

# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	TWS Earphones	0	8	A
Model Name	BH-T01	10	NGC	
FCC ID	2ARDYBH-T01	<u>.</u>	®	

#### 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

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= 2.175dBm=1.65mW

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= $(1.65 \text{mW} / 5 \text{mm}) . [\sqrt{2.480 \text{GHz}}] = 0.52 < 3.0 for 1-g SAR and <math>\leq 7.5$  for 10-g extremity SAR.

BLE:

Pt=2.608dBm=1.82mW

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=(1.82mW /5mm) .[ $\sqrt{2.402}$ (GHz)]=0.56<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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