

## FCC ID: 2ADZH-BW03

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  $\leq$  50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\left[\sqrt{f(GHz)}\right] \le 3.0$  for 1-g SAR and  $\le 7.5$  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

eirp = pt x qt =  $(EXd)^2/30$ where:

pt = transmitter output power in watts, gt = numeric gain of the transmitting antenna (unitless), 10<sup>((dBuV/m)/20)</sup>/10<sup>6</sup> E = electric field strength in V/m,--d = measurement distance in meters (m) ---3m So  $pt = (EXd)^2/30 x qt$ 

## For BT DSS mode

Field strength = 96.39dBuV/m @3m Ant gain =2.0dBi, so Ant numeric gain=1.58

So pt={  $[10^{(96.39/20)}/10^6 \times 3]^2/30 \times 1.58$ }x1000 mW =0.824mW So (0.824mW /5mm)x √2.402 = 0.255<3

## For BT DTS mode

Field strength = 90.53dBuV/m @3m Ant gain =2.0dBi, so Ant numeric gain=1.58

So pt={  $[10^{(90.53/20)}/10^6 \times 3]^2/30\times 1.58$ }x1000 mW = 0.214mW So  $(0.214 \text{mW} / 5 \text{mm}) \times \sqrt{2.440} = 0.067 < 3$ 

Then SAR evaluation is not required