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 \leq 50 mm are determined by: [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] \leq 3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in $\ensuremath{\mbox{GHz}}$
- ${}^{\raisebox{-.2ex}{$\scriptscriptstyle\bullet$}}$ Power and distance are rounded to the nearest mW and mm before calculation
- $\boldsymbol{\cdot}$ The result is rounded to one decimal place for comparison

Worse case is as below: [2412 MHz 9.77 dBm (9.49 mW) output power]

(9.49 mW /5mm) • [$\sqrt{2.412}$ (GHz)]= 2.95 <3.0 for 1-g SAR

Then SAR evaluation is not required