



ANTENNA DESIGN

Maximize your product's wireless performance with custom antenna design solutions

The antenna is the most common point of failure in a wireless design. When designed correctly, the antenna creates a high performance wireless product that is certification ready. Antenna design is a very complex process that requires simulation tools and experienced RF antenna designers. Digi's Wireless Design Services has a state of the art RF testing lab along with experienced engineers that design hundreds of certification ready products each year.

Digi specializes in building internal antenna designs (such as PCB trace and stamped metal), while helping customers calculate the associated return on investment. Many of our customers are simply looking to optimize an off the shelf antenna for the best possible performance given a customer's board and enclosure constraints. Whether it is a custom or off the shelf design, our teams of experts can help.

BENEFITS OF CUSTOM ANTENNA DESIGN:

- Best possible performance guaranteed
- Lowest possible BOM cost (pennies vs. dollars)
- One non-recurring engineering cost
- Designed and tuned specifically for your product and use case
- Printed right onto your PCB
- You own your design which can be repeated and tuned on later revisions
- Smallest space and esthetic footprint

OFF-THE-SHELF ANTENNA INTEGRATION SERVICES:

- Antenna comparison and selection
- Antenna placement within your product
- Antenna tuning to your product and use case
- Efficiency and radiation pattern measurements
- Certification pre-qualification to carrier requirements
- Pre-qualification to ensure real-world performance
- Pre-qualification to ensure compliance to government and test agency requirements

Digi is the leading expert in Wireless Design Services for complete product development from concept to manufacturing.

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