

FCC RF Exposure Report

FCC ID: SLB-SG70

Project No. : 1711068
Equipment : Solar Gateway
Test Model : SG-70
Series Model : N/A
Applicant : SINBON Electronics Co., Ltd
Address : 4F-13, No.79, Sec.1, Hsin Tai Wu Rd., Hsi Chih,
New Taipei City, 22101 Taiwan

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

B T L I N C .

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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)
1	Joymax	IWX-1511RSXX-999	Dipole	Reverse SMA	5

CACULATION:

Test Mode :	TX Mode
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Frequency (MHz)	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
2405	5.00	3.1623	13.43	22.0293	0.01386597	1	Complies
2440	5.00	3.1623	14.28	26.7917	0.01686360	1	Complies
2480	5.00	3.1623	14.85	30.5492	0.01922872	1	Complies

Note: the calculated distance is 20 cm.