

# RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	PureBoom Speaker
Model Name	10262PG
FCC ID	2AIIF-10262PG

#### 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

### **BR/EDR**

Pt= -0.288dBm=0.94mW

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47  $\S 15.247$ .

The result for RF exposure evaluation SAR=(0.94mW /5mm) .[ $\sqrt{2.402}$ GHz)]=0.29<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

### BLE 1M:

 $P_t = -1.033 dBm = 0.79 mW$ 

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=(0.79mW/5mm).[ $\sqrt{2.402\text{GHz}}$ )]=0.24<3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

### BLE 2M:

P<sub>t</sub>= -1.556dBm=0.70mW

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=(0.70mW /5mm) .[ $\sqrt{2.402}$ GHz)]=0.22<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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