RF TEST REPORT

Applicant :	Guangzhou Pearl River Kayserburg Piano Co., Ltd.
Address:	38, Xiang Shan Avenue, Yong Ning Road,Zengcheng, Guangzhou, China
Manufacturer:	Guangzhou Pearl River Kayserburg Piano Co., Ltd.
Address:	38, Xiang Shan Avenue, Yong Ning Road,Zengcheng, Guangzhou, China
EUT Name:	Bluetooth speaker
Trade mark:	/
Model:	LOVE-520, SKY-1
FCC ID:	2BDC4-LOVE520
Rating:	DC 22V by adapter or DC 18.5V by battery
Sample Received Date:	Mar. 19, 2026
Test Date:	Mar. 20, 2026~Apr. 13, 2026
Applicable Standards:	CFR 47, FCC Part 2.1091
Test Result	Pass

Prepared by: Evan Fang

Evan Fang/Project Engineer

Approved by: Bruce zhang

Bruce Zhang/Technical Manager

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Revision History

Version	Date of Issue	Description
V00	April. 13, 2026	Original Version

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1. EUT DESCRIPTION

Product:	Bluetooth speaker
Test Model:	LOVE-520
Additional Model:	SKY-1
Rating:	DC 22V by adapter or DC 18.5V by battery
FCC ID:	2BDC4-LOVE520
Antenna Type:	PCB Antenna
Antenna Gain:	1dBi
Operation Frequency:	2402-2480MHz
Number of Channels:	79
Modulation Type:	GFSK, π /4-DQPSK, 8DPSK
Hardware Version:	N/A
Software Version:	N/A

Note:
1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2) Antenna gain was provided by the applicant/ manufacturer, and the applicant/ manufacturer is responsible for its validity.
3) The product model LOVE-520 is the same PCB layout, electronic schematic and Antenna with SKY-1.Only the model name is difference.
4) The test results in the report only apply to the tested sample.

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2. RF EXPOSURE EVALUATION

2.1. Requirement

According to ANSI/IEEE C95.1-1992, the criteria listed in Table as below shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in 1.1310.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f2)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f2)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

2.2. Calculation method

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S: Power density(mW/cm^2)

P: power input to antenna (Watt)

G: is the antenna gain relative to an isotropic antenna;

R: is the distance from observation point to the antenna

Note:

1) P (Watts)=(10 ^ (dBm /10))/1000

2) G (Antenna gain in numeric) = 10^ (Antenna gain in dBi /10)

3) π=3.142

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2.3. Tune-up Result

Test mode	Maximum Conducted Output Power(dBm)	Tune-up Power(dBm)
Bluetooth	-0.10	0±1

2.4. Evaluation Result

Mode	Maximum Tune up Power (dBm)	Antenna Gain (dBi)	Antenna Gain (linear)	Maximum E.I.R.P. (mW)	Power density (mW/cm^2)	Power density Limit (mW/cm^2)	Result
Bluetooth	0	1	1.26	1.2589	0.0003	1	PASS

2.5. Conclusion

According to 47 CFR 2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.

End of Report

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