RF exposure requirements - FCC ID: PUX 70TX-D

Dear Application Examiner,

The maximum measured power output is 478.63 mW (26.8 dBm), the maximum antenna gain is +4 dBi = numeric gain 2.51 (see also FCC test report).

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

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

The maximum permitted level is calculated using the general equation:

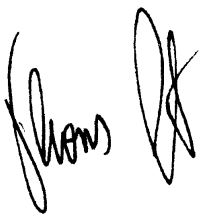
$$S = P*G / 4\pi R^2$$

P = 478.63 mW,
G = 2.51 (numeric gain; +4 dBi = linear power gain relative to the isotropic radiator),
R = 20 cm
π = 3.1416

Solving for S, the power density at 20 cm is 0.239 mW/cm².
So the 1 mW/cm² limit is kept.

Please contact us if you have any additional questions.

Best Regards
HM-Funktechnik GmbH
Thomas Stöhr



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