

RF Exposure Evaluation Report

APPLICANT : LaView Eagle-Eye Technology Inc.
EQUIPMENT : R30 PAN-TILT BATTERY SECURITY CAMERA
BRAND NAME : LaView
MODEL NAME : LV-PYR30-W-4G, R30, LV-PYR30
FCC ID : 2APYR-PYR30
STANDARD : 47 CFR Part 2.1091
FCC KDB 447498 D01 v06

The product evaluation date was started from Apr. 22, 2025 and completed on Apr. 22, 2025. We, Sporton International Inc. (Kunshan), would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1091 and FCC KDB 447498 D01 v06, and pass the limit. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.



Approved by: Si Zhang

Sporton International Inc. (Kunshan)

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Table of Contents

1. ADMINISTRATION DATA	4
1.1. Testing Laboratory	4
2. DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)	5
3. MAXIMUM RF AVERAGE OUTPUT TUNE UP POWER AMONG PRODUCTION UNITS	5
4. RF EXPOSURE LIMIT INTRODUCTION	6
5. RADIO FREQUENCY RADIATION EXPOSURE EVALUATION	7
5.1. Standalone Power Density Calculation	7



Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA481209-02	Rev. 01	Initial issue of report.	May. 19, 2025



1. Administration Data

1.1. Testing Laboratory

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Testing Laboratory			
Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	SAR01-KS	CN1257	314309

Applicant	
Company Name	LaView Eagle-Eye Technology Inc.
Address	17333 Freedom Way, City of Industry, CA 91748

Manufacturer	
Company Name	LaView Eagle-Eye Technology Inc.
Address	17333 Freedom Way, City of Industry, CA 91748

2. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	R30 PAN-TILT BATTERY SECURITY CAMERA
Brand Name	LaView
Model Name	LV-PYR30-W-4G, R30, LV-PYR30
FCC ID	2APYR-PYR30
Wireless Technology and Frequency Range	LTE Category M1: LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz
Mode	LTE: QPSK, 16QAM, 64QAM (downlink only)
Antenna Gain	LTE Band 2 : 3.07 dBi LTE Band 4 : 2.57 dBi LTE Band 5 : 1.95 dBi LTE Band 12 : 2.29 dBi LTE Band 13 : 1.95 dBi LTE Band 17 : 2.29 dBi LTE Band 66: 2.57 dBi
Antenna Type	WWAN: Dipole Antenna
SW Version	V6.2.24

Remark:

- The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
- This is a variant product of SC256-LS4-NA that only change FCC ID. Since no design change was made, therefore, the differences have no influence on the test results, all the results are leveraged from original report which can be referred to Sporton report number FA481209 (FCC ID: 2BEWXSC256L).

Comments and Explanations:

- The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.
- The maximum RF output tune up power, antenna gain also the safe distance used for evaluate RF exposure were declared by manufacturer.

3. Maximum RF average output tune up power among production units

<LTE>

Mode		Maximum Average power(dBm)
LTE	Band 2	25.00
	Band 4	25.00
	Band 5	25.00
	Band 12	25.00
	Band 13	25.00
	Band 17	25.00
	Band 66	25.00

4. RF Exposure Limit Introduction

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

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

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna



5. Radio Frequency Radiation Exposure Evaluation

5.1. Standalone Power Density Calculation

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (W)	Average EIRP (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)
LTE Band 2	1850	3.07	25.00	28.070	0.641	641.210	0.128	1.000
LTE Band 4	1710	2.57	25.00	27.570	0.571	571.479	0.114	1.000
LTE Band 5	824	1.95	25.00	26.950	0.495	495.450	0.099	0.549
LTE Band 12	699	2.29	25.00	27.290	0.536	535.797	0.107	0.466
LTE Band 13	777	1.95	25.00	26.950	0.495	495.450	0.099	0.518
LTE Band 17	704	2.29	25.00	27.290	0.536	535.797	0.107	0.469
LTE Band 66	1710	2.57	25.00	27.570	0.571	571.479	0.114	1.000

Note:

1. For conservativeness, the lowest frequency of each band is used to determine the MPE limit of that band.
2. Chose the maximum power to do MPE analysis.

Conclusion:

According to 47 CFR §2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.

-----THE END-----