
RF Exposure / MPE Calculation

Applicant	:	Dongguan Huaqiang SANYO Electronics Co., Ltd.
Equipment	:	Multimedia Projector
Model No.	:	PLC-WXU700, LC-WB42N
FCC ID	:	WS309KY7AC00

Dongguan Huaqiang SANYO Electronics Co., Ltd. declares that Model : PLC-WXU700, LC-WB42N complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the models as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0mW/cm² uncontrolled exposure limit.

The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

P = 26.33 dBm = 429.54 mW (Maximum peak output power)

G = 2.50 dBi = 1.78 (Antenna gain)

r = 20.0 cm

Thus: S = 0.15 mW/cm²
