RF Exposure Letter

According to 447498 D01 General RF Exposure Guidance v06

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 GHz

    Power and distance are rounded to the nearest mW and mm before calculation

    The result is rounded to one decimal place for comparison

BLE

pt= 3.26dBm=2.12mW at 2440MHz

So (2.12mW/5mm)x $\sqrt{2.440GHz}$ =0.6618<3

13.56MHZ:

d=3m

EIRP(dBm)=E(dB μ V/m)-95.3mW=10[dBm/10]

pt= 56.54dBuV/m =-38.69dBm=0.0001mW at 13.56MHz

So (0.0001mW<474mW Then SAR evaluation is not required)

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