

RF Exposure Evaluation

FCC ID: YHO-PXT50810

1. Client Information

Applicant : Spheris Digital Ltd.
Address : Flat Room A21, BLK a, 4/F, Sheung Shui Plaza, 3ka fu close, Sheung Shui, Hong Kong
Manufacturer : Spheris Digital Ltd.
Address : Flat Room A21, BLK a, 4/F, Sheung Shui Plaza, 3ka fu close, Sheung Shui, Hong Kong

2. General Description of EUT

EUT Name	:	Wireless Digital Display	
Models No.	:	PXT510WR02, PXT507WR02, PXT508WR02, PXT508VR02, PXT508GR02, PXT510VR02, PXT510GR02.	
Model Difference	:	The different models are identical in schematic, structure and critical component, the only different is the appearance.	
Product Description	:	Operation Frequency: 2412MHz~2462MHz	
	:	Number of Channel:	11 Channels see note (2)
	:	Out Power	802.11b: 12.92 dBm 802.11g: 12.15 dBm 802.11n (20M): 11.85 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	
Power Rating	:	AC/DC adapter: I/P 100~240V 50/60Hz 0.35A O/P DC5V 3A	
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)

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Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
802.11b	12.92	0	12.92	19.588
802.11g	12.15	0	12.15	16.405
802.11n(20M)	11.85	0	11.85	15.311

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.