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 of BLE is as below: [2480MHz 7.251dBm(5.31mW)output power]

(5.31 mW /5mm) •[√2.480(GHz)]= 1.7 <3.0 for 1-g SAR

Worse case of BT is as below: [2402MHz 6.321dBm(4.286mW)output power]

(4.286 mW /5mm) •[√2.402(GHz)]= 1.33 <3.0 for 1-g SAR

Then SAR evaluation is not required