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Report Number: 60.790.15.011.01

Model No.: WAE Outdoor 04Plus

Radiofrequency radiation exposure evaluation

According to KDB 447498 D01v06 section 4.3.1,

>> The 1-g SAR test exclusion thresholds, for 100MHz to 6GHz, at test separation distances ≤ 50 mm are determined by:

Power at 2402MHz = 0.6180 mW EIRP

Power at 2440MHz = 0.6251 mW EIRP

Power at 2480MHz = 0.5888 mW EIRP

$[(0.6180 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.402 \text{ GHz})] = 0.0479$ which is ≤ 3.0 for 1-g SAR.

$[(0.6251 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.440 \text{ GHz})] = 0.0488$ which is ≤ 3.0 for 1-g SAR.

$[(0.5888 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.480 \text{ GHz})] = 0.0463$ which is ≤ 3.0 for 1-g SAR.

Therefore the device is exempt from stand-alone SAR test requirements.

>> The fundamental frequency of the EUT is 2402MHz-2480MHz, the test separation distance is < 50 mm. (Manufacturer specified the separation distance is: 20mm)

>> The power of EUT measured is:

- For 2402MHz: $0.6180\text{mW} = 10 \log(0.6180) \text{ dBm} \sim -2.09\text{dBm}$

- For 2440MHz: $0.6251\text{mW} = 10 \log(0.6251) \text{ dBm} \sim -2.04\text{dBm}$

- For 2480MHz: $0.5888\text{mW} = 10 \log(0.5888) \text{ dBm} \sim -2.30\text{dBm}$