

Client:	Altierre Corporation	Job Number:	J74101
Model:	Altierre Electronic Shelf Label	T-Log Number:	T74141
Contact:	Sandro Brenciaglia	Account Manager:	Deepa Shetty
Standard:	FCC 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: 8/10/2009

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/No
Power Density ( $mW/cm^2$ )	0.00024

### 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: Internal

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 $mW/cm^2$
2401.5	-0.9	0.8	0	0	-0.9	0.81	0.00016	1.000
2440	0.8	1.2	0	0	0.8	1.20	0.00024	1.000
2479.3	-1.7	0.7	0	0	-1.7	0.68	0.00013	1.000

FCC Threshold =  $60/f(\text{GHz}) \text{ mW} = 60/2.480 = 24.2 \text{ mW}$

EUT max power = 1.2 mW

Result - EUT is below the FCC and IC threshold for RF Exposure