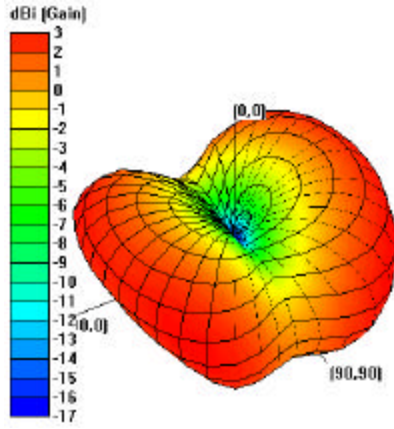


Coplanar PICA Antenna

Description

The coplanar PICA (Planar Inverted Cone Antenna) is a novel and compact ultra wideband (UWB) antenna with excellent performance characteristics in both time and frequency domains. The printed coplanar PICA antenna provides more than 4:1 bandwidth with a monopole-like omni-directional pattern. The coplanar PICA antenna also provides excellent antenna characteristics in time domain for use in UWB applications.



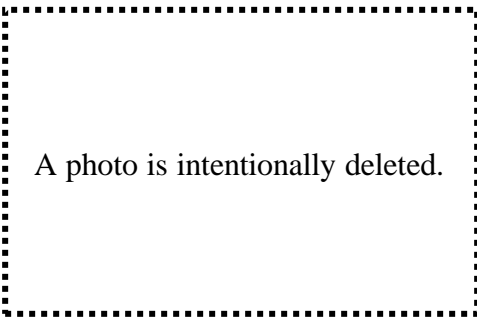
3D Radiation Pattern

Features and application

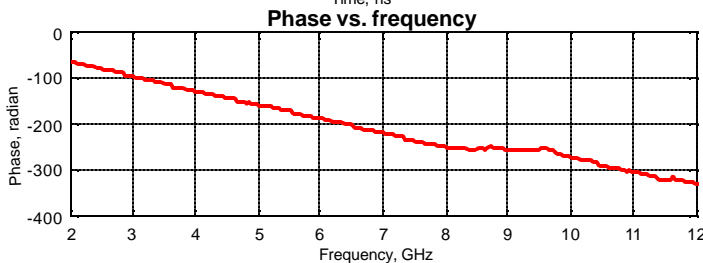
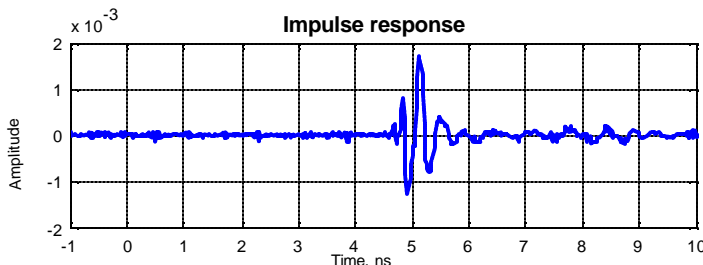
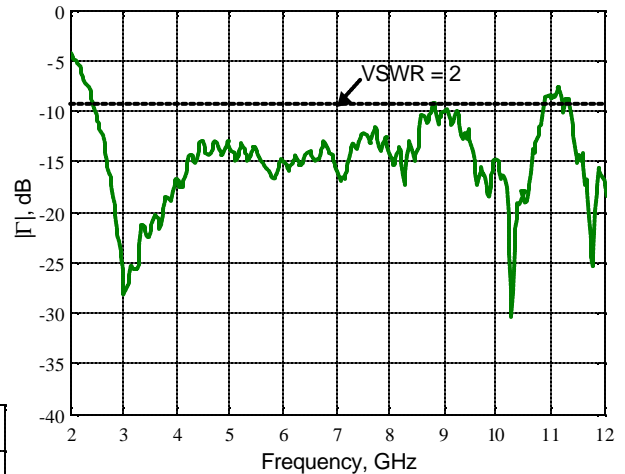
- Compact and planar geometry printed on substrate
- Wideband omni-directional pattern
- UWB applications
- Wideband wireless communications

Specifications

- Frequency 2.3 ~ 11 GHz
- VSWR 2:1
- Typical gain 3 ~ 5 dBi
- Nominal impedance 50 ohm
- Size (W x H) 3" x 1.7"



Reflection coefficient



Patent application is filed for the PICA antenna. All rights owned by Virginia Tech Intellectual Properties. <http://www.vtip.org/licensing/disclosures/00-130.htm>
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