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TEST REPORT

Report No. : CQASZ20260601273E-02

Applicant: Dongguan Yu'aoran Electronic Technology Co., Ltd

Address of Applicant: Room 901, Building 2, No. 23, Dalingshan Section, Guanchang Road, Dalingshan Town, Dongguan City, Guangdong Province

Equipment Under Test (EUT):

EUT Name: Intelligent visual doorbell

Model No.: X7, M16S, M17S, M29S, M30S

Test Model No.: X7

Brand Name: N/A

FCC ID: 2BWUM-X7

Standards: 47 CFR Part 1.1307
47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06

Date of Receipt: 2026-06-18

Date of Test: 2026-06-18 to 2026-06-29

Date of Issue: 2026-7-1

Test Result : **PASS**

Tested By: Lewis Zhou
(Lewis Zhou)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260601273E-02	Rev.01	Initial report	2026-7-1

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3. General Information

4. Client Information

Applicant:	Dongguan Yu'aoran Electronic Technology Co., Ltd
Address of Applicant:	Room 901, Building 2, No. 23, Dalingshan Section, Guanchang Road, Dalingshan Town, Dongguan City, Guangdong Province
Manufacturer:	Dongguan Yu'aoran Electronic Technology Co., Ltd
Address of Manufacturer:	Room 901, Building 2, No. 23, Dalingshan Section, Guanchang Road, Dalingshan Town, Dongguan City, Guangdong Province
Factory:	Dongguan Yu'aoran Electronic Technology Co., Ltd
Address of Factory:	Room 901, Building 2, No. 23, Dalingshan Section, Guanchang Road, Dalingshan Town, Dongguan City, Guangdong Province

5. General Description of EUT

Product Name:	Intelligent visual doorbell
Model No.:	X7, M16S, M17S, M29S, M30S
Test Model No.:	X7
Trade Mark:	N/A
Software Version:	V1.0
Hardware Version:	V1.0
Power Supply:	Li-ion Battery: 800mAh(2.96Wh/3.7V) By Adapter Charging DC 5V
Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report. ☒ Simultaneous TX is not supported.

6. General Description of 2.4G SRD

Operation Frequency:	2412MHz~2469MHz
Modulation Type:	GFSK
Number of Channel:	58
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	Copper tube antenna
Antenna Gain:	2.07dBi

RF Exposure Evaluation

RF Exposure Compliance Requirement

Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

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 Exclusion Threshold condition, listed below, is satisfied.

Limits

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:

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

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

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

EUT RF Exposure

1) For 2.4G SRD

$$EIRP = E_{Meas} + 20 \log(d_{Meas}) - 104.7$$

where

$EIRP$ is the equivalent isotropically radiated power, in dBm
 E_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m
 d_{Meas} is the measurement distance, in m

Measurement Data

Worst case: GFSK				
Test Channel	EIRP (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2412MHz)	-5.41	-5.5±1	-4.5	0.355
Middle(2440MHz)	-5.52	-5.5±1	-4.5	0.355
Highest(2469MHz)	-5.51	-5.5±1	-4.5	0.355

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	0.355	0.110	3.0
Middle (2440MHz)	0.355	0.111	
Highest (2480MHz)	0.355	0.112	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260601273E-01