

# **FCC RF EXPOSURE REPORT**

**FCC ID: 2AAUI-0022769137**

**Project No.** : 1702C187  
**Equipment** : ECOSLATE  
**Test Model** : GDI-EXSLT800  
**for FCC&IC**  
**Series Model for FCC** : GDI-EXSLT801,GDI-EXSLT802,GDI-EXSLT803,  
GDI-EXSLT804,GDI-EXSLT805,GDI-EXSLT806,  
GDI-EXSLT807,GDI-EXSLT808,GDI-EXSLT809,  
GDI-EXSLT810,GDI-EXSLT811, GDI-EXSLT812,  
GDI-EXSLT813, GDI-EXSLT814, GDI-EXSLT815,  
GDI-EXSLT816, GDI-EXSLT817, GDI-EXSLT818,  
GDI-EXSLT819, GDI-EXSLT820  
**Applicant** : Grace Digital Inc.  
**Address** : 10531 4S Commons Drive #166 Suite #430, San  
Diego, CA 92127-9212, United States  
**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:

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

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

Table for Filed Antenna

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

## TEST RESULTS

BT:

EUT :	ECOSLATE	Model Name :	GDI-EXSLT800
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode _1Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
0	1.0000	3.08	2.0324	0.00040	1	Complies
0	1.0000	4.65	2.9174	0.00058	1	Complies
0	1.0000	4.25	2.6607	0.00053	1	Complies

EUT :	ECOSLATE	Model Name :	GDI-EXSLT800
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode _3Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
0	1.0000	3	1.9953	0.00040	1	Complies
0	1.0000	4.73	2.9717	0.00059	1	Complies
0	1.0000	4.33	2.7102	0.00054	1	Complies

LE:

EUT :	ECOSLATE	Model Name :	GDI-EXSLT800
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	CH00, CH19 , CH39 - 1Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
0	1.0000	4.95	3.1261	0.00062	1	Complies
0	1.0000	5.23	3.3343	0.00066	1	Complies
0	1.0000	6.84	4.8306	0.00096	1	Complies

Note: the calculated distance is 20 cm.