



RF Exposure evaluation

According to 447498 D01 General RF Exposure Guidance v06

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:

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

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Here,

| Mode | MIMO Power (dBm) | Tune-up power (dBm) | Max Power (mW) | Frequency(MHz) | Min. Distance (mm) | Calc. thresholds | limit |
|------|------------------|---------------------|----------------|----------------|--------------------|------------------|-------|
| BLE | -0.34 | 0±1 | 1.26 | 2440 | 5 | 0.3904 | 3.0 |

So a SAR test is not required