

RF Exposure Letter

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: $[(\text{max. power of channel, including tune - up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ 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 two decimals place for comparison

BT:

pt=3.09dBm=2.037mW at 2402MHz

So $(2.037\text{mW}/5\text{mm}) \times \sqrt{2.402\text{GHz}} = 0.631 < 3$

Then SAR evaluation is not required

FM:

d=3m

EIRP(dBm)=E(dB μ V/m)-95.3mW

pt=55.42dB μ V/m =-39.88dBm=0.0001mW at 98.1MHz

So $(0.0001\text{mW}/5\text{mm}) \times \sqrt{0.0981\text{GHz}} = 0.000006 < 3$

Then SAR evaluation is not required

Note: This product does not support TX Simultaneous.