

12.RF EXPOSURE STATEMENT

According to FCC KDB 447498 D01:

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

As to this device,

The max. power of channel is $-4.659\text{dBm} = 0.342\text{mW}$

The min. test separation distance = 5mm

$F(\text{GHz}) = 2.402$

So the result = $(0.342\text{ mW} / 5\text{mm}) \cdot \sqrt{2.402} = 0.106 < 3$

Then the SAR Test to this device can be excluded.