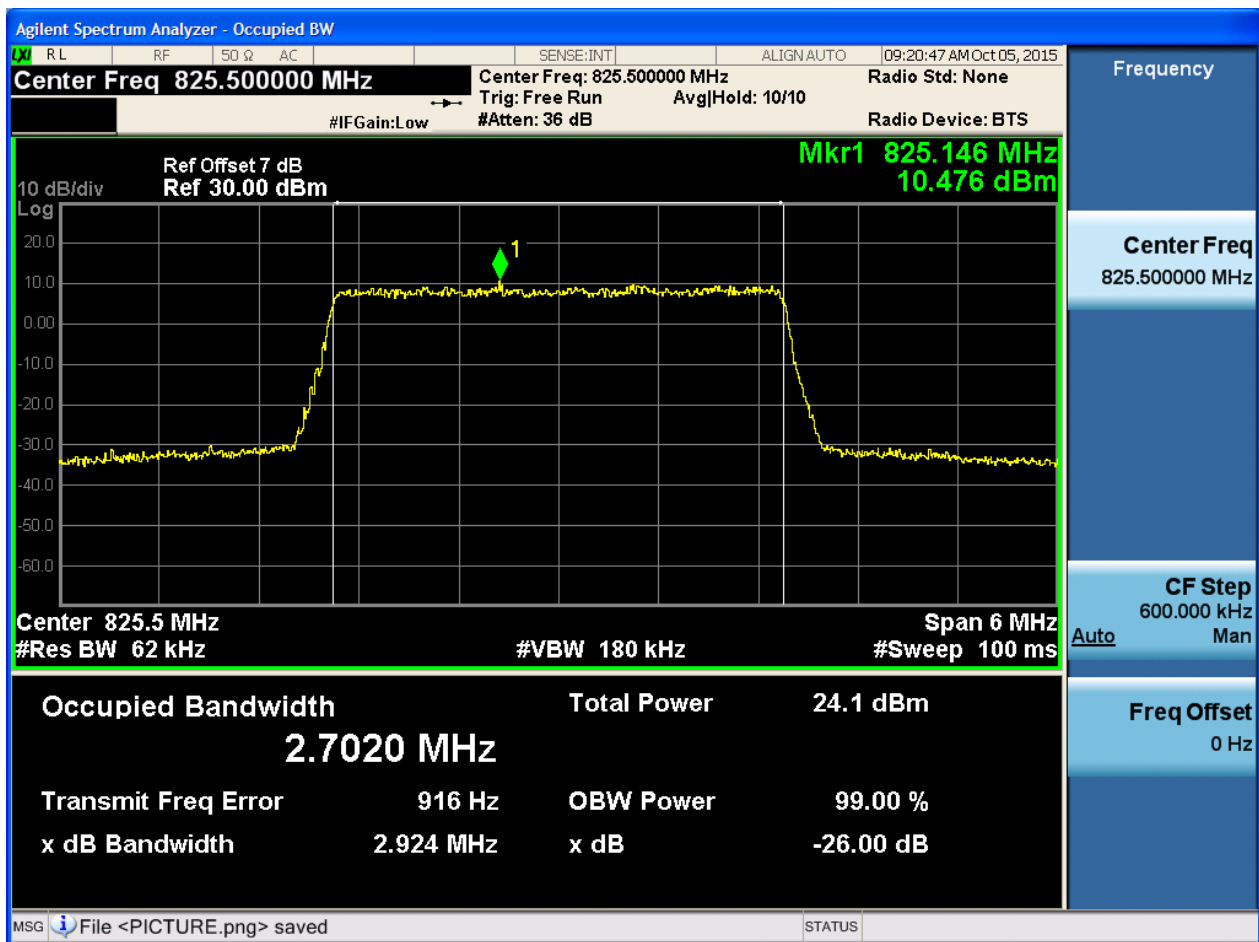




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

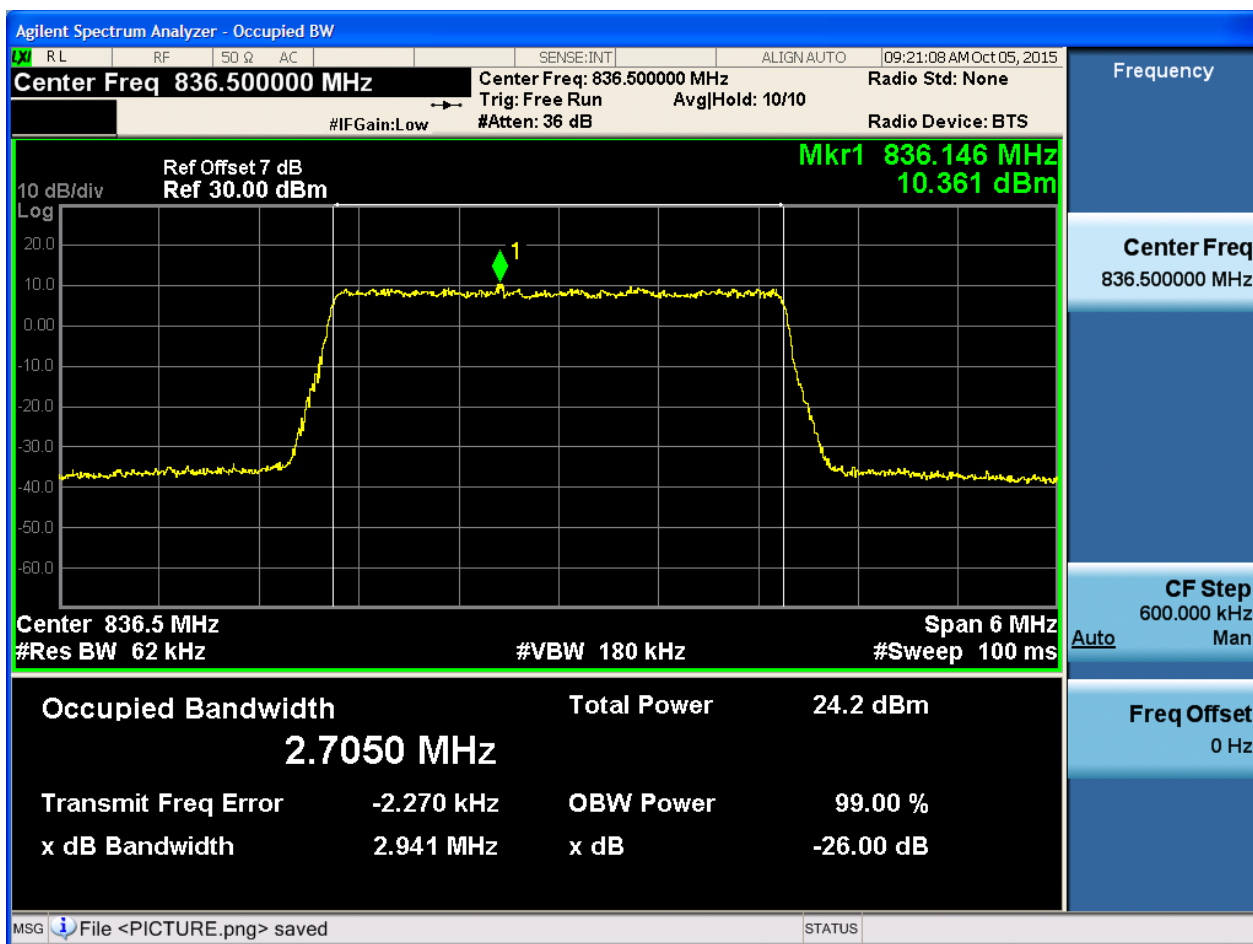
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

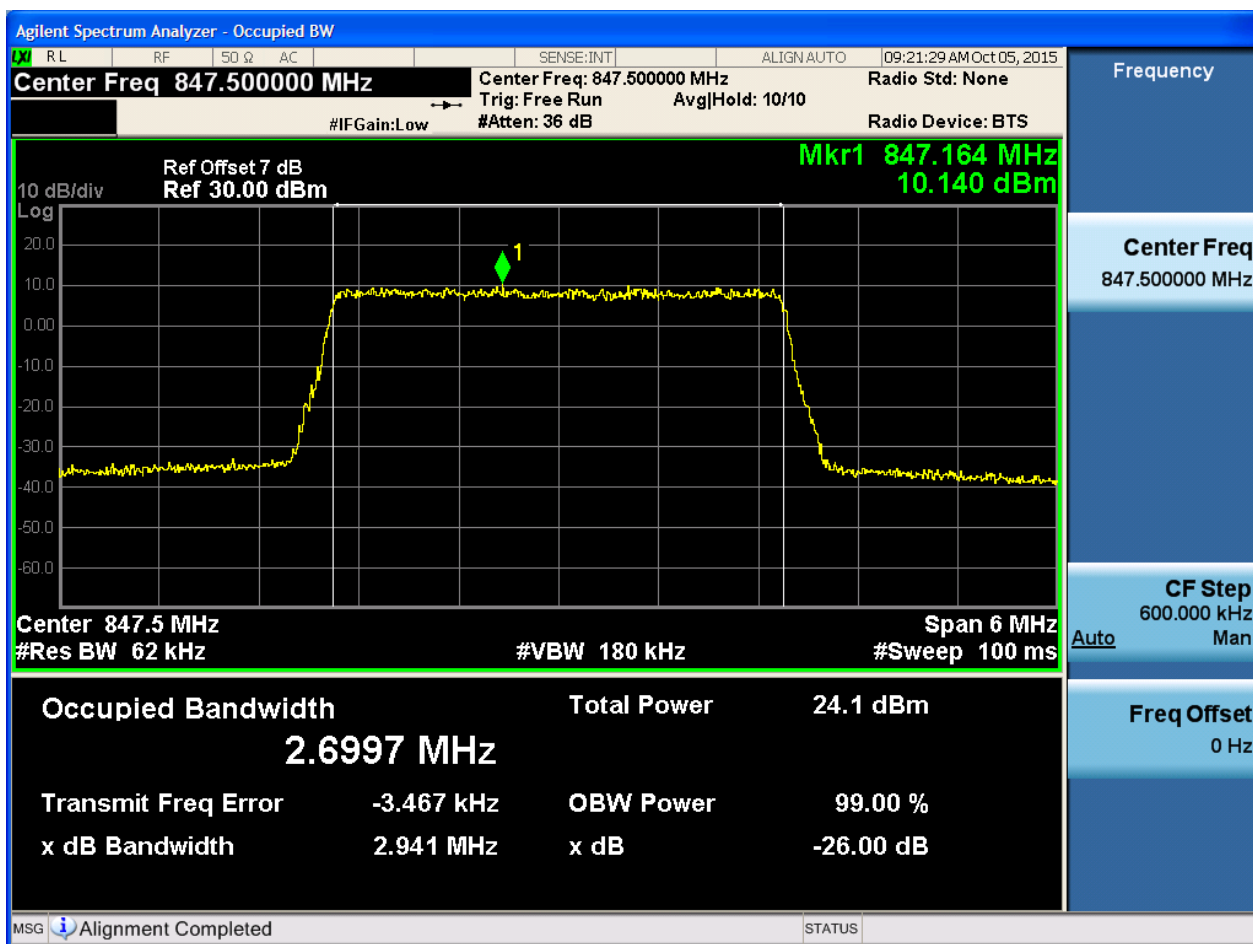
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

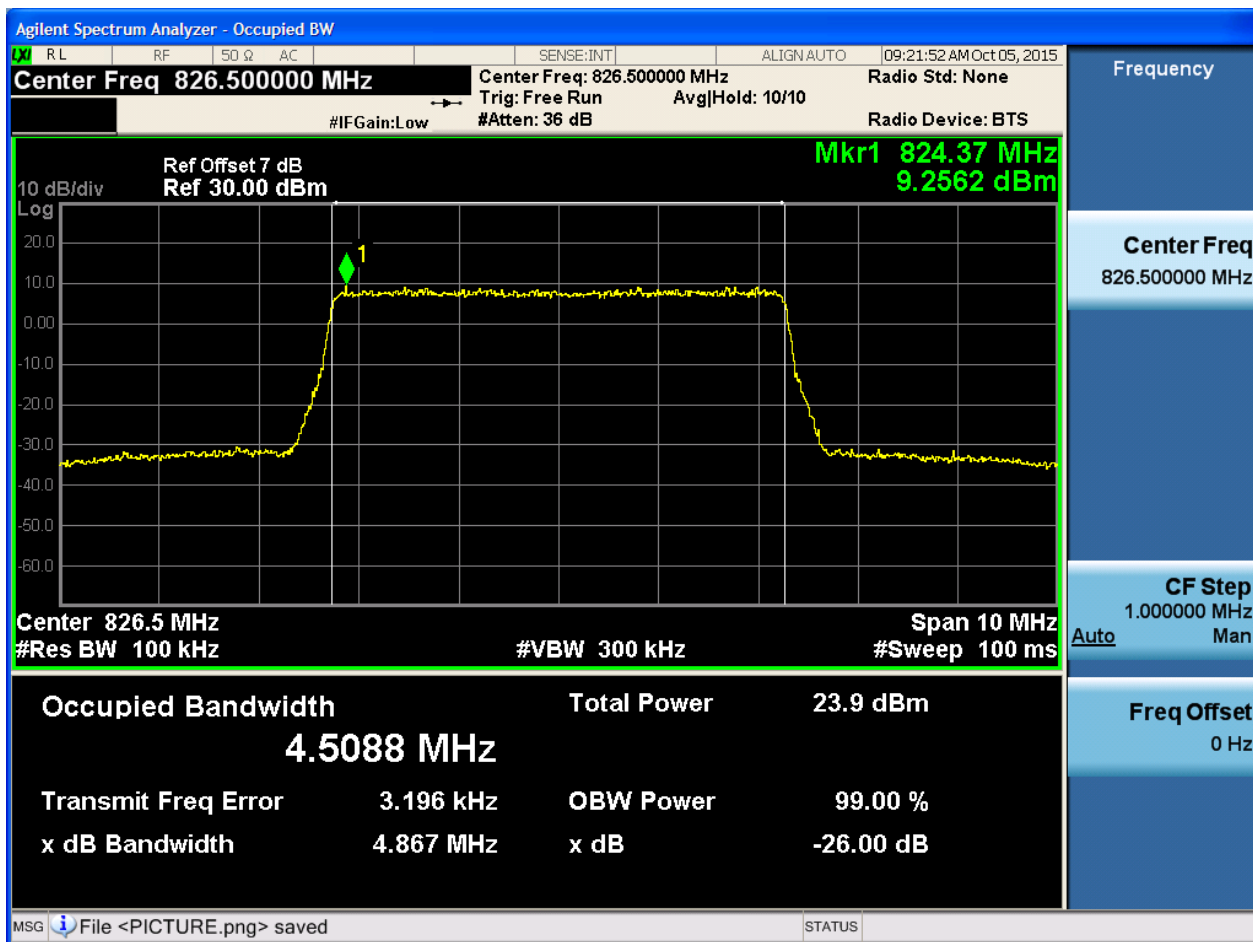




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

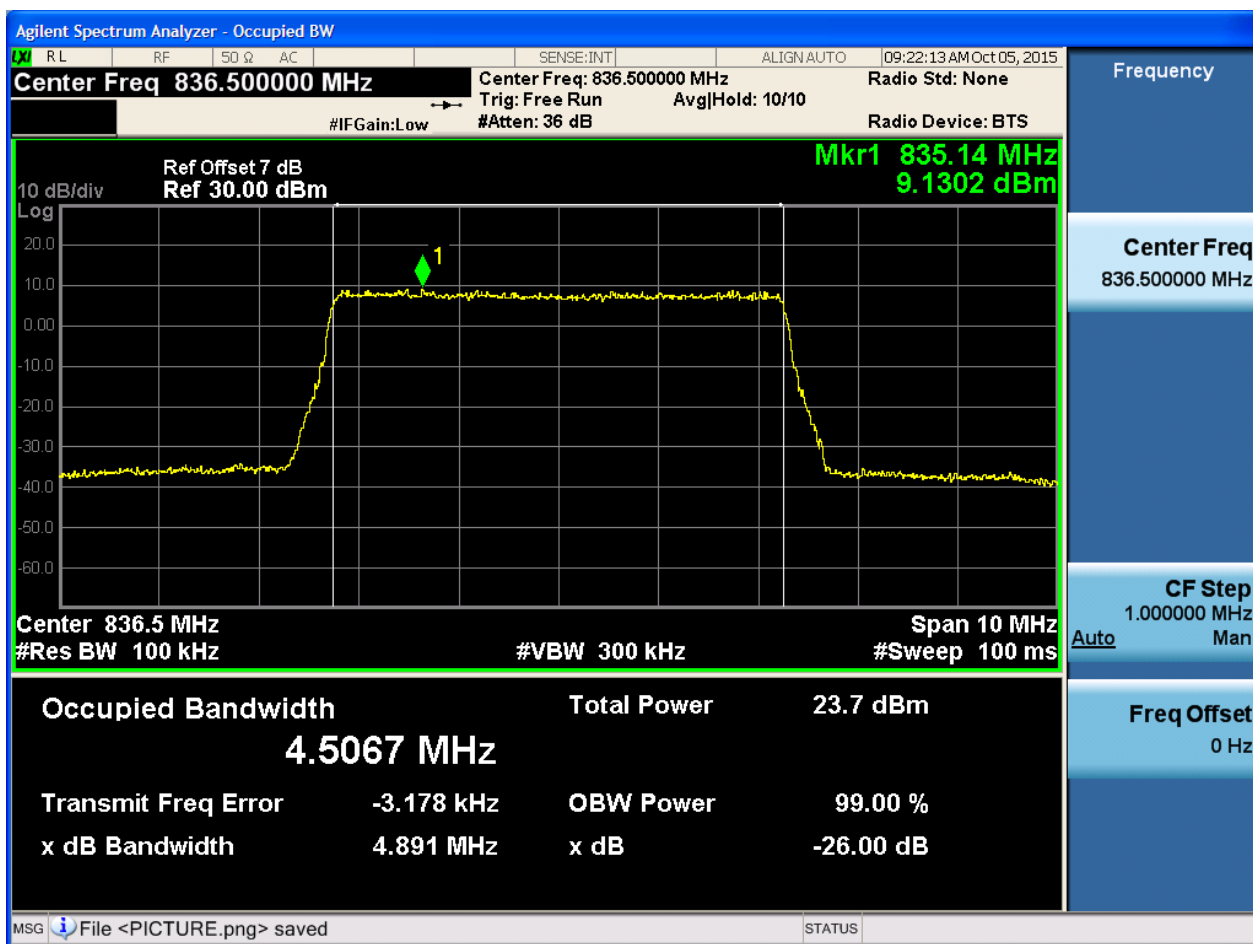
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

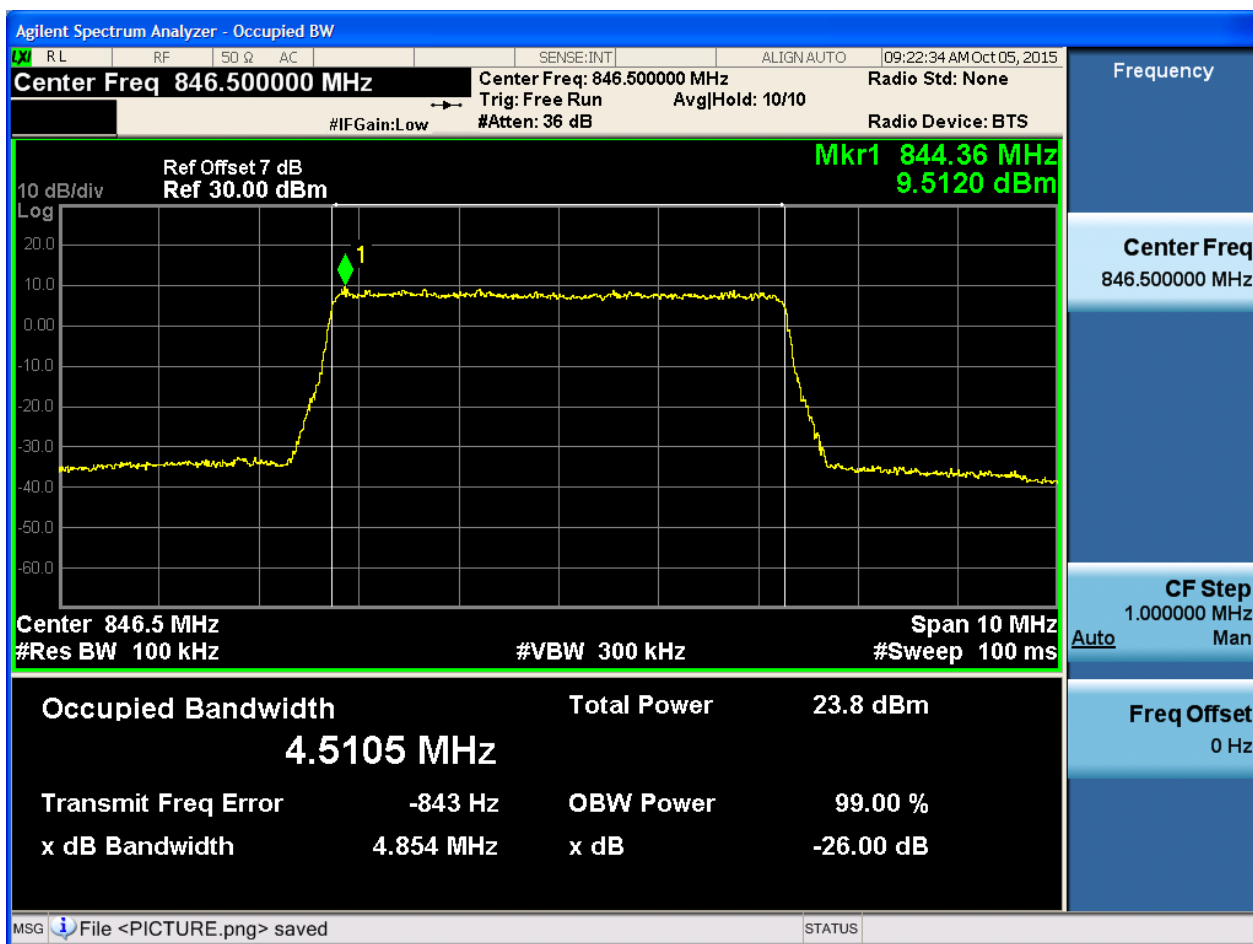
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

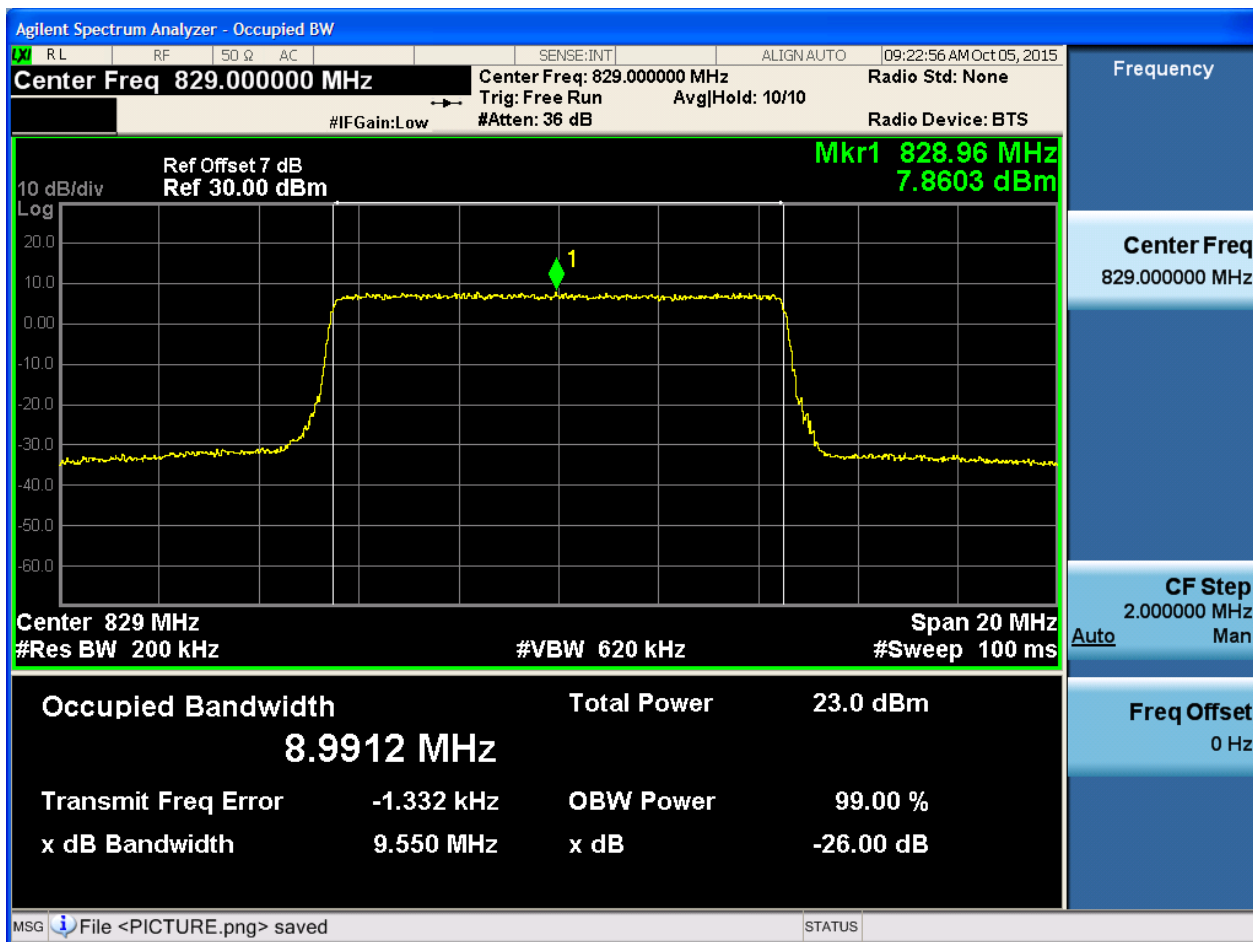




4.1.1.2.4 Test Bandwidth = 10

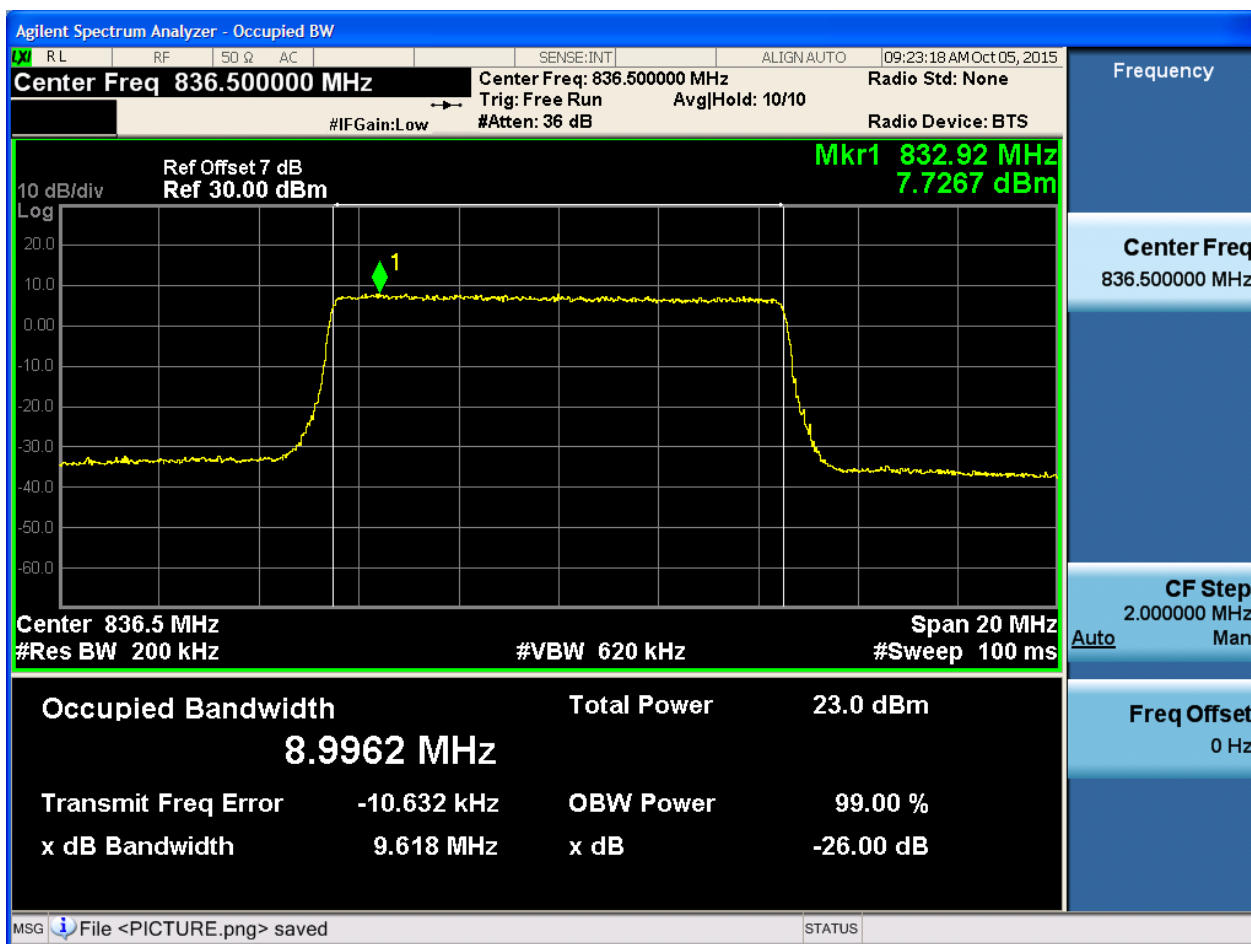
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



4.1.1.2.4.2 Test Channel = MCH

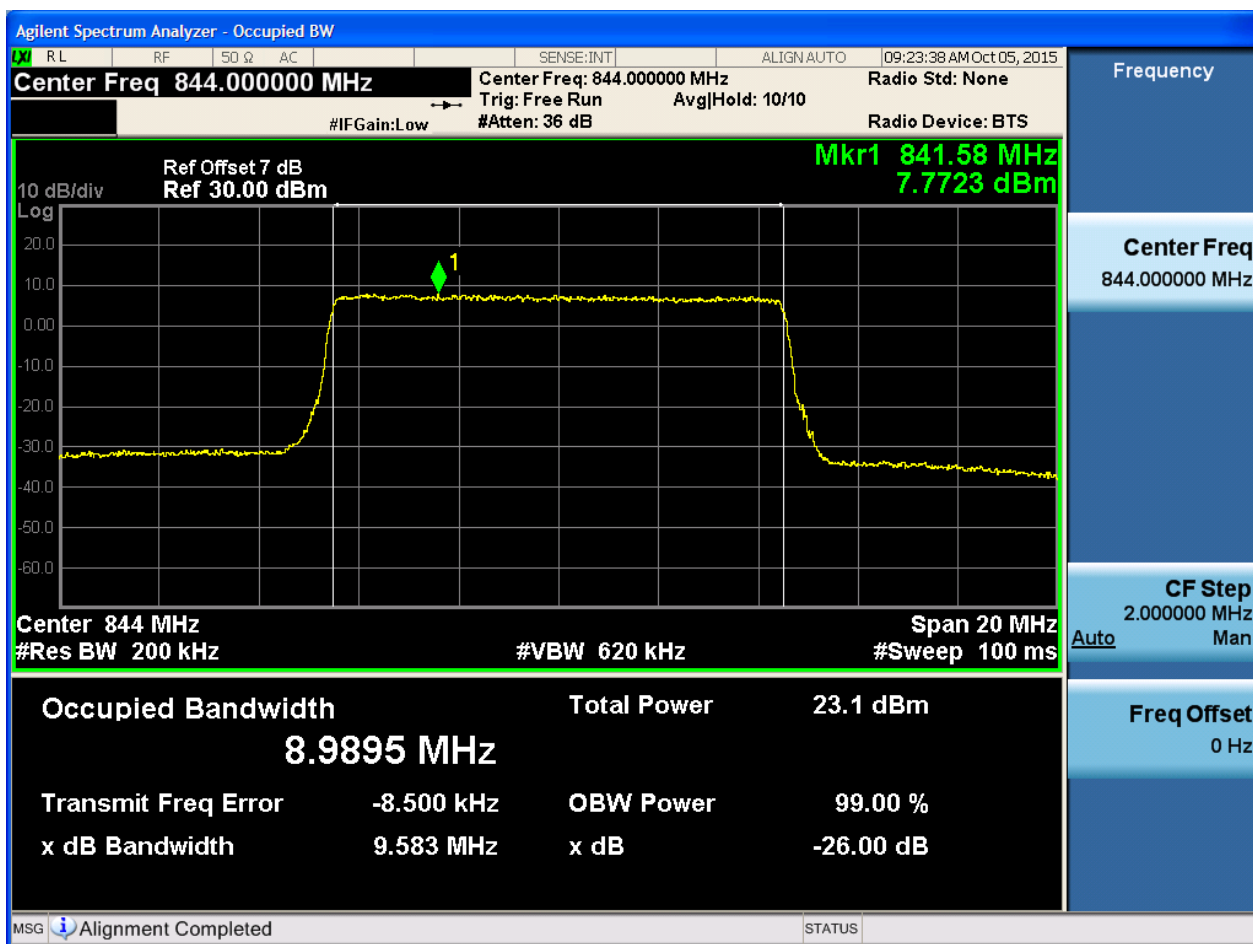
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

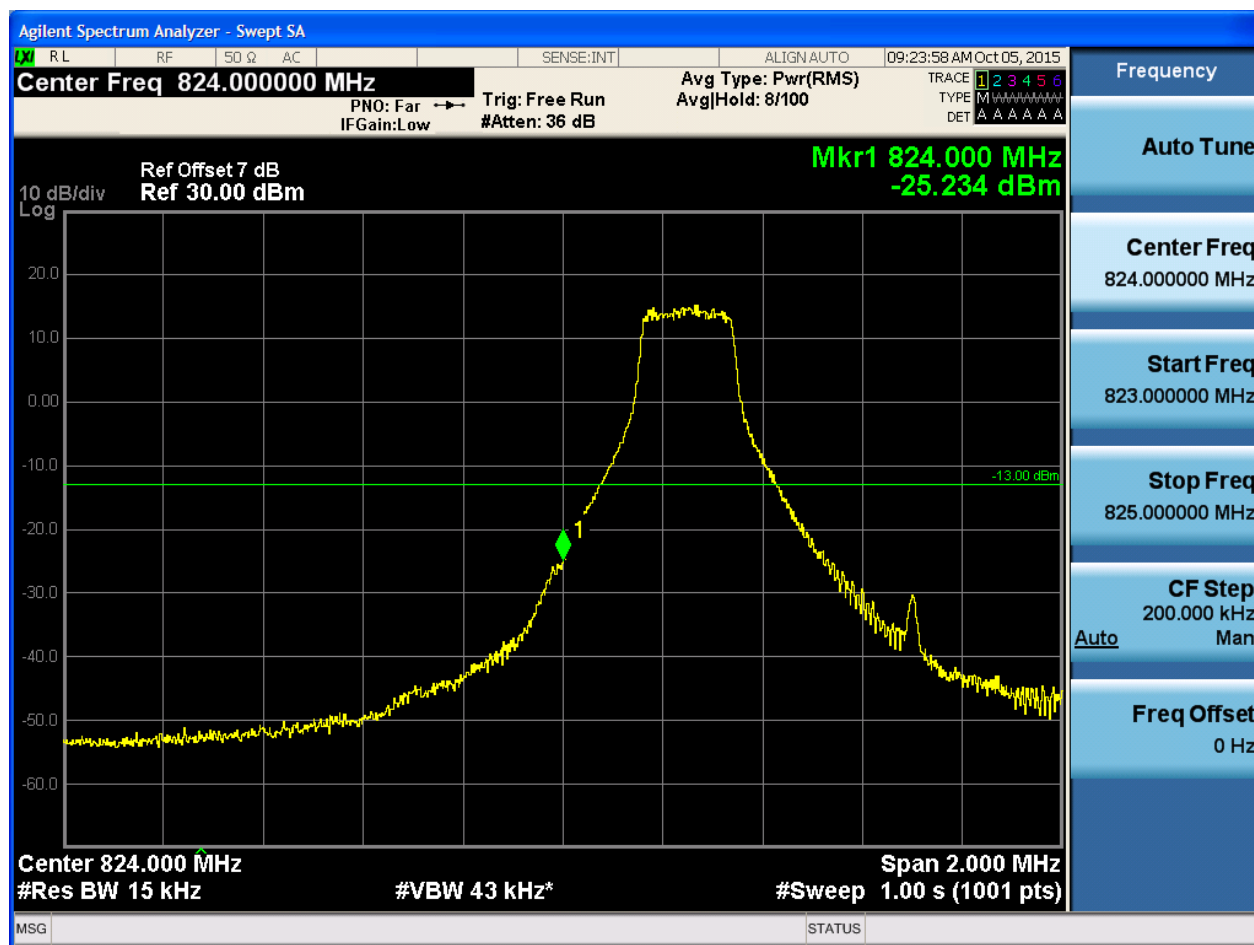
5.1.1 Test Band = BAND5

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



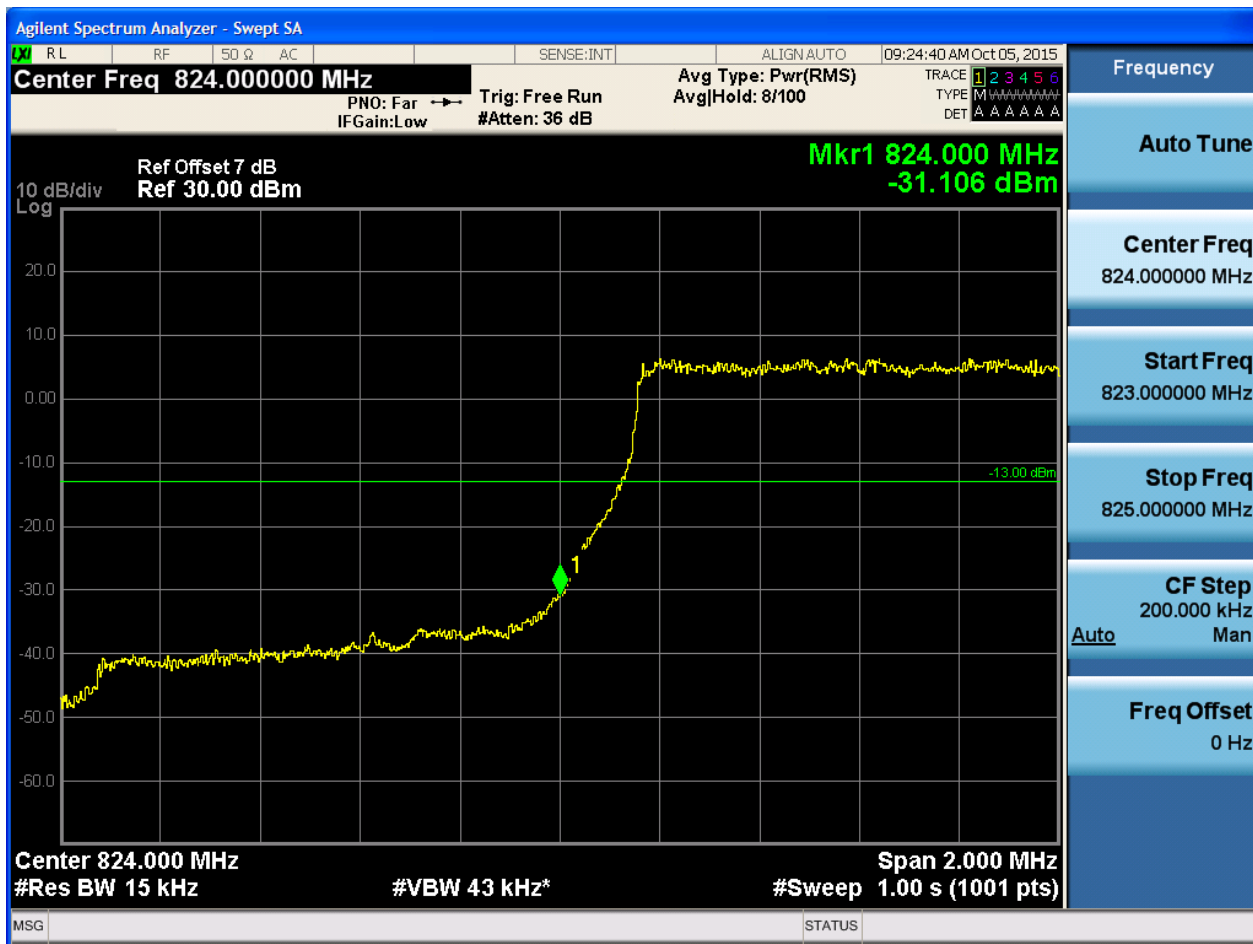


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





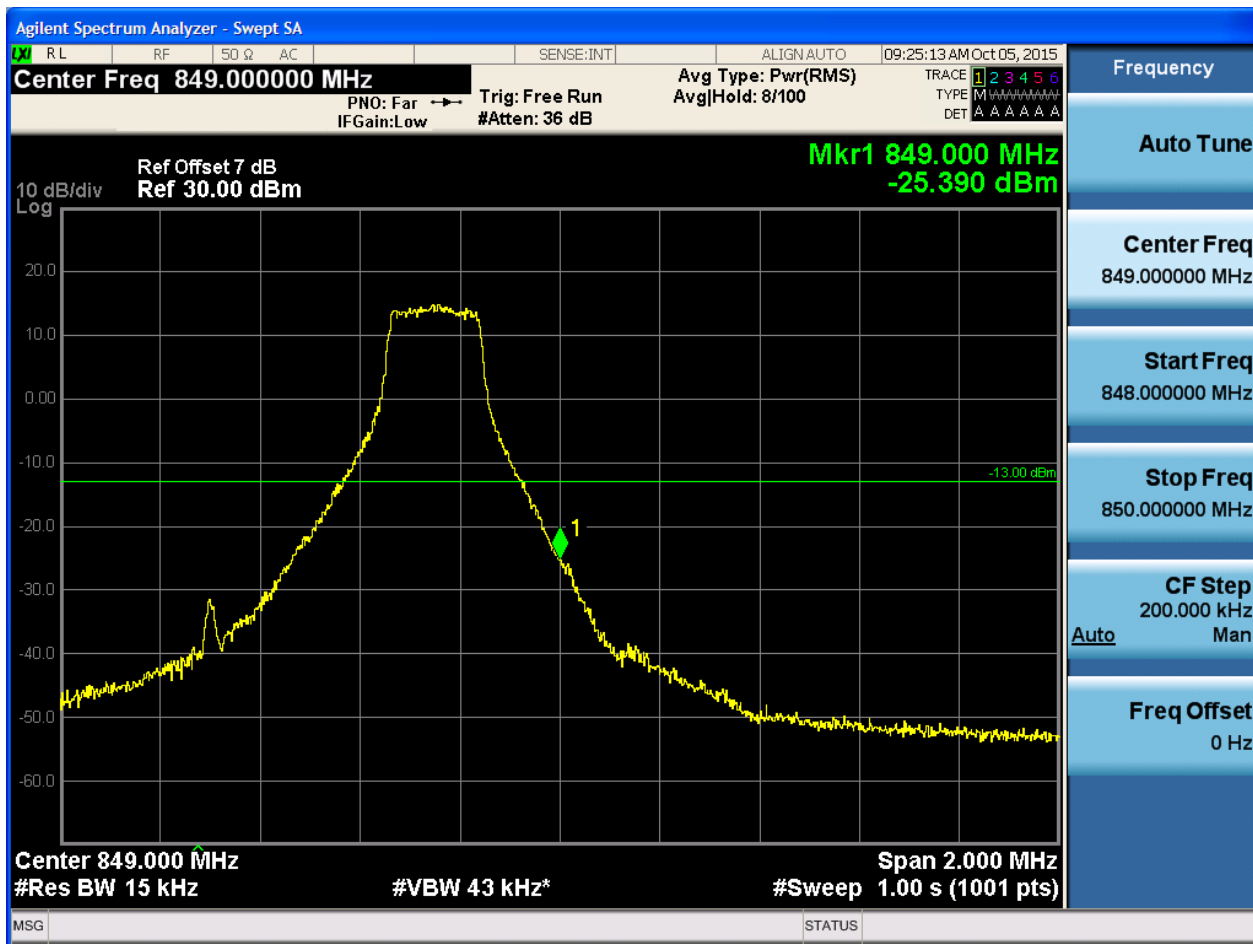
5.1.1.1.1.2 Test Channel = HCH

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





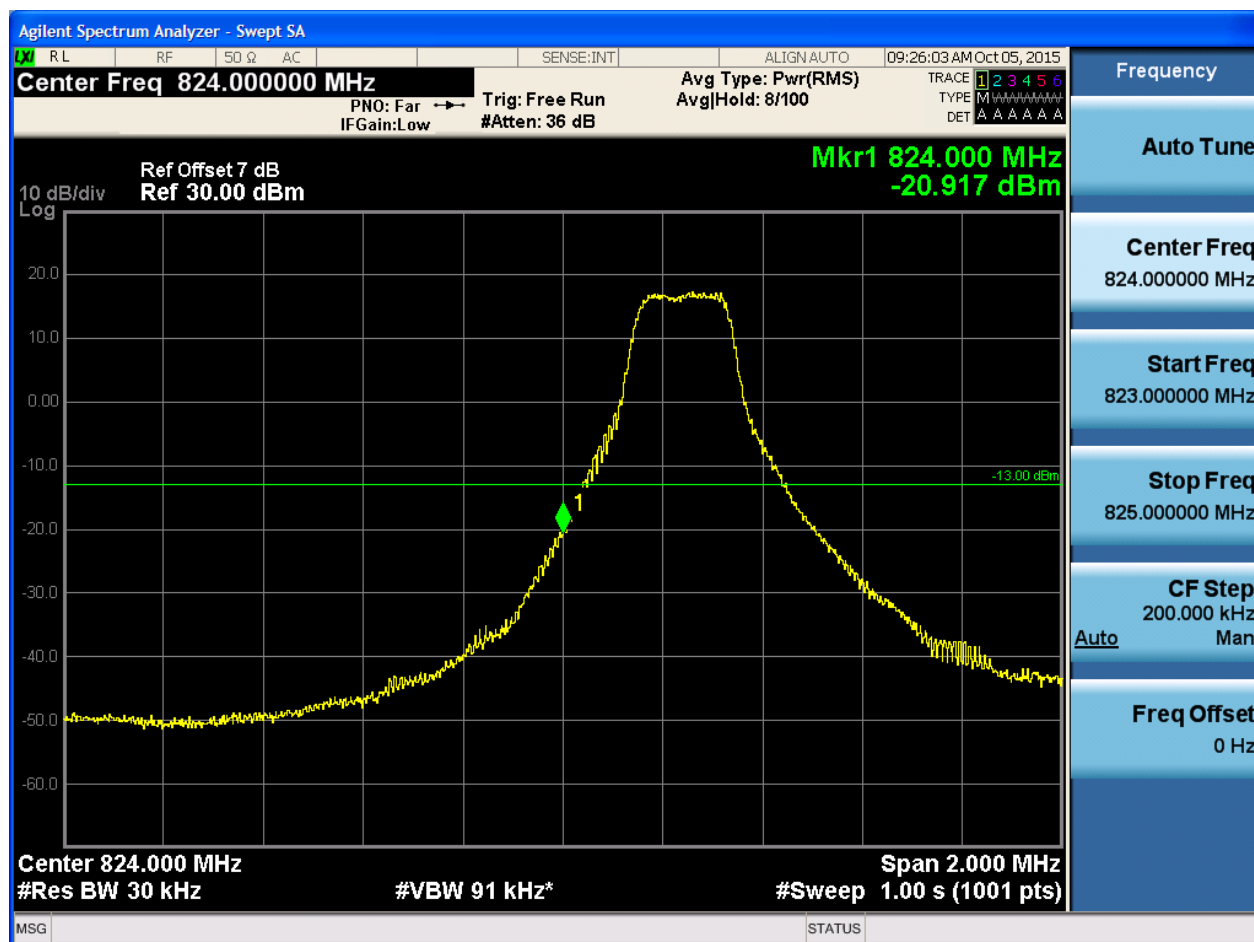
5.1.1.1.2.4 Test RB = RB6#0



5.1.1.1.2 Test Bandwidth = 3

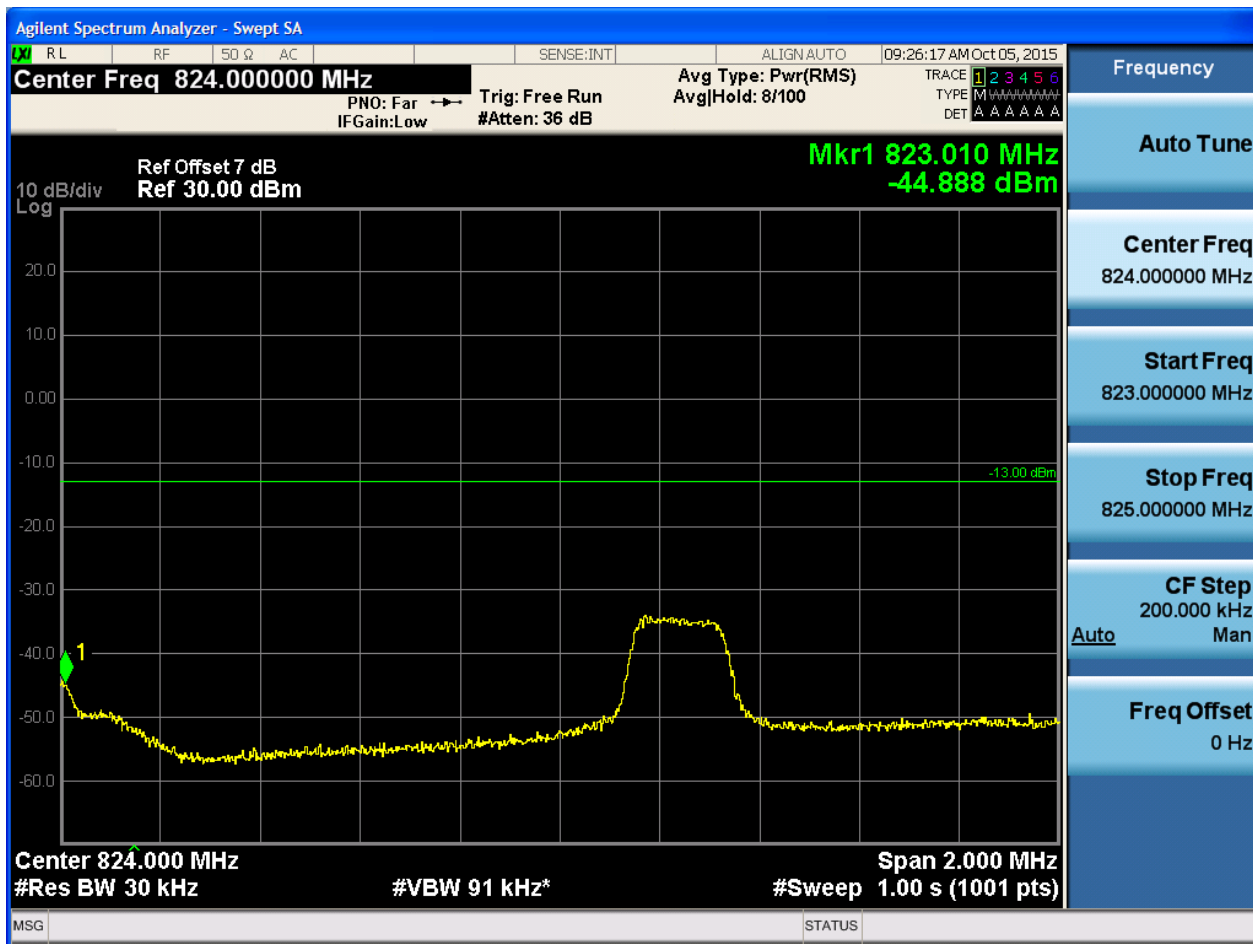
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14



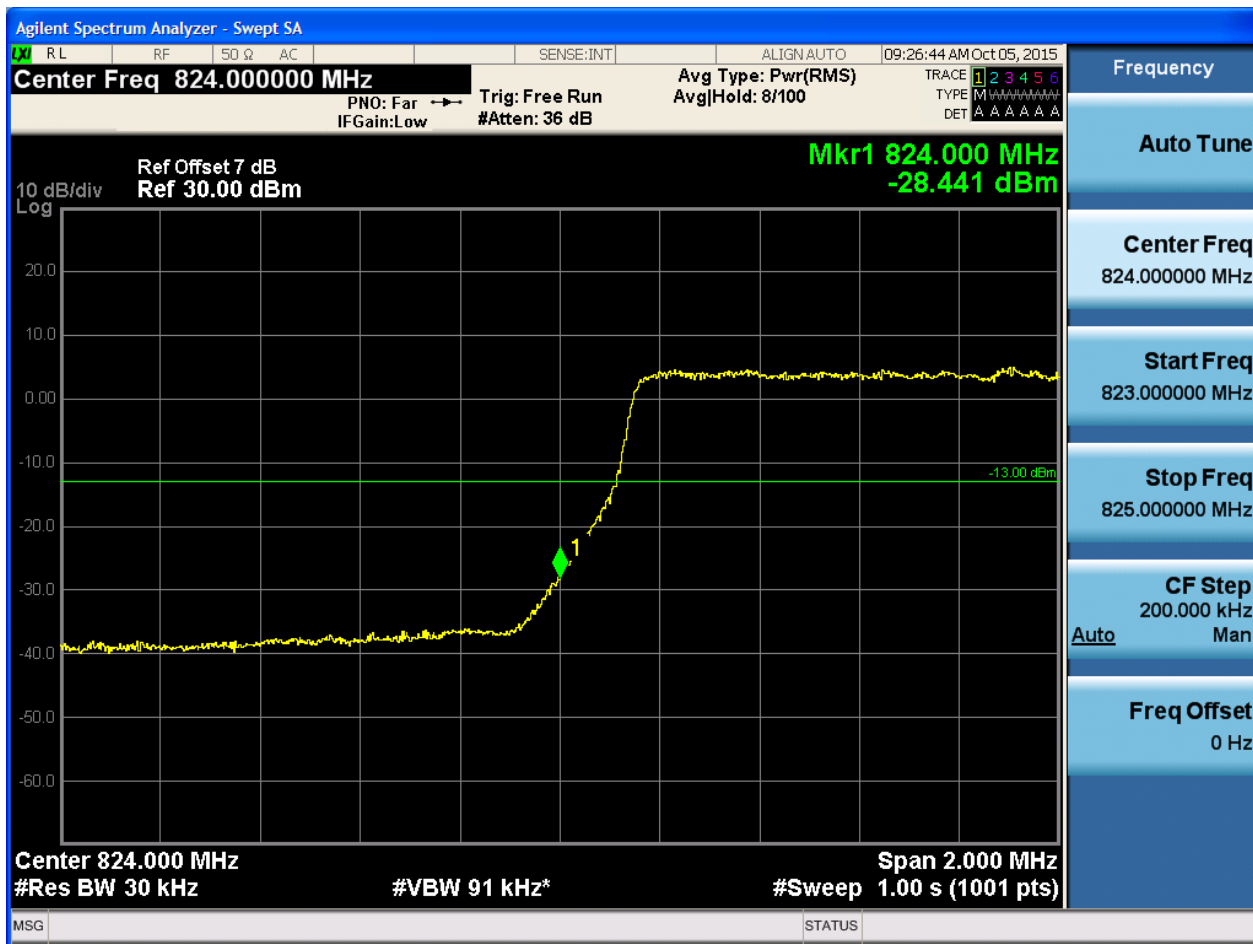


5.1.1.1.2.1.3 Test RB = RB8#4





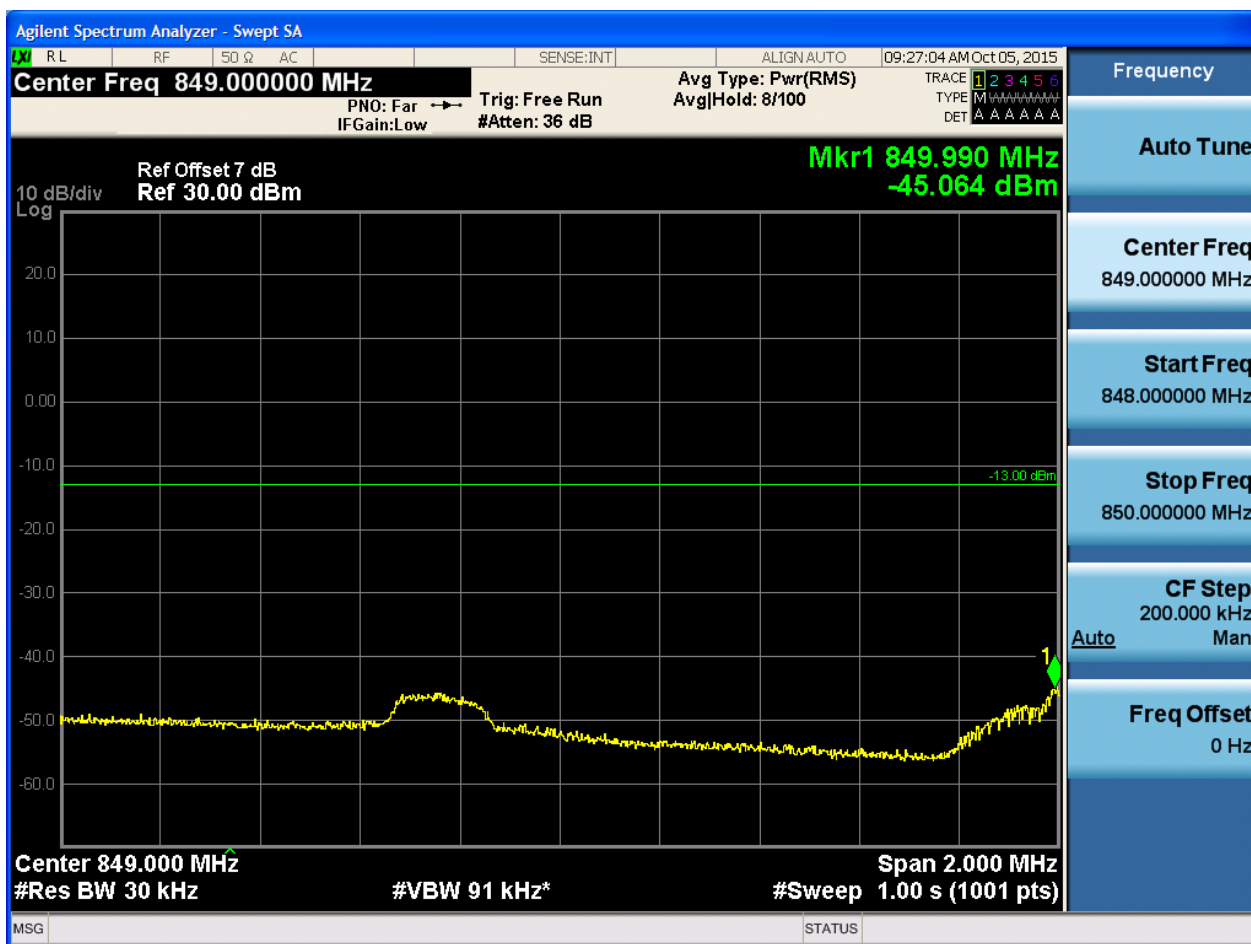
5.1.1.1.2.1.4 Test RB = RB15#0





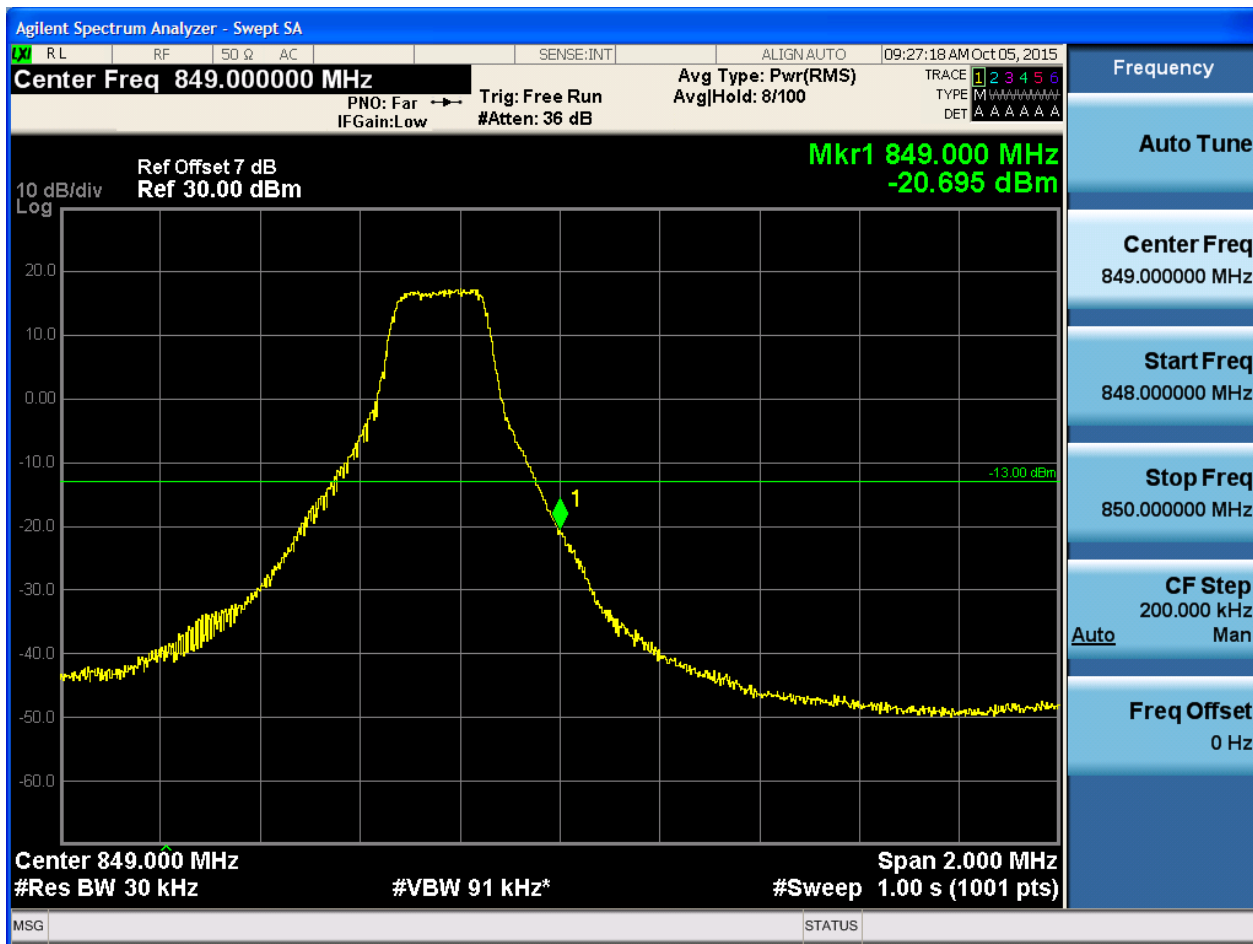
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14



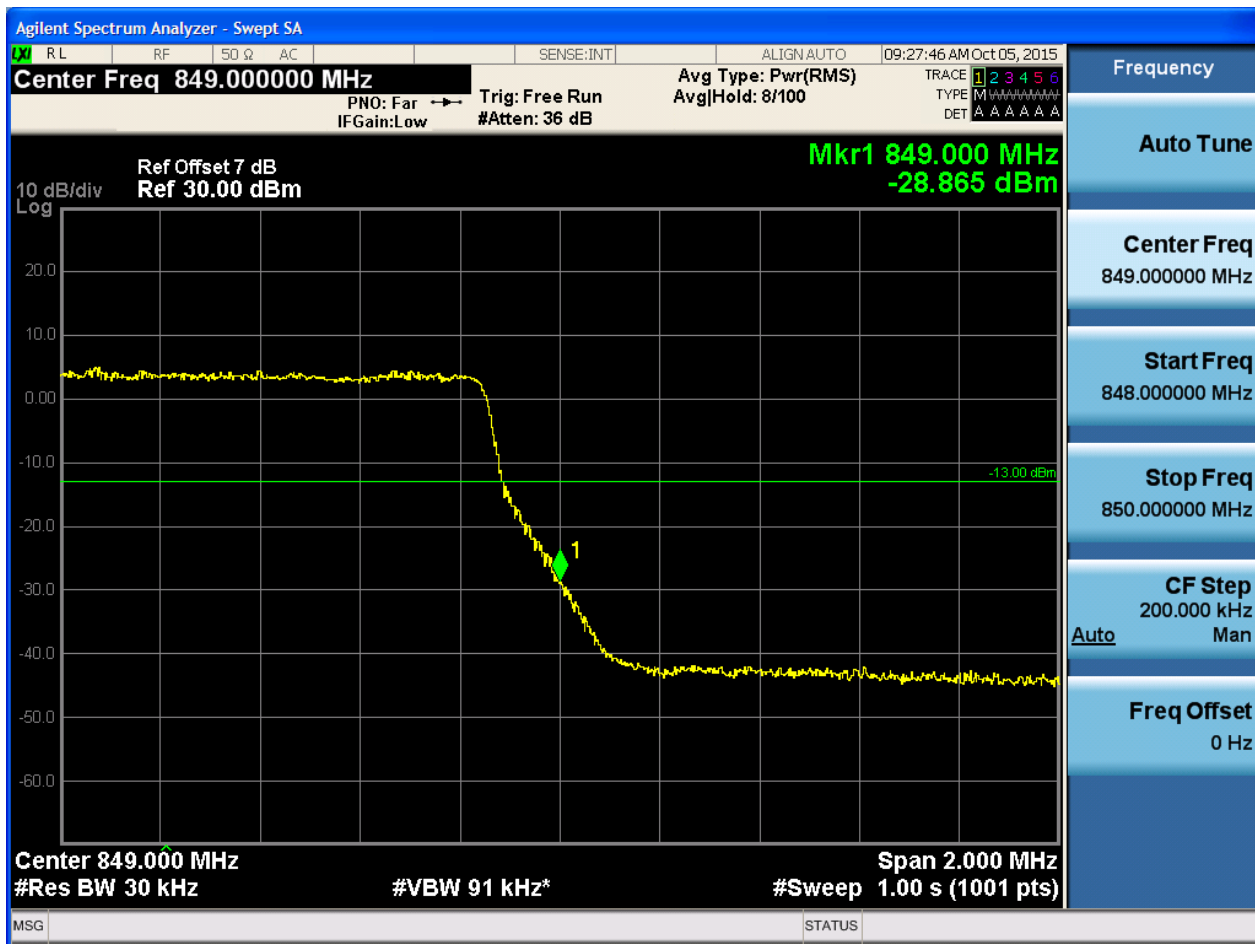


5.1.1.1.2.2.3 Test RB = RB8#4





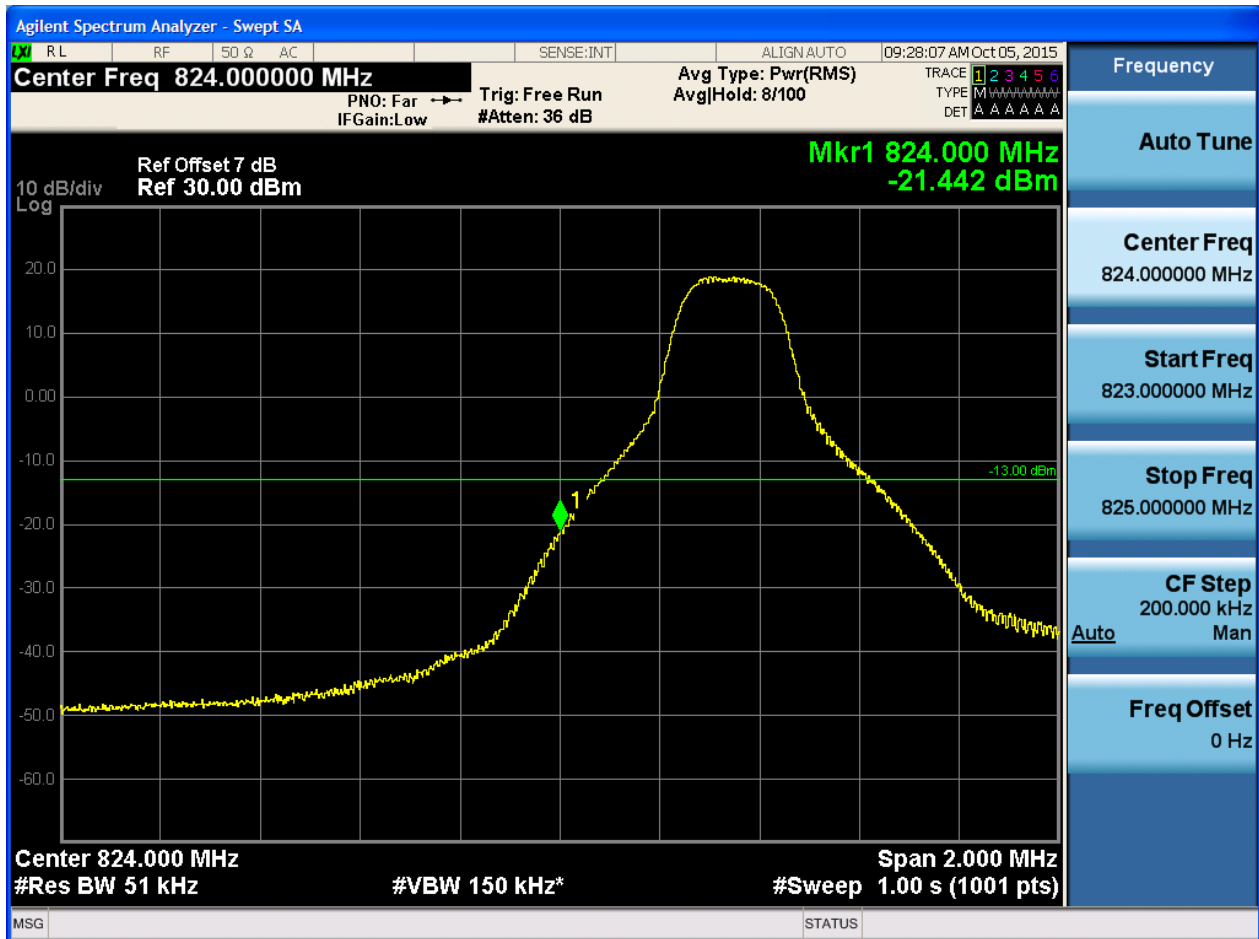
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

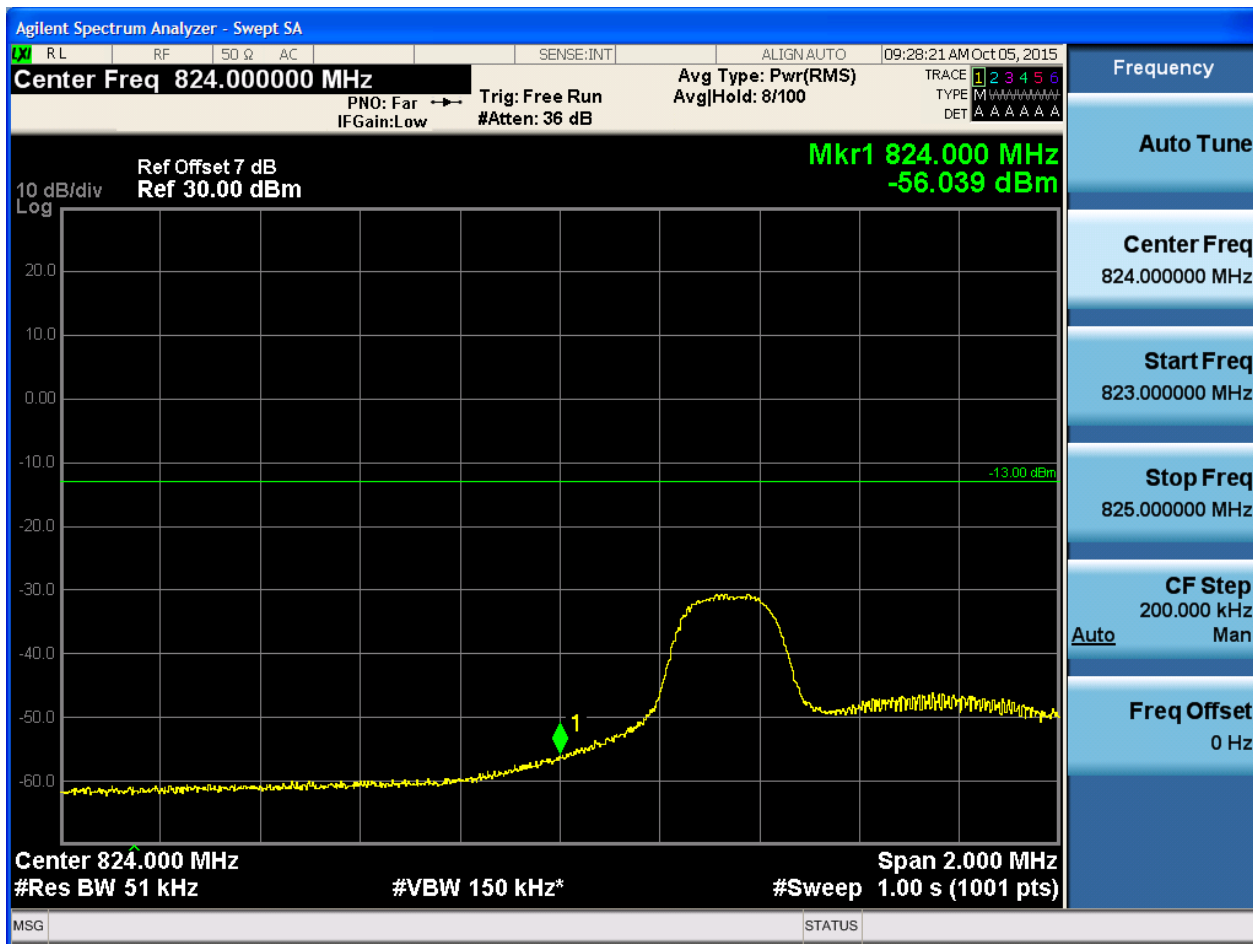
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



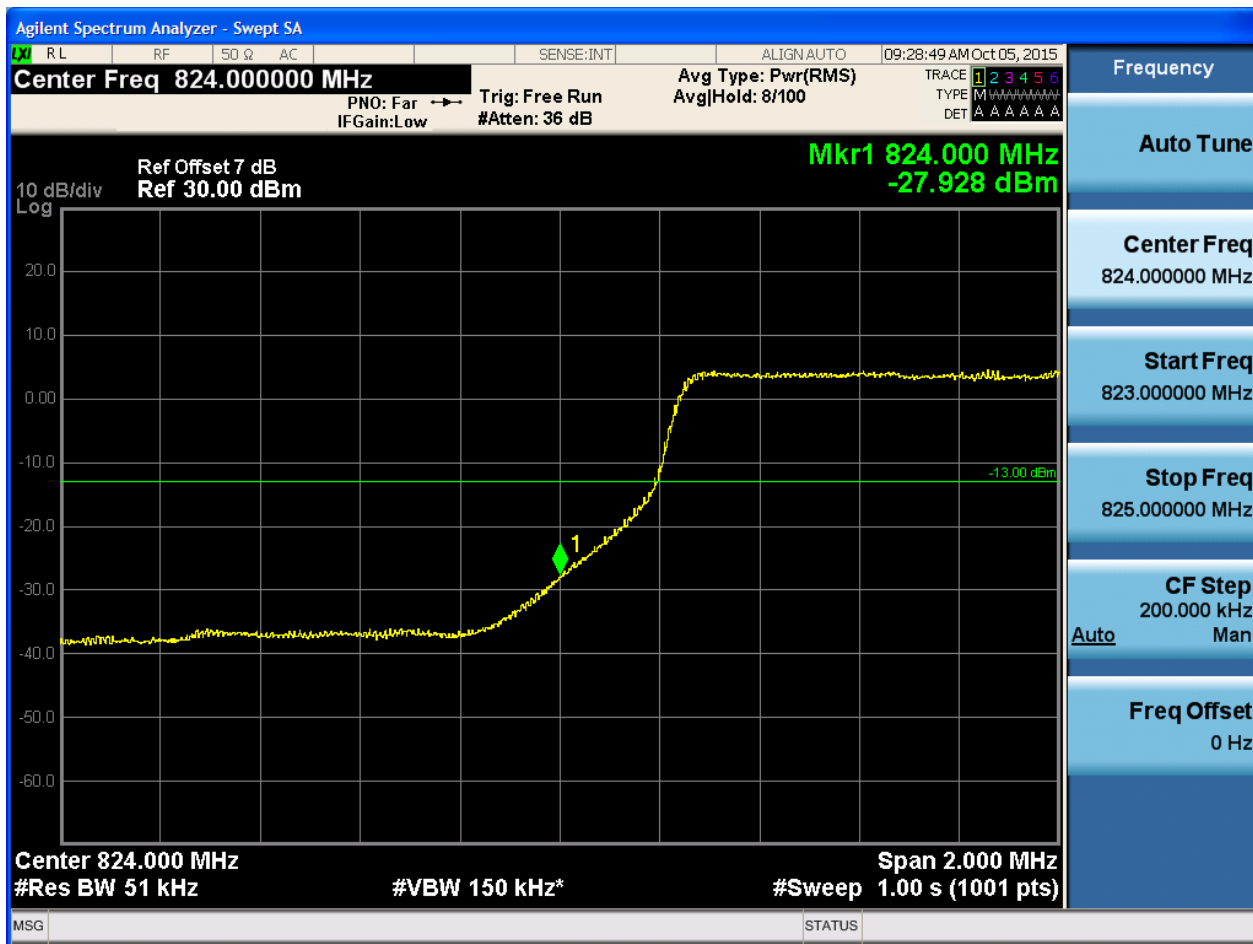


5.1.1.1.3.1.3 Test RB = RB12#6



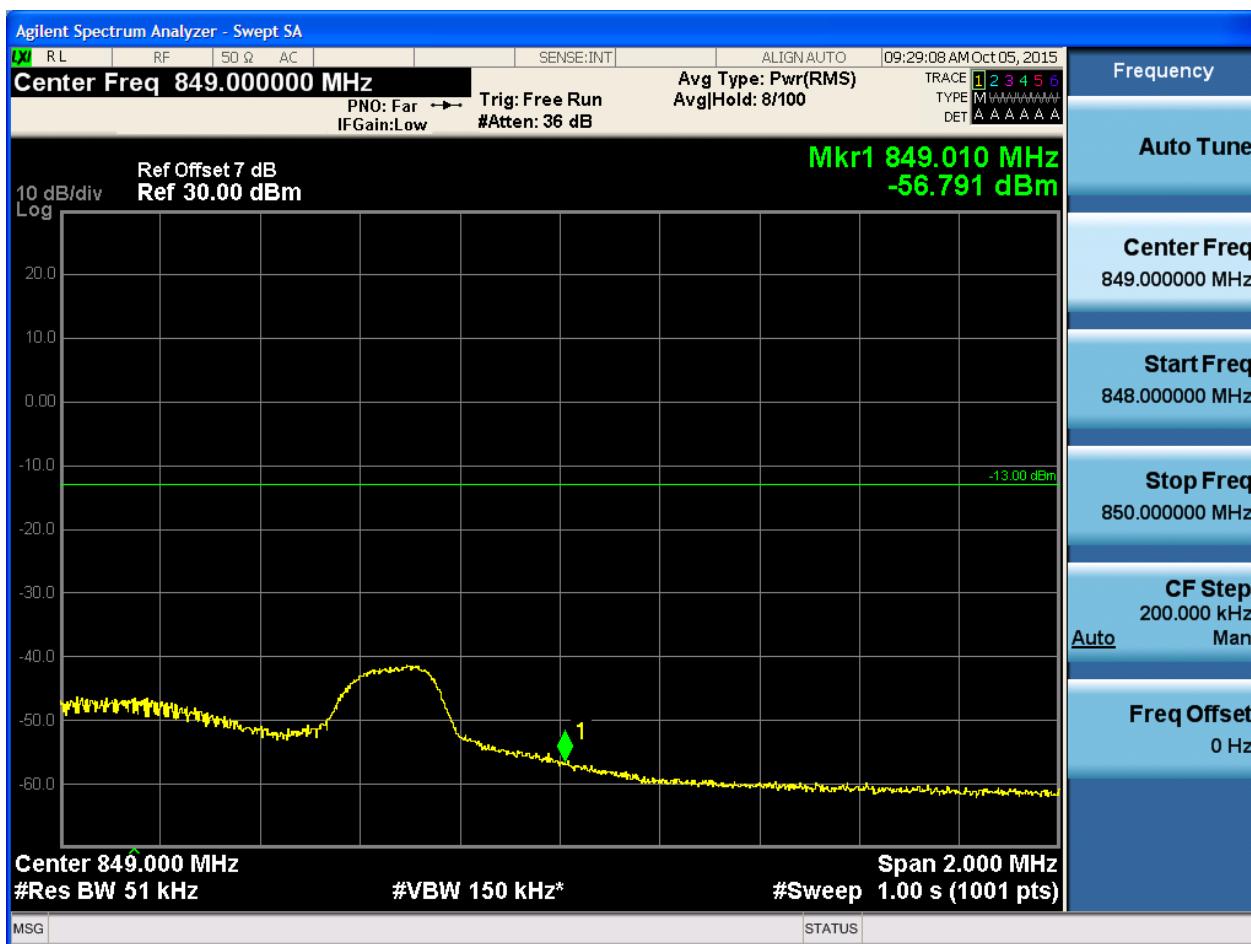


5.1.1.1.3.1.4 Test RB = RB25#0



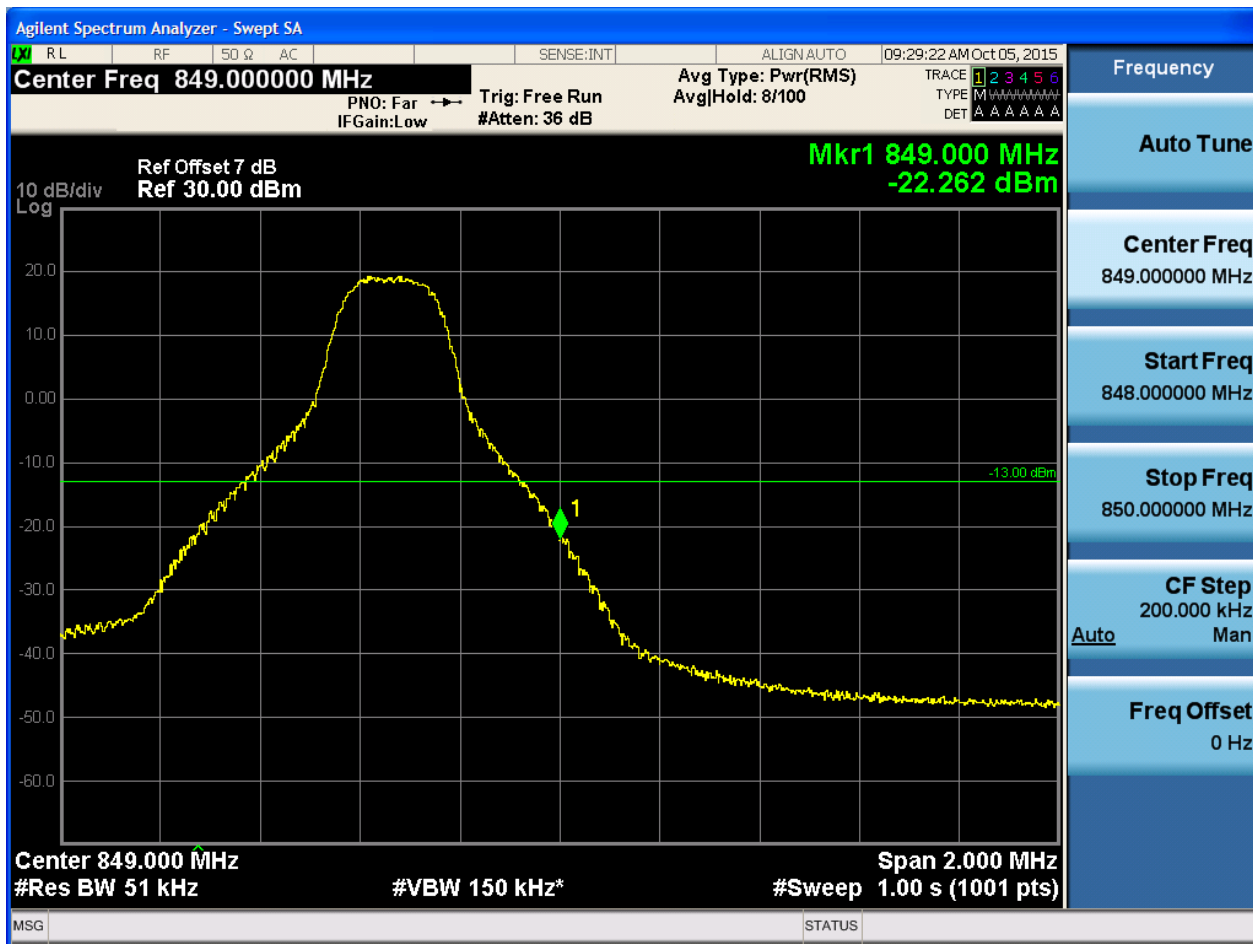
5.1.1.1.3.2 Test Channel = HCH

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





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
-28.414 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

Auto

Freq Offset
0 Hz

Center 849.000 MHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

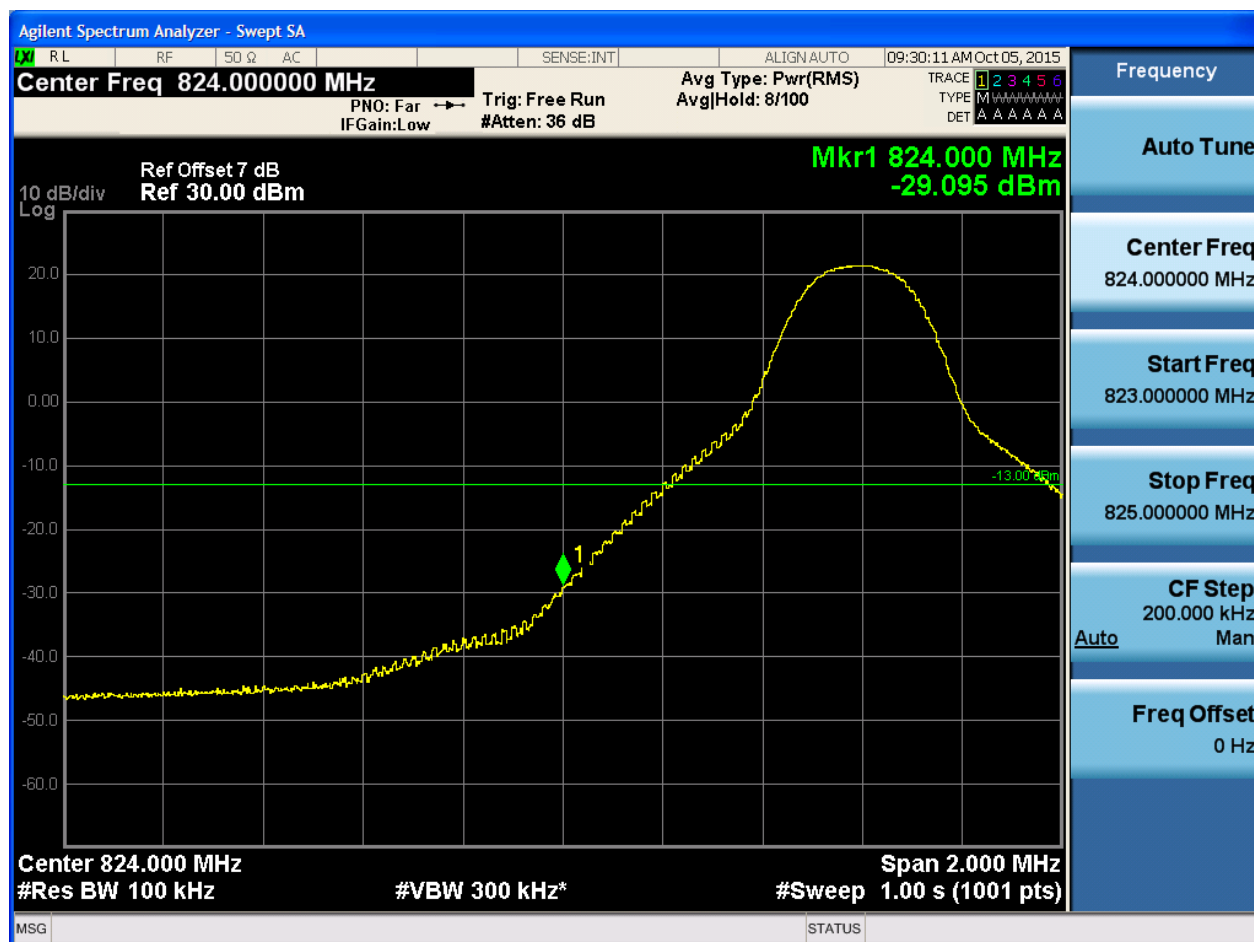
MSG

STATUS

5.1.1.1.4 Test Bandwidth = 10

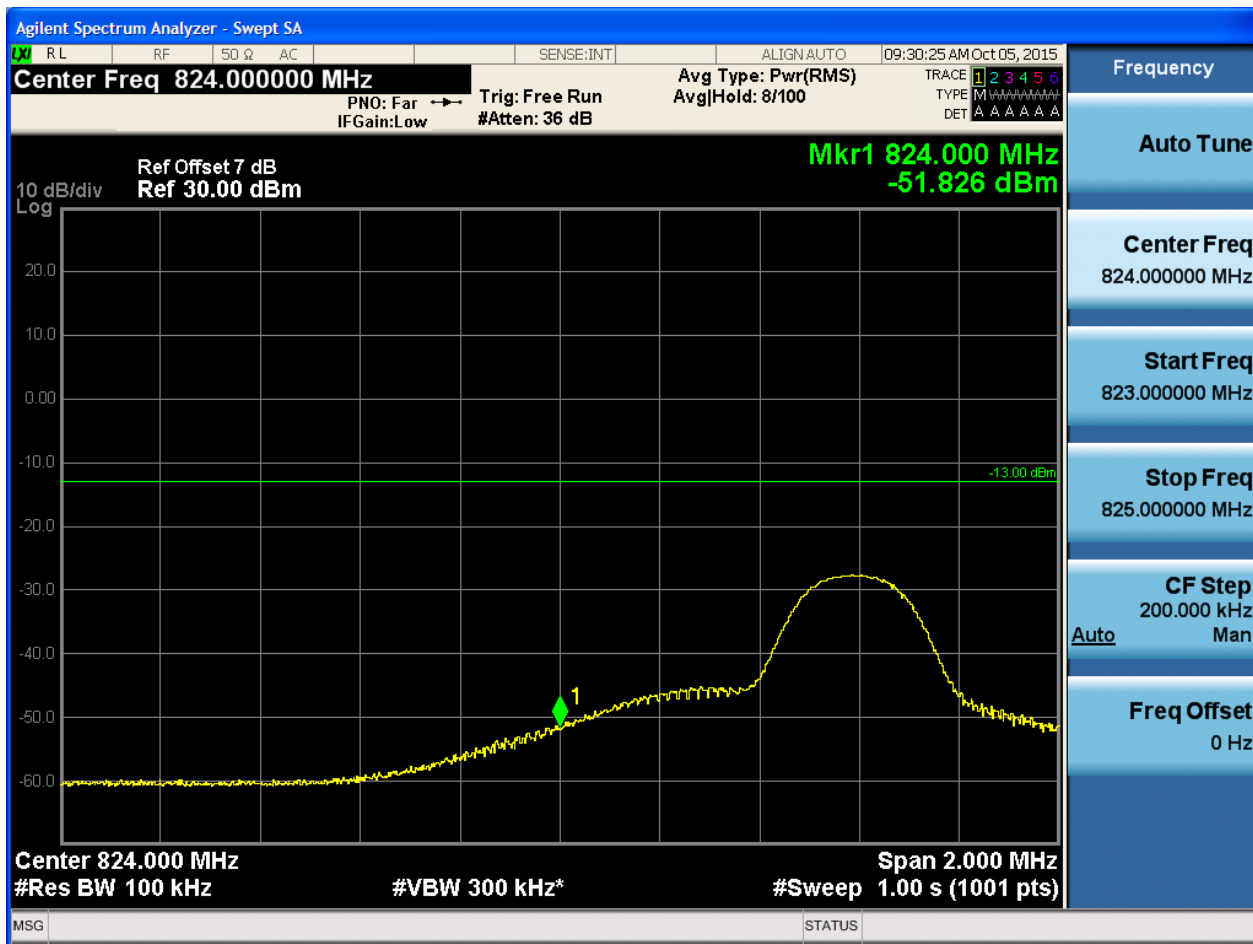
5.1.1.1.4.1 Test Channel = LCH

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





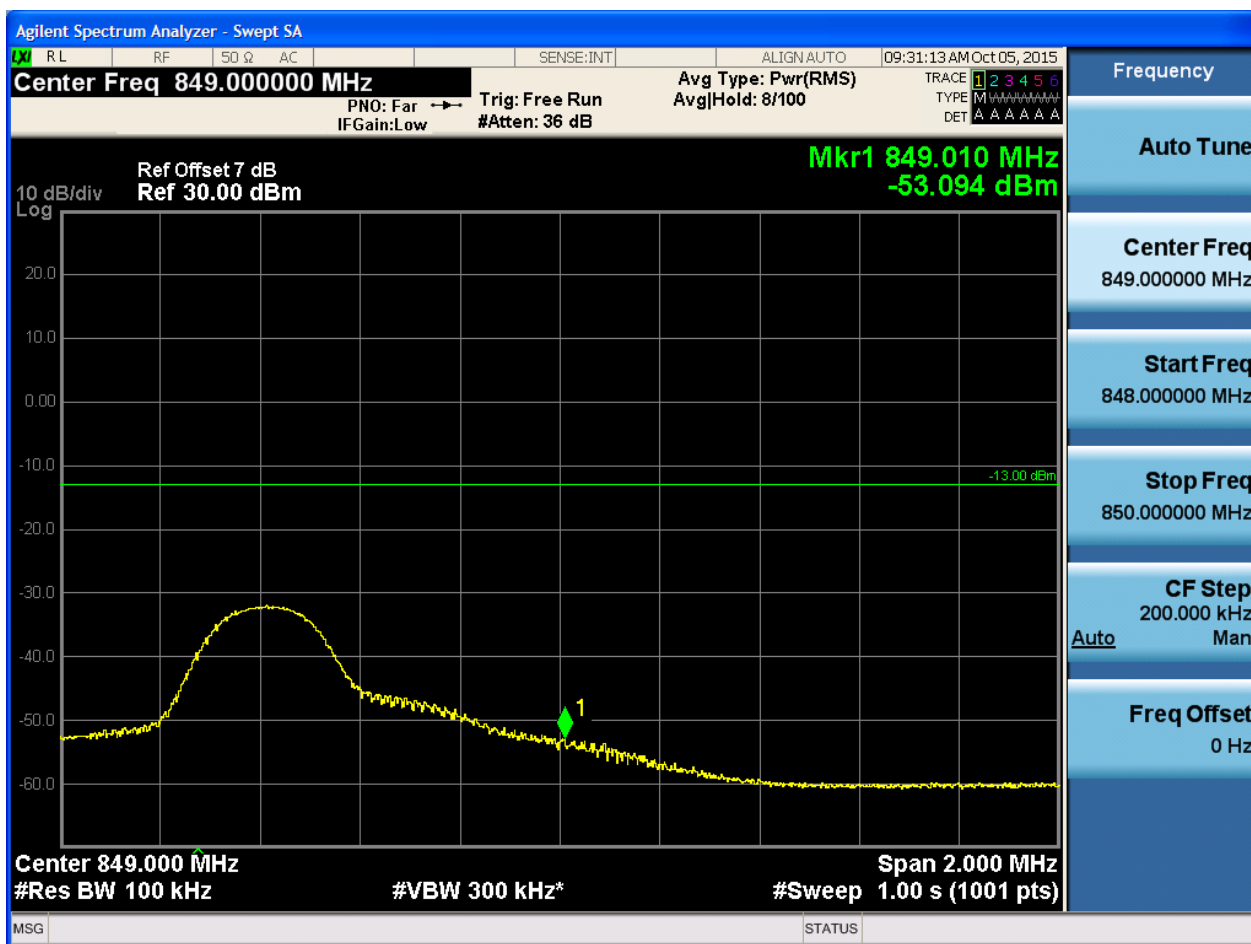
5.1.1.1.4.1.4 Test RB = RB50#0





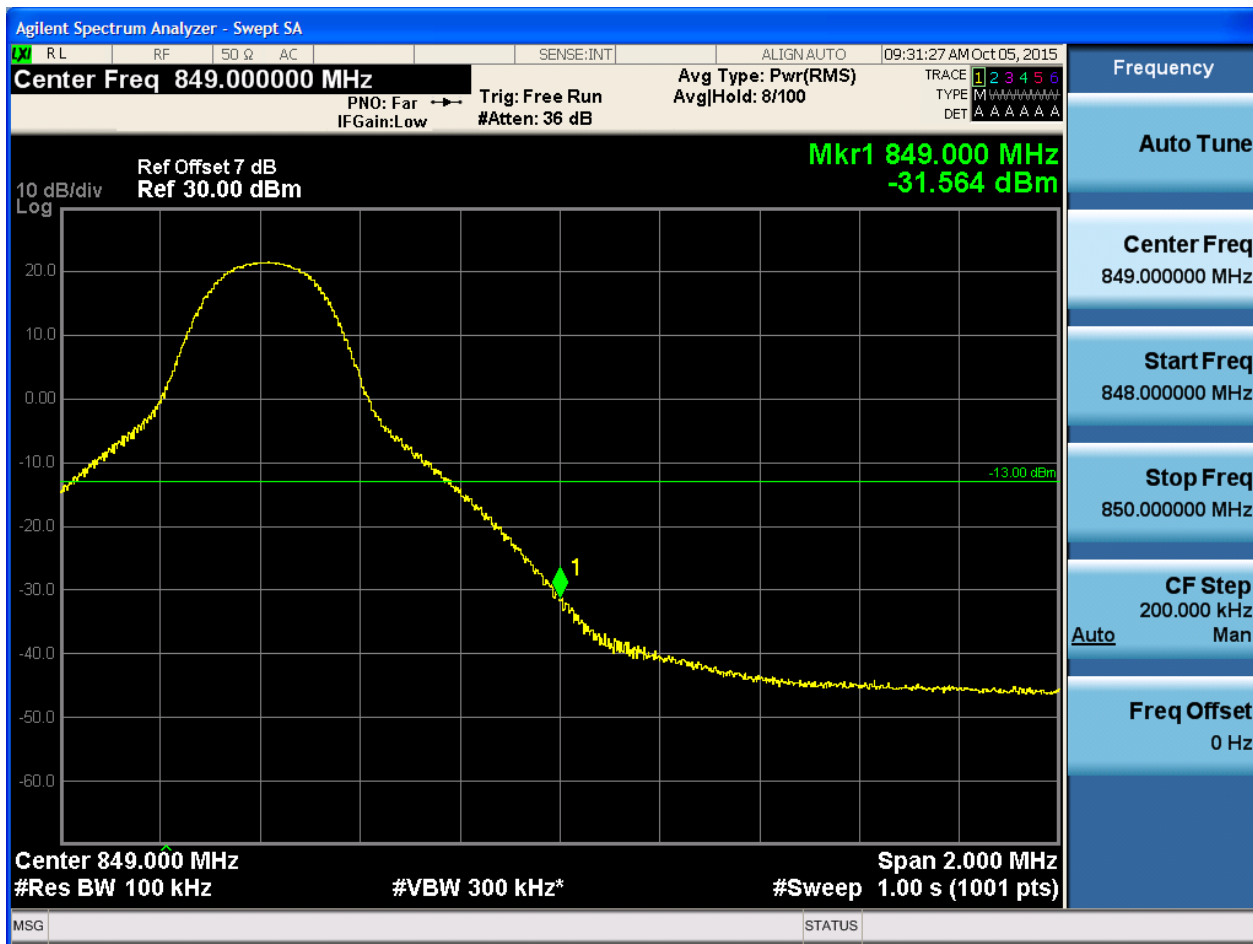
5.1.1.1.4.2 Test Channel = HCH

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



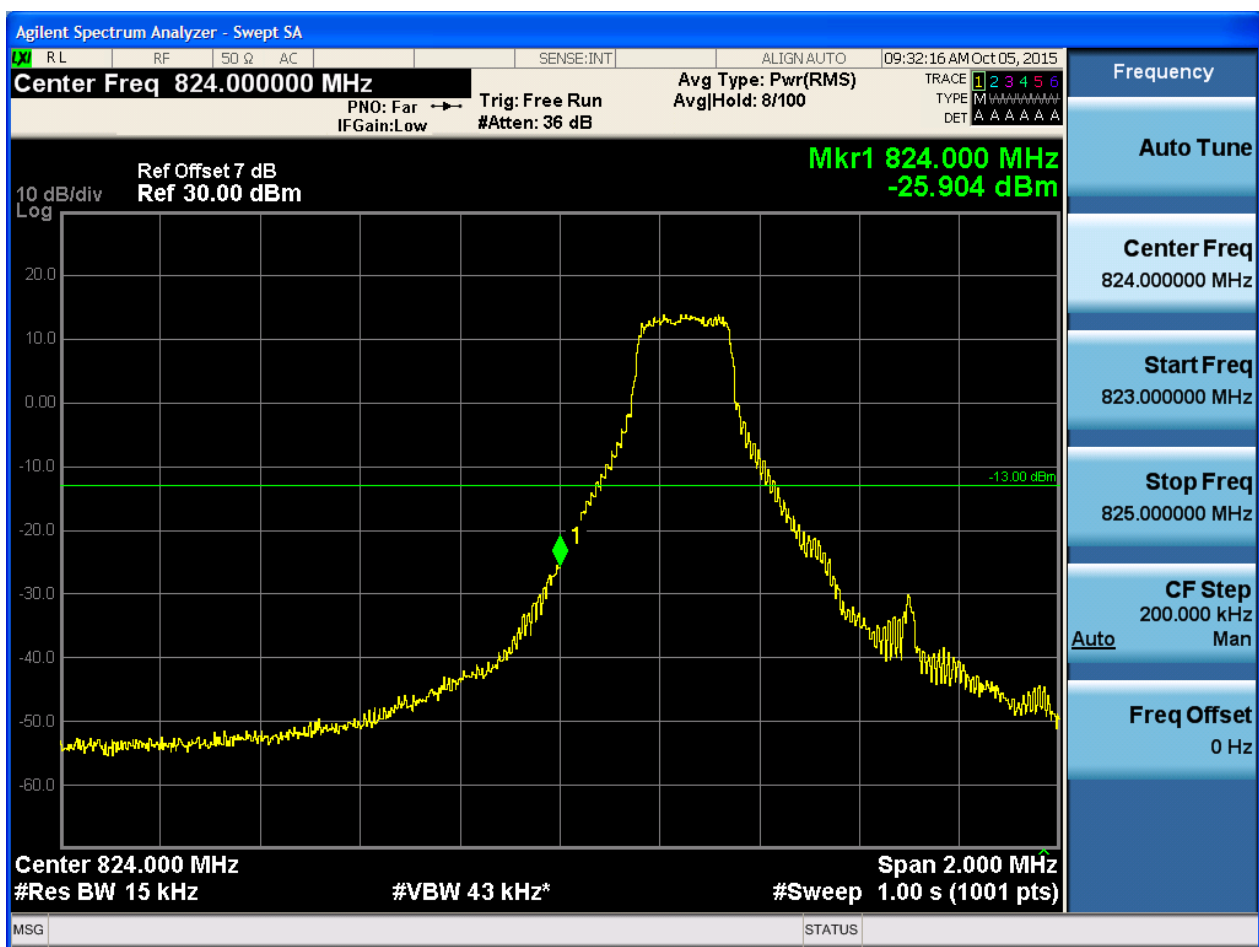


5.1.1.2 Test Mode = LTE/TM2

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



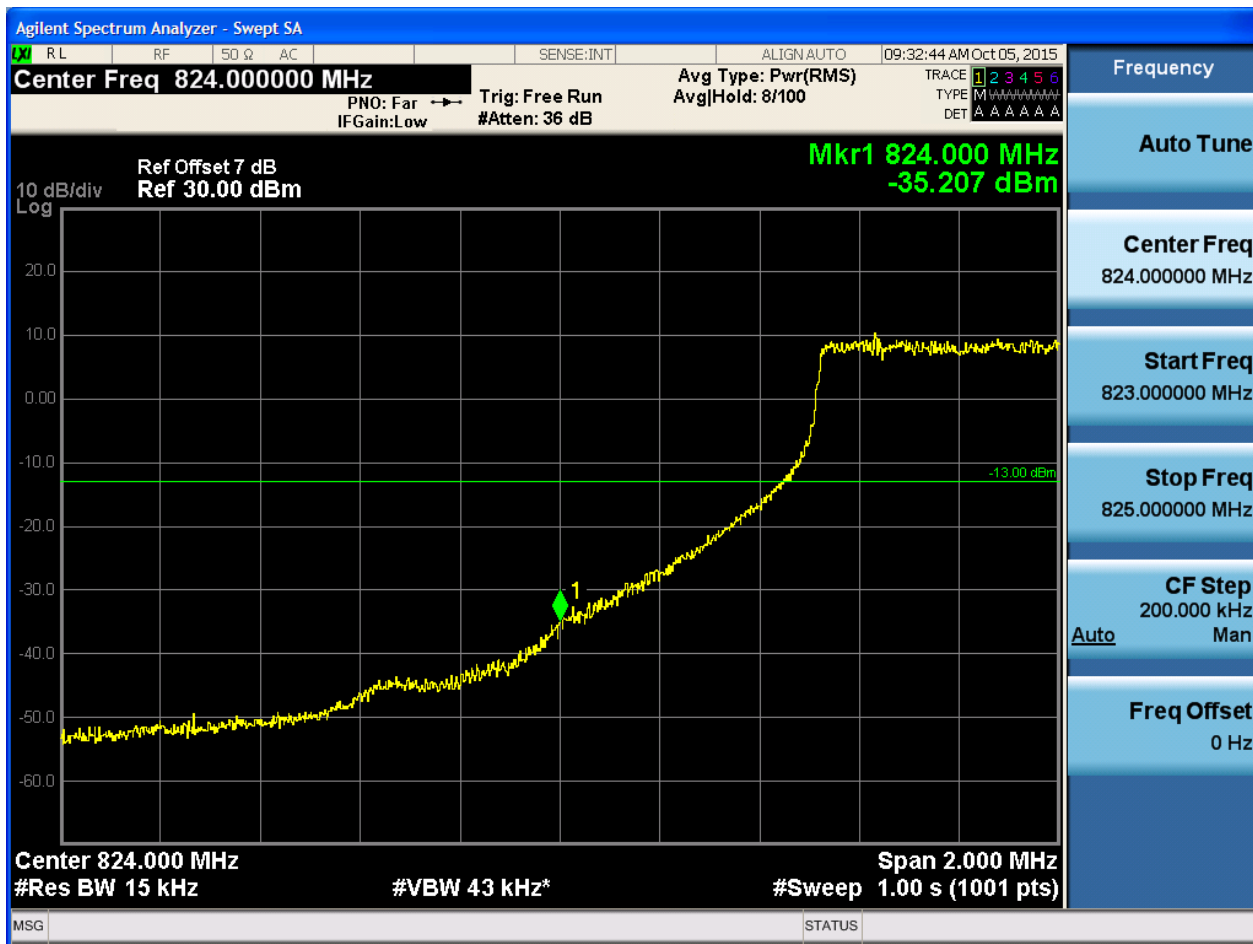


5.1.1.2.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





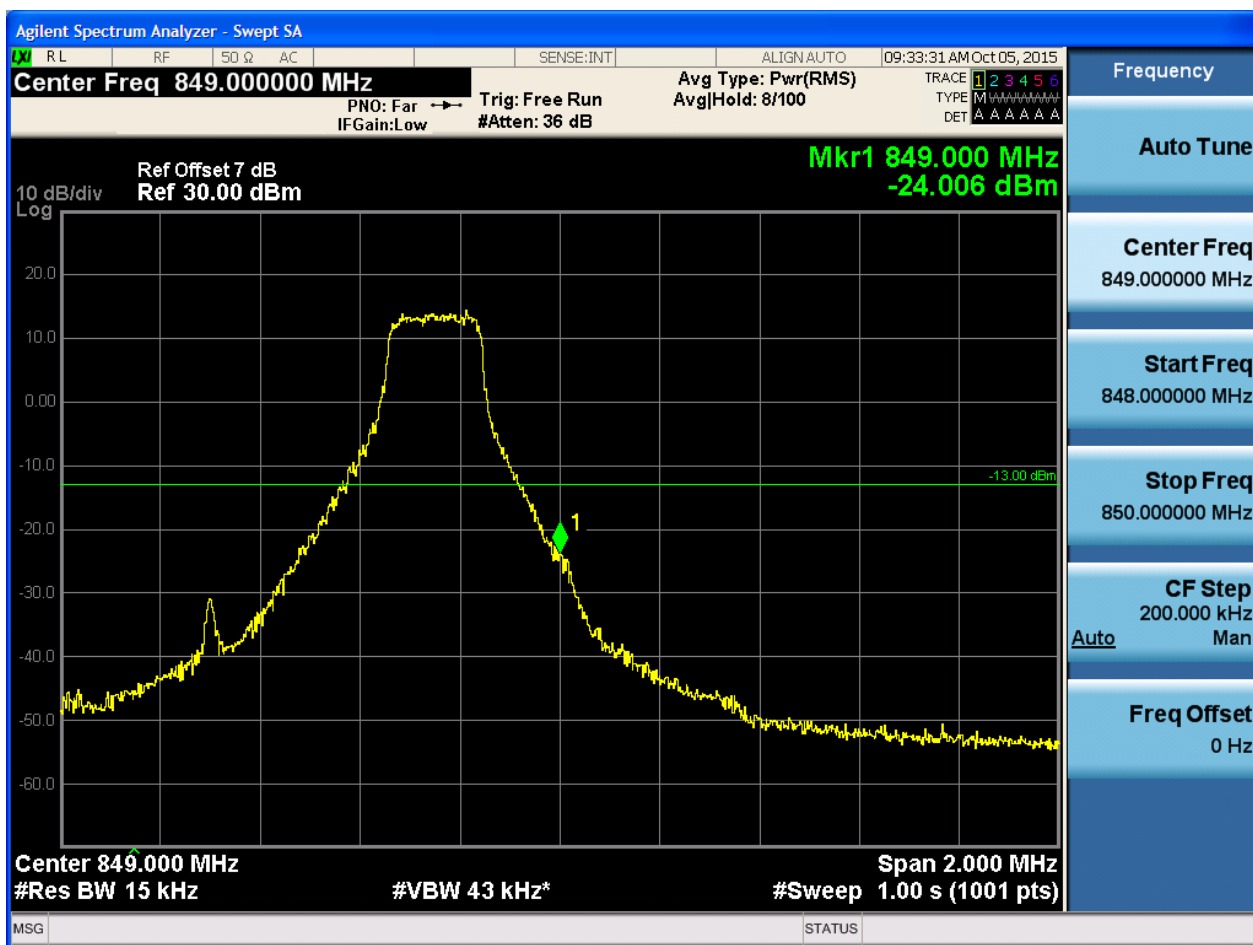
5.1.1.2.1.2 Test Channel = HCH

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





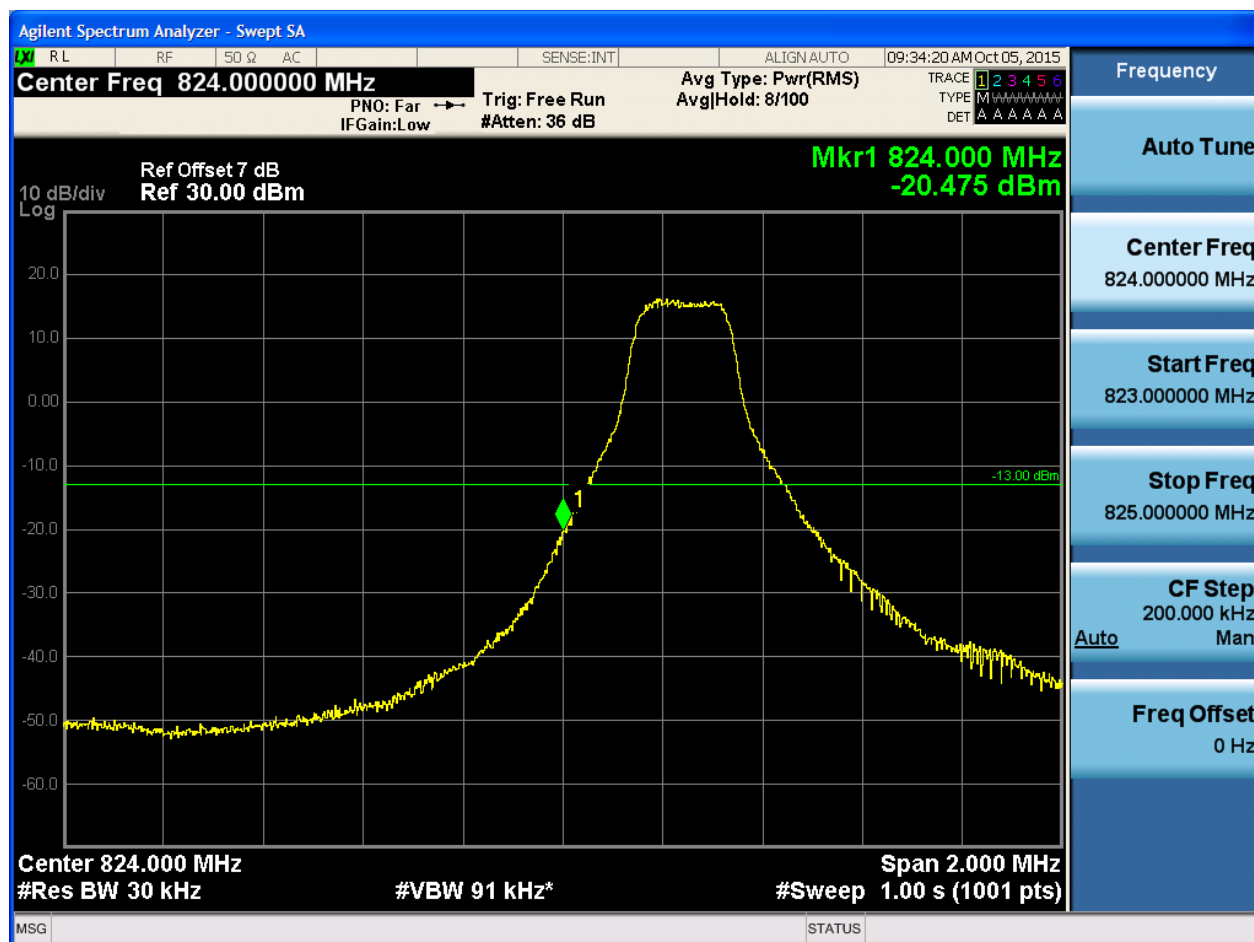
5.1.1.2.1.2.4 Test RB = RB6#0



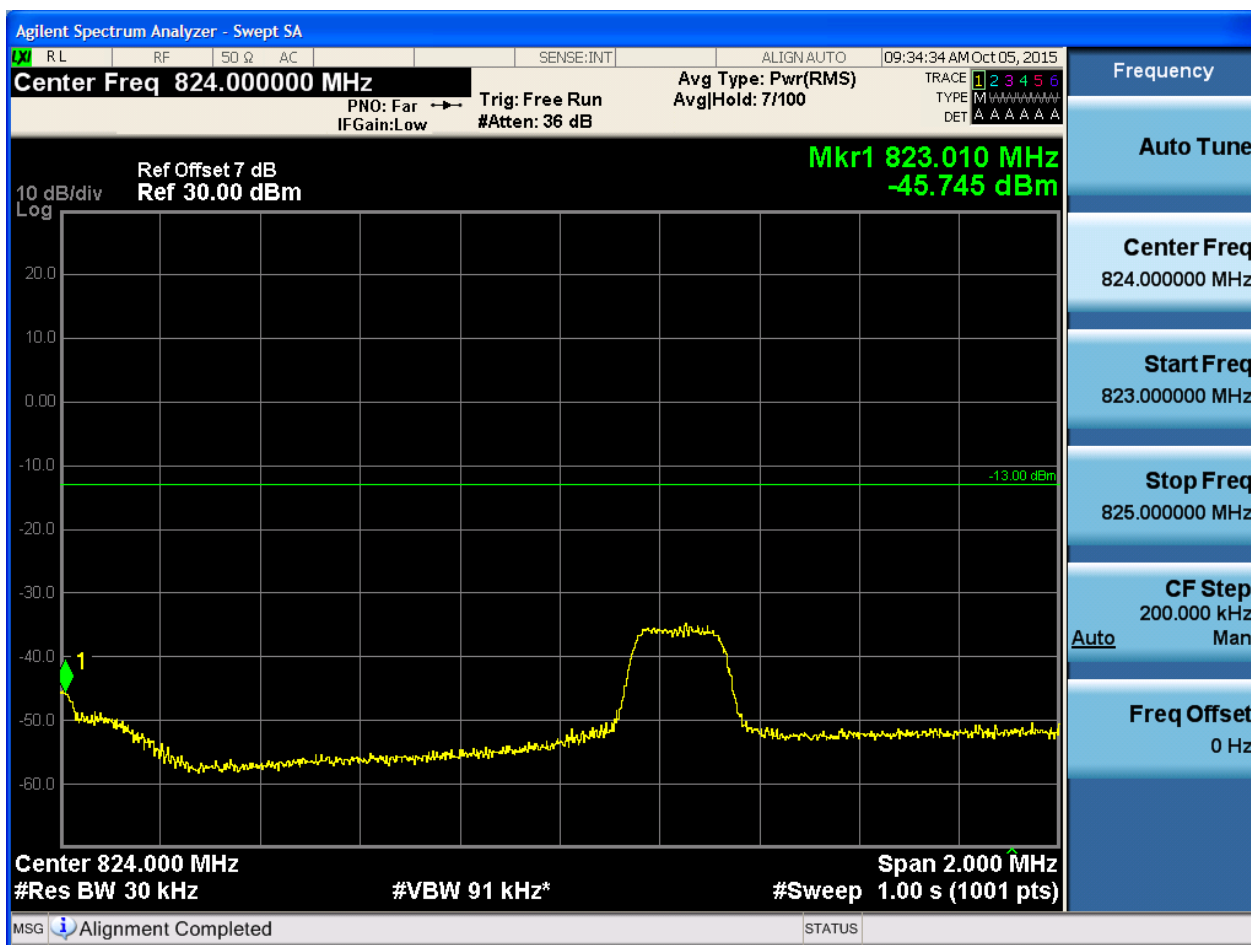
5.1.1.2.2 Test Bandwidth = 3

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



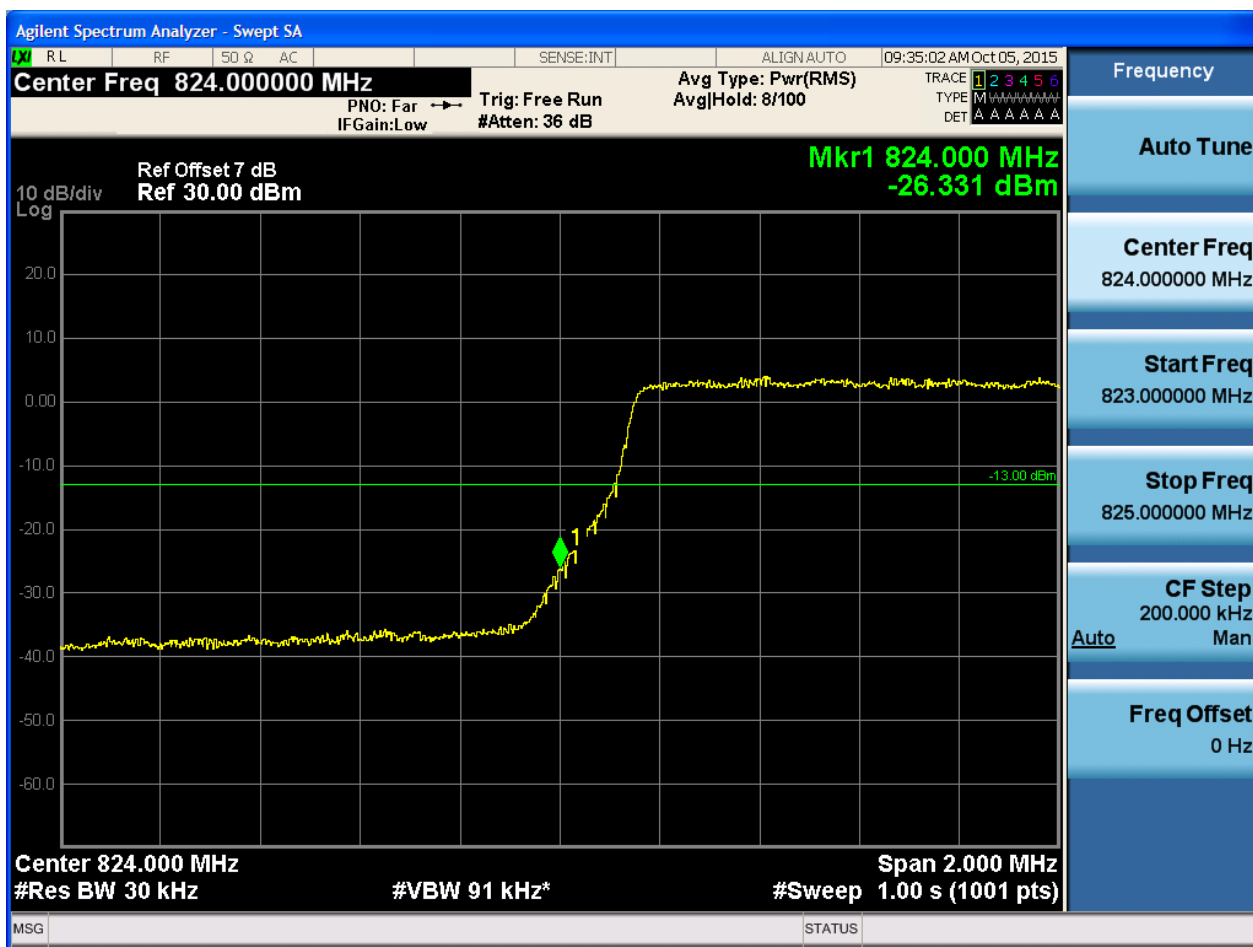


5.1.1.2.2.1.3 Test RB = RB8#4





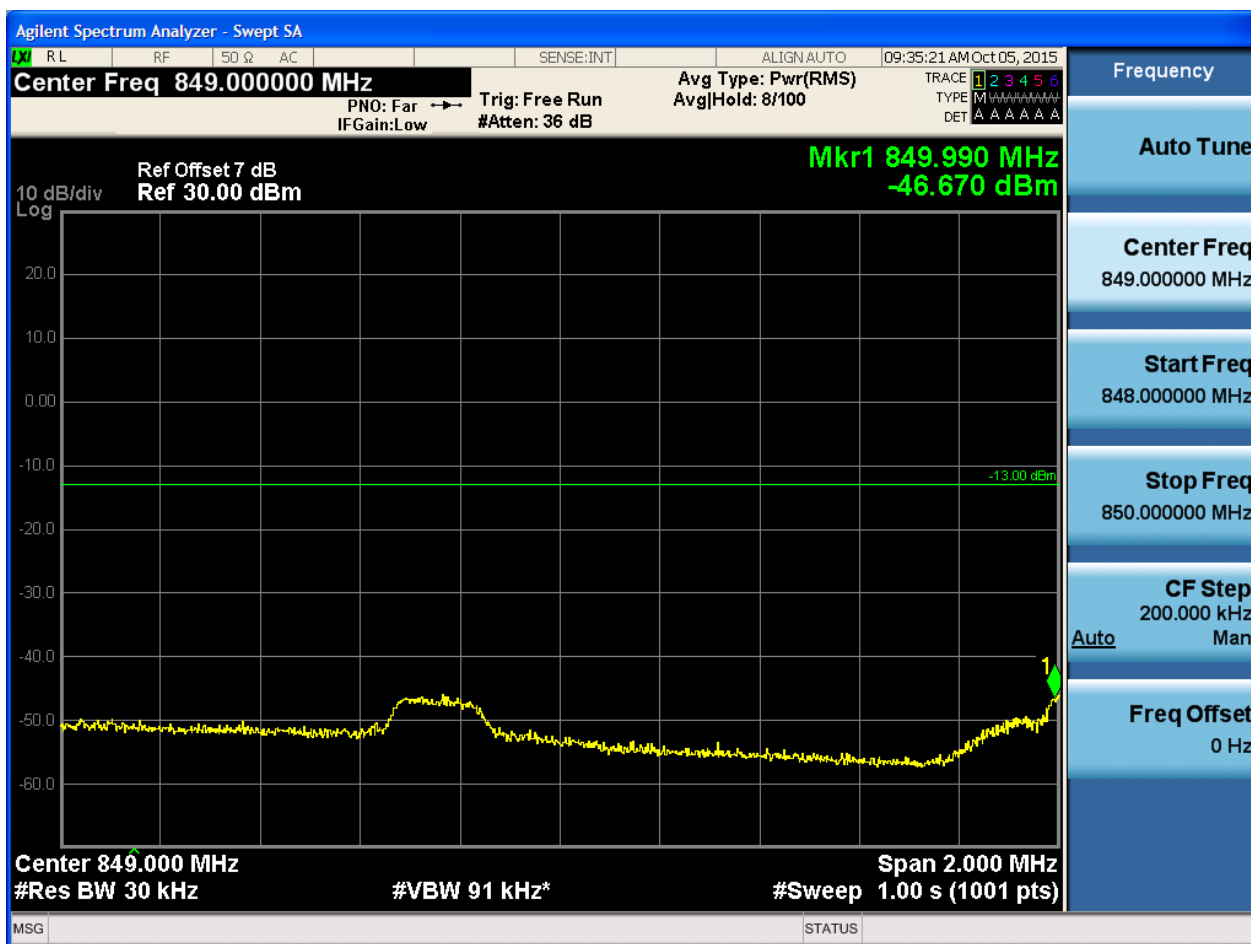
5.1.1.2.2.1.4 Test RB = RB15#0





5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





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
-20.901 dBm

Center 849.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

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



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
-34.874 dBm

Center 849.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

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



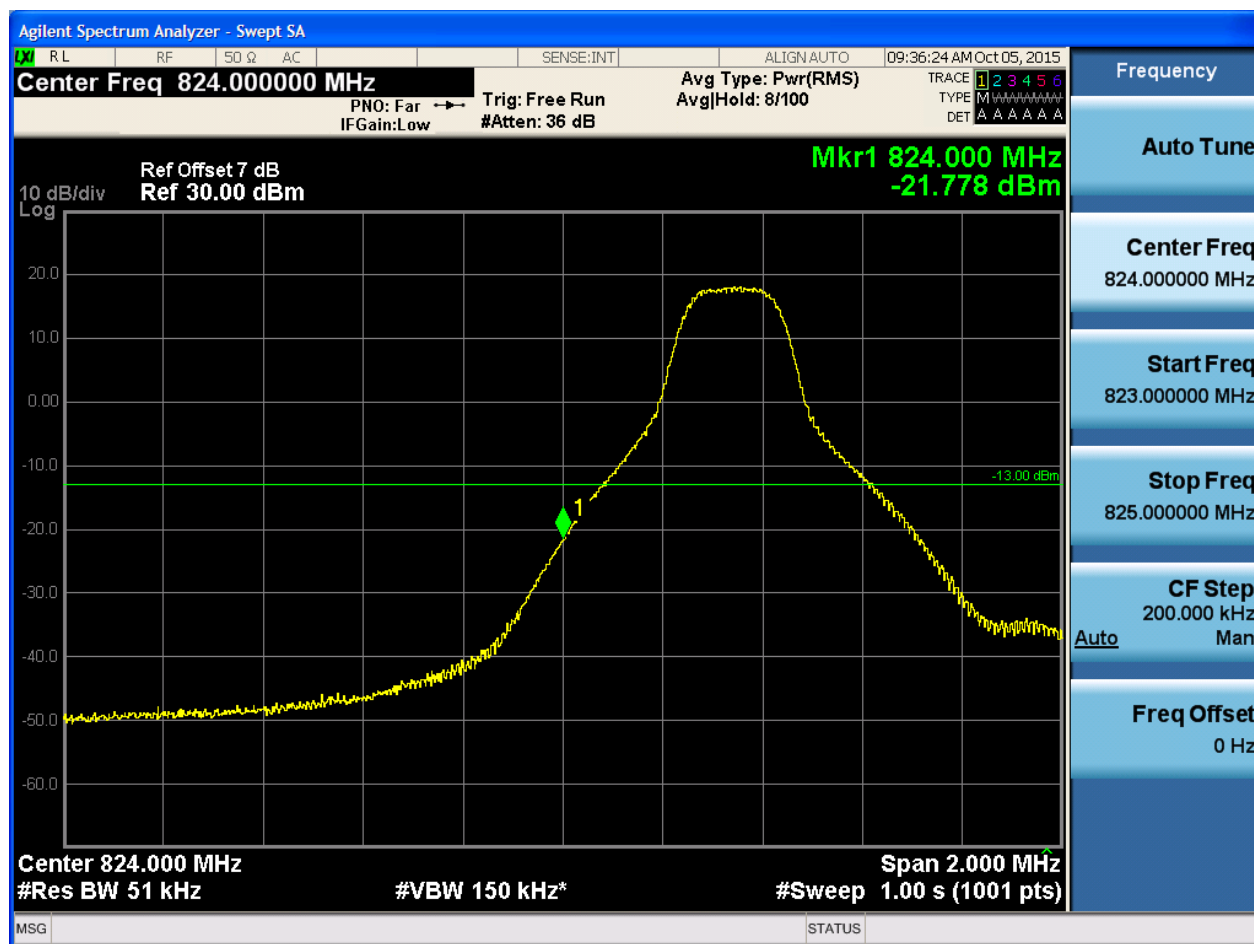
5.1.1.2.2.4 Test RB = RB15#0



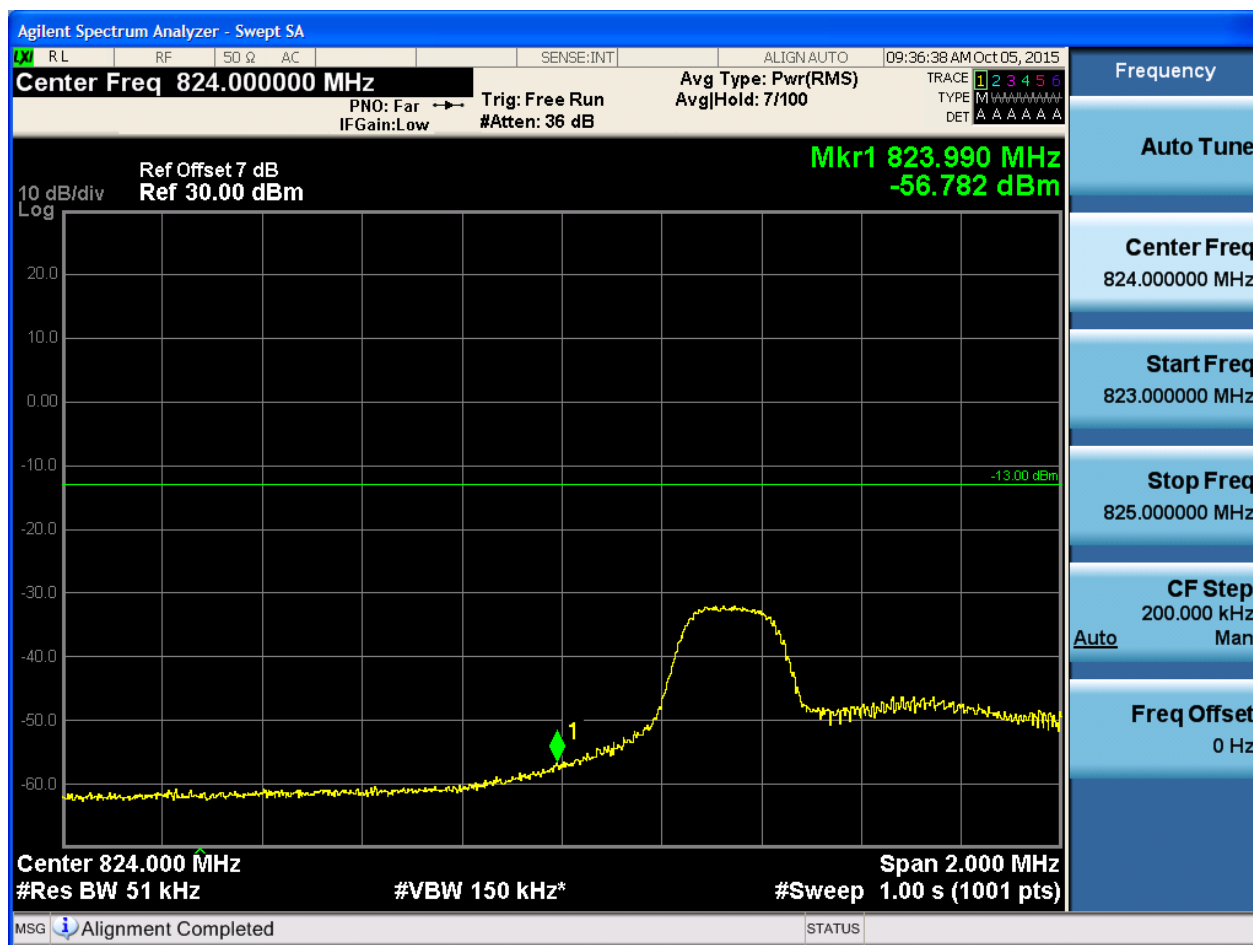
5.1.1.2.3 Test Bandwidth = 5

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0



5.1.1.2.3.1.2 Test RB = RB1#24



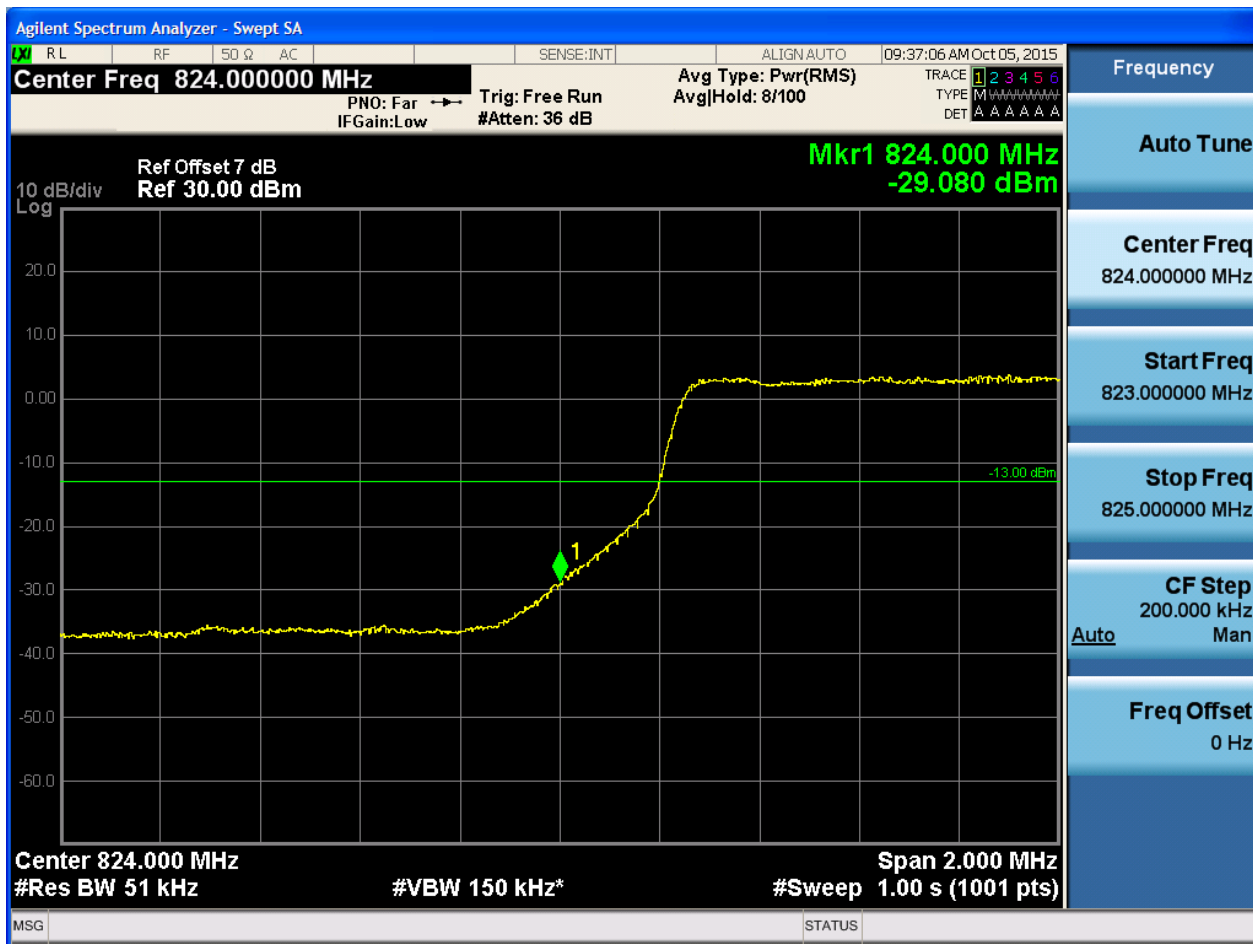


5.1.1.2.3.1.3 Test RB = RB12#6





5.1.1.2.3.1.4 Test RB = RB25#0





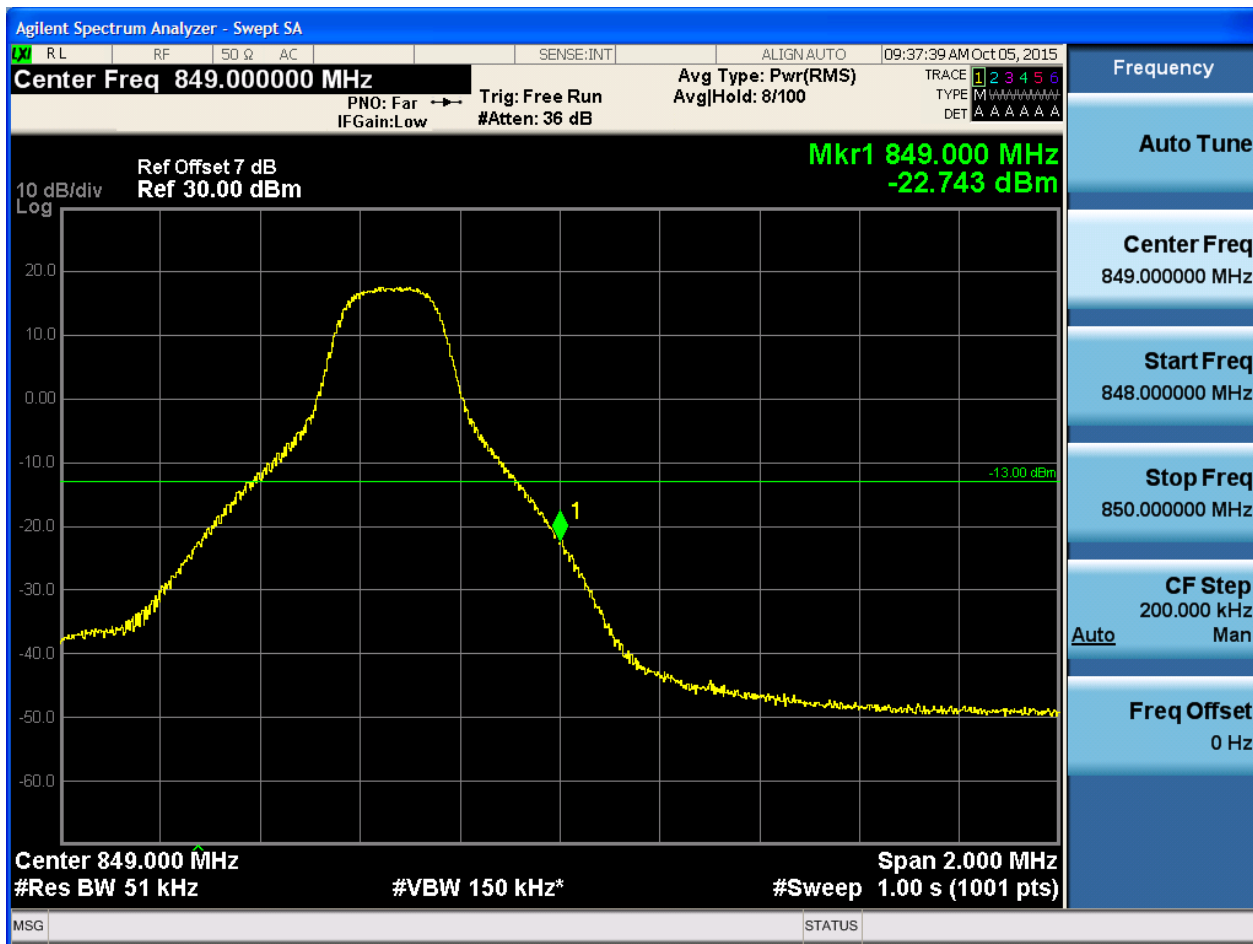
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#24





5.1.1.2.3.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq 849.000000 MHz

Start Freq 848.000000 MHz

Stop Freq 850.000000 MHz

CF Step 200.000 kHz
Auto Man

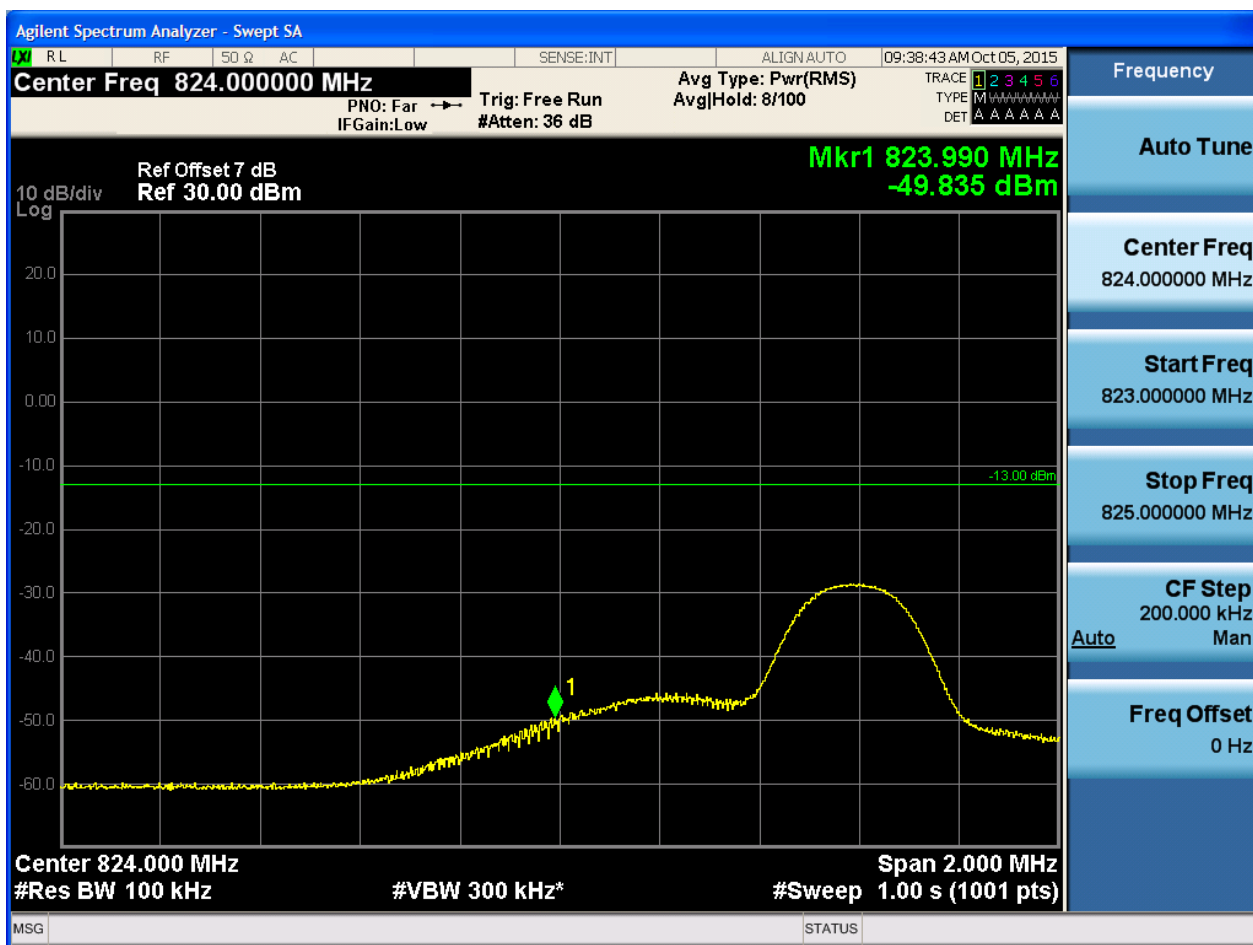
Freq Offset 0 Hz

MSG STATUS





5.1.1.2.4.1.2 Test RB = RB1#49





5.1.1.2.4.1.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 823.990 MHz
-31.827 dBm

Center 824.000 MHz
#Res BW 100 kHz

#VBW 300 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

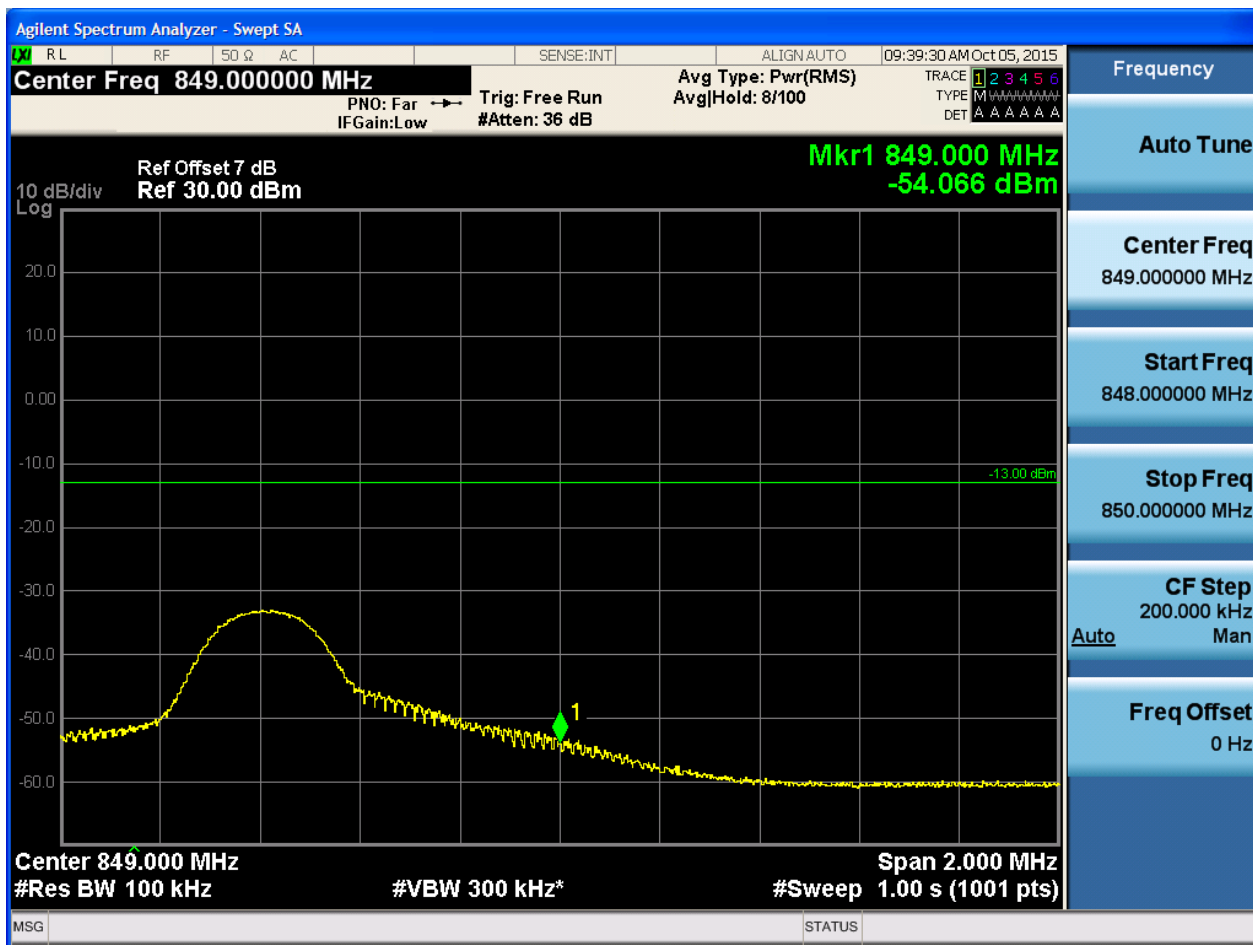
Detailed description: The image shows the front panel of an Agilent Spectrum Analyzer. The main display is a swept spectrum plot with a black background and a white grid. The vertical axis represents power in dBm, ranging from -60.0 to 20.0, with a 10 dB/div scale. The horizontal axis represents frequency in MHz, with a center frequency of 824.000 MHz and a span of 2.000 MHz. A yellow trace shows a signal that is flat at approximately -35 dBm until about 823.5 MHz, then rises sharply to about -13 dBm by 824.5 MHz. A green horizontal line is drawn at -13.00 dBm. A yellow marker labeled '1' is positioned at 823.990 MHz with a power of -31.827 dBm. The top of the screen displays various settings: Center Freq 824.000000 MHz, Ref Offset 7 dB, Ref 30.00 dBm, PNO: Far, IF Gain: Low, Trig: Free Run, #Atten: 36 dB, Avg Type: Pwr(RMS), Avg Hold: 8/100, and a timestamp of 09:39:10 AM Oct 05, 2015. The right side of the screen features a vertical panel with buttons for Frequency, Auto Tune, Center Freq, Start Freq, Stop Freq, CF Step, Auto, and Freq Offset.

Parameter	Value
Center Freq	824.000000 MHz
Ref Offset	7 dB
Ref Power	30.00 dBm
Marker 1 Freq	823.990 MHz
Marker 1 Power	-31.827 dBm
Center Freq	824.000 MHz
Resolution BW	100 kHz
VBW	300 kHz
Span	2.000 MHz
Sweep Time	1.00 s (1001 pts)
Start Freq	823.000000 MHz
Stop Freq	825.000000 MHz
CF Step	200.000 kHz
Freq Offset	0 Hz



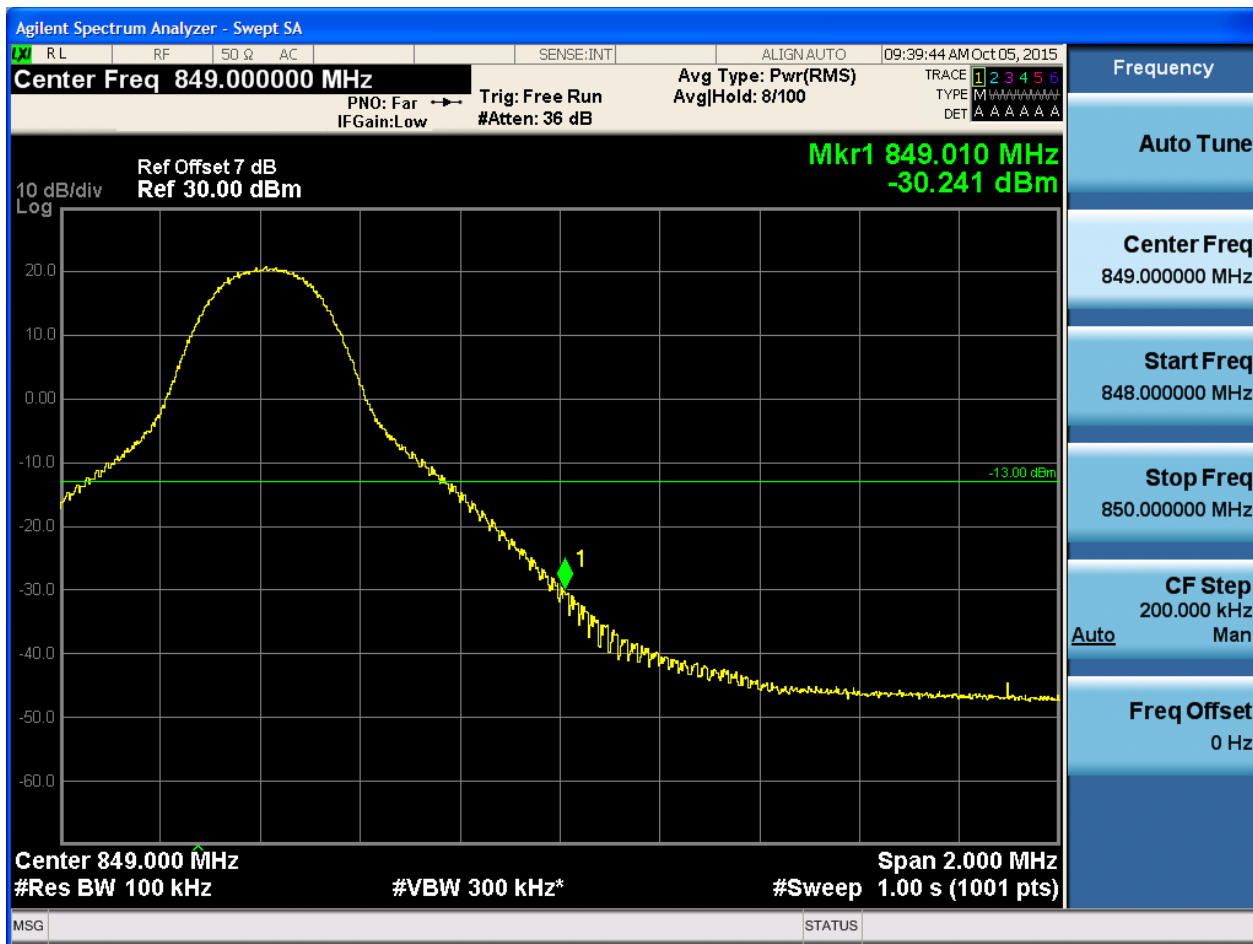
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0





5.1.1.2.4.2.2 Test RB = RB1#49





5.1.1.2.4.2.3 Test RB = RB25#13





5.1.1.2.4.2.4 Test RB = RB50#0



6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

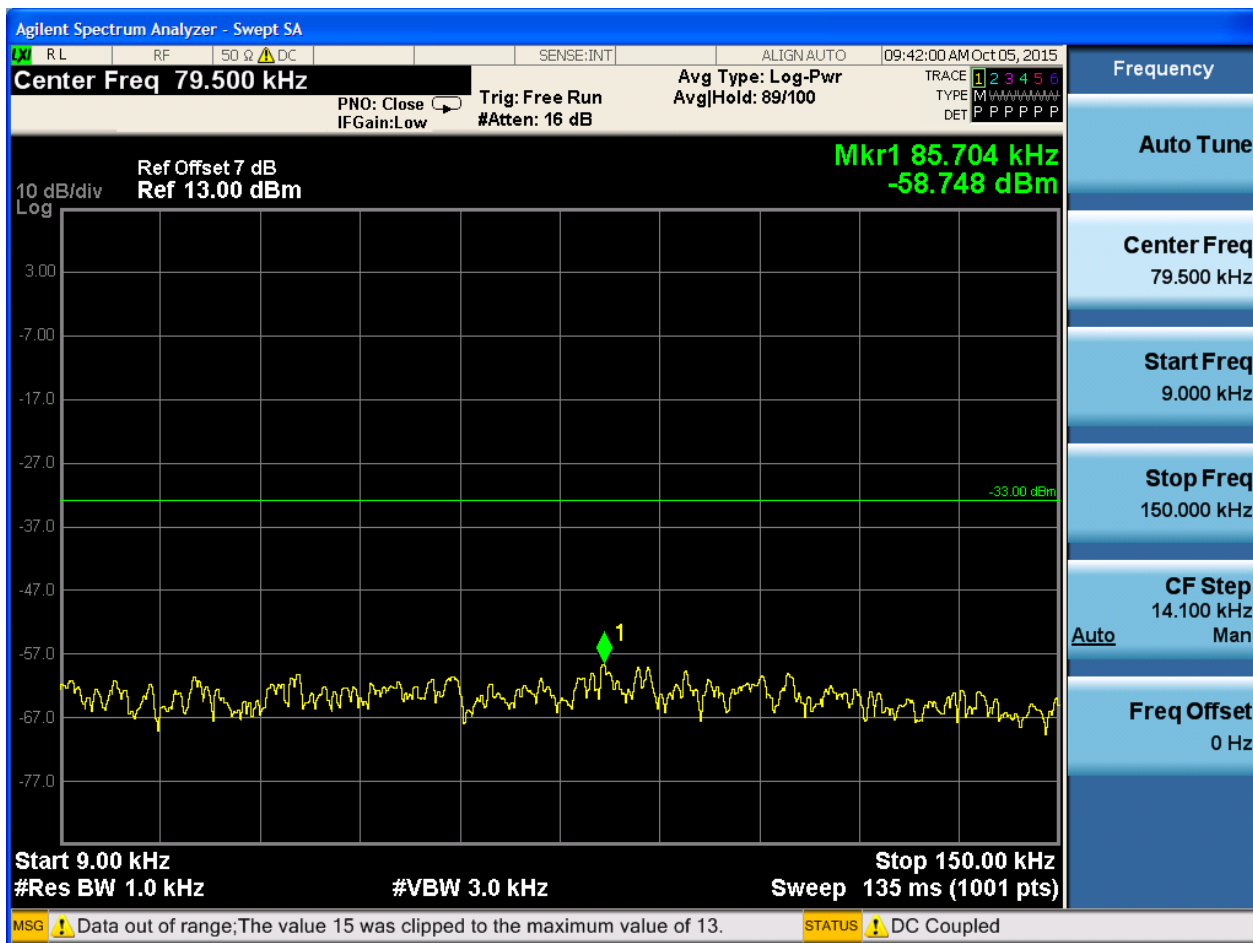
6.1.1 Test Band = BAND5

6.1.1.1 Test Mode = LTE/TM1

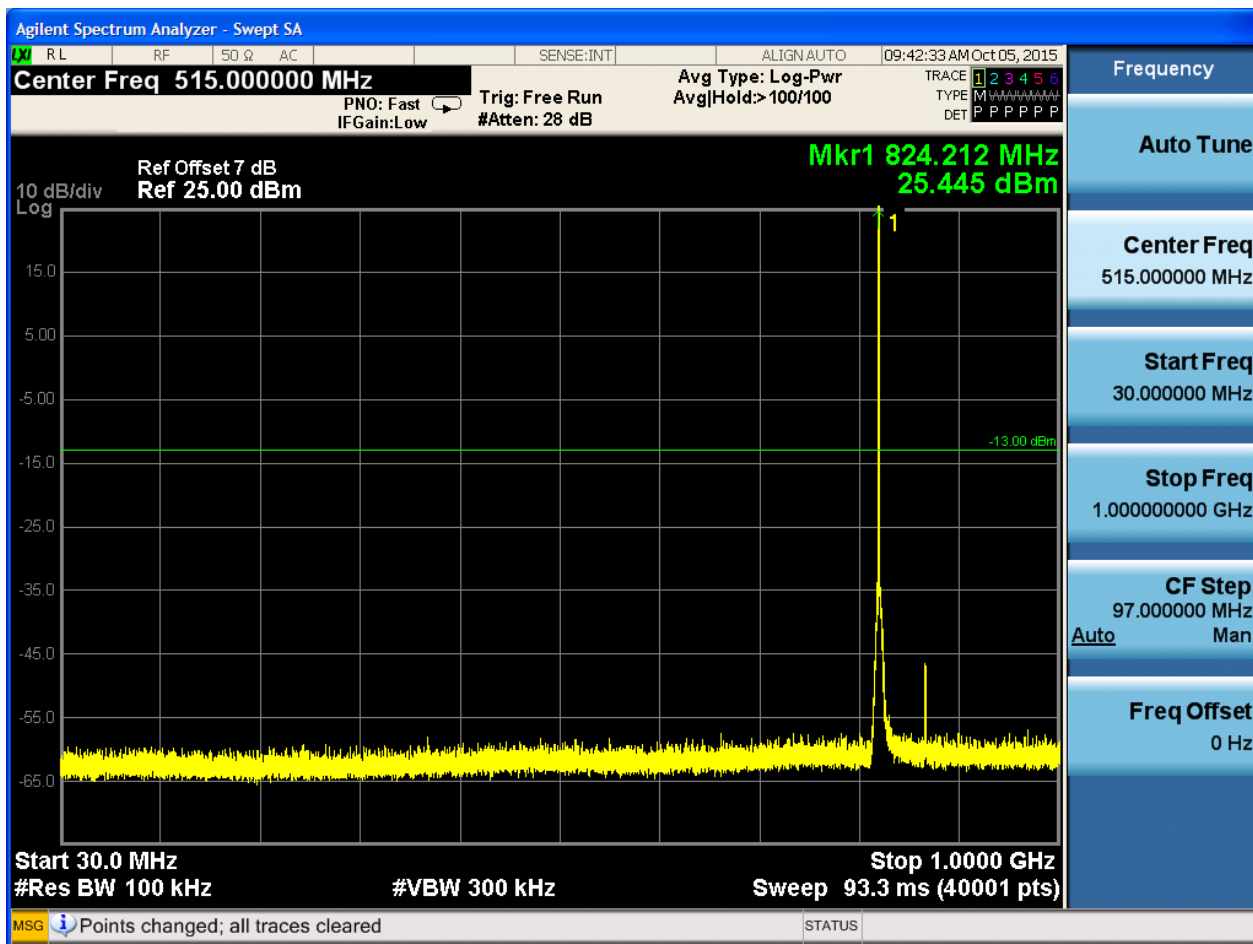
6.1.1.1.1 Test Bandwidth = 1.4

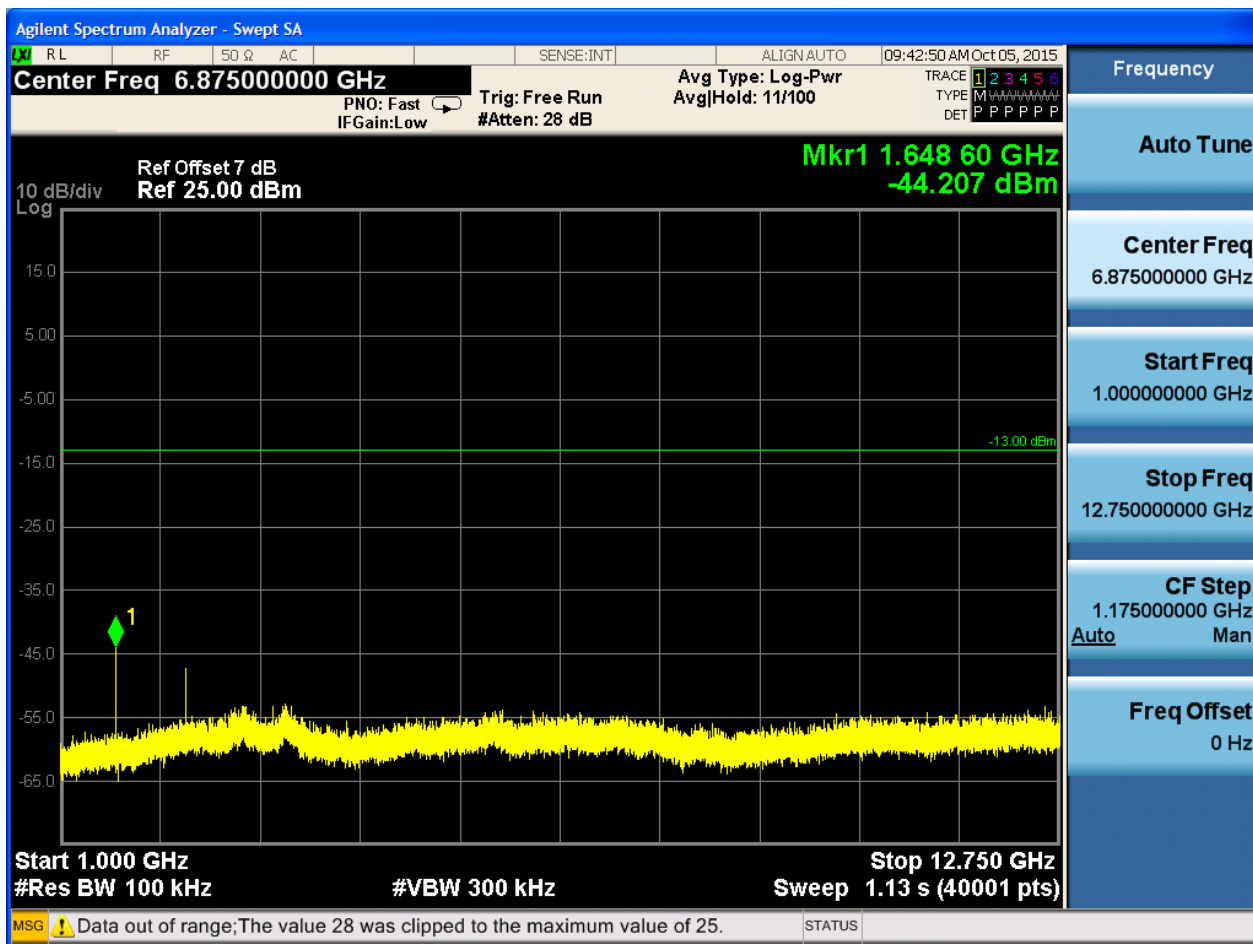
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



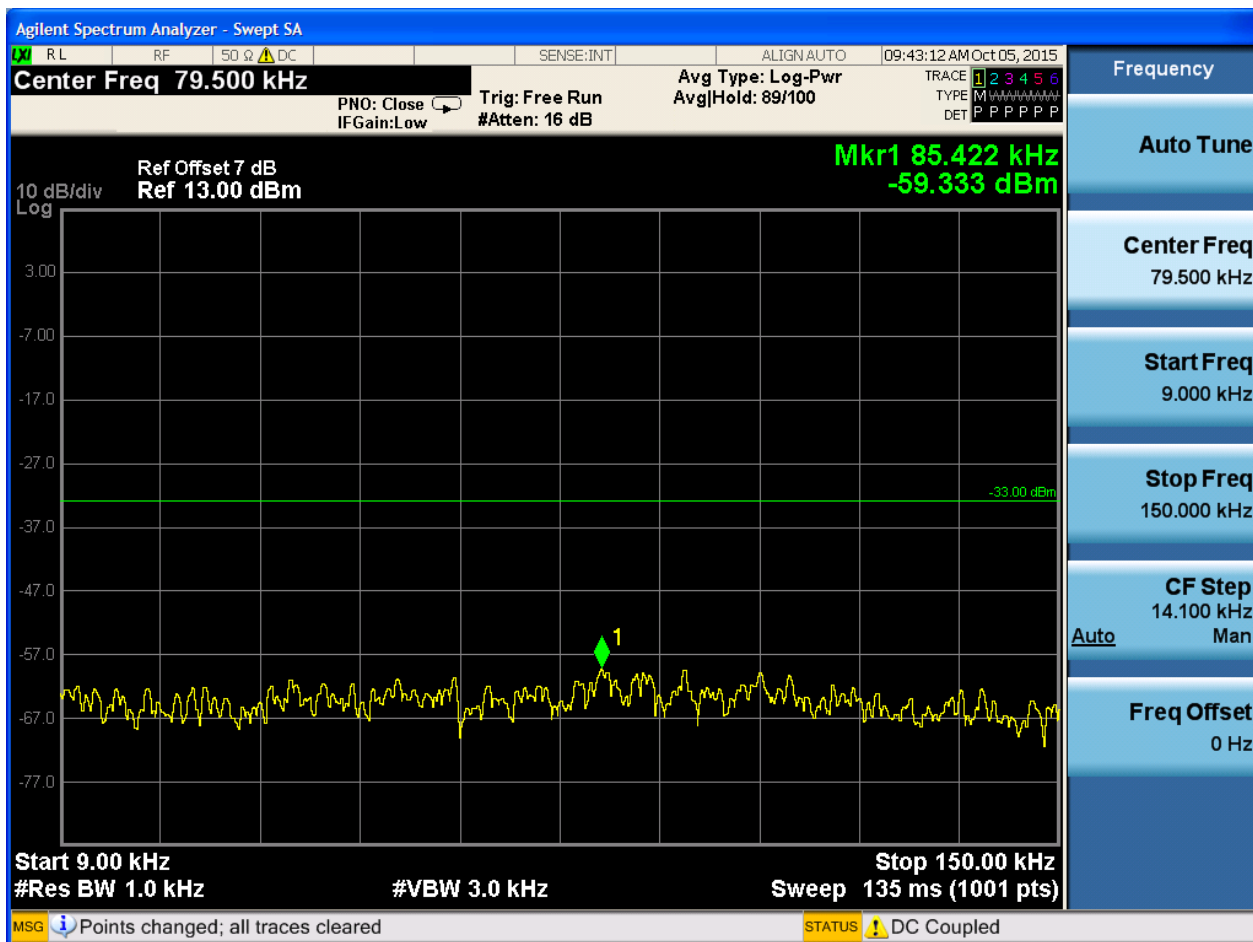




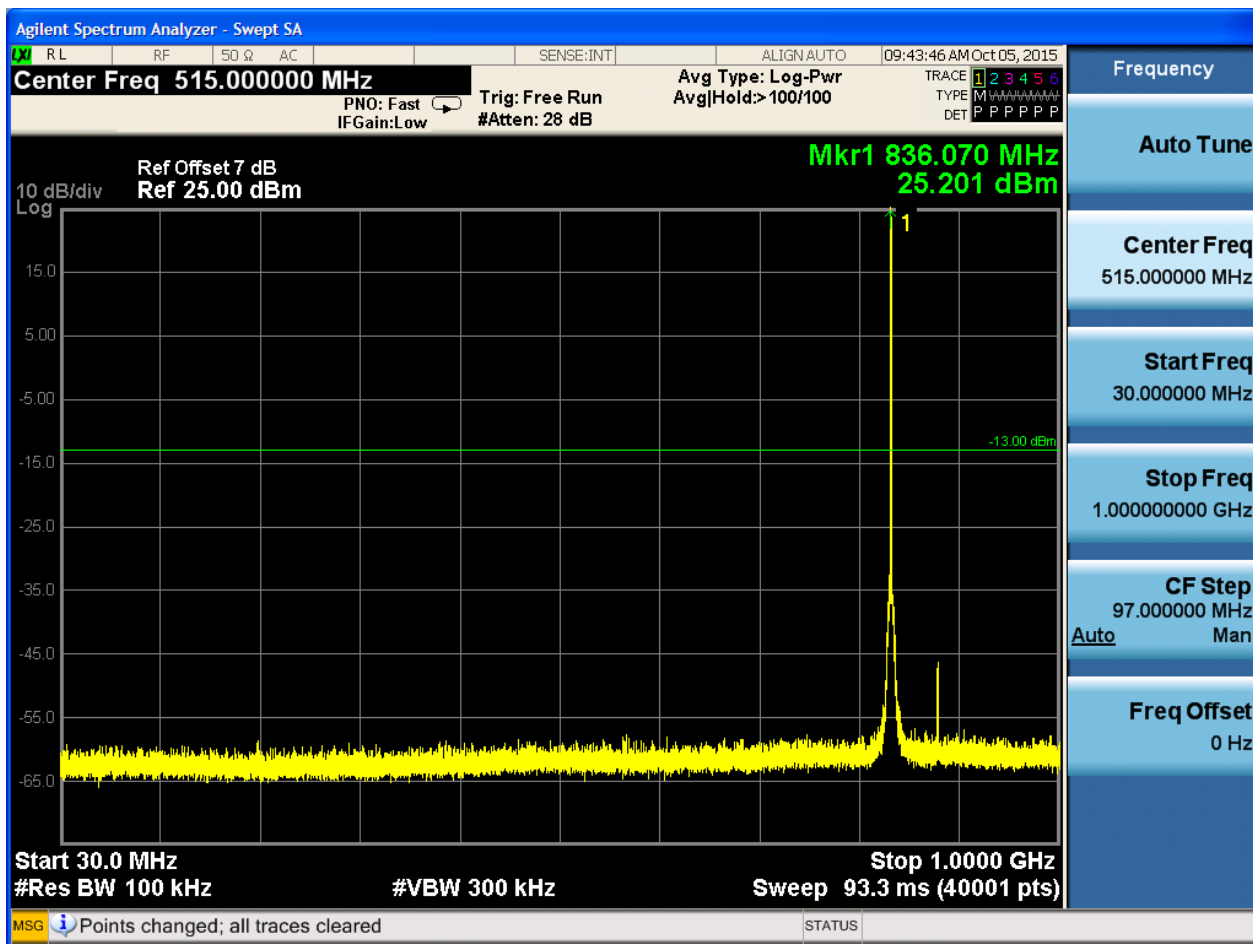


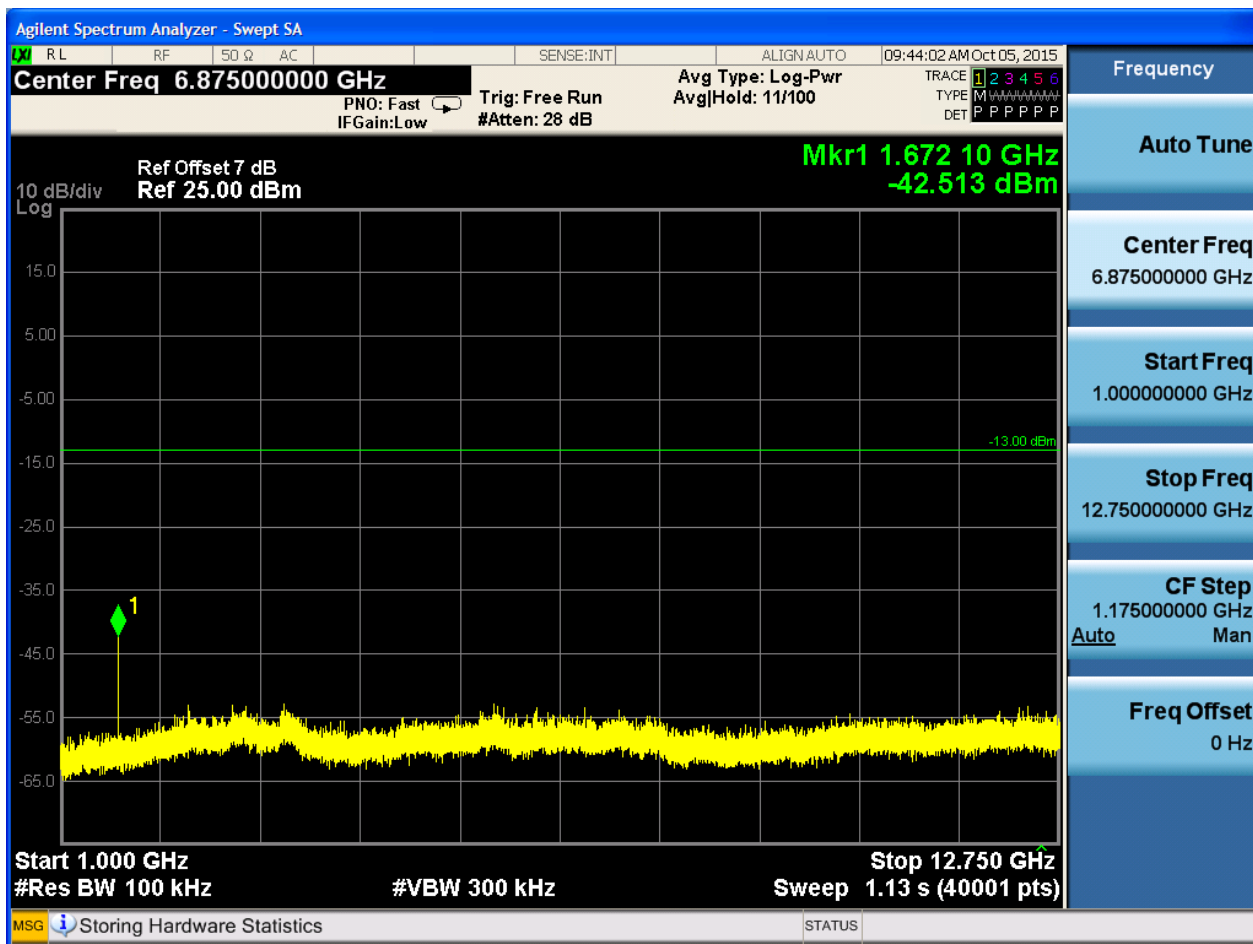
6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0











6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0

