

you are only as good as your
ANTENNA



Off-the-Shelf Wireless Antenna Integration

The antenna is the most commonly misunderstood part of a wireless design. It is also the most common point of failure. Selecting and integrating the correct antenna to meet the needs of your design is critical to creating a high performance wireless product that is certification ready.

Spectrum's Off-the-Shelf Antenna Integration

- 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

When integrating an off-the-shelf antenna, Spectrum works with you to identify which antenna best suits your requirements based on performance, mechanicals, cost and the aesthetic needs of the product.

Call 612-435-0789 for more information

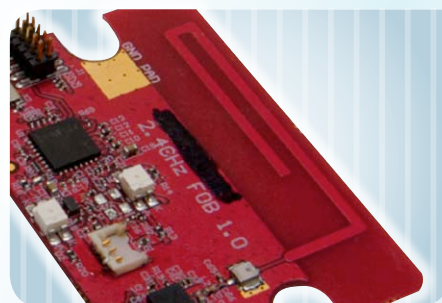
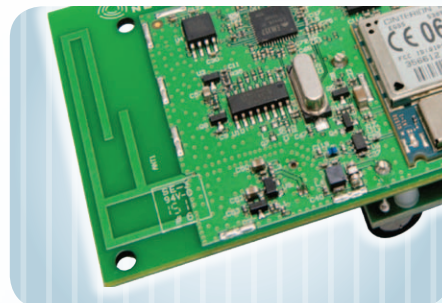


www.spectrumdsi.com

Custom Antenna Design

Spectrum's Custom Antenna Design

- Best possible performance
- Lowest possible BOM cost (pennies vs. dollars)
- Meets size and esthetic constraints
- Designed and tuned specifically for your product and use case
- Printed right onto your PCB
- Can be used on multiple products - you own the design



Working with Spectrum to design a custom antenna specific to your needs can significantly lower your BOM costs when looking at larger volumes and can be integrated directly into the board design.

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SPECTRUM DESIGN SOLUTIONS

WHERE WIRELESS HAPPENS

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