

Product Name : Phottix Ares II Flash Trigger Transmitter

Model Number: F0702

FCC ID: P9M-ARES2TX

RADIO FREQUENCY EXPOSURE COMPLIANCE RESULT :

Test Standard : FCC KDB Publication 447498 D01 V06 Clause 4.3.1,

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances 50 mm are determined by:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot$$

$f_{(\text{GHz})}$ 3.0 for 1-g SAR and 7.5 for 10-g extremity SAR, where

$f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 50 mm, a distance of 50 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

According to the actual measurement,

max. power of channel, including tune-up tolerance = 0.37497mW

min. test separation distance = 50mm

$f_{(\text{GHz})} = 1.55$

The test result is 0.1162407 3.0 for 1-g SAR 7.5 for 10-g SAR, hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01: General RF Exposure Guidance V06.