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Report Number: 60.790.15.036.01
Model No.: HSTNW-D03W

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 = 0.1153 mW EIRP

Power at 2.440GHz = 0.1047 mW EIRP

Power at 2.480GHz = 0.1150 mW EIRP

$[(0.1153 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.402 \text{ GHz})] = 0.0357$ which is ≤ 3.0 for 1-g SAR.

$[(0.1047 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.440 \text{ GHz})] = 0.0327$ which is ≤ 3.0 for 1-g SAR.

$[(0.1150 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.480 \text{ GHz})] = 0.0362$ 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: $0.1153\text{mW} = 10 \log(0.1153) \text{ dBm} \sim -9.38\text{dBm}$

- For 2440MHz: $0.1047\text{mW} = 10 \log(0.1047) \text{ dBm} \sim -9.80\text{dBm}$

- For 2480MHz: $0.1150\text{mW} = 10 \log(0.1150) \text{ dBm} \sim -9.39\text{dBm}$