

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Date: 4/8/2026
FCC ID: WXF-ONST17

The calculation below will show that power density of WXF-ONST17 at a distance of 20cm is below the FCC allowed limit of 1.0 mW/cm² for a mobile device.

The power density S is:

$$S = \frac{P \cdot G}{4\pi R^2}$$

Where:

- **S** = power density (mW/cm²)
- **P** = conducted output power (mW)
- **G** = antenna gain (numeric, not dBi)
- **R** = separation distance (cm) → **use 20 cm minimum for mobile devices**

In our case,

$P = 0\text{dBm}$ To convert to mW, $P(\text{mW}) = 10^{\frac{\text{dBm}}{10}}$
Therefore, $P(\text{mW}) = 1\text{mW}$

$G = 0.5\text{dBi}$ max. Numerically, $G = 10^{\frac{\text{dBi}}{10}}$
Therefore, $G = 1.122$

$R = 20\text{cm}$

$S = (1\text{mW} * 1.122) / (4\pi * 20^2) = \mathbf{0.000223 \text{ mW/cm}^2}$

The calculated power density at 20 cm is below the general population/uncontrolled exposure limit of 1.0 mW/cm². Therefore, the device complies with FCC RF exposure requirements for mobile devices.



Onset Computer Corporation

Applicant: Onset Computer Corporation

Address: 470 MacArthur Blvd., Bourne, MA 02532, United States

Contact Person: James W. Corrigan

Tel.: 508-743-3195

Email: jim_corrigan@onsetcomp.com

Sincerely,

A handwritten signature in black ink that reads "James W. Corrigan". The signature is fluid and cursive, with the first name "James" being more prominent.

Hardware Engineer