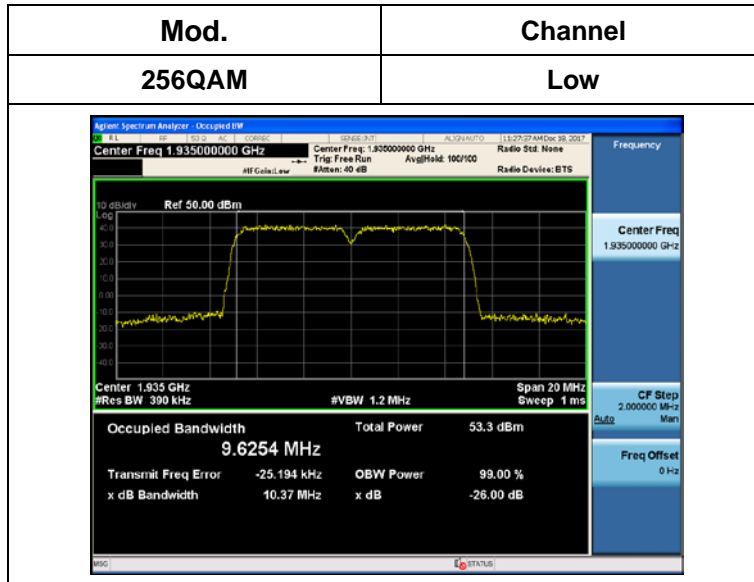


Plot Data for Output Port 3

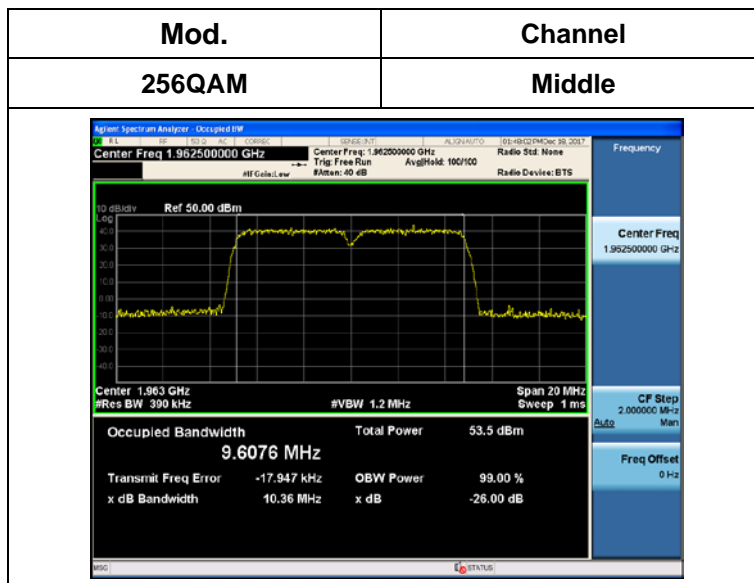
Mod.	Channel	Mod.	Channel
QPSK	Middle	16QAM	Low
64QAM	Middle	256QAM	Middle

5 MHz + 5 MHz / 2 Carriers (20 W + 20 W)

Plot Data for Output Port 0



Plot Data for Output Port 1



Plot Data for Output Port 2

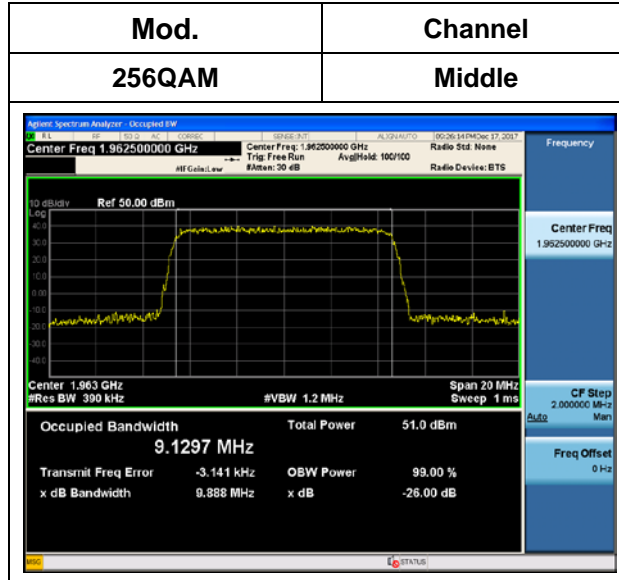
Mod.	Channel	Mod.	Channel
QPSK	Low	16QAM	Low
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.93500000 GHz Occupied Bandwidth: 9.5776 MHz Total Power: 54.1 dBm</p>		<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.93500000 GHz Occupied Bandwidth: 9.5764 MHz Total Power: 54.1 dBm</p>	
64QAM	High	256QAM	Low
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.99000000 GHz Occupied Bandwidth: 9.6106 MHz Total Power: 53.5 dBm</p>		<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.93500000 GHz Occupied Bandwidth: 9.5884 MHz Total Power: 53.2 dBm</p>	

Plot Data for Output Port 3

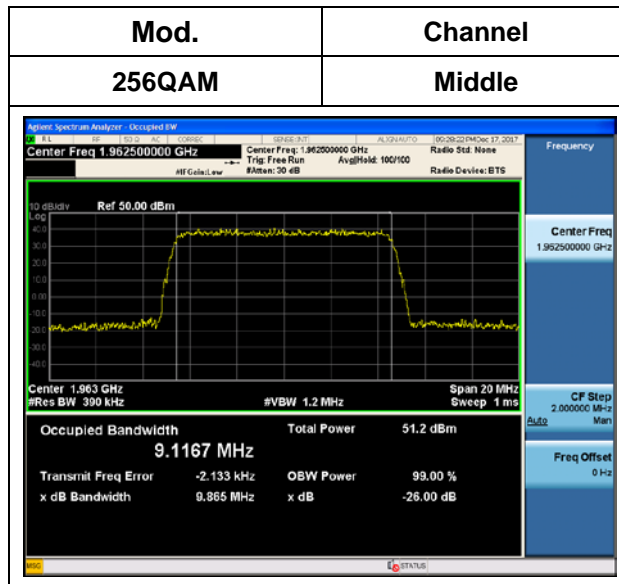
Mod.	Channel	Mod.	Channel
QPSK	High	16QAM	Middle
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.99000000 GHz Occupied Bandwidth: 9.5792 MHz Total Power: 54.4 dBm</p>		<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.96250000 GHz Occupied Bandwidth: 9.5870 MHz Total Power: 54.0 dBm</p>	
64QAM	High	256QAM	Middle
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.99000000 GHz Occupied Bandwidth: 9.6154 MHz Total Power: 53.5 dBm</p>		<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.96250000 GHz Occupied Bandwidth: 9.5902 MHz Total Power: 53.4 dBm</p>	

10 MHz / 1 Carrier (20 W)

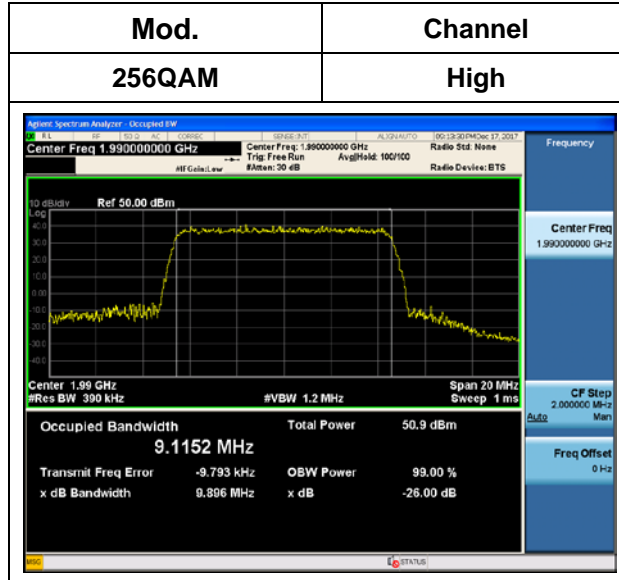
Plot Data for Output Port 0



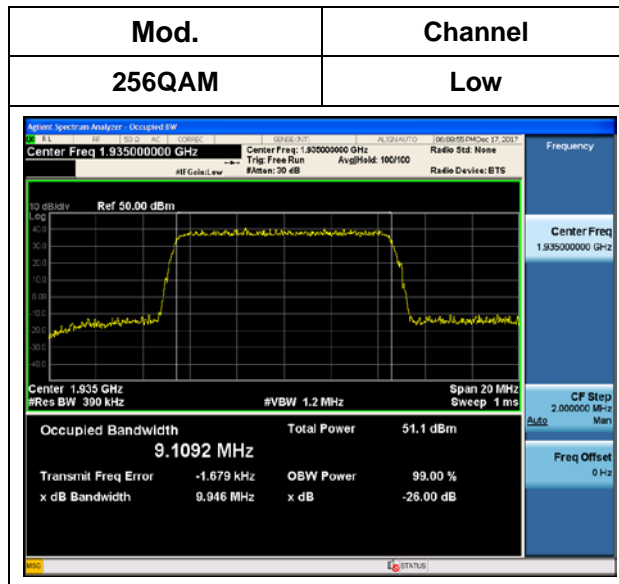
Plot Data for Output Port 1



Plot Data for Output Port 2

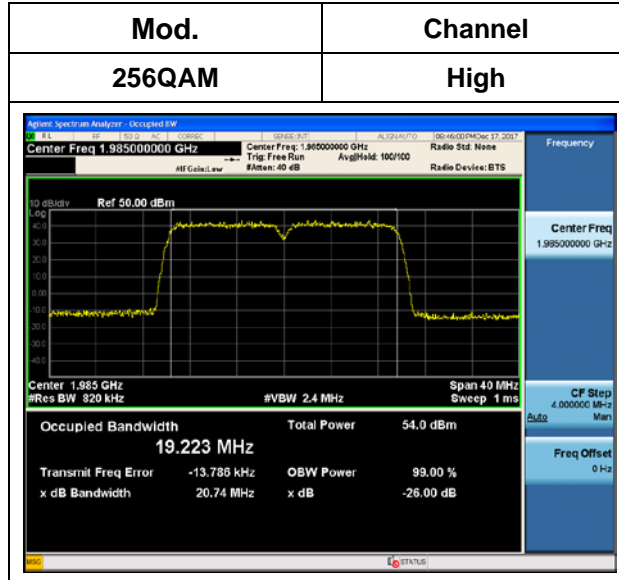


Plot Data for Output Port 3

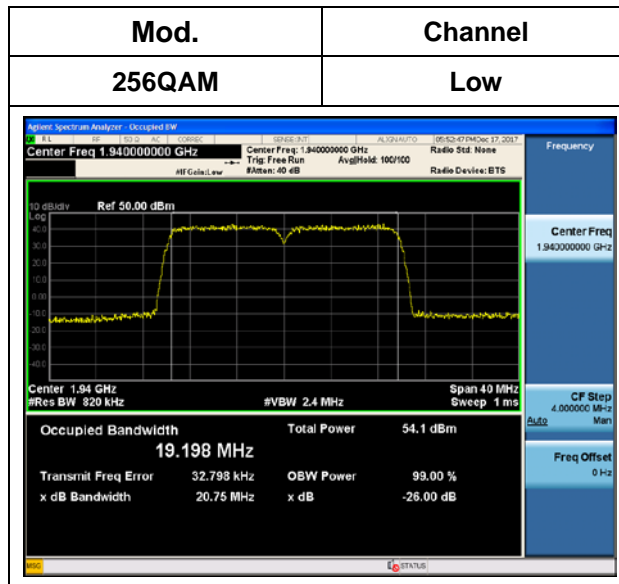


10 MHz + 10 MHz / 2 Carriers (20 W + 20 W)

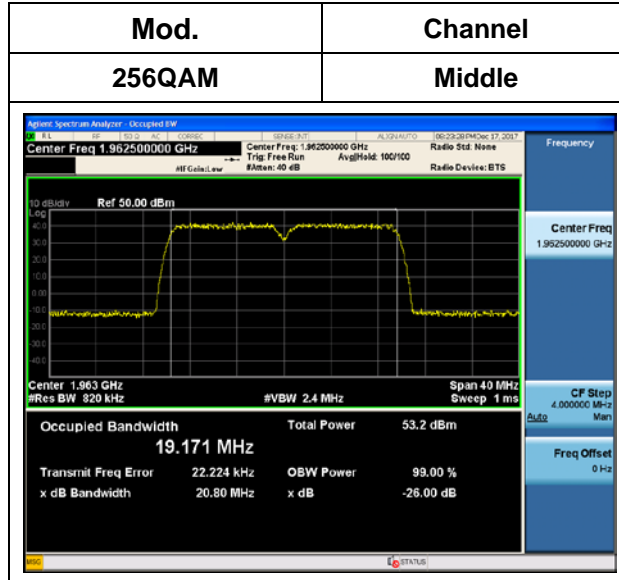
Plot Data for Output Port 0



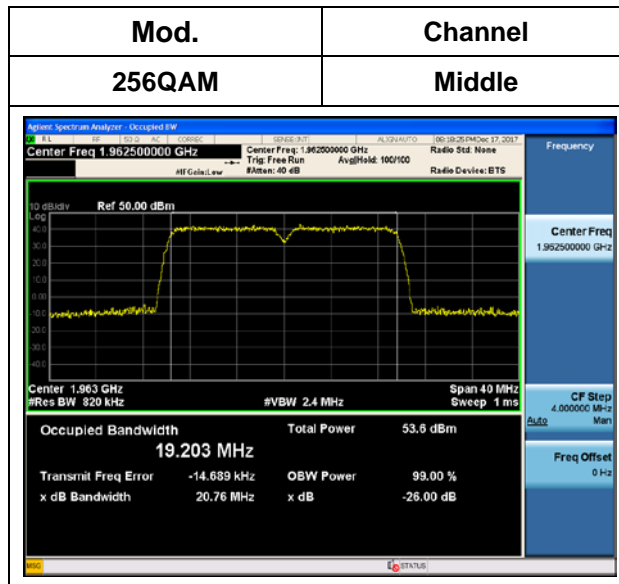
Plot Data for Output Port 1



Plot Data for Output Port 2



Plot Data for Output Port 3



15 MHz / 1 Carrier (30 W)

Plot Data for Output Port 0

Mod.	Channel	Mod.	Channel
QPSK	Low	16QAM	Middle
<p>Center Freq: 1.937500000 GHz #Res BW: 620 kHz #VBW: 1.8 MHz Span: 30 MHz Sweep: 1 ms CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 13.762 MHz Total Power: 52.7 dBm Transmit Freq Error: 10.183 kHz x dB Bandwidth: 14.89 MHz</p> <p>OBW Power: 99.00 % x dB: -26.00 dB</p>		<p>Center Freq: 1.962500000 GHz #Res BW: 620 kHz #VBW: 1.8 MHz Span: 30 MHz Sweep: 1 ms CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 13.765 MHz Total Power: 53.1 dBm Transmit Freq Error: 4.233 kHz x dB Bandwidth: 14.84 MHz</p> <p>OBW Power: 99.00 % x dB: -26.00 dB</p>	
Mod.	Channel	Mod.	Channel
64QAM	Middle	256QAM	Middle
<p>Center Freq: 1.962500000 GHz #Res BW: 620 kHz #VBW: 1.8 MHz Span: 30 MHz Sweep: 1 ms CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 13.688 MHz Total Power: 52.9 dBm Transmit Freq Error: -50.324 kHz x dB Bandwidth: 14.89 MHz</p> <p>OBW Power: 99.00 % x dB: -26.00 dB</p>		<p>Center Freq: 1.962500000 GHz #Res BW: 620 kHz #VBW: 1.8 MHz Span: 30 MHz Sweep: 1 ms CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 13.731 MHz Total Power: 52.2 dBm Transmit Freq Error: -24.982 kHz x dB Bandwidth: 14.84 MHz</p> <p>OBW Power: 99.00 % x dB: -26.00 dB</p>	

Plot Data for Output Port 1

Mod.	Channel	Mod.	Channel
QPSK	Middle	16QAM	Middle
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 1.962500000 GHz Center Freq: 1.962500000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 1.962500000 GHz Center 1.963 GHz #Res BW 620 kHz #VBW 1.8 MHz Span 30 MHz Sweep 1 ms CF Step 3.000000 MHz Occupied Bandwidth 13.784 MHz Total Power 52.8 dBm Transmit Freq Error 5.076 kHz OBW Power 99.00 % x dB Bandwidth 14.84 MHz x dB -26.00 dB Freq Offset 0 Hz</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 1.962500000 GHz Center Freq: 1.962500000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 1.962500000 GHz Center 1.963 GHz #Res BW 620 kHz #VBW 1.8 MHz Span 30 MHz Sweep 1 ms CF Step 3.000000 MHz Occupied Bandwidth 13.761 MHz Total Power 52.9 dBm Transmit Freq Error 9.106 kHz OBW Power 99.00 % x dB Bandwidth 14.97 MHz x dB -26.00 dB Freq Offset 0 Hz</p>		
64QAM	Low	256QAM	Middle
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 1.937500000 GHz Center Freq: 1.937500000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 1.937500000 GHz Center 1.938 GHz #Res BW 620 kHz #VBW 1.8 MHz Span 30 MHz Sweep 1 ms CF Step 3.000000 MHz Occupied Bandwidth 13.724 MHz Total Power 52.2 dBm Transmit Freq Error 10.466 kHz OBW Power 99.00 % x dB Bandwidth 14.91 MHz x dB -26.00 dB Freq Offset 0 Hz</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 1.962500000 GHz Center Freq: 1.962500000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 1.962500000 GHz Center 1.963 GHz #Res BW 620 kHz #VBW 1.8 MHz Span 30 MHz Sweep 1 ms CF Step 3.000000 MHz Occupied Bandwidth 13.669 MHz Total Power 52.3 dBm Transmit Freq Error -9.372 kHz OBW Power 99.00 % x dB Bandwidth 14.80 MHz x dB -26.00 dB Freq Offset 0 Hz</p>		

Plot Data for Output Port 2

Mod.	Channel	Mod.	Channel
QPSK	Middle	16QAM	Low
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.962500000 GHz Occupied Bandwidth: 13.760 MHz Total Power: 52.8 dBm</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.937500000 GHz Occupied Bandwidth: 13.766 MHz Total Power: 52.8 dBm</p>		
64QAM	Middle	256QAM	Middle
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.962500000 GHz Occupied Bandwidth: 13.722 MHz Total Power: 52.9 dBm</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.962500000 GHz Occupied Bandwidth: 13.689 MHz Total Power: 52.3 dBm</p>		

Plot Data for Output Port 3

Mod.	Channel	Mod.	Channel
QPSK	Low	16QAM	Low
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 1.937500000 GHz Center Freq: 1.937500000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 1.937500000 GHz Center 1.938 GHz #Res BW 620 kHz #VBW 1.8 MHz Span 30 MHz Sweep 1 ms CF Step 3.000000 MHz Occupied Bandwidth 13.736 MHz Total Power 52.8 dBm Transmit Freq Error -13.907 kHz OBW Power 99.00 % x dB Bandwidth 14.81 MHz x dB -26.00 dB Freq Offset 0 Hz</p>		<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 1.937500000 GHz Center Freq: 1.937500000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 1.937500000 GHz Center 1.938 GHz #Res BW 620 kHz #VBW 1.8 MHz Span 30 MHz Sweep 1 ms CF Step 3.000000 MHz Occupied Bandwidth 13.739 MHz Total Power 52.8 dBm Transmit Freq Error 10.776 kHz OBW Power 99.00 % x dB Bandwidth 14.83 MHz x dB -26.00 dB Freq Offset 0 Hz</p>	
64QAM	Low	256QAM	Middle
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 1.937500000 GHz Center Freq: 1.937500000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 1.937500000 GHz Center 1.938 GHz #Res BW 620 kHz #VBW 1.8 MHz Span 30 MHz Sweep 1 ms CF Step 3.000000 MHz Occupied Bandwidth 13.702 MHz Total Power 52.2 dBm Transmit Freq Error 11.027 kHz OBW Power 99.00 % x dB Bandwidth 14.88 MHz x dB -26.00 dB Freq Offset 0 Hz</p>		<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 1.962500000 GHz Center Freq: 1.962500000 GHz Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 1.962500000 GHz Center 1.963 GHz #Res BW 620 kHz #VBW 1.8 MHz Span 30 MHz Sweep 1 ms CF Step 3.000000 MHz Occupied Bandwidth 13.670 MHz Total Power 52.3 dBm Transmit Freq Error 22.077 kHz OBW Power 99.00 % x dB Bandwidth 15.00 MHz x dB -26.00 dB Freq Offset 0 Hz</p>	

15 MHz + 5 MHz / 2 Carriers (30 W + 10 W)

Plot Data for Output Port 0

Mod.	Channel	Mod.	Channel
QPSK	High	16QAM	Middle
64QAM	High	256QAM	Low

Plot Data for Output Port 1

Mod.	Channel	Mod.	Channel
QPSK	High	16QAM	Middle
64QAM	Low	256QAM	Low

Plot Data for Output Port 2

Mod.	Channel	Mod.	Channel
QPSK	Middle	16QAM	Middle
64QAM	Low	256QAM	High

Plot Data for Output Port 3

Mod.	Channel	Mod.	Channel
QPSK	Low	16QAM	Low
<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 1.94000000 GHz</p> <p>Center Freq: 1.94000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 100/100</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center 1.94 GHz</p> <p>#Res BW 820 kHz</p> <p>#VBW 2.4 MHz</p> <p>Span 40 MHz</p> <p>Sweep 1 ms</p> <p>CF Step 4.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p> <p>Occupied Bandwidth 19.234 MHz</p> <p>Total Power 54.4 dBm</p> <p>Transmit Freq Error 249.86 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.75 MHz</p> <p>x dB -26.00 dB</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 1.94000000 GHz</p> <p>Center Freq: 1.94000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 100/100</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center 1.94 GHz</p> <p>#Res BW 820 kHz</p> <p>#VBW 2.4 MHz</p> <p>Span 40 MHz</p> <p>Sweep 1 ms</p> <p>CF Step 4.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p> <p>Occupied Bandwidth 19.244 MHz</p> <p>Total Power 54.5 dBm</p> <p>Transmit Freq Error 224.76 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.64 MHz</p> <p>x dB -26.00 dB</p>		
64QAM	Middle	256QAM	Low
<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 1.96250000 GHz</p> <p>Center Freq: 1.96250000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 100/100</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center 1.963 GHz</p> <p>#Res BW 820 kHz</p> <p>#VBW 2.4 MHz</p> <p>Span 40 MHz</p> <p>Sweep 1 ms</p> <p>CF Step 4.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p> <p>Occupied Bandwidth 19.208 MHz</p> <p>Total Power 54.1 dBm</p> <p>Transmit Freq Error 245.61 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.73 MHz</p> <p>x dB -26.00 dB</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 1.94000000 GHz</p> <p>Center Freq: 1.94000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 100/100</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center 1.94 GHz</p> <p>#Res BW 820 kHz</p> <p>#VBW 2.4 MHz</p> <p>Span 40 MHz</p> <p>Sweep 1 ms</p> <p>CF Step 4.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p> <p>Occupied Bandwidth 19.232 MHz</p> <p>Total Power 54.0 dBm</p> <p>Transmit Freq Error 223.97 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.66 MHz</p> <p>x dB -26.00 dB</p>		

10 MHz + 5 MHz / 2 Carriers (20 W + 10 W)

Plot Data for Output Port 0

Mod.	Channel	Mod.	Channel
QPSK	High	16QAM	High
64QAM	Low	256QAM	Low

Plot Data for Output Port 1

Mod.	Channel	Mod.	Channel
QPSK	Middle	16QAM	High
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.962500000 GHz Occupied Bandwidth: 14.463 MHz Total Power: 53.1 dBm</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.987500000 GHz Occupied Bandwidth: 14.416 MHz Total Power: 52.8 dBm</p>		
64QAM	Low	256QAM	High
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.937500000 GHz Occupied Bandwidth: 14.398 MHz Total Power: 52.4 dBm</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.987500000 GHz Occupied Bandwidth: 14.407 MHz Total Power: 52.4 dBm</p>		

Plot Data for Output Port 2

Mod.	Channel	Mod.	Channel
QPSK	High	16QAM	Middle
64QAM	Low	256QAM	Low

Plot Data for Output Port 3

Mod.	Channel	Mod.	Channel
QPSK	Middle	16QAM	Low
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.962500000 GHz Occupied Bandwidth: 14.423 MHz Total Power: 53.0 dBm</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.937500000 GHz Occupied Bandwidth: 14.435 MHz Total Power: 53.0 dBm</p>		
64QAM	High	256QAM	Low
<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.987500000 GHz Occupied Bandwidth: 14.431 MHz Total Power: 52.5 dBm</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 1.937500000 GHz Occupied Bandwidth: 14.399 MHz Total Power: 52.5 dBm</p>		

7. SPURIOUS EMISSION AT ANTENNA TERMINAL

Test Requirements:

§ 2.1051 Measurements required: Spurious emissions at antenna terminals:

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in § 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

§ 24.238 Emission limitations for Broadband PCS equipment.

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

(b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(c) Alternative out of band emission limit. Licensees in this service may establish an alternative out of band emission limit to be used at specified band edge(s) in specified geographical areas, in lieu of that set forth in this section, pursuant to a private contractual arrangement of all affected licensees and applicants. In this event, each party to such contract shall maintain a copy of the contract in their station files and disclose it to prospective assignees or transferees and, upon request, to the FCC.

(d) Interference caused by out of band emissions. If any emission from a transmitter operating in this service results in interference to users of another radio service, the FCC may require a greater attenuation of that emission than

Test Procedures:

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.

The resolution bandwidth of the spectrum analyzer was set at 100 KHz (Under 1 GHz), 1MHz (Above 1 GHz). Sufficient scans were taken to show any out of band emissions up to 10th harmonic.

Notes:

- 1) In 9 KHz-150 KHz and 150 KHz-30 MHz bands, RBW was reduced to 1% and 10% of the reference bandwidth for measuring unwanted emission level (typically, 100KHz if the authorized frequency band is below 1GHz) and power was integrated. (1% = +20 dB, 10% = +10 dB)
- 2) Due to 4x4 MIMO operation, limit is -19.02 dBm ($-13 \text{ dBm} - 10 \cdot \log(4)$) per FCC KDB 662911D01v02r01.

Conducted Spurious Emissions

5 MHz / 1 Carrier (20 W)

Test Result for Output Port 0

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1932.50	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1992.50	-	-	-	-	-	-
16QAM	Low	1932.50	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1992.50	-	-	-	-	-	-
64QAM	Low	1932.50	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1992.50	-	-	-	-	-	-
256QAM	Low	1932.50	-26.656	-26.422	-51.587	-31.019	-23.433	-25.030
	Middle	1962.50	-23.690	-28.163	-51.347	-31.057	-23.578	-25.228
	High	1992.50	-25.582	-26.929	-50.767	-30.922	-23.793	-24.765

Test Result for Output Port 1

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1932.50	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1992.50	-	-	-	-	-	-
16QAM	Low	1932.50	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1992.50	-	-	-	-	-	-
64QAM	Low	1932.50	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1992.50	-	-	-	-	-	-
256QAM	Low	1932.50	-26.643	-28.292	-52.007	-30.380	-23.576	-25.134
	Middle	1962.50	-27.212	-26.817	-51.659	-31.064	-23.480	-24.826
	High	1992.50	-25.839	-26.904	-50.081	-31.264	-24.156	-25.145

Test Result for Output Port 2

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1932.50	-25.495	-27.096	-51.424	-30.559	-23.768	-24.725
	Middle	1962.50	-25.299	-25.453	-51.871	-30.907	-23.738	-24.658
	High	1992.50	-26.329	-26.235	-50.836	-30.620	-23.808	-25.210
16QAM	Low	1932.50	-26.909	-25.908	-51.992	-30.803	-24.013	-25.137
	Middle	1962.50	-25.395	-26.198	-51.852	-31.002	-23.813	-24.416
	High	1992.50	-26.702	-27.946	-51.126	-30.702	-24.006	-24.987
64QAM	Low	1932.50	-26.061	-26.631	-51.449	-30.404	-23.921	-25.117
	Middle	1962.50	-26.533	-27.798	-50.772	-30.570	-23.978	-24.834
	High	1992.50	-26.292	-27.075	-50.427	-30.903	-23.347	-25.090
256QAM	Low	1932.50	-26.578	-27.806	-51.540	-30.930	-23.234	-24.991
	Middle	1962.50	-26.901	-28.646	-51.602	-30.742	-23.370	-25.024
	High	1992.50	-25.901	-26.548	-50.541	-31.253	-24.116	-24.630

Test Result for Output Port 3

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1932.50	-26.609	-26.671	-51.999	-31.009	-23.676	-24.259
	Middle	1962.50	-24.692	-27.230	-51.439	-30.588	-23.237	-24.938
	High	1992.50	-25.235	-25.671	-50.773	-30.647	-24.091	-24.868
16QAM	Low	1932.50	-22.894	-28.138	-51.817	-29.891	-23.644	-25.039
	Middle	1962.50	-25.205	-27.019	-51.810	-30.985	-23.842	-25.062
	High	1992.50	-25.143	-27.709	-50.553	-31.035	-23.758	-24.974
64QAM	Low	1932.50	-26.236	-26.463	-51.782	-30.864	-23.554	-24.906
	Middle	1962.50	-26.986	-26.800	-51.462	-30.709	-24.140	-24.806
	High	1992.50	-26.277	-27.623	-50.999	-30.840	-23.716	-25.118
256QAM	Low	1932.50	-24.914	-27.854	-51.961	-30.595	-23.959	-24.828
	Middle	1962.50	-25.935	-28.611	-51.710	-30.784	-23.924	-25.024
	High	1992.50	-26.073	-25.256	-50.807	-31.132	-24.042	-24.613

5 MHz + 5 MHz / 2 Carriers (20 W + 20 W)

Test Result for Output Port 0

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
16QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
64QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
256QAM	Low	1935.00	-24.447	-27.106	-49.477	-25.605	-28.265	-25.197
	Middle	1962.50	-25.645	-27.839	-48.083	-29.725	-27.603	-24.957
	High	1990.00	-25.729	-26.653	-46.329	-29.629	-23.793	-25.085

Test Result for Output Port 1

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
16QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
64QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
256QAM	Low	1935.00	-24.119	-27.306	-48.116	-25.195	-27.914	-25.420
	Middle	1962.50	-25.916	-28.506	-47.458	-30.011	-27.624	-25.313
	High	1990.00	-24.459	-25.602	-47.020	-29.656	-23.994	-24.917

Test Result for Output Port 2

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1935.00	-23.243	-27.967	-50.251	-30.634	-27.866	-25.530
	Middle	1962.50	-24.110	-28.924	-47.462	-29.625	-27.908	-24.888
	High	1990.00	-23.426	-27.612	-46.420	-29.965	-24.039	-24.638
16QAM	Low	1935.00	-24.762	-26.876	-49.464	-29.607	-27.974	-25.530
	Middle	1962.50	-23.671	-26.595	-47.758	-29.777	-27.910	-24.811
	High	1990.00	-23.865	-25.896	-46.313	-30.200	-24.100	-25.166
64QAM	Low	1935.00	-25.412	-27.780	-49.908	-29.852	-28.224	-25.297
	Middle	1962.50	-24.412	-27.371	-47.730	-29.903	-24.117	-24.328
	High	1990.00	-25.679	-27.500	-46.128	-30.340	-24.421	-25.081
256QAM	Low	1935.00	-25.294	-26.357	-50.408	-29.904	-27.900	-25.329
	Middle	1962.50	-25.501	-26.600	-47.930	-29.951	-28.112	-25.388
	High	1990.00	-24.554	-25.839	-45.745	-29.803	-24.309	-24.751

Test Result for Output Port 3

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1935.00	-24.146	-27.761	-49.895	-24.798	-28.371	-25.271
	Middle	1962.50	-23.004	-27.713	-47.160	-29.153	-28.360	-25.132
	High	1990.00	-24.704	-27.289	-45.973	-30.288	-23.793	-25.149
16QAM	Low	1935.00	-25.313	-27.206	-49.678	-26.766	-28.253	-25.439
	Middle	1962.50	-21.929	-25.612	-47.816	-30.122	-27.819	-25.368
	High	1990.00	-24.051	-27.635	-46.426	-29.851	-23.940	-25.437
64QAM	Low	1935.00	-24.881	-28.157	-49.890	-27.380	-28.101	-24.799
	Middle	1962.50	-21.094	-26.576	-48.518	-29.930	-27.799	-25.053
	High	1990.00	-25.240	-27.854	-46.869	-31.074	-24.173	-25.103
256QAM	Low	1935.00	-25.622	-27.790	-49.933	-27.976	-28.044	-25.404
	Middle	1962.50	-25.869	-27.199	-47.942	-29.890	-28.154	-24.481
	High	1990.00	-25.160	-27.977	-46.471	-30.154	-23.447	-25.282

10 MHz / 1 Carrier (20 W)

Test Result for Output Port 0

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
16QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
64QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
256QAM	Low	1935.00	-33.335	-36.597	-51.214	-27.496	-32.194	-23.809
	Middle	1962.50	-32.848	-37.213	-50.854	-29.772	-28.041	-23.506
	High	1990.00	-32.008	-37.073	-51.071	-29.551	-28.010	-23.537

Test Result for Output Port 1

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
16QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
64QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
256QAM	Low	1935.00	-32.334	-34.866	-50.803	-27.974	-31.962	-24.399
	Middle	1962.50	-31.522	-36.774	-50.616	-29.476	-28.247	-23.813
	High	1990.00	-31.319	-36.943	-51.117	-29.616	-28.276	-24.037

Test Result for Output Port 2

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
16QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
64QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
256QAM	Low	1935.00	-33.240	-35.050	-51.538	-30.045	-31.921	-24.325
	Middle	1962.50	-33.175	-35.683	-51.706	-29.798	-28.105	-23.640
	High	1990.00	-31.787	-37.463	-50.900	-29.674	-27.261	-23.722

Test Result for Output Port 3

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
16QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
64QAM	Low	1935.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1990.00	-	-	-	-	-	-
256QAM	Low	1935.00	-32.998	-35.559	-51.767	-29.243	-31.744	-24.560
	Middle	1962.50	-32.384	-36.077	-51.140	-30.019	-28.418	-23.990
	High	1990.00	-32.207	-37.489	-51.704	-30.008	-28.504	-24.046

10 MHz + 10 MHz / 2 Carriers (20 W + 20 W)

Test Result for Output Port 0

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
16QAM	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
64QAM	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
256QAM	Low	1940.00	-31.133	-37.064	-47.216	-25.172	-32.294	-24.190
	Middle	1962.50	-30.853	-36.649	-47.012	-28.216	-31.355	-24.043
	High	1985.00	-27.600	-35.677	-46.854	-29.869	-25.593	-24.074

Test Result for Output Port 1

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
16QAM	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
64QAM	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
256QAM	Low	1940.00	-31.282	-36.085	-46.503	-27.089	-32.072	-24.675
	Middle	1962.50	-31.084	-36.662	-47.324	-28.912	-31.587	-23.073
	High	1985.00	-26.453	-34.810	-46.777	-29.097	-26.458	-24.088

Test Result for Output Port 2

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
16QAM	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
64QAM	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
256QAM	Low	1940.00	-32.643	-35.986	-47.782	-29.342	-32.234	-24.271
	Middle	1962.50	-31.765	-36.136	-48.456	-30.468	-31.744	-23.665
	High	1985.00	-29.733	-37.218	-47.634	-29.648	-26.214	-23.575

Test Result for Output Port 3

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
16QAM	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
64QAM	Low	1940.00	-	-	-	-	-	-
	Middle	1962.50	-	-	-	-	-	-
	High	1985.00	-	-	-	-	-	-
256QAM	Low	1940.00	-32.197	-35.407	-47.721	-29.345	-32.416	-23.965
	Middle	1962.50	-31.774	-38.011	-48.430	-30.666	-31.364	-23.726
	High	1985.00	-26.941	-35.608	-47.202	-29.789	-28.132	-24.024

15 MHz / 1 Carrier (30 W)

Test Result for Output Port 0

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1937.50	-24.255	-26.716	-51.533	-27.314	-24.024	-24.920
	Middle	1962.50	-26.208	-26.890	-50.678	-28.941	-23.528	-25.287
	High	1987.50	-26.556	-27.130	-45.681	-22.538	-23.932	-25.000
16QAM	Low	1937.50	-25.440	-27.412	-51.149	-26.877	-23.653	-25.334
	Middle	1962.50	-25.464	-27.950	-50.856	-29.428	-23.928	-24.671
	High	1987.50	-26.157	-27.018	-45.064	-29.415	-23.819	-24.875
64QAM	Low	1937.50	-26.408	-26.044	-51.534	-27.693	-23.807	-24.668
	Middle	1962.50	-24.624	-28.112	-50.526	-30.445	-23.927	-24.815
	High	1987.50	-25.863	-27.816	-45.100	-27.704	-24.284	-25.219
256QAM	Low	1937.50	-25.420	-25.884	-51.125	-26.994	-23.864	-24.928
	Middle	1962.50	-25.806	-28.386	-50.965	-28.757	-24.107	-25.175
	High	1987.50	-25.517	-25.872	-44.914	-28.711	-23.887	-25.171

Test Result for Output Port 1

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1937.50	-25.486	-25.848	-50.862	-27.523	-23.254	-24.791
	Middle	1962.50	-25.752	-27.643	-50.606	-30.387	-23.325	-25.241
	High	1987.50	-25.819	-28.053	-45.045	-25.189	-23.731	-24.953
16QAM	Low	1937.50	-26.31	-26.015	-51.605	-28.010	-24.156	-24.917
	Middle	1962.50	-25.946	-25.921	-50.167	-30.519	-23.699	-25.205
	High	1987.50	-24.555	-27.558	-45.297	-26.886	-23.699	-25.167
64QAM	Low	1937.50	-24.261	-28.162	-51.627	-27.854	-23.881	-25.044
	Middle	1962.50	-26.205	-26.382	-50.610	-30.132	-23.886	-25.035
	High	1987.50	-26.237	-27.155	-44.634	-26.944	-23.330	-25.157
256QAM	Low	1937.50	-26.905	-26.203	-51.607	-27.912	-24.227	-24.914
	Middle	1962.50	-25.708	-26.388	-50.577	-29.516	-23.702	-25.056
	High	1987.50	-26.126	-28.170	-45.402	-28.090	-23.879	-25.176

Test Result for Output Port 2

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1937.50	-26.225	-27.694	-51.639	-26.563	-23.958	-25.205
	Middle	1962.50	-26.274	-26.365	-50.494	-31.166	-23.761	-25.268
	High	1987.50	-26.606	-25.561	-45.599	-27.184	-24.046	-24.916
16QAM	Low	1937.50	-26.789	-28.394	-50.994	-27.841	-24.023	-24.986
	Middle	1962.50	-25.717	-27.964	-50.530	-29.993	-24.051	-25.081
	High	1987.50	-25.849	-27.291	-45.256	-27.983	-23.916	-25.434
64QAM	Low	1937.50	-27.303	-27.383	-51.697	-27.590	-24.016	-25.079
	Middle	1962.50	-24.924	-26.726	-50.573	-29.875	-23.785	-25.273
	High	1987.50	-25.944	-25.798	-45.261	-28.289	-23.836	-25.116
256QAM	Low	1937.50	-25.774	-27.269	-51.372	-28.350	-23.785	-24.926
	Middle	1962.50	-25.613	-28.081	-50.360	-29.732	-23.471	-25.307
	High	1987.50	-24.775	-26.749	-44.694	-28.489	-23.705	-25.215

Test Result for Output Port 3

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1937.50	-26.128	-27.181	-51.480	-26.407	-23.898	-25.296
	Middle	1962.50	-24.328	-27.541	-49.937	-30.521	-24.175	-24.842
	High	1987.50	-25.913	-27.788	-45.150	-26.755	-23.841	-24.909
16QAM	Low	1937.50	-24.037	-26.880	-51.641	-27.082	-23.585	-24.989
	Middle	1962.50	-26.515	-26.610	-51.167	-29.496	-23.208	-25.242
	High	1987.50	-24.670	-27.365	-45.085	-28.523	-24.220	-24.536
64QAM	Low	1937.50	-25.712	-27.449	-51.588	-27.012	-24.061	-24.893
	Middle	1962.50	-26.721	-26.938	-50.937	-30.603	-24.253	-25.096
	High	1987.50	-25.669	-28.692	-44.715	-27.297	-23.924	-25.071
256QAM	Low	1937.50	-27.800	-27.281	-51.521	-26.005	-23.540	-25.047
	Middle	1962.50	-26.113	-27.012	-50.359	-30.959	-23.798	-25.187
	High	1987.50	-26.389	-28.268	-43.975	-27.875	-24.346	-25.289

15 MHz + 5 MHz / 2 Carriers (30 W + 10 W)

Test Result for Output Port 0

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1940.00	-25.864	-26.820	-50.021	-25.927	-23.350	-24.805
	Middle	1962.50	-24.843	-26.825	-48.885	-28.667	-23.461	-24.242
	High	1985.00	-25.224	-27.413	-47.649	-29.847	-23.923	-25.451
16QAM	Low	1940.00	-24.838	-27.568	-49.614	-26.284	-23.499	-24.996
	Middle	1962.50	-25.515	-25.027	-48.827	-29.292	-23.661	-23.731
	High	1985.00	-25.525	-27.152	-47.948	-30.593	-23.782	-24.941
64QAM	Low	1940.00	-24.795	-27.046	-49.669	-27.044	-23.592	-25.150
	Middle	1962.50	-26.202	-26.801	-49.033	-30.347	-23.147	-23.462
	High	1985.00	-26.038	-26.608	-47.204	-30.323	-24.049	-25.087
256QAM	Low	1940.00	-25.475	-26.876	-49.980	-27.704	-23.972	-24.527
	Middle	1962.50	-25.611	-27.267	-49.127	-28.712	-23.863	-25.209
	High	1985.00	-26.073	-26.570	-47.970	-30.964	-23.709	-25.115

Test Result for Output Port 1

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1940.00	-25.023	-27.134	-50.308	-24.984	-23.424	-25.189
	Middle	1962.50	-24.590	-26.970	-49.677	-28.793	-23.301	-23.686
	High	1985.00	-24.384	-27.836	-47.366	-30.814	-23.850	-25.194
16QAM	Low	1940.00	-24.830	-26.686	-49.950	-27.251	-23.268	-24.671
	Middle	1962.50	-24.369	-27.919	-49.479	-29.540	-23.063	-23.809
	High	1985.00	-25.514	-26.610	-47.483	-31.211	-23.667	-24.796
64QAM	Low	1940.00	-25.399	-25.809	-50.272	-25.473	-23.862	-25.050
	Middle	1962.50	-24.932	-27.468	-49.002	-29.792	-23.381	-24.434
	High	1985.00	-25.757	-27.310	-47.612	-31.038	-23.717	-25.064
256QAM	Low	1940.00	-25.197	-24.628	-50.508	-29.055	-23.593	-25.017
	Middle	1962.50	-26.743	-26.545	-48.896	-30.286	-23.913	-24.730
	High	1985.00	-26.538	-26.946	-47.867	-30.450	-23.520	-25.084

Test Result for Output Port 2

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1940.00	-25.135	-26.382	-49.802	-27.881	-23.942	-25.088
	Middle	1962.50	-24.314	-27.350	-48.741	-29.191	-23.958	-24.944
	High	1985.00	-25.422	-27.881	-47.815	-30.379	-23.995	-24.917
16QAM	Low	1940.00	-24.601	-27.107	-50.051	-25.102	-23.657	-24.506
	Middle	1962.50	-24.329	-28.421	-48.456	-28.765	-23.646	-24.314
	High	1985.00	-24.542	-28.052	-47.781	-30.985	-23.885	-24.814
64QAM	Low	1940.00	-25.140	-27.439	-50.224	-28.772	-23.680	-25.106
	Middle	1962.50	-25.084	-27.277	-48.521	-28.968	-23.029	-23.787
	High	1985.00	-25.528	-25.924	-47.250	-30.936	-23.985	-24.901
256QAM	Low	1940.00	-25.915	-26.595	-49.628	-28.292	-23.668	-24.857
	Middle	1962.50	-24.437	-27.272	-49.150	-29.222	-23.684	-25.065
	High	1985.00	-26.366	-28.456	-48.079	-31.032	-24.060	-24.951

Test Result for Output Port 3

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1940.00	-25.410	-27.051	-49.693	-27.189	-23.696	-25.057
	Middle	1962.50	-25.844	-26.560	-49.285	-29.616	-23.612	-24.190
	High	1985.00	-24.841	-27.804	-47.367	-29.853	-23.996	-25.247
16QAM	Low	1940.00	-25.356	-26.439	-49.751	-25.992	-23.688	-24.968
	Middle	1962.50	-25.569	-25.633	-49.058	-29.791	-23.081	-24.385
	High	1985.00	-25.846	-27.088	-48.149	-30.875	-23.733	-24.699
64QAM	Low	1940.00	-26.783	-26.091	-49.703	-27.675	-23.789	-24.962
	Middle	1962.50	-25.129	-27.060	-48.975	-30.730	-23.661	-24.495
	High	1985.00	-25.233	-28.231	-47.643	-30.486	-24.107	-24.481
256QAM	Low	1940.00	-25.833	-26.178	-49.650	-26.115	-23.634	-25.115
	Middle	1962.50	-25.792	-25.678	-48.725	-30.116	-23.691	-24.859
	High	1985.00	-25.709	-29.049	-47.317	-31.059	-23.497	-25.221

10 MHz + 5 MHz / 2 Carriers (20 W + 10 W)

Test Result for Output Port 0

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1937.50	-25.856	-27.001	-51.358	-26.571	-24.298	-25.044
	Middle	1962.50	-25.902	-28.072	-50.424	-30.357	-23.935	-24.775
	High	1987.50	-26.266	-27.349	-49.166	-30.651	-23.805	-25.281
16QAM	Low	1937.50	-25.952	-29.566	-50.891	-28.369	-24.272	-25.333
	Middle	1962.50	-24.816	-26.002	-49.734	-30.514	-24.020	-25.344
	High	1987.50	-26.076	-26.554	-49.327	-29.544	-23.797	-25.063
64QAM	Low	1937.50	-25.868	-28.606	-51.324	-28.028	-24.127	-25.103
	Middle	1962.50	-25.200	-26.652	-49.919	-29.287	-23.132	-25.146
	High	1987.50	-25.950	-27.481	-49.254	-31.092	-23.699	-25.131
256QAM	Low	1937.50	-25.816	-27.196	-51.383	-20.909	-24.124	-25.175
	Middle	1962.50	-25.903	-25.115	-50.644	-29.049	-24.097	-25.267
	High	1987.50	-25.958	-27.049	-49.359	-30.751	-24.186	-24.780

Test Result for Output Port 1

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1937.50	-25.121	-27.679	-50.921	-26.262	-23.527	-24.770
	Middle	1962.50	-26.293	-28.047	-50.586	-29.825	-24.014	-25.152
	High	1987.50	-26.534	-26.619	-48.898	-30.555	-24.293	-24.954
16QAM	Low	1937.50	-24.503	-27.650	-51.497	-26.610	-23.593	-25.246
	Middle	1962.50	-24.856	-26.153	-50.802	-30.934	-24.153	-25.321
	High	1987.50	-25.845	-26.757	-49.307	-31.267	-23.946	-24.657
64QAM	Low	1937.50	-26.554	-26.894	-51.073	-26.802	-24.173	-25.444
	Middle	1962.50	-27.012	-27.171	-50.472	-30.287	-23.823	-24.185
	High	1987.50	-26.211	-26.615	-48.660	-30.851	-24.174	-25.407
256QAM	Low	1937.50	-26.562	-26.433	-51.400	-27.555	-23.956	-25.021
	Middle	1962.50	-25.826	-27.425	-50.826	-31.087	-23.141	-24.711
	High	1987.50	-26.245	-24.866	-49.764	-30.724	-24.144	-25.118

Test Result for Output Port 2

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1937.50	-24.934	-26.377	-51.362	-26.923	-23.376	-25.004
	Middle	1962.50	-25.712	-27.975	-49.975	-28.193	-24.062	-25.132
	High	1987.50	-25.622	-25.119	-49.244	-30.690	-23.936	-25.201
16QAM	Low	1937.50	-24.513	-26.156	-51.106	-26.631	-23.832	-25.231
	Middle	1962.50	-24.811	-27.157	-50.452	-31.229	-24.304	-24.500
	High	1987.50	-25.519	-27.150	-49.009	-30.968	-24.112	-25.153
64QAM	Low	1937.50	-25.990	-27.777	-51.469	-27.437	-23.529	-25.507
	Middle	1962.50	-25.328	-27.038	-50.664	-30.144	-24.222	-24.960
	High	1987.50	-26.895	-27.517	-48.928	-31.090	-24.035	-25.286
256QAM	Low	1937.50	-26.316	-26.676	-50.964	-26.909	-23.965	-25.079
	Middle	1962.50	-26.135	-28.426	-50.313	-28.806	-23.979	-24.730
	High	1987.50	-26.014	-26.904	-48.703	-31.015	-23.890	-25.082

Test Result for Output Port 3

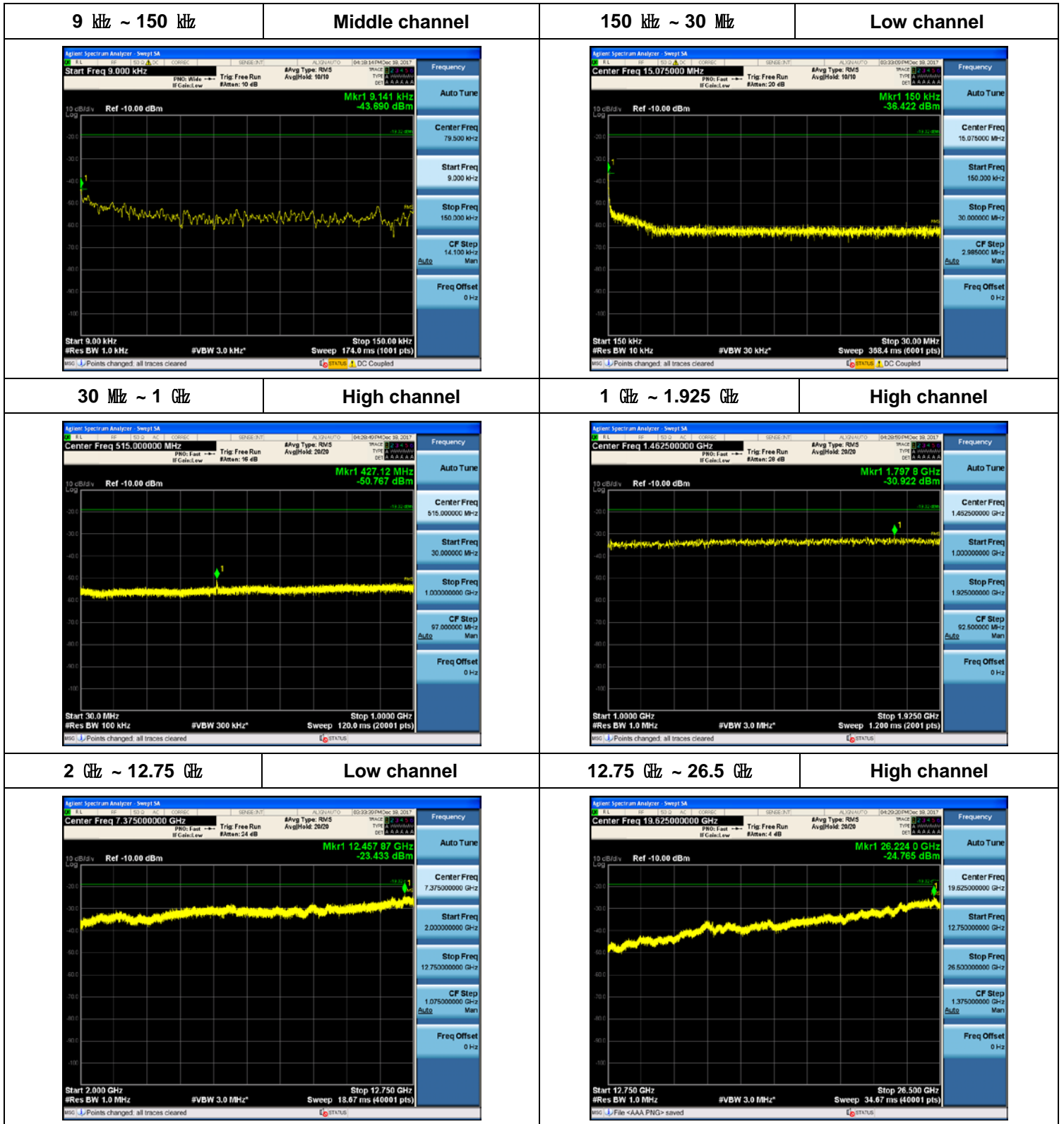
Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 1.925 GHz	2 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	1937.50	-25.926	-26.309	-51.080	-27.486	-24.042	-25.122
	Middle	1962.50	-24.549	-28.392	-49.756	-30.968	-24.078	-24.965
	High	1987.50	-25.002	-26.774	-49.247	-31.053	-23.864	-24.135
16QAM	Low	1937.50	-24.356	-27.633	-51.131	-27.471	-24.132	-25.102
	Middle	1962.50	-24.504	-27.523	-50.151	-28.927	-24.184	-25.274
	High	1987.50	-25.061	-27.819	-49.421	-31.126	-24.163	-24.670
64QAM	Low	1937.50	-26.375	-26.803	-51.129	-27.230	-23.439	-24.432
	Middle	1962.50	-25.852	-27.221	-50.697	-29.655	-23.782	-24.902
	High	1987.50	-24.939	-24.842	-49.536	-30.847	-24.152	-25.262
256QAM	Low	1937.50	-25.964	-26.371	-51.346	-27.792	-23.692	-24.601
	Middle	1962.50	-25.675	-27.328	-50.779	-29.311	-24.103	-24.938
	High	1987.50	-24.638	-26.841	-49.422	-30.510	-23.905	-25.131

Note:

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

5 MHz / 1 Carrier (20 W)

Plot Data for Output Port 0_256QAM



Plot Data for Output Port 1_256QAM

