

## RF Exposure Statement

**No. : 28CE0167-YK-F**

**Applicant** : **TOPCON Corporation**  
**Type of Equipment** : **Laser Receiver**  
**Model No.** : **LS-B110W**  
**FCC ID** : **H5P-LS-B110W**

---

TOPCON Corporation declares that Model : Laser Receiver complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "LS-B110W" has 0.9 mW of conducted Peak Output power and 1.31 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 "LS-B110W" 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/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

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

Where

**P = 0.90 mW (Maximum peak output power)**  
**G = 1.46 Numerical Antenna gain; equal 1.64 dBi**  
**r = 20.0 cm**

**For: LS-B110W**

$$S = 0.00026 \text{ mW/cm}^2$$

---

***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