

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