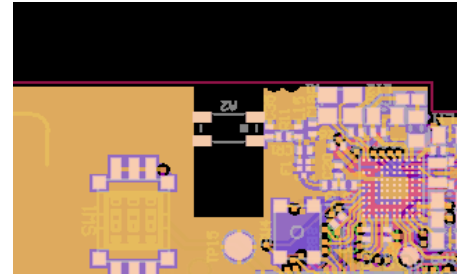


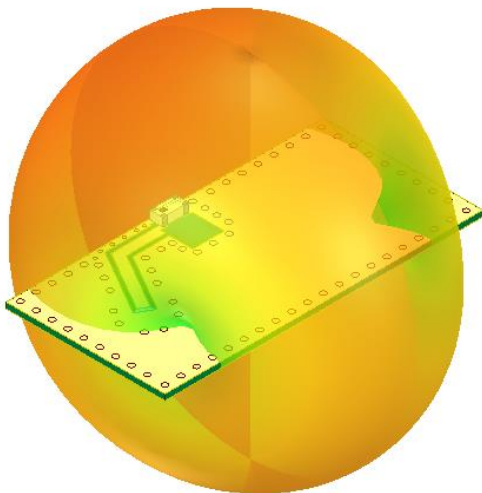
Johanson Technology, Inc. Antenna Design Services

PCB Layout Optimization

The placement and geometry around the antenna are very important factors in determining its performance. Johanson Technology, Inc. (JTI) engineers will work directly with your electrical and mechanical designers to choose the optimal location, layout, and best performing antenna part number for your wireless product. It is important to determine the antenna's location early in the design phase as antenna performance is sensitive to placement and mechanical components around it.

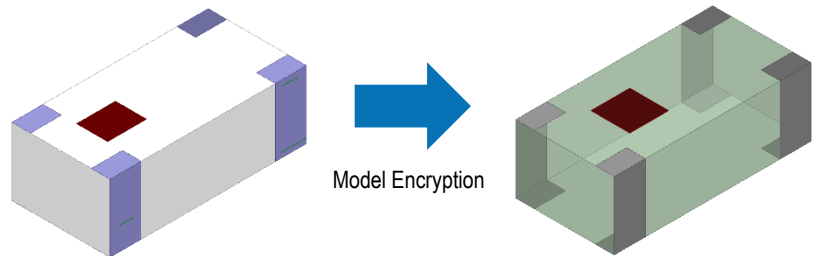


Antenna Simulation



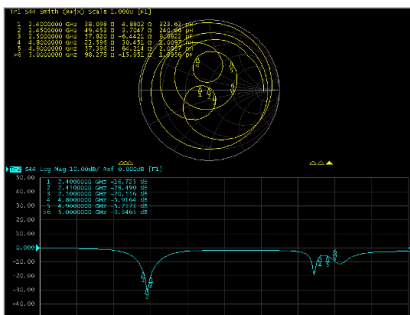
JTI provides full 3D electromagnetic simulations to deliver accurate antenna performance expectations that can be predicted prior to developing prototypes. We can import your device as a whole and add our antenna's model to accomplish this.

Additionally, our antenna 3D models are also available in the form of encrypted models if designers wish to perform the simulation themselves.



Antenna Tuning and Testing

Once we've finalized the design and produced prototype devices, JTI provides a service to tune the antenna using cost-effective inductor and capacitors and test the radiated performance in our anechoic chambers. We will optimize the antenna matching network to ensure the antenna is operating at the correct frequency of your application. We will measure the antenna gain (measured radiation patterns) and final mass production p/ns for your BOM.



Worldwide Customer Support

Contact us at:

<https://www.johansontechnology.com/ask-a-question>, fill out your information and select “Applications Engineering”

Important Links

[All Antennas](#)

[Antenna Tuning, Optimization, and Validation Services – Further read](#)

[Embedded Antenna Selection Guide](#)

Changelog	
1.0	Initial Release