



RF EXPOSURE REPORT

For

AKUVOX (XIAMEN) NETWORKS CO., LTD.

10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China

FCC ID: 2AHCR-A08K

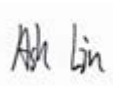
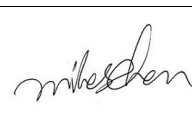
Report Type:	Product Name:
Original Report	Access Control Terminal
Report Number:	2507X04884E-RF-03
Report Date:	2026-02-13
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2507X04884E-RF-03	R1V1	2026-02-13	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	AKUVOX (XIAMEN) NETWORKS CO., LTD.
Product Name:	Access Control Terminal
Tested Model:	A08K
Power Supply:	DC 12V from Adapter or DC 48V from PoE
Maximum Output Power:	NFC: 52.97dB μ V/m @ 3m RFID: 50.18dB μ V/m @ 3m
Operating Band/Frequency:	NFC: 13.56 MHz RFID: 125kHz
Antenna Type:	NFC: FPC Antenna RFID: Coil Antenna
EUT Received Status:	Good
<i>Note:</i> 1. The Maximum Antenna Gain was declared by the manufacturer. 2. The EUT supplied by the applicant was received on 2025-09-05.	

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

Applicable Standard

According to subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
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

f = frequency in MHz; * = Plane-wave equivalent power density;
According to §1.1310 & §2.1091 RF exposure is calculated.

Power Density Calculation

Mode	Frequency (MHz)	Tune-up Max EIRP		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBm)	(mW)			
NFC	13.56	-42.0	0.00006	20	<0.0001	0.98
Note: 1. The Tune-up output power was declared by the Manufacturer 2. NFC(13.56MHz) field strength is 52.97dBμV/m @ 3m = -42.23dBm (0.00006mW) EIRP. That equal to antenna gain is 0dBi and used the EIRP value as conducted power.						

For Simultaneous transmission, the result of NFC and 125kHz is too low to calculated the Simultaneous transmission result.

Result: The device meets MPE at distance 20cm.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

******* END OF REPORT *******