RF Exposure Evaluation
FCC ID: 2AMWY-B8

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	:	Headphone	
Model(s) No.	:	B8, P26, PK-1, P16, P20, B9, B9-X, B6, B16, B20, B10, B12, BT-08, B21, B26, B26-X, B29, LUCKY CAT, N1, ANC-02, ANC-06, E3, E5, E6, BG-1, BG-2, BG-3	
Model Different	:	All these models are identical in the same PCB, layout and electrical circuit, the only difference is appearance.	
Sample ID	:	20210113-04-1#& 20210113-04-2#	
Product Description	:	Operation Frequency:	Bluetooth 4.2: 2402MHz~2480MHz
		Number of Channel:	Bluetooth 4.2: 79 channels
		RF Output Power:	Bluetooth: 4.275dBm(π/4-DQPSK)
		Antenna Gain:	1.01dBi PCB Antenna
		Modulation Type:	GFSK, π/4-DQPSK
		Bit Rate of Transmitter:	1/2Mbps
Power Supply	:	Input: DC 5V. DC 3.7V by 1000mAh Li-ion battery.	
Software Version	:	VER1.0	
Hardware Version	:	VER1.0	
Remark: The antenna gain provided by the applicant, the adapter and verified for the RF conduction test and adapter provided by TOBY test lab.			

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

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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)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤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	2.786	3±1	4	2.512	0.779	**3.0**
2.441	3.463	3±1	4	2.512	0.785	**3.0**
2.480	3.404	3±1	4	2.512	0.791	**3.0**
Bluetooth Mode (π /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	3.661	4±1	5	3.162	0.980	**3.0**
2.441	4.275	4±1	5	3.162	0.988	**3.0**
2.480	4.167	4±1	5	3.162	0.996	**3.0**

Conclusion:

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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