



RF Exposure Evaluation

FCC ID: 2AMWY-H1

1. Client Information

Applicant	:	Shenzhen Pincun Digital Technology Co., Ltd.
Address	:	2407, Building 11, Phase II, Tianan Yungu Industrial Park, Gangtou Community, Bantian Street, Longgang District, Shenzhen City, China
Manufacturer	:	Shenzhen Pincun Digital Technology Co., Ltd.
Address	:	2407, Building 11, Phase II, Tianan Yungu Industrial Park, Gangtou Community, Bantian Street, Longgang District, Shenzhen City, China

2. General Description of EUT

EUT Name	:	Wireless Headphone	
Model(s) No.	:	picun H1, picun H1S, picun W2, picun QW-10, picun H2	
Model Difference	:	All these models are identical in the same PCB, layout and electrical circuit, the only difference is appearance.	
Product Description	:	Operation Frequency:	Bluetooth 5.3(BR+EDR): 2402MHz~2480MHz
		Number of Channel:	79 channels
		Antenna Gain:	2.67dBi Chip Antenna
		Modulation Type:	GFSK(1Mbps) π/4-DQPSK(2Mbps)
Power Rating	:	USB Input: DC 5V	
Power Rating (Charger Box)	:	DC 3.7V by 250mAh 0.925Wh Rechargeable Li-ion battery	
Power Rating (Earphone)	:	DC 3.7V by 50mAh Rechargeable Li-ion battery	
Software Version	:	1.00	
Hardware Version	:	1.00	
<p>Remark: The antenna gain provided by the applicant, the adapter and verified for the RF conduction test and adapter provided by TOBY test lab.</p>			

Note: More test information about the EUT please refer the RF Test Report.

SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

(1) Clause 4.3: General SAR test reduction and exclusion guidance

Sub clause 4.31: Standalone SAR test exclusion considerations

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance ≤ 5 mm are determined by:

$$\frac{[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f(\text{GHz})}]}{\leq 3.0 \text{ for 1-g SAR}}$$

$$\frac{[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f(\text{GHz})}]}{\leq 7.5.0 \text{ for 10-g SAR}}$$



2. Calculation:

Test separation: 5mm						
Bluetooth Mode (GFSK)						
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dBm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-8.238	-8±1	-7	0.2	0.062	3.0
2.441	-7.604	-7±1	-6	0.251	0.078	3.0
2.480	-7.345	-7±1	-6	0.251	0.079	3.0
Bluetooth Mode (Pi/4-DQPSK)						
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dBm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-7.357	-7±1	-6	0.251	0.078	3.0
2.441	-6.771	-6±1	-5	0.316	0.099	3.0
2.480	-6.423	-6±1	-5	0.316	0.100	3.0

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

-----END OF THE REPORT-----

