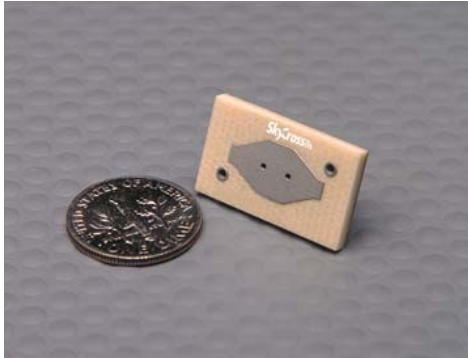# 5.25 GHz Loop Antenna for
# High Data Rate WLAN Applications

Features
- *Very Efficient MLA Technology*
- *U-NII/HyperLAN2 Band*
- *Uni-directional Pattern*
- *Peak Gain +2.2 dBi*
- *Low Profile for Embedded Applications*

This compact Wireless LAN antenna covers the 5.25 GHz frequency band, encompassing frequency allocations for IEEE 802.11a and ETSI HiperLAN2 standards. Using SkyCross' patented MLA technology, this antenna provides superior efficiency and gain directivity in a small package. This antenna is the best performance solution for developers implementing high data rate WLANs in the 5.25 GHz frequency band.

Electrical Specifications

Frequency Range	**5150 — 5350 MHz**
Gain	**2.2 dBi Peak**
VSWR	**< 2:1**
Polarization	**Linear**
Elevation Pattern	**Uni-directional**
Feed Impedance	**50 Ohms Unbalanced**

Typical Return Loss
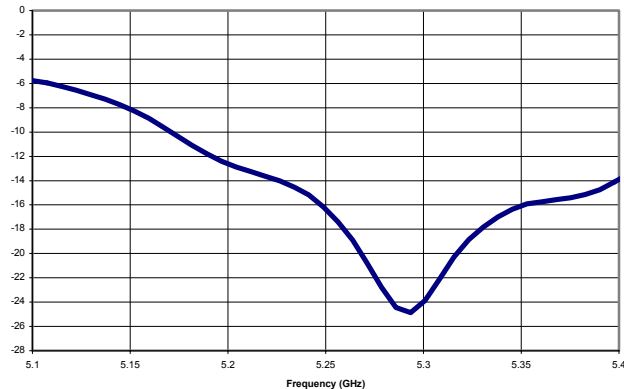
Mechanical Specifications

Size	**0.88 L x 0.52 W x 0.09 H in**
	22.5 L x 13.4 W x 2.4 H mm
Weight	**2.4 g***

*weight does not include ground plane or connector
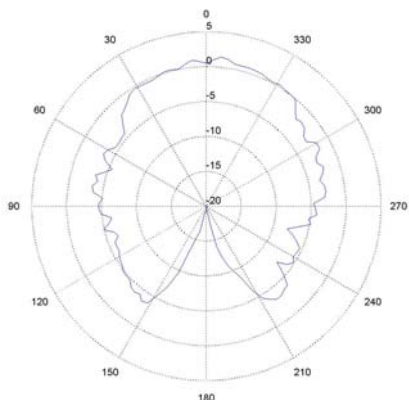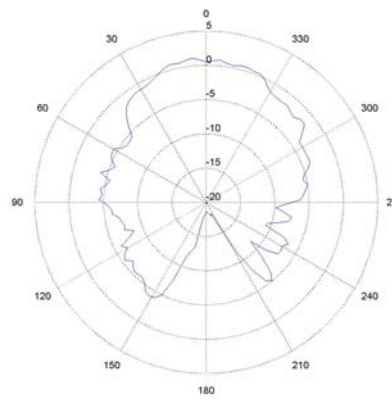
Swept Gain
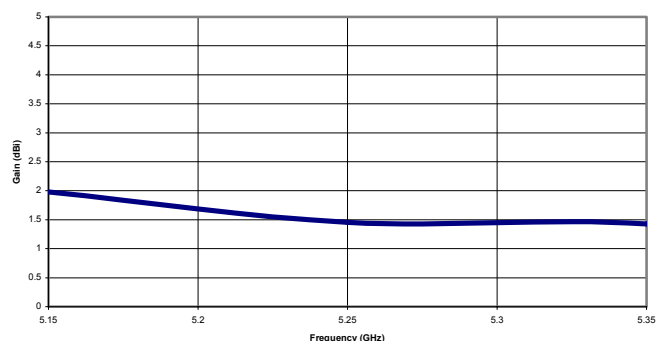
SkyCross

Spherical Gain Contour Map at 5250 MHz
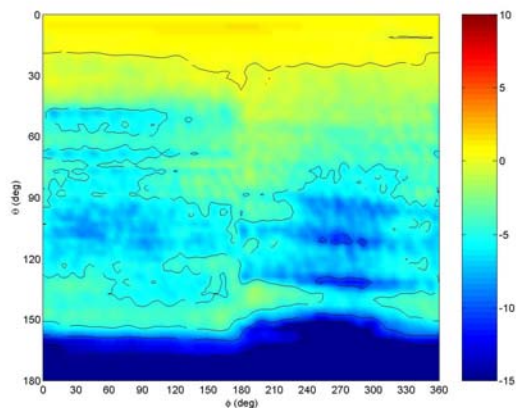
Gain Pattern at 5250 MHz

Phi = 0 degrees

Phi = 90 degrees
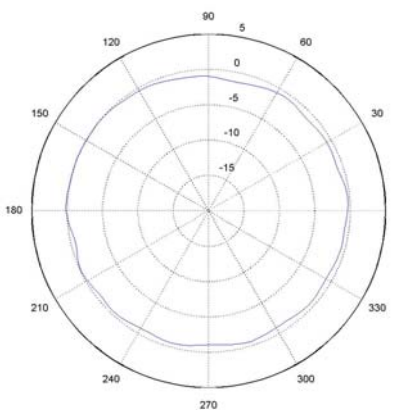
Theta = 30 degrees
(60 degrees above horizon)

For information regarding SkyCross Inc. and its products, see website at www.skycross.com, email info@skycross.com or call 321-308-6600