

RF Exposure / SAR Statement

No. : 31FE0078-SH-01-A

Applicant : SUMITIOMO PRECISION PRODUCTS CO.,LTD
Type of Equipment : 2.4GHz/10mW TRANSCEIVER MODULE
Model No. : WM-Z2200
FCC ID : W W G Z2200

SUMITIOMO PRECISION PRODUCTS CO.,LTD declares that Model : 2.4GHz/10mW TRANSCEIVER MODULE complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093.

The "WM-Z2200" has 10.72 mW of conducted Peak Output power and 16.98 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-Z2200" 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/cm² uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 10.72 mW (Maximum peak output power)
G = 1.58 Numerical Antenna gain; equal 2.00 dBi
r = 20.0 cm

For: WM-Z2200

$$S = 0.00338 \text{ mW/cm}^2$$

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