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# **Appendix for the Report**

## **Dosimetric Assessment of the CeoTronics CT-GateCom II (FCC ID: L52CT-M6CEO1)**

### **According to the FCC Requirements**

### **Calibration Data**

May 24, 2011  
**IMST GmbH**  
**Carl-Friedrich-Gauß-Str. 2**  
**D-47475 Kamp-Lintfort**

Customer  
**PHOENIX TESTLAB GmbH**  
Königswinkel 10  
D-32825 Blomberg



Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Client **IMST**

Certificate No: **EX3-3536\_Sep10**

## CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:3536**

Calibration procedure(s) **QA CAL-01.v6, QA CAL-14.v3, QA CAL-23.v3 and QA CAL-25.v2  
Calibration procedure for dosimetric E-field probes**

Calibration date: **September 16, 2010**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^{\circ}\text{C}$  and humidity  $< 70\%$ .

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards          | ID #            | Cal Date (Certificate No.)     | Scheduled Calibration |
|----------------------------|-----------------|--------------------------------|-----------------------|
| Power meter E4419B         | GB41293874      | 1-Apr-10 (No. 217-01136)       | Apr-11                |
| Power sensor E4412A        | MY41495277      | 1-Apr-10 (No. 217-01136)       | Apr-11                |
| Power sensor E4412A        | MY41498087      | 1-Apr-10 (No. 217-01136)       | Apr-11                |
| Reference 3 dB Attenuator  | SN: S5054 (3c)  | 30-Mar-10 (No. 217-01159)      | Mar-11                |
| Reference 20 dB Attenuator | SN: S5086 (20b) | 30-Mar-10 (No. 217-01161)      | Mar-11                |
| Reference 30 dB Attenuator | SN: S5129 (30b) | 30-Mar-10 (No. 217-01160)      | Mar-11                |
| Reference Probe ES3DV2     | SN: 3013        | 30-Dec-09 (No. ES3-3013_Dec09) | Dec-10                |
| DAE4                       | SN: 660         | 20-Apr-10 (No. DAE4-660_Apr10) | Apr-11                |

| Secondary Standards       | ID #         | Check Date (in house)             | Scheduled Check        |
|---------------------------|--------------|-----------------------------------|------------------------|
| RF generator HP 8648C     | US3642U01700 | 4-Aug-99 (in house check Oct-09)  | In house check: Oct-11 |
| Network Analyzer HP 8753E | US37390585   | 18-Oct-01 (in house check Oct-09) | In house check: Oct10  |

| Calibrated by: | Name          | Function          | Signature |
|----------------|---------------|-------------------|-----------|
|                | Katja Pokovic | Technical Manager |           |
| Approved by:   | Name          | Function          | Signature |
|                | Fin Bornholt  | R&D Director      |           |

Issued: September 16, 2010

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



**Glossary:**

|                          |                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| TSL                      | tissue simulating liquid                                                                                                                                |
| NORM <sub>x,y,z</sub>    | sensitivity in free space                                                                                                                               |
| ConvF                    | sensitivity in TSL / NORM <sub>x,y,z</sub>                                                                                                              |
| DCP                      | diode compression point                                                                                                                                 |
| CF                       | crest factor (1/duty_cycle) of the RF signal                                                                                                            |
| A, B, C                  | modulation dependent linearization parameters                                                                                                           |
| Polarization $\phi$      | $\phi$ rotation around probe axis                                                                                                                       |
| Polarization $\vartheta$ | $\vartheta$ rotation around an axis that is in the plane normal to probe axis (at measurement center),<br>i.e., $\vartheta = 0$ is normal to probe axis |

**Calibration is Performed According to the Following Standards:**

- IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
- IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005

**Methods Applied and Interpretation of Parameters:**

- NORM<sub>x,y,z</sub>:** Assessed for E-field polarization  $\vartheta = 0$  ( $f \leq 900$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not effect the  $E^2$ -field uncertainty inside TSL (see below ConvF).
- NORM( $f$ )<sub>x,y,z</sub> = NORM<sub>x,y,z</sub> \* frequency\_response** (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP<sub>x,y,z</sub>:** DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; VR<sub>x,y,z</sub>:** A, B, C are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters:** Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \leq 800$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 800$  MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical isotropy (3D deviation from isotropy):** in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset:** The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.

# Probe EX3DV4

## SN:3536

|                  |                    |
|------------------|--------------------|
| Manufactured:    | April 30, 2004     |
| Last calibrated: | September 18, 2009 |
| Recalibrated:    | September 16, 2010 |

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

**DASY/EASY - Parameters of Probe: EX3DV4 SN:3536****Basic Calibration Parameters**

|                                                           | Sensor X | Sensor Y | Sensor Z | Unc (k=2)    |
|-----------------------------------------------------------|----------|----------|----------|--------------|
| Norm ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup> | 0.45     | 0.42     | 0.36     | $\pm 10.1\%$ |
| DCP (mV) <sup>B</sup>                                     | 91.9     | 90.9     | 91.4     |              |

**Modulation Calibration Parameters**

| UID   | Communication System Name | PAR  |   | A<br>dB | B<br>dBuV | C    | VR<br>mV | Unc <sup>E</sup><br>(k=2) |
|-------|---------------------------|------|---|---------|-----------|------|----------|---------------------------|
| 10000 | CW                        | 0.00 | X | 0.00    | 0.00      | 1.00 | 300      | $\pm 1.5\%$               |
|       |                           |      | Y | 0.00    | 0.00      | 1.00 | 300      |                           |
|       |                           |      | Z | 0.00    | 0.00      | 1.00 | 300      |                           |

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

<sup>A</sup> The uncertainties of NormX,Y,Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 and 6).

<sup>B</sup> Numerical linearization parameter; uncertainty not required.

<sup>E</sup> Uncertainty is determined using the maximum deviation from linear response applying recatangular distribution and is expressed for the square of the field value.

## DASY/EASY - Parameters of Probe: EX3DV4 SN:3536

### Calibration Parameter Determined in Head Tissue Simulating Media

| f [MHz] | Validity [MHz] <sup>C</sup> | Permittivity | Conductivity | ConvF X | ConvF Y | ConvF Z | Alpha | Depth Unc (k=2) |
|---------|-----------------------------|--------------|--------------|---------|---------|---------|-------|-----------------|
| 1950    | ± 50 / ± 100                | 40.0 ± 5%    | 1.40 ± 5%    | 7.77    | 7.77    | 7.77    | 0.54  | 0.71 ± 11.0%    |
| 2450    | ± 50 / ± 100                | 39.2 ± 5%    | 1.80 ± 5%    | 7.26    | 7.26    | 7.26    | 0.37  | 0.86 ± 11.0%    |
| 2600    | ± 50 / ± 100                | 39.0 ± 5%    | 1.96 ± 5%    | 7.31    | 7.31    | 7.31    | 0.44  | 0.81 ± 11.0%    |
| 3500    | ± 50 / ± 100                | 37.9 ± 5%    | 2.91 ± 5%    | 7.58    | 7.58    | 7.58    | 0.33  | 1.10 ± 13.1%    |
| 5200    | ± 50 / ± 100                | 36.0 ± 5%    | 4.66 ± 5%    | 5.42    | 5.42    | 5.42    | 0.30  | 1.90 ± 13.1%    |
| 5300    | ± 50 / ± 100                | 35.9 ± 5%    | 4.76 ± 5%    | 5.08    | 5.08    | 5.08    | 0.35  | 1.90 ± 13.1%    |
| 5600    | ± 50 / ± 100                | 35.5 ± 5%    | 5.07 ± 5%    | 4.86    | 4.86    | 4.86    | 0.45  | 1.90 ± 13.1%    |
| 5800    | ± 50 / ± 100                | 35.3 ± 5%    | 5.27 ± 5%    | 4.60    | 4.60    | 4.60    | 0.50  | 1.90 ± 13.1%    |

<sup>C</sup> The validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2). The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

## DASY/EASY - Parameters of Probe: EX3DV4 SN:3536

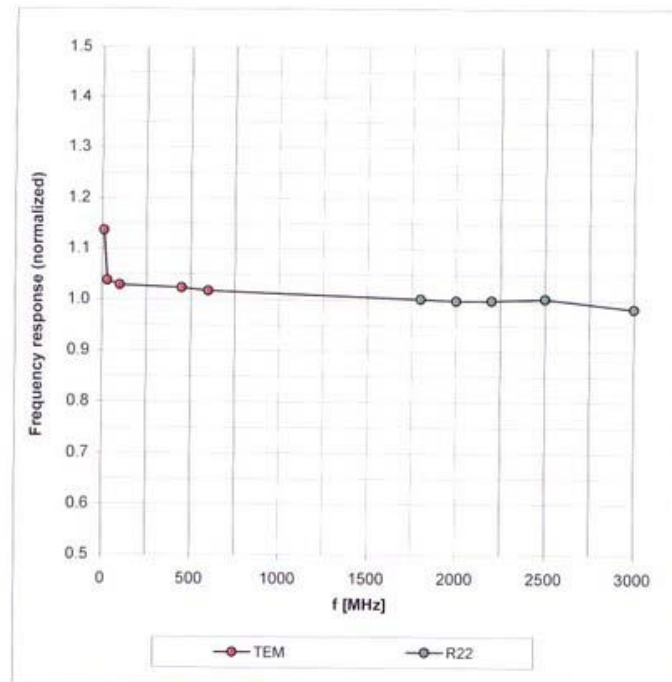
### Calibration Parameter Determined in Body Tissue Simulating Media

| f [MHz] | Validity [MHz] <sup>C</sup> | Permittivity | Conductivity | ConvF X | ConvF Y | ConvF Z | Alpha | Depth Unc (k=2) |
|---------|-----------------------------|--------------|--------------|---------|---------|---------|-------|-----------------|
| 1950    | ± 50 / ± 100                | 53.3 ± 5%    | 1.52 ± 5%    | 7.89    | 7.89    | 7.89    | 0.74  | 0.61 ± 11.0%    |
| 2450    | ± 50 / ± 100                | 52.7 ± 5%    | 1.95 ± 5%    | 7.48    | 7.48    | 7.48    | 0.30  | 0.93 ± 11.0%    |
| 2600    | ± 50 / ± 100                | 52.5 ± 5%    | 2.16 ± 5%    | 7.48    | 7.48    | 7.48    | 0.33  | 1.01 ± 11.0%    |
| 3500    | ± 50 / ± 100                | 51.3 ± 5%    | 3.31 ± 5%    | 6.81    | 6.81    | 6.81    | 0.33  | 1.30 ± 13.1%    |
| 5200    | ± 50 / ± 100                | 49.0 ± 5%    | 5.30 ± 5%    | 4.36    | 4.36    | 4.36    | 0.60  | 1.95 ± 13.1%    |
| 5300    | ± 50 / ± 100                | 48.9 ± 5%    | 5.42 ± 5%    | 4.13    | 4.13    | 4.13    | 0.65  | 1.95 ± 13.1%    |
| 5600    | ± 50 / ± 100                | 48.5 ± 5%    | 5.77 ± 5%    | 3.90    | 3.90    | 3.90    | 0.70  | 1.95 ± 13.1%    |
| 5800    | ± 50 / ± 100                | 48.2 ± 5%    | 6.00 ± 5%    | 4.10    | 4.10    | 4.10    | 0.65  | 1.95 ± 13.1%    |

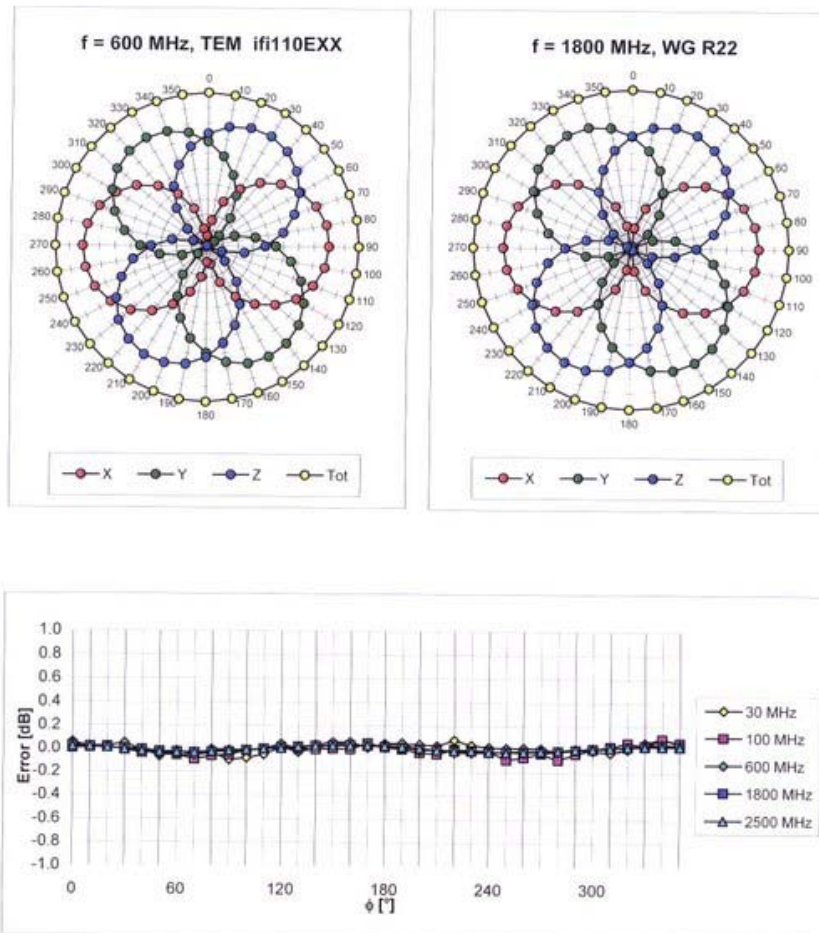
<sup>C</sup> The validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2). The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

## Frequency Response of E-Field

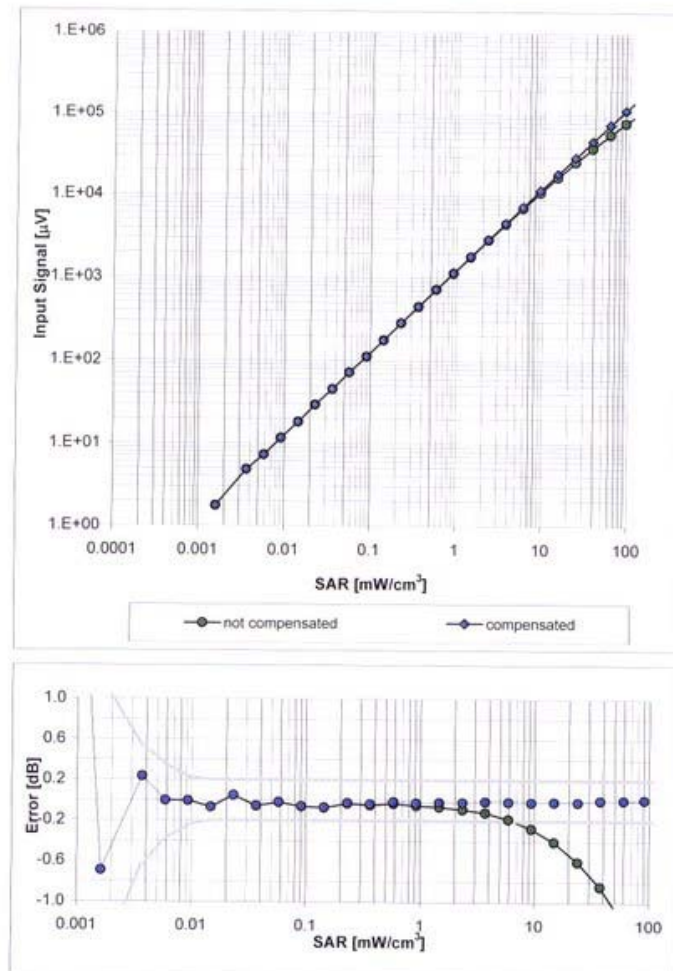
(TEM-Cell:ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

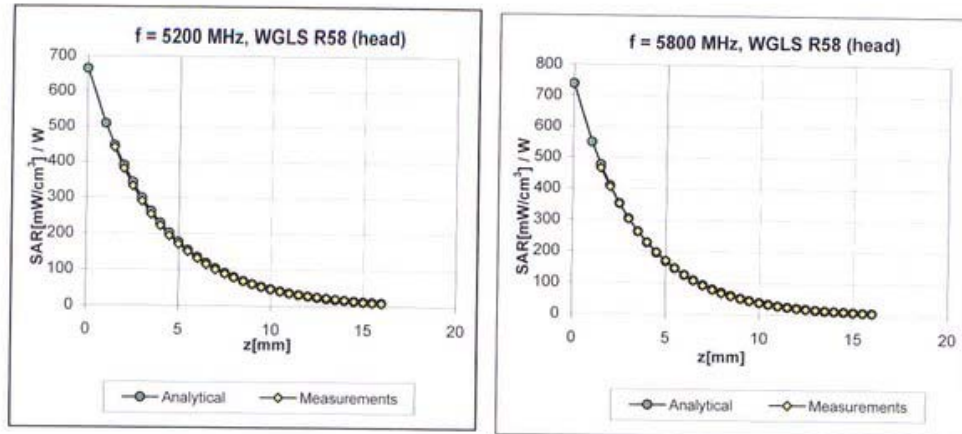
Receiving Pattern ( $\phi$ ),  $\vartheta = 0^\circ$ Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

### Dynamic Range $f(\text{SAR}_{\text{head}})$ (Waveguide R22, $f = 1800$ MHz)



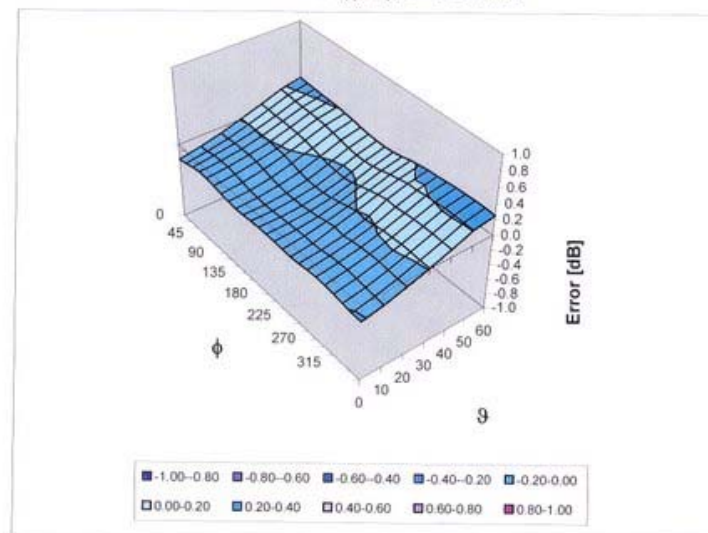
Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

## Conversion Factor Assessment



## Deviation from Isotropy in HSL

Error ( $\phi$ ,  $\theta$ ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment:  $\pm 2.6\%$  (k=2)

**Other Probe Parameters**

|                                               |                |
|-----------------------------------------------|----------------|
| Sensor Arrangement                            | Triangular     |
| Connector Angle (°)                           | Not applicable |
| Mechanical Surface Detection Mode             | enabled        |
| Optical Surface Detection Mode                | disabled       |
| Probe Overall Length                          | 337 mm         |
| Probe Body Diameter                           | 10 mm          |
| Tip Length                                    | 9 mm           |
| Tip Diameter                                  | 2.5 mm         |
| Probe Tip to Sensor X Calibration Point       | 1 mm           |
| Probe Tip to Sensor Y Calibration Point       | 1 mm           |
| Probe Tip to Sensor Z Calibration Point       | 1 mm           |
| Recommended Measurement Distance from Surface | 2 mm           |

DAT-P-152/98-01

### Calibration Certificate

Certificate No: Cal\_D1900V2\_SN5d051\_0909

Object: D1900V2 SN: 5d051

Date of Calibration: September 09, 2009

Next Calibration: September 2011

Object Condition: In Tolerance

#### Calibration Equipment used:

| Test Equipment          | Serial Number | Last calibration | Calibrated by                                        | Next calibration |
|-------------------------|---------------|------------------|------------------------------------------------------|------------------|
| Powermeter E4416A       | GB41050414    | Dec 08           | Agilent Techn.<br>(ISO/IEC 17025,<br>1-1784162174-1) | Dec 10           |
| Power Sensor E9301H     | US40010212    | Dec 08           | Agilent Techn.<br>(ISO/IEC 17025,<br>1-1784041195-1) | Dec 10           |
| Powermeter E4417A       | GB41050441    | Dec 08           | Agilent Techn.<br>(ISO/IEC 17025,<br>1-1674038198-1) | Dec 10           |
| Power Sensor E9301A     | MY41495584    | Dec 08           | Agilent Techn.<br>(ISO/IEC 17025,<br>1-1784041307-1) | Dec 10           |
| Network Analyzer E5071C | MY46103220    | Aug 09           | Rohde& Schwarz<br>(14967-DKD-00201-<br>2009-08)      | Aug 10           |
| Reference Probe ET3DV6  | SN 1669       | Feb 09           | SPEAG, No ET3-<br>1669_Feb09                         | Feb 10           |
| DAE3                    | SN 335        | Feb 09           | SPEAG, No DAE3-<br>335_Feb09                         | Feb 10           |

**Calibration is performed according the following standards:****IEEE 1528-2003**

"IEEE Recommended Practice for Determining the Peak Spatial - Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communication Devices: Measurement Technique", December 2003

**IEC 62209-1**

"Procedure to measure the Specific Absorption Rate (SAR) for hand - held devices used in close proximity to the ear (frequency range of 300 MHz to 3GHz)", February 2005

**Federal Communications Commission Office of Engineering & Technologies (FCCOET)**

"Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields; Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions", Supplement C (Edition 01-01) to Bulletin 65

**Additional Documentation:** DASY 4 System Handbook

prepared by:



Alexander Rahn  
test engineer

reviewed by:



André van den Bosch  
quality assurance engineer

| Measurement Conditions        |                     |             |
|-------------------------------|---------------------|-------------|
| DASY Version:                 | Dasy 4;             | V4.7        |
| Phantom:                      | SAM Phantom         | 1340        |
| Distance Dipole Center – TSL: | 10mm                | With spacer |
| Zoom Scan res.                | dx, dy, dz = 5mm    |             |
| Frequency:                    | 1900 MHz $\pm$ 1MHz |             |

| Head TSL Parameters          |             |               |                   |
|------------------------------|-------------|---------------|-------------------|
|                              | Temperature | Permittivity  | Conductivity      |
| Nominal Head TSL Parameters  | 22.0        | 40.0          | 1.40              |
| Measured Head TSL Parameters | 22.0        | 40.3 $\pm$ 6% | 1.45 S/m $\pm$ 6% |

| SAR result with Head TSL |                                     |                   |                                                     |
|--------------------------|-------------------------------------|-------------------|-----------------------------------------------------|
| Averaged over<br>1g      | SAR measured                        | 250mW input power | 9.10 mW/g                                           |
|                          | SAR normalized                      | normalized to 1W  | 36.40 mW/g                                          |
|                          | SAR for nominal Head TSL parameters | normalized to 1W  | <b>35.90 mW/g <math>\pm</math> 16.5 %<br/>(k=2)</b> |
| Averaged over<br>10g     | SAR measured                        | 250mW input power | 4.76 mW/g                                           |
|                          | SAR normalized                      | normalized to 1W  | 19.04 mW/g                                          |
|                          | SAR for nominal Head TSL parameters | normalized to 1W  | <b>18.96 mW/g <math>\pm</math> 16.5 %<br/>(k=2)</b> |

| Body TSL Parameters          |             |                |                   |
|------------------------------|-------------|----------------|-------------------|
|                              | Temperature | Permittivity   | Conductivity      |
| Nominal Body TSL Parameters  | 22.0        | 53.30          | 1.52              |
| Measured Body TSL Parameters | 22.0        | 52.90 $\pm$ 6% | 1.54 S/m $\pm$ 6% |

| SAR result with Body TSL |                                     |                   |                                                     |
|--------------------------|-------------------------------------|-------------------|-----------------------------------------------------|
| Averaged over<br>1g      | SAR measured                        | 250mW input power | 9.42 mW/g                                           |
|                          | SAR normalized                      | normalized to 1W  | 37.68 mW/g                                          |
|                          | SAR for nominal Body TSL parameters | normalized to 1W  | <b>37.28 mW/g <math>\pm</math> 16.5 %<br/>(k=2)</b> |
| Averaged over<br>10g     | SAR measured                        | 250mW input power | 4.97 mW/g                                           |
|                          | SAR normalized                      | normalized to 1W  | 19.88 mW/g                                          |
|                          | SAR for nominal Body TSL parameters | normalized to 1W  | <b>19.77 mW/g <math>\pm</math> 16.5 %<br/>(k=2)</b> |

| General Antenna Parameters                                                                                                                                                                                                                                                                                                                    |                                      |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------|
| Antenna Parameters with Head TSL                                                                                                                                                                                                                                                                                                              | Impedance, transformed to feed point | 48.2 j $\Omega$ - 1.3 j $\Omega$ |
|                                                                                                                                                                                                                                                                                                                                               | Return Loss                          | -33.0 dB                         |
| Antenna Parameter with Body TSL                                                                                                                                                                                                                                                                                                               | Impedance, transformed to feed point | 53.9 j $\Omega$ - 0.4 j $\Omega$ |
|                                                                                                                                                                                                                                                                                                                                               | Return Loss                          | -28.3 dB                         |
| <p>After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC signals.</p> |                                      |                                  |

| Additional EUT Data |                  |
|---------------------|------------------|
| Manufactured by:    | SPEAG            |
| Manufactured on:    | January 15, 1998 |

**SAR result with Head TSL**

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [090909\\_b\\_1669.da4](#)

DUT: Dipole 1900 MHz SN: 5d051; Type: D1900V2; Serial: D1900V2 - SN5d051

Program Name: System Performance Check at 1900 MHz

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.11, 5.11, 5.11); Calibrated: 10.02.2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2009
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 10.4 mW/g

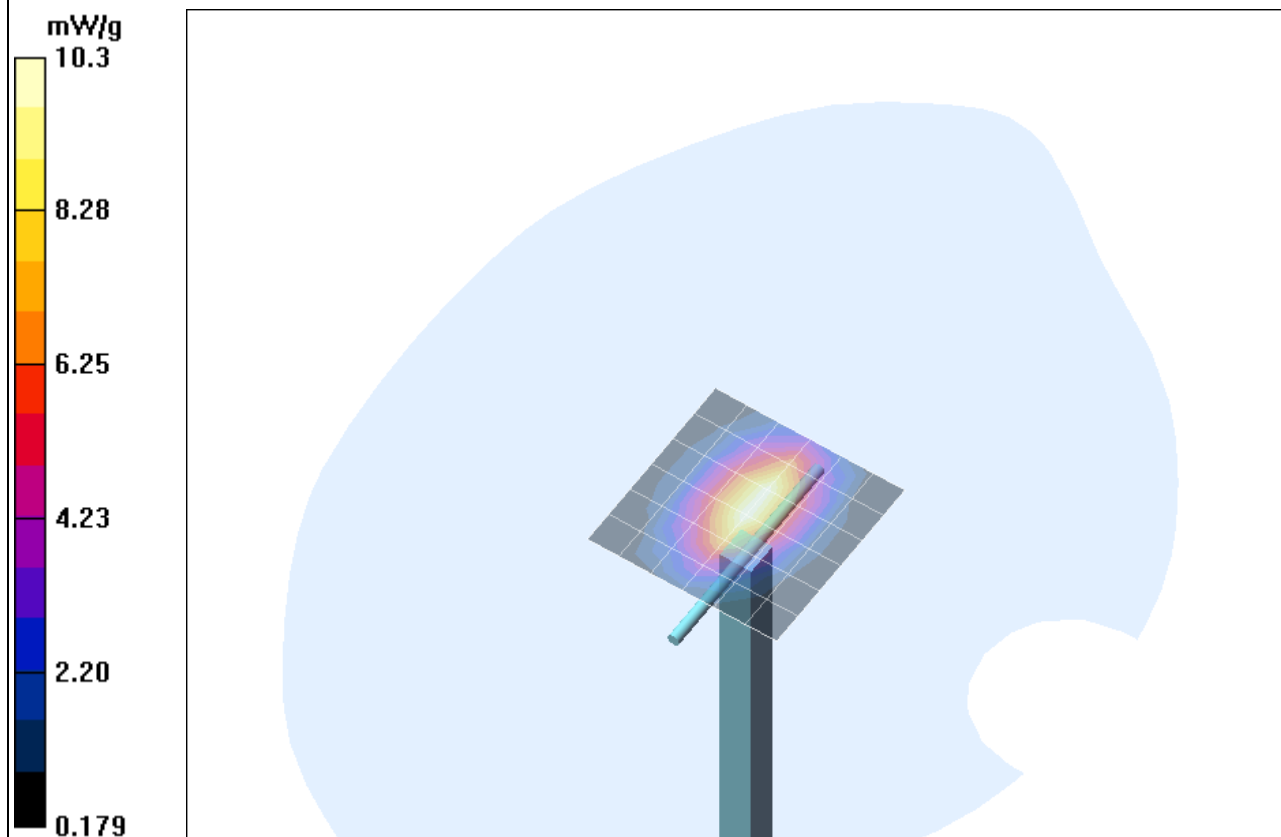
**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.3 V/m; Power Drift = -0.152 dB

Peak SAR (extrapolated) = 15.9 W/kg

**SAR(1 g) = 9.1 mW/g; SAR(10 g) = 4.76 mW/g**

Maximum value of SAR (measured) = 10.3 mW/g



**SAR result with Body TSL**

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [090909\\_b\\_1669.da4](#)

DUT: Dipole 1900 MHz SN: 5d051; Type: D1900V2; Serial: D1900V2 - SN5d051  
Program Name: System Performance Check at 1900 MHz

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.54 \text{ mho/m}$ ;  $\epsilon_r = 52.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.69, 4.69, 4.69); Calibrated: 10.02.2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2009
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 10.1 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 86.1 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 16.5 W/kg

**SAR(1 g) = 9.42 mW/g; SAR(10 g) = 4.97 mW/g**

Maximum value of SAR (measured) = 10.7 mW/g

