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	22.81	19.66	38.5	PASS
				RB1#3	22.78	19.63	38.5	PASS
				RB1#5	22.68	19.53	38.5	PASS
				RB3#0	22.54	19.39	38.5	PASS
				RB3#2	22.58	19.43	38.5	PASS
				RB3#3	22.52	19.37	38.5	PASS
				RB6#0	21.57	18.42	38.5	PASS
			MCH	RB1#0	22.62	19.47	38.5	PASS
				RB1#3	22.54	19.39	38.5	PASS
				RB1#5	22.55	19.4	38.5	PASS
				RB3#0	22.36	19.21	38.5	PASS
				RB3#2	22.43	19.28	38.5	PASS
				RB3#3	22.33	19.18	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.51	18.36	38.5	PASS
			HCH	RB1#0	22.71	19.56	38.5	PASS
				RB1#3	22.79	19.64	38.5	PASS
				RB1#5	22.66	19.51	38.5	PASS
				RB3#0	22.45	19.3	38.5	PASS
				RB3#2	22.53	19.38	38.5	PASS
				RB3#3	22.53	19.38	38.5	PASS
				RB6#0	21.63	18.48	38.5	PASS
		3	LCH	RB1#0	22.63	19.48	38.5	PASS
				RB1#7	22.45	19.3	38.5	PASS
				RB1#14	22.54	19.39	38.5	PASS
				RB8#0	21.63	18.48	38.5	PASS
				RB8#4	21.58	18.43	38.5	PASS
				RB8#7	21.53	18.38	38.5	PASS
				RB15#0	21.59	18.44	38.5	PASS
			MCH	RB1#0	22.54	19.39	38.5	PASS
				RB1#7	22.41	19.26	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.48	19.33	38.5	PASS
				RB8#0	21.5	18.35	38.5	PASS
				RB8#4	21.53	18.38	38.5	PASS
				RB8#7	21.46	18.31	38.5	PASS
				RB15#0	21.54	18.39	38.5	PASS
			HCH	RB1#0	22.51	19.36	38.5	PASS
				RB1#7	22.5	19.35	38.5	PASS
				RB1#14	22.56	19.41	38.5	PASS
				RB8#0	21.59	18.44	38.5	PASS
				RB8#4	21.66	18.51	38.5	PASS
				RB8#7	21.62	18.47	38.5	PASS
				RB15#0	21.74	18.59	38.5	PASS
		5	LCH	RB1#0	22.83	19.68	38.5	PASS
				RB1#13	22.78	19.63	38.5	PASS
				RB1#24	22.67	19.52	38.5	PASS
				RB12#0	21.64	18.49	38.5	PASS
				RB12#6	21.6	18.45	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.46	18.31	38.5	PASS
				RB25#0	21.67	18.52	38.5	PASS
			MCH	RB1#0	22.72	19.57	38.5	PASS
				RB1#13	22.65	19.5	38.5	PASS
				RB1#24	22.62	19.47	38.5	PASS
				RB12#0	21.45	18.3	38.5	PASS
				RB12#6	21.43	18.28	38.5	PASS
				RB12#13	21.44	18.29	38.5	PASS
				RB25#0	21.45	18.3	38.5	PASS
			HCH	RB1#0	22.8	19.65	38.5	PASS
				RB1#13	22.72	19.57	38.5	PASS
				RB1#24	22.71	19.56	38.5	PASS
				RB12#0	21.57	18.42	38.5	PASS
				RB12#6	21.66	18.51	38.5	PASS
				RB12#13	21.61	18.46	38.5	PASS
				RB25#0	21.68	18.53	38.5	PASS
		10	LCH	RB1#0	22.6	19.45	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.46	19.31	38.5	PASS
				RB1#49	22.45	19.3	38.5	PASS
				RB25#0	21.58	18.43	38.5	PASS
				RB25#13	21.51	18.36	38.5	PASS
				RB25#25	21.45	18.3	38.5	PASS
				RB50#0	21.58	18.43	38.5	PASS
			MCH	RB1#0	22.58	19.43	38.5	PASS
				RB1#25	22.45	19.3	38.5	PASS
				RB1#49	22.5	19.35	38.5	PASS
				RB25#0	21.55	18.4	38.5	PASS
				RB25#13	21.53	18.38	38.5	PASS
				RB25#25	21.52	18.37	38.5	PASS
				RB50#0	21.51	18.36	38.5	PASS
			HCH	RB1#0	22.48	19.33	38.5	PASS
				RB1#25	22.56	19.41	38.5	PASS
				RB1#49	22.65	19.5	38.5	PASS
				RB25#0	21.6	18.45	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.67	18.52	38.5	PASS
				RB25#25	21.58	18.43	38.5	PASS
				RB50#0	21.66	18.51	38.5	PASS
			LCH	RB1#0	22.76	19.61	38.5	PASS
				RB1#38	22.57	19.42	38.5	PASS
				RB1#74	22.49	19.34	38.5	PASS
				RB38#0	21.55	18.4	38.5	PASS
				RB38#19	21.57	18.42	38.5	PASS
				RB38#39	21.39	18.24	38.5	PASS
				RB75#0	21.49	18.34	38.5	PASS
		15		RB1#0	22.73	19.58	38.5	PASS
				RB1#38	22.5	19.35	38.5	PASS
				RB1#74	22.54	19.39	38.5	PASS
			MCH	RB38#0	21.54	18.39	38.5	PASS
				RB38#19	21.55	18.4	38.5	PASS
				RB38#39	21.48	18.33	38.5	PASS
				RB75#0	21.46	18.31	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.7	19.55	38.5	PASS
				RB1#38	22.55	19.4	38.5	PASS
				RB1#74	22.46	19.31	38.5	PASS
				RB38#0	21.53	18.38	38.5	PASS
				RB38#19	21.58	18.43	38.5	PASS
				RB38#39	21.47	18.32	38.5	PASS
				RB75#0	21.63	18.48	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.91	18.76	38.5	PASS
				RB1#3	21.93	18.78	38.5	PASS
				RB1#5	21.88	18.73	38.5	PASS
				RB3#0	21.72	18.57	38.5	PASS
				RB3#2	21.76	18.61	38.5	PASS
				RB3#3	21.76	18.61	38.5	PASS
				RB6#0	20.71	17.56	38.5	PASS
			MCH	RB1#0	21.8	18.65	38.5	PASS
				RB1#3	21.85	18.7	38.5	PASS
				RB1#5	21.84	18.69	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB3#0	21.61	18.46	38.5	PASS
				RB3#2	21.65	18.5	38.5	PASS
				RB3#3	21.58	18.43	38.5	PASS
				RB6#0	20.64	17.49	38.5	PASS
			HCH	RB1#0	21.83	18.68	38.5	PASS
				RB1#3	21.88	18.73	38.5	PASS
				RB1#5	21.8	18.65	38.5	PASS
				RB3#0	21.72	18.57	38.5	PASS
				RB3#2	21.86	18.71	38.5	PASS
				RB3#3	21.79	18.64	38.5	PASS
				RB6#0	20.72	17.57	38.5	PASS
		3	LCH	RB1#0	22.18	19.03	38.5	PASS
				RB1#7	22.01	18.86	38.5	PASS
				RB1#14	22.05	18.9	38.5	PASS
				RB8#0	20.71	17.56	38.5	PASS
				RB8#4	20.72	17.57	38.5	PASS
				RB8#7	20.62	17.47	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.63	17.48	38.5	PASS
			MCH	RB1#0	22.09	18.94	38.5	PASS
				RB1#7	21.96	18.81	38.5	PASS
				RB1#14	21.82	18.67	38.5	PASS
				RB8#0	20.52	17.37	38.5	PASS
				RB8#4	20.61	17.46	38.5	PASS
				RB8#7	20.55	17.4	38.5	PASS
				RB15#0	20.56	17.41	38.5	PASS
			HCH	RB1#0	22.18	19.03	38.5	PASS
				RB1#7	22.06	18.91	38.5	PASS
				RB1#14	22.18	19.03	38.5	PASS
				RB8#0	20.68	17.53	38.5	PASS
				RB8#4	20.76	17.61	38.5	PASS
				RB8#7	20.78	17.63	38.5	PASS
				RB15#0	20.63	17.48	38.5	PASS
		5	LCH	RB1#0	21.9	18.75	38.5	PASS
				RB1#13	21.8	18.65	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#24	21.72	18.57	38.5	PASS
				RB12#0	20.7	17.55	38.5	PASS
				RB12#6	20.6	17.45	38.5	PASS
				RB12#13	20.52	17.37	38.5	PASS
				RB25#0	20.59	17.44	38.5	PASS
			MCH	RB1#0	21.87	18.72	38.5	PASS
				RB1#13	21.79	18.64	38.5	PASS
				RB1#24	21.71	18.56	38.5	PASS
				RB12#0	20.45	17.3	38.5	PASS
				RB12#6	20.48	17.33	38.5	PASS
				RB12#13	20.44	17.29	38.5	PASS
				RB25#0	20.42	17.27	38.5	PASS
			HCH	RB1#0	21.85	18.7	38.5	PASS
				RB1#13	22	18.85	38.5	PASS
				RB1#24	21.89	18.74	38.5	PASS
				RB12#0	20.6	17.45	38.5	PASS
				RB12#6	20.59	17.44	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	20.61	17.46	38.5	PASS
				RB25#0	20.63	17.48	38.5	PASS
			LCH	RB1#0	22.17	19.02	38.5	PASS
				RB1#25	22.06	18.91	38.5	PASS
				RB1#49	21.78	18.63	38.5	PASS
				RB25#0	20.57	17.42	38.5	PASS
				RB25#13	20.5	17.35	38.5	PASS
				RB25#25	20.41	17.26	38.5	PASS
				RB50#0	20.54	17.39	38.5	PASS
		10	MCH	RB1#0	21.93	18.78	38.5	PASS
				RB1#25	22.1	18.95	38.5	PASS
				RB1#49	21.95	18.8	38.5	PASS
				RB25#0	20.53	17.38	38.5	PASS
				RB25#13	20.55	17.4	38.5	PASS
				RB25#25	20.48	17.33	38.5	PASS
				RB50#0	20.52	17.37	38.5	PASS
			HCH	RB1#0	22.06	18.91	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.05	18.9	38.5	PASS
				RB1#49	22.21	19.06	38.5	PASS
				RB25#0	20.59	17.44	38.5	PASS
				RB25#13	20.63	17.48	38.5	PASS
				RB25#25	20.56	17.41	38.5	PASS
				RB50#0	20.59	17.44	38.5	PASS
			LCH	RB1#0	22.1	18.95	38.5	PASS
				RB1#38	21.8	18.65	38.5	PASS
				RB1#74	21.78	18.63	38.5	PASS
		15		RB38#0	20.59	17.44	38.5	PASS
				RB38#19	20.57	17.42	38.5	PASS
				RB38#39	20.37	17.22	38.5	PASS
				RB75#0	20.48	17.33	38.5	PASS
			MCH	RB1#0	21.95	18.8	38.5	PASS
				RB1#38	21.76	18.61	38.5	PASS
				RB1#74	21.82	18.67	38.5	PASS
				RB38#0	20.56	17.41	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB38#19	20.48	17.33	38.5	PASS
				RB38#39	20.53	17.38	38.5	PASS
				RB75#0	20.52	17.37	38.5	PASS
			HCH	RB1#0	22.03	18.88	38.5	PASS
				RB1#38	21.81	18.66	38.5	PASS
				RB1#74	21.95	18.8	38.5	PASS
				RB38#0	20.51	17.36	38.5	PASS
				RB38#19	20.57	17.42	38.5	PASS
				RB38#39	20.51	17.36	38.5	PASS
				RB75#0	20.65	17.5	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
BAND26	LTE/TM1	1.4	LCH	RB1#0	3.45	13	PASS
				RB1#3	3.32	13	PASS
				RB1#5	3.48	13	PASS
				RB3#0	4	13	PASS
				RB3#2	3.91	13	PASS
				RB3#3	4.02	13	PASS
				RB6#0	5.61	13	PASS
			MCH	RB1#0	3.48	13	PASS
				RB1#3	3.35	13	PASS
				RB1#5	3.49	13	PASS
				RB3#0	3.98	13	PASS
				RB3#2	3.98	13	PASS
				RB3#3	4	13	PASS
				RB6#0	5.8	13	PASS
			HCH	RB1#0	3.3	13	PASS
				RB1#3	3.14	13	PASS
				RB1#5	3.22	13	PASS
				RB3#0	3.87	13	PASS
				RB3#2	3.71	13	PASS
				RB3#3	3.79	13	PASS
				RB6#0	5.39	13	PASS
		3	LCH	RB1#0	3.42	13	PASS
				RB1#7	3.35	13	PASS
				RB1#14	3.38	13	PASS
				RB8#0	4.93	13	PASS
				RB8#4	4.93	13	PASS
				RB8#7	5	13	PASS
				RB15#0	5.44	13	PASS
			MCH	RB1#0	3.45	13	PASS
				RB1#7	3.38	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	3.39	13	PASS
				RB8#0	5.09	13	PASS
				RB8#4	4.97	13	PASS
				RB8#7	5.05	13	PASS
				RB15#0	5.29	13	PASS
			HCH	RB1#0	3.39	13	PASS
				RB1#7	3.25	13	PASS
				RB1#14	3.16	13	PASS
				RB8#0	4.82	13	PASS
				RB8#4	4.63	13	PASS
				RB8#7	4.69	13	PASS
				RB15#0	5.04	13	PASS
		5	LCH	RB1#0	3.25	13	PASS
				RB1#13	3.18	13	PASS
				RB1#24	3.28	13	PASS
				RB12#0	4.86	13	PASS
				RB12#6	4.76	13	PASS
				RB12#13	4.89	13	PASS
				RB25#0	5.46	13	PASS
			MCH	RB1#0	3.29	13	PASS
				RB1#13	3.2	13	PASS
				RB1#24	3.26	13	PASS
				RB12#0	4.98	13	PASS
				RB12#6	4.8	13	PASS
				RB12#13	4.86	13	PASS
				RB25#0	5.45	13	PASS
			HCH	RB1#0	3.24	13	PASS
				RB1#13	3.14	13	PASS
				RB1#24	3.06	13	PASS
				RB12#0	4.83	13	PASS
				RB12#6	4.64	13	PASS
				RB12#13	4.71	13	PASS
				RB25#0	5.18	13	PASS
		10	LCH	RB1#0	3.37	13	PASS
				RB1#25	3.38	13	PASS
				RB1#49	3.39	13	PASS
				RB25#0	4.89	13	PASS
				RB25#13	4.85	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	6.01	13	PASS
			MCH	RB1#0	3.43	13	PASS
				RB1#25	3.38	13	PASS
				RB1#49	3.35	13	PASS
				RB25#0	4.92	13	PASS
				RB25#13	4.88	13	PASS
				RB25#25	4.82	13	PASS
				RB50#0	5.12	13	PASS
			HCH	RB1#0	3.38	13	PASS
				RB1#25	3.36	13	PASS
				RB1#49	3.16	13	PASS
				RB25#0	4.88	13	PASS
				RB25#13	4.81	13	PASS
				RB25#25	4.85	13	PASS
				RB50#0	5.9	13	PASS
			LCH	RB1#0	3.38	13	PASS
				RB1#38	3.43	13	PASS
				RB1#74	3.41	13	PASS
				RB38#0	4.95	13	PASS
				RB38#19	4.9	13	PASS
				RB38#39	4.93	13	PASS
				RB75#0	6.15	13	PASS
			MCH	RB1#0	3.37	13	PASS
				RB1#38	3.35	13	PASS
				RB1#74	3.38	13	PASS
		15		RB38#0	4.95	13	PASS
				RB38#19	4.83	13	PASS
				RB38#39	4.92	13	PASS
				RB75#0	6.2	13	PASS
			HCH	RB1#0	3.35	13	PASS
				RB1#38	3.36	13	PASS
				RB1#74	3.23	13	PASS
				RB38#0	4.92	13	PASS
				RB38#19	4.98	13	PASS
				RB38#39	5.27	13	PASS
				RB75#0	6.38	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.54	13	PASS
				RB1#3	4.32	13	PASS
				RB1#5	4.5	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB3#0	4.84	13	PASS
				RB3#2	4.63	13	PASS
				RB3#3	4.85	13	PASS
				RB6#0	6.12	13	PASS
			MCH	RB1#0	4.58	13	PASS
				RB1#3	4.35	13	PASS
				RB1#5	4.5	13	PASS
				RB3#0	4.86	13	PASS
				RB3#2	4.66	13	PASS
				RB3#3	4.88	13	PASS
				RB6#0	6.15	13	PASS
			HCH	RB1#0	4.39	13	PASS
				RB1#3	4.14	13	PASS
				RB1#5	4.19	13	PASS
				RB3#0	4.64	13	PASS
				RB3#2	4.39	13	PASS
				RB3#3	4.58	13	PASS
				RB6#0	5.92	13	PASS
			LCH	RB1#0	4.01	13	PASS
				RB1#7	3.96	13	PASS
				RB1#14	4.03	13	PASS
				RB8#0	5.83	13	PASS
				RB8#4	5.69	13	PASS
				RB8#7	5.79	13	PASS
				RB15#0	6.46	13	PASS
		3	MCH	RB1#0	4.05	13	PASS
				RB1#7	3.98	13	PASS
				RB1#14	4.06	13	PASS
				RB8#0	5.85	13	PASS
				RB8#4	5.71	13	PASS
				RB8#7	5.76	13	PASS
				RB15#0	6.32	13	PASS
			HCH	RB1#0	3.98	13	PASS
				RB1#7	3.87	13	PASS
				RB1#14	3.78	13	PASS
				RB8#0	5.74	13	PASS
				RB8#4	5.49	13	PASS
				RB8#7	5.55	13	PASS
				RB15#0	6.26	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5	LCH	RB1#0	4.2	13	PASS
				RB1#13	4.12	13	PASS
				RB1#24	4.22	13	PASS
				RB12#0	5.74	13	PASS
				RB12#6	5.71	13	PASS
				RB12#13	5.82	13	PASS
				RB25#0	6.41	13	PASS
			MCH	RB1#0	4.24	13	PASS
				RB1#13	4.14	13	PASS
				RB1#24	4.24	13	PASS
				RB12#0	5.91	13	PASS
				RB12#6	5.88	13	PASS
				RB12#13	5.87	13	PASS
				RB25#0	6.43	13	PASS
			HCH	RB1#0	4.18	13	PASS
				RB1#13	4.06	13	PASS
				RB1#24	3.93	13	PASS
				RB12#0	5.76	13	PASS
				RB12#6	5.66	13	PASS
				RB12#13	5.6	13	PASS
				RB25#0	6.32	13	PASS
		10	LCH	RB1#0	4.46	13	PASS
				RB1#25	4.48	13	PASS
				RB1#49	4.5	13	PASS
				RB25#0	6	13	PASS
				RB25#13	5.9	13	PASS
				RB25#25	6.1	13	PASS
				RB50#0	6.37	13	PASS
			MCH	RB1#0	4.48	13	PASS
				RB1#25	4.52	13	PASS
				RB1#49	4.45	13	PASS
				RB25#0	6.11	13	PASS
				RB25#13	5.91	13	PASS
				RB25#25	5.97	13	PASS
				RB50#0	6.17	13	PASS
			HCH	RB1#0	4.49	13	PASS
				RB1#25	4.46	13	PASS
				RB1#49	4.21	13	PASS
				RB25#0	5.96	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	5.8	13	PASS
				RB25#25	6.09	13	PASS
				RB50#0	6.39	13	PASS
			LCH	RB1#0	4.49	13	PASS
				RB1#38	4.51	13	PASS
				RB1#74	4.49	13	PASS
				RB38#0	5.98	13	PASS
				RB38#19	5.93	13	PASS
				RB38#39	5.96	13	PASS
				RB75#0	6.84	13	PASS
			MCH	RB1#0	4.52	13	PASS
				RB1#38	4.51	13	PASS
				RB1#74	4.48	13	PASS
		15		RB38#0	6.08	13	PASS
				RB38#19	5.97	13	PASS
				RB38#39	5.95	13	PASS
				RB75#0	6.94	13	PASS
			HCH	RB1#0	4.52	13	PASS
				RB1#38	4.46	13	PASS
				RB1#74	4.34	13	PASS
				RB38#0	6.11	13	PASS
				RB38#19	5.93	13	PASS
				RB38#39	6.16	13	PASS
				RB75#0	6.99	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
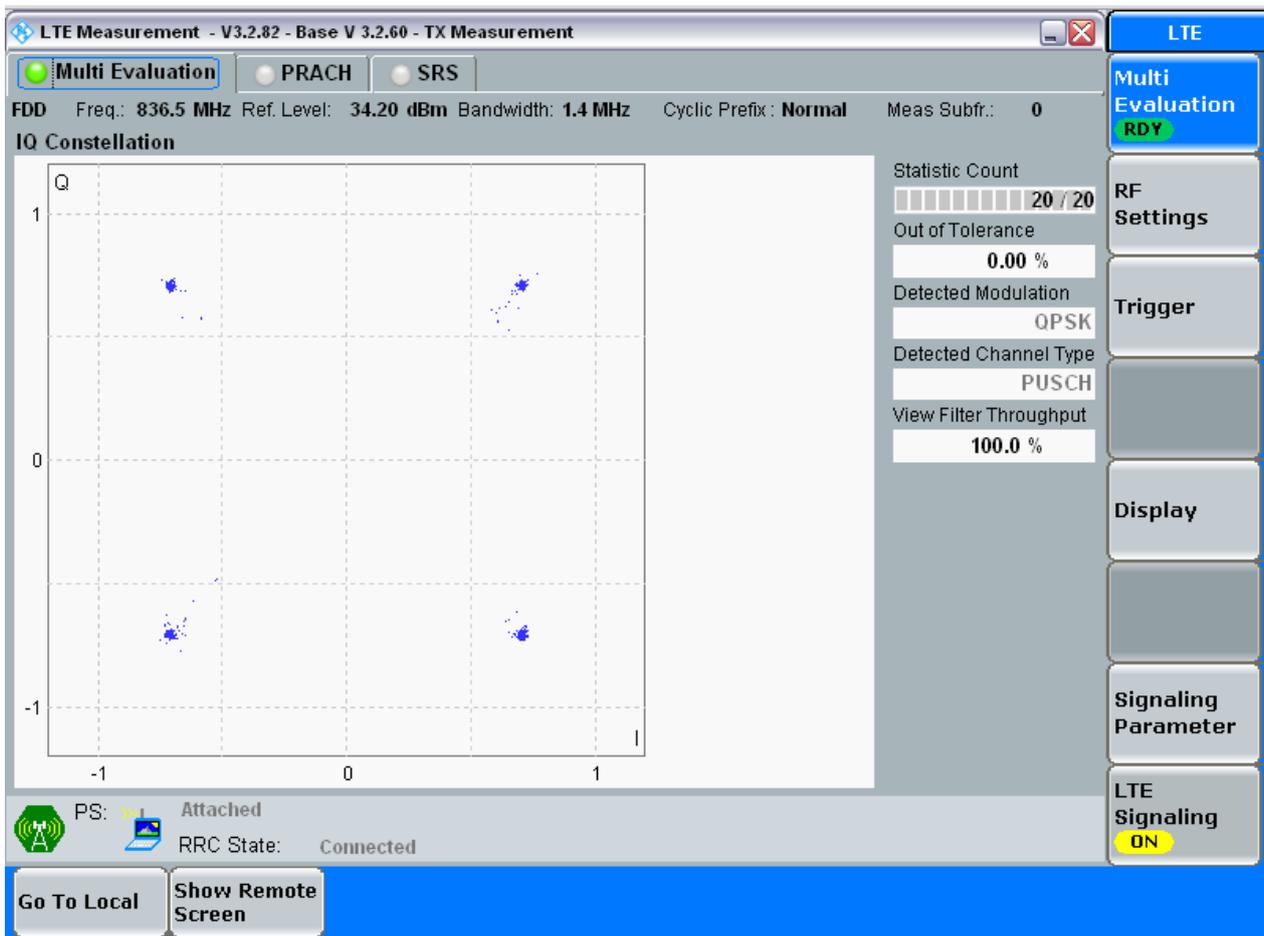
3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

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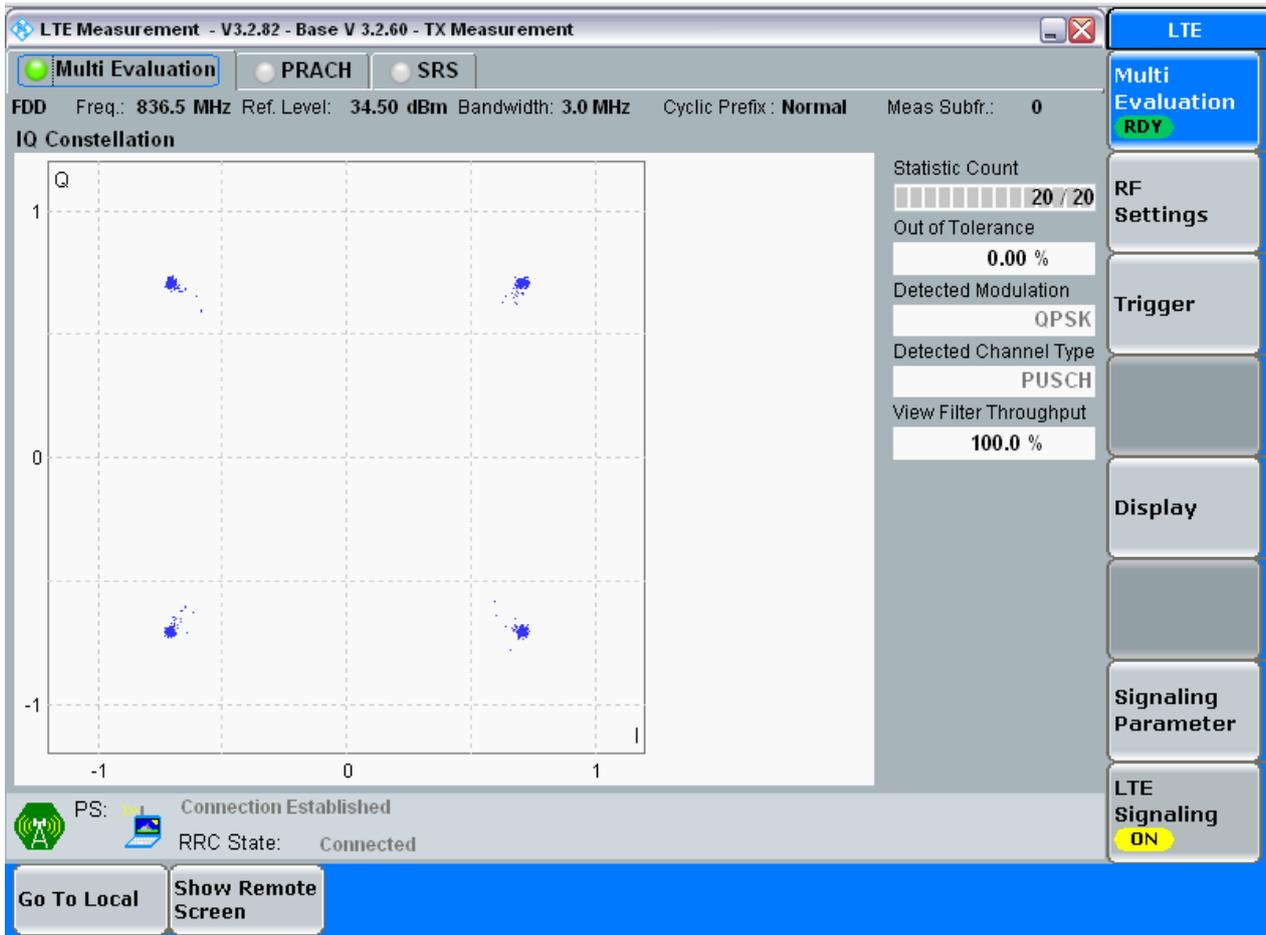
3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

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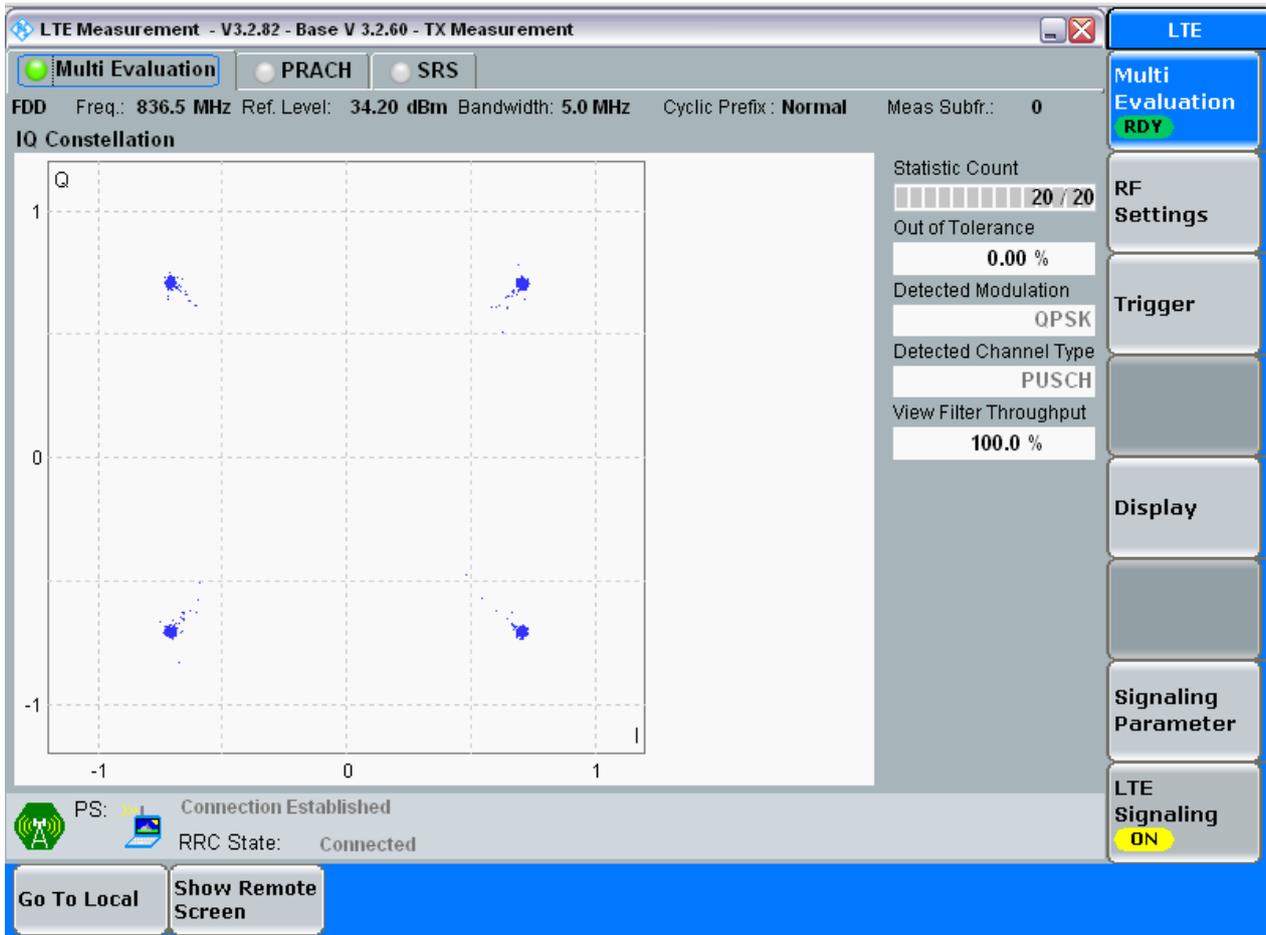
3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

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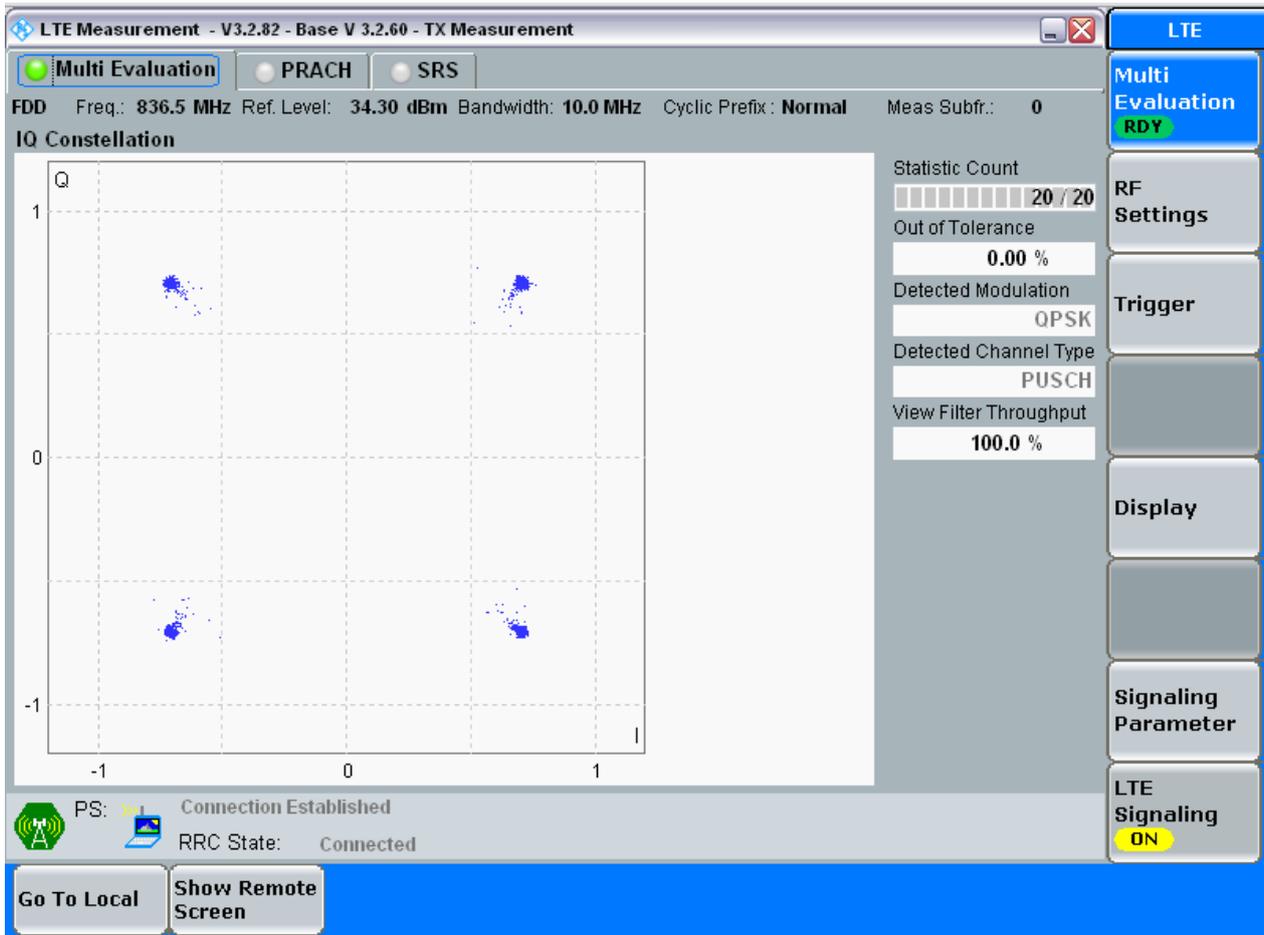
3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

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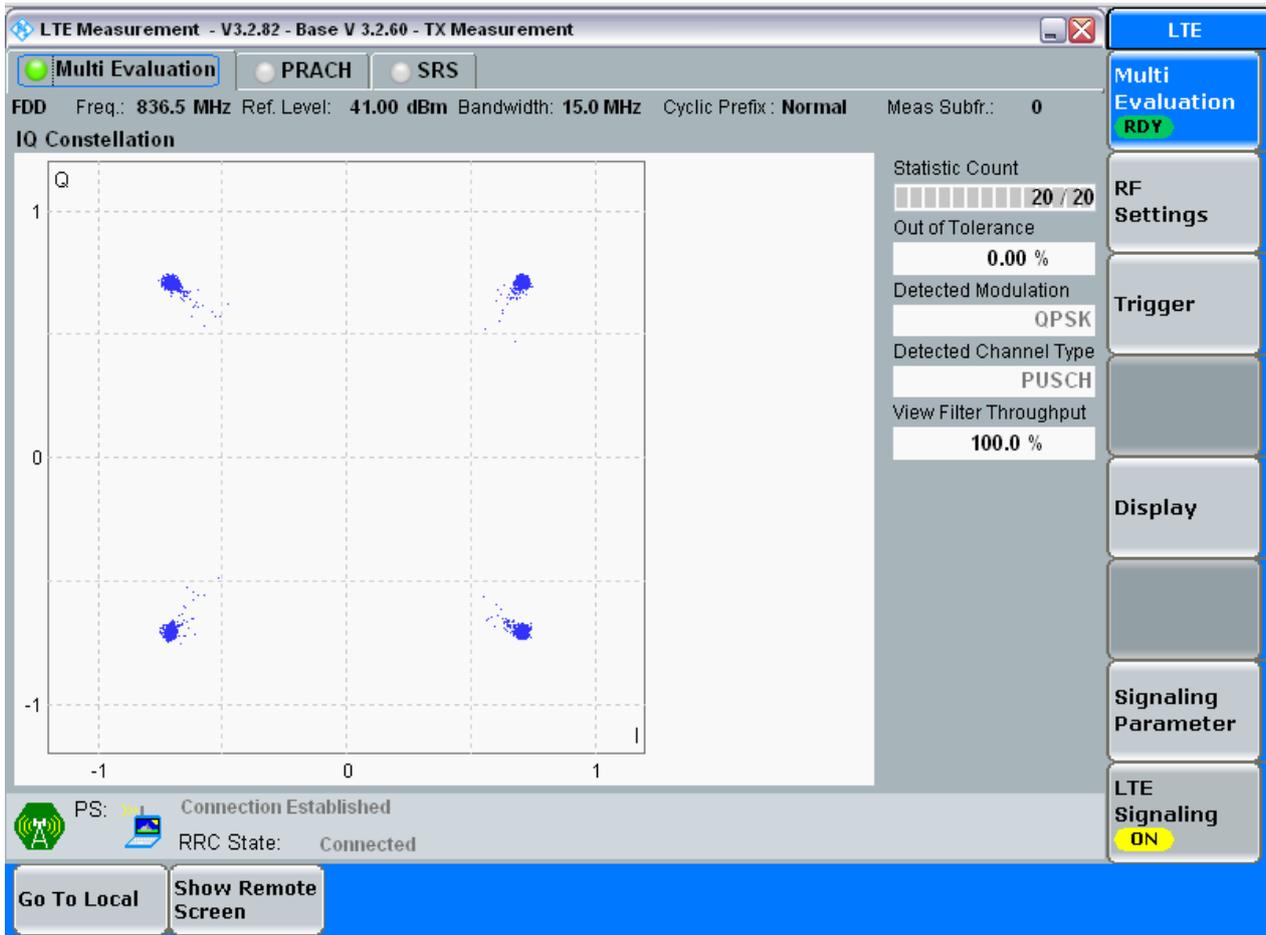
3.1.1.2 Test Mode = LTE/TM2

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
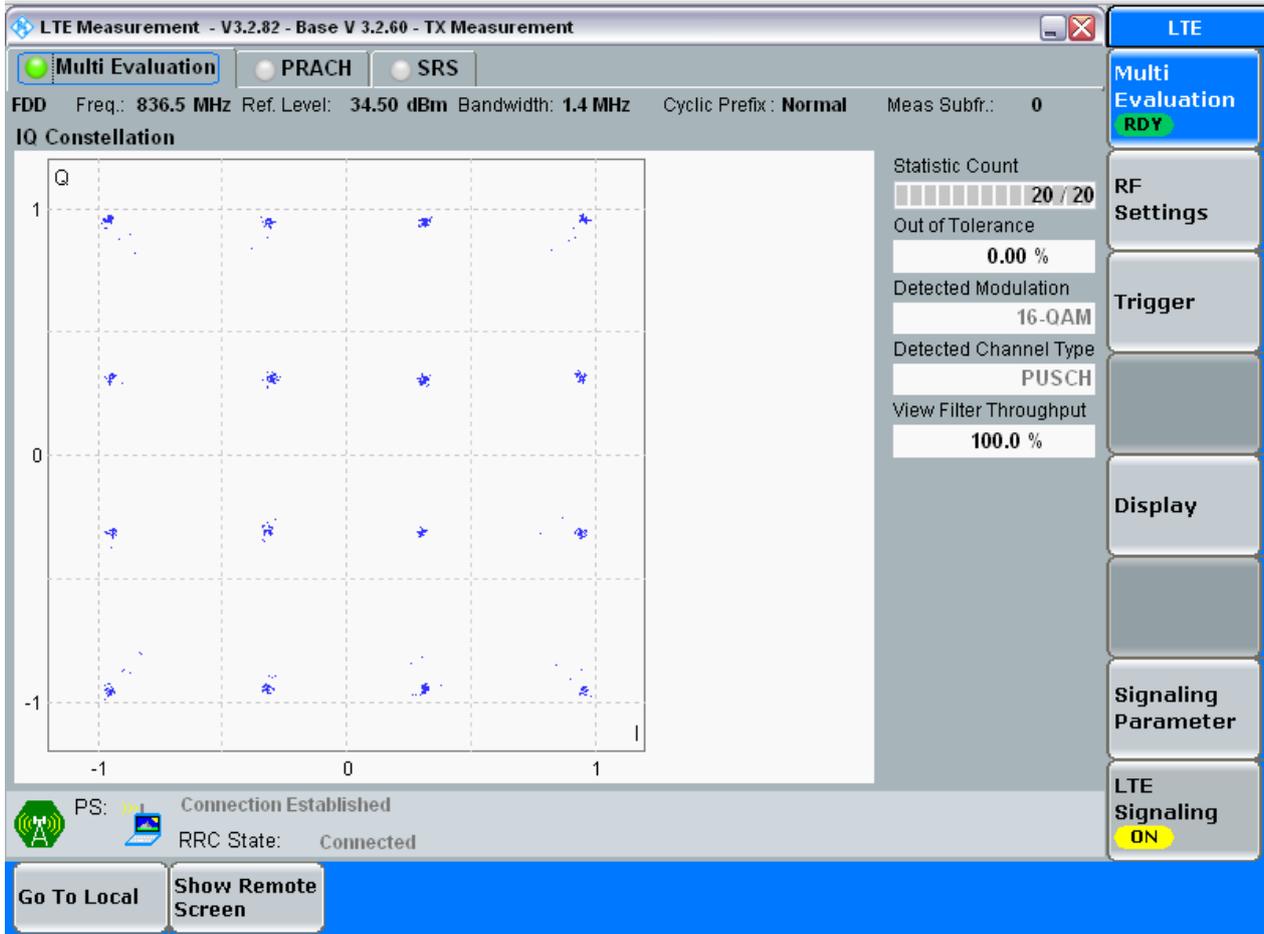
3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

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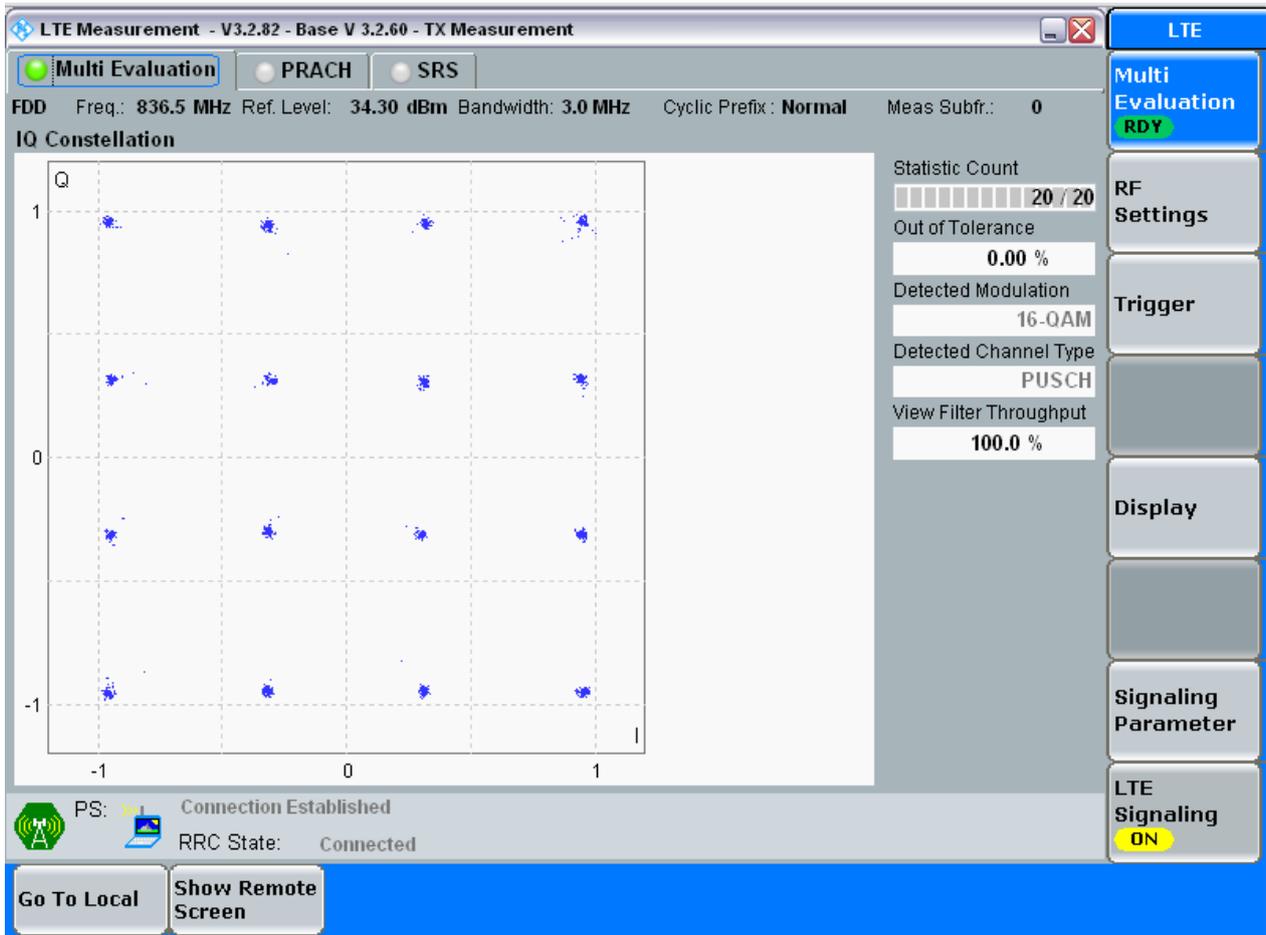
3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

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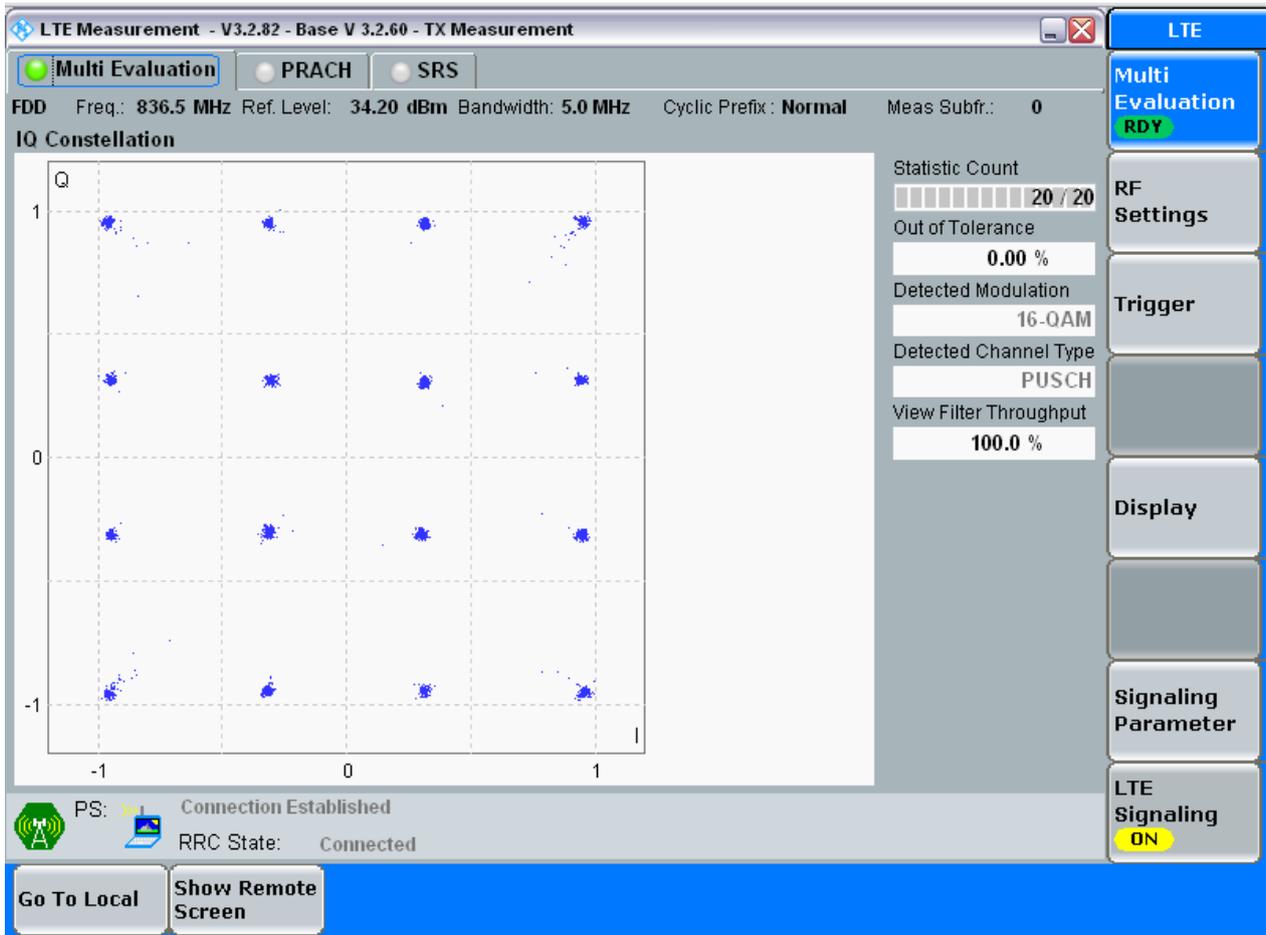
3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

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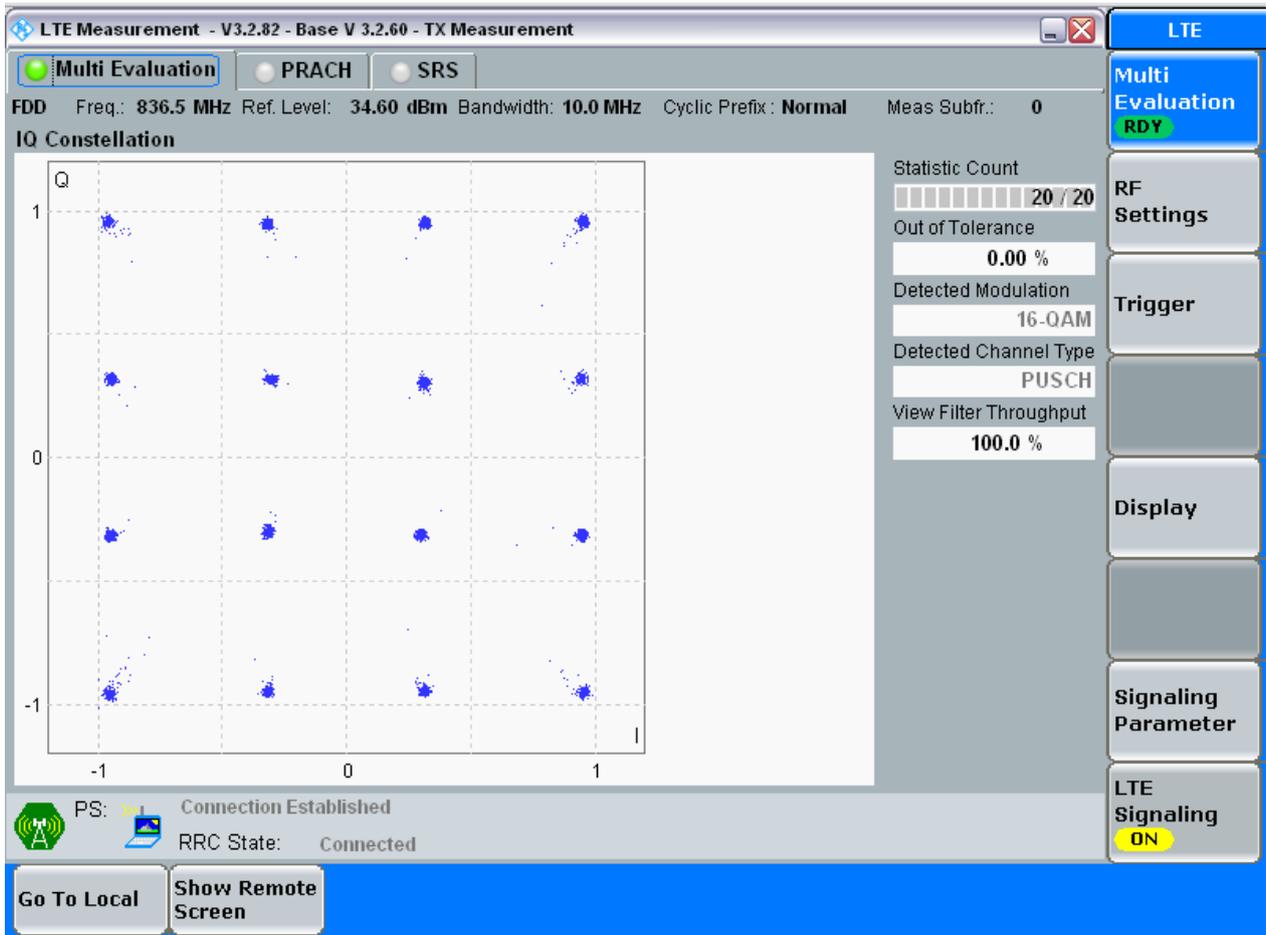
3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

3.1.1.2.5.1.1 Test RB = RB75#0
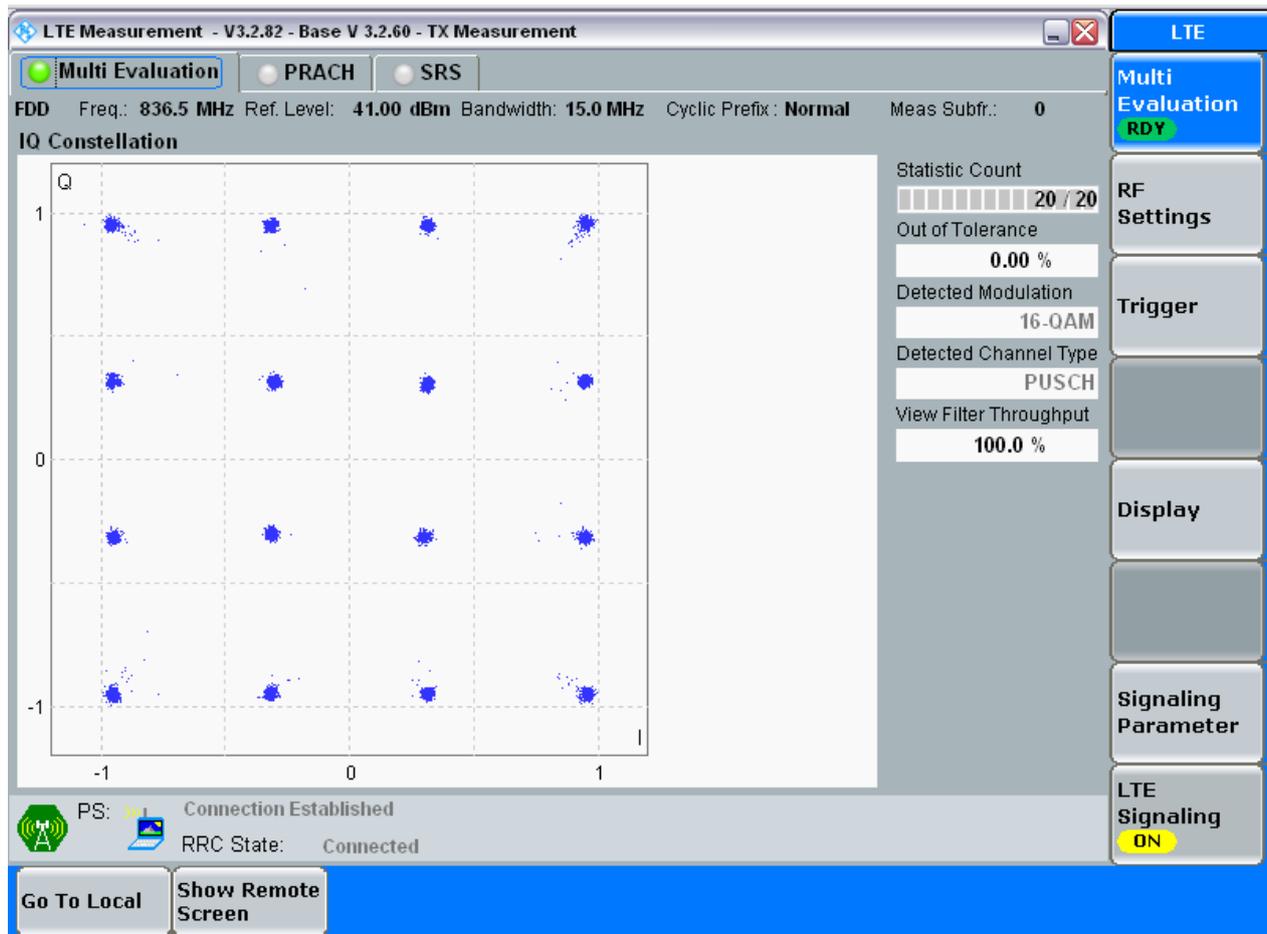
4Appendix_D: Bandwidth

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	1.22	Pass
			MCH	RB6#0	1.09	1.22	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.70	2.95	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.50	4.86	Pass
			MCH	RB25#0	4.50	4.86	Pass
			HCH	RB25#0	4.49	4.85	Pass
		10	LCH	RB50#0	8.99	9.58	Pass
			MCH	RB50#0	8.98	9.56	Pass
			HCH	RB50#0	8.96	9.57	Pass
		15	LCH	RB75#0	13.46	14.29	Pass
			MCH	RB75#0	13.47	14.29	Pass
			HCH	RB75#0	13.48	14.26	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.23	Pass
			MCH	RB6#0	1.09	1.22	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.70	2.95	Pass
			MCH	RB15#0	2.70	2.95	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.51	4.86	Pass
			MCH	RB25#0	4.50	4.85	Pass
			HCH	RB25#0	4.49	4.83	Pass
		10	LCH	RB50#0	8.99	9.59	Pass
			MCH	RB50#0	8.97	9.54	Pass
			HCH	RB50#0	8.97	9.53	Pass
		15	LCH	RB75#0	13.47	14.28	Pass
			MCH	RB75#0	13.48	14.27	Pass
			HCH	RB75#0	13.48	14.28	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
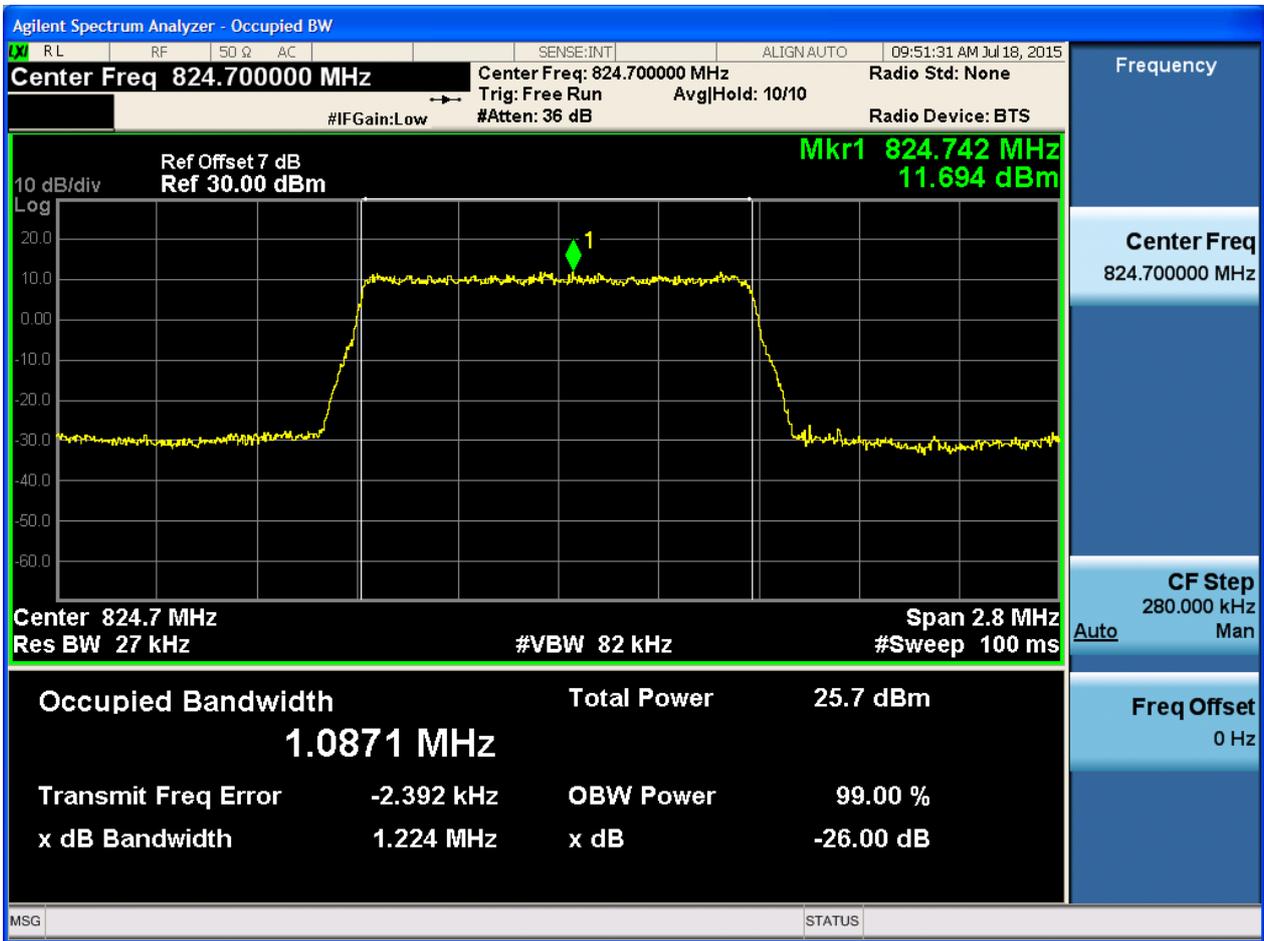
4.1.1.1.1.2 Test Channel = MCH

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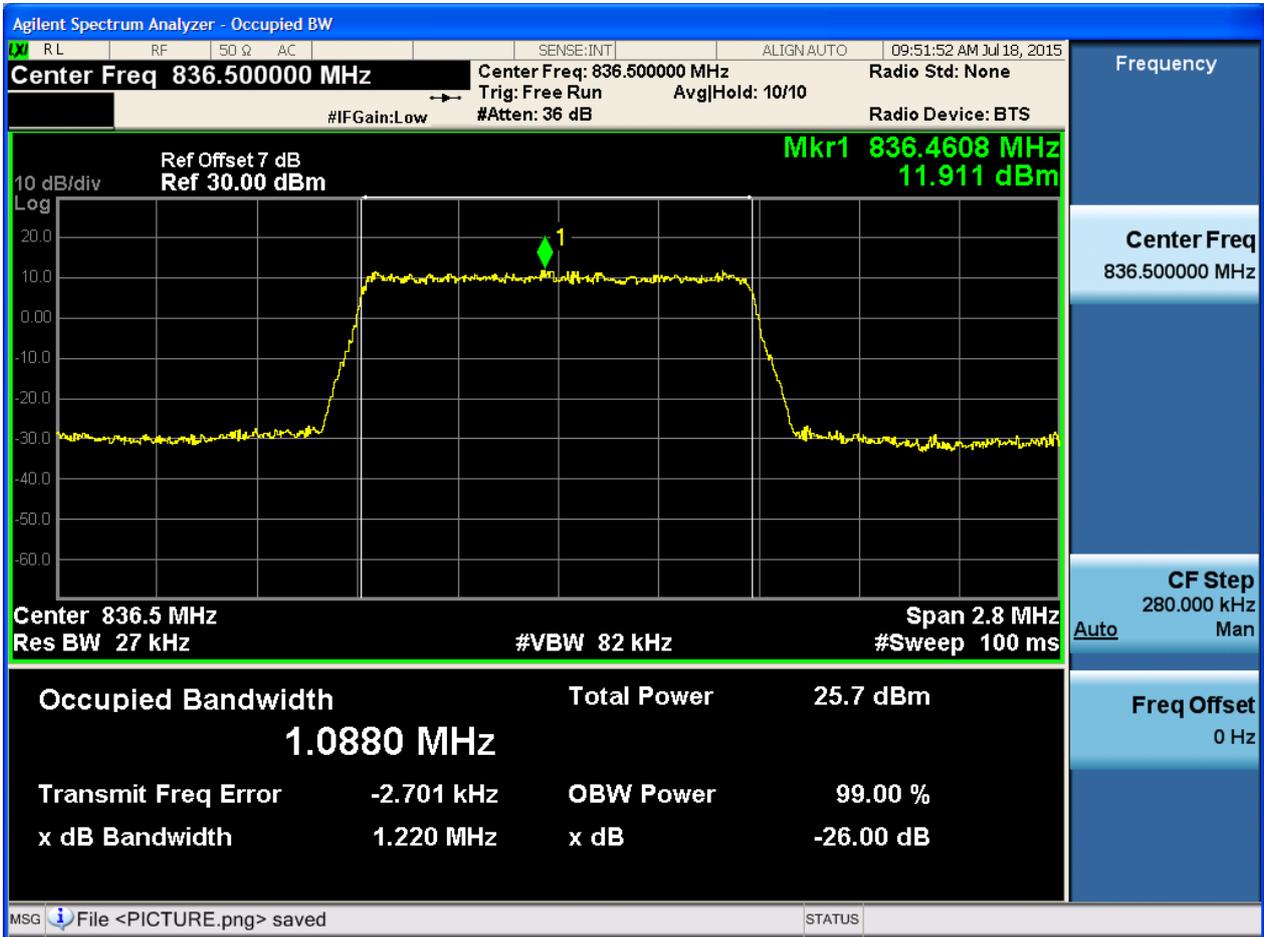
4.1.1.1.1.3 Test Channel = HCH

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
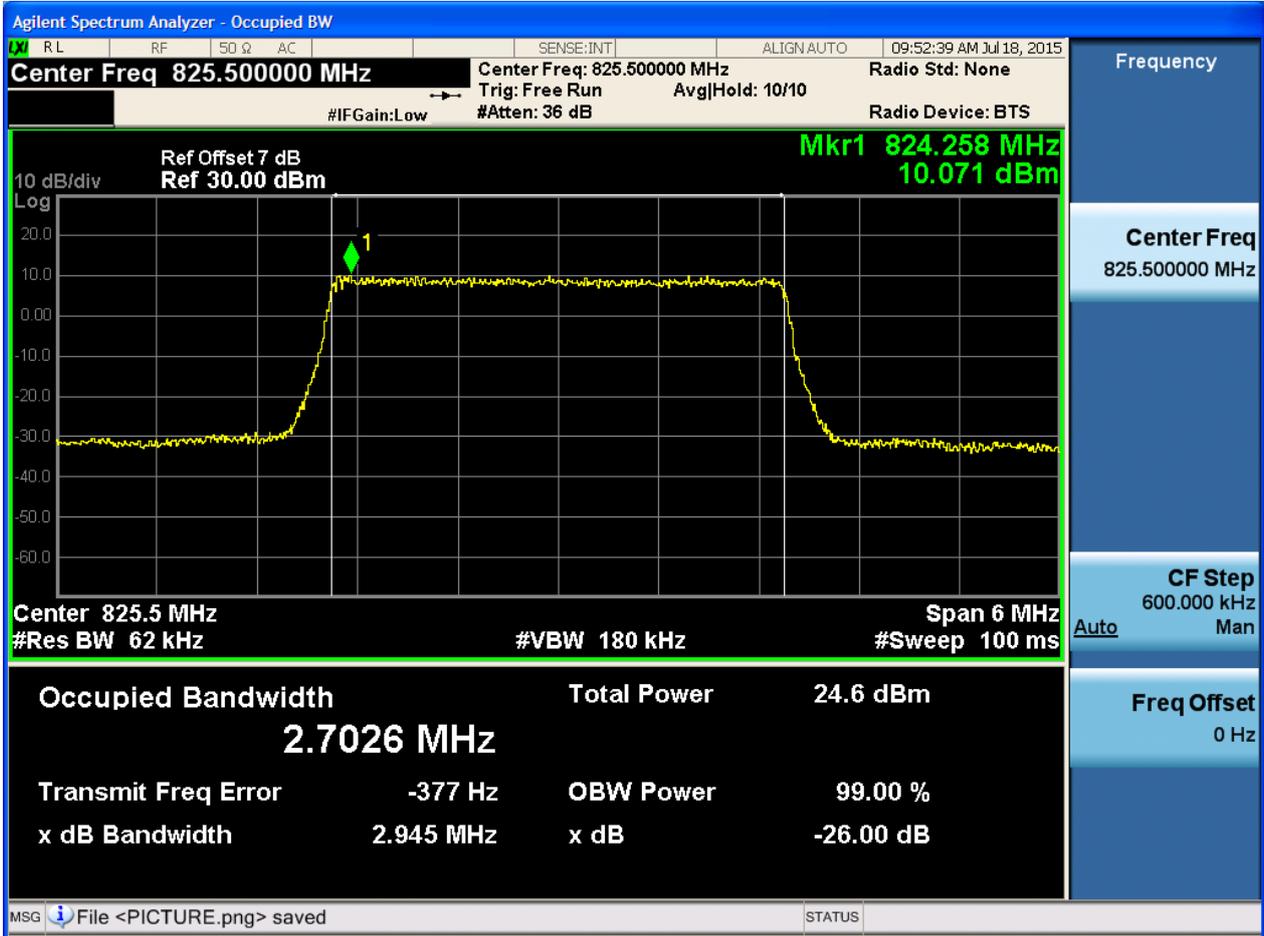
4.1.1.1.2.2 Test Channel = MCH

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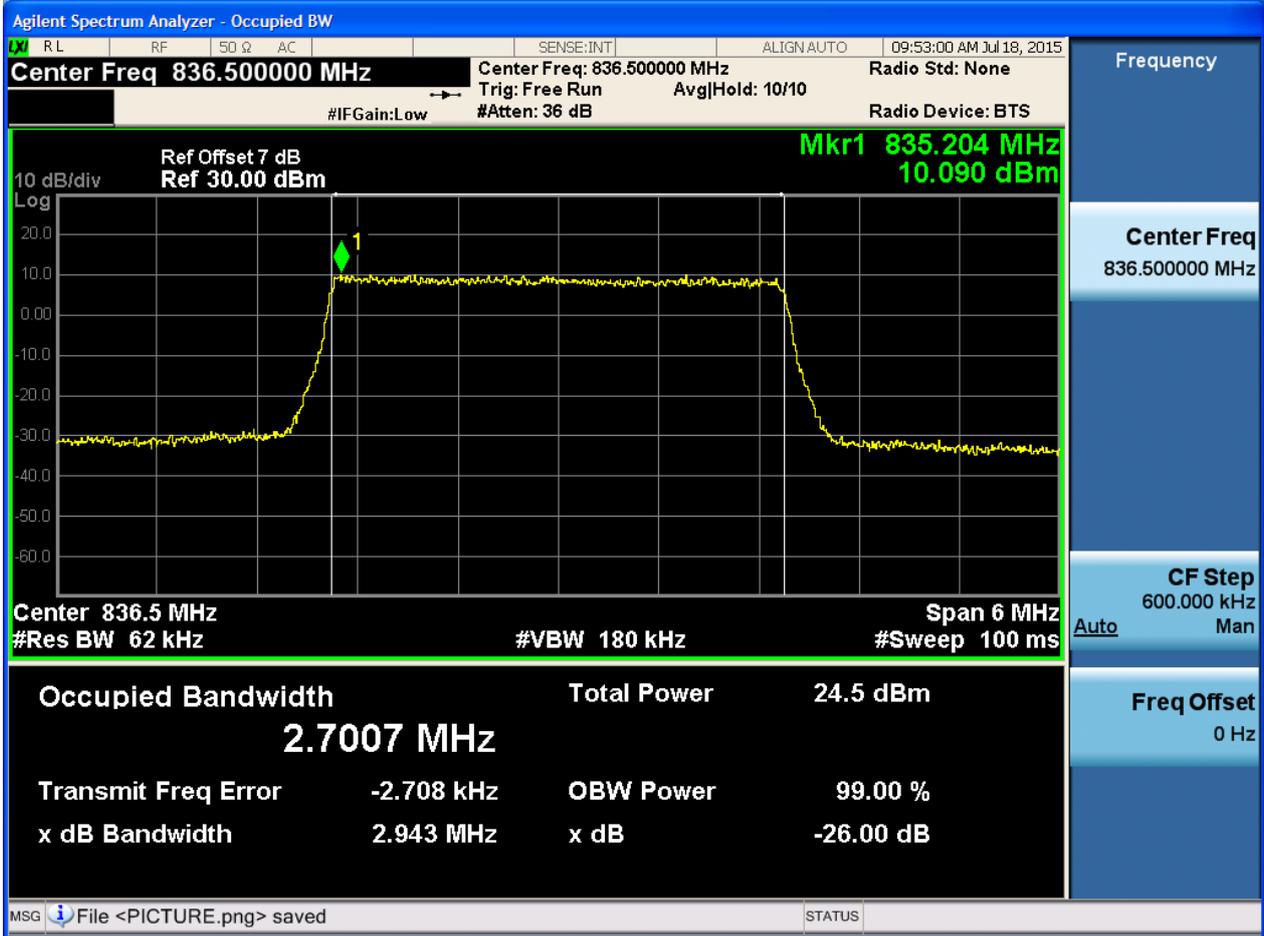
4.1.1.1.2.3 Test Channel = HCH

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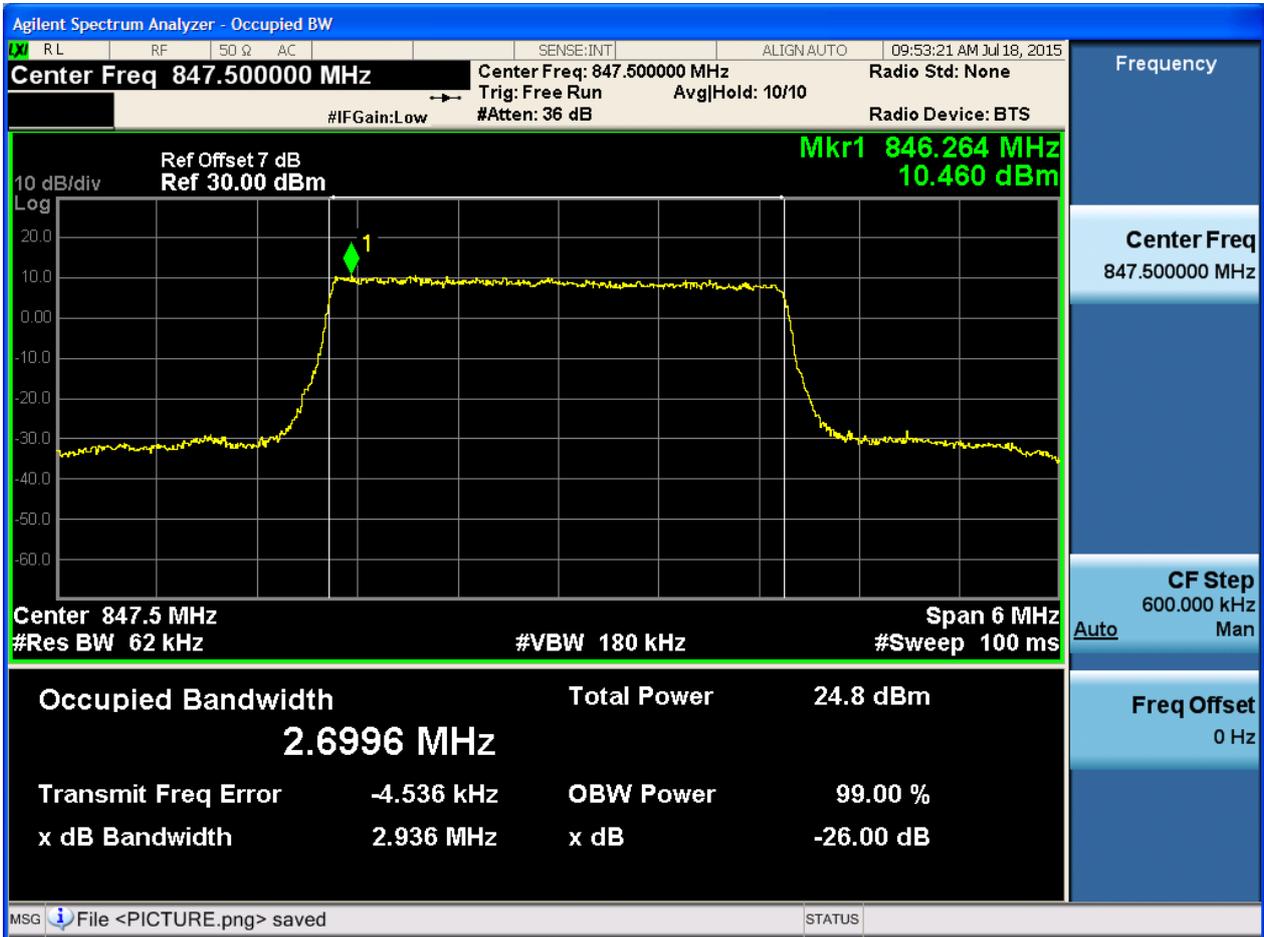
4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

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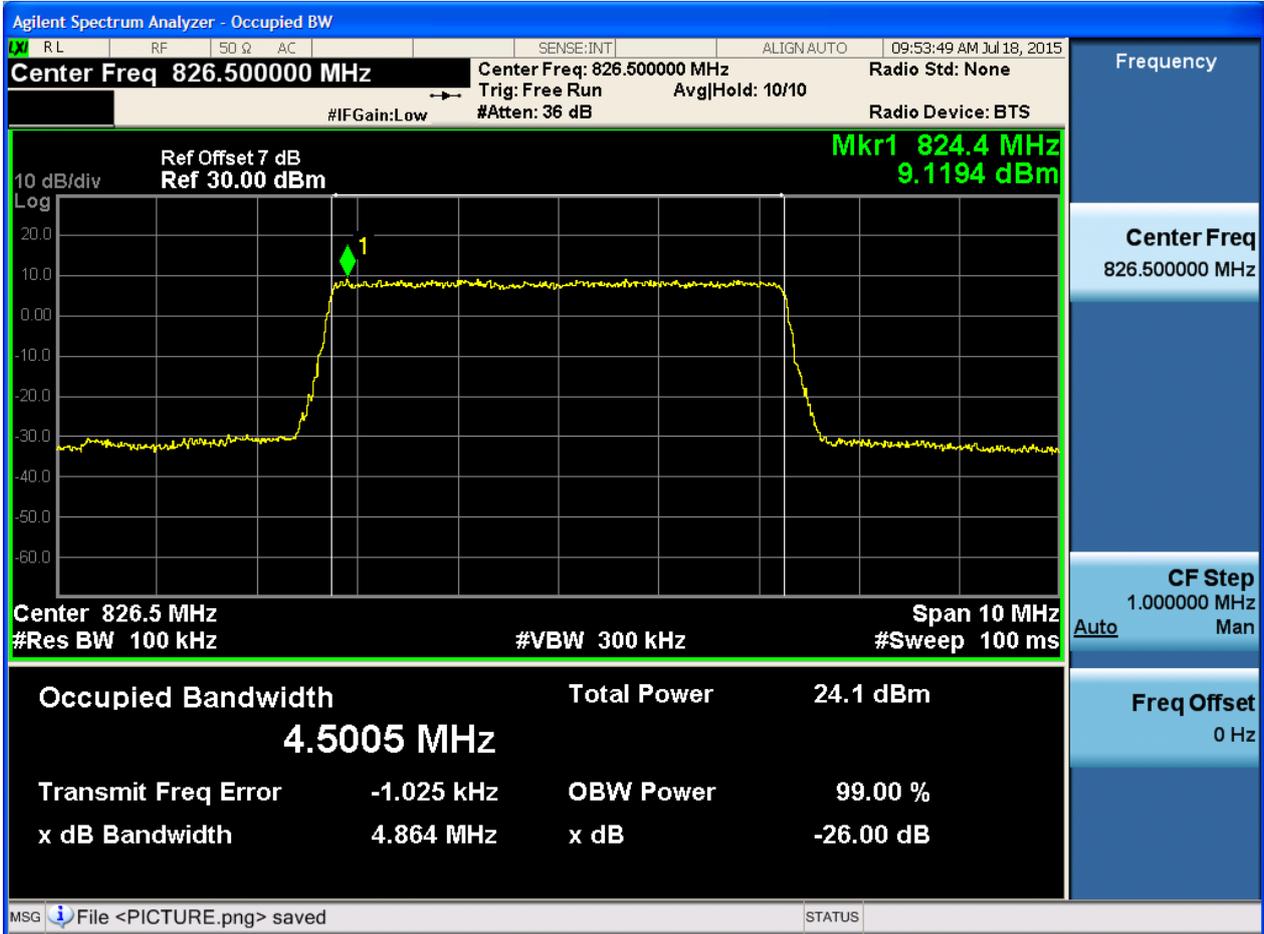
4.1.1.1.3.2 Test Channel = MCH

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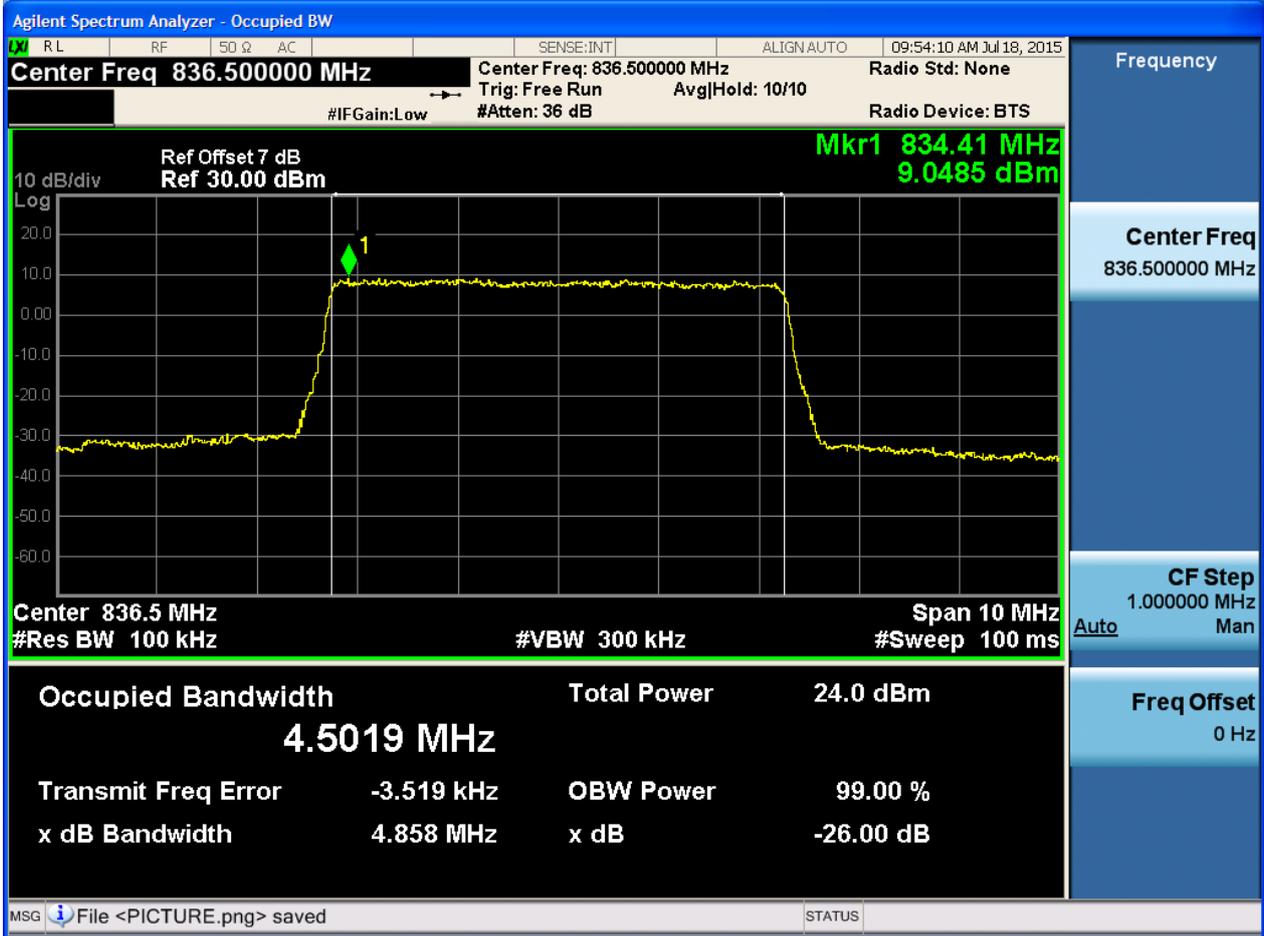
4.1.1.1.3.3 Test Channel = HCH

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
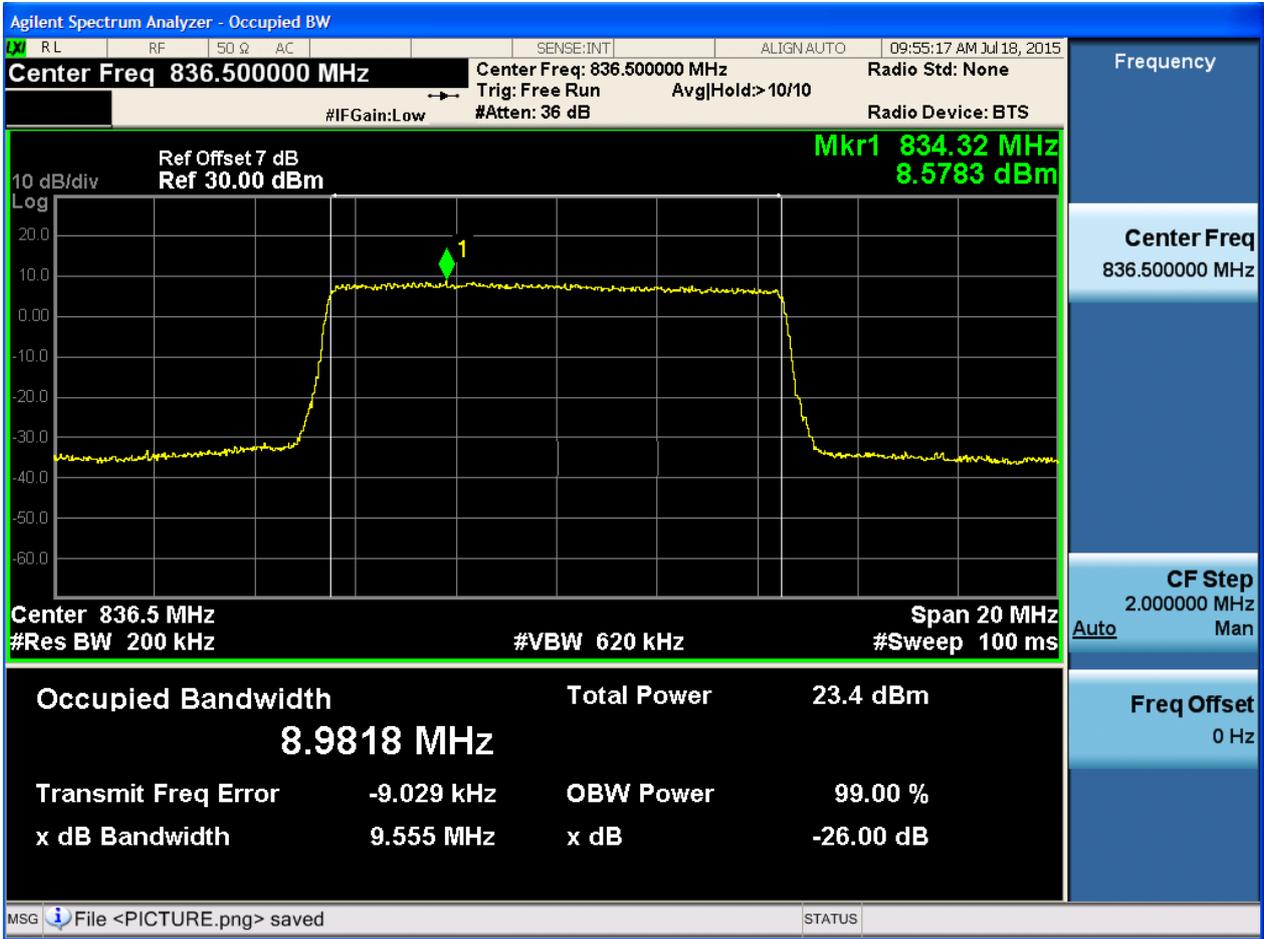
4.1.1.1.4.3 Test Channel = HCH

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
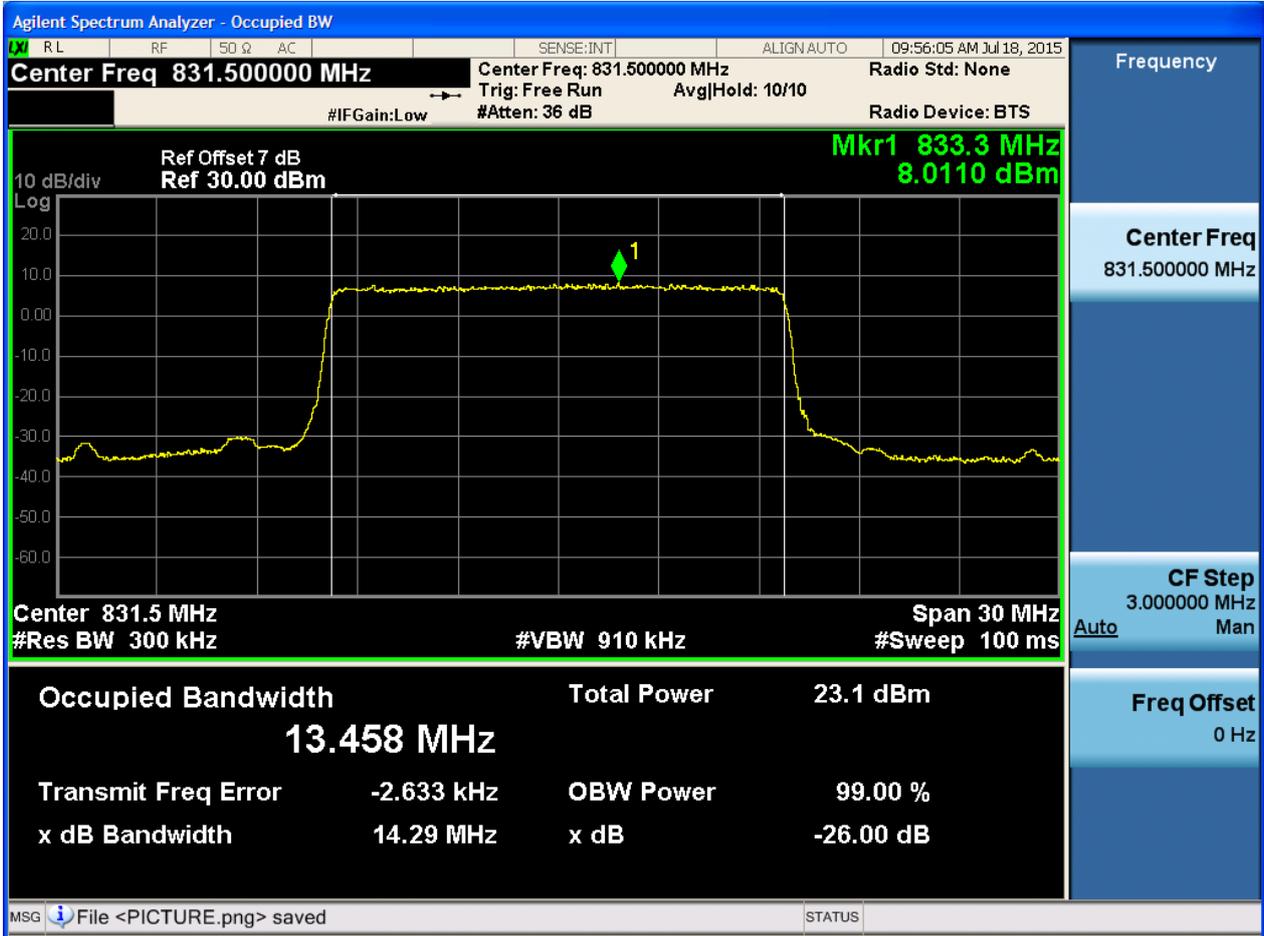
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0

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 | #Atten: 36 dB | Radio Device: BTS

SENSE:INT | ALIGN AUTO | 09:56:26 AM Jul 18, 2015

Mkr1 830.92 MHz
8.0395 dBm

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

Center 836.5 MHz | Span 30 MHz
#Res BW 300 kHz | #VBW 910 kHz | #Sweep 100 ms

Occupied Bandwidth		
13.475 MHz	Total Power	23.1 dBm
Transmit Freq Error -14.109 kHz	OBW Power	99.00 %
x dB Bandwidth 14.29 MHz	x dB	-26.00 dB

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Frequency

Center Freq
836.500000 MHz

CF Step
3.000000 MHz
Auto   Man

Freq Offset
0 Hz

4.1.1.1.5.3 Test Channel = HCH

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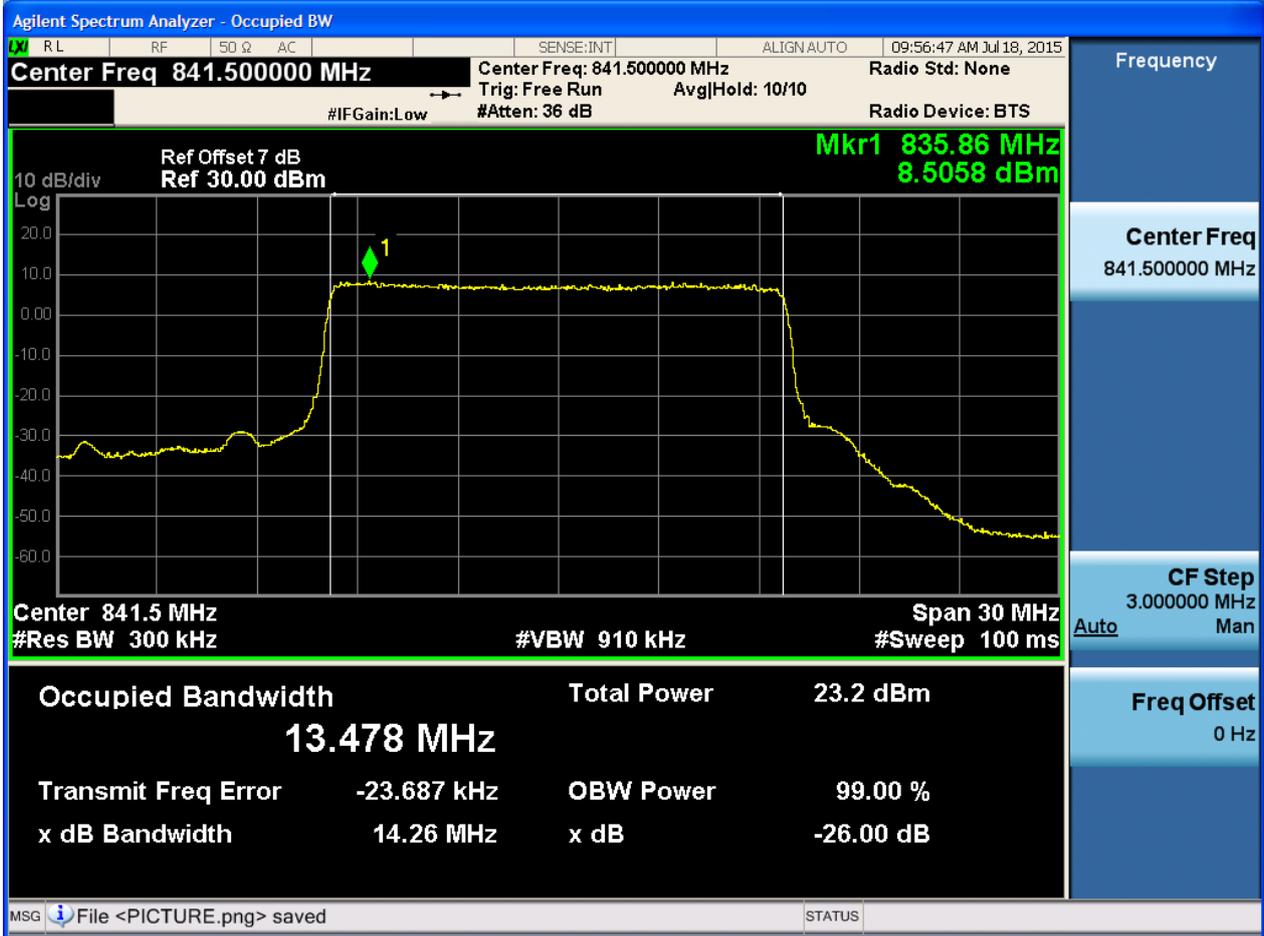
4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0

4.1.1.2.1.2 Test Channel = MCH

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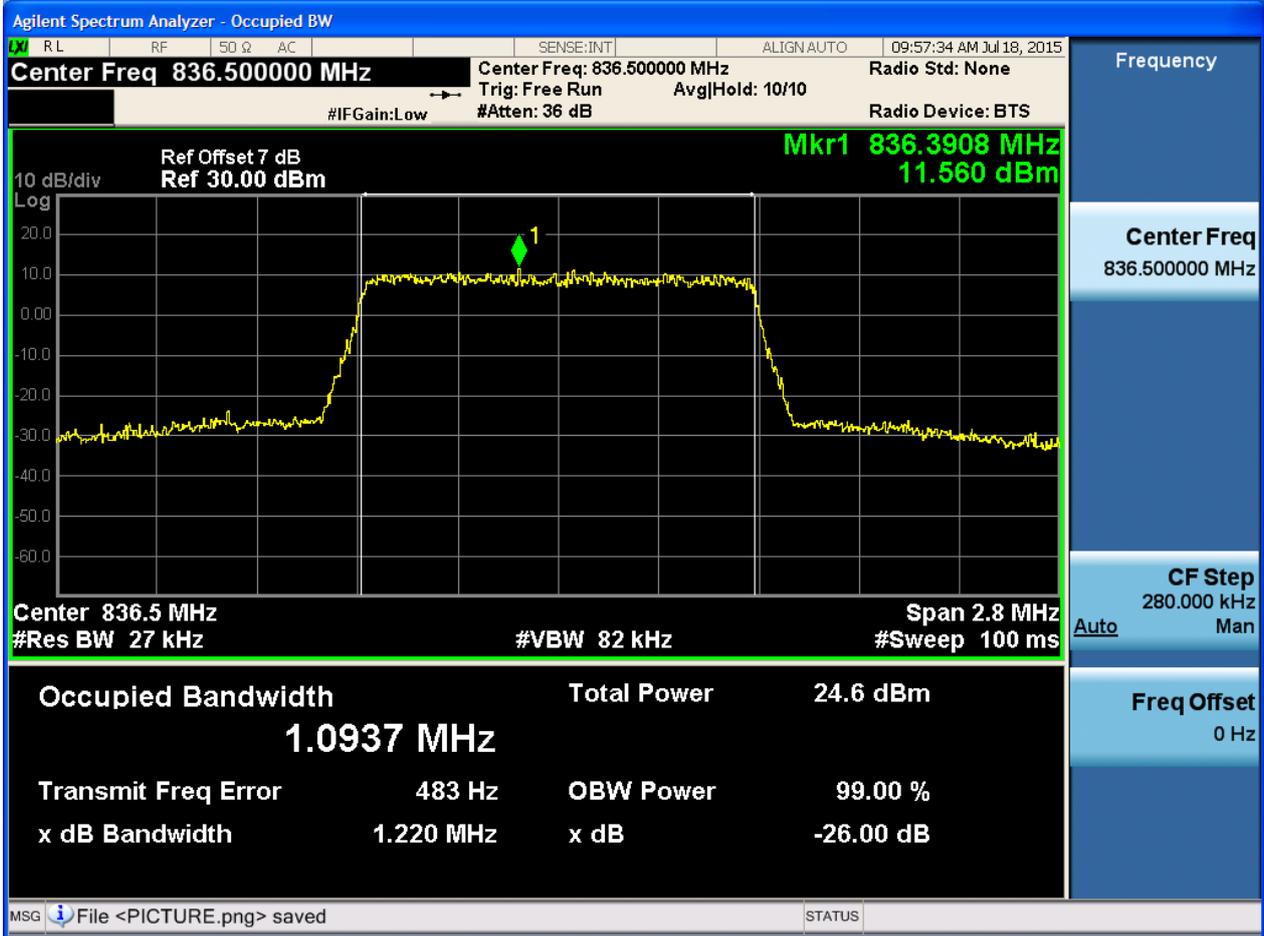
4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0

4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0
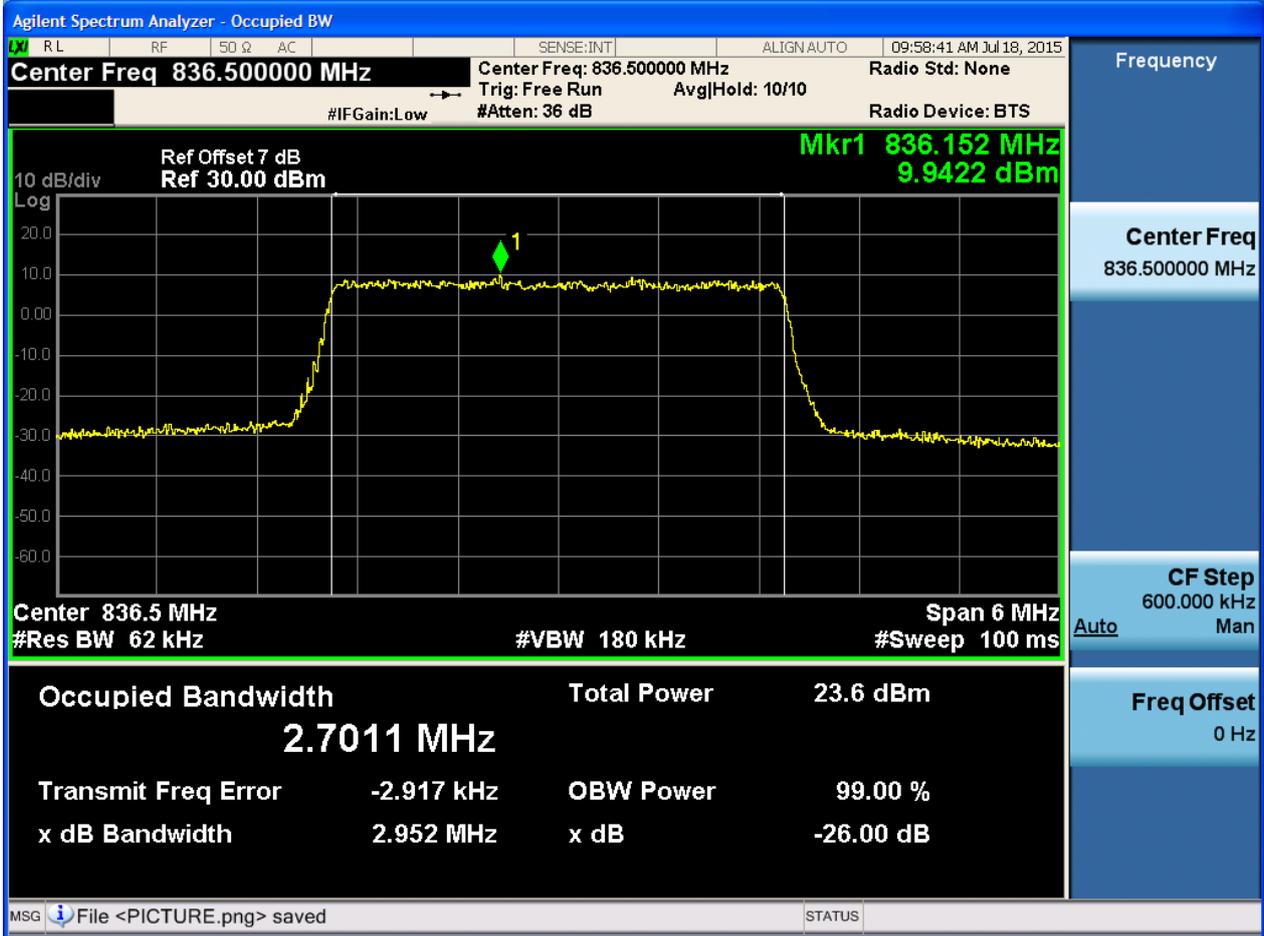
4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0
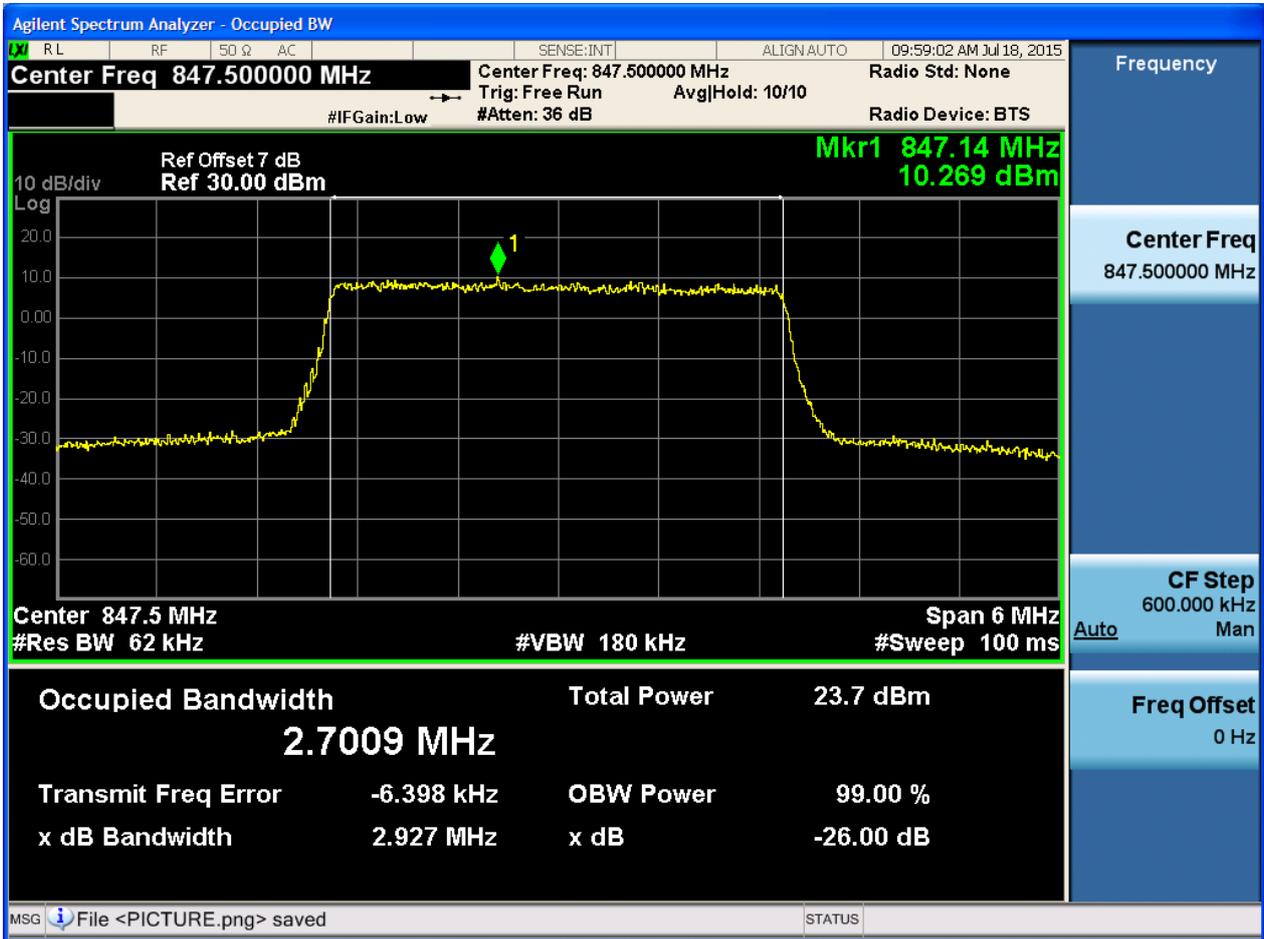
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

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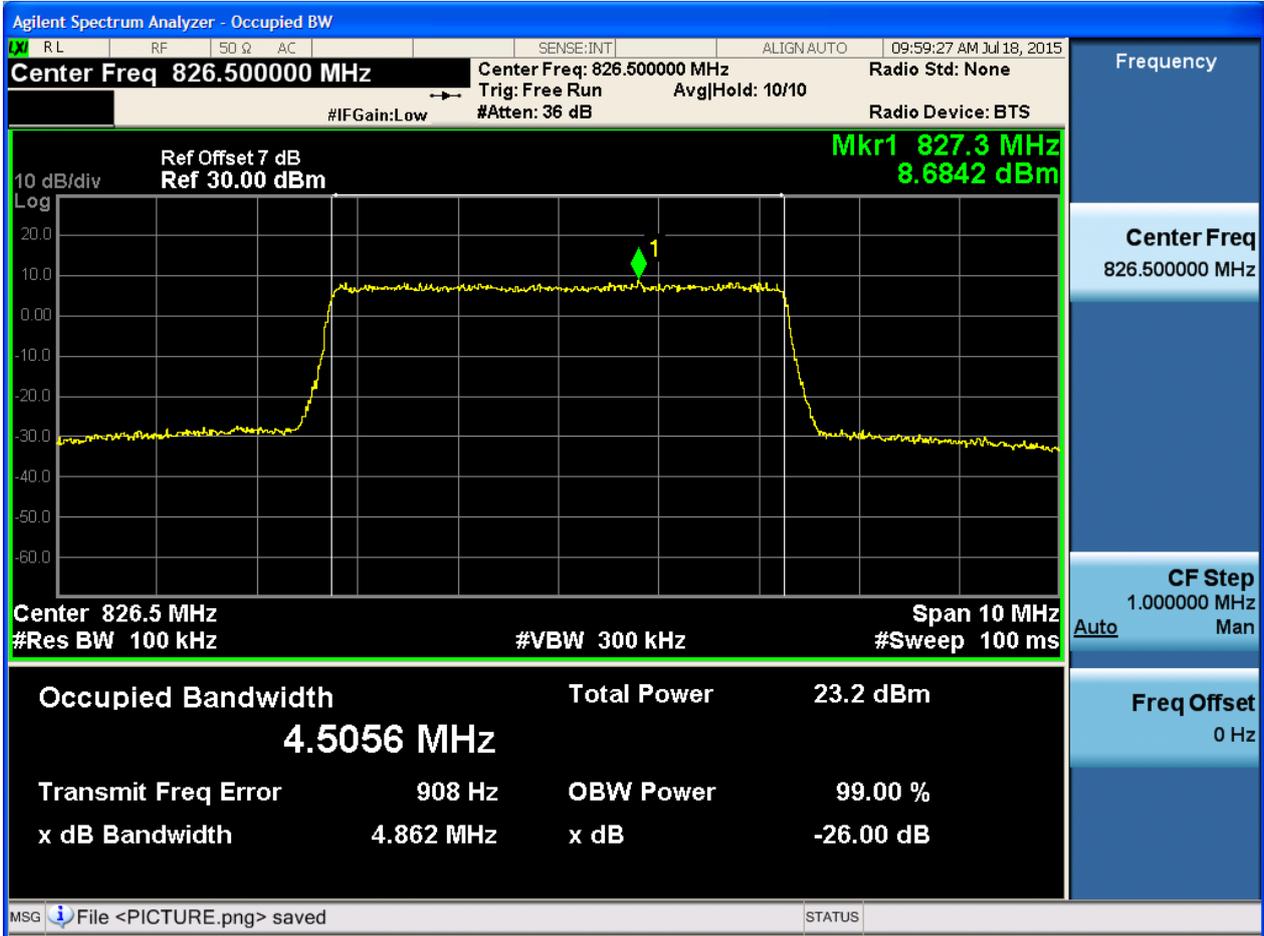
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0

4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB50#0

4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0
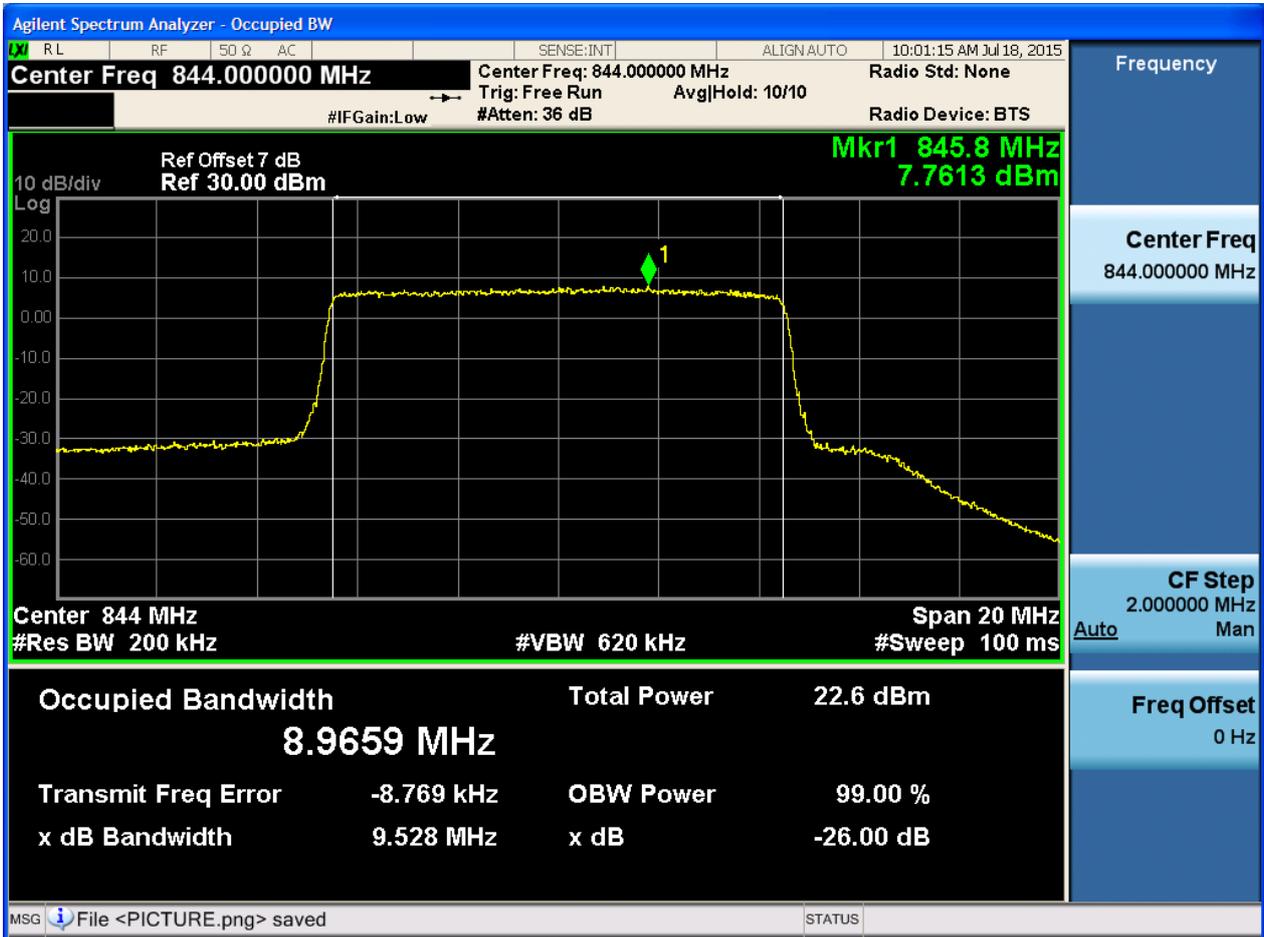
4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0

Agilent Spectrum Analyzer - Occupied BW

| LXI R L | RF | 50 Ω | AC | | | SENSE:INT | ALIGN AUTO | 10:01:40 AM Jul 18, 2015 |

Center Freq 831.500000 MHz

Center Freq: 831.500000 MHz Trig: Free Run Radio Std: None

#IFGain:Low #Atten: 36 dB Avg|Hold: 10/10 Radio Device: BTS

Frequency

Ref Offset 7 dB
Ref 30.00 dBm

Mkr1 832.28 MHz
6.9522 dBm

10 dB/div

Log

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

Center 831.5 MHz
#Res BW 300 kHz

Span 30 MHz
#VBW 910 kHz

#Sweep 100 ms

Center Freq
831.500000 MHz

CF Step
3.000000 MHz
Auto   Man

Freq Offset
0 Hz

Occupied Bandwidth

13.465 MHz

| Total Power | 22.1 dBm |

| Transmit Freq Error | -3.462 kHz | OBW Power | 99.00 % |
| x dB Bandwidth | 14.28 MHz | x dB | -26.00 dB |

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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
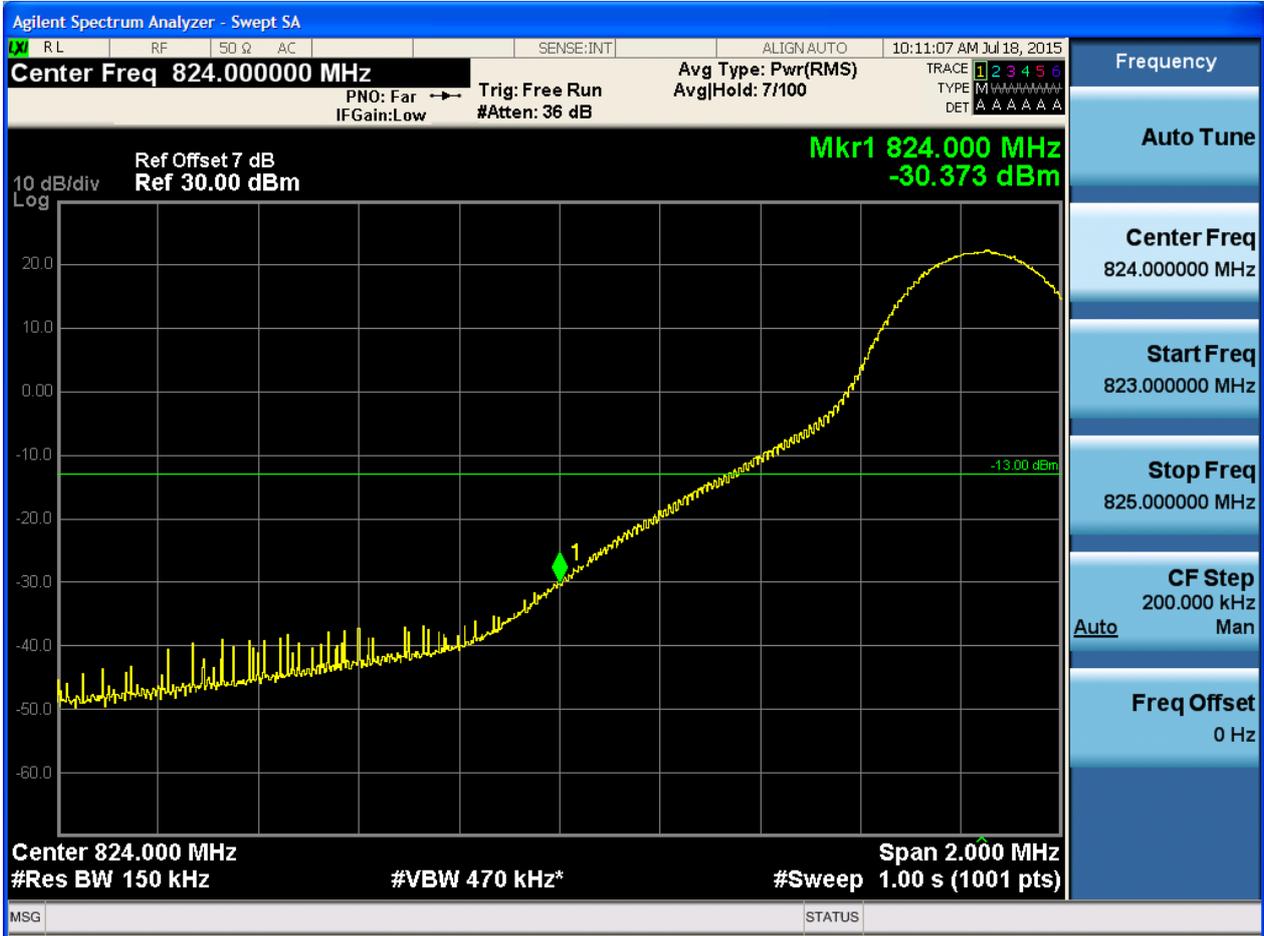
5.1.1.1 Test Mode = LTE/TM1
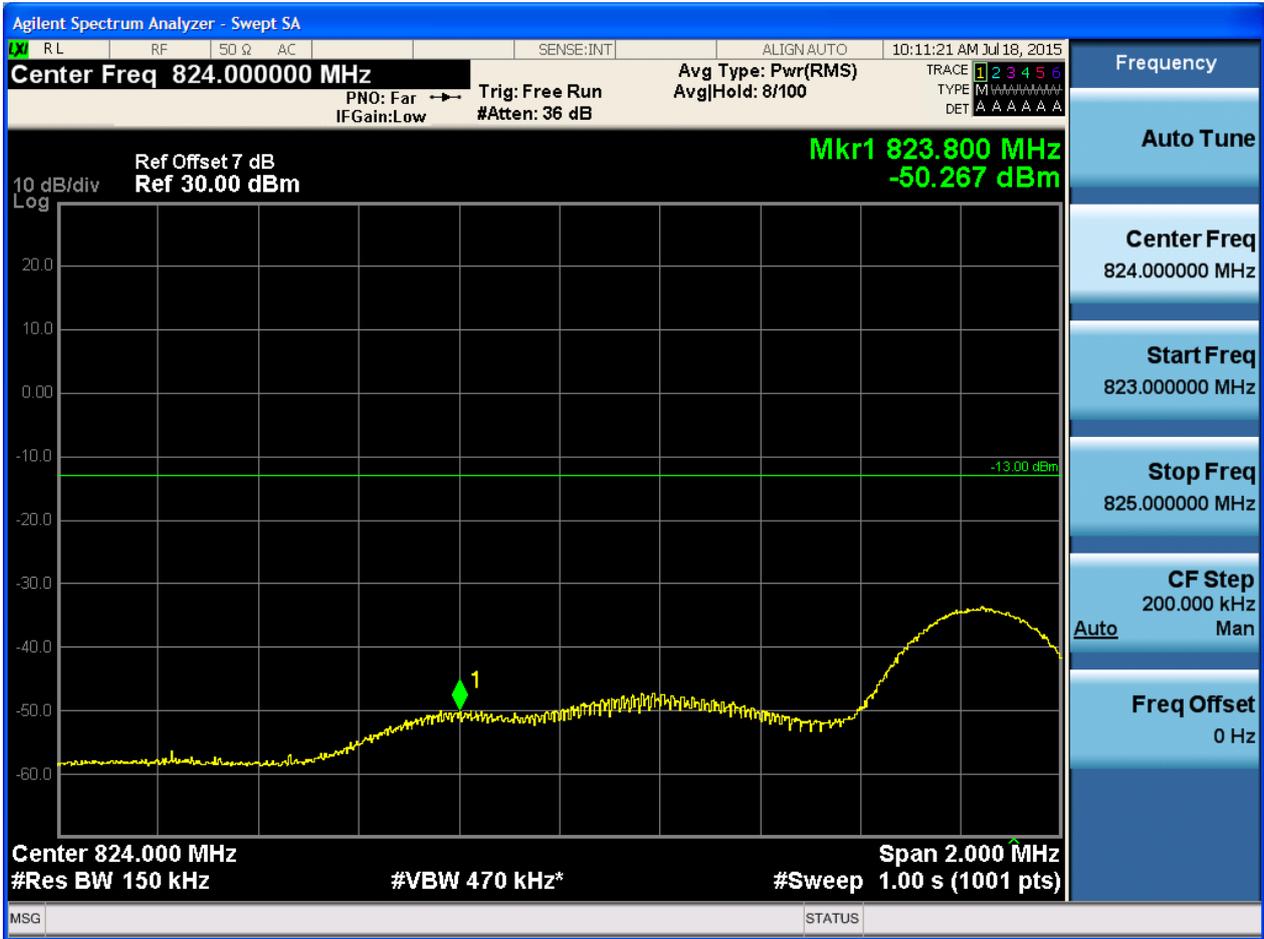
5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0
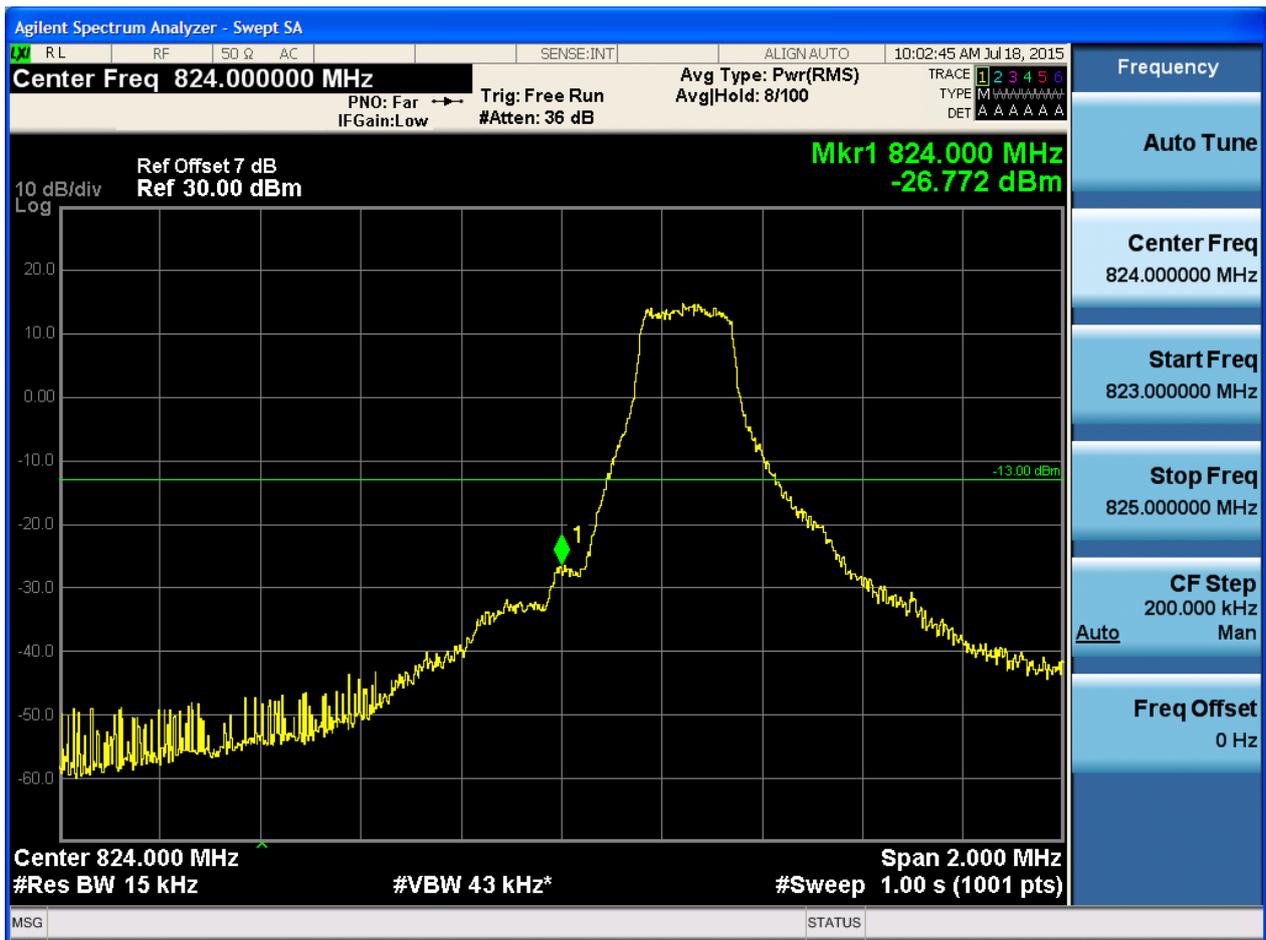
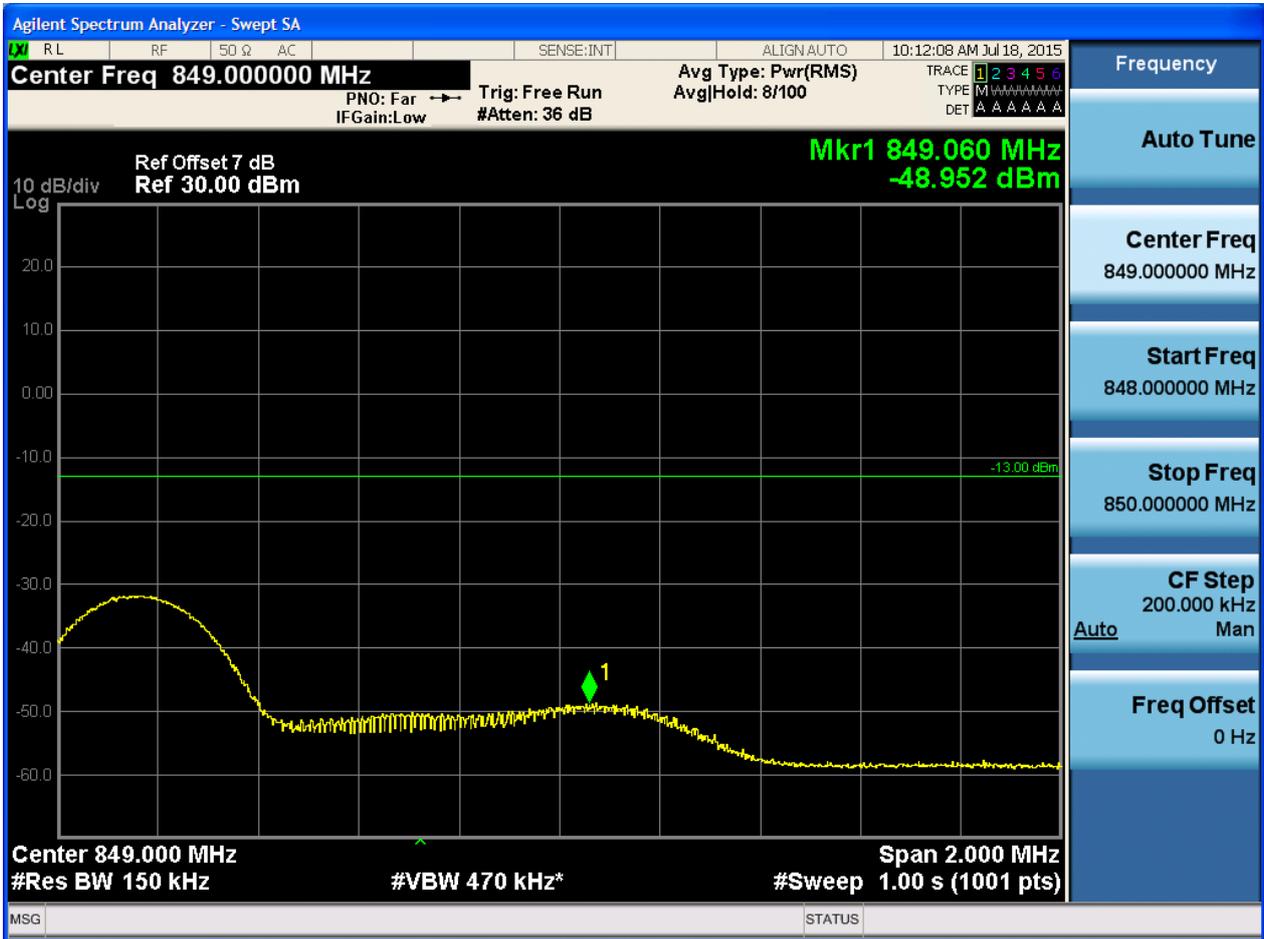## 5.1.1.1.1.1.2 Test RB = RB1#5

5.1.1.1.1.3 Test RB = RB3#2
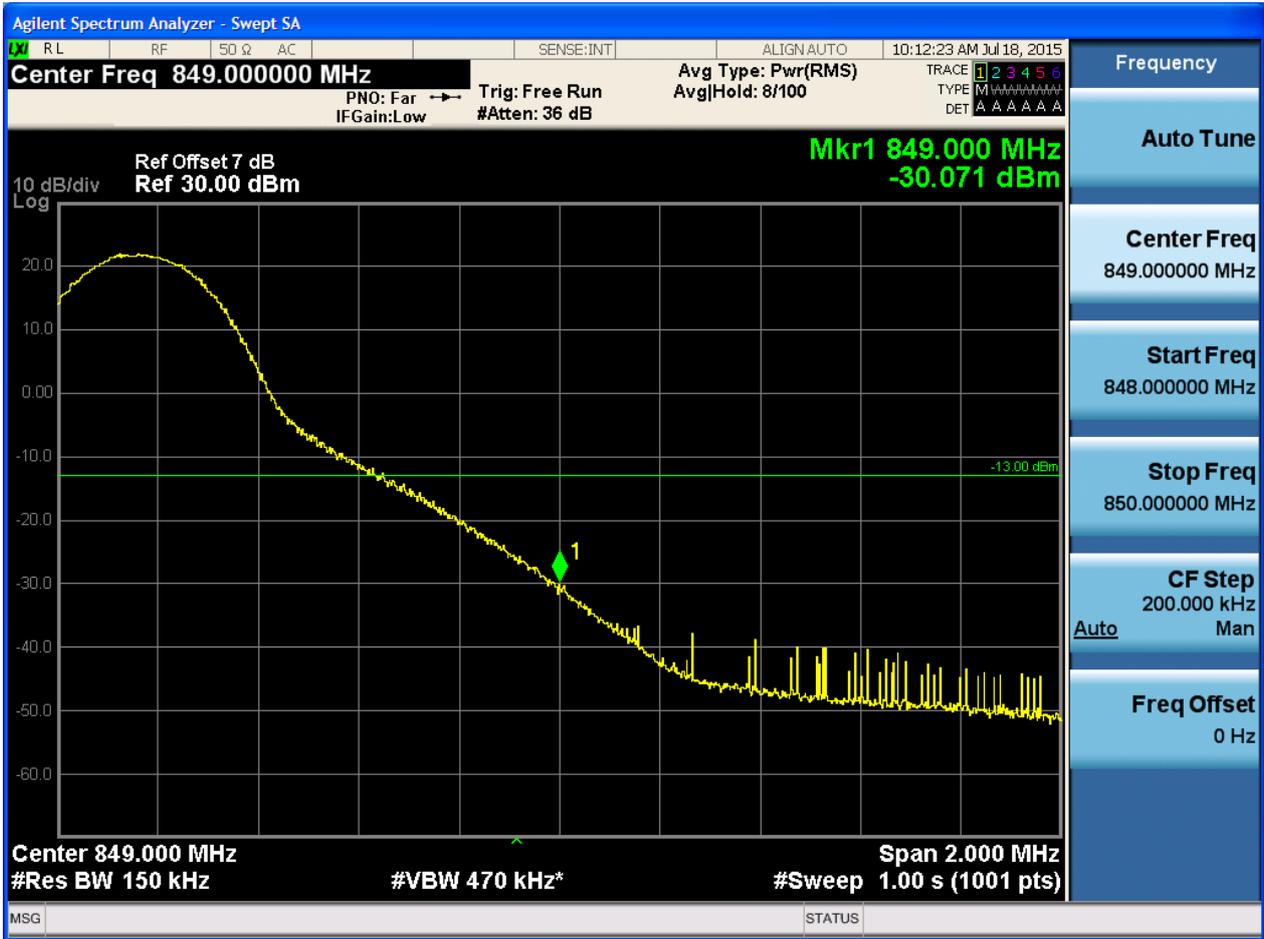
5.1.1.1.1.1.4 Test RB = RB6#0
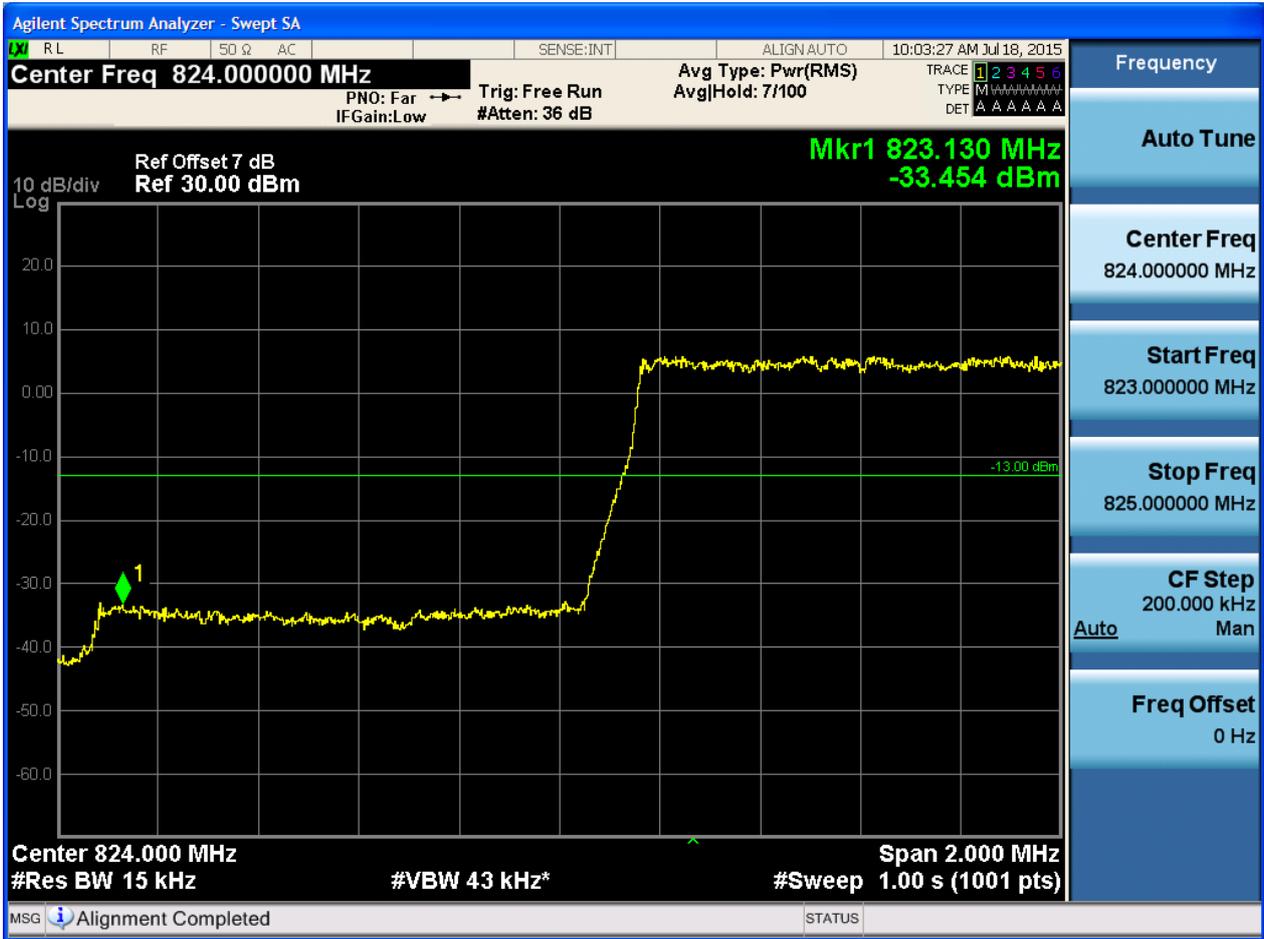
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 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

Agilent Spectrum Analyzer - Swept SA

| | | | | | SENSE:INT | ALIGN AUTO | 10:04:14 AM Jul 18, 2015 |

Center Freq 849.000000 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
10 dB/div **Ref 30.00 dBm**
Log

Mkr1 849.070 MHz
-28.653 dBm

-13.00 dBm

1

Center 849.000 MHz
#Res BW 15 kHz   #VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

MSG   STATUS

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Auto   Man

Freq Offset
0 Hz

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
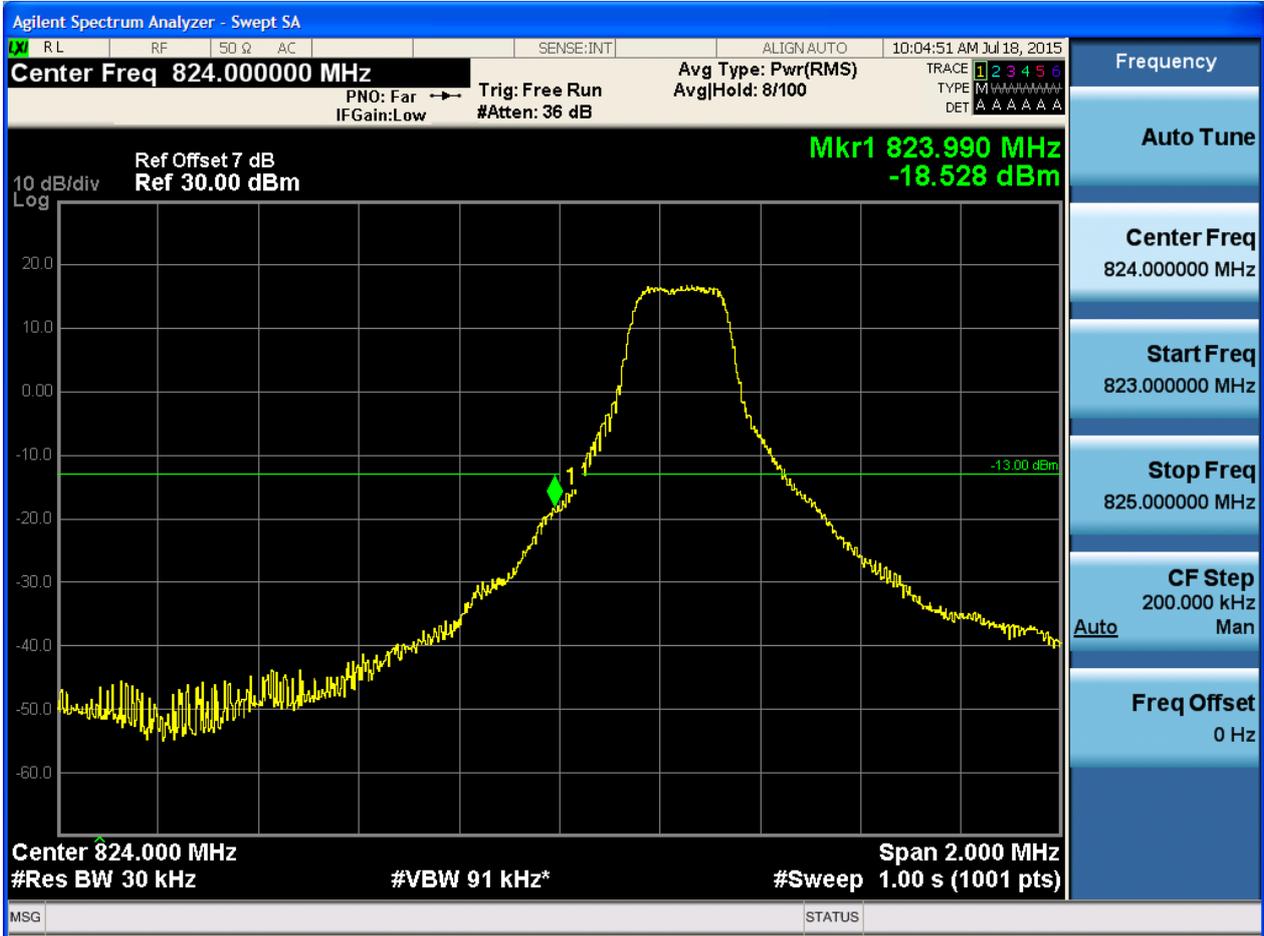
5.1.1.1.2.1.2 Test RB = RB1#14
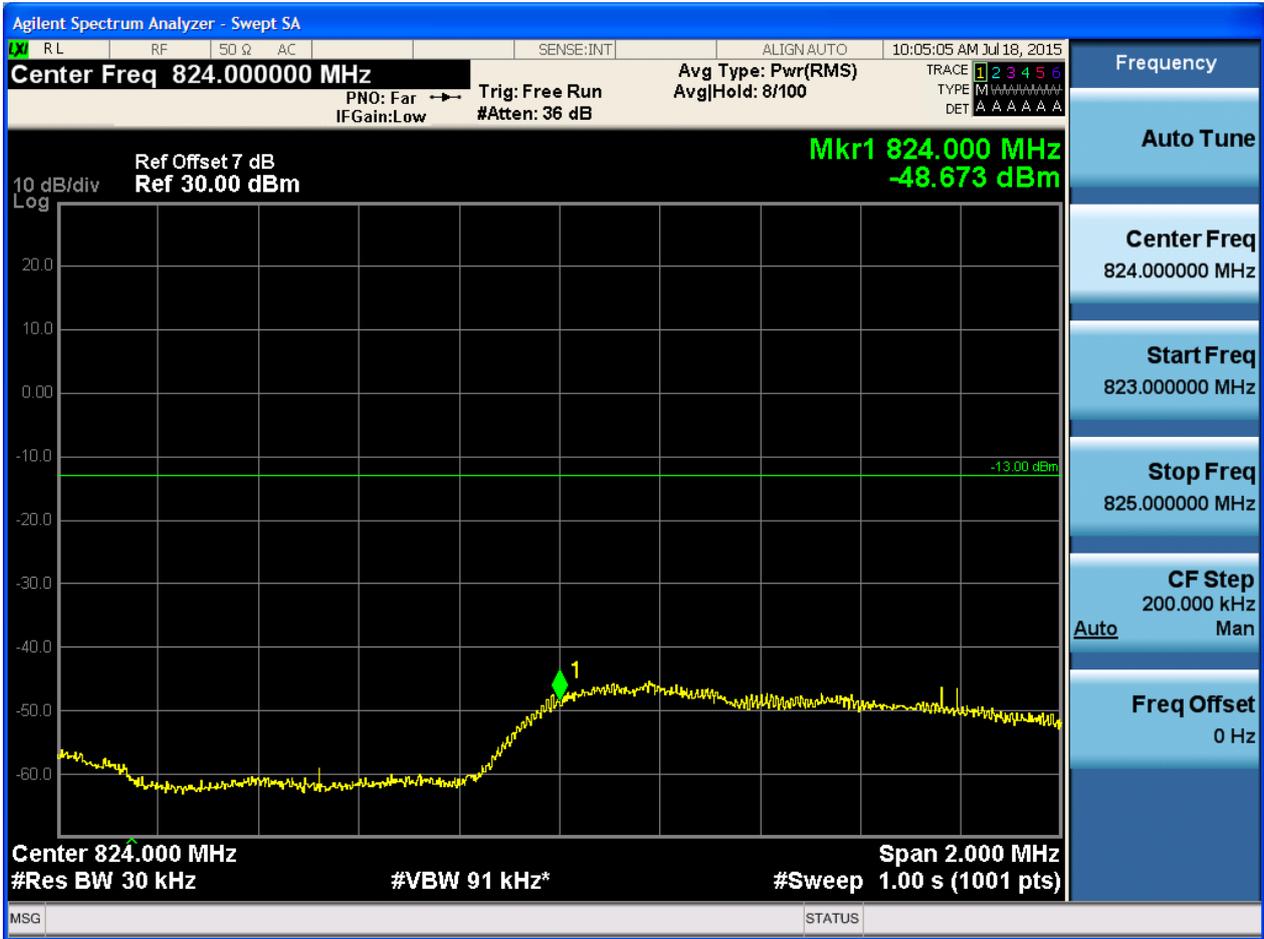
5.1.1.1.2.1.3 Test RB = RB8#4
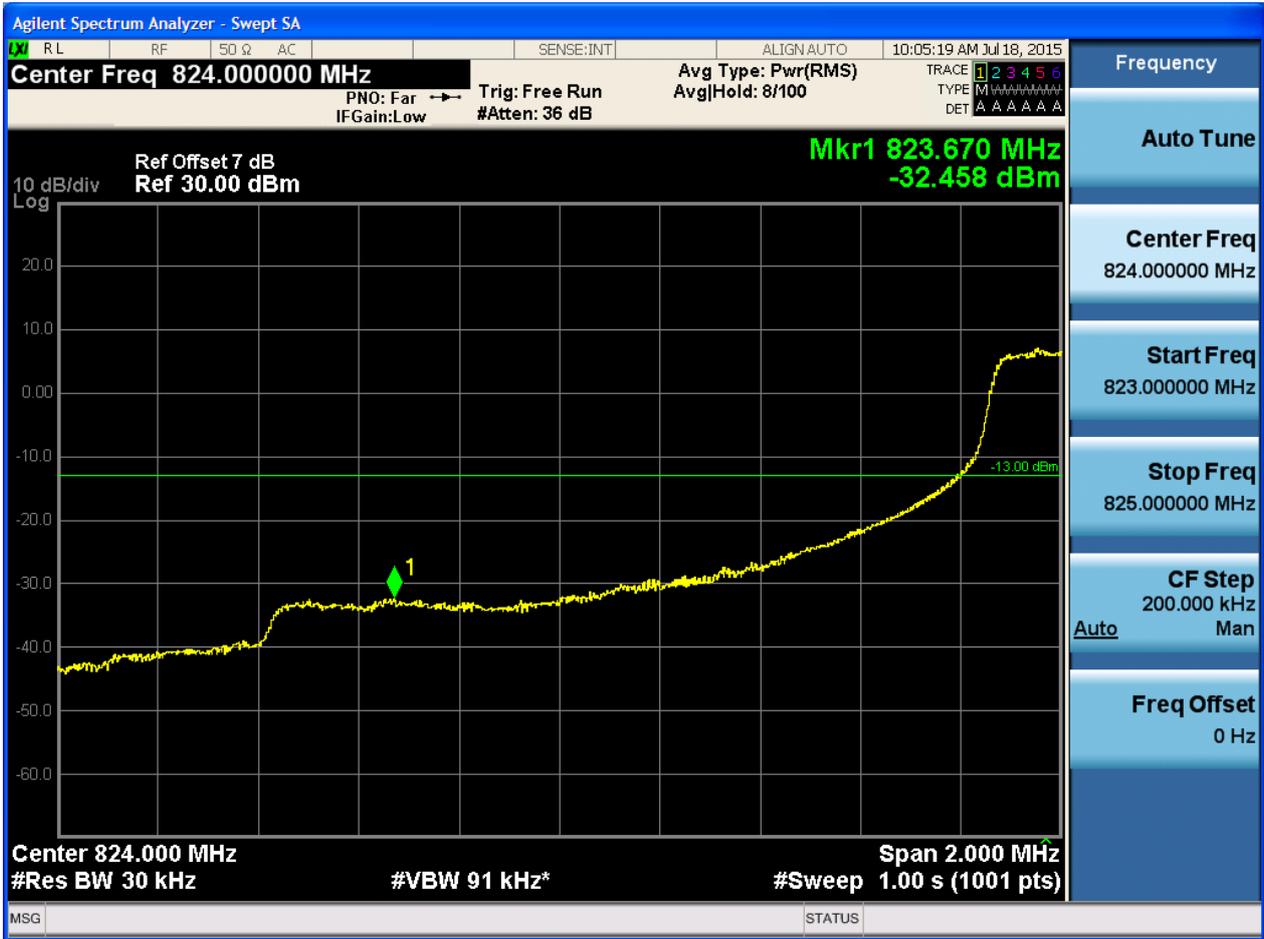
5.1.1.1.2.1.4 Test RB = RB15#0
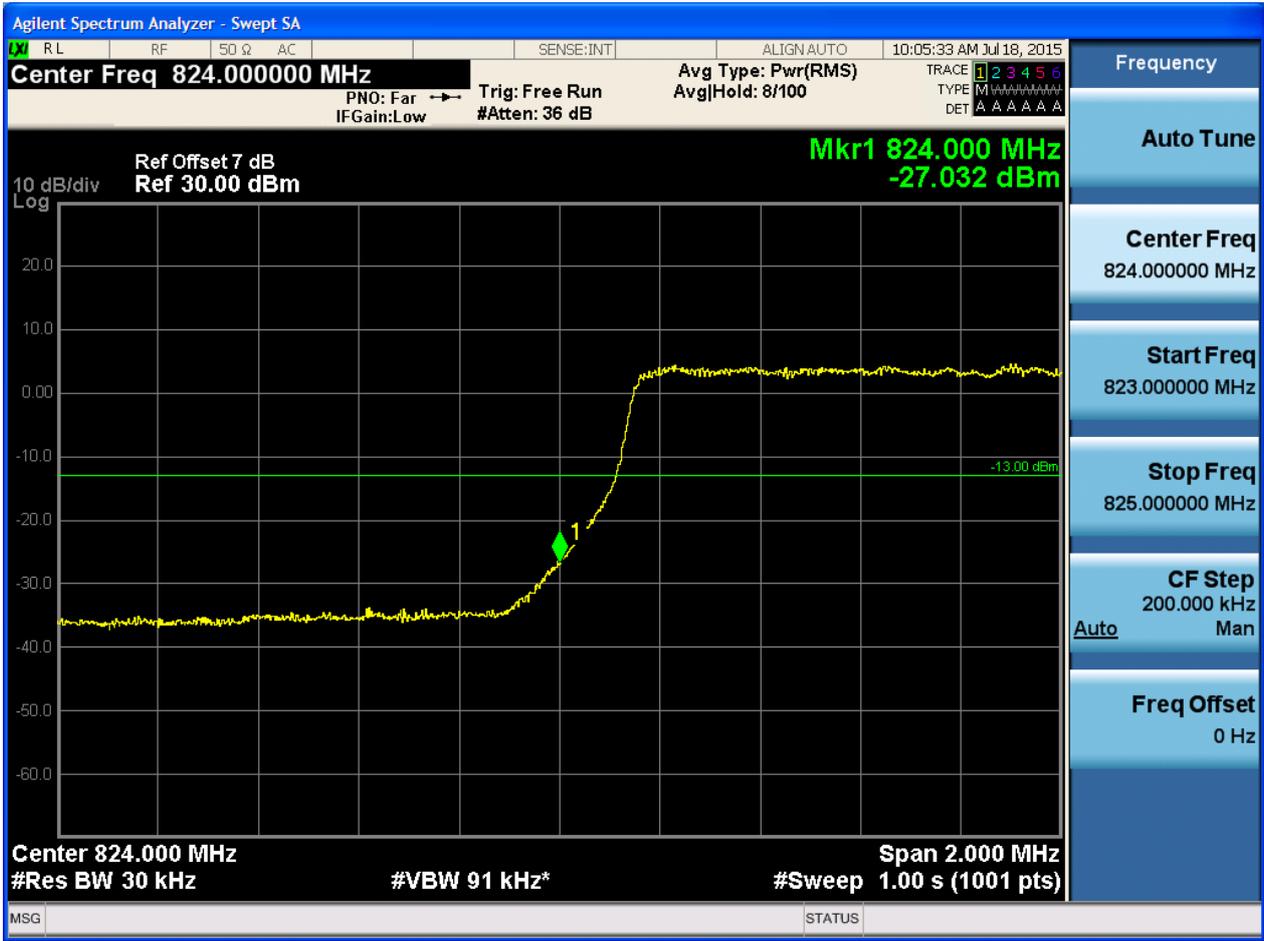
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0
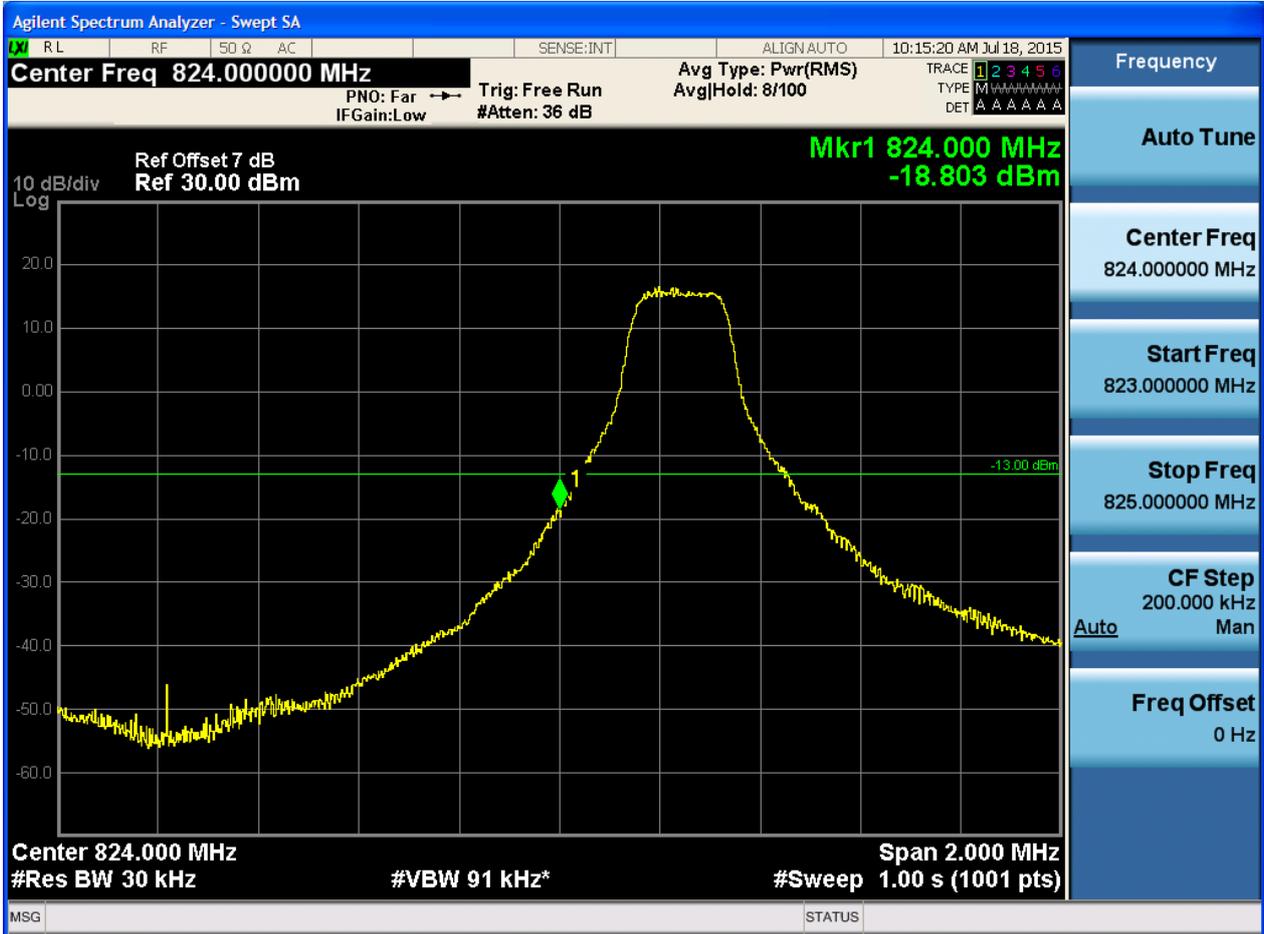
5.1.1.1.2.2.2 Test RB = RB1#14
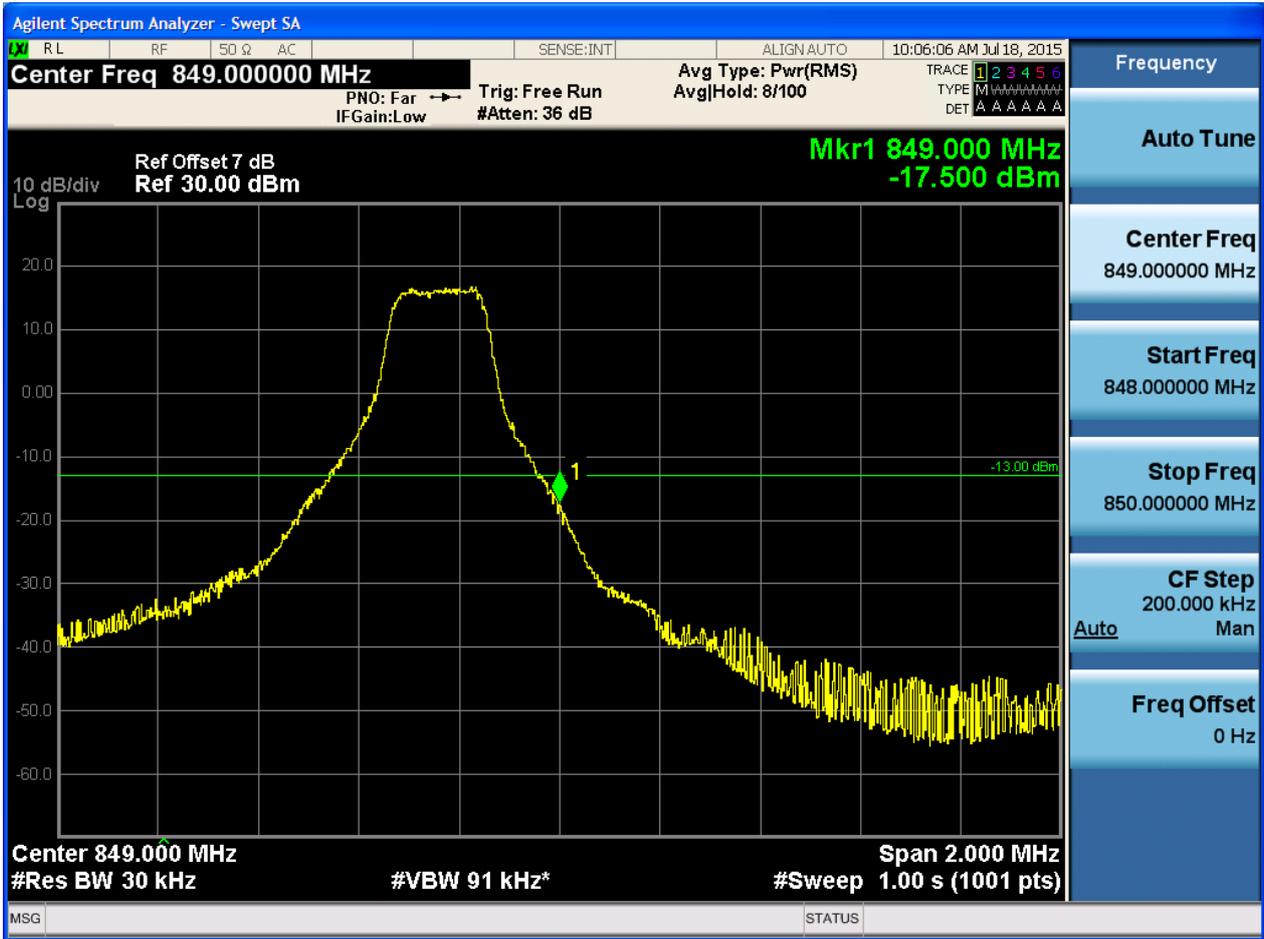
5.1.1.1.2.2.3 Test RB = RB8#4

5.1.1.1.2.2.4 Test RB = RB15#0
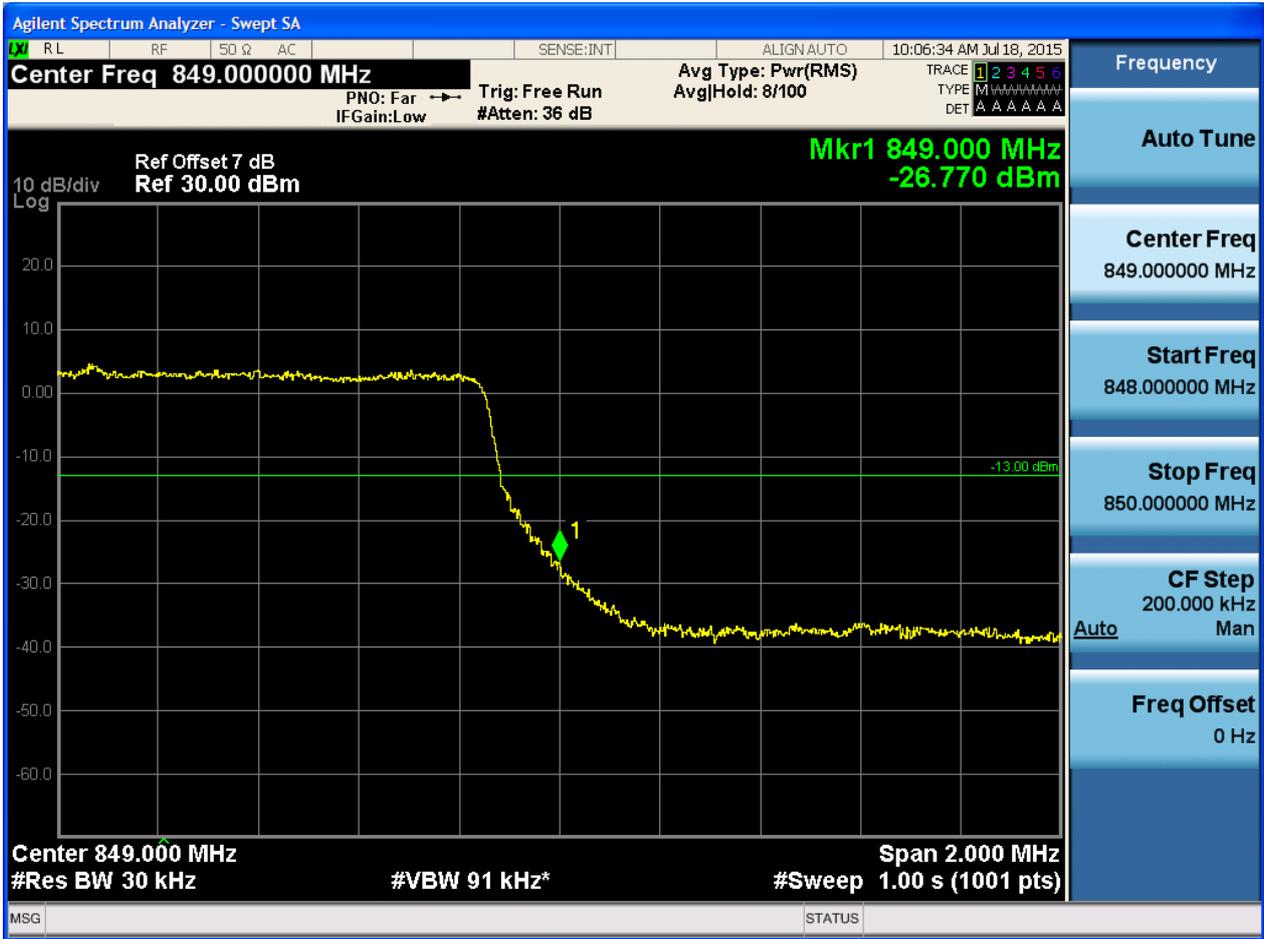
5.1.1.1.3 Test Bandwidth = 5

5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0
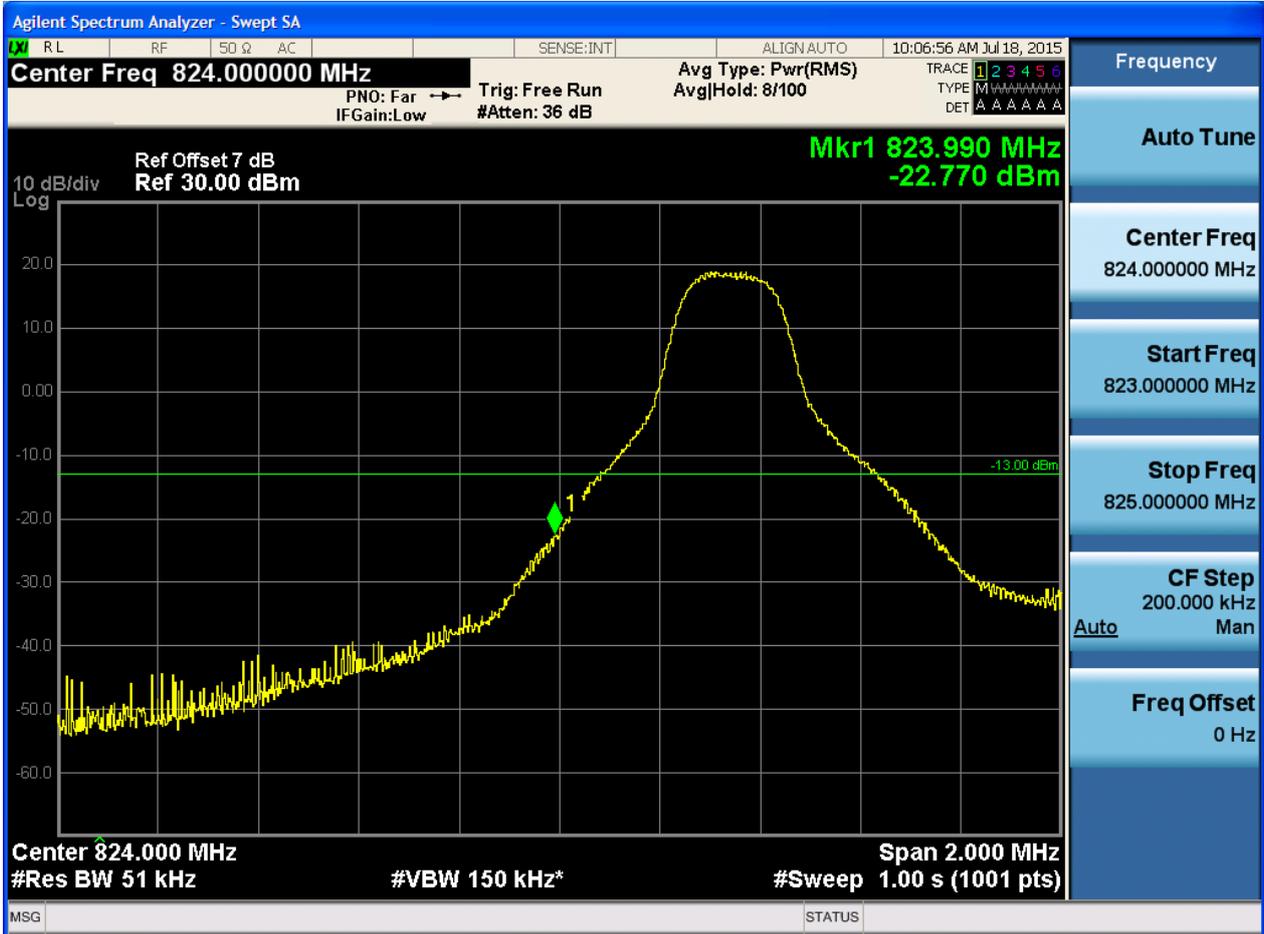
5.1.1.1.3.1.2 Test RB = RB1#24
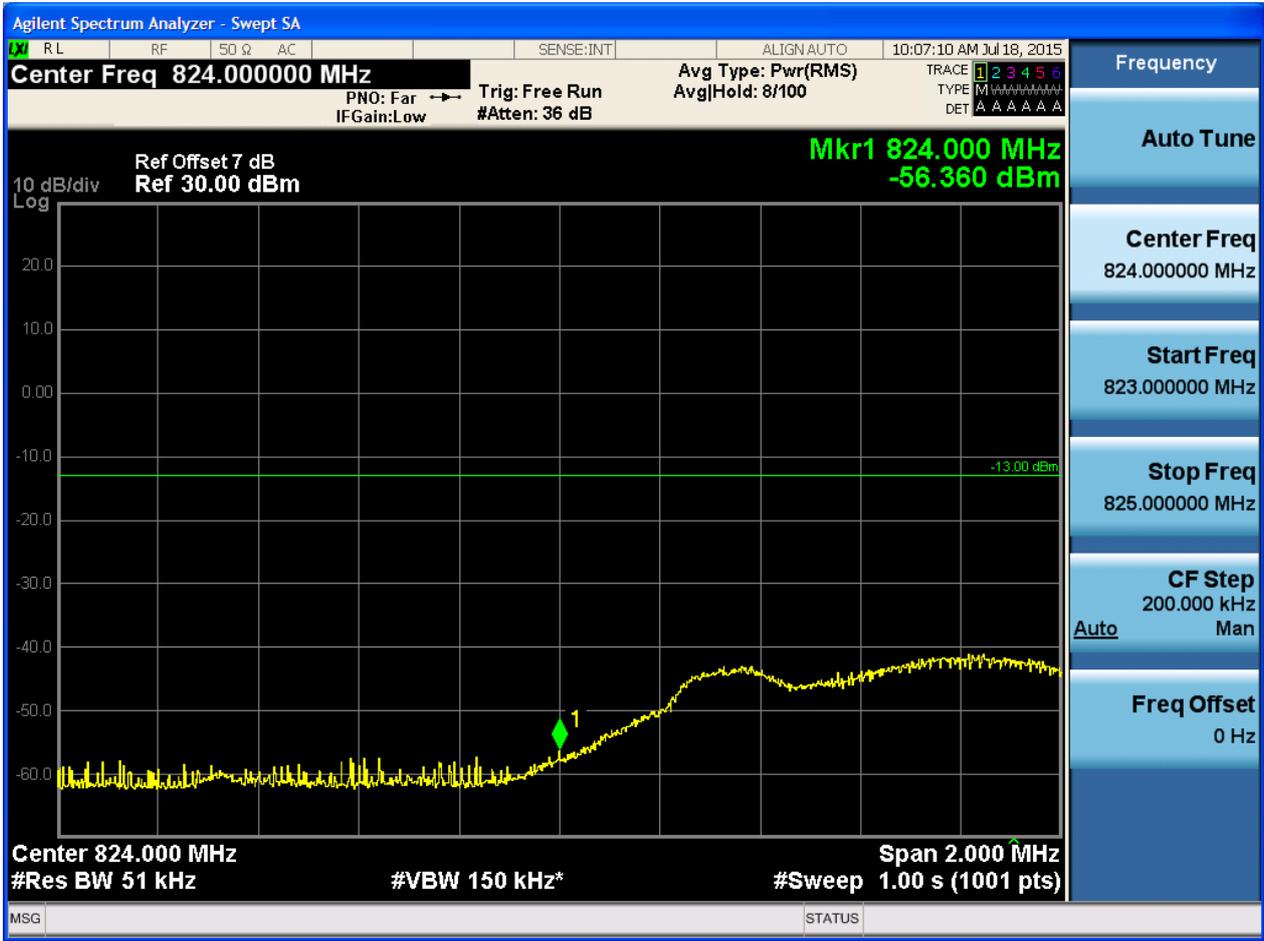
5.1.1.1.3.1.3 Test RB = RB12#6
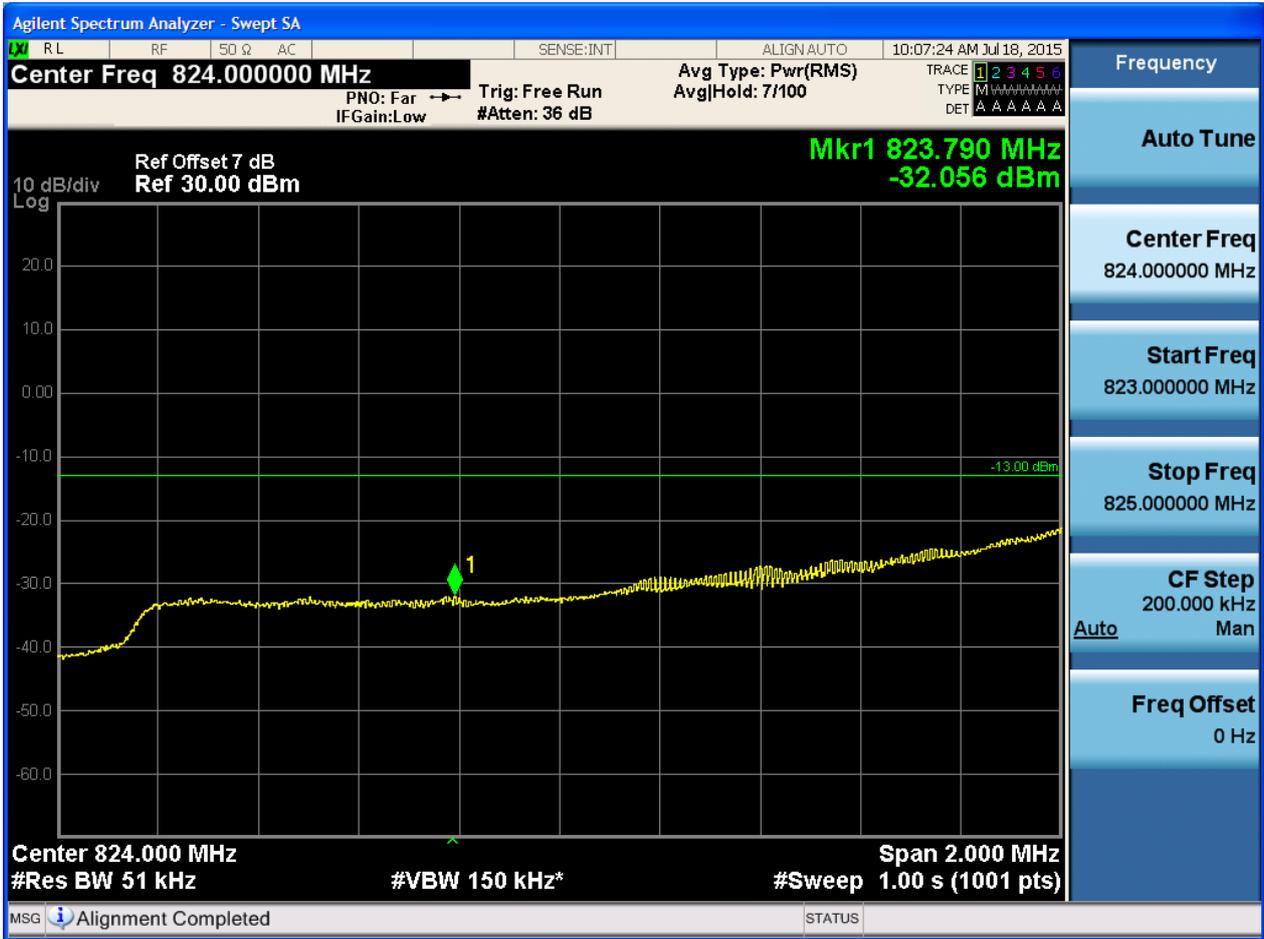
5.1.1.1.3.1.4 Test RB = RB25#0
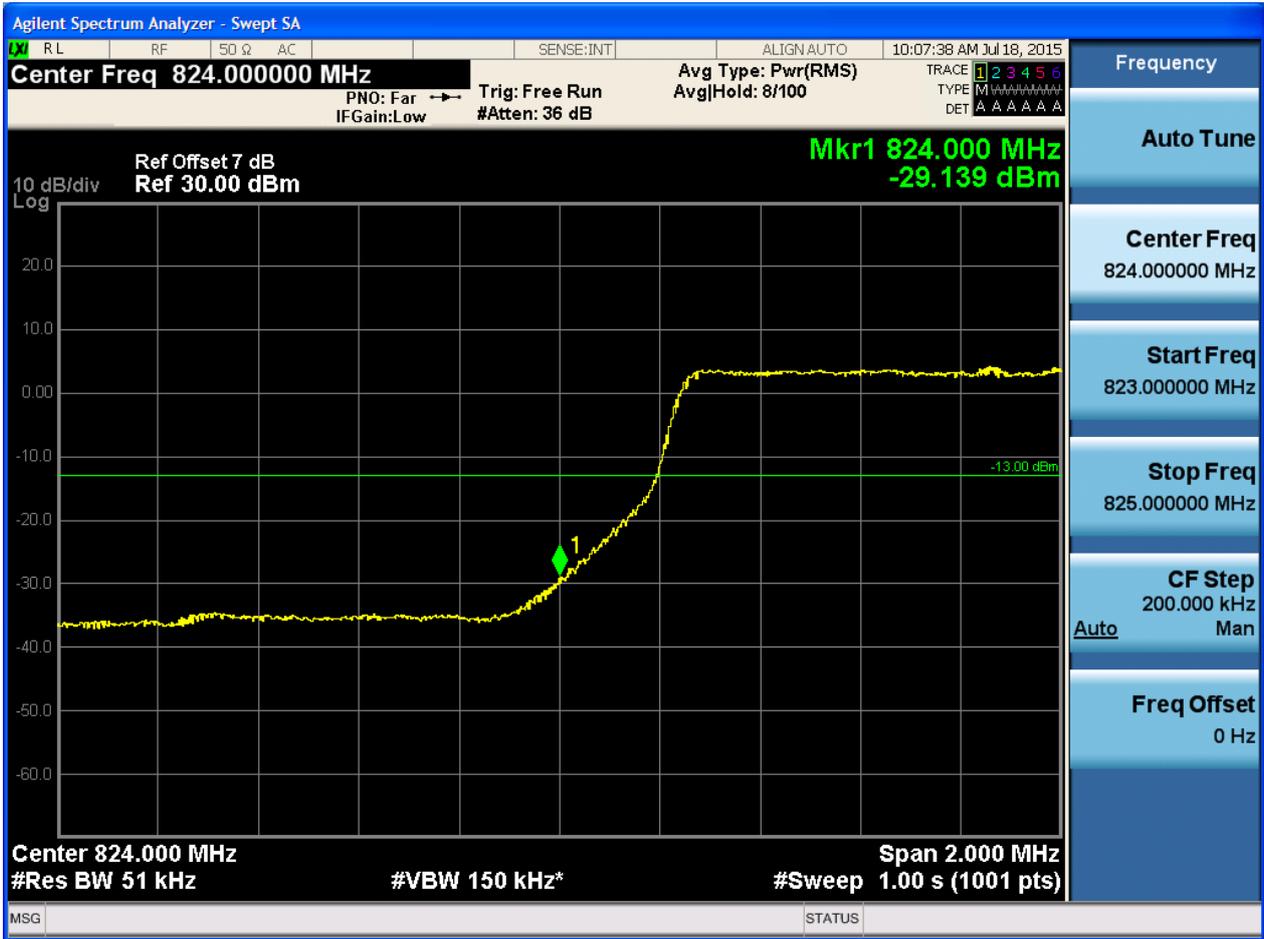
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0

5.1.1.1.3.2.2 Test RB = RB1#24
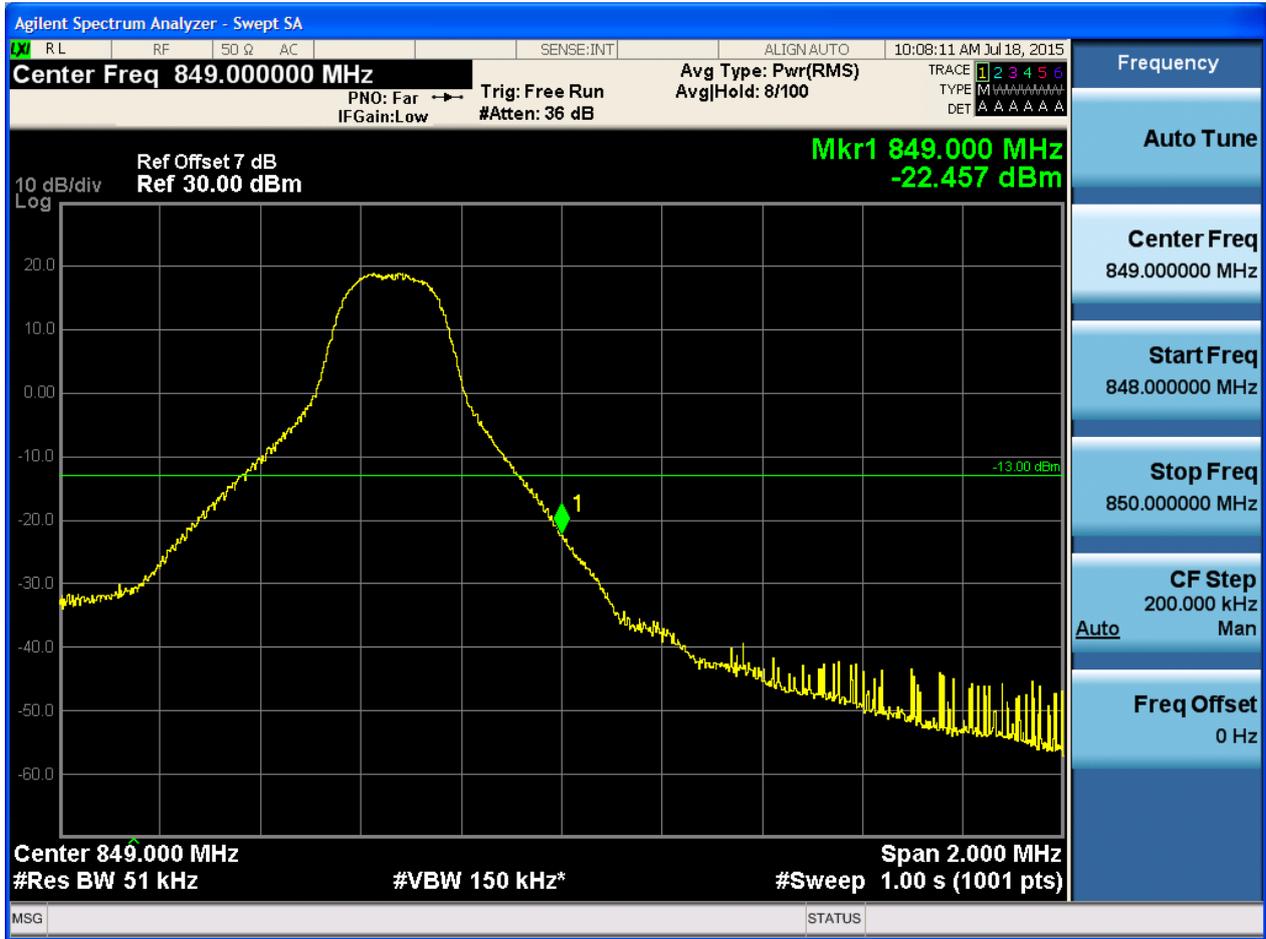
5.1.1.1.3.2.3 Test RB = RB12#6

5.1.1.1.3.2.4 Test RB = RB25#0

5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0

5.1.1.1.4.1.2 Test RB = RB1#49
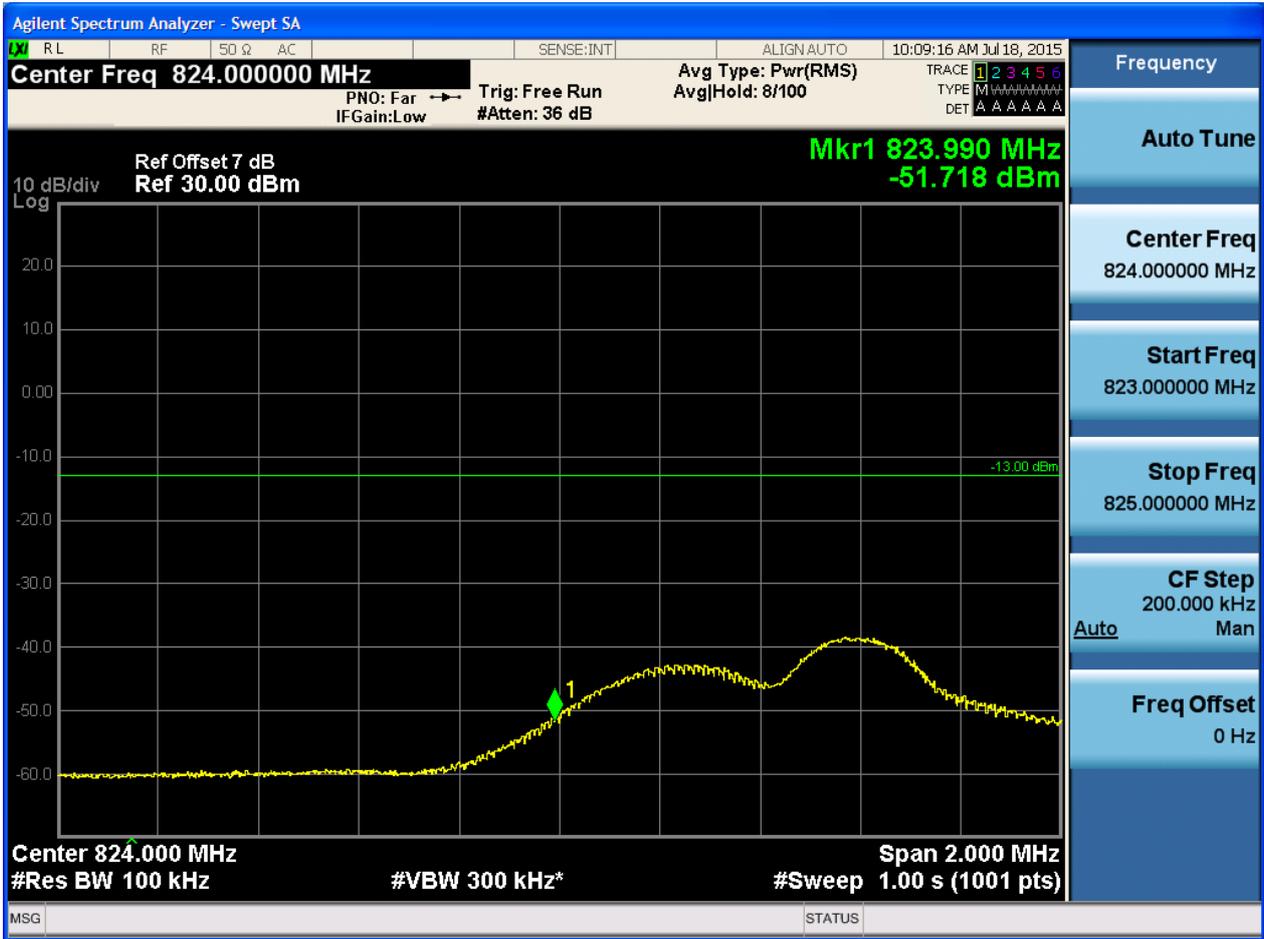
5.1.1.1.4.1.3 Test RB = RB25#13
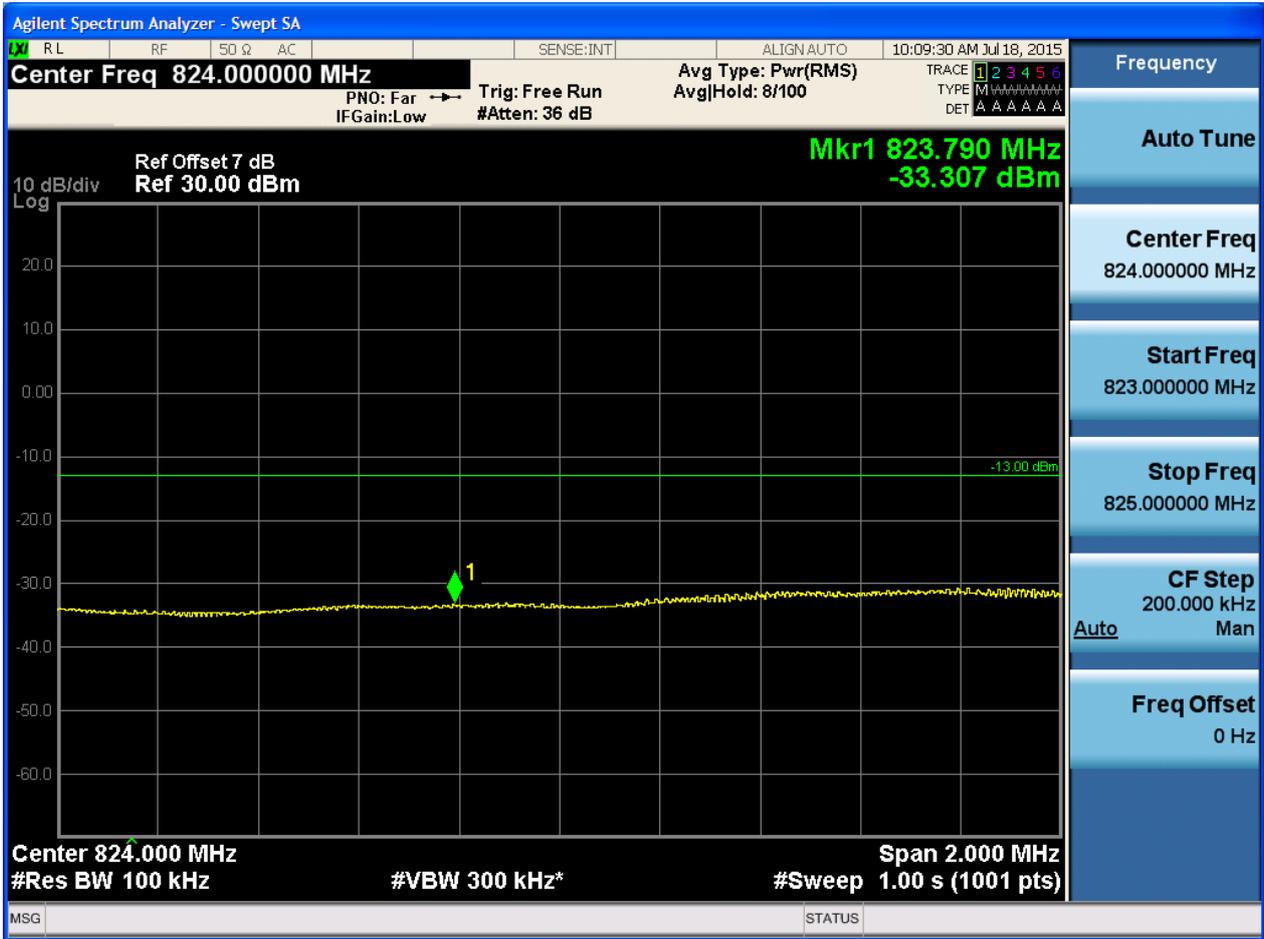
5.1.1.1.4.1.4 Test RB = RB50#0

5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0
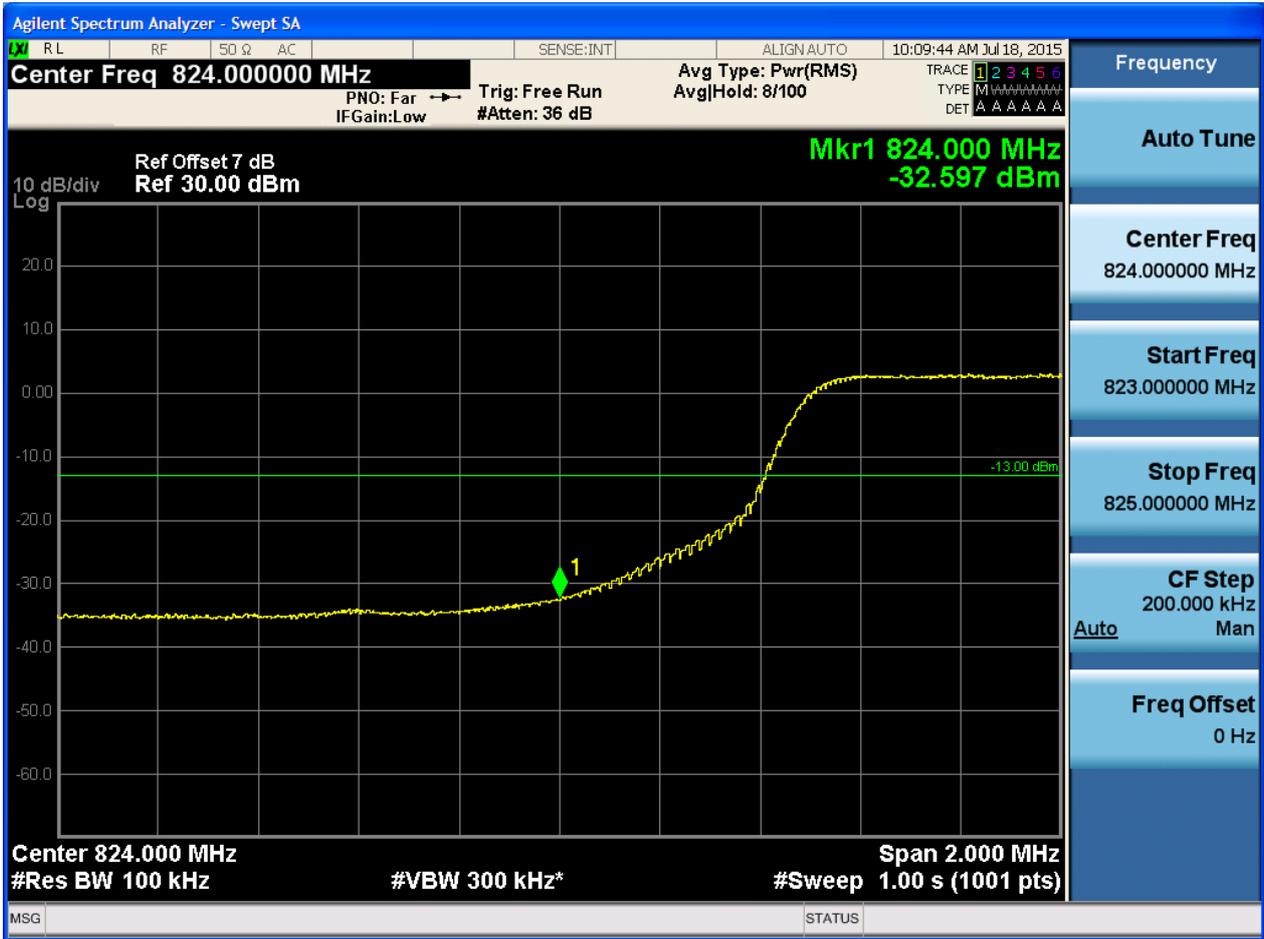
5.1.1.1.4.2.2 Test RB = RB1#49
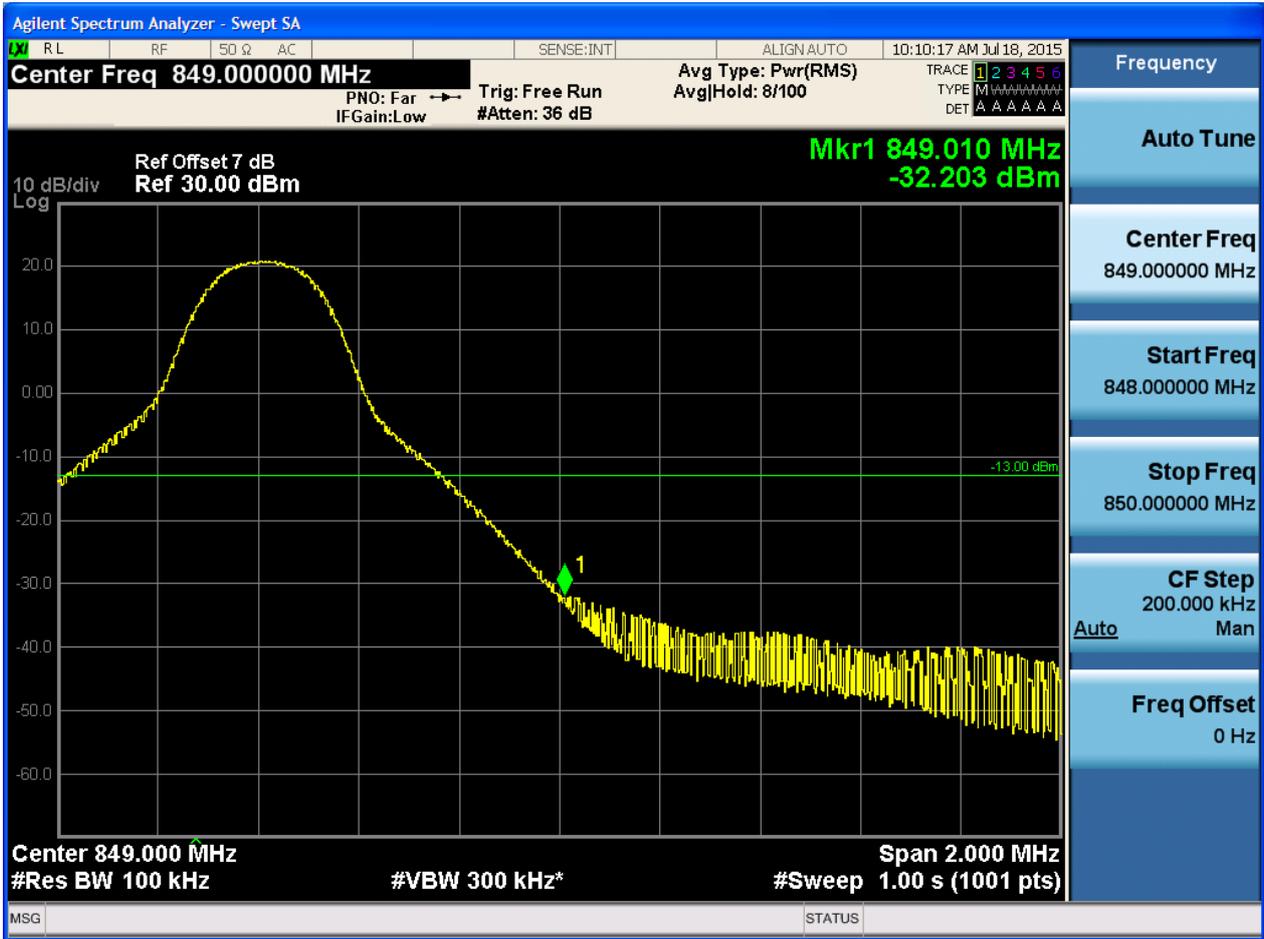
5.1.1.1.4.2.3 Test RB = RB25#13

5.1.1.1.4.2.4 Test RB = RB50#0

5.1.1.1.5 Test Bandwidth = 15

5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0

5.1.1.1.5.1.2 Test RB = RB1#74

5.1.1.1.5.1.3 Test RB = RB38#19
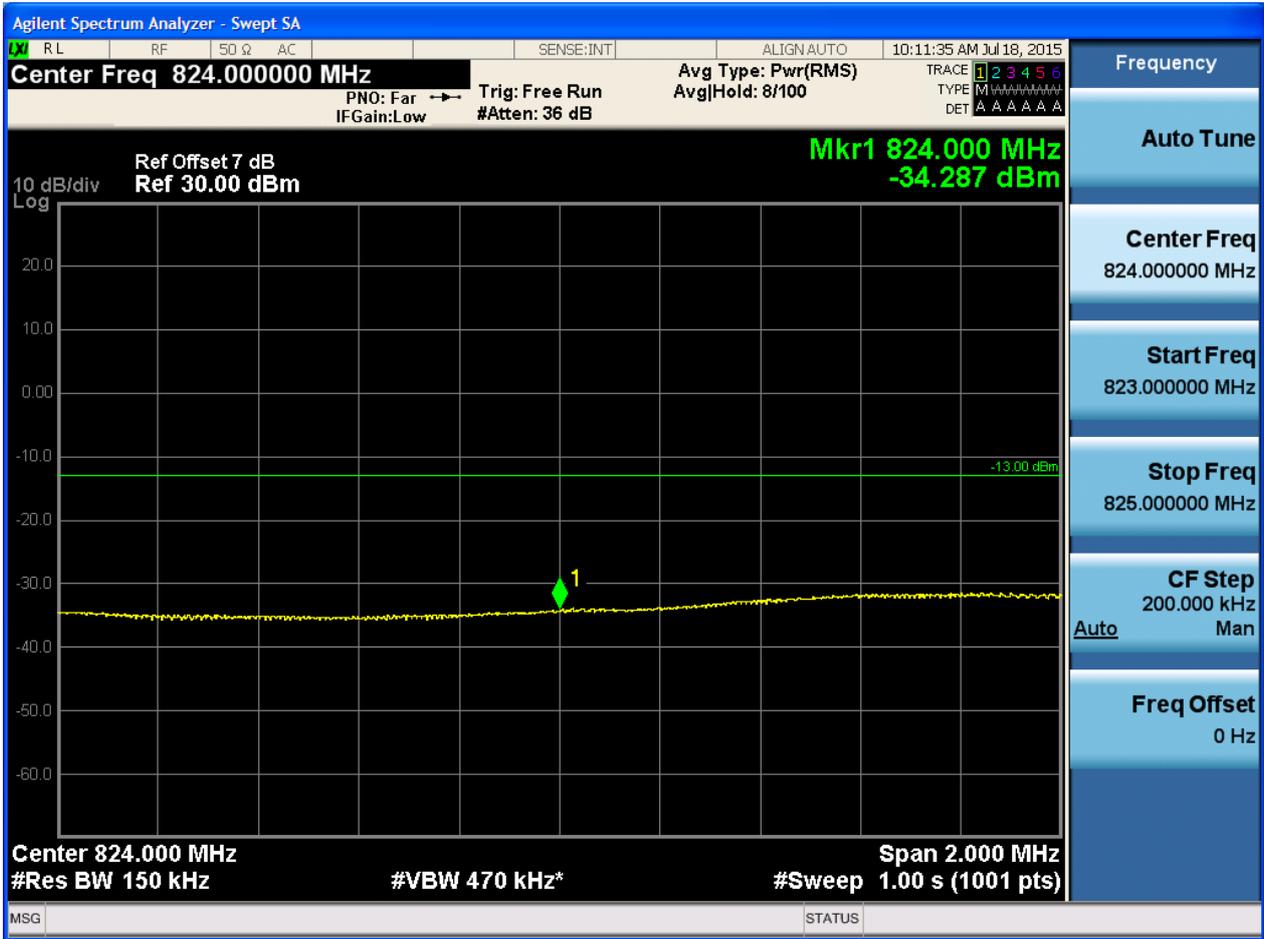
5.1.1.1.5.1.4 Test RB = RB75#0

5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0

5.1.1.1.5.2.2 Test RB = RB1#74

5.1.1.1.5.2.3 Test RB = RB38#19

5.1.1.1.5.2.4 Test RB = RB75#0
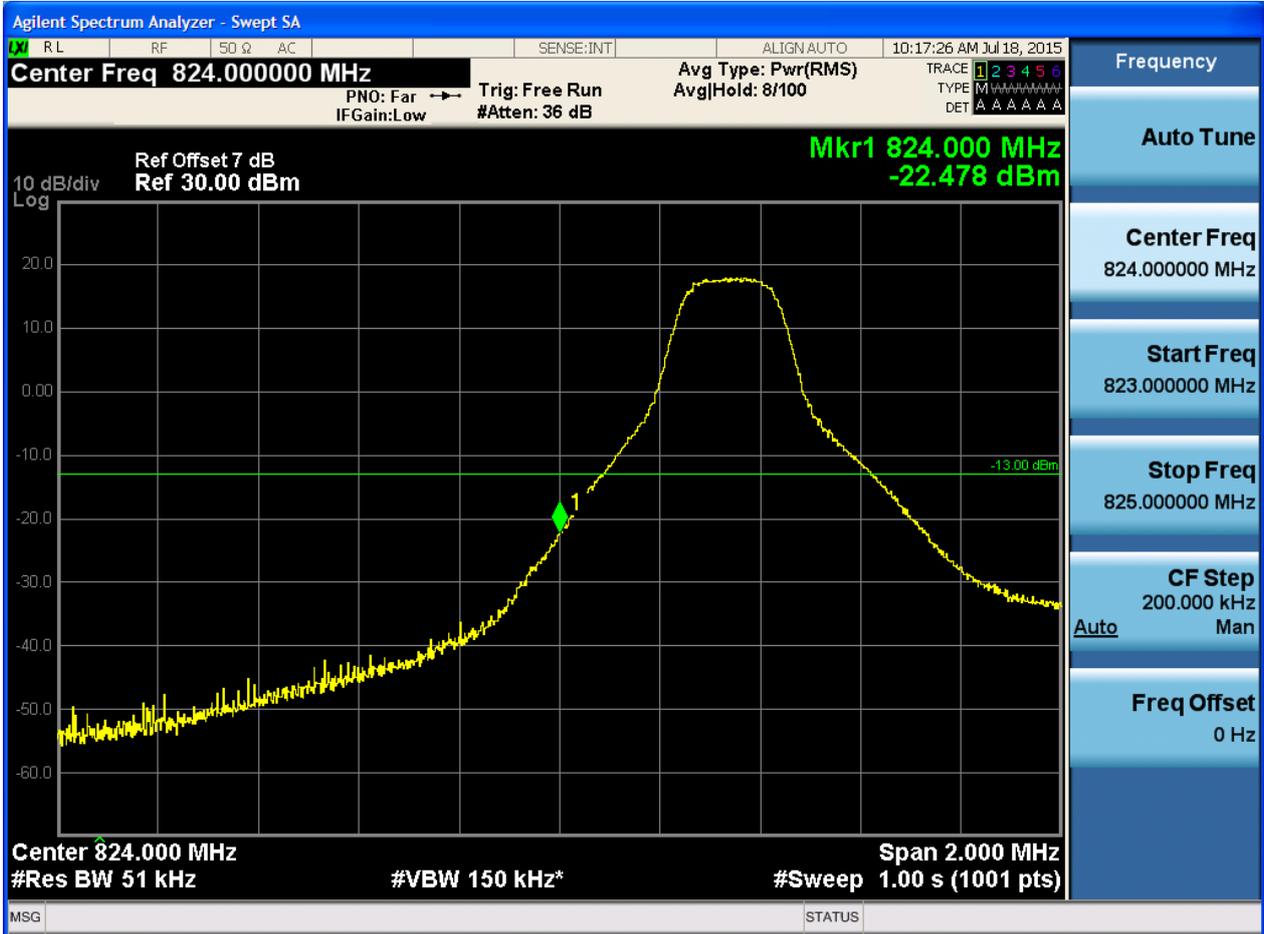
5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

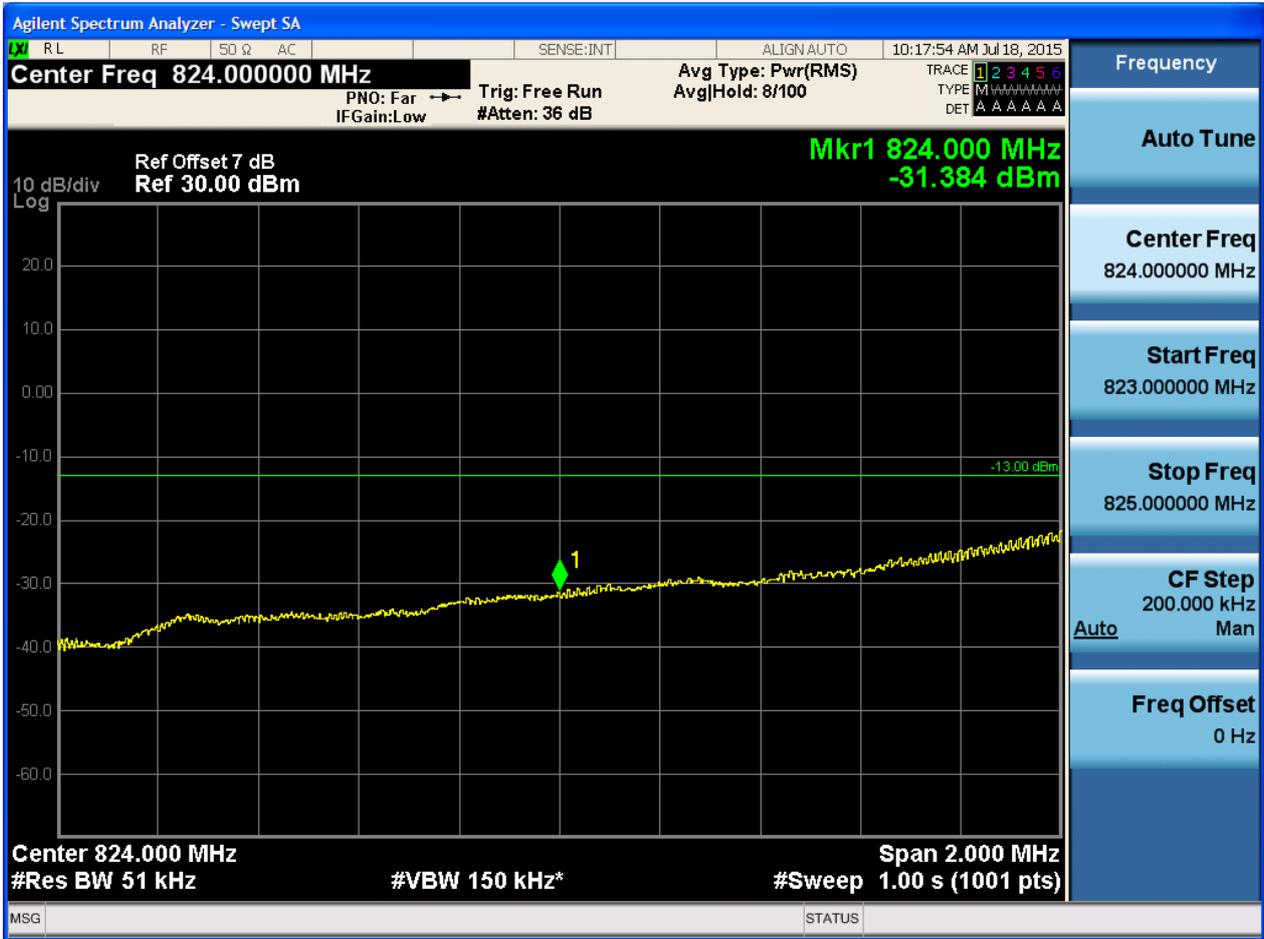## 5.1.1.2.1.1.1 Test RB = RB1#0
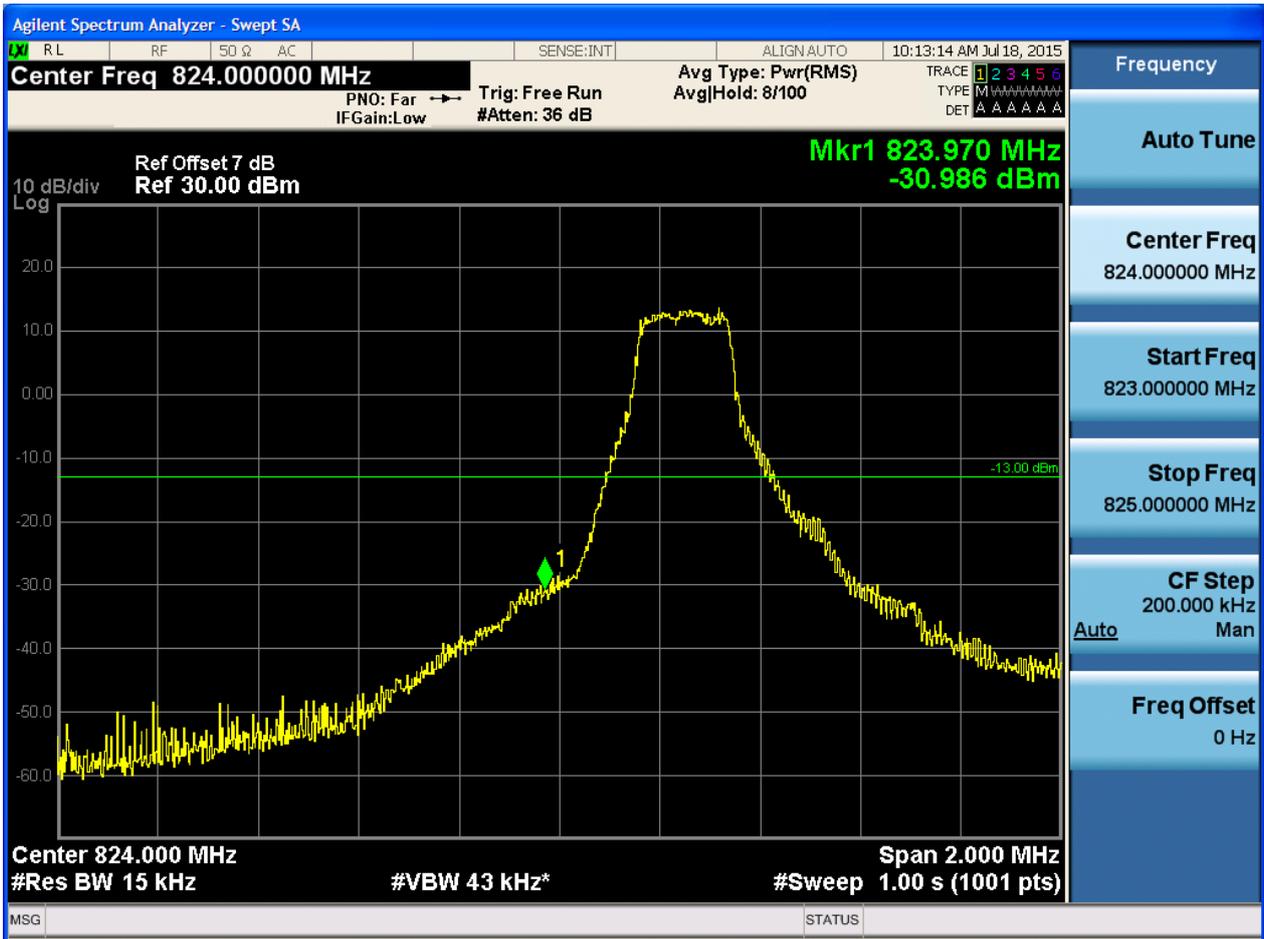
5.1.1.2.1.1.2 Test RB = RB1#5

5.1.1.2.1.1.3 Test RB = RB3#2

5.1.1.2.1.1.4 Test RB = RB6#0
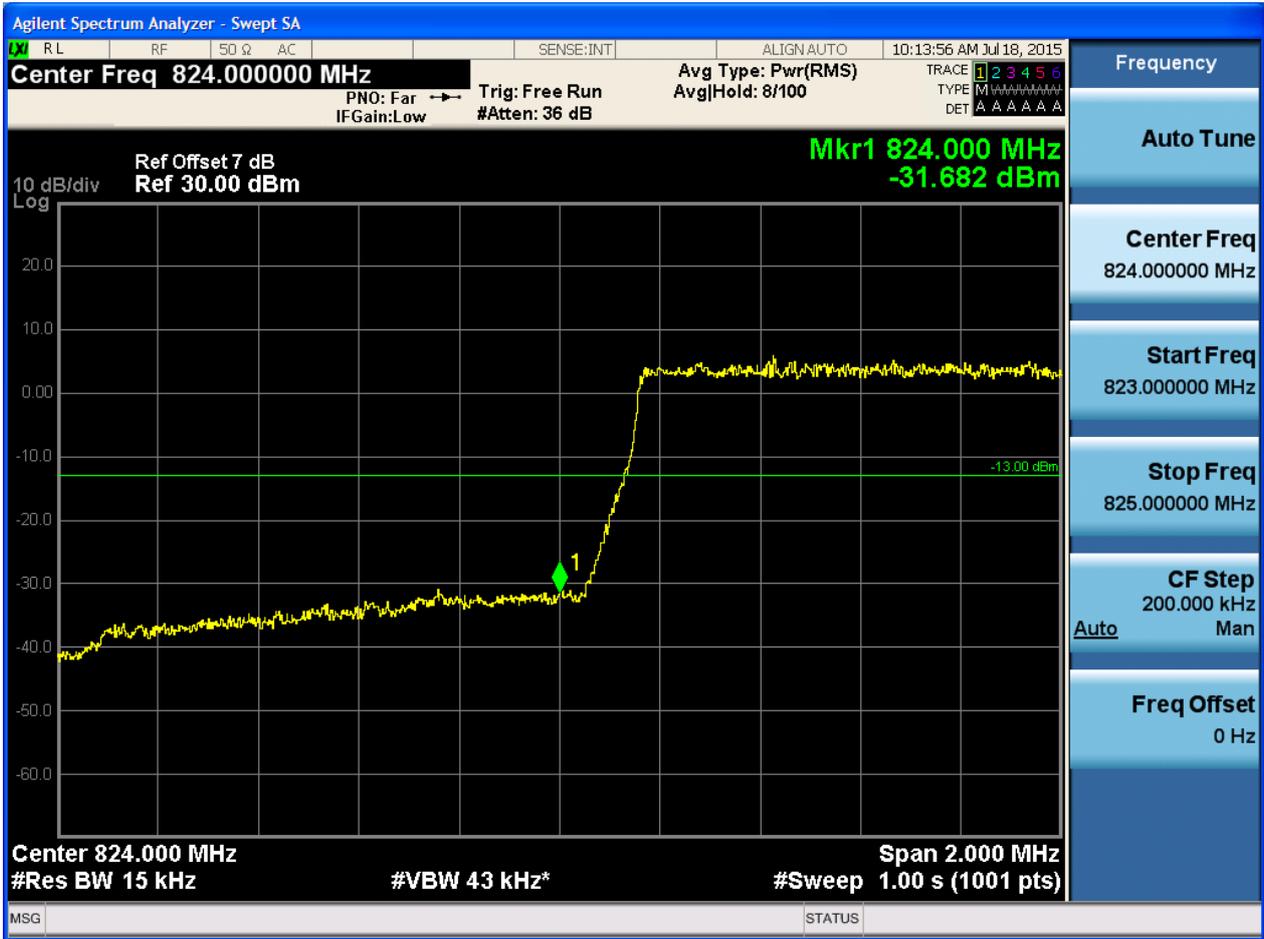
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0

5.1.1.2.1.2.2 Test RB = RB1#5
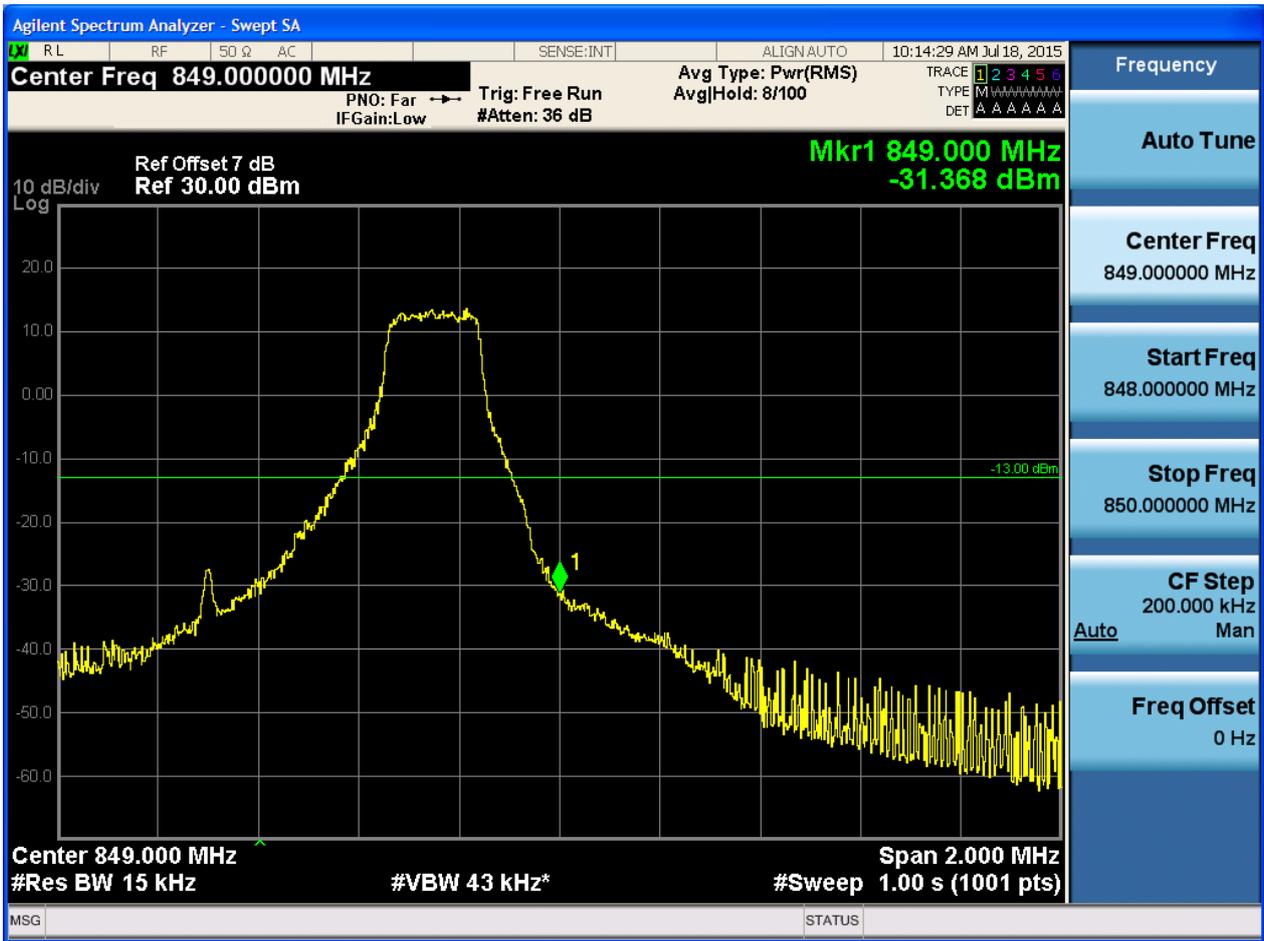
5.1.1.2.1.2.3 Test RB = RB3#2

5.1.1.2.1.2.4 Test RB = RB6#0
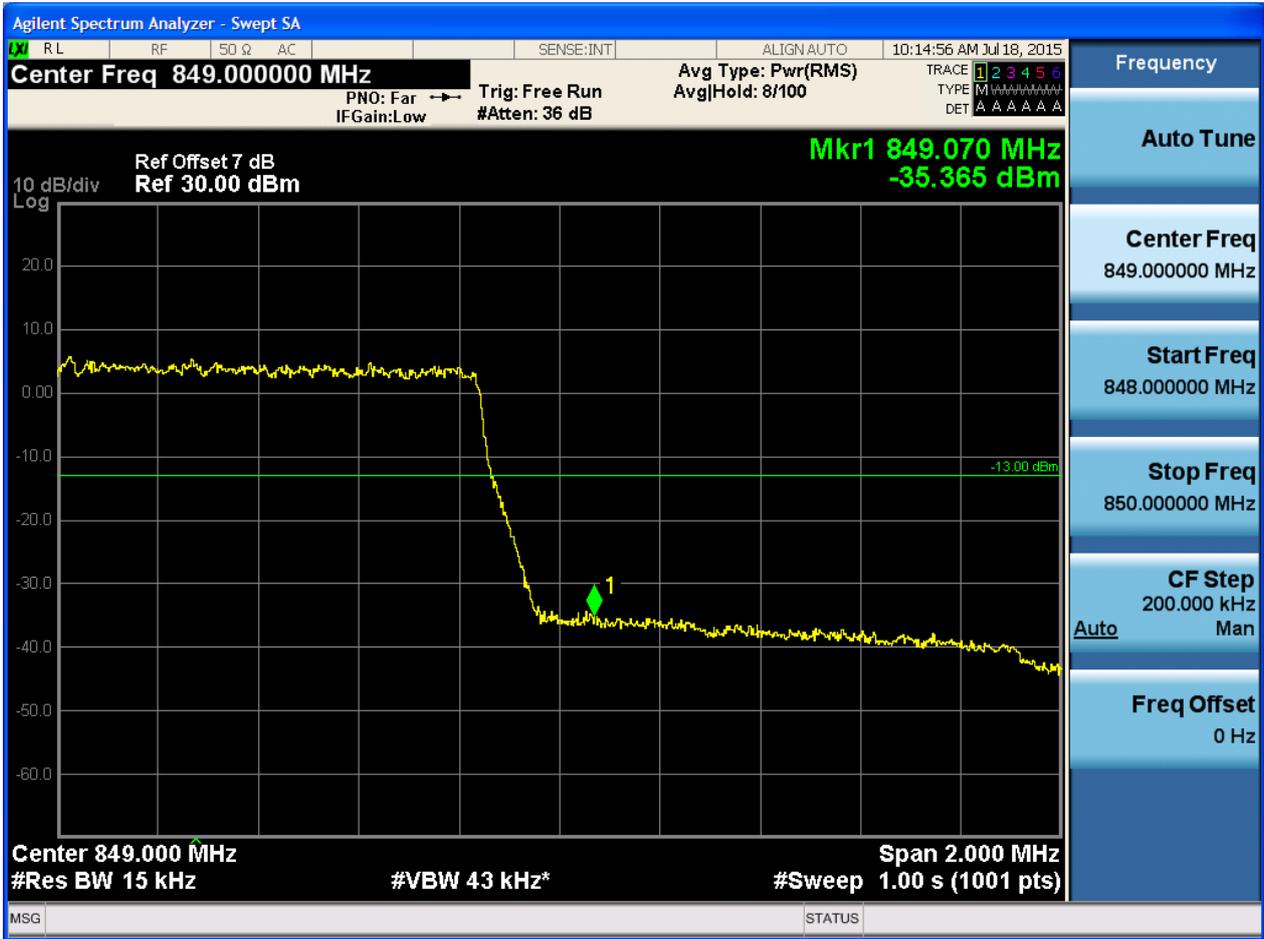
5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0
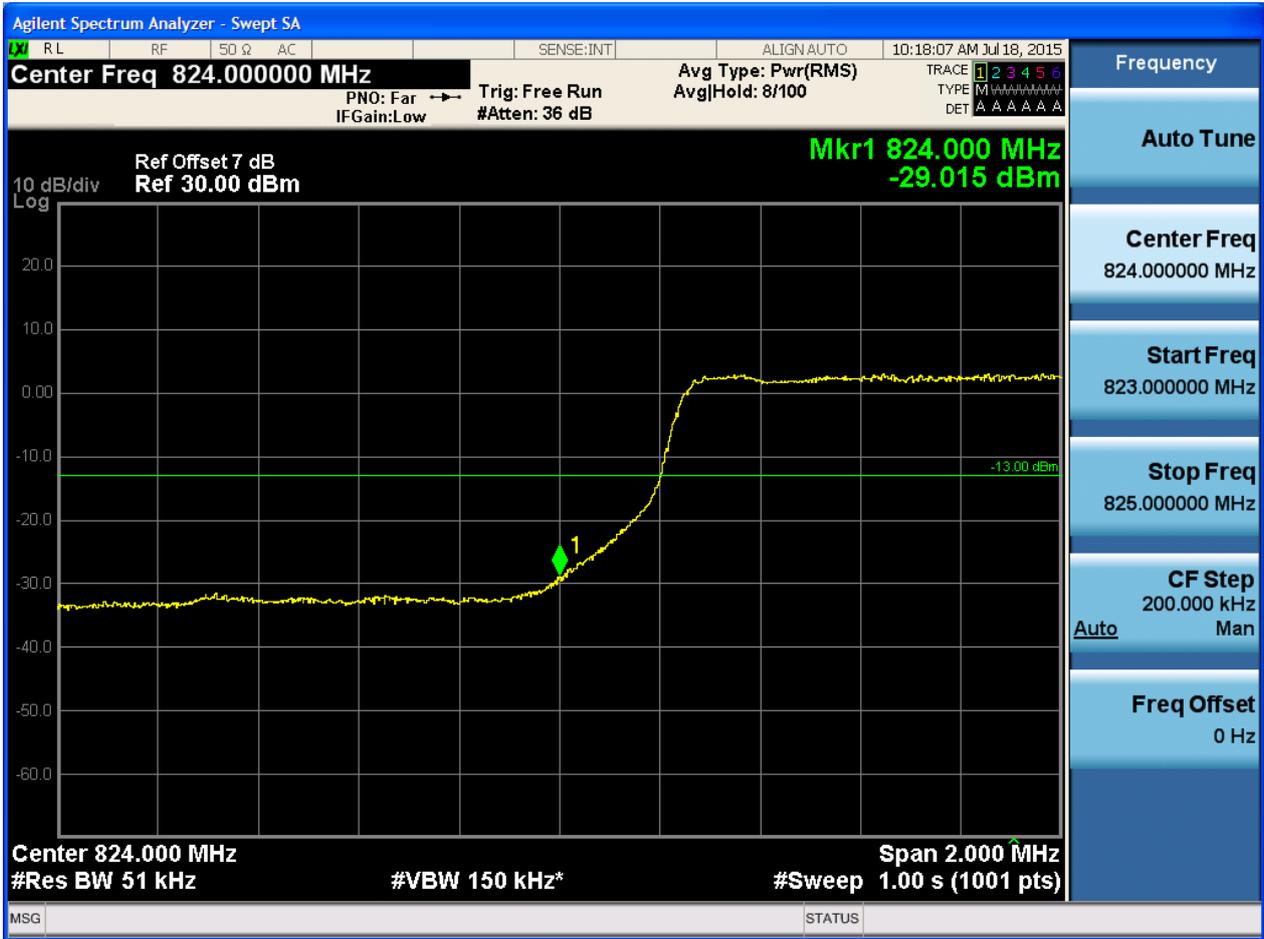
5.1.1.2.2.1.2 Test RB = RB1#14
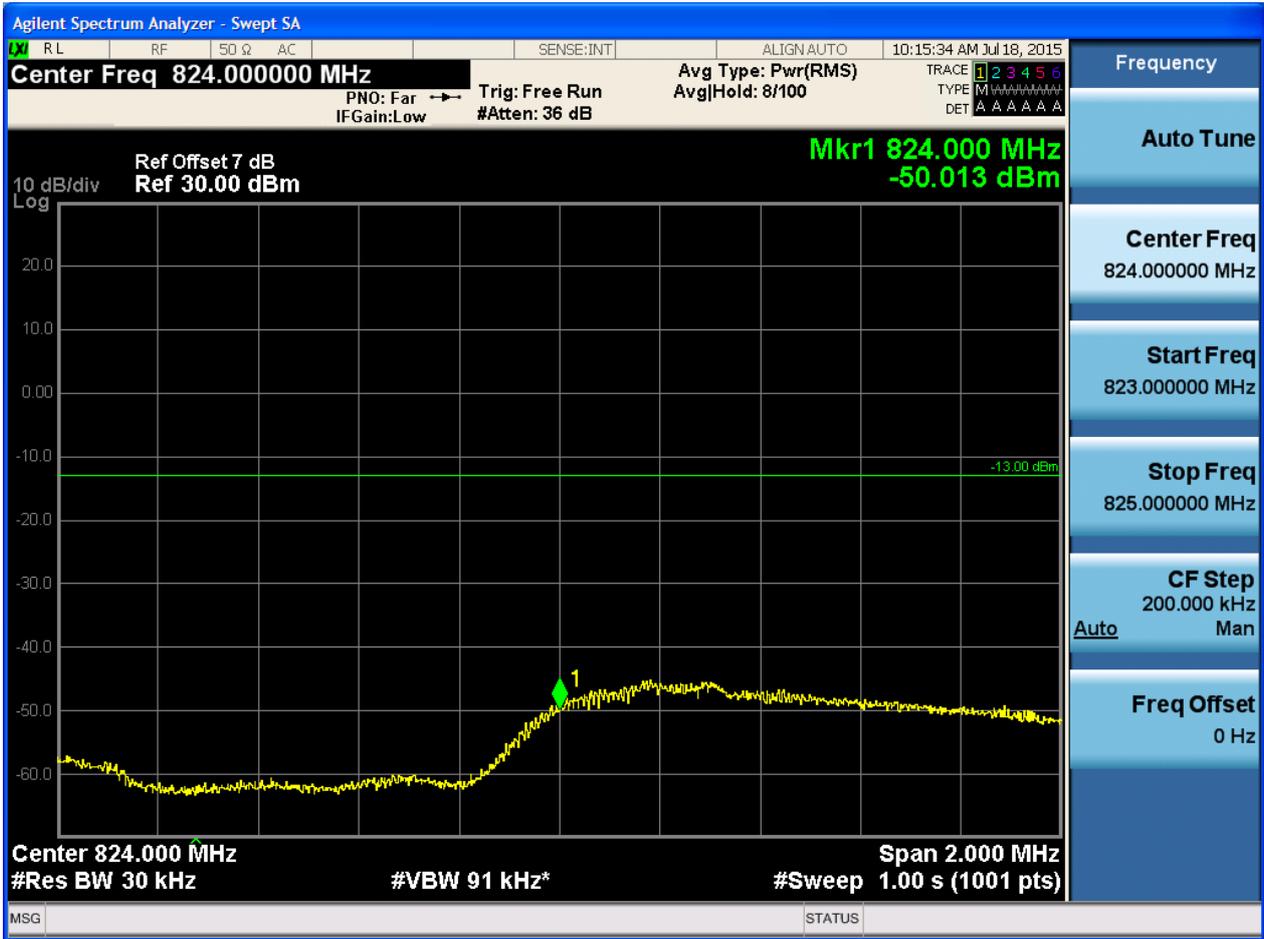
5.1.1.2.2.1.3 Test RB = RB8#4

5.1.1.2.2.1.4 Test RB = RB15#0
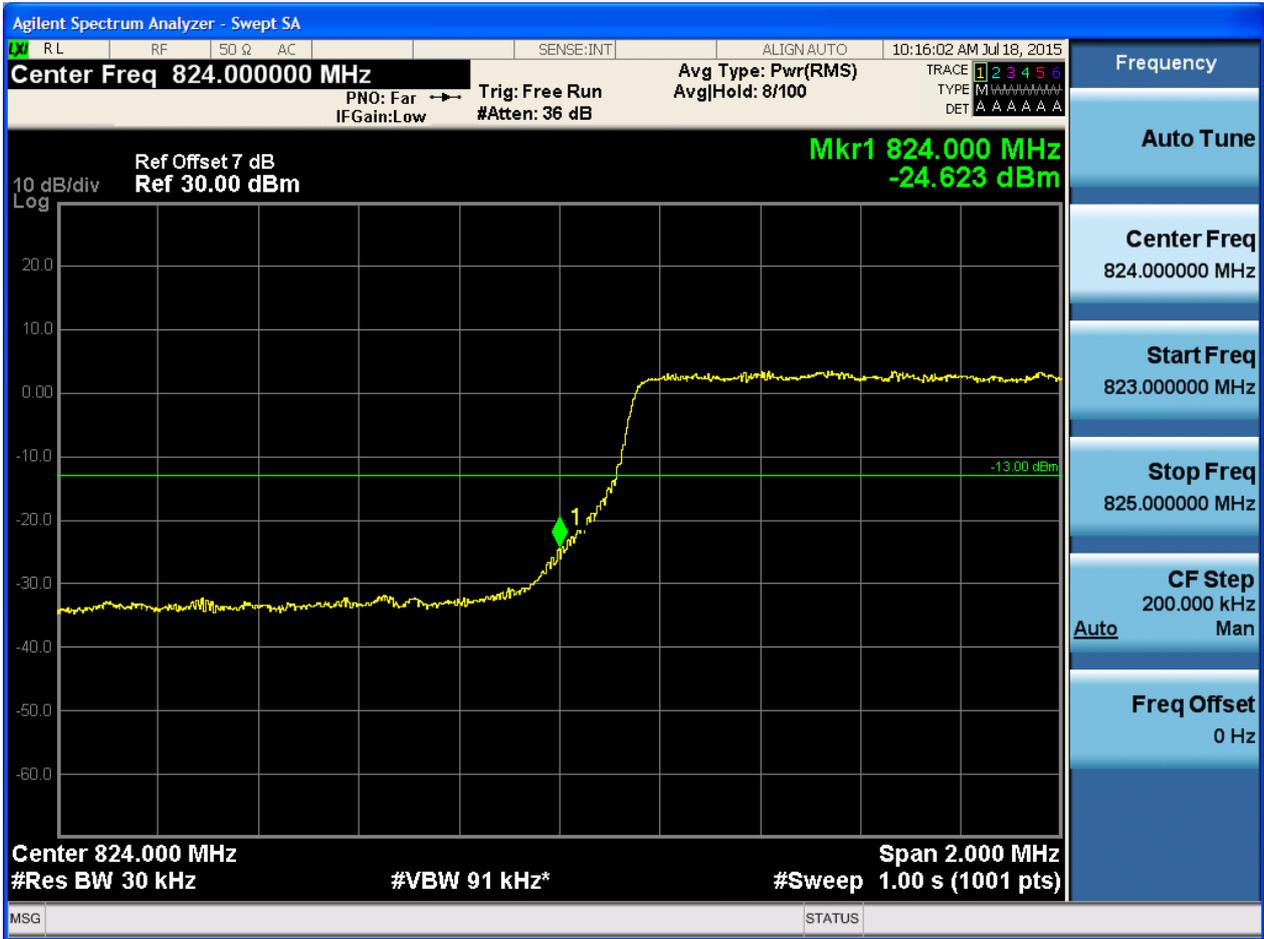
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0

5.1.1.2.2.2.2 Test RB = RB1#14

5.1.1.2.2.2.3 Test RB = RB8#4

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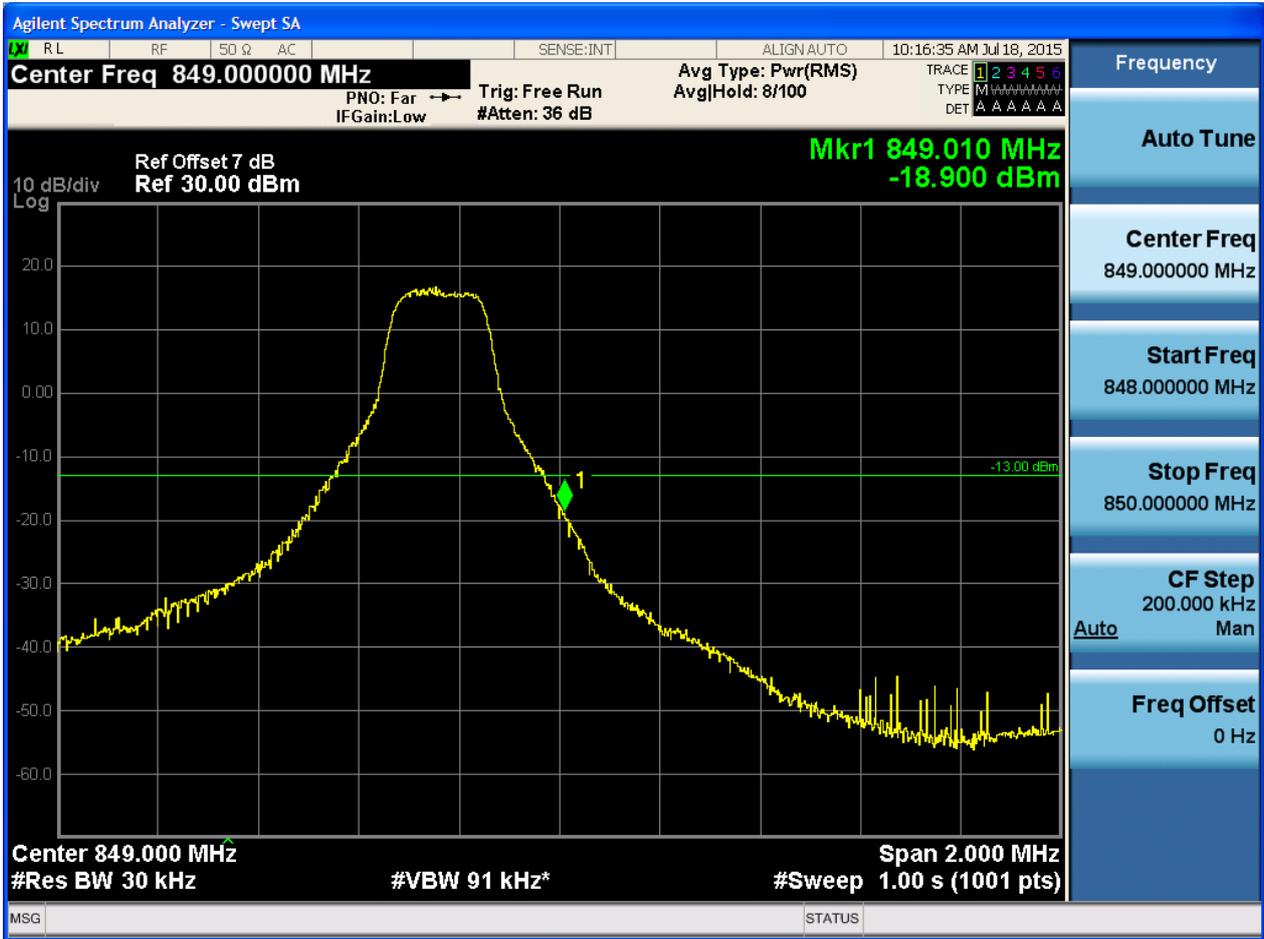
5.1.1.2.2.2.4 Test RB = RB15#0

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
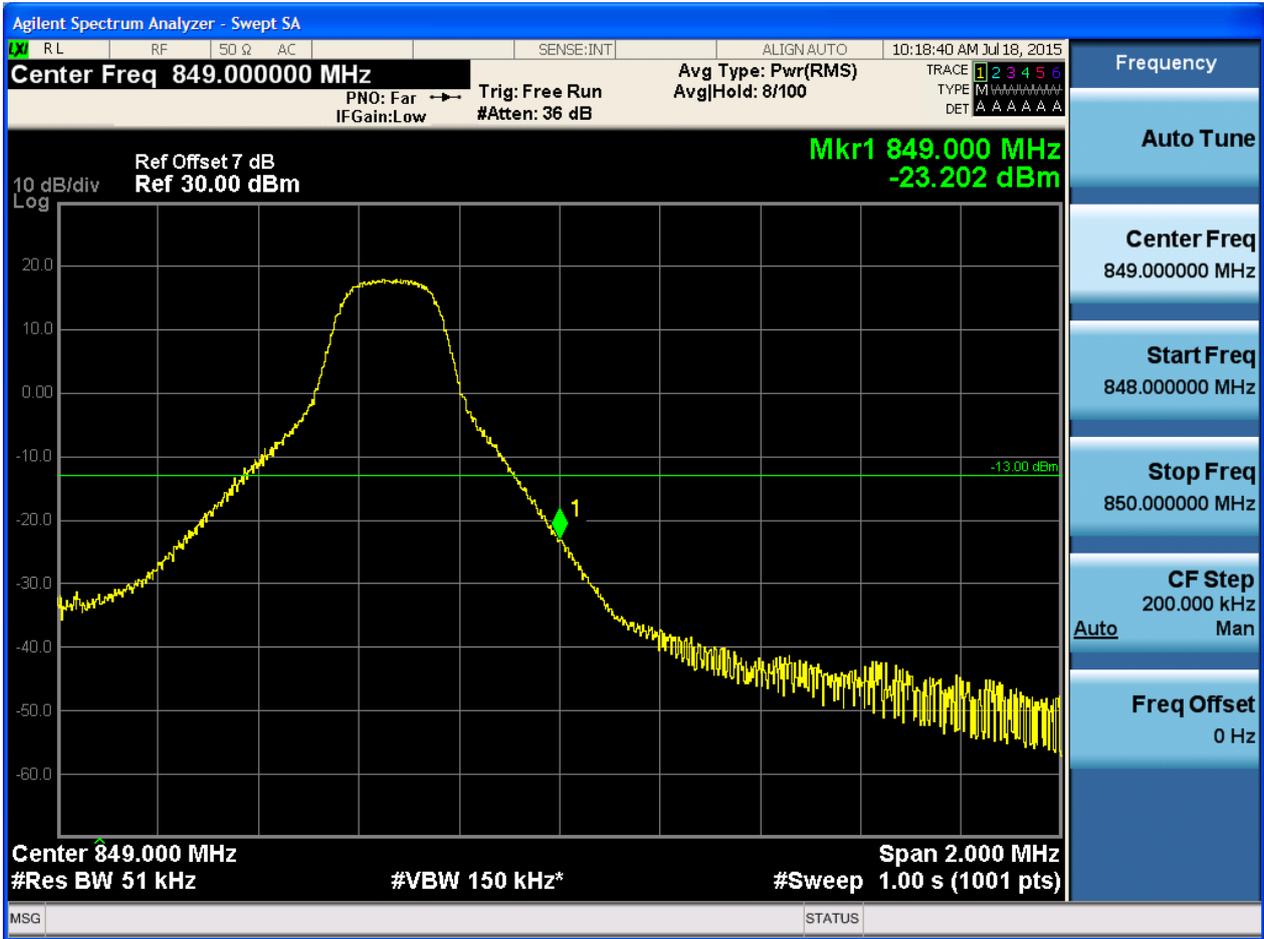
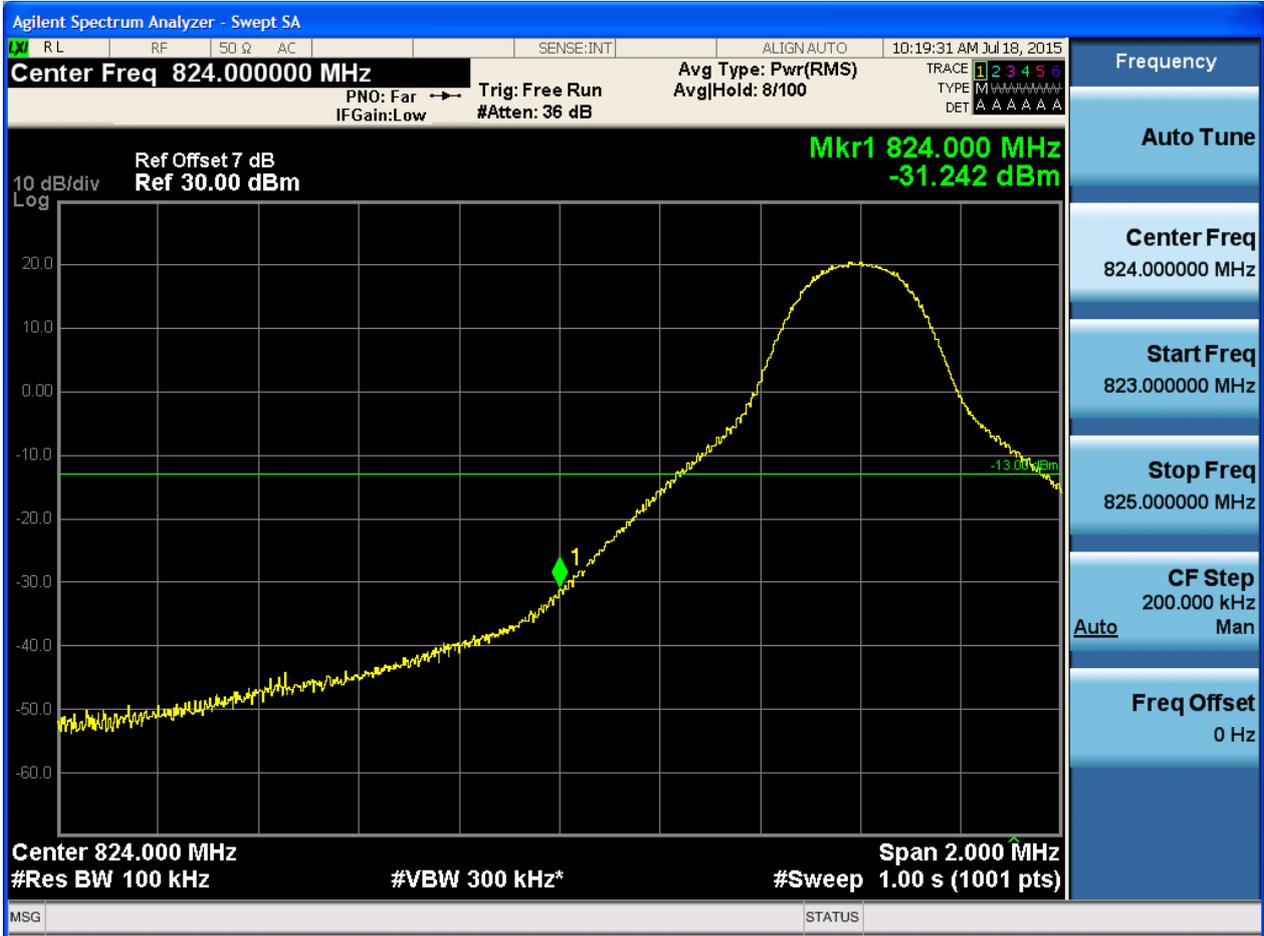## 5.1.1.2.3.2.3 Test RB = RB12#6

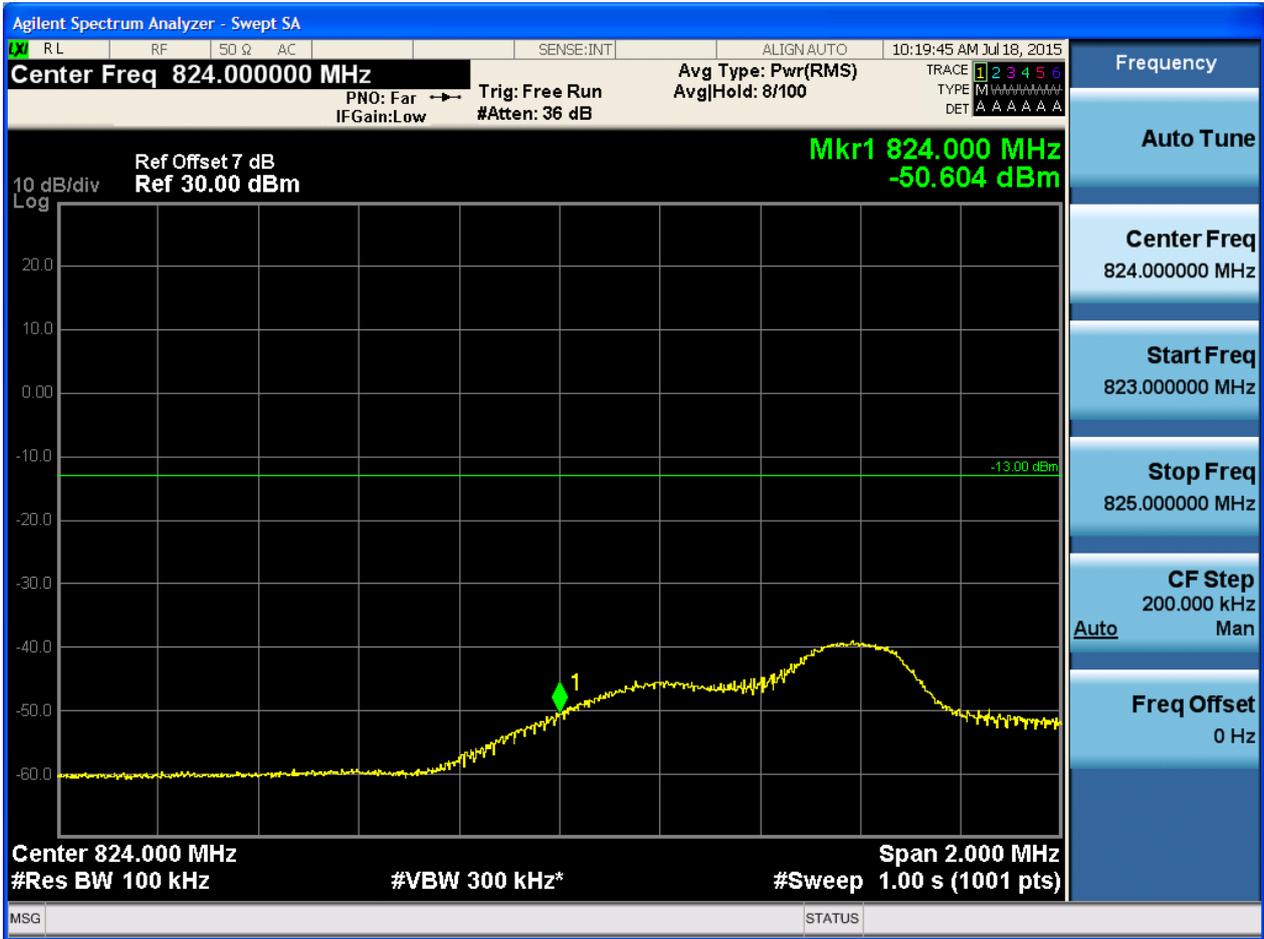## 5.1.1.2.3.2.4 Test RB = RB25#0

5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0

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5.1.1.2.4.1.2 Test RB = RB1#49

5.1.1.2.4.1.3 Test RB = RB25#13