

RF Exposure Statement

No. : 28CE0024-YK-C

Applicant : TOPCON Corporation
Type of Equipment : Global Mapping System
Model No. : GMS-2Pro
FCC ID : LCB-841221

TOPCON Corporation declares that Model : Global Mapping System complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "GMS-2Pro" has 1.06 mW of conducted Peak Output power and 1.68 mW of EIRP. This equipment is considered as a mobile device 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 "GMS-2Pro" 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 = 1.06 mW (Maximum peak output power)
G = 1.58 Numerical Antenna gain; equal 2 dBi
r = 20.0 cm

For: GMS-2Pro

$$S = 0.00033 \text{ mW/cm}^2$$

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