ZB4001(45856) MPE calculation FCC ID: U2ZZB4001

The maximum measured power output is: 16.3dBm

The maximum antenna gain for integral antenna is: 2.3dBi

The maximum permissible exposure is defined in 47 CFR 1.1310 with 1 mW/cm².

The Transmitter is using external antennas that operate at 20 cm or more from nearby persons.

The maximum permitted level is calculated using the general equation:

$S = P' / 4\pi R^2$

P' = 16.3dBm+2.3dBi =18.6dBm=72.4mW

R = 20cm

π = 3.1416

Solving for S, the power density at 20 cm is: **0.144mW/cm²**