Maximum Permissible Exposure Report

FCC ID: S3Z-CIM35X2

Report No.	:	BTL-FCCP-2-2002T042
Equipment	:	CIMX1PRO V3 Module
Model Name	:	CIMX1PRO V3
Brand Name	:	CIMCON
Applicant	:	CIMCON Lighting, Inc.
Address	:	200 Summit Drive, Suite 500, South Tower, Burlington, MA 01803
Manufacturer	:	CIMCON Lighting, Inc.
Address	:	200 Summit Drive, Suite 500, South Tower, Burlington, MA 01803
According	:	FCC Guidelines for Human Exposure IEEE C95.1
Date of Receipt	:	2020/2/13
Date of Test	:	2020/2/13 ~ 2020/4/27
Issued Date	:	2020/7/23

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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Approved by :
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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 Filed Antenna:

Group I:

Ant.	Brand	Model	Type	Connector	Gain (dBi)
1	N/A	iSLC3100-7P	Monopole	N/A	1.5

Group II:

Ant.	Brand	Model	Type	Connector	Gain (dBi)
1	N/A	A24-HASM-450	Dipole	SMA	2.14

TEST RESULTS

Antenna Group I:

Frequency (MHz)	Maximum Conducted Output Power (dBm)	Maximum Conducted Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (numeric)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2405~2475	23.49	223.3572	1.5	1.4125	0.0628	1

Antenna Group II:

Frequency (MHz)	Maximum Conducted Output Power (dBm)	Maximum Conducted Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (numeric)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2405~2475	23.31	214.2891	2.14	1.6368	0.0698	1

NOTE: The calculated distance is 20 cm.

End of Test Report