

## **RF Exposure / SAR Statement**

**No. : 29BE0200-YK-A**

**Applicant : SUMITOMO PRECISION PRODUCTS CO., LTD.**  
**Type of Equipment : neoMOTE (IEEE802.15.4 2.4GHz RF Transceiver)**  
**Model No. : WM-Z1110**  
**FCC ID : WWGZ1110**

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SUMITOMO PRECISION PRODUCTS CO., LTD. declares that Model : neoMOTE (IEEE802.15.4 2.4GHz RF Transceiver) complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093.

The "WM-Z1110" has 0.58 mW of conducted Peak Output power and 0.94 mW of EIRP.

This kind of equipment is below 60/frequency[MHz] W (TCB Exclusion List) 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 "WM-Z1110" 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 = 0.58 mW (Maximum peak output power)**  
**G = 1.64 Numerical Antenna gain; equal 2.14 dBi**  
**r = 20.0 cm**

**For: WM-Z1110**

$$S = 0.00019 \text{ mW/cm}^2$$

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