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/EIRP [dBm]	Limit [dBm]	Verdict
BAND5	LTE/TM1	1.4	LCH	RB1#0	22.13	16.36	38.5	PASS
				RB1#3	22.48	16.83	38.5	PASS
				RB1#5	22.33	16.43	38.5	PASS
				RB3#0	22.24	16.50	38.5	PASS
				RB3#2	22.39	16.59	38.5	PASS
				RB3#3	22.37	16.62	38.5	PASS
				RB6#0	21.31	15.55	38.5	PASS
			MCH	RB1#0	22.54	16.70	38.5	PASS
				RB1#3	22.53	16.89	38.5	PASS
				RB1#5	22.46	16.65	38.5	PASS
				RB3#0	22.53	16.64	38.5	PASS
				RB3#2	22.54	16.62	38.5	PASS
				RB3#3	22.48	16.70	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.5	15.74	38.5	PASS
			HCH	RB1#0	22.68	16.87	38.5	PASS
				RB1#3	22.86	17.09	38.5	PASS
				RB1#5	22.64	16.77	38.5	PASS
				RB3#0	22.81	16.90	38.5	PASS
				RB3#2	22.81	16.92	38.5	PASS
				RB3#3	22.66	16.98	38.5	PASS
				RB6#0	21.81	16.08	38.5	PASS
		3	LCH	RB1#0	21.94	16.29	38.5	PASS
				RB1#7	22.58	16.91	38.5	PASS
				RB1#14	22.51	16.60	38.5	PASS
				RB8#0	21.21	15.35	38.5	PASS
				RB8#4	21.55	15.90	38.5	PASS
				RB8#7	21.6	15.70	38.5	PASS
				RB15#0	21.45	15.58	38.5	PASS
			MCH	RB1#0	22.36	16.56	38.5	PASS
				RB1#7	22.56	16.93	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.44	16.72	38.5	PASS
				RB8#0	21.45	15.71	38.5	PASS
				RB8#4	21.48	15.71	38.5	PASS
				RB8#7	21.55	15.62	38.5	PASS
				RB15#0	21.42	15.53	38.5	PASS
			HCH	RB1#0	22.68	17.03	38.5	PASS
				RB1#7	22.92	17.24	38.5	PASS
				RB1#14	22.43	16.62	38.5	PASS
				RB8#0	21.89	16.20	38.5	PASS
				RB8#4	22	16.13	38.5	PASS
				RB8#7	21.83	16.02	38.5	PASS
				RB15#0	21.9	15.98	38.5	PASS
		5	LCH	RB1#0	22.04	16.28	38.5	PASS
				RB1#13	23.1	17.31	38.5	PASS
				RB1#24	22.69	16.78	38.5	PASS
				RB12#0	21.69	15.94	38.5	PASS
				RB12#6	21.98	16.22	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.97	16.16	38.5	PASS
				RB25#0	21.83	15.93	38.5	PASS
				RB1#0	22.52	16.72	38.5	PASS
				RB1#13	22.87	16.99	38.5	PASS
				RB1#24	22.34	16.65	38.5	PASS
			MCH	RB12#0	21.84	15.94	38.5	PASS
				RB12#6	21.91	16.25	38.5	PASS
				RB12#13	21.79	15.94	38.5	PASS
				RB25#0	21.87	16.07	38.5	PASS
				RB1#0	22.96	17.23	38.5	PASS
				RB1#13	23.42	17.66	38.5	PASS
				RB1#24	22.42	16.75	38.5	PASS
			HCH	RB12#0	22.31	16.56	38.5	PASS
				RB12#6	22.45	16.81	38.5	PASS
				RB12#13	22.13	16.22	38.5	PASS
				RB25#0	22.29	16.37	38.5	PASS
		10	LCH	RB1#0	22.38	16.61	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	23.76	17.90	38.5	PASS
				RB1#49	22.48	16.59	38.5	PASS
				RB25#0	22.06	16.31	38.5	PASS
				RB25#13	22.44	16.56	38.5	PASS
				RB25#25	22.26	16.40	38.5	PASS
				RB50#0	22.21	16.30	38.5	PASS
			MCH	RB1#0	22.89	17.07	38.5	PASS
				RB1#25	23.32	17.52	38.5	PASS
				RB1#49	22.26	16.36	38.5	PASS
				RB25#0	22.18	16.46	38.5	PASS
				RB25#13	22.25	16.60	38.5	PASS
				RB25#25	21.94	16.07	38.5	PASS
				RB50#0	22.04	16.13	38.5	PASS
			HCH	RB1#0	22.77	16.98	38.5	PASS
				RB1#25	23.97	18.28	38.5	PASS
				RB1#49	22.28	16.63	38.5	PASS
				RB25#0	22.28	16.55	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.68	16.98	38.5	PASS
				RB25#25	22.45	16.67	38.5	PASS
				RB50#0	22.26	16.62	38.5	PASS
BAND5	LTE/TM2	1.4	LCH	RB1#0	21.39	15.63	38.5	PASS
				RB1#3	21.71	15.91	38.5	PASS
				RB1#5	21.57	15.74	38.5	PASS
				RB3#0	21.3	15.62	38.5	PASS
				RB3#2	21.35	15.52	38.5	PASS
				RB3#3	21.42	15.77	38.5	PASS
				RB6#0	20.3	14.59	38.5	PASS
			MCH	RB1#0	21.77	15.91	38.5	PASS
				RB1#3	21.85	16.08	38.5	PASS
				RB1#5	21.72	15.85	38.5	PASS
				RB3#0	21.49	15.67	38.5	PASS
				RB3#2	21.49	15.78	38.5	PASS
				RB3#3	21.43	15.75	38.5	PASS
				RB6#0	20.55	14.83	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.23	16.31	38.5	PASS
				RB1#3	21.9	16.06	38.5	PASS
				RB1#5	21.66	15.74	38.5	PASS
				RB3#0	21.87	16.18	38.5	PASS
				RB3#2	22.05	16.38	38.5	PASS
				RB3#3	21.94	16.17	38.5	PASS
				RB6#0	21.1	15.40	38.5	PASS
		3	LCH	RB1#0	21.3	15.46	38.5	PASS
				RB1#7	21.93	16.18	38.5	PASS
				RB1#14	21.5	15.64	38.5	PASS
				RB8#0	20.32	14.43	38.5	PASS
				RB8#4	20.66	14.81	38.5	PASS
				RB8#7	20.62	14.75	38.5	PASS
				RB15#0	20.49	14.56	38.5	PASS
			MCH	RB1#0	21.36	15.70	38.5	PASS
				RB1#7	21.65	15.89	38.5	PASS
				RB1#14	21.77	15.92	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.53	14.89	38.5	PASS
				RB8#4	20.57	14.88	38.5	PASS
				RB8#7	20.61	14.89	38.5	PASS
				RB15#0	20.48	14.69	38.5	PASS
			HCH	RB1#0	21.7	16.01	38.5	PASS
				RB1#7	21.95	16.07	38.5	PASS
				RB1#14	21.43	15.71	38.5	PASS
				RB8#0	20.8	15.00	38.5	PASS
				RB8#4	20.92	15.24	38.5	PASS
				RB8#7	20.77	14.87	38.5	PASS
				RB15#0	20.81	15.08	38.5	PASS
		5	LCH	RB1#0	21.42	15.50	38.5	PASS
				RB1#13	22.45	16.76	38.5	PASS
				RB1#24	22.07	16.43	38.5	PASS
				RB12#0	20.7	14.82	38.5	PASS
				RB12#6	20.97	15.11	38.5	PASS
				RB12#13	20.94	15.12	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.9	15.03	38.5	PASS
			MCH	RB1#0	21.82	16.13	38.5	PASS
				RB1#13	22.16	16.49	38.5	PASS
				RB1#24	21.64	15.82	38.5	PASS
				RB12#0	20.88	15.08	38.5	PASS
				RB12#6	20.97	15.16	38.5	PASS
				RB12#13	20.87	15.14	38.5	PASS
				RB25#0	20.91	15.24	38.5	PASS
			HCH	RB1#0	22.14	16.22	38.5	PASS
				RB1#13	22.63	16.87	38.5	PASS
				RB1#24	21.66	15.87	38.5	PASS
				RB12#0	21.19	15.35	38.5	PASS
				RB12#6	21.35	15.51	38.5	PASS
				RB12#13	21.04	15.29	38.5	PASS
				RB25#0	21.17	15.42	38.5	PASS
		10	LCH	RB1#0	21.66	15.83	38.5	PASS
				RB1#25	22.98	17.25	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.76	15.86	38.5	PASS
				RB25#0	21.08	15.20	38.5	PASS
				RB25#13	21.39	15.50	38.5	PASS
				RB25#25	21.24	15.44	38.5	PASS
				RB50#0	20.76	15.02	38.5	PASS
			MCH	RB1#0	22.22	16.46	38.5	PASS
				RB1#25	22.61	16.93	38.5	PASS
				RB1#49	21.58	15.76	38.5	PASS
				RB25#0	21.21	15.32	38.5	PASS
				RB25#13	21.31	15.41	38.5	PASS
				RB25#25	21.04	15.26	38.5	PASS
				RB50#0	21.08	15.35	38.5	PASS
			HCH	RB1#0	22.01	16.19	38.5	PASS
				RB1#25	23.24	17.51	38.5	PASS
				RB1#49	21.56	15.66	38.5	PASS
				RB25#0	21.29	15.63	38.5	PASS
				RB25#13	21.61	15.75	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.36	15.67	38.5	PASS
				RB50#0	21.17	15.38	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,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + 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
BAND5	LTE/TM1	1.4	LCH	RB1#0	4.81	13	PASS
				RB1#3	4.65	13	PASS
				RB1#5	5.01	13	PASS
				RB3#0	5.52	13	PASS
				RB3#2	5.39	13	PASS
				RB3#3	5.46	13	PASS
				RB6#0	6.06	13	PASS
			MCH	RB1#0	4.76	13	PASS
				RB1#3	4.7	13	PASS
				RB1#5	4.82	13	PASS
				RB3#0	5.36	13	PASS
				RB3#2	5.35	13	PASS
				RB3#3	5.4	13	PASS
				RB6#0	5.87	13	PASS
			HCH	RB1#0	4.15	13	PASS
				RB1#3	3.99	13	PASS
				RB1#5	4.17	13	PASS
				RB3#0	4.55	13	PASS
				RB3#2	4.46	13	PASS
				RB3#3	4.54	13	PASS
				RB6#0	5.54	13	PASS
		3	LCH	RB1#0	4.74	13	PASS
				RB1#7	4.93	13	PASS
				RB1#14	4.92	13	PASS
				RB8#0	6.2	13	PASS
				RB8#4	5.93	13	PASS
				RB8#7	6.01	13	PASS
				RB15#0	5.95	13	PASS
			MCH	RB1#0	5.07	13	PASS
				RB1#7	4.55	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	4.68	13	PASS
				RB8#0	5.78	13	PASS
				RB8#4	5.75	13	PASS
				RB8#7	5.94	13	PASS
				RB15#0	6.03	13	PASS
			HCH	RB1#0	4.35	13	PASS
				RB1#7	4.14	13	PASS
				RB1#14	4.47	13	PASS
				RB8#0	5.37	13	PASS
				RB8#4	5.15	13	PASS
				RB8#7	5.29	13	PASS
				RB15#0	5.5	13	PASS
		5	LCH	RB1#0	5.14	13	PASS
				RB1#13	4.58	13	PASS
				RB1#24	4.65	13	PASS
				RB12#0	5.87	13	PASS
				RB12#6	5.72	13	PASS
				RB12#13	5.72	13	PASS
				RB25#0	6.19	13	PASS
			MCH	RB1#0	4.96	13	PASS
				RB1#13	4.82	13	PASS
				RB1#24	5.1	13	PASS
				RB12#0	5.79	13	PASS
				RB12#6	5.8	13	PASS
				RB12#13	5.8	13	PASS
				RB25#0	5.87	13	PASS
			HCH	RB1#0	4.37	13	PASS
				RB1#13	3.85	13	PASS
				RB1#24	4.51	13	PASS
				RB12#0	5.04	13	PASS
				RB12#6	4.81	13	PASS
				RB12#13	5.03	13	PASS
				RB25#0	5.42	13	PASS
		10	LCH	RB1#0	5.15	13	PASS
				RB1#25	4.14	13	PASS
				RB1#49	5.06	13	PASS
				RB25#0	6.05	13	PASS
				RB25#13	5.57	13	PASS
				RB25#25	5.81	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.88	13	PASS
			MCH	RB1#0	4.55	13	PASS
				RB1#25	4.51	13	PASS
				RB1#49	4.99	13	PASS
				RB25#0	5.93	13	PASS
				RB25#13	5.8	13	PASS
				RB25#25	6.08	13	PASS
				RB50#0	6.16	13	PASS
			HCH	RB1#0	4.78	13	PASS
				RB1#25	3.55	13	PASS
				RB1#49	4.35	13	PASS
				RB25#0	5.82	13	PASS
				RB25#13	5.19	13	PASS
				RB25#25	5.24	13	PASS
				RB50#0	5.87	13	PASS
			LCH	RB1#0	5.46	13	PASS
				RB1#3	5.3	13	PASS
				RB1#5	5.35	13	PASS
				RB3#0	6.62	13	PASS
				RB3#2	6.67	13	PASS
				RB3#3	6.68	13	PASS
				RB6#0	6.02	13	PASS
			MCH	RB1#0	5.74	13	PASS
				RB1#3	5.72	13	PASS
				RB1#5	5.8	13	PASS
	LTE/TM2	1.4		RB3#0	6.53	13	PASS
				RB3#2	6.58	13	PASS
				RB3#3	6.66	13	PASS
				RB6#0	6.29	13	PASS
			HCH	RB1#0	4.9	13	PASS
				RB1#3	4.98	13	PASS
				RB1#5	4.98	13	PASS
				RB3#0	5.37	13	PASS
				RB3#2	5.31	13	PASS
				RB3#3	5.29	13	PASS
				RB6#0	5.93	13	PASS
		3	LCH	RB1#0	5.59	13	PASS
				RB1#7	5.23	13	PASS
				RB1#14	5.38	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	6.17	13	PASS
				RB8#4	6.14	13	PASS
				RB8#7	6.33	13	PASS
				RB15#0	6.29	13	PASS
			MCH	RB1#0	5.8	13	PASS
				RB1#7	5.63	13	PASS
				RB1#14	5.82	13	PASS
				RB8#0	6.09	13	PASS
				RB8#4	6.2	13	PASS
				RB8#7	6.28	13	PASS
				RB15#0	6.5	13	PASS
			HCH	RB1#0	4.84	13	PASS
				RB1#7	4.86	13	PASS
				RB1#14	5.16	13	PASS
				RB8#0	5.16	13	PASS
				RB8#4	5.15	13	PASS
				RB8#7	5.18	13	PASS
				RB15#0	5.88	13	PASS
			LCH	RB1#0	6.33	13	PASS
				RB1#13	5.52	13	PASS
				RB1#24	5.58	13	PASS
				RB12#0	6.14	13	PASS
				RB12#6	5.84	13	PASS
				RB12#13	5.87	13	PASS
				RB25#0	6.39	13	PASS
			MCH	RB1#0	6.04	13	PASS
				RB1#13	5.7	13	PASS
				RB1#24	6.05	13	PASS
		5		RB12#0	6	13	PASS
				RB12#6	5.87	13	PASS
				RB12#13	6.14	13	PASS
				RB25#0	6.48	13	PASS
			HCH	RB1#0	5.38	13	PASS
				RB1#13	4.55	13	PASS
				RB1#24	5.17	13	PASS
				RB12#0	5.13	13	PASS
				RB12#6	4.7	13	PASS
				RB12#13	5.07	13	PASS
				RB25#0	5.61	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB1#0	5.52	13	PASS
				RB1#25	4.63	13	PASS
				RB1#49	5.42	13	PASS
				RB25#0	6.1	13	PASS
				RB25#13	5.45	13	PASS
				RB25#25	5.73	13	PASS
				RB50#0	6.31	13	PASS
			MCH	RB1#0	5.08	13	PASS
				RB1#25	5.09	13	PASS
				RB1#49	5.47	13	PASS
				RB25#0	5.93	13	PASS
				RB25#13	5.89	13	PASS
				RB25#25	6.32	13	PASS
				RB50#0	6.51	13	PASS
			HCH	RB1#0	5.47	13	PASS
				RB1#25	4.17	13	PASS
				RB1#49	5.12	13	PASS
				RB25#0	5.85	13	PASS
				RB25#13	5	13	PASS
				RB25#25	5.04	13	PASS
				RB50#0	6.08	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
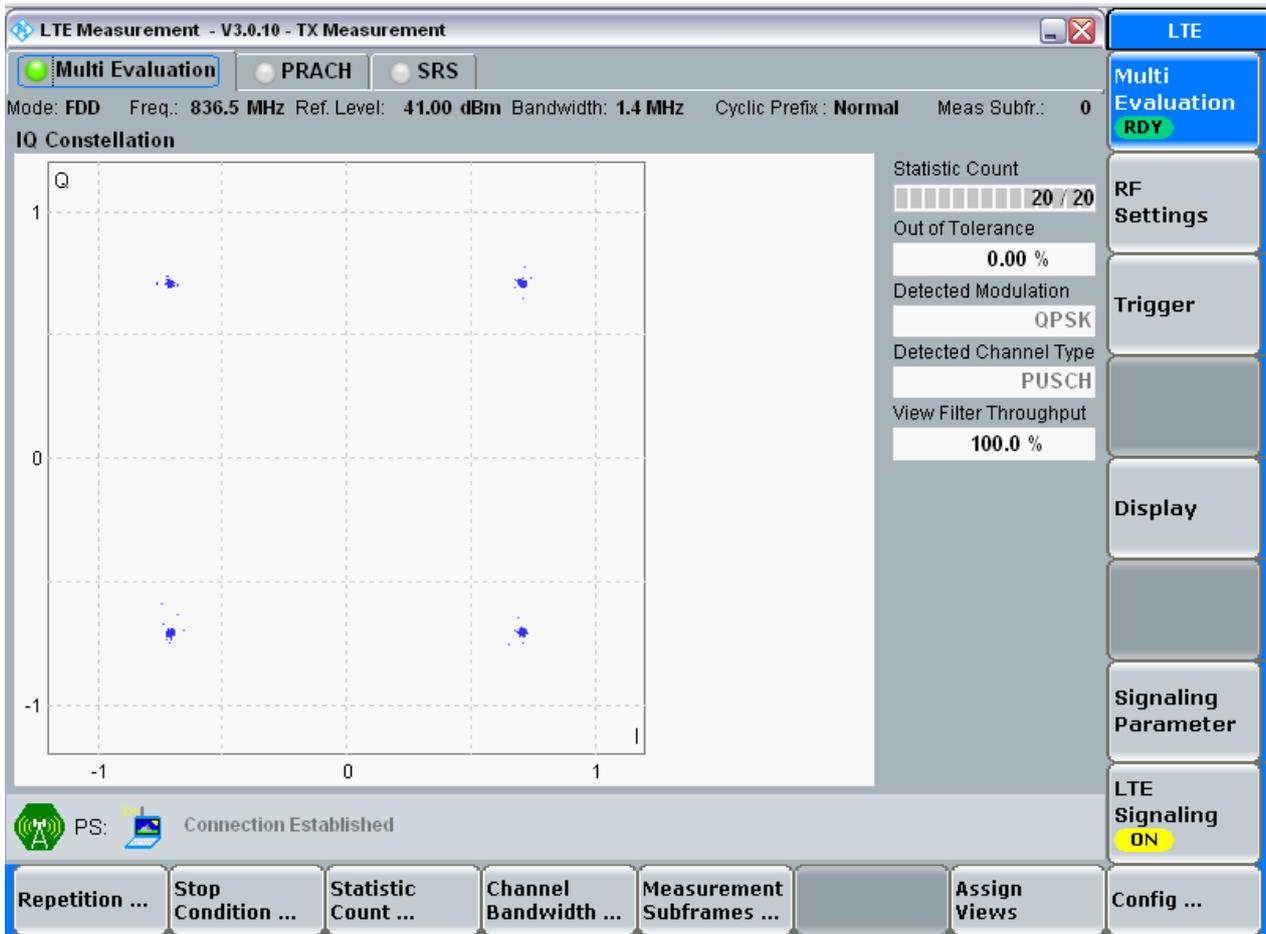
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB15#0
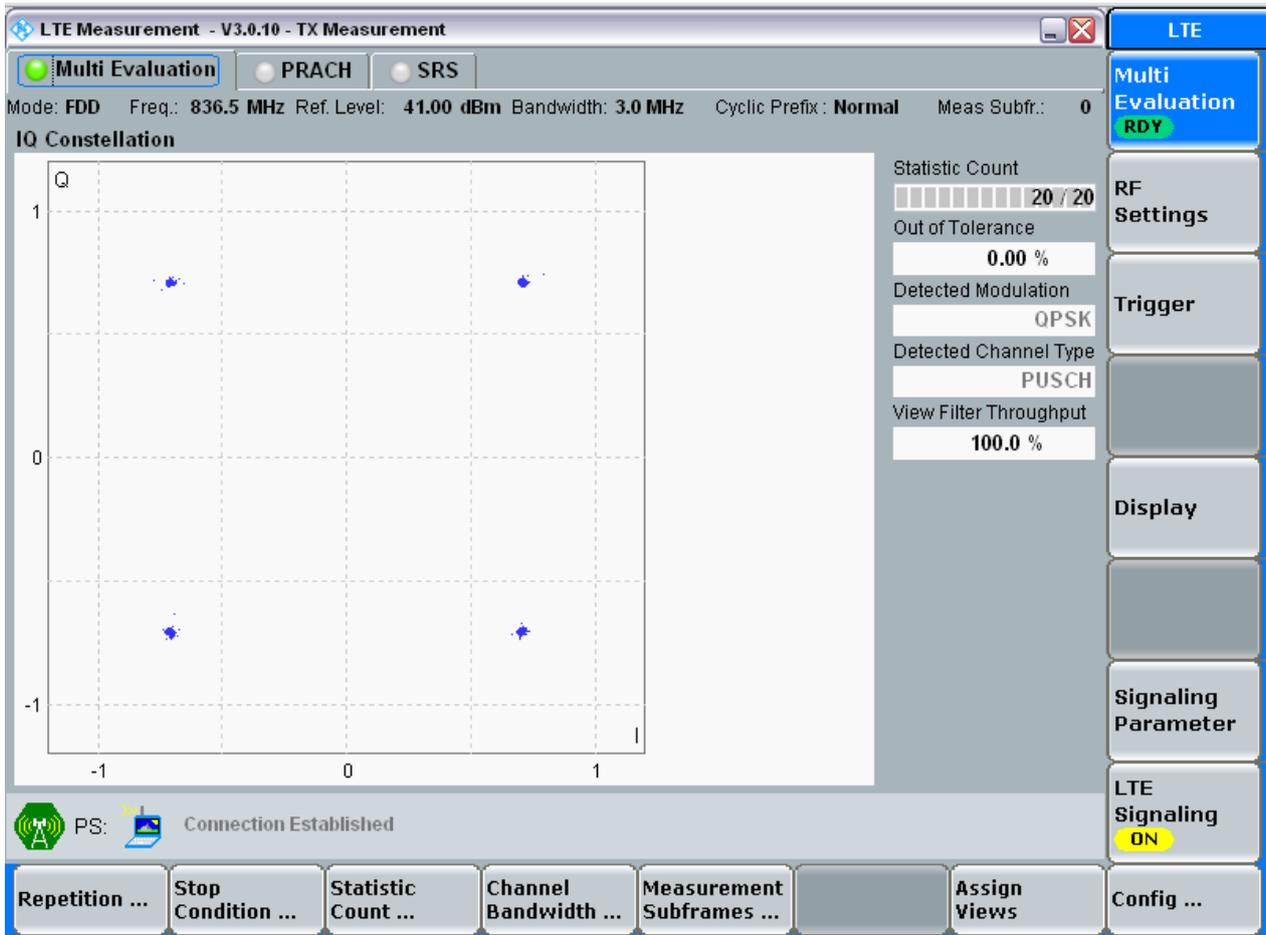
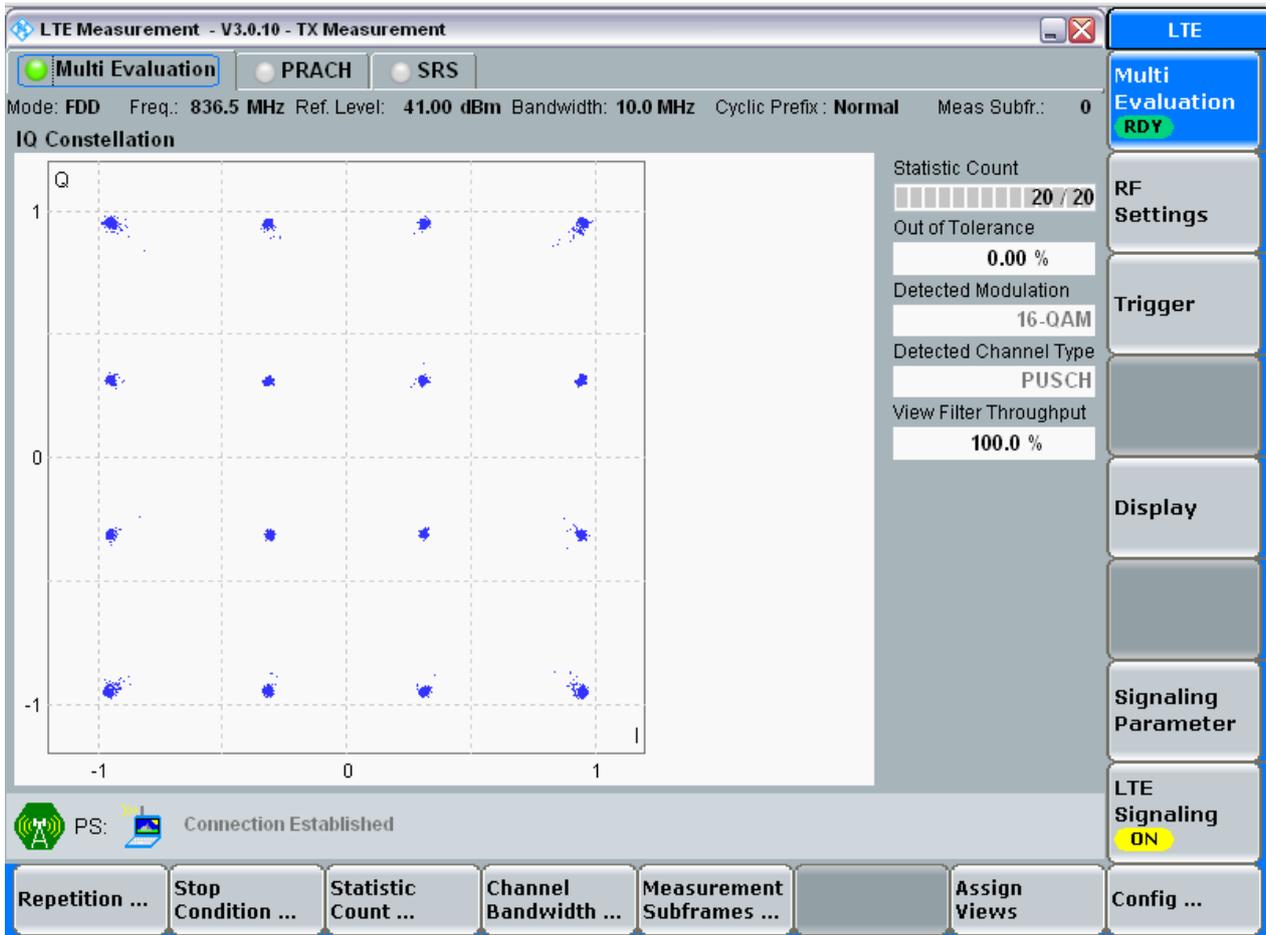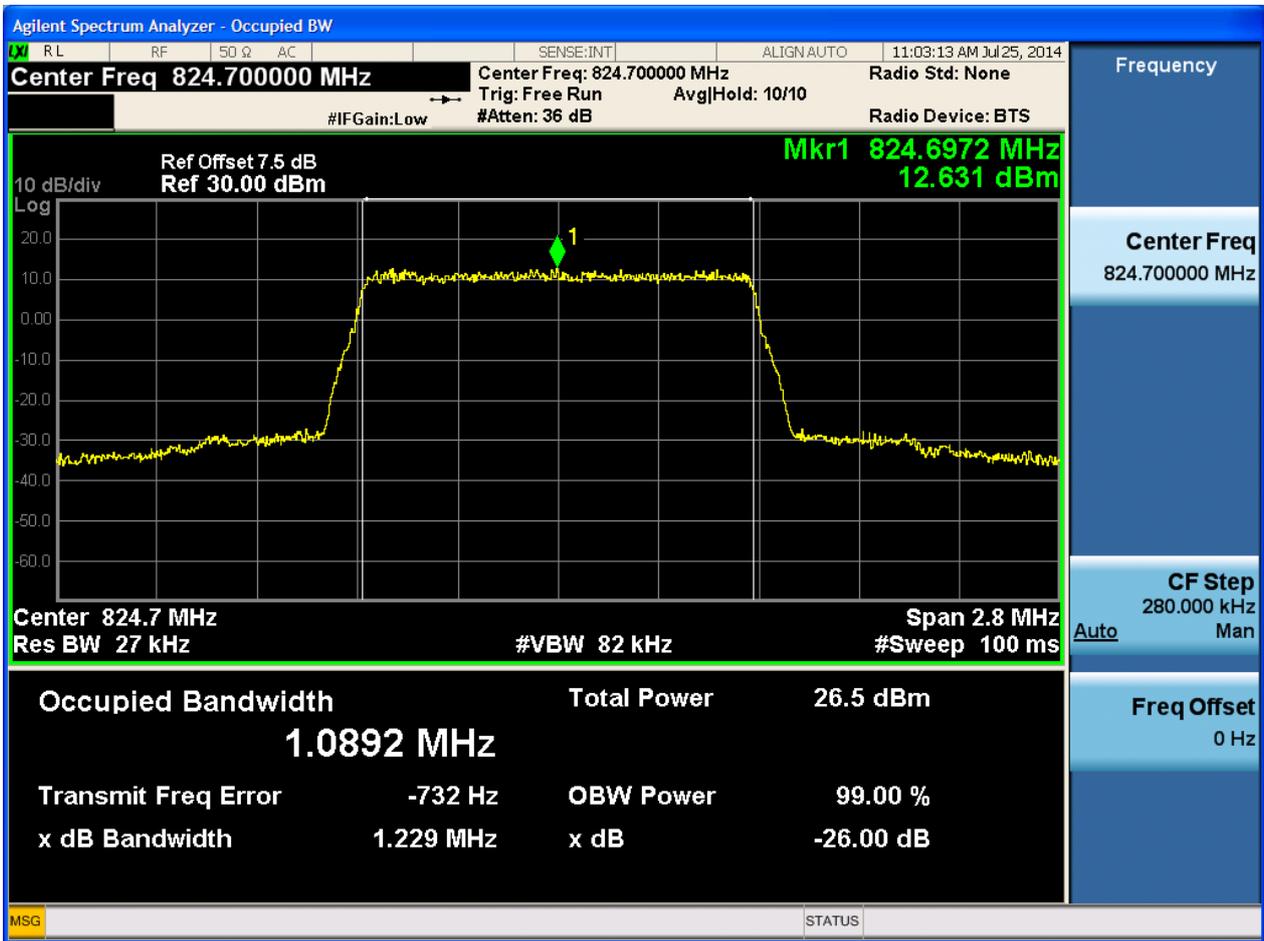### 3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

3.1.1.1.3.1.1 Test RB = RB25#0
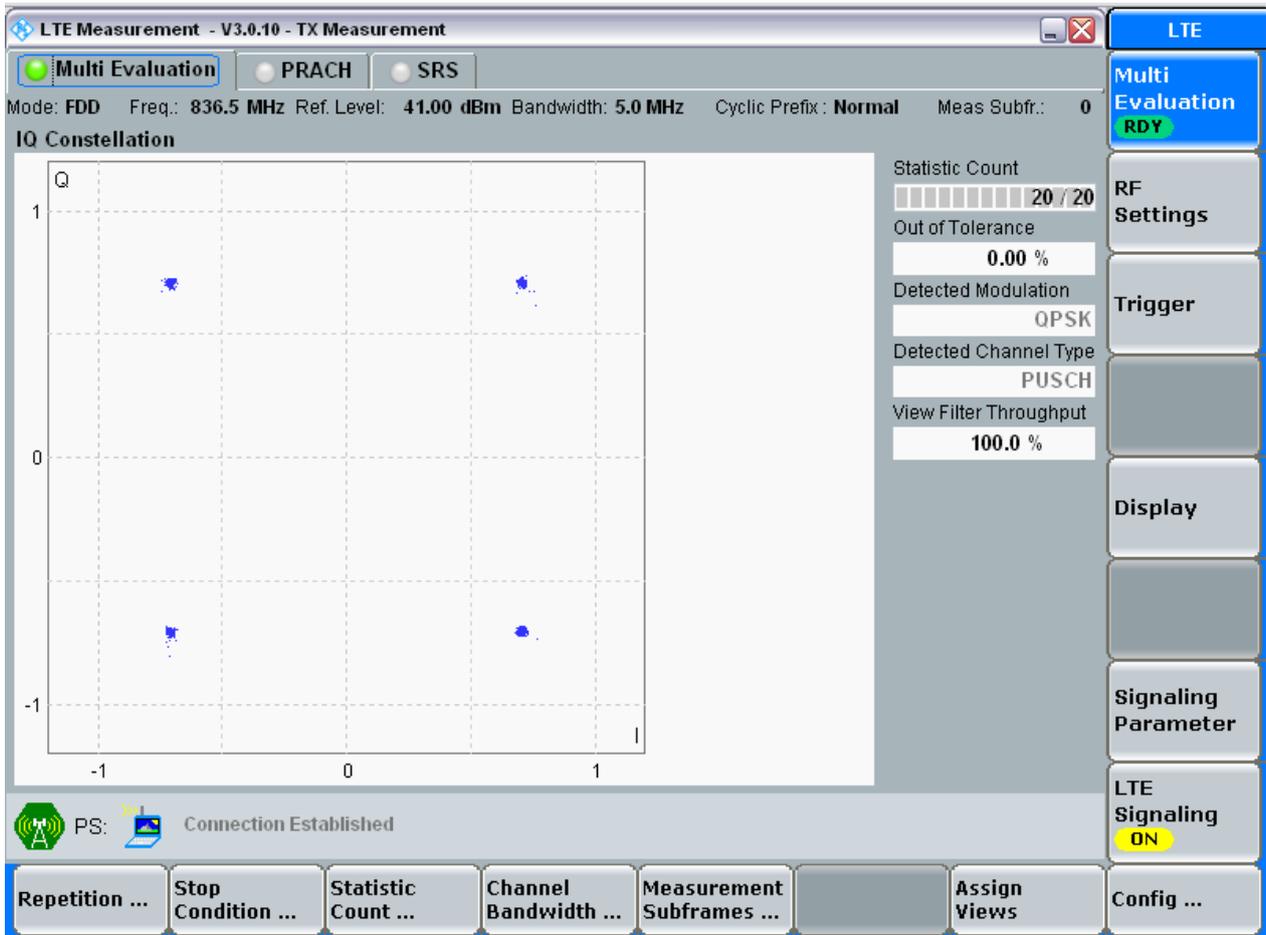
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0
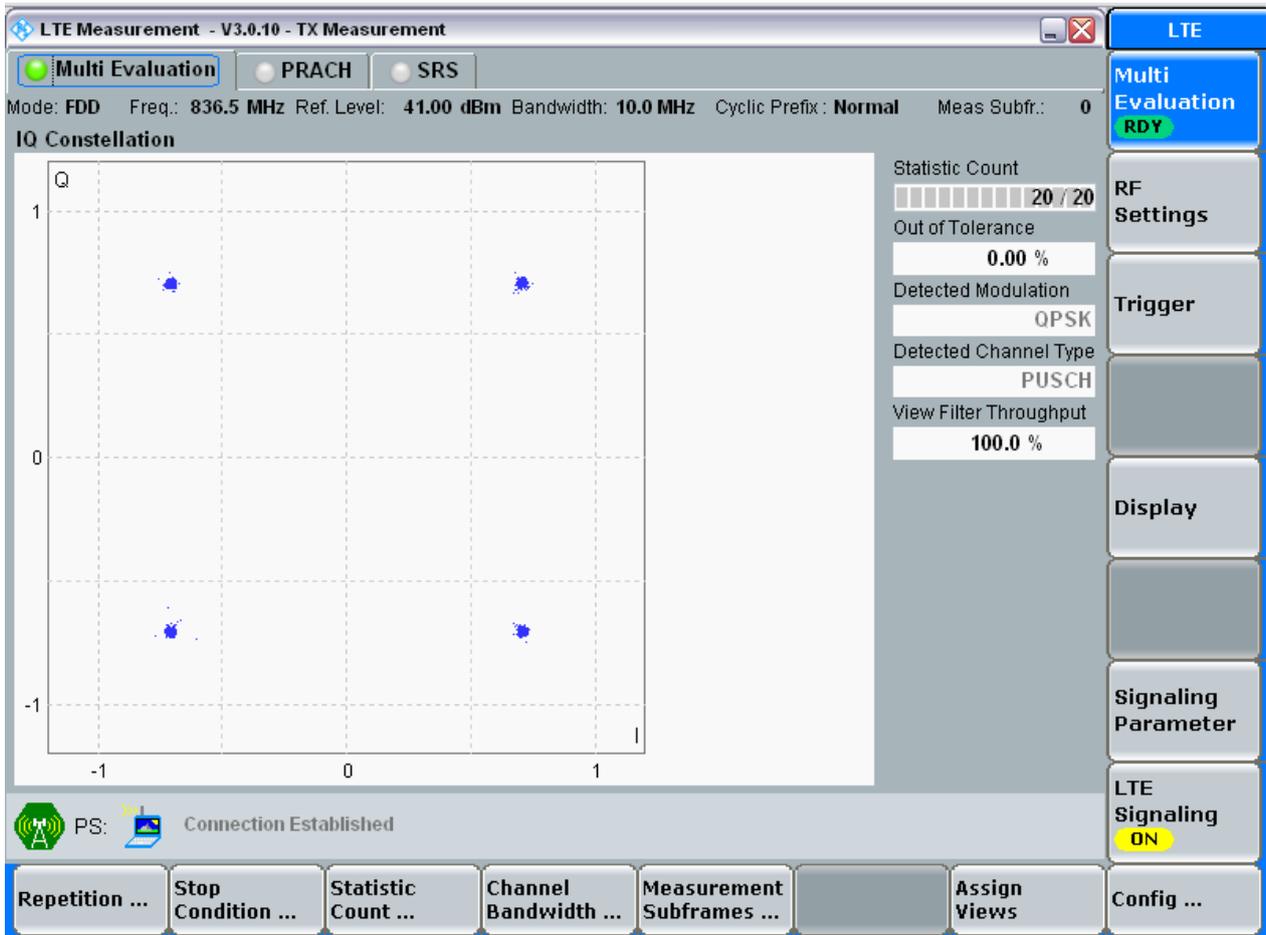
3.1.1.2 Test Mode = LTE/TM2

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
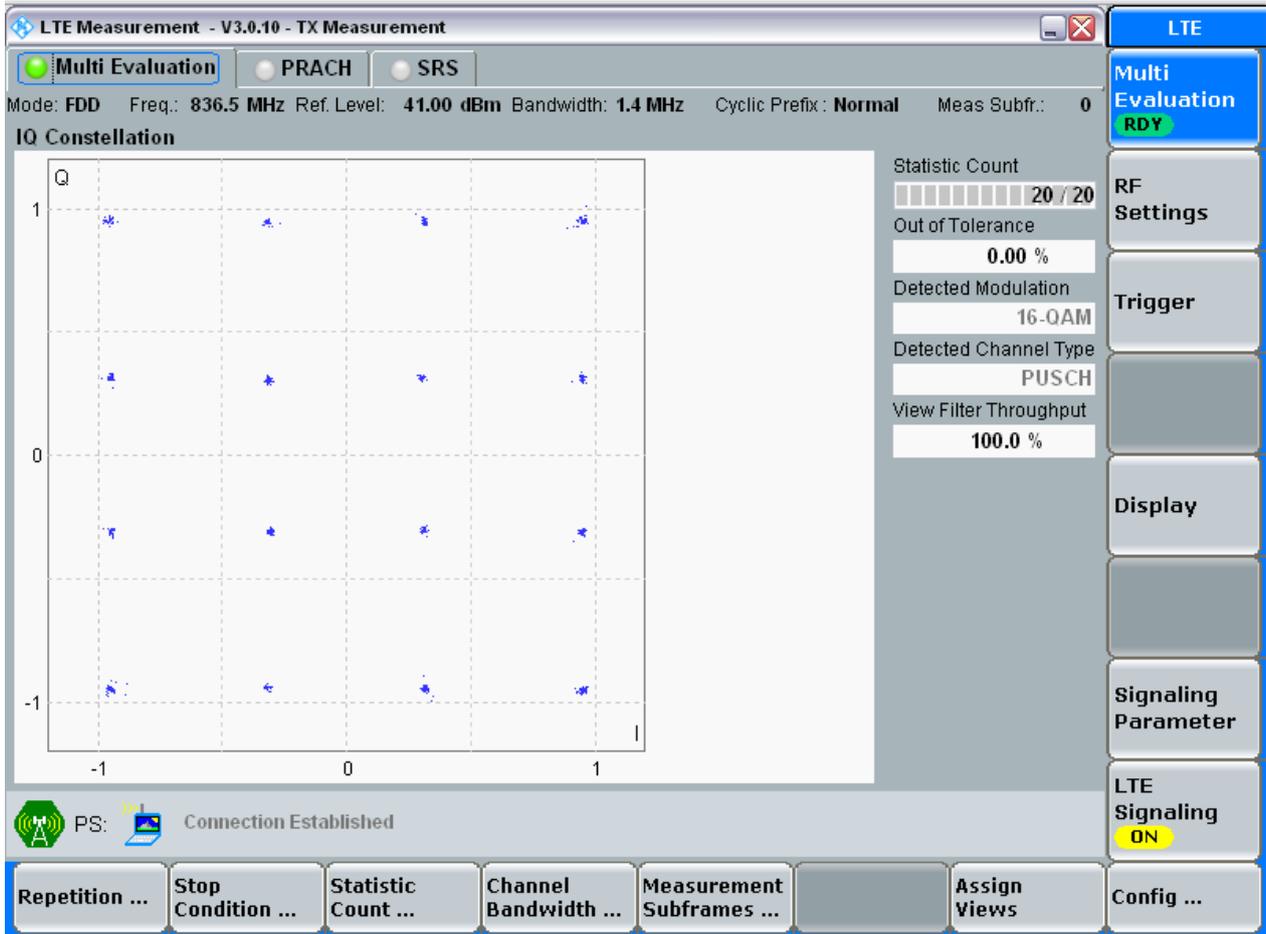
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB15#0
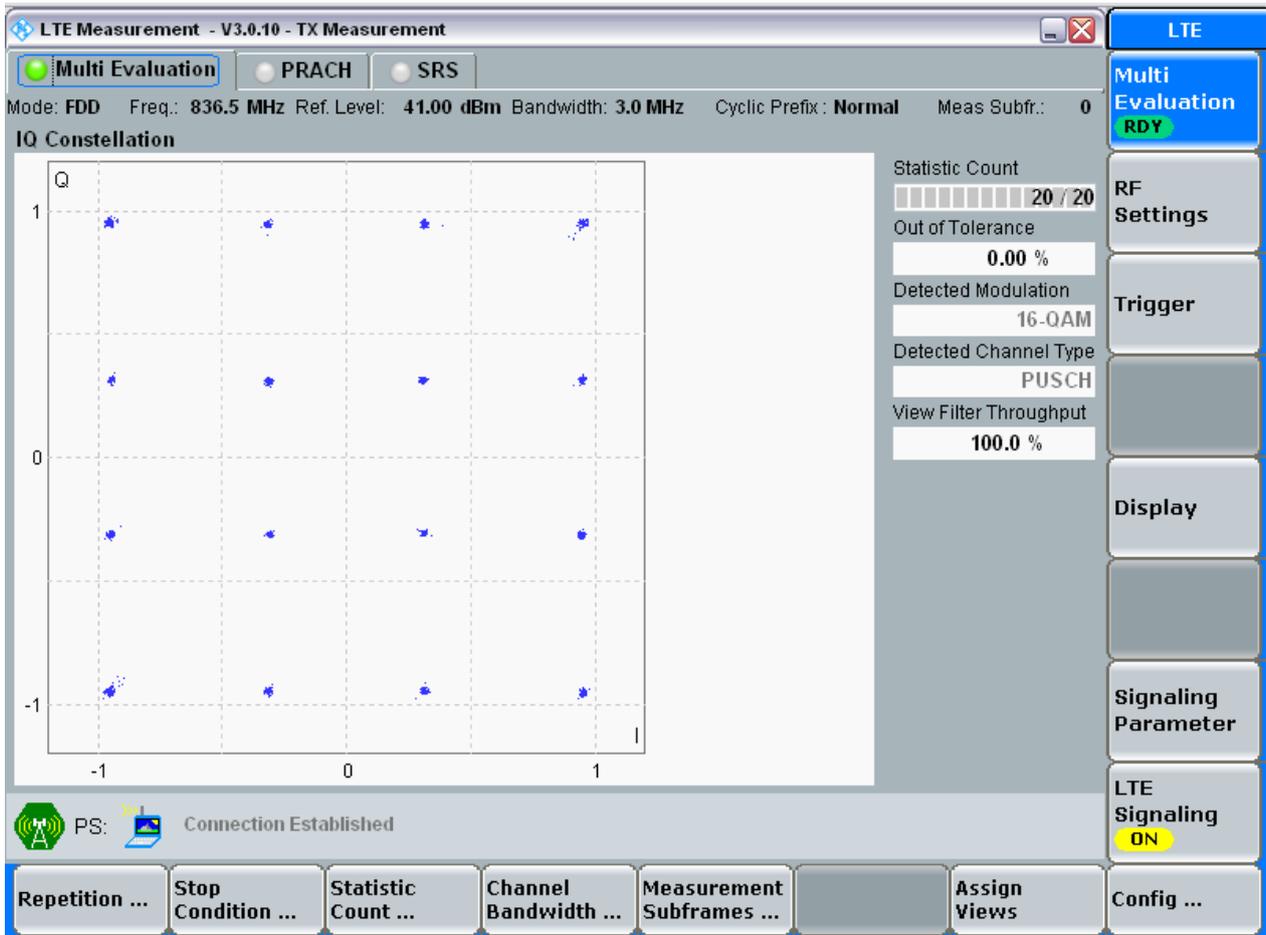
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

3.1.1.2.3.1.1 Test RB = RB25#0
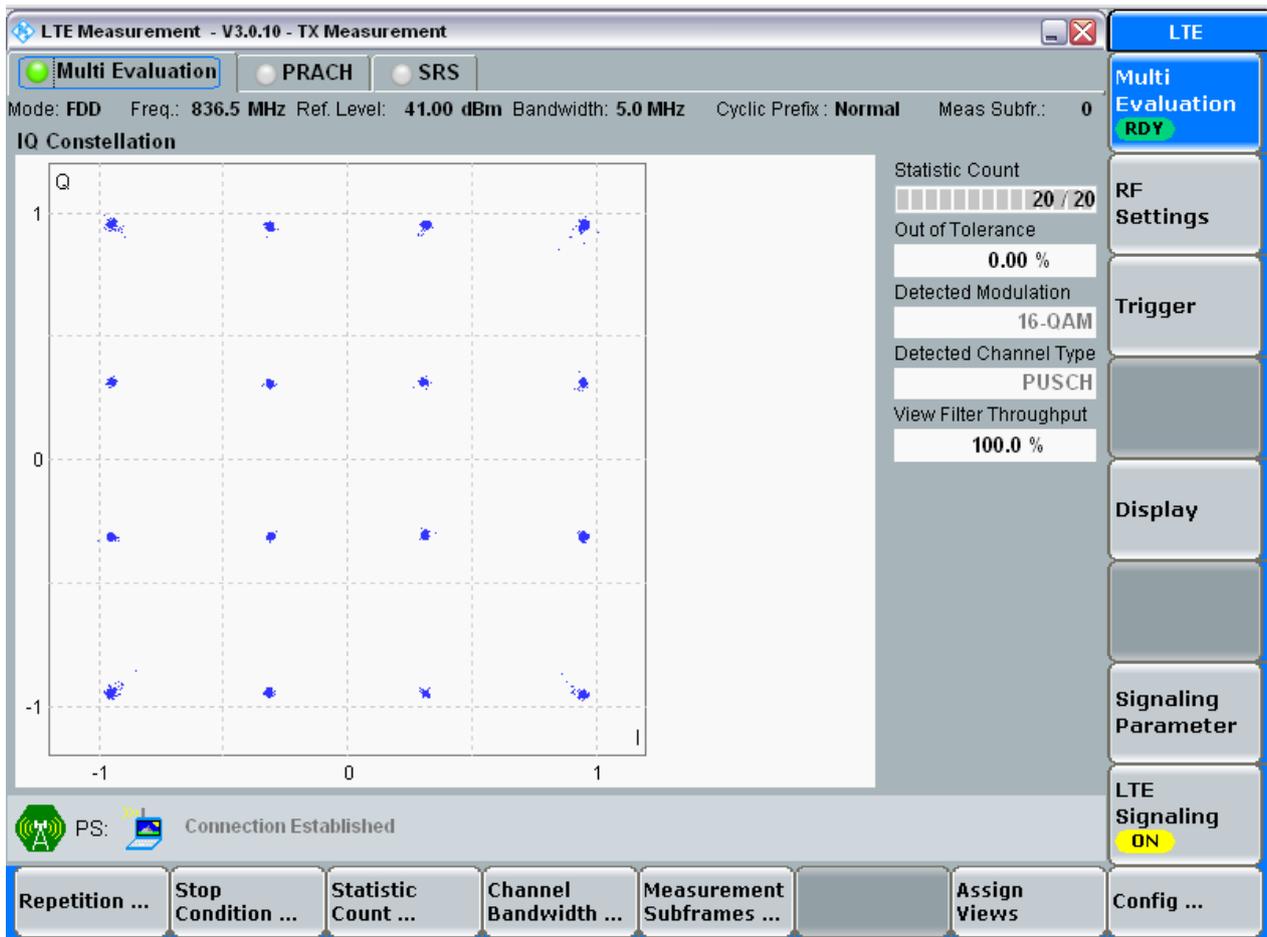
3.1.1.2.4 Test Bandwidth = 10

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	1.23	Pass
			MCH	RB6#0	1.09	1.22	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.70	2.92	Pass
			MCH	RB15#0	2.71	2.94	Pass
			HCH	RB15#0	2.71	2.92	Pass
		5	LCH	RB25#0	4.49	4.87	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.49	4.84	Pass
		10	LCH	RB50#0	8.97	9.59	Pass
			MCH	RB50#0	9.00	9.67	Pass
			HCH	RB50#0	8.98	9.60	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	1.20	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.71	2.93	Pass
		5	LCH	RB25#0	4.49	4.88	Pass
			MCH	RB25#0	4.50	4.86	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.98	9.63	Pass
			MCH	RB50#0	9.00	9.66	Pass
			HCH	RB50#0	8.94	9.25	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
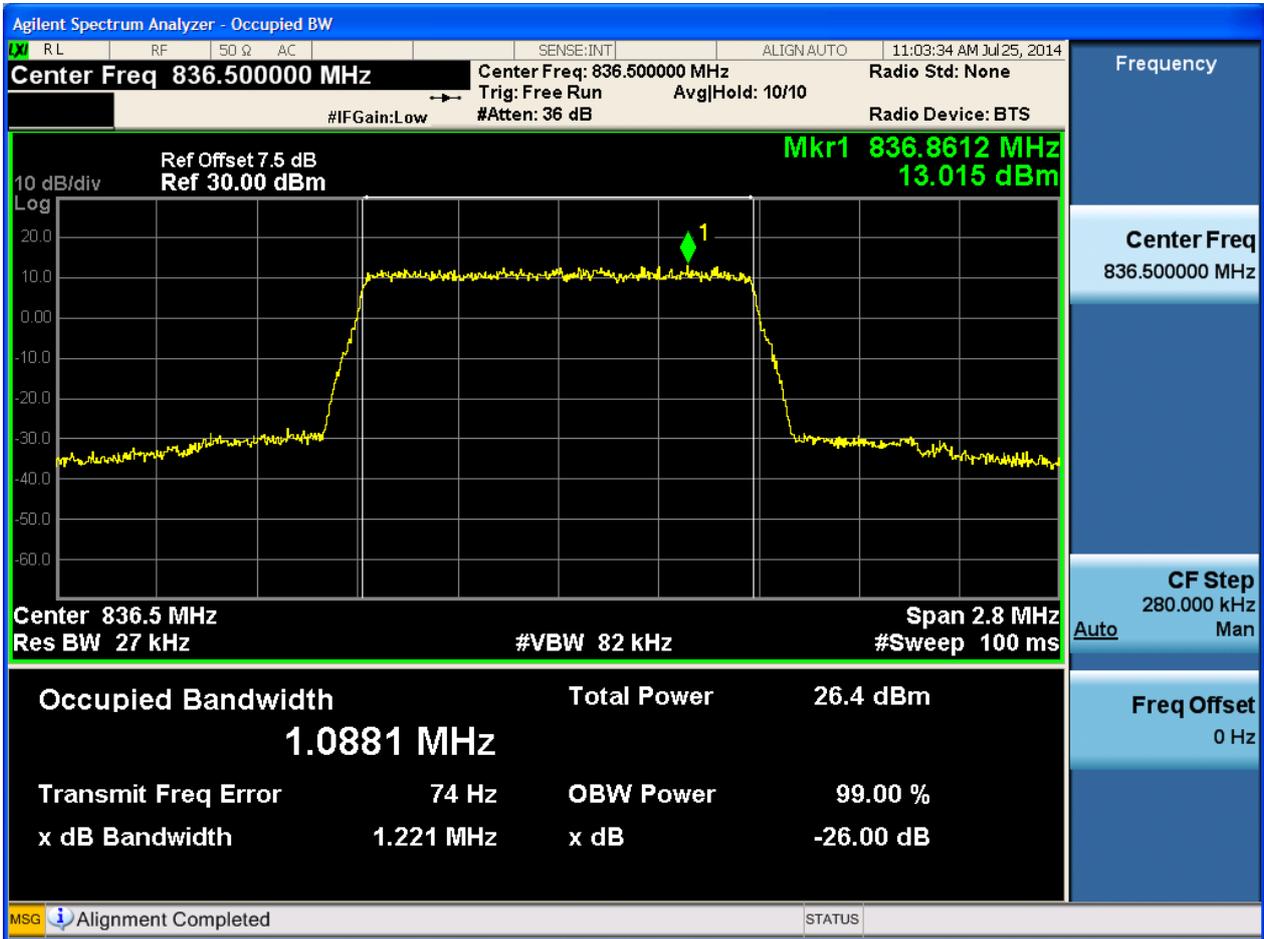
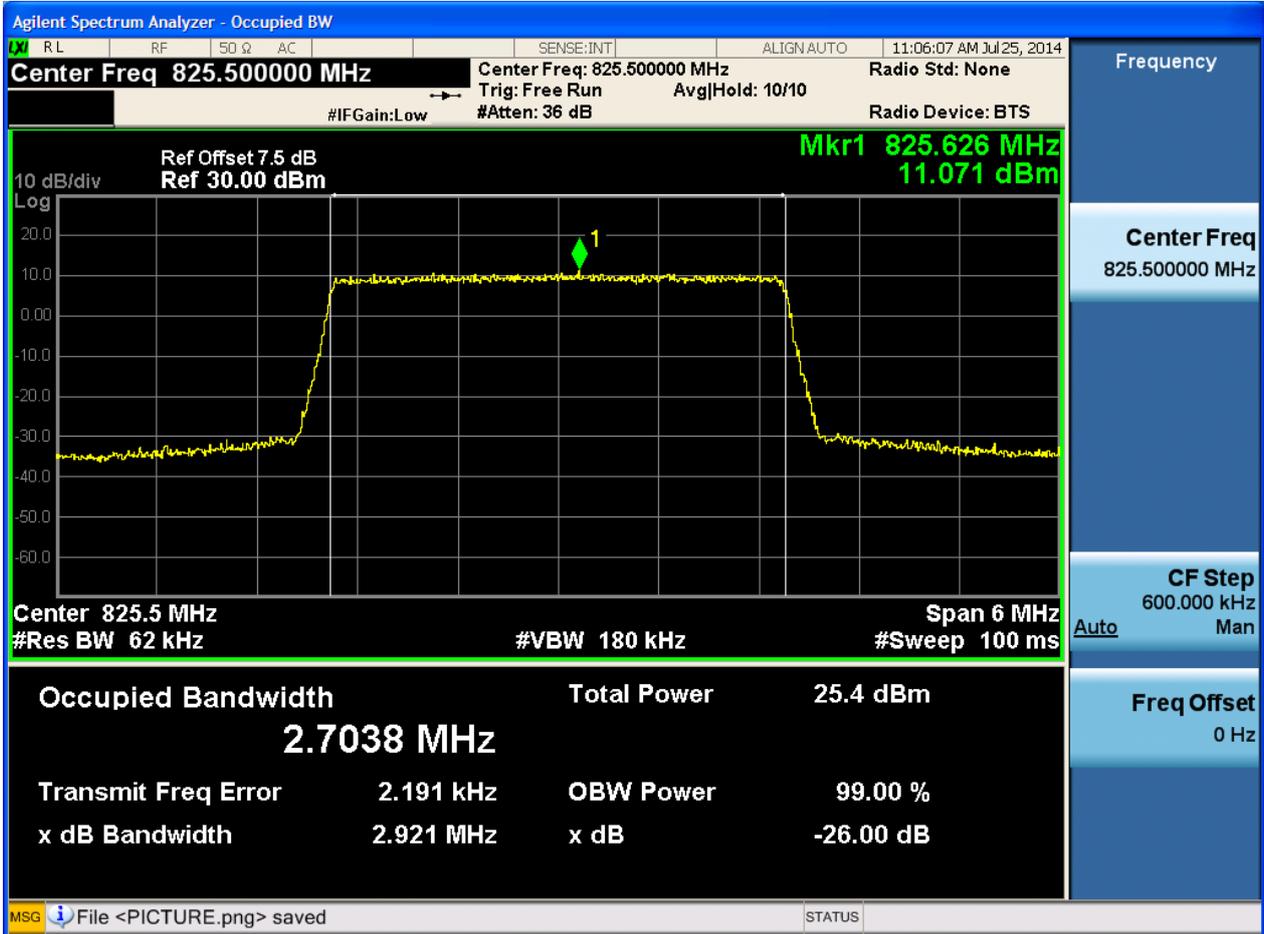## 4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

Agilent Spectrum Analyzer - Occupied BW		
Center Freq 848.300000 MHz	Center Freq: 848.300000 MHz Trig: Free Run Avg|Hold: 10/10	Radio Std: None
#IFGain:Low		Radio Device: BTS

Mkr1 848.2328 MHz
12.866 dBm

Ref Offset 7.5 dB
10 dB/div Ref 30.00 dBm
Log

Center 848.3 MHz
Res BW 27 kHz   #VBW 82 kHz   Span 2.8 MHz   #Sweep 100 ms

Occupied Bandwidth	Total Power	26.6 dBm
1.0882 MHz		
Transmit Freq Error -442 Hz	OBW Power	99.00 %
x dB Bandwidth 1.224 MHz	x dB	-26.00 dB

Frequency

Center Freq
848.300000 MHz

CF Step
280.000 kHz
Auto   Man

Freq Offset
0 Hz

MSG File <PICTURE.png> saved   STATUS

4.1.1.1.2 Test Bandwidth = 3

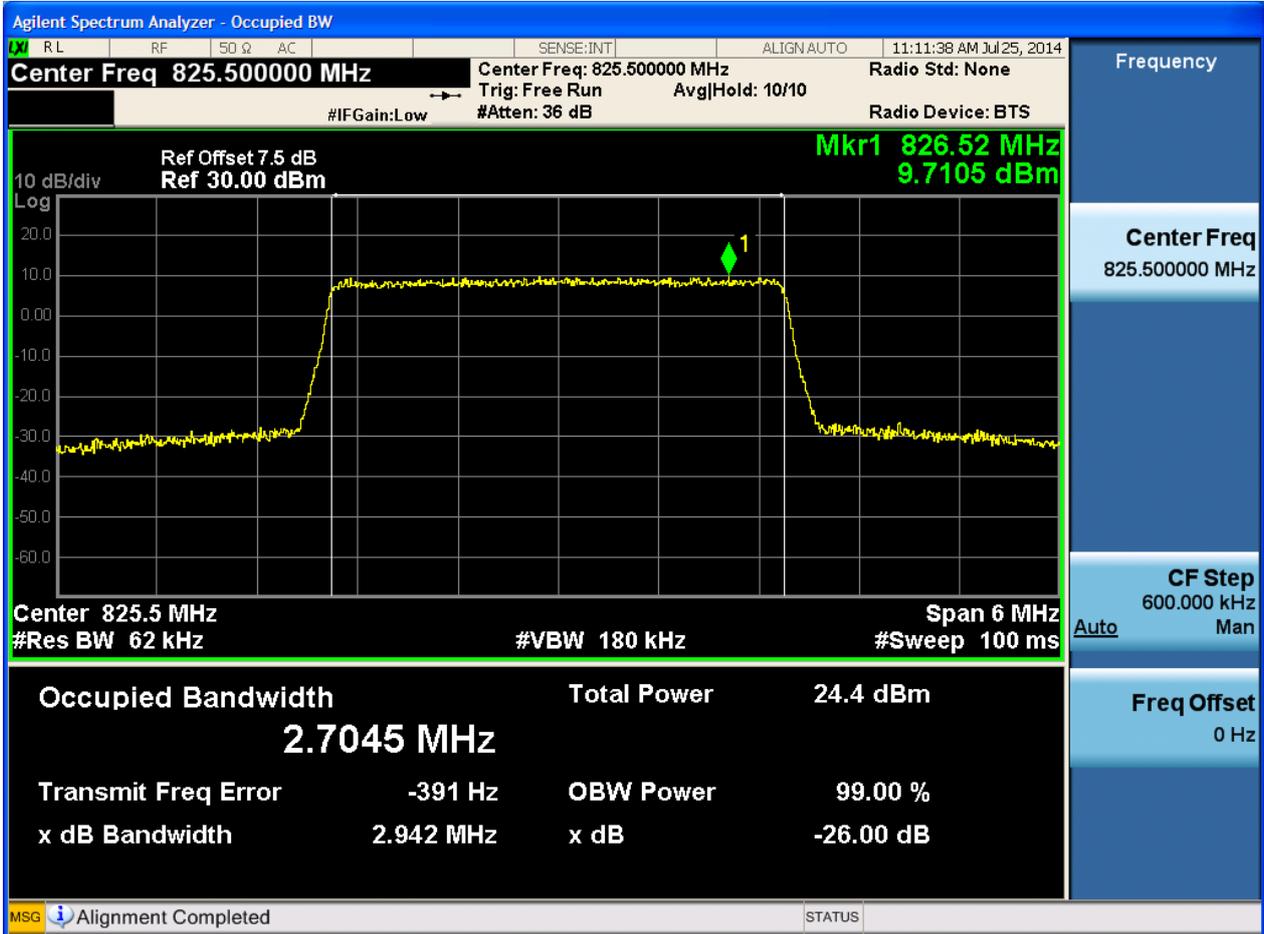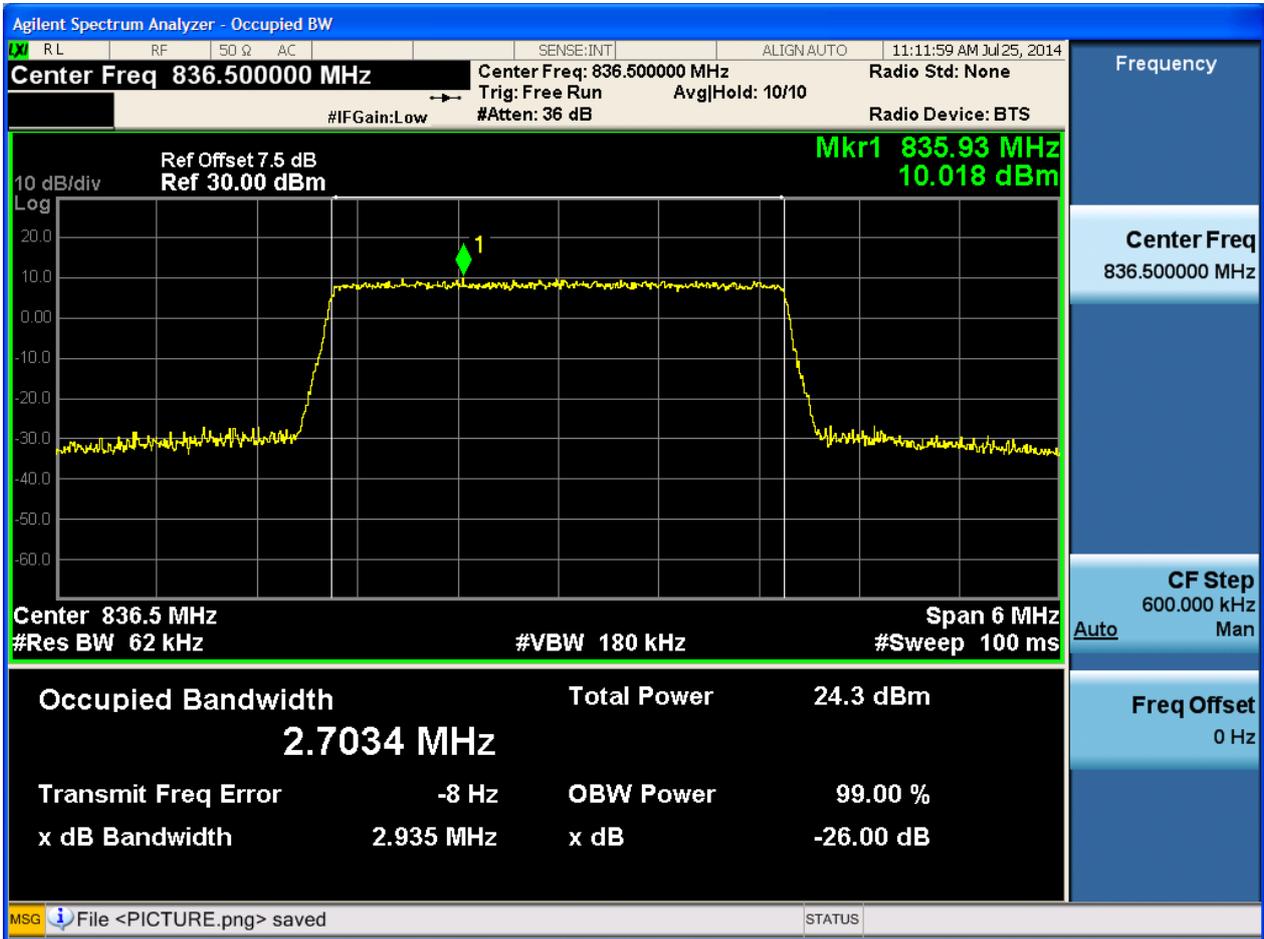## 4.1.1.1.2.1 Test Channel = LCH

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
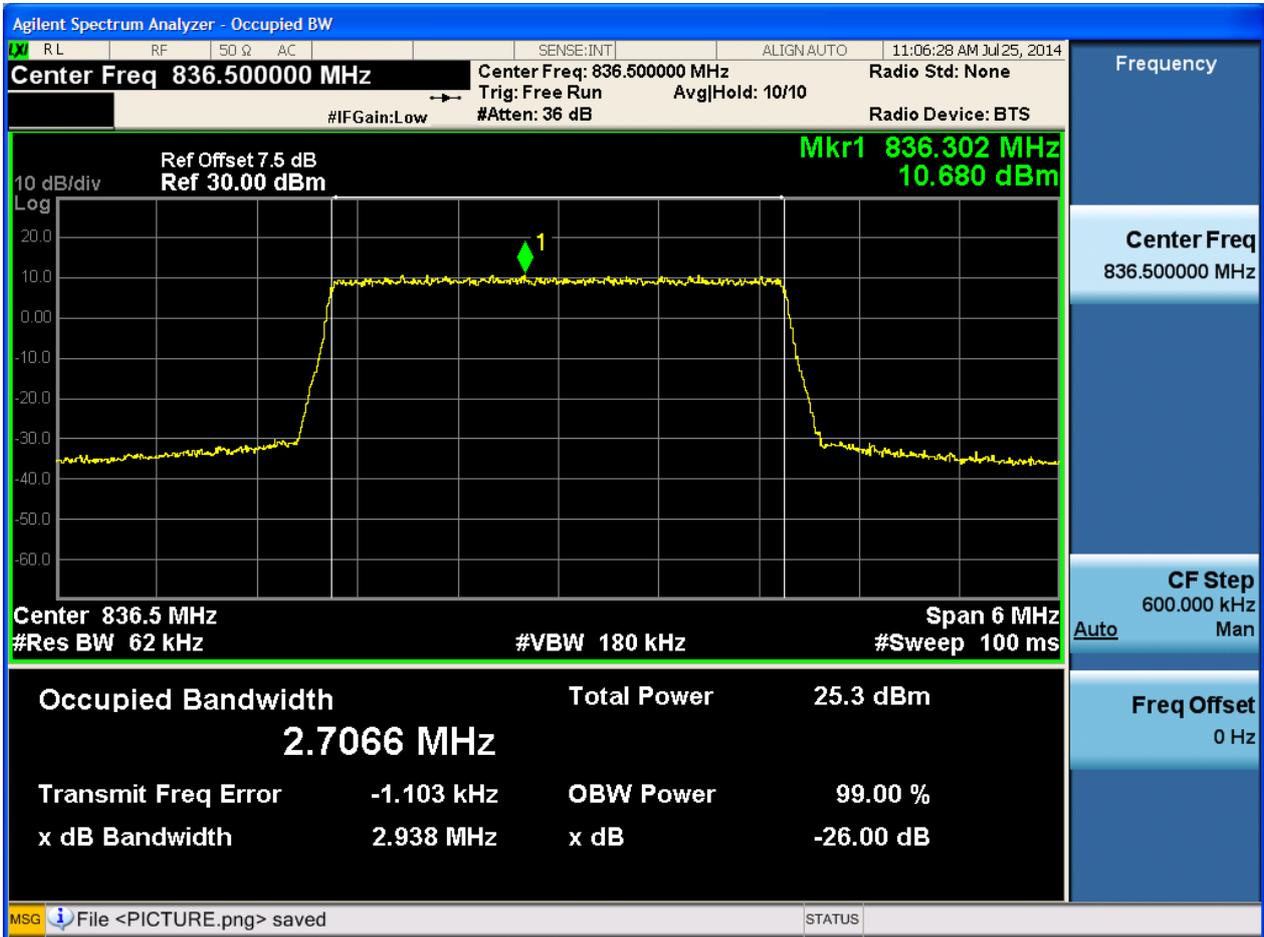
4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

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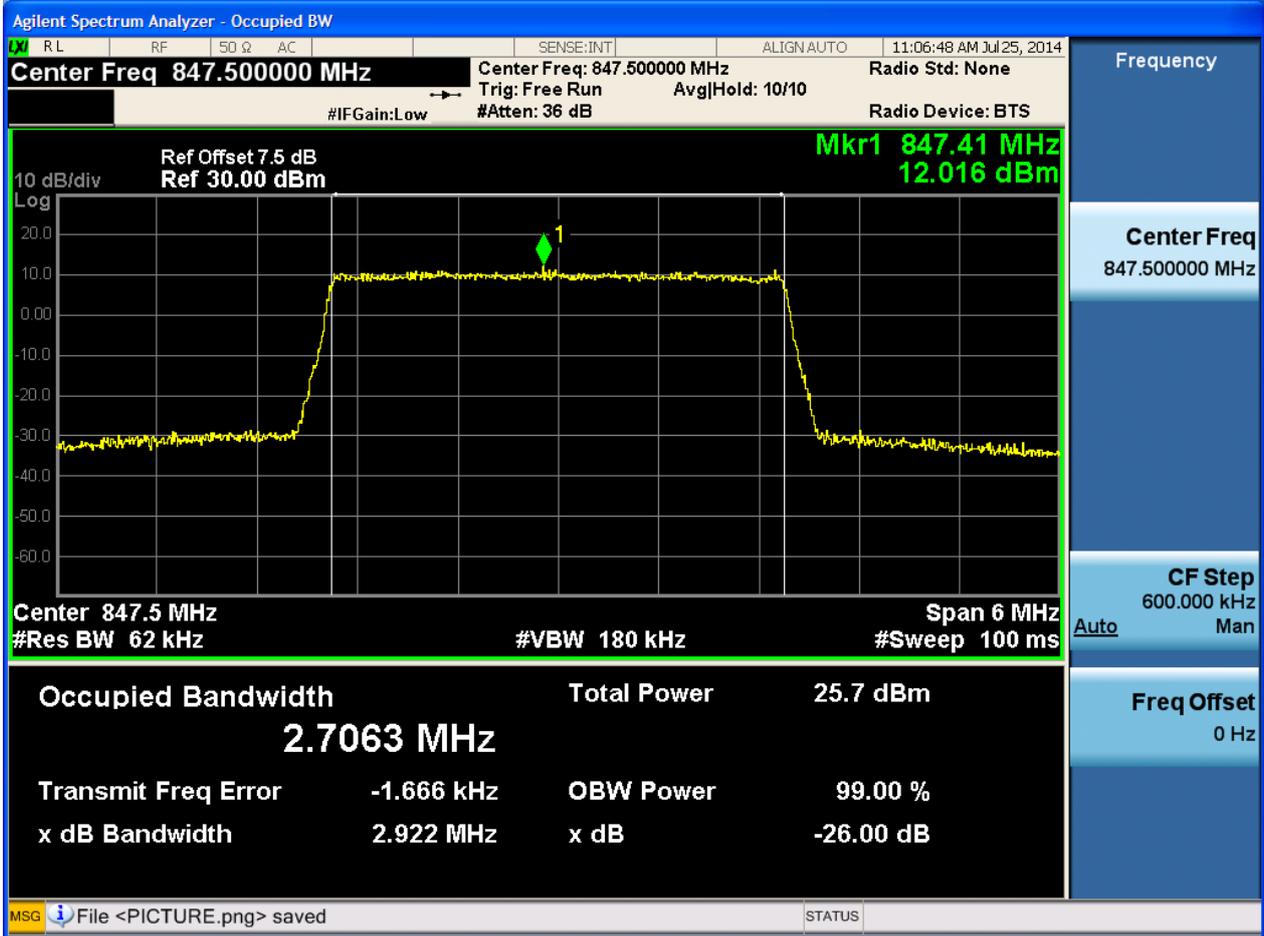
4.1.1.1.3 Test Bandwidth = 5

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
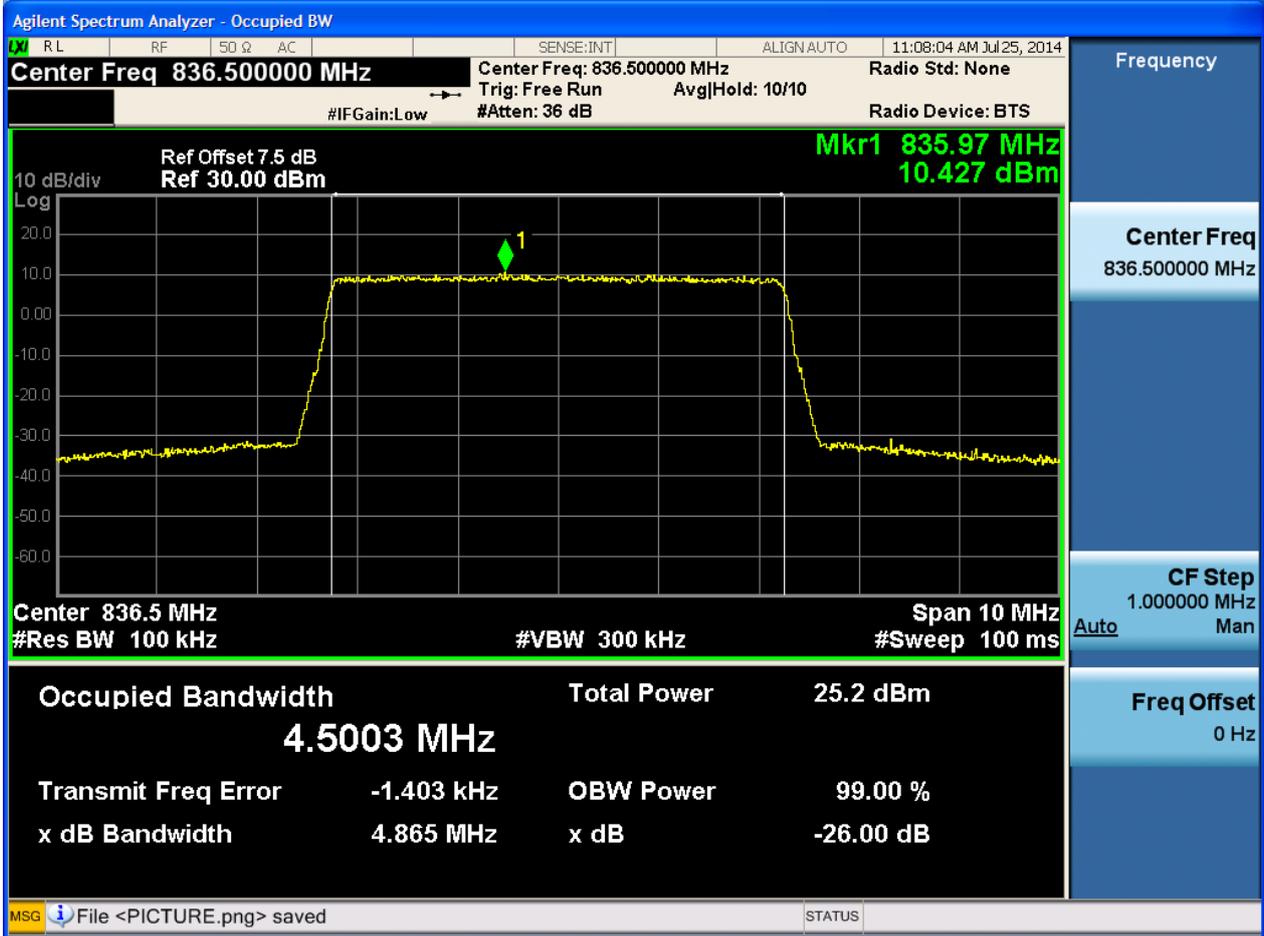
4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0
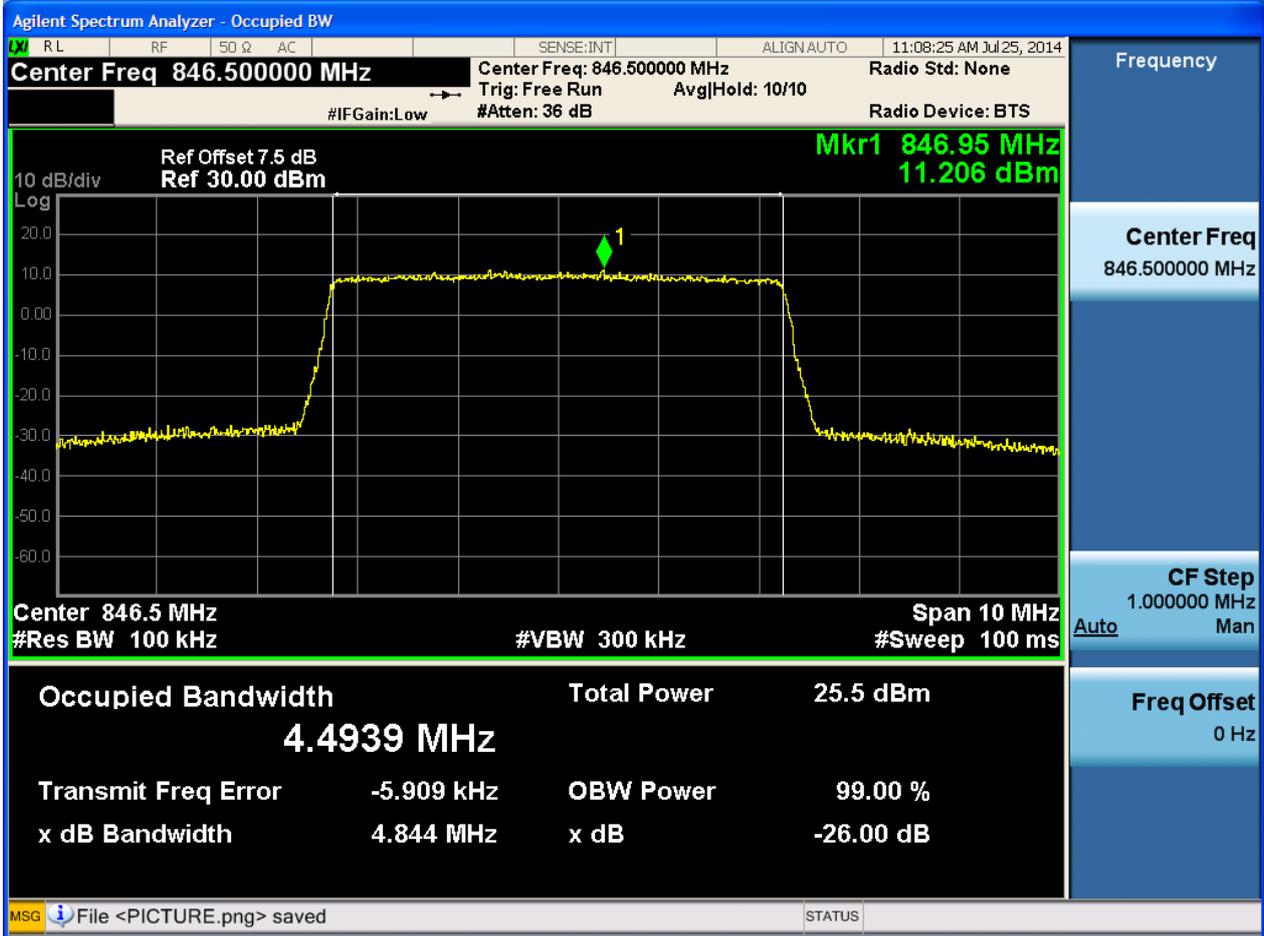
4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0
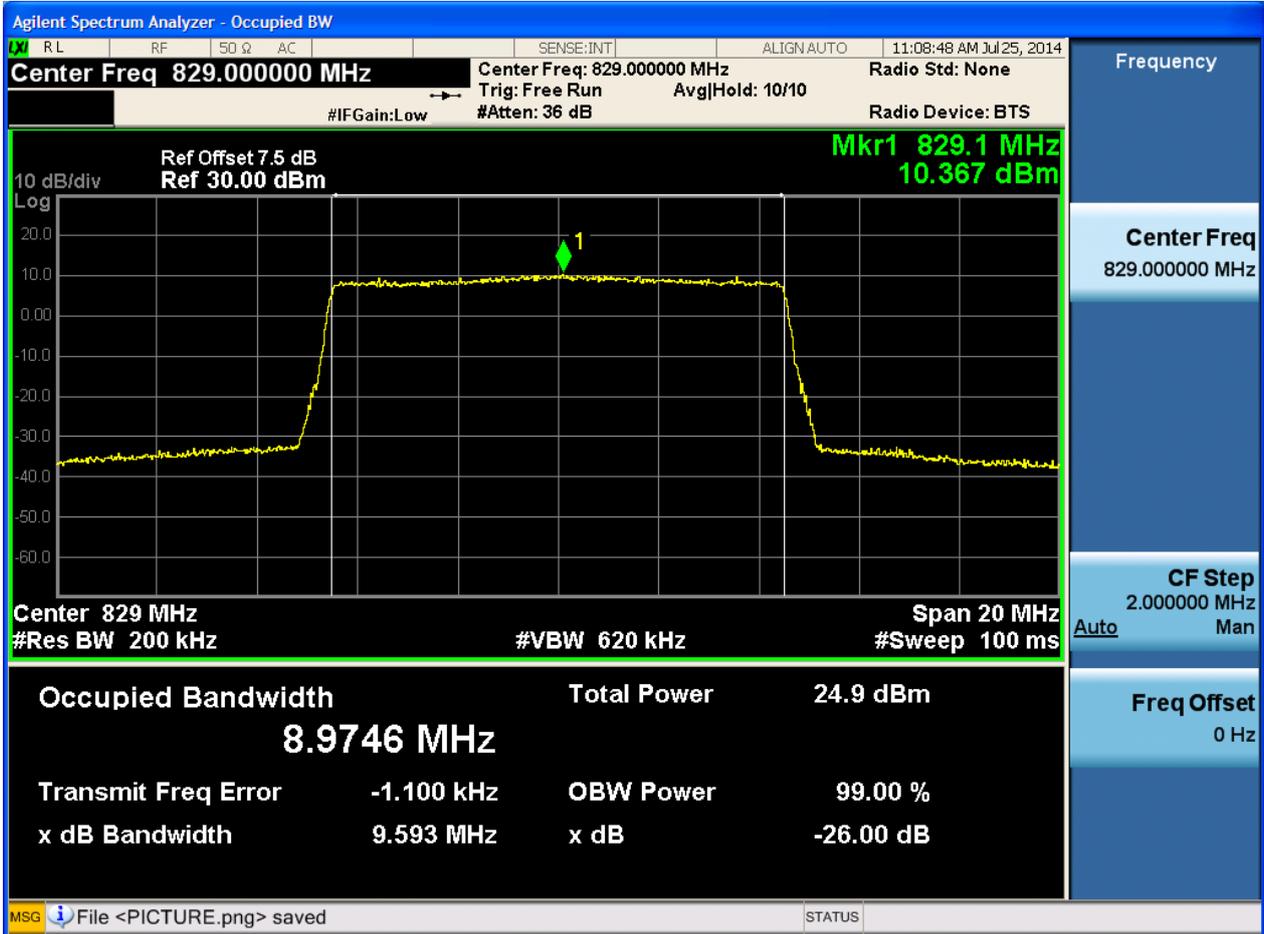
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0
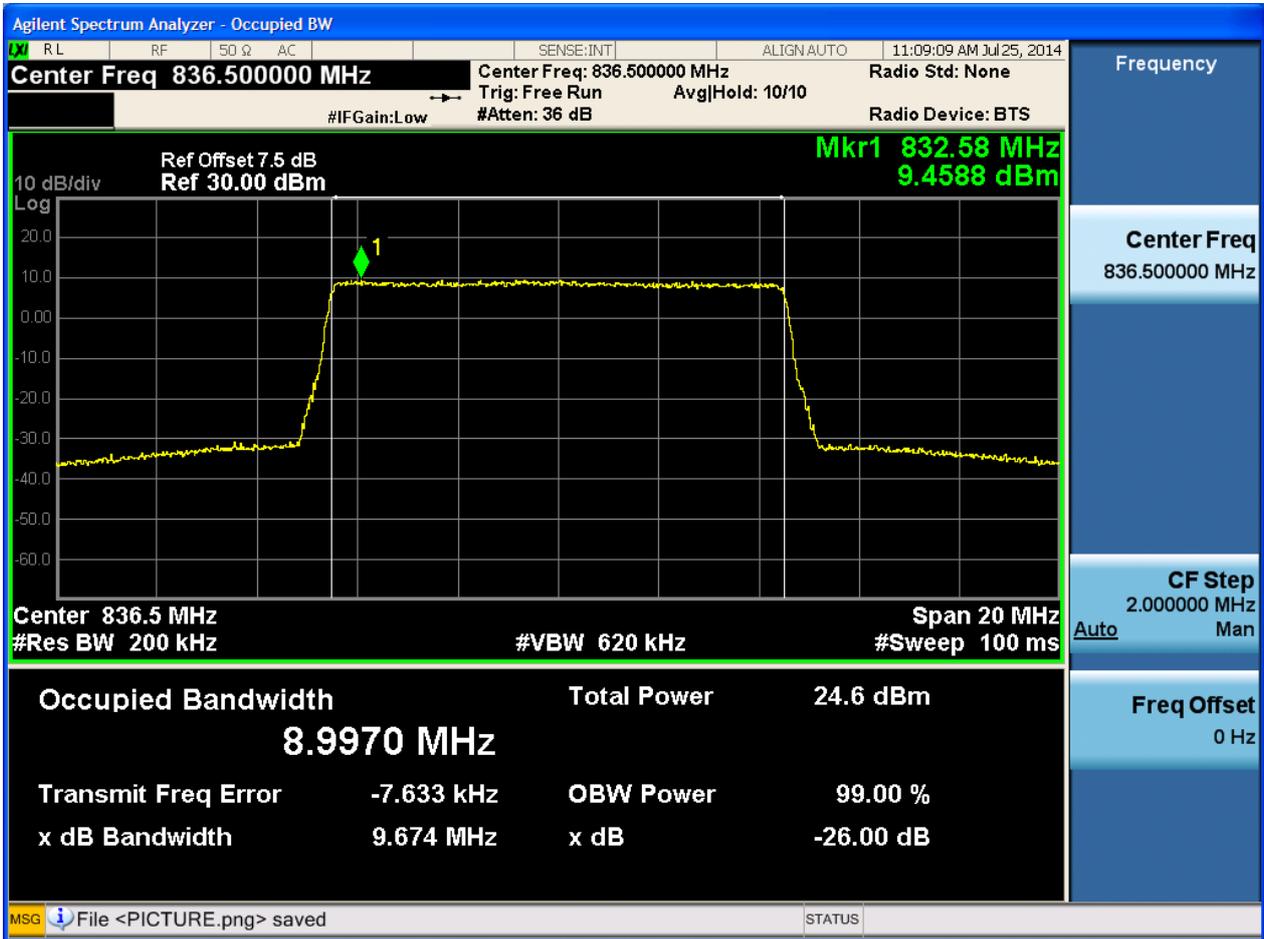
4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0
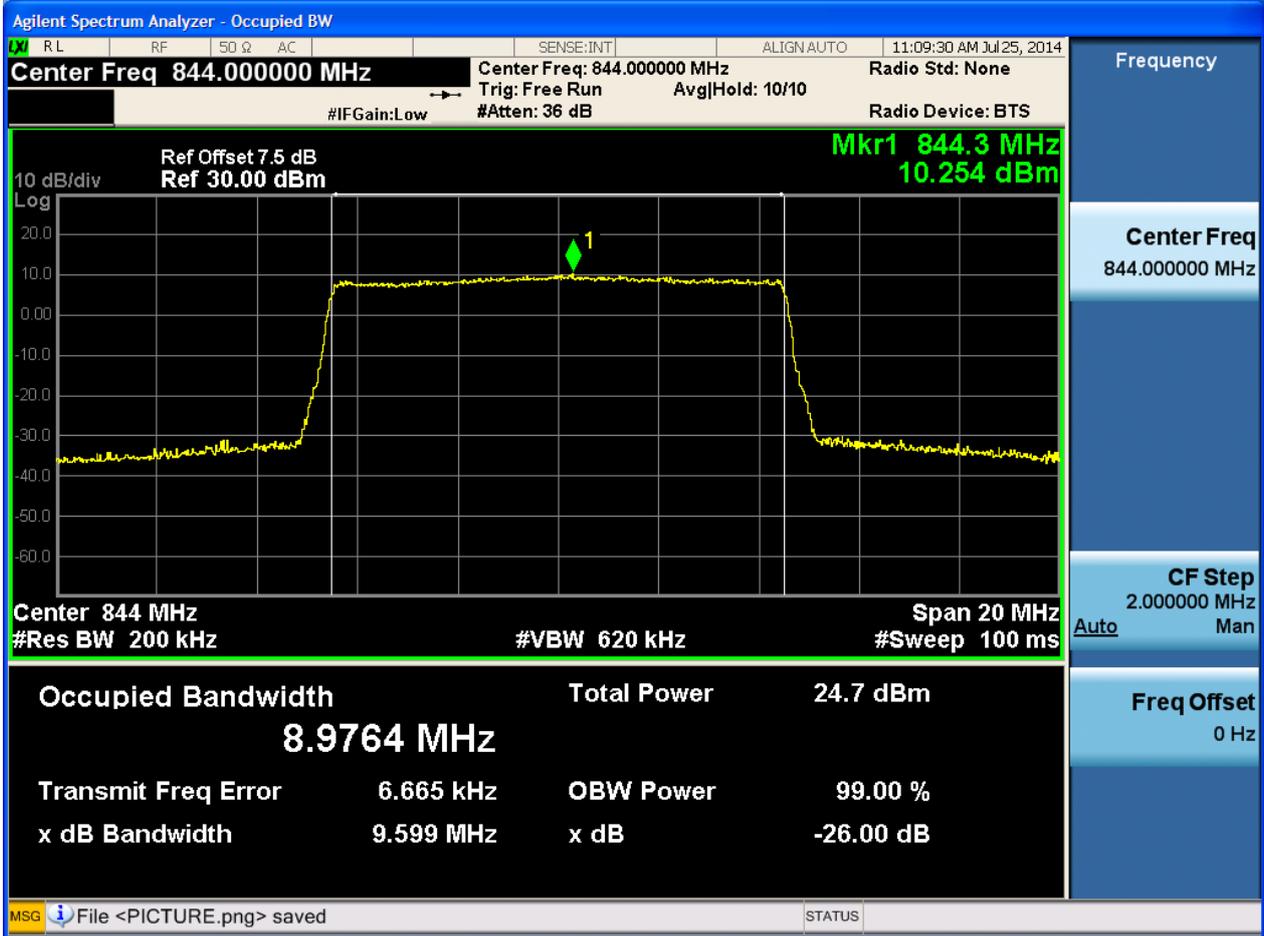
4.1.1.2 Test Mode = LTE/TM2

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
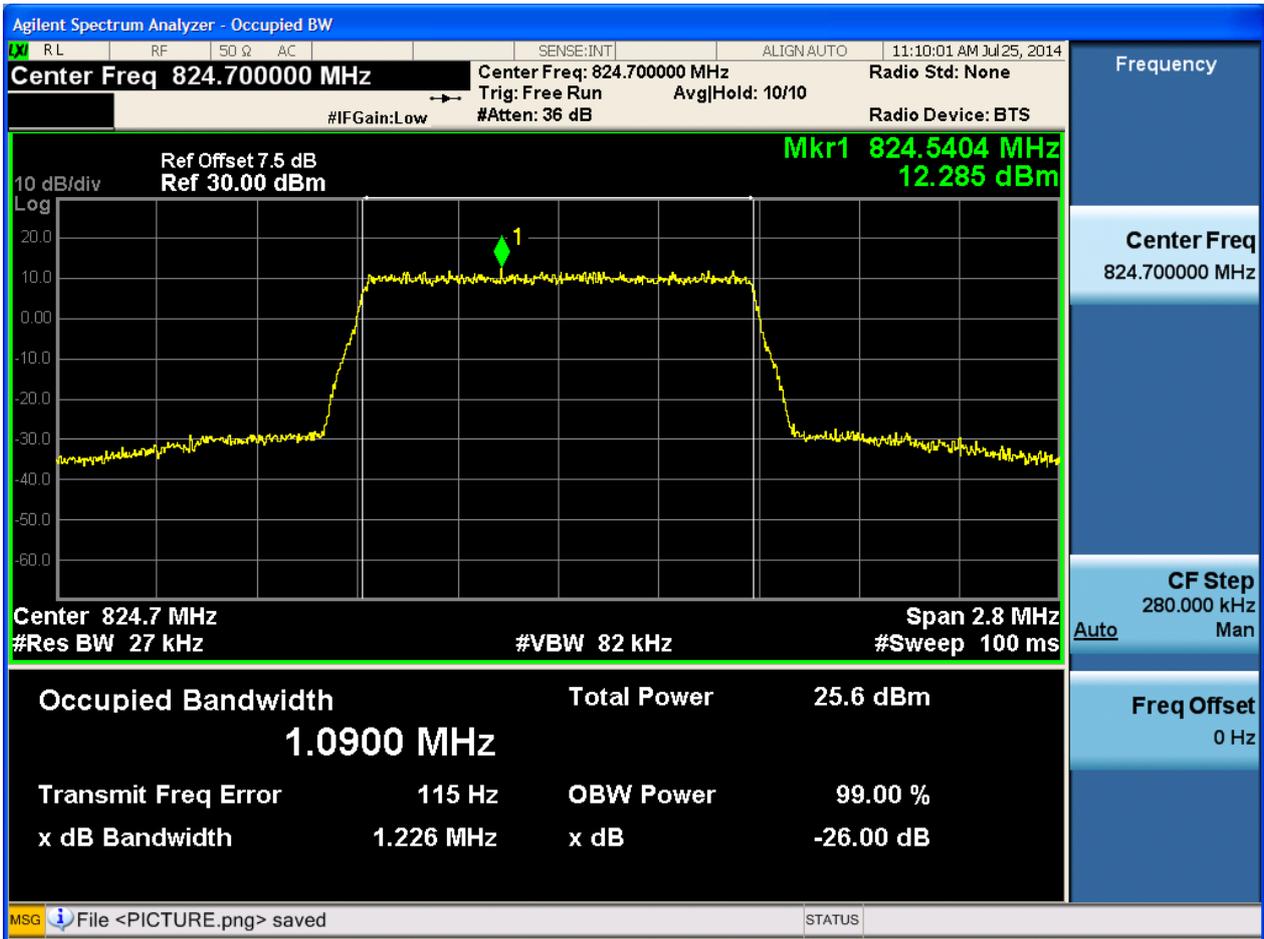
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0
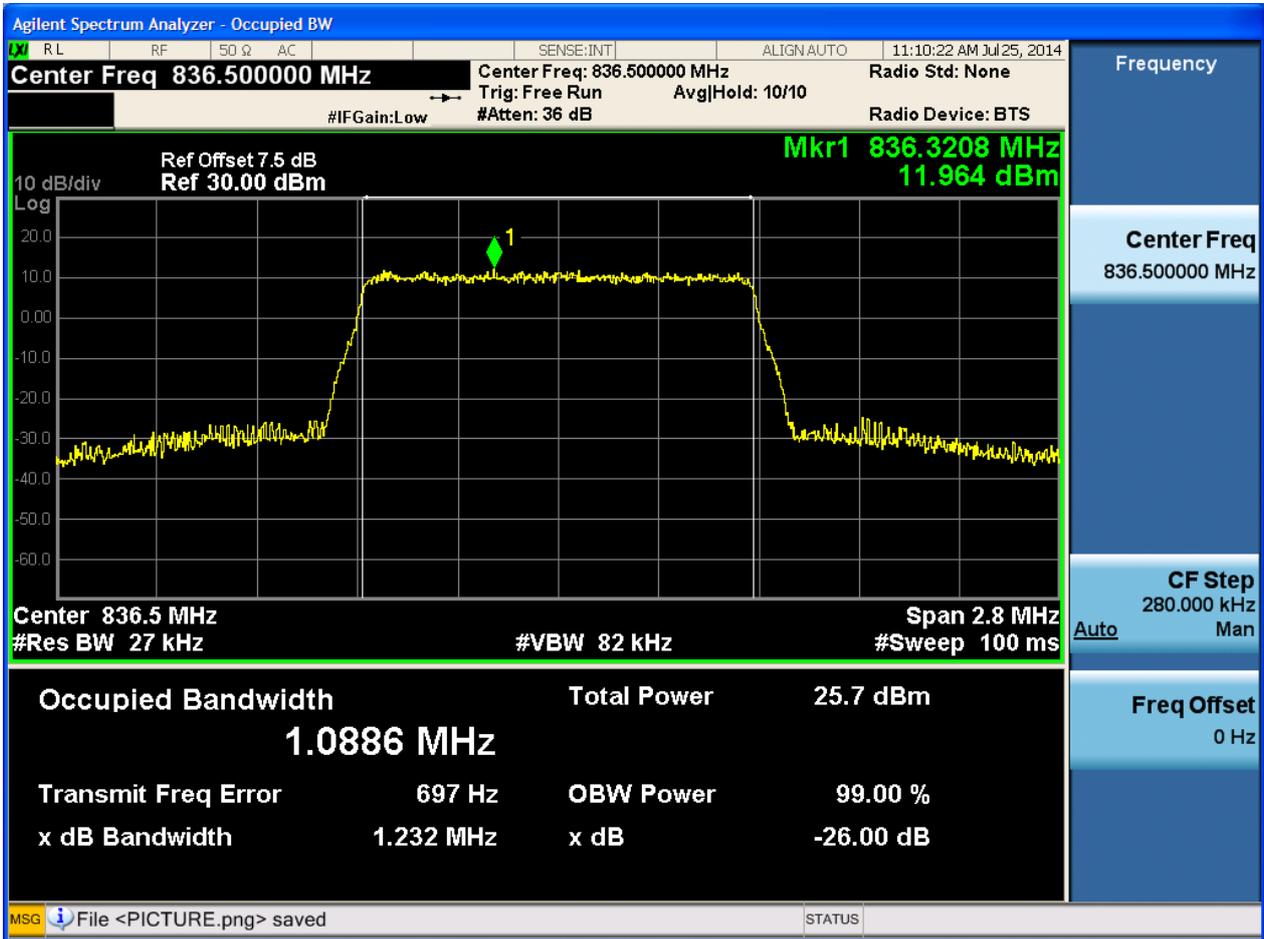
4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0
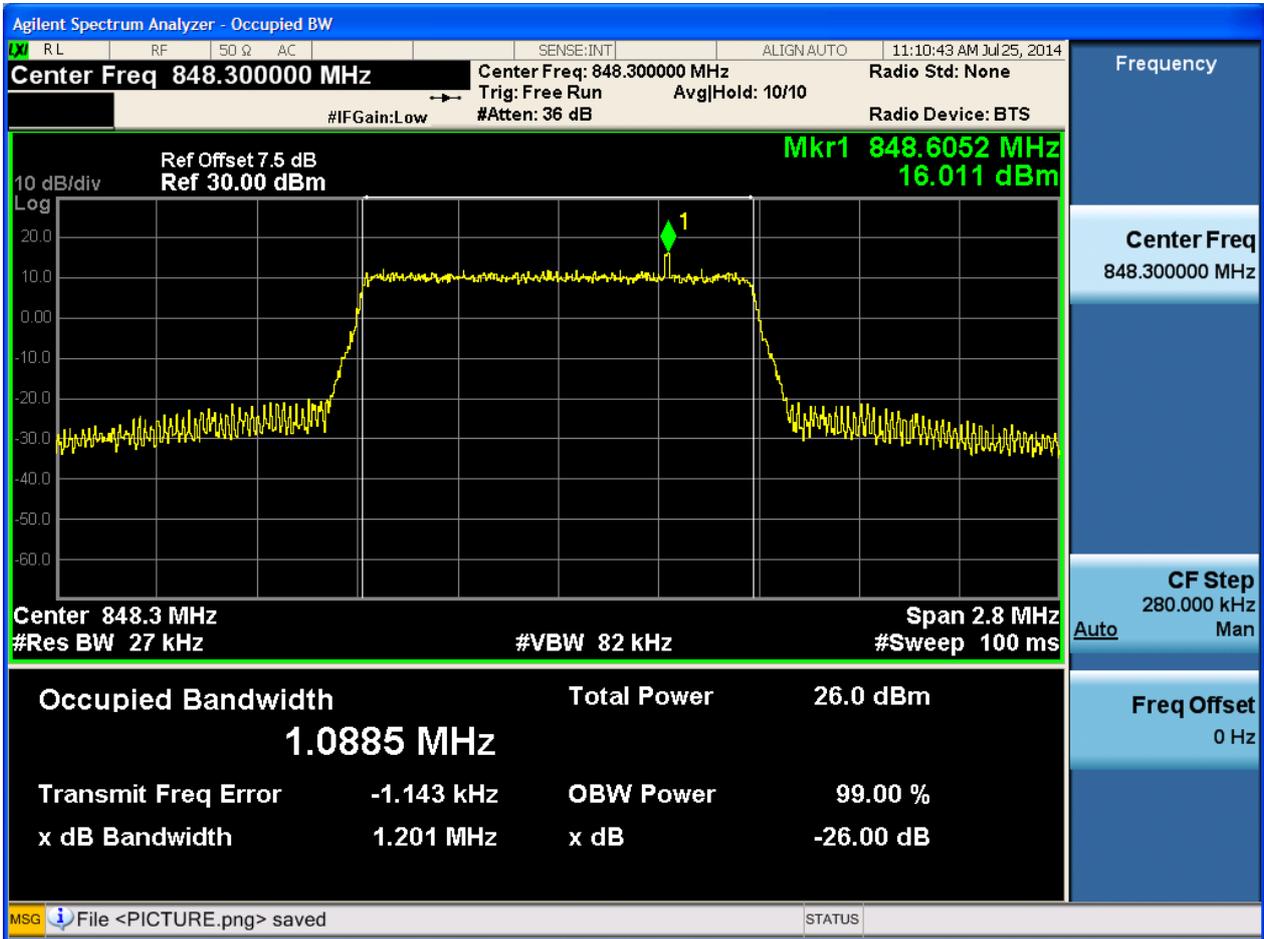
4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0
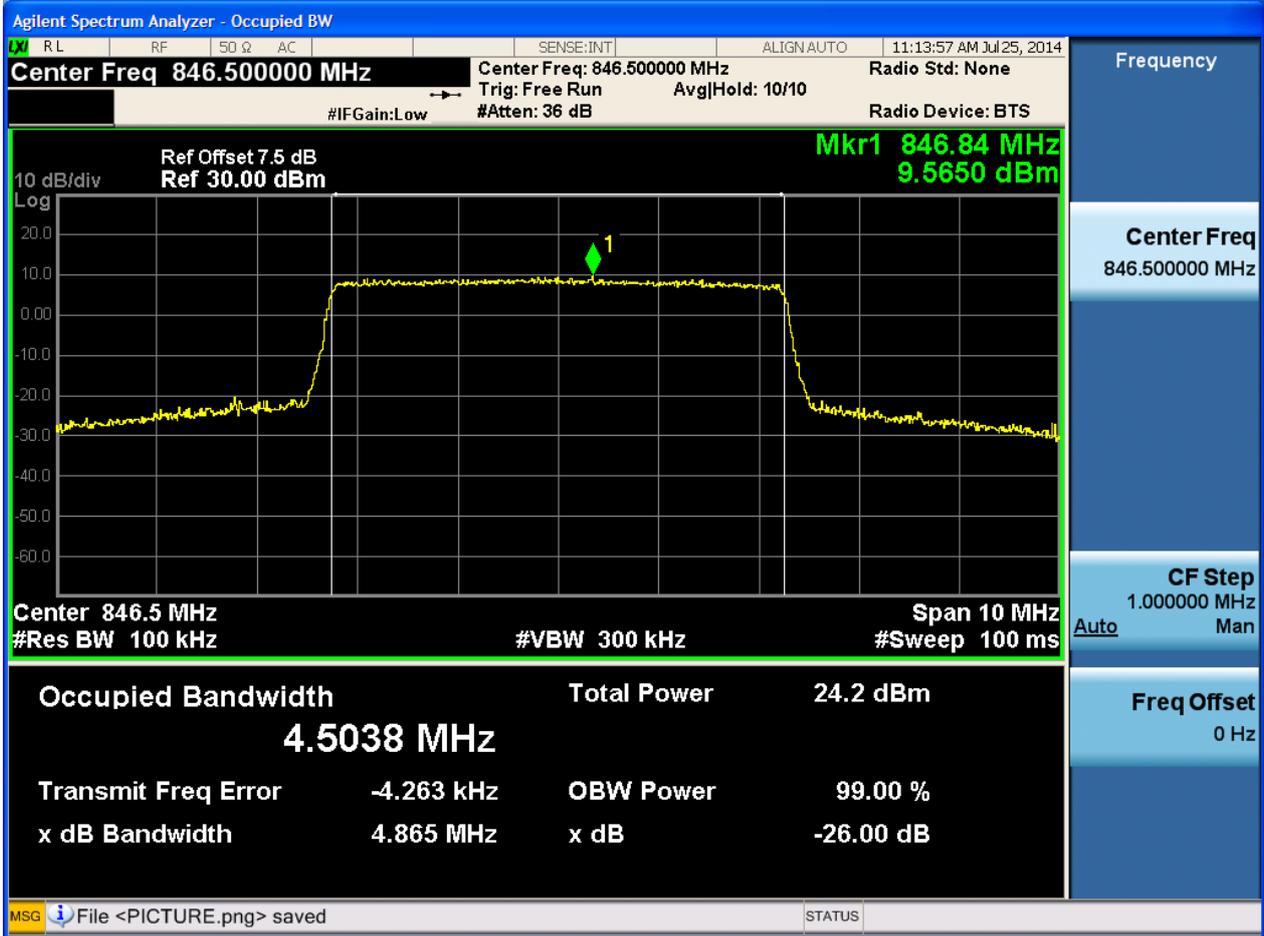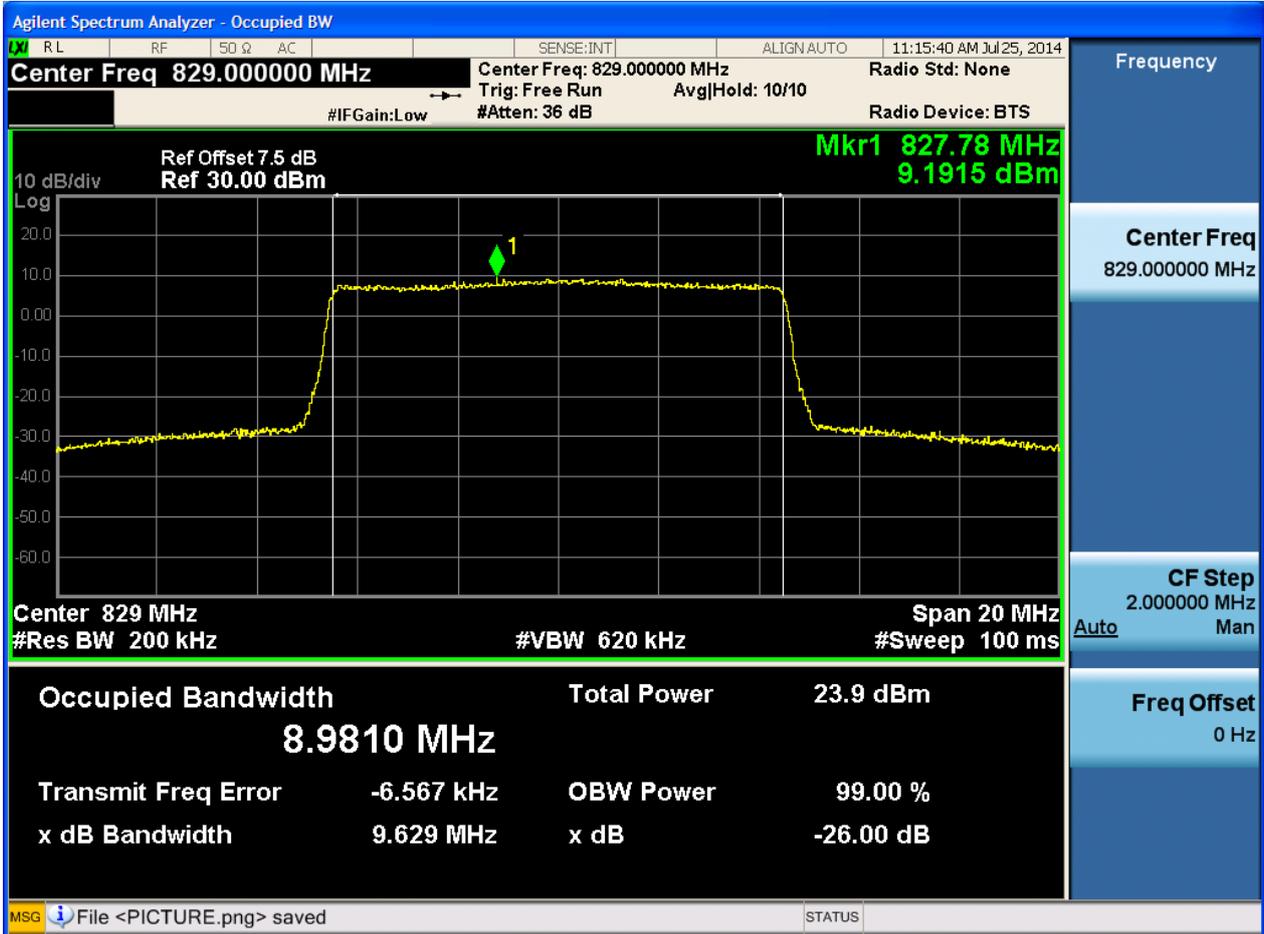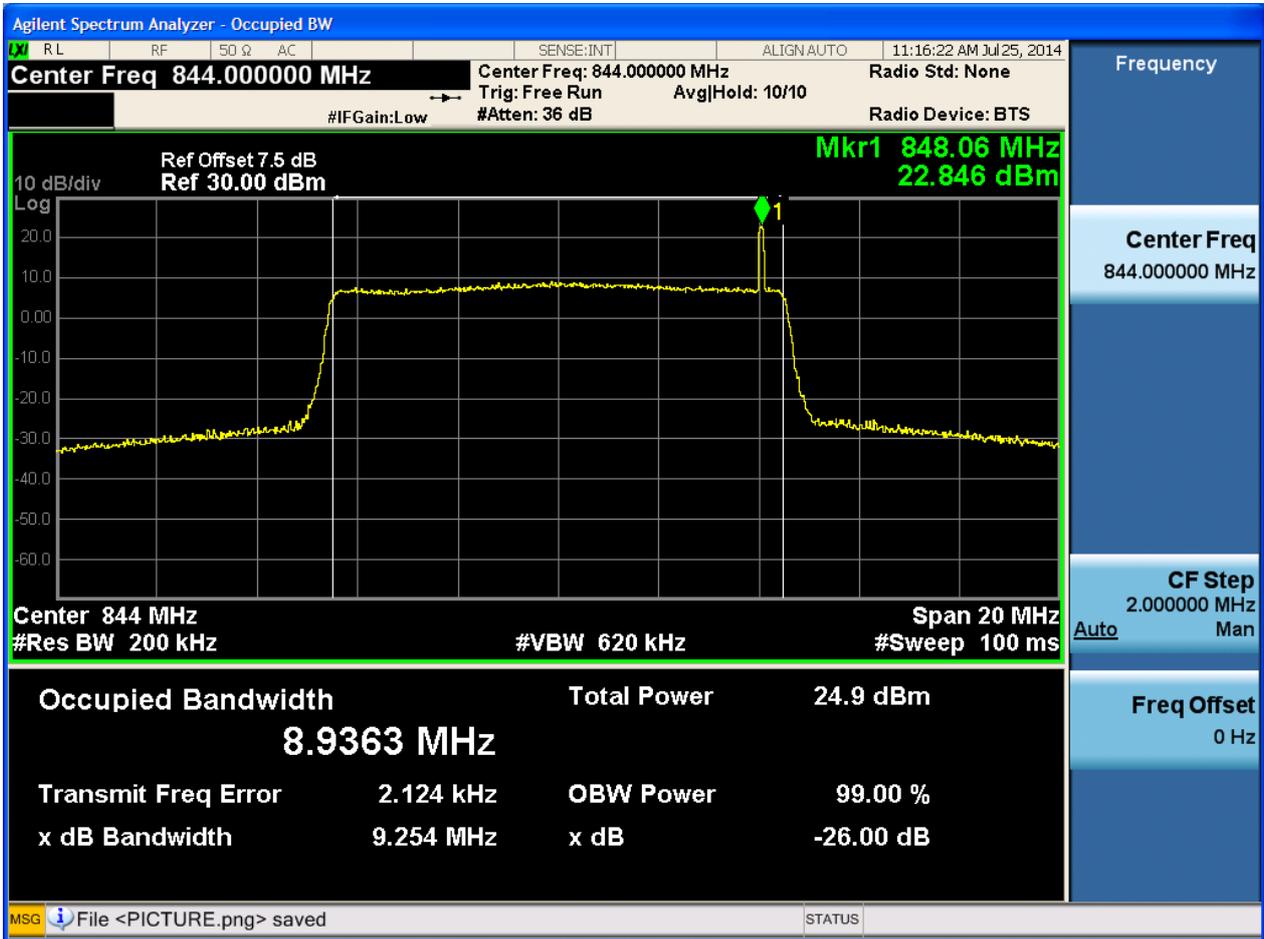
4.1.1.2.2.2 Test Channel = MCH

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

Agilent Spectrum Analyzer - Occupied BW

LXI R L | RF | 50 Ω AC | | | SENSE:INT | ALIGN AUTO | 11:12:20 AM Jul 25, 2014

Center Freq 847.500000 MHz

Center Freq: 847.500000 MHz   Radio Std: None
Trig: Free Run   Avg|Hold: 10/10
#IFGain:Low   #Atten: 36 dB   Radio Device: BTS

Mkr1 847.386 MHz
10.122 dBm

Ref Offset 7.5 dB
10 dB/div   Ref 30.00 dBm
Log

Center 847.5 MHz   Span 6 MHz
#Res BW 62 kHz   #VBW 180 kHz   #Sweep 100 ms

Occupied Bandwidth		Total Power	24.4 dBm
2.7053 MHz			
Transmit Freq Error	-5.737 kHz	OBW Power	99.00 %
x dB Bandwidth	2.934 MHz	x dB	-26.00 dB

MSG File <PICTURE.png> saved   STATUS

Frequency

Center Freq
847.500000 MHz

CF Step
600.000 kHz
Auto   Man

Freq Offset
0 Hz

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
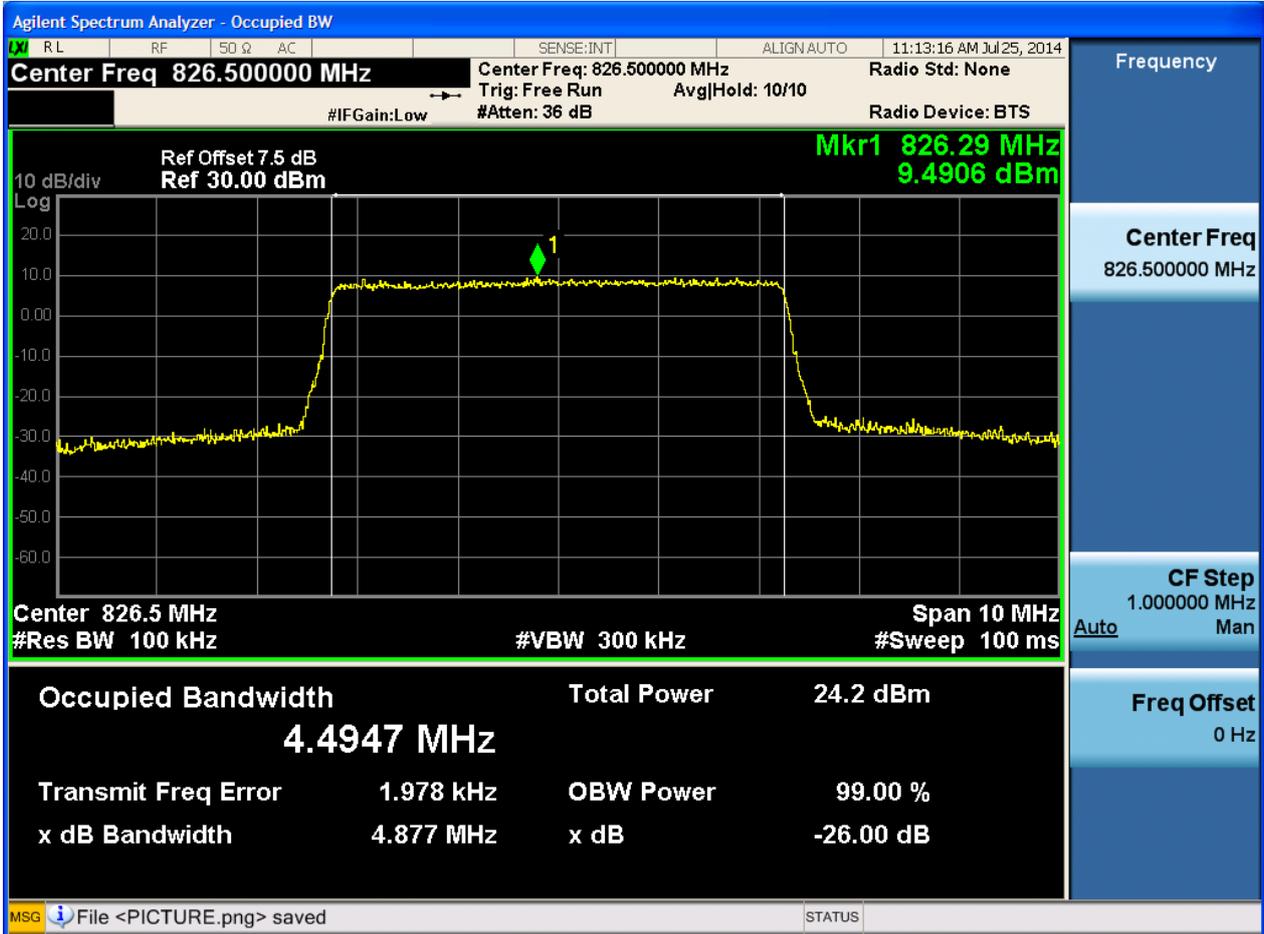
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

Agilent Spectrum Analyzer - Occupied BW

Center Freq 836.500000 MHz	Center Freq: 836.500000 MHz	Radio Std: None
	Trig: Free Run Avg|Hold: 10/10	
#IFGain:Low		Radio Device: BTS

Mkr1 836.42 MHz
9.2722 dBm

Ref Offset 7.5 dB
10 dB/div Ref 30.00 dBm

Center 836.5 MHz   Span 10 MHz
#Res BW 100 kHz   #VBW 300 kHz   #Sweep 100 ms

Occupied Bandwidth   Total Power   24.2 dBm
4.4989 MHz

Transmit Freq Error   -994 Hz   OBW Power   99.00 %
x dB Bandwidth   4.863 MHz   x dB   -26.00 dB

MSG Alignment Completed   STATUS

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
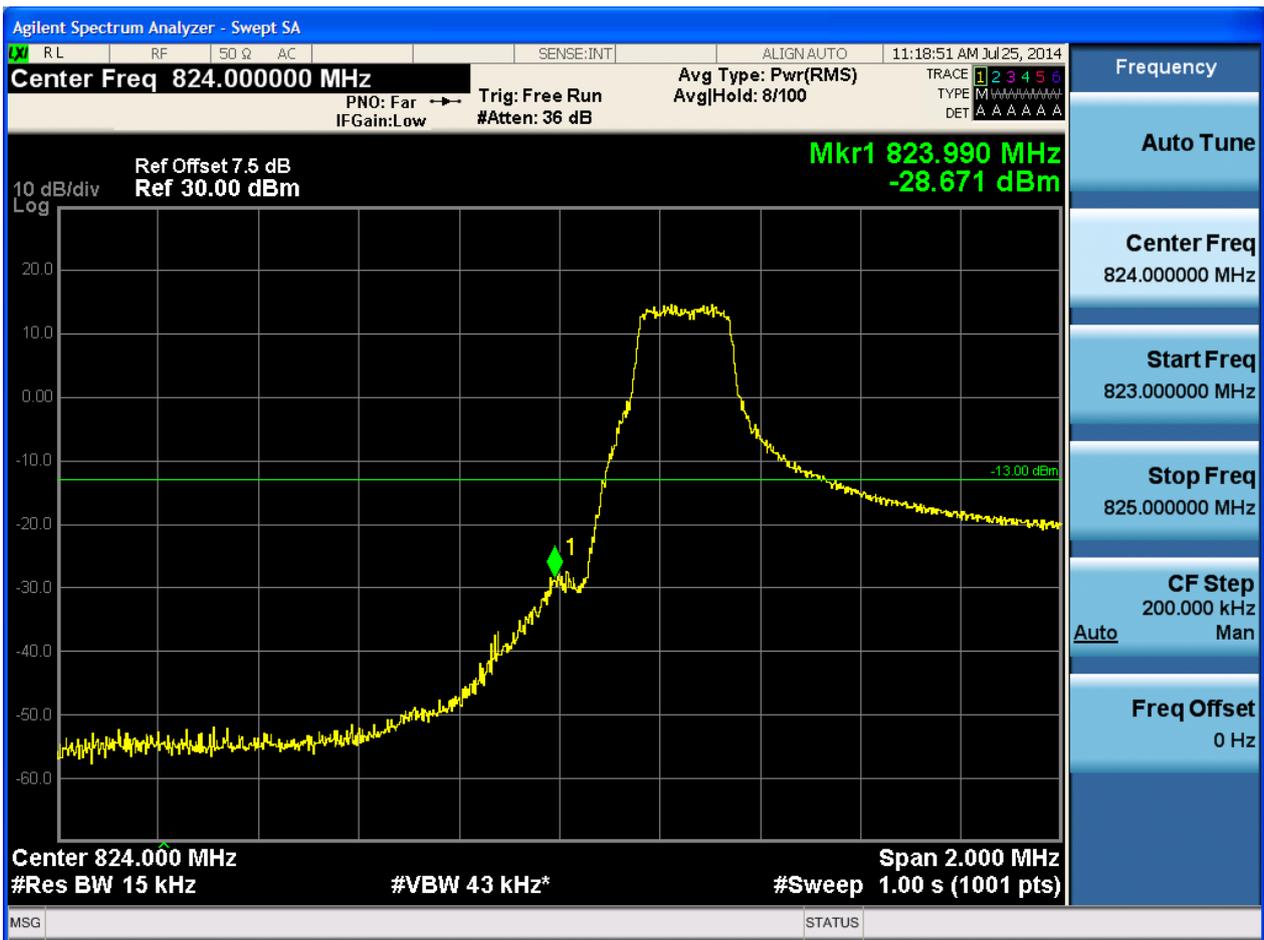
5.1.1.1.1.2 Test RB = RB1#5
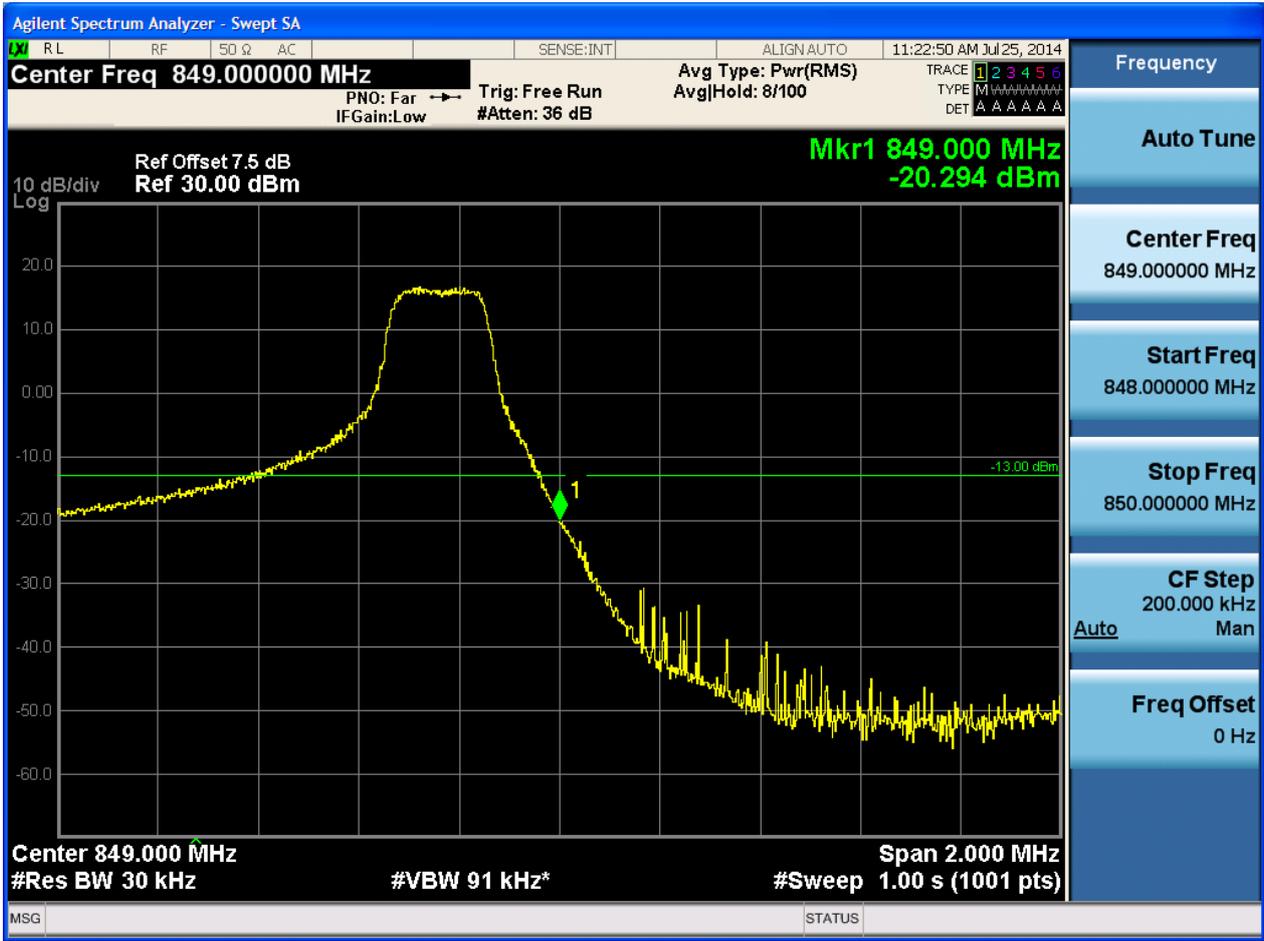
5.1.1.1.1.3 Test RB = RB3#2
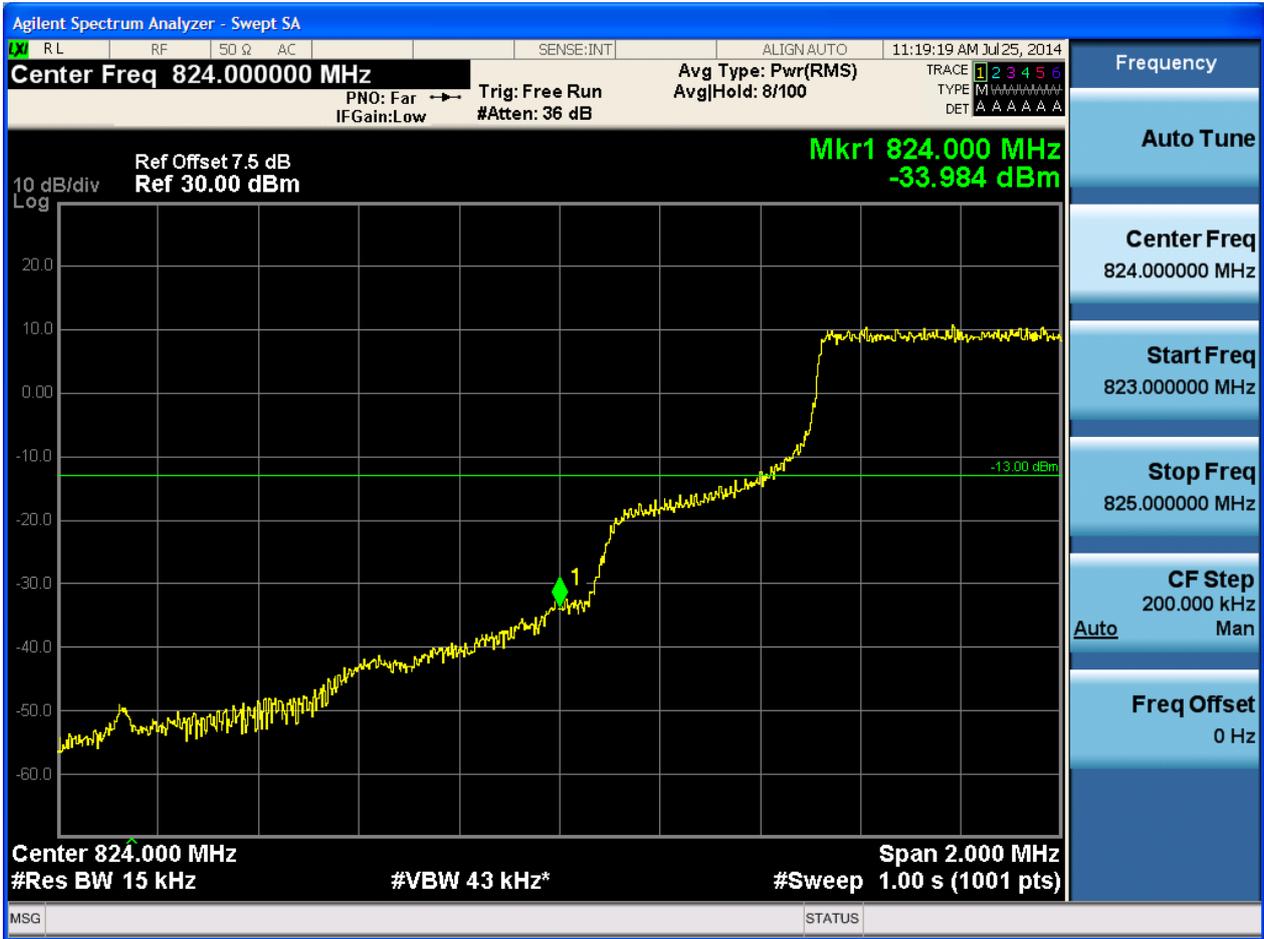
5.1.1.1.1.1.4 Test RB = RB6#0

5.1.1.1.1.2 Test Channel = HCH
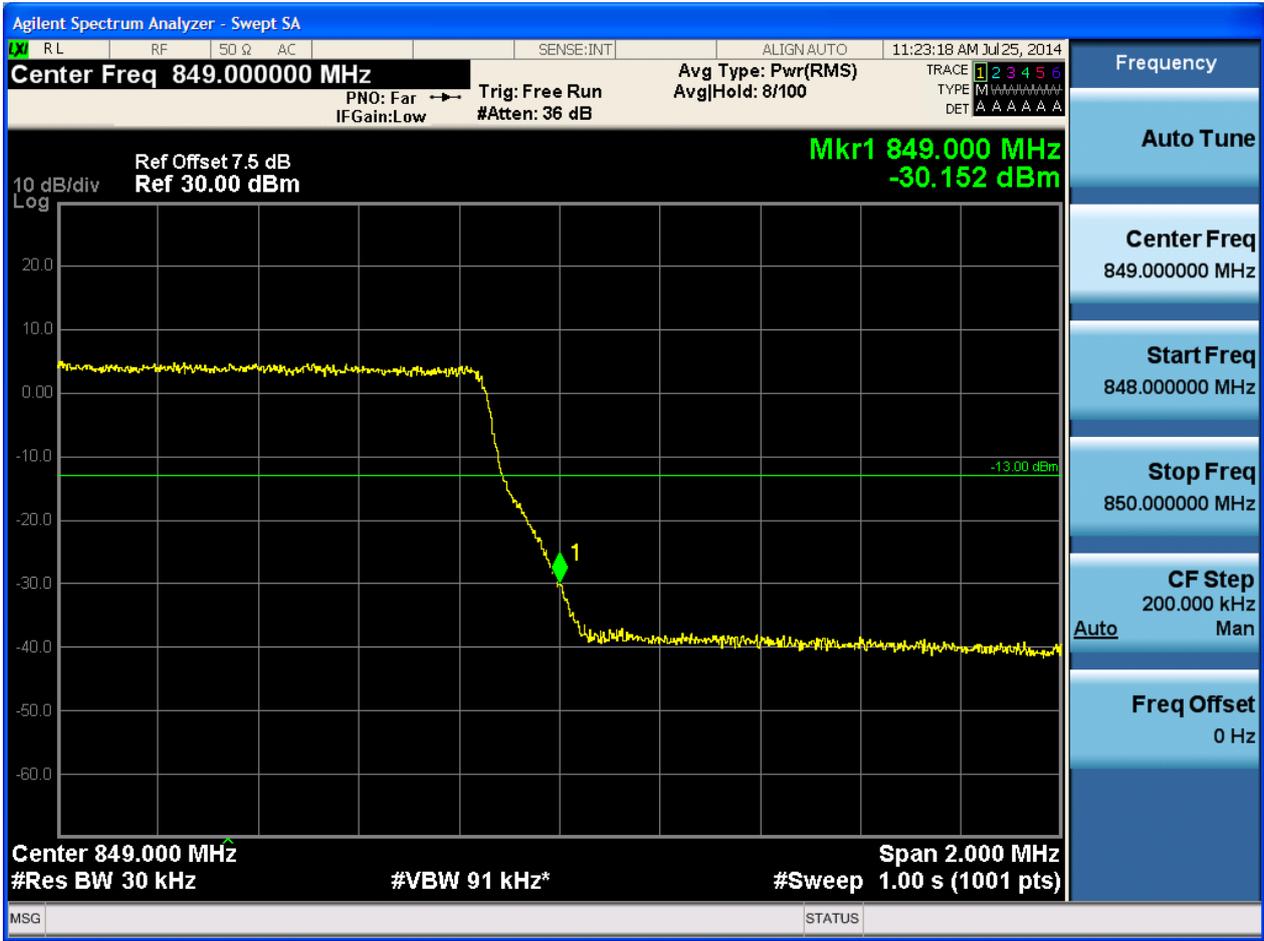
5.1.1.1.1.2.1 Test RB = RB1#0

5.1.1.1.1.2.2 Test RB = RB1#5
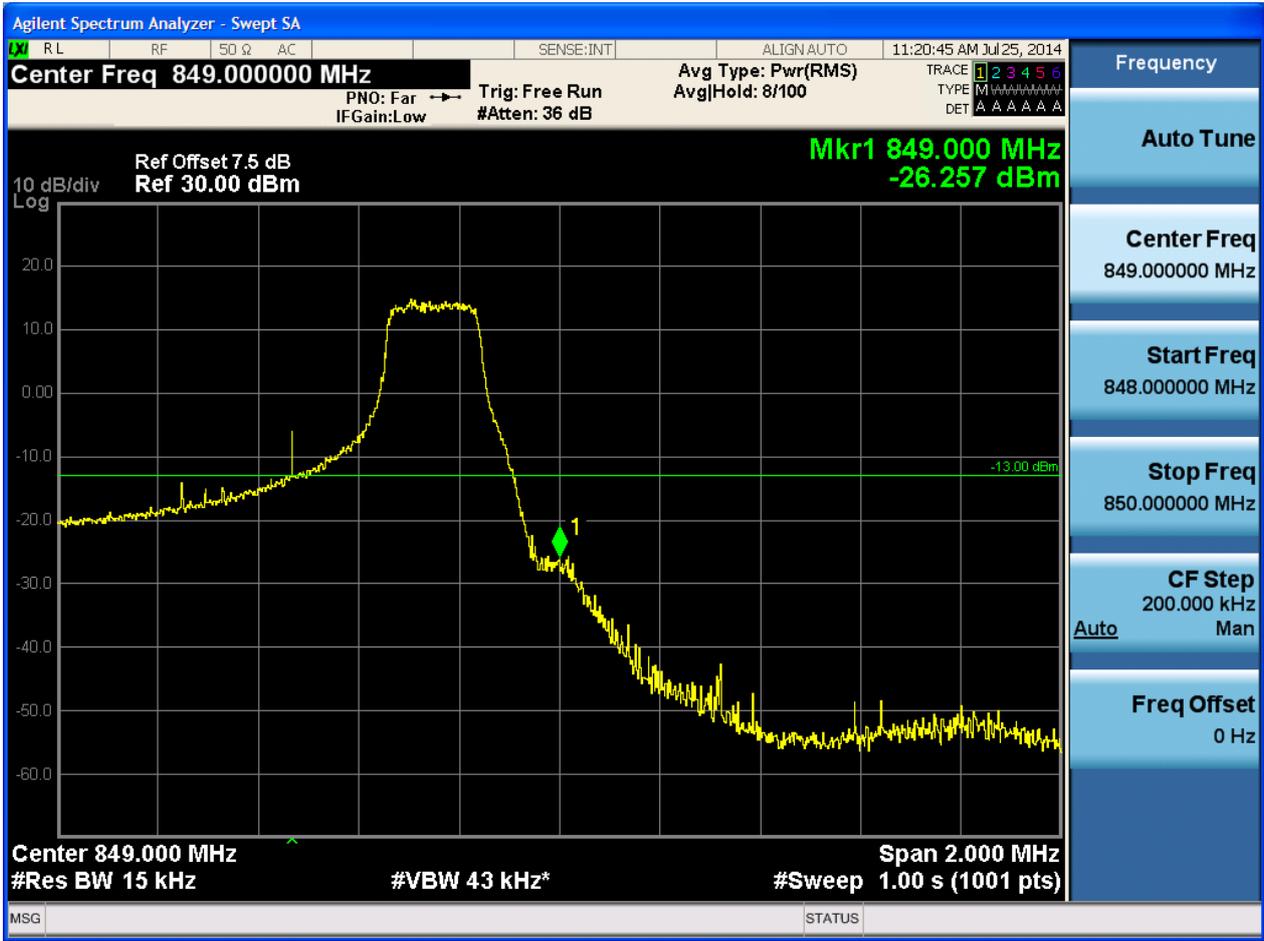
5.1.1.1.1.2.3 Test RB = RB3#2
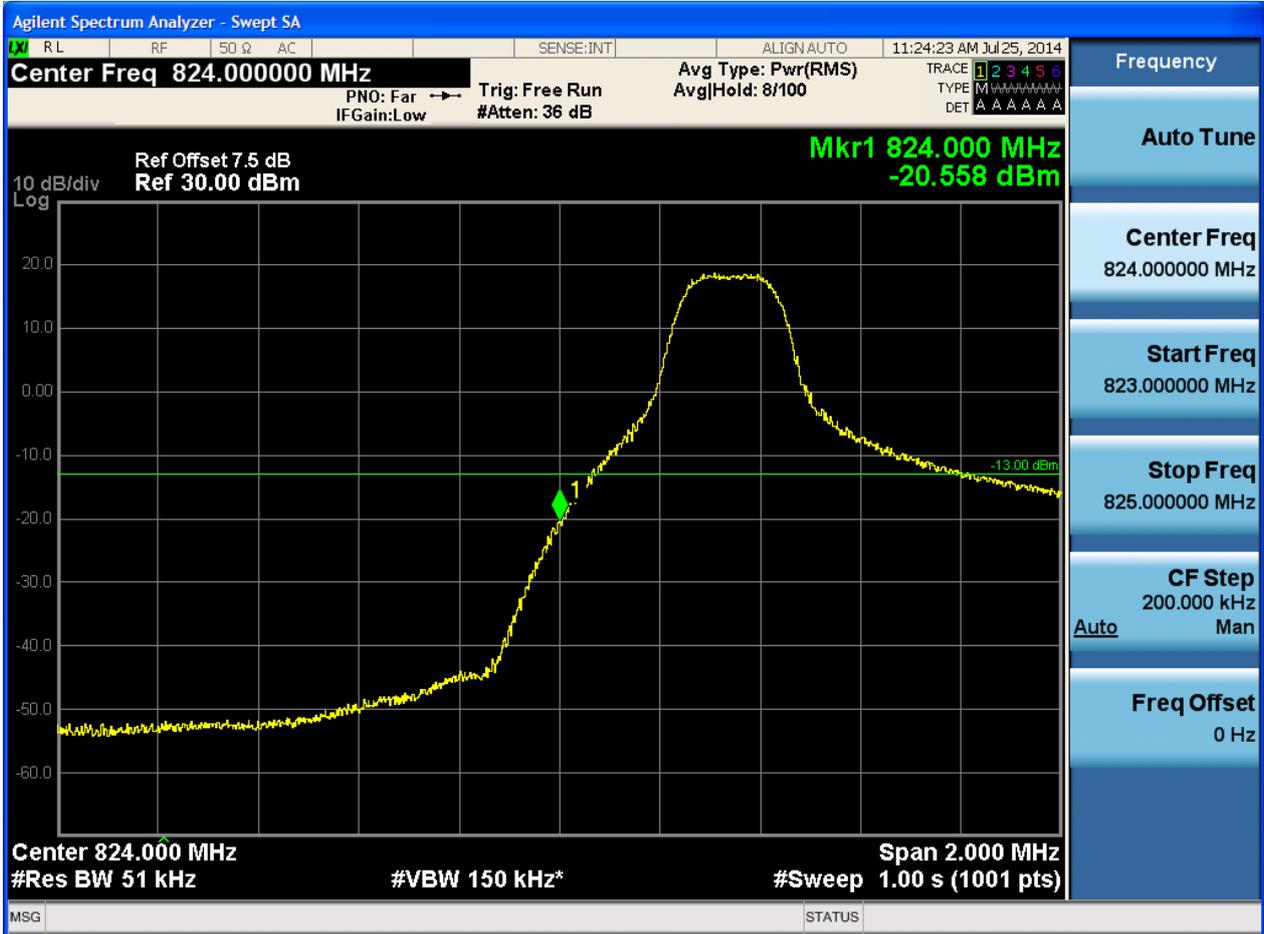
5.1.1.1.1.2.4 Test RB = RB6#0
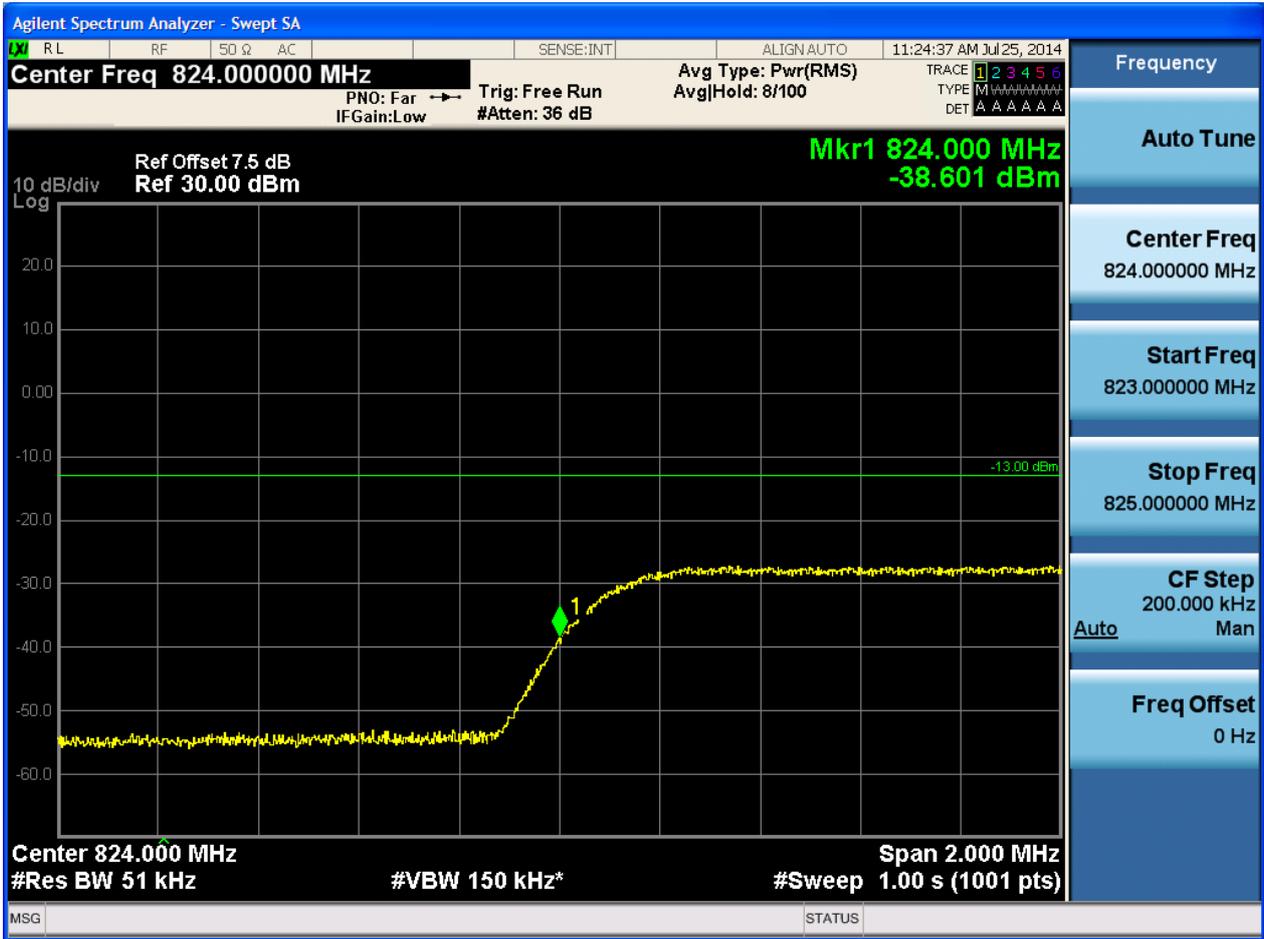
5.1.1.1.2 Test Bandwidth = 3

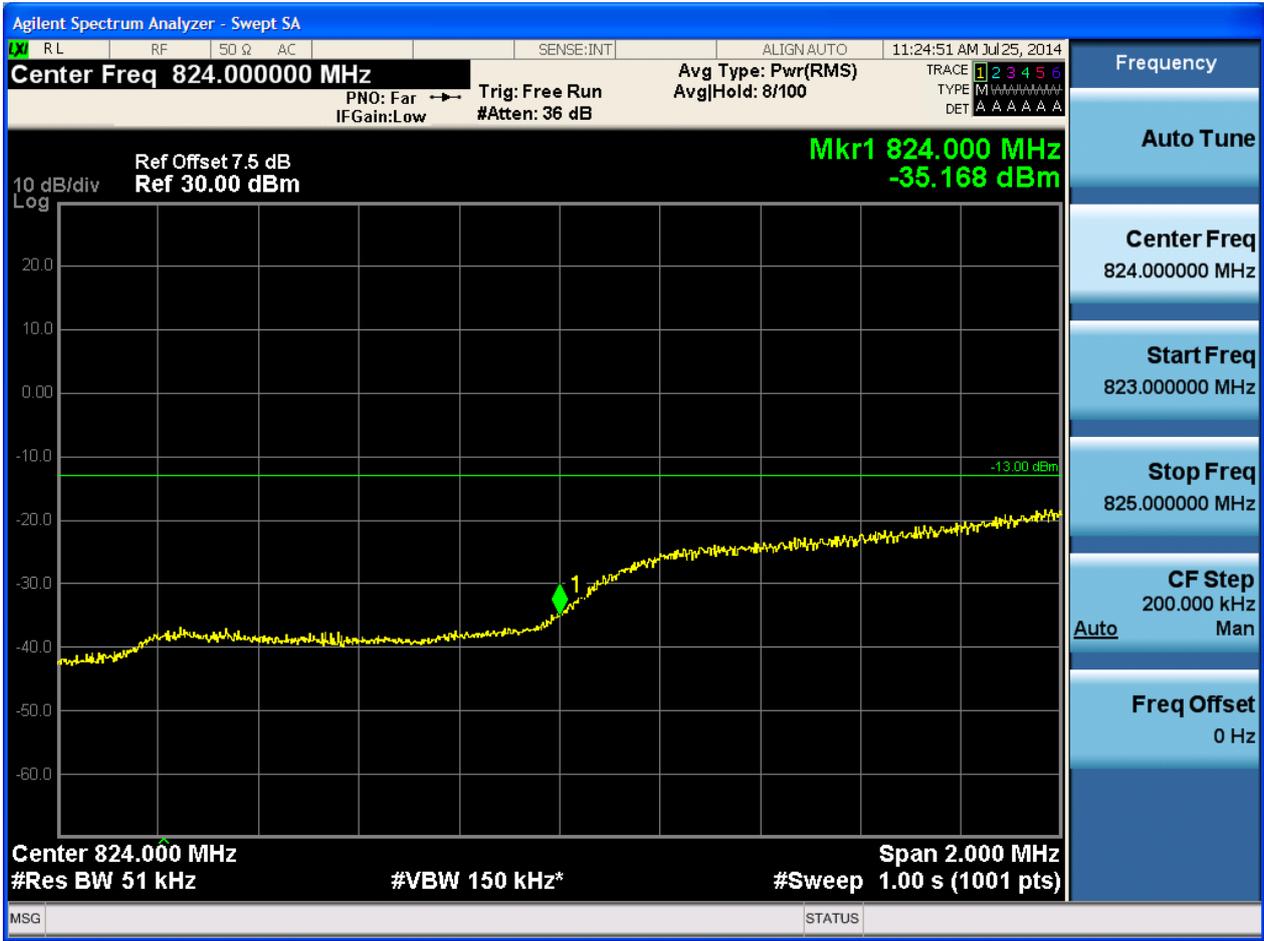### 5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0
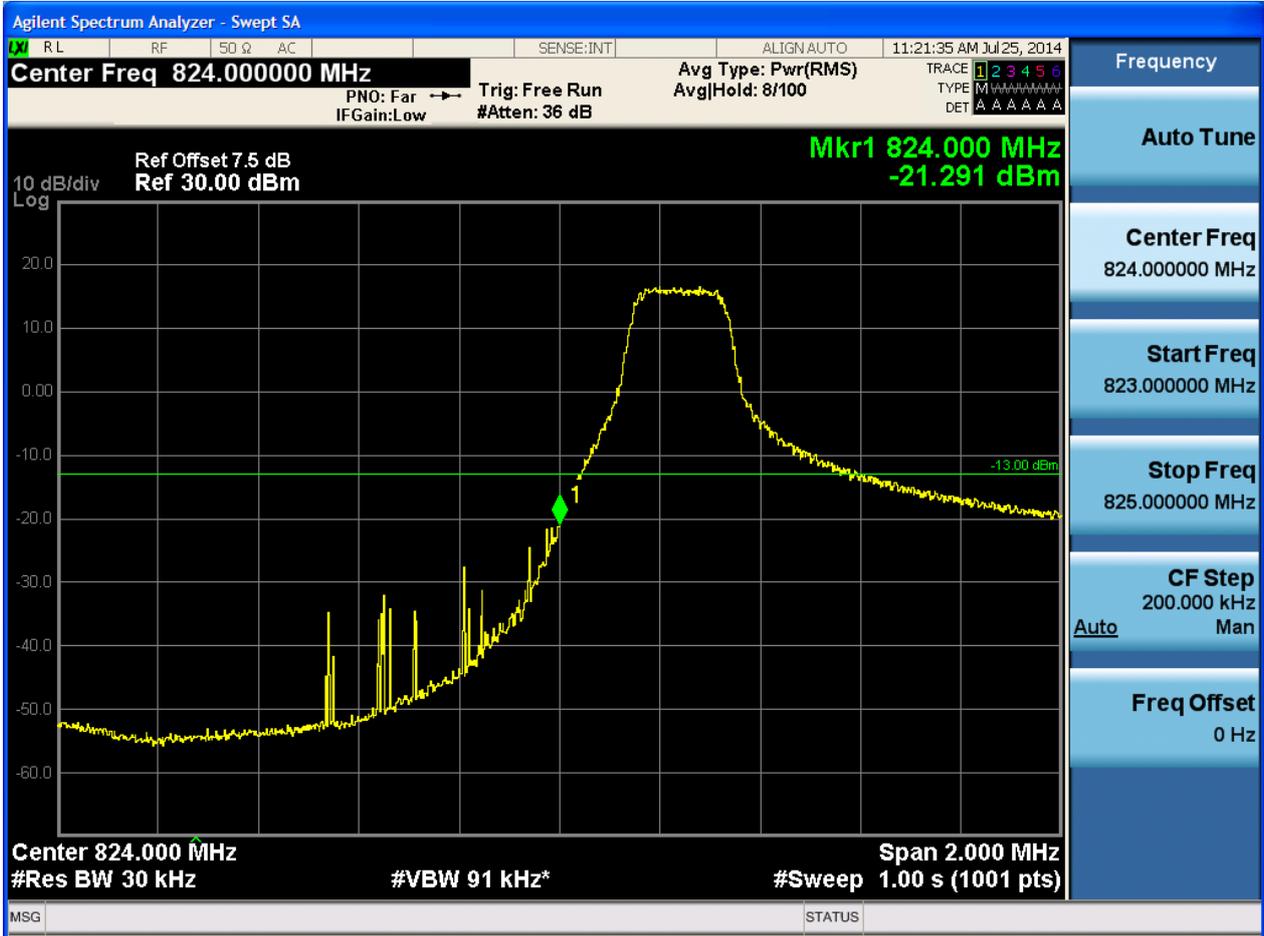
## 5.1.1.1.2.1.2 Test RB = RB1#14
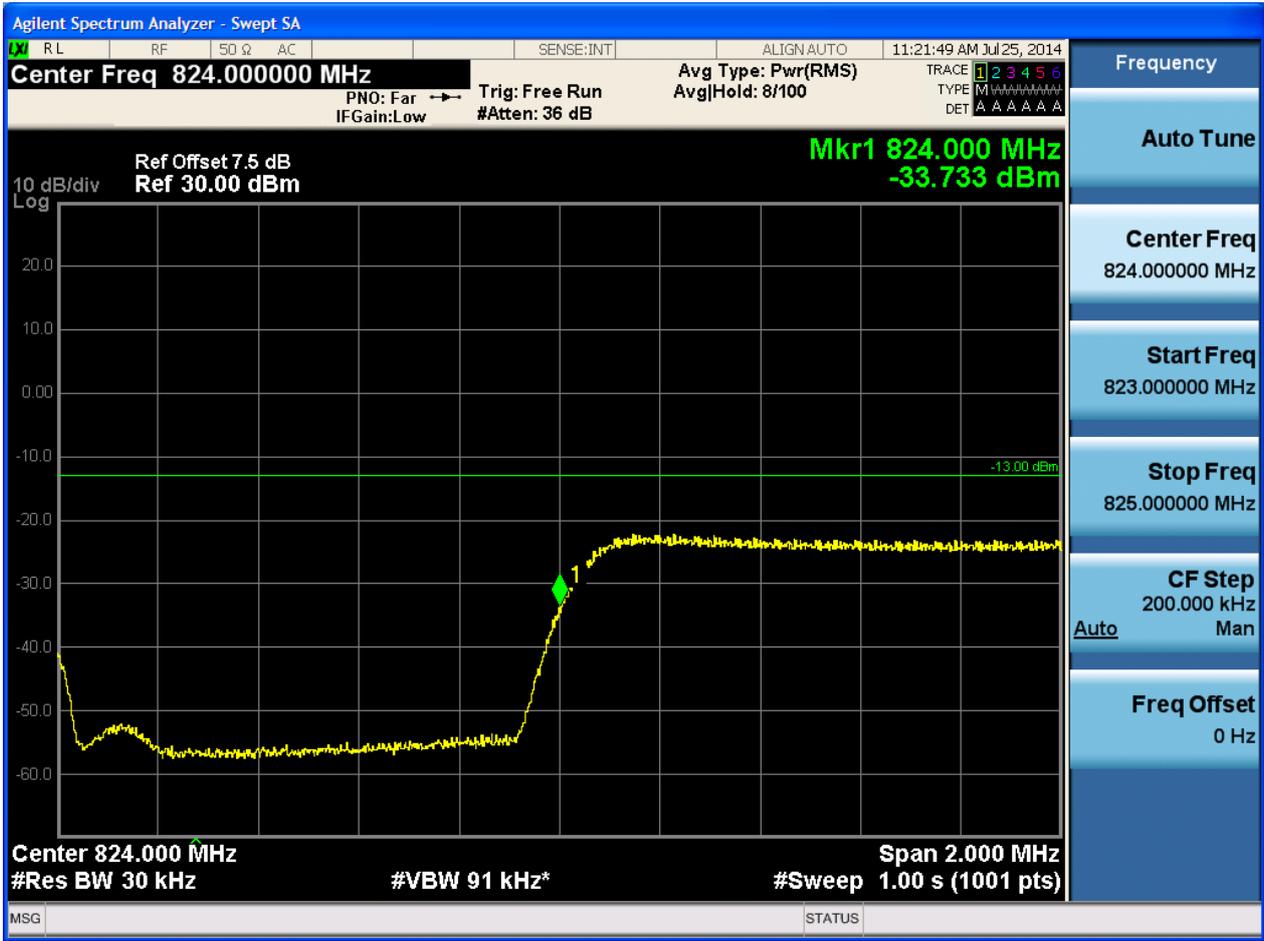
5.1.1.1.2.1.3 Test RB = RB8#4

5.1.1.1.2.1.4 Test RB = RB15#0
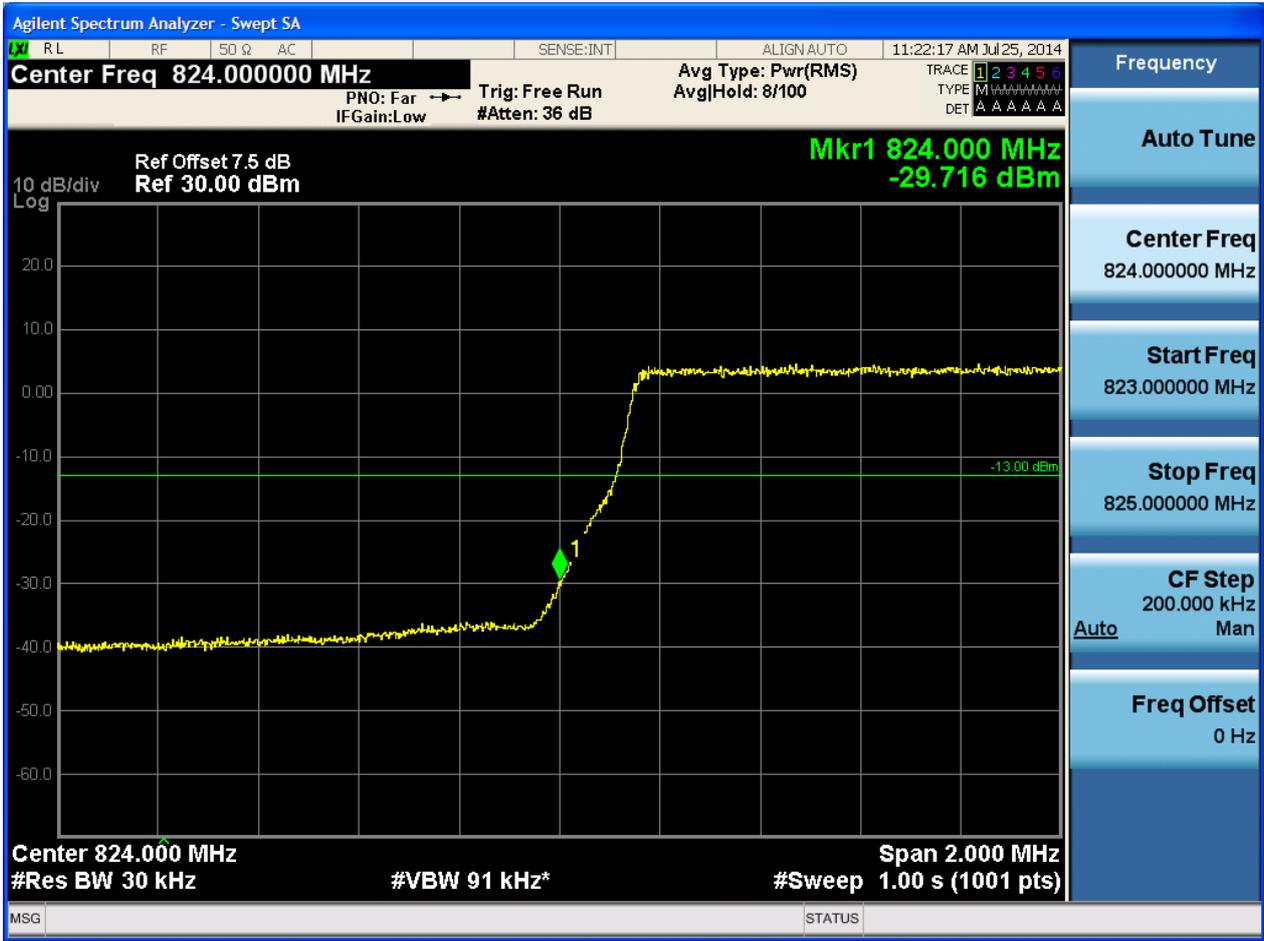
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0
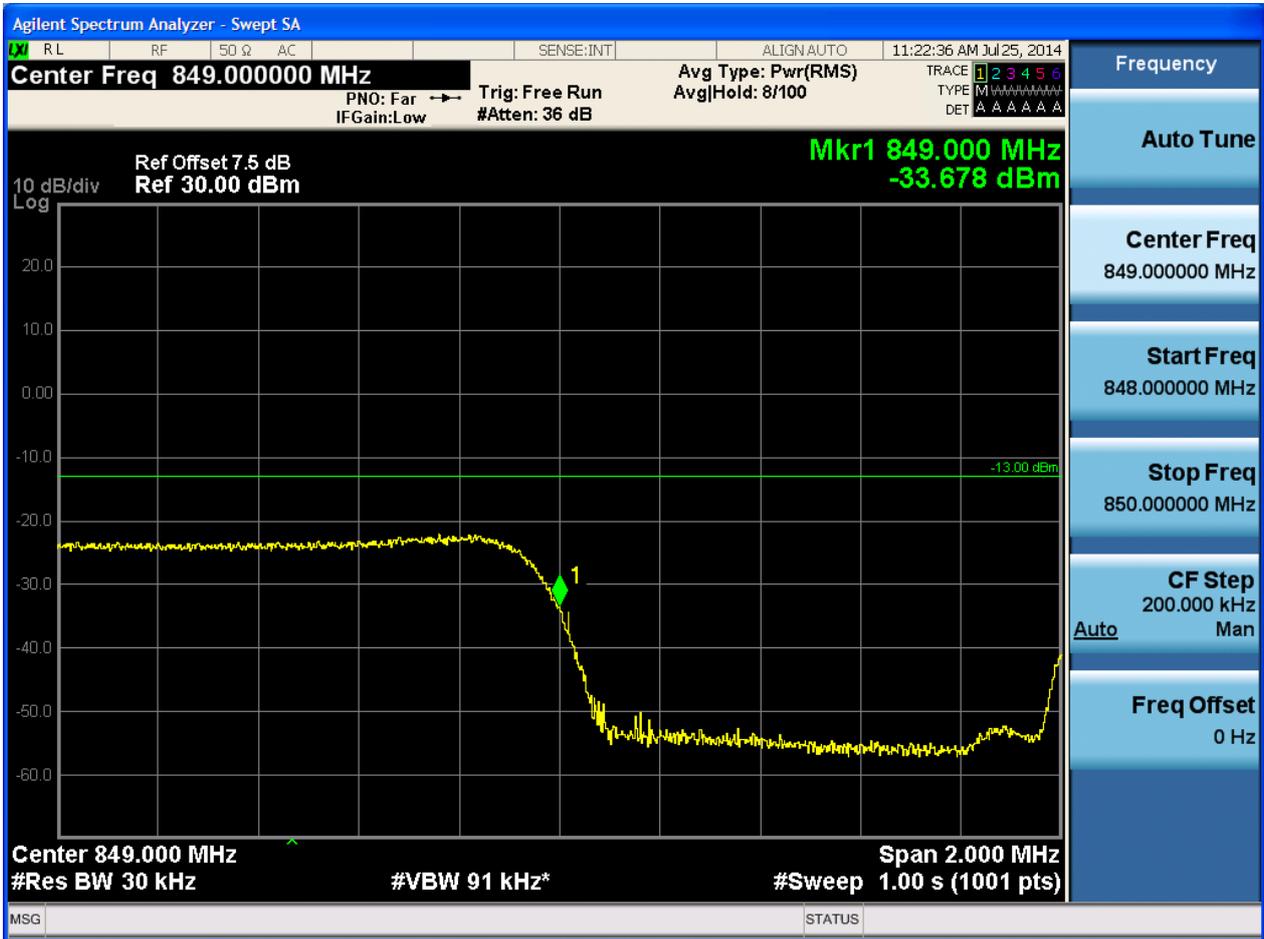
5.1.1.1.2.2.2 Test RB = RB1#14

5.1.1.1.2.2.3 Test RB = RB8#4

5.1.1.1.2.2.4 Test RB = RB15#0

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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

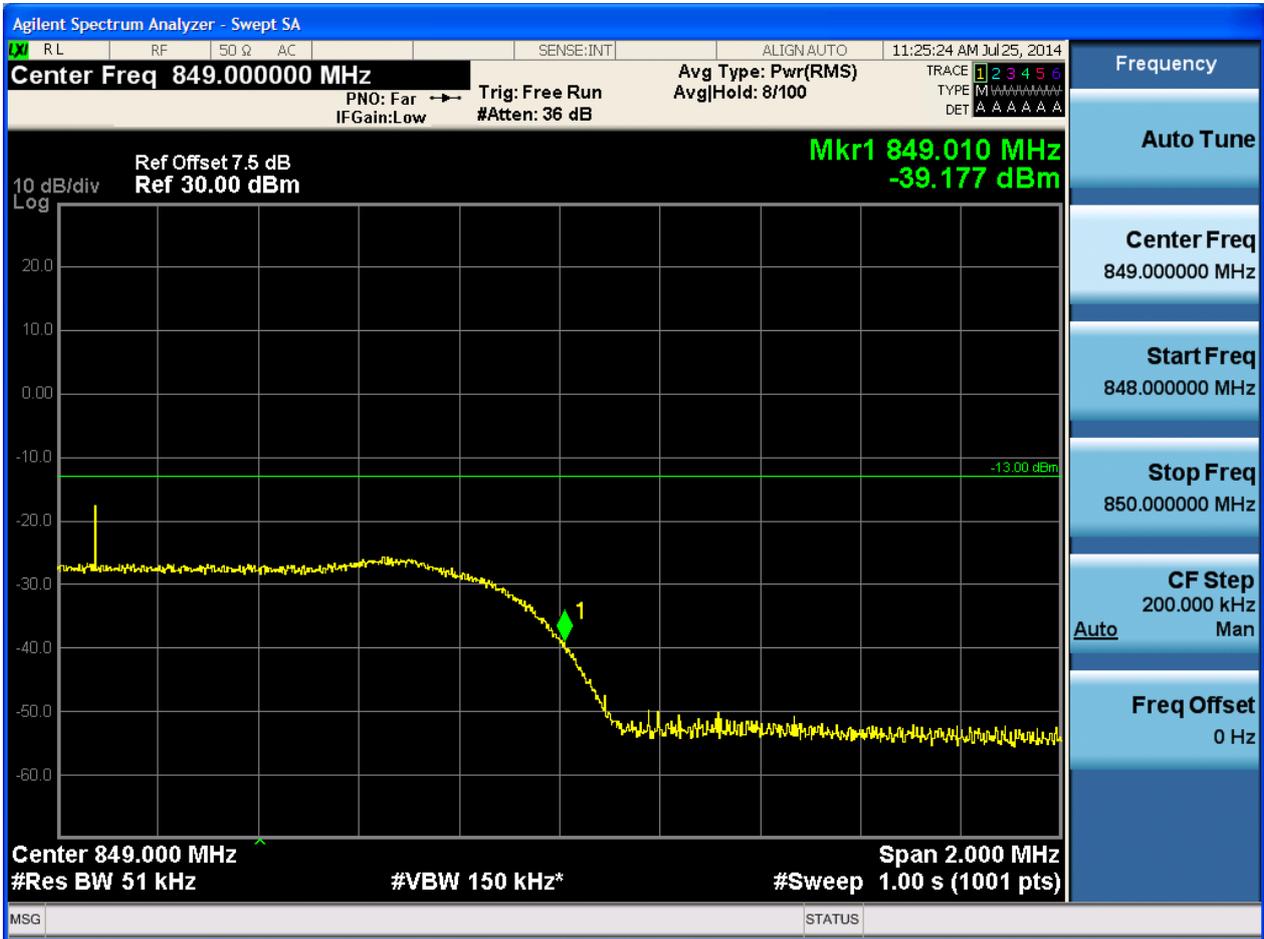## 5.1.1.1.3.1.3 Test RB = RB12#6

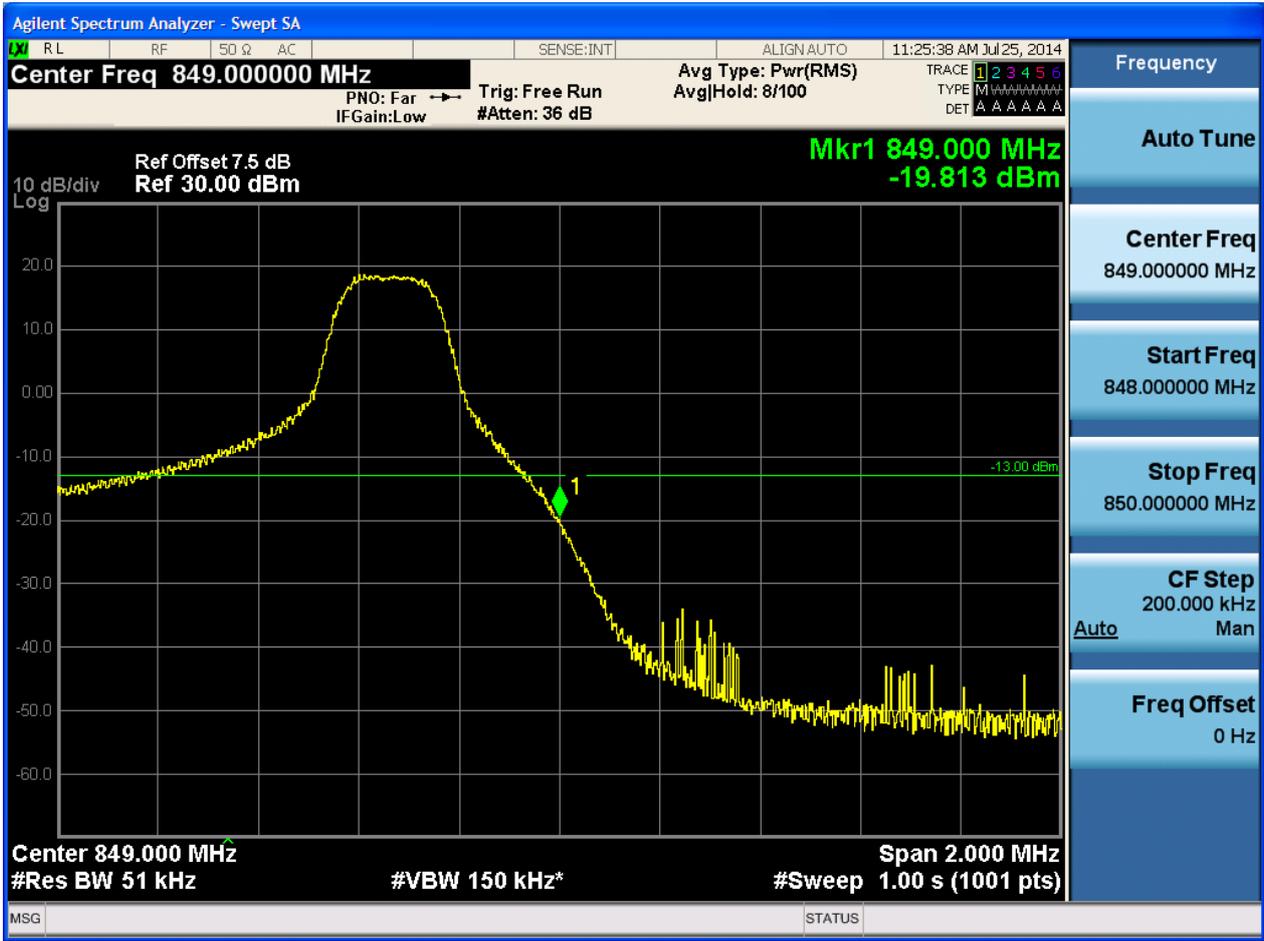## 5.1.1.1.3.1.4 Test RB = RB25#0
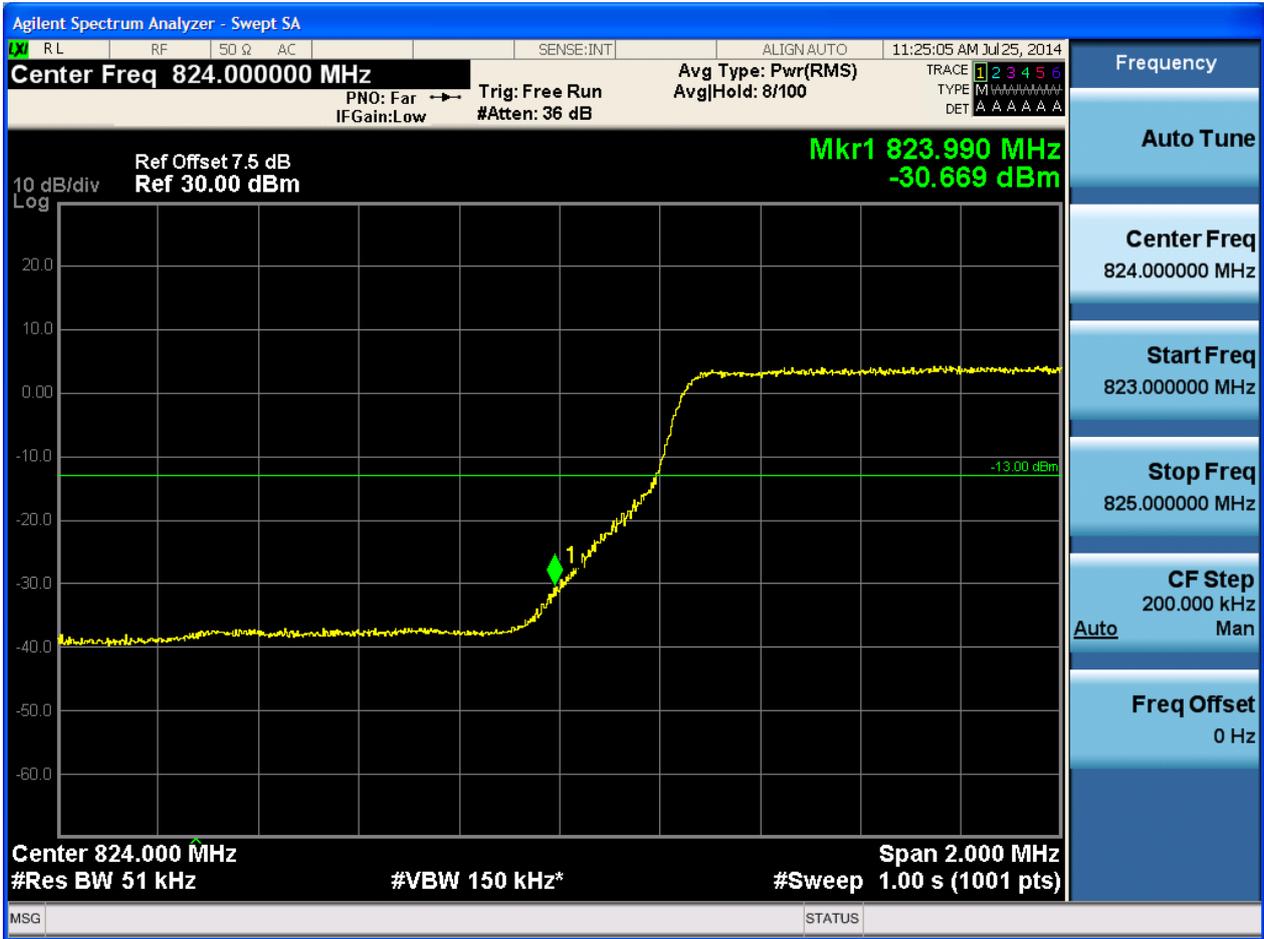
5.1.1.1.3.2 Test Channel = HCH

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