

SIMPLIFY AND ACCELERATE EMC TESTING:

SignalVu-PC with EMCVu

50% of projects fail EMC compliance the first time*

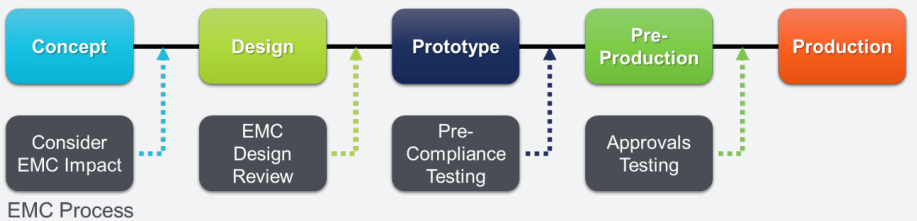
If you're developing a product, you're making financial, time, and sometimes, an emotional investment in getting the product to market. The last thing you want is to get held up by compliance testing failures.

Incorporating pre-compliance testing into your development process reduces project risks and costs, increasing the probability of successfully passing EMI compliance testing the first time. This can save time and thousands of dollars.

- Identify potential EMI/EMC issues early in development
- Get immediate feedback on the impact of design changes
- Test on your schedule
- Increase confidence in your product before you take it to the test house

Starting at \$26,000 USD for a complete solution, how can you not invest in pre-compliance testing?

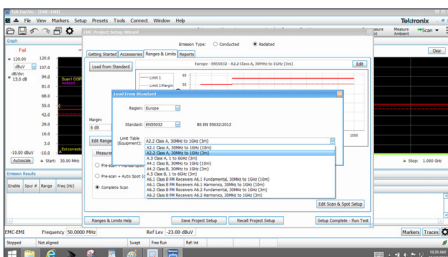
Design Process



Good EMC design techniques are not too difficult to implement if they are introduced at the earliest stages of design. If modifications need to be made later in the design to meet EMC requirements, it becomes much harder.

Compliance testing cost per submission for FCC and CE

TEST	FCC	FCC + CE
Unintentional Radiator	\$1,000 - \$2,000	\$5,000 - \$10,000
Intentional Radiator	\$7,000 - \$15,000	\$10,000 - \$20,000



Take the Mysteries out of EMI/EMC Test Setup

EMI/EMC pre-compliance testing doesn't have to be hard, excessively time consuming or expensive. Developed with customer input, EMCVu delivers:

- An easy-to-use setup wizard
- Built-in standards and accessory setup with push-button selection
- Ambient noise calibration and comparison
- Advanced debug functionality

Speed Up Troubleshooting and Debug

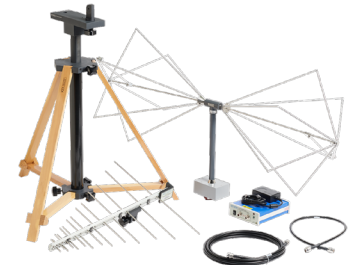
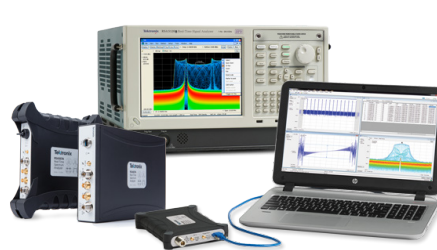
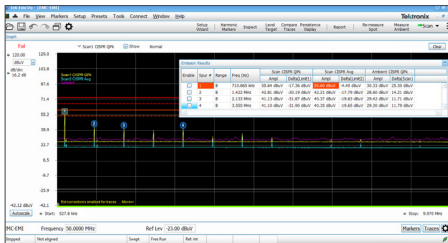
EMCVu lets you quickly identify areas of concern to streamline testing and debugging activities. Quickly analyze suspect frequencies in more detail using a near-field probe to find the source of emission. Features include:

- Harmonic Markers: Find emissions at harmonics of a known frequency.
- Multiple Traces: Overlay multiple traces to compare the Equipment Under Test (EUT) to Ambient Noise or previous iterations of a Device.
- Automated or manual multi-failure re-measurement: Quickly determine if a failure is intermittent or reoccurring.
- Automated reporting to quickly summarize EUT changes and the result.



A Complete Pre-compliance Test Solution

Starting at \$26,000 for a complete EMC pre-compliance testing solution including software, spectrum analyzers, accessories and probes, Tektronix provides market leading ease of use and performance to support your needs.



EMCVu Software

Tektronix EMI/EMC pre-compliance solution starts with SignalVu-PC with EMCVu software. As a plug-in to SignalVu-PC, EMCVu provides a single user interface for all your pre-compliance needs.

Spectrum Analyzers

Tektronix offers a full line of Real-Time Spectrum Analyzers from the affordable RSA306B to the high performance RSA5000 Series. All Tektronix spectrum analyzers include SignalVu software for comprehensive spectrum analysis. Tektronix also offers the MDO400C Oscilloscope with a built in spectrum analyzer.

Accessories

Tektronix offers a complete set of validated accessories including antennas, Line Impedance Stabilization Networks and pre-amplifiers available in bundles or separately for conducted and radiated tests.

Learn more about Tektronix EMC Pre-compliance test solution at tek.com/EMC-pre-compliance-testing

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Configuration Guide

1 – Choose a Spectrum Analyzer

	MDO4000	RSA300	RSA500/600	RSA5000
Start Freq	9 kHz	9 kHz	9 kHz	1 Hz
Max Freq	3/6GHz	6.2 GHz	7.5 GHz	26.5 GHz
Demod BW	Up To 3GHz	40 MHz	40MHz	Up to 165MHz
CISPR QP Det	N	Y	Y	Y
Real Time	N	Y	Y	Y
Tracking Gen	N	N	Y (Option 4)	N
Battery Powered	N	N	Y (RSA600A Only)	N
Audio Demod	N	Y	Y	Y
EMCVu Support	Y	Y	Y	Y

2 – Choose an Antenna and Accessories for Radiated Measurements

	EMI-BCON-ANT	EMI-CLP-ANT
Start Freq	25 MHz	300 MHz
Stop Freq	300 MHz	1GHz

ACCESSORIES DESCRIPTION	PART NUMBER
Battery Powered Pre-amp	EMI-PREAMP
Antenna Tripod	EMI-TRIPOD
Bundle (All above)	EMI-RE-HWPARTS

Note: Other accessories are available

3 – Choose a LISN for Conducted Testing

	EMI-LISN5uH	EMI-LISN50uH-xx ¹
DC	Y	N
AC	N	Y
RF Limiter	N	Y

Note¹: Order the EMI-LISN50uH-xx based on the country power plug type of the devices you intend to test: -US (NEMA 5-15), -EU (Schuko CE7/4), -GB (BS1363)

4 – Choose Near Field Probe Set

DESCRIPTION	PART NUMBER
E + H FIELD PROBES	EMI-NF-PROBE
20 dB Near Field Amplifier	EMI-NF-AMP
Bundle (Probes + Amp)	EMI-DEBUG-HWPARTS