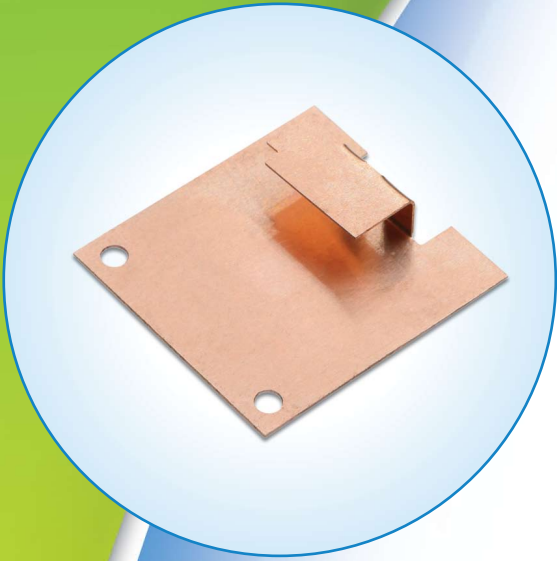


Airgain)))



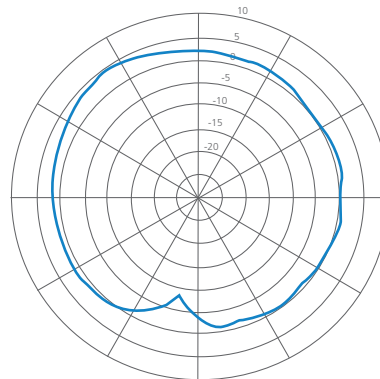
## Ultra 545 Antenna

High gain, stamped metal embedded antenna for easy integration

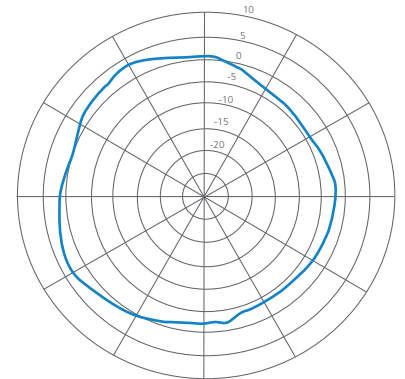
Based on Airgain's patented technology, the Ultra 545 embedded antenna provides a high gain, embedded antenna solution for Wi-Fi and ISM applications in the 5GHz band. As embedded antenna solutions become the focus of next generation wireless product design, the Ultra 545 provides the flexibility of an embedded antenna with top performance. This antenna was designed to accommodate most WLAN access point applications, such as routers and gateways. The Ultra 545 is tuned for mounting near the plastic case. It can be easily integrated into an ID design.

### ANTENNA RADIATION PATTERNS

AZIMUTH



ELEVATION



### FEATURES

- › IEEE 802.11 a/n standard
- › Simple Case Mounting
- › 4 dBi peak gain
- › High efficiency
- › Quick integration

### BENEFITS

- › Eliminates external dipole
- › Enables quick integration
- › Achieves high performance

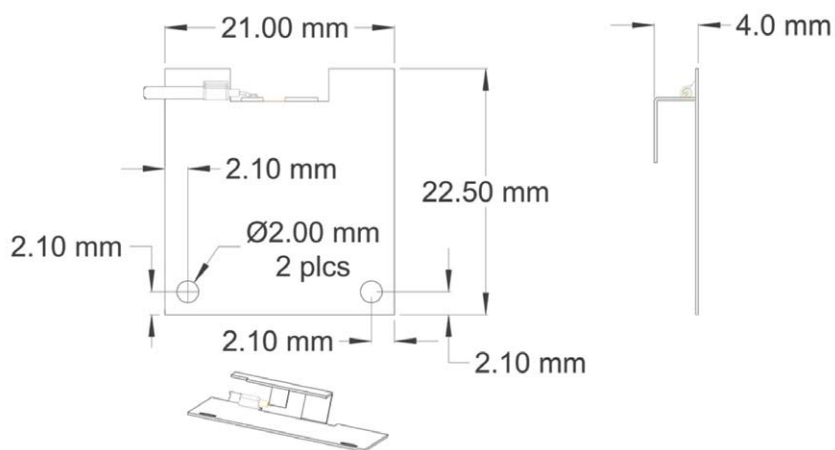
**Airgain USA**  
 sales@airgain.com  
 1930 Palomar Point Way, Suite 107  
 Carlsbad, CA 92008  
 +1 760 579 0200

**Airgain Taiwan**  
 asiasales@airgain.com  
 7F, No. 506, Syecian Road  
 Shulin City, Taipei County 23853  
 Taiwan, R.O.C.  
 +2 2929 4460

Expanding the Range of Wireless Possibilities

PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11n and 802.11a
Frequency Band	4.9 to 5.9 GHz
Peak Gain	4.0 dBi
VSWR	2:1 Max
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	50 ohm, 1.13mm diameter, micro coax cable, U.FL compatible Plug termination (optional) Cable mounted EMI ferrites (optional)
Dimensions	21 x 22.5 x 4 (mm)
Weight	1.2 g (0.048 oz)

## MECHANICAL DIMENSIONS



Information in this document is provided in connection with Airgain™ products. No license, express or implied, to any intellectual property rights is granted by this document. Except as provided in Airgain's Terms and Conditions of Sale for such products, Airgain assumes no liability whatsoever, and Airgain disclaims any express or implied warranty, relating to sale and/or use of Airgain products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Airgain may make changes to specifications and product descriptions at any time, without notice. for the most current product information, please visit: [www.airgain.com](http://www.airgain.com)

Copyright ©2009. Airgain, Inc. All rights reserved. Airgain and the Airgain logo are trademarks of Airgain, Inc. DS/Ult545/0709