

MPE Evaluation

Applicant: ChamSys Ltd
FCC ID: 2AQWR-QUICKQD
Model: QuickQ DIN, MagicQ DIN

MPE Evaluation

RF Exposure Compliance Requirement

Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 and FCC 1.1310 Radiofrequency radiation exposure limits for General Population/Uncontrolled Exposure

EUT RF Exposure

$$P_d = \frac{PG}{4\pi R^2}$$

P_d = power density in mW/cm²

P = output power to antenna in mW

G = gain of antenna in linear scale

$$\pi = 3.14$$

R = distance between observation point and center of the radiator in cm

WIFI:

The Max Output Power is 14.75 dBm in 802.11b mode 2.442GHz;

Antenna gain: 3 dBi, gain of antenna in linear scale: 2

$R=20\text{cm}$

$$P_d = \frac{PG}{(4\pi R^2)} = 0.012 \text{ mW/cm}^2 < 1 \text{ (limits) mW/cm}^2$$

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