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
				RB6#0	21.69	17.08	50	PASS
			MCH	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
			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
		15		RB1#0	23.51	18.9	50	PASS
				RB1#38	23.43	18.82	50	PASS
				RB1#74	23.14	18.53	50	PASS
			MCH	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
			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
		10	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
			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
		15		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,

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
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
			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
		5	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
				RB50#0	5.78	13	PASS
			MCH	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
			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
		15	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
			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
		15	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
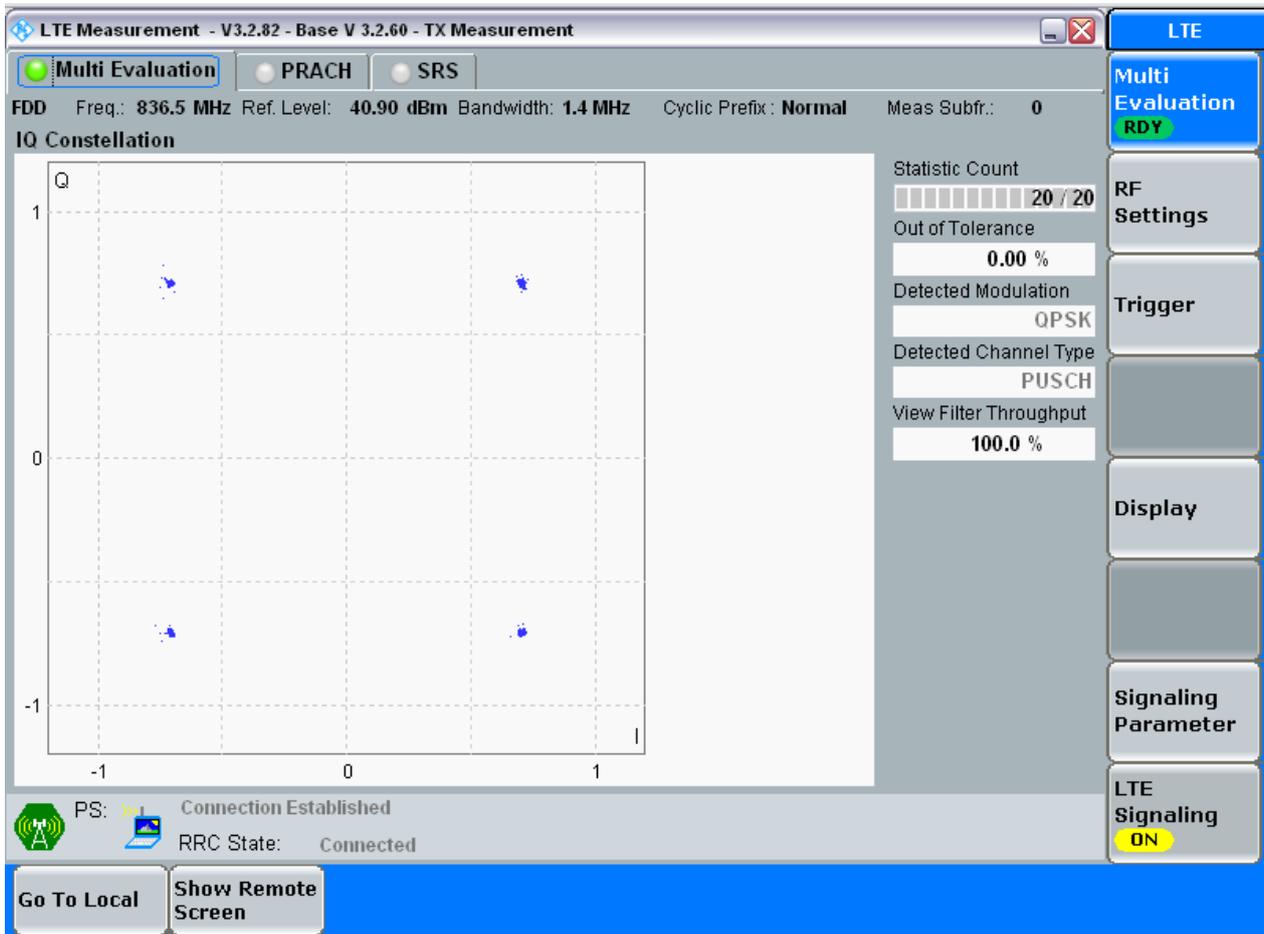
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

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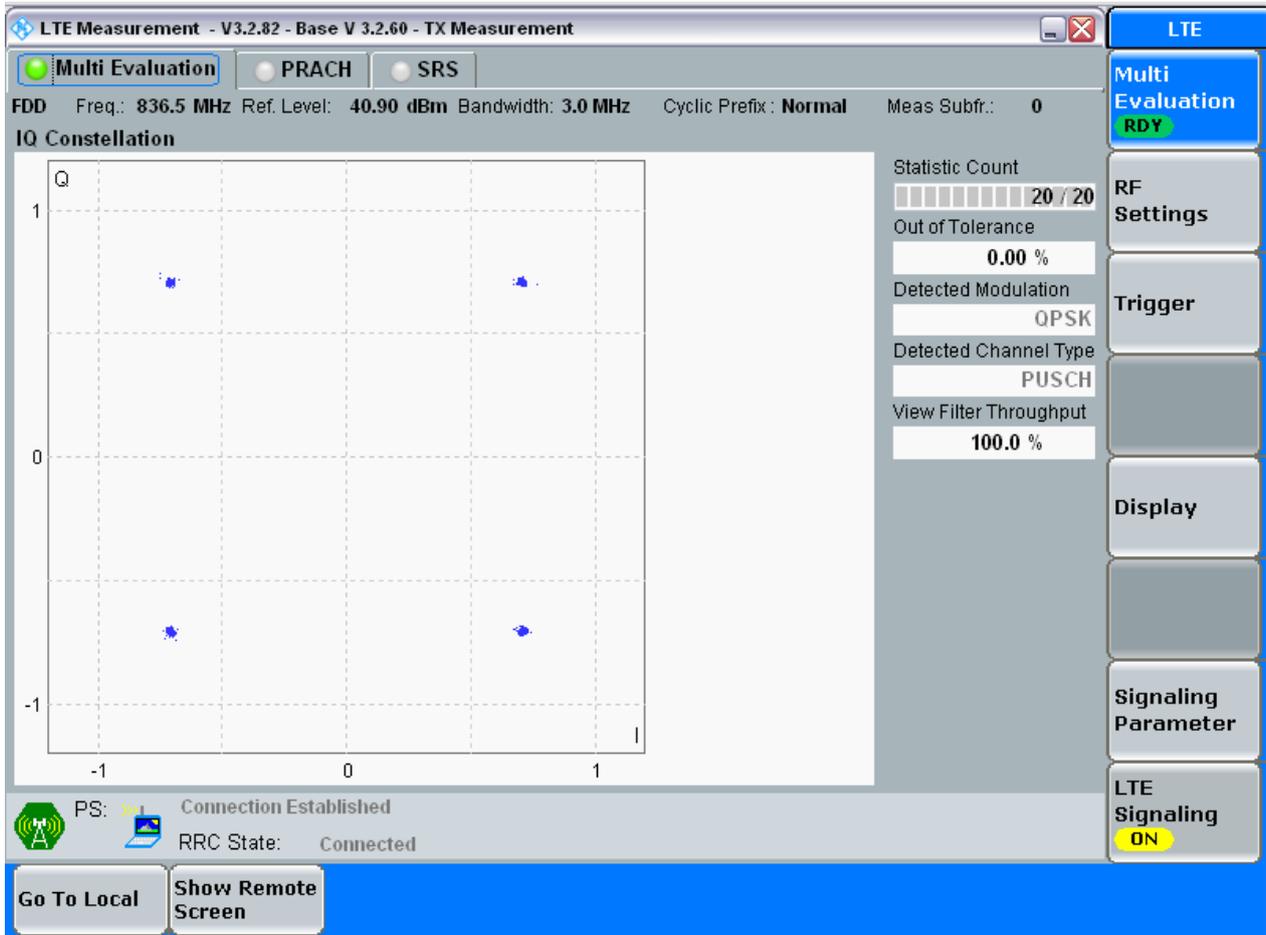
3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

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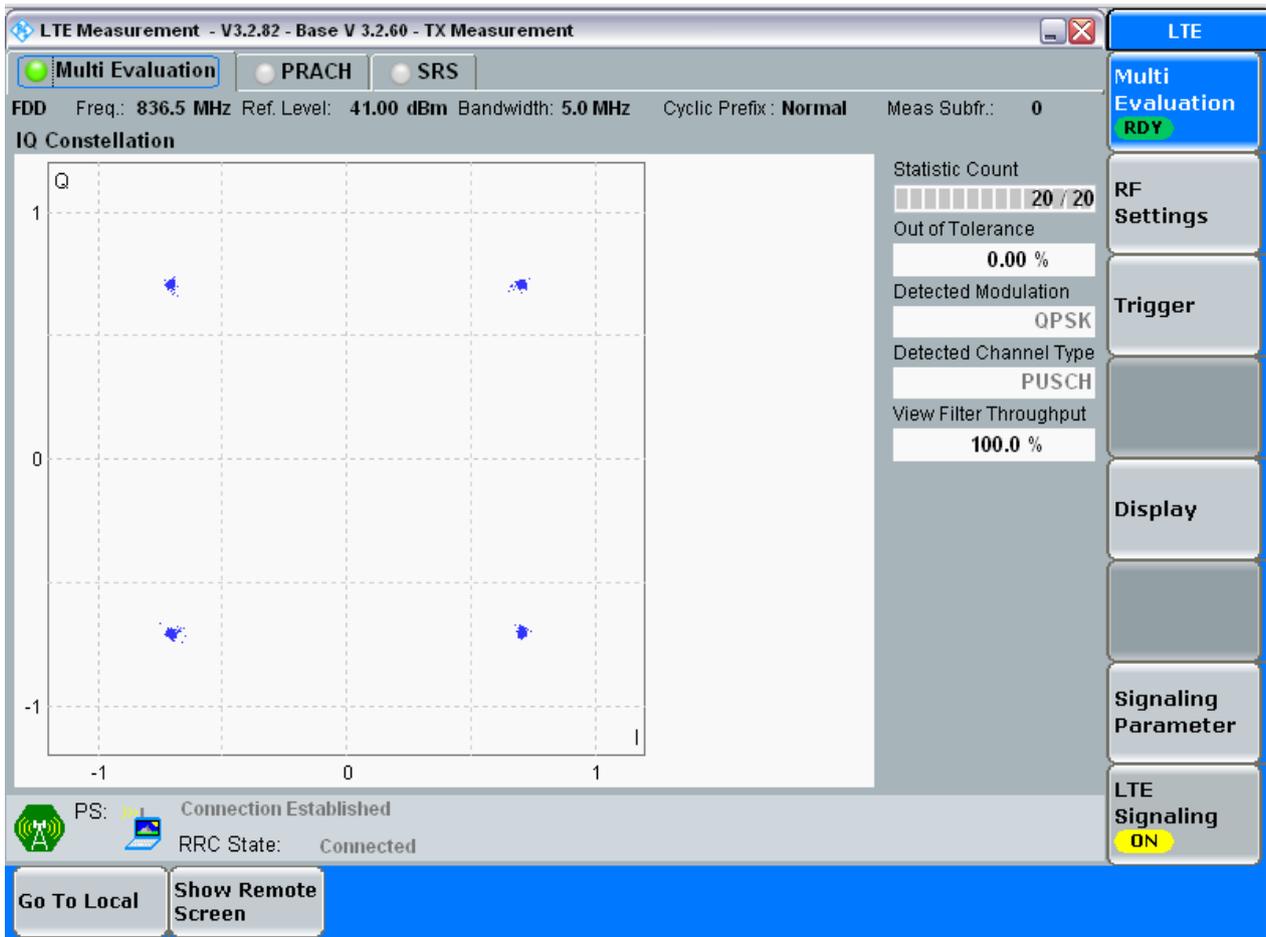
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0
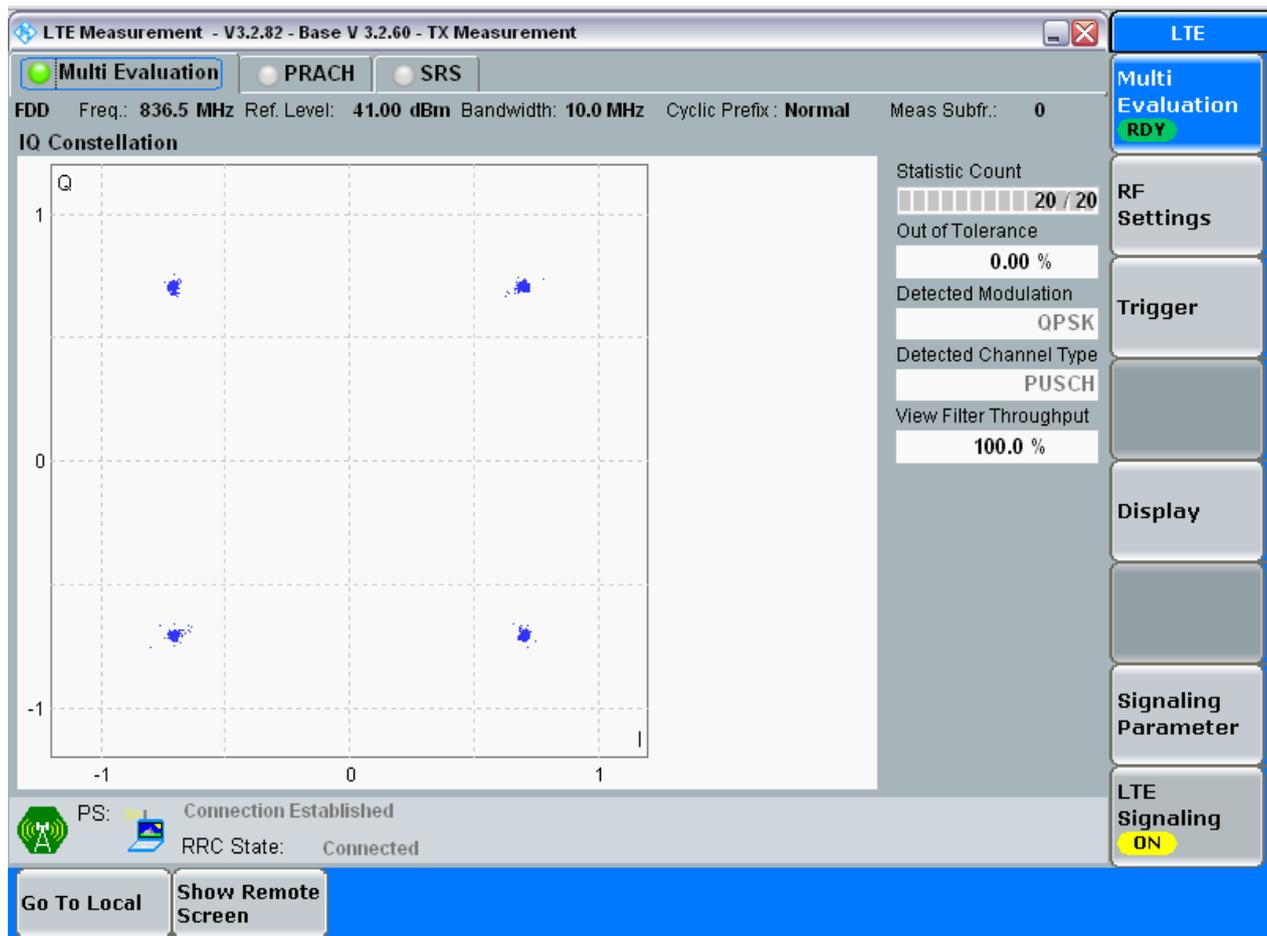
3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

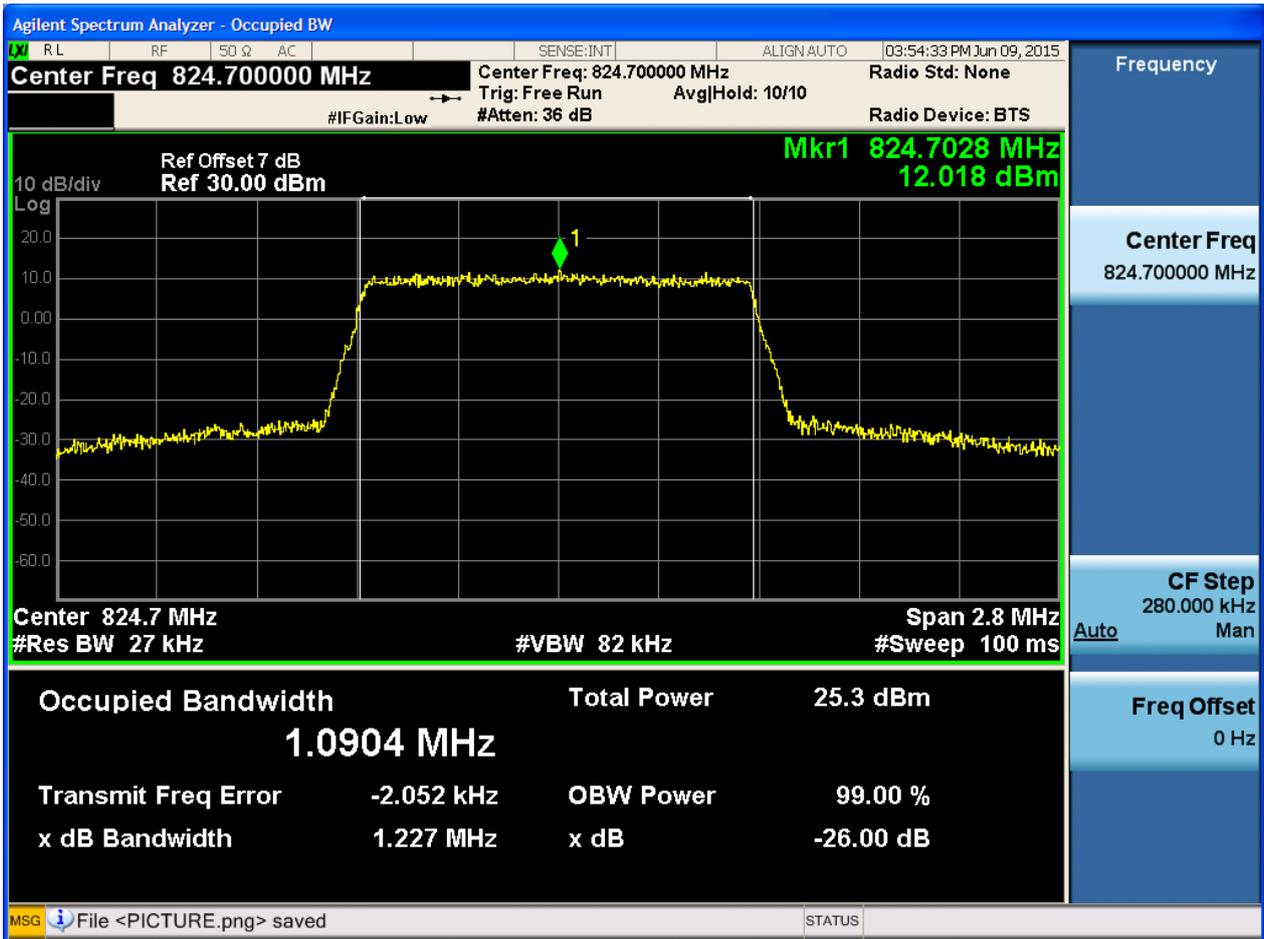### 3.1.1.1.5.1.1 Test RB = RB75#0
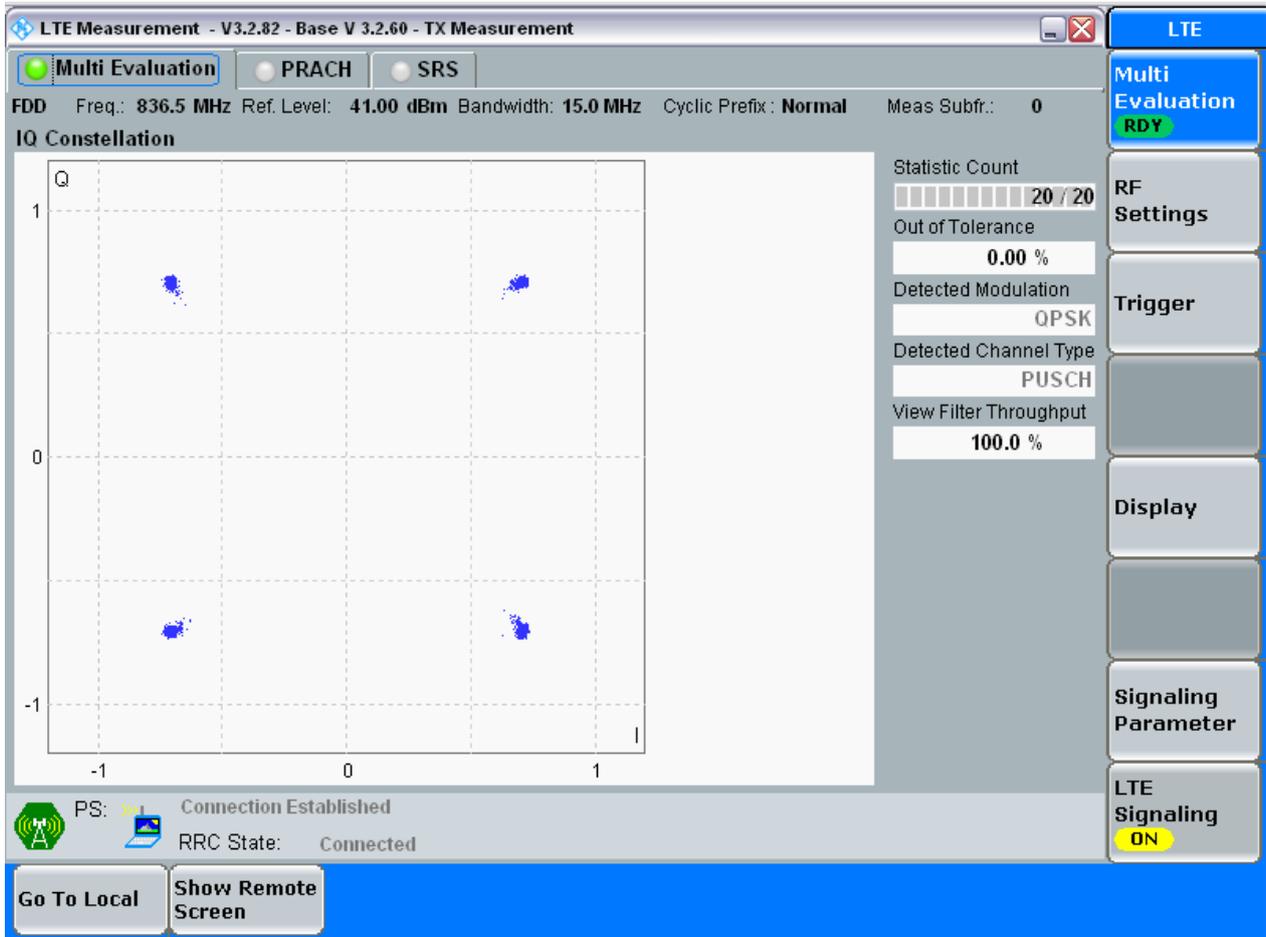
3.1.1.2 Test Mode = LTE/TM2

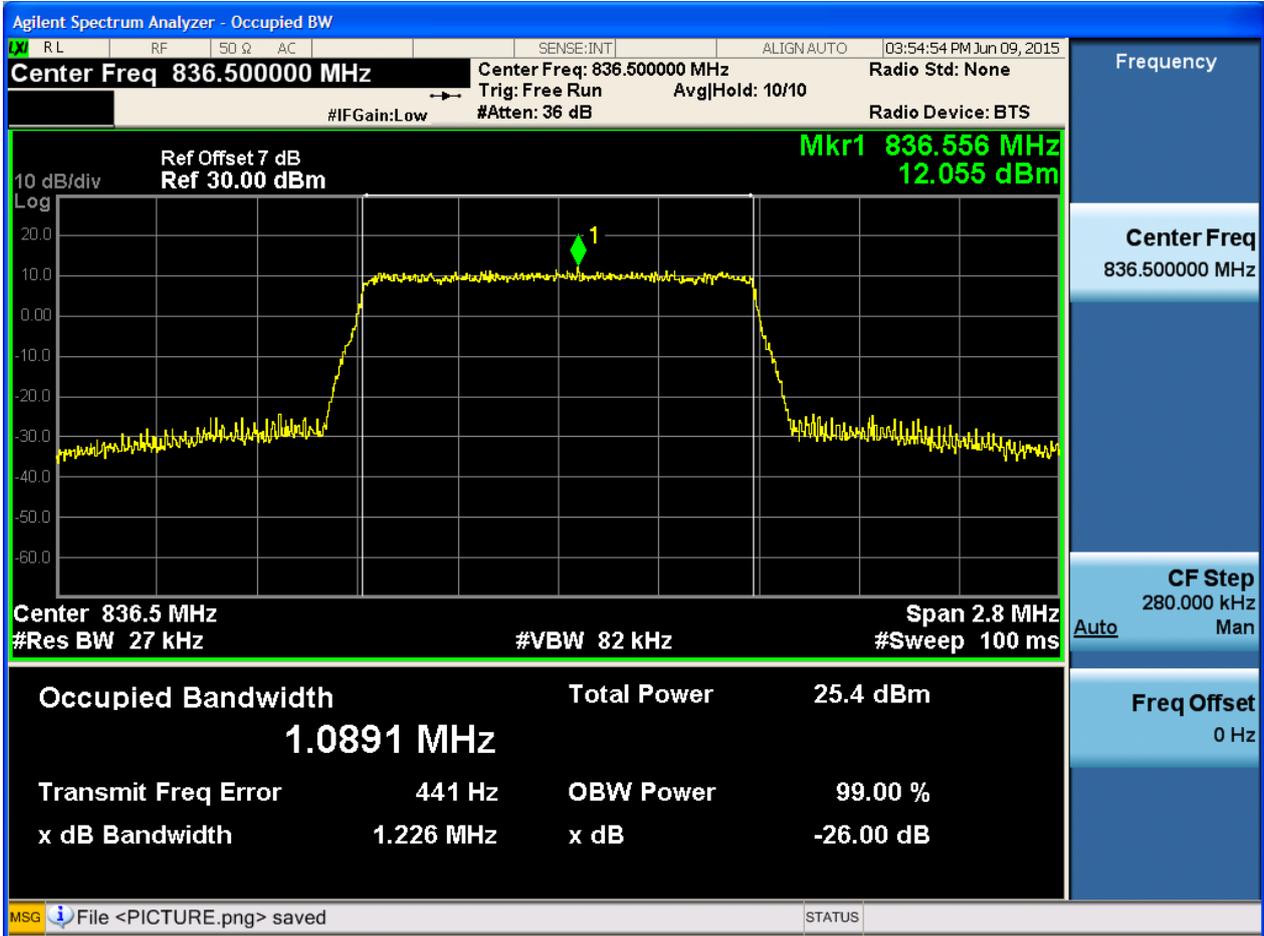### 3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

3.1.1.2.1.1.1 Test RB = RB6#0
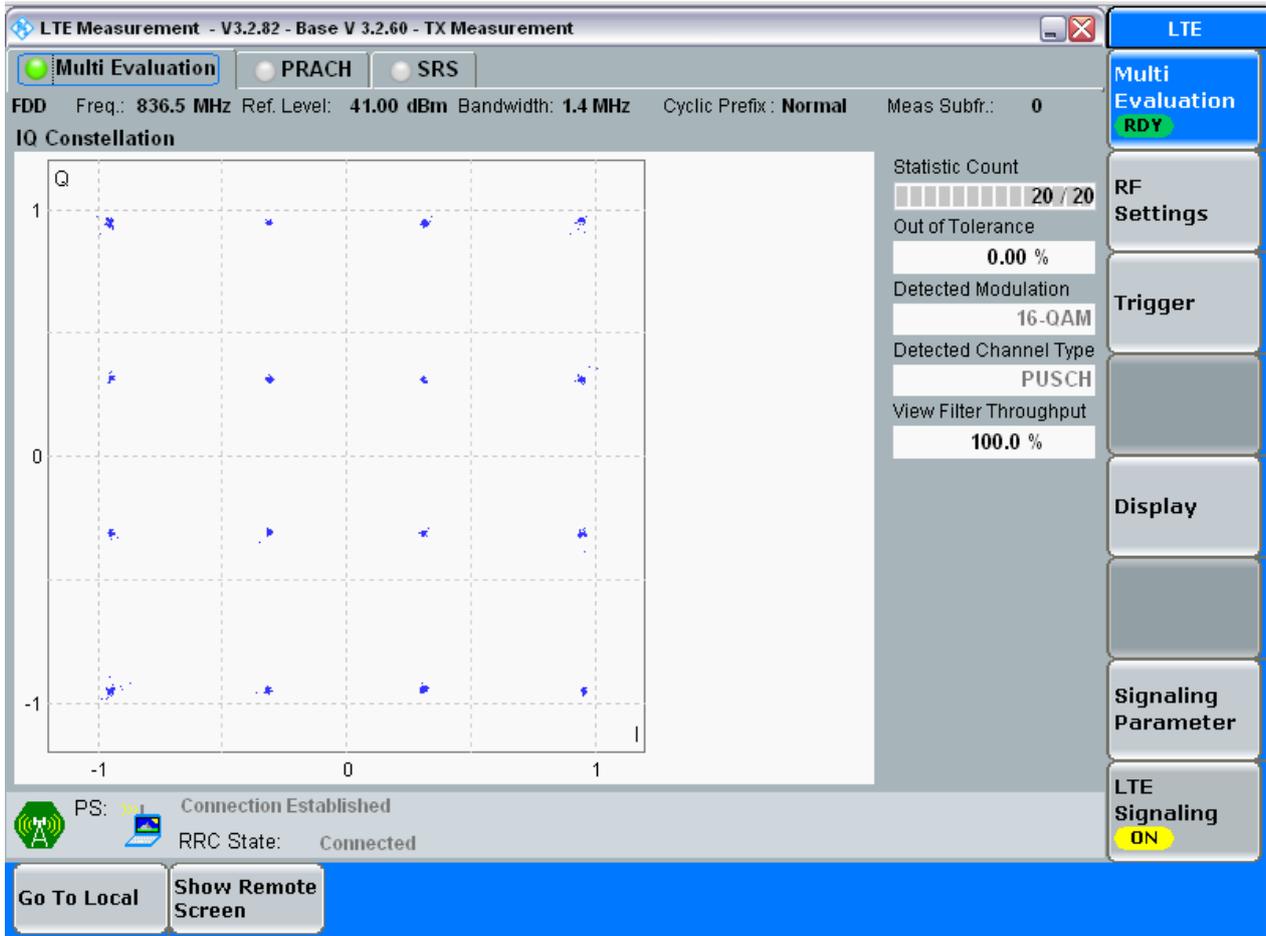
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

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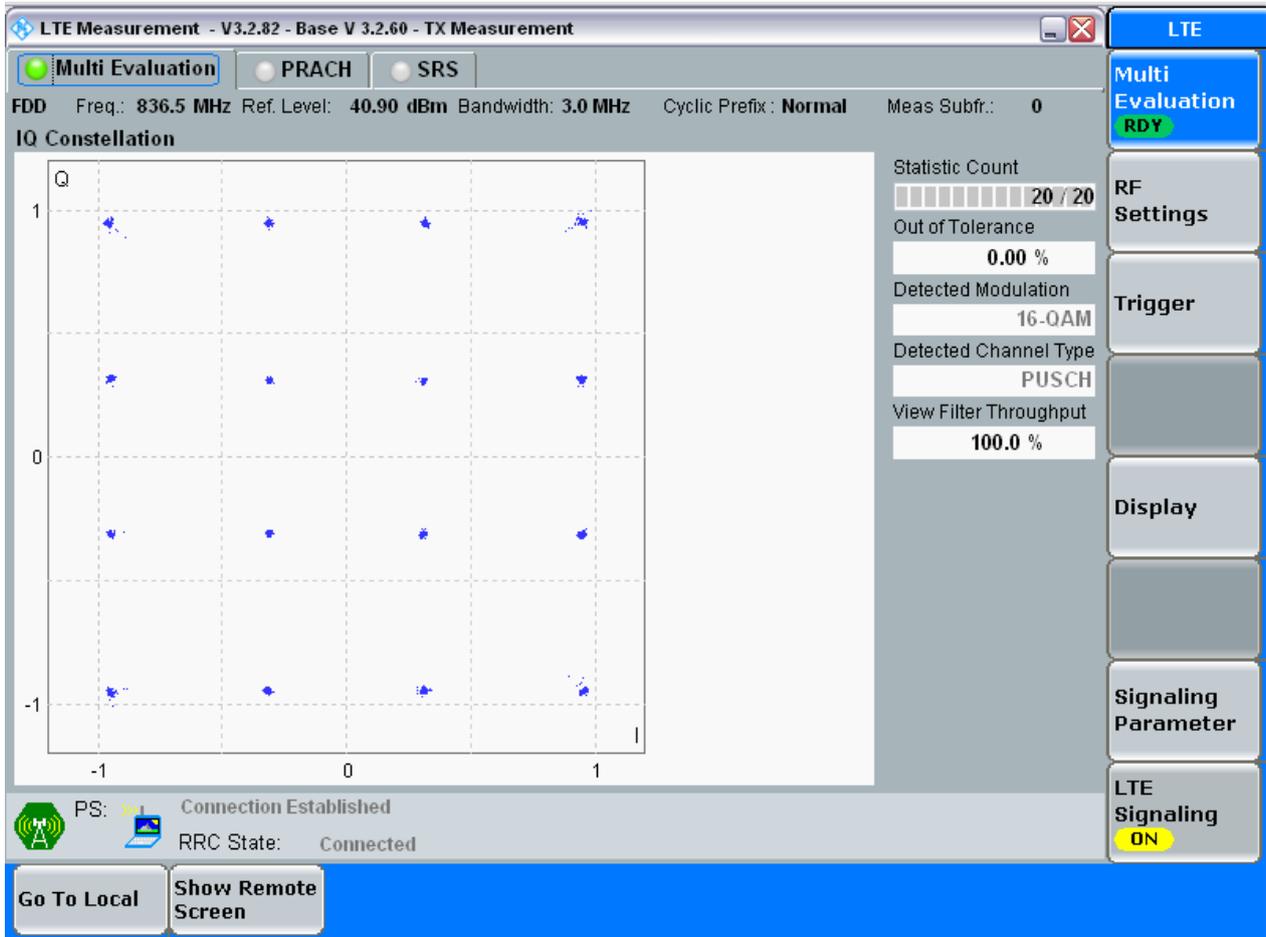
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

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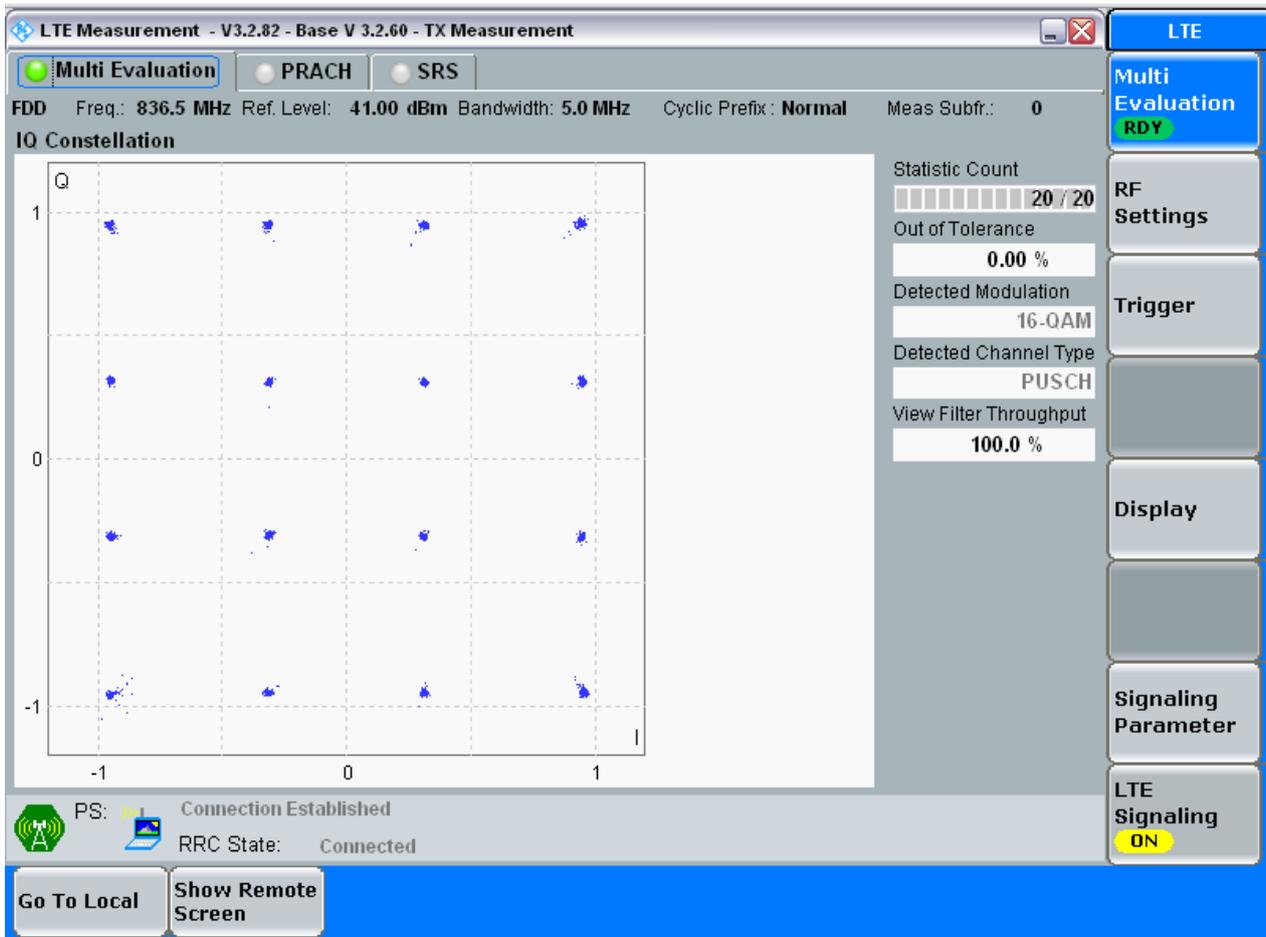
3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0
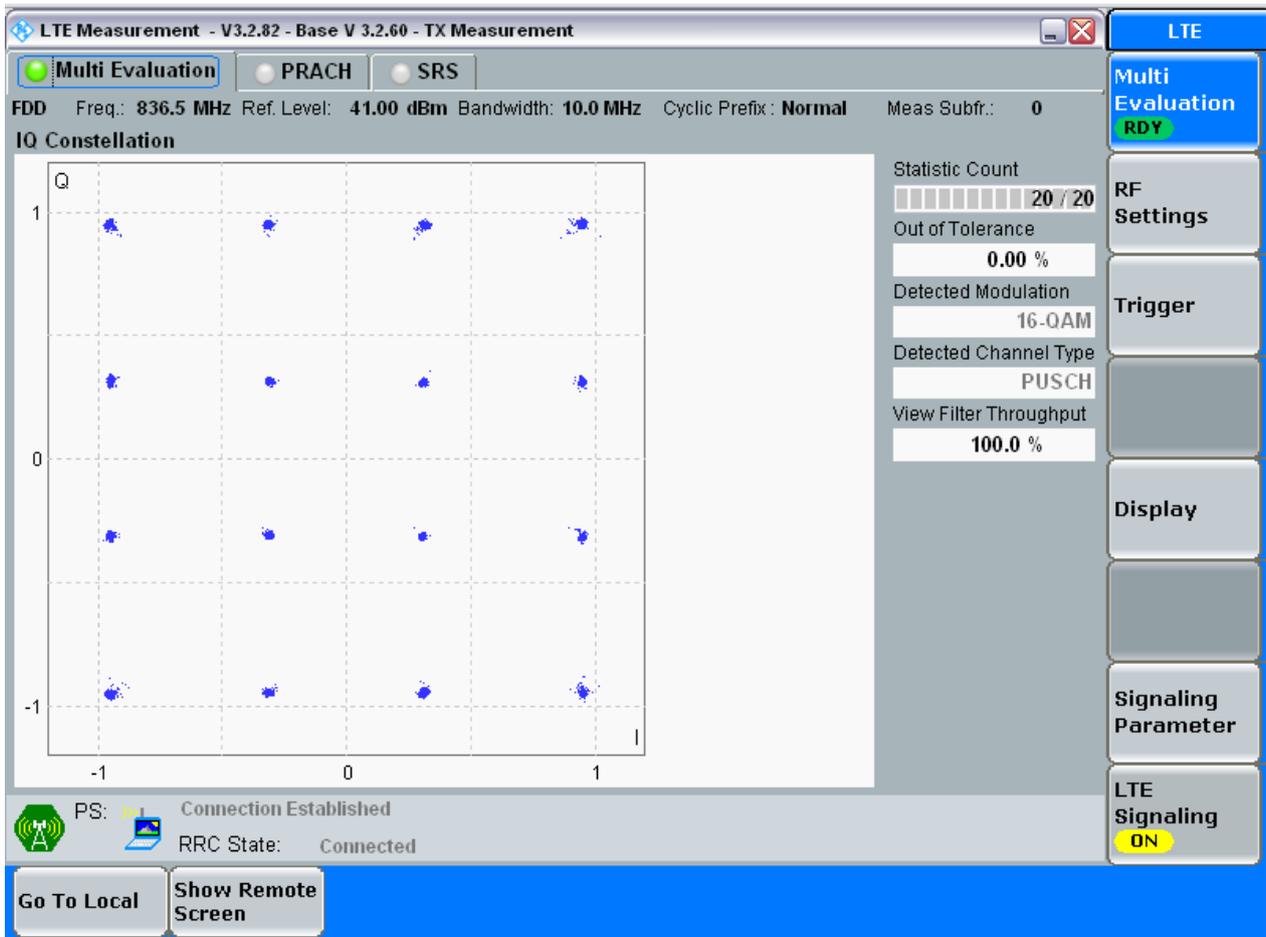
3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

3.1.1.2.5.1.1 Test RB = RB75#0
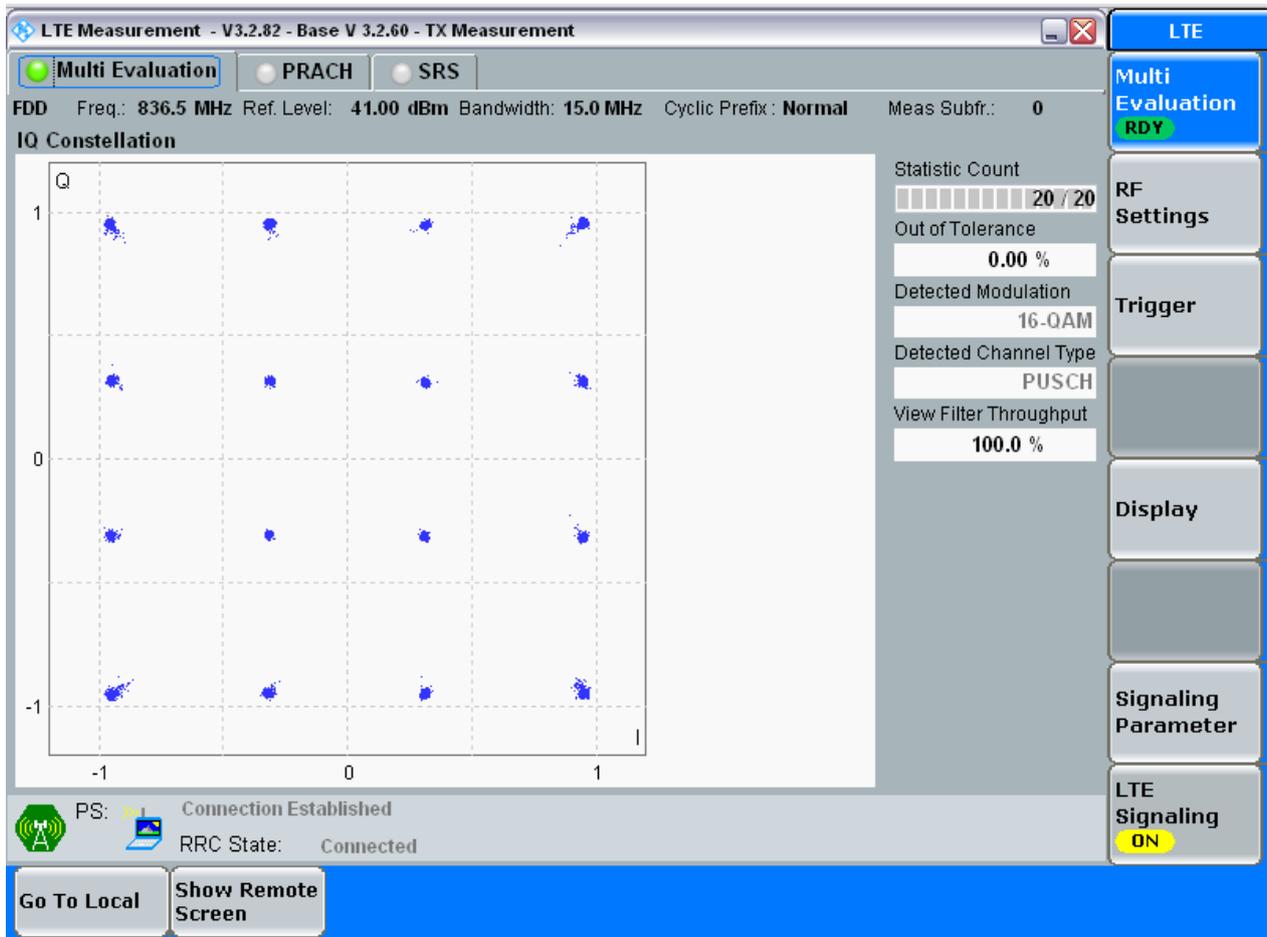
4Appendix_D: Bandwidth

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
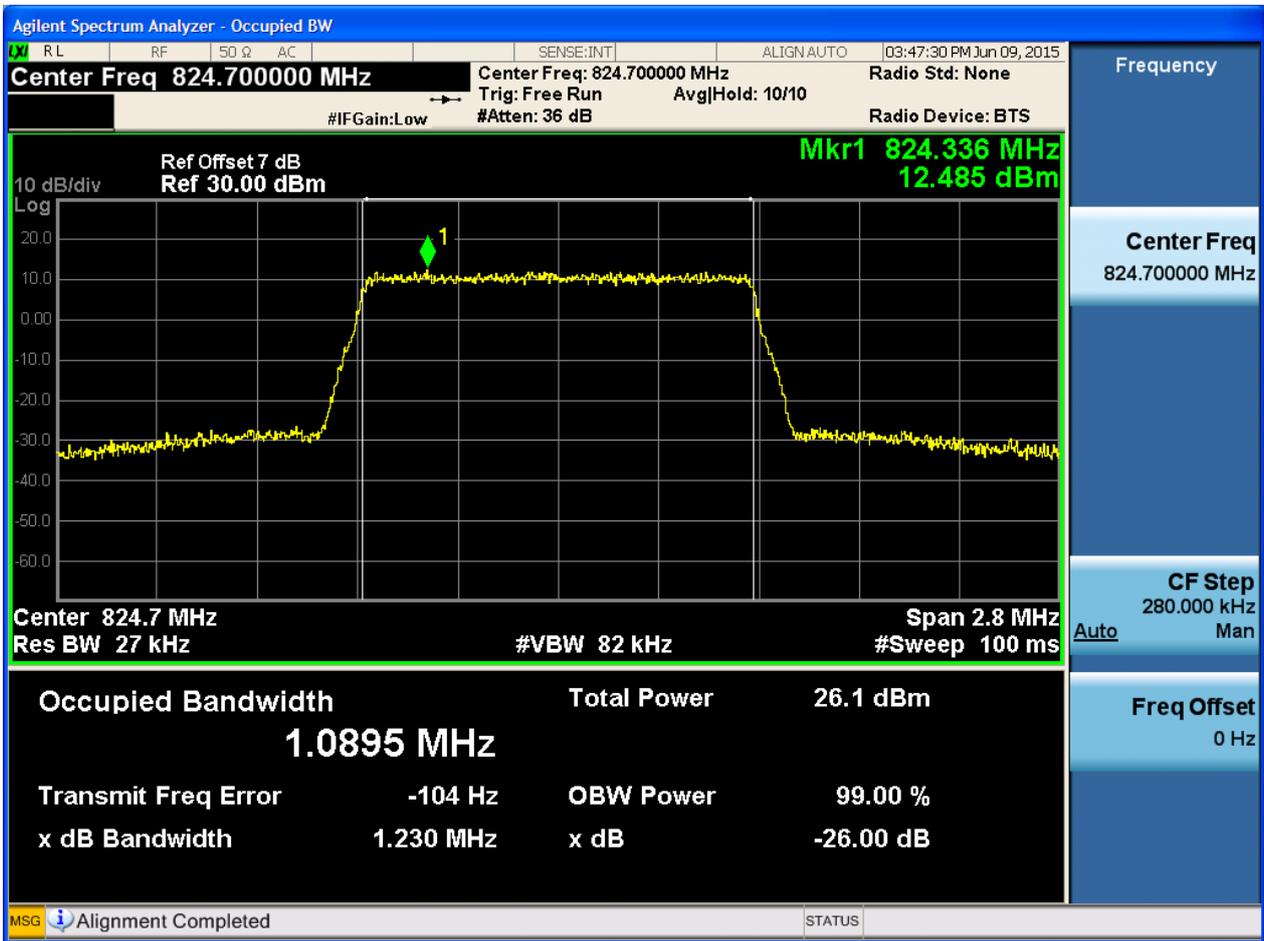
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0
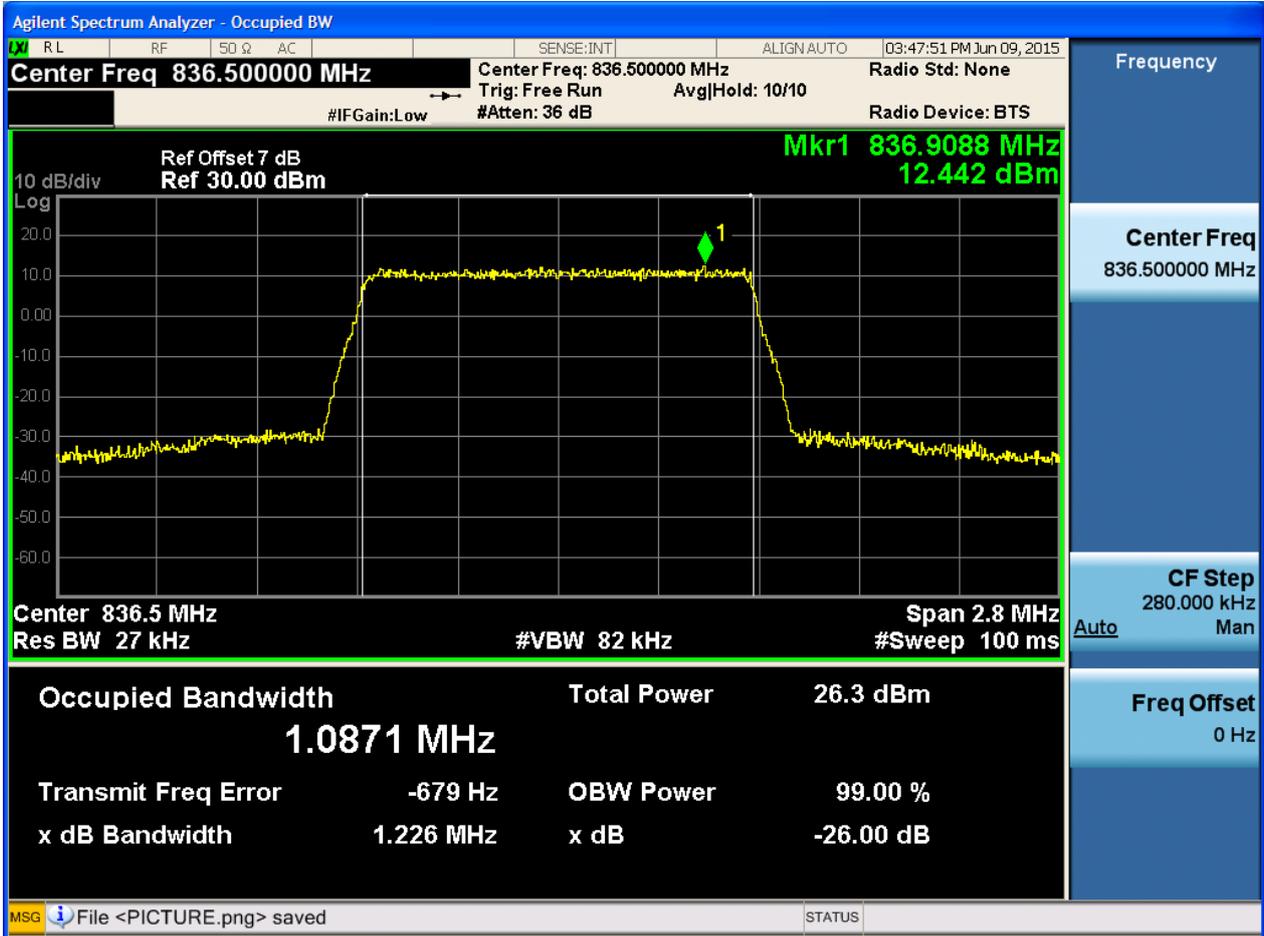
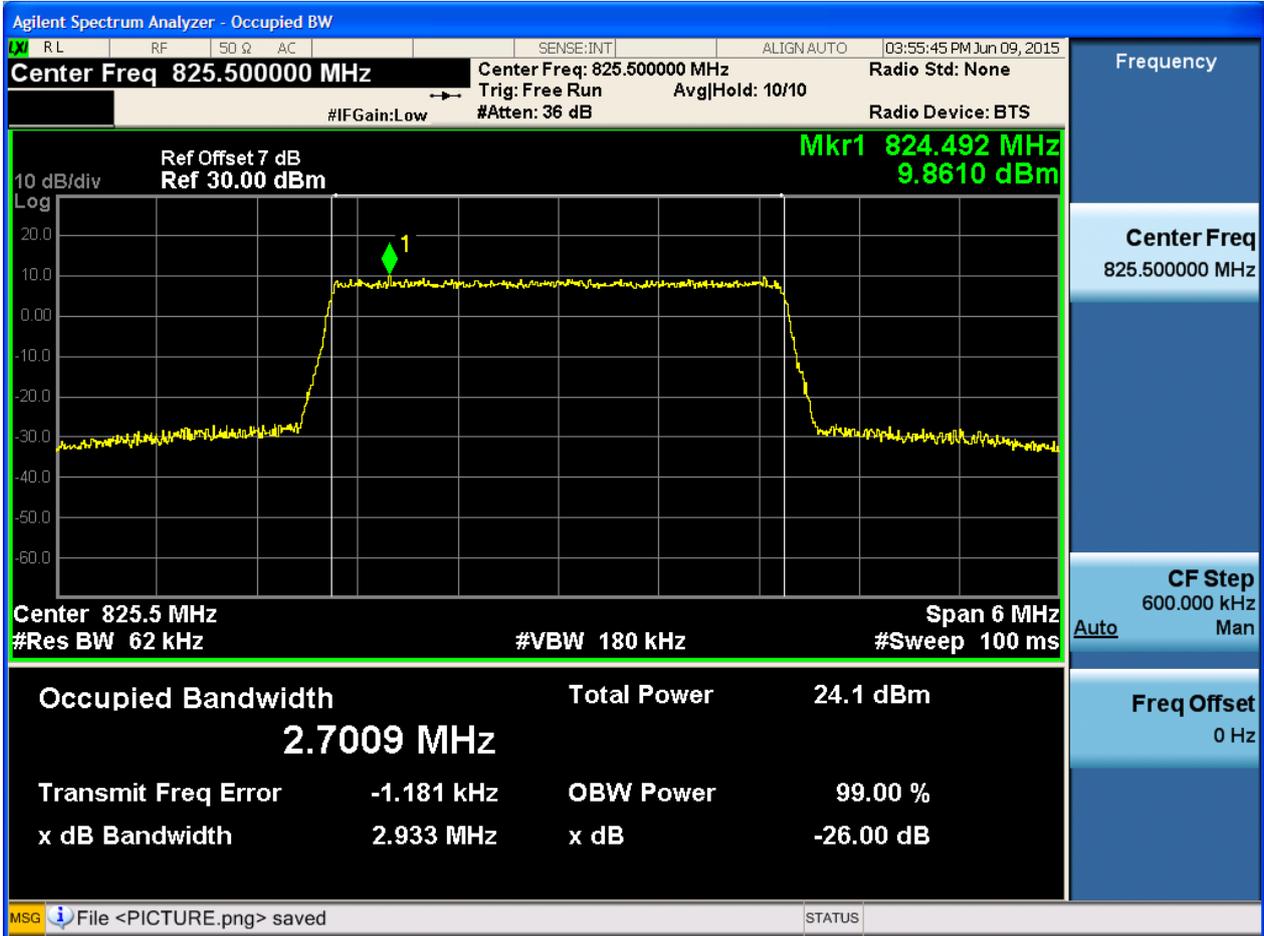### 4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0
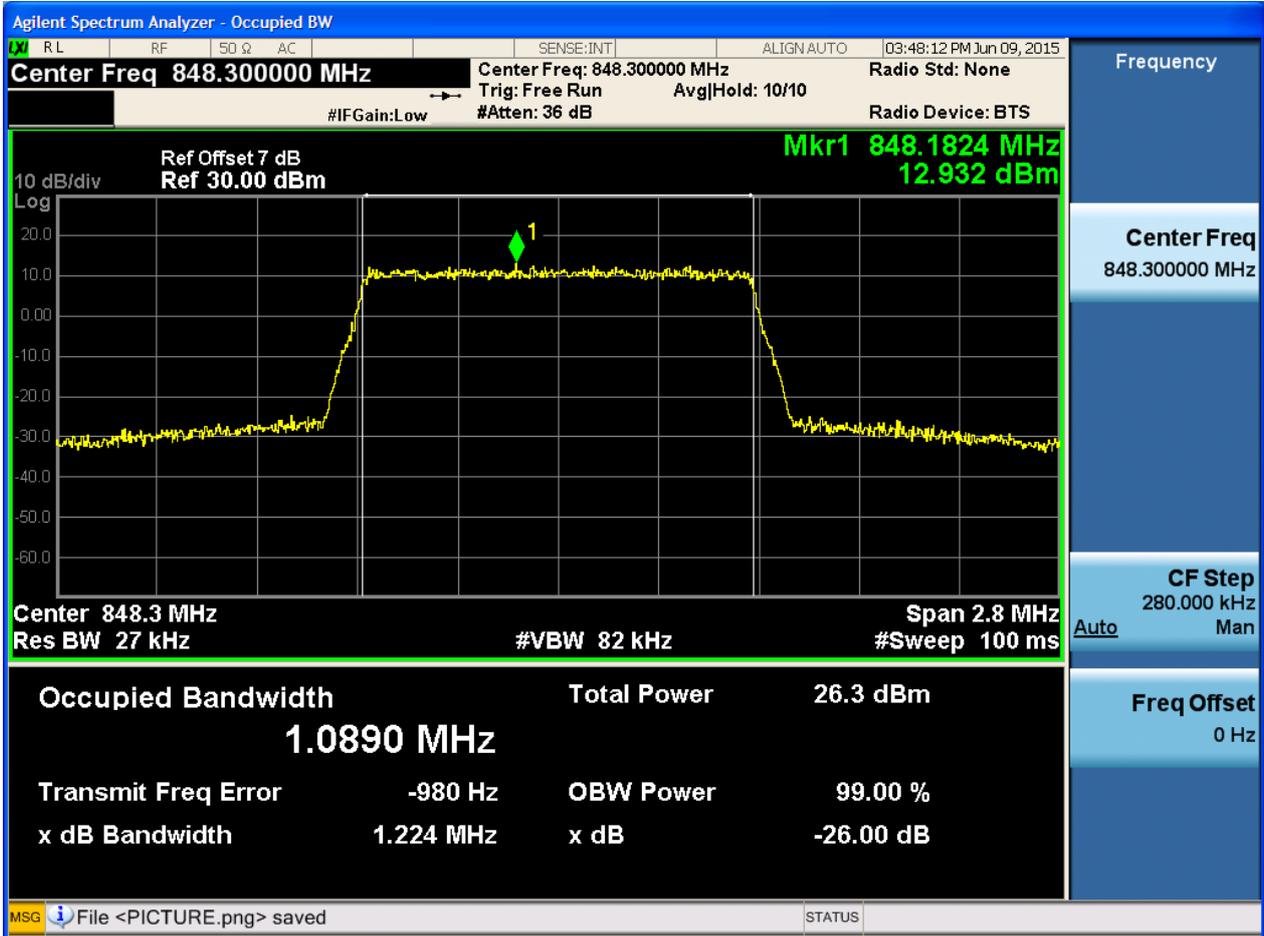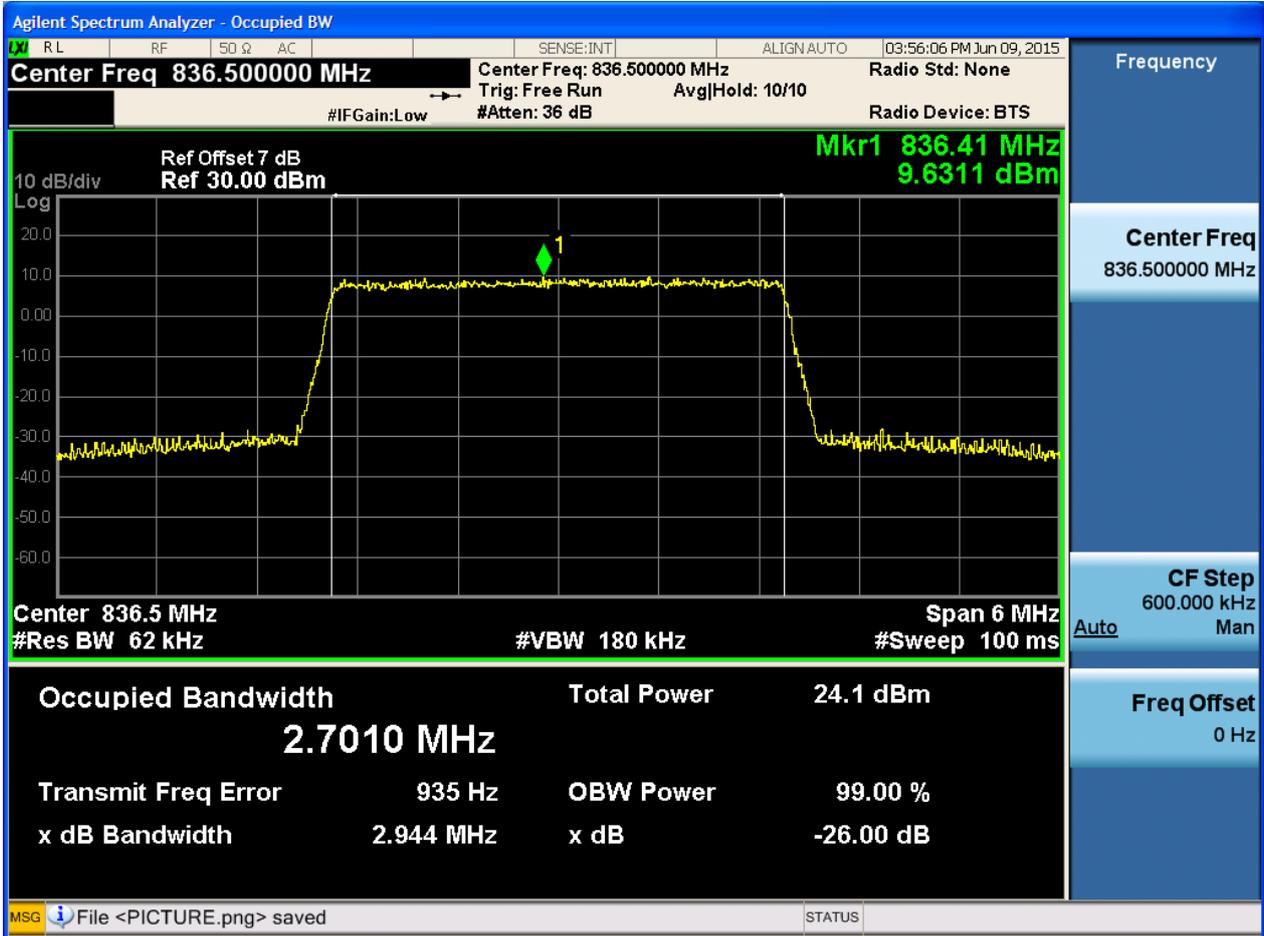
4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0
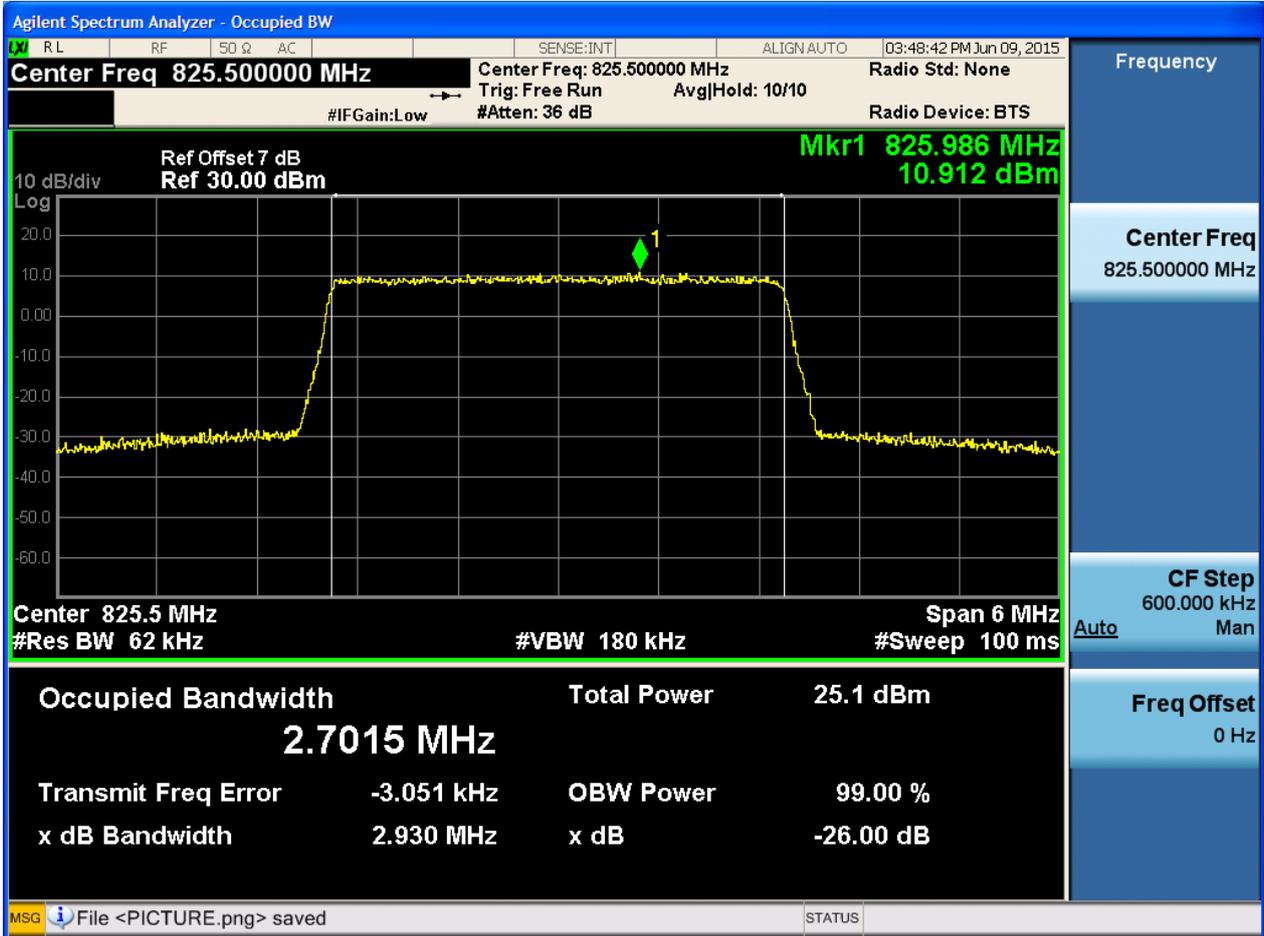
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0
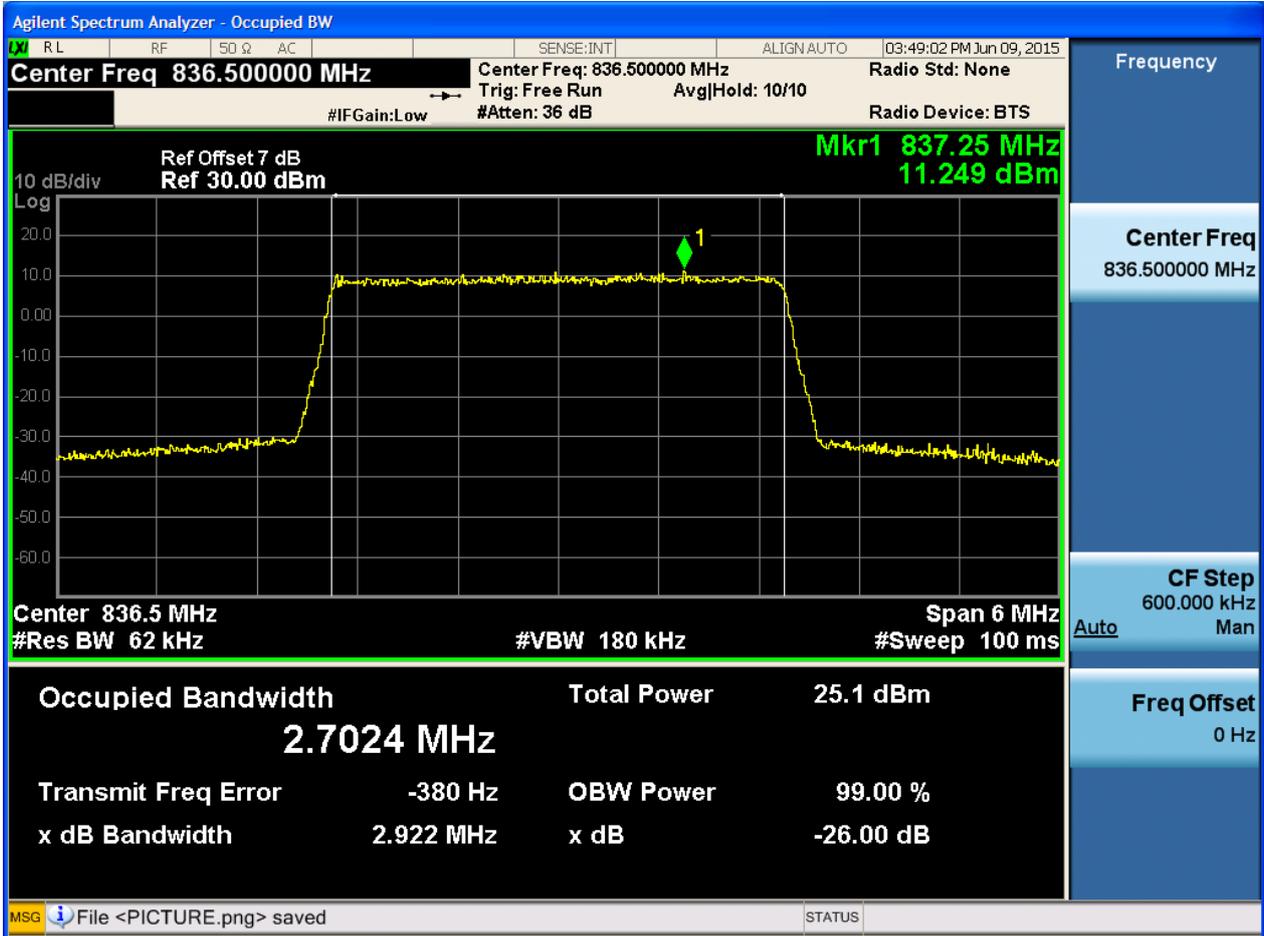
4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0
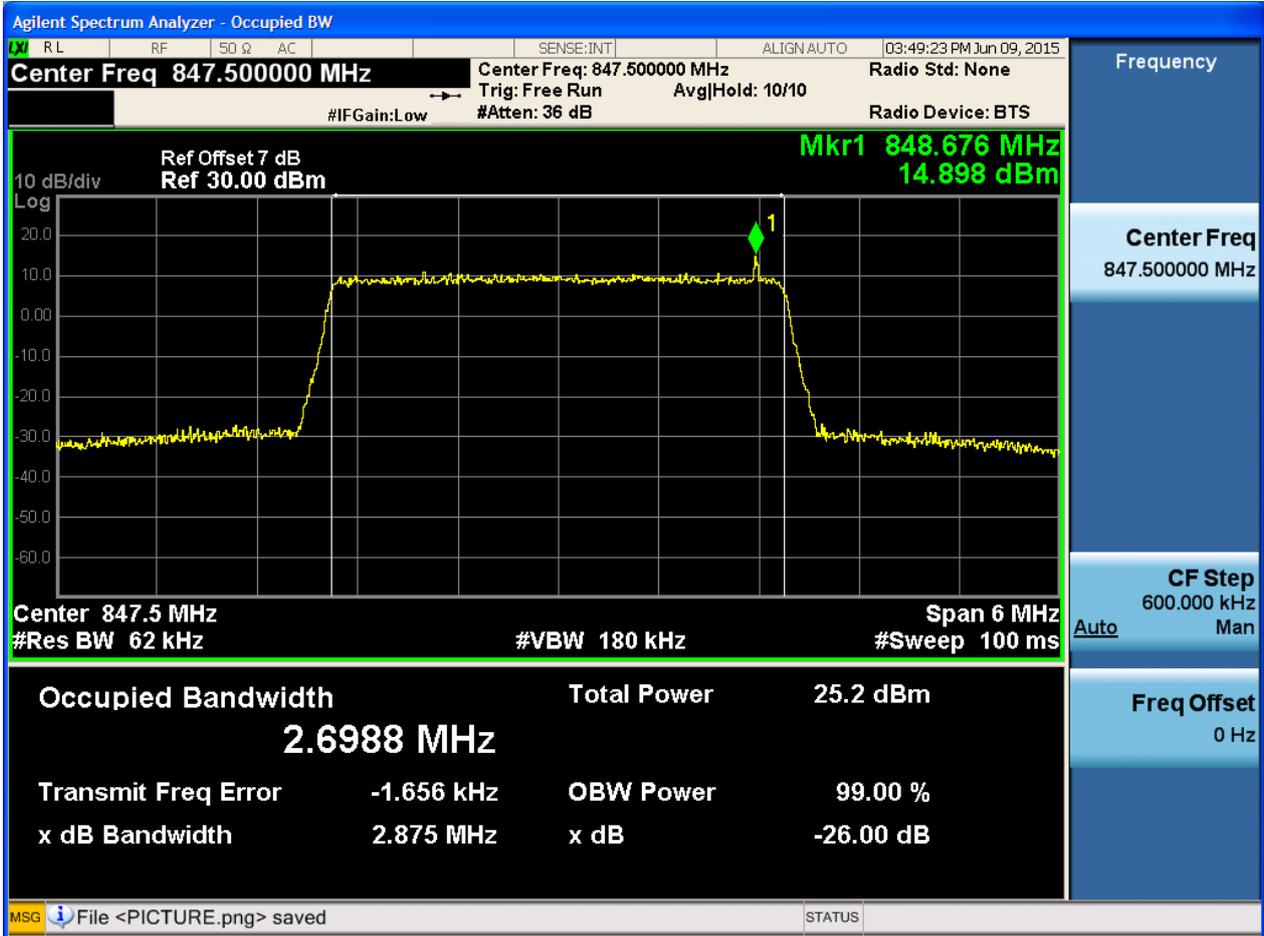
4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0
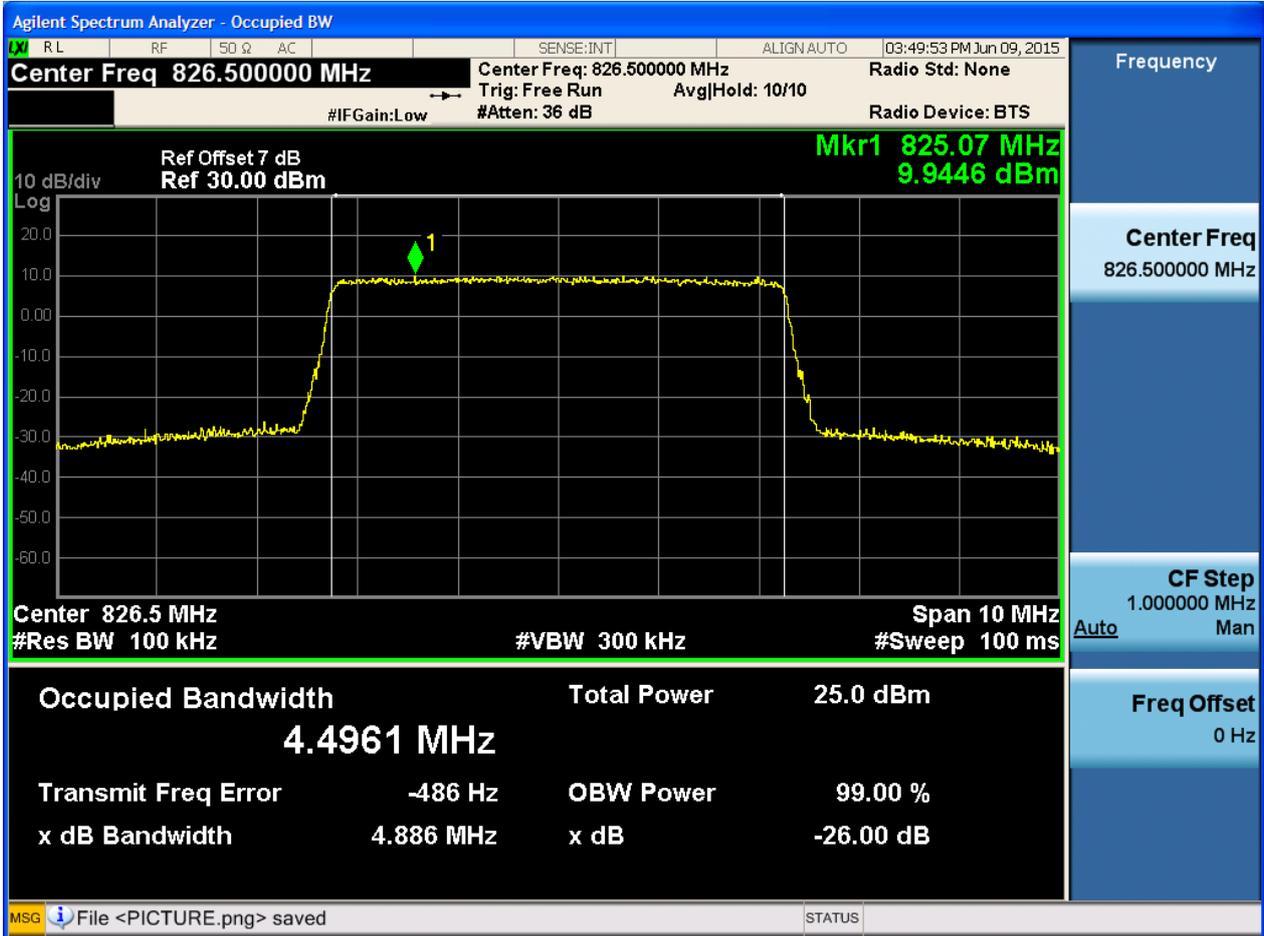
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0
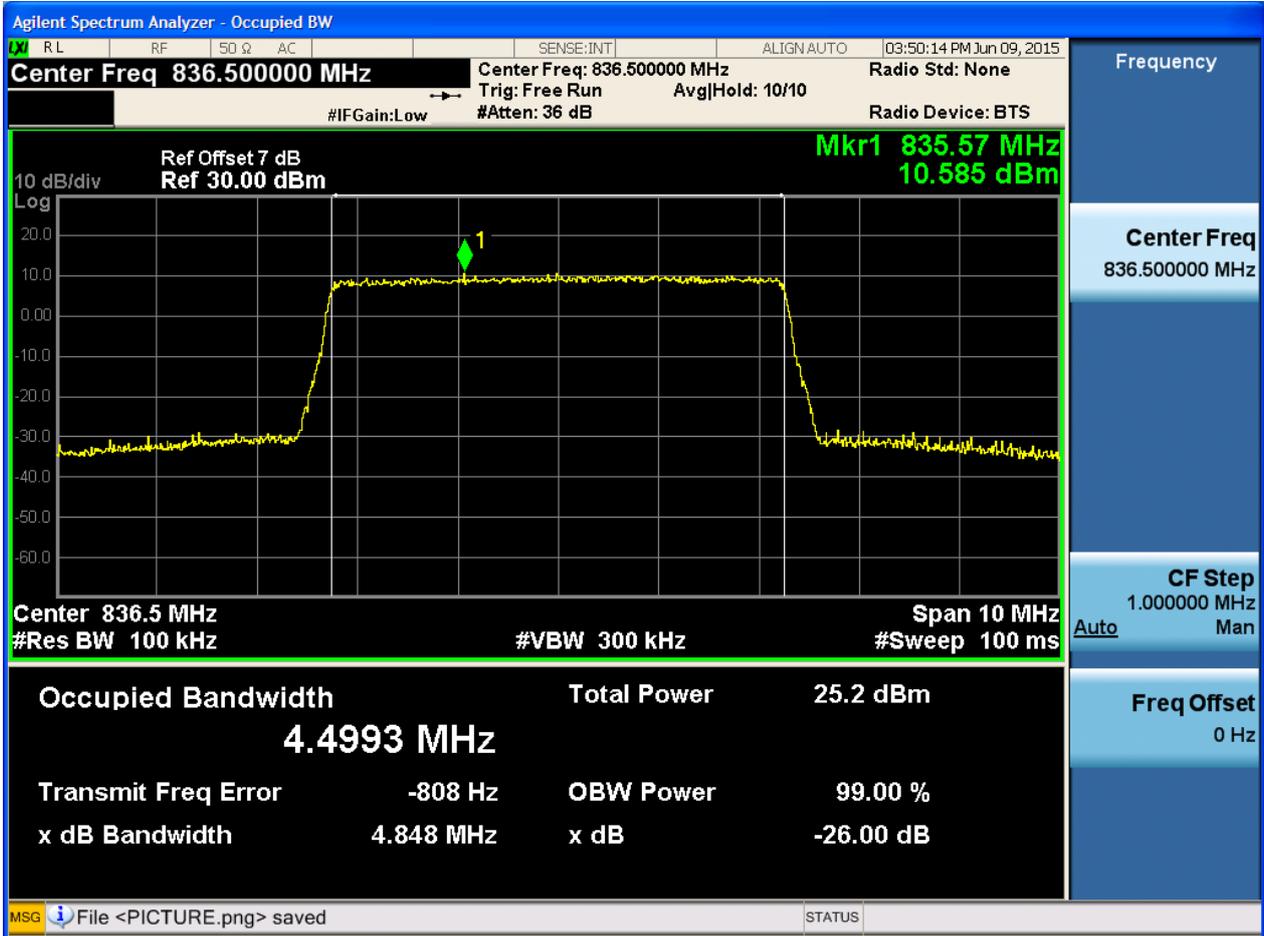
4.1.1.1.3.3 Test Channel = HCH

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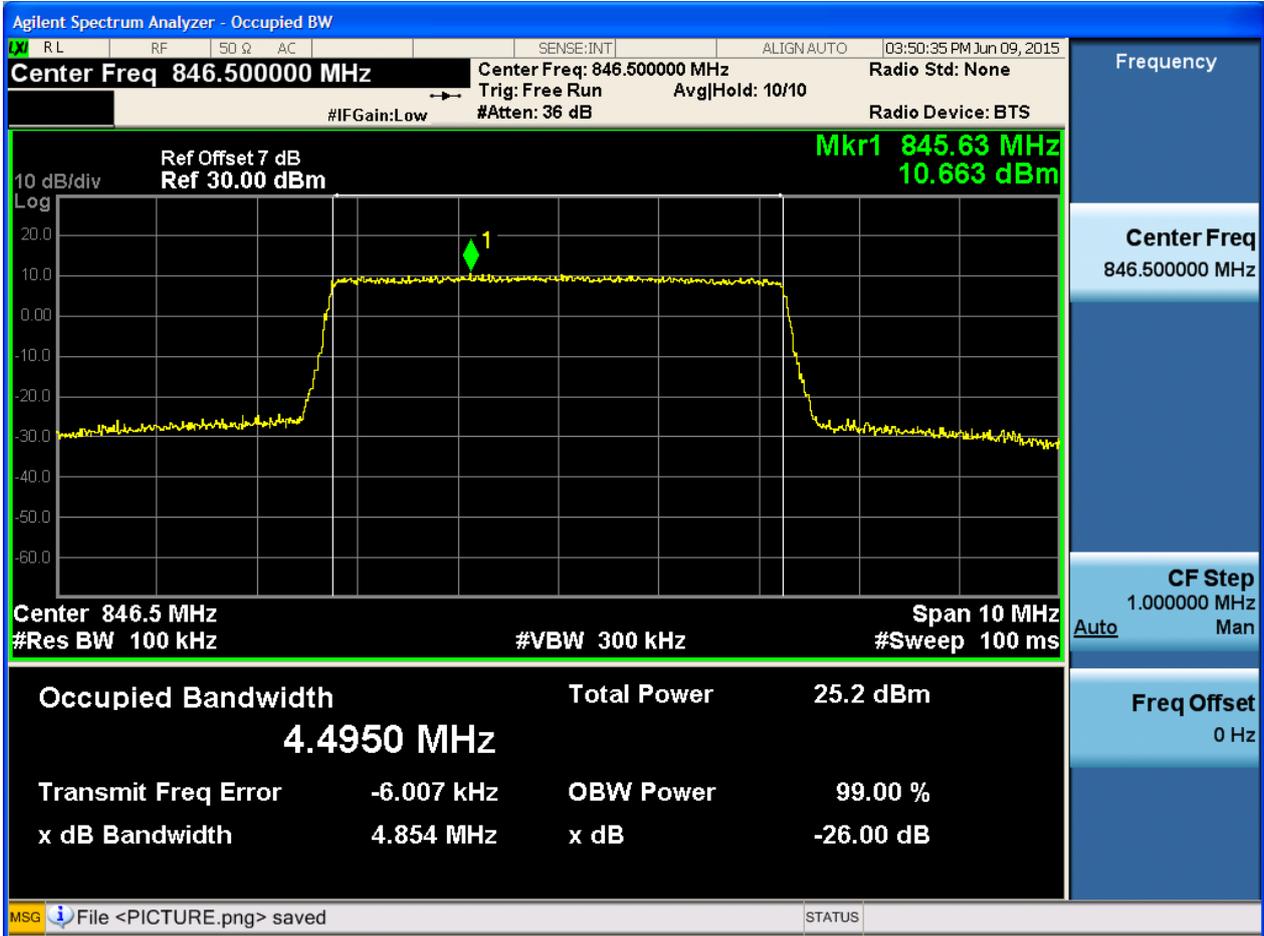
4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

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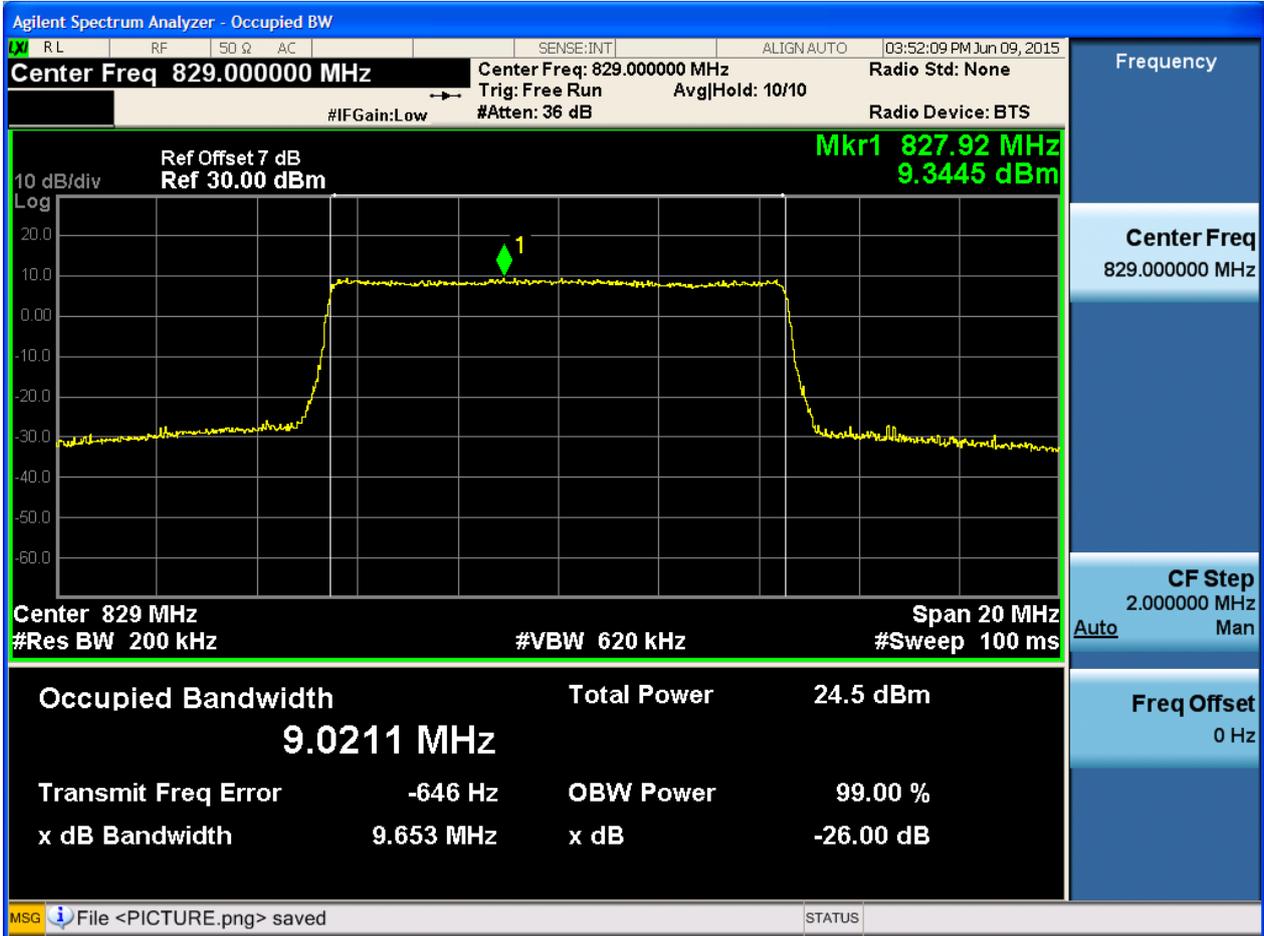
4.1.1.1.4.2 Test Channel = MCH

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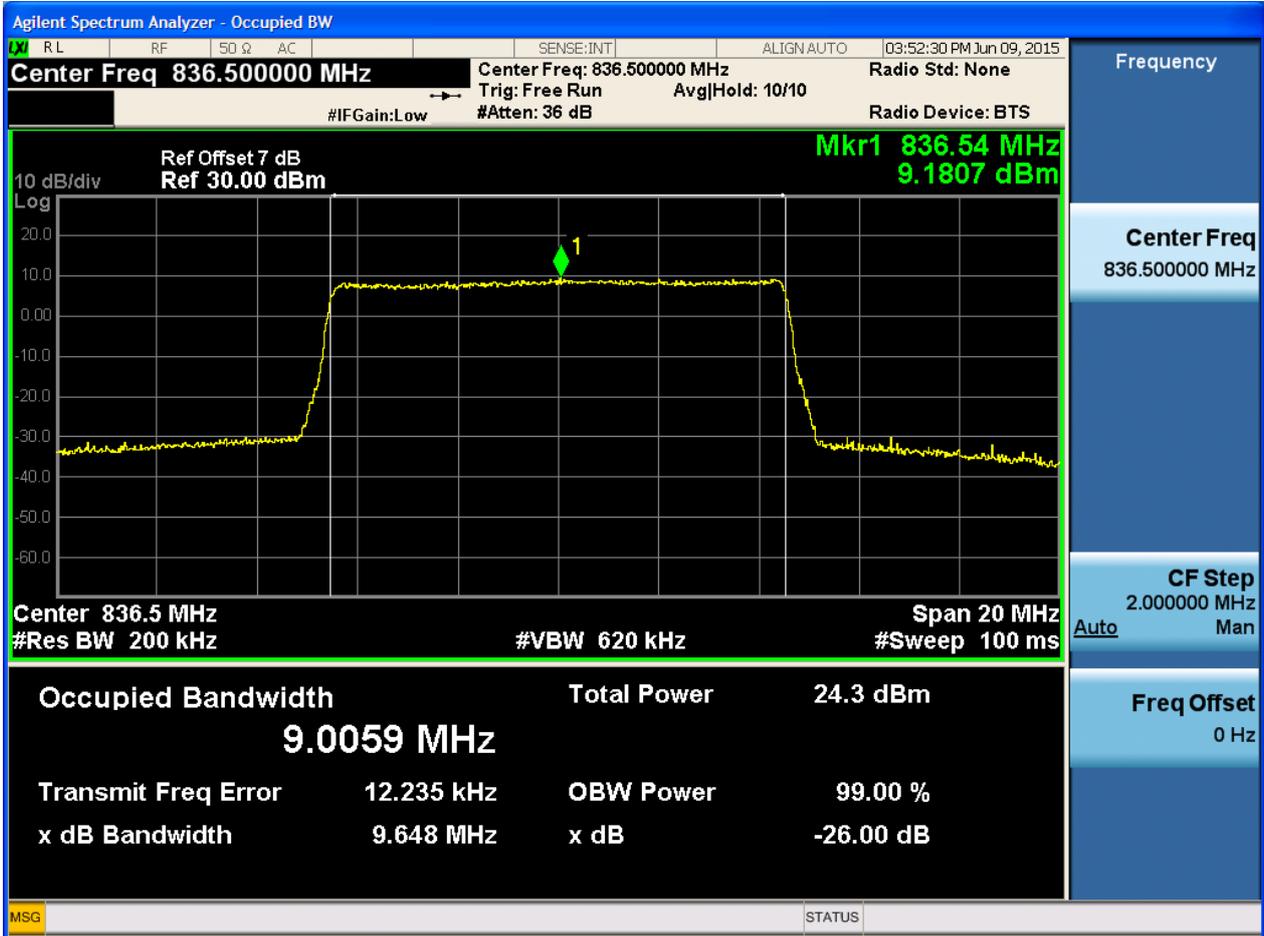
4.1.1.1.4.3 Test Channel = HCH

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
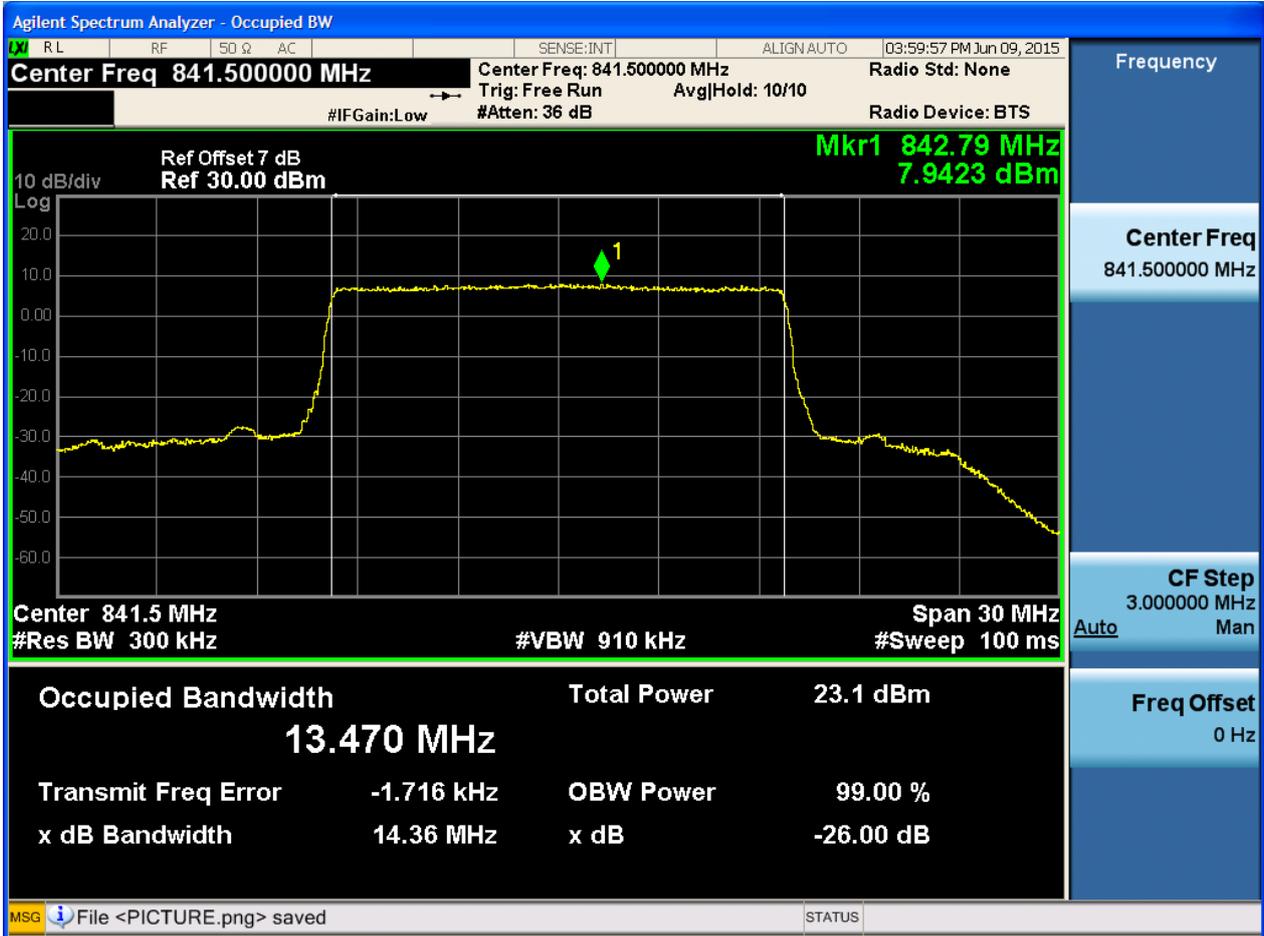
4.1.1.1.5.1.1 Test RB = RB75#0
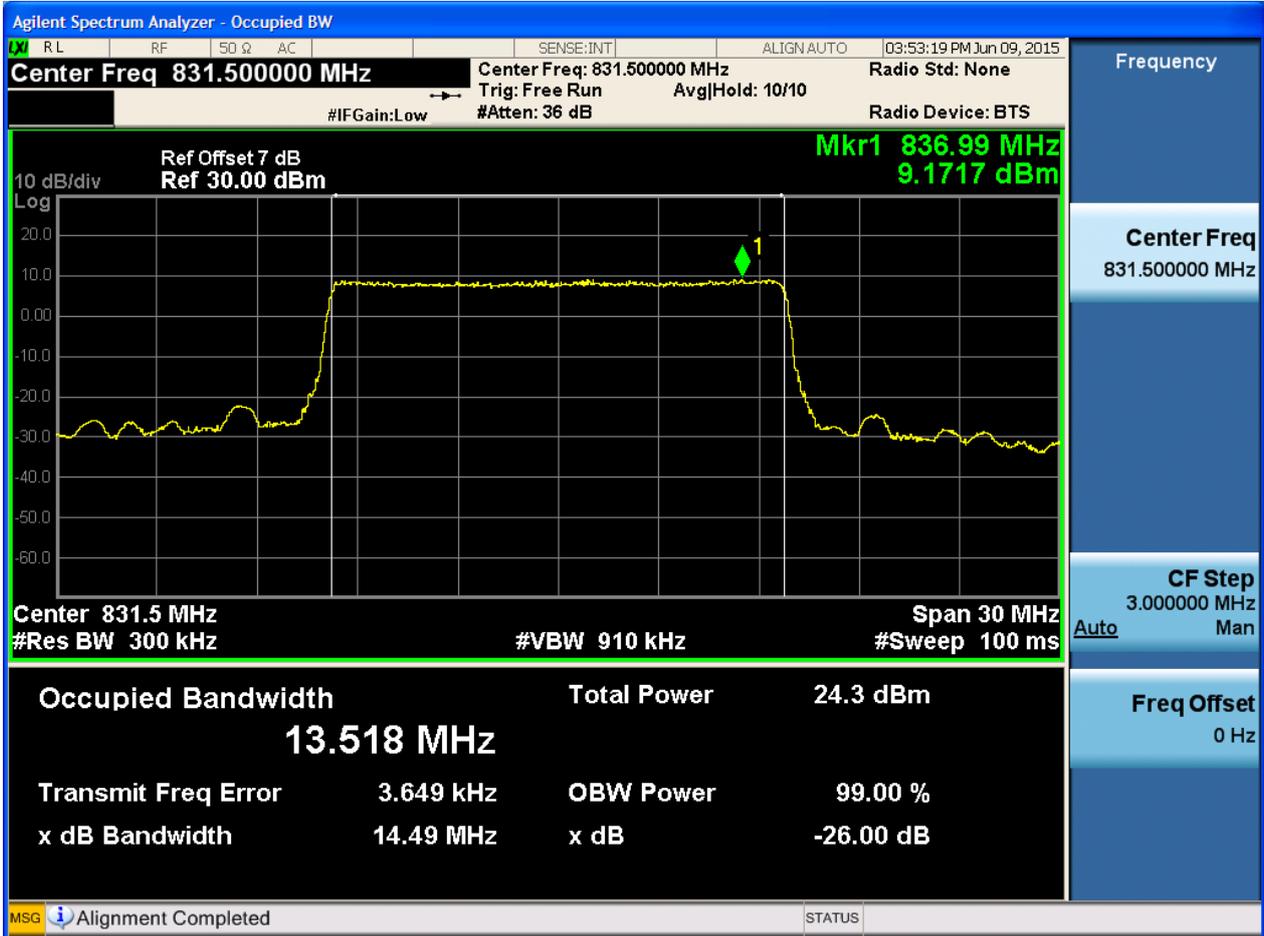
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0
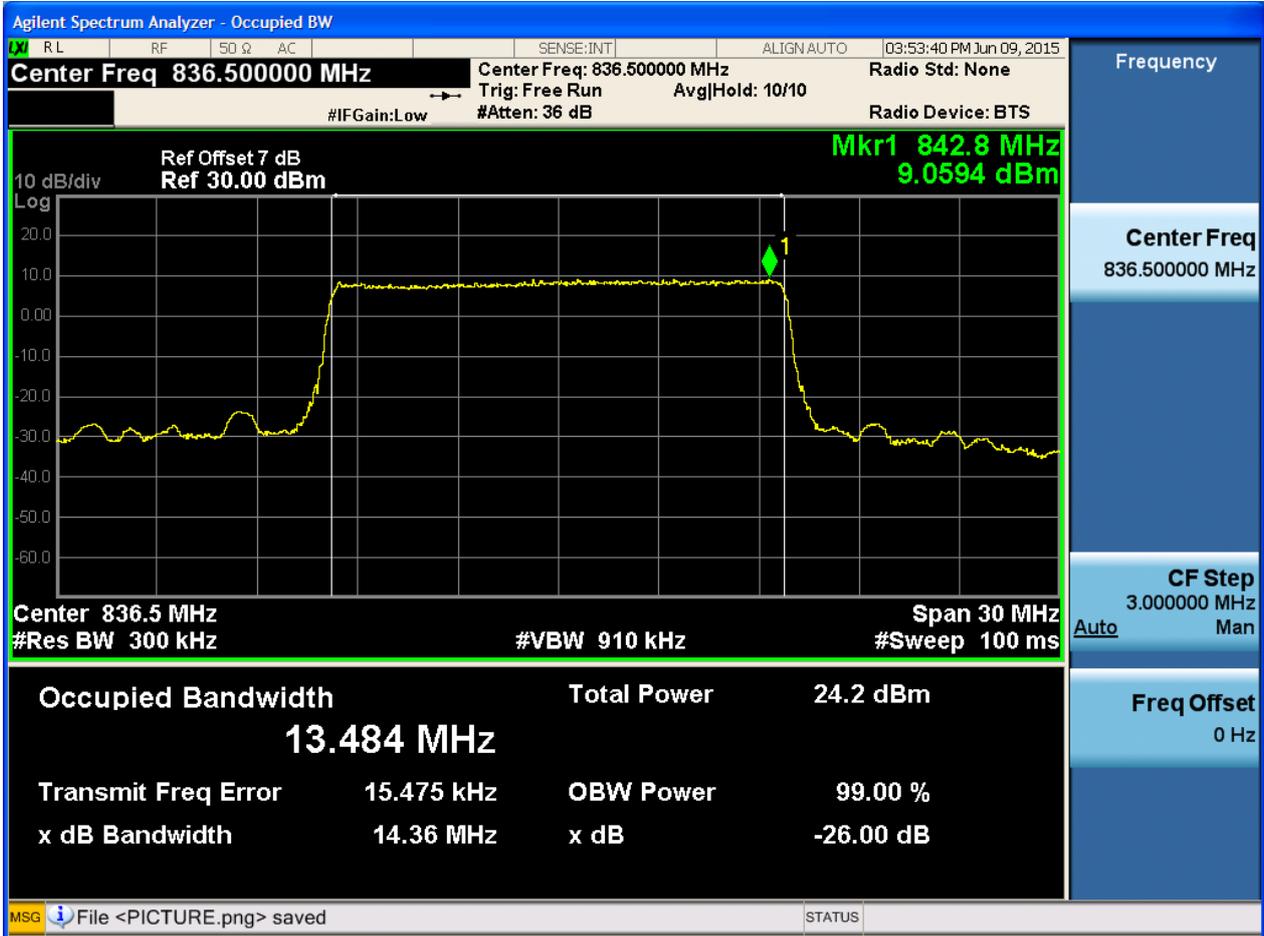
4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0
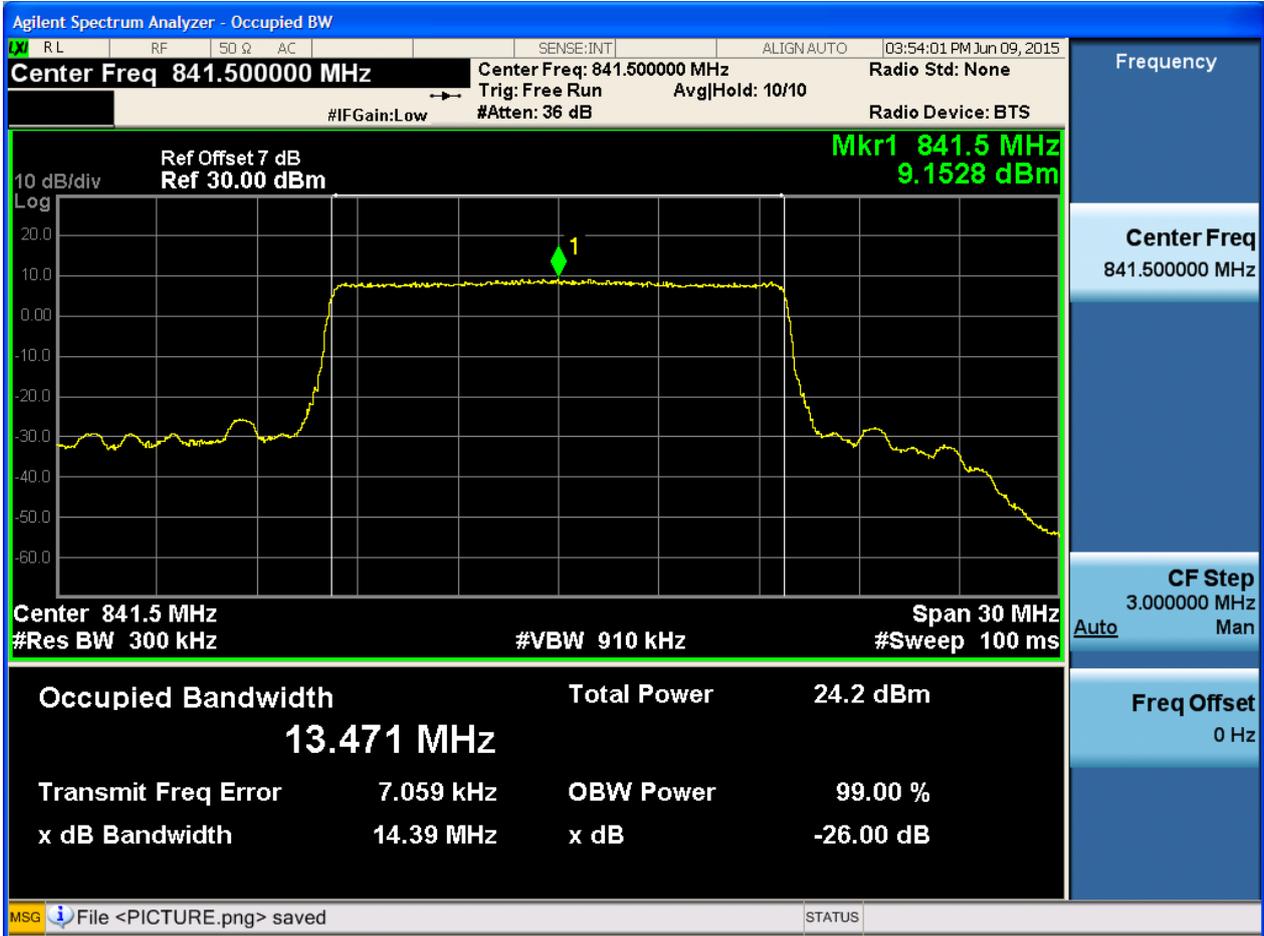
4.1.1.2 Test Mode = LTE/TM2

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

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4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

Agilent Spectrum Analyzer - Occupied BW		
LXI R L	RF	50 Ω AC

Center Freq 848.300000 MHz

SENSE:INT   ALIGN AUTO   03:55:15 PM Jun 09, 2015

Center Freq: 848.300000 MHz   Radio Std: None
Trig: Free Run   Avg|Hold: 10/10
#IFGain:Low   #Atten: 36 dB   Radio Device: BTS

Ref Offset 7 dB
10 dB/div   **Ref 30.00 dBm**

Mkr1 848.3196 MHz
11.993 dBm

Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

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

Occupied Bandwidth

1.0924 MHz

Total Power   25.3 dBm

Transmit Freq Error   366 Hz   OBW Power   99.00 %

x dB Bandwidth   1.223 MHz   x dB   -26.00 dB

MSG File <PICTURE.png> saved   STATUS

Frequency

Center Freq
848.300000 MHz

CF Step
280.000 kHz
Auto   Man

Freq Offset
0 Hz

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
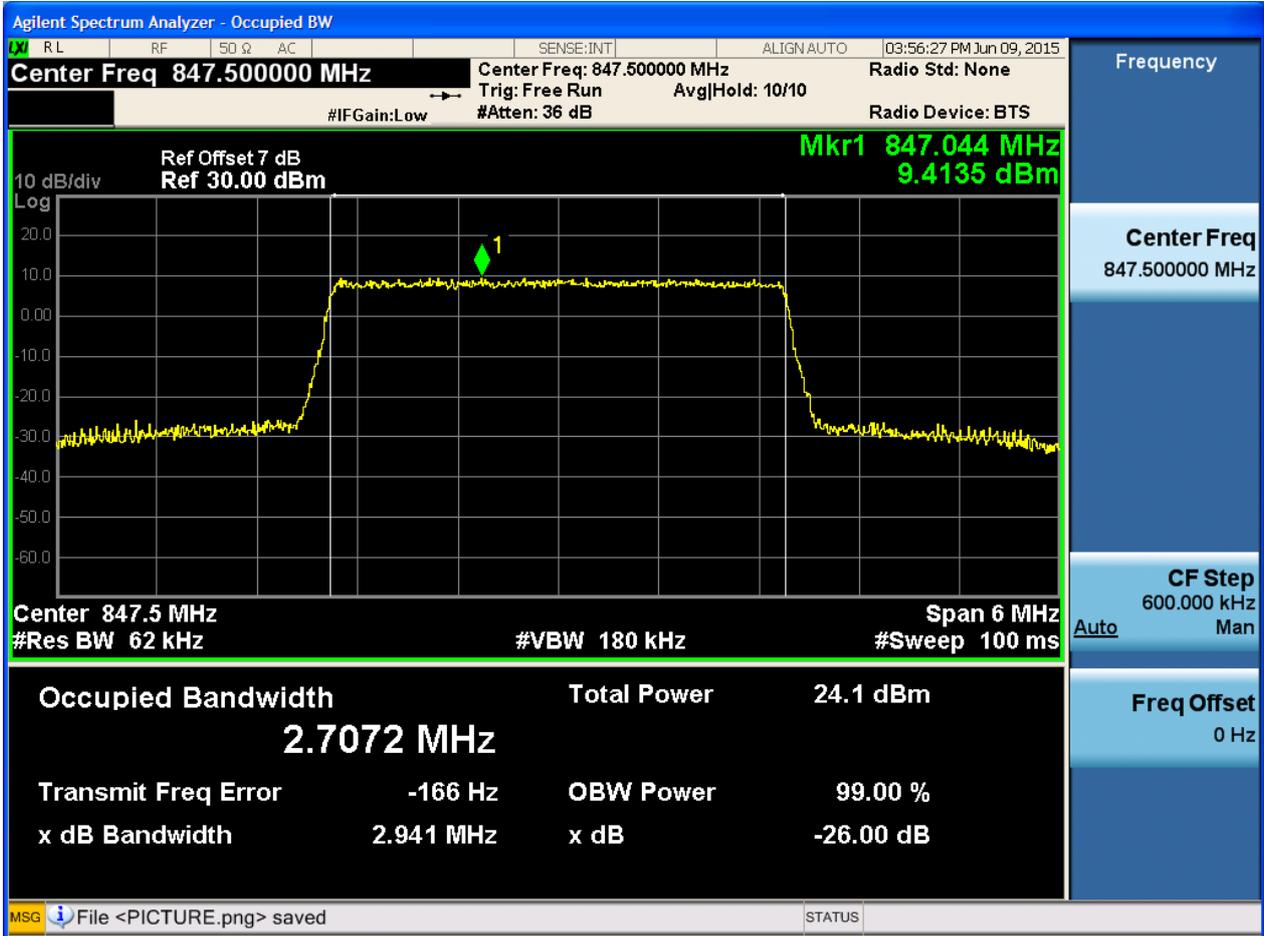
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0
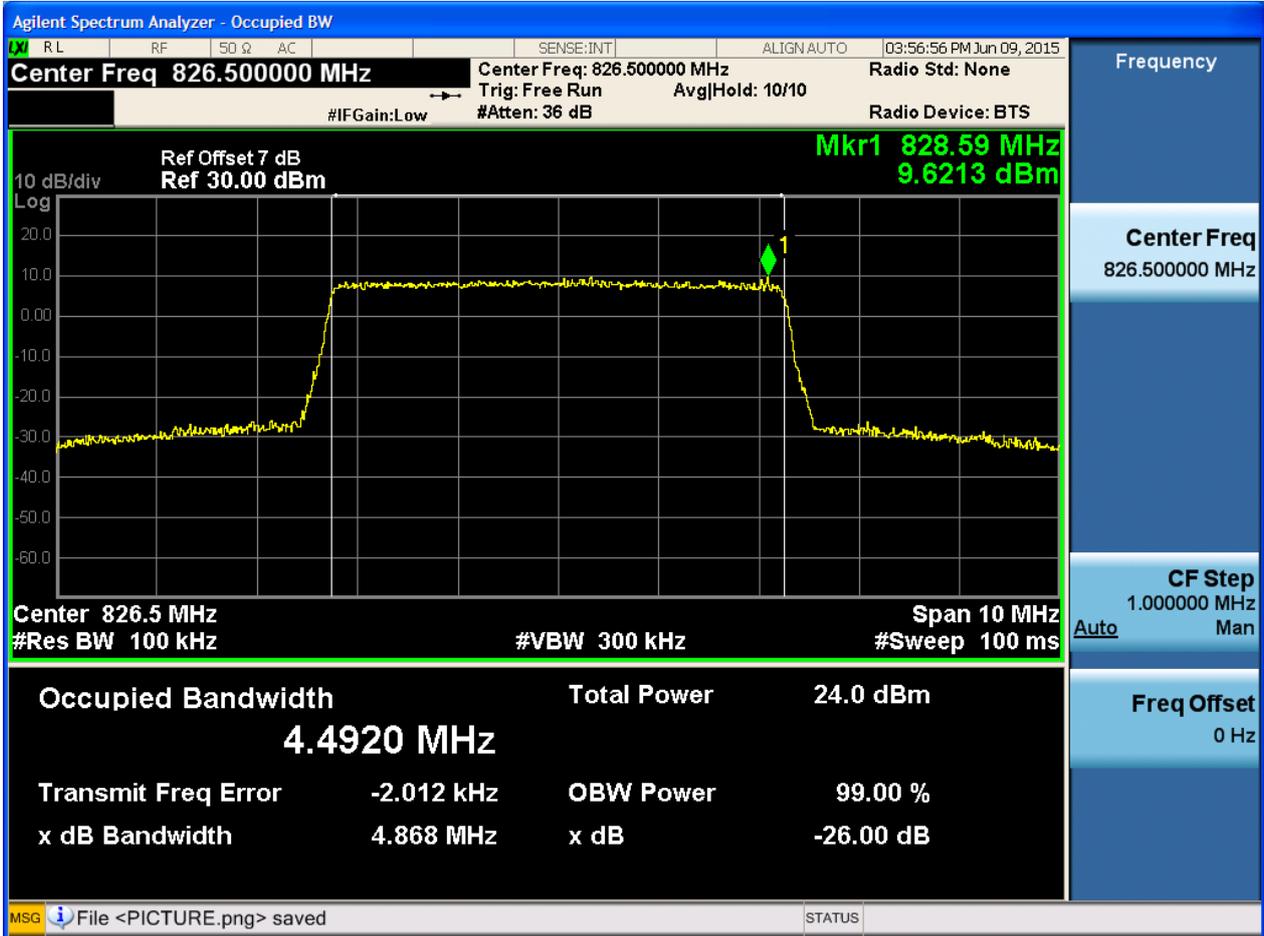
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0
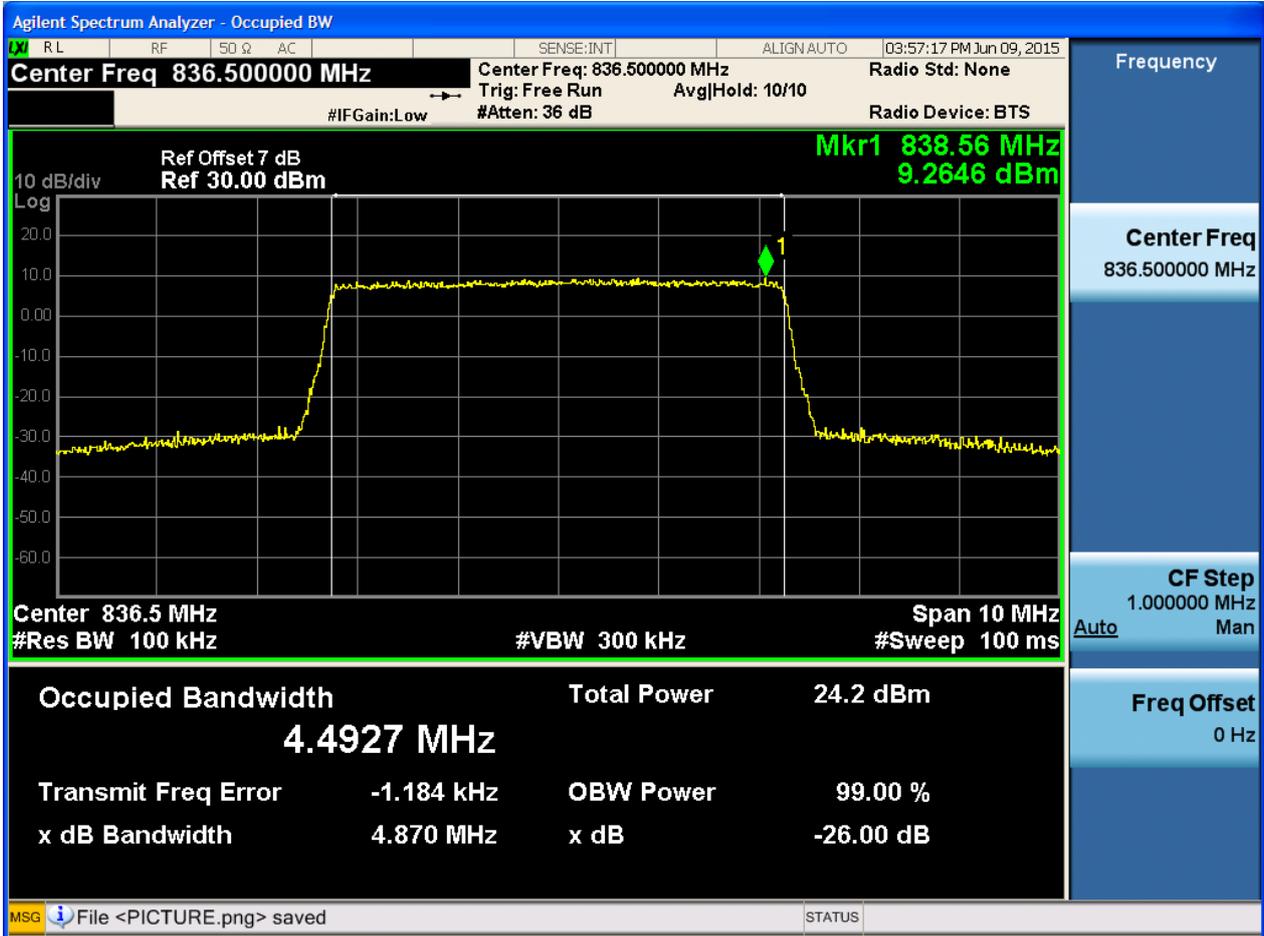
4.1.1.2.3.3 Test Channel = HCH

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

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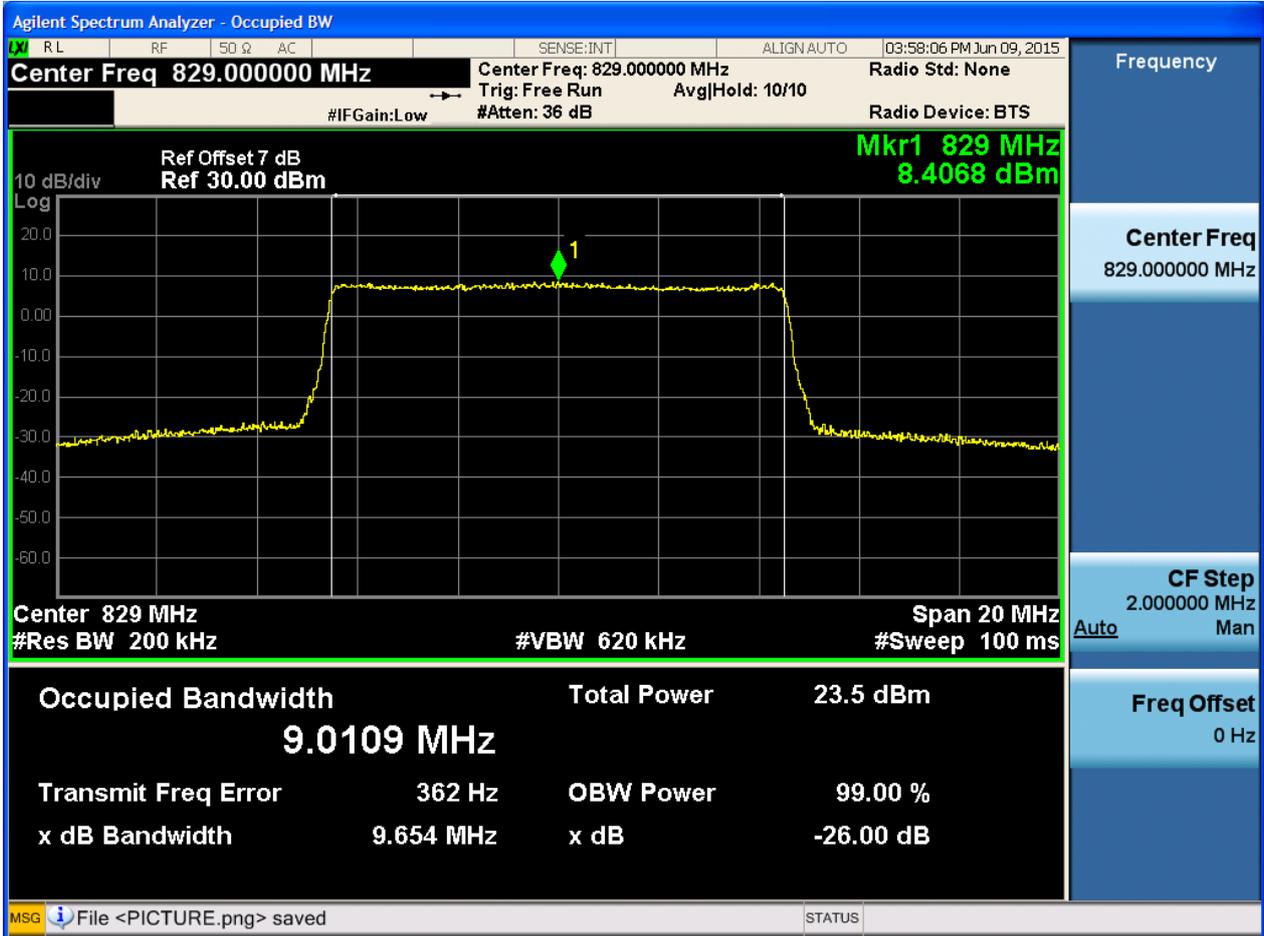
4.1.1.2.4.2 Test Channel = MCH

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
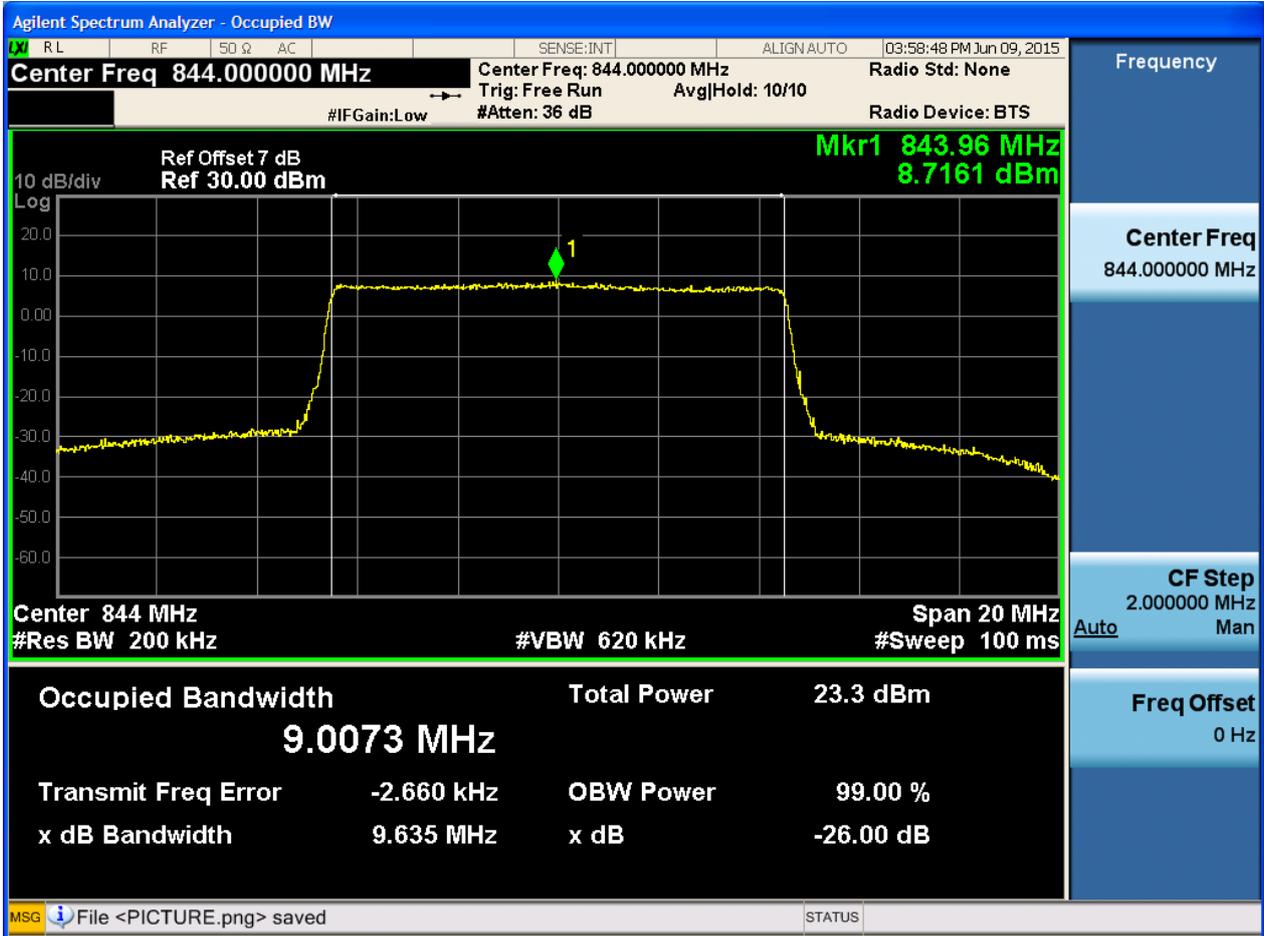
4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0
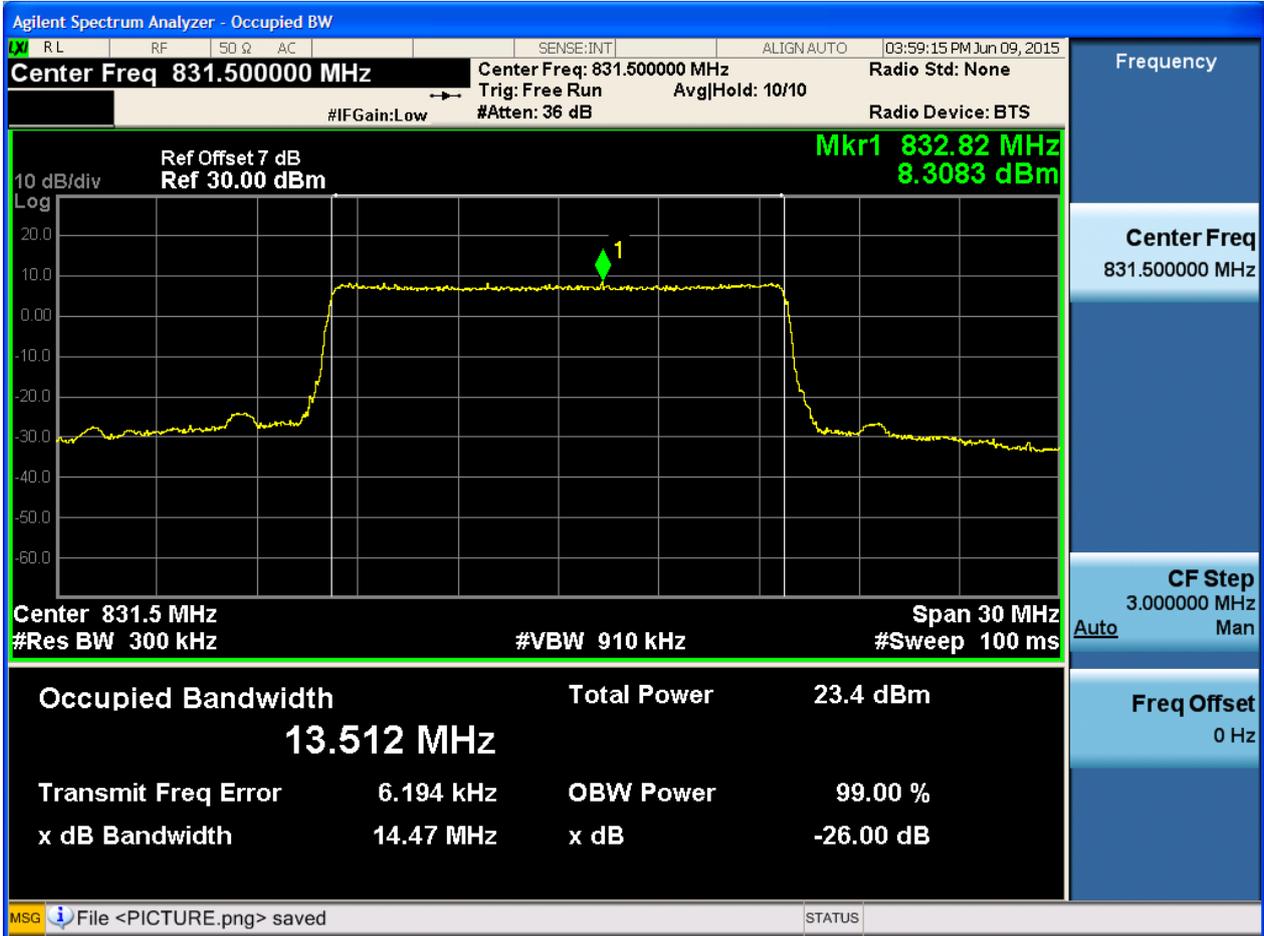
4.1.1.2.5.2 Test Channel = MCH

4.1.1.2.5.2.1 Test RB = RB75#0
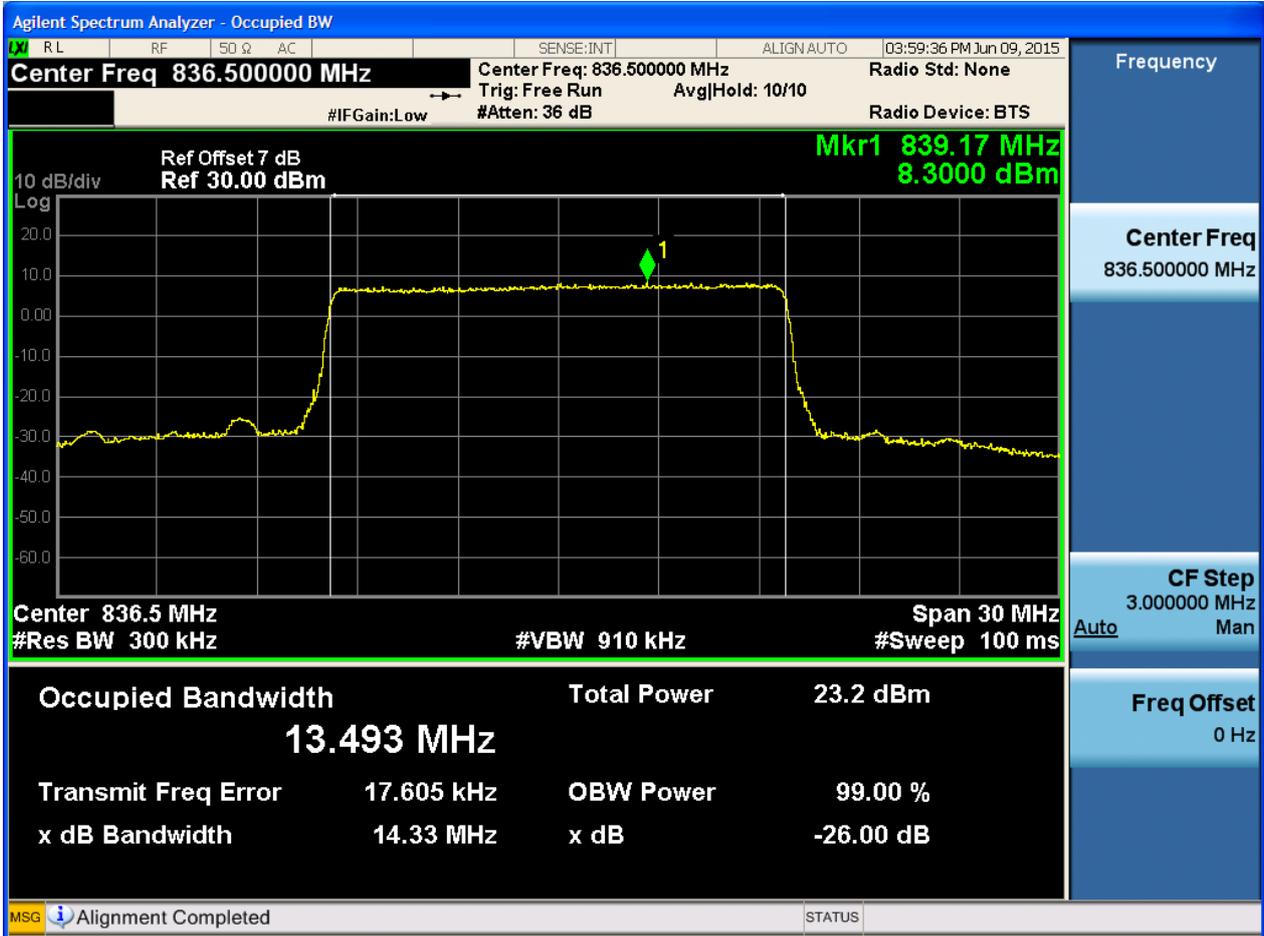
4.1.1.2.5.3 Test Channel = HCH

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

5.1.1.1.1.1.2 Test RB = RB1#5

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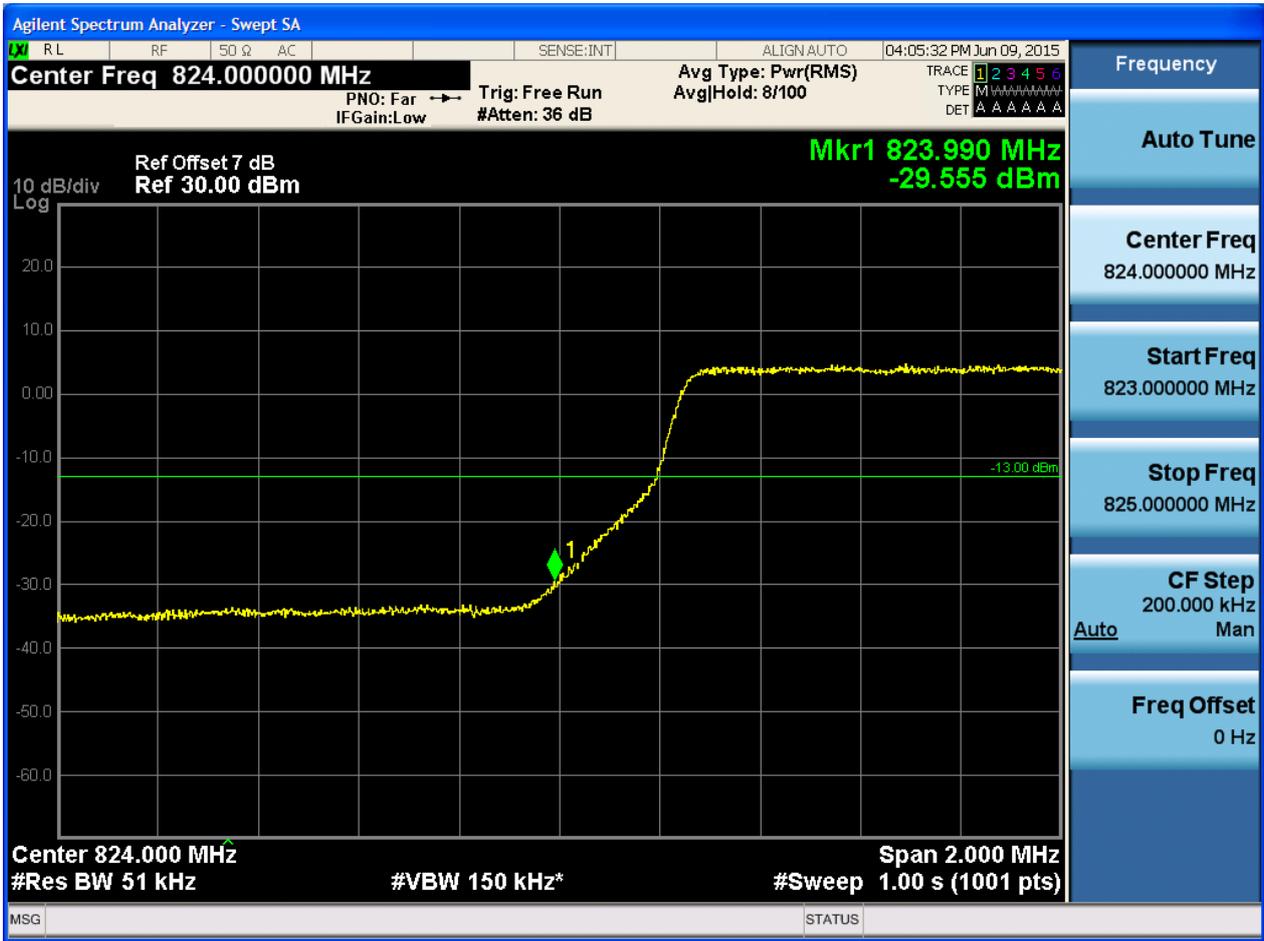Copyright © Huawei Technologies Co., Ltd.
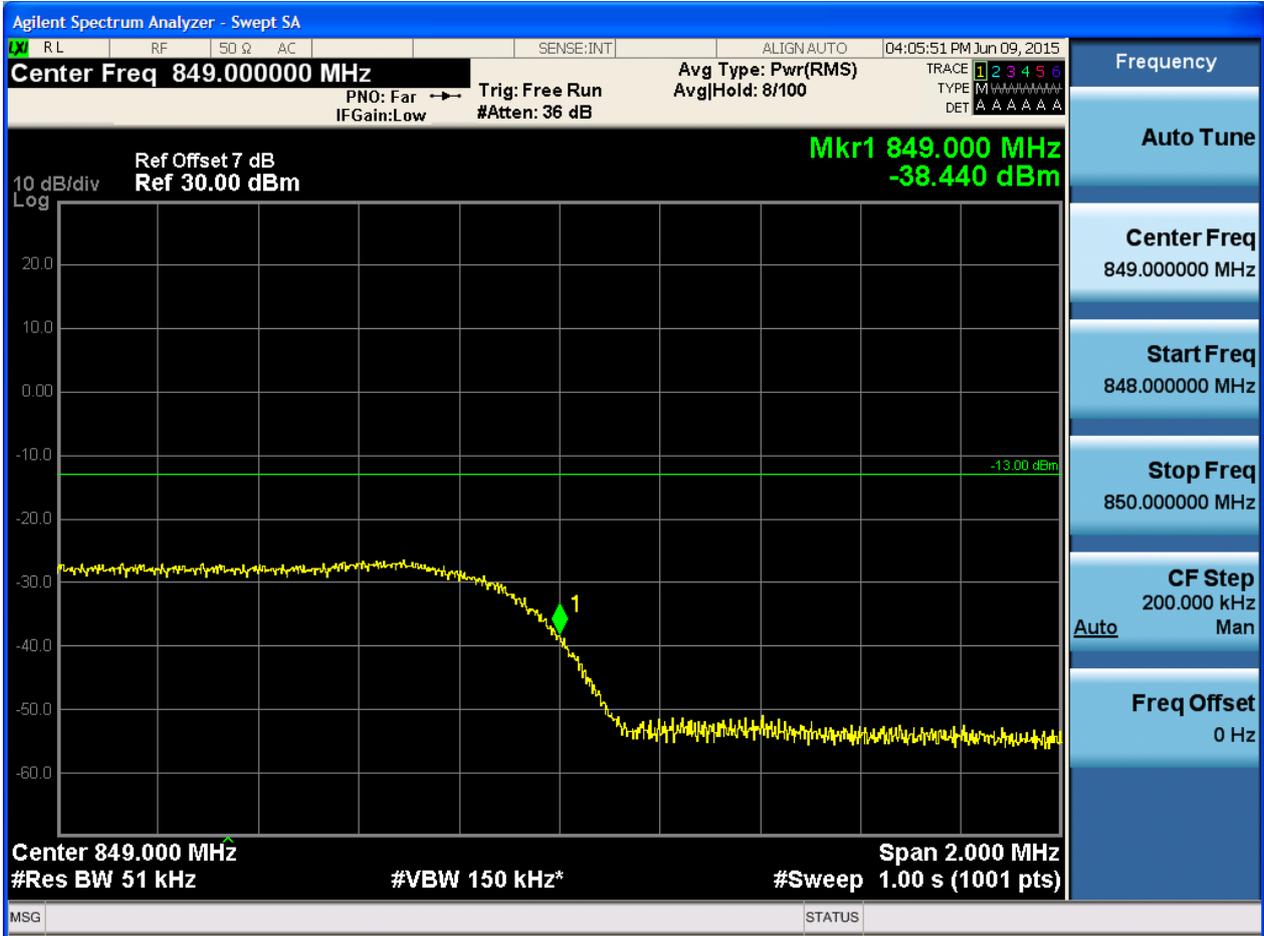
5.1.1.1.1.1.3 Test RB = RB3#2

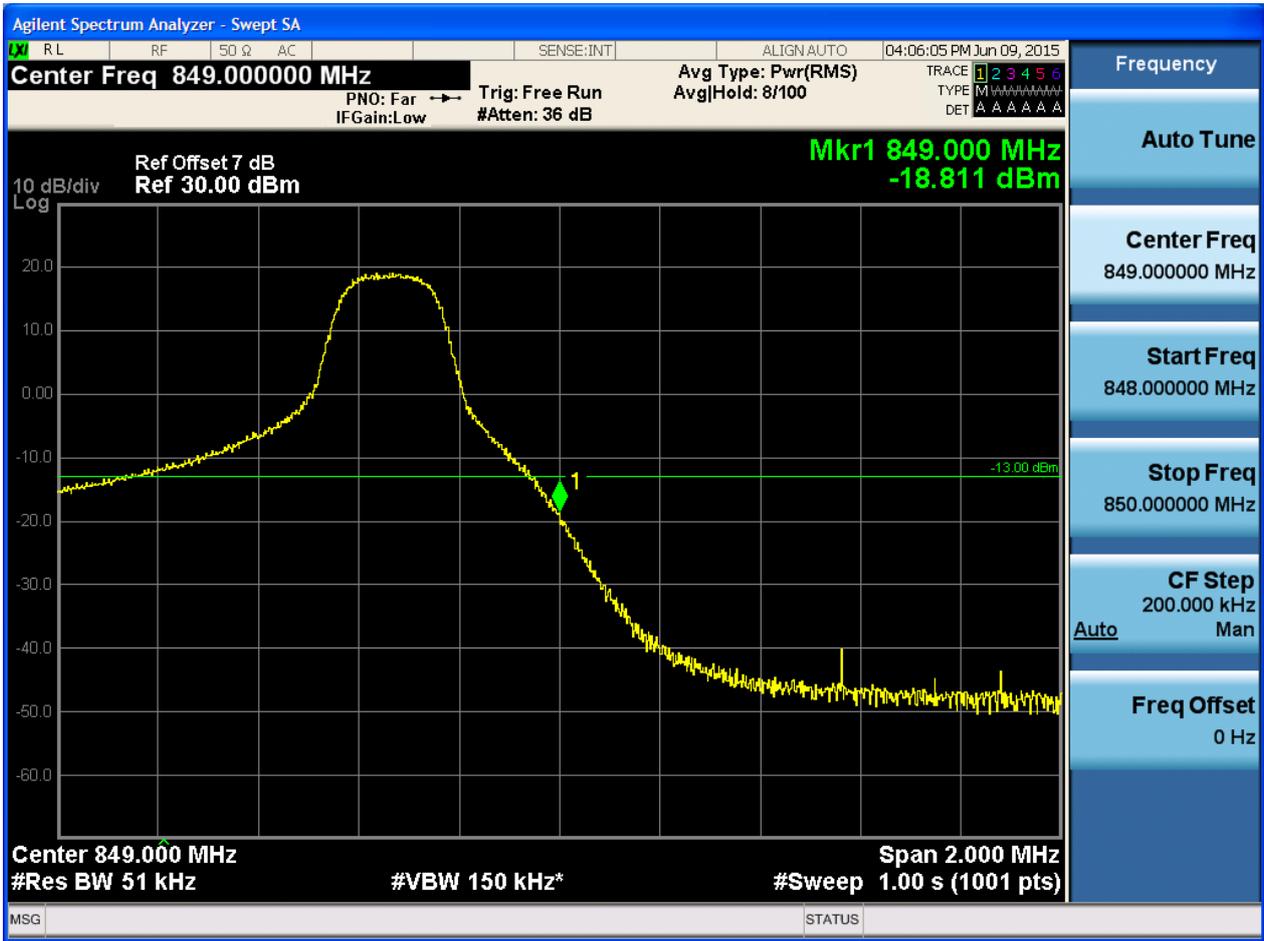## 5.1.1.1.1.1.4 Test RB = RB6#0
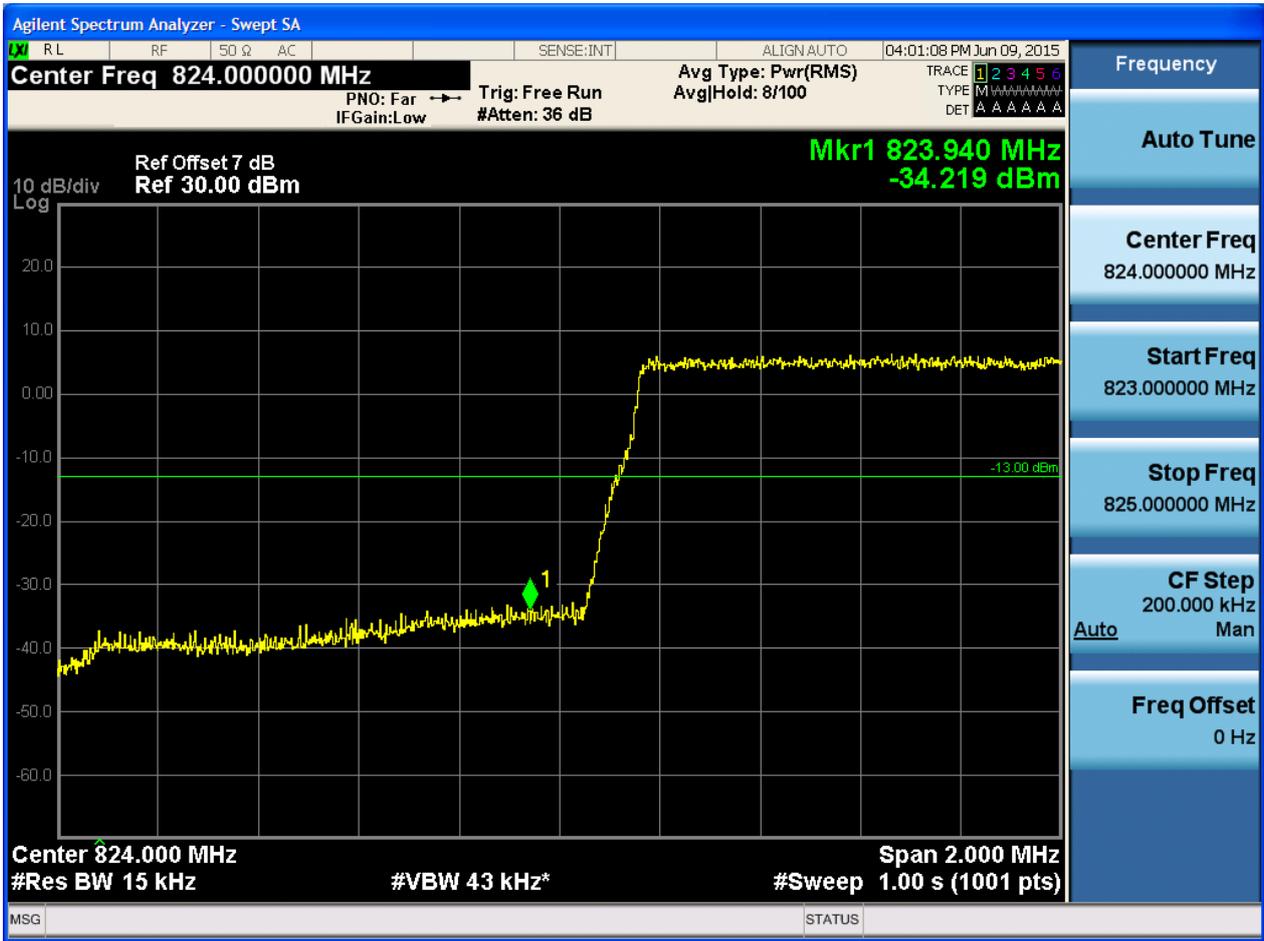
5.1.1.1.1.2 Test Channel = HCH

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

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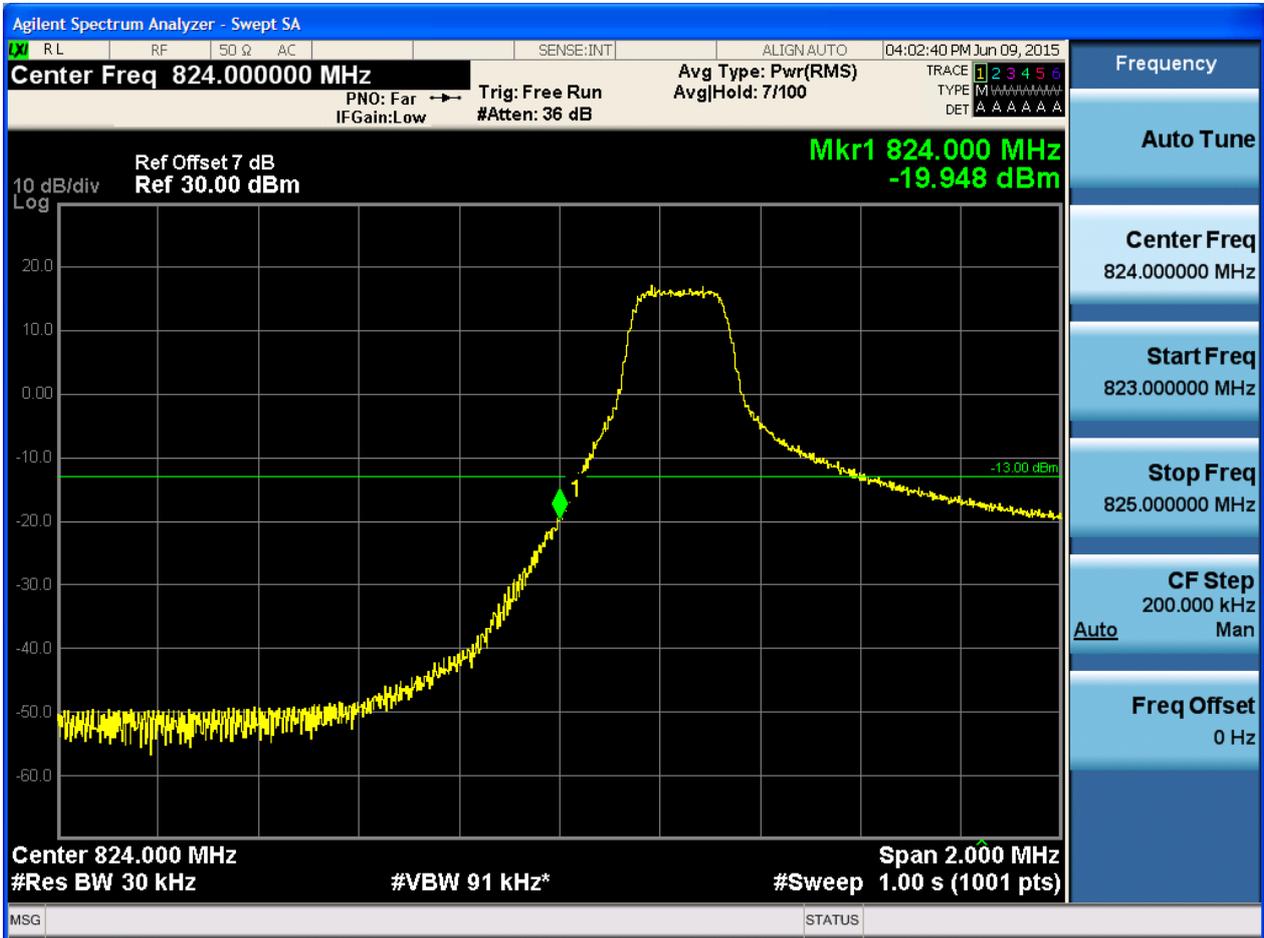
5.1.1.1.2.1.2 Test RB = RB1#14
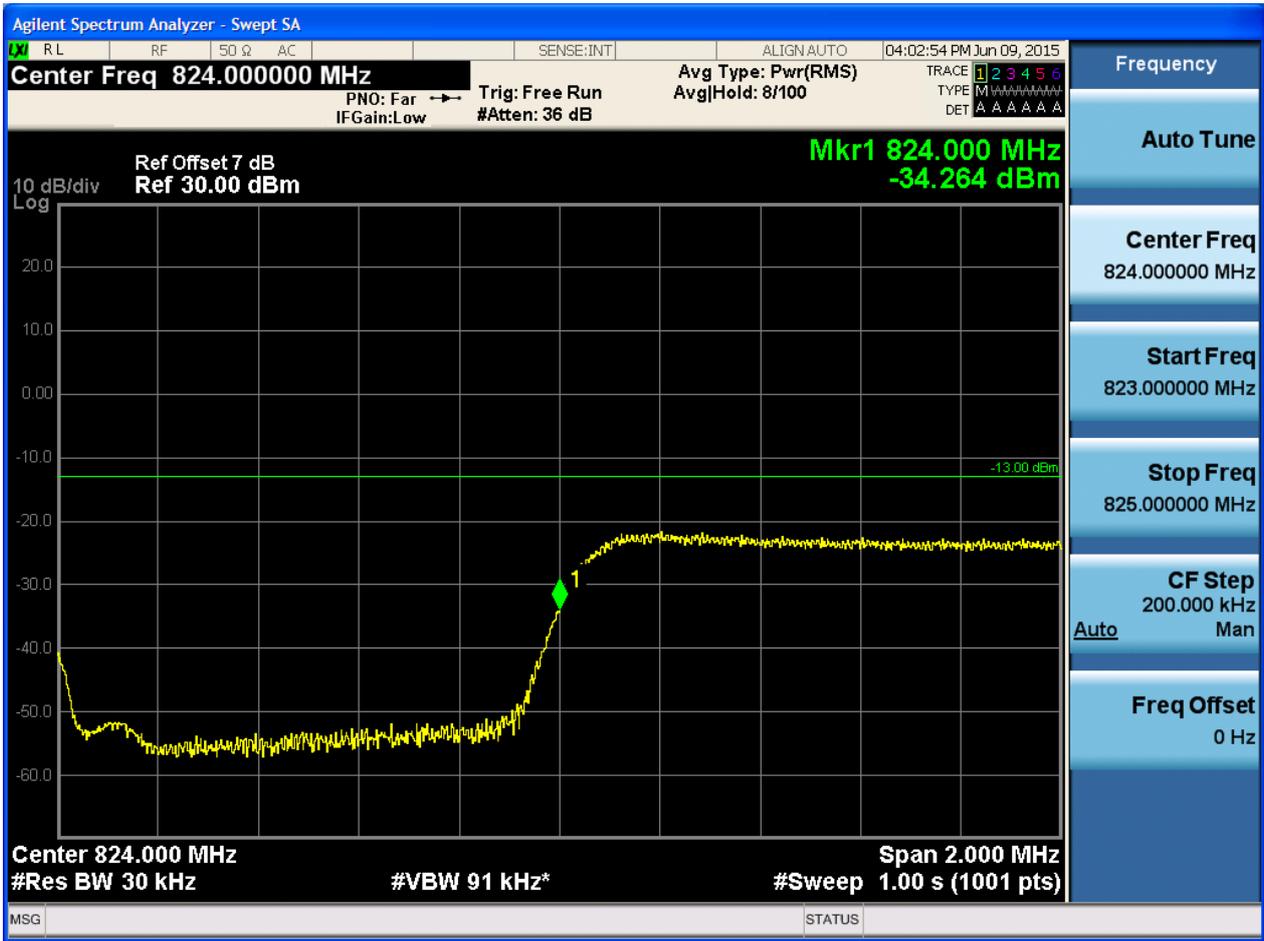
5.1.1.1.2.1.3 Test RB = RB8#4

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
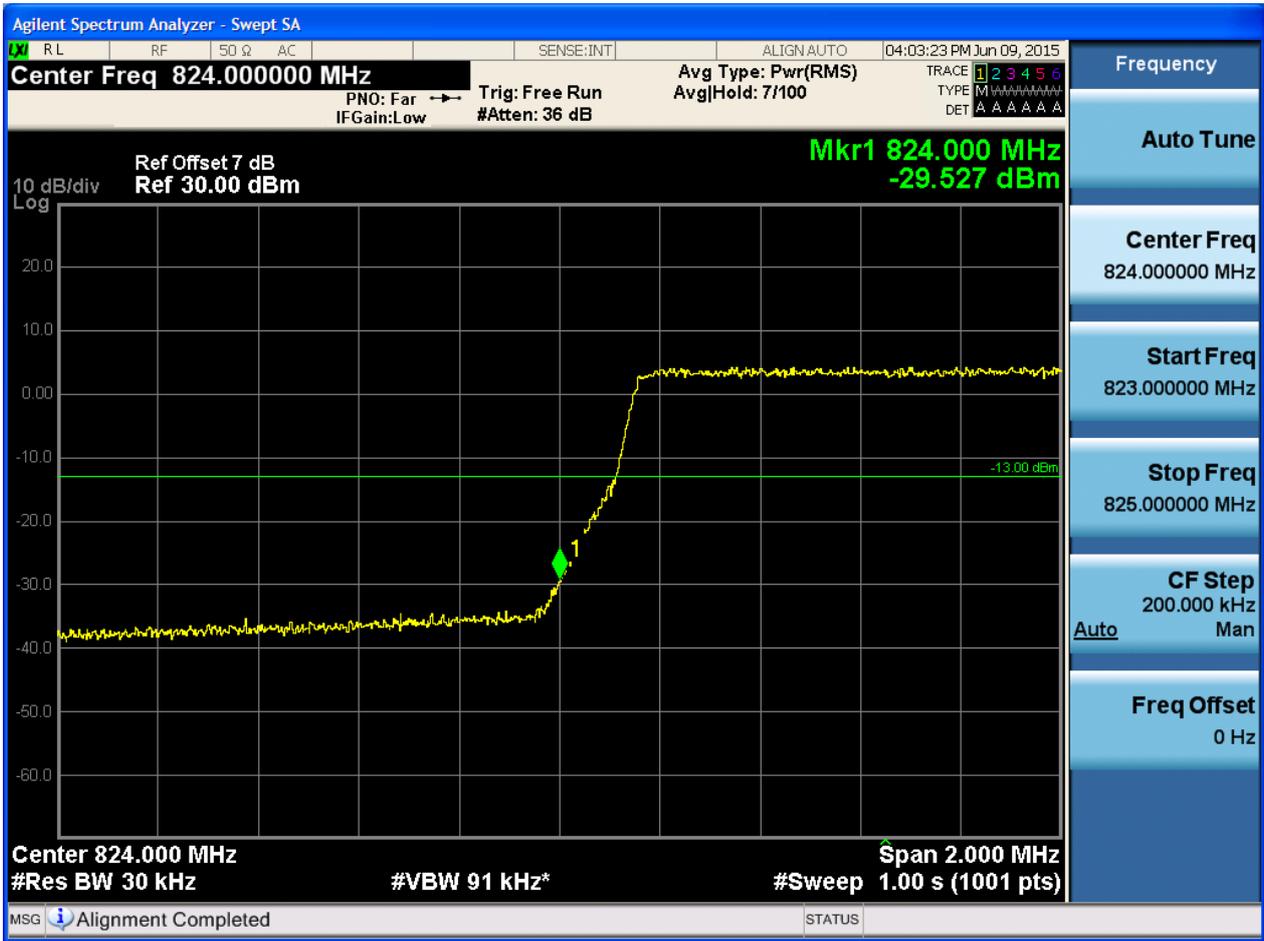
5.1.1.1.2.2.3 Test RB = RB8#4
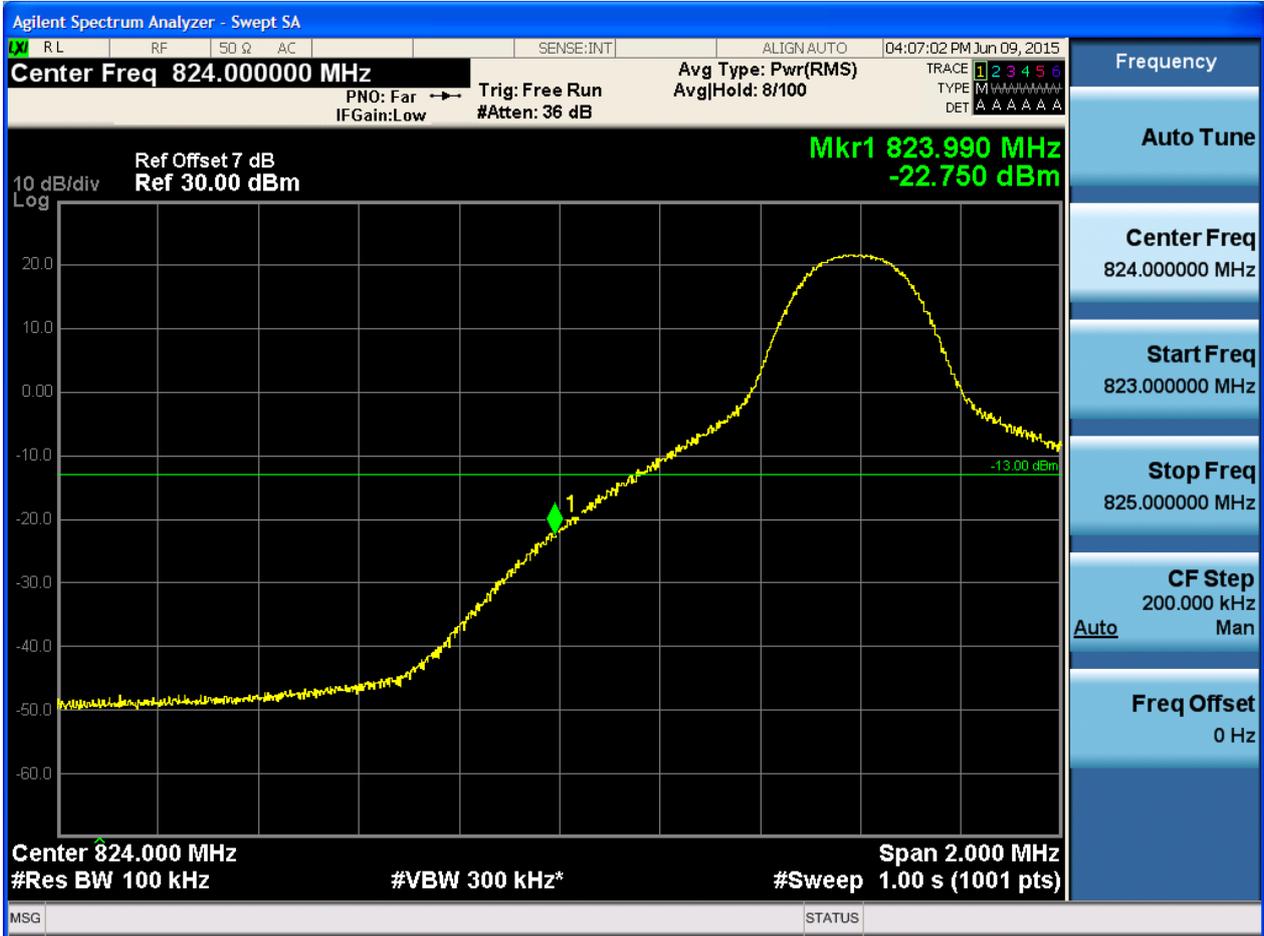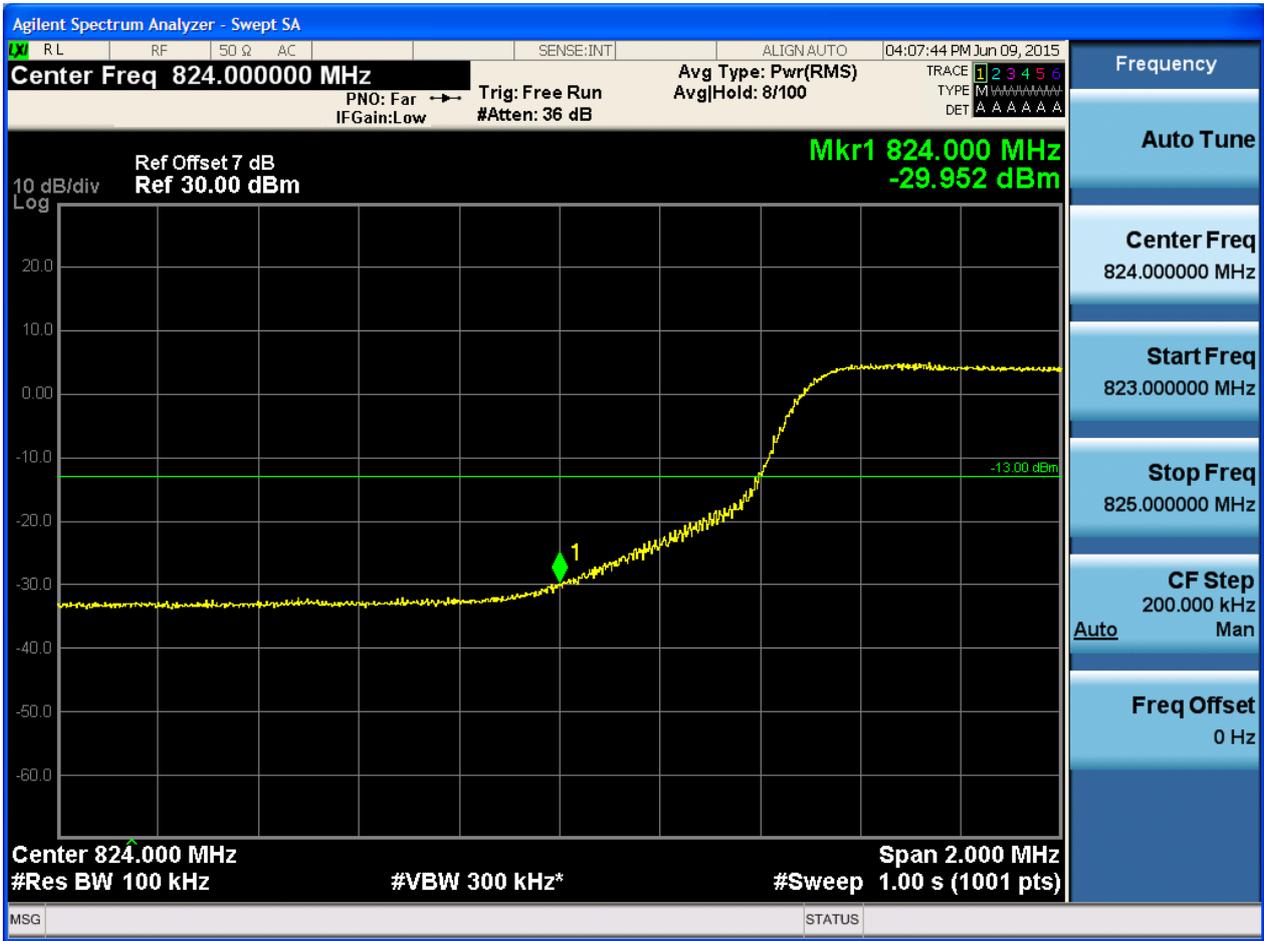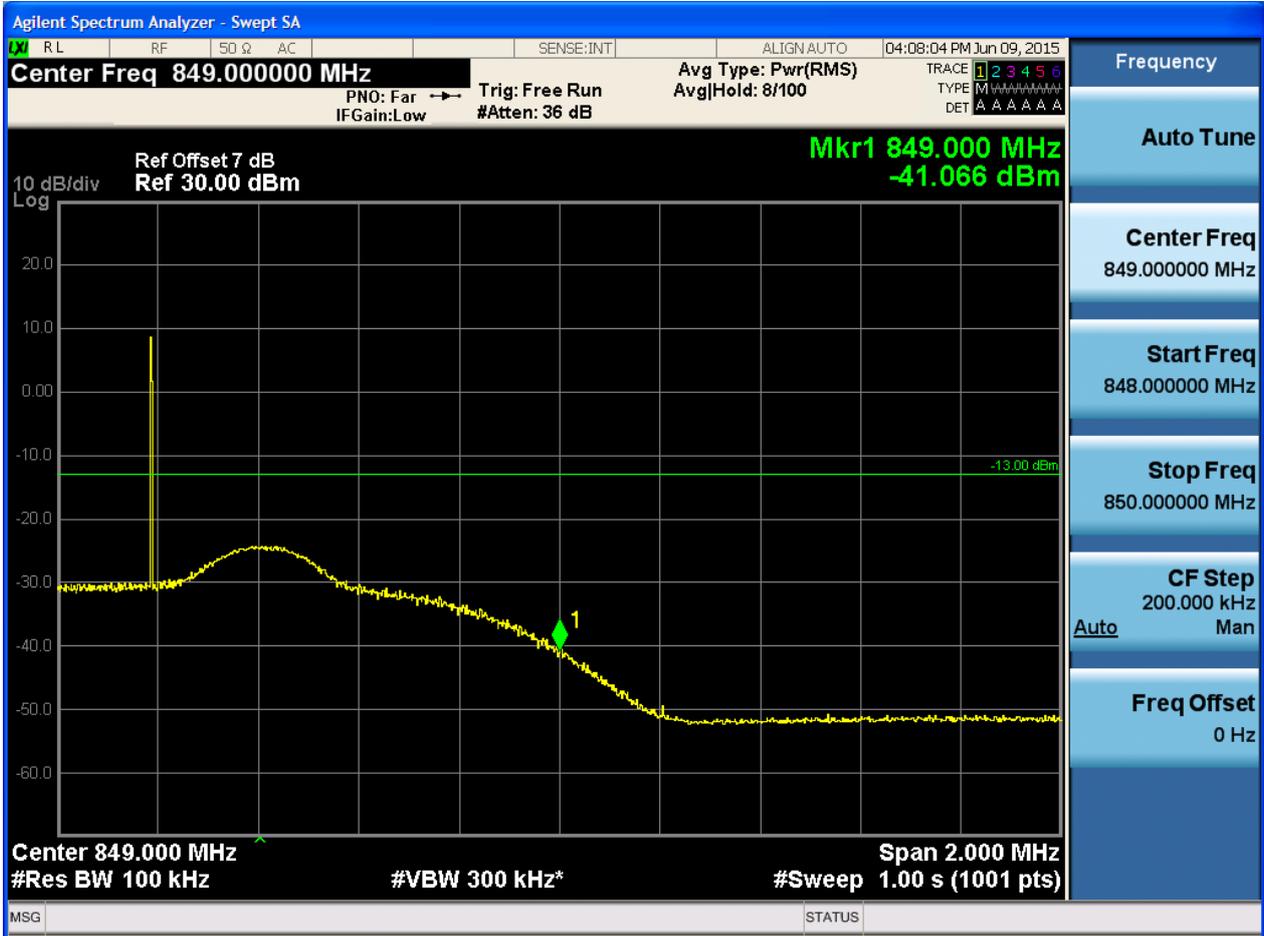
5.1.1.1.2.2.4 Test RB = RB15#0
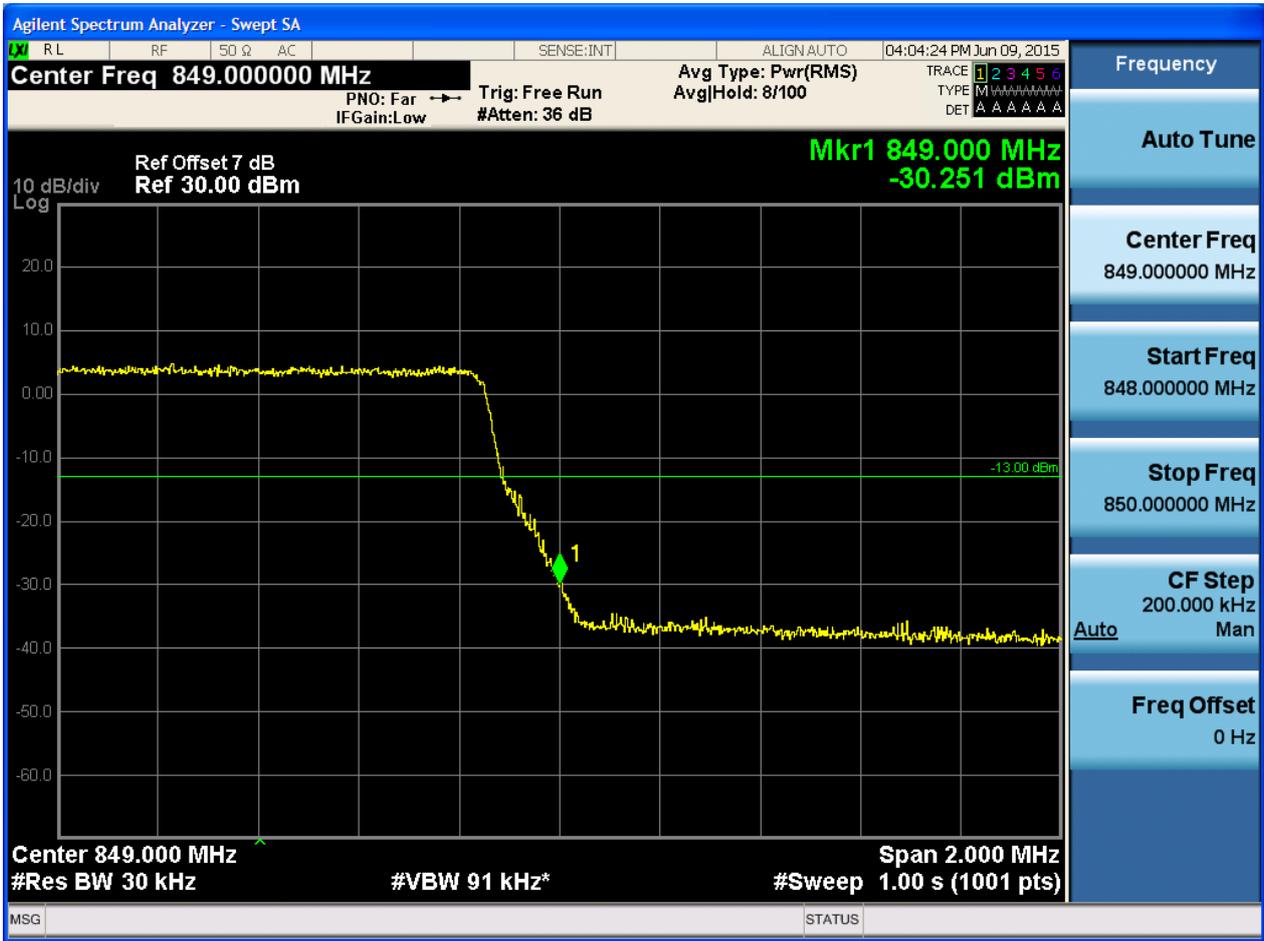
5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0
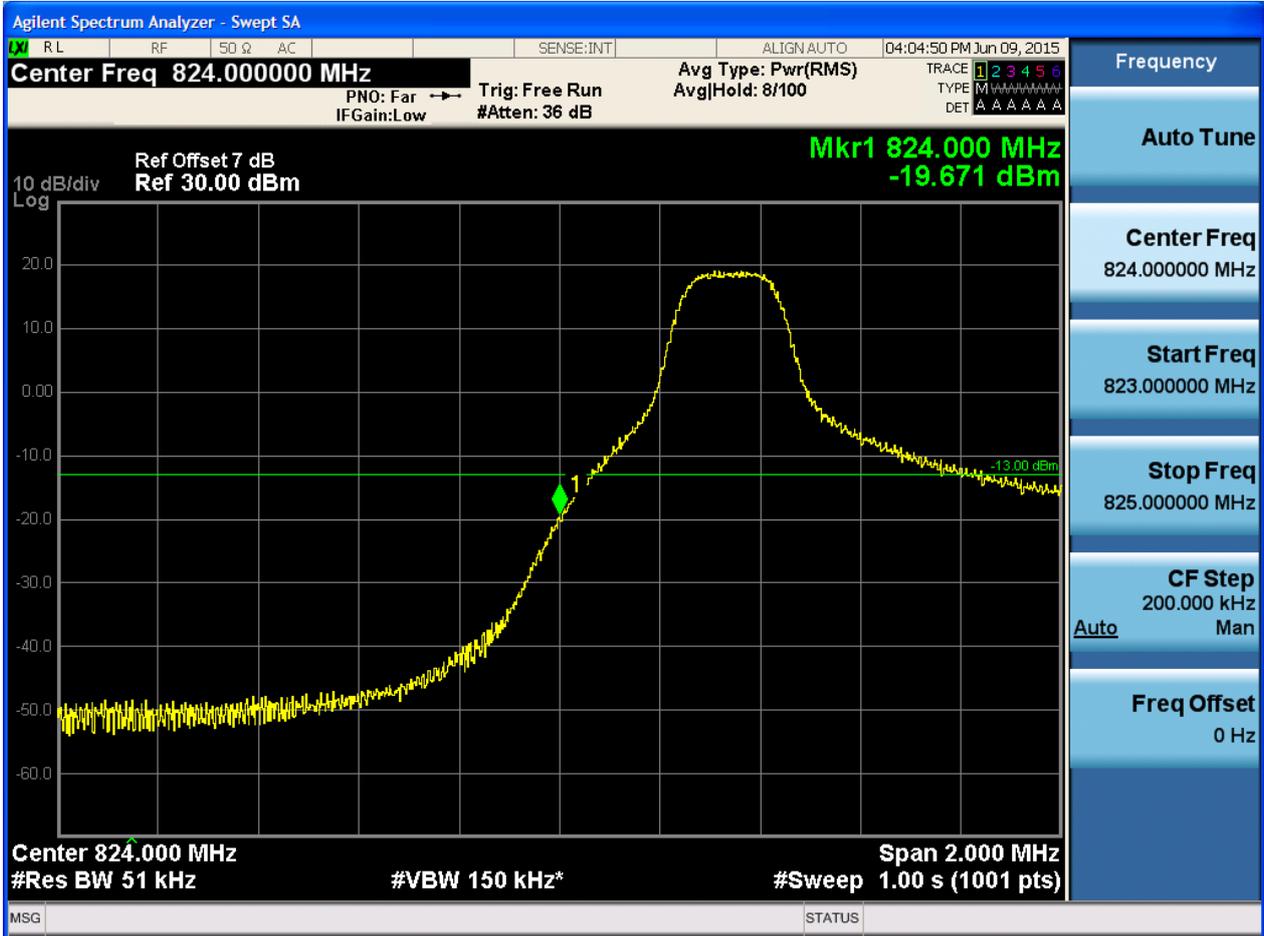
5.1.1.1.3.1.2 Test RB = RB1#24

5.1.1.1.3.1.3 Test RB = RB12#6

Agilent Spectrum Analyzer - Swept SA

| RL | RF | 50 Ω | AC | SENSE:INT | ALIGN AUTO | 04:05:18 PM Jun 09, 2015 |

Center Freq 824.000000 MHz

PNO: Far →
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Avg Type: Pwr(RMS)
Avg|Hold: 8/100

Ref Offset 7 dB
Ref 30.00 dBm
10 dB/div
Log

Mkr1 824.000 MHz
-31.715 dBm

-13.00 dBm

Center 824.000 MHz
#Res BW 51 kHz
#VBW 150 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
Auto   Man

Freq Offset
0 Hz

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

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5.1.1.1.3.2.3 Test RB = RB12#6

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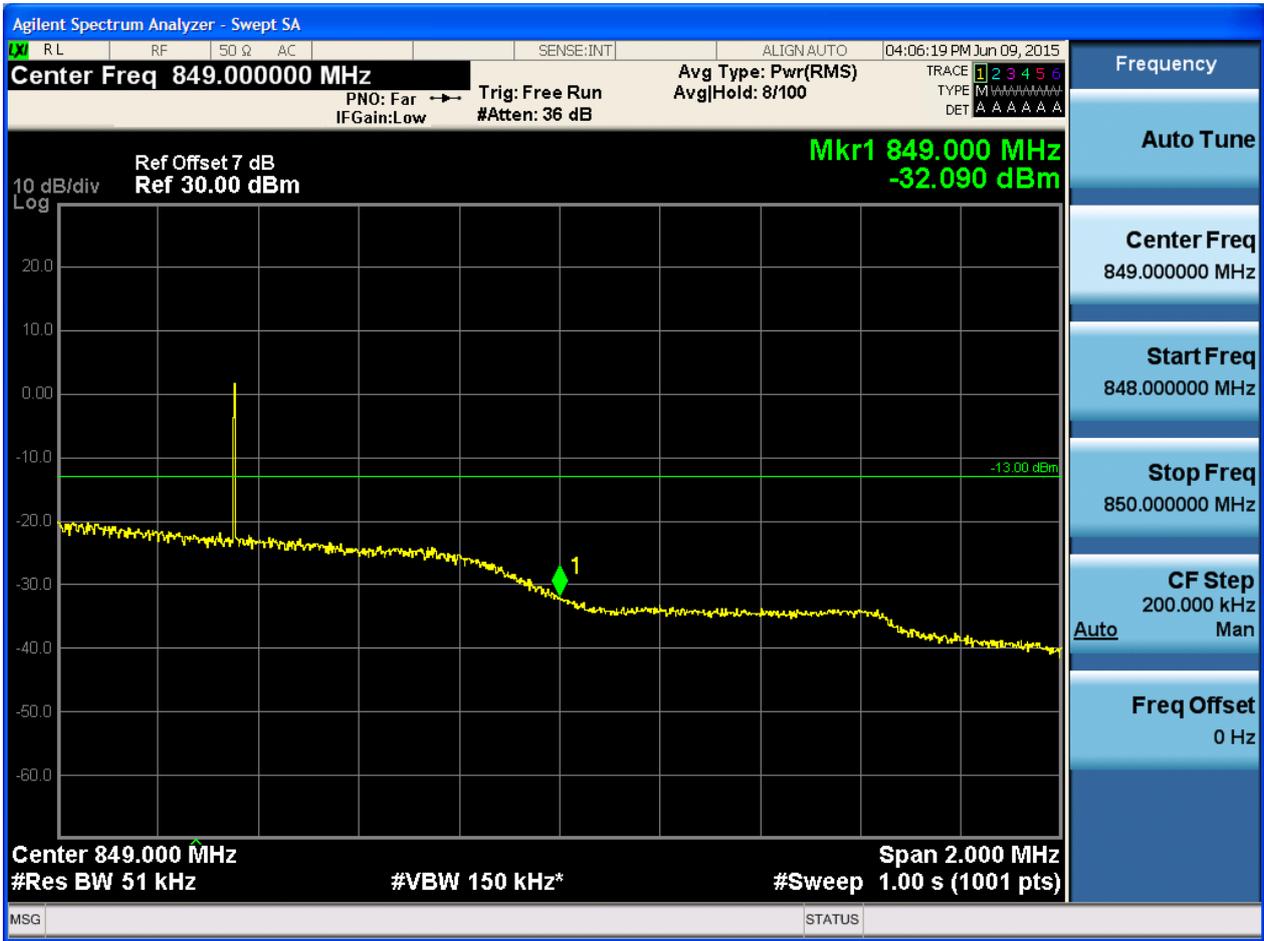
5.1.1.1.3.2.4 Test RB = RB25#0

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

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5.1.1.1.4.1.3 Test RB = RB25#13

5.1.1.1.4.1.4 Test RB = RB50#0

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5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0

5.1.1.1.4.2.2 Test RB = RB1#49
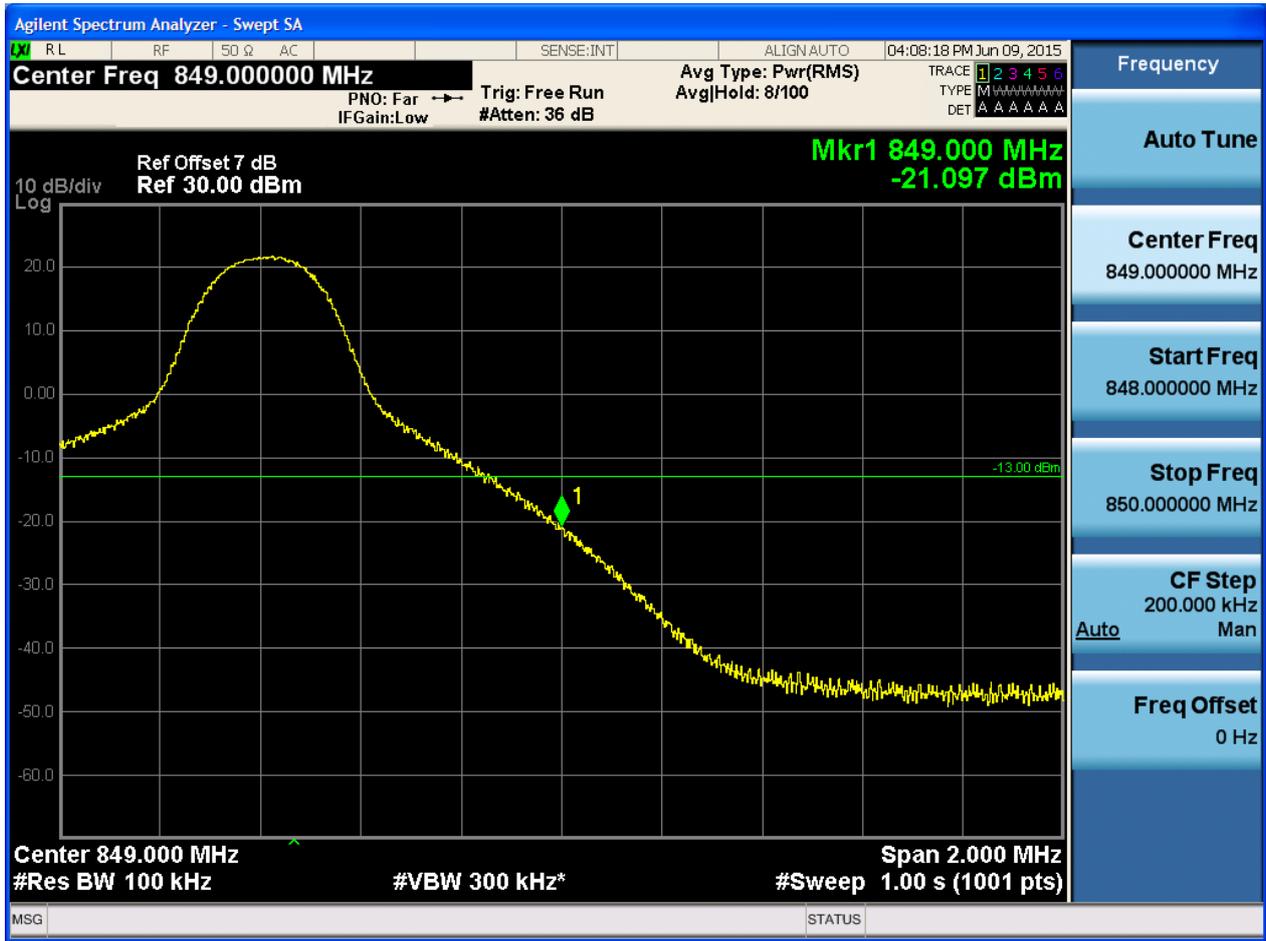
5.1.1.1.4.2.3 Test RB = RB25#13

5.1.1.1.4.2.4 Test RB = RB50#0

5.1.1.1.5 Test Bandwidth = 15

5.1.1.1.5.1 Test Channel = LCH

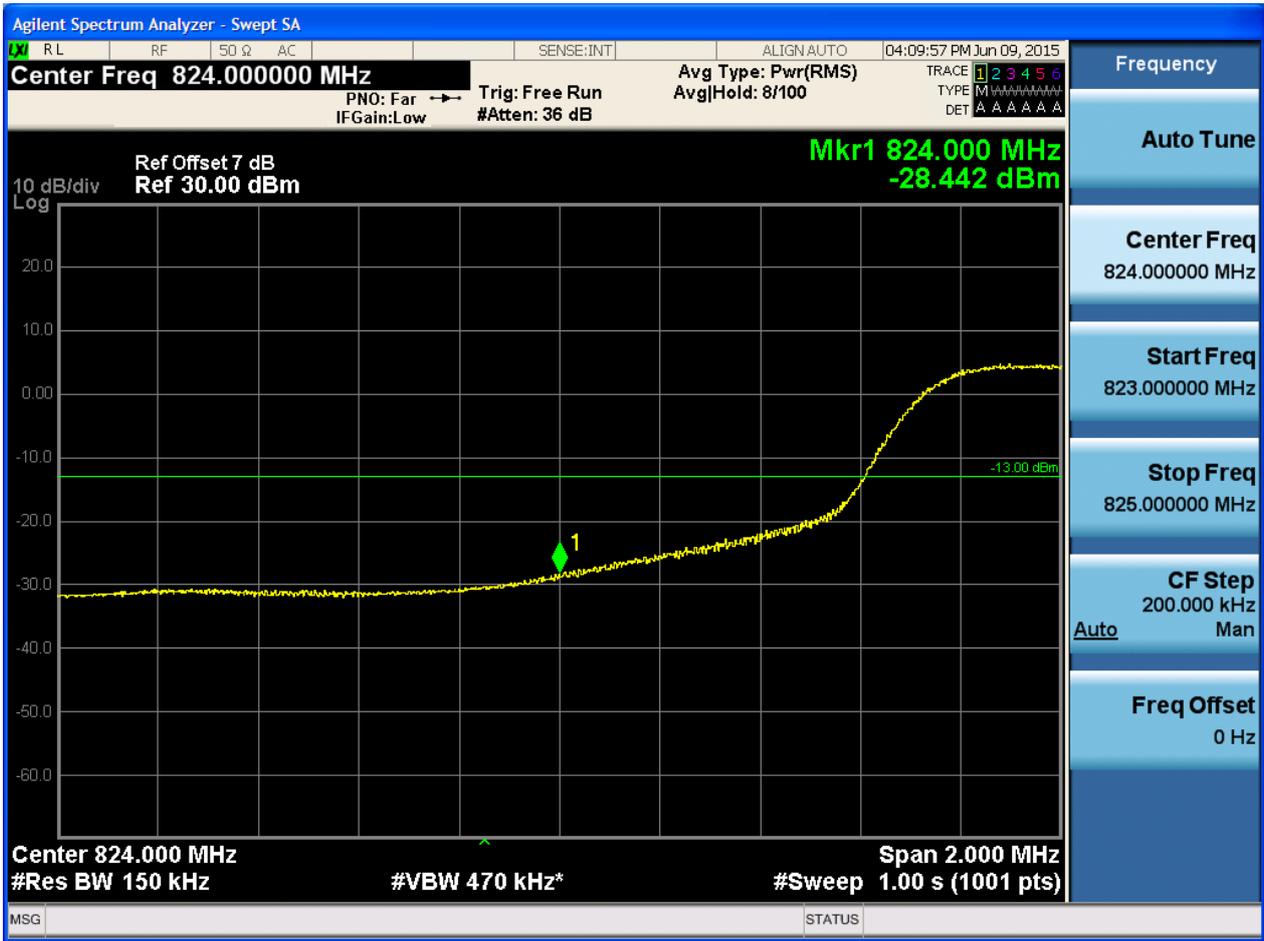### 5.1.1.1.5.1.1 Test RB = RB1#0

5.1.1.1.5.1.2 Test RB = RB1#74
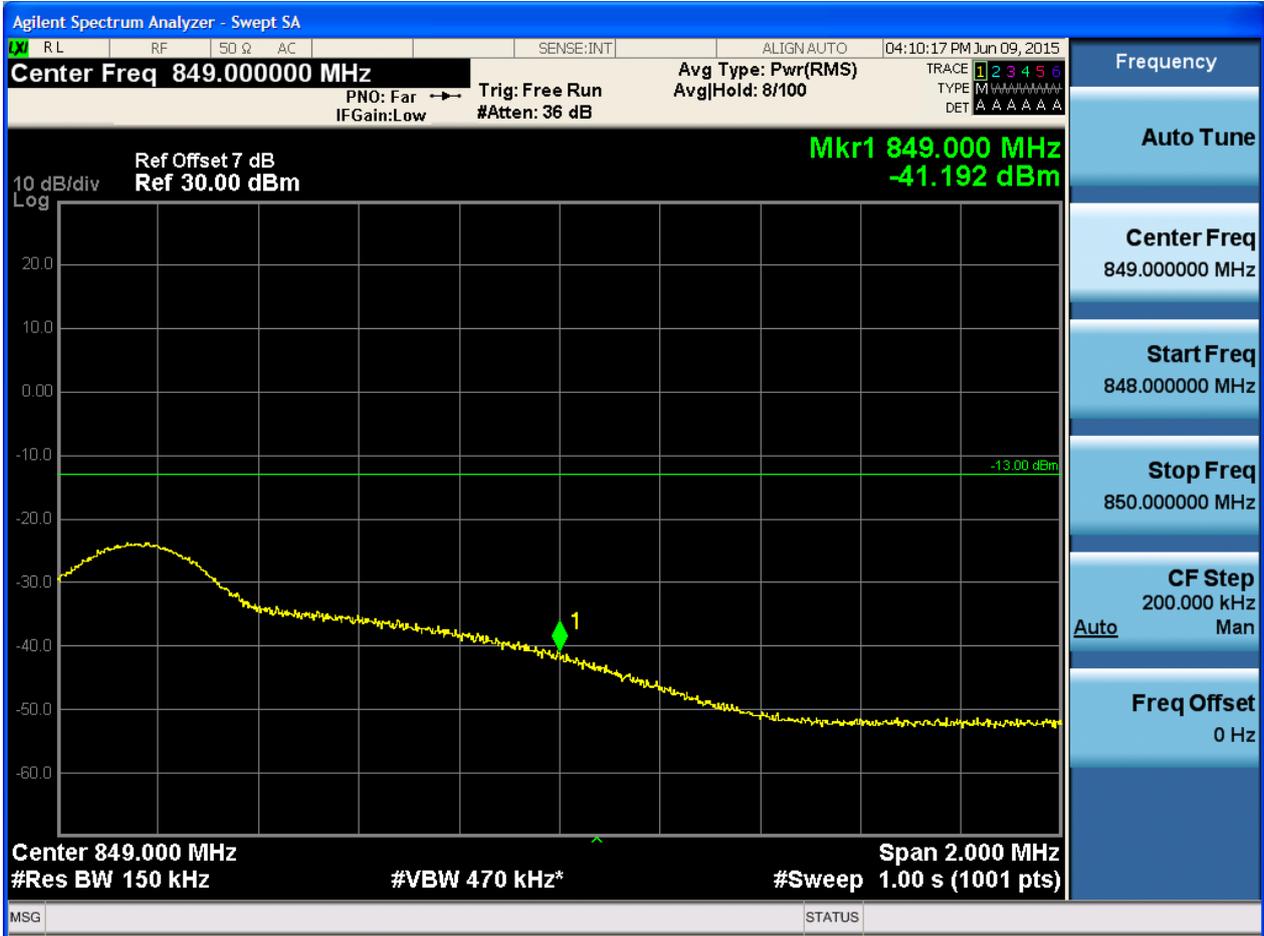
5.1.1.1.5.1.3 Test RB = RB38#19
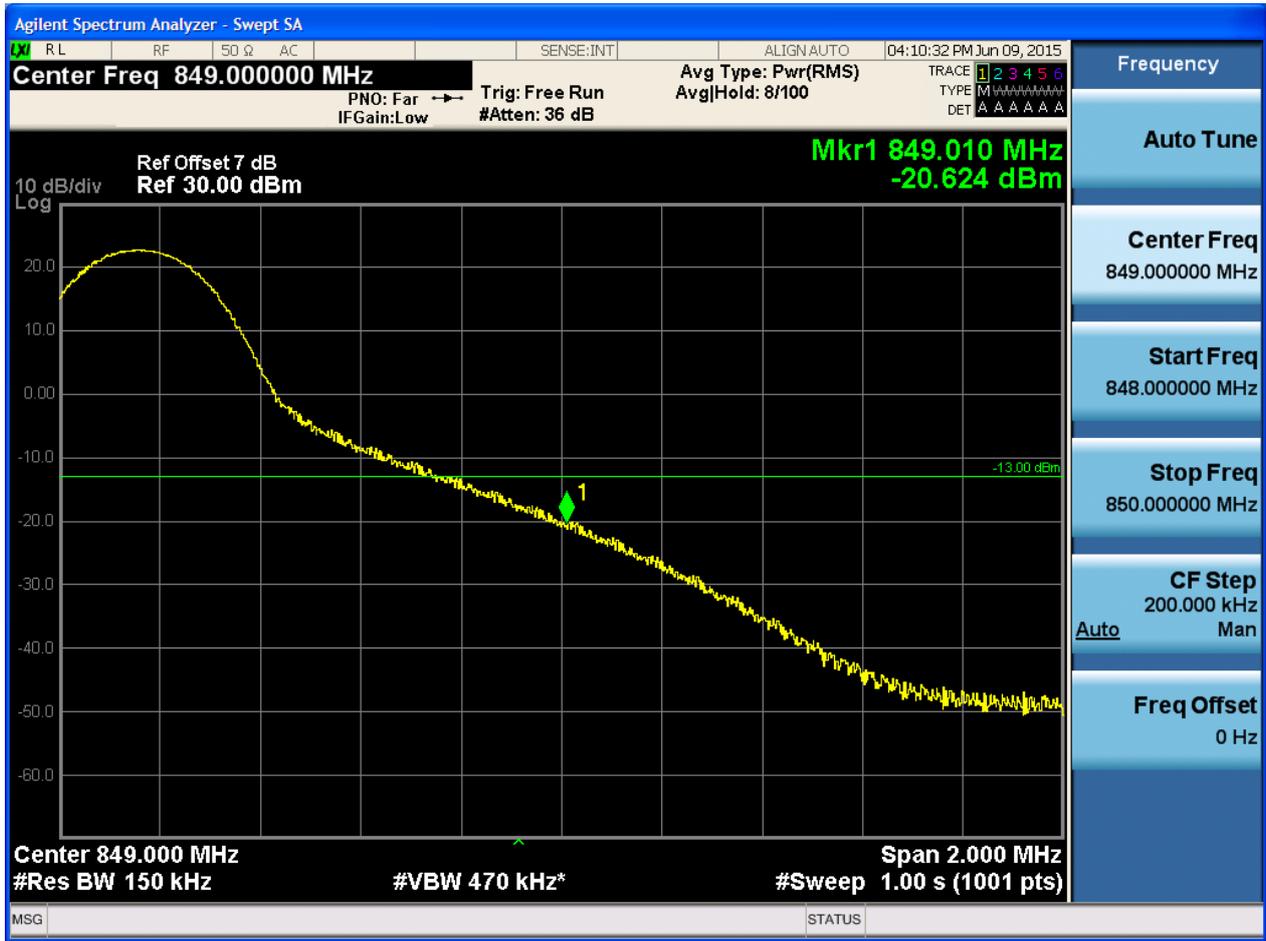
5.1.1.1.5.1.4 Test RB = RB75#0

5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0

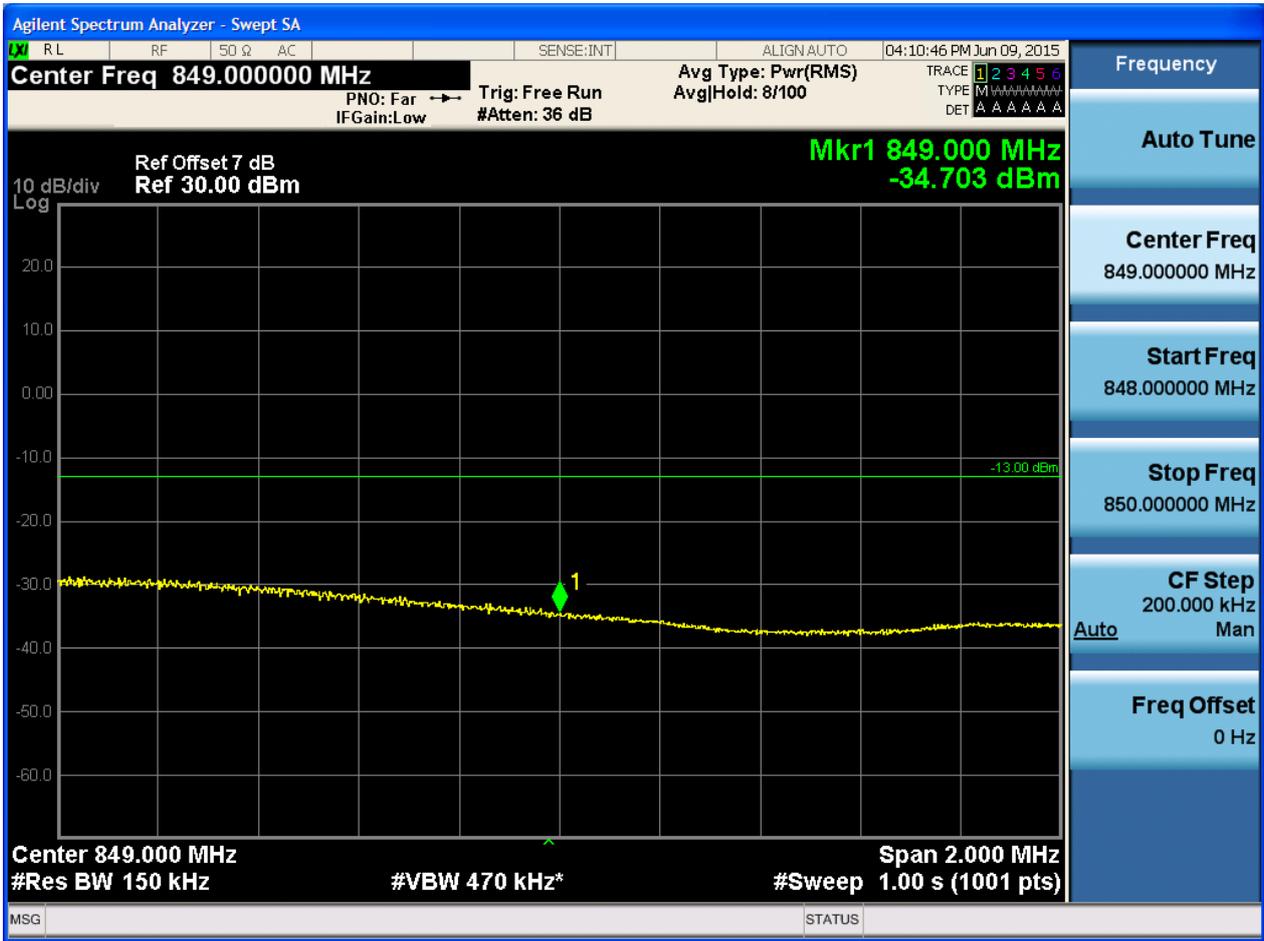## 5.1.1.1.5.2.2 Test RB = RB1#74

5.1.1.1.5.2.3 Test RB = RB38#19
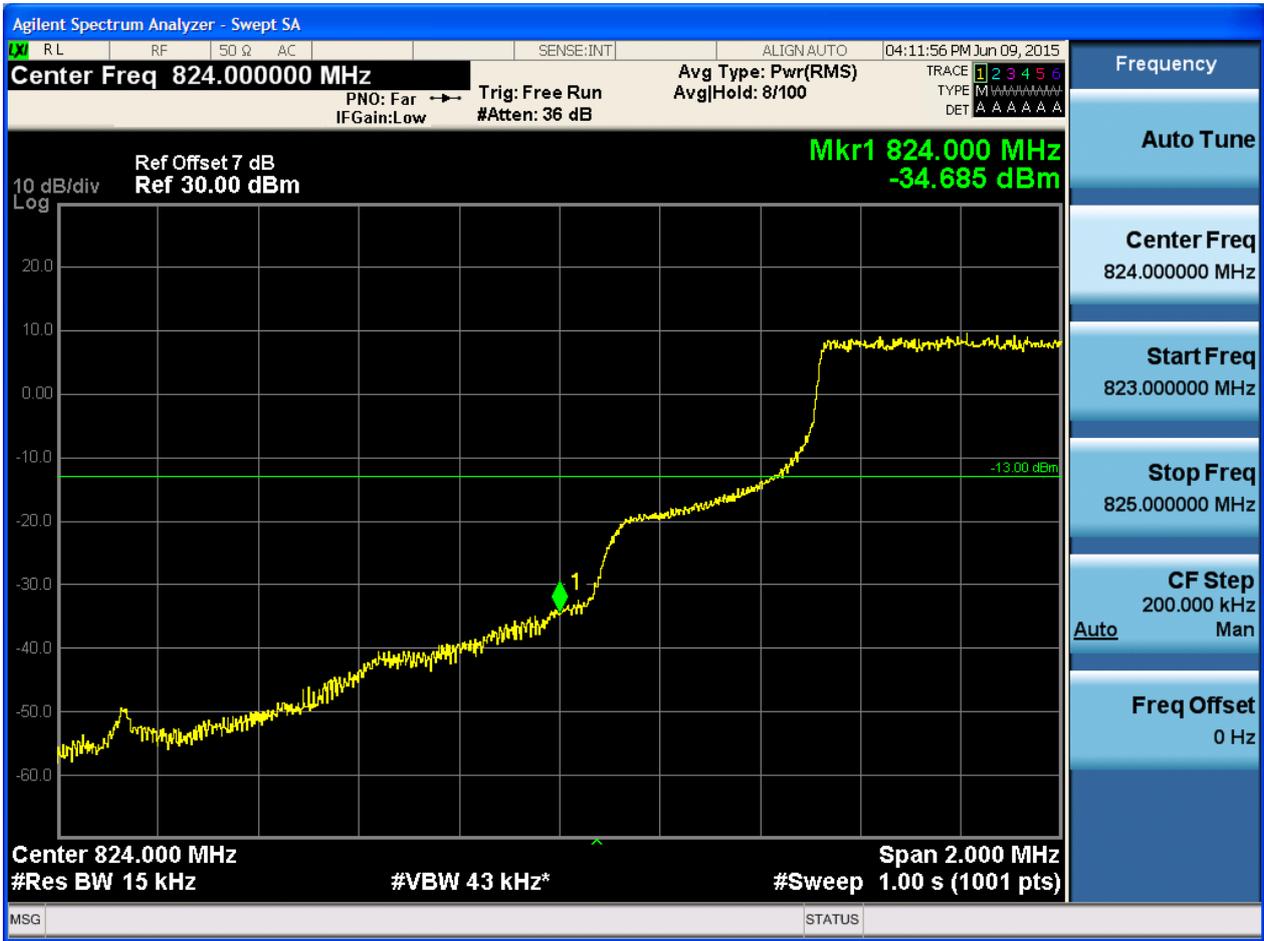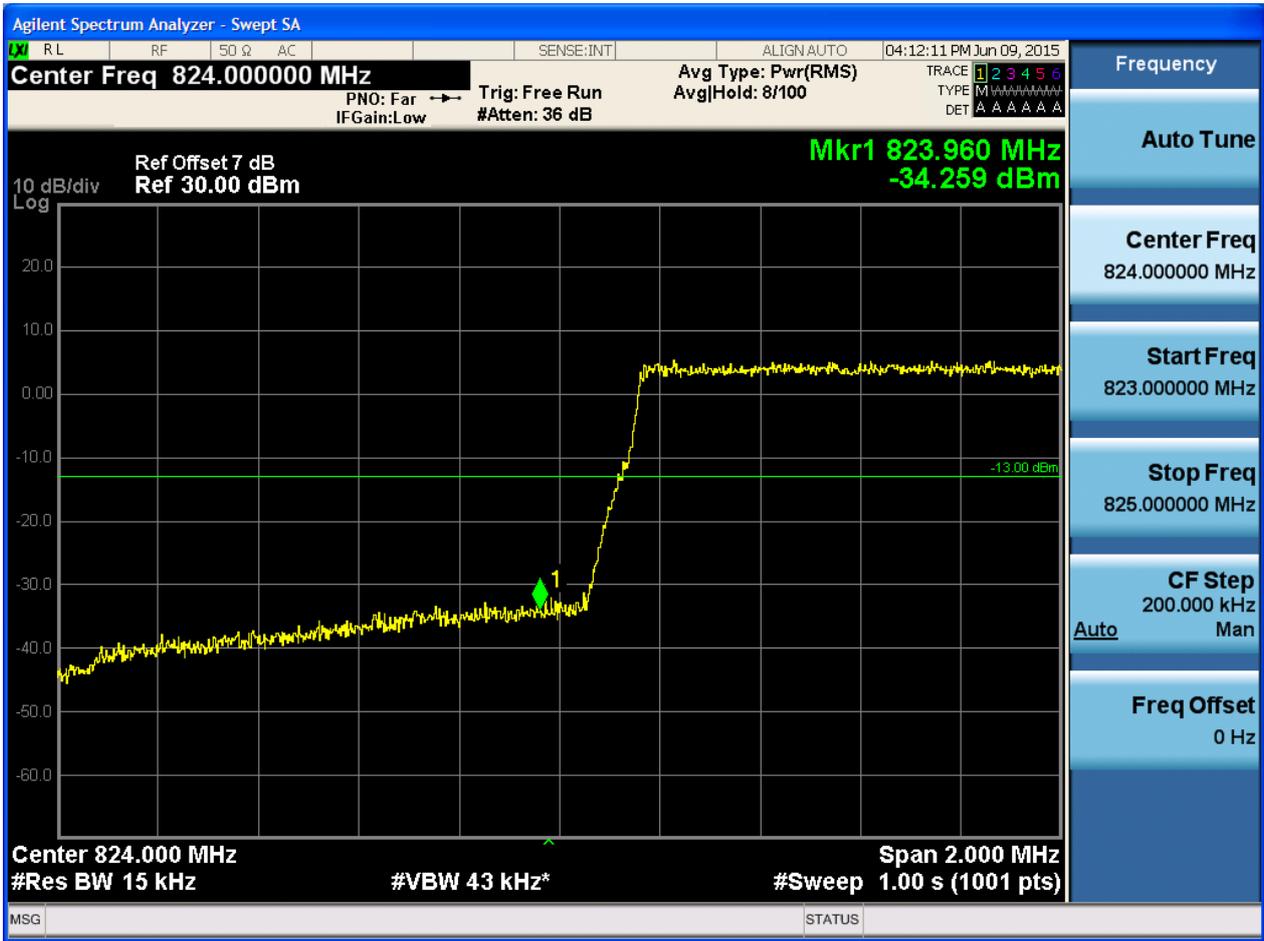
5.1.1.1.5.2.4 Test RB = RB75#0

5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0

5.1.1.2.1.1.2 Test RB = RB1#5

5.1.1.2.1.1.3 Test RB = RB3#2

5.1.1.2.1.1.4 Test RB = RB6#0

Agilent Spectrum Analyzer - Swept SA

LXI R L	RF 50 Ω AC SENSE:INT ALIGN AUTO 04:12:11 PM Jun 09, 2015

Center Freq 824.000000 MHz

PNO: Far →
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Avg Type: Pwr(RMS)
Avg|Hold: 8/100

TRACE 1 2 3 4 5 6
TYPE M wwwwww
DET A A A A A A

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 823.960 MHz
-34.259 dBm

20.0

10.0

0.00

-10.0   -13.00 dBm

-20.0

-30.0   1

-40.0

-50.0

-60.0

Center 824.000 MHz   Span 2.000 MHz
#Res BW 15 kHz   #VBW 43 kHz*   #Sweep 1.00 s (1001 pts)

MSG   STATUS

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
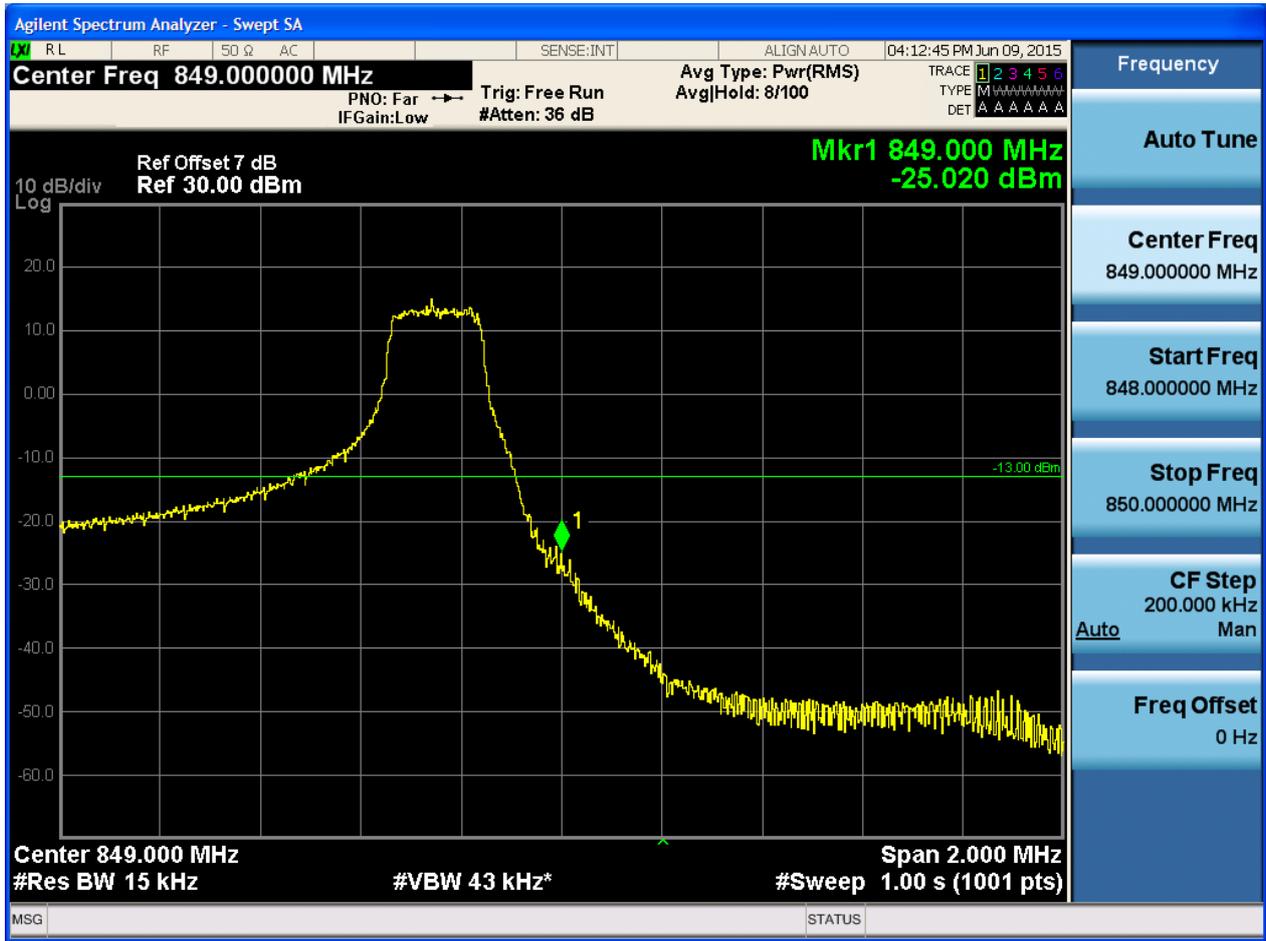Auto   Man

Freq Offset
0 Hz

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

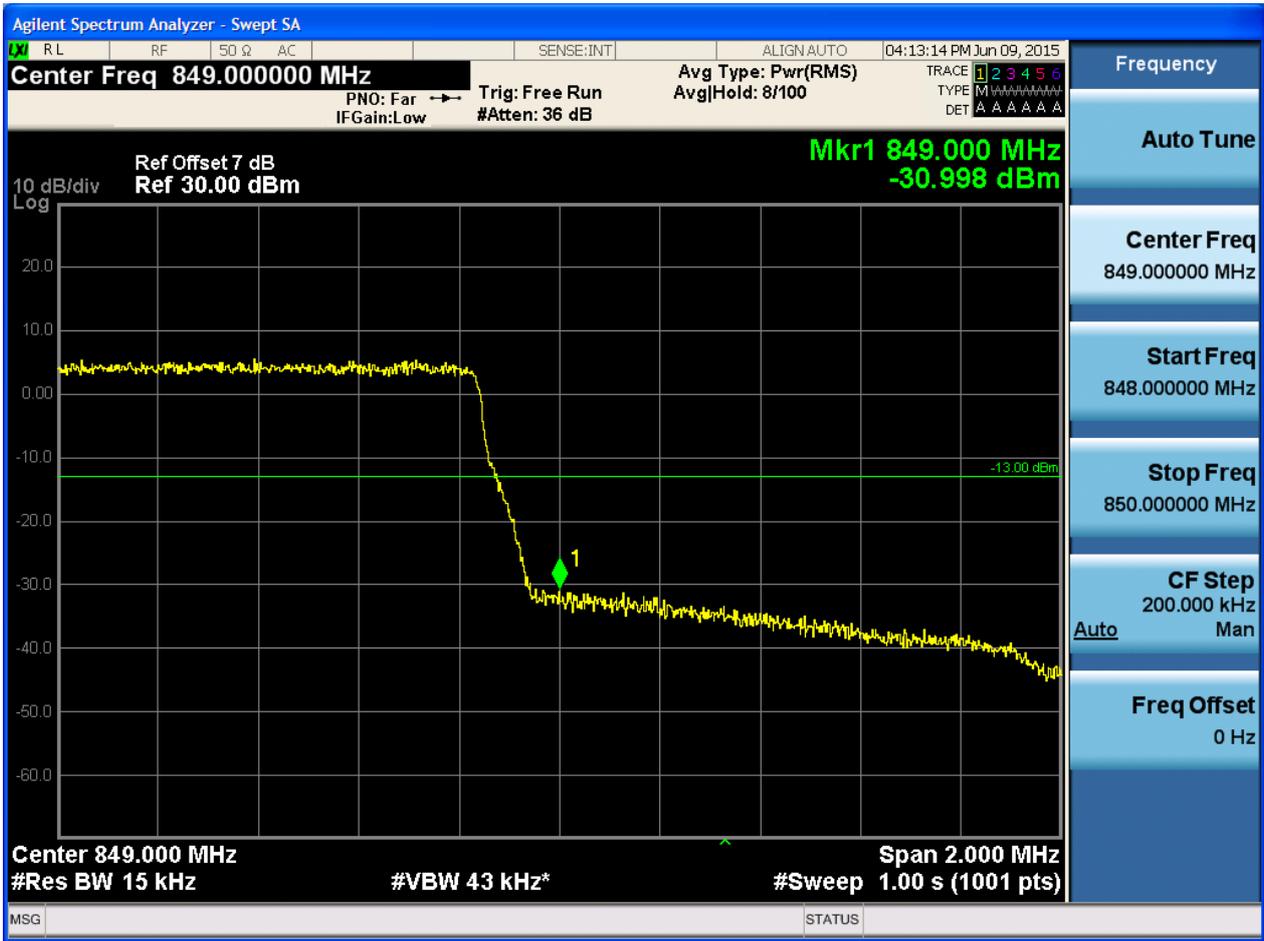## 5.1.1.2.1.2.4 Test RB = RB6#0

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