

# RF Exposure Evaluation Report

**APPLICANT** : Nextivity, Inc.  
**EQUIPMENT** : SHIELD MegaFi 2  
**BRAND NAME** : Nextivity  
**MODEL NAME** : M4D-UC  
**FCC ID** : YETM4D-UC  
**STANDARD** : 47 CFR Part 2.1091  
FCC KDB 447498 D01 v06

The product evaluation date was started from Jan. 17, 2025 and completed on Jan. 17, 2025. We, Sporton International Inc. (Kunshan), would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1091 and FCC KDB 447498 D01 v06, and pass the limit. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.



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Approved by: Si Zhang

***Sporton International Inc. (Kunshan)***

***No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300  
People's Republic of China***



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**Revision History**

| REPORT NO. | VERSION | DESCRIPTION              | ISSUED DATE   |
|------------|---------|--------------------------|---------------|
| FA492317A  | Rev. 01 | Initial issue of report. | Feb. 14, 2025 |
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## **1. Administration Data**

### **1.1. Testing Laboratory**

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

| Testing Laboratory |                                                                                                                                                |                     |                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------|
| Test Firm          | Sporton International Inc. (Kunshan)                                                                                                           |                     |                                |
| Test Site Location | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 |                     |                                |
| Test Site No.      | Sporton Site No.                                                                                                                               | FCC Designation No. | FCC Test Firm Registration No. |
|                    | SAR01-KS                                                                                                                                       | CN1257              | 314309                         |

| Applicant    |                                                                           |
|--------------|---------------------------------------------------------------------------|
| Company Name | Nextivity, Inc.                                                           |
| Address      | 16550 West Bernardo Drive, Building 5, Suite 550, San Diego, CA 92127 USA |

| Manufacturer |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Company Name | Asiatelco Technologies Co.                                                           |
| Address      | #68 HuaTuo Road, Building-8, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201204, China |

## 2. Description of Equipment Under Test (EUT)

| Product Feature & Specification         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT Type                                | SHIELD MegaFi 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Brand Name                              | Nextivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Model Name                              | M4D-UC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| FCC ID                                  | YETM4D-UC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Wireless Technology and Frequency Range | WCDMA Band II: 1850 MHz ~ 1910 MHz<br>WCDMA Band IV: 1710 MHz ~ 1755 MHz<br>WCDMA Band V: 824 MHz ~ 849 MHz<br>LTE Band 2 : 1850 MHz ~ 1910 MHz<br>LTE Band 4 : 1710 MHz ~ 1755 MHz<br>LTE Band 5 : 824 MHz ~ 849 MHz<br>LTE Band 7: 2500 MHz ~ 2570 MHz<br>LTE Band 12 : 699 MHz ~ 716 MHz<br>LTE Band 13 : 777 MHz ~ 787 MHz<br>LTE Band 14: 788 MHz ~ 798 MHz<br>LTE Band 17: 704 MHz ~ 716 MHz<br>LTE Band 25 : 1850 MHz ~ 1915 MHz<br>LTE Band 26 : 814 MHz ~ 849 MHz<br>LTE Band 30: 2305 MHz ~ 2315 MHz<br>LTE Band 38: 2570 MHz ~ 2620 MHz<br>LTE Band 41: 2496 MHz ~ 2690 MHz<br>LTE Band 42: 3450 MHz ~ 3550 MHz<br>LTE Band 66 : 1710 MHz ~ 1780 MHz<br>LTE Band 71: 663 MHz ~ 698 MHz<br>5G NR n2 : 1850 MHz ~ 1910 MHz<br>5G NR n5 : 824 MHz ~ 849 MHz<br>5G NR n7 : 2500 MHz ~ 2570 MHz<br>5G NR n25 : 1850 MHz ~ 1915 MHz<br>5G NR n30 : 2305 MHz ~ 2315 MHz<br>5G NR n38 : 2570 MHz ~ 2620 MHz<br>5G NR n41 : 2496 MHz ~ 2690 MHz<br>5G NR n66 : 1710 MHz ~ 1780 MHz<br>5G NR n71 : 663 MHz ~ 698 MHz<br>5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz<br>5G NR n78: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz<br>WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz<br>WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz<br>WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz |
| Mode                                    | RMC 12.2Kbps<br>HSDPA/HSUPA<br>DC-HSDPA<br>HSPA+ (16QAM uplink is not supported)<br>LTE: QPSK, 16QAM, 64QAM, 256QAM<br>5G NR : CP-OFDM / DFT-s-OFDM, PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM<br>WLAN 2.4GHz 802.11b/g/n HT20/HT40<br>WLAN 5GHz 802.11a/n HT20/HT40<br>WLAN 5GHz 802.11ac/ax VHT20/VHT40/VHT80/HE20/HE40/HE80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Antenna Type                            | WWAN: Dipole Antenna<br>WLAN: Dipole Antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| HW Version                              | 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SW Version                              | 1.2.0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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.
- 5G NR n2/5/7/25/30/38/41/66/71/77/78 supports NSA and SA mode.
- This device supports intra-band ULCA, due to intra-band ULCA and non-CA power is same, so non-CA MPE analysis can represent ULCA MPE analysis.



4. The intra-band/inter-band ULCA and EN-DC mode combination could be referred to the product spec.
5. This device supports HPUE for 5G NR n41/77/78, so HPUE has been performed to do MPE analysis.
6. rformed MPE calculation.
7. 5G NR n38/41/77/78 support SISO/MIMO mode, we only chose SISO tune up power to perform MPE calculation conservatively for SISO power is higher.
8. For WLAN2.4GHz Ant.1 and Ant.2 in this report correspond to WIFI1 and WIFI3, in the antenna report respectively. For WLAN5GHz Ant.1, Ant.2, Ant.3 and Ant.4 in this report correspond to WIFI3, WIFI2 and WIFI1 and W8 in the antenna report respectively.
9. There are two type optional antennas ( paddle antenna and sharkfin antenna) provided by manufacturers, and the manufacturer declares that the with the same conducted output power level are the same. And paddle antenna was evaluated to perform MPE calculation in this report, MPE analysis with sharkfin antenna please refer to FA492317B.

**Comments and Explanations:**

1. 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.
2. The maximum RF output tune up power, antenna gain also the safe distance used for evaluate RF exposure were declared by manufacturer.

**For Antenna Gain:**

| Band          | Maximum Single Antenna gain (dBi) |
|---------------|-----------------------------------|
| WCDMA Band II | 3.0                               |
| WCDMA Band IV | 3.0                               |
| WCDMA Band V  | 0.2                               |
| LTE Band 2    | 3.0                               |
| LTE Band 4    | 3.0                               |
| LTE Band 5    | 0.2                               |
| LTE Band 7    | 2.0                               |
| LTE Band 12   | 1.2                               |
| LTE Band 13   | 1.2                               |
| LTE Band 14   | 1.2                               |
| LTE Band 17   | 1.2                               |
| LTE Band 25   | 3.0                               |
| LTE Band 26   | 0.2                               |
| LTE Band 30   | 1.6                               |
| LTE Band 38   | 2.0                               |
| LTE Band 41   | 2.0                               |
| LTE Band 42   | 3.6                               |
| LTE Band 66   | 3.0                               |
| LTE Band 71   | 1.5                               |
| 5G NR n2      | 3.0                               |
| 5G NR n5      | 0.2                               |
| 5G NR n7      | 2.0                               |
| 5G NR n25     | 3.0                               |
| 5G NR n30     | 1.6                               |
| 5G NR n38     | 2.0                               |
| 5G NR n41     | 2.0                               |
| 5G NR n66     | 3.0                               |
| 5G NR n71     | 1.5                               |
| 5G NR n77     | 3.6                               |
| 5G NR n78     | 3.6                               |
| WLAN2.4GHz    | 2.8                               |
| WLAN5.2GHz    | 2.2                               |
| WLAN5.8GHz    | 1.9                               |

### 3. Maximum RF average output tune up power among production units

#### <WCDMA>

| Mode  |         | Maximum Average power(dBm) |
|-------|---------|----------------------------|
| WCDMA | Band II | 24.0                       |
|       | Band IV | 24.0                       |
|       | Band V  | 24.0                       |

#### <LTE>

| Mode |             | Maximum Average power(dBm) |
|------|-------------|----------------------------|
| LTE  | Band 2      | 23.0                       |
|      | Band 4      | 23.0                       |
|      | Band 5      | 23.0                       |
|      | Band 7      | 22.0                       |
|      | Band 12     | 23.0                       |
|      | Band 13     | 23.0                       |
|      | Band 14 PC1 | 32.0                       |
|      | Band 17     | 23.0                       |
|      | Band 25     | 23.0                       |
|      | Band 26     | 23.0                       |
|      | Band 30     | 22.0                       |
|      | Band 38     | 22.0                       |
|      | Band 41     | 25.0                       |
|      | Band 42     | 23.0                       |
|      | Band 66     | 24.0                       |
|      | Band 71     | 23.0                       |

#### <5G NR>

| Mode  |         | Maximum Average power(dBm) |
|-------|---------|----------------------------|
| 5G NR | n2      | 24.0                       |
|       | n5      | 23.0                       |
|       | n7      | 22.0                       |
|       | n25     | 22.0                       |
|       | n30     | 22.0                       |
|       | n38     | 24.0                       |
|       | n41 PC2 | 27.0                       |
|       | n66     | 24.0                       |
|       | n71     | 24.0                       |
|       | n77 PC2 | 26.0                       |
|       | n78 PC2 | 26.0                       |

**<MIMO>**

| Mode | Maximum Average power(dBm) |
|------|----------------------------|
| n38  | 23.0                       |
| n41  | 25.0                       |
| n77  | 25.0                       |
| n78  | 25.0                       |

Note: WWAN support SISO/MIMO mode, we only chose SISO tune up power to perform MPE calculation conservatively for SISO power is higher.

**<2.4GHz WLAN >**

| Mode   |               | Maximum Average Power (dBm) |
|--------|---------------|-----------------------------|
|        |               | Ant.1+2                     |
| 2.4GHz | 802.11b       | 24.0                        |
|        | 802.11g       | 22.0                        |
|        | 802.11n-HT20  | 20.0                        |
|        | 802.11n-HT40  | 18.0                        |
|        | 802.11ax-HE20 | 20.0                        |
|        | 802.11ax-HE40 | 18.0                        |

**<5GHz WLAN >**

| Mode   |                | Maximum Average Power (dBm) |
|--------|----------------|-----------------------------|
|        |                | Ant.1+2+3                   |
| 5.2GHz | 802.11a        | 16.0                        |
|        | 802.11n-HT20   | 16.0                        |
|        | 802.11n-HT40   | 16.0                        |
|        | 802.11ac-VHT20 | 16.0                        |
|        | 802.11ac-VHT40 | 16.0                        |
|        | 802.11ac-VHT80 | 10.0                        |
|        | 802.11ax-HE20  | 16.0                        |
|        | 802.11ax-HE40  | 16.0                        |
|        | 802.11ax-HE80  | 10.0                        |
| 5.8GHz | 802.11a        | 22.0                        |
|        | 802.11n-HT20   | 21.0                        |
|        | 802.11n-HT40   | 22.0                        |
|        | 802.11ac-VHT20 | 21.0                        |
|        | 802.11ac-VHT40 | 22.0                        |
|        | 802.11ac-VHT80 | 20.0                        |
|        | 802.11ax-HE20  | 21.0                        |
|        | 802.11ax-HE40  | 22.0                        |
|        | 802.11ax-HE80  | 20.0                        |

#### **4. RF Exposure Limit Introduction**

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

| Frequency range (MHz)                                          | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposures</b>        |                               |                               |                                     |                          |
| 0.3-3.0                                                        | 614                           | 1.63                          | *(100)                              | 6                        |
| 3.0-30                                                         | 1842/f                        | 4.89/f                        | *(900/f <sup>2</sup> )              | 6                        |
| 30-300                                                         | 61.4                          | 0.163                         | 1.0                                 | 6                        |
| 300-1500                                                       |                               |                               | f/300                               | 6                        |
| 1500-100,000                                                   |                               |                               | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 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                       |

The MPE was calculated at 30 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna

## 5. Radio Frequency Radiation Exposure Evaluation

### 5.1. Standalone Power Density Calculation

| Band         | Frequency (MHz) | Antenna Gain (dBi) | Maximum Power (dBm) | Average EIRP (dBm) | Average EIRP (mW) | Power Density at 30cm (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) | Power Density / Limit |
|--------------|-----------------|--------------------|---------------------|--------------------|-------------------|---------------------------------------------|-----------------------------|-----------------------|
| WCDMA Band 2 | 1852.4          | 3.00               | 24.00               | 27.000             | 501.187           | 0.044                                       | 1.000                       | 0.044                 |
| WCDMA Band 4 | 1712.4          | 3.00               | 24.00               | 27.000             | 501.187           | 0.044                                       | 1.000                       | 0.044                 |
| WCDMA Band 5 | 826.4           | 0.20               | 24.00               | 24.200             | 263.027           | 0.023                                       | 0.551                       | 0.042                 |
| LTE Band 2   | 1850.0          | 3.00               | 23.00               | 26.000             | 398.107           | 0.035                                       | 1.000                       | 0.035                 |
| LTE Band 4   | 1710.0          | 3.00               | 23.00               | 26.000             | 398.107           | 0.035                                       | 1.000                       | 0.035                 |
| LTE Band 5   | 824.0           | 0.20               | 23.00               | 23.200             | 208.930           | 0.018                                       | 0.549                       | 0.034                 |
| LTE Band 7   | 2500.0          | 2.00               | 22.00               | 24.000             | 251.189           | 0.022                                       | 1.000                       | 0.022                 |
| LTE Band 12  | 699.0           | 1.20               | 23.00               | 24.200             | 263.027           | 0.023                                       | 0.466                       | 0.050                 |
| LTE Band 13  | 777.0           | 1.20               | 23.00               | 24.200             | 263.027           | 0.023                                       | 0.518                       | 0.045                 |
| LTE Band 14  | 788.0           | 1.20               | 32.00               | 33.200             | 2089.296          | 0.185                                       | 0.525                       | <b>0.352</b>          |
| LTE Band 17  | 704.0           | 1.20               | 23.00               | 24.200             | 263.027           | 0.023                                       | 0.469                       | 0.050                 |
| LTE Band 25  | 1850.0          | 3.00               | 23.00               | 26.000             | 398.107           | 0.035                                       | 1.000                       | 0.035                 |
| LTE Band 26  | 814.0           | 0.20               | 23.00               | 23.200             | 208.930           | 0.018                                       | 0.543                       | 0.034                 |
| LTE Band 30  | 2305.0          | 1.60               | 22.00               | 23.600             | 229.087           | 0.020                                       | 1.000                       | 0.020                 |
| LTE Band 38  | 2570.0          | 2.00               | 22.00               | 24.000             | 251.189           | 0.022                                       | 1.000                       | 0.022                 |
| LTE Band 41  | 2496.0          | 2.00               | 25.00               | 27.000             | 501.187           | 0.044                                       | 1.000                       | 0.044                 |
| LTE Band 42  | 3450.0          | 3.60               | 23.00               | 26.600             | 457.088           | 0.040                                       | 1.000                       | 0.040                 |
| LTE Band 66  | 1710.0          | 3.00               | 24.00               | 27.000             | 501.187           | 0.044                                       | 1.000                       | 0.044                 |
| LTE Band 71  | 663.0           | 1.50               | 23.00               | 24.500             | 281.838           | 0.025                                       | 0.442                       | 0.056                 |
| 5G NR n2     | 1850.00         | 3.00               | 24.00               | 27.000             | 501.187           | 0.044                                       | 1.000                       | 0.044                 |
| 5G NR n5     | 824.00          | 0.20               | 23.00               | 23.200             | 208.930           | 0.018                                       | 0.549                       | 0.034                 |
| 5G NR n7     | 2500.00         | 2.00               | 22.00               | 24.000             | 251.189           | 0.022                                       | 1.000                       | 0.022                 |
| 5G NR n25    | 1850.00         | 3.00               | 22.00               | 25.000             | 316.228           | 0.028                                       | 1.000                       | 0.028                 |
| 5G NR n30    | 2305.00         | 1.60               | 22.00               | 23.600             | 229.087           | 0.020                                       | 1.000                       | 0.020                 |
| 5G NR n38    | 2570.00         | 2.00               | 24.00               | 26.000             | 398.107           | 0.035                                       | 1.000                       | 0.035                 |
| 5G NR n41    | 2496.00         | 2.00               | 27.00               | 29.000             | 794.328           | 0.070                                       | 1.000                       | 0.070                 |
| 5G NR n66    | 1710.00         | 3.00               | 24.00               | 27.000             | 501.187           | 0.044                                       | 1.000                       | 0.044                 |
| 5G NR n71    | 663.00          | 1.50               | 24.00               | 25.500             | 354.813           | 0.031                                       | 0.442                       | 0.071                 |
| 5G NR n77    | 3450.00         | 3.60               | 26.00               | 29.600             | 912.011           | 0.081                                       | 1.000                       | <b>0.081</b>          |
| 5G NR n78    | 3450.00         | 3.60               | 26.00               | 29.600             | 912.011           | 0.081                                       | 1.000                       | 0.081                 |
| 2.4GHz WLAN  | 2412.0          | 2.80               | 24.00               | 26.800             | 478.630           | 0.042                                       | 1.000                       | <b>0.042</b>          |
| 5.2GHz WLAN  | 5180.0          | 2.20               | 16.00               | 18.200             | 66.069            | 0.006                                       | 1.000                       | 0.006                 |
| 5.8GHz WLAN  | 5745.0          | 1.90               | 22.00               | 23.900             | 245.471           | 0.022                                       | 1.000                       | 0.022                 |

**Note:**

1. For conservativeness, the lowest frequency of each band is used to determine the MPE limit of that band.
2. Chose the maximum RF output tune up power and the maximum antenna gain of all antennas among same frequency WWAN/WLAN bands to perform MPE calculation conservatively.

## 5.2. Collocated Power Density Calculation

| WWAN<br>Power Density / Limit | WLAN2.4 GHz/5GHz<br>Power Density / Limit | $\Sigma$ (Power Density / Limit)<br>of<br>WWAN + WLAN |
|-------------------------------|-------------------------------------------|-------------------------------------------------------|
| 0.352                         | 0.042                                     | 0.394                                                 |

| LTE Power Density / Limit | LTE Power Density / Limit | WLAN2.4 GHz/5GHz<br>Power Density / Limit | $\Sigma$ (Power Density / Limit)<br>of<br>LTE + LTE + WLAN |
|---------------------------|---------------------------|-------------------------------------------|------------------------------------------------------------|
| 0.352                     | 0.352                     | 0.042                                     | 0.746                                                      |

| 5G NR Power Density / Limit | 5G NR Power Density / Limit | WLAN2.4 GHz/5GHz<br>Power Density / Limit | $\Sigma$ (Power Density / Limit)<br>of<br>5G NR + 5G NR + WLAN |
|-----------------------------|-----------------------------|-------------------------------------------|----------------------------------------------------------------|
| 0.081                       | 0.081                       | 0.042                                     | 0.204                                                          |

| LTE<br>Power Density / Limit | 5G NR Power Density / Limit | WLAN2.4 GHz/5GHz<br>Power Density / Limit | $\Sigma$ (Power Density / Limit)<br>of<br>LTE + 5G NR + WLAN |
|------------------------------|-----------------------------|-------------------------------------------|--------------------------------------------------------------|
| 0.352                        | 0.081                       | 0.042                                     | 0.475                                                        |

### Note:

- For 5G NR EN-DC mode, always chose the highest LTE power density and the highest 5G NR power density to sum as EN-DC conservatively.
- According to the EUT characteristic, WLAN 2.4GHz and WLAN 5GHz can't transmit simultaneously.
- For colocation analysis, choose the highest (power density/limit) among WLAN 2.4GHz and 5GHz.
- $\Sigma$ (Power Density / Limit): This is a summation of [(power density for each transmitter/antenna included in the simultaneous transmission)/ (corresponding MPE limit)], for WWAN + WLAN.
- Considering all transmitter of the EIRP performance listed in the table above, the aggregated (power density /limit) is smaller than 1, and MPE collocated transmitters is compliant.

## Conclusion:

According to 47 CFR §2.1091, the equipment at least 30 cm to show compliance with the power density limit, the RF exposure analysis concludes that the RF Exposure is FCC compliant.

-----THE END-----