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Report Number: 60.XXX.16.XXX.01

Model No.: HSTNW-D08W

## 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 = 0.3946 mW EIRP Power at 2440MHz = 0.3973 mW EIRP Power at 2480MHz = 0.3973 mW EIRP

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[(0.3946 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt} (2.402 \text{ GHz})] = 0.1223 \text{ which is } \le 3.0 \text{ for } 1\text{-g SAR}. [(0.3973 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt} (2.440 \text{ GHz})] = 0.1241 \text{ which is } \le 3.0 \text{ for } 1\text{-g SAR}. [(0.3973 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt} (2.480 \text{ GHz})] = 0.1251 \text{ which is } \le 3.0 \text{ for } 1\text{-g SAR}.
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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: less than 5mm)
- >> The power of EUT measured is:
- For 2402MHz: 0.3946mW = 10 log (0.3946) dBm ~ -4.04dBm
- For 2440MHz: 0.3973mW = 10 log (0.3973) dBm  $\sim$  -4.01dBm
- For 2480MHz: 0.3973mW =  $10 log (0.3973) dBm \sim -4.01$ dBm