

# RF Exposure evaluation

FCC ID: X4YHASS130

## 1. Reference

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:

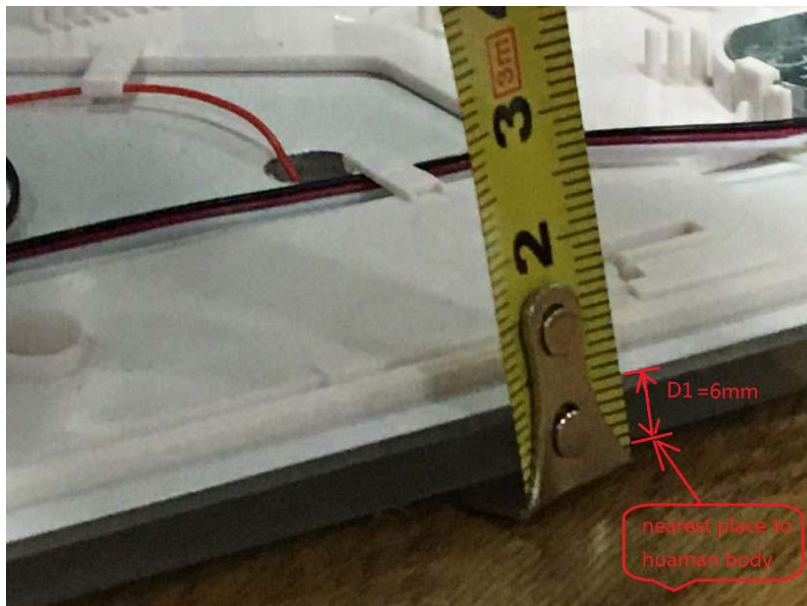
$f(\text{GHz})$  is the RF channel transmit frequency in GHz

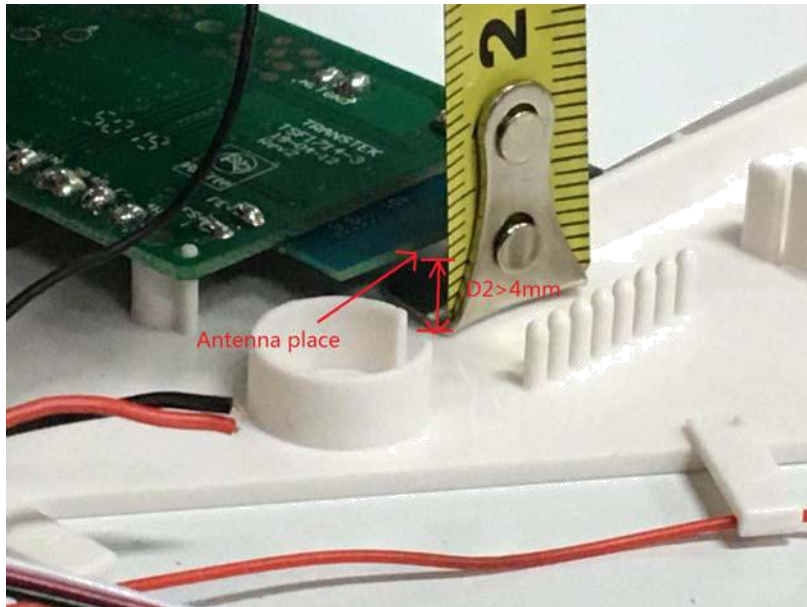
Power and distance are rounded to the nearest mW and mm before calculation The result is rounded to one decimal place for comparison

## 2. Test distance

As the plot exhibit below, the distance of body to the Antenna plane is more than 10mm.

$$d=d1+d2>10\text{mm}$$





### 3. Result

As the antenna EUT used was 0dBi and h duty cycle  $\geq 98\%$  in test report, the sar exclusion value can obtained.

$P_t = 15.17\text{dBm} = 32.88\text{mW}$

Worse case is as below:

Frequency (MHz)	TX Power (mw)	Separation Distance (mm)	calculated value	exclusion thresholds
2412	32.88	10	5.1	7.5

### 4. Conclusion

The SAR evaluation is not required.