

RF Exposure Evaluation

FCC ID: OTFV702

1. Client Information

Applicant : Sichuan Friend Electronics Co., Ltd.
Address : No. 95, Puming Road, High-tech Zone, Mianyang City, Sichuan, China
Manufacturer : Sichuan Friend Electronics Co., Ltd.
Address : No. 95, Puming Road, High-tech Zone, Mianyang City, Sichuan, China

2. General Description of EUT

EUT Name	:	Mobile Internet Devices	
Models No.	:	V702, V705, V708, V710, V715, ST0719	
Model Difference	:	The different models are identical in schematic, structure and critical component, the only different is the appearance.	
Product Description	:	Operation Frequency: 802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40):2422MHz~2452MHz	
	:	Number of Channel:	802.11b/g/n(HT20):11 channels 802.11n(HT40):7 channels
	:	Out Power	802.11b: 12.90 dBm 802.11g: 11.44 dBm 802.11n (HT20): 11.07 dBm 802.11n(HT40): 10.69 dBm
	:	Antenna Gain:	0 dBi Embedded Antenna
	:	Modulation Type:	802.11b: CCK, QPSK, BPSK 802.11g: OFDM 802.11n (20M): OFDM
	:	Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps
Power Supply	:	DC Voltage supplied from AC/DC adapter DC Voltage supplied from Li-Polymer battery	
Power Rating	:	AC Adapter: Input: 100~240V 50/60Hz Output: 5V 2A DC 3.7V 2850mAh from Li-Polymer battery	

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)

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Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
802.11b	12.90	0	12.90	19.498
802.11g	11.44	0	11.44	13.932
802.11n(HT20)	11.07	0	11.07	12.794
802.11n(HT40)	10.69	0	10.69	11.722

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.