



# EMC Test Data

Client: Xetawave LLC	Job Number: JD99786
Model: Xeta7	T-Log Number: T99881
	Project Manager: Christine Krebill
Contact: Sandee Malang	Project Coordinator: -
Standard: FCC Part 27	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: 12/1/2015  
 Test Engineer: Deniz Demirci  
 Fremont EMC Lab #4A

### General Test Configuration

Calculation uses the free space transmission formula:

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

Where: S is power density (W/m<sup>2</sup>), 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:	Yes/No
If not, required separation distance (in cm):	82

### FCC MPE Calculation

Use: General  
 Antenna: 11 dBi

### For 300-1500 MHz single transmitters (General use)

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*						
757.5	35.3	3388.4	0	11	35.3	42657.95	8.487	0.505
787.5	35.3	3388.4	0	11	35.3	42657.95	8.487	0.525

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
757.5	8.487	0.505	82.0
787.5	8.487	0.525	80.4