

### Are You Getting the Most Out of Your Test Instrument Investment?

In today's engineering environment, business success depends on quality, productivity, time to market and cost. But cost is not just about the price of test instrumentation – it includes engineering time.

Deploying trained engineers, using your test instrumentation effectively and minimizing rework can reduce costs dramatically. In response, Constant Wave provides a range of support and application consulting services to help:

- Get engineers up-and-running with Constant Wave's Spectro™ analysis software quickly.
- Optimize test set-up, measurement time and data analysis.
- Maintain design and test advantage through efficient use of test instrumentation.

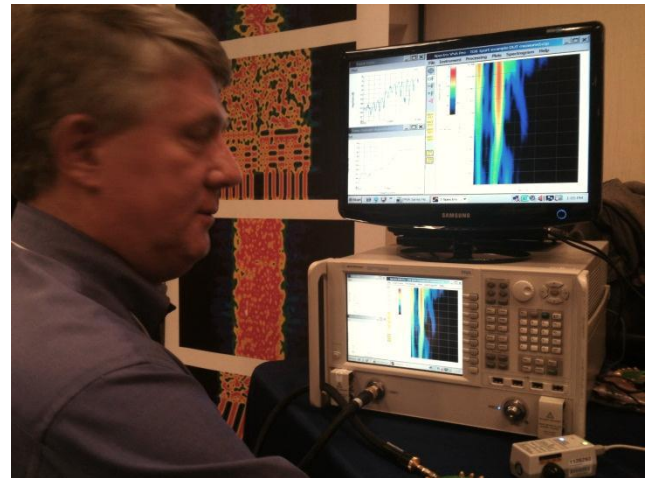
### Basic Start-up Assistance

Constant Wave's basic tech support is designed to help engineers get going as quickly as possible. Start-up assistance is included with all Spectro software, and comes in three forms:

- A handy Quick Start Guide – included with the software – to help users get accurate results from the very first time they use the product.
- A growing library of videos on our website and YouTube® channel. All are designed to aid new users in the basic use and application of Constant Wave products.
- Access to measurement experts on-line during business hours to answer questions related to operating Constant Wave software.

### Application Consulting

In addition to basic start-up assistance, Constant Wave provides a range of application support and consulting services to help its customers achieve engineering success.



*Today's cutting-edge RF, communication and high-speed electrical designs require increasingly complex measurements – placing greater demands on an engineer's knowledge and expertise.*

A small investment in consulting services can help increase engineering efficiency and productivity. A Constant Wave application expert can help engineers understand and solve measurement challenges with a design or device under test.

Constant Wave's application consulting services are customized to meet specific needs, such as:

- Developing a design or test strategy.
- Learning how to utilize test equipment and Spectro analysis software effectively.
- Gaining knowledge and confidence to interpret measurement results correctly.

Consulting services are agreed to and scheduled ahead of delivery. Options are available for onsite or remote help. A statement of work will be provided and agreed to prior to service delivery.

### Product Training

Constant Wave can provide a range of training classes designed to support the use of Spectro analysis software in your lab or test environment.

Through instructor-led lectures and labs, engineers learn how to operate the software and interpret measurement results. Design and test guidelines, along with analysis techniques, are shared to help ensure successful outcomes.

Prerequisites:

- Basic RF, communications and electronics measurement knowledge and practical experience is recommended.
- Basic knowledge about the operation of the test instruments to be used with Constant Wave software.

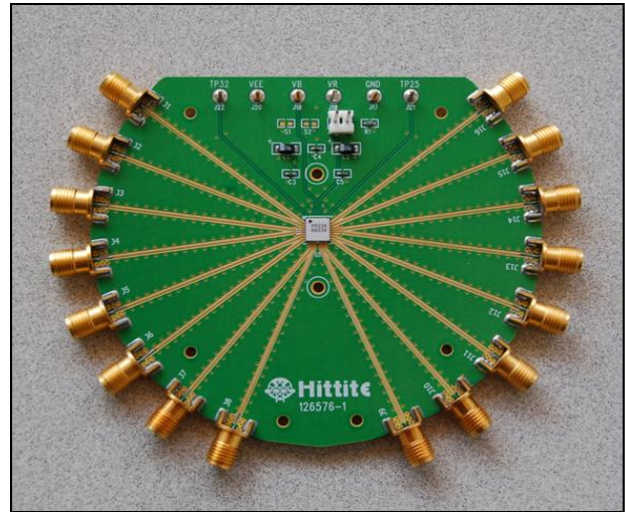
Product training services are agreed to and scheduled ahead of delivery. Training topics will be tailored to the needs of individual engineers and/or team. A statement of work will be provided and agreed to prior to the delivery of the class.

### Delivery Information

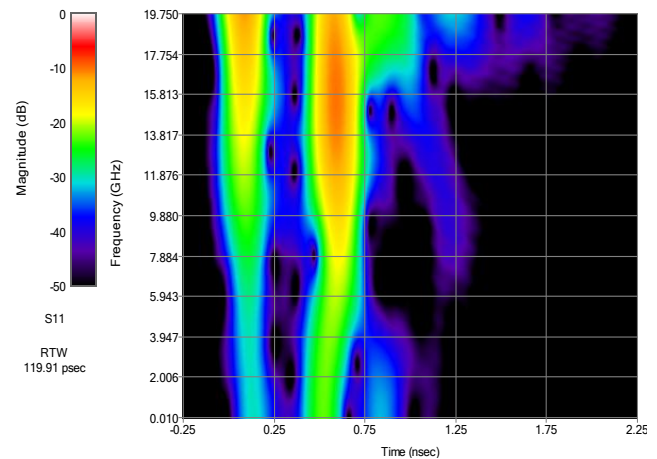
On-site consulting, or training classes and any associated hands-on labs, are conducted using customer-provided instrumentation, equipment and hardware at the customer's site

Remote support services include phone, e-mail and/or internet-based resources as required.

- C1001 – Application Consulting, On Site
- C1002 – Application Consulting, Remote
- T1001 – Product Training Class, On Site



*Characterizing the performance of embedded devices on a PC board is a common challenge for designers and test engineers.*



*The spectrogram above is a sample measured S11 response – from the end of a launch connector of the PC board above – and displayed with Spectro VNA Pro. Constant Wave provides a range of support services to help engineers use its innovative data analysis products and interpret results.*

### For More Information

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