U2ZBT4201 MPE calculation

Dear Reviewer,

The maximum measured power output is: 8.2dBm

The maximum antenna gain for integral antenna is: 1.3dBi

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

The Transmitter is using integral 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' = 8.2dBm+1.3dBi =9.5dBm=8.9mW

R = 20cm

π = 3.1416

Solving for S, the power density at 20 cm is: **0.018mW/cm²**