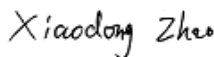
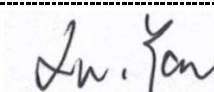


TEST REPORT

For RF Expose

Report No..... :	CHTW26045010	 CHTW26045010
Project No..... :	SHT2601081701W	
FCC ID..... :	2A3OORA87	
Applicant's name..... :	Shenzhen Ysair Technology Co., LTD	
Address..... :	Room 403, 4th Floor, Building 4, Yunli Intelligent Park, No. 3 Changfa Middle Road, Yangmei Community, Bantian Street, Longgang District, Shenzhen	
Product Name..... :	GMRS Mobile Radio	
Trade Mark..... :	RETEVIS	
Model No..... :	RA87	
Listed Model(s)..... :	-	
Standard..... :	FCC Part 2 (Section 2.1091)	
Date of receipt of test sample..... :	2026/1/30	
Date of testing..... :	2026/1/30- 2026/4/20	
Date of issue..... :	2026/4/21	
Result..... :	Pass	

Compiled by (Position+Printed name+Signature) :	File administrator	Xiaodong Zhao	
Supervised by (Position+Printed name+Signature) :	Project Engineer	Kiki Kong	
Approved by (Position+Printed name+Signature) :	RF Manager	Xu Yang	
Testing Laboratory Name..... :	Shenzhen Huatongwei International Inspection Co., Ltd.		
Address..... :	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China		

Test Report Form No. :	R0066
Test Report Form(s) Originator..... :	Shenzhen Huatongwei International Inspection Co., Ltd.
Master TRF..... :	Dated 2025-07

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Contents

<u>1.</u>	<u>TEST STANDARDS AND REPORT VERSION</u>	<u>3</u>
1.1.	Test standards	3
1.2.	Report version information	3
<u>2.</u>	<u>SUMMARY</u>	<u>4</u>
2.1.	Client Information	4
2.2.	Product Description	4
2.3.	Radio Specification Description	4
2.4.	Testing Laboratory Information	5
<u>3.</u>	<u>RF EXPOSURE</u>	<u>6</u>

1. TEST STANDARDS AND REPORT VERSION

1.1. Test standards

The tests were performed according to following standards:

[FCC Part 2 \(Section 2.1091\)](#)- Radiofrequency radiation exposure evaluation: mobile devices.

[KDB 447498 D04 Interim General RF Exposure Guidance v01](#)- RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices

[FCC Part 1 \(Section 1.1307\)](#)- Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared.

1.2. Report version information

Revision No.	Date of issue	Description
N/A	2026-04-21	Original

2. SUMMARY

2.1. Client Information

Applicant:	Shenzhen Ysair Technology Co., LTD
Address:	Room 403, 4th Floor, Building 4, Yunli Intelligent Park, No. 3 Changfa Middle Road, Yangmei Community, Bantian Street, Longgang District, Shenzhen
Manufacturer:	Shenzhen Retevis Technology Co., Ltd.
Address:	7/F, 13-C, Zhonghaixin Science&Technology Park, No.12 Ganli 6th Road, Jihua Street, Longgang District, Shenzhen, China

2.2. Product Description

Product Name:	GMRS Mobile Radio
Trade Mark:	RETEVIS
Model No.:	RA87
Listed Model(s):	-
Power supply:	DC 13.8V
Hardware version:	6PM7-2010-E
Software version:	V1.6

2.3. Radio Specification Description

Support Frequency Range:	462MHz Main channel:	462.5500, 462.5750, 462.6000, 462.6250, 462.6500, 462.6750, 462.7000, 462.7250MHz
	462MHz interstitial channel:	462.5625, 462.5875, 462.6125, 462.6375, 462.6625, 462.6875, 462.7125 MHz
	467MHz Main channel:	467.5500, 467.5750, 467.6000, 467.6250, 467.6500, 467.6750, 467.7000, 467.7250MHz
Modulation Type:	FM	
Emission Designator:	11K0F3E,16K0F3E	

Note

#1: Please refer to RF report for detailed technical specifications

2.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China
Contact information:	Tel: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn

3. RF EXPOSURE

LIMIT

☉ **Single transmitter:**

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

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/f ²)	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/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	-	-	f/1500	30
1500–100,000	-	-	1.0	30

Note: f = frequency in MHz

☉ **Simultaneous transmission:**

Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneously transmitting antennas incorporated in a host device is ≤1.0.

EVALUATION METHOD

Transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm², **P_{out}** = output power to antenna in mW, **G** = gain of antenna in linear scale;

P_i = 3.1416, **R** = distance between observation point and center of the radiator in cm

TEST RESULT

☒ **Passed** ☐ **Not Applicable**

Radio Type	Frequency range (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Antenna Gain(dBi)	r(m)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
GMRS-462 Main	462.55-462.725	45.80	46.00	5.80	2.0	0.3011	0.3084	Pass
GMRS-467 Main	467.55-467.725	45.93	46.00	5.80	2.0	0.3011	0.3117	Pass
GMRS-462 Interstitial	462.5625-462.7125	36.09	36.50	5.80	2.0	0.0338	0.3084	Pass

Note:

- 1) *r* is the distance from observation point to the antenna which is declared by the applicant.
- 2) *: refer to the RF report.

The distance between the body and the antenna is 2m (the distance specified by the applicant), and the antenna gain at this distance is 5.80dBi, so meet this standard requirement.

-----End of Report-----