

RF Exposure Evaluation Report

APPLICANT : SafelyYou
EQUIPMENT : IP Network Camera
BRAND NAME : SafelyYou
MODEL NAME : SYA-00002, SYA-00003,
SYA-XXXXX(X= 10 characters, X can be 0-9,
a-z, A-Z, “-“, “_” or blank for marketing
purpose and no impact safety related critical
components and constructions.)
FCC ID : 2BCWO-SYR-0001
STANDARD : 47 CFR Part 2.1091
FCC KDB 447498 D01 v06

The product evaluation date was started from Apr. 15, 2026 and completed on Apr. 15, 2026. 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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People's Republic of China



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA632404	Rev. 01	Initial issue of report	May 18, 2026



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	SafelyYou
Address	36 Clyde Street, San Francisco, CA 94107

Manufacturer	
Company Name	ALTEK SDN. BHD.
Address	NO. 10, JALAN TEKNOLOGI PERINTIS 1/3, TAMAN TEKNOLOGI NUSAJAYA, ISKANDAR PUTERI, JOHOR MALAYSIA

2. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	IP Network Camera
Brand Name	SafelyYou
Model Name	SYA-00002, SYA-00003, SYA-XXXXX(X= 10 characters, X can be 0-9, a-z, A-Z, “-”, “_” or blank for marketing purpose and no impact safety related critical components and constructions.)
FCC ID	2BCWO-SYR-0001
Wireless Technology and Frequency Range	WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Mode	WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n/ac HT20/HT40/VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
Antenna Type	WLAN/Bluetooth: FPC Antenna
EUT Stage	Production Unit
Remark: 1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description. 2. The Quectel Wireless LTE Module is also integrated into this host. Detailed information about the module can be found in TA Technology Report, Report No. : R2203A0238, FCC ID: XMR202008EC25AFXD.	

Comments and Explanations:

1. 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.
2. The maximum RF output tune up power, antenna gain also the safe distance used for evaluate RF exposure were declared by manufacturer.

Band (MHz)	Maximum Single Antenna gain (dBi)	
	Ant 1	Ant 2
2400-2483.5-BT	3.79	3.8
2400-2483.5-WIFI	3.79	3.8
5150-5250	4.36	5.93
5250-5350	4.36	5.93
5470-5725	5.17	5.78
5725-5825	5.94	6.11

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

<LTE>

Mode		Maximum Average power(dBm)
WCDMA	Band II	25.00
	Band IV	25.00
	Band V	25.00
LTE	Band 2	25.00
	Band 4	25.00
	Band 5	25.00
	Band 12	25.00
	Band 13	25.00
	Band 14	25.00
	Band 66	25.00
	Band 71	25.00

<Bluetooth>

Frequency	Mode	Maximum Average Power (dBm)
Bluetooth	BR/EDR	8.00
	LE	4.00

<2.4GHz WLAN>

Frequency	Mode	Maximum Average Power (dBm)
		Ant 1+2
WLAN 2.4GHz	802.11b	19.00
	802.11g	18.00
	802.11n-HT20	16.00
	802.11n-HT40	16.00
	802.11ax-HE20	16.00
	802.11ax-HE40	16.00

<5GHz WLAN>

Frequency	Mode	Maximum Average Power (dBm)
		Ant 1+2
WLAN 5.2GHz	802.11a	15.00
	802.11n-HT20	15.00
	802.11n-HT40	15.00
	802.11ac-VHT20	15.00
	802.11ac-VHT40	15.00
	802.11ac-VHT80	12.00
	802.11ax-HE20	15.00
	802.11ax-HE40	15.00
	802.11ax-HE80	12.00
WLAN 5.3GHz	802.11a	15.00
	802.11n-HT20	15.00
	802.11n-HT40	15.00



	802.11ac-VHT20	15.00
	802.11ac-VHT40	15.00
	802.11ac-VHT80	12.00
	802.11ac-VHT160	12.00
	802.11ax-HE20	15.00
	802.11ax-HE40	15.00
	802.11ax-HE80	12.00
	802.11ax-HE160	12.00
WLAN 5.5GHz	802.11a	16.00
	802.11n-HT20	16.00
	802.11n-HT40	16.00
	802.11ac-VHT20	16.00
	802.11ac-VHT40	16.00
	802.11ac-VHT80	12.00
	802.11ac-VHT160	12.00
	802.11ax-HE20	16.00
	802.11ax-HE40	16.00
	802.11ax-HE80	12.00
	802.11ax-HE160	12.00
WLAN 5.8GHz	802.11a	16.00
	802.11n-HT20	16.00
	802.11n-HT40	16.00
	802.11ac-VHT20	16.00
	802.11ac-VHT40	16.00
	802.11ac-VHT80	12.00
	802.11ax-HE20	16.00
	802.11ax-HE40	16.00
	802.11ax-HE80	12.00

Note: WLAN2.4GHz/WLAN5GHz all support SISO/MIMO mode, we only chose MIMO tune up power to perform MPE calculation conservatively for MIMO power is higher.



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)	Average EIRP (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)	Power Density / Limit
WCDMA Band 2	1852.4	2.94	25.00	27.940	622.300	0.124	1.000	0.124
WCDMA Band 4	1712.4	1.41	25.00	26.410	437.522	0.087	1.000	0.087
WCDMA Band 5	826.4	-0.49	25.00	24.510	282.488	0.056	0.551	0.102
LTE Band 2	1850.7	2.94	25.00	27.940	622.300	0.124	1.000	0.124
LTE Band 4	1710.7	1.41	25.00	26.410	437.522	0.087	1.000	0.087
LTE Band 5	824.7	-0.49	25.00	24.510	282.488	0.056	0.550	0.102
LTE Band 12	699.7	0.52	25.00	25.520	356.451	0.071	0.466	0.152
LTE Band 13	779.5	-0.19	25.00	24.810	302.691	0.060	0.520	0.116
LTE Band 14	790.5	-0.18	25.00	24.820	303.389	0.060	0.527	0.115
LTE Band 66	1710.7	1.41	25.00	26.410	437.522	0.087	1.000	0.087
LTE Band 71	665.5	0.02	25.00	25.020	317.687	0.063	0.444	0.143
Bluetooth	2402.0	3.79	8.00	11.790	15.101	0.003	1.000	0.003
2.4GHz WLAN	2412.0	3.80	19.00	22.800	190.546	0.038	1.000	0.038
5.2GHz WLAN	5180.0	5.93	15.00	20.930	123.880	0.025	1.000	0.025
5.3GHz WLAN	5260.0	5.93	15.00	20.930	123.880	0.025	1.000	0.025
5.5GHz WLAN	5500.0	5.78	16.00	21.780	150.661	0.030	1.000	0.030
5.8GHz WLAN	5745.0	6.11	16.00	22.110	162.555	0.032	1.000	0.032

Note:

- For conservativeness, the lowest frequency of each band is used to determine the MPE limit of that band.
- The maximum SISO antenna gain among the MIMO antennas and the maximum power were selected for MPE analysis.

5.2. Collocated Power Density Calculation

WWAN Power Density / Limit	WLAN2.4 GHz Power Density / Limit	Bluetooth Power Density / Limit	Σ (Power Density / Limit) of WWAN+ WLAN 2.4GHz + Bluetooth
0.152	0.038	0.003	0.193

WWAN Power Density / Limit	WLAN5GHz Power Density / Limit	Bluetooth Power Density / Limit	Σ (Power Density / Limit) of WWAN + WLAN 5GHz + Bluetooth
0.152	0.032	0.003	0.187

Note:

- Σ (Power Density / Limit): This is a summation of [(power density for each transmitter/antenna included in the simultaneous transmission) / (corresponding MPE limit)], for WWAN + WLAN + Bluetooth.
- Considering the WWAN module collocation with the WLAN/Bluetooth transmitter of the EIRP performance listed in the table above, the aggregated (power density /limit) is smaller than 1, and MPE of 3 collocated transmitters is compliant.

Conclusion:

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

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