

Body iO BLE Antenna Specification Antenna

Type: PCB Antenna

Manufacturer: NSE Products, Inc.

Address: 75 West Center Street, Provo Utah 84601, United States

Antenna Overview

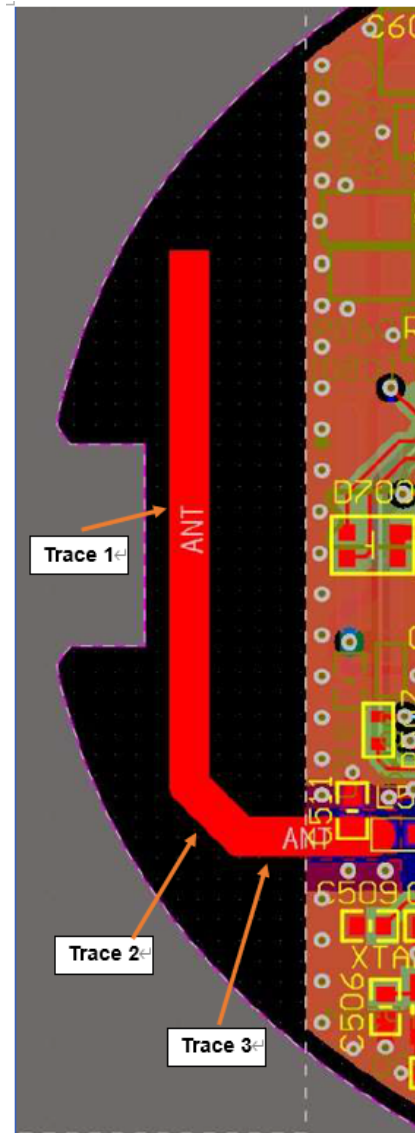
1. Surface mounted with device PCBA
2. High stability in Temperature / Humidity Change

Applications

1. 2.4GHz ISM band RF applications
2. Only for use within Body iO device

Construction

Antenna is within PCB design



No.	Length	Width	Thickness	Dielectric constant
Antenna trace 1	15.841mm	1.27mm	41.55um	4.4
Antenna trace 2	2.205mm	1.27mm	41.55um	4.4
Antenna trace 3	4.13mm	1.27mm	41.55um	4.4

Design Information

Working Frequency Range

Rated RF Output Power

Gain (dBi)

Operating voltage

Operation Temperature

Specification

2402 to 2480MHz

less than 10 dBm EIRP

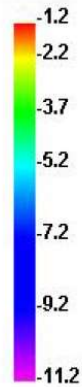
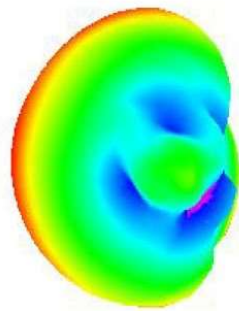
-1.86 +0.86 dBi

Nominal Voltage is 3.8 VDC

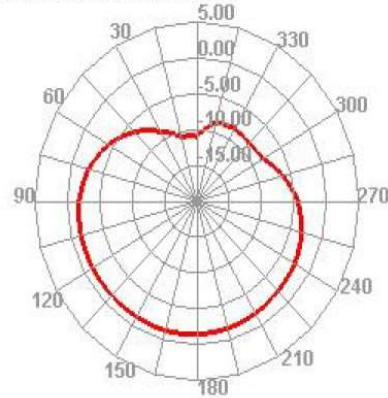
+10°C to +50°C

Radiation Pattern

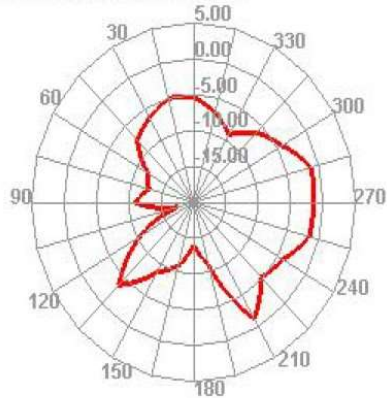
2400.000MHz



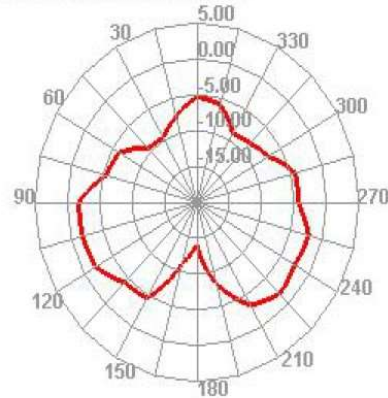
2400.000MHz H



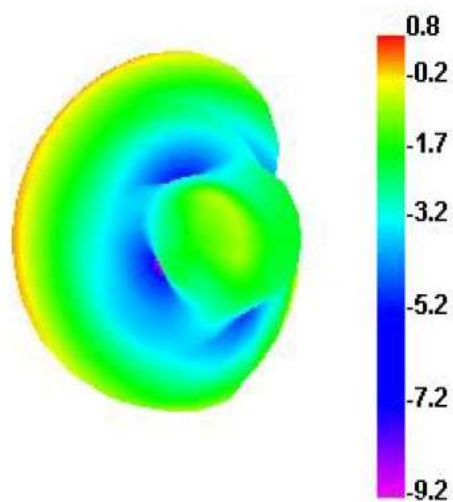
2400.000MHz E1



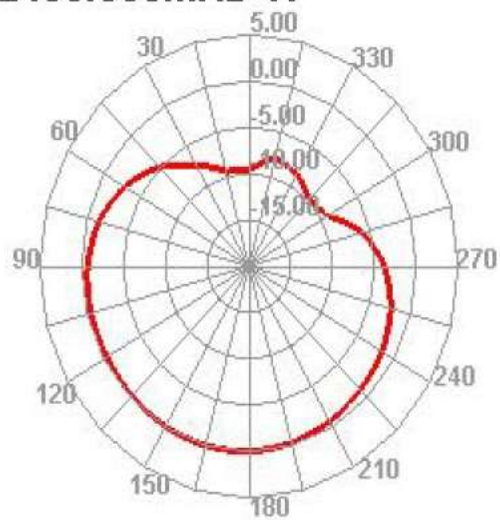
2400.000MHz E2



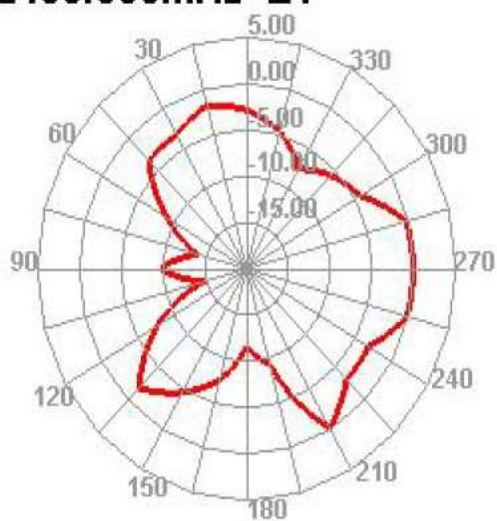
2450.000MHz



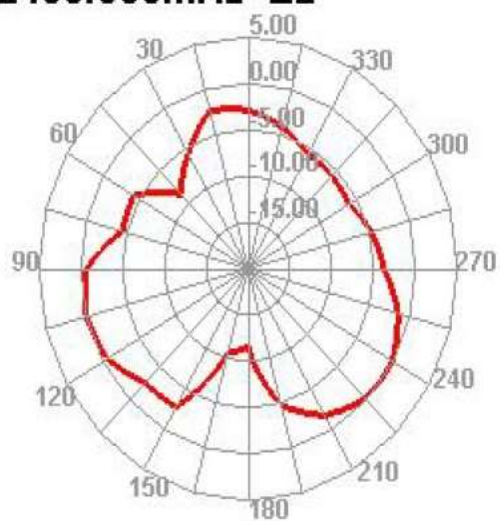
2450.000MHz H



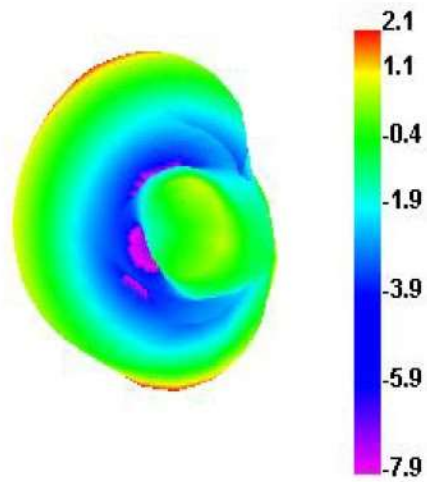
2450.000MHz E1



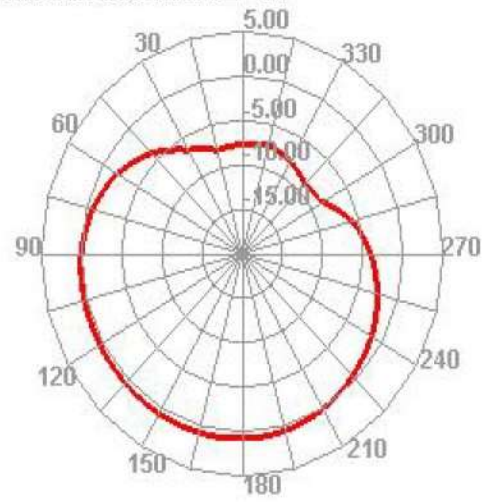
2450.000MHz E2



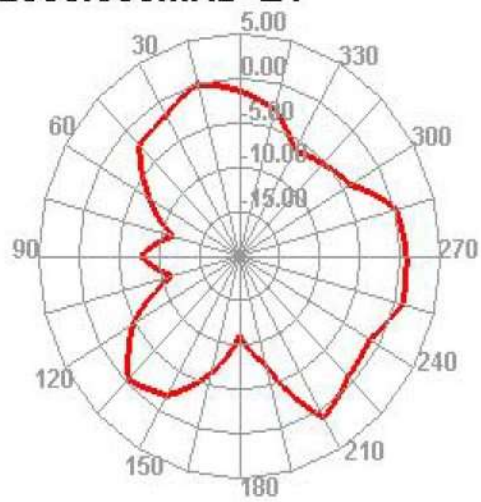
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

