

ANTENNA CONSULTATION

Maximise 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 this 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.

Antenna design review/consultation involves analyzing the product and making recommendations for the antenna solution(s). The antenna must be considered at the beginning of product development to achieve good performance. There is a direct tradeoff between the antenna performance and mechanical constraints. To this end, the antenna must be thought of at the beginning of product development to ensure good performance and certification success. This product will put the customer on the path of success so they can glide through certifications in the end game. The standard pricing includes analysis for devices with two or less radios.

Schedule time to complete is 2 weeks.

The customer should provide the following items:

1. Mechanical files and/or device prototypes
2. Schematics/PCB files
3. Bill of Materials
4. Device use cases
5. Expected annual usage
6. Cellular carrier(s) if applicable

The deliverables are as follows:

1. Antenna recommendation (COTS or custom)
2. Antenna location
3. Design considerations (LCD, ground plane, battery, etc.)
4. Test/impedance matching considerations
5. Recommendations for next steps

For more information on how Digi WDS/Antenna Design can bring powerful, reliable connectivity to your assets, visit www.digi.com/wds.

877-912-3444 | 952-912-3444

