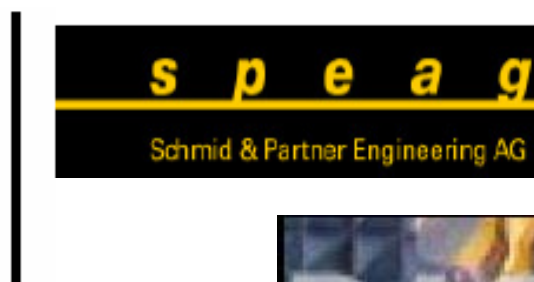




中仪集团



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DASY5 SYSTEMS Overview

- DASY5 SAR
 - main features: low-cost version for SAR evaluations; compatible to all standards
 - applications: SAR evaluations of handheld or body mounted transmitters
- DASY5 PRO
 - main features: SAR, HAC, general free-space scans (more flexibility/features than DASY4 professional) applications: meets all requirements for certifications of handheld or body mounted transmitters
- DASY5 NEO
 - main features: same as DASY5 PRO plus universal 3rd-party probe interface (DC to TeraHertz); script commands, imports any phantom, large scanning volumes, etc. applications: very flexible, supports all standards from ELF (e.g., induction heater, etc.), intermediate frequencies (anti-theft devices, etc.) to wireless devices and TeraHertz applications



DASY5 SAR SYSTEM

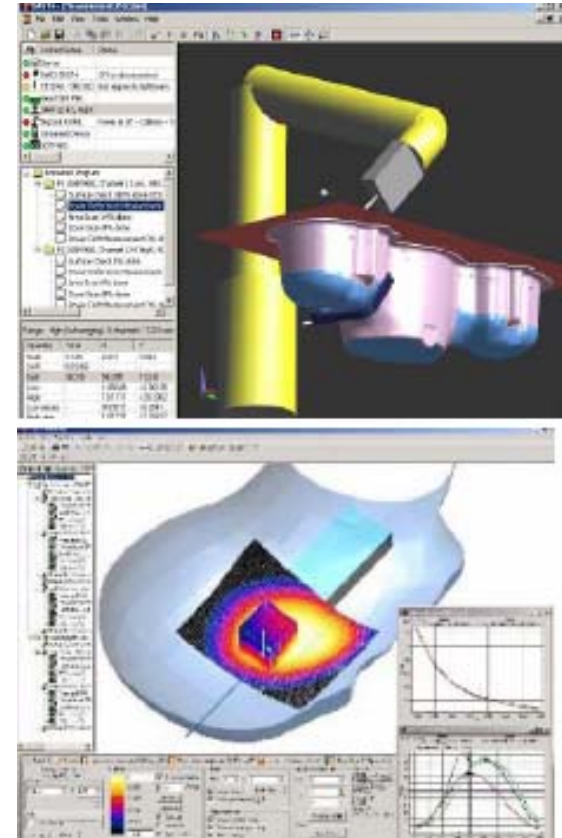
- Probes (10MHz-10GHz): sensitivity: $<1\text{mW/kg}$; axial isotropy (typ: $<\pm 0.1\text{dB}$); spherical isotropy (typ: $<\pm 0.3\text{dB}$); immunity against secondary modes of reception: $<\pm 0.1\text{dB}$
- Data Acquisition: amplification & filtering: $<0.1\text{dB}$
- Positioner: normal to the surface ($<\pm 5^\circ$); absolute distance from surface ($<\pm 0.2\text{mm}$); probe alignment ($<\pm 0.1\text{mm}$);
- Phantoms: SAM (shape & thickness: $<\pm 0.2\text{mm}$); Elliptical Phantom (thickness: $<\pm 0.2\text{mm}$)
- Validation Kits (0.3-5.8GHz): return loss: $>20\text{dB}$
- Calibrations: Probes (ISO17025: 300-5800MHz; numerical: 10-300MHz; spherical isotropy, boundary effect); Validation Kits; DAE
- Software: meets all requirements; maximum flexibility, interface SEMCAD, fast SAR





Unique Features of DASY5 SAR

- Accuracy: excellent spherical isotropy assessed foreach probe; angle to normal of surface $< \pm 5^\circ$;accuratepositioning $< 0.2\text{mm}$; advanced boundary errorcompensation, frequency linearization, most advancedextrapolation and integration algorithm, etc.
- Calibration: ISO17025 certified; rigorous 2-stepprocedure; all frequencies, short return time
- Speed: 5 to 20" depending on grid
- Easy-to-Use: fully automated; predefined proceduresand reporting for all international or regional standardsUsage: >200 systems worldwide includinggovernments: FCC (USA), NICT (J), TELEC (J),SRMC(China), TMC (China), RRL (Korea), BSMI (Taiwan),STUK (FI), DG TTI (ES),etc.
- Compatibility: all SAR standards worldwide





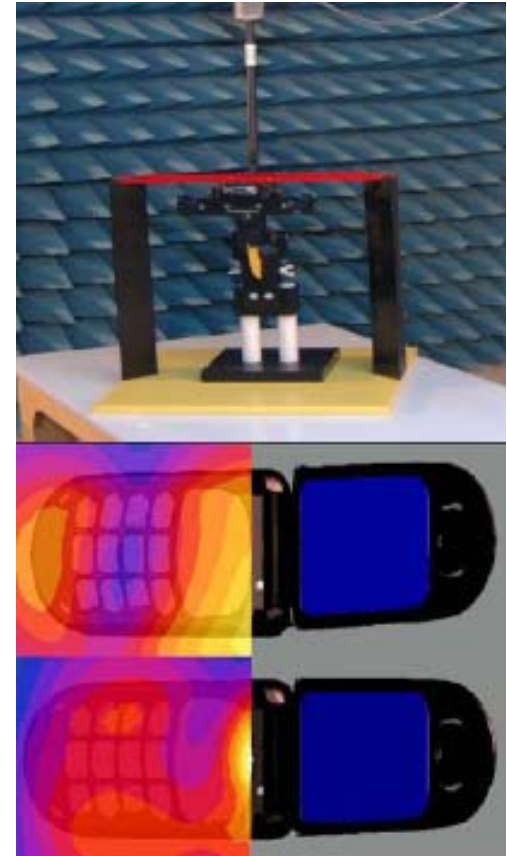
● ● ● | **DASY5 SAR Predominance**

- fastest and most accurate system for testing compliance regarding SAR limits
- SPEAG guarantees compatibility with any regional standard
- predefined procedures and data-processing for each standard



DASY5 PRO SYSTEM

- SAR: features of DASY5 SAR
- HAC: supports HAC hardware; predefined procedures satisfying ANSI 63.19 and CTIA
- Free Space: supports all free-space probes and any kind of evaluation; supports vector and 1mm probes, temperature probes; SEMCAD compatible, etc.
- Calibration: ISO17025 certified; all frequencies, short return time
- Speed: 5 to 20" depending on grid
- Easy-to-Use: predefined and customer defined procedures; fully automated
- Compatibility: all SAR and MPE standards worldwide





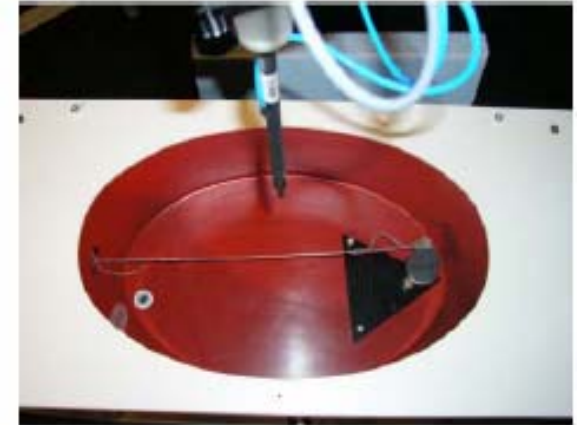
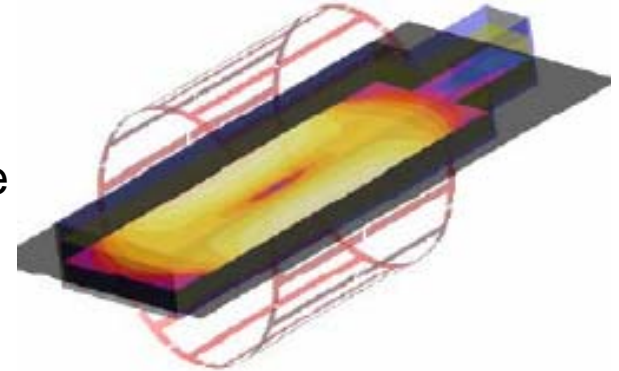
DASY5 PRO Predominance

- same as DASY5 SAR
- HAC RF & ELF testing demonstration of compliance with derived limits
- any near-field E-and H-field evaluations, highly suitable for design purposes



DASY5 NEO SYSTEM

- |SAR: features of DASY5 SAR |HAC & Free Space: features of DASY5PRO |3rd Party Probes: high-end interfaces |User Defined Control: scripting language |Phantom: any phantom can be imported |Special Options: predefined procedures for
- implants; birdcages for demonstrating MR-safety
- Flexibility: open system, supports any kind of evaluation; SEMCAD compatible, etc. Calibration: ISO17025 certified; rigorous 2-step
- procedure; all frequencies, short return time
- Speed: fastest system
- Easy-to-Use: user-friendly interfaces
- 1st User: FDA (USA)





DASY5 NEO Predominance

- same as DASY5 PRO
- interface for 3rd party probes (e.g., ELF-NARDAmeters, Time-Domain Sensors, Directional Antennas, etc.)
- scanning of large volumes, overhead mounting
- control of robot using script commands
- import of any phantom
- evaluations of MR-safety of implants (FDAbirdcage)



● ● ● **DASY5 NEO Applications**

any transmitter including mobile phones

base stations

scanning of anti-theft devices

scanning of inductive heater/welding

scanning of cars

evaluations of near-field EMI/EMC



● ● ● | **DASY5 Applications & Features**

- Custom selected modules enabling the most accurate, efficient and reliable 3D near-field measurements: standard SAR testing to advanced dosimetric evaluations of implants, MRI safety evaluations and scanning of large objects such as automobile interiors, anti-theft devices; frequency range from DC to THz
- SAR evaluations: predefined procedures and evaluations for automated compliance testing with all worldwide standards, e.g., IEEE 1528, OET 65, IEC 62209-1, IEC 62209-2, EN 50361/0,
- EN 50383 and others
- HAC evaluations: advanced hardware extensions allowing automated compliance testing according to the ANSI C63.19 standard and CTIA Test Plan, etc.

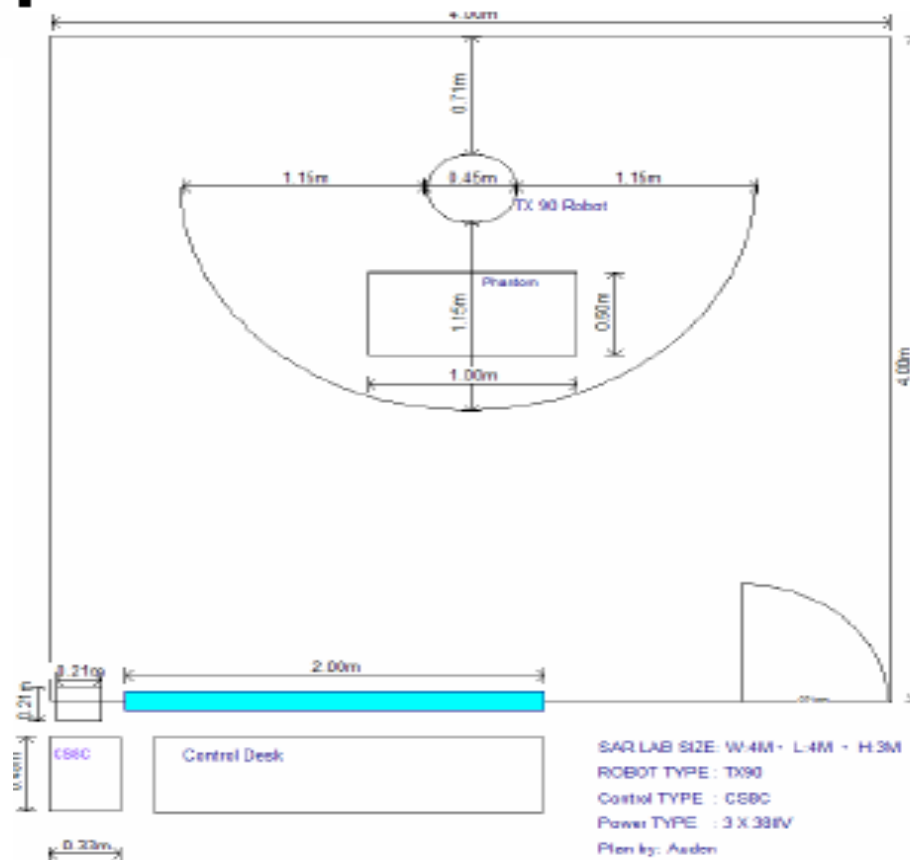


Applications & Features

- MPE and derived limit evaluations of E-and H-fields: compliance testing following the protocols defined in IEEE C95.3, EN 50392, EN 50357, etc. | Analysis of close near-fields to optimize radiation performance, EMC, EMI
- Large assortment of system components (probes, validation dipoles, phantoms, etc.) enabling compliance with standards and communication systems used worldwide
- Integration of 3rd party probes (for both analog and digital input) Control of devices such as communication testers, generators, etc.
- Enhanced GUI enabling direct comparison with results from SEMCAD X
- Custom-defined scanning procedures controlled by scripting language
- ISO 17025 calibration of the DASY5 system components



The laboratory planning





Thank for your support

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