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)] •[√f(GHz)] ⩽ 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: [2402 MHz  -0.92 dBm( 0.809mW) output power]

(0.809mW /5mm) •[√2.402(GHz)]= 0.25 <3.0 for 1-g SAR

Then SAR evaluation is not required