

RF Exposure Statement

No. : 28CE0167-YK-G

Applicant : TOPCON Corporation
Type of Equipment : Remote Display
Model No. : RD-100W
FCC ID : H5P-RD-100W

TOPCON Corporation declares that Model : Remote Display
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.
The "H5P-RD-100W" has 1.26 mW of conducted Peak Output power and 1.83 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 "H5P-RD-100W" 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 = 1.26 mW (Maximum peak output power)
G = 1.46 Numerical Antenna gain; equal 1.64 dBi
r = 20.0 cm

For: RD-100W

$$S = 0.00036 \text{ mW/cm}^2$$

UL Japan, Inc.

YAMAKITA EMC LAB.

907 Kawanishi, Yamakita-machi, Ashigarakami-gun, Kanagawa-ken, 258-0124 JAPAN

Telephone: +81 465 77 1011 Facsimile: +81 465 77 2112