



Excellence in Compliance Testing

5015 B. U. Bowman Dr.
Buford, GA 30518

September 2, 2009

ACS TCB
5015 B.U. Bowman Drive
Buford, GA 30518

Re: FCC ID: S4MGRG3-18-B

To Whom It May Concern:

The following application is submitted on behalf of our client, TeraHop Networks, Inc., for evaluation of their model GR2100a for certification under FCC Part 15.247.

The GR2100a Gateway Router (GR) unit serves as the point of data connection to and from clusters of remotes sensor nodes (RSN) in a TeraHop moveable wireless sensor network via a 2.4GHz radio.

The GR2100a also contains two single modular approved backhaul 802.11a radios used to interconnect multiple gateways, to connect to a Gateway Server (GS), and to provide a Wi-Fi access point for the system. The 802.11a radios are certified under FCC ID: SWX-XR5.

The GR2100a was evaluated for radiated intermodulation products for all simultaneously transmitting antennas and found to be in compliance.

The GR2100a is also populated with a Bluetooth radio which is rendered inactive by the grantee. If the Bluetooth radio is made active the grantee understands additional equipment authorizations apply.

Sincerely,

Sam Wismer
Vice President, Technology
Advanced Compliance Solutions, Inc.