ZB3101(45852) MPE calculation FCC ID: U2ZZB3101

The maximum measured power output is: 18.2dBm

The maximum antenna gain for integral antenna is: 1.8dBi

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' = 18.2dBm+1.8dBi =20.0dBm=100mW

R = 20cm

$\pi = 3.1416$

Solving for S, the power density at 20 cm is: **0.199mW/cm²**