

TRJC-2H08

O'Neill

August 30, 2002

## Technical Report

Part No: AHD1403-244ST61

Subject: Radiation properties on your application

Approval	<i>E. Hirose</i>
Drawn	<i>M. Nomoto</i>

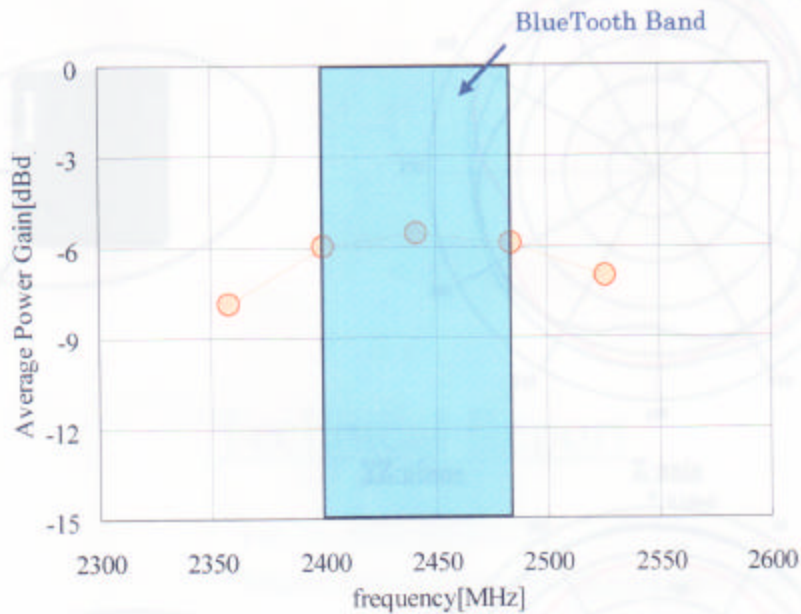
Mitsubishi Materials Corporation  
Advanced products Company

This report shows tuning result and radiation properties of our chip antenna on your application.

## 1. Tuning result

From the result of tuning, the most suitable antenna for your application is "AHD1403-244ST61"

## 2. Properties



Unit:[dBd] Measured at 2442MHz

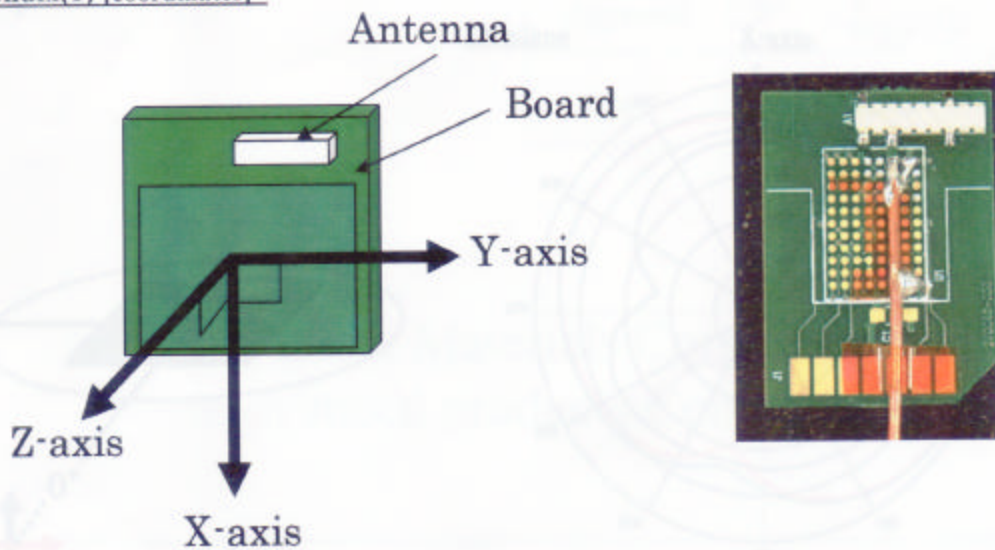
Plane	ZX-plane	YZ-plane	XY-plane	Total
Average Power Gain	-6.1	-4.7	-6.1	-5.6

## 3. Conclusion

Most suitable antenna for your application is AHD1403-244ST61.

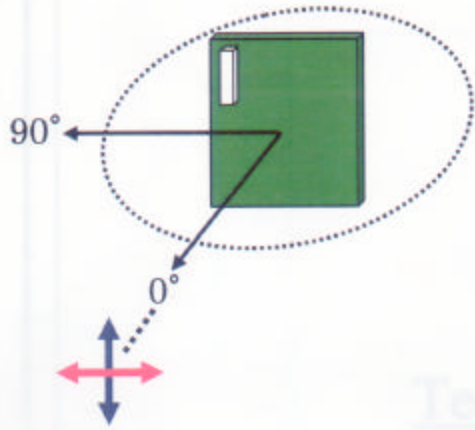
Radiation gain shows enough properties for Bluetooth application.

## Appendix(1) [coordinates]

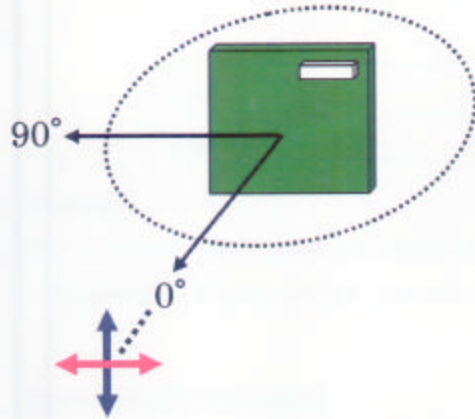
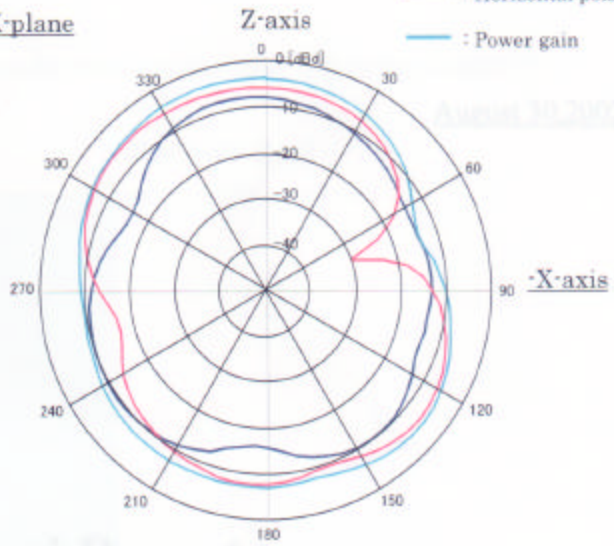


Appendix(2) [radiation pattern (Measured at 2442MHz)]

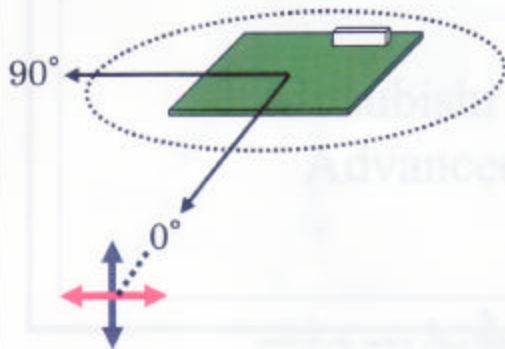
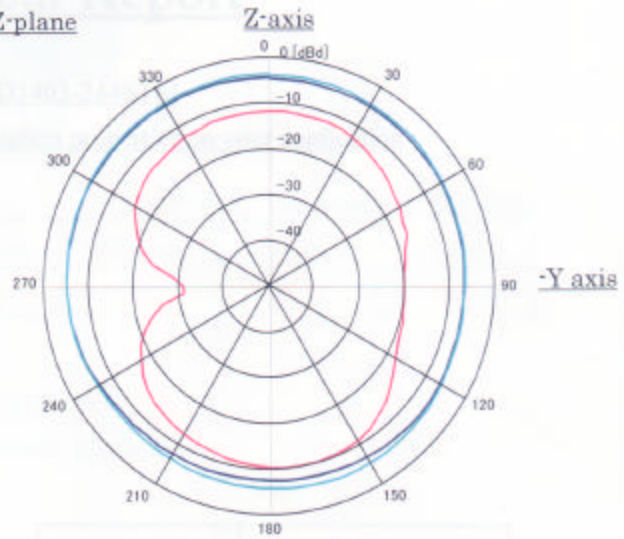
- : Vertical polarization
- : Horizontal polarization
- : Power gain



ZX-plane



YZ-plane



XY-plane

