EMITECH GROUPE

RF EXPOSURE EVALUATION

Equipment under test: NANO SPY T1

FCC ID number: W4512525

IC number: 25800-12525

Test report reference: RCE-100-19-105868-2-A

MPE calculation

These equations are generally accurate in the far field of an antenna but will over predict power density in the near field, where they could be used for making a "worst case" prediction.

$S = PG/4\pi R^2$

Where: S = power density (in appropriate units, e.g. mW/cm^2)
P = power input to the antenna (in appropriate units e.g. mW)
G = power gain of the antenna in the direction of interest relative to the isotropic radiator
R = distance to the centre of radiation of the antenna (appropriate units e.g. cm)

Or

$S = EIRP/4\pi R^2$

Where EIRP = equivalent isotropically radiated power

Calculation:

(Calculated for max. EIRP)

EIRP: +1.40 dBm (1.381 mW)

Calculated at distance ≥ 50mm:

Power density = 0.004 mW/cm^2

Limit:

$309mW/cm^2$ is the reference level for RSS-102 Issue 5 for distance separation ≥ 50mm

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