

# **FCC RF EXPOSURE REPORT**

**FCC ID: T58SEC111H**

**Project No. : 1503C202A**  
**Equipment : 720P HD Wireless IP Camera**  
**Model : SEC111; SEK204**  
**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)
1		RF21S00002A	Dipole	R-SMA	5.19

## TEST RESULTS

EUT :	720P HD Wireless IP Camera	Model Name :	SEC111; SEK204
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	16.12	40.9261	0.02691227	1	Complies
5.19	3.3037	16.67	46.4515	0.03054572	1	Complies
5.19	3.3037	16.41	43.7522	0.02877070	1	Complies

EUT :	720P HD Wireless IP Camera	Model Name :	SEC111; SEK204
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	23.25	211.3489	0.13897938	1	Complies
5.19	3.3037	23.71	234.9633	0.15450779	1	Complies
5.19	3.3037	23.82	240.9905	0.15847121	1	Complies

EUT :	720P HD Wireless IP Camera	Model Name :	SEC111; SEK204
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	23.09	203.7042	0.13395236	1	Complies
5.19	3.3037	23.36	216.7704	0.14254447	1	Complies
5.19	3.3037	18.41	69.3426	0.04559848	1	Complies

EUT :	720P HD Wireless IP Camera	Model Name :	SEC111; SEK204
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	18.46	70.1455	0.04612649	1	Complies
5.19	3.3037	23.18	207.9697	0.13675725	1	Complies
5.19	3.3037	17.96	62.5173	0.04111027	1	Complies

Note: the calculated distance is 20 cm.