



The Testcenter facility 'Dosimetric Test Lab' within IMST GmbH is accredited by the German National 'Deutsche Akkreditierungsstelle GmbH (DAkkS)' for testing according to the scope as listed in the accreditation certificate: D-PL-12139-01-01.

Appendix for the Report

Portable Device Amyuni DBLDEV1 (FCC ID: ZTVDBLDEV1)

(IC: 9796A-DBLDEV1)

According to the FCC Requirements Calibration Data

October 17, 2011

IMST GmbH

Carl-Friedrich-Gauß-Str. 2 D-47475 Kamp-Lintfort

Customer

Nemko Canada 303 River Road Ottawa, ON Canada K1V 1H2

Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst S Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

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

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Client

Certificate No: EX3-3536_Sep10

Object	EX3DV4 - SN:3	3536	
Calibration procedure(s)		QA CAL-14.v3, QA CAL-23.v3 an	
	Calibration prod	cedure for dosimetric E-field probe	S
Calibration date:	September 16,	2010	
		ational standards, which realize the physical un	
ne measurements and the unc	certainties with confidence	probability are given on the following pages an	nd are part of the certificate.
Il calibrations have been cond	ucted in the closed laborat	ory facility: environment temperature (22 ± 3)"(C and humidity < 70%.
			C and humidity < 70%.
			C and humidity < 70%.
alibration Equipment used (M			C and humidity < 70%. Scheduled Calibration
alibration Equipment used (Mi	&TE critical for calibration)	FRANCIS COMMENT RESERVES	
alibration Equipment used (Ma rimary Standards ower meter E4419B	TE critical for calibration)	Cal Date (Certificate No.)	Scheduled Calibration
alibration Equipment used (Ma rimary Standards ower meter E4419B ower sensor E4412A	BTE critical for calibration) ID # GB41293874	Cal Date (Certificate No.) 1-Apr-10 (No. 217-01136)	Scheduled Calibration Apr-11
alibration Equipment used (Ma rimary Standards ower meter E4419B ower sensor E4412A ower sensor E4412A	ID # GB41293874 MY41495277	Cal Date (Certificate No.) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136)	Scheduled Calibration Apr-11 Apr-11
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calibration Equipment used (Ma drimary Standards cower meter E4419B cower sensor E4412A cower sensor E4412A deference 3 dB Attenuator deference 20 dB Attenuator deference 30 dB Attenuator deference Probe ES3DV2	ID # GB41293874 MY41495277 MY41498087 SN: S5054 (3c) SN: S5086 (20b) SN: S5129 (30b)	Cal Date (Certificate No.) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136) 30-Mar-10 (No. 217-01159) 30-Mar-10 (No. 217-01161) 30-Mar-10 (No. 217-01160)	Scheduled Calibration Apr-11 Apr-11 Apr-11 Mar-11 Mar-11
alibration Equipment used (Ma rimary Standards ower meter E4419B ower sensor E4412A ower sensor E4412A eference 3 dB Attenuator eference 20 dB Attenuator eference 30 dB Attenuator eference Probe ES3DV2 AE4	ID # GB41293874 MY41495277 MY41498087 SN: S5054 (3c) SN: S5086 (20b) SN: S5129 (30b) SN: 3013	Cal Date (Certificate No.) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136) 30-Mar-10 (No. 217-01159) 30-Mar-10 (No. 217-01161) 30-Mar-10 (No. 217-01160) 30-Dec-09 (No. ES3-3013_Dec09)	Scheduled Calibration Apr-11 Apr-11 Apr-11 Mar-11 Mar-11 Dec-10
calibration Equipment used (Ma rimary Standards lower meter E4419B lower sensor E4412A lower sensor E4412A seference 3 dB Attenuator leference 20 dB Attenuator leference 30 dB Attenuator leference Probe ES3DV2 IAE4	ID # GB41293874 MY41495277 MY41498087 SN: S5054 (3c) SN: S5086 (20b) SN: S5129 (30b) SN: 3013 SN: 660	Cal Date (Certificate No.) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136) 30-Mar-10 (No. 217-01159) 30-Mar-10 (No. 217-01161) 30-Mar-10 (No. 217-01160) 30-Dec-09 (No. ES3-3013_Dec09) 20-Apr-10 (No. DAE4-660_Apr10)	Scheduled Calibration Apr-11 Apr-11 Apr-11 Mar-11 Mar-11 Dec-10 Apr-11
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Calibration Equipment used (Miles) Primary Standards Prower meter E4419B Prower sensor E4412A Prower sensor E4412A Reference 3 dB Attenuator Reference 20 dB Attenuator Reference Probe ES3DV2	ID # GB41293874 MY41495277 MY41498087 SN: S5054 (3c) SN: S5086 (20b) SN: S5129 (30b) SN: 3013 SN: 660 ID # US3642U01700	Cal Date (Certificate No.) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136) 1-Apr-10 (No. 217-01136) 30-Mar-10 (No. 217-01159) 30-Mar-10 (No. 217-01161) 30-Mar-10 (No. 217-01160) 30-Dec-09 (No. ES3-3013_Dec09) 20-Apr-10 (No. DAE4-660_Apr10) Check Date (in house)	Scheduled Calibration Apr-11 Apr-11 Apr-11 Mar-11 Mar-11 Dec-10 Apr-11 Scheduled Check In house check: Oct-11
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Certificate No: EX3-3536_Sep10

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Calibration Laboratory of

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





S Schweizerischer Kalibrierdienst Service suisse d'étalonnage

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Accreditation No.: SCS 108

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

Glossary:

TSL tissue simulating liquid
NORMx,y,z sensitivity in free space
ConvF sensitivity in TSL / NORMx,y,z
DCP diode compression point

CF crest factor (1/duty_cycle) of the RF signal A, B, C modulation dependent linearization parameters

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., 9 = 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:

- NORMx,y,z: Assessed for E-field polarization 9 = 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 with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- Ax,y,z; Bx,y,z; Cx,y,z, VRx,y,z: 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 ≤ 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.

EX3DV4 SN:3536 September 16, 2010

Probe EX3DV4

SN:3536

Manufactured:

April 30, 2004

Last calibrated: Recalibrated:

September 18, 2009

September 16, 2010

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

EX3DV4 SN:3536 September 16, 2010

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

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	0.45	0.42	0.36	± 10.1%
DCP (mV) ⁸	91.9	90.9	91.4	

Modulation Calibration Parameters

UID	Communication System Name	PAR		A dB	B dBuV	С	VR mV	Unc ^E (k=2)
10000	cw	0.00	Х	0.00	0.00	1.00	300	± 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%.

^{*} The uncertainties of NormX,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

^B Numerical linearization parameter; uncertainty not required.

E 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] ^C	Permittivity	Conductivity	ConvF X	ConvF Y	ConvF Z	Alpha	Depth Unc (k=2)
1950	±50/±100	$40.0 \pm 5\%$	$1.40 \pm 5\%$	7.77	7.77	7.77	0.54	0.71 ± 11.0%
2450	$\pm 50 / \pm 100$	39.2 ± 5%	1.80 ± 5%	7.26	7.26	7.26	0.37	0.86 ± 11.0%
2600	±50/±100	$39.0\pm5\%$	$1.96 \pm 5\%$	7.31	7.31	7.31	0.44	0.81 ± 11.0%
3500	± 50 / ± 100	$37.9 \pm 5\%$	$2.91 \pm 5\%$	7.58	7.58	7.58	0.33	1.10 ± 13.1%
5200	$\pm 50 / \pm 100$	$36.0 \pm 5\%$	4.66 ± 5%	5.42	5.42	5.42	0.30	1.90 ± 13.1%
5300	±50/±100	$35.9 \pm 5\%$	$4.76 \pm 5\%$	5.08	5.08	5.08	0.35	1.90 ± 13.1%
5600	±50/±100	$35.5 \pm 5\%$	$5.07 \pm 5\%$	4.86	4.86	4.86	0.45	1.90 ± 13.1%
5800	± 50 / ± 100	$35.3\pm5\%$	5.27 ± 5%	4.60	4.60	4.60	0.50	1.90 ± 13.1%

^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.

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

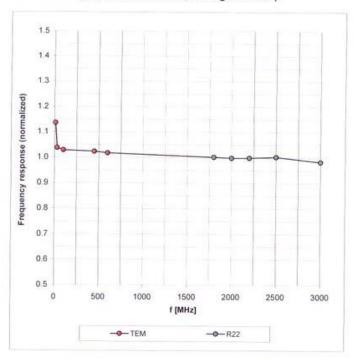
Calibration Parameter Determined in Body Tissue Simulating Media

Validity [MHz] ^C	Permittivity	Conductivity	ConvF X Co	nvF Y	ConvF Z	Alpha	Depth Unc (k=2)
±50/±100	$53.3 \pm 5\%$	1.52 ± 5%	7.89	7.89	7.89	0.74	0.61 ± 11.0%
\pm 50 / \pm 100	$52.7 \pm 5\%$	1.95 ± 5%	7.48	7.48	7.48	0.30	0.93 ± 11.0%
± 50 / ± 100	$52.5\pm5\%$	$2.16\pm5\%$	7.48	7.48	7.48	0.33	1.01 ± 11.0%
±50/±100	$51.3\pm5\%$	$3.31 \pm 5\%$	6.81	6.81	6.81	0.33	1.30 ± 13.1%
$\pm 50 / \pm 100$	49.0 ± 5%	5.30 ± 5%	4.36	4.36	4.36	0.60	1.95 ± 13.1%
\pm 50 / \pm 100	$48.9 \pm 5\%$	$5.42 \pm 5\%$	4.13	4.13	4.13	0.65	1.95 ± 13.1%
±50/±100	48.5 ± 5%	$5.77 \pm 5\%$	3.90	3.90	3.90	0.70	1.95 ± 13.1%
± 50 / ± 100	48.2 ± 5%	$6.00 \pm 5\%$	4.10	4.10	4.10	0.65	1.95 ± 13.1%
	± 50 /± 100 ± 50 /± 100	± 50 / ± 100 53.3 ± 5% ± 50 / ± 100 52.7 ± 5% ± 50 / ± 100 52.5 ± 5% ± 50 / ± 100 51.3 ± 5% ± 50 / ± 100 49.0 ± 5% ± 50 / ± 100 48.9 ± 5% ± 50 / ± 100 48.5 ± 5%	± 50 / ± 100 53.3 ± 5% 1.52 ± 5% ± 50 / ± 100 52.7 ± 5% 1.95 ± 5% ± 50 / ± 100 52.5 ± 5% 2.16 ± 5% ± 50 / ± 100 51.3 ± 5% 3.31 ± 5% ± 50 / ± 100 49.0 ± 5% 5.30 ± 5% ± 50 / ± 100 48.9 ± 5% 5.42 ± 5% ± 50 / ± 100 48.5 ± 5% 5.77 ± 5%	± 50 / ± 100 53.3 ± 5% 1.52 ± 5% 7.89 ± 50 / ± 100 52.7 ± 5% 1.95 ± 5% 7.48 ± 50 / ± 100 52.5 ± 5% 2.16 ± 5% 7.48 ± 50 / ± 100 51.3 ± 5% 3.31 ± 5% 6.81 ± 50 / ± 100 49.0 ± 5% 5.30 ± 5% 4.36 ± 50 / ± 100 48.9 ± 5% 5.42 ± 5% 4.13 ± 50 / ± 100 48.5 ± 5% 5.77 ± 5% 3.90	±50/±100 53.3±5% 1.52±5% 7.89 7.89 ±50/±100 52.7±5% 1.95±5% 7.48 7.48 ±50/±100 52.5±5% 2.16±5% 7.48 7.48 ±50/±100 51.3±5% 3.31±5% 6.81 6.81 ±50/±100 49.0±5% 5.30±5% 4.36 4.36 ±50/±100 48.9±5% 5.42±5% 4.13 4.13 ±50/±100 48.5±5% 5.77±5% 3.90 3.90	±50/±100 53.3±5% 1.52±5% 7.89 7.89 7.89 ±50/±100 52.7±5% 1.95±5% 7.48 7.48 7.48 ±50/±100 52.5±5% 2.16±5% 7.48 7.48 7.48 ±50/±100 51.3±5% 3.31±5% 6.81 6.81 6.81 ±50/±100 49.0±5% 5.30±5% 4.36 4.36 4.36 ±50/±100 48.9±5% 5.42±5% 4.13 4.13 4.13 ±50/±100 48.5±5% 5.77±5% 3.90 3.90 3.90	±50/±100 53.3±5% 1.52±5% 7.89 7.89 7.89 0.74 ±50/±100 52.7±5% 1.95±5% 7.48 7.48 7.48 0.30 ±50/±100 52.5±5% 2.16±5% 7.48 7.48 7.48 0.33 ±50/±100 51.3±5% 3.31±5% 6.81 6.81 6.81 0.33 ±50/±100 49.0±5% 5.30±5% 4.36 4.36 4.36 0.60 ±50/±100 48.9±5% 5.42±5% 4.13 4.13 4.13 0.65 ±50/±100 48.5±5% 5.77±5% 3.90 3.90 3.90 0.70

^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.

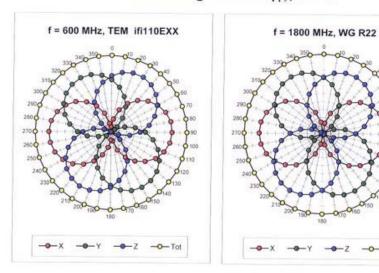
Frequency Response of E-Field

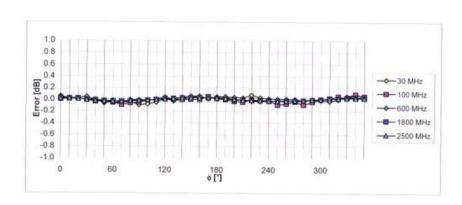
(TEM-Cell:ifi110 EXX, Waveguide: R22)



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

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

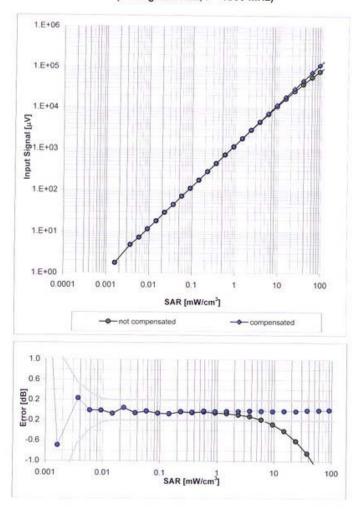




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

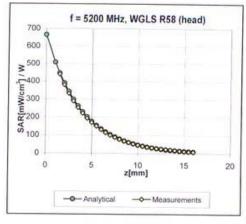
Dynamic Range f(SAR_{head})

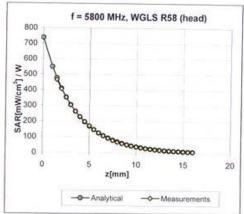
(Waveguide R22, f = 1800 MHz)



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

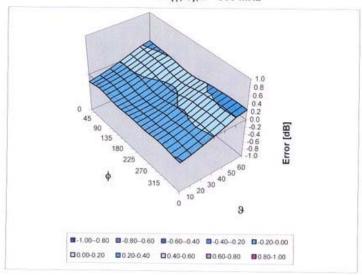
Conversion Factor Assessment





Deviation from Isotropy in HSL

Error (φ, θ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 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_D2450V2_SN709_1209

Object: D2450V2 SN: 709

Date of Calibration: December 09, 2009

Next Calibration: December 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. (ISO/IEC 17025, 1-1784162174-1)	Dec 10
Power Sensor E9301H	US40010212	Dec 08	Agilent Techn. (ISO/IEC 17025, 1-1784041195-1)	Dec 10
Powermeter E4417A	GB41050441	Dec 08	Agilent Techn. (ISO/IEC 17025, 1-1674038198-1)	Dec 10
Power Sensor E9301A	MY41495584	Dec 08	Agilent Techn. (ISO/IEC 17025, 1-1784041307-1)	Dec 10
Network Analyzer E5071C	MY46103220	Aug 09	Rohde& Schwarz (14967-DKD-00201- 2009-08)	Aug 10
Reference Probe EX3DV4	SN 3536	Sep 09	SPEAG, No EX- 3536_Sep09	Sep 10
DAE4	SN 661	Sep 09	SPEAG, No DAE4- 661_Sep09	Sep 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 wit 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:

reviewed by:

André van den Bosch quality assurance engineer

a.d. Box

test engineer

Alexander Rahn

Measurement Conditions

DASY Version: Dasy 4; V4.7

Phantom: SAM Phantom 1341

Distance Dipole Center – TSL: 10mm With spacer

Zoom Scan res. dx, dy, dz = 5mm

Frequency: 2450 MHz ± 1MHz

	Head TSL Paramete	rs	
	Temperature	Permittivity	Conductivity
Nominal Head TSL Parameters	22.0	39.20	1.80
Measured Head TSL Parameters	22.0	40.2 ± 6%	1.84 S/m ± 6%

	SAR result with Head TSL					
over	SAR measured	250mW input power	13.60 mW/g			
ed ov	SAR normalized	normalized to 1W	54.40 mW/g			
Averaged of	SAR for nominal Head TSL parameters	normalized to 1W	54.58 mW/g ± 16.5 % k=2)			
over	SAR measured	250mW input power	6.16 mW/g			
ed ov	SAR normalized	normalized to 1W	24.64 mW/g			
Averaged 10g	SAR for nominal Head TSL parameters	normalized to 1W	24.78 mW/g ± 16.5 % (k=2)			

Body TSL Parameters					
	Temperature	Permittivity	Conductivity		
Nominal Body TSL Parameters	22.0	52.70	1.95		
Measured Body TSL Parameters	22.0	51.70 ± 6%	2.00 S/m ± 6%		

	SAR result with Body TSL					
over	SAR measured	250mW input power	13.20 mW/g			
o pe	SAR normalized	normalized to 1W	52.80 mW/g			
Averaged of 19	SAR for nominal Body TSL parameters	normalized to 1W	51.76 mW/g ± 16.5 % (k=2)			
er	SAR measured	250mW input power	6.01 mW/g			
yo ba	SAR normalized	normalized to 1W	24.04 mW/g			
Averaged over 10g	SAR for nominal Body TSL parameters	normalized to 1W	23.81 mW/g ± 16.5 % (k=2)			

General Antenna Parmeters				
Antenna Parameters with Head	Impedance, transformed to feed point	49.7 jΩ - 1.23 jΩ		
TSL	Return Loss	-37.97 dB		
Antenna Parameter with Body	Impedance, transformed to feed point	50.8 jΩ - 1.27 jΩ		
TSL	Return Loss	-36.55 dB		

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 semigrid 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.

Additional EUT Data	
Manufactured by:	SPEAG
Manufactured on:	July 5, 2002

SAR result with Head TSL

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: <u>091209_y_3536.da4</u>

DUT: Dipole 2450 MHz SN: 709; Type: D2450V2; Serial: D2450V2 - SN:709

Program Name: System Performance Check at 2450 MHz

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; $\sigma = 1.84 \text{ mho/m}$; $\varepsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3536; ConvF(7.59, 7.59, 7.59); Calibrated: 18.09.2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 14.09.2009
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- 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

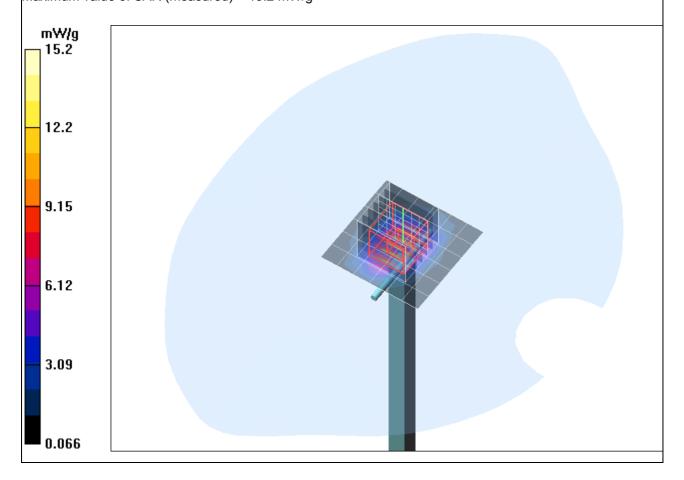
Maximum value of SAR (measured) = 15.3 mW/g

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

Reference Value = 91.4 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.16 mW/g Maximum value of SAR (measured) = 15.2 mW/g



SAR result with Body TSL

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 081209_y_3536.da4

DUT: Dipole 2450 MHz SN: 709; Type: D2450V2; Serial: D2450V2 - SN:709

Program Name: System Performance Check at 2450 MHz

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; σ = 2 mho/m; ε_r = 51.7; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 SN3536; ConvF(7.57, 7.57, 7.57); Calibrated: 18.09.2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 14.09.2009
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- 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) = 15.0 mW/g

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

Reference Value = 86.9 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 13.2 mW/g; SAR(10 g) = 6.01 mW/g Maximum value of SAR (measured) = 15.1 mW/g

