



# FCC RF Test Report

**APPLICANT** : Fibocom Wireless Inc.  
**EQUIPMENT** : 5G Module  
**BRAND NAME** : Fibocom  
**MODEL NAME** : FM350-GL  
**FCC ID** : ZMOFM350GL  
**STANDARD** : 47 CFR Part 2, 22, 24, 27  
**CLASSIFICATION** : PCS Licensed Transmitter (PCB)

The product was received on May 18, 2020 and completely tested on Mar. 07, 2021. We, Sporton International (ShenZhen) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (ShenZhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



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**People's Republic of China**



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## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FG051802H  | Rev. 01 | Initial issue of report | Apr. 02, 2021 |
|            |         |                         |               |
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|            |         |                         |               |



## SUMMARY OF TEST RESULT

| Report Section | FCC Rule                                         | Description                                                                     | Limit                               | Result | Remark                                        |
|----------------|--------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------|--------|-----------------------------------------------|
| 3.4            | §2.1046                                          | Conducted Output Power                                                          | Reporting Only                      | PASS   | -                                             |
|                | §22.913(a)(5)                                    | Effective Radiated Power<br>(5G NR n5)                                          | ERP < 7 Watt                        |        |                                               |
|                | §24.232(c)                                       | Equivalent Isotropic Radiated Power<br>(5G NR n2, n25)                          | EIRP < 2Watt                        |        |                                               |
|                | §27.50(d)(4)                                     | Equivalent Isotropic Radiated Power<br>(5G NR n66)                              | EIRP < 1Watt                        |        |                                               |
| 3.5            | §24.232(d)                                       | Peak-to-Average Ratio                                                           | <13 dB                              | PASS   | -                                             |
| 3.6            | §2.1049                                          | Occupied Bandwidth                                                              | Reporting Only                      | PASS   | -                                             |
| 3.7            | §2.1051<br>§22.917(a)<br>§24.238(a)<br>§27.53(h) | Conducted Band Edge Measurement<br>(5G NR n5)<br>(5G NR n2, n25)<br>(5G NR n66) | < 43+10log <sub>10</sub> (P[Watts]) | PASS   | -                                             |
| 3.8            | §2.1051<br>§22.917(a)<br>§24.238(a)<br>§27.53(h) | Conducted Spurious Emission<br>(5G NR n5)<br>(5G NR n2, n25)<br>(5G NR n66)     | < 43+10log <sub>10</sub> (P[Watts]) | PASS   | -                                             |
| 3.9            | §2.1055<br>§22.355                               | Frequency Stability<br>Temperature & Voltage                                    | < 2.5 ppm for Part 22               | PASS   | -                                             |
|                | §24.235<br>§27.54                                |                                                                                 | Within Authorized Band              |        |                                               |
| 4.4            | §2.1053<br>§22.917(a)<br>§24.238(a)<br>§27.53(h) | Radiated Spurious Emission<br>(5G NR n5)<br>(5G NR n2, n25)<br>(5G NR n66)      | < 43+10log <sub>10</sub> (P[Watts]) | PASS   | Under limit<br>9.99 dB at<br>14664.000<br>MHz |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



# 1 General Description

## 1.1 Applicant

Fibocom Wireless Inc.

1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China

## 1.2 Manufacturer

Fibocom Wireless Inc.

1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China

## 1.3 Product Feature of Equipment Under Test

| Product Feature                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Equipment                       | 5G Module                                                |
| Brand Name                      | Fibocom                                                  |
| Model Name                      | FM350-GL                                                 |
| FCC ID                          | ZMOFM350GL                                               |
| EUT supports Radios application | WCDMA/LTE/5G NR/GNSS                                     |
| IMEI Code                       | Conducted: 862146050001310<br>Radiation: 882146050002276 |
| HW Version                      | V1.0.6                                                   |
| SW Version                      | 81600.0000.00.09.03.03                                   |
| EUT Stage                       | Identical Prototype                                      |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description

## 1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                  |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Tx Frequency                            | 5G NR n2: 1850 MHz ~ 1910 MHz<br>5G NR n5: 824 MHz ~ 849 MHz<br>5G NR n25: 1850 MHz ~ 1915 MHz<br>5G NR n66: 1710 MHz ~ 1780 MHz |
| Rx Frequency                            | 5G NR n2: 1930 MHz ~ 1990 MHz<br>5G NR n5: 869 MHz ~ 894 MHz<br>5G NR n25: 1930 MHz ~ 1995 MHz<br>5G NR n66: 2110 MHz~ 2200 MHz  |
| Bandwidth                               | n2, n5, n25: 5MHz / 10MHz / 15MHz / 20MHz<br>n66: 5MHz / 10MHz / 15MHz / 20MHz / 40MHz                                           |
| SCS                                     | n2, n5, n25, n66: 15KHz/30KHz                                                                                                    |
| NR Mode                                 | NSA: n2/n5/n66                                                                                                                   |



|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
|                    | SA: n2/n5/n25/n66                                                                               |
| Antenna Gain       | 5G NR n2: 4.00 dBi<br>5G NR n5: 3.00 dB<br>5G NR n25: 4.00 dBi<br>5G NR n66: 3.00 dB            |
| Type of Modulation | CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM<br>DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM |

## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.6 Maximum Conducted Power, Frequency Tolerance, and Emission Designator

NSA:

| 5G NR n2<br>(EN DC_5A-n2A) |                       | PI/2 BPSK / QPSK             |                    | 16QAM / 64QAM / 256QAM       |                    |
|----------------------------|-----------------------|------------------------------|--------------------|------------------------------|--------------------|
| BW (MHz)                   | Frequency Range (MHz) | Emission Designator (99%OBW) | Conducted Power(W) | Emission Designator (99%OBW) | Conducted Power(W) |
| 5                          | 1852.5 ~ 1907.5       | 4M48G7D                      | 0.2307             | 4M50W7D                      | 0.1809             |
| 10                         | 1855.0 ~ 1905.0       | 9M27G7D                      | 0.2285             | 9M29W7D                      | 0.1784             |
| 15                         | 1857.5 ~ 1902.5       | 14M2G7D                      | 0.2327             | 14M2W7D                      | 0.1812             |
| 20                         | 1860.0 ~ 1900.0       | 19M0G7D                      | 0.2316             | 19M0W7D                      | 0.1986             |
| Frequency Tolerance (ppm)  |                       | 0.0031                       |                    |                              |                    |

| 5G NR n66<br>(EN DC_48A-n66A) |                       | PI/2 BPSK / QPSK             |                    | 16QAM / 64QAM / 256QAM       |                    |
|-------------------------------|-----------------------|------------------------------|--------------------|------------------------------|--------------------|
| BW (MHz)                      | Frequency Range (MHz) | Emission Designator (99%OBW) | Conducted Power(W) | Emission Designator (99%OBW) | Conducted Power(W) |
| 5                             | 1712.5 ~ 1777.5       | 4M49G7D                      | 0.2191             | 4M48W7D                      | 0.1642             |
| 10                            | 1715.0 ~ 1775.0       | 9M31G7D                      | 0.2176             | 9M31W7D                      | 0.1611             |
| 15                            | 1717.5 ~ 1772.5       | 14M2G7D                      | 0.2221             | 14M2W7D                      | 0.1634             |
| 20                            | 1720.0 ~ 1770.0       | 19M0G7D                      | 0.2171             | 19M0W7D                      | 0.1634             |
| 40                            | 1730.0 ~ 1760.0       | 38M7G7D                      | 0.2036             | 38M9W7D                      | 0.1572             |
| Frequency Tolerance (ppm)     |                       | 0.0031                       |                    |                              |                    |



## SA:

| 5G NR n5                  |                       | PI/2 BPSK / QPSK             |                    | 16QAM / 64QAM / 256QAM       |                    |
|---------------------------|-----------------------|------------------------------|--------------------|------------------------------|--------------------|
| BW (MHz)                  | Frequency Range (MHz) | Emission Designator (99%OBW) | Conducted Power(W) | Emission Designator (99%OBW) | Conducted Power(W) |
| 5                         | 826.5 ~ 846.5         | 4M48G7D                      | 0.2877             | 4M49W7D                      | 0.2148             |
| 10                        | 829.0 ~ 844.0         | 9M29G7D                      | 0.2812             | 9M31W7D                      | 0.2056             |
| 15                        | 831.5 ~ 841.5         | 14M2G7D                      | 0.2858             | 14M2W7D                      | 0.2168             |
| 20                        | 834.0 ~ 839.0         | 18M9G7D                      | 0.2825             | 19M0W7D                      | 0.2061             |
| Frequency Tolerance (ppm) |                       | 0.0029                       |                    |                              |                    |

| 5G NR n25                 |                       | PI/2 BPSK / QPSK             |                    | 16QAM / 64QAM / 256QAM       |                    |
|---------------------------|-----------------------|------------------------------|--------------------|------------------------------|--------------------|
| BW (MHz)                  | Frequency Range (MHz) | Emission Designator (99%OBW) | Conducted Power(W) | Emission Designator (99%OBW) | Conducted Power(W) |
| 5                         | 1852.5 ~ 1912.5       | 4M49G7D                      | 0.1897             | 4M49W7D                      | 0.1560             |
| 10                        | 1855.0 ~ 1910.0       | 9M25G7D                      | 0.1875             | 9M31W7D                      | 0.1574             |
| 15                        | 1857.5 ~ 1907.5       | 14M1G7D                      | 0.1897             | 14M1W7D                      | 0.1578             |
| 20                        | 1860.0 ~ 1905.0       | 18M9G7D                      | 0.1892             | 18M9W7D                      | 0.1560             |
| Frequency Tolerance (ppm) |                       | 0.0025                       |                    |                              |                    |

## 1.7 Testing Location

Sporton International (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

|                    |                                                                                                                                                                         |                     |                                |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------|
| Test Firm          | Sporton International (Shenzhen) Inc.                                                                                                                                   |                     |                                |
| Test Site Location | 1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China<br>TEL: +86-755-86379589<br>FAX: +86-755-86379595 |                     |                                |
| Test Site No.      | Sporton Site No.                                                                                                                                                        | FCC Designation No. | FCC Test Firm Registration No. |
|                    | TH01-SZ                                                                                                                                                                 | CN1256              | 421272                         |

|                    |                                                                                                                                                                                           |                     |                                |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------|
| Test Firm          | Sporton International (Shenzhen) Inc.                                                                                                                                                     |                     |                                |
| Test Site Location | 101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103<br>TEL: +86-755-33202398 |                     |                                |
| Test Site No.      | Sporton Site No.                                                                                                                                                                          | FCC Designation No. | FCC Test Firm Registration No. |
|                    | 03CH03-SZ                                                                                                                                                                                 | CN1256              | 421272                         |



## 1.8 Test Software

| Item | Site      | Manufacturer | Name | Version     |
|------|-----------|--------------|------|-------------|
| 1.   | 03CH03-SZ | AUDIX        | E3   | 6.2009-8-24 |

## 1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 2, 22(H), 24(E), 27(L)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

**Remark:**

All test items were verified and recorded according to the standards and without any deviation during the test.

## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases were recorded in this report.

The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

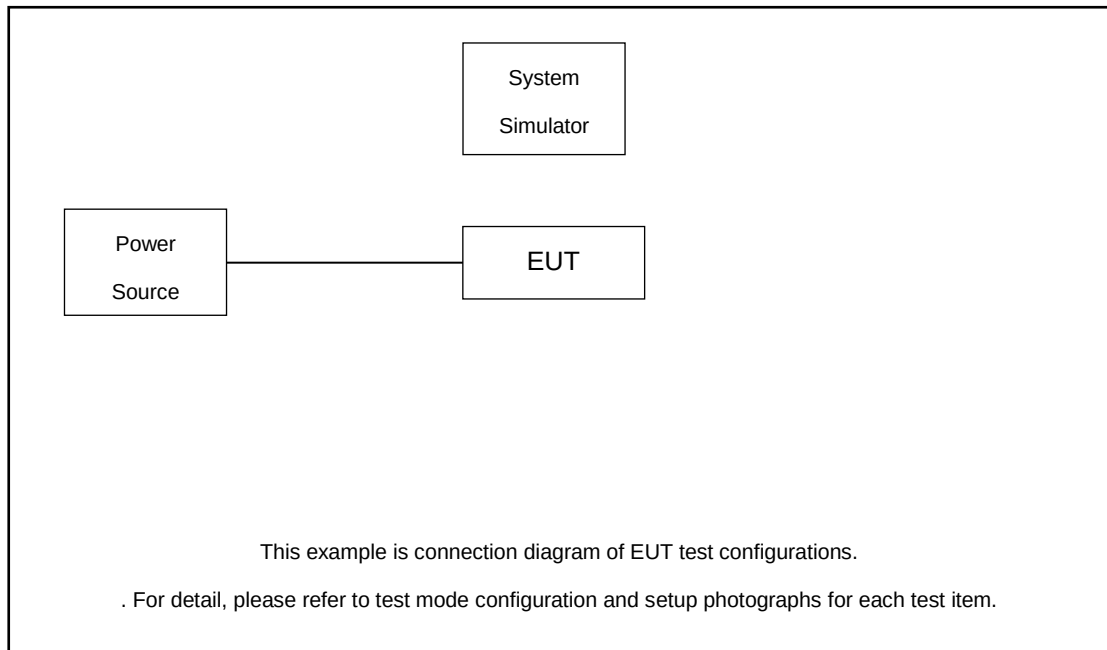
| Orthogonal<br>Planes of EUT | X Plane                                                                           | Y Plane                                                                           | Z Plane                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                             |  |  |  |

| Test Items                | 5G<br>NR | Bandwidth (MHz) |    |    |    |    |     | Modulation   |      |       |       |        | RB # |      |      | Test Channel |   |   |
|---------------------------|----------|-----------------|----|----|----|----|-----|--------------|------|-------|-------|--------|------|------|------|--------------|---|---|
|                           |          | 5               | 10 | 15 | 20 | 40 | 100 | PI/2<br>BPSK | QPSK | 16QAM | 64QAM | 256QAM | 1    | Half | Full | L            | M | H |
| Max. Output<br>Power      | n2       | v               | v  | v  | v  | -  | -   | v            | v    | v     | v     | v      | v    |      | v    | v            | v | v |
|                           | n5       | v               | v  | v  | v  | -  | -   | v            | v    | v     | v     | v      | v    |      | v    | v            | v | v |
|                           | n25      | v               | v  | v  | v  | -  | -   | v            | v    | v     | v     | v      | v    |      | v    | v            | v | v |
|                           | n66      | v               | v  | v  | v  | v  | -   | v            | v    | v     | v     | v      | v    |      | v    | v            | v | v |
| Peak-to-<br>Average Ratio | n2       |                 |    |    | v  | -  | -   | v            | v    |       |       |        | v    |      | v    | v            | v | v |
|                           | n5       |                 |    |    | v  | -  | -   | v            | v    |       |       |        | v    |      | v    | v            | v | v |
|                           | n25      |                 |    |    | v  | -  | -   | v            | v    |       |       |        | v    |      | v    | v            | v | v |
|                           | n66      | v               |    |    |    |    | -   | v            | v    |       |       |        | v    |      | v    | v            | v | v |
| 26dB<br>Bandwidth         | n2       | v               | v  | v  | v  | -  | -   |              | v    | v     | v     | v      |      |      | v    |              | v |   |
|                           | n5       | v               | v  | v  | v  | -  | -   |              | v    | v     | v     | v      |      |      | v    |              | v |   |
|                           | n25      | v               | v  | v  | v  | -  | -   |              | v    | v     | v     | v      |      |      | v    |              | v |   |
|                           | n66      | v               | v  | v  | v  | v  | -   |              | v    | v     | v     | v      |      |      | v    |              | v |   |
| 99%<br>Bandwidth          | n2       | v               | v  | v  | v  | -  | -   |              | v    | v     | v     | v      |      |      | v    |              | v |   |
|                           | n5       | v               | v  | v  | v  | -  | -   |              | v    | v     | v     | v      |      |      | v    |              | v |   |
|                           | n25      | v               | v  | v  | v  | -  | -   |              | v    | v     | v     | v      |      |      | v    |              | v |   |
|                           | n66      | v               | v  | v  | v  | v  | -   |              | v    | v     | v     | v      |      |      | v    |              | v |   |



| Test Items                  | Band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Bandwidth (MHz) |    |    |    |    |     | Modulation |      |       |       |        | RB # |      |      | Test Channel |   |   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|----|----|----|-----|------------|------|-------|-------|--------|------|------|------|--------------|---|---|
|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5               | 10 | 15 | 20 | 40 | 100 | PI/2 BPSK  | QPSK | 16QAM | 64QAM | 256QAM | 1    | Half | Full | L            | M | H |
| Conducted Band Edge         | n2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | v               | v  |    | v  | -  | -   | v          | v    |       |       |        | v    |      | v    | v            |   | v |
|                             | n5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | v               | v  |    | v  | -  | -   | v          | v    |       |       |        | v    |      | v    | v            |   | v |
|                             | n25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | v               | v  |    | v  | -  | -   | v          | v    |       |       |        | v    |      | v    | v            |   | v |
|                             | n66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | v               |    | v  |    | v  | -   | v          | v    |       |       |        | v    |      | v    | v            |   | v |
| Conducted Spurious Emission | n2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | v               | v  |    | v  | -  | -   | v          | v    |       |       |        | v    |      |      | v            | v | v |
|                             | n5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | v               | v  |    | v  | -  | -   | v          | v    |       |       |        | v    |      |      | v            | v | v |
|                             | n25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | v               | v  |    | v  | -  | -   | v          | v    |       |       |        | v    |      |      | v            | v | v |
|                             | n66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | v               |    | v  |    | v  | -   | v          | v    |       |       |        | v    |      |      | v            | v | v |
| Frequency Stability         | n2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |    |    | v  | -  | -   | v          |      |       |       |        |      |      | v    |              | v |   |
|                             | n5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |    |    | v  | -  | -   | v          |      |       |       |        |      |      | v    |              | v |   |
|                             | n25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |    |    | v  | -  | -   | v          |      |       |       |        |      |      | v    |              | v |   |
|                             | n66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |    |    |    | v  | -   | v          |      |       |       |        |      |      | v    |              | v |   |
| E.R.P / E.I.R.P             | n2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | v               | v  | v  | v  | -  | -   | v          | v    | v     | v     | v      | v    |      | v    | v            | v | v |
|                             | n5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | v               | v  | v  | v  | -  | -   | v          | v    | v     | v     | v      | v    |      | v    | v            | v | v |
|                             | n25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | v               | v  | v  | v  | -  | -   | v          | v    | v     | v     | v      | v    |      | v    | v            | v | v |
|                             | n66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | v               | v  | v  | v  | v  | -   | v          | v    | v     | v     | v      | v    |      | v    | v            | v | v |
| Radiated Spurious Emission  | n2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Worst Case      |    |    |    |    |     |            |      |       |       |        |      |      |      | v            | v | v |
|                             | n5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Worst Case      |    |    |    |    |     |            |      |       |       |        |      |      |      | v            | v | v |
|                             | n25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Worst Case      |    |    |    |    |     |            |      |       |       |        |      |      |      | v            | v | v |
|                             | n66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Worst Case      |    |    |    |    |     |            |      |       |       |        |      |      |      | v            | v | v |
| Note                        | <div>1. The mark “v “ means that this configuration is chosen for testing</div> <div>2. The mark “-“ means that this bandwidth is not supported.</div> <div>3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.</div> <div>4. 5G NR supports SCS 15KHz and 30KHz, according to engineering evaluation, only choose the SCS 15KHz (the highest conducted power) perform for all tests.</div> <div>5. 5G NR supports SA and NSA mode (refer to the Operation Description). For NSA mode, according to engineering evaluation, only the worst EN-DC combination mode show in the report.</div> <div>6. Based on engineering evaluation, only the worst modulation test results are shown in the report.</div> |                 |    |    |    |    |     |            |      |       |       |        |      |      |      |              |   |   |

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

| Item | Equipment       | Trade Name | Model No.  | FCC ID  | Data Cable | Power Cord        |
|------|-----------------|------------|------------|---------|------------|-------------------|
| 1.   | DC Power Supply | GW         | GPS-3030D  | N/A     | N/A        | Unshielded, 1.8 m |
| 2.   | Base Station    | Keysight   | UXM E7515B | Fcc DoC | N/A        | Unshielded, 1.5 m |
| 3.   | Test Jig        | N/A        | N/A        | N/A     | N/A        | N/A               |

## 2.4 Measurement Results Explanation Example

### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

*Offset = RF cable loss.*

Following shows an offset computation example with cable loss 3.90 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 3.90 \text{ (dB)} \end{aligned}$$

## 2.5 Frequency List of Low/Middle/High Channels

| 5G NR n2 Channel and Frequency List |                        |        |        |         |
|-------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                            | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                  | Channel                | 372000 | 376000 | 380000  |
|                                     | Frequency              | 1860   | 1880   | 1900    |
| 15                                  | Channel                | 371500 | 376000 | 380500  |
|                                     | Frequency              | 1857.5 | 1880   | 1902.5  |
| 10                                  | Channel                | 371000 | 376000 | 381000  |
|                                     | Frequency              | 1855   | 1880   | 1905    |
| 5                                   | Channel                | 370500 | 376000 | 381500  |
|                                     | Frequency              | 1852.5 | 1880   | 1907.5  |

| 5G NR n5 Channel and Frequency List |                        |        |        |         |
|-------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                            | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                  | Channel                | 166800 | 167300 | 167800  |
|                                     | Frequency              | 834    | 836.5  | 839     |
| 15                                  | Channel                | 166300 | 167300 | 168300  |
|                                     | Frequency              | 831.5  | 836.5  | 841.5   |
| 10                                  | Channel                | 165800 | 167300 | 168800  |
|                                     | Frequency              | 829    | 836.5  | 844     |
| 5                                   | Channel                | 165300 | 167300 | 169300  |
|                                     | Frequency              | 826.5  | 836.5  | 846.5   |

| 5G NR n25 Channel and Frequency List |                        |        |        |         |
|--------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                             | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                   | Channel                | 372000 | 376500 | 381000  |
|                                      | Frequency              | 1860   | 1882.5 | 1905    |
| 15                                   | Channel                | 371500 | 376500 | 381500  |
|                                      | Frequency              | 1857.5 | 1882.5 | 1907.5  |
| 10                                   | Channel                | 371000 | 376500 | 382000  |
|                                      | Frequency              | 1855   | 1882.5 | 1910    |
| 5                                    | Channel                | 370500 | 376500 | 382500  |
|                                      | Frequency              | 1852.5 | 1882.5 | 1912.5  |



| 5G NR n66 Channel and Frequency List |                        |        |        |         |
|--------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                             | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 40                                   | Channel                | 346000 | 349000 | 352000  |
|                                      | Frequency              | 1730   | 1745   | 1760    |
| 20                                   | Channel                | 344000 | 349000 | 354000  |
|                                      | Frequency              | 1720   | 1745   | 1770    |
| 15                                   | Channel                | 343500 | 349000 | 354500  |
|                                      | Frequency              | 1717.5 | 1745   | 1772.5  |
| 10                                   | Channel                | 343000 | 349000 | 355000  |
|                                      | Frequency              | 1715   | 1745   | 1775    |
| 5                                    | Channel                | 342500 | 349000 | 355500  |
|                                      | Frequency              | 1712.5 | 1745   | 1777.5  |

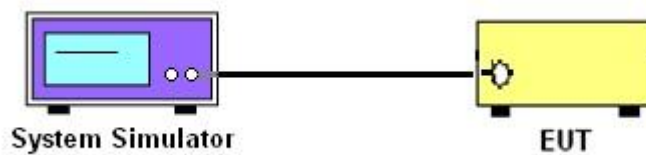
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

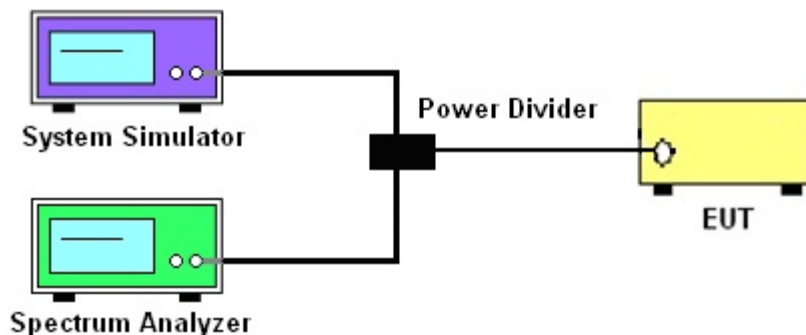
See list of measuring instruments of this test report.

#### 3.2 Test Setup

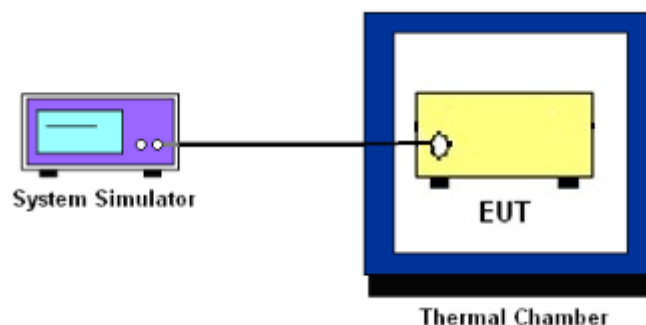
##### 3.2.1 Conducted Output Power



##### 3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



##### 3.2.3 Frequency Stability



### 3.3 Test Result of Conducted Test

Please refer to Appendix A.

### 3.4 Conducted Output Power and ERP/EIRP

#### 3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5.

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2 and n25.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna in dB

#### 3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

## 3.5 Peak-to-Average Ratio

### 3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

### 3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

## 3.6 Occupied Bandwidth

### 3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

### 3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.  
(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

### 3.7 Conducted Band Edge

#### 3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### 3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW  $\geq 1\%$  EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from  $43 + 10\log(P)\text{dB}$  below the transmitter power  $P(\text{Watts})$   
 $= P(\text{W}) - [43 + 10\log(P)] (\text{dB})$   
 $= [30 + 10\log(P)] (\text{dBm}) - [43 + 10\log(P)] (\text{dB}) = -13\text{dBm}.$

## 3.8 Conducted Spurious Emission

### 3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10<sup>th</sup> harmonic.

### 3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.  
The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB)  
 $= -13$ dBm.

### 3.9 Frequency Stability

#### 3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within  $\pm 0.00025\%$  ( $\pm 2.5\text{ppm}$ ) of the center frequency.

#### 3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

#### 3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

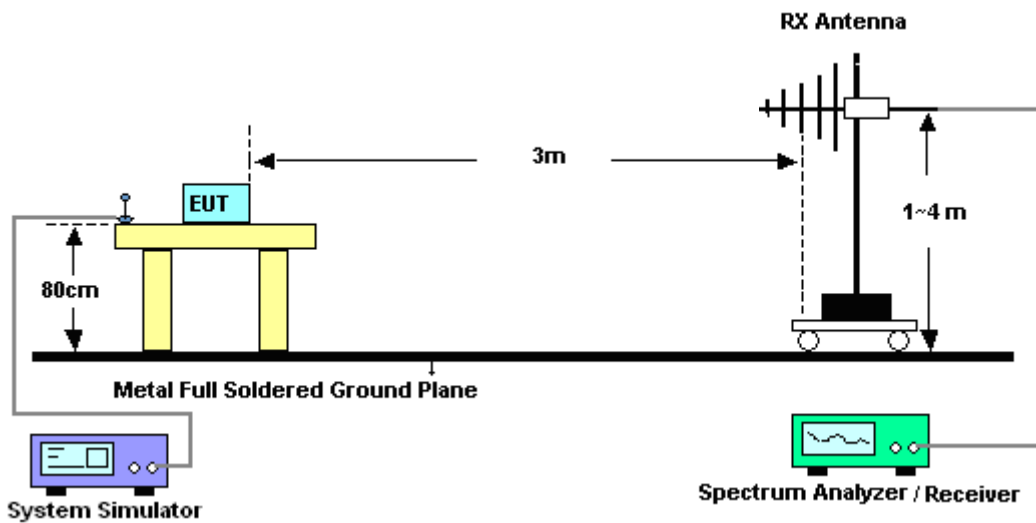
## 4 Radiated Test Items

### 4.1 Measuring Instruments

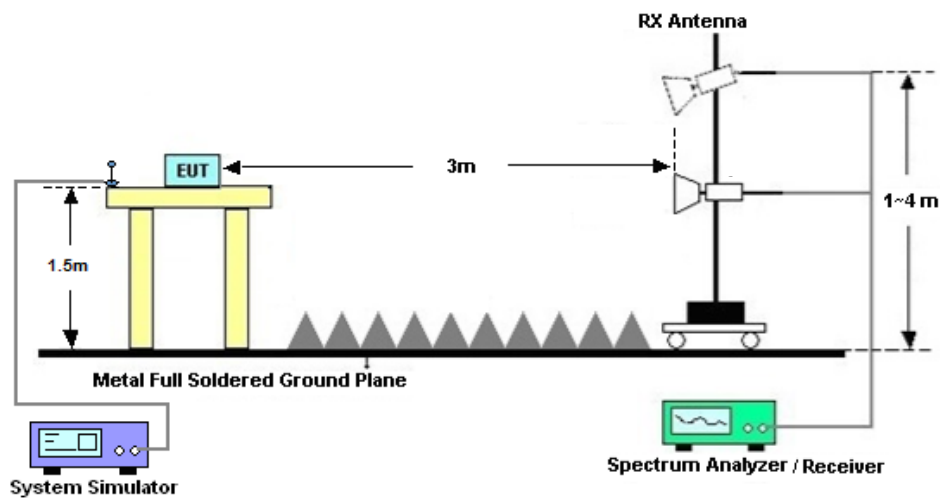
See list of measuring instruments of this test report.

### 4.2 Test Setup

#### 4.2.1 For radiated test from 30MHz to 1GHz



#### 4.2.2 For radiated test above 1GHz



### 4.3 Test Result of Radiated Test

Please refer to Appendix B.

## 4.4 Radiated Spurious Emission

### 4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### 4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10.  $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11.  $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}.$$



## 5 List of Measuring Equipment

| Instrument                | Manufacturer              | Model No.     | Serial No.   | Characteristics | Calibration Date | Test Date                   | Due Date      | Remark                |
|---------------------------|---------------------------|---------------|--------------|-----------------|------------------|-----------------------------|---------------|-----------------------|
| Spectrum Analyzer         | R&S                       | FSV40         | 101078       | 10Hz~40GHz      | Apr. 17, 2020    | Jan. 11, 2021~Jan. 16, 2021 | Apr. 16, 2021 | Conducted (TH01-SZ)   |
| Thermal Chamber           | Ten Billion Hongzhangroup | LP-150U       | H2014081803  | -40~+150°C      | Jul. 22, 2020    | Jan. 11, 2021~Jan. 16, 2021 | Jul. 21, 2021 | Conducted (TH01-SZ)   |
| EMI Test Receiver&SA      | KEYSIGHT                  | N9038A        | MY54450083   | 20Hz~8.4GHz     | Apr. 17, 2020    | Jan. 27, 2021~Mar. 07, 2021 | Apr. 16, 2021 | Radiation (03CH03-SZ) |
| EXA Spectrum Analyzer     | KEYSIGHT                  | N9010A        | MY55150246   | 10Hz~44GHz;     | Apr. 17, 2020    | Jan. 27, 2021~Mar. 07, 2021 | Apr. 16, 2021 | Radiation (03CH03-SZ) |
| Bilog Antenna             | TeseQ                     | CBL6112D      | 35408        | 30MHz-2GHz      | Jun. 22, 2020    | Jan. 27, 2021~Mar. 07, 2021 | Jun. 21, 2021 | Radiation (03CH03-SZ) |
| Double Ridge Horn Antenna | SCHWARZBECK               | BBHA9120D     | 9120D-1355   | 1GHz~18GHz      | Apr. 30, 2020    | Jan. 27, 2021~Mar. 07, 2021 | Apr. 29, 2021 | Radiation (03CH03-SZ) |
| Amplifier                 | Burgeon                   | BPA-530       | 102210       | 0.01Hz ~3000MHz | Oct. 17, 2019    | Jan. 27, 2021~Mar. 07, 2021 | Oct. 16, 2021 | Radiation (03CH03-SZ) |
| HF Amplifier              | MITEQ                     | TTA1840-35-HG | 1871923      | 18GHz~40GHz     | Jul. 21, 2020    | Jan. 27, 2021~Mar. 07, 2021 | Jul. 20, 2021 | Radiation (03CH03-SZ) |
| SHF-EHF Horn              | com-power                 | AH-840        | 101071       | 18Ghz-40GHz     | Apr. 23, 2020    | Jan. 27, 2021~Mar. 07, 2021 | Apr. 22, 2021 | Radiation (03CH03-SZ) |
| Amplifier                 | Agilent Technologies      | 83017A        | MY39501302   | 500MHz~26.5GHz  | Dec. 25, 2020    | Jan. 27, 2021~Mar. 07, 2021 | Dec. 24, 2021 | Radiation (03CH03-SZ) |
| AC Power Source           | Chroma                    | 61601         | 616010001985 | N/A             | NCR              | Jan. 27, 2021~Mar. 07, 2021 | NCR           | Radiation (03CH03-SZ) |
| Turn Table                | EM                        | EM1000        | N/A          | 0~360 degree    | NCR              | Jan. 27, 2021~Mar. 07, 2021 | NCR           | Radiation (03CH03-SZ) |
| Antenna Mast              | EM                        | EM1000        | N/A          | 1 m~4 m         | NCR              | Jan. 27, 2021~Mar. 07, 2021 | NCR           | Radiation (03CH03-SZ) |

NCR: No Calibration Required

## 6 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage  $K=2$  to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                         |       |
|-------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.0dB |
|-------------------------------------------------------------------------|-------|

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

|                                                                         |       |
|-------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.6dB |
|-------------------------------------------------------------------------|-------|

### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

|                                                                         |       |
|-------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.8dB |
|-------------------------------------------------------------------------|-------|



## Appendix A. Test Results of Conducted Test

### **Conducted Output Power(Average power and EIRP)**

| EN-DC n2 (ANT M2)+5A (ANT M)Combination 20MHz+10MHz(LTE)(GT - LC = 4 dB) |                         |      |        |      |        |            |              |           |         |
|--------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|-----------|---------|
| Channel                                                                  | Mode                    | NR   |        | LTE  |        | Conducted  |              | EIRP      |         |
|                                                                          |                         | RB   |        | RB   |        |            |              |           |         |
|                                                                          |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                                                   | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 1    | 0      | 23.24      | 0.2108       | 27.24     | 0.5296  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 23.49      | 0.2233       | 27.49     | 0.5608  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 23.43      | 0.2202       | 27.43     | 0.5532  |
|                                                                          | QPSK<br>DFT-s-OFDM      | 1    | 1      | 1    | 0      | 23.43      | 0.2202       | 27.43     | 0.5531  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 23.54      | 0.2259       | 27.54     | 0.5673  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 23.50      | 0.2238       | 27.50     | 0.5621  |
|                                                                          | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 22.57      | 0.1808       | 26.57     | 0.4541  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 22.55      | 0.1799       | 26.55     | 0.452   |
|                                                                          |                         | 50   | 25     | 50   | 0      | 22.36      | 0.1723       | 26.36     | 0.4328  |
|                                                                          | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 21.17      | 0.1309       | 25.17     | 0.3289  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 21.14      | 0.13         | 25.14     | 0.3266  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 20.86      | 0.122        | 24.86     | 0.3064  |
|                                                                          | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 1    | 0      | 18.74      | 0.0749       | 22.74     | 0.188   |
|                                                                          |                         | 1    | 104    | 1    | 49     | 18.76      | 0.0752       | 22.76     | 0.1888  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 18.88      | 0.0773       | 22.88     | 0.1941  |
| Middle                                                                   | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 1    | 0      | 23.61      | 0.2295       | 27.61     | 0.5764  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 23.48      | 0.2227       | 27.48     | 0.5595  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 23.56      | 0.2269       | 27.56     | 0.5699  |
|                                                                          | QPSK<br>DFT-s-OFDM      | 1    | 1      | 1    | 0      | 23.59      | 0.2284       | 27.59     | 0.5737  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 23.58      | 0.2279       | 27.58     | 0.5725  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 23.65      | 0.2316       | 27.65     | 0.5818  |
|                                                                          | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 22.35      | 0.1719       | 26.35     | 0.4318  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 22.57      | 0.1808       | 26.57     | 0.4542  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 22.55      | 0.18         | 26.55     | 0.4521  |
|                                                                          | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 20.94      | 0.1242       | 24.94     | 0.312   |
|                                                                          |                         | 1    | 104    | 1    | 49     | 20.95      | 0.1245       | 24.95     | 0.3127  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 20.91      | 0.1234       | 24.91     | 0.3098  |
|                                                                          | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 1    | 0      | 18.70      | 0.0742       | 22.70     | 0.1864  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 18.89      | 0.0775       | 22.89     | 0.1946  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 18.88      | 0.0773       | 22.88     | 0.1941  |
| QPSK<br>CP-OFDM                                                          | 1                       | 1    | 1      | 0    | 21.78  | 0.1505     | 25.78        | 0.3782    |         |
|                                                                          | 1                       | 104  | 1      | 49   | 21.90  | 0.1547     | 25.90        | 0.3887    |         |
|                                                                          | 53                      | 26   | 50     | 0    | 21.94  | 0.1561     | 25.94        | 0.3922    |         |
| Highest                                                                  | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 1    | 0      | 23.48      | 0.2228       | 27.48     | 0.5596  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 23.31      | 0.2142       | 27.31     | 0.5381  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 23.54      | 0.2258       | 27.54     | 0.5672  |
|                                                                          | QPSK<br>DFT-s-OFDM      | 1    | 1      | 1    | 0      | 23.51      | 0.2243       | 27.51     | 0.5634  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 23.46      | 0.2217       | 27.46     | 0.5569  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 23.54      | 0.2258       | 27.54     | 0.5672  |
|                                                                          | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 22.58      | 0.1812       | 26.58     | 0.4552  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 22.98      | 0.1986       | 26.98     | 0.4989  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 22.49      | 0.1775       | 26.49     | 0.4459  |
|                                                                          | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 21.18      | 0.1312       | 25.18     | 0.3296  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 21.15      | 0.1303       | 25.15     | 0.3273  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 21.09      | 0.1285       | 25.09     | 0.3229  |
|                                                                          | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 1    | 0      | 18.76      | 0.0752       | 22.76     | 0.1889  |
|                                                                          |                         | 1    | 104    | 1    | 49     | 18.93      | 0.0782       | 22.93     | 0.1963  |
|                                                                          |                         | 50   | 25     | 50   | 0      | 19.00      | 0.0794       | 23.00     | 0.1995  |

| EN-DC n2 (ANT M2)+5A (ANT M)Combination 15MHz+10MHz(LTE)(GT - LC = 4 dB) |                         |      |        |      |        |            |              |           |         |
|--------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|-----------|---------|
| Channel                                                                  | Mode                    | NR   |        | LTE  |        | Conducted  |              | EIRP      |         |
|                                                                          |                         | RB   |        | RB   |        |            |              |           |         |
|                                                                          |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                                                   | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 1    | 0      | 23.38      | 0.2177       | 27.38     | 0.5469  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 23.49      | 0.2233       | 27.49     | 0.5608  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 23.41      | 0.2192       | 27.41     | 0.5506  |
|                                                                          | QPSK<br>DFT-s-OFDM      | 1    | 1      | 1    | 0      | 23.43      | 0.2202       | 27.43     | 0.5532  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 23.47      | 0.2222       | 27.47     | 0.5583  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 23.44      | 0.2207       | 27.44     | 0.5544  |
|                                                                          | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 22.51      | 0.1783       | 26.51     | 0.4479  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 22.43      | 0.1751       | 26.43     | 0.4399  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 22.33      | 0.1711       | 26.33     | 0.4299  |
|                                                                          | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 21.08      | 0.1283       | 25.08     | 0.3222  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 21.07      | 0.1279       | 25.07     | 0.3214  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 20.88      | 0.1225       | 24.88     | 0.3077  |
|                                                                          | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 1    | 0      | 18.67      | 0.0737       | 22.67     | 0.1851  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 18.68      | 0.0738       | 22.68     | 0.1855  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 18.88      | 0.0773       | 22.88     | 0.1941  |
| Middle                                                                   | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 1    | 0      | 23.56      | 0.2269       | 27.56     | 0.5699  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 23.54      | 0.2259       | 27.54     | 0.5673  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 23.60      | 0.229        | 27.60     | 0.5752  |
|                                                                          | QPSK<br>DFT-s-OFDM      | 1    | 1      | 1    | 0      | 23.64      | 0.2311       | 27.64     | 0.5804  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 23.67      | 0.2327       | 27.67     | 0.5844  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 23.65      | 0.2316       | 27.65     | 0.5818  |
|                                                                          | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 22.41      | 0.1743       | 26.41     | 0.4377  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 22.54      | 0.1796       | 26.54     | 0.451   |
|                                                                          |                         | 36   | 18     | 50   | 0      | 22.30      | 0.1699       | 26.30     | 0.4269  |
|                                                                          | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 20.95      | 0.1245       | 24.95     | 0.3127  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 21.12      | 0.1295       | 25.12     | 0.3252  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 20.86      | 0.122        | 24.86     | 0.3065  |
|                                                                          | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 1    | 0      | 18.71      | 0.0742       | 22.71     | 0.1864  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 18.78      | 0.0756       | 22.78     | 0.1898  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 18.92      | 0.078        | 22.92     | 0.196   |
| QPSK<br>CP-OFDM                                                          | 1                       | 1    | 1      | 0    | 21.80  | 0.1512     | 25.80        | 0.3799    |         |
|                                                                          | 1                       | 77   | 1      | 49   | 21.86  | 0.1536     | 25.86        | 0.3859    |         |
|                                                                          | 39                      | 19   | 50     | 0    | 21.86  | 0.1533     | 25.86        | 0.3851    |         |
| Highest                                                                  | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 1    | 0      | 23.48      | 0.2228       | 27.48     | 0.5596  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 23.47      | 0.2223       | 27.47     | 0.5583  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 23.49      | 0.2233       | 27.49     | 0.5609  |
|                                                                          | QPSK<br>DFT-s-OFDM      | 1    | 1      | 1    | 0      | 23.43      | 0.2202       | 27.43     | 0.5532  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 23.42      | 0.2197       | 27.42     | 0.5519  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 23.46      | 0.2217       | 27.46     | 0.557   |
|                                                                          | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 22.44      | 0.1755       | 26.44     | 0.4409  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 22.58      | 0.1812       | 26.58     | 0.4552  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 22.34      | 0.1715       | 26.34     | 0.4309  |
|                                                                          | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 1    | 0      | 21.05      | 0.1274       | 25.05     | 0.32    |
|                                                                          |                         | 1    | 77     | 1    | 49     | 21.12      | 0.1294       | 25.12     | 0.3251  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 20.89      | 0.1228       | 24.89     | 0.3085  |
|                                                                          | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 1    | 0      | 18.67      | 0.0736       | 22.67     | 0.1848  |
|                                                                          |                         | 1    | 77     | 1    | 49     | 18.87      | 0.0772       | 22.87     | 0.1938  |
|                                                                          |                         | 36   | 18     | 50   | 0      | 18.88      | 0.0773       | 22.88     | 0.1943  |

| EN-DC n2 (ANT M2)+5A (ANT M)Combination 10MHz+10MHz(LTE)(GT - LC = 4 dB) |                         |                         |        |      |        |            |              |           |         |        |
|--------------------------------------------------------------------------|-------------------------|-------------------------|--------|------|--------|------------|--------------|-----------|---------|--------|
| Channel                                                                  | Mode                    | NR                      |        | LTE  |        | Conducted  |              | EIRP      |         |        |
|                                                                          |                         | RB                      |        | RB   |        |            |              |           |         |        |
|                                                                          |                         | Size                    | Offset | Size | Offset | Power(dBm) | Power(Watts) | EIRP(dBm) | EIRP(W) |        |
| Lowest                                                                   | Pi/2 BPSK<br>DFT-s-OFDM | 1                       | 1      | 1    | 0      | 23.30      | 0.2137       | 27.30     | 0.5369  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 23.40      | 0.2187       | 27.40     | 0.5493  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 23.29      | 0.2132       | 27.29     | 0.5356  |        |
|                                                                          | QPSK<br>DFT-s-OFDM      | 1                       | 1      | 1    | 0      | 23.32      | 0.2147       | 27.32     | 0.5393  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 23.38      | 0.2177       | 27.38     | 0.5468  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 23.34      | 0.2157       | 27.34     | 0.5418  |        |
|                                                                          | 16QAM<br>DFT-s-OFDM     | 1                       | 1      | 1    | 0      | 22.35      | 0.1719       | 26.35     | 0.4318  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 22.33      | 0.1712       | 26.33     | 0.4299  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 22.14      | 0.1635       | 26.14     | 0.4107  |        |
|                                                                          | 64QAM<br>DFT-s-OFDM     | 1                       | 1      | 1    | 0      | 20.86      | 0.122        | 24.86     | 0.3065  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 20.81      | 0.1206       | 24.81     | 0.303   |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 20.74      | 0.1187       | 24.74     | 0.2982  |        |
|                                                                          | 256QAM<br>DFT-s-OFDM    | 1                       | 1      | 1    | 0      | 18.59      | 0.0722       | 22.59     | 0.1814  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 18.57      | 0.0719       | 22.57     | 0.1805  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 18.61      | 0.0726       | 22.61     | 0.1823  |        |
|                                                                          | Middle                  | Pi/2 BPSK<br>DFT-s-OFDM | 1      | 1    | 1      | 0          | 23.45        | 0.2212    | 27.45   | 0.5557 |
|                                                                          |                         |                         | 1      | 50   | 1      | 49         | 23.47        | 0.2222    | 27.47   | 0.5582 |
|                                                                          |                         |                         | 25     | 12   | 50     | 0          | 23.49        | 0.2232    | 27.49   | 0.5608 |
| QPSK<br>DFT-s-OFDM                                                       |                         | 1                       | 1      | 1    | 0      | 23.59      | 0.2285       | 27.59     | 0.5739  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 23.56      | 0.2269       | 27.56     | 0.5699  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 23.44      | 0.2207       | 27.44     | 0.5545  |        |
| 16QAM<br>DFT-s-OFDM                                                      |                         | 1                       | 1      | 1    | 0      | 22.33      | 0.1712       | 26.33     | 0.4299  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 22.43      | 0.1751       | 26.43     | 0.4398  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 22.12      | 0.1631       | 26.12     | 0.4097  |        |
| 64QAM<br>DFT-s-OFDM                                                      |                         | 1                       | 1      | 1    | 0      | 20.94      | 0.1243       | 24.94     | 0.3121  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 20.96      | 0.1248       | 24.96     | 0.3135  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 20.59      | 0.1144       | 24.59     | 0.2874  |        |
| 256QAM<br>DFT-s-OFDM                                                     |                         | 1                       | 1      | 1    | 0      | 18.57      | 0.0719       | 22.57     | 0.1805  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 18.69      | 0.0739       | 22.69     | 0.1856  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 18.60      | 0.0724       | 22.60     | 0.1818  |        |
| QPSK<br>CP-OFDM                                                          |                         | 1                       | 1      | 1    | 0      | 21.71      | 0.1482       | 25.71     | 0.3722  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 21.82      | 0.1519       | 25.82     | 0.3816  |        |
|                                                                          |                         | 26                      | 13     | 50   | 0      | 21.66      | 0.1465       | 25.66     | 0.368   |        |
| Highest                                                                  | Pi/2 BPSK<br>DFT-s-OFDM | 1                       | 1      | 1    | 0      | 23.34      | 0.2157       | 27.34     | 0.5418  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 23.40      | 0.2187       | 27.40     | 0.5494  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 23.38      | 0.2177       | 27.38     | 0.5469  |        |
|                                                                          | QPSK<br>DFT-s-OFDM      | 1                       | 1      | 1    | 0      | 23.39      | 0.2182       | 27.39     | 0.5481  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 23.43      | 0.2202       | 27.43     | 0.5531  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 23.41      | 0.2192       | 27.41     | 0.5507  |        |
|                                                                          | 16QAM<br>DFT-s-OFDM     | 1                       | 1      | 1    | 0      | 22.38      | 0.1731       | 26.38     | 0.4348  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 22.51      | 0.1784       | 26.51     | 0.448   |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 22.18      | 0.1654       | 26.18     | 0.4154  |        |
|                                                                          | 64QAM<br>DFT-s-OFDM     | 1                       | 1      | 1    | 0      | 20.88      | 0.1226       | 24.88     | 0.3079  |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 21.07      | 0.128        | 25.07     | 0.3215  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 20.70      | 0.1176       | 24.70     | 0.2954  |        |
|                                                                          | 256QAM<br>DFT-s-OFDM    | 1                       | 1      | 1    | 0      | 18.69      | 0.074        | 22.69     | 0.186   |        |
|                                                                          |                         | 1                       | 50     | 1    | 49     | 18.82      | 0.0763       | 22.82     | 0.1916  |        |
|                                                                          |                         | 25                      | 12     | 50   | 0      | 18.70      | 0.074        | 22.70     | 0.186   |        |

| EN-DC n2 (ANT M2)+5A (ANT M)Combination 5MHz+10MHz(LTE)(GT - LC = 4 dB) |                         |                         |        |      |        |            |              |           |         |        |
|-------------------------------------------------------------------------|-------------------------|-------------------------|--------|------|--------|------------|--------------|-----------|---------|--------|
| Channel                                                                 | Mode                    | NR                      |        | LTE  |        | Conducted  |              | EIRP      |         |        |
|                                                                         |                         | RB                      |        | RB   |        |            |              |           |         |        |
|                                                                         |                         | Size                    | Offset | Size | Offset | Power(dBm) | Power(Watts) | EIRP(dBm) | EIRP(W) |        |
| Lowest                                                                  | PI/2 BPSK<br>DFT-s-OFDM | 1                       | 1      | 1    | 0      | 23.25      | 0.2115       | 27.25     | 0.5312  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 23.21      | 0.2095       | 27.21     | 0.5263  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 23.33      | 0.2153       | 27.33     | 0.5409  |        |
|                                                                         | QPSK<br>DFT-s-OFDM      | 1                       | 1      | 1    | 0      | 23.39      | 0.2183       | 27.39     | 0.5484  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 23.36      | 0.2168       | 27.36     | 0.5447  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 23.30      | 0.2139       | 27.30     | 0.5372  |        |
|                                                                         | 16QAM<br>DFT-s-OFDM     | 1                       | 1      | 1    | 0      | 22.37      | 0.1724       | 26.37     | 0.4331  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 22.39      | 0.1732       | 26.39     | 0.4351  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 22.24      | 0.1674       | 26.24     | 0.4205  |        |
|                                                                         | 64QAM<br>DFT-s-OFDM     | 1                       | 1      | 1    | 0      | 20.93      | 0.1239       | 24.93     | 0.3112  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 20.91      | 0.1232       | 24.91     | 0.3095  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 20.75      | 0.1189       | 24.75     | 0.2986  |        |
|                                                                         | 256QAM<br>DFT-s-OFDM    | 1                       | 1      | 1    | 0      | 18.61      | 0.0725       | 22.61     | 0.1822  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 18.63      | 0.073        | 22.63     | 0.1834  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 18.79      | 0.0757       | 22.79     | 0.1903  |        |
|                                                                         | Middle                  | PI/2 BPSK<br>DFT-s-OFDM | 1      | 1    | 1      | 0          | 23.50        | 0.2239    | 27.50   | 0.5624 |
|                                                                         |                         |                         | 1      | 23   | 1      | 49         | 23.49        | 0.2234    | 27.49   | 0.5611 |
|                                                                         |                         |                         | 12     | 6    | 50     | 0          | 23.58        | 0.228     | 27.58   | 0.5728 |
| QPSK<br>DFT-s-OFDM                                                      |                         | 1                       | 1      | 1    | 0      | 23.60      | 0.2291       | 27.60     | 0.5755  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 23.57      | 0.2275       | 27.57     | 0.5714  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 23.63      | 0.2307       | 27.63     | 0.5795  |        |
| 16QAM<br>DFT-s-OFDM                                                     |                         | 1                       | 1      | 1    | 0      | 22.56      | 0.1805       | 26.56     | 0.4534  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 22.48      | 0.1769       | 26.48     | 0.4442  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 22.27      | 0.1686       | 26.27     | 0.4236  |        |
| 64QAM<br>DFT-s-OFDM                                                     |                         | 1                       | 1      | 1    | 0      | 21.05      | 0.1272       | 25.05     | 0.3195  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 20.98      | 0.1253       | 24.98     | 0.3147  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 20.88      | 0.1224       | 24.88     | 0.3075  |        |
| 256QAM<br>DFT-s-OFDM                                                    |                         | 1                       | 1      | 1    | 0      | 18.72      | 0.0745       | 22.72     | 0.1872  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 18.79      | 0.0757       | 22.79     | 0.1903  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 18.89      | 0.0774       | 22.89     | 0.1945  |        |
| QPSK<br>CP-OFDM                                                         |                         | 1                       | 1      | 1    | 0      | 21.91      | 0.1553       | 25.91     | 0.3901  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 21.85      | 0.1531       | 25.85     | 0.3847  |        |
|                                                                         |                         | 13                      | 6      | 50   | 0      | 21.79      | 0.151        | 25.79     | 0.3793  |        |
| Highest                                                                 | PI/2 BPSK<br>DFT-s-OFDM | 1                       | 1      | 1    | 0      | 23.26      | 0.2119       | 27.26     | 0.5324  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 23.33      | 0.2154       | 27.33     | 0.541   |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 23.43      | 0.2204       | 27.43     | 0.5535  |        |
|                                                                         | QPSK<br>DFT-s-OFDM      | 1                       | 1      | 1    | 0      | 23.42      | 0.2198       | 27.42     | 0.5522  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 23.38      | 0.2178       | 27.38     | 0.5472  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 23.39      | 0.2183       | 27.39     | 0.5484  |        |
|                                                                         | 16QAM<br>DFT-s-OFDM     | 1                       | 1      | 1    | 0      | 22.57      | 0.1809       | 26.57     | 0.4544  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 22.57      | 0.1805       | 26.57     | 0.4535  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 22.42      | 0.1744       | 26.42     | 0.4381  |        |
|                                                                         | 64QAM<br>DFT-s-OFDM     | 1                       | 1      | 1    | 0      | 21.05      | 0.1272       | 25.05     | 0.3196  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 21.01      | 0.1262       | 25.01     | 0.3169  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 20.92      | 0.1235       | 24.92     | 0.3102  |        |
|                                                                         | 256QAM<br>DFT-s-OFDM    | 1                       | 1      | 1    | 0      | 18.85      | 0.0768       | 22.85     | 0.1929  |        |
|                                                                         |                         | 1                       | 23     | 1    | 49     | 18.94      | 0.0783       | 22.94     | 0.1968  |        |
|                                                                         |                         | 12                      | 6      | 50   | 0      | 19.00      | 0.0794       | 23.00     | 0.1995  |        |

| EN-DC n5 (ANT M)+2A (ANT M2)Combination 20MHz+10MHz(LTE)(GT - LC = 3 dB) |                         |      |        |      |        |            |              |          |        |
|--------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|--------|
| Channel                                                                  | Mode                    | NR   |        | LTE  |        | Conducted  |              | ERP      |        |
|                                                                          |                         | RB   |        | RB   |        |            |              |          |        |
|                                                                          |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | ERP(W) |
| Lowest                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.20      | 0.2633       | 25.05    | 0.3202 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 24.25      | 0.2663       | 25.10    | 0.3239 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 24.29      | 0.2688       | 25.14    | 0.327  |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.10      | 0.2573       | 24.95    | 0.313  |
|                                                                          |                         | 1    | 104    | 1    | 99     | 24.23      | 0.2651       | 25.08    | 0.3224 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 24.26      | 0.2669       | 25.11    | 0.3246 |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 22.90      | 0.1949       | 23.75    | 0.2371 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 23.09      | 0.2037       | 23.94    | 0.2477 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 23.16      | 0.207        | 24.01    | 0.2517 |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.59      | 0.1444       | 22.44    | 0.1756 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 21.65      | 0.1461       | 22.50    | 0.1776 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 21.71      | 0.1484       | 22.56    | 0.1805 |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.68      | 0.0929       | 20.53    | 0.113  |
|                                                                          |                         | 1    | 104    | 1    | 99     | 19.82      | 0.096        | 20.67    | 0.1167 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 19.70      | 0.0934       | 20.55    | 0.1135 |
| Middle                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.24      | 0.2657       | 25.09    | 0.3231 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 24.22      | 0.2645       | 25.07    | 0.3216 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 24.27      | 0.2676       | 25.12    | 0.3255 |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.19      | 0.2627       | 25.04    | 0.3195 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 24.21      | 0.2638       | 25.06    | 0.3209 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 24.26      | 0.2669       | 25.11    | 0.3246 |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 23.04      | 0.2013       | 23.89    | 0.2448 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 23.07      | 0.2027       | 23.92    | 0.2465 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 23.23      | 0.2102       | 24.08    | 0.2557 |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.74      | 0.1492       | 22.59    | 0.1814 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 21.79      | 0.1509       | 22.64    | 0.1835 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 21.75      | 0.1498       | 22.60    | 0.1821 |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.80      | 0.0955       | 20.65    | 0.1161 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 19.78      | 0.095        | 20.63    | 0.1156 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 19.88      | 0.0972       | 20.73    | 0.1183 |
| QPSK<br>CP-<br>OFDM                                                      | 1                       | 1    | 1      | 0    | 22.48  | 0.1771     | 23.33        | 0.2154   |        |
|                                                                          | 1                       | 104  | 1      | 99   | 22.59  | 0.1816     | 23.44        | 0.2209   |        |
|                                                                          | 53                      | 26   | 100    | 0    | 22.75  | 0.1883     | 23.60        | 0.2291   |        |
| Highest                                                                  | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.27      | 0.2676       | 25.12    | 0.3254 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 23.54      | 0.2257       | 24.39    | 0.2746 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 24.27      | 0.2675       | 25.12    | 0.3254 |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.10      | 0.2573       | 24.95    | 0.3129 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 23.51      | 0.2243       | 24.36    | 0.2727 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 24.27      | 0.2675       | 25.12    | 0.3253 |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 22.99      | 0.199        | 23.84    | 0.242  |
|                                                                          |                         | 1    | 104    | 1    | 99     | 22.52      | 0.1787       | 23.37    | 0.2173 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 23.19      | 0.2083       | 24.04    | 0.2534 |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.67      | 0.1468       | 22.52    | 0.1785 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 21.44      | 0.1392       | 22.29    | 0.1693 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 21.77      | 0.1505       | 22.62    | 0.183  |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.72      | 0.0938       | 20.57    | 0.1141 |
|                                                                          |                         | 1    | 104    | 1    | 99     | 19.73      | 0.094        | 20.58    | 0.1143 |
|                                                                          |                         | 50   | 25     | 100  | 0      | 19.76      | 0.0946       | 20.61    | 0.1151 |

| EN-DC n5 (ANT M)+2A (ANT M2) Combination 15MHz+20MHz(LTE)(GT - LC = 3 dB) |                         |      |        |      |        |            |              |          |        |
|---------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|--------|
| Channel                                                                   | Mode                    | NR   |        | LTE  |        | Conducted  |              | ERP      |        |
|                                                                           |                         | RB   |        | RB   |        |            |              |          |        |
|                                                                           |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | ERP(W) |
| Lowest                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.24      | 0.2657       | 25.09    | 0.3231 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.22      | 0.2645       | 25.07    | 0.3217 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.27      | 0.2676       | 25.12    | 0.3254 |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.19      | 0.2627       | 25.04    | 0.3195 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.25      | 0.2658       | 25.10    | 0.3232 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.25      | 0.2664       | 25.10    | 0.324  |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 23.03      | 0.2008       | 23.88    | 0.2442 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.14      | 0.206        | 23.99    | 0.2505 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.16      | 0.2069       | 24.01    | 0.2516 |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.68      | 0.1471       | 22.53    | 0.1789 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 21.70      | 0.1478       | 22.55    | 0.1797 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 21.67      | 0.1468       | 22.52    | 0.1785 |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.76      | 0.0946       | 20.61    | 0.115  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 19.83      | 0.0961       | 20.68    | 0.1169 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 19.65      | 0.0923       | 20.50    | 0.1123 |
| Middle                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.27      | 0.2675       | 25.12    | 0.3253 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.25      | 0.2664       | 25.10    | 0.324  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.23      | 0.2646       | 25.08    | 0.3218 |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.25      | 0.2663       | 25.10    | 0.3239 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.28      | 0.2682       | 25.13    | 0.3262 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.24      | 0.2657       | 25.09    | 0.3232 |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 23.11      | 0.2046       | 23.96    | 0.2488 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.18      | 0.2078       | 24.03    | 0.2528 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.23      | 0.2103       | 24.08    | 0.2557 |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.74      | 0.1494       | 22.59    | 0.1818 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 21.86      | 0.1536       | 22.71    | 0.1868 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 21.75      | 0.1495       | 22.60    | 0.1818 |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.78      | 0.0951       | 20.63    | 0.1156 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 19.85      | 0.0966       | 20.70    | 0.1174 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 19.69      | 0.0932       | 20.54    | 0.1133 |
| QPSK<br>CP-<br>OFDM                                                       | 1                       | 1    | 1      | 0    | 22.76  | 0.1888     | 23.61        | 0.2296   |        |
|                                                                           | 1                       | 77   | 1      | 99   | 22.60  | 0.182      | 23.45        | 0.2213   |        |
|                                                                           | 39                      | 19   | 100    | 0    | 22.73  | 0.1875     | 23.58        | 0.228    |        |
| Highest                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.29      | 0.2688       | 25.14    | 0.3269 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.61      | 0.2294       | 24.46    | 0.279  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.28      | 0.2681       | 25.13    | 0.3261 |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.22      | 0.2645       | 25.07    | 0.3216 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.58      | 0.2278       | 24.43    | 0.2771 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.24      | 0.2657       | 25.09    | 0.3231 |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 23.11      | 0.2045       | 23.96    | 0.2487 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 22.55      | 0.18         | 23.40    | 0.2189 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.17      | 0.2074       | 24.02    | 0.2522 |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.78      | 0.1505       | 22.63    | 0.1831 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 21.45      | 0.1396       | 22.30    | 0.1698 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 21.71      | 0.1484       | 22.56    | 0.1805 |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.79      | 0.0953       | 20.64    | 0.1159 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 19.71      | 0.0936       | 20.56    | 0.1138 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 19.56      | 0.0904       | 20.41    | 0.11   |

| EN-DC n5 (ANT M)+2A (ANT M2) Combination 10MHz+20MHz(LTE)(GT - LC = 3 dB) |                         |      |        |      |        |            |              |          |        |
|---------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|--------|
| Channel                                                                   | Mode                    | NR   |        | LTE  |        | Conducted  |              | ERP      |        |
|                                                                           |                         | RB   |        | RB   |        |            |              |          |        |
|                                                                           |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | ERP(W) |
| Lowest                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.13      | 0.2591       | 24.98    | 0.3151 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.26      | 0.2669       | 25.11    | 0.3246 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.15      | 0.2597       | 25.00    | 0.3159 |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.06      | 0.2549       | 24.91    | 0.3101 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.20      | 0.2632       | 25.05    | 0.3202 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.12      | 0.2584       | 24.97    | 0.3143 |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 22.94      | 0.1967       | 23.79    | 0.2393 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 22.95      | 0.1972       | 23.80    | 0.2399 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.06      | 0.2023       | 23.91    | 0.246  |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.56      | 0.1431       | 22.41    | 0.174  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 21.62      | 0.1451       | 22.47    | 0.1765 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 21.54      | 0.1424       | 22.39    | 0.1732 |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.57      | 0.0906       | 20.42    | 0.1102 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 19.66      | 0.0925       | 20.51    | 0.1125 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 19.47      | 0.0885       | 20.32    | 0.1077 |
| Middle                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.24      | 0.2657       | 25.09    | 0.3231 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.22      | 0.2644       | 25.07    | 0.3216 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.17      | 0.2609       | 25.02    | 0.3173 |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.21      | 0.2633       | 25.06    | 0.3203 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.20      | 0.2627       | 25.05    | 0.3195 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.16      | 0.2603       | 25.01    | 0.3166 |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 23.06      | 0.2023       | 23.91    | 0.246  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.09      | 0.2037       | 23.94    | 0.2477 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.05      | 0.2017       | 23.90    | 0.2453 |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.72      | 0.1484       | 22.57    | 0.1805 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 21.76      | 0.1501       | 22.61    | 0.1826 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 21.56      | 0.1431       | 22.41    | 0.174  |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.73      | 0.0939       | 20.58    | 0.1142 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 19.75      | 0.0945       | 20.60    | 0.1149 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 19.49      | 0.089        | 20.34    | 0.1082 |
| QPSK<br>CP-<br>OFDM                                                       | 1                       | 1    | 1      | 0    | 22.49  | 0.1774     | 23.34        | 0.2158   |        |
|                                                                           | 1                       | 77   | 1      | 99   | 22.53  | 0.1791     | 23.38        | 0.2178   |        |
|                                                                           | 39                      | 19   | 100    | 0    | 22.56  | 0.1803     | 23.41        | 0.2193   |        |
| Highest                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.23      | 0.2651       | 25.08    | 0.3224 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.27      | 0.2676       | 25.12    | 0.3255 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.20      | 0.2633       | 25.05    | 0.3202 |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.10      | 0.2573       | 24.95    | 0.3129 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 24.13      | 0.2585       | 24.98    | 0.3144 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 24.18      | 0.262        | 25.03    | 0.3187 |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 22.87      | 0.1936       | 23.72    | 0.2355 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 22.96      | 0.1977       | 23.81    | 0.2404 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.03      | 0.2008       | 23.88    | 0.2442 |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.57      | 0.1435       | 22.42    | 0.1745 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 21.62      | 0.1451       | 22.47    | 0.1764 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 21.46      | 0.1398       | 22.31    | 0.1701 |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.65      | 0.0923       | 20.50    | 0.1122 |
|                                                                           |                         | 1    | 77     | 1    | 99     | 19.61      | 0.0915       | 20.46    | 0.1112 |
|                                                                           |                         | 36   | 18     | 100  | 0      | 19.47      | 0.0885       | 20.32    | 0.1077 |

| EN-DC n5 (ANT M)+2A (ANT M2) Combination 5MHz+20MHz(LTE)(GT - LC = 3 dB) |                         |      |        |      |        |            |              |          |        |
|--------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|--------|
| Channel                                                                  | Mode                    | NR   |        | LTE  |        | Conducted  |              | ERP      |        |
|                                                                          |                         | RB   |        | RB   |        |            |              |          |        |
|                                                                          |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | ERP(W) |
| Lowest                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.22      | 0.2645       | 25.07    | 0.3216 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 24.20      | 0.2633       | 25.05    | 0.3202 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 24.26      | 0.2669       | 25.11    | 0.3246 |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.16      | 0.2609       | 25.01    | 0.3173 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 24.26      | 0.267        | 25.11    | 0.3247 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 24.27      | 0.2675       | 25.12    | 0.3254 |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 23.04      | 0.2013       | 23.89    | 0.2448 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 23.06      | 0.2023       | 23.91    | 0.246  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.23      | 0.2103       | 24.08    | 0.2558 |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.68      | 0.1474       | 22.53    | 0.1792 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 21.75      | 0.1498       | 22.60    | 0.1822 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 21.67      | 0.1467       | 22.52    | 0.1785 |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.78      | 0.095        | 20.63    | 0.1156 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 19.76      | 0.0947       | 20.61    | 0.1151 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 19.70      | 0.0933       | 20.55    | 0.1135 |
| Middle                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.17      | 0.2614       | 25.02    | 0.318  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 24.25      | 0.2664       | 25.10    | 0.324  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 24.23      | 0.2651       | 25.08    | 0.3224 |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.24      | 0.2657       | 25.09    | 0.3231 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 24.21      | 0.2639       | 25.06    | 0.3209 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 24.26      | 0.267        | 25.11    | 0.3247 |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 23.11      | 0.2046       | 23.96    | 0.2488 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 23.08      | 0.2032       | 23.93    | 0.2471 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.27      | 0.2122       | 24.12    | 0.2581 |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.80      | 0.1515       | 22.65    | 0.1842 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 21.54      | 0.1427       | 22.39    | 0.1736 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 21.72      | 0.1485       | 22.57    | 0.1806 |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.83      | 0.0962       | 20.68    | 0.117  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 19.81      | 0.0958       | 20.66    | 0.1165 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 19.69      | 0.0932       | 20.54    | 0.1133 |
| QPSK<br>CP-<br>OFDM                                                      | 1                       | 1    | 1      | 0    | 22.58  | 0.1812     | 23.43        | 0.2204   |        |
|                                                                          | 1                       | 23   | 1      | 99   | 22.56  | 0.1804     | 23.41        | 0.2194   |        |
|                                                                          | 13                      | 6    | 100    | 0    | 22.71  | 0.1866     | 23.56        | 0.2269   |        |
| Highest                                                                  | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 24.25      | 0.2664       | 25.10    | 0.3239 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 24.19      | 0.2627       | 25.04    | 0.3195 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 24.18      | 0.262        | 25.03    | 0.3187 |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 24.26      | 0.2669       | 25.11    | 0.3247 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 24.22      | 0.2645       | 25.07    | 0.3217 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 24.24      | 0.2657       | 25.09    | 0.3231 |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 23.06      | 0.2022       | 23.91    | 0.2459 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 23.09      | 0.2037       | 23.94    | 0.2477 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.23      | 0.2103       | 24.08    | 0.2557 |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.74      | 0.1494       | 22.59    | 0.1817 |
|                                                                          |                         | 1    | 23     | 1    | 99     | 21.79      | 0.1509       | 22.64    | 0.1835 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 21.67      | 0.1468       | 22.52    | 0.1785 |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 19.72      | 0.0937       | 20.57    | 0.114  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 19.76      | 0.0946       | 20.61    | 0.1151 |
|                                                                          |                         | 12   | 6      | 100  | 0      | 19.73      | 0.094        | 20.58    | 0.1143 |

| EN-DC n66 (ANT M)+48A (ANT M2)Combination 40MHz+20MHz(LTE)(GT - LC = 3 dB) |                         |      |        |      |        |            |              |          |         |
|----------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|---------|
| Channel                                                                    | Mode                    | NR   |        | LTE  |        |            |              |          |         |
|                                                                            |                         | RB   |        | RB   |        |            |              |          |         |
|                                                                            |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | EIRP(W) |
| Lowest                                                                     | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 21.91      | 0.1553       | 24.91    | 0.3099  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 22.69      | 0.1857       | 25.69    | 0.3706  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 22.92      | 0.1958       | 25.92    | 0.3907  |
|                                                                            | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 22.53      | 0.179        | 25.53    | 0.3572  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 22.67      | 0.1849       | 25.67    | 0.369   |
|                                                                            |                         | 108  | 54     | 100  | 0      | 22.96      | 0.1976       | 25.96    | 0.3943  |
|                                                                            | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.45      | 0.1396       | 24.45    | 0.2785  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 21.45      | 0.1398       | 24.45    | 0.2789  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 21.93      | 0.1561       | 24.93    | 0.3114  |
|                                                                            | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.10      | 0.1023       | 23.10    | 0.2041  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 20.15      | 0.1036       | 23.15    | 0.2068  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 20.36      | 0.1087       | 23.36    | 0.2169  |
|                                                                            | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.09      | 0.0644       | 21.09    | 0.1285  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 18.22      | 0.0663       | 21.22    | 0.1323  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 18.51      | 0.071        | 21.51    | 0.1416  |
| Middle                                                                     | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 22.46      | 0.1762       | 25.46    | 0.3516  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 22.81      | 0.191        | 25.81    | 0.381   |
|                                                                            |                         | 108  | 54     | 100  | 0      | 23.09      | 0.2036       | 26.09    | 0.4062  |
|                                                                            | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 22.53      | 0.1791       | 25.53    | 0.3573  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 22.74      | 0.1879       | 25.74    | 0.3749  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 23.05      | 0.2017       | 26.05    | 0.4025  |
|                                                                            | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.44      | 0.1392       | 24.44    | 0.2777  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 21.50      | 0.1411       | 24.50    | 0.2815  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 21.96      | 0.1572       | 24.96    | 0.3136  |
|                                                                            | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.18      | 0.1041       | 23.18    | 0.2077  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 20.15      | 0.1036       | 23.15    | 0.2067  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 20.44      | 0.1108       | 23.44    | 0.221   |
|                                                                            | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.21      | 0.0662       | 21.21    | 0.1322  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 18.23      | 0.0666       | 21.23    | 0.1329  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 18.49      | 0.0707       | 21.49    | 0.141   |
| QPSK<br>CP-<br>OFDM                                                        | 1                       | 1    | 1      | 0    | 21.01  | 0.1262     | 24.01        | 0.2517   |         |
|                                                                            | 1                       | 214  | 1      | 49   | 20.94  | 0.1241     | 23.94        | 0.2477   |         |
|                                                                            | 108                     | 54   | 50     | 0    | 21.46  | 0.1398     | 24.46        | 0.279    |         |
| Highest                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 22.51      | 0.1783       | 25.51    | 0.3558  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 22.64      | 0.1836       | 25.64    | 0.3664  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 23.08      | 0.2031       | 26.08    | 0.4053  |
|                                                                            | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 22.57      | 0.1807       | 25.57    | 0.3606  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 22.84      | 0.1923       | 25.84    | 0.3836  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 23.05      | 0.2017       | 26.05    | 0.4025  |
|                                                                            | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.42      | 0.1386       | 24.42    | 0.2765  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 21.43      | 0.1391       | 24.43    | 0.2776  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 21.88      | 0.1543       | 24.88    | 0.3079  |
|                                                                            | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.11      | 0.1025       | 23.11    | 0.2045  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 20.18      | 0.1041       | 23.18    | 0.2078  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 20.35      | 0.1085       | 23.35    | 0.2164  |
|                                                                            | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.09      | 0.0644       | 21.09    | 0.1284  |
|                                                                            |                         | 1    | 214    | 1    | 99     | 18.15      | 0.0653       | 21.15    | 0.1303  |
|                                                                            |                         | 108  | 54     | 100  | 0      | 18.40      | 0.0692       | 21.40    | 0.1382  |

| EN-DC n66 (ANT M)+48A (ANT M2)Combination 20MHz+20MHz(LTE)(GT - LC = 3 dB) |                         |      |        |      |        |            |              |          |         |
|----------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|---------|
| Channel                                                                    | Mode                    | NR   |        | LTE  |        | Conducted  |              | EIRP     |         |
|                                                                            |                         | RB   |        | RB   |        |            |              |          |         |
|                                                                            |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | EIRP(W) |
| Lowest                                                                     | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 23.09      | 0.2036       | 26.09    | 0.4063  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 23.00      | 0.1995       | 26.00    | 0.398   |
|                                                                            |                         | 50   | 25     | 100  | 0      | 23.05      | 0.2017       | 26.05    | 0.4025  |
|                                                                            | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.03      | 0.2008       | 26.03    | 0.4007  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 22.91      | 0.1954       | 25.91    | 0.3898  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 23.04      | 0.2013       | 26.04    | 0.4016  |
|                                                                            | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.88      | 0.1543       | 24.88    | 0.308   |
|                                                                            |                         | 1    | 104    | 1    | 99     | 22.03      | 0.1597       | 25.03    | 0.3186  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 22.11      | 0.1626       | 25.11    | 0.3245  |
|                                                                            | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.59      | 0.1146       | 23.59    | 0.2287  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 20.62      | 0.1154       | 23.62    | 0.2302  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 20.65      | 0.1162       | 23.65    | 0.2318  |
|                                                                            | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.63      | 0.073        | 21.63    | 0.1456  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 18.72      | 0.0745       | 21.72    | 0.1486  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 18.60      | 0.0724       | 21.60    | 0.1445  |
| Middle                                                                     | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 22.99      | 0.199        | 25.99    | 0.3971  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 22.90      | 0.195        | 25.90    | 0.389   |
|                                                                            |                         | 50   | 25     | 100  | 0      | 22.74      | 0.1879       | 25.74    | 0.3748  |
|                                                                            | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 22.98      | 0.1985       | 25.98    | 0.3961  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 23.06      | 0.2023       | 26.06    | 0.4036  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 22.79      | 0.1901       | 25.79    | 0.3793  |
|                                                                            | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.96      | 0.1572       | 24.96    | 0.3136  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 22.04      | 0.1601       | 25.04    | 0.3194  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 22.13      | 0.1634       | 25.13    | 0.326   |
|                                                                            | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.56      | 0.1138       | 23.56    | 0.2271  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 20.71      | 0.1178       | 23.71    | 0.2351  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 20.60      | 0.1149       | 23.60    | 0.2292  |
|                                                                            | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.67      | 0.0736       | 21.67    | 0.1469  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 18.74      | 0.0748       | 21.74    | 0.1493  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 18.63      | 0.073        | 21.63    | 0.1456  |
| QPSK<br>CP-<br>OFDM                                                        | 1                       | 1    | 1      | 0    | 21.37  | 0.137      | 24.37        | 0.2734   |         |
|                                                                            | 1                       | 104  | 1      | 49   | 21.42  | 0.1386     | 24.42        | 0.2765   |         |
|                                                                            | 53                      | 26   | 50     | 0    | 21.62  | 0.1451     | 24.62        | 0.2895   |         |
| Highest                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 22.97      | 0.1981       | 25.97    | 0.3952  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 23.11      | 0.2045       | 26.11    | 0.408   |
|                                                                            |                         | 50   | 25     | 100  | 0      | 23.37      | 0.2171       | 26.37    | 0.4332  |
|                                                                            | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.04      | 0.2013       | 26.04    | 0.4017  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 23.14      | 0.206        | 26.14    | 0.411   |
|                                                                            |                         | 50   | 25     | 100  | 0      | 23.30      | 0.2137       | 26.30    | 0.4263  |
|                                                                            | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.81      | 0.1516       | 24.81    | 0.3024  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 22.04      | 0.1601       | 25.04    | 0.3194  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 21.95      | 0.1568       | 24.95    | 0.3128  |
|                                                                            | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.46      | 0.1112       | 23.46    | 0.2219  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 20.55      | 0.1136       | 23.55    | 0.2266  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 20.47      | 0.1115       | 23.47    | 0.2225  |
|                                                                            | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.50      | 0.0708       | 21.50    | 0.1413  |
|                                                                            |                         | 1    | 104    | 1    | 99     | 18.69      | 0.074        | 21.69    | 0.1476  |
|                                                                            |                         | 50   | 25     | 100  | 0      | 18.57      | 0.072        | 21.57    | 0.1437  |

| EN-DC n66 (ANT M)+48A (ANT M2)Combination 15MHz+20MHz(LTE)(GT - LC =3 dB) |                         |      |        |      |        |            |              |          |         |
|---------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|---------|
| Channel                                                                   | Mode                    | NR   |        | LTE  |        |            |              |          |         |
|                                                                           |                         | RB   |        | RB   |        |            |              |          |         |
|                                                                           |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | EIRP(W) |
| Lowest                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 22.89      | 0.1945       | 25.89    | 0.3881  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 22.69      | 0.1858       | 25.69    | 0.3707  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 22.91      | 0.1954       | 25.91    | 0.3898  |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.05      | 0.2017       | 26.05    | 0.4025  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 22.89      | 0.1945       | 25.89    | 0.388   |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.00      | 0.1995       | 26.00    | 0.398   |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.99      | 0.1583       | 24.99    | 0.3158  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 21.98      | 0.1579       | 24.98    | 0.315   |
|                                                                           |                         | 36   | 18     | 100  | 0      | 22.13      | 0.1634       | 25.13    | 0.326   |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.66      | 0.1165       | 23.66    | 0.2324  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 20.70      | 0.1175       | 23.70    | 0.2345  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 20.64      | 0.116        | 23.64    | 0.2314  |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.69      | 0.074        | 21.69    | 0.1476  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 18.74      | 0.0749       | 21.74    | 0.1494  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 18.57      | 0.072        | 21.57    | 0.1436  |
| Middle                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 22.80      | 0.1905       | 25.80    | 0.3801  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.03      | 0.2008       | 26.03    | 0.4006  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 22.81      | 0.191        | 25.81    | 0.381   |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 22.91      | 0.1954       | 25.91    | 0.3898  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.00      | 0.1995       | 26.00    | 0.398   |
|                                                                           |                         | 36   | 18     | 100  | 0      | 22.86      | 0.1932       | 25.86    | 0.3854  |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 22.08      | 0.1615       | 25.08    | 0.3223  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 22.04      | 0.1601       | 25.04    | 0.3195  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 22.13      | 0.1634       | 25.13    | 0.326   |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.70      | 0.1176       | 23.70    | 0.2346  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 20.76      | 0.1192       | 23.76    | 0.2378  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 20.64      | 0.116        | 23.64    | 0.2314  |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.76      | 0.0751       | 21.76    | 0.1499  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 18.78      | 0.0754       | 21.78    | 0.1505  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 18.47      | 0.0703       | 21.47    | 0.1403  |
| QPSK<br>CP-<br>OFDM                                                       | 1                       | 1    | 1      | 0    | 21.48  | 0.1405     | 24.48        | 0.2803   |         |
|                                                                           | 1                       | 77   | 1      | 49   | 21.50  | 0.1412     | 24.50        | 0.2817   |         |
|                                                                           | 39                      | 19   | 50     | 0    | 21.56  | 0.1431     | 24.56        | 0.2855   |         |
| Highest                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 23.23      | 0.2103       | 26.23    | 0.4196  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.31      | 0.2141       | 26.31    | 0.4273  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.40      | 0.2186       | 26.40    | 0.4362  |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.35      | 0.2162       | 26.35    | 0.4313  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 23.43      | 0.2201       | 26.43    | 0.4392  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 23.47      | 0.2221       | 26.47    | 0.4432  |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.83      | 0.1525       | 24.83    | 0.3043  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 22.03      | 0.1597       | 25.03    | 0.3187  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 22.00      | 0.1586       | 25.00    | 0.3165  |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.48      | 0.1117       | 23.48    | 0.223   |
|                                                                           |                         | 1    | 77     | 1    | 99     | 20.75      | 0.1189       | 23.75    | 0.2372  |
|                                                                           |                         | 36   | 18     | 100  | 0      | 20.50      | 0.1123       | 23.50    | 0.2241  |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.59      | 0.0723       | 21.59    | 0.1443  |
|                                                                           |                         | 1    | 77     | 1    | 99     | 18.70      | 0.0742       | 21.70    | 0.148   |
|                                                                           |                         | 36   | 18     | 100  | 0      | 18.39      | 0.069        | 21.39    | 0.1376  |

| EN-DC n66 (ANT M)+48A (ANT M2)Combination 10MHz+20MHz(LTE)(GT - LC =3 dB) |                         |      |        |      |        |            |              |          |         |
|---------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|---------|
| Channel                                                                   | Mode                    | NR   |        | LTE  |        | Conducted  |              | EIRP     |         |
|                                                                           |                         | RB   |        | RB   |        |            |              |          |         |
|                                                                           |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | EIRP(W) |
| Lowest                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 23.00      | 0.1994       | 26.00    | 0.3979  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 23.06      | 0.2022       | 26.06    | 0.4035  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 23.04      | 0.2013       | 26.04    | 0.4016  |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.13      | 0.2055       | 26.13    | 0.4099  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 23.05      | 0.2017       | 26.05    | 0.4025  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 23.03      | 0.2008       | 26.03    | 0.4007  |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.87      | 0.1539       | 24.87    | 0.3072  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 22.07      | 0.1611       | 25.07    | 0.3215  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 21.95      | 0.1568       | 24.95    | 0.3129  |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.56      | 0.1138       | 23.56    | 0.2271  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 20.67      | 0.1167       | 23.67    | 0.2329  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 20.50      | 0.1123       | 23.50    | 0.2241  |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.62      | 0.0728       | 21.62    | 0.1453  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 18.70      | 0.0741       | 21.70    | 0.1478  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 18.50      | 0.0708       | 21.50    | 0.1413  |
| Middle                                                                    | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 22.77      | 0.1892       | 25.77    | 0.3776  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 22.99      | 0.199        | 25.99    | 0.3971  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 22.86      | 0.1932       | 25.86    | 0.3854  |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 22.70      | 0.1862       | 25.70    | 0.3716  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 22.92      | 0.1958       | 25.92    | 0.3907  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 22.84      | 0.1923       | 25.84    | 0.3836  |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.89      | 0.1547       | 24.89    | 0.3087  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 21.90      | 0.155        | 24.90    | 0.3093  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 21.96      | 0.1572       | 24.96    | 0.3137  |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.59      | 0.1146       | 23.59    | 0.2286  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 20.62      | 0.1154       | 23.62    | 0.2302  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 20.42      | 0.1102       | 23.42    | 0.22    |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.60      | 0.0725       | 21.60    | 0.1446  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 18.69      | 0.0739       | 21.69    | 0.1475  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 18.47      | 0.0704       | 21.47    | 0.1404  |
| QPSK<br>CP-<br>OFDM                                                       | 1                       | 1    | 1      | 0    | 21.38  | 0.1373     | 24.38        | 0.274    |         |
|                                                                           | 1                       | 50   | 1      | 49   | 21.47  | 0.1401     | 24.47        | 0.2796   |         |
|                                                                           | 26                      | 13   | 50     | 0    | 21.45  | 0.1396     | 24.45        | 0.2785   |         |
| Highest                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 23.19      | 0.2084       | 26.19    | 0.4158  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 23.27      | 0.2122       | 26.27    | 0.4233  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 23.29      | 0.2132       | 26.29    | 0.4253  |
|                                                                           | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.38      | 0.2176       | 26.38    | 0.4342  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 23.25      | 0.2112       | 26.25    | 0.4215  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 23.33      | 0.2151       | 26.33    | 0.4292  |
|                                                                           | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.80      | 0.1512       | 24.80    | 0.3017  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 21.94      | 0.1564       | 24.94    | 0.3121  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 13.13      | 0.0205       | 16.13    | 0.041   |
|                                                                           | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.54      | 0.1133       | 23.54    | 0.2261  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 20.69      | 0.1173       | 23.69    | 0.2339  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 20.47      | 0.1115       | 23.47    | 0.2224  |
|                                                                           | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.54      | 0.0715       | 21.54    | 0.1426  |
|                                                                           |                         | 1    | 50     | 1    | 99     | 18.69      | 0.074        | 21.69    | 0.1476  |
|                                                                           |                         | 25   | 12     | 100  | 0      | 18.43      | 0.0697       | 21.43    | 0.1391  |

| EN-DC n66 (ANT M)+48A (ANT M2)Combination 5MHz+20MHz(LTE)(GT - LC =3 dB) |                         |      |        |      |        |            |              |          |         |
|--------------------------------------------------------------------------|-------------------------|------|--------|------|--------|------------|--------------|----------|---------|
| Channel                                                                  | Mode                    | NR   |        | LTE  |        | Conducted  |              | EIRP     |         |
|                                                                          |                         | RB   |        | RB   |        |            |              |          |         |
|                                                                          |                         | Size | Offset | Size | Offset | Power(dBm) | Power(Watts) | IRP(dBm) | EIRP(W) |
| Lowest                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 23.13      | 0.2055       | 26.13    | 0.4101  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 23.09      | 0.2036       | 26.09    | 0.4062  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.03      | 0.2008       | 26.03    | 0.4007  |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.10      | 0.204        | 26.10    | 0.4071  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 23.05      | 0.2017       | 26.05    | 0.4025  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.08      | 0.2031       | 26.08    | 0.4053  |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 21.88      | 0.1543       | 24.88    | 0.3079  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 22.05      | 0.1605       | 25.05    | 0.3202  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 22.10      | 0.1623       | 25.10    | 0.3238  |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.57      | 0.1141       | 23.57    | 0.2277  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 20.66      | 0.1165       | 23.66    | 0.2324  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 20.52      | 0.1128       | 23.52    | 0.2251  |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.63      | 0.073        | 21.63    | 0.1456  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 18.71      | 0.0743       | 21.71    | 0.1483  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 18.53      | 0.0714       | 21.53    | 0.1424  |
| Middle                                                                   | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 23.03      | 0.2008       | 26.03    | 0.4007  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 22.84      | 0.1923       | 25.84    | 0.3836  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.09      | 0.2036       | 26.09    | 0.4063  |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.05      | 0.2018       | 26.05    | 0.4026  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 22.93      | 0.1963       | 25.93    | 0.3916  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.11      | 0.2045       | 26.11    | 0.4081  |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 22.01      | 0.159        | 25.01    | 0.3172  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 22.06      | 0.1608       | 25.06    | 0.3209  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 22.14      | 0.1638       | 25.14    | 0.3268  |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.66      | 0.1165       | 23.66    | 0.2324  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 20.67      | 0.1168       | 23.67    | 0.233   |
|                                                                          |                         | 12   | 6      | 100  | 0      | 20.62      | 0.1154       | 23.62    | 0.2303  |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.78      | 0.0755       | 21.78    | 0.1506  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 18.73      | 0.0747       | 21.73    | 0.149   |
|                                                                          |                         | 12   | 6      | 100  | 0      | 18.62      | 0.0728       | 21.62    | 0.1453  |
| QPSK<br>CP-<br>OFDM                                                      | 1                       | 1    | 1      | 0    | 21.57  | 0.1434     | 24.57        | 0.2862   |         |
|                                                                          | 1                       | 23   | 1      | 49   | 21.41  | 0.1382     | 24.41        | 0.2758   |         |
|                                                                          | 13                      | 6    | 50     | 0    | 21.56  | 0.1431     | 24.56        | 0.2855   |         |
| Highest                                                                  | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 1    | 0      | 23.31      | 0.2141       | 26.31    | 0.4272  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 23.18      | 0.2079       | 26.18    | 0.4147  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.41      | 0.2191       | 26.41    | 0.4371  |
|                                                                          | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 1    | 0      | 23.33      | 0.2151       | 26.33    | 0.4292  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 23.16      | 0.2069       | 26.16    | 0.4129  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 23.34      | 0.2156       | 26.34    | 0.4302  |
|                                                                          | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 22.06      | 0.1608       | 25.06    | 0.3208  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 21.98      | 0.1578       | 24.98    | 0.315   |
|                                                                          |                         | 12   | 6      | 100  | 0      | 22.15      | 0.1642       | 25.15    | 0.3275  |
|                                                                          | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 1    | 0      | 20.72      | 0.1181       | 23.72    | 0.2356  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 20.64      | 0.1159       | 23.64    | 0.2313  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 20.65      | 0.1162       | 23.65    | 0.2319  |
|                                                                          | 256QA<br>M<br>DFT-s-    | 1    | 1      | 1    | 0      | 18.77      | 0.0754       | 21.77    | 0.1504  |
|                                                                          |                         | 1    | 23     | 1    | 99     | 18.78      | 0.0754       | 21.78    | 0.1505  |
|                                                                          |                         | 12   | 6      | 100  | 0      | 18.61      | 0.0726       | 21.61    | 0.1449  |

| SA n2 (ANT M) 20MHz (GT - LC = 4 dB) |                            |      |        |            |              |          |         |
|--------------------------------------|----------------------------|------|--------|------------|--------------|----------|---------|
| Channel                              | Mode                       | NR   |        | Conducted  |              | EIRP     |         |
|                                      |                            | RB   |        |            |              |          |         |
|                                      |                            | Size | Offset | Power(dBm) | Power(Watts) | IRP(dBm) | EIRP(W) |
| Lowest                               | PI/2<br>BPSK<br>DFT-s-OFDM | 1    | 1      | 22.83      | 0.1919       | 26.83    | 0.4819  |
|                                      |                            | 1    | 104    | 23.08      | 0.2032       | 27.08    | 0.5105  |
|                                      |                            | 50   | 25     | 23.12      | 0.2051       | 27.12    | 0.5152  |
|                                      | QPSK<br>DFT-s-OFDM         | 1    | 1      | 22.98      | 0.1986       | 26.98    | 0.4989  |
|                                      |                            | 1    | 104    | 23.06      | 0.2023       | 27.06    | 0.5082  |
|                                      |                            | 50   | 25     | 23.25      | 0.2113       | 27.25    | 0.5309  |
|                                      | 16QAM<br>DFT-s-OFDM        | 1    | 1      | 21.75      | 0.1496       | 25.75    | 0.3758  |
|                                      |                            | 1    | 104    | 21.73      | 0.1489       | 25.73    | 0.3741  |
|                                      |                            | 50   | 25     | 21.65      | 0.1462       | 25.65    | 0.3673  |
|                                      | 64QAM<br>DFT-s-OFDM        | 1    | 1      | 19.98      | 0.0995       | 23.98    | 0.25    |
|                                      |                            | 1    | 104    | 20.14      | 0.1033       | 24.14    | 0.2594  |
|                                      |                            | 50   | 25     | 20.22      | 0.1052       | 24.22    | 0.2642  |
|                                      | 256QAM<br>DFT-s-OFDM       | 1    | 1      | 18.25      | 0.0668       | 22.25    | 0.1679  |
|                                      |                            | 1    | 104    | 18.12      | 0.0649       | 22.12    | 0.1629  |
| 50                                   |                            | 25   | 18.22  | 0.0664     | 22.22        | 0.1667   |         |
| Middle                               | PI/2<br>BPSK<br>DFT-s-OFDM | 1    | 1      | 23.19      | 0.2084       | 27.19    | 0.5236  |
|                                      |                            | 1    | 104    | 23.25      | 0.2113       | 27.25    | 0.5309  |
|                                      |                            | 50   | 25     | 23.27      | 0.2123       | 27.27    | 0.5333  |
|                                      | QPSK<br>DFT-s-OFDM         | 1    | 1      | 23.09      | 0.2037       | 27.09    | 0.5117  |
|                                      |                            | 1    | 104    | 23.11      | 0.2046       | 27.11    | 0.514   |
|                                      |                            | 50   | 25     | 23.27      | 0.2123       | 27.27    | 0.5333  |
|                                      | 16QAM<br>DFT-s-OFDM        | 1    | 1      | 21.51      | 0.1416       | 25.51    | 0.3556  |
|                                      |                            | 1    | 104    | 21.86      | 0.1535       | 25.86    | 0.3855  |
|                                      |                            | 50   | 25     | 21.79      | 0.151        | 25.79    | 0.3793  |
|                                      | 64QAM<br>DFT-s-OFDM        | 1    | 1      | 20.09      | 0.1021       | 24.09    | 0.2564  |
|                                      |                            | 1    | 104    | 20.35      | 0.1084       | 24.35    | 0.2723  |
|                                      |                            | 50   | 25     | 20.31      | 0.1074       | 24.31    | 0.2698  |
|                                      | 256QAM<br>DFT-s-OFDM       | 1    | 1      | 18.06      | 0.064        | 22.06    | 0.1607  |
|                                      |                            | 1    | 104    | 18.35      | 0.0684       | 22.35    | 0.1718  |
| 50                                   |                            | 25   | 18.33  | 0.0681     | 22.33        | 0.171    |         |
| QPSK<br>CP-s-OFDM                    | 1                          | 1    | 21.22  | 0.1324     | 25.22        | 0.3327   |         |
|                                      | 1                          | 104  | 21.42  | 0.1387     | 25.42        | 0.3483   |         |
|                                      | 53                         | 26   | 21.29  | 0.1346     | 25.29        | 0.3381   |         |
| Highest                              | PI/2<br>BPSK<br>DFT-s-OFDM | 1    | 1      | 23.02      | 0.2004       | 27.02    | 0.5035  |
|                                      |                            | 1    | 104    | 22.81      | 0.191        | 26.81    | 0.4797  |
|                                      |                            | 50   | 25     | 22.96      | 0.1977       | 26.96    | 0.4966  |
|                                      | QPSK<br>DFT-s-OFDM         | 1    | 1      | 23.03      | 0.2009       | 27.03    | 0.5047  |
|                                      |                            | 1    | 104    | 22.76      | 0.1888       | 26.76    | 0.4742  |
|                                      |                            | 50   | 25     | 23.01      | 0.2          | 27.01    | 0.5023  |
|                                      | 16QAM<br>DFT-s-OFDM        | 1    | 1      | 21.82      | 0.1521       | 25.82    | 0.3819  |
|                                      |                            | 1    | 104    | 21.81      | 0.1517       | 25.81    | 0.3811  |
|                                      |                            | 50   | 25     | 21.96      | 0.157        | 25.96    | 0.3945  |
|                                      | 64QAM<br>DFT-s-OFDM        | 1    | 1      | 20.29      | 0.1069       | 24.29    | 0.2685  |
|                                      |                            | 1    | 104    | 20.19      | 0.1045       | 24.19    | 0.2624  |
|                                      |                            | 50   | 25     | 20.44      | 0.1107       | 24.44    | 0.278   |
|                                      | 256QAM<br>DFT-s-OFDM       | 1    | 1      | 18.29      | 0.0675       | 22.29    | 0.1694  |
|                                      |                            | 1    | 104    | 18.35      | 0.0684       | 22.35    | 0.1718  |
| 50                                   |                            | 25   | 18.37  | 0.0687     | 22.37        | 0.1726   |         |

| SA n2 (ANT M) 15MHz (GT - LC = 4 dB) |                      |      |        |            |              |          |         |
|--------------------------------------|----------------------|------|--------|------------|--------------|----------|---------|
| Channel                              | Mode                 | NR   |        | Conducted  |              | EIRP     |         |
|                                      |                      | RB   |        |            |              |          |         |
|                                      |                      | Size | Offset | Power(dBm) | Power(Watts) | IRP(dBm) | EIRP(W) |
| Lowest                               | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.45      | 0.1758       | 26.45    | 0.4416  |
|                                      |                      | 1    | 77     | 22.27      | 0.1687       | 26.27    | 0.4236  |
|                                      |                      | 36   | 18     | 22.42      | 0.1746       | 26.42    | 0.4385  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.47      | 0.1766       | 26.47    | 0.4436  |
|                                      |                      | 1    | 77     | 22.28      | 0.169        | 26.28    | 0.4246  |
|                                      |                      | 36   | 18     | 22.46      | 0.1762       | 26.46    | 0.4426  |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.75      | 0.1496       | 25.75    | 0.3758  |
|                                      |                      | 1    | 77     | 21.72      | 0.1486       | 25.72    | 0.3733  |
|                                      |                      | 36   | 18     | 21.74      | 0.1493       | 25.74    | 0.375   |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.11      | 0.1026       | 24.11    | 0.2576  |
|                                      |                      | 1    | 77     | 20.24      | 0.1057       | 24.24    | 0.2655  |
|                                      |                      | 36   | 18     | 20.23      | 0.1054       | 24.23    | 0.2649  |
| 256QAM DFT-s-OFDM                    | 1                    | 1    | 18.23  | 0.0665     | 22.23        | 0.1671   |         |
|                                      | 1                    | 77   | 18.21  | 0.0662     | 22.21        | 0.1663   |         |
|                                      | 36                   | 18   | 18.27  | 0.0671     | 22.27        | 0.1687   |         |
| Middle                               | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.14      | 0.1637       | 26.14    | 0.4111  |
|                                      |                      | 1    | 77     | 22.19      | 0.1656       | 26.19    | 0.4159  |
|                                      |                      | 36   | 18     | 22.22      | 0.1667       | 26.22    | 0.4188  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.04      | 0.16         | 26.04    | 0.4018  |
|                                      |                      | 1    | 77     | 22.15      | 0.1641       | 26.15    | 0.4121  |
|                                      |                      | 36   | 18     | 22.17      | 0.1648       | 26.17    | 0.414   |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.64      | 0.1459       | 25.64    | 0.3664  |
|                                      |                      | 1    | 77     | 21.92      | 0.1556       | 25.92    | 0.3908  |
|                                      |                      | 36   | 18     | 21.82      | 0.1521       | 25.82    | 0.3819  |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.18      | 0.1042       | 24.18    | 0.2618  |
|                                      |                      | 1    | 77     | 20.43      | 0.1104       | 24.43    | 0.2773  |
|                                      |                      | 36   | 18     | 20.33      | 0.1079       | 24.33    | 0.271   |
|                                      | 256QAM DFT-s-OFDM    | 1    | 1      | 18.17      | 0.0656       | 22.17    | 0.1648  |
|                                      |                      | 1    | 77     | 18.43      | 0.0697       | 22.43    | 0.175   |
|                                      |                      | 36   | 18     | 18.35      | 0.0684       | 22.35    | 0.1718  |
| QPSK CP-s-OFDM                       | 1                    | 1    | 21.34  | 0.1361     | 25.34        | 0.342    |         |
|                                      | 1                    | 77   | 21.52  | 0.1419     | 25.52        | 0.3565   |         |
|                                      | 39                   | 19   | 21.30  | 0.1349     | 25.30        | 0.3388   |         |
| Highest                              | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.22      | 0.1667       | 26.22    | 0.4188  |
|                                      |                      | 1    | 77     | 22.32      | 0.1706       | 26.32    | 0.4285  |
|                                      |                      | 36   | 18     | 22.38      | 0.173        | 26.38    | 0.4345  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.27      | 0.1687       | 26.27    | 0.4236  |
|                                      |                      | 1    | 77     | 22.35      | 0.1718       | 26.35    | 0.4315  |
|                                      |                      | 36   | 18     | 22.41      | 0.1742       | 26.41    | 0.4375  |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.86      | 0.1535       | 25.86    | 0.3855  |
|                                      |                      | 1    | 77     | 21.96      | 0.157        | 25.96    | 0.3945  |
|                                      |                      | 36   | 18     | 21.92      | 0.1556       | 25.92    | 0.3908  |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.24      | 0.1057       | 24.24    | 0.2655  |
|                                      |                      | 1    | 77     | 20.28      | 0.1067       | 24.28    | 0.2679  |
|                                      |                      | 36   | 18     | 20.44      | 0.1107       | 24.44    | 0.278   |
|                                      | 256QAM DFT-s-OFDM    | 1    | 1      | 18.31      | 0.0678       | 22.31    | 0.1702  |
|                                      |                      | 1    | 77     | 18.53      | 0.0713       | 22.53    | 0.1791  |
|                                      |                      | 36   | 18     | 18.41      | 0.0693       | 22.41    | 0.1742  |

| SA n2 (ANT M) 10MHz (GT - LC = 4 dB) |                      |      |        |            |              |          |         |
|--------------------------------------|----------------------|------|--------|------------|--------------|----------|---------|
| Channel                              | Mode                 | NR   |        | Conducted  |              | EIRP     |         |
|                                      |                      | RB   |        |            |              |          |         |
|                                      |                      | Size | Offset | Power(dBm) | Power(Watts) | IRP(dBm) | EIRP(W) |
| Lowest                               | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.29      | 0.1694       | 26.29    | 0.4256  |
|                                      |                      | 1    | 50     | 22.27      | 0.1687       | 26.27    | 0.4236  |
|                                      |                      | 25   | 12     | 22.34      | 0.1714       | 26.34    | 0.4305  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.27      | 0.1687       | 26.27    | 0.4236  |
|                                      |                      | 1    | 50     | 22.25      | 0.1679       | 26.25    | 0.4217  |
|                                      |                      | 25   | 12     | 22.32      | 0.1706       | 26.32    | 0.4285  |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.63      | 0.1455       | 25.63    | 0.3656  |
|                                      |                      | 1    | 50     | 21.67      | 0.1469       | 25.67    | 0.369   |
|                                      |                      | 25   | 12     | 21.59      | 0.1442       | 25.59    | 0.3622  |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.12      | 0.1028       | 24.12    | 0.2582  |
|                                      |                      | 1    | 50     | 20.22      | 0.1052       | 24.22    | 0.2642  |
|                                      |                      | 25   | 12     | 20.16      | 0.1038       | 24.16    | 0.2606  |
| 256QAM DFT-s-OFDM                    | 1                    | 1    | 18.14  | 0.0652     | 22.14        | 0.1637   |         |
|                                      | 1                    | 50   | 18.16  | 0.0655     | 22.16        | 0.1644   |         |
|                                      | 25                   | 12   | 18.13  | 0.065      | 22.13        | 0.1633   |         |
| Middle                               | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.03      | 0.1596       | 26.03    | 0.4009  |
|                                      |                      | 1    | 50     | 22.23      | 0.1671       | 26.23    | 0.4198  |
|                                      |                      | 25   | 12     | 22.08      | 0.1614       | 26.08    | 0.4055  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.02      | 0.1592       | 26.02    | 0.3999  |
|                                      |                      | 1    | 50     | 22.23      | 0.1671       | 26.23    | 0.4198  |
|                                      |                      | 25   | 12     | 22.07      | 0.1611       | 26.07    | 0.4046  |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.58      | 0.1439       | 25.58    | 0.3614  |
|                                      |                      | 1    | 50     | 21.79      | 0.151        | 25.79    | 0.3793  |
|                                      |                      | 25   | 12     | 21.61      | 0.1449       | 25.61    | 0.3639  |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.10      | 0.1023       | 24.10    | 0.257   |
|                                      |                      | 1    | 50     | 20.28      | 0.1067       | 24.28    | 0.2679  |
|                                      |                      | 25   | 12     | 20.25      | 0.1059       | 24.25    | 0.2661  |
|                                      | 256QAM DFT-s-OFDM    | 1    | 1      | 18.10      | 0.0646       | 22.10    | 0.1622  |
|                                      |                      | 1    | 50     | 18.32      | 0.0679       | 22.32    | 0.1706  |
|                                      |                      | 25   | 12     | 18.22      | 0.0664       | 22.22    | 0.1667  |
|                                      | QPSK CP-s-OFDM       | 1    | 1      | 21.24      | 0.133        | 25.24    | 0.3342  |
|                                      |                      | 1    | 50     | 21.46      | 0.14         | 25.46    | 0.3516  |
|                                      |                      | 26   | 13     | 21.15      | 0.1303       | 25.15    | 0.3273  |
| Highest                              | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.15      | 0.1641       | 26.15    | 0.4121  |
|                                      |                      | 1    | 50     | 22.37      | 0.1726       | 26.37    | 0.4335  |
|                                      |                      | 25   | 12     | 22.37      | 0.1726       | 26.37    | 0.4335  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.33      | 0.171        | 26.33    | 0.4295  |
|                                      |                      | 1    | 50     | 22.37      | 0.1726       | 26.37    | 0.4335  |
|                                      |                      | 25   | 12     | 22.38      | 0.173        | 26.38    | 0.4345  |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.89      | 0.1545       | 25.89    | 0.3882  |
|                                      |                      | 1    | 50     | 21.90      | 0.1549       | 25.90    | 0.389   |
|                                      |                      | 25   | 12     | 21.75      | 0.1496       | 25.75    | 0.3758  |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.21      | 0.105        | 24.21    | 0.2636  |
|                                      |                      | 1    | 50     | 20.24      | 0.1057       | 24.24    | 0.2655  |
|                                      |                      | 25   | 12     | 20.35      | 0.1084       | 24.35    | 0.2723  |
|                                      | 256QAM DFT-s-OFDM    | 1    | 1      | 18.51      | 0.071        | 22.51    | 0.1782  |
|                                      |                      | 1    | 50     | 18.36      | 0.0685       | 22.36    | 0.1722  |
|                                      |                      | 25   | 12     | 18.25      | 0.0668       | 22.25    | 0.1679  |

| SA n2 (ANT M) 5MHz (GT - LC = 4 dB) |                      |                      |        |            |              |          |         |        |
|-------------------------------------|----------------------|----------------------|--------|------------|--------------|----------|---------|--------|
| Channel                             | Mode                 | NR                   |        | Conducted  |              | EIRP     |         |        |
|                                     |                      | RB                   |        |            |              |          |         |        |
|                                     |                      | Size                 | Offset | Power(dBm) | Power(Watts) | IRP(dBm) | EIRP(W) |        |
| Lowest                              | PI/2 BPSK DFT-s-OFDM | 1                    | 1      | 22.41      | 0.1742       | 26.41    | 0.4375  |        |
|                                     |                      | 1                    | 23     | 22.35      | 0.1718       | 26.35    | 0.4315  |        |
|                                     |                      | 12                   | 6      | 22.53      | 0.1791       | 26.53    | 0.4498  |        |
|                                     | QPSK DFT-s-OFDM      | 1                    | 1      | 22.48      | 0.177        | 26.48    | 0.4446  |        |
|                                     |                      | 1                    | 23     | 22.29      | 0.1694       | 26.29    | 0.4256  |        |
|                                     |                      | 12                   | 6      | 22.51      | 0.1782       | 26.51    | 0.4477  |        |
|                                     | 16QAM DFT-s-OFDM     | 1                    | 1      | 21.85      | 0.1531       | 25.85    | 0.3846  |        |
|                                     |                      | 1                    | 23     | 21.76      | 0.15         | 25.76    | 0.3767  |        |
|                                     |                      | 12                   | 6      | 21.89      | 0.1545       | 25.89    | 0.3882  |        |
|                                     | 64QAM DFT-s-OFDM     | 1                    | 1      | 20.22      | 0.1052       | 24.22    | 0.2642  |        |
|                                     |                      | 1                    | 23     | 20.24      | 0.1057       | 24.24    | 0.2655  |        |
|                                     |                      | 12                   | 6      | 20.23      | 0.1054       | 24.23    | 0.2649  |        |
| 256QAM DFT-s-OFDM                   | 1                    | 1                    | 18.32  | 0.0679     | 22.32        | 0.1706   |         |        |
|                                     | 1                    | 23                   | 18.26  | 0.067      | 22.26        | 0.1683   |         |        |
| Middle                              | PI/2 BPSK DFT-s-OFDM | 1                    | 1      | 22.21      | 0.1663       | 26.21    | 0.4178  |        |
|                                     |                      | 1                    | 23     | 22.29      | 0.1694       | 26.29    | 0.4256  |        |
|                                     |                      | 12                   | 6      | 22.27      | 0.1687       | 26.27    | 0.4236  |        |
|                                     | QPSK DFT-s-OFDM      | 1                    | 1      | 22.18      | 0.1652       | 26.18    | 0.415   |        |
|                                     |                      | 1                    | 23     | 22.22      | 0.1667       | 26.22    | 0.4188  |        |
|                                     |                      | 12                   | 6      | 22.24      | 0.1675       | 26.24    | 0.4207  |        |
|                                     | 16QAM DFT-s-OFDM     | 1                    | 1      | 21.87      | 0.1538       | 25.87    | 0.3864  |        |
|                                     |                      | 1                    | 23     | 21.86      | 0.1535       | 25.86    | 0.3855  |        |
|                                     |                      | 12                   | 6      | 21.91      | 0.1552       | 25.91    | 0.3899  |        |
|                                     | 64QAM DFT-s-OFDM     | 1                    | 1      | 20.31      | 0.1074       | 24.31    | 0.2698  |        |
|                                     |                      | 1                    | 23     | 20.36      | 0.1086       | 24.36    | 0.2729  |        |
|                                     |                      | 12                   | 6      | 20.38      | 0.1091       | 24.38    | 0.2742  |        |
|                                     | 256QAM DFT-s-OFDM    | 1                    | 1      | 18.33      | 0.0681       | 22.33    | 0.171   |        |
|                                     |                      | 1                    | 23     | 18.42      | 0.0695       | 22.42    | 0.1746  |        |
|                                     |                      | 12                   | 6      | 18.28      | 0.0673       | 22.28    | 0.169   |        |
|                                     | QPSK CP-s-OFDM       | 1                    | 1      | 21.46      | 0.14         | 25.46    | 0.3516  |        |
|                                     |                      | 1                    | 23     | 21.48      | 0.1406       | 25.48    | 0.3532  |        |
|                                     |                      | 13                   | 6      | 21.28      | 0.1343       | 25.28    | 0.3373  |        |
|                                     | Highest              | PI/2 BPSK DFT-s-OFDM | 1      | 1          | 22.40        | 0.1738   | 26.40   | 0.4365 |
|                                     |                      |                      | 1      | 23         | 22.41        | 0.1742   | 26.41   | 0.4375 |
|                                     |                      |                      | 12     | 6          | 22.54        | 0.1795   | 26.54   | 0.4508 |
| QPSK DFT-s-OFDM                     |                      | 1                    | 1      | 22.43      | 0.175        | 26.43    | 0.4395  |        |
|                                     |                      | 1                    | 23     | 22.45      | 0.1758       | 26.45    | 0.4416  |        |
|                                     |                      | 12                   | 6      | 22.59      | 0.1816       | 26.59    | 0.456   |        |
| 16QAM DFT-s-OFDM                    |                      | 1                    | 1      | 21.94      | 0.1563       | 25.94    | 0.3926  |        |
|                                     |                      | 1                    | 23     | 21.87      | 0.1538       | 25.87    | 0.3864  |        |
|                                     |                      | 12                   | 6      | 22.12      | 0.1629       | 26.12    | 0.4093  |        |
| 64QAM DFT-s-OFDM                    |                      | 1                    | 1      | 20.31      | 0.1074       | 24.31    | 0.2698  |        |
|                                     |                      | 1                    | 23     | 20.37      | 0.1089       | 24.37    | 0.2735  |        |
|                                     |                      | 12                   | 6      | 20.43      | 0.1104       | 24.43    | 0.2773  |        |
| 256QAM DFT-s-OFDM                   | 1                    | 1                    | 18.65  | 0.0733     | 22.65        | 0.1841   |         |        |
|                                     | 1                    | 23                   | 18.58  | 0.0721     | 22.58        | 0.1811   |         |        |
|                                     |                      | 12                   | 6      | 18.52      | 0.0711       | 22.52    | 0.1786  |        |

| SA n5 (ANT M) 20MHz (GT - LC = 3 dB) |                         |      |        |            |              |          |        |
|--------------------------------------|-------------------------|------|--------|------------|--------------|----------|--------|
| Channel                              | Mode                    | NR   |        | Conducted  |              | ERP      |        |
|                                      |                         | RB   |        |            |              |          |        |
|                                      |                         | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | ERP(W) |
| Lowest                               | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.46      | 0.2793       | 25.31    | 0.3396 |
|                                      |                         | 1    | 104    | 24.51      | 0.2825       | 25.36    | 0.3436 |
|                                      |                         | 50   | 25     | 24.36      | 0.2729       | 25.21    | 0.3319 |
|                                      | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.40      | 0.2754       | 25.25    | 0.335  |
|                                      |                         | 1    | 104    | 24.30      | 0.2692       | 25.15    | 0.3273 |
|                                      |                         | 50   | 25     | 24.43      | 0.2773       | 25.28    | 0.3373 |
|                                      | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 22.58      | 0.1811       | 23.43    | 0.2203 |
|                                      |                         | 1    | 104    | 22.71      | 0.1866       | 23.56    | 0.227  |
|                                      |                         | 50   | 25     | 22.70      | 0.1862       | 23.55    | 0.2265 |
|                                      | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.25      | 0.1334       | 22.10    | 0.1622 |
|                                      |                         | 1    | 104    | 21.26      | 0.1337       | 22.11    | 0.1626 |
|                                      |                         | 50   | 25     | 21.21      | 0.1321       | 22.06    | 0.1607 |
|                                      | 256QAM<br>DFT-s-        | 1    | 1      | 18.93      | 0.0782       | 19.78    | 0.0951 |
|                                      |                         | 1    | 104    | 19.04      | 0.0802       | 19.89    | 0.0975 |
|                                      |                         | 50   | 25     | 19.09      | 0.0811       | 19.94    | 0.0986 |
| Middle                               | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.47      | 0.2799       | 25.32    | 0.3404 |
|                                      |                         | 1    | 104    | 24.50      | 0.2818       | 25.35    | 0.3428 |
|                                      |                         | 50   | 25     | 24.42      | 0.2767       | 25.27    | 0.3365 |
|                                      | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.33      | 0.271        | 25.18    | 0.3296 |
|                                      |                         | 1    | 104    | 24.38      | 0.2742       | 25.23    | 0.3334 |
|                                      |                         | 50   | 25     | 24.42      | 0.2767       | 25.27    | 0.3365 |
|                                      | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.12      | 0.2051       | 23.97    | 0.2495 |
|                                      |                         | 1    | 104    | 23.05      | 0.2018       | 23.90    | 0.2455 |
|                                      |                         | 50   | 25     | 23.14      | 0.2061       | 23.99    | 0.2506 |
|                                      | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.55      | 0.1429       | 22.40    | 0.1738 |
|                                      |                         | 1    | 104    | 21.68      | 0.1472       | 22.53    | 0.1791 |
|                                      |                         | 50   | 25     | 21.63      | 0.1455       | 22.48    | 0.177  |
|                                      | 256QAM<br>DFT-s-        | 1    | 1      | 19.54      | 0.0899       | 20.39    | 0.1094 |
|                                      |                         | 1    | 104    | 19.61      | 0.0914       | 20.46    | 0.1112 |
|                                      |                         | 50   | 25     | 19.53      | 0.0897       | 20.38    | 0.1091 |
| QPSK<br>CP-s-<br>OFDM                | 1                       | 1    | 22.51  | 0.1782     | 23.36        | 0.2168   |        |
|                                      | 1                       | 104  | 22.49  | 0.1774     | 23.34        | 0.2158   |        |
|                                      | 53                      | 26   | 22.55  | 0.1799     | 23.40        | 0.2188   |        |
| Highest                              | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.44      | 0.278        | 25.29    | 0.3381 |
|                                      |                         | 1    | 104    | 24.47      | 0.2799       | 25.32    | 0.3404 |
|                                      |                         | 50   | 25     | 24.39      | 0.2748       | 25.24    | 0.3342 |
|                                      | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.26      | 0.2667       | 25.11    | 0.3243 |
|                                      |                         | 1    | 104    | 24.35      | 0.2723       | 25.20    | 0.3311 |
|                                      |                         | 50   | 25     | 24.49      | 0.2812       | 25.34    | 0.342  |
|                                      | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 22.63      | 0.1832       | 23.48    | 0.2228 |
|                                      |                         | 1    | 104    | 22.09      | 0.1618       | 22.94    | 0.1968 |
|                                      |                         | 50   | 25     | 22.73      | 0.1875       | 23.58    | 0.228  |
|                                      | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.04      | 0.1271       | 21.89    | 0.1545 |
|                                      |                         | 1    | 104    | 20.90      | 0.123        | 21.75    | 0.1496 |
|                                      |                         | 50   | 25     | 21.24      | 0.133        | 22.09    | 0.1618 |
|                                      | 256QAM<br>DFT-s-        | 1    | 1      | 19.17      | 0.0826       | 20.02    | 0.1005 |
|                                      |                         | 1    | 104    | 19.44      | 0.0879       | 20.29    | 0.1069 |
|                                      |                         | 50   | 25     | 19.16      | 0.0824       | 20.01    | 0.1002 |

| SA n5 (ANT M) 15MHz (GT - LC = 4 dB) |                         |      |        |            |              |          |         |
|--------------------------------------|-------------------------|------|--------|------------|--------------|----------|---------|
| Channel                              | Mode                    | NR   |        | Conducted  |              | ERP      |         |
|                                      |                         | RB   |        |            |              |          |         |
|                                      |                         | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | E RP(W) |
| Lowest                               | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.56      | 0.2858       | 25.41    | 0.3475  |
|                                      |                         | 1    | 77     | 24.49      | 0.2812       | 25.34    | 0.342   |
|                                      |                         | 36   | 18     | 24.38      | 0.2742       | 25.23    | 0.3334  |
|                                      | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.37      | 0.2735       | 25.22    | 0.3327  |
|                                      |                         | 1    | 77     | 24.39      | 0.2748       | 25.24    | 0.3342  |
|                                      |                         | 36   | 18     | 24.43      | 0.2773       | 25.28    | 0.3373  |
|                                      | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.20      | 0.2089       | 24.05    | 0.2541  |
|                                      |                         | 1    | 77     | 23.31      | 0.2143       | 24.16    | 0.2606  |
|                                      |                         | 36   | 18     | 23.05      | 0.2018       | 23.90    | 0.2455  |
|                                      | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.41      | 0.1384       | 22.26    | 0.1683  |
|                                      |                         | 1    | 77     | 21.43      | 0.139        | 22.28    | 0.169   |
|                                      |                         | 36   | 18     | 21.49      | 0.1409       | 22.34    | 0.1714  |
|                                      | 256QAM<br>DFT-s-        | 1    | 1      | 19.63      | 0.0918       | 20.48    | 0.1117  |
|                                      |                         | 1    | 77     | 19.68      | 0.0929       | 20.53    | 0.113   |
|                                      |                         | 36   | 18     | 19.51      | 0.0893       | 20.36    | 0.1086  |
| Middle                               | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.55      | 0.2851       | 25.40    | 0.3467  |
|                                      |                         | 1    | 77     | 24.51      | 0.2825       | 25.36    | 0.3436  |
|                                      |                         | 36   | 18     | 24.46      | 0.2793       | 25.31    | 0.3396  |
|                                      | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.29      | 0.2685       | 25.14    | 0.3266  |
|                                      |                         | 1    | 77     | 24.39      | 0.2748       | 25.24    | 0.3342  |
|                                      |                         | 36   | 18     | 24.49      | 0.2812       | 25.34    | 0.342   |
|                                      | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.23      | 0.2104       | 24.08    | 0.2559  |
|                                      |                         | 1    | 77     | 23.36      | 0.2168       | 24.21    | 0.2636  |
|                                      |                         | 36   | 18     | 23.13      | 0.2056       | 23.98    | 0.25    |
|                                      | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.47      | 0.1403       | 22.32    | 0.1706  |
|                                      |                         | 1    | 77     | 21.48      | 0.1406       | 22.33    | 0.171   |
|                                      |                         | 36   | 18     | 21.52      | 0.1419       | 22.37    | 0.1726  |
|                                      | 256QAM<br>DFT-s-        | 1    | 1      | 19.58      | 0.0908       | 20.43    | 0.1104  |
|                                      |                         | 1    | 77     | 19.64      | 0.092        | 20.49    | 0.1119  |
|                                      |                         | 36   | 18     | 19.61      | 0.0914       | 20.46    | 0.1112  |
| QPSK<br>CP-s-<br>OFDM                | 1                       | 1    | 22.48  | 0.177      | 23.33        | 0.2153   |         |
|                                      | 1                       | 77   | 22.36  | 0.1722     | 23.21        | 0.2094   |         |
|                                      | 39                      | 19   | 22.52  | 0.1786     | 23.37        | 0.2173   |         |
| Highest                              | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.46      | 0.2793       | 25.31    | 0.3396  |
|                                      |                         | 1    | 77     | 24.52      | 0.2831       | 25.37    | 0.3443  |
|                                      |                         | 36   | 18     | 24.39      | 0.2748       | 25.24    | 0.3342  |
|                                      | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.28      | 0.2679       | 25.13    | 0.3258  |
|                                      |                         | 1    | 77     | 24.42      | 0.2767       | 25.27    | 0.3365  |
|                                      |                         | 36   | 18     | 24.41      | 0.2761       | 25.26    | 0.3357  |
|                                      | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.35      | 0.2163       | 24.20    | 0.263   |
|                                      |                         | 1    | 77     | 22.88      | 0.1941       | 23.73    | 0.236   |
|                                      |                         | 36   | 18     | 23.05      | 0.2018       | 23.90    | 0.2455  |
|                                      | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.42      | 0.1387       | 22.27    | 0.1687  |
|                                      |                         | 1    | 77     | 21.38      | 0.1374       | 22.23    | 0.1671  |
|                                      |                         | 36   | 18     | 21.43      | 0.139        | 22.28    | 0.169   |
|                                      | 256QAM<br>DFT-s-        | 1    | 1      | 19.56      | 0.0904       | 20.41    | 0.1099  |
|                                      |                         | 1    | 77     | 19.63      | 0.0918       | 20.48    | 0.1117  |
|                                      |                         | 36   | 18     | 19.48      | 0.0887       | 20.33    | 0.1079  |

| SA n5 (ANT) 10MHz (GT - LC = 4 dB) |                         |      |        |            |              |          |        |
|------------------------------------|-------------------------|------|--------|------------|--------------|----------|--------|
| Channel                            | Mode                    | NR   |        | Conducted  |              | ERP      |        |
|                                    |                         | RB   |        |            |              |          |        |
|                                    |                         | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | ERP(W) |
| Lowest                             | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.18      | 0.2618       | 25.03    | 0.3184 |
|                                    |                         | 1    | 50     | 24.38      | 0.2742       | 25.23    | 0.3334 |
|                                    |                         | 25   | 12     | 24.21      | 0.2636       | 25.06    | 0.3206 |
|                                    | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.11      | 0.2576       | 24.96    | 0.3133 |
|                                    |                         | 1    | 50     | 24.28      | 0.2679       | 25.13    | 0.3258 |
|                                    |                         | 25   | 12     | 24.23      | 0.2649       | 25.08    | 0.3221 |
|                                    | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.02      | 0.2004       | 23.87    | 0.2438 |
|                                    |                         | 1    | 50     | 22.93      | 0.1963       | 23.78    | 0.2388 |
|                                    |                         | 25   | 12     | 23.01      | 0.2          | 23.86    | 0.2432 |
|                                    | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.28      | 0.1343       | 22.13    | 0.1633 |
|                                    |                         | 1    | 50     | 21.81      | 0.1517       | 22.66    | 0.1845 |
|                                    |                         | 25   | 12     | 21.66      | 0.1466       | 22.51    | 0.1782 |
|                                    | 256QAM<br>DFT-s-        | 1    | 1      | 19.48      | 0.0887       | 20.33    | 0.1079 |
|                                    |                         | 1    | 50     | 19.45      | 0.0881       | 20.30    | 0.1072 |
|                                    |                         | 25   | 12     | 19.46      | 0.0883       | 20.31    | 0.1074 |
| Middle                             | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.46      | 0.2793       | 25.31    | 0.3396 |
|                                    |                         | 1    | 50     | 24.49      | 0.2812       | 25.34    | 0.342  |
|                                    |                         | 25   | 12     | 24.45      | 0.2786       | 25.30    | 0.3388 |
|                                    | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.26      | 0.2667       | 25.11    | 0.3243 |
|                                    |                         | 1    | 50     | 24.42      | 0.2767       | 25.27    | 0.3365 |
|                                    |                         | 25   | 12     | 24.34      | 0.2716       | 25.19    | 0.3304 |
|                                    | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.11      | 0.2046       | 23.96    | 0.2489 |
|                                    |                         | 1    | 50     | 23.13      | 0.2056       | 23.98    | 0.25   |
|                                    |                         | 25   | 12     | 23.03      | 0.2009       | 23.88    | 0.2443 |
|                                    | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.35      | 0.1365       | 22.20    | 0.166  |
|                                    |                         | 1    | 50     | 21.37      | 0.1371       | 22.22    | 0.1667 |
|                                    |                         | 25   | 12     | 21.55      | 0.1429       | 22.40    | 0.1738 |
|                                    | 256QAM<br>DFT-s-        | 1    | 1      | 19.59      | 0.091        | 20.44    | 0.1107 |
|                                    |                         | 1    | 50     | 19.45      | 0.0881       | 20.30    | 0.1072 |
|                                    |                         | 25   | 12     | 19.52      | 0.0895       | 20.37    | 0.1089 |
| QPSK<br>CP-s-<br>OFDM              | 1                       | 1    | 22.55  | 0.1799     | 23.40        | 0.2188   |        |
|                                    | 1                       | 50   | 22.53  | 0.1791     | 23.38        | 0.2178   |        |
|                                    | 26                      | 13   | 22.48  | 0.177      | 23.33        | 0.2153   |        |
| Highest                            | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.17      | 0.2612       | 25.02    | 0.3177 |
|                                    |                         | 1    | 50     | 24.28      | 0.2679       | 25.13    | 0.3258 |
|                                    |                         | 25   | 12     | 24.35      | 0.2723       | 25.20    | 0.3311 |
|                                    | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.05      | 0.2541       | 24.90    | 0.309  |
|                                    |                         | 1    | 50     | 24.00      | 0.2512       | 24.85    | 0.3055 |
|                                    |                         | 25   | 12     | 24.32      | 0.2704       | 25.17    | 0.3289 |
|                                    | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.01      | 0.2          | 23.86    | 0.2432 |
|                                    |                         | 1    | 50     | 23.08      | 0.2032       | 23.93    | 0.2472 |
|                                    |                         | 25   | 12     | 23.05      | 0.2018       | 23.90    | 0.2455 |
|                                    | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.62      | 0.1452       | 22.47    | 0.1766 |
|                                    |                         | 1    | 50     | 21.78      | 0.1507       | 22.63    | 0.1832 |
|                                    |                         | 25   | 12     | 21.47      | 0.1403       | 22.32    | 0.1706 |
|                                    | 256QAM<br>DFT-s-        | 1    | 1      | 19.62      | 0.0916       | 20.47    | 0.1114 |
|                                    |                         | 1    | 50     | 19.54      | 0.0899       | 20.39    | 0.1094 |
|                                    |                         | 25   | 12     | 19.47      | 0.0885       | 20.32    | 0.1076 |

| SA n5 (ANT) 5MHz (GT - LC = 4 dB) |                         |      |        |            |              |          |        |
|-----------------------------------|-------------------------|------|--------|------------|--------------|----------|--------|
| Channel                           | Mode                    | NR   |        | Conducted  |              | ERP      |        |
|                                   |                         | RB   |        |            |              |          |        |
|                                   |                         | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | ERP(W) |
| Lowest                            | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.34      | 0.2716       | 25.19    | 0.3304 |
|                                   |                         | 1    | 23     | 24.41      | 0.2761       | 25.26    | 0.3357 |
|                                   |                         | 12   | 6      | 24.42      | 0.2767       | 25.27    | 0.3365 |
|                                   | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.31      | 0.2698       | 25.16    | 0.3281 |
|                                   |                         | 1    | 23     | 24.32      | 0.2704       | 25.17    | 0.3289 |
|                                   |                         | 12   | 6      | 24.43      | 0.2773       | 25.28    | 0.3373 |
|                                   | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.01      | 0.2          | 23.86    | 0.2432 |
|                                   |                         | 1    | 23     | 23.07      | 0.2028       | 23.92    | 0.2466 |
|                                   |                         | 12   | 6      | 23.01      | 0.2          | 23.86    | 0.2432 |
|                                   | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.52      | 0.1419       | 22.37    | 0.1726 |
|                                   |                         | 1    | 23     | 21.48      | 0.1406       | 22.33    | 0.171  |
|                                   |                         | 12   | 6      | 21.49      | 0.1409       | 22.34    | 0.1714 |
|                                   | 256QAM<br>DFT-s-        | 1    | 1      | 19.46      | 0.0883       | 20.31    | 0.1074 |
|                                   |                         | 1    | 23     | 19.50      | 0.0891       | 20.35    | 0.1084 |
|                                   |                         | 12   | 6      | 19.37      | 0.0865       | 20.22    | 0.1052 |
| Middle                            | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.59      | 0.2877       | 25.44    | 0.3499 |
|                                   |                         | 1    | 23     | 24.53      | 0.2838       | 25.38    | 0.3451 |
|                                   |                         | 12   | 6      | 24.46      | 0.2793       | 25.31    | 0.3396 |
|                                   | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.34      | 0.2716       | 25.19    | 0.3304 |
|                                   |                         | 1    | 23     | 24.31      | 0.2698       | 25.16    | 0.3281 |
|                                   |                         | 12   | 6      | 24.47      | 0.2799       | 25.32    | 0.3404 |
|                                   | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.21      | 0.2094       | 24.06    | 0.2547 |
|                                   |                         | 1    | 23     | 23.16      | 0.207        | 24.01    | 0.2518 |
|                                   |                         | 12   | 6      | 23.18      | 0.208        | 24.03    | 0.2529 |
|                                   | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.94      | 0.1563       | 22.79    | 0.1901 |
|                                   |                         | 1    | 23     | 21.85      | 0.1531       | 22.70    | 0.1862 |
|                                   |                         | 12   | 6      | 21.61      | 0.1449       | 22.46    | 0.1762 |
|                                   | 256QAM<br>DFT-s-        | 1    | 1      | 19.61      | 0.0914       | 20.46    | 0.1112 |
|                                   |                         | 1    | 23     | 19.52      | 0.0895       | 20.37    | 0.1089 |
|                                   |                         | 12   | 6      | 19.74      | 0.0942       | 20.59    | 0.1146 |
| QPSK<br>CP-s-<br>OFDM             | 1                       | 1    | 22.79  | 0.1901     | 23.64        | 0.2312   |        |
|                                   | 1                       | 23   | 22.69  | 0.1858     | 23.54        | 0.2259   |        |
|                                   | 13                      | 6    | 22.65  | 0.1841     | 23.50        | 0.2239   |        |
| Highest                           | PI/2<br>BPSK<br>DFT-s-  | 1    | 1      | 24.28      | 0.2679       | 25.13    | 0.3258 |
|                                   |                         | 1    | 23     | 24.32      | 0.2704       | 25.17    | 0.3289 |
|                                   |                         | 12   | 6      | 24.41      | 0.2761       | 25.26    | 0.3357 |
|                                   | QPSK<br>DFT-s-<br>OFDM  | 1    | 1      | 24.31      | 0.2698       | 25.16    | 0.3281 |
|                                   |                         | 1    | 23     | 24.21      | 0.2636       | 25.06    | 0.3206 |
|                                   |                         | 12   | 6      | 24.43      | 0.2773       | 25.28    | 0.3373 |
|                                   | 16QAM<br>DFT-s-<br>OFDM | 1    | 1      | 23.23      | 0.2104       | 24.08    | 0.2559 |
|                                   |                         | 1    | 23     | 23.32      | 0.2148       | 24.17    | 0.2612 |
|                                   |                         | 12   | 6      | 23.19      | 0.2084       | 24.04    | 0.2535 |
|                                   | 64QAM<br>DFT-s-<br>OFDM | 1    | 1      | 21.78      | 0.1507       | 22.63    | 0.1832 |
|                                   |                         | 1    | 23     | 21.81      | 0.1517       | 22.66    | 0.1845 |
|                                   |                         | 12   | 6      | 21.58      | 0.1439       | 22.43    | 0.175  |
|                                   | 256QAM<br>DFT-s-        | 1    | 1      | 19.75      | 0.0944       | 20.60    | 0.1148 |
|                                   |                         | 1    | 23     | 19.58      | 0.0908       | 20.43    | 0.1104 |
|                                   |                         | 12   | 6      | 19.65      | 0.0923       | 20.50    | 0.1122 |

| SA n25 (ANT M) 20MHz (GT - LC = 4 dB) |                      |                      |        |            |              |          |         |
|---------------------------------------|----------------------|----------------------|--------|------------|--------------|----------|---------|
| Channel                               | Mode                 | NR                   |        | Conducted  |              | EIRP     |         |
|                                       |                      | RB                   |        |            |              |          |         |
|                                       |                      | Size                 | Offset | Power(dBm) | Power(Watts) | IRP(dBm) | EIRP(W) |
| Lowest                                | PI/2 BPSK DFT-s-OFDM | 1                    | 1      | 22.37      | 0.1726       | 26.37    | 0.4335  |
|                                       |                      | 1                    | 104    | 22.31      | 0.1702       | 26.31    | 0.4276  |
|                                       |                      | 50                   | 25     | 22.52      | 0.1786       | 26.52    | 0.4487  |
|                                       | QPSK DFT-s-OFDM      | 1                    | 1      | 22.43      | 0.175        | 26.43    | 0.4395  |
|                                       |                      | 1                    | 104    | 22.18      | 0.1652       | 26.18    | 0.415   |
|                                       |                      | 50                   | 25     | 22.54      | 0.1795       | 26.54    | 0.4508  |
|                                       | 16QAM DFT-s-OFDM     | 1                    | 1      | 21.76      | 0.15         | 25.76    | 0.3767  |
|                                       |                      | 1                    | 104    | 21.91      | 0.1552       | 25.91    | 0.3899  |
|                                       |                      | 50                   | 25     | 21.74      | 0.1493       | 25.74    | 0.375   |
|                                       | 64QAM DFT-s-OFDM     | 1                    | 1      | 20.41      | 0.1099       | 24.41    | 0.2761  |
|                                       |                      | 1                    | 104    | 20.58      | 0.1143       | 24.58    | 0.2871  |
|                                       |                      | 50                   | 25     | 20.77      | 0.1194       | 24.77    | 0.2999  |
|                                       | 256QAM DFT-s-OFDM    | 1                    | 1      | 18.28      | 0.0673       | 22.28    | 0.169   |
|                                       |                      | 1                    | 104    | 18.44      | 0.0698       | 22.44    | 0.1754  |
|                                       |                      | 50                   | 25     | 18.31      | 0.0678       | 22.31    | 0.1702  |
|                                       | Middle               | PI/2 BPSK DFT-s-OFDM | 1      | 1          | 22.21        | 0.1663   | 26.21   |
| 1                                     |                      |                      | 104    | 22.48      | 0.177        | 26.48    | 0.4446  |
| 50                                    |                      |                      | 25     | 22.49      | 0.1774       | 26.49    | 0.4457  |
| QPSK DFT-s-OFDM                       |                      | 1                    | 1      | 22.13      | 0.1633       | 26.13    | 0.4102  |
|                                       |                      | 1                    | 104    | 22.51      | 0.1782       | 26.51    | 0.4477  |
|                                       |                      | 50                   | 25     | 22.52      | 0.1786       | 26.52    | 0.4487  |
| 16QAM DFT-s-OFDM                      |                      | 1                    | 1      | 21.82      | 0.1521       | 25.82    | 0.3819  |
|                                       |                      | 1                    | 104    | 21.69      | 0.1476       | 25.69    | 0.3707  |
|                                       |                      | 50                   | 25     | 21.92      | 0.1556       | 25.92    | 0.3908  |
| 64QAM DFT-s-OFDM                      |                      | 1                    | 1      | 20.43      | 0.1104       | 24.43    | 0.2773  |
|                                       |                      | 1                    | 104    | 20.55      | 0.1135       | 24.55    | 0.2851  |
|                                       |                      | 50                   | 25     | 20.60      | 0.1148       | 24.60    | 0.2884  |
| 256QAM DFT-s-OFDM                     |                      | 1                    | 1      | 18.51      | 0.071        | 22.51    | 0.1782  |
|                                       |                      | 1                    | 104    | 18.36      | 0.0685       | 22.36    | 0.1722  |
|                                       |                      | 50                   | 25     | 18.28      | 0.0673       | 22.28    | 0.169   |
| QPSK CP-s-OFDM                        |                      | 1                    | 1      | 21.25      | 0.1334       | 25.25    | 0.335   |
|                                       | 1                    | 104                  | 21.23  | 0.1327     | 25.23        | 0.3334   |         |
|                                       | 53                   | 26                   | 21.19  | 0.1315     | 25.19        | 0.3304   |         |
| Highest                               | PI/2 BPSK DFT-s-OFDM | 1                    | 1      | 22.62      | 0.1828       | 26.62    | 0.4592  |
|                                       |                      | 1                    | 104    | 22.74      | 0.1879       | 26.74    | 0.4721  |
|                                       |                      | 50                   | 25     | 22.76      | 0.1888       | 26.76    | 0.4742  |
|                                       | QPSK DFT-s-OFDM      | 1                    | 1      | 22.44      | 0.1754       | 26.44    | 0.4406  |
|                                       |                      | 1                    | 104    | 22.66      | 0.1845       | 26.66    | 0.4634  |
|                                       |                      | 50                   | 25     | 22.77      | 0.1892       | 26.77    | 0.4753  |
|                                       | 16QAM DFT-s-OFDM     | 1                    | 1      | 21.66      | 0.1466       | 25.66    | 0.3681  |
|                                       |                      | 1                    | 104    | 21.65      | 0.1462       | 25.65    | 0.3673  |
|                                       |                      | 50                   | 25     | 21.79      | 0.151        | 25.79    | 0.3793  |
|                                       | 64QAM DFT-s-OFDM     | 1                    | 1      | 20.46      | 0.1112       | 24.46    | 0.2793  |
|                                       |                      | 1                    | 104    | 20.43      | 0.1104       | 24.43    | 0.2773  |
|                                       |                      | 50                   | 25     | 20.41      | 0.1099       | 24.41    | 0.2761  |
|                                       | 256QAM DFT-s-OFDM    | 1                    | 1      | 18.28      | 0.0673       | 22.28    | 0.169   |
|                                       |                      | 1                    | 104    | 18.35      | 0.0684       | 22.35    | 0.1718  |
|                                       |                      | 50                   | 25     | 18.45      | 0.07         | 22.45    | 0.1758  |

| SA n25 (ANT M) 15MHz (GT - LC = 4 dB) |                            |                            |        |            |              |          |         |        |
|---------------------------------------|----------------------------|----------------------------|--------|------------|--------------|----------|---------|--------|
| Channel                               | Mode                       | NR                         |        | Conducted  |              | EIRP     |         |        |
|                                       |                            | RB                         |        |            |              |          |         |        |
|                                       |                            | Size                       | Offset | Power(dBm) | Power(Watts) | IRP(dBm) | EIRP(W) |        |
| Lowest                                | PI/2<br>BPSK<br>DFT-s-OFDM | 1                          | 1      | 22.57      | 0.1807       | 26.57    | 0.4539  |        |
|                                       |                            | 1                          | 50     | 22.46      | 0.1762       | 26.46    | 0.4426  |        |
|                                       |                            | 25                         | 12     | 22.54      | 0.1795       | 26.54    | 0.4508  |        |
|                                       | QPSK<br>DFT-s-OFDM         | 1                          | 1      | 22.41      | 0.1742       | 26.41    | 0.4375  |        |
|                                       |                            | 1                          | 50     | 22.31      | 0.1702       | 26.31    | 0.4276  |        |
|                                       |                            | 25                         | 12     | 22.16      | 0.1644       | 26.16    | 0.413   |        |
|                                       | 16QAM<br>DFT-s-OFDM        | 1                          | 1      | 21.79      | 0.151        | 25.79    | 0.3793  |        |
|                                       |                            | 1                          | 50     | 21.80      | 0.1514       | 25.80    | 0.3802  |        |
|                                       |                            | 25                         | 12     | 21.93      | 0.156        | 25.93    | 0.3917  |        |
|                                       | 64QAM<br>DFT-s-OFDM        | 1                          | 1      | 20.76      | 0.1191       | 24.76    | 0.2992  |        |
|                                       |                            | 1                          | 50     | 20.64      | 0.1159       | 24.64    | 0.2911  |        |
|                                       |                            | 25                         | 12     | 20.43      | 0.1104       | 24.43    | 0.2773  |        |
| Middle                                | 256QAM<br>DFT-s-OFDM       | 1                          | 1      | 18.25      | 0.0668       | 22.25    | 0.1679  |        |
|                                       |                            | 1                          | 50     | 18.51      | 0.071        | 22.51    | 0.1782  |        |
|                                       |                            | 25                         | 12     | 18.46      | 0.0701       | 22.46    | 0.1762  |        |
|                                       | PI/2<br>BPSK<br>DFT-s-OFDM | 1                          | 1      | 22.28      | 0.169        | 26.28    | 0.4246  |        |
|                                       |                            | 1                          | 50     | 22.10      | 0.1622       | 26.10    | 0.4074  |        |
|                                       |                            | 25                         | 12     | 22.41      | 0.1742       | 26.41    | 0.4375  |        |
|                                       | QPSK<br>DFT-s-OFDM         | 1                          | 1      | 22.21      | 0.1663       | 26.21    | 0.4178  |        |
|                                       |                            | 1                          | 50     | 22.42      | 0.1746       | 26.42    | 0.4385  |        |
|                                       |                            | 25                         | 12     | 22.36      | 0.1722       | 26.36    | 0.4325  |        |
|                                       | 16QAM<br>DFT-s-OFDM        | 1                          | 1      | 21.87      | 0.1538       | 25.87    | 0.3864  |        |
|                                       |                            | 1                          | 50     | 21.72      | 0.1486       | 25.72    | 0.3733  |        |
|                                       |                            | 25                         | 12     | 21.72      | 0.1486       | 25.72    | 0.3733  |        |
| Highest                               | 64QAM<br>DFT-s-OFDM        | 1                          | 1      | 20.44      | 0.1107       | 24.44    | 0.278   |        |
|                                       |                            | 1                          | 50     | 20.67      | 0.1167       | 24.67    | 0.2931  |        |
|                                       |                            | 25                         | 12     | 20.79      | 0.1199       | 24.79    | 0.3013  |        |
|                                       | 256QAM<br>DFT-s-OFDM       | 1                          | 1      | 18.24      | 0.0667       | 22.24    | 0.1675  |        |
|                                       |                            | 1                          | 50     | 18.41      | 0.0693       | 22.41    | 0.1742  |        |
|                                       |                            | 25                         | 12     | 18.25      | 0.0668       | 22.25    | 0.1679  |        |
|                                       | QPSK<br>CP-s-OFDM          | 1                          | 1      | 21.18      | 0.1312       | 25.18    | 0.3296  |        |
|                                       |                            | 1                          | 50     | 21.29      | 0.1346       | 25.29    | 0.3381  |        |
|                                       |                            | 26                         | 13     | 21.15      | 0.1303       | 25.15    | 0.3273  |        |
|                                       | Highest                    | PI/2<br>BPSK<br>DFT-s-OFDM | 1      | 1          | 22.70        | 0.1862   | 26.70   | 0.4677 |
|                                       |                            |                            | 1      | 50         | 22.71        | 0.1866   | 26.71   | 0.4688 |
|                                       |                            |                            | 25     | 12         | 22.74        | 0.1879   | 26.74   | 0.4721 |
| QPSK<br>DFT-s-OFDM                    |                            | 1                          | 1      | 22.53      | 0.1791       | 26.53    | 0.4498  |        |
|                                       |                            | 1                          | 50     | 22.66      | 0.1845       | 26.66    | 0.4634  |        |
|                                       |                            | 25                         | 12     | 22.78      | 0.1897       | 26.78    | 0.4764  |        |
| 16QAM<br>DFT-s-OFDM                   |                            | 1                          | 1      | 21.73      | 0.1489       | 25.73    | 0.3741  |        |
|                                       |                            | 1                          | 50     | 21.98      | 0.1578       | 25.98    | 0.3963  |        |
|                                       |                            | 25                         | 12     | 21.84      | 0.1528       | 25.84    | 0.3837  |        |
| 64QAM<br>DFT-s-OFDM                   |                            | 1                          | 1      | 20.42      | 0.1102       | 24.42    | 0.2767  |        |
|                                       |                            | 1                          | 50     | 20.53      | 0.113        | 24.53    | 0.2838  |        |
|                                       |                            | 25                         | 12     | 20.46      | 0.1112       | 24.46    | 0.2793  |        |
| 256QAM<br>DFT-s-OFDM                  | 1                          | 1                          | 18.36  | 0.0685     | 22.36        | 0.1722   |         |        |
|                                       | 1                          | 50                         | 18.48  | 0.0705     | 22.48        | 0.177    |         |        |
|                                       |                            | 25                         | 12     | 18.45      | 0.07         | 22.45    | 0.1758  |        |

| SA n25 (ANT M) 10MHz (GT - LC = 4 dB) |                      |      |        |            |              |          |         |
|---------------------------------------|----------------------|------|--------|------------|--------------|----------|---------|
| Channel                               | Mode                 | NR   |        | Conducted  |              | EIRP     |         |
|                                       |                      | RB   |        |            |              |          |         |
|                                       |                      | Size | Offset | Power(dBm) | Power(Watts) | IRP(dBm) | EIRP(W) |
| Lowest                                | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.48      | 0.177        | 26.48    | 0.4446  |
|                                       |                      | 1    | 50     | 22.47      | 0.1766       | 26.47    | 0.4436  |
|                                       |                      | 25   | 12     | 22.49      | 0.1774       | 26.49    | 0.4457  |
|                                       | QPSK DFT-s-OFDM      | 1    | 1      | 22.37      | 0.1726       | 26.37    | 0.4335  |
|                                       |                      | 1    | 50     | 22.36      | 0.1722       | 26.36    | 0.4325  |
|                                       |                      | 25   | 12     | 22.51      | 0.1782       | 26.51    | 0.4477  |
|                                       | 16QAM DFT-s-OFDM     | 1    | 1      | 21.71      | 0.1483       | 25.71    | 0.3724  |
|                                       |                      | 1    | 50     | 21.97      | 0.1574       | 25.97    | 0.3954  |
|                                       |                      | 25   | 12     | 21.75      | 0.1496       | 25.75    | 0.3758  |
|                                       | 64QAM DFT-s-OFDM     | 1    | 1      | 20.67      | 0.1167       | 24.67    | 0.2931  |
|                                       |                      | 1    | 50     | 20.62      | 0.1153       | 24.62    | 0.2897  |
|                                       |                      | 25   | 12     | 20.69      | 0.1172       | 24.69    | 0.2944  |
| 256QAM DFT-s-OFDM                     | 1                    | 1    | 18.35  | 0.0684     | 22.35        | 0.1718   |         |
|                                       | 1                    | 50   | 18.36  | 0.0685     | 22.36        | 0.1722   |         |
|                                       | 25                   | 12   | 18.29  | 0.0675     | 22.29        | 0.1694   |         |
| Middle                                | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.25      | 0.1679       | 26.25    | 0.4217  |
|                                       |                      | 1    | 50     | 22.54      | 0.1795       | 26.54    | 0.4508  |
|                                       |                      | 25   | 12     | 22.29      | 0.1694       | 26.29    | 0.4256  |
|                                       | QPSK DFT-s-OFDM      | 1    | 1      | 22.17      | 0.1648       | 26.17    | 0.414   |
|                                       |                      | 1    | 50     | 22.39      | 0.1734       | 26.39    | 0.4355  |
|                                       |                      | 25   | 12     | 22.32      | 0.1706       | 26.32    | 0.4285  |
|                                       | 16QAM DFT-s-OFDM     | 1    | 1      | 21.86      | 0.1535       | 25.86    | 0.3855  |
|                                       |                      | 1    | 50     | 21.64      | 0.1459       | 25.64    | 0.3664  |
|                                       |                      | 25   | 12     | 21.87      | 0.1538       | 25.87    | 0.3864  |
|                                       | 64QAM DFT-s-OFDM     | 1    | 1      | 20.73      | 0.1183       | 24.73    | 0.2972  |
|                                       |                      | 1    | 50     | 20.65      | 0.1161       | 24.65    | 0.2917  |
|                                       |                      | 25   | 12     | 20.45      | 0.1109       | 24.45    | 0.2786  |
| 256QAM DFT-s-OFDM                     | 1                    | 1    | 18.21  | 0.0662     | 22.21        | 0.1663   |         |
|                                       | 1                    | 50   | 18.45  | 0.07       | 22.45        | 0.1758   |         |
|                                       | 25                   | 12   | 18.36  | 0.0685     | 22.36        | 0.1722   |         |
| QPSK CP-s-OFDM                        | 1                    | 1    | 21.31  | 0.1352     | 25.31        | 0.3396   |         |
|                                       | 1                    | 50   | 21.16  | 0.1306     | 25.16        | 0.3281   |         |
|                                       | 26                   | 13   | 21.32  | 0.1355     | 25.32        | 0.3404   |         |
| Highest                               | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.61      | 0.1824       | 26.61    | 0.4581  |
|                                       |                      | 1    | 50     | 22.63      | 0.1832       | 26.63    | 0.4603  |
|                                       |                      | 25   | 12     | 22.54      | 0.1795       | 26.54    | 0.4508  |
|                                       | QPSK DFT-s-OFDM      | 1    | 1      | 22.48      | 0.177        | 26.48    | 0.4446  |
|                                       |                      | 1    | 50     | 22.56      | 0.1803       | 26.56    | 0.4529  |
|                                       |                      | 25   | 12     | 22.57      | 0.1807       | 26.57    | 0.4539  |
|                                       | 16QAM DFT-s-OFDM     | 1    | 1      | 21.69      | 0.1476       | 25.69    | 0.3707  |
|                                       |                      | 1    | 50     | 21.92      | 0.1556       | 25.92    | 0.3908  |
|                                       |                      | 25   | 12     | 21.68      | 0.1472       | 25.68    | 0.3698  |
|                                       | 64QAM DFT-s-OFDM     | 1    | 1      | 20.56      | 0.1138       | 24.56    | 0.2858  |
|                                       |                      | 1    | 50     | 20.66      | 0.1164       | 24.66    | 0.2924  |
|                                       |                      | 25   | 12     | 20.41      | 0.1099       | 24.41    | 0.2761  |
| 256QAM DFT-s-OFDM                     | 1                    | 1    | 18.44  | 0.0698     | 22.44        | 0.1754   |         |
|                                       | 1                    | 50   | 18.39  | 0.069      | 22.39        | 0.1734   |         |
|                                       | 25                   | 12   | 18.31  | 0.0678     | 22.31        | 0.1702   |         |

| SA n25 (ANT M) 5MHz (GT - LC = 4 dB) |                      |      |        |            |              |          |         |
|--------------------------------------|----------------------|------|--------|------------|--------------|----------|---------|
| Channel                              | Mode                 | NR   |        | Conducted  |              | EIRP     |         |
|                                      |                      | RB   |        |            |              |          |         |
|                                      |                      | Size | Offset | Power(dBm) | Power(Watts) | ERP(dBm) | EIRP(W) |
| Lowest                               | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.48      | 0.177        | 26.48    | 0.4446  |
|                                      |                      | 1    | 23     | 22.41      | 0.1742       | 26.41    | 0.4375  |
|                                      |                      | 12   | 6      | 22.51      | 0.1782       | 26.51    | 0.4477  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.36      | 0.1722       | 26.36    | 0.4325  |
|                                      |                      | 1    | 23     | 22.32      | 0.1706       | 26.32    | 0.4285  |
|                                      |                      | 12   | 6      | 22.49      | 0.1774       | 26.49    | 0.4457  |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.73      | 0.1489       | 25.73    | 0.3741  |
|                                      |                      | 1    | 23     | 21.92      | 0.1556       | 25.92    | 0.3908  |
|                                      |                      | 12   | 6      | 21.79      | 0.151        | 25.79    | 0.3793  |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.58      | 0.1143       | 24.58    | 0.2871  |
|                                      |                      | 1    | 23     | 20.43      | 0.1104       | 24.43    | 0.2773  |
|                                      |                      | 12   | 6      | 20.63      | 0.1156       | 24.63    | 0.2904  |
| 256QAM DFT-s-OFDM                    | 1                    | 1    | 18.39  | 0.069      | 22.39        | 0.1734   |         |
|                                      | 1                    | 23   | 18.24  | 0.0667     | 22.24        | 0.1675   |         |
|                                      | 12                   | 6    | 18.21  | 0.0662     | 22.21        | 0.1663   |         |
| Middle                               | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.41      | 0.1742       | 26.41    | 0.4375  |
|                                      |                      | 1    | 23     | 22.52      | 0.1786       | 26.52    | 0.4487  |
|                                      |                      | 12   | 6      | 22.57      | 0.1807       | 26.57    | 0.4539  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.29      | 0.1694       | 26.29    | 0.4256  |
|                                      |                      | 1    | 23     | 22.34      | 0.1714       | 26.34    | 0.4305  |
|                                      |                      | 12   | 6      | 22.51      | 0.1782       | 26.51    | 0.4477  |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.75      | 0.1496       | 25.75    | 0.3758  |
|                                      |                      | 1    | 23     | 21.68      | 0.1472       | 25.68    | 0.3698  |
|                                      |                      | 12   | 6      | 21.78      | 0.1507       | 25.78    | 0.3784  |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.79      | 0.1199       | 24.79    | 0.3013  |
|                                      |                      | 1    | 23     | 20.82      | 0.1208       | 24.82    | 0.3034  |
|                                      |                      | 12   | 6      | 20.43      | 0.1104       | 24.43    | 0.2773  |
| 256QAM DFT-s-OFDM                    | 1                    | 1    | 18.41  | 0.0693     | 22.41        | 0.1742   |         |
|                                      | 1                    | 23   | 18.46  | 0.0701     | 22.46        | 0.1762   |         |
|                                      | 12                   | 6    | 18.29  | 0.0675     | 22.29        | 0.1694   |         |
| QPSK CP-s-OFDM                       | 1                    | 1    | 21.29  | 0.1346     | 25.29        | 0.3381   |         |
|                                      | 1                    | 23   | 21.16  | 0.1306     | 25.16        | 0.3281   |         |
|                                      | 13                   | 6    | 21.14  | 0.13       | 25.14        | 0.3266   |         |
| Highest                              | PI/2 BPSK DFT-s-OFDM | 1    | 1      | 22.72      | 0.1871       | 26.72    | 0.4699  |
|                                      |                      | 1    | 23     | 22.71      | 0.1866       | 26.71    | 0.4688  |
|                                      |                      | 12   | 6      | 22.78      | 0.1897       | 26.78    | 0.4764  |
|                                      | QPSK DFT-s-OFDM      | 1    | 1      | 22.59      | 0.1816       | 26.59    | 0.456   |
|                                      |                      | 1    | 23     | 22.57      | 0.1807       | 26.57    | 0.4539  |
|                                      |                      | 12   | 6      | 22.77      | 0.1892       | 26.77    | 0.4753  |
|                                      | 16QAM DFT-s-OFDM     | 1    | 1      | 21.65      | 0.1462       | 25.65    | 0.3673  |
|                                      |                      | 1    | 23     | 21.93      | 0.156        | 25.93    | 0.3917  |
|                                      |                      | 12   | 6      | 21.81      | 0.1517       | 25.81    | 0.3811  |
|                                      | 64QAM DFT-s-OFDM     | 1    | 1      | 20.84      | 0.1213       | 24.84    | 0.3048  |
|                                      |                      | 1    | 23     | 20.46      | 0.1112       | 24.46    | 0.2793  |
|                                      |                      | 12   | 6      | 20.76      | 0.1191       | 24.76    | 0.2992  |
| 256QAM DFT-s-OFDM                    | 1                    | 1    | 18.27  | 0.0671     | 22.27        | 0.1687   |         |
|                                      | 1                    | 23   | 18.51  | 0.071      | 22.51        | 0.1782   |         |
|                                      | 12                   | 6    | 18.43  | 0.0697     | 22.43        | 0.175    |         |

| SA n66 (ANT M) 40MHz (GT - LC = 3 dB) |                         |      |        |           |              |           |         |
|---------------------------------------|-------------------------|------|--------|-----------|--------------|-----------|---------|
| Channel                               | Mode                    | NR   |        | Conducted |              | EIRP      |         |
|                                       |                         | RB   |        |           |              |           |         |
|                                       |                         | Size | Offset | Power(dB) | Power(Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.50     | 0.1778       | 25.50     | 0.3548  |
|                                       |                         | 1    | 214    | 22.67     | 0.1849       | 25.67     | 0.369   |
|                                       |                         | 108  | 54     | 23.08     | 0.2032       | 26.08     | 0.4055  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.43     | 0.175        | 25.43     | 0.3491  |
|                                       |                         | 1    | 214    | 22.55     | 0.1799       | 25.55     | 0.3589  |
|                                       |                         | 108  | 54     | 23.02     | 0.2004       | 26.02     | 0.3999  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.48     | 0.1406       | 24.48     | 0.2805  |
|                                       |                         | 1    | 214    | 21.49     | 0.1409       | 24.49     | 0.2812  |
|                                       |                         | 108  | 54     | 21.74     | 0.1493       | 24.74     | 0.2979  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 19.63     | 0.0918       | 22.63     | 0.1832  |
|                                       |                         | 1    | 214    | 19.76     | 0.0946       | 22.76     | 0.1888  |
|                                       |                         | 108  | 54     | 20.17     | 0.104        | 23.17     | 0.2075  |
| 256QAM<br>DFT-s-OFDM                  | 1                       | 1    | 17.59  | 0.0574    | 20.59        | 0.1146    |         |
|                                       | 1                       | 214  | 17.63  | 0.0579    | 20.63        | 0.1156    |         |
|                                       | 108                     | 54   | 18.19  | 0.0659    | 21.19        | 0.1315    |         |
| Middle                                | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.63     | 0.1832       | 25.63     | 0.3656  |
|                                       |                         | 1    | 214    | 22.53     | 0.1791       | 25.53     | 0.3573  |
|                                       |                         | 108  | 54     | 23.09     | 0.2037       | 26.09     | 0.4064  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.54     | 0.1795       | 25.54     | 0.3581  |
|                                       |                         | 1    | 214    | 22.44     | 0.1754       | 25.44     | 0.3499  |
|                                       |                         | 108  | 54     | 23.20     | 0.2089       | 26.20     | 0.4169  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.13     | 0.1297       | 24.13     | 0.2588  |
|                                       |                         | 1    | 214    | 21.61     | 0.1449       | 24.61     | 0.2891  |
|                                       |                         | 108  | 54     | 21.77     | 0.1503       | 24.77     | 0.2999  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 19.71     | 0.0935       | 22.71     | 0.1866  |
|                                       |                         | 1    | 214    | 19.86     | 0.0968       | 22.86     | 0.1932  |
|                                       |                         | 108  | 54     | 20.27     | 0.1064       | 23.27     | 0.2123  |
| 256QAM<br>DFT-s-OFDM                  | 1                       | 1    | 17.63  | 0.0579    | 20.63        | 0.1156    |         |
|                                       | 1                       | 214  | 17.77  | 0.0598    | 20.77        | 0.1194    |         |
|                                       | 108                     | 54   | 18.24  | 0.0667    | 21.24        | 0.133     |         |
| QPSK<br>CP-OFDM                       | 1                       | 1    | 20.71  | 0.1178    | 23.71        | 0.235     |         |
|                                       | 1                       | 214  | 20.91  | 0.1233    | 23.91        | 0.246     |         |
|                                       | 108                     | 54   | 21.22  | 0.1324    | 24.22        | 0.2642    |         |
| Highest                               | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.53     | 0.1791       | 25.53     | 0.3573  |
|                                       |                         | 1    | 214    | 22.16     | 0.1644       | 25.16     | 0.3281  |
|                                       |                         | 108  | 54     | 22.92     | 0.1959       | 25.92     | 0.3908  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.58     | 0.1811       | 25.58     | 0.3614  |
|                                       |                         | 1    | 214    | 22.16     | 0.1644       | 25.16     | 0.3281  |
|                                       |                         | 108  | 54     | 22.94     | 0.1968       | 25.94     | 0.3926  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.49     | 0.1409       | 24.49     | 0.2812  |
|                                       |                         | 1    | 214    | 21.88     | 0.1542       | 24.88     | 0.3076  |
|                                       |                         | 108  | 54     | 21.74     | 0.1493       | 24.74     | 0.2979  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 19.87     | 0.0971       | 22.87     | 0.1936  |
|                                       |                         | 1    | 214    | 19.97     | 0.0993       | 22.97     | 0.1982  |
|                                       |                         | 108  | 54     | 20.24     | 0.1057       | 23.24     | 0.2109  |
| 256QAM<br>DFT-s-OFDM                  | 1                       | 1    | 17.66  | 0.0583    | 20.66        | 0.1164    |         |
|                                       | 1                       | 214  | 17.73  | 0.0593    | 20.73        | 0.1183    |         |
|                                       | 108                     | 54   | 18.24  | 0.0667    | 21.24        | 0.133     |         |

| SA n66 (ANT M) 20MHz (GT - LC = 3 dB) |                         |      |        |           |              |           |         |
|---------------------------------------|-------------------------|------|--------|-----------|--------------|-----------|---------|
| Channel                               | Mode                    | NR   |        | Conducted |              | EIRP      |         |
|                                       |                         | RB   |        |           |              |           |         |
|                                       |                         | Size | Offset | Power(dB) | Power(Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.92     | 0.1959       | 25.92     | 0.3908  |
|                                       |                         | 1    | 104    | 23.12     | 0.2051       | 26.12     | 0.4093  |
|                                       |                         | 50   | 25     | 23.03     | 0.2009       | 26.03     | 0.4009  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.79     | 0.1901       | 25.79     | 0.3793  |
|                                       |                         | 1    | 104    | 23.01     | 0.2          | 26.01     | 0.399   |
|                                       |                         | 50   | 25     | 23.04     | 0.2014       | 26.04     | 0.4018  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.72     | 0.1486       | 24.72     | 0.2965  |
|                                       |                         | 1    | 104    | 21.95     | 0.1567       | 24.95     | 0.3126  |
|                                       |                         | 50   | 25     | 21.73     | 0.1489       | 24.73     | 0.2972  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.03     | 0.1007       | 23.03     | 0.2009  |
|                                       |                         | 1    | 104    | 20.13     | 0.103        | 23.13     | 0.2056  |
|                                       |                         | 50   | 25     | 20.15     | 0.1035       | 23.15     | 0.2065  |
| 256QAM<br>DFT-s-OFDM                  | 1                       | 1    | 17.93  | 0.0621    | 20.93        | 0.1239    |         |
|                                       | 1                       | 104  | 18.01  | 0.0632    | 21.01        | 0.1262    |         |
|                                       | 50                      | 25   | 18.23  | 0.0665    | 21.23        | 0.1327    |         |
| Middle                                | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 23.02     | 0.2004       | 26.02     | 0.3999  |
|                                       |                         | 1    | 104    | 23.06     | 0.2023       | 26.06     | 0.4036  |
|                                       |                         | 50   | 25     | 23.15     | 0.2065       | 26.15     | 0.4121  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 23.05     | 0.2018       | 26.05     | 0.4027  |
|                                       |                         | 1    | 104    | 22.97     | 0.1982       | 25.97     | 0.3954  |
|                                       |                         | 50   | 25     | 23.18     | 0.208        | 26.18     | 0.415   |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.91     | 0.1552       | 24.91     | 0.3097  |
|                                       |                         | 1    | 104    | 21.97     | 0.1574       | 24.97     | 0.3141  |
|                                       |                         | 50   | 25     | 21.82     | 0.1521       | 24.82     | 0.3034  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.21     | 0.105        | 23.21     | 0.2094  |
|                                       |                         | 1    | 104    | 20.29     | 0.1069       | 23.29     | 0.2133  |
|                                       |                         | 50   | 25     | 20.32     | 0.1076       | 23.32     | 0.2148  |
|                                       | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 18.04     | 0.0637       | 21.04     | 0.1271  |
|                                       |                         | 1    | 104    | 18.15     | 0.0653       | 21.15     | 0.1303  |
|                                       |                         | 50   | 25     | 18.34     | 0.0682       | 21.34     | 0.1361  |
|                                       | QPSK<br>CP-OFDM         | 1    | 1      | 21.26     | 0.1337       | 24.26     | 0.2667  |
|                                       |                         | 1    | 104    | 21.27     | 0.134        | 24.27     | 0.2673  |
|                                       |                         | 53   | 26     | 21.34     | 0.1361       | 24.34     | 0.2716  |
| Highest                               | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.70     | 0.1862       | 25.70     | 0.3715  |
|                                       |                         | 1    | 104    | 22.56     | 0.1803       | 25.56     | 0.3597  |
|                                       |                         | 50   | 25     | 22.81     | 0.191        | 25.81     | 0.3811  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.65     | 0.1841       | 25.65     | 0.3673  |
|                                       |                         | 1    | 104    | 22.53     | 0.1791       | 25.53     | 0.3573  |
|                                       |                         | 50   | 25     | 22.81     | 0.191        | 25.81     | 0.3811  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.79     | 0.151        | 24.79     | 0.3013  |
|                                       |                         | 1    | 104    | 21.92     | 0.1556       | 24.92     | 0.3105  |
|                                       |                         | 50   | 25     | 21.81     | 0.1517       | 24.81     | 0.3027  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.33     | 0.1079       | 23.33     | 0.2153  |
|                                       |                         | 1    | 104    | 20.34     | 0.1081       | 23.34     | 0.2158  |
|                                       |                         | 50   | 25     | 20.24     | 0.1057       | 23.24     | 0.2109  |
|                                       | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 17.98     | 0.0628       | 20.98     | 0.1253  |
|                                       |                         | 1    | 104    | 18.01     | 0.0632       | 21.01     | 0.1262  |
|                                       |                         | 50   | 25     | 18.29     | 0.0675       | 21.29     | 0.1346  |

| SA n66 (ANT M) 15MHz (GT - LC = 3 dB) |                         |      |        |           |              |           |         |
|---------------------------------------|-------------------------|------|--------|-----------|--------------|-----------|---------|
| Channel                               | Mode                    | NR   |        | Conducted |              | EIRP      |         |
|                                       |                         | RB   |        |           |              |           |         |
|                                       |                         | Size | Offset | Power(dB) | Power(Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.94     | 0.1968       | 25.94     | 0.3926  |
|                                       |                         | 1    | 77     | 23.08     | 0.2032       | 26.08     | 0.4055  |
|                                       |                         | 36   | 18     | 23.03     | 0.2009       | 26.03     | 0.4009  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.89     | 0.1945       | 25.89     | 0.3882  |
|                                       |                         | 1    | 77     | 23.04     | 0.2014       | 26.04     | 0.4018  |
|                                       |                         | 36   | 18     | 23.11     | 0.2046       | 26.11     | 0.4083  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.87     | 0.1538       | 24.87     | 0.3069  |
|                                       |                         | 1    | 77     | 21.92     | 0.1556       | 24.92     | 0.3105  |
|                                       |                         | 36   | 18     | 21.74     | 0.1493       | 24.74     | 0.2979  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.13     | 0.103        | 23.13     | 0.2056  |
|                                       |                         | 1    | 77     | 20.16     | 0.1038       | 23.16     | 0.207   |
|                                       |                         | 36   | 18     | 20.19     | 0.1045       | 23.19     | 0.2084  |
|                                       | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 17.92     | 0.0619       | 20.92     | 0.1236  |
|                                       |                         | 1    | 77     | 18.04     | 0.0637       | 21.04     | 0.1271  |
|                                       |                         | 36   | 18     | 18.36     | 0.0685       | 21.36     | 0.1368  |
| Middle                                | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 23.17     | 0.2075       | 26.17     | 0.414   |
|                                       |                         | 1    | 77     | 23.09     | 0.2037       | 26.09     | 0.4064  |
|                                       |                         | 36   | 18     | 23.19     | 0.2084       | 26.19     | 0.4159  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 23.10     | 0.2042       | 26.10     | 0.4074  |
|                                       |                         | 1    | 77     | 22.95     | 0.1972       | 25.95     | 0.3936  |
|                                       |                         | 36   | 18     | 23.12     | 0.2051       | 26.12     | 0.4093  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.98     | 0.1578       | 24.98     | 0.3148  |
|                                       |                         | 1    | 77     | 22.02     | 0.1592       | 25.02     | 0.3177  |
|                                       |                         | 36   | 18     | 21.82     | 0.1521       | 24.82     | 0.3034  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.28     | 0.1067       | 23.28     | 0.2128  |
|                                       |                         | 1    | 77     | 20.37     | 0.1089       | 23.37     | 0.2173  |
|                                       |                         | 36   | 18     | 20.35     | 0.1084       | 23.35     | 0.2163  |
|                                       | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 18.16     | 0.0655       | 21.16     | 0.1306  |
|                                       |                         | 1    | 77     | 18.13     | 0.065        | 21.13     | 0.1297  |
|                                       |                         | 36   | 18     | 18.34     | 0.0682       | 21.34     | 0.1361  |
| QPSK<br>CP-OFDM                       | 1                       | 1    | 21.29  | 0.1346    | 24.29        | 0.2685    |         |
|                                       | 1                       | 77   | 21.22  | 0.1324    | 24.22        | 0.2642    |         |
|                                       | 39                      | 19   | 21.23  | 0.1327    | 24.23        | 0.2649    |         |
| Highest                               | Pi/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.73     | 0.1875       | 25.73     | 0.3741  |
|                                       |                         | 1    | 77     | 22.64     | 0.1837       | 25.64     | 0.3664  |
|                                       |                         | 36   | 18     | 22.72     | 0.1871       | 25.72     | 0.3733  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.67     | 0.1849       | 25.67     | 0.369   |
|                                       |                         | 1    | 77     | 22.55     | 0.1799       | 25.55     | 0.3589  |
|                                       |                         | 36   | 18     | 22.73     | 0.1875       | 25.73     | 0.3741  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.84     | 0.1528       | 24.84     | 0.3048  |
|                                       |                         | 1    | 77     | 21.97     | 0.1574       | 24.97     | 0.3141  |
|                                       |                         | 36   | 18     | 21.74     | 0.1493       | 24.74     | 0.2979  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.13     | 0.103        | 23.13     | 0.2056  |
|                                       |                         | 1    | 77     | 20.37     | 0.1089       | 23.37     | 0.2173  |
|                                       |                         | 36   | 18     | 20.21     | 0.105        | 23.21     | 0.2094  |
|                                       | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 18.04     | 0.0637       | 21.04     | 0.1271  |
|                                       |                         | 1    | 77     | 18.16     | 0.0655       | 21.16     | 0.1306  |
|                                       |                         | 36   | 18     | 18.28     | 0.0673       | 21.28     | 0.1343  |

| SA n66 (ANT M) 10MHz (GT - LC = 3 dB) |                         |      |        |            |              |           |         |
|---------------------------------------|-------------------------|------|--------|------------|--------------|-----------|---------|
| Channel                               | Mode                    | NR   |        | Conducted  |              | EIRP      |         |
|                                       |                         | RB   |        |            |              |           |         |
|                                       |                         | Size | Offset | Power(dBm) | Power(Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.91      | 0.1954       | 25.91     | 0.3899  |
|                                       |                         | 1    | 50     | 23.04      | 0.2014       | 26.04     | 0.4018  |
|                                       |                         | 25   | 12     | 22.94      | 0.1968       | 25.94     | 0.3926  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.81      | 0.191        | 25.81     | 0.3811  |
|                                       |                         | 1    | 50     | 23.01      | 0.2          | 26.01     | 0.399   |
|                                       |                         | 25   | 12     | 22.98      | 0.1986       | 25.98     | 0.3963  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.81      | 0.1517       | 24.81     | 0.3027  |
|                                       |                         | 1    | 50     | 21.95      | 0.1567       | 24.95     | 0.3126  |
|                                       |                         | 25   | 12     | 21.59      | 0.1442       | 24.59     | 0.2877  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.10      | 0.1023       | 23.10     | 0.2042  |
|                                       |                         | 1    | 50     | 20.18      | 0.1042       | 23.18     | 0.208   |
|                                       |                         | 25   | 12     | 20.22      | 0.1052       | 23.22     | 0.2099  |
| 256QAM<br>DFT-s-OFDM                  | 1                       | 1    | 17.92  | 0.0619     | 20.92        | 0.1236    |         |
|                                       | 1                       | 50   | 18.02  | 0.0634     | 21.02        | 0.1265    |         |
|                                       | 25                      | 12   | 18.04  | 0.0637     | 21.04        | 0.1271    |         |
| Middle                                | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.95      | 0.1972       | 25.95     | 0.3936  |
|                                       |                         | 1    | 50     | 22.99      | 0.1991       | 25.99     | 0.3972  |
|                                       |                         | 25   | 12     | 22.96      | 0.1977       | 25.96     | 0.3945  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.98      | 0.1986       | 25.98     | 0.3963  |
|                                       |                         | 1    | 50     | 22.84      | 0.1923       | 25.84     | 0.3837  |
|                                       |                         | 25   | 12     | 23.02      | 0.2004       | 26.02     | 0.3999  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.88      | 0.1542       | 24.88     | 0.3076  |
|                                       |                         | 1    | 50     | 21.87      | 0.1538       | 24.87     | 0.3069  |
|                                       |                         | 25   | 12     | 21.65      | 0.1462       | 24.65     | 0.2917  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.16      | 0.1038       | 23.16     | 0.207   |
|                                       |                         | 1    | 50     | 20.20      | 0.1047       | 23.20     | 0.2089  |
|                                       |                         | 25   | 12     | 20.15      | 0.1035       | 23.15     | 0.2065  |
|                                       | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 18.01      | 0.0632       | 21.01     | 0.1262  |
|                                       |                         | 1    | 50     | 17.98      | 0.0628       | 20.98     | 0.1253  |
|                                       |                         | 25   | 12     | 18.07      | 0.0641       | 21.07     | 0.1279  |
|                                       | QPSK<br>CP-OFDM         | 1    | 1      | 21.17      | 0.1309       | 24.17     | 0.2612  |
|                                       |                         | 1    | 50     | 21.21      | 0.1321       | 24.21     | 0.2636  |
|                                       |                         | 26   | 13     | 21.09      | 0.1285       | 24.09     | 0.2564  |
| Highest                               | PI/2 BPSK<br>DFT-s-OFDM | 1    | 1      | 22.68      | 0.1854       | 25.68     | 0.3698  |
|                                       |                         | 1    | 50     | 22.55      | 0.1799       | 25.55     | 0.3589  |
|                                       |                         | 25   | 12     | 22.57      | 0.1807       | 25.57     | 0.3606  |
|                                       | QPSK<br>DFT-s-OFDM      | 1    | 1      | 22.58      | 0.1811       | 25.58     | 0.3614  |
|                                       |                         | 1    | 50     | 22.63      | 0.1832       | 25.63     | 0.3656  |
|                                       |                         | 25   | 12     | 22.64      | 0.1837       | 25.64     | 0.3664  |
|                                       | 16QAM<br>DFT-s-OFDM     | 1    | 1      | 21.88      | 0.1542       | 24.88     | 0.3076  |
|                                       |                         | 1    | 50     | 21.95      | 0.1567       | 24.95     | 0.3126  |
|                                       |                         | 25   | 12     | 21.67      | 0.1469       | 24.67     | 0.2931  |
|                                       | 64QAM<br>DFT-s-OFDM     | 1    | 1      | 20.27      | 0.1064       | 23.27     | 0.2123  |
|                                       |                         | 1    | 50     | 20.35      | 0.1084       | 23.35     | 0.2163  |
|                                       |                         | 25   | 12     | 20.25      | 0.1059       | 23.25     | 0.2113  |
|                                       | 256QAM<br>DFT-s-OFDM    | 1    | 1      | 18.05      | 0.0638       | 21.05     | 0.1274  |
|                                       |                         | 1    | 50     | 18.11      | 0.0647       | 21.11     | 0.1291  |
|                                       |                         | 25   | 12     | 18.12      | 0.0649       | 21.12     | 0.1294  |

| SA n66 (ANT M) 5MHz (GT - LC = 3 dB) |                         |                         |        |            |              |           |         |
|--------------------------------------|-------------------------|-------------------------|--------|------------|--------------|-----------|---------|
| Channel                              | Mode                    | NR                      |        | Conducted  |              | EIRP      |         |
|                                      |                         | RB                      |        |            |              |           |         |
|                                      |                         | Size                    | Offset | Power(dBm) | Power(Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                               | PI/2 BPSK<br>DFT-s-OFDM | 1                       | 1      | 22.96      | 0.1977       | 25.96     | 0.3945  |
|                                      |                         | 1                       | 23     | 23.07      | 0.2028       | 26.07     | 0.4046  |
|                                      |                         | 12                      | 6      | 23.01      | 0.2          | 26.01     | 0.399   |
|                                      | QPSK<br>DFT-s-OFDM      | 1                       | 1      | 22.89      | 0.1945       | 25.89     | 0.3882  |
|                                      |                         | 1                       | 23     | 22.99      | 0.1991       | 25.99     | 0.3972  |
|                                      |                         | 12                      | 6      | 23.03      | 0.2009       | 26.03     | 0.4009  |
|                                      | 16QAM<br>DFT-s-OFDM     | 1                       | 1      | 21.81      | 0.1517       | 24.81     | 0.3027  |
|                                      |                         | 1                       | 23     | 21.87      | 0.1538       | 24.87     | 0.3069  |
|                                      |                         | 12                      | 6      | 21.74      | 0.1493       | 24.74     | 0.2979  |
|                                      | 64QAM<br>DFT-s-OFDM     | 1                       | 1      | 20.09      | 0.1021       | 23.09     | 0.2037  |
|                                      |                         | 1                       | 23     | 20.18      | 0.1042       | 23.18     | 0.208   |
|                                      |                         | 12                      | 6      | 20.20      | 0.1047       | 23.20     | 0.2089  |
|                                      | 256QAM<br>DFT-s-OFDM    | 1                       | 1      | 17.91      | 0.0618       | 20.91     | 0.1233  |
|                                      |                         | 1                       | 23     | 18.02      | 0.0634       | 21.02     | 0.1265  |
|                                      |                         | 12                      | 6      | 18.21      | 0.0662       | 21.21     | 0.1321  |
|                                      | Middle                  | PI/2 BPSK<br>DFT-s-OFDM | 1      | 1          | 23.11        | 0.2046    | 26.11   |
| 1                                    |                         |                         | 23     | 23.13      | 0.2056       | 26.13     | 0.4102  |
| 12                                   |                         |                         | 6      | 23.16      | 0.207        | 26.16     | 0.413   |
| QPSK<br>DFT-s-OFDM                   |                         | 1                       | 1      | 23.12      | 0.2051       | 26.12     | 0.4093  |
|                                      |                         | 1                       | 23     | 23.08      | 0.2032       | 26.08     | 0.4055  |
|                                      |                         | 12                      | 6      | 23.16      | 0.207        | 26.16     | 0.413   |
| 16QAM<br>DFT-s-OFDM                  |                         | 1                       | 1      | 21.98      | 0.1578       | 24.98     | 0.3148  |
|                                      |                         | 1                       | 23     | 21.96      | 0.157        | 24.96     | 0.3133  |
|                                      |                         | 12                      | 6      | 21.84      | 0.1528       | 24.84     | 0.3048  |
| 64QAM<br>DFT-s-OFDM                  |                         | 1                       | 1      | 20.43      | 0.1104       | 23.43     | 0.2203  |
|                                      |                         | 1                       | 23     | 20.35      | 0.1084       | 23.35     | 0.2163  |
|                                      |                         | 12                      | 6      | 20.33      | 0.1079       | 23.33     | 0.2153  |
| 256QAM<br>DFT-s-OFDM                 |                         | 1                       | 1      | 18.11      | 0.0647       | 21.11     | 0.1291  |
|                                      |                         | 1                       | 23     | 18.14      | 0.0652       | 21.14     | 0.13    |
|                                      |                         | 12                      | 6      | 18.34      | 0.0682       | 21.34     | 0.1361  |
| QPSK<br>CP-OFDM                      |                         | 1                       | 1      | 21.38      | 0.1374       | 24.38     | 0.2742  |
|                                      | 1                       | 23                      | 21.34  | 0.1361     | 24.34        | 0.2716    |         |
|                                      | 13                      | 6                       | 21.33  | 0.1358     | 24.33        | 0.271     |         |
| Highest                              | PI/2 BPSK<br>DFT-s-OFDM | 1                       | 1      | 22.67      | 0.1849       | 25.67     | 0.369   |
|                                      |                         | 1                       | 23     | 22.56      | 0.1803       | 25.56     | 0.3597  |
|                                      |                         | 12                      | 6      | 22.66      | 0.1845       | 25.66     | 0.3681  |
|                                      | QPSK<br>DFT-s-OFDM      | 1                       | 1      | 22.57      | 0.1807       | 25.57     | 0.3606  |
|                                      |                         | 1                       | 23     | 22.52      | 0.1786       | 25.52     | 0.3565  |
|                                      |                         | 12                      | 6      | 22.71      | 0.1866       | 25.71     | 0.3724  |
|                                      | 16QAM<br>DFT-s-OFDM     | 1                       | 1      | 21.93      | 0.156        | 24.93     | 0.3112  |
|                                      |                         | 1                       | 23     | 21.94      | 0.1563       | 24.94     | 0.3119  |
|                                      |                         | 12                      | 6      | 21.90      | 0.1549       | 24.90     | 0.309   |
|                                      | 64QAM<br>DFT-s-OFDM     | 1                       | 1      | 20.37      | 0.1089       | 23.37     | 0.2173  |
|                                      |                         | 1                       | 23     | 20.32      | 0.1076       | 23.32     | 0.2148  |
|                                      |                         | 12                      | 6      | 20.33      | 0.1079       | 23.33     | 0.2153  |
|                                      | 256QAM<br>DFT-s-OFDM    | 1                       | 1      | 18.12      | 0.0649       | 21.12     | 0.1294  |
|                                      |                         | 1                       | 23     | 18.06      | 0.064        | 21.06     | 0.1276  |
|                                      |                         | 12                      | 6      | 18.34      | 0.0682       | 21.34     | 0.1361  |



## FR1 n2 SA

### Peak-to-Average Ratio

| Mode       | FR1 n2 / 20MHz / DFT-S OFDM |           |      |         |             |
|------------|-----------------------------|-----------|------|---------|-------------|
| Mod.       | PI/2 BPSK                   | PI/2 BPSK | QPSK | QPSK    | Limit: 13dB |
| RB Size    | 1RB                         | Full RB   | 1RB  | Full RB | Result      |
| Lowest CH  | 3.45                        | 3.88      | 4.26 | 5.22    | PASS        |
| Middle CH  | 4.29                        | 3.62      | 5.57 | 5.16    |             |
| Highest CH | 3.80                        | 3.57      | 5.54 | 4.96    |             |



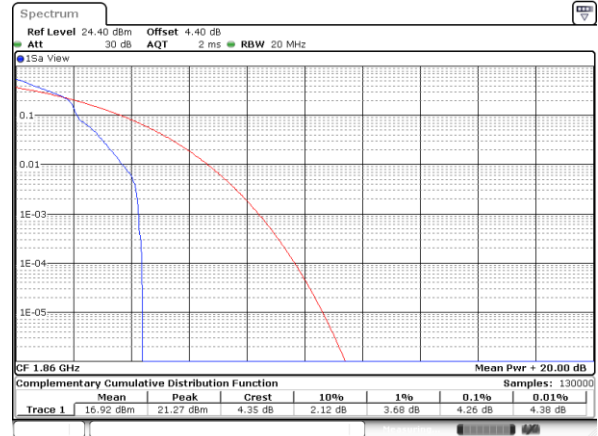
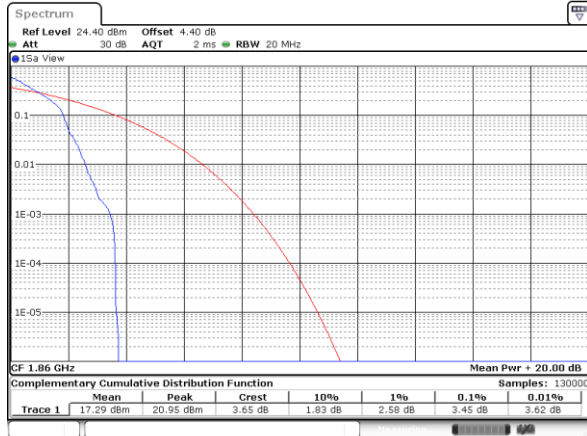
## FR1 n2 / 20MHz / DFT-S OFDM

## PI/2 BPSK

## QPSK

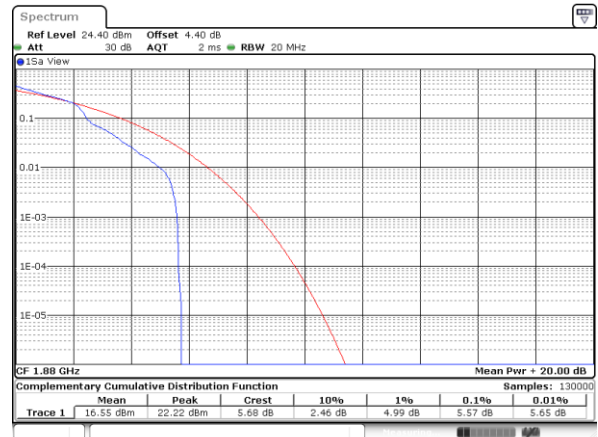
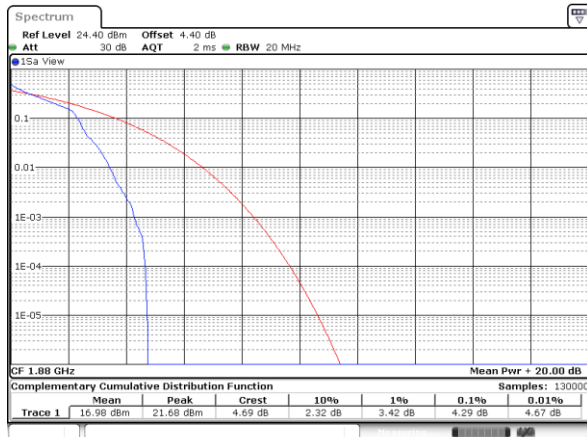
## Lowest Channel / 1RB

## Lowest Channel / 1RB



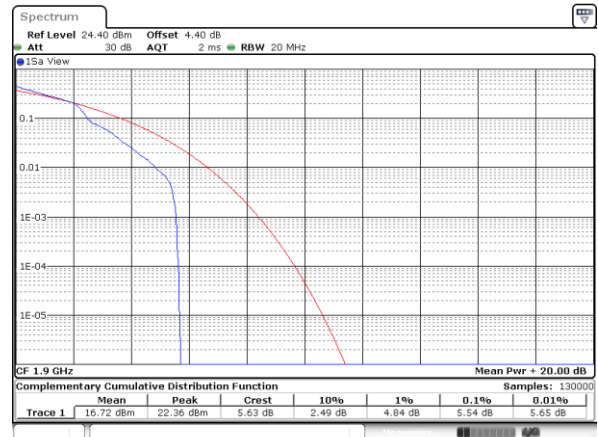
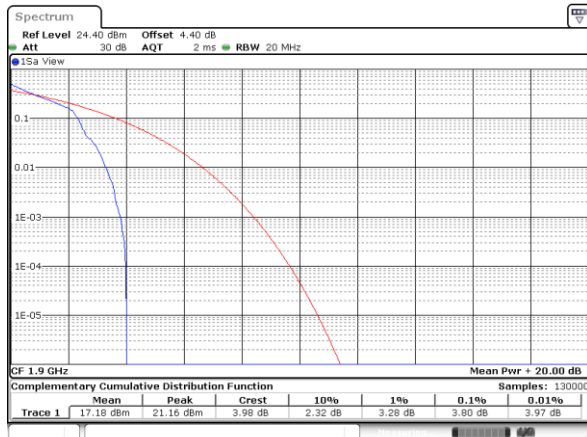
## Middle Channel / 1 RB

## Middle Channel / 1 RB



## Highest Channel / 1 RB

## Highest Channel / 1 RB





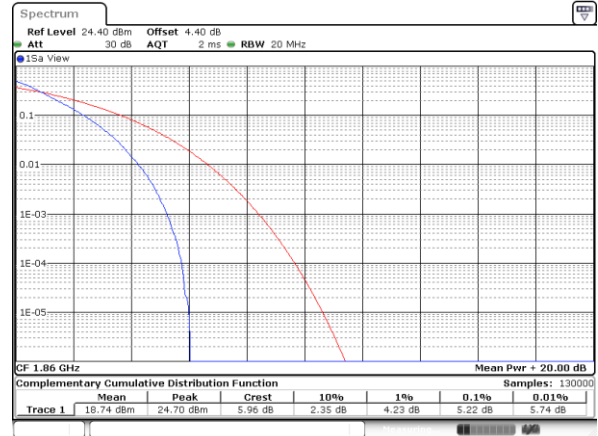
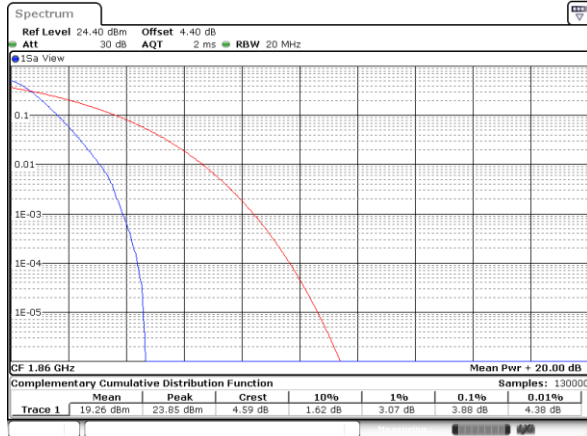
## FR1 n2 / 20MHz / DFT-S OFDM

## PI/2 BPSK

## QPSK

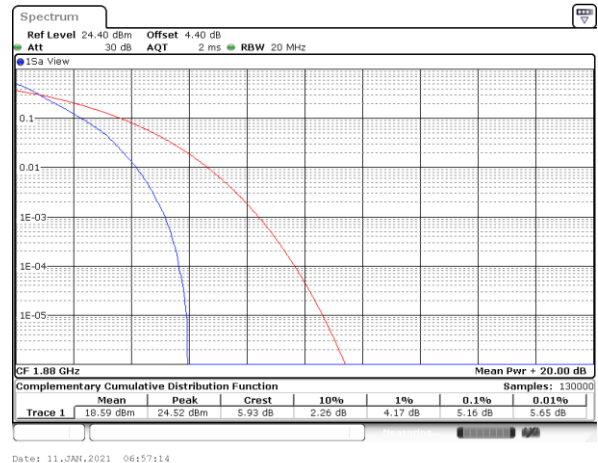
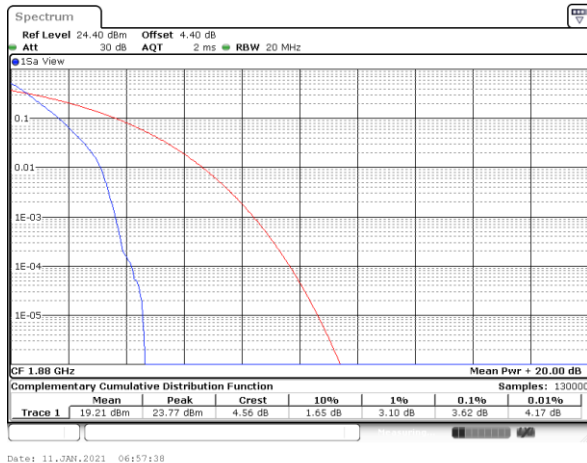
## Lowest Channel / Full RB

## Lowest Channel / Full RB



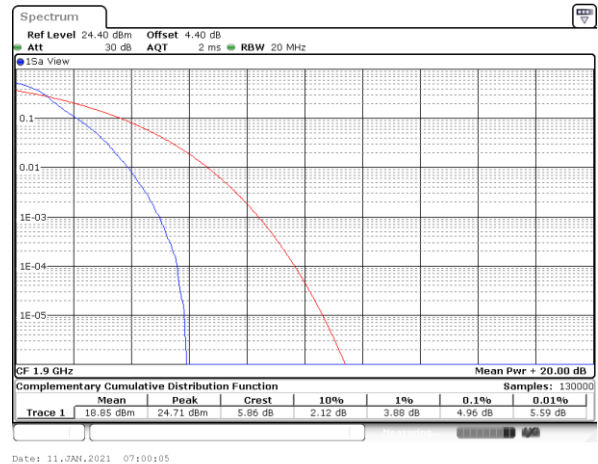
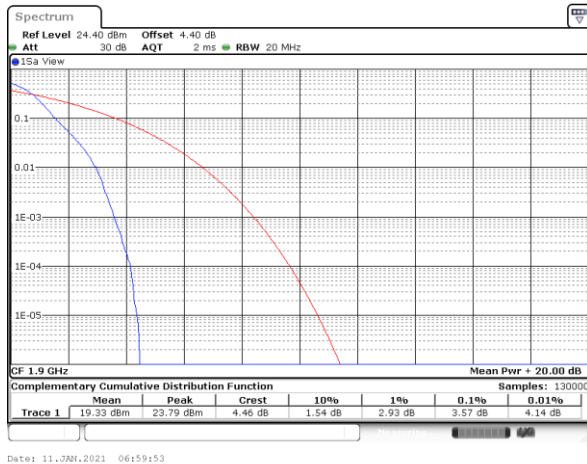
## Middle Channel / Full RB

## Middle Channel / Full RB



## Highest Channel / Full RB

## Highest Channel / Full RB



**26dB Bandwidth**

| Mode      | FR1 n2 : 26dB BW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|---------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 5MHz                            | 5MHz  | 5MHz  | 5MHz   |  |  |  |  |
| Mod.      | QPSK                            | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 4.83                            | 4.83  | 4.83  | 4.86   |  |  |  |  |

| Mode      | FR1 n2 : 26dB BW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|---------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 10MHz                           | 10MHz | 10MHz | 10MHz  |  |  |  |  |
| Mod.      | QPSK                            | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 9.77                            | 9.79  | 9.77  | 9.75   |  |  |  |  |

| Mode      | FR1 n2 : 26dB BW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|---------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 15MHz                           | 15MHz | 15MHz | 15MHz  |  |  |  |  |
| Mod.      | QPSK                            | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 14.96                           | 14.96 | 14.93 | 14.89  |  |  |  |  |

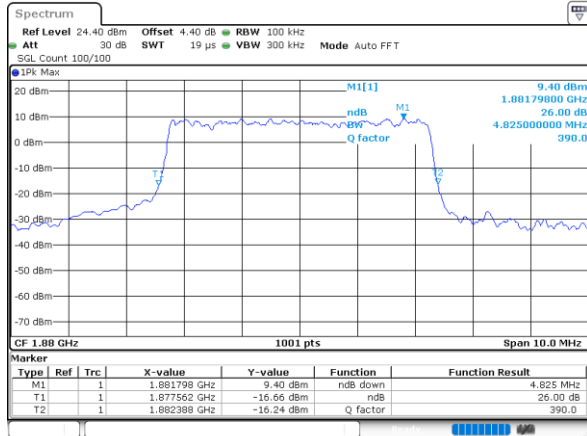
| Mode      | FR1 n2 : 26dB BW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|---------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 20MHz                           | 20MHz | 20MHz | 20MHz  |  |  |  |  |
| Mod.      | QPSK                            | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 19.98                           | 19.82 | 19.98 | 19.70  |  |  |  |  |



## FR1 n2 / 5MHz / CP-OFDM

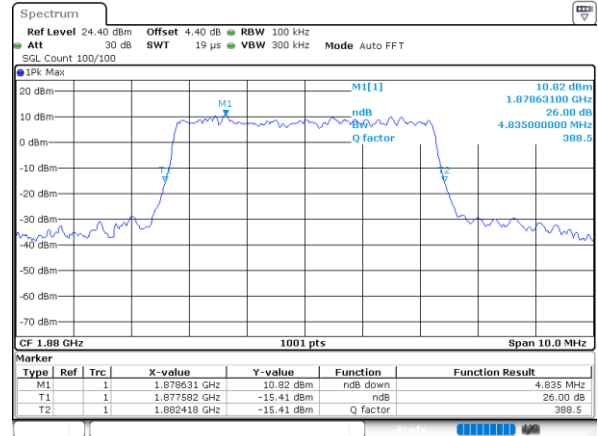
## QPSK

## Middle Channel



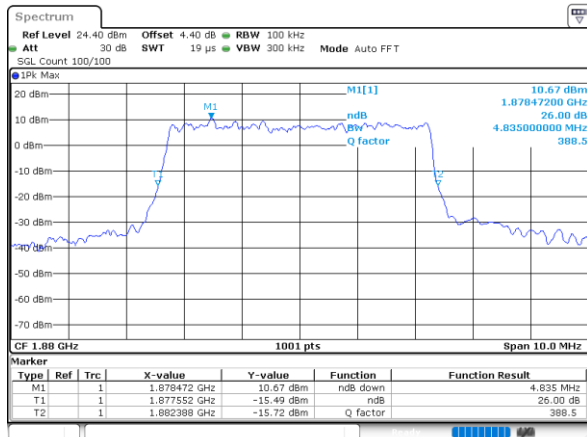
## 16QAM

## Middle Channel



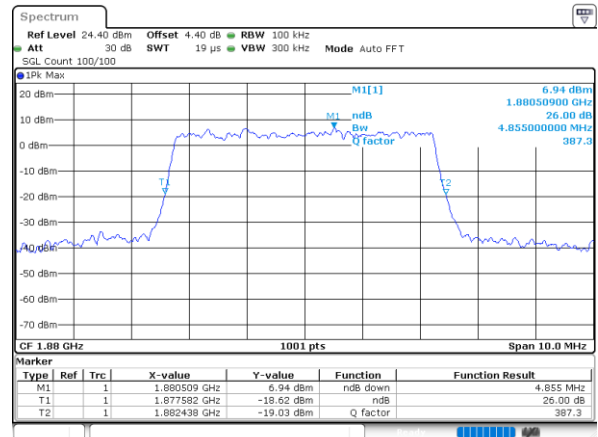
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

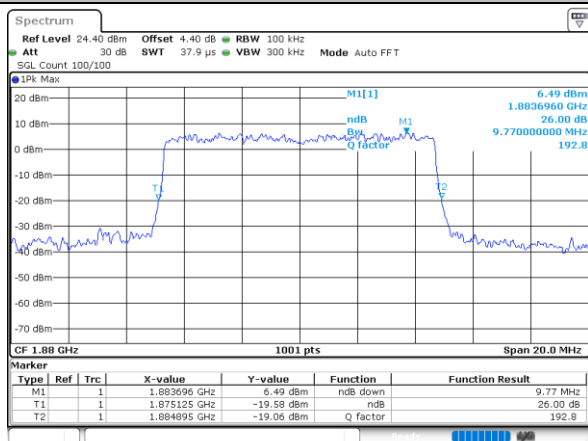




## FR1 n2 / 10MHz / CP-OFDM

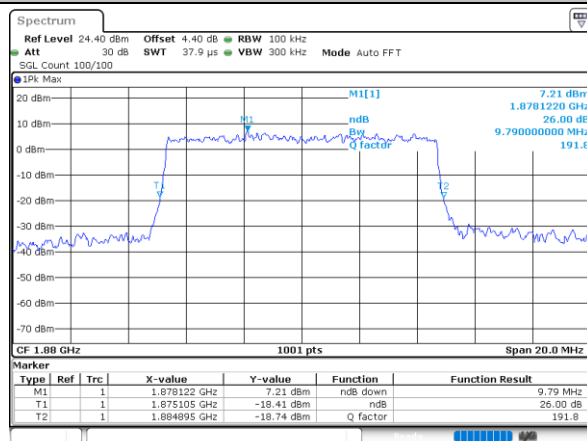
## QPSK

## Middle Channel



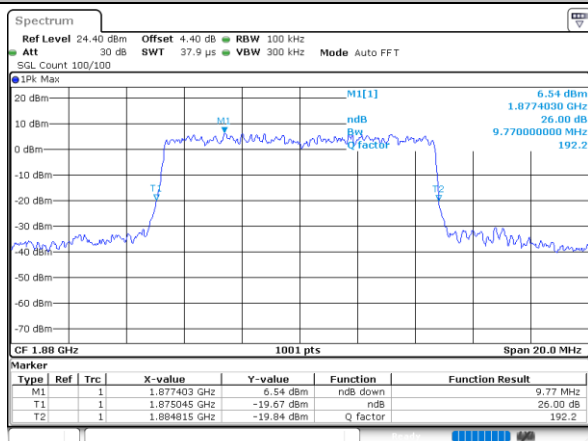
## 16QAM

## Middle Channel



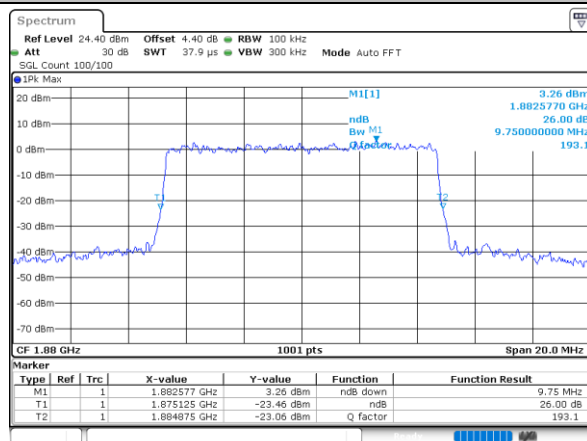
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel





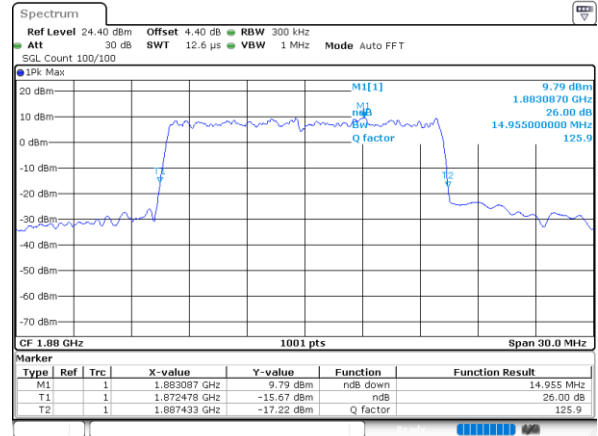
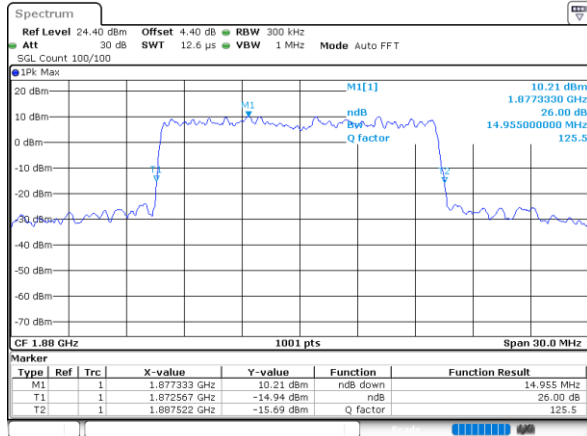
## FR1 n2 / 15MHz / CP-OFDM

## QPSK

## 16QAM

## Middle Channel

## Middle Channel

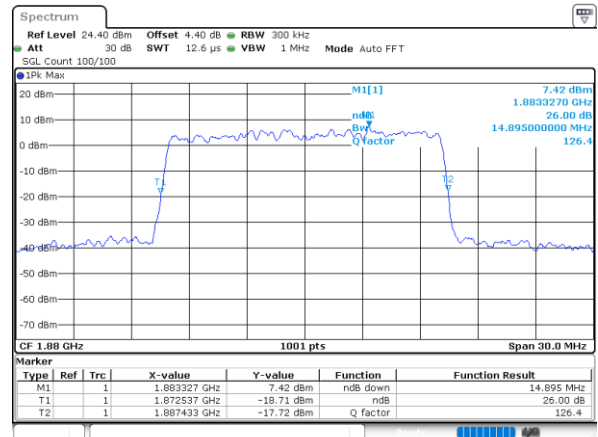
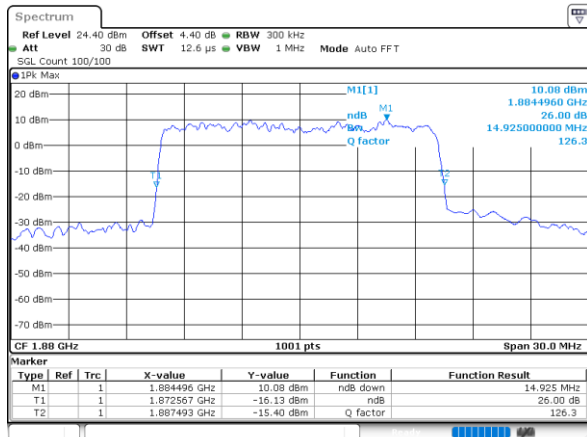


## 64QAM

## 256QAM

## Middle Channel

## Middle Channel

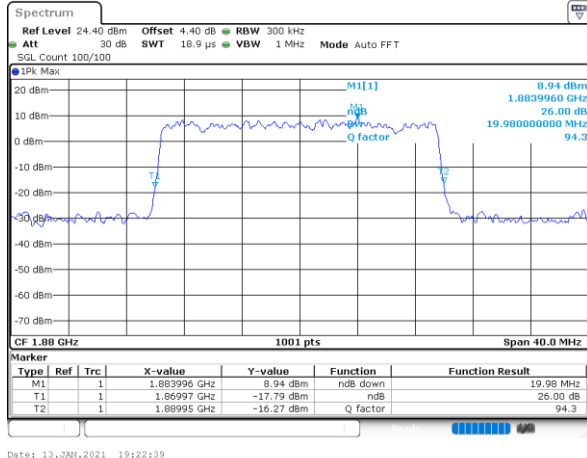




## FR1 n2 / 20MHz / CP-OFDM

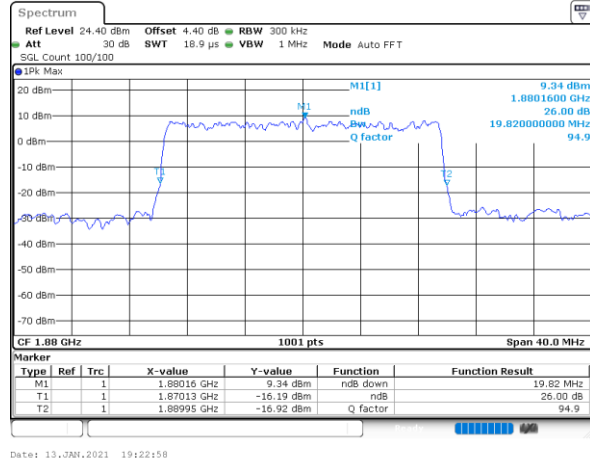
## QPSK

## Middle Channel



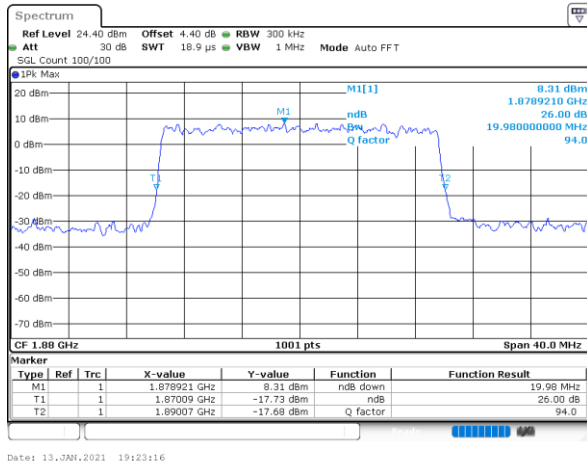
## 16QAM

## Middle Channel



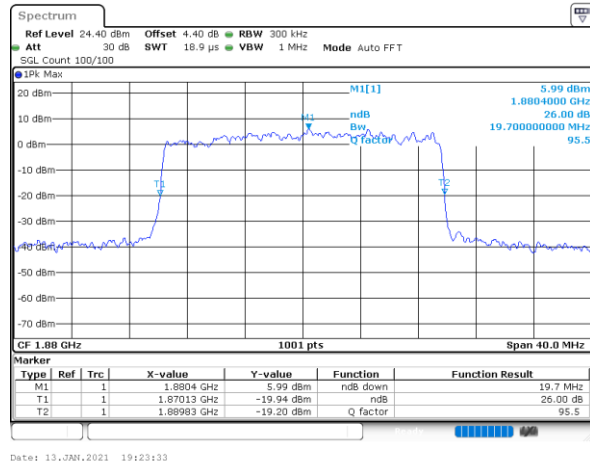
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel



**Occupied Bandwidth**

| Mode      | FR1 n2 : OBW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|-----------------------------|-------|-------|--------|--|--|--|--|
| BW        | 5MHz                        | 5MHz  | 5MHz  | 5MHz   |  |  |  |  |
| Mod.      | QPSK                        | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 4.50                        | 4.47  | 4.52  | 4.48   |  |  |  |  |

| Mode      | FR1 n2 : OBW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|-----------------------------|-------|-------|--------|--|--|--|--|
| BW        | 10MHz                       | 10MHz | 10MHz | 10MHz  |  |  |  |  |
| Mod.      | QPSK                        | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 9.29                        | 9.29  | 9.31  | 9.25   |  |  |  |  |

| Mode      | FR1 n2 : OBW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|-----------------------------|-------|-------|--------|--|--|--|--|
| BW        | 15MHz                       | 15MHz | 15MHz | 15MHz  |  |  |  |  |
| Mod.      | QPSK                        | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 14.18                       | 14.15 | 14.12 | 14.06  |  |  |  |  |

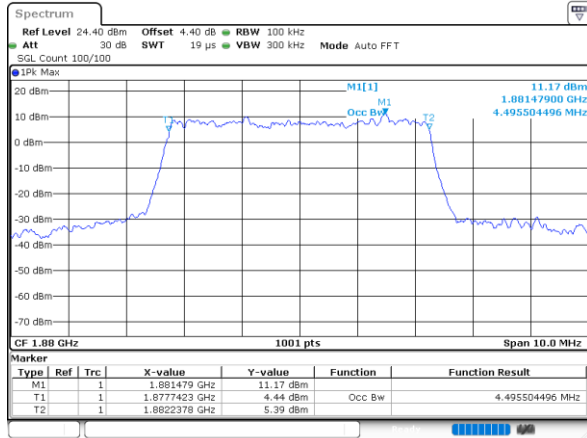
| Mode      | FR1 n2 : OBW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|-----------------------------|-------|-------|--------|--|--|--|--|
| BW        | 20MHz                       | 20MHz | 20MHz | 20MHz  |  |  |  |  |
| Mod.      | QPSK                        | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 18.98                       | 18.90 | 18.94 | 18.90  |  |  |  |  |



## FR1 n2 / 5MHz / CP-OFDM

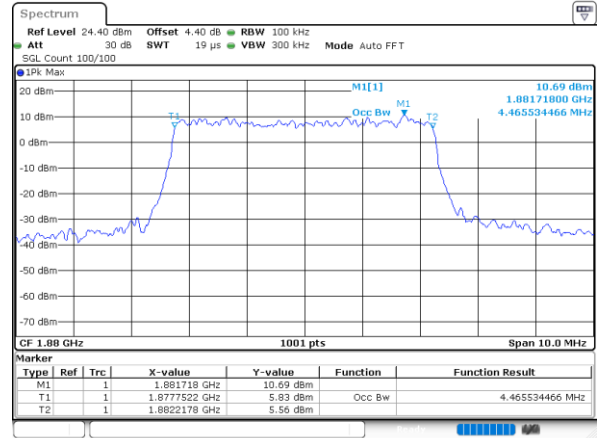
## QPSK

## Middle Channel



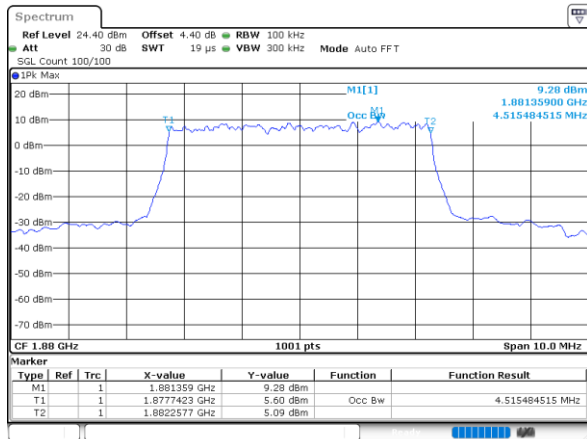
## 16QAM

## Middle Channel



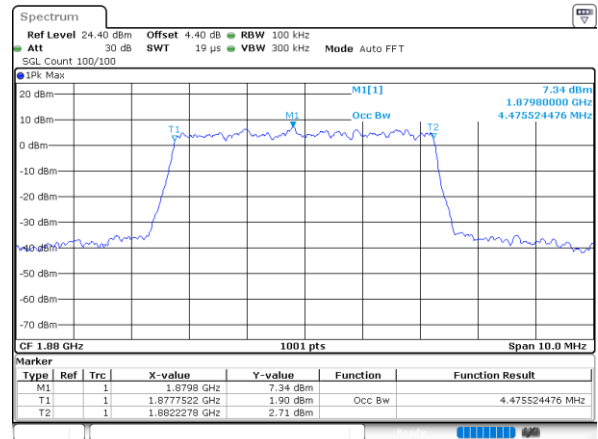
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

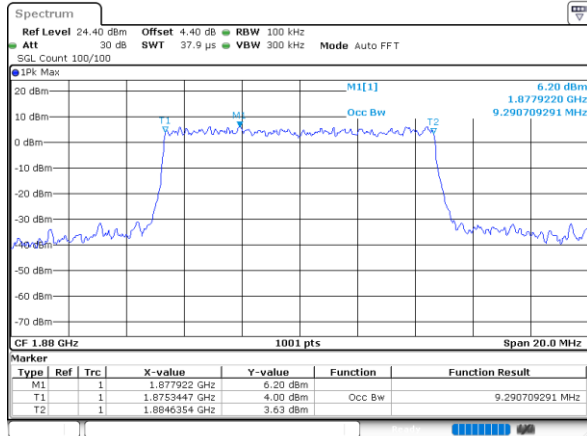




## FR1 n2 / 10MHz / CP-OFDM

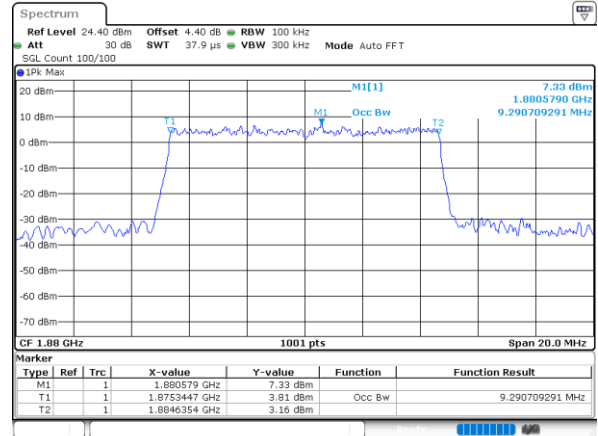
## QPSK

## Middle Channel



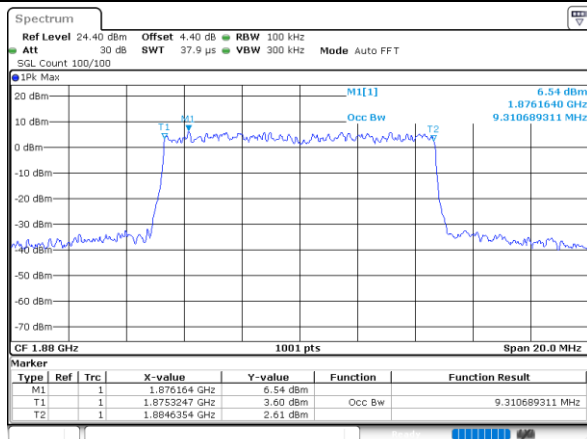
## 16QAM

## Middle Channel



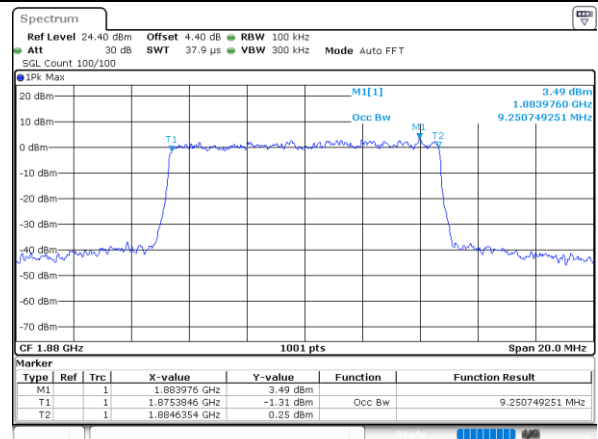
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

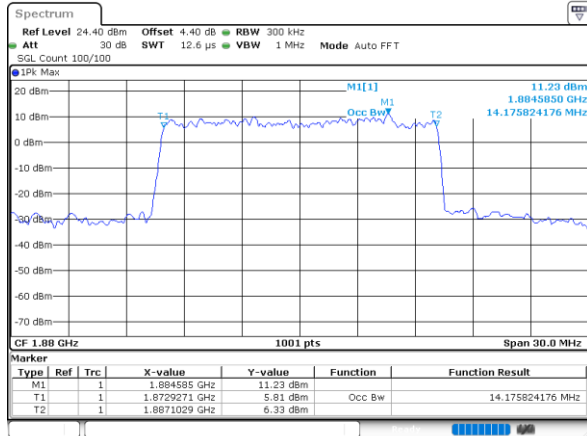




## FR1 n2 / 15MHz / CP-OFDM

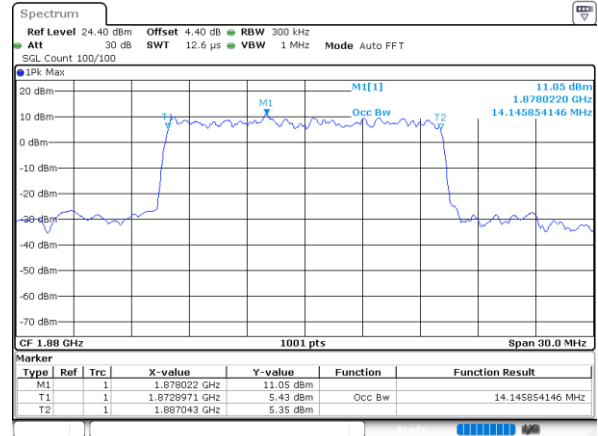
## QPSK

## Middle Channel



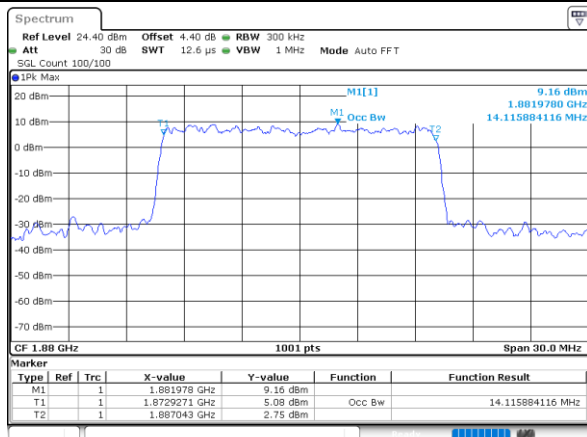
## 16QAM

## Middle Channel



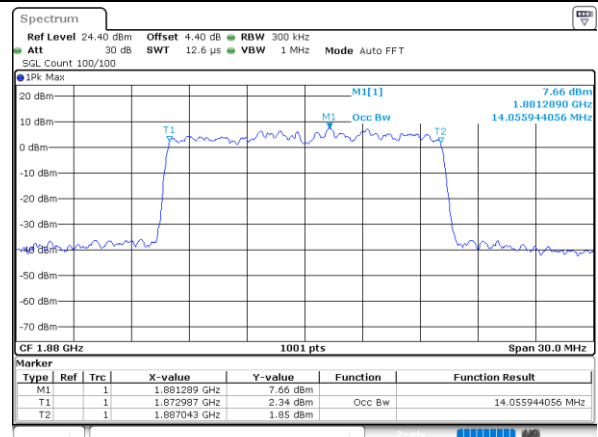
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

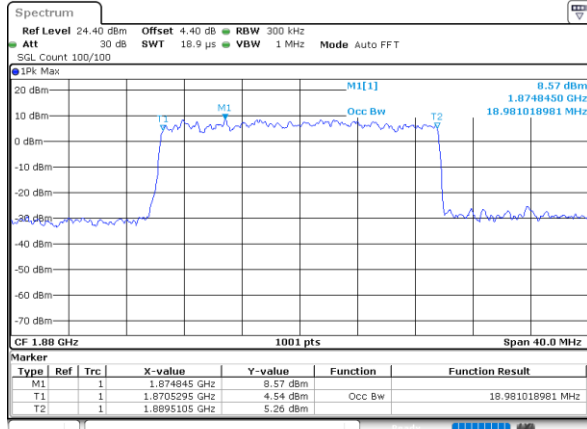




## FR1 n2 / 20MHz / CP-OFDM

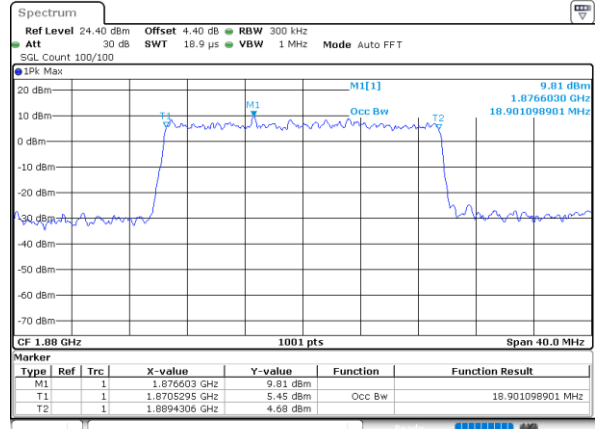
## QPSK

## Middle Channel



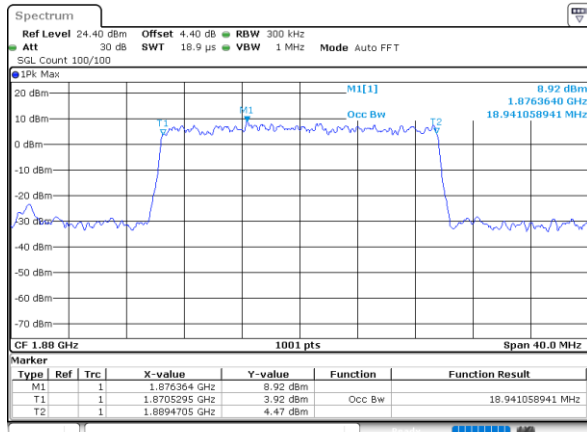
## 16QAM

## Middle Channel



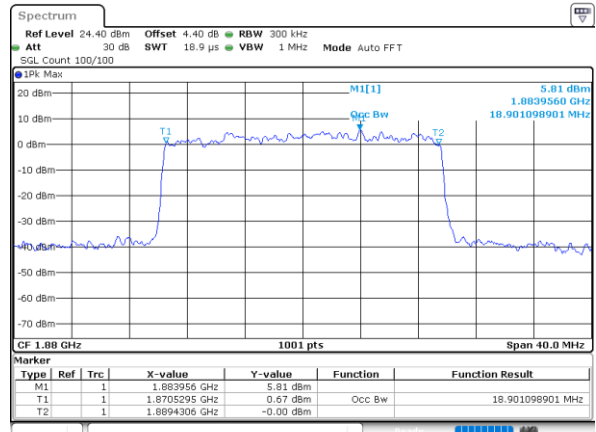
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel



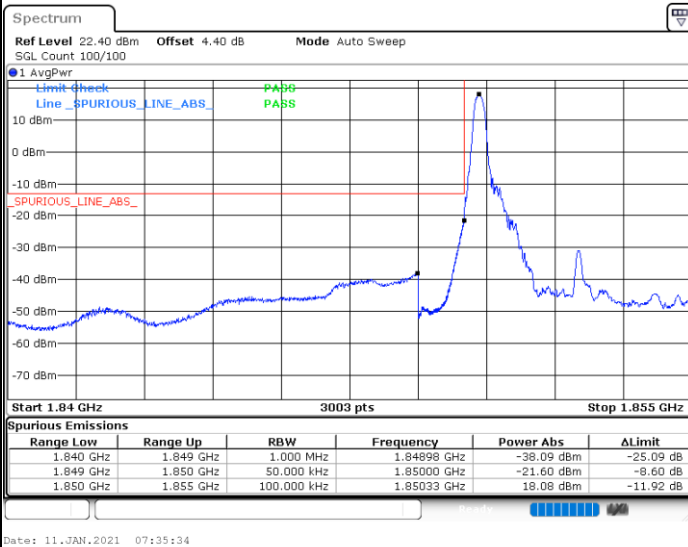


## Conducted Band Edge

FR1 n2 / 5MHz / DFT-S OFDM BPSK

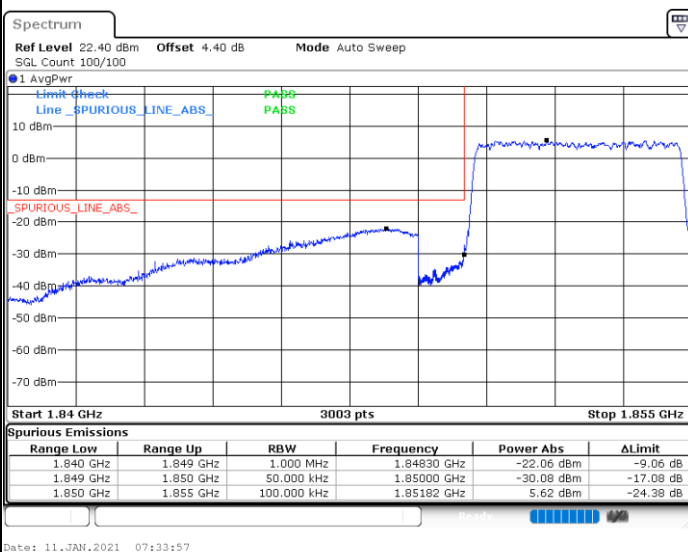
Lowest Band Edge / 1 RB

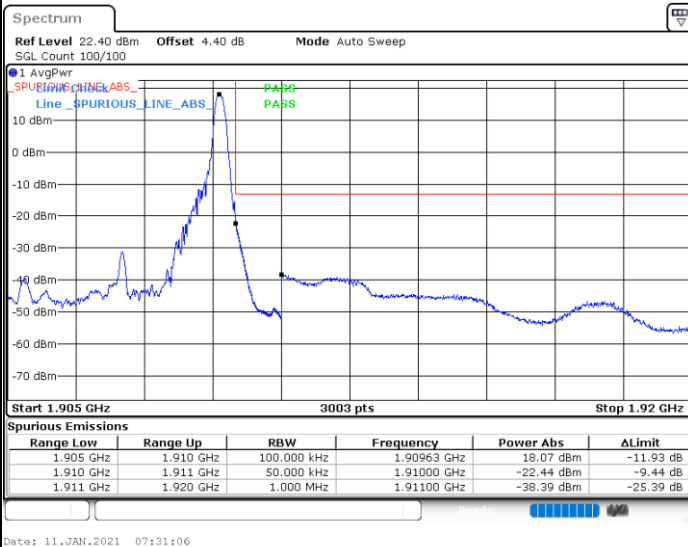
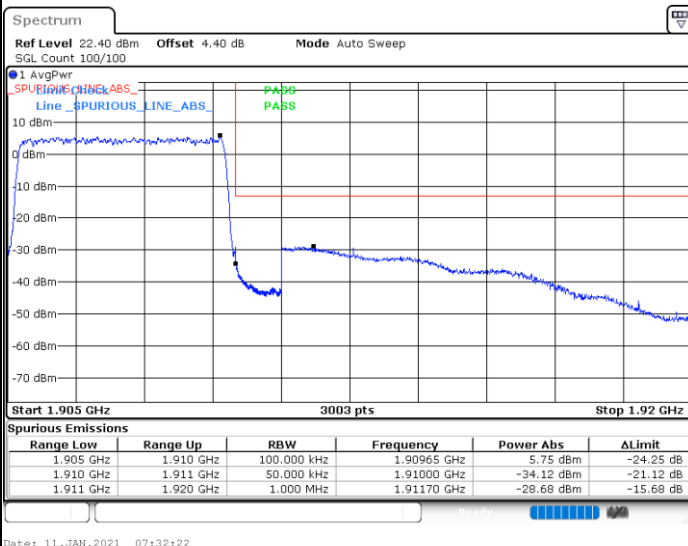
Channel Power &lt; -13dBm Pass



Lowest Band Edge / Full RB

Channel Power &lt; -13dBm Pass



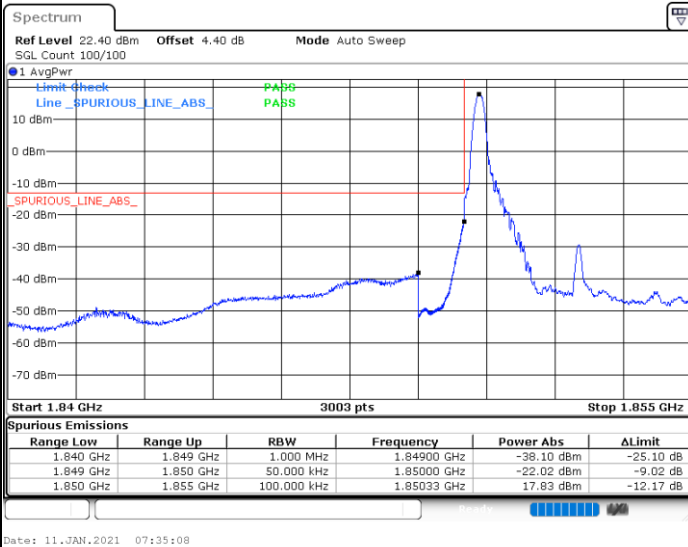
**FR1 n2 / 5MHz / DFT-S OFDM BPSK****Highest Band Edge / 1 RB****Channel Power < -13dBm Pass****Highest Band Edge / Full RB****Channel Power < -13dBm Pass**



## FR1 n2 / 5MHz / DFT-S OFDM QPSK

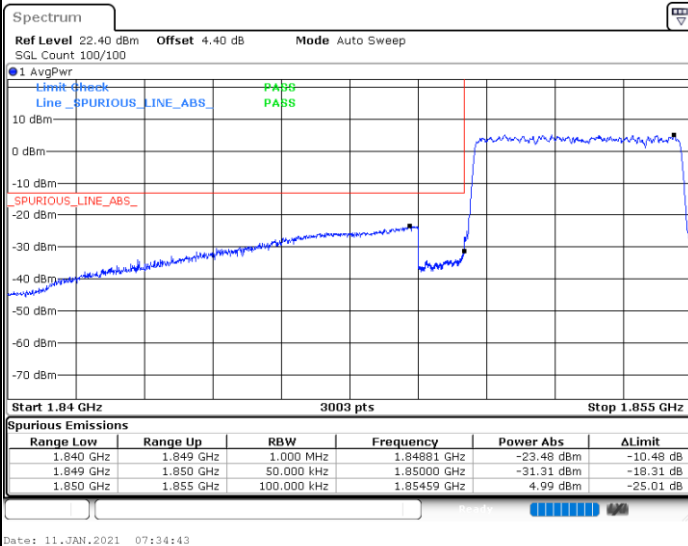
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

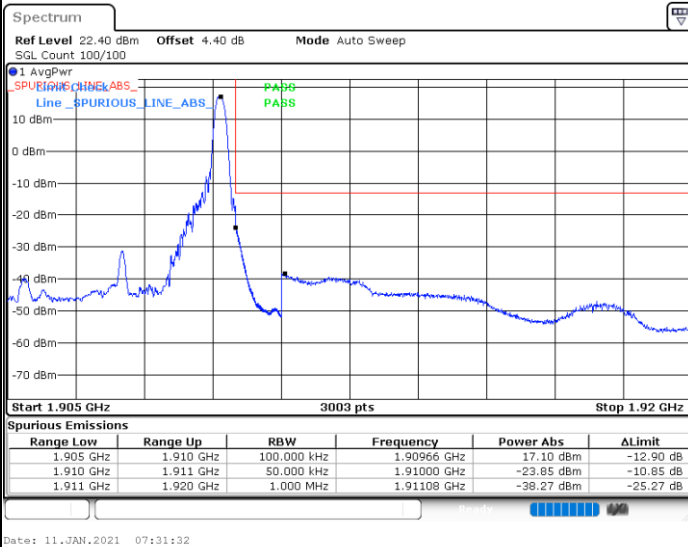




## FR1 n2 / 5MHz / DFT-S OFDM QPSK

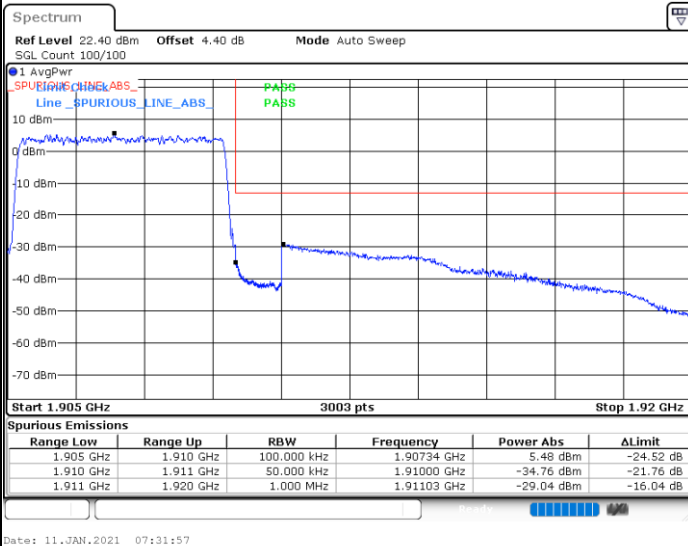
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

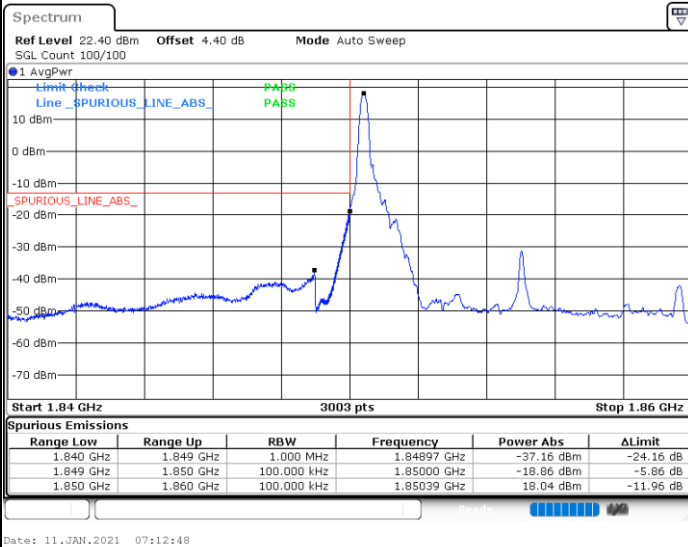




## FR1 n2 / 10MHz / DFT-S OFDM BPSK

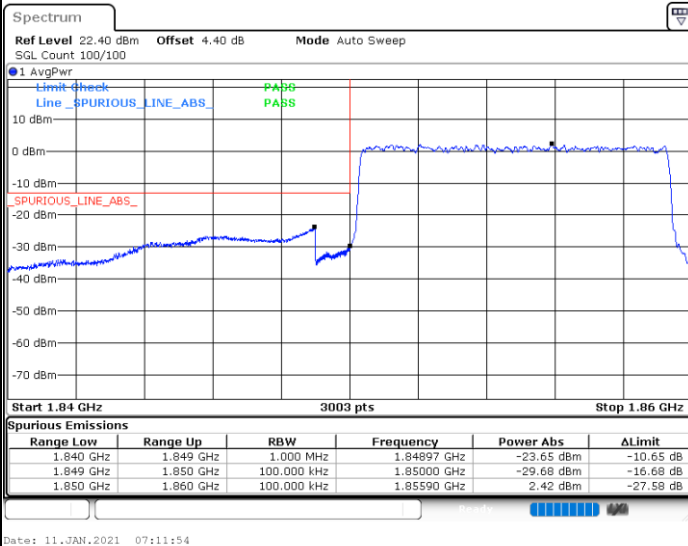
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

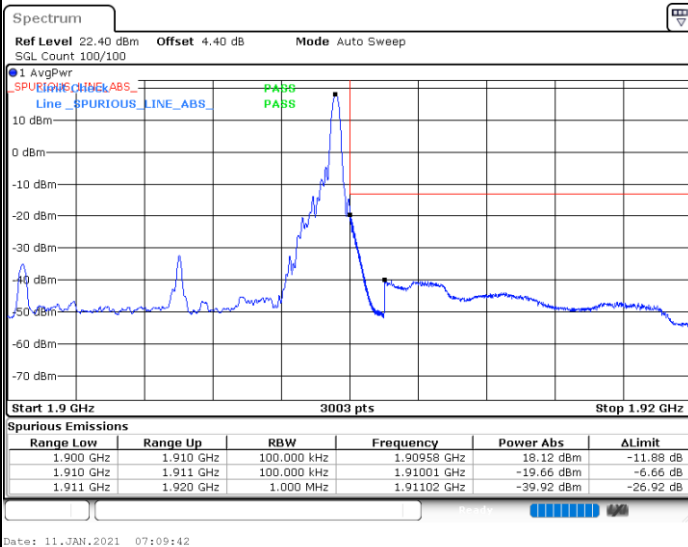




## FR1 n2 / 10MHz / DFT-S OFDM BPSK

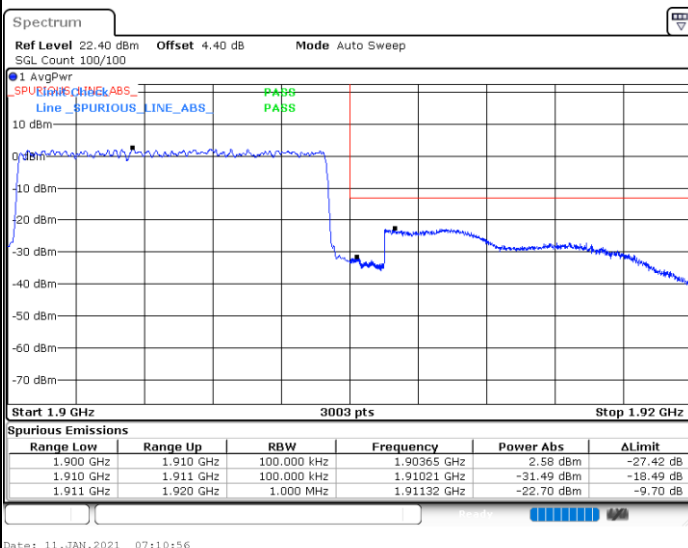
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

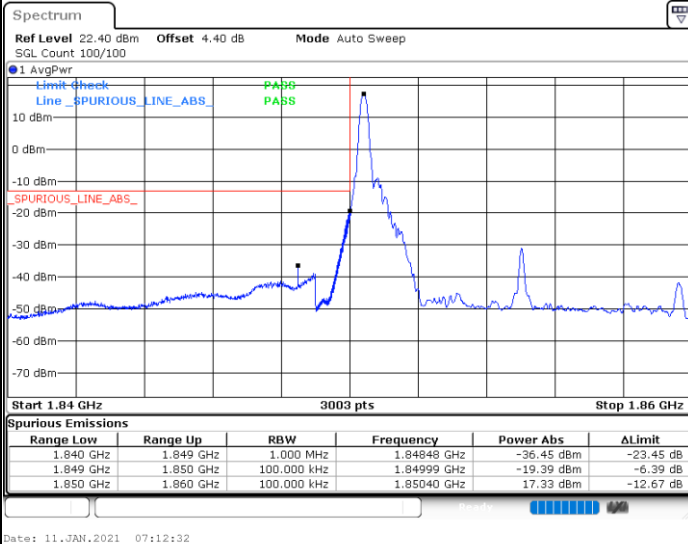




## FR1 n2 / 10MHz / DFT-S OFDM QPSK

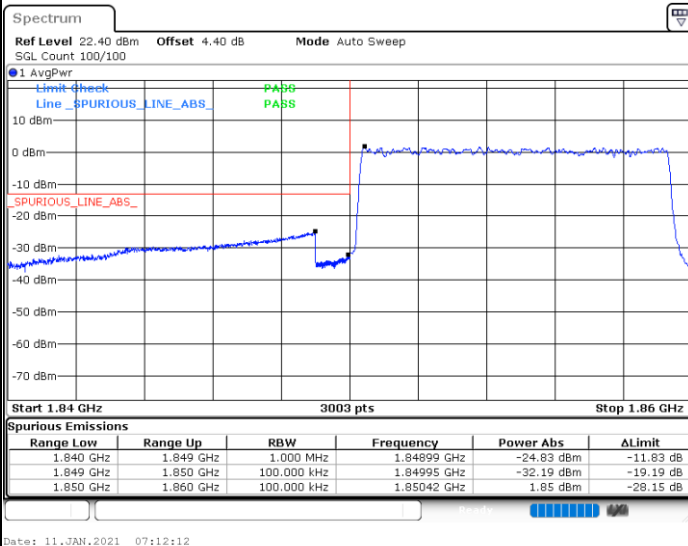
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

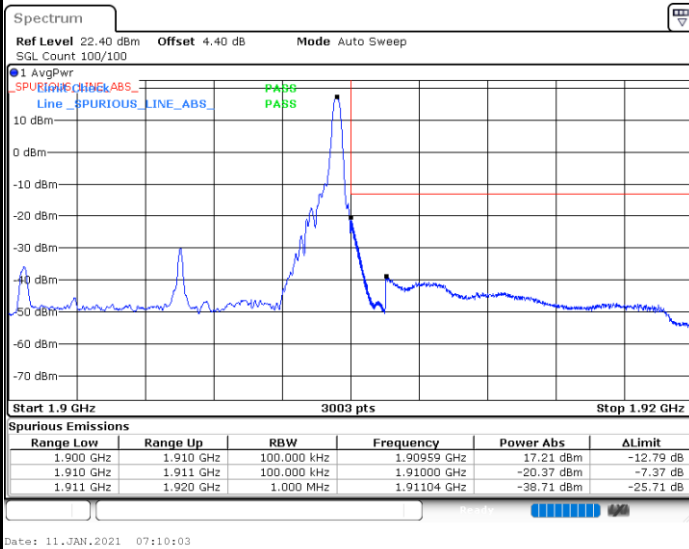




## FR1 n2 / 10MHz / DFT-S OFDM QPSK

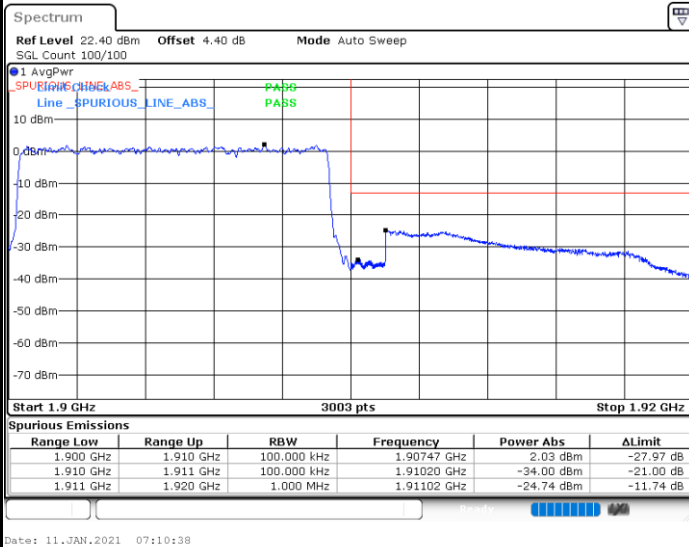
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

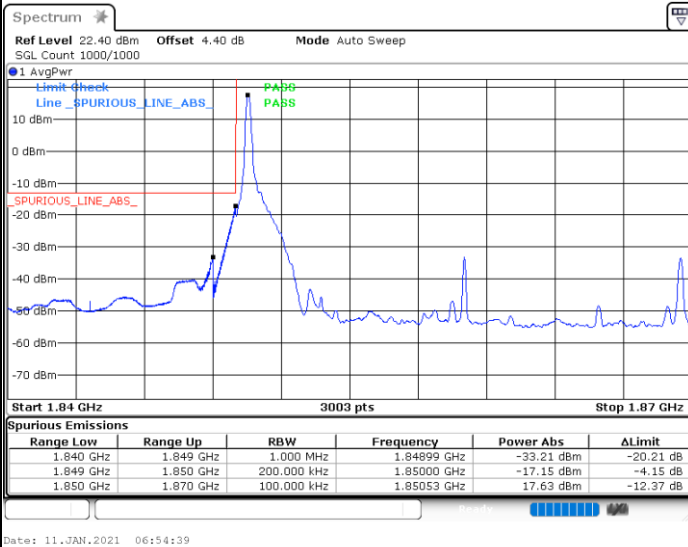




## FR1 n2 / 20MHz / DFT-S OFDM BPSK

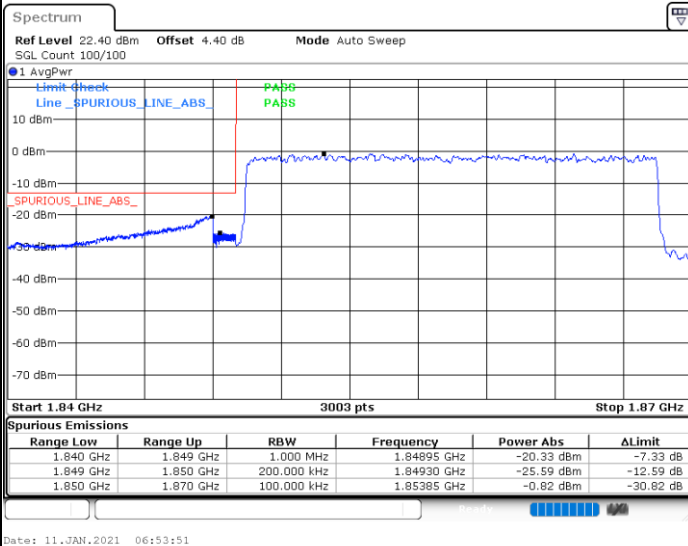
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

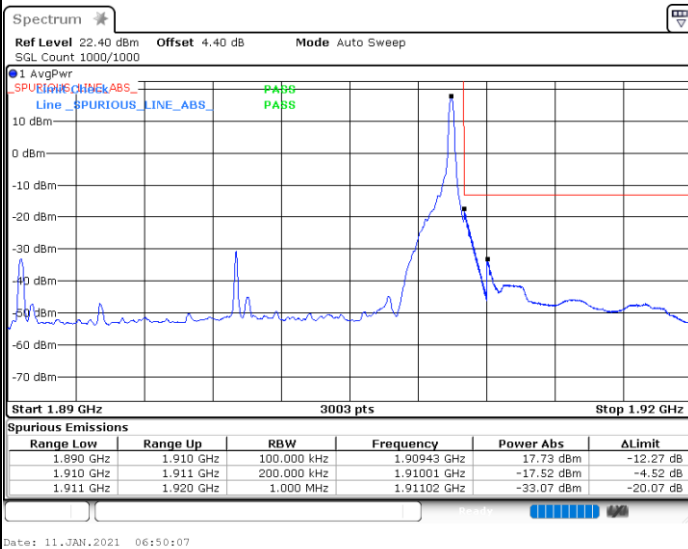




## FR1 n2 / 20MHz / DFT-S OFDM BPSK

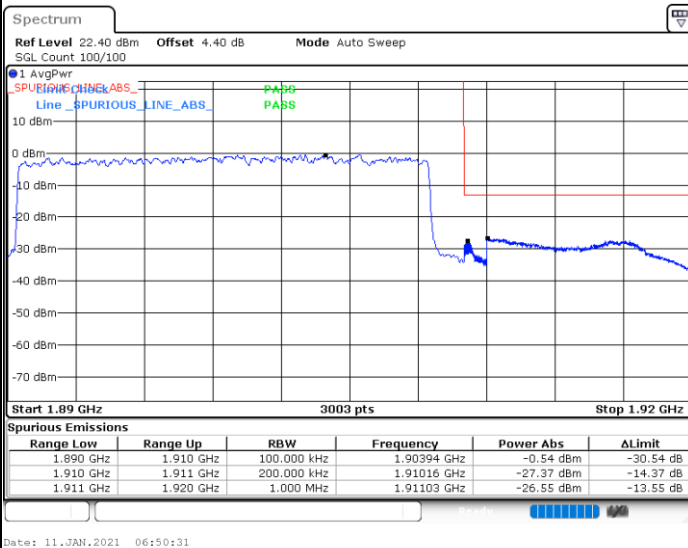
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

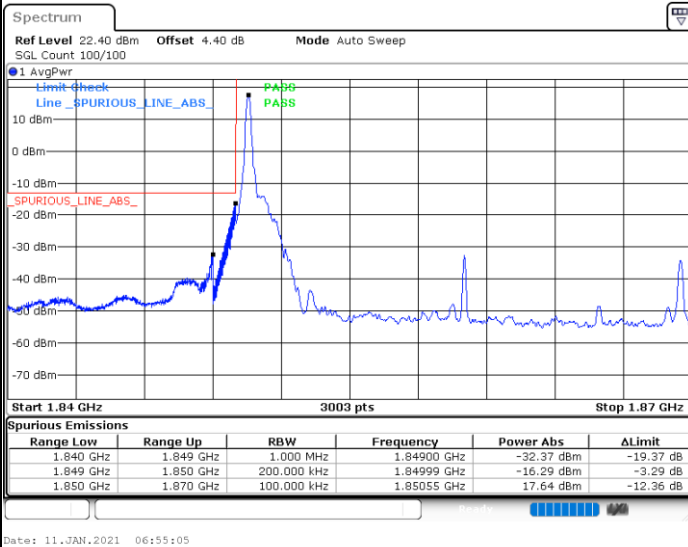




## FR1 n2 / 20MHz / DFT-S OFDM QPSK

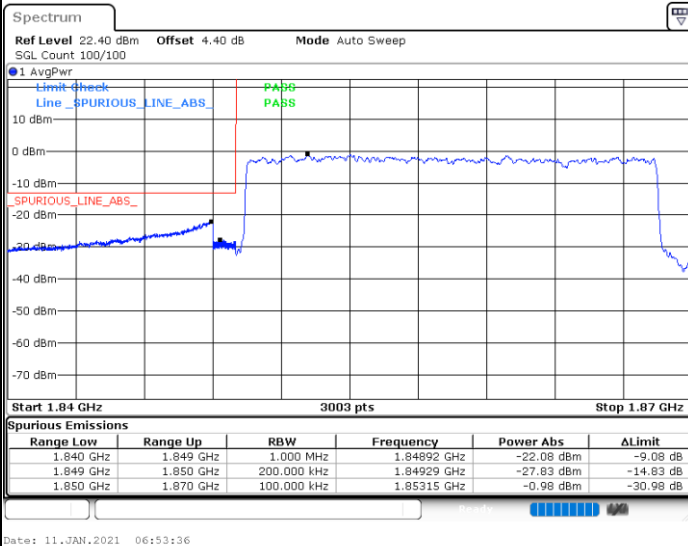
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

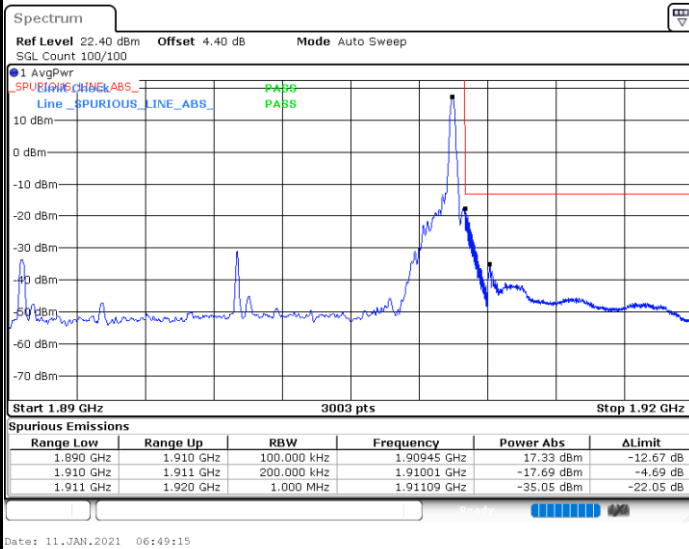




## FR1 n2 / 20MHz / DFT-S OFDM QPSK

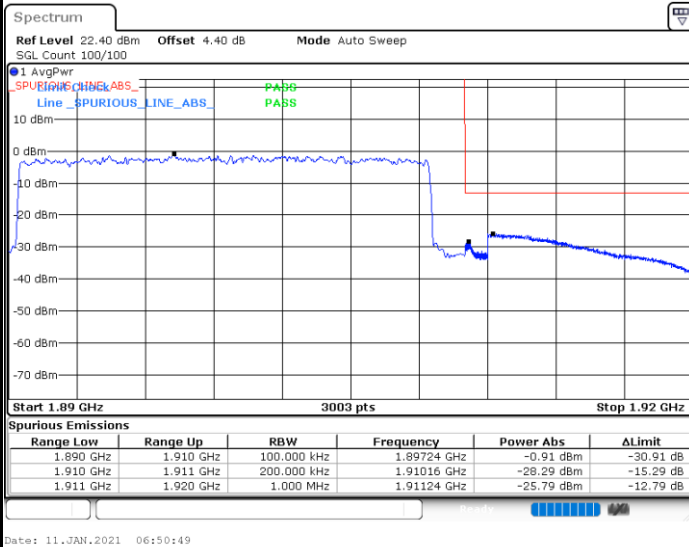
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass



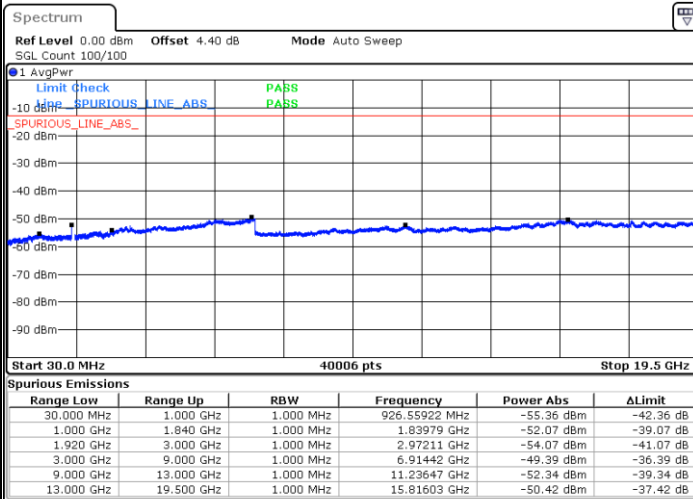


# Conducted Spurious Emission

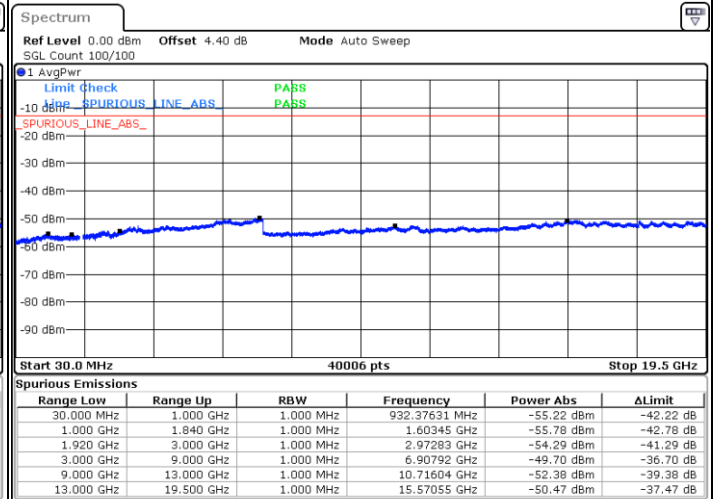
FR1 n2 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

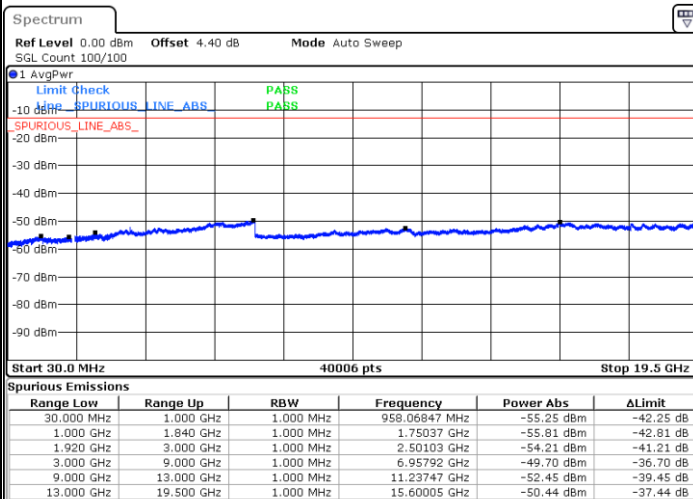


Date: 11.JAN.2021 07:25:19



Date: 11.JAN.2021 07:27:09

Highest Channel / 1RB

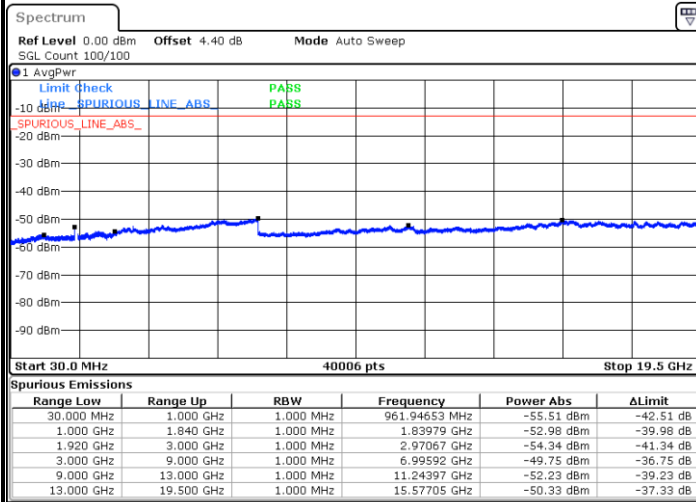


Date: 11.JAN.2021 07:30:32



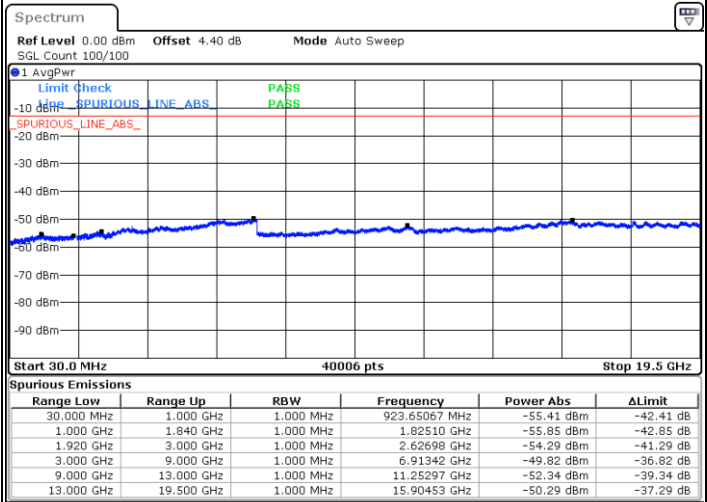
## FR1 n2 / 5MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB



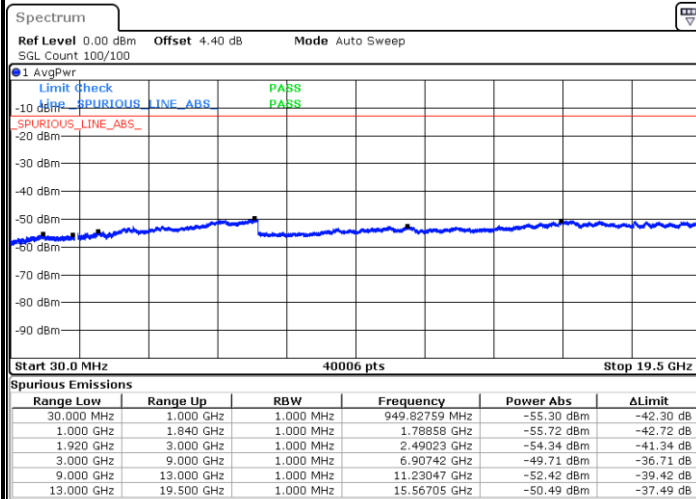
Date: 11.JAN.2021 07:23:47

## Middle Channel / 1RB



Date: 11.JAN.2021 07:27:58

## Highest Channel / 1RB

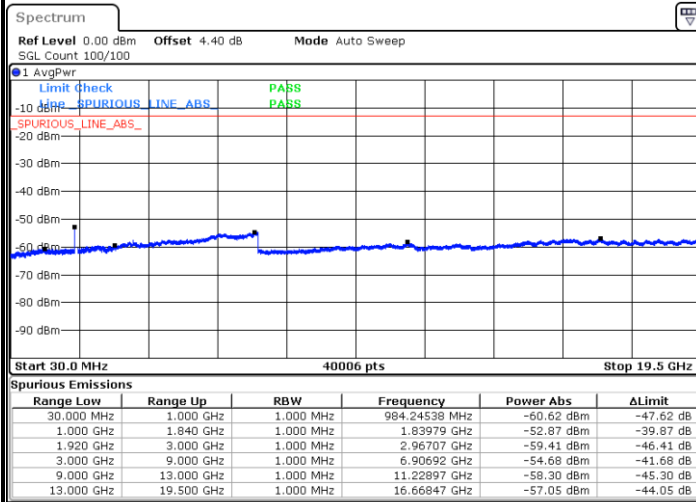


Date: 11.JAN.2021 07:29:44



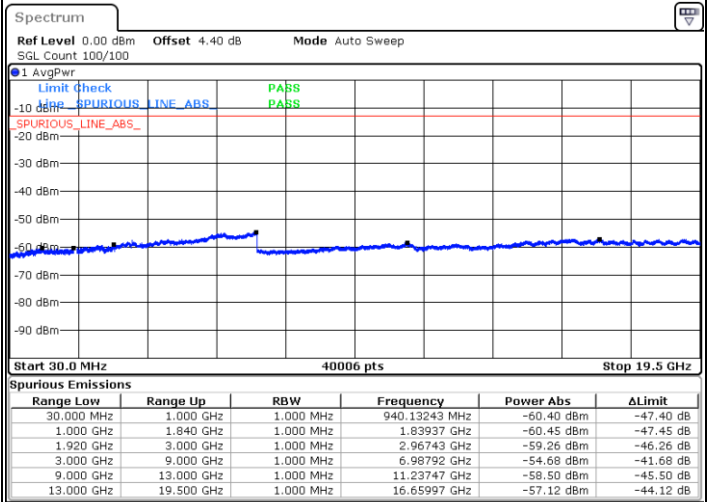
## FR1 n2 / 10MHz / DFT-S OFDM / BPSK

## Lowest Channel / 1RB



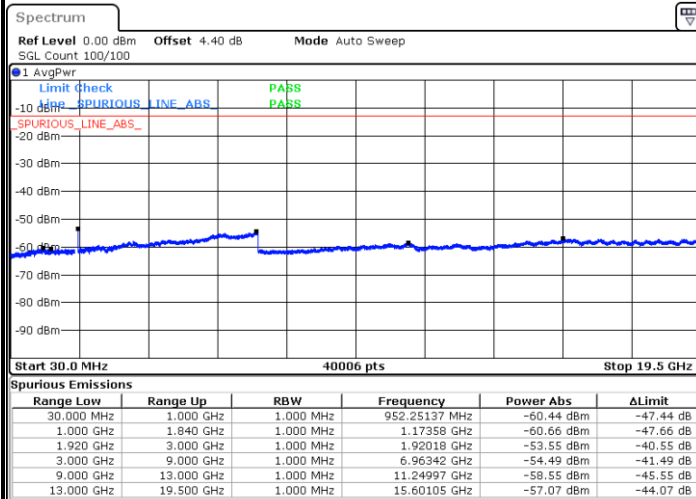
Date: 11.JAN.2021 07:03:36

## Middle Channel / 1RB



Date: 11.JAN.2021 07:05:14

## Highest Channel / 1RB

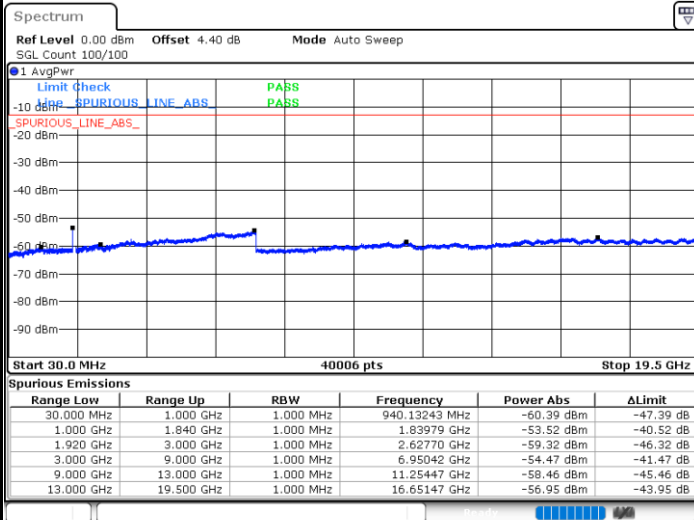


Date: 11.JAN.2021 07:09:12



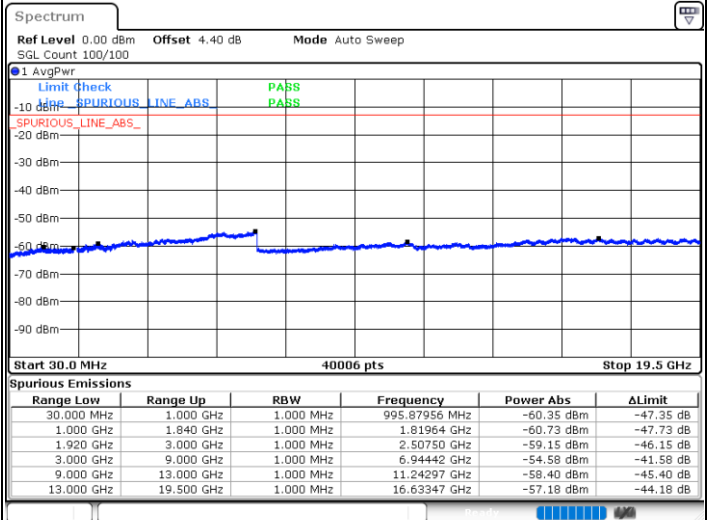
## FR1 n2 / 10MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB



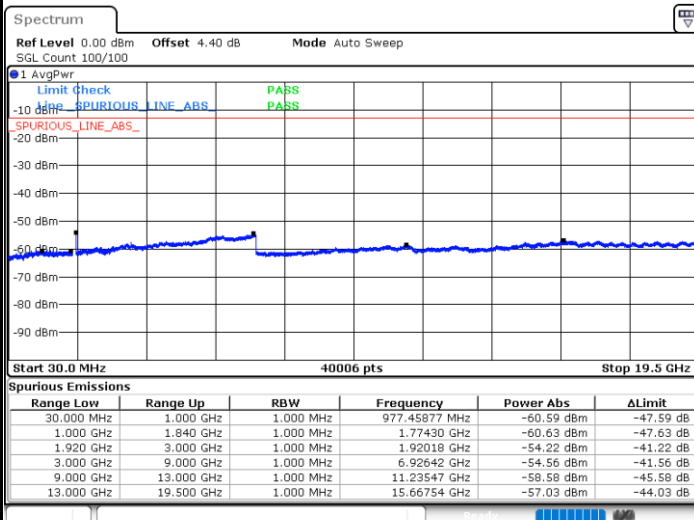
Date: 11.JAN.2021 07:02:02

## Middle Channel / 1RB



Date: 11.JAN.2021 07:06:08

## Highest Channel / 1RB

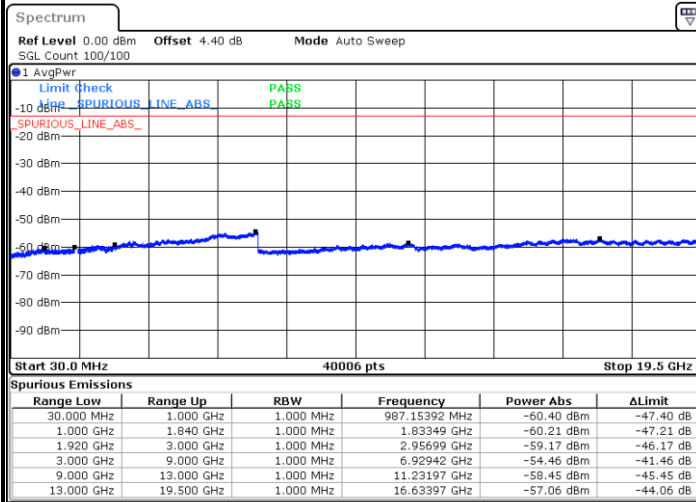


Date: 11.JAN.2021 07:08:26



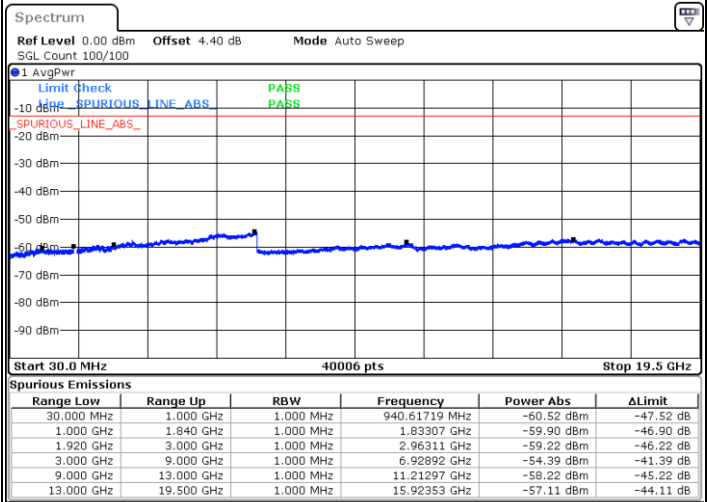
## FR1 n2 / 20MHz / DFT-S OFDM / BPSK

## Lowest Channel / 1RB



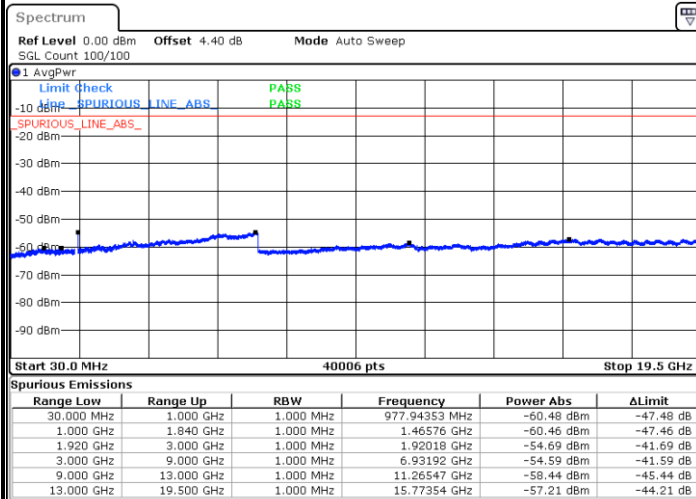
Date: 11.JAN.2021 06:42:57

## Middle Channel / 1RB



Date: 11.JAN.2021 06:46:22

## Highest Channel / 1RB

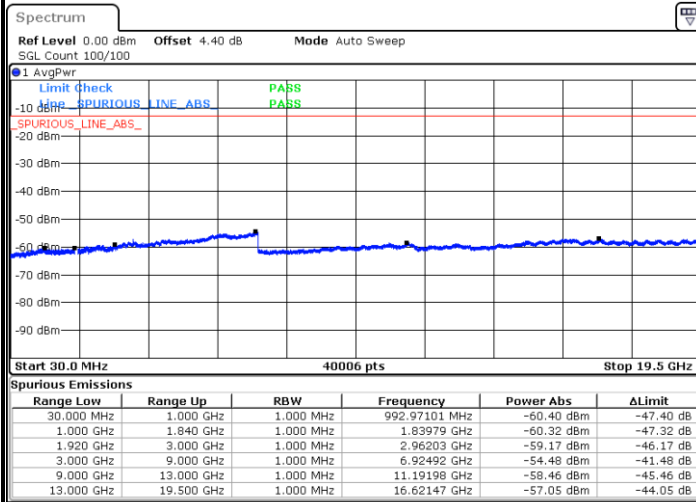


Date: 11.JAN.2021 06:48:05



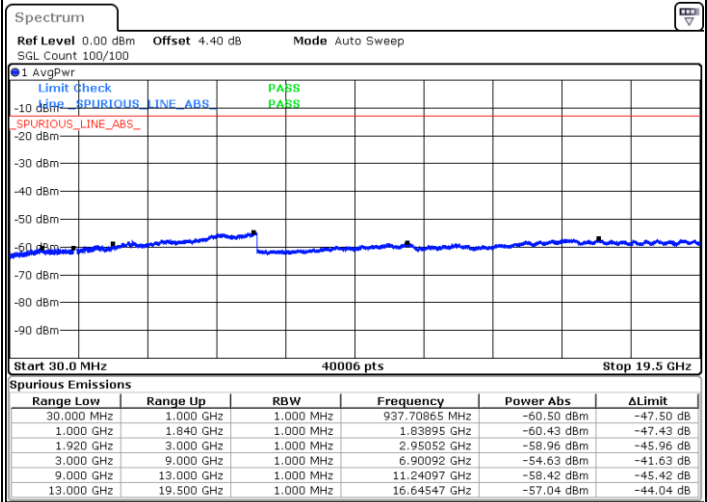
## FR1 n2 / 20MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB



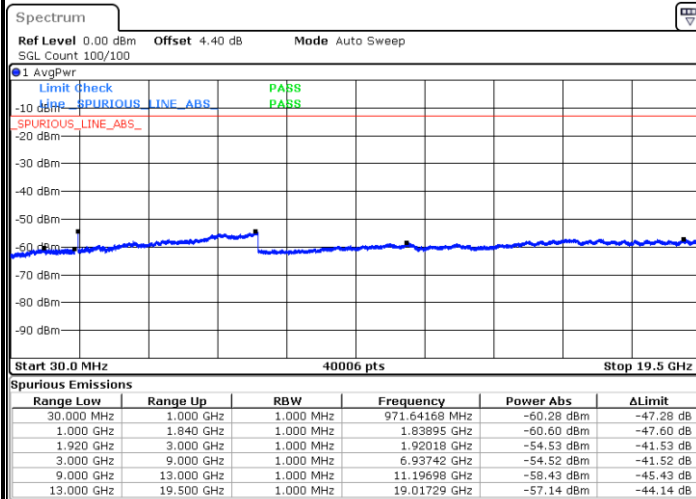
Date: 11.JAN.2021 06:44:49

## Middle Channel / 1RB



Date: 11.JAN.2021 06:45:37

## Highest Channel / 1RB



Date: 11.JAN.2021 06:48:51

## Frequency Stability

| Test Conditions  |                   | NR n2 (BPSK) / Middle Channel | Limit       |
|------------------|-------------------|-------------------------------|-------------|
| Temperature (°C) | Voltage (Volt)    | BW 20MHz                      | Within Band |
|                  |                   | Deviation (ppm)               | Result      |
| 50               | Normal Voltage    | 0.0015                        | PASS        |
| 40               | Normal Voltage    | 0.0017                        |             |
| 30               | Normal Voltage    | 0.0012                        |             |
| 20(Ref.)         | Normal Voltage    | 0.0013                        |             |
| 10               | Normal Voltage    | 0.0018                        |             |
| 0                | Normal Voltage    | 0.0012                        |             |
| -10              | Normal Voltage    | 0.0019                        |             |
| -20              | Normal Voltage    | 0.0015                        |             |
| -30              | Normal Voltage    | 0.0011                        |             |
| 20               | Maximum Voltage   | 0.0019                        |             |
| 20               | Normal Voltage    | 0.0015                        |             |
| 20               | Battery End Point | 0.0011                        |             |

**Note:**

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## FR1 n2 NSA

**Peak-to-Average Ratio**

| Mode       | FR1 n2+5A / 20MHz / DFT-S OFDM |           |      |         |             |
|------------|--------------------------------|-----------|------|---------|-------------|
| Mod.       | PI/2 BPSK                      | PI/2 BPSK | QPSK | QPSK    | Limit: 13dB |
| RB Size    | 1RB                            | Full RB   | 1RB  | Full RB | Result      |
| Lowest CH  | 3.30                           | 4.49      | 4.99 | 5.77    | PASS        |
| Middle CH  | 3.65                           | 4.03      | 5.48 | 5.59    |             |
| Highest CH | 3.57                           | 3.59      | 5.39 | 5.04    |             |