

Registration number: W6R22002-19655-C-54

FCC ID: W23-WMXWAVE2AS

**3.6 Automatic Discontinuation of transmission, FCC 15.407 (c)**

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.

This function will be declared by manufacturer.

**3.7 Reserved, FCC 15.407 (d)**

**3.8 Indoor Operation Restriction, FCC 15.407 (e)**

Within the 5.15–5.25 GHz band, U- NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations. This equipment has to be declared by manufacturer of the final product as content of the user manual.

**3.9 Equivalent isotropic radiated power, FCC 15.407 (f)**

FCC Rule: 15.407(b)(3)

Band 1

EIRP = max. conducted output power + antenna gain

EIRP = 20.93 dBm+ (9.02 dBi [antenna gain claimed by manufacturer]) = 29.95 dBm = 988.55 mW

Band 2

EIRP = max. conducted output power + antenna gain

EIRP = 20.94 dBm+ (9.02 dBi [antenna gain claimed by manufacturer]) = 29.96 dBm = 988.55 mW

Band 3

EIRP = max. conducted output power + antenna gain

EIRP = 20.91 dBm+ (9.02 dBi [antenna gain claimed by manufacturer]) = 29.93 dBm = 984.01 mW

Band 4

EIRP = max. conducted output power + antenna gain

EIRP = 21.46 dBm+ (9.02 dBi [antenna gain claimed by manufacturer]) = 30.48 dBm = 1116.86 mW

Test equipment used: ETSTW-RE 055



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**3.10 Exemption Limits for Routine Evaluation  
 according to 47 CFR FCC Part 2 Subpart J, section 2.1091**

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 20 cm normally can be maintained between the user and the device.

**MPE Calculation Method**

**(A) Limits for Occupational/Controlled Exposure**

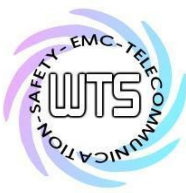
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f <sup>2</sup> )*	6
30-300	61.4	0.163	1.0	6
300-1500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

**(B) 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 <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (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



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E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)  
d = Separation distance between radiator and human body (m)  
The formula can be changed to

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

mW/cm<sup>2</sup>.

Established separation distance is 20 cm.

Operating frequency band: Band 1: 5.150 GHz-5.250 GHz, Band 2: 5.250 GHz-5.350 GHz  
Band 3: 5.470 GHz-5.725 GHz, Band 4: 5.725 GHz-5.850 GHz

The product meets RF exposure requirement.

Because the power density of 0.0279 mW/cm<sup>2</sup> at 5785 MHz is below the power density limit of 1 mW/cm<sup>2</sup>.