

FCC RF EXPOSURE REPORT

FCC ID: 2AFPL-PE3020-W5

Project No. : 1508C167
Equipment : IP Camera
**Model : PE3020-W5 (other models please refer to note 1 on
page 2 of this report)**
**Applicant : Guangzhou Juan Optical & Electronical Tech Joint
Stock Co.,LTD**
**Address : NO.9, street 3, HengLing industrial zone, Tangdong,
tianhe district, Guangzhou, China**
According: : OET Bulletin 65 Supplement B

B T L I N C .

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

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

Table for Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	Dongguan RF electronic technology Co.,LTD	RF21S00049A	Dipole	SMA	2.77	5G

note 1:

PE3010-W5, PE3013-W5,
 PE2010L-W5, PE2013L-W5, PE2020L-W5,
 PA3010-SW5, PA3013-SW5, PA3020-SW5,
 PD1510L-W5, PD1513L-W5, PD1520L-W5,
 PJ2010-W5, PJ2013-W5, PJ2020-W5, PJ4010-W5,
 PJ4013-W5, PJ4020-W5, PE3010W5, PE3013W5, PE3020W5,
 TC-WNK-0420-CAMERA, TC-WNK-0820-CAMERA

TEST RESULTS

EUT :	IP Camera	Model Name :	PE3020-W5
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-1/TX A Mode /CH36, CH40, CH48		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.77	1.8923	4.91	3.0974	0.00116668	1	Complies
2.77	1.8923	5.25	3.3497	0.00126168	1	Complies
2.77	1.8923	5.09	3.2285	0.00121605	1	Complies

EUT :	IP Camera	Model Name :	PE3020-W5
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-1/TX N20 Mode /CH36, CH40, CH48		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.77	1.8923	5.02	3.1769	0.00119660	1	Complies
2.77	1.8923	5.11	3.2434	0.00122166	1	Complies
2.77	1.8923	4.98	3.1477	0.00118563	1	Complies

Note: the calculated distance is 20 cm.