RF exposure requirements – ZTE WP822R

Dear Reviewer,

The maximum measured power output is
    CDMA 800:23.82dBm
the maximum antenna gain for integral antenna is
    CDMA 800: 2dBi
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:

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

    CDMA 800:   P' = 23.82dBm+2dBi=25.82dBm=382mW
R = 20cm

π = 3.1416

Solving for S, the power density at 20 cm is
    CDMA 800: **0.076mW/cm²**
So the limit is kept.

Best Regard.

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