



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: OP5PL5564

Project No. : 1309C128
Equipment : SKAA Lightning connector Tx
Model : PL5564-S
Applicant : Eleven Engineering Inc.
**Address : 10150 - 100 Street, Suite 800 Edmonton, AB,
Canada T5J 0P6 Canada**

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:

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

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	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	-3.57

TEST RESULTS

EUT:	SKAA Lightning connector Tx	Model Name :	PL5564-S
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH01/ CH24 /CH49		

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
-3.57	0.4395	10.88	12.2462	0.00107140	1	Complies
-3.57	0.4395	10.48	11.1686	0.00097713	1	Complies
-3.57	0.4395	10.79	11.9950	0.00104942	1	Complies