

## 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

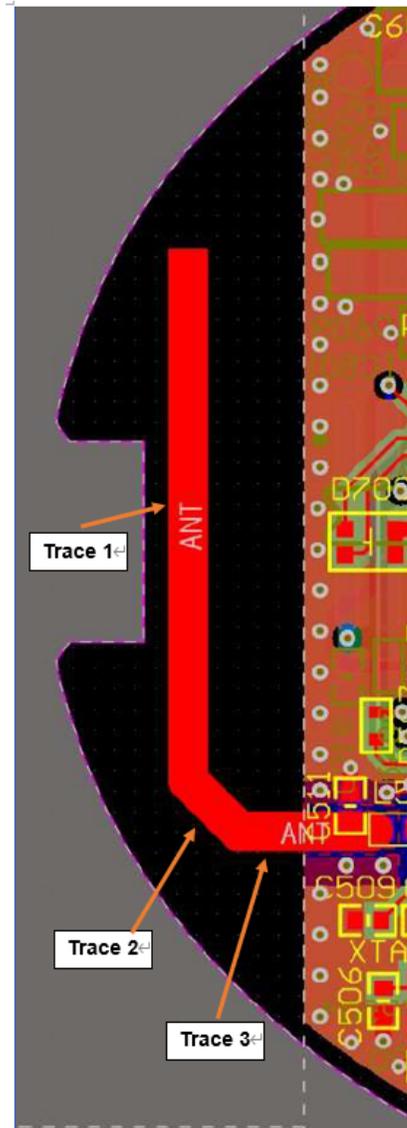
1. Surface mounted with device PCBA
2. High stability in Temperature / Humidity Change

### 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

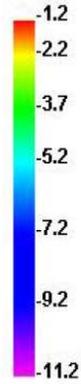
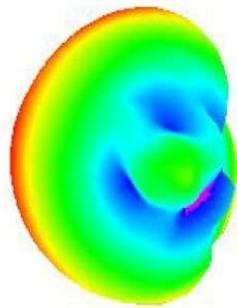
-1.86 +0.86 dBi

Nominal Voltage is 3.8 VDC

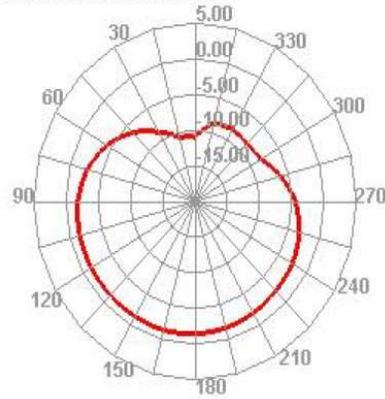
+10°C to +50°C

### Radiation Pattern

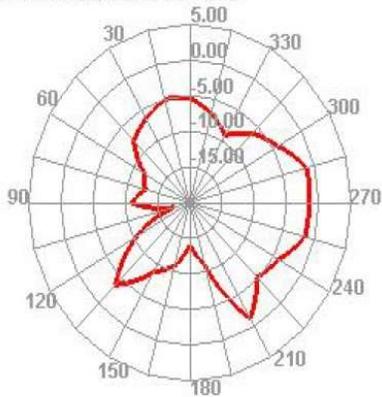
2400.000MHz



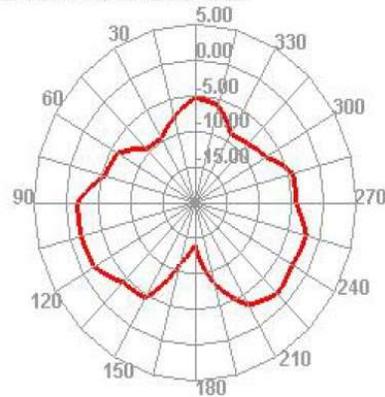
2400.000MHz H



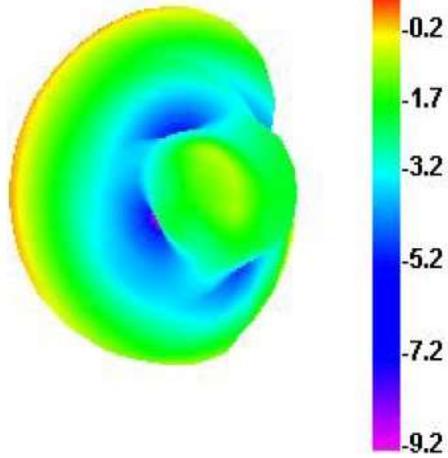
2400.000MHz E1



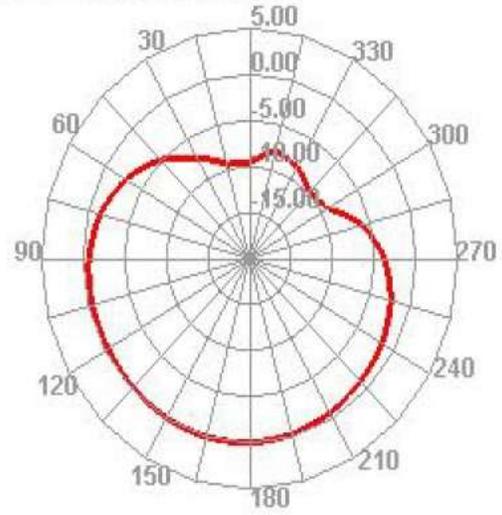
2400.000MHz E2



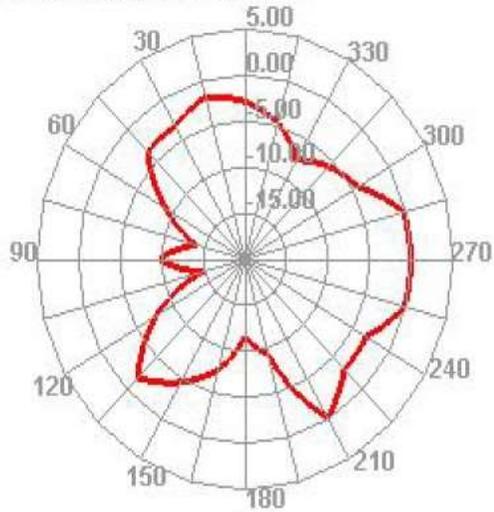
2450.000MHz



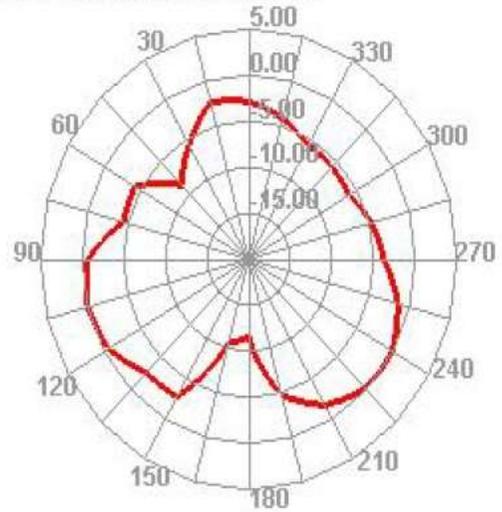
2450.000MHz H



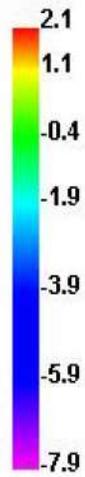
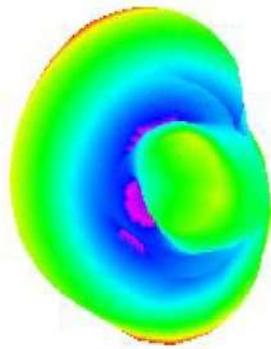
2450.000MHz E1



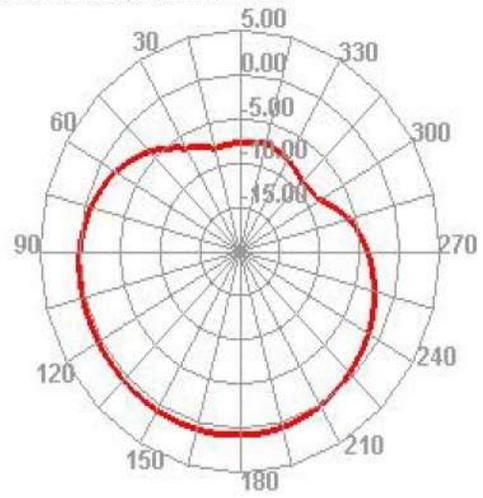
2450.000MHz E2



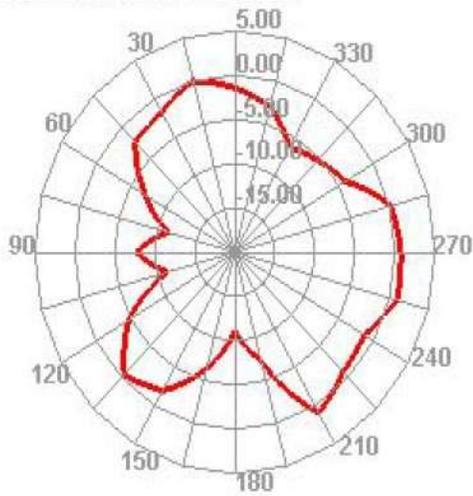
**2500.000MHz**



**2500.000MHz H**



**2500.000MHz E1**



**2500.000MHz E2**

