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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 mW) / (20 mm)] · [sqrt (2.402 GHz)] = 0.1567 which is ≤ 3.0 for 1-g SAR.
[(2.0044 mW) / (20 mm)] · [sqrt (2.440 GHz)] = 0.1565 which is ≤ 3.0 for 1-g SAR.
[(1.9408 mW) / (20 mm)] · [sqrt (2.480 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 < 50mm. (Manufacturer specified the separation distance is: 20mm)

>> The power of EUT measured is:

- For 2402MHz: 2.0230mW = 10 log (2.0230) dBm ~ 3.06dBm
- For 2440MHz: 2.0044mW = 10 log (2.0044) dBm ~ 3.02dBm
- For 2480MHz: 1.9408mW = 10 log (1.9408) dBm ~ 2.88dBm

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