

Page: 1 of 4

Maximum Permissible Exposure Evaluation FCC ID: 2AKUR-INDOOR-CAMERA

1. Client Information

Applicant		Hangzhou Jufeng Technology Co., Ltd.				
Address	3	Building 9, Yinhu Innovation Center, No.9 Fuxian Road, Yinhu Street Fuyang,Zhejiang, China				
Manufacturer	1	Hangzhou Jufeng Technology Co., Ltd.				
Address	Building 9, Yinhu Innovation Center, No.9 Fuxian Road, Yinhu Street Fuyang,Zhejiang, China					

2. General Description of EUT

EUT Name	:	Indoor camera				
Models No.		Indoor camera				
Model Different		N/A				
		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz			
Product Description		RF Output Power: 802.11b: 15.68 dBm 802.11g: 14.54 dBm 802.11n (HT20): 13.74 dBm 802.11n (HT40): 12.80 dBm				
Boodription	18	Antenna Gain:	3dBi FPC Antenna			
		Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM)			
Power Rating		Adapter model:CS-1201000 Input: AC 100-240V, 50/60Hz 0.5A Output: DC 12V,1A				
Software Version	Goneral EDT Tologom IDC HI3516CV300 53H201 EDT 9199ELL V/40					
Hardware Version	:	XMDZ-FPT-HL-38X38-SD-WIFI V2.01				
Connecting I/O Port(S)	:	Please refer to the User's Manual				

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Page: 2 of 4

MPE Calculations for WIFI

1. Antenna Gain:

FPC Antenna: 3dBi.

2. EUT Operation Condition:

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

3. 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



Page: 3 of 4

4. Test Result:

		V	orst Maxi	mum MPE Resu	ılt				
Mode	Freq. (MHz)	Conducted Power(max) (dBm) [P]	Tune up Power (dB)	Max tune up power (dBm) [P]	ANT Gain (dBi) [G]	Dista-nce (cm) [R]	Power Density (mW/ cm ²) [S]	Power Density Limit (mW/ cm ²)	Result
1.1.2	2412	15.48	15.48±1	16.48			0.01764993	(341)	1
В	2437	15.68	15.68±1	16.68		20	0.01848174		PASS
	2462	15.28	15.28±1	16.28			0.01685555		
1 6	2412	14.51	14.51±1	15.51	CHO.		0.01411702		
G	2437	14.54	14.54±1	15.54			0.01421487		
	2462	14.43	14.43±1	15.43			0.01385935		
0.411	2412	13.38	13.38±1	14.38	3		0.01088286		
N20	2437	13.74	13.74±1	14.74	1		0.01182342		
	2462	13.59	13.59±1	14.59	60		0.01142202		
1	2422	12.80	12.80±1	13.8			0.00952232		
N40	2437	12.56	12.56±1	13.56			0.00901038		
	2452	12.31	12.31±1	13.31			0.00850634	(3.3)	
	Power mW/ cm ²)	mill!		Power Density=0.0	1848174		U m	600	33

Note:
RF Output power specifies that Maximum Conducted Peak Output Power.



Page: 4 of 4

5. 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/ cm²)		
300-1,500	F/1500		
1,500-100,000	1.0		

For 802.11b/g/n(HT20):2412~2462 MHz

802.11n(HT40):2412~2462 MHz

MPE limit S: 1mW/ cm²

The MPE is calculated as 0.01848174mW / cm² < limit 1mW / cm². So, the device compliance the RF Exposure requirement.

The EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47 CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.

Note

For a more detailed features description, please refer to the RF Test Report.

----END OF REPORT----