

FCC Part 15 Certification **Test Report**

5.8 GHz Digital Transmission System Radio Module

FCC ID: HSW-5811M

FCC Rule Part: 15.247

ACS Report Number: 03-0143-15B

Manufacturer: Cirronet, Inc.
Model: WIT5811

Theory of Operation

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Frequency band:	5.729-5821 GHz
Over the air data rate:	1.2288 Mbps
Number of Channels:	75
Channel Spacing:	1.2288 MHz, $TX_{Ch0} = 5729.8944$ MHz
Maximum user rate:	912.6 Kbps for USB adapter asynchronous serial interface
Network:	star network, supporting at least 62 users
Transmitted power:	24 dBm high power mode; 14 dBm low power mode
Rx Sensitivity:	-89 dBm (BER= 10^{-5})
Blocking level:	-35dBm (with received signal 3dB higher than rated sensitivity)
ACR:	1dB
2ndACR:	15dB
Supply voltage:	12v

Antenna Description

Manuf.	Mod. Number	Type	Connector	Gain
Mobile Mark	ODN9-5725	Omni	N-F	9dBi
Mobile Mark	SCR14-5725	Corner	N-F	14dBi
Mobile Mark	PSTN3-5725	Omni	SMA-M, straight	2dBi
Mobile Mark	PSWN3-5725	Omni	SMA-M, Rt. angle	2dBi
Advanced Circuits International	A-7030-0492 (Cirronet PN)	Patch	MMCX-M	14dBi