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Report Number: 60.790.15.028.01

Model No.: HSTNW-D01W

### **Radiofrequency radiation exposure evaluation**

According to KDB 447498 D01v05r02 section 4.3.1,

>> The 1-g SAR test exclusion thresholds, for 100MHz to 6GHz, at test separation distances  $\leq 50$  mm are determined by:

Power at 2402GHz = 0.0453 mW EIRP

Power at 2440GHz = 0.0459 mW EIRP

Power at 2480GHz = 0.0485 mW EIRP

$[(0.0453 \text{ mW}) / (50 \text{ mm})] \cdot [\text{sqrt}(2402 \text{ GHz})] = 0.0444$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0459 \text{ mW}) / (50 \text{ mm})] \cdot [\text{sqrt}(2440 \text{ GHz})] = 0.0453$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0485 \text{ mW}) / (50 \text{ mm})] \cdot [\text{sqrt}(2480 \text{ GHz})] = 0.0483$  which is  $\leq 3.0$  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.

>> The power of EUT measured is:

- For 2402MHz:  $0.0453\text{mW} = 10 \log(0.0453) \text{ dBm} \sim -13.43\text{dBm}$

- For 2440MHz:  $0.0459\text{mW} = 10 \log(0.0459) \text{ dBm} \sim -13.38\text{dBm}$

- For 2480MHz:  $0.0485\text{mW} = 10 \log(0.0485) \text{ dBm} \sim -13.14\text{dBm}$