

## 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  $\leq$  50 mm are determined by:

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

Output power(dBm)	Turn up(dBm)
7.708	8

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

The result is rounded to one decimal place for comparison

Worse case is as below: [2413MHz: 8dBm (6.310mW)]

$(6.310\text{mW} / 5\text{mm}) \cdot [\sqrt{2.413(\text{GHz})}] = 1.9604 < 3.0 \text{ for 1-g SAR}$

Then SAR evaluation is not required