

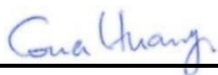
RF EXPOSURE EVALUATION REPORT

FCC ID : 2BCWO-ACPWM-100
Equipment : IP Network Camera
Brand Name : SafelyYou
Model Name : ACPWM-100
Applicant : SafelyYou
36 Clyde Street, San Francisco, CA 94107
Manufacturer : Altek Corporation
No. 12, Li-Hsin Road, HsinchuScience-Based
Industrial Park, Taiwan
Standard : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part2.1091 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full



Approved by: Cona Huang / Deputy Manager



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History of this test report

Report No.	Version	Description	Issued Date
FA3O0513-01	Rev. 01	Initial issue of report	Dec. 04, 2023

**1. Description of Equipment Under Test (EUT)**

Product Feature & Specification	
EUT Type	IP Network Camera
Brand Name	SafelyYou
Model Name	ACPWM-100
FCC ID	2BCWO-ACPWM-100
Wireless Technology and Frequency Range	WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
Mode	WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/HE20/HE40/HE80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit
Remark :	
1. The Quectel Wireless LTE Module is also integrated into this host, and the module detailed information which can referred to TA Technology Report, Report No.:R2203A0238, FCC ID : XMR202008EC25AFXD	

Reviewed by: Jason Wang**Report Producer: Daisy Peng**

2. Maximum RF average output power among production units

<WWAN>

Mode		Maximum Average power(dBm)
WCDMA	Band II	25
	Band IV	25
	Band V	25
LTE	Band 2	25
	Band 4	25
	Band 5	25
	Band 12	25
	Band 13	25
	Band 14	25
	Band 66	25
	Band 71	25

< WLAN / BT >

Band	Maximum Average power(dBm)
WLAN 2.4GHz	19
WLAN 5GHz	15.5
Bluetooth	8.5

3. 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

4. Radio Frequency Radiation Exposure Evaluation

4.1. Standalone Power Density Calculation

Band	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)	Power Density / Limit
WCDMA Band 2	2.94	25.00	27.9	0.62	622.30	0.124	1.000	0.124
WCDMA Band 4	1.41	25.00	26.4	0.44	437.52	0.087	1.000	0.087
WCDMA Band 5	-0.49	25.00	24.5	0.28	282.49	0.056	0.536	0.105
LTE Band 2	2.94	25.00	27.9	0.62	622.30	0.124	1.000	0.124
LTE Band 4	1.41	25.00	26.4	0.44	437.52	0.087	1.000	0.087
LTE Band 5	-0.49	25.00	24.5	0.28	282.49	0.056	0.549	0.102
LTE Band 12	0.52	25.00	25.5	0.36	356.45	0.071	0.466	0.152
LTE Band 13	-0.19	25.00	24.8	0.30	302.69	0.060	0.518	0.116
LTE Band 14	-0.18	25.00	24.8	0.30	303.39	0.060	0.525	0.115
LTE Band 66	1.41	25.00	26.4	0.44	437.52	0.087	1.000	0.087
LTE Band 71	0.02	25.00	25.0	0.32	317.69	0.063	0.442	0.143
WLAN2.4GHz Band	4.67	19.00	23.67	0.23	232.81	0.046	1.000	0.046
WLAN5GHz Band	9.30	15.50	24.80	0.30	302.00	0.060	1.000	0.060
Bluetooth	6.60	8.50	15.10	0.03	32.36	0.006	1.000	0.006

4.2. Collocated Power Density Calculation

WWAN Power Density / Limit	WLAN Power Density / Limit	Bluetooth Power Density / Limit	Σ (Power Density / Limit) of WWAN+WLAN+Bluetooth
0.152	0.046	0.006	0.204

Note:

1. 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.
2. Considering the WWAN module collocation with the WLAN and 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.