FCC RF EXPOSURE REPORT

FCC ID: PZ3-B100R

Project No.	**: 1712C003**
Equipment	**: Smart-Sync Repeater**
Model	**: B100-R**
Applicant	**: Primex Wireless, Inc.**
Address	**: 965 Wells St, Lake Geneva, WI 53147 United States**
According:	**: FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091**

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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

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	N/A	N/A	PCB	N/A	0	

TEST RESULTS

EUT：	Smart-Sync Repeater	Model Name :	B100-R
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		

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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
0	1	2.78	1.8967	0.00038	1	Complies

Note: the calculated distance is 20 cm.