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Report Number: 60.960.15.139.01

Model No.: HSTNW-D02W

### **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 2402MHz = 0.0570 mW EIRP

Power at 2440MHz = 0.0579 mW EIRP

Power at 2480MHz = 0.0609 mW EIRP

$[(0.0570 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.402 \text{ GHz})] = 0.0176$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0579 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.440 \text{ GHz})] = 0.0180$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0609 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.480 \text{ GHz})] = 0.0191$  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. (Manufactuer Specification distance is  $< 5$ mm)

>> The power of EUT measured is:

- For 2402MHz:  $0.0570\text{mW} = 10 \log(0.0570) \text{ dBm} \sim -12.44\text{dBm}$

- For 2440MHz:  $0.0579\text{mW} = 10 \log(0.0579) \text{ dBm} \sim -12.37\text{dBm}$

- For 2480MHz:  $0.0609\text{mW} = 10 \log(0.0609) \text{ dBm} \sim -12.15\text{dBm}$