

RF Exposure Evaluation

FCC ID: 2ARGH-PV101A

1. Client Information

Applicant : PICA VUE INC
Address : 507 DALTRY CT, CHALFONT, USA
Manufacturer : PICA VUE INC
Address : 507 DALTRY CT, CHALFONT, USA

2. General Description of EUT

EUT Name	:	10.1 INCH ANDROID TABLET	
Models No.	:	PV101A	
Model Difference	:	N/A	
Product Description	:	Operation Frequency:	Bluetooth V4.0: 2402MHz~2480MHz 802.11b/g/n(HT20): 2412MHz~2462MHz
		RF Output Power:	802.11b: 8.67dBm 802.11g: 7.81dBm 802.11n (HT20): 7.76dBm BLE: 8.712dBm
		Antenna Gain:	1.14dBi PCB Antenna
Power Supply	:	DC Voltage Supply from DC Adapter(FJ-SW1202000U). DC Voltage supplied by Li-ion battery.	
Power Rating	:	Input: DC 12V2A by DC Adapter. DC 3.7V by 5000mAh Li-ion battery.	
Product HW/SW	:	N/A	
Radio HW/SW	:	N/A	
Test Software	:	RFTestTool.exe	
TX Power setting Parameters	:	DEF	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note: More test information about the EUT please refer the RF Test Report.

MPE Calculations for WIFI

1. Antenna Gain:

PCB Antenna: 1.14dBi.

2. EUT Operation Condition:

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

3. Exposure Evaluation:

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = (PG) / 4\pi R^2$$

Where

S: power density

P: power input to the antenna

G: power gain of the antenna in the direction of interest relative to an isotropic radiator.

R: distance to the center of radiation of the antenna

4. Test Result:

Mode	Conducted Power(max) (dBm)	Turn-up Power (dB)	Max tune up power (dBm) [P]	ANT Gain (dBi) [G]	Distance (cm) [R]	Power Density (mW/ cm ²) [S]	Limit of Power Density (mW/ cm ²) (S)
BLE	8.712	8±1	9	1.14	20	0.00205	1
802.11B	8.67	8±1	9	1.14	20	0.00205	1
802.11G	7.81	7±1	8	1.14	20	0.00163	1
802.11N(HT20)	7.76	7±1	8	1.14	20	0.00163	1

5. Conclusion:

As specified in Table 1B of 47 CFR 1.1310- Limits for Maximum Permissible Exposure (MPE),

Limits for General Population/ Uncontrolled Exposure

Frequency Range (MHz)	Power density (mW/ cm ²)
300-1,500	F/1500
1,500-100,000	1.0

For BT:2402~2480 MHz

For WIFI:2412~2472 MHz

MPE limit S: 1mW/ cm²

The MPE is calculated as $0.00205\text{mW} / \text{cm}^2 < \text{limit } 1\text{mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.

The EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47 CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.

Note

For a more detailed features description, please refer to the RF Test Report.

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