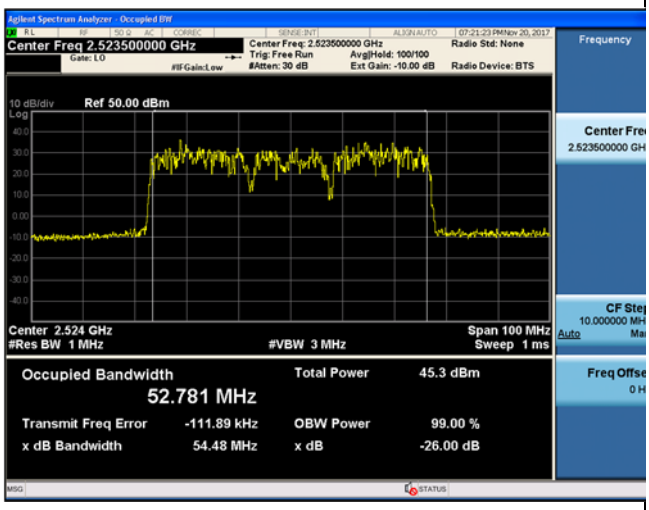
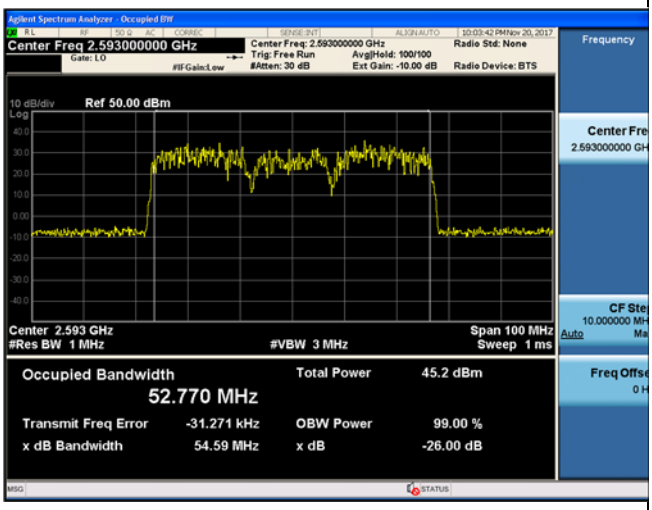
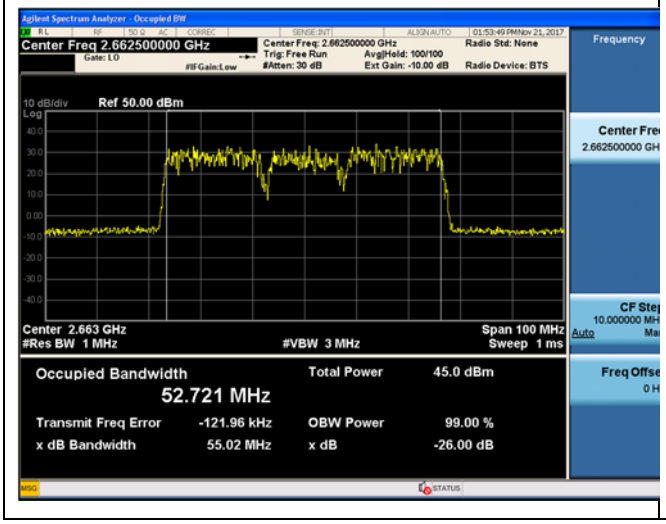
Plot Data for Output Port 4

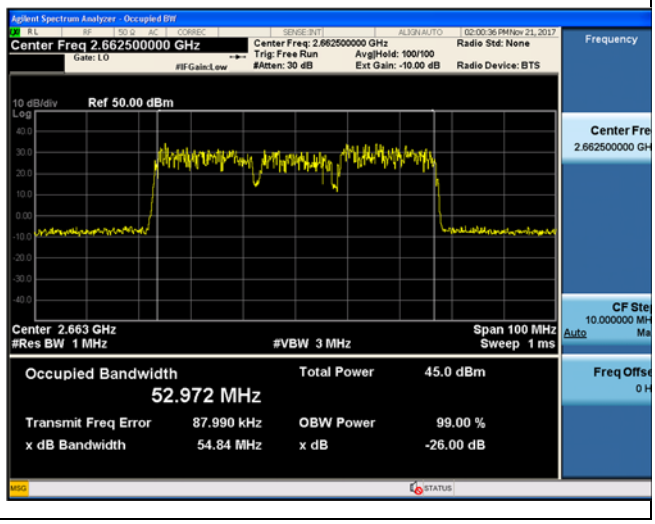
Mod.	Channel	Mod.	Channel
QPSK	Low	16QAM	Middle





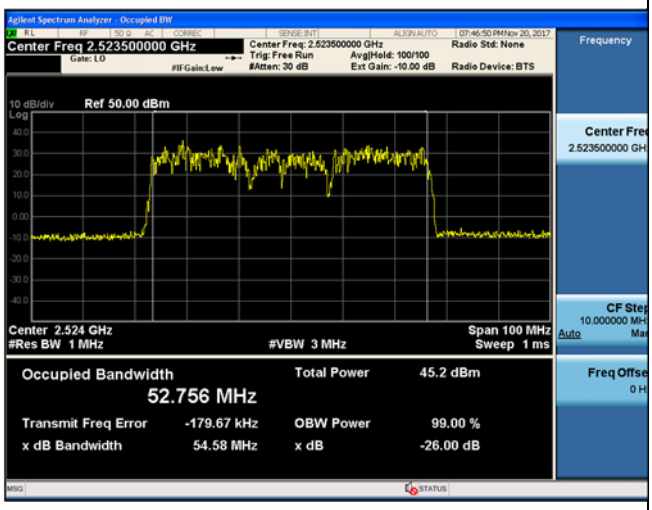
Mod.	Channel	Mod.	Channel
64QAM	High	256QAM	High

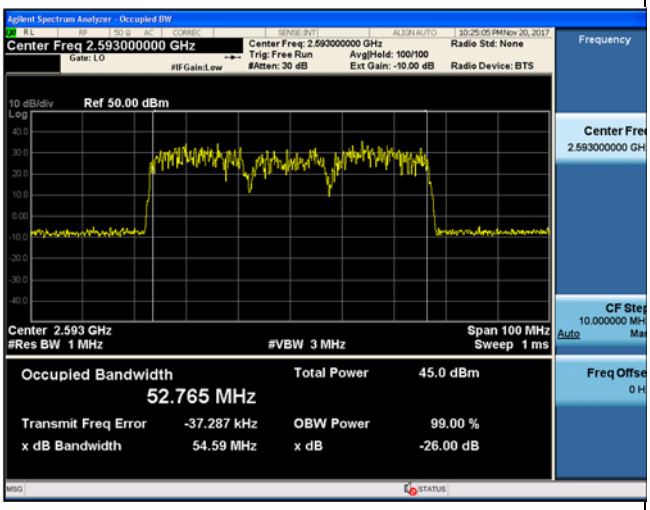




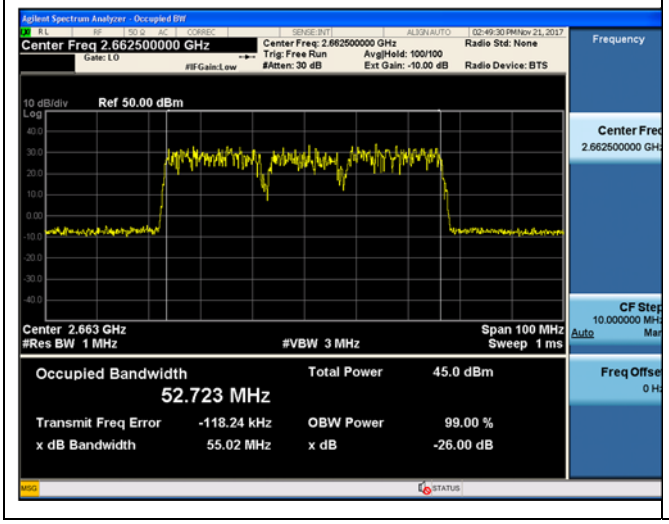
Plot Data for Output Port 5

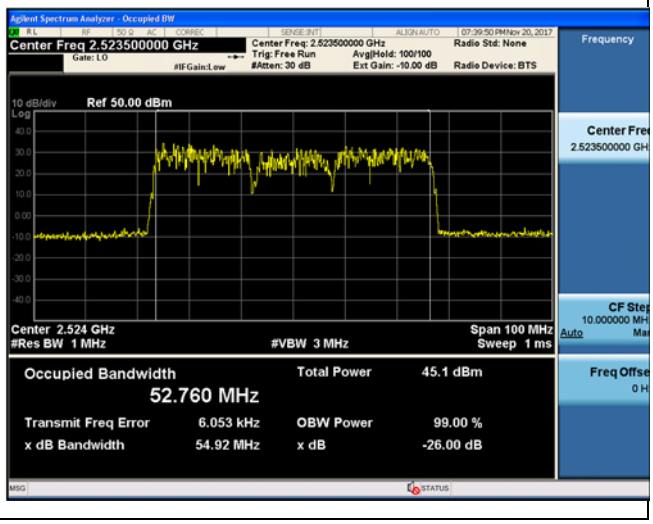
Mod.	Channel	Mod.	Channel
QPSK	Low	16QAM	Middle





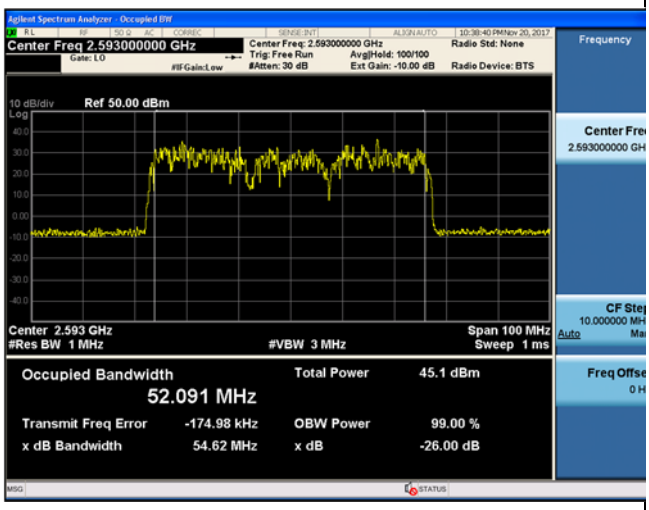
Mod.	Channel	Mod.	Channel
64QAM	High	256QAM	Low

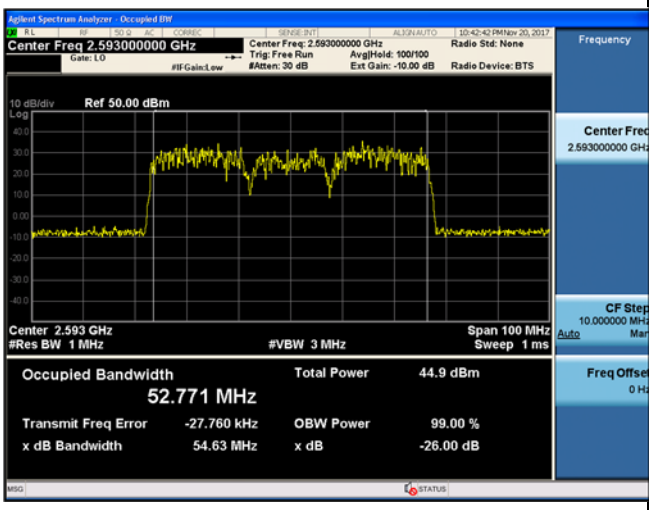




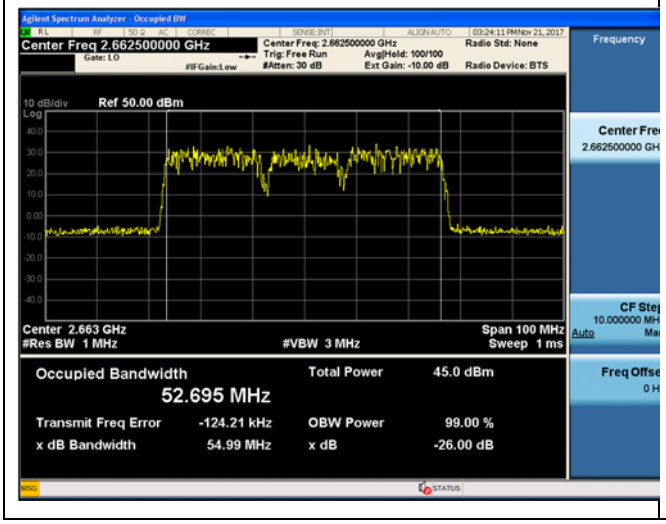
Plot Data for Output Port 6

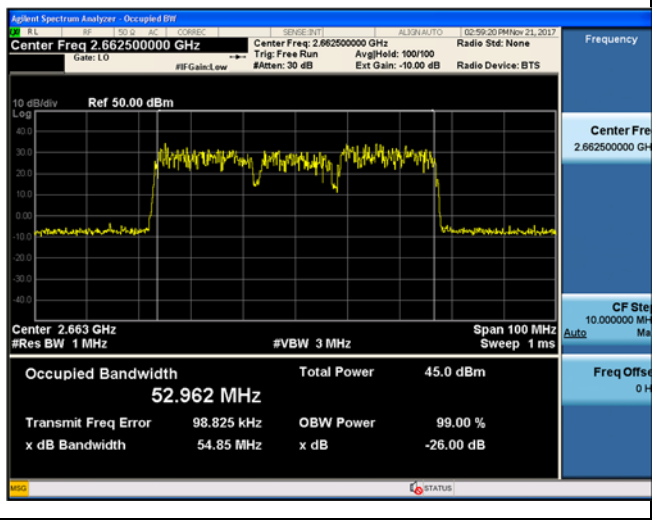
Mod.	Channel	Mod.	Channel
QPSK	Middle	16QAM	Middle



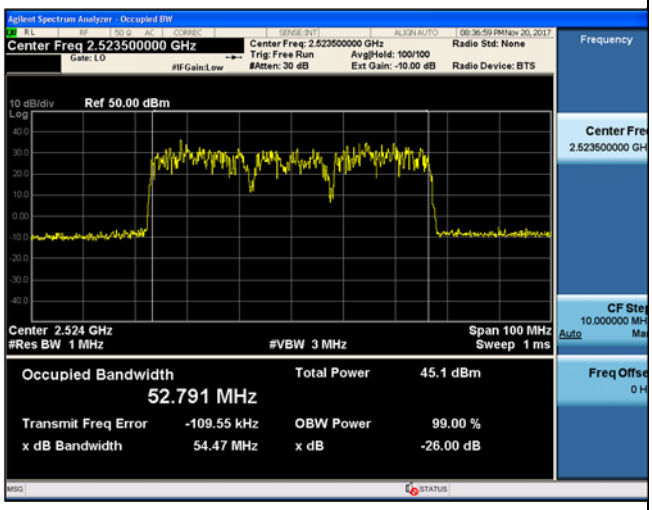
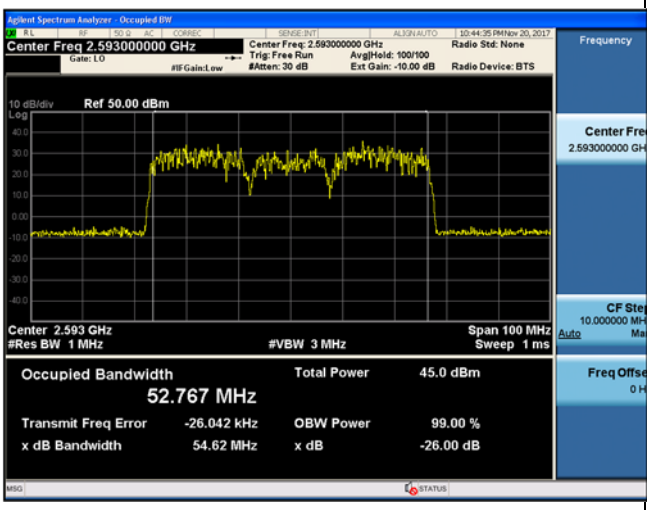
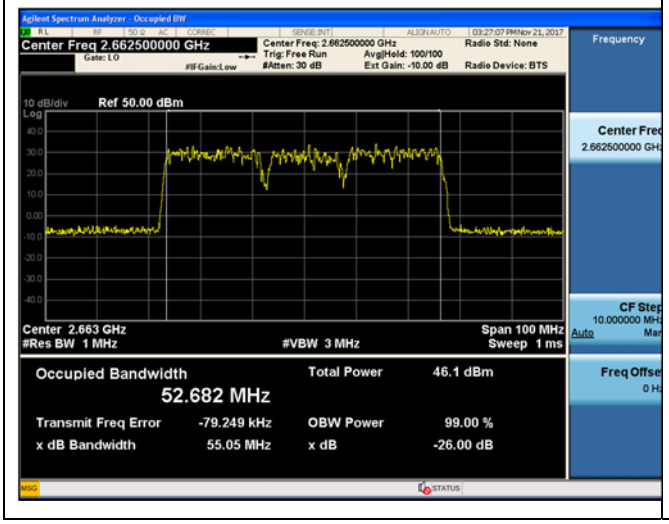
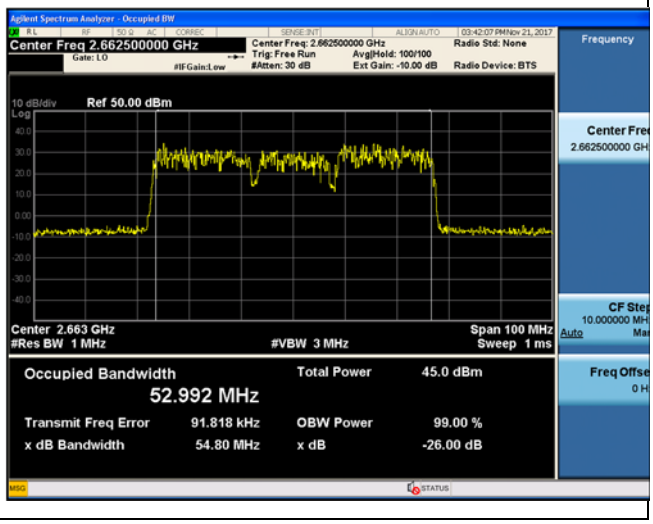


Mod.	Channel	Mod.	Channel
64QAM	High	256QAM	High





Plot Data for Output Port 7

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

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.

§ 27.53 Emission limits.

(m) For BRS and EBS stations, the power of any emissions outside the licensee's frequency bands of operation shall be attenuated below the transmitter power (P) measured in watts in accordance with the standards below. If a licensee has multiple contiguous channels, out-of-band emissions shall be measured from the upper and lower edges of the contiguous channels.

(1) Prior to the transition, and thereafter, solely within the MBS, for analog operations with an EIRP in excess of −9 dBW, the signal shall be attenuated at the channel edges by at least 38 dB relative to the peak visual carrier, then linearly sloping from that level to at least 60 dB of attenuation at 1 MHz below the lower band edge and 0.5 MHz above the upper band edge, and attenuated at least 60 dB at all other frequencies.

(2) For digital base stations, the attenuation shall be not less than 43 + 10 log (P) dB, unless a documented interference complaint is received from an adjacent channel licensee with an overlapping Geographic Service Area. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS No. 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Provided that a documented interference complaint cannot be mutually resolved between the parties prior to the applicable deadline, then the following additional attenuation requirements shall apply:

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 8x8 MIMO operation, limit is -22.03dBm (-13dBm – 10*log(8)) per FCC KDB 662911D01v02r01.

Conducted Spurious Emissions

5 MHz / 1 Carrier (5 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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
16QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
64QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
256QAM	Low	2498.50	-27.789	-30.839	-51.746	-26.679	-31.550	-26.645
	Middle	2593.00	-30.152	-31.950	-51.829	-28.306	-28.996	-26.262
	High	2687.50	-29.921	-29.904	-51.979	-28.705	-26.323	-26.767

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
16QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
64QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
256QAM	Low	2498.50	-30.951	-29.207	-51.900	-26.671	-31.504	-26.686
	Middle	2593.00	-28.867	-29.891	-52.038	-28.193	-29.161	-26.095
	High	2687.50	-30.189	-31.698	-51.928	-28.436	-26.710	-26.496

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
16QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
64QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
256QAM	Low	2498.50	-29.871	-30.093	-52.124	-26.854	-31.539	-26.846
	Middle	2593.00	-32.052	-31.674	-51.614	-28.240	-29.461	-26.229
	High	2687.50	-28.589	-30.924	-52.054	-28.126	-26.213	-26.879

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
16QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
64QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
256QAM	Low	2498.50	-30.709	-30.558	-51.887	-26.945	-30.659	-26.756
	Middle	2593.00	-30.581	-30.296	-51.782	-28.530	-29.519	-26.590
	High	2687.50	-29.238	-31.333	-52.062	-28.662	-29.149	-26.255

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
16QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
64QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
256QAM	Low	2498.50	-30.161	-30.088	-51.274	-26.154	-31.015	-26.762
	Middle	2593.00	-30.678	-31.004	-50.383	-28.393	-29.176	-26.624
	High	2687.50	-29.835	-30.578	-52.149	-28.272	-28.505	-26.603

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
16QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
64QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
256QAM	Low	2498.50	-29.273	-30.250	-51.774	-25.870	-31.672	-26.621
	Middle	2593.00	-30.364	-29.700	-50.964	-28.542	-29.003	-26.598
	High	2687.50	-30.488	-32.036	-51.939	-28.417	-25.199	-26.722

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
16QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
64QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
256QAM	Low	2498.50	-29.235	-29.509	-51.959	-25.915	-31.702	-26.902
	Middle	2593.00	-30.278	-30.845	-51.825	-27.978	-29.261	-26.602
	High	2687.50	-30.519	-31.070	-51.386	-28.126	-28.499	-26.461

Test Result for Output Port 7

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
16QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
64QAM	Low	2498.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2687.50	-	-	-	-	-	-
256QAM	Low	2498.50	-29.978	-30.233	-51.914	-26.631	-31.679	-26.826
	Middle	2593.00	-30.187	-30.812	-50.681	-28.372	-29.157	-26.399
	High	2687.50	-30.732	-29.986	-51.722	-28.618	-26.105	-26.670

5 MHz + 5 MHz / 2 Carriers (5 W + 5 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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
16QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
64QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
256QAM	Low	2501.00	-29.386	-30.788	-51.992	-27.157	-29.133	-25.601
	Middle	2593.00	-30.212	-30.451	-49.365	-28.229	-29.228	-25.920
	High	2685.00	-28.641	-30.929	-51.853	-28.488	-27.015	-26.738

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
16QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
64QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
256QAM	Low	2501.00	-31.073	-30.762	-51.815	-26.600	-29.138	-25.762
	Middle	2593.00	-31.626	-30.459	-47.950	-28.370	-29.191	-26.437
	High	2685.00	-29.799	-30.821	-51.490	-28.213	-27.871	-26.918

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
16QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
64QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
256QAM	Low	2501.00	-29.066	-31.022	-51.846	-25.450	-29.121	-26.501
	Middle	2593.00	-29.735	-30.252	-49.525	-28.430	-28.926	-26.436
	High	2685.00	-29.186	-30.376	-51.435	-28.017	-25.163	-26.798

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
16QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
64QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
256QAM	Low	2501.00	-30.208	-30.775	-51.621	-26.665	-28.955	-26.505
	Middle	2593.00	-30.026	-29.702	-48.421	-28.176	-29.366	-26.260
	High	2685.00	-30.375	-29.903	-51.163	-28.434	-25.102	-26.611

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
16QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
64QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
256QAM	Low	2501.00	-30.113	-32.741	-51.768	-27.206	-29.347	-26.466
	Middle	2593.00	-29.867	-30.598	-49.218	-28.544	-29.275	-26.476
	High	2685.00	-29.202	-30.811	-51.466	-28.472	-26.457	-26.612

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
16QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
64QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
256QAM	Low	2501.00	-29.822	-31.548	-51.818	-25.267	-29.215	-26.278
	Middle	2593.00	-30.718	-31.590	-48.197	-28.179	-29.073	-26.329
	High	2685.00	-28.084	-32.545	-51.746	-28.185	-25.955	-26.639

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
16QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
64QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
256QAM	Low	2501.00	-30.348	-30.496	-52.026	-25.350	-29.072	-26.459
	Middle	2593.00	-29.774	-29.874	-49.923	-28.190	-29.133	-26.579
	High	2685.00	-29.987	-29.267	-51.013	-28.659	-25.959	-26.925

Test Result for Output Port 7

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
16QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
64QAM	Low	2501.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2685.00	-	-	-	-	-	-
256QAM	Low	2501.00	-29.802	-32.612	-51.822	-27.501	-29.272	-26.437
	Middle	2593.00	-30.784	-30.140	-49.295	-28.475	-29.225	-26.287
	High	2685.00	-29.416	-31.057	-51.179	-28.353	-25.990	-26.729

5 MHz + 5 MHz +5 MHz / 3 Carriers (5 W + 5 W + 5 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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
16QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
64QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
256QAM	Low	2503.50	-28.910	-30.382	-51.942	-25.867	-30.863	-26.681
	Middle	2593.00	-29.563	-30.496	-50.475	-26.948	-31.672	-26.369
	High	2682.50	-29.876	-30.752	-49.651	-28.472	-28.713	-26.067

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
16QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
64QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
256QAM	Low	2503.50	-28.739	-29.015	-51.798	-26.814	-31.696	-26.711
	Middle	2593.00	-27.924	-29.320	-48.140	-26.733	-31.695	-26.766
	High	2682.50	-29.621	-30.244	-49.305	-28.315	-25.168	-26.301

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
16QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
64QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
256QAM	Low	2503.50	-27.608	-29.655	-51.803	-25.430	-31.982	-26.334
	Middle	2593.00	-30.401	-28.331	-48.267	-25.600	-31.695	-26.826
	High	2682.50	-28.222	-29.862	-50.186	-28.280	-26.148	-26.481

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
16QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
64QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
256QAM	Low	2503.50	-28.306	-29.771	-51.983	-25.404	-31.523	-26.700
	Middle	2593.00	-29.819	-29.543	-46.565	-26.450	-31.656	-26.612
	High	2682.50	-29.113	-30.286	-49.714	-27.948	-27.978	-26.188

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
16QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
64QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
256QAM	Low	2503.50	-29.508	-29.900	-51.793	-26.922	-31.784	-26.700
	Middle	2593.00	-28.637	-29.127	-48.685	-26.558	-31.941	-26.464
	High	2682.50	-30.379	-29.744	-49.493	-27.909	-26.826	-25.638

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
16QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
64QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
256QAM	Low	2503.50	-29.065	-28.858	-51.758	-26.444	-31.873	-26.503
	Middle	2593.00	-29.988	-28.614	-47.718	-26.689	-31.408	-26.548
	High	2682.50	-29.063	-29.431	-49.928	-27.759	-26.752	-26.288

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
16QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
64QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
256QAM	Low	2503.50	-28.709	-30.953	-51.682	-25.621	-31.194	-26.644
	Middle	2593.00	-29.573	-31.374	-45.698	-26.390	-31.941	-26.884
	High	2682.50	-28.392	-29.676	-49.158	-28.149	-25.054	-25.950

Test Result for Output Port 7

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
16QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
64QAM	Low	2503.50	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2682.50	-	-	-	-	-	-
256QAM	Low	2503.50	-29.599	-29.140	-51.537	-26.033	-32.153	-26.653
	Middle	2593.00	-29.337	-29.483	-47.700	-26.951	-31.831	-27.001
	High	2682.50	-28.642	-30.429	-50.725	-28.100	-26.434	-26.212

20 MHz / 1 Carrier (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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
16QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
64QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
256QAM	Low	2506.00	-26.185	-25.990	-52.192	-28.487	-31.433	-25.289
	Middle	2593.00	-27.397	-27.796	-52.679	-28.428	-31.944	-25.337
	High	2680.00	-27.785	-26.499	-52.202	-29.699	-28.636	-24.968

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
16QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
64QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
256QAM	Low	2506.00	-27.948	-27.831	-52.638	-28.276	-32.177	-25.282
	Middle	2593.00	-28.273	-25.803	-52.424	-28.835	-31.728	-24.906
	High	2680.00	-25.437	-26.897	-52.783	-29.485	-28.966	-24.555

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
16QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
64QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
256QAM	Low	2506.00	-27.099	-28.176	-52.689	-28.622	-31.543	-25.174
	Middle	2593.00	-26.047	-25.342	-52.432	-28.865	-31.847	-24.930
	High	2680.00	-27.975	-27.328	-52.449	-29.468	-28.455	-24.527

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
16QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
64QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
256QAM	Low	2506.00	-26.121	-28.597	-52.484	-28.543	-31.879	-25.113
	Middle	2593.00	-30.925	-31.996	-52.268	-28.516	-28.711	-26.474
	High	2680.00	-29.081	-32.007	-51.877	-28.443	-25.401	-25.990

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
16QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
64QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
256QAM	Low	2506.00	-25.283	-25.563	-52.292	-28.552	-31.904	-25.275
	Middle	2593.00	-28.019	-26.623	-52.453	-28.691	-31.510	-25.258
	High	2680.00	-30.829	-30.506	-50.433	-28.144	-27.811	-25.288

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
16QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
64QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
256QAM	Low	2506.00	-24.980	-27.699	-52.523	-28.603	-32.144	-25.339
	Middle	2593.00	-26.947	-28.575	-52.660	-28.209	-32.026	-25.234
	High	2680.00	-28.744	-32.909	-48.747	-27.713	-25.670	-26.258

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
16QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
64QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
256QAM	Low	2506.00	-30.155	-30.183	-52.182	-28.355	-29.143	-26.656
	Middle	2593.00	-26.522	-27.045	-52.545	-28.854	-32.207	-25.094
	High	2680.00	-29.841	-30.331	-50.526	-28.244	-25.888	-26.414

Test Result for Output Port 7

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
16QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
64QAM	Low	2506.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2680.00	-	-	-	-	-	-
256QAM	Low	2506.00	-29.331	-29.324	-52.492	-28.156	-29.139	-26.275
	Middle	2593.00	-26.912	-26.748	-52.081	-28.351	-31.573	-25.170
	High	2680.00	-27.534	-26.635	-52.732	-29.029	-27.105	-25.059

20 MHz + 20 MHz / 2 Carriers (10 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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
16QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
64QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
256QAM	Low	2516.00	-25.820	-28.688	-52.470	-27.060	-32.083	-25.424
	Middle	2593.00	-26.443	-28.167	-51.848	-29.386	-31.557	-25.260
	High	2670.00	-30.873	-29.955	-51.913	-28.263	-29.265	-25.849

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
16QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
64QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
256QAM	Low	2516.00	-29.854	-31.433	-51.911	-28.353	-29.544	-26.471
	Middle	2593.00	-29.673	-30.803	-52.160	-27.844	-29.364	-26.168
	High	2670.00	-25.846	-27.077	-52.453	-29.730	-27.356	-25.082

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
16QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
64QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
256QAM	Low	2516.00	-27.265	-27.951	-52.702	-29.309	-32.480	-25.091
	Middle	2593.00	-26.511	-25.415	-51.967	-29.117	-31.705	-25.122
	High	2670.00	-29.525	-31.191	-52.156	-28.346	-29.462	-26.172

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
16QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
64QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
256QAM	Low	2516.00	-26.956	-27.767	-52.300	-28.970	-31.918	-25.512
	Middle	2593.00	-26.112	-27.637	-51.861	-29.383	-31.799	-25.014
	High	2670.00	-26.135	-27.973	-52.236	-29.787	-31.855	-25.092

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
16QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
64QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
256QAM	Low	2516.00	-25.834	-26.016	-52.717	-29.388	-31.723	-25.661
	Middle	2593.00	-29.620	-31.577	-52.292	-28.342	-29.147	-26.299
	High	2670.00	-27.420	-27.060	-52.449	-29.432	-31.279	-25.190

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
16QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
64QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
256QAM	Low	2516.00	-24.972	-28.046	-51.927	-27.390	-31.914	-25.372
	Middle	2593.00	-29.817	-31.344	-51.929	-27.982	-29.293	-26.321
	High	2670.00	-27.517	-27.205	-52.651	-29.050	-31.992	-25.267

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
16QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
64QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
256QAM	Low	2516.00	-27.069	-27.146	-52.429	-29.289	-32.091	-25.338
	Middle	2593.00	-25.312	-26.951	-51.017	-29.564	-31.637	-25.320
	High	2670.00	-25.324	-26.638	-52.431	-29.796	-31.738	-25.383

Test Result for Output Port 7

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
16QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
64QAM	Low	2516.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2670.00	-	-	-	-	-	-
256QAM	Low	2516.00	-26.233	-26.683	-52.674	-28.360	-31.892	-25.149
	Middle	2593.00	-27.065	-27.615	-51.348	-29.477	-31.283	-25.113
	High	2670.00	-27.375	-27.364	-52.535	-29.191	-26.351	-25.054

20 MHz + 20 MHz + 20 MHz / 3 Carriers (6.67 W + 6.67 W + 6.67 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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2526.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2660.00	-	-	-	-	-	-
16QAM	Low	2526.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2660.00	-	-	-	-	-	-
64QAM	Low	2526.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2660.00	-	-	-	-	-	-
256QAM	Low	2526.00	-30.173	-30.968	-51.607	-27.116	-31.720	-26.276
	Middle	2593.00	-29.841	-30.920	-50.205	-27.819	-28.880	-26.414
	High	2660.00	-30.904	-30.125	-51.355	-27.825	-28.015	-26.008

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2526.00	-27.786	-32.571	-51.355	-28.056	-31.091	-26.270
	Middle	2593.00	-30.224	-31.629	-49.938	-28.141	-31.588	-26.469
	High	2660.00	-29.645	-29.869	-51.114	-27.872	-29.847	-26.408
16QAM	Low	2526.00	-29.567	-32.951	-51.985	-27.801	-31.428	-26.184
	Middle	2593.00	-29.626	-32.298	-50.603	-28.086	-31.278	-26.290
	High	2660.00	-30.129	-32.187	-51.497	-28.045	-26.910	-26.578
64QAM	Low	2526.00	-30.913	-29.954	-51.583	-27.625	-31.108	-26.430
	Middle	2593.00	-28.021	-31.691	-49.623	-28.121	-31.251	-26.634
	High	2660.00	-29.696	-31.623	-50.860	-28.522	-27.283	-26.244
256QAM	Low	2526.00	-29.452	-30.446	-51.654	-27.754	-31.511	-26.730
	Middle	2593.00	-29.487	-30.569	-51.338	-28.096	-29.078	-26.494
	High	2660.00	-30.680	-32.378	-51.419	-28.268	-26.657	-26.532

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2526.00	-29.885	-32.417	-51.375	-26.680	-31.207	-26.343
	Middle	2593.00	-29.278	-30.743	-49.859	-27.989	-31.616	-26.495
	High	2660.00	-29.808	-31.854	-51.890	-28.632	-27.837	-26.126
16QAM	Low	2526.00	-30.445	-32.378	-52.248	-28.185	-31.617	-26.349
	Middle	2593.00	-29.323	-30.262	-49.725	-28.610	-30.800	-26.360
	High	2660.00	-30.255	-30.781	-51.566	-27.938	-27.201	-26.404
64QAM	Low	2526.00	-29.411	-31.808	-51.446	-25.983	-31.508	-26.490
	Middle	2593.00	-28.354	-31.892	-50.113	-28.214	-31.168	-26.685
	High	2660.00	-30.648	-29.272	-51.585	-28.198	-25.189	-26.529
256QAM	Low	2526.00	-30.216	-29.017	-51.266	-27.392	-29.058	-26.300
	Middle	2593.00	-29.769	-32.749	-50.410	-28.719	-29.102	-26.424
	High	2660.00	-30.717	-32.349	-51.106	-28.329	-28.381	-26.683

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2526.00	-28.268	-31.829	-51.208	-27.875	-31.579	-26.181
	Middle	2593.00	-29.812	-30.401	-49.021	-28.263	-31.363	-26.823
	High	2660.00	-30.281	-30.321	-51.766	-28.100	-25.248	-26.335
16QAM	Low	2526.00	-30.819	-31.069	-52.287	-27.187	-31.154	-26.487
	Middle	2593.00	-29.171	-31.207	-49.856	-28.660	-31.635	-26.316
	High	2660.00	-30.327	-29.527	-50.945	-28.612	-29.248	-26.487
64QAM	Low	2526.00	-29.636	-31.881	-51.238	-26.698	-31.580	-26.277
	Middle	2593.00	-29.140	-30.465	-48.993	-28.151	-31.771	-26.412
	High	2660.00	-29.623	-31.547	-51.131	-28.389	-26.951	-26.300
256QAM	Low	2526.00	-29.352	-30.704	-51.472	-27.894	-31.654	-26.319
	Middle	2593.00	-29.988	-30.349	-49.582	-28.044	-28.870	-26.752
	High	2660.00	-29.560	-32.900	-51.546	-28.101	-27.346	-26.336

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2526.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2660.00	-	-	-	-	-	-
16QAM	Low	2526.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2660.00	-	-	-	-	-	-
64QAM	Low	2526.00	-	-	-	-	-	-
	Middle	2593.00	-	-	-	-	-	-
	High	2660.00	-	-	-	-	-	-
256QAM	Low	2526.00	-30.803	-31.981	-51.614	-28.069	-31.422	-26.604
	Middle	2593.00	-29.545	-31.123	-50.399	-28.194	-29.171	-26.082
	High	2660.00	-30.778	-30.774	-50.807	-28.323	-29.482	-26.436

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2526.00	-30.287	-29.989	-52.183	-27.627	-31.517	-26.256
	Middle	2593.00	-29.118	-29.943	-49.115	-28.345	-31.600	-26.622
	High	2660.00	-28.635	-30.259	-51.234	-28.102	-26.968	-26.312
16QAM	Low	2526.00	-30.335	-31.285	-51.805	-27.779	-31.064	-26.403
	Middle	2593.00	-29.547	-30.745	-49.738	-27.980	-31.692	-26.356
	High	2660.00	-29.628	-32.122	-51.442	-28.330	-27.562	-26.417
64QAM	Low	2526.00	-30.634	-31.324	-51.646	-26.708	-31.554	-26.486
	Middle	2593.00	-28.953	-31.777	-49.230	-27.658	-31.671	-26.646
	High	2660.00	-29.960	-31.843	-51.081	-27.702	-28.501	-26.635
256QAM	Low	2526.00	-30.334	-31.714	-51.381	-28.585	-31.526	-26.406
	Middle	2593.00	-30.097	-29.548	-49.251	-28.538	-29.192	-26.310
	High	2660.00	-30.446	-31.176	-51.336	-28.177	-26.551	-26.529

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2526.00	-30.490	-29.126	-51.879	-26.818	-31.353	-26.260
	Middle	2593.00	-30.844	-30.427	-49.763	-28.816	-31.547	-26.522
	High	2660.00	-30.402	-30.673	-51.347	-28.273	-29.759	-26.110
16QAM	Low	2526.00	-29.710	-30.300	-51.459	-28.014	-31.174	-26.374
	Middle	2593.00	-31.133	-31.864	-49.103	-28.913	-31.442	-26.505
	High	2660.00	-28.882	-31.269	-51.222	-28.755	-27.291	-26.260
64QAM	Low	2526.00	-29.638	-31.422	-51.360	-27.617	-31.458	-26.503
	Middle	2593.00	-29.618	-31.008	-50.221	-28.398	-31.480	-26.531
	High	2660.00	-28.616	-30.812	-50.583	-28.327	-27.845	-26.336
256QAM	Low	2526.00	-28.721	-31.738	-51.314	-26.468	-31.674	-26.412
	Middle	2593.00	-29.190	-31.834	-51.555	-27.957	-29.550	-26.324
	High	2660.00	-29.732	-29.848	-51.419	-27.907	-28.535	-26.530

Test Result for Output Port 7

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2526.00	-30.286	-31.876	-51.213	-27.788	-31.721	-25.574
	Middle	2593.00	-29.148	-29.550	-49.823	-28.184	-31.748	-26.316
	High	2660.00	-30.986	-30.399	-50.925	-28.186	-27.270	-26.096
16QAM	Low	2526.00	-29.211	-30.048	-51.879	-26.071	-31.041	-31.041
	Middle	2593.00	-31.017	-30.327	-49.552	-28.173	-31.307	-26.392
	High	2660.00	-30.466	-31.547	-51.486	-28.647	-26.498	-26.336
64QAM	Low	2526.00	-29.982	-31.149	-51.153	-27.730	-31.494	-26.211
	Middle	2593.00	-28.623	-29.967	-49.560	-28.208	-30.530	-26.462
	High	2660.00	-30.057	-30.528	-51.176	-27.037	-25.633	-26.151
256QAM	Low	2526.00	-30.153	-31.681	-51.480	-27.841	-31.373	-26.048
	Middle	2593.00	-30.408	-30.838	-50.531	-28.405	-29.750	-26.304
	High	2660.00	-29.418	-31.764	-51.578	-28.777	-27.501	-26.477

15 MHz / 1 Carrier (7.5 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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-30.231	-30.818	-51.980	-28.416	-29.870	-26.800
	Middle	2593.00	-30.413	-31.598	-51.793	-28.223	-29.249	-26.342
	High	2682.50	-30.239	-30.545	-51.858	-28.554	-29.171	-26.579
16QAM	Low	2503.50	-29.163	-30.901	-52.126	-28.198	-29.580	-26.472
	Middle	2593.00	-31.357	-30.674	-51.795	-27.972	-29.360	-26.558
	High	2682.50	-29.585	-29.391	-52.187	-28.632	-29.354	-26.426
64QAM	Low	2503.50	-30.071	-31.095	-52.283	-28.107	-29.727	-26.498
	Middle	2593.00	-29.065	-31.027	-52.108	-28.266	-28.926	-26.356
	High	2682.50	-30.633	-31.024	-51.923	-28.045	-29.321	-26.681
256QAM	Low	2503.50	-28.891	-30.163	-51.912	-28.210	-29.301	-26.786
	Middle	2593.00	-30.473	-31.636	-51.995	-28.173	-29.054	-26.572
	High	2682.50	-29.893	-29.141	-52.027	-28.064	-29.329	-26.624

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-30.528	-30.627	-52.117	-28.433	-29.649	-26.619
	Middle	2593.00	-30.257	-30.128	-52.208	-28.452	-28.877	-26.740
	High	2682.50	-30.467	-30.623	-51.988	-28.383	-29.820	-26.437
16QAM	Low	2503.50	-28.884	-29.529	-51.876	-28.942	-29.446	-26.334
	Middle	2593.00	-29.411	-31.030	-51.903	-28.300	-29.795	-26.730
	High	2682.50	-29.795	-31.533	-51.864	-28.154	-29.346	-26.608
64QAM	Low	2503.50	-28.979	-31.416	-52.109	-27.918	-29.433	-26.507
	Middle	2593.00	-29.269	-30.701	-51.490	-28.557	-29.415	-26.251
	High	2682.50	-29.889	-31.792	-51.861	-28.556	-29.255	-26.581
256QAM	Low	2503.50	-30.062	-30.430	-51.755	-28.457	-29.071	-26.728
	Middle	2593.00	-29.588	-29.749	-52.176	-28.447	-28.978	-26.633
	High	2682.50	-30.013	-30.651	-51.126	-28.605	-29.390	-26.199

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-30.439	-31.593	-51.881	-28.590	-29.450	-26.252
	Middle	2593.00	-30.536	-31.551	-51.898	-28.489	-29.440	-26.591
	High	2682.50	-29.839	-29.530	-52.105	-28.107	-28.914	-26.703
16QAM	Low	2503.50	-29.162	-30.546	-52.055	-28.486	-29.567	-26.383
	Middle	2593.00	-29.715	-31.000	-51.992	-28.277	-29.172	-26.414
	High	2682.50	-30.215	-30.669	-52.137	-28.439	-29.438	-26.641
64QAM	Low	2503.50	-30.130	-30.785	-51.871	-28.658	-29.294	-26.505
	Middle	2593.00	-30.000	-31.225	-51.772	-28.356	-29.624	-26.473
	High	2682.50	-30.921	-30.858	-52.116	-28.529	-29.161	-26.626
256QAM	Low	2503.50	-30.726	-31.245	-51.909	-28.403	-29.444	-26.573
	Middle	2593.00	-30.881	-31.369	-52.217	-28.561	-29.441	-26.648
	High	2682.50	-29.206	-30.012	-52.195	-28.353	-29.077	-26.513

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-30.151	-32.085	-51.912	-28.341	-29.709	-26.641
	Middle	2593.00	-30.444	-31.535	-51.921	-28.347	-29.148	-26.057
	High	2682.50	-30.355	-30.309	-51.891	-28.811	-29.245	-26.727
16QAM	Low	2503.50	-30.182	-31.479	-52.133	-28.087	-29.881	-26.483
	Middle	2593.00	-30.463	-29.987	-52.090	-28.673	-29.558	-26.656
	High	2682.50	-30.831	-30.782	-52.035	-28.547	-29.335	-26.609
64QAM	Low	2503.50	-30.581	-31.238	-52.027	-28.378	-28.549	-26.744
	Middle	2593.00	-29.643	-29.836	-52.065	-27.778	-29.595	-26.448
	High	2682.50	-29.410	-31.302	-51.851	-28.509	-29.375	-26.748
256QAM	Low	2503.50	-30.716	-31.117	-51.719	-28.130	-29.336	-26.810
	Middle	2593.00	-30.349	-30.262	-52.011	-28.425	-28.975	-26.009
	High	2682.50	-29.964	-30.857	-51.994	-28.554	-29.691	-26.446

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-28.538	-30.708	-51.960	-28.734	-29.442	-26.294
	Middle	2593.00	-29.749	-31.778	-52.061	-28.305	-29.466	-26.411
	High	2682.50	-30.078	-30.448	-51.855	-27.763	-29.491	-26.437
16QAM	Low	2503.50	-29.897	-30.856	-52.054	-28.568	-29.253	-26.658
	Middle	2593.00	-30.404	-31.164	-52.217	-28.138	-29.322	-26.448
	High	2682.50	-30.048	-30.710	-52.138	-28.517	-29.643	-26.626
64QAM	Low	2503.50	-30.259	-31.525	-52.172	-28.600	-29.200	-26.428
	Middle	2593.00	-29.689	-31.935	-51.980	-27.830	-29.244	-26.719
	High	2682.50	-29.913	-31.636	-51.251	-28.353	-29.495	-26.306
256QAM	Low	2503.50	-29.239	-32.022	-52.078	-28.314	-29.720	-26.488
	Middle	2593.00	-29.105	-31.989	-51.864	-28.324	-29.395	-26.693
	High	2682.50	-30.611	-30.264	-51.615	-28.155	-29.145	-26.403

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-28.831	-29.926	-52.147	-27.638	-29.544	-26.474
	Middle	2593.00	-30.673	-31.143	-52.278	-28.427	-29.194	-26.742
	High	2682.50	-28.506	-30.682	-52.154	-28.246	-29.351	-26.461
16QAM	Low	2503.50	-30.189	-30.485	-52.040	-27.907	-29.444	-26.138
	Middle	2593.00	-29.710	-29.413	-51.696	-28.716	-29.152	-26.356
	High	2682.50	-29.515	-29.751	-52.068	-28.380	-29.306	-26.448
64QAM	Low	2503.50	-30.090	-32.268	-51.814	-28.553	-29.312	-26.657
	Middle	2593.00	-27.975	-30.798	-51.837	-28.666	-29.228	-26.000
	High	2682.50	-30.464	-30.273	-51.432	-28.771	-29.021	-26.141
256QAM	Low	2503.50	-30.086	-31.953	-52.146	-28.226	-28.883	-26.329
	Middle	2593.00	-29.383	-31.114	-51.969	-28.490	-29.424	-26.432
	High	2682.50	-30.066	-32.077	-52.147	-28.637	-29.548	-26.410

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-29.982	-30.249	-52.006	-28.586	-29.411	-26.588
	Middle	2593.00	-28.731	-29.700	-51.260	-28.395	-29.249	-26.718
	High	2682.50	-29.255	-31.037	-51.925	-28.170	-29.593	-26.446
16QAM	Low	2503.50	-29.659	-31.091	-51.691	-28.658	-29.009	-26.768
	Middle	2593.00	-28.744	-32.776	-52.092	-28.225	-29.214	-26.388
	High	2682.50	-30.434	-30.465	-51.991	-28.132	-29.759	-26.532
64QAM	Low	2503.50	-30.272	-33.194	-52.032	-28.302	-29.715	-26.221
	Middle	2593.00	-29.627	-31.113	-52.240	-28.349	-29.712	-26.761
	High	2682.50	-29.976	-31.104	-51.971	-28.382	-29.499	-26.410
256QAM	Low	2503.50	-28.371	-30.702	-52.077	-28.426	-29.212	-26.786
	Middle	2593.00	-29.267	-32.947	-52.018	-28.458	-29.627	-26.836
	High	2682.50	-28.875	-30.078	-51.795	-28.051	-29.612	-26.715

Test Result for Output Port 7

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2503.50	-30.238	-31.668	-52.275	-28.222	-29.278	-26.380
	Middle	2593.00	-30.294	-29.489	-51.800	-28.171	-29.205	-26.320
	High	2682.50	-30.906	-29.715	-51.876	-28.105	-29.051	-26.539
16QAM	Low	2503.50	-30.084	-30.722	-51.490	-28.252	-29.292	-26.573
	Middle	2593.00	-29.082	-29.711	-51.960	-28.518	-29.311	-26.663
	High	2682.50	-31.070	-30.380	-52.210	-28.100	-29.358	-26.494
64QAM	Low	2503.50	-30.075	-30.410	-51.688	-28.175	-29.101	-26.779
	Middle	2593.00	-29.134	-31.048	-51.577	-28.538	-29.578	-26.478
	High	2682.50	-30.473	-29.959	-52.117	-28.413	-29.577	-26.767
256QAM	Low	2503.50	-27.723	-31.398	-52.029	-28.229	-29.146	-26.715
	Middle	2593.00	-28.606	-30.833	-51.897	-28.535	-29.522	-26.235
	High	2682.50	-30.695	-30.867	-52.062	-28.407	-29.271	-26.511

20 MHz +15 MHz / 2 Carriers (10 W + 7.5 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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2513.50	-27.814	-29.577	-51.596	-26.738	-31.892	-26.707
	Middle	2593.00	-28.632	-29.597	-47.900	-27.139	-31.663	-26.320
	High	2672.50	-28.805	-30.045	-50.974	-26.278	-29.957	-26.387
16QAM	Low	2513.50	-29.358	-29.992	-51.396	-26.657	-31.671	-25.997
	Middle	2593.00	-29.076	-29.787	-48.789	-26.675	-31.496	-26.205
	High	2672.50	-28.797	-31.107	-50.242	-26.644	-29.103	-26.580
64QAM	Low	2513.50	-28.934	-31.304	-51.655	-26.777	-31.790	-26.127
	Middle	2593.00	-30.280	-30.149	-47.588	-26.637	-31.866	-26.625
	High	2672.50	-28.412	-30.688	-50.769	-27.030	-28.078	-26.738
256QAM	Low	2513.50	-28.857	-29.183	-51.630	-26.222	-31.693	-26.464
	Middle	2593.00	-28.781	-29.367	-48.617	-27.117	-31.938	-26.832
	High	2672.50	-29.456	-29.929	-50.334	-26.866	-29.655	-26.798

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2513.50	-29.261	-30.998	-51.677	-26.789	-31.975	-26.566
	Middle	2593.00	-30.076	-29.573	-47.514	-27.192	-31.535	-26.963
	High	2672.50	-29.226	-29.501	-49.871	-26.655	-29.196	-26.763
16QAM	Low	2513.50	-28.427	-30.882	-51.887	-26.655	-31.278	-26.586
	Middle	2593.00	-28.171	-30.145	-48.248	-26.516	-31.882	-26.606
	High	2672.50	-28.649	-29.737	-50.519	-26.769	-29.135	-26.582
64QAM	Low	2513.50	-28.383	-30.324	-51.431	-26.719	-31.336	-26.537
	Middle	2593.00	-29.317	-29.861	-47.578	-26.422	-31.577	-26.714
	High	2672.50	-28.525	-30.158	-50.661	-26.537	-28.817	-26.456
256QAM	Low	2513.50	-28.738	-28.990	-51.391	-26.106	-31.744	-26.643
	Middle	2593.00	-29.424	-28.553	-47.926	-26.567	-31.808	-26.589
	High	2672.50	-29.959	-29.984	-50.927	-26.755	-29.644	-26.688

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2513.50	-30.337	-30.160	-51.639	-25.594	-31.480	-26.512
	Middle	2593.00	-28.517	-30.030	-49.023	-26.208	-31.411	-26.838
	High	2672.50	-26.596	-29.571	-50.581	-26.486	-30.213	-26.800
16QAM	Low	2513.50	-28.244	-28.900	-51.479	-26.489	-31.660	-26.598
	Middle	2593.00	-28.205	-29.782	-48.561	-26.938	-31.624	-26.767
	High	2672.50	-28.550	-29.919	-50.670	-27.159	-30.389	-26.618
64QAM	Low	2513.50	-29.177	-31.391	-51.663	-26.208	-31.478	-26.079
	Middle	2593.00	-28.836	-29.062	-48.253	-27.000	-31.330	-26.799
	High	2672.50	-29.535	-31.159	-50.647	-26.768	-28.583	-26.640
256QAM	Low	2513.50	-28.564	-29.905	-51.383	-26.867	-31.557	-26.711
	Middle	2593.00	-29.435	-29.879	-48.202	-26.367	-31.876	-26.460
	High	2672.50	-27.844	-30.666	-50.766	-26.738	-29.217	-26.832

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2513.50	-28.702	-30.339	-51.196	-26.279	-31.073	-26.468
	Middle	2593.00	-29.314	-30.274	-48.477	-26.814	-31.400	-26.593
	High	2672.50	-29.182	-29.765	-50.672	-26.842	-30.590	-26.631
16QAM	Low	2513.50	-29.785	-28.657	-51.702	-26.559	-31.196	-26.756
	Middle	2593.00	-28.635	-30.389	-49.156	-26.580	-31.592	-26.701
	High	2672.50	-29.807	-29.464	-50.827	-27.119	-30.608	-26.726
64QAM	Low	2513.50	-28.315	-28.535	-51.631	-26.215	-30.966	-26.763
	Middle	2593.00	-28.521	-30.215	-48.712	-26.755	-31.103	-26.359
	High	2672.50	-28.748	-29.156	-51.393	-27.220	-29.508	-26.789
256QAM	Low	2513.50	-28.482	-29.012	-51.557	-26.463	-31.913	-26.691
	Middle	2593.00	-27.293	-30.490	-49.070	-26.900	-31.734	-26.759
	High	2672.50	-27.926	-29.906	-51.341	-27.098	-31.038	-26.494

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2513.50	-29.445	-29.816	-52.170	-23.959	-31.577	-26.388
	Middle	2593.00	-28.905	-30.440	-48.425	-26.711	-31.279	-26.745
	High	2672.50	-26.516	-30.618	-51.157	-26.675	-28.420	-26.405
16QAM	Low	2513.50	-28.828	-29.539	-51.796	-26.062	-31.489	-26.603
	Middle	2593.00	-28.855	-31.057	-48.521	-26.776	-31.135	-26.362
	High	2672.50	-29.362	-30.229	-51.139	-27.099	-31.277	-26.745
64QAM	Low	2513.50	-28.582	-29.893	-51.386	-26.495	-31.232	-25.768
	Middle	2593.00	-27.941	-30.851	-48.248	-27.058	-31.416	-26.097
	High	2672.50	-28.697	-30.588	-51.143	-26.711	-30.430	-26.515
256QAM	Low	2513.50	-28.732	-30.371	-52.038	-24.977	-31.392	-26.516
	Middle	2593.00	-28.146	-30.022	-48.746	-26.873	-31.550	-26.393
	High	2672.50	-27.720	-31.610	-51.062	-27.216	-28.554	-26.800

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2513.50	-29.313	-28.424	-51.761	-26.278	-31.166	-26.073
	Middle	2593.00	-29.069	-30.559	-47.693	-26.476	-31.699	-26.827
	High	2672.50	-29.221	-30.743	-50.781	-26.771	-29.074	-26.770
16QAM	Low	2513.50	-28.981	-30.749	-51.695	-26.988	-31.645	-26.207
	Middle	2593.00	-29.332	-31.136	-48.459	-26.808	-31.339	-25.904
	High	2672.50	-29.334	-30.068	-50.666	-27.096	-27.064	-26.904
64QAM	Low	2513.50	-28.564	-28.897	-51.828	-25.668	-31.527	-26.708
	Middle	2593.00	-29.766	-31.158	-48.785	-26.137	-31.822	-26.680
	High	2672.50	-30.027	-30.414	-50.792	-26.841	-29.691	-26.726
256QAM	Low	2513.50	-29.002	-30.436	-51.577	-26.392	-31.586	-26.308
	Middle	2593.00	-29.771	-29.767	-48.619	-26.720	-31.483	-26.102
	High	2672.50	-29.676	-28.163	-51.471	-26.600	-27.764	-26.314

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2513.50	-28.059	-30.416	-51.263	-26.111	-30.951	-25.905
	Middle	2593.00	-29.452	-30.863	-47.523	-26.466	-30.964	-26.640
	High	2672.50	-28.960	-31.128	-51.035	-26.887	-29.958	-26.840
16QAM	Low	2513.50	-28.070	-28.230	-51.455	-25.402	-31.328	-26.709
	Middle	2593.00	-28.872	-29.562	-47.182	-27.018	-30.768	-25.879
	High	2672.50	-27.853	-30.352	-51.468	-26.892	-29.683	-26.634
64QAM	Low	2513.50	-29.193	-30.696	-51.353	-26.449	-31.283	-26.634
	Middle	2593.00	-29.033	-31.141	-48.174	-26.511	-31.776	-26.476
	High	2672.50	-27.870	-30.081	-51.098	-26.888	-30.176	-26.811
256QAM	Low	2513.50	-29.509	-29.680	-51.055	-26.681	-30.177	-26.439
	Middle	2593.00	-28.804	-30.707	-49.647	-26.828	-31.756	-26.653
	High	2672.50	-29.760	-28.947	-51.116	-26.156	-28.635	-26.340

Test Result for Output Port 7

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2513.50	-28.286	-29.635	-51.145	-25.948	-31.496	-26.312
	Middle	2593.00	-29.439	-28.794	-49.079	-26.856	-31.801	-26.593
	High	2672.50	-29.124	-28.402	-51.149	-26.659	-29.953	-26.772
16QAM	Low	2513.50	-30.380	-29.918	-51.181	-24.915	-31.481	-26.466
	Middle	2593.00	-27.720	-30.636	-48.863	-26.682	-31.417	-26.650
	High	2672.50	-29.858	-29.272	-50.614	-27.070	-27.322	-26.551
64QAM	Low	2513.50	-29.235	-30.895	-51.518	-25.832	-31.077	-26.706
	Middle	2593.00	-30.012	-29.502	-47.918	-26.897	-31.527	-26.172
	High	2672.50	-28.223	-29.250	-50.221	-26.450	-29.588	-26.355
256QAM	Low	2513.50	-28.830	-30.764	-51.153	-26.560	-31.093	-26.355
	Middle	2593.00	-29.184	-29.653	-49.827	-26.011	-31.293	-26.308
	High	2672.50	-29.459	-28.977	-51.845	-27.144	-29.203	-26.488

20 MHz +15 MHz +20 MHz / 3 Carriers (6.67 W + 5 W + 6.67 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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2523.50	-29.708	-31.289	-51.754	-27.590	-31.403	-26.675
	Middle	2593.00	-30.208	-30.969	-50.251	-28.327	-30.718	-26.752
	High	2662.50	-30.263	-31.149	-52.195	-28.285	-31.721	-26.230
16QAM	Low	2523.50	-28.073	-30.701	-51.723	-24.433	-31.435	-25.793
	Middle	2593.00	-29.483	-31.048	-49.092	-28.168	-30.629	-26.627
	High	2662.50	-30.953	-30.467	-51.666	-28.173	-27.225	-26.455
64QAM	Low	2523.50	-30.689	-31.545	-51.723	-27.874	-31.485	-26.135
	Middle	2593.00	-30.160	-31.603	-49.999	-28.238	-31.564	-26.526
	High	2662.50	-29.731	-30.944	-51.521	-28.550	-31.487	-26.481
256QAM	Low	2523.50	-30.089	-29.741	-51.662	-28.091	-32.183	-26.441
	Middle	2593.00	-29.234	-30.993	-52.370	-28.238	-31.636	-26.570
	High	2662.50	-29.919	-31.867	-51.298	-28.478	-26.494	-26.577

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2523.50	-30.490	-31.235	-51.464	-28.360	-30.727	-26.679
	Middle	2593.00	-29.058	-31.766	-50.075	-28.872	-31.881	-26.577
	High	2662.50	-30.349	-30.991	-51.956	-28.415	-29.320	-26.691
16QAM	Low	2523.50	-30.708	-31.286	-51.905	-28.190	-31.454	-25.941
	Middle	2593.00	-29.741	-30.545	-50.530	-27.869	-31.965	-26.625
	High	2662.50	-30.228	-29.808	-51.131	-27.652	-29.048	-26.505
64QAM	Low	2523.50	-29.756	-29.370	-51.581	-28.141	-31.764	-26.782
	Middle	2593.00	-27.768	-31.958	-49.579	-27.148	-31.292	-26.761
	High	2662.50	-30.882	-31.323	-51.012	-28.188	-31.166	-26.492
256QAM	Low	2523.50	-27.920	-32.170	-51.816	-28.355	-32.042	-26.590
	Middle	2593.00	-29.656	-32.902	-52.068	-28.454	-32.078	-26.636
	High	2662.50	-30.217	-30.375	-51.344	-28.154	-28.560	-26.193

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2523.50	-28.777	-32.135	-51.633	-28.169	-31.655	-26.445
	Middle	2593.00	-28.299	-31.992	-49.526	-28.264	-31.524	-26.527
	High	2662.50	-29.534	-31.599	-51.934	-27.444	-31.340	-26.683
16QAM	Low	2523.50	-30.134	-31.575	-51.407	-27.947	-31.391	-26.429
	Middle	2593.00	-29.082	-29.394	-50.023	-28.299	-31.419	-26.694
	High	2662.50	-30.572	-30.965	-50.963	-28.309	-27.465	-26.234
64QAM	Low	2523.50	-30.881	-30.275	-51.281	-28.066	-30.665	-26.640
	Middle	2593.00	-30.319	-30.566	-51.330	-27.977	-31.228	-26.553
	High	2662.50	-30.054	-31.538	-51.720	-28.360	-29.196	-26.204
256QAM	Low	2523.50	-29.241	-31.087	-51.861	-28.434	-31.780	-26.644
	Middle	2593.00	-30.021	-29.565	-52.172	-28.459	-31.667	-26.951
	High	2662.50	-29.534	-29.709	-50.949	-28.385	-30.300	-26.587

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 ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2523.50	-31.205	-29.317	-51.307	-28.190	-31.349	-26.097
	Middle	2593.00	-28.503	-30.900	-49.238	-28.296	-31.603	-26.423
	High	2662.50	-30.574	-31.206	-51.762	-28.812	-26.338	-26.437
16QAM	Low	2523.50	-29.247	-30.091	-51.636	-27.420	-31.369	-26.365
	Middle	2593.00	-30.588	-31.490	-49.556	-27.885	-31.165	-26.788
	High	2662.50	-29.746	-32.162	-51.772	-28.488	-26.007	-26.127
64QAM	Low	2523.50	-29.771	-29.932	-51.384	-27.926	-31.908	-26.721
	Middle	2593.00	-30.627	-30.342	-50.372	-28.768	-31.694	-26.654
	High	2662.50	-30.254	-31.139	-51.256	-28.092	-28.647	-26.257
256QAM	Low	2523.50	-31.318	-30.541	-51.866	-28.425	-31.948	-27.253
	Middle	2593.00	-27.755	-30.554	-52.196	-29.006	-31.420	-27.024
	High	2662.50	-30.899	-29.616	-50.691	-28.021	-31.624	-26.481

Test Result for Output Port 4

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2523.50	-28.261	-31.083	-51.255	-28.352	-31.429	-25.941
	Middle	2593.00	-31.268	-30.983	-48.867	-28.269	-31.544	-26.817
	High	2662.50	-30.347	-31.906	-51.722	-28.132	-27.717	-26.599
16QAM	Low	2523.50	-29.463	-30.915	-51.762	-27.431	-31.018	-26.202
	Middle	2593.00	-29.454	-29.497	-49.990	-28.299	-31.690	-26.238
	High	2662.50	-31.124	-30.932	-51.170	-27.745	-26.969	-26.506
64QAM	Low	2523.50	-28.886	-30.867	-51.412	-28.111	-31.232	-26.773
	Middle	2593.00	-29.303	-30.602	-50.923	-27.809	-31.509	-26.432
	High	2662.50	-28.204	-31.359	-51.313	-28.112	-28.407	-26.533
256QAM	Low	2523.50	-29.495	-30.618	-51.794	-28.991	-32.248	-27.344
	Middle	2593.00	-29.582	-30.813	-51.890	-28.036	-31.899	-27.184
	High	2662.50	-31.127	-30.694	-50.496	-28.599	-29.869	-26.756

Test Result for Output Port 5

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2523.50	-30.000	-30.776	-51.237	-27.852	-31.697	-26.558
	Middle	2593.00	-30.722	-30.553	-49.066	-28.387	-31.357	-26.610
	High	2662.50	-29.847	-31.462	-52.067	-27.784	-30.786	-26.369
16QAM	Low	2523.50	-29.896	-30.737	-51.513	-27.572	-31.716	-26.417
	Middle	2593.00	-31.060	-31.877	-50.020	-28.496	-31.597	-26.582
	High	2662.50	-27.729	-30.656	-51.095	-28.250	-28.965	-26.039
64QAM	Low	2523.50	-28.391	-31.610	-51.691	-28.262	-31.064	-26.259
	Middle	2593.00	-30.968	-30.904	-50.645	-28.318	-31.830	-26.614
	High	2662.50	-29.761	-30.272	-51.312	-28.330	-28.736	-26.446
256QAM	Low	2523.50	-28.824	-30.085	-51.934	-28.538	-31.970	-27.317
	Middle	2593.00	-28.609	-32.319	-51.853	-27.857	-31.958	-27.118
	High	2662.50	-30.228	-32.216	-51.047	-28.267	-29.601	-26.623

Test Result for Output Port 6

Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2523.50	-30.138	-31.344	-51.543	-28.289	-31.432	-26.337
	Middle	2593.00	-29.760	-31.237	-49.906	-28.297	-31.561	-26.237
	High	2662.50	-30.835	-32.605	-51.838	-28.214	-30.904	-26.327
16QAM	Low	2523.50	-30.261	-29.839	-51.862	-27.739	-31.541	-26.581
	Middle	2593.00	-28.291	-30.677	-50.471	-28.053	-31.668	-26.668
	High	2662.50	-30.223	-32.096	-51.473	-28.047	-30.046	-26.487
64QAM	Low	2523.50	-29.647	-32.991	-51.420	-28.078	-31.646	-26.323
	Middle	2593.00	-30.494	-31.155	-50.809	-27.870	-31.779	-26.473
	High	2662.50	-28.533	-30.822	-51.370	-28.259	-31.472	-26.302
256QAM	Low	2523.50	-30.227	-31.133	-51.777	-28.138	-31.775	-27.196
	Middle	2593.00	-28.588	-30.925	-49.299	-28.468	-31.651	-26.502
	High	2662.50	-29.404	-30.728	-51.836	-28.438	-28.009	-26.735

Test Result for Output Port 7

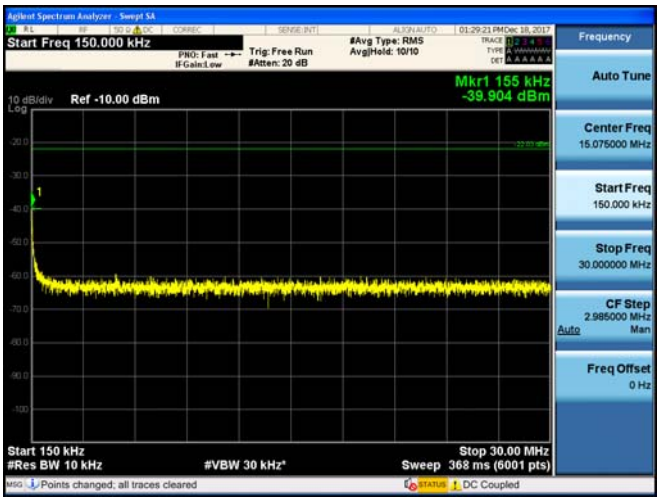
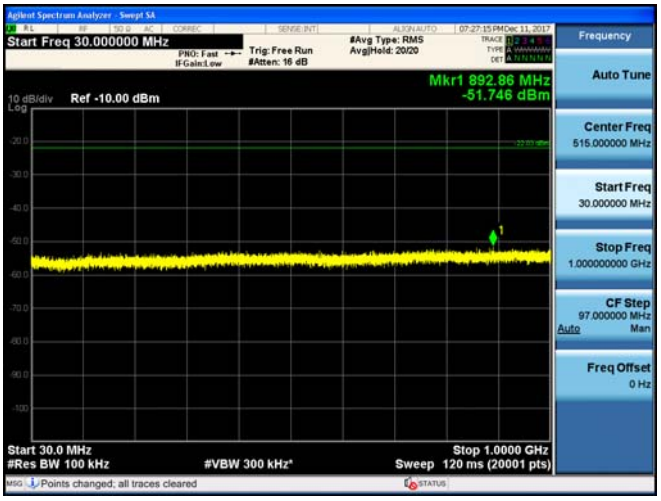
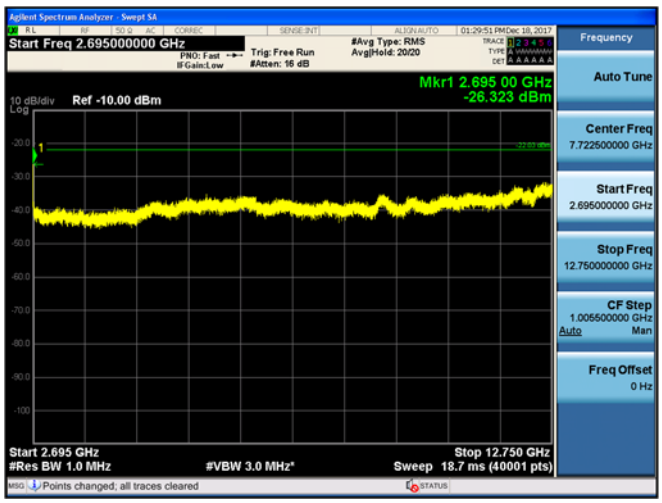
Mod.	Channel	Frequency (MHz)	Measured Level (dBm)					
			9 kHz ~ 150 kHz	150 kHz~ 30 MHz	30 MHz ~ 1 GHz	1 GHz ~ 2.491 GHz	2.695 GHz ~ 12.75 GHz	12.75 GHz ~ 26.5 GHz
QPSK	Low	2523.50	-29.574	-31.194	-51.793	-27.735	-31.105	-26.472
	Middle	2593.00	-30.167	-32.096	-49.387	-27.962	-31.681	-26.502
	High	2662.50	-30.742	-31.455	-51.558	-28.093	-27.835	-26.402
16QAM	Low	2523.50	-29.140	-31.436	-51.678	-28.157	-31.216	-26.349
	Middle	2593.00	-28.044	-31.817	-50.659	-28.093	-31.846	-26.599
	High	2662.50	-30.393	-30.909	-51.555	-28.507	-31.461	-26.309
64QAM	Low	2523.50	-30.862	-30.670	-51.408	-27.730	-31.433	-26.005
	Middle	2593.00	-28.963	-30.738	-50.191	-26.847	-31.518	-26.782
	High	2662.50	-29.011	-30.516	-52.058	-28.152	-25.363	-26.542
256QAM	Low	2523.50	-31.295	-29.997	-52.004	-27.770	-31.586	-27.361
	Middle	2593.00	-30.804	-29.679	-49.141	-28.353	-31.542	-26.897
	High	2662.50	-29.262	-30.758	-51.178	-28.163	-28.268	-26.798

Note:

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

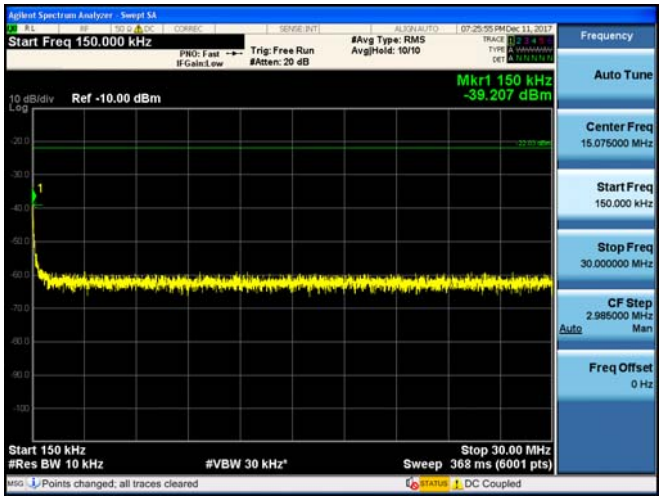
5 MHz / 1 Carrier (5 W)

Plot Data for Output Port 0_256QAM

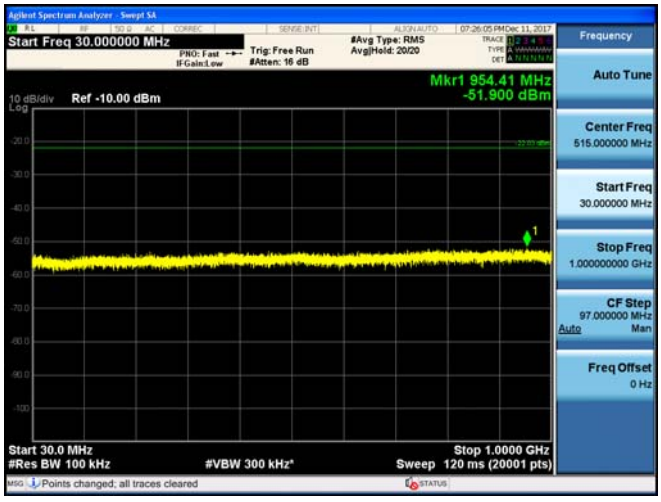
9 kHz ~ 150 kHz	Low channel	150 kHz ~ 30 MHz	High channel
			
30 MHz ~ 1 GHz	**Low channel**	**1 GHz ~ 2.491 GHz**	**Low channel**
			
2.695 GHz ~ 12.75 GHz	**High channel**	**12.75 GHz ~ 26.5 GHz**	**Middle channel**
			

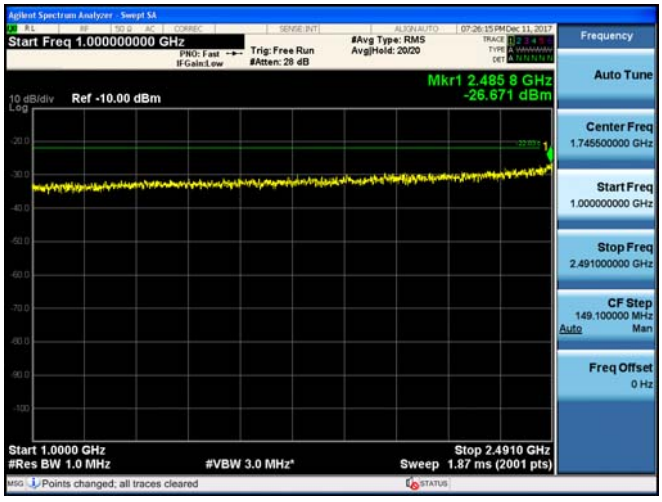
Plot Data for Output Port 1_256QAM

9 ㎑ ~ 150 ㎑	Middle channel	150 ㎑ ~ 30 ㎒	Low channel

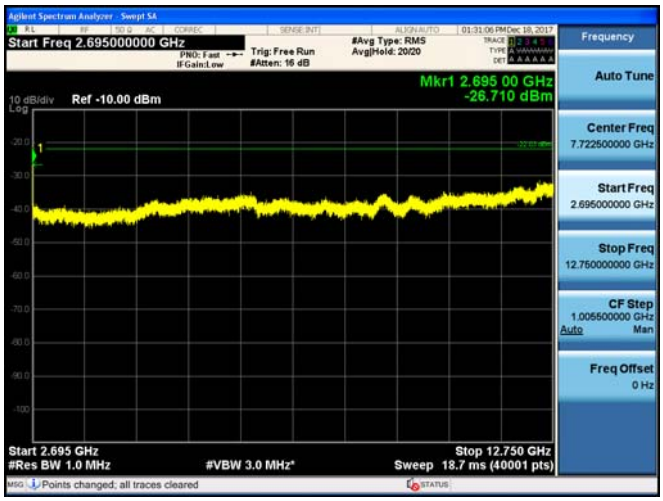


30 ㎒ ~ 1 ㎓	Low channel	1 ㎓ ~ 2.491 ㎓	Low channel

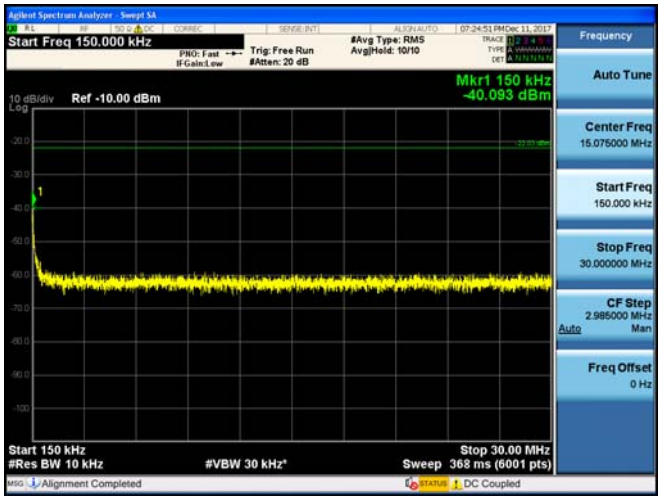
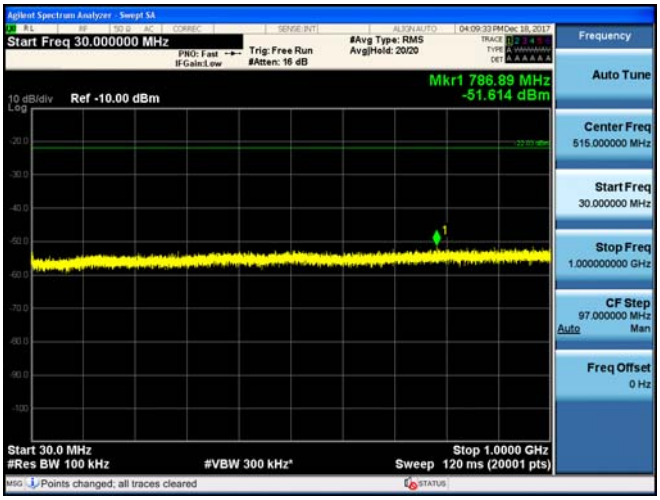
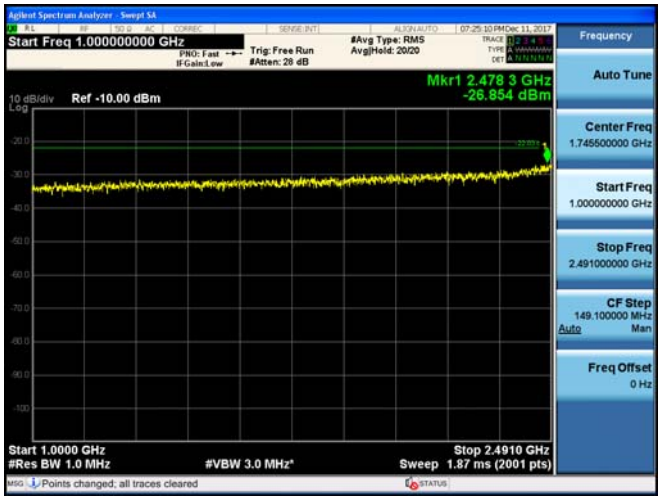




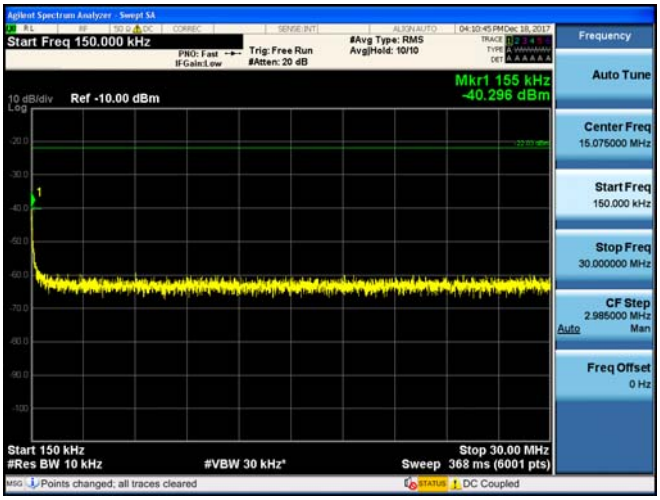
2.695 ㎓ ~ 12.75 ㎓	High channel	12.75 ㎓ ~ 26.5 ㎓	Middle channel

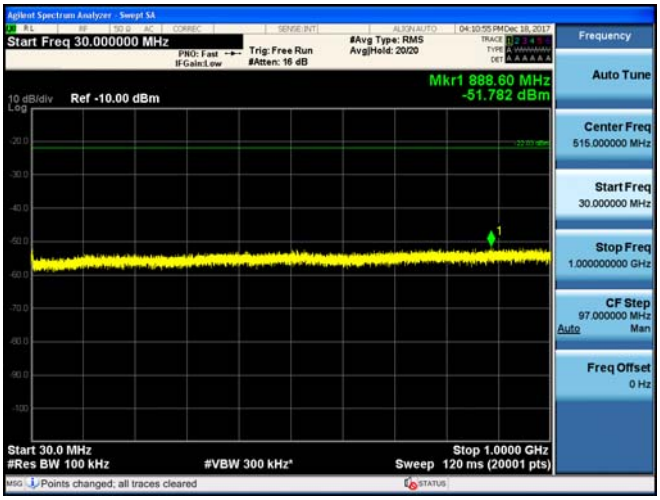
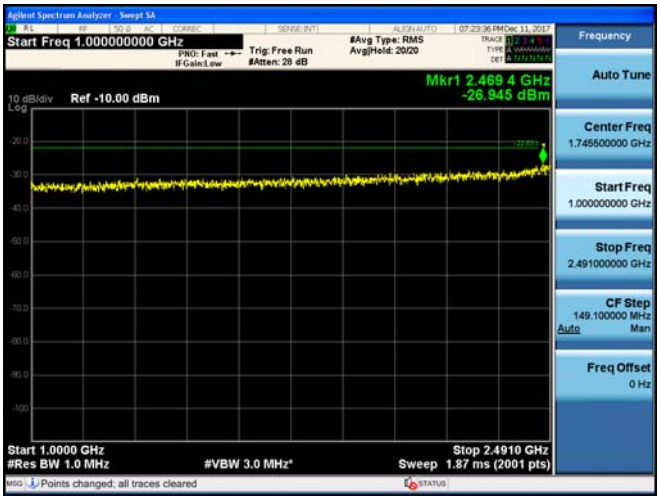


Plot Data for Output Port 2_256QAM

9 ㎑ ~ 150 ㎑	High channel	150 ㎑ ~ 30 ㎒	Low channel
			
30 ㎒ ~ 1 ㎓	**Middle channel**	**1 ㎓ ~ 2.491 ㎓**	**Low channel**
			
2.695 ㎓ ~ 12.75 ㎓	**High channel**	**12.75 ㎓ ~ 26.5 ㎓**	**Middle channel**

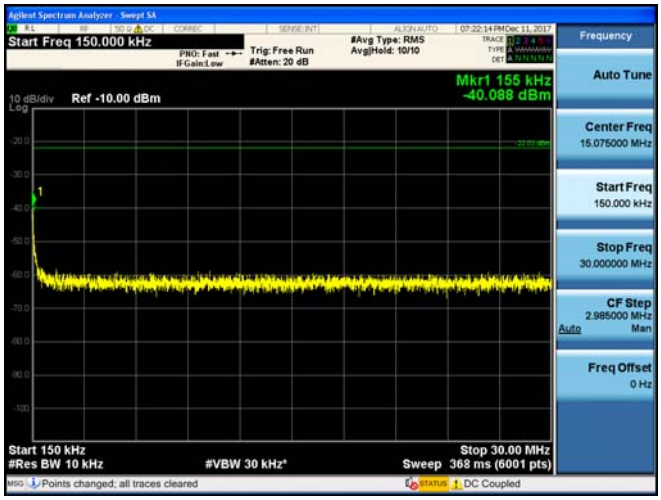
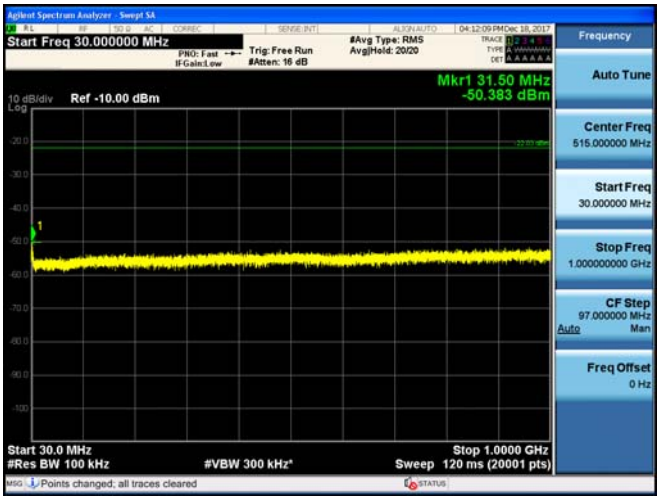
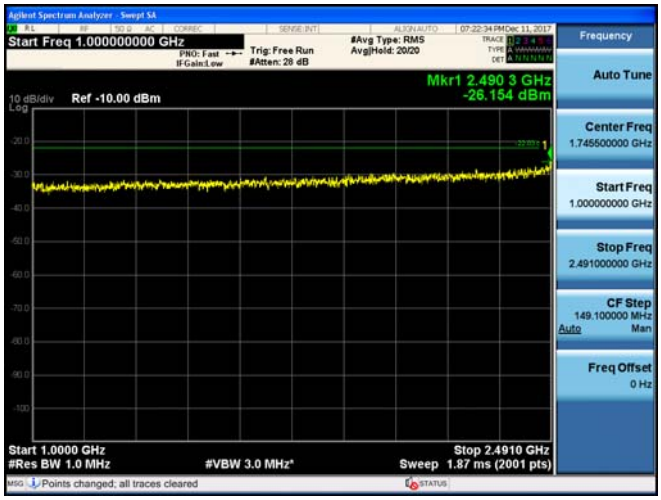
Plot Data for Output Port 3_256QAM

9 ㎑ ~ 150 ㎑	High channel	150 ㎑ ~ 30 ㎒	Middle channel
			

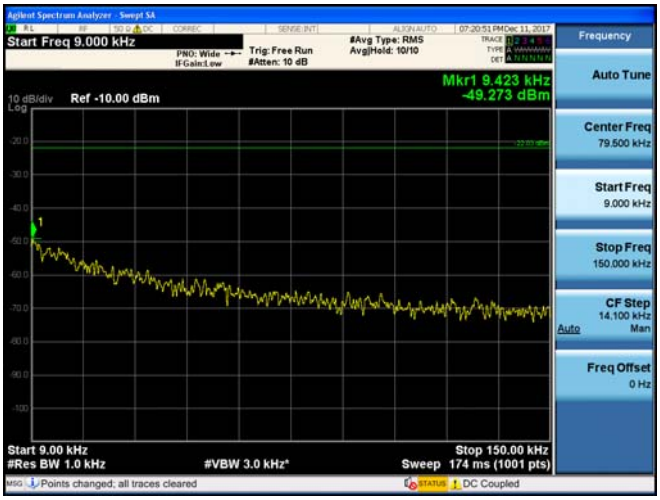
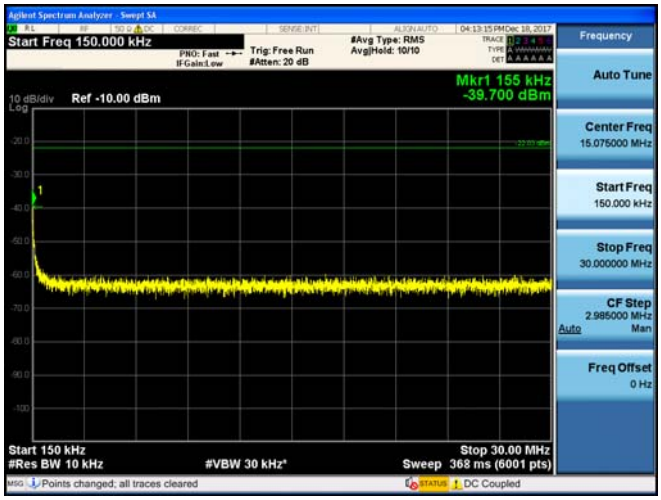
30 ㎒ ~ 1 ㎓	Middle channel	1 ㎓ ~ 2.491 ㎓	Low channel
			

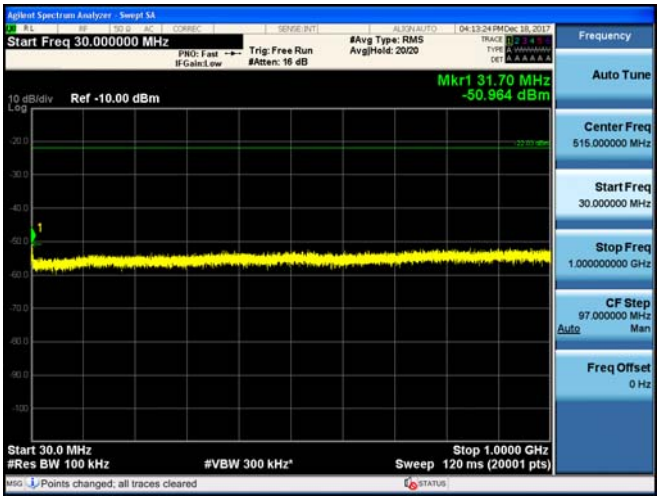
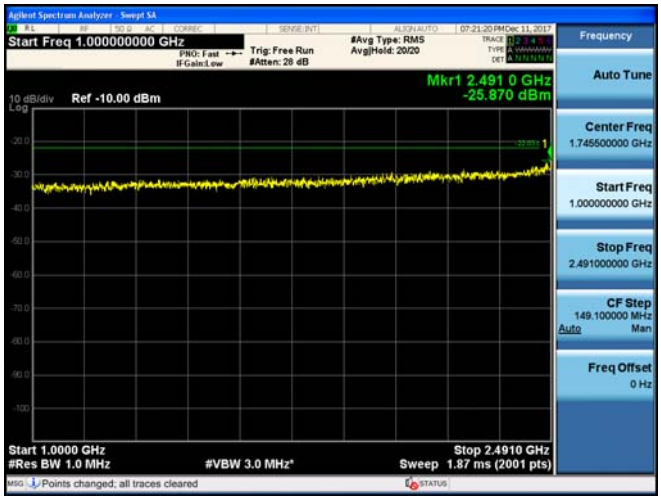
2.695 ㎓ ~ 12.75 ㎓	High channel	12.75 ㎓ ~ 26.5 ㎓	High channel

Plot Data for Output Port 4_256QAM

9 ㎑ ~ 150 ㎑	High channel	150 ㎑ ~ 30 ㎒	Low channel
			
30 ㎒ ~ 1 ㎓	**Middle channel**	**1 ㎓ ~ 2.491 ㎓**	**Low channel**
			
2.695 ㎓ ~ 12.75 ㎓	**High channel**	**12.75 ㎓ ~ 26.5 ㎓**	**High channel**

Plot Data for Output Port 5_256QAM

9 ㎑ ~ 150 ㎑	Low channel	150 ㎑ ~ 30 ㎒	Middle channel
			

30 ㎒ ~ 1 ㎓	Middle channel	1 ㎓ ~ 2.491 ㎓	Low channel
			

2.695 ㎓ ~ 12.75 ㎓	High channel	12.75 ㎓ ~ 26.5 ㎓	Middle channel