

FCC RF Exposure

Applicant : Shenzhen SonoCycle Technology Co., Ltd.
Address : Room 803, Building 6, Digital Intelligent Manufacturing Center, No. 238 Longsheng Road, Longsheng Community, Dalang Street, Longhua District, Shenzhen, China
Product Name : Wireless Headphones
Brand Mark : SOUNDPEATS
Model : Aura Nebula
Series model : Capsule5 Pro, Capsule5 Pro+, Lite30, C50, Q3 Pro, Aura Stellar, Aura Orion, Aura Cosmos, FluxClip, ZenClip, T3 Pro
Report Number : BLA-EMC-202609-A04-04
FCC ID : 2BVLM-YX003
Date of Receipt : Sep. 2, 2026
Date of Test : Sep. 2, 2026 to Oct. 12, 2026
Test Standard : KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: *Hugh* Review by: *Xavier* Approved by: *Blue Zheng*
Issued Date: Oct. 12, 2026

BlueAsia Technical Services(Shenzhen) Co., Ltd.

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China



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Revise Record

Version No.	Date	Description
01	Oct. 12, 2026	Original

1 General information

1.1 General information

Applicant	Shenzhen SonoCycle Technology Co., Ltd.
Address	Room 803, Building 6, Digital Intelligent Manufacturing Center, No. 238 Longsheng Road, Longsheng Community, Dalang Street, Longhua District, Shenzhen, China
Manufacturer	Shenzhen SonoCycle Technology Co., Ltd.
Address	Room 803, Building 6, Digital Intelligent Manufacturing Center, No. 238 Longsheng Road, Longsheng Community, Dalang Street, Longhua District, Shenzhen, China
Factory	Dongguan Roker Intelligent Technology Co., Ltd.
Address	Building 3, No. 35, Dongping Road Changping Section, Changping Town, Dongguan, Guangdong, China

1.2 General description of EUT

Product name	Wireless Headphones
Model no.	Aura Nebula
Series model	Capsule5 Pro, Capsule5 Pro+, Lite30、C50, Q3 Pro, Aura Stellar, Aura Orion, Aura Cosmos, FluxClip, ZenClip, T3 Pro
Desc of series model	The above models have the same Circuit diagram, PCB layout and all electrical construction, assets and security mechanisms. The difference lies only model name and color.
Power supply or adapter information	Headphone: DC3.6V
Hardware version	V1.0
Software version	N/A
Engineer sample no.	BLA-EMC-202609-A04-Left earphone BLA-EMC-202609-A04-Right earphone
<i>Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.</i>	

For BT

Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK, π /4DQPSK, 8DPSK
Channel Spacing	1MHz
Number of Channels	79
Antenna Type	FPC antenna
Antenna Gain	Left: 0.82dBi(Provided by customer) Right: 0.40dBi(Provided by customer)

For BLE

Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK
Rate data	1Mbps; 2Mbps
Channel Spacing	2MHz
Number of Channels	40
Antenna Type	FPC antenna
Antenna Gain	Left: 0.82dBi(Provided by customer) Right: 0.40dBi(Provided by customer)

2 Laboratory and accreditations

The test facility is recognized, certified, or accredited by the following organizations:

Company name:	BlueAsia Technical Services (Shenzhen) Co.,Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
Test Firm Registration Number:	923526
ISED CAB identifier No.:	CN0028
Company Number:	24243
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

3 RF Exposure Compliance Requirement

3.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

3.2 Limits

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

3.3 Result

Calculated Result and Limit (WORSE CASE IS AS BELOW)

Mode	Frequency (MHz)	Max Output power(dBm)	Max Output power(mW)	Ant gain (dBi)	Evaluation EIRP(dBm)	Evaluation EIRP(mW)	Distance (mm)	Limit of Pth(mW)	Result
Left:3-DH1	2441	1.844	1.529	0.82	2.664	1.847	5	2.752	Pass
Right:3-DH1	2441	-0.483	0.895	0.40	-0.083	0.981	5	2.752	Pass
Left:BLE 1M	2442	3.545	2.262	0.82	4.365	2.732	5	2.751	Pass
Right:BLE 2M	2442	2.25	1.679	0.40	2.65	1.841	5	2.751	Pass

ERP=Max Output power+Ant gain-2.15

Comply with RF exposure exemption limit.

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

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