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Report Number: 60.790.15.037.01

Model No.: WAE Outdoor RUSH

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 2.402GHz = 2.0230 mW EIRP

Power at 2.440GHz = 2.0044 mW EIRP

Power at 2.480GHz = 1.9408 mW EIRP

$[(2.0230 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.402 \text{ GHz})] = 0.1567$ which is ≤ 3.0 for 1-g SAR.

$[(2.0044 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.440 \text{ GHz})] = 0.1565$ which is ≤ 3.0 for 1-g SAR.

$[(1.9408 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.480 \text{ GHz})] = 0.1528$ 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: $2.0230\text{mW} = 10 \log(2.0230) \text{ dBm} \sim 3.06\text{dBm}$

- For 2440MHz: $2.0044\text{mW} = 10 \log(2.0044) \text{ dBm} \sim 3.02\text{dBm}$

- For 2480MHz: $1.9408\text{mW} = 10 \log(1.9408) \text{ dBm} \sim 2.88\text{dBm}$