

RF Exposure for Mobile use

No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
Type of Equipment : Audio Visual Navigation
Model No. : FXDD07KF2
FCC ID : IOM39553

Kenwood Corporation declares that Model : Audio Visual Navigation complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "FXDD07KF2" has 1.01 mW of conducted Peak Output power and 2.45 mW of EIRP. The Following calculation is the reference data for 20cm distance for mobile use.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "FXDD07KF2" 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 = 1.01 mW (Maximum peak output power)
G = 2.43 Numerical Antenna gain; equal 3.86 dBi
r = 20.0 cm

For: FXDD07KF2

$$S = 0.00049 \text{ mW/cm}^2$$