RF Exposure evaluation

According to KDB 447498 D01 General RF Exposure Guidance v05

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test

separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g

extremity SAR, where

f(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

Worse case is as below: [2440 MHz -4.48dBm (0.356 mW)output power]

 $(0.356 \text{ mW /5mm}) \cdot [\sqrt{2.440(GHz)}] = 0.112 < 3.0 \text{ for } 1-\text{g SAR}$

Then SAR evaluation is not required