



Excellence in Compliance Testing

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## **Certification Exhibit**

**FCC ID: EW780-6044-02**  
**IC: 1135B-80604402**

**FCC Rule Part: 15.323**  
**IC Radio Standards Specification: RSS-213**

**ACS Report Number: 08-0466 - 15D**

**Model(s): DTM602G**

## **RF Exposure**

**General Information:**

Manufacturer: ARRIS Group, Inc.  
 ACS Project: 08-0466-15D  
 Device Category: Mobile  
 Environment: General Population/Uncontrolled Exposure

**Technical Information:**

Antenna Type: Non-detachable Monopole  
 Antenna Gain: 2dBi  
 Max. Transmitter Conducted Power: 20.26 dBm, 106.2 mW  
 Max. System EIRP: 22.26 dBm, 168.3 mW  
 Exposure Conditions: Greater than 20 centimeters

**MPE Calculation**

The Power Density (mW/cm<sup>2</sup>) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

MPE Calculator for Mobile Equipment Limits for General Population/Uncontrolled Exposure*							
Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/Cm <sup>2</sup> )	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )
1928.448	20.26	1.00	106.17	2	1.585	20	0.033

**Installation Guidelines**

The installation manual should contain text similar to the following advising how to install the equipment to maintain compliance with the FCC RF exposure requirements:

**RF Exposure**

In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 centimeters will be maintained.

**Conclusion**

This device complies with the MPE requirements by providing adequate separation between the device, any radiating structure and the general population.