

AN9520

Multilayer Chip Antenna for 2.4GHz Wireless Communication



AN9520 Multilayer Chip Antenna

◆ Features

- Light weight and low profile 9.5mm(L)X2.1mm(W)X1.0mm(H)
 - Omni-directional in azimuth
- Lead (Pb) Free

◆ Applications

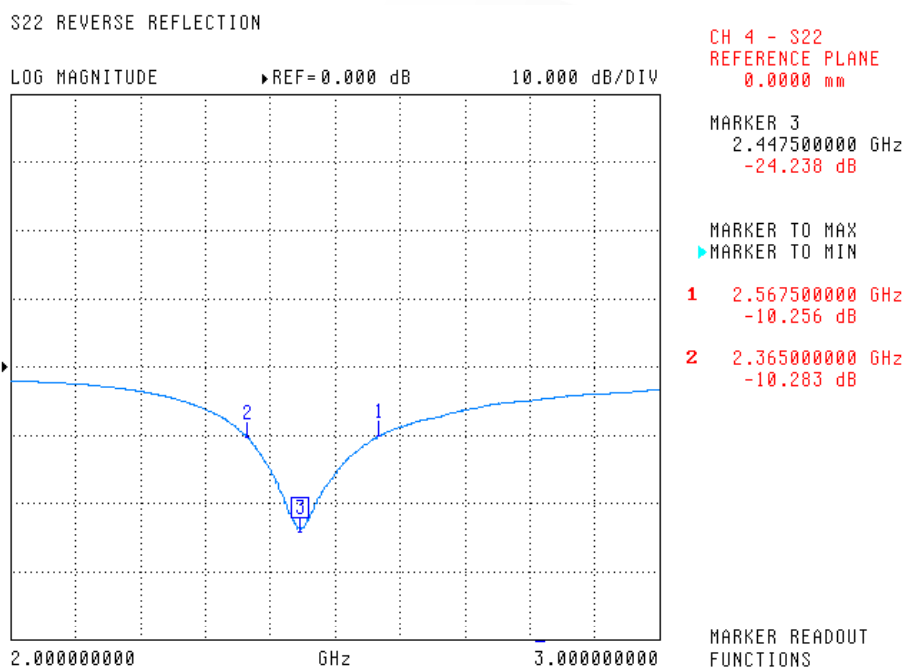
- 2.4GHz wireless communications
 - 2.4GHz Modules
 - Bluetooth System
- 802.11b/g Wireless LAN System

Specifications

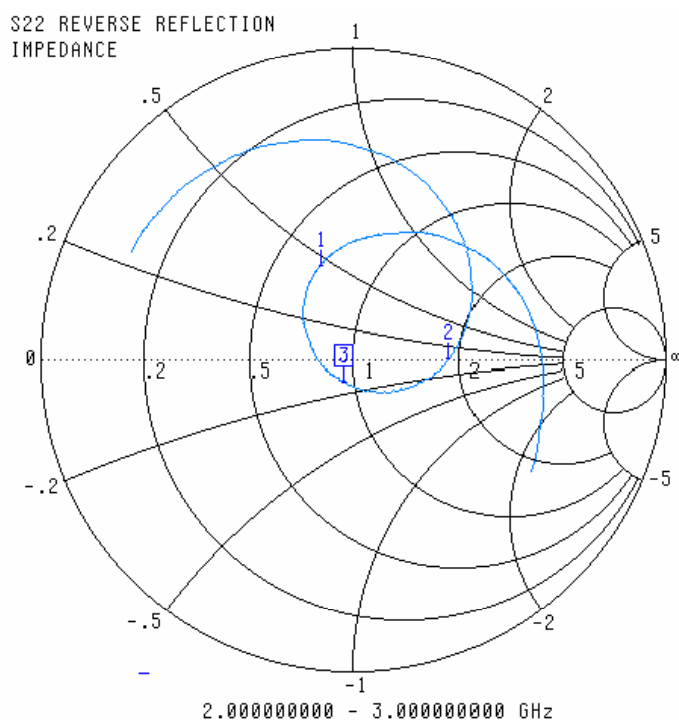
Center frequency	2.45GHz
Peak gain	1.5dBi
Operation temperature	-40 ~ +85 °C
Storage temperature	-40 ~ +85 °C
VSWR	2.0 (max)
Input Impedance	50 Ohm
Power handling	3W (max)
Bandwidth	200MHz
Azimuth beamwidth	Omni-directional
Polarization	Linear

Typical Electrical Characteristics

Return loss



Smith Chart



Marker data:

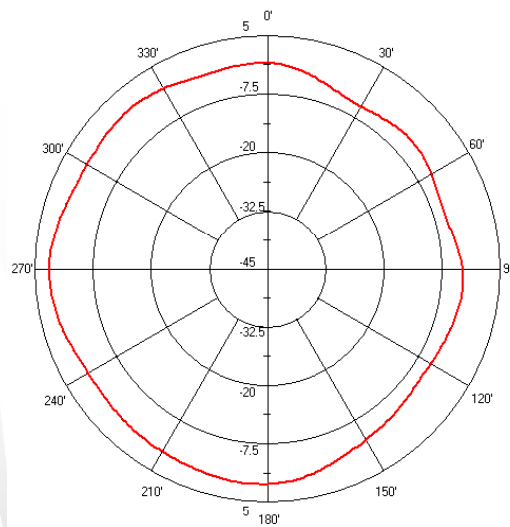
1 : f=2.567 GHz

2 : f=2.365 GHz

3 : f=2.447 GHz

Typical Radiation Patterns

2.45 GHz H-Plane



2.45 GHz E-Plane

