

RF Exposure Evaluation

FCC ID: OJ2-SP3XX-WSXXX

1. Client Information

Applicant : Hichan Technology Corp.

Address : 12F., No.2,Jian 8th Rd., Zhonghe Dist., New Taipei City 23511, Taiwan

Manufacturer : Hichan Technology Corp.

Address : 12F., No.2,Jian 8th Rd., Zhonghe Dist., New Taipei City 23511, Taiwan

2. General Description of EUT

EUT Name	:	Wireless Storage	
Models No.	:	SP300, SP300A, SP300B, SP300C, SP300D, SP300E, WD100, WD200, WD300, WD400, WD500, WS100, WS200, WS300, WS400, WS500, SP310.	
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:	802.11b/g/n(20M):11 Channels 802.11n(40):7 Channels see note
		Out Power	802.11b: 12.89 dBm 802.11g: 11.56 dBm 802.11n (20M): 12.83 dBm 802.11n (40M): 12.40 dBm
		Antenna Gain:	0 dBi Chip 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	:	USB Charging from PC. DC Voltage supplied from Li-Polymer battery.	
Power Rating	:	USB DC 5V form PC. DC 3.7V 2100mAh 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)

So

Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
802.11b	12.89	0	12.89	19.453
802.11g	11.56	0	11.56	14.322
802.11n(20M)	12.83	0	12.83	19.187
802.11n(40M)	12.40	0	12.40	17.378

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.