

## RF Exposure / SAR Statement

**No. : 30JE0177-YK-01-A**

**Applicant** : Alpine Electronics, Inc.  
**Type of Equipment** : Bluetooth PWB  
**Model No.** : ICS-X8 BT PWB  
**FCC ID** : A269ZUA133

---

Alpine Electronics, Inc. declares that Model : Bluetooth PWB complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "ICS-X8 BT PWB" has 1.05 mW of conducted Peak Output power and 0.72 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 "ICS-X8 BT PWB" 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 = 1.05 mW (Maximum peak output power)**  
**G = 0.69 Numerical Antenna gain; equal -1.60 dBi**  
**r = 20.0 cm**

**For: ICS-X8 BT PWB**

$$S = 0.00014 \text{ mW/cm}^2$$

---

**UL Japan, Inc.**

**Shonan EMC Lab.**

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401