

# TEST REPORT

FCC MPE Test for eROU\_40403434L2\_X  
Certification

**APPLICANT**  
SOLiD, Inc.

**REPORT NO.**  
HCT-RF-2310-FC082

**DATE OF ISSUE**  
October 20, 2023

**Tested by**  
Sang Su Lee



**Technical Manager**  
Jong Seok Lee



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*BongJai Huh*  
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# TEST REPORT

FCC MPE Test for  
eROU\_40403434L2\_X

## REPORT NO.

HCT-RF-2310-FC082

## DATE OF ISSUE

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## Additional Model

eROU\_40403434L1\_N, eROU\_40403434L1\_X, eROU\_40403434L2\_N

## Applicant

### SOLiD, Inc.

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Gyeonggi-do, 463-400, South Korea

## Eut Type Model Name

DAS System

eROU\_40403434L2\_X

## FCC ID

W6UER40403434

The result shown in this test report refer only to the sample(s) tested unless  
otherwise stated.

This test results were applied only to the test methods required by the  
standard.

## REVISION HISTORY

The revision history for this test report is shown in table.

| Revision No. | Date of Issue    | Description     |
|--------------|------------------|-----------------|
| 0            | October 20, 2023 | Initial Release |

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

### Test Report Statement:

The above Test Report is not related to the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme) / A2LA(American Association for Laboratory Accreditation)(4114.01), which signed the ILAC-MRA.

If this report is required to confirmation of authenticity, please contact to [www.hct.co.kr](http://www.hct.co.kr)



## RF Exposure Statement

### 1. LIMITS

According to § 1.1310 and § 2.1091 RF exposure is calculated.

| (B) Limits for General Population/Uncontrolled Exposures |                                     |                                  |                                        |                             |
|----------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------------|-----------------------------|
| Frequency range<br>(MHz)                                 | Electric field<br>Strength<br>(V/m) | Magnetic field<br>Strength (A/m) | Power density<br>(mW/cm <sup>2</sup> ) | Averaging time<br>(minutes) |
| 0.3 - 1.34.....                                          | 614                                 | 1.63                             | <sup>(a)</sup> (100)                   | 30                          |
| 1.34 - 30.....                                           | 824/f                               | 2.19/f                           | <sup>(a)</sup> (180/f <sup>2</sup> )   | 30                          |
| 30 - 300.....                                            | 27.5                                | 0.073                            | 0.2                                    | 30                          |
| 300 - 1500.....                                          | .....                               | .....                            | f/1500                                 | 30                          |
| 1500 - 100.000.....                                      | .....                               | .....                            | 1.0                                    | 30                          |

F = frequency in MHz

<sup>(a)</sup> = Plane-wave equivalent power density

### 2. MAXIMUM PERMISSIBLE EXPOSURE Prediction

Prediction of MPE limit at a given distance

$$S = PG/4\pi R^2$$

S = Power density

P = power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

### 3. Result(3.45 GHz Service)

#### [External, SISO]

##### - C-Band 5G NR 20 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.0882   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

##### - C-Band 5G NR 40 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.0882   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 60 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.0882   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 80 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.0882   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |



- C-Band 5G NR 100 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.0882   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

**[External, MIMO]**

- C-Band 5G NR 20 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.3510   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 40 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.3510   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 60 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.3510   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 80 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.3510   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 100 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.3510   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

**[Internal, SISO]**

- C-Band 5G NR 20 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0062   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 40 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0062   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 60 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0062   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 80 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0062   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 100 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 23.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 199.53   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0062   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

**[Internal, MIMO]**

- C-Band 5G NR 20 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0249   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 40 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0249   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 60 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0249   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 80 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0249   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 100 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 26.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 398.11   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 450.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0249   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

#### 4. Result(3.7 GHz Service)

##### [External, SISO]

##### - C-Band 5G NR 20 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.1397   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

##### - C-Band 5G NR 40 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.1397   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 60 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.1397   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 80 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.1397   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 100 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 17.00    | dBi                |
| Antenna Gain(numeric)                                       | 50.12    | -                  |
| Power density at prediction frequency(S)                    | 0.1397   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

**[External, MIMO]**

- C-Band 5G NR 20 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.5563   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 40 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.5563   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 60 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.5563   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 80 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.5563   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 100 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 20.00    | dBi                |
| Antenna Gain(numeric)                                       | 100.00   | -                  |
| Power density at prediction frequency(S)                    | 0.5563   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

**[Internal, SISO]**

- C-Band 5G NR 20 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0099   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 40 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0099   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 60 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0099   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 80 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0099   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 100 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| Max Peak output Power at antenna input terminal             | 25.00    | dBm                |
| Max Peak output Power at antenna input terminal             | 316.23   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 5.50     | dBi                |
| Antenna Gain(numeric)                                       | 3.55     | -                  |
| Power density at prediction frequency(S)                    | 0.0099   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

**[Internal, MIMO]**

- C-Band 5G NR 20 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0394   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 40 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0394   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 60 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0394   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 80 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0394   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

- C-Band 5G NR 100 MHz (Downlink)

|                                                             |          |                    |
|-------------------------------------------------------------|----------|--------------------|
| MIMO Max Peak output Power at antenna input terminal        | 28.00    | dBm                |
| MIMO Max Peak output Power at antenna input terminal        | 630.96   | mW                 |
| Prediction distance                                         | 95.00    | cm                 |
| Prediction frequency                                        | 3 700.00 | MHz                |
| Antenna Gain(typical)                                       | 8.50     | dBi                |
| Antenna Gain(numeric)                                       | 7.08     | -                  |
| Power density at prediction frequency(S)                    | 0.0394   | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000   | mW/cm <sup>2</sup> |

**Simultaneous band emission conditions**

**[Downlink\_External]**

| Band             | MPE Ratio (Power density / Limit) | Sum of MPE Ratio |     |
|------------------|-----------------------------------|------------------|-----|
| 3.45 GHz Service | 0.3510                            | 0.9073           | ≤ 1 |
| 3.7 GHz Service  | 0.5563                            |                  |     |

**[Downlink\_Internal]**

| Band             | MPE Ratio (Power density / Limit) | Sum of MPE Ratio |     |
|------------------|-----------------------------------|------------------|-----|
| 3.45 GHz Service | 0.0249                            | 0.0643           | ≤ 1 |
| 3.7 GHz Service  | 0.0394                            |                  |     |

**\*Note**

1. The result of each band was applied to the worst value.
2. MPE ratios are calculated as  

$$[(\text{Power density1} / \text{MPE Limit}) + [(\text{Power density2} / \text{MPE Limit}) + \dots] \leq 1$$