Product Name：2.4GHz Wireless Receiver

Model Number: RG201

FCCID: OO9RG201

RADIO FRREQUENCY EXPOSURE COMPLIANCE   RESULT   :

PASS   Test standard   :   According to 447498   D01 General 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)] ·[√f(GHz)] ≤ 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

The result is rounded to one decimal place for comparison

eirp = pt x gt = $(EXd)^2/30$

where:

  pt = transmitter output power in watts,

  gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m,   --- $10^{((dBuV/m)/20)}/10^6$

d = measurement distance in meters (m)---3m

So pt = $(EXd)^2/30$ x gt

Field strength =86.73dBuV/m @3m

Ant gain =0dBi

So pt={ $[10^{(86.73/20)}/10^6$ x3$]^2/30$x1 }x1000 mW =0.1413 mW

So (0.1413 mW/5mm)x   √2.439 = 0.044 <3

Then SAR evaluation is not required