

RF Exposure evaluation

2AW9KEW1

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: $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where } f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$

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 low Energy

pt=**0.72dBm=1.180mW** at **2402MHz**

So **(1.180mW/5mm) x $\sqrt{2.402\text{GHz}} = 0.37 < 3$**

Then SAR evaluation is not required