



EMC Test Data

Client:	Ambient Systems	Job Number:	J75672
Model:	Gateway (GW3000)	T-Log Number:	T75760
Contact:	Bob Ashlock	Account Manager:	Christine Krebill
Standard:	FCC 15.247/RSS-210	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: 7/28/2009

Test Engineer: Mark Hill

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:	Yes
Maximum Power Density (mW/cm^2)	0.114

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.

Use: General

Antenna: 5dBi

Freq. MHz	EUT Power		Cable 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
2429	21.9	154.9	0	5	21.9	489.78	0.097	1.000
2425	22.6	182.0	0	5	22.6	575.44	0.114	1.000
2440	22.2	166.0	0	5	22.2	524.81	0.104	1.000
2450	22.2	166.0	0	5	22.2	524.81	0.104	1.000
2455	21.2	131.8	0	5	21.2	416.87	0.083	1.000