

## RF Exposure / SAR Statement

**No. : 32CE0136-SH-01-A**

**Applicant** : FUKUDA DENSHI CO., LTD.  
**Type of Equipment** : TM XMTR Module  
**Model No.** : HLX-801  
**FCC ID** : DV8HLX801

---

FUKUDA DENSHI CO., LTD. declares that Model : TM XMTR Module complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "HLX-801" has 0.91 mW of conducted Peak Output power and 1.49 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.  
\*Since the EUT is actually fixed at the back of the host equipment(Main Unit: DSC-8530) with a screw.

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "HLX-801" 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 0.41mW/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

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

Where

**P = 0.91 mW (Maximum peak output power)**  
**G = 1.64 Numerical Antenna gain; equal to 2.14 dBi**  
**r = 20.0 cm**

**For: HLX-801**

$$S = 0.00030 \text{ mW/cm}^2$$

---

**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