



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: MCLCSE300APK9

Project No. : 1108C254
Equipment : Cisco Edge 300
Model : CS-E300-AP-K9, HS-E300-AP-K9
Applicant : HON HAI Precision Ind. Co., Ltd.
Address : 5F-1, 5, Hsin-An Road, Hsinchu Science-Based Industrial Park

According: : FCC Guidelines for Human Exposure IEEE C95.1

Neutron Engineering Inc.

No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.

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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

Ant.	Brand name	Model Name	Antenna Type	Connector	Gain (dBi)	cable length
1	FOXCONN	FX01B88-O G-EF-H	PCB	U.FL	3.10	41 mm

TEST RESULTS

EUT:	Cisco Edge 300	Model Name :	AD7000W/37
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 -1Mbps		

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
3.10	2.0417	-0.31	0.9311	0.00037840	1	Complies
3.10	2.0417	1.93	1.5596	0.00063380	1	Complies
3.10	2.0417	-0.41	0.9099	0.00036979	1	Complies



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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
3.10	2.0417	2.77	1.8923	0.00076904	1	Complies
3.10	2.0417	3.02	2.0045	0.00081461	1	Complies
3.10	2.0417	2.57	1.8072	0.00073443	1	Complies