

Client:	Unigen Corporation	Job Number:	J88443
Model:	ARES / ATHENA	T-Log Number:	T88506
Contact:	Weerapol Seesanung	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: 8/6/2012

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
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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: 3.0dBi

USE THIS FOR 300-1500 MHz single transmitters

Freq. MHz	EUT Power		Cable Loss	Ant Gain	Power at Ant	EIRP	Power Density (S) at 20 cm	MPE Limit at 20 cm
	dBm	mW*	dB	dBi	dBm	mW	mW/cm ²	mW/cm ²
903	14.5	28.2	0	3	14.5	56.23	0.011	0.602
915	14.6	28.8	0	3	14.6	57.54	0.011	0.610
927	14.7	29.5	0	3	14.7	58.88	0.012	0.618

For the cases where S > the MPE Limit

Freq. MHz	Power Density at 20 cm	MPE Limit at 20 cm	Distance where S <= MPE Limit
	mW/cm ²	mW/cm ²	cm
903	0.011	0.602	2.7
915	0.011	0.610	2.7
927	0.012	0.618	2.8