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Maximum Permissible Exposure (MPE) Compliance Statement for the SpotCell 111/112 (1900MHz PCS) Adaptive Repeater

The SpotCell 111/112 (1900MHz) equipment has been tested and the performance characterized in accordance with the MPE requirement of CFR 47, Part 1.1310.

The system is a low power adaptive repeater, having integral antennas built into the CU and DU modules. At maximum operating frequency of 1985MHz the MPE limit is 1mW/cm². The SpotCell 111/112 complies with this limit at the following line of sight distances from the antenna element:

DU: 8.9cm
CU: 0.9cm

A warning statement for the DU is provided in the Installation Manual. The integral radome on CU provides > 1.5cm physical separation from the antenna so that no warning statement is required for this module.

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