

RF Exposure / SAR Statement

No. : 10028551S-G

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

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/cm² uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 1.55 mW (Maximum peak output power)
G = 1.91 Numerical Antenna gain; equal 2.80 dBi
r = 20.0 cm

For: UGZZF-1

$$S = 0.00059 \text{ mW/cm}^2$$

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