

RF Exposure Report

KDB 447498 D01 v06 section 4.3.1 SAR test exclusion thresholds formula:

a) For 100 MHz to 6 GHz and *test separation distances* \leq 50 mm, the 1-g and 10-g *SAR test exclusion thresholds* are determined by the following:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR,}^{30} \text{ where}$$

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz

Tune-up Procedure

EUT Max technical (average) output power: 13dBm/20mW

Extremity-SAR

The reasonable distance is min 5mm

$20\text{mW} / 5\text{mm} \times (2.462)^{0.5} = 6.28$

$6.28 < \text{extremity-SAR test exclusion thresholds limit} = 7.5$

Body-SAR

The reasonable distance is min 20mm

$20\text{mW} / 20\text{mm} \times (2.462)^{0.5} = 1.57$

$1.57 < \text{body-SAR test exclusion thresholds limit} = 3.0$

So the Extremity-SAR and Body-SAR needless assess.