

FCC RF EXPOSURE REPORT

FCC ID: 2BHEM-X8S

Test Report No.....: RF260709006-01-005

Product(s) Name.....: Helmet Headset

Model(s).....: X8S, X6S, X6S Lite, M910, R19, R20, R6S, X5, X6, X8, X8 Lite, X8S Lite

Applicant.....: ShenZhen City Xingyaoda Technology Co., Limited

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Receipt Date.....: 2026.07.10

Test Date.....: 2026.07.11 ~ 2026.08.04

Issued Date.....: 2026.08.05

Standards.....: CFR47 FCC Part 1: Section 1.1310;
CFR47 FCC Part 2: Section 2.1093;
FCC KDB Publication 447498 D01;
FCC KDB Publication 865664 D02 v01r02

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

Prepared By:	Checked By:	Approved By:	
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<i>Jason Huang</i>	<i>Black Ding</i>	<i>Tim Zhang</i>	

History of this test report

Original Report Issue Date: 2026.08.05

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

Attachment No.	Issue Date	Description

1. MPE CALCULATION METHOD

Limit

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table. The equation and threshold in 4.3.1 must be applied to determine SAR test exclusion.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	<i>SAR Test Exclusion Threshold (mW)</i>
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

Table for Filed Antenna

For BLE

Antenna gain	Antenna Type
2.66dBi	Multilayer Ceramic Antenna

For BT

Antenna gain	Antenna Type
2.25dBi	Metal Antenna

2. TEST RESULTS

Worst case as below

Mode	Output power (dBm)	Output power (mW)	Ant gain (dBi)	EIRP (dBm)	Distance (cm)	Pth (mW)
BLE	3.61	2.296	2.66	6.27	0.5	10

Mode	Output power (dBm)	Output power (mW)	Ant gain (dBi)	EIRP (dBm)	Distance (cm)	Pth (mW)
BT	3.77	2.382	2.25	6.02	0.5	10

Note:

The minimum distance for the EUT is less than 5mm.

Since maximum peak output power of the transmitter is 3.77 dBm $\approx$ 2.382mW < 10 mW.
simultaneous transmission operations: $3.77/10 + 3.61/10 = 0.738 < 1$

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

➤ 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.

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(END OF REPORT)