

General Safety Precautions

The following precautions apply to LGCell products.

- LGCell has no user-serviceable parts. Faulty or failed units are fully replaceable through LGC Wireless. Please contact us at 1-800-530-9960. For international customers, please contact us at +1-408-487-2400.
- Never input an RF signal to the Main Hub Duplex port that is higher than those defined on page 17 in *Section 2, LGCell Equipment*.
- Although modeled after an Ethernet/LAN-like architecture and connectivity, LGCell units (Main Hub, Expansion Hub, and the Remote Antenna Unit) are not intended to connect to Ethernet data hubs, routers, cards or other similar data equipment.
- For improved air circulation, be sure to leave at least one inch (25 mm) of space between all hubs and between any other equipment in the rack. If mounting a hub on the rack's bottom shelf, also leave at least a one inch of clearance from the bottom.
- When you connect the Multi-Mode Fiber (MMF) Optical Cable, take the same precaution as if installing Ethernet network equipment. All optical fiber ST connectors should be cleaned according to the cable manufacturer's instructions.
- When you connect a radiating antenna to an RAU, DO NOT over-tighten the SMA connector. Firmly hand-tightening the connector is adequate.

Antenna gain is restricted to 1.5 W ERP (2.49 W EIRP) in order to satisfy RF exposure compliance requirements. If higher than 1.5 W ERP, routine MPE evaluation is needed. The antennas should be installed to provide at least 20 cm from all persons to satisfy MPE requirements of FCC Part 2, 2.1091.



To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.



Fiber Port Safety Precautions

Suggested safety precautions for working with LGCell Fiber Ports follow. For information about LGCell compliance with safety standards, see *Appendix C – Compliance Information*.

- **Viewing fiber:** Observe the following warning about viewing fiber ends in

ports.

Do not stare with unprotected eyes at the connector ends of the fibers or the ports of the hubs. Invisible infrared radiation is present at the front panel of the Main Hub and Expansion Hub. Do not remove the Fiber Port dust cover unless the port is in use. Do not stare directly into a Fiber Port.



- **Test fiber cables:** When you use test fiber optical cables, connect the optical power source last and disconnect it first.
- **Fiber ends:** Cover any unconnected fiber ends with an approved cap. Do not use tape.
- **Broken fiber cables:** Do not stare with unprotected eyes at any broken ends of the fibers. Report any broken fiber cables and have them replaced.
- **Cleaning:** Use only approved methods for cleaning optical fiber connectors.
- **Modifications:** Do not make any unauthorized modifications to this fiber optical system or associated equipment.
- **Live work:** Live work is permitted on the *LGCell* as it is a Class 1 hazard.
- **Signs:** No warning signs are required.
- **Test equipment:** Use Class 1 test equipment.