firetide
wireless instant networks™

June 16, 2004

Compliance Certification Services
561F Monterey Road
Morgan Hill, CA 95037-9001

Dear Sir/Madam:

This letter will describe the antenna connection methodology for Firetide's Model 1000R Wireless Mesh Router. The antenna connection methodology is specified for each antenna which is requested to be approved for use with this product. For reference, these antennas are described below:

Antenna 1: 24" Omni, Type N Female Connector, P/N SG103N-2450
Antenna 2: 16" Omni, Type N Female Connector, P/N SG102N-2450
Antenna 3: 8" Omni, Type TNC Male (Reverse Polarity), S151TC-2450S
Antenna 4: 5" Omni, Bulkhead Mount (Non-Detachable), T614FL-L(132)-PX-2.4/5.x-S

Connection Methodology for Antennas 1 & 2: To present a more "non-standard" connection to the end user, Firetide will permanently attach a cable to these antennas. These antennas will only be shipped with the permanently attached cable. The cable will provide a Type N Male connection on one end and a Type TNC Male (reverse polarity) connection on the other end. To make the cable-to-antenna connection permanent, Firetide will use Loctite Threadlocker P/N 262 to adhere the N-type connection on the antenna to the N-type connection on the cable. The end user will thus be presented with an antenna plus permanently attached cable that provides a Type TNC Male (reverse polarity) connection.

Connection Methodology for Antenna 3: This antenna option provides a "non-standard" connection (Type TNC Male—reverse polarity).

Connection Methodology for Antenna 4: This antenna option includes a permanently attached antenna. When this antenna is shipped with the 1000R, it will be permanently attached to the Wireless Mesh Router housing and will not be removable by the end user.

Best Regards,

Ken Swanson
Director, Hardware Engineering
Firetide, Inc.