

Applicant:	Kyocera
FCC ID:	V65SCP-8600
Report #:	CT-8600-9C-0510-R0

EXHIBIT 9 APPENDIX C: SAR PROBE CALIBRATION CERTIFICATE

Total pages including cover page = 28

Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland





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Client

Kyocera USA

Accreditation No.: SCS 108

Certificate No: ES3-3036 Aug09

CALIBRATION CERTIFICATE Object ES3DV3 - SN:3036 Calibration procedure(s) QA CAL-01.v6, QA CAL-23.v3 and QA CAL-25.v2 Calibration procedure for dosimetric E-field probes August 20, 2009 Calibration date: Condition of the calibrated item In Tolerance 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 ± 3)°C and humidity < 70%, Calibration Equipment used (M&TE critical for calibration) Primary Standards Scheduled Calibration Cal Date (Certificate No.) Power meter E4419B GB41293874 1-Apr-09 (No. 217-01030) Apr-10 Power sensor E4412A MY41495277 1-Apr-09 (No. 217-01030) Apr-10 Power sensor E4412A MY41498087 1-Apr-09 (No. 217-01030) Арг-10 Reference 3 dB Attenuator SN; S5054 (3c) 31-Mar-09 (No. 217-01026) Mar-10 Reference 20 dB Attenuator SN: S5086 (20b) 31-Mar-09 (No. 217-01028) Mar-10 Reference 30 dB Attenuator SN: S5129 (30b) 31-Mar-09 (No. 217-01027) Mar-10 Reference Probe ES3DV2 2-Jan-09 (No. ES3-3013_Jan09) SN: 3013 Jan-10 DAE4 SN: 660 9-Sep-08 (No. DAE4-660_Sep08) Sep-09 Secondary Standards Scheduled Check Check Date (in house) US3642U01700 RF generator HP 8648C 4-Aug-99 (in house check Oct-07) In house check: Oct-09 Network Analyzer HP 8753E US37390585 18-Oct-01 (in house check Oct-08) In house check: Oct-09 Name Signature Function Calibrated by: Jeton Kastrati Laboratory Technician Approved by: Katja Pokovic Technical Manager

Issued: August 20, 2009

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Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL tissue simulating liquid NORMx,y,z sensitivity in free space

ConvF sensitivity in TSL / NORMx,y,z

DCP diode compression point Polarization ϕ rotation around probe axis

Polarization 9 9 rotation around an axis that is in the plane normal to probe axis (at

measurement center), i.e., 9 = 0 is normal to probe axis

Calibration is Performed According to the Following Standards:

a) 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

b) 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:

- NORMx,y,z: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not effect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * 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.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 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 NORMx,y,z * 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 ± 50 MHz to ± 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 ES3DV3

SN:3036

Manufactured: August 21, 2003

Last calibrated: September 18, 2008

Recalibrated: August 20, 2009

Calibrated for DASY Systems

(Note: non-compatible with DASY2 system!)

Certificate No: ES3-3036_Aug09 Page 3 of 9

DASY - Parameters of Probe: ES3DV3 SN:3036

Sensitivity in Free	Diode C	ompression	В		
NormX	1.24 ± 10.1%	μV/(V/m) ²	DCP X	94 mV	
NormY	1.43 ± 10.1%	μ V/(V/m) ²	DCP Y	95 mV	
NormZ	1.40 ± 10.1%	μV/(V/m) ²	DCP Z	98 m∨	

Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 8.

Boundary Effect

TSL

835 MHz

Typical SAR gradient: 5 % per mm

Sensor Center to	3.0 mm	4.0 mm	
SAR _{be} [%]	Without Correction Algorithm	10.0	6.0
SAR _{be} [%]	With Correction Algorithm	8.0	0.6

TSL

1900 MHz

Typical SAR gradient: 10 % per mm

Sensor Center to	3.0 mm	4.0 mm	
SAR _{be} [%]	Without Correction Algorithm	9.9	5.9
SAR _{be} [%]	With Correction Algorithm	0.6	0.4

Sensor Offset

Probe Tip to Sensor Center

2.0 mm

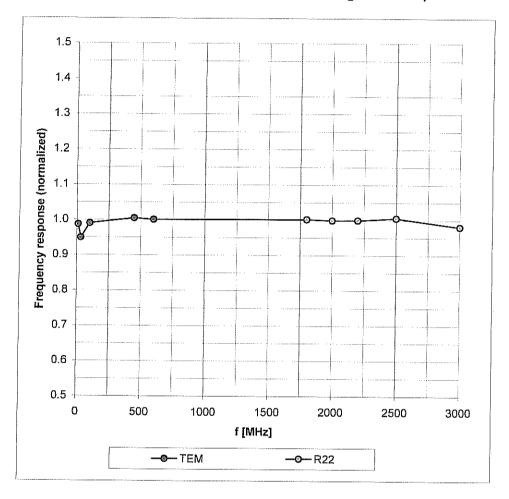
The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of NormX,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 8).

⁸ Numerical linearization parameter; uncertainty not required.

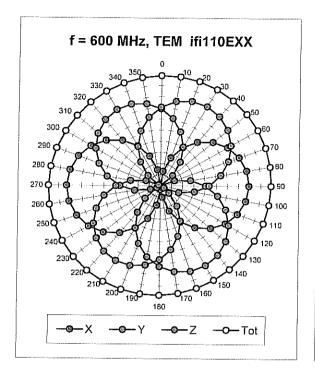
Frequency Response of E-Field

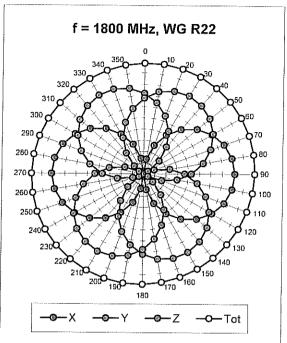
(TEM-Cell:ifi110 EXX, Waveguide: R22)

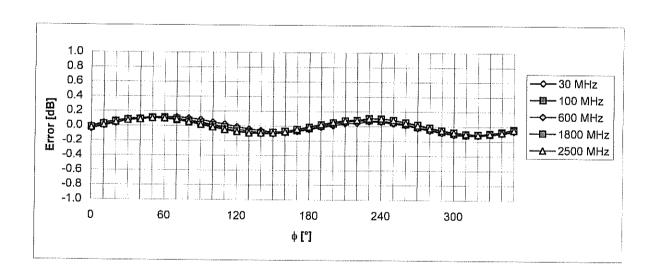


Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$





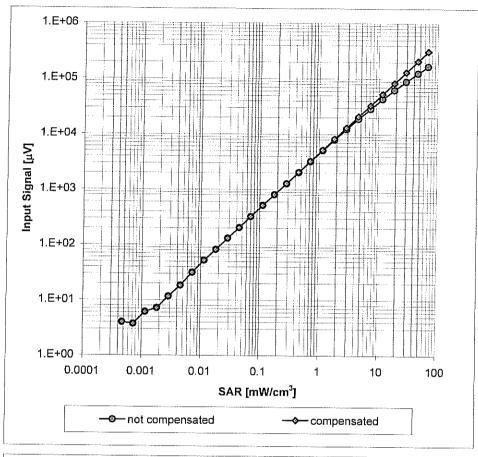


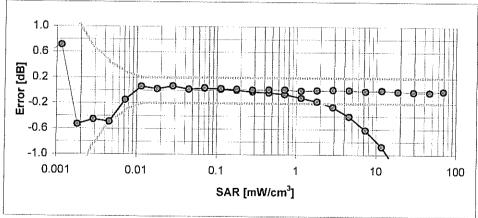
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Certificate No: ES3-3036_Aug09

Dynamic Range f(SAR_{head})

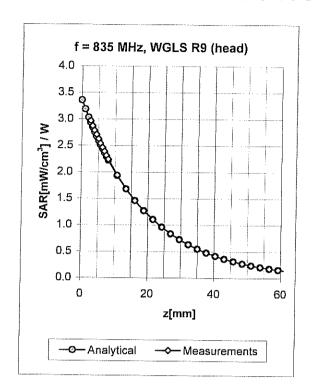
(Waveguide R22, f = 1800 MHz)

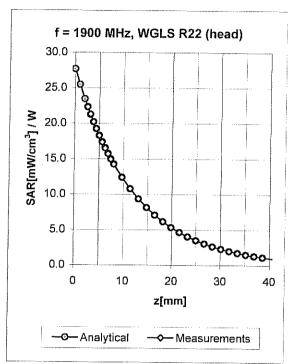




Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



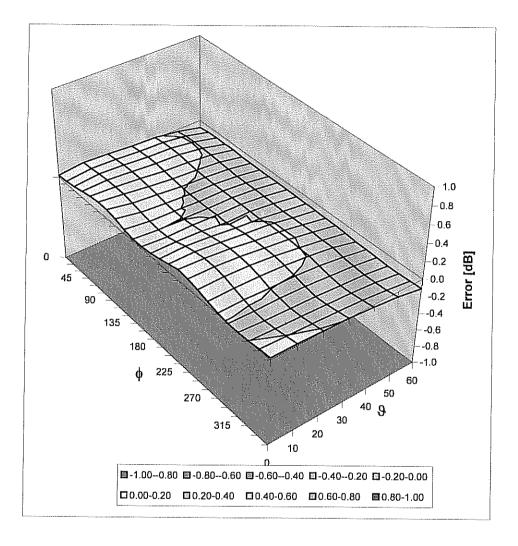


f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
835	± 50 / ± 100	Head	41.5 ± 5%	0.90 ± 5%	0.76	1.16	5.96 ± 11.0% (k=2)
1900	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.53	1.48	4.92 ± 11.0% (k=2)
835	± 50 / ± 100	Body	55.2 ± 5%	0.97 ± 5%	0.69	1.23	5.80 ± 11.0% (k=2)
1900	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.30	2.60	4.50 ± 11.0% (k=2)

 $^{^{\}rm c}$ The validity of \pm 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.

Deviation from Isotropy in HSL

Error (ϕ , ϑ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

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Client

Kyocera USA

Accreditation No.: SCS 108

Certificate No: ES3-3035 Aug 09

CALIBRATION	CERTIFICA		
Object	ES3DV3 - SN:3	0035	
Calibration procedure(s)		QA CAL-23.v3 and QA CAL-25.v cedure for dosimetric E-field probe	
Calibration date:	August 20, 200	9	
Condition of the calibrated item	In Tolerance		
The measurements and the unc	ertainties with confidence	ational standards, which realize the physical ur probability are given on the following pages are ory facility: environment temperature (22 \pm 3)°	nd are part of the certificate.
Calibration Equipment used (M&	TE critical for calibration)		
Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	1-Apr-09 (No. 217-01030)	Apr-10
ower sensor E4412A	MY41495277	1-Apr-09 (No. 217-01030)	Apr-10
ower sensor E4412A	MY41498087	1-Apr-09 (No. 217-01030)	Apr-10
Reference 3 dB Attenuator	SN: S5054 (3c)	31-Mar-09 (No. 217-01026)	Mar-10
Reference 20 dB Attenuator	SN: S5086 (20b)	31-Mar-09 (No. 217-01028)	Mar-10
Reference 30 dB Attenuator	SN: S5129 (30b)	31-Mar-09 (No. 217-01027)	Mar-10
Reference Probe ES3DV2	SN: 3013	2-Jan-09 (No. ES3-3013_Jan09)	Jan-10
DAE4	SN: 660	9-Sep-08 (No. DAE4-660_Sep08)	Sep-09
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (in house check Oct-07)	In house check: Oct-09
Network Analyzer HP 8753E	US37390585	18-Oct-01 (in house check Oct-08)	In house check: Oct-09
	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	i bi
approved by:	Katja Pokovic	Technical Manager	J. J
			Issued: August 20, 2009

Issued: August 20, 2009

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Accreditation No.: SCS 108

Glossary:

TSL NORMx.v.z

tissue simulating liquid sensitivity in free space

ConvF

sensitivity in TSL / NORMx,y,z

DCP

diode compression point

Polarization φ

φ rotation around probe axis

Polarization 9

9 rotation around an axis that is in the plane normal to probe axis (at

measurement center), i.e., $\vartheta = 0$ is normal to probe axis

Calibration is Performed According to the Following Standards:

- a) 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
- b) 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:

- NORMx,y,z: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not effect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * 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.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 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 NORMx,y,z * 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 ± 50 MHz to ± 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.

Certificate No: ES3-3035 Aug09

Probe ES3DV3

SN:3035

Manufactured:

August 21, 2003

Last calibrated:

August 25, 2008

Recalibrated:

August 20, 2009

Calibrated for DASY Systems

(Note: non-compatible with DASY2 system!)

DASY - Parameters of Probe: ES3DV3 SN:3035

Sensitivity in Free Space ^A	Diode Compression ^B
--	--------------------------------

NormX	1.12 ± 10.1%	μV/(V/m) ²	DCP X	97 mV
NormY	0.94 ± 10.1%	μ V/(V/m) ²	DCP Y	99 mV
NormZ	1.17 ± 10.1%	μ V/(V/m) ²	DCP Z	101 mV

Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 8.

Boundary Effect

TSL 835 MHz Typical SAR gradient: 5 % per mm

Sensor Center to	3.0 mm	4.0 mm	
SAR _{be} [%]	Without Correction Algorithm	8.2	4.8
SAR _{be} [%]	With Correction Algorithm	0.5	0.3

TSL 1900 MHz Typical SAR gradient: 10 % per mm

Sensor Center to	3.0 mm	4.0 mm	
SAR _{be} [%]	Without Correction Algorithm	7.0	3.4
SAR _{be} [%]	With Correction Algorithm	0.8	0.5

Sensor Offset

Probe Tip to Sensor Center 2.0 mm

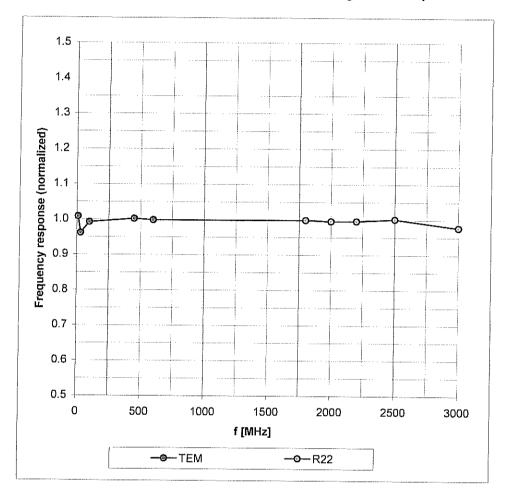
The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

A The uncertainties of NormX,Y,Z do not affect the E2-field uncertainty inside TSL (see Page 8).

⁸ Numerical linearization parameter: uncertainty not required.

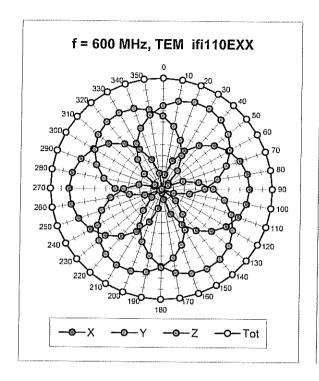
Frequency Response of E-Field

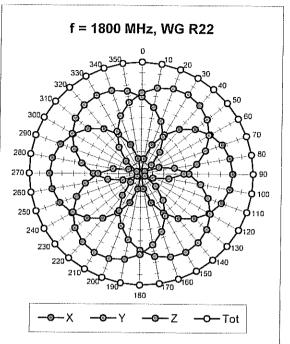
(TEM-Cell:ifi110 EXX, Waveguide: R22)

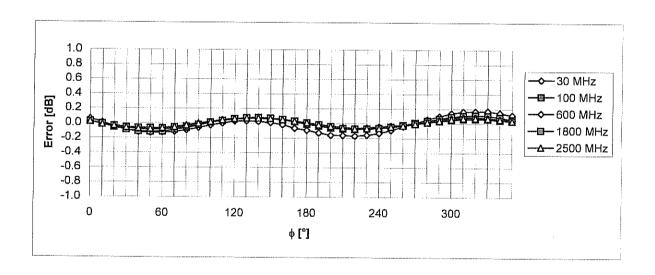


Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$





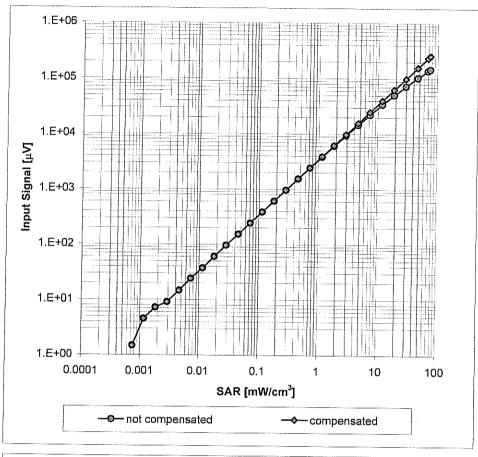


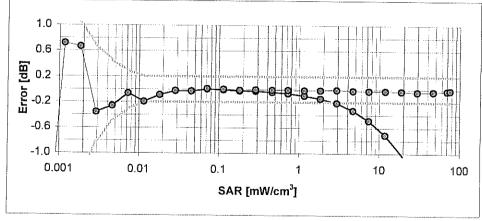
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Certificate No: ES3-3035_Aug09

Dynamic Range f(SAR_{head})

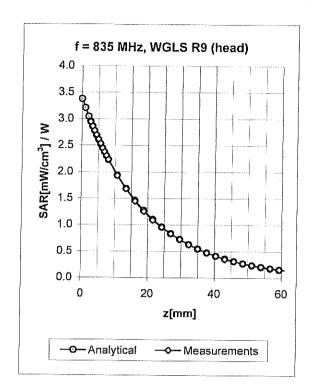
(Waveguide R22, f = 1800 MHz)

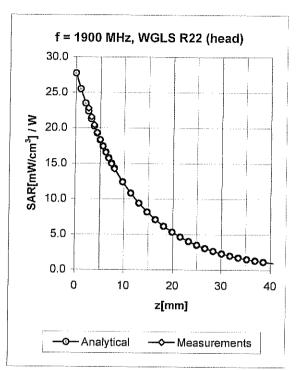




Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



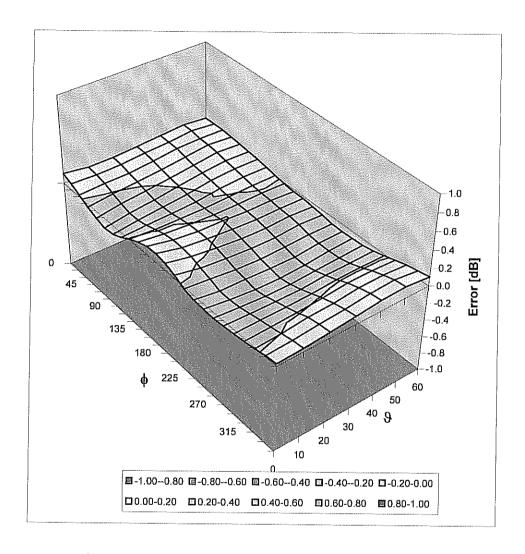


f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
835	± 50 / ± 100	Head	41.5 ± 5%	0.90 ± 5%	0.79	1.12	6.12 ± 11.0% (k=2)
1900	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.39	1.72	4.91 ± 11.0% (k=2)
835	± 50 / ± 100	Body	55.2 ± 5%	0.97 ± 5%	0.96	1.09	5.94 ± 11.0% (k=2)
1900	± 50 / ± 100	Body	$53.3 \pm 5\%$	1.52 ± 5%	0.29	2.77	4.54 ± 11.0% (k=2)

 $^{^{\}rm c}$ The validity of \pm 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.

Deviation from Isotropy in HSL

Error (ϕ, ϑ) , f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

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Client

Kyocera USA

Accreditation No.: SCS 108

Certificate No: ES3-3078 Jun09

CALIBRATION CERTIFICATE Object ES3DV3 - SN:3078 Calibration procedure(s) QA CAL-01.v6 and QA CAL-23.v3 Calibration procedure for dosimetric E-field probes Calibration date: June 22, 2009 Condition of the calibrated item In Tolerance 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 ± 3)°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-09 (No. 217-01030) Apr-10 Power sensor E4412A MY41495277 1-Apr-09 (No. 217-01030) Apr-10 Power sensor E4412A MY41498087 1-Apr-09 (No. 217-01030) Apr-10 Reference 3 dB Attenuator SN: S5054 (3c) 31-Mar-09 (No. 217-01026) Mar-10 Reference 20 dB Attenuator SN: S5086 (20b) 31-Mar-09 (No. 217-01028) Mar-10 Reference 30 dB Attenuator SN: S5129 (30b) 31-Mar-09 (No. 217-01027) Mar-10 Reference Probe ES3DV2 SN: 3013 2-Jan-09 (No. ES3-3013_Jan09) Jan-10 DAE4 SN: 660 9-Sep-08 (No. DAE4-660 Sep08) Sep-09 Secondary Standards ID# Check Date (in house) Scheduled Check RF generator HP 8648C US3642U01700 4-Aug-99 (in house check Oct-07) In house check: Oct-09 Network Analyzer HP 8753E US37390585 18-Oct-01 (in house check Oct-08) In house check: Oct-09 Name **Function** Signature Calibrated by: Jeton Kastrati Laboratory Technician Approved by: Katja Pokovic Technical Manager

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Glossary:

TSL tissue simulating liquid NORMx,y,z sensitivity in free space

ConvF sensitivity in TSL / NORMx,v,z

DCP diode compression point Polarization φ φ rotation around probe axis

Polarization 9 9 rotation around an axis that is in the plane normal to probe axis (at

measurement center), i.e., $\theta = 0$ is normal to probe axis

Calibration is Performed According to the Following Standards:

- a) 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
- b) 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:

- *NORMx*, *y*, *z*: Assessed for E-field polarization $\vartheta = 0$ ($f \le 900$ MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not effect the E²-field uncertainty inside TSL (see below *ConvF*).
- $NORM(f)x,y,z = NORMx,y,z * frequency_response$ (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.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 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 NORMx,y,z * 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.

Page 2 of 9

Probe ES3DV3

SN:3078

Manufactured: March 14, 2005 Last calibrated: June 23, 2008 Recalibrated: June 22, 2009

Calibrated for DASY Systems

(Note: non-compatible with DASY2 system!)

Certificate No: ES3-3078_Jun09 Page 3 of 9

DASY - Parameters of Probe: ES3DV3 SN:3078

Sensitivity in Free	Diode C	ompression ^B			
NormX	1.29 ± 10.1%	μ V/(V/m) ²	DCP X	92 mV	
NormY	1.30 ± 10.1%	μ V/(V/m) ²	DCP Y	94 mV	
NormZ	1.22 ± 10.1%	սV/(V/m)²	DCP Z	92 m\/	

Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 8.

Boundary Effect

TSL

835 MHz

Typical SAR gradient: 5 % per mm

Sensor Center to	3.0 mm	4.0 mm	
SAR _{be} [%]	Without Correction Algorithm	11.6	7.6
SAR _{be} [%]	With Correction Algorithm	0.5	0.1

TSL

1900 MHz

Typical SAR gradient: 10 % per mm

Sensor Center t	3.0 mm	4.0 mm	
SAR _{be} [%]	Without Correction Algorithm	10.0	6.2
SAR _{be} [%]	With Correction Algorithm	0.8	0.5

Sensor Offset

Probe Tip to Sensor Center

2.0 mm

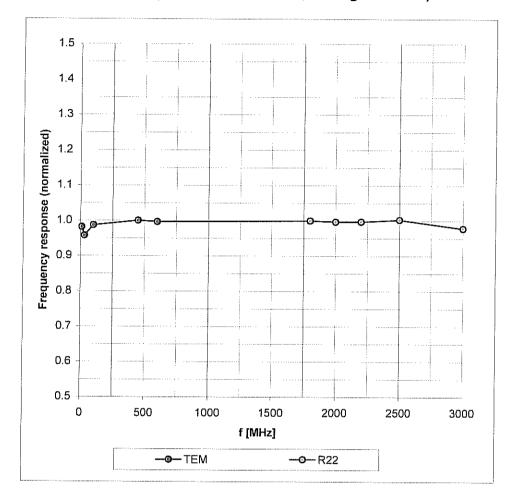
The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of NormX,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 8).

^B Numerical linearization parameter: uncertainty not required.

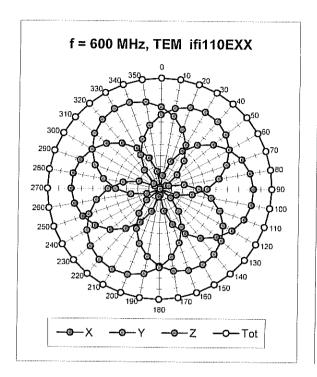
Frequency Response of E-Field

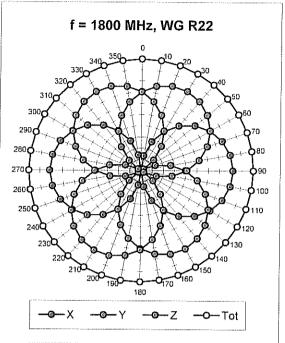
(TEM-Cell:ifi110 EXX, Waveguide: R22)

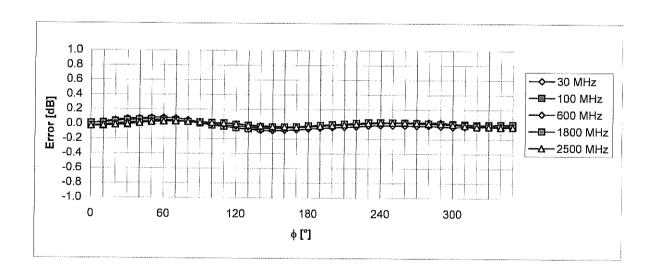


Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

Receiving Pattern (ϕ), ϑ = 0°





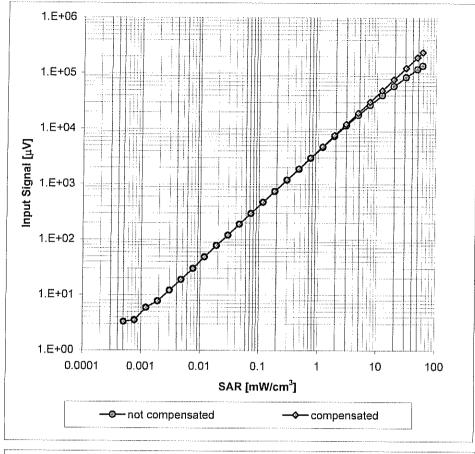


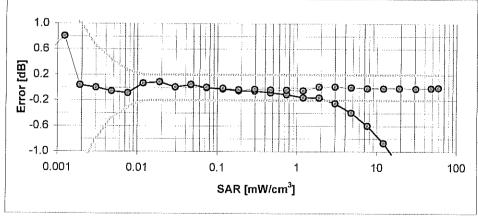
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Certificate No: ES3-3078_Jun09

Dynamic Range f(SAR_{head})

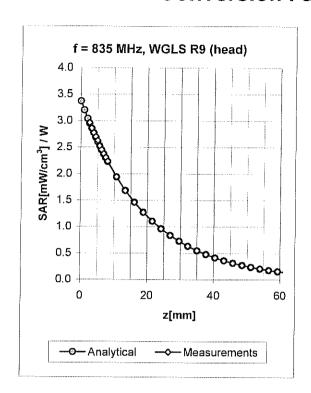
(Waveguide R22, f = 1800 MHz)

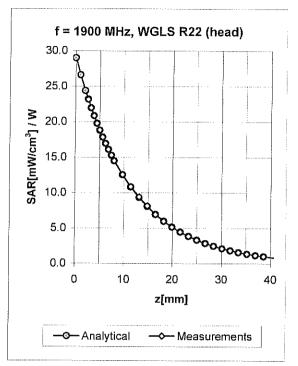




Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



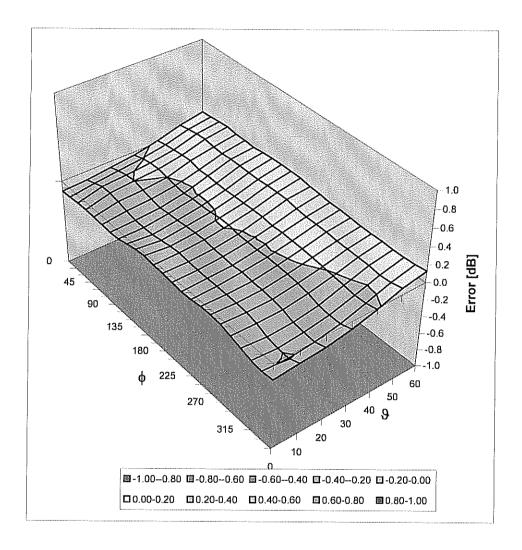


f [MHz]	Validity [MHz] ^C	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty	
835	± 50 / ± 100	Head	41.5 ± 5%	0.90 ± 5%	0.43	1.76	5.68 ± 11.0% (k=2)	
1900	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.51	1.66	4.84 ± 11.0% (k=2)	
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.68	1.46	4.34 ± 11.0% (k=2)	
835	± 50 / ± 100	Body	55.2 ± 5%	0.97 ± 5%	0.99	1.13	5.79 ± 11.0% (k=2)	
1900	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.32	2.24	4.45 ± 11.0% (k=2)	
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.99	1.07	4.13 ± 11.0% (k=2)	

^c 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.

Deviation from Isotropy in HSL

Error (ϕ, ϑ) , f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)