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TEST REPORT

Report No. : CQASZ20260601325E-02

Applicant: Zhejiang General Light Curtain Co.,LTD.

Address of Applicant: Xin Tang Tou Village, Xin Jie Town, Xiao Shan District, HangZhou City, Zhejiang Province, China

Equipment Under Test (EUT):

EUT Name: Rolling Style Transmitter

Model No.: PE3115

Test Model No.: PE3115

Brand Name: POYAL

FCC ID: 2A839-PE3115

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

Date of Receipt: 2026-06-24

Date of Test: 2026-06-24 to 2026-07-03

Date of Issue: 2026-07-17

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
CQASZ20260601325E-02	Rev.01	Initial report	2026-07-17

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3. General Information

4. Client Information

Applicant:	Zhejiang General Light Curtain Co.,LTD.
Address of Applicant:	Xin Tang Tou Village, Xin Jie Town, Xiao Shan District, HangZhou City, Zhe Jiang Province, China
Manufacturer:	Zhejiang General Light Curtain Co.,LTD.
Address of Manufacturer:	Xin Tang Tou Village, Xin Jie Town, Xiao Shan District, HangZhou City, Zhe Jiang Province, China
Factory:	Zhejiang General Light Curtain Co.,LTD.
Address of Factory:	Xin Tang Tou Village, Xin Jie Town, Xiao Shan District, HangZhou City, Zhe Jiang Province, China

5. General Description of EUT

Product Name:	Rolling Style Transmitter
Model No.:	PE3115
Test Model No.:	PE3115
Trade Mark:	POYAL
Software Version:	V1.0.0
Hardware Version:	V1.0.0
Modulation Type:	FSK
Number of Channel:	1
Antenna Type:	PCB antenna
Antenna Gain:	-16.31dBi
Product Type:	☐ Mobile ☒ Portable
Power Supply:	Dry battery power supply 2*AAA DC 3V

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 433.92MHz

Measurement Data

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

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

Worst case: FSK				
Test Frequency	EIRP(dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
433.92MHz	-9.03	-9.0±1	-8	0.16

Worst case: FSK			
Test Frequency	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
433.92MHz	0.16	0.021	3.0
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max EIRP data refer to report Report No.: CQASZ20260601325E-01