Maximum Permissive Exposure

FCC ID: 2ABGUCE10207

Product Name: Ceiling Fan Remote Controller

Model No: BTR9

1. According to FCC CFR 47 §1.1310, the criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b).

Table 1 Limits for Maximum Permissible Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Average Time (Minutes)
(,	A) Limits For Occupa	ational / Control Exp	osures (f = frequenc	y)
30-300	61.4	0.163	1.0	6
300-1500	***	• • •	f/300	6
1500-100,000			5.0	6
(B) Lin	nits For General Pop	ulation / Uncontrolle	ed Exposure (f = freq	uency)
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000		***	1.0	30

2. MPE Calculation

Fanimation, INC declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation. Based on safety distance 20cm, the antenna gain of 2.4GHz is 6.03 dBi, and the power output is 0.873mW, the power density is 0.000698 mW/cm².

RF Exposure Calculations:
S = (P * G) / (4*
$$\pi$$
 * r^2) or r \forall (P * G) / (4 * π * S)

Where S = Power Density in mW/cm²

P = -0.59dBm = 0.873mW

G = 6.03 dBi = 4.008 Numerical

r = 20cm

 $S = 0.873*4.008 / 4*\pi*20^2 = 6.98x10^4 \text{mW/cm}^2$

Sincerely Yours,

Jeff Wishek 12/11/13

Senior Project Manager

Fanimation, INC