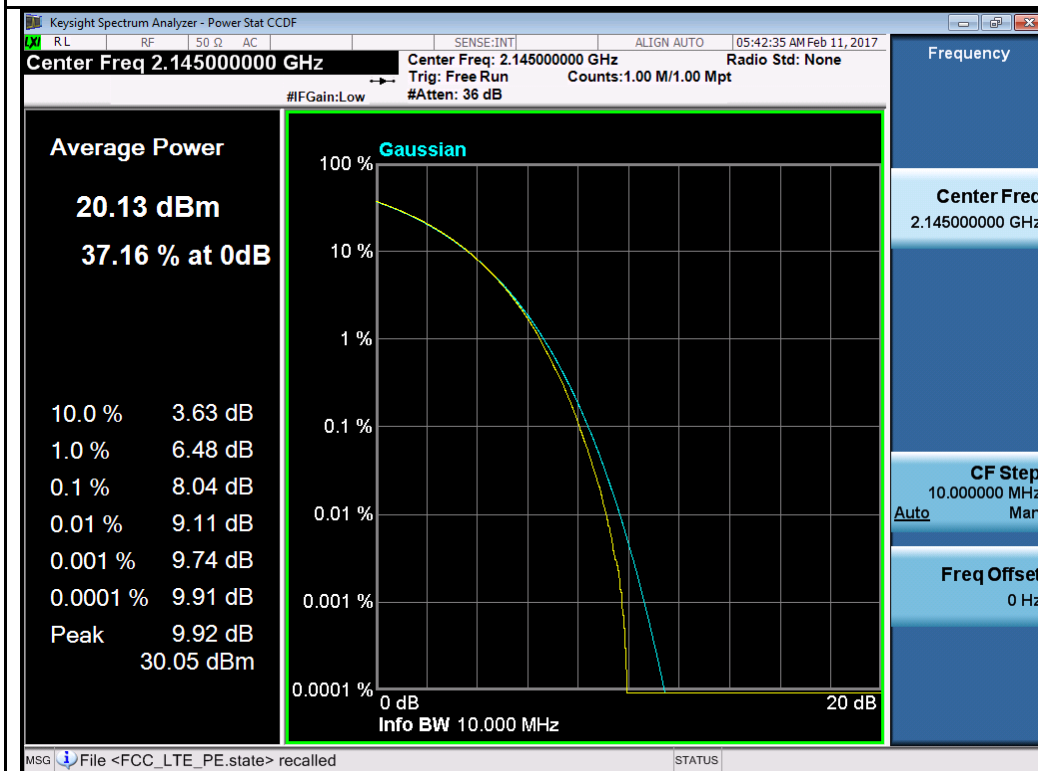
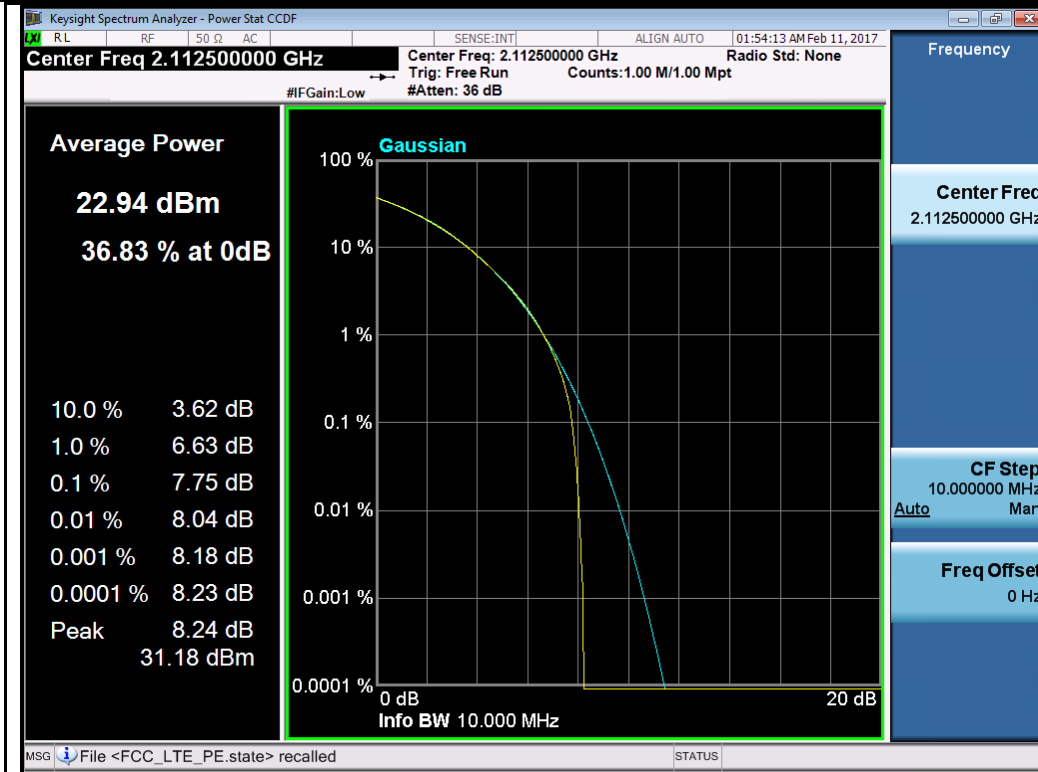


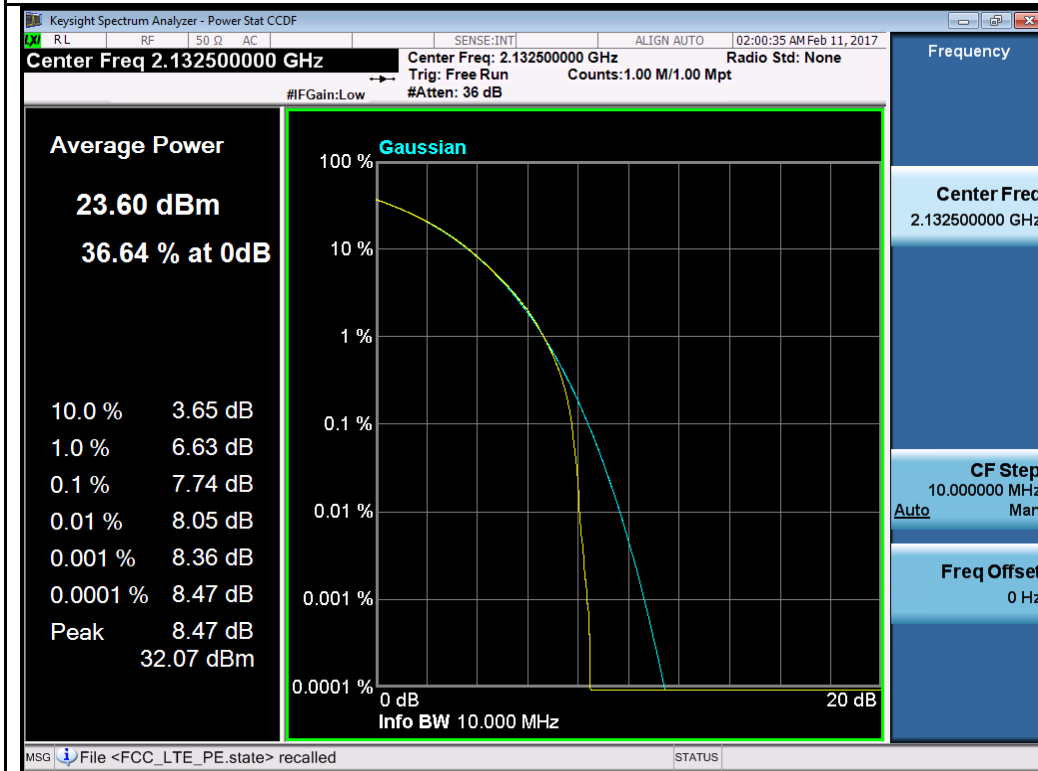
**BW 20M QPSK Mid**



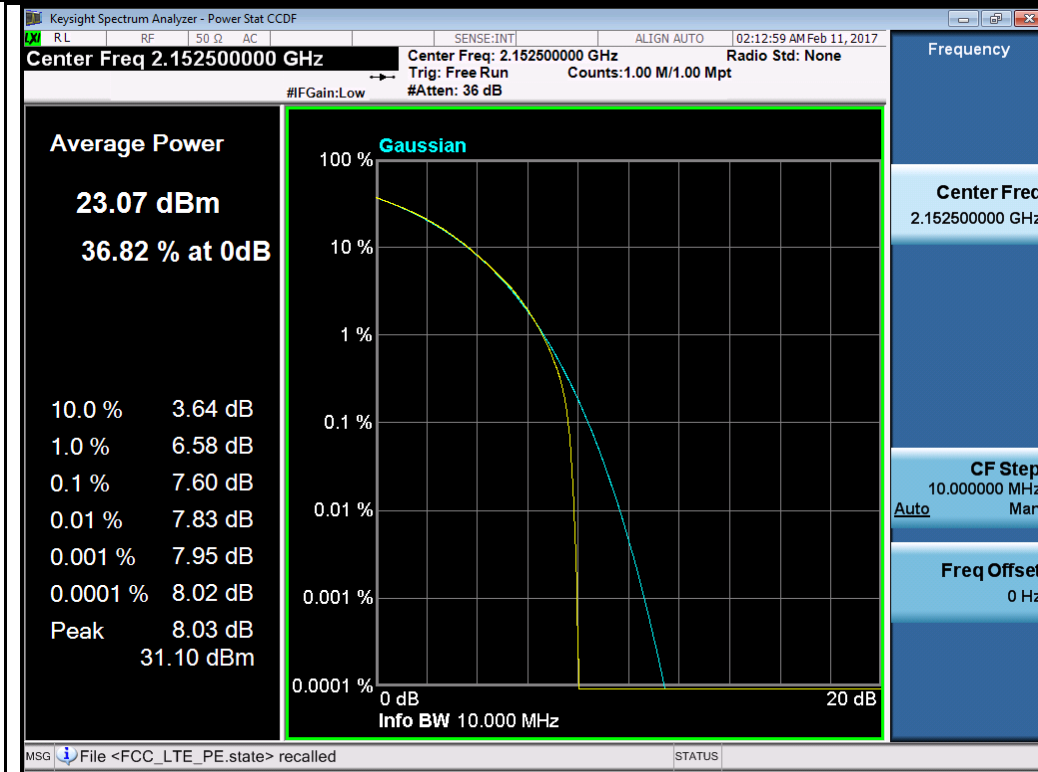
**BW 20M QPSK High**



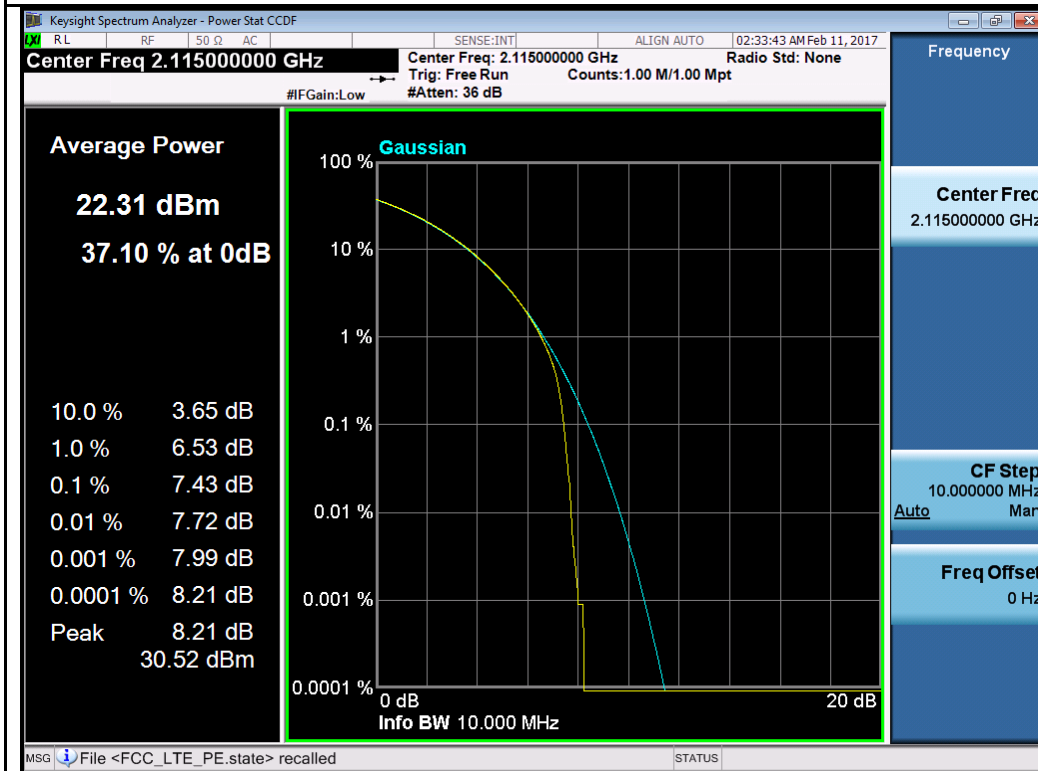
**BW 5M 64QAM Low**



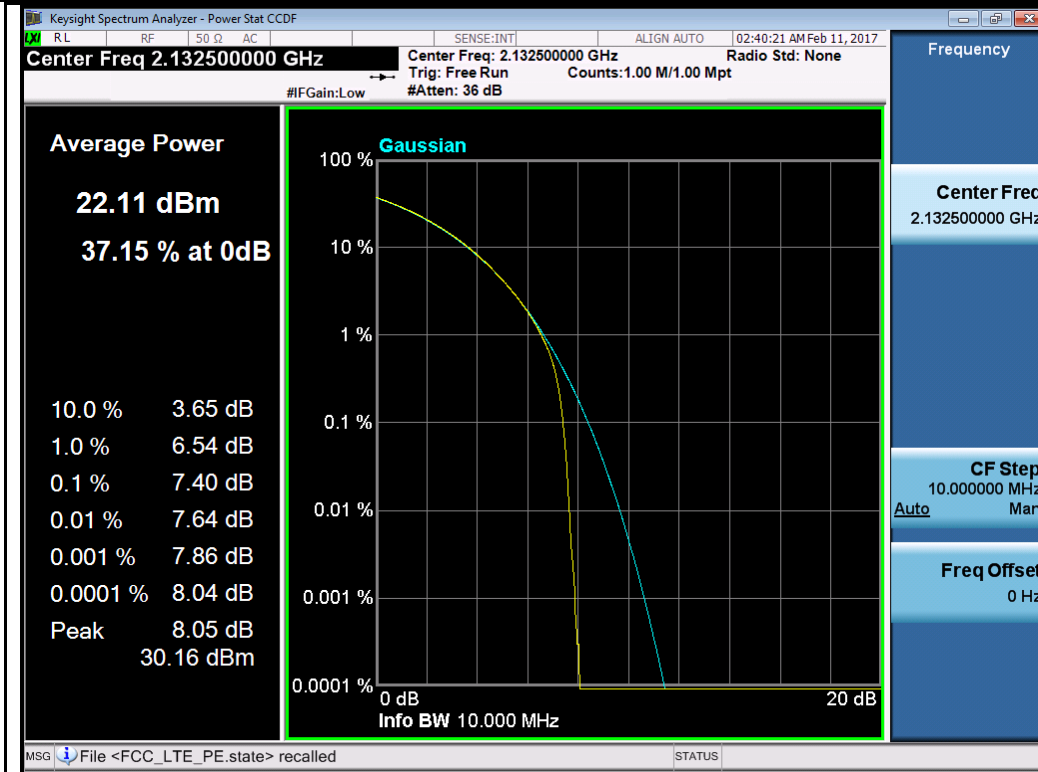
**BW 5M 64QAM Mid**



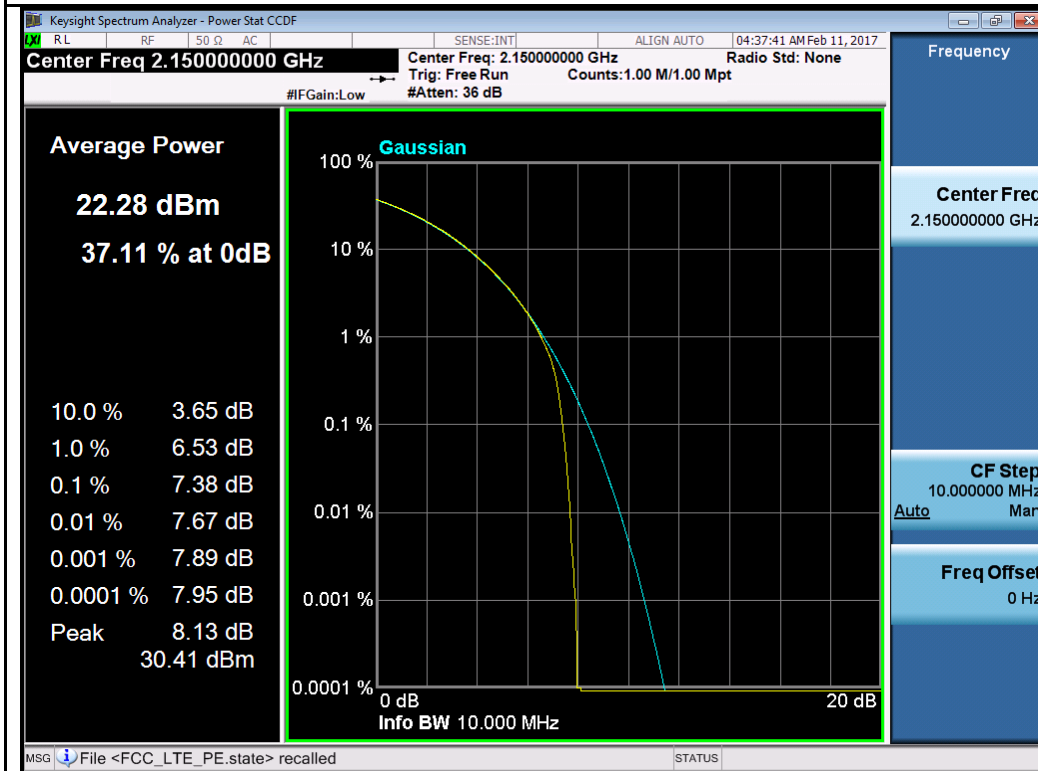
**BW 5M 64QAM High**



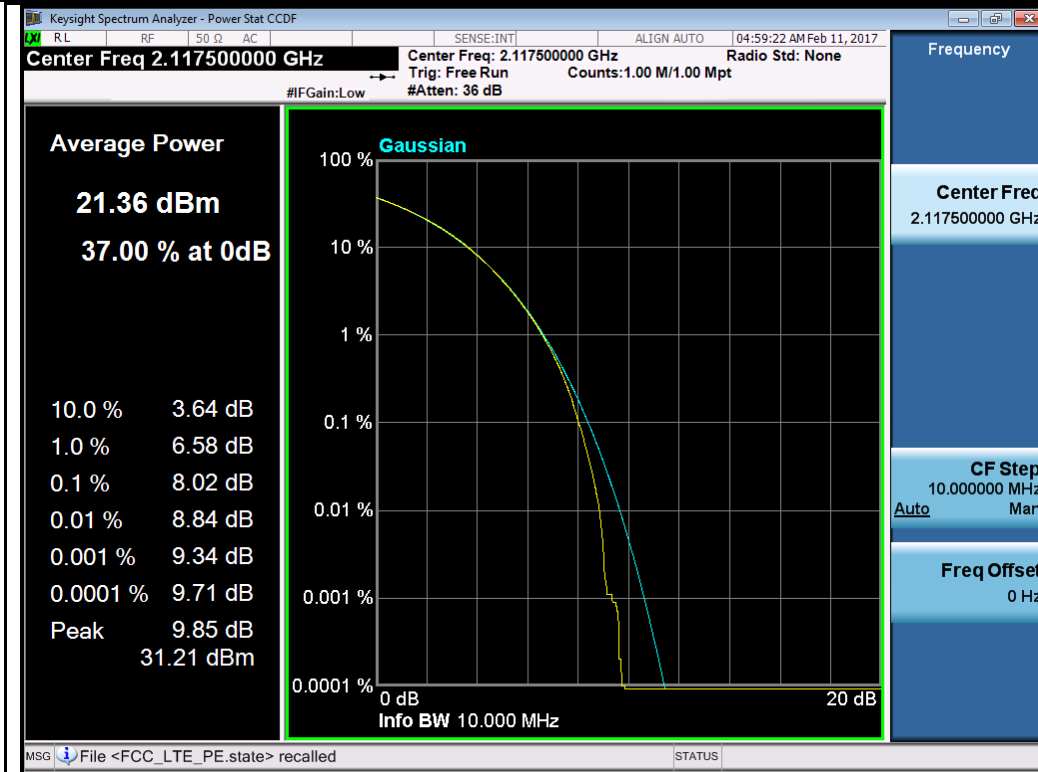
**BW 10M 64QAM Low**



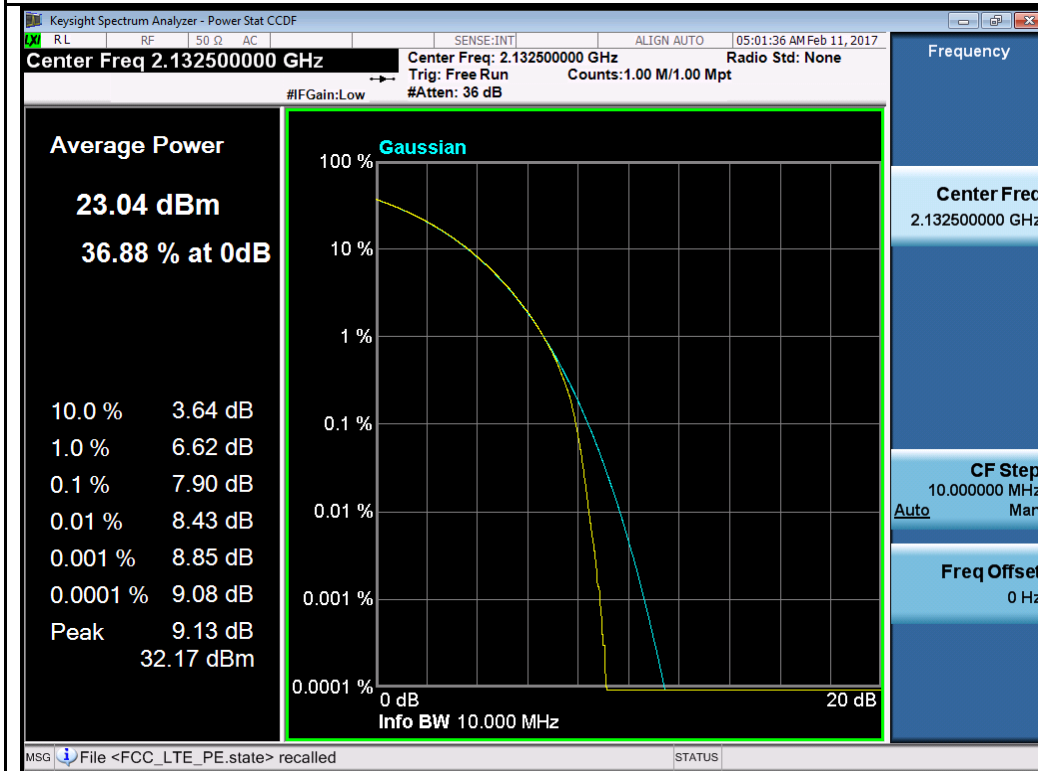
BW 10M 64QAM Mid



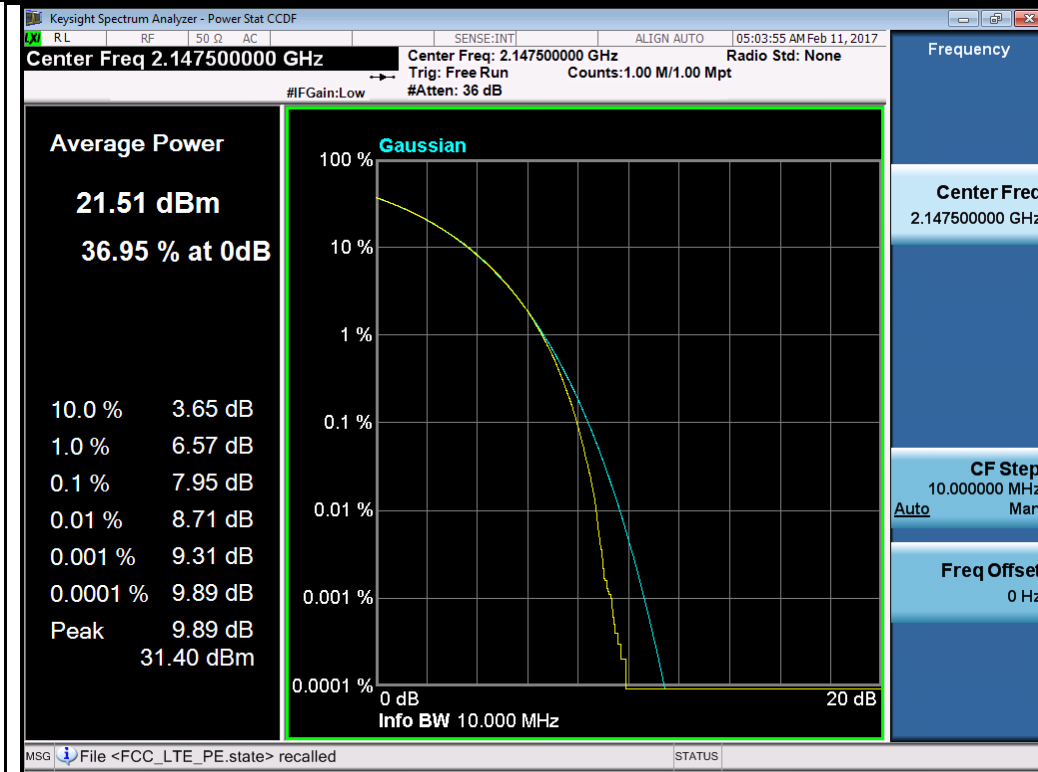
BW 10M 64QAM High



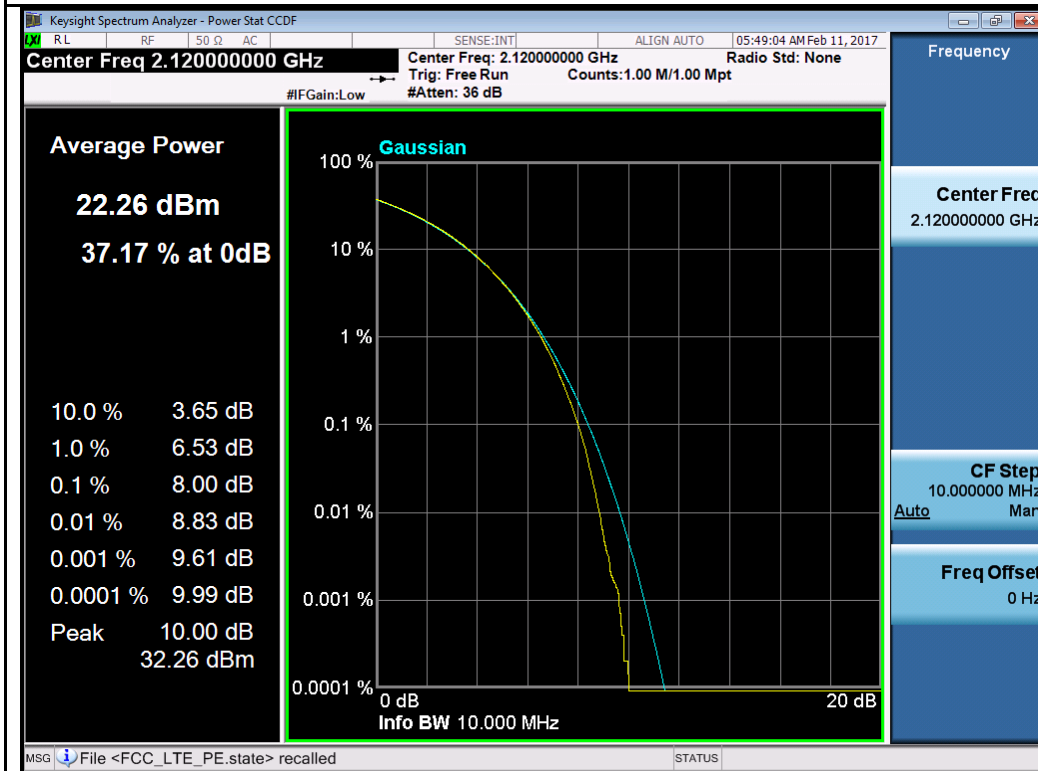
**BW 15M 64QAM Low**



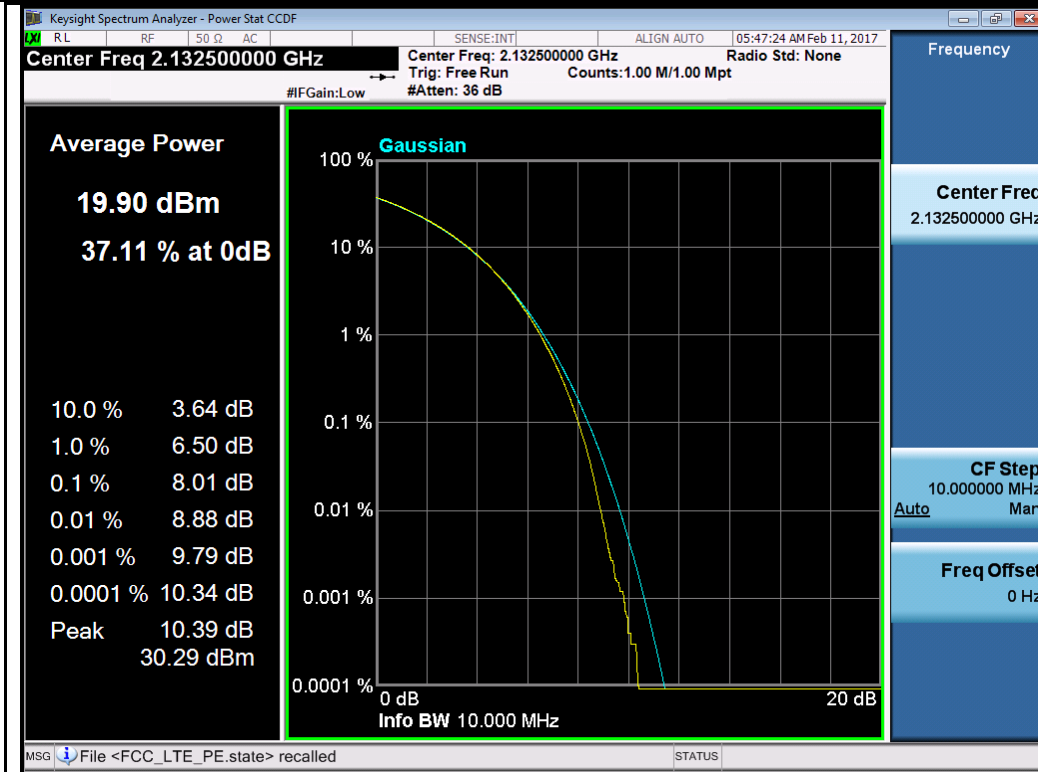
**BW 15M 64QAM Mid**



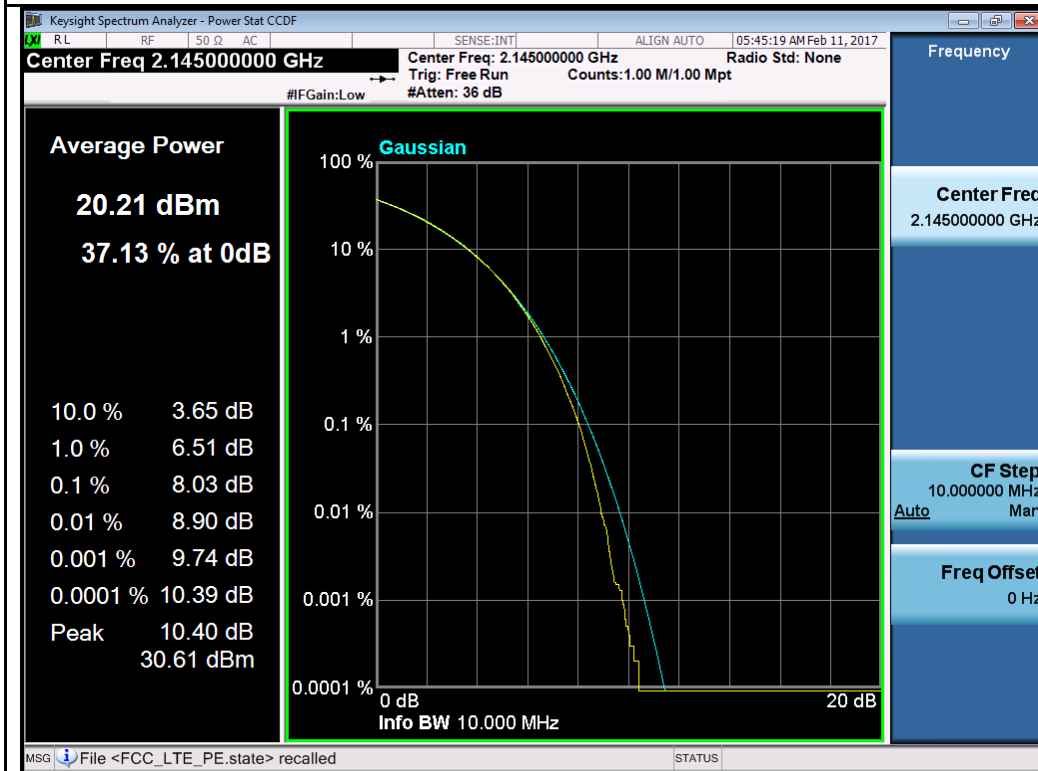
**BW 15M 64QAM High**



**BW 20M 64QAM Low**

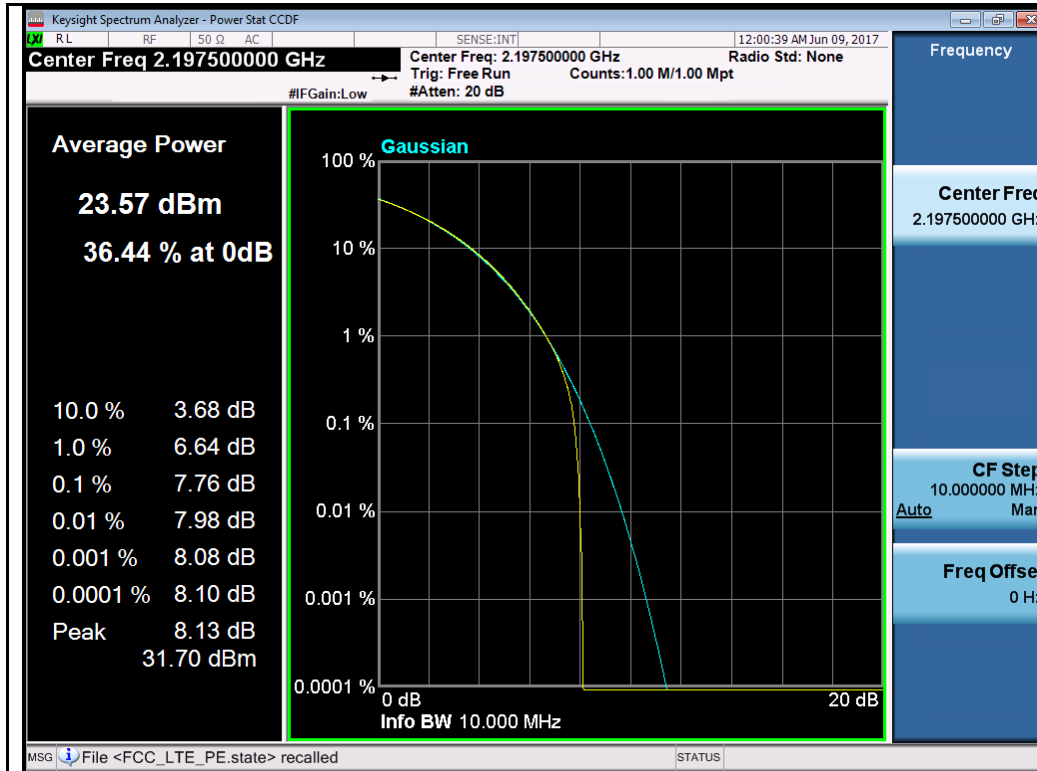


**BW 20M 64QAM Mid**

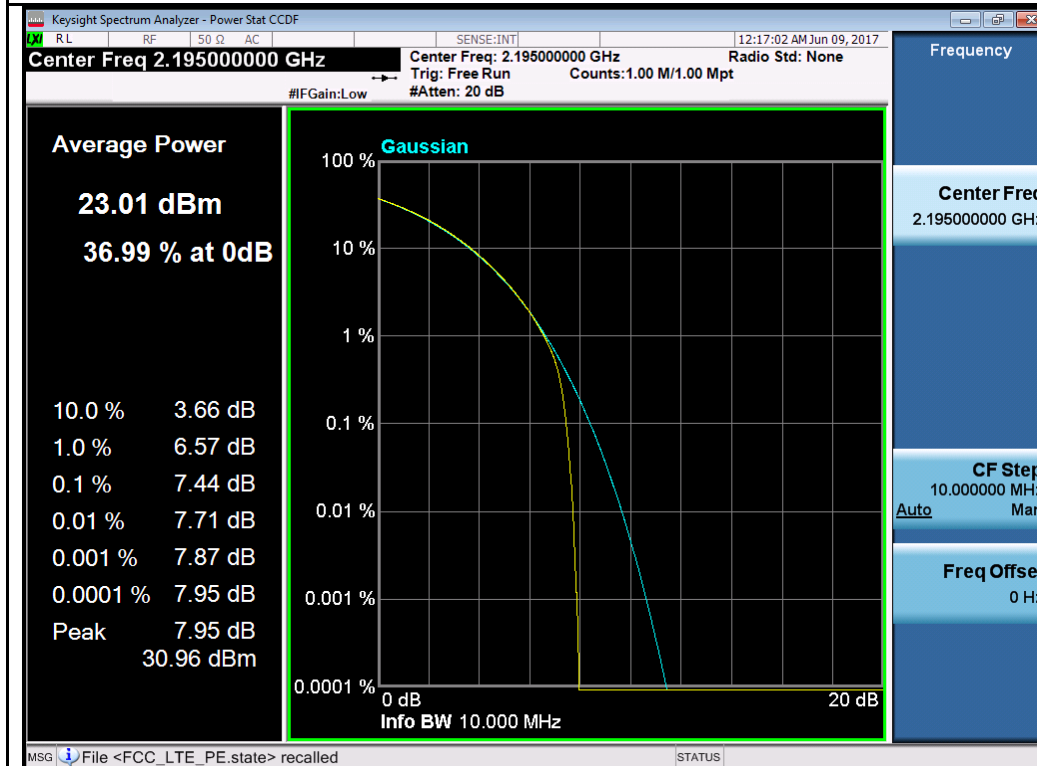


**BW 20M 64QAM High**

Test Plots for LTE band 66:

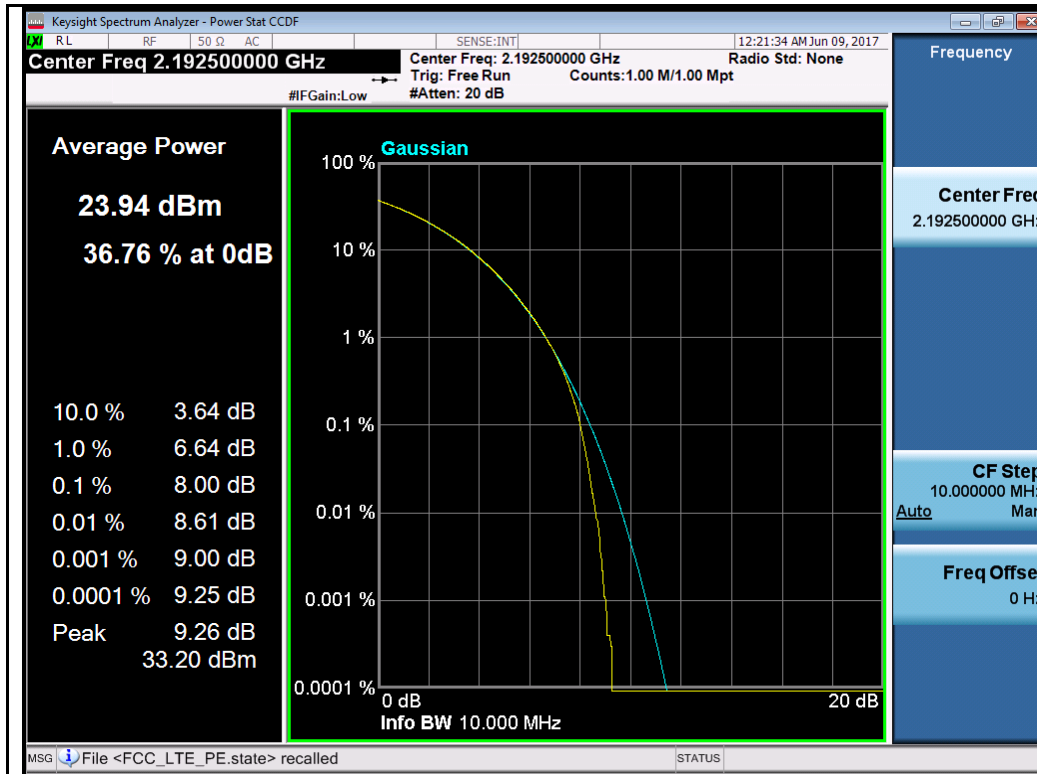


BW 5M QPSK High

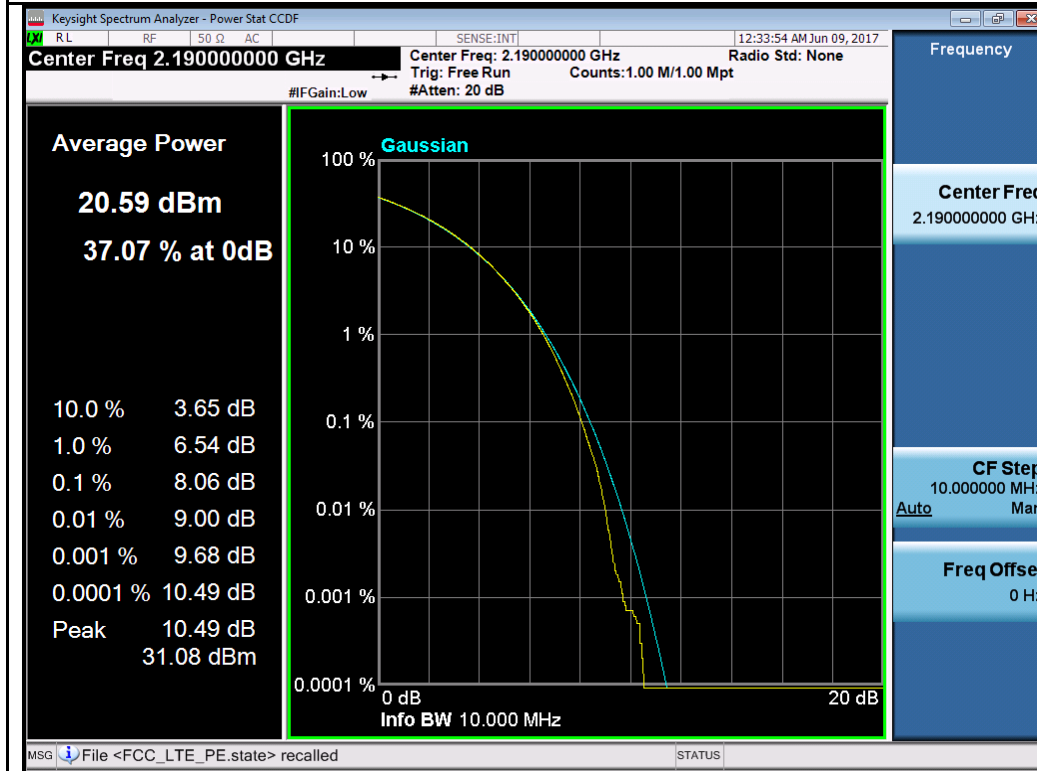


BW 10M QPSK High

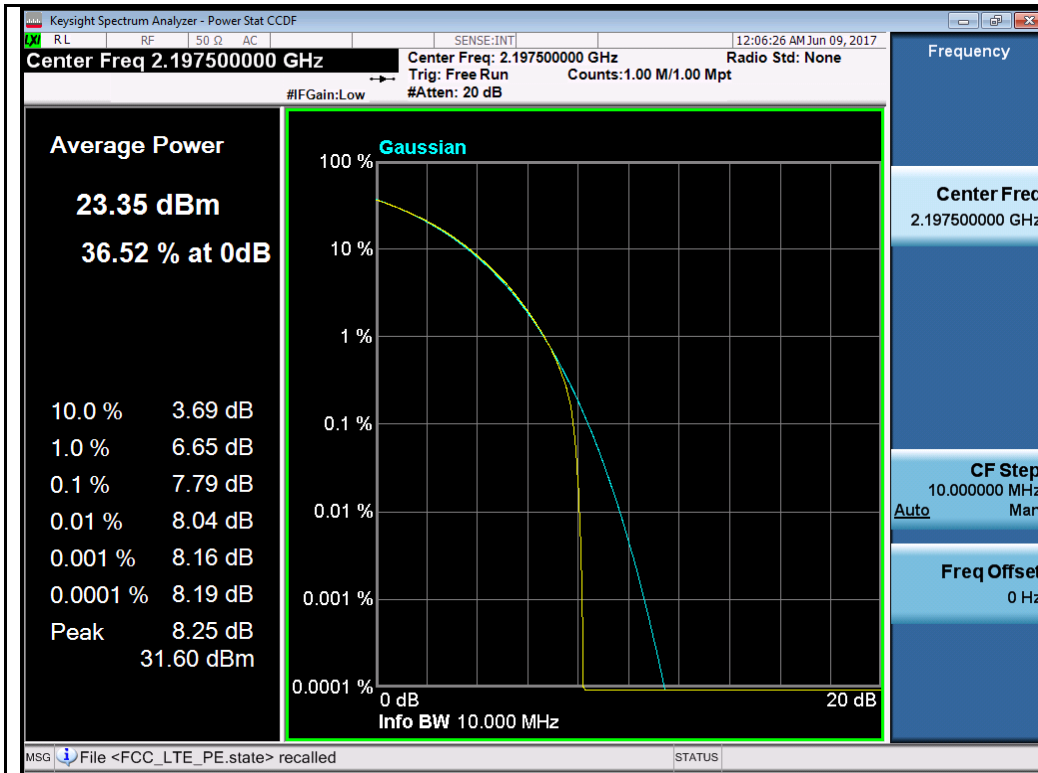




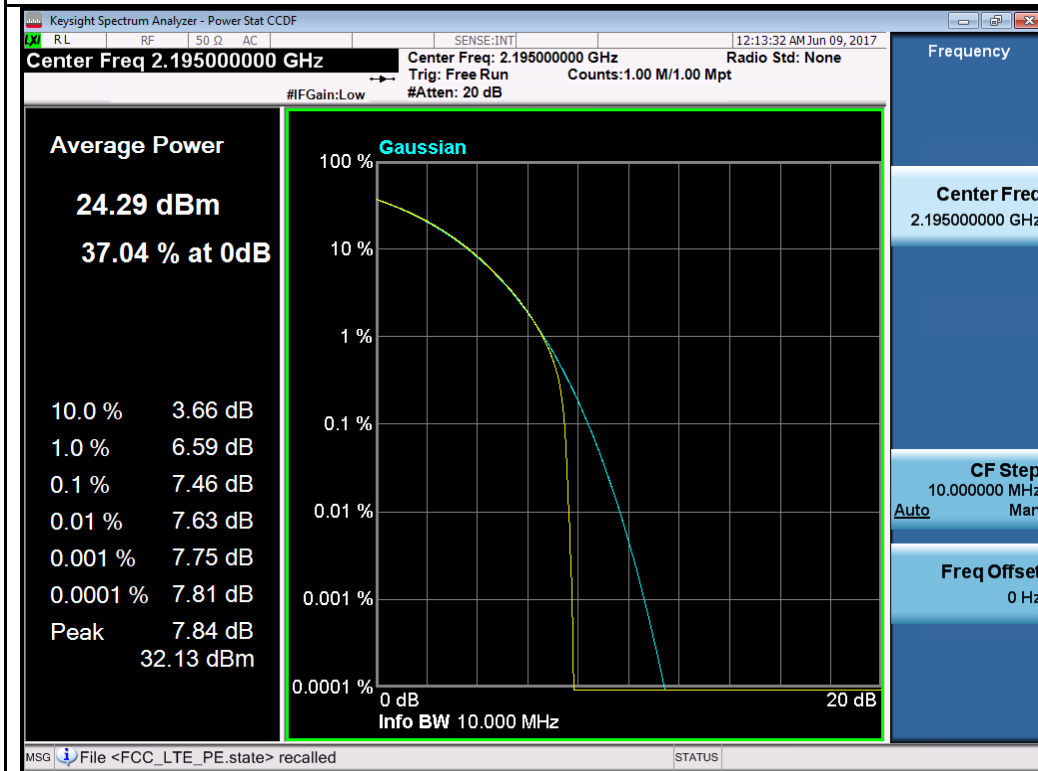
BW 15M QPSK High



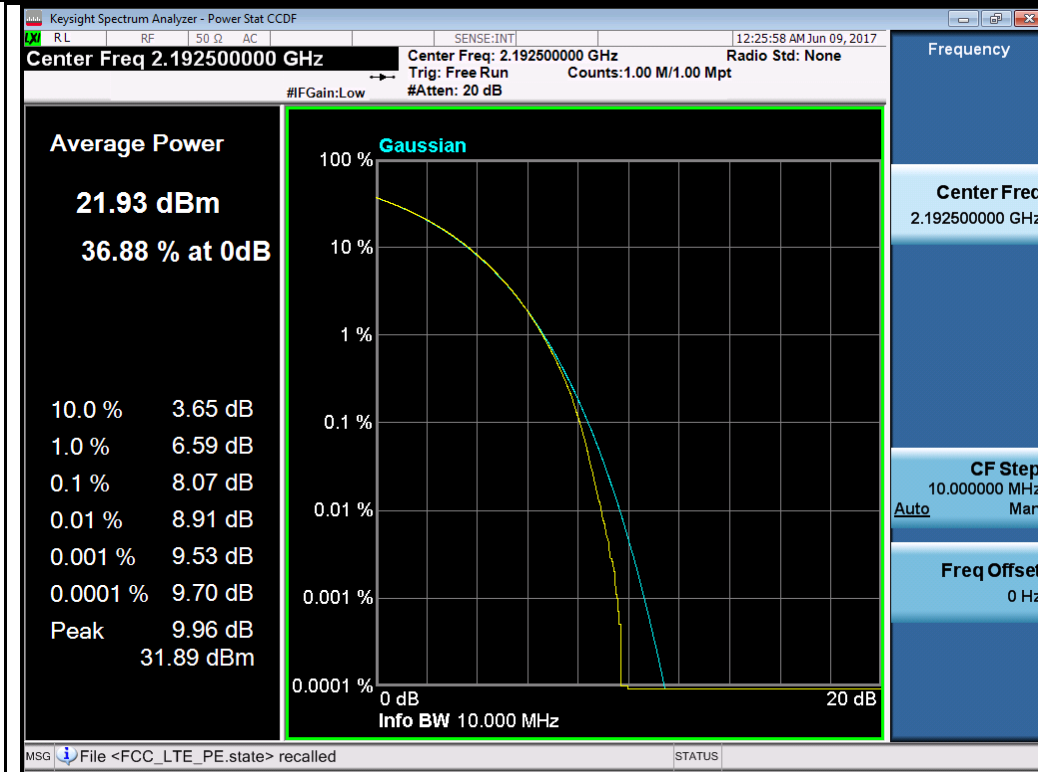
BW 20M QPSK High



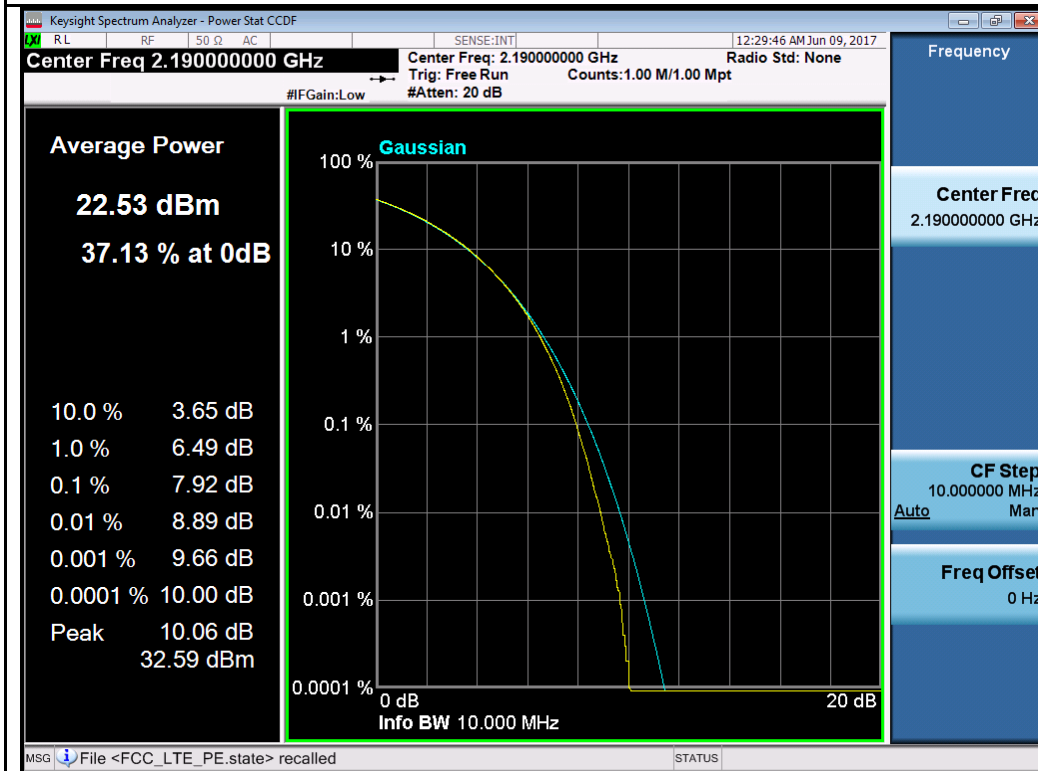
BW 5M 64QAM High



BW 10M 64QAM High

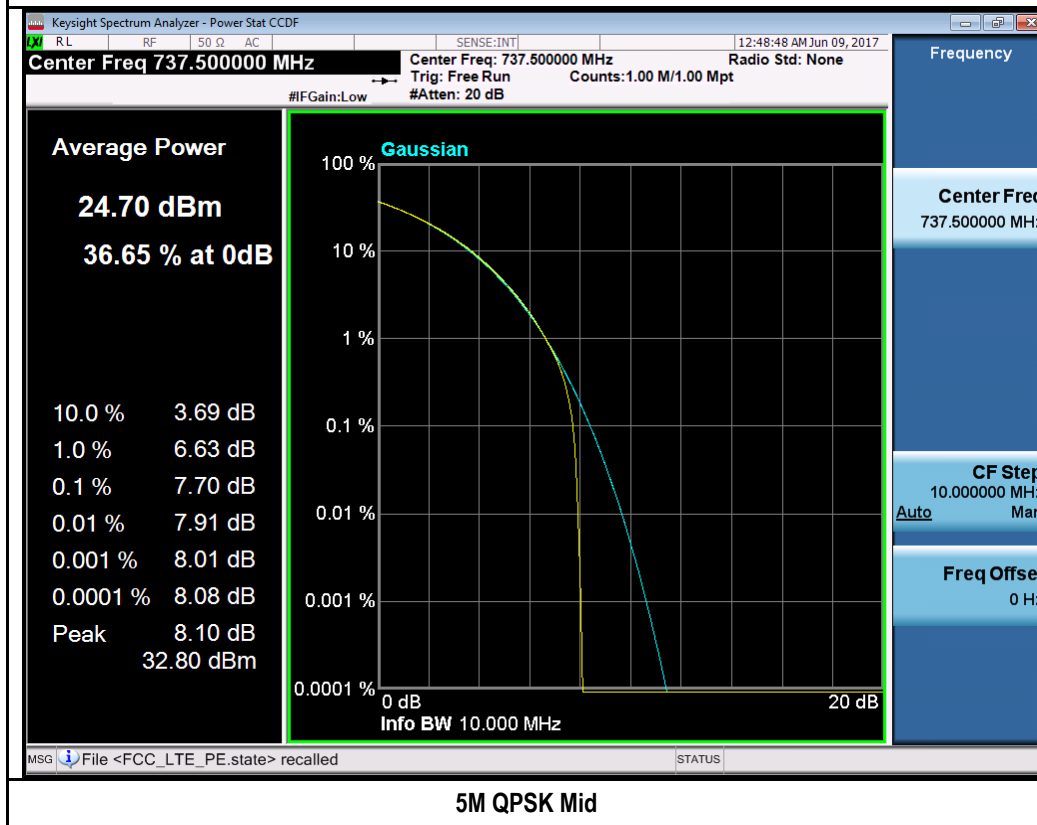
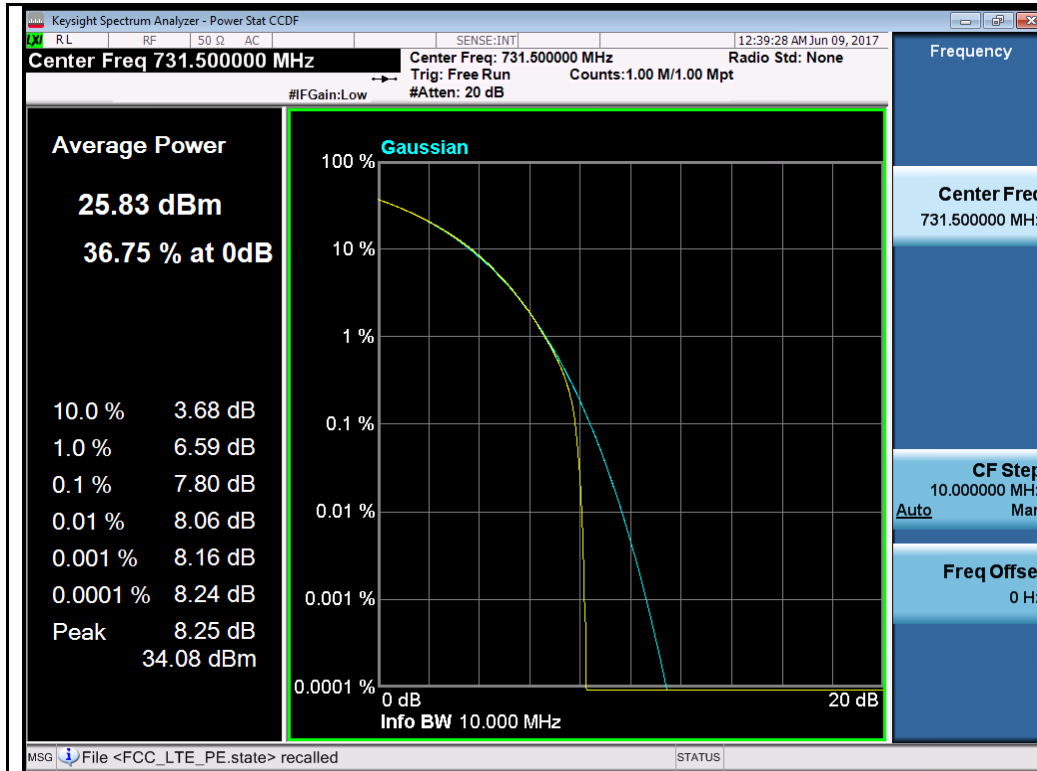


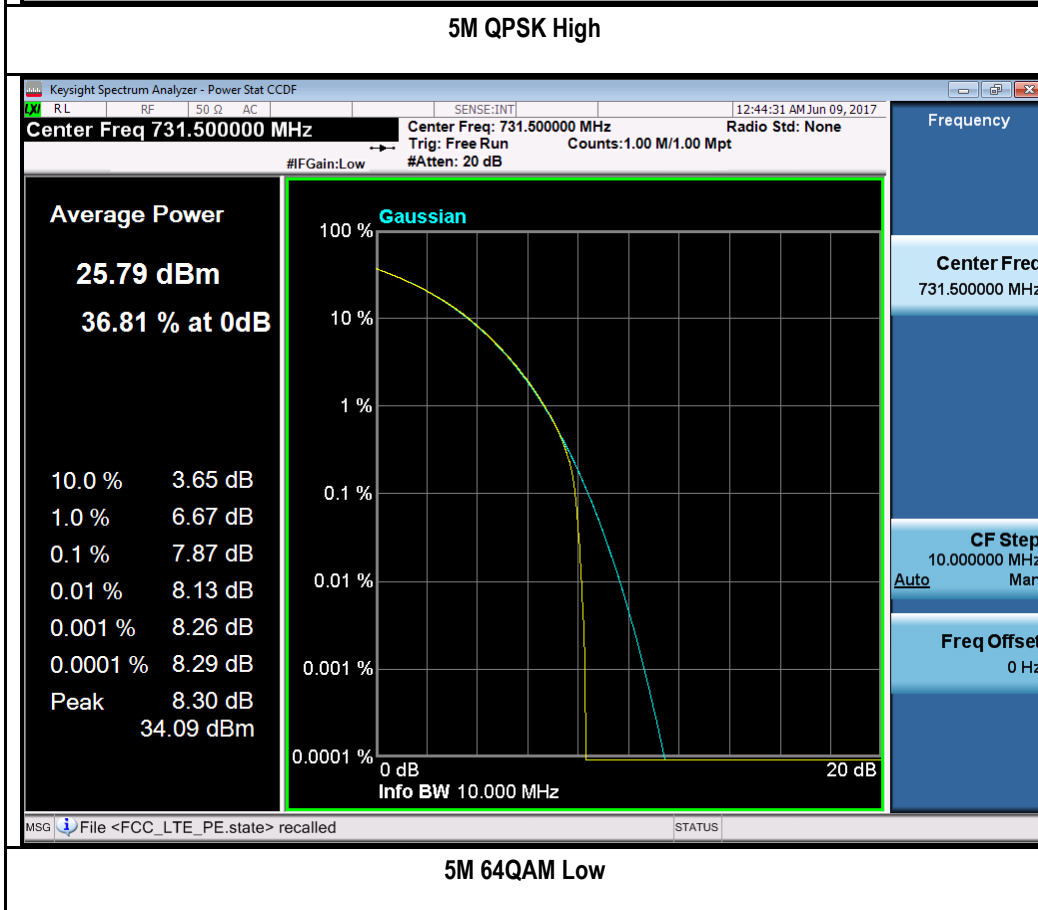
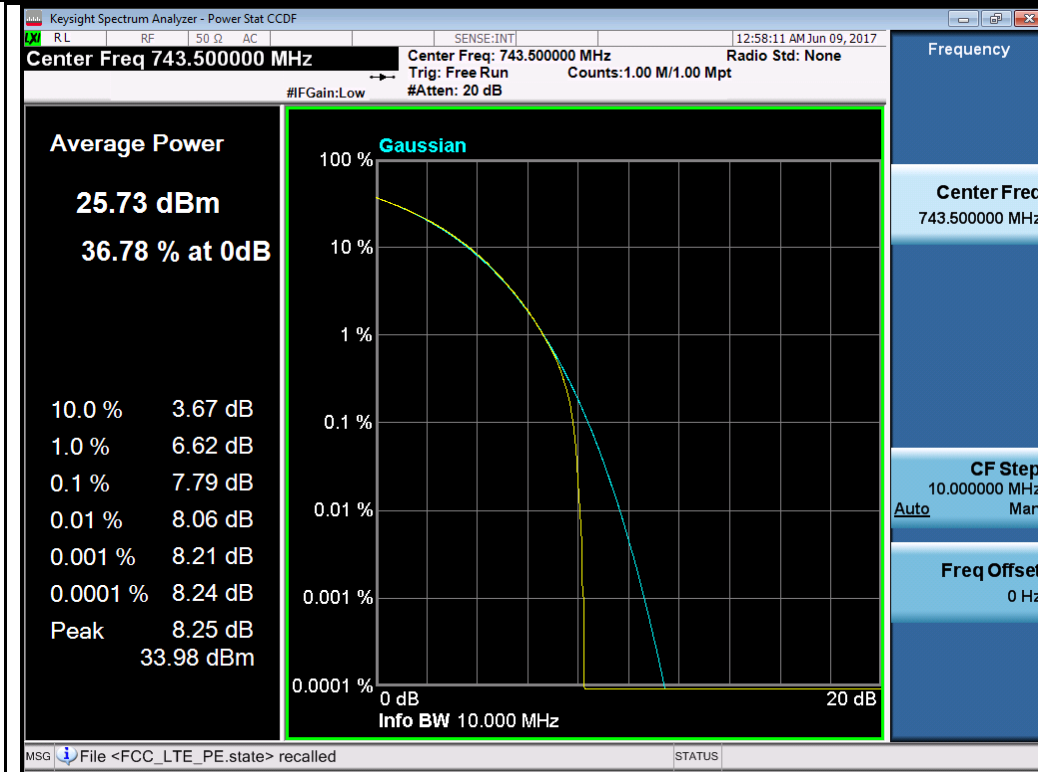
**BW 15M 64QAM High**

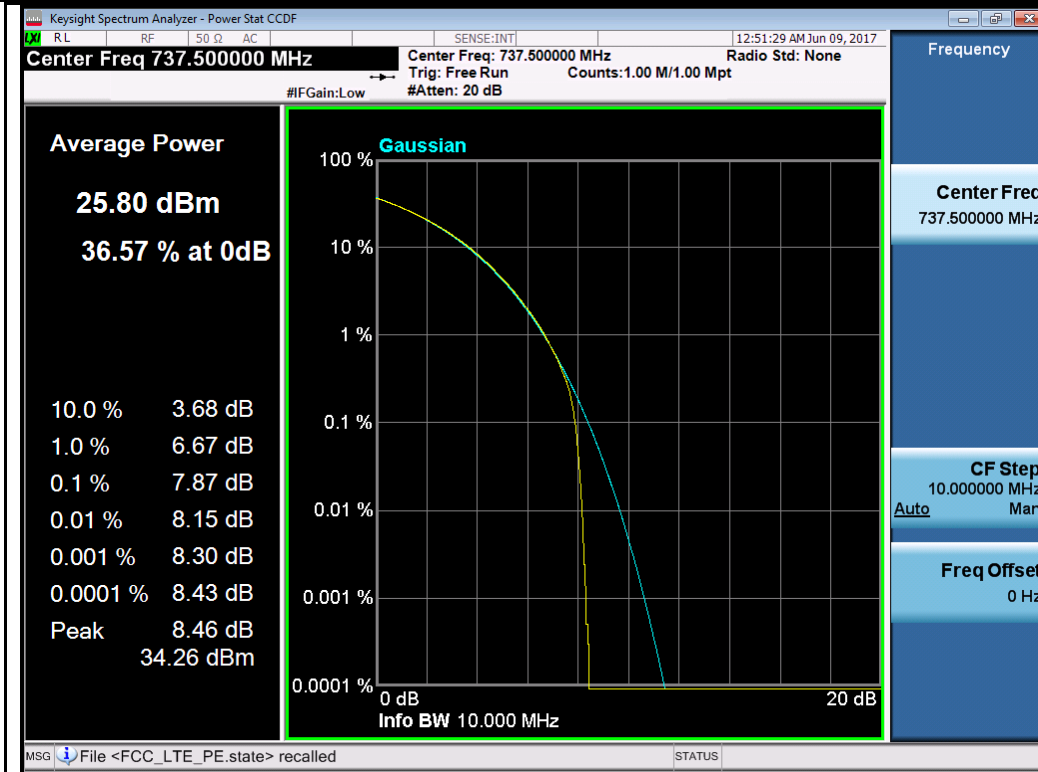


**BW 20M 64QAM High**

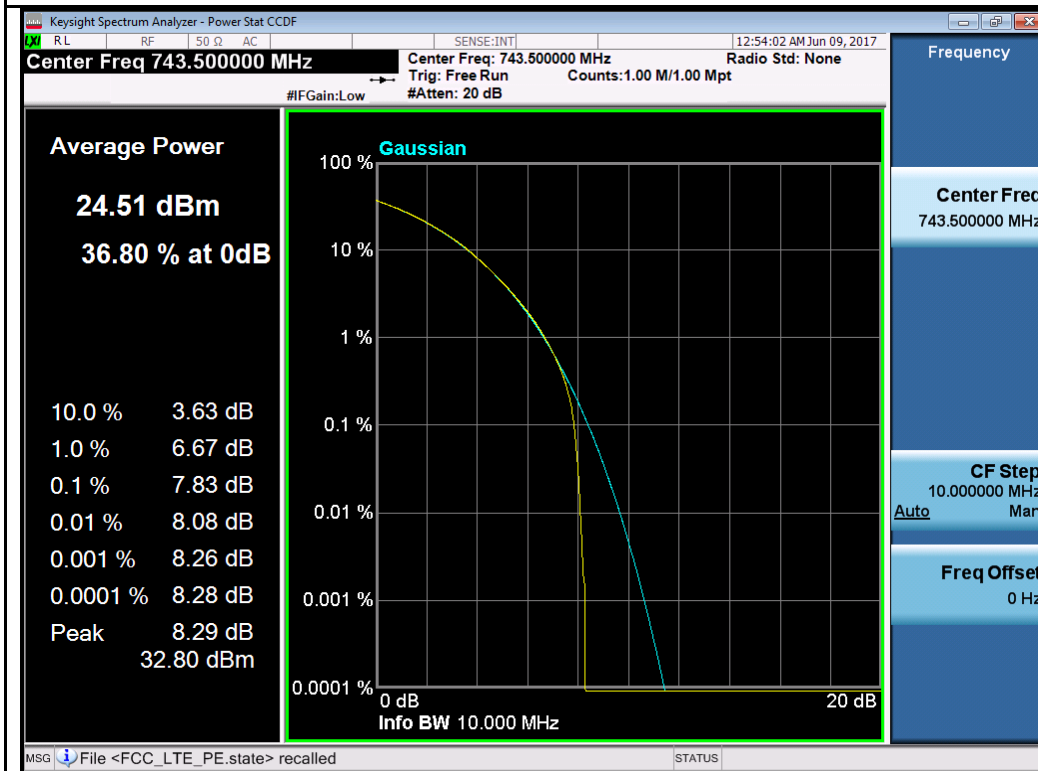
Test Plots for LTE band 12:



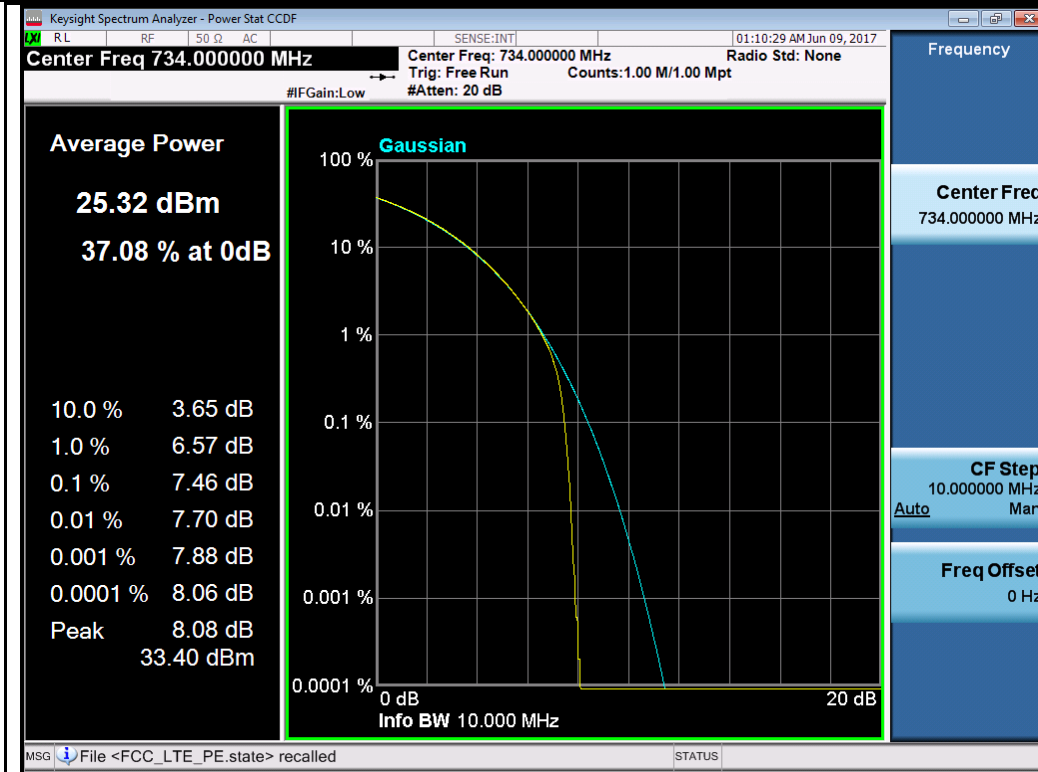




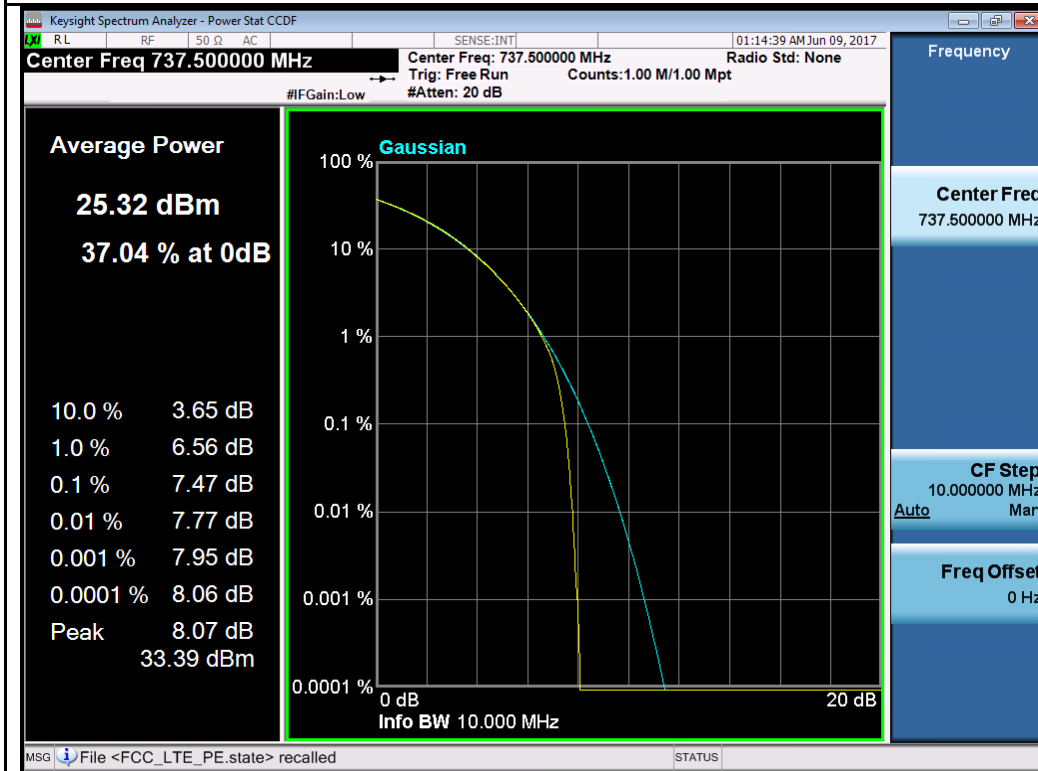
**5M 64QAM Mid**



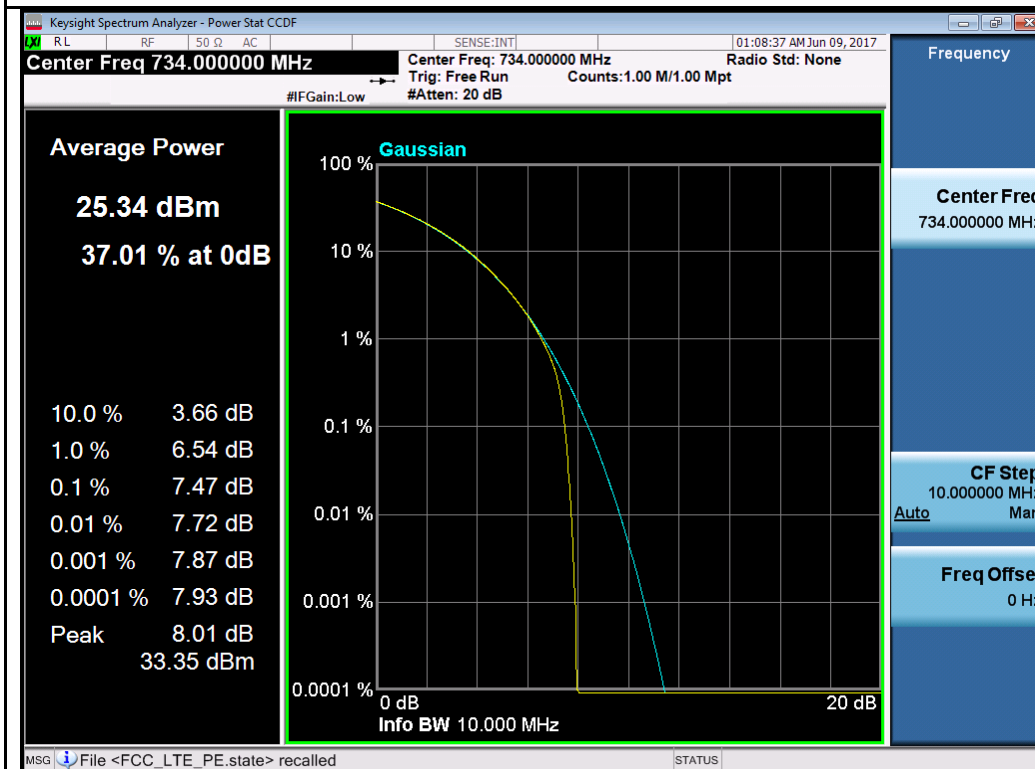
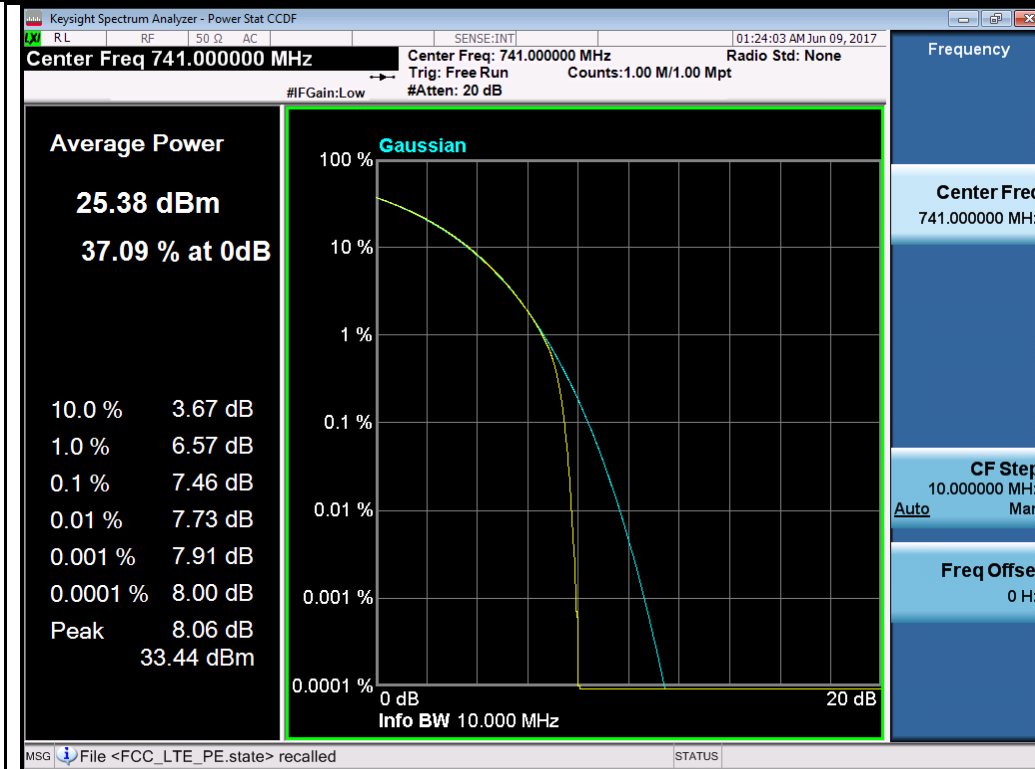
**5M 64QAM High**



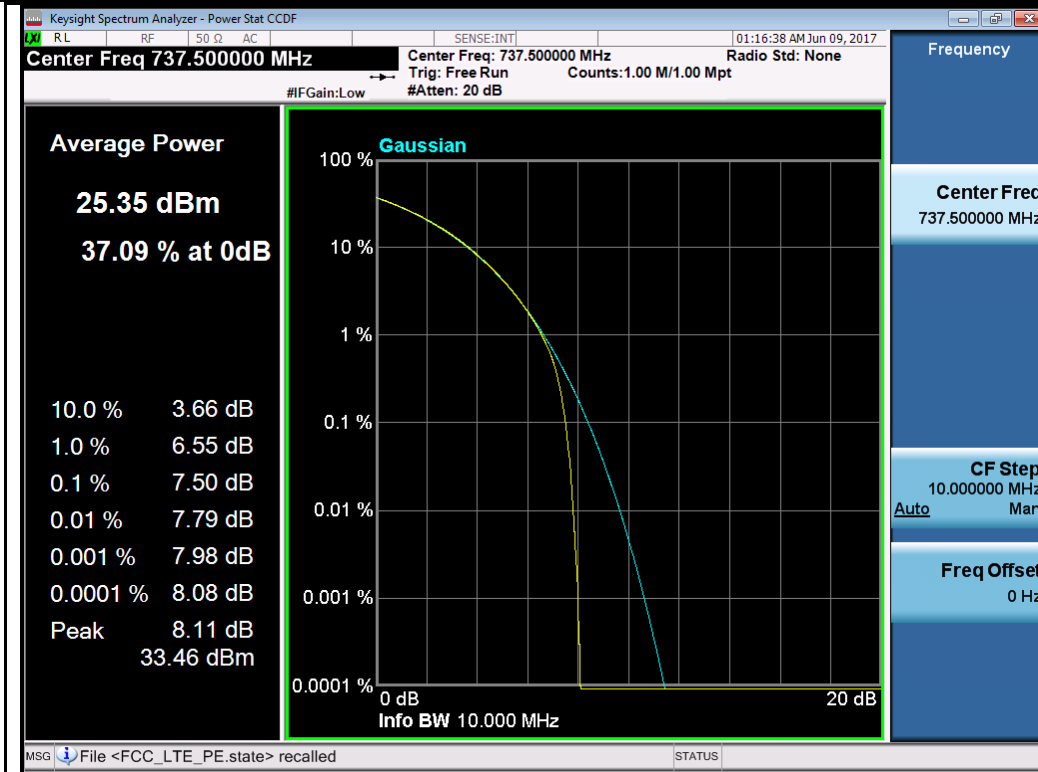
10M QPSK Low



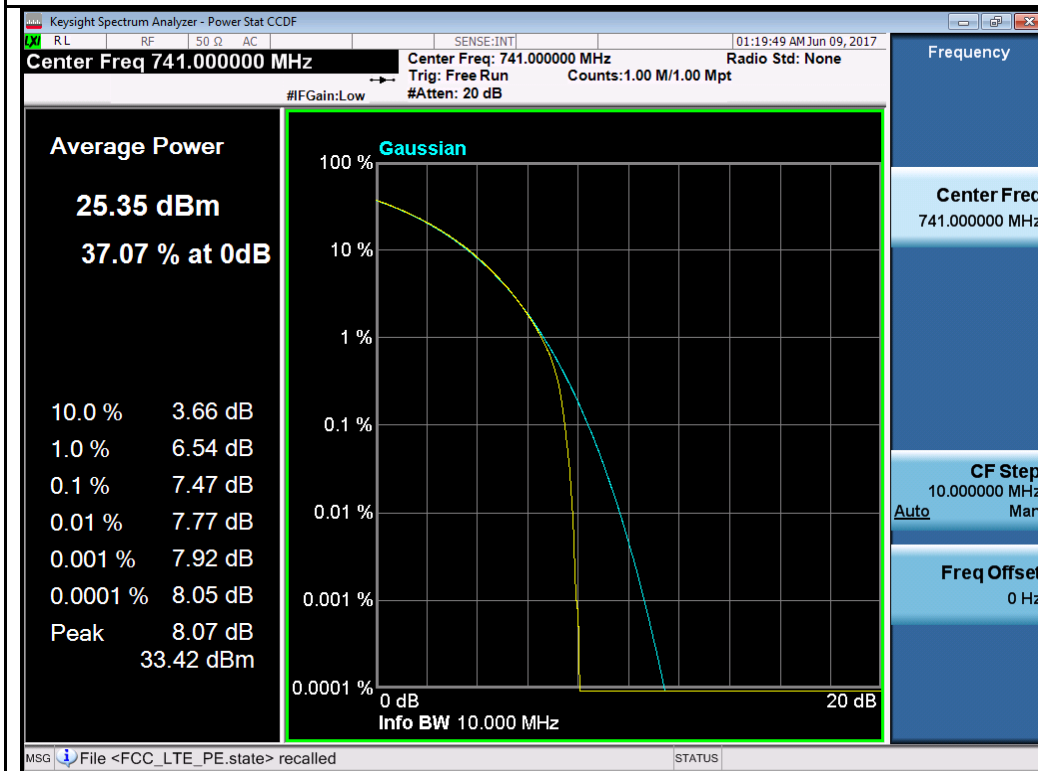
10M QPSK Mid







10M 64QAM Mid



10M 64QAM High



## Test Data

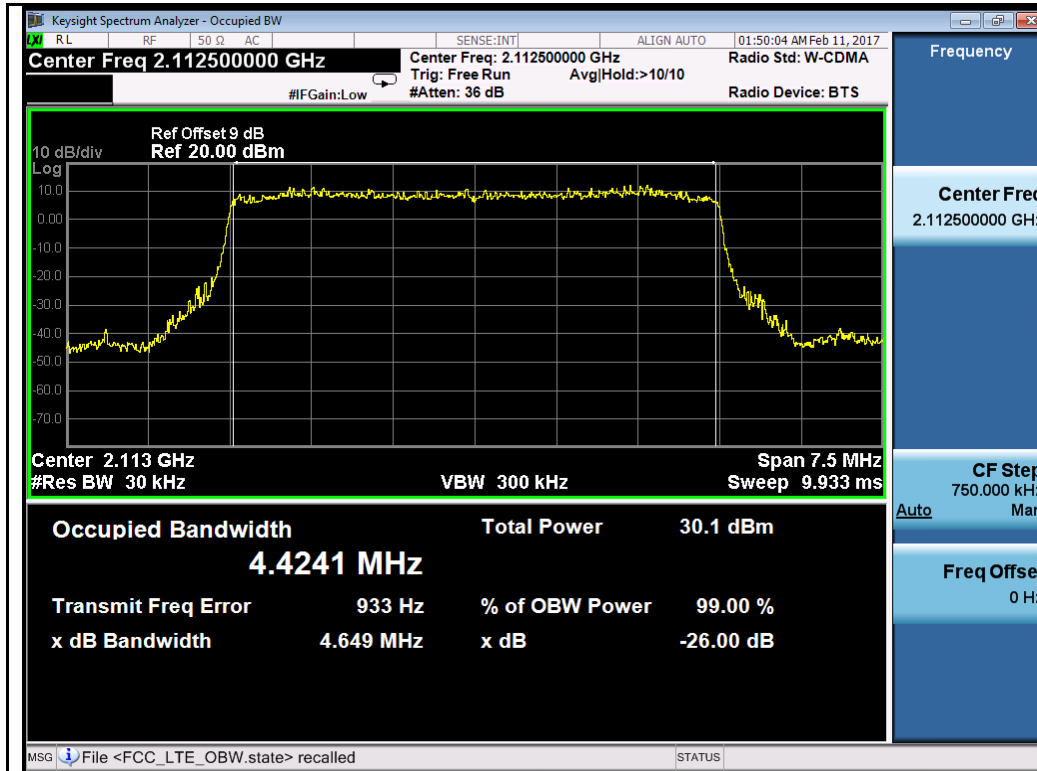
Bandwidth measurement result for LTE band 4:

Type	Channel	Channel Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
5MHz BW, QPSK	Low	2112.5	4.42	4.64
	Mid	2132.5	4.41	4.64
	High	2152.5	4.42	4.66
5MHz BW, 64QAM	Low	2112.5	4.43	4.68
	Mid	2132.5	4.43	4.66
	High	2152.5	4.42	4.64
10MHz BW, QPSK	Low	2115.0	8.89	9.31
	Mid	2132.5	8.90	9.34
	High	2150.0	8.90	9.35
10MHz BW, 64QAM	Low	2115.0	8.90	9.33
	Mid	2132.5	8.91	9.36
	High	2150.0	8.91	9.39
15MHz BW, QPSK	Low	2117.5	13.27	13.85
	Mid	2132.5	13.27	13.78
	High	2147.5	13.28	13.78
15MHz BW, 64QAM	Low	2117.5	13.29	13.78
	Mid	2132.5	13.28	13.81
	High	2147.5	13.29	13.82
20MHz BW, QPSK	Low	2120.0	17.80	18.44
	Mid	2132.5	17.84	18.49
	High	2145.0	17.84	18.56
20MHz BW, 64QAM	Low	2120.0	17.81	18.47
	Mid	2132.5	17.82	18.49
	High	2145.0	17.82	18.51

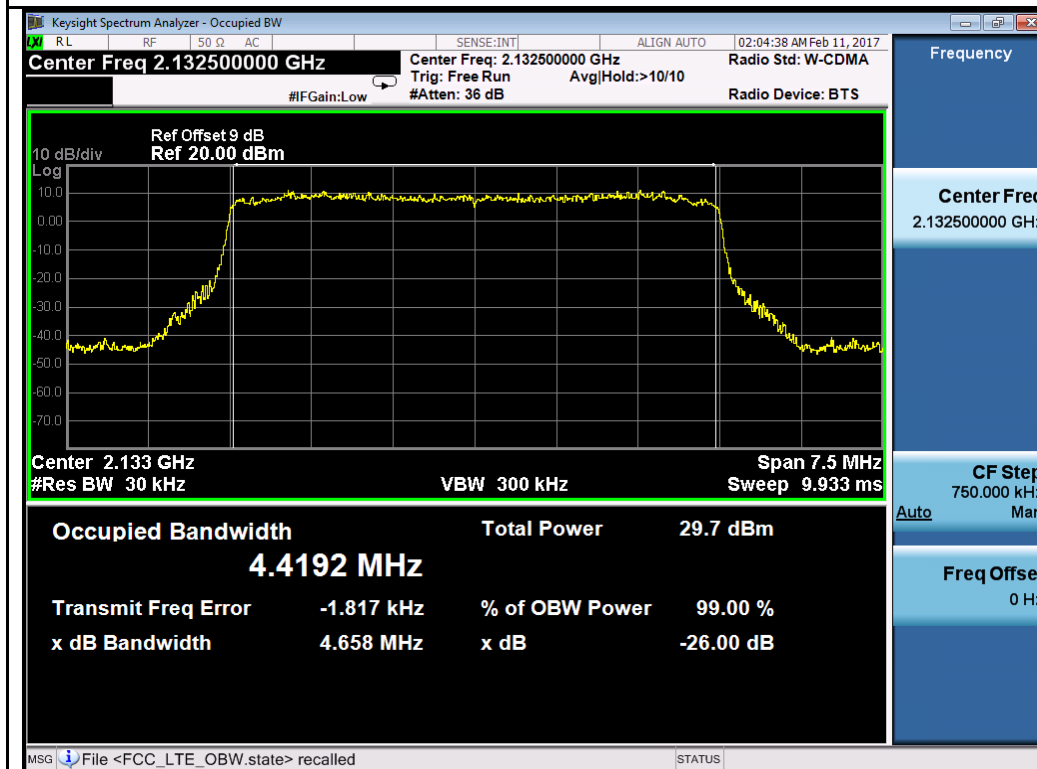
99% Bandwidth measurement result for LTE band 66:

Type	Channel	Channel Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Occupied Bandwidth (MHz)
5MHz BW, QPSK	High	2197.5	4.42	4.65
5MHz BW, 64QAM	High	2197.5	4.43	4.70
10MHz BW, QPSK	High	2195	8.90	9.30
10MHz BW, 64QAM	High	2195	8.90	9.31
15MHz BW, QPSK	High	2192.5	13.29	13.79
15MHz BW, 64QAM	High	2192.5	13.29	13.76
20MHz BW, QPSK	High	2190	17.82	18.51
20MHz BW, 64QAM	High	2190	17.83	18.41

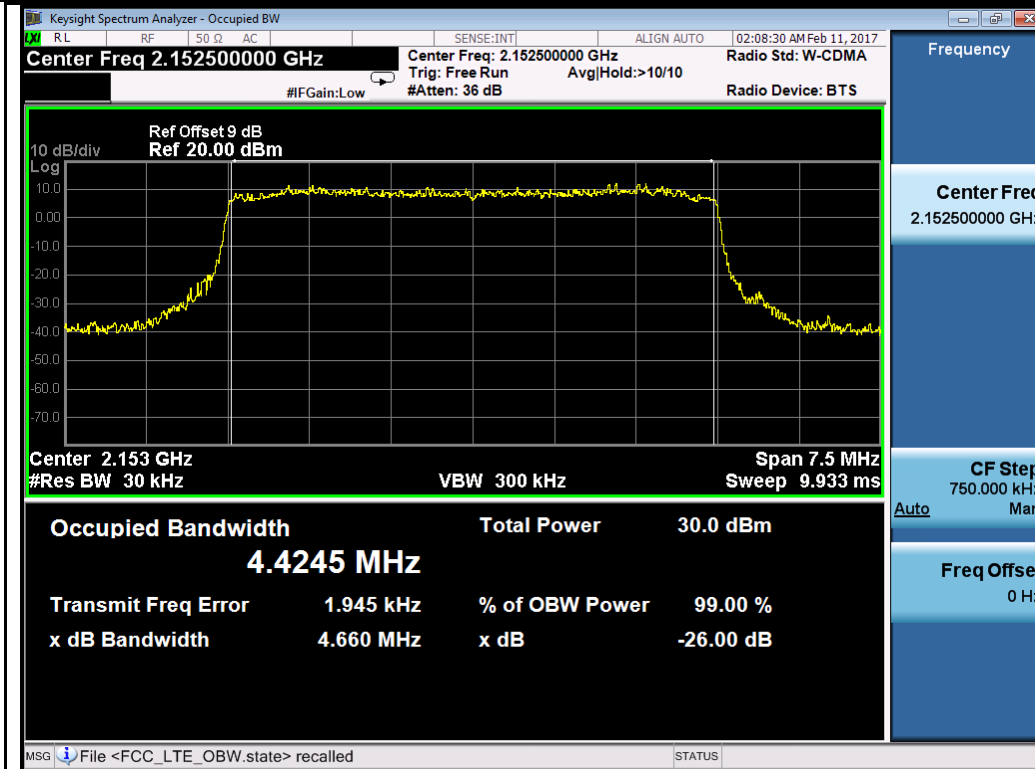
Test Plot for band 4:



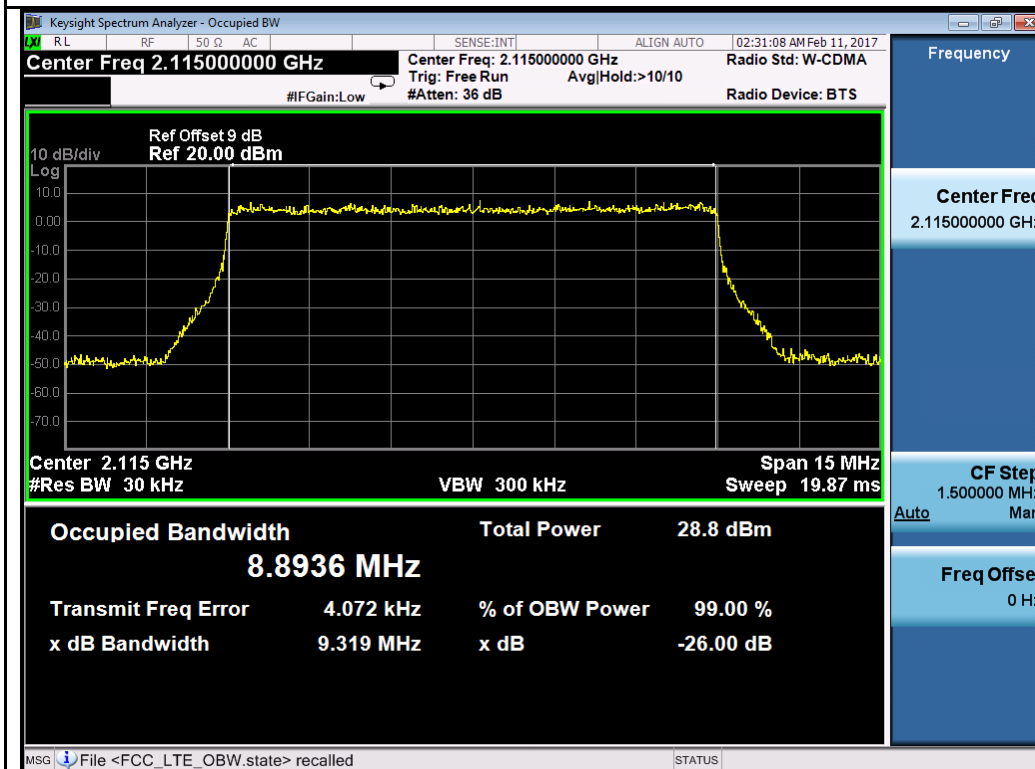
BW 5M QPSK Low



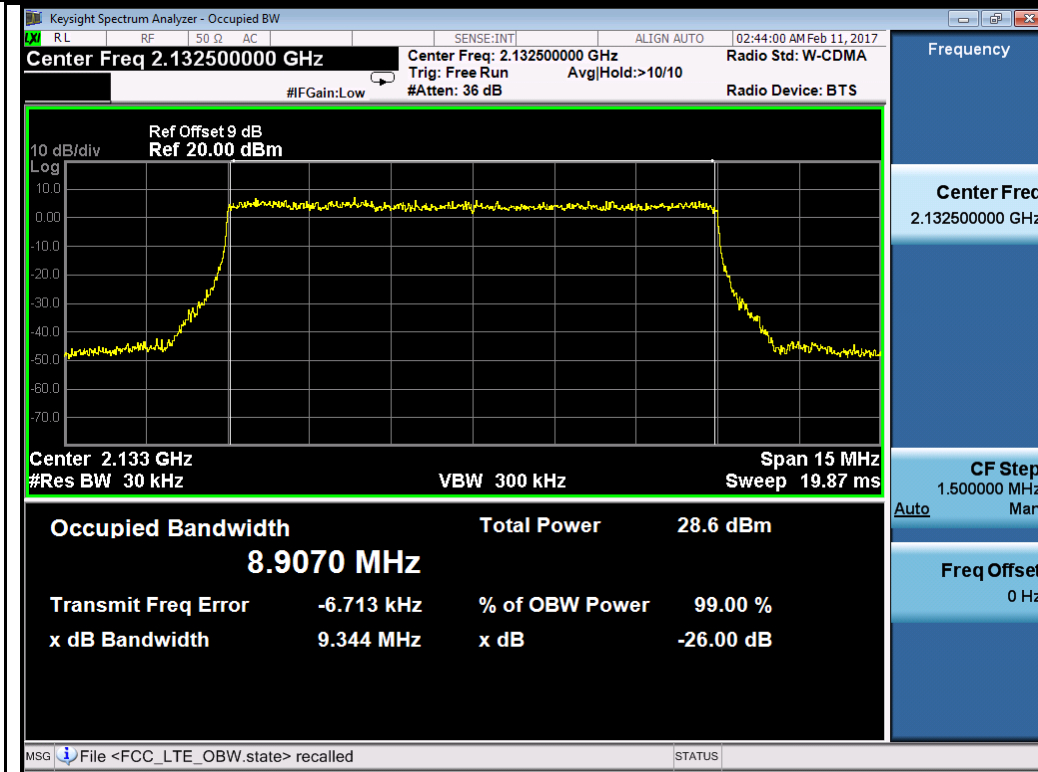
BW 5M QPSK Mid



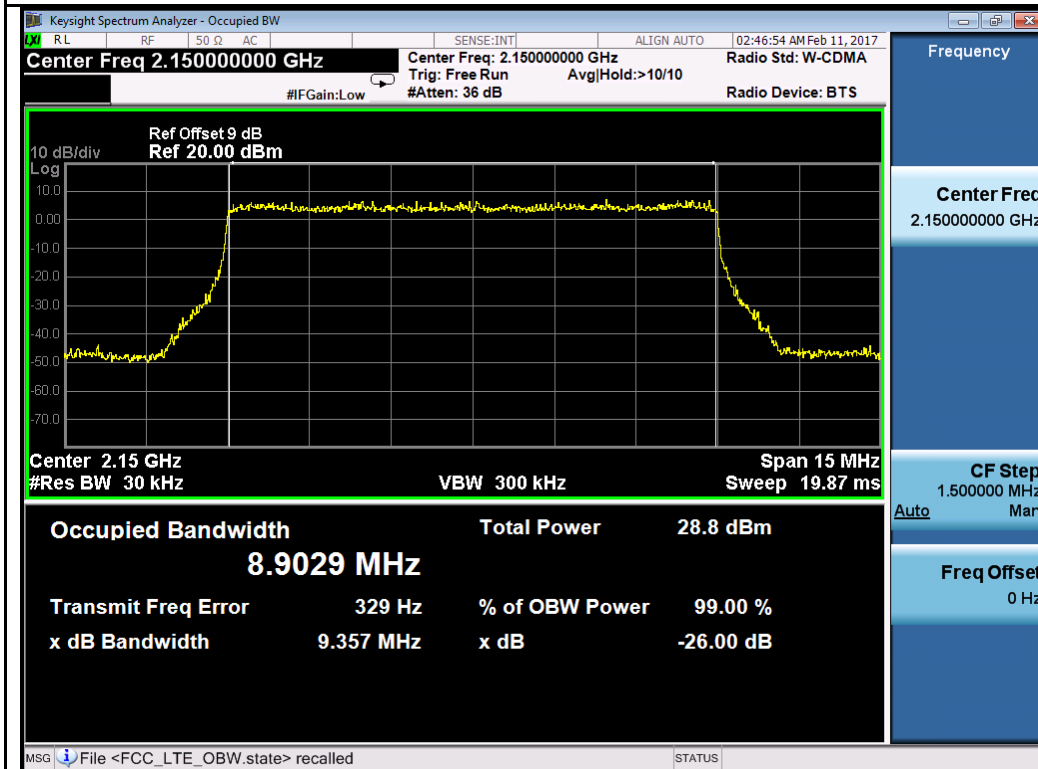
### BW 5M QPSK High



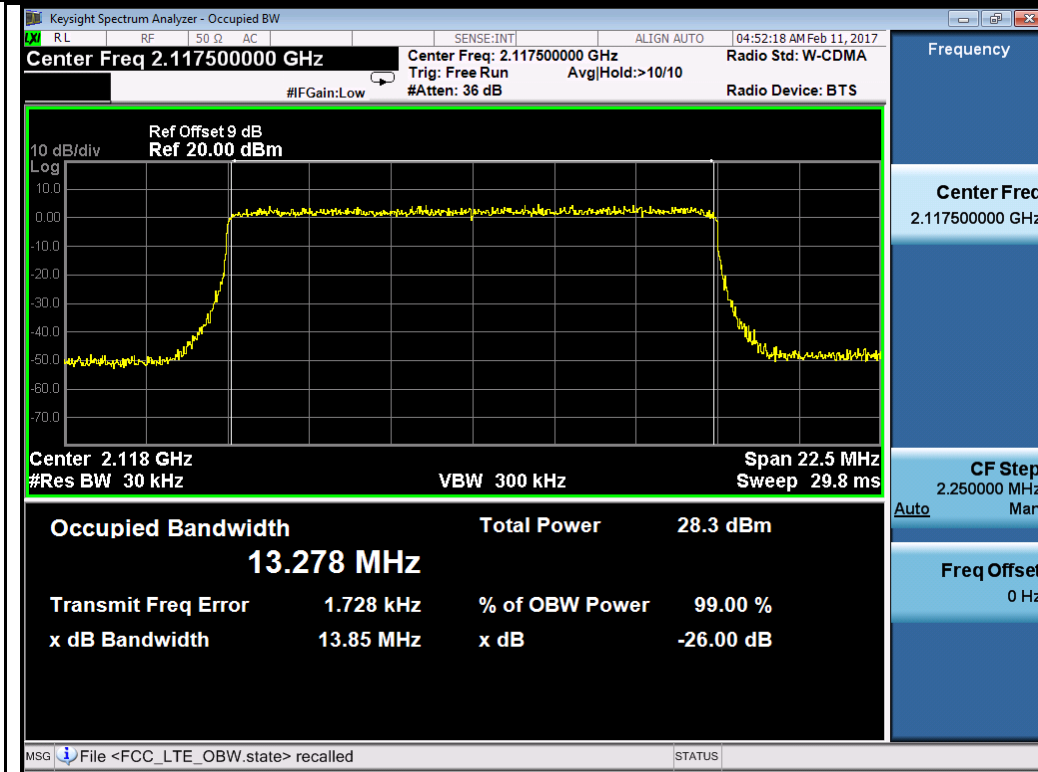
### BW 10M QPSK Low



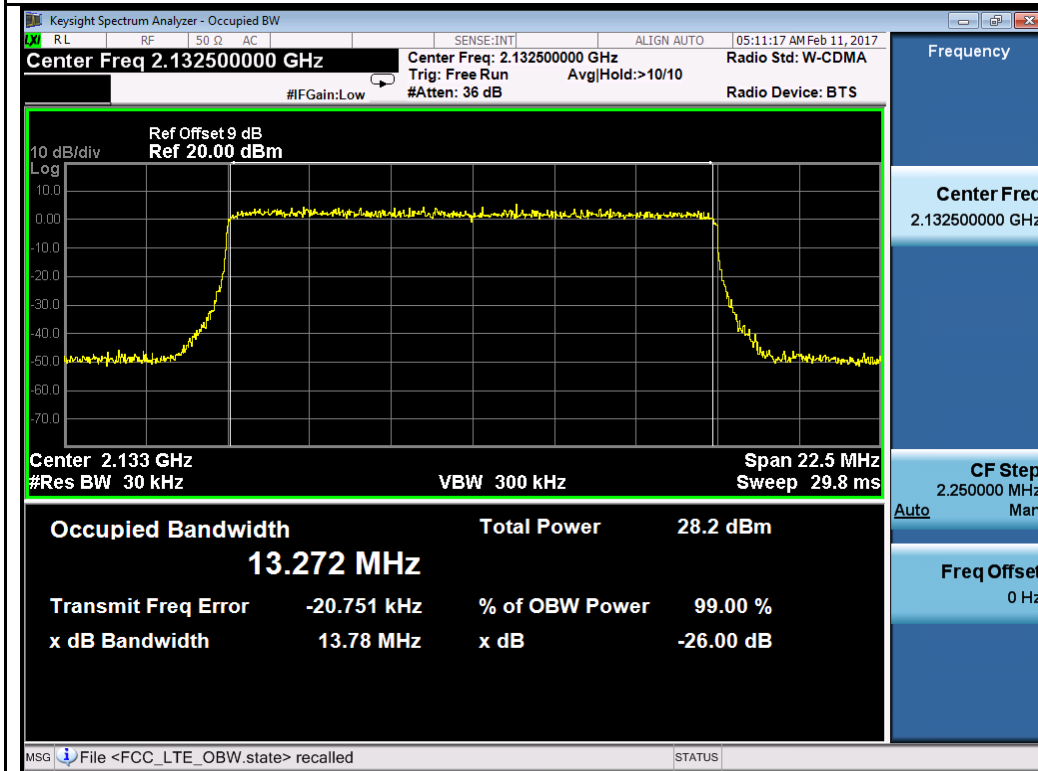
**BW 10M QPSK Mid**



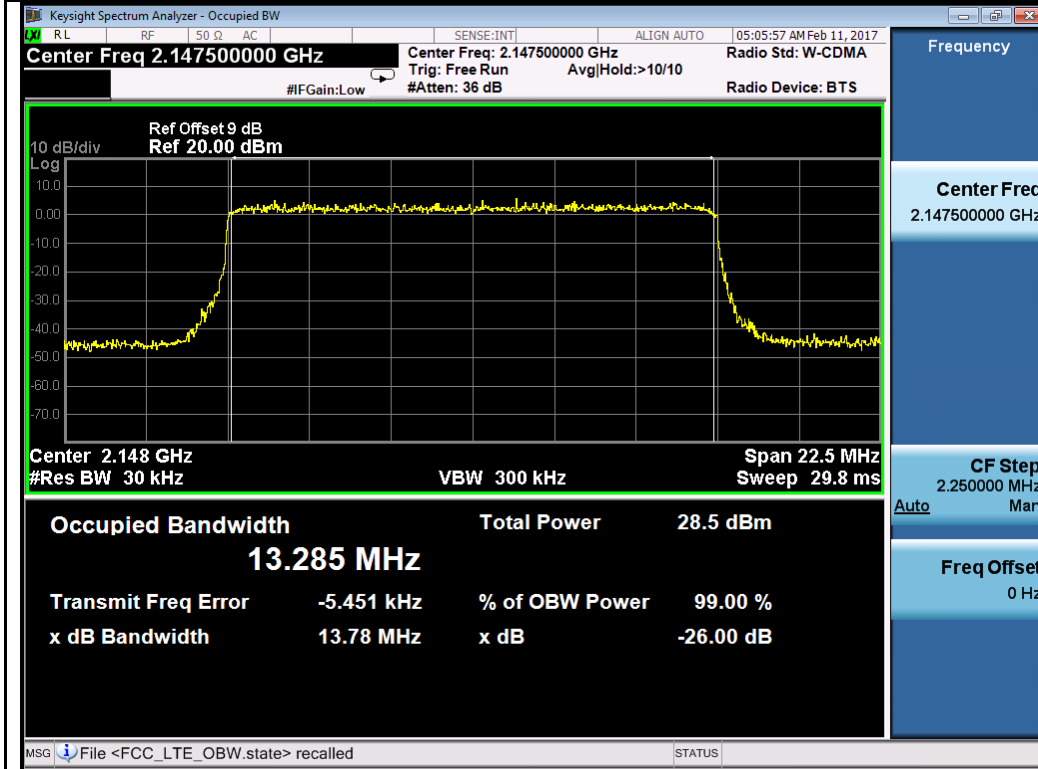
**BW 10M QPSK High**



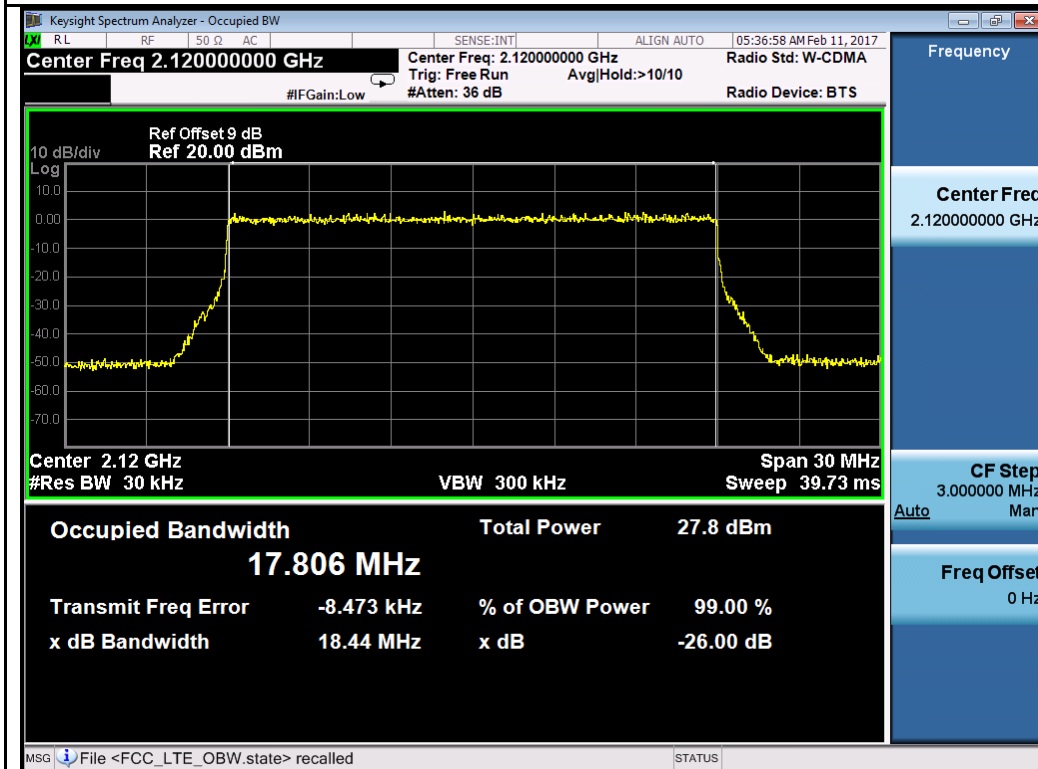
BW 15M QPSK Low



BW 15M QPSK Mid

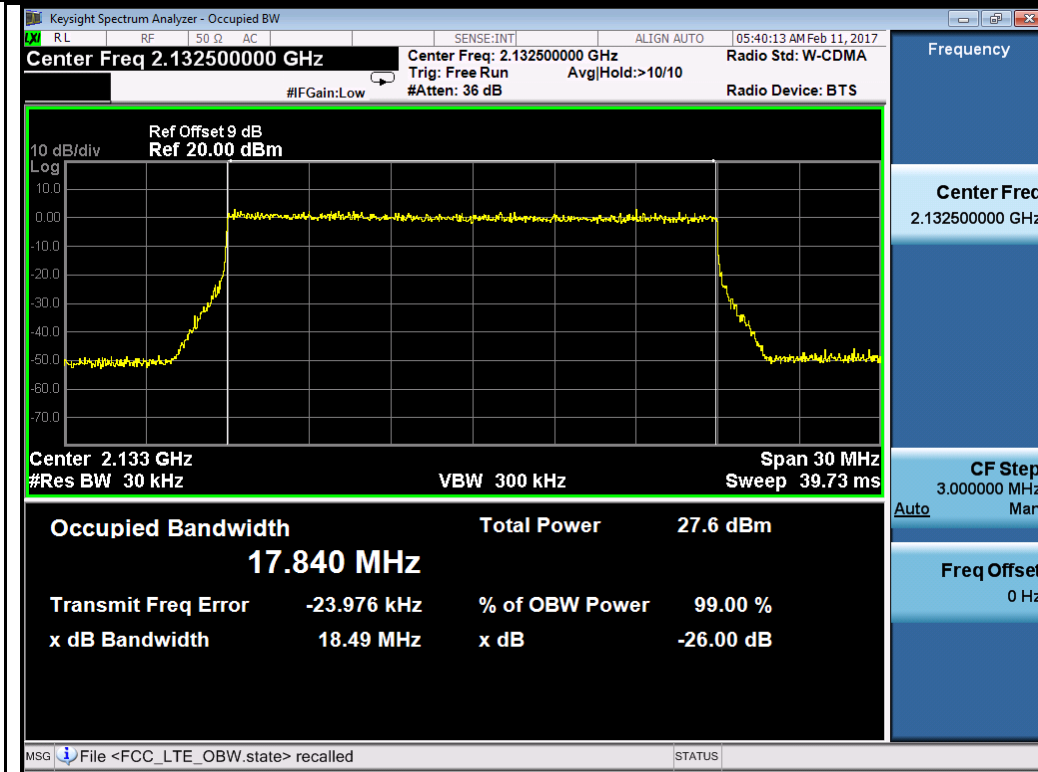


**BW 15M QPSK High**

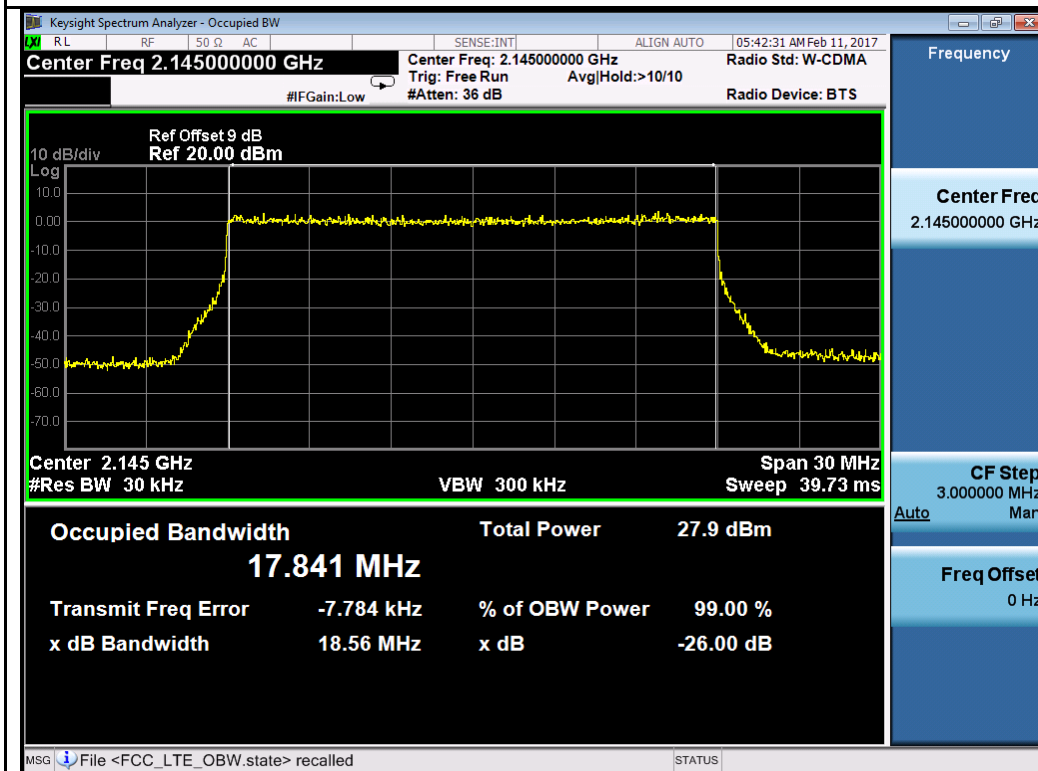


**BW 20M QPSK Low**

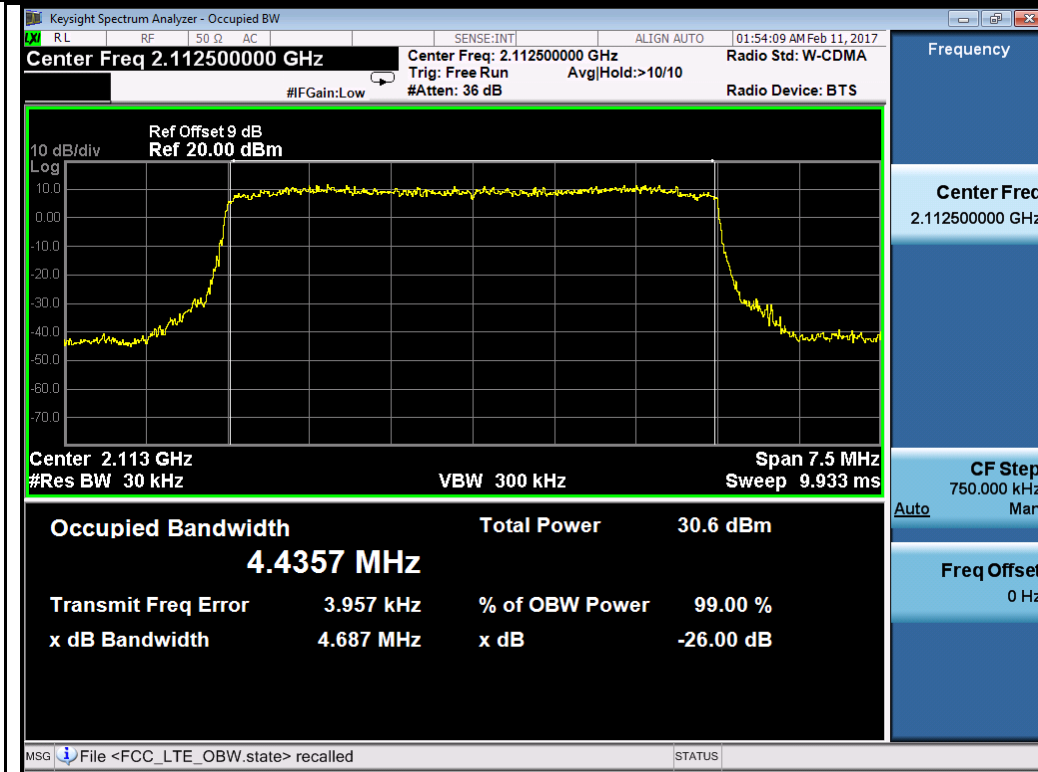




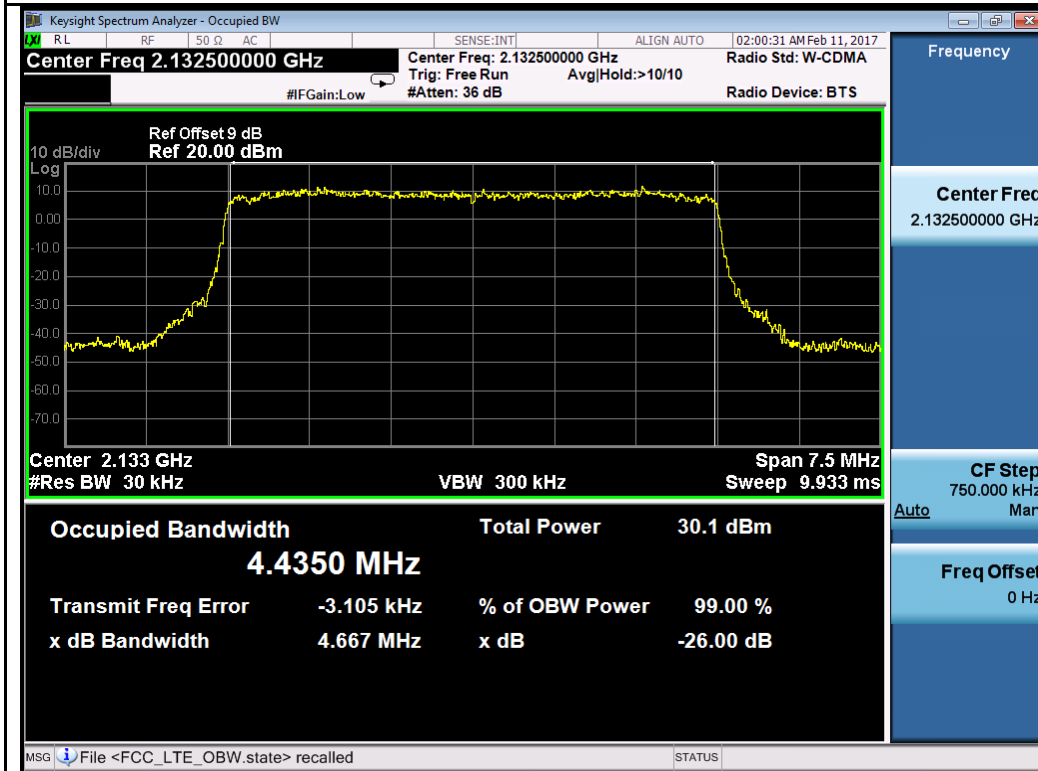
**BW 20M QPSK Mid**



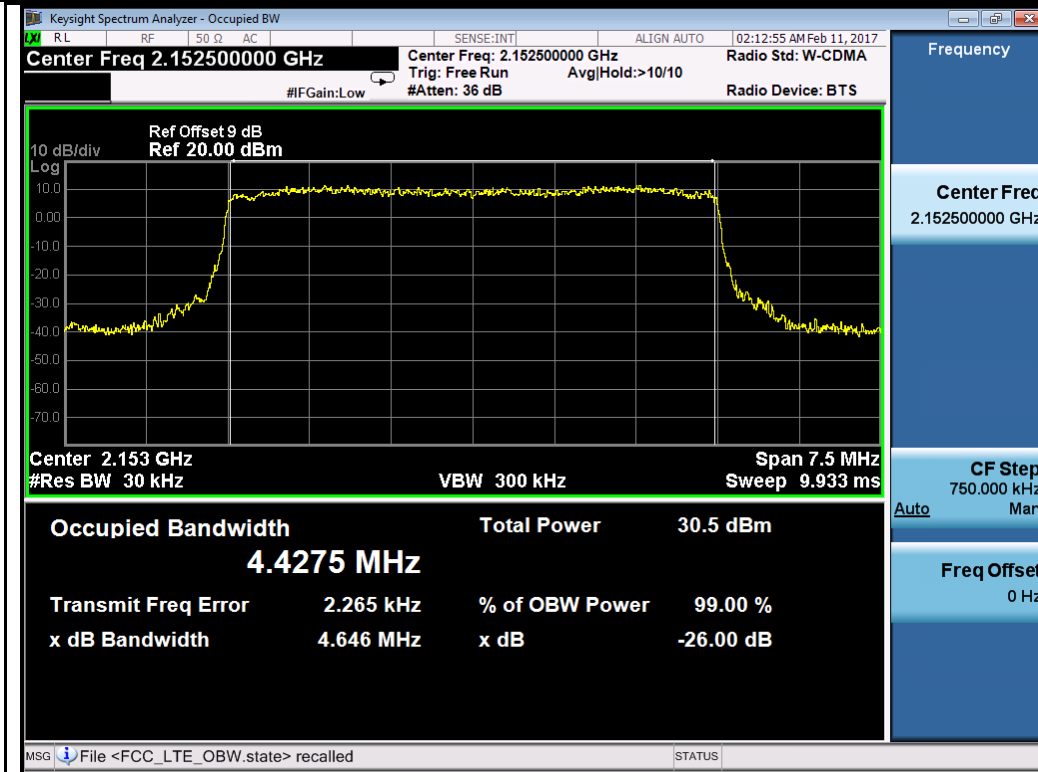
**BW 20M QPSK High**



BW 5M 64QAM Low



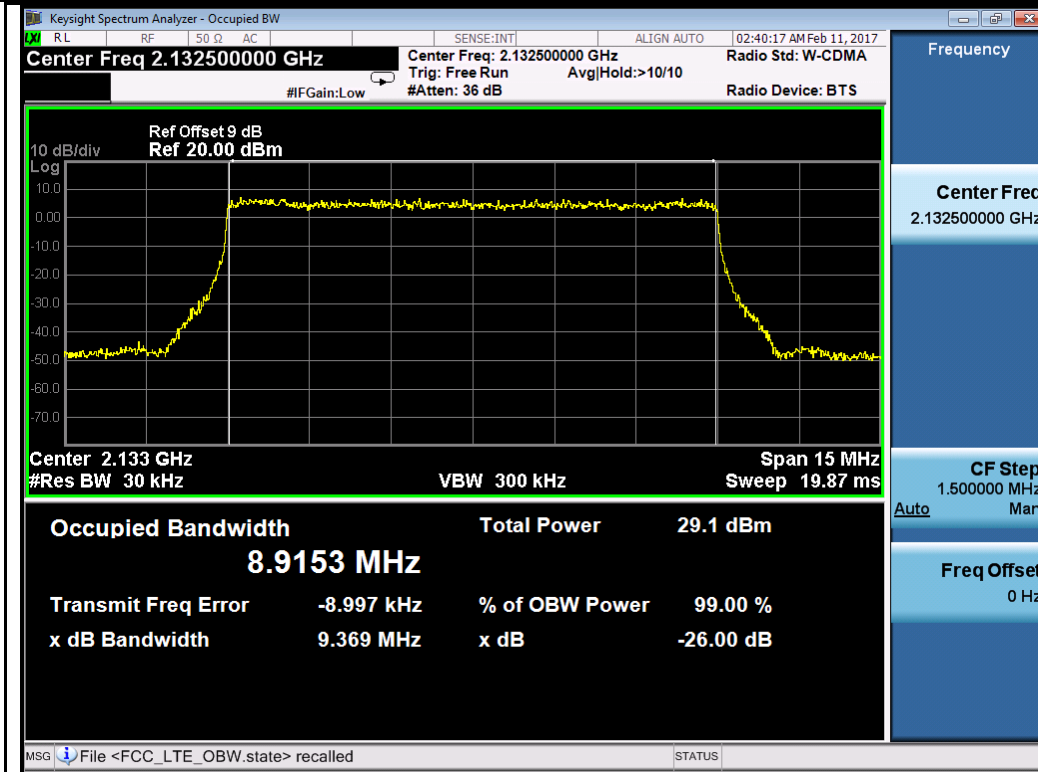
BW 5M 64QAM Mid



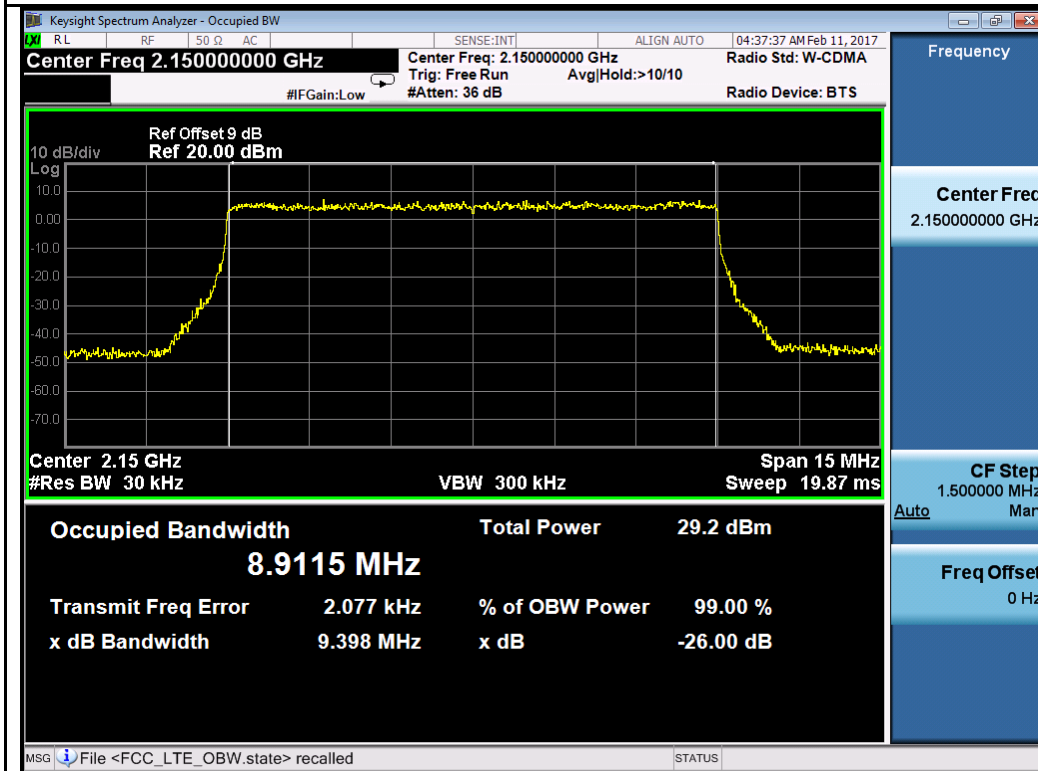
**BW 5M 64QAM High**



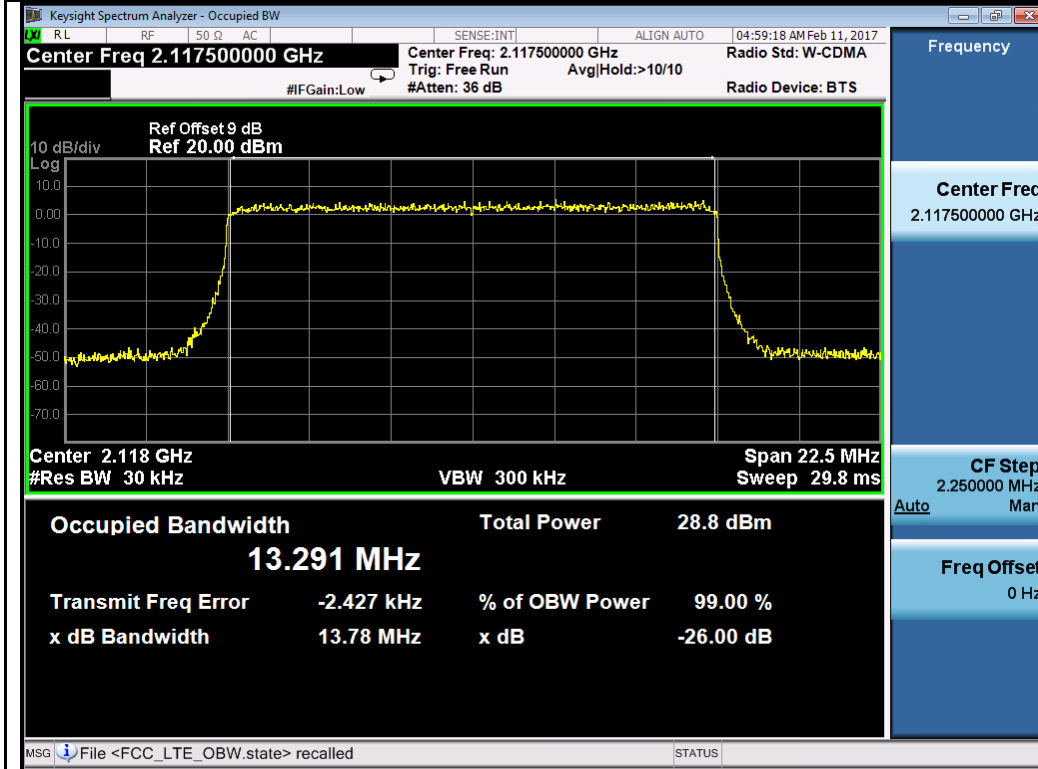
**BW 10M 64QAM Low**



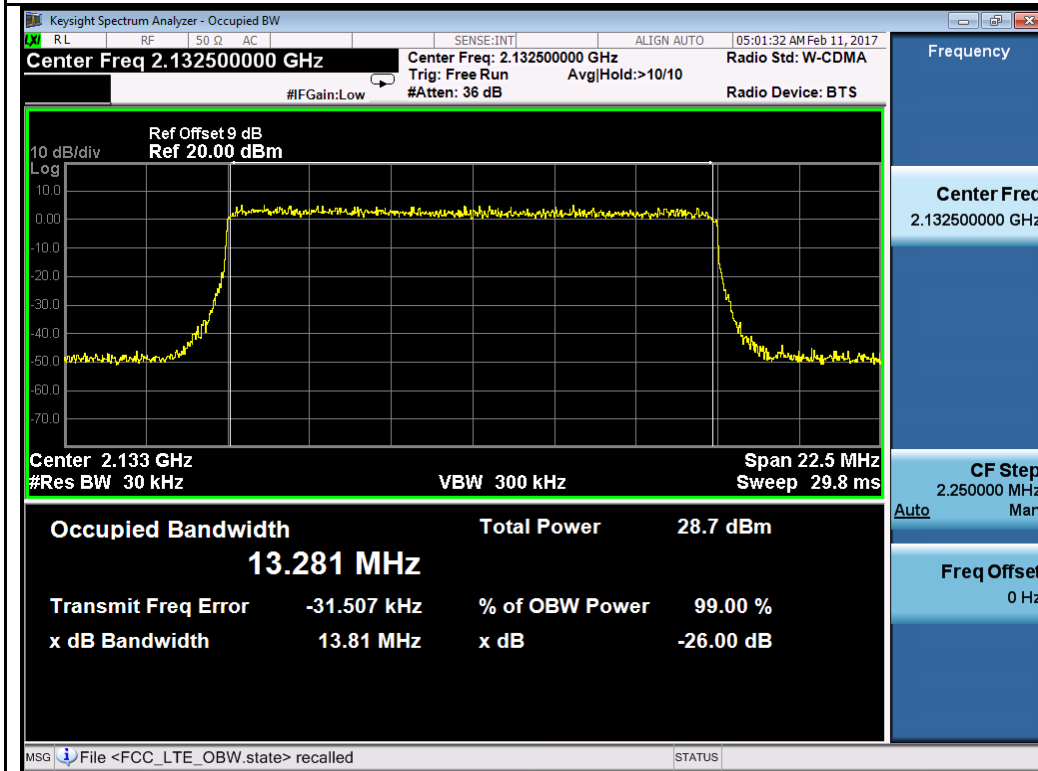
BW 10M 64QAM Mid



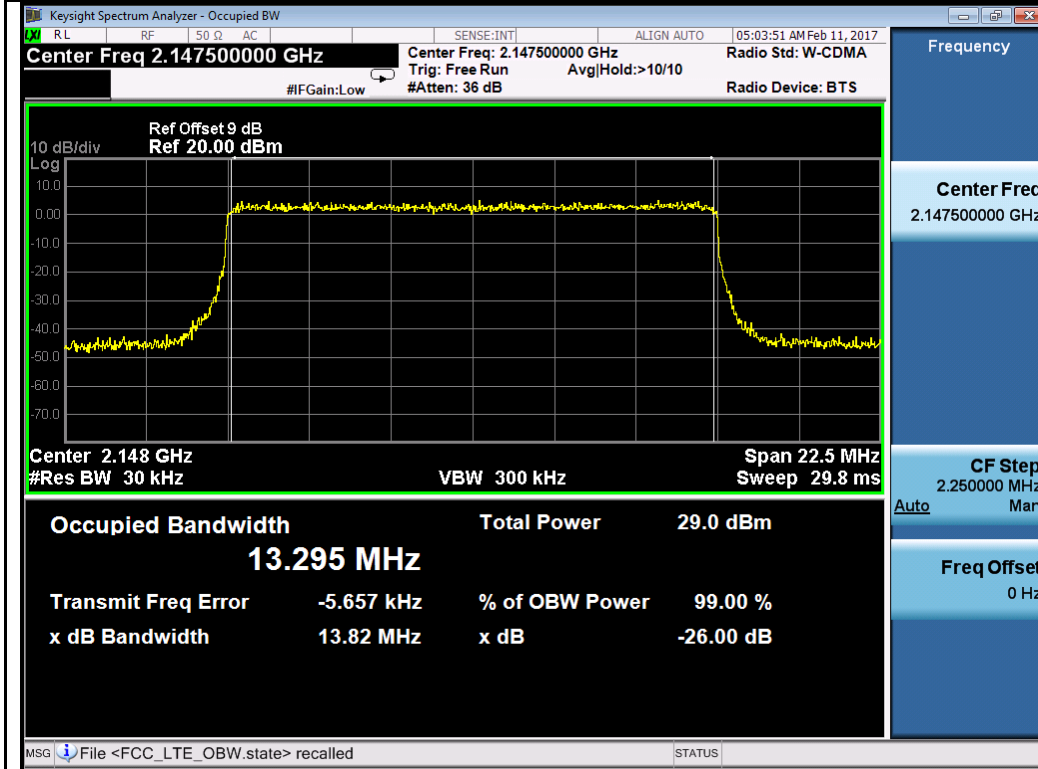
BW 10M 64QAM High



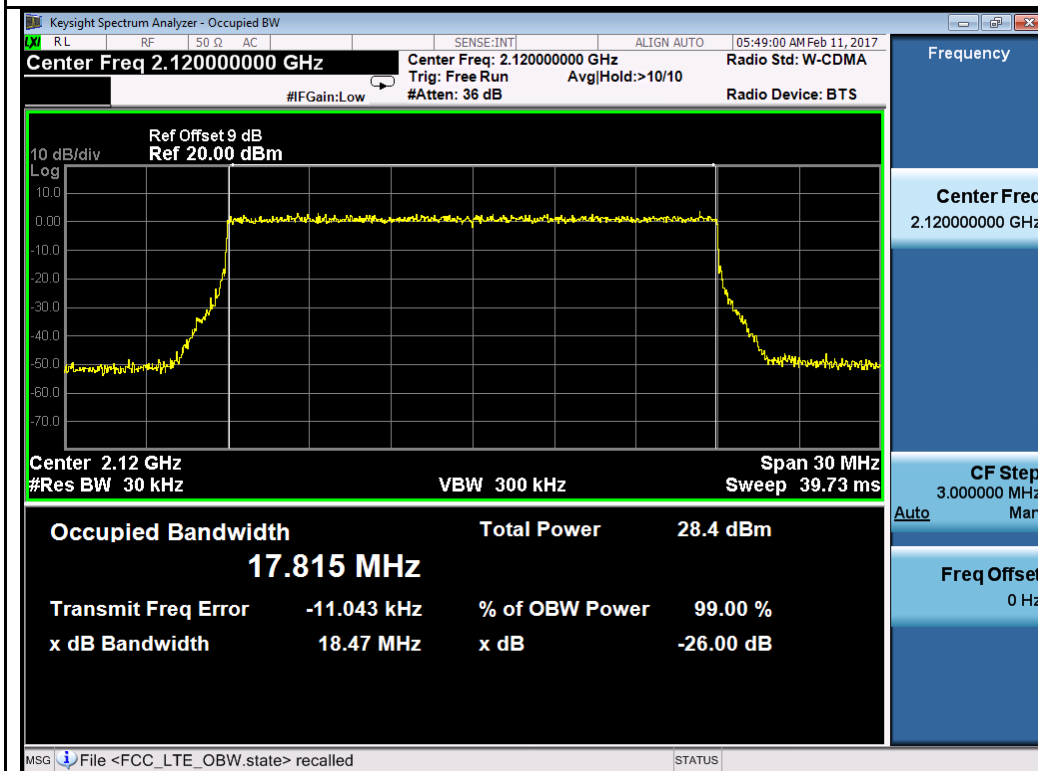
BW 15M 64QAM Low



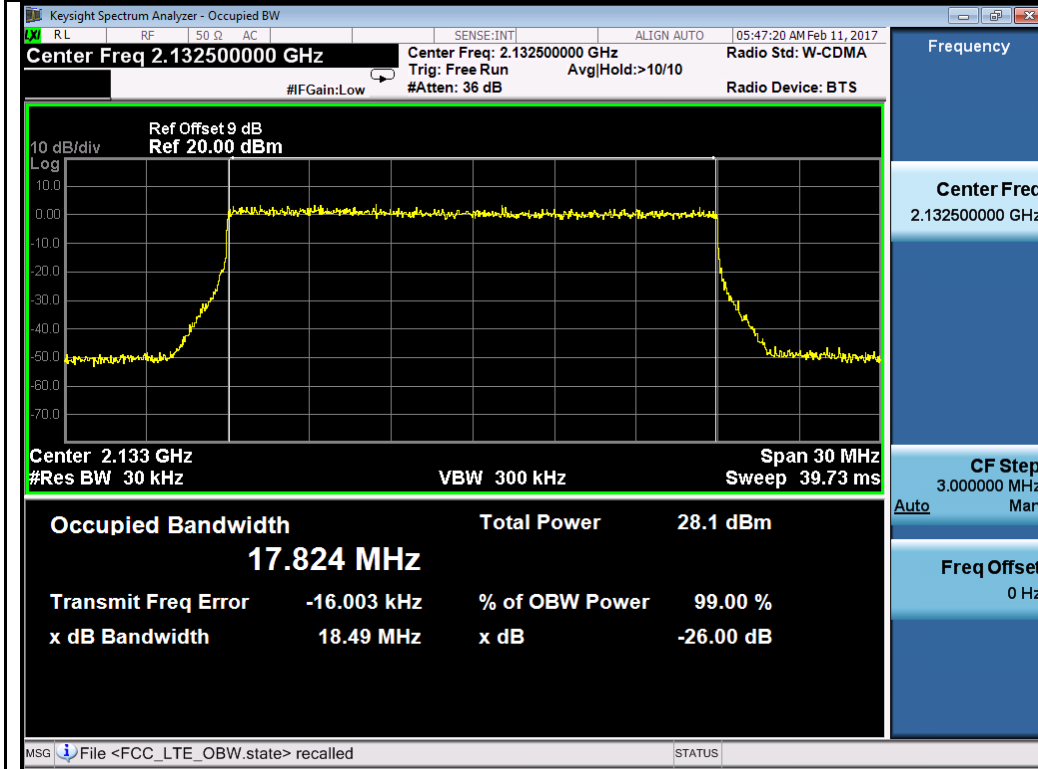
BW 15M 64QAM Mid



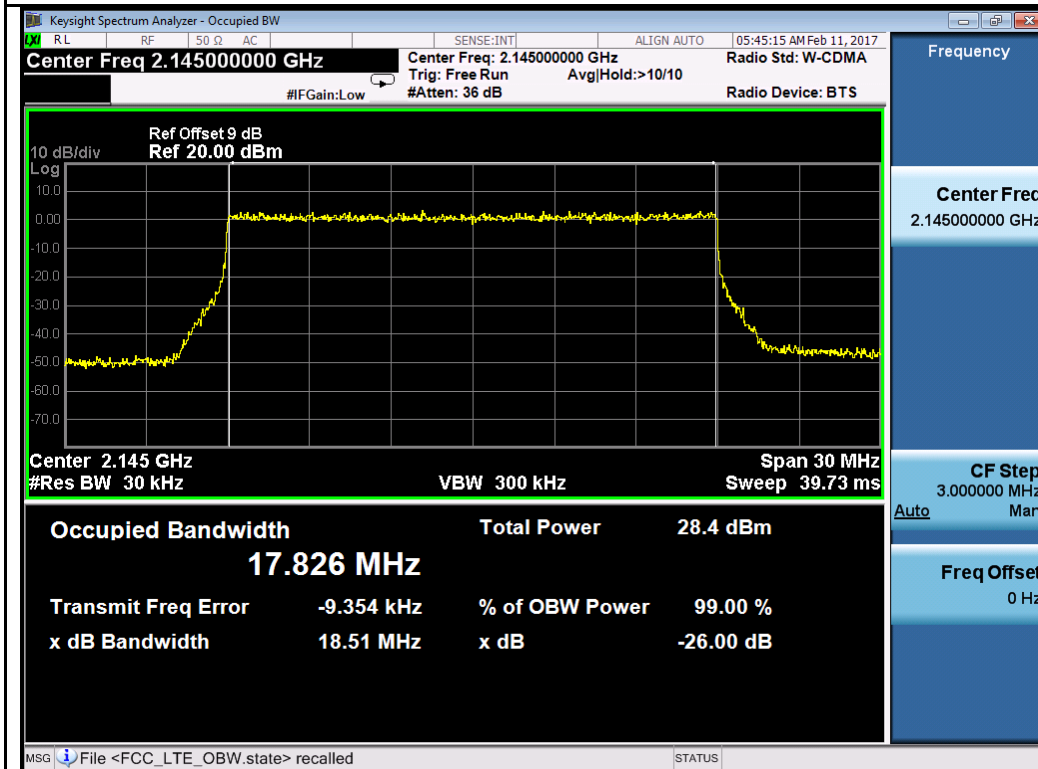
BW 15M 64QAM High



BW 20M 64QAM Low

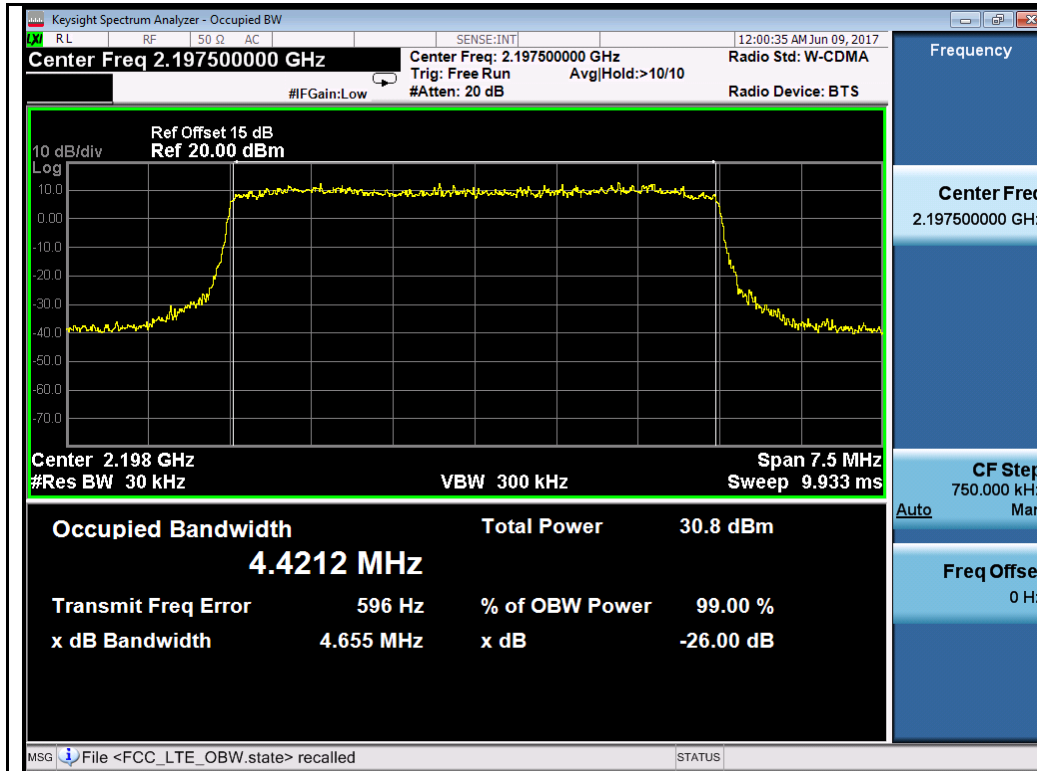


BW 20M 64QAM Mid

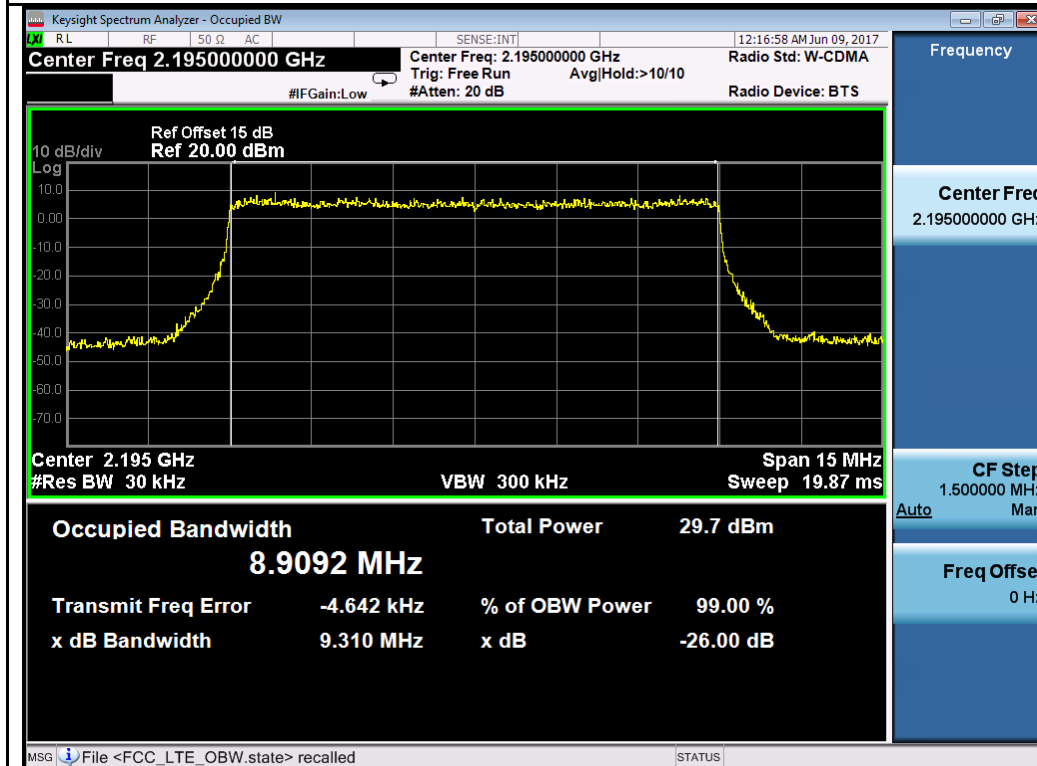


BW 20M 64QAM High

Test Plots for LTE band 66:

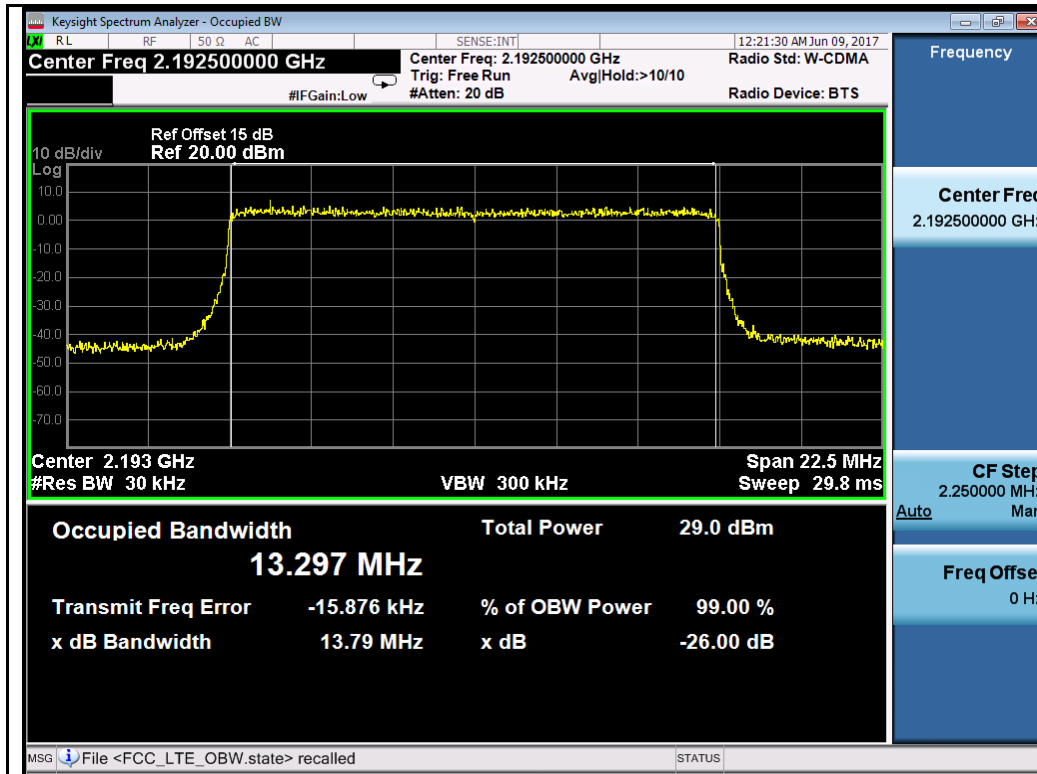


BW 5M QPSK High

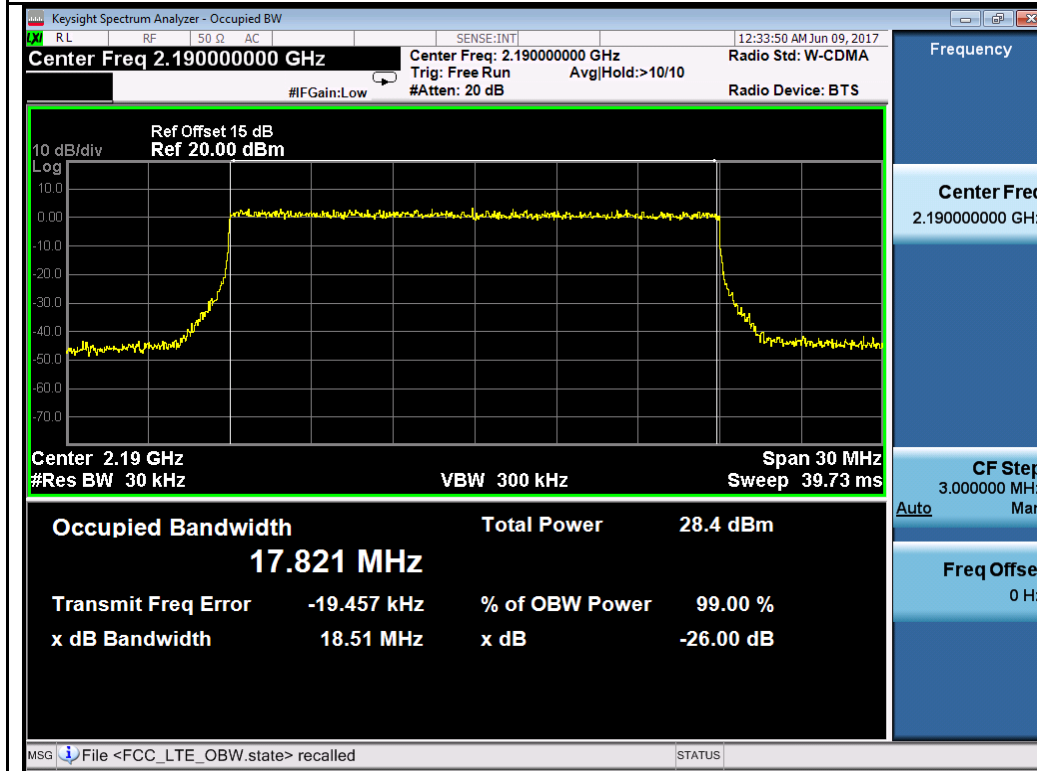


BW 10M QPSK High

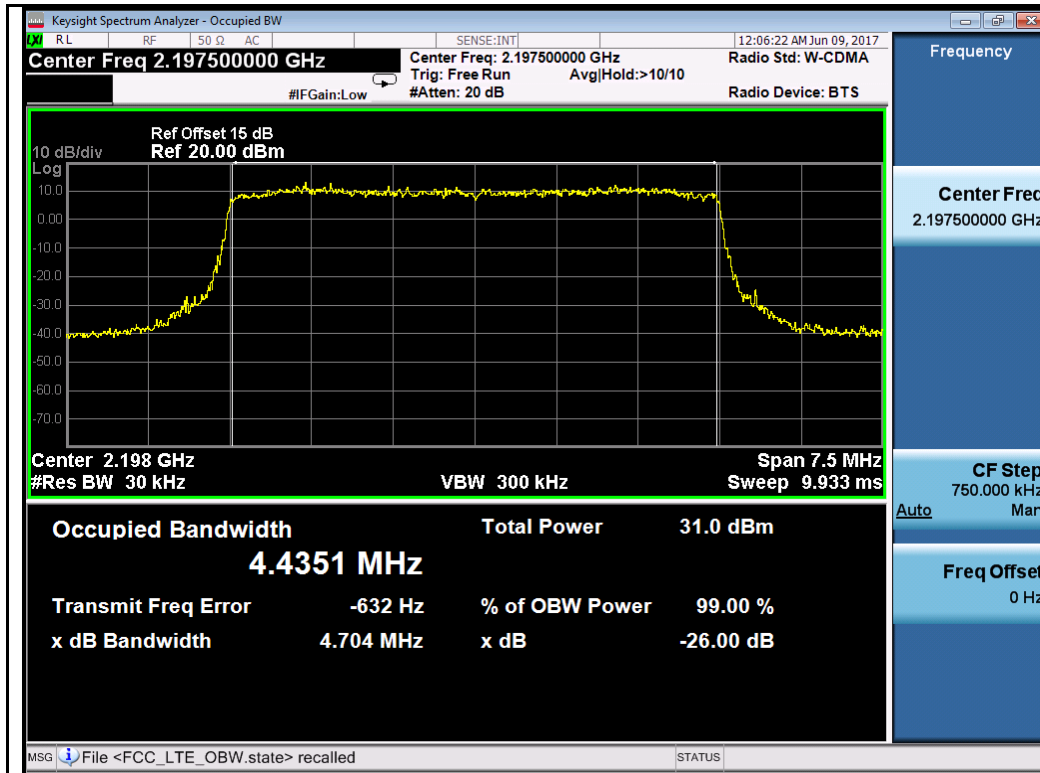




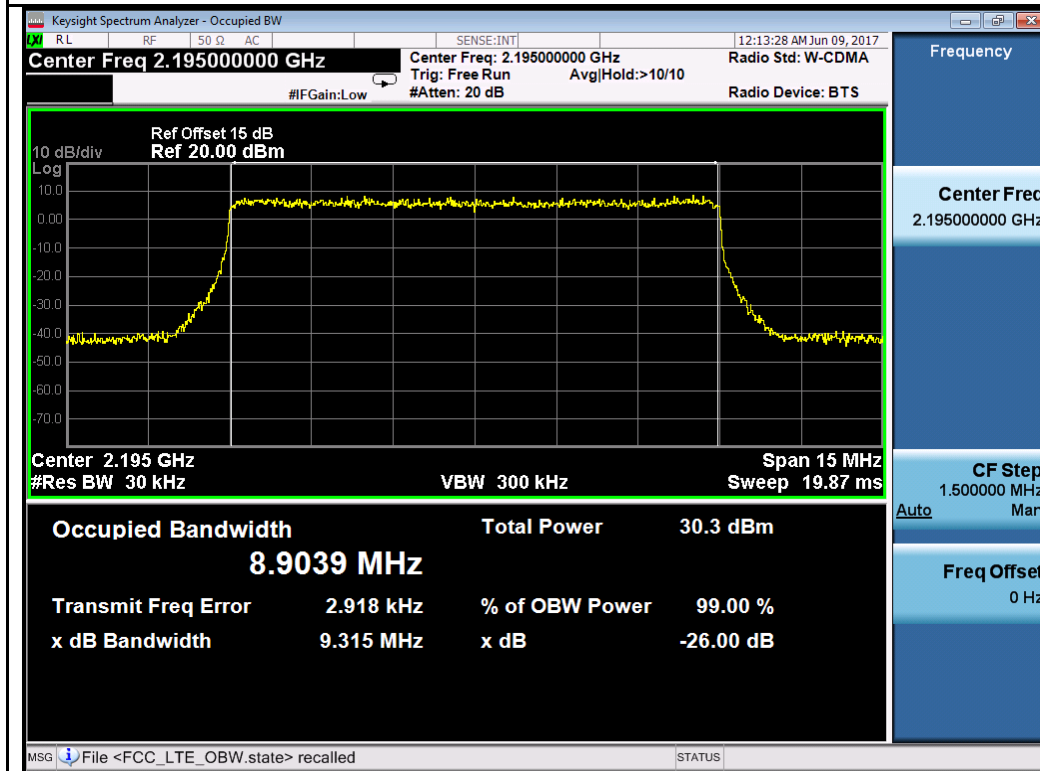
BW 15M QPSK High



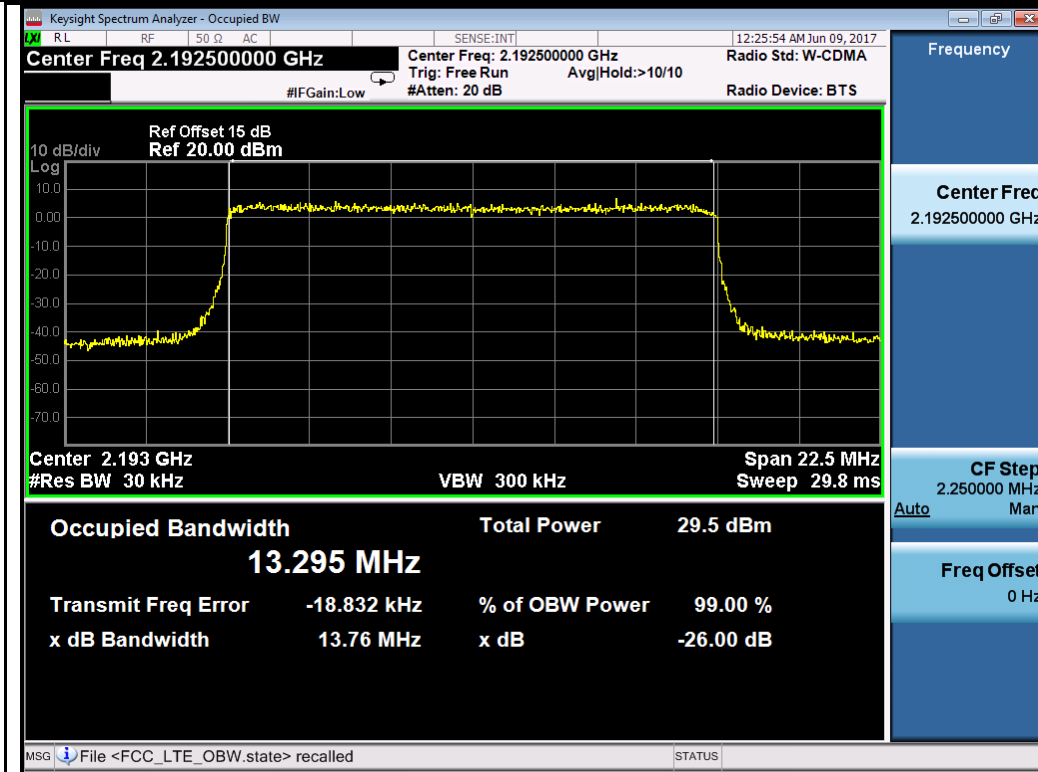
BW 20M QPSK High



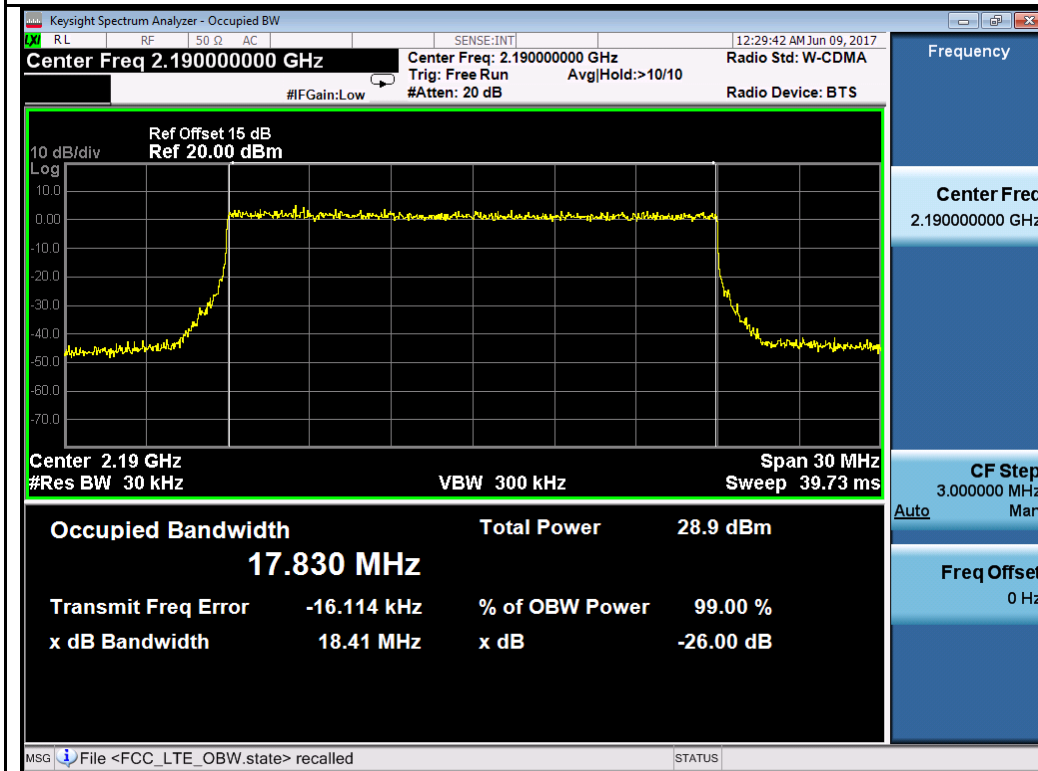
BW 5M 64QAM High



BW 10M 64QAM High

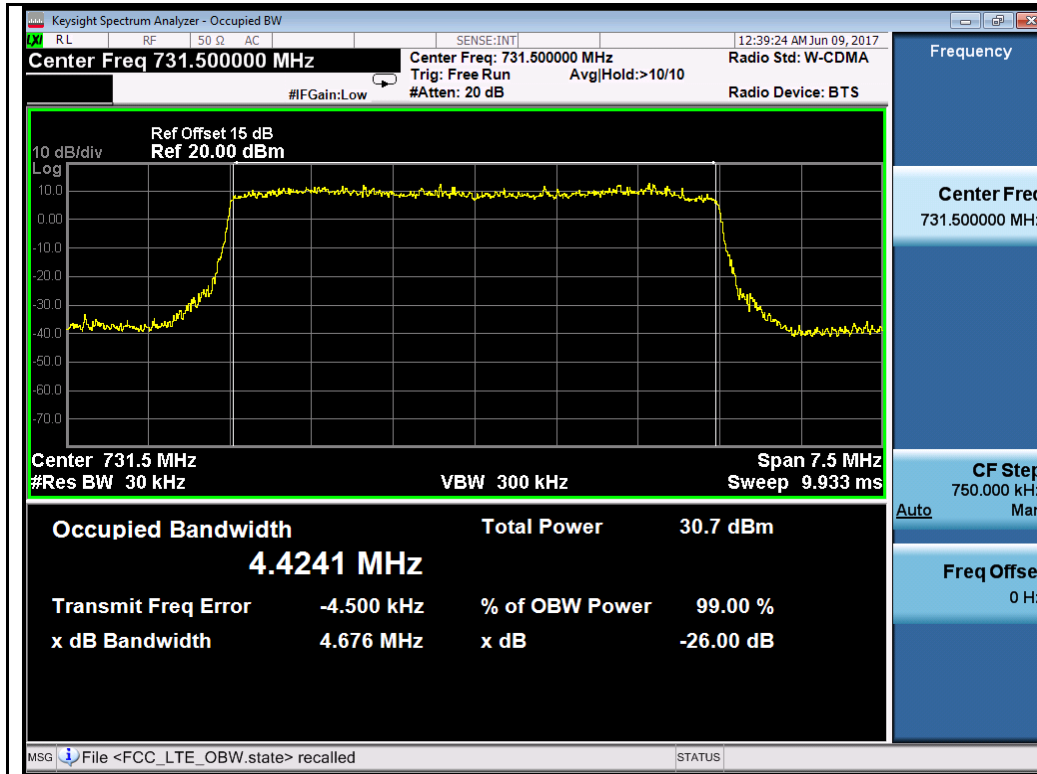


BW 15M 64QAM High

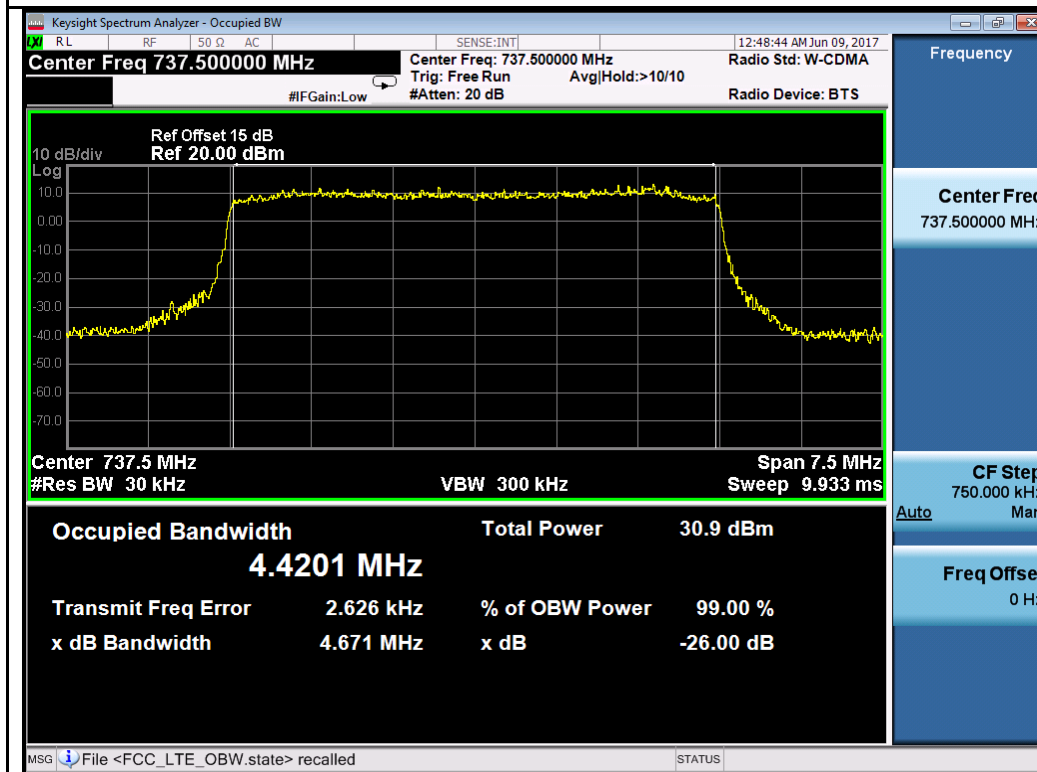


BW 20M 64QAM High

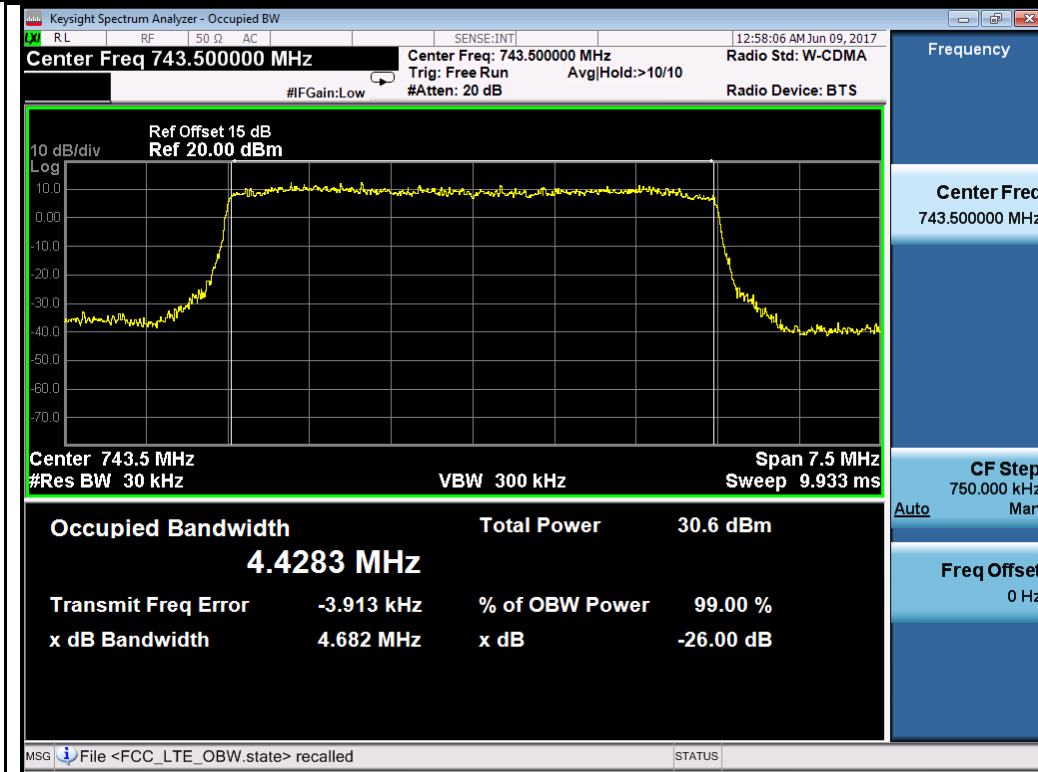
Test Plots for LTE band 12:



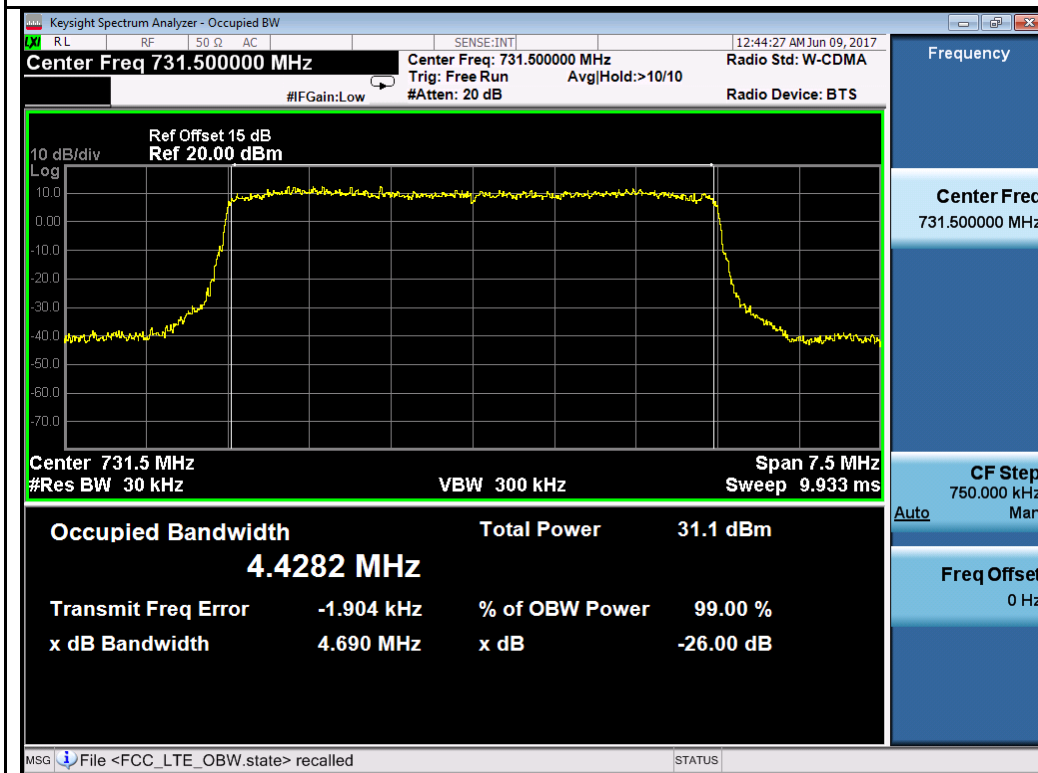
5M QPSK Low



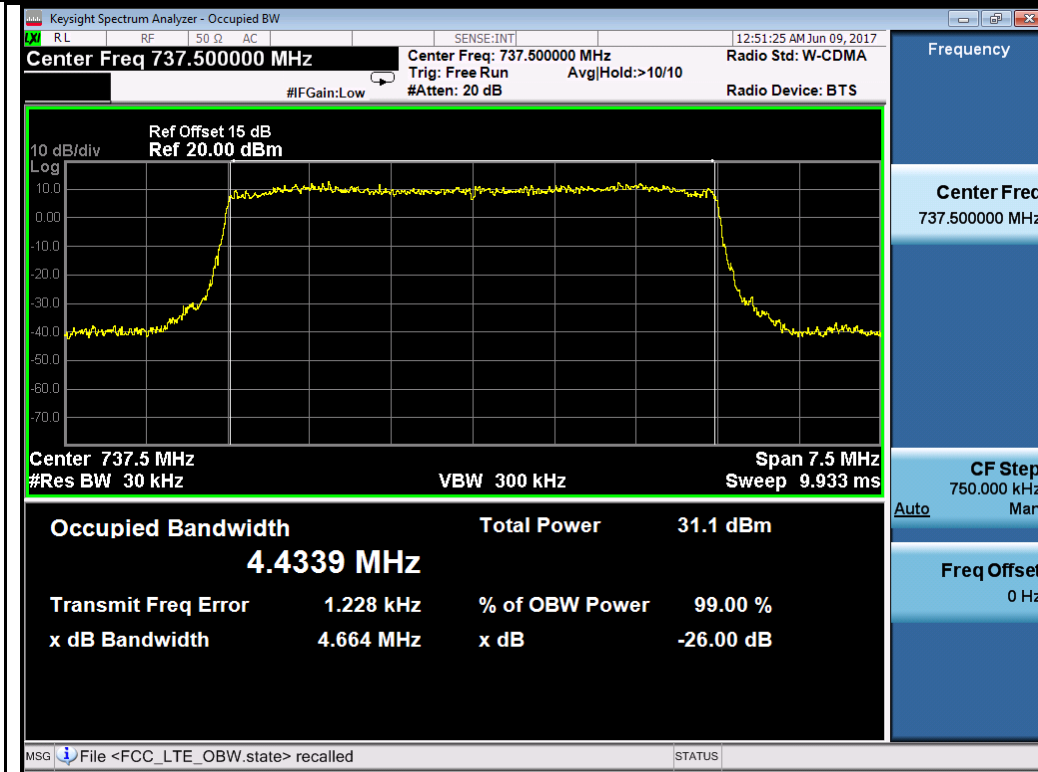
5M QPSK Mid



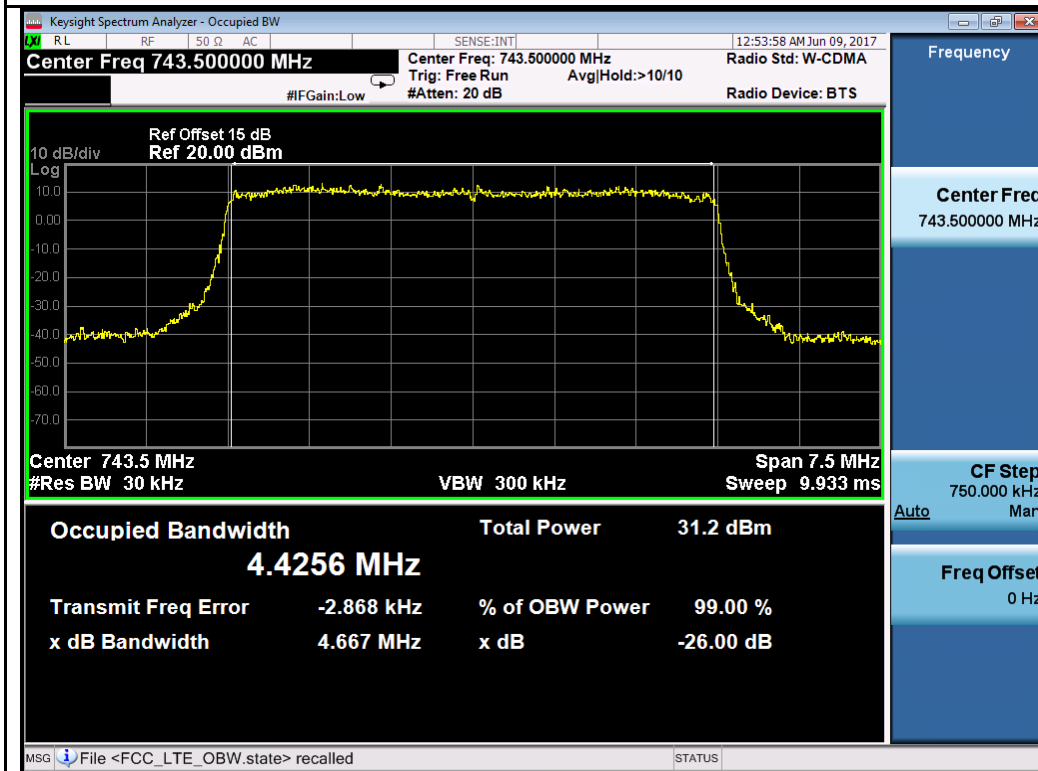
**5M QPSK High**



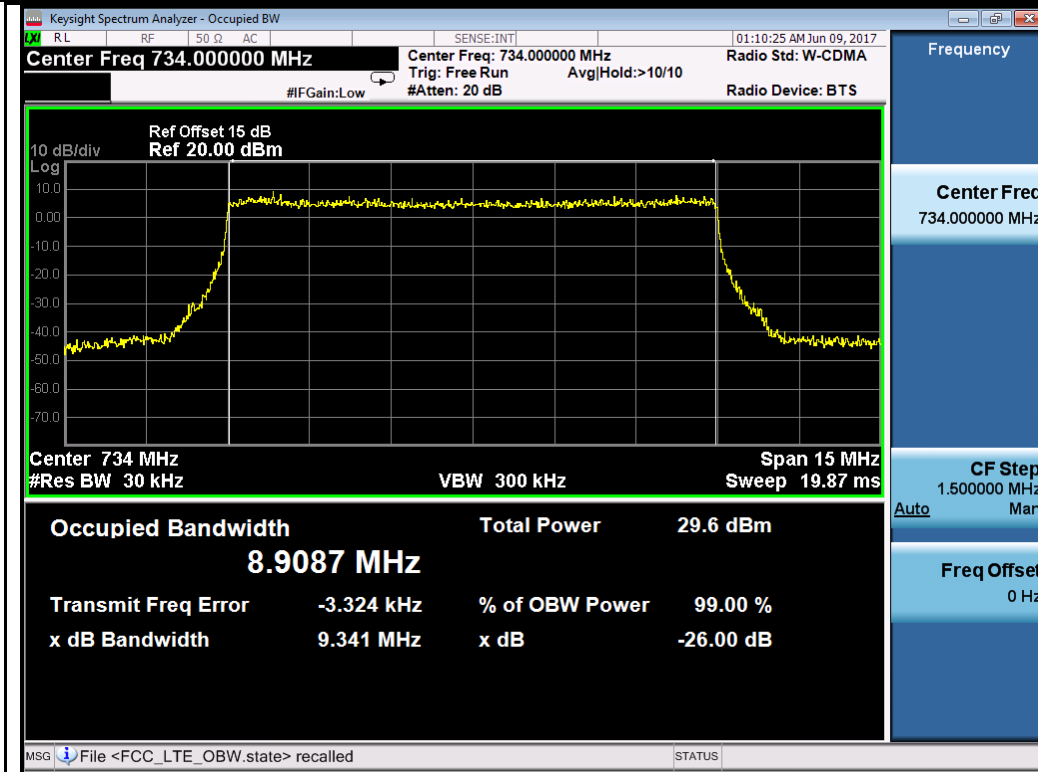
**5M 64QAM Low**



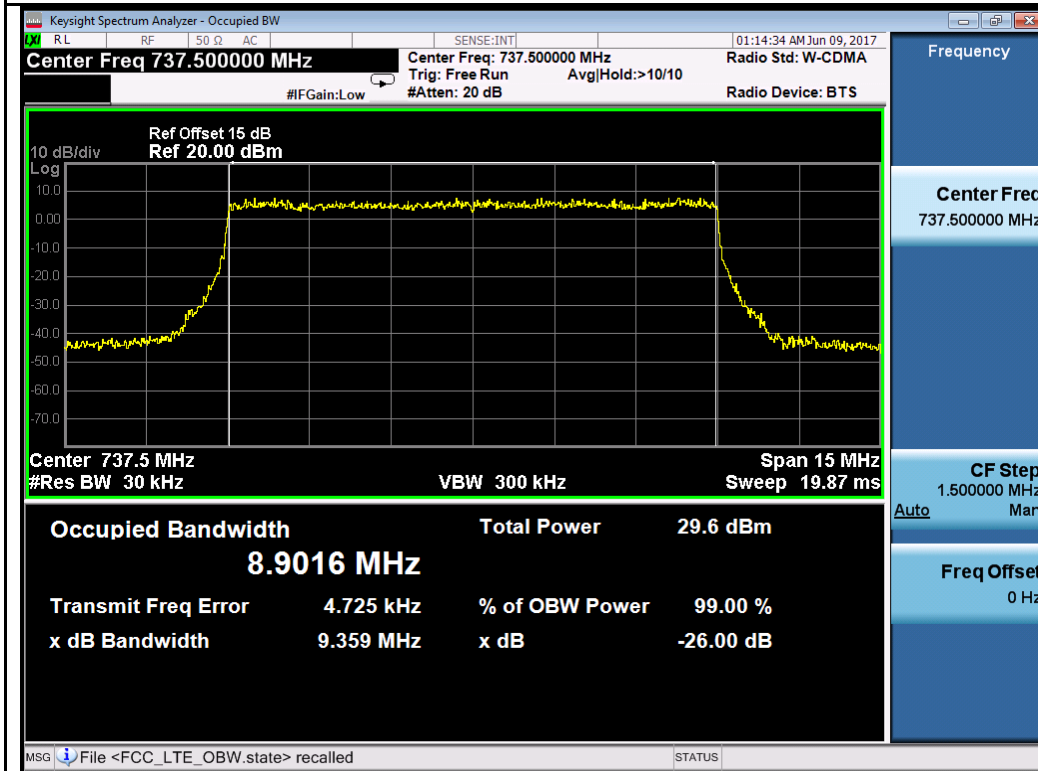
5M 64QAM Mid



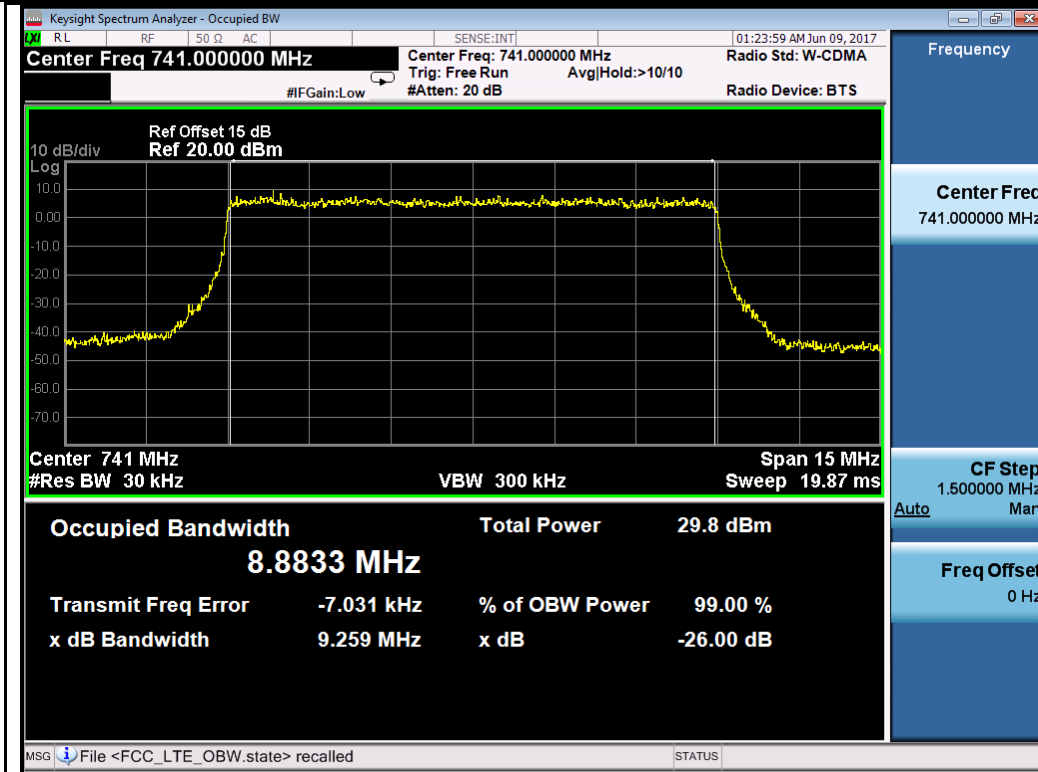
5M 64QAM High



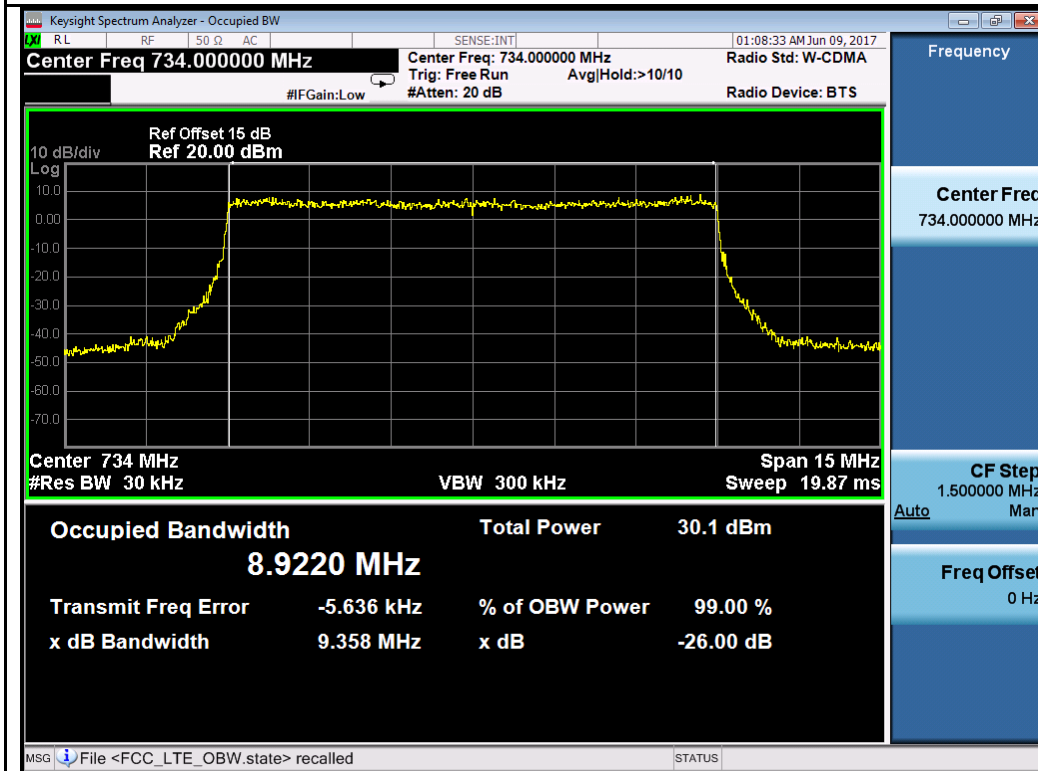
10M QPSK Low



10M QPSK Mid

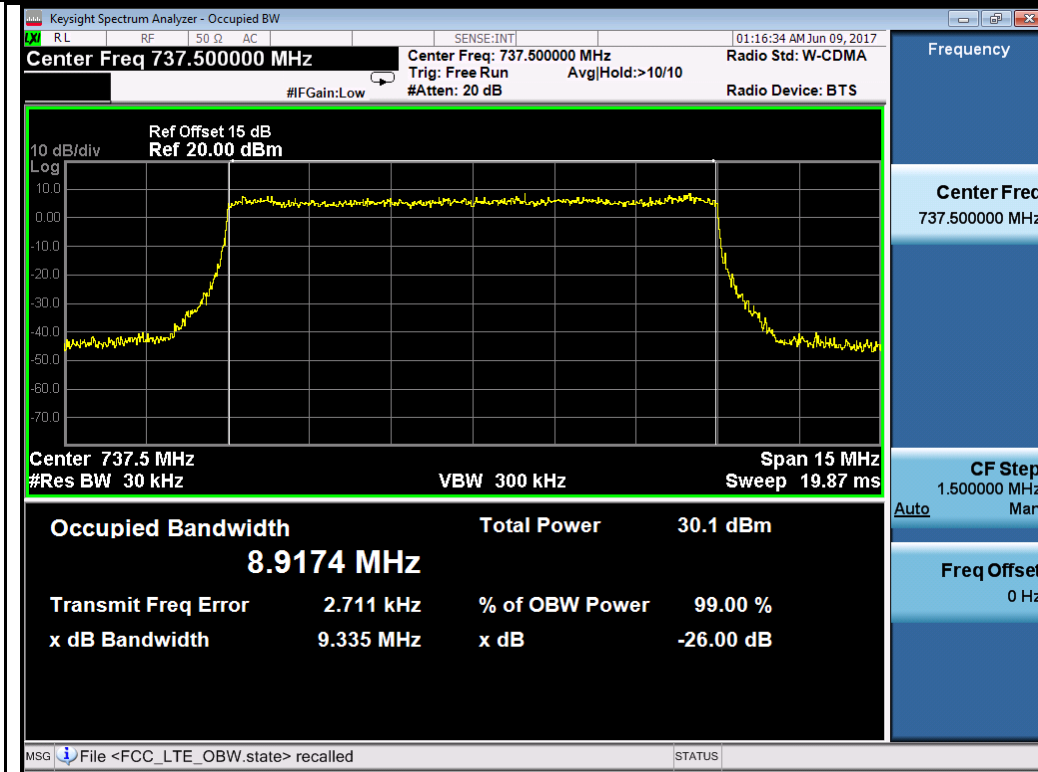


10M QPSK High

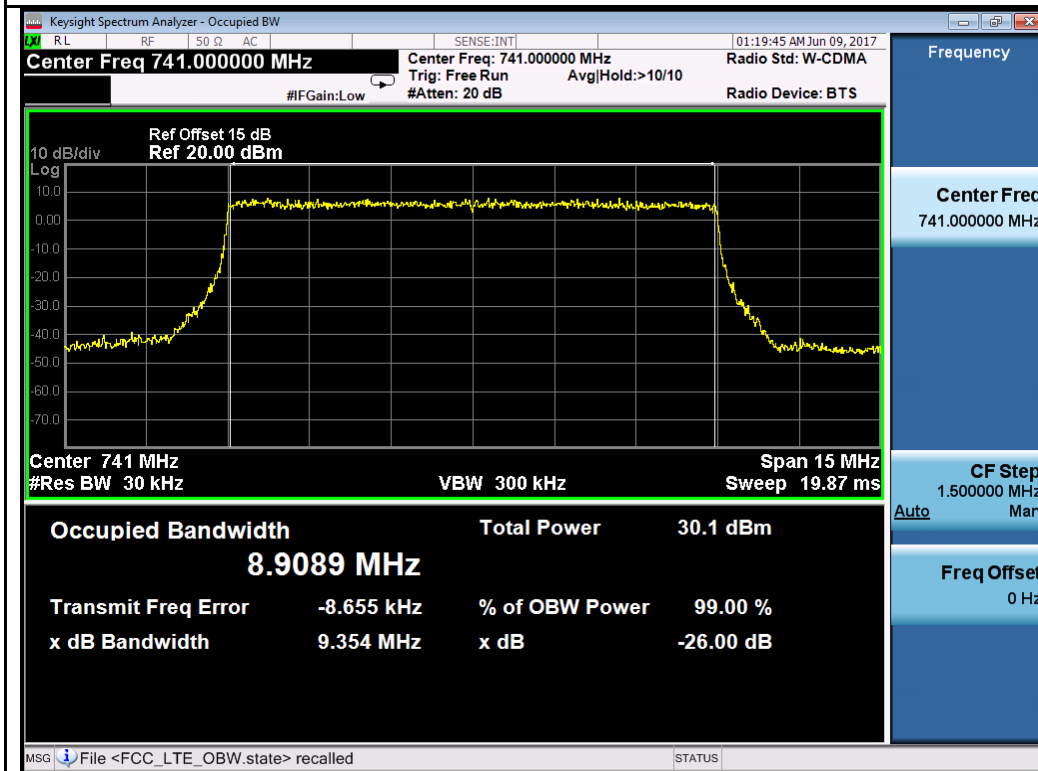


10M 64QAM Low





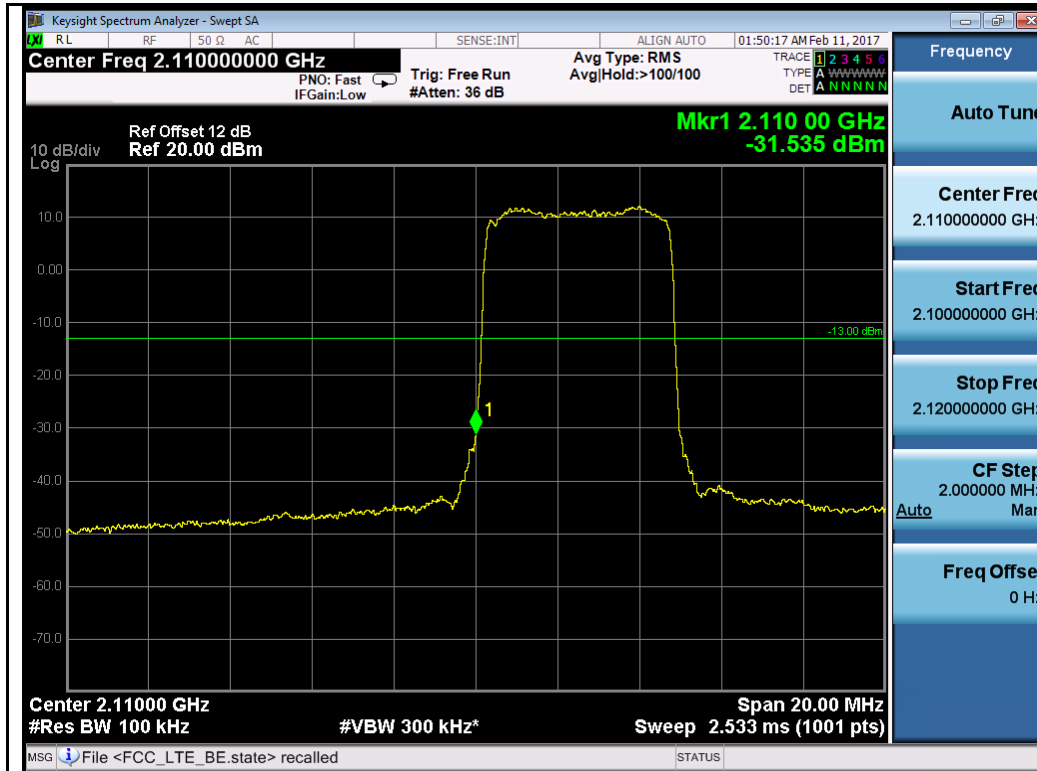
10M 64QAM Mid



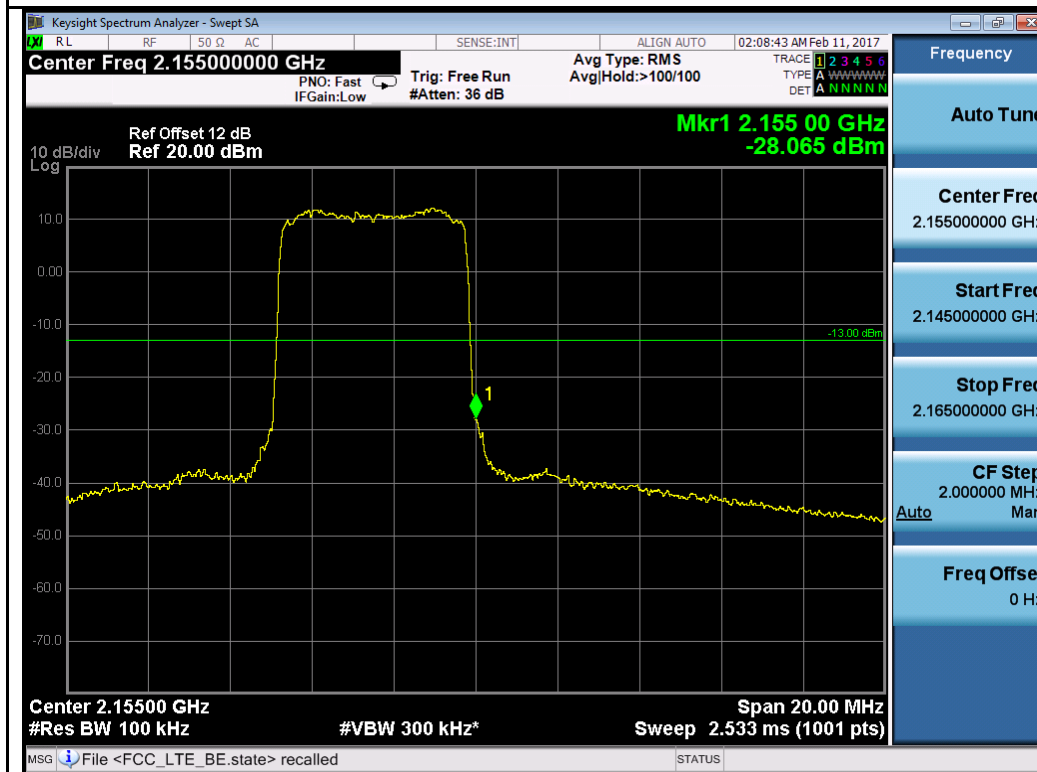
10M 64QAM High



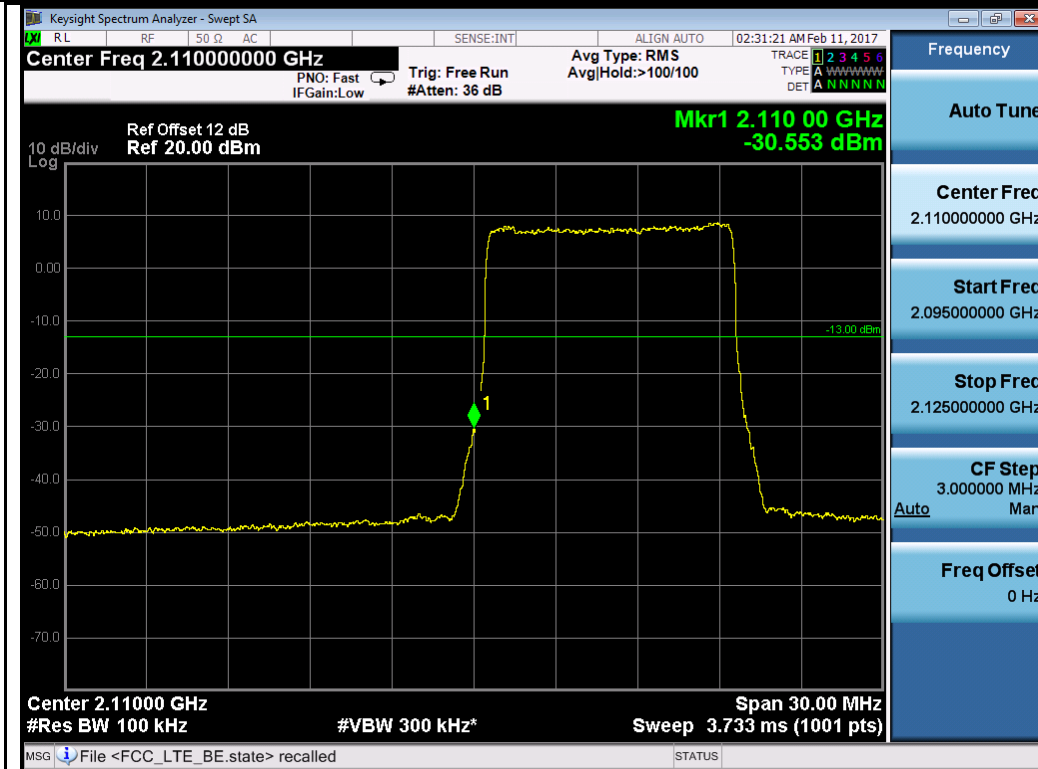
Test Plots for band 4:  
Chain 1:



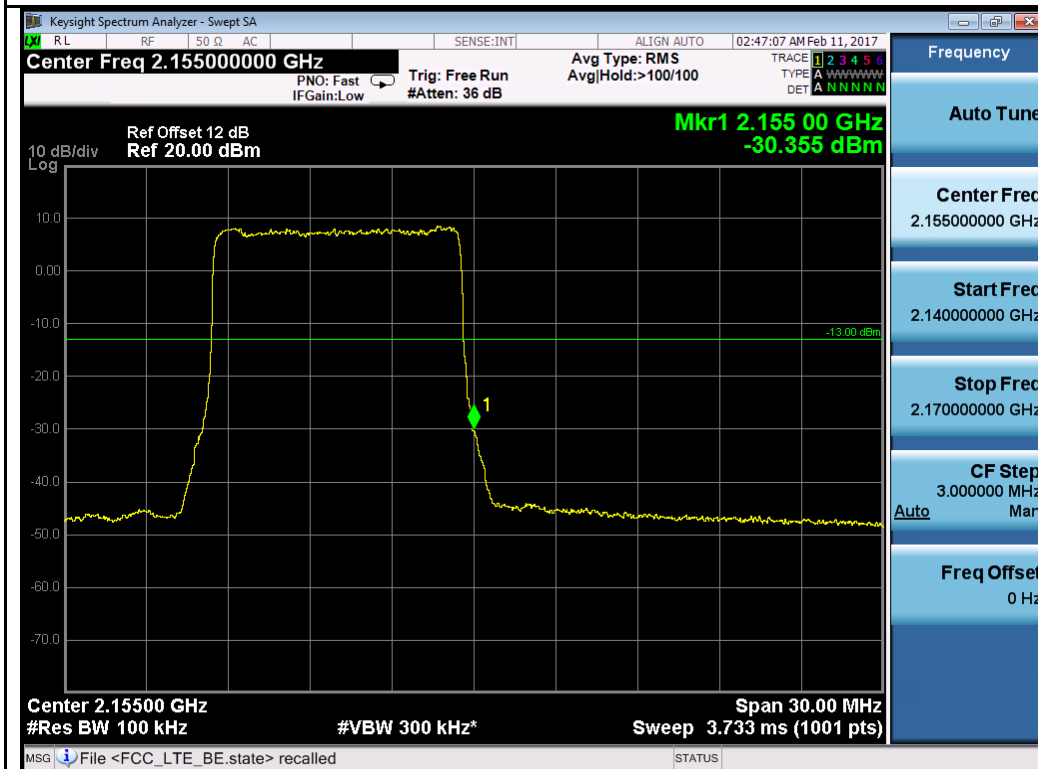
BW 5M QPSK Low



BW 5M QPSK High



BW 10M QPSK Low



BW 10M QPSK High