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)] $\cdot [\sqrt{f(GHz)}] \leq 3.0$ for 1-g SAR and \leq 7.5 for 10-g extremity SAR, where \cdot f(GHz) is the RF channel transmit frequency in GHz \cdot Power and distance are rounded to the nearest mW and mm before calculation \cdot The result is rounded to one decimal place for comparison Worse case is as below: The worst case: The minimum distance from antenna to human body (hand) is 20mm. (29.7 mW /20mm) $\cdot [\sqrt{2.480} (GHz)] = 2.34 < 3.0$ for 1-g SAR

Then SAR evaluation is not required



