

## **RF Exposure / SAR Statement**

**No. : 10028551S-F**

**Applicant** : **ALPS ELECTRIC CO., LTD.**  
**Type of Equipment** : **Wi-Fi™ and BLUETOOTH™ Combination Module**  
**Model No.** : **UGZZF-1**  
**FCC ID** : **CWTUGZZF1**

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ALPS ELECTRIC CO., LTD. declares that Model : Wi-Fi™ and BLUETOOTH™ Combination Module complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the “UGZZF-1“ as calculated from FCC Part 1, §1.1310, TABLE 1 (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 = 129.42 mW (Maximum peak output power)**  
**G = 1.82 Numerical Antenna gain; equal 2.60 dBi**  
**r = 20.0 cm**

**For: UGZZF-1**

$$S = 0.04685 \text{ mW/cm}^2$$

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**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