LXE®
An EMS Technologies Company

125 Technology Parkway
Norcross, Georgia, US 30092

FCC Part 15 Subpart C

Frequency Spread Spectrum Transmitter

Class 2 Permissive Change Test Report

FCC Report Cover

Manufacturer: Proxim Corporation

Model: B11FNF

Variants: ◊ **480429-2712**
◊ **460602-3020**
◊ **480424-0411**

FCC ID: HZB-B11FNF

Project Number: 03-014

2.0 LOCATION OF TEST FACILTY
The LXE test facility is located at the following address:

LXE, Inc.
An Electromagnetic Sciences Company
125 Technology Parkway
Norcross, GA US 30092-2993

2.1 DESCRIPTION OF OPEN AREA TEST SITE
All tests were conducted at the manufacture's test facility at a location specifically prepared for this testing. The radiated emissions test site meets the characteristics of ANSI C63.4:1992, CISPR 16 and EN 55022:1998-. This site has been fully described and submitted to the FCC, and accepted in their letter with **registration number 90763.**
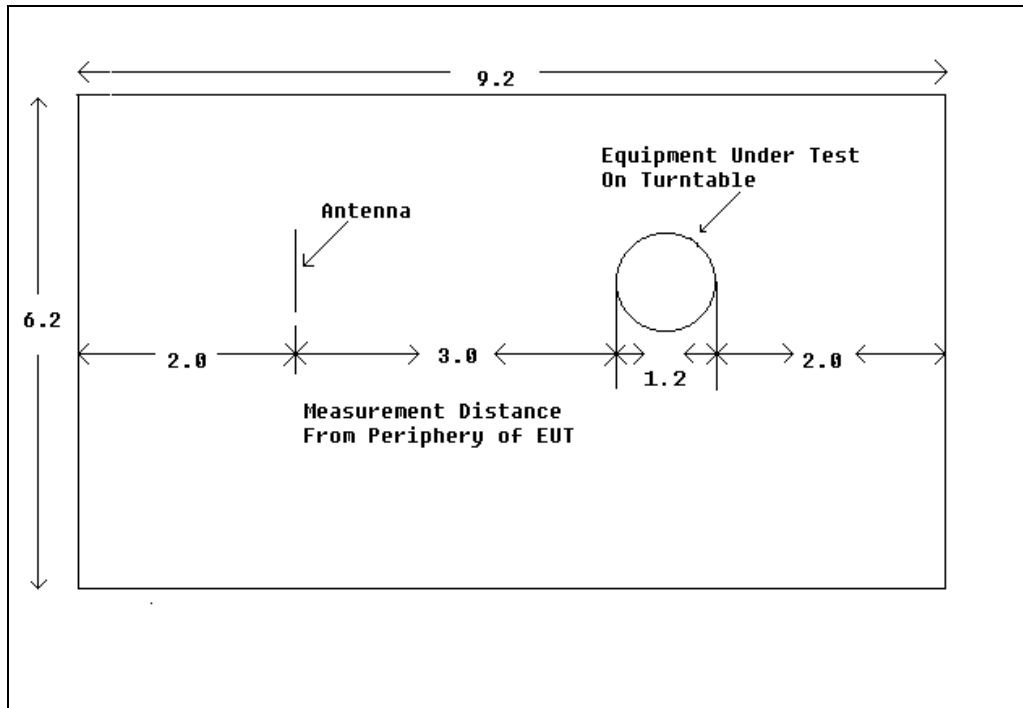
The open area test site (OATS) is located in the center of the rooftop of the building. The roof is located at a height of approximately 8 meters above the ground. The 3 meter radiated emissions test site is an open, flat area approximately 6.2m x 9.2m in dimension. All reflecting objects including test personnel lie outside the perimeter of the ellipse. The site has a ground plane which extends 2 meters past the mast and equipment under test (EUT). Material of the ground plane, comprised of individual 1/4" metal screen mesh rolls, were soldered at the seams with gaps smaller than 1/10 of the wavelength at 1000MHz. The ground plane is connected to the earth ground by ground rods. All wiring is done at floor level around the test site periphery.

A nonconductive remotely controlled turntable approximately 0.91m x 1.2m x 0.8m was used to measure radiated emissions from all sides of the EUT. The turntable has a center opening that allows cabling to be routed directly down to the conducting ground plane.

The radiated emissions test setup is shown in figure 1.

2.2 Radiated Emissions Testing Facility Drawing

All dimensions are in meters (m)

Figure 1: Open Area Test Site (OATS)