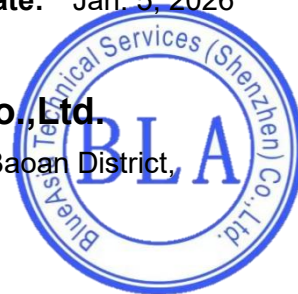


RF Exposure

Applicant : PEAG, LLC dba JLab Audio
Address : 5927 Landau Ct. Carlsbad , CA 92008, USA
Product Name : 2.0 CH Soundbar
Brand Mark : 
Model : GO Soundbar
Series model : JLab GO Soundbar, JLab GO
FCC ID : 2AHYV-GOSB
Report Number : BLA-EMC-202512-A5504
Date of Receipt : Dec. 11, 2025
Date of Test : Dec. 11, 2025 to Jan. 5, 2026
Test Standard : KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: *Hugh*Review by: *Xavier*Approved by: *Blue Zheng*
Issued Date: Jan. 5, 2026**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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Revise Record

Version No.	Date	Description
01	Jan. 5, 2026	Original

1 General information

1.1 General information

Applicant	PEAG, LLC dba JLab Audio
Address	5927 Landau Ct. Carlsbad , CA 92008, USA
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	2.0 CH Soundbar											
Model no.	GO Soundbar											
Series model	JLab GO Soundbar, JLab GO											
Desc of series model	bearing the following model numbers are identical in circuitry and electrical, mechanical and physical construction; the only differences are the model no. for trading purpose. <table><tr><th>Production name 产品名称</th><th>Trade name 商标</th><th>Model no. 型号</th></tr><tr><td>Wireless Soundbar</td><td> JLAB</td><td>GO Soundbar</td></tr><tr><td>Wireless Soundbar</td><td> JLAB</td><td>JLab GO Party</td></tr></table>			Production name 产品名称	Trade name 商标	Model no. 型号	Wireless Soundbar	 JLAB	GO Soundbar	Wireless Soundbar	 JLAB	JLab GO Party
Production name 产品名称	Trade name 商标	Model no. 型号										
Wireless Soundbar	 JLAB	GO Soundbar										
Wireless Soundbar	 JLAB	JLab GO Party										
Power supply or adapter information	AC adapter: Model:FX202U INPUT: AC 100~240V~50/60Hz 0.7A OUTPUT: 5V =3A, 9V =2.22A, 12V =1.67A,20W MAX Battery: DC7.4V											
Hardware version	SB2621B-MD											
Software version	N/A											
Engineer sample no.	BLA-EMC-202512-A55											
Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.												

BT:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, π /4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	PCB antenna
Antenna Gain:	2.2dBi(Provided by customer)

BLE:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Rate data:	1Mbps; 2Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	PCB antenna
Antenna Gain:	2.2dBi(Provided by customer)

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

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

Where:

p_t = transmitter output power in watts,

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

E = electric field strength in V/m, --- $10((dBuV/m)/20)/10^6$

d = measurement distance in meters (m) ---3m

$$Spot = (EXd)^2 / 30 \times g_t$$

Calculated Result and Limit (WORSE CASE IS AS BELOW)

BT (8DPSK 2402)

Directional antennaGain (Numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (mW)	Test Result
2.2dBi(1.660)	-0.814	0.829	3060	Compiles

$$ERP = -0.814 + 2.2 - 2.15 = 0.839 \text{ mW}$$

BLE (2442 BLE 2M)

Directional antennaGain (Numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (mW)	Test Result
2.2dBi(1.660)	9.44	8.790	3060	Compiles

$$ERP = 9.44 + 2.2 - 2.15 = 8.892 \text{ mW}$$

Comply with RF exposure exemption limit.

----END OF REPORT----

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