

# FCC REPORT

## Certification

**Applicant Name:**  
SAMSUNG Electronics Co., Ltd.**Address:**  
129, Samsung-ro, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, 16677, Rep. of Korea**Date of Issue:**  
March 28, 2019**Location of test lab:**  
HCT CO., LTD.,  
74, Seoicheon-ro 578beon-gil, Majang-myeon,  
Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA**Report No.:** HCT-RF-1902-FC052-R2**FCC ID:** A3LRT4401-48A**APPLICANT:** SAMSUNG Electronics Co.,Ltd.**Model:** RT4401-48A**EUT Type:** RRU(RT4401)**Frequency Ranges:** 3 550 MHz ~ 3 700 MHz**Output Power:** 20 W (5 W x 4 port)**Date of Test:** December, 14 2018 ~ February 15, 2019**FCC Rule Part(s):** CFR 47 Part 2, Part 96

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.



**Report prepared by : Kwang Il Yoon**  
**Engineer of telecommunication testing center**



**Approved by : Jong Seok Lee**  
**Manager of telecommunication testing center**

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## Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-RF-1902-FC052	February 22, 2019	- First Approval Report
HCT-RF-1902-FC052-R1	March 22, 2019	- I removed the 244 page typo. - Unwanted Conducted Emissions was added to the test and added to Note 555.
HCT-RF-1902-FC052-R2	March 28, 2019	- The names of the antennas specified throughout are changed. - Changed the Rule Part of Unwanted conducted emissions. - We have added Note to Unwanted conducted emissions. - We added the RBW Correction Factor on page 12.

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# 1. GENERAL INFORMATION

## 1.1. APPLICANT INFORMATION

Company Name	Samsung Electronics Co., Ltd.
Company Address	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

## 1.2. PRODUCT INFORMATION

EUT Type	RRU(RT4401)																																				
Power Supply	-48 VDC, 100-240V~50/60 Hz 5A																																				
Emission Designator	<p>Maximum Power</p> <table border="1"> <thead> <tr> <th colspan="2">Emission Designator</th> </tr> </thead> <tbody> <tr> <td>QPSK (G7D)</td> <td>16QAM/64QAM/256QAM (W7D)</td> </tr> <tr> <td>9M00G7D</td> <td>9M01W7D</td> </tr> </tbody> </table> <p>*Note : 10 MHz BW</p> <table border="1"> <thead> <tr> <th colspan="2">Emission Designator</th> </tr> </thead> <tbody> <tr> <td>QPSK (G7D)</td> <td>16QAM/64QAM/256QAM (W7D)</td> </tr> <tr> <td>17M9G7D</td> <td>18M0W7D</td> </tr> </tbody> </table> <p>*Note : 20 MHz BW</p> <table border="1"> <thead> <tr> <th colspan="2">Emission Designator</th> </tr> </thead> <tbody> <tr> <td>QPSK (G7D)</td> <td>16QAM/64QAM/256QAM (W7D)</td> </tr> <tr> <td>18M9G7D</td> <td>19M0W7D</td> </tr> </tbody> </table> <p>*Note : 10 + 10 MHz BW</p> <table border="1"> <thead> <tr> <th colspan="2">Emission Designator</th> </tr> </thead> <tbody> <tr> <td>QPSK (G7D)</td> <td>16QAM/64QAM/256QAM (W7D)</td> </tr> <tr> <td>28M4G7D</td> <td>28M5W7D</td> </tr> </tbody> </table> <p>*Note : 20 + 10 MHz BW</p> <table border="1"> <thead> <tr> <th colspan="2">Emission Designator</th> </tr> </thead> <tbody> <tr> <td>QPSK (G7D)</td> <td>16QAM/64QAM/256QAM (W7D)</td> </tr> <tr> <td>37M8G7D</td> <td>37M9W7D</td> </tr> </tbody> </table> <p>*Note : 20 + 20 MHz BW</p> <table border="1"> <thead> <tr> <th colspan="2">Emission Designator</th> </tr> </thead> <tbody> <tr> <td>QPSK (G7D)</td> <td>16QAM/64QAM/256QAM (W7D)</td> </tr> <tr> <td>28M9G7D</td> <td>28M9W7D</td> </tr> </tbody> </table> <p>*Note : 10 + 10 + 10 MHz BW</p>	Emission Designator		QPSK (G7D)	16QAM/64QAM/256QAM (W7D)	9M00G7D	9M01W7D	Emission Designator		QPSK (G7D)	16QAM/64QAM/256QAM (W7D)	17M9G7D	18M0W7D	Emission Designator		QPSK (G7D)	16QAM/64QAM/256QAM (W7D)	18M9G7D	19M0W7D	Emission Designator		QPSK (G7D)	16QAM/64QAM/256QAM (W7D)	28M4G7D	28M5W7D	Emission Designator		QPSK (G7D)	16QAM/64QAM/256QAM (W7D)	37M8G7D	37M9W7D	Emission Designator		QPSK (G7D)	16QAM/64QAM/256QAM (W7D)	28M9G7D	28M9W7D
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QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
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\*Note : 20 + 10 + 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
48M3G7D	48M5W7D

\*Note : 20 + 20 + 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
57M7G7D	57M8W7D

\*Note : 20 + 20 + 20 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
38M8G7D	38M0W7D

\*Note : 10 + 10 + 10 + 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
48M3G7D	48M3W7D

\*Note : 20 + 10 + 10 + 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
58M2G7D	58M2W7D

\*Note : 20 + 20 + 10 + 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
68M3G7D	68M3W7D

\*Note : 20 + 20 + 20 + 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
77M6G7D	77M7W7D

\*Note : 20 + 20 + 20 + 20 MHz BW

**Minimum Power**

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
9M01G7D	9M01W7D

\*Note : 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
17M9G7D	17M9W7D

\*Note : 20 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
18M9G7D	18M9W7D

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QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
28M4G7D	28M4W7D

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\*Note : 20 + 10 + 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
48M3G7D	48M4W7D

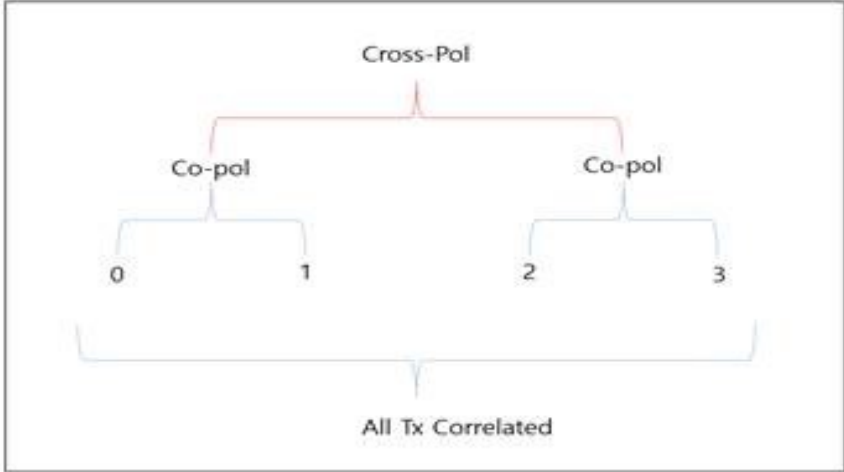
\*Note : 20 + 20 + 10 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
57M7G7D	54M8W7D

\*Note : 20 + 20 + 20 MHz BW

Emission Designator	
QPSK (G7D)	16QAM/64QAM/256QAM (W7D)
38M8G7D	38M8W7D

\*Note : 10 + 10 + 10 + 10 MHz BW

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Frequency Range	3 550 MHz ~ 3 700 MHz																								
Tx Output Power	20 W (5 W x 4 port)																								
Channel Bandwidths	10 MHz, 20 MHz																								
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM																								
Antenna Specification	<p>Clip-on Antenna Max Gain : 13 dBi            External Antenna Max Gain : 8 dBi            4 Tx MIMO : All Correlated, 2 Port Co-Polarized (Cross-pol)</p> 																								

### 1.3. TEST INFORMATION

FCC Rule Parts	CFR 47 Part 2, Part 96
Measurement standards	ANSI C63.26-2015, KDB940660 D01 v01, KDB662911 D01 v02r01
Place of Test	HCT CO., LTD. 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA



## **2. FACILITIES AND ACCREDITATIONS**

### **2.1. FACILITIES**

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA. The site is constructed in conformance with the requirements of ANSI C63.4 (Version: 2014) and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated July 07, 2015 (Registration Number: 90661).

### **2.2. EQUIPMENT**

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

### 3. TEST SPECIFICATIONS

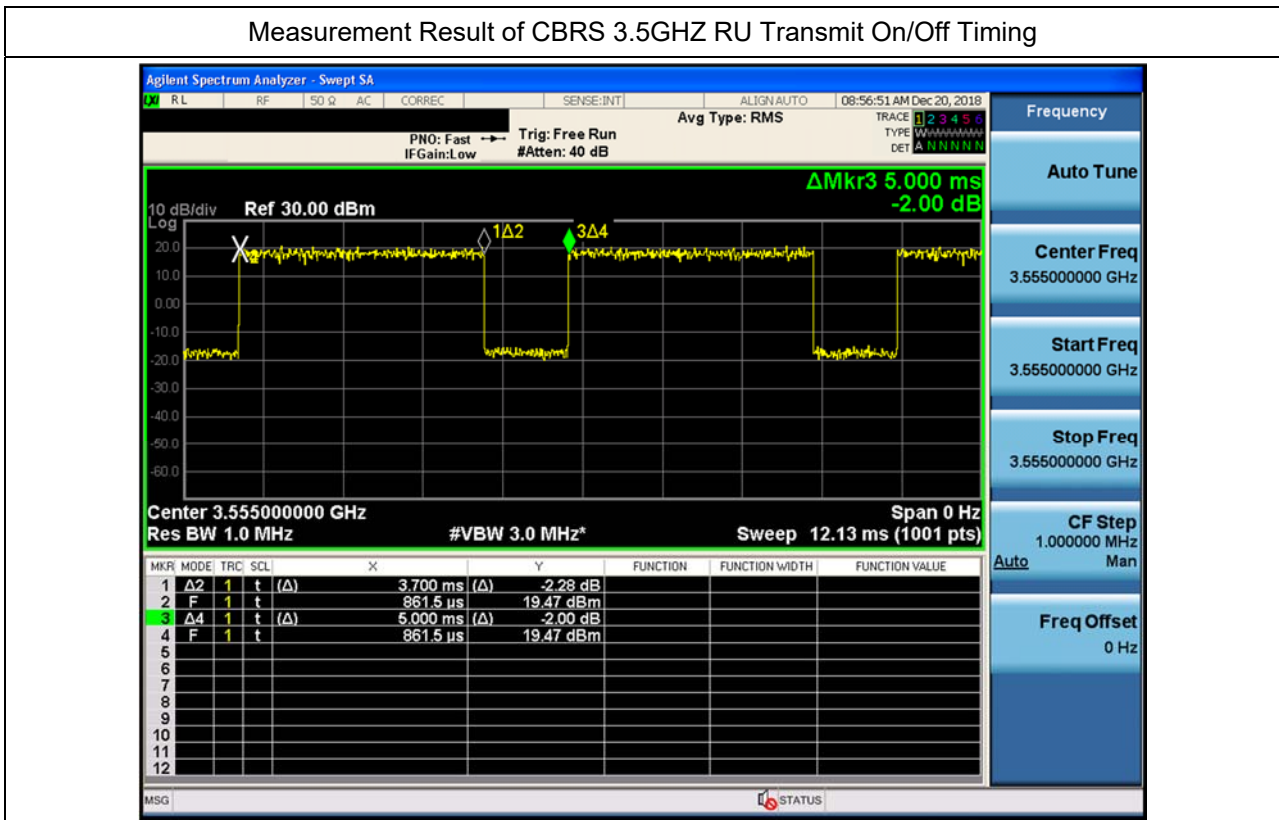
#### 3.1. STANDARDS

The following tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 2, Part 96

Description	Reference	Results
RF Output Power	§2.1046, §96.41 (b)	Compliant
Peak to Average Ration	§2.1046, §96.41 (b)	Compliant
Occupied Bandwidth	§2.1049	Compliant
Maximum Power Spectral Density	§96.41 (b)	Compliant
Unwanted Conducted Emissions	§96.41 (e) (2)	Compliant
Radiated Emissions	§96.41(e) (2)	Compliant
Frequency Stability	§90.213	Compliant

### 3.2. MODE OF OPERATION DURING THE TEST

- The EUT was operated in a manner representative of the typical usage of the equipment.
- During all testing, system components were manipulated within the confines of typical usage to maximize each emission.
- This EUT is supported power supply both of AC and DC. Test results are only attached worst cases.
- All LTE modulation types (QPSK, 16QAM, 64QAM, 256QAM) supported by the EUT have been tested.
- Unwanted conducted emissions were performed on one port with a maximum output power level.
- The dummy loads were connected to the RF output ports for radiated spurious emission testing.
- Because of the EUT using LTE-TDD technology, it cannot be configured to transmit continuously and measurement instrument cannot be configured to measure only during active transmissions. So we perform the measurement using duty cycle method.



- The EUT duty cycle is calculated according to ANSI C63.26 - 5.2.4.3.4.

$$\text{Duty Cycle} = \text{On-time} / \text{Transmitter period} = 3.7 / 5 = 0.74$$

$$\text{Duty Correction} = 10 \log (1/\text{duty cycle}) = 10 \log (1/0.74) = 1.31 \text{ dB}$$

This duty correction factor is applied to output power measurement and unwanted conducted emissions.

- The tests results in plots are already including the actual value of loss for the attenuator and cable combination. Please check correction factors below table.
- The factor table contains additional 1.2 dB correction for test jig provide by applicant.

**Correction Factor for Measurement**

Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
10	18.97	2510	21.21	7010	22.84	23010	-26.53
110	19.45	3010	21.45	8010	23.11	24010	-26.67
210	19.64	3410	21.60	9010	23.37	25010	-26.67
310	19.79	3510	21.66	10010	23.63	26010	-26.82
410	19.91	3610	21.67	11010	23.92	27010	-26.84
510	20.00	3710	21.71	12010	24.18	28010	-26.94
610	20.10	3810	21.76	13010	24.48	29010	-26.97
710	20.18	3910	21.81	14010	24.66	30010	-27.20
810	20.26	4010	21.82	15010	24.78	31010	-27.72
910	20.34	4510	22.00	16010	24.98	32010	-27.69
1010	20.39	4710	22.09	17010	25.19	33010	-27.79
1210	20.54	4910	22.17	18010	25.44	34010	-27.73
1410	20.64	5210	22.27	19010	25.70	35010	-28.01
1610	20.77	5510	22.37	20010	25.83	36010	-28.20
1810	20.87	5810	22.49	21010	25.97	37010	-28.20
2010	20.99	6010	22.55	22010	26.18	38010	-28.56

**Bandedge RBW Correction Factor for 1 MHz outside.**

RBW narrower than reference bandwidth is used. So following correction factor is applied.

- $10 \log [(reference\ bandwidth)/(resolution\ bandwidth)]$
- $10 \log (100\ kHz / 1\ MHz) = 10\ dB$

### 3.3. MAXIMUM MEASUREMENT UNCERTAINTY

The value of the measurement uncertainty for the measurement of each parameter.

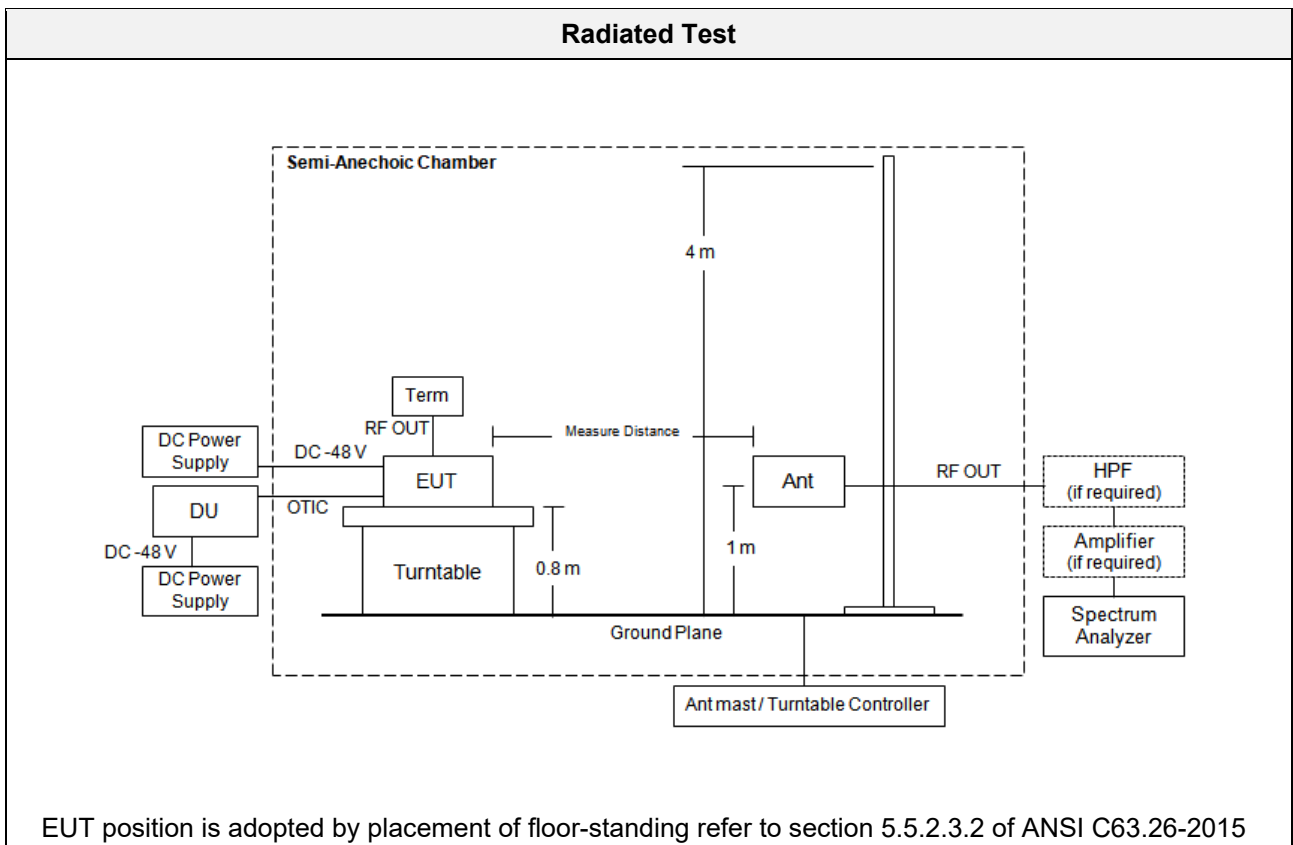
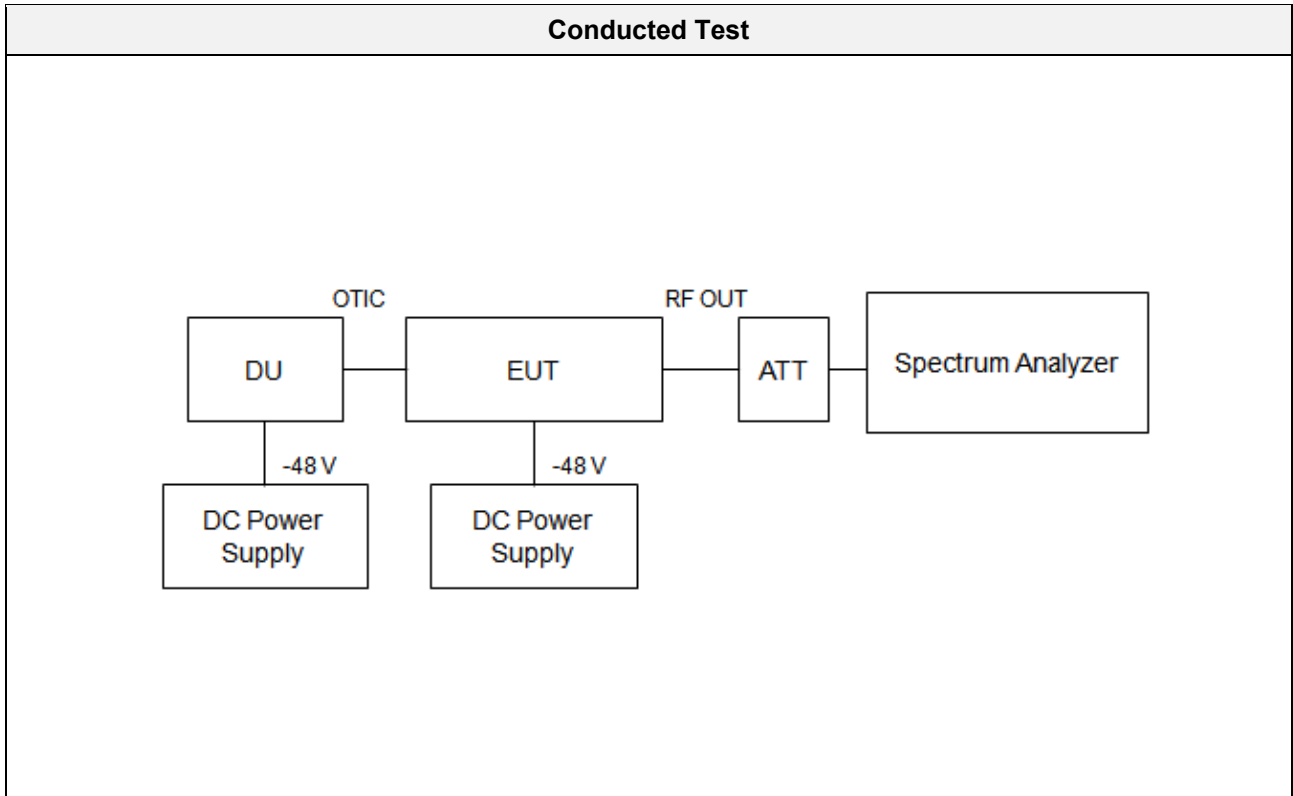
Coverage factor  $k = 2$ , Confidence levels of 95 %

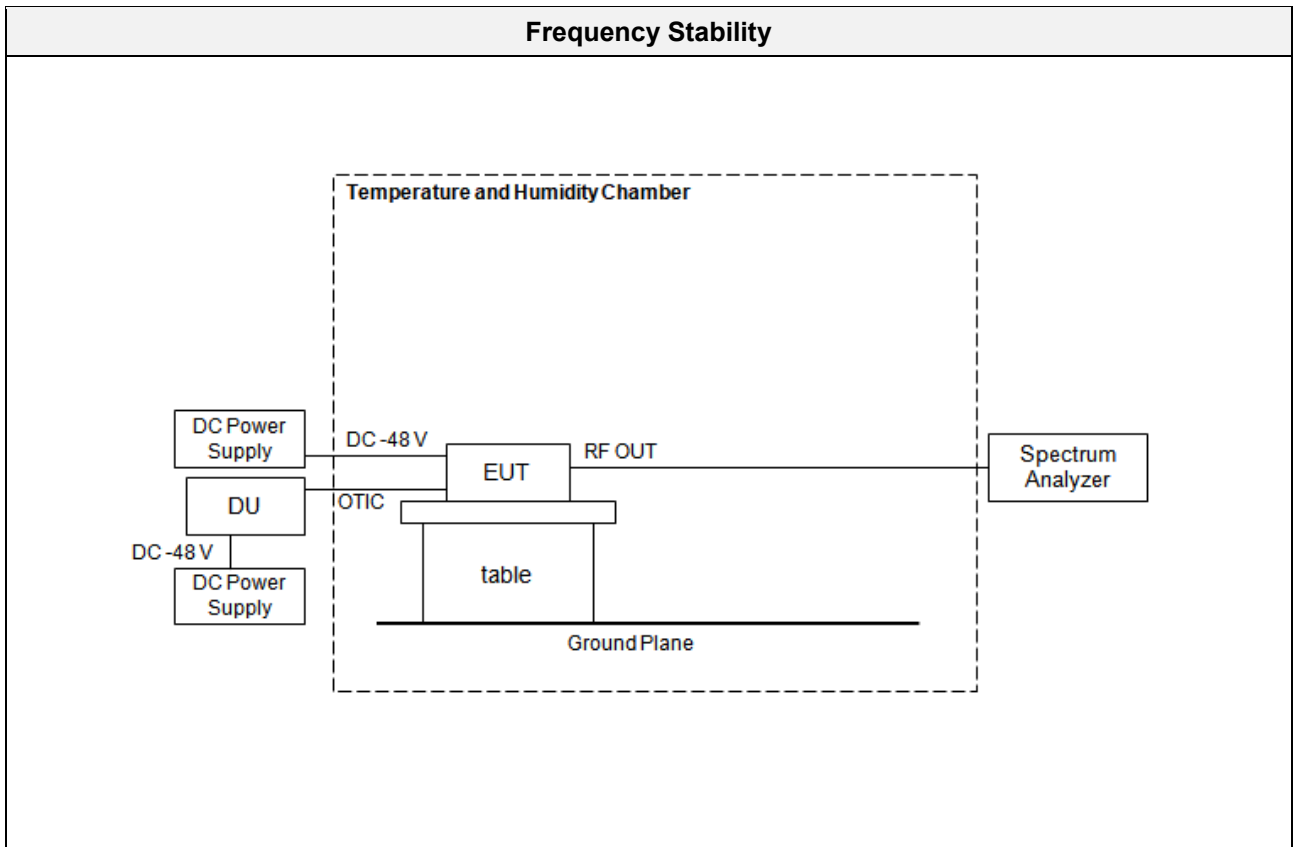
Description	Condition	Uncertainty
RF Output Power	-	$\pm 0.72$ dB
Occupied Bandwidth	OBW $\leq$ 20 MHz	$\pm 52$ kHz
Maximum Power Spectral Density	-	$\pm 1.18$ dB
Unwanted Conducted Emissions	-	$\pm 1.08$ dB
Radiated Emissions	$f \leq 1$ GHz	$\pm 4.80$ dB
	$f > 1$ GHz	$\pm 6.07$ dB
Frequency Stability	-	$\pm 1.22 \times 10^{-6}$

### 3.4. STANDARDS ENVIRONMENTAL TEST CONDITIONS

Temperature :	+15 °C to +35 °C
Relative humidity:	30 % to 60 %
Air pressure	860 mbar to 1 060 mbar

### 3.5. TEST DIAGRAMS





#### 4. TEST EQUIPMENTS

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Agilent	N9020A / Spectrum Analyzer	04/24/2018	Annual	US46220219
Agilent	N9020A / Spectrum Analyzer	07/06/2018	Annual	MY51110020
Agilent	N9030A / Spectrum Analyzer	07/31/2018	Annual	MY51110068
KEYSIGHT	N9030B / Spectrum Analyzer	08/29/2018	Annual	MY55480167
MCLI	FAS-23-20 / Attenuator	01/30/2019	Annual	103756
AGILENT	8498A / Coaxial Attenuator	09/03/2018	Annual	51162
AGILENT	6674A / DC Power Supply	08/02/2018	Annual	3501A00901
KIKUSUI	PWR800L / DC Power Supply	02/27/2018	Annual	RE001149
Rohde&Schwarz	SMB100A / RF Signal Generator	07/19/2018	Annual	177633
KEITHLEY	S46 / Switch System	N/A	N/A	1088024
KEITHLEY	S46 / Switch System	N/A	N/A	1088025
NANGYEUL CO., LTD.	NY-THR18750 / Temperature and Humidity Chamber	10/30/2018	Annual	NY-2009012201A
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/31/2018	Biennial	9168-0895
Schwarzbeck	BBHA 9120D / Horn Antenna	06/30/2017	Biennial	9120D-1300
Rohde & Schwarz	FSP / Spectrum Analyzer	09/19/2018	Annual	836650/016
Wainwright Instruments	WHKX10-900-1000-15000-40SS	07/20/2018	Annual	5
CERNEX	CBLU1183540 / Power Amplifier	07/10/2018	Annual	22964



## 5. RF OUTPUT POWER

### FCC Rules

#### Test Requirements:

#### § 2.1046 Measurements required: RF power output.

(a) For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in §2.1033(c)(8). The electrical characteristics of the radio frequency load attached to the output terminals when this test is made shall be stated.

(b) For single sideband, independent sideband, and single channel, controlled carrier radiotelephone transmitters the procedure specified in paragraph (a) of this section shall be employed and, in addition, the transmitter shall be modulated during the test as specified and applicable in § 2.1046 (b) (1-5). In all tests, the input level of the modulating signal shall be such as to develop rated peak envelope power or carrier power, as appropriate, for the transmitter.

(c) For measurements conducted pursuant to paragraphs (a) and (b) of this section, all calculations and methods used by the applicant for determining carrier power or peak envelope power, as appropriate, on the basis of measured power in the radio frequency load attached to the transmitter output terminals shall be shown. Under the test conditions specified, no components of the emission spectrum shall exceed the limits specified in the applicable rule parts as necessary for meeting occupied bandwidth or emission limitations.

#### Test Procedures:

The measurement is performed in accordance with Section 5.2.4.3.2 of ANSI C63.26.

When the fundamental condition for average power measurements cannot be realized (i.e., the EUT cannot be configured to transmit at full-power on a continuous basis (i.e., duty cycle < 98%) and the instrumentation cannot be configured to measure only during active full-power transmissions), then the following procedure can be used if the EUT duty cycle is constant (i.e., duty cycle variations are less than or equal to  $\pm 2\%$ ):

- a) Set span to  $2 \times$  to  $3 \times$  the OBW.
- b) Set RBW  $\geq$  OBW.
- c) Set VBW  $\geq 3 \times$  RBW.
- d) Set number of measurement points in sweep  $\geq 2 \times$  span / RBW.
- e) Sweep time:
  - 1) Set = auto-couple, or
  - 2) Set  $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission period})]$  for single sweep (automation-compatible) measurement. The transmission period is the (on + off) time.
- f) Detector = power averaging (rms).

- g) Set sweep trigger to “free run.”
- h) Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple.  
(To accurately determine the average power over the on and off period of the transmitter, it can be necessary to increase the number of traces to be averaged above 100 or, if using a manually configured sweep time, increase the sweep time.)
- i) Use the peak marker function to determine the maximum amplitude level.
- j) Add  $[10 \log (1/\text{duty cycle})]$  to the measured maximum power level to compute the average power during continuous transmission. For example, add  $[10 \log (1/0.25)] = 6 \text{ dB}$  if the duty cycle is a constant 25%.

**Limit**

Device	Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/1 MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD	47	37

**\* Because the results corrected by duty cycle are recorded, they do not match the test plot.**

**Max Output Power Test Results for External Ant :**

10 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3555.00	28.94	0.784
		Middle	3625.00	29.54	0.899
		High	3695.00	29.27	0.846
	16QAM	Low	3555.00	29.28	0.847
		Middle	3625.00	29.32	0.855
		High	3695.00	29.14	0.819
	64QAM	Low	3555.00	28.93	0.782
		Middle	3625.00	29.73	0.940
		High	3695.00	29.63	0.918
	256QAM	Low	3555.00	29.22	0.836
		Middle	3625.00	29.32	0.856
		High	3695.00	29.27	0.844
Port 1	QPSK	Low	3555.00	29.15	0.823
		Middle	3625.00	29.40	0.870
		High	3695.00	29.79	0.952
	16QAM	Low	3555.00	29.07	0.807
		Middle	3625.00	29.18	0.828
		High	3695.00	29.37	0.864
	64QAM	Low	3555.00	29.19	0.830
		Middle	3625.00	28.73	0.747
		High	3695.00	29.03	0.799
	256QAM	Low	3555.00	29.14	0.821
		Middle	3625.00	29.55	0.902
		High	3695.00	29.60	0.911
Port 2	QPSK	Low	3555.00	29.34	0.859
		Middle	3625.00	29.01	0.797
		High	3695.00	29.11	0.815
	16QAM	Low	3555.00	29.09	0.810
		Middle	3625.00	28.96	0.788
		High	3695.00	29.23	0.838

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
	64QAM	Low	3555.00	29.24	0.840
		Middle	3625.00	29.38	0.868
		High	3695.00	29.27	0.846
	256QAM	Low	3555.00	29.32	0.855
		Middle	3625.00	29.27	0.844
		High	3695.00	29.18	0.828
Port 3	QPSK	Low	3555.00	28.62	0.728
		Middle	3625.00	29.02	0.797
		High	3695.00	29.32	0.855
	16QAM	Low	3555.00	28.49	0.706
		Middle	3625.00	28.90	0.776
		High	3695.00	29.13	0.819
	64QAM	Low	3555.00	28.79	0.756
		Middle	3625.00	28.88	0.773
		High	3695.00	29.15	0.822
	256QAM	Low	3555.00	28.72	0.745
		Middle	3625.00	29.16	0.823
		High	3695.00	29.28	0.846

**Sum data of all port (10 MHz Bandwidth / 1 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3555.00	46.05
	Middle	3625.00	46.28
	High	3695.00	46.41
16QAM	Low	3555.00	46.02
	Middle	3625.00	46.12
	High	3695.00	46.25
64QAM	Low	3555.00	46.07
	Middle	3625.00	46.23
	High	3695.00	46.31
256QAM	Low	3555.00	46.14
	Middle	3625.00	46.36
	High	3695.00	46.36

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3560.00	28.66	0.735
		Middle	3625.00	28.80	0.759
		High	3690.00	28.90	0.777
	16QAM	Low	3560.00	28.30	0.676
		Middle	3625.00	28.76	0.751
		High	3690.00	28.96	0.788
	64QAM	Low	3560.00	28.79	0.757
		Middle	3625.00	28.95	0.784
		High	3690.00	29.20	0.831
	256QAM	Low	3560.00	28.64	0.731
		Middle	3625.00	28.81	0.760
		High	3690.00	28.86	0.770
Port 1	QPSK	Low	3560.00	28.57	0.720
		Middle	3625.00	28.96	0.787
		High	3690.00	28.93	0.782
	16QAM	Low	3560.00	28.58	0.721
		Middle	3625.00	28.84	0.766
		High	3690.00	28.92	0.779
	64QAM	Low	3560.00	28.71	0.742
		Middle	3625.00	29.06	0.806
		High	3690.00	29.22	0.836
	256QAM	Low	3560.00	28.75	0.750
		Middle	3625.00	28.78	0.754
		High	3690.00	29.08	0.810
Port 2	QPSK	Low	3560.00	28.82	0.762
		Middle	3625.00	29.04	0.802
		High	3690.00	28.89	0.775
	16QAM	Low	3560.00	28.58	0.720
		Middle	3625.00	28.96	0.787
		High	3690.00	28.94	0.783
	64QAM	Low	3560.00	28.90	0.777

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	29.07	0.807
		High	3690.00	29.33	0.856
	256QAM	Low	3560.00	28.80	0.758
		Middle	3625.00	29.10	0.813
		High	3690.00	29.01	0.795
	Port 3	QPSK	Low	3560.00	28.92
Middle			3625.00	29.00	0.794
High			3690.00	28.95	0.786
16QAM		Low	3560.00	28.48	0.704
		Middle	3625.00	28.50	0.707
		High	3690.00	29.03	0.800
64QAM		Low	3560.00	28.91	0.778
		Middle	3625.00	29.12	0.817
		High	3690.00	29.18	0.828
256QAM		Low	3560.00	28.73	0.746
		Middle	3625.00	28.79	0.757
		High	3690.00	29.25	0.841

**Sum data of all port (20 MHz Bandwidth / 1 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3560.00	45.78
	Middle	3625.00	45.98
	High	3690.00	45.95
16QAM	Low	3560.00	45.52
	Middle	3625.00	45.80
	High	3690.00	45.99
64QAM	Low	3560.00	45.86
	Middle	3625.00	46.08
	High	3690.00	46.26
256QAM	Low	3560.00	45.76
	Middle	3625.00	45.90
	High	3690.00	46.08

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results



10 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3560.00	28.65	0.733
		Middle	3625.00	28.91	0.777
		High	3690.00	28.97	0.789
	16QAM	Low	3560.00	28.61	0.725
		Middle	3625.00	28.73	0.747
		High	3690.00	28.88	0.772
	64QAM	Low	3560.00	28.88	0.773
		Middle	3625.00	29.12	0.816
		High	3690.00	29.11	0.815
	256QAM	Low	3560.00	28.78	0.755
		Middle	3625.00	28.90	0.777
		High	3690.00	28.98	0.791
Port 1	QPSK	Low	3560.00	28.64	0.731
		Middle	3625.00	28.77	0.753
		High	3690.00	29.14	0.820
	16QAM	Low	3560.00	28.44	0.698
		Middle	3625.00	28.77	0.754
		High	3690.00	28.88	0.772
	64QAM	Low	3560.00	29.09	0.811
		Middle	3625.00	29.01	0.797
		High	3690.00	29.15	0.822
	256QAM	Low	3560.00	28.91	0.779
		Middle	3625.00	28.81	0.761
		High	3690.00	29.03	0.799
Port 2	QPSK	Low	3560.00	28.68	0.738
		Middle	3625.00	28.92	0.781
		High	3690.00	29.18	0.827
	16QAM	Low	3560.00	28.50	0.708
		Middle	3625.00	29.01	0.796
		High	3690.00	28.92	0.780
	64QAM	Low	3560.00	28.83	0.764

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	29.06	0.804
		High	3690.00	29.06	0.805
	256QAM	Low	3560.00	28.69	0.739
		Middle	3625.00	29.09	0.810
		High	3690.00	29.26	0.844
	Port 3	QPSK	Low	3560.00	28.50
Middle			3625.00	29.09	0.811
High			3690.00	29.15	0.821
16QAM		Low	3560.00	28.50	0.707
		Middle	3625.00	28.79	0.758
		High	3690.00	28.86	0.769
64QAM		Low	3560.00	28.62	0.728
		Middle	3625.00	28.86	0.768
		High	3690.00	29.33	0.858
256QAM		Low	3560.00	28.45	0.700
		Middle	3625.00	28.82	0.761
		High	3690.00	29.18	0.828

**Sum data of all port (10 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3560.00	45.65
	Middle	3625.00	45.95
	High	3690.00	46.14
16QAM	Low	3560.00	45.54
	Middle	3625.00	45.86
	High	3690.00	45.91
64QAM	Low	3560.00	45.89
	Middle	3625.00	46.04
	High	3690.00	46.19
256QAM	Low	3560.00	45.74
	Middle	3625.00	45.94
	High	3690.00	43.14

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3565.00	28.89	0.775
		Middle	3625.00	29.11	0.815
		High	3685.00	29.02	0.797
	16QAM	Low	3565.00	28.54	0.714
		Middle	3625.00	28.98	0.791
		High	3685.00	29.04	0.801
	64QAM	Low	3565.00	28.80	0.759
		Middle	3625.00	29.00	0.793
		High	3685.00	29.31	0.854
	256QAM	Low	3565.00	28.83	0.764
		Middle	3625.00	29.03	0.801
		High	3685.00	29.23	0.837
Port 1	QPSK	Low	3565.00	28.71	0.744
		Middle	3625.00	28.76	0.752
		High	3685.00	29.01	0.796
	16QAM	Low	3565.00	28.59	0.723
		Middle	3625.00	28.68	0.738
		High	3685.00	28.89	0.774
	64QAM	Low	3565.00	28.90	0.775
		Middle	3625.00	29.01	0.797
		High	3685.00	29.22	0.835
	256QAM	Low	3565.00	28.78	0.756
		Middle	3625.00	28.73	0.746
		High	3685.00	28.82	0.762
Port 2	QPSK	Low	3565.00	28.71	0.743
		Middle	3625.00	28.87	0.771
		High	3685.00	29.13	0.819
	16QAM	Low	3565.00	28.66	0.734
		Middle	3625.00	28.82	0.762
		High	3685.00	28.78	0.755
	64QAM	Low	3565.00	28.74	0.749

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	29.11	0.814
		High	3685.00	29.13	0.819
	256QAM	Low	3565.00	28.94	0.783
		Middle	3625.00	28.89	0.774
		High	3685.00	29.10	0.812
	Port 3	QPSK	Low	3565.00	28.69
Middle			3625.00	28.96	0.787
High			3685.00	29.23	0.837
16QAM		Low	3565.00	28.66	0.734
		Middle	3625.00	28.78	0.755
		High	3685.00	29.08	0.809
64QAM		Low	3565.00	28.74	0.748
		Middle	3625.00	29.12	0.816
		High	3685.00	29.39	0.868
256QAM		Low	3565.00	28.88	0.772
		Middle	3625.00	28.76	0.752
		High	3685.00	29.26	0.843

**Sum data of all port (20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3565.00	45.78
	Middle	3625.00	45.96
	High	3685.00	46.13
16QAM	Low	3565.00	45.64
	Middle	3625.00	45.85
	High	3685.00	45.98
64QAM	Low	3565.00	45.83
	Middle	3625.00	46.09
	High	3685.00	46.29
256QAM	Low	3565.00	45.89
	Middle	3625.00	45.89
	High	3685.00	46.13

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3570.00	28.70	0.742
		Middle	3625.00	28.88	0.772
		High	3680.00	29.47	0.884
	16QAM	Low	3570.00	28.48	0.705
		Middle	3625.00	28.82	0.763
		High	3680.00	28.88	0.773
	64QAM	Low	3570.00	28.64	0.731
		Middle	3625.00	29.11	0.815
		High	3680.00	29.24	0.840
	256QAM	Low	3570.00	28.55	0.716
		Middle	3625.00	28.99	0.793
		High	3680.00	29.34	0.859
Port 1	QPSK	Low	3570.00	28.55	0.716
		Middle	3625.00	29.24	0.839
		High	3680.00	29.30	0.852
	16QAM	Low	3570.00	28.40	0.692
		Middle	3625.00	28.79	0.756
		High	3680.00	29.00	0.795
	64QAM	Low	3570.00	28.53	0.712
		Middle	3625.00	29.17	0.826
		High	3680.00	29.11	0.814
	256QAM	Low	3570.00	28.86	0.769
		Middle	3625.00	29.05	0.803
		High	3680.00	29.21	0.834
Port 2	QPSK	Low	3570.00	28.55	0.716
		Middle	3625.00	28.86	0.770
		High	3680.00	29.30	0.851
	16QAM	Low	3570.00	28.43	0.697
		Middle	3625.00	28.94	0.783
		High	3680.00	29.03	0.799
	64QAM	Low	3570.00	28.88	0.773

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	28.90	0.775
		High	3680.00	29.09	0.811
	256QAM	Low	3570.00	28.88	0.773
		Middle	3625.00	28.95	0.785
		High	3680.00	29.11	0.815
	QPSK	Low	3570.00	28.49	0.707
		Middle	3625.00	28.90	0.776
		High	3680.00	29.06	0.806
	16QAM	Low	3570.00	28.46	0.701
Middle		3625.00	28.94	0.784	
High		3680.00	29.12	0.817	
64QAM	Low	3570.00	28.63	0.730	
	Middle	3625.00	29.01	0.795	
	High	3680.00	29.15	0.822	
256QAM	Low	3570.00	28.88	0.773	
	Middle	3625.00	28.96	0.787	
	High	3680.00	29.16	0.823	



**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth / 2 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3570.00	45.61
	Middle	3625.00	46.00
	High	3680.00	46.32
16QAM	Low	3570.00	45.48
	Middle	3625.00	45.90
	High	3680.00	46.04
64QAM	Low	3570.00	45.70
	Middle	3625.00	46.08
	High	3680.00	46.18
256QAM	Low	3570.00	45.83
	Middle	3625.00	46.02
	High	3680.00	46.24

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3565.00	28.89	0.774
		Middle	3625.00	29.10	0.812
		High	3685.00	29.34	0.859
	16QAM	Low	3565.00	28.69	0.739
		Middle	3625.00	28.87	0.771
		High	3685.00	29.10	0.812
	64QAM	Low	3565.00	28.82	0.763
		Middle	3625.00	29.13	0.819
		High	3685.00	29.21	0.834
	256QAM	Low	3565.00	28.84	0.766
		Middle	3625.00	28.97	0.788
		High	3685.00	29.29	0.850
Port 1	QPSK	Low	3565.00	28.59	0.722
		Middle	3625.00	29.01	0.796
		High	3685.00	28.73	0.747
	16QAM	Low	3565.00	28.87	0.771
		Middle	3625.00	28.48	0.705
		High	3685.00	28.81	0.760
	64QAM	Low	3565.00	28.83	0.764
		Middle	3625.00	28.96	0.787
		High	3685.00	29.02	0.798
	256QAM	Low	3565.00	28.96	0.788
		Middle	3625.00	28.94	0.783
		High	3685.00	29.01	0.796
Port 2	QPSK	Low	3565.00	28.74	0.749
		Middle	3625.00	28.74	0.748
		High	3685.00	29.23	0.837
	16QAM	Low	3565.00	28.67	0.736
		Middle	3625.00	28.81	0.760
		High	3685.00	28.95	0.785
	64QAM	Low	3565.00	28.75	0.750

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	28.91	0.779
		High	3685.00	29.17	0.827
	256QAM	Low	3565.00	28.80	0.758
		Middle	3625.00	28.76	0.752
		High	3685.00	29.20	0.832
	Port 3	QPSK	Low	3565.00	28.65
Middle			3625.00	28.63	0.729
High			3685.00	29.12	0.817
16QAM		Low	3565.00	28.41	0.693
		Middle	3625.00	28.67	0.737
		High	3685.00	28.97	0.790
64QAM		Low	3565.00	28.86	0.770
		Middle	3625.00	28.90	0.777
		High	3685.00	29.15	0.822
256QAM		Low	3565.00	28.63	0.729
		Middle	3625.00	28.82	0.762
		High	3685.00	29.46	0.883

**Sum data of all port (10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3565.00	45.75
	Middle	3625.00	45.90
	High	3685.00	46.14
16QAM	Low	3565.00	45.69
	Middle	3625.00	45.74
	High	3685.00	45.99
64QAM	Low	3565.00	45.85
	Middle	3625.00	46.01
	High	3685.00	46.17
256QAM	Low	3565.00	45.84
	Middle	3625.00	45.90
	High	3685.00	46.28

\*Note

- Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3570.00	28.66	0.734
		Middle	3625.00	28.93	0.781
		High	3680.00	29.21	0.834
	16QAM	Low	3570.00	28.57	0.720
		Middle	3625.00	28.66	0.735
		High	3680.00	29.13	0.819
	64QAM	Low	3570.00	28.84	0.765
		Middle	3625.00	29.12	0.816
		High	3680.00	29.20	0.831
	256QAM	Low	3570.00	28.91	0.779
		Middle	3625.00	29.14	0.820
		High	3680.00	29.42	0.874
Port 1	QPSK	Low	3570.00	28.73	0.747
		Middle	3625.00	28.95	0.785
		High	3680.00	29.02	0.798
	16QAM	Low	3570.00	28.42	0.695
		Middle	3625.00	29.00	0.795
		High	3680.00	28.86	0.769
	64QAM	Low	3570.00	28.86	0.770
		Middle	3625.00	29.20	0.832
		High	3680.00	29.37	0.866
	256QAM	Low	3570.00	28.78	0.756
		Middle	3625.00	29.12	0.817
		High	3680.00	29.17	0.826
Port 2	QPSK	Low	3570.00	28.64	0.732
		Middle	3625.00	28.79	0.757
		High	3680.00	29.25	0.841
	16QAM	Low	3570.00	28.57	0.720
		Middle	3625.00	29.10	0.813
		High	3680.00	29.01	0.797
	64QAM	Low	3570.00	28.75	0.749

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	28.99	0.792
		High	3680.00	29.02	0.798
	256QAM	Low	3570.00	28.84	0.766
		Middle	3625.00	29.00	0.794
		High	3680.00	29.22	0.835
	Port 3	QPSK	Low	3570.00	28.73
Middle			3625.00	28.96	0.788
High			3680.00	29.28	0.847
16QAM		Low	3570.00	28.64	0.730
		Middle	3625.00	28.84	0.766
		High	3680.00	28.85	0.766
64QAM		Low	3570.00	28.93	0.781
		Middle	3625.00	28.99	0.793
		High	3680.00	29.17	0.825
256QAM		Low	3570.00	28.83	0.764
		Middle	3625.00	29.23	0.838
		High	3680.00	29.18	0.829

**Sum data of all port (20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3570.00	45.72
	Middle	3625.00	45.94
	High	3680.00	46.22
16QAM	Low	3570.00	45.58
	Middle	3625.00	45.94
	High	3680.00	46.00
64QAM	Low	3570.00	45.87
	Middle	3625.00	46.11
	High	3680.00	46.22
256QAM	Low	3570.00	45.87
	Middle	3625.00	46.15
	High	3680.00	46.28

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3575.00	28.69	0.740
		Middle	3625.00	29.30	0.851
		High	3675.00	29.31	0.852
	16QAM	Low	3575.00	28.73	0.747
		Middle	3625.00	28.92	0.779
		High	3675.00	29.08	0.808
	64QAM	Low	3575.00	28.99	0.792
		Middle	3625.00	29.12	0.817
		High	3675.00	29.23	0.838
	256QAM	Low	3575.00	28.93	0.782
		Middle	3625.00	28.99	0.792
		High	3675.00	29.35	0.861
Port 1	QPSK	Low	3575.00	28.75	0.750
		Middle	3625.00	29.21	0.833
		High	3675.00	29.57	0.906
	16QAM	Low	3575.00	28.89	0.774
		Middle	3625.00	28.82	0.762
		High	3675.00	28.92	0.780
	64QAM	Low	3575.00	28.65	0.733
		Middle	3625.00	29.07	0.808
		High	3675.00	29.36	0.863
	256QAM	Low	3575.00	28.98	0.790
		Middle	3625.00	28.97	0.790
		High	3675.00	29.31	0.853
Port 2	QPSK	Low	3575.00	28.71	0.744
		Middle	3625.00	29.58	0.907
		High	3675.00	29.32	0.856
	16QAM	Low	3575.00	28.77	0.754
		Middle	3625.00	28.97	0.789
		High	3675.00	29.15	0.822
	64QAM	Low	3575.00	28.94	0.783



Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	29.14	0.821
		High	3675.00	29.37	0.864
		Low	3575.00	29.04	0.802
	256QAM	Middle	3625.00	29.21	0.833
		High	3675.00	29.46	0.882
		Low	3575.00	28.72	0.744
	QPSK	Middle	3625.00	29.21	0.833
		High	3675.00	29.49	0.888
		Low	3575.00	28.61	0.726
16QAM	Middle	3625.00	28.95	0.785	
	High	3675.00	29.44	0.880	
	Low	3575.00	28.62	0.728	
64QAM	Middle	3625.00	29.23	0.837	
	High	3675.00	29.35	0.861	
	Low	3575.00	28.86	0.769	
256QAM	Middle	3625.00	29.31	0.854	
	High	3675.00	29.36	0.862	
	Low	3575.00	28.86	0.769	

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3575.00	45.75
	Middle	3625.00	46.36
	High	3675.00	46.45
16QAM	Low	3575.00	45.78
	Middle	3625.00	45.95
	High	3675.00	46.18
64QAM	Low	3575.00	45.83
	Middle	3625.00	46.17
	High	3675.00	46.36
256QAM	Low	3575.00	45.98
	Middle	3625.00	46.15
	High	3675.00	46.40

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

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

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3580.00	28.77	0.753
		Middle	3625.00	28.55	0.715
		High	3670.00	29.16	0.824
	16QAM	Low	3580.00	28.71	0.743
		Middle	3625.00	28.65	0.733
		High	3670.00	28.52	0.712
	64QAM	Low	3580.00	28.74	0.749
		Middle	3625.00	28.84	0.765
		High	3670.00	29.08	0.809
	256QAM	Low	3580.00	28.56	0.717
		Middle	3625.00	29.03	0.800
		High	3670.00	28.65	0.732
Port 1	QPSK	Low	3580.00	28.85	0.768
		Middle	3625.00	28.96	0.787
		High	3670.00	29.20	0.832
	16QAM	Low	3580.00	28.60	0.724
		Middle	3625.00	28.60	0.724
		High	3670.00	28.92	0.781
	64QAM	Low	3580.00	28.57	0.719
		Middle	3625.00	29.08	0.810
		High	3670.00	29.15	0.822
	256QAM	Low	3580.00	28.72	0.744
		Middle	3625.00	29.26	0.844
		High	3670.00	29.12	0.817
Port 2	QPSK	Low	3580.00	28.72	0.745
		Middle	3625.00	29.27	0.845
		High	3670.00	28.88	0.773
	16QAM	Low	3580.00	28.82	0.761
		Middle	3625.00	29.15	0.823
		High	3670.00	29.05	0.803
	64QAM	Low	3580.00	28.92	0.780

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	28.97	0.789
		High	3670.00	29.55	0.902
	256QAM	Low	3580.00	28.73	0.747
		Middle	3625.00	29.28	0.848
		High	3670.00	29.10	0.813
	Port 3	QPSK	Low	3580.00	28.62
Middle			3625.00	29.02	0.799
High			3670.00	29.01	0.796
16QAM		Low	3580.00	28.63	0.729
		Middle	3625.00	28.66	0.734
		High	3670.00	29.10	0.813
64QAM		Low	3580.00	28.84	0.766
		Middle	3625.00	29.10	0.813
		High	3670.00	29.12	0.816
256QAM		Low	3580.00	28.77	0.753
		Middle	3625.00	29.13	0.818
		High	3670.00	29.34	0.860

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth / 3 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3580.00	45.77
	Middle	3625.00	45.99
	High	3670.00	46.10
16QAM	Low	3580.00	45.72
	Middle	3625.00	45.80
	High	3670.00	45.94
64QAM	Low	3580.00	45.80
	Middle	3625.00	46.03
	High	3670.00	46.26
256QAM	Low	3580.00	45.72
	Middle	3625.00	46.21
	High	3670.00	46.09

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3570.00	28.66	0.734
		Middle	3625.00	29.02	0.798
		High	3680.00	29.11	0.815
	16QAM	Low	3570.00	28.66	0.735
		Middle	3625.00	28.52	0.712
		High	3680.00	28.92	0.779
	64QAM	Low	3570.00	28.95	0.786
		Middle	3625.00	28.86	0.769
		High	3680.00	29.18	0.828
	256QAM	Low	3570.00	28.77	0.754
		Middle	3625.00	28.97	0.789
		High	3680.00	29.25	0.842
Port 1	QPSK	Low	3570.00	28.90	0.775
		Middle	3625.00	29.01	0.796
		High	3680.00	29.02	0.798
	16QAM	Low	3570.00	28.48	0.705
		Middle	3625.00	28.99	0.792
		High	3680.00	28.90	0.776
	64QAM	Low	3570.00	28.79	0.757
		Middle	3625.00	29.02	0.798
		High	3680.00	28.98	0.791
	256QAM	Low	3570.00	28.98	0.791
		Middle	3625.00	29.03	0.799
		High	3680.00	28.88	0.773
Port 2	QPSK	Low	3570.00	28.43	0.696
		Middle	3625.00	28.87	0.771
		High	3680.00	29.11	0.815
	16QAM	Low	3570.00	28.36	0.685
		Middle	3625.00	28.80	0.758
		High	3680.00	28.86	0.769
	64QAM	Low	3570.00	28.74	0.748

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3	256QAM	Middle	3625.00	29.00	0.794
		High	3680.00	29.17	0.825
		Low	3570.00	28.51	0.709
	256QAM	Middle	3625.00	29.02	0.798
		High	3680.00	29.06	0.805
		Low	3570.00	28.68	0.738
	QPSK	Middle	3625.00	29.19	0.830
		High	3680.00	29.30	0.851
		Low	3570.00	28.64	0.731
16QAM	Middle	3625.00	28.79	0.756	
	High	3680.00	29.03	0.800	
	Low	3570.00	28.64	0.731	
64QAM	Middle	3625.00	29.05	0.804	
	High	3680.00	29.16	0.823	
	Low	3570.00	28.69	0.740	
256QAM	Middle	3625.00	29.03	0.800	
	High	3680.00	29.09	0.811	
	Low	3570.00	28.69	0.740	

**Sum data of all port (10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3570.00	45.70
	Middle	3625.00	46.05
	High	3680.00	46.17
16QAM	Low	3570.00	45.57
	Middle	3625.00	45.81
	High	3680.00	45.96
64QAM	Low	3570.00	45.81
	Middle	3625.00	46.01
	High	3680.00	46.15
256QAM	Low	3570.00	45.77
	Middle	3625.00	46.04
	High	3680.00	46.10

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results



20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3575.00	29.04	0.802
		Middle	3625.00	28.99	0.792
		High	3675.00	29.40	0.872
	16QAM	Low	3575.00	28.49	0.706
		Middle	3625.00	28.94	0.783
		High	3675.00	29.21	0.833
	64QAM	Low	3575.00	28.93	0.781
		Middle	3625.00	29.23	0.837
		High	3675.00	29.46	0.883
	256QAM	Low	3575.00	28.64	0.731
		Middle	3625.00	29.15	0.823
		High	3675.00	29.40	0.871
Port 1	QPSK	Low	3575.00	28.82	0.763
		Middle	3625.00	29.32	0.855
		High	3675.00	29.56	0.903
	16QAM	Low	3575.00	28.82	0.762
		Middle	3625.00	28.88	0.772
		High	3675.00	29.04	0.802
	64QAM	Low	3575.00	29.03	0.800
		Middle	3625.00	29.16	0.824
		High	3675.00	29.37	0.864
	256QAM	Low	3575.00	29.06	0.806
		Middle	3625.00	29.10	0.812
		High	3675.00	29.51	0.892
Port 2	QPSK	Low	3575.00	28.76	0.751
		Middle	3625.00	29.15	0.821
		High	3675.00	29.40	0.870
	16QAM	Low	3575.00	28.43	0.696
		Middle	3625.00	28.71	0.744
		High	3675.00	28.95	0.786
	64QAM	Low	3575.00	29.00	0.795

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	29.06	0.806
		High	3675.00	29.32	0.855
		Low	3575.00	28.88	0.772
	256QAM	Middle	3625.00	29.10	0.813
		High	3675.00	29.35	0.860
		Low	3575.00	28.78	0.755
	QPSK	Middle	3625.00	29.29	0.848
		High	3675.00	29.30	0.851
		Low	3575.00	28.54	0.715
16QAM	Middle	3625.00	28.79	0.756	
	High	3675.00	29.05	0.803	
	Low	3575.00	28.78	0.756	
64QAM	Middle	3625.00	29.05	0.804	
	High	3675.00	29.57	0.906	
	Low	3575.00	29.07	0.807	
256QAM	Middle	3625.00	29.16	0.823	
	High	3675.00	29.17	0.826	
	Low	3575.00	28.78	0.756	

**Sum data of all port (20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3575.00	45.88
	Middle	3625.00	46.22
	High	3675.00	46.45
16QAM	Low	3575.00	45.60
	Middle	3625.00	45.86
	High	3675.00	46.09
64QAM	Low	3575.00	45.97
	Middle	3625.00	46.16
	High	3675.00	46.46
256QAM	Low	3575.00	45.95
	Middle	3625.00	46.16
	High	3675.00	46.39

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3580.00	28.49	0.706
		Middle	3625.00	29.30	0.850
		High	3670.00	29.56	0.904
	16QAM	Low	3580.00	28.50	0.708
		Middle	3625.00	28.82	0.762
		High	3670.00	29.40	0.870
	64QAM	Low	3580.00	28.59	0.723
		Middle	3625.00	28.93	0.782
		High	3670.00	29.21	0.833
	256QAM	Low	3580.00	28.80	0.758
		Middle	3625.00	29.16	0.824
		High	3670.00	29.36	0.864
Port 1	QPSK	Low	3580.00	28.57	0.720
		Middle	3625.00	29.06	0.805
		High	3670.00	29.41	0.873
	16QAM	Low	3580.00	28.62	0.728
		Middle	3625.00	28.94	0.784
		High	3670.00	29.08	0.808
	64QAM	Low	3580.00	28.68	0.737
		Middle	3625.00	29.11	0.815
		High	3670.00	29.04	0.801
	256QAM	Low	3580.00	28.74	0.748
		Middle	3625.00	29.00	0.794
		High	3670.00	29.15	0.823
Port 2	QPSK	Low	3580.00	28.65	0.733
		Middle	3625.00	29.20	0.831
		High	3670.00	29.45	0.881
	16QAM	Low	3580.00	28.51	0.710
		Middle	3625.00	28.89	0.774
		High	3670.00	28.86	0.769
	64QAM	Low	3580.00	28.78	0.756

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	29.14	0.820
		High	3670.00	29.18	0.828
	256QAM	Low	3580.00	28.82	0.762
		Middle	3625.00	29.11	0.815
		High	3670.00	29.58	0.908
	Port 3	QPSK	Low	3580.00	28.53
Middle			3625.00	29.03	0.799
High			3670.00	29.24	0.839
16QAM		Low	3580.00	28.47	0.703
		Middle	3625.00	29.01	0.796
		High	3670.00	28.97	0.788
64QAM		Low	3580.00	28.60	0.724
		Middle	3625.00	28.83	0.763
		High	3670.00	29.02	0.799
256QAM		Low	3580.00	29.13	0.818
		Middle	3625.00	28.94	0.783
		High	3670.00	29.31	0.854

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3580.00	45.59
	Middle	3625.00	46.18
	High	3670.00	46.45
16QAM	Low	3580.00	45.56
	Middle	3625.00	45.95
	High	3670.00	46.11
64QAM	Low	3580.00	45.69
	Middle	3625.00	46.03
	High	3670.00	46.14
256QAM	Low	3580.00	45.90
	Middle	3625.00	46.08
	High	3670.00	46.39

\*Note

- Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3585.00	28.96	0.787
		Middle	3625.00	28.81	0.760
		High	3665.00	29.14	0.819
	16QAM	Low	3585.00	28.52	0.711
		Middle	3625.00	28.70	0.742
		High	3665.00	28.97	0.788
	64QAM	Low	3585.00	28.97	0.788
		Middle	3625.00	28.92	0.780
		High	3665.00	29.20	0.833
	256QAM	Low	3585.00	28.94	0.784
		Middle	3625.00	29.13	0.819
		High	3665.00	29.24	0.839
Port 1	QPSK	Low	3585.00	28.86	0.770
		Middle	3625.00	28.98	0.790
		High	3665.00	29.22	0.836
	16QAM	Low	3585.00	28.62	0.727
		Middle	3625.00	28.93	0.782
		High	3665.00	29.05	0.803
	64QAM	Low	3585.00	28.80	0.759
		Middle	3625.00	29.17	0.825
		High	3665.00	29.36	0.862
	256QAM	Low	3585.00	28.75	0.750
		Middle	3625.00	29.37	0.864
		High	3665.00	29.54	0.899
Port 2	QPSK	Low	3585.00	28.89	0.775
		Middle	3625.00	29.01	0.795
		High	3665.00	29.09	0.811
	16QAM	Low	3585.00	28.48	0.704
		Middle	3625.00	28.75	0.750
		High	3665.00	29.11	0.814
	64QAM	Low	3585.00	28.91	0.778

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	29.01	0.796
		High	3665.00	29.09	0.812
	256QAM	Low	3585.00	29.04	0.802
		Middle	3625.00	28.91	0.778
		High	3665.00	29.13	0.819
	QPSK	Low	3585.00	28.77	0.753
		Middle	3625.00	29.17	0.826
		High	3665.00	29.30	0.850
	16QAM	Low	3585.00	28.57	0.719
Middle		3625.00	28.76	0.752	
High		3665.00	28.97	0.790	
64QAM	Low	3585.00	28.90	0.776	
	Middle	3625.00	29.25	0.840	
	High	3665.00	29.31	0.852	
256QAM	Low	3585.00	28.96	0.788	
	Middle	3625.00	29.23	0.837	
	High	3665.00	29.21	0.833	



**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3585.00	45.90
	Middle	3625.00	46.02
	High	3665.00	46.22
16QAM	Low	3585.00	45.58
	Middle	3625.00	45.82
	High	3665.00	46.05
64QAM	Low	3585.00	45.93
	Middle	3625.00	46.12
	High	3665.00	46.27
256QAM	Low	3585.00	45.96
	Middle	3625.00	46.19
	High	3665.00	46.31

\*Note

- Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3590.00	29.06	0.805
		Middle	3625.00	29.26	0.842
		High	3660.00	29.04	0.802
	16QAM	Low	3590.00	28.60	0.724
		Middle	3625.00	28.76	0.752
		High	3660.00	28.94	0.784
	64QAM	Low	3590.00	28.96	0.787
		Middle	3625.00	29.08	0.808
		High	3660.00	29.23	0.838
	256QAM	Low	3590.00	28.91	0.778
		Middle	3625.00	28.97	0.789
		High	3660.00	29.27	0.844
Port 1	QPSK	Low	3590.00	28.91	0.778
		Middle	3625.00	29.20	0.831
		High	3660.00	29.08	0.809
	16QAM	Low	3590.00	28.72	0.745
		Middle	3625.00	29.01	0.796
		High	3660.00	28.87	0.771
	64QAM	Low	3590.00	28.84	0.765
		Middle	3625.00	29.33	0.856
		High	3660.00	28.97	0.788
	256QAM	Low	3590.00	28.80	0.758
		Middle	3625.00	29.10	0.812
		High	3660.00	29.30	0.851
Port 2	QPSK	Low	3590.00	28.89	0.775
		Middle	3625.00	28.85	0.766
		High	3660.00	29.06	0.806
	16QAM	Low	3590.00	28.78	0.755
		Middle	3625.00	28.81	0.760
		High	3660.00	28.86	0.770
	64QAM	Low	3590.00	28.70	0.741

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	29.05	0.804
		High	3660.00	29.05	0.803
		Low	3590.00	29.09	0.811
	256QAM	Middle	3625.00	29.19	0.830
		High	3660.00	28.86	0.769
		Low	3590.00	28.83	0.763
	QPSK	Middle	3625.00	28.99	0.793
		High	3660.00	29.17	0.826
		Low	3590.00	28.95	0.786
16QAM	Middle	3625.00	29.18	0.827	
	High	3660.00	28.86	0.769	
	Low	3590.00	29.29	0.848	
64QAM	Middle	3625.00	29.06	0.806	
	High	3660.00	29.12	0.817	
	Low	3590.00	28.81	0.760	
256QAM	Middle	3625.00	29.09	0.810	
	High	3660.00	28.93	0.781	
	Low	3590.00	28.83	0.763	

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3590.00	45.95
	Middle	3625.00	46.10
	High	3660.00	46.12
16QAM	Low	3590.00	45.80
	Middle	3625.00	45.97
	High	3660.00	45.92
64QAM	Low	3590.00	45.98
	Middle	3625.00	46.16
	High	3660.00	46.12
256QAM	Low	3590.00	45.93
	Middle	3625.00	46.12
	High	3660.00	46.12

\*Note

- Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

**Max Output Power Test Results for Clip-on Ant :**

10 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3555.00	24.08	0.256
		Middle	3625.00	24.44	0.278
		High	3695.00	24.99	0.315
	16QAM	Low	3555.00	23.49	0.223
		Middle	3625.00	24.43	0.277
		High	3695.00	24.80	0.302
	64QAM	Low	3555.00	23.76	0.238
		Middle	3625.00	24.35	0.272
		High	3695.00	24.91	0.309
	256QAM	Low	3555.00	23.65	0.231
		Middle	3625.00	24.58	0.287
		High	3695.00	24.93	0.311
Port 1	QPSK	Low	3555.00	23.63	0.231
		Middle	3625.00	24.32	0.270
		High	3695.00	24.91	0.310
	16QAM	Low	3555.00	23.47	0.223
		Middle	3625.00	24.15	0.260
		High	3695.00	24.67	0.293
	64QAM	Low	3555.00	23.85	0.242
		Middle	3625.00	24.51	0.282
		High	3695.00	24.71	0.296
	256QAM	Low	3555.00	23.81	0.241
		Middle	3625.00	24.44	0.278
		High	3695.00	24.81	0.303
Port 2	QPSK	Low	3555.00	23.58	0.228
		Middle	3625.00	24.21	0.263
		High	3695.00	24.66	0.292
	16QAM	Low	3555.00	23.47	0.222
		Middle	3625.00	24.29	0.269
		High	3695.00	24.68	0.294

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
	64QAM	Low	3555.00	23.60	0.229
		Middle	3625.00	24.49	0.281
		High	3695.00	24.96	0.313
	256QAM	Low	3555.00	23.51	0.224
		Middle	3625.00	24.51	0.283
		High	3695.00	24.91	0.309
Port 3	QPSK	Low	3555.00	23.63	0.231
		Middle	3625.00	24.69	0.294
		High	3695.00	24.89	0.308
	16QAM	Low	3555.00	23.48	0.223
		Middle	3625.00	24.26	0.267
		High	3695.00	24.80	0.302
	64QAM	Low	3555.00	23.63	0.231
		Middle	3625.00	24.51	0.282
		High	3695.00	24.99	0.316
	256QAM	Low	3555.00	23.71	0.235
		Middle	3625.00	24.48	0.280
		High	3695.00	24.89	0.308

**Sum data of all port (10 MHz Bandwidth / 1 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3555.00	45.77
	Middle	3625.00	46.45
	High	3695.00	46.89
16QAM	Low	3555.00	45.51
	Middle	3625.00	46.32
	High	3695.00	46.77
64QAM	Low	3555.00	45.74
	Middle	3625.00	46.49
	High	3695.00	46.92
256QAM	Low	3555.00	45.70
	Middle	3625.00	46.53
	High	3695.00	46.92

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3560.00	23.94	0.248
		Middle	3625.00	24.36	0.273
		High	3690.00	24.85	0.305
	16QAM	Low	3560.00	23.63	0.231
		Middle	3625.00	24.16	0.261
		High	3690.00	24.91	0.309
	64QAM	Low	3560.00	23.66	0.232
		Middle	3625.00	24.48	0.281
		High	3690.00	24.94	0.312
	256QAM	Low	3560.00	23.77	0.238
		Middle	3625.00	24.32	0.270
		High	3690.00	24.99	0.316
Port 1	QPSK	Low	3560.00	23.49	0.223
		Middle	3625.00	24.33	0.271
		High	3690.00	24.97	0.314
	16QAM	Low	3560.00	23.53	0.225
		Middle	3625.00	24.26	0.266
		High	3690.00	24.56	0.285
	64QAM	Low	3560.00	23.77	0.238
		Middle	3625.00	24.55	0.285
		High	3690.00	24.97	0.314
	256QAM	Low	3560.00	23.78	0.239
		Middle	3625.00	24.56	0.286
		High	3690.00	24.95	0.313
Port 2	QPSK	Low	3560.00	23.76	0.238
		Middle	3625.00	24.75	0.298
		High	3690.00	24.87	0.307
	16QAM	Low	3560.00	23.60	0.229
		Middle	3625.00	24.28	0.268
		High	3690.00	24.95	0.312
	64QAM	Low	3560.00	23.93	0.247



Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	24.78	0.301
		High	3690.00	24.93	0.311
	256QAM	Low	3560.00	23.98	0.250
		Middle	3625.00	24.70	0.295
		High	3690.00	24.96	0.313
	Port 3	QPSK	Low	3560.00	23.89
Middle			3625.00	24.74	0.298
High			3690.00	24.94	0.312
16QAM		Low	3560.00	23.60	0.229
		Middle	3625.00	24.30	0.269
		High	3690.00	24.96	0.313
64QAM		Low	3560.00	23.76	0.238
		Middle	3625.00	24.63	0.290
		High	3690.00	24.74	0.298
256QAM		Low	3560.00	23.58	0.228
		Middle	3625.00	24.67	0.293
		High	3690.00	24.88	0.307

**Sum data of all port (20 MHz Bandwidth / 1 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3560.00	45.80
	Middle	3625.00	46.58
	High	3690.00	46.94
16QAM	Low	3560.00	45.62
	Middle	3625.00	46.28
	High	3690.00	46.88
64QAM	Low	3560.00	45.81
	Middle	3625.00	46.64
	High	3690.00	46.92
256QAM	Low	3560.00	45.81
	Middle	3625.00	46.59
	High	3690.00	46.97

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3560.00	23.73	0.236
		Middle	3625.00	24.31	0.270
		High	3690.00	24.90	0.309
	16QAM	Low	3560.00	23.57	0.227
		Middle	3625.00	24.03	0.253
		High	3690.00	24.35	0.272
	64QAM	Low	3560.00	23.84	0.242
		Middle	3625.00	24.17	0.261
		High	3690.00	24.81	0.303
	256QAM	Low	3560.00	23.73	0.236
		Middle	3625.00	24.27	0.267
		High	3690.00	24.77	0.300
Port 1	QPSK	Low	3560.00	23.86	0.243
		Middle	3625.00	24.33	0.271
		High	3690.00	24.95	0.313
	16QAM	Low	3560.00	23.57	0.227
		Middle	3625.00	24.12	0.258
		High	3690.00	24.80	0.302
	64QAM	Low	3560.00	23.78	0.239
		Middle	3625.00	24.62	0.290
		High	3690.00	24.80	0.302
	256QAM	Low	3560.00	23.84	0.242
		Middle	3625.00	24.80	0.302
		High	3690.00	24.85	0.305
Port 2	QPSK	Low	3560.00	23.58	0.228
		Middle	3625.00	24.38	0.274
		High	3690.00	24.75	0.298
	16QAM	Low	3560.00	23.50	0.224
		Middle	3625.00	24.13	0.259
		High	3690.00	24.43	0.277
	64QAM	Low	3560.00	23.78	0.239

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	24.56	0.286
		High	3690.00	24.79	0.302
	256QAM	Low	3560.00	23.59	0.229
		Middle	3625.00	24.45	0.279
		High	3690.00	24.94	0.312
	Port 3	QPSK	Low	3560.00	23.90
Middle			3625.00	24.67	0.293
High			3690.00	24.87	0.307
16QAM		Low	3560.00	23.54	0.226
		Middle	3625.00	24.30	0.269
		High	3690.00	24.90	0.309
64QAM		Low	3560.00	23.93	0.247
		Middle	3625.00	24.55	0.285
		High	3690.00	24.96	0.313
256QAM		Low	3560.00	23.88	0.244
		Middle	3625.00	24.63	0.290
		High	3690.00	24.87	0.307

**Sum data of all port (10 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3560.00	45.80
	Middle	3625.00	46.46
	High	3690.00	46.90
16QAM	Low	3560.00	45.57
	Middle	3625.00	46.18
	High	3690.00	46.66
64QAM	Low	3560.00	45.86
	Middle	3625.00	46.51
	High	3690.00	46.87
256QAM	Low	3560.00	45.79
	Middle	3625.00	46.57
	High	3690.00	46.89

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3565.00	23.54	0.226
		Middle	3625.00	24.54	0.285
		High	3685.00	24.97	0.314
	16QAM	Low	3565.00	23.64	0.231
		Middle	3625.00	24.30	0.269
		High	3685.00	24.95	0.312
	64QAM	Low	3565.00	23.68	0.233
		Middle	3625.00	24.76	0.299
		High	3685.00	24.95	0.313
	256QAM	Low	3565.00	23.85	0.243
		Middle	3625.00	24.52	0.283
		High	3685.00	24.88	0.307
Port 1	QPSK	Low	3565.00	23.78	0.239
		Middle	3625.00	24.39	0.275
		High	3685.00	24.74	0.298
	16QAM	Low	3565.00	23.49	0.223
		Middle	3625.00	24.34	0.272
		High	3685.00	24.51	0.283
	64QAM	Low	3565.00	24.01	0.252
		Middle	3625.00	24.76	0.299
		High	3685.00	24.85	0.305
	256QAM	Low	3565.00	23.90	0.246
		Middle	3625.00	24.65	0.292
		High	3685.00	24.96	0.314
Port 2	QPSK	Low	3565.00	23.67	0.233
		Middle	3625.00	24.52	0.283
		High	3685.00	24.82	0.304
	16QAM	Low	3565.00	23.72	0.236
		Middle	3625.00	24.13	0.259
		High	3685.00	24.90	0.309
	64QAM	Low	3565.00	23.99	0.251

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	24.76	0.299
		High	3685.00	24.92	0.310
	256QAM	Low	3565.00	24.01	0.252
		Middle	3625.00	24.82	0.303
		High	3685.00	24.96	0.313
	Port 3	QPSK	Low	3565.00	23.81
Middle			3625.00	24.82	0.304
High			3685.00	24.82	0.303
16QAM		Low	3565.00	23.62	0.230
		Middle	3625.00	24.37	0.274
		High	3685.00	24.91	0.310
64QAM		Low	3565.00	24.15	0.260
		Middle	3625.00	24.80	0.302
		High	3685.00	24.95	0.312
256QAM		Low	3565.00	24.04	0.254
		Middle	3625.00	24.83	0.304
		High	3685.00	24.90	0.309

**Sum data of all port (20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3565.00	45.73
	Middle	3625.00	46.60
	High	3685.00	46.87
16QAM	Low	3565.00	45.65
	Middle	3625.00	46.32
	High	3685.00	46.85
64QAM	Low	3565.00	45.99
	Middle	3625.00	46.80
	High	3685.00	46.95
256QAM	Low	3565.00	45.98
	Middle	3625.00	46.73
	High	3685.00	46.95

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results



20 MHz Bandwidth + 20 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3570.00	24.30	0.269
		Middle	3625.00	24.52	0.283
		High	3680.00	24.97	0.314
	16QAM	Low	3570.00	24.06	0.255
		Middle	3625.00	24.54	0.285
		High	3680.00	24.91	0.310
	64QAM	Low	3570.00	24.15	0.260
		Middle	3625.00	24.48	0.280
		High	3680.00	24.79	0.302
	256QAM	Low	3570.00	24.14	0.259
		Middle	3625.00	24.71	0.296
		High	3680.00	24.87	0.307
Port 1	QPSK	Low	3570.00	24.24	0.266
		Middle	3625.00	24.40	0.276
		High	3680.00	24.72	0.296
	16QAM	Low	3570.00	24.06	0.255
		Middle	3625.00	24.42	0.277
		High	3680.00	24.73	0.297
	64QAM	Low	3570.00	24.26	0.266
		Middle	3625.00	24.98	0.315
		High	3680.00	24.90	0.309
	256QAM	Low	3570.00	24.01	0.252
		Middle	3625.00	24.71	0.296
		High	3680.00	24.92	0.310
Port 2	QPSK	Low	3570.00	24.42	0.277
		Middle	3625.00	24.73	0.297
		High	3680.00	24.97	0.314
	16QAM	Low	3570.00	24.03	0.253
		Middle	3625.00	24.43	0.277
		High	3680.00	24.85	0.306
	64QAM	Low	3570.00	24.37	0.274

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	24.46	0.280
		High	3680.00	24.88	0.308
	256QAM	Low	3570.00	24.33	0.271
		Middle	3625.00	24.66	0.292
		High	3680.00	24.83	0.304
	Port 3	QPSK	Low	3570.00	24.42
Middle			3625.00	24.74	0.298
High			3680.00	24.89	0.308
16QAM		Low	3570.00	24.08	0.256
		Middle	3625.00	24.55	0.285
		High	3680.00	24.71	0.296
64QAM		Low	3570.00	24.21	0.264
		Middle	3625.00	24.87	0.307
		High	3680.00	24.96	0.313
256QAM		Low	3570.00	24.38	0.274
		Middle	3625.00	24.65	0.292
		High	3680.00	24.95	0.313

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth / 2 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3570.00	46.38
	Middle	3625.00	46.63
	High	3680.00	46.92
16QAM	Low	3570.00	46.09
	Middle	3625.00	46.52
	High	3680.00	46.83
64QAM	Low	3570.00	46.28
	Middle	3625.00	46.73
	High	3680.00	46.92
256QAM	Low	3570.00	46.25
	Middle	3625.00	46.71
	High	3680.00	46.92

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3565.00	23.61	0.230
		Middle	3625.00	24.45	0.279
		High	3685.00	24.93	0.311
	16QAM	Low	3565.00	23.57	0.227
		Middle	3625.00	24.38	0.274
		High	3685.00	24.88	0.307
	64QAM	Low	3565.00	23.99	0.250
		Middle	3625.00	24.73	0.297
		High	3685.00	24.95	0.313
	256QAM	Low	3565.00	23.67	0.233
		Middle	3625.00	24.70	0.295
		High	3685.00	24.92	0.310
Port 1	QPSK	Low	3565.00	23.75	0.237
		Middle	3625.00	24.50	0.282
		High	3685.00	24.73	0.297
	16QAM	Low	3565.00	23.55	0.226
		Middle	3625.00	24.45	0.279
		High	3685.00	24.81	0.303
	64QAM	Low	3565.00	23.79	0.239
		Middle	3625.00	24.59	0.288
		High	3685.00	24.96	0.313
	256QAM	Low	3565.00	23.90	0.245
		Middle	3625.00	24.49	0.281
		High	3685.00	24.94	0.312
Port 2	QPSK	Low	3565.00	23.88	0.244
		Middle	3625.00	24.55	0.285
		High	3685.00	24.74	0.298
	16QAM	Low	3565.00	23.61	0.230
		Middle	3625.00	24.37	0.274
		High	3685.00	24.64	0.291
	64QAM	Low	3565.00	23.92	0.247

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	24.71	0.296
		High	3685.00	24.95	0.313
	256QAM	Low	3565.00	23.91	0.246
		Middle	3625.00	24.48	0.281
		High	3685.00	24.99	0.315
	QPSK	Low	3565.00	23.80	0.240
		Middle	3625.00	24.46	0.279
		High	3685.00	24.96	0.313
	16QAM	Low	3565.00	23.81	0.240
Middle		3625.00	24.54	0.285	
High		3685.00	24.74	0.298	
64QAM	Low	3565.00	23.75	0.237	
	Middle	3625.00	24.48	0.280	
	High	3685.00	24.99	0.315	
256QAM	Low	3565.00	23.61	0.230	
	Middle	3625.00	24.61	0.289	
	High	3685.00	24.88	0.308	

**Sum data of all port (10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3565.00	45.79
	Middle	3625.00	46.52
	High	3685.00	46.87
16QAM	Low	3565.00	45.67
	Middle	3625.00	46.47
	High	3685.00	46.80
64QAM	Low	3565.00	45.89
	Middle	3625.00	46.66
	High	3685.00	46.99
256QAM	Low	3565.00	45.80
	Middle	3625.00	46.60
	High	3685.00	46.96

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3570.00	24.03	0.253
		Middle	3625.00	24.51	0.282
		High	3680.00	24.72	0.297
	16QAM	Low	3570.00	24.06	0.255
		Middle	3625.00	24.39	0.275
		High	3680.00	24.65	0.291
	64QAM	Low	3570.00	24.17	0.261
		Middle	3625.00	24.62	0.290
		High	3680.00	24.92	0.311
	256QAM	Low	3570.00	24.26	0.267
		Middle	3625.00	24.50	0.282
		High	3680.00	24.73	0.297
Port 1	QPSK	Low	3570.00	24.11	0.258
		Middle	3625.00	24.36	0.273
		High	3680.00	24.84	0.305
	16QAM	Low	3570.00	23.98	0.250
		Middle	3625.00	24.30	0.269
		High	3680.00	24.62	0.290
	64QAM	Low	3570.00	24.14	0.259
		Middle	3625.00	24.61	0.289
		High	3680.00	24.89	0.308
	256QAM	Low	3570.00	23.95	0.248
		Middle	3625.00	24.48	0.281
		High	3680.00	24.99	0.316
Port 2	QPSK	Low	3570.00	23.93	0.247
		Middle	3625.00	24.47	0.280
		High	3680.00	24.90	0.309
	16QAM	Low	3570.00	23.92	0.246
		Middle	3625.00	24.29	0.269
		High	3680.00	24.76	0.299
	64QAM	Low	3570.00	24.16	0.261

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	24.34	0.272
		High	3680.00	24.92	0.311
	256QAM	Low	3570.00	24.09	0.256
		Middle	3625.00	24.29	0.268
		High	3680.00	24.94	0.312
	Port 3	QPSK	Low	3570.00	24.38
Middle			3625.00	24.75	0.298
High			3680.00	24.92	0.311
16QAM		Low	3570.00	24.11	0.257
		Middle	3625.00	24.58	0.287
		High	3680.00	24.98	0.315
64QAM		Low	3570.00	24.49	0.281
		Middle	3625.00	24.77	0.300
		High	3680.00	24.89	0.309
256QAM		Low	3570.00	24.64	0.291
		Middle	3625.00	24.78	0.301
		High	3680.00	24.92	0.311



**Sum data of all port (20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3570.00	46.15
	Middle	3625.00	46.55
	High	3680.00	46.88
16QAM	Low	3570.00	46.05
	Middle	3625.00	46.42
	High	3680.00	46.78
64QAM	Low	3570.00	46.27
	Middle	3625.00	46.62
	High	3680.00	46.94
256QAM	Low	3570.00	46.27
	Middle	3625.00	46.55
	High	3680.00	46.93

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3575.00	24.01	0.252
		Middle	3625.00	24.41	0.276
		High	3675.00	24.92	0.311
	16QAM	Low	3575.00	23.98	0.250
		Middle	3625.00	24.25	0.266
		High	3675.00	24.89	0.308
	64QAM	Low	3575.00	24.14	0.259
		Middle	3625.00	24.70	0.295
		High	3675.00	24.99	0.315
	256QAM	Low	3575.00	24.16	0.261
		Middle	3625.00	24.58	0.287
		High	3675.00	24.98	0.315
Port 1	QPSK	Low	3575.00	24.35	0.272
		Middle	3625.00	24.41	0.276
		High	3675.00	24.77	0.300
	16QAM	Low	3575.00	24.03	0.253
		Middle	3625.00	24.19	0.262
		High	3675.00	24.23	0.265
	64QAM	Low	3575.00	24.21	0.264
		Middle	3625.00	24.70	0.295
		High	3675.00	24.75	0.299
	256QAM	Low	3575.00	24.25	0.266
		Middle	3625.00	24.56	0.286
		High	3675.00	24.93	0.311
Port 2	QPSK	Low	3575.00	24.40	0.276
		Middle	3625.00	24.31	0.270
		High	3675.00	24.64	0.291
	16QAM	Low	3575.00	24.21	0.263
		Middle	3625.00	24.25	0.266
		High	3675.00	24.89	0.309
	64QAM	Low	3575.00	24.20	0.263

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	24.70	0.295
		High	3675.00	24.96	0.313
		Low	3575.00	24.24	0.265
	256QAM	Middle	3625.00	24.47	0.280
		High	3675.00	24.92	0.310
		Low	3575.00	24.12	0.258
	QPSK	Middle	3625.00	24.19	0.263
		High	3675.00	24.83	0.304
		Low	3575.00	23.93	0.247
16QAM	Middle	3625.00	24.13	0.259	
	High	3675.00	24.79	0.301	
	Low	3575.00	24.53	0.284	
64QAM	Middle	3625.00	24.51	0.282	
	High	3675.00	24.92	0.311	
	Low	3575.00	24.33	0.271	
256QAM	Middle	3625.00	24.28	0.268	
	High	3675.00	24.94	0.312	
	Low	3575.00	24.12	0.258	

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3575.00	46.25
	Middle	3625.00	46.36
	High	3675.00	46.82
16QAM	Low	3575.00	46.07
	Middle	3625.00	46.23
	High	3675.00	46.74
64QAM	Low	3575.00	46.30
	Middle	3625.00	46.68
	High	3675.00	46.94
256QAM	Low	3575.00	46.27
	Middle	3625.00	46.50
	High	3675.00	46.97

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

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

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3580.00	24.27	0.267
		Middle	3625.00	24.53	0.284
		High	3670.00	24.57	0.286
	16QAM	Low	3580.00	24.08	0.256
		Middle	3625.00	24.36	0.273
		High	3670.00	24.66	0.292
	64QAM	Low	3580.00	24.35	0.272
		Middle	3625.00	24.63	0.290
		High	3670.00	24.44	0.278
	256QAM	Low	3580.00	24.18	0.262
		Middle	3625.00	24.70	0.295
		High	3670.00	24.61	0.289
Port 1	QPSK	Low	3580.00	24.26	0.267
		Middle	3625.00	24.51	0.282
		High	3670.00	24.71	0.296
	16QAM	Low	3580.00	24.15	0.260
		Middle	3625.00	24.31	0.270
		High	3670.00	24.60	0.288
	64QAM	Low	3580.00	24.67	0.293
		Middle	3625.00	24.71	0.295
		High	3670.00	24.64	0.291
	256QAM	Low	3580.00	24.07	0.255
		Middle	3625.00	24.54	0.285
		High	3670.00	24.65	0.292
Port 2	QPSK	Low	3580.00	24.13	0.259
		Middle	3625.00	24.71	0.296
		High	3670.00	24.82	0.303
	16QAM	Low	3580.00	24.45	0.279
		Middle	3625.00	24.33	0.271
		High	3670.00	24.57	0.286
	64QAM	Low	3580.00	24.39	0.275

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3	256QAM	Middle	3625.00	24.67	0.293
		High	3670.00	24.91	0.310
		Low	3580.00	24.31	0.270
		Middle	3625.00	24.74	0.298
		High	3670.00	24.87	0.307
		Low	3580.00	24.17	0.261
	QPSK	Middle	3625.00	24.68	0.294
		High	3670.00	24.83	0.304
		Low	3580.00	23.78	0.239
16QAM	Middle	3625.00	24.57	0.286	
	High	3670.00	24.87	0.307	
	Low	3580.00	24.19	0.262	
64QAM	Middle	3625.00	24.66	0.292	
	High	3670.00	24.63	0.290	
	Low	3580.00	24.20	0.263	
256QAM	Middle	3625.00	24.67	0.293	
	High	3670.00	24.78	0.301	
	Low	3580.00	24.20	0.263	

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth / 3 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3580.00	46.24
	Middle	3625.00	46.64
	High	3670.00	46.76
16QAM	Low	3580.00	46.15
	Middle	3625.00	46.43
	High	3670.00	46.70
64QAM	Low	3580.00	46.43
	Middle	3625.00	46.69
	High	3670.00	46.69
256QAM	Low	3580.00	46.22
	Middle	3625.00	46.69
	High	3670.00	46.76

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3570.00	24.39	0.275
		Middle	3625.00	24.78	0.300
		High	3680.00	24.93	0.311
	16QAM	Low	3570.00	23.94	0.248
		Middle	3625.00	24.35	0.272
		High	3680.00	24.64	0.291
	64QAM	Low	3570.00	24.15	0.260
		Middle	3625.00	24.37	0.273
		High	3680.00	24.93	0.311
	256QAM	Low	3570.00	24.07	0.255
		Middle	3625.00	24.36	0.273
		High	3680.00	24.86	0.306
Port 1	QPSK	Low	3570.00	23.87	0.244
		Middle	3625.00	24.43	0.277
		High	3680.00	24.88	0.308
	16QAM	Low	3570.00	24.01	0.252
		Middle	3625.00	24.48	0.280
		High	3680.00	24.64	0.291
	64QAM	Low	3570.00	24.04	0.254
		Middle	3625.00	24.51	0.282
		High	3680.00	24.91	0.310
	256QAM	Low	3570.00	24.30	0.269
		Middle	3625.00	24.87	0.307
		High	3680.00	24.81	0.303
Port 2	QPSK	Low	3570.00	24.02	0.252
		Middle	3625.00	24.14	0.259
		High	3680.00	24.84	0.305
	16QAM	Low	3570.00	23.91	0.246
		Middle	3625.00	24.36	0.273
		High	3680.00	24.99	0.315
	64QAM	Low	3570.00	23.85	0.243



Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
		Middle	3625.00	24.61	0.289
		High	3680.00	24.98	0.314
	256QAM	Low	3570.00	24.08	0.256
		Middle	3625.00	24.65	0.292
		High	3680.00	24.88	0.308
	Port 3	QPSK	Low	3570.00	23.97
Middle			3625.00	24.63	0.291
High			3680.00	24.66	0.292
16QAM		Low	3570.00	24.02	0.252
		Middle	3625.00	24.45	0.278
		High	3680.00	24.61	0.289
64QAM		Low	3570.00	24.10	0.257
		Middle	3625.00	24.62	0.290
		High	3680.00	24.97	0.314
256QAM		Low	3570.00	23.84	0.242
		Middle	3625.00	24.49	0.281
		High	3680.00	24.86	0.306

**Sum data of all port (10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3570.00	46.10
	Middle	3625.00	46.53
	High	3680.00	46.86
16QAM	Low	3570.00	46.00
	Middle	3625.00	46.44
	High	3680.00	46.75
64QAM	Low	3570.00	46.07
	Middle	3625.00	46.56
	High	3680.00	46.98
256QAM	Low	3570.00	46.10
	Middle	3625.00	46.63
	High	3680.00	46.88

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

## 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3575.00	24.27	0.267
		Middle	3625.00	24.56	0.286
		High	3675.00	24.86	0.306
	16QAM	Low	3575.00	23.96	0.249
		Middle	3625.00	24.30	0.269
		High	3675.00	24.81	0.303
	64QAM	Low	3575.00	24.27	0.268
		Middle	3625.00	24.41	0.276
		High	3675.00	24.93	0.311
	256QAM	Low	3575.00	24.26	0.266
		Middle	3625.00	24.71	0.296
		High	3675.00	24.89	0.308
Port 1	QPSK	Low	3575.00	24.16	0.261
		Middle	3625.00	24.65	0.292
		High	3675.00	24.79	0.301
	16QAM	Low	3575.00	24.30	0.269
		Middle	3625.00	24.51	0.282
		High	3675.00	24.53	0.284
	64QAM	Low	3575.00	24.24	0.265
		Middle	3625.00	24.70	0.295
		High	3675.00	24.88	0.308
	256QAM	Low	3575.00	24.18	0.262
		Middle	3625.00	24.50	0.282
		High	3675.00	24.90	0.309
Port 2	QPSK	Low	3575.00	24.42	0.276
		Middle	3625.00	24.07	0.255
		High	3675.00	24.93	0.311
	16QAM	Low	3575.00	24.11	0.258
		Middle	3625.00	24.53	0.284
		High	3675.00	24.90	0.309
	64QAM	Low	3575.00	24.35	0.272

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	24.62	0.290
		High	3675.00	24.94	0.312
		Low	3575.00	24.28	0.268
	256QAM	Middle	3625.00	24.68	0.294
		High	3675.00	24.91	0.310
		Low	3575.00	24.52	0.283
	QPSK	Middle	3625.00	24.79	0.301
		High	3675.00	24.93	0.311
		Low	3575.00	23.96	0.249
16QAM	Middle	3625.00	24.59	0.288	
	High	3675.00	24.73	0.297	
	Low	3575.00	24.49	0.281	
64QAM	Middle	3625.00	24.77	0.300	
	High	3675.00	24.84	0.305	
	Low	3575.00	24.35	0.272	
256QAM	Middle	3625.00	24.69	0.295	
	High	3675.00	24.83	0.304	
	Low	3575.00	24.35	0.272	

**Sum data of all port (20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3575.00	46.37
	Middle	3625.00	46.55
	High	3675.00	46.91
16QAM	Low	3575.00	46.12
	Middle	3625.00	46.52
	High	3675.00	46.77
64QAM	Low	3575.00	46.37
	Middle	3625.00	46.66
	High	3675.00	46.93
256QAM	Low	3575.00	46.30
	Middle	3625.00	46.68
	High	3675.00	46.91

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3580.00	24.52	0.283
		Middle	3625.00	24.79	0.301
		High	3670.00	24.92	0.310
	16QAM	Low	3580.00	24.21	0.264
		Middle	3625.00	24.60	0.288
		High	3670.00	24.67	0.293
	64QAM	Low	3580.00	24.33	0.271
		Middle	3625.00	24.97	0.314
		High	3670.00	24.96	0.313
	256QAM	Low	3580.00	24.32	0.271
		Middle	3625.00	24.85	0.306
		High	3670.00	24.93	0.311
Port 1	QPSK	Low	3580.00	24.17	0.261
		Middle	3625.00	24.52	0.283
		High	3670.00	24.83	0.304
	16QAM	Low	3580.00	23.88	0.245
		Middle	3625.00	24.17	0.261
		High	3670.00	24.74	0.298
	64QAM	Low	3580.00	24.55	0.285
		Middle	3625.00	24.74	0.298
		High	3670.00	24.88	0.308
	256QAM	Low	3580.00	24.46	0.279
		Middle	3625.00	24.66	0.292
		High	3670.00	24.94	0.312
Port 2	QPSK	Low	3580.00	24.48	0.280
		Middle	3625.00	24.54	0.285
		High	3670.00	24.93	0.311
	16QAM	Low	3580.00	24.18	0.262
		Middle	3625.00	24.11	0.258
		High	3670.00	24.93	0.311
	64QAM	Low	3580.00	24.51	0.282

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3	256QAM	Middle	3625.00	24.91	0.310
		High	3670.00	24.91	0.310
		Low	3580.00	24.14	0.259
		Middle	3625.00	24.62	0.290
		High	3670.00	24.88	0.307
		QPSK	Low	3580.00	24.40
	Middle		3625.00	24.51	0.282
	High		3670.00	24.85	0.305
	16QAM		Low	3580.00	24.17
		Middle	3625.00	24.43	0.277
High		3670.00	24.85	0.306	
64QAM	Low	3580.00	24.70	0.295	
	Middle	3625.00	24.75	0.299	
	High	3670.00	24.96	0.313	
256QAM	Low	3580.00	24.15	0.260	
	Middle	3625.00	24.82	0.304	
	High	3670.00	24.94	0.312	

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3580.00	46.42
	Middle	3625.00	46.62
	High	3670.00	46.91
16QAM	Low	3580.00	46.14
	Middle	3625.00	46.36
	High	3670.00	46.83
64QAM	Low	3580.00	46.56
	Middle	3625.00	46.87
	High	3670.00	46.96
256QAM	Low	3580.00	46.30
	Middle	3625.00	46.77
	High	3670.00	46.95

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results



20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3585.00	24.48	0.280
		Middle	3625.00	24.69	0.295
		High	3665.00	24.65	0.292
	16QAM	Low	3585.00	23.67	0.233
		Middle	3625.00	24.43	0.277
		High	3665.00	24.76	0.299
	64QAM	Low	3585.00	24.28	0.268
		Middle	3625.00	24.81	0.303
		High	3665.00	24.85	0.306
	256QAM	Low	3585.00	24.04	0.254
		Middle	3625.00	24.50	0.282
		High	3665.00	24.60	0.288
Port 1	QPSK	Low	3585.00	24.13	0.259
		Middle	3625.00	24.86	0.306
		High	3665.00	24.96	0.313
	16QAM	Low	3585.00	24.01	0.252
		Middle	3625.00	24.40	0.276
		High	3665.00	24.90	0.309
	64QAM	Low	3585.00	24.69	0.294
		Middle	3625.00	24.76	0.299
		High	3665.00	24.98	0.315
	256QAM	Low	3585.00	24.24	0.265
		Middle	3625.00	24.76	0.299
		High	3665.00	24.94	0.312
Port 2	QPSK	Low	3585.00	24.34	0.272
		Middle	3625.00	24.65	0.292
		High	3665.00	24.77	0.300
	16QAM	Low	3585.00	23.93	0.247
		Middle	3625.00	24.52	0.283
		High	3665.00	24.78	0.301
	64QAM	Low	3585.00	24.39	0.275

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	24.63	0.290
		High	3665.00	24.68	0.294
	256QAM	Low	3585.00	24.36	0.273
		Middle	3625.00	24.69	0.294
		High	3665.00	24.70	0.295
	QPSK	Low	3585.00	24.42	0.277
		Middle	3625.00	24.67	0.293
		High	3665.00	24.79	0.301
	16QAM	Low	3585.00	24.23	0.265
Middle		3625.00	24.83	0.304	
High		3665.00	24.70	0.295	
64QAM	Low	3585.00	24.22	0.264	
	Middle	3625.00	24.86	0.306	
	High	3665.00	24.96	0.314	
256QAM	Low	3585.00	24.54	0.285	
	Middle	3625.00	24.86	0.306	
	High	3665.00	24.91	0.309	

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3585.00	46.37
	Middle	3625.00	46.75
	High	3665.00	46.82
16QAM	Low	3585.00	46.00
	Middle	3625.00	46.58
	High	3665.00	46.82
64QAM	Low	3585.00	46.43
	Middle	3625.00	46.80
	High	3665.00	46.90
256QAM	Low	3585.00	46.33
	Middle	3625.00	46.74
	High	3665.00	46.82

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 0	QPSK	Low	3590.00	24.20	0.263
		Middle	3625.00	24.91	0.309
		High	3660.00	24.89	0.308
	16QAM	Low	3590.00	23.95	0.248
		Middle	3625.00	24.67	0.293
		High	3660.00	24.87	0.307
	64QAM	Low	3590.00	24.20	0.263
		Middle	3625.00	24.78	0.300
		High	3660.00	24.97	0.314
	256QAM	Low	3590.00	24.08	0.256
		Middle	3625.00	24.45	0.279
		High	3660.00	24.94	0.312
Port 1	QPSK	Low	3590.00	24.21	0.264
		Middle	3625.00	24.60	0.288
		High	3660.00	24.87	0.307
	16QAM	Low	3590.00	23.98	0.250
		Middle	3625.00	24.50	0.282
		High	3660.00	24.44	0.278
	64QAM	Low	3590.00	24.54	0.285
		Middle	3625.00	24.83	0.304
		High	3660.00	24.96	0.313
	256QAM	Low	3590.00	24.17	0.261
		Middle	3625.00	24.78	0.301
		High	3660.00	24.88	0.308
Port 2	QPSK	Low	3590.00	24.25	0.266
		Middle	3625.00	24.47	0.280
		High	3660.00	24.39	0.275
	16QAM	Low	3590.00	23.79	0.239
		Middle	3625.00	24.35	0.272
		High	3660.00	24.77	0.300
	64QAM	Low	3590.00	24.64	0.291

Port	Modulation	Channel	Frequency (MHz)	Output Power	
				(dBm/10 MHz)	(W)
Port 3		Middle	3625.00	24.77	0.300
		High	3660.00	24.91	0.310
	256QAM	Low	3590.00	24.24	0.266
		Middle	3625.00	24.95	0.312
		High	3660.00	24.75	0.298
	QPSK	Low	3590.00	24.36	0.273
		Middle	3625.00	24.61	0.289
		High	3660.00	24.81	0.302
	16QAM	Low	3590.00	24.20	0.263
Middle		3625.00	24.41	0.276	
High		3660.00	24.86	0.306	
64QAM	Low	3590.00	24.03	0.253	
	Middle	3625.00	24.66	0.292	
	High	3660.00	24.83	0.304	
256QAM	Low	3590.00	24.69	0.294	
	Middle	3625.00	24.93	0.311	
	High	3660.00	24.80	0.302	

**Sum data of all port (20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers)**

Modulation	Channel	Frequency (MHz)	Summed EIRP Output Power (dBm/10 MHz)
QPSK	Low	3590.00	46.28
	Middle	3625.00	46.68
	High	3660.00	46.78
16QAM	Low	3590.00	46.01
	Middle	3625.00	46.52
	High	3660.00	46.77
64QAM	Low	3590.00	46.39
	Middle	3625.00	46.79
	High	3660.00	46.95
256QAM	Low	3590.00	46.33
	Middle	3625.00	46.81
	High	3660.00	46.87

\*Note

1. Conducted Power (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted Power(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

## 6. POWER SPECTRAL DENSITY & PAPR

### FCC Rules

#### Test Requirements:

#### § 96.41 Measurements required: Power Spectral Density and PAPR

The requirements in this section apply to CBSDs and their associated End User Devices, unless otherwise specified.

(a) Digital modulation. Systems operating in the Citizens Broadband Radio Service must use digital modulation techniques.

(b) Power limits. Unless otherwise specified in this section, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table in this paragraph (b):

(g) Power measurement. The peak-to-average power ratio (PAPR) of any CBSD transmitter output power must not exceed 13 dB. PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities or another Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

#### Test Procedures:

The measurement is performed in accordance with Section 5.2.4.3.2 of ANSI C63.26.

#### Limit

##### Power Spectral Density

Device	Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/1 MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD	47	37

#### PAPR

The peak-to-average power ratio (PAPR) of any CBSD transmitter output power must not exceed 13 dB

\* **Because the results corrected by duty cycle are recorded, they do not match the test plot.**

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

**Max Power PSD Test Results for External Ant :**

10 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3555.00	18.94
		Middle	3625.00	19.54
		High	3695.00	19.27
	16QAM	Low	3555.00	19.28
		Middle	3625.00	19.32
		High	3695.00	19.14
	64QAM	Low	3555.00	18.93
		Middle	3625.00	19.73
		High	3695.00	19.63
	256QAM	Low	3555.00	19.22
		Middle	3625.00	19.32
		High	3695.00	19.27
Port 1	QPSK	Low	3555.00	19.15
		Middle	3625.00	19.40
		High	3695.00	19.79
	16QAM	Low	3555.00	19.07
		Middle	3625.00	19.18
		High	3695.00	19.37
	64QAM	Low	3555.00	19.19
		Middle	3625.00	18.73
		High	3695.00	19.03
	256QAM	Low	3555.00	19.14
		Middle	3625.00	19.55
		High	3695.00	19.60
Port 2	QPSK	Low	3555.00	19.34
		Middle	3625.00	19.01
		High	3695.00	19.11
	16QAM	Low	3555.00	19.09
		Middle	3625.00	18.96
		High	3695.00	19.23



Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
	64QAM	Low	3555.00	19.24
		Middle	3625.00	19.38
		High	3695.00	19.27
	256QAM	Low	3555.00	19.32
		Middle	3625.00	19.27
		High	3695.00	19.18
Port 3	QPSK	Low	3555.00	18.62
		Middle	3625.00	19.02
		High	3695.00	19.32
	16QAM	Low	3555.00	18.49
		Middle	3625.00	18.90
		High	3695.00	19.13
	64QAM	Low	3555.00	18.79
		Middle	3625.00	18.88
		High	3695.00	19.15
	256QAM	Low	3555.00	18.72
		Middle	3625.00	19.16
		High	3695.00	19.28

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3555.00	36.05
	Middle	3625.00	36.28
	High	3695.00	36.41
16QAM	Low	3555.00	36.02
	Middle	3625.00	36.12
	High	3695.00	36.25
64QAM	Low	3555.00	36.07
	Middle	3625.00	36.23
	High	3695.00	36.31
256QAM	Low	3555.00	36.14
	Middle	3625.00	36.36
	High	3695.00	36.36

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3560.00	18.66
		Middle	3625.00	18.80
		High	3690.00	18.90
	16QAM	Low	3560.00	18.30
		Middle	3625.00	18.76
		High	3690.00	18.96
	64QAM	Low	3560.00	18.79
		Middle	3625.00	18.95
		High	3690.00	19.20
	256QAM	Low	3560.00	18.64
		Middle	3625.00	18.81
		High	3690.00	18.86
Port 1	QPSK	Low	3560.00	18.57
		Middle	3625.00	18.96
		High	3690.00	18.93
	16QAM	Low	3560.00	18.58
		Middle	3625.00	18.84
		High	3690.00	18.92
	64QAM	Low	3560.00	18.71
		Middle	3625.00	19.06
		High	3690.00	19.22
	256QAM	Low	3560.00	18.75
		Middle	3625.00	18.78
		High	3690.00	19.08
Port 2	QPSK	Low	3560.00	18.82
		Middle	3625.00	19.04
		High	3690.00	18.89
	16QAM	Low	3560.00	18.58
		Middle	3625.00	18.96
		High	3690.00	18.94
	64QAM	Low	3560.00	18.90

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.07
		High	3690.00	19.33
	256QAM	Low	3560.00	18.80
		Middle	3625.00	19.10
		High	3690.00	19.01
Port 3	QPSK	Low	3560.00	18.92
		Middle	3625.00	19.00
		High	3690.00	18.95
	16QAM	Low	3560.00	18.48
		Middle	3625.00	18.50
		High	3690.00	19.03
	64QAM	Low	3560.00	18.91
		Middle	3625.00	19.12
		High	3690.00	19.18
	256QAM	Low	3560.00	18.73
		Middle	3625.00	18.79
		High	3690.00	19.25

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3560.00	35.78
	Middle	3625.00	35.98
	High	3690.00	35.95
16QAM	Low	3560.00	35.52
	Middle	3625.00	35.80
	High	3690.00	35.99
64QAM	Low	3560.00	35.86
	Middle	3625.00	36.08
	High	3690.00	36.26
256QAM	Low	3560.00	35.76
	Middle	3625.00	35.90
	High	3690.00	36.08

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3560.00	18.65
		Middle	3625.00	18.91
		High	3690.00	18.97
	16QAM	Low	3560.00	18.61
		Middle	3625.00	18.73
		High	3690.00	18.88
	64QAM	Low	3560.00	18.88
		Middle	3625.00	19.12
		High	3690.00	19.11
	256QAM	Low	3560.00	18.78
		Middle	3625.00	18.90
		High	3690.00	18.98
Port 1	QPSK	Low	3560.00	18.64
		Middle	3625.00	18.77
		High	3690.00	19.14
	16QAM	Low	3560.00	18.44
		Middle	3625.00	18.77
		High	3690.00	18.88
	64QAM	Low	3560.00	19.09
		Middle	3625.00	19.01
		High	3690.00	19.15
	256QAM	Low	3560.00	18.91
		Middle	3625.00	18.81
		High	3690.00	19.03
Port 2	QPSK	Low	3560.00	18.68
		Middle	3625.00	18.92
		High	3690.00	19.18
	16QAM	Low	3560.00	18.50
		Middle	3625.00	19.01
		High	3690.00	18.92
	64QAM	Low	3560.00	18.83

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.06
		High	3690.00	19.06
	256QAM	Low	3560.00	18.69
		Middle	3625.00	19.09
		High	3690.00	19.26
Port 3	QPSK	Low	3560.00	18.50
		Middle	3625.00	19.09
		High	3690.00	19.15
	16QAM	Low	3560.00	18.50
		Middle	3625.00	18.79
		High	3690.00	18.86
	64QAM	Low	3560.00	18.62
		Middle	3625.00	18.86
		High	3690.00	19.33
	256QAM	Low	3560.00	18.45
		Middle	3625.00	18.82
		High	3690.00	19.18

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3560.00	35.65
	Middle	3625.00	35.95
	High	3690.00	36.14
16QAM	Low	3560.00	35.54
	Middle	3625.00	35.86
	High	3690.00	35.91
64QAM	Low	3560.00	35.89
	Middle	3625.00	36.04
	High	3690.00	36.19
256QAM	Low	3560.00	35.74
	Middle	3625.00	35.94
	High	3690.00	36.15

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results



20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3565.00	18.89
		Middle	3625.00	19.11
		High	3685.00	19.02
	16QAM	Low	3565.00	18.54
		Middle	3625.00	18.98
		High	3685.00	19.04
	64QAM	Low	3565.00	18.80
		Middle	3625.00	19.00
		High	3685.00	19.31
	256QAM	Low	3565.00	18.83
		Middle	3625.00	19.03
		High	3685.00	19.23
Port 1	QPSK	Low	3565.00	18.71
		Middle	3625.00	18.76
		High	3685.00	19.01
	16QAM	Low	3565.00	18.59
		Middle	3625.00	18.68
		High	3685.00	18.89
	64QAM	Low	3565.00	18.90
		Middle	3625.00	19.01
		High	3685.00	19.22
	256QAM	Low	3565.00	18.78
		Middle	3625.00	18.73
		High	3685.00	18.82
Port 2	QPSK	Low	3565.00	18.71
		Middle	3625.00	18.87
		High	3685.00	19.13
	16QAM	Low	3565.00	18.66
		Middle	3625.00	18.82
		High	3685.00	18.78
	64QAM	Low	3565.00	18.74

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.11
		High	3685.00	19.13
	256QAM	Low	3565.00	18.94
		Middle	3625.00	18.89
		High	3685.00	19.10
Port 3	QPSK	Low	3565.00	18.69
		Middle	3625.00	18.96
		High	3685.00	19.23
	16QAM	Low	3565.00	18.66
		Middle	3625.00	18.78
		High	3685.00	19.08
	64QAM	Low	3565.00	18.74
		Middle	3625.00	19.12
		High	3685.00	19.39
	256QAM	Low	3565.00	18.88
		Middle	3625.00	18.76
		High	3685.00	19.26

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3565.00	35.78
	Middle	3625.00	35.96
	High	3685.00	36.13
16QAM	Low	3565.00	35.64
	Middle	3625.00	35.85
	High	3685.00	35.98
64QAM	Low	3565.00	35.83
	Middle	3625.00	36.09
	High	3685.00	36.29
256QAM	Low	3565.00	35.89
	Middle	3625.00	35.89
	High	3685.00	36.13

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3570.00	18.70
		Middle	3625.00	18.88
		High	3680.00	19.47
	16QAM	Low	3570.00	18.48
		Middle	3625.00	18.82
		High	3680.00	18.88
	64QAM	Low	3570.00	18.64
		Middle	3625.00	19.11
		High	3680.00	19.24
	256QAM	Low	3570.00	18.55
		Middle	3625.00	18.99
		High	3680.00	19.34
Port 1	QPSK	Low	3570.00	18.55
		Middle	3625.00	19.24
		High	3680.00	19.30
	16QAM	Low	3570.00	18.40
		Middle	3625.00	18.79
		High	3680.00	19.00
	64QAM	Low	3570.00	18.53
		Middle	3625.00	19.17
		High	3680.00	19.11
	256QAM	Low	3570.00	18.86
		Middle	3625.00	19.05
		High	3680.00	19.21
Port 2	QPSK	Low	3570.00	18.55
		Middle	3625.00	18.86
		High	3680.00	19.30
	16QAM	Low	3570.00	18.43
		Middle	3625.00	18.94
		High	3680.00	19.03
	64QAM	Low	3570.00	18.88

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	18.90
		High	3680.00	19.09
	256QAM	Low	3570.00	18.88
		Middle	3625.00	18.95
		High	3680.00	19.11
Port 3	QPSK	Low	3570.00	18.49
		Middle	3625.00	18.90
		High	3680.00	19.06
	16QAM	Low	3570.00	18.46
		Middle	3625.00	18.94
		High	3680.00	19.12
	64QAM	Low	3570.00	18.63
		Middle	3625.00	19.01
		High	3680.00	19.15
	256QAM	Low	3570.00	18.88
		Middle	3625.00	18.96
		High	3680.00	19.16

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3570.00	35.61
	Middle	3625.00	36.00
	High	3680.00	36.32
16QAM	Low	3570.00	35.48
	Middle	3625.00	35.90
	High	3680.00	36.04
64QAM	Low	3570.00	35.70
	Middle	3625.00	36.08
	High	3680.00	36.18
256QAM	Low	3570.00	35.83
	Middle	3625.00	36.02
	High	3680.00	36.24

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3565.00	18.89
		Middle	3625.00	19.10
		High	3685.00	19.34
	16QAM	Low	3565.00	18.69
		Middle	3625.00	18.87
		High	3685.00	19.10
	64QAM	Low	3565.00	18.82
		Middle	3625.00	19.13
		High	3685.00	19.21
	256QAM	Low	3565.00	18.84
		Middle	3625.00	18.97
		High	3685.00	19.29
Port 1	QPSK	Low	3565.00	18.59
		Middle	3625.00	19.01
		High	3685.00	18.73
	16QAM	Low	3565.00	18.87
		Middle	3625.00	18.48
		High	3685.00	18.81
	64QAM	Low	3565.00	18.83
		Middle	3625.00	18.96
		High	3685.00	19.02
	256QAM	Low	3565.00	18.96
		Middle	3625.00	18.94
		High	3685.00	19.01
Port 2	QPSK	Low	3565.00	18.74
		Middle	3625.00	18.74
		High	3685.00	19.23
	16QAM	Low	3565.00	18.67
		Middle	3625.00	18.81
		High	3685.00	18.95
	64QAM	Low	3565.00	18.75

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	18.91
		High	3685.00	19.17
	256QAM	Low	3565.00	18.80
		Middle	3625.00	18.76
		High	3685.00	19.20
Port 3	QPSK	Low	3565.00	18.65
		Middle	3625.00	18.63
		High	3685.00	19.12
	16QAM	Low	3565.00	18.41
		Middle	3625.00	18.67
		High	3685.00	18.97
	64QAM	Low	3565.00	18.86
		Middle	3625.00	18.90
		High	3685.00	19.15
	256QAM	Low	3565.00	18.63
		Middle	3625.00	18.82
		High	3685.00	19.46



**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3565.00	35.75
	Middle	3625.00	35.90
	High	3685.00	36.14
16QAM	Low	3565.00	35.69
	Middle	3625.00	35.74
	High	3685.00	35.99
64QAM	Low	3565.00	35.85
	Middle	3625.00	36.01
	High	3685.00	36.17
256QAM	Low	3565.00	35.84
	Middle	3625.00	35.90
	High	3685.00	36.28

\*Note

- Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3570.00	18.66
		Middle	3625.00	18.93
		High	3680.00	19.21
	16QAM	Low	3570.00	18.57
		Middle	3625.00	18.66
		High	3680.00	19.13
	64QAM	Low	3570.00	18.84
		Middle	3625.00	19.12
		High	3680.00	19.20
	256QAM	Low	3570.00	18.91
		Middle	3625.00	19.14
		High	3680.00	19.42
Port 1	QPSK	Low	3570.00	18.73
		Middle	3625.00	18.95
		High	3680.00	19.02
	16QAM	Low	3570.00	18.42
		Middle	3625.00	19.00
		High	3680.00	18.86
	64QAM	Low	3570.00	18.86
		Middle	3625.00	19.20
		High	3680.00	19.37
	256QAM	Low	3570.00	18.78
		Middle	3625.00	19.12
		High	3680.00	19.17
Port 2	QPSK	Low	3570.00	18.64
		Middle	3625.00	18.79
		High	3680.00	19.25
	16QAM	Low	3570.00	18.57
		Middle	3625.00	19.10
		High	3680.00	19.01
	64QAM	Low	3570.00	18.75

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	18.99
		High	3680.00	19.02
	256QAM	Low	3570.00	18.84
		Middle	3625.00	19.00
		High	3680.00	19.22
Port 3	QPSK	Low	3570.00	18.73
		Middle	3625.00	18.96
		High	3680.00	19.28
	16QAM	Low	3570.00	18.64
		Middle	3625.00	18.84
		High	3680.00	18.85
	64QAM	Low	3570.00	18.93
		Middle	3625.00	18.99
		High	3680.00	19.17
	256QAM	Low	3570.00	18.83
		Middle	3625.00	19.23
		High	3680.00	19.18

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3570.00	35.72
	Middle	3625.00	35.94
	High	3680.00	36.22
16QAM	Low	3570.00	35.58
	Middle	3625.00	35.94
	High	3680.00	36.00
64QAM	Low	3570.00	35.87
	Middle	3625.00	36.11
	High	3680.00	36.22
256QAM	Low	3570.00	35.87
	Middle	3625.00	36.15
	High	3680.00	36.28

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3575.00	18.69
		Middle	3625.00	19.30
		High	3675.00	19.31
	16QAM	Low	3575.00	18.73
		Middle	3625.00	18.92
		High	3675.00	19.08
	64QAM	Low	3575.00	18.99
		Middle	3625.00	19.12
		High	3675.00	19.23
	256QAM	Low	3575.00	18.93
		Middle	3625.00	18.99
		High	3675.00	19.35
Port 1	QPSK	Low	3575.00	18.75
		Middle	3625.00	19.21
		High	3675.00	19.57
	16QAM	Low	3575.00	18.89
		Middle	3625.00	18.82
		High	3675.00	18.92
	64QAM	Low	3575.00	18.65
		Middle	3625.00	19.07
		High	3675.00	19.36
	256QAM	Low	3575.00	18.98
		Middle	3625.00	18.97
		High	3675.00	19.31
Port 2	QPSK	Low	3575.00	18.71
		Middle	3625.00	19.58
		High	3675.00	19.32
	16QAM	Low	3575.00	18.77
		Middle	3625.00	18.97
		High	3675.00	19.15
	64QAM	Low	3575.00	18.94

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.14
		High	3675.00	19.37
	256QAM	Low	3575.00	19.04
		Middle	3625.00	19.21
		High	3675.00	19.46
Port 3	QPSK	Low	3575.00	18.72
		Middle	3625.00	19.21
		High	3675.00	19.49
	16QAM	Low	3575.00	18.61
		Middle	3625.00	18.95
		High	3675.00	19.44
	64QAM	Low	3575.00	18.62
		Middle	3625.00	19.23
		High	3675.00	19.35
	256QAM	Low	3575.00	18.86
		Middle	3625.00	19.31
		High	3675.00	19.36

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3575.00	35.75
	Middle	3625.00	36.36
	High	3675.00	36.45
16QAM	Low	3575.00	35.78
	Middle	3625.00	35.95
	High	3675.00	36.18
64QAM	Low	3575.00	35.83
	Middle	3625.00	36.17
	High	3675.00	36.36
256QAM	Low	3575.00	35.98
	Middle	3625.00	36.15
	High	3675.00	36.40

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

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

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3580.00	18.77
		Middle	3625.00	18.55
		High	3670.00	19.16
	16QAM	Low	3580.00	18.71
		Middle	3625.00	18.65
		High	3670.00	18.52
	64QAM	Low	3580.00	18.74
		Middle	3625.00	18.84
		High	3670.00	19.08
	256QAM	Low	3580.00	18.56
		Middle	3625.00	19.03
		High	3670.00	18.65
Port 1	QPSK	Low	3580.00	18.85
		Middle	3625.00	18.96
		High	3670.00	19.20
	16QAM	Low	3580.00	18.60
		Middle	3625.00	18.60
		High	3670.00	18.92
	64QAM	Low	3580.00	18.57
		Middle	3625.00	19.08
		High	3670.00	19.15
	256QAM	Low	3580.00	18.72
		Middle	3625.00	19.26
		High	3670.00	19.12
Port 2	QPSK	Low	3580.00	18.72
		Middle	3625.00	19.27
		High	3670.00	18.88
	16QAM	Low	3580.00	18.82
		Middle	3625.00	19.15
		High	3670.00	19.05
	64QAM	Low	3580.00	18.92



Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	18.97
		High	3670.00	19.55
	256QAM	Low	3580.00	18.73
		Middle	3625.00	19.28
		High	3670.00	19.10
Port 3	QPSK	Low	3580.00	18.62
		Middle	3625.00	19.02
		High	3670.00	19.01
	16QAM	Low	3580.00	18.63
		Middle	3625.00	18.66
		High	3670.00	19.10
	64QAM	Low	3580.00	18.84
		Middle	3625.00	19.10
		High	3670.00	19.12
	256QAM	Low	3580.00	18.77
		Middle	3625.00	19.13
		High	3670.00	19.34

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3580.00	35.77
	Middle	3625.00	35.99
	High	3670.00	36.10
16QAM	Low	3580.00	35.72
	Middle	3625.00	35.80
	High	3670.00	35.94
64QAM	Low	3580.00	35.80
	Middle	3625.00	36.03
	High	3670.00	36.26
256QAM	Low	3580.00	35.72
	Middle	3625.00	36.21
	High	3670.00	36.09

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3570.00	18.66
		Middle	3625.00	19.02
		High	3680.00	19.11
	16QAM	Low	3570.00	18.66
		Middle	3625.00	18.52
		High	3680.00	18.92
	64QAM	Low	3570.00	18.95
		Middle	3625.00	18.86
		High	3680.00	19.18
	256QAM	Low	3570.00	18.77
		Middle	3625.00	18.97
		High	3680.00	19.25
Port 1	QPSK	Low	3570.00	18.90
		Middle	3625.00	19.01
		High	3680.00	19.02
	16QAM	Low	3570.00	18.48
		Middle	3625.00	18.99
		High	3680.00	18.90
	64QAM	Low	3570.00	18.79
		Middle	3625.00	19.02
		High	3680.00	18.98
	256QAM	Low	3570.00	18.98
		Middle	3625.00	19.03
		High	3680.00	18.88
Port 2	QPSK	Low	3570.00	18.43
		Middle	3625.00	18.87
		High	3680.00	19.11
	16QAM	Low	3570.00	18.36
		Middle	3625.00	18.80
		High	3680.00	18.86
	64QAM	Low	3570.00	18.74

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.00
		High	3680.00	19.17
	256QAM	Low	3570.00	18.51
		Middle	3625.00	19.02
		High	3680.00	19.06
Port 3	QPSK	Low	3570.00	18.68
		Middle	3625.00	19.19
		High	3680.00	19.30
	16QAM	Low	3570.00	18.64
		Middle	3625.00	18.79
		High	3680.00	19.03
	64QAM	Low	3570.00	18.64
		Middle	3625.00	19.05
		High	3680.00	19.16
	256QAM	Low	3570.00	18.69
		Middle	3625.00	19.03
		High	3680.00	19.09

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3570.00	35.70
	Middle	3625.00	36.05
	High	3680.00	36.17
16QAM	Low	3570.00	35.57
	Middle	3625.00	35.81
	High	3680.00	35.96
64QAM	Low	3570.00	35.81
	Middle	3625.00	36.01
	High	3680.00	36.15
256QAM	Low	3570.00	35.77
	Middle	3625.00	36.04
	High	3680.00	36.10

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3575.00	19.04
		Middle	3625.00	18.99
		High	3675.00	19.40
	16QAM	Low	3575.00	18.49
		Middle	3625.00	18.94
		High	3675.00	19.21
	64QAM	Low	3575.00	18.93
		Middle	3625.00	19.23
		High	3675.00	19.46
	256QAM	Low	3575.00	18.64
		Middle	3625.00	19.15
		High	3675.00	19.40
Port 1	QPSK	Low	3575.00	18.82
		Middle	3625.00	19.32
		High	3675.00	19.56
	16QAM	Low	3575.00	18.82
		Middle	3625.00	18.88
		High	3675.00	19.04
	64QAM	Low	3575.00	19.03
		Middle	3625.00	19.16
		High	3675.00	19.37
	256QAM	Low	3575.00	19.06
		Middle	3625.00	19.10
		High	3675.00	19.51
Port 2	QPSK	Low	3575.00	18.76
		Middle	3625.00	19.15
		High	3675.00	19.40
	16QAM	Low	3575.00	18.43
		Middle	3625.00	18.71
		High	3675.00	18.95
	64QAM	Low	3575.00	19.00

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.06
		High	3675.00	19.32
	256QAM	Low	3575.00	18.88
		Middle	3625.00	19.10
		High	3675.00	19.35
Port 3	QPSK	Low	3575.00	18.78
		Middle	3625.00	19.29
		High	3675.00	19.30
	16QAM	Low	3575.00	18.54
		Middle	3625.00	18.79
		High	3675.00	19.05
	64QAM	Low	3575.00	18.78
		Middle	3625.00	19.05
		High	3675.00	19.57
	256QAM	Low	3575.00	19.07
		Middle	3625.00	19.16
		High	3675.00	19.17

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3575.00	35.88
	Middle	3625.00	36.22
	High	3675.00	36.45
16QAM	Low	3575.00	35.60
	Middle	3625.00	35.86
	High	3675.00	36.09
64QAM	Low	3575.00	35.97
	Middle	3625.00	36.16
	High	3675.00	36.46
256QAM	Low	3575.00	35.95
	Middle	3625.00	36.16
	High	3675.00	36.39

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results



20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3580.00	18.49
		Middle	3625.00	19.30
		High	3670.00	19.56
	16QAM	Low	3580.00	18.50
		Middle	3625.00	18.82
		High	3670.00	19.40
	64QAM	Low	3580.00	18.59
		Middle	3625.00	18.93
		High	3670.00	19.21
	256QAM	Low	3580.00	18.80
		Middle	3625.00	19.16
		High	3670.00	19.36
Port 1	QPSK	Low	3580.00	18.57
		Middle	3625.00	19.06
		High	3670.00	19.41
	16QAM	Low	3580.00	18.62
		Middle	3625.00	18.94
		High	3670.00	19.08
	64QAM	Low	3580.00	18.68
		Middle	3625.00	19.11
		High	3670.00	19.04
	256QAM	Low	3580.00	18.74
		Middle	3625.00	19.00
		High	3670.00	19.15
Port 2	QPSK	Low	3580.00	18.65
		Middle	3625.00	19.20
		High	3670.00	19.45
	16QAM	Low	3580.00	18.51
		Middle	3625.00	18.89
		High	3670.00	18.86
	64QAM	Low	3580.00	18.78

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.14
		High	3670.00	19.18
	256QAM	Low	3580.00	18.82
		Middle	3625.00	19.11
		High	3670.00	19.58
Port 3	QPSK	Low	3580.00	18.53
		Middle	3625.00	19.03
		High	3670.00	19.24
	16QAM	Low	3580.00	18.47
		Middle	3625.00	19.01
		High	3670.00	18.97
	64QAM	Low	3580.00	18.60
		Middle	3625.00	18.83
		High	3670.00	19.02
	256QAM	Low	3580.00	19.13
		Middle	3625.00	18.94
		High	3670.00	19.31

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3580.00	35.59
	Middle	3625.00	36.18
	High	3670.00	36.45
16QAM	Low	3580.00	35.56
	Middle	3625.00	35.95
	High	3670.00	36.11
64QAM	Low	3580.00	35.69
	Middle	3625.00	36.03
	High	3670.00	36.14
256QAM	Low	3580.00	35.90
	Middle	3625.00	36.08
	High	3670.00	36.39

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3585.00	18.96
		Middle	3625.00	18.81
		High	3665.00	19.14
	16QAM	Low	3585.00	18.52
		Middle	3625.00	18.70
		High	3665.00	18.97
	64QAM	Low	3585.00	18.97
		Middle	3625.00	18.92
		High	3665.00	19.20
	256QAM	Low	3585.00	18.94
		Middle	3625.00	19.13
		High	3665.00	19.24
Port 1	QPSK	Low	3585.00	18.86
		Middle	3625.00	18.98
		High	3665.00	19.22
	16QAM	Low	3585.00	18.62
		Middle	3625.00	18.93
		High	3665.00	19.05
	64QAM	Low	3585.00	18.80
		Middle	3625.00	19.17
		High	3665.00	19.36
	256QAM	Low	3585.00	18.75
		Middle	3625.00	19.37
		High	3665.00	19.54
Port 2	QPSK	Low	3585.00	18.89
		Middle	3625.00	19.01
		High	3665.00	19.09
	16QAM	Low	3585.00	18.48
		Middle	3625.00	18.75
		High	3665.00	19.11
	64QAM	Low	3585.00	18.91

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.01
		High	3665.00	19.09
	256QAM	Low	3585.00	19.04
		Middle	3625.00	18.91
		High	3665.00	19.13
Port 3	QPSK	Low	3585.00	18.77
		Middle	3625.00	19.17
		High	3665.00	19.30
	16QAM	Low	3585.00	18.57
		Middle	3625.00	18.76
		High	3665.00	18.97
	64QAM	Low	3585.00	18.90
		Middle	3625.00	19.25
		High	3665.00	19.31
	256QAM	Low	3585.00	18.96
		Middle	3625.00	19.23
		High	3665.00	19.21

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3585.00	35.90
	Middle	3625.00	36.02
	High	3665.00	36.22
16QAM	Low	3585.00	35.58
	Middle	3625.00	35.82
	High	3665.00	36.05
64QAM	Low	3585.00	35.93
	Middle	3625.00	36.12
	High	3665.00	36.27
256QAM	Low	3585.00	35.96
	Middle	3625.00	36.19
	High	3665.00	36.31

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3590.00	19.06
		Middle	3625.00	19.26
		High	3660.00	19.04
	16QAM	Low	3590.00	18.60
		Middle	3625.00	18.76
		High	3660.00	18.94
	64QAM	Low	3590.00	18.96
		Middle	3625.00	19.08
		High	3660.00	19.23
	256QAM	Low	3590.00	18.91
		Middle	3625.00	18.97
		High	3660.00	19.27
Port 1	QPSK	Low	3590.00	18.91
		Middle	3625.00	19.20
		High	3660.00	19.08
	16QAM	Low	3590.00	18.72
		Middle	3625.00	19.01
		High	3660.00	18.87
	64QAM	Low	3590.00	18.84
		Middle	3625.00	19.33
		High	3660.00	18.97
	256QAM	Low	3590.00	18.80
		Middle	3625.00	19.10
		High	3660.00	19.30
Port 2	QPSK	Low	3590.00	18.89
		Middle	3625.00	18.85
		High	3660.00	19.06
	16QAM	Low	3590.00	18.78
		Middle	3625.00	18.81
		High	3660.00	18.86
	64QAM	Low	3590.00	18.70

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	19.05
		High	3660.00	19.05
	256QAM	Low	3590.00	19.09
		Middle	3625.00	19.19
		High	3660.00	18.86
Port 3	QPSK	Low	3590.00	18.83
		Middle	3625.00	18.99
		High	3660.00	19.17
	16QAM	Low	3590.00	18.95
		Middle	3625.00	19.18
		High	3660.00	18.86
	64QAM	Low	3590.00	19.29
		Middle	3625.00	19.06
		High	3660.00	19.12
	256QAM	Low	3590.00	18.81
		Middle	3625.00	19.09
		High	3660.00	18.93



**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3590.00	35.95
	Middle	3625.00	36.10
	High	3660.00	36.12
16QAM	Low	3590.00	35.80
	Middle	3625.00	35.97
	High	3660.00	35.92
64QAM	Low	3590.00	35.98
	Middle	3625.00	36.16
	High	3660.00	36.12
256QAM	Low	3590.00	35.93
	Middle	3625.00	36.12
	High	3660.00	36.12

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

**Max Power PSD Test Results for Clip-on Ant :**

10 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3555.00	14.08
		Middle	3625.00	14.44
		High	3695.00	14.99
	16QAM	Low	3555.00	13.49
		Middle	3625.00	14.43
		High	3695.00	14.80
	64QAM	Low	3555.00	13.76
		Middle	3625.00	14.35
		High	3695.00	14.91
	256QAM	Low	3555.00	13.65
		Middle	3625.00	14.58
		High	3695.00	14.93
Port 1	QPSK	Low	3555.00	13.63
		Middle	3625.00	14.32
		High	3695.00	14.91
	16QAM	Low	3555.00	13.47
		Middle	3625.00	14.15
		High	3695.00	14.67
	64QAM	Low	3555.00	13.85
		Middle	3625.00	14.51
		High	3695.00	14.71
	256QAM	Low	3555.00	13.81
		Middle	3625.00	14.44
		High	3695.00	14.81
Port 2	QPSK	Low	3555.00	13.58
		Middle	3625.00	14.21
		High	3695.00	14.66
	16QAM	Low	3555.00	13.47
		Middle	3625.00	14.29
		High	3695.00	14.68

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
	64QAM	Low	3555.00	13.60
		Middle	3625.00	14.49
		High	3695.00	14.96
	256QAM	Low	3555.00	13.51
		Middle	3625.00	14.51
		High	3695.00	14.91
Port 3	QPSK	Low	3555.00	13.63
		Middle	3625.00	14.69
		High	3695.00	14.89
	16QAM	Low	3555.00	13.48
		Middle	3625.00	14.26
		High	3695.00	14.80
	64QAM	Low	3555.00	13.63
		Middle	3625.00	14.51
		High	3695.00	14.99
	256QAM	Low	3555.00	13.71
		Middle	3625.00	14.48
		High	3695.00	14.89

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3555.00	35.77
	Middle	3625.00	36.45
	High	3695.00	36.89
16QAM	Low	3555.00	35.51
	Middle	3625.00	36.32
	High	3695.00	36.77
64QAM	Low	3555.00	35.74
	Middle	3625.00	36.49
	High	3695.00	36.92
256QAM	Low	3555.00	35.70
	Middle	3625.00	36.53
	High	3695.00	36.92

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3560.00	13.94
		Middle	3625.00	14.36
		High	3690.00	14.85
	16QAM	Low	3560.00	13.63
		Middle	3625.00	14.16
		High	3690.00	14.91
	64QAM	Low	3560.00	13.66
		Middle	3625.00	14.48
		High	3690.00	14.94
	256QAM	Low	3560.00	13.77
		Middle	3625.00	14.32
		High	3690.00	14.99
Port 1	QPSK	Low	3560.00	13.49
		Middle	3625.00	14.33
		High	3690.00	14.97
	16QAM	Low	3560.00	13.53
		Middle	3625.00	14.26
		High	3690.00	14.56
	64QAM	Low	3560.00	13.77
		Middle	3625.00	14.55
		High	3690.00	14.97
	256QAM	Low	3560.00	13.78
		Middle	3625.00	14.56
		High	3690.00	14.95
Port 2	QPSK	Low	3560.00	13.76
		Middle	3625.00	14.75
		High	3690.00	14.87
	16QAM	Low	3560.00	13.60
		Middle	3625.00	14.28
		High	3690.00	14.95
	64QAM	Low	3560.00	13.93

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.78
		High	3690.00	14.93
	256QAM	Low	3560.00	13.98
		Middle	3625.00	14.70
		High	3690.00	14.96
Port 3	QPSK	Low	3560.00	13.89
		Middle	3625.00	14.74
		High	3690.00	14.94
	16QAM	Low	3560.00	13.60
		Middle	3625.00	14.30
		High	3690.00	14.96
	64QAM	Low	3560.00	13.76
		Middle	3625.00	14.63
		High	3690.00	14.74
	256QAM	Low	3560.00	13.58
		Middle	3625.00	14.67
		High	3690.00	14.88

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3560.00	35.80
	Middle	3625.00	36.58
	High	3690.00	36.94
16QAM	Low	3560.00	35.62
	Middle	3625.00	36.28
	High	3690.00	36.88
64QAM	Low	3560.00	35.81
	Middle	3625.00	36.64
	High	3690.00	36.92
256QAM	Low	3560.00	35.81
	Middle	3625.00	36.59
	High	3690.00	36.97

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3560.00	13.73
		Middle	3625.00	14.31
		High	3690.00	14.90
	16QAM	Low	3560.00	13.57
		Middle	3625.00	14.03
		High	3690.00	14.35
	64QAM	Low	3560.00	13.84
		Middle	3625.00	14.17
		High	3690.00	14.81
	256QAM	Low	3560.00	13.73
		Middle	3625.00	14.27
		High	3690.00	14.77
Port 1	QPSK	Low	3560.00	13.86
		Middle	3625.00	14.33
		High	3690.00	14.95
	16QAM	Low	3560.00	13.57
		Middle	3625.00	14.12
		High	3690.00	14.80
	64QAM	Low	3560.00	13.78
		Middle	3625.00	14.62
		High	3690.00	14.80
	256QAM	Low	3560.00	13.84
		Middle	3625.00	14.80
		High	3690.00	14.85
Port 2	QPSK	Low	3560.00	13.58
		Middle	3625.00	14.38
		High	3690.00	14.75
	16QAM	Low	3560.00	13.50
		Middle	3625.00	14.13
		High	3690.00	14.43
	64QAM	Low	3560.00	13.78



Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.56
		High	3690.00	14.79
	256QAM	Low	3560.00	13.59
		Middle	3625.00	14.45
		High	3690.00	14.94
Port 3	QPSK	Low	3560.00	13.90
		Middle	3625.00	14.67
		High	3690.00	14.87
	16QAM	Low	3560.00	13.54
		Middle	3625.00	14.30
		High	3690.00	14.90
	64QAM	Low	3560.00	13.93
		Middle	3625.00	14.55
		High	3690.00	14.96
	256QAM	Low	3560.00	13.88
		Middle	3625.00	14.63
		High	3690.00	14.87

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3560.00	35.80
	Middle	3625.00	36.46
	High	3690.00	36.90
16QAM	Low	3560.00	35.57
	Middle	3625.00	36.18
	High	3690.00	36.66
64QAM	Low	3560.00	35.86
	Middle	3625.00	36.51
	High	3690.00	36.87
256QAM	Low	3560.00	35.79
	Middle	3625.00	36.57
	High	3690.00	36.89

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3565.00	13.54
		Middle	3625.00	14.54
		High	3685.00	14.97
	16QAM	Low	3565.00	13.64
		Middle	3625.00	14.30
		High	3685.00	14.95
	64QAM	Low	3565.00	13.68
		Middle	3625.00	14.76
		High	3685.00	14.95
	256QAM	Low	3565.00	13.85
		Middle	3625.00	14.52
		High	3685.00	14.88
Port 1	QPSK	Low	3565.00	13.78
		Middle	3625.00	14.39
		High	3685.00	14.74
	16QAM	Low	3565.00	13.49
		Middle	3625.00	14.34
		High	3685.00	14.51
	64QAM	Low	3565.00	14.01
		Middle	3625.00	14.76
		High	3685.00	14.85
	256QAM	Low	3565.00	13.90
		Middle	3625.00	14.65
		High	3685.00	14.96
Port 2	QPSK	Low	3565.00	13.67
		Middle	3625.00	14.52
		High	3685.00	14.82
	16QAM	Low	3565.00	13.72
		Middle	3625.00	14.13
		High	3685.00	14.90
	64QAM	Low	3565.00	13.99

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.76
		High	3685.00	14.92
	256QAM	Low	3565.00	14.01
		Middle	3625.00	14.82
		High	3685.00	14.96
Port 3	QPSK	Low	3565.00	13.81
		Middle	3625.00	14.82
		High	3685.00	14.82
	16QAM	Low	3565.00	13.62
		Middle	3625.00	14.37
		High	3685.00	14.91
	64QAM	Low	3565.00	14.15
		Middle	3625.00	14.80
		High	3685.00	14.95
	256QAM	Low	3565.00	14.04
		Middle	3625.00	14.83
		High	3685.00	14.90

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3565.00	35.73
	Middle	3625.00	36.60
	High	3685.00	36.87
16QAM	Low	3565.00	35.65
	Middle	3625.00	36.32
	High	3685.00	36.85
64QAM	Low	3565.00	35.99
	Middle	3625.00	36.80
	High	3685.00	36.95
256QAM	Low	3565.00	35.98
	Middle	3625.00	36.73
	High	3685.00	36.95

\*Note

- Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3570.00	14.30
		Middle	3625.00	14.52
		High	3680.00	14.97
	16QAM	Low	3570.00	14.06
		Middle	3625.00	14.54
		High	3680.00	14.91
	64QAM	Low	3570.00	14.15
		Middle	3625.00	14.48
		High	3680.00	14.79
	256QAM	Low	3570.00	14.14
		Middle	3625.00	14.71
		High	3680.00	14.87
Port 1	QPSK	Low	3570.00	14.24
		Middle	3625.00	14.40
		High	3680.00	14.72
	16QAM	Low	3570.00	14.06
		Middle	3625.00	14.42
		High	3680.00	14.73
	64QAM	Low	3570.00	14.26
		Middle	3625.00	14.98
		High	3680.00	14.90
	256QAM	Low	3570.00	14.01
		Middle	3625.00	14.71
		High	3680.00	14.92
Port 2	QPSK	Low	3570.00	14.42
		Middle	3625.00	14.73
		High	3680.00	14.97
	16QAM	Low	3570.00	14.03
		Middle	3625.00	14.43
		High	3680.00	14.85
	64QAM	Low	3570.00	14.37

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.46
		High	3680.00	14.88
	256QAM	Low	3570.00	14.33
		Middle	3625.00	14.66
		High	3680.00	14.83
Port 3	QPSK	Low	3570.00	14.42
		Middle	3625.00	14.74
		High	3680.00	14.89
	16QAM	Low	3570.00	14.08
		Middle	3625.00	14.55
		High	3680.00	14.71
	64QAM	Low	3570.00	14.21
		Middle	3625.00	14.87
		High	3680.00	14.96
	256QAM	Low	3570.00	14.38
		Middle	3625.00	14.65
		High	3680.00	14.95

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3570.00	36.38
	Middle	3625.00	36.63
	High	3680.00	36.92
16QAM	Low	3570.00	36.09
	Middle	3625.00	36.52
	High	3680.00	36.83
64QAM	Low	3570.00	36.28
	Middle	3625.00	36.73
	High	3680.00	36.92
256QAM	Low	3570.00	36.25
	Middle	3625.00	36.71
	High	3680.00	36.92

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results



10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3565.00	13.61
		Middle	3625.00	14.45
		High	3685.00	14.93
	16QAM	Low	3565.00	13.57
		Middle	3625.00	14.38
		High	3685.00	14.88
	64QAM	Low	3565.00	13.99
		Middle	3625.00	14.73
		High	3685.00	14.95
	256QAM	Low	3565.00	13.67
		Middle	3625.00	14.70
		High	3685.00	14.92
Port 1	QPSK	Low	3565.00	13.75
		Middle	3625.00	14.50
		High	3685.00	14.73
	16QAM	Low	3565.00	13.55
		Middle	3625.00	14.45
		High	3685.00	14.81
	64QAM	Low	3565.00	13.79
		Middle	3625.00	14.59
		High	3685.00	14.96
	256QAM	Low	3565.00	13.90
		Middle	3625.00	14.49
		High	3685.00	14.94
Port 2	QPSK	Low	3565.00	13.88
		Middle	3625.00	14.55
		High	3685.00	14.74
	16QAM	Low	3565.00	13.61
		Middle	3625.00	14.37
		High	3685.00	14.64
	64QAM	Low	3565.00	13.92

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.71
		High	3685.00	14.95
	256QAM	Low	3565.00	13.91
		Middle	3625.00	14.48
		High	3685.00	14.99
Port 3	QPSK	Low	3565.00	13.80
		Middle	3625.00	14.46
		High	3685.00	14.96
	16QAM	Low	3565.00	13.81
		Middle	3625.00	14.54
		High	3685.00	14.74
	64QAM	Low	3565.00	13.75
		Middle	3625.00	14.48
		High	3685.00	14.99
	256QAM	Low	3565.00	13.61
		Middle	3625.00	14.61
		High	3685.00	14.88

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3565.00	35.79
	Middle	3625.00	36.52
	High	3685.00	36.87
16QAM	Low	3565.00	35.67
	Middle	3625.00	36.47
	High	3685.00	36.80
64QAM	Low	3565.00	35.89
	Middle	3625.00	36.66
	High	3685.00	36.99
256QAM	Low	3565.00	35.80
	Middle	3625.00	36.60
	High	3685.00	36.96

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3570.00	14.03
		Middle	3625.00	14.51
		High	3680.00	14.72
	16QAM	Low	3570.00	14.06
		Middle	3625.00	14.39
		High	3680.00	14.65
	64QAM	Low	3570.00	14.17
		Middle	3625.00	14.62
		High	3680.00	14.92
	256QAM	Low	3570.00	14.26
		Middle	3625.00	14.50
		High	3680.00	14.73
Port 1	QPSK	Low	3570.00	14.11
		Middle	3625.00	14.36
		High	3680.00	14.84
	16QAM	Low	3570.00	13.98
		Middle	3625.00	14.30
		High	3680.00	14.62
	64QAM	Low	3570.00	14.14
		Middle	3625.00	14.61
		High	3680.00	14.89
	256QAM	Low	3570.00	13.95
		Middle	3625.00	14.48
		High	3680.00	14.99
Port 2	QPSK	Low	3570.00	13.93
		Middle	3625.00	14.47
		High	3680.00	14.90
	16QAM	Low	3570.00	13.92
		Middle	3625.00	14.29
		High	3680.00	14.76
	64QAM	Low	3570.00	14.16

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.34
		High	3680.00	14.92
	256QAM	Low	3570.00	14.09
		Middle	3625.00	14.29
		High	3680.00	14.94
Port 3	QPSK	Low	3570.00	14.38
		Middle	3625.00	14.75
		High	3680.00	14.92
	16QAM	Low	3570.00	14.11
		Middle	3625.00	14.58
		High	3680.00	14.98
	64QAM	Low	3570.00	14.49
		Middle	3625.00	14.77
		High	3680.00	14.89
	256QAM	Low	3570.00	14.64
		Middle	3625.00	14.78
		High	3680.00	14.92

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3570.00	36.15
	Middle	3625.00	36.55
	High	3680.00	36.88
16QAM	Low	3570.00	36.05
	Middle	3625.00	36.42
	High	3680.00	36.78
64QAM	Low	3570.00	36.27
	Middle	3625.00	36.62
	High	3680.00	36.94
256QAM	Low	3570.00	36.27
	Middle	3625.00	36.55
	High	3680.00	36.93

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3575.00	14.01
		Middle	3625.00	14.41
		High	3675.00	14.92
	16QAM	Low	3575.00	13.98
		Middle	3625.00	14.25
		High	3675.00	14.89
	64QAM	Low	3575.00	14.14
		Middle	3625.00	14.70
		High	3675.00	14.99
	256QAM	Low	3575.00	14.16
		Middle	3625.00	14.58
		High	3675.00	14.98
Port 1	QPSK	Low	3575.00	14.35
		Middle	3625.00	14.41
		High	3675.00	14.77
	16QAM	Low	3575.00	14.03
		Middle	3625.00	14.19
		High	3675.00	14.23
	64QAM	Low	3575.00	14.21
		Middle	3625.00	14.70
		High	3675.00	14.75
	256QAM	Low	3575.00	14.25
		Middle	3625.00	14.56
		High	3675.00	14.93
Port 2	QPSK	Low	3575.00	14.40
		Middle	3625.00	14.31
		High	3675.00	14.64
	16QAM	Low	3575.00	14.21
		Middle	3625.00	14.25
		High	3675.00	14.89
	64QAM	Low	3575.00	14.20

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.70
		High	3675.00	14.96
	256QAM	Low	3575.00	14.24
		Middle	3625.00	14.47
		High	3675.00	14.92
Port 3	QPSK	Low	3575.00	14.12
		Middle	3625.00	14.19
		High	3675.00	14.83
	16QAM	Low	3575.00	13.93
		Middle	3625.00	14.13
		High	3675.00	14.79
	64QAM	Low	3575.00	14.53
		Middle	3625.00	14.51
		High	3675.00	14.92
	256QAM	Low	3575.00	14.33
		Middle	3625.00	14.28
		High	3675.00	14.94



**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3575.00	36.25
	Middle	3625.00	36.36
	High	3675.00	36.82
16QAM	Low	3575.00	36.07
	Middle	3625.00	36.23
	High	3675.00	36.74
64QAM	Low	3575.00	36.30
	Middle	3625.00	36.68
	High	3675.00	36.94
256QAM	Low	3575.00	36.27
	Middle	3625.00	36.50
	High	3675.00	36.97

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

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

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3580.00	14.27
		Middle	3625.00	14.53
		High	3670.00	14.57
	16QAM	Low	3580.00	14.08
		Middle	3625.00	14.36
		High	3670.00	14.66
	64QAM	Low	3580.00	14.35
		Middle	3625.00	14.63
		High	3670.00	14.44
	256QAM	Low	3580.00	14.18
		Middle	3625.00	14.70
		High	3670.00	14.61
Port 1	QPSK	Low	3580.00	14.26
		Middle	3625.00	14.51
		High	3670.00	14.71
	16QAM	Low	3580.00	14.15
		Middle	3625.00	14.31
		High	3670.00	14.60
	64QAM	Low	3580.00	14.67
		Middle	3625.00	14.71
		High	3670.00	14.64
	256QAM	Low	3580.00	14.07
		Middle	3625.00	14.54
		High	3670.00	14.65
Port 2	QPSK	Low	3580.00	14.13
		Middle	3625.00	14.71
		High	3670.00	14.82
	16QAM	Low	3580.00	14.45
		Middle	3625.00	14.33
		High	3670.00	14.57
	64QAM	Low	3580.00	14.39

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.67
		High	3670.00	14.91
	256QAM	Low	3580.00	14.31
		Middle	3625.00	14.74
		High	3670.00	14.87
Port 3	QPSK	Low	3580.00	14.17
		Middle	3625.00	14.68
		High	3670.00	14.83
	16QAM	Low	3580.00	13.78
		Middle	3625.00	14.57
		High	3670.00	14.87
	64QAM	Low	3580.00	14.19
		Middle	3625.00	14.66
		High	3670.00	14.63
	256QAM	Low	3580.00	14.20
		Middle	3625.00	14.67
		High	3670.00	14.78

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3580.00	36.24
	Middle	3625.00	36.64
	High	3670.00	36.76
16QAM	Low	3580.00	36.15
	Middle	3625.00	36.43
	High	3670.00	36.70
64QAM	Low	3580.00	36.43
	Middle	3625.00	36.69
	High	3670.00	36.69
256QAM	Low	3580.00	36.22
	Middle	3625.00	36.69
	High	3670.00	36.76

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3570.00	14.39
		Middle	3625.00	14.78
		High	3680.00	14.93
	16QAM	Low	3570.00	13.94
		Middle	3625.00	14.35
		High	3680.00	14.64
	64QAM	Low	3570.00	14.15
		Middle	3625.00	14.37
		High	3680.00	14.93
	256QAM	Low	3570.00	14.07
		Middle	3625.00	14.36
		High	3680.00	14.86
Port 1	QPSK	Low	3570.00	13.87
		Middle	3625.00	14.43
		High	3680.00	14.88
	16QAM	Low	3570.00	14.01
		Middle	3625.00	14.48
		High	3680.00	14.64
	64QAM	Low	3570.00	14.04
		Middle	3625.00	14.51
		High	3680.00	14.91
	256QAM	Low	3570.00	14.30
		Middle	3625.00	14.87
		High	3680.00	14.81
Port 2	QPSK	Low	3570.00	14.02
		Middle	3625.00	14.14
		High	3680.00	14.84
	16QAM	Low	3570.00	13.91
		Middle	3625.00	14.36
		High	3680.00	14.99
	64QAM	Low	3570.00	13.85

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.61
		High	3680.00	14.98
	256QAM	Low	3570.00	14.08
		Middle	3625.00	14.65
		High	3680.00	14.88
Port 3	QPSK	Low	3570.00	13.97
		Middle	3625.00	14.63
		High	3680.00	14.66
	16QAM	Low	3570.00	14.02
		Middle	3625.00	14.45
		High	3680.00	14.61
	64QAM	Low	3570.00	14.10
		Middle	3625.00	14.62
		High	3680.00	14.97
	256QAM	Low	3570.00	13.84
		Middle	3625.00	14.49
		High	3680.00	14.86

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3570.00	36.10
	Middle	3625.00	36.53
	High	3680.00	36.86
16QAM	Low	3570.00	36.00
	Middle	3625.00	36.44
	High	3680.00	36.75
64QAM	Low	3570.00	36.07
	Middle	3625.00	36.56
	High	3680.00	36.98
256QAM	Low	3570.00	36.10
	Middle	3625.00	36.63
	High	3680.00	36.88

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3575.00	14.27
		Middle	3625.00	14.56
		High	3675.00	14.86
	16QAM	Low	3575.00	13.96
		Middle	3625.00	14.30
		High	3675.00	14.81
	64QAM	Low	3575.00	14.27
		Middle	3625.00	14.41
		High	3675.00	14.93
	256QAM	Low	3575.00	14.26
		Middle	3625.00	14.71
		High	3675.00	14.89
Port 1	QPSK	Low	3575.00	14.16
		Middle	3625.00	14.65
		High	3675.00	14.79
	16QAM	Low	3575.00	14.30
		Middle	3625.00	14.51
		High	3675.00	14.53
	64QAM	Low	3575.00	14.24
		Middle	3625.00	14.70
		High	3675.00	14.88
	256QAM	Low	3575.00	14.18
		Middle	3625.00	14.50
		High	3675.00	14.90
Port 2	QPSK	Low	3575.00	14.42
		Middle	3625.00	14.07
		High	3675.00	14.93
	16QAM	Low	3575.00	14.11
		Middle	3625.00	14.53
		High	3675.00	14.90
	64QAM	Low	3575.00	14.35



Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.62
		High	3675.00	14.94
	256QAM	Low	3575.00	14.28
		Middle	3625.00	14.68
		High	3675.00	14.91
Port 3	QPSK	Low	3575.00	14.52
		Middle	3625.00	14.79
		High	3675.00	14.93
	16QAM	Low	3575.00	13.96
		Middle	3625.00	14.59
		High	3675.00	14.73
	64QAM	Low	3575.00	14.49
		Middle	3625.00	14.77
		High	3675.00	14.84
	256QAM	Low	3575.00	14.35
		Middle	3625.00	14.69
		High	3675.00	14.83

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3575.00	36.37
	Middle	3625.00	36.55
	High	3675.00	36.91
16QAM	Low	3575.00	36.12
	Middle	3625.00	36.52
	High	3675.00	36.77
64QAM	Low	3575.00	36.37
	Middle	3625.00	36.66
	High	3675.00	36.93
256QAM	Low	3575.00	36.30
	Middle	3625.00	36.68
	High	3675.00	36.91

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3580.00	14.52
		Middle	3625.00	14.79
		High	3670.00	14.92
	16QAM	Low	3580.00	14.21
		Middle	3625.00	14.60
		High	3670.00	14.67
	64QAM	Low	3580.00	14.33
		Middle	3625.00	14.97
		High	3670.00	14.96
	256QAM	Low	3580.00	14.32
		Middle	3625.00	14.85
		High	3670.00	14.93
Port 1	QPSK	Low	3580.00	14.17
		Middle	3625.00	14.52
		High	3670.00	14.83
	16QAM	Low	3580.00	13.88
		Middle	3625.00	14.17
		High	3670.00	14.74
	64QAM	Low	3580.00	14.55
		Middle	3625.00	14.74
		High	3670.00	14.88
	256QAM	Low	3580.00	14.46
		Middle	3625.00	14.66
		High	3670.00	14.94
Port 2	QPSK	Low	3580.00	14.48
		Middle	3625.00	14.54
		High	3670.00	14.93
	16QAM	Low	3580.00	14.18
		Middle	3625.00	14.11
		High	3670.00	14.93
	64QAM	Low	3580.00	14.51

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.91
		High	3670.00	14.91
	256QAM	Low	3580.00	14.14
		Middle	3625.00	14.62
		High	3670.00	14.88
Port 3	QPSK	Low	3580.00	14.40
		Middle	3625.00	14.51
		High	3670.00	14.85
	16QAM	Low	3580.00	14.17
		Middle	3625.00	14.43
		High	3670.00	14.85
	64QAM	Low	3580.00	14.70
		Middle	3625.00	14.75
		High	3670.00	14.96
	256QAM	Low	3580.00	14.15
		Middle	3625.00	14.82
		High	3670.00	14.94

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3580.00	36.42
	Middle	3625.00	36.62
	High	3670.00	36.91
16QAM	Low	3580.00	36.14
	Middle	3625.00	36.36
	High	3670.00	36.83
64QAM	Low	3580.00	36.56
	Middle	3625.00	36.87
	High	3670.00	36.96
256QAM	Low	3580.00	36.30
	Middle	3625.00	36.77
	High	3670.00	36.95

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3585.00	14.48
		Middle	3625.00	14.69
		High	3665.00	14.65
	16QAM	Low	3585.00	13.67
		Middle	3625.00	14.43
		High	3665.00	14.76
	64QAM	Low	3585.00	14.28
		Middle	3625.00	14.81
		High	3665.00	14.85
	256QAM	Low	3585.00	14.04
		Middle	3625.00	14.50
		High	3665.00	14.60
Port 1	QPSK	Low	3585.00	14.13
		Middle	3625.00	14.86
		High	3665.00	14.96
	16QAM	Low	3585.00	14.01
		Middle	3625.00	14.40
		High	3665.00	14.90
	64QAM	Low	3585.00	14.69
		Middle	3625.00	14.76
		High	3665.00	14.98
	256QAM	Low	3585.00	14.24
		Middle	3625.00	14.76
		High	3665.00	14.94
Port 2	QPSK	Low	3585.00	14.34
		Middle	3625.00	14.65
		High	3665.00	14.77
	16QAM	Low	3585.00	13.93
		Middle	3625.00	14.52
		High	3665.00	14.78
	64QAM	Low	3585.00	14.39

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.63
		High	3665.00	14.68
	256QAM	Low	3585.00	14.36
		Middle	3625.00	14.69
		High	3665.00	14.70
Port 3	QPSK	Low	3585.00	14.42
		Middle	3625.00	14.67
		High	3665.00	14.79
	16QAM	Low	3585.00	14.23
		Middle	3625.00	14.83
		High	3665.00	14.70
	64QAM	Low	3585.00	14.22
		Middle	3625.00	14.86
		High	3665.00	14.96
	256QAM	Low	3585.00	14.54
		Middle	3625.00	14.86
		High	3665.00	14.91

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3585.00	36.37
	Middle	3625.00	36.75
	High	3665.00	36.82
16QAM	Low	3585.00	36.00
	Middle	3625.00	36.58
	High	3665.00	36.82
64QAM	Low	3585.00	36.43
	Middle	3625.00	36.80
	High	3665.00	36.90
256QAM	Low	3585.00	36.33
	Middle	3625.00	36.74
	High	3665.00	36.82

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results



20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
Port 0	QPSK	Low	3590.00	14.20
		Middle	3625.00	14.91
		High	3660.00	14.89
	16QAM	Low	3590.00	13.95
		Middle	3625.00	14.67
		High	3660.00	14.87
	64QAM	Low	3590.00	14.20
		Middle	3625.00	14.78
		High	3660.00	14.97
	256QAM	Low	3590.00	14.08
		Middle	3625.00	14.45
		High	3660.00	14.94
Port 1	QPSK	Low	3590.00	14.21
		Middle	3625.00	14.60
		High	3660.00	14.87
	16QAM	Low	3590.00	13.98
		Middle	3625.00	14.50
		High	3660.00	14.44
	64QAM	Low	3590.00	14.54
		Middle	3625.00	14.83
		High	3660.00	14.96
	256QAM	Low	3590.00	14.17
		Middle	3625.00	14.78
		High	3660.00	14.88
Port 2	QPSK	Low	3590.00	14.25
		Middle	3625.00	14.47
		High	3660.00	14.39
	16QAM	Low	3590.00	13.79
		Middle	3625.00	14.35
		High	3660.00	14.77
	64QAM	Low	3590.00	14.64

Port	Modulation	Channel	Frequency (MHz)	PSD
				(dBm/MHz)
		Middle	3625.00	14.77
		High	3660.00	14.91
	256QAM	Low	3590.00	14.24
		Middle	3625.00	14.95
		High	3660.00	14.75
Port 3	QPSK	Low	3590.00	14.36
		Middle	3625.00	14.61
		High	3660.00	14.81
	16QAM	Low	3590.00	14.20
		Middle	3625.00	14.41
		High	3660.00	14.86
	64QAM	Low	3590.00	14.03
		Middle	3625.00	14.66
		High	3660.00	14.83
	256QAM	Low	3590.00	14.69
		Middle	3625.00	14.93
		High	3660.00	14.80

**Sum data of all port**

Modulation	Channel	Frequency (MHz)	Summed EIRP PSD (dBm/MHz)
QPSK	Low	3590.00	36.28
	Middle	3625.00	36.68
	High	3660.00	36.78
16QAM	Low	3590.00	36.01
	Middle	3625.00	36.52
	High	3660.00	36.77
64QAM	Low	3590.00	36.39
	Middle	3625.00	36.79
	High	3660.00	36.95
256QAM	Low	3590.00	36.33
	Middle	3625.00	36.81
	High	3660.00	36.87

\*Note

1. Conducted PSD (Port1+Port3)+Antenna Gain(Port1+Port3)+Conducted PSD(Port2+Port4)  
+Antenna Gain(Port2+Port4) = Results

**Tabular data of PAPR\_Max Power for External Ant**

10 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 0	QPSK	Low	3555.00	8.19
		Middle	3625.00	8.19
		High	3695.00	8.20
	16QAM	Low	3555.00	8.39
		Middle	3625.00	8.42
		High	3695.00	8.37
	64QAM	Low	3555.00	8.13
		Middle	3625.00	8.05
		High	3695.00	8.22
	256QAM	Low	3555.00	8.13
		Middle	3625.00	8.16
		High	3695.00	8.03
Port 1	QPSK	Low	3555.00	8.22
		Middle	3625.00	8.07
		High	3695.00	8.07
	16QAM	Low	3555.00	8.33
		Middle	3625.00	8.34
		High	3695.00	8.39
	64QAM	Low	3555.00	8.13
		Middle	3625.00	8.12
		High	3695.00	8.15
	256QAM	Low	3555.00	8.01
		Middle	3625.00	7.99
		High	3695.00	8.02
Port 2	QPSK	Low	3555.00	8.23
		Middle	3625.00	8.15
		High	3695.00	8.17
	16QAM	Low	3555.00	8.37
		Middle	3625.00	8.35
		High	3695.00	8.37
	64QAM	Low	3555.00	8.16

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
		Middle	3625.00	8.15
		High	3695.00	8.11
	256QAM	Low	3555.00	8.10
		Middle	3625.00	8.10
		High	3695.00	8.02
Port 3	QPSK	Low	3555.00	8.21
		Middle	3625.00	8.12
		High	3695.00	8.13
	16QAM	Low	3555.00	8.48
		Middle	3625.00	8.47
		High	3695.00	8.47
	64QAM	Low	3555.00	8.13
		Middle	3625.00	8.14
		High	3695.00	8.05
	256QAM	Low	3555.00	8.09
		Middle	3625.00	8.08
		High	3695.00	8.10

20 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 0	QPSK	Low	3560.00	8.12
		Middle	3625.00	8.15
		High	3690.00	8.13
	16QAM	Low	3560.00	8.37
		Middle	3625.00	8.28
		High	3690.00	8.35
	64QAM	Low	3560.00	8.10
		Middle	3625.00	8.06
		High	3690.00	8.07
	256QAM	Low	3560.00	8.12
		Middle	3625.00	8.13
		High	3690.00	8.15
Port 1	QPSK	Low	3560.00	8.21
		Middle	3625.00	8.18
		High	3690.00	8.18
	16QAM	Low	3560.00	8.44
		Middle	3625.00	8.42
		High	3690.00	8.42
	64QAM	Low	3560.00	8.18
		Middle	3625.00	8.15
		High	3690.00	8.23
	256QAM	Low	3560.00	8.11
		Middle	3625.00	8.09
		High	3690.00	8.02
Port 2	QPSK	Low	3560.00	8.15
		Middle	3625.00	8.17
		High	3690.00	8.16
	16QAM	Low	3560.00	8.46
		Middle	3625.00	8.41
		High	3690.00	8.47
	64QAM	Low	3560.00	8.14
		Middle	3625.00	8.17

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
	256QAM	High	3690.00	8.18
		Low	3560.00	8.18
		Middle	3625.00	8.14
		High	3690.00	8.10
Port 3	QPSK	Low	3560.00	8.15
		Middle	3625.00	8.13
		High	3690.00	8.14
	16QAM	Low	3560.00	8.48
		Middle	3625.00	8.47
		High	3690.00	8.46
	64QAM	Low	3560.00	8.13
		Middle	3625.00	8.13
		High	3690.00	8.16
	256QAM	Low	3560.00	8.16
		Middle	3625.00	8.13
		High	3690.00	8.11

10 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 0	QPSK	Low	3560.00	8.09
		Middle	3625.00	8.14
		High	3690.00	8.13
	16QAM	Low	3560.00	8.14
		Middle	3625.00	8.31
		High	3690.00	8.30
	64QAM	Low	3560.00	8.13
		Middle	3625.00	8.06
		High	3690.00	8.15
	256QAM	Low	3560.00	8.04
		Middle	3625.00	8.06
		High	3690.00	8.06
Port 1	QPSK	Low	3560.00	8.09
		Middle	3625.00	8.10
		High	3690.00	8.08
	16QAM	Low	3560.00	8.35
		Middle	3625.00	8.33
		High	3690.00	8.34
	64QAM	Low	3560.00	8.11
		Middle	3625.00	8.13
		High	3690.00	8.12
	256QAM	Low	3560.00	8.09
		Middle	3625.00	8.08
		High	3690.00	8.07
Port 2	QPSK	Low	3560.00	8.11
		Middle	3625.00	8.07
		High	3690.00	8.09
	16QAM	Low	3560.00	8.39
		Middle	3625.00	8.36
		High	3690.00	8.42
	64QAM	Low	3560.00	8.05
		Middle	3625.00	8.16



Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
	256QAM	High	3690.00	8.45
		Low	3560.00	8.08
		Middle	3625.00	8.13
		High	3690.00	8.06
Port 3	QPSK	Low	3560.00	8.17
		Middle	3625.00	8.18
		High	3690.00	8.13
	16QAM	Low	3560.00	8.46
		Middle	3625.00	8.50
		High	3690.00	8.47
	64QAM	Low	3560.00	8.19
		Middle	3625.00	8.17
		High	3690.00	8.13
	256QAM	Low	3560.00	8.12
		Middle	3625.00	8.10
		High	3690.00	8.11

20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
Port 0	QPSK	Low	3565.00	9.91	9.33
		Middle	3625.00	9.57	9.51
		High	3685.00	10.01	9.54
	16QAM	Low	3565.00	9.51	9.51
		Middle	3625.00	9.33	9.51
		High	3685.00	9.64	9.31
	64QAM	Low	3565.00	9.71	9.27
		Middle	3625.00	8.98	9.70
		High	3685.00	9.31	9.49
	256QAM	Low	3565.00	9.78	9.28
		Middle	3625.00	9.54	9.85
		High	3685.00	9.10	9.75
Port 1	QPSK	Low	3565.00	9.78	9.26
		Middle	3625.00	9.36	9.57
		High	3685.00	9.55	9.26
	16QAM	Low	3565.00	9.73	9.66
		Middle	3625.00	9.54	9.78
		High	3685.00	9.47	9.86
	64QAM	Low	3565.00	9.51	9.42
		Middle	3625.00	9.05	9.73
		High	3685.00	8.73	9.88
	256QAM	Low	3565.00	9.26	9.14
		Middle	3625.00	9.49	9.31
		High	3685.00	9.72	9.22
Port 2	QPSK	Low	3565.00	9.56	9.62
		Middle	3625.00	9.45	9.41
		High	3685.00	9.38	9.62
	16QAM	Low	3565.00	9.78	9.59
		Middle	3625.00	8.87	9.81
		High	3685.00	10.04	9.30
	64QAM	Low	3565.00	9.63	9.51
		Middle	3625.00	9.29	9.81

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
	256QAM	High	3685.00	9.45	9.71
		Low	3565.00	9.39	9.62
		Middle	3625.00	9.93	9.27
		High	3685.00	8.80	9.31
Port 3	QPSK	Low	3565.00	9.45	9.28
		Middle	3625.00	9.32	9.41
		High	3685.00	9.17	9.54
	16QAM	Low	3565.00	8.94	9.60
		Middle	3625.00	9.63	9.62
		High	3685.00	10.11	9.52
	64QAM	Low	3565.00	9.45	9.13
		Middle	3625.00	9.59	8.98
		High	3685.00	9.00	9.78
	256QAM	Low	3565.00	9.47	9.22
		Middle	3625.00	9.63	9.32
		High	3685.00	8.43	8.47

20 MHz Bandwidth + 20 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
Port 0	QPSK	Low	3570.00	8.89	8.97
		Middle	3625.00	9.45	9.99
		High	3680.00	10.14	9.28
	16QAM	Low	3570.00	9.38	9.37
		Middle	3625.00	9.36	9.67
		High	3680.00	9.40	9.17
	64QAM	Low	3570.00	9.00	8.97
		Middle	3625.00	9.53	9.53
		High	3680.00	9.43	9.87
	256QAM	Low	3570.00	9.54	9.44
		Middle	3625.00	9.73	8.67
		High	3680.00	9.64	9.35
Port 1	QPSK	Low	3570.00	9.89	9.29
		Middle	3625.00	9.18	9.20
		High	3680.00	9.09	9.35
	16QAM	Low	3570.00	9.51	9.50
		Middle	3625.00	9.35	9.10
		High	3680.00	9.54	9.57
	64QAM	Low	3570.00	9.87	9.25
		Middle	3625.00	9.37	9.17
		High	3680.00	9.55	9.10
	256QAM	Low	3570.00	9.31	9.69
		Middle	3625.00	9.84	9.73
		High	3680.00	9.02	9.68
Port 2	QPSK	Low	3570.00	9.75	9.20
		Middle	3625.00	9.00	10.05
		High	3680.00	9.32	9.60
	16QAM	Low	3570.00	9.83	9.46
		Middle	3625.00	9.25	9.76
		High	3680.00	9.68	9.61
	64QAM	Low	3570.00	9.31	9.57
		Middle	3625.00	9.69	9.51

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
	256QAM	High	3680.00	9.78	8.83
		Low	3570.00	9.39	9.06
		Middle	3625.00	9.53	9.81
		High	3680.00	9.43	9.37
Port 3	QPSK	Low	3570.00	9.41	10.05
		Middle	3625.00	9.74	9.64
		High	3680.00	9.14	9.40
	16QAM	Low	3570.00	9.51	9.42
		Middle	3625.00	9.02	9.49
		High	3680.00	9.83	9.77
	64QAM	Low	3570.00	9.35	9.43
		Middle	3625.00	9.23	9.75
		High	3680.00	9.56	8.81
	256QAM	Low	3570.00	9.51	9.34
		Middle	3625.00	9.56	9.43
		High	3680.00	9.85	8.95

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
Port 0	QPSK	Low	3565.00	9.64	9.34	9.60
		Middle	3625.00	9.18	9.64	9.35
		High	3685.00	9.16	9.15	9.34
	16QAM	Low	3565.00	9.62	9.96	9.31
		Middle	3625.00	9.59	9.84	9.39
		High	3685.00	9.57	9.55	9.33
	64QAM	Low	3565.00	9.21	9.69	9.35
		Middle	3625.00	9.74	9.16	9.72
		High	3685.00	9.11	9.81	9.15
	256QAM	Low	3565.00	9.44	9.68	9.25
		Middle	3625.00	9.28	9.46	9.42
		High	3685.00	9.56	9.42	9.67
Port 1	QPSK	Low	3565.00	9.27	9.81	9.78
		Middle	3625.00	9.20	9.15	9.77
		High	3685.00	9.08	9.35	9.44
	16QAM	Low	3565.00	9.57	9.90	9.46
		Middle	3625.00	9.18	9.73	9.39
		High	3685.00	9.61	9.45	9.89
	64QAM	Low	3565.00	9.30	9.41	9.55
		Middle	3625.00	9.65	9.71	9.41
		High	3685.00	9.40	9.12	9.44
	256QAM	Low	3565.00	9.53	9.39	9.71
		Middle	3625.00	9.42	8.98	9.38
		High	3685.00	9.32	9.18	9.14
Port 2	QPSK	Low	3565.00	9.47	9.70	9.11
		Middle	3625.00	9.23	9.08	9.68
		High	3685.00	9.59	9.47	9.20
	16QAM	Low	3565.00	9.50	9.73	9.25
		Middle	3625.00	9.87	9.64	9.44
		High	3685.00	9.45	9.67	9.53
	64QAM	Low	3565.00	9.55	9.20	9.56

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
		Middle	3625.00	9.69	9.54	9.38
		High	3685.00	9.15	9.62	9.26
	256QAM	Low	3565.00	9.07	9.97	9.36
		Middle	3625.00	8.82	9.40	9.66
		High	3685.00	9.53	9.31	9.56
Port 3	QPSK	Low	3565.00	9.17	9.20	9.31
		Middle	3625.00	9.38	9.56	9.46
		High	3685.00	9.25	9.55	9.17
	16QAM	Low	3565.00	9.42	9.59	9.92
		Middle	3625.00	9.94	9.30	9.85
		High	3685.00	9.87	9.42	9.65
	64QAM	Low	3565.00	9.64	9.35	9.18
		Middle	3625.00	9.28	9.52	9.53
		High	3685.00	9.52	9.67	9.22
	256QAM	Low	3565.00	9.08	9.37	9.64
		Middle	3625.00	9.22	9.50	9.76
		High	3685.00	9.48	9.82	9.26

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
Port 0	QPSK	Low	3570.00	9.56	9.54	9.20
		Middle	3625.00	9.25	9.57	9.62
		High	3680.00	9.22	9.59	9.23
	16QAM	Low	3570.00	9.04	9.80	9.93
		Middle	3625.00	9.47	10.03	9.57
		High	3680.00	9.10	9.61	9.71
	64QAM	Low	3570.00	9.27	9.53	9.06
		Middle	3625.00	10.05	9.97	9.33
		High	3680.00	9.22	9.40	9.22
	256QAM	Low	3570.00	9.53	9.05	9.51
		Middle	3625.00	9.77	9.24	9.47
		High	3680.00	9.43	9.63	9.49
Port 1	QPSK	Low	3570.00	9.82	9.18	8.92
		Middle	3625.00	9.09	9.08	9.66
		High	3680.00	9.67	9.08	9.44
	16QAM	Low	3570.00	9.69	9.56	9.84
		Middle	3625.00	9.90	9.10	9.52
		High	3680.00	9.22	9.85	9.79
	64QAM	Low	3570.00	9.35	9.35	9.55
		Middle	3625.00	8.95	9.72	9.05
		High	3680.00	9.39	9.27	9.68
	256QAM	Low	3570.00	9.04	9.23	9.32
		Middle	3625.00	9.41	9.34	9.49
		High	3680.00	9.46	9.34	9.41
Port 2	QPSK	Low	3570.00	9.98	9.12	9.87
		Middle	3625.00	9.76	9.47	9.70
		High	3680.00	9.51	9.33	9.52
	16QAM	Low	3570.00	9.87	9.86	9.51
		Middle	3625.00	9.74	10.07	9.26
		High	3680.00	9.99	9.56	9.49
	64QAM	Low	3570.00	9.05	9.62	9.02



Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
		Middle	3625.00	8.92	9.59	9.06
		High	3680.00	9.57	9.65	9.60
	256QAM	Low	3570.00	9.48	9.28	9.26
		Middle	3625.00	9.46	9.53	9.61
		High	3680.00	9.44	9.77	9.28
Port 3	QPSK	Low	3570.00	9.21	8.90	9.46
		Middle	3625.00	9.73	9.29	9.47
		High	3680.00	9.24	9.65	9.05
	16QAM	Low	3570.00	9.68	10.13	9.33
		Middle	3625.00	9.74	9.40	9.78
		High	3680.00	9.31	9.61	9.51
	64QAM	Low	3570.00	9.59	10.17	9.52
		Middle	3625.00	9.69	9.58	9.78
		High	3680.00	8.93	9.49	9.66
	256QAM	Low	3570.00	10.01	9.57	10.03
		Middle	3625.00	9.46	9.65	9.45
		High	3680.00	8.96	9.61	9.00

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
Port 0	QPSK	Low	3575.00	9.52	9.52	9.47
		Middle	3625.00	9.47	9.66	9.28
		High	3675.00	9.03	9.21	9.38
	16QAM	Low	3575.00	9.66	9.61	9.65
		Middle	3625.00	9.36	9.64	9.75
		High	3675.00	9.74	9.80	9.57
	64QAM	Low	3575.00	9.51	9.08	9.75
		Middle	3625.00	9.37	9.04	9.24
		High	3675.00	9.45	9.31	9.44
	256QAM	Low	3575.00	9.63	9.42	9.47
		Middle	3625.00	9.53	9.11	9.45
		High	3675.00	9.81	9.63	9.53
Port 1	QPSK	Low	3575.00	9.62	9.54	9.45
		Middle	3625.00	9.02	8.87	9.58
		High	3675.00	9.61	9.70	9.23
	16QAM	Low	3575.00	9.20	9.33	9.22
		Middle	3625.00	9.63	9.32	9.86
		High	3675.00	9.81	9.69	9.39
	64QAM	Low	3575.00	9.03	9.09	9.64
		Middle	3625.00	9.50	10.21	9.49
		High	3675.00	9.51	9.03	9.52
	256QAM	Low	3575.00	9.08	9.17	9.58
		Middle	3625.00	9.24	9.69	9.34
		High	3675.00	9.61	9.88	9.40
Port 2	QPSK	Low	3575.00	9.58	9.45	9.10
		Middle	3625.00	9.97	9.17	9.45
		High	3675.00	8.81	9.37	9.41
	16QAM	Low	3575.00	10.05	9.88	9.56
		Middle	3625.00	9.57	9.55	9.48
		High	3675.00	9.34	9.58	9.38
	64QAM	Low	3575.00	9.61	9.67	9.43

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
		Middle	3625.00	9.79	9.50	9.69
		High	3675.00	8.99	9.52	9.41
	256QAM	Low	3575.00	9.59	9.23	9.29
		Middle	3625.00	9.69	9.01	9.49
		High	3675.00	9.23	9.21	9.68
Port 3	QPSK	Low	3575.00	9.35	9.19	9.56
		Middle	3625.00	9.34	9.49	9.45
		High	3675.00	9.31	9.52	9.00
	16QAM	Low	3575.00	9.75	9.54	9.98
		Middle	3625.00	9.69	9.78	9.51
		High	3675.00	9.61	9.66	9.84
	64QAM	Low	3575.00	9.66	9.80	9.26
		Middle	3625.00	9.33	9.55	9.66
		High	3675.00	9.70	10.06	9.76
	256QAM	Low	3575.00	9.43	9.21	9.39
		Middle	3625.00	9.67	9.90	9.33
		High	3675.00	9.55	9.93	9.32

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

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
Port 0	QPSK	Low	3580.00	9.28	9.75	9.73
		Middle	3625.00	9.85	10.02	9.15
		High	3670.00	9.76	9.48	9.89
	16QAM	Low	3580.00	9.59	9.04	9.91
		Middle	3625.00	9.43	9.63	9.82
		High	3670.00	9.67	9.56	9.46
	64QAM	Low	3580.00	9.61	9.31	9.58
		Middle	3625.00	10.15	9.12	9.44
		High	3670.00	9.60	9.71	8.56
	256QAM	Low	3580.00	9.03	9.23	8.86
		Middle	3625.00	9.62	9.14	8.87
		High	3670.00	9.34	9.46	9.59
Port 1	QPSK	Low	3580.00	9.90	9.29	9.51
		Middle	3625.00	9.85	9.49	9.36
		High	3670.00	9.29	9.55	8.94
	16QAM	Low	3580.00	9.48	9.60	9.69
		Middle	3625.00	9.62	9.51	9.69
		High	3670.00	9.44	9.45	9.56
	64QAM	Low	3580.00	9.93	9.64	9.04
		Middle	3625.00	9.36	9.59	9.98
		High	3670.00	10.01	9.32	9.20
	256QAM	Low	3580.00	9.36	9.74	9.87
		Middle	3625.00	8.94	9.85	9.58
		High	3670.00	9.70	10.43	9.15
Port 2	QPSK	Low	3580.00	9.34	9.56	9.07
		Middle	3625.00	9.18	9.19	9.48
		High	3670.00	8.93	9.50	9.92
	16QAM	Low	3580.00	9.55	9.80	9.67
		Middle	3625.00	9.15	9.57	9.98
		High	3670.00	9.20	9.76	9.62
	64QAM	Low	3580.00	8.67	9.44	9.81

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
		Middle	3625.00	9.83	9.21	9.58
		High	3670.00	9.17	9.40	9.30
	256QAM	Low	3580.00	10.18	9.24	9.56
		Middle	3625.00	9.49	9.72	9.12
		High	3670.00	9.54	9.14	9.40
Port 3	QPSK	Low	3580.00	9.23	9.58	9.04
		Middle	3625.00	9.24	9.47	9.49
		High	3670.00	9.80	9.21	9.59
	16QAM	Low	3580.00	9.62	9.64	9.90
		Middle	3625.00	9.57	9.88	9.29
		High	3670.00	9.54	9.60	9.47
	64QAM	Low	3580.00	9.64	8.97	9.46
		Middle	3625.00	9.49	9.48	9.79
		High	3670.00	9.36	9.48	9.27
	256QAM	Low	3580.00	9.84	9.23	9.31
		Middle	3625.00	9.71	9.27	9.48
		High	3670.00	9.78	9.25	9.61

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3570.00	9.68	9.32	9.62	9.58
		Middle	3625.00	9.46	9.60	9.80	9.77
		High	3680.00	9.70	8.79	9.25	9.56
	16QAM	Low	3570.00	9.55	9.82	9.41	9.75
		Middle	3625.00	9.60	9.54	9.65	9.91
		High	3680.00	9.59	9.87	9.38	9.73
	64QAM	Low	3570.00	9.60	9.35	9.62	9.71
		Middle	3625.00	9.24	9.44	9.47	9.47
		High	3680.00	9.48	9.23	9.39	9.52
	256QAM	Low	3570.00	9.18	9.55	9.80	9.32
		Middle	3625.00	9.45	9.24	9.37	9.62
		High	3680.00	9.55	9.46	9.84	9.02
Port 1	QPSK	Low	3570.00	9.28	9.81	9.69	9.21
		Middle	3625.00	9.64	9.36	9.77	9.16
		High	3680.00	9.63	9.27	9.60	9.36
	16QAM	Low	3570.00	9.66	9.56	9.67	9.46
		Middle	3625.00	9.72	9.75	9.68	9.46
		High	3680.00	9.64	9.18	9.65	9.43
	64QAM	Low	3570.00	9.39	9.36	9.81	9.38
		Middle	3625.00	9.60	9.49	9.52	9.26
		High	3680.00	9.33	9.87	9.23	9.43
	256QAM	Low	3570.00	9.55	9.16	9.50	9.87
		Middle	3625.00	9.52	9.64	9.73	9.16
		High	3680.00	9.36	9.47	9.28	9.56
Port 2	QPSK	Low	3570.00	9.41	9.37	9.65	9.40
		Middle	3625.00	8.99	9.59	9.47	9.72
		High	3680.00	9.22	9.39	9.75	9.81
	16QAM	Low	3570.00	9.07	9.70	9.47	9.65
		Middle	3625.00	9.77	9.34	9.87	9.55
		High	3680.00	9.42	9.81	9.35	10.00
	64QAM	Low	3570.00	9.77	9.48	9.74	9.33

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	9.53	9.86	9.37	8.92
		High	3680.00	9.46	9.57	9.48	9.81
	256QAM	Low	3570.00	9.77	9.61	9.38	9.70
		Middle	3625.00	9.64	9.06	9.23	9.88
		High	3680.00	9.25	9.75	9.18	10.11
Port 3	QPSK	Low	3570.00	9.47	9.40	9.46	9.66
		Middle	3625.00	9.29	9.52	9.57	9.46
		High	3680.00	9.47	9.31	9.76	9.49
	16QAM	Low	3570.00	9.80	9.20	9.91	9.17
		Middle	3625.00	9.91	9.45	9.64	9.92
		High	3680.00	9.48	9.79	9.62	9.82
	64QAM	Low	3570.00	9.57	9.66	9.28	9.37
		Middle	3625.00	9.60	9.72	9.61	9.47
		High	3680.00	9.69	9.93	9.44	9.57
	256QAM	Low	3570.00	9.31	9.48	9.37	9.49
		Middle	3625.00	9.52	9.76	9.34	9.33
		High	3680.00	9.13	9.60	9.63	9.36

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3570.00	9.44	9.60	9.53	9.52
		Middle	3625.00	9.38	9.79	9.56	9.62
		High	3680.00	9.66	9.58	9.22	9.49
	16QAM	Low	3570.00	9.84	9.43	9.52	9.30
		Middle	3625.00	9.71	9.62	9.76	9.31
		High	3680.00	9.63	9.57	9.14	9.90
	64QAM	Low	3570.00	8.88	9.63	9.73	9.84
		Middle	3625.00	8.99	8.97	9.50	9.45
		High	3680.00	9.36	9.19	9.83	9.25
	256QAM	Low	3570.00	9.40	9.28	9.21	9.48
		Middle	3625.00	9.30	9.64	9.26	9.75
		High	3680.00	9.01	9.67	9.14	9.22
Port 1	QPSK	Low	3570.00	9.55	9.25	9.60	9.40
		Middle	3625.00	9.20	9.53	9.40	9.79
		High	3680.00	9.57	9.85	9.01	9.56
	16QAM	Low	3570.00	8.90	9.59	9.20	9.51
		Middle	3625.00	9.93	9.53	9.56	9.43
		High	3680.00	9.78	9.58	9.59	9.47
	64QAM	Low	3570.00	9.14	9.58	9.73	9.37
		Middle	3625.00	9.52	9.45	9.47	9.32
		High	3680.00	9.84	9.25	9.19	9.71
	256QAM	Low	3570.00	9.44	9.60	9.30	9.44
		Middle	3625.00	9.69	9.22	9.30	9.38
		High	3680.00	9.34	9.78	9.58	9.08
Port 2	QPSK	Low	3570.00	8.90	9.62	9.28	9.64
		Middle	3625.00	9.93	9.84	9.39	9.73
		High	3680.00	9.53	9.74	9.23	9.65
	16QAM	Low	3570.00	9.46	9.61	9.45	9.90
		Middle	3625.00	10.33	9.56	9.95	9.37
		High	3680.00	9.52	9.33	9.59	9.83
	64QAM	Low	3570.00	9.51	9.35	9.65	9.32



Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	9.16	9.34	9.63	9.44
		High	3680.00	9.31	9.75	9.51	9.60
	256QAM	Low	3570.00	8.57	9.72	8.93	9.51
		Middle	3625.00	9.22	9.82	9.10	9.67
		High	3680.00	9.62	10.01	9.54	9.07
Port 3	QPSK	Low	3570.00	9.83	9.20	9.85	9.41
		Middle	3625.00	9.53	9.58	9.26	9.38
		High	3680.00	9.36	9.78	9.50	9.22
	16QAM	Low	3570.00	9.41	9.71	9.53	9.75
		Middle	3625.00	9.89	9.34	9.55	9.55
		High	3680.00	9.66	9.15	9.71	9.80
	64QAM	Low	3570.00	9.12	9.11	9.65	9.43
		Middle	3625.00	9.04	9.60	9.27	9.47
		High	3680.00	8.99	9.87	9.60	9.22
	256QAM	Low	3570.00	9.34	9.63	9.38	9.43
		Middle	3625.00	9.69	9.47	9.64	9.80
		High	3680.00	9.49	9.01	9.86	9.71

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3570.00	9.28	9.56	9.66	9.52
		Middle	3625.00	9.26	9.82	9.67	9.54
		High	3680.00	9.28	9.51	9.18	9.72
	16QAM	Low	3570.00	9.02	9.61	9.77	9.85
		Middle	3625.00	10.05	9.75	9.49	9.34
		High	3680.00	10.09	9.56	9.32	9.68
	64QAM	Low	3570.00	9.44	9.28	9.62	9.39
		Middle	3625.00	9.56	9.78	9.27	9.66
		High	3680.00	9.68	9.58	9.46	9.37
	256QAM	Low	3570.00	9.42	9.35	9.77	9.25
		Middle	3625.00	9.42	9.73	9.04	9.57
		High	3680.00	9.72	9.77	10.09	9.72
Port 1	QPSK	Low	3570.00	9.73	9.34	9.25	9.41
		Middle	3625.00	9.57	9.67	9.46	9.22
		High	3680.00	9.60	9.52	9.67	9.54
	16QAM	Low	3570.00	9.58	9.42	9.83	9.67
		Middle	3625.00	10.15	9.89	9.42	9.78
		High	3680.00	9.62	9.85	9.43	9.50
	64QAM	Low	3570.00	10.20	9.40	9.37	9.46
		Middle	3625.00	9.24	9.77	9.32	9.67
		High	3680.00	9.62	9.26	9.19	9.72
	256QAM	Low	3570.00	9.68	9.54	9.27	9.34
		Middle	3625.00	9.37	9.30	9.52	9.37
		High	3680.00	10.45	10.05	9.69	9.47
Port 2	QPSK	Low	3570.00	9.86	9.72	9.25	9.70
		Middle	3625.00	9.25	9.43	9.82	9.61
		High	3680.00	9.40	9.61	9.46	9.41
	16QAM	Low	3570.00	9.87	9.48	9.58	9.78
		Middle	3625.00	9.66	9.73	9.66	10.16
		High	3680.00	9.67	10.05	9.32	10.07
	64QAM	Low	3570.00	9.71	10.05	9.34	9.44

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	8.95	9.41	9.65	9.74
		High	3680.00	9.39	9.68	9.28	9.91
	256QAM	Low	3570.00	9.40	9.13	9.49	9.66
		Middle	3625.00	9.56	9.84	9.14	9.65
		High	3680.00	9.23	9.89	9.50	9.92
	Port 3	QPSK	Low	3570.00	9.94	9.57	9.62
Middle			3625.00	8.85	9.29	9.83	9.32
High			3680.00	9.62	9.01	9.55	9.69
16QAM		Low	3570.00	9.71	9.15	9.62	9.53
		Middle	3625.00	9.39	9.73	9.37	9.93
		High	3680.00	9.88	9.53	9.39	9.67
64QAM		Low	3570.00	9.06	9.64	10.19	9.26
		Middle	3625.00	8.87	9.75	9.15	9.22
		High	3680.00	9.67	9.04	9.65	9.21
256QAM		Low	3570.00	9.51	10.15	9.31	9.16
		Middle	3625.00	9.38	9.39	9.71	9.74
		High	3680.00	9.71	9.34	9.31	9.55

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3570.00	9.18	9.71	9.66	9.52
		Middle	3625.00	9.15	9.76	10.17	9.37
		High	3680.00	8.66	9.58	9.51	9.42
	16QAM	Low	3570.00	9.69	9.74	9.79	9.16
		Middle	3625.00	10.01	9.49	9.65	9.83
		High	3680.00	10.07	10.00	9.74	9.61
	64QAM	Low	3570.00	9.78	8.98	9.45	9.64
		Middle	3625.00	9.65	9.86	9.92	9.46
		High	3680.00	9.30	9.60	9.54	9.44
	256QAM	Low	3570.00	9.79	9.49	9.69	9.28
		Middle	3625.00	9.52	9.72	9.51	9.56
		High	3680.00	9.51	9.61	9.73	9.05
Port 1	QPSK	Low	3570.00	9.64	9.64	9.19	9.54
		Middle	3625.00	9.65	9.04	9.24	9.53
		High	3680.00	9.48	9.31	9.51	9.50
	16QAM	Low	3570.00	10.27	9.14	9.70	9.65
		Middle	3625.00	9.38	9.90	9.49	9.87
		High	3680.00	9.66	9.39	9.62	9.59
	64QAM	Low	3570.00	9.09	9.35	9.55	9.56
		Middle	3625.00	8.96	10.03	9.38	9.82
		High	3680.00	9.51	9.54	9.78	9.66
	256QAM	Low	3570.00	9.53	9.31	9.39	9.83
		Middle	3625.00	9.70	9.28	9.56	9.47
		High	3680.00	9.48	9.71	9.18	9.58
Port 2	QPSK	Low	3570.00	9.77	9.42	9.55	9.52
		Middle	3625.00	9.02	9.70	9.74	9.36
		High	3680.00	9.59	9.53	9.01	9.47
	16QAM	Low	3570.00	9.67	9.54	9.60	9.93
		Middle	3625.00	9.34	9.61	9.24	9.25
		High	3680.00	9.72	9.87	9.22	9.84
	64QAM	Low	3570.00	9.50	9.10	9.97	9.34

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	9.50	9.45	9.92	9.35
		High	3680.00	10.00	9.75	9.58	9.32
	256QAM	Low	3570.00	9.62	9.55	9.40	9.10
		Middle	3625.00	9.55	9.42	9.43	9.26
		High	3680.00	9.63	8.91	9.73	9.06
	Port 3	QPSK	Low	3570.00	9.71	9.84	9.28
Middle			3625.00	9.61	9.60	8.90	9.66
High			3680.00	9.39	9.20	8.84	9.43
16QAM		Low	3570.00	9.88	9.62	9.65	9.45
		Middle	3625.00	9.56	9.39	9.79	9.47
		High	3680.00	9.79	9.54	9.44	9.93
64QAM		Low	3570.00	9.55	8.88	9.93	9.26
		Middle	3625.00	9.69	9.74	9.39	9.54
		High	3680.00	9.93	9.30	8.95	9.31
256QAM		Low	3570.00	9.24	9.64	9.80	9.08
		Middle	3625.00	9.79	9.52	9.31	9.65
		High	3680.00	9.24	9.61	9.50	9.44

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3570.00	9.52	9.18	9.68	8.92
		Middle	3625.00	9.50	9.58	9.16	9.56
		High	3680.00	9.35	9.29	9.59	9.76
	16QAM	Low	3570.00	9.76	9.74	9.91	9.79
		Middle	3625.00	9.89	9.33	9.80	9.67
		High	3680.00	9.77	9.72	9.80	9.75
	64QAM	Low	3570.00	9.52	9.19	9.55	9.51
		Middle	3625.00	9.29	9.47	9.16	9.52
		High	3680.00	9.37	9.44	9.52	9.50
	256QAM	Low	3570.00	9.63	9.42	9.65	9.54
		Middle	3625.00	9.71	9.41	9.45	9.53
		High	3680.00	9.08	9.55	9.20	9.26
Port 1	QPSK	Low	3570.00	9.33	9.57	9.34	9.21
		Middle	3625.00	9.55	9.77	9.41	9.14
		High	3680.00	9.61	9.36	9.45	9.15
	16QAM	Low	3570.00	9.73	9.99	9.92	9.09
		Middle	3625.00	9.63	9.85	9.48	9.95
		High	3680.00	9.64	9.68	9.98	9.78
	64QAM	Low	3570.00	9.61	9.06	9.32	9.69
		Middle	3625.00	9.22	9.44	9.92	8.98
		High	3680.00	9.67	9.64	9.31	9.70
	256QAM	Low	3570.00	9.41	9.54	9.40	9.11
		Middle	3625.00	9.70	9.64	8.94	9.45
		High	3680.00	9.68	9.47	9.85	9.17
Port 2	QPSK	Low	3570.00	9.50	9.58	9.66	8.90
		Middle	3625.00	9.44	9.52	9.37	9.68
		High	3680.00	9.37	9.62	9.27	9.58
	16QAM	Low	3570.00	9.87	9.84	9.41	9.72
		Middle	3625.00	9.71	9.62	9.58	9.63
		High	3680.00	9.09	10.06	9.88	9.81
	64QAM	Low	3570.00	9.92	9.18	9.92	9.95

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	8.76	9.55	9.60	9.21
		High	3680.00	9.75	9.65	9.27	9.62
	256QAM	Low	3570.00	9.53	9.21	9.31	9.41
		Middle	3625.00	9.76	9.29	9.65	9.88
		High	3680.00	9.59	9.38	9.54	9.29
Port 3	QPSK	Low	3570.00	9.72	9.54	9.31	9.64
		Middle	3625.00	9.85	9.24	9.89	9.63
		High	3680.00	9.39	9.05	9.58	9.70
	16QAM	Low	3570.00	9.60	9.86	9.51	9.50
		Middle	3625.00	9.78	9.78	9.51	9.63
		High	3680.00	10.05	10.09	9.95	9.18
	64QAM	Low	3570.00	9.56	9.69	9.71	8.99
		Middle	3625.00	9.06	9.32	9.25	9.63
		High	3680.00	9.20	9.74	9.43	9.73
	256QAM	Low	3570.00	9.58	9.20	9.71	9.75
		Middle	3625.00	9.40	9.54	9.69	9.19
		High	3680.00	9.97	9.00	9.60	9.31

**Tabular data of PAPR\_Max Power for Clip-on Ant**

10 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 0	QPSK	Low	3555.00	9.29
		Middle	3625.00	9.20
		High	3695.00	9.49
	16QAM	Low	3555.00	9.27
		Middle	3625.00	9.31
		High	3695.00	9.80
	64QAM	Low	3555.00	9.22
		Middle	3625.00	9.32
		High	3695.00	9.56
	256QAM	Low	3555.00	9.14
		Middle	3625.00	9.22
		High	3695.00	9.36
Port 1	QPSK	Low	3555.00	9.24
		Middle	3625.00	9.27
		High	3695.00	9.15
	16QAM	Low	3555.00	9.26
		Middle	3625.00	9.66
		High	3695.00	9.75
	64QAM	Low	3555.00	9.09
		Middle	3625.00	9.31
		High	3695.00	9.26
	256QAM	Low	3555.00	9.26
		Middle	3625.00	9.22
		High	3695.00	9.71
Port 2	QPSK	Low	3555.00	9.48
		Middle	3625.00	9.26
		High	3695.00	9.25
	16QAM	Low	3555.00	9.93
		Middle	3625.00	9.72
		High	3695.00	9.33
	64QAM	Low	3555.00	9.32



Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
		Middle	3625.00	9.12
		High	3695.00	9.10
	256QAM	Low	3555.00	9.11
		Middle	3625.00	9.19
		High	3695.00	9.31
Port 3	QPSK	Low	3555.00	9.65
		Middle	3625.00	9.25
		High	3695.00	9.35
	16QAM	Low	3555.00	9.23
		Middle	3625.00	9.32
		High	3695.00	9.74
	64QAM	Low	3555.00	9.34
		Middle	3625.00	9.11
		High	3695.00	9.24
	256QAM	Low	3555.00	9.42
		Middle	3625.00	9.38
		High	3695.00	8.98

20 MHz Bandwidth / 1 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 0	QPSK	Low	3560.00	8.76
		Middle	3625.00	9.85
		High	3690.00	8.95
	16QAM	Low	3560.00	9.77
		Middle	3625.00	9.59
		High	3690.00	9.86
	64QAM	Low	3560.00	9.76
		Middle	3625.00	9.18
		High	3690.00	9.54
	256QAM	Low	3560.00	9.55
		Middle	3625.00	9.60
		High	3690.00	9.19
Port 1	QPSK	Low	3560.00	9.54
		Middle	3625.00	8.98
		High	3690.00	9.38
	16QAM	Low	3560.00	9.54
		Middle	3625.00	9.65
		High	3690.00	9.67
	64QAM	Low	3560.00	9.17
		Middle	3625.00	9.27
		High	3690.00	9.50
	256QAM	Low	3560.00	9.37
		Middle	3625.00	8.90
		High	3690.00	8.90
Port 2	QPSK	Low	3560.00	9.38
		Middle	3625.00	9.45
		High	3690.00	9.02
	16QAM	Low	3560.00	9.34
		Middle	3625.00	9.85
		High	3690.00	9.61
	64QAM	Low	3560.00	9.23
		Middle	3625.00	9.70

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
	256QAM	High	3690.00	9.79
		Low	3560.00	9.59
		Middle	3625.00	9.49
		High	3690.00	8.93
Port 3	QPSK	Low	3560.00	9.58
		Middle	3625.00	9.54
		High	3690.00	9.89
	16QAM	Low	3560.00	9.71
		Middle	3625.00	9.85
		High	3690.00	9.35
	64QAM	Low	3560.00	8.84
		Middle	3625.00	9.13
		High	3690.00	9.76
	256QAM	Low	3560.00	9.64
		Middle	3625.00	9.62
		High	3690.00	9.59

10 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
Port 0	QPSK	Low	3560.00	9.55	9.32
		Middle	3625.00	9.49	8.95
		High	3690.00	9.73	9.36
	16QAM	Low	3560.00	9.82	9.54
		Middle	3625.00	10.03	9.20
		High	3690.00	9.56	9.85
	64QAM	Low	3560.00	9.85	9.30
		Middle	3625.00	9.69	9.46
		High	3690.00	9.53	9.21
	256QAM	Low	3560.00	9.37	9.30
		Middle	3625.00	9.34	9.18
		High	3690.00	9.10	9.34
Port 1	QPSK	Low	3560.00	9.33	9.64
		Middle	3625.00	9.36	9.38
		High	3690.00	9.56	9.33
	16QAM	Low	3560.00	9.54	9.49
		Middle	3625.00	9.56	9.62
		High	3690.00	8.99	9.76
	64QAM	Low	3560.00	9.22	9.53
		Middle	3625.00	9.35	9.28
		High	3690.00	9.18	9.37
	256QAM	Low	3560.00	9.39	9.31
		Middle	3625.00	9.09	9.49
		High	3690.00	9.22	9.30
Port 2	QPSK	Low	3560.00	9.81	9.67
		Middle	3625.00	9.59	9.33
		High	3690.00	9.35	9.72
	16QAM	Low	3560.00	9.64	9.42
		Middle	3625.00	10.08	9.69
		High	3690.00	9.65	9.64
	64QAM	Low	3560.00	9.17	9.26
		Middle	3625.00	9.14	9.47

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
	256QAM	High	3690.00	9.43	9.67
		Low	3560.00	9.39	9.60
		Middle	3625.00	9.58	9.38
		High	3690.00	9.52	9.49
Port 3	QPSK	Low	3560.00	9.49	9.34
		Middle	3625.00	9.37	9.60
		High	3690.00	9.27	9.48
	16QAM	Low	3560.00	9.55	9.46
		Middle	3625.00	9.74	9.72
		High	3690.00	9.45	9.94
	64QAM	Low	3560.00	9.12	9.47
		Middle	3625.00	9.51	9.31
		High	3690.00	9.55	9.51
	256QAM	Low	3560.00	9.34	9.30
		Middle	3625.00	9.23	9.18
		High	3690.00	9.33	9.62

20 MHz Bandwidth + 10 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
Port 0	QPSK	Low	3565.00	9.64	9.33
		Middle	3625.00	8.96	9.67
		High	3685.00	9.39	9.57
	16QAM	Low	3565.00	10.31	9.53
		Middle	3625.00	9.67	9.87
		High	3685.00	9.70	9.78
	64QAM	Low	3565.00	8.99	9.53
		Middle	3625.00	9.49	9.40
		High	3685.00	9.16	9.39
	256QAM	Low	3565.00	9.56	9.12
		Middle	3625.00	9.70	9.83
		High	3685.00	9.40	9.44
Port 1	QPSK	Low	3565.00	9.31	9.27
		Middle	3625.00	9.13	9.59
		High	3685.00	9.31	9.29
	16QAM	Low	3565.00	9.75	9.43
		Middle	3625.00	9.18	9.78
		High	3685.00	9.39	9.47
	64QAM	Low	3565.00	9.08	9.39
		Middle	3625.00	9.49	9.35
		High	3685.00	9.39	9.33
	256QAM	Low	3565.00	9.26	9.12
		Middle	3625.00	8.97	9.36
		High	3685.00	9.06	9.59
Port 2	QPSK	Low	3565.00	9.58	9.37
		Middle	3625.00	9.23	9.23
		High	3685.00	9.34	9.52
	16QAM	Low	3565.00	9.28	9.58
		Middle	3625.00	9.55	9.78
		High	3685.00	9.76	9.69
	64QAM	Low	3565.00	8.96	9.45
		Middle	3625.00	9.50	9.44

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
	256QAM	High	3685.00	9.52	9.25
		Low	3565.00	9.57	9.38
		Middle	3625.00	9.84	9.27
		High	3685.00	9.75	9.56
Port 3	QPSK	Low	3565.00	9.73	9.45
		Middle	3625.00	9.38	9.31
		High	3685.00	9.73	9.24
	16QAM	Low	3565.00	9.22	9.76
		Middle	3625.00	9.68	9.98
		High	3685.00	9.29	9.78
	64QAM	Low	3565.00	9.54	9.59
		Middle	3625.00	9.73	9.34
		High	3685.00	9.38	9.65
	256QAM	Low	3565.00	9.59	9.18
		Middle	3625.00	9.37	9.61
		High	3685.00	9.59	9.62

20 MHz Bandwidth + 20 MHz Bandwidth / 2 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
Port 0	QPSK	Low	3570.00	9.77	9.58
		Middle	3625.00	9.75	9.64
		High	3680.00	9.27	9.36
	16QAM	Low	3570.00	9.45	9.55
		Middle	3625.00	9.62	9.56
		High	3680.00	9.38	9.71
	64QAM	Low	3570.00	8.90	9.47
		Middle	3625.00	9.45	9.24
		High	3680.00	9.33	9.70
	256QAM	Low	3570.00	9.53	9.51
		Middle	3625.00	9.65	9.36
		High	3680.00	9.69	9.72
Port 1	QPSK	Low	3570.00	9.59	9.57
		Middle	3625.00	9.25	8.87
		High	3680.00	9.90	9.52
	16QAM	Low	3570.00	10.03	9.49
		Middle	3625.00	9.32	9.49
		High	3680.00	9.61	9.67
	64QAM	Low	3570.00	9.67	9.44
		Middle	3625.00	9.91	9.35
		High	3680.00	9.66	9.10
	256QAM	Low	3570.00	9.84	9.36
		Middle	3625.00	9.53	9.35
		High	3680.00	9.74	9.45
Port 2	QPSK	Low	3570.00	9.75	9.44
		Middle	3625.00	9.74	9.37
		High	3680.00	9.56	9.50
	16QAM	Low	3570.00	9.32	9.47
		Middle	3625.00	9.49	9.75
		High	3680.00	9.40	9.39
	64QAM	Low	3570.00	9.63	9.57
		Middle	3625.00	9.60	9.74



Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2
	256QAM	High	3680.00	9.61	9.47
		Low	3570.00	9.35	9.54
		Middle	3625.00	9.51	9.76
		High	3680.00	9.25	9.40
Port 3	QPSK	Low	3570.00	9.70	9.17
		Middle	3625.00	9.30	9.48
		High	3680.00	9.04	9.73
	16QAM	Low	3570.00	9.70	9.33
		Middle	3625.00	9.61	9.45
		High	3680.00	9.87	9.44
	64QAM	Low	3570.00	9.47	9.62
		Middle	3625.00	9.45	9.67
		High	3680.00	9.62	9.44
	256QAM	Low	3570.00	9.37	9.55
		Middle	3625.00	9.18	9.75
		High	3680.00	9.04	9.64

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
Port 0	QPSK	Low	3565.00	9.36	9.25	9.44
		Middle	3625.00	9.31	9.45	9.50
		High	3685.00	9.44	9.71	9.51
	16QAM	Low	3565.00	9.15	9.69	9.67
		Middle	3625.00	9.61	9.73	9.22
		High	3685.00	9.62	9.92	9.95
	64QAM	Low	3565.00	9.26	9.58	9.52
		Middle	3625.00	9.94	9.54	9.77
		High	3685.00	9.45	9.58	9.52
	256QAM	Low	3565.00	9.36	9.42	9.16
		Middle	3625.00	9.31	9.42	9.29
		High	3685.00	9.55	9.28	9.24
Port 1	QPSK	Low	3565.00	9.45	9.88	9.39
		Middle	3625.00	9.56	9.56	9.37
		High	3685.00	9.58	9.91	9.61
	16QAM	Low	3565.00	9.97	9.55	9.63
		Middle	3625.00	9.67	9.52	9.78
		High	3685.00	9.92	9.77	9.75
	64QAM	Low	3565.00	9.35	9.41	9.15
		Middle	3625.00	9.25	9.24	9.63
		High	3685.00	9.19	9.44	9.66
	256QAM	Low	3565.00	9.44	9.87	9.47
		Middle	3625.00	9.84	9.55	9.19
		High	3685.00	9.22	9.23	9.33
Port 2	QPSK	Low	3565.00	9.01	9.50	9.45
		Middle	3625.00	9.42	9.24	9.43
		High	3685.00	9.55	9.43	9.30
	16QAM	Low	3565.00	9.78	9.78	9.95
		Middle	3625.00	9.71	9.95	9.73
		High	3685.00	9.96	9.54	9.29
	64QAM	Low	3565.00	9.36	9.73	9.34

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
		Middle	3625.00	9.54	9.60	9.67
		High	3685.00	9.41	9.85	9.56
	256QAM	Low	3565.00	9.20	9.52	9.35
		Middle	3625.00	9.61	9.24	9.63
		High	3685.00	9.30	9.39	9.34
Port 3	QPSK	Low	3565.00	9.62	9.26	9.45
		Middle	3625.00	9.18	9.33	9.34
		High	3685.00	9.33	9.66	9.84
	16QAM	Low	3565.00	9.82	10.13	9.79
		Middle	3625.00	10.03	10.27	9.60
		High	3685.00	9.87	9.53	9.38
	64QAM	Low	3565.00	9.77	9.85	9.35
		Middle	3625.00	9.74	9.53	9.47
		High	3685.00	9.65	9.76	9.71
	256QAM	Low	3565.00	9.43	9.56	9.76
		Middle	3625.00	9.25	9.47	9.48
		High	3685.00	9.28	9.35	9.70

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
Port 0	QPSK	Low	3570.00	9.50	9.42	9.72
		Middle	3625.00	9.41	9.31	9.21
		High	3680.00	9.92	9.23	9.54
	16QAM	Low	3570.00	9.91	9.76	9.34
		Middle	3625.00	9.29	9.61	9.71
		High	3680.00	9.31	9.71	9.45
	64QAM	Low	3570.00	9.60	9.36	9.88
		Middle	3625.00	9.25	9.50	9.76
		High	3680.00	9.26	9.27	9.49
	256QAM	Low	3570.00	9.76	9.59	9.63
		Middle	3625.00	9.76	9.32	9.78
		High	3680.00	9.51	9.79	9.23
Port 1	QPSK	Low	3570.00	9.31	9.47	9.31
		Middle	3625.00	9.94	10.03	9.68
		High	3680.00	9.78	9.39	9.22
	16QAM	Low	3570.00	9.70	9.85	9.88
		Middle	3625.00	9.46	9.80	9.69
		High	3680.00	9.68	9.70	9.57
	64QAM	Low	3570.00	9.44	9.31	9.78
		Middle	3625.00	9.75	9.40	9.46
		High	3680.00	9.42	9.18	9.49
	256QAM	Low	3570.00	9.76	9.53	9.92
		Middle	3625.00	9.26	9.49	9.55
		High	3680.00	9.59	9.19	9.55
Port 2	QPSK	Low	3570.00	9.77	9.30	9.29
		Middle	3625.00	9.63	9.21	9.44
		High	3680.00	9.95	9.54	9.11
	16QAM	Low	3570.00	9.51	9.71	9.66
		Middle	3625.00	10.00	9.69	9.71
		High	3680.00	9.46	9.44	9.59
	64QAM	Low	3570.00	9.57	9.36	9.25

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
		Middle	3625.00	9.50	9.32	9.56
		High	3680.00	9.25	9.65	9.62
	256QAM	Low	3570.00	9.59	9.46	9.27
		Middle	3625.00	9.82	9.74	9.43
		High	3680.00	9.46	9.63	9.89
Port 3	QPSK	Low	3570.00	9.70	9.37	9.23
		Middle	3625.00	9.80	9.11	9.43
		High	3680.00	9.40	9.47	9.25
	16QAM	Low	3570.00	9.81	9.29	9.59
		Middle	3625.00	9.67	9.67	9.63
		High	3680.00	9.86	9.51	9.72
	64QAM	Low	3570.00	9.52	9.32	9.44
		Middle	3625.00	9.51	9.42	9.32
		High	3680.00	9.49	9.31	9.45
	256QAM	Low	3570.00	9.53	9.32	9.44
		Middle	3625.00	9.34	9.41	9.58
		High	3680.00	9.37	9.53	9.39

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth / 3 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
Port 0	QPSK	Low	3575.00	9.99	9.33	9.41
		Middle	3625.00	8.85	9.42	9.49
		High	3675.00	9.58	9.53	9.45
	16QAM	Low	3575.00	9.78	9.81	9.79
		Middle	3625.00	9.09	9.74	9.90
		High	3675.00	9.57	9.82	9.87
	64QAM	Low	3575.00	10.19	9.43	9.99
		Middle	3625.00	9.58	9.42	9.46
		High	3675.00	9.58	9.34	9.47
	256QAM	Low	3575.00	9.20	9.55	9.34
		Middle	3625.00	9.55	9.30	9.31
		High	3675.00	9.21	9.49	9.79
Port 1	QPSK	Low	3575.00	9.52	9.20	9.56
		Middle	3625.00	9.68	9.51	9.76
		High	3675.00	9.00	9.17	9.24
	16QAM	Low	3575.00	9.87	9.67	9.61
		Middle	3625.00	10.35	9.54	9.83
		High	3675.00	9.39	9.35	9.78
	64QAM	Low	3575.00	9.51	9.70	9.22
		Middle	3625.00	9.53	9.26	9.35
		High	3675.00	9.75	9.56	9.54
	256QAM	Low	3575.00	9.53	9.80	9.65
		Middle	3625.00	9.41	9.44	9.30
		High	3675.00	9.26	9.36	9.55
Port 2	QPSK	Low	3575.00	9.06	9.35	9.20
		Middle	3625.00	9.75	9.94	9.13
		High	3675.00	9.69	9.43	9.50
	16QAM	Low	3575.00	9.70	9.78	9.51
		Middle	3625.00	10.19	9.77	9.38
		High	3675.00	9.74	9.41	9.74
	64QAM	Low	3575.00	9.32	9.10	9.56

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
		Middle	3625.00	9.21	9.39	9.43
		High	3675.00	9.88	9.40	9.46
	256QAM	Low	3575.00	9.89	9.69	9.42
		Middle	3625.00	9.34	9.33	9.51
		High	3675.00	9.49	9.23	9.59
Port 3	QPSK	Low	3575.00	9.60	9.28	9.42
		Middle	3625.00	9.21	9.66	9.73
		High	3675.00	9.45	9.29	9.12
	16QAM	Low	3575.00	9.53	9.95	9.54
		Middle	3625.00	9.49	9.45	9.51
		High	3675.00	9.17	9.46	9.82
	64QAM	Low	3575.00	9.30	9.56	9.38
		Middle	3625.00	9.25	9.30	9.43
		High	3675.00	9.27	9.15	9.71
	256QAM	Low	3575.00	9.61	9.53	9.30
		Middle	3625.00	9.83	9.41	9.45
		High	3675.00	9.14	9.46	9.50

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

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
Port 0	QPSK	Low	3580.00	9.88	10.60	10.61
		Middle	3625.00	9.51	9.61	9.77
		High	3670.00	9.43	9.44	9.58
	16QAM	Low	3580.00	9.24	9.60	9.26
		Middle	3625.00	9.49	10.03	9.53
		High	3670.00	9.45	9.50	9.62
	64QAM	Low	3580.00	9.15	9.59	9.59
		Middle	3625.00	9.41	9.28	9.48
		High	3670.00	9.65	9.54	9.60
	256QAM	Low	3580.00	9.65	9.21	9.56
		Middle	3625.00	9.60	9.35	9.80
		High	3670.00	9.26	9.41	9.74
Port 1	QPSK	Low	3580.00	9.70	9.60	9.47
		Middle	3625.00	9.60	9.50	9.25
		High	3670.00	9.70	9.50	9.41
	16QAM	Low	3580.00	8.91	9.89	9.50
		Middle	3625.00	9.48	9.89	10.18
		High	3670.00	9.77	9.94	9.73
	64QAM	Low	3580.00	9.41	9.31	9.59
		Middle	3625.00	9.84	9.56	9.54
		High	3670.00	9.26	9.48	8.90
	256QAM	Low	3580.00	9.56	9.04	9.47
		Middle	3625.00	9.35	9.65	9.28
		High	3670.00	9.50	9.30	9.52
Port 2	QPSK	Low	3580.00	9.53	9.52	9.64
		Middle	3625.00	9.46	9.59	9.46
		High	3670.00	9.07	9.76	9.45
	16QAM	Low	3580.00	9.66	9.22	10.02
		Middle	3625.00	9.48	9.58	9.42
		High	3670.00	9.65	10.25	9.26
	64QAM	Low	3580.00	8.91	10.55	9.83



Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3
		Middle	3625.00	9.00	9.42	9.94
		High	3670.00	9.52	9.49	9.19
	256QAM	Low	3580.00	10.00	9.45	9.47
		Middle	3625.00	9.47	9.53	9.57
		High	3670.00	9.11	9.70	9.45
Port 3	QPSK	Low	3580.00	9.42	9.55	9.51
		Middle	3625.00	9.77	9.04	9.81
		High	3670.00	9.34	9.85	9.73
	16QAM	Low	3580.00	9.54	9.56	9.94
		Middle	3625.00	9.77	9.30	9.16
		High	3670.00	9.94	9.35	9.70
	64QAM	Low	3580.00	9.47	9.43	9.40
		Middle	3625.00	9.23	9.12	9.50
		High	3670.00	9.82	9.48	9.52
	256QAM	Low	3580.00	9.61	9.42	9.67
		Middle	3625.00	9.58	9.42	9.67
		High	3670.00	9.24	9.56	9.52

10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3570.00	9.26	9.58	9.53	9.40
		Middle	3625.00	9.70	9.61	9.34	9.87
		High	3680.00	9.53	9.13	9.46	9.77
	16QAM	Low	3570.00	9.79	9.94	9.46	10.01
		Middle	3625.00	9.56	9.68	10.12	9.72
		High	3680.00	9.48	9.65	9.56	9.29
	64QAM	Low	3570.00	9.44	9.17	9.24	9.40
		Middle	3625.00	9.17	9.55	9.59	9.39
		High	3680.00	9.38	9.58	9.22	9.73
	256QAM	Low	3570.00	9.33	9.42	9.38	9.27
		Middle	3625.00	9.27	9.73	9.64	9.45
		High	3680.00	9.62	9.70	9.36	9.24
Port 1	QPSK	Low	3570.00	9.36	9.69	9.41	10.05
		Middle	3625.00	9.47	9.30	9.26	9.58
		High	3680.00	9.80	9.70	9.63	9.45
	16QAM	Low	3570.00	9.88	9.26	9.92	9.57
		Middle	3625.00	9.82	9.72	9.71	9.63
		High	3680.00	9.62	9.40	9.97	9.60
	64QAM	Low	3570.00	9.58	9.36	9.58	9.51
		Middle	3625.00	9.59	9.69	9.73	9.48
		High	3680.00	9.28	9.46	9.84	9.44
	256QAM	Low	3570.00	9.59	9.32	9.70	9.30
		Middle	3625.00	9.34	9.30	9.15	9.75
		High	3680.00	9.45	9.58	9.30	10.36
Port 2	QPSK	Low	3570.00	9.23	9.11	9.85	9.29
		Middle	3625.00	9.44	9.38	9.66	9.92
		High	3680.00	9.30	9.22	9.49	9.33
	16QAM	Low	3570.00	9.73	9.71	9.89	9.61
		Middle	3625.00	9.44	9.49	9.77	9.59
		High	3680.00	9.60	9.95	9.39	9.68
	64QAM	Low	3570.00	9.58	9.40	9.58	9.48

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	9.35	9.47	9.43	9.30
		High	3680.00	9.23	9.64	9.52	9.35
	256QAM	Low	3570.00	9.54	9.18	9.35	9.31
		Middle	3625.00	9.58	9.81	9.98	9.66
		High	3680.00	9.65	9.82	9.23	9.28
Port 3	QPSK	Low	3570.00	9.71	9.67	9.52	9.33
		Middle	3625.00	9.42	9.42	9.60	9.19
		High	3680.00	9.40	9.34	9.31	9.36
	16QAM	Low	3570.00	9.95	9.52	9.48	9.83
		Middle	3625.00	9.64	9.44	9.72	9.56
		High	3680.00	9.65	9.74	9.74	9.19
	64QAM	Low	3570.00	9.63	9.20	9.81	9.50
		Middle	3625.00	9.63	9.65	9.69	9.59
		High	3680.00	9.71	9.54	9.40	9.90
	256QAM	Low	3570.00	9.33	9.58	9.79	9.66
		Middle	3625.00	9.29	9.30	9.46	9.39
		High	3680.00	9.23	9.24	9.37	9.47

20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3575.00	9.90	9.15	9.35	9.58
		Middle	3625.00	9.28	9.72	9.51	9.40
		High	3675.00	9.59	9.61	9.67	9.63
	16QAM	Low	3575.00	9.87	9.60	9.91	9.51
		Middle	3625.00	9.22	9.65	9.86	9.72
		High	3675.00	9.49	9.75	9.76	9.49
	64QAM	Low	3575.00	9.63	9.38	9.21	9.59
		Middle	3625.00	9.17	9.28	9.77	9.49
		High	3675.00	10.00	9.75	9.50	9.37
	256QAM	Low	3575.00	9.25	9.69	9.34	9.43
		Middle	3625.00	9.40	9.61	9.25	9.43
		High	3675.00	9.61	9.48	9.63	9.47
Port 1	QPSK	Low	3575.00	9.25	9.79	9.23	9.60
		Middle	3625.00	9.58	9.63	9.69	9.22
		High	3675.00	9.27	9.25	9.52	9.32
	16QAM	Low	3575.00	9.93	9.69	9.79	9.72
		Middle	3625.00	9.47	9.85	9.77	9.79
		High	3675.00	9.96	9.90	9.71	9.78
	64QAM	Low	3575.00	9.37	9.30	9.75	9.58
		Middle	3625.00	9.16	9.40	9.60	9.45
		High	3675.00	9.56	9.61	9.41	9.72
	256QAM	Low	3575.00	9.48	9.47	9.34	9.33
		Middle	3625.00	10.29	9.13	9.49	9.33
		High	3675.00	9.08	9.22	9.07	9.45
Port 2	QPSK	Low	3575.00	9.06	9.49	9.62	9.79
		Middle	3625.00	9.30	9.23	9.56	9.25
		High	3675.00	9.31	9.77	9.52	9.36
	16QAM	Low	3575.00	9.81	9.45	9.72	9.78
		Middle	3625.00	9.51	9.77	9.61	9.55
		High	3675.00	9.55	9.52	9.50	9.92
	64QAM	Low	3575.00	9.45	9.62	9.96	9.99

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	9.46	9.46	9.37	9.31
		High	3675.00	9.25	9.71	9.57	9.69
	256QAM	Low	3575.00	9.74	9.70	9.48	9.33
		Middle	3625.00	9.35	9.36	9.36	9.18
		High	3675.00	9.72	9.51	9.53	9.53
Port 3	QPSK	Low	3575.00	9.48	9.21	9.60	9.22
		Middle	3625.00	9.06	9.54	9.56	9.24
		High	3675.00	9.33	9.30	9.32	9.57
	16QAM	Low	3575.00	9.50	9.58	9.57	9.52
		Middle	3625.00	9.54	9.83	10.00	9.69
		High	3675.00	9.84	9.62	9.85	9.38
	64QAM	Low	3575.00	8.66	9.35	9.52	9.60
		Middle	3625.00	9.42	9.30	9.63	9.24
		High	3675.00	9.25	9.55	9.23	9.54
	256QAM	Low	3575.00	9.45	9.71	9.35	9.30
		Middle	3625.00	9.64	9.39	9.31	9.32
		High	3675.00	9.55	9.67	9.22	9.49

20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3580.00	9.41	8.89	9.46	9.78
		Middle	3625.00	9.45	9.89	9.59	9.75
		High	3670.00	9.81	9.25	9.16	9.46
	16QAM	Low	3580.00	9.77	9.81	9.91	9.70
		Middle	3625.00	9.89	9.38	9.81	9.45
		High	3670.00	9.83	10.17	9.69	9.58
	64QAM	Low	3580.00	9.24	9.57	9.66	9.82
		Middle	3625.00	9.51	9.35	9.45	10.19
		High	3670.00	9.21	10.01	9.25	9.10
	256QAM	Low	3580.00	9.20	9.37	9.29	9.32
		Middle	3625.00	9.37	9.51	9.37	9.37
		High	3670.00	9.18	9.69	9.11	9.42
Port 1	QPSK	Low	3580.00	9.56	9.56	9.33	9.73
		Middle	3625.00	9.69	9.60	9.59	9.73
		High	3670.00	9.70	9.16	9.47	9.44
	16QAM	Low	3580.00	10.12	9.80	9.76	9.83
		Middle	3625.00	9.71	9.19	9.77	9.63
		High	3670.00	9.70	9.61	9.54	9.90
	64QAM	Low	3580.00	9.36	9.63	9.21	9.12
		Middle	3625.00	9.54	9.63	9.36	9.75
		High	3670.00	9.91	9.20	9.44	9.29
	256QAM	Low	3580.00	9.48	9.51	9.47	9.87
		Middle	3625.00	9.63	9.06	9.36	9.48
		High	3670.00	9.75	10.06	9.54	9.57
Port 2	QPSK	Low	3580.00	9.48	9.45	9.28	9.69
		Middle	3625.00	10.03	9.47	9.37	9.37
		High	3670.00	9.10	9.49	9.25	9.64
	16QAM	Low	3580.00	9.66	10.08	9.79	9.80
		Middle	3625.00	9.76	9.86	9.48	9.65
		High	3670.00	9.42	9.33	9.38	9.75
	64QAM	Low	3580.00	9.56	9.59	9.34	9.44

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	8.92	9.42	9.57	9.27
		High	3670.00	9.39	10.06	9.64	9.34
	256QAM	Low	3580.00	9.62	9.53	9.40	9.38
		Middle	3625.00	10.17	9.30	9.46	9.37
		High	3670.00	9.54	9.93	9.71	9.49
Port 3	QPSK	Low	3580.00	8.95	9.48	9.24	9.42
		Middle	3625.00	9.30	9.99	9.70	9.36
		High	3670.00	9.43	9.89	9.85	9.27
	16QAM	Low	3580.00	9.87	9.30	9.71	9.62
		Middle	3625.00	9.78	9.60	9.59	10.04
		High	3670.00	9.73	9.37	9.74	9.48
	64QAM	Low	3580.00	10.06	9.86	9.23	9.79
		Middle	3625.00	9.49	9.30	9.69	9.34
		High	3670.00	9.25	9.89	9.89	9.18
	256QAM	Low	3580.00	9.74	9.31	9.85	9.55
		Middle	3625.00	9.74	9.06	9.79	9.41
		High	3670.00	9.03	9.45	9.04	9.43

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 10 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3585.00	9.66	9.48	9.52	9.58
		Middle	3625.00	9.77	9.57	9.45	9.60
		High	3665.00	9.18	9.84	9.71	9.30
	16QAM	Low	3585.00	9.86	10.11	9.22	9.67
		Middle	3625.00	9.78	9.90	9.04	9.71
		High	3665.00	9.87	9.60	9.48	9.45
	64QAM	Low	3585.00	9.33	9.86	9.53	9.63
		Middle	3625.00	9.37	9.43	9.70	9.52
		High	3665.00	9.48	9.24	9.87	9.09
	256QAM	Low	3585.00	9.30	9.21	9.48	9.18
		Middle	3625.00	9.80	9.43	9.51	9.45
		High	3665.00	9.26	9.62	9.22	9.75
Port 1	QPSK	Low	3585.00	9.83	9.70	9.54	9.32
		Middle	3625.00	9.52	9.37	9.14	9.41
		High	3665.00	9.48	9.27	9.02	9.35
	16QAM	Low	3585.00	9.16	9.66	9.60	9.67
		Middle	3625.00	9.80	9.80	9.85	9.65
		High	3665.00	9.65	9.94	9.25	9.80
	64QAM	Low	3585.00	9.40	9.64	9.51	10.02
		Middle	3625.00	9.67	9.43	9.43	9.24
		High	3665.00	9.43	9.54	9.69	9.47
	256QAM	Low	3585.00	9.55	9.29	9.16	9.29
		Middle	3625.00	9.36	10.07	9.45	9.30
		High	3665.00	9.46	9.59	9.52	9.33
Port 2	QPSK	Low	3585.00	9.28	9.22	9.37	9.32
		Middle	3625.00	9.14	9.19	9.21	9.90
		High	3665.00	9.60	9.34	9.50	9.41
	16QAM	Low	3585.00	9.47	9.68	9.92	9.49
		Middle	3625.00	9.50	9.69	9.78	9.68
		High	3665.00	9.51	9.69	9.60	9.67
	64QAM	Low	3585.00	10.10	9.32	9.43	9.44



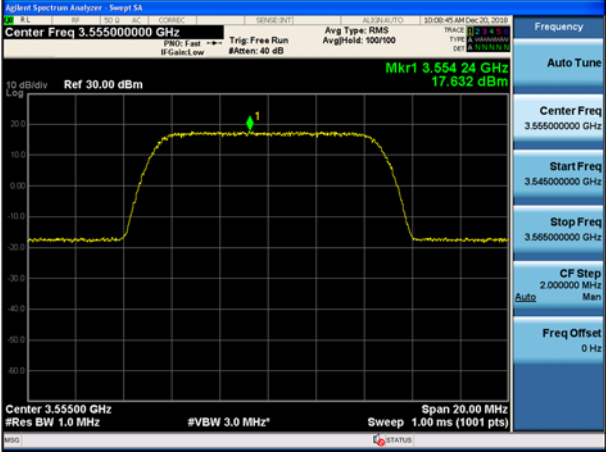
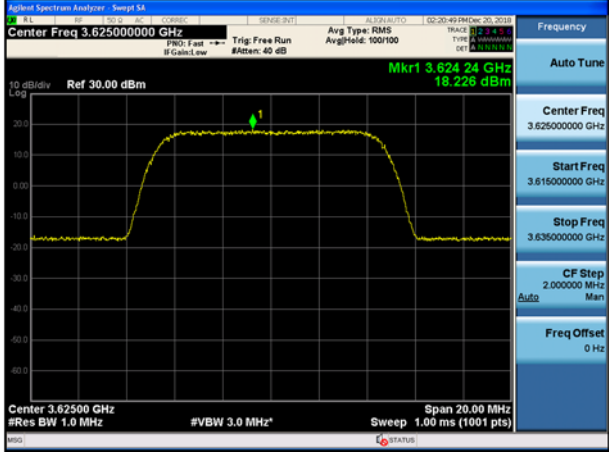
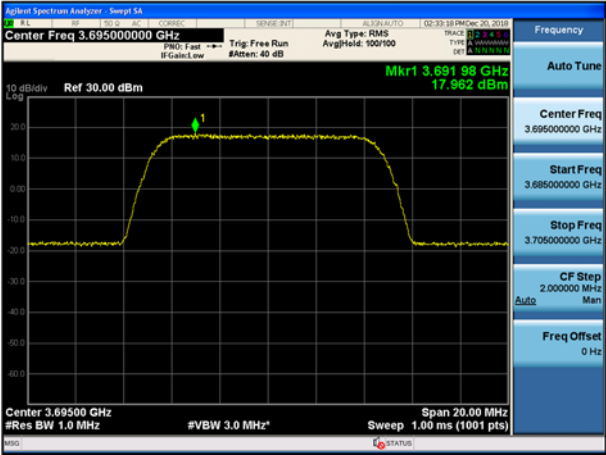
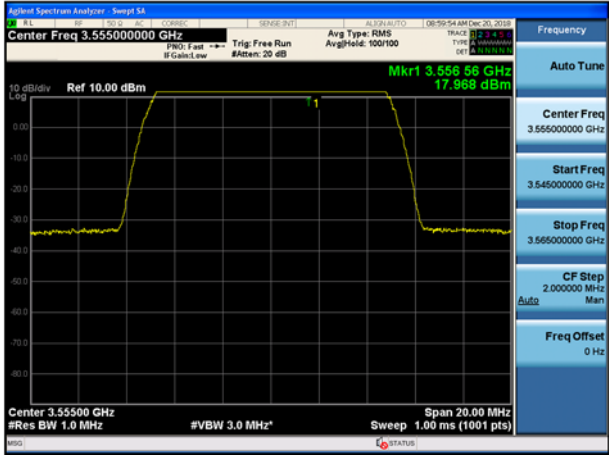
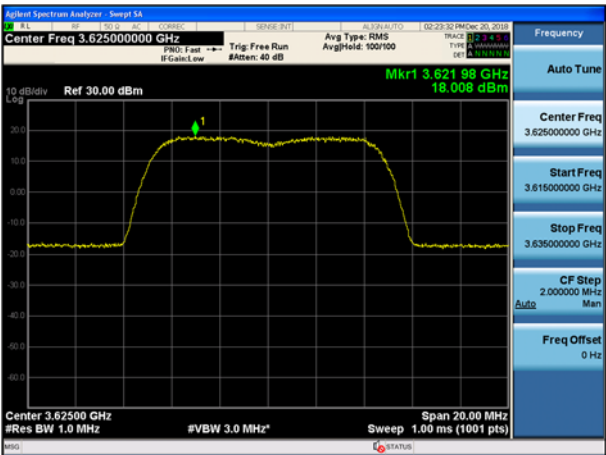
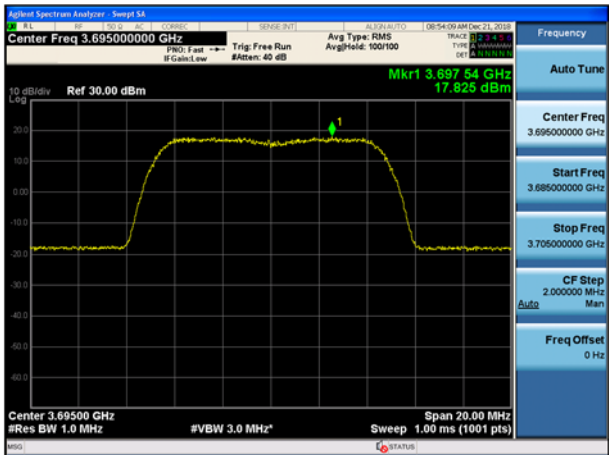
Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	9.87	9.29	9.83	9.46
		High	3665.00	9.53	9.32	10.05	9.37
	256QAM	Low	3585.00	9.10	9.27	9.34	9.28
		Middle	3625.00	8.99	10.05	9.47	9.31
		High	3665.00	9.85	9.57	9.46	9.59
Port 3	QPSK	Low	3585.00	9.56	9.45	9.66	9.65
		Middle	3625.00	9.89	9.24	9.31	9.84
		High	3665.00	9.49	9.07	9.56	9.49
	16QAM	Low	3585.00	9.94	9.37	9.70	9.70
		Middle	3625.00	9.51	9.39	9.56	9.58
		High	3665.00	9.75	9.52	10.03	9.68
	64QAM	Low	3585.00	9.76	9.69	9.05	9.62
		Middle	3625.00	9.79	9.40	9.52	9.40
		High	3665.00	9.53	9.59	9.97	9.22
	256QAM	Low	3585.00	9.47	9.63	9.60	9.39
		Middle	3625.00	9.41	9.15	9.22	9.36
		High	3665.00	9.49	9.30	9.56	9.24

20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
Port 0	QPSK	Low	3590.00	9.44	9.58	9.33	8.80
		Middle	3625.00	9.27	9.17	9.27	8.99
		High	3660.00	9.18	9.56	9.31	9.29
	16QAM	Low	3590.00	9.41	9.46	9.59	9.36
		Middle	3625.00	10.19	9.39	9.69	9.19
		High	3660.00	9.84	9.79	9.96	10.14
	64QAM	Low	3590.00	9.50	9.05	9.63	9.36
		Middle	3625.00	9.39	9.69	9.80	9.24
		High	3660.00	9.68	10.22	9.64	9.62
	256QAM	Low	3590.00	9.49	9.37	9.56	8.98
		Middle	3625.00	9.07	9.73	9.63	9.53
		High	3660.00	9.96	9.75	9.49	9.72
Port 1	QPSK	Low	3590.00	9.26	9.42	9.64	9.37
		Middle	3625.00	9.58	8.98	9.64	9.24
		High	3660.00	9.52	9.01	9.18	9.39
	16QAM	Low	3590.00	9.51	9.40	10.29	9.62
		Middle	3625.00	9.59	9.75	9.51	9.70
		High	3660.00	9.79	9.52	9.56	9.72
	64QAM	Low	3590.00	9.51	9.22	9.76	9.65
		Middle	3625.00	9.27	9.59	9.29	9.68
		High	3660.00	9.31	9.24	9.57	9.67
	256QAM	Low	3590.00	9.50	9.14	10.21	9.42
		Middle	3625.00	9.51	9.06	9.62	9.09
		High	3660.00	9.90	9.05	9.68	9.77
Port 2	QPSK	Low	3590.00	9.53	9.40	9.59	9.37
		Middle	3625.00	9.75	9.36	9.14	9.02
		High	3660.00	9.52	9.28	9.26	8.90
	16QAM	Low	3590.00	9.94	9.75	10.01	9.79
		Middle	3625.00	9.38	9.69	9.77	9.65
		High	3660.00	9.69	9.74	10.05	9.66
	64QAM	Low	3590.00	9.06	9.22	9.67	9.41

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB) 1	0.1 % PAPR (dB) 2	0.1 % PAPR (dB) 3	0.1 % PAPR (dB) 4
		Middle	3625.00	10.04	9.61	9.54	9.57
		High	3660.00	9.52	9.53	9.52	9.46
	256QAM	Low	3590.00	9.60	9.41	9.76	9.47
		Middle	3625.00	9.62	9.67	9.21	9.85
		High	3660.00	9.75	9.84	9.62	8.76
Port 3	QPSK	Low	3590.00	9.46	9.41	9.68	9.13
		Middle	3625.00	9.44	9.41	10.61	9.54
		High	3660.00	10.03	10.00	8.81	9.96
	16QAM	Low	3590.00	9.33	9.44	9.74	9.64
		Middle	3625.00	9.64	9.97	9.72	10.00
		High	3660.00	9.45	10.10	9.45	9.81
	64QAM	Low	3590.00	9.71	9.61	10.03	9.32
		Middle	3625.00	9.83	9.31	9.66	9.76
		High	3660.00	9.55	9.26	9.43	9.90
	256QAM	Low	3590.00	9.81	9.50	9.33	9.76
		Middle	3625.00	9.54	9.95	9.08	9.43
		High	3660.00	9.09	9.41	9.65	9.34

[Max Power for External Ant] Plots of PSD and Output Power - 10 MHz Bandwidth / 1 Carriers

Port 0			
Modulation:	QPSK	Modulation:	QPSK
Channel:	Low	Channel:	Middle
 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 3.55500000 GHz Mkr1 3.554 24 GHz 17.632 dBm Center Freq 3.55500000 GHz Start Freq 3.54500000 GHz Stop Freq 3.56500000 GHz CF Step 2.000000 MHz Freq Offset 0 Hz Center 3.55500 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 20.00 MHz Sweep 1.00 ms (1001 pts)</p>		 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 3.62500000 GHz Mkr1 3.624 24 GHz 18.226 dBm Center Freq 3.62500000 GHz Start Freq 3.61500000 GHz Stop Freq 3.63500000 GHz CF Step 2.000000 MHz Freq Offset 0 Hz Center 3.62500 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 20.00 MHz Sweep 1.00 ms (1001 pts)</p>	
Modulation:	QPSK	Modulation:	16QAM
Channel:	High	Channel:	Low
 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 3.69500000 GHz Mkr1 3.691 98 GHz 17.962 dBm Center Freq 3.69500000 GHz Start Freq 3.68500000 GHz Stop Freq 3.70500000 GHz CF Step 2.000000 MHz Freq Offset 0 Hz Center 3.69500 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 20.00 MHz Sweep 1.00 ms (1001 pts)</p>		 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 3.55500000 GHz Mkr1 3.556 56 GHz 17.988 dBm Center Freq 3.55500000 GHz Start Freq 3.54500000 GHz Stop Freq 3.56500000 GHz CF Step 2.000000 MHz Freq Offset 0 Hz Center 3.55500 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 20.00 MHz Sweep 1.00 ms (1001 pts)</p>	
Modulation:	16QAM	Modulation:	16QAM
Channel:	Middle	Channel:	High
 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 3.62500000 GHz Mkr1 3.621 98 GHz 18.008 dBm Center Freq 3.62500000 GHz Start Freq 3.61500000 GHz Stop Freq 3.63500000 GHz CF Step 2.000000 MHz Freq Offset 0 Hz Center 3.62500 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 20.00 MHz Sweep 1.00 ms (1001 pts)</p>		 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 3.69500000 GHz Mkr1 3.697 54 GHz 17.825 dBm Center Freq 3.69500000 GHz Start Freq 3.68500000 GHz Stop Freq 3.70500000 GHz CF Step 2.000000 MHz Freq Offset 0 Hz Center 3.69500 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 20.00 MHz Sweep 1.00 ms (1001 pts)</p>	

Port 0			
Modulation:	64QAM	Modulation:	64QAM
Channel:	Low	Channel:	Middle
Modulation:	64QAM	Modulation:	256QAM
Channel:	High	Channel:	Low
Modulation:	256QAM	Modulation:	256QAM
Channel:	Middle	Channel:	High

Port 1			
Modulation:	QPSK	Modulation:	QPSK
Channel:	Low	Channel:	Middle
Modulation:	QPSK	Modulation:	16QAM
Channel:	High	Channel:	Low
Modulation:	16QAM	Modulation:	16QAM
Channel:	Middle	Channel:	High

Port 1			
Modulation:	64QAM	Modulation:	64QAM
Channel:	Low	Channel:	Middle
Modulation:	64QAM	Modulation:	256QAM
Channel:	High	Channel:	Low
Modulation:	256QAM	Modulation:	256QAM
Channel:	Middle	Channel:	High