RF exposure information

FCC ID: 2AFO8520109X46X

1. Introduction:

The EUT is designed to be used inportable exposure conditions.

This product integrates a transmitter operated in 433.92 MHz frequency band.

2. Output power considerations:

Worst case output power transmitter (E_{max}): 70.35 dB μ V/m@3m Pt=(E*d)/ (30 x gt) = 0.0003mW gt=numeric gain of the transmitting antenna (unites) = 1 E=electric field strength in V/m = $10^{-6} \times 10^{\Lambda(70.35/20)}$ V/m = 0.003V/m d=measurement distance in meters (m) = 3 (m)

3. Compliance criteria:

According to 447498 D01 G/1000eneral RF Exposure Guidance v05 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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz Power and distance are rounded to the nearest mW and mm before calculation

Calculate:

 $(0.003/5)/\sqrt{f(0.43392)} = 0.0009 < 3$ for 1g SAR

Then SAR evaluation is not required.