

FCC RF Exposure

Applicant : PEAG, LLC dba JLab Audio
Address : 5927 LANDAU CT, Carlsbad, CA 92008, United States
Product Name : Wireless Speaker
Brand Mark : 
Model : Epic Party
Series model : N/A
FCC ID : 2AHYV-EPICSPB
Report Number : BLA-EMC-202601-A2503
Date of Receipt : Jan. 06, 2026
Date of Test : Jan. 06, 2026 to Jan. 27, 2026
47 CFR Part 15, Part1.1307
Test Standard : 47 CFR Part 15, Part2.1091
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by:

Mark Chen

Review by:

Xavier

Approved by:

Zoe Zheng

Issued Date: Apr. 27, 2026



BlueAsia Technical Services(Shenzhen) Co.,Ltd.

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



The test report is effective only with both signature and specialized stamp and The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full. The results described in this report do not represent the quality or characteristics of the sampled batch, nor do they represent any similar or identical products that are not explicitly stated.

Table of Contents

1 General information	4
1.1 General information	4
1.2 General description of EUT	4
2 RF Exposure Compliance Requirement	6
2.1 Standard Requirement	6
2.2 Limits	6
2.3 Result	7

Revise Record

Version No.	Date	Description
01	Apr. 27, 2026	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 Speaker	
Model no.	Epic Party	
Operation Frequency	BT/BLE: 2402MHz-2480MHz	
Modulation Type	BLE: GFSK BT: GFSK, $\pi/4$ -DQPSK, 8DPSK	
Number of Channels	BLE:40 BT:79	
Antenna Type	PCB Antenna	
Antenna Gain	1.62dBi (Provided by customer)	
Power supply	Adapter 1	MODEL: MX45WPD-30-UZ INPUT: AC 100-240V, 50/60Hz, 1.5A OUTPUT: DC 5.0V, 3.0A/DC 9.0V, 3.0A/DC 12.0V, 2.5A/DC 15.0V, 2.0A/DC 20.0V, 1.5A (Max30W)
	Adapter 2	MODEL: FX618UZ INPUT: AC 100-240V, 50/60Hz, 2.0A OUTPUT: DC 5.0V, 3.0A/DC 9.0V, 3.0A/DC 12.0V, 2.5A/DC 15.0V, 2.0A/DC 20.0V, 1.5A (Max30W)
	Battery DC 11.1V	
Test Voltage	DC 11.1V	
Hardware Version	PA2632-MD	

Software Version	V1.0
------------------	------

2 RF Exposure Compliance Requirement

2.1 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.

2.2 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

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

2.3 Result

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

Where:

p_t = transmitter output power in watts,

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

E = electric field strength in V/m,

d = measurement distance in meters (m)

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

Separation distance = 20cm

For BLE 2M(Worst) :

Max Output power = 1.63dBm @ 2402MHz

$$\text{EIRP} = 1.63\text{dBm} + 1.62\text{dBi} = 3.25\text{dBm}$$

$$\text{So, ERP} = 3.25 - 2.15 = 1.1\text{dBm} = 1.288\text{mW} < 3060\text{ mW}$$

For BT Classic(8DPSK):

Max Output power = 3.111dBm @ 2402MHz

$$\text{EIRP} = 3.111\text{dBm} + 1.62\text{dBi} = 4.731\text{dBm}$$

$$\text{So, ERP} = 4.731 - 2.15 = 2.581\text{dBm} = 1.812\text{mW} < 3060\text{ mW}$$

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, the result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.