RF Exposure evaluation

According to 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

WIFI:

Worse case is as below: [2412 MHz 8.75dBm（ 7.499 mW）output power]

(7.499 mW /5mm) •[√2.412(GHz)]= 2.32 <3.0 for 1-g SAR

BLE:

Worse case is as below: [2402 MHz 2.19dBm（ 1.656 mW）output power]

(1.656 mW /5mm) •[√2.402(GHz)]= 0.5 <3.0 for 1-g SAR

BT:

Worse case is as below: [2402 MHz 4.95dBm（3.126 mW）output power]

(3.126 mW /5mm) •[√2.402(GHz)]= 0.97 <3.0 for 1-g SAR

Then SAR evaluation is not required