

RF Exposure Statement

No. : 22GE0028-YW

Applicant : Matsushita Electric Industrial Co., Ltd.
Type of Equipment : Wireless LAN built-in PC with Whip and External Antenna
Model No. : CF-28
FCC ID : ACJ9TGCF-281

FCC Radiation Exposure Statement:

Matsushita Electric Industrial Co., Ltd Model : CF-28 with Whip and External Antenna complies with FCC radiation exposure requirement specified in the FCC Rules 15.247(b)(4).

Notice in Installation Manual

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should installed and operated with minimum distance 20cm between the radiator and your body(excluding extremities : hands, wrists, and feet). and must not be co-located or operated with any antenna or transmitter.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “CF-28 with Whip and External antenna” as calculated from FCC OET 65 Appendix B, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0m W/cm² uncontrolled exposure limit. The Fires formula used was:

$$S = (P * G) / (4 * \pi * r^2) \quad \text{or} \quad r = \sqrt{(P * G) / (4 * \pi * S)}$$

Where S = 1.0 mW/cm² for 2400 MHz

P = 107.1mW (Maximum Conducted Power)

G = 1.64(Whip and External Antenna gain : Converted absolute value)

r = Minimum safe distance from antenna (cm)

For: CF-28 with Whip and External Antenna r = 3.7cm

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