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Maximum Permissible Exposure (MPE) Compliance Statement for the SpotCell 100 (800 MHz) Adaptive Repeater

The SpotCell 100 (800 MHz) A/B equipment has been tested and the performance characterized in accordance with the MPE requirements of 47 CFR.

The system is a low power adaptive repeater, having integral antennas built into the SCU and DDU modules. At the maximum operating frequency of 894 MHz the MPE limit for the General Population/Uncontrolled Exposure is $0.6\text{mW}/\text{cm}^2$. The SpotCell 100 (800MHz) complies with this limit at the following line of sight distances from the antenna element:

DDU : 12 cm
SCU : 0.4 cm

A warning statement for the DDU is provided in the Installation Manual. The integral radome on the SCU provides $> 0.5\text{cm}$ physical separation from the antenna so that no warning statement is required for this module.

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