

# FCC REPORT

## Certification

**Applicant Name:**  
SAMSUNG Electronics Co., Ltd.

**Date of Issue:**  
March 28, 2019

**Address:**  
129, Samsung-ro, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, 16677, Rep. of Korea

**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.<br>- 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.<br>- Changed the Rule Part of Unwanted conducted emissions.<br>- We have added Note to Unwanted conducted emissions.<br>- 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,<br>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<br/>(G7D)</td><td>16QAM/64QAM/256QAM<br/>(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<br/>(G7D)</td><td>16QAM/64QAM/256QAM<br/>(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<br/>(G7D)</td><td>16QAM/64QAM/256QAM<br/>(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<br/>(G7D)</td><td>16QAM/64QAM/256QAM<br/>(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<br/>(G7D)</td><td>16QAM/64QAM/256QAM<br/>(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<br/>(G7D)</td><td>16QAM/64QAM/256QAM<br/>(W7D)</td> </tr> <tr> <td>28M9G7D</td><td>28M9W7D</td> </tr> </tbody> </table> <p>*Note : 10 + 10 + 10 MHz BW</p> | Emission Designator |  | QPSK<br>(G7D) | 16QAM/64QAM/256QAM<br>(W7D) | 9M00G7D | 9M01W7D | Emission Designator |  | QPSK<br>(G7D) | 16QAM/64QAM/256QAM<br>(W7D) | 17M9G7D | 18M0W7D | Emission Designator |  | QPSK<br>(G7D) | 16QAM/64QAM/256QAM<br>(W7D) | 18M9G7D | 19M0W7D | Emission Designator |  | QPSK<br>(G7D) | 16QAM/64QAM/256QAM<br>(W7D) | 28M4G7D | 28M5W7D | Emission Designator |  | QPSK<br>(G7D) | 16QAM/64QAM/256QAM<br>(W7D) | 37M8G7D | 37M9W7D | Emission Designator |  | QPSK<br>(G7D) | 16QAM/64QAM/256QAM<br>(W7D) | 28M9G7D | 28M9W7D |
| Emission Designator |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| 9M00G7D             | 9M01W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| Emission Designator |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| 17M9G7D             | 18M0W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| Emission Designator |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| 18M9G7D             | 19M0W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| Emission Designator |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| 28M4G7D             | 28M5W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| Emission Designator |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| 37M8G7D             | 37M9W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| Emission Designator |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |
| 28M9G7D             | 28M9W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |                     |  |               |                             |         |         |

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 38M4G7D             | 38M4W7D                     |

\*Note : 20 + 10 + 10 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 48M3G7D             | 48M5W7D                     |

\*Note : 20 + 20 + 10 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 57M7G7D             | 57M8W7D                     |

\*Note : 20 + 20 + 20 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 38M8G7D             | 38M0W7D                     |

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

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 48M3G7D             | 48M3W7D                     |

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

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 58M2G7D             | 58M2W7D                     |

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

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 68M3G7D             | 68M3W7D                     |

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

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 77M6G7D             | 77M7W7D                     |

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

#### Minimum Power

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 9M01G7D             | 9M01W7D                     |

\*Note : 10 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 17M9G7D             | 17M9W7D                     |

\*Note : 20 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 18M9G7D             | 18M9W7D                     |

\*Note : 10 + 10 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 28M4G7D             | 28M4W7D                     |

\*Note : 20 + 10 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 37M9G7D             | 37M9W7D                     |

\*Note : 20 + 20 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 28M9G7D             | 28M9W7D                     |

\*Note : 10 + 10 + 10 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 38M3G7D             | 38M4W7D                     |

\*Note : 20 + 10 + 10 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 48M3G7D             | 48M4W7D                     |

\*Note : 20 + 20 + 10 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 57M7G7D             | 54M8W7D                     |

\*Note : 20 + 20 + 20 MHz BW

| Emission Designator |                             |
|---------------------|-----------------------------|
| QPSK<br>(G7D)       | 16QAM/64QAM/256QAM<br>(W7D) |
| 38M8G7D             | 38M8W7D                     |

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

|                       | <table><tr><th colspan="2">Emission Designator</th></tr><tr><td>QPSK (G7D)</td><td>16QAM/64QAM/256QAM (W7D)</td></tr><tr><td>48M3G7D</td><td>48M3W7D</td></tr></table> <p>*Note : 20 + 10 + 10 + 10 MHz BW</p> <table><tr><th colspan="2">Emission Designator</th></tr><tr><td>QPSK (G7D)</td><td>16QAM/64QAM/256QAM (W7D)</td></tr><tr><td>58M2G7D</td><td>58M3W7D</td></tr></table> <p>*Note : 20 + 20 + 10 + 10 MHz BW</p> <table><tr><th colspan="2">Emission Designator</th></tr><tr><td>QPSK (G7D)</td><td>16QAM/64QAM/256QAM (W7D)</td></tr><tr><td>68M2G7D</td><td>68M3W7D</td></tr></table> <p>*Note : 20 + 20 + 20 + 10 MHz BW</p> <table><tr><th colspan="2">Emission Designator</th></tr><tr><td>QPSK (G7D)</td><td>16QAM/64QAM/256QAM (W7D)</td></tr><tr><td>77M7G7D</td><td>77M6W7D</td></tr></table> <p>*Note : 20 + 20 + 20 + 20 MHz BW</p> | Emission Designator |  | QPSK (G7D) | 16QAM/64QAM/256QAM (W7D) | 48M3G7D | 48M3W7D | Emission Designator |  | QPSK (G7D) | 16QAM/64QAM/256QAM (W7D) | 58M2G7D | 58M3W7D | Emission Designator |  | QPSK (G7D) | 16QAM/64QAM/256QAM (W7D) | 68M2G7D | 68M3W7D | Emission Designator |  | QPSK (G7D) | 16QAM/64QAM/256QAM (W7D) | 77M7G7D | 77M6W7D |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|------------|--------------------------|---------|---------|---------------------|--|------------|--------------------------|---------|---------|---------------------|--|------------|--------------------------|---------|---------|---------------------|--|------------|--------------------------|---------|---------|
| Emission Designator   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| QPSK (G7D)            | 16QAM/64QAM/256QAM (W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| 48M3G7D               | 48M3W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| Emission Designator   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| QPSK (G7D)            | 16QAM/64QAM/256QAM (W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| 58M2G7D               | 58M3W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| Emission Designator   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| QPSK (G7D)            | 16QAM/64QAM/256QAM (W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| 68M2G7D               | 68M3W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| Emission Designator   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| QPSK (G7D)            | 16QAM/64QAM/256QAM (W7D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| 77M7G7D               | 77M6W7D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |
| 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<br/>External Antenna Max Gain : 8 dBi<br/>4 Tx MIMO : All Correlated, 2 Port Co-Polarized (Cross-pol)</p> <div><p>Cross-Pol</p><p>Co-pol Co-pol</p><p>0 1 2 3</p><p>All Tx Correlated</p></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |                     |  |            |                          |         |         |

### 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.<br>74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do,<br>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

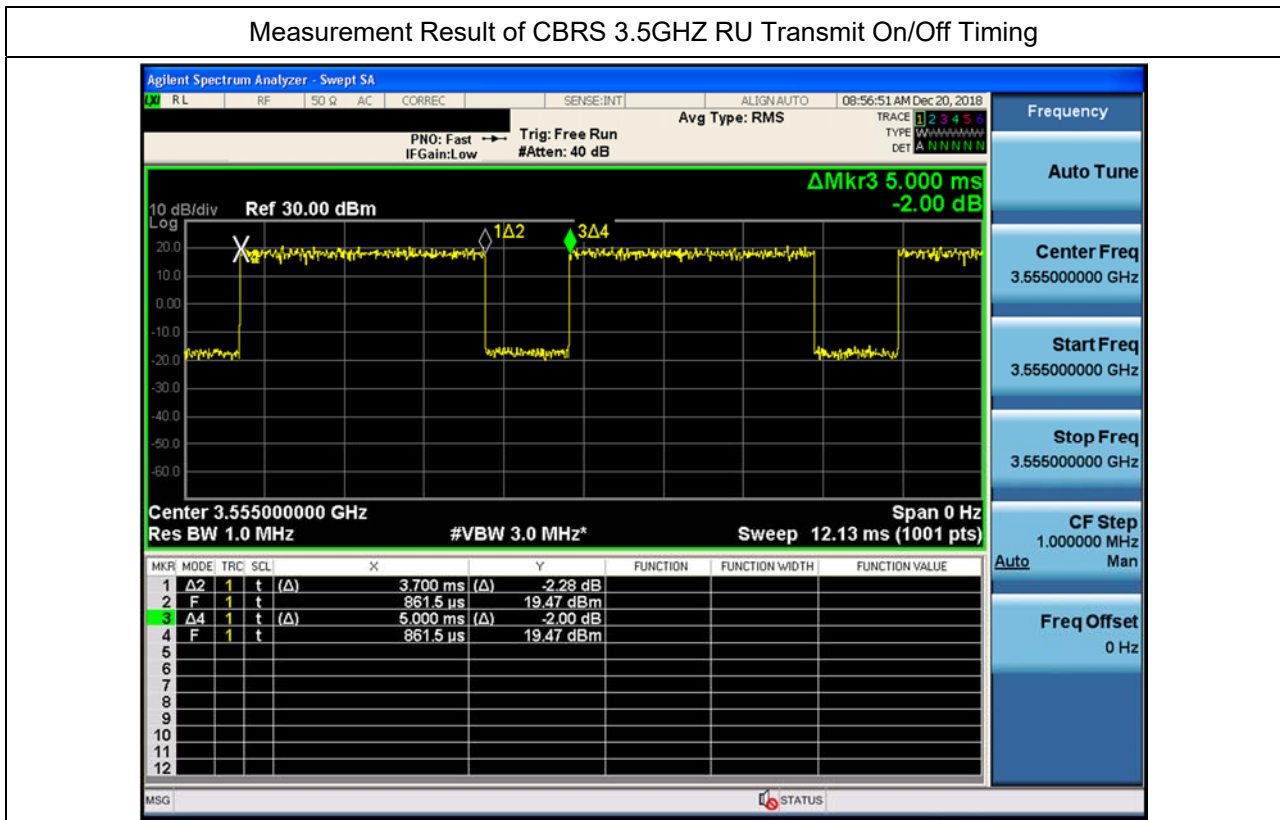
#### 3.1. STANDARDS

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.

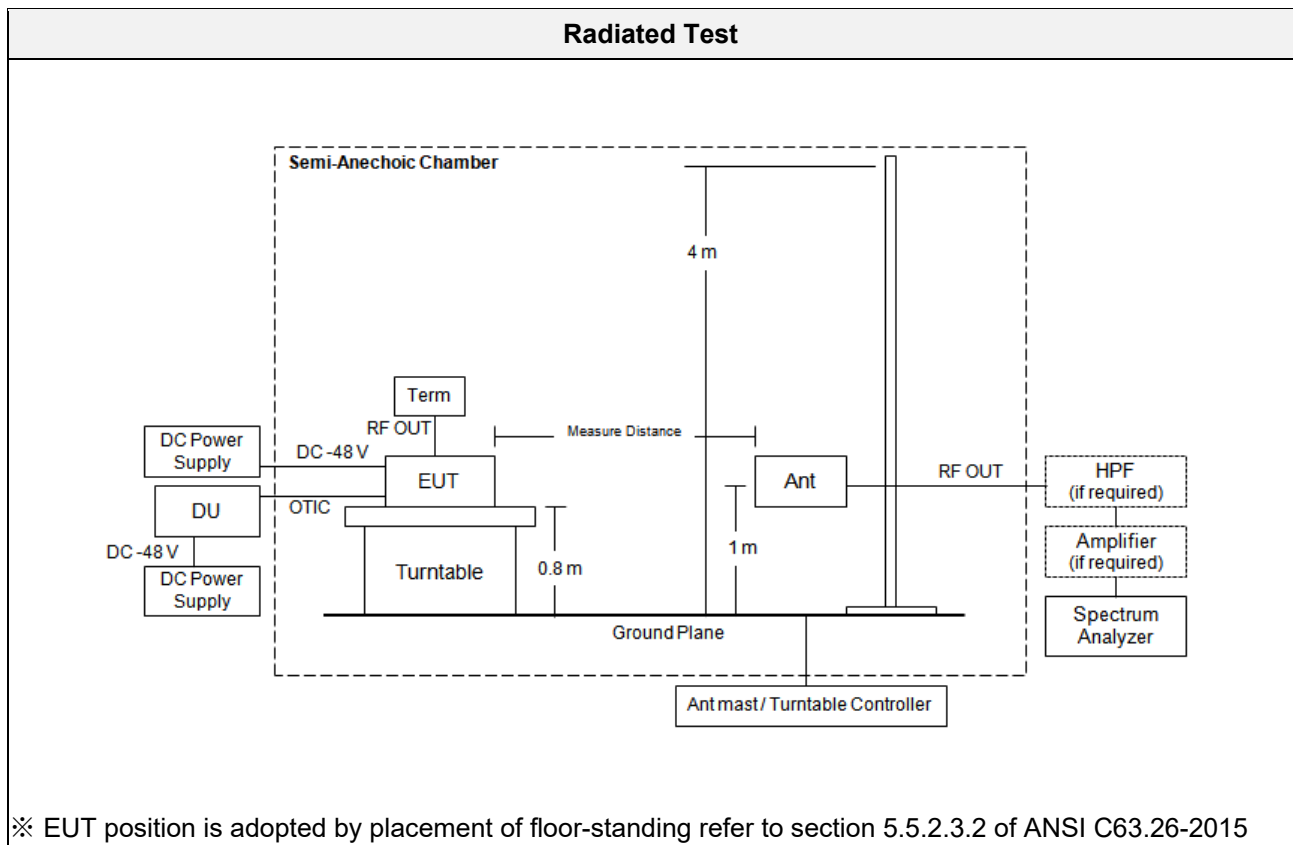
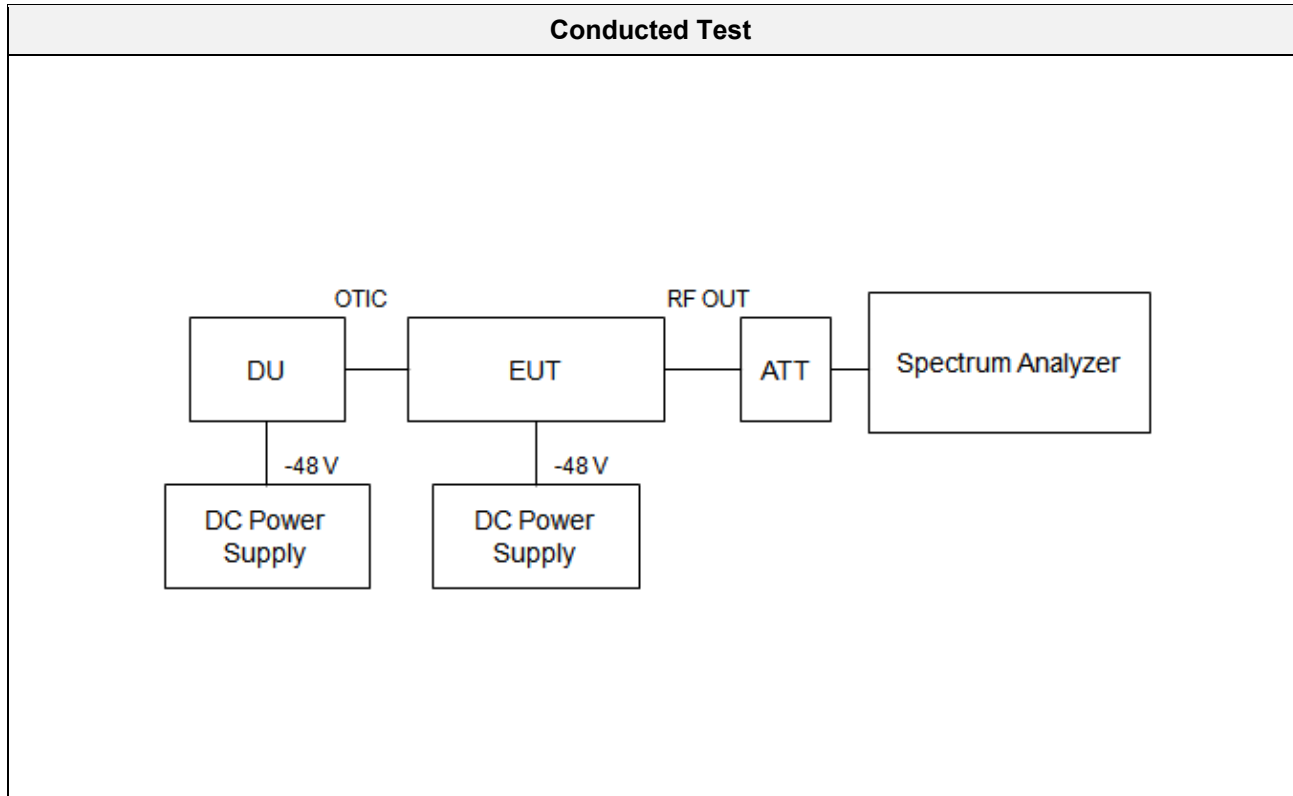
Coverage factor  $k = 2$ , Confidence levels of 95 %

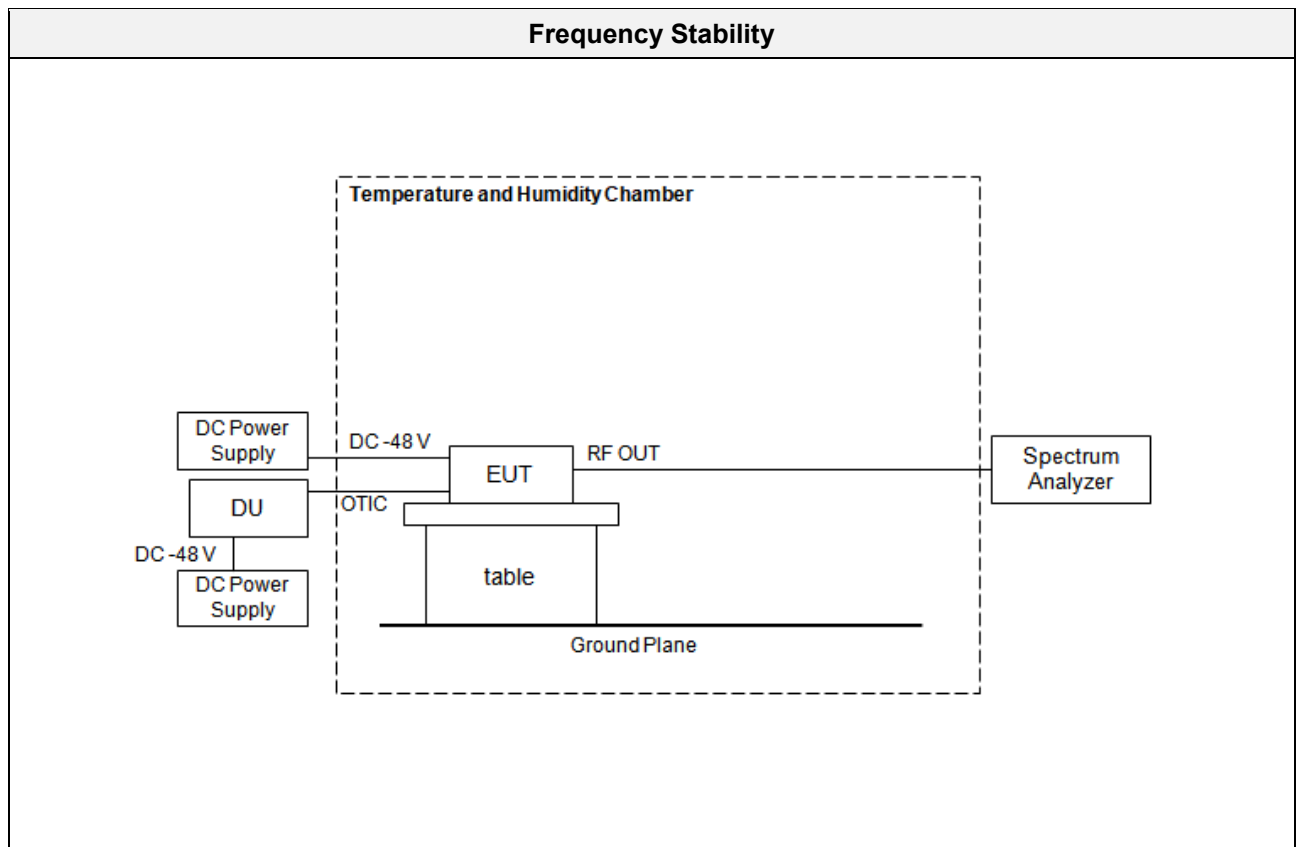
| Description                    | Condition         | Uncertainty               |
|--------------------------------|-------------------|---------------------------|
| RF Output Power                | -                 | $\pm 0.72$ dB             |
| Occupied Bandwidth             | OBW $\leq 20$ MHz | $\pm 52$ 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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        | 0.781 |
|        |            | 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<br>(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

- 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<br>(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<br>(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        | 0.708 |
|        |            | 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<br>(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

- 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<br>(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<br>(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        | 0.739 |
|        |            | 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<br>(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

- 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<br>(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<br>(MHz) | Output Power |       |
|--------|------------|---------|--------------------|--------------|-------|
|        |            |         |                    | (dBm/10 MHz) | (W)   |
|        |            | 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 |
| Port 3 | 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<br>(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

- 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<br>(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<br>(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        | 0.733 |
|        |            | 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<br>(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<br>(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<br>(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        | 0.747 |
|        |            | 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<br>(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<br>(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<br>(MHz) | Output Power |       |
|--------|------------|---------|--------------------|--------------|-------|
|        |            |         |                    | (dBm/10 MHz) | (W)   |
|        |            | Middle  | 3625.00            | 29.14        | 0.821 |
|        |            | High    | 3675.00            | 29.37        | 0.864 |
|        | 256QAM     | Low     | 3575.00            | 29.04        | 0.802 |
|        |            | Middle  | 3625.00            | 29.21        | 0.833 |
|        |            | High    | 3675.00            | 29.46        | 0.882 |
| Port 3 | QPSK       | Low     | 3575.00            | 28.72        | 0.744 |
|        |            | Middle  | 3625.00            | 29.21        | 0.833 |
|        |            | High    | 3675.00            | 29.49        | 0.888 |
|        | 16QAM      | Low     | 3575.00            | 28.61        | 0.726 |
|        |            | Middle  | 3625.00            | 28.95        | 0.785 |
|        |            | High    | 3675.00            | 29.44        | 0.880 |
|        | 64QAM      | Low     | 3575.00            | 28.62        | 0.728 |
|        |            | Middle  | 3625.00            | 29.23        | 0.837 |
|        |            | High    | 3675.00            | 29.35        | 0.861 |
|        | 256QAM     | Low     | 3575.00            | 28.86        | 0.769 |
|        |            | Middle  | 3625.00            | 29.31        | 0.854 |
|        |            | High    | 3675.00            | 29.36        | 0.862 |

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

| Modulation | Channel | Frequency (MHz) | Summed EIRP Output Power<br>(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

- 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<br>(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<br>(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        | 0.728 |
|        |            | 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<br>(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

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

**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<br>(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

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

**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<br>(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

- 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<br>(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<br>(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        | 0.713 |
|        |            | 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<br>(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<br>(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<br>(MHz) | Output Power |       |
|--------|------------|---------|--------------------|--------------|-------|
|        |            |         |                    | (dBm/10 MHz) | (W)   |
|        |            | 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 |
| Port 3 | 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<br>(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<br>(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<br>(MHz) | Output Power |       |
|--------|------------|---------|--------------------|--------------|-------|
|        |            |         |                    | (dBm/10 MHz) | (W)   |
|        |            | Middle  | 3625.00            | 29.05        | 0.804 |
|        |            | High    | 3660.00            | 29.05        | 0.803 |
|        | 256QAM     | Low     | 3590.00            | 29.09        | 0.811 |
|        |            | Middle  | 3625.00            | 29.19        | 0.830 |
|        |            | High    | 3660.00            | 28.86        | 0.769 |
| Port 3 | QPSK       | Low     | 3590.00            | 28.83        | 0.763 |
|        |            | Middle  | 3625.00            | 28.99        | 0.793 |
|        |            | High    | 3660.00            | 29.17        | 0.826 |
|        | 16QAM      | Low     | 3590.00            | 28.95        | 0.786 |
|        |            | Middle  | 3625.00            | 29.18        | 0.827 |
|        |            | High    | 3660.00            | 28.86        | 0.769 |
|        | 64QAM      | Low     | 3590.00            | 29.29        | 0.848 |
|        |            | Middle  | 3625.00            | 29.06        | 0.806 |
|        |            | High    | 3660.00            | 29.12        | 0.817 |
|        | 256QAM     | Low     | 3590.00            | 28.81        | 0.760 |
|        |            | Middle  | 3625.00            | 29.09        | 0.810 |
|        |            | High    | 3660.00            | 28.93        | 0.781 |

**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<br>(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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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        | 0.245 |
|        |            | 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<br>(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

- 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<br>(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<br>(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        | 0.245 |
|        |            | 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<br>(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

- 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<br>(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<br>(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        | 0.240 |
|        |            | 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<br>(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

- 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<br>(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<br>(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        | 0.276 |
|        |            | 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<br>(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

- 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<br>(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<br>(MHz) | Output Power |       |
|--------|------------|---------|--------------------|--------------|-------|
|        |            |         |                    | (dBm/10 MHz) | (W)   |
|        |            | 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 |
| Port 3 | 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<br>(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

- 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<br>(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<br>(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        | 0.274 |
|        |            | 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<br>(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

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

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

| Modulation | Channel | Frequency (MHz) | Summed EIRP Output Power<br>(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

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

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

| Modulation | Channel | Frequency (MHz) | Summed EIRP Output Power<br>(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

- 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<br>(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<br>(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        | 0.250 |
|        |            | 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<br>(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

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

**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<br>(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

- 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<br>(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<br>(MHz) | Output Power |       |
|--------|------------|---------|--------------------|--------------|-------|
|        |            |         |                    | (dBm/10 MHz) | (W)   |
|        |            | Middle  | 3625.00            | 24.91        | 0.310 |
|        |            | High    | 3670.00            | 24.91        | 0.310 |
|        | 256QAM     | Low     | 3580.00            | 24.14        | 0.259 |
|        |            | Middle  | 3625.00            | 24.62        | 0.290 |
|        |            | High    | 3670.00            | 24.88        | 0.307 |
| Port 3 | QPSK       | Low     | 3580.00            | 24.40        | 0.275 |
|        |            | Middle  | 3625.00            | 24.51        | 0.282 |
|        |            | High    | 3670.00            | 24.85        | 0.305 |
|        | 16QAM      | Low     | 3580.00            | 24.17        | 0.261 |
|        |            | 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<br>(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

- 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<br>(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<br>(MHz) | Output Power |       |
|--------|------------|---------|--------------------|--------------|-------|
|        |            |         |                    | (dBm/10 MHz) | (W)   |
|        |            | 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 |
| Port 3 | 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<br>(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

- 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<br>(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<br>(MHz) | Output Power |       |
|--------|------------|---------|--------------------|--------------|-------|
|        |            |         |                    | (dBm/10 MHz) | (W)   |
|        |            | 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 |
| Port 3 | 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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(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<br>(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<br>(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

- 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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(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<br>3 | QPSK       | Low     | 3570.00            | 9.94                 | 9.57                 | 9.62                 | 9.51                 |
|           |            | 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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(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<br>3 | QPSK       | Low     | 3570.00            | 9.71                 | 9.84                 | 9.28                 | 9.73                 |
|           |            | 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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(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<br>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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(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<br>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<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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                 |

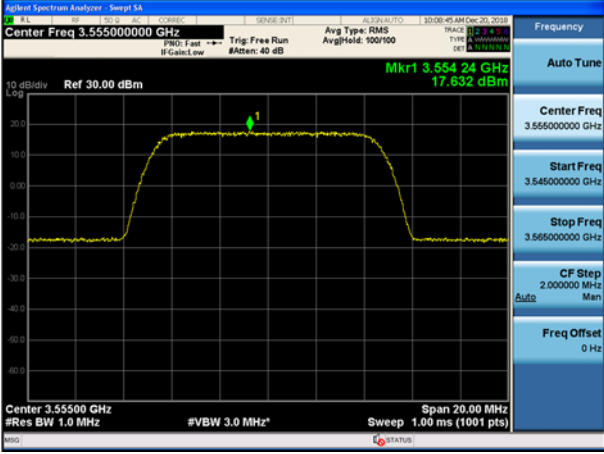
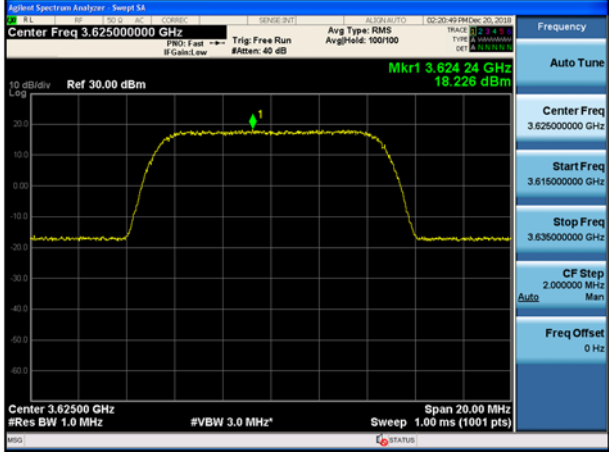
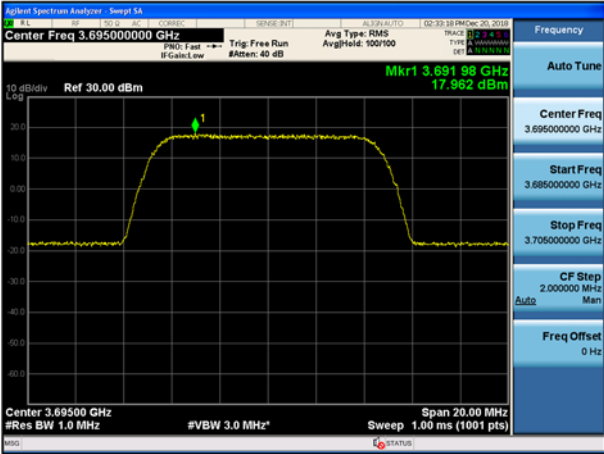
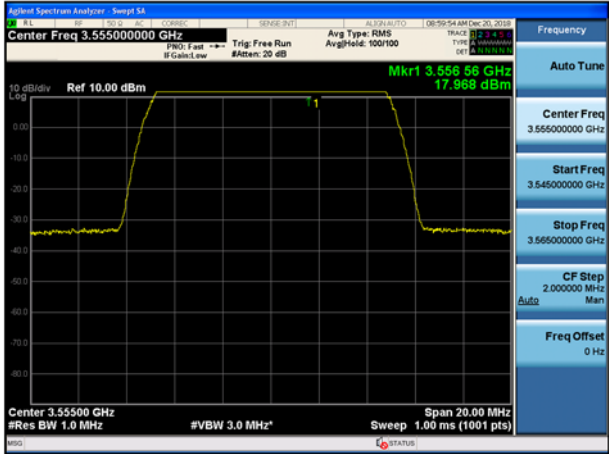
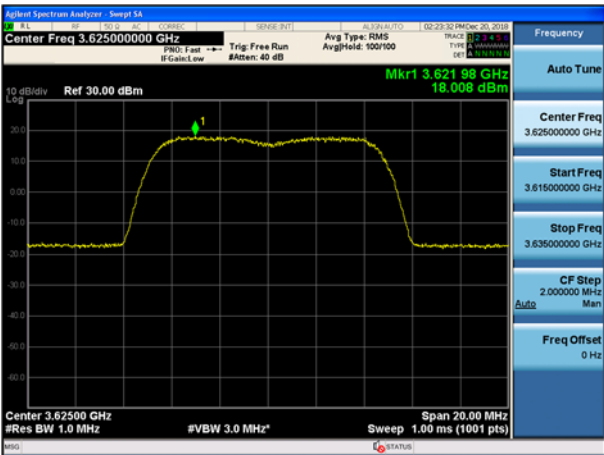
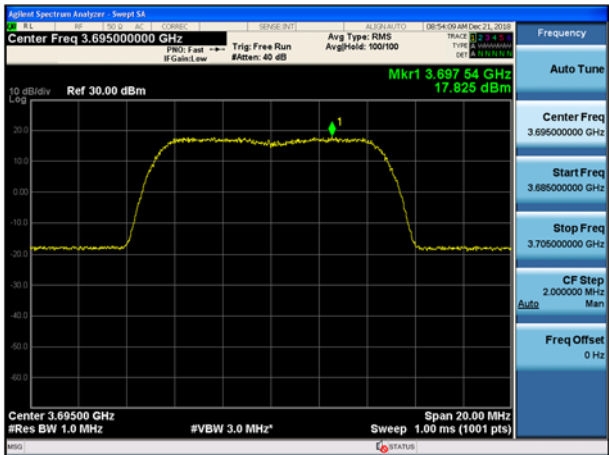
| Port      | Modulation | Channel | Frequency<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
|           |            | 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<br>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                 |

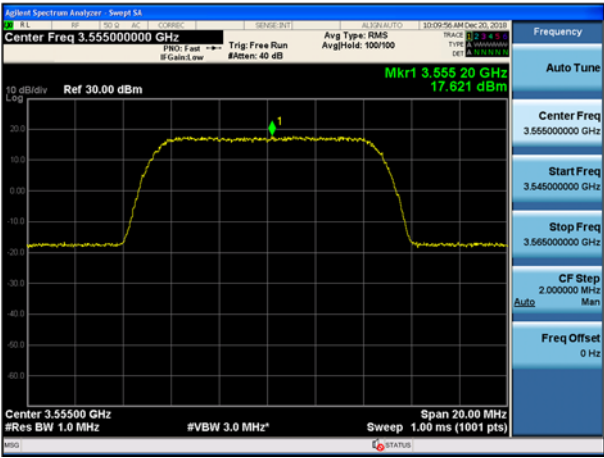
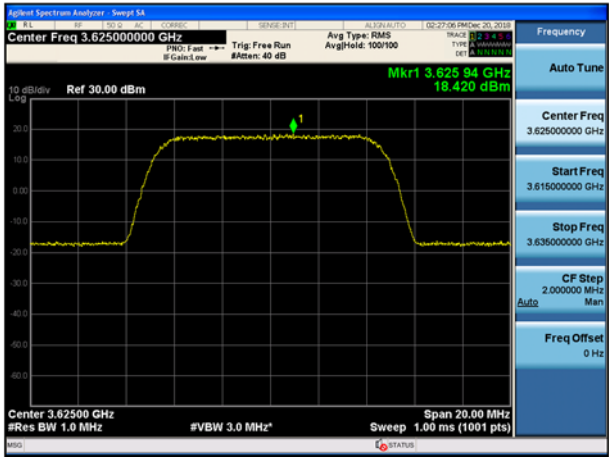
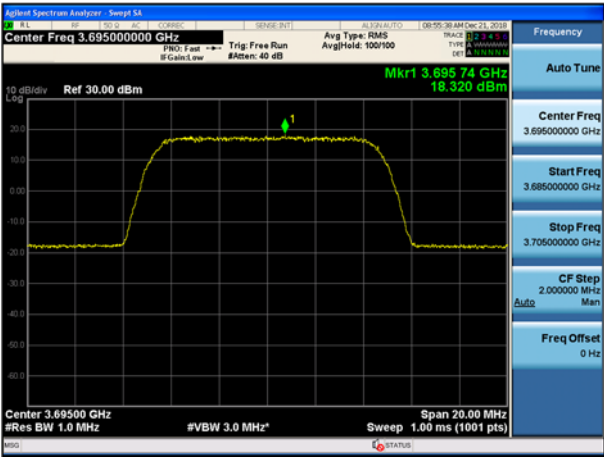
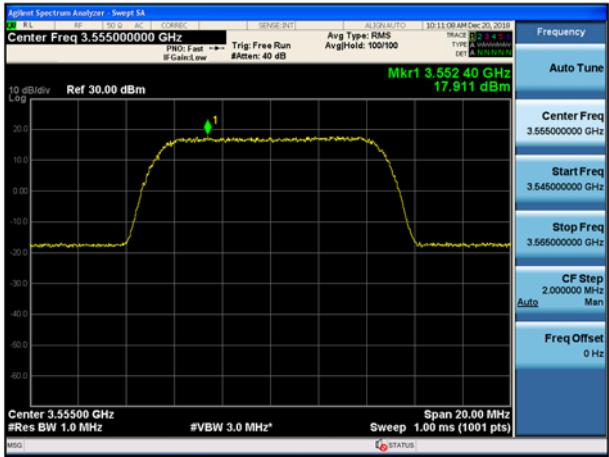
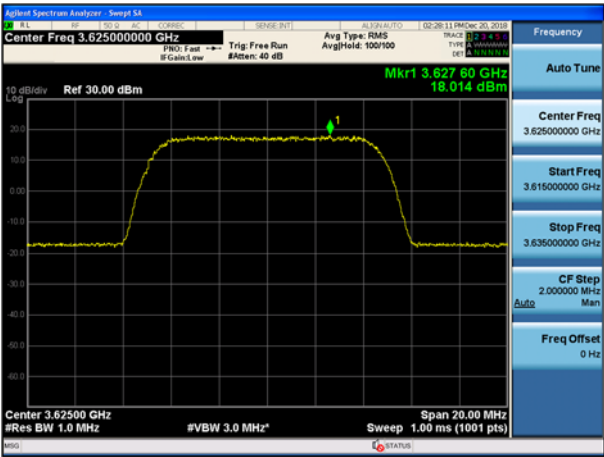
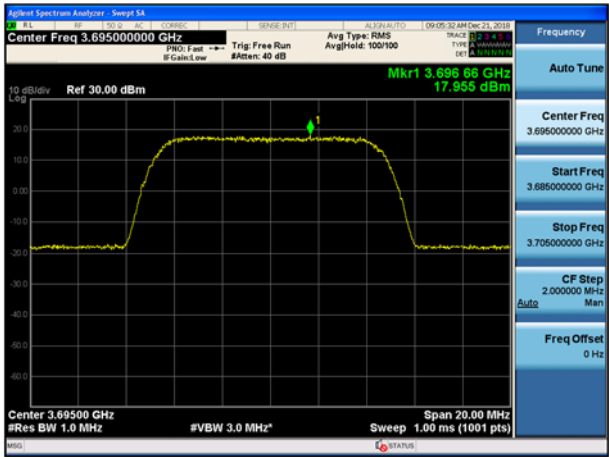
20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth + 20 MHz Bandwidth/ 4 Carriers

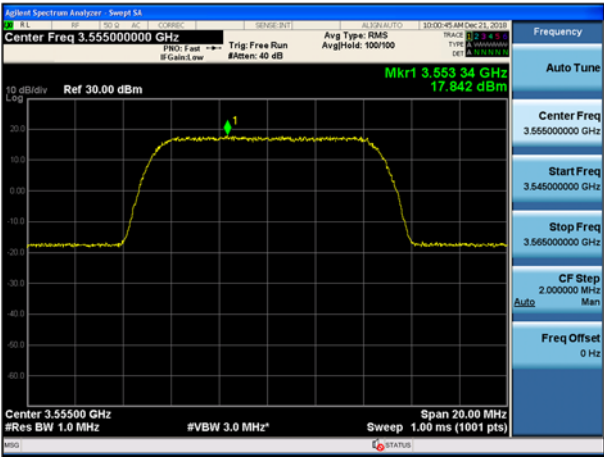
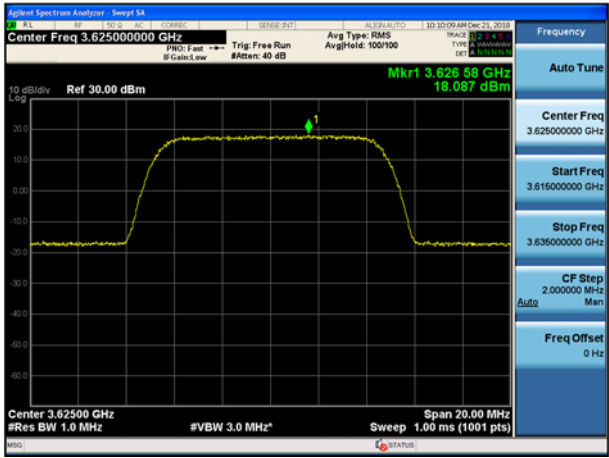
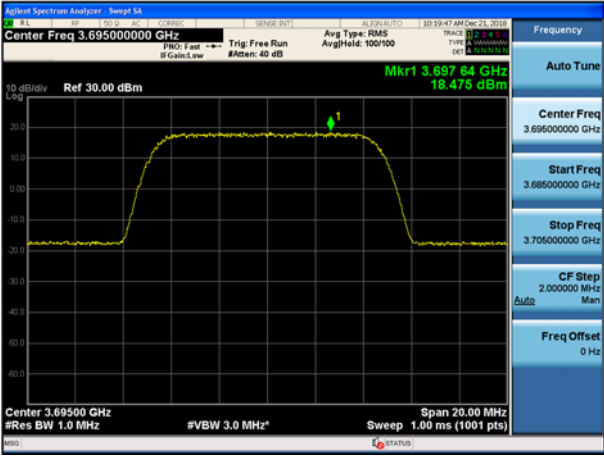
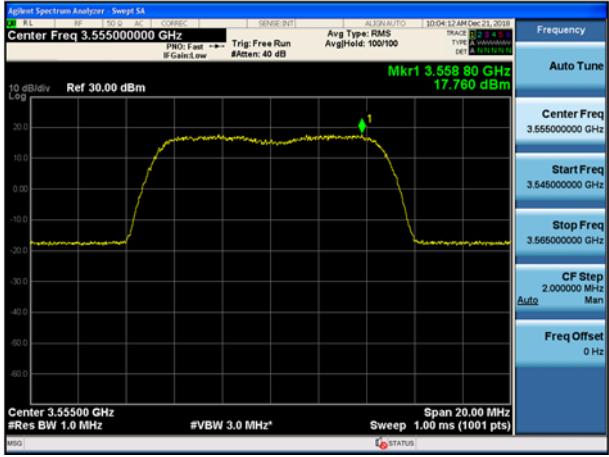
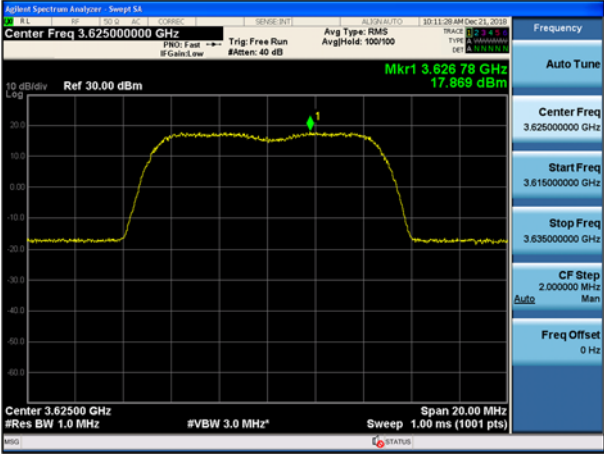
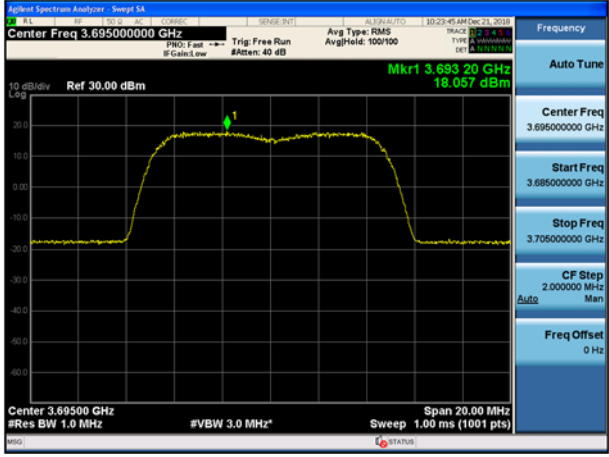
| Port      | Modulation | Channel | Frequency<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Port<br>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<br>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<br>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                 |

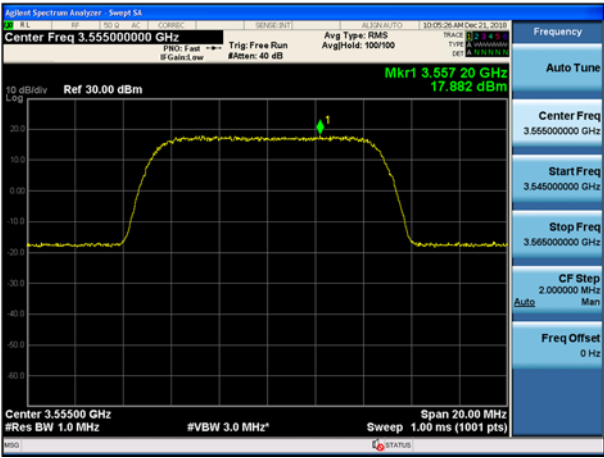
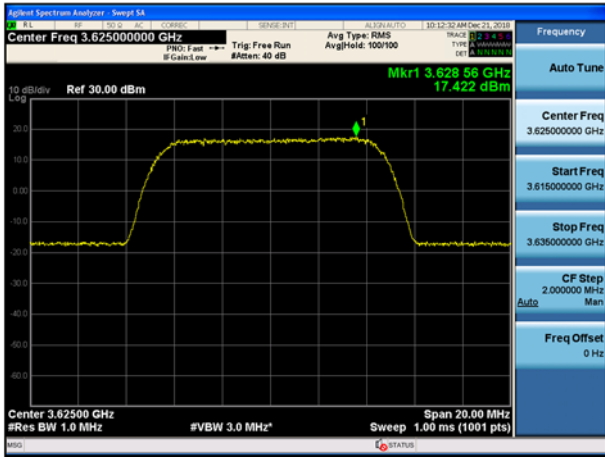
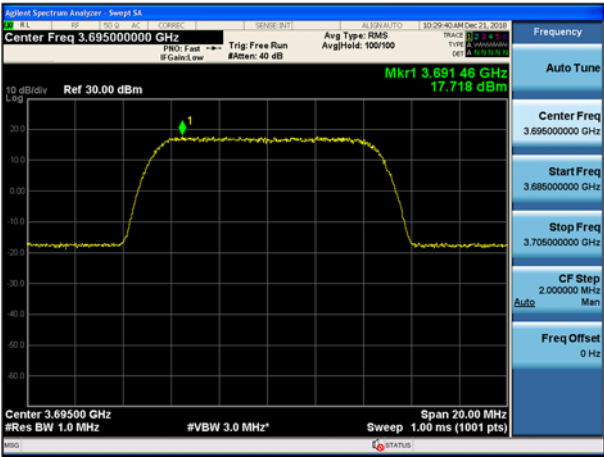
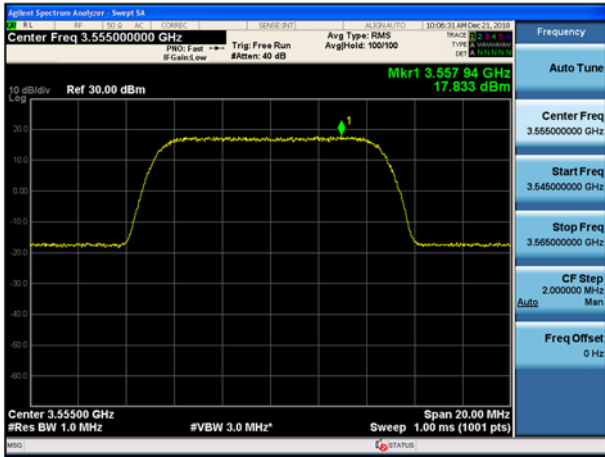
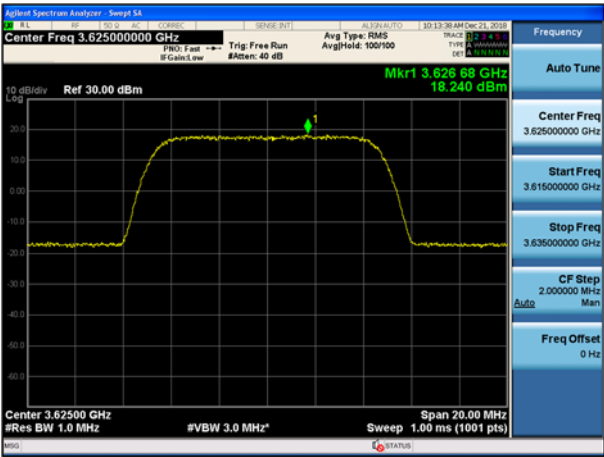
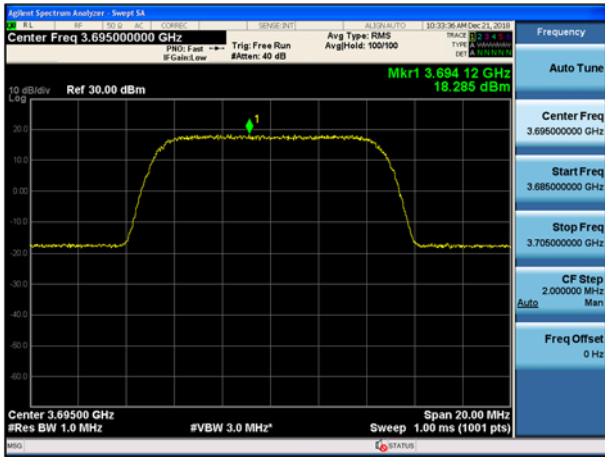
| Port      | Modulation | Channel | Frequency<br>(MHz) | 0.1 % PAPR<br>(dB) 1 | 0.1 % PAPR<br>(dB) 2 | 0.1 % PAPR<br>(dB) 3 | 0.1 % PAPR<br>(dB) 4 |
|-----------|------------|---------|--------------------|----------------------|----------------------|----------------------|----------------------|
|           |            | 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<br>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 |
|    |        |    |        |
| Modulation:                                                                         | QPSK   | Modulation:                                                                          | 16QAM  |
| Channel:                                                                            | High   | Channel:                                                                             | Low    |
|   |        |   |        |
| Modulation:                                                                         | 16QAM  | Modulation:                                                                          | 16QAM  |
| Channel:                                                                            | Middle | Channel:                                                                             | High   |
|  |        |  |        |

| 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   |
|  |        |  |        |