

Radiofrequency Radiation Exposure Limits (CFR 47 §1.1310)

SAR Exclusion for Long Range Systems ButlerXP

The device is to be operated in a pole mounted or similar configuration and not held or carried while in operation. The antenna is internal to the device and separated by at least 10mm from the outside surface of the enclosure where user can be expected to touch with fingers while pushing the "Service" button.

Per FCC KDB 447498, the device is exempt from SAR evaluation testing as it meets the exclusion in section 4.3 at a separation distance of 7mm from extremities.

The calculation is as follows:

$72\text{mW}/7\text{mm} * \sqrt{0.468\text{GHz}} = 7.04$, which is less than 10-g extremity SAR limit of 7.5