LXE

Regulatory Compliance Team

October 2, 2003

Federal Communications Commission
Equipment Authorization Division,
Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21046

RE: Class II Permissive Change

Dear Sir:

The purpose of this letter is to submit a Class II permissive change to add 9 antennas for use on the radio device that bears FCC ID: HZB-B11FNF under the Model # B11FNF manufactured by Proxim Co. The application is submitted with permission from Proxim Co. (See enclosed letter authorizing permission).

The radio device is an 11 channel direct sequence spread spectrum PCMCIA radio module operating in the band of 2400-2483.5MHz under 15.247 of the rules.

The new antennas are of the similar type and of equal or lesser gain than antennas already submitted and approved by the commission for use on the radio device. The antennas are generally described below. Photographs and specification sheets are included in separate exhibits.

Omni antennas are:

Antenna #1
Mfg: LXE Proprietary
Model: Spire
LXE P/N: 155846-0001
Type: Omni-directional
Gain: 3dBi

Antenna #2
Mfg: LXE Proprietary
Model: Spire
LXE P/N: 155845-0001
Type: Omni-directional
Gain: 6dBi

Antenna #3
Mfg: Mobile Mark
Model: 0D9-2400
LXE P/N: 480424-0411
Type: Omni-directional
Gain: 9dBi

Antenna #4
Mfg: Cuschraft
Model: RTN2400SXR
LXE P/N: 153180-0001
Type: Omni-directional
Gain: 0dBi

Antenna #5
Mfg: Cushcraft
Model: S2400FGNM
LXE P/N: 153325-0001
Type: Omni-directional
Gain: 0dBi

Directional antennas are:

Antenna #6
Mfg: Cushcraft
Model: PC2415N
LXE P/N: 460602-3020
Type: Directional
Gain: 15dBi

Antenna #7
Mfg: Cushcraft
Model: S2401290P 12RTN
LXE P/N: 480429-2703
Type: Directional
Gain: 12dBi

Antenna #8
Mfg: Hypergain
Model: HG2415P
LXE P/N: 480429-2712
Type: Directional
Gain: 15dBi

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Antenna #9
Mfg: Cushcraft
Model: S2307MP10RTN
LXE P/N: 480429-3508
Type: Directional
Gain: 7.5dBi

Due to the reduced gain of these antennas relative to the already approved antennas (10.0dBi Model # AOU24-OD-10) for Omni Directional and (23.5dbi Model # AOU24-DI-24) for Directional antennas, radiated spurious emissions testing was deemed unnecessary and not performed. These antennas will all be used in fixed locations. RF Exposure compliance is addressed in a separate exhibit.

Sincerely,

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