## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	TWS Earbuds
Model Name	Orbic Buds
FCC ID	2ABGH-ORBIC

#### 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)]  $[\sqrt{f(GHz)}] \le 3.0$  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

Right earphone

Pt=-3.042dBm=0.50mW

The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR= $(0.50 \text{mW} / 5 \text{mm}) . [\sqrt{2.402} (\text{GHz})] = 0.16 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

Left earphone

Pt=-6.286dBm=0.24mW

The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(0.24mW /5mm) .[ $\sqrt{2.441}$ (GHz)]= 0.07<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

#### 4. CONCLUSION

The SAR evaluation is not required.