

Cirronet, Inc.
5375 Oakbrook Parkway
Norcross, Georgia 30093
USA

FRN: 0005-7963-96

Al Patrick
678 684 2000 ext.138

To Whom It May Concern:

This is a request for an FCC Permissive Change II to add an antenna that is equal to an already approved antenna for use with Cirronet's FCC ID HSW-2410M but has a reverse TNC connector.

Normally this would be an FCC Permissive Change I; however our EU customer believes that it must be an FCC Permissive Change II.

The specifications from the manufactures of the antennas are attached.

Al Patrick, Sr. Compliance Engineer



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Original ACE antenna used in FCC filing of 10/6/1999 FCC ID HSW-2410M
FRN: 0005-7963-96

Ace Antenna Company
21010 Superior St.
Chatsworth, CA 91311

NO.	특기 사항	내 용
1	MODEL 명	ACE-2400NF
2	ANTENNA TYPE	DIPOLE ANTENNA
3	ANTENNA 형상	90° 꺾임 TYPE
4	FREQUENCY	2.4-2.5GHz
5	CONNECTOR TYPE	SMA NONE STANDARD FEMALE CONNECTOR(나사 : 1/4-36 UNS-2B)
6	V.S.W.R	1.9 :1 이하
7	GAIN	2.0dBi ± 0.5

Request permissive change II on the PW5S-2400-02-04 as equivalent to the
ACE 2400NF used in original filing
Dated: 10/6/1999 FCC ID HSW-2410M FRN: 0005-7963-96

LM Electronics
1360 Rolling Oaks Drive
Carol Streams, IL

Technical Specifications:

The PWDS-2400-02-04 is a 2.4GHz Swivel, portable omni- directional antenna. These types of antennas produce an omni pattern. Its unique construction creates a highly reliable antenna with outstanding pattern shape and control. This model uses a TNC reverse polarity connector.

SPECIFICATIONS:

FREQUENCY RANGE	2.4GHz to 2.5GHz
POLORIZATION	Vertical.
GAIN	2.0dBi.
HORIZONTAL BEAMWIDTH	360 Degrees
TERMINATION	TNC reverse polarity connector
STYLE	Swivel
MAX INPUT POWER	10W.
LENGTH	5.4"
WEIGHT: lbs.	< 1.0 lbs.
MATERIAL	PVC Jacket/Black Polyurethane