

# **FCC RF EXPOSURE REPORT**

**FCC ID: T58SEC112H**

**Project No. : 1503C202B**  
**Equipment : 960P HD Wireless Dome IP Camera/4CH Wireless IP  
Camera & NVR Security Kit**  
**Model : SEC112, SEK204D, SEK204W**  
**Applicant : NETIS SYSTEMS CO., LTD**  
**Address : 4F&5F R&D Building, Oriental Cyberport, High-Tech  
Industrial Park, Nanshan, Shenzhen, China.**  
**According: : FCC Guidelines for Human Exposure IEEE  
C95.1**

**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.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1		RF21S00002A	Dipole	SMA	5.19	2.4G

## TEST RESULTS

EUT :	960P HD Wireless Dome IP Camera/4CH Wireless IP Camera & NVR Security Kit	Model Name :	SEC112, SEK204D, SEK204W
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
5.19	3.3037	16.84	48.3059	0.03176511	1	Complies
5.19	3.3037	17.17	52.1195	0.03427286	1	Complies
5.19	3.3037	17.12	51.5229	0.03388054	1	Complies

EUT :	960P HD Wireless Dome IP Camera/4CH Wireless IP Camera & NVR Security Kit	Model Name :	SEC112, SEK204D, SEK204W
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
5.19	3.3037	20.93	123.8797	0.08146112	1	Complies
5.19	3.3037	21.2	131.8257	0.08668628	1	Complies
5.19	3.3037	21.17	130.9182	0.08608954	1	Complies

EUT :	960P HD Wireless Dome IP Camera/4CH Wireless IP Camera & NVR Security Kit	Model Name :	SEC112, SEK204D, SEK204W
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
5.19	3.3037	21.26	133.6596	0.08789221	1	Complies
5.19	3.3037	21.25	133.3521	0.08769006	1	Complies
5.19	3.3037	21.44	139.3157	0.09161158	1	Complies

EUT :	960P HD Wireless Dome IP Camera/4CH Wireless IP Camera & NVR Security Kit	Model Name :	SEC112, SEK204D, SEK204W
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE_ Total /CH03, CH06, CH09		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
5.19	3.3037	21.17	130.9182	0.08608954	1	Complies
5.19	3.3037	21.3	134.8963	0.08870546	1	Complies
5.19	3.3037	21.34	136.1445	0.08952625	1	Complies

Note: the calculated distance is 20 cm.