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Report Number: 60.790.16.014.01

Model No.: HRMBLEM

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 = 0.0749 mW EIRP

Power at 2.440GHz = 0.0736 mW EIRP

Power at 2.480GHz = 0.0741 mW EIRP

$[(0.0749 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.402 \text{ GHz})] = 0.02321$ which is ≤ 3.0 for 1-g SAR.

$[(0.0736 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.440 \text{ GHz})] = 0.02299$ which is ≤ 3.0 for 1-g SAR.

$[(0.0741 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.480 \text{ GHz})] = 0.02333$ 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: less than 5mm)

>> The power of EUT measured is:

- For 2402MHz: $0.0749\text{mW} = 10 \log (0.0749) \text{ dBm} \sim -11.25\text{dBm}$

- For 2440MHz: $0.0736\text{mW} = 10 \log (0.0736) \text{ dBm} \sim -11.33\text{dBm}$

- For 2480MHz: $0.0741\text{mW} = 10 \log (0.0741) \text{ dBm} \sim -11.30\text{dBm}$