



Integrated Miniaturized Antenna for 2.4 GHz Wireless RF Applications

TCA10HR is an advanced, integrated antenna for use in various 2.4GHz wireless products, ideal for high-sensitivity, low profile design.

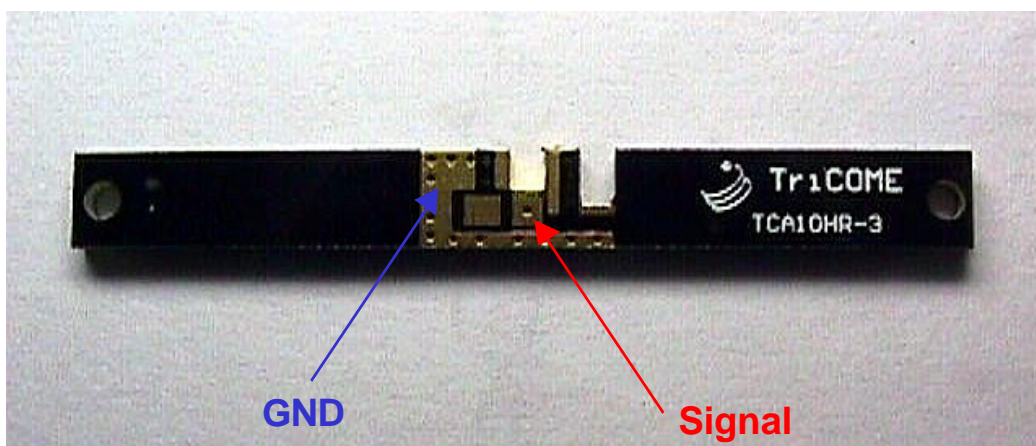
◆ Features

- Miniaturized size
- High gain
- Wide bandwidth
- Light weight
- Low cost
- Omni-directional in azimuth

◆ Applications

- 802.11b WLAN AP
- 802.11b WLAN card
- Embedded ANT for NB WLAN
- Bluetooth
- Video sender
- Other 2.4GHz devices

◆ Installation Method



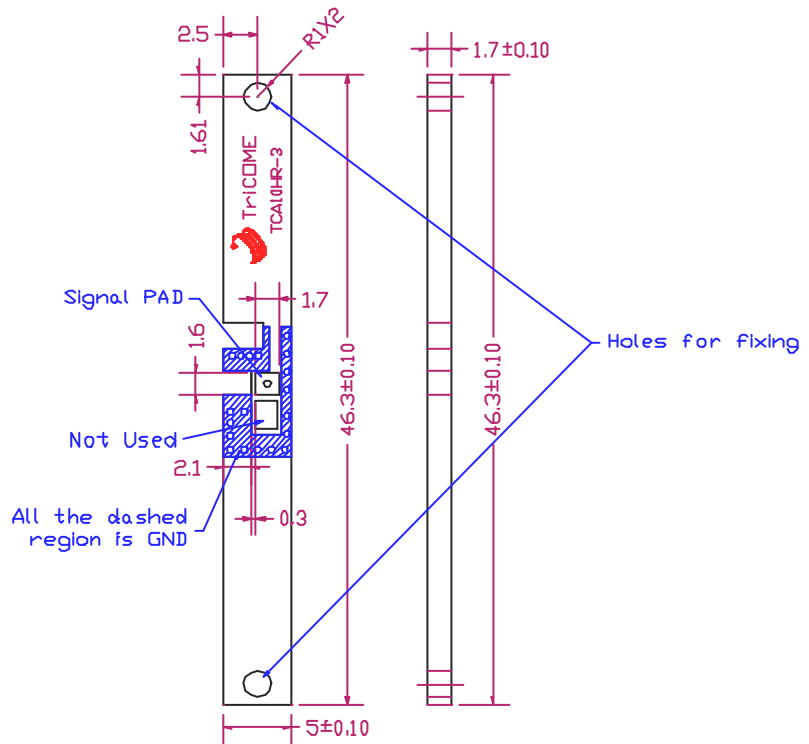


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◆ Specifications

•Frequency range	2400 ~2500 MHz
•Peak gain	3dBi
•Typical gain	2dBi
•Operating Temp.	-20°C ~ +85°C
•Storage Temp.	-40°C ~ +85°C
•Weight	1g
•VSWR	<1.5
•Impedance	50 Ohm
•Power handling	10 watt cw

◆ Dimension

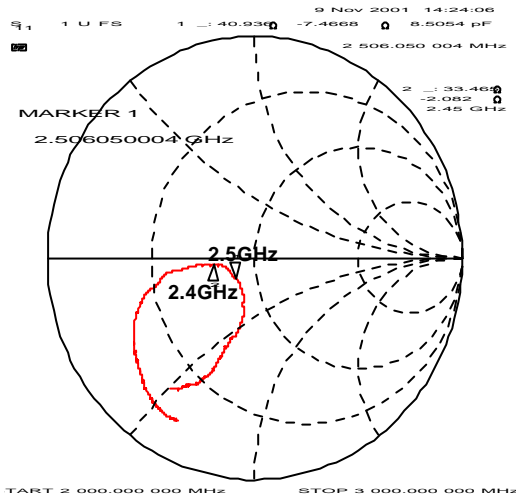


Unit : mm

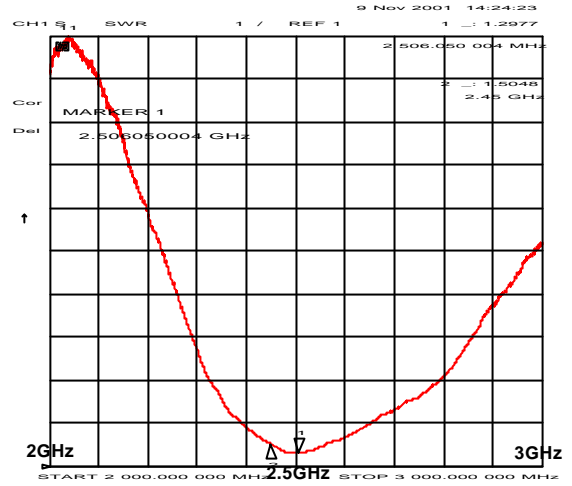


◆ Input Characteristics

Smith Chart

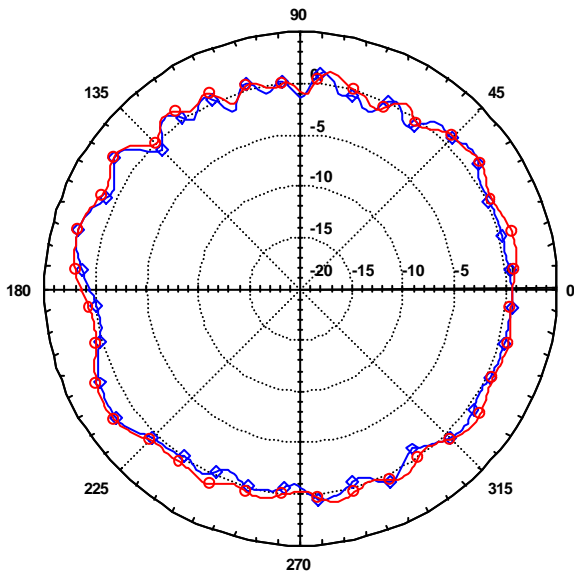


VSWR

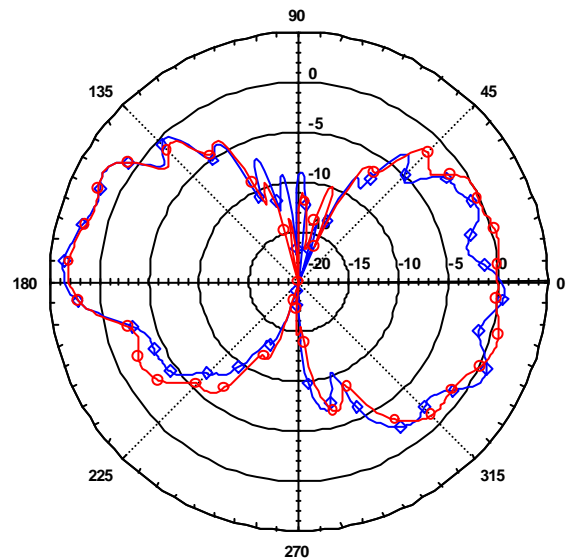


◆ Measured Antenna Patterns

H-Plane



E-Plane



*Red color:2.4GHz

* Blue color: 2.5GHz

This specification , prepared by TriCOME , is believed to be accurate and reliable . But TriCOME reserves the right to make any change or improvement without further notice.