Exhibit H: Antenna Information

FCC ID: P6I-BTTX01

Note: Although a standard SMA connector is used on the antenna, Loctite adhesive will be used by the applicant during manufacturing to permanently attach the antenna; and thus satisfy the requirements of 47 CFR 15.203.

Art No: 6076019
Art No: 6069019

Bluetooth™ Swivel Antenna PCB
Bluetooth™ Swivel Antenna SMA

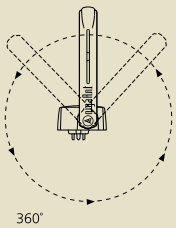
Omnidirectional for optimal radiation performance


PCB


SMA

Length: 50 mm

Data sheet



This is our standard Swivel Antenna intended for use with all 2.4 GHz applications where very high performance is of utmost importance and a small footprint is of lesser consideration. Since this is a half-wave antenna, it is independent of ground plane and the design minimizes special considerations for its placement.

Typical application areas are:
- Desktop PCs
- Printers
- Instruments
- Network access points
- Development prototypes

Description

The Bluetooth Swivel Antenna is a half-wave ($\frac{\lambda}{2}$) antenna for external or internal mounting.

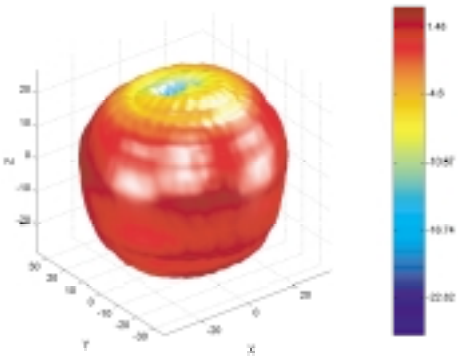
Two designs are available:
- provided with a standard SMA connector.
- soldered directly on the PCB allowing the radiator to be placed outside the casing.

No external matching network is required.
The adjustable radiator is made of a flexible material and can be rotated 360 degrees in order to optimize radiation performance.

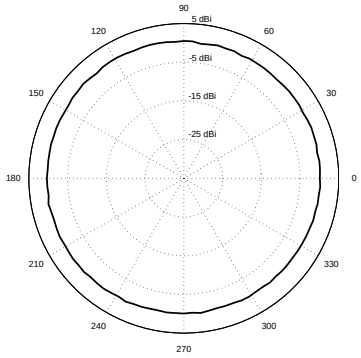
Antenna specification

Frequency:	2.4-2.5 GHz
Efficiency:	75%
Gain:	1.6 dBi
Nominal impedance:	50Ω
VSWR:	<1.5:1
Connector:	SMA Male/Soldered directly on PCB
Mounting:	Case or PCB
Operating temperature:	-25 °C – +70 °C
Relative humidity:	95% at 30 °C
Weight:	SMA 7.4 g, PCB 5.0 g

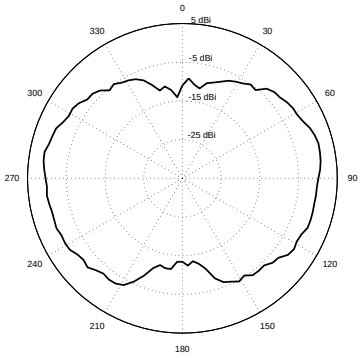
3D Radiation pattern



Horizontal cut, xy-plane

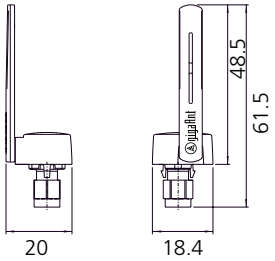


Vertical cut, xz-plane



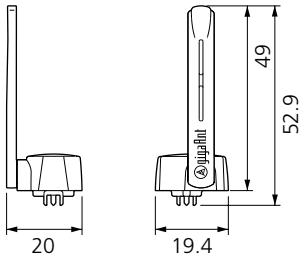
Dimensions SMA version

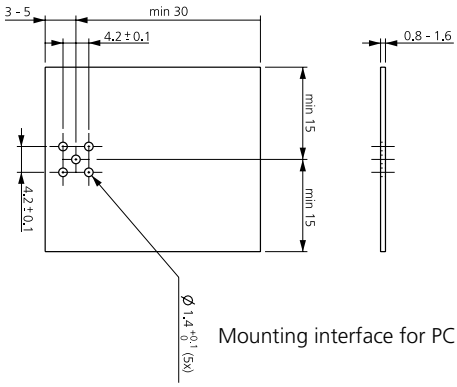
(mm)



Dimensions PCB version

(mm)





Mounting interface for PCB version

Article No.

SMA Swivel 6069019, PCB Swivel 6076019

Your strategic partner for antenna technology in the 2.4 GHz frequency band.