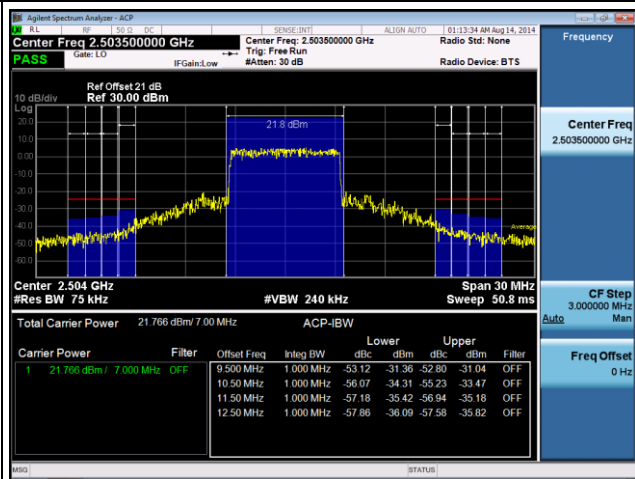
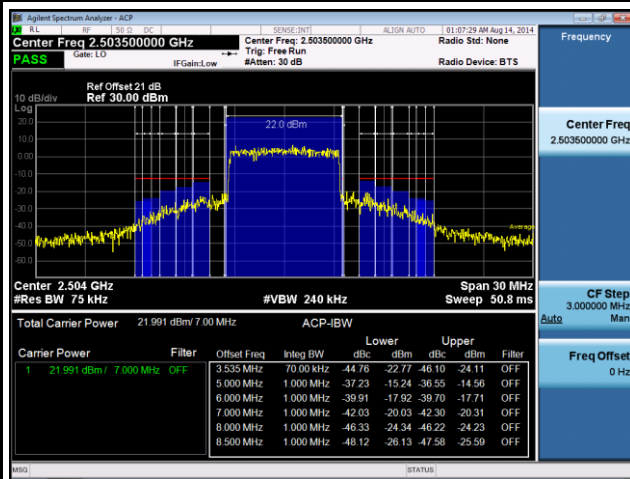
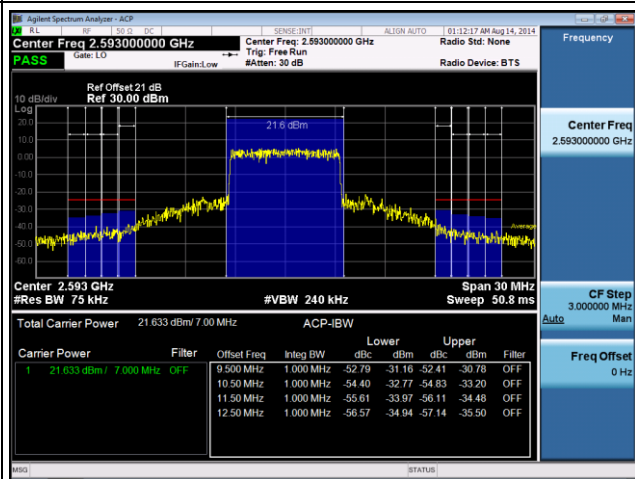
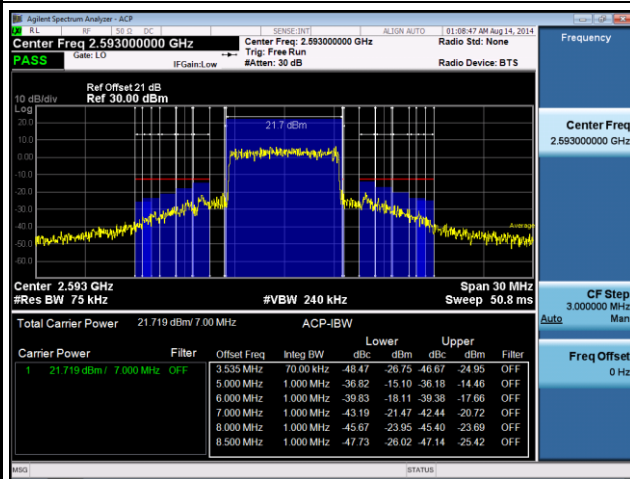


Mode WiMAX, CB: 7MHz, QPSK

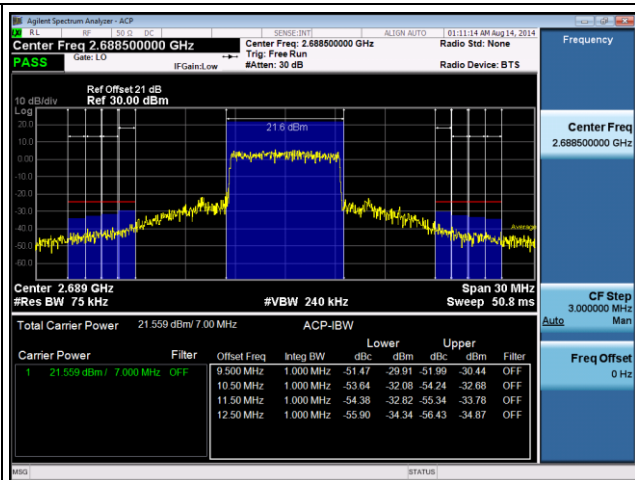
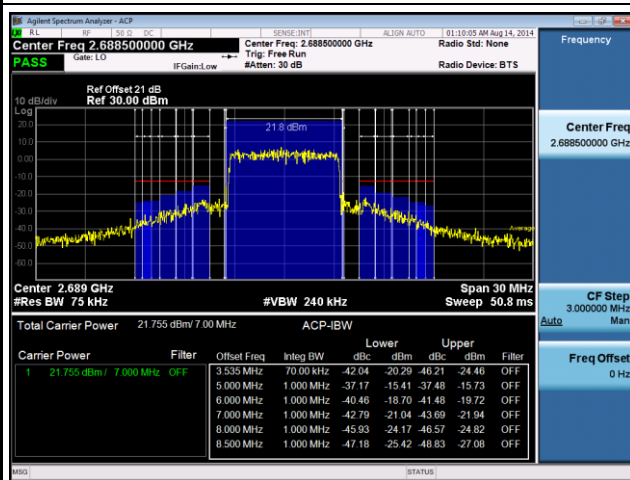
Low Channel



Mid. Channel

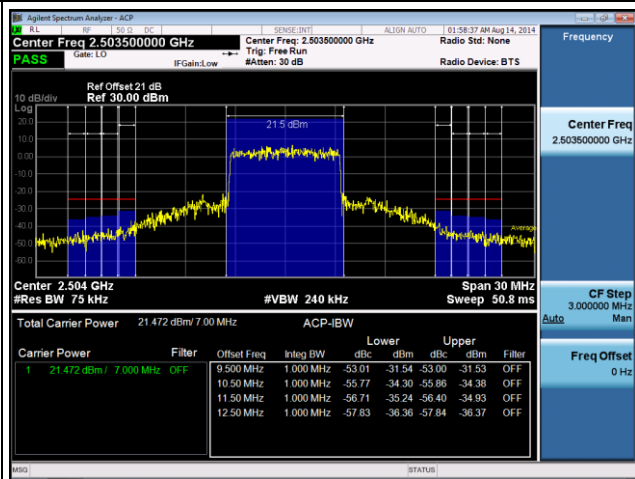
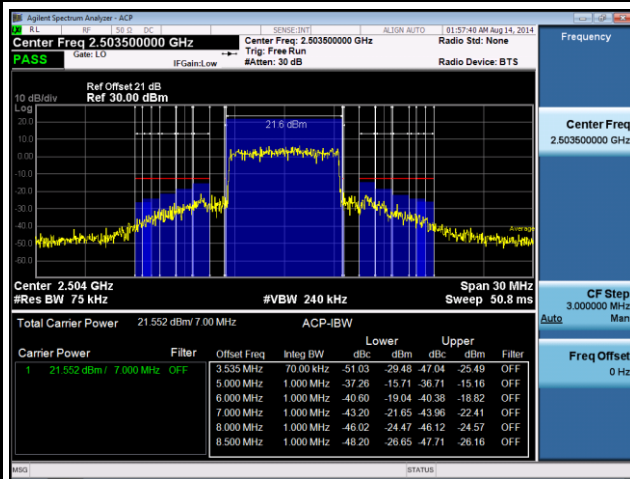


High Channel

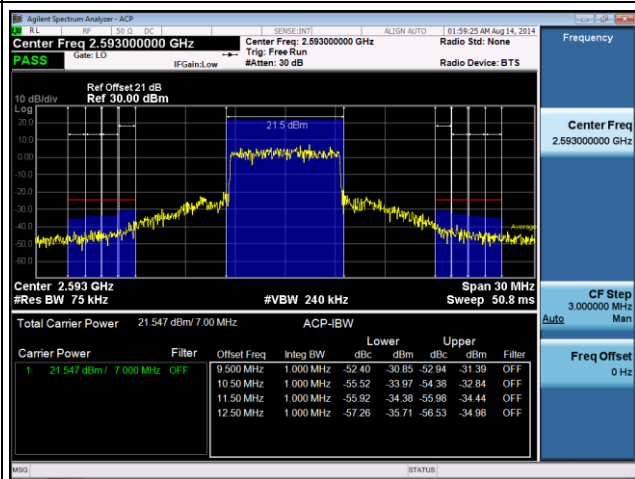
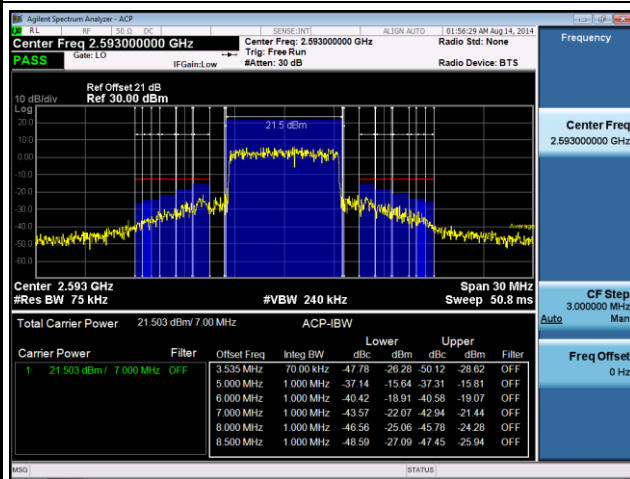


Mode WiMAX, CB: 7MHz, 16QAM

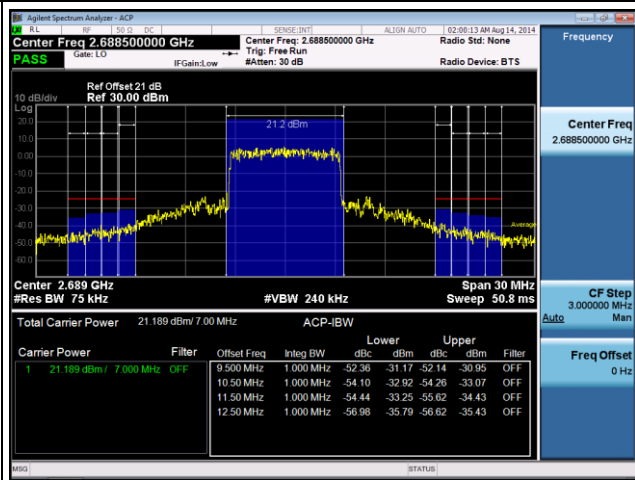
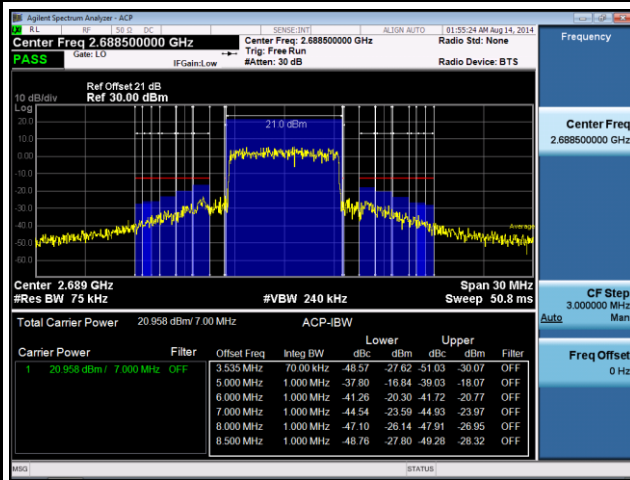
Low Channel



Mid. Channel

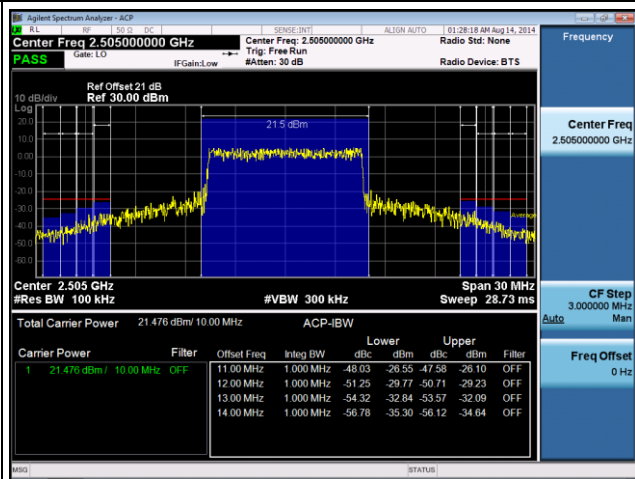
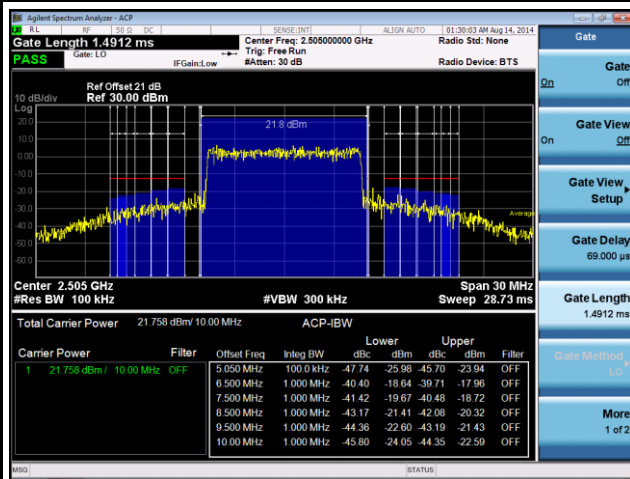


High Channel

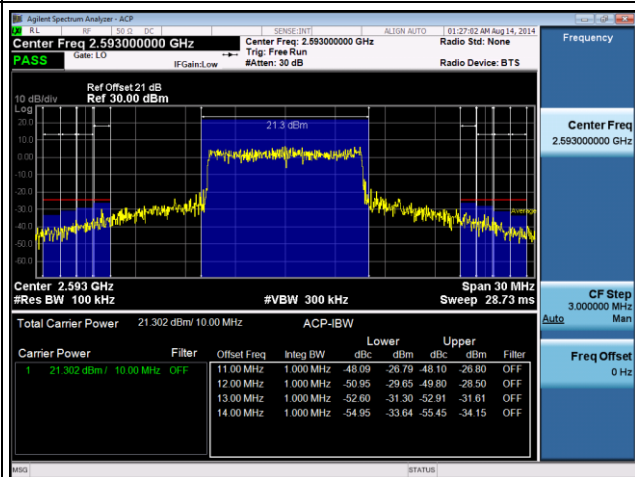
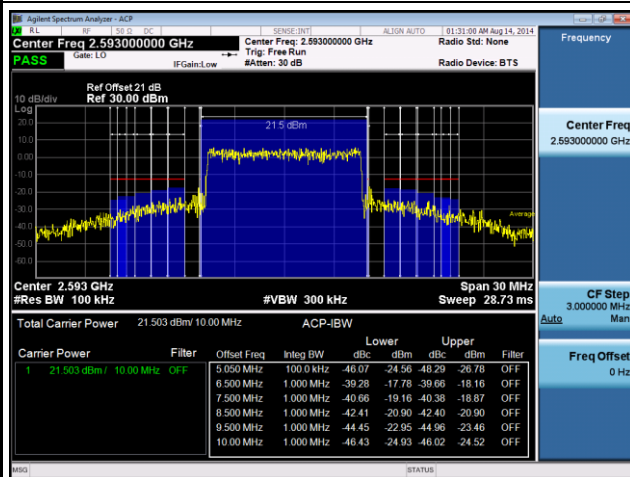


Mode WiMAX, CB: 10MHz, QPSK

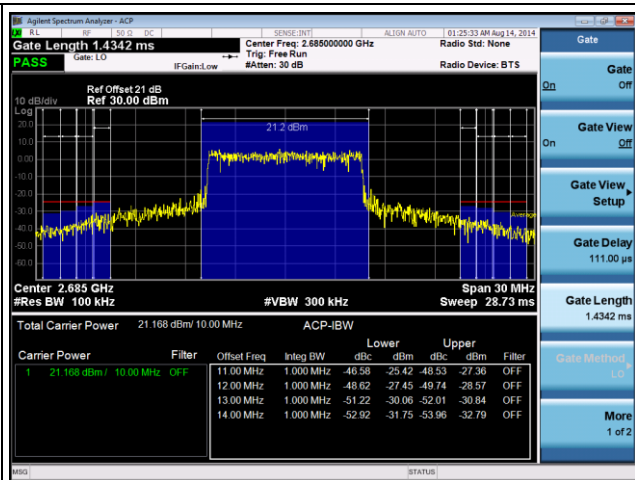
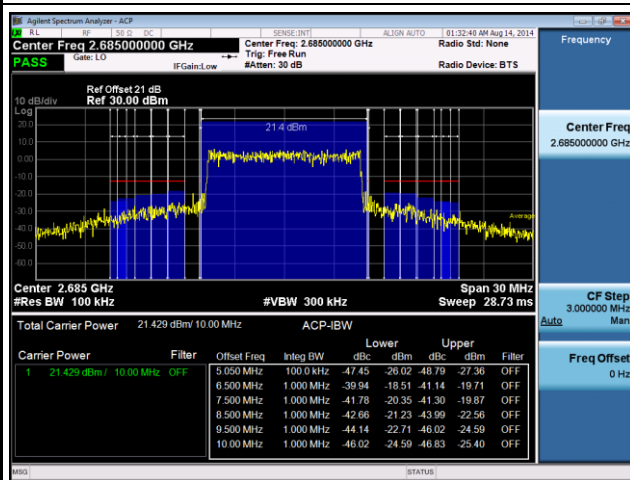
Low Channel



Mid. Channel

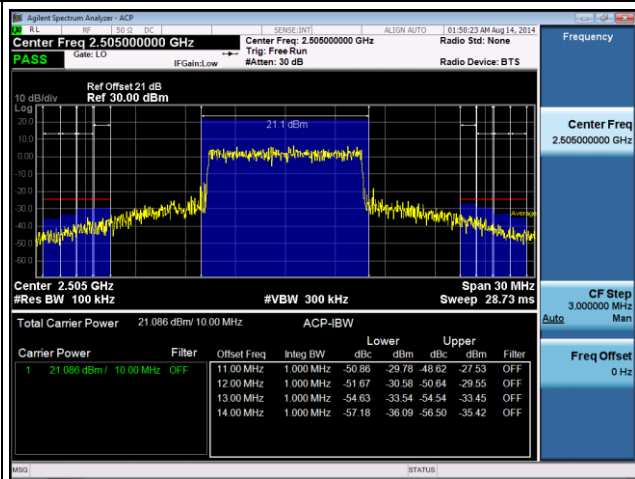
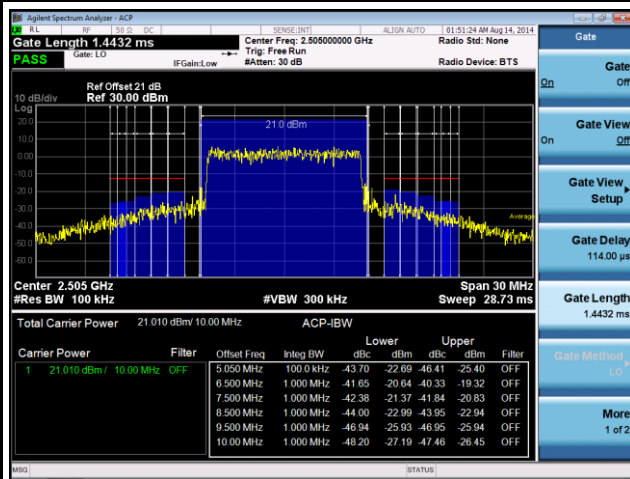


High Channel

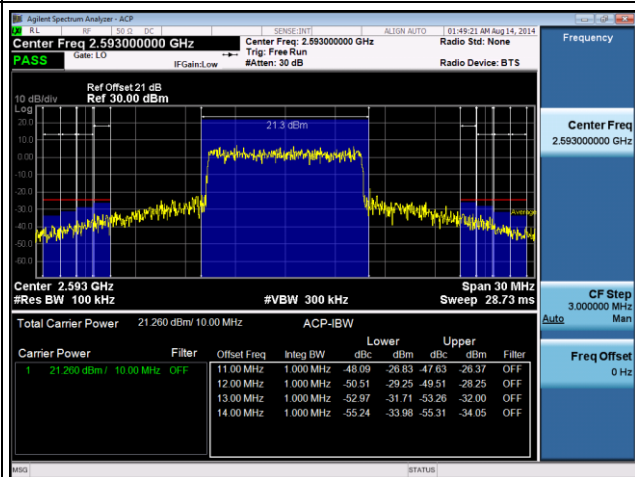
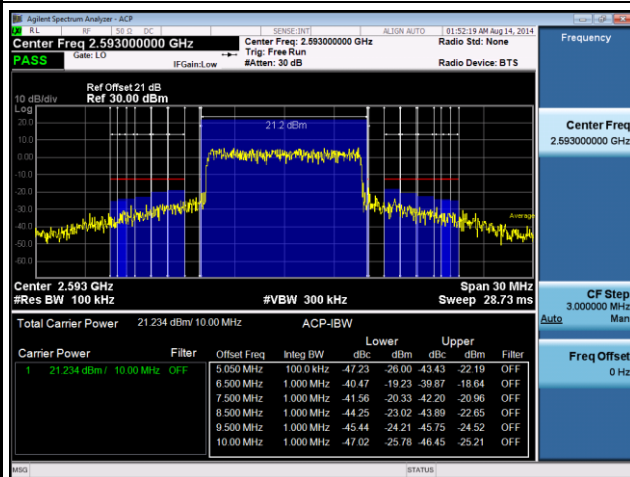


Mode WiMAX, CB: 10MHz, 16QAM

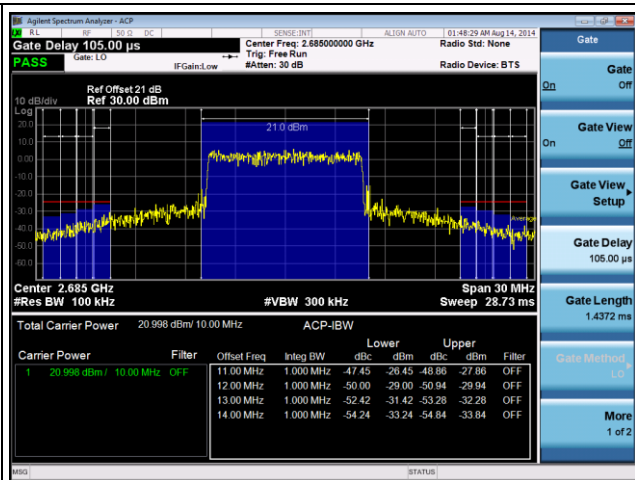
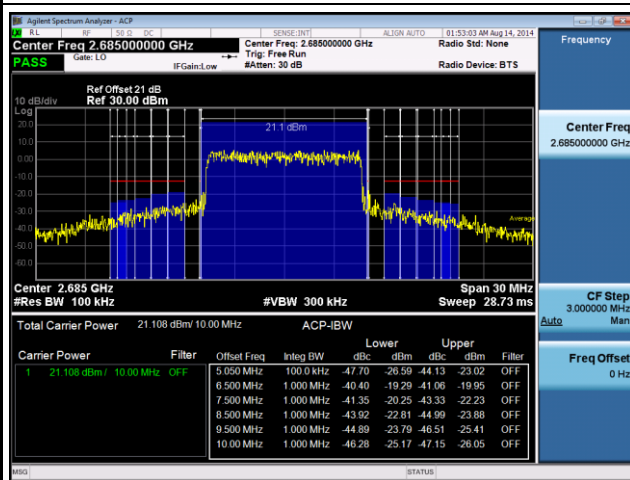
Low Channel



Mid. Channel



High Channel

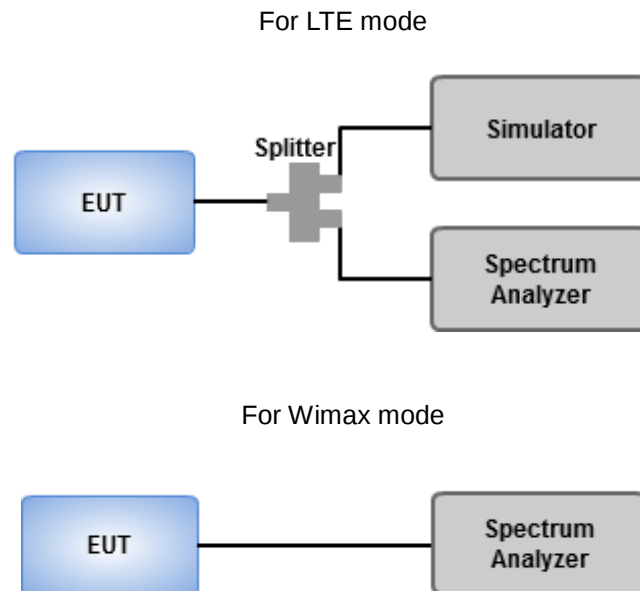


3.5 Emission and Occupied Bandwidth

3.5.1 Test Procedures

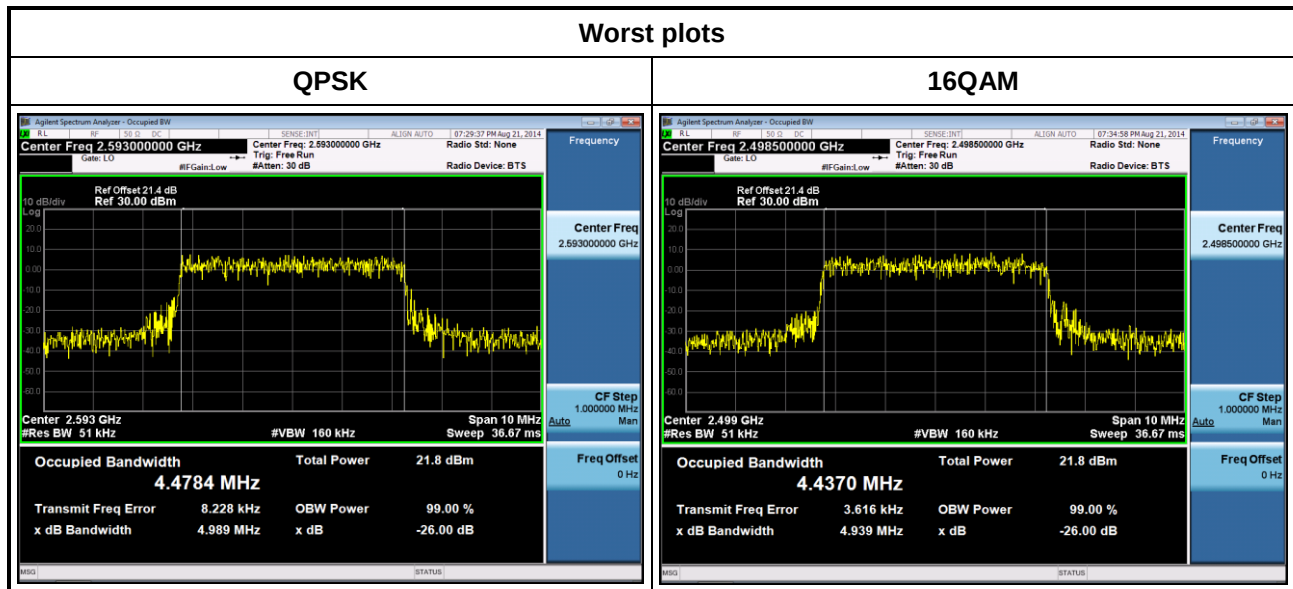
1. Set resolution bandwidth (RBW) = 51~200 kHz, Video bandwidth=160 ~ 620kHz for 5 ~ 20 MHz channel bandwidth
2. Set Detector = Peak, Trace mode = max hold, Sweep = auto couple, Allow the trace to stabilize.
3. Using 26dB and occupied bandwidth measurement function of spectrum analyzer to measure bandwidth

3.5.2 Test Setup

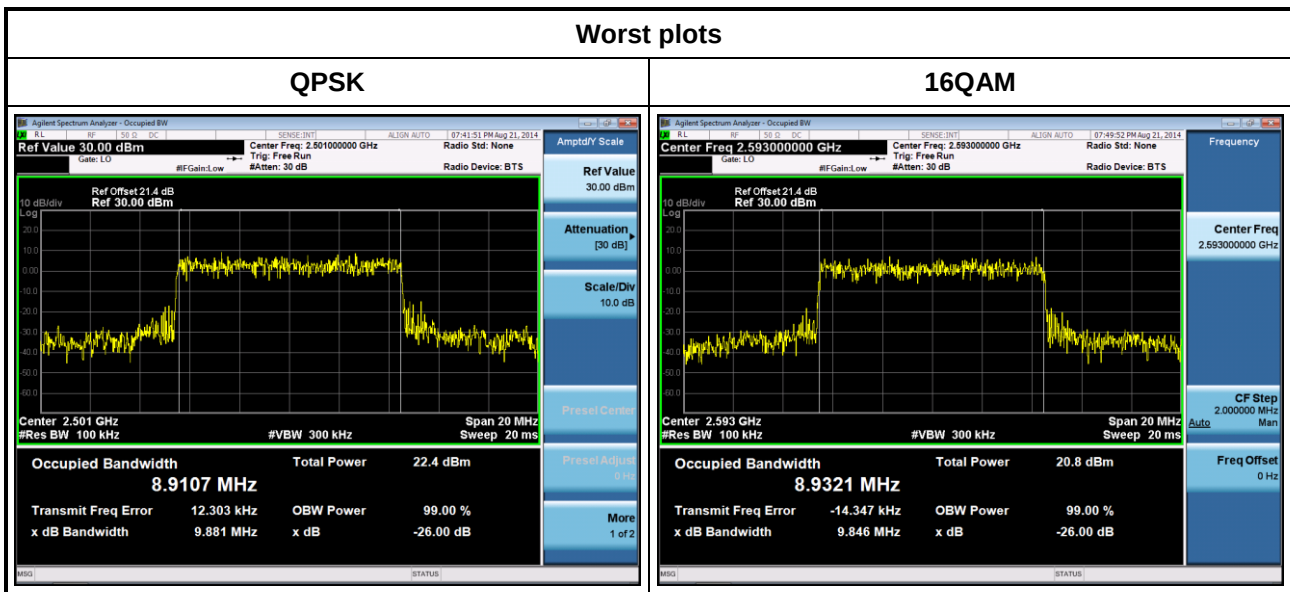


3.5.3 Test Result of Occupied Bandwidth_LTE

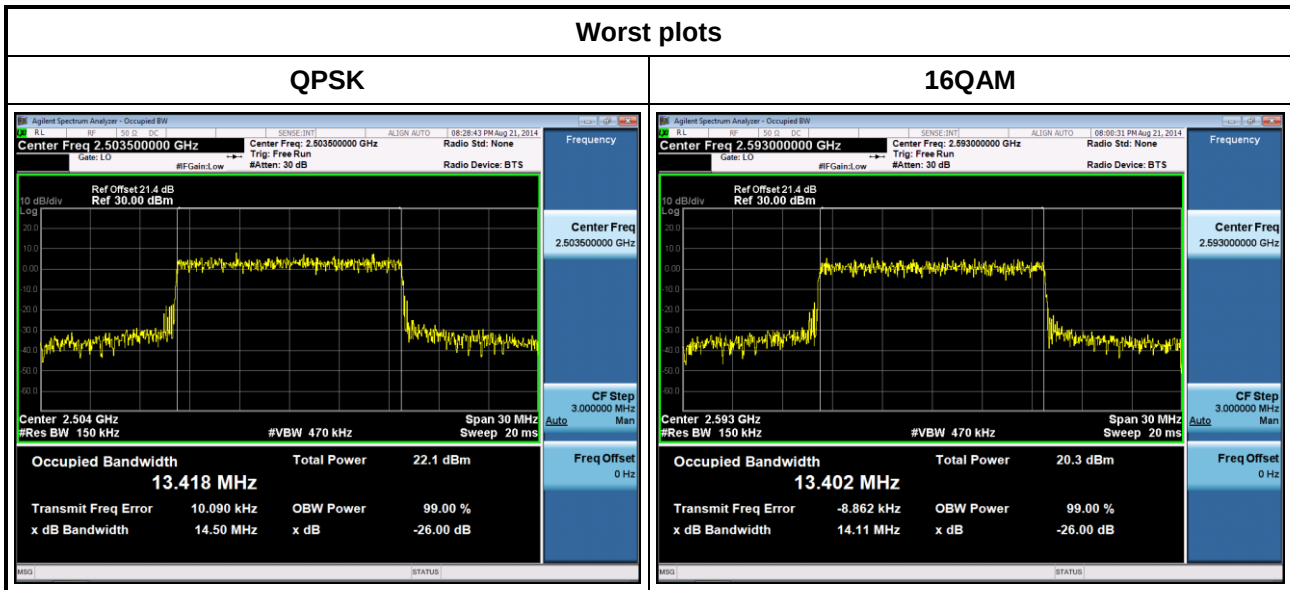
Channel Bandwidth (MHz)	Modulation	Frequency (MHz)	26dB BW (MHz)	99% OBW (MHz)
5	QPSK	2498.5	4.988	4.48
5	QPSK	2593.0	4.989	4.48
5	QPSK	2687.5	4.975	4.47
5	16QAM	2498.5	4.939	4.44
5	16QAM	2593.0	4.750	4.46
5	16QAM	2687.5	4.749	4.46



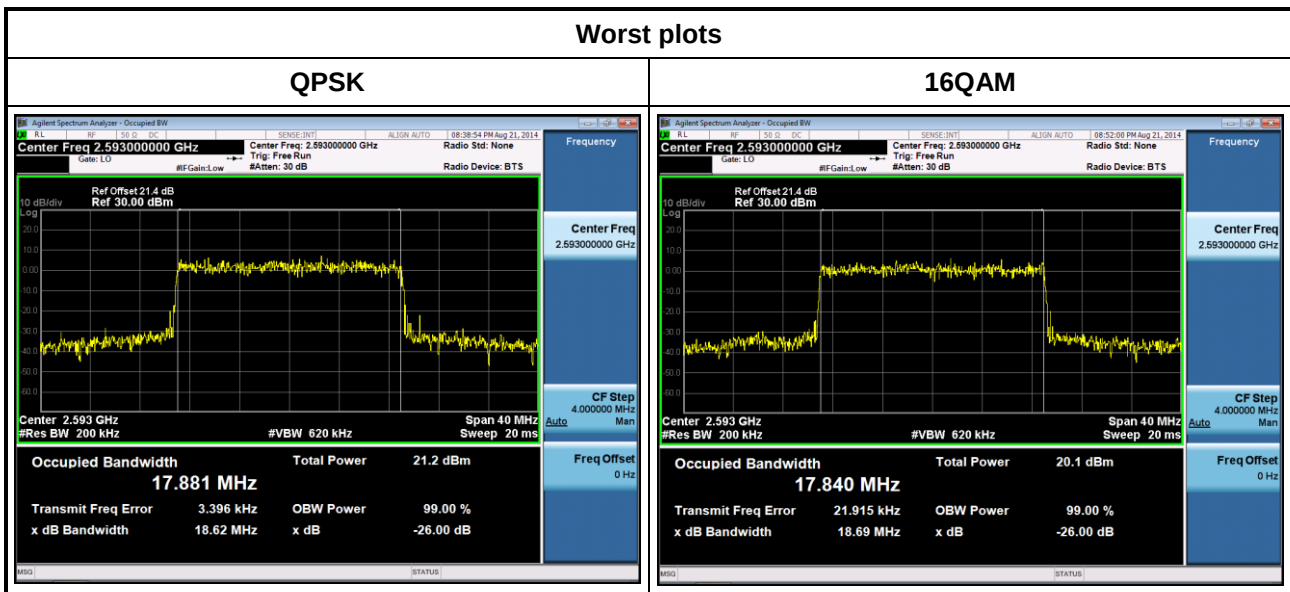
Channel Bandwidth (MHz)	Modulation	Frequency (MHz)	26dB BW (MHz)	99% OBW (MHz)
10	QPSK	2501.0	9.881	8.91
10	QPSK	2593.0	9.850	8.96
10	QPSK	2685.0	9.748	9.16
10	16QAM	2501.0	9.533	8.88
10	16QAM	2593.0	9.846	8.93
10	16QAM	2685.0	9.659	9.14



Channel Bandwidth (MHz)	Modulation	Frequency (MHz)	26dB BW (MHz)	99% OBW (MHz)
15	QPSK	2503.5	14.50	13.42
15	QPSK	2593.0	14.26	13.38
15	QPSK	2682.5	14.20	13.39
15	16QAM	2503.5	14.00	13.38
15	16QAM	2593.0	14.11	13.40
15	16QAM	2682.5	14.08	13.39



Channel Bandwidth (MHz)	Modulation	Frequency (MHz)	26dB BW (MHz)	99% OBW (MHz)
20	QPSK	2506.0	18.46	17.79
20	QPSK	2593.0	18.62	17.88
20	QPSK	2680.0	18.42	17.89
20	16QAM	2506.0	18.46	17.84
20	16QAM	2593.0	18.69	17.84
20	16QAM	2680.0	18.65	17.85



3.5.4 Test Result of Occupied Bandwidth_WiMAX

Channel Bandwidth (MHz)	Modulation	Frequency (MHz)	26dB BW (MHz)	99% OBW (MHz)
5	QPSK	2502.5	4.959	4.43
5	QPSK	2593.0	4.947	4.44
5	QPSK	2687.5	4.876	4.45
5	16QAM	2502.5	4.995	4.46
5	16QAM	2593.0	4.999	4.46
5	16QAM	2687.5	4.943	4.46

