

TEST REPORT

Applicant: Pimax Technology (Hangzhou) Co., Ltd.
Address: Room 208-2, Building 1, No. 1818-1 Wenyi West Road, Yuhang Street, Yuhang District, Hangzhou City, Zhejiang Province, China
Equipment Type: Dream Air
Model Name: Dream Air Slam (refer section 2.3)
Brand Name: Pimax
FCC ID: 2BFVZ-DREAMAIRS
Test Standard: 47 CFR Part 2.1093
KDB 447498 D01 v06
Sample Arrival Date: N/A
Test Date: N/A
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ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center



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Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Sep. 07, 2026</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352. The laboratory is a testing organization accredited by ISED as a accredited testing laboratory. The company number is 29671 and CAB identifier number is CN0142.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Pimax Technology(Hangzhou) Co., Ltd.
Address	Room 208-2, Building 1, No. 1818-1 Wenyi West Road, Yuhang Street, Yuhang District, Hangzhou City, Zhejiang Province, China

2.2 Manufacturer Information

Manufacturer	Pimax Technology(Hangzhou) Co., Ltd.
Address	Room 208-2, Building 1, No. 1818-1 Wenyi West Road, Yuhang Street, Yuhang District, Hangzhou City, Zhejiang Province, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Dream Air
Model Name Under Test	Dream Air Slam
Series Model Name	Dream Air SE Slam
Description of Model name differentiation	Components difference in below, 1. Differences exist in screen suppliers; 2. Differences exist in screen sizes. The information was provided by applicant.
Hardware Version	V3.0
Software Version	V1.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BLE:1M&2M)
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	Bluetooth	
Frequency Range	Bluetooth	2402 ~ 2480 MHz
Antenna Type	Bluetooth	Dipole
Exposure Category	General Population/Uncontrolled Exposure	
EUT Stage	Portable Device	

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	KDB 447498 D01 v06	KDB 447498 General RF Exposure Guidance D01 v06

3.2 Limit Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices

4 DEVICE CATEGORY AND LEVELS LIMITS

Portable Derives:

CFR Title 47 §2.1093(b)

(b) For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

FCC KDB 447498 D01 General RF Exposure Guidance v06 Limit

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 Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

Where

- f (GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

5 ASSESSMENT RESULT

5.1 Output Power

Bluetooth	
Mode	BLE Max
Conducted Power (dBm)	5.85
Antenna Gain (dBi)	4.08
Note: This report listed the worst case EIRP value, please refer to RF test report No. Ti-CC26040273-601 for more details.	

5.2 Turn-up power

Mode	Conducted Power Range (dBm)		EIRP Range (dBm)		ERP Range (dBm)	
Bluetooth	5.00	7.00	9.08	11.08	6.93	8.93
Note1: ERP= EIRP -2.15dB.						
Note2: According KDB 447498 D01, used the greater of maximum conducted power and ERP to compare with the threshold value Pth.						

5.3 RF Exposure Evaluation Result

Mode	Distance (mm)	Calculation Frequency (MHz)	Tune-up limit power (dBm)	Tune-up limit power (mW)	Calculation Results	Threshold Value	Verdict
Bluetooth	5	2480	8.93	7.82	2.46	3.00	Pass

5.4 Conclusion

This EUT is deemed to comply with the reference level limits, therefore the basic restrictions are compliant with human exposure limits.

Statement

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--END OF REPORT--