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Maximum Permissible Exposure Evaluation FCC ID: 2AV29-83610

1. Client Information

Applicant)	Zhongshan Jesmay Electronics Co.,Ltd			
Address	1	No.1 Industry District, Tan Zhou Town, Zhongshan City, Guangdong, China			
Manufacturer	:	Zhongshan Jesmay Electronics Co.,Ltd			
Address		No.1 Industry District, Tan Zhou Town, Zhongshan City, Guangdong, China			

EUT Name	١	IP CAMERA			
Models No.	:	83610, C029, C039, MZ-CW20A, MZ-CW20, 83612, 83616			
Model Different	W	All these models are identical in the same PCB, layout and electrical circuit, the only difference is model name.			
Brand Name	i	Joustory, JSLBTECH, JouSecu, JouJou, TMEZON, JouLINK, Maysly			
Product Description		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz		
		Number of Channel:	802.11b/g/n(HT20):11 channels		
		RF Output Power: 802.11b:16.25dBm 802.11g: 16.28dBm 802.11n (HT20): 16.47dBm			
		Antenna Gain:	5 dBi External Antenna		
Power Rating		Adapter:(R122-1201000UD) Input: AC100-240V 50/60HZ 0.4A Output:DC12V1A			
Software Version	:	WNIP-2L-BU_20200331			
Hardware Version	:	FH8852-F37-M-V2			
Connecting I/O Port(S)	3	Please refer to the User's Manual			
Remark		the MPE report used the EUT(20200525-17-01).			



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MPE Calculations for WIFI

1. Antenna Gain:

Dipole Antenna: 5dBi.

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

4. Test Result:

			Worst N	Maximum	MPE Result			
Mode	N _{TX}	Freq. (MHz)	Conducted Power(max) (dBm)	Turn-up Power (dB)	Max tune up power (dBm) [P]	ANT Gain (dBi) [G]	Distance (cm) [R]	Power Density (mW/ cm ²) [S]
802.11b 1	6	2412	16.25	16±1	17	5	20	0.0315
	2437	15.99	16±1	17	5	20	0.0315	
		2462	15.47	15±1	16	5	20	0.0250
The same	67	2412	16.17	16±1	17	5	20	0.0315
802.11g 1	1	2437	15.93	16±1	17	5	20	0.0315
	111	2462	16.28	16±1	17	5	20	0.0315
802.11n(HT20) 1		2412	16.47	16±1	17	5	20	0.0315
	1	2437	16.42	16±1	17	5	20	0.0315
		2462	16.10	16±1	17	5	20	0.0315

Note:

(2) RF Output power specifies that Maximum Conducted Peak Output Power.

⁽¹⁾ N_{TX}= Number of Transmit Antennas



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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 Bluetooth:2412~2462 MHz

MPE limit S: 1mW/ cm²

The MPE is calculated as 0.0315mW / cm² < limit 1mW / cm². So, RF exposure limit

warning or SAR test are not required.

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.

6. Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

----END OF REPORT----