



Maximum Permissible Exposure Evaluation

FCC ID: 2BMXI-CMC2U

1. General Information about EUT

1.1 Client Information

Applicant	:	Hangzhou SuperAcme Electronics Technology Co., Ltd.
Address	:	14th Floor, Building 2, Silergy Plaza, 6 Lianhui St., Binjiang District, Hangzhou, Zhejiang Province, China
Manufacturer	:	Hangzhou SuperAcme Electronics Technology Co., Ltd.
Address	:	14th Floor, Building 2, Silergy Plaza, 6 Lianhui St., Binjiang District, Hangzhou, Zhejiang Province, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Security Indoor Cam
Models No.	:	CM-C2U, CM-C1U, CM-C3U, CM-C4U, CM-C5U, CM-C6U, CM-C7U, CM-C8U, CM-C9U, CM-C2LU, CM-C3LU, CM-C4LU, CM-C5LU, CM-C6LU, CM-C7LU, CM-C8LU, CM-C9LU, CM-CB2U, CM-CB3U, CM-CB4U, CM-CB5U, CM-CB6U, CM-CB7U, CM-CB8U, CM-CB9U
Model Different	:	All these models are identical in the same PCB, layout and electrical circuit, The only difference is model name, brand name and product name.
Brand Name	:	CINMOORE
Sample ID	:	HC-C-202412-0172-01-01
Product Description	:	Operation Frequency: BLE: 2402MHz~2480MHz U-NII-1: 5180MHz~5240MHz U-NII-2A: 5260MHz~5320MHz U-NII-2C: 5500MHz~5700MHz U-NII-3: 5745MHz~5825MHz 802.11b/g/n(HT20)/n(HT40): 2412MHz~2462MHz
Power Rating	:	Adapter: (DYS05100CP-U1) Input: 100-240V~, 50/60Hz 0.15A Output: 5.0V=1.0A, 5.0W
Software Version	:	N/A
Hardware Version	:	N/A

1.3 Antenna Information

Band	Antenna Type	Antenna Gain(dBi)
BLE	FPC	3.24
2.4G Wi-Fi	FPC	3.24
U-NII-1		5.1
U-NII-2A		5.48
U-NII-2C		5.34
U-NII-3		4.58
Remark: The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.		



2. Method of Measurement for FCC

1. EUT Operation Condition:

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

2. Exposure Evaluation:

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S=(PG)/4\pi R^2$$

Where

S: power density

P: power input to the antenna

G: power gain of the antenna in the direction of interest relative to an isotropic radiator.

R: distance to the center of radiation of the antenna

Simultaneous transmission MPE Considerations

According to KDB447498: All transmitters and antennas in the host must be either evaluated for MPE compliance, by measurement or computational modeling, or qualify for the standalone MPE test exclusion in section 7.1. Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneous transmitting antennas incorporated in a host device, based on the calculated/estimated, numerically modeled or measured field strengths or power density, is ≤ 1.0 .

This means that:

$$\sum \text{ of MPE ratios } \leq 1.0$$



3. Test Result:

Test Mode	Conducted Power(max) (dBm)	Turn-up Power (dB)	Max tune up power (dBm) [P]	Max. ANT Gain (dBi) [G]	Distance (cm) [R]	Power Density (mW/ cm ²) [S]
BLE	8.358	8±1	9	3.24	20	0.00333
2.4G b	16.23	16±1	17	3.24	20	0.02103
2.4G g	15.05	16±1	17	3.24	20	0.02103
2.4G n20	16.17	16±1	17	3.24	20	0.02103
2.4G n40	16.06	16±1	17	3.24	20	0.02103
2.4G ax20	17.54	17±1	18	3.24	20	0.02647
2.4G ax40	17.69	17±1	18	3.24	20	0.02647
5G a	18.00	18±1	19	5.48	20	0.05581
5G n20	16.80	16±1	17	5.48	20	0.03522
5G n40	16.32	16±1	17	5.48	20	0.03522
5G ac20	17.84	17±1	18	5.48	20	0.04433
5G ac40	15.51	16±1	17	5.48	20	0.03522
5G ax20	18.38	18±1	19	5.48	20	0.05581
5G ax40	16.32	17±1	18	5.48	20	0.04433



4. Conclusion:

As specified in Table 1B of 47 CFR 1.1310- Limits for Maximum Permissible Exposure (MPE),

Limits for General Population/ Uncontrolled Exposure

Frequency Range (MHz)	Power density (mW/ cm ²)
300-1,500	F/1500
1,500-100,000	1.0

For: 2402~2480MHz&2412~2462MHz&5180~5825MHz

MPE limit S: 1mW/ cm²

The MPE is calculated as **0.05581 mW / cm² < limit 1mW / cm².**

--- END OF REPORT ---

