

## **Certification Exhibit**

**FCC ID: P2SNTGR900GR  
IC: 4171B-NTGR900GR**

**FCC Rule Part: 15.247  
IC Radio Standards Specification: RSS-210**

**ACS Report Number: 08-0247-15C**

**Manufacturer: Neptune Technology Group, Inc.  
Model: R900G Remote**

## **RF Exposure**

**General Information:**

Applicant: Neptune Technology Group, Inc.  
 ACS Project: 08-0247  
 Device Category: Mobile  
 Environment: General Population/Uncontrolled Exposure

**Technical Information:**

Antenna Gain(s): 0 dBi  
 Antenna Type: PCB Helix  
 Maximum Transmitter Conducted Power: 19.55 dBm (Calculated from Field Strength)  
 Maximum System EIRP: 19.55 dBm  
 Exposure Conditions: Greater than 20 centimeters

**MPE Calculation**

The Power Density ( $\text{mW}/\text{cm}^2$ ) is calculated as follows:

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

Where:

S = power density (in appropriate units, e.g.  $\text{mW}/\text{cm}^2$ )

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<br>Limits for General Population/Uncontrolled Exposure* |                   |   |                  |                    |                       |               |   |
|---|-------------------|---|------------------|--------------------|-----------------------|---------------|---|
| Transmit Frequency (MHz)  | Radio Power (dBm) | Power Density Limit ( $\text{mW}/\text{cm}^2$ ) | Radio Power (mW) | Antenna Gain (dBi) | Antenna Gain (mW eq.) | Distance (cm) | Power Density ( $\text{mW}/\text{cm}^2$ ) |
| 919   | 19.55             | 0.61  | 90.16            | 0                  | 1.000                 | 20            | 0.018                                     |

**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.