

## RF Exposure Requirements

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Product Description: Door & Window Sensor

Model No.: DW1

FCC ID: 2AHDIDW1

According to the KDB 447498 D01 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, 16 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

### Bluetooth(BLE)

Conducted Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
-3.694	0.43	5	2.402	0.13	3

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$ :  $0.43/5 \cdot \sqrt{2.402} = 0.13$

The exclusion threshold is less than 3, therefore, the RF exposure evaluation is not required.