

## **Certification Exhibit**

**FCC ID: S4MRSN300-16-A**

**FCC Rule Part: 15.247**

**ACS Report Number: 09-0145-15C**

**Manufacturer: TeraHop Networks, Inc.**  
**Model(s): RSN300**

## **RF Exposure**

**General Information:**

Applicant: TeraHop Networks, Inc.  
ACS Project: 09-0145  
Device Category: Portable  
Environment: General Population/Uncontrolled Exposure

**Technical Information:**

Antenna Type: Integral SMD  
Antenna Gain: 1.8dBi  
Maximum Transmitter Conducted Power: 10.51 dBm (11.24mW)  
Maximum System EIRP: 12.31 dBm (17.02 mW)  
Exposure Conditions: Portable

**Justification**

The RSN300 is used in portable RF exposure conditions however it is exempt from SAR evaluation based on the output power. Justification as to this exemption is detailed below.

$$60/f(\text{GHz}) = 60/2.478 = 24.21\text{mW}$$

$$17.02\text{mW} \leq 24.21\text{mW}$$

**FCC KDB 447498 Section 2(a)(i)**

A device may be used in portable exposure conditions with no restrictions on host platforms when either the source-based time-averaged output power is  $\leq 60/f(\text{GHz})$  mW or all measured 1-g SAR are  $< 0.4$  W/kg.

**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**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Conclusion**

This device complies with the RF exposure requirements based on the information provided herein.