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

For Bluetooth BR/EDR

pt=7.556dBm =5.70mW at 2402MHz

So (5.70mW/5mm)x $\sqrt{}$ 2.402GHz = 1.767<3

For BLE

pt=3.277dBm =2.13mW at 2402MHz

So (2.13mW/5mm)x $\sqrt{}$ 2.402GHz = 0.660<3

For 2.4GHz wifi

pt=9.64dBm =9.21mW at 2412MHz

So (9.21mW/5mm)x $\sqrt{}$ 2.412GHz = 2.861<3

For 5GHz wifi

pt=6.11dBm =4.08mW at 5745MHz

So (4.08mW/5mm)x $\sqrt{}$ 5.745GHz = 1.956<3

Then SAR evaluation is not required