



Appendix for test report

1 Appendix_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	22.53	14.38	50	PASS
				RB1#3	22.93	14.78	50	PASS
				RB1#5	22.82	14.67	50	PASS
				RB3#0	22.59	14.44	50	PASS
				RB3#2	22.86	14.71	50	PASS
				RB3#3	22.88	14.73	50	PASS
			MCH	RB6#0	21.56	13.41	50	PASS
				RB1#0	22.53	14.38	50	PASS
				RB1#3	22.74	14.59	50	PASS
				RB1#5	22.66	14.51	50	PASS
				RB3#0	22.58	14.43	50	PASS
				RB3#2	22.68	14.53	50	PASS
			RB3#3	22.69	14.54	50	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB6#0	21.63	13.48	50	PASS	
			HCH	RB1#0	22.82	14.67	50	PASS	
				RB1#3	23.04	14.89	50	PASS	
				RB1#5	23.02	14.87	50	PASS	
				RB3#0	22.97	14.82	50	PASS	
				RB3#2	23.02	14.87	50	PASS	
				RB3#3	23.02	14.87	50	PASS	
				RB6#0	21.94	13.79	50	PASS	
		3		LCH	RB1#0	22.26	14.11	50	PASS
			RB1#7		23.07	14.92	50	PASS	
			RB1#14		22.58	14.43	50	PASS	
			RB8#0		21.55	13.4	50	PASS	
			RB8#4		21.78	13.63	50	PASS	
			RB8#7		21.73	13.58	50	PASS	
			RB15#0		21.62	13.47	50	PASS	
				MCH	RB1#0	22.22	14.07	50	PASS
					RB1#7	22.72	14.57	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict		
				RB1#14	22.57	14.42	50	PASS		
				RB8#0	21.46	13.31	50	PASS		
				RB8#4	21.64	13.49	50	PASS		
				RB8#7	21.67	13.52	50	PASS		
				RB15#0	21.56	13.41	50	PASS		
			HCH	RB1#0	22.57	14.42	50	PASS		
				RB1#7	22.96	14.81	50	PASS		
				RB1#14	22.94	14.79	50	PASS		
				RB8#0	21.76	13.61	50	PASS		
				RB8#4	21.9	13.75	50	PASS		
		5	LCH	RB8#7	22.02	13.87	50	PASS		
				RB15#0	21.82	13.67	50	PASS		
				RB1#0	22.7	14.55	50	PASS		
				RB1#13	23.54	15.39	50	PASS		
				RB1#24	22.88	14.73	50	PASS		
						RB12#0	22.07	13.92	50	PASS
						RB12#6	22.23	14.08	50	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict			
				RB12#13	21.99	13.84	50	PASS			
				RB25#0	22.08	13.93	50	PASS			
			MCH	RB1#0	22.86	14.71	50	PASS			
				RB1#13	23.5	15.35	50	PASS			
				RB1#24	23.13	14.98	50	PASS			
				RB12#0	21.95	13.8	50	PASS			
				RB12#6	22.22	14.07	50	PASS			
				RB12#13	22.12	13.97	50	PASS			
				RB25#0	22.02	13.87	50	PASS			
				HCH	RB1#0	22.85	14.7	50	PASS		
			RB1#13		23.75	15.6	50	PASS			
			RB1#24		23.19	15.04	50	PASS			
			RB12#0		22.23	14.08	50	PASS			
			RB12#6		22.67	14.52	50	PASS			
			RB12#13		22.46	14.31	50	PASS			
							RB25#0	22.53	14.38	50	PASS
					10	LCH/	RB1#0	22.93	14.78	50	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH/ HCH	RB1#25	23.5	15.35	50	PASS
				RB1#49	23.66	15.51	50	PASS
				RB25#0	21.92	13.77	50	PASS
				RB25#13	22.04	13.89	50	PASS
				RB25#25	22.28	14.13	50	PASS
				RB50#0	22.12	13.97	50	PASS
	LTE/TM2	1.4	LCH	RB1#0	21.3	13.15	50	PASS
				RB1#3	21.76	13.61	50	PASS
				RB1#5	21.85	13.7	50	PASS
				RB3#0	21.35	13.2	50	PASS
				RB3#2	21.72	13.57	50	PASS
				RB3#3	21.76	13.61	50	PASS
				RB6#0	20.59	12.44	50	PASS
			MCH	RB1#0	21.75	13.6	50	PASS
				RB1#3	21.98	13.83	50	PASS
				RB1#5	21.7	13.55	50	PASS
RB3#0	21.56	13.41		50	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB3#2	21.78	13.63	50	PASS
				RB3#3	21.66	13.51	50	PASS
				RB6#0	20.72	12.57	50	PASS
			HCH	RB1#0	21.94	13.79	50	PASS
				RB1#3	22.14	13.99	50	PASS
				RB1#5	22.21	14.06	50	PASS
				RB3#0	21.95	13.8	50	PASS
				RB3#2	21.98	13.83	50	PASS
				RB3#3	22	13.85	50	PASS
		RB6#0	21.07	12.92	50	PASS		
		3	LCH	RB1#0	21.21	13.06	50	PASS
				RB1#7	22.03	13.88	50	PASS
				RB1#14	21.72	13.57	50	PASS
				RB8#0	20.59	12.44	50	PASS
				RB8#4	20.83	12.68	50	PASS
RB8#7	20.79			12.64	50	PASS		
RB15#0	20.65	12.5	50	PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.55	13.4	50	PASS
				RB1#7	22.04	13.89	50	PASS
				RB1#14	21.92	13.77	50	PASS
				RB8#0	20.51	12.36	50	PASS
				RB8#4	20.69	12.54	50	PASS
				RB8#7	20.73	12.58	50	PASS
				RB15#0	20.65	12.5	50	PASS
			HCH	RB1#0	21.62	13.47	50	PASS
				RB1#7	21.92	13.77	50	PASS
				RB1#14	21.96	13.81	50	PASS
				RB8#0	20.9	12.75	50	PASS
				RB8#4	21	12.85	50	PASS
				RB8#7	21.13	12.98	50	PASS
				RB15#0	20.93	12.78	50	PASS
		5	LCH	RB1#0	21.81	13.66	50	PASS
				RB1#13	22.69	14.54	50	PASS
				RB1#24	22.05	13.9	50	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#0	21.11	12.96	50	PASS
				RB12#6	21.28	13.13	50	PASS
				RB12#13	21.06	12.91	50	PASS
				RB25#0	21.1	12.95	50	PASS
			MCH	RB1#0	22.08	13.93	50	PASS
				RB1#13	22.73	14.58	50	PASS
				RB1#24	22.38	14.23	50	PASS
				RB12#0	20.97	12.82	50	PASS
				RB12#6	21.28	13.13	50	PASS
				RB12#13	21.18	13.03	50	PASS
				RB25#0	21.07	12.92	50	PASS
			HCH	RB1#0	21.92	13.77	50	PASS
				RB1#13	22.86	14.71	50	PASS
				RB1#24	22.31	14.16	50	PASS
				RB12#0	21.15	13	50	PASS
				RB12#6	21.58	13.43	50	PASS
				RB12#13	21.38	13.23	50	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.45	13.3	50	PASS
		10	LCH/ MCH/ HCH	RB1#0	21.84	13.69	50	PASS
				RB1#25	22.47	14.32	50	PASS
				RB1#49	22.49	14.34	50	PASS
				RB25#0	21.01	12.86	50	PASS
				RB25#13	21.14	12.99	50	PASS
				RB25#25	21.32	13.17	50	PASS
				RB50#0	21.07	12.92	50	PASS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Void

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

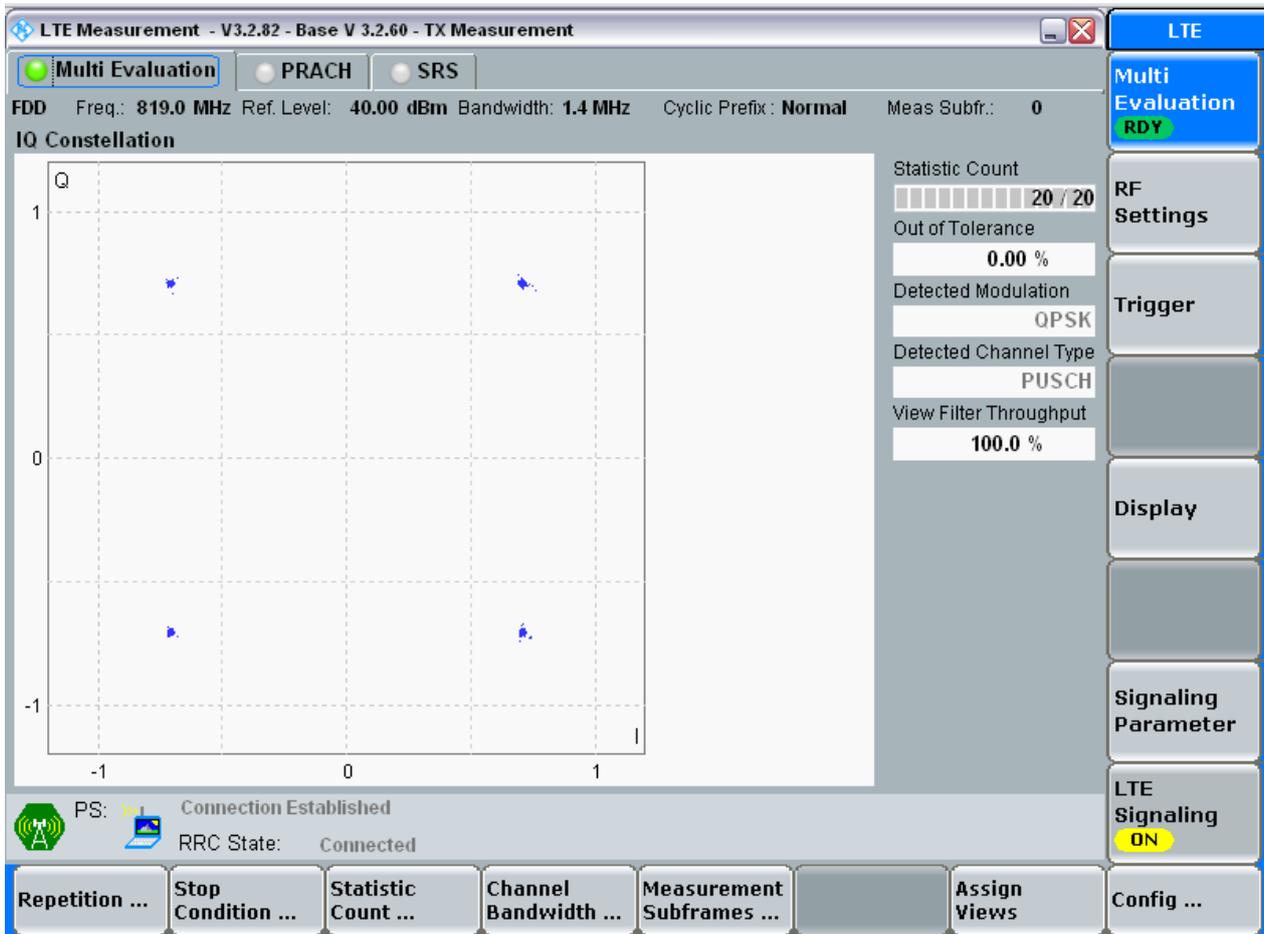
3.1.1 Test Band = BAND26

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

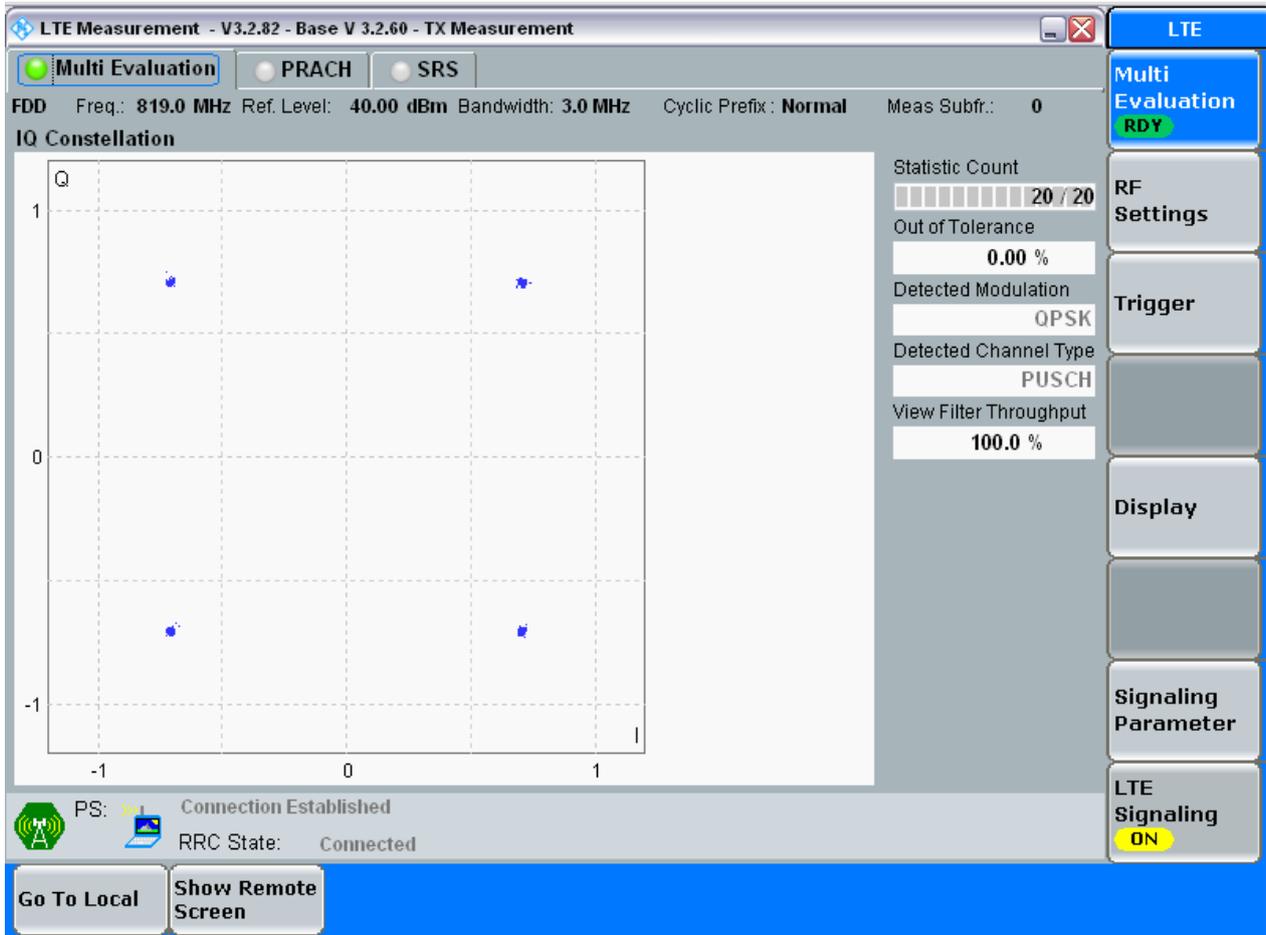
3.1.1.1.1 .1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

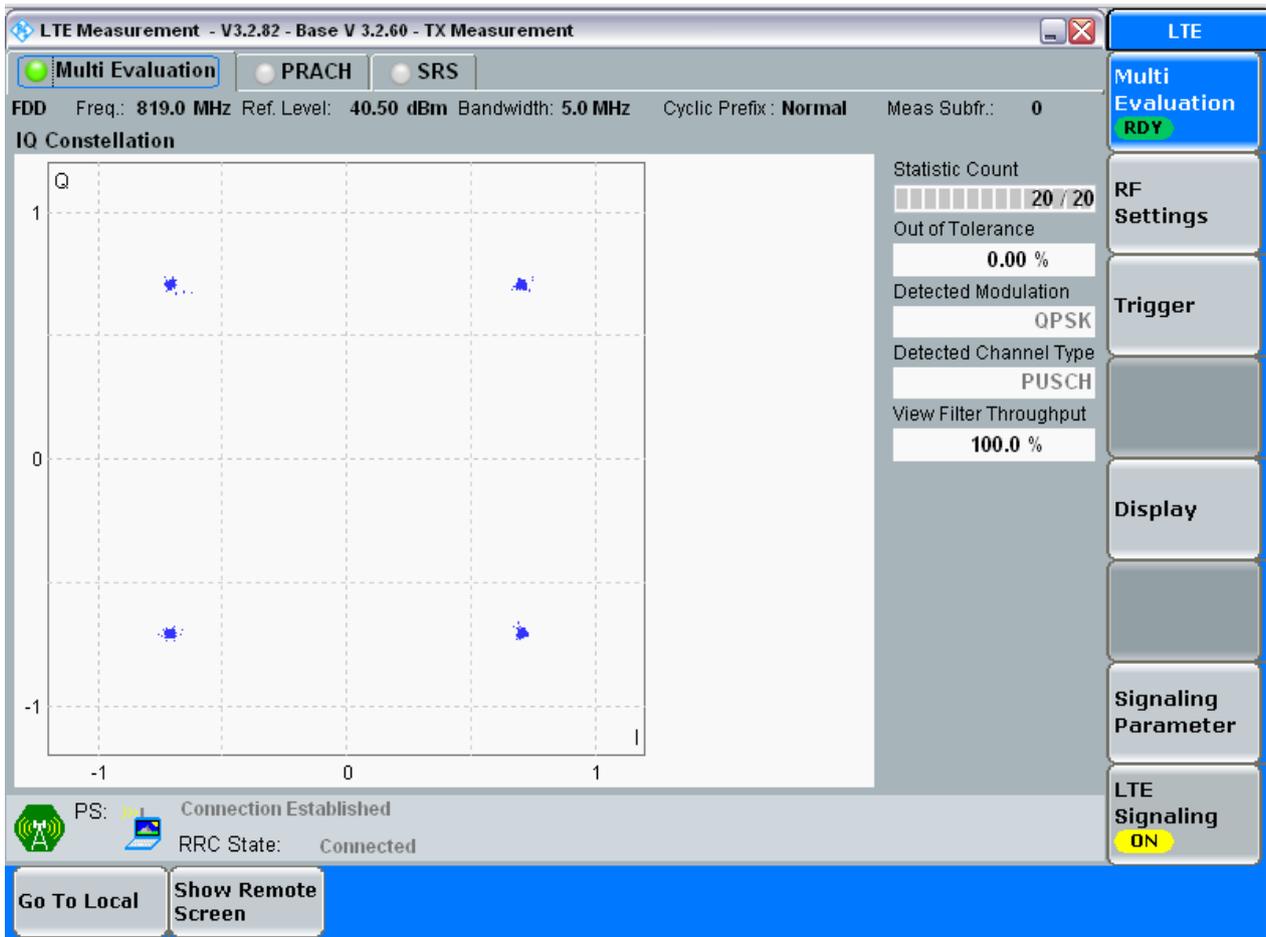
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

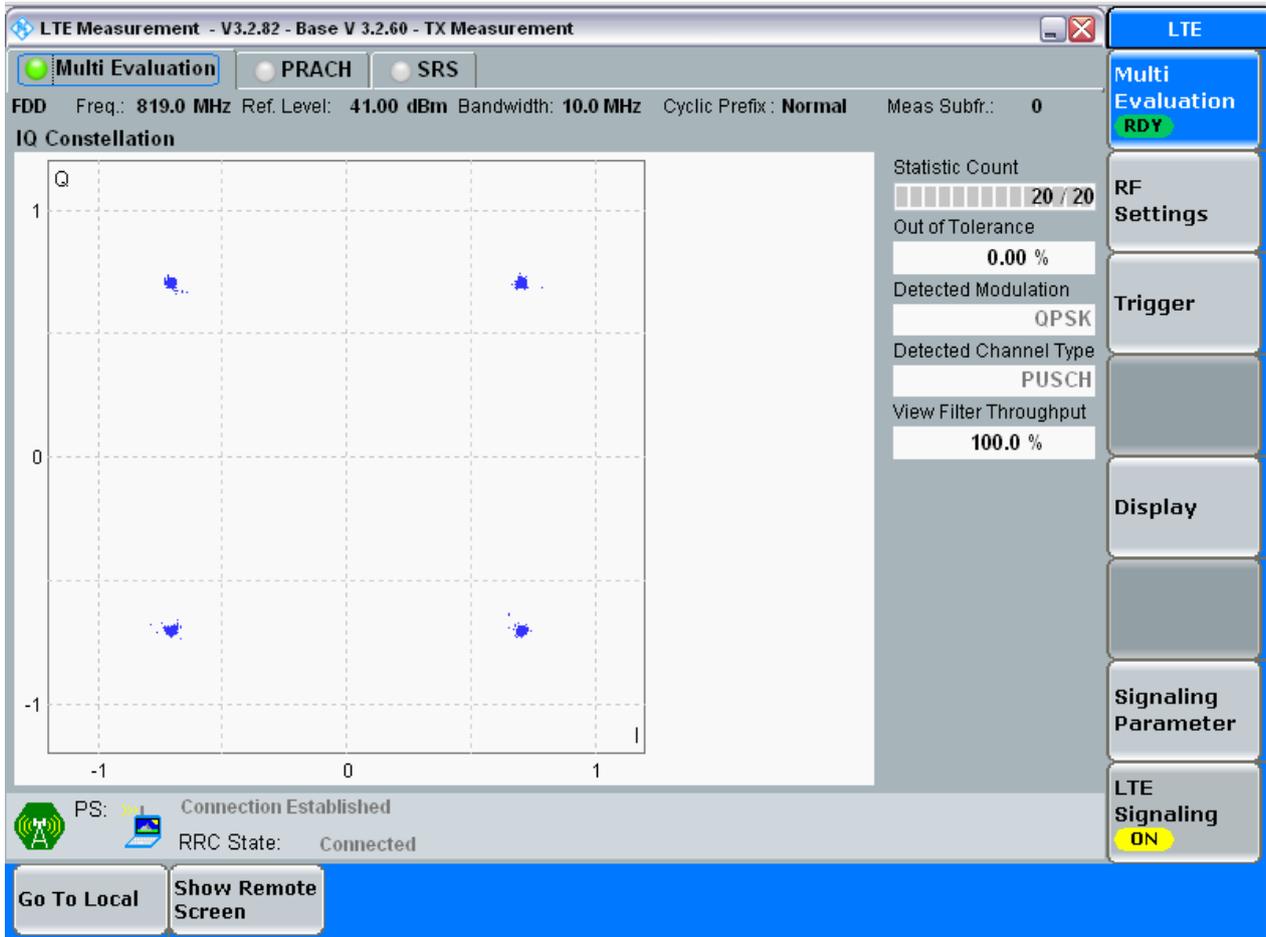
3.1.1.1.3.1.1 Test RB = RB25#0



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

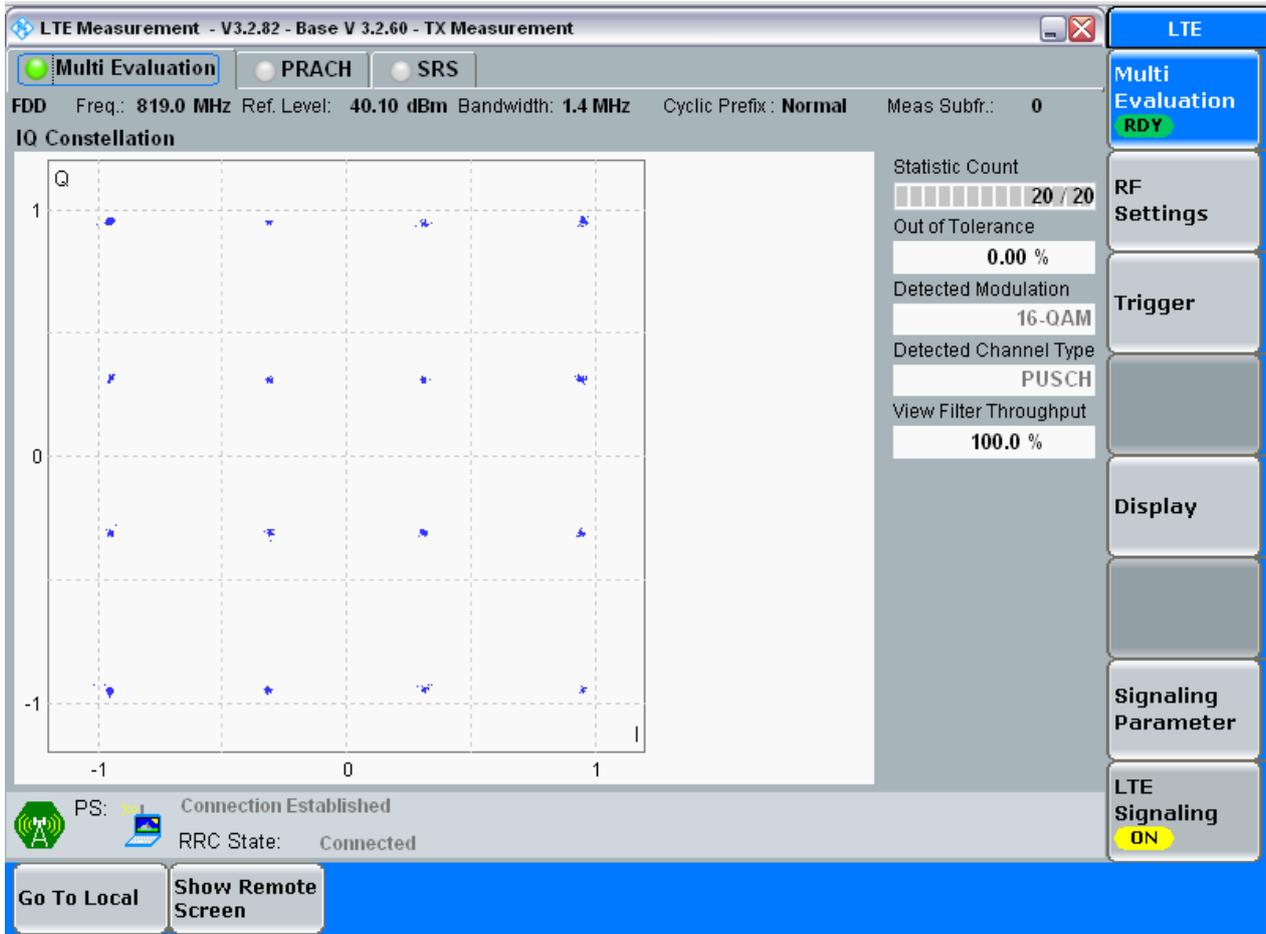


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

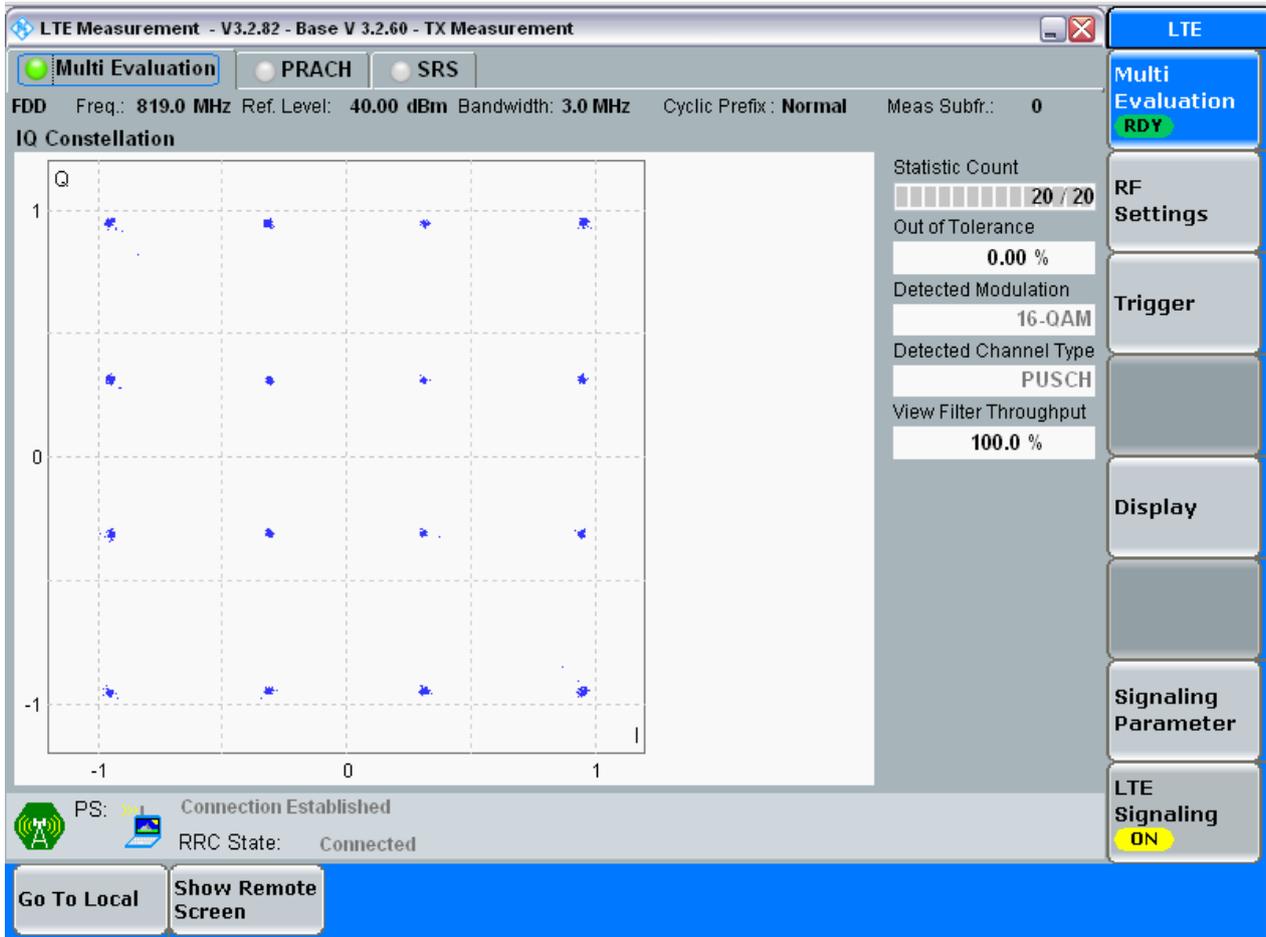
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

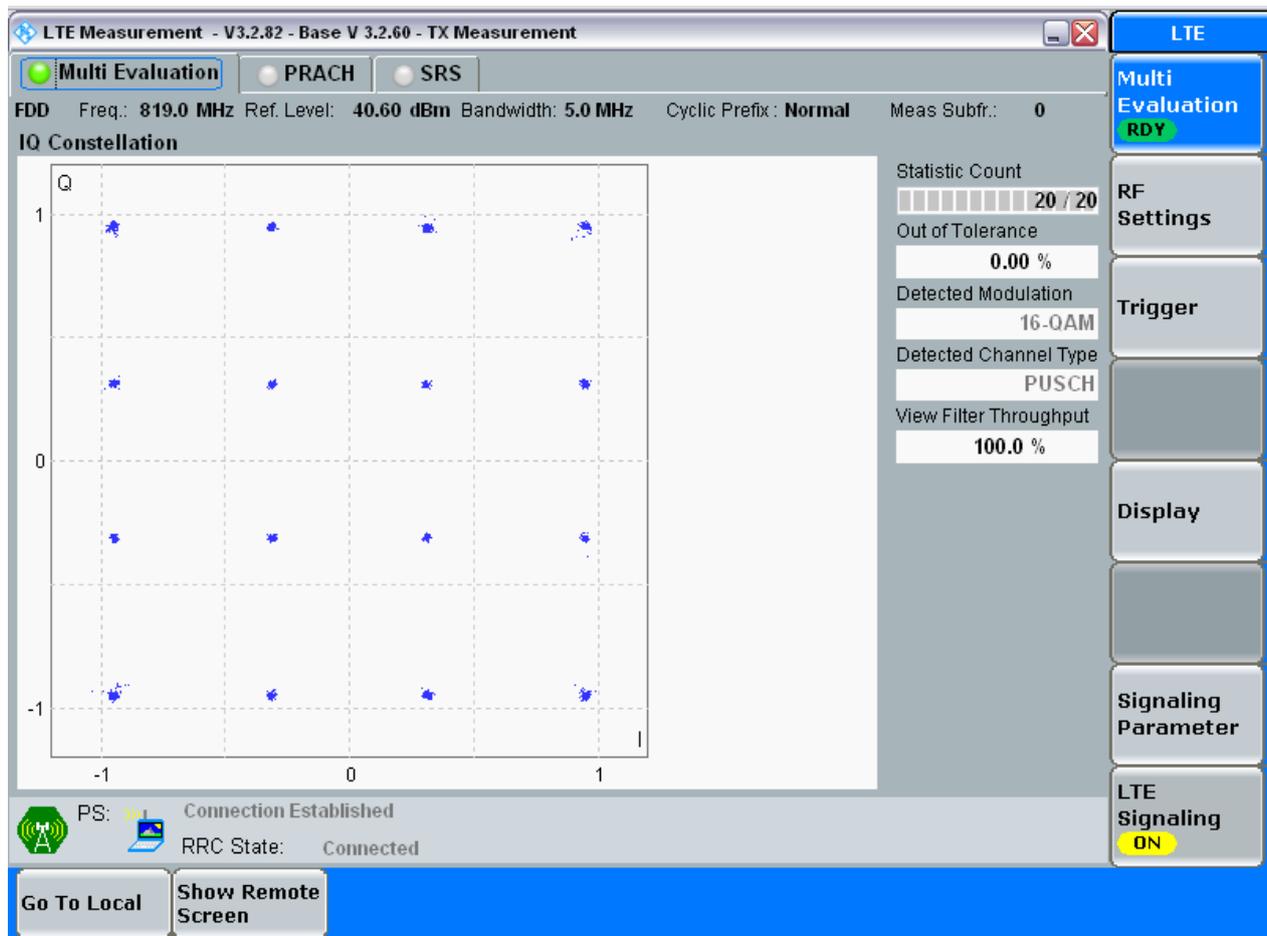
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

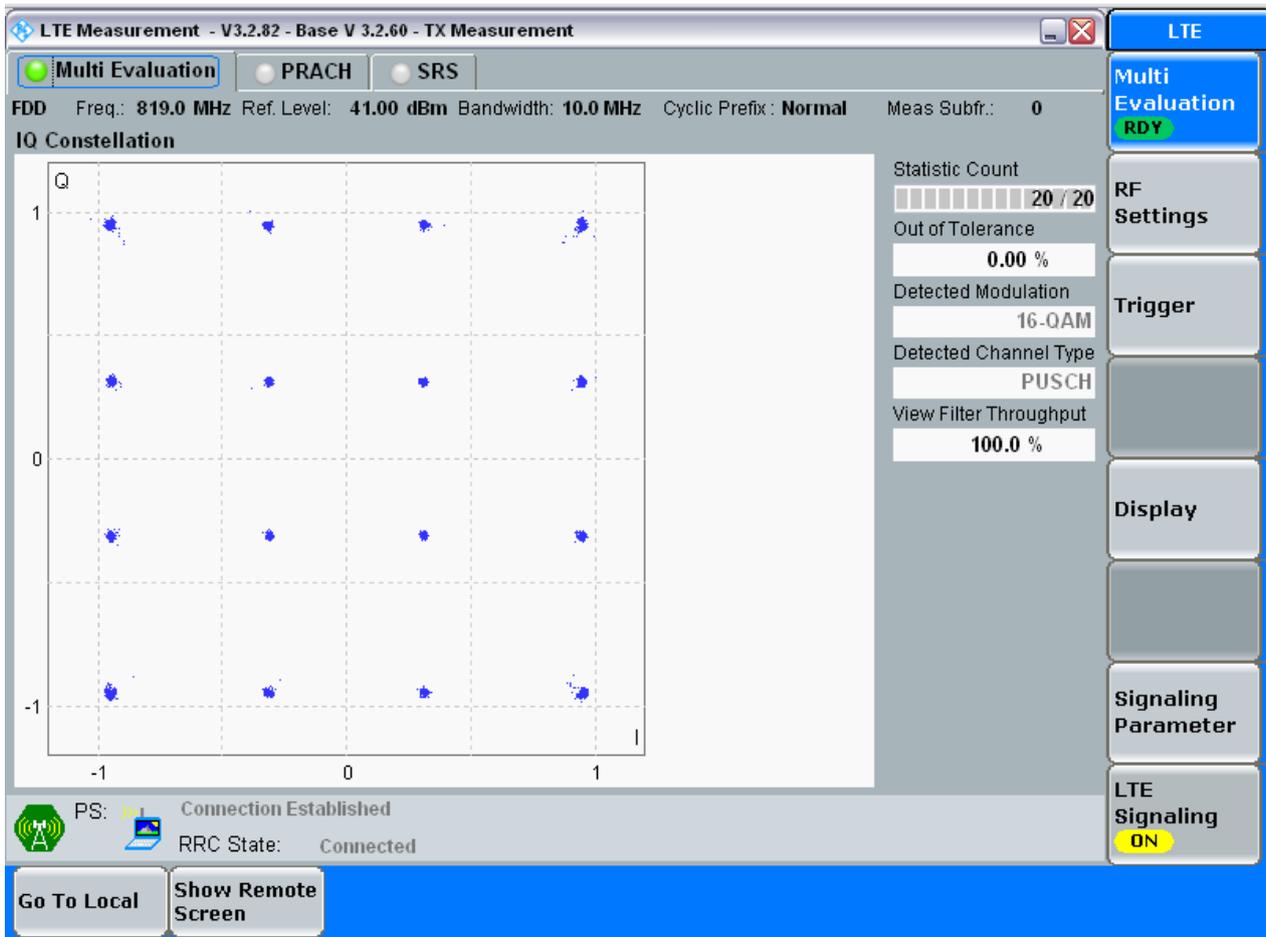
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
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	1.23	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.95	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.50	4.84	Pass
			MCH	RB25#0	4.50	4.86	Pass
			HCH	RB25#0	4.50	4.88	Pass
		10	LCH	RB50#0	9.01	9.62	Pass
			MCH	RB50#0	9.00	9.61	Pass
			HCH	RB50#0	9.00	9.65	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.22	Pass
			MCH	RB6#0	1.09	1.23	Pass
			HCH	RB6#0	1.09	1.22	Pass
		3	LCH	RB15#0	2.71	2.93	Pass
			MCH	RB15#0	2.71	2.95	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.50	4.85	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.49	4.87	Pass
		10	LCH	RB50#0	9.00	9.62	Pass
			MCH	RB50#0	9.00	9.61	Pass
			HCH	RB50#0	9.00	9.60	Pass



Part II - Test Plots

4.1 For LTE

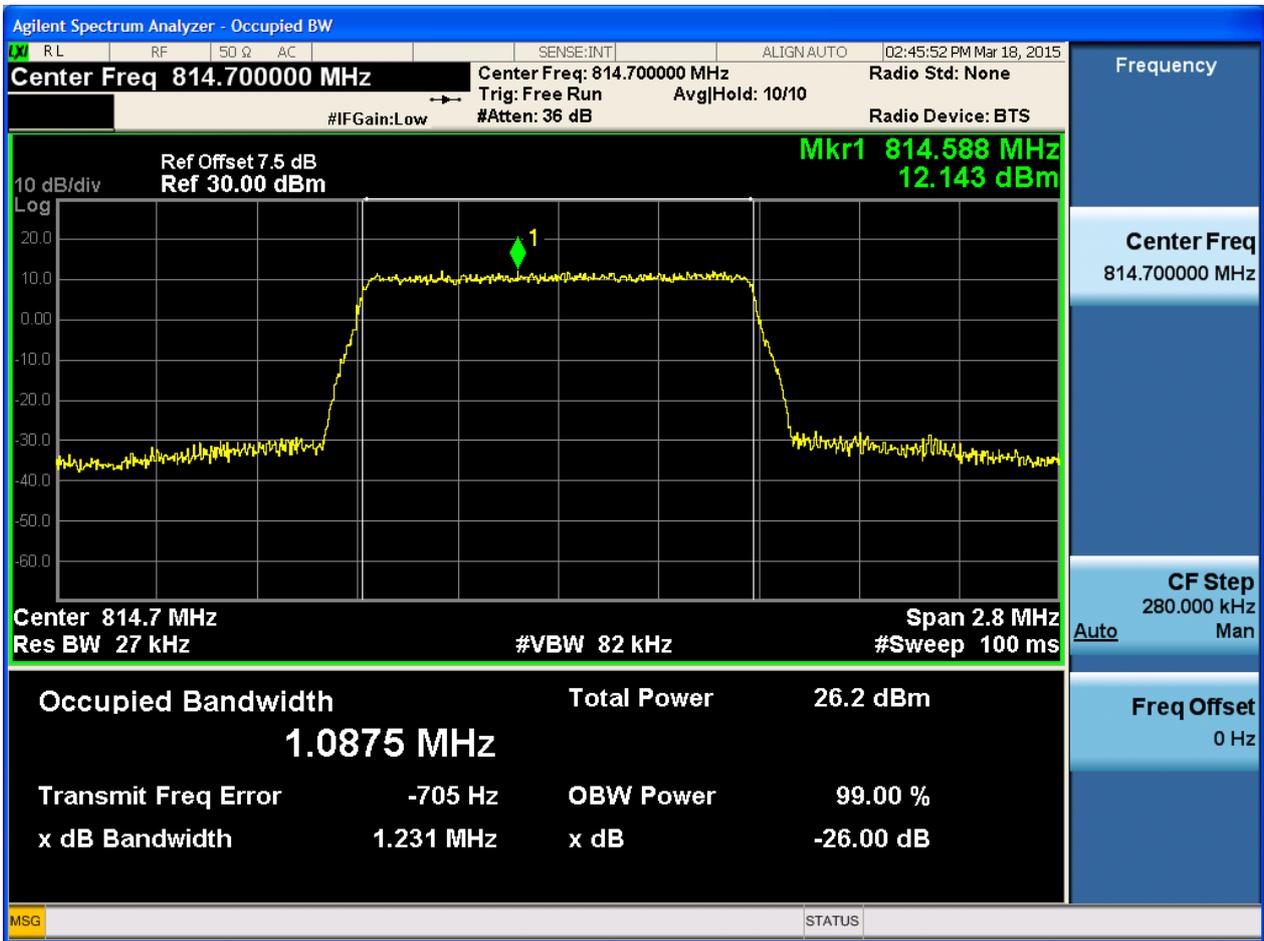
4.1.1 Test Band = BAND26

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

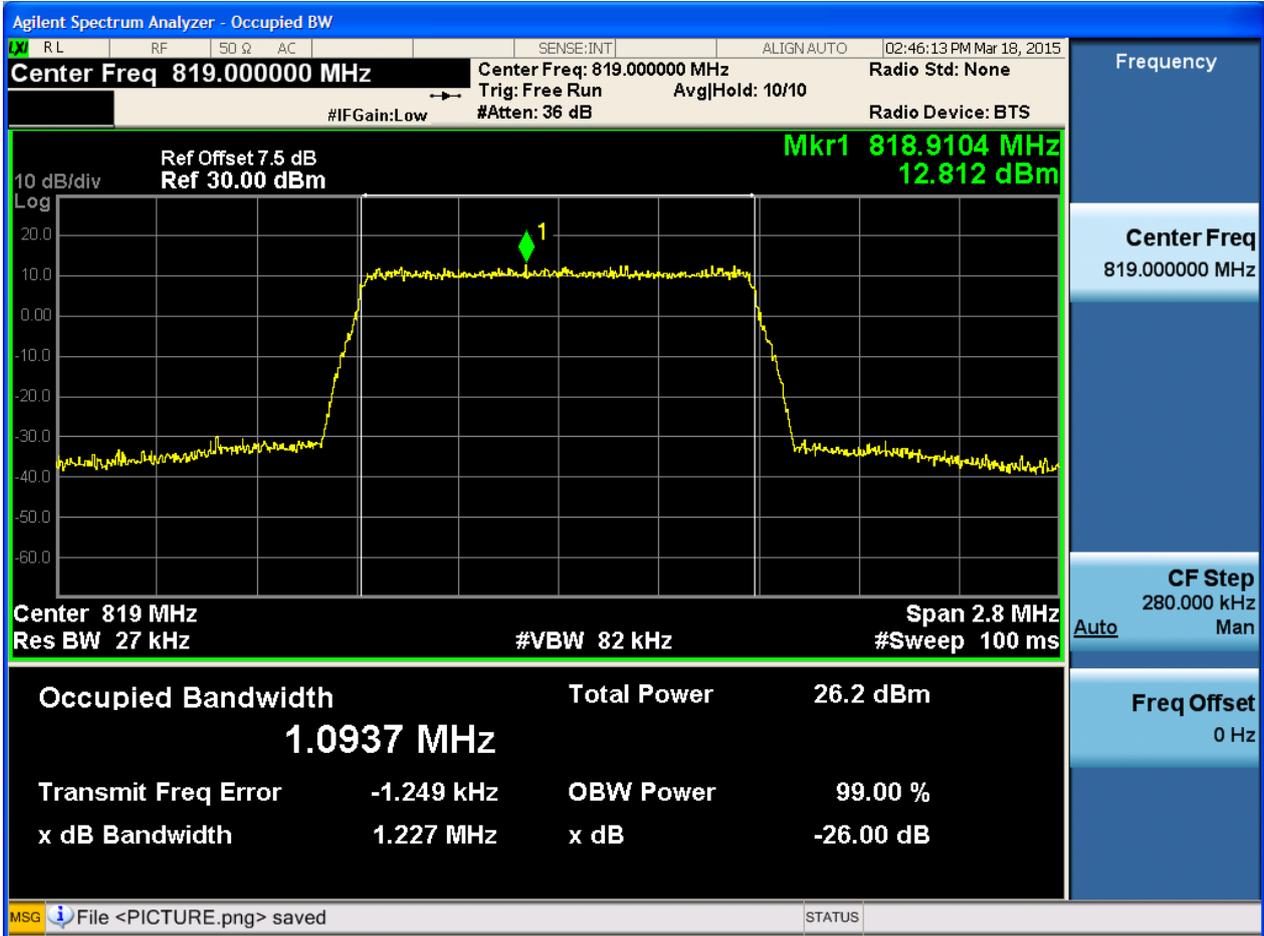
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



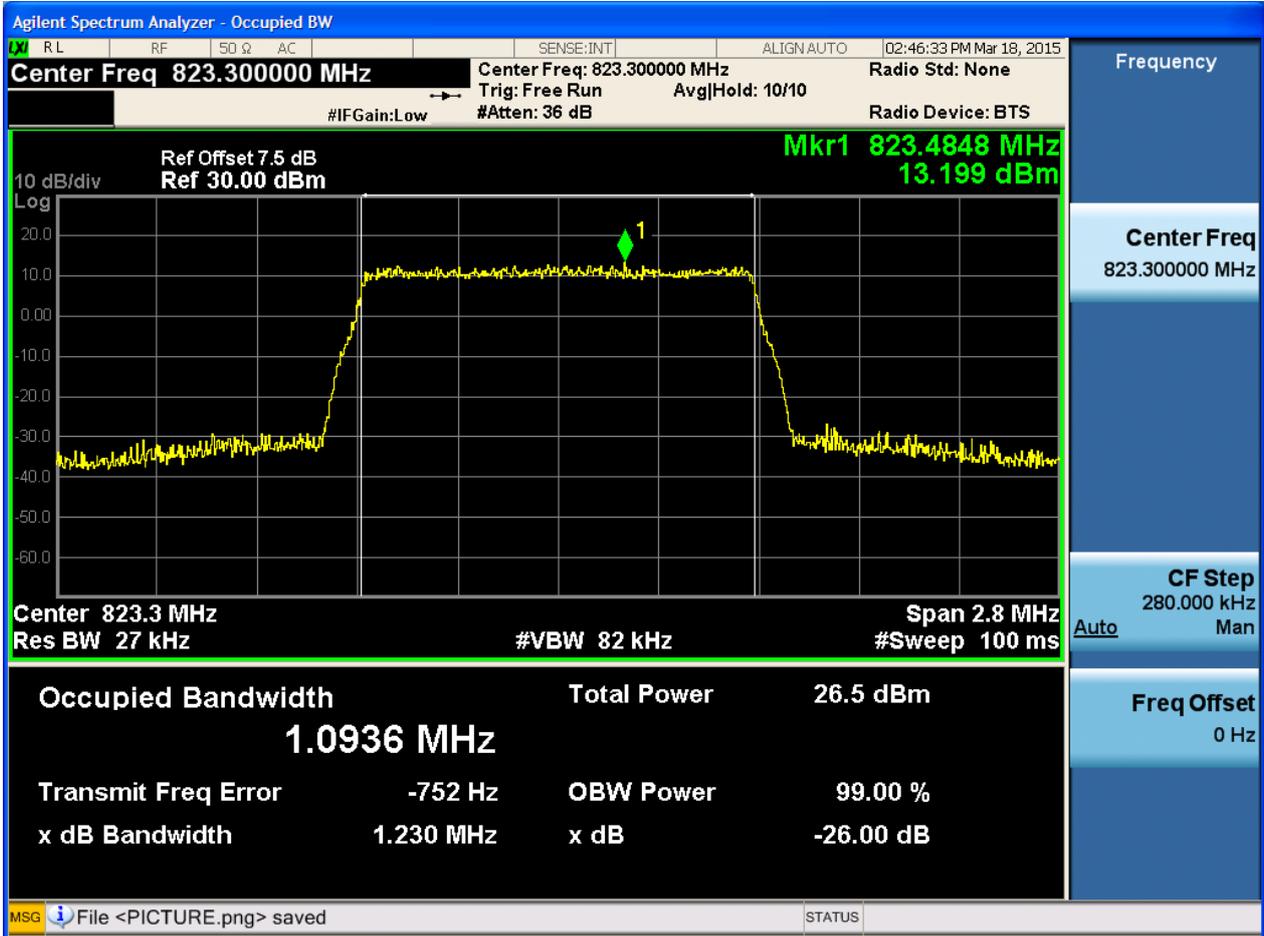
4.1.1.1.1.2 Test Channel = MCH

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

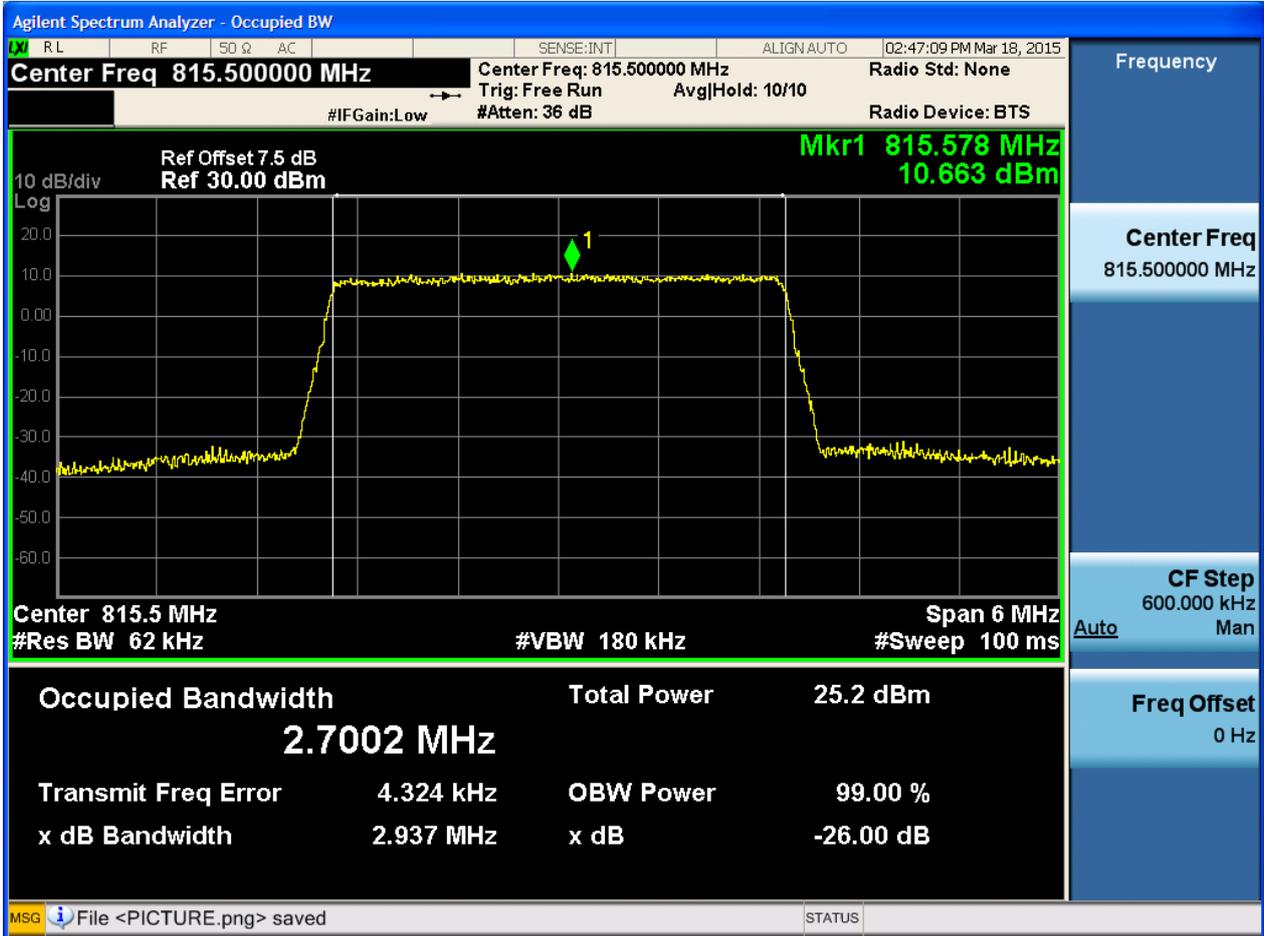




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

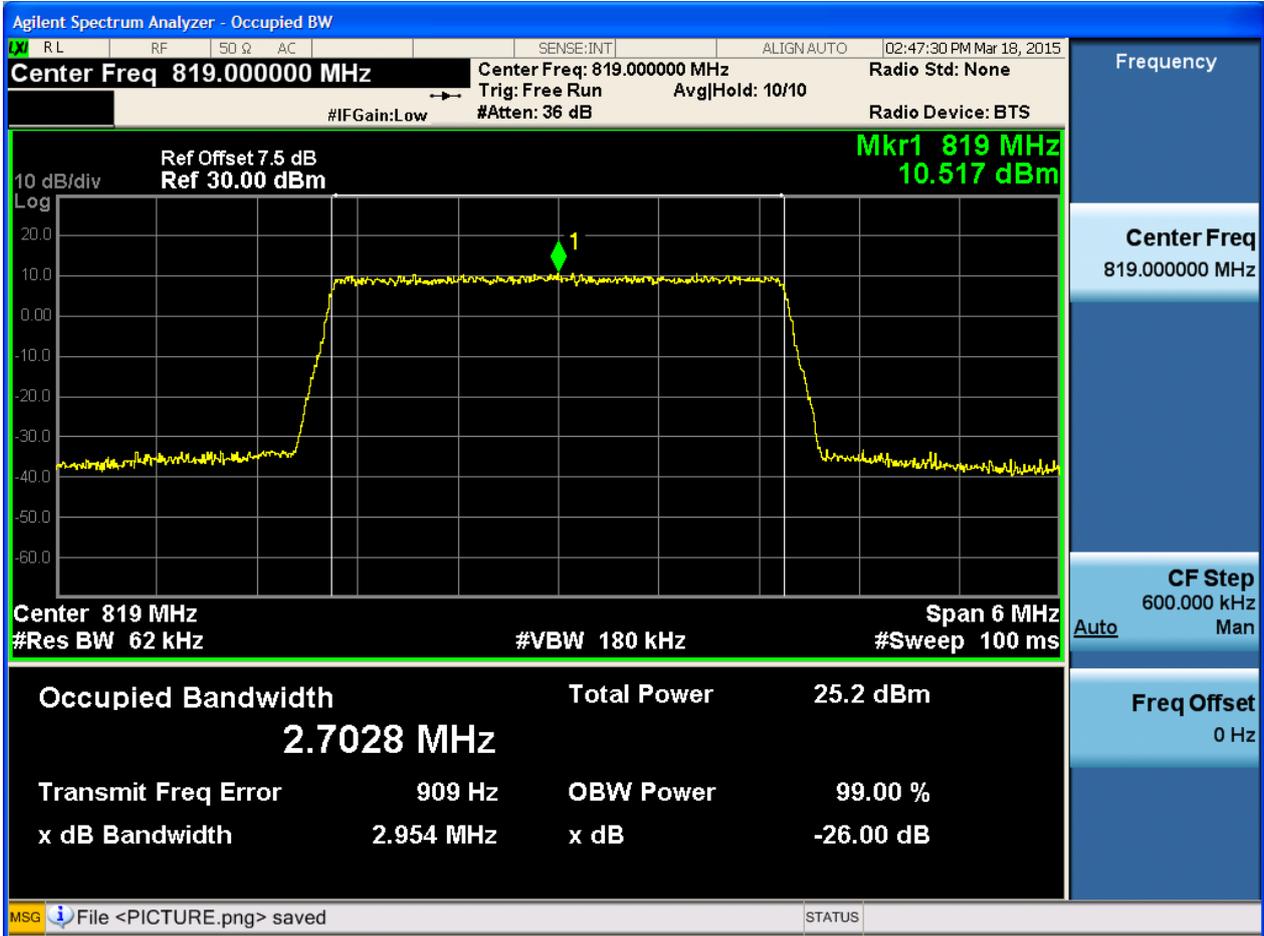
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

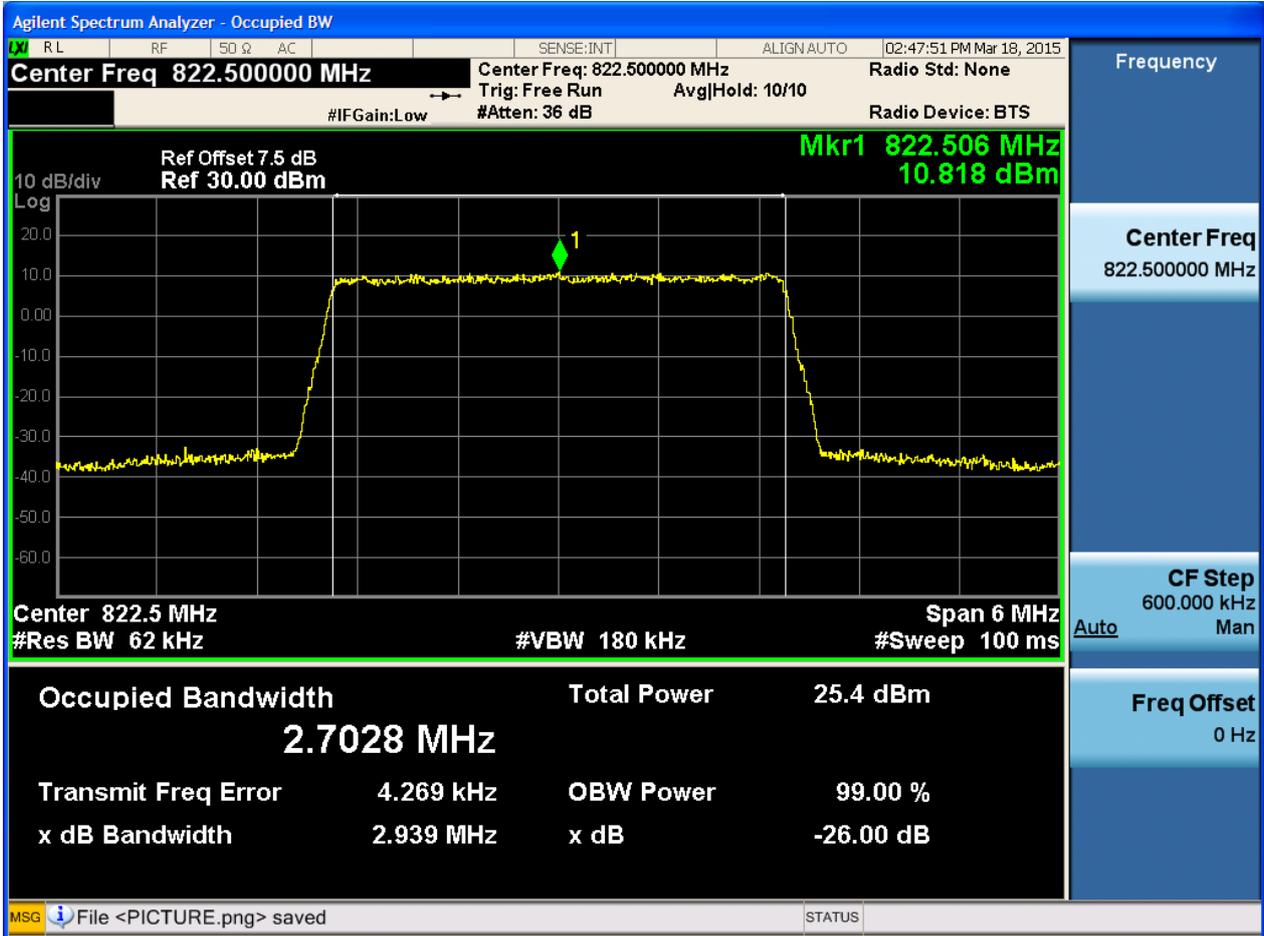
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

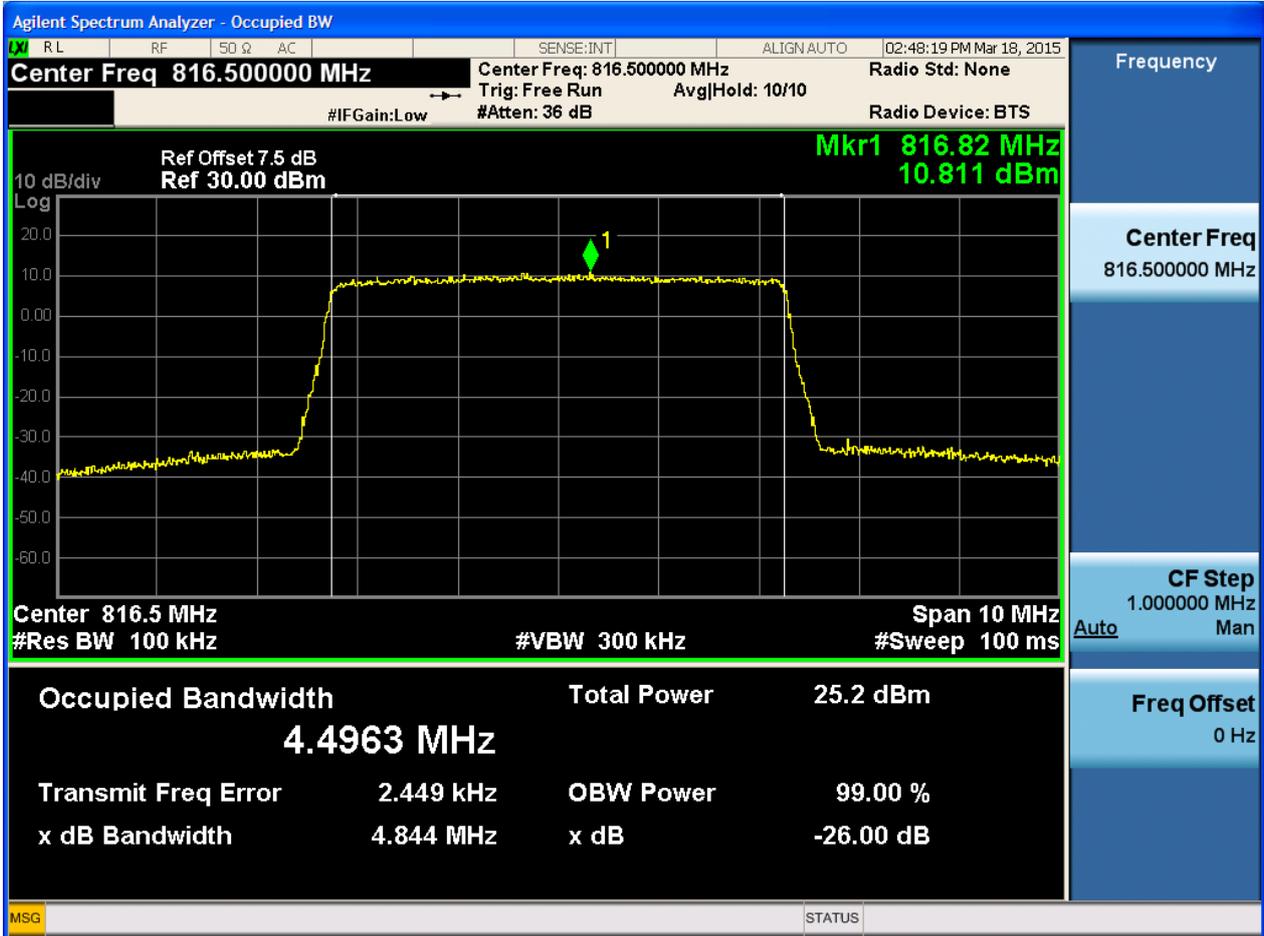




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

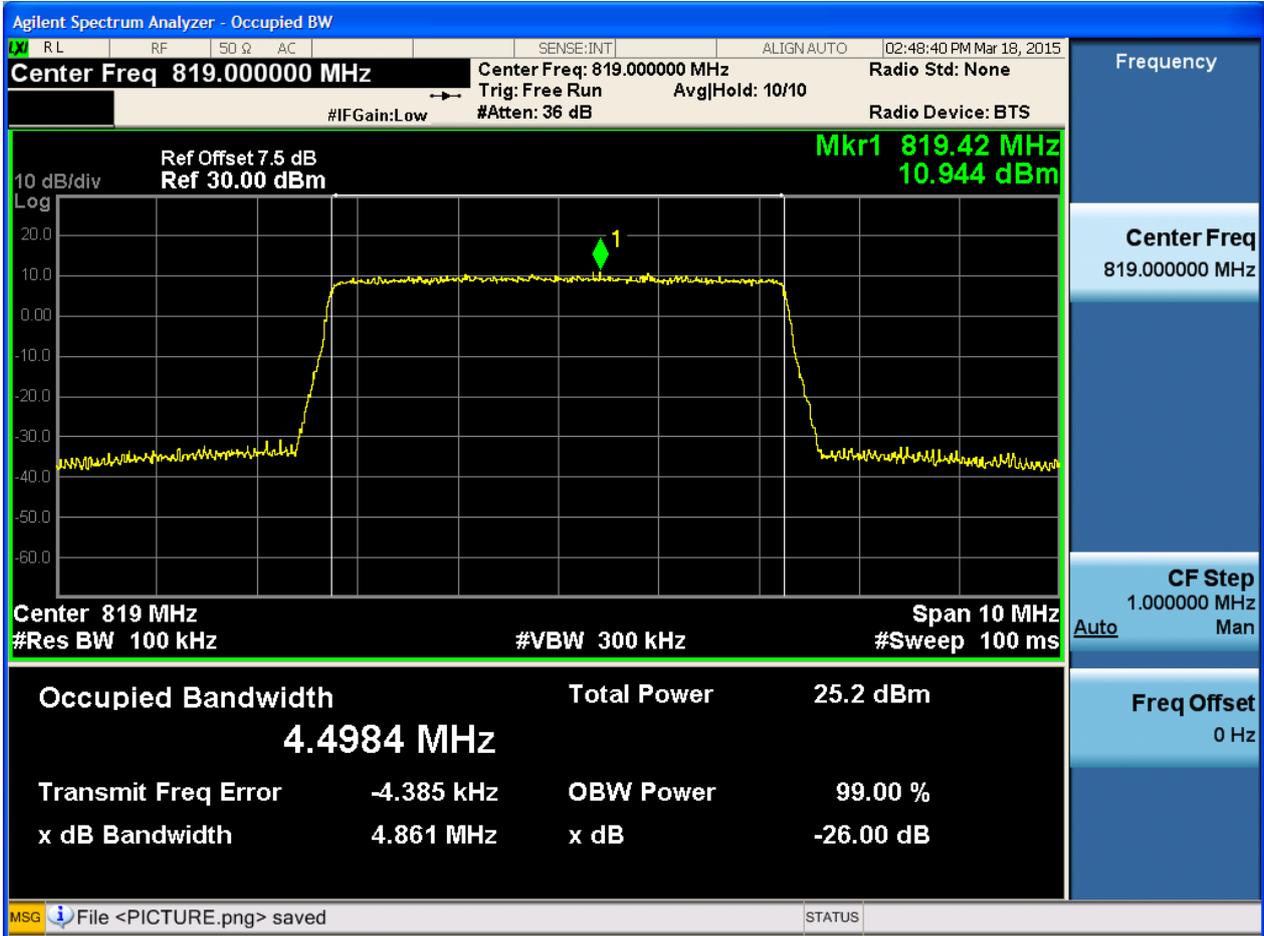
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

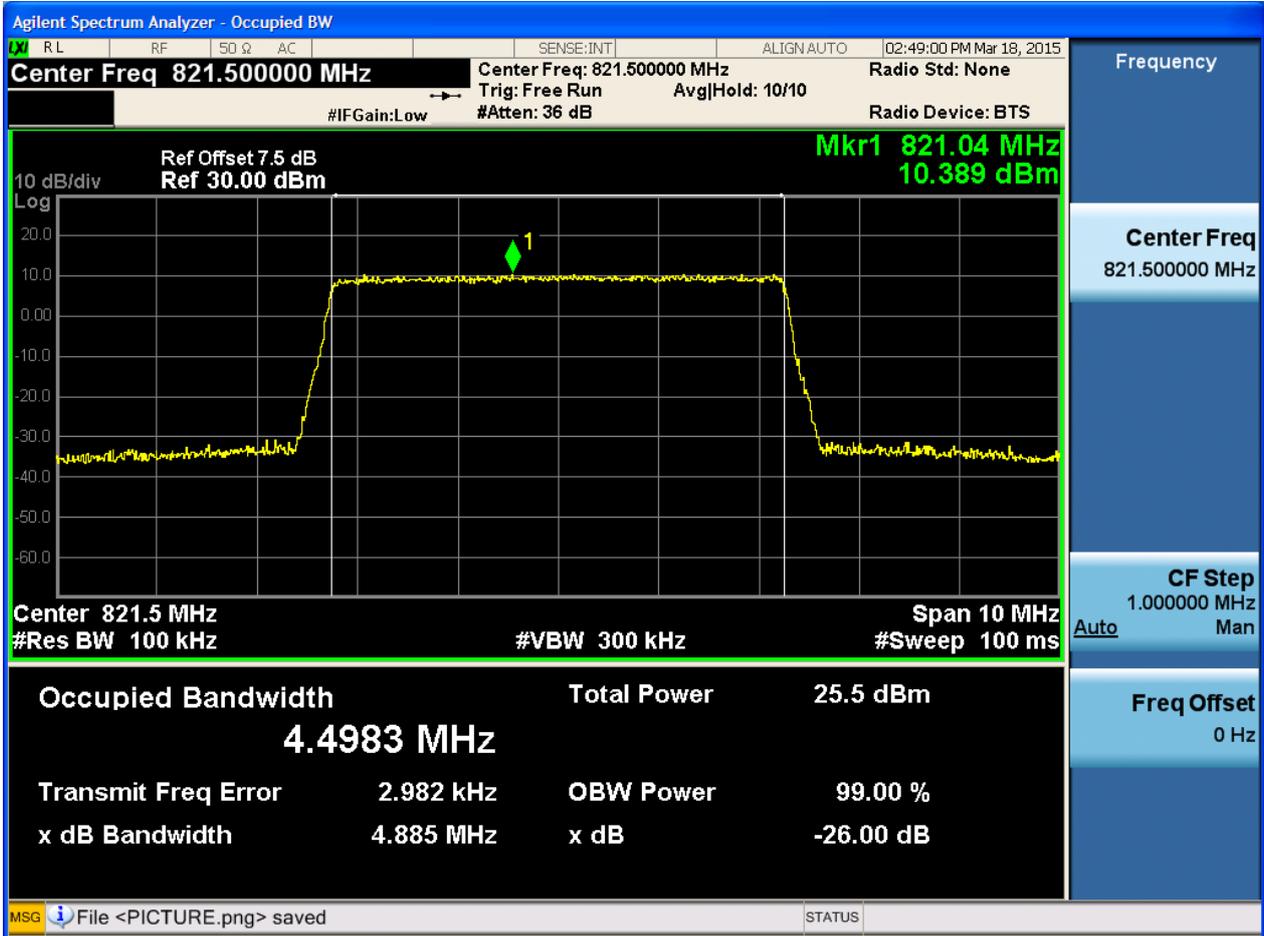
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

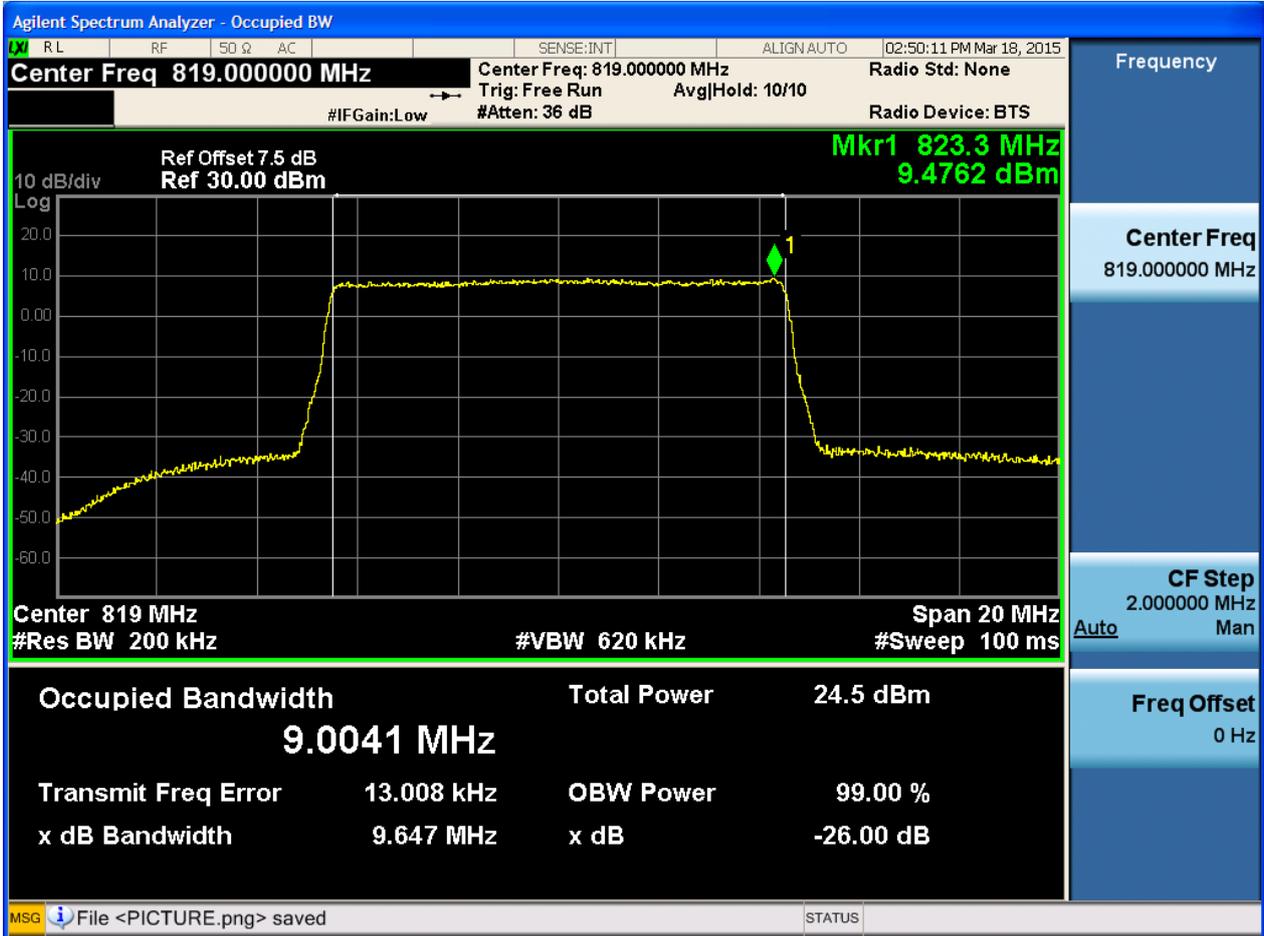




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

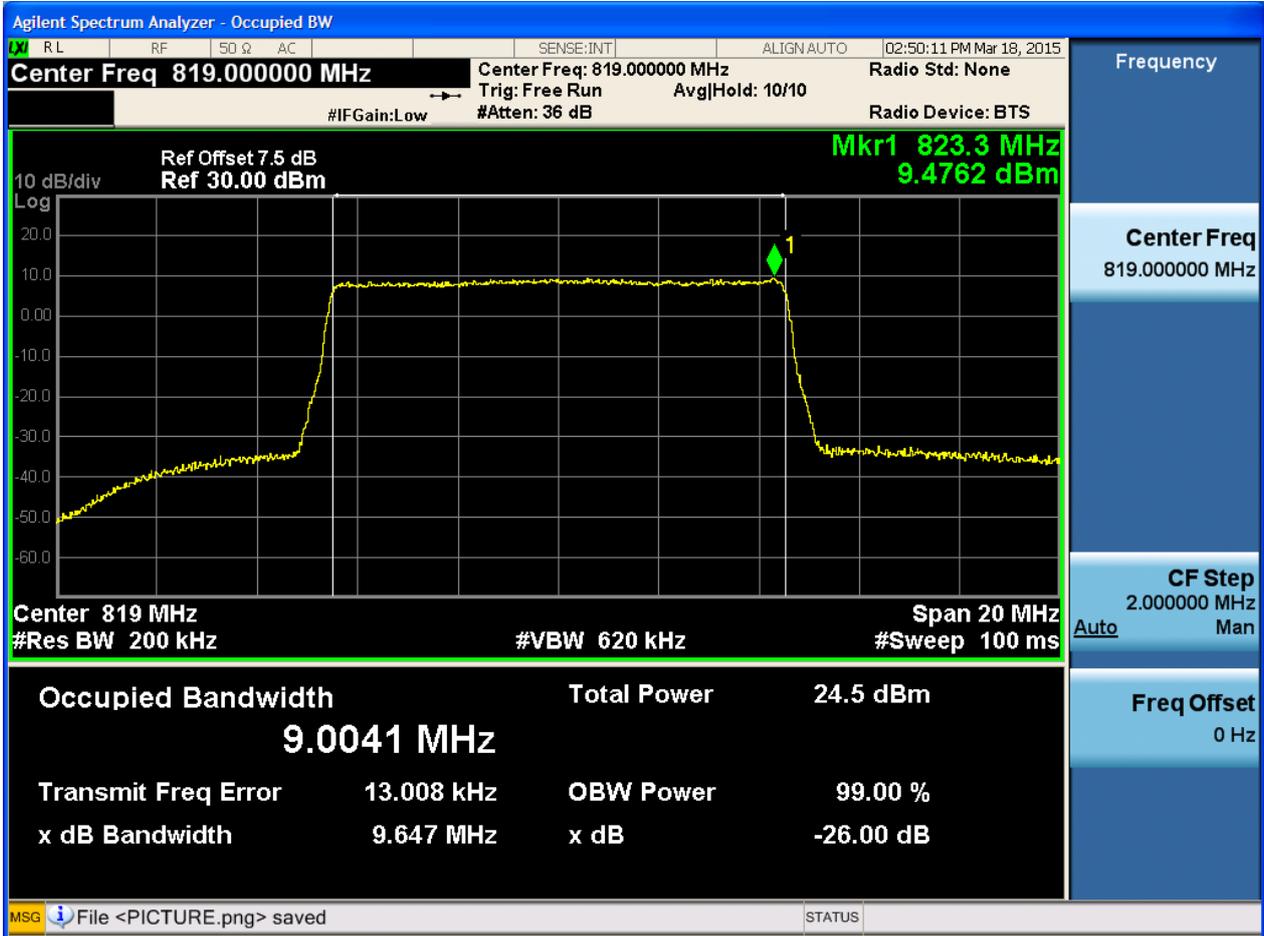
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

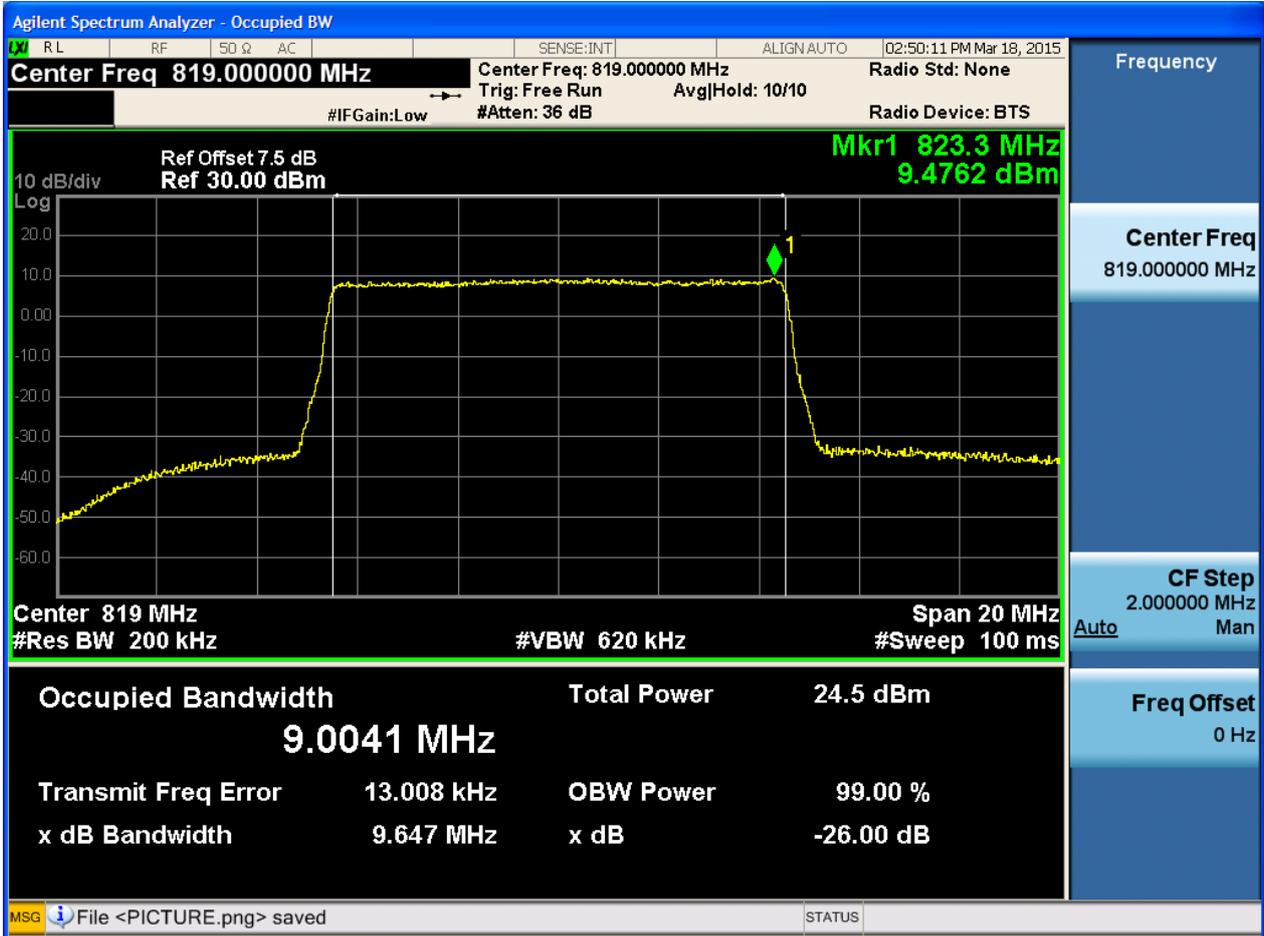
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0



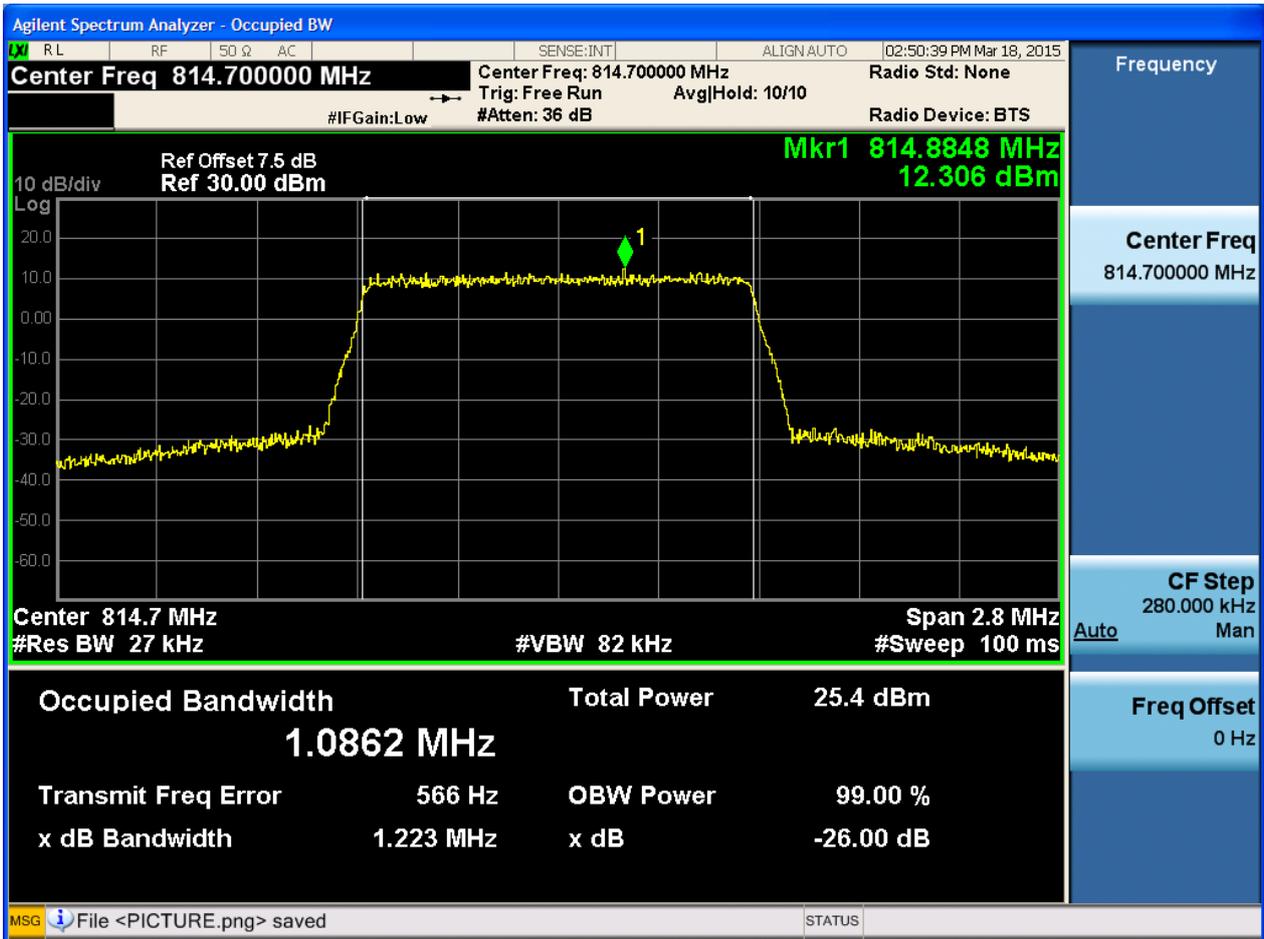


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

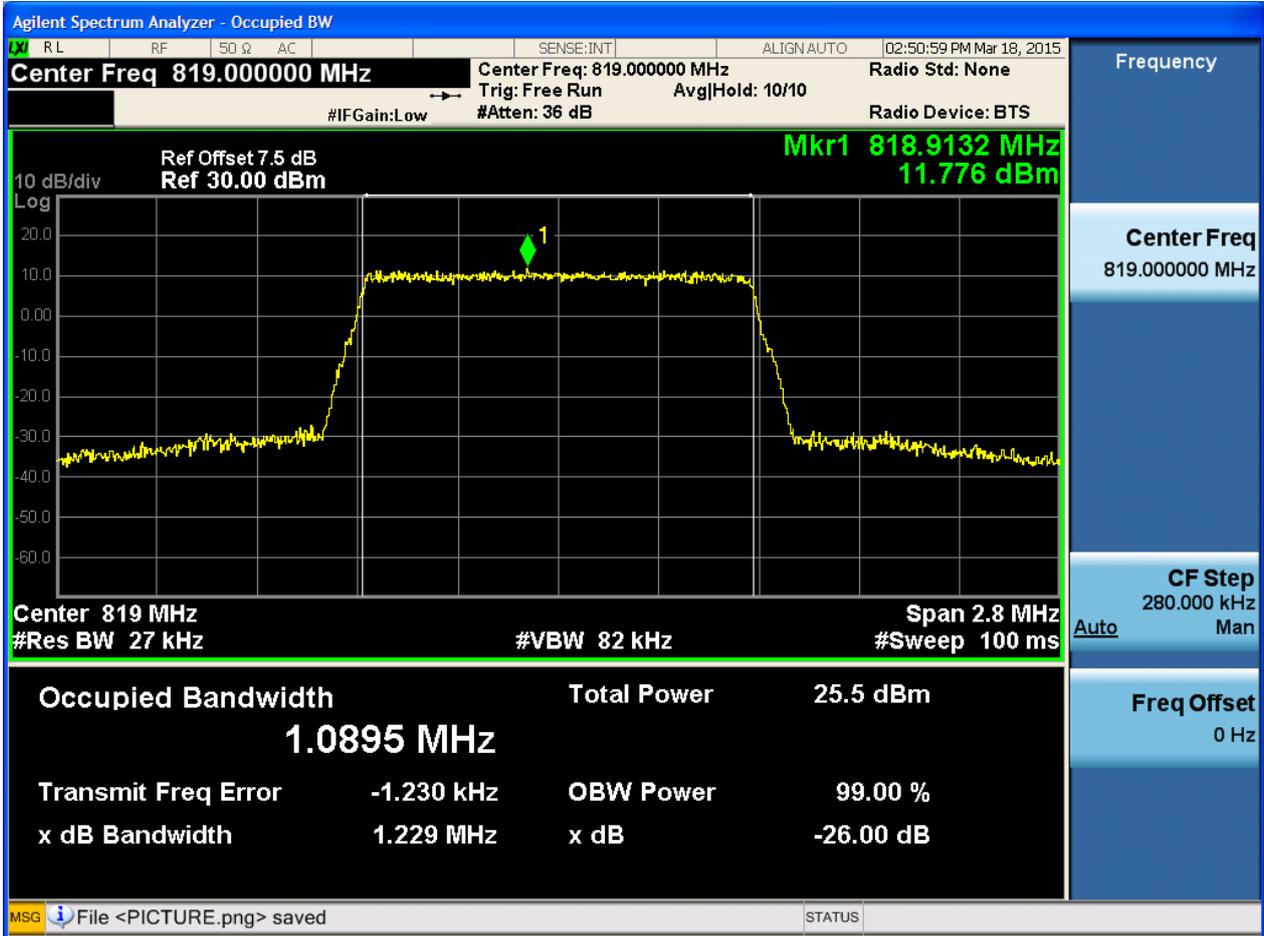
4.1.1.2.1.1.1 Test RB = RB6#0





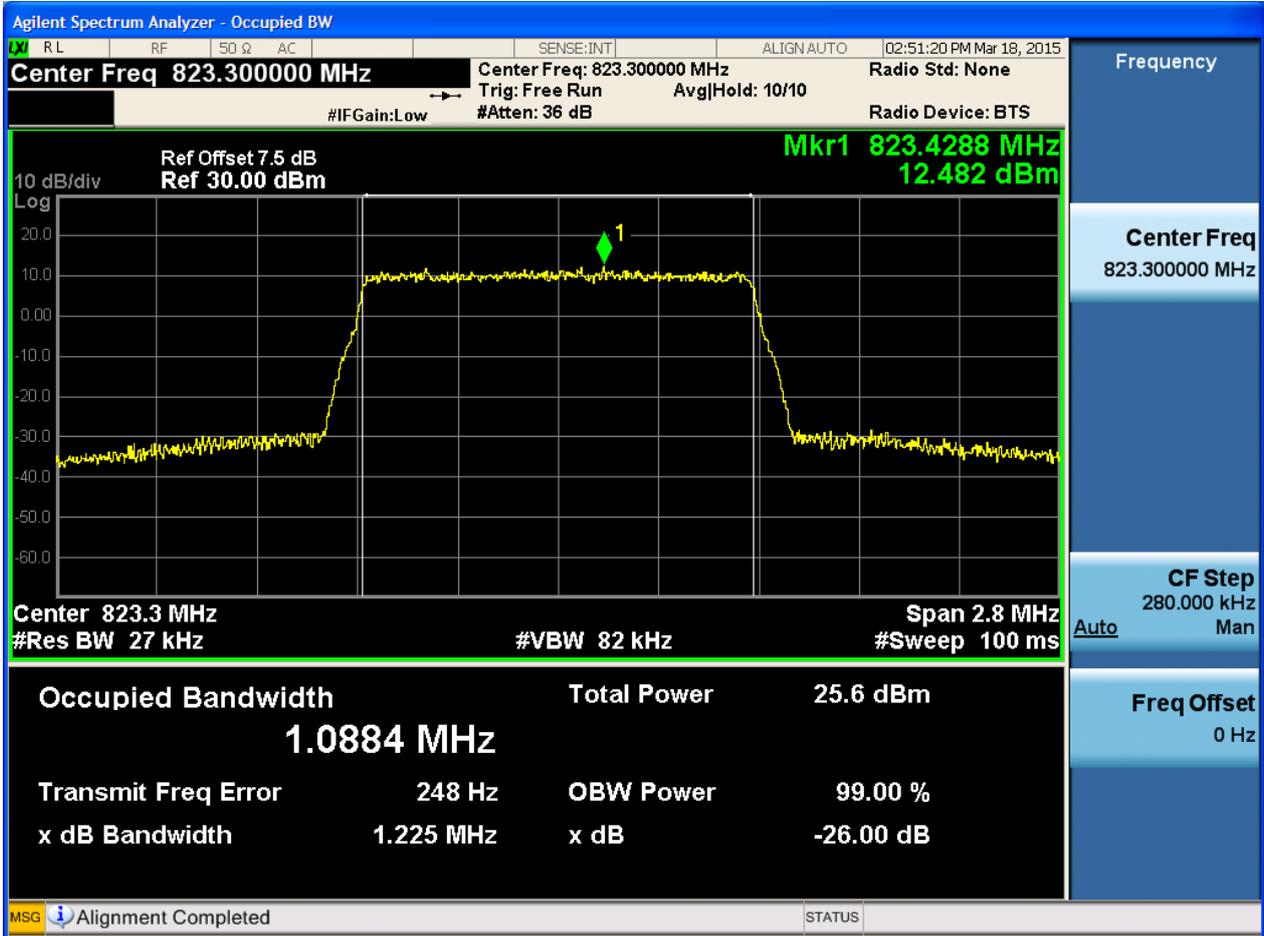
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0



4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

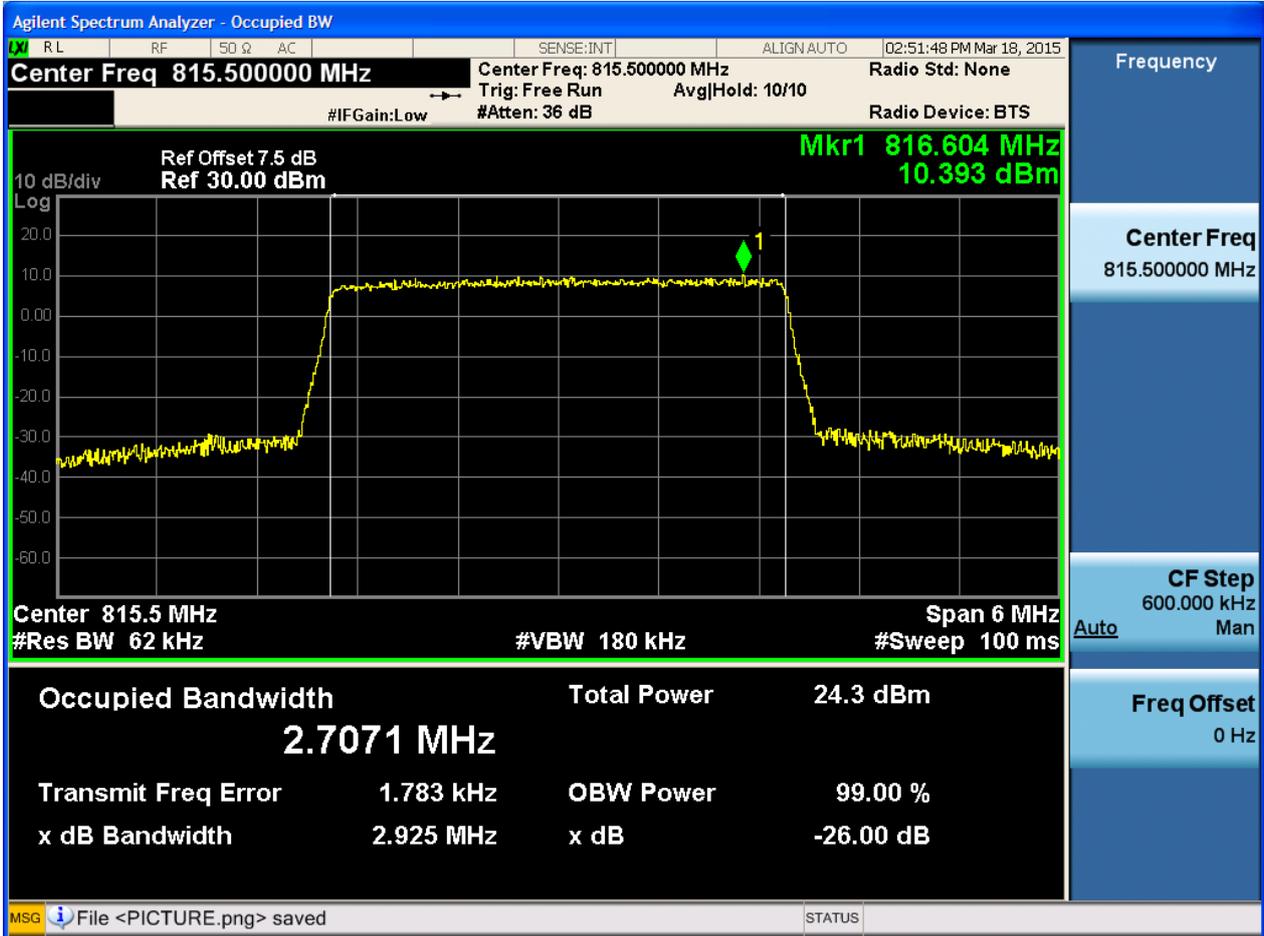




4.1.1.2.2 Test Bandwidth = 3

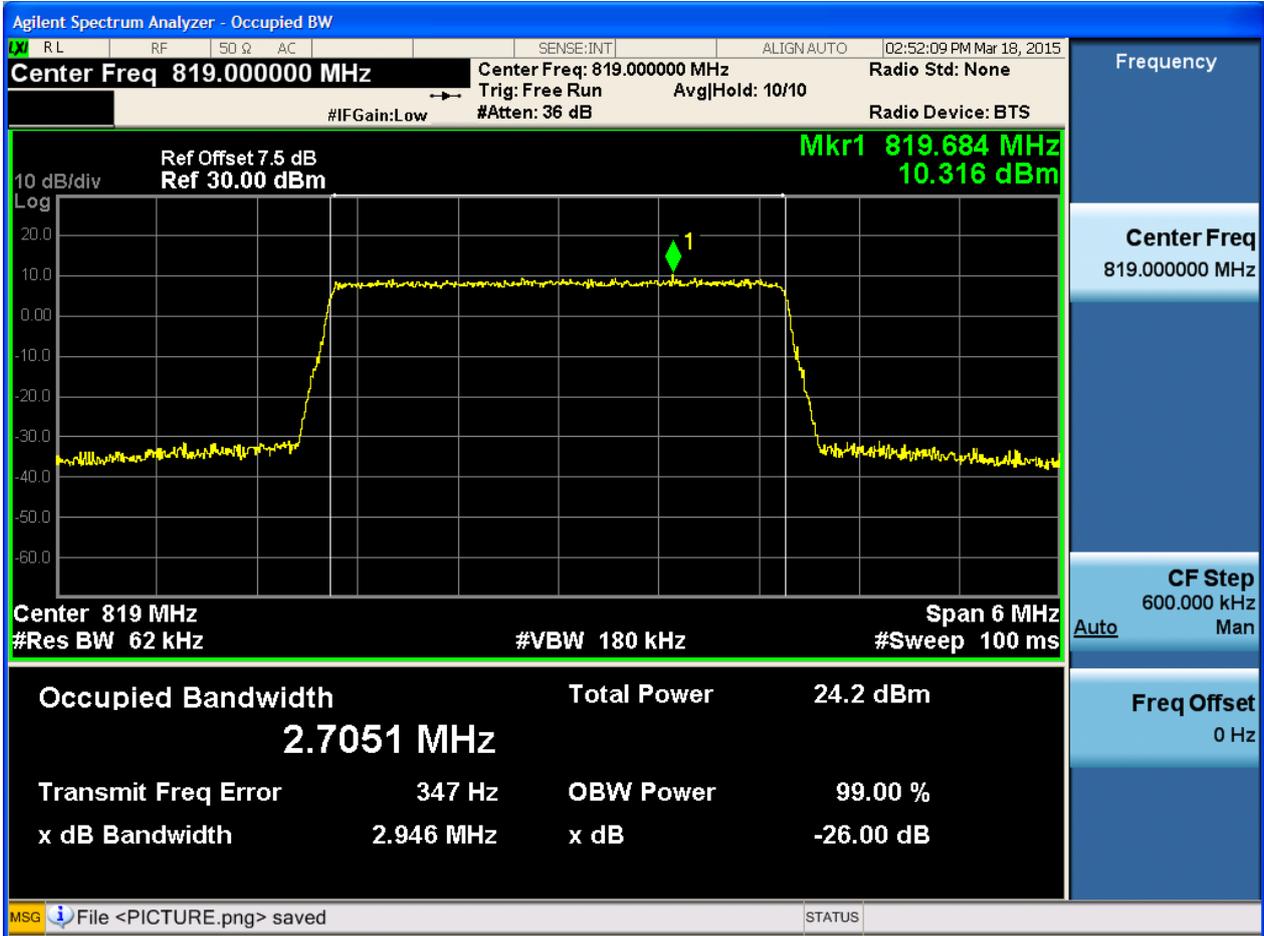
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



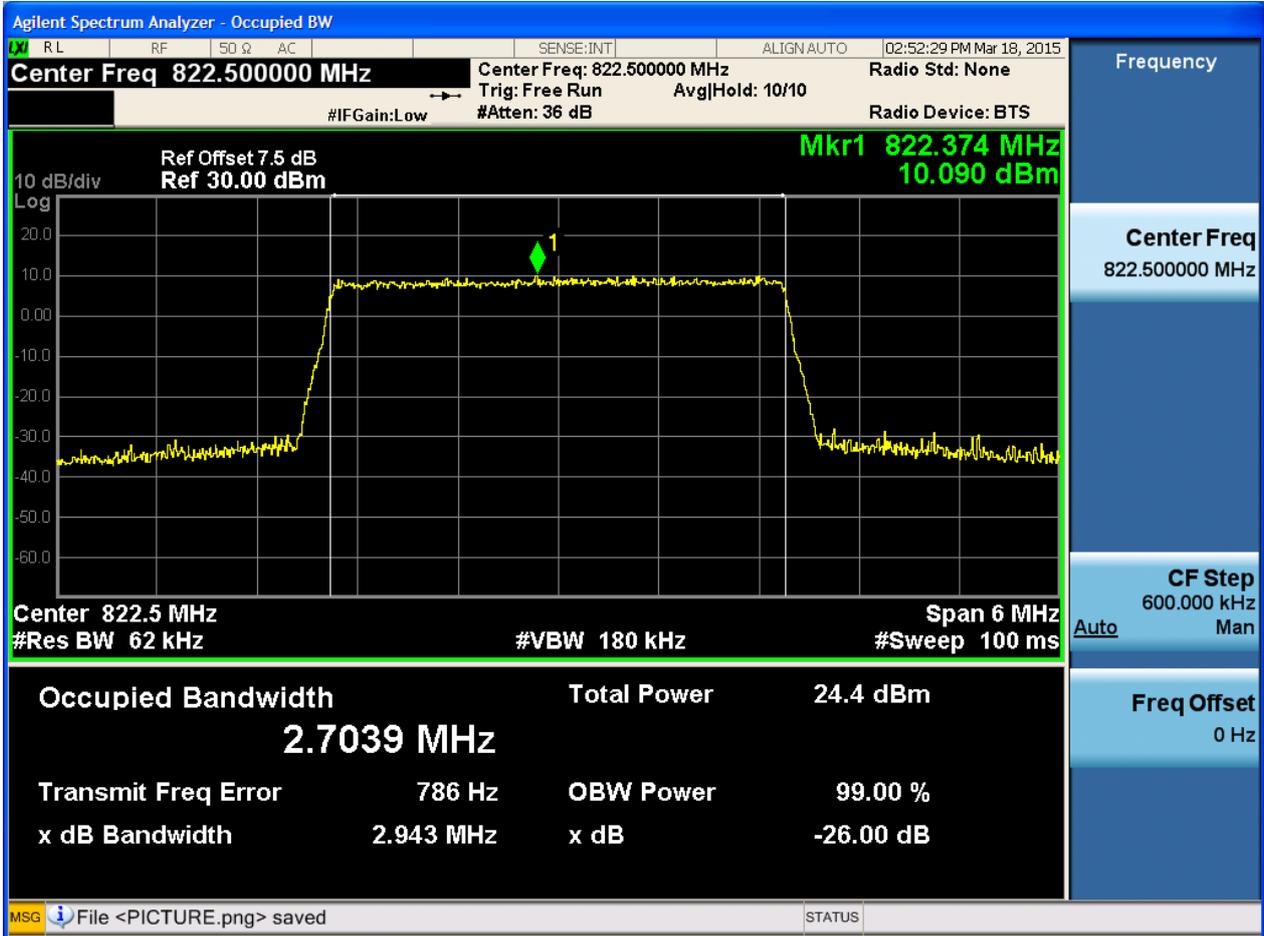
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

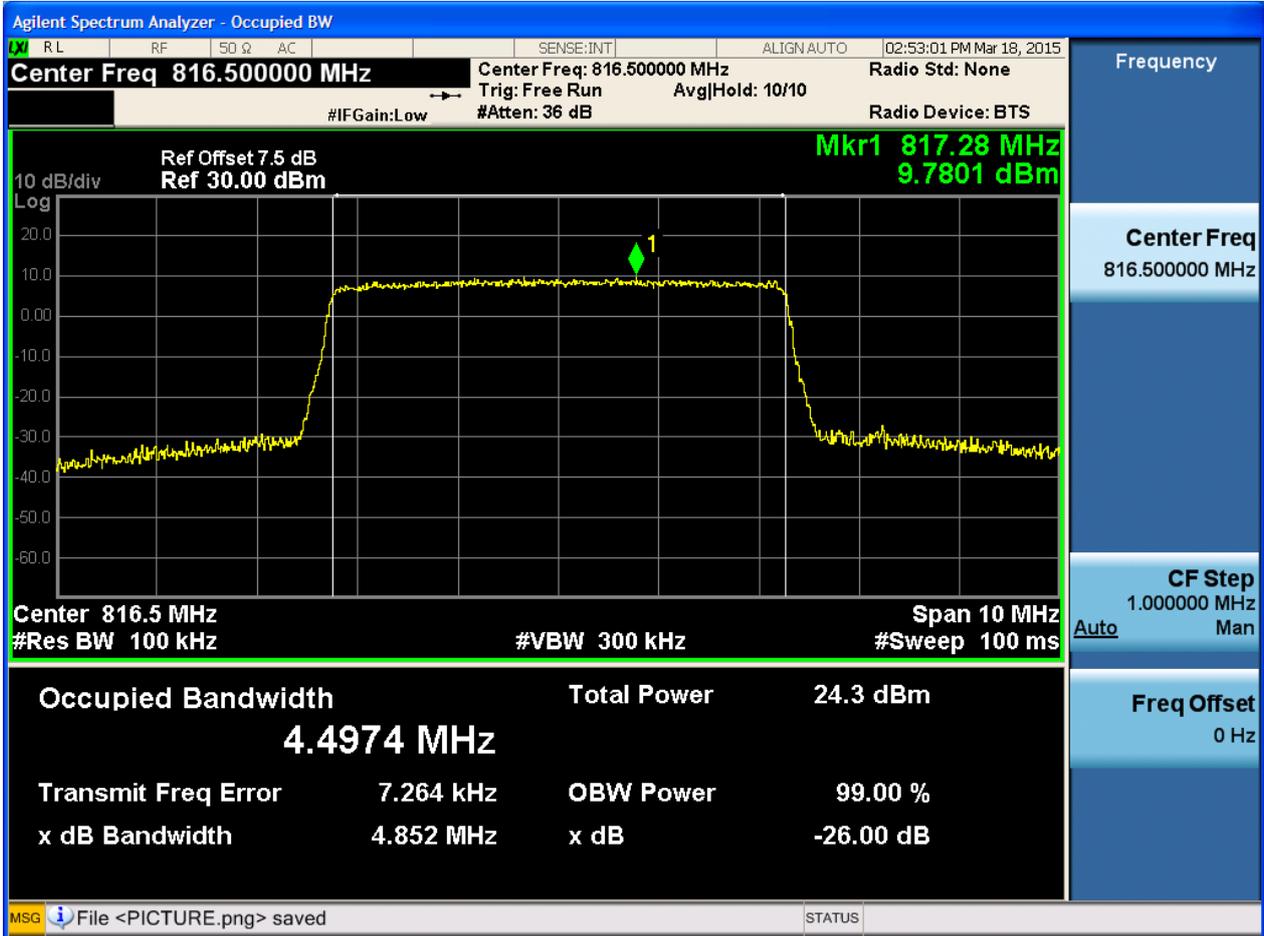




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

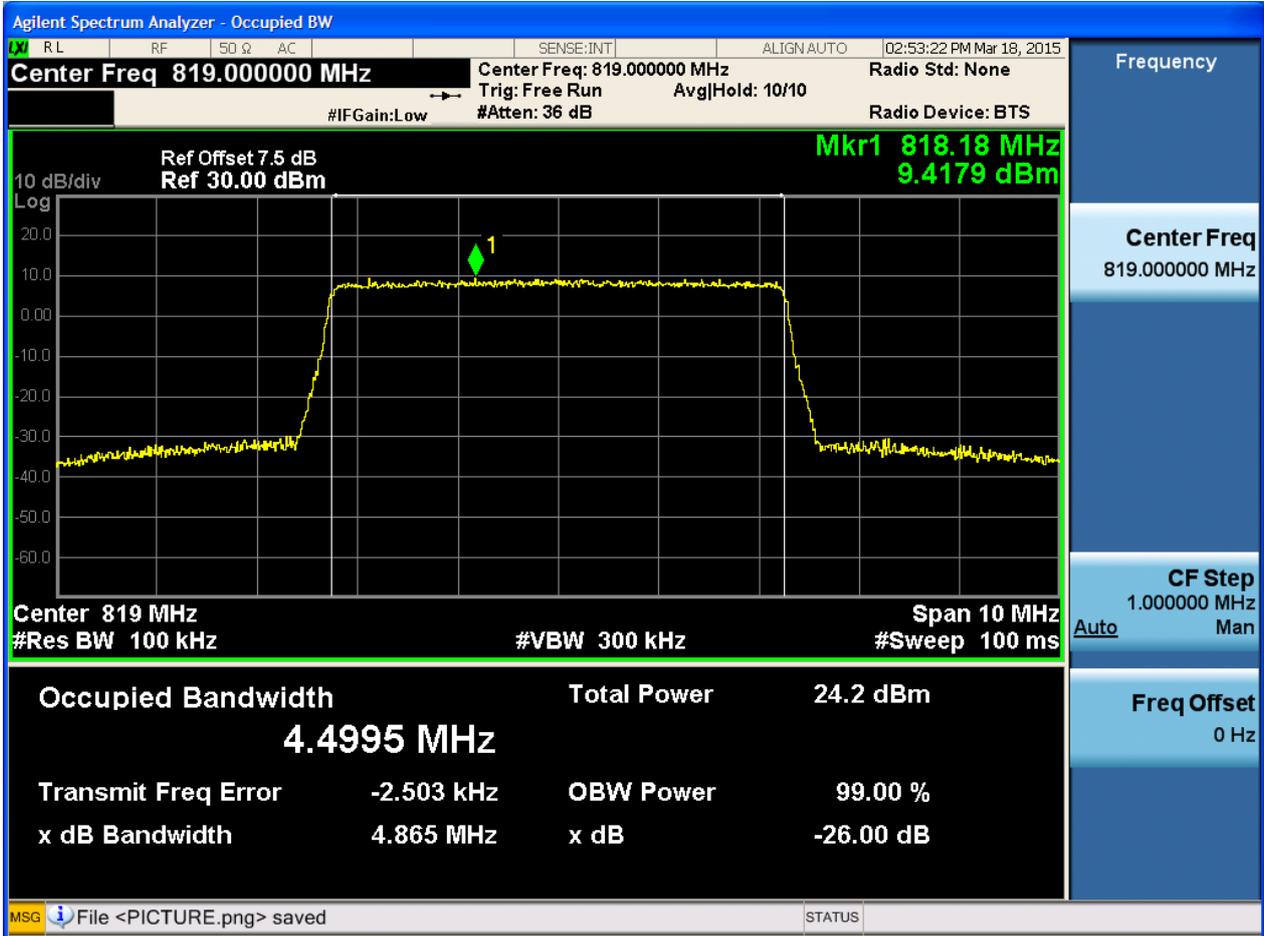
4.1.1.2.3.1.1 Test RB = RB25#0





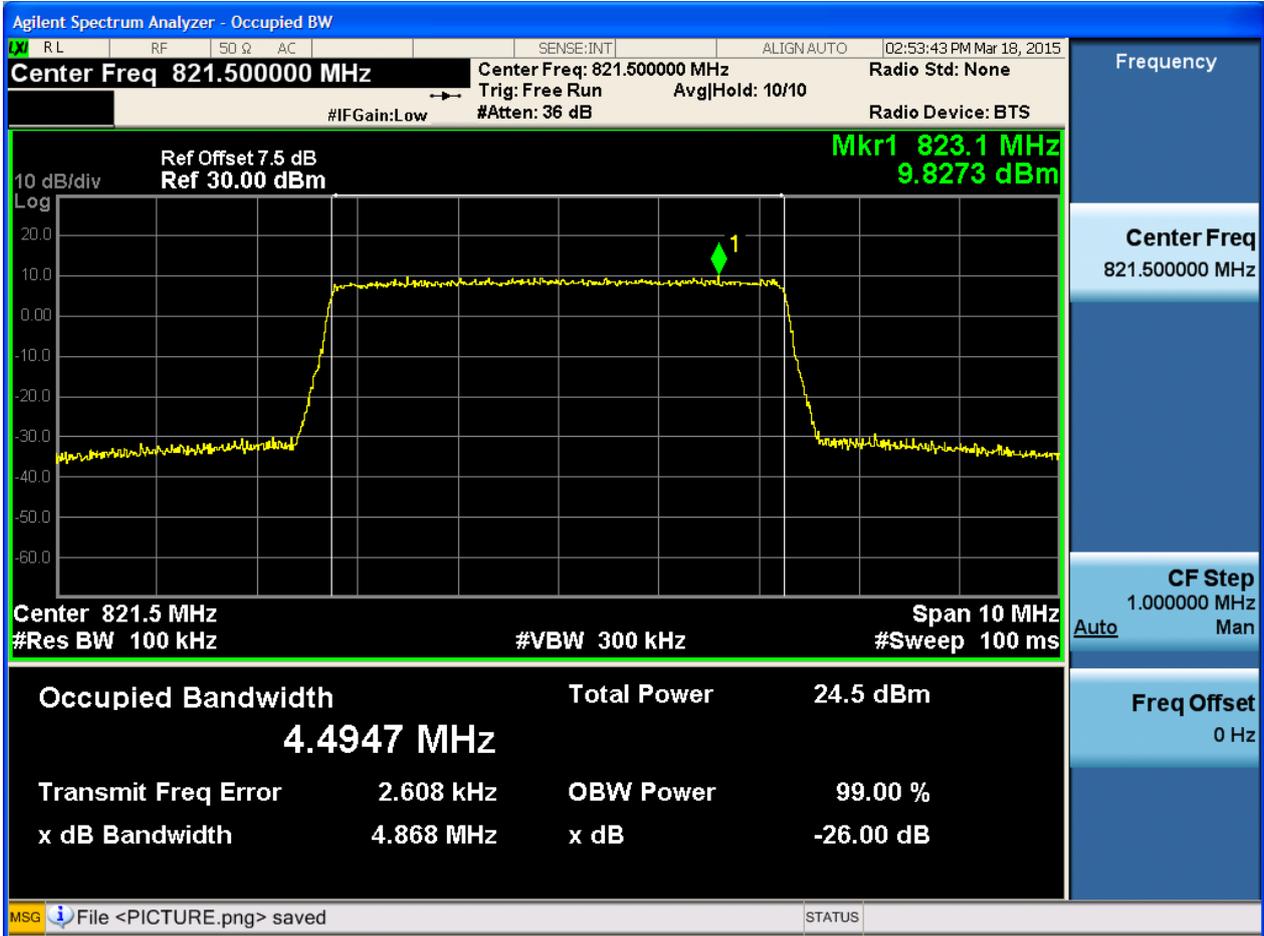
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0



4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

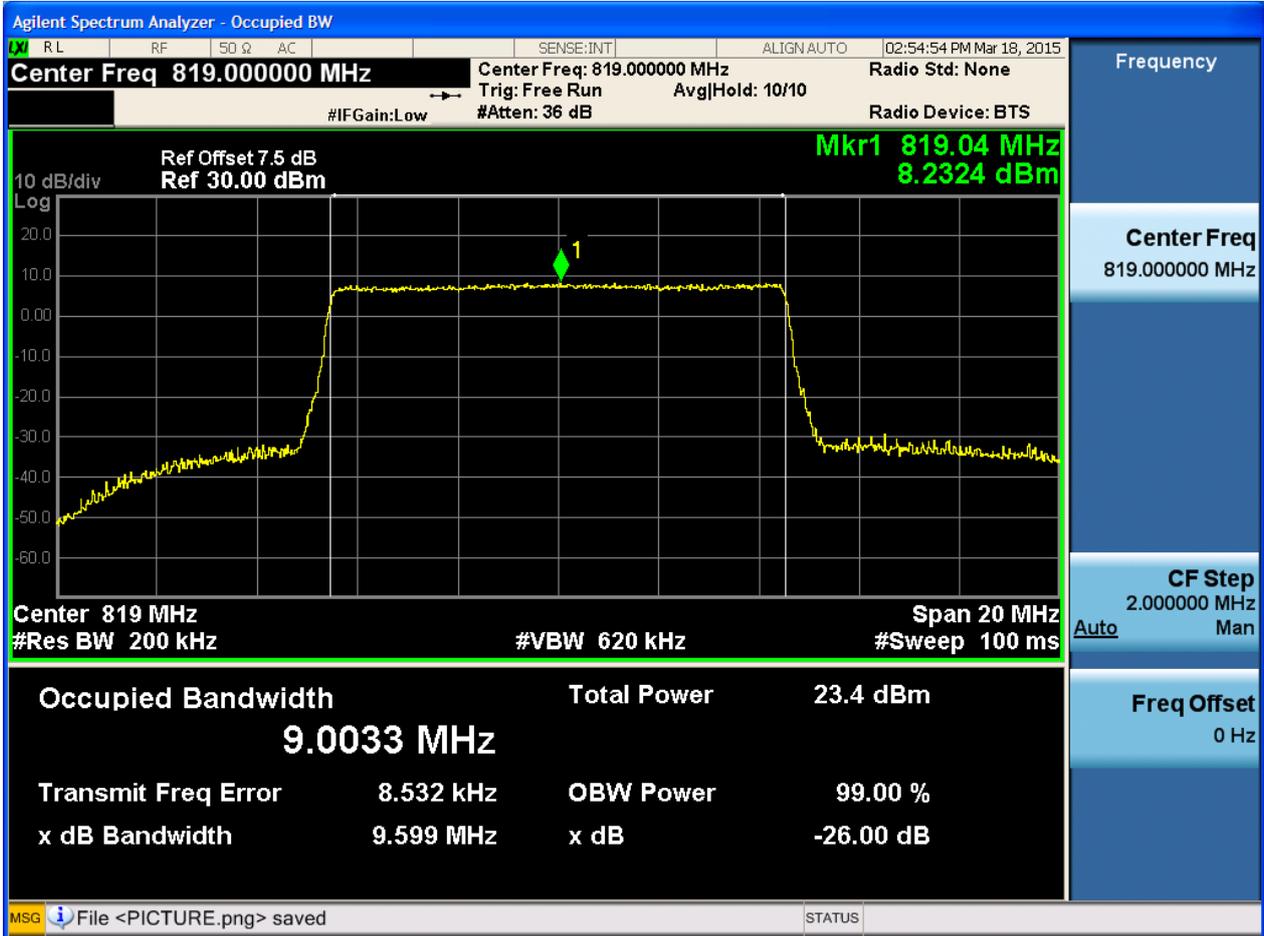




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

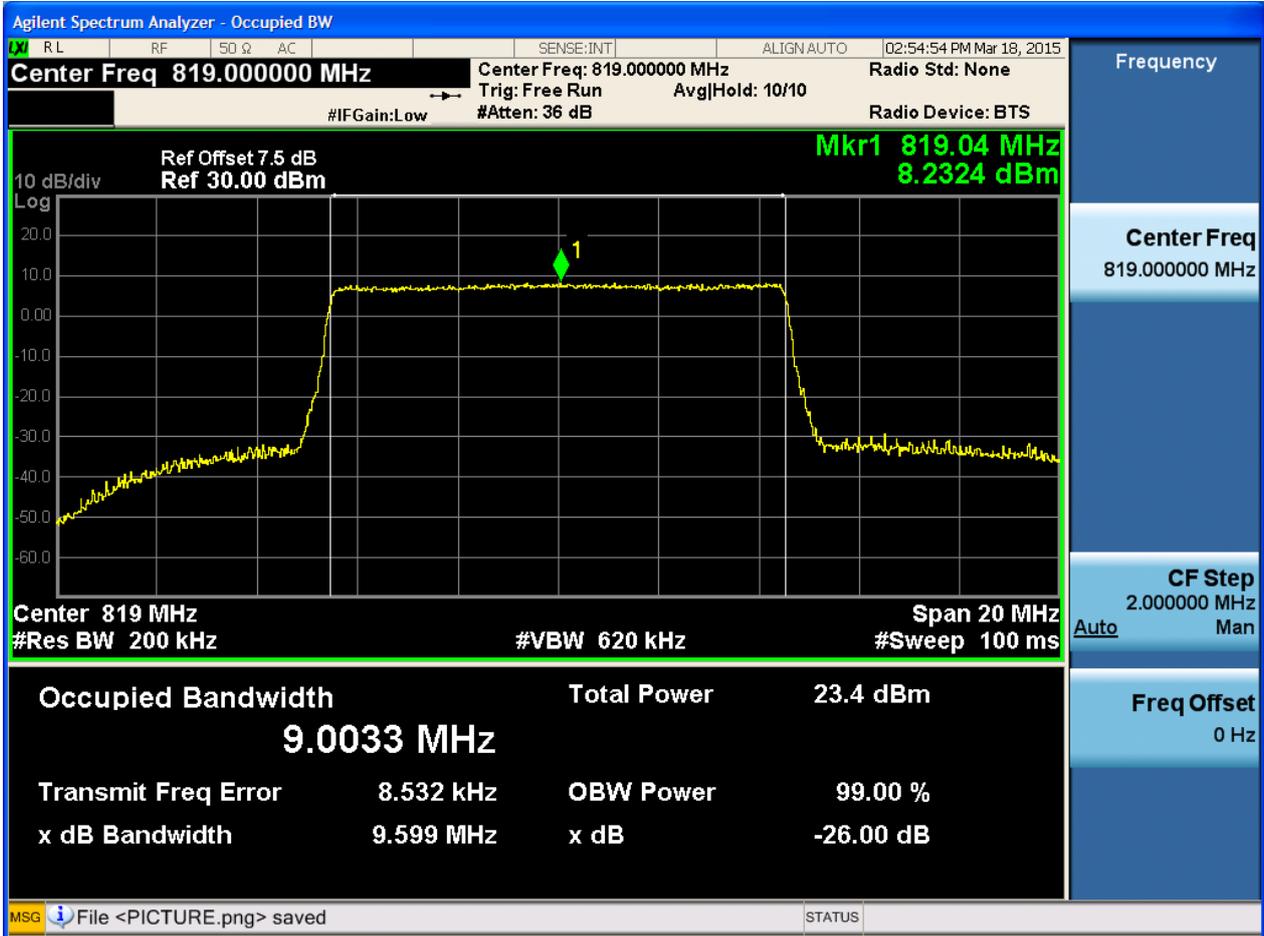
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

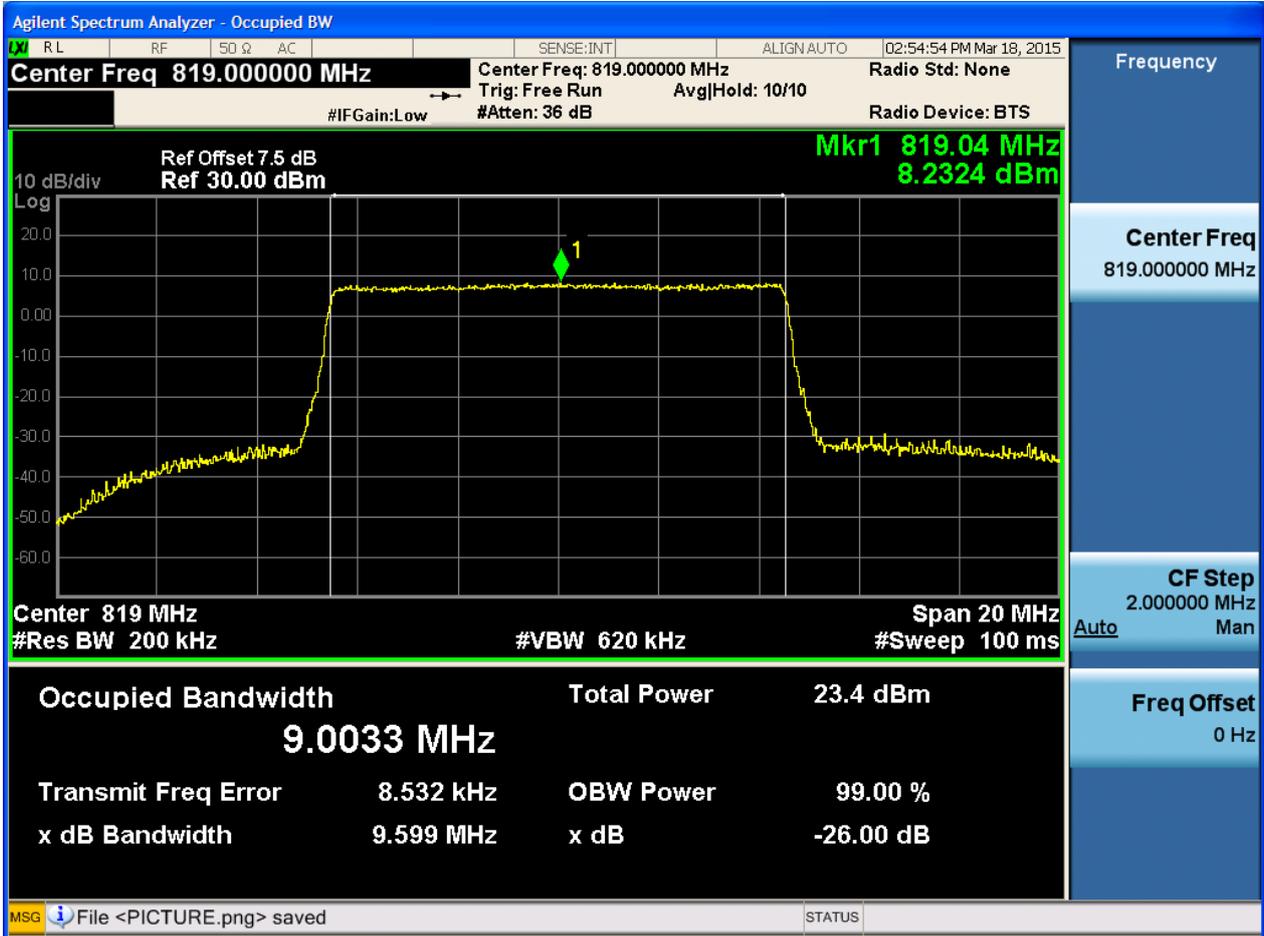
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

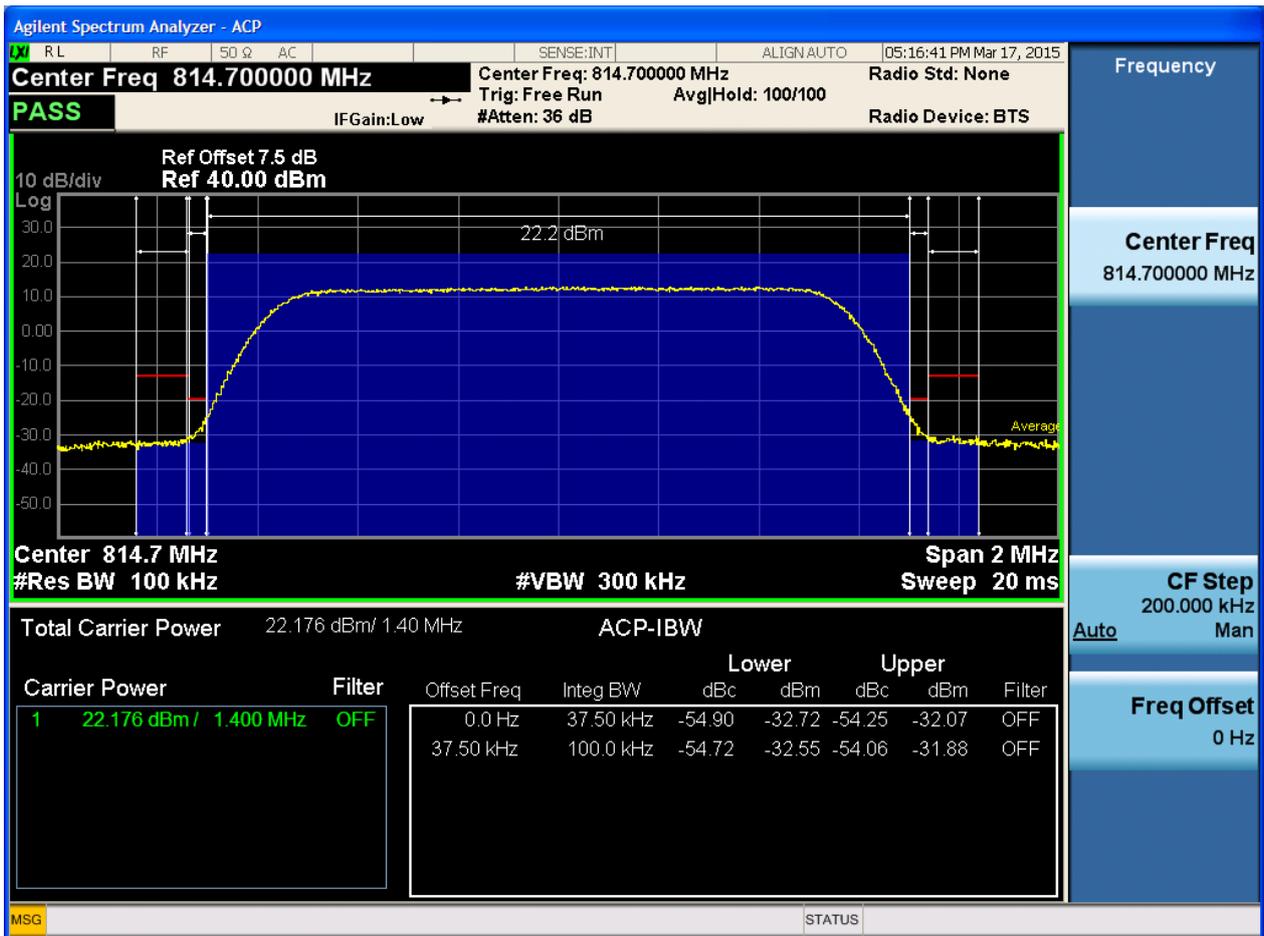
5.1.1 Test Band = BAND26

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

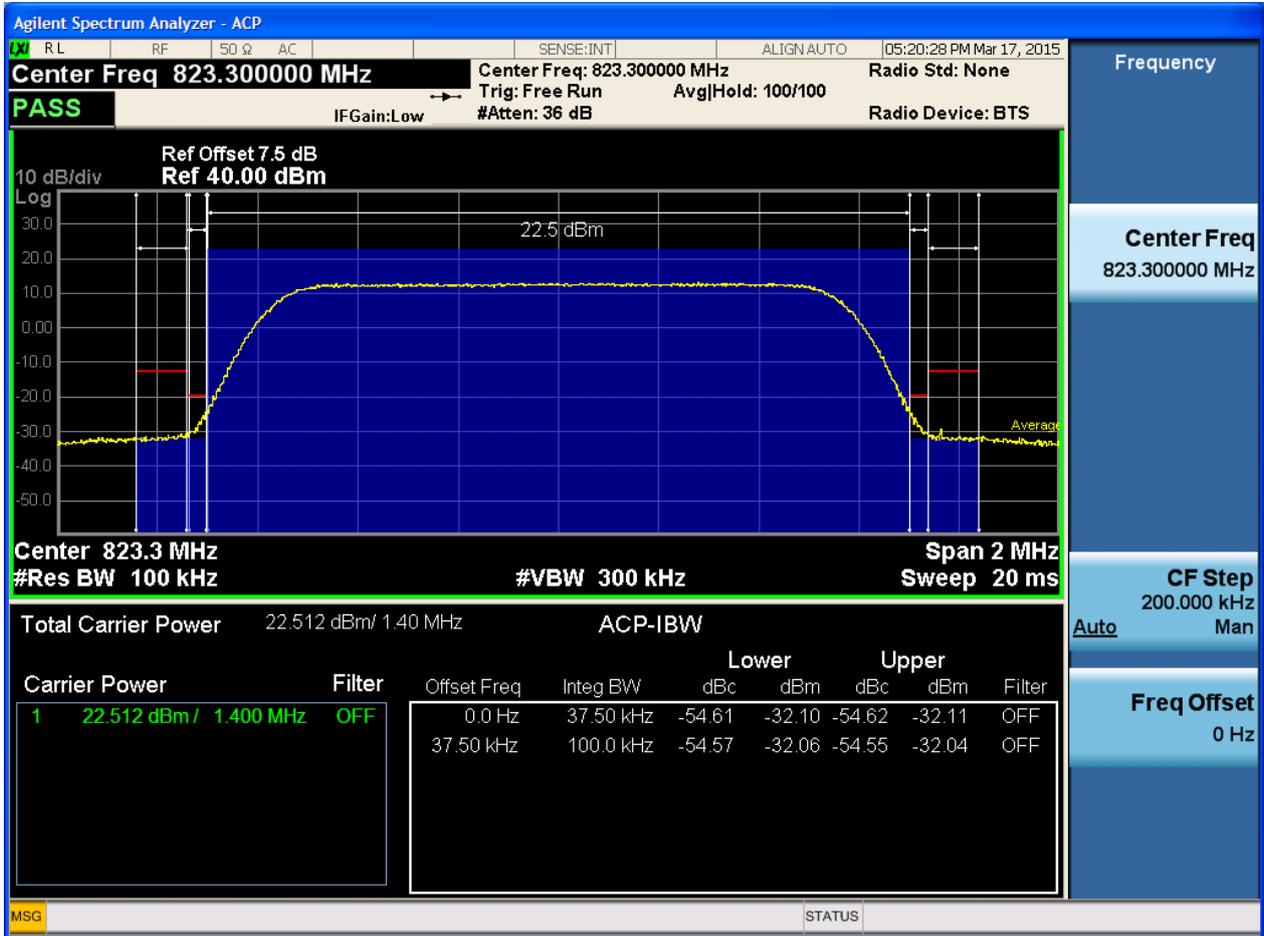
5.1.1.1.1.1.1 Test RB = RB6#0





5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB6#0

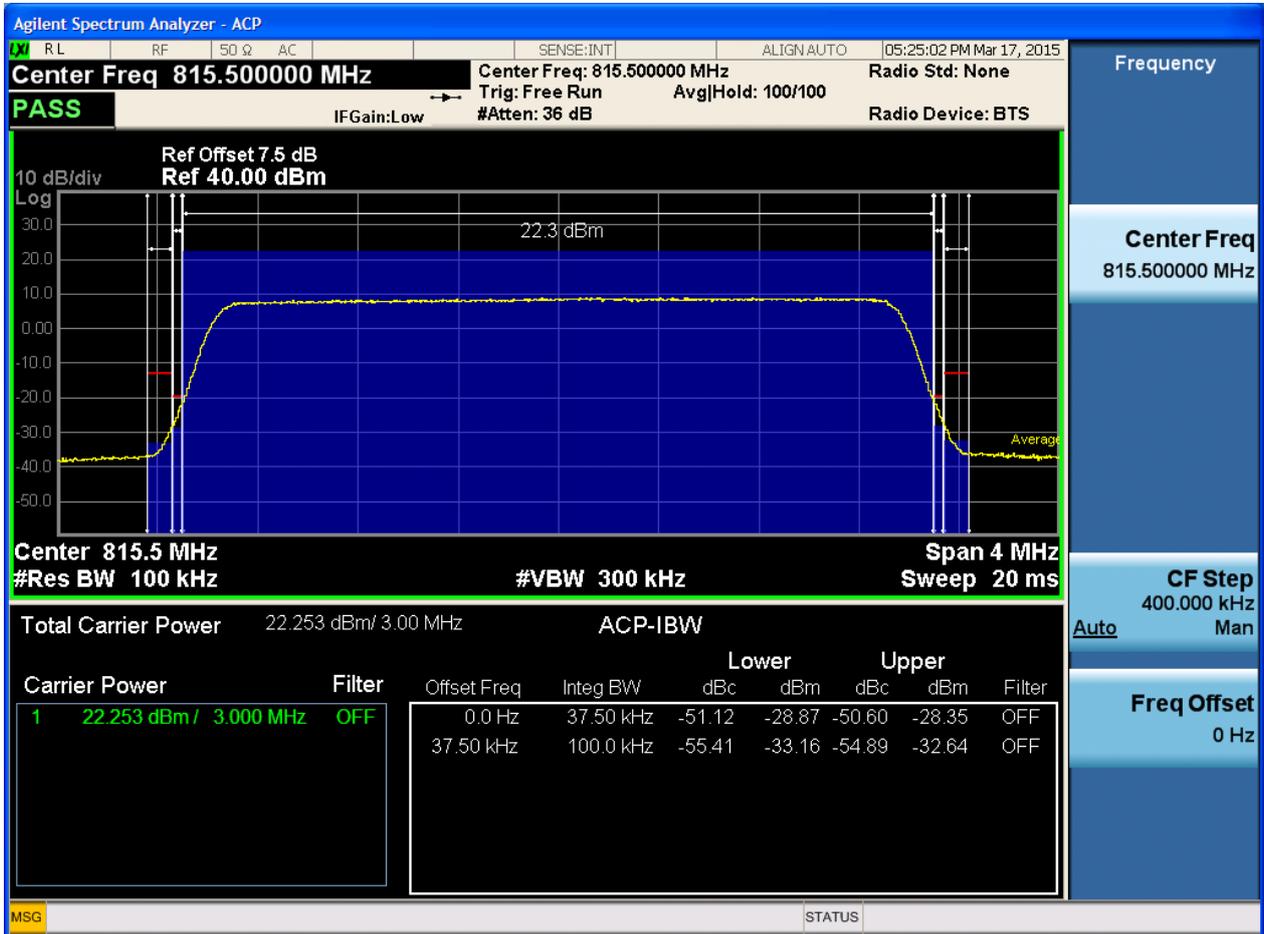




5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

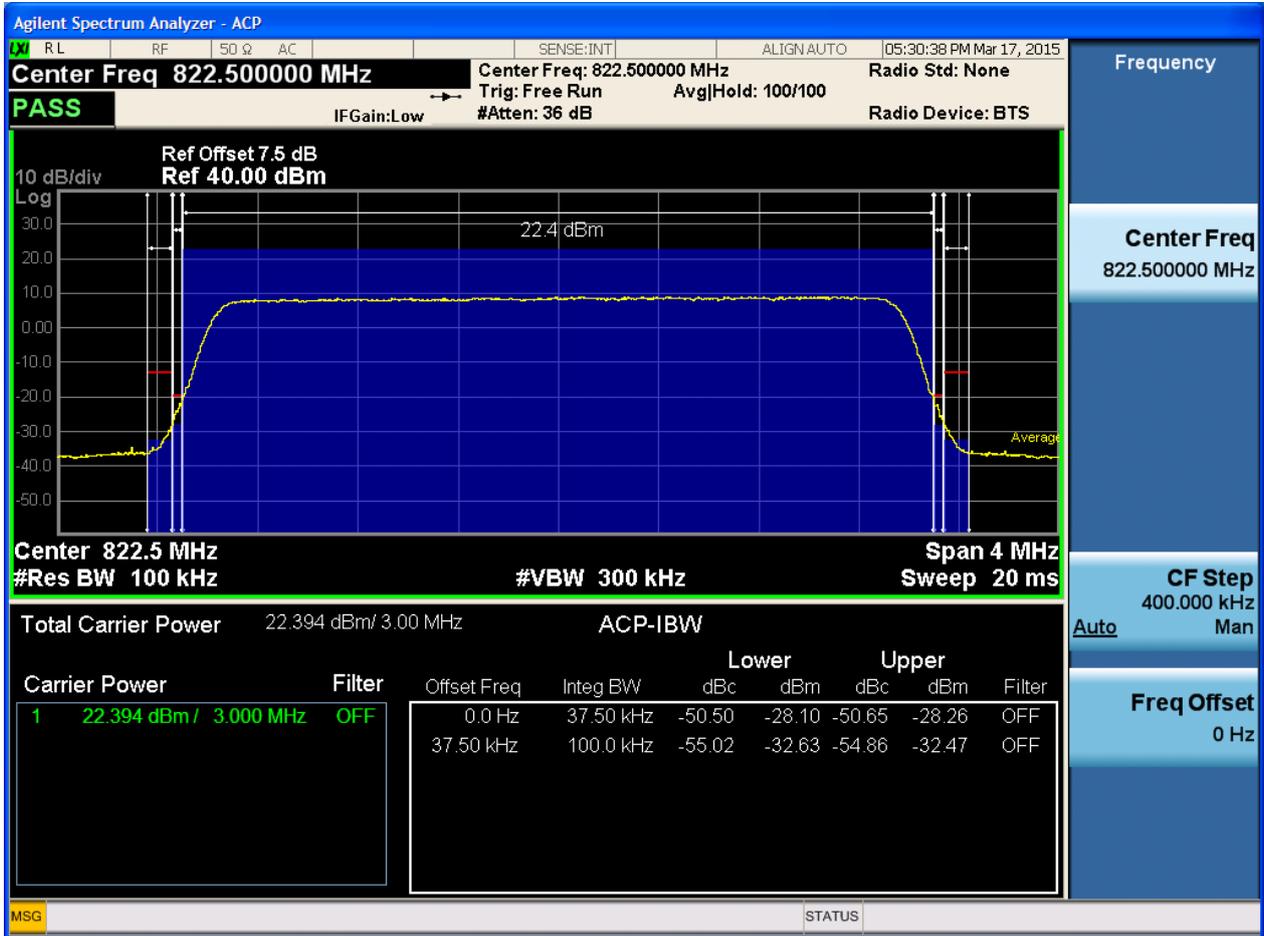
5.1.1.1.2.1.1 Test RB = RB15#0





5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB15#0

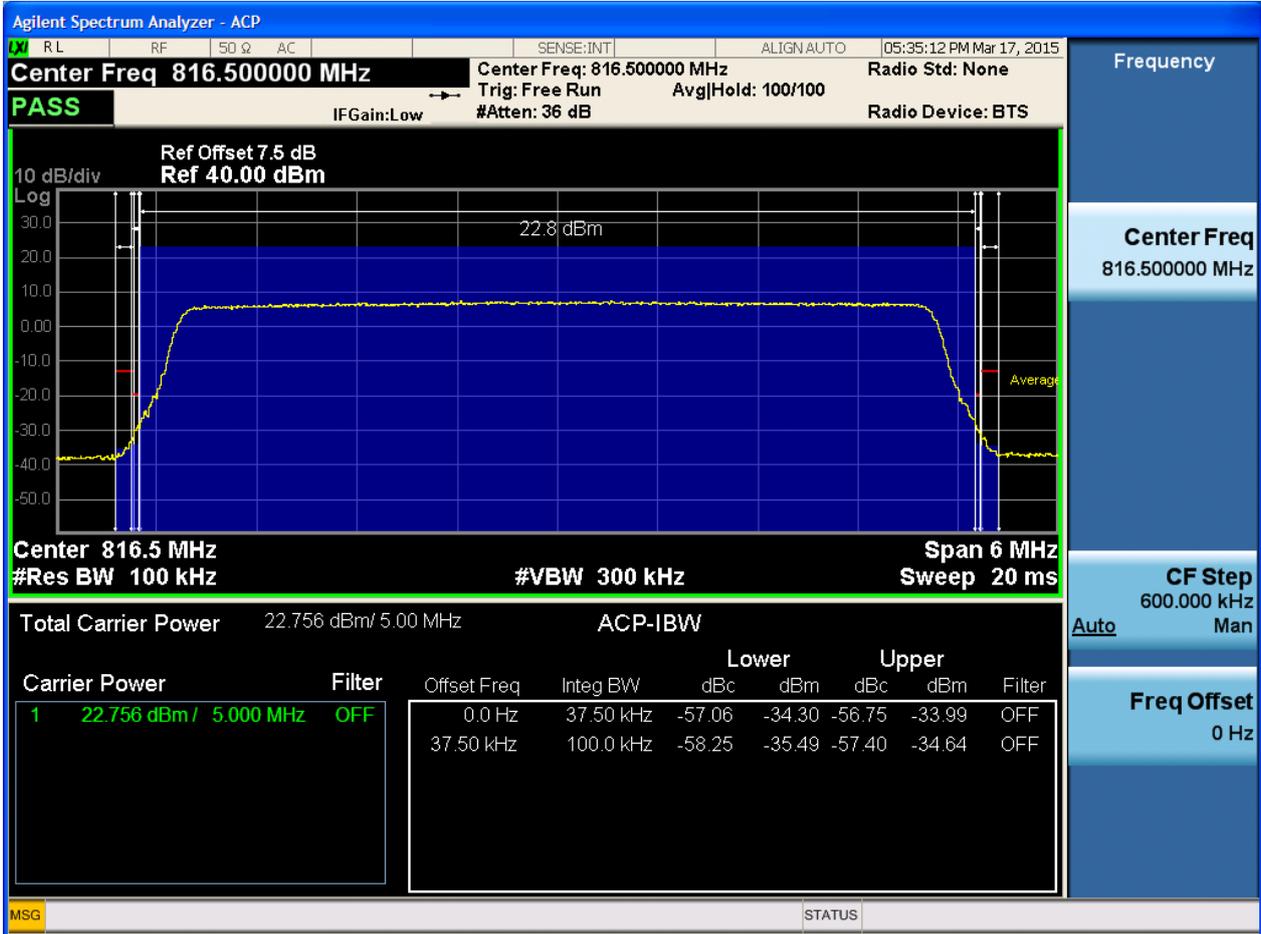




5.1.1.1.3 Test Bandwidth = 5

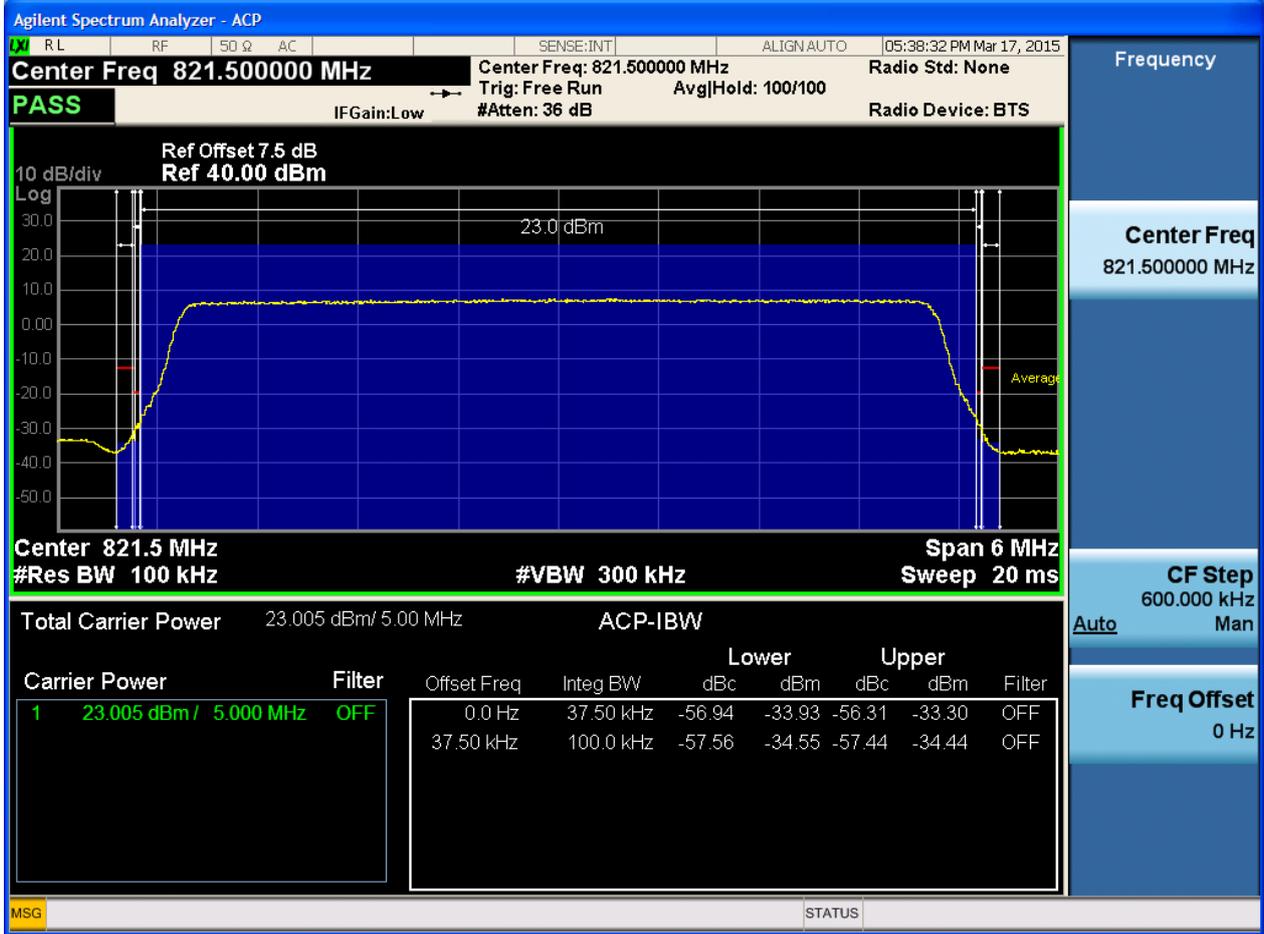
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB25#0



5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB25#0

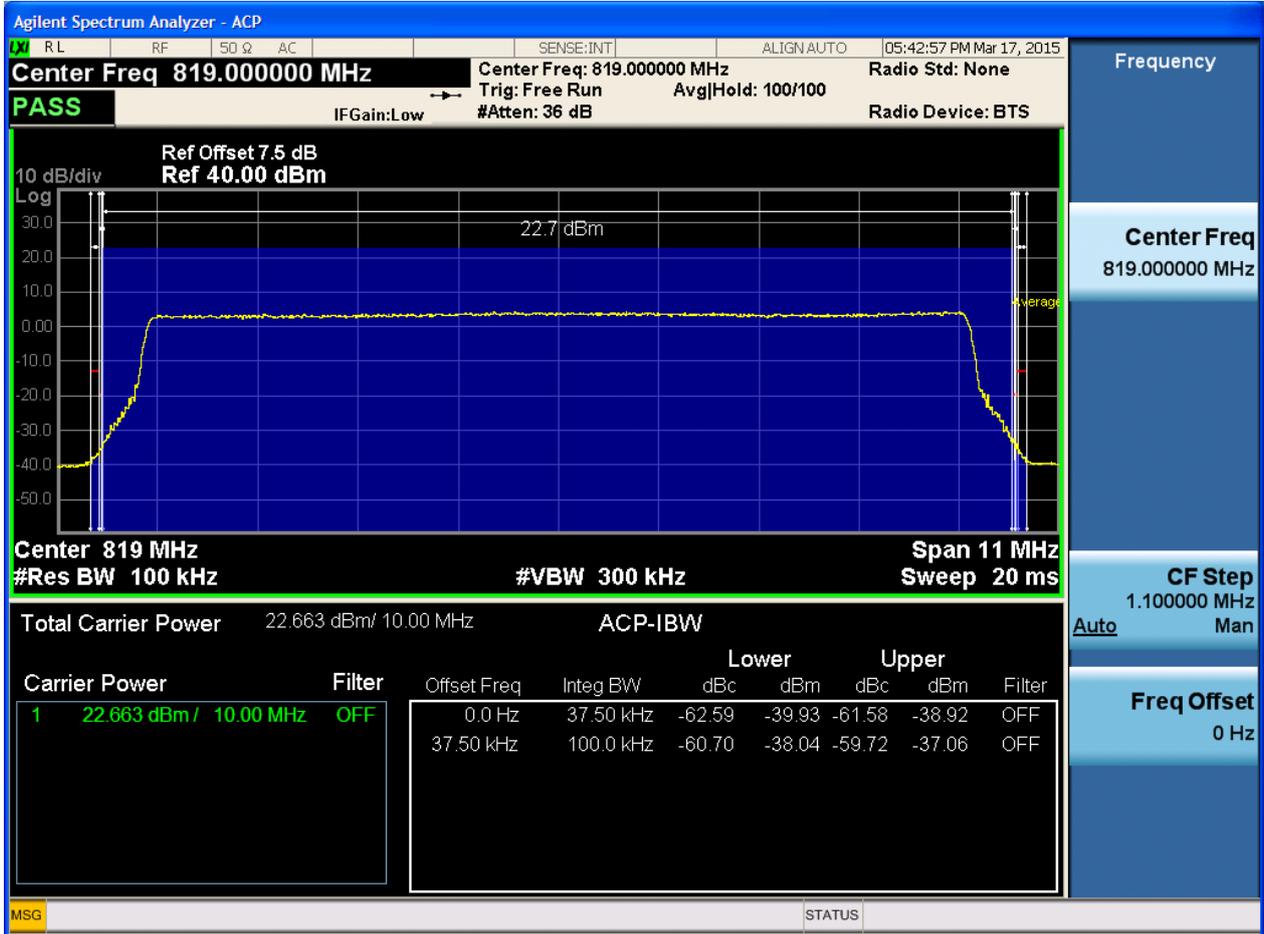




5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH/HCH

5.1.1.1.4.1.1 Test RB = RB50#0



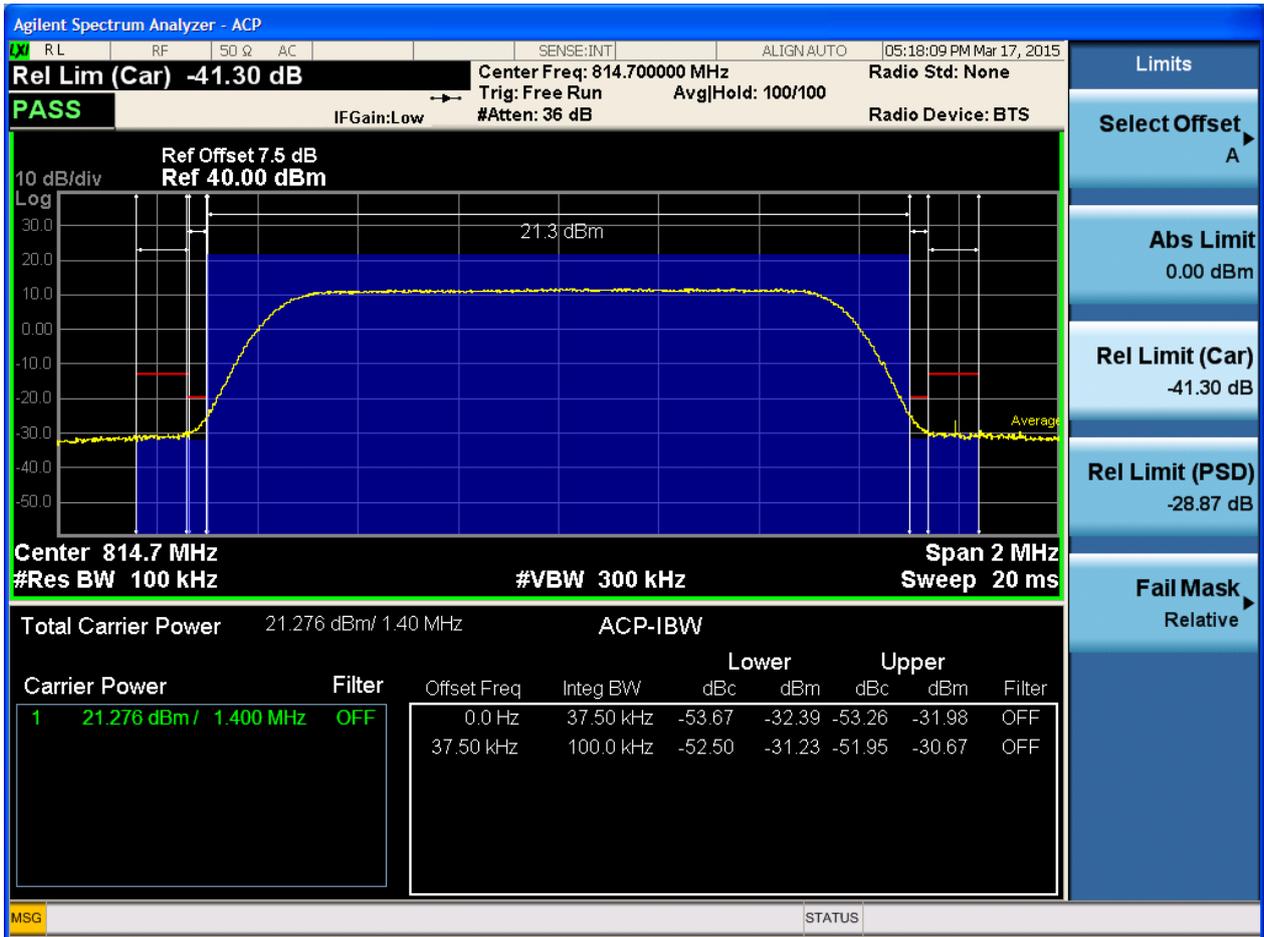


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

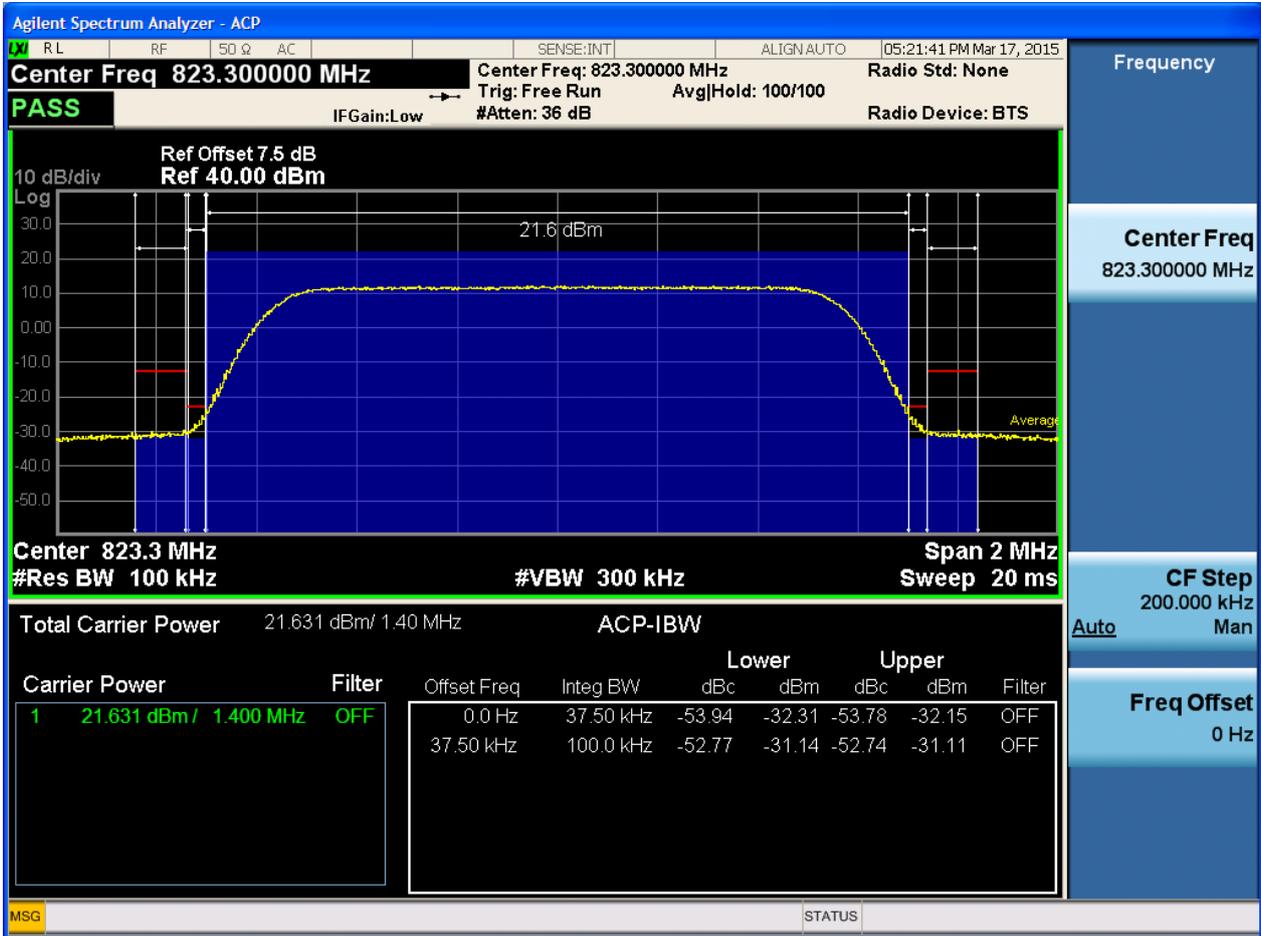
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB6#0



5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB6#0

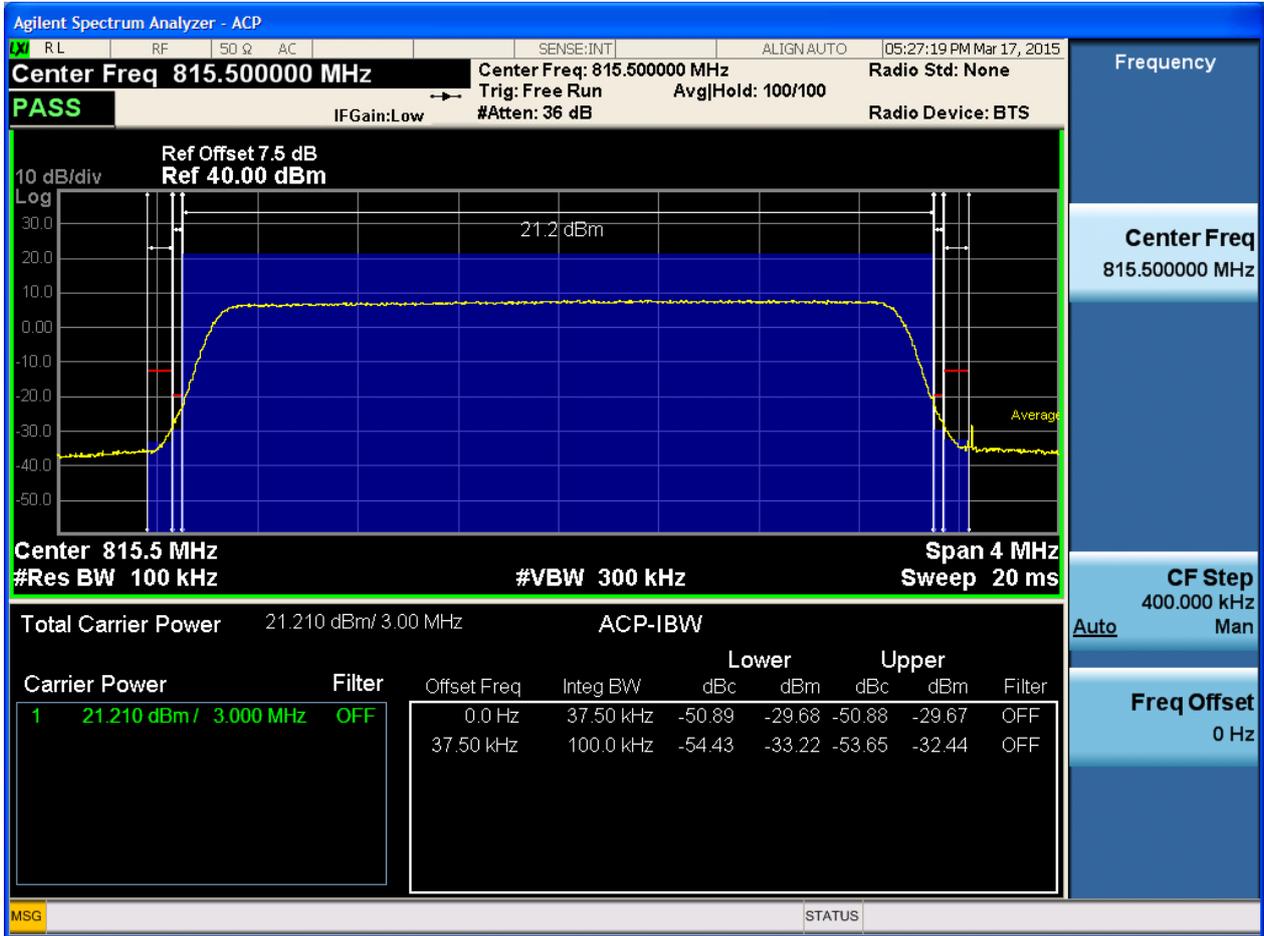




5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

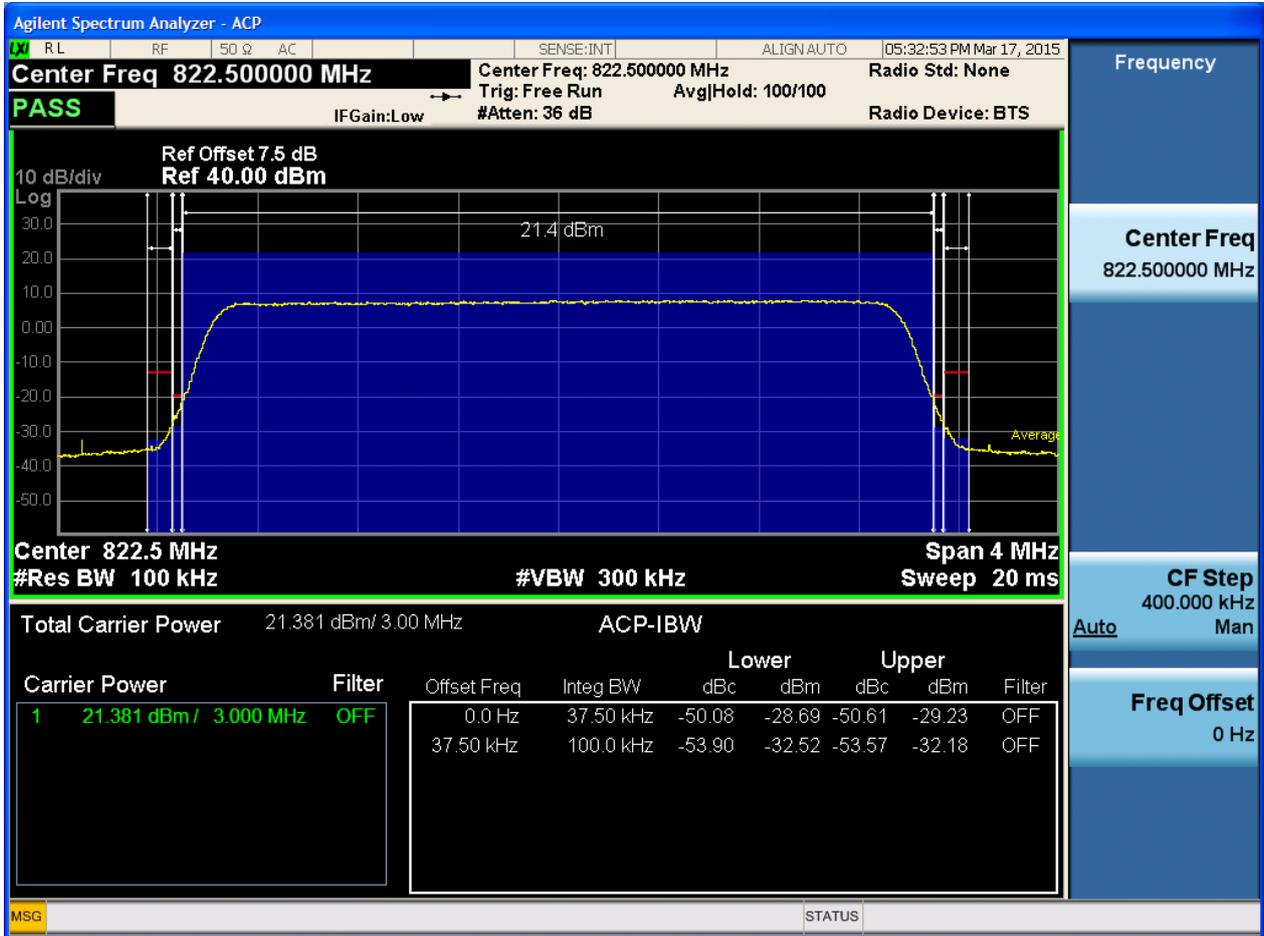
5.1.1.2.2.1.1 Test RB = RB15#0





5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB15#0

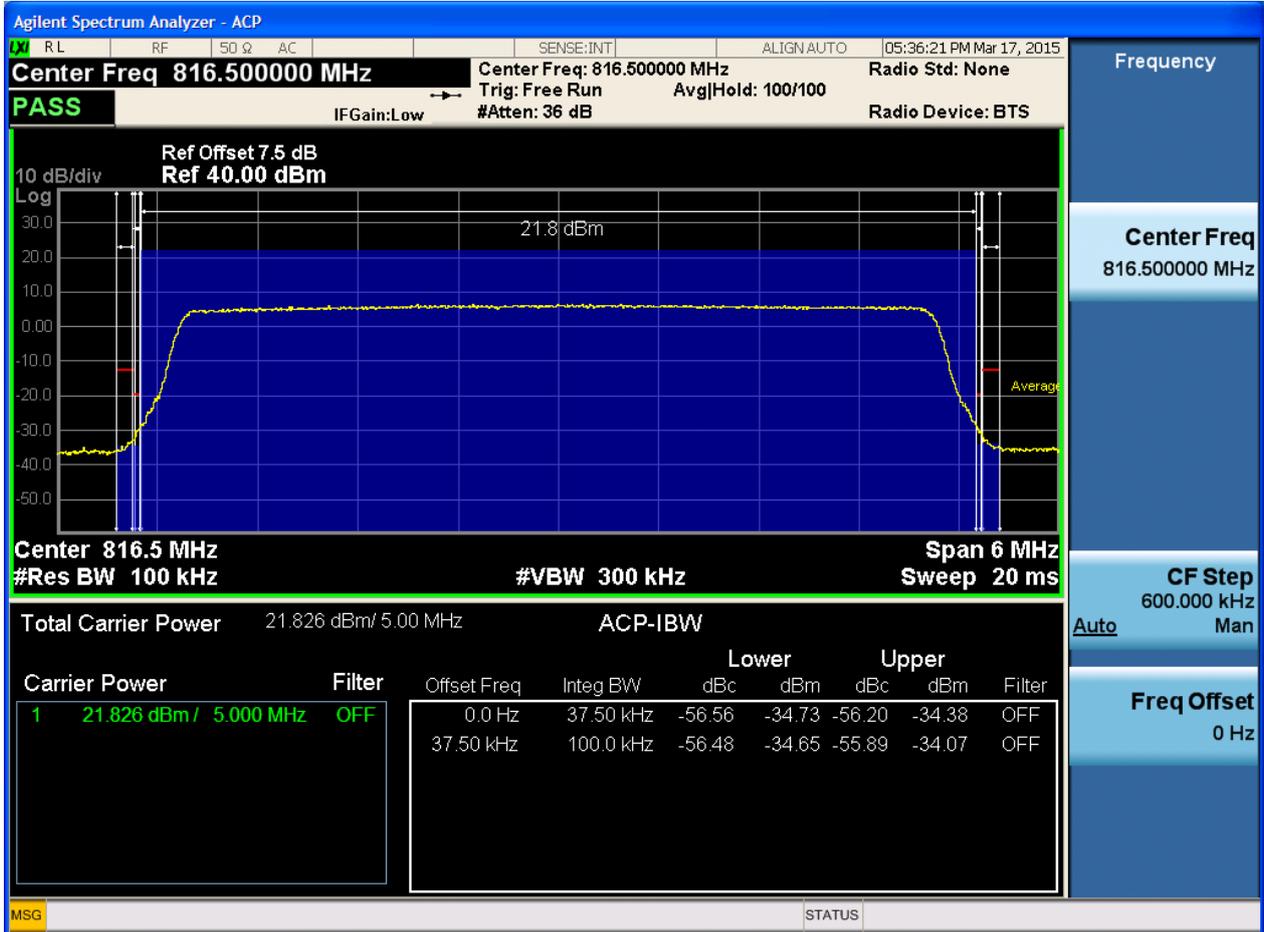




5.1.1.2.3 Test Bandwidth = 5

5.1.1.2.3.1 Test Channel = LCH

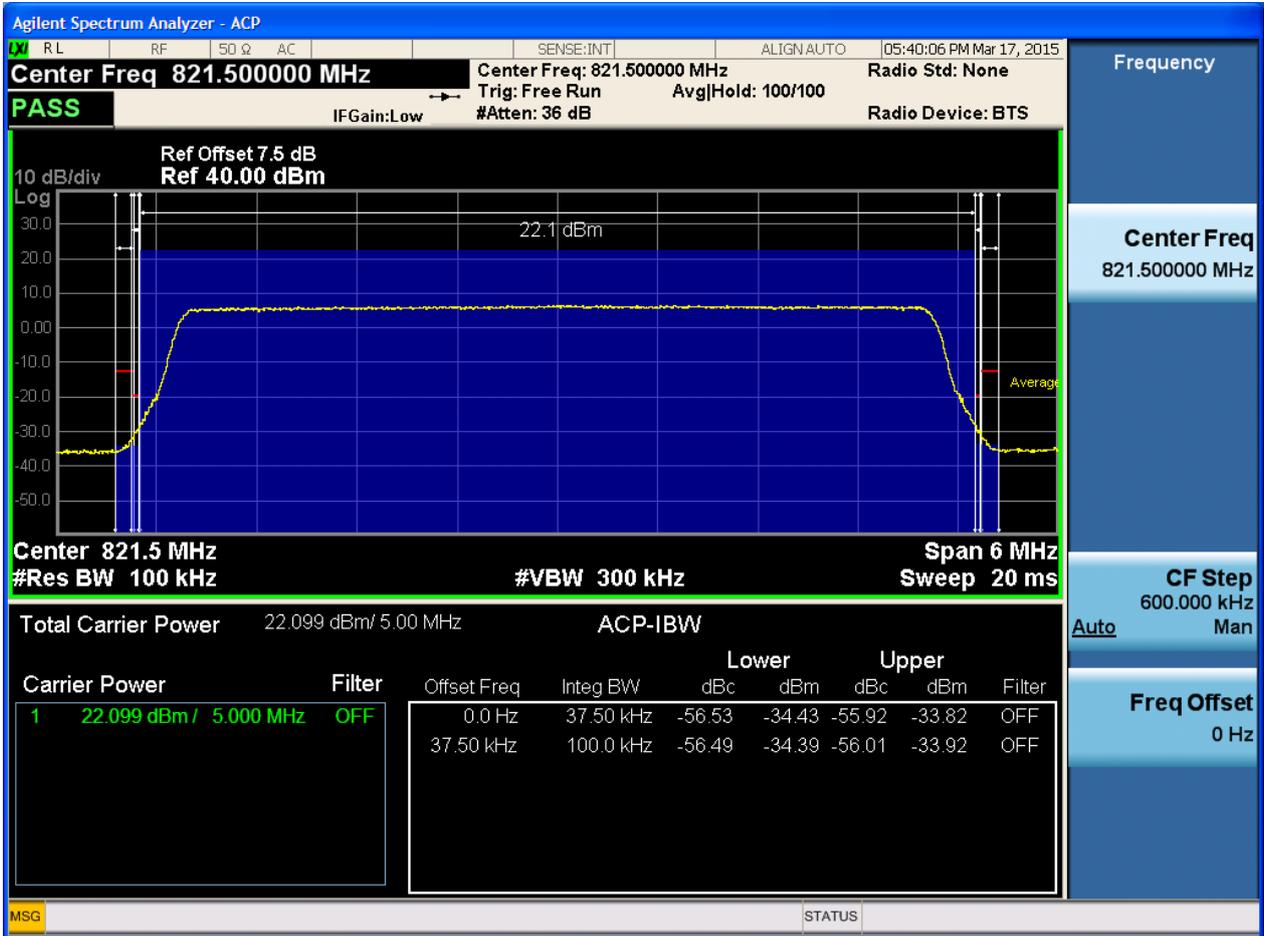
5.1.1.2.3.1.1 Test RB = RB25#0





5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB25#0

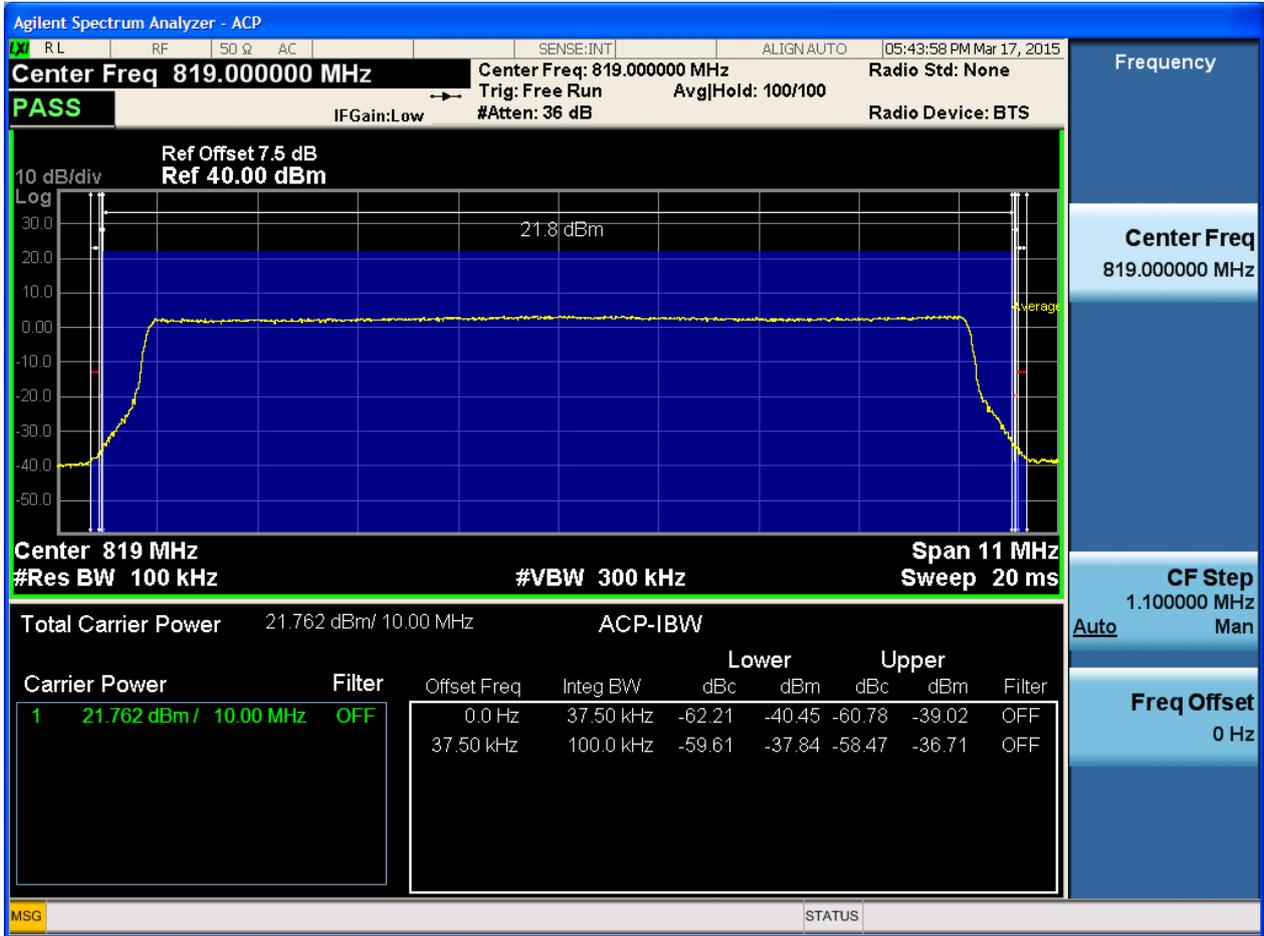




5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH/HCH

5.1.1.2.4.1.1 Test RB = RB50#0





6Appendix_F: Spurious Emission at Antenna Terminal

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

Part I - Test Plots

6.1 For LTE

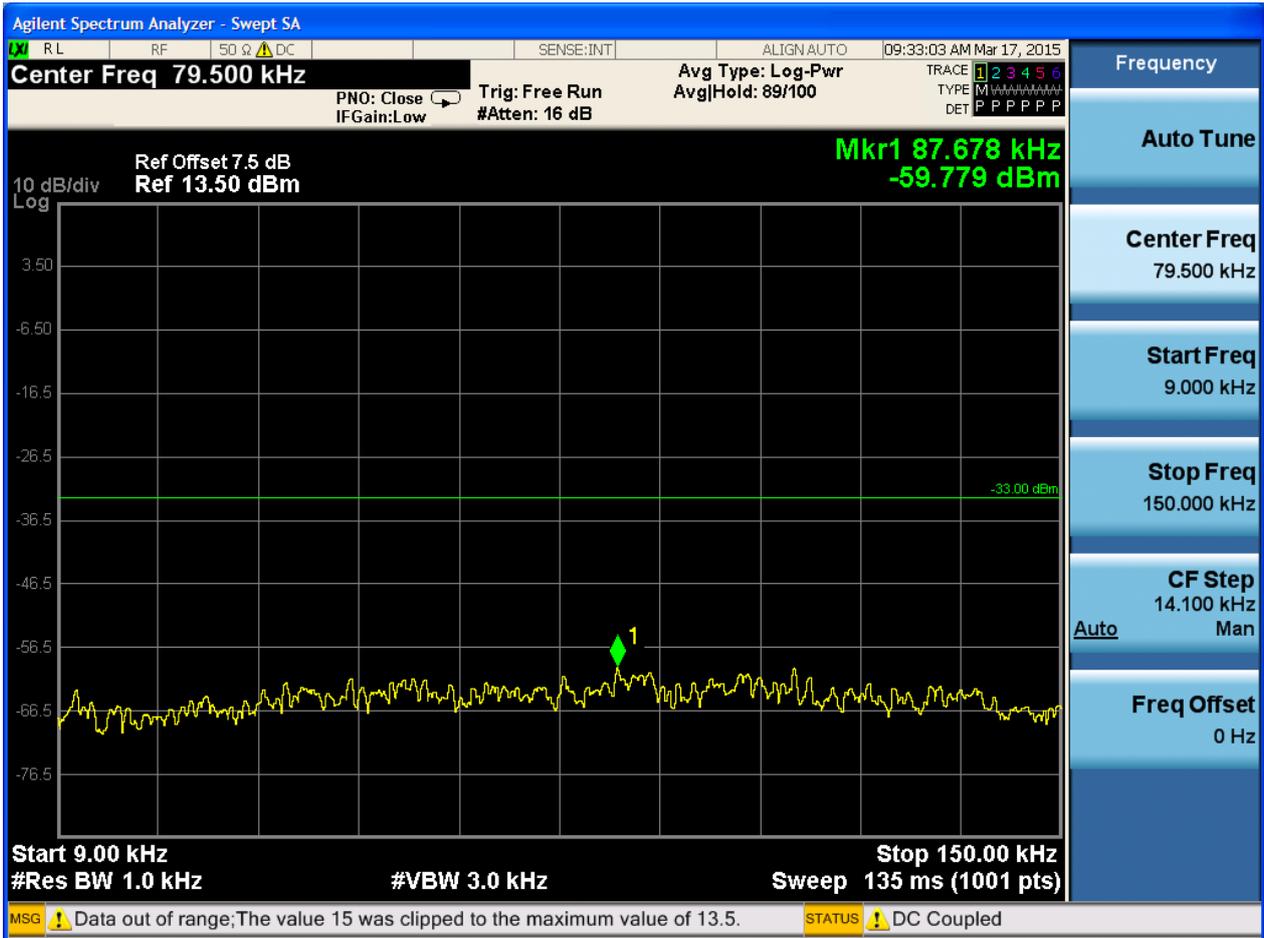
6.1.1 Test Band = BAND26

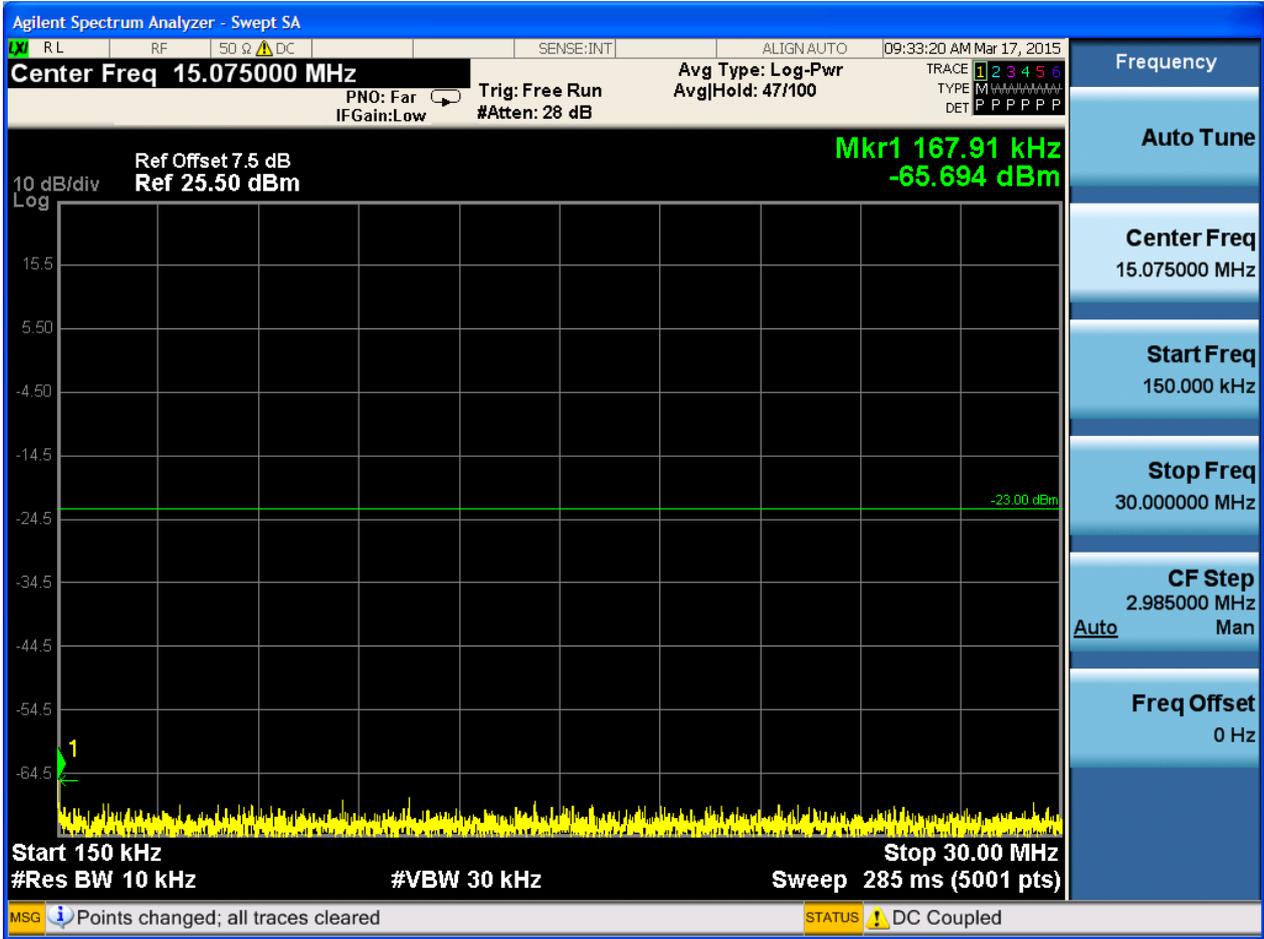
6.1.1.1 Test Mode = LTE/TM1

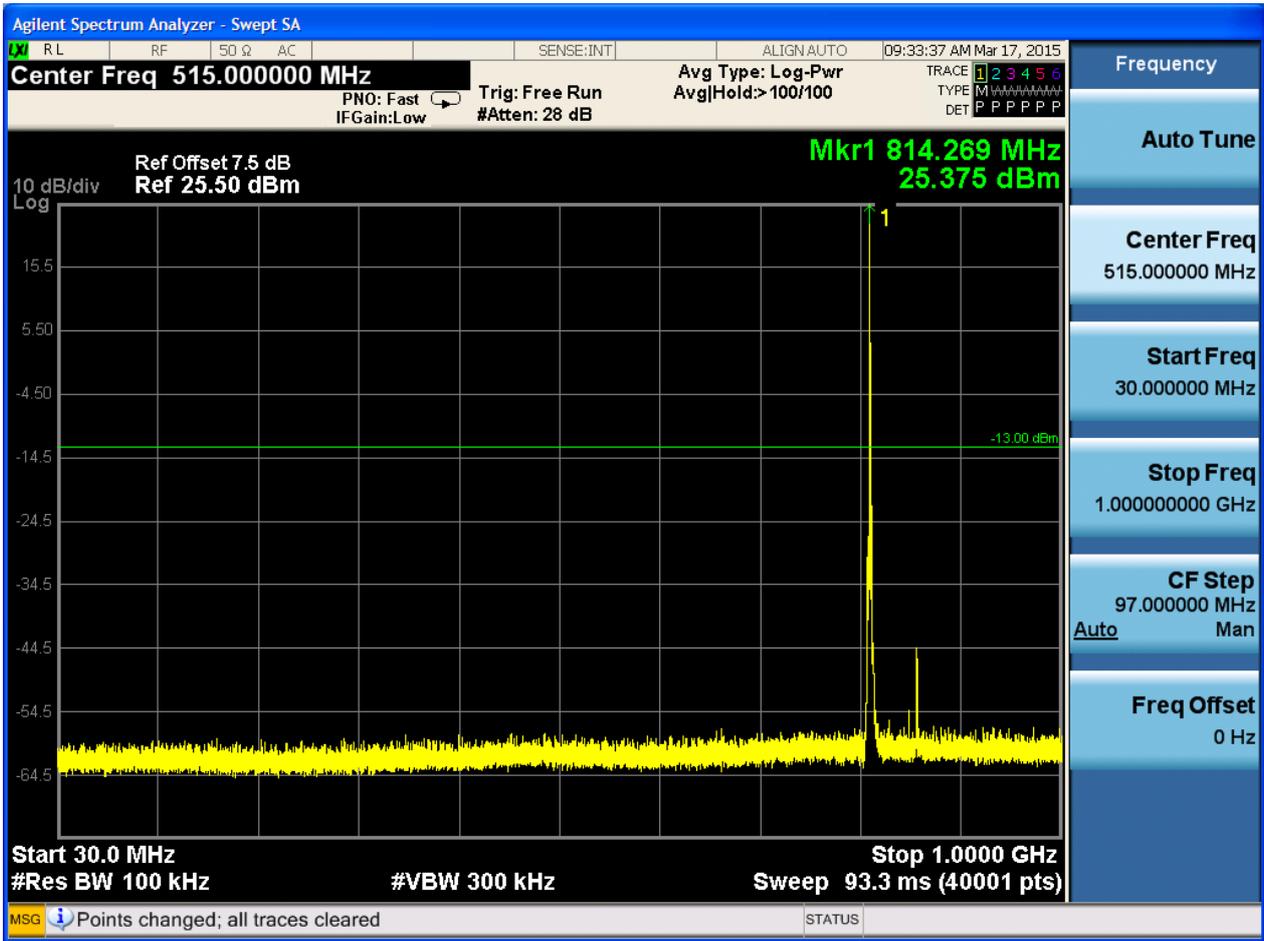
6.1.1.1.1 Test Bandwidth = 1.4

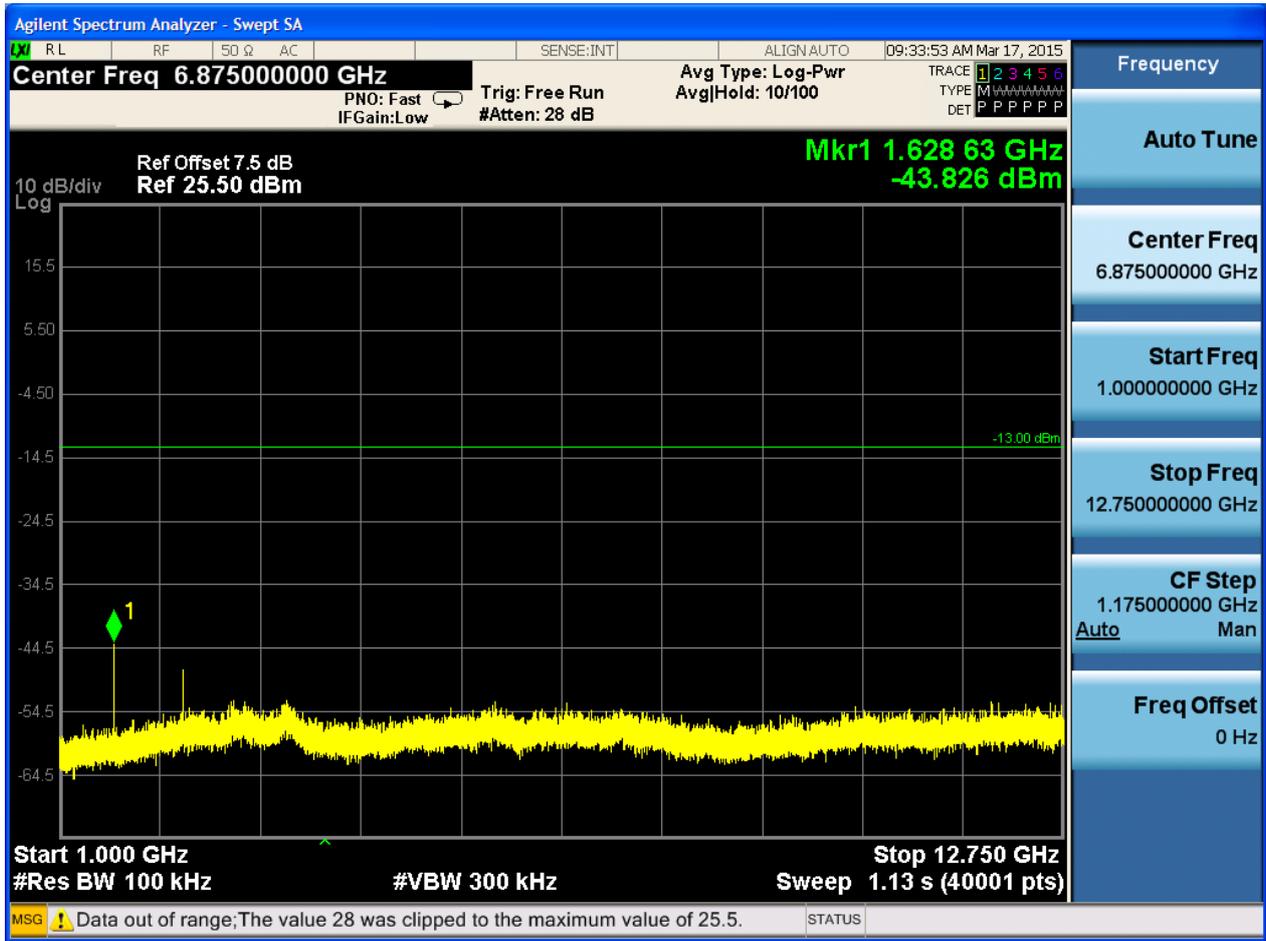
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



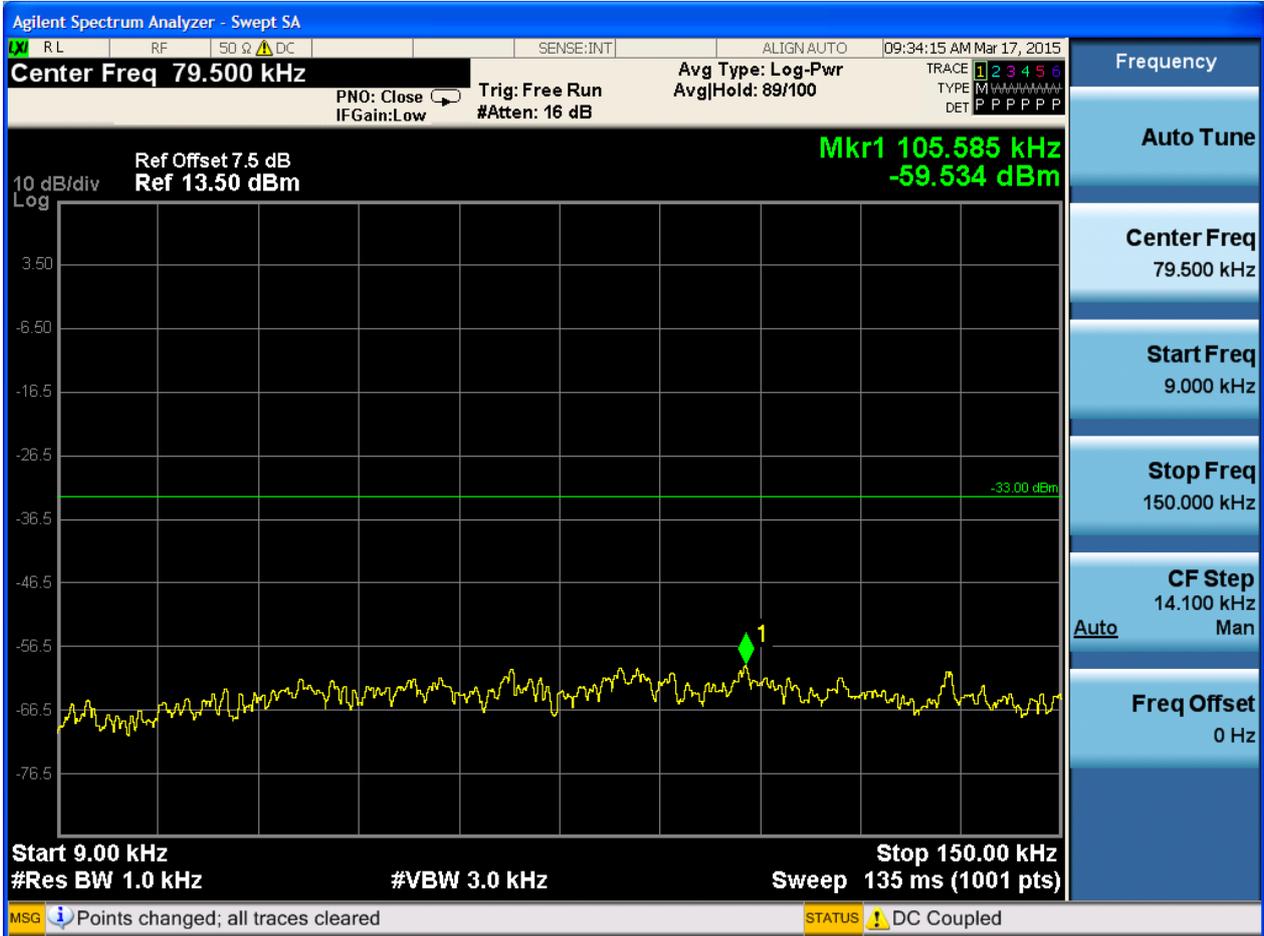


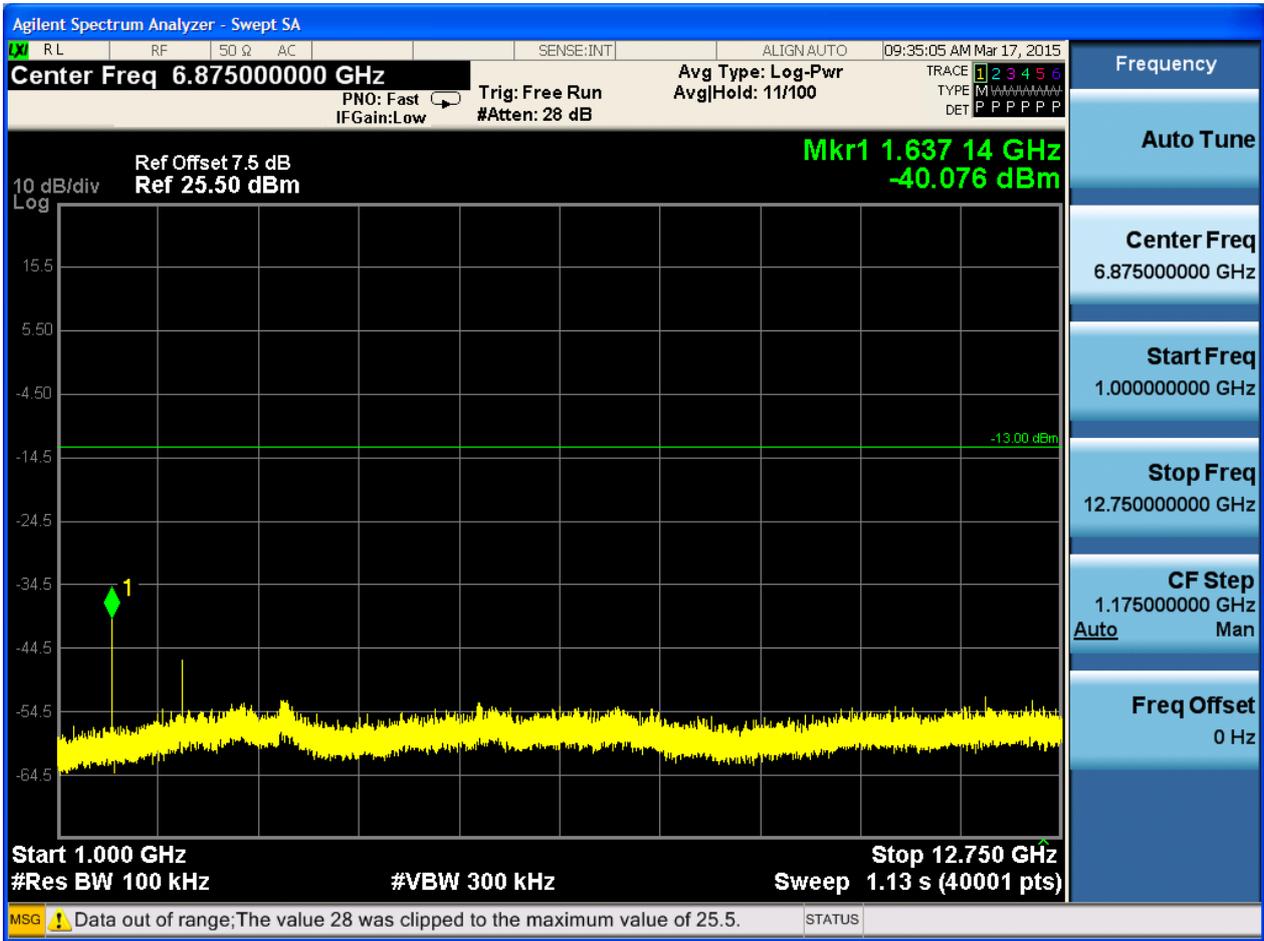




6.1.1.1.1.2 Test Channel = MCH

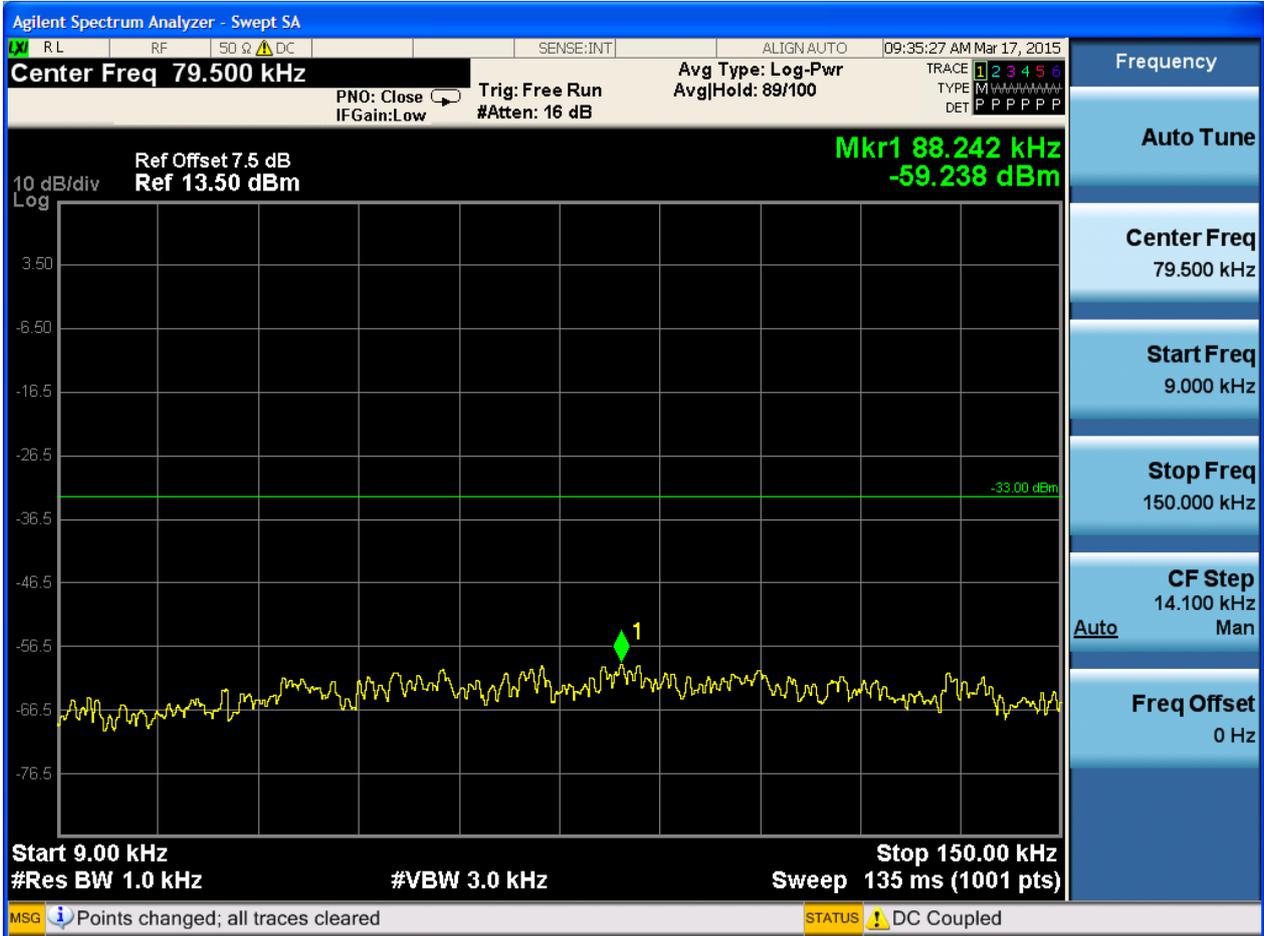
6.1.1.1.1.2.1 Test RB = RB1#0



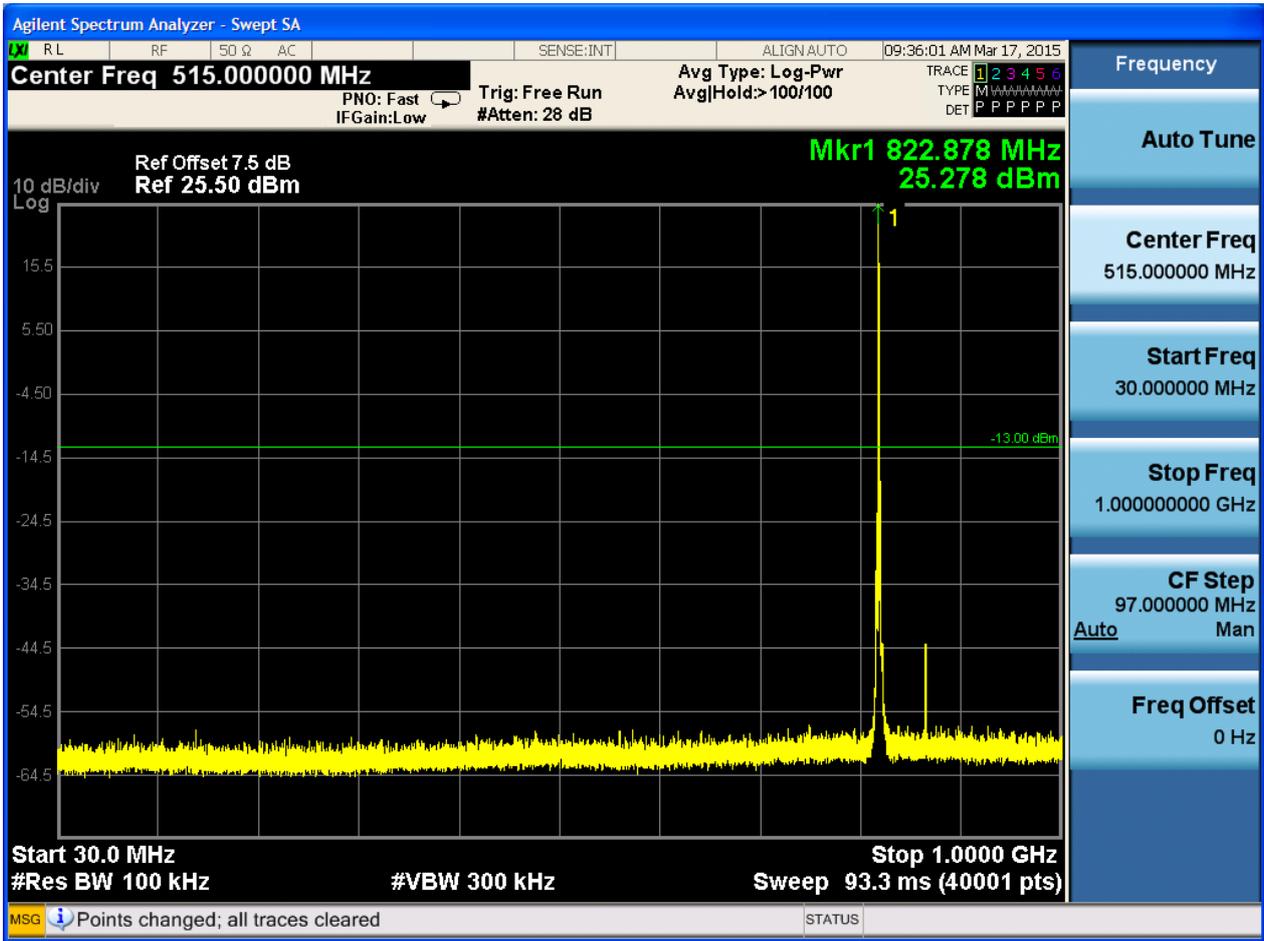


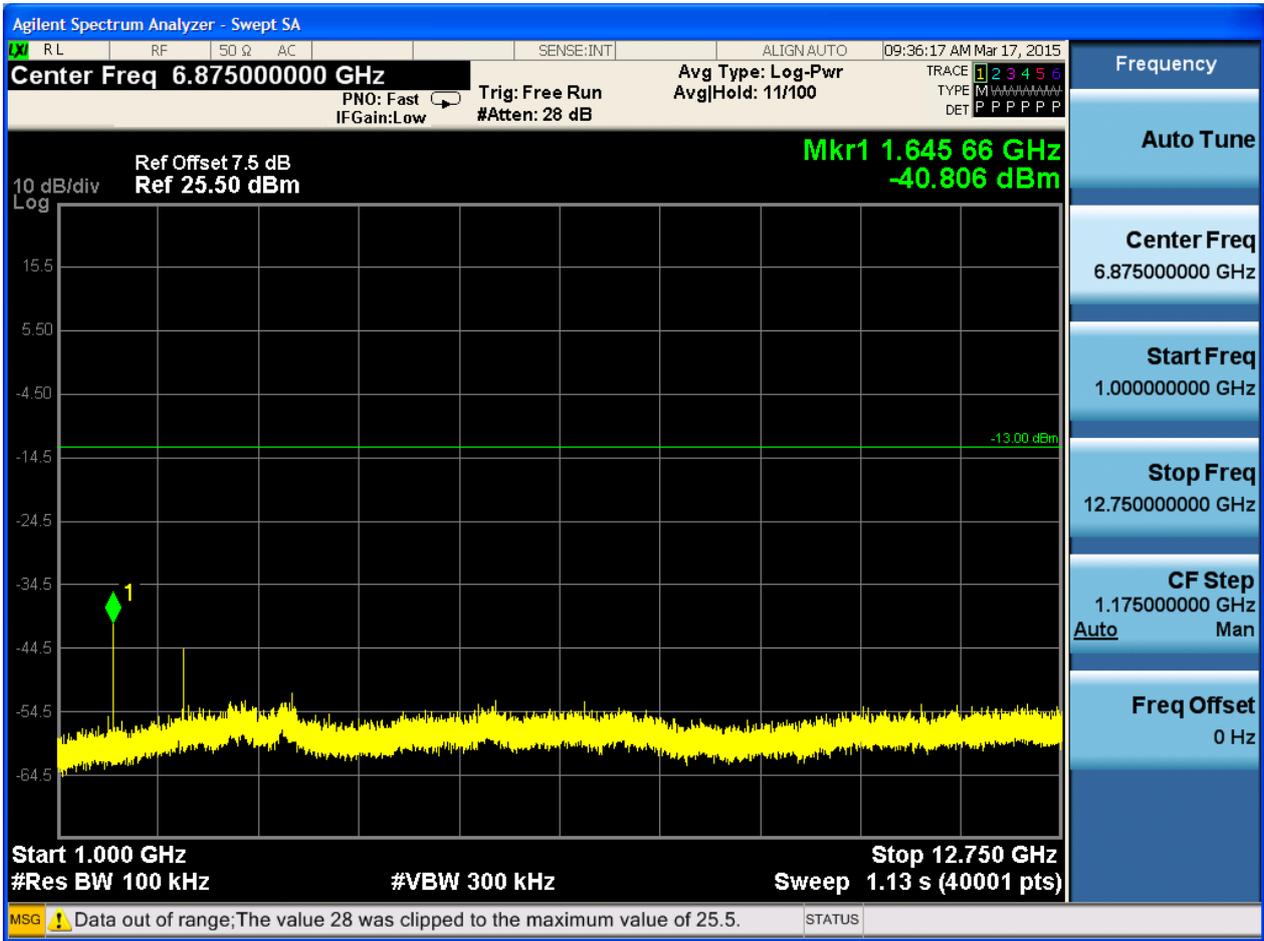
6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0







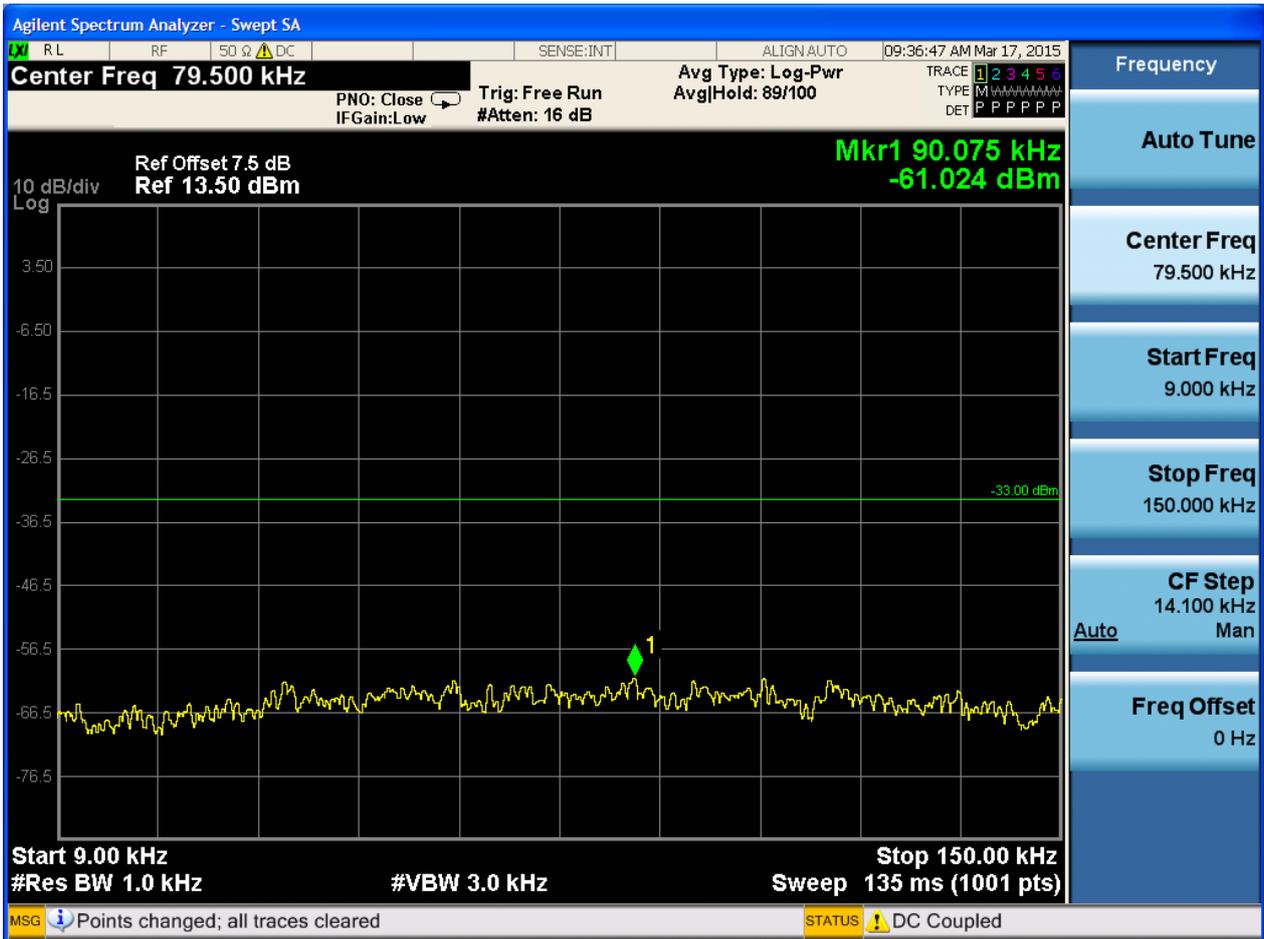




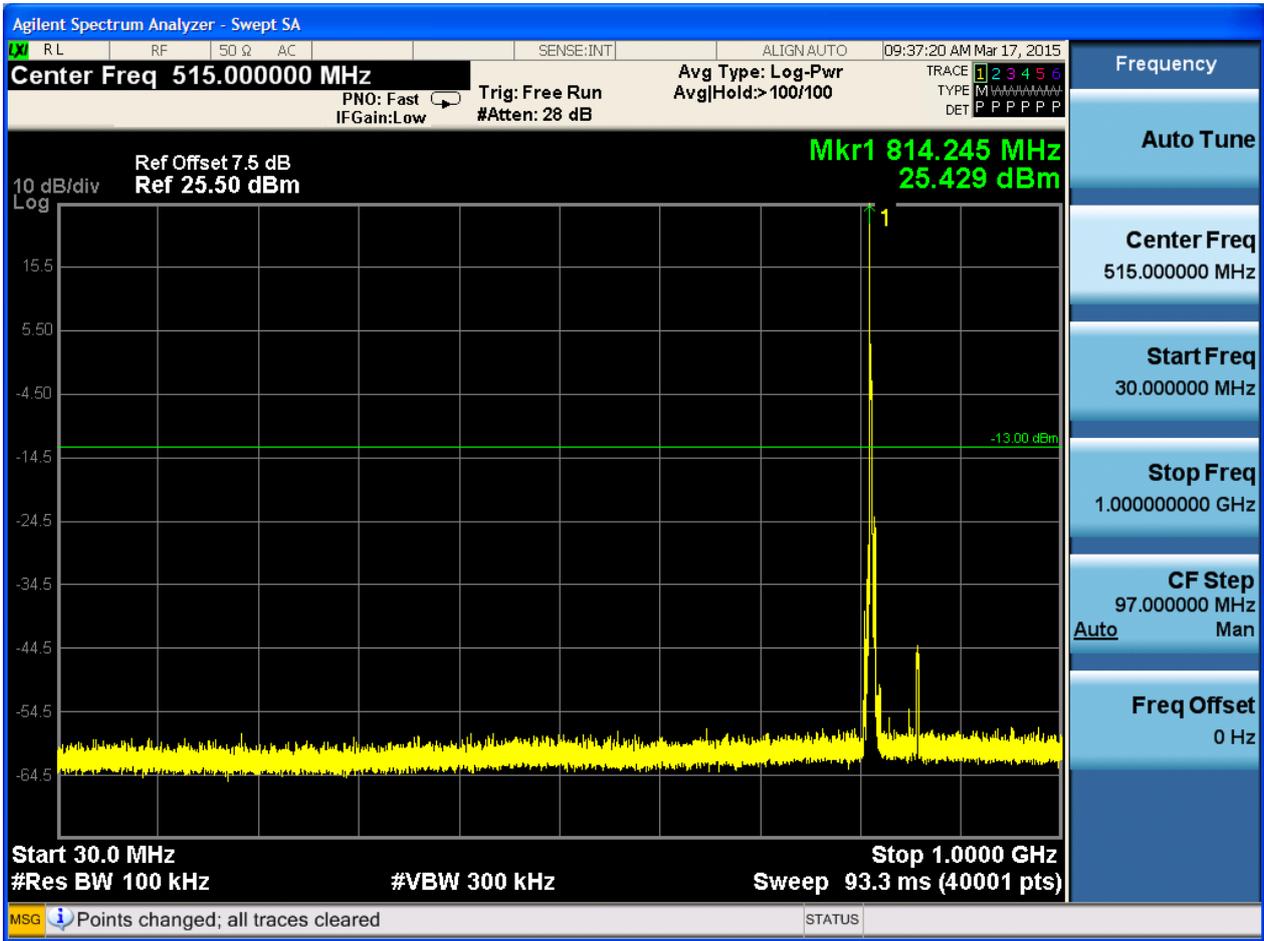
6.1.1.1.2 Test Bandwidth = 3

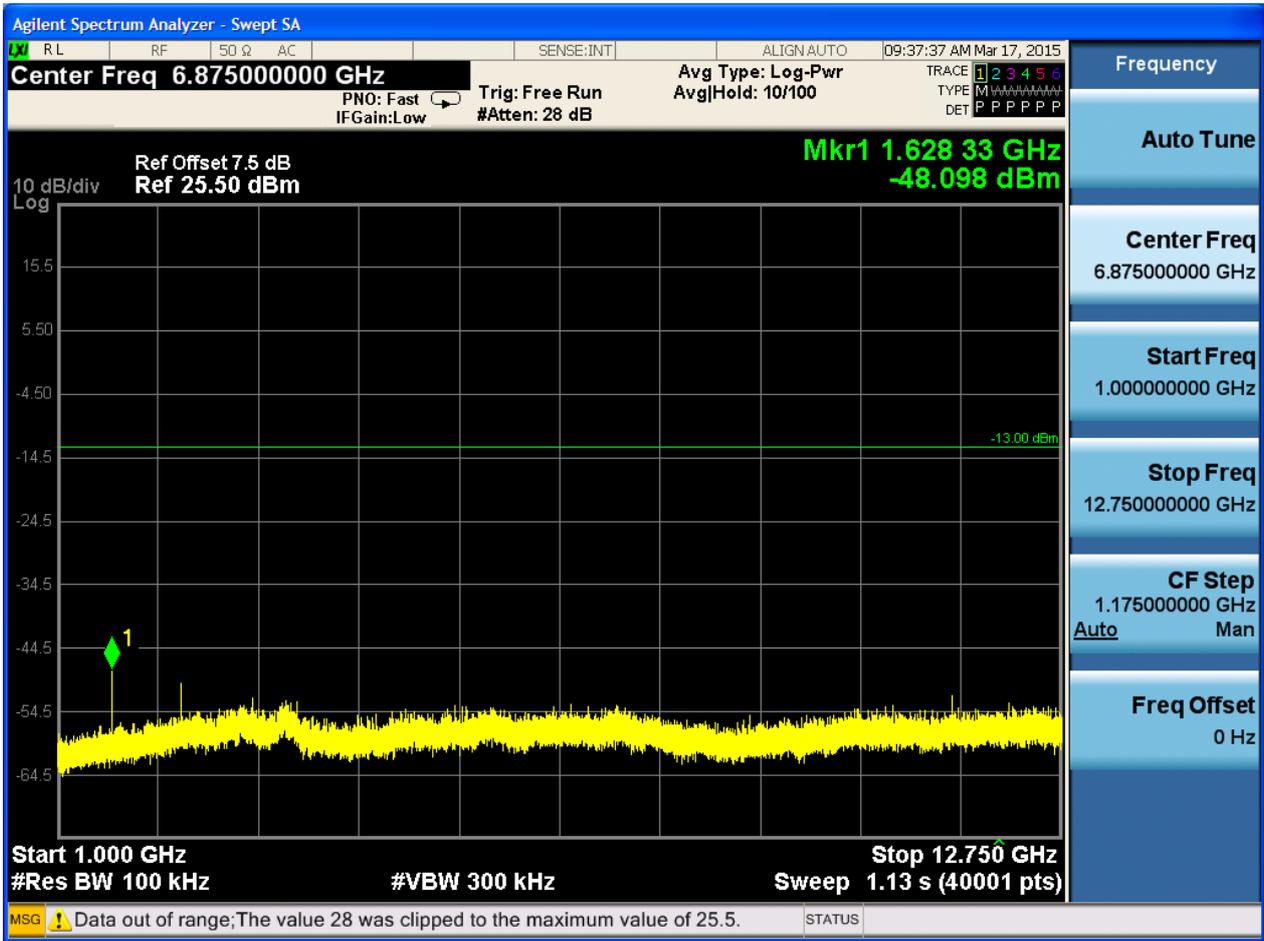
6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0











6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

