

FCC RF EXPOSURE REPORT

FCC ID: 2AWUX-IMW1002

Test Report No.....: RF260616002-01-002

Product(s) Name.....: HydraMini2.0+ Wireless Speaker

Model(s).....: IMW1002

Trade Mark.....: Altec Lansing

Applicant.....: Guangzhou Eagle Audio CO., Limited

Address.....: Floor 7, Building 1, No.333 Juhuashi Avenue, Huadu District,
Guangzhou City, China

Receipt Date.....: 2026.07.30

Test Date.....: 2026.08.03 ~ 2026.08.10

Issued Date.....: 2026.08.11

Standards.....: CFR47 FCC Part 1: Section 1.1310;
CFR47 FCC Part 2: Section 2.1093;
FCC KDB Publication 447498 D04;
FCC KDB Publication 865664 D02 v01r02

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
Lemon He	Black Ding	Tim Zhang	
Lemon He	Black Ding	Tim Zhang	

History of this test report

Original Report Issue Date: 2026.08.11

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. MPE CALCULATION METHOD

Limit

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

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

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). The 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

Calculation Method

$$ERP/EIRP = P_T + G_T - L_C$$

ERP/EIRP is the equivalent (or effective) radiated power [in same units as P_T , typically dBW, dBm, or power spectral density (psd)], relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP).

P_T is the transmitter output power, in dBW, dBm, or psd (power over a specified reference bandwidth).

G_T is the gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP).

L_C is the signal attenuation in the connecting cable between the transmitter and the antenna, in dB.

Table for Filed Antenna

For BLE

Antenna gain	Antenna Type
-0.58dBi	PCB antenna

2. TEST RESULTS

Worst case as below

Mode	Output power (dBm)	Output power (mW)	Ant gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP(mw)	Distance (cm)	Pth (mW)
BLE	1.42	1.39	-0.58	0.81	-1.34	0.73	0.5	2.79

Note:

1. $ERP = EIRP - 2.15 \text{ dB}$
2. $1.39\text{mW} < 2.79\text{mw}$
3. SAR-based thresholds are derived based on frequency, power, and separation distance of the RF source. The formula defines the thresholds in general for either available maximum time averaged power or maximum time-averaged ERP, whichever is greater.

➤ Conclusion

The SAR evaluation is not required

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

Address: Room 110, 111, 112, 113, 115, 116, Block B, Jinyuan Business Building, No. 302, Xixiang Avenue, Labor Community, Xixiang Street, Baoan District, Shenzhen, China

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