

## Maximum Permissive Exposure

FCC ID: 2AN2F-17CF102-01

EUT: 10.1" Cloud Picture Frame

M/N: CF101; CF102; CF103; CF105; CF106; CF107; CF108; CF109

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/cm <sup>2</sup> )	Average Time (Minutes)
(A) Limits for Occupational / Control Exposures (f = frequency)				
30-300	61.4	0.163	1.0	6
300-1500	---	---	f/300	6
1500-100,000	---	---	5.0	6
(B) Limits for General Population / Uncontrolled Exposures (f = frequency)				
30-300	27.5	0.073	0.2	30
300-1500	---	---	f/1500	30
1500-100,000	---	---	1.0	30

### 2. MPE Calculation

**Guangdong GADMEI Intelligent Technology Co., Ltd.** 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.

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

#### 2.1. Estimation Result

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
11b	CH1	2412	13.77	23.823	1.92	1.556	0.007378
	CH6	2437	13.8	23.988	1.92	1.556	0.007429
	CH11	2462	13.6	22.909	1.92	1.556	0.007095
11g	CH1	2412	12.51	17.824	1.92	1.556	0.005520
	CH6	2437	12.58	18.113	1.92	1.556	0.005610
	CH11	2462	12.39	17.338	1.92	1.556	0.005370
11n HT20	CH1	2412	13.03	20.091	1.92	1.556	0.006222
	CH6	2437	13.06	20.230	1.92	1.556	0.006265
	CH11	2462	12.84	19.231	1.92	1.556	0.005956

Based on safety distance (r) **20cm**, the antenna gain (G) is **1.556 Numerical**, and the highest power output (P) is **23.988mW**, the power density (S) is **0.007429mW/cm<sup>2</sup>**.