

Radio Exposure Evaluation Report

FCC ID : L9VPRT6351
Equipment : Home Gateway
Brand Name : COMTREND
Model Name : PRT-6351, WR-2412u
Applicant/ Manufacturer : COMTREND Corporation
3F-1, 10 Lane 609, Chung Hsin Road, Section 5, San
Chung Dist, New Taipei City 24159, Taiwan
Factory 1 : Datamax Electronics (Dong Guan) Co., Ltd.
Niu shan Foreign Economic Industrial park, Dong Cheng
District, Dong Guan City, Guang Dong , China.
Factory 2 : GIANTA CO., LTD
No.130,Sec2,Yangxin Rd.,Yang Mei Dist,Taoyuan
City326,Taiwan
Standard : 47 CFR FCC Part 2 Subpart J, section 2.1091

The product was received on Jan. 11, 2023, and testing was started from Feb. 22, 2023 and completed on Apr. 27, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in 47 CFR FCC Part 2 Subpart J, section 2.1091 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory
No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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Photographs of EUT V01



Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|-----------------|---------------------|--------------------|--------|
| 2 | - | Exposure evaluation | PASS | - |

| |
|--|
| Declaration of Conformity: |
| The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. |
| Comments and Explanations: |
| None |

Reviewed by: Ben Tseng

Report Producer: Michelle Tsai



1 General Description

1.1 Information

1.1.1 EUT General Information

| RF General Information | | | |
|------------------------|--|--|--|
| Evaluation Mode | Frequency Range (MHz) | Operating Frequency (MHz) | Modulation Type |
| 2.4GHz WLAN | 2400-2483.5 | 2412-2462 | 802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) VHT: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) |
| 5GHz WLAN | 5150-5250 5250-5350 5470-5725 5725-5850 | 5180-5240 5260-5320 5500-5700 5745-5825 | 802.11a/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) |
| 6GHz WLAN | 5925-7125 | 5935-7115 | 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) |

1.1.2 Antenna Information

| Ant. | Brand | Model Name | Antenna Type | Connector | Support |
|------|--------|-----------------------------|--------------|-----------|---------------|
| 1 | WHA YU | C1881-510014-A(SRF20221849) | Metal Dipole | I-Pex | 2.4GHz + 5GHz |
| 2 | WHA YU | C1881-510015-A(SRF20221850) | Metal Dipole | I-Pex | 2.4GHz + 5GHz |
| 3 | WHA YU | C1881-510016-A(SRF20221851) | Metal Dipole | I-Pex | 5GHz |
| 4 | WHA YU | C1881-510017-A(SRF20221860) | Metal Dipole | I-Pex | 5GHz |
| 5 | WHA YU | C1881-510018-A(SRF20221861) | PCB | I-Pex | 6GHz |
| 6 | WHA YU | C1881-510019-A(SRF20221862) | PCB | I-Pex | 6GHz |

| Ant. | Port | Gain (dBi) | | | | | | | | | |
|------|------|------------|---------|----------|----------|---------|------------|------------|------------|------------|------------|
| | | 2.4GHz | 5GHz | | | | 6GHz | | | | |
| | | | U-NII-1 | U-NII-2A | U-NII-2C | U-NII-3 | 5925 (MHz) | 6425 (MHz) | 6525 (MHz) | 6875 (MHz) | 7125 (MHz) |
| 1 | 1 | 3.06 | - | - | - | - | - | - | - | - | - |
| 2 | 2 | 3.24 | - | - | - | - | - | - | - | - | - |
| 1 | 2 | - | 2.44 | 2.70 | 3.24 | 3.62 | | | | | |
| 2 | 1 | - | 1.70 | 1.98 | 3.79 | 3.95 | | | | | |
| 3 | 4 | - | 3.08 | 2.82 | 2.93 | 3.89 | - | - | - | - | - |
| 4 | 3 | - | 3.91 | 3.15 | 3.28 | 4.42 | - | - | - | - | - |
| 5 | 2 | - | - | - | - | - | 4.08 | 4.33 | 4.25 | 4.72 | 4.92 |
| 6 | 1 | - | - | - | - | - | 4.64 | 4.70 | 4.07 | 5.05 | 4.89 |

| Composite Gain (dBi) | | | | | |
|-------------------------|--------|---------|----------|----------|---------|
| Correlated TX / Streams | 2.4GHz | 5GHz | | | |
| | | U-NII-1 | U-NII-2A | U-NII-2C | U-NII-3 |
| 2T1S (Ant 1/2) | 3.33 | - | - | - | - |
| 2T2S (Ant 1/2) | 3.24 | - | - | - | - |
| 4T1S (Ant 1/2/3/4) | - | 4.24 | 3.73 | 3.96 | 4.49 |
| 4T2S (Ant 1/2/3/4) | - | 3.91 | 3.15 | 3.79 | 4.42 |
| 4T4S (Ant 1/2/3/4) | - | 3.91 | 3.15 | 3.79 | 4.42 |

Note 1: The EUT has six antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP310610.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX)

Ant. 1 (port 1) ~ Ant. 2 (port 2) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (4TX/4RX)

Ant. 1 (port 1) ~ Ant. 4 (port 3) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 a/ax mode (2TX/2RX)

Ant. 5 (port 2) ~ Ant. 6 (port 1) could transmit/receive simultaneously.



1.1.3 Accessories

| | | | | |
|-------------------|----------------|---|------------|-------------------|
| AC Adapter | Brand Name | AMIGO | Model Name | AMS241A-1202500FU |
| | Power Rating | I/P: 100-240Vac, 1.2A, O/P: 12Vdc, 2.5A | | |
| | DC Power Cable | 1.8 meter, non-shielded cable, w/o ferrite core | | |
| RJ45 Cable | Brand Name | N/A | Model Name | N/A |
| | Signal Line | 1.8 meter, non-shielded cable, w/o ferrite core | | |

Reminder: Regarding to more detail and other information, please refer to user manual.

1.1.4 Table for Multiple Listing

| Model Name | Description |
|------------|--|
| PRT-6351 | All the models are identical, the difference model served as marketing strategy. |
| WR-2412u | |

Note: PRT-6351 was measured during the test.

1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 2 Subpart J, section 2.1091
- ♦ KDB 447498 D04 Interim General RF Exposure Guidance v01

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ 47 CFR Part 1.1307
- ♦ 47 CFR Part 1.1310

1.3 Testing Location

| Test Lab. : Sporton International Inc. Hsinhua Laboratory | | | | | | | |
|---|---|-----------------------------|---|--|--|--|--|
| <input checked="" type="checkbox"/> | <table border="1"> <tr> <td>Hsinhua (TAF: 3785)</td> <td>ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)</td> </tr> <tr> <td></td> <td>TEL: 886-3-327-3456 FAX: 886-3-327-0973</td> </tr> <tr> <td colspan="2">Test site Designation No. TW3785 with FCC.</td> </tr> </table> | Hsinhua (TAF: 3785) | ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) | | TEL: 886-3-327-3456 FAX: 886-3-327-0973 | Test site Designation No. TW3785 with FCC. | |
| Hsinhua (TAF: 3785) | ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) | | | | | | |
| | TEL: 886-3-327-3456 FAX: 886-3-327-0973 | | | | | | |
| Test site Designation No. TW3785 with FCC. | | | | | | | |
| <input type="checkbox"/> | <table border="1"> <tr> <td>Wen 33rd.St. (TAF: 3785)</td> <td>ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)</td> </tr> <tr> <td></td> <td>TEL: 886-3-318-0787 FAX: 886-3-318-0287</td> </tr> <tr> <td colspan="2">Test site Designation No. TW0008 with FCC.</td> </tr> </table> | Wen 33rd.St. (TAF: 3785) | ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) | | TEL: 886-3-318-0787 FAX: 886-3-318-0287 | Test site Designation No. TW0008 with FCC. | |
| Wen 33rd.St. (TAF: 3785) | ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) | | | | | | |
| | TEL: 886-3-318-0787 FAX: 886-3-318-0287 | | | | | | |
| Test site Designation No. TW0008 with FCC. | | | | | | | |

2 Maximum Permissible Exposure

2.1 Limit of Maximum Permissible Exposure

(A) Limits for Occupational / Controlled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm ²) | Averaging Time E ² , H ² or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|--|--|
| 0.3-3.0 | 614 | 1.63 | (100)* | 6 |
| 3.0-30 | 1842 / f | 4.89 / f | (900 / f ²)* | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | - | - | F/300 | 6 |
| 1500-100,000 | - | - | 5 | 6 |

(B) Limits for General Population / Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm ²) | Averaging Time E ² , H ² or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|--|--|
| 0.3-1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34-30 | 824/f | 2.19/f | (180/f ²)* | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | - | - | F/1500 | 30 |
| 1500-100,000 | - | - | 1.0 | 30 |

Note: f = frequency in MHz ; *Plane-wave equivalent power density

Multiple Transmitters Condition

Co-location as simultaneously transmitting (co-transmitting) and the evaluation shall be consider that simultaneous transmissions from co-located devices the individual transmitters are evaluated separately. After sum of the individual value (basic restriction / reference level) are measured/calculated also have to under basic restriction / reference level.

Co-transmitting mode: WLAN 5GHz+WLAN 6GHz

2.2 RF Exposure Exempt Measurement

| Option | Refer Std. | Exemption Exposure Thresholds (TL) |
|--------|---------------------|--|
| A | §1.1307(b)(3)(i)(A) | Available maximum time-averaged power is no more than 1 mW |
| B | §1.1307(b)(3)(i)(B) | $P_{th}(mW) = \begin{cases} ERP_{20cm} (d / 20cm)^x & \rightarrow d \leq 20cm \\ ERP_{20cm} & \rightarrow 20cm < d \leq 40cm \end{cases}$ $x = -\log_{10} \left(\frac{60}{ERP_{20cm} \sqrt{f}} \right) \text{ and } f \text{ is in GHz}$ $\begin{cases} ERP_{20cm} : 0.3GHz \leq f < 1.5GHz \rightarrow 2040f(mW) \\ ERP_{20cm} : 1.5GHz \leq f \leq 6GHz \rightarrow 3060(mW) \end{cases}$ |
| C | §1.1307(b)(3)(i)(C) | $\begin{cases} 0.3 \sim 1.34MHz \rightarrow ERP(W) = 1920R^2 \\ 1.34 \sim 30MHz \rightarrow ERP(W) = 3450R^2 / f^2 \\ 30 \sim 300MHz \rightarrow ERP(W) = 3.83R^2 \\ 300 \sim 1500MHz \rightarrow ERP(W) = 0.0128R^2 f \\ 1500 \sim 100000MHz \rightarrow ERP(W) = 19.2R^2 \end{cases}$ <p>f is in MHz; R is in m; $R > \lambda / 2\pi$</p> |



2.3 Multiple RF Sources Exposure

| Refer Std. | Exemption Exposure Thresholds (TL) |
|----------------------|--|
| §1.1307(b)(3)(ii)(A) | <p>The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required)</p> |
| §1.1307(b)(3)(ii)(B) | $\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{ExposureLimit_k} \leq 1$ <p>a = number of fixed, mobile, or portable RF sources claiming exemption using paragraph §1.1307(b)(3)(i)(B) of this section for P , including existing exempt transmitters and those being added.</p> <p>b = number of fixed, mobile, or portable RF sources claiming exemption using paragraph §1.1307(b)(3)(i)(C) of this section for Threshold ERP, including existing exempt transmitters and those being added.</p> <p>c = number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance including existing evaluated transmitters.</p> <p>P_i = the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source i at a distance between 0.5 cm and 40 cm (inclusive).</p> <p>P_{th,i} = the exemption threshold power (P_{th}) according to paragraph §1.1307(b)(3)(i)(B) of this section for fixed, mobile, or portable RF source i.</p> <p>ERP_j = the ERP of fixed, mobile, or portable RF source j.</p> <p>ERP_{th,j} = exemption threshold ERP for fixed, mobile, or portable RF source j, at a distance of at least λ/2π according to the applicable formula of paragraph §1.1307(b)(3)(i)(C) of this section.</p> <p>Evaluated_k = the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation at the location of exposure.</p> <p>Evaluated Limit_k = either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable RF source k, as applicable from § 1.1310 of this chapter.</p> |



2.4 MPE Calculation Method

The MPE was calculated at 22 cm to show compliance with the power density limit. The following formula was used to calculate the Power Density:

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \qquad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

2.5 Calculated Result and Limit

Exposure Environment: General Population / Uncontrolled Exposure

<Non-Beamforming>

WLAN 2.4GHz

| Mode | DG (dBi) | Power (dBm) | EIRP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | S (mW/cm ²) | S Limit (mW/cm ²) | Option | TL ERP (mW) | TL Ratio |
|----------|----------|-------------|------------|----------------|------------------|---------------|-------------------------|-------------------------------|--------|-------------|----------|
| 2.4G;G1D | 3.24 | 29.26 | 32.50 | 0.50 | 1,216.49 | 22 | 0.32805 | 1.00000 | B | 3060.000 | 0.3975 |
| 2.4G;D1D | 3.24 | 25.91 | 29.15 | 0.50 | 562.48 | 22 | 0.15169 | 1.00000 | B | 3060.000 | 0.1838 |

WLAN 5GHz

| Mode | DG (dBi) | Power (dBm) | EIRP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | S (mW/cm ²) | S Limit (mW/cm ²) | Option | TL ERP (mW) | TL Ratio |
|----------|----------|-------------|------------|----------------|------------------|---------------|-------------------------|-------------------------------|--------|-------------|----------|
| 5.2G;D1D | 3.91 | 29.96 | 33.87 | 0.50 | 1,667.67 | 22 | 0.44972 | 1.00000 | B | 3060.000 | 0.5450 |
| 5.3G;D1D | 3.15 | 23.95 | 27.10 | 0.50 | 350.84 | 22 | 0.09461 | 1.00000 | B | 3060.000 | 0.1147 |
| 5.6G;D1D | 3.79 | 23.97 | 27.76 | 0.50 | 408.42 | 22 | 0.11014 | 1.00000 | B | 3060.000 | 0.1335 |
| 5.8G;D1D | 4.42 | 29.93 | 34.35 | 0.50 | 1,862.56 | 22 | 0.50228 | 1.00000 | B | 3060.000 | 0.6087 |

WLAN 6GHz

| Mode | DG (dBi) | Power (dBm) | EIRP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | S (mW/cm ²) | S Limit (mW/cm ²) | Option | TL ERP (mW) | TL Ratio |
|----------|----------|-------------|------------|----------------|------------------|---------------|-------------------------|-------------------------------|--------|-------------|----------|
| 6.2G;D1D | - | - | 24.39 | 0.50 | 187.98 | 22 | 0.05069 | 1.00000 | C | 929.280 | 0.2023 |
| 6.4G;D1D | - | - | 24.60 | 0.50 | 197.29 | 22 | 0.05320 | 1.00000 | C | 929.280 | 0.2123 |
| 6.7G;D1D | - | - | 23.95 | 0.50 | 169.87 | 22 | 0.04581 | 1.00000 | C | 929.280 | 0.1828 |
| 7.0G;D1D | - | - | 24.39 | 0.50 | 187.98 | 22 | 0.05069 | 1.00000 | C | 929.280 | 0.2023 |



<Beamforming>

WLAN 2.4GHz

| Mode | DG (dBi) | Power (dBm) | EIRP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | S (mW/cm ²) | S Limit (mW/cm ²) | Option | TL ERP (mW) | TL Ratio |
|----------|----------|-------------|------------|----------------|------------------|---------------|-------------------------|-------------------------------|--------|-------------|----------|
| 2.4G;D1D | 3.33 | 27.91 | 31.24 | 0.50 | 910.14 | 22 | 0.24544 | 1.00000 | B | 3060.000 | 0.2974 |

WLAN 5GHz

| Mode | DG (dBi) | Power (dBm) | EIRP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | S (mW/cm ²) | S Limit (mW/cm ²) | Option | TL ERP (mW) | TL Ratio |
|----------|----------|-------------|------------|----------------|------------------|---------------|-------------------------|-------------------------------|--------|-------------|----------|
| 5.2G;D1D | 4.24 | 29.87 | 34.11 | 0.50 | 1,762.42 | 22 | 0.57508 | 1.00000 | B | 3060.000 | 0.5760 |
| 5.3G;D1D | 3.73 | 23.92 | 27.65 | 0.50 | 398.21 | 22 | 0.12994 | 1.00000 | B | 3060.000 | 0.1301 |
| 5.6G;D1D | 3.96 | 23.97 | 27.93 | 0.50 | 424.73 | 22 | 0.13859 | 1.00000 | B | 3060.000 | 0.1388 |
| 5.8G;D1D | 4.49 | 29.99 | 34.48 | 0.50 | 1,919.15 | 22 | 0.51754 | 1.00000 | B | 3060.000 | 0.6272 |

WLAN 6GHz

| Mode | DG (dBi) | Power (dBm) | EIRP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | S (mW/cm ²) | S Limit (mW/cm ²) | Option | TL ERP (mW) | TL Ratio |
|----------|----------|-------------|------------|----------------|------------------|---------------|-------------------------|-------------------------------|--------|-------------|----------|
| 6.2G;D1D | - | - | 26.68 | 0.50 | 318.50 | 22 | 0.08589 | 1.00000 | C | 929.280 | 0.3427 |
| 6.4G;D1D | - | - | 25.72 | 0.50 | 255.33 | 22 | 0.06886 | 1.00000 | C | 929.280 | 0.2748 |
| 6.7G;D1D | - | - | 25.43 | 0.50 | 238.84 | 22 | 0.06441 | 1.00000 | C | 929.280 | 0.2570 |
| 7.0G;D1D | - | - | 24.16 | 0.50 | 178.28 | 22 | 0.04808 | 1.00000 | C | 929.280 | 0.1919 |

Note 1: Option A, B and C refer as clause 2.2

Note 2: For option B, Pth(mW) convert to TL ERP(mW); For option C, ERP(W) convert to TL ERP(mW)

Note 3: TL Ratio=Tune-up ERP(mW)/TL ERP(mW)



Simultaneous Transmission Analysis Mode: WLAN 5GHz+WLAN 6GHz

| Mode | DG (dBi) | Power (dBm) | EIRP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | S (mW/cm ²) | Limit (mW/cm ²) | Option | TL ERP (mW) | TL Ratio |
|----------|-------------|----------------|---------------|-------------------|---------------------|------------------|----------------------------|--------------------------------|--------|-------------------|----------|
| 5.8G;D1D | 4.49 | 29.99 | 34.48 | 0.50 | 1,919.15 | 22.00 | 0.51754 | 1.00000 | B | 3060.000 | 0.62727 |
| 6.2G;D1D | - | - | 26.68 | 0.50 | 318.50 | 22.00 | 0.08589 | 1.00000 | C | 929.280 | 0.34274 |
| | | | | | | | | | | Sum TL Ratio_B | 0.96991 |
| | | | | | | | | | | Ratio Limit | 1 |

Note 1: Option A, B and C refer as clause 2.2

Note 2: For option B, Pth(mW) convert to TL ERP(mW); For option C, ERP(W) convert to TL ERP(mW)

Note 3: TL Ratio=Tune-up ERP(mW)/TL ERP(mW)

Note 4: Refer as clause 2.3 Multiple RF Sources Exposure. Please follow below option and sum TL ration table.

| Option | Sum TL Ratio_B | Option | Sum TL Ratio_C | Option | Sum TL Ratio_E |
|--------|-------------------------------------|--------|---|--------|--|
| B | $\sum_{i=1}^a \frac{P_i}{P_{th,i}}$ | C | $\sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}}$ | E | $\sum_{k=1}^c \frac{Evaluated_k}{ExposureLimit_k}$ |

Note: The above antenna gain was declared by manufacturer.

—————THE END—————