

MIL3000

The future in CS115/CS116 testing



EMC PARTNER AG





EMC PARTNER AG

- ✓ Founded in 1994
- ✓ Swiss private company, headquarters in Laufen
- ✓ Largest choice of impulse generators
- ✓ Market leading supplier, reputed worldwide
- $\checkmark\,$ Development, production and testing in house
- ✓ Global network of representatives



EMC PARTNER provides conducted immunity test solutions for a broad range of sectors



Industry & Household



Avionics



Components



Military



Renewable energy



Telecom



- ✓ Introduction
- ✓ CS115 test
- ✓ CS116 test
- ✓ MIL3000 test system
- ✓ TEMA3000 software

Equipment categories in MIL-STD-461G







✓ EMC PARTNER provides test solutions for current and previous MIL-STD-461 versions

Test	Version F	Version G
CS 106	yes	-
CS 115	yes	yes
CS 116	yes	yes
CS 117	_	yes, new
CS 118	_	yes, new





- ✓ Overview on changes in MIL-STD-461G
- **G** CS 106: transients, power leads deleted
- ✓ CS 117: lightning induced transients new
- ✓ CS 118: personnel borne ESD new

Test	Version F	Version G
CS101	yes	yes
CS 103	yes	yes
CS104	yes	yes
CS 105	yes	yes
CS 106	yes	deleted
CS 109	yes	yes
CS 114	yes	yes
CS 115	yes	yes
CS 116	yes	yes
CS 117	not defined	yes, new
CS 118	not defined	yes, new











- 50 Ω termination is included in CN-BT6
- 2 x 20dB/50Ω, N-BNC cable and 20 dB att.
 are included in VERI-MIL3







✓ Waveform and test levels





✓ Calibration setup 10 kHz – 10 MHz









✓ Calibration setup 30 MHz – 10 MHz









- ✓ Latest generation, solid state, precise technology
- ✓ Fast and stable: no generator or coupler adjustments required before test: the system is ready for calibration or test in less than ½ minute
- Reliable: from its launch date September 17th, 2015, until February 17th, 2017: no EMC PARTNER MIL3000 test system required repair or maintenance (zero issues)





- ✓ Touch screen and proprietary operating system (lifetime free upgrade)
- $\checkmark\,$ Contextual help for all menu entries and explanatory diagrams



Unique features of MIL3000



Modular, on site upgradeable system based on plugin technology
 Outstanding performance allowing speedy setup and test execution







Unique features of MIL3000



- ✓ Only one coupler for CS115 and CS116 (all frequencies)
- ✓ No change of EUT cables' position
- ✓ Electronic polarity change
- ✓ Change of parameters during the test



50 mm



Besides CS115 and CS116, following modules are available now:

- ✓ MIL-STD-461F CS106 (synchr. up to 800 Hz)
- ✓ MIL-STD-1275B Spikes
- ✓ DO-160G Section 17 Spikes (synchr. up to 800 Hz)
- ✓ DO-160G Section 19 Induced Signals
- ✓ Custom modules possible

New plug-ins can be ordered anytime





Unique software: TEMA3000

- ✓ Lifetime upgrade
- ✓ Remote control of generator
- ✓ Test sequence function
- ✓ Configurable test reports
- Collection of standard requirements preprogrammed
- ✓ Modular





Unique software: TEMA3000

- ✓ Automatic DSO control
- Automatic inclusion of DSO screenshots in test report
- ✓ Programmable report templates
- Advanced functions like Q factor automatic computation and inclusion in test report
- Download and try TEMA3000: www.emc-partner.com





Save time and costs with an automated solution: MIL3000!







Contact us worldwide: www.emc-partner.com