

DT-9969 RF-EXPOSURE ASSESSMENT

FCC ID: WIGDT9969

The maximum power output is: 4dBm, 2.51mW.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,

where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

Assessment results: PASS

FCC SAR test exclusion condition:

$$2.51[\text{mW}]/5.0[\text{mm}] * [\sqrt{2.48(\text{GHz})}] = 0.8 < 7.5$$