

RF Exposure Evaluation

FCC ID: PVFA0028

1. Client Information

Applicant : Shenzhen Global Idealtech Electronic Co., Ltd.
Address : Room 2508, Zhantao Building, Minzhi Ave., Shenzhen, Guangdong, China
Manufacturer : Shenzhen Global Idealtech Electronic Co., Ltd.
Address : Room 2508, Zhantao Building, Minzhi Ave., Shenzhen, Guangdong, China

2. General Description of EUT

EUT Name	:	Tablet PC
Models No.	:	A0028
Model Difference	:	N/A
Product Description	:	Bluetooth Operation Frequency: 2402MHz~2480MHz 802.11b/g Operation Frequency: 2412MHz~2462MHz
	Number of Channel:	802.11b/g:11 Channels Bluetooth Operation Frequency: 2402MHz~2480MHz
	Out Power	802.11b: 12.77 dBm 802.11g: 11.40 dBm Bluetooth 1 Mbps: -0.15 dBm Bluetooth 3 Mbps: -0.39 dBm
	Antenna Gain:	0 dBi Embedded Antenna
	Modulation Type:	802.11b: CCK, QPSK, BPSK 802.11g: OFDM GFSK 1Mbps(1 Mbps) $\pi/4$ -DQPSK(2 Mbps) 8-DPSK(3 Mbps)
	Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps Bluetooth: up to3Mbps

Power Supply	:	DC Voltage supplied from AC/DC adapter DC Voltage supplied by Li-Polymer battery.
Power Rating	:	AC Adapter: Model: ZF120A-1902200 Input: 100~240V 50/60Hz 1.5A Output: DC 19V 2.2A Li-Polymer battery :DC 11V
Connecting I/O Port(S)	:	Please refer to the User's Manual

MPE Calculations

1. No Evaluation required if power is below
 $(60/f(\text{GHz}) \text{ mW})$ where f is the transmit frequency of the EUT.

2. Calculation:

$$\text{EIRP} = \text{P} + \text{G}$$

Where P=Conducted Output Power (dBm)

G=Power Gain of the Antenna (dBi)

So

802.11b/g				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
802.11b	12.77	0	12.77	18.923
802.11g	11.40	0	11.40	13.804
Bluetooth				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
GFSK(1Mbps)	-0.15	0	-0.15	0.966
8DPSK(3Mbps)	-0.39	0	-0.39	0.914

3. Conclusion:

No SAR Evaluation required since Transmitter EIRP is bellow FCC threshold.

Note

For a more detailed features description, please refer to the RF Test Report.
 WiFi and Bluetooth can not be transmitting at the same time.