RF Exposure Antenna Summary

Network Systems Organization

FCC ID: **H9PLA4137P new** WLAN Flash Card, 11 Mbps

Output Power: 89 mW Original Equip.

Source Based

AP DC Factor: 0.720

Remote DC Factor: 0.710

Portable Antennas (R < 5cm)

Ant No	Model	Symbol P/N	Type	Gain (dBi)	Cable Loss (dB)	Pout (dBm)	EIRP (mW)	TR Status	Device Use
01.	Trilogy3 CF	50-21900-039	PCB	2.0	0.00	19.49	100.1	Tested + SAR	Portable Laptop

Antenna Gain listed without cable
TR Status refers to wither the antenna was tested. If not refer to the directed antenna test data

Duty Cycle Factors are applied to MPE and EIRP

802.11b Diversity Antennas

Part Numbers 100953 & 100955

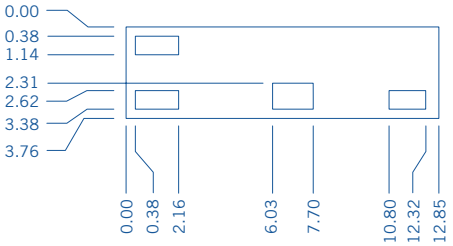
Features

- Small and lightweight
- No tuning components typically required
- Available in tape-and-reel packaging for automatic mounting

Specifications Features

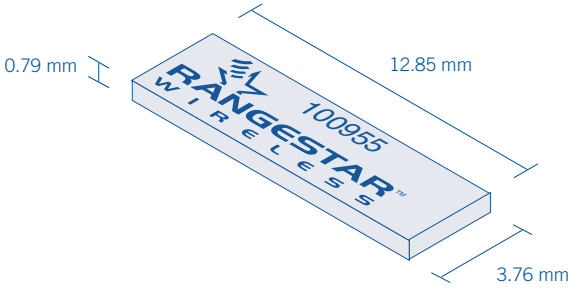
Frequency Range (MHz)	2400–2483.5
Peak Gain	+2 dBi
VSWR	< 2.5 : 1
Polarization	Linear
Powerhandling	10 Watt cw
Feedpoint Impedance	50 Ohms
Weight	1 g

Mounting



TOP VIEW (dimensions in mm)

Dimensions



Description

The 100953 and 100955 are surface-mounted antennas intended for use in 802.11b applications. These antennas provide excellent diversity performance at a low cost.

Typical Applications

- PCMCIA cards
- Flash cards

Customization and Integration

This standard antenna concept can be customized to your exact specifications and operational requirements. Because your device acts as the ground plane, you should consider the placement of the antenna early in the design process.

Using our design expertise and state-of-the-art facilities, our engineers will work with you to guide your product through our comprehensive six point integration process—from initial consultation and design to manufacturing and quality assurance.

For integration assistance, contact a Rangestar Wireless sales representative at:

Rangestar Wireless
9565 Soquel Dr.
Aptos, CA 95003-4153
USA

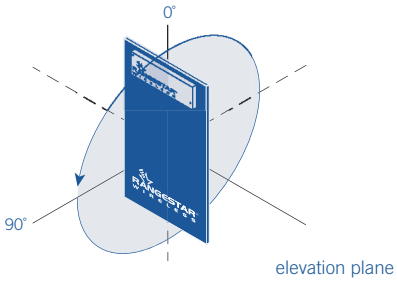
Tel: 831.661.4200
Fax: 831.661.4202

www.rangestar.com

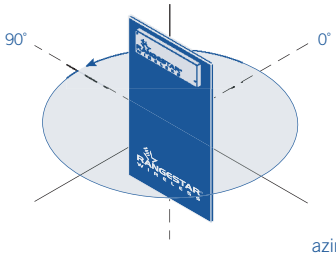
Radiation Patterns

VSWR

Legend

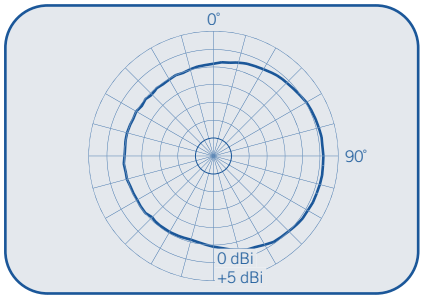


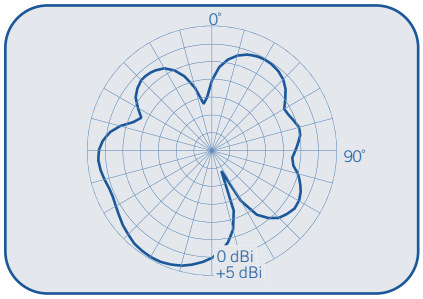
elevation plane

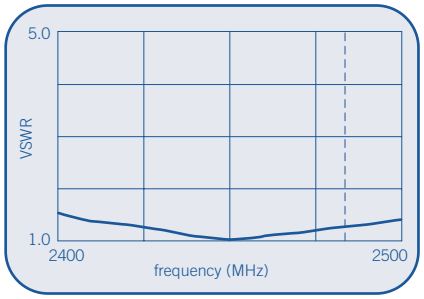


azimuth plane

100953







100955