



Appendix for test report



1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
BAND5	LTE/TM1	1.4	LCH	RB1#0	23.53	19.28	38.5	PASS
				RB1#3	23.49	19.24	38.5	PASS
				RB1#5	23.46	19.21	38.5	PASS
				RB3#0	23.47	19.22	38.5	PASS
				RB3#2	23.46	19.21	38.5	PASS
				RB3#3	23.48	19.23	38.5	PASS
				RB6#0	22.48	18.23	38.5	PASS
			MCH	RB1#0	23.58	19.33	38.5	PASS
				RB1#3	23.5	19.25	38.5	PASS
				RB1#5	23.52	19.27	38.5	PASS
				RB3#0	23.36	19.11	38.5	PASS
				RB3#2	23.65	19.4	38.5	PASS
				RB3#3	23.52	19.27	38.5	PASS
				RB6#0	22.54	18.29	38.5	PASS
			HCH	RB1#0	23.46	19.21	38.5	PASS
				RB1#3	23.7	19.45	38.5	PASS
				RB1#5	23.54	19.29	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB3#0	23.64	19.39	38.5	PASS
				RB3#2	23.62	19.37	38.5	PASS
				RB3#3	23.66	19.41	38.5	PASS
				RB6#0	22.54	18.29	38.5	PASS
		3	LCH	RB1#0	23.3	19.05	38.5	PASS
				RB1#7	23.75	19.5	38.5	PASS
				RB1#14	23.34	19.09	38.5	PASS
				RB8#0	22.54	18.29	38.5	PASS
				RB8#4	22.51	18.26	38.5	PASS
				RB8#7	22.66	18.41	38.5	PASS
				RB15#0	22.61	18.36	38.5	PASS
			MCH	RB1#0	23.4	19.15	38.5	PASS
				RB1#7	23.54	19.29	38.5	PASS
				RB1#14	23.39	19.14	38.5	PASS
				RB8#0	22.6	18.35	38.5	PASS
				RB8#4	22.57	18.32	38.5	PASS
				RB8#7	22.57	18.32	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB15#0	22.59	18.34	38.5	PASS
			HCH	RB1#0	23.36	19.11	38.5	PASS
				RB1#7	23.69	19.44	38.5	PASS
				RB1#14	23.46	19.21	38.5	PASS
				RB8#0	22.45	18.2	38.5	PASS
				RB8#4	22.47	18.22	38.5	PASS
				RB8#7	22.35	18.1	38.5	PASS
				RB15#0	22.41	18.16	38.5	PASS
		5	LCH	RB1#0	23.37	19.12	38.5	PASS
				RB1#13	23.35	19.1	38.5	PASS
				RB1#24	23.45	19.2	38.5	PASS
				RB12#0	22.46	18.21	38.5	PASS
				RB12#6	22.5	18.25	38.5	PASS
				RB12#13	22.46	18.21	38.5	PASS
				RB25#0	22.49	18.24	38.5	PASS
			MCH	RB1#0	23.19	18.94	38.5	PASS
				RB1#13	23.78	19.53	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#24	23.21	18.96	38.5	PASS
				RB12#0	22.36	18.11	38.5	PASS
				RB12#6	22.53	18.28	38.5	PASS
				RB12#13	22.48	18.23	38.5	PASS
				RB25#0	22.51	18.26	38.5	PASS
			HCH	RB1#0	23.16	18.91	38.5	PASS
				RB1#13	23.34	19.09	38.5	PASS
				RB1#24	22.91	18.66	38.5	PASS
				RB12#0	22.49	18.24	38.5	PASS
				RB12#6	22.45	18.2	38.5	PASS
				RB12#13	22.47	18.22	38.5	PASS
				RB25#0	22.48	18.23	38.5	PASS
		10	LCH	RB1#0	23.76	19.51	38.5	PASS
				RB1#25	23.83	19.58	38.5	PASS
				RB1#49	23.72	19.47	38.5	PASS
				RB25#0	22.64	18.39	38.5	PASS
				RB25#13	22.65	18.4	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.63	18.38	38.5	PASS
				RB50#0	22.64	18.39	38.5	PASS
			MCH	RB1#0	23.38	19.13	38.5	PASS
				RB1#25	23.72	19.47	38.5	PASS
				RB1#49	23.47	19.22	38.5	PASS
				RB25#0	22.59	18.34	38.5	PASS
				RB25#13	22.59	18.34	38.5	PASS
				RB25#25	22.48	18.23	38.5	PASS
				RB50#0	22.53	18.28	38.5	PASS
			HCH	RB1#0	23.49	19.24	38.5	PASS
				RB1#25	23.88	19.63	38.5	PASS
				RB1#49	23.67	19.42	38.5	PASS
				RB25#0	22.58	18.33	38.5	PASS
				RB25#13	22.49	18.24	38.5	PASS
				RB25#25	22.52	18.27	38.5	PASS
				RB50#0	22.47	18.22	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.3	18.05	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#3	22.22	17.97	38.5	PASS
				RB1#5	21.96	17.71	38.5	PASS
				RB3#0	22.33	18.08	38.5	PASS
				RB3#2	22.65	18.4	38.5	PASS
				RB3#3	22.4	18.15	38.5	PASS
				RB6#0	21.48	17.23	38.5	PASS
			MCH	RB1#0	22.56	18.31	38.5	PASS
				RB1#3	22.6	18.35	38.5	PASS
				RB1#5	22.57	18.32	38.5	PASS
				RB3#0	22.46	18.21	38.5	PASS
				RB3#2	22.16	17.91	38.5	PASS
				RB3#3	22.11	17.86	38.5	PASS
				RB6#0	21.3	17.05	38.5	PASS
			HCH	RB1#0	21.97	17.72	38.5	PASS
				RB1#3	22	17.75	38.5	PASS
				RB1#5	22	17.75	38.5	PASS
				RB3#0	22.66	18.41	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB3#2	22.64	18.39	38.5	PASS
				RB3#3	22.61	18.36	38.5	PASS
				RB6#0	21.51	17.26	38.5	PASS
		3	LCH	RB1#0	99999	18.38	38.5	PASS
				RB1#7	22.84	18.59	38.5	PASS
				RB1#14	22.61	18.36	38.5	PASS
				RB8#0	21.58	17.33	38.5	PASS
				RB8#4	21.77	17.52	38.5	PASS
				RB8#7	21.59	17.34	38.5	PASS
				RB15#0	21.71	17.46	38.5	PASS
			MCH	RB1#0	22.52	18.27	38.5	PASS
				RB1#7	22.9	18.65	38.5	PASS
				RB1#14	22.84	18.59	38.5	PASS
				RB8#0	21.6	17.35	38.5	PASS
				RB8#4	21.53	17.28	38.5	PASS
				RB8#7	21.63	17.38	38.5	PASS
				RB15#0	21.35	17.1	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.5	18.25	38.5	PASS
				RB1#7	22.63	18.38	38.5	PASS
				RB1#14	21.9	17.65	38.5	PASS
				RB8#0	21.54	17.29	38.5	PASS
				RB8#4	21.35	17.1	38.5	PASS
				RB8#7	21.3	17.05	38.5	PASS
				RB15#0	21.15	16.9	38.5	PASS
		5	LCH	RB1#0	22.3	18.05	38.5	PASS
				RB1#13	22.37	18.12	38.5	PASS
				RB1#24	22.19	17.94	38.5	PASS
				RB12#0	21.69	17.44	38.5	PASS
				RB12#6	21.69	17.44	38.5	PASS
				RB12#13	21.62	17.37	38.5	PASS
				RB25#0	21.67	17.42	38.5	PASS
			MCH	RB1#0	22.09	17.84	38.5	PASS
				RB1#13	22.15	17.9	38.5	PASS
				RB1#24	22.09	17.84	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#0	21.27	17.02	38.5	PASS
				RB12#6	21.29	17.04	38.5	PASS
				RB12#13	21.18	16.93	38.5	PASS
				RB25#0	21.61	17.36	38.5	PASS
			HCH	RB1#0	22.8	18.55	38.5	PASS
				RB1#13	22.77	18.52	38.5	PASS
				RB1#24	22.3	18.05	38.5	PASS
				RB12#0	21.61	17.36	38.5	PASS
				RB12#6	21.65	17.4	38.5	PASS
				RB12#13	21.77	17.52	38.5	PASS
				RB25#0	21.48	17.23	38.5	PASS
		10	LCH	RB1#0	22.89	18.64	38.5	PASS
				RB1#25	23.15	18.9	38.5	PASS
				RB1#49	22.68	18.43	38.5	PASS
				RB25#0	21.68	17.43	38.5	PASS
				RB25#13	21.52	17.27	38.5	PASS
				RB25#25	21.51	17.26	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.57	17.32	38.5	PASS
				RB1#0	21.85	17.6	38.5	PASS
			MCH	RB1#25	22.74	18.49	38.5	PASS
				RB1#49	21.88	17.63	38.5	PASS
				RB25#0	21.58	17.33	38.5	PASS
				RB25#13	21.68	17.43	38.5	PASS
				RB25#25	21.49	17.24	38.5	PASS
				RB50#0	21.54	17.29	38.5	PASS
			HCH	RB1#0	22.23	17.98	38.5	PASS
				RB1#25	22.89	18.64	38.5	PASS
				RB1#49	22.07	17.82	38.5	PASS
				RB25#0	21.68	17.43	38.5	PASS
				RB25#13	21.79	17.54	38.5	PASS
				RB25#25	21.74	17.49	38.5	PASS
				RB50#0	21.56	17.31	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:

SET Span=1.5*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

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	2.93	13	PASS
				RB1#3	2.95	13	PASS
				RB1#5	3	13	PASS
				RB3#0	3.45	13	PASS
				RB3#2	3.33	13	PASS
				RB3#3	3.41	13	PASS
				RB6#0	4.64	13	PASS
			MCH	RB1#0	3.27	13	PASS
				RB1#3	3.18	13	PASS
				RB1#5	3.26	13	PASS
				RB3#0	3.62	13	PASS
				RB3#2	3.51	13	PASS
				RB3#3	3.62	13	PASS
				RB6#0	4.69	13	PASS
			HCH	RB1#0	2.9	13	PASS
				RB1#3	2.7	13	PASS
				RB1#5	2.81	13	PASS
				RB3#0	3.37	13	PASS
				RB3#2	3.06	13	PASS
				RB3#3	3.25	13	PASS
				RB6#0	4.4	13	PASS
		3	LCH	RB1#0	2.99	13	PASS
				RB1#7	2.95	13	PASS
				RB1#14	3.05	13	PASS
				RB8#0	4.04	13	PASS
				RB8#4	3.97	13	PASS
				RB8#7	4.25	13	PASS
				RB15#0	4.49	13	PASS
			MCH	RB1#0	3.29	13	PASS
				RB1#7	3.16	13	PASS
				RB1#14	3.21	13	PASS
				RB8#0	4.32	13	PASS
				RB8#4	4.1	13	PASS
				RB8#7	4.21	13	PASS
				RB15#0	4.76	13	PASS
			HCH	RB1#0	2.89	13	PASS
				RB1#7	2.76	13	PASS
				RB1#14	2.73	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	4	13	PASS
				RB8#4	3.81	13	PASS
				RB8#7	3.85	13	PASS
				RB15#0	4.54	13	PASS
			LCH	RB1#0	2.91	13	PASS
				RB1#13	2.87	13	PASS
				RB1#24	3.02	13	PASS
				RB12#0	4.02	13	PASS
				RB12#6	3.95	13	PASS
				RB12#13	4.08	13	PASS
				RB25#0	4.51	13	PASS
			MCH	RB1#0	3.17	13	PASS
				RB1#13	3.05	13	PASS
				RB1#24	3.17	13	PASS
				RB12#0	4.17	13	PASS
				RB12#6	4.01	13	PASS
				RB12#13	4.12	13	PASS
				RB25#0	4.91	13	PASS
			HCH	RB1#0	3.11	13	PASS
				RB1#13	2.88	13	PASS
				RB1#24	2.98	13	PASS
				RB12#0	4	13	PASS
				RB12#6	3.75	13	PASS
				RB12#13	3.85	13	PASS
				RB25#0	4.53	13	PASS
		10	LCH	RB1#0	3.07	13	PASS
				RB1#25	2.89	13	PASS
				RB1#49	3.12	13	PASS
				RB25#0	4.03	13	PASS
				RB25#13	4.06	13	PASS
				RB25#25	4.1	13	PASS
				RB50#0	4.54	13	PASS
			MCH	RB1#0	3.21	13	PASS
				RB1#25	3.16	13	PASS
				RB1#49	3.23	13	PASS
				RB25#0	4.18	13	PASS
				RB25#13	4.15	13	PASS
				RB25#25	4.26	13	PASS
				RB50#0	4.57	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
	LTE/TM2		HCH	RB1#0	3.21	13	PASS
				RB1#25	2.78	13	PASS
				RB1#49	2.78	13	PASS
				RB25#0	4.18	13	PASS
				RB25#13	3.97	13	PASS
				RB25#25	3.98	13	PASS
				RB50#0	4.87	13	PASS
		1.4	LCH	RB1#0	3.9	13	PASS
				RB1#3	3.93	13	PASS
				RB1#5	3.99	13	PASS
				RB3#0	4.12	13	PASS
				RB3#2	4.08	13	PASS
				RB3#3	4.14	13	PASS
				RB6#0	5.24	13	PASS
			MCH	RB1#0	4.17	13	PASS
				RB1#3	4.1	13	PASS
				RB1#5	4.13	13	PASS
				RB3#0	4.25	13	PASS
				RB3#2	4.15	13	PASS
				RB3#3	4.33	13	PASS
				RB6#0	5.37	13	PASS
			HCH	RB1#0	3.66	13	PASS
				RB1#3	3.72	13	PASS
				RB1#5	3.76	13	PASS
				RB3#0	4.08	13	PASS
				RB3#2	3.96	13	PASS
				RB3#3	4.1	13	PASS
				RB6#0	5.37	13	PASS
		3	LCH	RB1#0	3.69	13	PASS
				RB1#7	3.68	13	PASS
				RB1#14	3.88	13	PASS
				RB8#0	4.87	13	PASS
				RB8#4	4.87	13	PASS
				RB8#7	4.99	13	PASS
				RB15#0	5.52	13	PASS
			MCH	RB1#0	4.03	13	PASS
				RB1#7	4.01	13	PASS
				RB1#14	4.11	13	PASS
				RB8#0	5.03	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#4	5.05	13	PASS
				RB8#7	5.08	13	PASS
				RB15#0	5.81	13	PASS
			HCH	RB1#0	4.02	13	PASS
				RB1#7	3.84	13	PASS
				RB1#14	3.93	13	PASS
				RB8#0	4.98	13	PASS
				RB8#4	4.81	13	PASS
				RB8#7	4.82	13	PASS
				RB15#0	5.4	13	PASS
		5	LCH	RB1#0	3.95	13	PASS
				RB1#13	3.97	13	PASS
				RB1#24	4.07	13	PASS
				RB12#0	4.95	13	PASS
				RB12#6	4.86	13	PASS
				RB12#13	5.02	13	PASS
				RB25#0	5.45	13	PASS
			MCH	RB1#0	4.21	13	PASS
				RB1#13	4.1	13	PASS
				RB1#24	4.21	13	PASS
				RB12#0	5.01	13	PASS
				RB12#6	4.94	13	PASS
				RB12#13	5.02	13	PASS
				RB25#0	5.64	13	PASS
			HCH	RB1#0	3.73	13	PASS
				RB1#13	3.51	13	PASS
				RB1#24	3.61	13	PASS
				RB12#0	4.82	13	PASS
				RB12#6	4.63	13	PASS
				RB12#13	4.71	13	PASS
				RB25#0	5.46	13	PASS
		10	LCH	RB1#0	4.08	13	PASS
				RB1#25	3.86	13	PASS
				RB1#49	4.21	13	PASS
				RB25#0	4.99	13	PASS
				RB25#13	4.88	13	PASS
				RB25#25	5.14	13	PASS
				RB50#0	5.63	13	PASS
			MCH	RB1#0	4.08	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	4.15	13	PASS
				RB1#49	4.29	13	PASS
				RB25#0	5.06	13	PASS
				RB25#13	4.9	13	PASS
				RB25#25	5.03	13	PASS
				RB50#0	5.64	13	PASS
			HCH	RB1#0	3.91	13	PASS
				RB1#25	3.72	13	PASS
				RB1#49	3.7	13	PASS
				RB25#0	5.03	13	PASS
				RB25#13	4.89	13	PASS
				RB25#25	4.84	13	PASS
				RB50#0	5.57	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

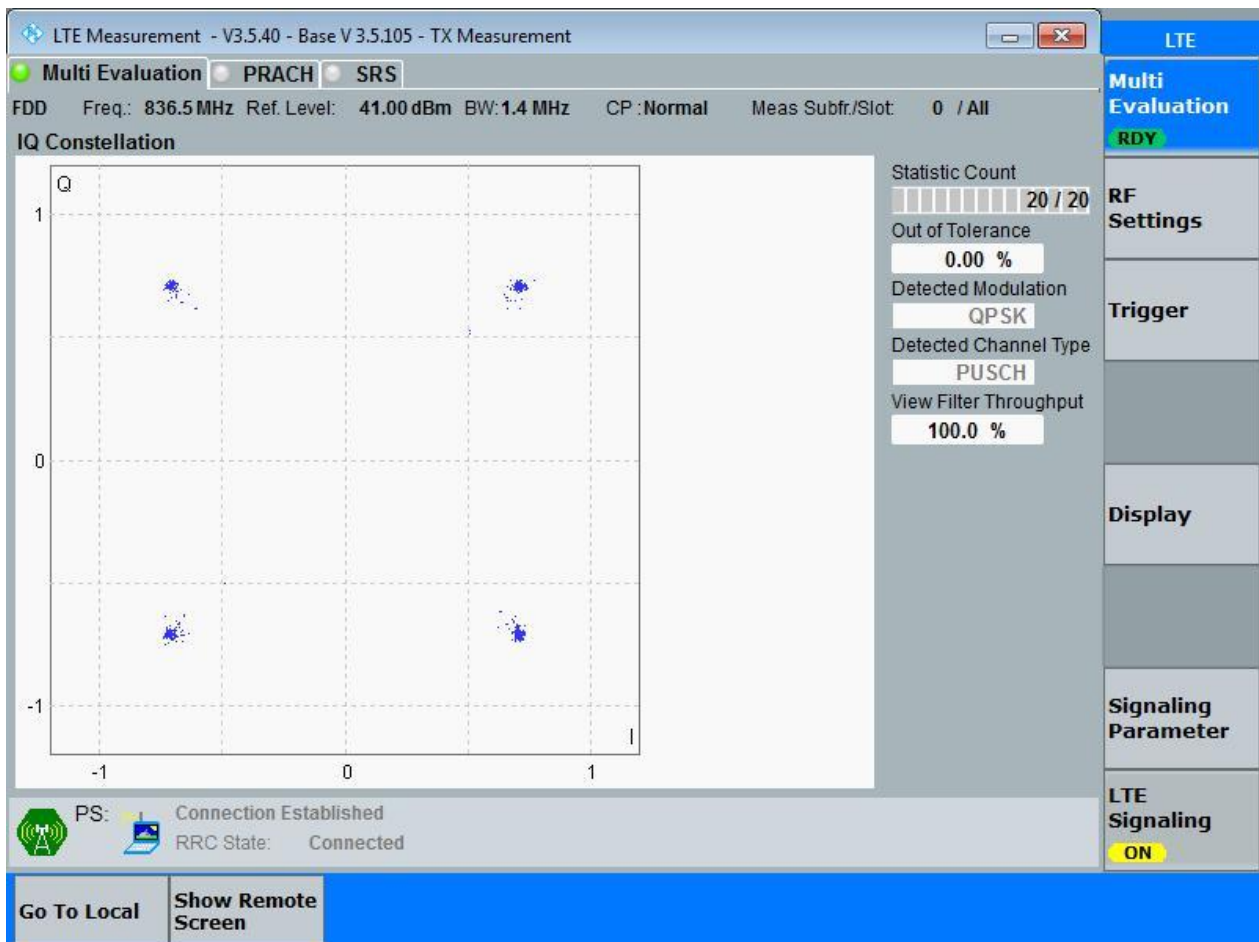
3.1.1 Test Band = BAND5

3.2.1.1 Test Mode = LTE/TM1

3.2.1.1.1 Test Bandwidth = 1.4

3.2.1.1.1.1 Test Channel = MCH

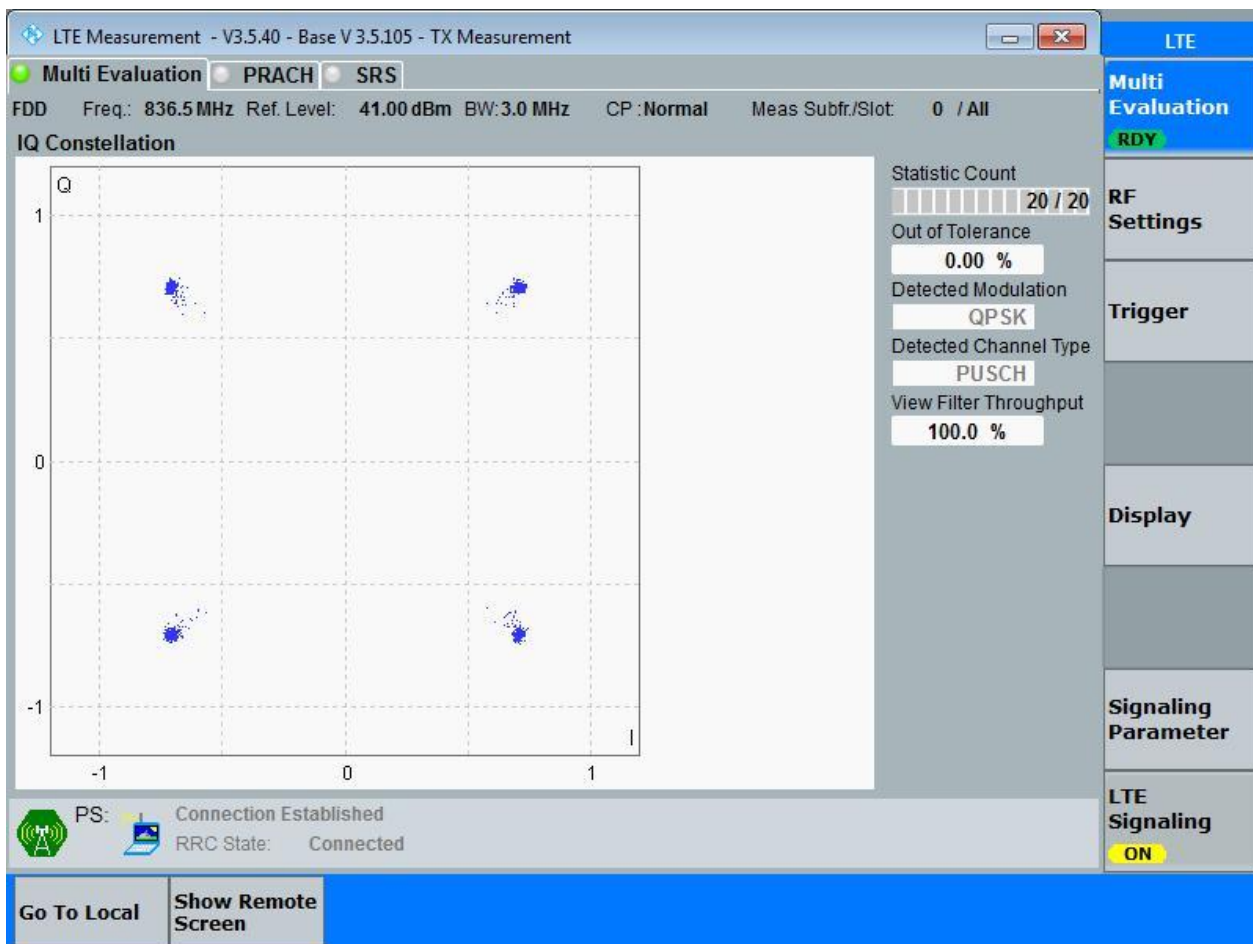
3.2.1.1.1.1.1 Test RB = RB6#0



3.2.1.1.2 Test Bandwidth = 3

3.2.1.1.2.1 Test Channel = MCH

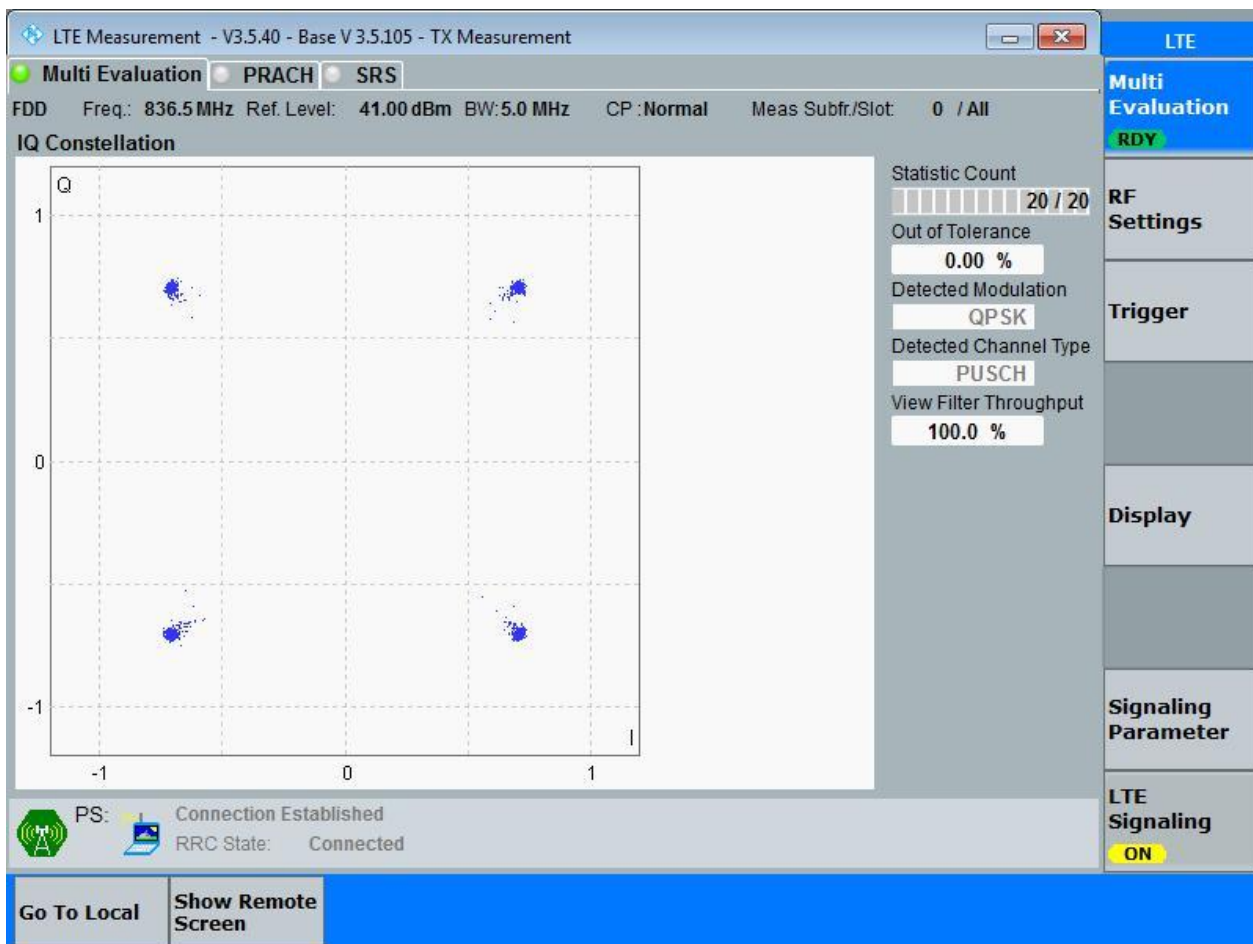
3.2.1.1.2.1.1 Test RB = RB15#0



3.2.1.1.3 Test Bandwidth = 5

3.2.1.1.3.1 Test Channel = MCH

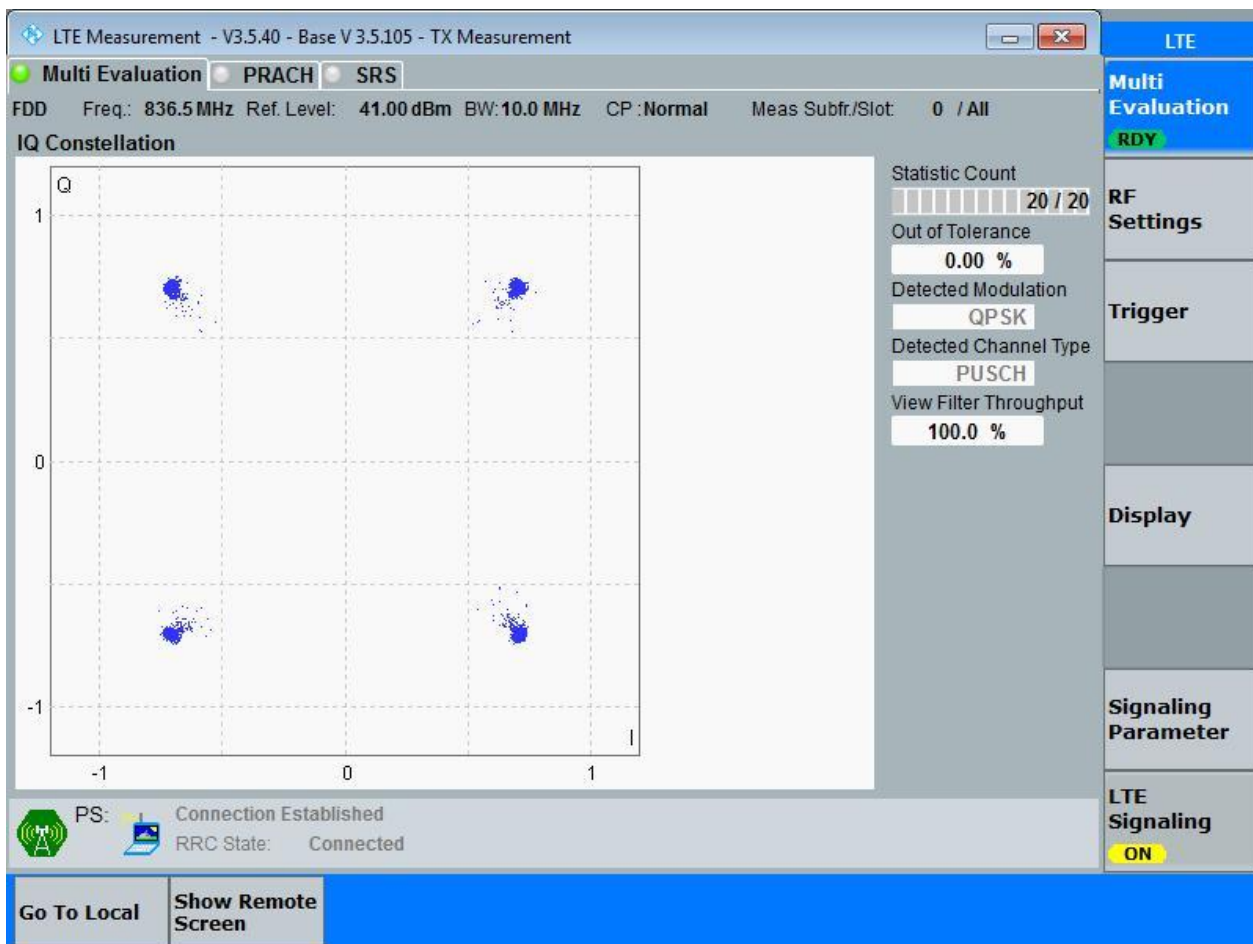
3.2.1.1.3.1.1 Test RB = RB25#0



3.2.1.1.4 Test Bandwidth = 10

3.2.1.1.4.1 Test Channel = MCH

3.2.1.1.4.1.1 Test RB = RB50#0

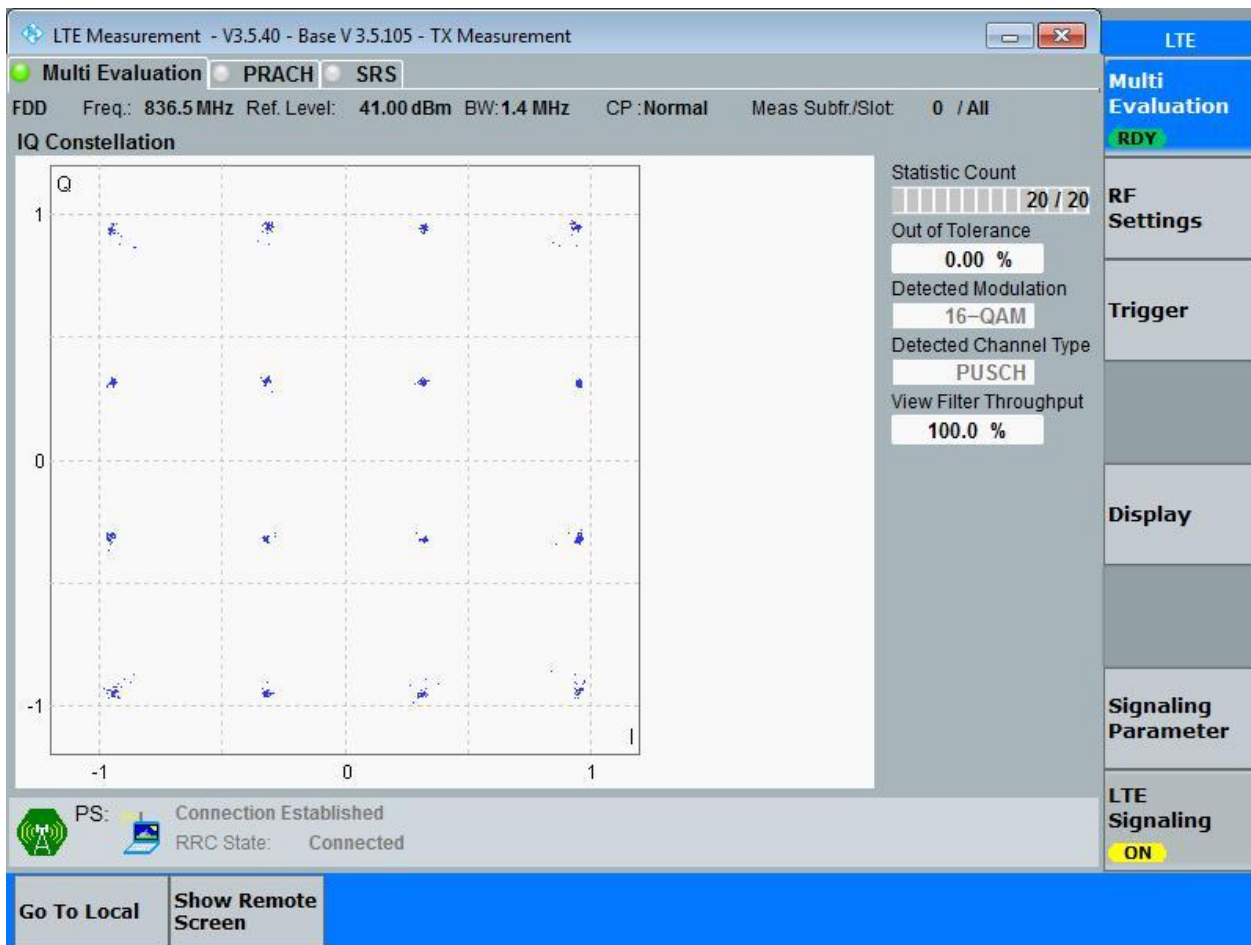


3.2.1.2 Test Mode = LTE/TM2

3.2.1.2.1 Test Bandwidth = 1.4

3.2.1.2.1.1 Test Channel = MCH

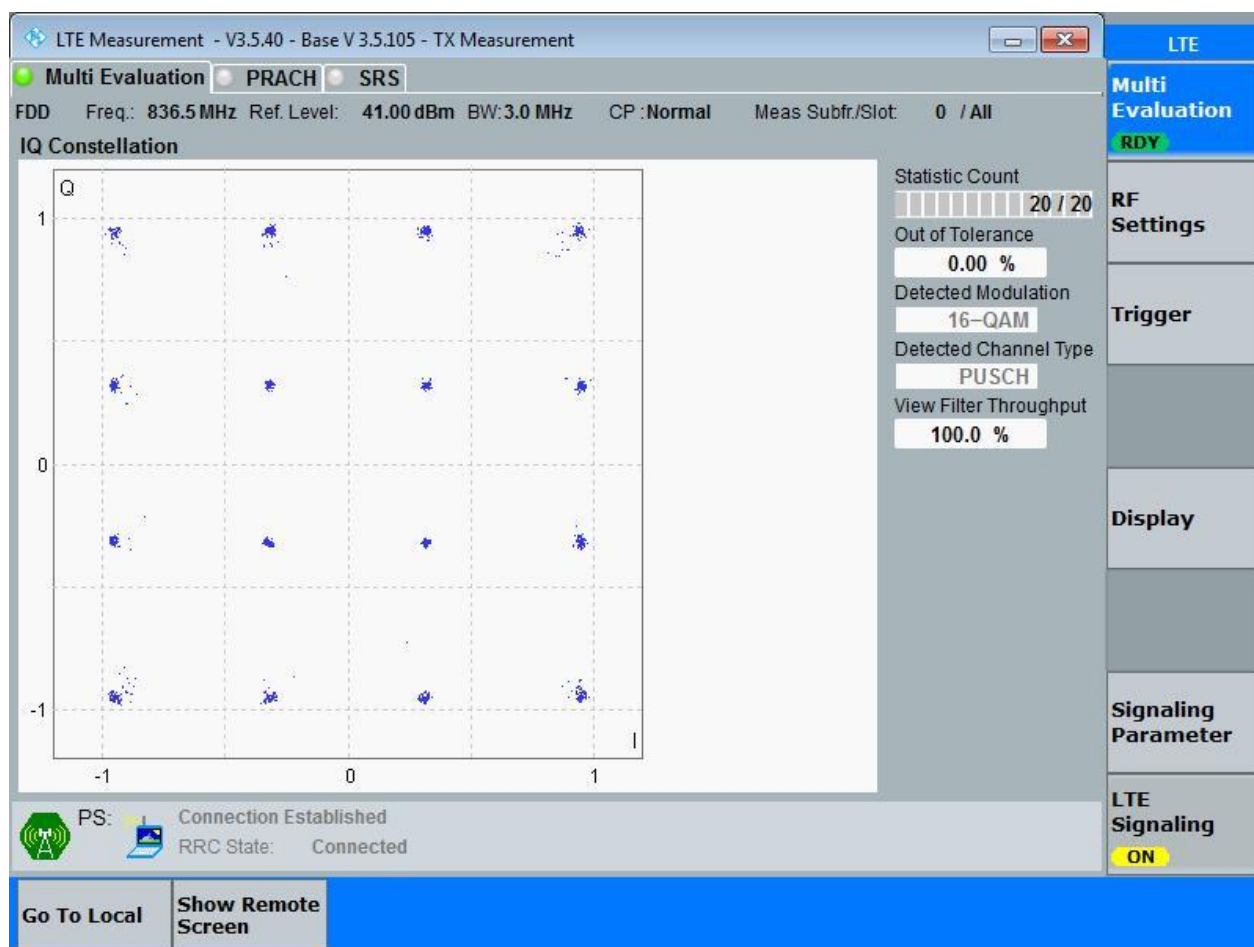
3.2.1.2.1.1.1 Test RB = RB6#0



3.2.1.2.2 Test Bandwidth = 3

3.2.1.2.2.1 Test Channel = MCH

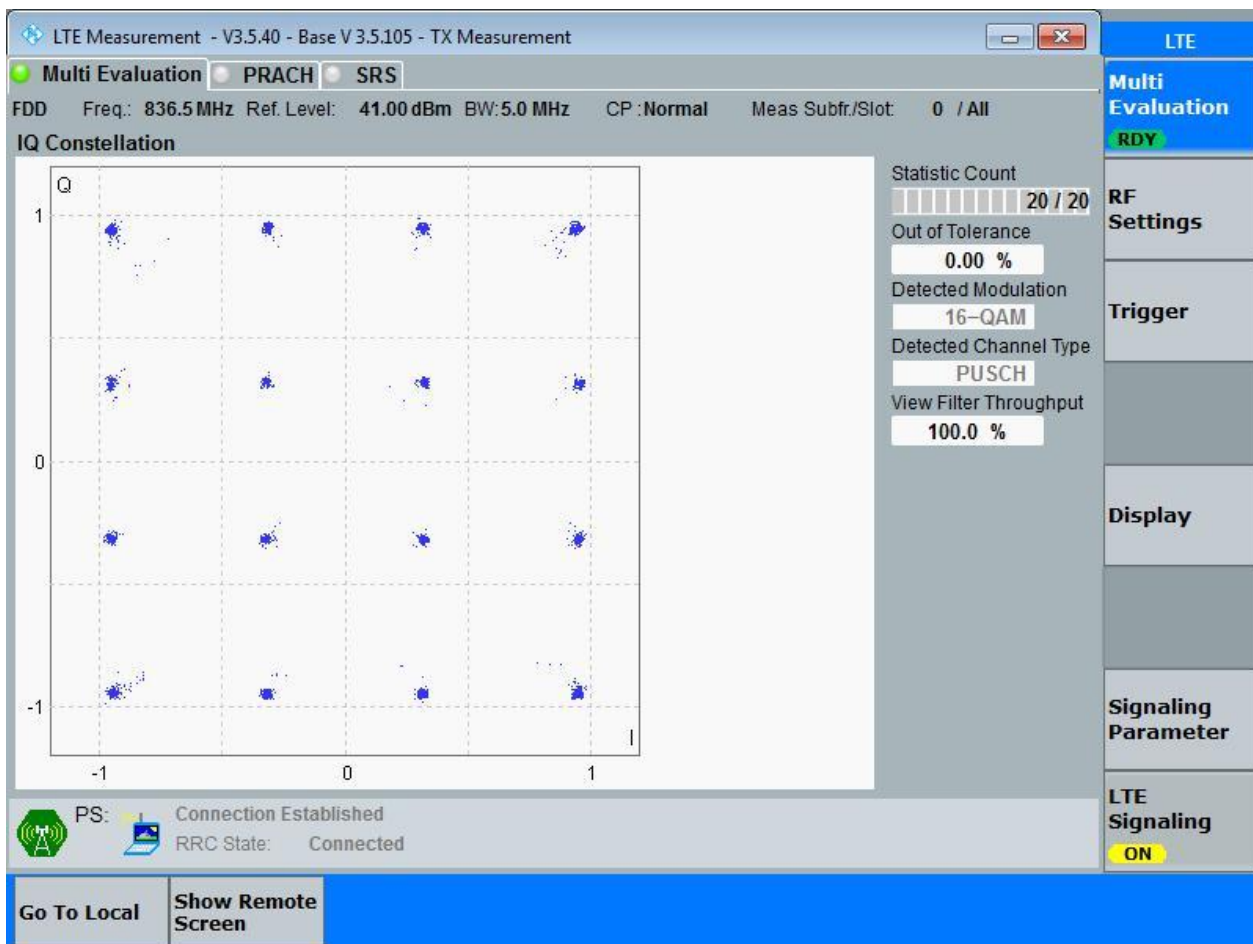
3.2.1.2.2.1.1 Test RB = RB15#0



3.2.1.2.3 Test Bandwidth = 5

3.2.1.2.3.1 Test Channel = MCH

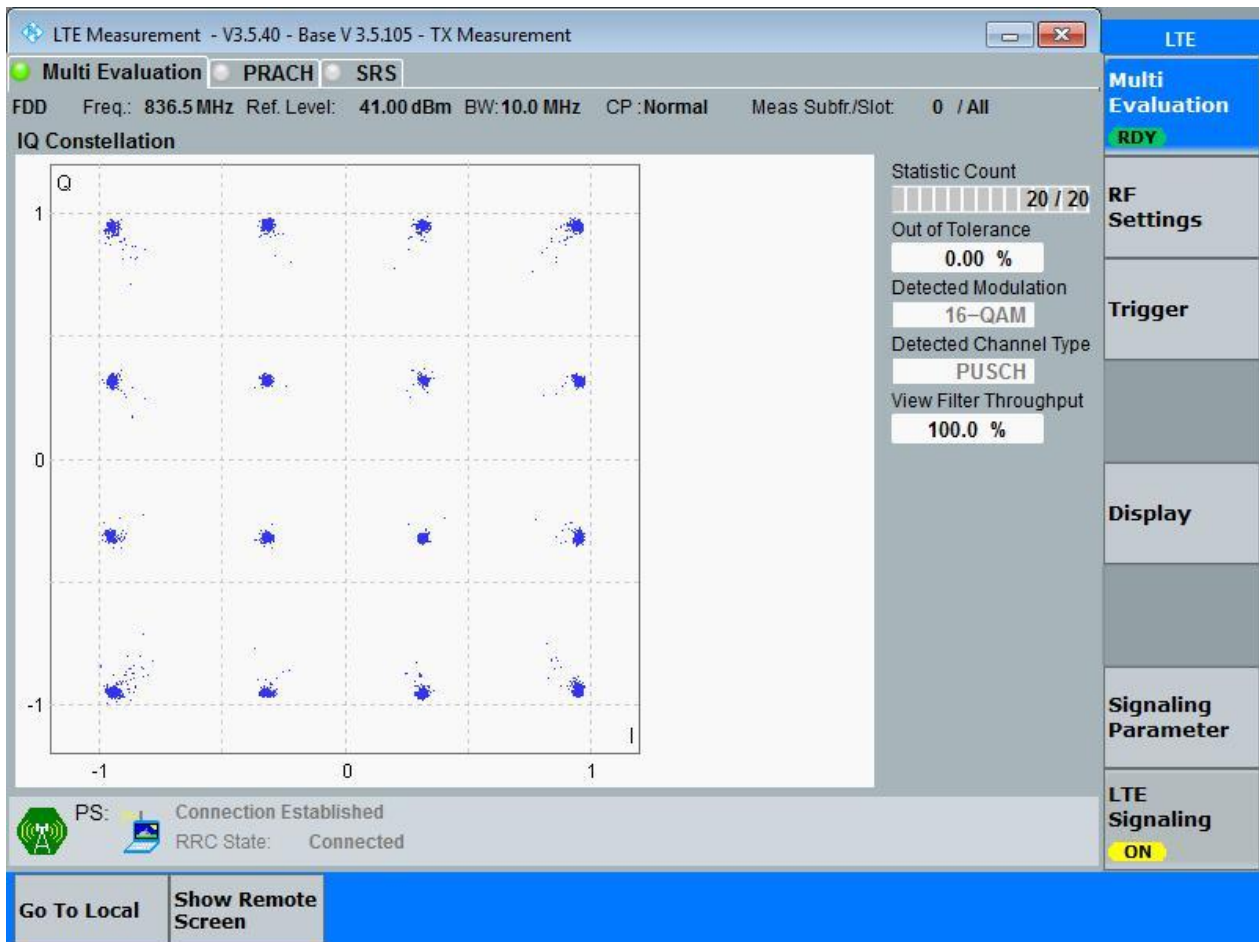
3.2.1.2.3.1.1 Test RB = RB25#0



3.2.1.2.4 Test Bandwidth = 10

3.2.1.2.4.1 Test Channel = MCH

3.2.1.2.4.1.1 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	1.30	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.08	1.23	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.95	Pass
		5	LCH	RB25#0	4.49	4.84	Pass
			MCH	RB25#0	4.49	4.83	Pass
			HCH	RB25#0	4.49	4.88	Pass
		10	LCH	RB50#0	8.96	9.59	Pass
			MCH	RB50#0	8.98	9.63	Pass
			HCH	RB50#0	8.96	9.61	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.27	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.26	Pass
		3	LCH	RB15#0	2.70	2.92	Pass
			MCH	RB15#0	2.70	2.93	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	4.50	4.91	Pass
		10	LCH	RB50#0	8.96	9.58	Pass
			MCH	RB50#0	8.97	9.61	Pass
			HCH	RB50#0	8.97	9.54	Pass



Part II - Test Plots

4.1 For LTE

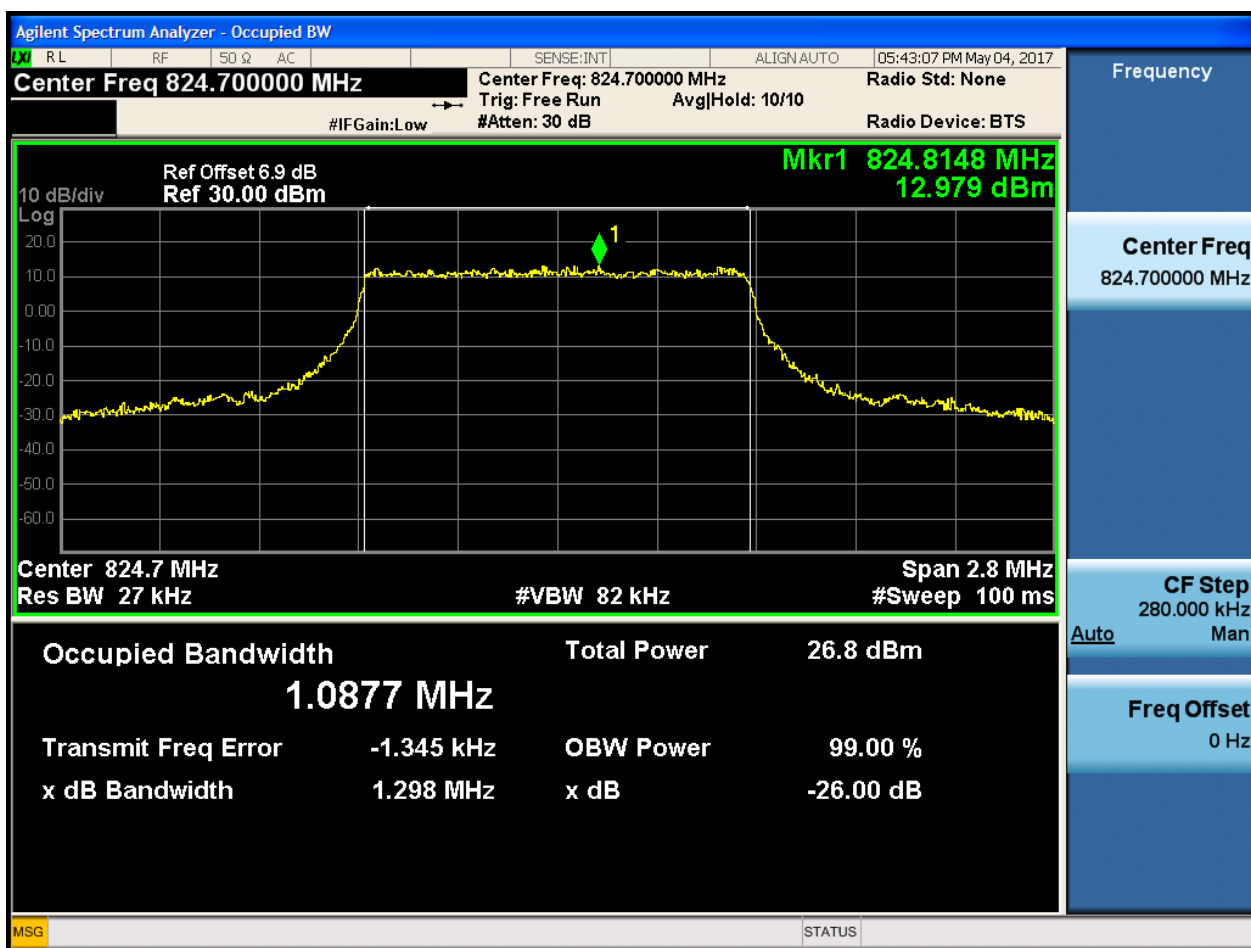
4.1.1 Test Band = BAND5

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

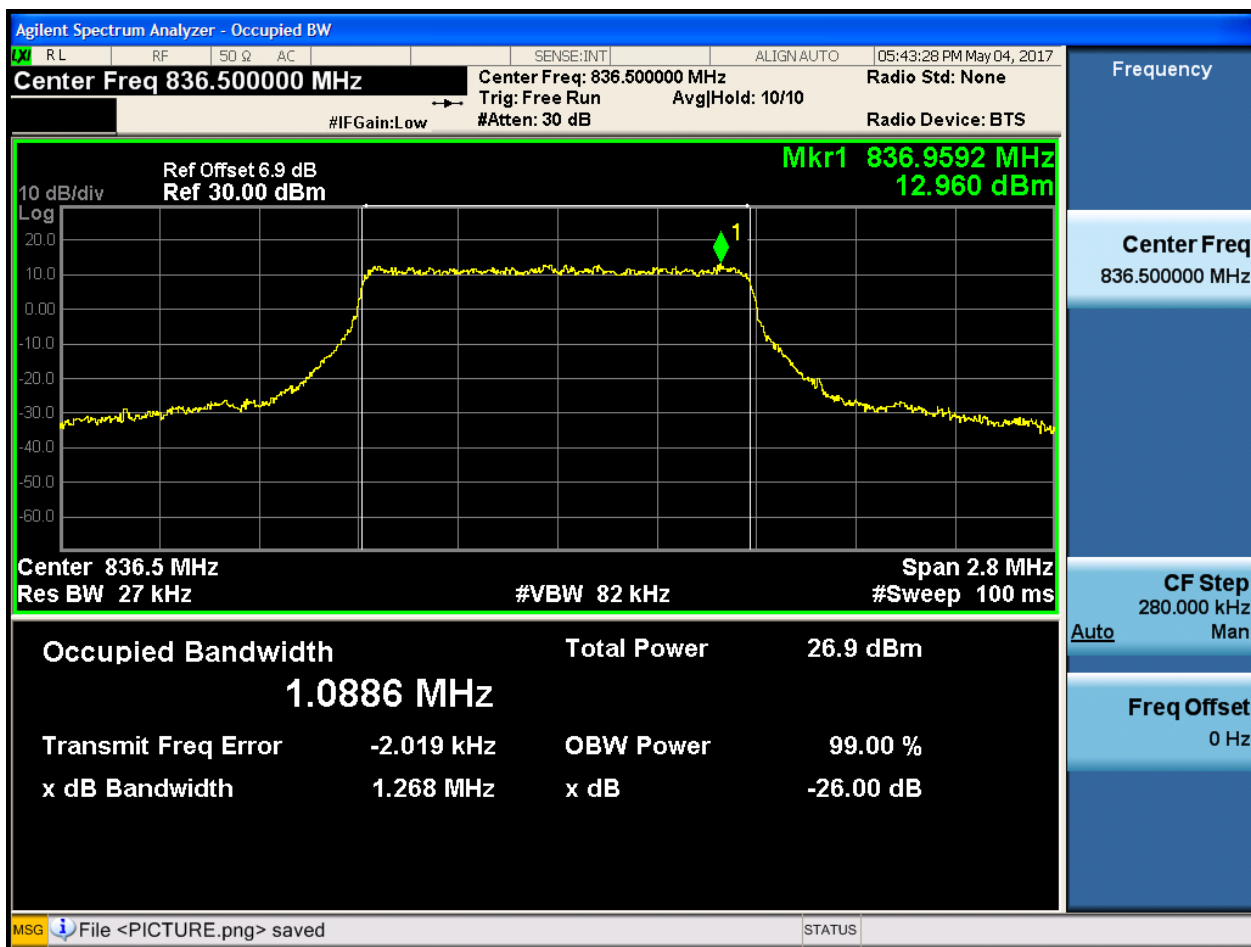
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

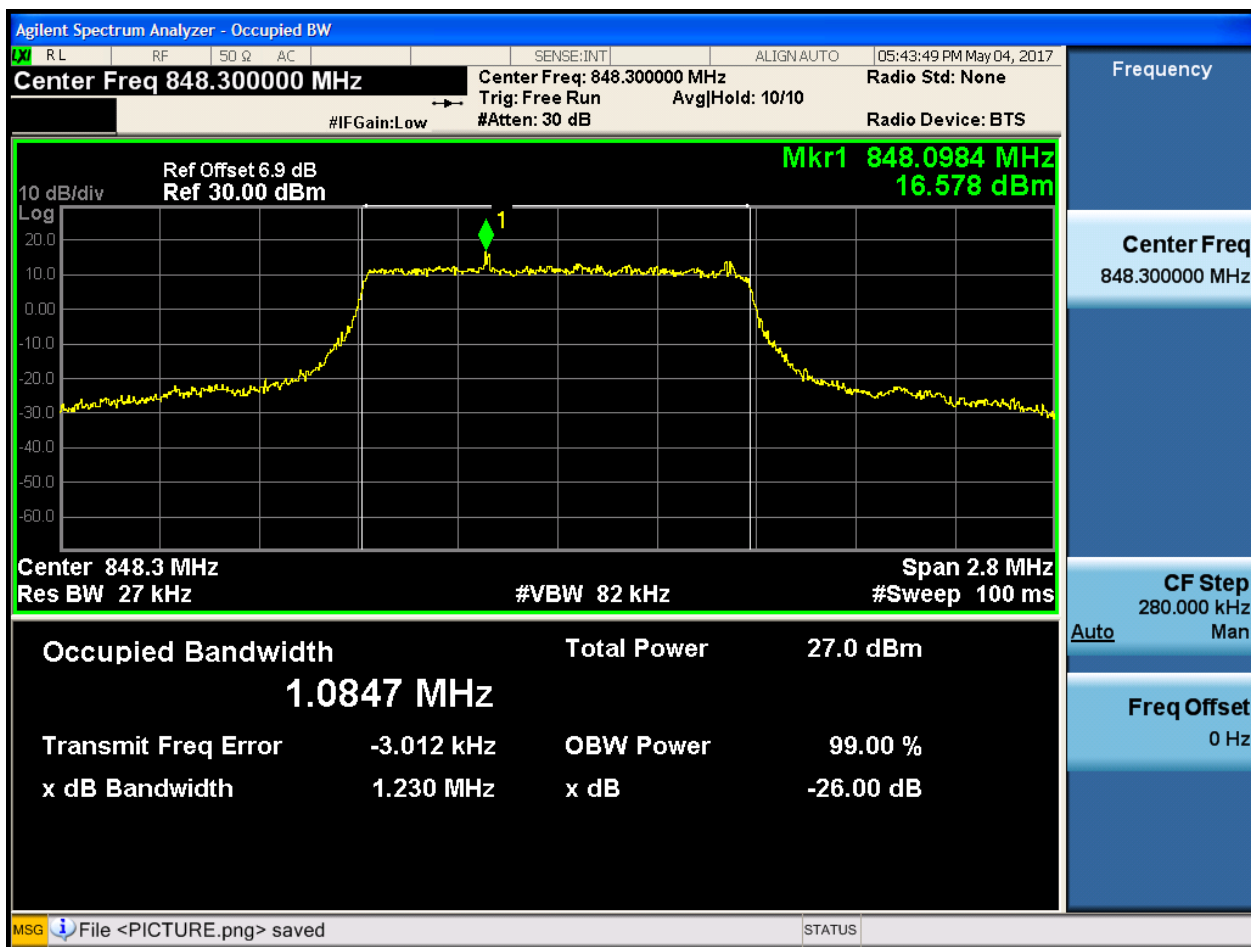
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

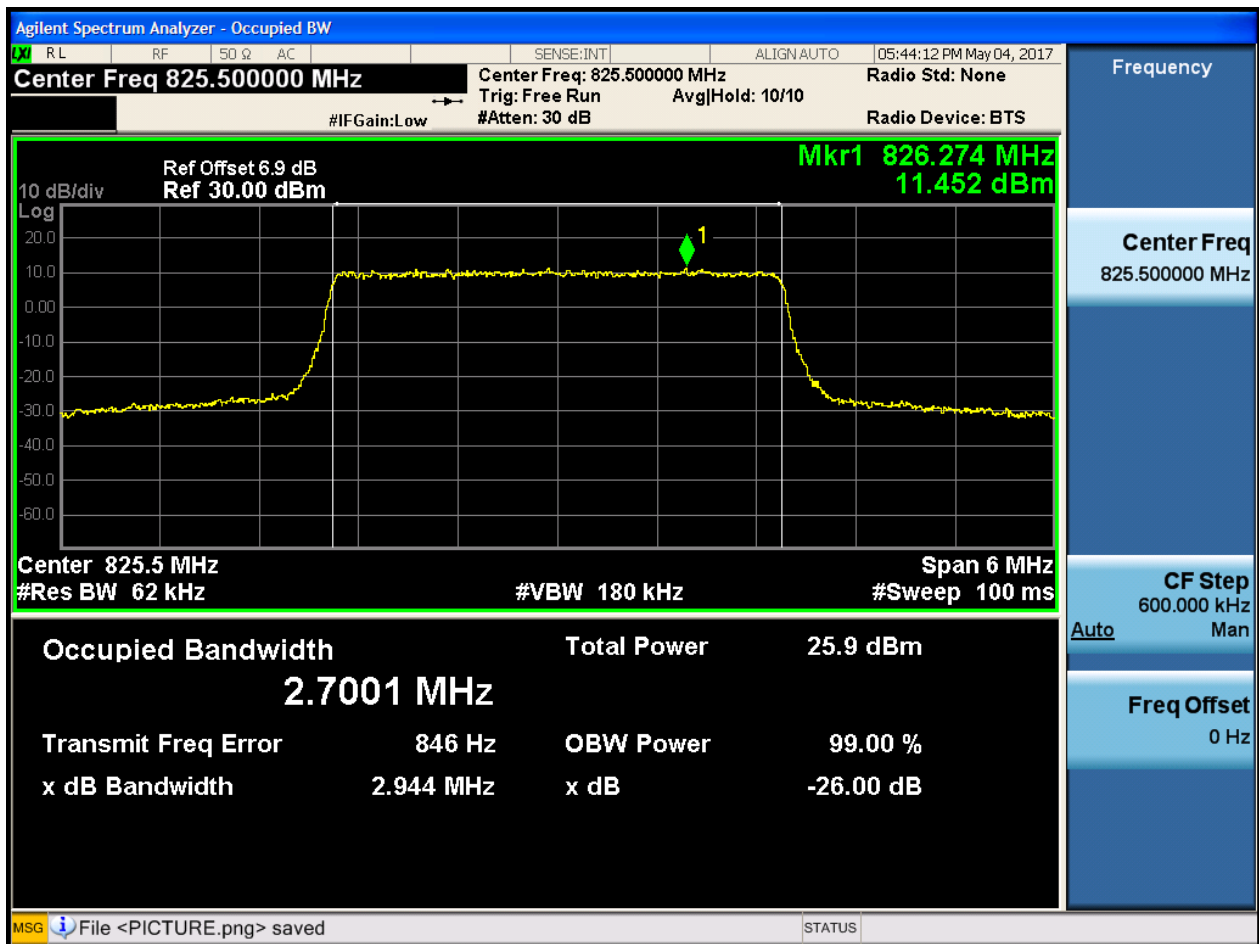




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

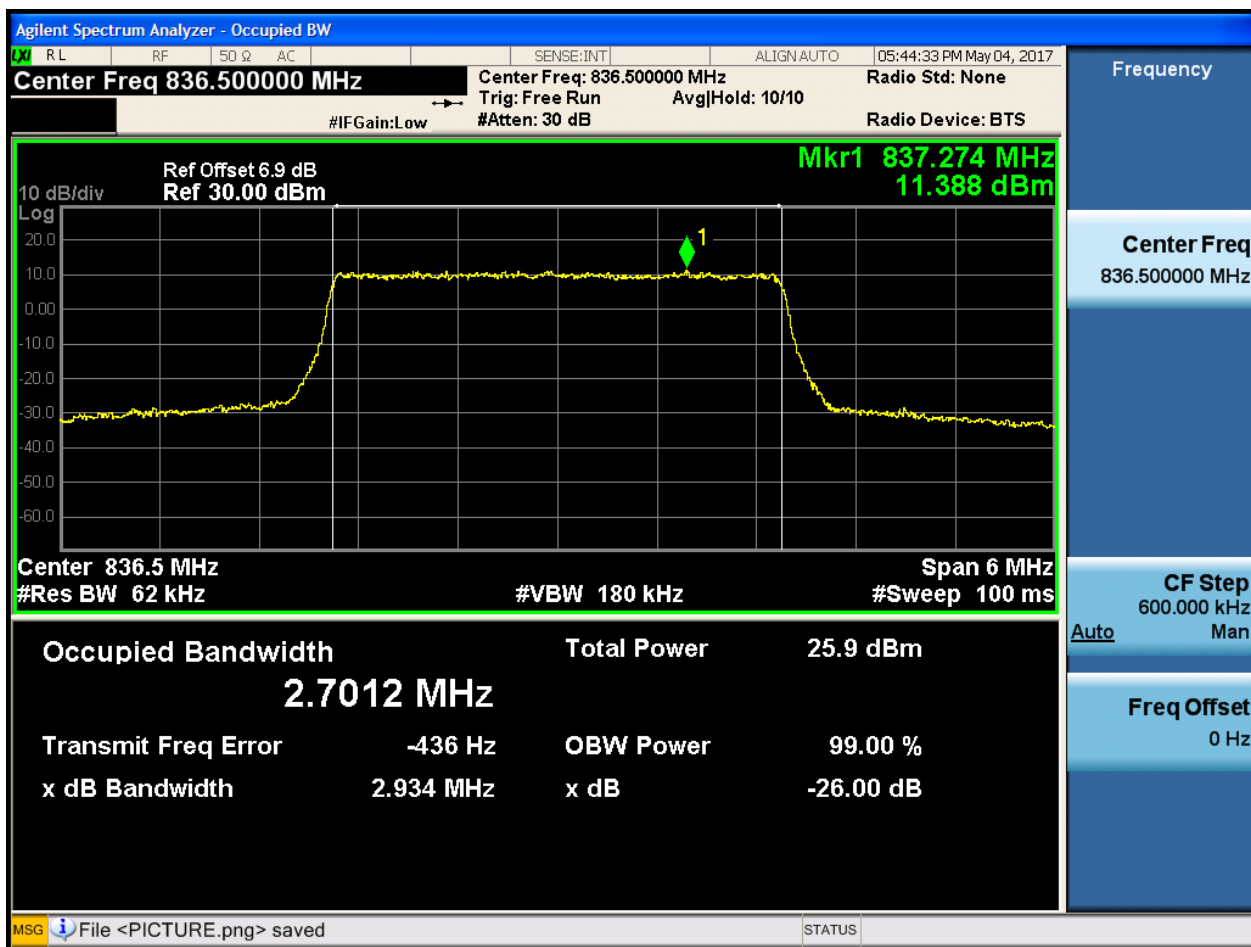
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

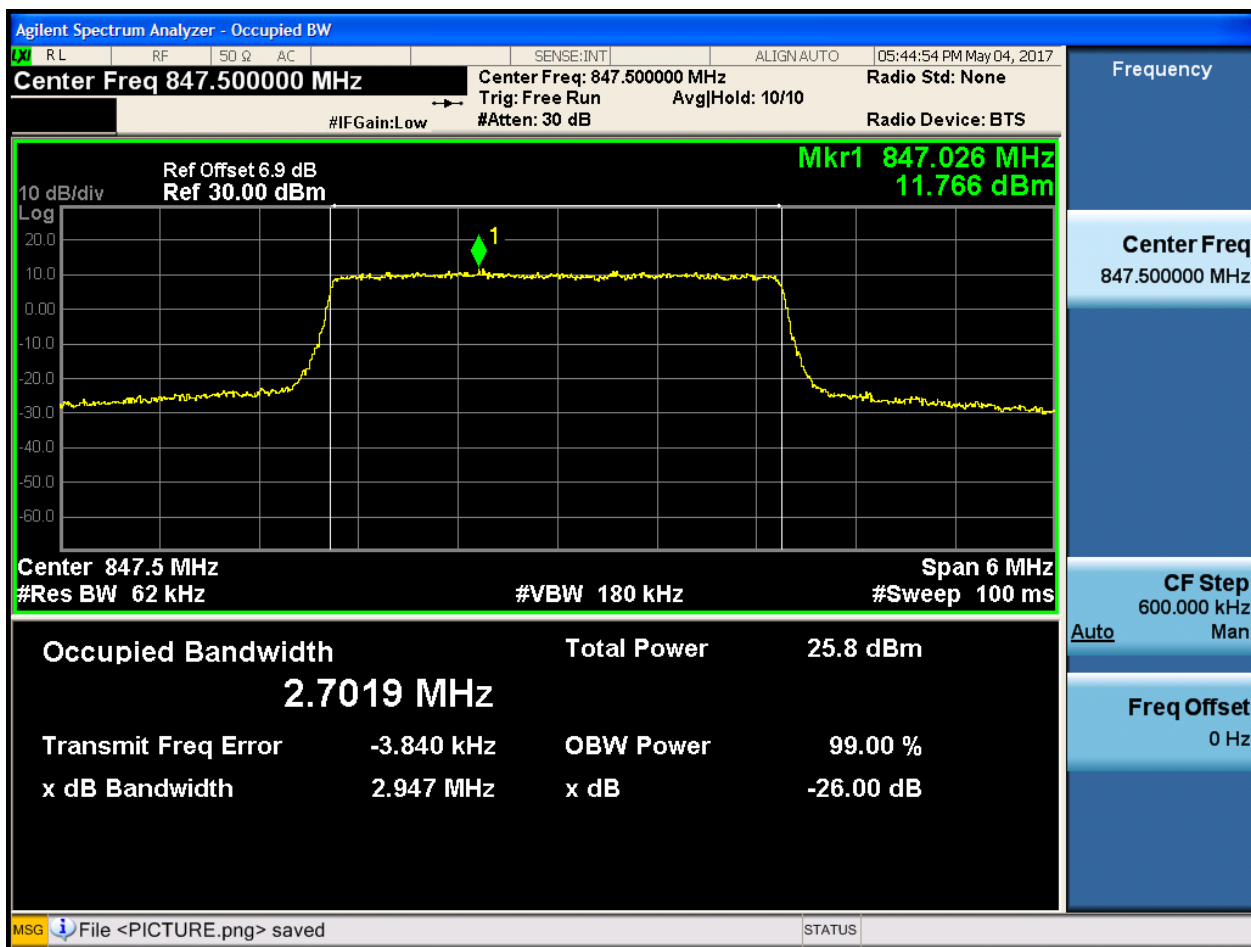
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

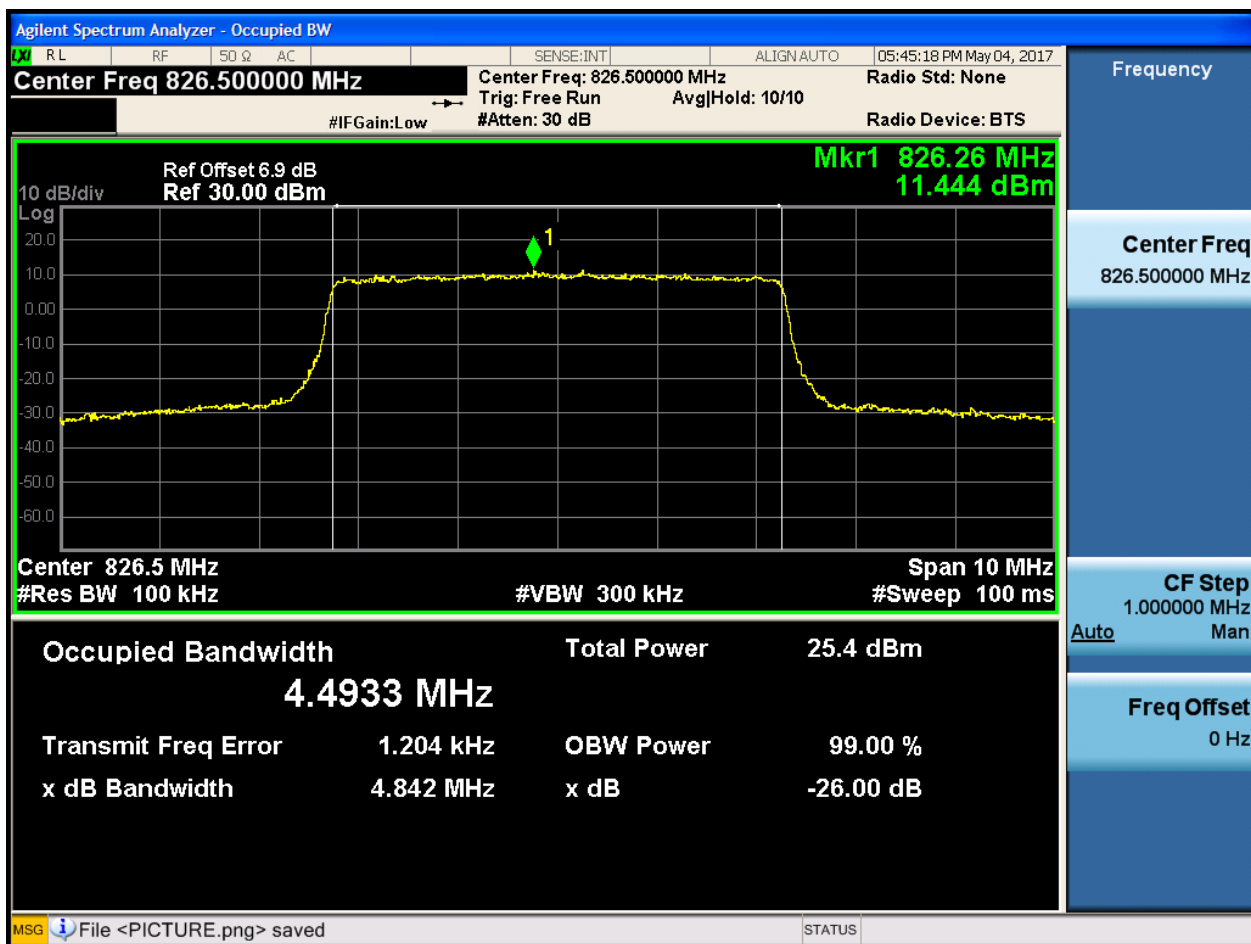




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

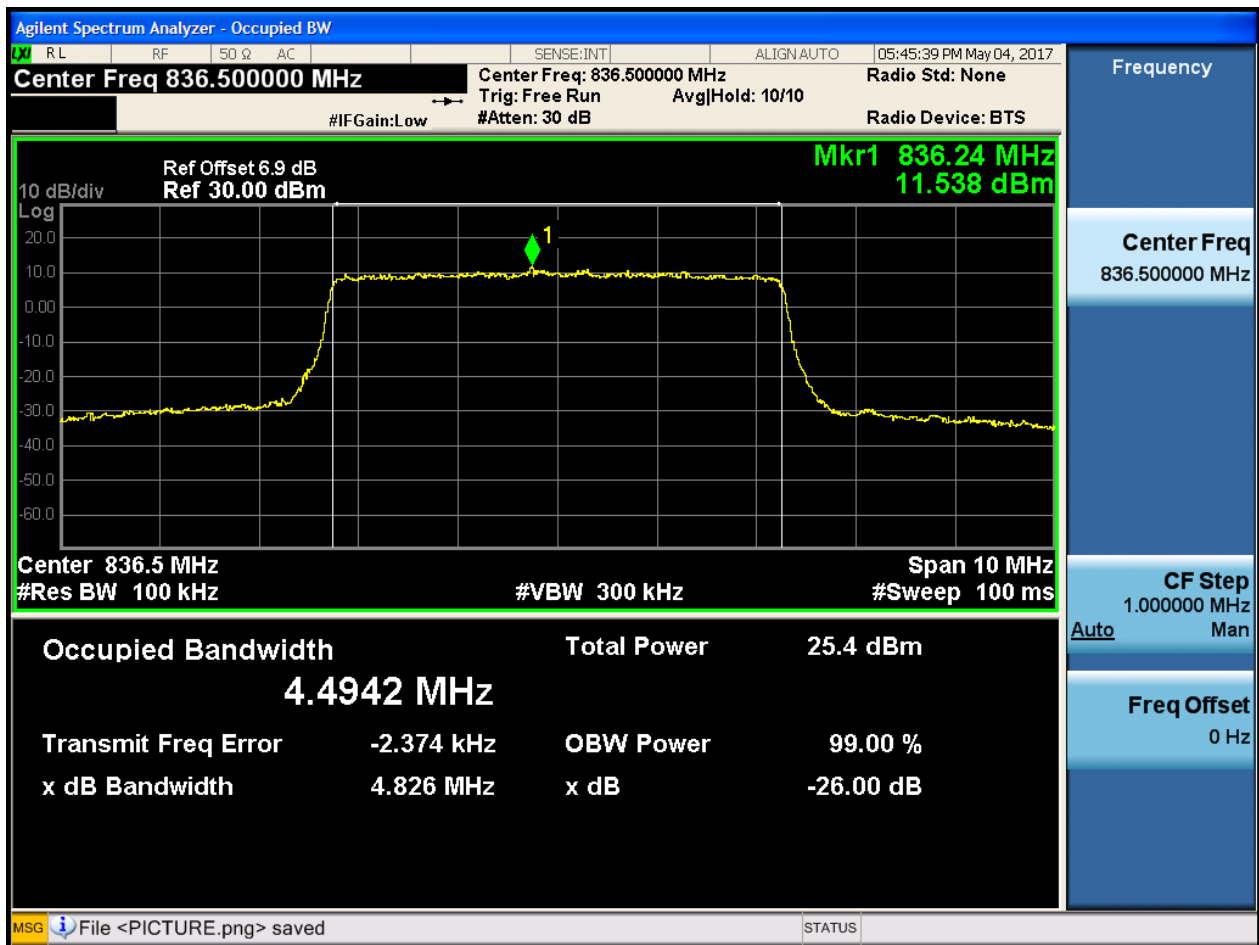
4.1.1.1.3.1.1 Test RB = RB25#0





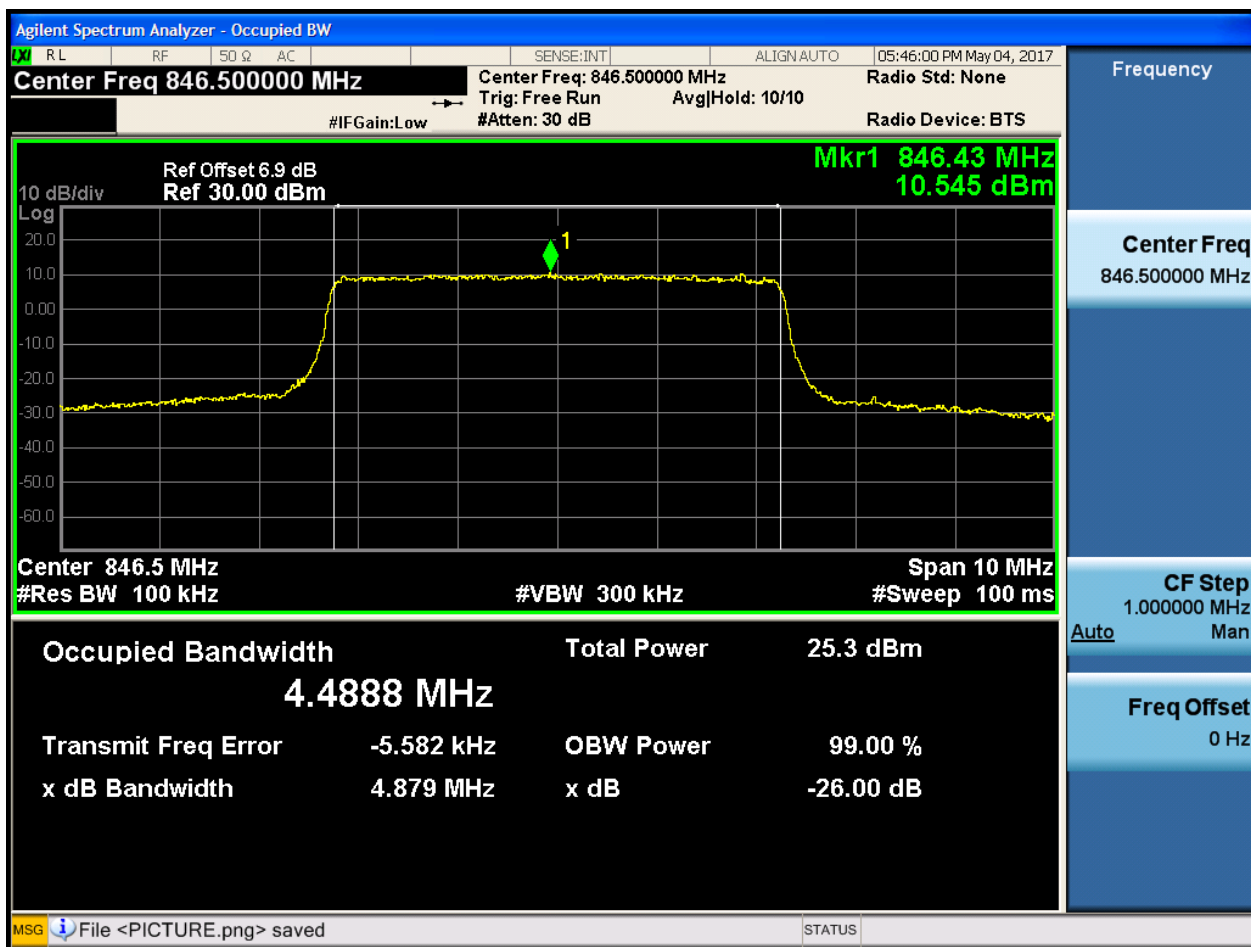
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

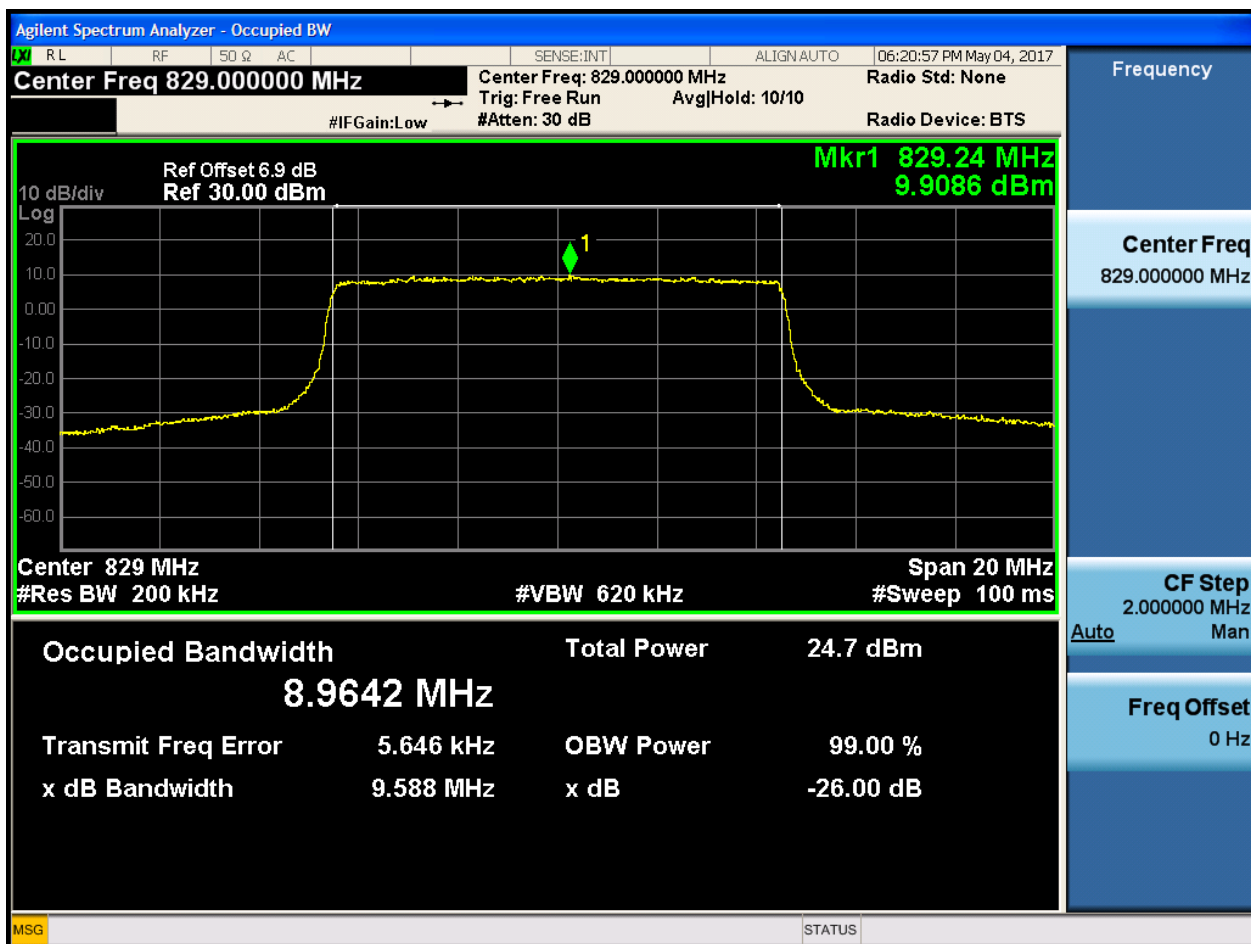


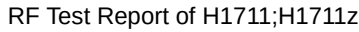


4.1.1.1.4 Test Bandwidth = 10

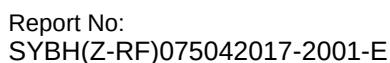
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0





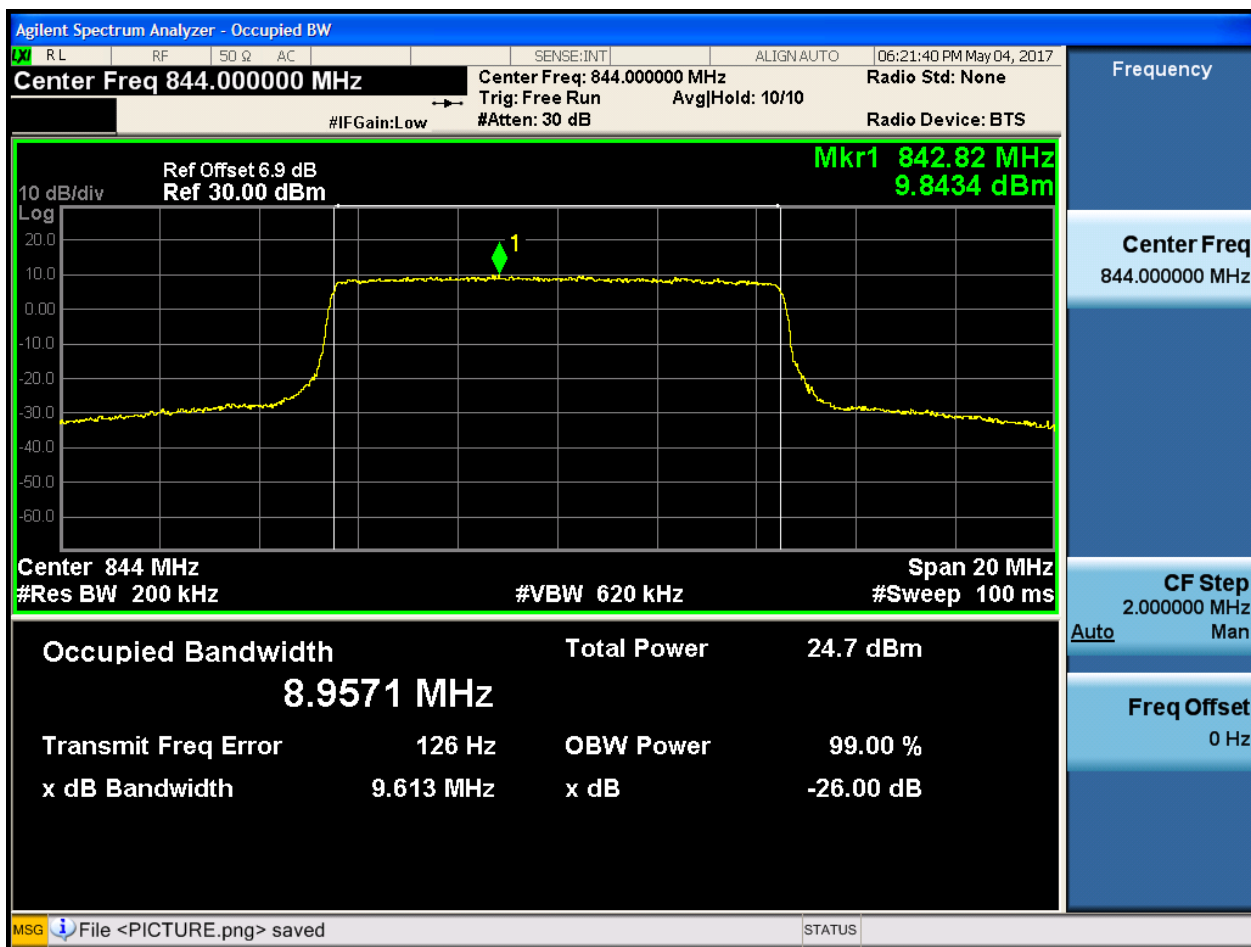
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0



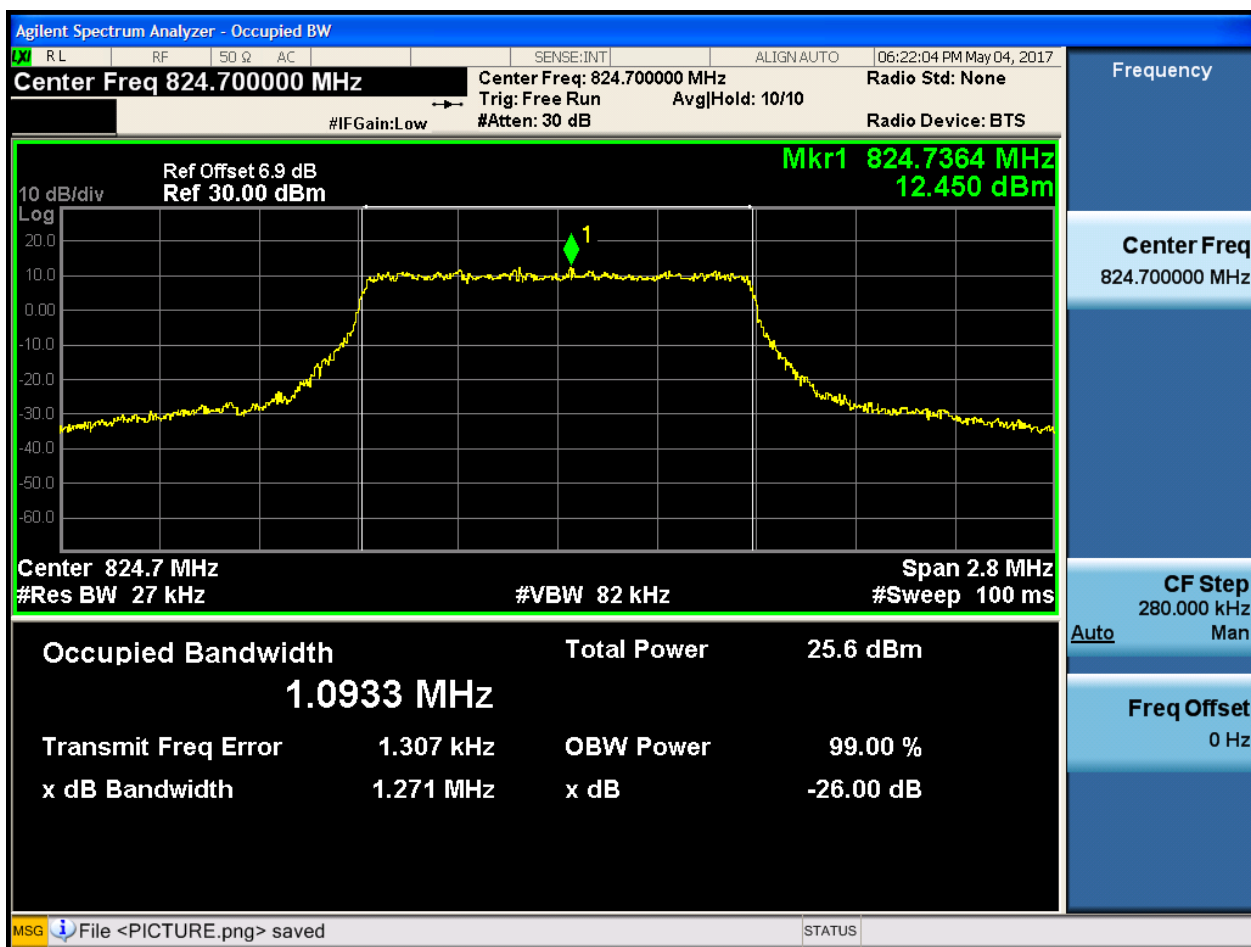


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

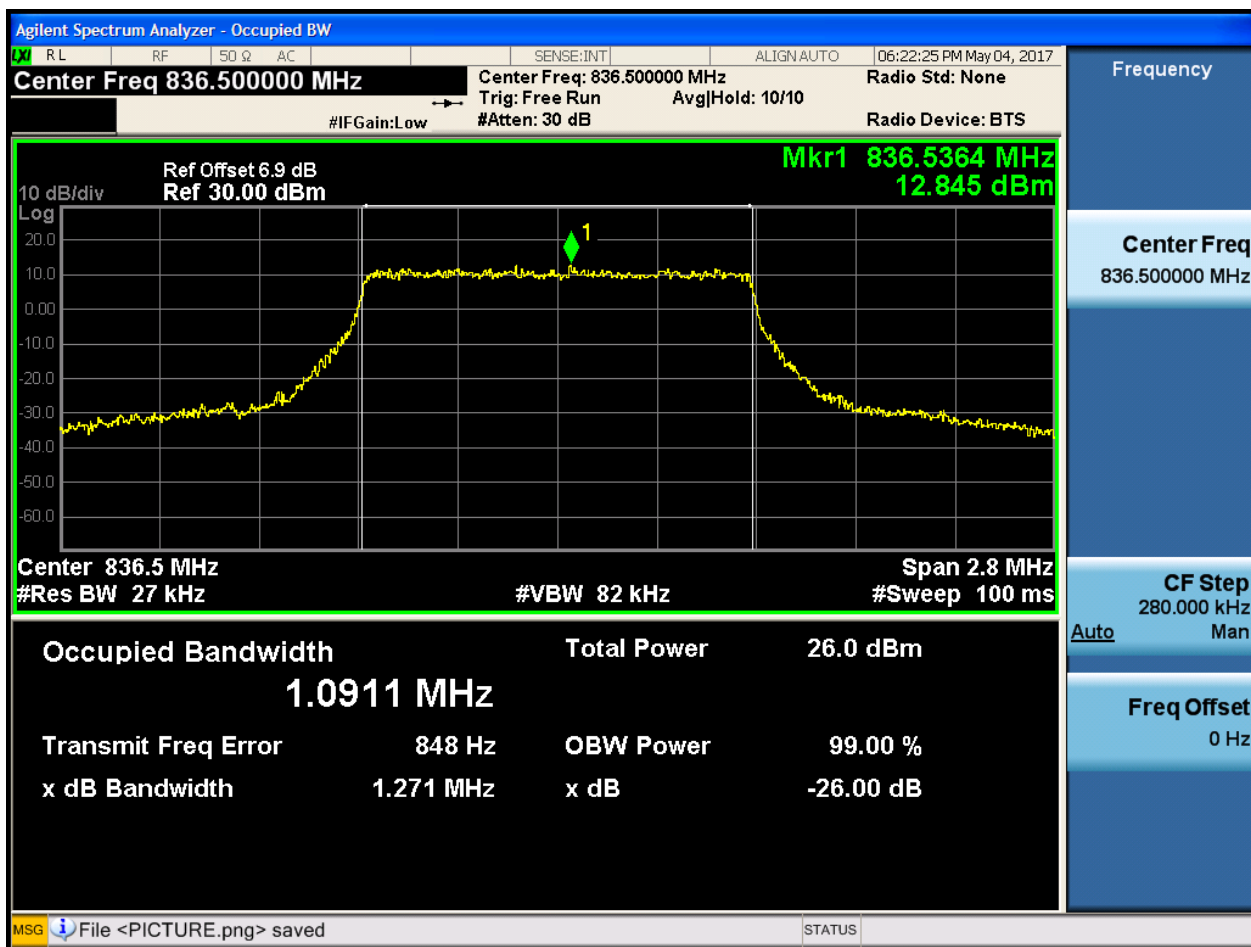
4.1.1.2.1.1.1 Test RB = RB6#0





1.1.1.2.1.2 Test Channel = MCH

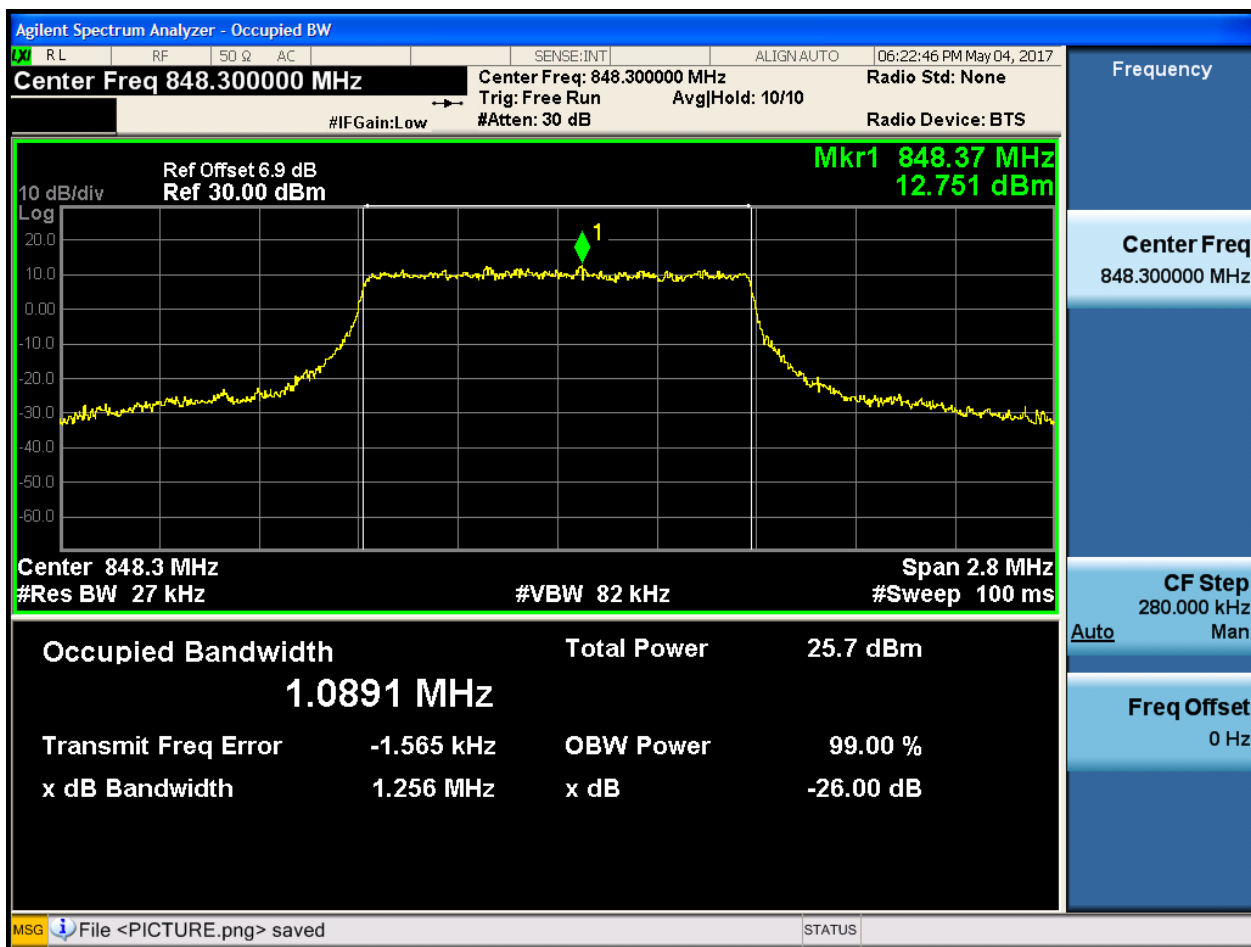
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

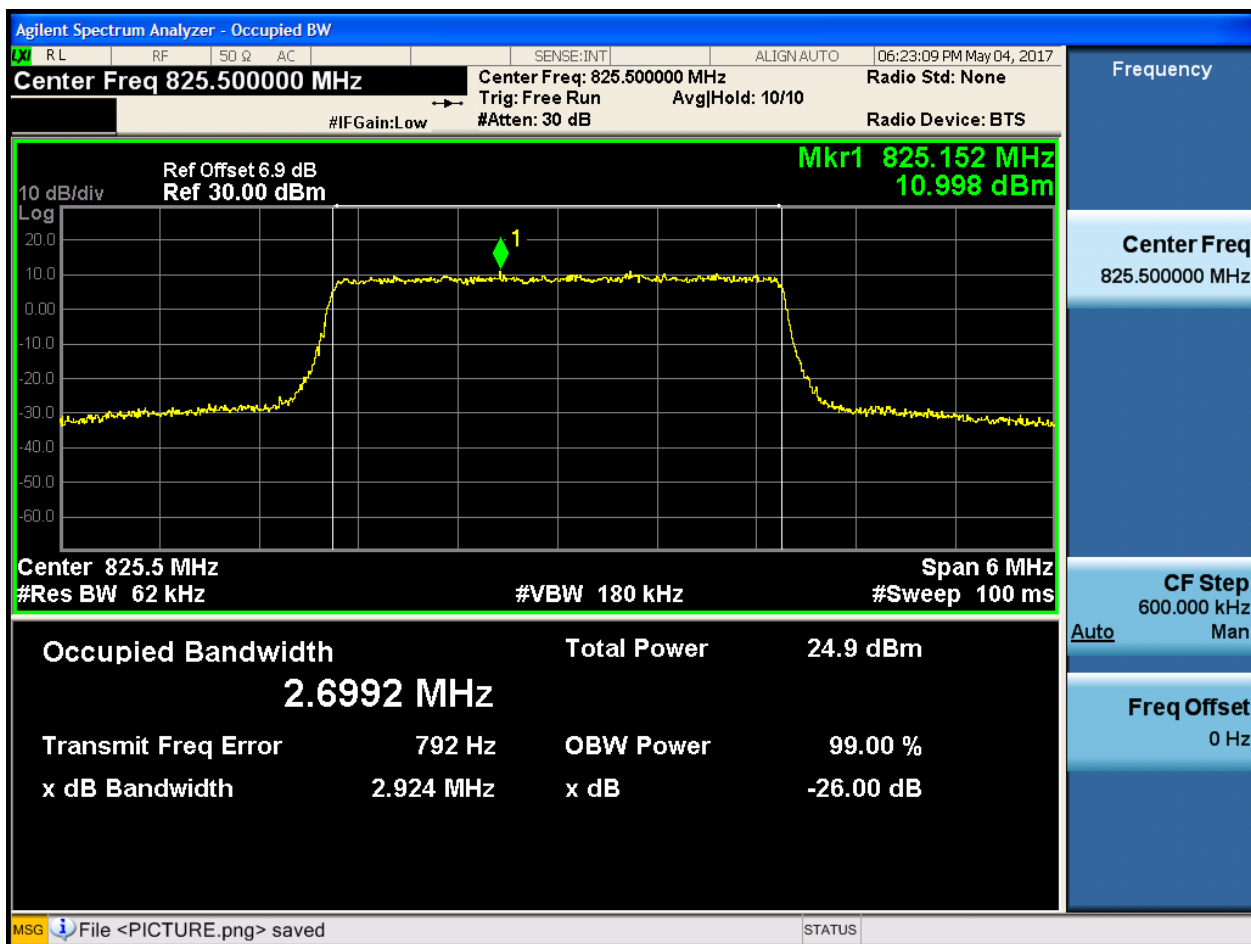




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

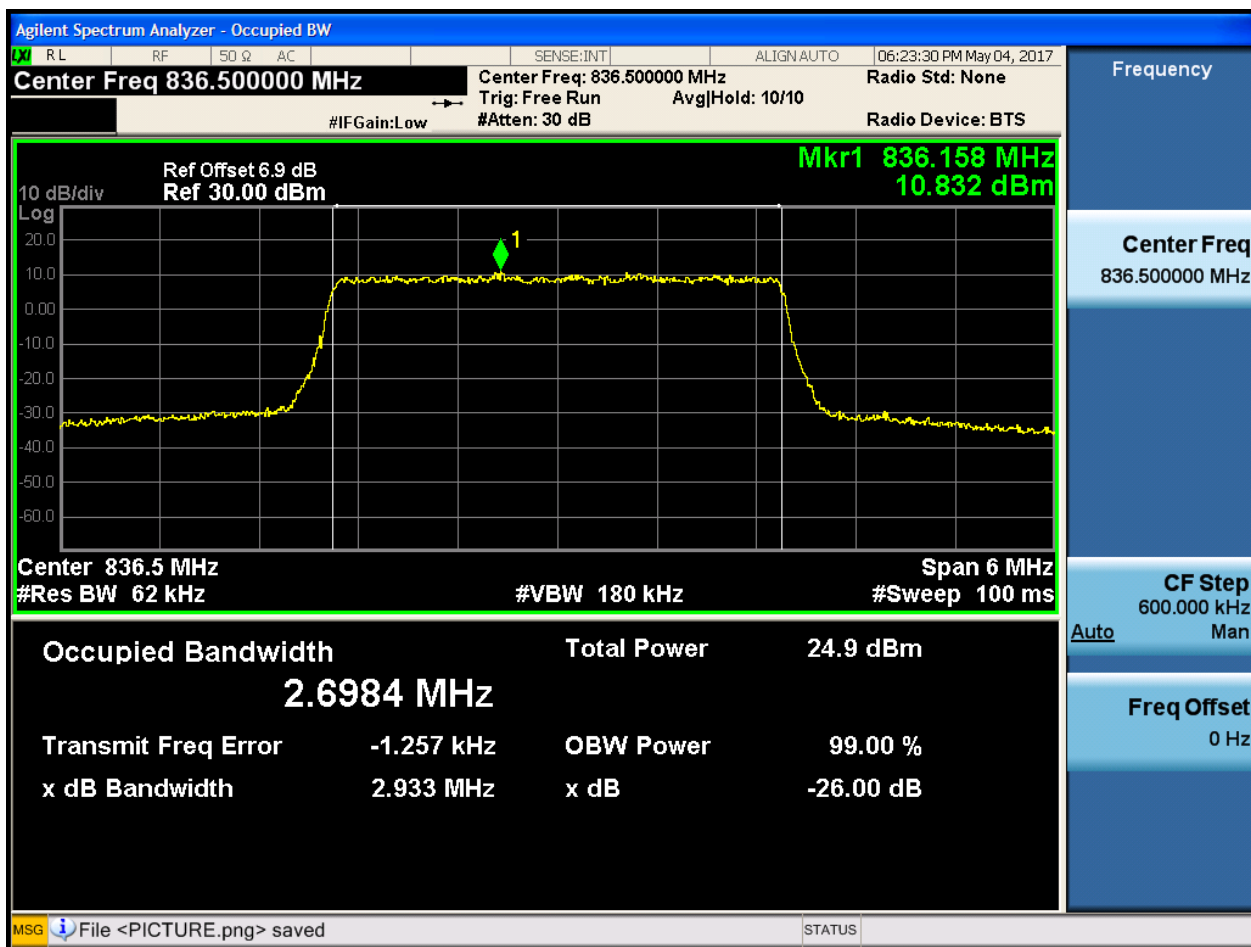
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

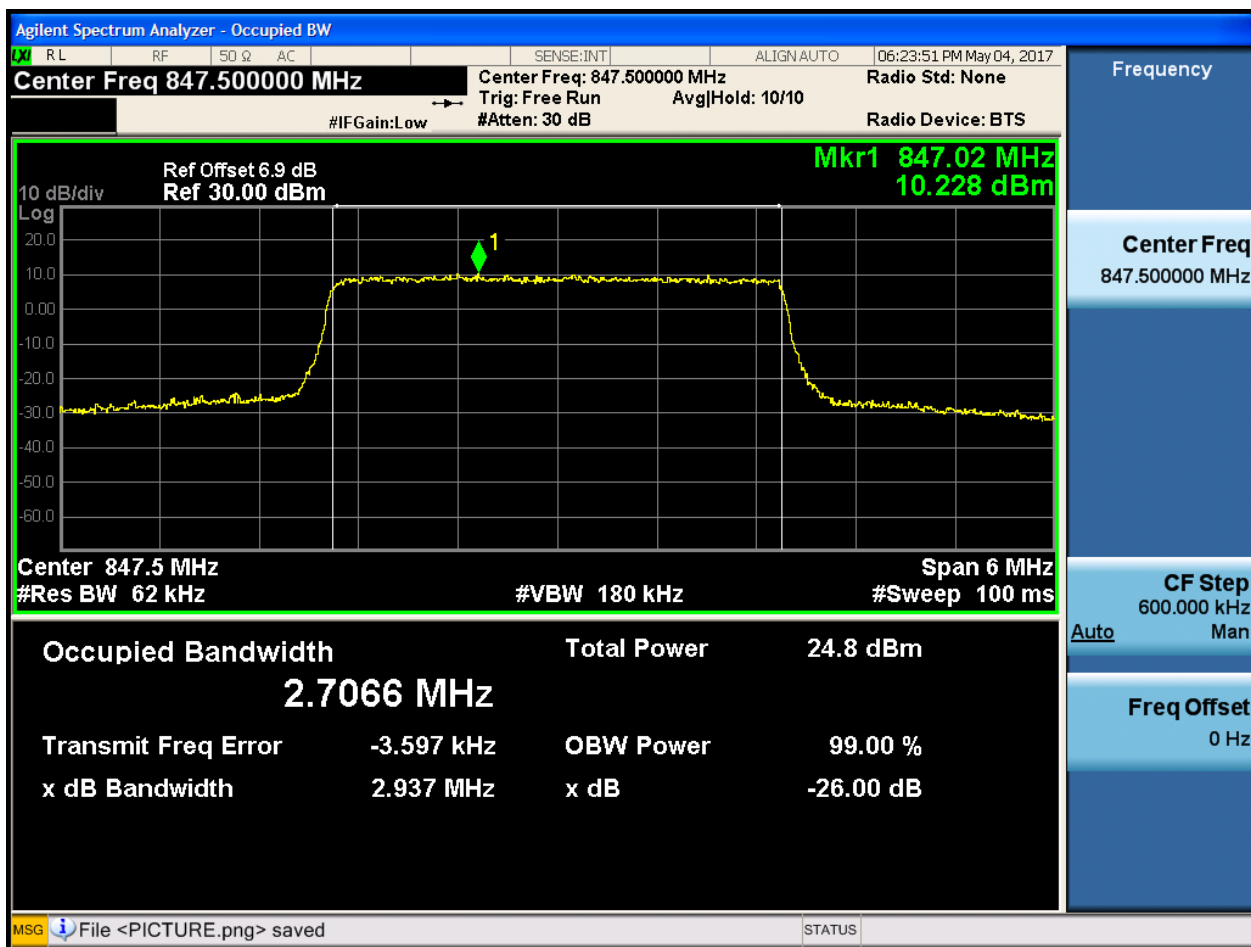
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

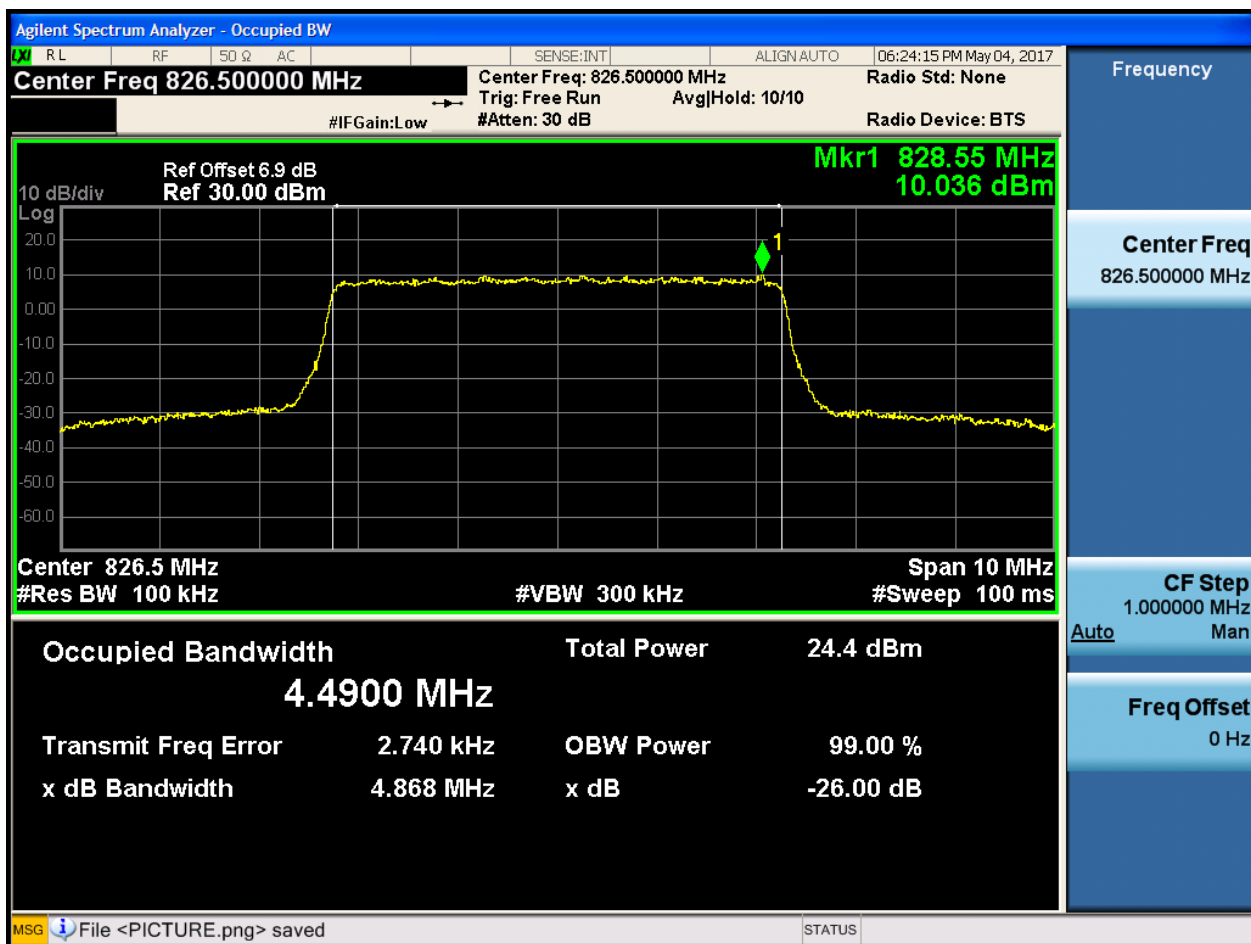




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

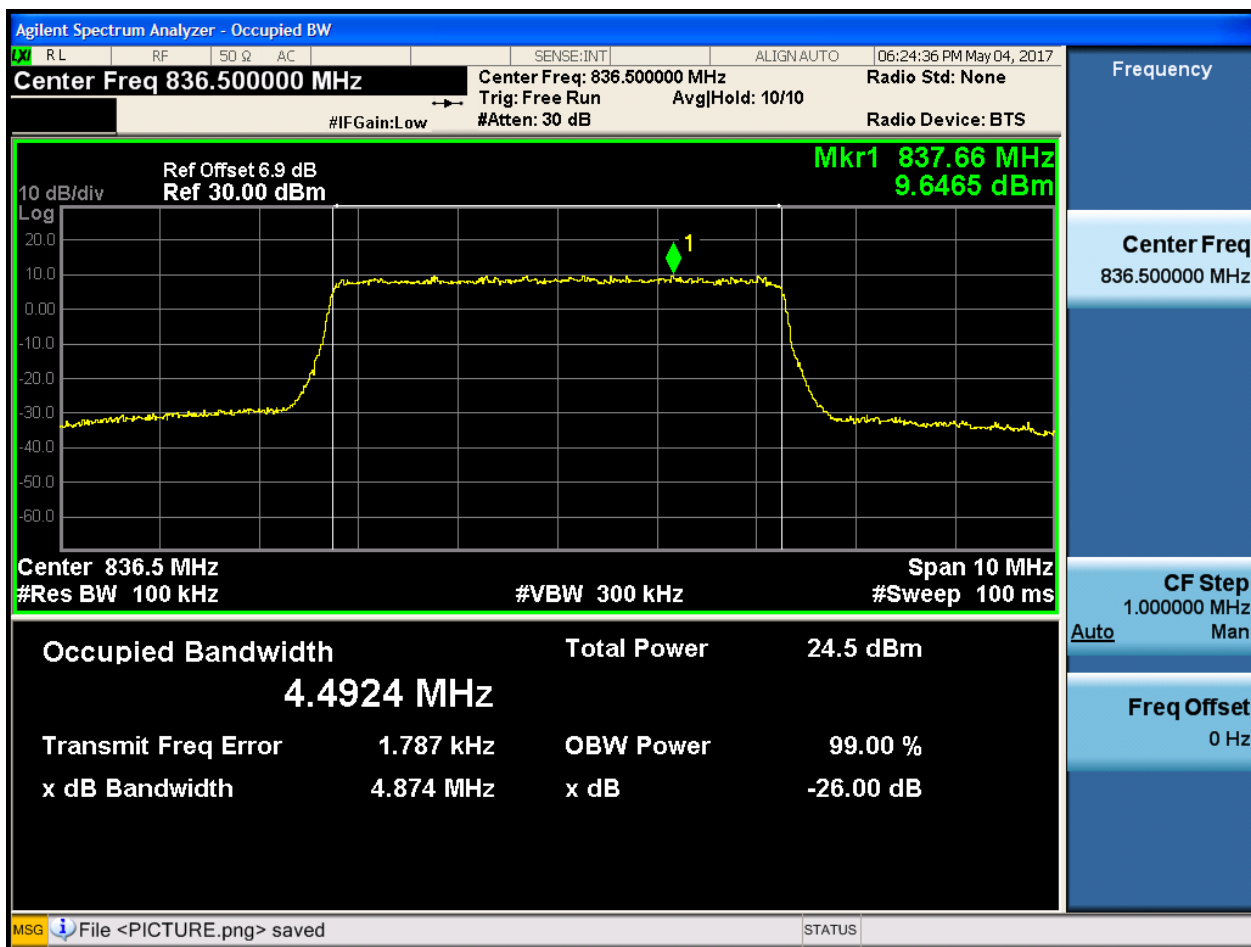
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

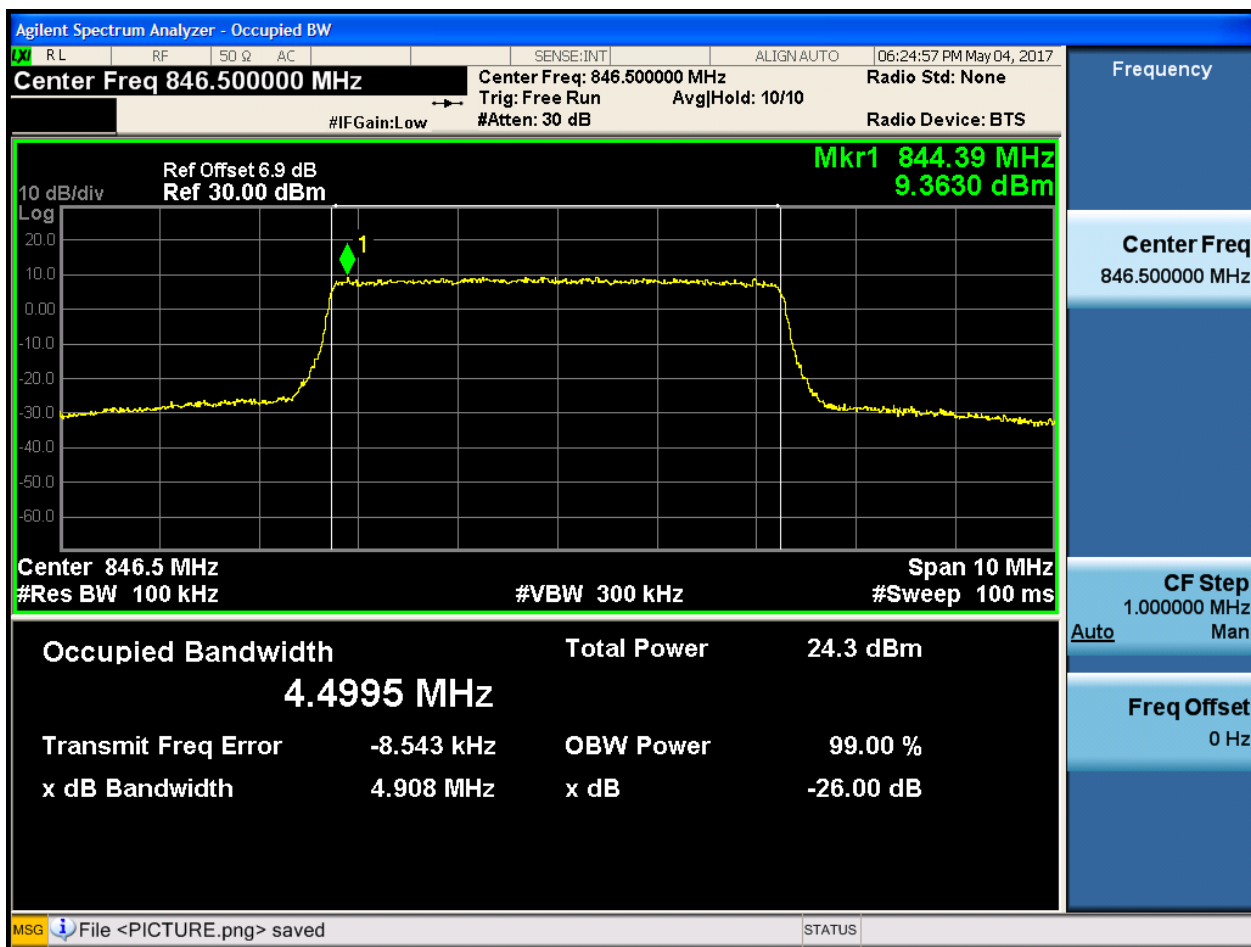
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

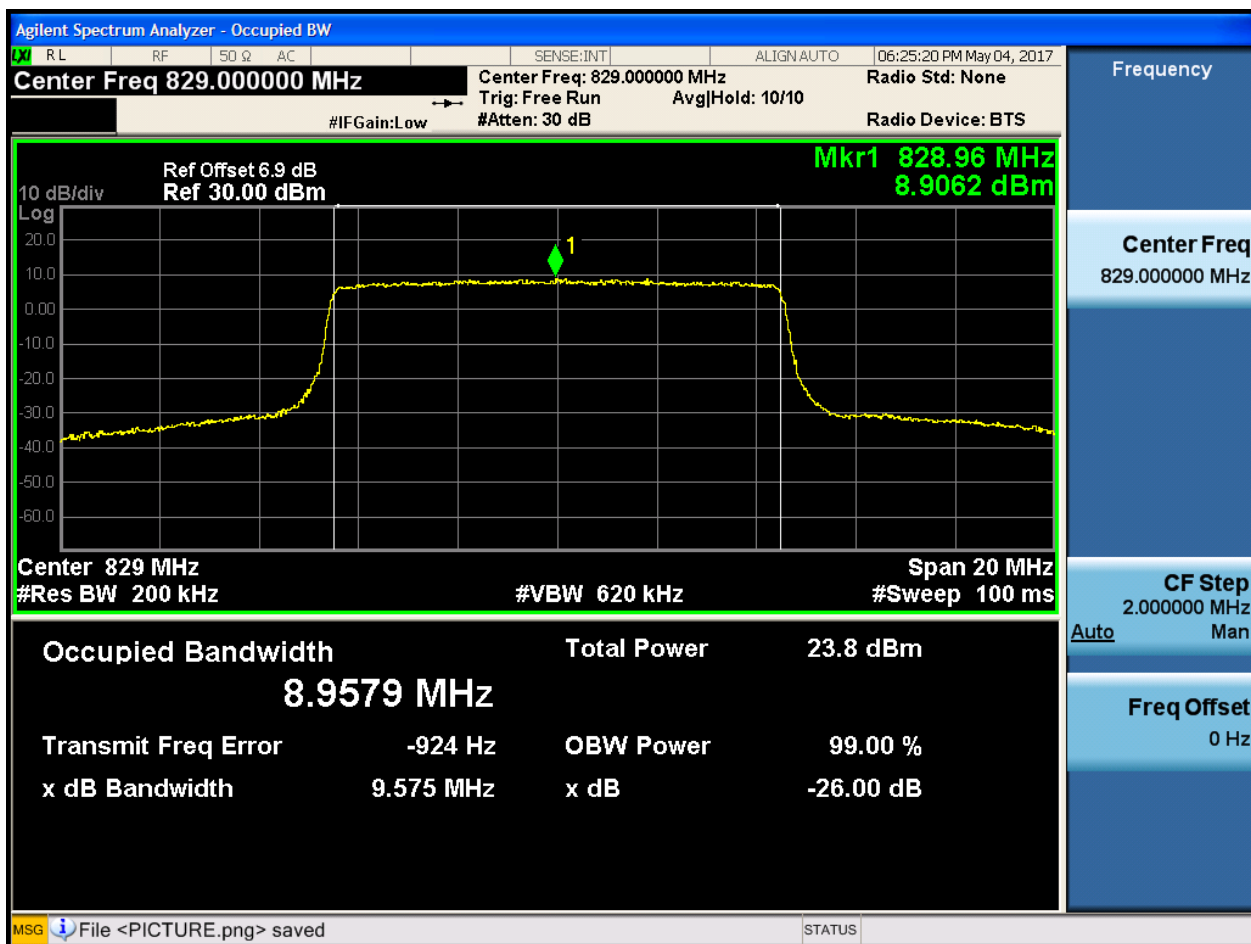




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

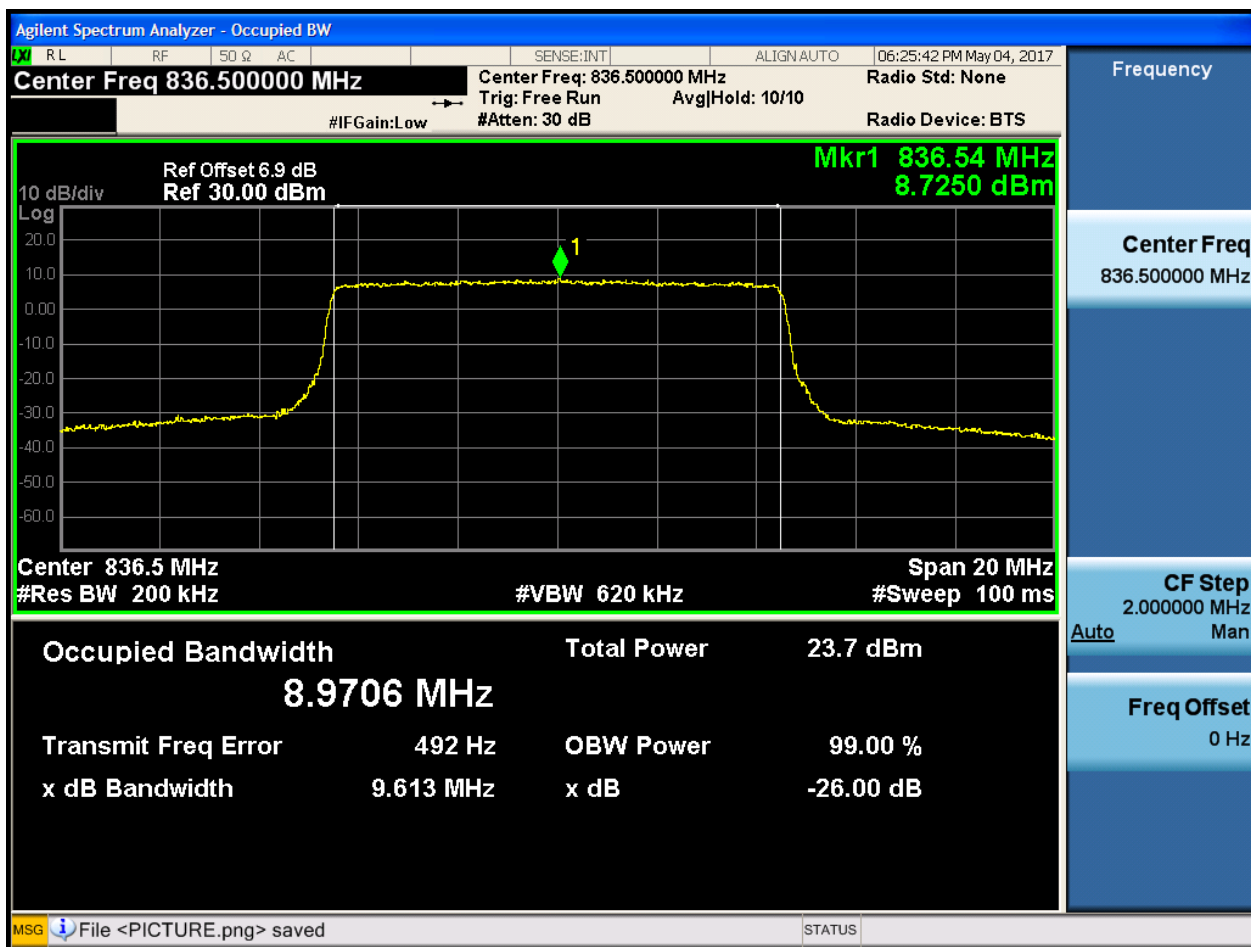
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

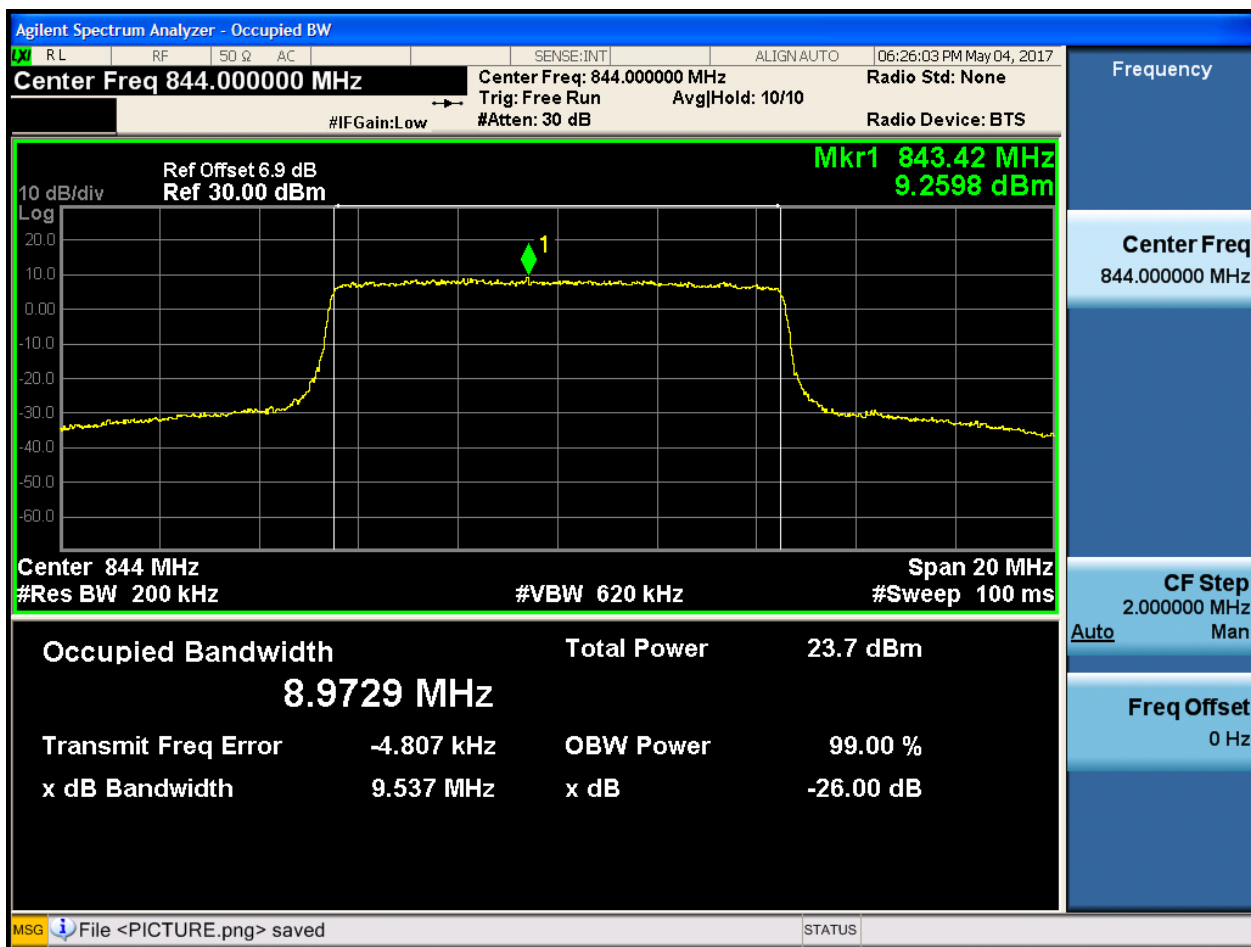
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

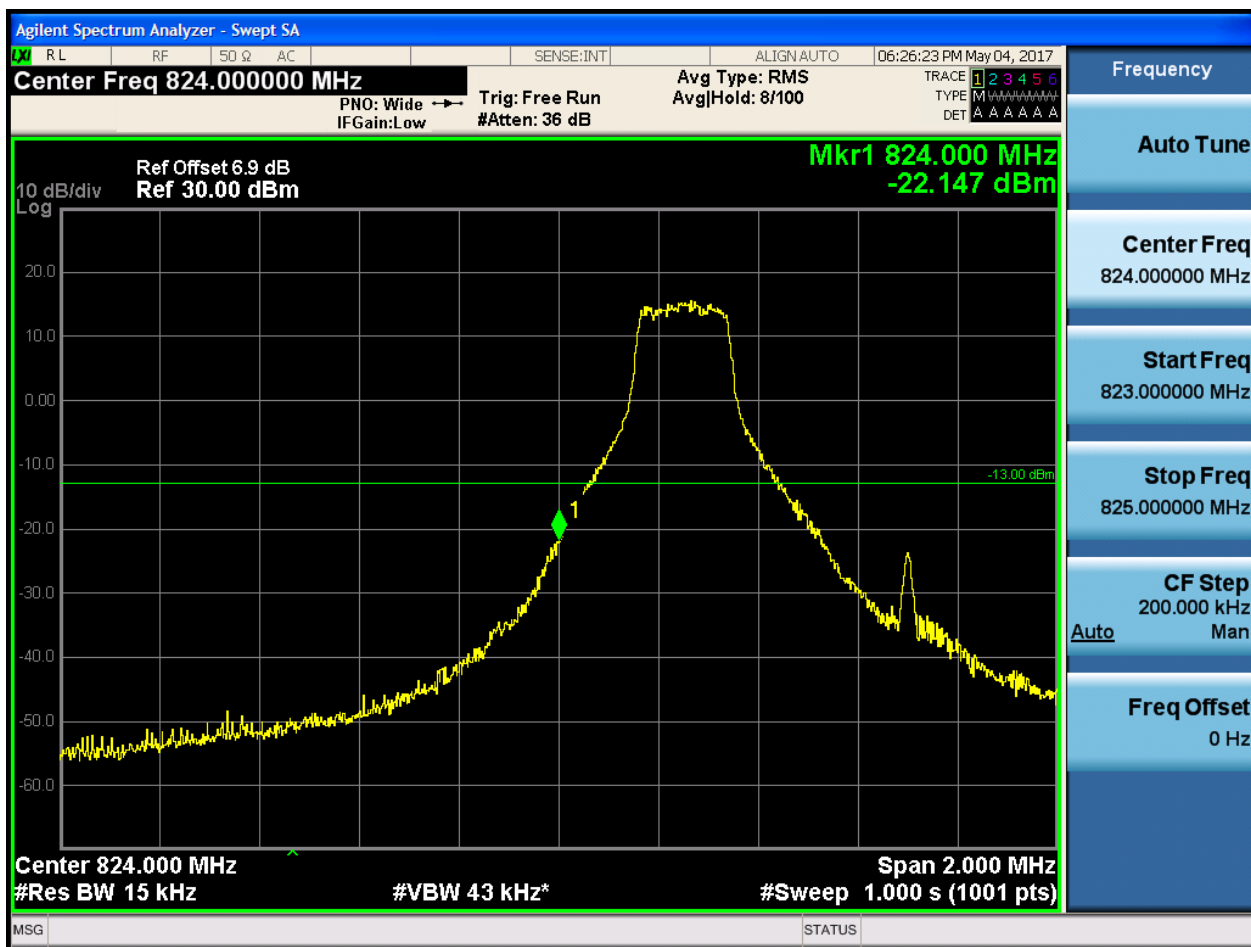
5.1.1 Test Band = BAND5

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

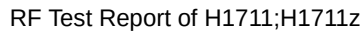
5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-29.833 dBm

Center 824.000 MHz
#Res BW 15 kHz

#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

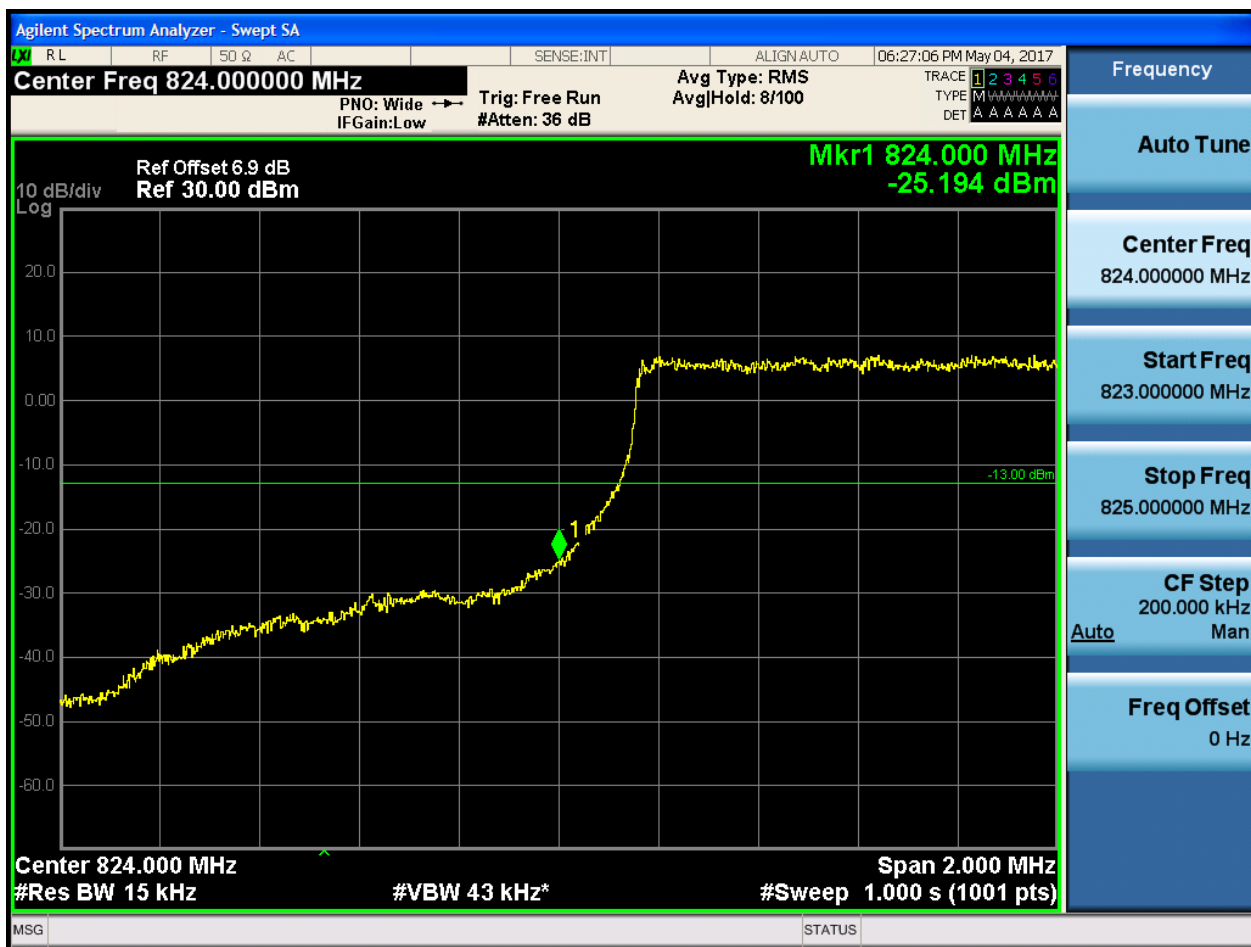
Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



5.1.1.1.1.4 Test RB = RB6#0





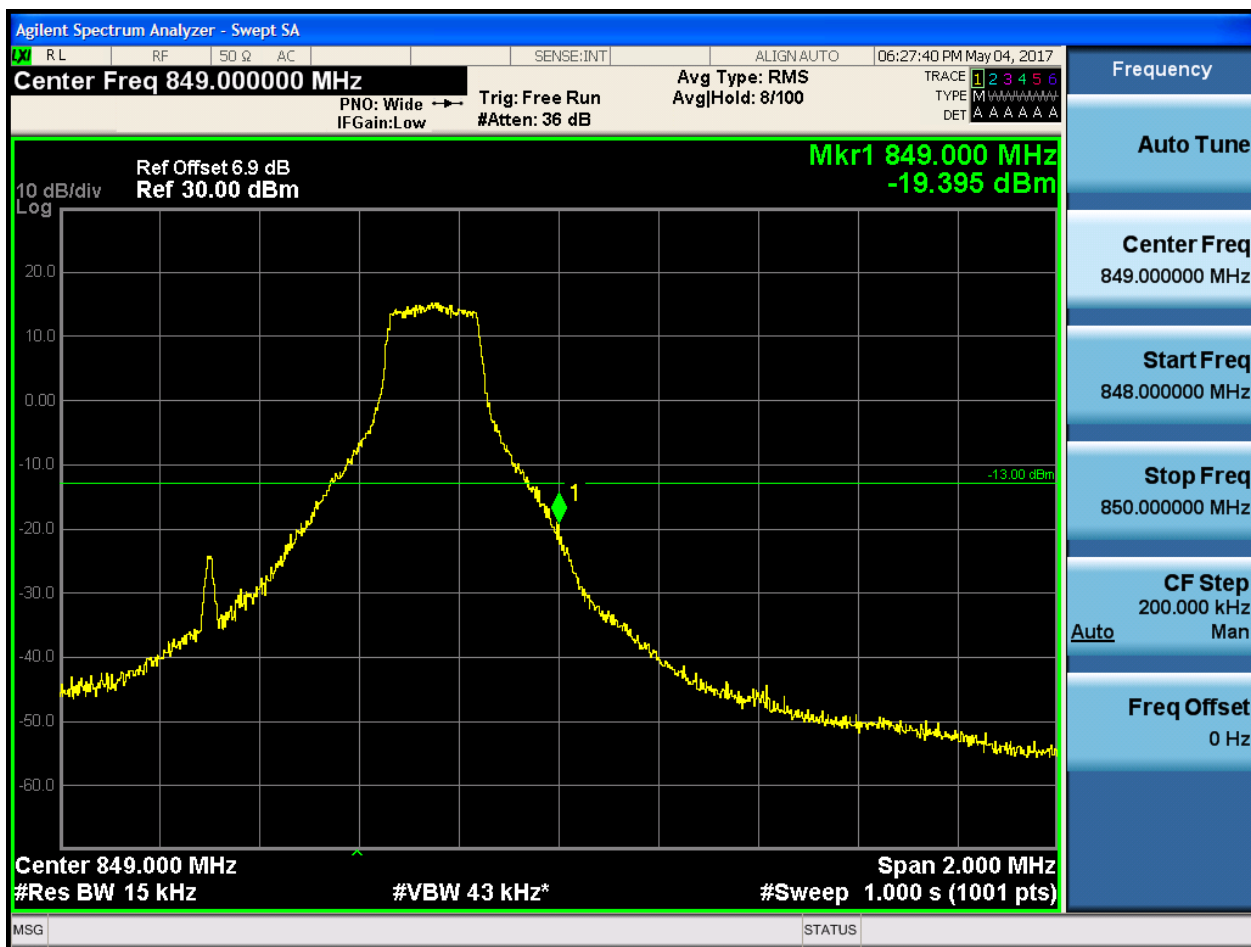
5.1.1.1.1.2 Test Channel = HCH

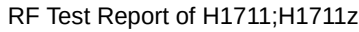
5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 06:27:54 PM May 04, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

**Mkr1 849.010 MHz
-21.826 dBm**

10 dB/div
Log

-13.00 dBm

Center 849.000 MHz
#Res BW 15 kHz #VBW 43 kHz* Span 2.000 MHz
#Sweep 1.000 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



5.1.1.1.2.4 Test RB = RB6#0

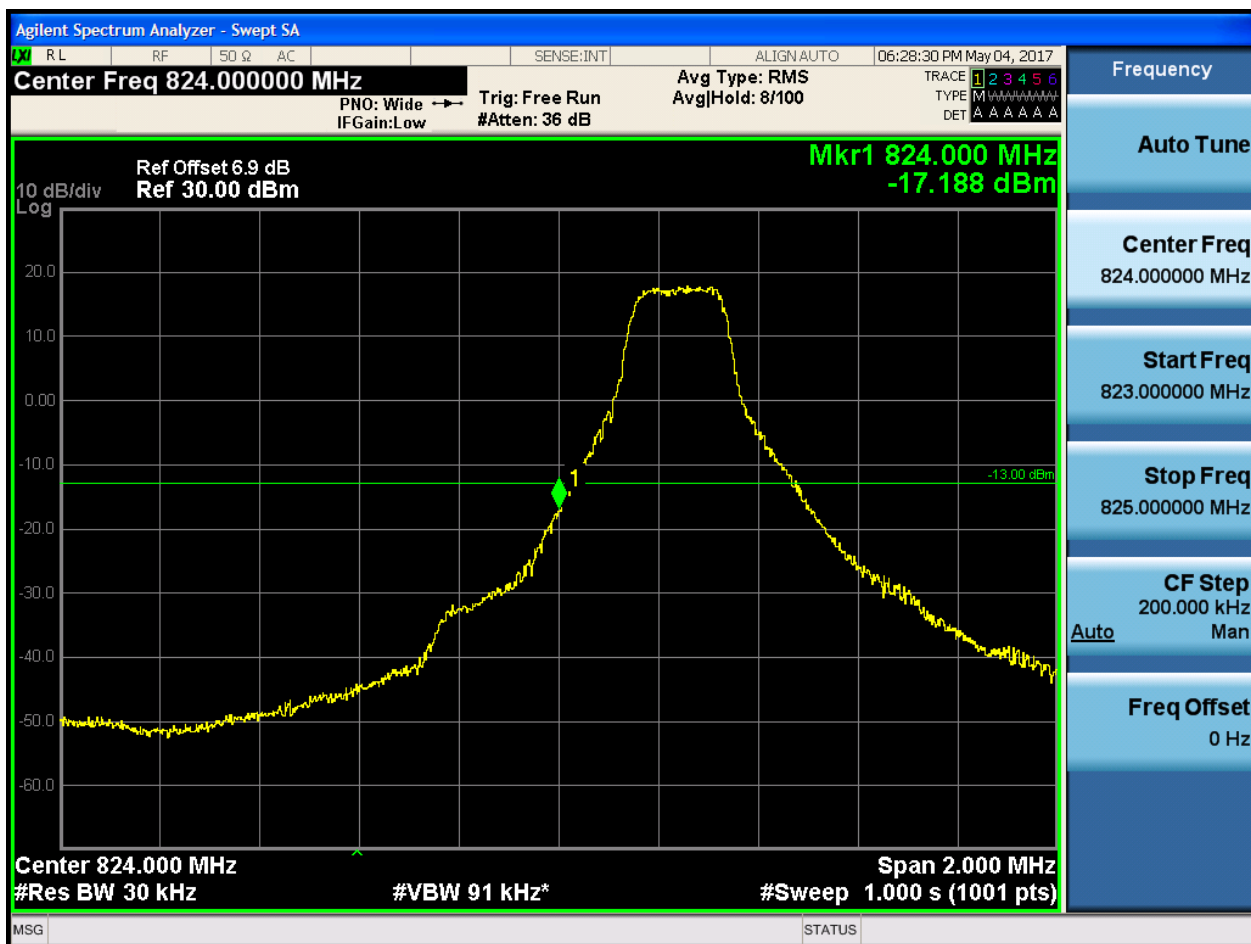




5.1.1.1.2 Test Bandwidth = 3

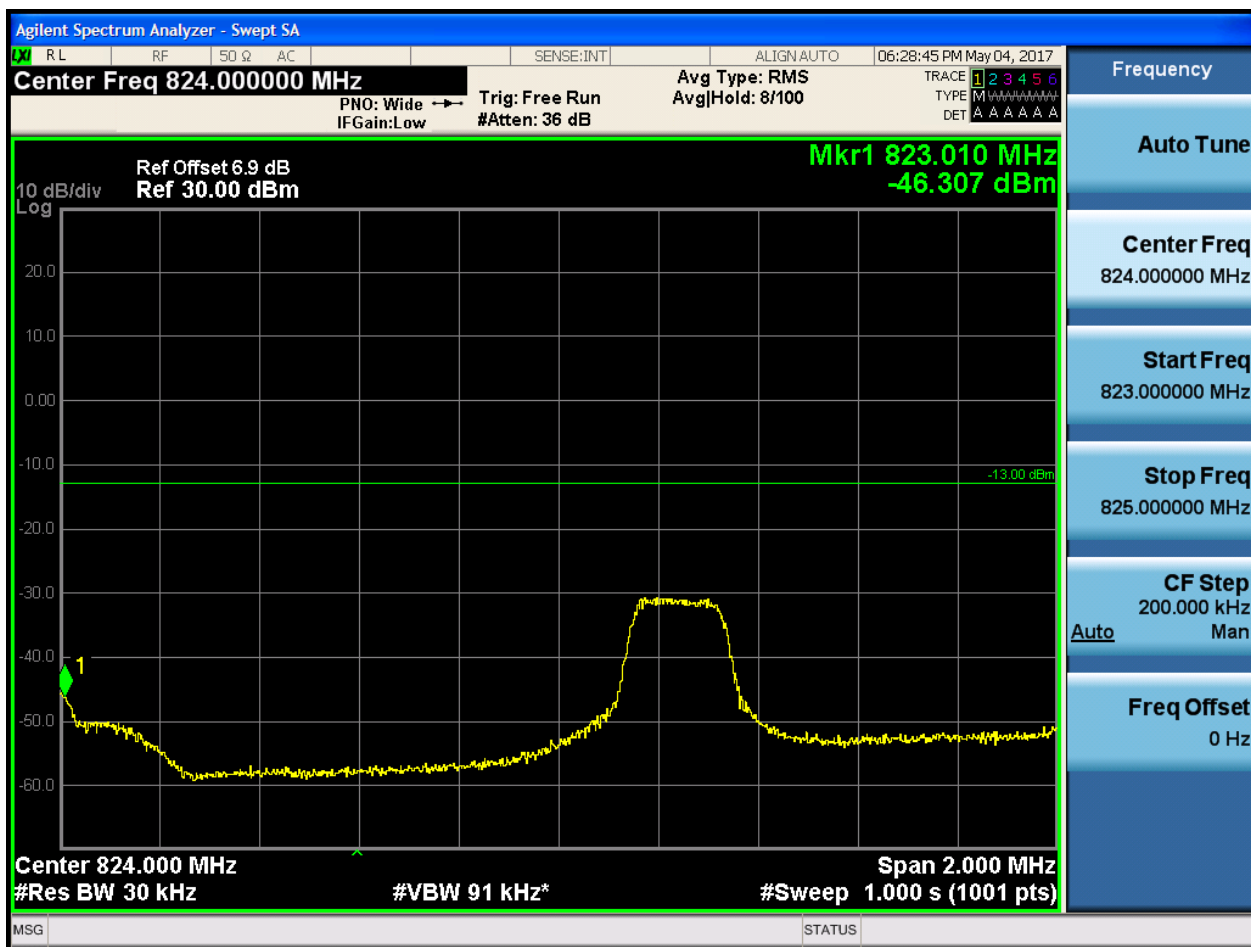
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



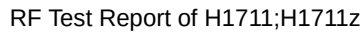


5.1.1.1.2.1.2 Test RB = RB1#14



5.1.1.1.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 06:29:13 PM May 04, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

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

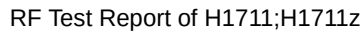
Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-24.723 dBm

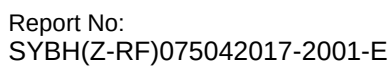
10 dB/div
Log

Center 824.000 MHz
#Res BW 30 kHz
#VBW 91 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

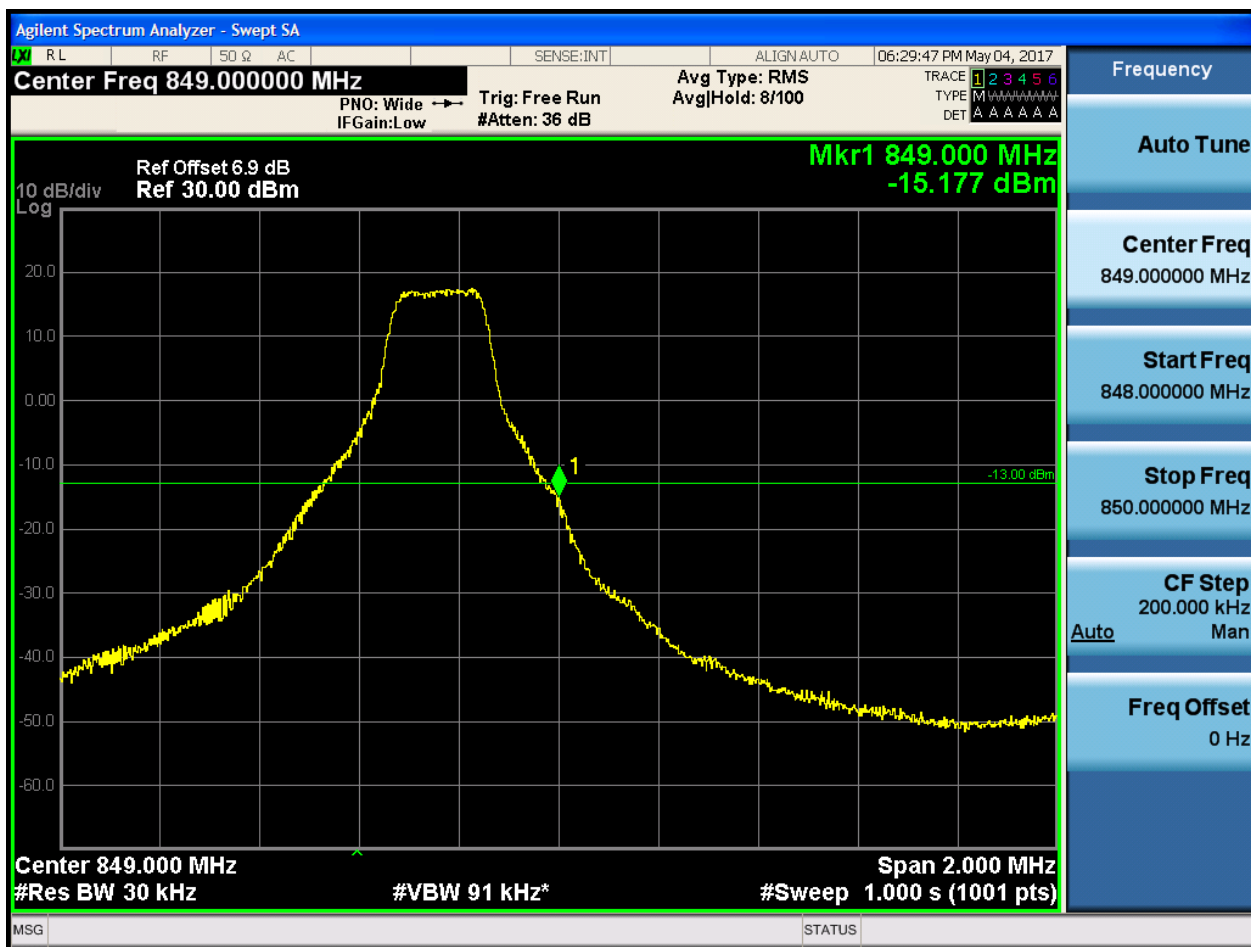


5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





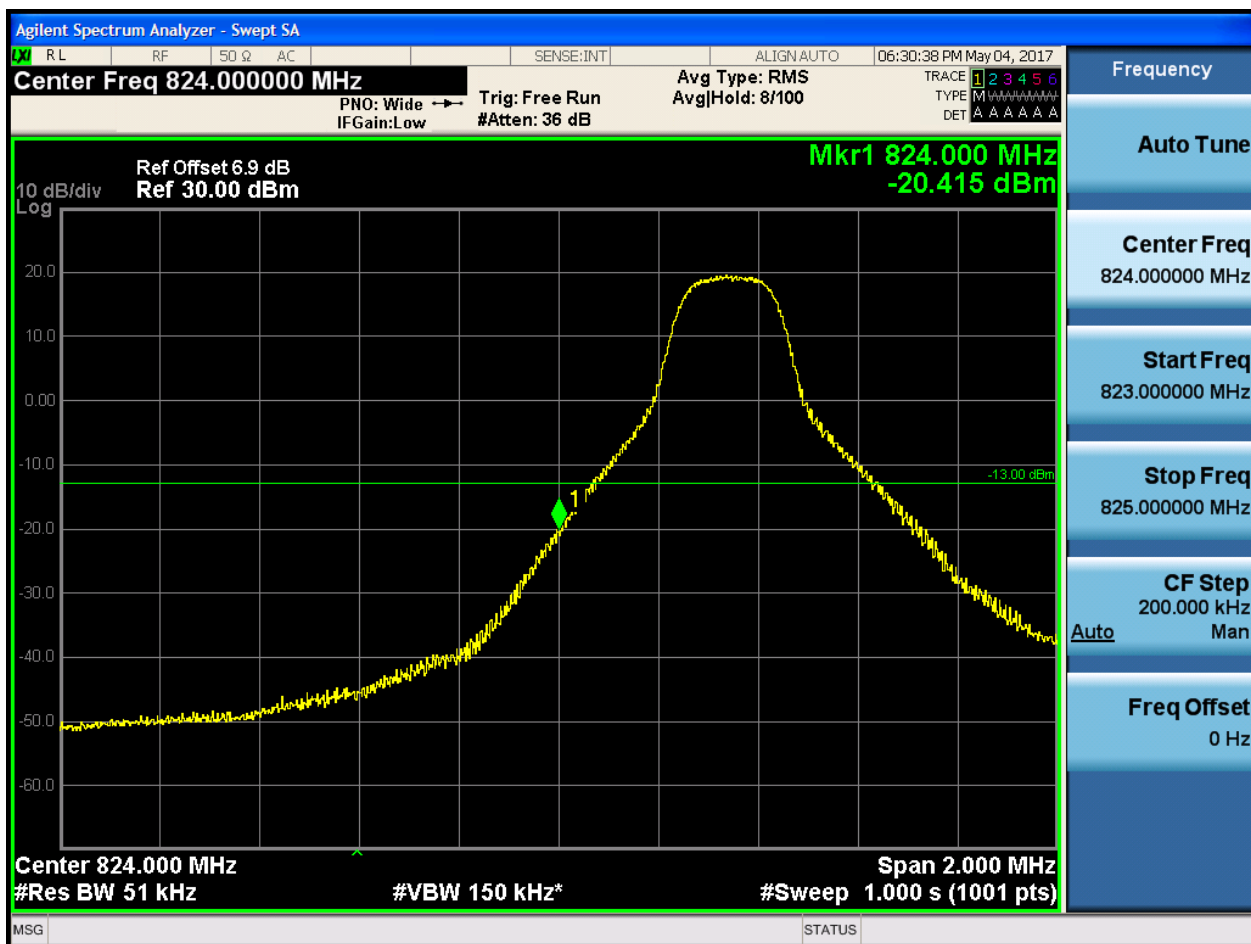
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

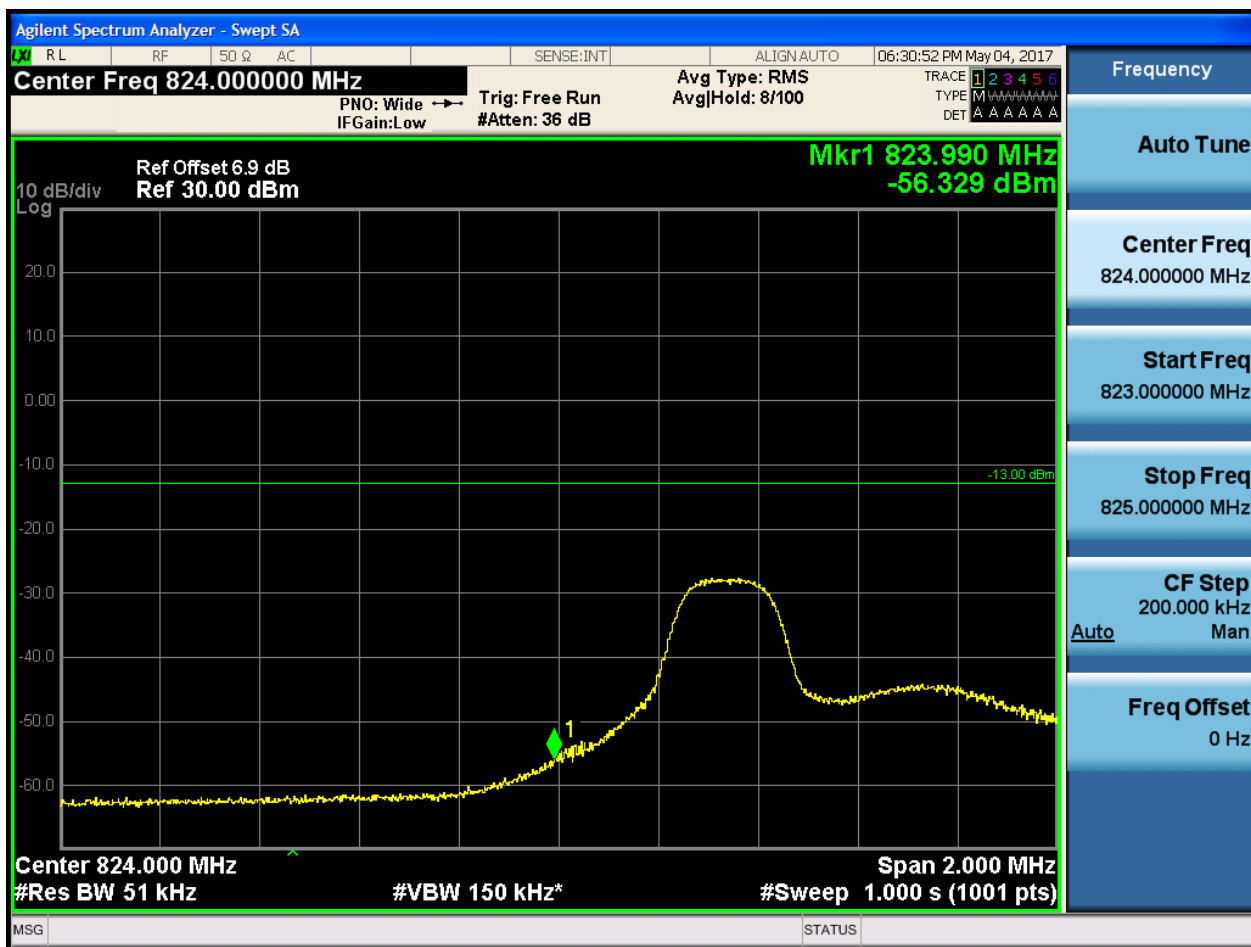
5.1.1.1.3.1 Test Channel = LCH

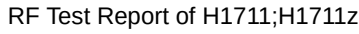
5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:31:06 PM May 04, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A A

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-30.781 dBm

10 dB/div
Log

-13.00 dBm

Center 824.000 MHz
#Res BW 51 kHz #VBW 150 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
824.000000 MHz

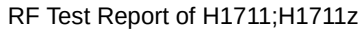
Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

Mkr1 823.990 MHz
-25.924 dBm

1

-13.00 dBm

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 8/100

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

MSG STATUS



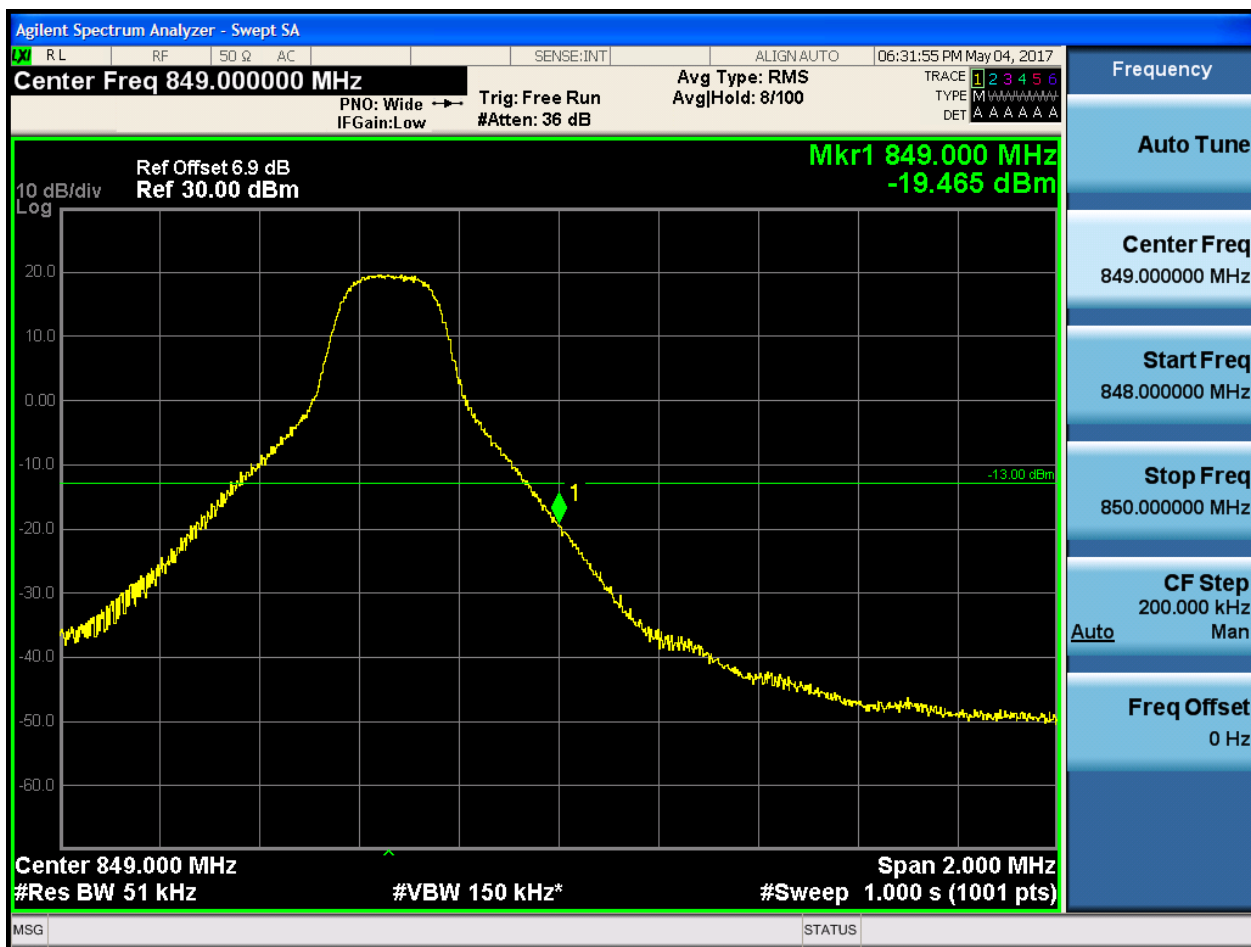
5.1.1.1.3.2 Test Channel = HCH

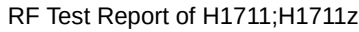
5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 06:32:09 PM May 04, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

**Mkr1 849.010 MHz
-29.972 dBm**

10 dB/div
Log

-13.00 dBm

Center 849.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 150 kHz*

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



5.1.1.1.3.2.4 Test RB = RB25#0

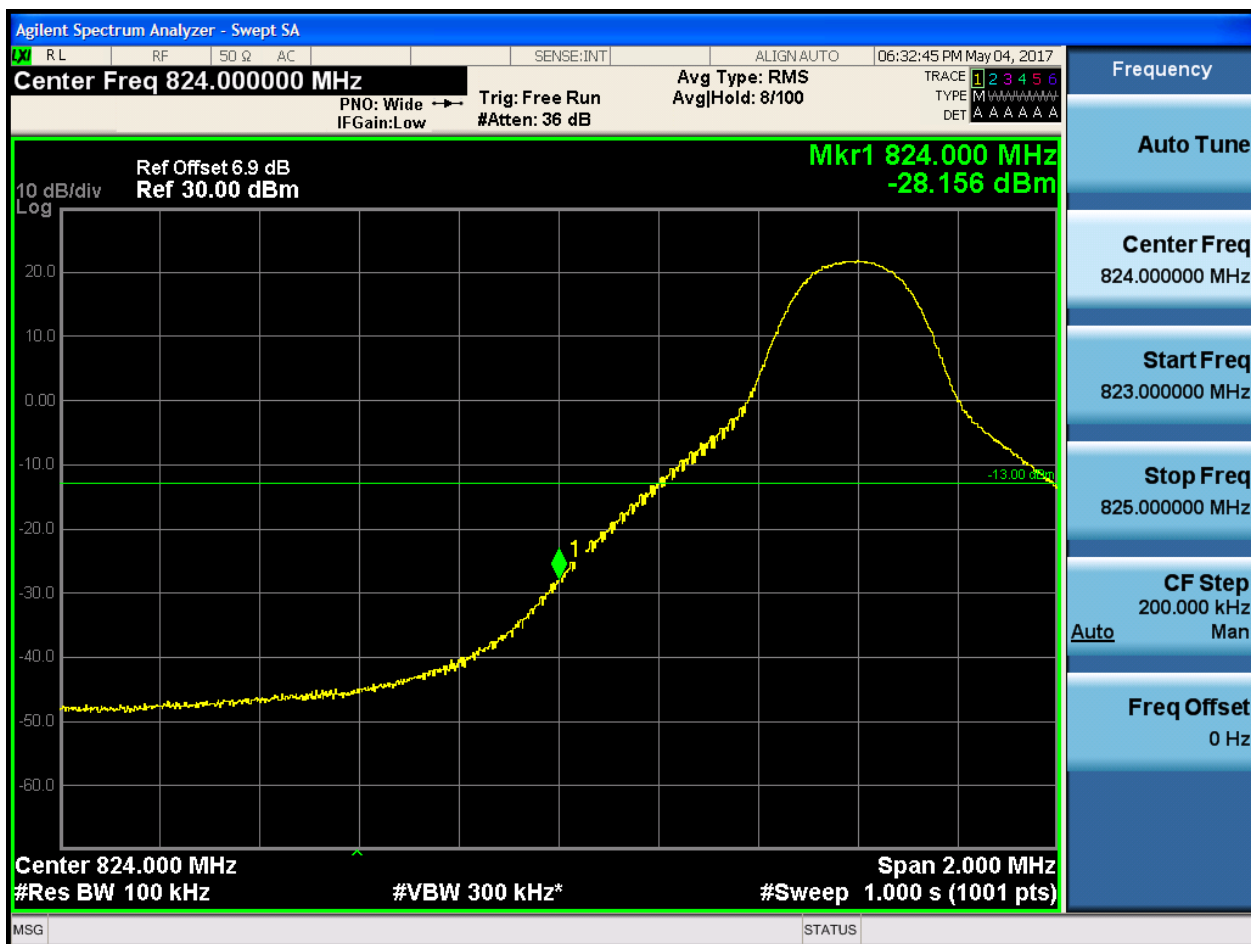




5.1.1.1.4 Test Bandwidth = 10

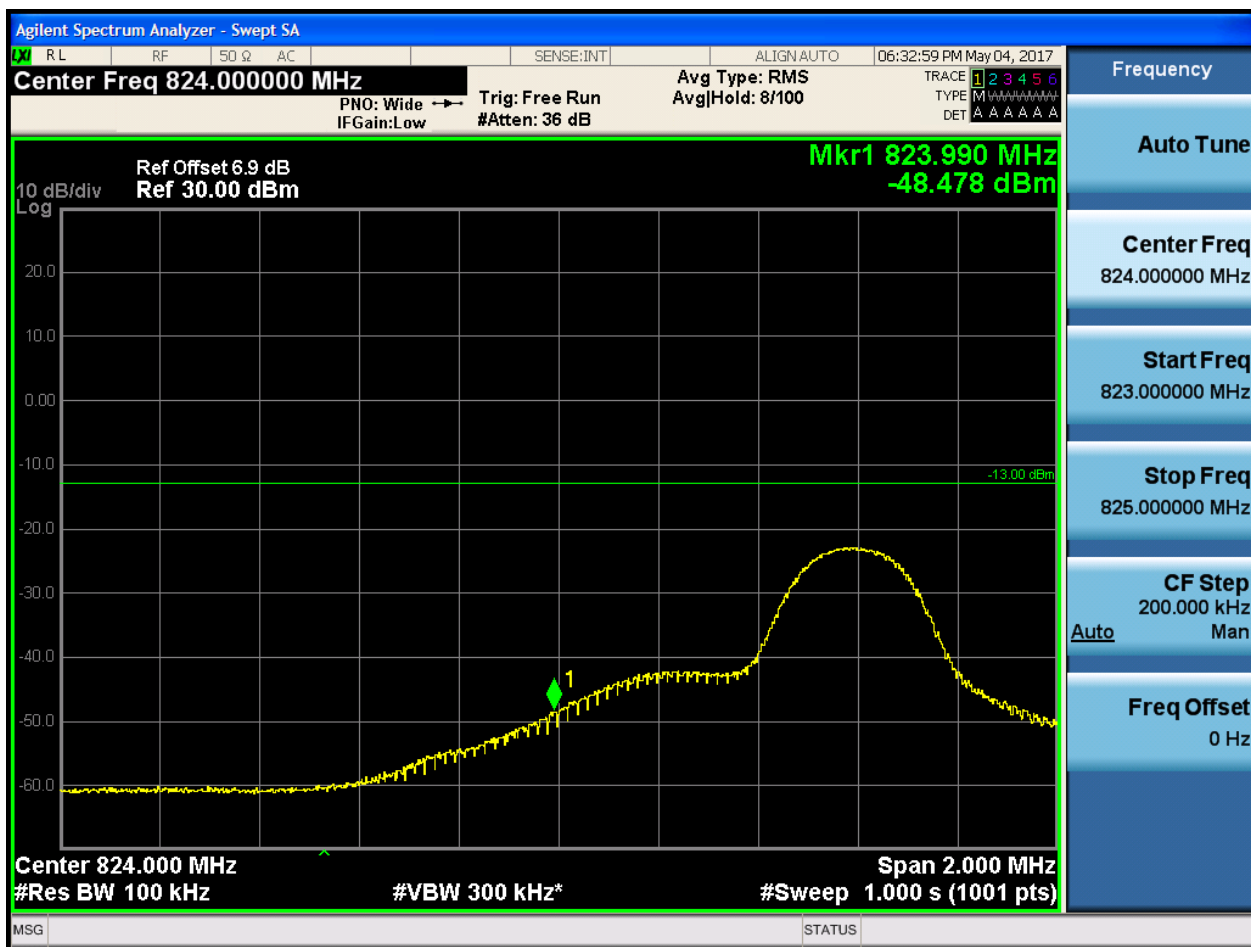
5.1.1.1.4.1 Test Channel = LCH

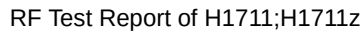
5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:33:13 PM May 04, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

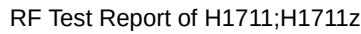
Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 823.990 MHz
-29.889 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:33:28 PM May 04, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-27.115 dBm

10 dB/div
Log

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

823.000000 MHz
824.000000 MHz
825.000000 MHz

-13.00 dBm

1

Center 824.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 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



5.1.1.1.4.2 Test Channel = HCH

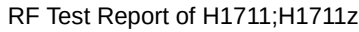
5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 06:34:17 PM May 04, 2017

Center Freq 849.000000 MHz Avg Type: RMS
 PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
 #Atten: 36 dB TRACE 1 2 3 4 5 6
 TYPE M W W W W W W W W W
 DET A A A A A A

Ref Offset 6.9 dB
 Ref 30.00 dBm

**Mkr1 849.010 MHz
 -30.153 dBm**

10 dB/div
 Log

-13.00 dBm

Center 849.000 MHz
#Res BW 100 kHz **#VBW 300 kHz*** **Span 2.000 MHz**
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

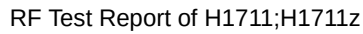
Center Freq
 849.000000 MHz

Start Freq
 848.000000 MHz

Stop Freq
 850.000000 MHz

CF Step
 200.000 kHz
 Auto Man

Freq Offset
 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:34:31 PM May 04, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run
#Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 849.010 MHz
-27.837 dBm

10 dB/div
Log

-13.00 dBm

Center 849.000 MHz
#Res BW 100 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 300 kHz*

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

MSG STATUS

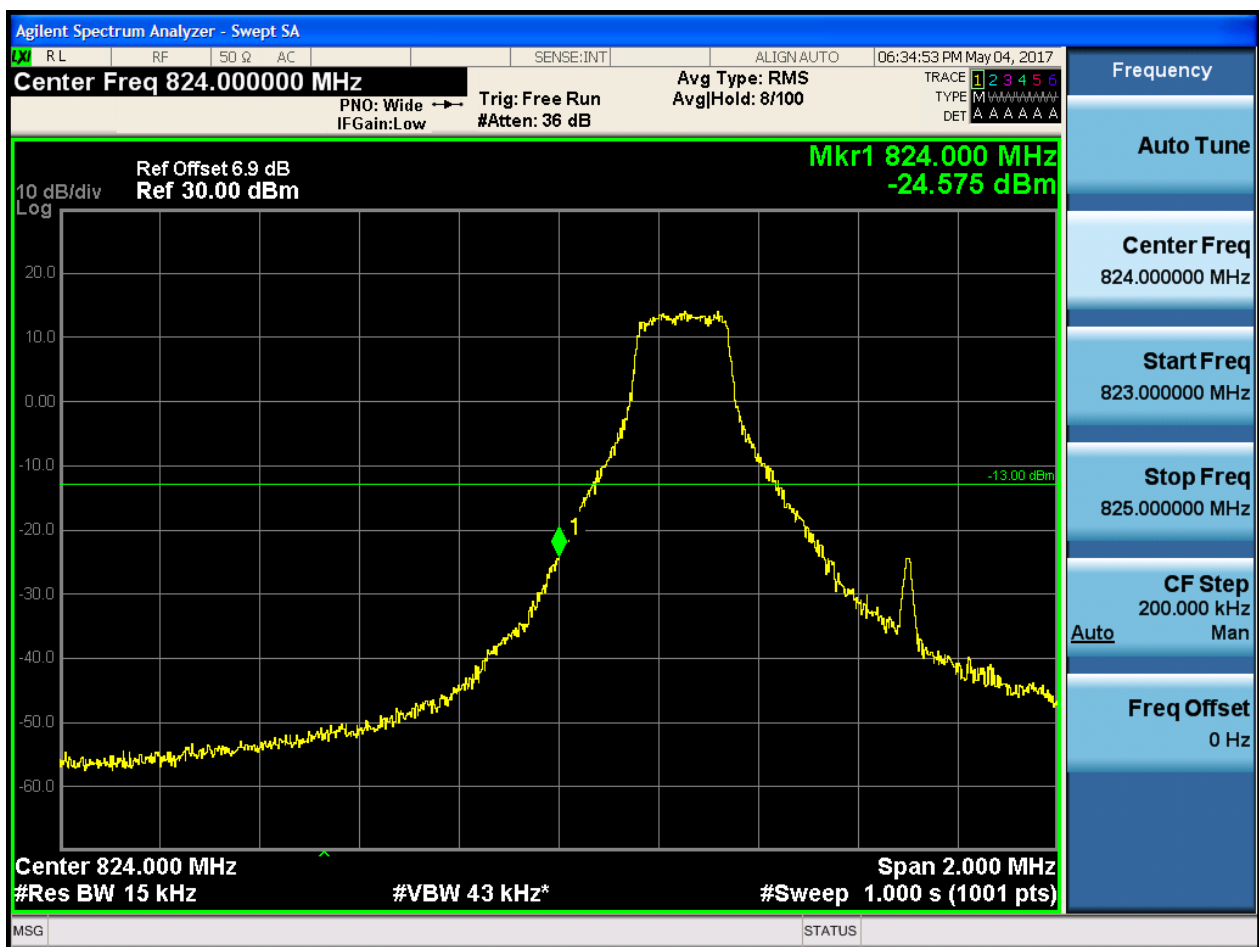


5.1.1.2 Test Mode = LTE/TM2

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





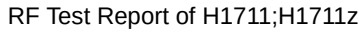
5.1.1.2.1.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 06:35:36 PM May 04, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 823.990 MHz
-26.275 dBm

-13.00 dBm

Center 824.000 MHz
#Res BW 15 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

#VBW 43 kHz*

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

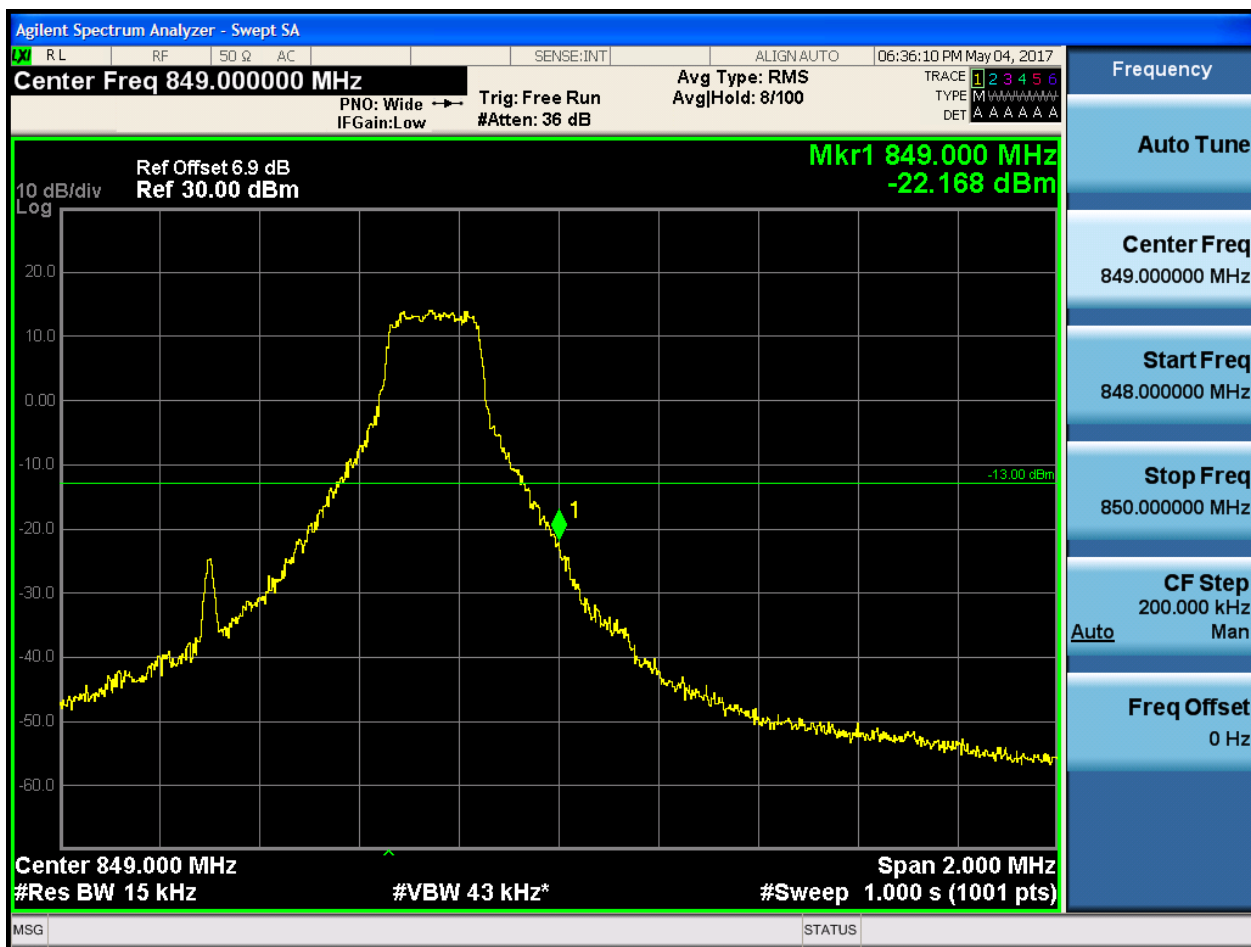
5.1.1.2.1.2 Test Channel = HCH

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



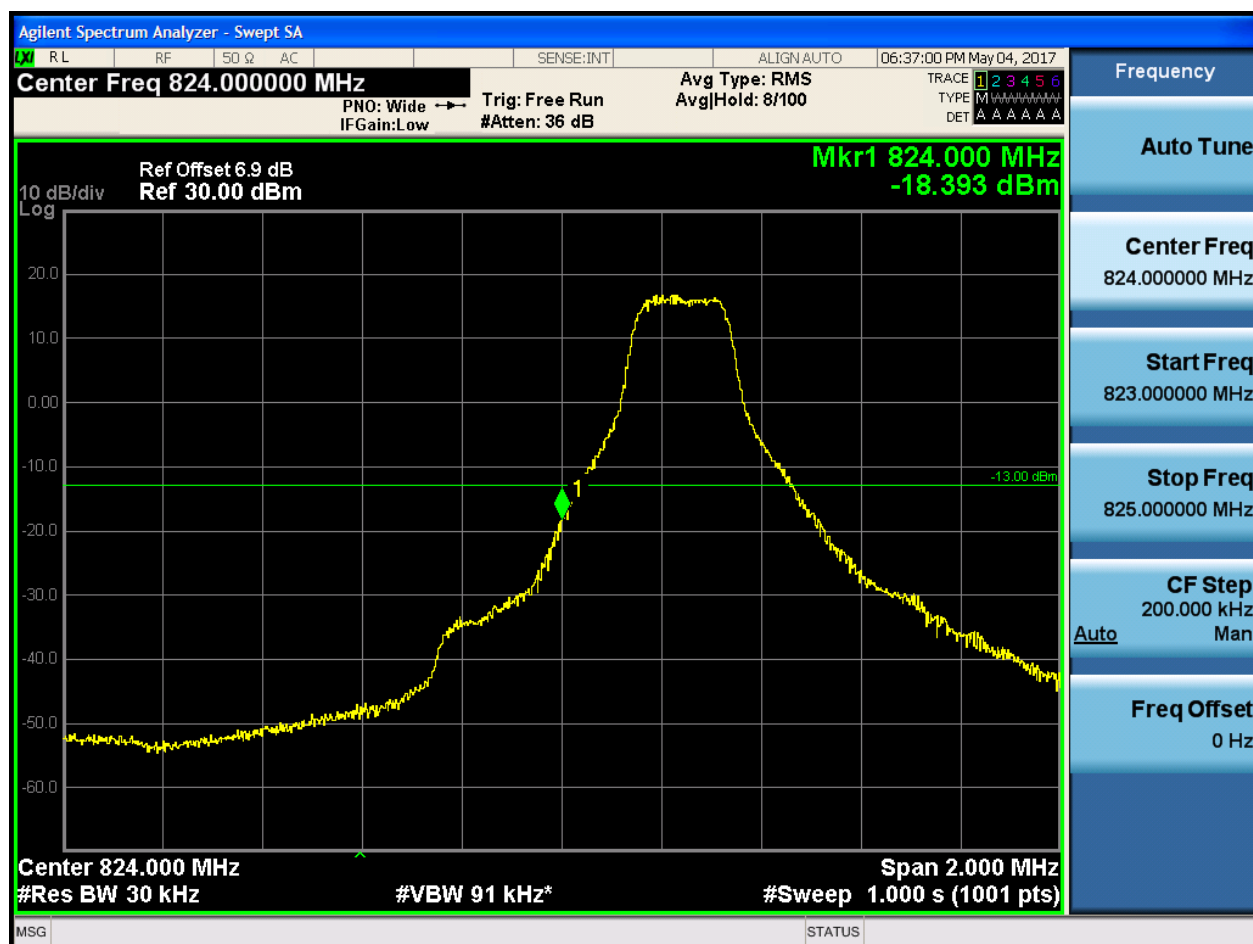
5.1.1.2.1.2.4 Test RB = RB6#0



5.1.1.2.2 Test Bandwidth = 3

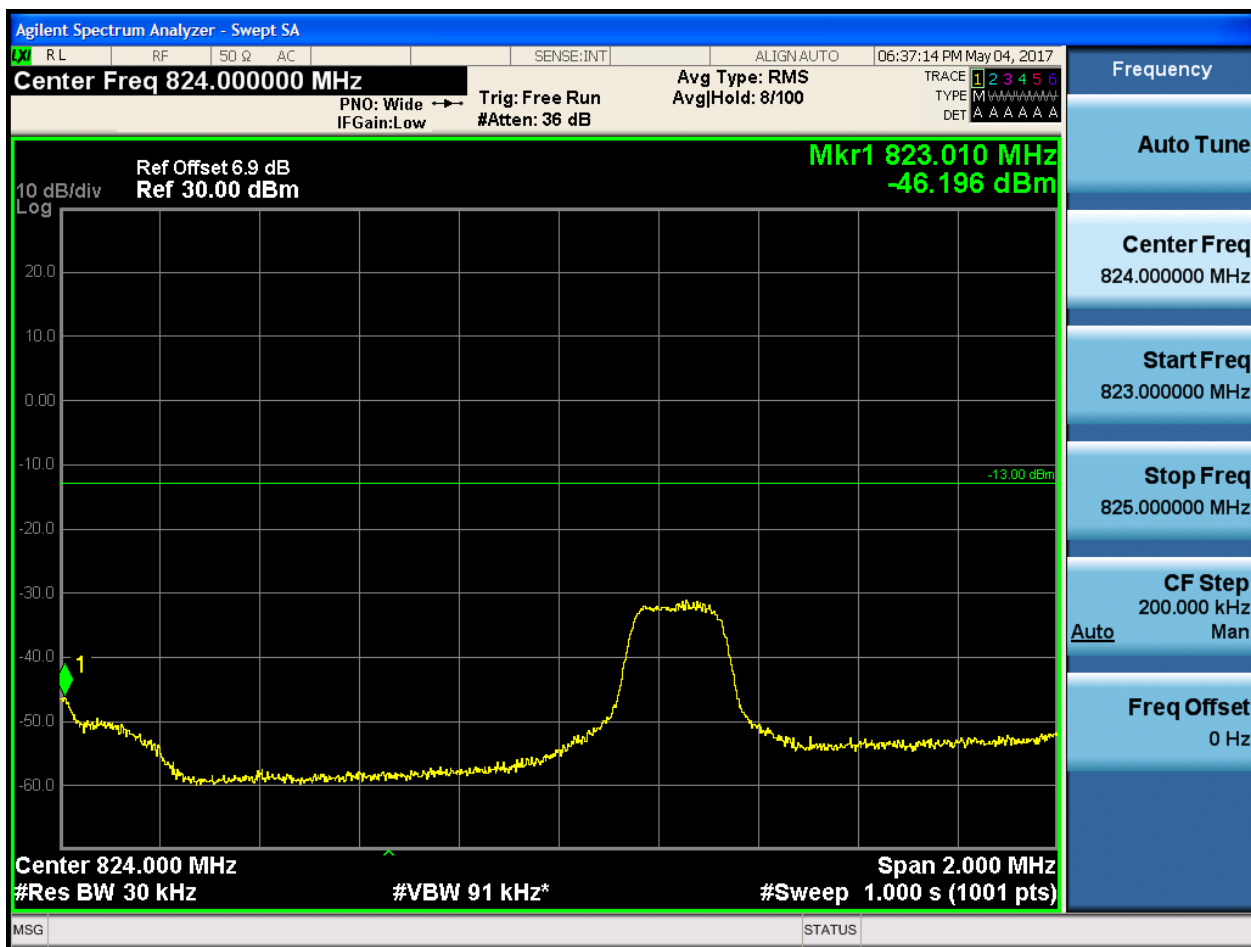
5.1.1.2.2.1 Test Channel = LCH

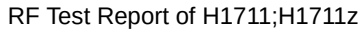
5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-32.523 dBm

Center 824.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

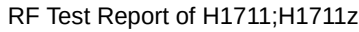
Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-25.742 dBm

Center 824.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

Frequency

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

Center 824.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

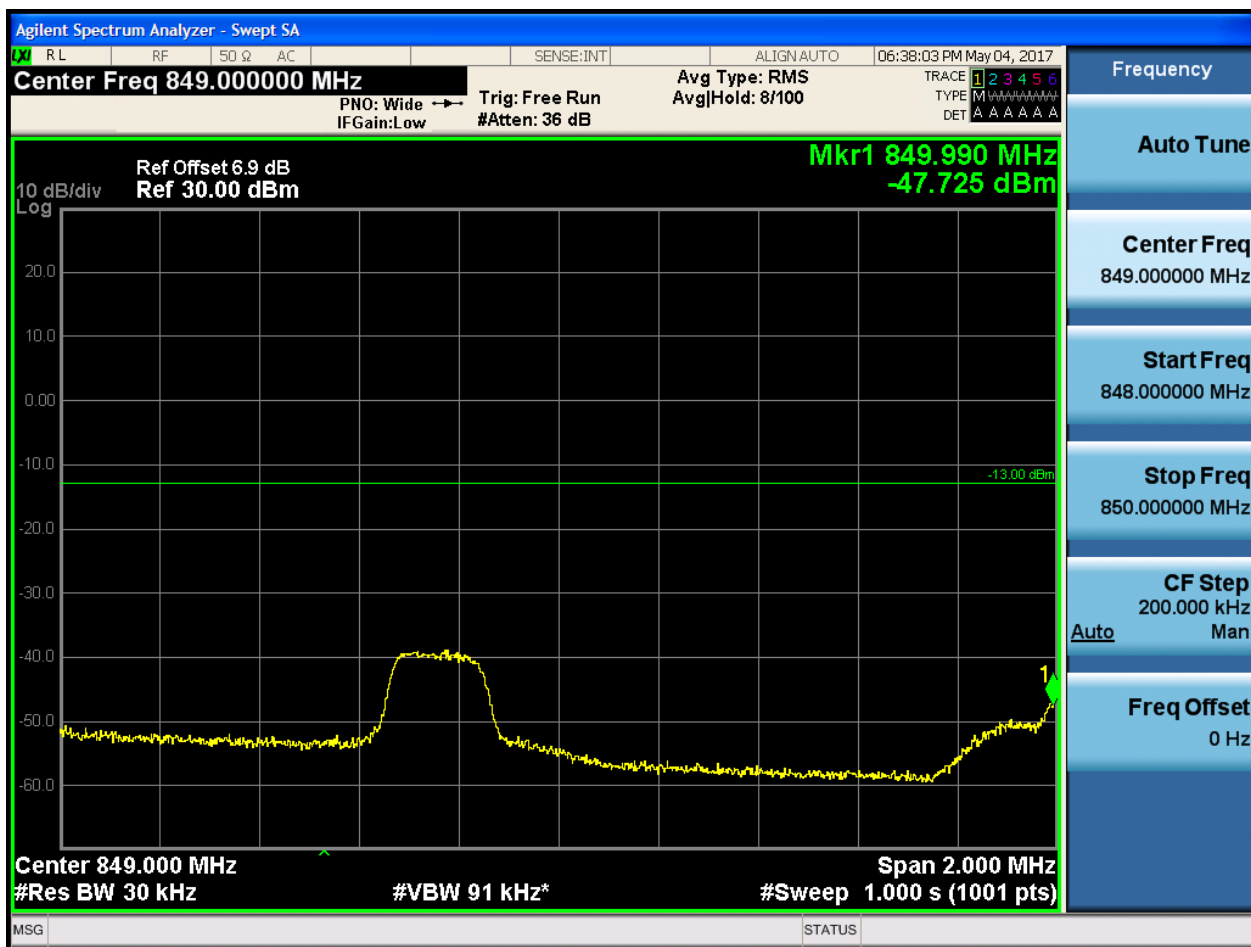
MSG

STATUS



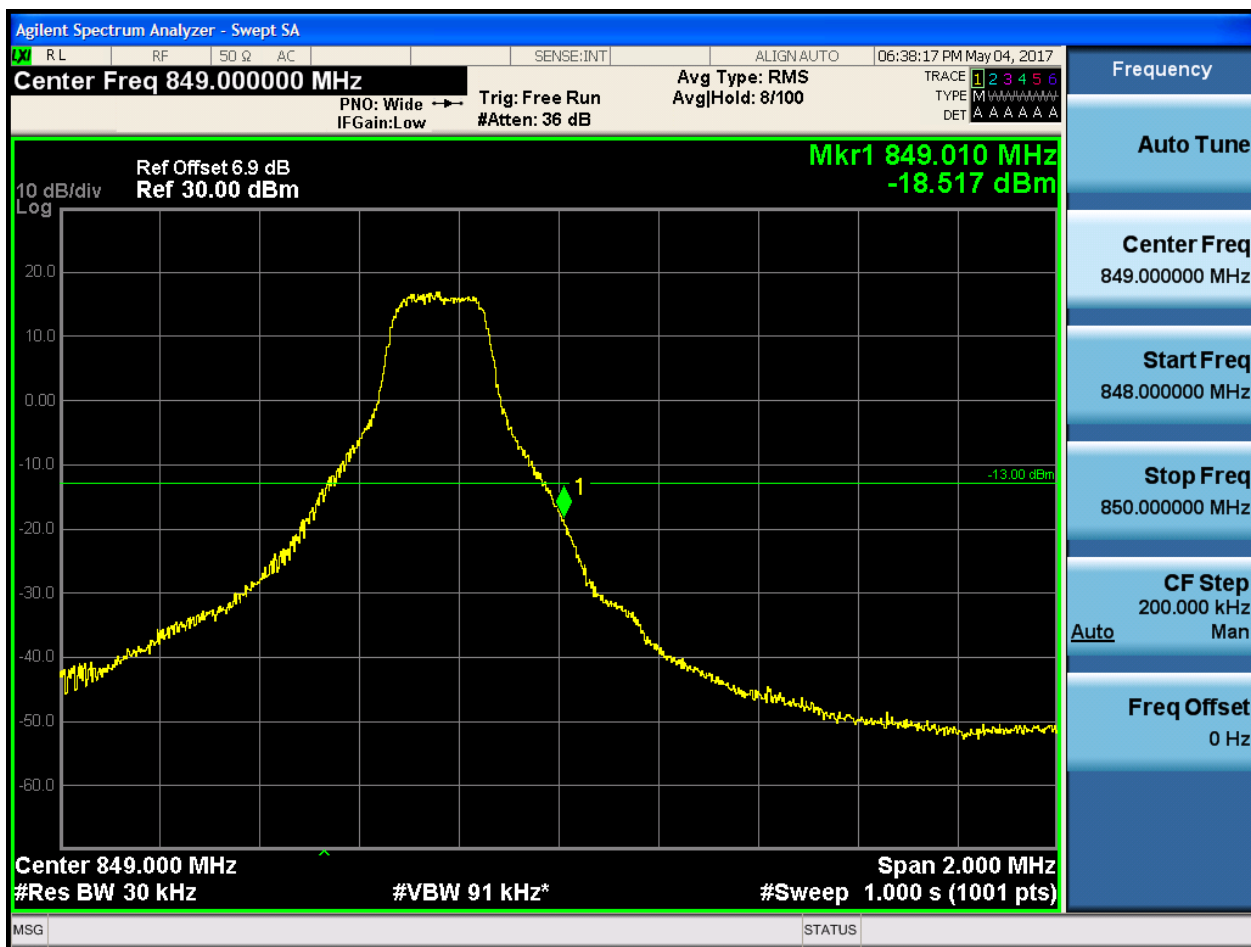
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14



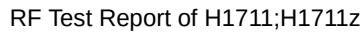
5.1.1.2.2.2.3 Test RB = RB8#4





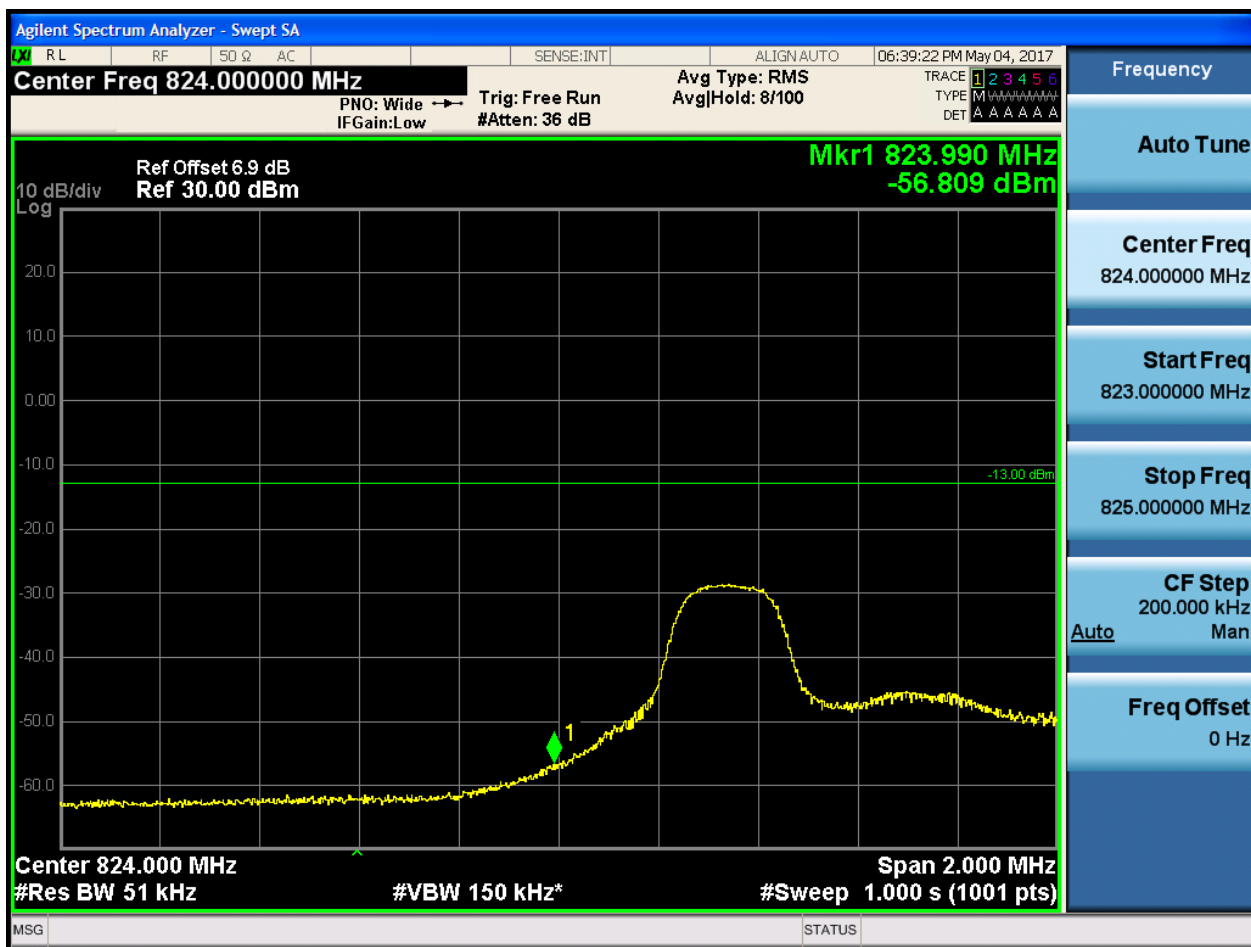
5.1.1.2.2.4 Test RB = RB15#0

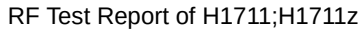






5.1.1.2.3.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:39:36 PM May 04, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-32.216 dBm

10 dB/div
Log

-13.00 dBm

Center 824.000 MHz
#Res BW 51 kHz #VBW 150 kHz* Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

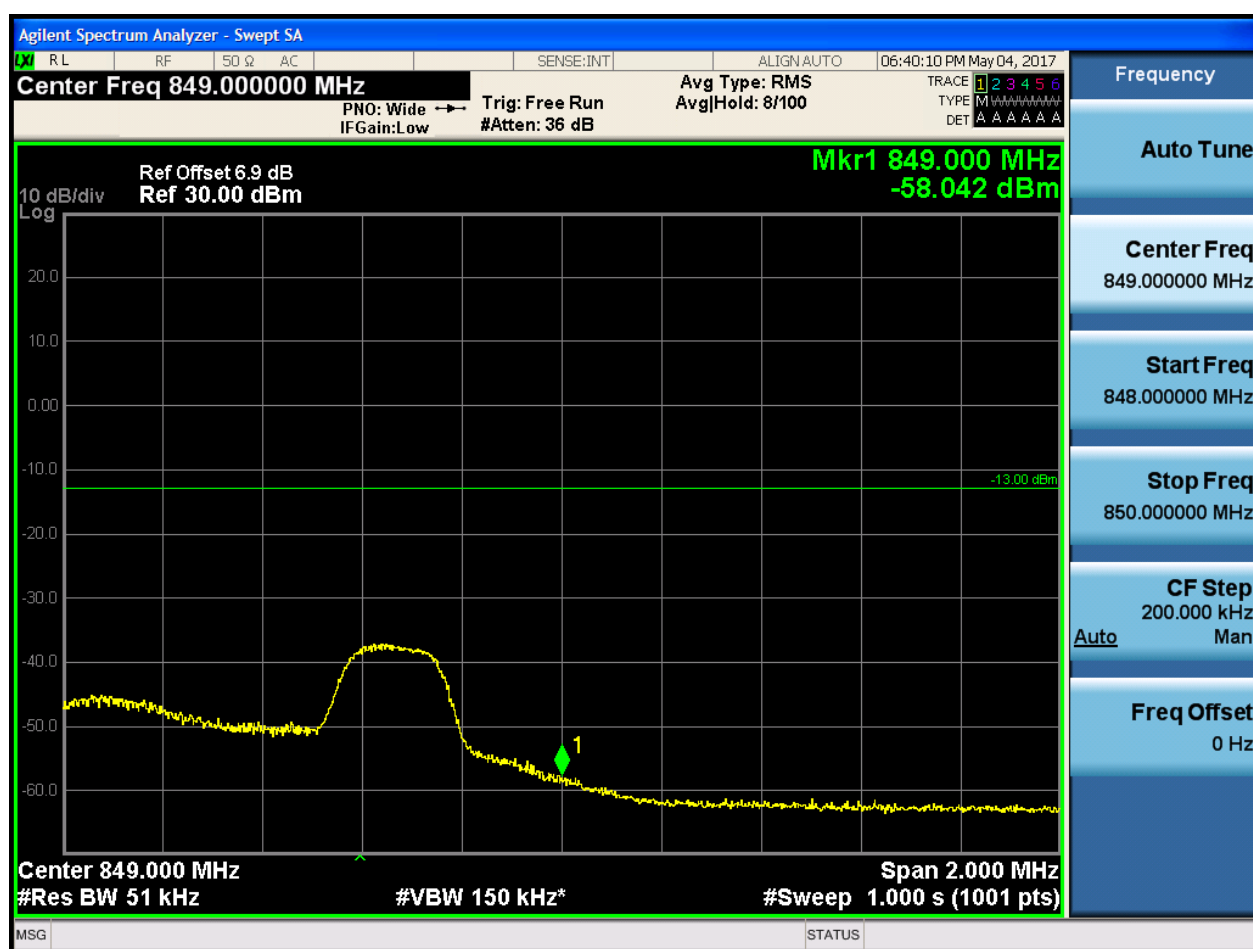


5.1.1.2.3.1.4 Test RB = RB25#0



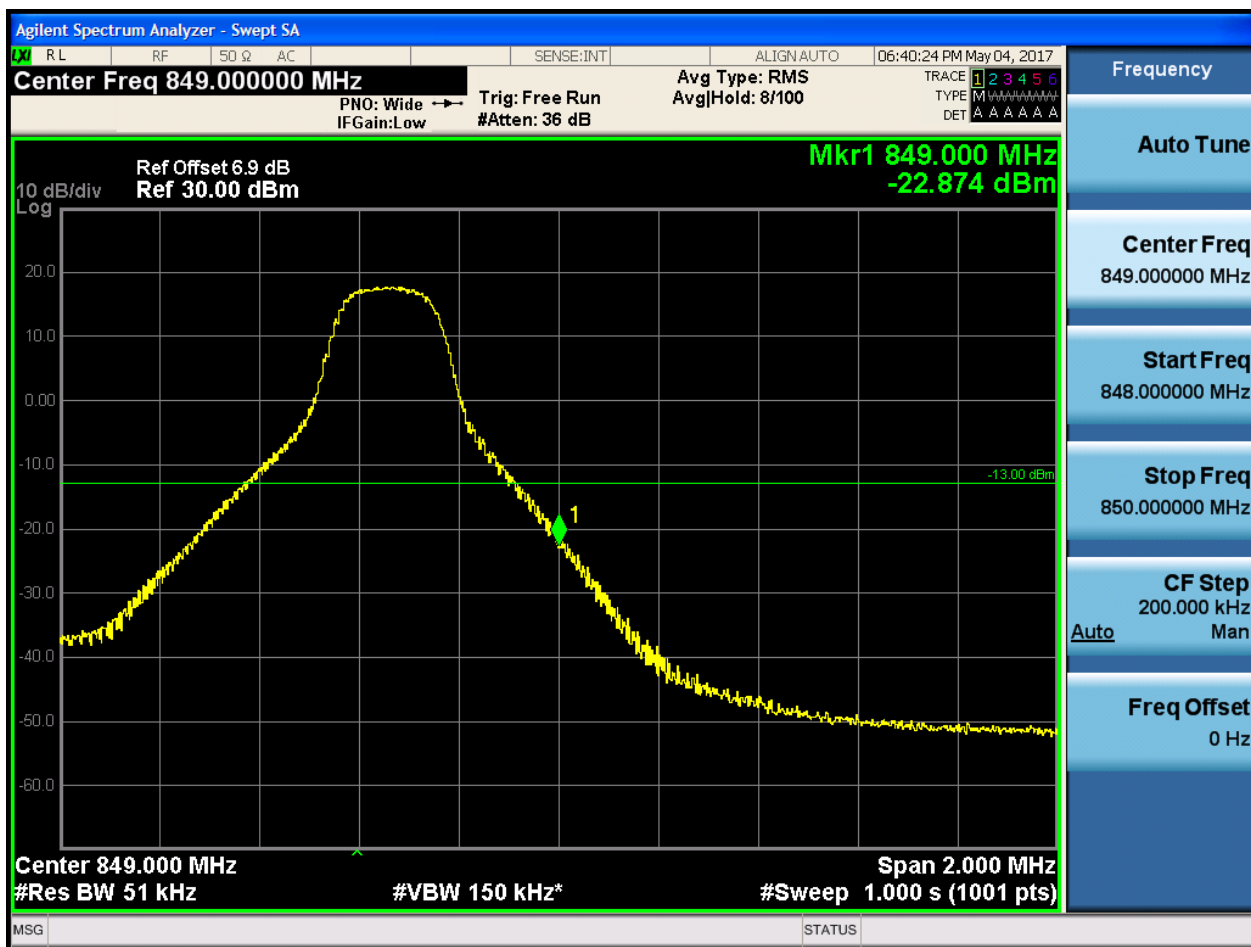
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





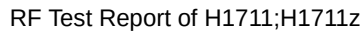
5.1.1.2.3.2.2 Test RB = RB1#24





5.1.1.2.3.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 06:40:53 PM May 04, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A A

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 849.000 MHz
-27.474 dBm

10 dB/div
Log

-13.00 dBm

Center 849.000 MHz
#Res BW 51 kHz
#VBW 150 kHz*
Span 2.000 MHz
#Sweep 1.000 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

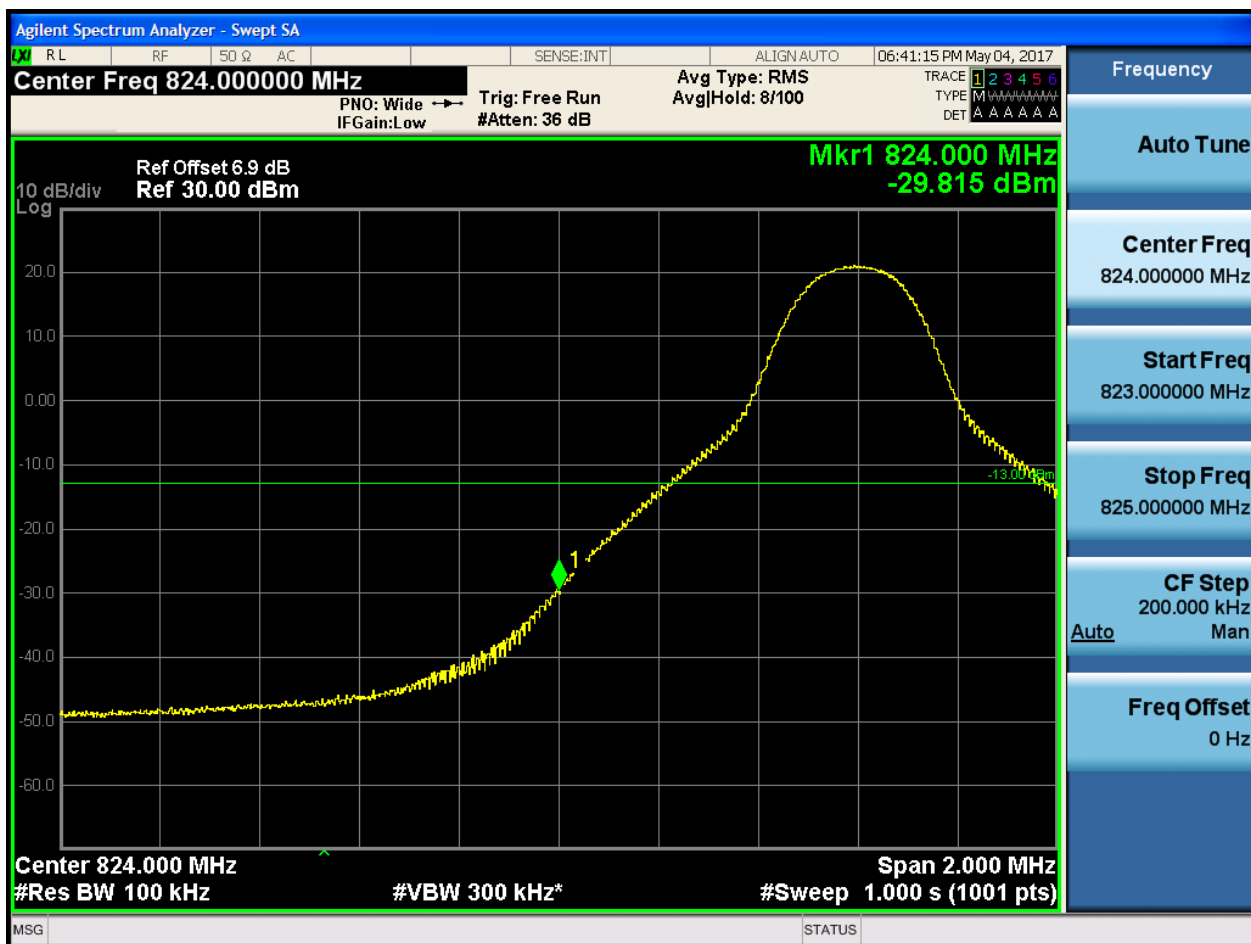
Freq Offset
0 Hz



5.1.1.2.4 Test Bandwidth = 10

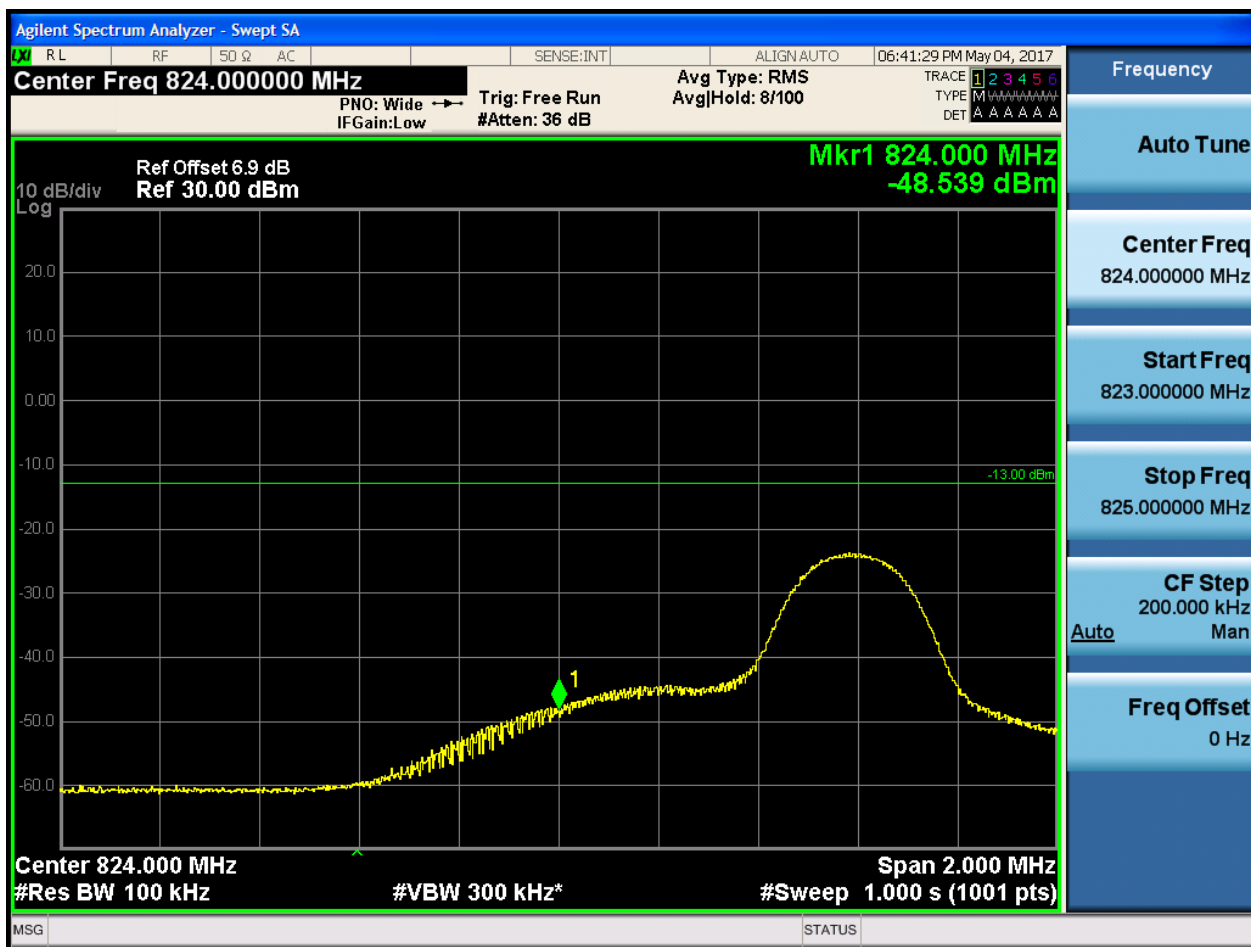
5.1.1.2.4.1 Test Channel = LCH

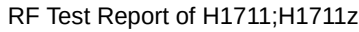
5.1.1.2.4.1.1 Test RB = RB1#0





5.1.1.2.4.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 36 dB

Avg Type: RMS
Avg/Hold: 8/100

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

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 824.000 MHz
-33.206 dBm

10 dB/div Log

-13.00 dBm

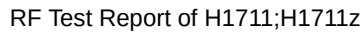
Center 824.000 MHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 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

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 06:41:57 PM May 04, 2017

Center Freq 824.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 824.000 MHz
-30.322 dBm

Center 824.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

MSG STATUS



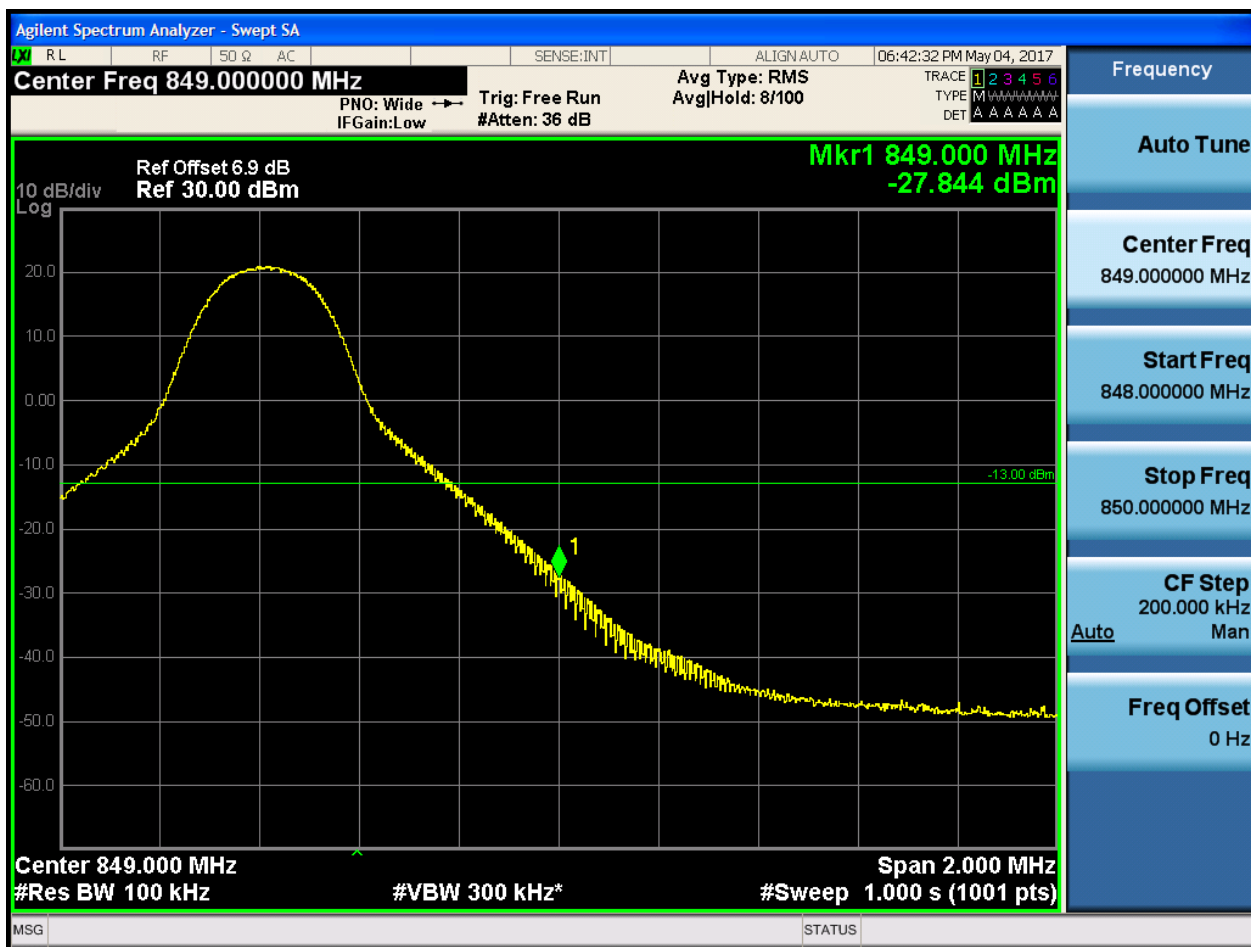
5.1.1.2.4.2 Test Channel = HCH

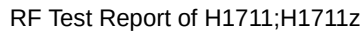
5.1.1.2.4.2.1 Test RB = RB1#0





5.1.1.2.4.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 36 dB

Avg Type: RMS
Avg/Hold: 8/100

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

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 849.010 MHz
-33.040 dBm

The figure shows a spectrum analyzer screen with a grid. The vertical axis is labeled 'Log' and ranges from -60.0 to 20.0 dB/div. The horizontal axis represents frequency. A yellow trace shows a signal level around -30 dBm. A green marker labeled '1' is placed on the trace at 849.010 MHz, indicating a power level of -33.040 dBm. The background is black with white grid lines.

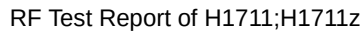
Center 849.000 MHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 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 <u>Auto</u> Man
Freq Offset 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:43:00 PM May 04, 2017

Center Freq 849.000000 MHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

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

Ref Offset 6.9 dB
Ref 30.00 dBm

Mkr1 849.010 MHz
-30.108 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 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

6Appendix_F: Spurious Emission at Antenna Terminal

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

Part I - Test Plots

6.1 For LTE

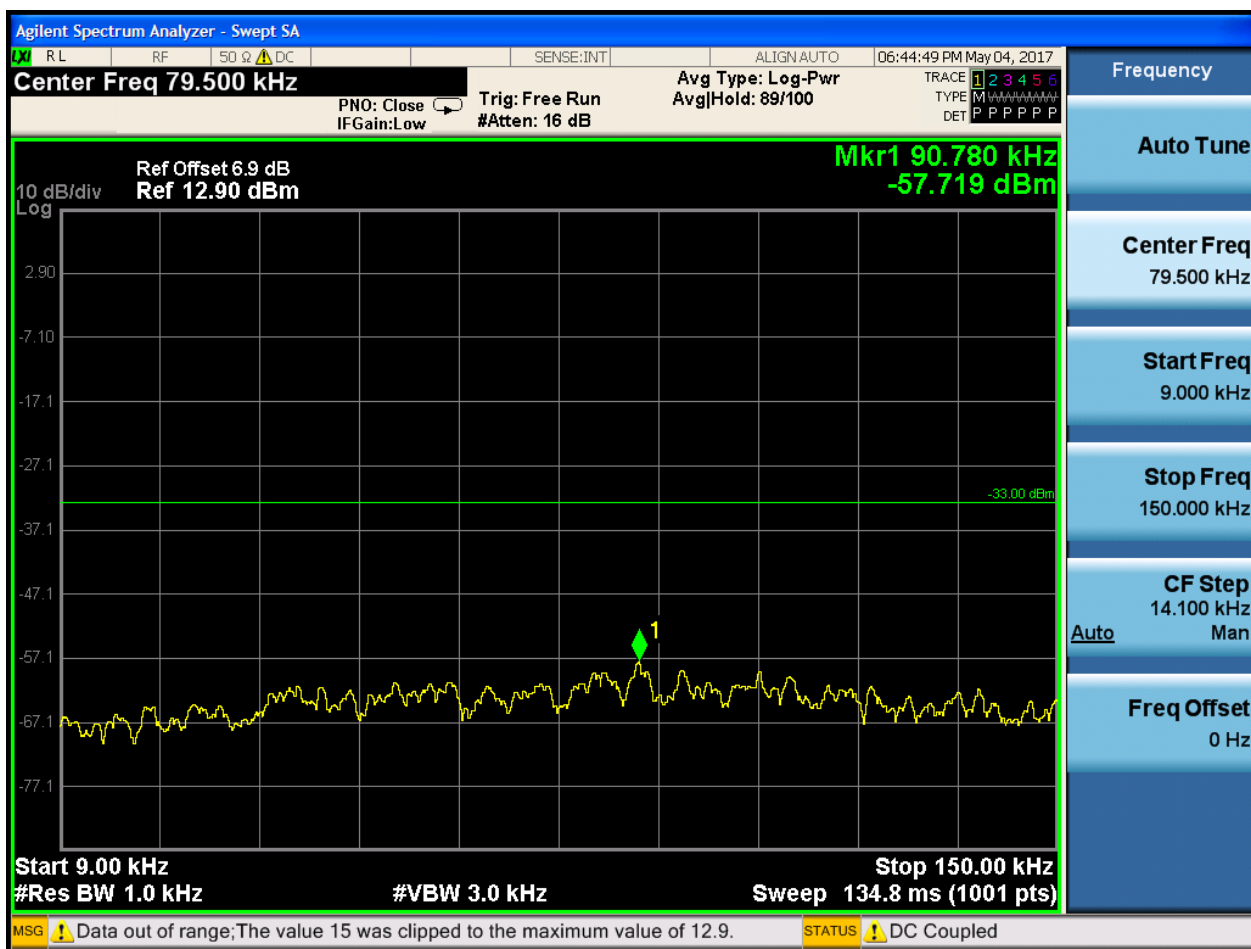
6.1.1 Test Band = BAND5

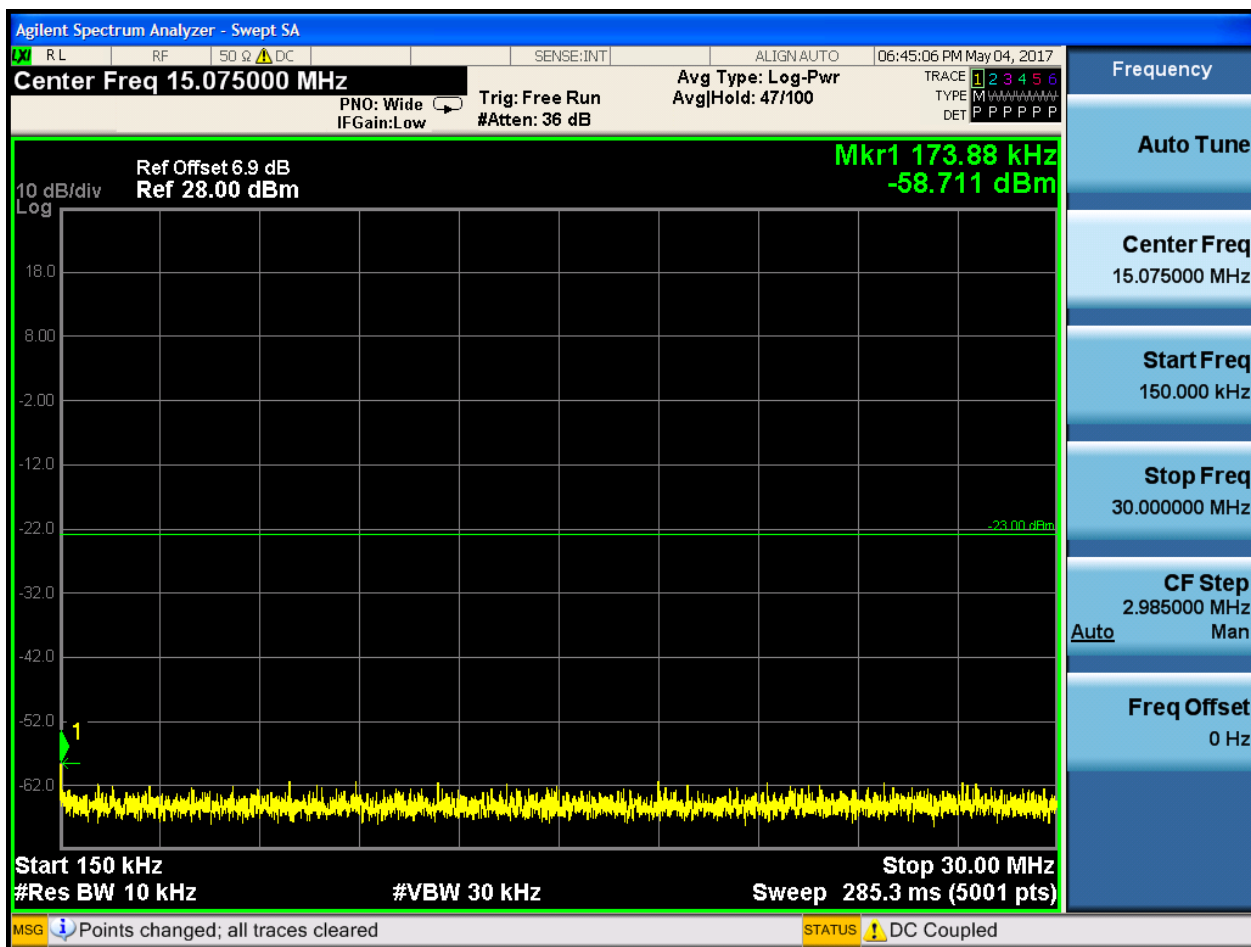
6.1.1.1 Test Mode = LTE/TM1

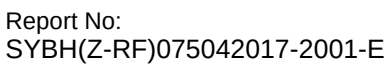
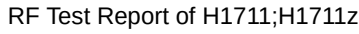
6.1.1.1.1 Test Bandwidth = 1.4

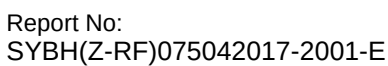
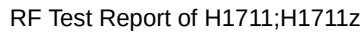
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0





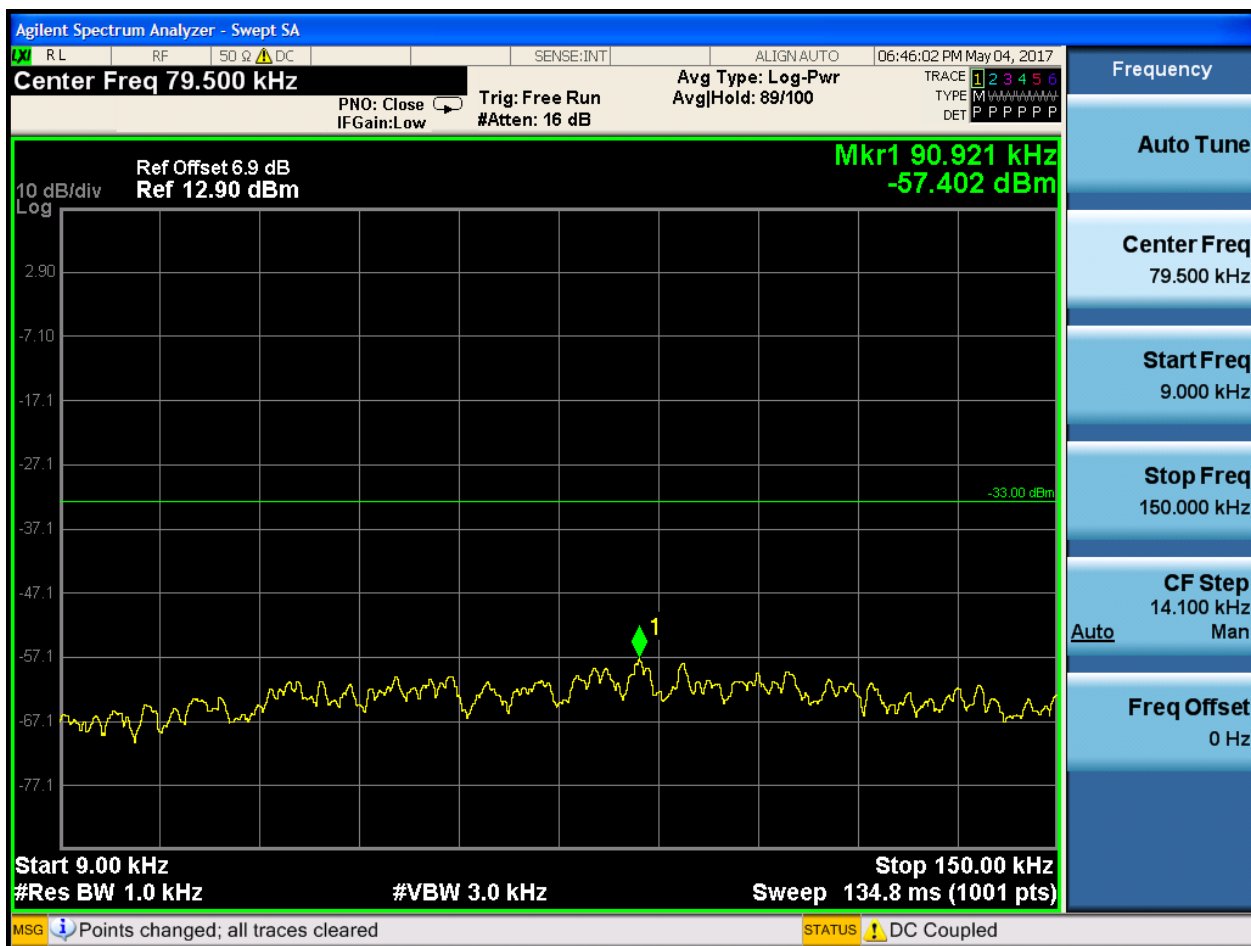


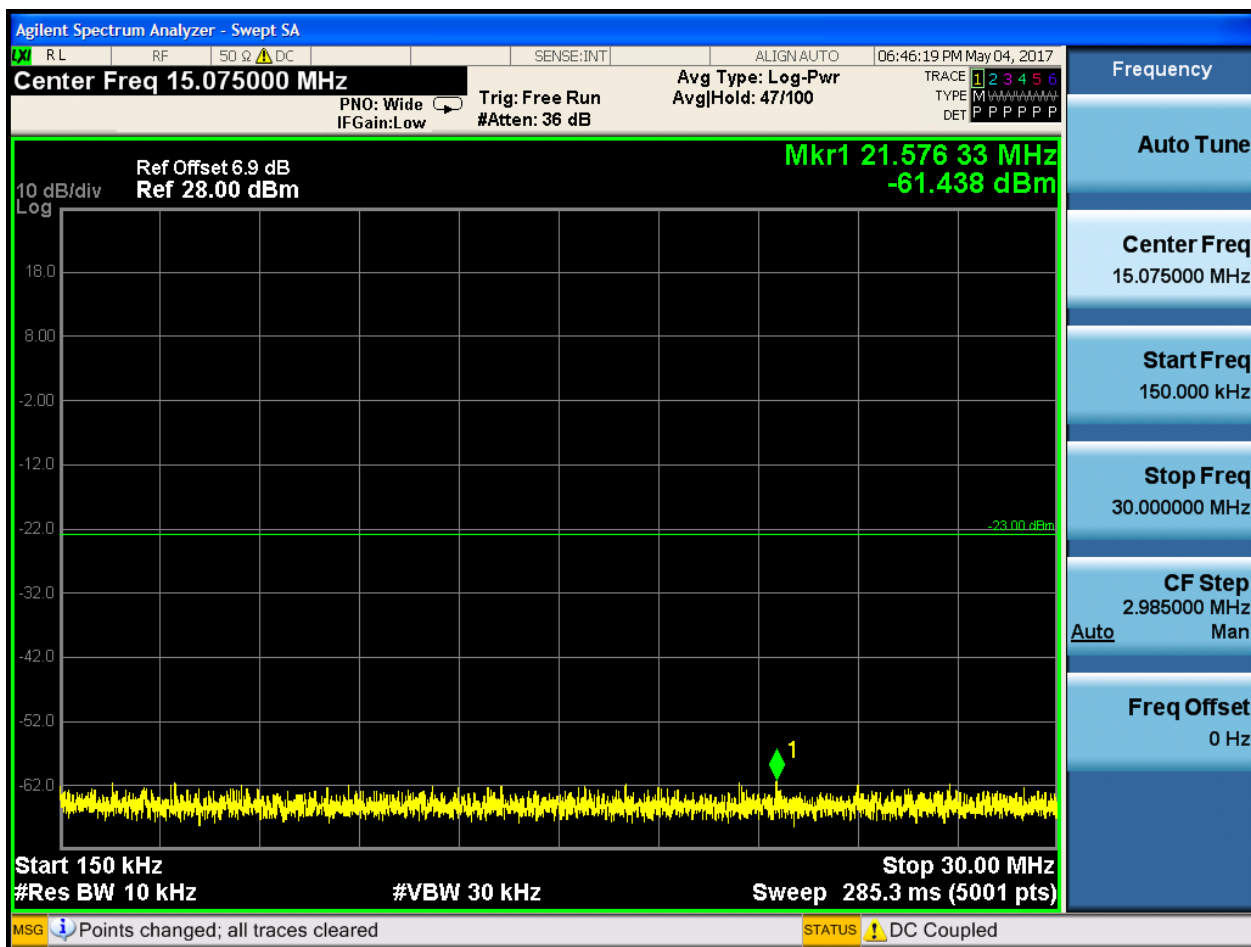


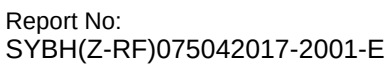
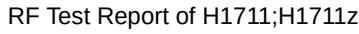


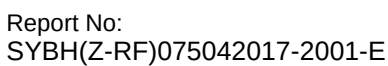
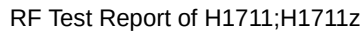
6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0











6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0

