RF exposure letter

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

Rated RF power output

1、2.402-2.480GHz:

Mode	BT
Detector	PK
GFSK	6±1dBm
π/4-DQPSK	7±1dBm
8DPSK	7±1dBm

2、2.4G BT output power: 8dBm=6.31mW

2402MHz ： (6.31mW /5mm) •[√2.402(GHz)]=1.96<3.0 for 1-g SAR

2440MHz ： (6.31mW /5mm) •[√2.440(GHz)]=1.97<3.0 for 1-g SAR

2480MHz ： (6.31mW /5mm) •[√2.480(GHz)]=1.99<3.0 for 1-g SAR

Then SAR evaluation is not required