

RF Exposure Statement

No. : 26GE0204-HO

Applicant : FURUNO SYSTEMS CO., LTD.
Type of Equipment : Handy Terminal
Model No. : PI-13500-W
FCC ID : T87SS23BTXXT

FURUNO SYSTEMS CO., LTD. declares that Model : PI-13500-W
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The “PI-13500-W” has 0.45 mW of conducted Peak Output power and 0.29 mW of EIRP.
This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List)
so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “PI-13500-W” as calculated from FCC OET Bulletin 65 Appendix A, 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 1.0mW/cm² uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

P = 0.45 mW (Maximum peak output power)
G = 0.63 Numerical Antenna gain; equal -2.00 dBi
r = 20.0 cm

For: PI-13500-W

$$S = 0.00006 \text{ mW/cm}^2$$

*Regarding RF Exposure for EUT itself, please refer to UL Apex Test Report No. 26GE0204-HO-C.

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