

RF Exposure Evaluation

FCC ID: 2AMWY-ANC-01

1. Client Information

Applicant	:	Shenzhen PINCUN digital technology Co., Ltd.
Address	:	5C038, Exchange Square, 2 South China City, Pinghu Street, Longgang District, Shenzhen, Guangdong, China. 518111
Manufacturer	:	Shenzhen Pinyu Electronics Co., Ltd.
Address	:	No. 169, Xinmu Road, Xinmu Villiage, Pinghu Street, Longgang Dist., Shenzhen, Guangdong, China

2. General Description of EUT

EUT Name	:	Earphones	
Models No.	:	ANC-01, H26-X, H18-X, H18S, H80, H80-X, X3, U1-B, Y2-X, Y2-C, S18, G1, G1-X, T6, Y2-A	
Model Difference	:	Color and appearance are different	
Product Description	:	Operation Frequency:	Bluetooth V5.0(BT): 2402~2480 MHz
	:	Antenna Gain:	-0.58dBi PCB Antenna
	:	Modulation Type:	GFSK
Power Rating	:	Input: DC 5V DC 3.7V 200mAh by Li-ion battery	
Software Version	:	V7.3	
Hardware Version	:	V3.0	
Connecting I/O Port(S)	:	Please refer to the User's Manual	
Remark	:	The antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.	

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:

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

- [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)] * $\sqrt{f_{\text{(GHz)}}} \leq 7.5.0$ 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	-1.936	-1 ± 1	0	1.000	0.310	3.0
2.441	-0.829	-0 ± 1	1	1.259	0.393	3.0
2.480	-0.415	-0 ± 1	1	1.259	0.397	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.

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