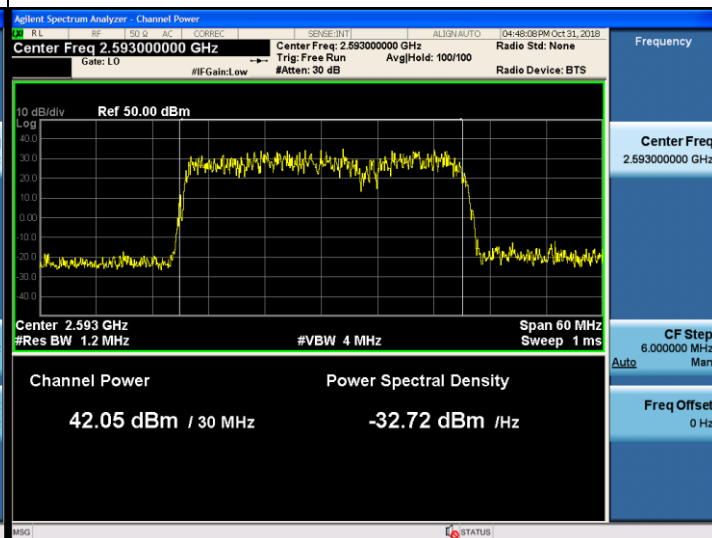
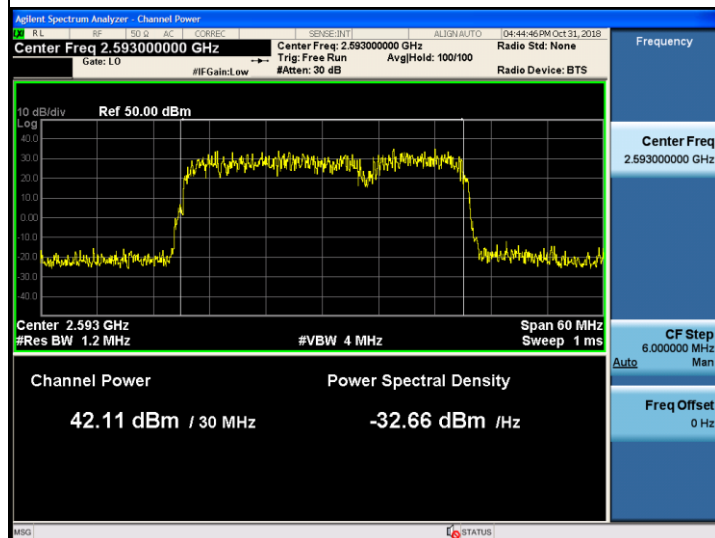
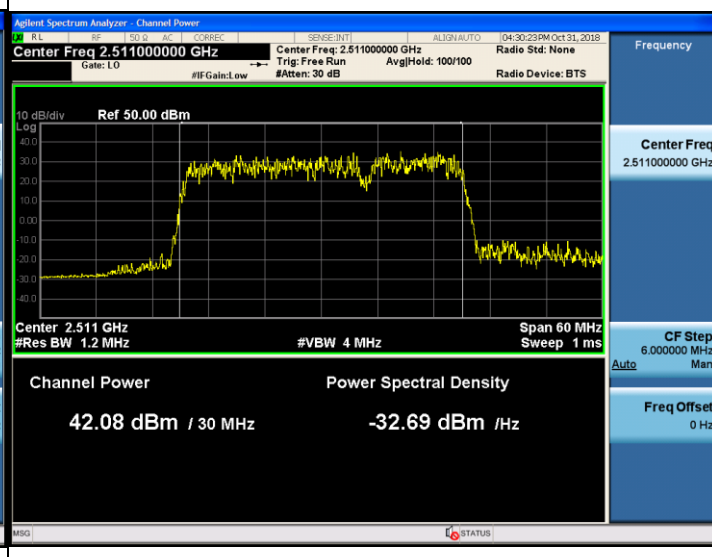
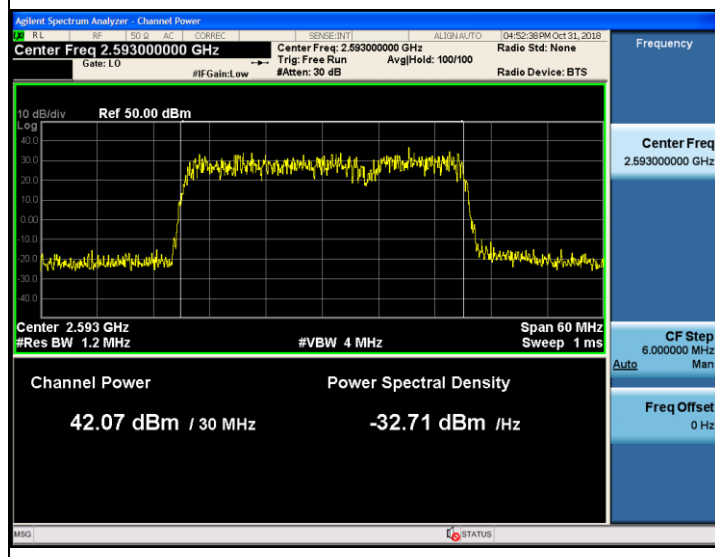


Port 3

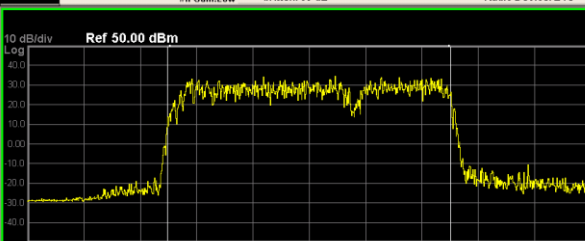
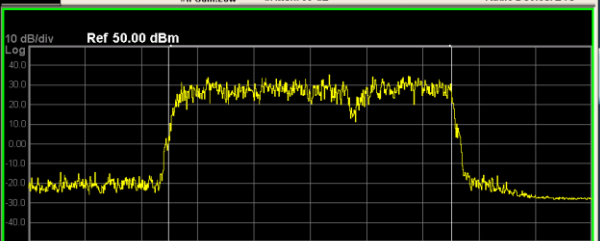
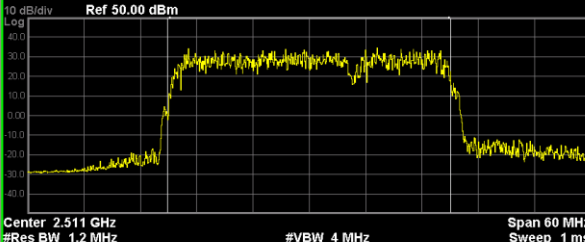
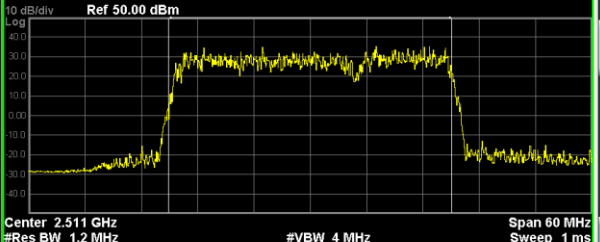
Modulation:	QPSK	Modulation:	16QAM
Channel:	Middle	Channel:	Middle



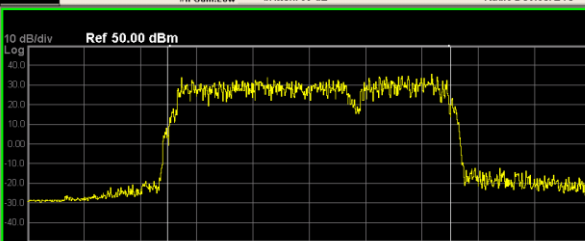
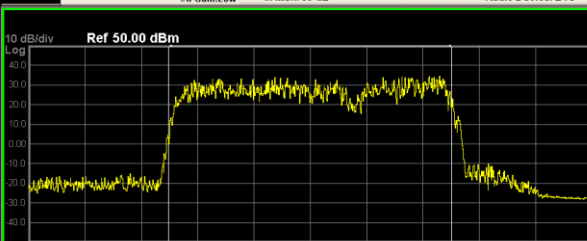
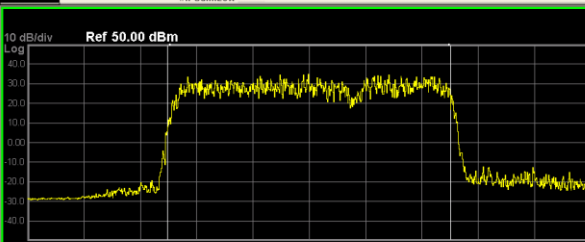
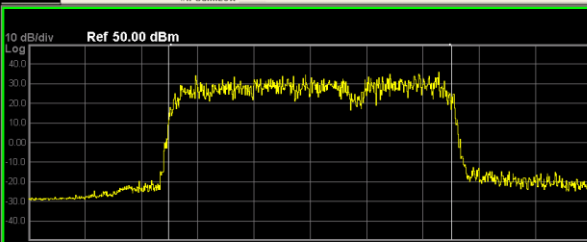
Modulation:	64QAM	Modulation:	256QAM
Channel:	Middle	Channel:	Low



Port 4

Port 4							
Modulation:		QPSK		Modulation:		16QAM	
Channel:		Low		Channel:		High	
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORREC SENSE:INT ALIGN:AUTO 09:05:16 AM Nov 05, 2018 Center Freq 2.511000000 GHz Gate: LO #IF Gain: Low Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log  Center 2.511 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.00 dBm / 30 MHz -32.77 dBm /Hz MSG STATUS				Frequency Center Freq 2.511000000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz			
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORREC SENSE:INT ALIGN:AUTO 09:07:49 AM Nov 07, 2018 Center Freq 2.675000000 GHz Gate: LO #IF Gain: Low Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log  Center 2.675 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 41.94 dBm / 30 MHz -32.83 dBm /Hz MSG STATUS				Frequency Center Freq 2.675000000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz			
Modulation:		64QAM		Modulation:		256QAM	
Channel:		Low		Channel:		Low	
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORREC SENSE:INT ALIGN:AUTO 09:16:27 AM Nov 05, 2018 Center Freq 2.511000000 GHz Gate: LO #IF Gain: Low Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log  Center 2.511 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 41.96 dBm / 30 MHz -32.81 dBm /Hz MSG STATUS				Frequency Center Freq 2.511000000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz			
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORREC SENSE:INT ALIGN:AUTO 09:24:18 AM Nov 05, 2018 Center Freq 2.511000000 GHz Gate: LO #IF Gain: Low Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log  Center 2.511 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.24 dBm / 30 MHz -32.53 dBm /Hz MSG STATUS				Frequency Center Freq 2.511000000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz			

Port 5

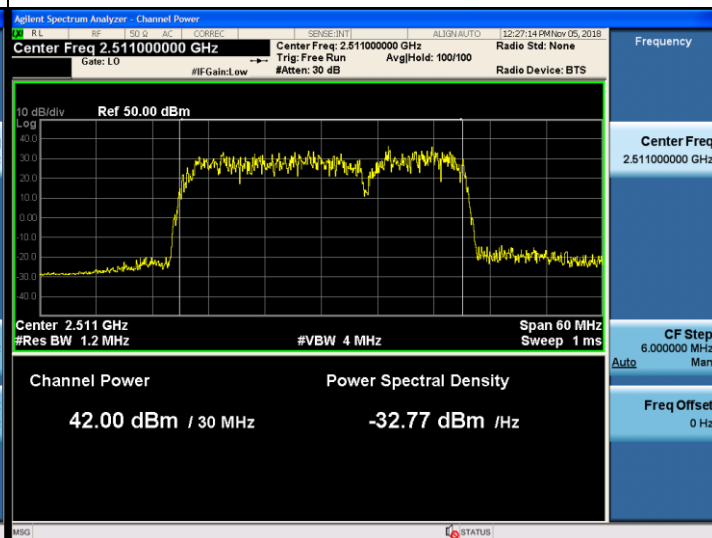
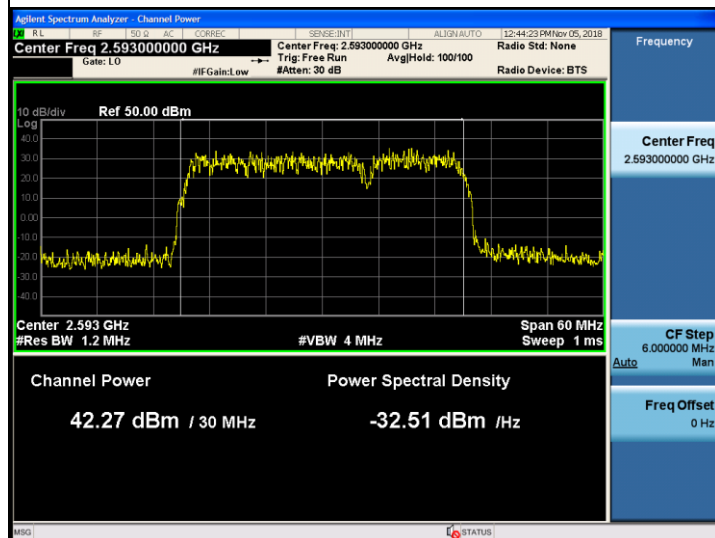
Port 5			
Modulation:		QPSK	
Channel:		Low	
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORREC SENSE:INT ALIGN:AUTO 10:14:18 AM Nov 05, 2018 Center Freq 2.511000000 GHz Gate: LO #IF Gain: Low Center Freq: 2.511000000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log 40.0 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0  Center 2.511 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.49 dBm / 30 MHz -32.28 dBm /Hz Frequency Center Freq 2.511000000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz			
Modulation:		16QAM	
Channel:		High	
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORREC SENSE:INT ALIGN:AUTO 10:55:23 AM Nov 07, 2018 Center Freq 2.675000000 GHz Gate: LO #IF Gain: Low Center Freq: 2.675000000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log 40.0 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0  Center 2.675 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.04 dBm / 30 MHz -32.73 dBm /Hz Frequency Center Freq 2.675000000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz			
Modulation:		64QAM	
Channel:		Low	
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORREC SENSE:INT ALIGN:AUTO 10:20:52 AM Nov 05, 2018 Center Freq 2.511000000 GHz Gate: LO #IF Gain: Low Center Freq: 2.511000000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log 40.0 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0  Center 2.511 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.39 dBm / 30 MHz -32.38 dBm /Hz Frequency Center Freq 2.511000000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz			
Modulation:		256QAM	
Channel:		Low	
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORREC SENSE:INT ALIGN:AUTO 10:24:37 AM Nov 05, 2018 Center Freq 2.511000000 GHz Gate: LO #IF Gain: Low Center Freq: 2.511000000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log 40.0 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0  Center 2.511 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.36 dBm / 30 MHz -32.41 dBm /Hz Frequency Center Freq 2.511000000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz			

Port 6

Port 6							
Modulation:		QPSK		Modulation:		16QAM	
Channel:		Middle		Channel:		Low	
Agilent Spectrum Analyzer - Channel Power Center Freq 2.593000000 GHz Center Freq: 2.593000000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log 40.0 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 Center 2.593 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.13 dBm / 30 MHz -32.64 dBm /Hz Center Freq 2.593000000 GHz CF Step 6.000000 MHz Auto Freq Offset 0 Hz				Agilent Spectrum Analyzer - Channel Power Center Freq 2.511000000 GHz Center Freq: 2.511000000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log 40.0 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 Center 2.511 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.20 dBm / 30 MHz -32.57 dBm /Hz Center Freq 2.511000000 GHz CF Step 6.000000 MHz Auto Freq Offset 0 Hz			
Modulation: 64QAM				Modulation: 256QAM			
Channel: Low		Channel: High					
Agilent Spectrum Analyzer - Channel Power Center Freq 2.511000000 GHz Center Freq: 2.511000000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log 40.0 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 Center 2.511 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.20 dBm / 30 MHz -32.57 dBm /Hz Center Freq 2.511000000 GHz CF Step 6.000000 MHz Auto Freq Offset 0 Hz				Agilent Spectrum Analyzer - Channel Power Center Freq 2.675000000 GHz Center Freq: 2.675000000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 10 dB/div Ref 50.00 dBm Log 40.0 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 Center 2.675 GHz #Res BW 1.2 MHz #VBW 4 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 42.08 dBm / 30 MHz -32.69 dBm /Hz Center Freq 2.675000000 GHz CF Step 6.000000 MHz Auto Freq Offset 0 Hz			

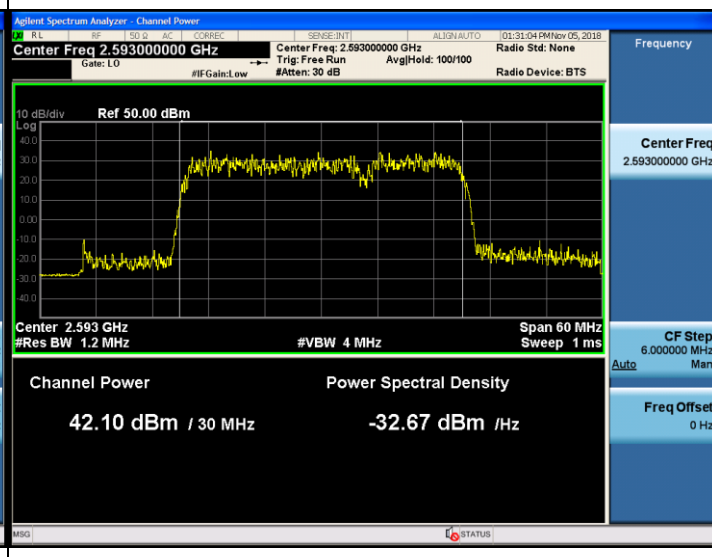
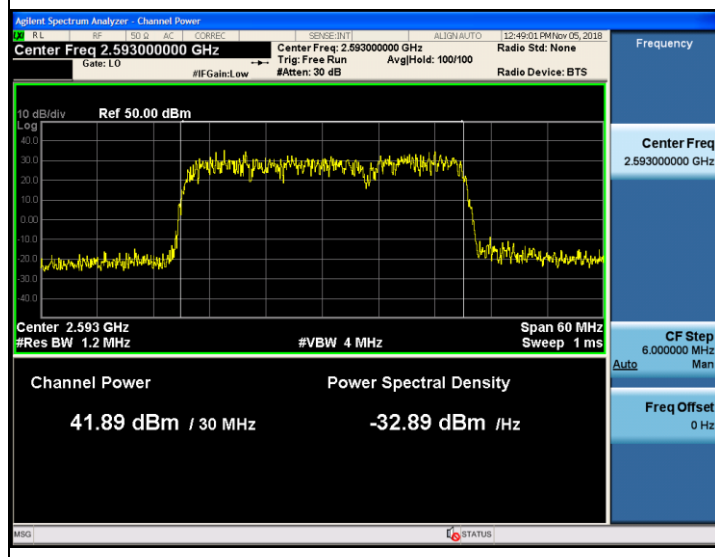
Port 7

Modulation:	QPSK	Modulation:	16QAM
Channel:	Middle	Channel:	Low



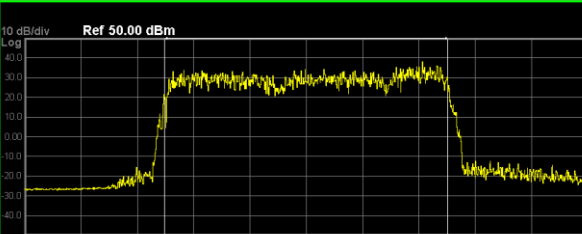
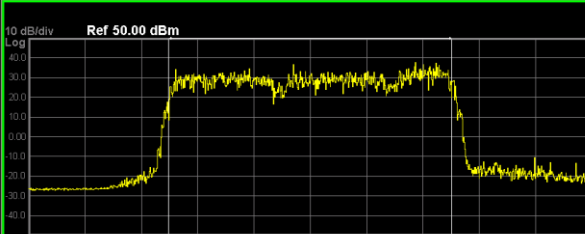
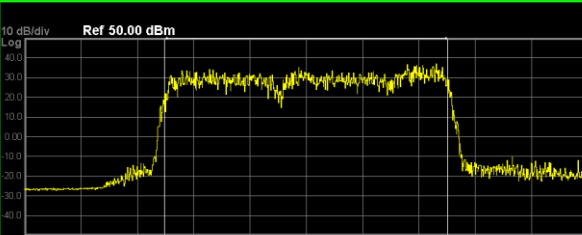
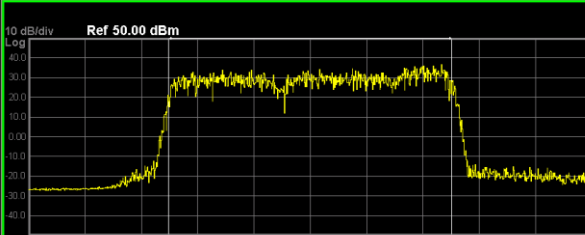
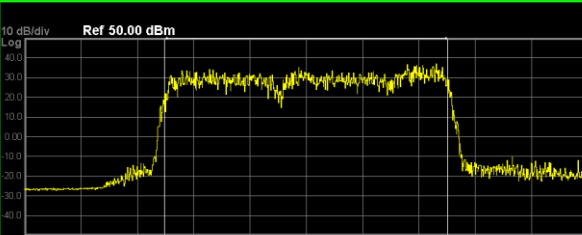
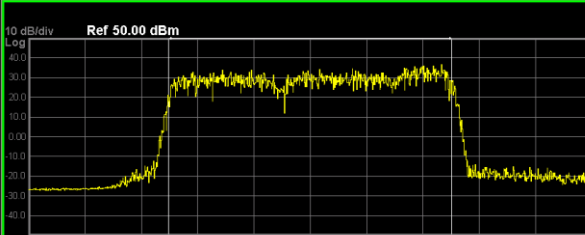
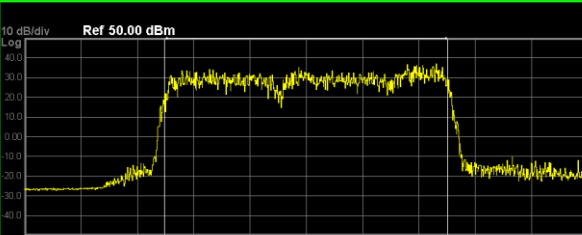
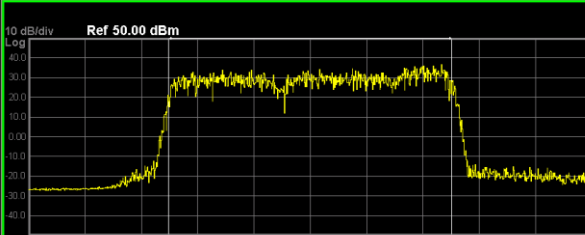
Modulation:	64QAM
Channel:	Middle

Modulation:	256QAM
Channel:	Middle



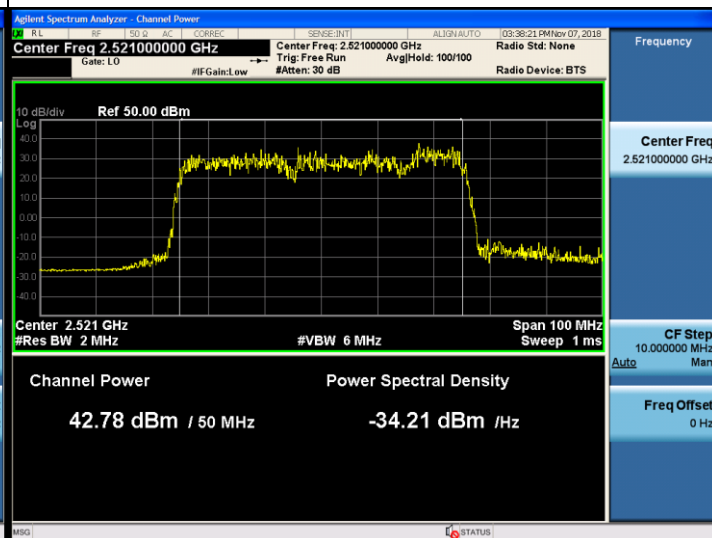
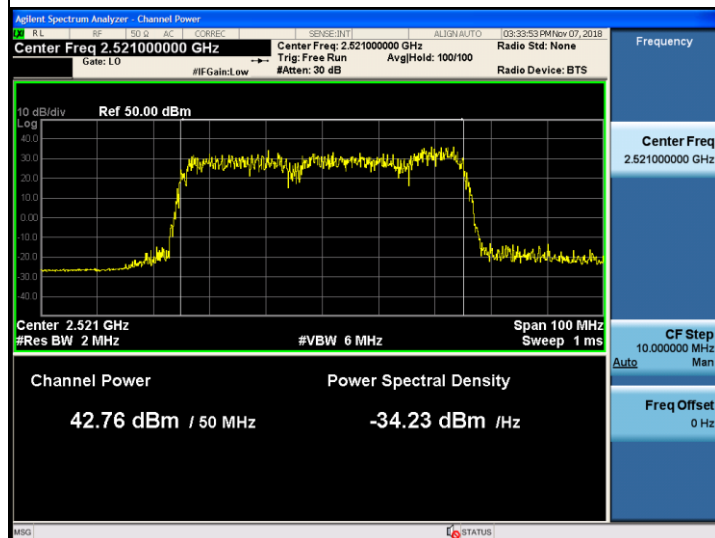
Plots of Output Power - 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port 0

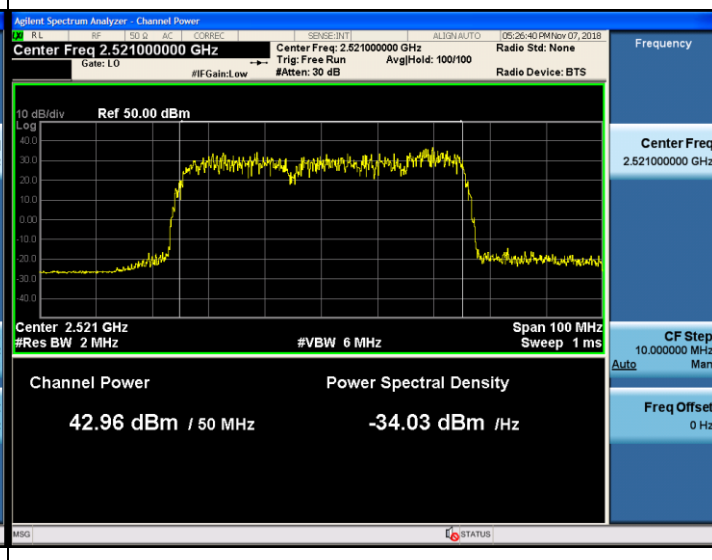
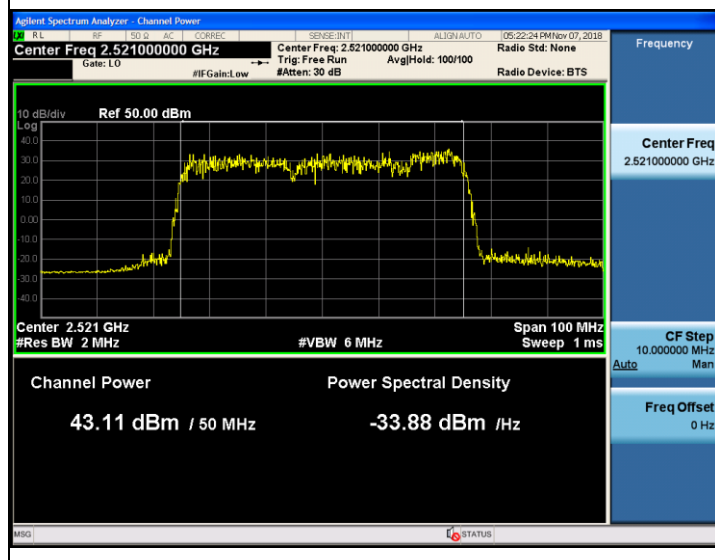
Port 0															
Modulation:		QPSK													
Channel:		Low													
Modulation:		16QAM													
Channel:		Low													
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORRECT SENSE:INT1 ALIGN:AUTO 03:19:54 PM Nov 07, 2018 Center Freq 2.521000000 GHz Gate: LO #IF Gain: Low Trig: Free Run #Atten: 30 dB Avg/Hold: 100/100 Radio Std: None Radio Device: BTS  Center 2.521 GHz #Res BW 2 MHz #VBW 6 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Auto Channel Power Power Spectral Density 43.37 dBm / 50 MHz -33.62 dBm /Hz Freq Offset 0 Hz MSG STATUS Frequency Center Freq 2.521000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORRECT SENSE:INT1 ALIGN:AUTO 03:22:45 PM Nov 07, 2018 Center Freq 2.521000000 GHz Gate: LO #IF Gain: Low Trig: Free Run #Atten: 30 dB Avg/Hold: 100/100 Radio Std: None Radio Device: BTS  Center 2.521 GHz #Res BW 2 MHz #VBW 6 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Auto Channel Power Power Spectral Density 43.35 dBm / 50 MHz -33.64 dBm /Hz Freq Offset 0 Hz MSG STATUS Frequency Center Freq 2.521000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz <tr><td colspan="2">Modulation:</td><td colspan="2">64QAM</td></tr> <tr><td colspan="2">Channel:</td><td colspan="2">Low</td></tr> <tr><td colspan="4"> Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORRECT SENSE:INT1 ALIGN:AUTO 03:26:18 PM Nov 07, 2018 Center Freq 2.521000000 GHz Gate: LO #IF Gain: Low Trig: Free Run #Atten: 30 dB Avg/Hold: 100/100 Radio Std: None Radio Device: BTS  Center 2.521 GHz #Res BW 2 MHz #VBW 6 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Auto Channel Power Power Spectral Density 43.38 dBm / 50 MHz -33.61 dBm /Hz Freq Offset 0 Hz MSG STATUS Frequency Center Freq 2.521000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORRECT SENSE:INT1 ALIGN:AUTO 03:29:08 PM Nov 07, 2018 Center Freq 2.521000000 GHz Gate: LO #IF Gain: Low Trig: Free Run #Atten: 30 dB Avg/Hold: 100/100 Radio Std: None Radio Device: BTS  Center 2.521 GHz #Res BW 2 MHz #VBW 6 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Auto Channel Power Power Spectral Density 43.42 dBm / 50 MHz -33.57 dBm /Hz Freq Offset 0 Hz MSG STATUS Frequency Center Freq 2.521000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz </td></tr>				Modulation:		64QAM		Channel:		Low		Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORRECT SENSE:INT1 ALIGN:AUTO 03:26:18 PM Nov 07, 2018 Center Freq 2.521000000 GHz Gate: LO #IF Gain: Low Trig: Free Run #Atten: 30 dB Avg/Hold: 100/100 Radio Std: None Radio Device: BTS  Center 2.521 GHz #Res BW 2 MHz #VBW 6 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Auto Channel Power Power Spectral Density 43.38 dBm / 50 MHz -33.61 dBm /Hz Freq Offset 0 Hz MSG STATUS Frequency Center Freq 2.521000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORRECT SENSE:INT1 ALIGN:AUTO 03:29:08 PM Nov 07, 2018 Center Freq 2.521000000 GHz Gate: LO #IF Gain: Low Trig: Free Run #Atten: 30 dB Avg/Hold: 100/100 Radio Std: None Radio Device: BTS  Center 2.521 GHz #Res BW 2 MHz #VBW 6 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Auto Channel Power Power Spectral Density 43.42 dBm / 50 MHz -33.57 dBm /Hz Freq Offset 0 Hz MSG STATUS Frequency Center Freq 2.521000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz			
Modulation:		64QAM													
Channel:		Low													
Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORRECT SENSE:INT1 ALIGN:AUTO 03:26:18 PM Nov 07, 2018 Center Freq 2.521000000 GHz Gate: LO #IF Gain: Low Trig: Free Run #Atten: 30 dB Avg/Hold: 100/100 Radio Std: None Radio Device: BTS  Center 2.521 GHz #Res BW 2 MHz #VBW 6 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Auto Channel Power Power Spectral Density 43.38 dBm / 50 MHz -33.61 dBm /Hz Freq Offset 0 Hz MSG STATUS Frequency Center Freq 2.521000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz Agilent Spectrum Analyzer - Channel Power RL RF 50 dB AC CORRECT SENSE:INT1 ALIGN:AUTO 03:29:08 PM Nov 07, 2018 Center Freq 2.521000000 GHz Gate: LO #IF Gain: Low Trig: Free Run #Atten: 30 dB Avg/Hold: 100/100 Radio Std: None Radio Device: BTS  Center 2.521 GHz #Res BW 2 MHz #VBW 6 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Auto Channel Power Power Spectral Density 43.42 dBm / 50 MHz -33.57 dBm /Hz Freq Offset 0 Hz MSG STATUS Frequency Center Freq 2.521000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz															

Port 1

Modulation:	QPSK	Modulation:	16QAM
Channel:	Low	Channel:	Low

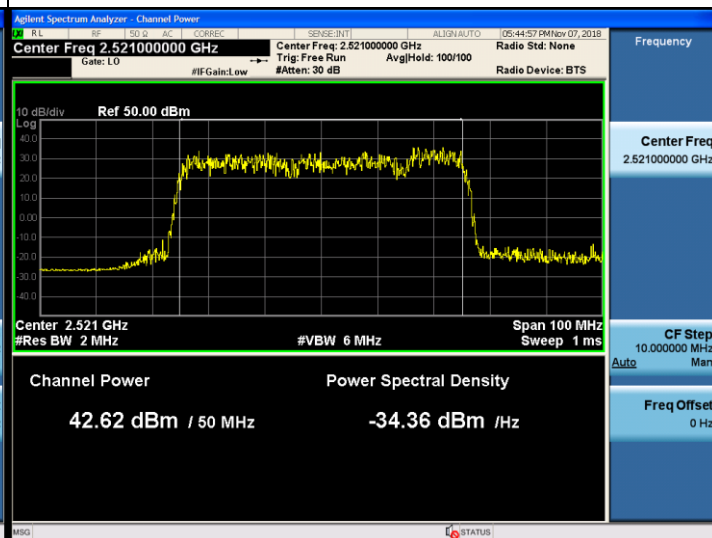
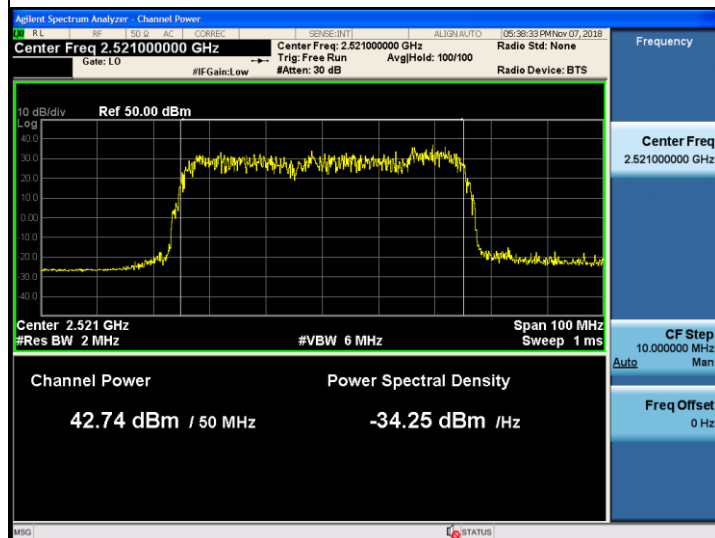


Modulation:	64QAM	Modulation:	256QAM
Channel:	Low	Channel:	Low

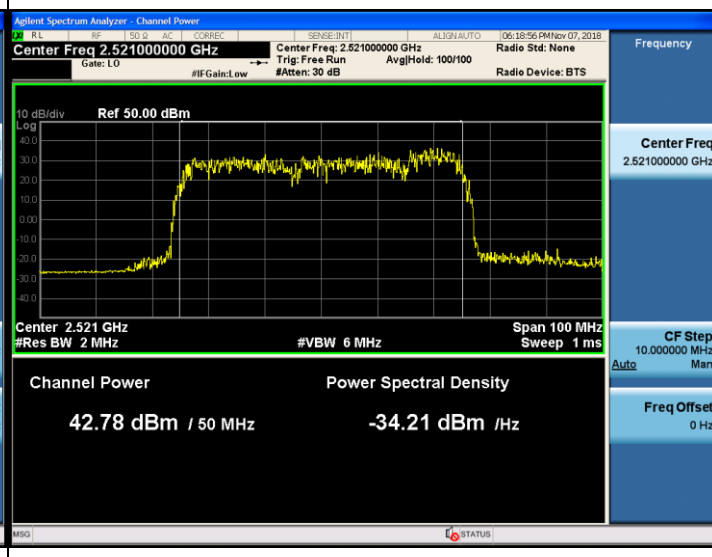
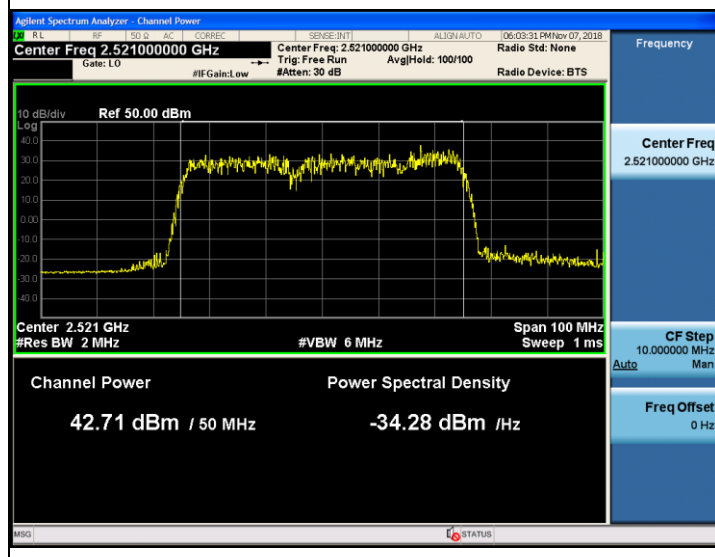


Port 2

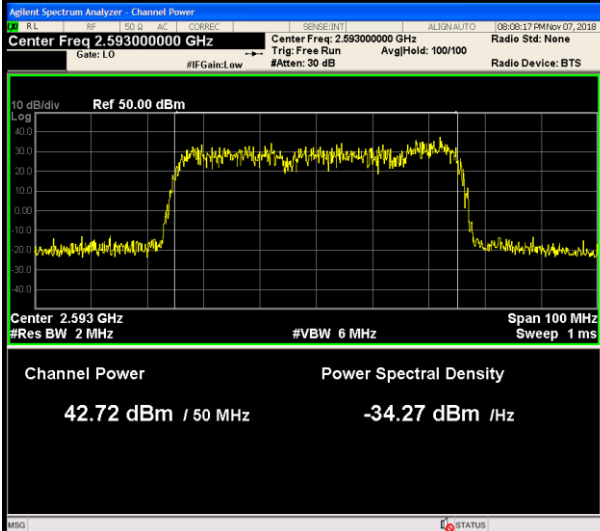
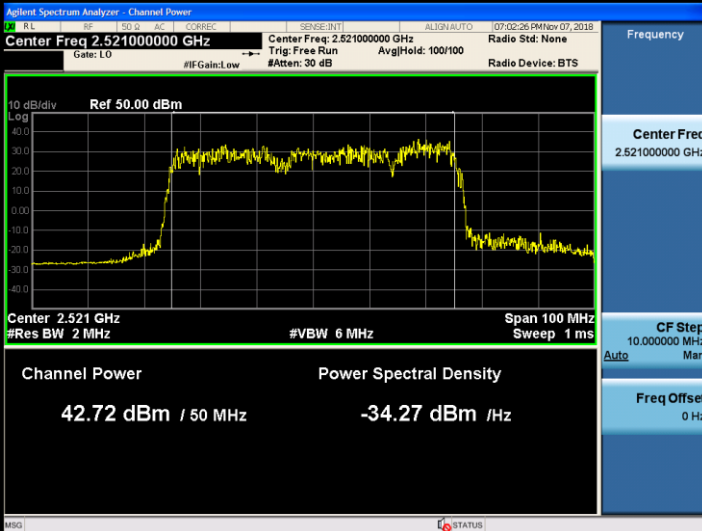
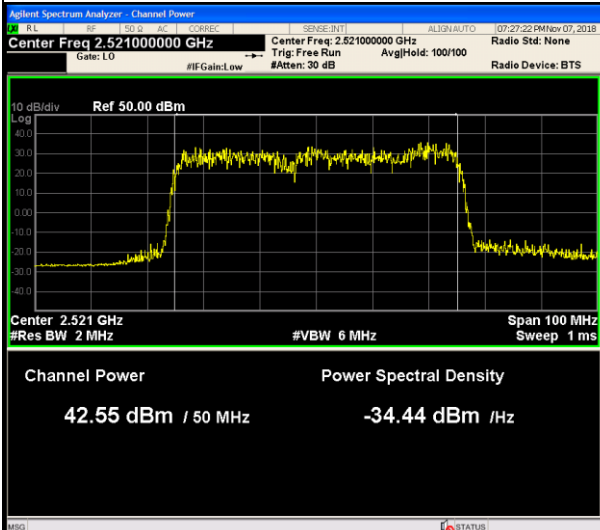
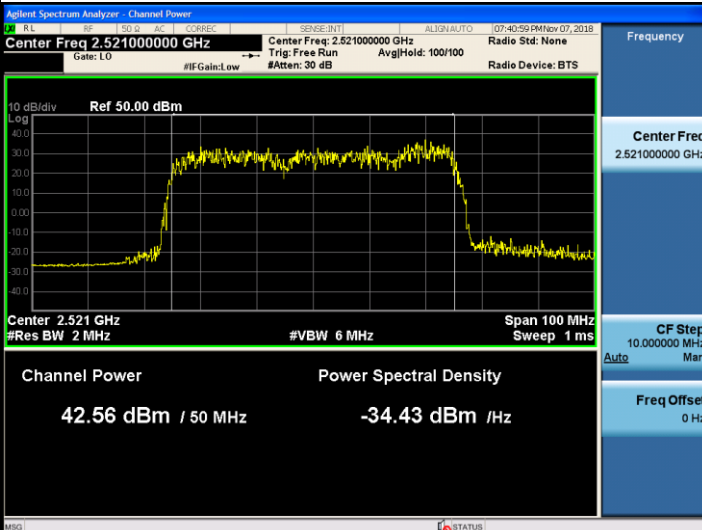
Modulation:	QPSK	Modulation:	16QAM
Channel:	Low	Channel:	Low



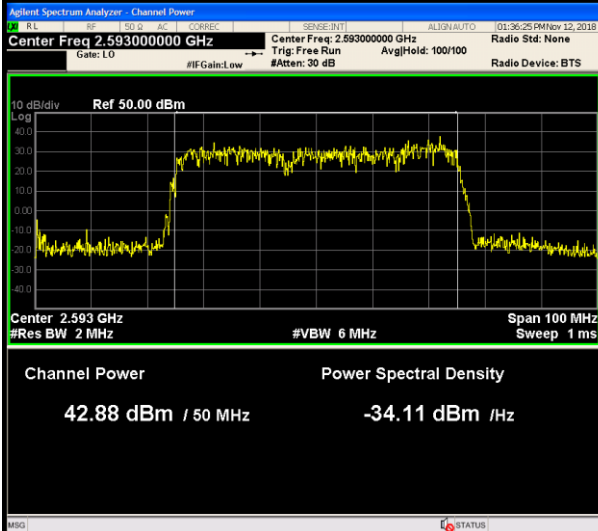
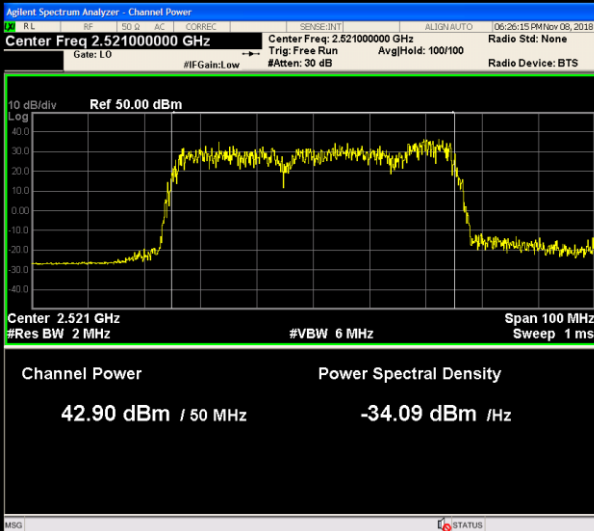
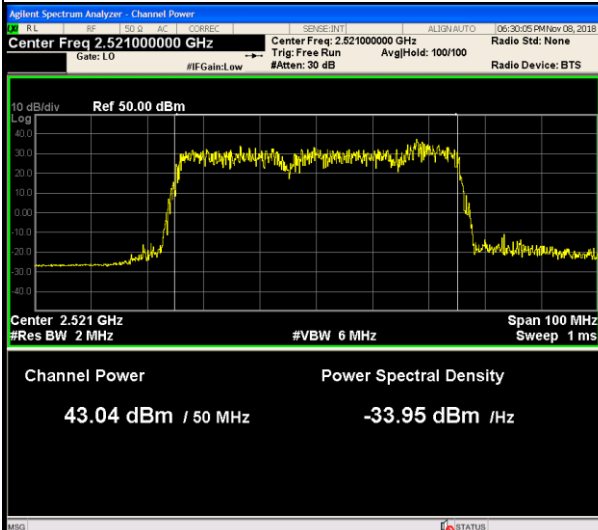
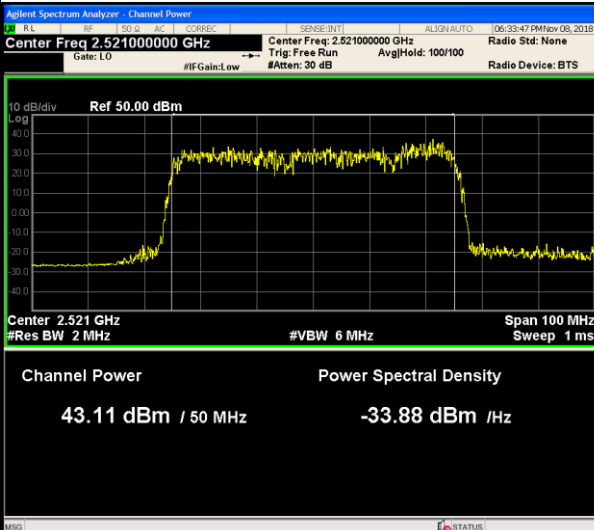
Modulation:	64QAM	Modulation:	256QAM
Channel:	Low	Channel:	Low



Port 3

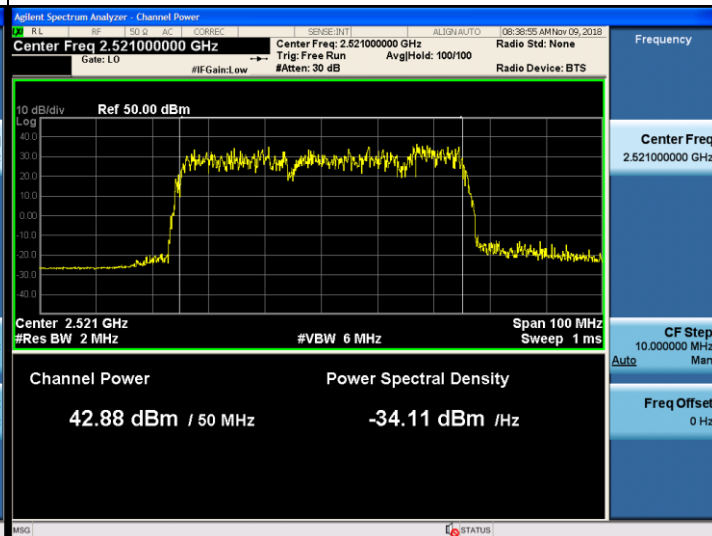
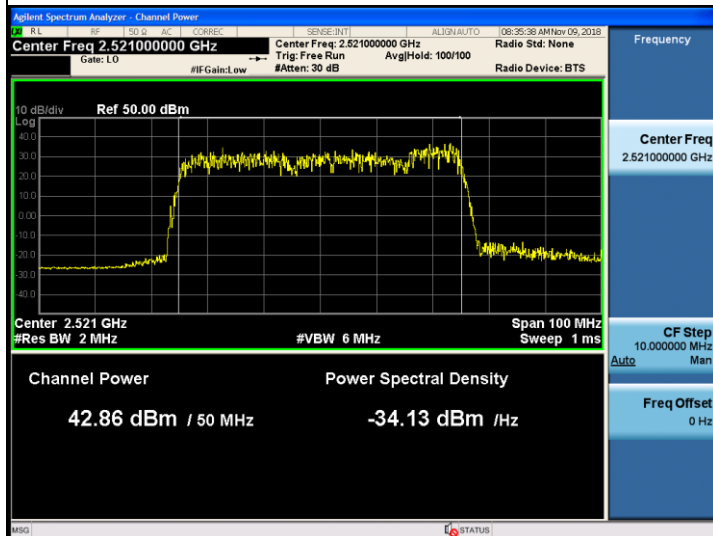
Port 3			
Modulation:		QPSK	
Channel:		Middle	
			
Modulation:		16QAM	
Channel:		Low	
			

Port 4

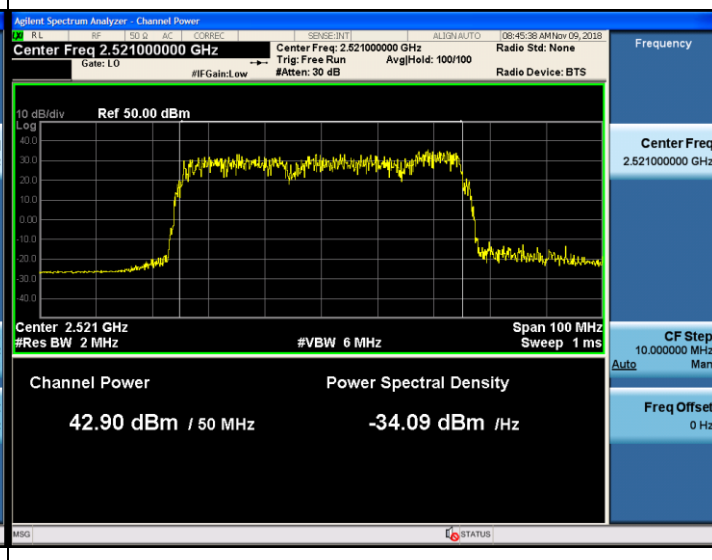
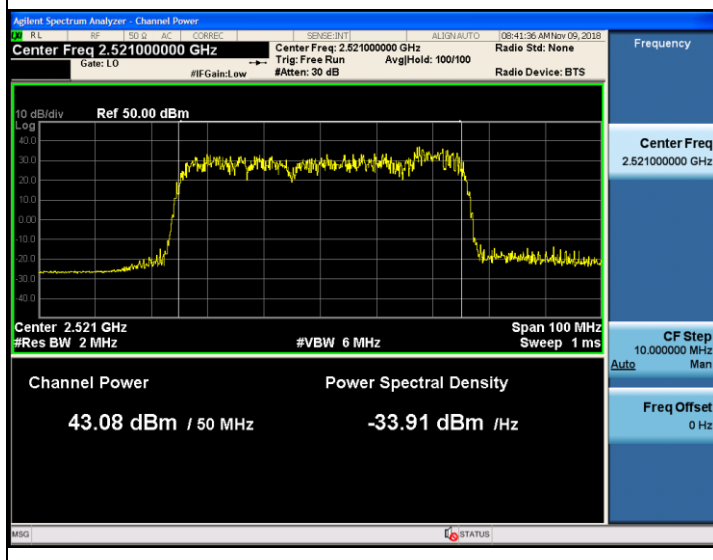
Port 4			
Modulation:		QPSK	
Channel:		Middle	
			
Modulation:		16QAM	
Channel:		Low	
			

Port 5

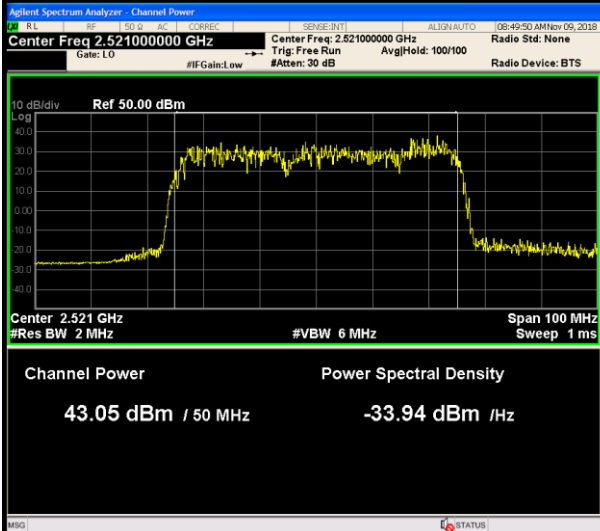
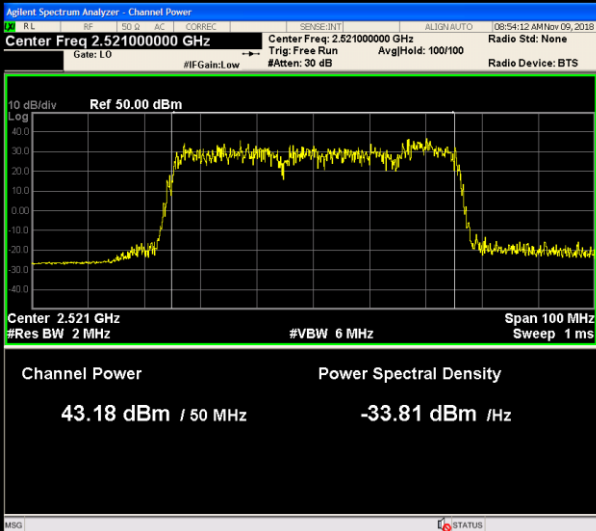
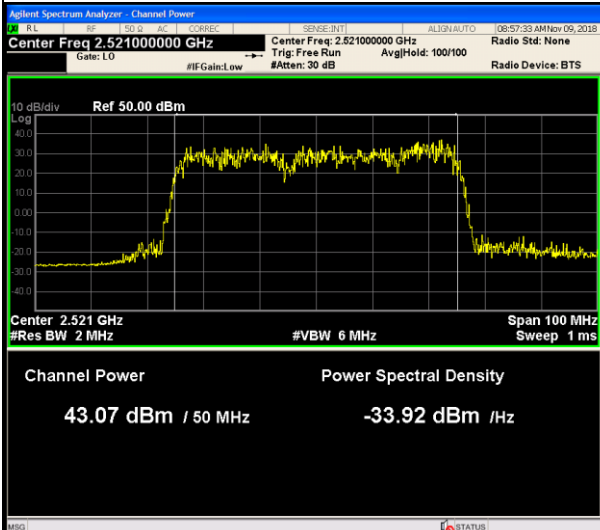
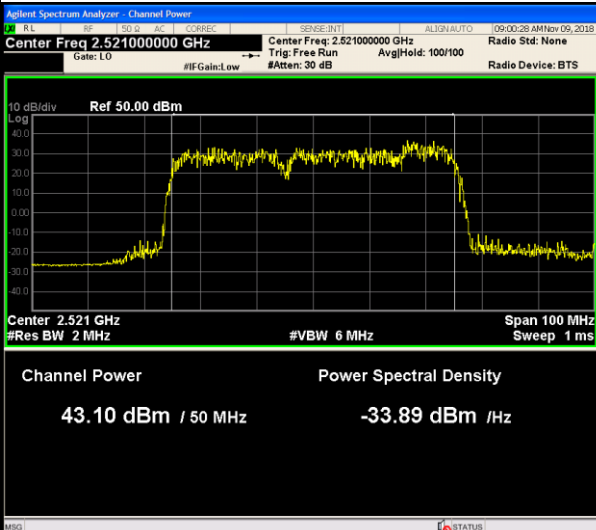
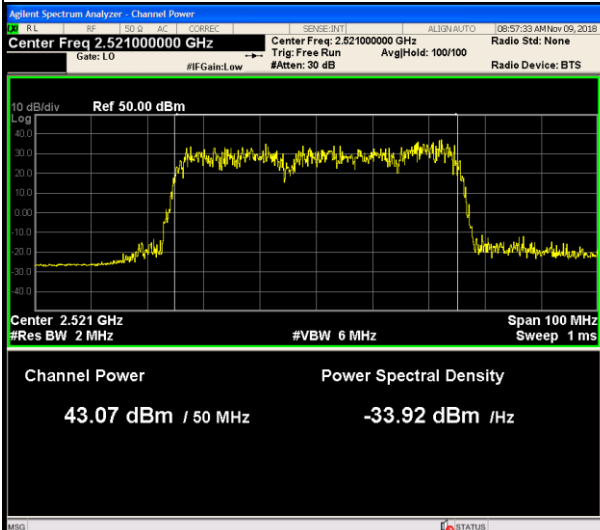
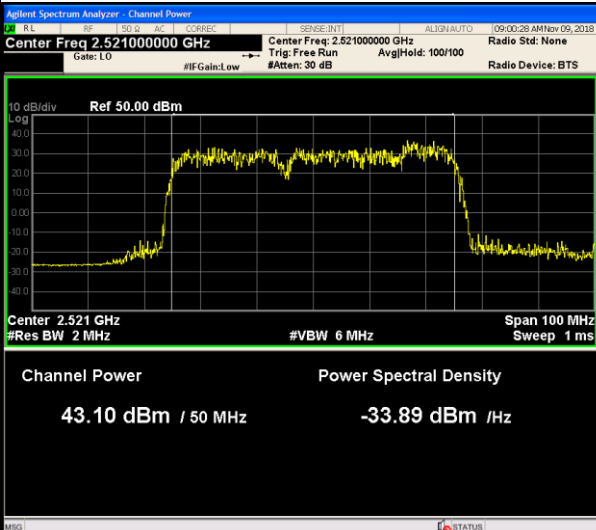
Modulation:	QPSK	Modulation:	16QAM
Channel:	Low	Channel:	Low



Modulation:	64QAM	Modulation:	256QAM
Channel:	Low	Channel:	Low

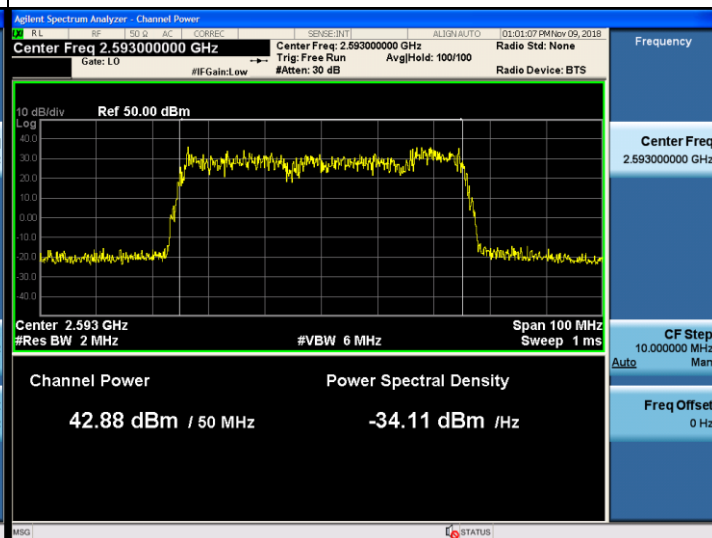
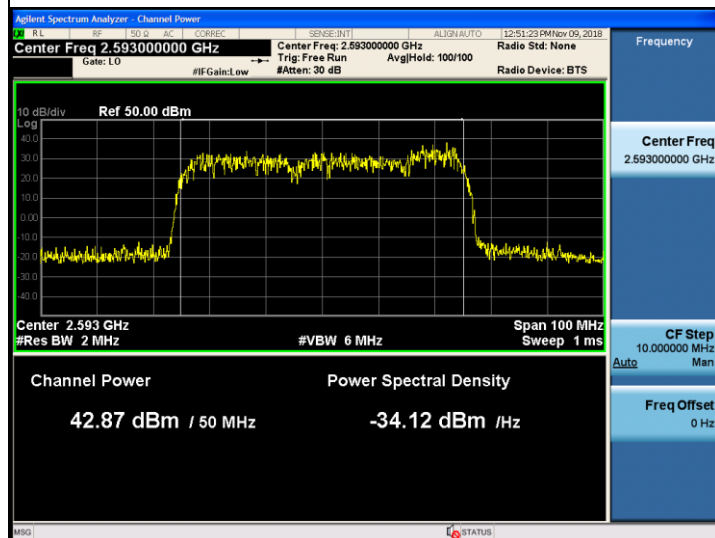


Port 6

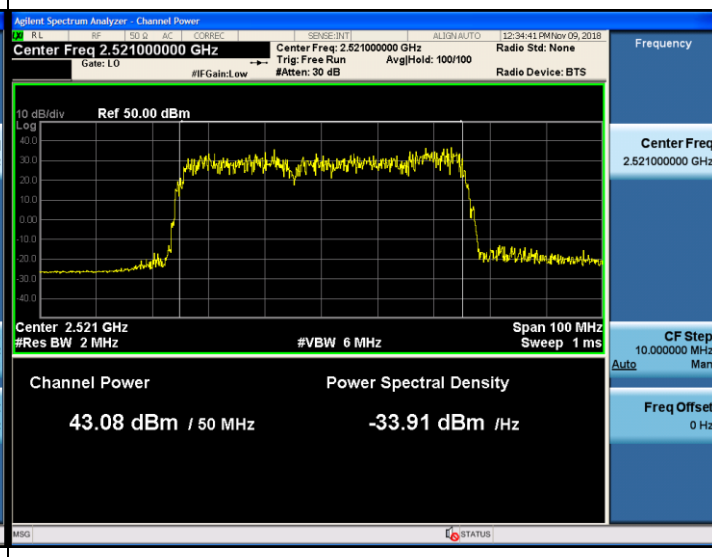
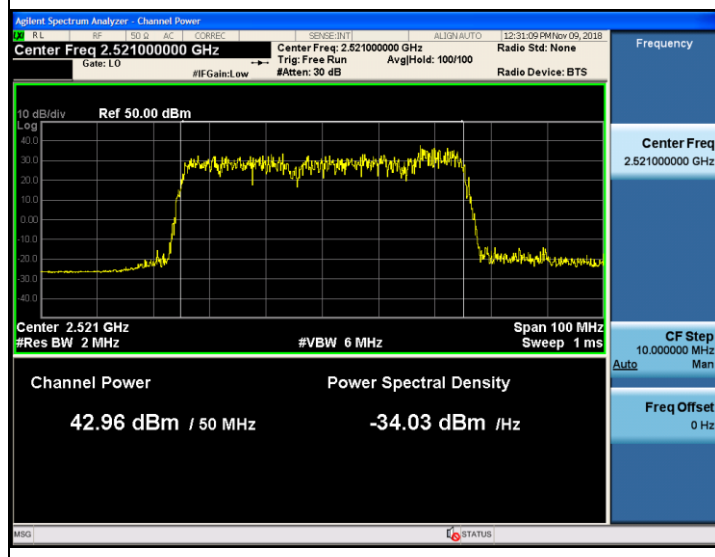
Port 6			
Modulation:		QPSK	
Channel:		Low	
			
Modulation:		16QAM	
Channel:		Low	
			
Modulation:		64QAM	
Channel:		Low	
			
Modulation:		256QAM	
Channel:		Low	

Port 7

Modulation:	QPSK	Modulation:	16QAM
Channel:	Middle	Channel:	Middle



Modulation:	64QAM	Modulation:	256QAM
Channel:	Low	Channel:	Low



5.2. OCCUPIED BANDWIDTH

FCC Rules

Test Requirements:

§ 2.1049 Measurements required: Occupied bandwidth.

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the specified conditions of § 2.1049 (a) through (i) as applicable.

Test Procedures:

The measurement is performed in accordance with Section 5.4.3 and 5.4.4 of ANSI C63.26.

5.4.3 Occupied bandwidth—Relative measurement procedure

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.
- d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- f) Determine the reference value by either of the following:
 - 1) Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the Highest level of the displayed trace (this is the reference value).
 - 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
- g) Determine the “-X dB amplitude” as equal to (Reference Value - X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- h) If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
- i) Place two markers, one at the lowest and the other at the Highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB amplitude” determined in step f). If a marker is below this “-X dB amplitude” value it should be as close as possible to this value. The OBW is the positive

frequency difference between the two markers. The spectral envelope can cross the “-X dB amplitude” at multiple points. The lowest or Highest frequency shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the “-X dB amplitude.”

j) The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

5.4.4 Occupied bandwidth—Power bandwidth (99%) measurement procedure

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (typically a span of $1.5 \times \text{OBW}$ is sufficient).

b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.

c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.

NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.

d) Set the detection mode to peak, and the trace mode to max-hold.

e) If the instrument does not have a 99% OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5% of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5% of the total is reached and record that frequency as the upper OBW frequency. The 99% power OBW can be determined by computing the difference these two frequencies.

f) The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

Test Results:
20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	Measured Bandwidth (MHz)
Port 0	QPSK	Low	2498.5000	28.882
		Middle	2593.0000	28.889
		High	2687.5000	28.503
	16QAM	Low	2498.5000	28.719
		Middle	2593.0000	28.764
		High	2687.5000	28.952
	64QAM	Low	2498.5000	28.635
		Middle	2593.0000	28.597
		High	2687.5000	28.581
	256QAM	Low	2498.5000	28.716
		Middle	2593.0000	28.788
		High	2687.5000	28.710
Port 1	QPSK	Low	2498.5000	28.736
		Middle	2593.0000	28.607
		High	2687.5000	28.772
	16QAM	Low	2498.5000	28.495
		Middle	2593.0000	28.530
		High	2687.5000	28.890
	64QAM	Low	2498.5000	28.823
		Middle	2593.0000	28.732
		High	2687.5000	28.592
	256QAM	Low	2498.5000	28.807
		Middle	2593.0000	28.676
		High	2687.5000	28.573
Port 2	QPSK	Low	2498.5000	28.546
		Middle	2593.0000	28.899
		High	2687.5000	28.678
	16QAM	Low	2498.5000	28.593
		Middle	2593.0000	28.659
		High	2687.5000	28.945