

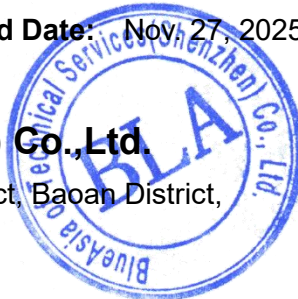
RF Exposure

Applicant : PEAG, LLC dba JLab Audio
Address : 5927 LANDAU CT, Carlsbad, CA 92008, United States
Product Name : Wireless Headset
Brand Mark : 
Model : Daybreak Wireless Headset
FCC ID : 2AHYV-DBWGH
Report Number : BLA-EMC-202511-A6604
Date of Receipt : Nov. 17, 2025
Date of Test : Nov. 17, 2025 to Nov. 27, 2025
47 CFR Part 15, Part1.1307
Test Standard : 47 CFR Part 15, Part2.1093
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: *Hugh* Review by: *Xavier* Approved by: *Blue Zheng*
Issued Date: Nov. 27, 2025

BlueAsia of Technical Services(Shenzhen) Co., Ltd.

Address: Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District,
Shenzhen, Guangdong Province, China



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Table of Contents

1	General information	4
1.1	General information	4
1.2	General description of EUT	4
2	Laboratory and accreditations	6
3	RF Exposure Compliance Requirement	7
3.1	Standard Requirement	7
3.2	Limits	7
3.3	Result	8

Revise Record

Version No.	Date	Description
01	Nov. 27, 2025	Original

1 General information

1.1 General information

Applicant	PEAG, LLC dba JLab Audio
Address	5927 LANDAU CT, Carlsbad, CA 92008, United States
Manufacturer	GuangDong Simpreal Intelligent Technology Co., Ltd
Address	Room 2408, JiaHong ZhenXing DaSha, DongGuan Avenue #13, DongCheng District, DongGuan City, GuangDong Province, P.R. China
Factory	GuangDong Simpreal Intelligent Technology Co., Ltd
Address	Room 2408, JiaHong ZhenXing DaSha, DongGuan Avenue #13, DongCheng District, DongGuan City, GuangDong Province, P.R. China

1.2 General description of EUT

Product name	Wireless Headset
Model no.	Daybreak Wireless Headset
Series model	N/A
Power supply	DC3.7V by battery
Hardware Version	V3.1
Software Version	V1.0.09

BT:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	FPC antenna
Antenna Gain:	4.21dBi (Provided by customer)

2.4G:

Operation Frequency:	2402MHz-2480MHz
Channel numbers:	79
Modulation Type:	GFSK
Antenna Type:	FPC antenna
Antenna Gain:	4.21dBi (Provided by customer)

2 Laboratory and accreditations

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

Company name:	BlueAsia of Technical Services(Shenzhen) Co., Ltd.
Address:	Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
ISED CAB identifier No.:	CN0028
Telephone:	+86-755-28682673
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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

$$\text{EIRP} = \text{pt} \times \text{gt} = (\text{E} \times \text{d})^2 / 30$$

Where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m,

d = measurement distance in meters (m)

$$\text{Spot} = (\text{E} \times \text{d})^2 / 30 \times \text{gt}$$

Separation distance = 0.5cm

Ant gain = 4.21dBi

For BT(Worst):

Max Output power = 1.036dBm @ 2402MHz

EIRP = 1.036dBm + 4.21dBi = 5.246dBm

ERP = 5.246 - 2.15 = 3.096dBm = 2.040mW < 2.676mW

Comply with RF exposure exemption limit.

For 2.4G(Worst):

Ant gain = 4.21 dBi [2.06dBd(1.607)]

Field strength = 91.03 dBμV/m @3m @2441MHz

$$\text{So Pt} = (((10^{(91.03/20)} / 10^6 \times 3)^2 / 30) \times 1000 \text{ mW} = 0.3803\text{mW} < 2.706\text{mW}$$

So ERP = 0.3803 × 1.607 = 0.6111 < 2.706mW

Comply with RF exposure exemption limit.

----END OF REPORT----

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