



## RF exposure

FCC ID : 2AS9T-AMB100

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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]$

$\cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR,

Where;

$f(\text{GHz})$  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

### Results

#### Tune-up

Operation mode	Frequency (MHz)	Average output power (dBm)	Maximum Average output power (dBm)
BLE 1 Mbps	2 402	2.00 dB m ( $\pm 1.00$ dB)	Max: 3.00 dBm
	2 442	2.00 dB m ( $\pm 1.00$ dB)	Max: 3.00 dBm
	2 480	2.00 dB m ( $\pm 1.00$ dB)	Max: 3.00 dBm

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation Value	Exclusion Threshold
		(dBm)	(mW)		
2.402	5	3.00	1.995	0.618	$\leq 3.0$
2 442	5	3.00	1.995	0.624	
2 480	5	3.00	1.995	0.628	