



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 Test Conclusion

Table for Field Antenna:

Group 1

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	FOXCONN	FX01G64-0G-EF	Integral Antenna	N/A	3.7
2	FOXCONN	FX01G64-0G-EF	Integral Antenna	N/A	2.3

Group 2

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
3	FOXCONN	FX01G67-0G-EF	Dipole Antenna	Revise-SMA Connector	3.59
4	FOXCONN	FX01G67-0G-EF	Dipole Antenna	Revise-SMA Connector	3.59



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TEST RESULTS

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Dipole Antenna with external cable/ANT 1+ANT 2		

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
3.59	2.2856	15.06	32.0627	0.01496065	1	Complies
3.59	2.2856	15.13	32.5837	0.01520374	1	Complies
3.59	2.2856	14.82	30.3389	0.01415632	1	Complies

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Integral Antenna/ANT 1+ANT 2		

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
3.7	2.3442	16.10	40.7380	0.01853320	1	Complies
3.7	2.3442	15.89	38.8150	0.01765836	1	Complies
3.7	2.3442	15.90	38.9045	0.01769907	1	Complies

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH38, CH46/Integral Antenna/ANT 1+ANT 2		

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
3.7	2.3442	10.21	10.4954	0.00477475	1	Complies
3.7	2.3442	10.41	10.9901	0.00499977	1	Complies



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EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64/Dipole Antenna with external cable/ ANT 1+ANT 2		

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
3.59	2.2856	15.03	31.8420	0.01448606	1	Complies
3.59	2.2856	14.99	31.5500	0.01435325	1	Complies
3.59	2.2856	14.94	31.1889	0.01418895	1	Complies

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64/Integral Antenna/ANT 1+ANT 2		

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
3.7	2.3442	15.94	39.2645	0.01832105	1	Complies
3.7	2.3442	15.88	38.7258	0.01806968	1	Complies
3.7	2.3442	16.02	39.9945	0.01866166	1	Complies

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62/ Dipole Antenna with external cable/ ANT 1+ANT 2		

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
3.59	2.2856	10.40	10.9648	0.00498827	1	Complies
3.59	2.2856	10.36	10.8643	0.00494254	1	Complies



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EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140/Dipole Antenna with external cable/ANT 1+ANT 2		

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
3.59	2.2856	14.96	31.3329	0.01425445	1	Complies
3.59	2.2856	15.00	31.6228	0.01438634	1	Complies
3.59	2.2856	15.12	32.5087	0.01478939	1	Complies

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140/Dipole Antenna with external cable/ANT 1+ANT 2		

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
3.59	2.2856	15.80	38.0189	0.01729619	1	Complies
3.59	2.2856	15.80	38.0189	0.01729619	1	Complies
3.59	2.2856	15.99	39.7192	0.01806968	1	Complies

EUT:	Cisco Edge 340	Model Name	CS-E340W
Temperature:	25 °C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TXN40 Mode/CH102, CH110, CH134/Integral Antenna/ANT 1+ANT 2		

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
3.7	2.3442	10.75	11.8850	0.00554562	1	Complies
3.7	2.3442	10.36	10.8643	0.00506933	1	Complies
3.7	2.3442	10.08	10.1859	0.00475281	1	Complies

Note: the calculation distance is 20 cm.