



EMC Test Data

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
	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: 12/12/2016
 Test Engineer: Deniz Demirci

General Test Configuration

Calculation uses the free space transmission formula:

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

Where: S is power density (W/m²), 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):	147.5

FCC MPE Calculation

Use: General
 Antenna: 11 dBi (757 - 758 MHz band)
 Antenna: 6 dBi (787 - 788 MHz band)

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 ²	MPE Limit at 20 cm mW/cm ²
	dBm	mW*						
757.5	40.4	10964.8	0	11	40.4	138038.43	27.462	0.505
787.5	40.4	10964.8	0	6	40.4	43651.58	8.684	0.525

For the cases where S > the MPE Limit

Freq. MHz	Power Density (S) at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²	Distance where S <= MPE Limit cm
757.5	27.462	0.505	147.5
787.5	8.684	0.525	81.3