Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: MCLCS-E340W

Project No.	**: 1308C100**
Equipment	**: Cisco Edge 340**
Model	**: CS-E340W**
Applicant	**: HON HAI Precision Ind. Co., Ltd.**
Address	**: 5F-1, 5, Hsin-An Road, Hsinchu Science-Based Industrial Park, Hsinchu, Taiwan**
According:	**: FCC Guidelines for Human Exposure IEEE C95.1**

Neutron Engineering Inc.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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

Table for Field Antenna:

WIFI

Group 1

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	FOXCONN	FX01G64-0G-EF	Integral	N/A	3.5
2	FOXCONN	FX01G65-0G-EF	Integral	N/A	4.2

Group 2

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
3	FOXCONN	FX01G67-0G-EF	Dipole	N/A	3.09
4	FOXCONN	FX01G67-0G-EF	Dipole	N/A	3.09

BT

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	FOXCONN	FX01G66-0G-EF	Integral	N/A	4.39

TEST RESULTS

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1016 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	TX B MODE /CH01, CH06, CH11 / Integral Antenna		

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
4.2	2.6303	24.83	304.0885	0.15920268	1	Complies
4.2	2.6303	25.02	317.6874	0.16632226	1	Complies
4.2	2.6303	25.01	316.9567	0.16593973	1	Complies

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1016 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	TX G MODE /CH01, CH06, CH11 / Integral Antenna		

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
4.2	2.6303	23.4	218.7762	0.11453820	1	Complies
4.2	2.6303	23.36	216.7704	0.11348811	1	Complies
4.2	2.6303	23.52	224.9055	0.11774714	1	Complies

EUT：	Cisco Edge 340	Model Name	CS-E340W
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1016 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	TX N-20M MODE /CH01, CH06, CH11 / Integral Antenna		

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
4.2	2.6303	24.92	310.4560	0.16253630	1	Complies
4.2	2.6303	24.77	299.9163	0.15701834	1	Complies
4.2	2.6303	24.78	300.6076	0.15738030	1	Complies

EUT：	Cisco Edge 340	Model Name	CS-E340W
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1016 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	TX N-40M MODE /CH03, CH06, CH09 / Integral Antenna		

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
4.2	2.6303	23.24	210.8628	0.11039525	1	Complies
4.2	2.6303	23.52	224.9055	0.11774714	1	Complies
4.2	2.6303	23.6	229.0868	0.11993622	1	Complies

Note:

1) **Peak Output Power= Peak Output Power for WIFI+ Max Output Power for BT (5.2 dBm)**

2) the calculation distance is 20 cm.