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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

[(0.3946 mW) / (5 mm)] · [sqrt (2.402 GHz)] = 0.1223 which is ≤ 3.0 for 1-g SAR.
[(0.3973 mW) / (5 mm)] · [sqrt (2.440 GHz)] = 0.1241 which is ≤ 3.0 for 1-g SAR.
[(0.3973 mW) / (5 mm)] · [sqrt (2.480 GHz)] = 0.1251 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 < 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 ~ -4.01dBm
- For 2480MHz: 0.3973mW = 10 log (0.3973) dBm ~ -4.01dBm

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