

# TEST REPORT

FCC MPE Test for RF2216d-D1A  
Certification

**APPLICANT**  
SAMSUNG Electronics Co., Ltd.

**REPORT NO.**  
HCT-RF-2112-FC003

**DATE OF ISSUE**  
December 1, 2021

**Tested by**  
Kyung Soo Kang



**Technical Manager**  
Jong Seok Lee



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# TEST REPORT

FCC MPE Test for  
RF2216d-D1A

**REPORT NO.**

HCT-RF-2112-FC003

**DATE OF ISSUE**

December 01, 2021

**Additional Model**

-

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

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

**Eut Type  
Model Name**

RRU(RF2216d)  
RF2216d-D1A

**FCC ID**

A3LRF2216D-D1A

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            | December 01, 2021 | 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.

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. Limit

According to § 1.1310, § 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                             | *(100)                                 | 30                          |
| 1.34 - 30.....                                           | 824/f                               | 2.19/f                           | *(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

\* = 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. RESULTS

#### 3.1 MPE calculation for standalone operations

- B13 LTE 5 MHz 1 Carrier

|                                                             |        |                    |
|-------------------------------------------------------------|--------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00  | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11 | mW                 |
| Prediction distance                                         | 24.00  | cm                 |
| Prediction frequency                                        | 746.00 | MHz                |
| Antenna Gain(typical)                                       | 7.50   | dBi                |
| Antenna Gain(numeric)                                       | 5.623  | -                  |
| Power density at prediction frequency( S)                   | 0.3093 | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 0.4973 | mW/cm <sup>2</sup> |

- B13 LTE 10 MHz 1 Carrier

|                                                             |        |                    |
|-------------------------------------------------------------|--------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00  | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11 | mW                 |
| Prediction distance                                         | 24.00  | cm                 |
| Prediction frequency                                        | 746.00 | MHz                |
| Antenna Gain(typical)                                       | 7.50   | dBi                |
| Antenna Gain(numeric)                                       | 5.623  | -                  |
| Power density at prediction frequency( S)                   | 0.3093 | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 0.4973 | mW/cm <sup>2</sup> |

## - 5G NR B13 5 MHz 1 Carrier

|                                                             |        |                    |
|-------------------------------------------------------------|--------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00  | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11 | mW                 |
| Prediction distance                                         | 24.00  | cm                 |
| Prediction frequency                                        | 746.00 | MHz                |
| Antenna Gain(typical)                                       | 7.50   | dBi                |
| Antenna Gain(numeric)                                       | 5.623  | -                  |
| Power density at prediction frequency( S)                   | 0.3093 | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 0.4973 | mW/cm <sup>2</sup> |

## - 5G NR B13 10 MHz 1 Carrier

|                                                             |        |                    |
|-------------------------------------------------------------|--------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00  | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11 | mW                 |
| Prediction distance                                         | 24.00  | cm                 |
| Prediction frequency                                        | 746.00 | MHz                |
| Antenna Gain(typical)                                       | 7.50   | dBi                |
| Antenna Gain(numeric)                                       | 5.623  | -                  |
| Power density at prediction frequency( S)                   | 0.3093 | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 0.4973 | mW/cm <sup>2</sup> |

- B66 LTE 5 MHz 1 Carrier

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

- B66 LTE 10 MHz 1 Carrier

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 15 MHz 1 Carrier

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 5 MHz 1 Carrier

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 10 MHz 1 Carrier

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 15 MHz 1 Carrier

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 5 MHz 1 Carrier + 5G NR B66 5 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier + 5G NR B66 5 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier + 5G NR B66 10 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier + 5G NR B66 5 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier + 5G NR B66 10 MHz 1 Carrier [2 Carrier] (Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 5 MHz 1 Carrier + 5G NR B66 5 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier + 5G NR B66 5 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier + 5G NR B66 10 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - 5G NR B66 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier + 5G NR B66 5 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

## - B66 LTE 20 MHz 1 Carrier + 5G NR B66 10 MHz 1 Carrier [2 Carrier] (Non-Contiguous)

|                                                             |         |                    |
|-------------------------------------------------------------|---------|--------------------|
| Max Peak output Power at antenna input terminal             | 26.00   | dBm                |
| Max Peak output Power at antenna input terminal             | 398.11  | mW                 |
| Prediction distance                                         | 24.00   | cm                 |
| Prediction frequency                                        | 2110.00 | MHz                |
| Antenna Gain(typical)                                       | 8.00    | dBi                |
| Antenna Gain(numeric)                                       | 6.310   | -                  |
| Power density at prediction frequency( S)                   | 0.3470  | mW/cm <sup>2</sup> |
| MPE limit for uncontrolled exposure at prediction frequency | 1.0000  | mW/cm <sup>2</sup> |

### 3.2 Simultaneous band emission conditions

| Band | MPE Ratio (Power density / Limit) | Sum of MPE Ratio |     |
|------|-----------------------------------|------------------|-----|
| B13  | 0.6219                            | 0.9689           | ≤ 1 |
| B66  | 0.3470                            |                  |     |

**\*Note**

1. The result of each band was applied to the worst value.
2. MPE ratios are calculated as  
$$[(\text{Power density1} / \text{MPE Limit}) + [(\text{Power density2} / \text{MPE Limit}) + \dots] \leq 1$$