Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	37.755
		High	2 670.00	37.822
Port 16	QPSK	Low	2 516.00	37.897
		Middle	2 583.00	37.918
		High	2 670.00	37.831
	16QAM	Low	2 516.00	37.897
		Middle	2 583.00	37.810
		High	2 670.00	37.893
	64QAM	Low	2 516.00	37.845
		Middle	2 583.00	37.821
		High	2 670.00	37.845
	256QAM	Low	2 516.00	37.825
		Middle	2 583.00	37.809
		High	2 670.00	37.786
Port 17	QPSK	Low	2 516.00	37.890
		Middle	2 583.00	37.977
		High	2 670.00	37.832
	16QAM	Low	2 516.00	31.811
		Middle	2 583.00	37.895
		High	2 670.00	37.918
	64QAM	Low	2 516.00	37.809
		Middle	2 583.00	37.865
		High	2 670.00	37.818
	256QAM	Low	2 516.00	37.940
		Middle	2 583.00	37.858
		High	2 670.00	37.803
Port 18	QPSK	Low	2 516.00	37.850
		Middle	2 583.00	37.874
		High	2 670.00	37.866
	16QAM	Low	2 516.00	37.946
		Middle	2 583.00	37.909
		High	2 670.00	37.816

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 516.00	37.843
		Middle	2 583.00	37.814
		High	2 670.00	37.868
	256QAM	Low	2 516.00	37.790
		Middle	2 583.00	37.780
		High	2 670.00	37.725
Port 19	QPSK	Low	2 516.00	37.835
		Middle	2 583.00	37.984
		High	2 670.00	37.865
	16QAM	Low	2 516.00	37.971
		Middle	2 583.00	37.865
		High	2 670.00	37.795
	64QAM	Low	2 516.00	37.771
		Middle	2 583.00	37.814
		High	2 670.00	37.784
	256QAM	Low	2 516.00	37.848
		Middle	2 583.00	37.772
		High	2 670.00	37.823
Port 20	QPSK	Low	2 516.00	37.819
		Middle	2 583.00	37.828
		High	2 670.00	37.844
	16QAM	Low	2 516.00	37.884
		Middle	2 583.00	37.846
		High	2 670.00	37.961
	64QAM	Low	2 516.00	37.742
		Middle	2 583.00	37.742
		High	2 670.00	37.788
	256QAM	Low	2 516.00	37.850
		Middle	2 583.00	37.776
		High	2 670.00	37.814
Port 21	QPSK	Low	2 516.00	37.859
		Middle	2 583.00	37.785

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 670.00	37.827
	16QAM	Low	2 516.00	37.963
		Middle	2 583.00	37.738
		High	2 670.00	37.798
	64QAM	Low	2 516.00	37.826
		Middle	2 583.00	37.826
		High	2 670.00	37.801
	256QAM	Low	2 516.00	37.772
		Middle	2 583.00	37.790
		High	2 670.00	37.824
Port 22	QPSK	Low	2 516.00	37.882
		Middle	2 583.00	37.848
		High	2 670.00	37.744
	16QAM	Low	2 516.00	37.866
		Middle	2 583.00	37.996
		High	2 670.00	37.806
	64QAM	Low	2 516.00	37.820
		Middle	2 583.00	37.807
		High	2 670.00	37.860
	256QAM	Low	2 516.00	37.796
		Middle	2 583.00	37.843
		High	2 670.00	37.860
Port 23	QPSK	Low	2 516.00	37.789
		Middle	2 583.00	37.809
		High	2 670.00	37.865
	16QAM	Low	2 516.00	37.818
		Middle	2 583.00	37.851
		High	2 670.00	37.769
	64QAM	Low	2 516.00	37.834
		Middle	2 583.00	37.845
		High	2 670.00	37.811
	256QAM	Low	2 516.00	37.900

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	37.787
		High	2 670.00	37.772
Port 24	QPSK	Low	2 516.00	37.944
		Middle	2 583.00	37.898
		High	2 670.00	37.815
	16QAM	Low	2 516.00	37.831
		Middle	2 583.00	37.980
		High	2 670.00	37.806
	64QAM	Low	2 516.00	37.864
		Middle	2 583.00	37.813
		High	2 670.00	37.845
	256QAM	Low	2 516.00	37.720
		Middle	2 583.00	37.810
		High	2 670.00	37.800
Port 25	QPSK	Low	2 516.00	37.904
		Middle	2 583.00	37.894
		High	2 670.00	37.810
	16QAM	Low	2 516.00	37.808
		Middle	2 583.00	37.840
		High	2 670.00	37.844
	64QAM	Low	2 516.00	37.796
		Middle	2 583.00	37.802
		High	2 670.00	37.789
	256QAM	Low	2 516.00	37.818
		Middle	2 583.00	37.869
		High	2 670.00	37.798
Port 26	QPSK	Low	2 516.00	37.797
		Middle	2 583.00	37.925
		High	2 670.00	37.837
	16QAM	Low	2 516.00	37.827
		Middle	2 583.00	37.916
		High	2 670.00	37.999

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 516.00	37.831
		Middle	2 583.00	37.853
		High	2 670.00	37.801
	256QAM	Low	2 516.00	37.872
		Middle	2 583.00	37.818
		High	2 670.00	37.842
Port 27	QPSK	Low	2 516.00	37.754
		Middle	2 583.00	37.860
		High	2 670.00	37.819
	16QAM	Low	2 516.00	37.859
		Middle	2 583.00	38.008
		High	2 670.00	37.866
	64QAM	Low	2 516.00	37.840
		Middle	2 583.00	37.824
		High	2 670.00	37.774
	256QAM	Low	2 516.00	37.728
		Middle	2 583.00	37.847
		High	2 670.00	37.800
Port 28	QPSK	Low	2 516.00	37.879
		Middle	2 583.00	37.894
		High	2 670.00	37.817
	16QAM	Low	2 516.00	37.856
		Middle	2 583.00	37.857
		High	2 670.00	37.902
	64QAM	Low	2 516.00	37.824
		Middle	2 583.00	37.733
		High	2 670.00	37.853
	256QAM	Low	2 516.00	37.853
		Middle	2 583.00	37.822
		High	2 670.00	37.829
Port 29	QPSK	Low	2 516.00	37.799
		Middle	2 583.00	37.910

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 670.00	37.720
	16QAM	Low	2 516.00	37.876
		Middle	2 583.00	37.882
		High	2 670.00	37.843
	64QAM	Low	2 516.00	37.867
		Middle	2 583.00	37.763
		High	2 670.00	37.781
	256QAM	Low	2 516.00	37.852
		Middle	2 583.00	37.813
		High	2 670.00	37.837
Port 30	QPSK	Low	2 516.00	37.867
		Middle	2 583.00	37.918
		High	2 670.00	37.863
	16QAM	Low	2 516.00	38.017
		Middle	2 583.00	37.825
		High	2 670.00	37.821
	64QAM	Low	2 516.00	37.792
		Middle	2 583.00	37.779
		High	2 670.00	37.782
	256QAM	Low	2 516.00	37.888
		Middle	2 583.00	37.846
		High	2 670.00	37.827
Port 31	QPSK	Low	2 516.00	37.826
		Middle	2 583.00	37.852
		High	2 670.00	37.721
	16QAM	Low	2 516.00	37.884
		Middle	2 583.00	37.949
		High	2 670.00	37.851
	64QAM	Low	2 516.00	37.774
		Middle	2 583.00	37.781
		High	2 670.00	37.795
	256QAM	Low	2 516.00	37.846

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	37.810
		High	2 670.00	37.805
Port 32	QPSK	Low	2 516.00	37.942
		Middle	2 583.00	37.981
		High	2 670.00	37.825
	16QAM	Low	2 516.00	37.897
		Middle	2 583.00	37.857
		High	2 670.00	37.852
	64QAM	Low	2 516.00	37.810
		Middle	2 583.00	37.717
		High	2 670.00	37.811
	256QAM	Low	2 516.00	37.776
		Middle	2 583.00	37.809
		High	2 670.00	37.744
Port 33	QPSK	Low	2 516.00	37.835
		Middle	2 583.00	37.862
		High	2 670.00	37.805
	16QAM	Low	2 516.00	37.949
		Middle	2 583.00	37.836
		High	2 670.00	37.941
	64QAM	Low	2 516.00	37.831
		Middle	2 583.00	37.847
		High	2 670.00	37.758
	256QAM	Low	2 516.00	37.838
		Middle	2 583.00	37.816
		High	2 670.00	37.813
Port 34	QPSK	Low	2 516.00	37.835
		Middle	2 583.00	37.895
		High	2 670.00	37.762
	16QAM	Low	2 516.00	37.821
		Middle	2 583.00	37.926
		High	2 670.00	37.739

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 516.00	37.836
		Middle	2 583.00	37.819
		High	2 670.00	37.799
	256QAM	Low	2 516.00	37.774
		Middle	2 583.00	37.729
		High	2 670.00	37.742
Port 35	QPSK	Low	2 516.00	37.813
		Middle	2 583.00	37.864
		High	2 670.00	37.853
	16QAM	Low	2 516.00	37.981
		Middle	2 583.00	37.902
		High	2 670.00	37.947
	64QAM	Low	2 516.00	37.794
		Middle	2 583.00	37.830
		High	2 670.00	37.847
	256QAM	Low	2 516.00	37.744
		Middle	2 583.00	37.845
		High	2 670.00	37.812
Port 36	QPSK	Low	2 516.00	37.882
		Middle	2 583.00	37.889
		High	2 670.00	37.812
	16QAM	Low	2 516.00	37.872
		Middle	2 583.00	37.934
		High	2 670.00	37.817
	64QAM	Low	2 516.00	37.811
		Middle	2 583.00	37.802
		High	2 670.00	37.825
	256QAM	Low	2 516.00	37.771
		Middle	2 583.00	37.832
		High	2 670.00	37.878
Port 37	QPSK	Low	2 516.00	37.847
		Middle	2 583.00	37.747

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 670.00	37.876
	16QAM	Low	2 516.00	37.892
		Middle	2 583.00	37.878
		High	2 670.00	37.909
	64QAM	Low	2 516.00	37.820
		Middle	2 583.00	37.767
		High	2 670.00	37.745
	256QAM	Low	2 516.00	37.807
		Middle	2 583.00	37.777
		High	2 670.00	37.794
Port 38	QPSK	Low	2 516.00	37.810
		Middle	2 583.00	37.920
		High	2 670.00	37.912
	16QAM	Low	2 516.00	38.008
		Middle	2 583.00	37.931
		High	2 670.00	37.843
	64QAM	Low	2 516.00	37.758
		Middle	2 583.00	37.836
		High	2 670.00	37.810
	256QAM	Low	2 516.00	37.856
		Middle	2 583.00	37.836
		High	2 670.00	37.730
Port 39	QPSK	Low	2 516.00	37.899
		Middle	2 583.00	37.829
		High	2 670.00	37.978
	16QAM	Low	2 516.00	37.905
		Middle	2 583.00	37.852
		High	2 670.00	37.837
	64QAM	Low	2 516.00	37.832
		Middle	2 583.00	37.723
		High	2 670.00	37.774
	256QAM	Low	2 516.00	37.793

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	37.763
		High	2 670.00	37.760
Port 40	QPSK	Low	2 516.00	37.887
		Middle	2 583.00	37.772
		High	2 670.00	37.755
	16QAM	Low	2 516.00	37.947
		Middle	2 583.00	37.988
		High	2 670.00	37.933
	64QAM	Low	2 516.00	37.765
		Middle	2 583.00	37.816
		High	2 670.00	37.823
	256QAM	Low	2 516.00	37.814
		Middle	2 583.00	37.821
		High	2 670.00	37.843
Port 41	QPSK	Low	2 516.00	37.817
		Middle	2 583.00	37.844
		High	2 670.00	37.790
	16QAM	Low	2 516.00	37.869
		Middle	2 583.00	37.912
		High	2 670.00	37.870
	64QAM	Low	2 516.00	37.845
		Middle	2 583.00	37.845
		High	2 670.00	37.810
	256QAM	Low	2 516.00	37.848
		Middle	2 583.00	37.880
		High	2 670.00	37.834
Port 42	QPSK	Low	2 516.00	37.877
		Middle	2 583.00	37.914
		High	2 670.00	37.871
	16QAM	Low	2 516.00	37.909
		Middle	2 583.00	37.857
		High	2 670.00	37.871

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 516.00	37.725
		Middle	2 583.00	37.733
		High	2 670.00	37.760
	256QAM	Low	2 516.00	37.811
		Middle	2 583.00	37.777
		High	2 670.00	37.727
Port 43	QPSK	Low	2 516.00	37.791
		Middle	2 583.00	37.781
		High	2 670.00	37.844
	16QAM	Low	2 516.00	37.807
		Middle	2 583.00	37.845
		High	2 670.00	37.849
	64QAM	Low	2 516.00	37.912
		Middle	2 583.00	37.858
		High	2 670.00	37.801
	256QAM	Low	2 516.00	37.837
		Middle	2 583.00	37.732
		High	2 670.00	37.847
Port 44	QPSK	Low	2 516.00	37.860
		Middle	2 583.00	37.884
		High	2 670.00	37.844
	16QAM	Low	2 516.00	37.849
		Middle	2 583.00	37.859
		High	2 670.00	37.870
	64QAM	Low	2 516.00	37.793
		Middle	2 583.00	37.861
		High	2 670.00	37.776
	256QAM	Low	2 516.00	37.781
		Middle	2 583.00	37.860
		High	2 670.00	37.740
Port 45	QPSK	Low	2 516.00	37.787
		Middle	2 583.00	37.890

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 670.00	37.779
	16QAM	Low	2 516.00	37.833
		Middle	2 583.00	37.879
		High	2 670.00	37.798
	64QAM	Low	2 516.00	37.830
		Middle	2 583.00	37.822
		High	2 670.00	37.898
	256QAM	Low	2 516.00	37.762
		Middle	2 583.00	37.819
		High	2 670.00	37.748
Port 46	QPSK	Low	2 516.00	37.836
		Middle	2 583.00	37.843
		High	2 670.00	37.763
	16QAM	Low	2 516.00	37.923
		Middle	2 583.00	37.891
		High	2 670.00	37.843
	64QAM	Low	2 516.00	37.844
		Middle	2 583.00	37.837
		High	2 670.00	37.767
	256QAM	Low	2 516.00	37.774
		Middle	2 583.00	37.784
		High	2 670.00	37.769
Port 47	QPSK	Low	2 516.00	37.849
		Middle	2 583.00	37.755
		High	2 670.00	37.804
	16QAM	Low	2 516.00	37.897
		Middle	2 583.00	37.866
		High	2 670.00	37.944
	64QAM	Low	2 516.00	37.814
		Middle	2 583.00	37.893
		High	2 670.00	37.864
	256QAM	Low	2 516.00	37.743

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	37.886
		High	2 670.00	37.741
Port 48	QPSK	Low	2 516.00	37.844
		Middle	2 583.00	37.851
		High	2 670.00	37.793
	16QAM	Low	2 516.00	37.754
		Middle	2 583.00	37.864
		High	2 670.00	37.882
	64QAM	Low	2 516.00	37.824
		Middle	2 583.00	37.724
		High	2 670.00	37.911
	256QAM	Low	2 516.00	37.781
		Middle	2 583.00	37.768
		High	2 670.00	37.752
Port 49	QPSK	Low	2 516.00	37.732
		Middle	2 583.00	37.814
		High	2 670.00	37.925
	16QAM	Low	2 516.00	37.743
		Middle	2 583.00	38.060
		High	2 670.00	37.716
	64QAM	Low	2 516.00	37.819
		Middle	2 583.00	37.814
		High	2 670.00	37.746
	256QAM	Low	2 516.00	37.754
		Middle	2 583.00	37.713
		High	2 670.00	37.830
Port 50	QPSK	Low	2 516.00	37.899
		Middle	2 583.00	37.914
		High	2 670.00	37.770
	16QAM	Low	2 516.00	37.827
		Middle	2 583.00	37.956
		High	2 670.00	37.816

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 516.00	37.745
		Middle	2 583.00	37.799
		High	2 670.00	37.910
	256QAM	Low	2 516.00	37.825
		Middle	2 583.00	37.773
		High	2 670.00	37.822
Port 51	QPSK	Low	2 516.00	37.845
		Middle	2 583.00	37.756
		High	2 670.00	37.852
	16QAM	Low	2 516.00	37.881
		Middle	2 583.00	37.922
		High	2 670.00	37.862
	64QAM	Low	2 516.00	37.886
		Middle	2 583.00	37.802
		High	2 670.00	37.748
	256QAM	Low	2 516.00	37.791
		Middle	2 583.00	37.814
		High	2 670.00	37.798
Port 52	QPSK	Low	2 516.00	37.829
		Middle	2 583.00	37.898
		High	2 670.00	37.816
	16QAM	Low	2 516.00	37.858
		Middle	2 583.00	37.950
		High	2 670.00	37.775
	64QAM	Low	2 516.00	37.735
		Middle	2 583.00	37.757
		High	2 670.00	37.851
	256QAM	Low	2 516.00	37.793
		Middle	2 583.00	37.853
		High	2 670.00	37.796
Port 53	QPSK	Low	2 516.00	37.791
		Middle	2 583.00	37.897

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 670.00	37.875
	16QAM	Low	2 516.00	37.869
		Middle	2 583.00	37.815
		High	2 670.00	37.896
	64QAM	Low	2 516.00	37.780
		Middle	2 583.00	37.819
		High	2 670.00	37.789
	256QAM	Low	2 516.00	37.746
		Middle	2 583.00	37.884
		High	2 670.00	37.822
Port 54	QPSK	Low	2 516.00	37.892
		Middle	2 583.00	37.893
		High	2 670.00	37.907
	16QAM	Low	2 516.00	37.927
		Middle	2 583.00	37.925
		High	2 670.00	37.869
	64QAM	Low	2 516.00	37.788
		Middle	2 583.00	37.689
		High	2 670.00	37.766
	256QAM	Low	2 516.00	37.854
		Middle	2 583.00	37.869
		High	2 670.00	37.805
Port 55	QPSK	Low	2 516.00	37.836
		Middle	2 583.00	37.864
		High	2 670.00	37.886
	16QAM	Low	2 516.00	37.897
		Middle	2 583.00	37.846
		High	2 670.00	37.839
	64QAM	Low	2 516.00	37.924
		Middle	2 583.00	37.833
		High	2 670.00	37.803
	256QAM	Low	2 516.00	37.790

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	37.788
		High	2 670.00	37.890
Port 56	QPSK	Low	2 516.00	37.846
		Middle	2 583.00	37.868
		High	2 670.00	37.910
	16QAM	Low	2 516.00	37.993
		Middle	2 583.00	37.808
		High	2 670.00	37.811
	64QAM	Low	2 516.00	37.808
		Middle	2 583.00	37.822
		High	2 670.00	37.819
	256QAM	Low	2 516.00	37.808
		Middle	2 583.00	37.879
		High	2 670.00	37.741
Port 57	QPSK	Low	2 516.00	37.815
		Middle	2 583.00	37.830
		High	2 670.00	37.818
	16QAM	Low	2 516.00	37.882
		Middle	2 583.00	37.829
		High	2 670.00	37.850
	64QAM	Low	2 516.00	37.836
		Middle	2 583.00	37.882
		High	2 670.00	37.851
	256QAM	Low	2 516.00	37.817
		Middle	2 583.00	37.914
		High	2 670.00	37.715
Port 58	QPSK	Low	2 516.00	37.777
		Middle	2 583.00	37.900
		High	2 670.00	37.756
	16QAM	Low	2 516.00	37.890
		Middle	2 583.00	37.815
		High	2 670.00	37.773

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 516.00	37.854
		Middle	2 583.00	37.774
		High	2 670.00	37.788
	256QAM	Low	2 516.00	37.842
		Middle	2 583.00	37.901
		High	2 670.00	37.777
Port 59	QPSK	Low	2 516.00	13.939
		Middle	2 583.00	37.954
		High	2 670.00	37.792
	16QAM	Low	2 516.00	37.834
		Middle	2 583.00	37.938
		High	2 670.00	37.975
	64QAM	Low	2 516.00	37.758
		Middle	2 583.00	37.831
		High	2 670.00	37.739
	256QAM	Low	2 516.00	37.810
		Middle	2 583.00	37.769
		High	2 670.00	37.761
Port 60	QPSK	Low	2 516.00	37.879
		Middle	2 583.00	37.887
		High	2 670.00	37.911
	16QAM	Low	2 516.00	37.826
		Middle	2 583.00	37.965
		High	2 670.00	37.870
	64QAM	Low	2 516.00	37.825
		Middle	2 583.00	37.814
		High	2 670.00	37.848
	256QAM	Low	2 516.00	37.811
		Middle	2 583.00	37.842
		High	2 670.00	37.837
Port 61	QPSK	Low	2 516.00	37.802
		Middle	2 583.00	37.810

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 670.00	37.820
	16QAM	Low	2 516.00	37.856
		Middle	2 583.00	37.891
		High	2 670.00	37.936
	64QAM	Low	2 516.00	37.750
		Middle	2 583.00	37.888
		High	2 670.00	37.871
	256QAM	Low	2 516.00	37.798
		Middle	2 583.00	37.876
		High	2 670.00	37.795
Port 62	QPSK	Low	2 516.00	37.846
		Middle	2 583.00	37.800
		High	2 670.00	37.842
	16QAM	Low	2 516.00	37.991
		Middle	2 583.00	37.959
		High	2 670.00	37.777
	64QAM	Low	2 516.00	37.817
		Middle	2 583.00	37.814
		High	2 670.00	37.800
	256QAM	Low	2 516.00	37.805
		Middle	2 583.00	37.864
		High	2 670.00	37.741
Port 63	QPSK	Low	2 516.00	37.858
		Middle	2 583.00	37.855
		High	2 670.00	37.813
	16QAM	Low	2 516.00	37.918
		Middle	2 583.00	37.836
		High	2 670.00	37.884
	64QAM	Low	2 516.00	37.809
		Middle	2 583.00	37.769
		High	2 670.00	37.846
	256QAM	Low	2 516.00	37.802

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	37.804
		High	2 670.00	37.818

* This test report only contains the worst case plot data for each port and modulation.

20 MHz + 15 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
Port 0	QPSK	Low	2 513.50	33.123
		Middle	2 583.00	33.260
		High	2 672.50	33.161
	16QAM	Low	2 513.50	33.092
		Middle	2 583.00	33.136
		High	2 672.50	33.100
	64QAM	Low	2 513.50	33.063
		Middle	2 583.00	33.112
		High	2 672.50	33.093
	256QAM	Low	2 513.50	33.136
		Middle	2 583.00	33.011
		High	2 672.50	33.070
Port 1	QPSK	Low	2 513.50	33.076
		Middle	2 583.00	33.069
		High	2 672.50	33.103
	16QAM	Low	2 513.50	33.072
		Middle	2 583.00	33.105
		High	2 672.50	33.181
	64QAM	Low	2 513.50	33.071
		Middle	2 583.00	33.032
		High	2 672.50	33.011
	256QAM	Low	2 513.50	33.092
		Middle	2 583.00	33.148
		High	2 672.50	33.100
Port 2	QPSK	Low	2 513.50	33.116
		Middle	2 583.00	33.179
		High	2 672.50	33.128
	16QAM	Low	2 513.50	33.229
		Middle	2 583.00	33.180
		High	2 672.50	33.169

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 513.50	33.072
		Middle	2 583.00	33.089
		High	2 672.50	32.990
	256QAM	Low	2 513.50	33.050
		Middle	2 583.00	33.052
		High	2 672.50	33.104
Port 3	QPSK	Low	2 513.50	33.151
		Middle	2 583.00	33.046
		High	2 672.50	33.132
	16QAM	Low	2 513.50	33.118
		Middle	2 583.00	33.061
		High	2 672.50	33.131
	64QAM	Low	2 513.50	33.012
		Middle	2 583.00	33.019
		High	2 672.50	33.014
	256QAM	Low	2 513.50	33.056
		Middle	2 583.00	33.083
		High	2 672.50	33.116
Port 4	QPSK	Low	2 513.50	33.146
		Middle	2 583.00	33.017
		High	2 672.50	33.137
	16QAM	Low	2 513.50	33.112
		Middle	2 583.00	33.200
		High	2 672.50	33.236
	64QAM	Low	2 513.50	33.044
		Middle	2 583.00	33.050
		High	2 672.50	33.018
	256QAM	Low	2 513.50	33.127
		Middle	2 583.00	33.049
		High	2 672.50	33.058
Port 5	QPSK	Low	2 513.50	33.213
		Middle	2 583.00	33.013

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 672.50	33.140
	16QAM	Low	2 513.50	33.158
		Middle	2 583.00	33.182
		High	2 672.50	33.058
	64QAM	Low	2 513.50	33.035
		Middle	2 583.00	33.073
		High	2 672.50	33.098
	256QAM	Low	2 513.50	33.035
		Middle	2 583.00	33.146
		High	2 672.50	33.030
Port 6	QPSK	Low	2 513.50	33.139
		Middle	2 583.00	33.060
		High	2 672.50	33.089
	16QAM	Low	2 513.50	33.098
		Middle	2 583.00	33.133
		High	2 672.50	33.216
	64QAM	Low	2 513.50	33.099
		Middle	2 583.00	33.057
		High	2 672.50	33.073
	256QAM	Low	2 513.50	33.042
		Middle	2 583.00	33.092
		High	2 672.50	33.040
Port 7	QPSK	Low	2 513.50	33.094
		Middle	2 583.00	33.192
		High	2 672.50	33.178
	16QAM	Low	2 513.50	33.179
		Middle	2 583.00	33.077
		High	2 672.50	33.027
	64QAM	Low	2 513.50	33.090
		Middle	2 583.00	32.996
		High	2 672.50	33.023
	256QAM	Low	2 513.50	33.063

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	33.099
		High	2 672.50	33.059
Port 8	QPSK	Low	2 513.50	33.156
		Middle	2 583.00	33.032
		High	2 672.50	33.096
	16QAM	Low	2 513.50	33.232
		Middle	2 583.00	33.127
		High	2 672.50	33.126
	64QAM	Low	2 513.50	33.088
		Middle	2 583.00	33.058
		High	2 672.50	33.067
	256QAM	Low	2 513.50	33.115
		Middle	2 583.00	33.107
		High	2 672.50	33.070
Port 9	QPSK	Low	2 513.50	33.128
		Middle	2 583.00	33.145
		High	2 672.50	33.119
	16QAM	Low	2 513.50	33.138
		Middle	2 583.00	33.071
		High	2 672.50	33.100
	64QAM	Low	2 513.50	33.099
		Middle	2 583.00	33.007
		High	2 672.50	33.029
	256QAM	Low	2 513.50	33.126
		Middle	2 583.00	33.054
		High	2 672.50	33.055
Port 10	QPSK	Low	2 513.50	33.042
		Middle	2 583.00	33.200
		High	2 672.50	33.288
	16QAM	Low	2 513.50	33.196
		Middle	2 583.00	33.107
		High	2 672.50	33.199

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 513.50	33.055
		Middle	2 583.00	33.053
		High	2 672.50	33.059
	256QAM	Low	2 513.50	33.066
		Middle	2 583.00	33.116
		High	2 672.50	33.103
Port 11	QPSK	Low	2 513.50	33.117
		Middle	2 583.00	33.138
		High	2 672.50	32.986
	16QAM	Low	2 513.50	33.099
		Middle	2 583.00	33.146
		High	2 672.50	33.142
	64QAM	Low	2 513.50	33.048
		Middle	2 583.00	33.066
		High	2 672.50	33.031
	256QAM	Low	2 513.50	33.091
		Middle	2 583.00	33.089
		High	2 672.50	33.084
Port 12	QPSK	Low	2 513.50	33.103
		Middle	2 583.00	33.138
		High	2 672.50	33.130
	16QAM	Low	2 513.50	33.175
		Middle	2 583.00	33.095
		High	2 672.50	33.297
	64QAM	Low	2 513.50	33.077
		Middle	2 583.00	33.132
		High	2 672.50	33.024
	256QAM	Low	2 513.50	33.021
		Middle	2 583.00	33.053
		High	2 672.50	33.132
Port 13	QPSK	Low	2 513.50	33.080
		Middle	2 583.00	33.213

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 672.50	33.036
	16QAM	Low	2 513.50	33.084
		Middle	2 583.00	33.121
		High	2 672.50	33.135
	64QAM	Low	2 513.50	33.052
		Middle	2 583.00	33.107
		High	2 672.50	33.017
	256QAM	Low	2 513.50	33.081
		Middle	2 583.00	33.084
		High	2 672.50	33.058
Port 14	QPSK	Low	2 513.50	33.190
		Middle	2 583.00	33.121
		High	2 672.50	33.181
	16QAM	Low	2 513.50	33.198
		Middle	2 583.00	33.048
		High	2 672.50	33.163
	64QAM	Low	2 513.50	33.089
		Middle	2 583.00	33.106
		High	2 672.50	33.080
	256QAM	Low	2 513.50	33.063
		Middle	2 583.00	33.101
		High	2 672.50	33.062
Port 15	QPSK	Low	2 513.50	33.097
		Middle	2 583.00	33.165
		High	2 672.50	33.210
	16QAM	Low	2 513.50	33.175
		Middle	2 583.00	33.245
		High	2 672.50	33.302
	64QAM	Low	2 513.50	33.120
		Middle	2 583.00	33.098
		High	2 672.50	33.047
	256QAM	Low	2 513.50	33.070

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	33.149
		High	2 672.50	33.072
Port 16	QPSK	Low	2 513.50	33.079
		Middle	2 583.00	33.115
		High	2 672.50	33.203
	16QAM	Low	2 513.50	33.053
		Middle	2 583.00	33.120
		High	2 672.50	33.047
	64QAM	Low	2 513.50	33.060
		Middle	2 583.00	33.135
		High	2 672.50	33.096
	256QAM	Low	2 513.50	33.037
		Middle	2 583.00	33.097
		High	2 672.50	33.096
Port 17	QPSK	Low	2 513.50	33.143
		Middle	2 583.00	33.108
		High	2 672.50	33.059
	16QAM	Low	2 513.50	33.270
		Middle	2 583.00	33.268
		High	2 672.50	33.131
	64QAM	Low	2 513.50	33.076
		Middle	2 583.00	33.089
		High	2 672.50	33.030
	256QAM	Low	2 513.50	33.092
		Middle	2 583.00	33.091
		High	2 672.50	33.037
Port 18	QPSK	Low	2 513.50	33.126
		Middle	2 583.00	33.071
		High	2 672.50	33.083
	16QAM	Low	2 513.50	33.055
		Middle	2 583.00	33.150
		High	2 672.50	33.264

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 513.50	33.072
		Middle	2 583.00	33.050
		High	2 672.50	33.037
	256QAM	Low	2 513.50	33.066
		Middle	2 583.00	33.070
		High	2 672.50	33.103
Port 19	QPSK	Low	2 513.50	33.059
		Middle	2 583.00	33.136
		High	2 672.50	33.151
	16QAM	Low	2 513.50	33.164
		Middle	2 583.00	33.119
		High	2 672.50	33.081
	64QAM	Low	2 513.50	33.102
		Middle	2 583.00	33.091
		High	2 672.50	33.077
	256QAM	Low	2 513.50	33.075
		Middle	2 583.00	33.049
		High	2 672.50	33.042
Port 20	QPSK	Low	2 513.50	33.186
		Middle	2 583.00	33.071
		High	2 672.50	32.960
	16QAM	Low	2 513.50	33.076
		Middle	2 583.00	33.287
		High	2 672.50	33.131
	64QAM	Low	2 513.50	33.014
		Middle	2 583.00	33.031
		High	2 672.50	33.038
	256QAM	Low	2 513.50	33.026
		Middle	2 583.00	33.079
		High	2 672.50	33.128
Port 21	QPSK	Low	2 513.50	33.048
		Middle	2 583.00	33.216

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 672.50	33.039
	16QAM	Low	2 513.50	33.127
		Middle	2 583.00	33.126
		High	2 672.50	33.129
	64QAM	Low	2 513.50	33.093
		Middle	2 583.00	33.084
		High	2 672.50	33.059
	256QAM	Low	2 513.50	33.036
		Middle	2 583.00	33.034
		High	2 672.50	32.987
Port 22	QPSK	Low	2 513.50	33.143
		Middle	2 583.00	33.144
		High	2 672.50	33.013
	16QAM	Low	2 513.50	33.131
		Middle	2 583.00	33.130
		High	2 672.50	33.069
	64QAM	Low	2 513.50	33.057
		Middle	2 583.00	33.071
		High	2 672.50	33.037
	256QAM	Low	2 513.50	33.096
		Middle	2 583.00	33.098
		High	2 672.50	33.106
Port 23	QPSK	Low	2 513.50	33.115
		Middle	2 583.00	33.229
		High	2 672.50	33.179
	16QAM	Low	2 513.50	33.178
		Middle	2 583.00	33.179
		High	2 672.50	33.134
	64QAM	Low	2 513.50	33.025
		Middle	2 583.00	33.071
		High	2 672.50	33.017
	256QAM	Low	2 513.50	33.135

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	33.101
		High	2 672.50	33.073
Port 24	QPSK	Low	2 513.50	33.089
		Middle	2 583.00	33.200
		High	2 672.50	33.047
	16QAM	Low	2 513.50	33.119
		Middle	2 583.00	33.123
		High	2 672.50	33.210
	64QAM	Low	2 513.50	33.105
		Middle	2 583.00	33.036
		High	2 672.50	33.073
	256QAM	Low	2 513.50	33.063
		Middle	2 583.00	33.114
		High	2 672.50	33.005
Port 25	QPSK	Low	2 513.50	33.067
		Middle	2 583.00	33.157
		High	2 672.50	33.113
	16QAM	Low	2 513.50	33.228
		Middle	2 583.00	33.080
		High	2 672.50	33.264
	64QAM	Low	2 513.50	33.105
		Middle	2 583.00	33.085
		High	2 672.50	32.980
	256QAM	Low	2 513.50	33.085
		Middle	2 583.00	33.094
		High	2 672.50	33.065
Port 26	QPSK	Low	2 513.50	33.153
		Middle	2 583.00	33.159
		High	2 672.50	33.198
	16QAM	Low	2 513.50	33.148
		Middle	2 583.00	33.122
		High	2 672.50	33.192

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 513.50	33.044
		Middle	2 583.00	33.040
		High	2 672.50	33.069
	256QAM	Low	2 513.50	33.110
		Middle	2 583.00	33.098
		High	2 672.50	33.078
Port 27	QPSK	Low	2 513.50	33.118
		Middle	2 583.00	33.150
		High	2 672.50	33.075
	16QAM	Low	2 513.50	33.217
		Middle	2 583.00	33.164
		High	2 672.50	33.203
	64QAM	Low	2 513.50	33.124
		Middle	2 583.00	33.096
		High	2 672.50	33.105
	256QAM	Low	2 513.50	33.084
		Middle	2 583.00	33.162
		High	2 672.50	33.009
Port 28	QPSK	Low	2 513.50	33.043
		Middle	2 583.00	33.148
		High	2 672.50	33.132
	16QAM	Low	2 513.50	33.211
		Middle	2 583.00	33.209
		High	2 672.50	33.065
	64QAM	Low	2 513.50	33.090
		Middle	2 583.00	32.968
		High	2 672.50	33.030
	256QAM	Low	2 513.50	33.037
		Middle	2 583.00	33.107
		High	2 672.50	33.051
Port 29	QPSK	Low	2 513.50	33.176
		Middle	2 583.00	33.160

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 672.50	33.143
	16QAM	Low	2 513.50	33.194
		Middle	2 583.00	33.154
		High	2 672.50	33.246
	64QAM	Low	2 513.50	33.036
		Middle	2 583.00	33.049
		High	2 672.50	33.090
	256QAM	Low	2 513.50	33.139
		Middle	2 583.00	33.106
		High	2 672.50	33.018
Port 30	QPSK	Low	2 513.50	33.209
		Middle	2 583.00	33.231
		High	2 672.50	33.106
	16QAM	Low	2 513.50	33.166
		Middle	2 583.00	33.189
		High	2 672.50	33.151
	64QAM	Low	2 513.50	33.114
		Middle	2 583.00	33.044
		High	2 672.50	33.086
	256QAM	Low	2 513.50	33.111
		Middle	2 583.00	33.115
		High	2 672.50	33.084
Port 31	QPSK	Low	2 513.50	33.080
		Middle	2 583.00	33.202
		High	2 672.50	33.095
	16QAM	Low	2 513.50	33.185
		Middle	2 583.00	33.094
		High	2 672.50	33.160
	64QAM	Low	2 513.50	33.130
		Middle	2 583.00	33.075
		High	2 672.50	33.068
	256QAM	Low	2 513.50	33.116

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	33.125
		High	2 672.50	33.084
Port 32	QPSK	Low	2 513.50	33.180
		Middle	2 583.00	33.119
		High	2 672.50	33.153
	16QAM	Low	2 513.50	33.115
		Middle	2 583.00	33.168
		High	2 672.50	33.122
	64QAM	Low	2 513.50	33.074
		Middle	2 583.00	33.104
		High	2 672.50	33.077
	256QAM	Low	2 513.50	33.062
		Middle	2 583.00	33.069
		High	2 672.50	33.064
Port 33	QPSK	Low	2 513.50	33.266
		Middle	2 583.00	33.100
		High	2 672.50	33.096
	16QAM	Low	2 513.50	33.137
		Middle	2 583.00	33.094
		High	2 672.50	33.190
	64QAM	Low	2 513.50	33.068
		Middle	2 583.00	33.129
		High	2 672.50	32.966
	256QAM	Low	2 513.50	33.033
		Middle	2 583.00	33.078
		High	2 672.50	33.041
Port 34	QPSK	Low	2 513.50	33.022
		Middle	2 583.00	33.156
		High	2 672.50	33.146
	16QAM	Low	2 513.50	33.116
		Middle	2 583.00	33.176
		High	2 672.50	33.119

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 513.50	33.085
		Middle	2 583.00	33.105
		High	2 672.50	33.091
	256QAM	Low	2 513.50	33.082
		Middle	2 583.00	33.998
		High	2 672.50	33.082
Port 35	QPSK	Low	2 513.50	33.135
		Middle	2 583.00	33.077
		High	2 672.50	33.153
	16QAM	Low	2 513.50	33.217
		Middle	2 583.00	33.189
		High	2 672.50	33.162
	64QAM	Low	2 513.50	33.095
		Middle	2 583.00	33.148
		High	2 672.50	33.029
	256QAM	Low	2 513.50	33.100
		Middle	2 583.00	33.103
		High	2 672.50	33.106
Port 36	QPSK	Low	2 513.50	33.115
		Middle	2 583.00	32.986
		High	2 672.50	33.079
	16QAM	Low	2 513.50	33.098
		Middle	2 583.00	33.222
		High	2 672.50	33.181
	64QAM	Low	2 513.50	33.045
		Middle	2 583.00	33.068
		High	2 672.50	33.081
	256QAM	Low	2 513.50	33.073
		Middle	2 583.00	33.053
		High	2 672.50	33.115
Port 37	QPSK	Low	2 513.50	33.051
		Middle	2 583.00	33.214

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 672.50	33.090
	16QAM	Low	2 513.50	33.145
		Middle	2 583.00	33.203
		High	2 672.50	33.151
	64QAM	Low	2 513.50	33.007
		Middle	2 583.00	33.089
		High	2 672.50	33.009
	256QAM	Low	2 513.50	33.087
		Middle	2 583.00	33.089
		High	2 672.50	33.085
Port 38	QPSK	Low	2 513.50	33.250
		Middle	2 583.00	33.186
		High	2 672.50	33.174
	16QAM	Low	2 513.50	33.149
		Middle	2 583.00	33.131
		High	2 672.50	33.195
	64QAM	Low	2 513.50	33.100
		Middle	2 583.00	33.044
		High	2 672.50	33.041
	256QAM	Low	2 513.50	33.104
		Middle	2 583.00	33.097
		High	2 672.50	33.059
Port 39	QPSK	Low	2 513.50	33.116
		Middle	2 583.00	33.128
		High	2 672.50	33.192
	16QAM	Low	2 513.50	33.106
		Middle	2 583.00	33.140
		High	2 672.50	33.064
	64QAM	Low	2 513.50	33.043
		Middle	2 583.00	33.070
		High	2 672.50	33.106
	256QAM	Low	2 513.50	33.091

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	33.055
		High	2 672.50	33.047
Port 40	QPSK	Low	2 513.50	33.216
		Middle	2 583.00	33.157
		High	2 672.50	33.013
	16QAM	Low	2 513.50	33.151
		Middle	2 583.00	33.091
		High	2 672.50	33.032
	64QAM	Low	2 513.50	33.117
		Middle	2 583.00	33.050
		High	2 672.50	33.036
	256QAM	Low	2 513.50	33.062
		Middle	2 583.00	33.047
		High	2 672.50	33.055
Port 41	QPSK	Low	2 513.50	33.109
		Middle	2 583.00	33.114
		High	2 672.50	33.164
	16QAM	Low	2 513.50	33.219
		Middle	2 583.00	33.192
		High	2 672.50	33.203
	64QAM	Low	2 513.50	33.133
		Middle	2 583.00	33.094
		High	2 672.50	33.091
	256QAM	Low	2 513.50	33.072
		Middle	2 583.00	33.072
		High	2 672.50	33.079
Port 42	QPSK	Low	2 513.50	33.158
		Middle	2 583.00	33.129
		High	2 672.50	33.114
	16QAM	Low	2 513.50	33.158
		Middle	2 583.00	33.224
		High	2 672.50	33.118

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 513.50	33.074
		Middle	2 583.00	33.013
		High	2 672.50	33.091
	256QAM	Low	2 513.50	33.084
		Middle	2 583.00	33.094
		High	2 672.50	33.053
Port 43	QPSK	Low	2 513.50	33.076
		Middle	2 583.00	33.163
		High	2 672.50	33.060
	16QAM	Low	2 513.50	33.120
		Middle	2 583.00	33.125
		High	2 672.50	33.151
	64QAM	Low	2 513.50	33.067
		Middle	2 583.00	33.008
		High	2 672.50	33.098
	256QAM	Low	2 513.50	33.192
		Middle	2 583.00	33.065
		High	2 672.50	33.053
Port 44	QPSK	Low	2 513.50	33.181
		Middle	2 583.00	33.252
		High	2 672.50	33.101
	16QAM	Low	2 513.50	33.195
		Middle	2 583.00	33.246
		High	2 672.50	33.167
	64QAM	Low	2 513.50	33.057
		Middle	2 583.00	33.134
		High	2 672.50	33.082
	256QAM	Low	2 513.50	33.080
		Middle	2 583.00	33.014
		High	2 672.50	33.081
Port 45	QPSK	Low	2 513.50	33.171
		Middle	2 583.00	33.368

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 672.50	33.100
	16QAM	Low	2 513.50	33.186
		Middle	2 583.00	33.179
		High	2 672.50	33.171
	64QAM	Low	2 513.50	33.131
		Middle	2 583.00	33.146
		High	2 672.50	33.108
	256QAM	Low	2 513.50	33.129
		Middle	2 583.00	33.045
		High	2 672.50	33.059
Port 46	QPSK	Low	2 513.50	33.123
		Middle	2 583.00	33.063
		High	2 672.50	33.141
	16QAM	Low	2 513.50	33.135
		Middle	2 583.00	33.076
		High	2 672.50	33.193
	64QAM	Low	2 513.50	33.012
		Middle	2 583.00	33.048
		High	2 672.50	33.063
	256QAM	Low	2 513.50	33.086
		Middle	2 583.00	33.037
		High	2 672.50	33.090
Port 47	QPSK	Low	2 513.50	33.048
		Middle	2 583.00	33.168
		High	2 672.50	33.030
	16QAM	Low	2 513.50	33.174
		Middle	2 583.00	33.251
		High	2 672.50	33.062
	64QAM	Low	2 513.50	33.098
		Middle	2 583.00	33.077
		High	2 672.50	33.114
	256QAM	Low	2 513.50	33.019

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	33.044
		High	2 672.50	33.098
Port 48	QPSK	Low	2 513.50	33.056
		Middle	2 583.00	33.226
		High	2 672.50	33.154
	16QAM	Low	2 513.50	33.297
		Middle	2 583.00	33.210
		High	2 672.50	33.252
	64QAM	Low	2 513.50	33.067
		Middle	2 583.00	33.089
		High	2 672.50	33.037
	256QAM	Low	2 513.50	33.149
		Middle	2 583.00	33.023
		High	2 672.50	33.057
Port 49	QPSK	Low	2 513.50	33.143
		Middle	2 583.00	33.192
		High	2 672.50	33.051
	16QAM	Low	2 513.50	33.144
		Middle	2 583.00	33.202
		High	2 672.50	33.110
	64QAM	Low	2 513.50	33.030
		Middle	2 583.00	33.075
		High	2 672.50	33.041
	256QAM	Low	2 513.50	33.083
		Middle	2 583.00	33.198
		High	2 672.50	33.091
Port 50	QPSK	Low	2 513.50	33.058
		Middle	2 583.00	33.179
		High	2 672.50	33.059
	16QAM	Low	2 513.50	33.133
		Middle	2 583.00	33.232
		High	2 672.50	33.242

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 513.50	33.030
		Middle	2 583.00	33.040
		High	2 672.50	33.085
	256QAM	Low	2 513.50	33.088
		Middle	2 583.00	33.086
		High	2 672.50	33.116
Port 51	QPSK	Low	2 513.50	33.129
		Middle	2 583.00	33.129
		High	2 672.50	33.162
	16QAM	Low	2 513.50	33.314
		Middle	2 583.00	33.105
		High	2 672.50	33.179
	64QAM	Low	2 513.50	33.019
		Middle	2 583.00	33.105
		High	2 672.50	33.080
	256QAM	Low	2 513.50	33.137
		Middle	2 583.00	33.145
		High	2 672.50	33.118
Port 52	QPSK	Low	2 513.50	33.136
		Middle	2 583.00	33.126
		High	2 672.50	33.119
	16QAM	Low	2 513.50	33.135
		Middle	2 583.00	33.209
		High	2 672.50	33.274
	64QAM	Low	2 513.50	33.074
		Middle	2 583.00	33.052
		High	2 672.50	33.064
	256QAM	Low	2 513.50	33.104
		Middle	2 583.00	33.072
		High	2 672.50	33.090
Port 53	QPSK	Low	2 513.50	33.036
		Middle	2 583.00	33.103

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 672.50	33.084
	16QAM	Low	2 513.50	33.184
		Middle	2 583.00	33.156
		High	2 672.50	33.051
	64QAM	Low	2 513.50	33.052
		Middle	2 583.00	33.088
		High	2 672.50	33.062
	256QAM	Low	2 513.50	33.089
		Middle	2 583.00	33.075
		High	2 672.50	33.007
Port 54	QPSK	Low	2 513.50	33.099
		Middle	2 583.00	33.135
		High	2 672.50	33.167
	16QAM	Low	2 513.50	33.231
		Middle	2 583.00	33.140
		High	2 672.50	33.095
	64QAM	Low	2 513.50	33.144
		Middle	2 583.00	33.030
		High	2 672.50	33.054
	256QAM	Low	2 513.50	33.048
		Middle	2 583.00	33.158
		High	2 672.50	33.075
Port 55	QPSK	Low	2 513.50	33.187
		Middle	2 583.00	33.111
		High	2 672.50	33.130
	16QAM	Low	2 513.50	33.062
		Middle	2 583.00	33.164
		High	2 672.50	33.175
	64QAM	Low	2 513.50	33.042
		Middle	2 583.00	33.025
		High	2 672.50	33.075
	256QAM	Low	2 513.50	33.043

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	33.104
		High	2 672.50	33.085
Port 56	QPSK	Low	2 513.50	33.084
		Middle	2 583.00	33.071
		High	2 672.50	33.180
	16QAM	Low	2 513.50	33.163
		Middle	2 583.00	33.043
		High	2 672.50	33.135
	64QAM	Low	2 513.50	33.033
		Middle	2 583.00	33.110
		High	2 672.50	33.062
	256QAM	Low	2 513.50	33.070
		Middle	2 583.00	33.065
		High	2 672.50	33.071
Port 57	QPSK	Low	2 513.50	33.147
		Middle	2 583.00	33.107
		High	2 672.50	33.181
	16QAM	Low	2 513.50	33.064
		Middle	2 583.00	33.115
		High	2 672.50	33.104
	64QAM	Low	2 513.50	33.055
		Middle	2 583.00	33.082
		High	2 672.50	33.079
	256QAM	Low	2 513.50	33.086
		Middle	2 583.00	33.056
		High	2 672.50	33.056
Port 58	QPSK	Low	2 513.50	33.118
		Middle	2 583.00	33.120
		High	2 672.50	33.084
	16QAM	Low	2 513.50	33.124
		Middle	2 583.00	33.080
		High	2 672.50	33.140

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 513.50	33.085
		Middle	2 583.00	32.982
		High	2 672.50	33.025
	256QAM	Low	2 513.50	33.077
		Middle	2 583.00	33.074
		High	2 672.50	33.084
Port 59	QPSK	Low	2 513.50	33.073
		Middle	2 583.00	33.250
		High	2 672.50	33.038
	16QAM	Low	2 513.50	33.298
		Middle	2 583.00	33.150
		High	2 672.50	33.076
	64QAM	Low	2 513.50	33.072
		Middle	2 583.00	33.079
		High	2 672.50	33.090
	256QAM	Low	2 513.50	33.091
		Middle	2 583.00	33.144
		High	2 672.50	33.042
Port 60	QPSK	Low	2 513.50	33.185
		Middle	2 583.00	33.199
		High	2 672.50	33.082
	16QAM	Low	2 513.50	33.195
		Middle	2 583.00	33.072
		High	2 672.50	33.072
	64QAM	Low	2 513.50	33.053
		Middle	2 583.00	33.088
		High	2 672.50	33.098
	256QAM	Low	2 513.50	33.088
		Middle	2 583.00	33.058
		High	2 672.50	33.166
Port 61	QPSK	Low	2 513.50	33.182
		Middle	2 583.00	33.238

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 672.50	33.074
	16QAM	Low	2 513.50	33.192
		Middle	2 583.00	33.020
		High	2 672.50	33.233
	64QAM	Low	2 513.50	33.074
		Middle	2 583.00	33.066
		High	2 672.50	33.051
	256QAM	Low	2 513.50	33.034
		Middle	2 583.00	33.079
		High	2 672.50	33.038
Port 62	QPSK	Low	2 513.50	33.102
		Middle	2 583.00	33.122
		High	2 672.50	33.133
	16QAM	Low	2 513.50	33.178
		Middle	2 583.00	33.149
		High	2 672.50	33.100
	64QAM	Low	2 513.50	33.093
		Middle	2 583.00	33.098
		High	2 672.50	33.024
	256QAM	Low	2 513.50	33.064
		Middle	2 583.00	33.094
		High	2 672.50	33.093
Port 63	QPSK	Low	2 513.50	33.148
		Middle	2 583.00	33.114
		High	2 672.50	33.230
	16QAM	Low	2 513.50	33.176
		Middle	2 583.00	33.133
		High	2 672.50	33.266
	64QAM	Low	2 513.50	33.031
		Middle	2 583.00	33.078
		High	2 672.50	33.046
	256QAM	Low	2 513.50	33.083

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 583.00	33.059
		High	2 672.50	33.062

* This test report only contains the worst case plot data for each port and modulation.

20 MHz + 20 MHz + 20 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
Port 0	QPSK	Low	2 526.00	57.612
		Middle	2 593.00	57.783
		High	2 660.00	57.620
	16QAM	Low	2 526.00	57.678
		Middle	2 593.00	57.620
		High	2 660.00	57.849
	64QAM	Low	2 526.00	57.575
		Middle	2 593.00	57.733
		High	2 660.00	57.671
	256QAM	Low	2 526.00	57.610
		Middle	2 593.00	57.651
		High	2 660.00	57.560
Port 1	QPSK	Low	2 526.00	57.814
		Middle	2 593.00	57.708
		High	2 660.00	57.711
	16QAM	Low	2 526.00	57.621
		Middle	2 593.00	57.733
		High	2 660.00	57.601
	64QAM	Low	2 526.00	57.619
		Middle	2 593.00	57.740
		High	2 660.00	57.612
	256QAM	Low	2 526.00	57.658
		Middle	2 593.00	57.605
		High	2 660.00	57.578
Port 2	QPSK	Low	2 526.00	57.777
		Middle	2 593.00	57.722
		High	2 660.00	57.645
	16QAM	Low	2 526.00	57.852
		Middle	2 593.00	57.794
		High	2 660.00	57.554

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 526.00	57.643
		Middle	2 593.00	57.669
		High	2 660.00	57.617
	256QAM	Low	2 526.00	57.633
		Middle	2 593.00	57.731
		High	2 660.00	57.782
Port 3	QPSK	Low	2 526.00	57.673
		Middle	2 593.00	57.669
		High	2 660.00	57.684
	16QAM	Low	2 526.00	57.717
		Middle	2 593.00	57.829
		High	2 660.00	57.654
	64QAM	Low	2 526.00	57.609
		Middle	2 593.00	57.672
		High	2 660.00	57.640
	256QAM	Low	2 526.00	57.530
		Middle	2 593.00	57.690
		High	2 660.00	57.627
Port 4	QPSK	Low	2 526.00	57.652
		Middle	2 593.00	57.721
		High	2 660.00	57.743
	16QAM	Low	2 526.00	57.713
		Middle	2 593.00	57.819
		High	2 660.00	57.603
	64QAM	Low	2 526.00	57.712
		Middle	2 593.00	57.611
		High	2 660.00	57.710
	256QAM	Low	2 526.00	57.738
		Middle	2 593.00	57.605
		High	2 660.00	57.621
Port 5	QPSK	Low	2 526.00	57.635
		Middle	2 593.00	57.725

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 660.00	57.621
	16QAM	Low	2 526.00	57.838
		Middle	2 593.00	57.782
		High	2 660.00	57.599
	64QAM	Low	2 526.00	57.659
		Middle	2 593.00	57.624
		High	2 660.00	57.592
	256QAM	Low	2 526.00	57.635
		Middle	2 593.00	57.667
		High	2 660.00	57.518
Port 6	QPSK	Low	2 526.00	57.707
		Middle	2 593.00	57.595
		High	2 660.00	57.523
	16QAM	Low	2 526.00	57.678
		Middle	2 593.00	57.723
		High	2 660.00	57.703
	64QAM	Low	2 526.00	57.633
		Middle	2 593.00	57.707
		High	2 660.00	57.672
	256QAM	Low	2 526.00	57.669
		Middle	2 593.00	57.611
		High	2 660.00	57.580
Port 7	QPSK	Low	2 526.00	57.615
		Middle	2 593.00	57.694
		High	2 660.00	57.693
	16QAM	Low	2 526.00	57.728
		Middle	2 593.00	57.904
		High	2 660.00	57.823
	64QAM	Low	2 526.00	57.770
		Middle	2 593.00	57.686
		High	2 660.00	57.707
	256QAM	Low	2 526.00	57.724

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	57.666
		High	2 660.00	57.668
Port 8	QPSK	Low	2 526.00	57.584
		Middle	2 593.00	57.555
		High	2 660.00	57.683
	16QAM	Low	2 526.00	57.763
		Middle	2 593.00	57.711
		High	2 660.00	57.695
	64QAM	Low	2 526.00	57.651
		Middle	2 593.00	57.604
		High	2 660.00	57.590
	256QAM	Low	2 526.00	57.665
		Middle	2 593.00	57.642
		High	2 660.00	57.588
Port 9	QPSK	Low	2 526.00	57.729
		Middle	2 593.00	57.815
		High	2 660.00	57.697
	16QAM	Low	2 526.00	57.647
		Middle	2 593.00	57.779
		High	2 660.00	57.819
	64QAM	Low	2 526.00	57.703
		Middle	2 593.00	57.586
		High	2 660.00	57.704
	256QAM	Low	2 526.00	57.731
		Middle	2 593.00	57.703
		High	2 660.00	57.634
Port 10	QPSK	Low	2 526.00	57.679
		Middle	2 593.00	57.641
		High	2 660.00	57.702
	16QAM	Low	2 526.00	57.817
		Middle	2 593.00	57.810
		High	2 660.00	57.835

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 526.00	57.796
		Middle	2 593.00	57.698
		High	2 660.00	57.702
	256QAM	Low	2 526.00	57.638
		Middle	2 593.00	57.738
		High	2 660.00	57.637
Port 11	QPSK	Low	2 526.00	57.725
		Middle	2 593.00	57.778
		High	2 660.00	57.602
	16QAM	Low	2 526.00	57.707
		Middle	2 593.00	57.679
		High	2 660.00	57.576
	64QAM	Low	2 526.00	57.666
		Middle	2 593.00	57.680
		High	2 660.00	57.641
	256QAM	Low	2 526.00	57.542
		Middle	2 593.00	57.571
		High	2 660.00	57.704
Port 12	QPSK	Low	2 526.00	57.583
		Middle	2 593.00	57.668
		High	2 660.00	57.731
	16QAM	Low	2 526.00	57.729
		Middle	2 593.00	57.804
		High	2 660.00	57.718
	64QAM	Low	2 526.00	57.652
		Middle	2 593.00	57.644
		High	2 660.00	57.718
	256QAM	Low	2 526.00	57.610
		Middle	2 593.00	57.662
		High	2 660.00	57.682
Port 13	QPSK	Low	2 526.00	57.677
		Middle	2 593.00	57.647

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 660.00	57.488
	16QAM	Low	2 526.00	57.749
		Middle	2 593.00	57.699
		High	2 660.00	57.806
	64QAM	Low	2 526.00	57.643
		Middle	2 593.00	57.685
		High	2 660.00	57.708
	256QAM	Low	2 526.00	57.613
		Middle	2 593.00	57.632
		High	2 660.00	57.659
Port 14	QPSK	Low	2 526.00	57.714
		Middle	2 593.00	57.711
		High	2 660.00	57.571
	16QAM	Low	2 526.00	57.794
		Middle	2 593.00	57.738
		High	2 660.00	57.749
	64QAM	Low	2 526.00	57.621
		Middle	2 593.00	57.600
		High	2 660.00	57.620
	256QAM	Low	2 526.00	57.639
		Middle	2 593.00	57.737
		High	2 660.00	57.590
Port 15	QPSK	Low	2 526.00	57.662
		Middle	2 593.00	57.683
		High	2 660.00	57.667
	16QAM	Low	2 526.00	57.644
		Middle	2 593.00	57.796
		High	2 660.00	57.757
	64QAM	Low	2 526.00	57.707
		Middle	2 593.00	57.798
		High	2 660.00	57.667
	256QAM	Low	2 526.00	57.723

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	57.714
		High	2 660.00	57.696
Port 16	QPSK	Low	2 526.00	57.835
		Middle	2 593.00	57.771
		High	2 660.00	57.609
	16QAM	Low	2 526.00	57.849
		Middle	2 593.00	57.664
		High	2 660.00	57.755
	64QAM	Low	2 526.00	57.793
		Middle	2 593.00	57.548
		High	2 660.00	57.585
	256QAM	Low	2 526.00	57.732
		Middle	2 593.00	57.723
		High	2 660.00	57.596
Port 17	QPSK	Low	2 526.00	57.644
		Middle	2 593.00	57.772
		High	2 660.00	57.670
	16QAM	Low	2 526.00	57.672
		Middle	2 593.00	57.890
		High	2 660.00	57.854
	64QAM	Low	2 526.00	57.695
		Middle	2 593.00	57.596
		High	2 660.00	57.708
	256QAM	Low	2 526.00	57.776
		Middle	2 593.00	57.617
		High	2 660.00	57.603
Port 18	QPSK	Low	2 526.00	57.680
		Middle	2 593.00	57.661
		High	2 660.00	57.827
	16QAM	Low	2 526.00	57.733
		Middle	2 593.00	57.824
		High	2 660.00	57.814

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 526.00	57.642
		Middle	2 593.00	57.592
		High	2 660.00	57.775
	256QAM	Low	2 526.00	57.729
		Middle	2 593.00	57.767
		High	2 660.00	57.661
Port 19	QPSK	Low	2 526.00	57.670
		Middle	2 593.00	57.572
		High	2 660.00	57.690
	16QAM	Low	2 526.00	57.687
		Middle	2 593.00	57.680
		High	2 660.00	57.800
	64QAM	Low	2 526.00	57.669
		Middle	2 593.00	57.713
		High	2 660.00	57.575
	256QAM	Low	2 526.00	57.688
		Middle	2 593.00	57.684
		High	2 660.00	57.632
Port 20	QPSK	Low	2 526.00	57.690
		Middle	2 593.00	57.740
		High	2 660.00	57.519
	16QAM	Low	2 526.00	57.572
		Middle	2 593.00	57.699
		High	2 660.00	57.746
	64QAM	Low	2 526.00	57.695
		Middle	2 593.00	57.785
		High	2 660.00	57.590
	256QAM	Low	2 526.00	57.707
		Middle	2 593.00	57.625
		High	2 660.00	57.592
Port 21	QPSK	Low	2 526.00	57.656
		Middle	2 593.00	57.677

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 660.00	57.649
	16QAM	Low	2 526.00	57.757
		Middle	2 593.00	57.690
		High	2 660.00	57.746
	64QAM	Low	2 526.00	57.672
		Middle	2 593.00	57.640
		High	2 660.00	57.696
	256QAM	Low	2 526.00	57.627
		Middle	2 593.00	57.717
		High	2 660.00	57.589
Port 22	QPSK	Low	2 526.00	57.533
		Middle	2 593.00	57.693
		High	2 660.00	57.641
	16QAM	Low	2 526.00	57.809
		Middle	2 593.00	57.877
		High	2 660.00	57.672
	64QAM	Low	2 526.00	57.573
		Middle	2 593.00	57.621
		High	2 660.00	57.650
	256QAM	Low	2 526.00	57.632
		Middle	2 593.00	57.594
		High	2 660.00	57.683
Port 23	QPSK	Low	2 526.00	57.520
		Middle	2 593.00	57.818
		High	2 660.00	57.592
	16QAM	Low	2 526.00	57.788
		Middle	2 593.00	57.871
		High	2 660.00	57.721
	64QAM	Low	2 526.00	57.643
		Middle	2 593.00	57.662
		High	2 660.00	57.616
	256QAM	Low	2 526.00	57.629

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	57.670
		High	2 660.00	57.642
Port 24	QPSK	Low	2 526.00	57.573
		Middle	2 593.00	57.791
		High	2 660.00	57.537
	16QAM	Low	2 526.00	57.850
		Middle	2 593.00	57.697
		High	2 660.00	57.666
	64QAM	Low	2 526.00	57.590
		Middle	2 593.00	57.639
		High	2 660.00	57.585
	256QAM	Low	2 526.00	57.763
		Middle	2 593.00	57.641
		High	2 660.00	57.754
Port 25	QPSK	Low	2 526.00	57.747
		Middle	2 593.00	57.661
		High	2 660.00	57.487
	16QAM	Low	2 526.00	57.746
		Middle	2 593.00	57.737
		High	2 660.00	57.832
	64QAM	Low	2 526.00	57.657
		Middle	2 593.00	57.719
		High	2 660.00	57.658
	256QAM	Low	2 526.00	57.607
		Middle	2 593.00	57.645
		High	2 660.00	57.685
Port 26	QPSK	Low	2 526.00	57.837
		Middle	2 593.00	57.736
		High	2 660.00	57.652
	16QAM	Low	2 526.00	57.779
		Middle	2 593.00	57.665
		High	2 660.00	57.650

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 526.00	57.593
		Middle	2 593.00	57.708
		High	2 660.00	57.704
	256QAM	Low	2 526.00	57.643
		Middle	2 593.00	57.680
		High	2 660.00	57.544
Port 27	QPSK	Low	2 526.00	57.716
		Middle	2 593.00	57.829
		High	2 660.00	57.659
	16QAM	Low	2 526.00	57.699
		Middle	2 593.00	57.701
		High	2 660.00	57.689
	64QAM	Low	2 526.00	57.633
		Middle	2 593.00	57.777
		High	2 660.00	57.735
	256QAM	Low	2 526.00	57.564
		Middle	2 593.00	57.666
		High	2 660.00	57.734
Port 28	QPSK	Low	2 526.00	57.763
		Middle	2 593.00	57.747
		High	2 660.00	57.522
	16QAM	Low	2 526.00	57.748
		Middle	2 593.00	57.800
		High	2 660.00	57.790
	64QAM	Low	2 526.00	57.692
		Middle	2 593.00	57.654
		High	2 660.00	57.659
	256QAM	Low	2 526.00	57.572
		Middle	2 593.00	57.672
		High	2 660.00	57.659
Port 29	QPSK	Low	2 526.00	57.648
		Middle	2 593.00	58.001

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 660.00	57.746
	16QAM	Low	2 526.00	57.758
		Middle	2 593.00	57.744
		High	2 660.00	57.680
	64QAM	Low	2 526.00	57.746
		Middle	2 593.00	57.764
		High	2 660.00	57.575
	256QAM	Low	2 526.00	57.603
		Middle	2 593.00	57.577
		High	2 660.00	57.599
Port 30	QPSK	Low	2 526.00	57.673
		Middle	2 593.00	57.547
		High	2 660.00	57.626
	16QAM	Low	2 526.00	57.873
		Middle	2 593.00	57.719
		High	2 660.00	57.781
	64QAM	Low	2 526.00	57.567
		Middle	2 593.00	57.636
		High	2 660.00	57.626
	256QAM	Low	2 526.00	57.645
		Middle	2 593.00	57.653
		High	2 660.00	57.664
Port 31	QPSK	Low	2 526.00	57.766
		Middle	2 593.00	57.592
		High	2 660.00	57.622
	16QAM	Low	2 526.00	57.591
		Middle	2 593.00	57.763
		High	2 660.00	57.765
	64QAM	Low	2 526.00	57.670
		Middle	2 593.00	57.625
		High	2 660.00	57.584
	256QAM	Low	2 526.00	57.645

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	57.629
		High	2 660.00	57.656
Port 32	QPSK	Low	2 526.00	57.625
		Middle	2 593.00	57.696
		High	2 660.00	57.753
	16QAM	Low	2 526.00	57.698
		Middle	2 593.00	57.860
		High	2 660.00	57.786
	64QAM	Low	2 526.00	57.727
		Middle	2 593.00	57.702
		High	2 660.00	57.600
	256QAM	Low	2 526.00	57.653
		Middle	2 593.00	57.821
		High	2 660.00	57.749
Port 33	QPSK	Low	2 526.00	57.639
		Middle	2 593.00	57.737
		High	2 660.00	57.622
	16QAM	Low	2 526.00	57.688
		Middle	2 593.00	57.759
		High	2 660.00	57.585
	64QAM	Low	2 526.00	57.695
		Middle	2 593.00	57.817
		High	2 660.00	57.688
	256QAM	Low	2 526.00	57.536
		Middle	2 593.00	57.584
		High	2 660.00	57.708
Port 34	QPSK	Low	2 526.00	57.639
		Middle	2 593.00	57.676
		High	2 660.00	57.598
	16QAM	Low	2 526.00	57.787
		Middle	2 593.00	57.882
		High	2 660.00	57.692

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 526.00	57.656
		Middle	2 593.00	57.611
		High	2 660.00	57.664
	256QAM	Low	2 526.00	57.736
		Middle	2 593.00	57.612
		High	2 660.00	57.659
Port 35	QPSK	Low	2 526.00	57.607
		Middle	2 593.00	57.669
		High	2 660.00	57.694
	16QAM	Low	2 526.00	57.780
		Middle	2 593.00	57.732
		High	2 660.00	57.836
	64QAM	Low	2 526.00	57.766
		Middle	2 593.00	57.680
		High	2 660.00	57.748
	256QAM	Low	2 526.00	57.615
		Middle	2 593.00	57.677
		High	2 660.00	57.540
Port 36	QPSK	Low	2 526.00	57.790
		Middle	2 593.00	57.704
		High	2 660.00	57.846
	16QAM	Low	2 526.00	57.819
		Middle	2 593.00	57.731
		High	2 660.00	57.721
	64QAM	Low	2 526.00	57.752
		Middle	2 593.00	57.786
		High	2 660.00	57.610
	256QAM	Low	2 526.00	57.626
		Middle	2 593.00	57.730
		High	2 660.00	57.633
Port 37	QPSK	Low	2 526.00	57.832
		Middle	2 593.00	57.575

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 660.00	57.637
	16QAM	Low	2 526.00	57.830
		Middle	2 593.00	57.654
		High	2 660.00	57.761
	64QAM	Low	2 526.00	57.614
		Middle	2 593.00	57.631
		High	2 660.00	57.673
	256QAM	Low	2 526.00	57.619
		Middle	2 593.00	57.610
		High	2 660.00	57.721
Port 38	QPSK	Low	2 526.00	57.716
		Middle	2 593.00	57.709
		High	2 660.00	57.682
	16QAM	Low	2 526.00	57.788
		Middle	2 593.00	57.712
		High	2 660.00	57.766
	64QAM	Low	2 526.00	57.660
		Middle	2 593.00	57.655
		High	2 660.00	57.689
	256QAM	Low	2 526.00	57.770
		Middle	2 593.00	57.748
		High	2 660.00	57.662
Port 39	QPSK	Low	2 526.00	57.606
		Middle	2 593.00	57.763
		High	2 660.00	57.633
	16QAM	Low	2 526.00	57.608
		Middle	2 593.00	57.662
		High	2 660.00	57.674
	64QAM	Low	2 526.00	57.641
		Middle	2 593.00	57.666
		High	2 660.00	57.701
	256QAM	Low	2 526.00	57.666

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	57.623
		High	2 660.00	57.596
Port 40	QPSK	Low	2 526.00	57.624
		Middle	2 593.00	57.620
		High	2 660.00	57.739
	16QAM	Low	2 526.00	57.767
		Middle	2 593.00	57.820
		High	2 660.00	57.833
	64QAM	Low	2 526.00	57.727
		Middle	2 593.00	57.737
		High	2 660.00	57.718
	256QAM	Low	2 526.00	57.666
		Middle	2 593.00	57.724
		High	2 660.00	57.614
Port 41	QPSK	Low	2 526.00	57.757
		Middle	2 593.00	57.680
		High	2 660.00	57.653
	16QAM	Low	2 526.00	57.789
		Middle	2 593.00	57.755
		High	2 660.00	57.749
	64QAM	Low	2 526.00	57.673
		Middle	2 593.00	57.597
		High	2 660.00	57.635
	256QAM	Low	2 526.00	57.561
		Middle	2 593.00	57.643
		High	2 660.00	57.664
Port 42	QPSK	Low	2 526.00	57.734
		Middle	2 593.00	57.713
		High	2 660.00	57.740
	16QAM	Low	2 526.00	57.614
		Middle	2 593.00	57.713
		High	2 660.00	57.726

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 526.00	57.634
		Middle	2 593.00	57.703
		High	2 660.00	57.592
	256QAM	Low	2 526.00	57.678
		Middle	2 593.00	57.575
		High	2 660.00	57.732
Port 43	QPSK	Low	2 526.00	57.723
		Middle	2 593.00	57.653
		High	2 660.00	57.576
	16QAM	Low	2 526.00	57.780
		Middle	2 593.00	57.724
		High	2 660.00	57.615
	64QAM	Low	2 526.00	57.735
		Middle	2 593.00	57.602
		High	2 660.00	57.635
	256QAM	Low	2 526.00	57.762
		Middle	2 593.00	57.600
		High	2 660.00	57.691
Port 44	QPSK	Low	2 526.00	57.644
		Middle	2 593.00	57.725
		High	2 660.00	57.575
	16QAM	Low	2 526.00	57.797
		Middle	2 593.00	57.665
		High	2 660.00	57.626
	64QAM	Low	2 526.00	57.734
		Middle	2 593.00	57.687
		High	2 660.00	57.711
	256QAM	Low	2 526.00	57.661
		Middle	2 593.00	57.634
		High	2 660.00	57.664
Port 45	QPSK	Low	2 526.00	57.688
		Middle	2 593.00	57.673

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 660.00	57.578
	16QAM	Low	2 526.00	57.781
		Middle	2 593.00	57.753
		High	2 660.00	57.724
	64QAM	Low	2 526.00	57.653
		Middle	2 593.00	57.788
		High	2 660.00	57.604
	256QAM	Low	2 526.00	57.709
		Middle	2 593.00	57.649
		High	2 660.00	57.701
Port 46	QPSK	Low	2 526.00	57.632
		Middle	2 593.00	57.706
		High	2 660.00	57.613
	16QAM	Low	2 526.00	57.743
		Middle	2 593.00	57.723
		High	2 660.00	57.720
	64QAM	Low	2 526.00	57.750
		Middle	2 593.00	57.709
		High	2 660.00	57.602
	256QAM	Low	2 526.00	57.624
		Middle	2 593.00	57.654
		High	2 660.00	57.753
Port 47	QPSK	Low	2 526.00	57.676
		Middle	2 593.00	57.746
		High	2 660.00	57.797
	16QAM	Low	2 526.00	57.849
		Middle	2 593.00	57.690
		High	2 660.00	57.650
	64QAM	Low	2 526.00	57.731
		Middle	2 593.00	57.809
		High	2 660.00	57.553
	256QAM	Low	2 526.00	57.610

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	57.655
		High	2 660.00	57.718
Port 48	QPSK	Low	2 526.00	57.620
		Middle	2 593.00	57.596
		High	2 660.00	57.638
	16QAM	Low	2 526.00	57.739
		Middle	2 593.00	57.628
		High	2 660.00	57.612
	64QAM	Low	2 526.00	57.742
		Middle	2 593.00	57.700
		High	2 660.00	57.568
	256QAM	Low	2 526.00	57.599
		Middle	2 593.00	57.704
		High	2 660.00	57.619
Port 49	QPSK	Low	2 526.00	57.616
		Middle	2 593.00	57.697
		High	2 660.00	57.663
	16QAM	Low	2 526.00	57.662
		Middle	2 593.00	57.866
		High	2 660.00	57.865
	64QAM	Low	2 526.00	57.530
		Middle	2 593.00	57.676
		High	2 660.00	57.637
	256QAM	Low	2 526.00	57.671
		Middle	2 593.00	57.614
		High	2 660.00	57.596
Port 50	QPSK	Low	2 526.00	57.639
		Middle	2 593.00	57.781
		High	2 660.00	57.725
	16QAM	Low	2 526.00	57.827
		Middle	2 593.00	57.681
		High	2 660.00	57.607

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 526.00	57.617
		Middle	2 593.00	57.677
		High	2 660.00	57.634
	256QAM	Low	2 526.00	57.566
		Middle	2 593.00	57.627
		High	2 660.00	57.568
Port 51	QPSK	Low	2 526.00	57.710
		Middle	2 593.00	57.767
		High	2 660.00	57.738
	16QAM	Low	2 526.00	57.701
		Middle	2 593.00	57.843
		High	2 660.00	57.694
	64QAM	Low	2 526.00	57.612
		Middle	2 593.00	57.775
		High	2 660.00	57.769
	256QAM	Low	2 526.00	57.685
		Middle	2 593.00	57.665
		High	2 660.00	57.597
Port 52	QPSK	Low	2 526.00	57.725
		Middle	2 593.00	57.710
		High	2 660.00	57.703
	16QAM	Low	2 526.00	57.778
		Middle	2 593.00	57.705
		High	2 660.00	57.658
	64QAM	Low	2 526.00	57.619
		Middle	2 593.00	57.660
		High	2 660.00	57.560
	256QAM	Low	2 526.00	57.675
		Middle	2 593.00	57.666
		High	2 660.00	57.563
Port 53	QPSK	Low	2 526.00	57.658
		Middle	2 593.00	57.720

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 660.00	57.647
	16QAM	Low	2 526.00	57.648
		Middle	2 593.00	57.864
		High	2 660.00	57.714
	64QAM	Low	2 526.00	57.656
		Middle	2 593.00	57.624
		High	2 660.00	57.594
	256QAM	Low	2 526.00	57.713
		Middle	2 593.00	57.680
		High	2 660.00	57.543
Port 54	QPSK	Low	2 526.00	57.631
		Middle	2 593.00	57.678
		High	2 660.00	57.638
	16QAM	Low	2 526.00	57.876
		Middle	2 593.00	57.756
		High	2 660.00	57.626
	64QAM	Low	2 526.00	57.675
		Middle	2 593.00	57.544
		High	2 660.00	57.571
	256QAM	Low	2 526.00	57.719
		Middle	2 593.00	57.697
		High	2 660.00	57.649
Port 55	QPSK	Low	2 526.00	57.758
		Middle	2 593.00	57.587
		High	2 660.00	57.708
	16QAM	Low	2 526.00	57.763
		Middle	2 593.00	57.758
		High	2 660.00	57.608
	64QAM	Low	2 526.00	57.644
		Middle	2 593.00	57.678
		High	2 660.00	57.632
	256QAM	Low	2 526.00	57.711

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	57.653
		High	2 660.00	57.686
Port 56	QPSK	Low	2 526.00	57.655
		Middle	2 593.00	57.695
		High	2 660.00	57.626
	16QAM	Low	2 526.00	57.803
		Middle	2 593.00	57.801
		High	2 660.00	57.691
	64QAM	Low	2 526.00	57.651
		Middle	2 593.00	57.611
		High	2 660.00	57.621
	256QAM	Low	2 526.00	57.636
		Middle	2 593.00	57.745
		High	2 660.00	57.657
Port 57	QPSK	Low	2 526.00	57.747
		Middle	2 593.00	57.638
		High	2 660.00	57.695
	16QAM	Low	2 526.00	57.766
		Middle	2 593.00	57.837
		High	2 660.00	57.650
	64QAM	Low	2 526.00	57.626
		Middle	2 593.00	57.553
		High	2 660.00	57.666
	256QAM	Low	2 526.00	57.672
		Middle	2 593.00	57.739
		High	2 660.00	57.634
Port 58	QPSK	Low	2 526.00	57.710
		Middle	2 593.00	57.673
		High	2 660.00	57.600
	16QAM	Low	2 526.00	57.648
		Middle	2 593.00	57.746
		High	2 660.00	57.763

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 526.00	57.577
		Middle	2 593.00	57.655
		High	2 660.00	57.645
	256QAM	Low	2 526.00	57.575
		Middle	2 593.00	57.608
		High	2 660.00	57.614
Port 59	QPSK	Low	2 526.00	57.535
		Middle	2 593.00	57.685
		High	2 660.00	57.683
	16QAM	Low	2 526.00	57.824
		Middle	2 593.00	57.757
		High	2 660.00	57.757
	64QAM	Low	2 526.00	57.580
		Middle	2 593.00	57.690
		High	2 660.00	57.513
	256QAM	Low	2 526.00	57.671
		Middle	2 593.00	57.626
		High	2 660.00	57.758
Port 60	QPSK	Low	2 526.00	57.559
		Middle	2 593.00	57.728
		High	2 660.00	57.588
	16QAM	Low	2 526.00	57.567
		Middle	2 593.00	57.693
		High	2 660.00	57.836
	64QAM	Low	2 526.00	57.657
		Middle	2 593.00	57.701
		High	2 660.00	57.643
	256QAM	Low	2 526.00	57.722
		Middle	2 593.00	57.776
		High	2 660.00	57.552
Port 61	QPSK	Low	2 526.00	57.718
		Middle	2 593.00	57.727

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 660.00	57.665
	16QAM	Low	2 526.00	57.841
		Middle	2 593.00	57.718
		High	2 660.00	57.738
	64QAM	Low	2 526.00	57.677
		Middle	2 593.00	57.664
		High	2 660.00	57.751
	256QAM	Low	2 526.00	57.619
		Middle	2 593.00	57.688
		High	2 660.00	57.631
Port 62	QPSK	Low	2 526.00	57.640
		Middle	2 593.00	57.716
		High	2 660.00	57.624
	16QAM	Low	2 526.00	57.848
		Middle	2 593.00	57.794
		High	2 660.00	57.583
	64QAM	Low	2 526.00	57.694
		Middle	2 593.00	57.629
		High	2 660.00	57.612
	256QAM	Low	2 526.00	57.619
		Middle	2 593.00	57.635
		High	2 660.00	57.685
Port 63	QPSK	Low	2 526.00	57.659
		Middle	2 593.00	57.643
		High	2 660.00	57.675
	16QAM	Low	2 526.00	57.721
		Middle	2 593.00	57.819
		High	2 660.00	57.743
	64QAM	Low	2 526.00	57.574
		Middle	2 593.00	57.769
		High	2 660.00	57.549
	256QAM	Low	2 526.00	57.629

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	57.693
		High	2 660.00	57.621

* This test report only contains the worst case plot data for each port and modulation.

20 MHz + 20 MHz + 15 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
Port 0	QPSK	Low	2 523.50	52.983
		Middle	2 593.00	52.923
		High	2 662.50	52.822
	16QAM	Low	2 523.50	52.907
		Middle	2 593.00	53.004
		High	2 662.50	52.887
	64QAM	Low	2 523.50	52.891
		Middle	2 593.00	52.962
		High	2 662.50	52.974
	256QAM	Low	2 523.50	52.960
		Middle	2 593.00	52.934
		High	2 662.50	52.961
Port 1	QPSK	Low	2 523.50	52.905
		Middle	2 593.00	52.960
		High	2 662.50	52.820
	16QAM	Low	2 523.50	53.013
		Middle	2 593.00	53.055
		High	2 662.50	53.150
	64QAM	Low	2 523.50	52.902
		Middle	2 593.00	53.018
		High	2 662.50	52.933
	256QAM	Low	2 523.50	52.990
		Middle	2 593.00	52.911
		High	2 662.50	52.928
Port 2	QPSK	Low	2 523.50	52.946
		Middle	2 593.00	53.008
		High	2 662.50	52.977
	16QAM	Low	2 523.50	52.951
		Middle	2 593.00	52.822
		High	2 662.50	52.993

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 523.50	52.925
		Middle	2 593.00	52.952
		High	2 662.50	52.961
	256QAM	Low	2 523.50	52.915
		Middle	2 593.00	52.925
		High	2 662.50	52.950
Port 3	QPSK	Low	2 523.50	53.102
		Middle	2 593.00	52.904
		High	2 662.50	52.834
	16QAM	Low	2 523.50	52.865
		Middle	2 593.00	52.985
		High	2 662.50	52.976
	64QAM	Low	2 523.50	53.070
		Middle	2 593.00	52.947
		High	2 662.50	53.067
	256QAM	Low	2 523.50	52.872
		Middle	2 593.00	52.923
		High	2 662.50	52.899
Port 4	QPSK	Low	2 523.50	52.976
		Middle	2 593.00	52.967
		High	2 662.50	52.975
	16QAM	Low	2 523.50	52.918
		Middle	2 593.00	53.053
		High	2 662.50	52.926
	64QAM	Low	2 523.50	52.871
		Middle	2 593.00	52.904
		High	2 662.50	53.003
	256QAM	Low	2 523.50	53.002
		Middle	2 593.00	52.912
		High	2 662.50	52.924
Port 5	QPSK	Low	2 523.50	52.949
		Middle	2 593.00	53.094

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 662.50	52.984
	16QAM	Low	2 523.50	52.860
		Middle	2 593.00	53.024
		High	2 662.50	52.946
	64QAM	Low	2 523.50	52.979
		Middle	2 593.00	52.961
		High	2 662.50	53.241
	256QAM	Low	2 523.50	52.957
		Middle	2 593.00	52.993
		High	2 662.50	52.900
Port 6	QPSK	Low	2 523.50	52.939
		Middle	2 593.00	52.970
		High	2 662.50	52.856
	16QAM	Low	2 523.50	52.950
		Middle	2 593.00	53.171
		High	2 662.50	53.061
	64QAM	Low	2 523.50	52.835
		Middle	2 593.00	52.944
		High	2 662.50	53.023
	256QAM	Low	2 523.50	82.878
		Middle	2 593.00	52.917
		High	2 662.50	52.947
Port 7	QPSK	Low	2 523.50	52.771
		Middle	2 593.00	52.870
		High	2 662.50	52.863
	16QAM	Low	2 523.50	53.085
		Middle	2 593.00	52.967
		High	2 662.50	52.837
	64QAM	Low	2 523.50	52.986
		Middle	2 593.00	52.914
		High	2 662.50	52.935
	256QAM	Low	2 523.50	52.917

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	52.981
		High	2 662.50	52.928
Port 8	QPSK	Low	2 523.50	53.064
		Middle	2 593.00	52.931
		High	2 662.50	52.937
	16QAM	Low	2 523.50	52.940
		Middle	2 593.00	53.154
		High	2 662.50	52.965
	64QAM	Low	2 523.50	52.937
		Middle	2 593.00	52.941
		High	2 662.50	53.061
	256QAM	Low	2 523.50	52.857
		Middle	2 593.00	52.902
		High	2 662.50	52.915
Port 9	QPSK	Low	2 523.50	52.997
		Middle	2 593.00	53.050
		High	2 662.50	52.912
	16QAM	Low	2 523.50	52.889
		Middle	2 593.00	53.155
		High	2 662.50	53.140
	64QAM	Low	2 523.50	52.937
		Middle	2 593.00	52.992
		High	2 662.50	52.999
	256QAM	Low	2 523.50	52.877
		Middle	2 593.00	52.955
		High	2 662.50	52.902
Port 10	QPSK	Low	2 523.50	52.906
		Middle	2 593.00	52.990
		High	2 662.50	53.013
	16QAM	Low	2 523.50	53.142
		Middle	2 593.00	53.069
		High	2 662.50	53.146

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 523.50	52.907
		Middle	2 593.00	52.939
		High	2 662.50	53.066
	256QAM	Low	2 523.50	52.994
		Middle	2 593.00	52.908
		High	2 662.50	52.860
Port 11	QPSK	Low	2 523.50	52.870
		Middle	2 593.00	53.053
		High	2 662.50	52.889
	16QAM	Low	2 523.50	53.031
		Middle	2 593.00	52.893
		High	2 662.50	52.976
	64QAM	Low	2 523.50	53.049
		Middle	2 593.00	52.995
		High	2 662.50	53.106
	256QAM	Low	2 523.50	52.919
		Middle	2 593.00	52.978
		High	2 662.50	52.823
Port 12	QPSK	Low	2 523.50	52.979
		Middle	2 593.00	52.917
		High	2 662.50	52.984
	16QAM	Low	2 523.50	53.134
		Middle	2 593.00	52.930
		High	2 662.50	52.943
	64QAM	Low	2 523.50	52.974
		Middle	2 593.00	52.959
		High	2 662.50	52.955
	256QAM	Low	2 523.50	52.911
		Middle	2 593.00	52.835
		High	2 662.50	52.888
Port 13	QPSK	Low	2 523.50	53.004
		Middle	2 593.00	52.845

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 662.50	52.941
	16QAM	Low	2 523.50	52.979
		Middle	2 593.00	53.050
		High	2 662.50	52.925
	64QAM	Low	2 523.50	52.992
		Middle	2 593.00	53.022
		High	2 662.50	53.124
	256QAM	Low	2 523.50	52.972
		Middle	2 593.00	52.996
		High	2 662.50	52.945
Port 14	QPSK	Low	2 523.50	53.018
		Middle	2 593.00	53.107
		High	2 662.50	52.968
	16QAM	Low	2 523.50	52.984
		Middle	2 593.00	53.037
		High	2 662.50	53.025
	64QAM	Low	2 523.50	52.830
		Middle	2 593.00	52.906
		High	2 662.50	53.012
	256QAM	Low	2 523.50	52.936
		Middle	2 593.00	52.844
		High	2 662.50	52.976
Port 15	QPSK	Low	2 523.50	52.854
		Middle	2 593.00	52.955
		High	2 662.50	52.915
	16QAM	Low	2 523.50	52.972
		Middle	2 593.00	52.966
		High	2 662.50	52.878
	64QAM	Low	2 523.50	52.972
		Middle	2 593.00	53.006
		High	2 662.50	53.069
	256QAM	Low	2 523.50	52.834

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	52.953
		High	2 662.50	52.874
Port 16	QPSK	Low	2 523.50	53.046
		Middle	2 593.00	53.096
		High	2 662.50	52.949
	16QAM	Low	2 523.50	52.988
		Middle	2 593.00	53.175
		High	2 662.50	52.922
	64QAM	Low	2 523.50	52.943
		Middle	2 593.00	52.894
		High	2 662.50	52.977
	256QAM	Low	2 523.50	52.987
		Middle	2 593.00	52.899
		High	2 662.50	52.853
Port 17	QPSK	Low	2 523.50	52.988
		Middle	2 593.00	53.003
		High	2 662.50	53.047
	16QAM	Low	2 523.50	52.969
		Middle	2 593.00	52.956
		High	2 662.50	53.009
	64QAM	Low	2 523.50	52.932
		Middle	2 593.00	52.983
		High	2 662.50	53.006
	256QAM	Low	2 523.50	52.876
		Middle	2 593.00	52.962
		High	2 662.50	52.838
Port 18	QPSK	Low	2 523.50	53.021
		Middle	2 593.00	52.973
		High	2 662.50	52.916
	16QAM	Low	2 523.50	52.943
		Middle	2 593.00	52.933
		High	2 662.50	53.143

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 523.50	52.921
		Middle	2 593.00	52.887
		High	2 662.50	52.900
	256QAM	Low	2 523.50	52.989
		Middle	2 593.00	52.929
		High	2 662.50	53.071
Port 19	QPSK	Low	2 523.50	52.865
		Middle	2 593.00	53.044
		High	2 662.50	52.980
	16QAM	Low	2 523.50	53.045
		Middle	2 593.00	52.989
		High	2 662.50	52.867
	64QAM	Low	2 523.50	52.911
		Middle	2 593.00	52.992
		High	2 662.50	52.889
	256QAM	Low	2 523.50	52.893
		Middle	2 593.00	52.973
		High	2 662.50	52.862
Port 20	QPSK	Low	2 523.50	53.016
		Middle	2 593.00	52.943
		High	2 662.50	52.912
	16QAM	Low	2 523.50	53.127
		Middle	2 593.00	53.130
		High	2 662.50	53.018
	64QAM	Low	2 523.50	52.951
		Middle	2 593.00	52.947
		High	2 662.50	52.985
	256QAM	Low	2 523.50	52.912
		Middle	2 593.00	52.952
		High	2 662.50	53.027
Port 21	QPSK	Low	2 523.50	52.902
		Middle	2 593.00	52.898

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 662.50	53.002
	16QAM	Low	2 523.50	53.161
		Middle	2 593.00	53.030
		High	2 662.50	53.160
	64QAM	Low	2 523.50	53.952
		Middle	2 593.00	52.916
		High	2 662.50	52.926
	256QAM	Low	2 523.50	52.896
		Middle	2 593.00	52.926
		High	2 662.50	53.029
Port 22	QPSK	Low	2 523.50	52.924
		Middle	2 593.00	52.981
		High	2 662.50	52.850
	16QAM	Low	2 523.50	52.957
		Middle	2 593.00	53.065
		High	2 662.50	53.109
	64QAM	Low	2 523.50	52.924
		Middle	2 593.00	52.937
		High	2 662.50	53.033
	256QAM	Low	2 523.50	52.915
		Middle	2 593.00	53.024
		High	2 662.50	52.928
Port 23	QPSK	Low	2 523.50	52.918
		Middle	2 593.00	52.911
		High	2 662.50	52.986
	16QAM	Low	2 523.50	52.970
		Middle	2 593.00	53.022
		High	2 662.50	53.011
	64QAM	Low	2 523.50	52.958
		Middle	2 593.00	52.863
		High	2 662.50	52.825
	256QAM	Low	2 523.50	52.871

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	52.934
		High	2 662.50	52.880
Port 24	QPSK	Low	2 523.50	52.961
		Middle	2 593.00	52.908
		High	2 662.50	52.918
	16QAM	Low	2 523.50	53.047
		Middle	2 593.00	53.082
		High	2 662.50	53.205
	64QAM	Low	2 523.50	52.902
		Middle	2 593.00	52.961
		High	2 662.50	53.019
	256QAM	Low	2 523.50	52.927
		Middle	2 593.00	52.933
		High	2 662.50	52.978
Port 25	QPSK	Low	2 523.50	53.071
		Middle	2 593.00	52.863
		High	2 662.50	52.898
	16QAM	Low	2 523.50	53.053
		Middle	2 593.00	53.110
		High	2 662.50	52.962
	64QAM	Low	2 523.50	52.925
		Middle	2 593.00	52.986
		High	2 662.50	53.094
	256QAM	Low	2 523.50	52.950
		Middle	2 593.00	52.991
		High	2 662.50	52.877
Port 26	QPSK	Low	2 523.50	52.937
		Middle	2 593.00	52.934
		High	2 662.50	52.863
	16QAM	Low	2 523.50	53.174
		Middle	2 593.00	53.022
		High	2 662.50	52.881

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 523.50	52.934
		Middle	2 593.00	52.976
		High	2 662.50	52.895
	256QAM	Low	2 523.50	52.940
		Middle	2 593.00	52.944
		High	2 662.50	52.930
Port 27	QPSK	Low	2 523.50	52.931
		Middle	2 593.00	52.943
		High	2 662.50	52.954
	16QAM	Low	2 523.50	53.070
		Middle	2 593.00	53.122
		High	2 662.50	52.943
	64QAM	Low	2 523.50	52.955
		Middle	2 593.00	53.114
		High	2 662.50	52.955
	256QAM	Low	2 523.50	52.995
		Middle	2 593.00	52.948
		High	2 662.50	53.013
Port 28	QPSK	Low	2 523.50	52.933
		Middle	2 593.00	52.888
		High	2 662.50	52.894
	16QAM	Low	2 523.50	53.123
		Middle	2 593.00	53.026
		High	2 662.50	52.862
	64QAM	Low	2 523.50	52.952
		Middle	2 593.00	52.948
		High	2 662.50	53.079
	256QAM	Low	2 523.50	53.068
		Middle	2 593.00	52.965
		High	2 662.50	52.936
Port 29	QPSK	Low	2 523.50	53.051
		Middle	2 593.00	52.951

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 662.50	52.717
	16QAM	Low	2 523.50	53.013
		Middle	2 593.00	53.042
		High	2 662.50	53.026
	64QAM	Low	2 523.50	52.981
		Middle	2 593.00	53.028
		High	2 662.50	52.907
	256QAM	Low	2 523.50	52.951
		Middle	2 593.00	52.926
		High	2 662.50	52.939
Port 30	QPSK	Low	2 523.50	52.970
		Middle	2 593.00	52.909
		High	2 662.50	52.949
	16QAM	Low	2 523.50	53.005
		Middle	2 593.00	52.931
		High	2 662.50	53.023
	64QAM	Low	2 523.50	52.913
		Middle	2 593.00	52.913
		High	2 662.50	53.032
	256QAM	Low	2 523.50	52.973
		Middle	2 593.00	52.863
		High	2 662.50	52.978
Port 31	QPSK	Low	2 523.50	52.968
		Middle	2 593.00	52.863
		High	2 662.50	52.932
	16QAM	Low	2 523.50	53.071
		Middle	2 593.00	53.141
		High	2 662.50	52.935
	64QAM	Low	2 523.50	52.887
		Middle	2 593.00	52.979
		High	2 662.50	53.086
	256QAM	Low	2 523.50	53.101

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	52.881
		High	2 662.50	52.863
Port 32	QPSK	Low	2 523.50	52.810
		Middle	2 593.00	52.987
		High	2 662.50	52.958
	16QAM	Low	2 523.50	52.990
		Middle	2 593.00	53.051
		High	2 662.50	53.018
	64QAM	Low	2 523.50	52.949
		Middle	2 593.00	52.862
		High	2 662.50	53.149
	256QAM	Low	2 523.50	52.924
		Middle	2 593.00	52.926
		High	2 662.50	52.917
Port 33	QPSK	Low	2 523.50	52.893
		Middle	2 593.00	53.056
		High	2 662.50	53.917
	16QAM	Low	2 523.50	53.044
		Middle	2 593.00	53.035
		High	2 662.50	53.074
	64QAM	Low	2 523.50	52.918
		Middle	2 593.00	52.967
		High	2 662.50	53.076
	256QAM	Low	2 523.50	52.903
		Middle	2 593.00	52.980
		High	2 662.50	52.860
Port 34	QPSK	Low	2 523.50	52.991
		Middle	2 593.00	52.851
		High	2 662.50	53.009
	16QAM	Low	2 523.50	52.967
		Middle	2 593.00	53.090
		High	2 662.50	53.052

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 523.50	52.931
		Middle	2 593.00	53.027
		High	2 662.50	53.075
	256QAM	Low	2 523.50	52.895
		Middle	2 593.00	52.989
		High	2 662.50	52.893
Port 35	QPSK	Low	2 523.50	53.002
		Middle	2 593.00	52.951
		High	2 662.50	52.915
	16QAM	Low	2 523.50	53.035
		Middle	2 593.00	53.023
		High	2 662.50	53.108
	64QAM	Low	2 523.50	52.907
		Middle	2 593.00	52.959
		High	2 662.50	53.030
	256QAM	Low	2 523.50	53.016
		Middle	2 593.00	52.907
		High	2 662.50	52.959
Port 36	QPSK	Low	2 523.50	53.047
		Middle	2 593.00	53.048
		High	2 662.50	52.911
	16QAM	Low	2 523.50	53.057
		Middle	2 593.00	53.024
		High	2 662.50	53.035
	64QAM	Low	2 523.50	52.993
		Middle	2 593.00	52.990
		High	2 662.50	52.984
	256QAM	Low	2 523.50	52.946
		Middle	2 593.00	52.947
		High	2 662.50	52.849
Port 37	QPSK	Low	2 523.50	52.958
		Middle	2 593.00	53.005

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 662.50	52.986
	16QAM	Low	2 523.50	52.981
		Middle	2 593.00	53.099
		High	2 662.50	53.173
	64QAM	Low	2 523.50	52.990
		Middle	2 593.00	53.034
		High	2 662.50	53.096
	256QAM	Low	2 523.50	52.994
		Middle	2 593.00	52.972
		High	2 662.50	52.886
Port 38	QPSK	Low	2 523.50	52.978
		Middle	2 593.00	52.807
		High	2 662.50	52.954
	16QAM	Low	2 523.50	52.850
		Middle	2 593.00	53.165
		High	2 662.50	53.025
	64QAM	Low	2 523.50	52.909
		Middle	2 593.00	52.957
		High	2 662.50	53.055
	256QAM	Low	2 523.50	52.865
		Middle	2 593.00	52.919
		High	2 662.50	52.945
Port 39	QPSK	Low	2 523.50	53.046
		Middle	2 593.00	52.921
		High	2 662.50	53.037
	16QAM	Low	2 523.50	52.957
		Middle	2 593.00	52.983
		High	2 662.50	52.900
	64QAM	Low	2 523.50	57.972
		Middle	2 593.00	52.930
		High	2 662.50	53.118
	256QAM	Low	2 523.50	52.919

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	52.898
		High	2 662.50	52.869
Port 40	QPSK	Low	2 523.50	53.112
		Middle	2 593.00	53.114
		High	2 662.50	52.950
	16QAM	Low	2 523.50	52.988
		Middle	2 593.00	53.056
		High	2 662.50	53.077
	64QAM	Low	2 523.50	52.931
		Middle	2 593.00	53.002
		High	2 662.50	53.013
	256QAM	Low	2 523.50	52.902
		Middle	2 593.00	53.013
		High	2 662.50	52.879
Port 41	QPSK	Low	2 523.50	52.997
		Middle	2 593.00	52.988
		High	2 662.50	53.044
	16QAM	Low	2 523.50	53.105
		Middle	2 593.00	53.029
		High	2 662.50	52.902
	64QAM	Low	2 523.50	52.885
		Middle	2 593.00	52.951
		High	2 662.50	52.986
	256QAM	Low	2 523.50	52.910
		Middle	2 593.00	53.011
		High	2 662.50	52.859
Port 42	QPSK	Low	2 523.50	52.837
		Middle	2 593.00	52.971
		High	2 662.50	52.883
	16QAM	Low	2 523.50	52.993
		Middle	2 593.00	52.986
		High	2 662.50	52.981

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 523.50	52.931
		Middle	2 593.00	53.004
		High	2 662.50	52.987
	256QAM	Low	2 523.50	52.921
		Middle	2 593.00	52.981
		High	2 662.50	52.915
Port 43	QPSK	Low	2 523.50	52.942
		Middle	2 593.00	52.835
		High	2 662.50	53.993
	16QAM	Low	2 523.50	53.000
		Middle	2 593.00	53.008
		High	2 662.50	53.032
	64QAM	Low	2 523.50	52.971
		Middle	2 593.00	53.014
		High	2 662.50	53.063
	256QAM	Low	2 523.50	52.987
		Middle	2 593.00	52.942
		High	2 662.50	52.962
Port 44	QPSK	Low	2 523.50	52.917
		Middle	2 593.00	52.892
		High	2 662.50	52.870
	16QAM	Low	2 523.50	53.146
		Middle	2 593.00	52.966
		High	2 662.50	53.039
	64QAM	Low	2 523.50	53.017
		Middle	2 593.00	52.857
		High	2 662.50	53.015
	256QAM	Low	2 523.50	53.009
		Middle	2 593.00	52.951
		High	2 662.50	53.007
Port 45	QPSK	Low	2 523.50	52.981
		Middle	2 593.00	52.917

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 662.50	53.070
	16QAM	Low	2 523.50	53.182
		Middle	2 593.00	53.016
		High	2 662.50	53.045
	64QAM	Low	2 523.50	52.934
		Middle	2 593.00	52.976
		High	2 662.50	52.983
	256QAM	Low	2 523.50	52.970
		Middle	2 593.00	53.025
		High	2 662.50	52.905
Port 46	QPSK	Low	2 523.50	52.987
		Middle	2 593.00	52.954
		High	2 662.50	52.856
	16QAM	Low	2 523.50	52.914
		Middle	2 593.00	52.969
		High	2 662.50	53.035
	64QAM	Low	2 523.50	52.876
		Middle	2 593.00	52.969
		High	2 662.50	53.004
	256QAM	Low	2 523.50	52.905
		Middle	2 593.00	52.890
		High	2 662.50	52.978
Port 47	QPSK	Low	2 523.50	52.969
		Middle	2 593.00	52.939
		High	2 662.50	52.962
	16QAM	Low	2 523.50	53.009
		Middle	2 593.00	52.935
		High	2 662.50	57.975
	64QAM	Low	2 523.50	57.936
		Middle	2 593.00	52.958
		High	2 662.50	53.028
	256QAM	Low	2 523.50	52.908

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	53.000
		High	2 662.50	52.887
Port 48	QPSK	Low	2 523.50	52.909
		Middle	2 593.00	52.861
		High	2 662.50	52.824
	16QAM	Low	2 523.50	53.053
		Middle	2 593.00	52.959
		High	2 662.50	52.836
	64QAM	Low	2 523.50	52.998
		Middle	2 593.00	53.005
		High	2 662.50	52.951
	256QAM	Low	2 523.50	52.830
		Middle	2 593.00	52.999
		High	2 662.50	52.915
Port 49	QPSK	Low	2 523.50	53.072
		Middle	2 593.00	52.989
		High	2 662.50	52.859
	16QAM	Low	2 523.50	53.077
		Middle	2 593.00	52.941
		High	2 662.50	53.019
	64QAM	Low	2 523.50	52.984
		Middle	2 593.00	52.913
		High	2 662.50	53.098
	256QAM	Low	2 523.50	52.997
		Middle	2 593.00	53.109
		High	2 662.50	52.918
Port 50	QPSK	Low	2 523.50	53.010
		Middle	2 593.00	53.052
		High	2 662.50	52.802
	16QAM	Low	2 523.50	53.059
		Middle	2 593.00	52.907
		High	2 662.50	53.154

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 523.50	52.932
		Middle	2 593.00	52.934
		High	2 662.50	53.104
	256QAM	Low	2 523.50	53.042
		Middle	2 593.00	53.025
		High	2 662.50	52.828
Port 51	QPSK	Low	2 523.50	52.961
		Middle	2 593.00	52.930
		High	2 662.50	52.954
	16QAM	Low	2 523.50	53.136
		Middle	2 593.00	53.034
		High	2 662.50	52.840
	64QAM	Low	2 523.50	52.978
		Middle	2 593.00	52.892
		High	2 662.50	52.979
	256QAM	Low	2 523.50	53.011
		Middle	2 593.00	52.977
		High	2 662.50	52.830
Port 52	QPSK	Low	2 523.50	52.817
		Middle	2 593.00	53.007
		High	2 662.50	52.998
	16QAM	Low	2 523.50	52.900
		Middle	2 593.00	52.979
		High	2 662.50	52.941
	64QAM	Low	2 523.50	53.021
		Middle	2 593.00	52.987
		High	2 662.50	52.950
	256QAM	Low	2 523.50	52.842
		Middle	2 593.00	52.898
		High	2 662.50	52.934
Port 53	QPSK	Low	2 523.50	52.958
		Middle	2 593.00	52.873

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 662.50	52.998
	16QAM	Low	2 523.50	52.994
		Middle	2 593.00	52.900
		High	2 662.50	52.837
	64QAM	Low	2 523.50	52.913
		Middle	2 593.00	53.052
		High	2 662.50	52.983
	256QAM	Low	2 523.50	52.952
		Middle	2 593.00	52.895
		High	2 662.50	52.911
Port 54	QPSK	Low	2 523.50	52.998
		Middle	2 593.00	52.934
		High	2 662.50	52.827
	16QAM	Low	2 523.50	52.926
		Middle	2 593.00	53.059
		High	2 662.50	52.989
	64QAM	Low	2 523.50	52.959
		Middle	2 593.00	53.036
		High	2 662.50	53.025
	256QAM	Low	2 523.50	52.912
		Middle	2 593.00	52.994
		High	2 662.50	52.951
Port 55	QPSK	Low	2 523.50	52.885
		Middle	2 593.00	53.120
		High	2 662.50	53.108
	16QAM	Low	2 523.50	52.916
		Middle	2 593.00	53.000
		High	2 662.50	52.996
	64QAM	Low	2 523.50	52.937
		Middle	2 593.00	52.967
		High	2 662.50	52.950
	256QAM	Low	2 523.50	52.929

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	52.997
		High	2 662.50	52.865
Port 56	QPSK	Low	2 523.50	57.977
		Middle	2 593.00	53.123
		High	2 662.50	52.901
	16QAM	Low	2 523.50	53.036
		Middle	2 593.00	52.882
		High	2 662.50	52.962
	64QAM	Low	2 523.50	52.909
		Middle	2 593.00	52.976
		High	2 662.50	53.119
	256QAM	Low	2 523.50	52.989
		Middle	2 593.00	52.976
		High	2 662.50	52.806
Port 57	QPSK	Low	2 523.50	53.000
		Middle	2 593.00	52.961
		High	2 662.50	52.971
	16QAM	Low	2 523.50	53.104
		Middle	2 593.00	53.187
		High	2 662.50	53.028
	64QAM	Low	2 523.50	53.013
		Middle	2 593.00	52.929
		High	2 662.50	53.108
	256QAM	Low	2 523.50	52.891
		Middle	2 593.00	52.951
		High	2 662.50	52.822
Port 58	QPSK	Low	2 523.50	52.891
		Middle	2 593.00	52.980
		High	2 662.50	52.928
	16QAM	Low	2 523.50	52.992
		Middle	2 593.00	52.961
		High	2 662.50	53.079

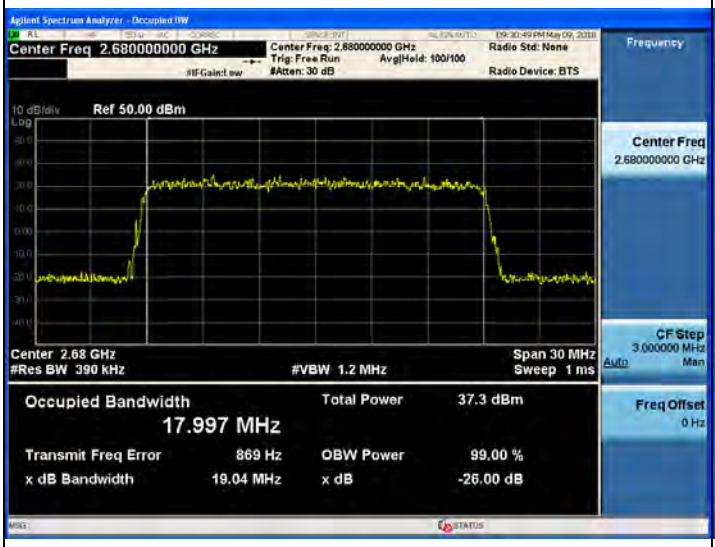
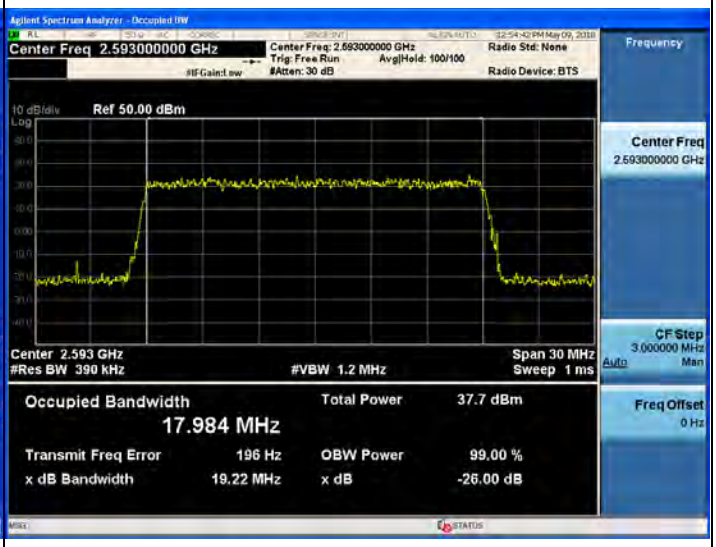
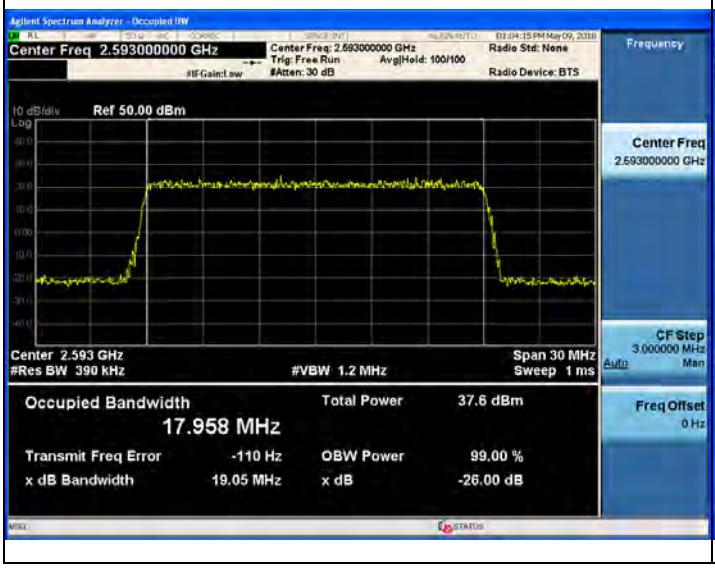
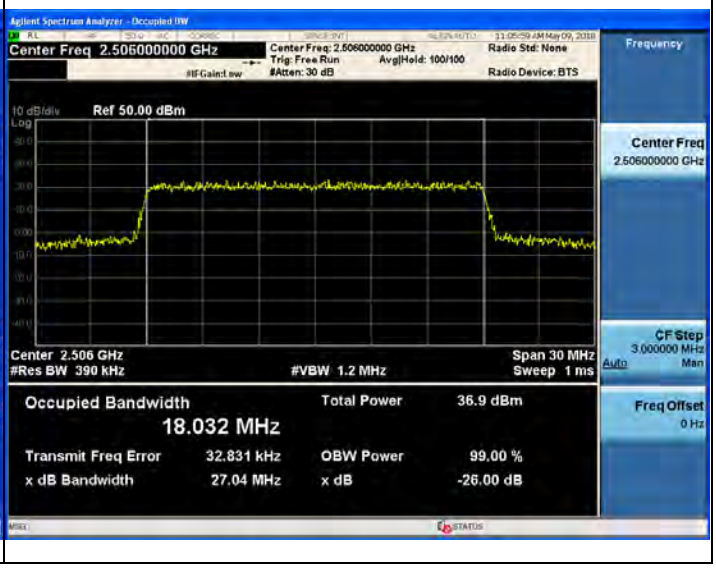
Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
	64QAM	Low	2 523.50	52.836
		Middle	2 593.00	52.959
		High	2 662.50	52.974
	256QAM	Low	2 523.50	52.924
		Middle	2 593.00	52.945
		High	2 662.50	52.852
Port 59	QPSK	Low	2 523.50	53.135
		Middle	2 593.00	52.964
		High	2 662.50	52.979
	16QAM	Low	2 523.50	53.055
		Middle	2 593.00	53.157
		High	2 662.50	53.138
	64QAM	Low	2 523.50	52.996
		Middle	2 593.00	53.037
		High	2 662.50	53.189
	256QAM	Low	2 523.50	53.006
		Middle	2 593.00	52.930
		High	2 662.50	52.902
Port 60	QPSK	Low	2 523.50	53.041
		Middle	2 593.00	53.006
		High	2 662.50	53.040
	16QAM	Low	2 523.50	52.983
		Middle	2 593.00	53.015
		High	2 662.50	52.950
	64QAM	Low	2 523.50	52.905
		Middle	2 593.00	53.025
		High	2 662.50	52.838
	256QAM	Low	2 523.50	52.967
		Middle	2 593.00	52.849
		High	2 662.50	52.942
Port 61	QPSK	Low	2 523.50	52.935
		Middle	2 593.00	52.973

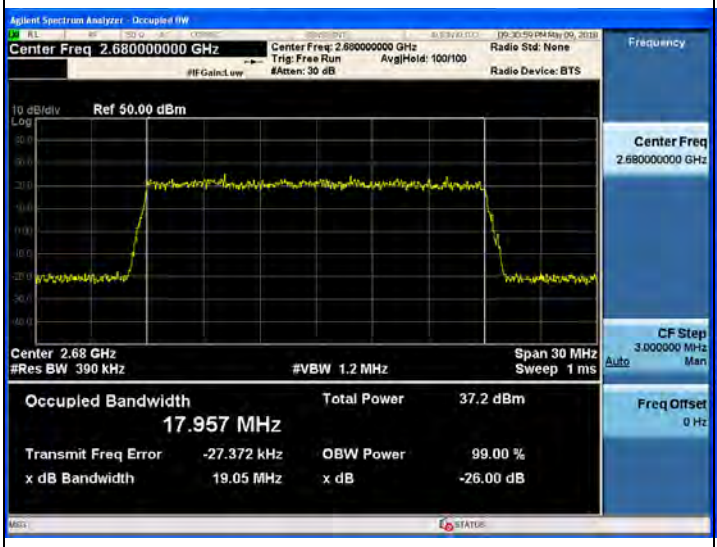
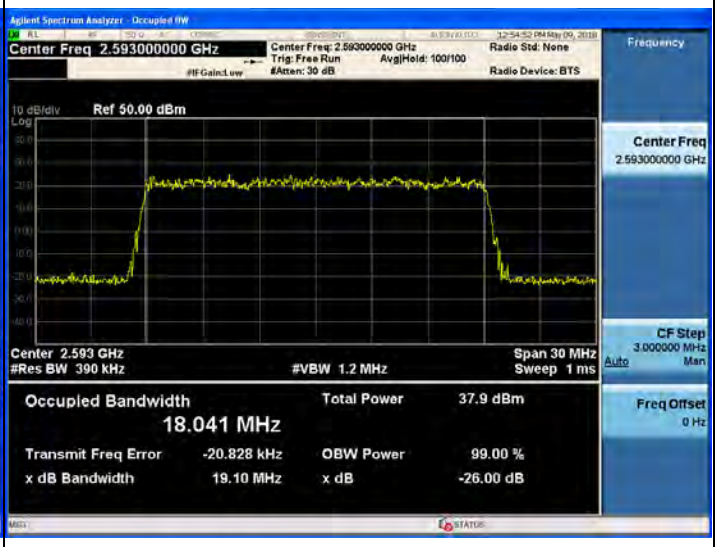
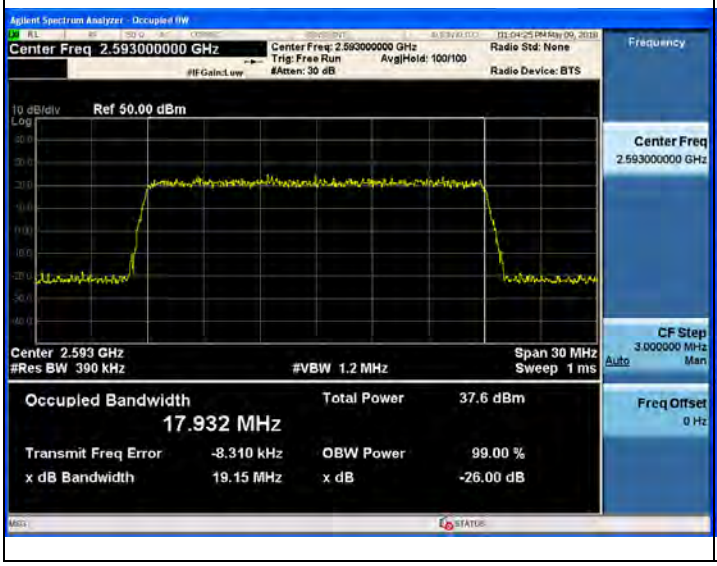
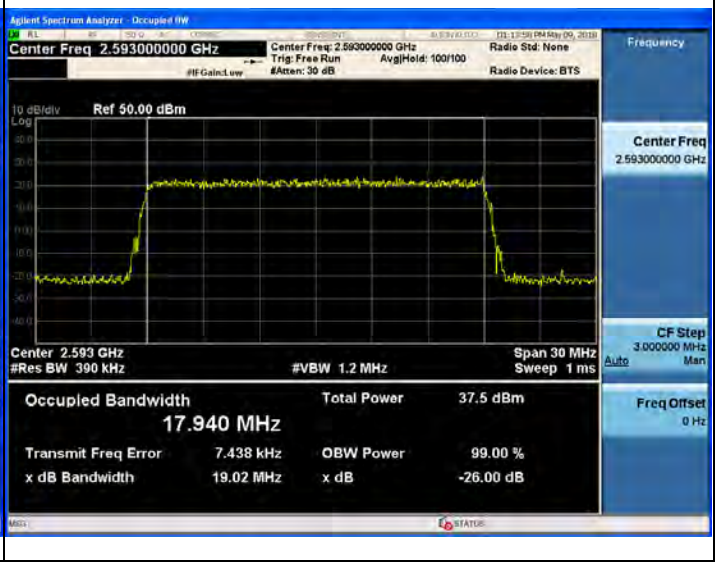
Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		High	2 662.50	52.950
	16QAM	Low	2 523.50	53.106
		Middle	2 593.00	52.940
		High	2 662.50	53.010
	64QAM	Low	2 523.50	53.025
		Middle	2 593.00	52.956
		High	2 662.50	52.910
	256QAM	Low	2 523.50	52.968
		Middle	2 593.00	52.947
		High	2 662.50	52.919
Port 62	QPSK	Low	2 523.50	53.069
		Middle	2 593.00	52.951
		High	2 662.50	53.015
	16QAM	Low	2 523.50	52.944
		Middle	2 593.00	53.021
		High	2 662.50	53.065
	64QAM	Low	2 523.50	52.871
		Middle	2 593.00	52.938
		High	2 662.50	53.075
	256QAM	Low	2 523.50	53.005
		Middle	2 593.00	52.958
		High	2 662.50	52.933
Port 63	QPSK	Low	2 523.50	53.052
		Middle	2 593.00	52.995
		High	2 662.50	52.848
	16QAM	Low	2 523.50	53.131
		Middle	2 593.00	52.923
		High	2 662.50	52.940
	64QAM	Low	2 523.50	52.920
		Middle	2 593.00	52.996
		High	2 662.50	52.922
	256QAM	Low	2 523.50	53.005

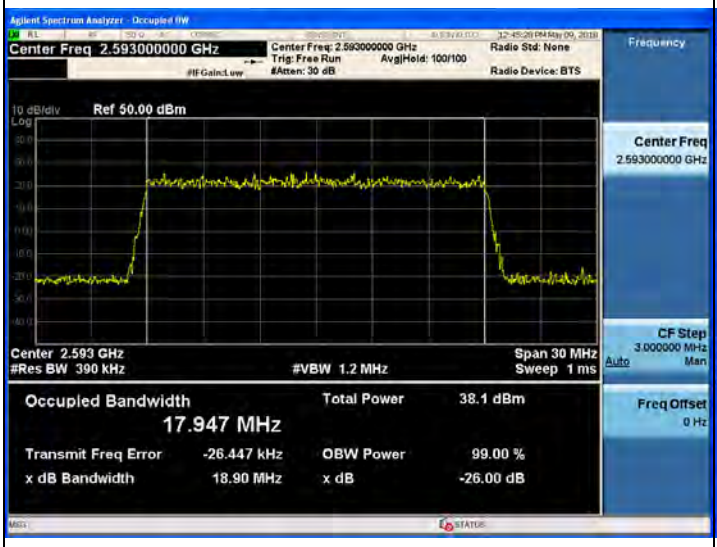
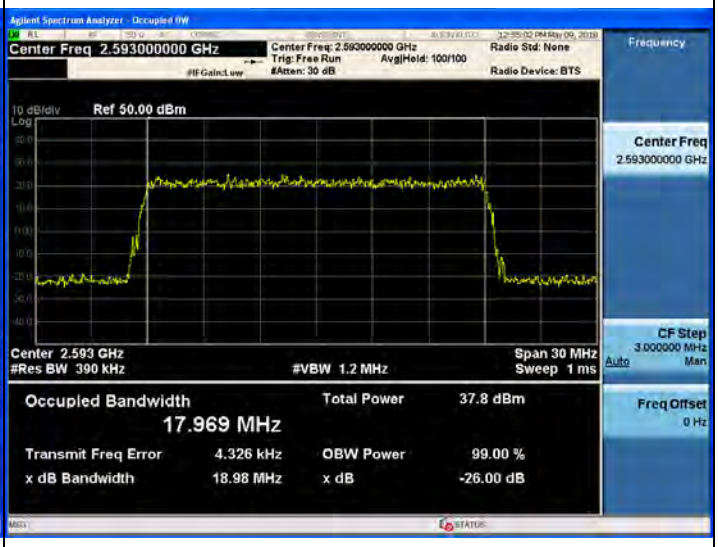
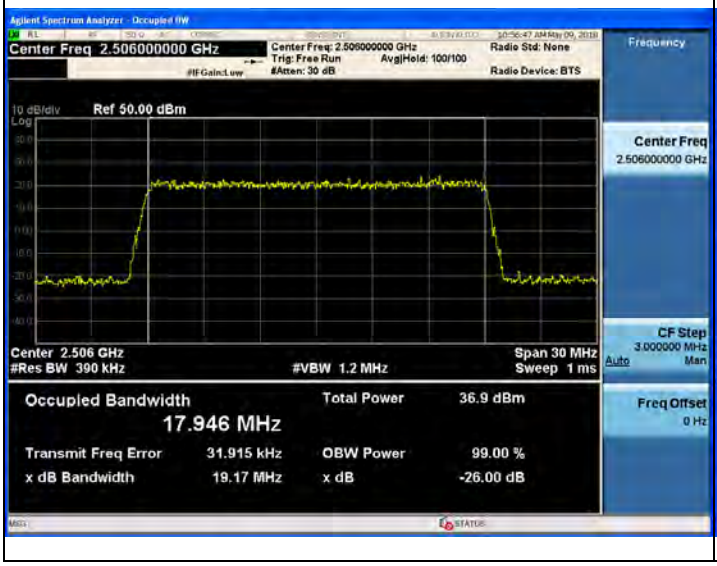
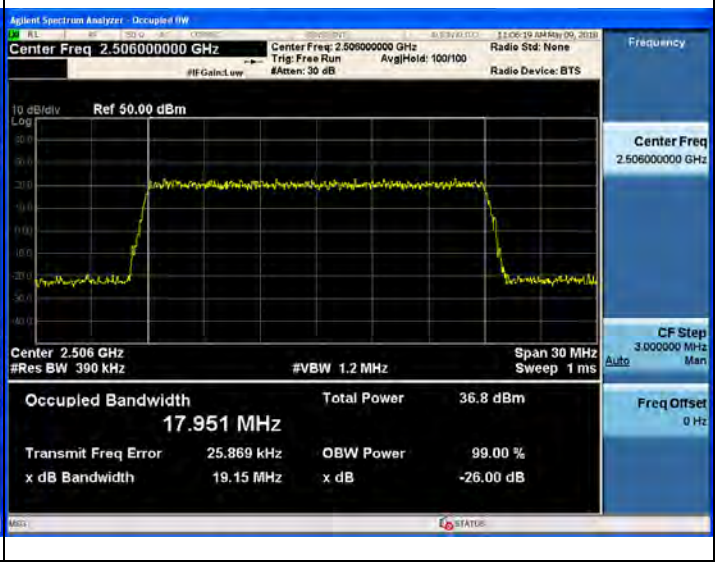
Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
		Middle	2 593.00	52.908
		High	2 662.50	52.994

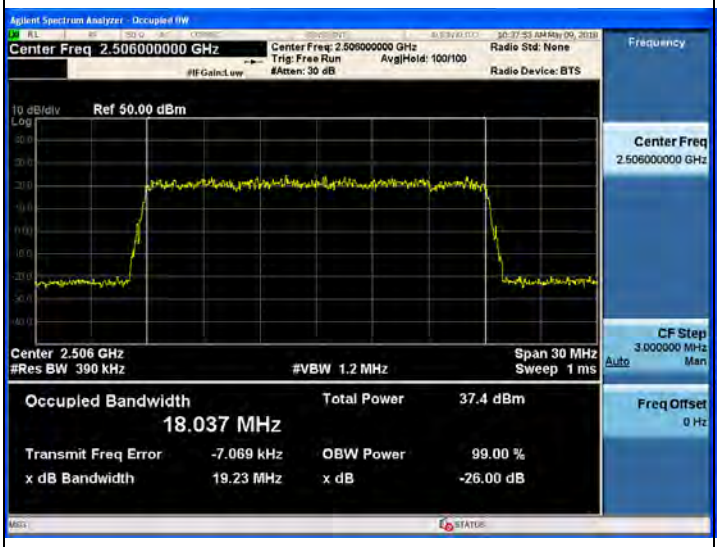
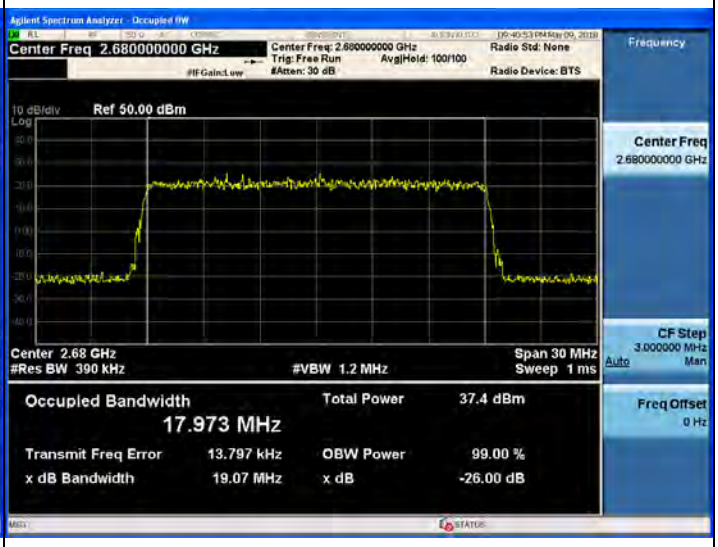
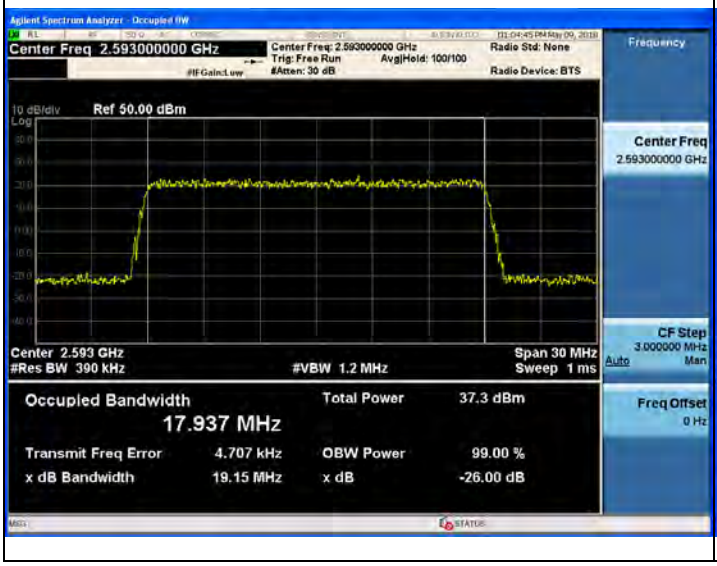
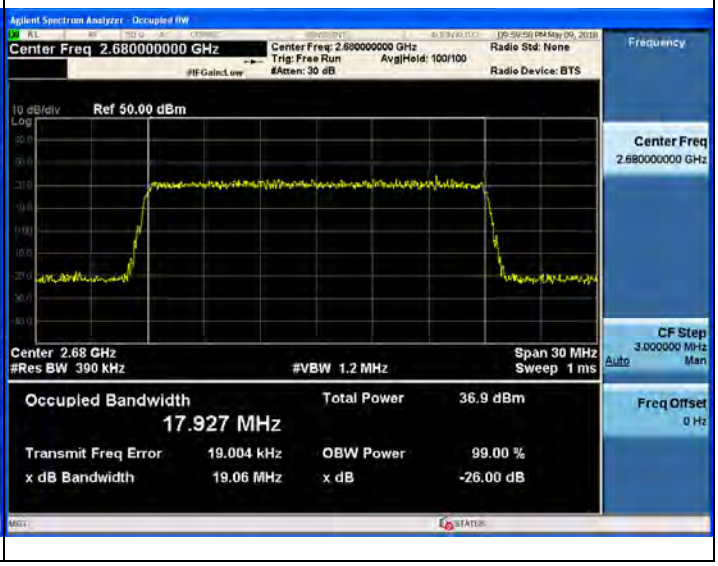
* This test report only contains the worst case plot data for each port and modulation.

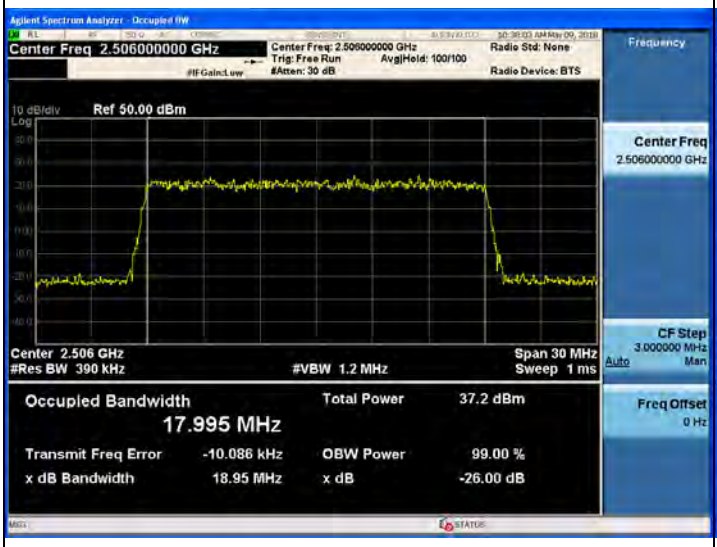
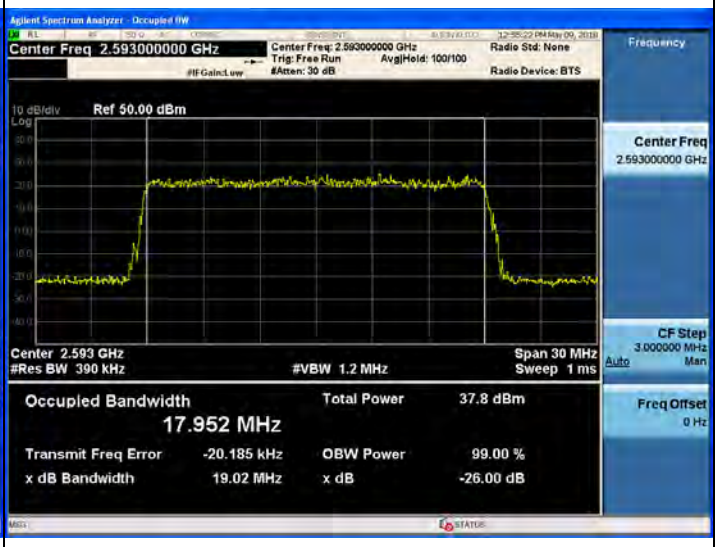
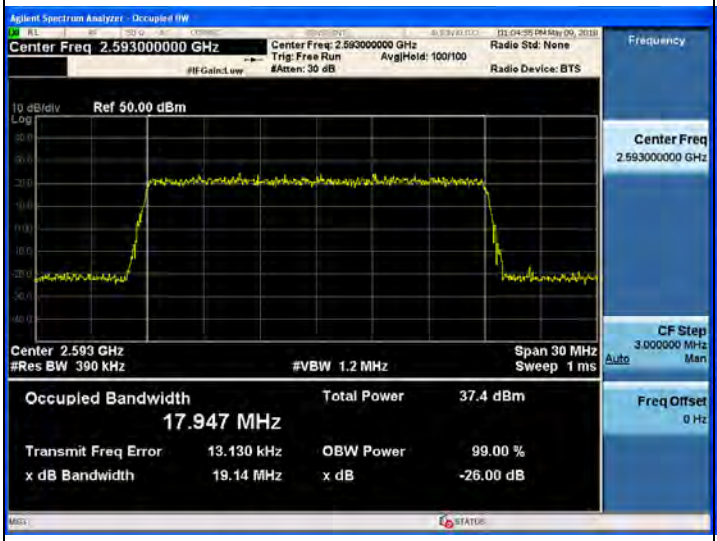
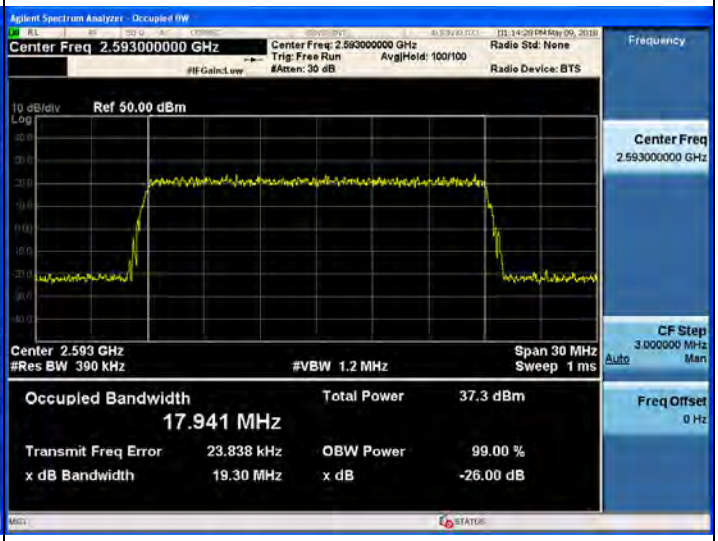
Plots of Occupied Bandwidth - 20 MHz Bandwidth / 1 Carrier

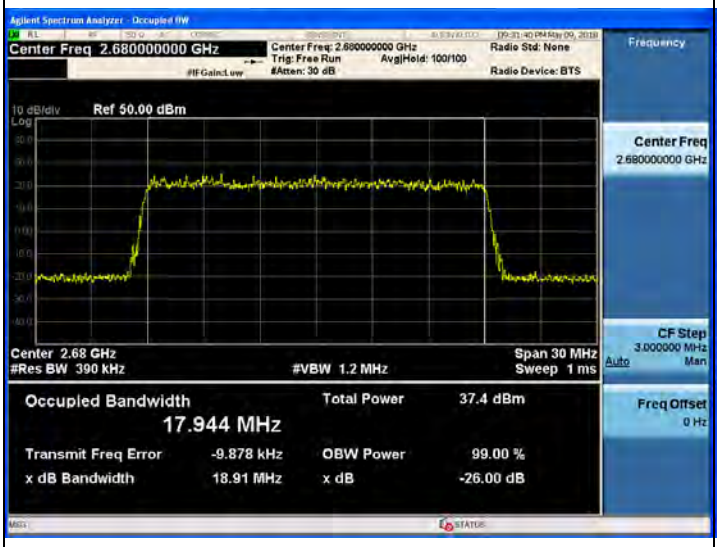
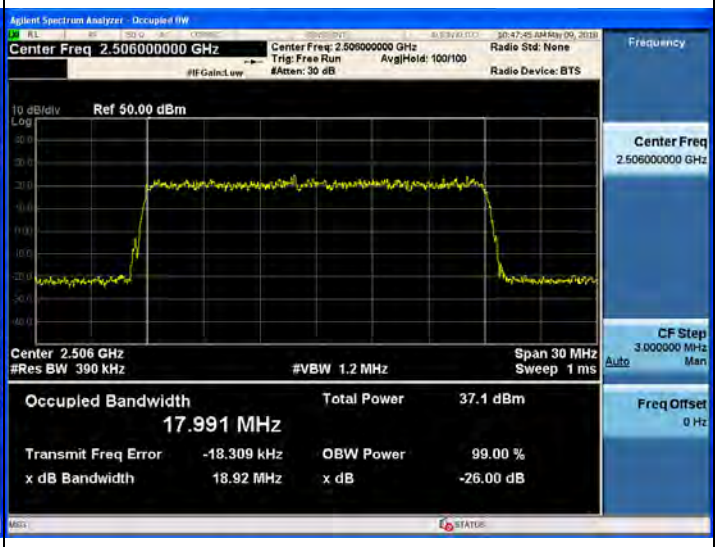
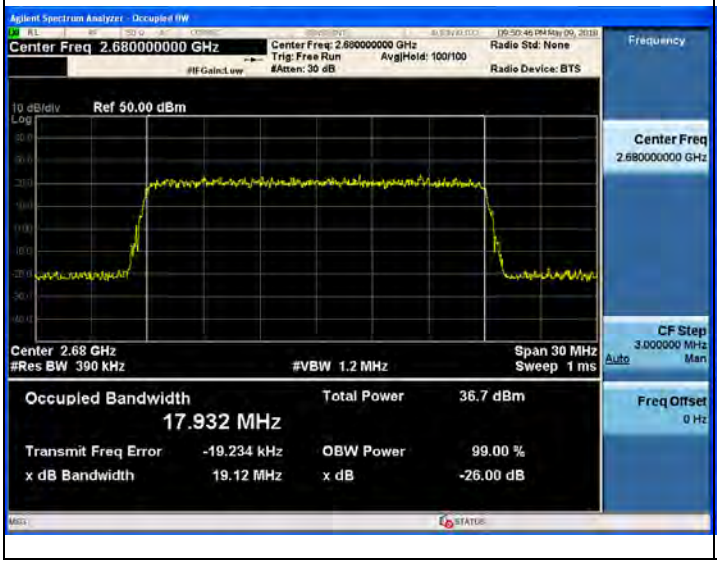
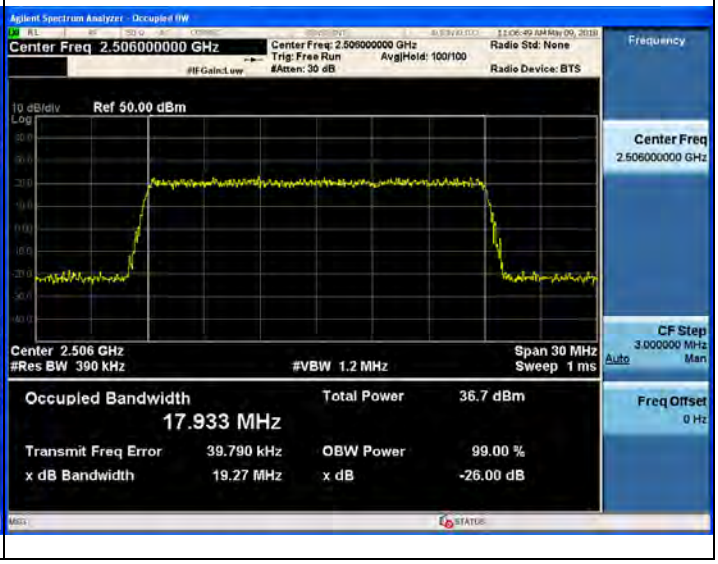
Port 0			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

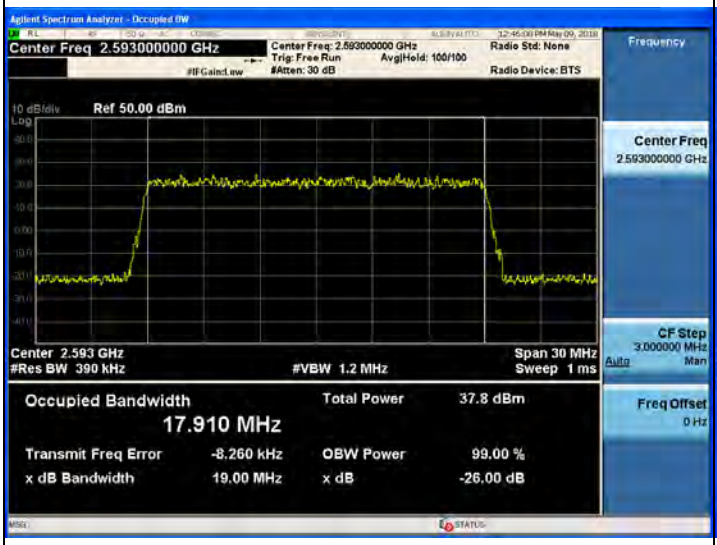
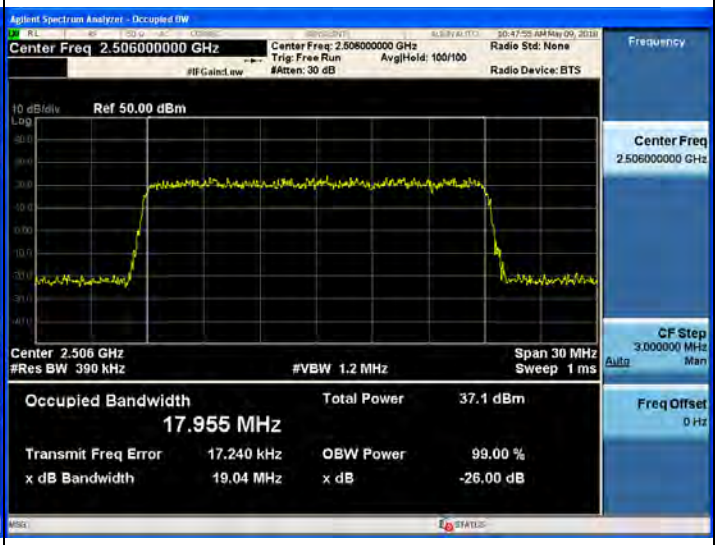
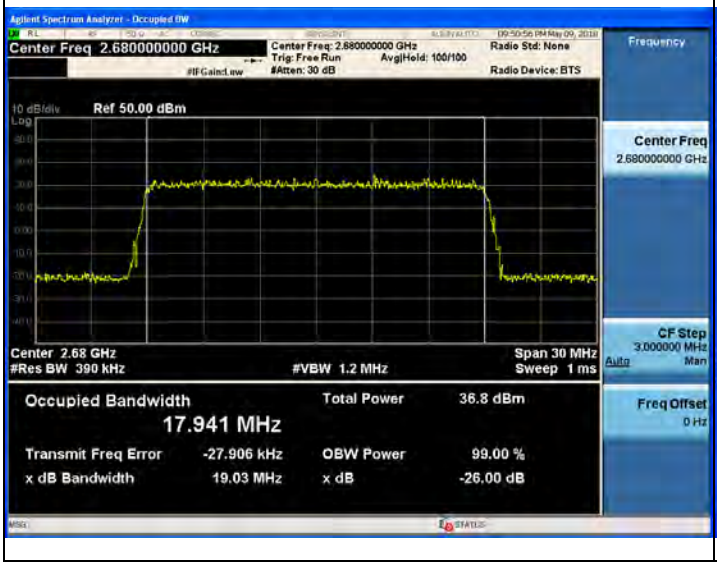
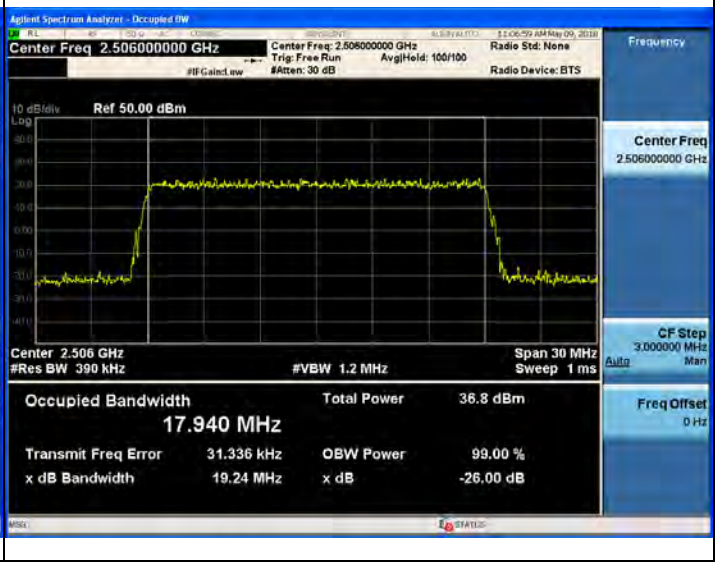
Port 1			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			

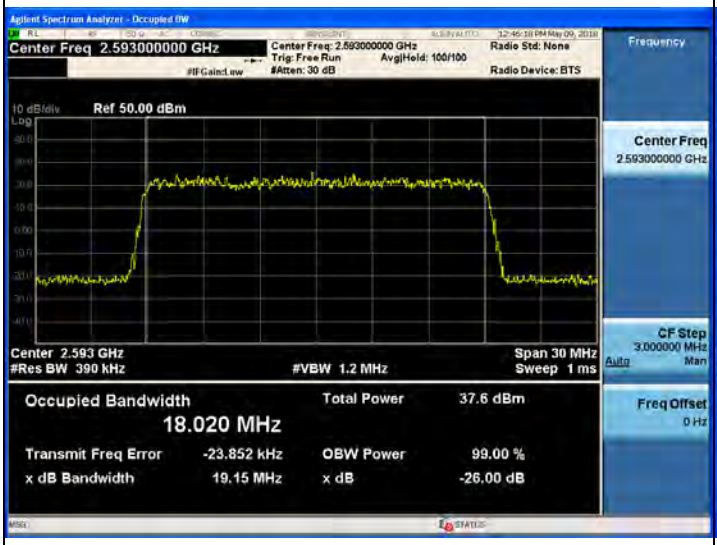
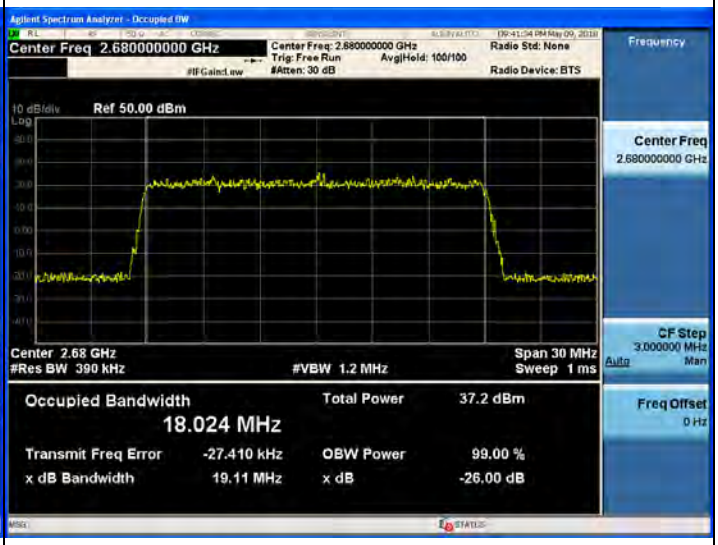
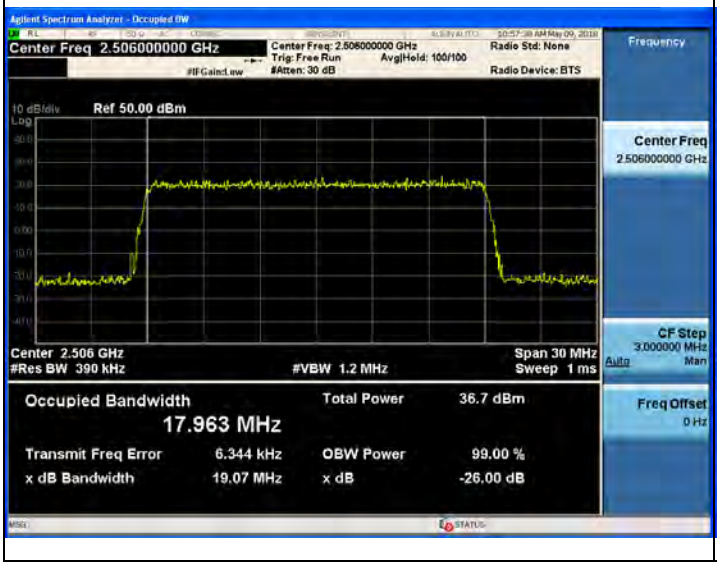
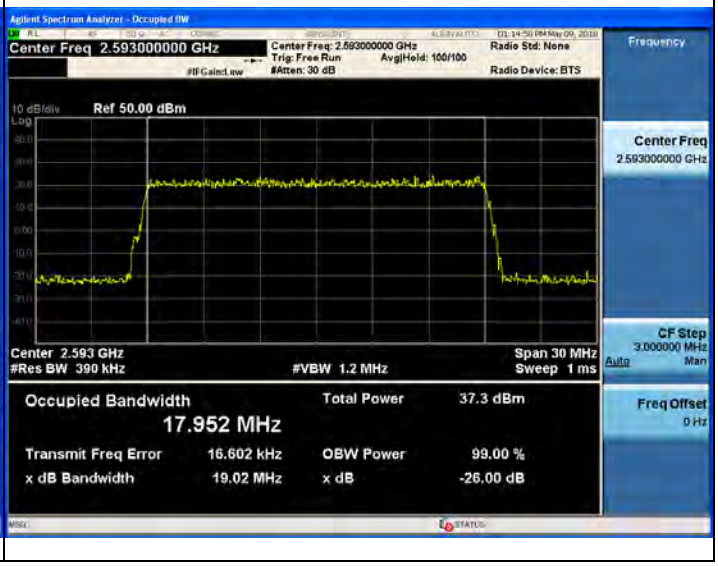
Port 2			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

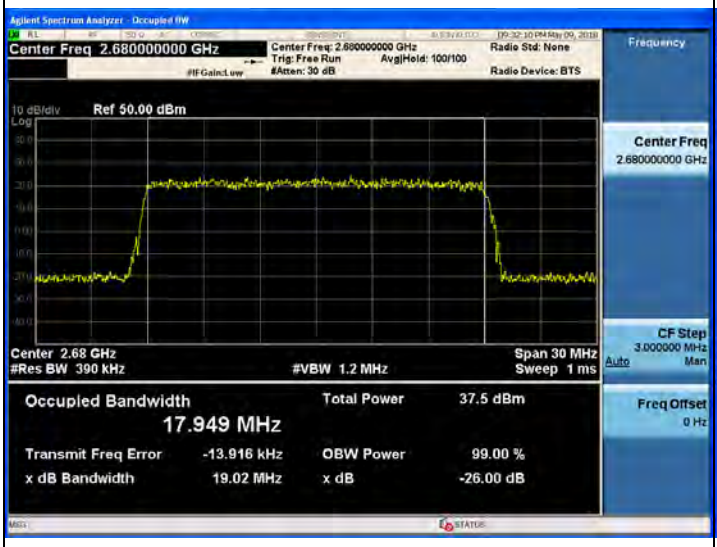
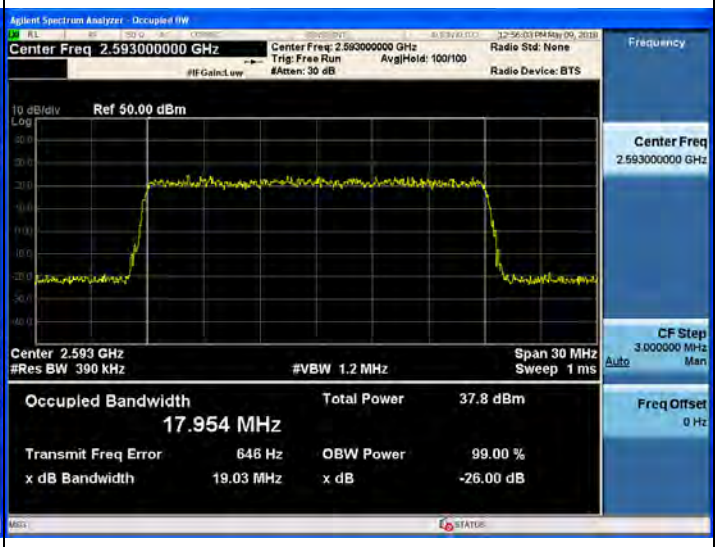
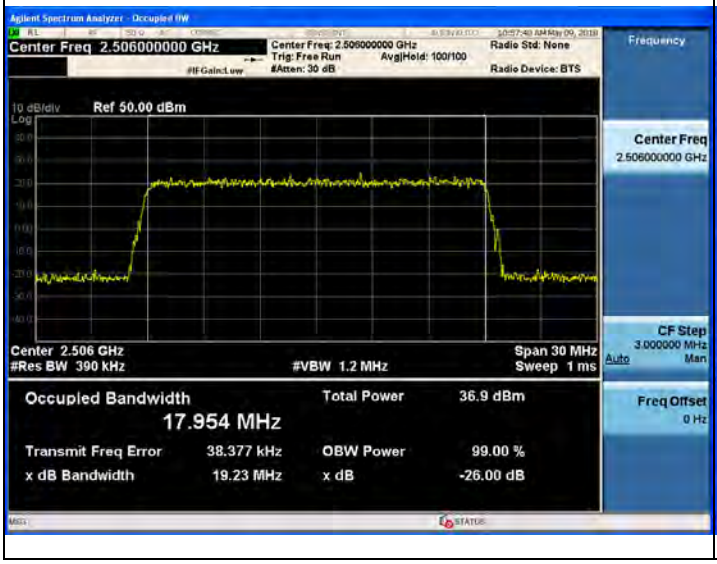
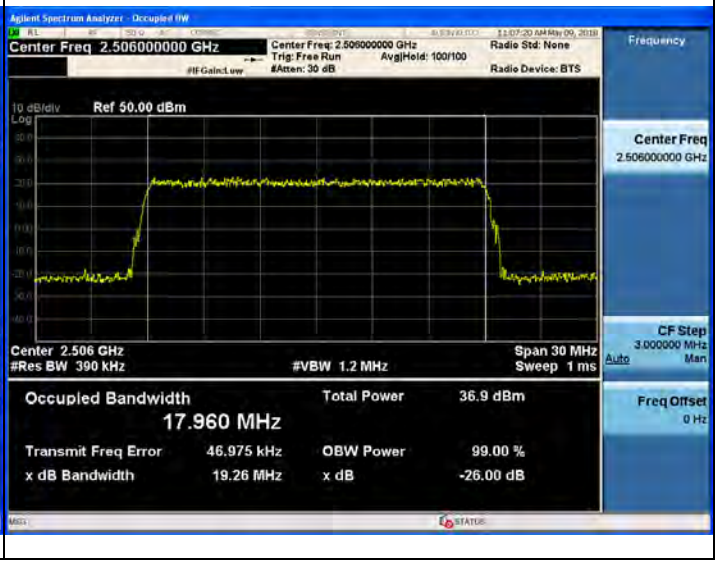
Port 3			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**High**
			

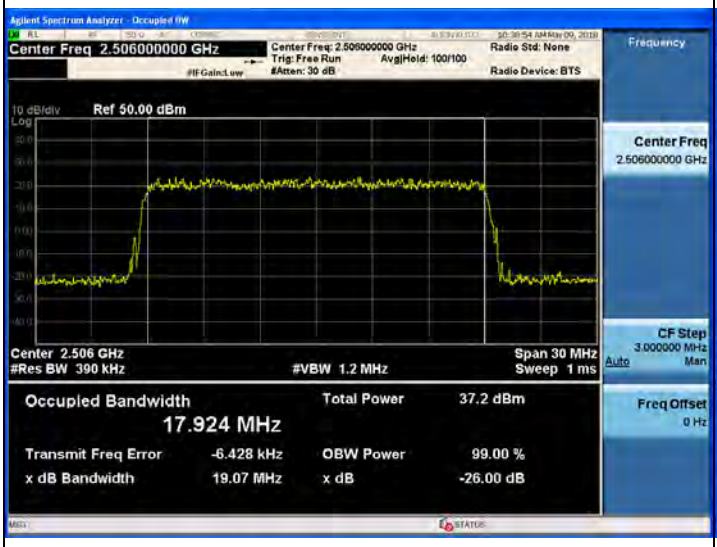
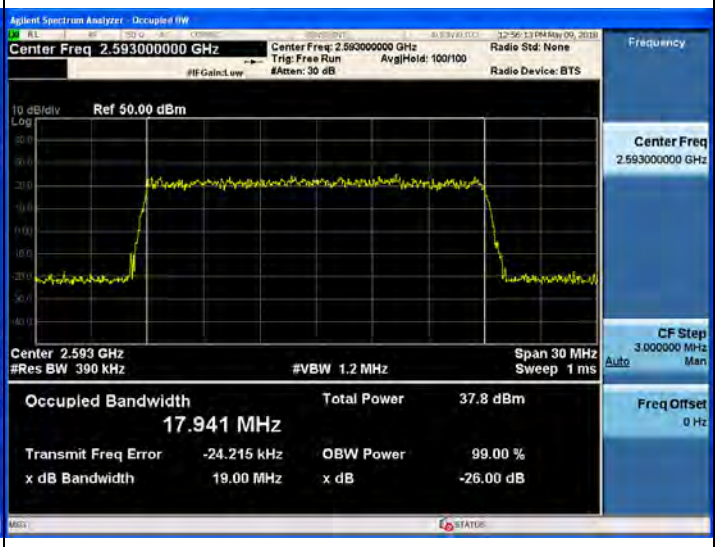
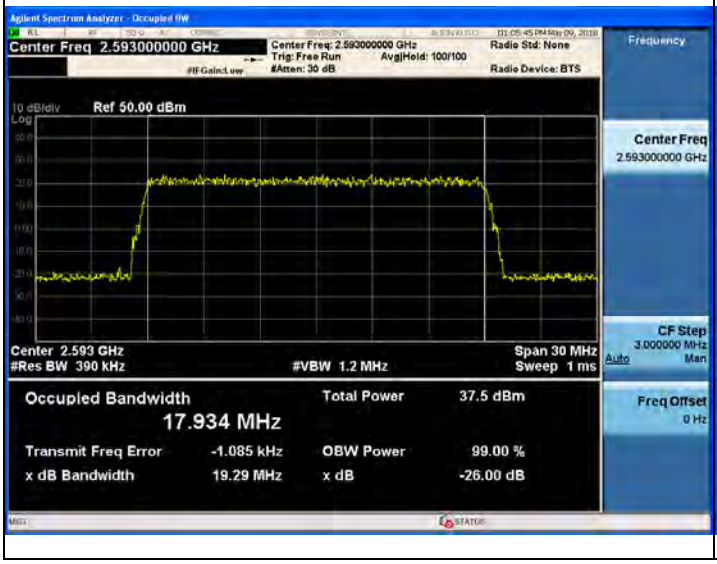
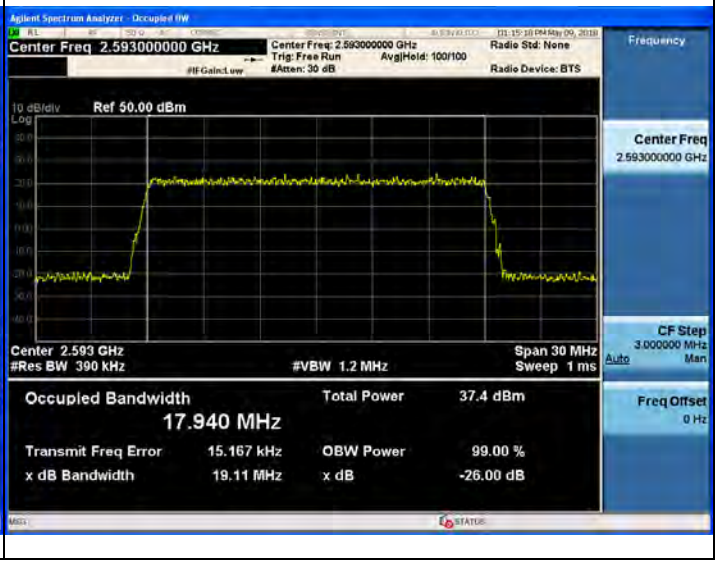
Port 4			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			

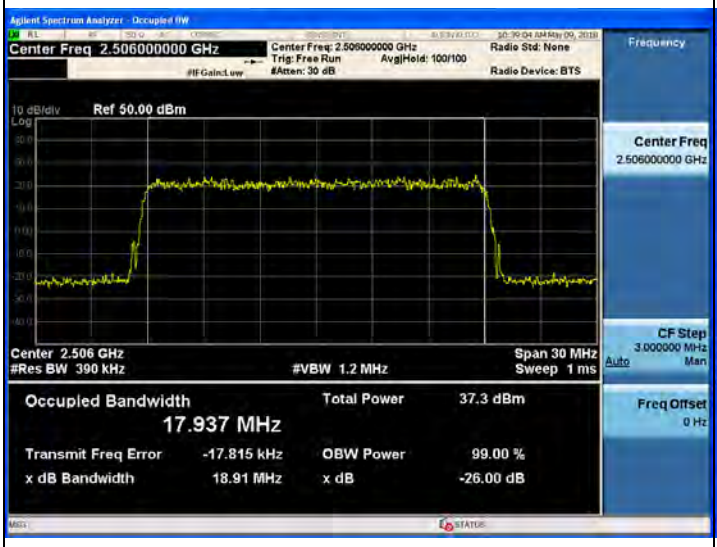
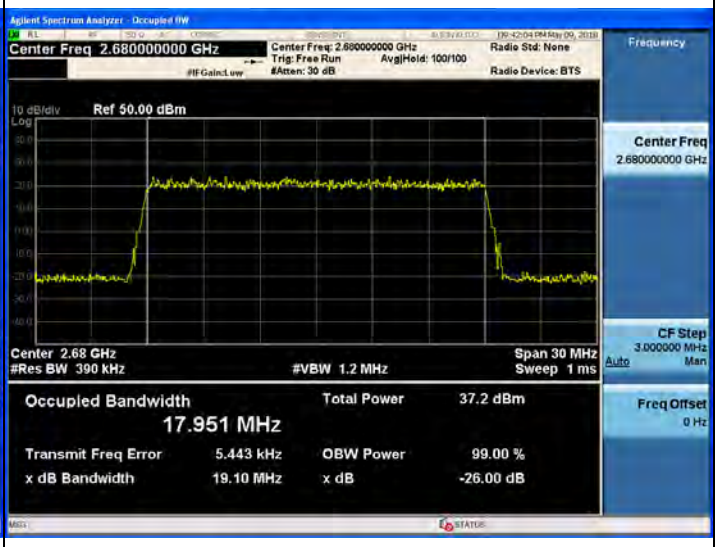
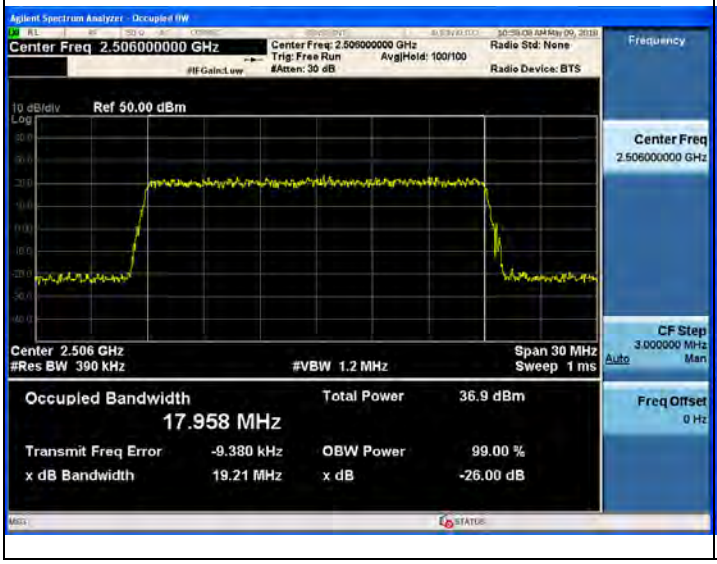
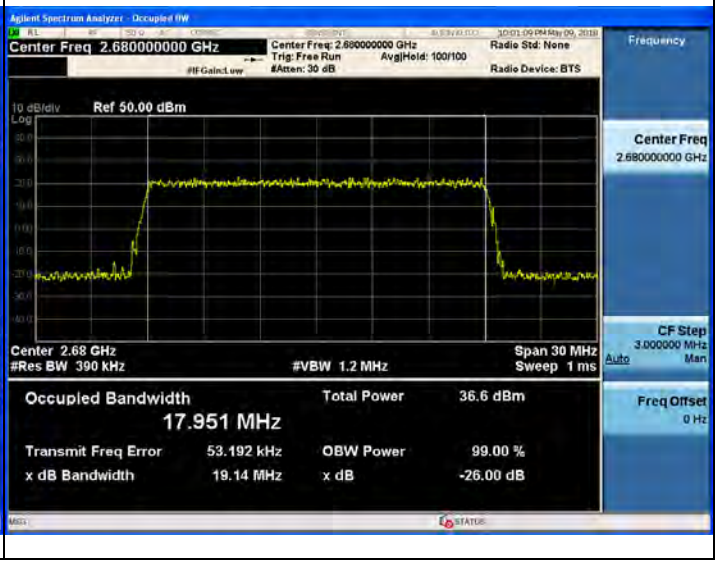
Port 5			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Low**
			

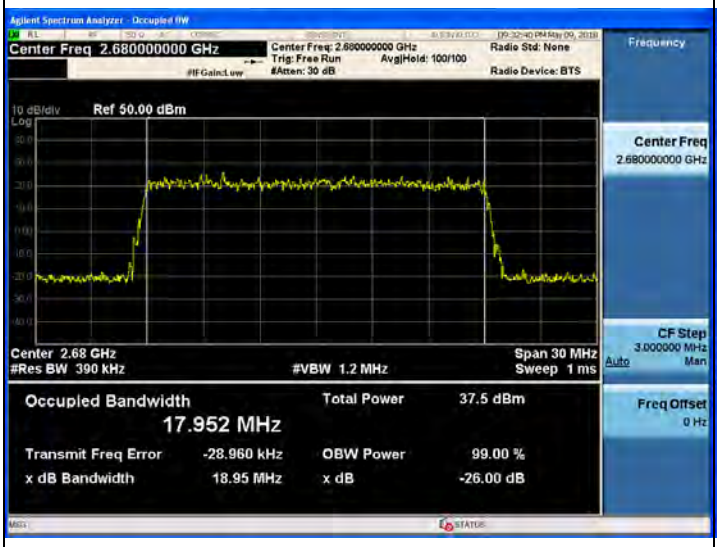
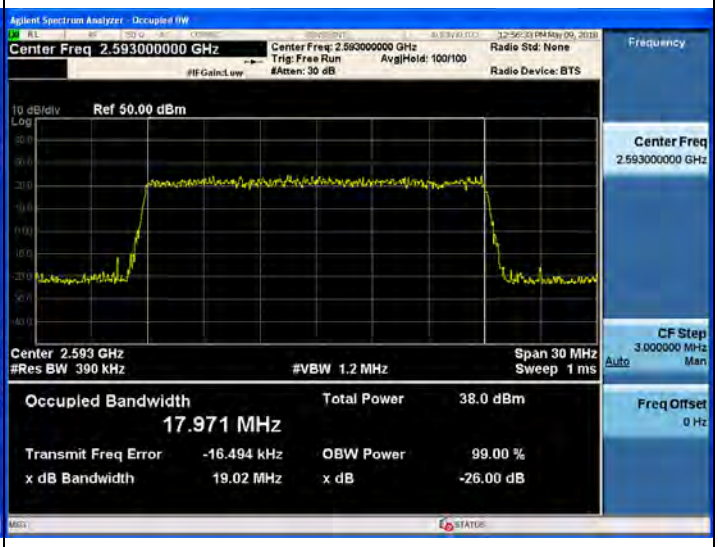
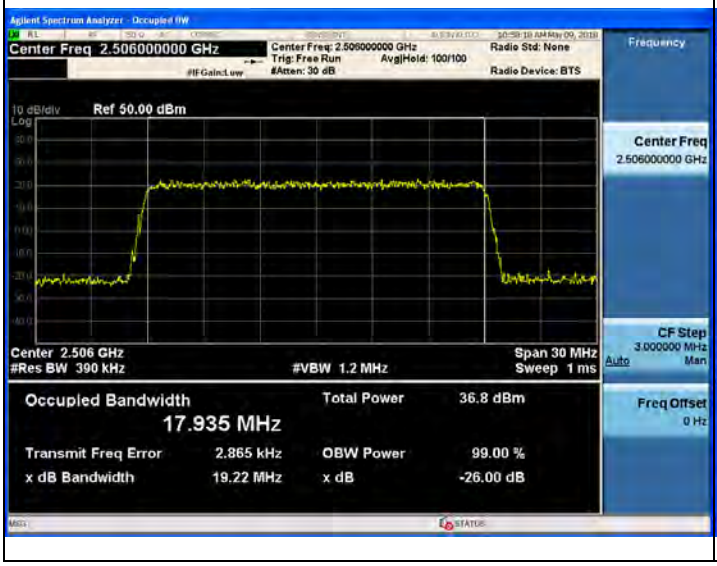
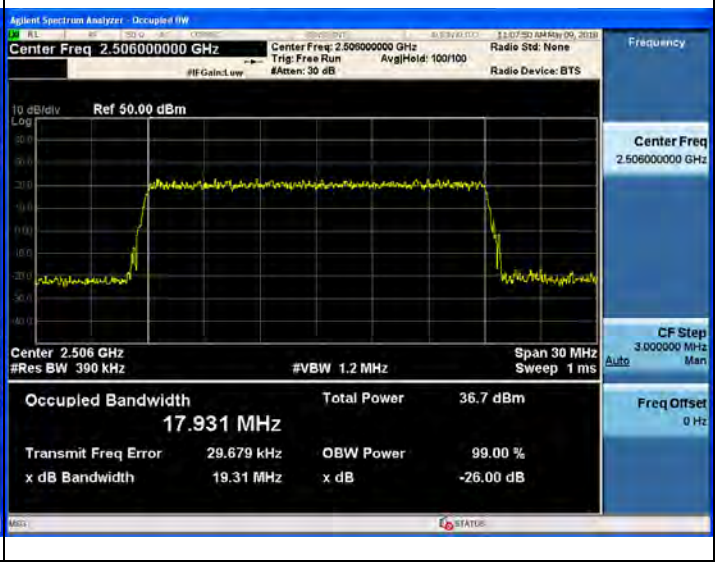
Port 6			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Low**
			

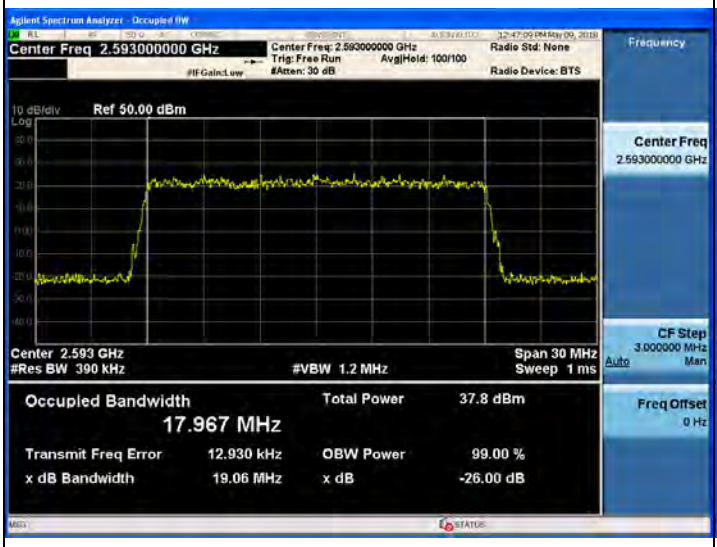
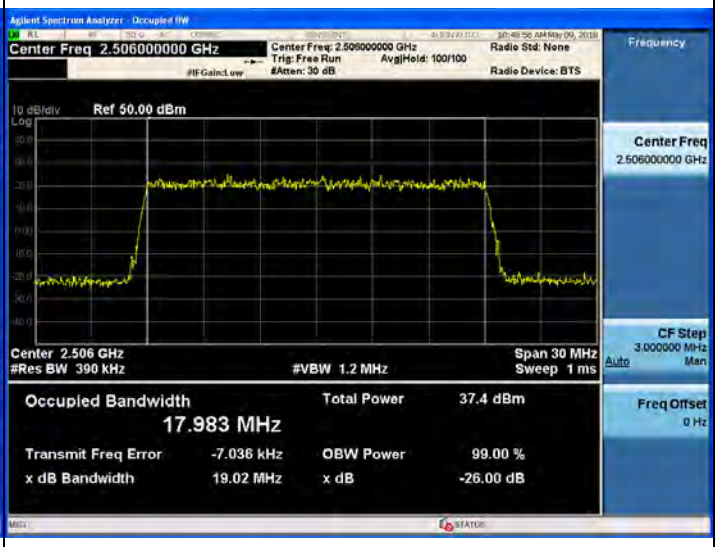
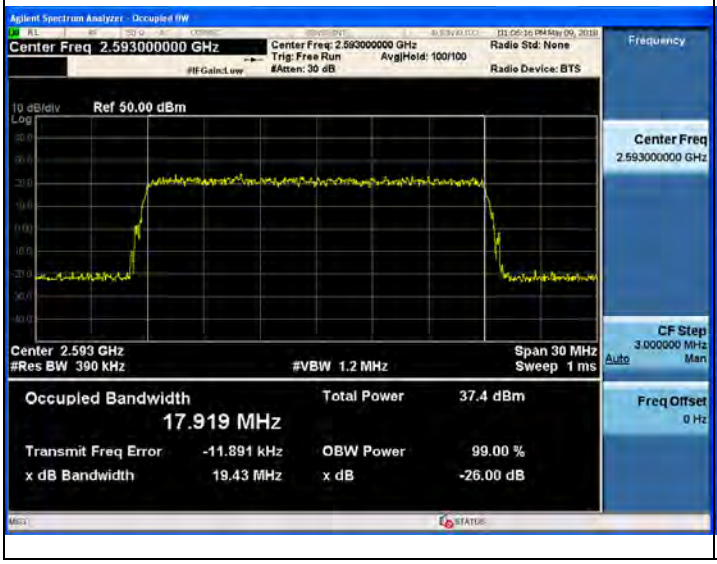
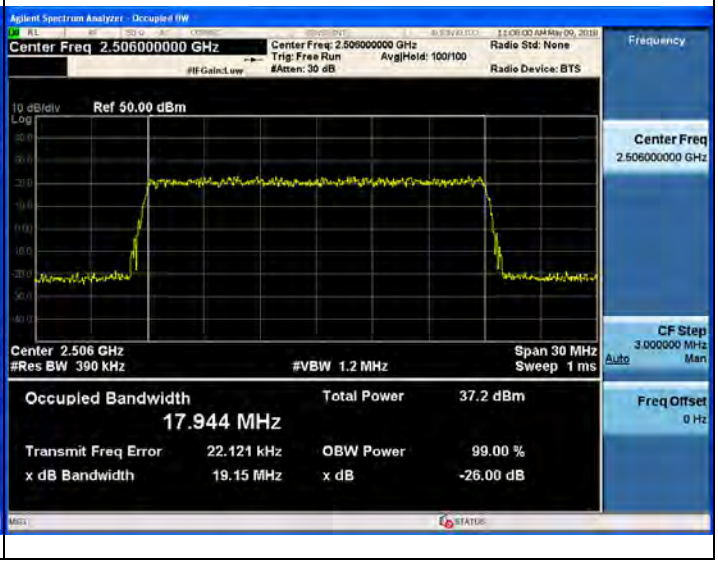
Port 7			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Middle**
			

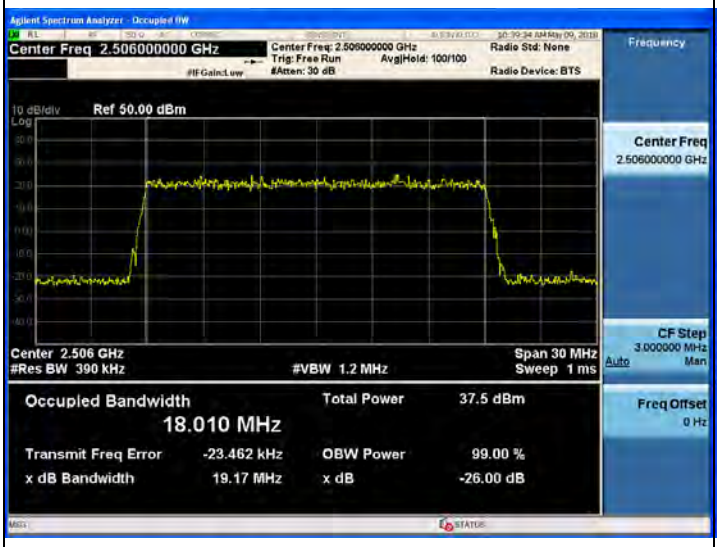
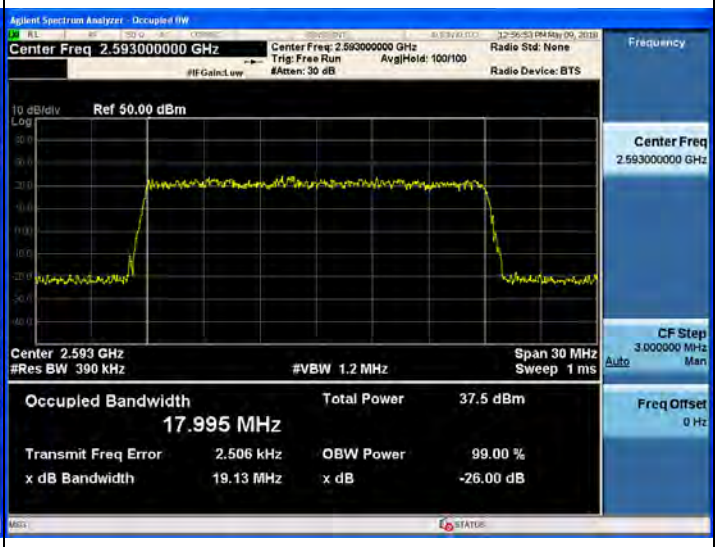
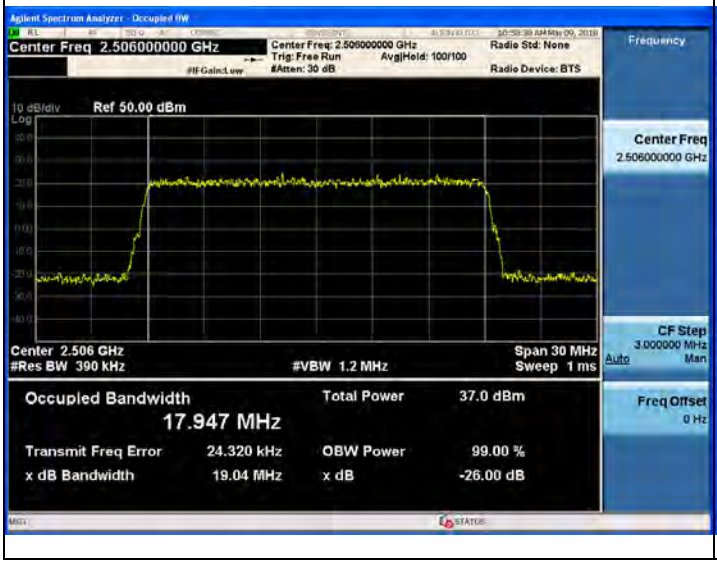
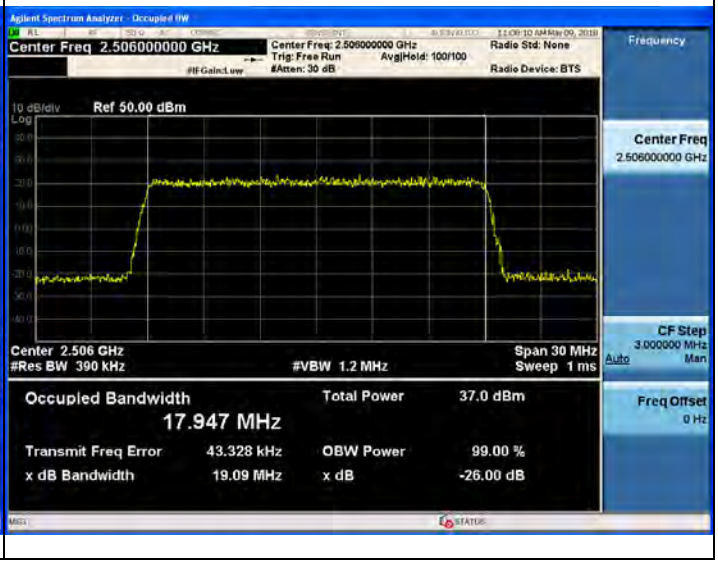
Port 8			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

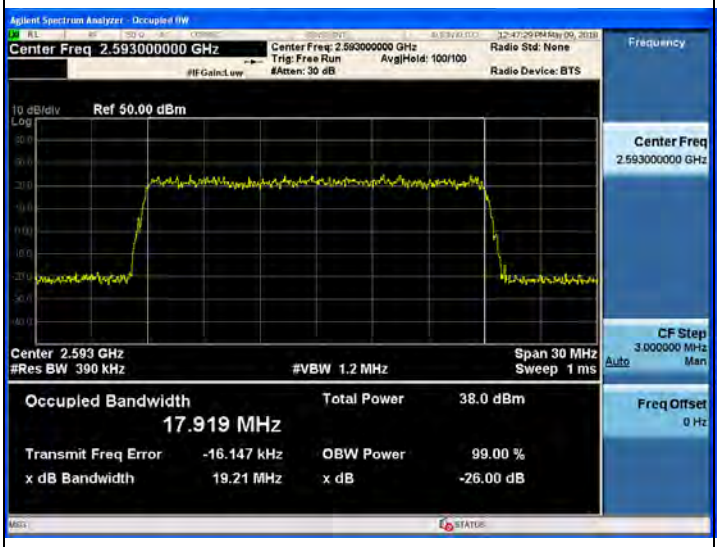
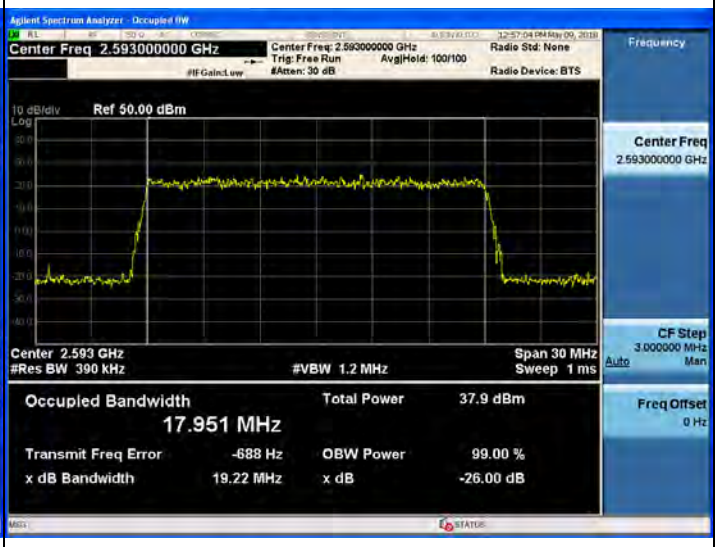
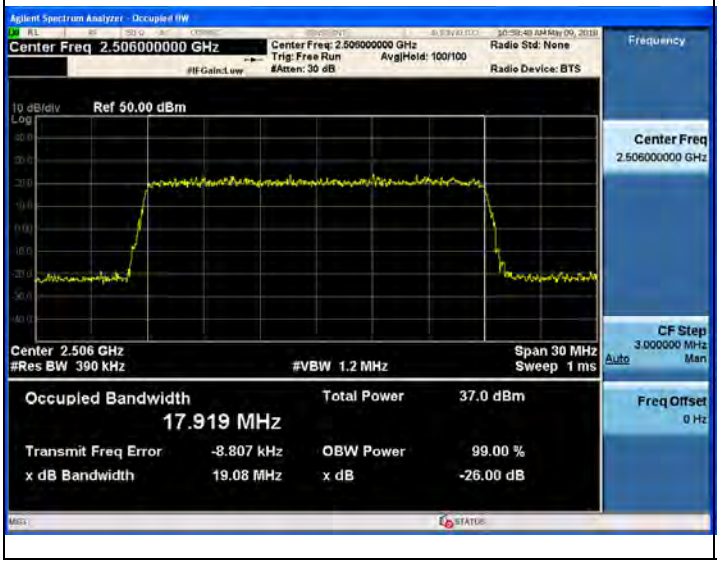
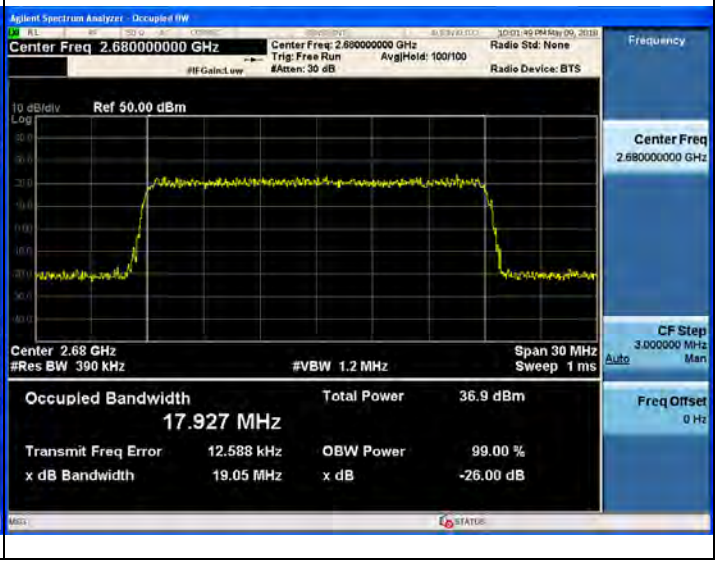
Port 9			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			

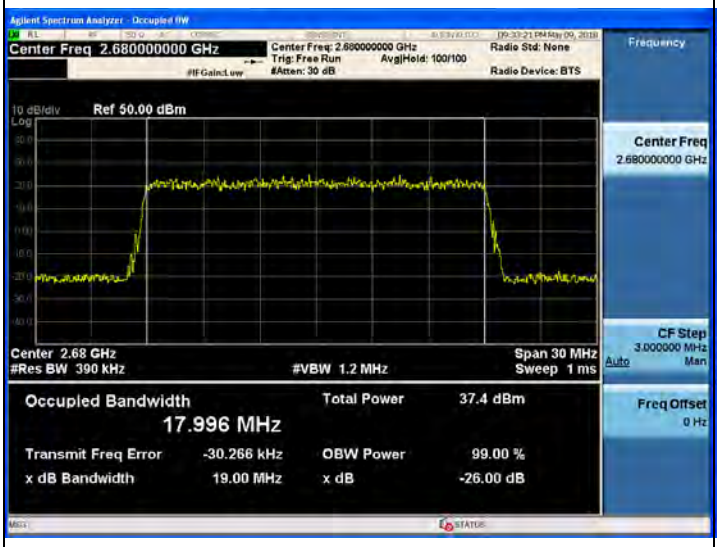
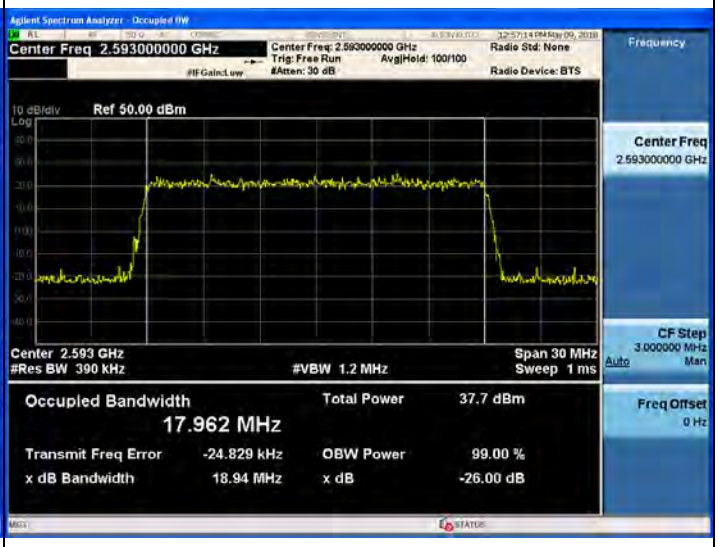
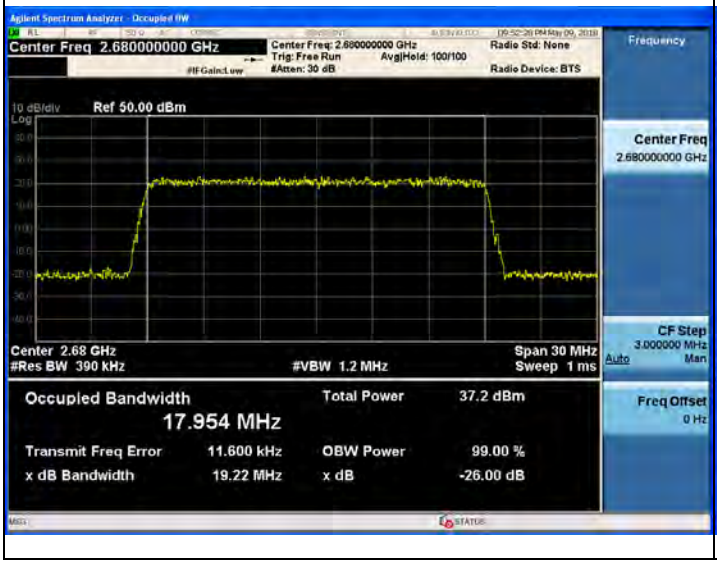
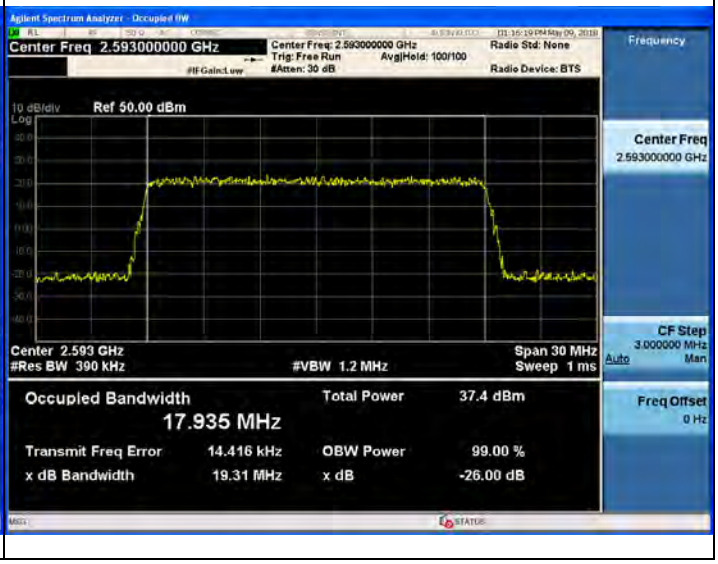
Port 10			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**High**
			

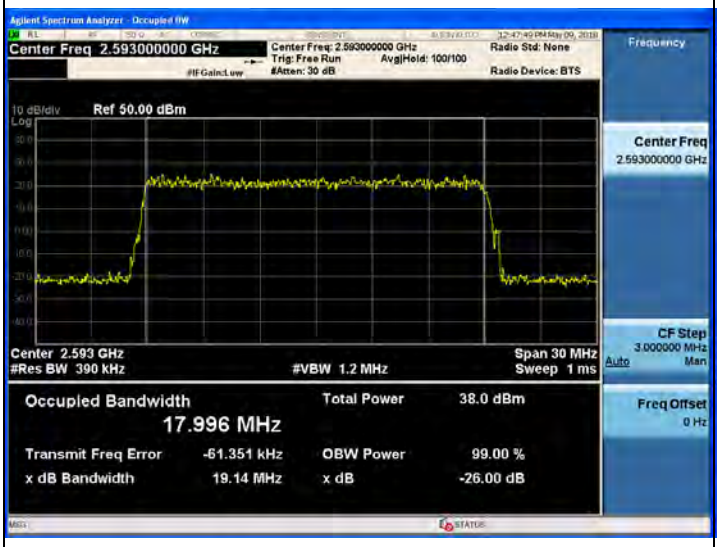
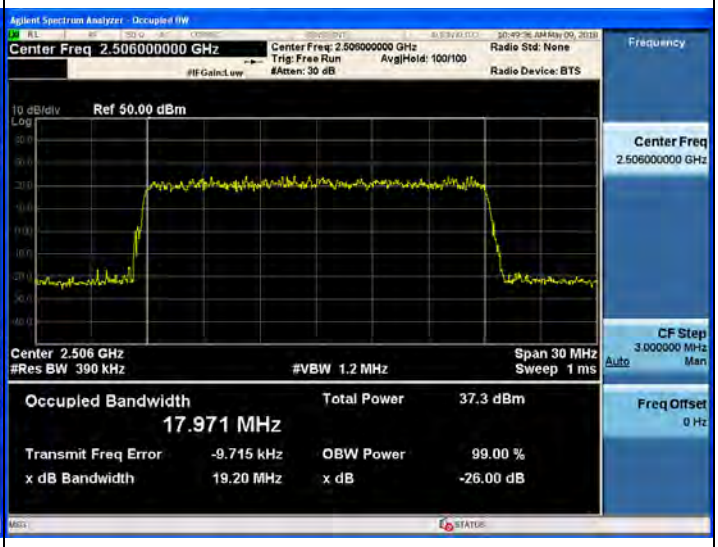
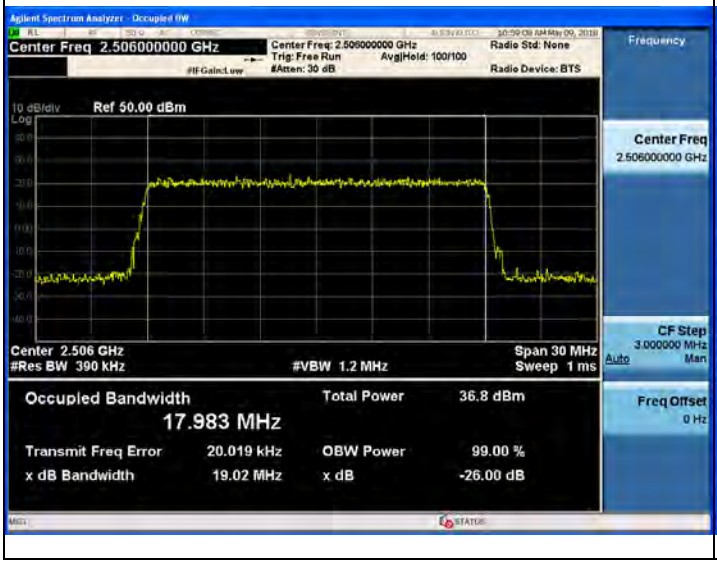
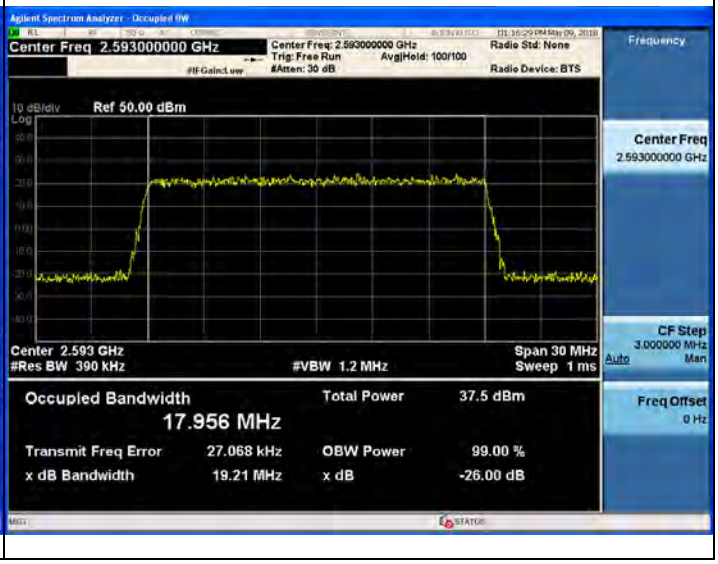
Port 11			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

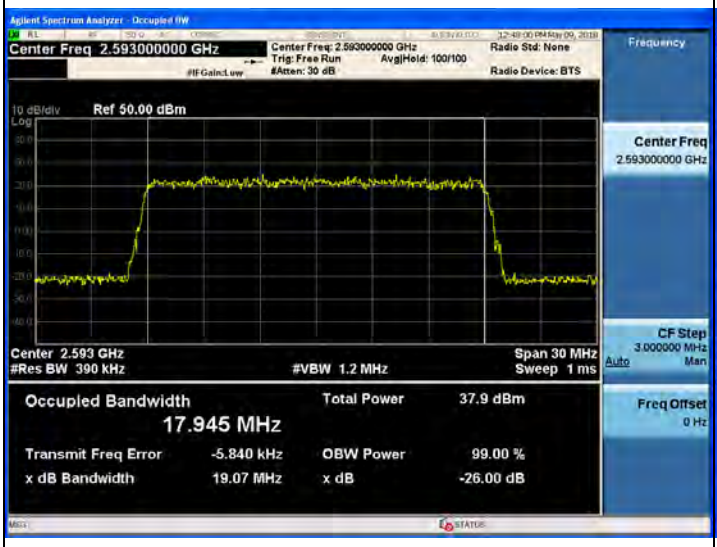
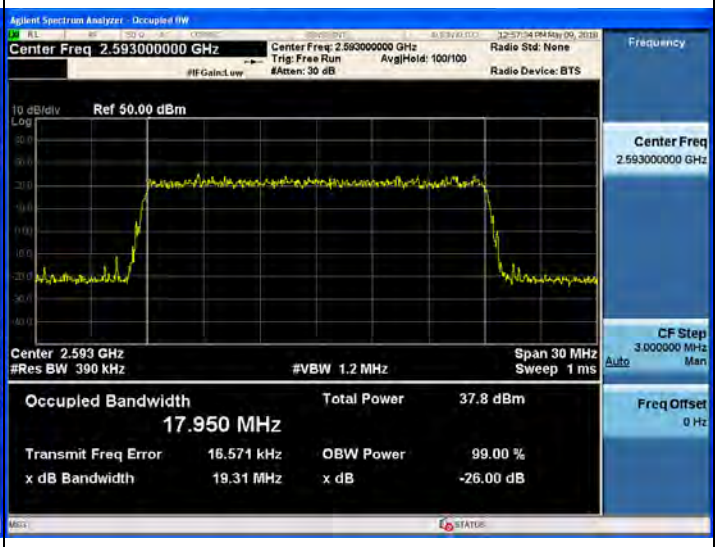
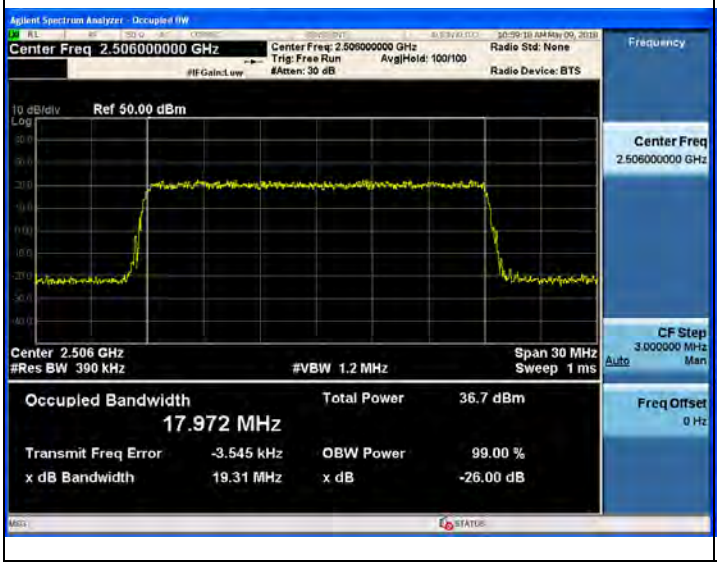
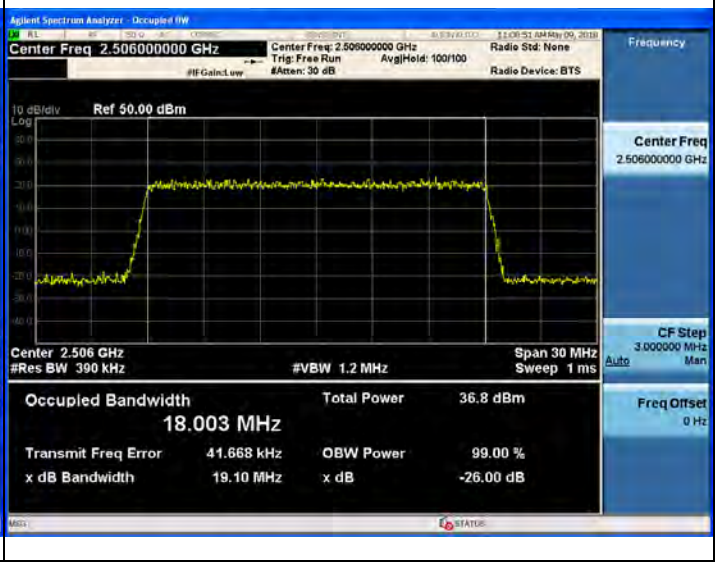
Port 12			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

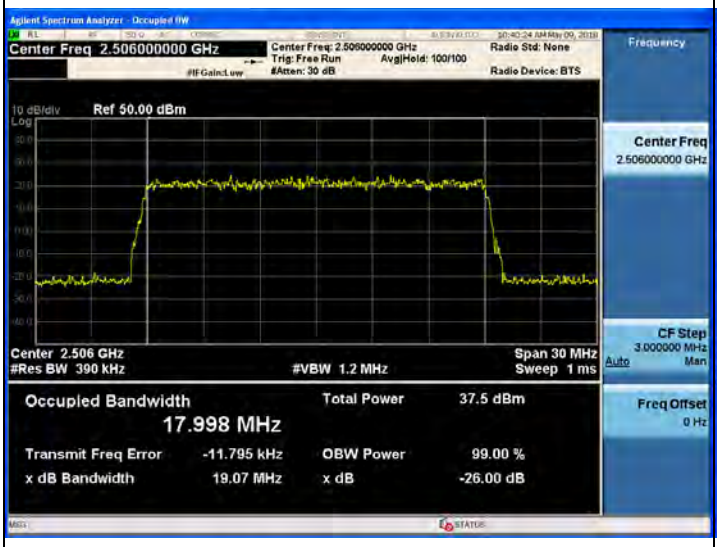
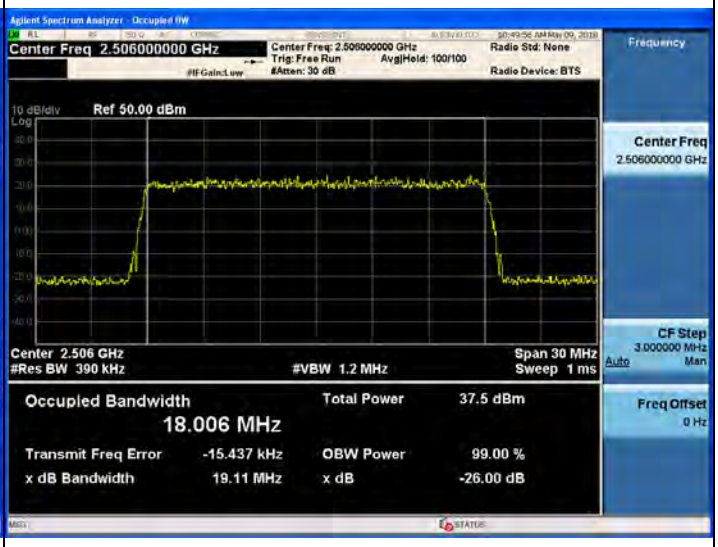
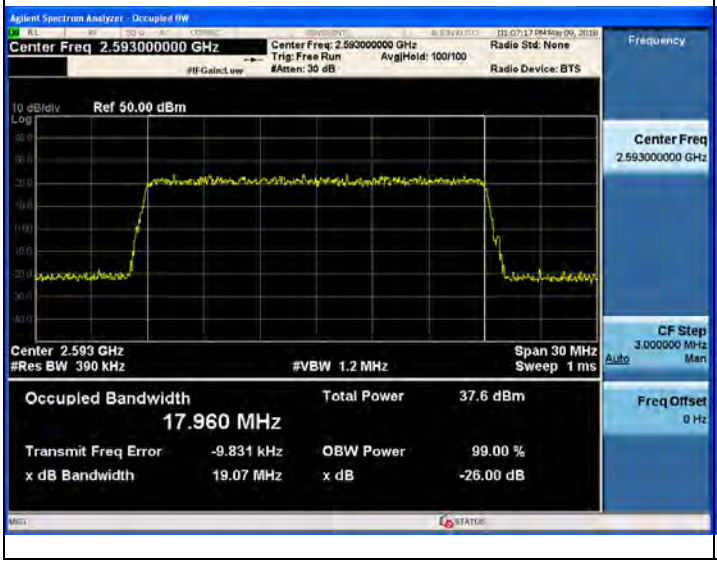
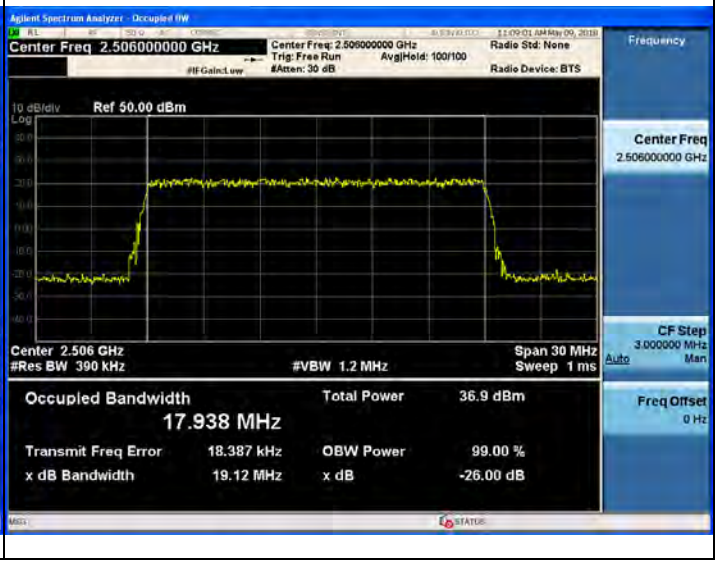
Port 13			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

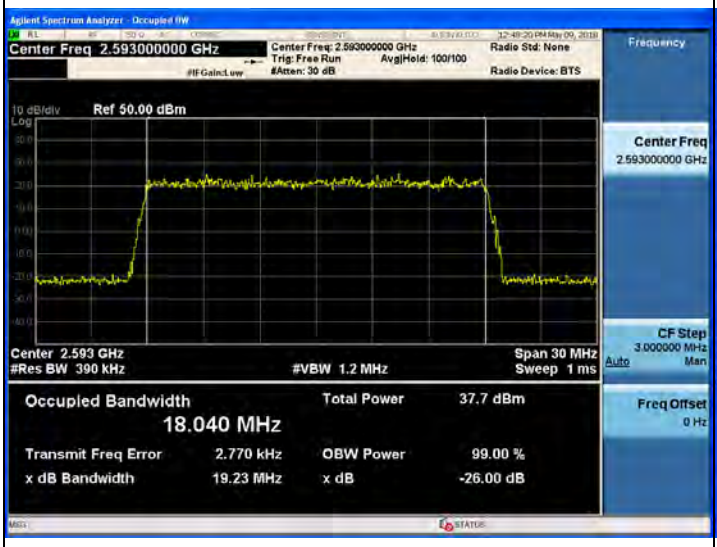
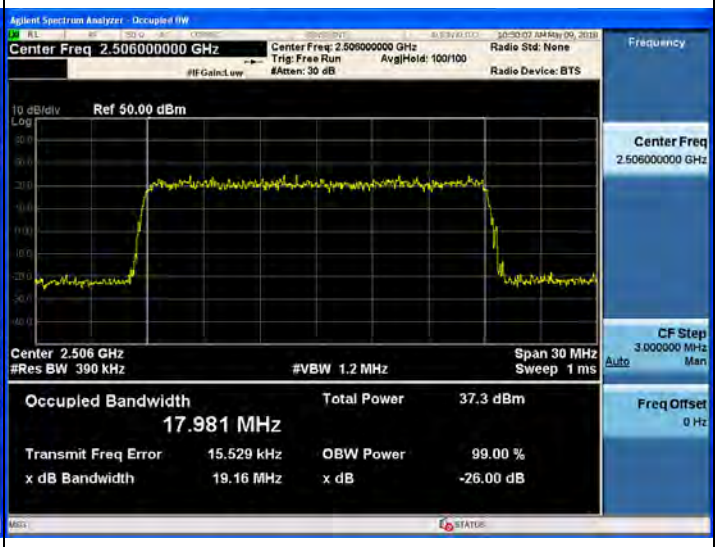
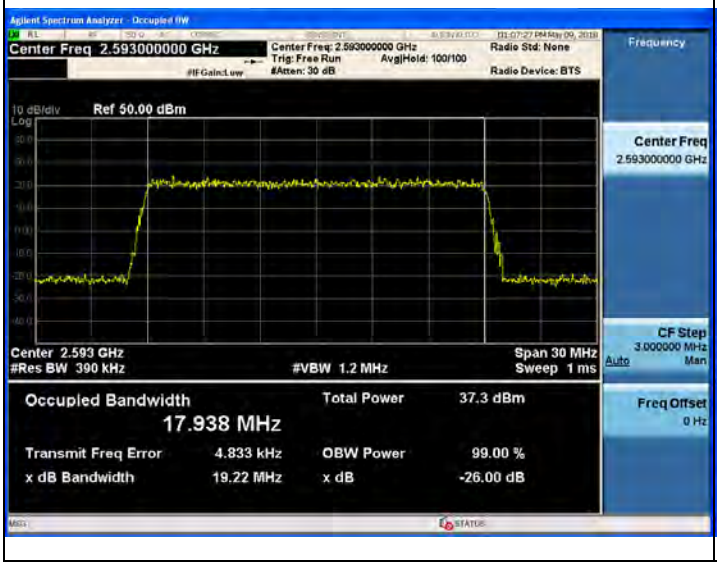
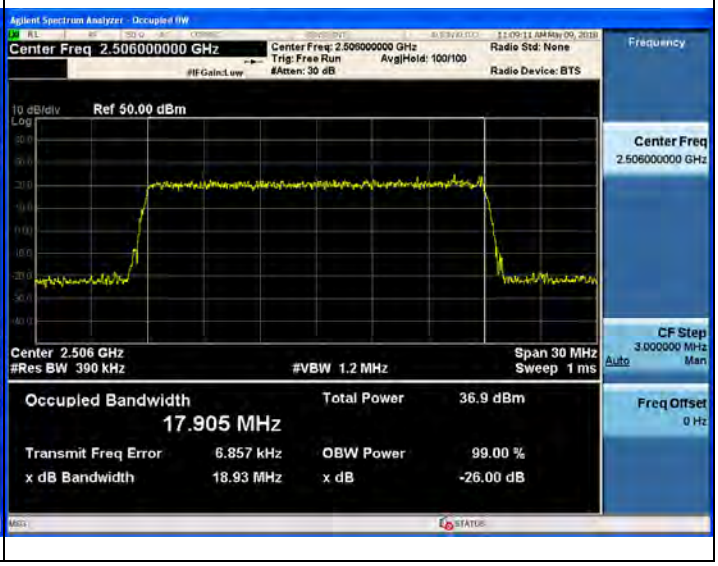
Port 14			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**High**
			

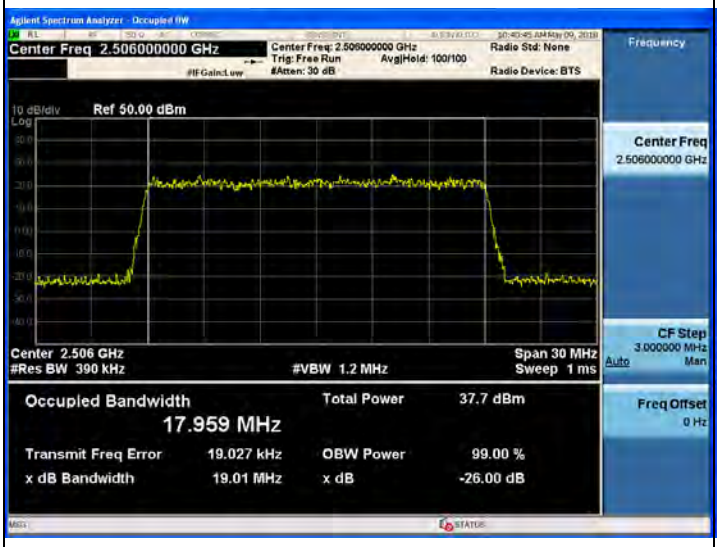
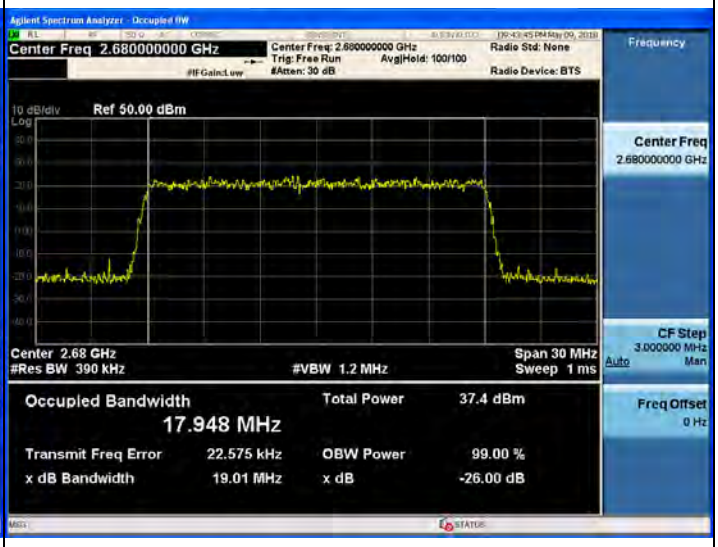
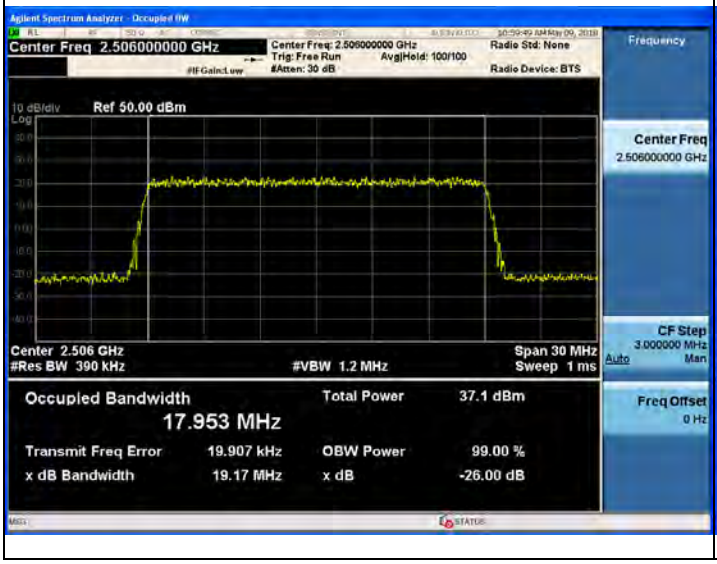
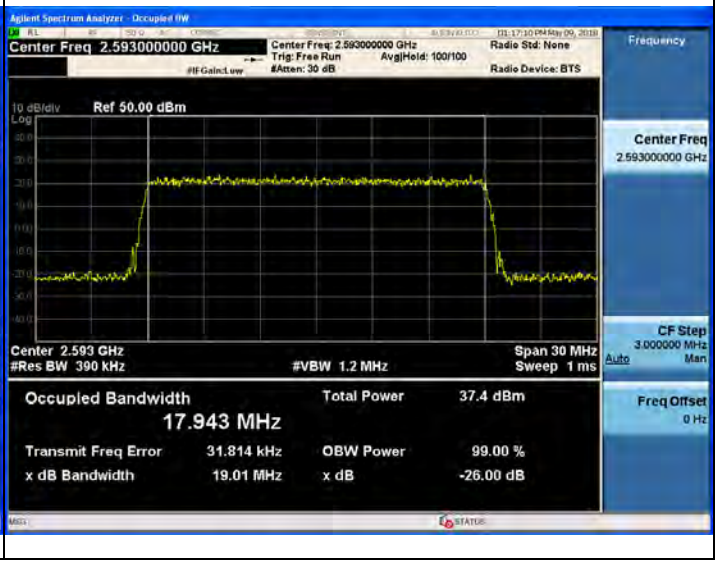
Port 15			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

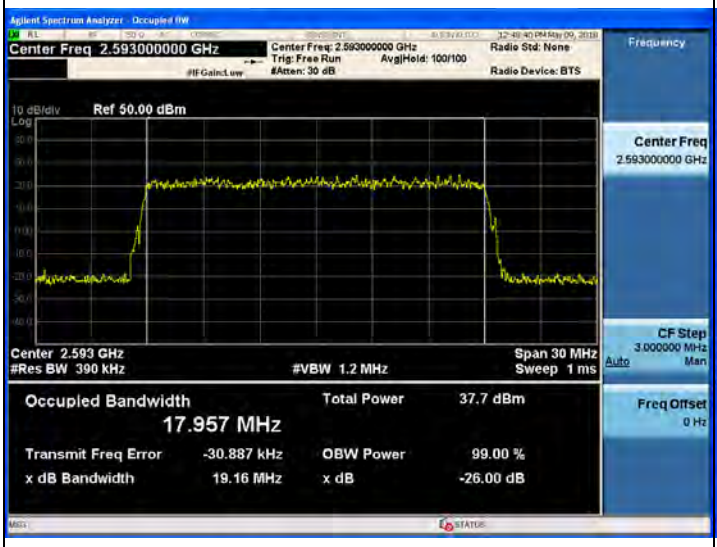
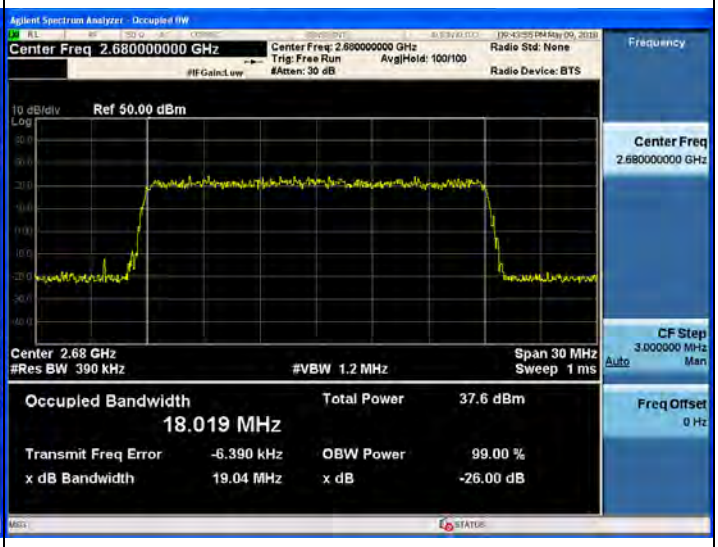
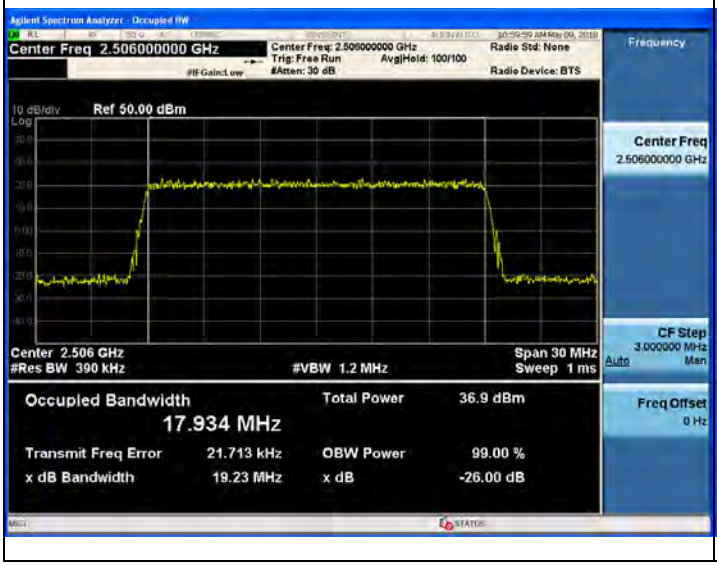
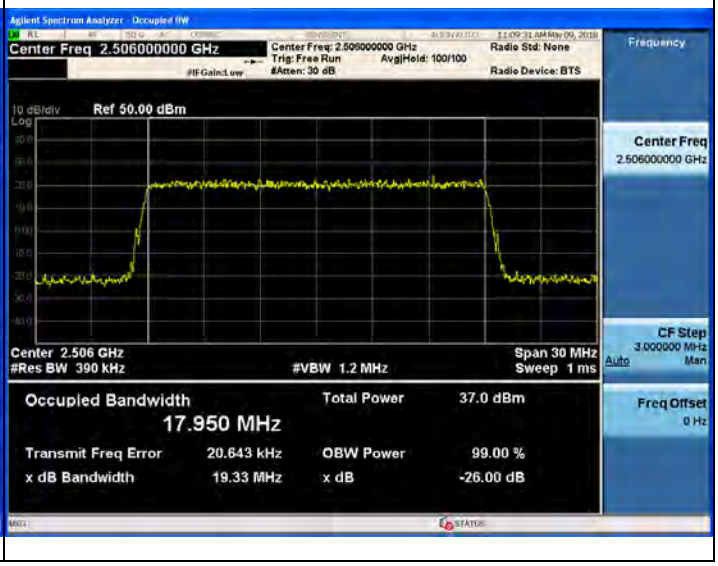
Port 16			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Middle**
			

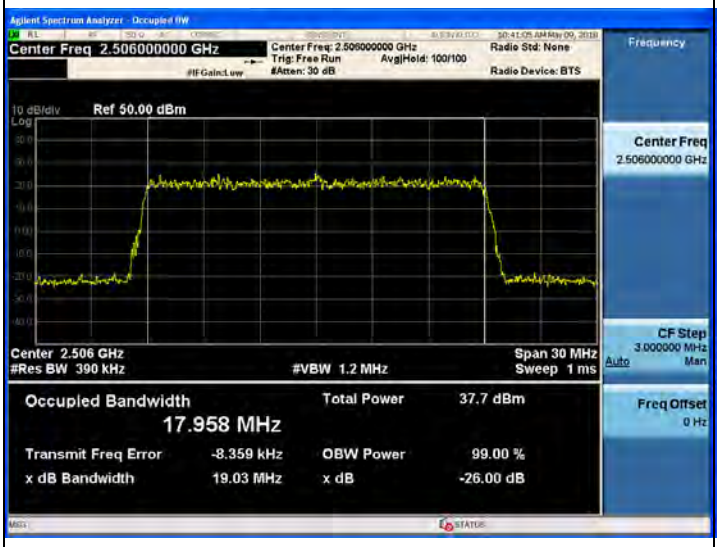
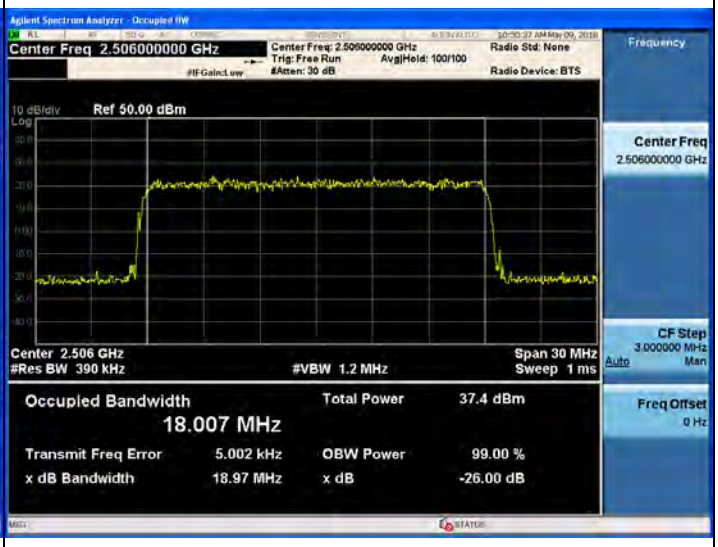
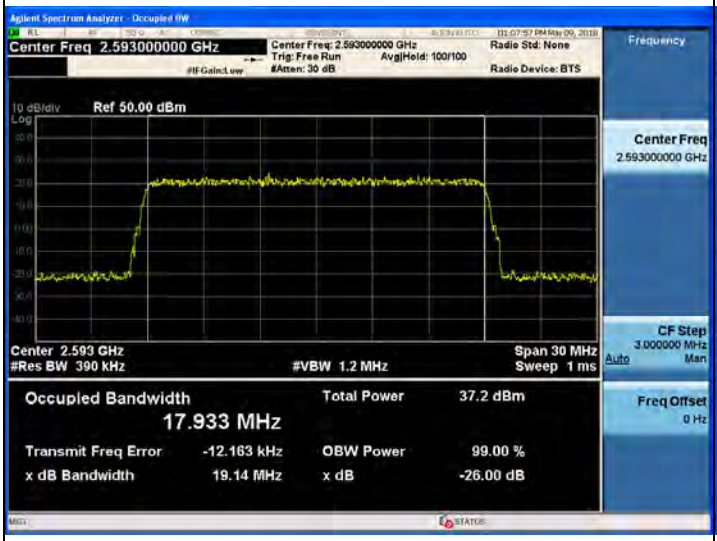
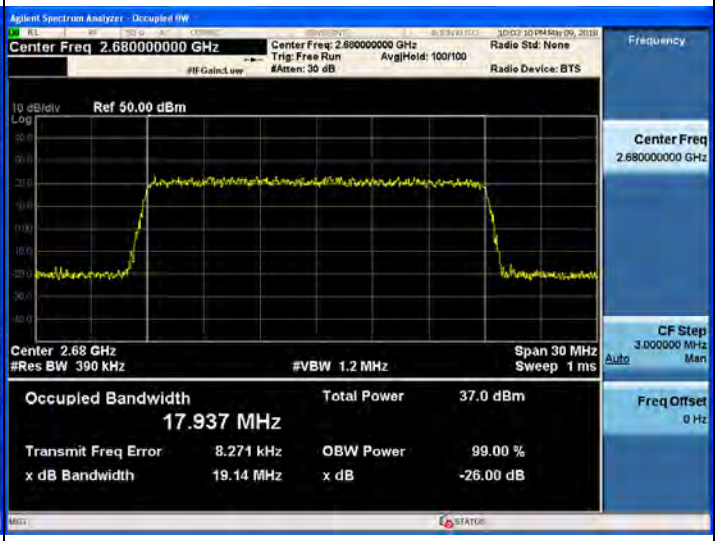
Port 17			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

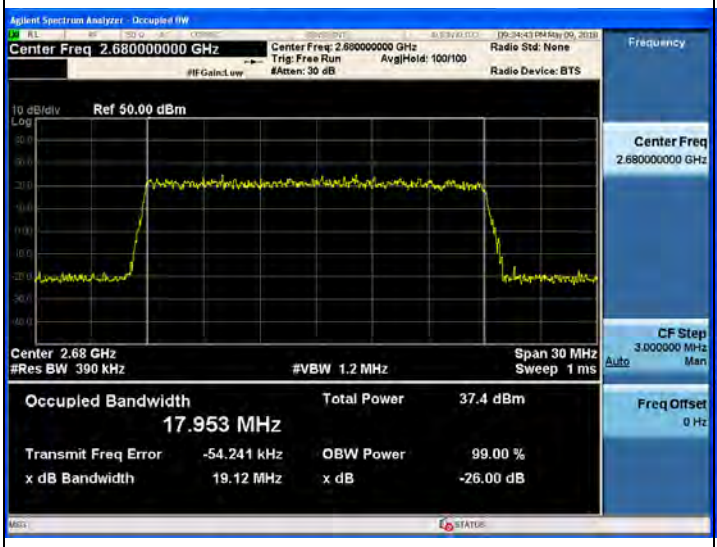
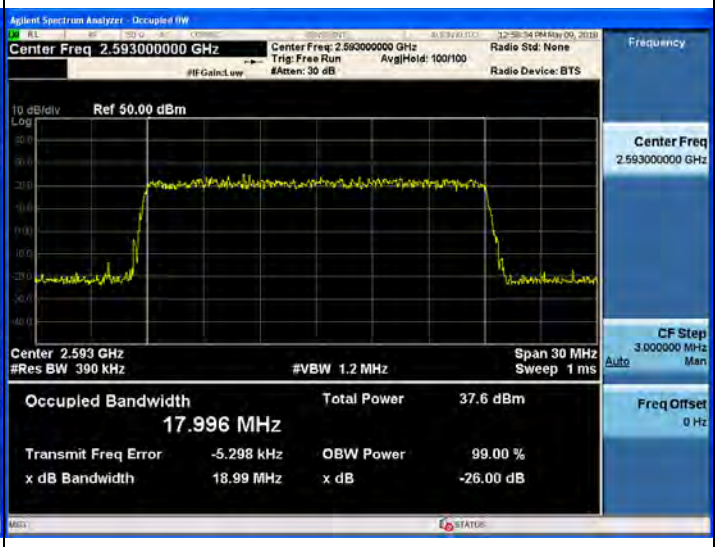
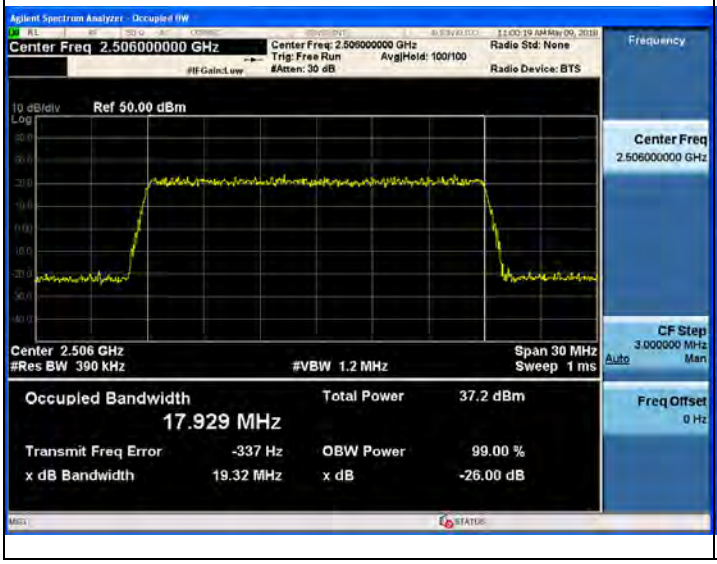
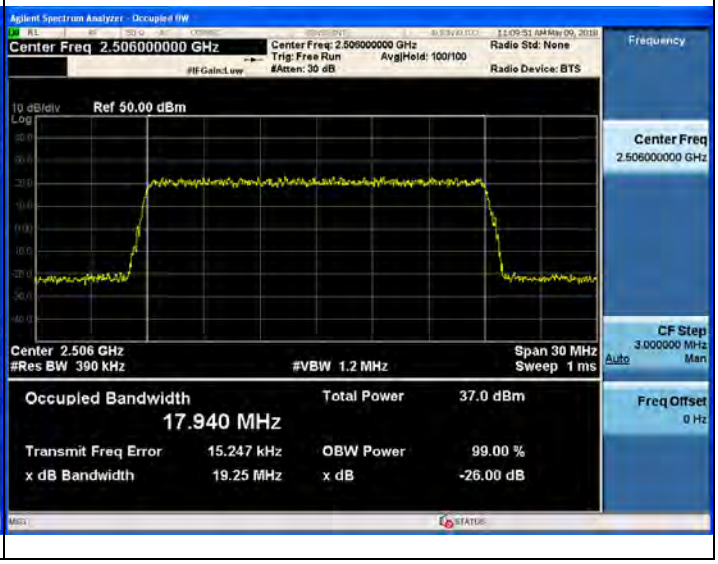
Port 18			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

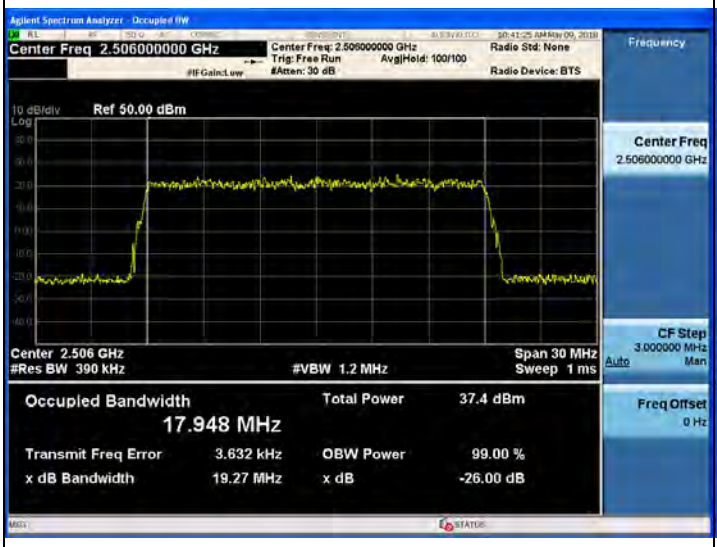
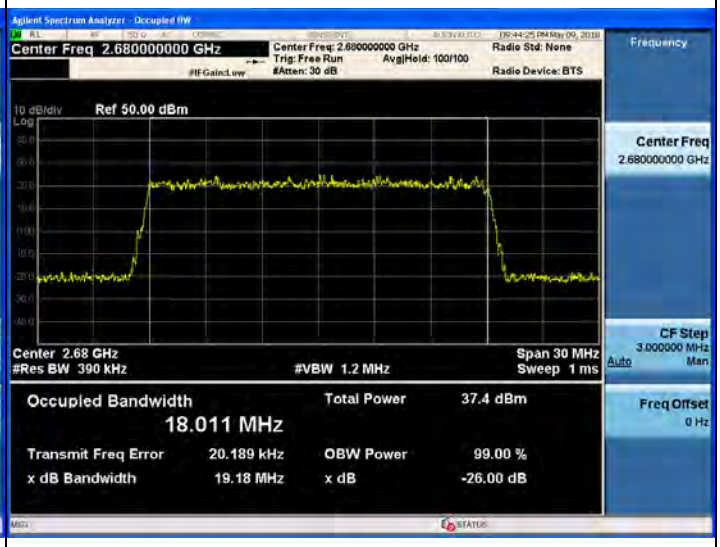
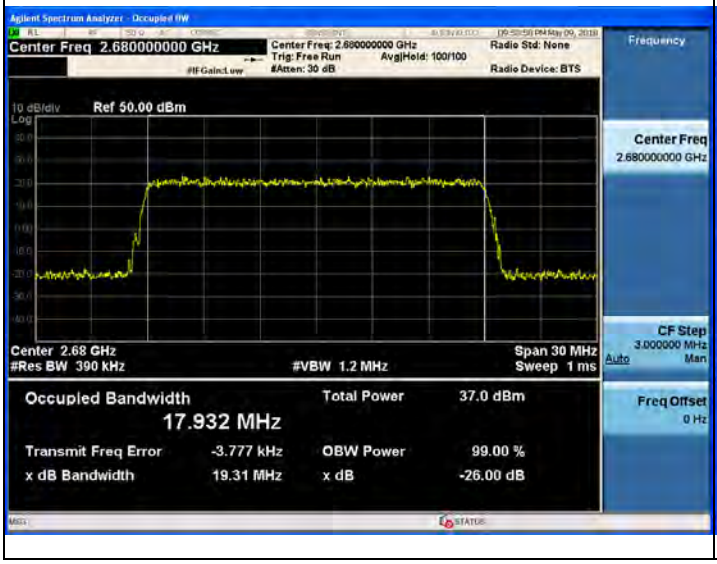
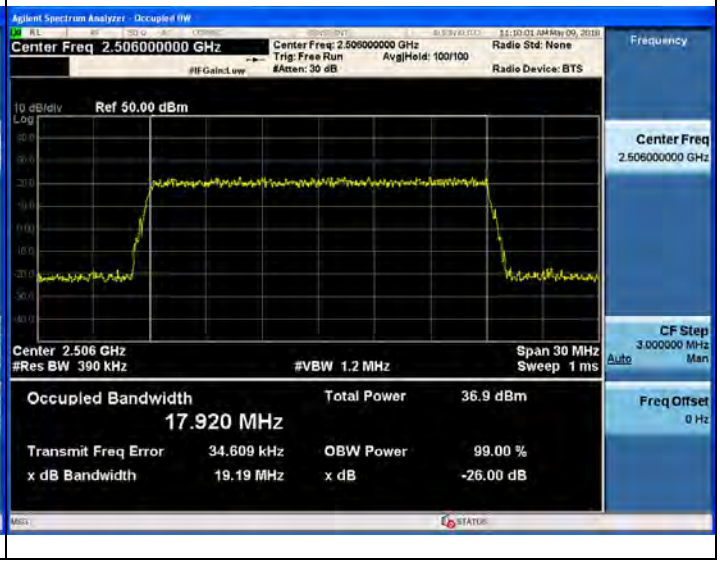
Port 19			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

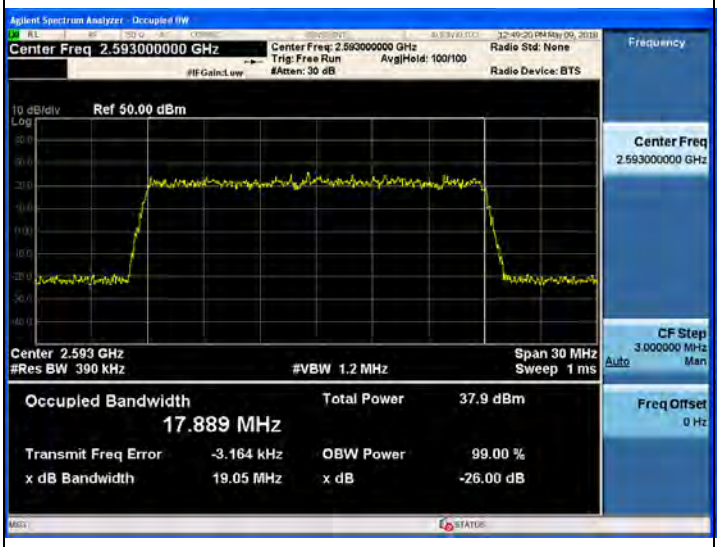
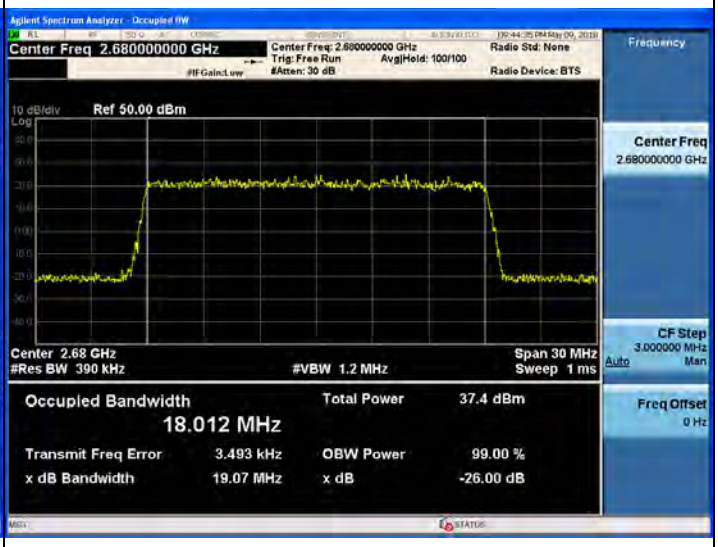
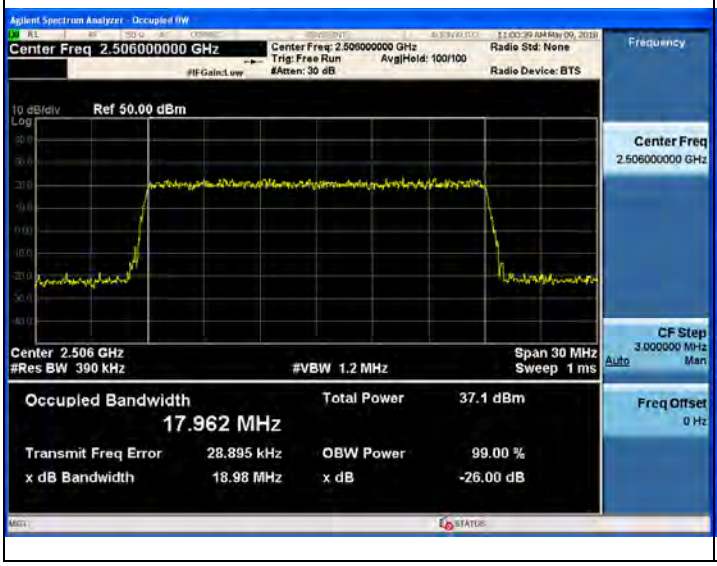
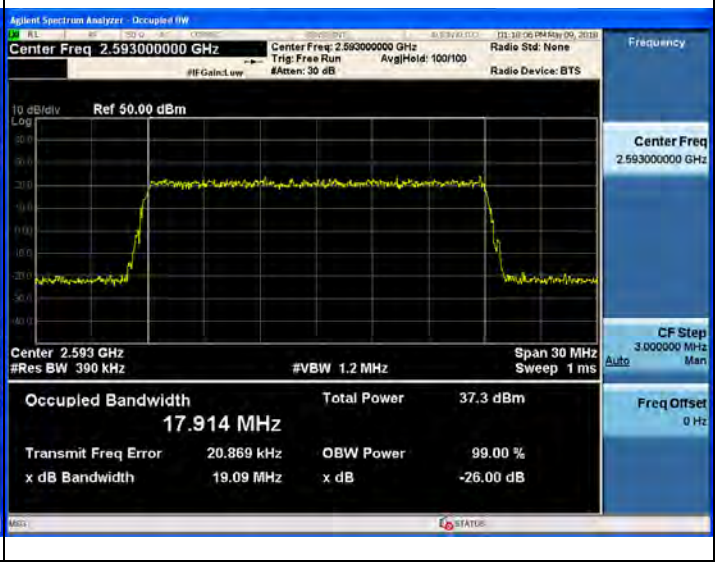
Port 20			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Middle**
			

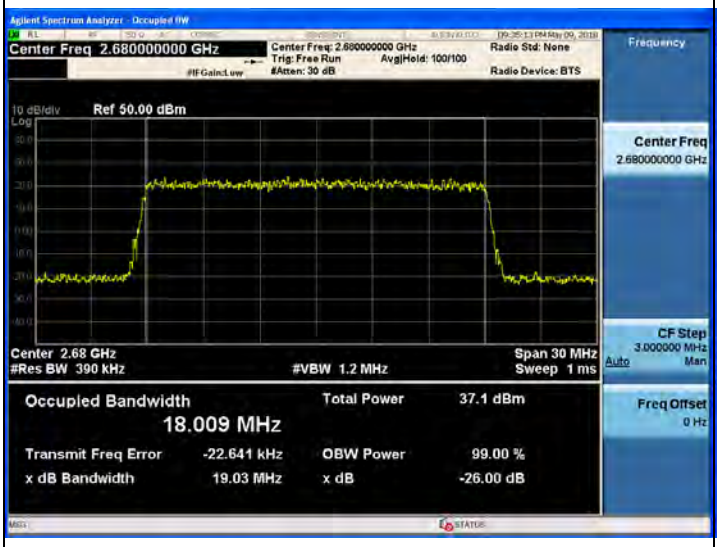
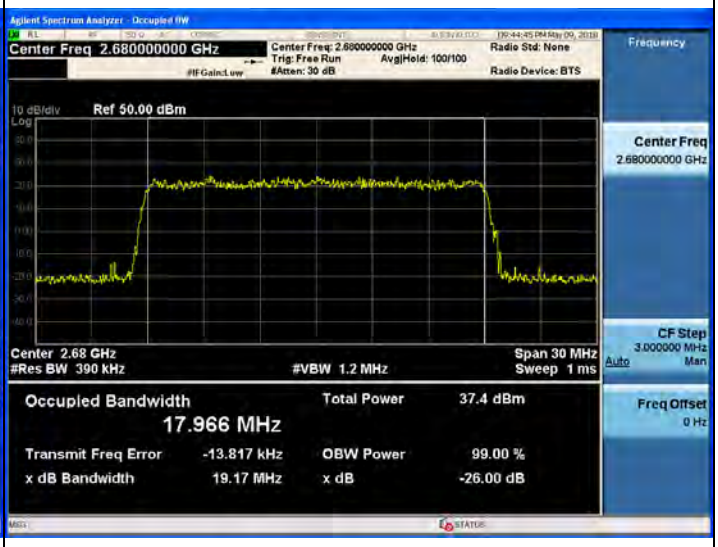
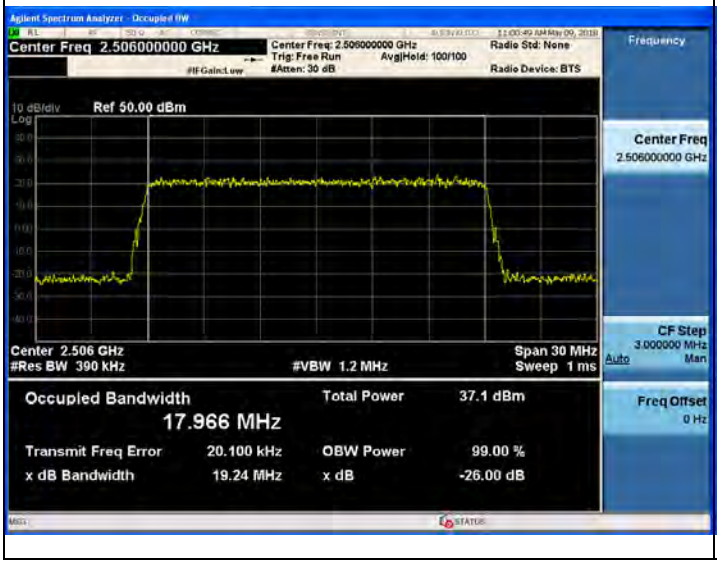
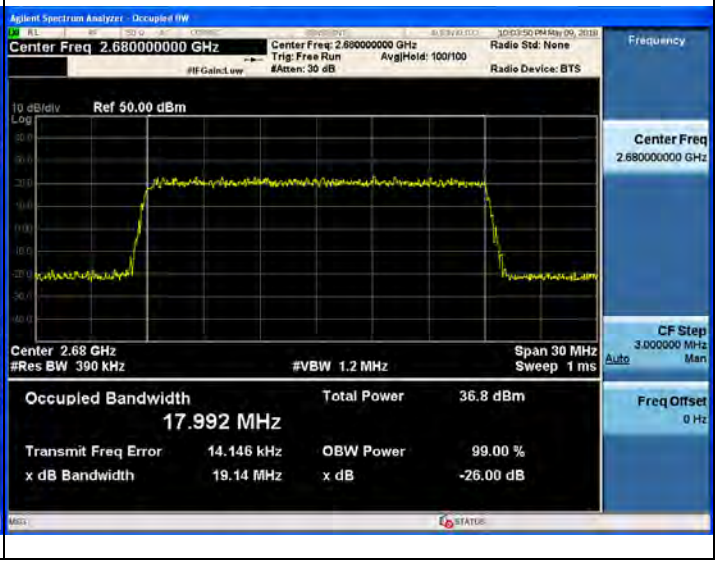
Port 21			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

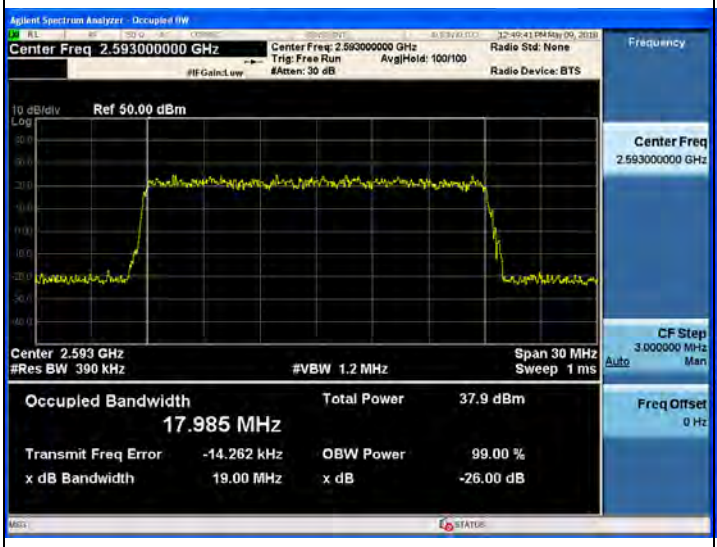
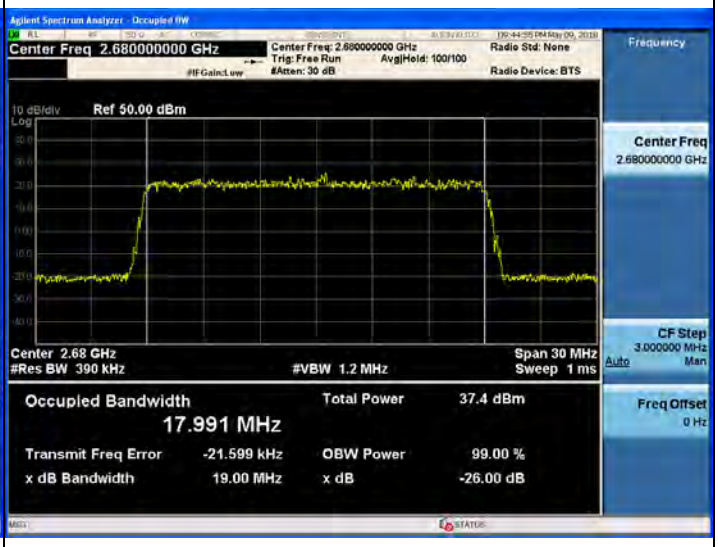
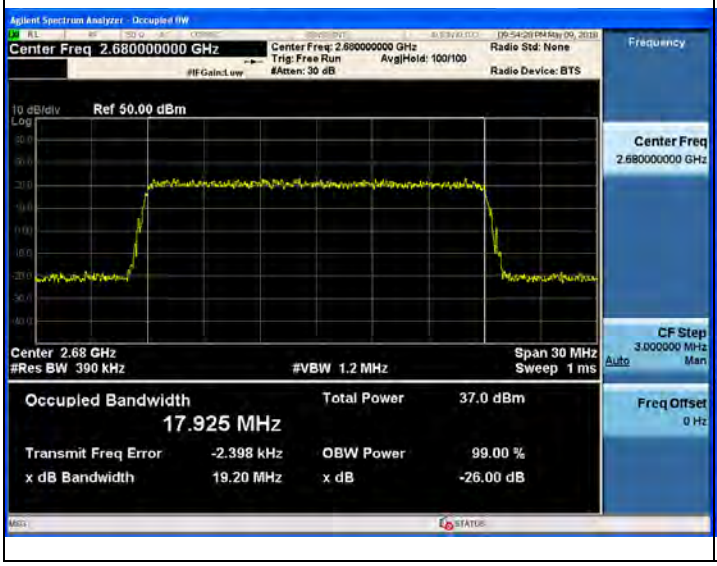
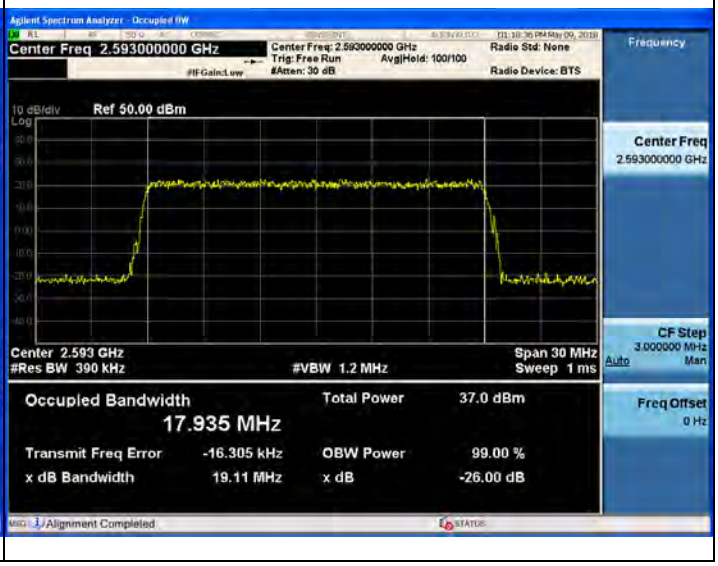
Port 22			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**High**
			

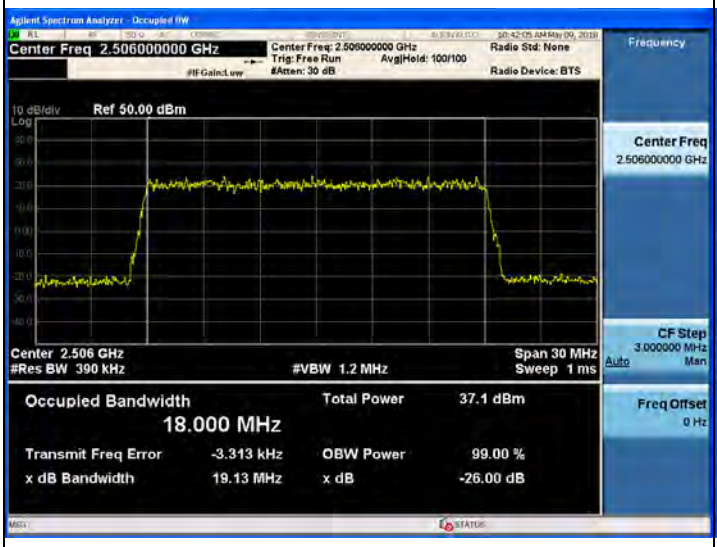
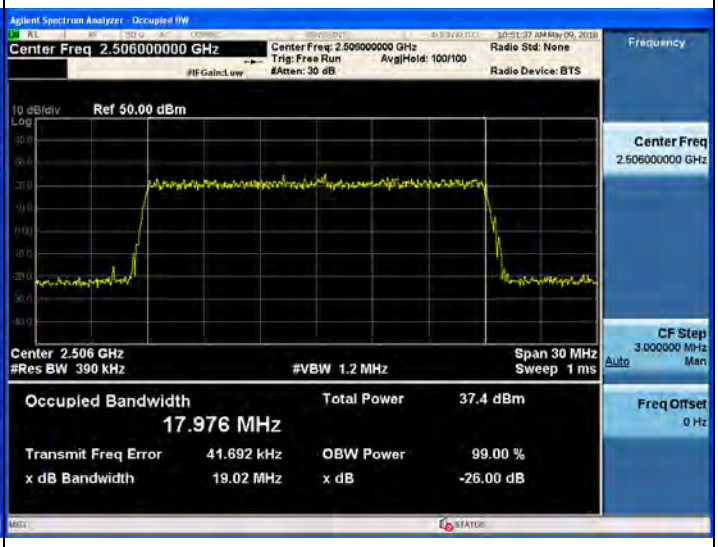
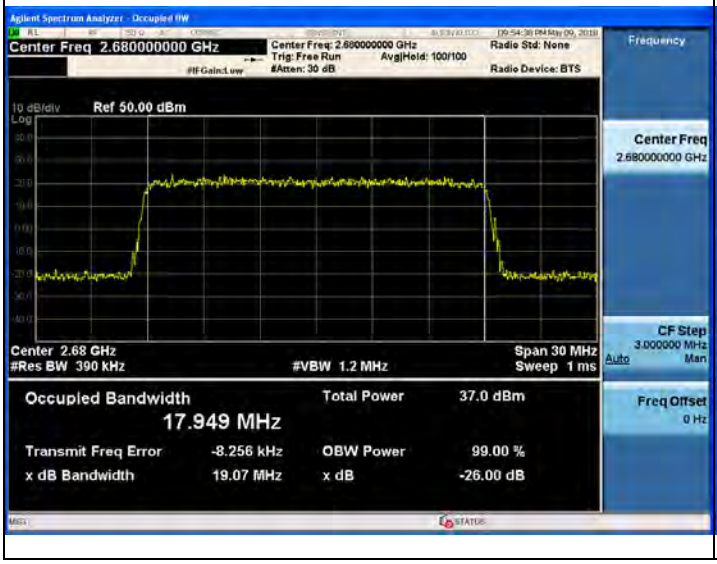
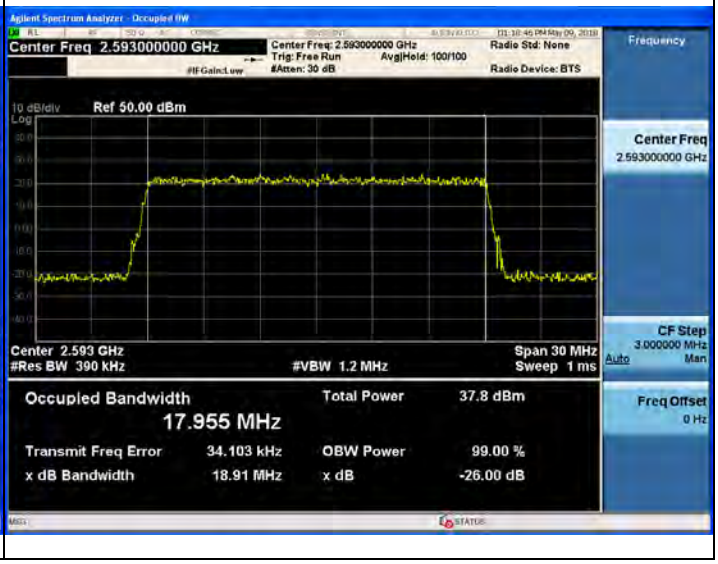
Port 23			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

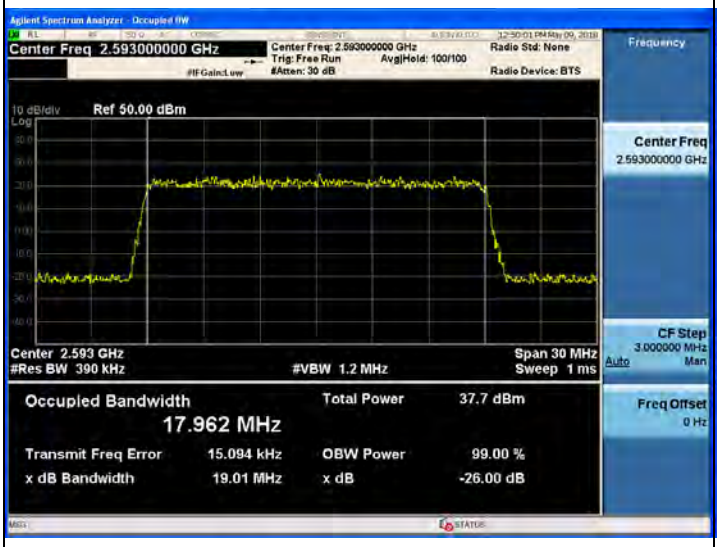
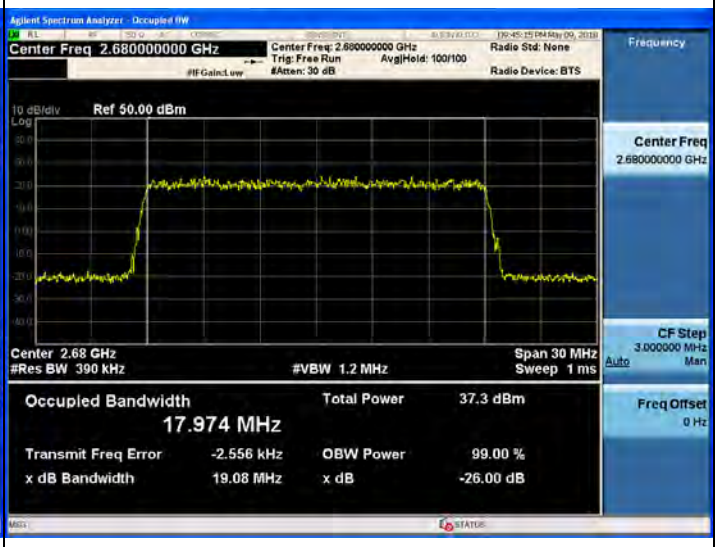
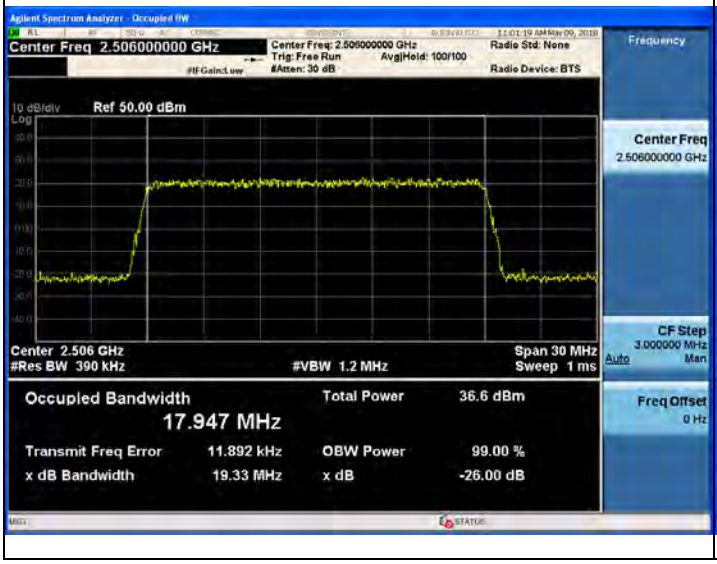
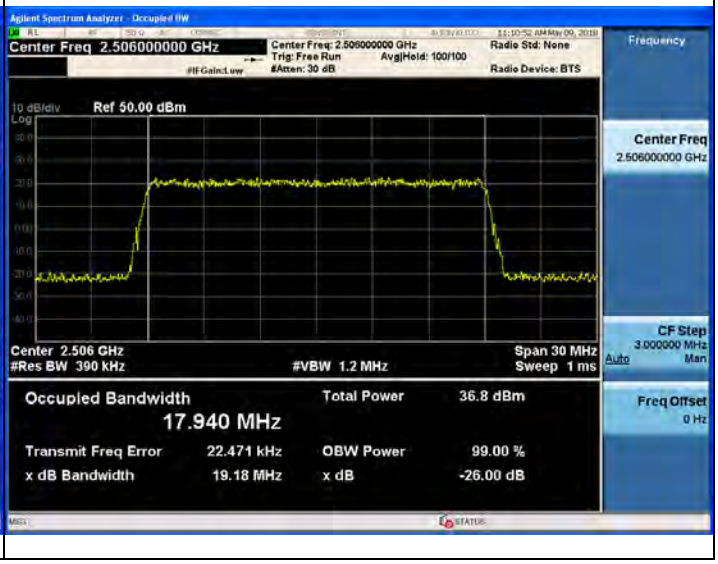
Port 24			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Low**
			

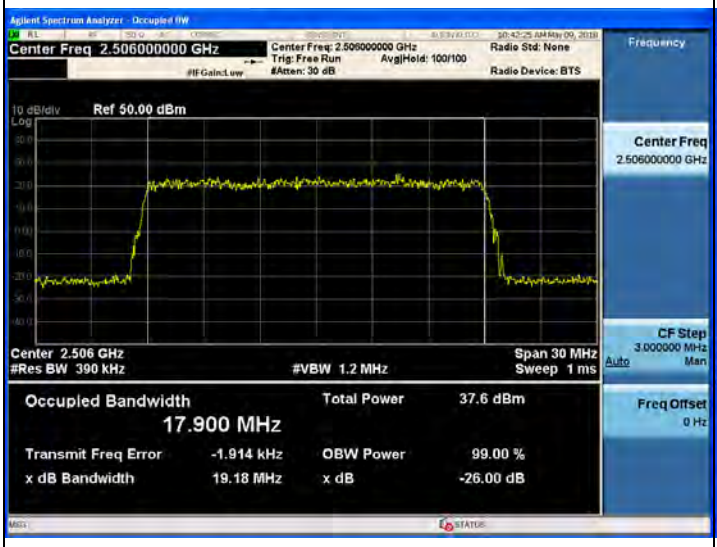
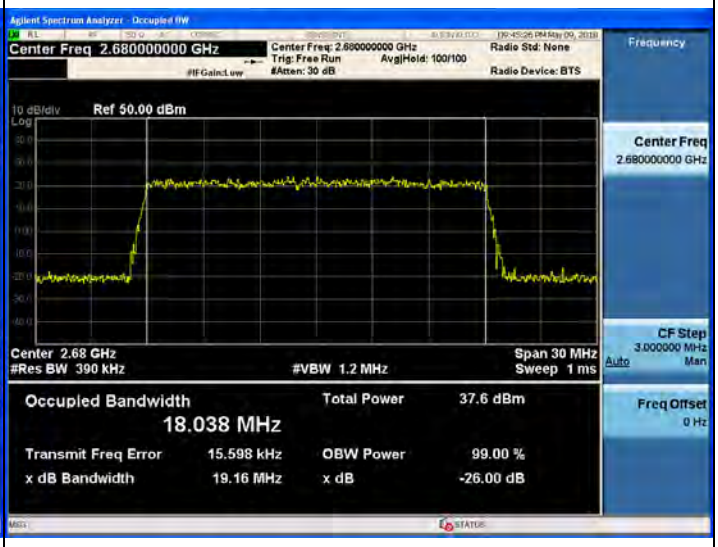
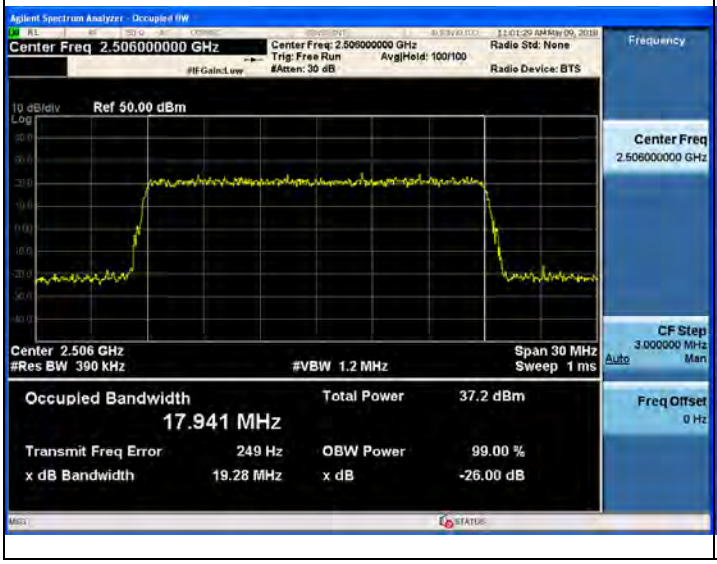
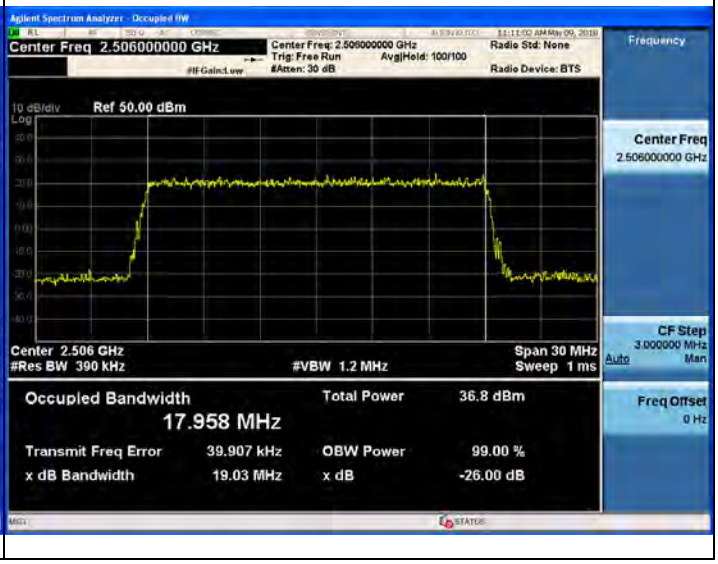
Port 25			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Middle**
			

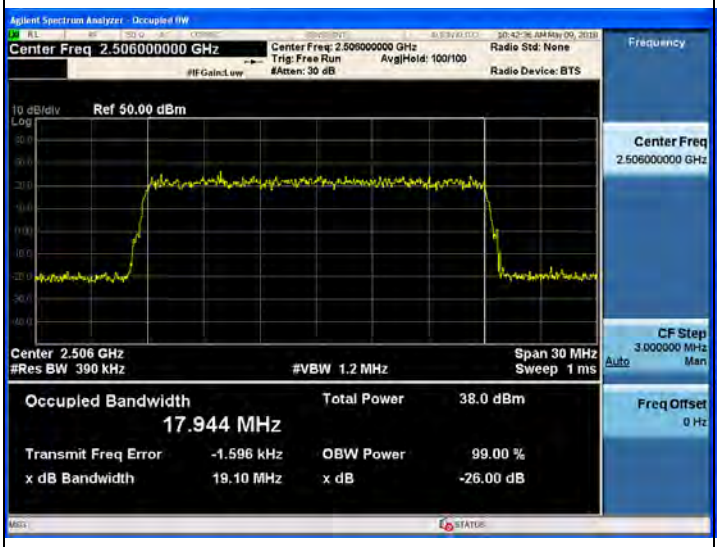
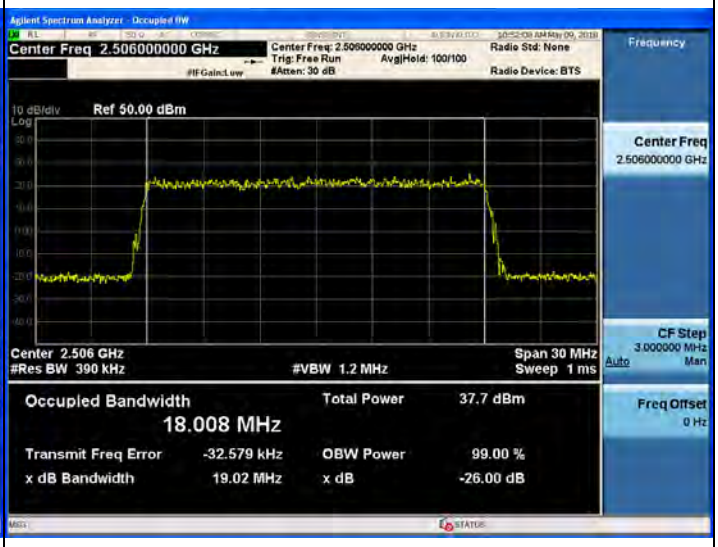
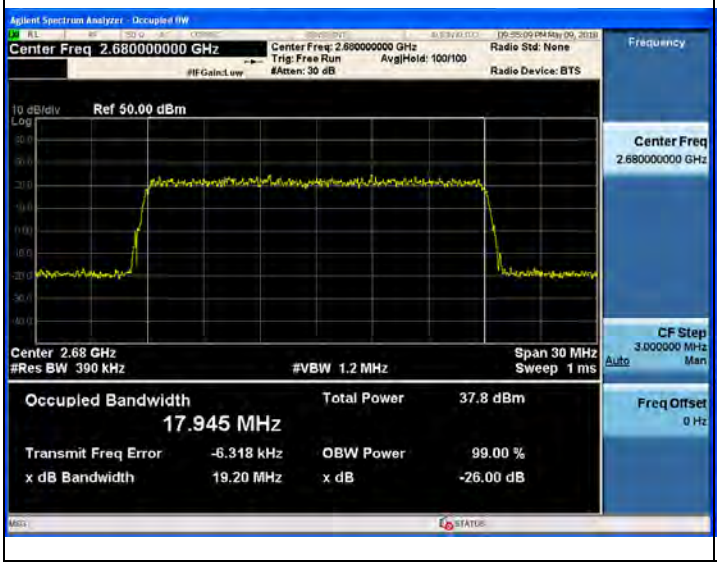
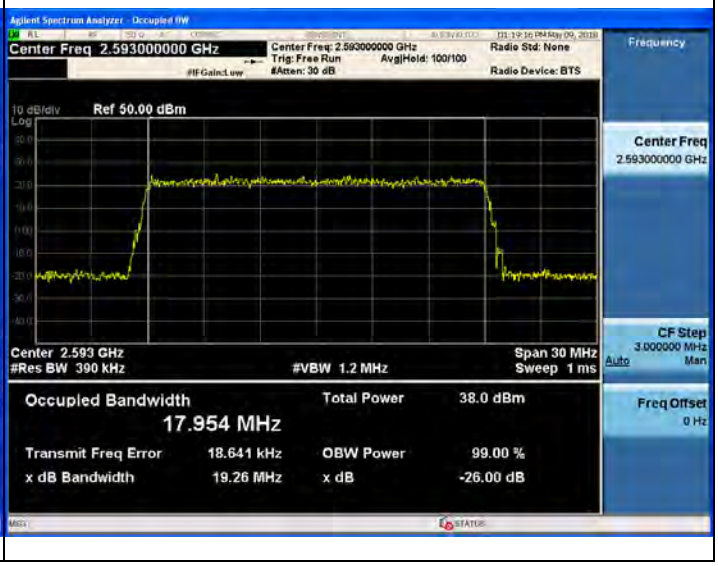
Port 26			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**High**
			

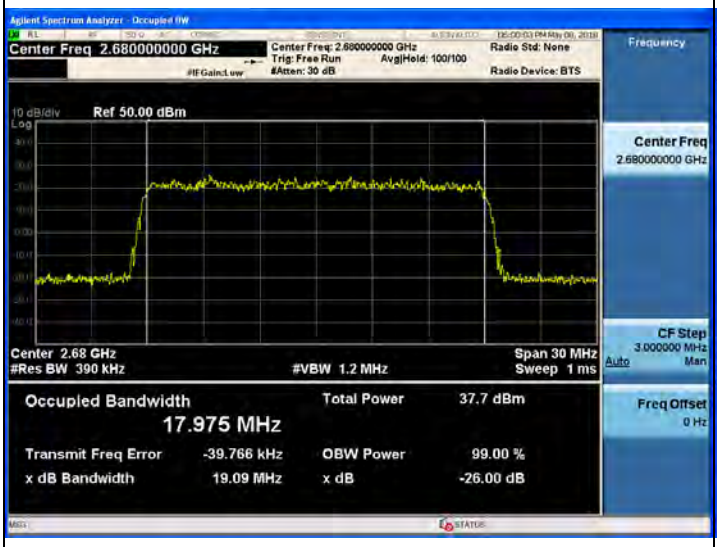
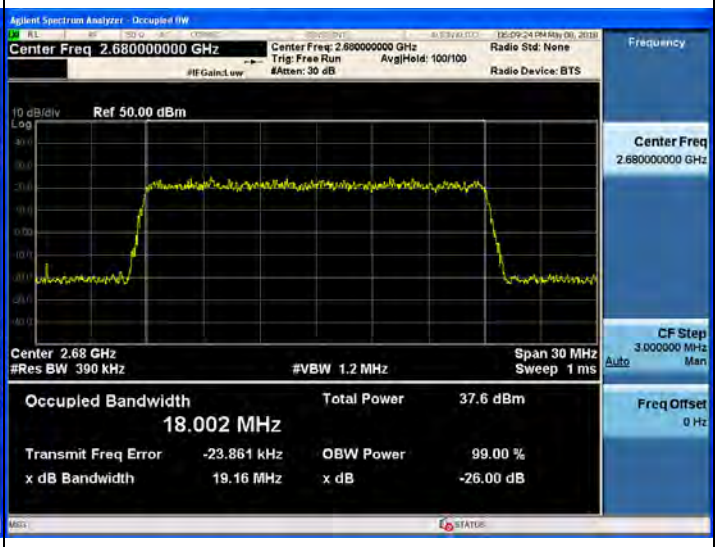
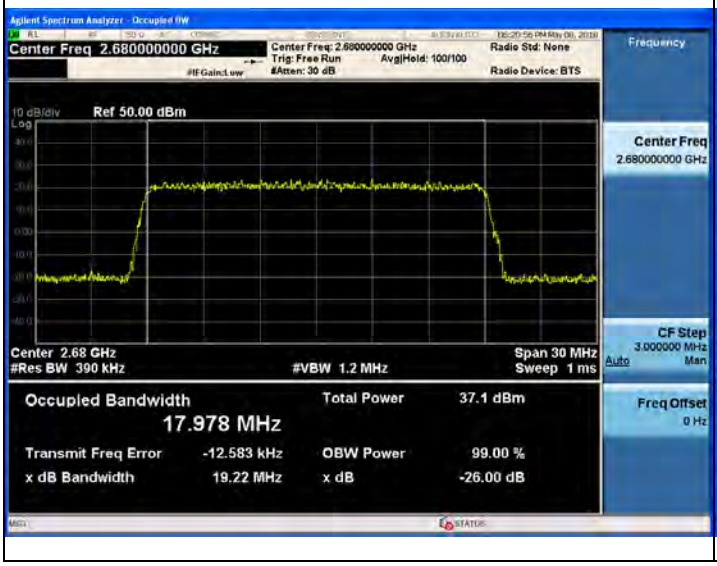
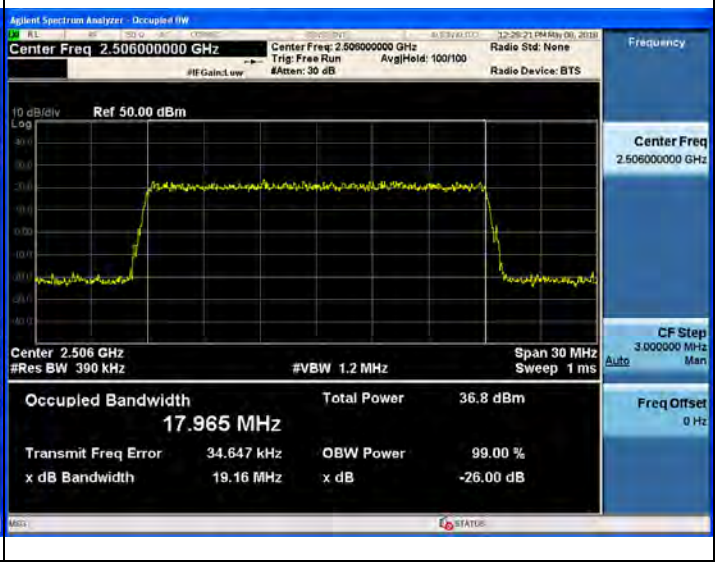
Port 27			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

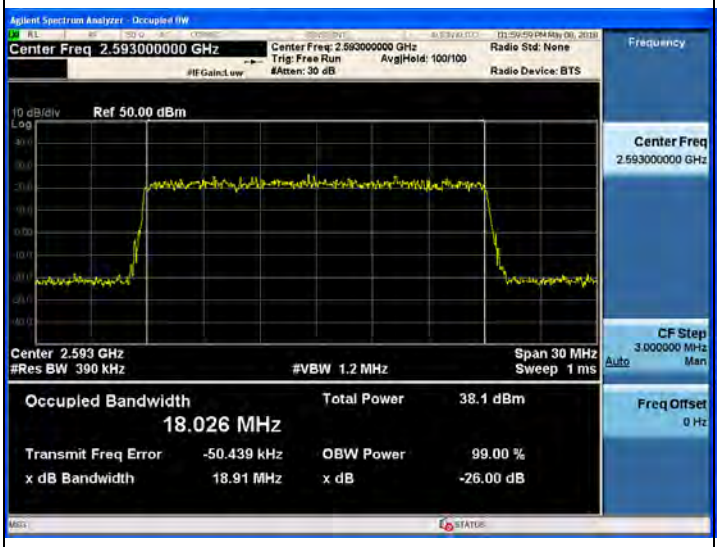
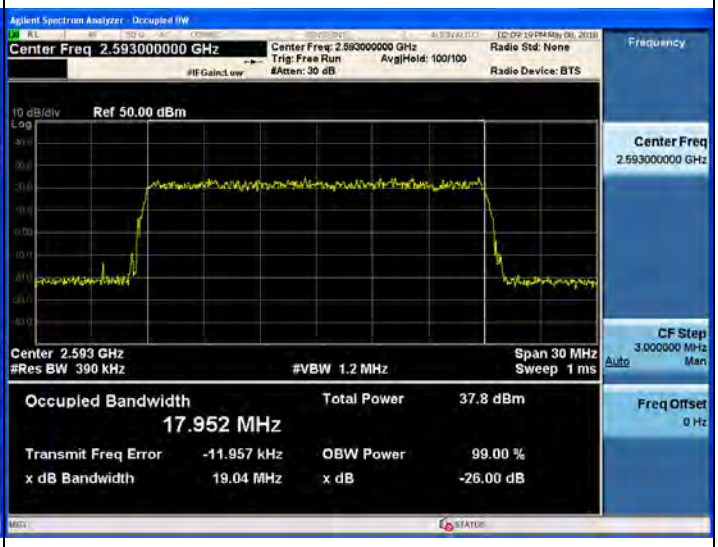
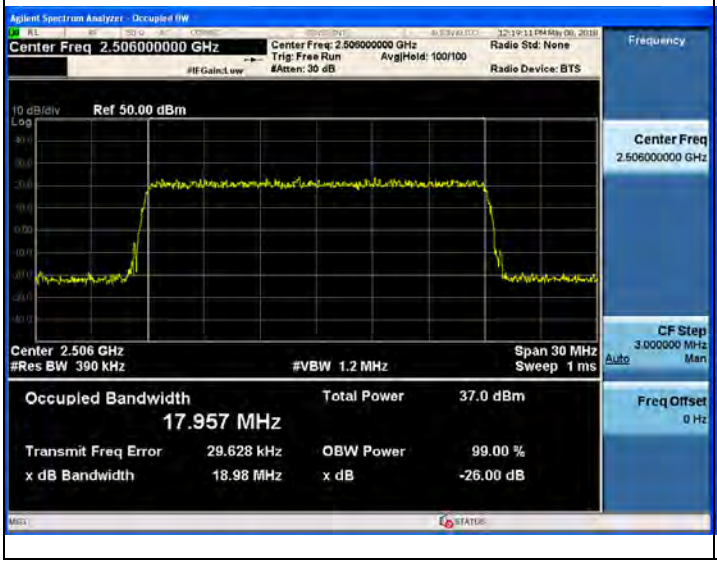
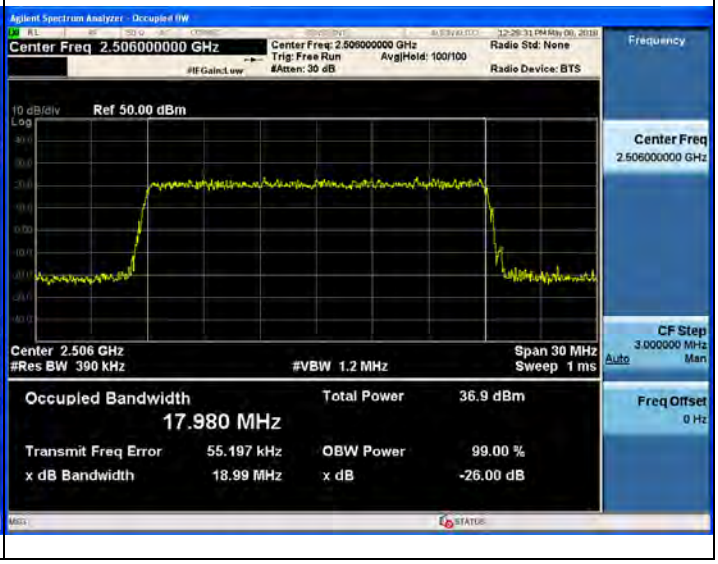
Port 28			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

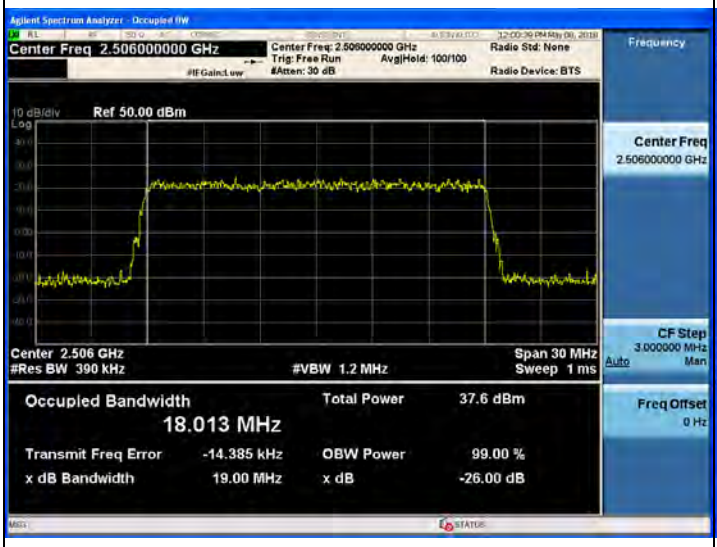
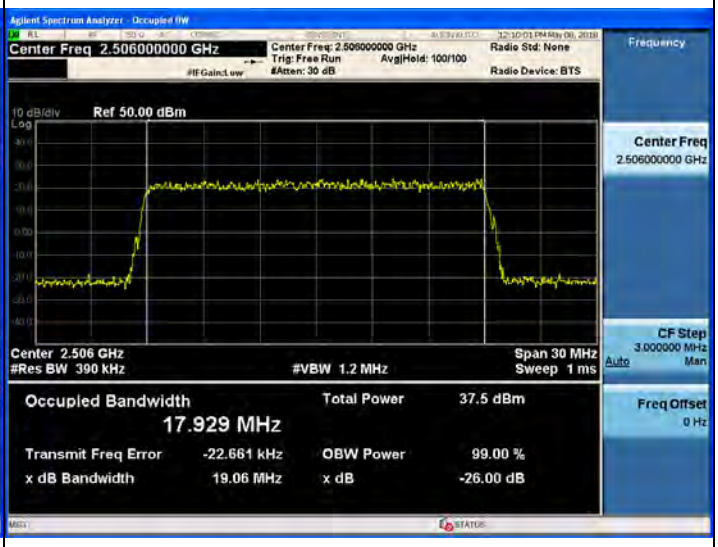
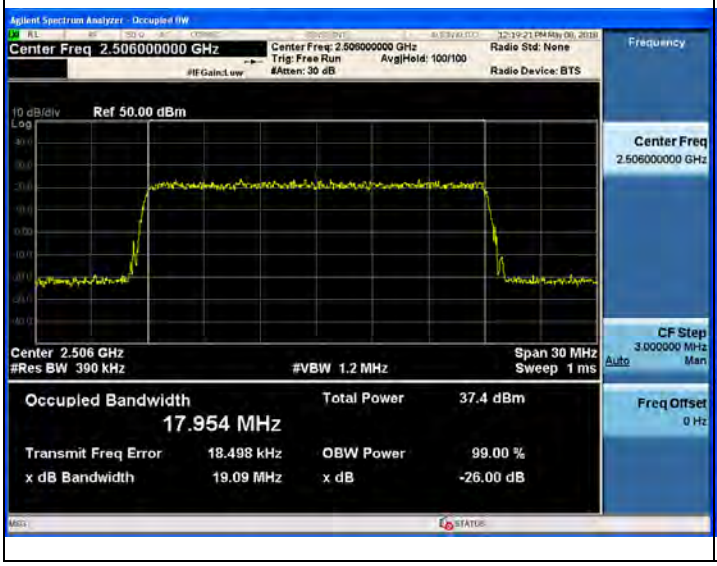
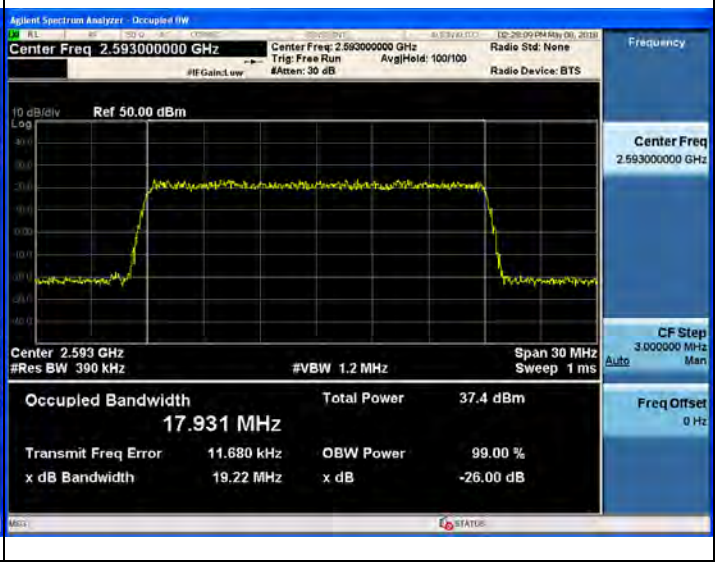
Port 29			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

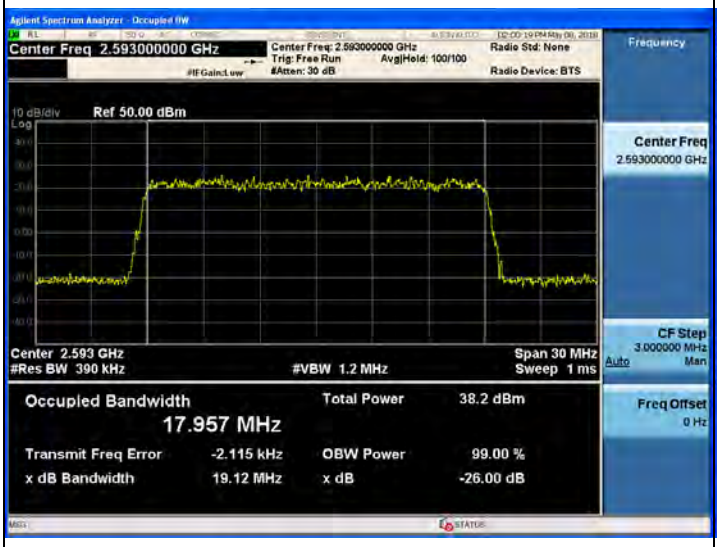
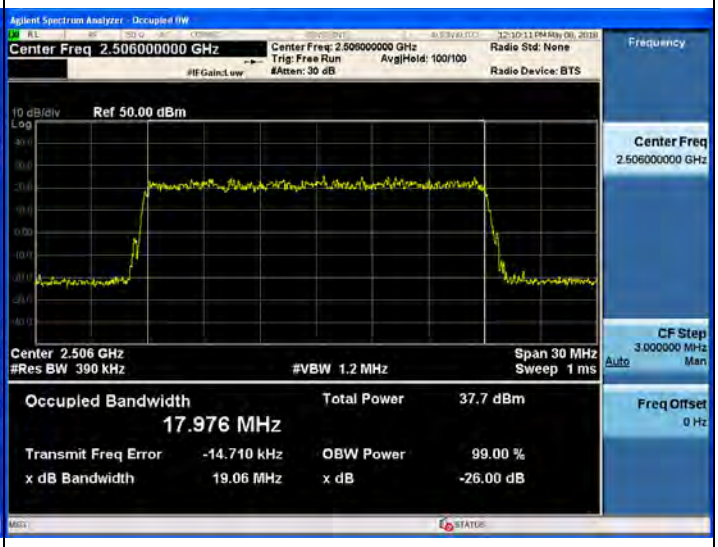
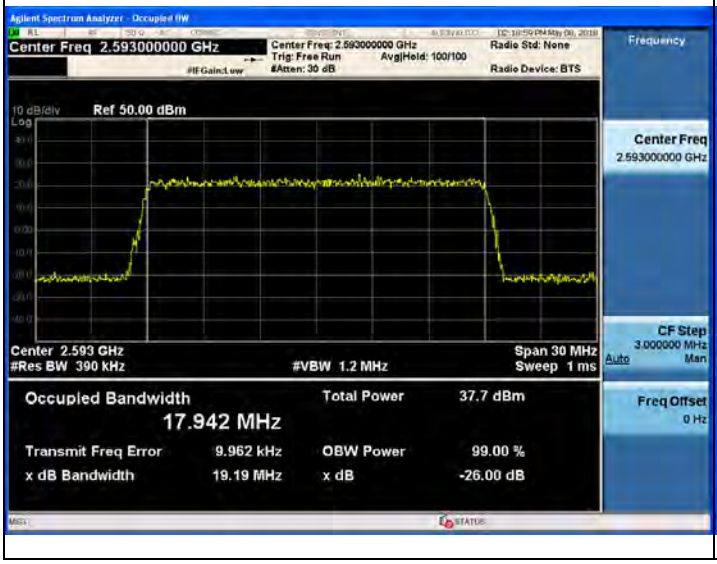
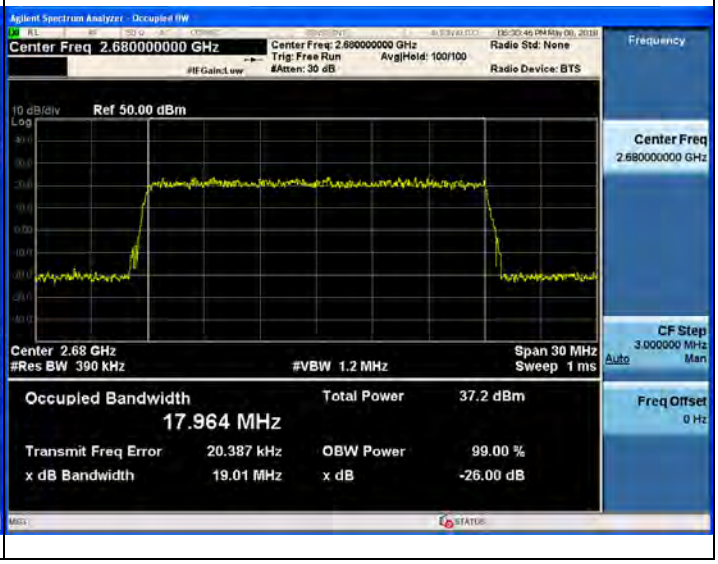
Port 30			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

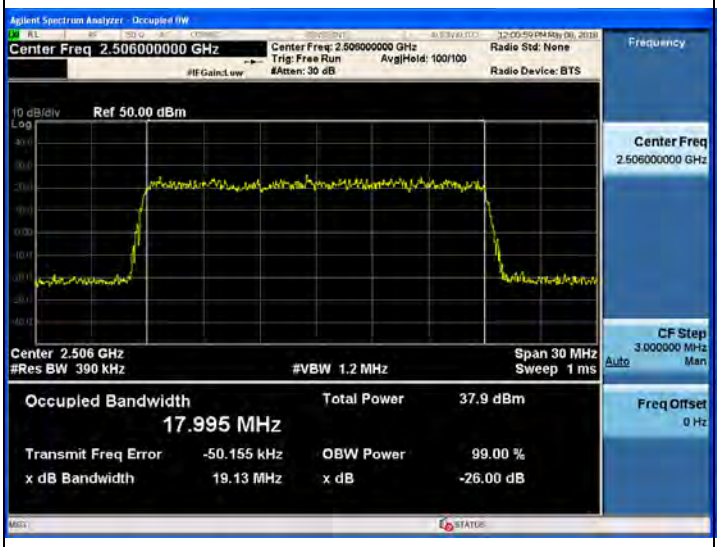
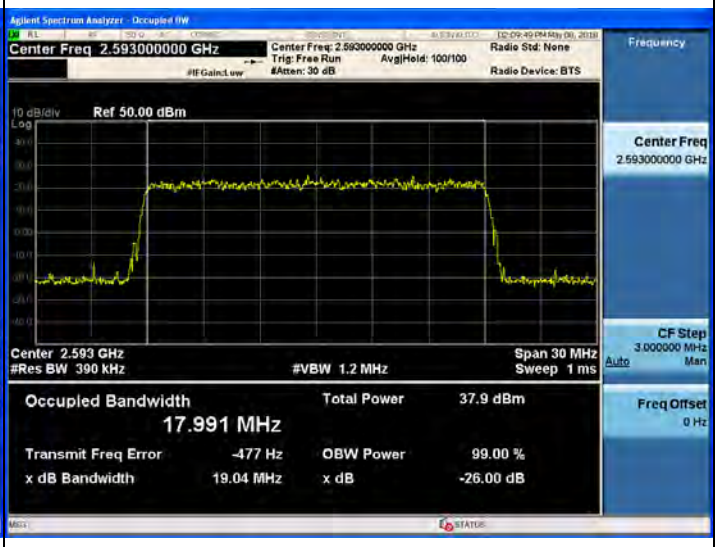
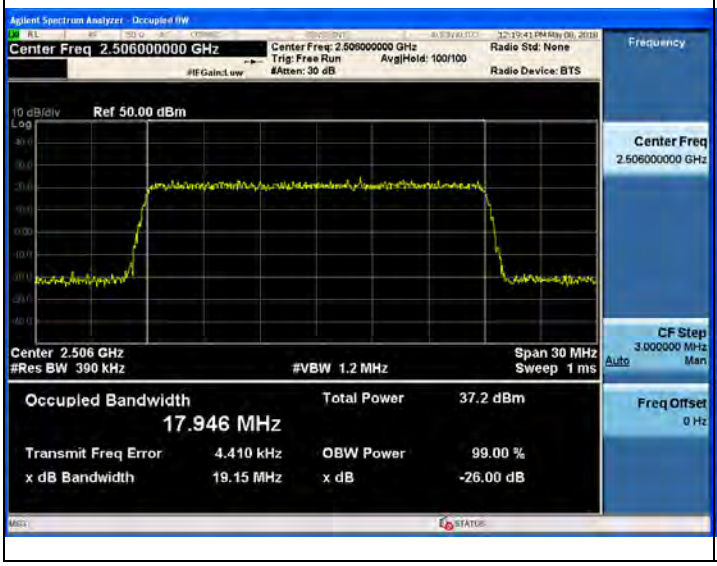
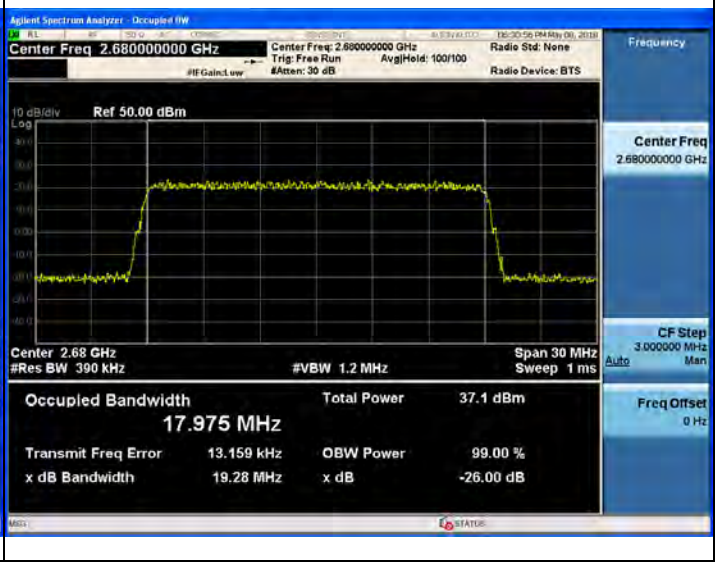
Port 31			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

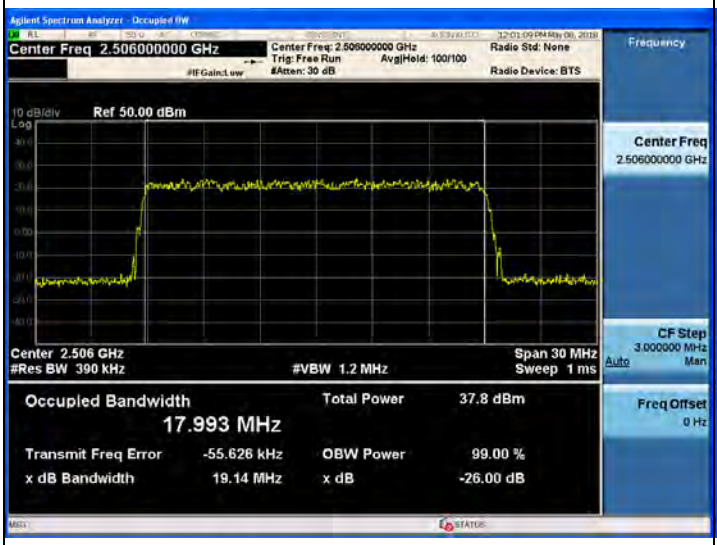
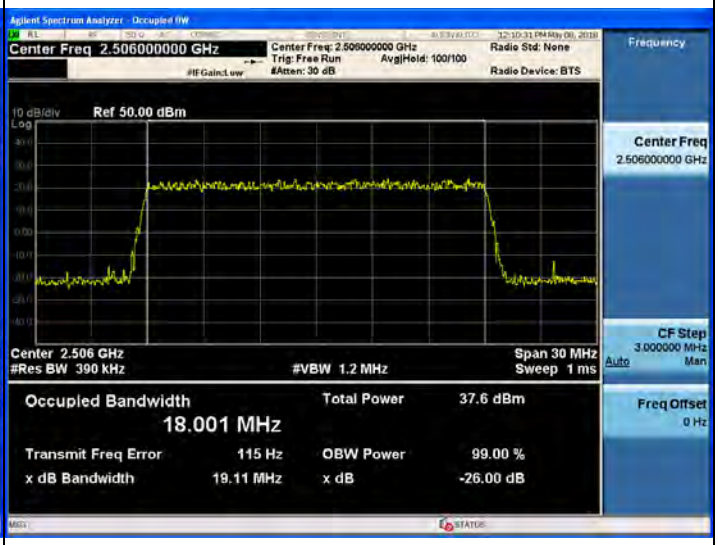
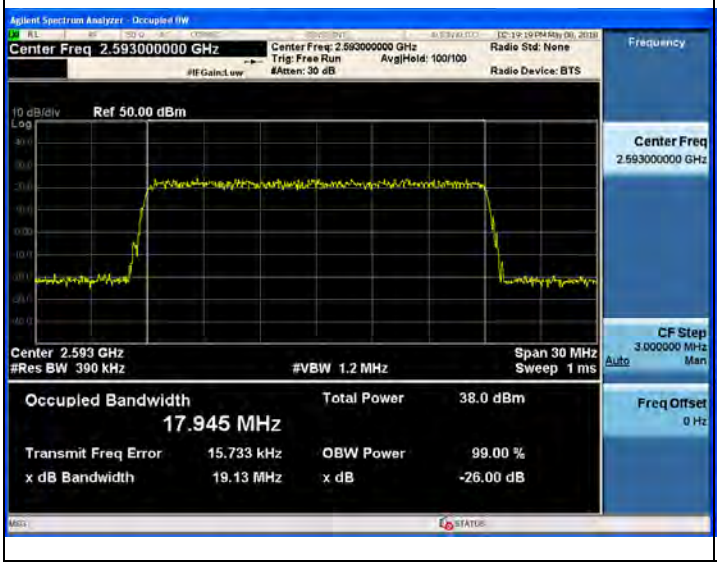
Port 32			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Low**
			

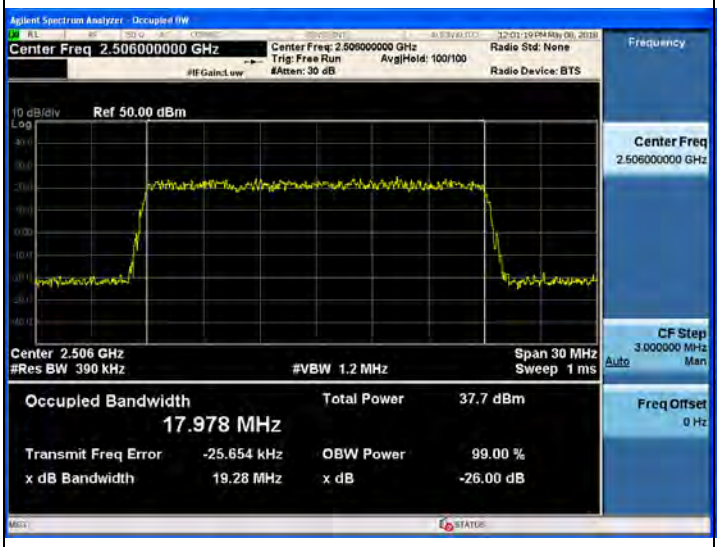
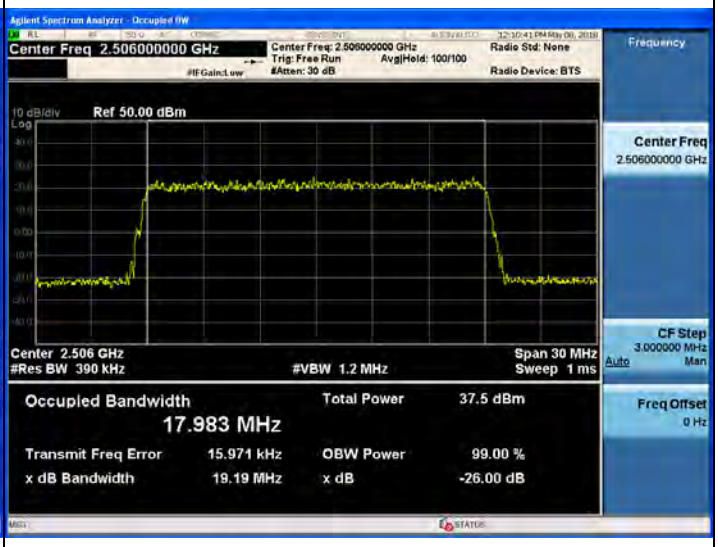
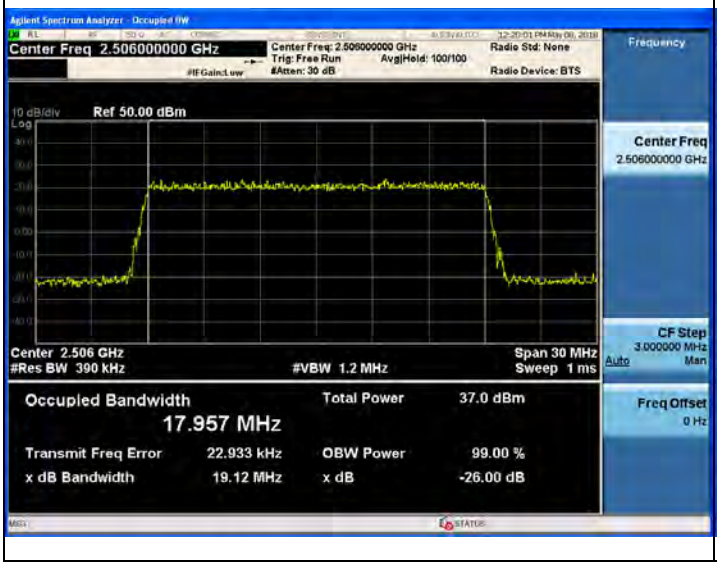
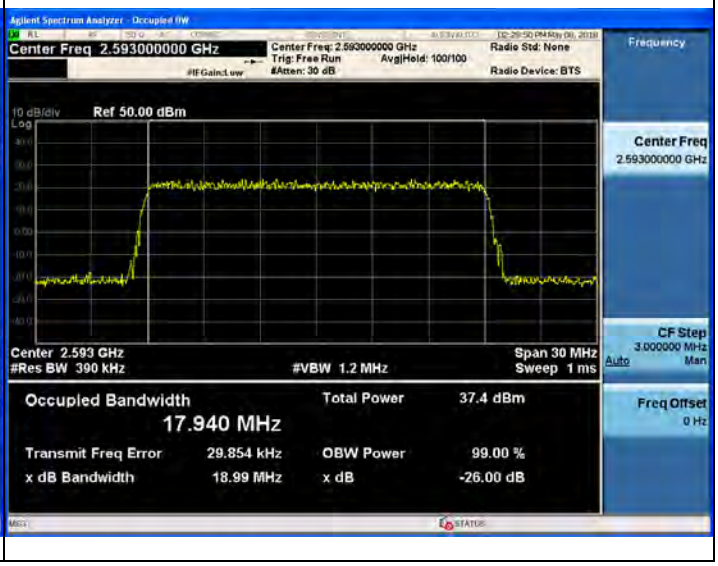
Port 33			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

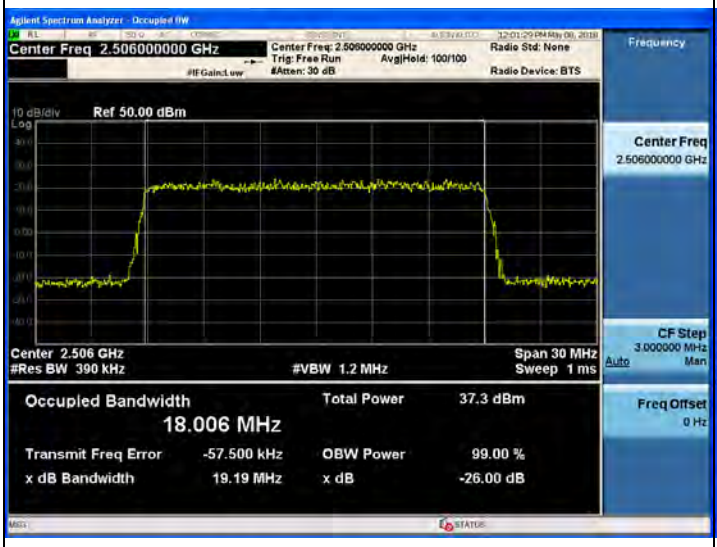
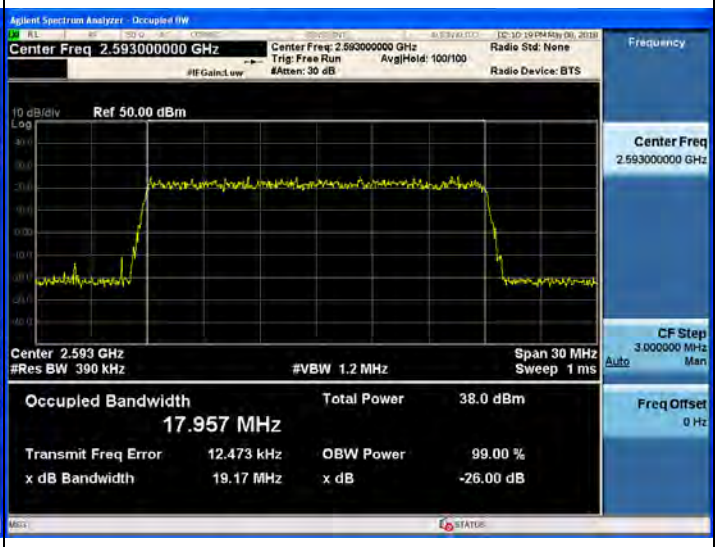
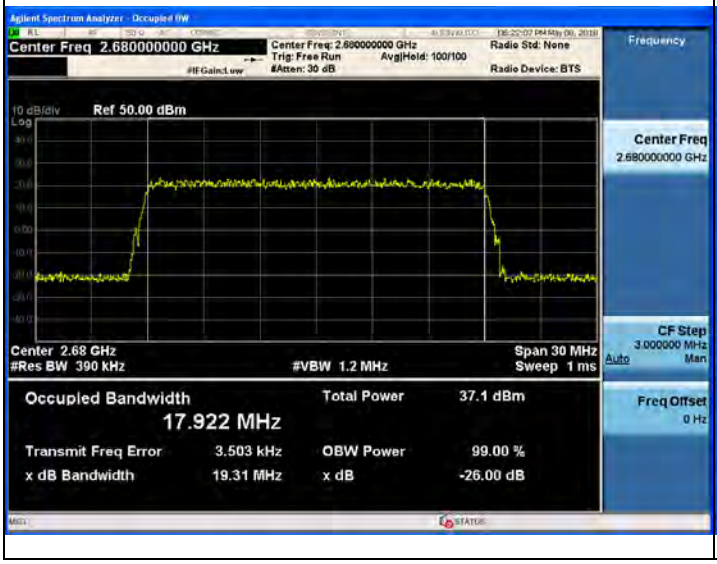
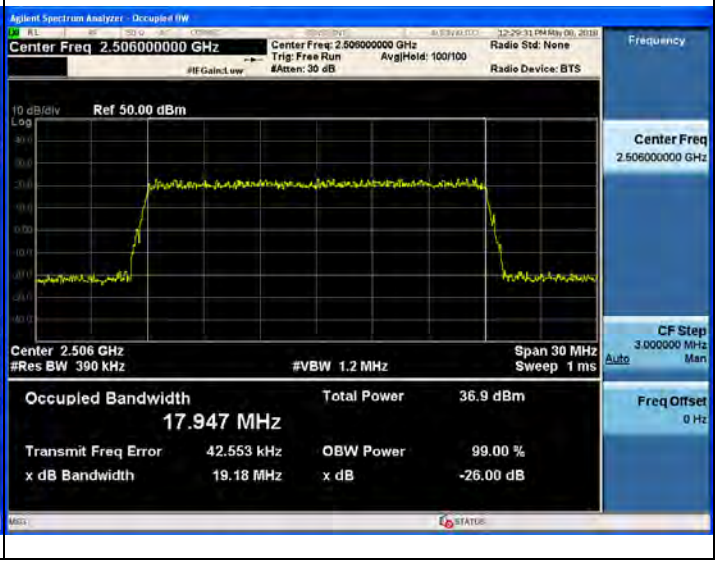
Port 34			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Middle**
			

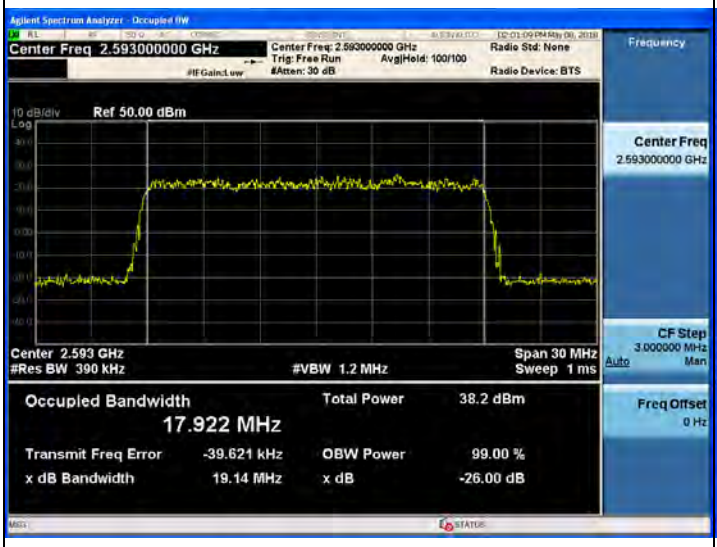
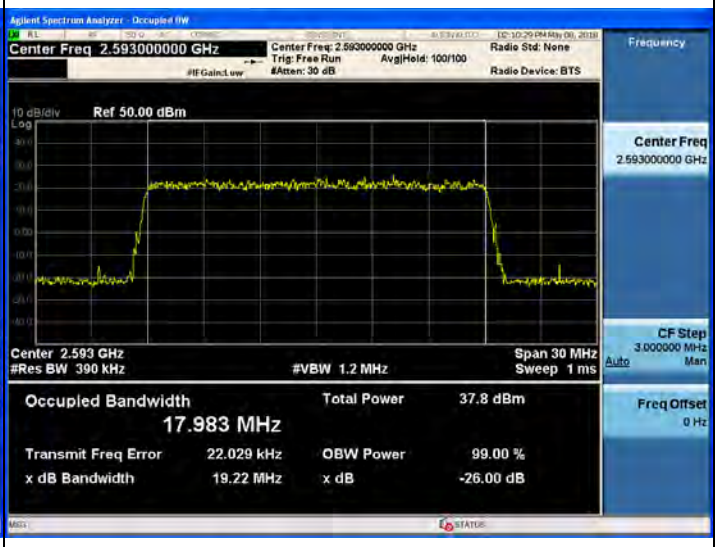
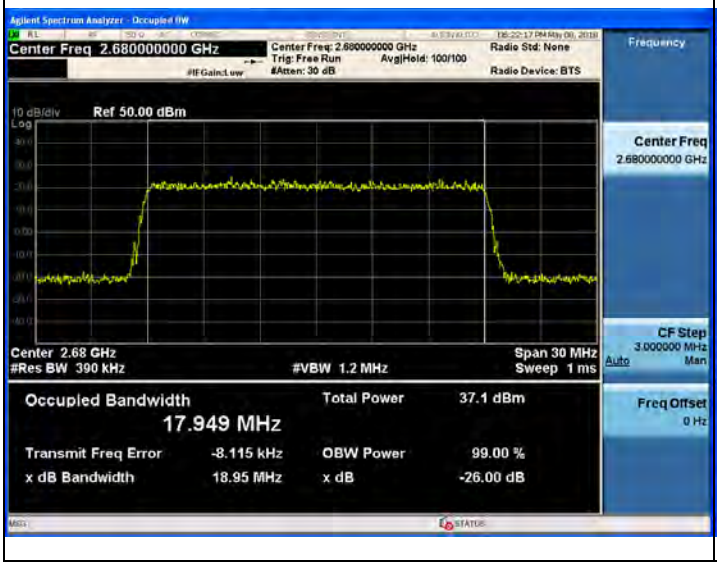
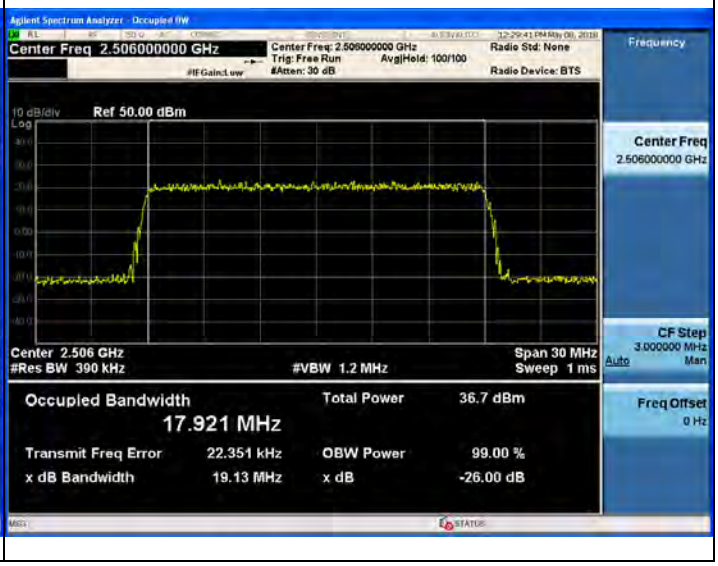
Port 35			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**High**
			

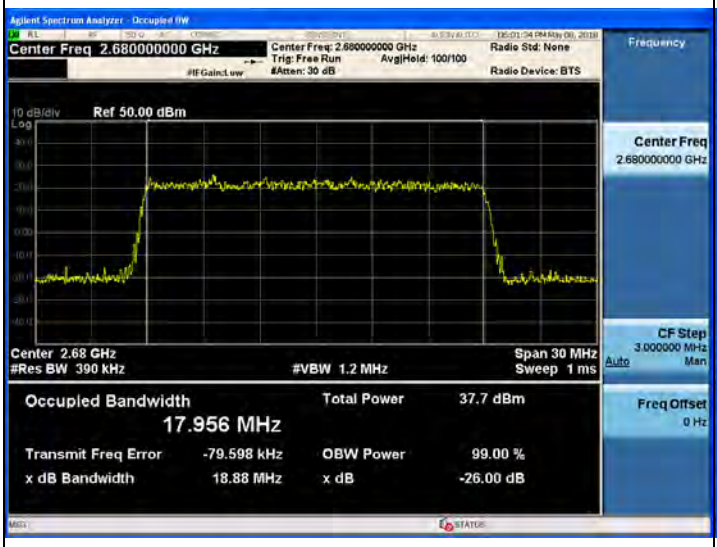
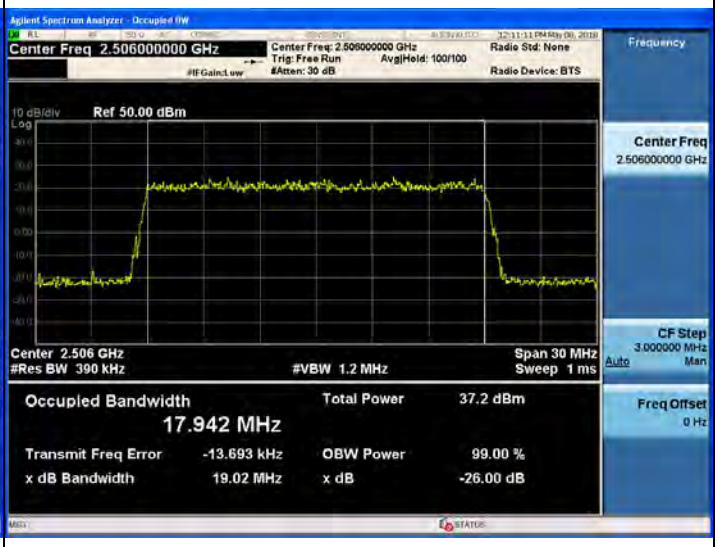
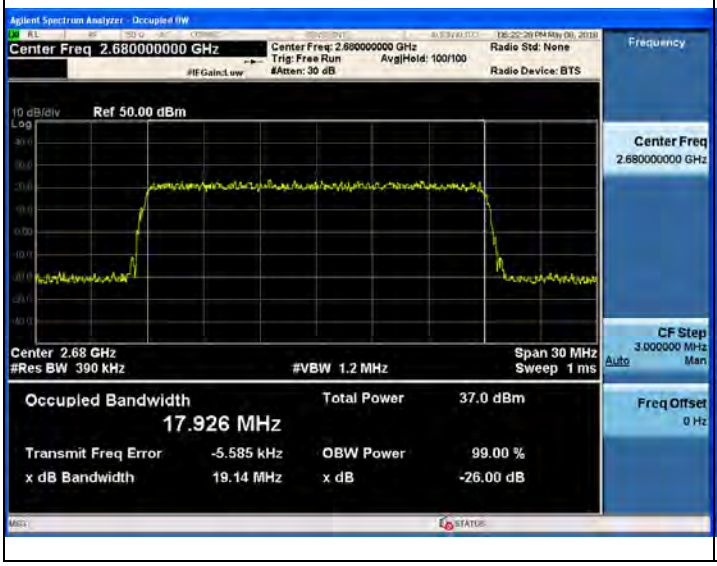
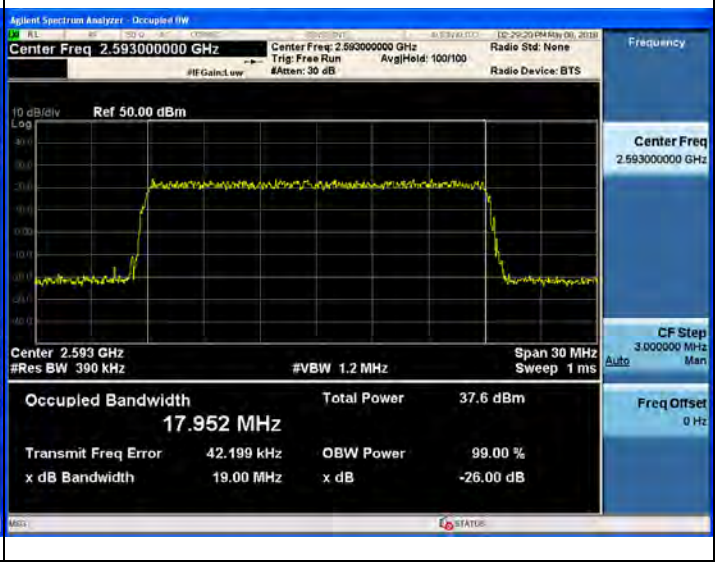
Port 36			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**High**
			

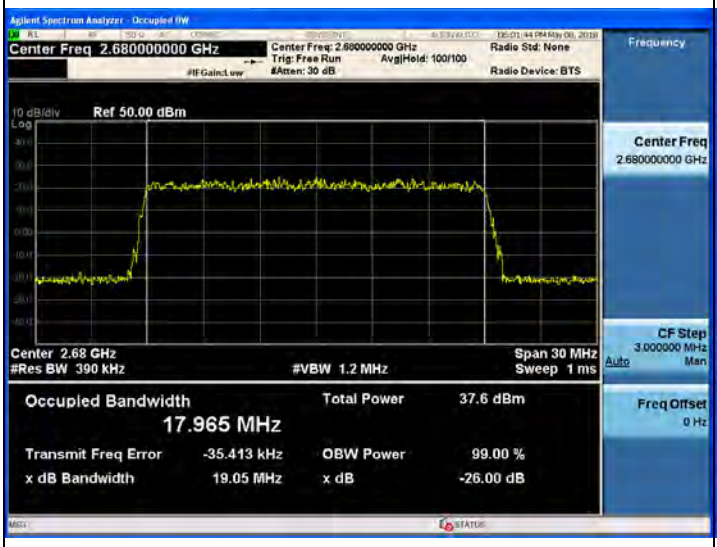
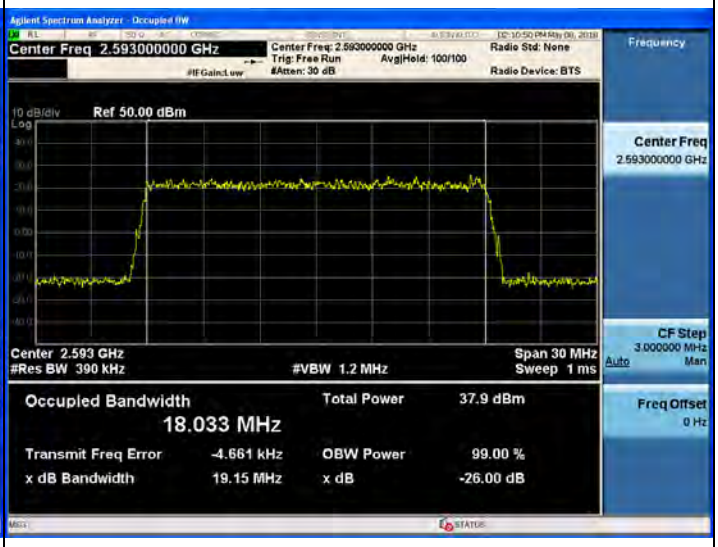
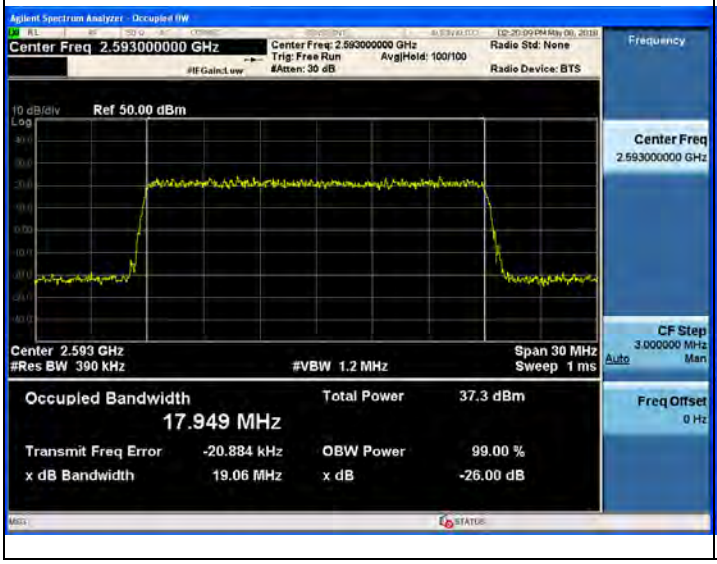
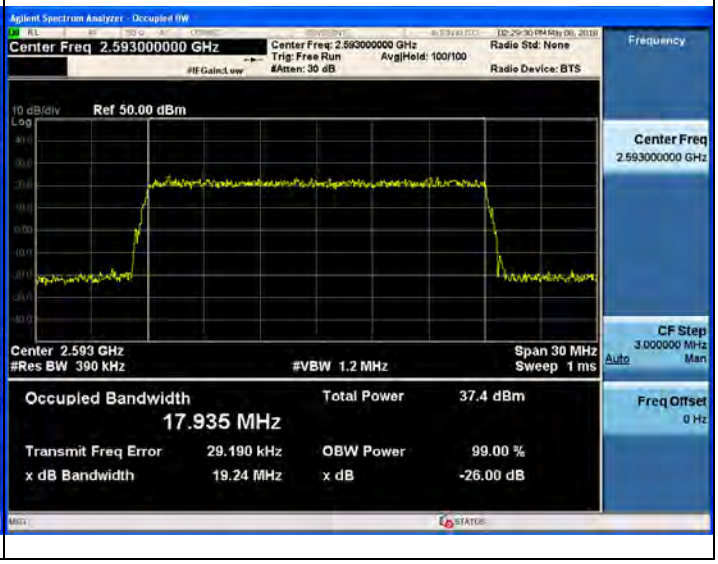
Port 37			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

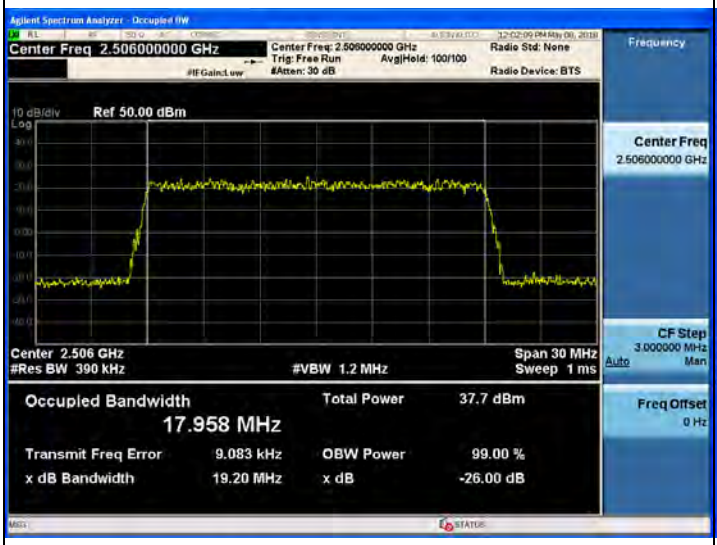
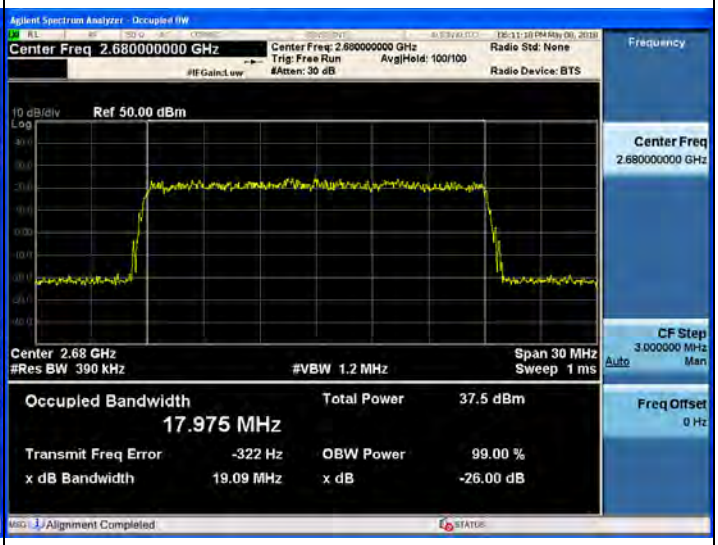
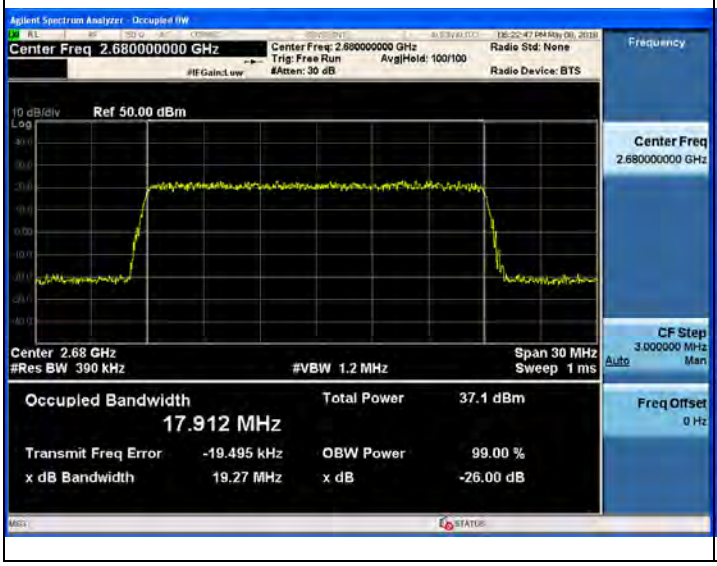
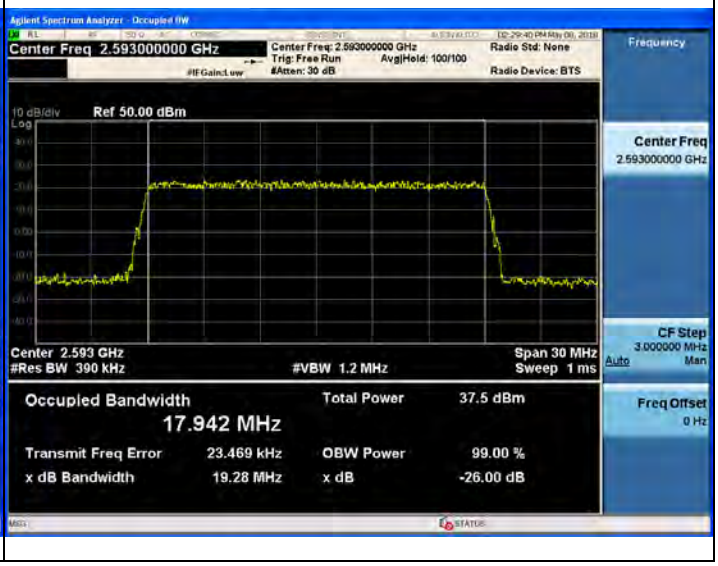
Port 38			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Middle**
			

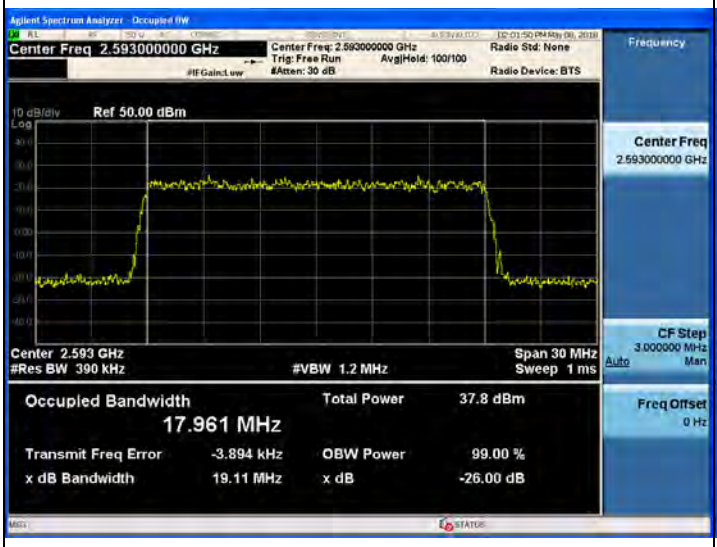
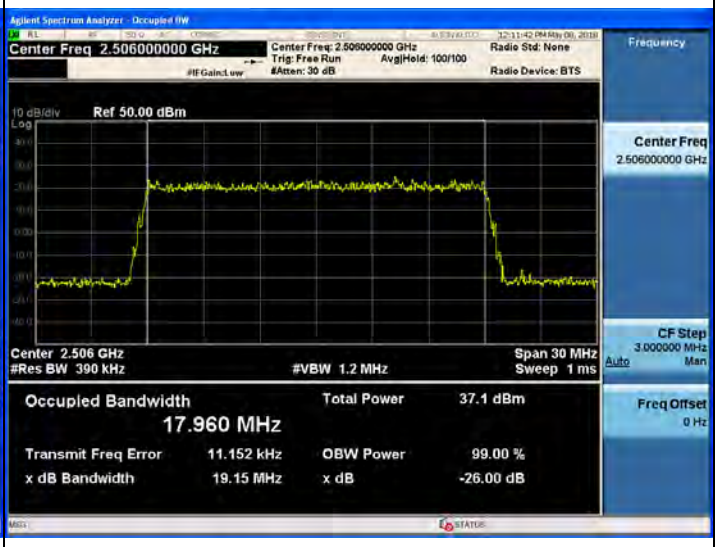
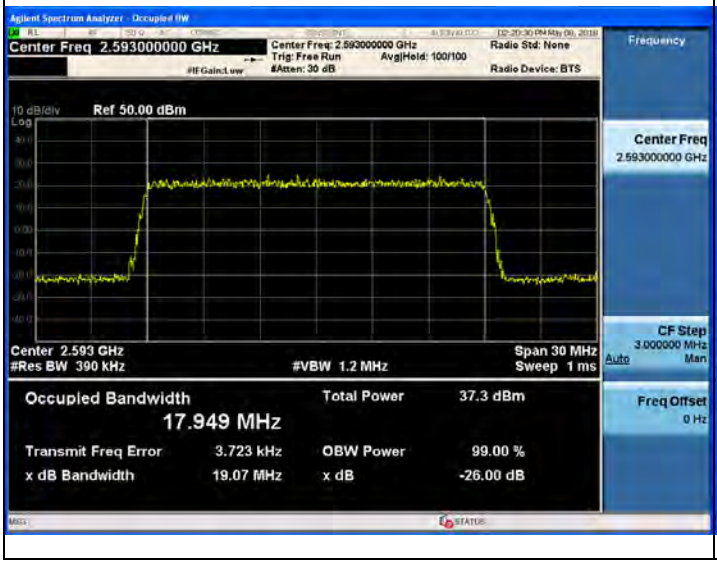
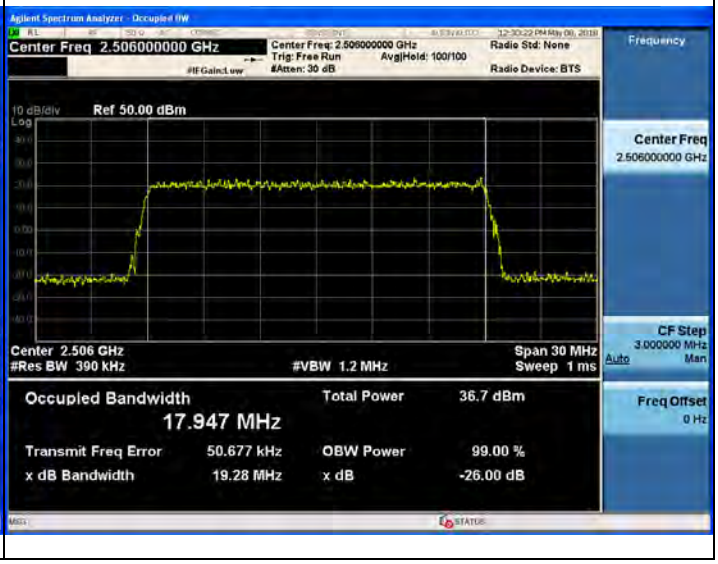
Port 39			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Low**
			

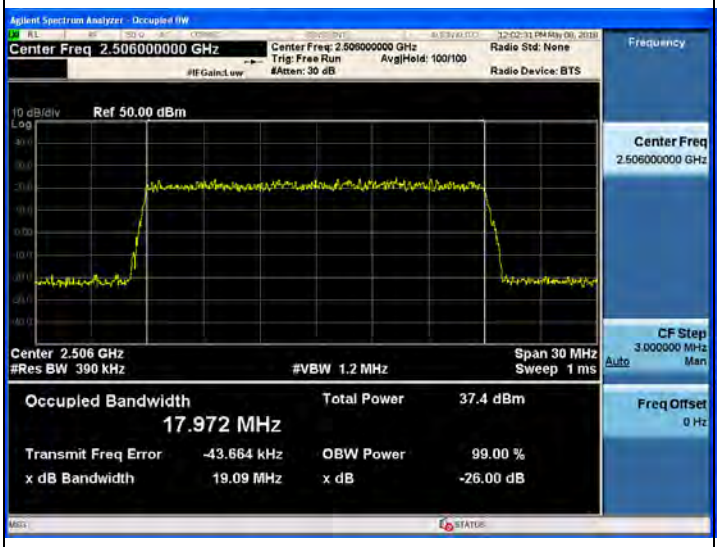
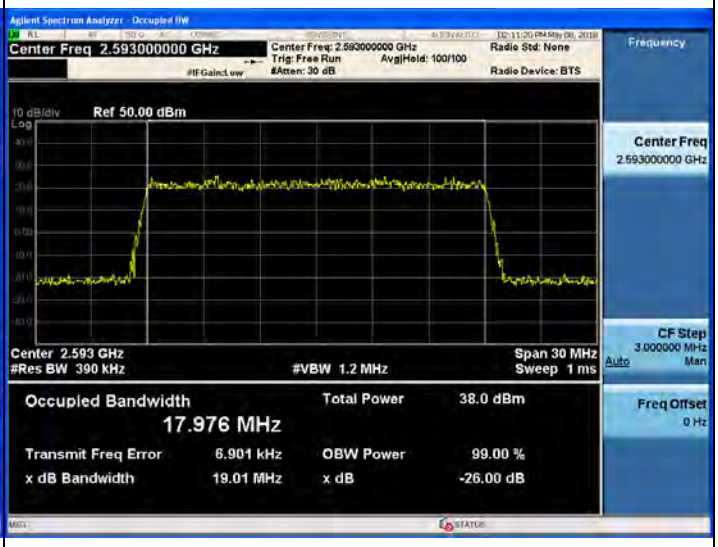
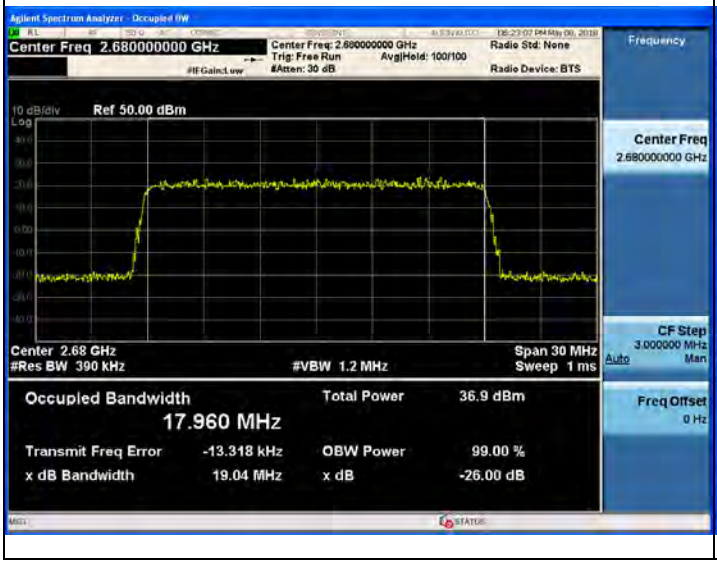
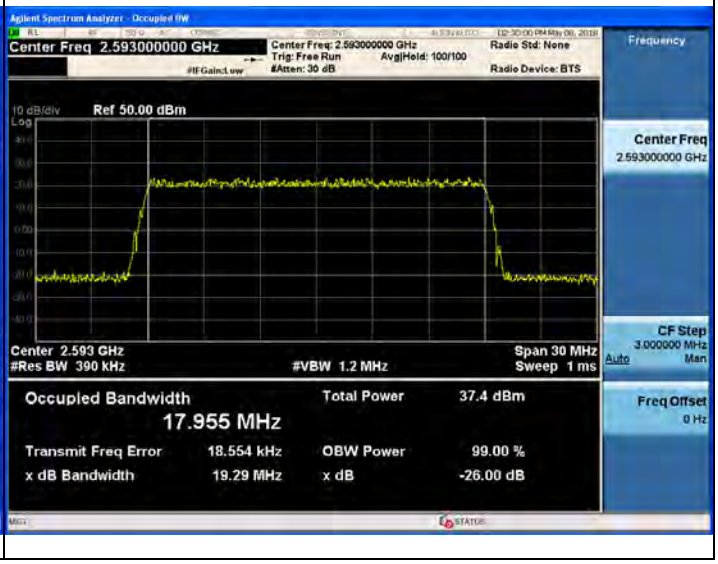
Port 40			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Low**
			

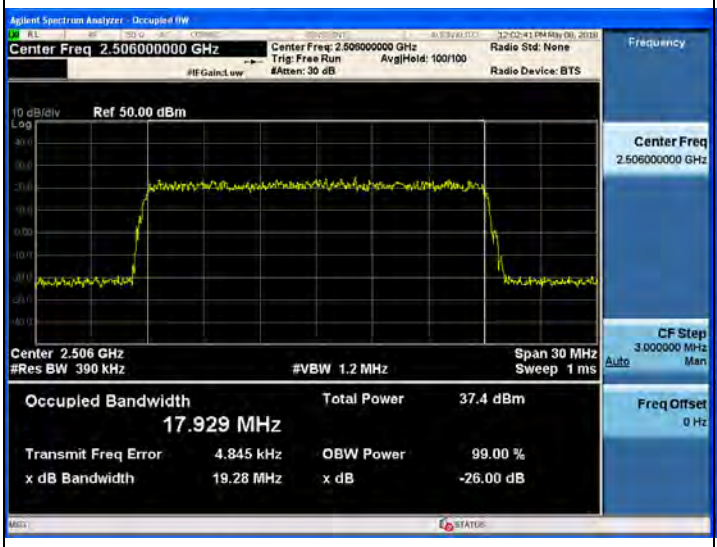
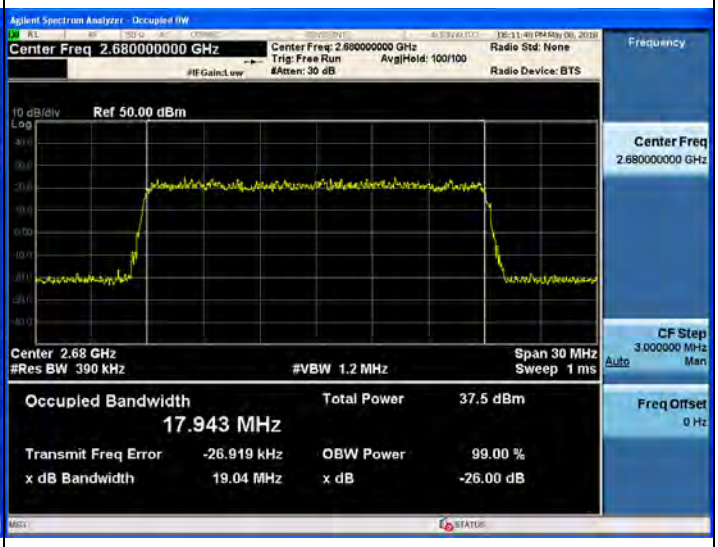
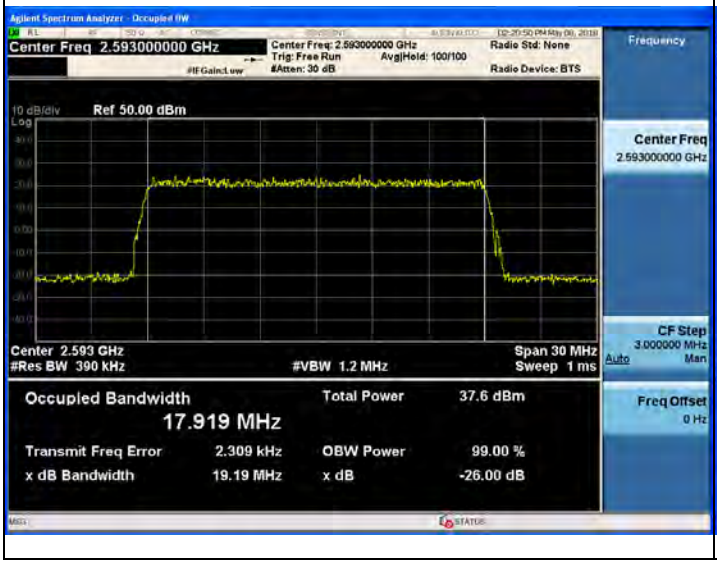
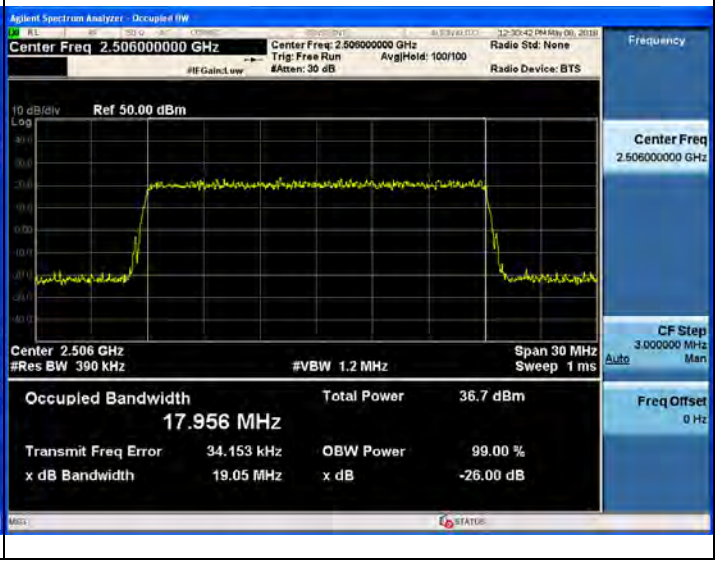
Port 41			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

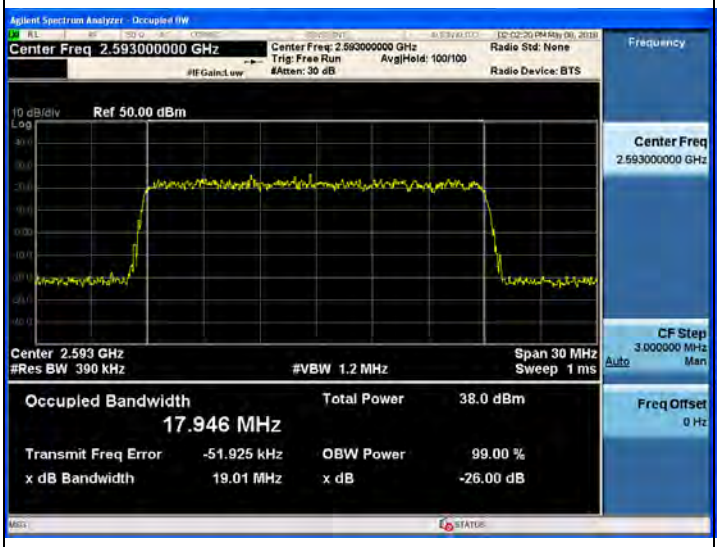
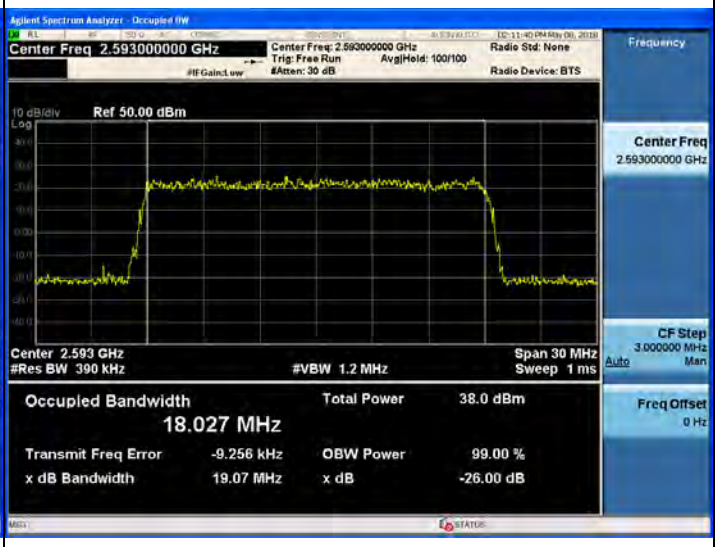
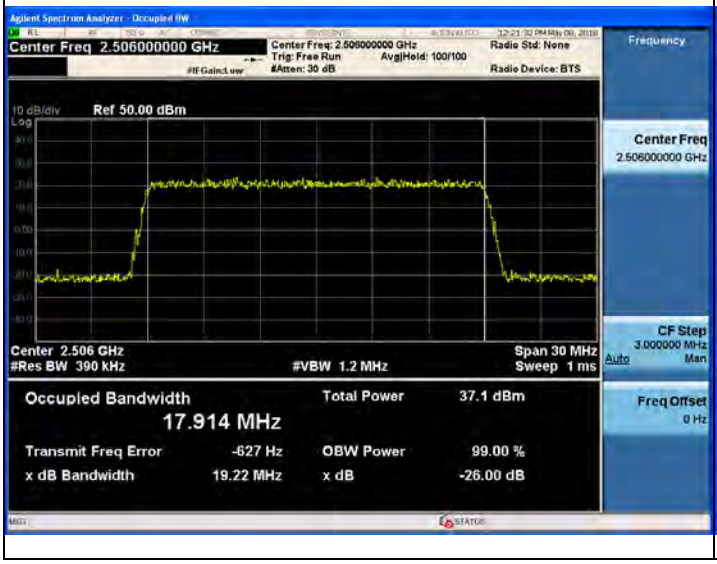
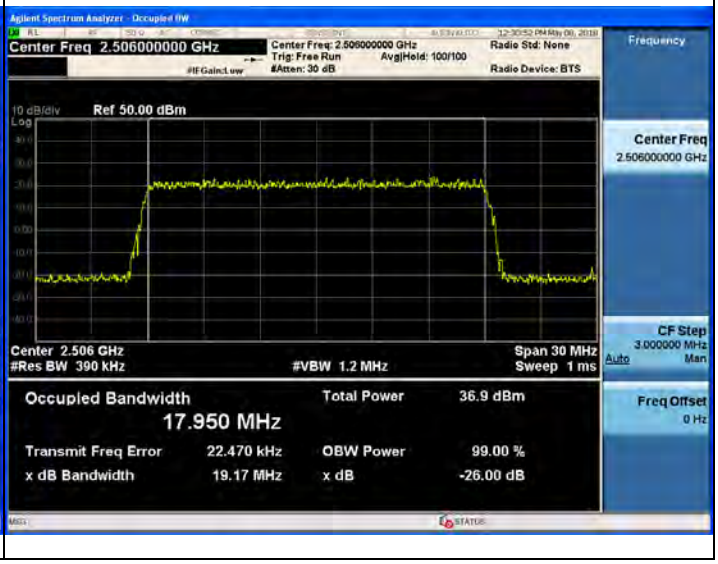
Port 42			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			

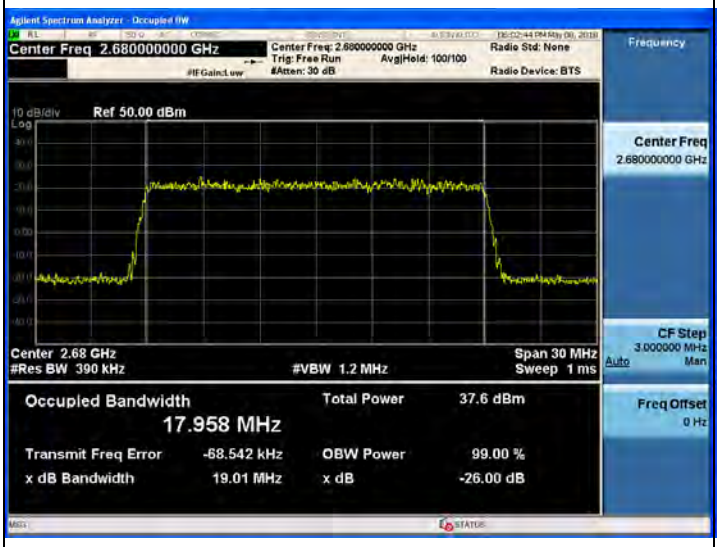
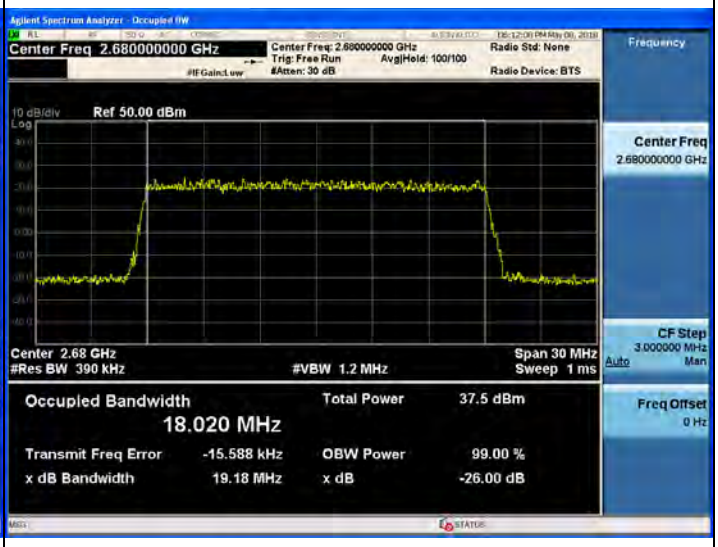
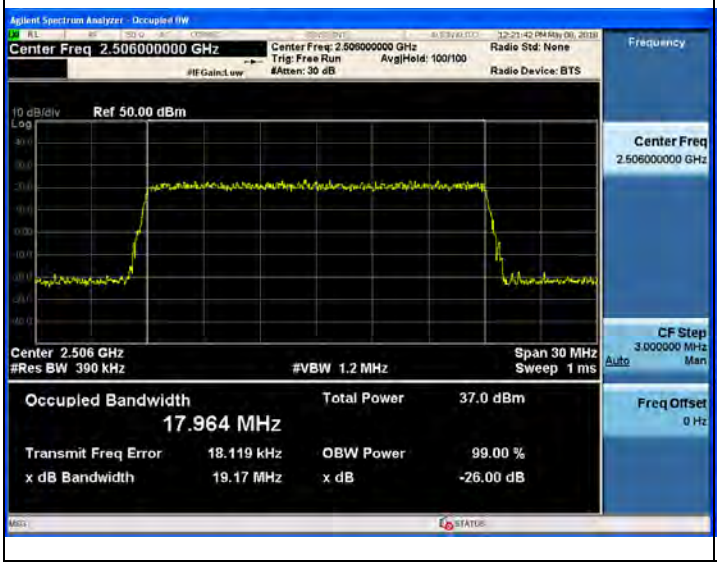
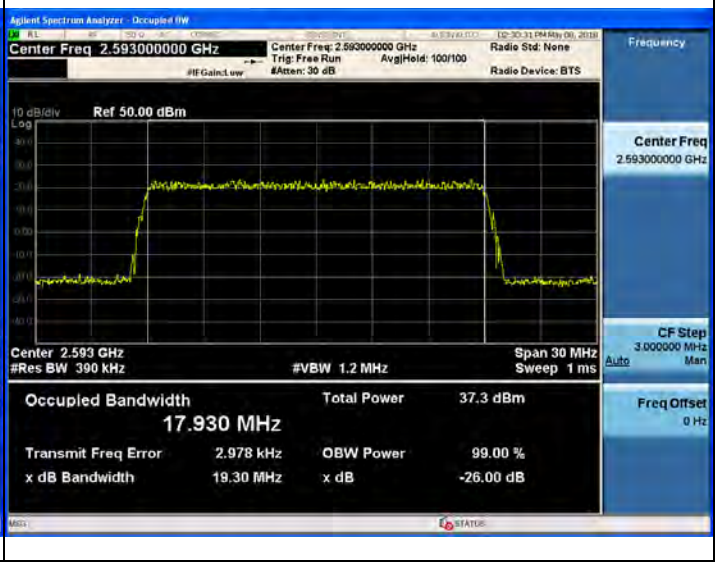
Port 43			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

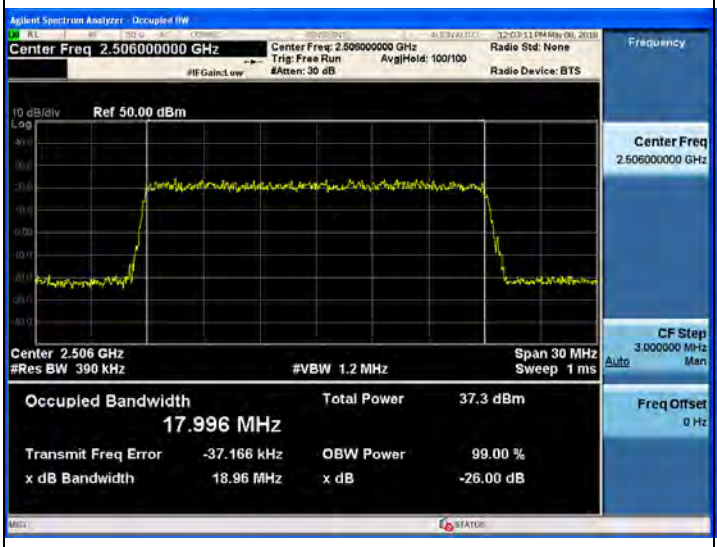
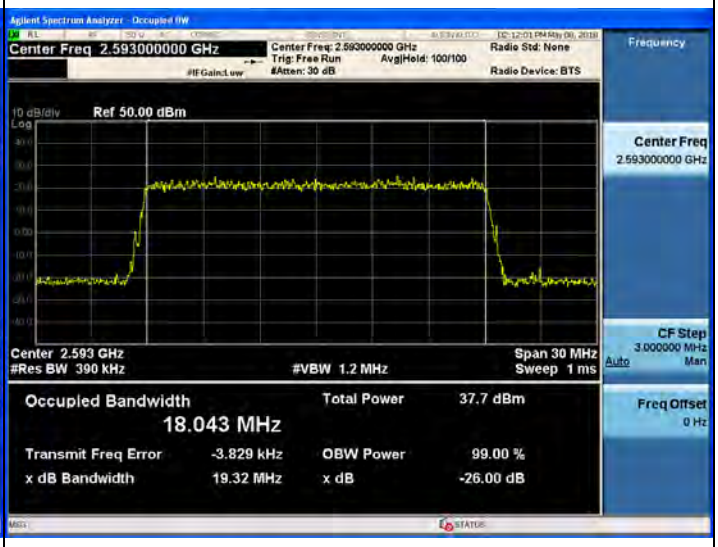
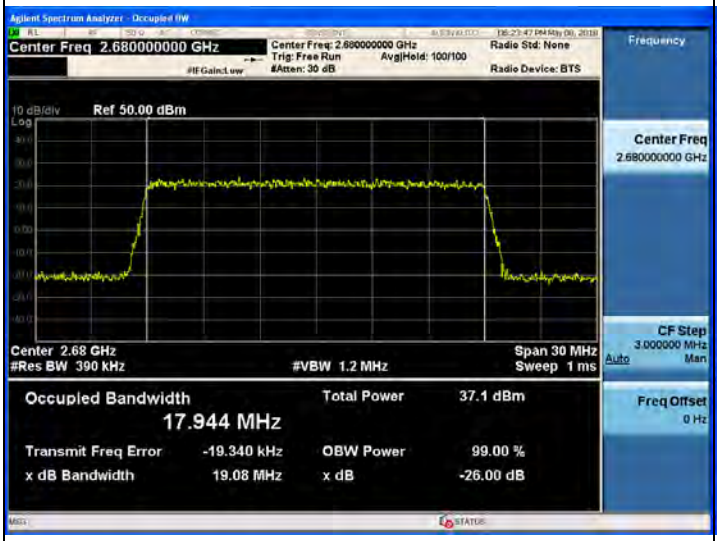
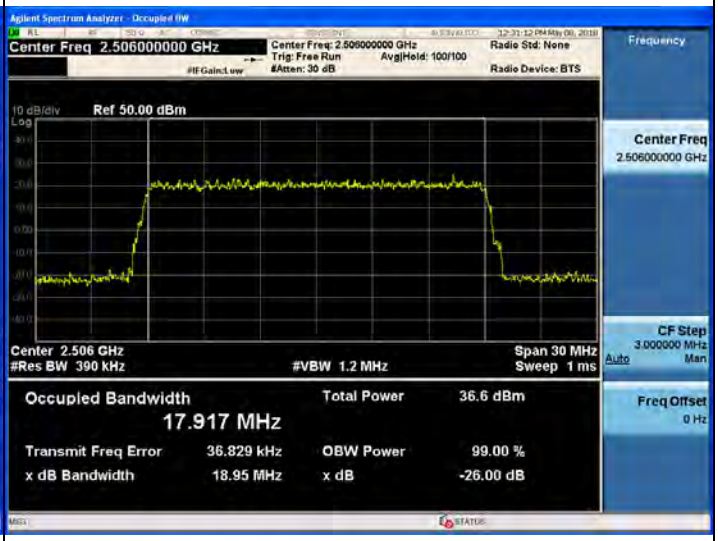
Port 44			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

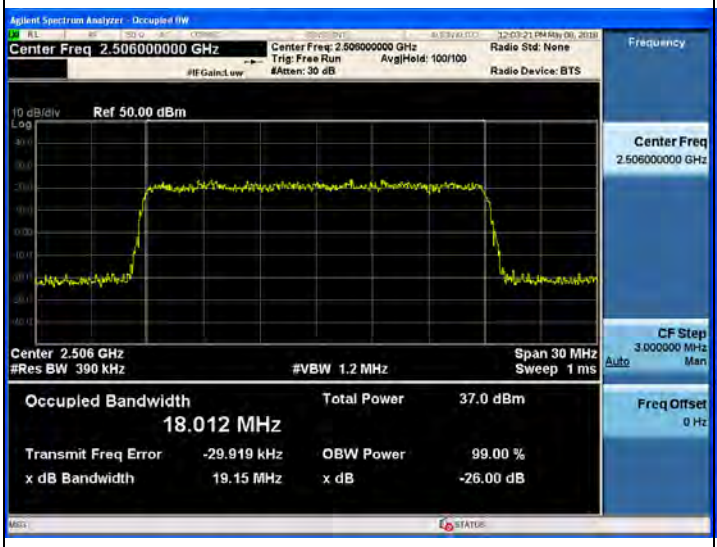
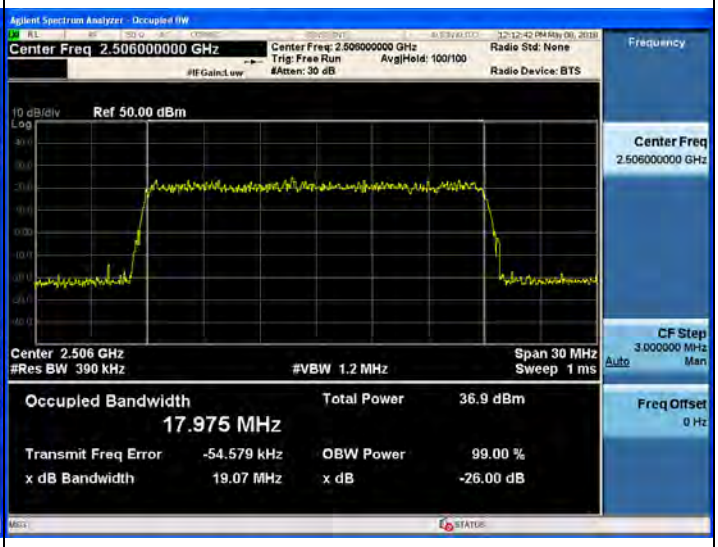
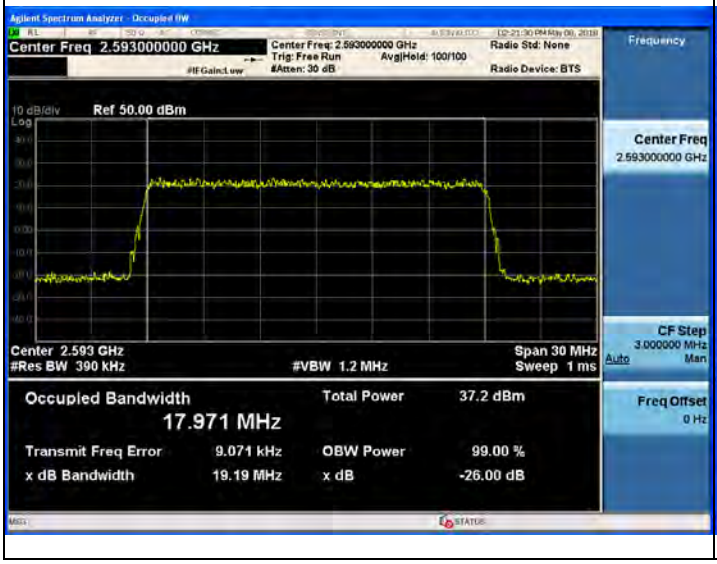
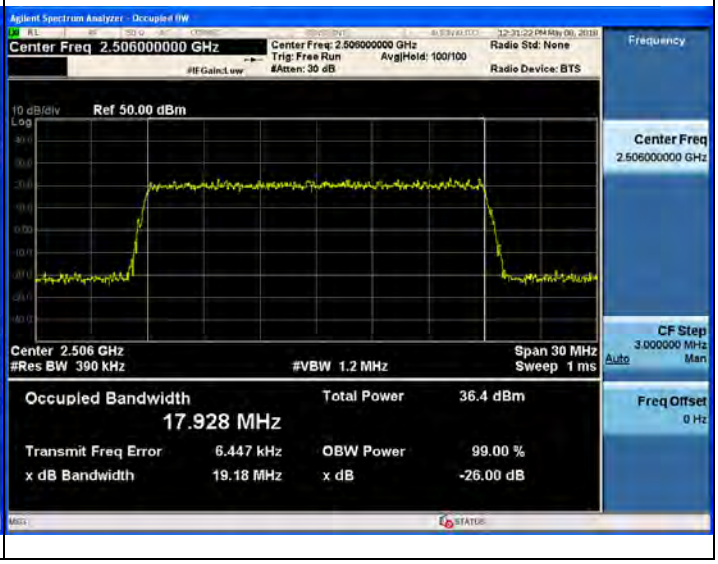
Port 45			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

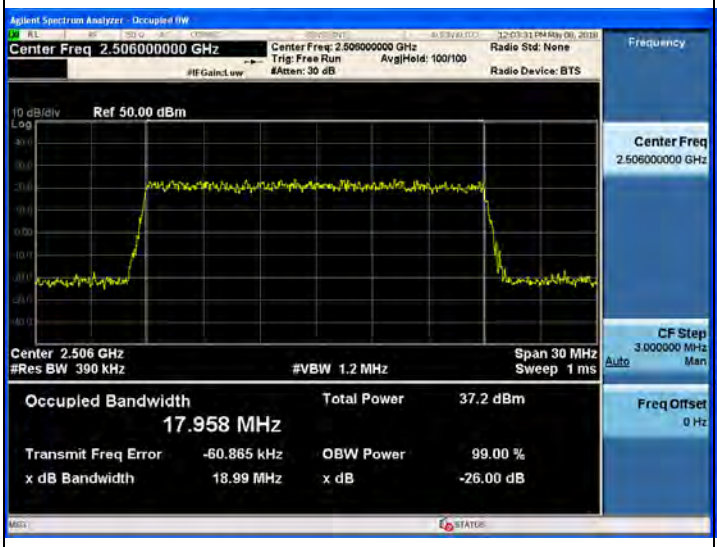
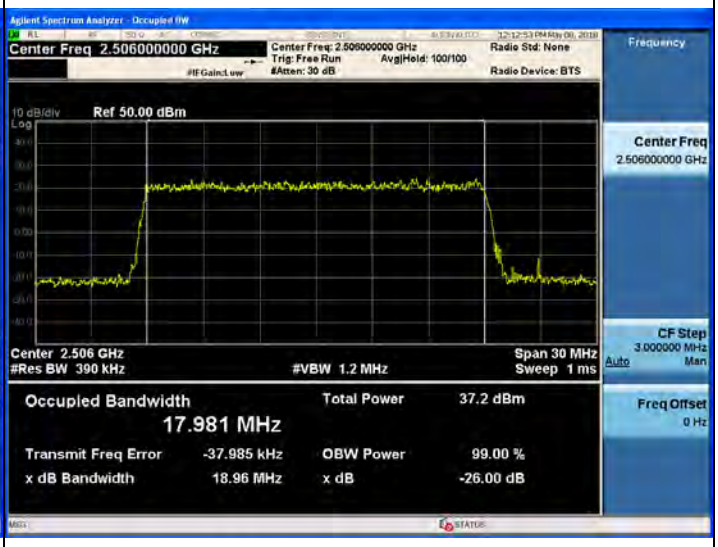
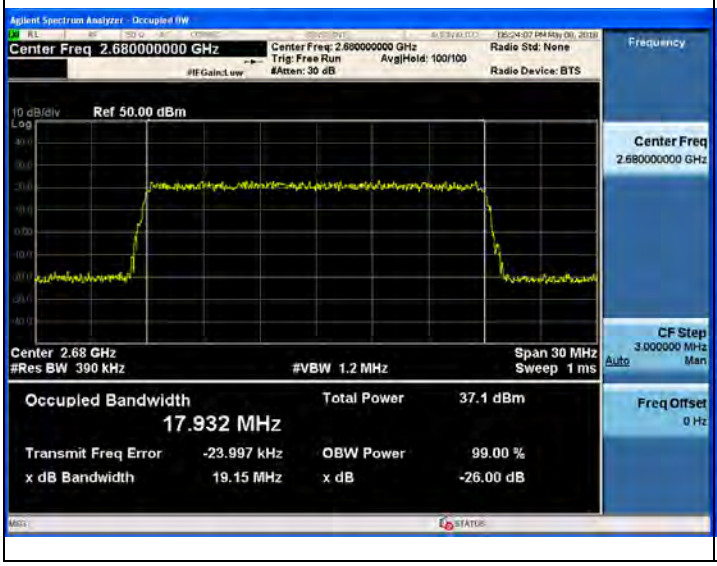
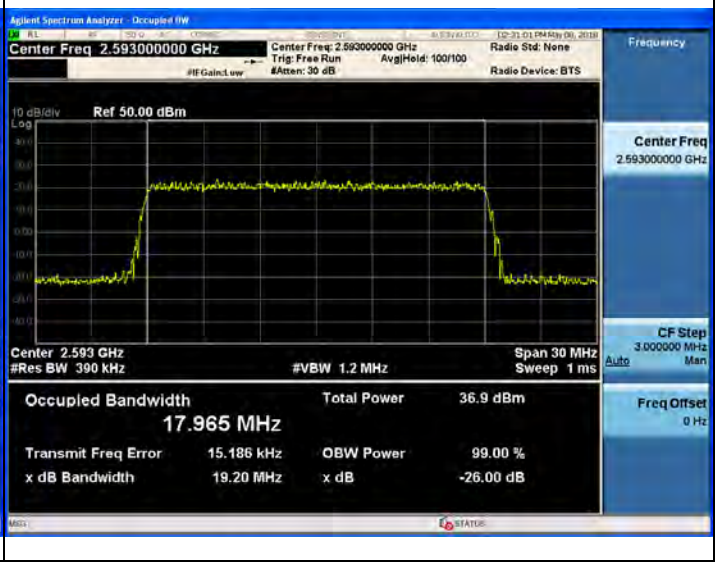
Port 46			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

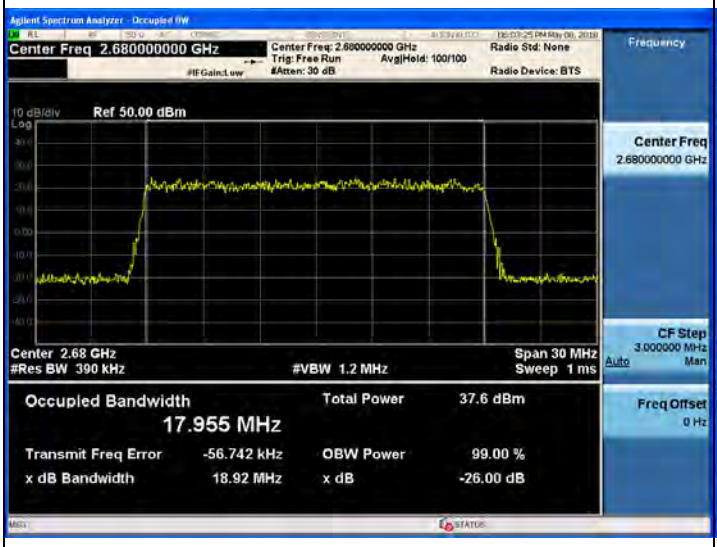
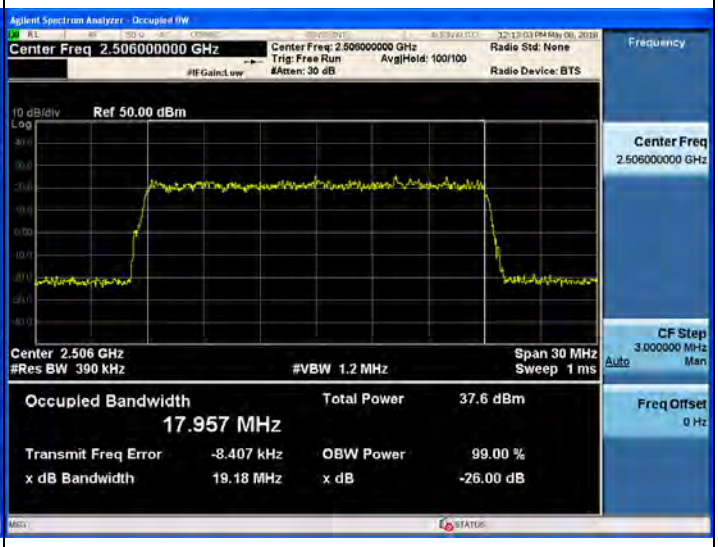
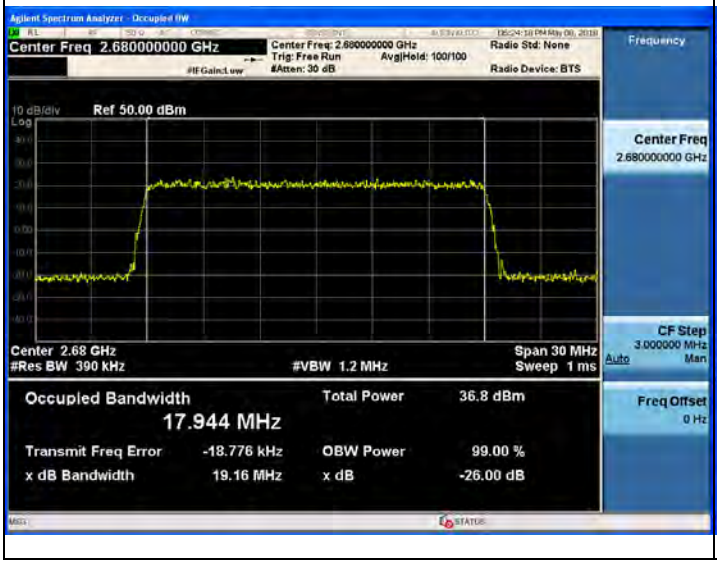
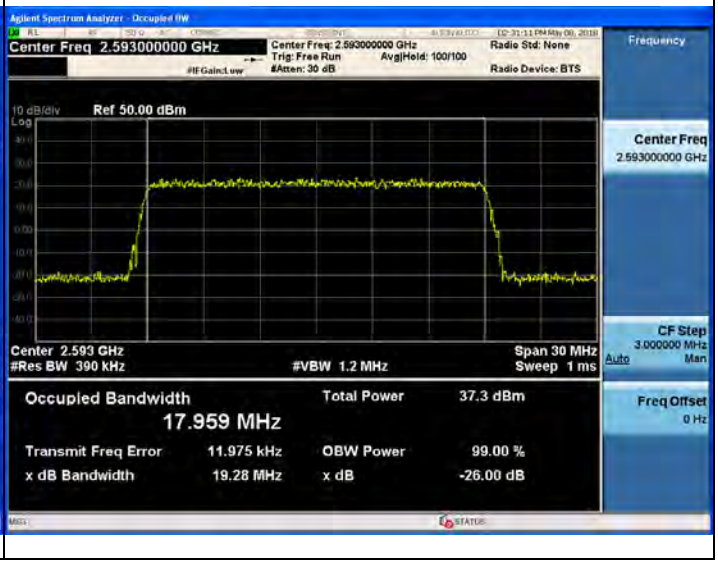
Port 47			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

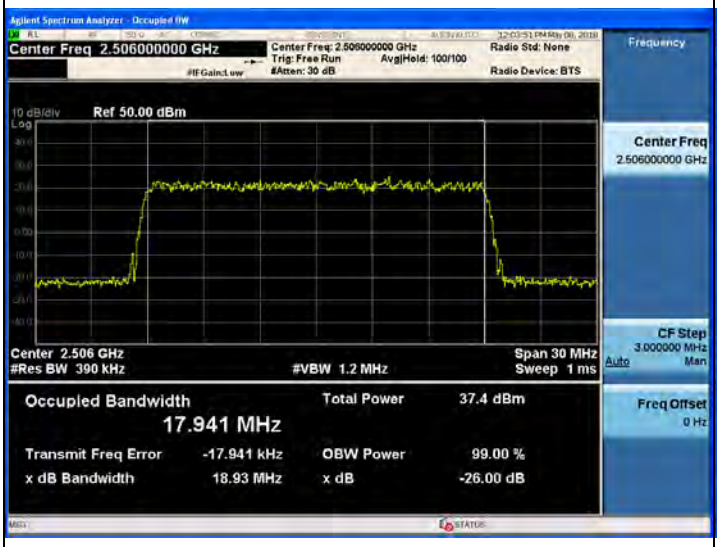
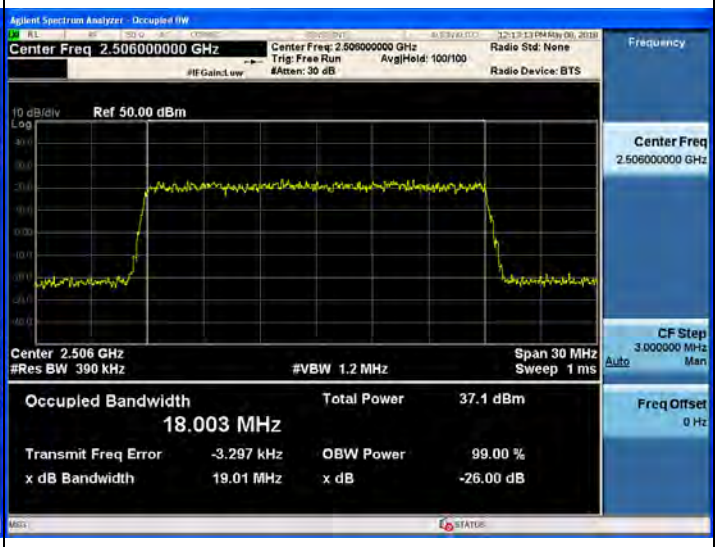
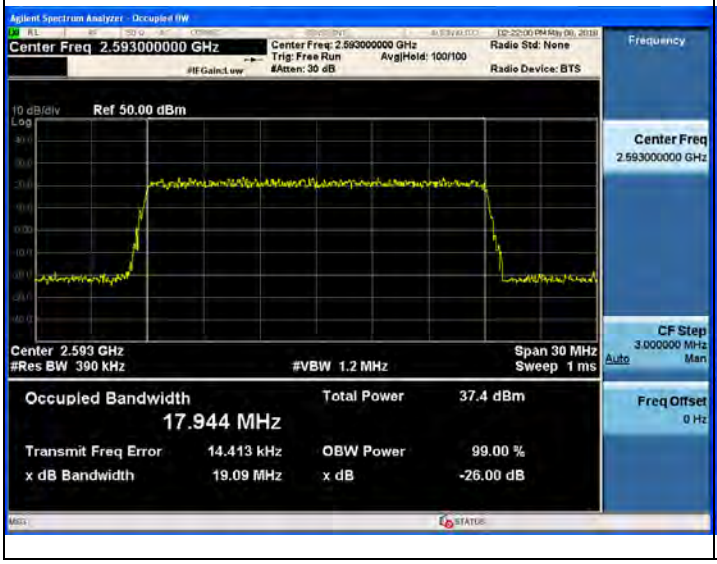
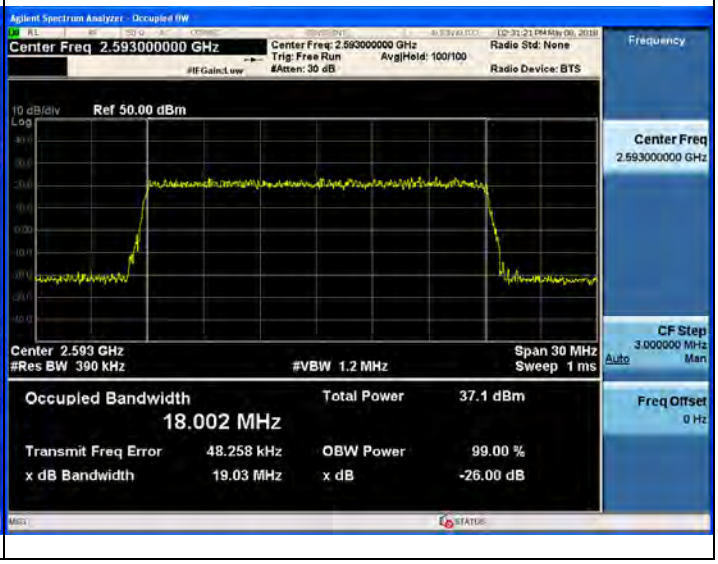
Port 48			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Middle**
			

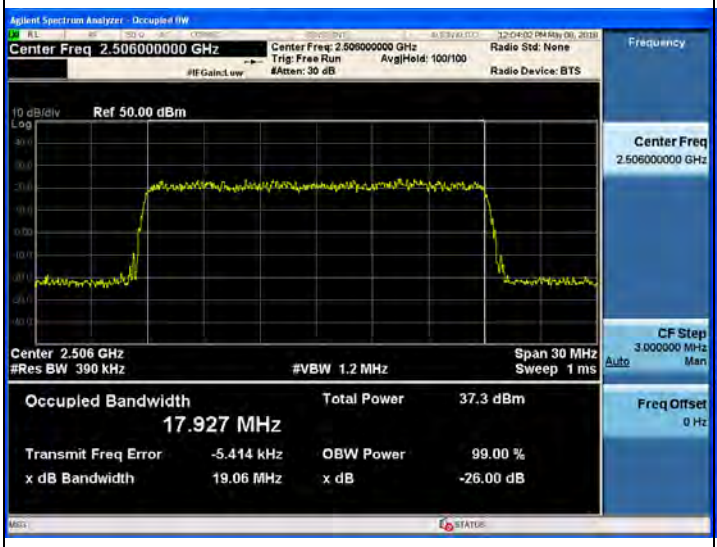
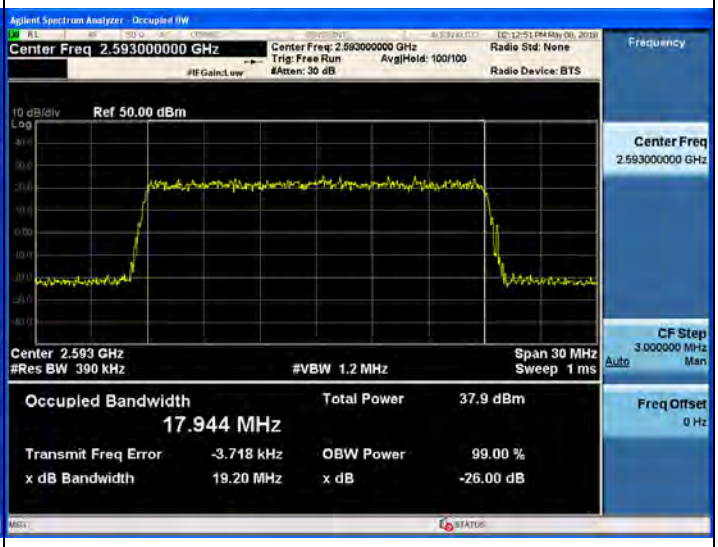
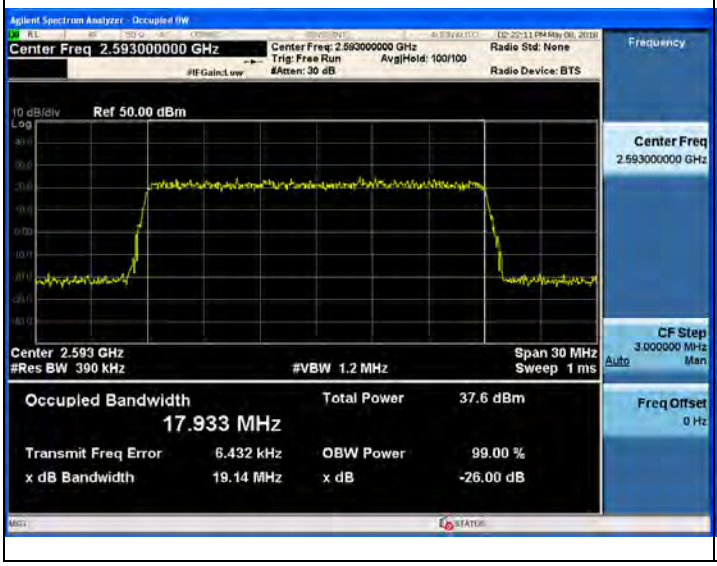
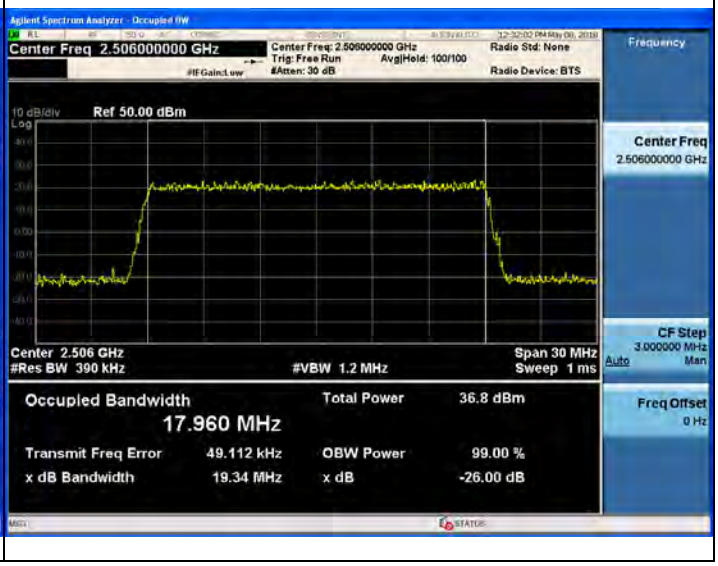
Port 49			
Modulation:	**QPSK**	**Modulation:**	**16 QAM**
Channel:	**Low**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Low**
			

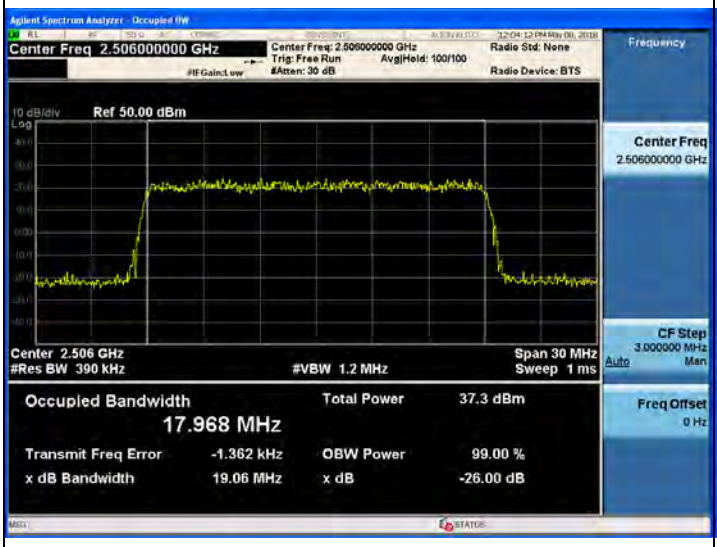
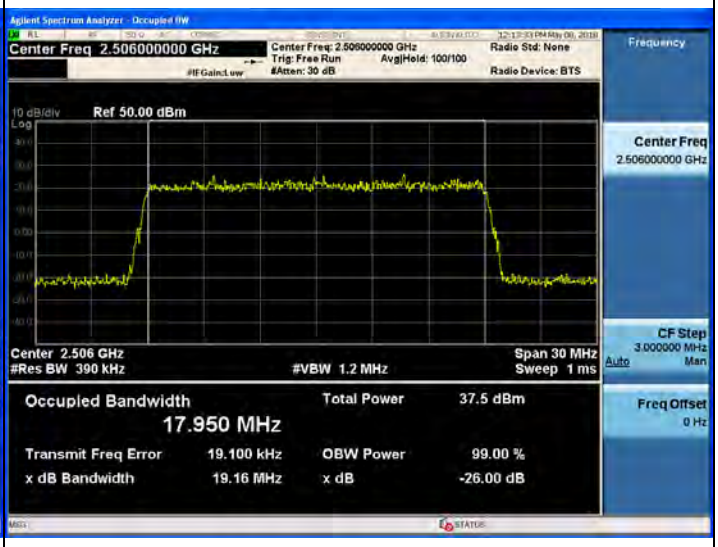
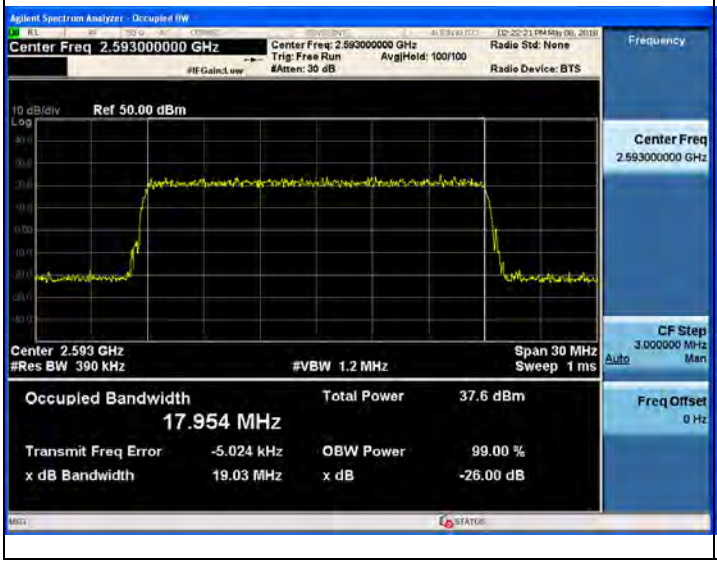
Port 50			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

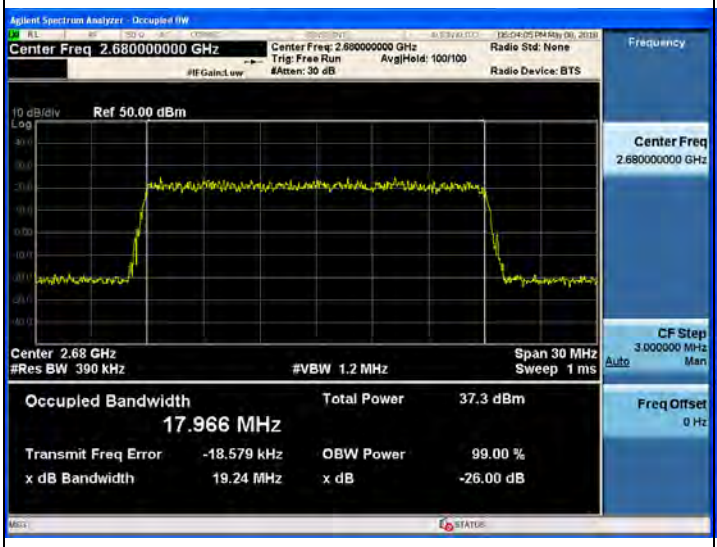
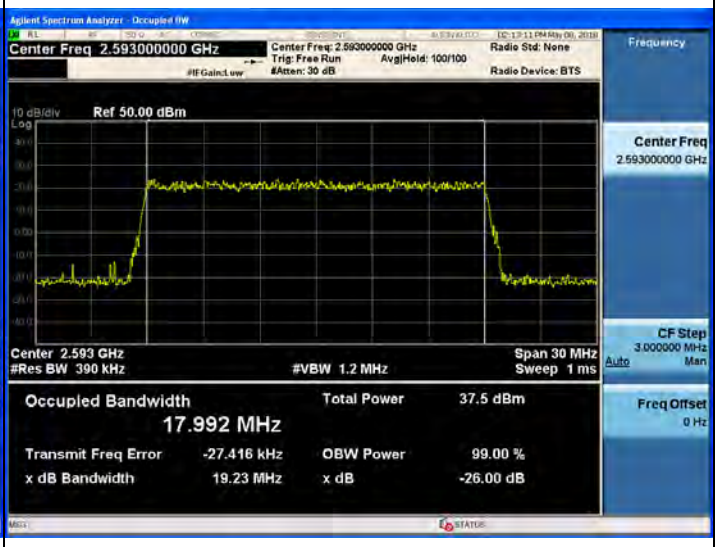
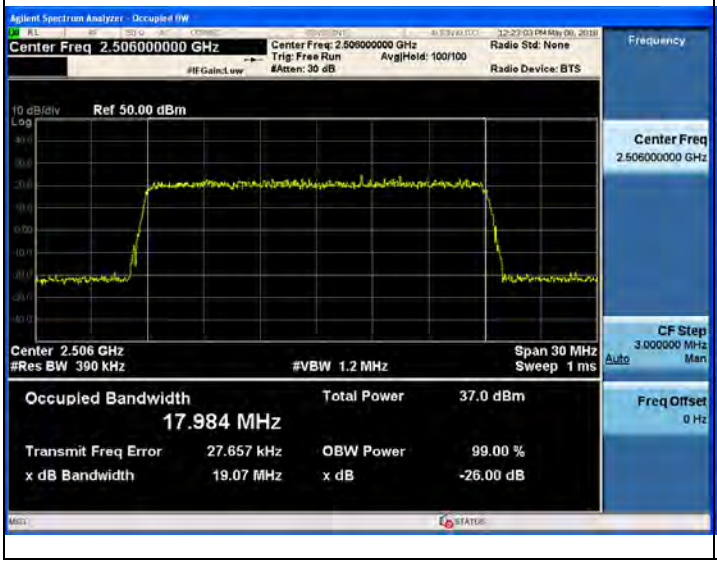
Port 51			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

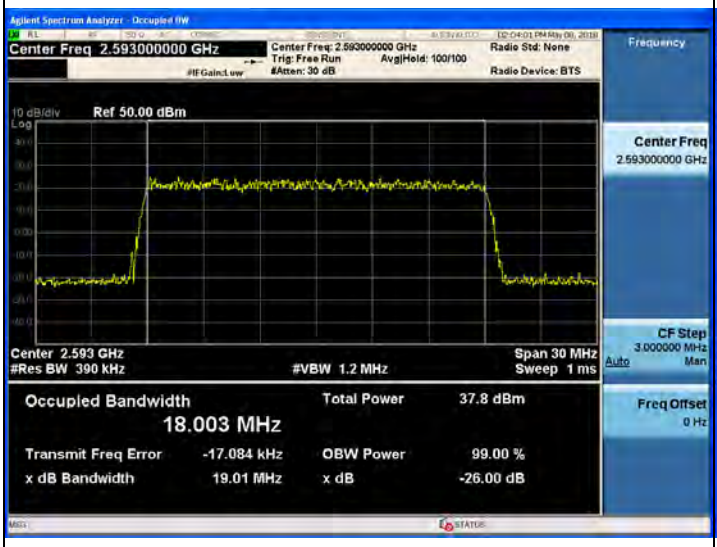
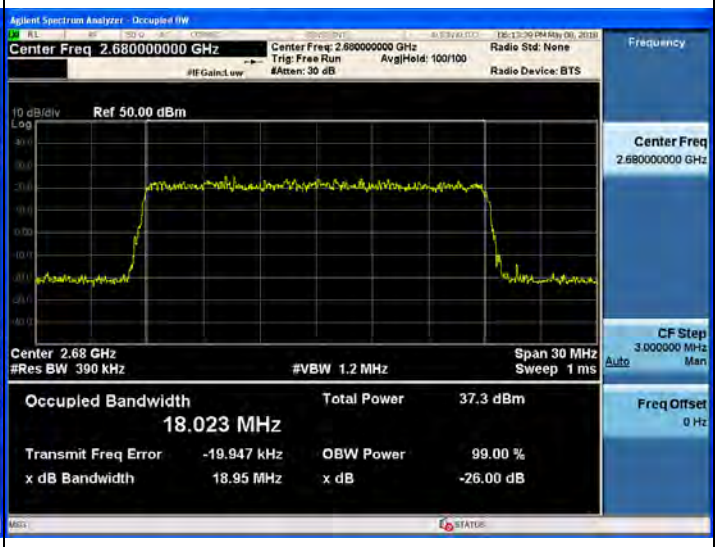
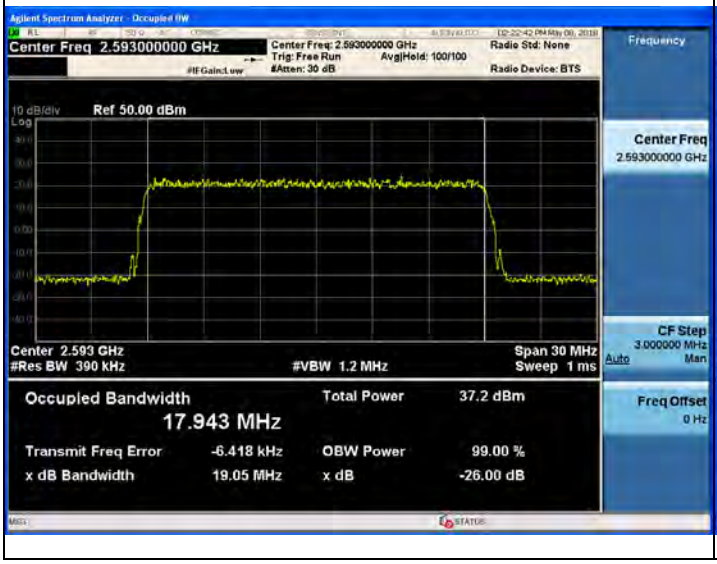
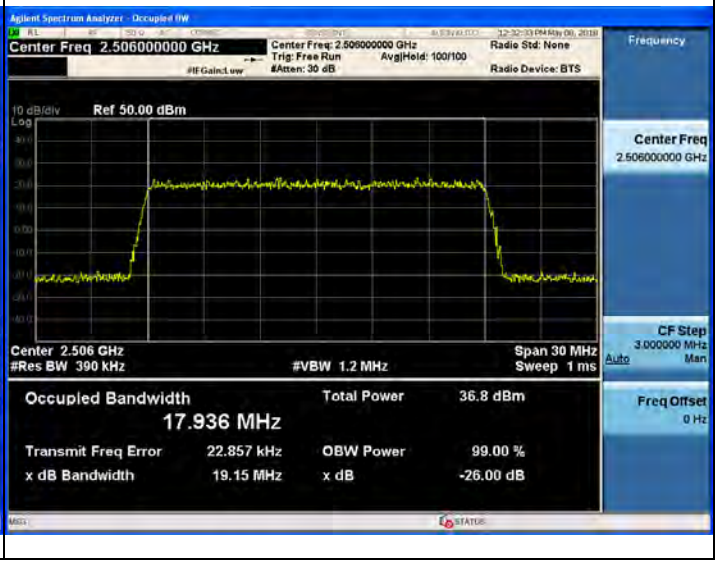
Port 52			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**High**	**Channel:**	**Middle**
			

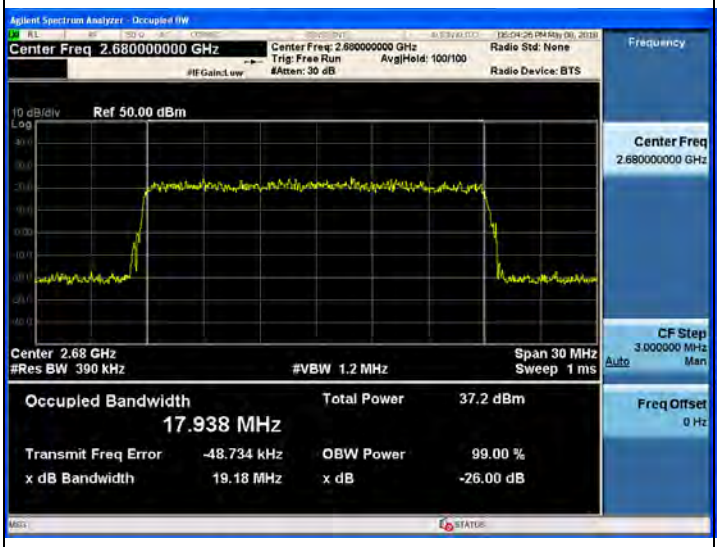
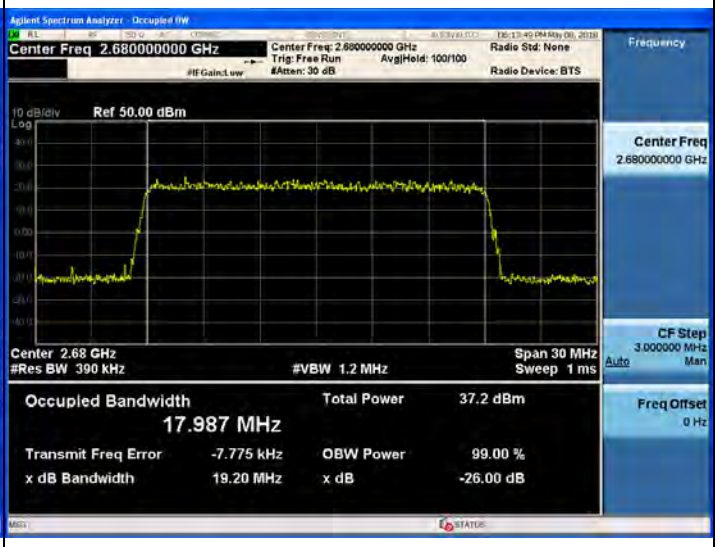
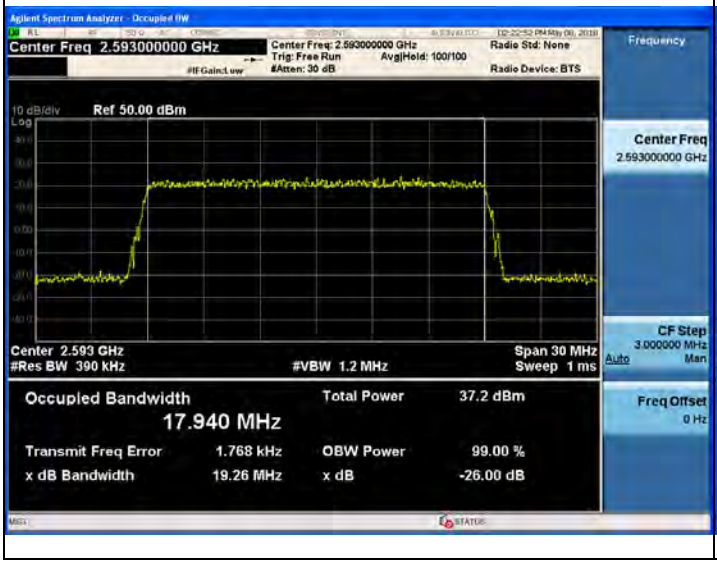
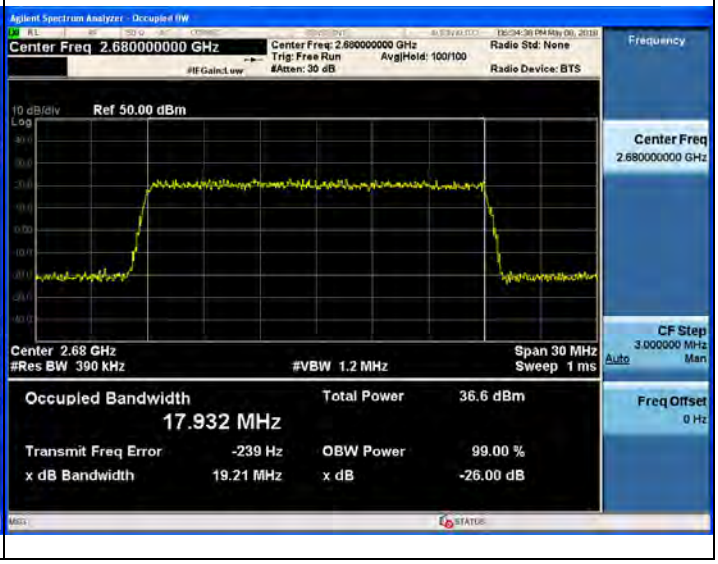
Port 53			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Middle**
			

Port 54			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

Port 55			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Low**	**Channel:**	**Low**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**High**
			

Port 56			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**Middle**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Low**	**Channel:**	**Low**
			

Port 57			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**Middle**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**Low**
			

Port 58			
Modulation:	**QPSK**	**Modulation:**	**16QAM**
Channel:	**High**	**Channel:**	**High**
			
Modulation:	**64QAM**	**Modulation:**	**256QAM**
Channel:	**Middle**	**Channel:**	**High**