

## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	BLUETOOTH SPEAKER WITH LIGHT
Model Name	BTP180
Series Model	BTP180 series (BTP180Z/ BTP180FZZ/ BTP180IZ/ BTP180DESZ/ BTP180TVZ/BTP180MZ)
FCC ID	UU8- BTP180

### 2. EVALUATION METHOD

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 ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot [\sqrt{f(GHz)}] \le 3.0$  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

#### 3. CALCULATION

Pt=-0.522dBm=0.887mW

The value of the Maximum output power P<sub>t</sub> is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(0.887mW /5mm) .[ $\sqrt{2.402}$ GHz)]=0.275<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

# 4. CONCLUSION

The SAR evaluation is not required.

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