



# EMC Test Data

Client: Freewave Technologies, Inc.	Job Number: J92945
Model: MM2-T	T-Log Number: T92989
	Project Manager: Sheareen Jacobs
Contact: Dean Busch	Project Coordinator: Irene Rademacher
Standard: FCC Part 15.247	Class: N/A

## Maximum Permissible Exposure

### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 9/9/2013

Test Engineer: David Bare

### General Test Configuration

Calculation uses the free space transmission formula:

$$S = (PG)/(4 \pi d^2)$$

Where: S is power density ( $W/m^2$ ), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

### Summary of Results

Device complies with Power Density requirements at 20cm separation:	No
If not, required separation distance (in cm):	22.8

### Modifications Made During Testing

No modifications were made to the EUT during testing

### Deviations From The Standard

No deviations were made from the requirements of the standard.



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Use: General  
 Antenna: 6 dBi Omni

Freq. MHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm <sup>2</sup>	MPE Limit at 20 cm mW/cm <sup>2</sup>
	dBm	mW*						
902.71	29.9		0	6	29.9	3917.42	0.779	0.602
915.14	29.9		0	6	29.9	3881.50	0.772	0.610
927.59	29.8		0	6	29.8	3801.89	0.756	0.618

For the cases where S > the MPE Limit

Freq. MHz	Power Density (S) at 20 cm mW/cm <sup>2</sup>	MPE Limit at 20 cm mW/cm <sup>2</sup>	Distance where S <= MPE Limit cm
902.71	0.779	0.602	22.8
915.14	0.772	0.610	22.5
927.59	0.756	0.618	22.1