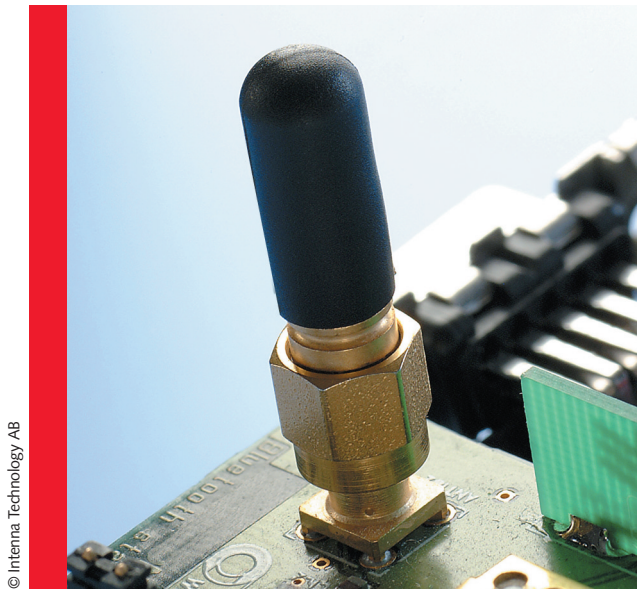




# Bluetooth Stub Antenna



- The Bluetooth antenna delivered with the Bluetooth Starter Kit from IAR Systems is provided by Intenna Technology.
- Intenna Technology is a Bluetooth Solution Provider appointed by Ericsson Microelectronics.

## Typical Design

The antenna has SMA interface (male) and is ground-plane independent. The cover dimensions are approx. diameter 7 mm, length 16.5 mm.

## Typical Mechanical Measurement

Size	Cover Ø7 x 16.5 mm
	Total height 28 mm
Weight	3.5 g
Mounting	Standard SMA female connector directly on the PCB.

## Typical Electrical Performance

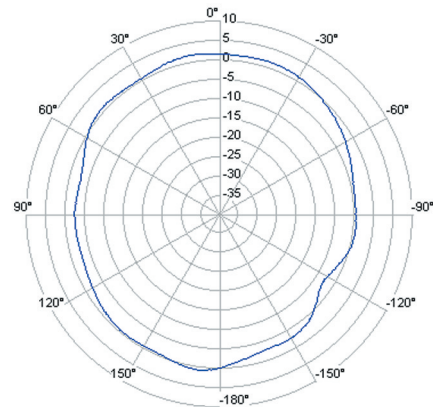
Frequency range	2400-2484 MHz
Max gain*	0 dBd (E-plane)
VSWR*	< 2.0:1
Polarization	Linear
Azimuth beamwidth	Omnidirectional
Power handling	< 5 W cw
Feeding point impedance	50 $\Omega$ unbalanced

\*Figures dependant on ground-plane size

## Typical Radiation Pattern

Antenna gain, dBi in free space.

H-plane vertical and horizontal polarisation, 2400 MHz.



E-plane vertical and horizontal polarisation, 2400 MHz.

