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STRX14-A4 Strix Systems Inc. Model OWS 2400-30

Maximum Permissible Exposure Calculations

FCC, Part 15 Subpart C §15.407(f)

Calculations for Maximum Permissible Exposure Levels

Power Density = Pd (mW/cm²) = EIRP/(4πd²)

EIRP = P * G

P = Peak output power (mW)

G = Antenna numeric gain (numeric)

d = Separation distance (cm)

Numeric Gain = 10 ^ (G (dBi)/10)

P (worst case) = 12.0 dBi antenna +18.0 dBm, 23.0 dBi antenna +7.0 dBm

Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 1.0 mW/cm²

Antenna Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated safe distance @ max limit 1mW/ cm ² (d=cm)
12.0	15.9	+18.0	63.0	8.9
23.0	199.5	+7.0	5.01	8.9