
APPENDIX C: RELEVANT PAGES FROM PROBE CALIBRATION REPORT(S)

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



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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 **Nokia SD TCC**

Certificate No: **ET3-1504_Aug07**

CALIBRATION CERTIFICATE

Object: **ET3DV6 - SN:1504**

Calibration procedure(s): **QA CAL-01.v6
Calibration procedure for dosimetric E-field probes**

Calibration date: **August 29, 2007**

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 (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Power sensor E4412A	MY41495277	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Power sensor E4412A	MY41498087	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Reference 3 dB Attenuator	SN: S5054 (3c)	8-Aug-07 (METAS, No. 217-00719)	Aug-08
Reference 20 dB Attenuator	SN: S5086 (20b)	29-Mar-07 (METAS, No. 217-00671)	Mar-08
Reference 30 dB Attenuator	SN: S5129 (30b)	8-Aug-07 (METAS, No. 217-00720)	Aug-08
Reference Probe ES3DV2	SN: 3013	4-Jan-07 (SPEAG, No. ES3-3013_Jan07)	Jan-08
DAE4	SN: 654	20-Apr-07 (SPEAG, No. DAE4-654_Apr07)	Apr-08

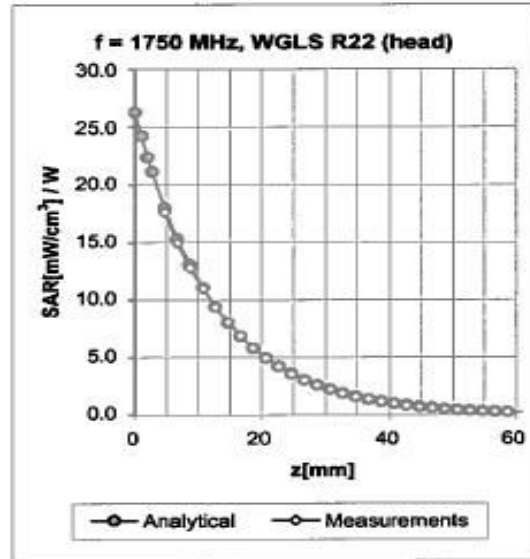
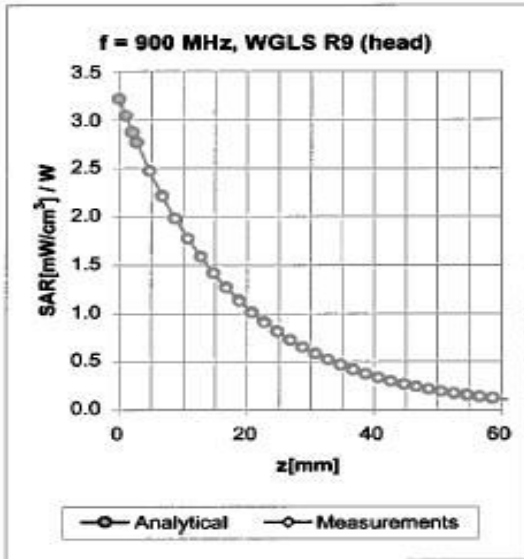
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Nov-05)	in house check: Nov-07
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Oct-06)	in house check: Oct-07

	Name	Function	Signature
Calibrated by:	Katja Pokovic	Technical Manager	
Approved by:	Niels Kuster	Quality Manager	

Issued: August 29, 2007

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

Conversion Factor Assessment



f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
835	± 50 / ± 99	Head	41.5 ± 5%	0.90 ± 5%	0.38	2.40	6.52 ± 11.0% (k=2)
900	± 50 / ± 100	Head	41.5 ± 5%	0.97 ± 5%	0.31	2.63	6.40 ± 11.0% (k=2)
1750	± 50 / ± 100	Head	40.1 ± 5%	1.37 ± 5%	0.53	2.60	5.25 ± 11.0% (k=2)
1900	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.59	2.50	5.09 ± 11.0% (k=2)
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.80	1.73	4.63 ± 11.8% (k=2)
835	± 50 / ± 100	Body	55.2 ± 5%	0.97 ± 5%	0.36	2.46	6.27 ± 11.0% (k=2)
900	± 50 / ± 100	Body	55.0 ± 5%	1.05 ± 5%	0.32	2.84	6.00 ± 11.0% (k=2)
1750	± 50 / ± 100	Body	53.4 ± 5%	1.49 ± 5%	0.61	2.63	4.78 ± 11.0% (k=2)
1900	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.74	2.36	4.60 ± 11.0% (k=2)
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.71	2.12	4.02 ± 11.8% (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.

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Accreditation No.: **SCS 108**

Client **Nokia SD TCC**

Certificate No: **ET3-1505_Aug07**

CALIBRATION CERTIFICATE

Object **ET3DV6 - SN:1505**

Calibration procedure(s) **QA CAL-01.v6
Calibration procedure for dosimetric E-field probes**

Calibration date: **August 29, 2007**

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)

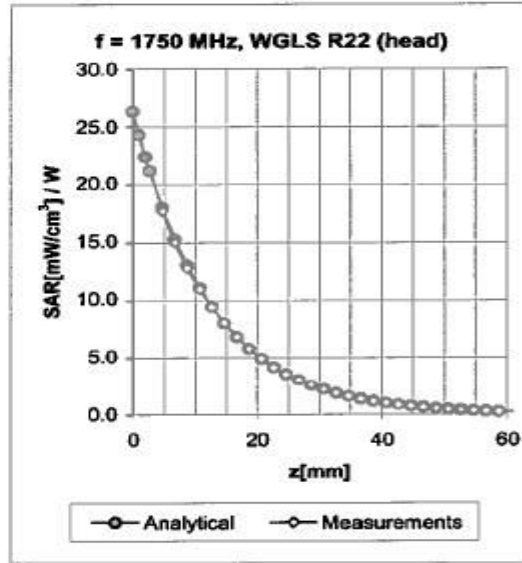
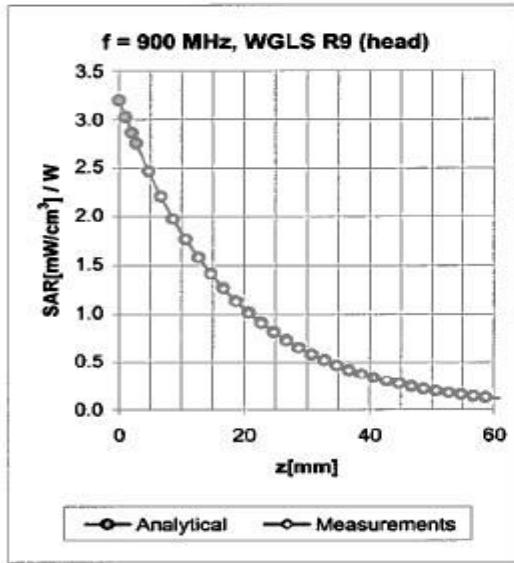
Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Power sensor E4412A	MY41495277	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Power sensor E4412A	MY41498087	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Reference 3 dB Attenuator	SN: S5054 (3c)	8-Aug-07 (METAS, No. 217-00719)	Aug-08
Reference 20 dB Attenuator	SN: S5086 (20b)	29-Mar-07 (METAS, No. 217-00671)	Mar-08
Reference 30 dB Attenuator	SN: S5129 (30b)	8-Aug-07 (METAS, No. 217-00720)	Aug-08
Reference Probe ES3DV2	SN: 3013	4-Jan-07 (SPEAG, No. ES3-3013_Jan07)	Jan-08
DAE4	SN: 654	20-Apr-07 (SPEAG, No. DAE4-654_Apr07)	Apr-08
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Nov-05)	In house check: Nov-07
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Oct-06)	In house check: Oct-07

	Name	Function	Signature
Calibrated by:	Katja Pokovic	Technical Manager	
Approved by:	Niels Kuster	Quality Manager	

Issued: August 29, 2007

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Conversion Factor Assessment



f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
835	± 50 / ± 99	Head	41.5 ± 5%	0.90 ± 5%	0.31	2.54	6.86 ± 11.0% (k=2)
900	± 50 / ± 100	Head	41.5 ± 5%	0.97 ± 5%	0.34	2.42	6.75 ± 11.0% (k=2)
1750	± 50 / ± 100	Head	40.1 ± 5%	1.37 ± 5%	0.46	2.74	5.35 ± 11.0% (k=2)
1900	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.51	2.63	5.17 ± 11.0% (k=2)
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.52	2.11	4.61 ± 11.8% (k=2)
835	± 50 / ± 100	Body	55.2 ± 5%	0.97 ± 5%	0.29	2.72	6.49 ± 11.0% (k=2)
900	± 50 / ± 100	Body	55.0 ± 5%	1.05 ± 5%	0.31	2.73	6.21 ± 11.0% (k=2)
1750	± 50 / ± 100	Body	53.4 ± 5%	1.49 ± 5%	0.53	2.78	4.81 ± 11.0% (k=2)
1900	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.65	2.41	4.65 ± 11.0% (k=2)
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.51	2.50	3.95 ± 11.8% (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.

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Accreditation No.: **SCS 108**

Client **Nokia SD**

Certificate No: **ET3-1516_Nov07**

CALIBRATION CERTIFICATE

Object **ET3DV6 - SN:1516**

Calibration procedure(s) **QA CAL-01.v6
Calibration procedure for dosimetric E-field probes**

Calibration date: **November 12, 2007**

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)

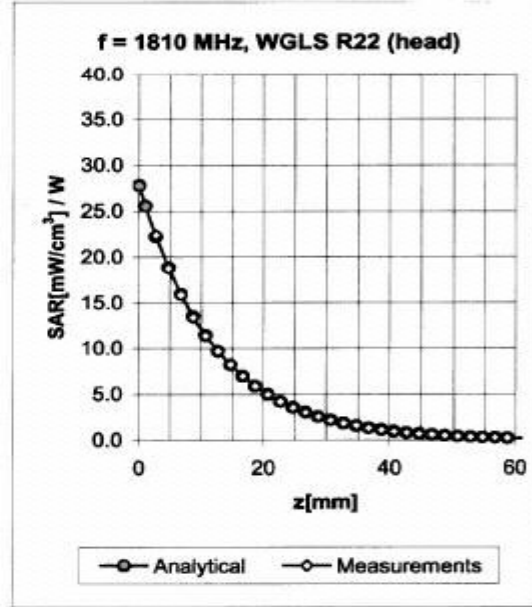
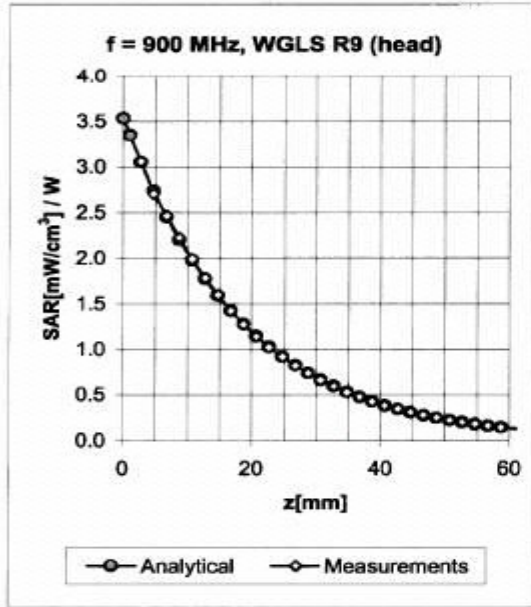
Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Power sensor E4412A	MY41495277	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Power sensor E4412A	MY41498087	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Reference 3 dB Attenuator	SN: S5054 (3c)	8-Aug-07 (METAS, No. 217-00719)	Aug-08
Reference 20 dB Attenuator	SN: S5086 (20b)	29-Mar-07 (METAS, No. 217-00671)	Mar-08
Reference 30 dB Attenuator	SN: S5129 (30b)	8-Aug-07 (METAS, No. 217-00720)	Aug-08
Reference Probe ES3DV2	SN: 3013	4-Jan-07 (SPEAG, No. ES3-3013_Jan07)	Jan-08
DAE4	SN: 654	20-Apr-07 (SPEAG, No. DAE4-654_Apr07)	Apr-08
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Oct-07)	in house check: Oct-09
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Oct-07)	in house check: Oct-08

Calibrated by:	Name	Function	Signature
	Katja Pokovic	Technical Manager	
Approved by:	Niels Kuster	Quality Manager	

issued: November 12, 2007

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Conversion Factor Assessment



f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
900	± 50 / ± 100	Head	41.5 ± 5%	0.97 ± 5%	0.72	2.07	6.45 ± 11.0% (k=2)
1810	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.63	2.19	5.24 ± 11.0% (k=2)
1950	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.96	1.75	4.96 ± 11.0% (k=2)
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.92	1.71	4.47 ± 11.8% (k=2)
900	± 50 / ± 100	Body	55.0 ± 5%	1.05 ± 5%	0.79	1.94	6.01 ± 11.0% (k=2)
1810	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.73	2.35	4.87 ± 11.0% (k=2)
1950	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.64	2.49	4.56 ± 11.0% (k=2)
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.63	2.50	4.21 ± 11.8% (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.

APPENDIX D: RELEVANT PAGES FROM DIPOLE VALIDATION KIT REPORT(S)

Calibration Laboratory of
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Accreditation No.: **SCS 108**

Client **Nokia SD TCC**

Certificate No: **D835V2-487_Nov06**

CALIBRATION CERTIFICATE

Object **D835V2 - SN: 487**

Calibration procedure(s) **QA CAL-05.v6**
Calibration procedure for dipole validation kits

Calibration date: **November 21, 2006**

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 (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter EPM-442A	GB37480704	03-Oct-06 (METAS, No. 217-00608)	Oct-07
Power sensor HP 8481A	US37292783	03-Oct-06 (METAS, No. 217-00608)	Oct-07
Reference 20 dB Attenuator	SN: 5086 (20g)	10-Aug-06 (METAS, No 217-00591)	Aug-07
Reference 10 dB Attenuator	SN: 5047.2 (10r)	10-Aug-06 (METAS, No 217-00591)	Aug-07
Reference Probe ET3DV6 (HF)	SN 1507	19-Oct-06 (SPEAG, No. ET3-1507_Oct06)	Oct-07
DAE4	SN 601	15-Dec-05 (SPEAG, No. DAE4-601_Dec05)	Dec-06
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (SPEAG, in house check Oct-05)	In house check: Oct-07
RF generator Agilent E4421B	MY41000675	11-May-05 (SPEAG, in house check Nov-05)	In house check: Nov-07
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (SPEAG, in house check Oct-06)	In house check: Oct-07

Calibrated by: **Name** Mike Meili **Function** Laboratory Technician **Signature**

Approved by: **Name** Katja Pokovic **Function** Technical Manager **Signature**

Issued: November 23, 2006

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

DASY4 Validation Report for Head TSL

Date/Time: 21.11.2006 12:57:12

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 487

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL 900 MHz;

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1507 (HF); ConvF(6.09, 6.09, 6.09); Calibrated: 19.10.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 15.12.2005
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Pin = 250 mW; d = 15 mm/Zoom Scan (7x7x7)/Cube 0:

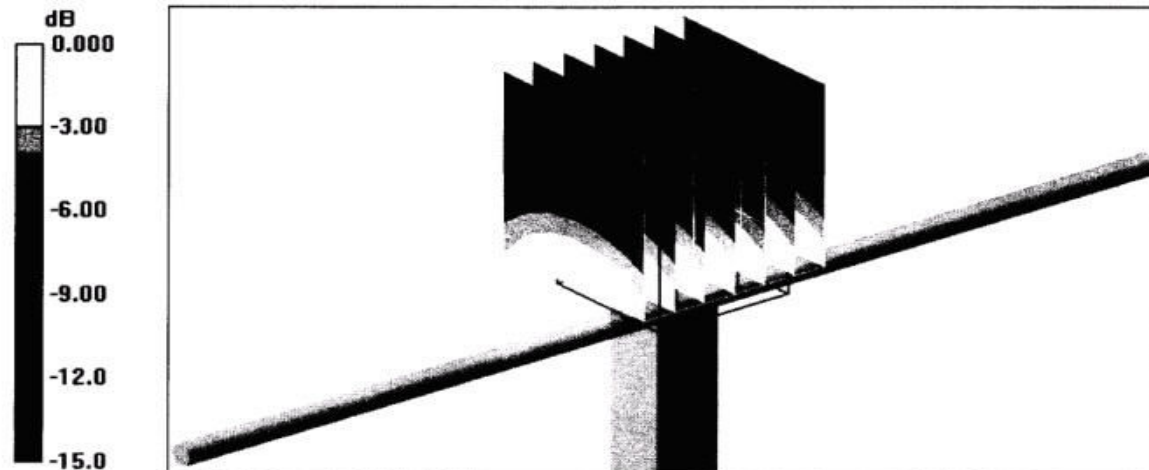
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.8 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 3.32 W/kg

SAR(1 g) = 2.29 mW/g; SAR(10 g) = 1.51 mW/g

Maximum value of SAR (measured) = 2.48 mW/g



0 dB = 2.48mW/g

DASY4 Validation Report for Body TSL

Date/Time: 14.11.2006 13:02:09

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:487

Communication System: CW-835; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL900;

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1507 (HF); ConvF(5.75, 5.75, 5.75); Calibrated: 19.10.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 15.12.2005
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Pin = 250 mW; d = 15 mm/Zoom Scan (7x7x7)/Cube 0:

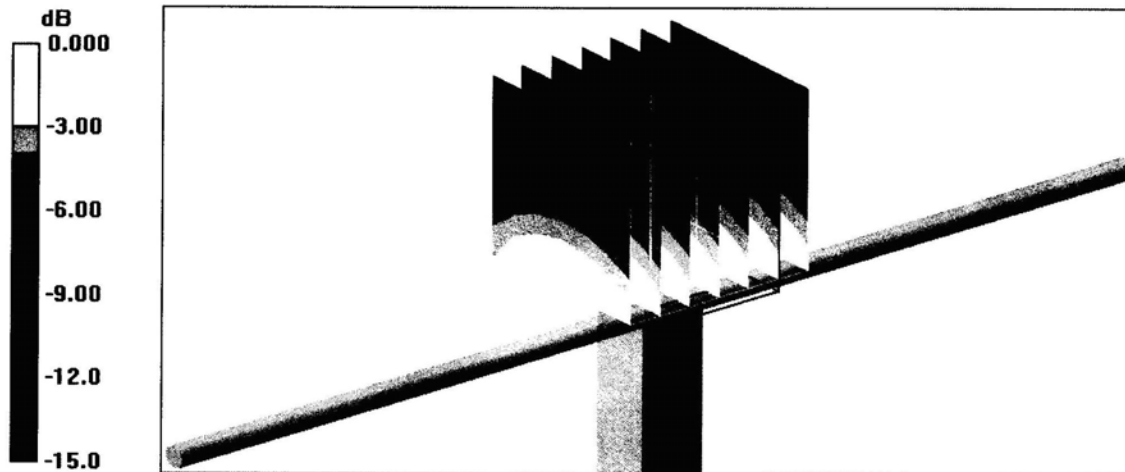
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.1 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.62 mW/g

Maximum value of SAR (measured) = 2.64 mW/g



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Accreditation No.: **SCS 108**

Client **Nokia SD TCC**

Certificate No: **D1800V2-2d064_Aug07**

CALIBRATION CERTIFICATE

Object: **D1800V2 - SN: 2d064**

Calibration procedure(s): **QA CAL-05.v7
Calibration procedure for dipole validation kits**

Calibration date: **August 28, 2007**



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 (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter EPM-442A	GB37480704	03-Oct-06 (METAS, No. 217-00608)	Oct-07
Power sensor HP 8481A	US37292783	03-Oct-06 (METAS, No. 217-00608)	Oct-07
Reference 20 dB Attenuator	SN: 5086 (20g)	07-Aug-07 (METAS, No 217-00718)	Aug-08
Reference 10 dB Attenuator	SN: 5047.2 (10r)	07-Aug-07 (METAS, No 217-00718)	Aug-08
Reference Probe ET3DV6	SN: 1507	19-Oct-06 (SPEAG, No. ET3-1507_Oct06)	Oct-07
DAE4	SN 601	30-Jan-07 (SPEAG, No. DAE4-601_Jan07)	Jan-08
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (SPEAG, in house check Oct-05)	In house check: Oct-07
RF generator Agilent E4421B	MY41000675	11-May-05 (SPEAG, in house check Nov-05)	In house check: Nov-07
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (SPEAG, in house check Oct-06)	In house check: Oct-07

Calibrated by:	Name Marcel Fehr	Function Laboratory Technician	Signature 
Approved by:	Name Katja Pokovic	Function Technical Manager	Signature 

Issued: August 28, 2007

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

DASY4 Validation Report for Head TSL

Date/Time: 28.08.2007 12:05:10

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d064

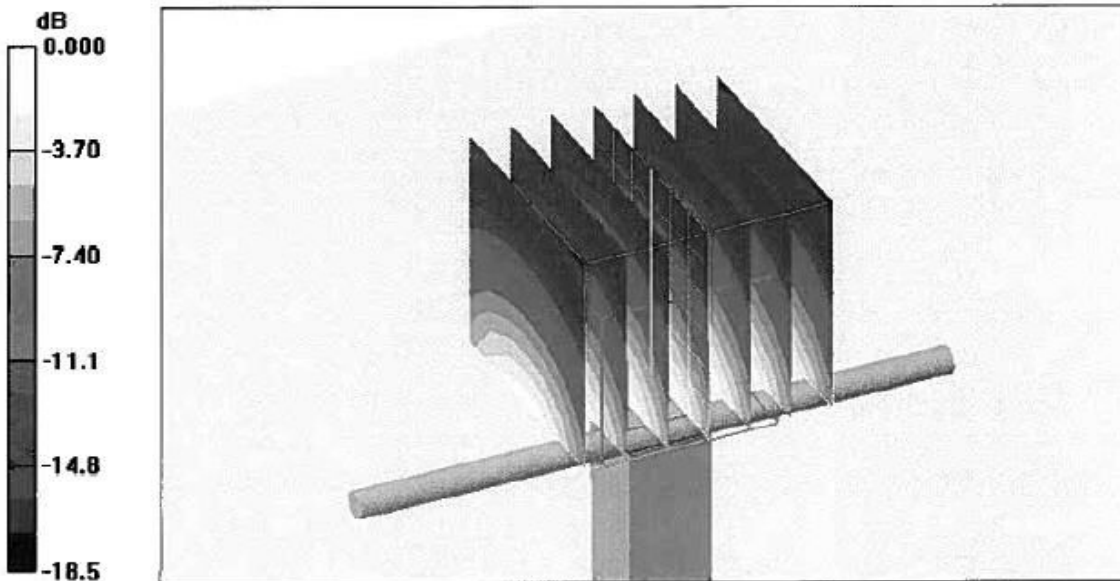
Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1
Medium: HSL U10 BB;
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1507 (HF); ConvF(5.03, 5.03, 5.03); Calibrated: 19.10.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.01.2007
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; ;
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Pin = 250 mW; d = 10 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.1 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 9.7 mW/g; SAR(10 g) = 5.14 mW/g
Maximum value of SAR (measured) = 11.0 mW/g



0 dB = 11.0mW/g

DASY4 Validation Report for Body TSL

Date/Time: 28.08.2007 15:38:17

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d064

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: MSL U10 BB;

Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1507 (HF); ConvF(4.47, 4.47, 4.47); Calibrated: 19.10.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.01.2007
- Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; ;
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Pin = 250 mW; d = 10 mm/Zoom Scan (7x7x7)/Cube 0:

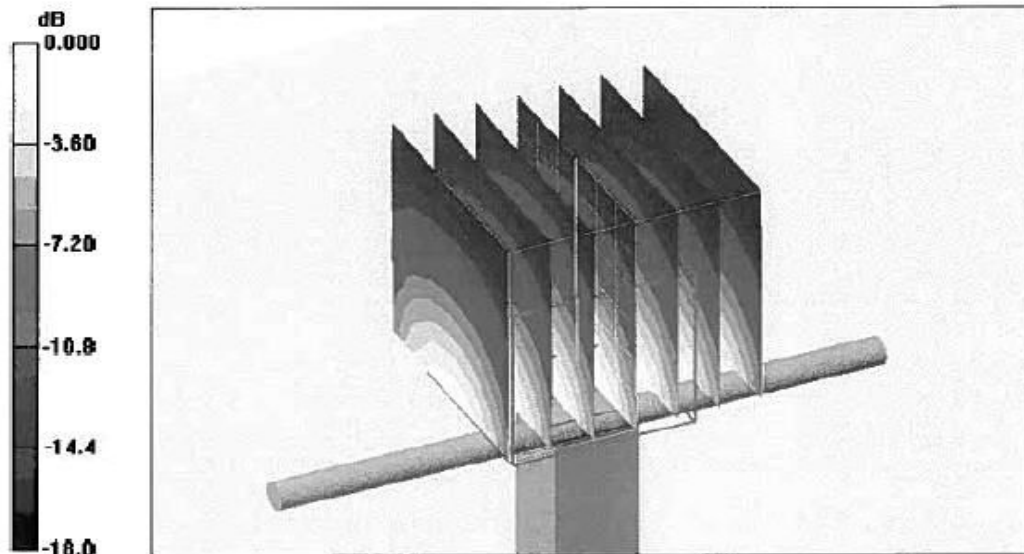
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.7 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 9.39 mW/g; SAR(10 g) = 5.14 mW/g

Maximum value of SAR (measured) = 10.6 mW/g



0 dB = 10.6mW/g

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



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Client **Nokia SD TCC**

Certificate No: **D1800V2-2d063_Sep06**

CALIBRATION CERTIFICATE

Object: **D1800V2 - SN: 2d063**

Calibration procedure(s): **QA CAL-05.v6
Calibration procedure for dipole validation kits**

Calibration date: **September 20, 2006**

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 (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter EPM-442A	GB37480704	04-Oct-05 (METAS, No. 251-00516)	Oct-06
Power sensor HP 8481A	US37292783	04-Oct-05 (METAS, No. 251-00516)	Oct-06
Reference 20 dB Attenuator	SN: 5086 (20g)	10-Aug-06 (METAS, No 217-00591)	Aug-07
Reference 10 dB Attenuator	SN: 5047.2 (10r)	10-Aug-06 (METAS, No 217-00591)	Aug-07
Reference Probe ET3DV6	SN: 1507	28-Oct-05 (SPEAG, No. ET3-1507_Oct05)	Oct-06
Reference Probe ES3DV3	SN: 3025	28-Oct-05 (SPEAG, No. ES3-3025_Oct05)	Oct-06
DAE4	SN: 601	15-Dec-05 (SPEAG, No. DAE4-601_Dec05)	Dec-06
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (SPEAG, in house check Oct-05)	In house check: Oct-07
RF generator Agilent E4421B	MY41000675	11-May-05 (SPEAG, in house check Nov-05)	In house check: Nov-07
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (SPEAG, in house check Nov-05)	In house check: Nov-06

Calibrated by:	Name Marcel Fehr	Function Laboratory Technician	Signature
Approved by:	Name Katja Pokovic	Function Technical Manager	Signature

Issued: September 20, 2006

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

DASY4 Validation Report for Head TSL

Date/Time: 13.09.2006 12:17:34

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: SN:2d063

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: HSL U10 BB;

Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1507 (HF); ConvF(4.85, 4.85, 4.85); Calibrated: 28.10.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 15.12.2005
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; ;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Pin = 250 mW; d = 10 mm/Zoom Scan (7x7x7)/Cube 0:

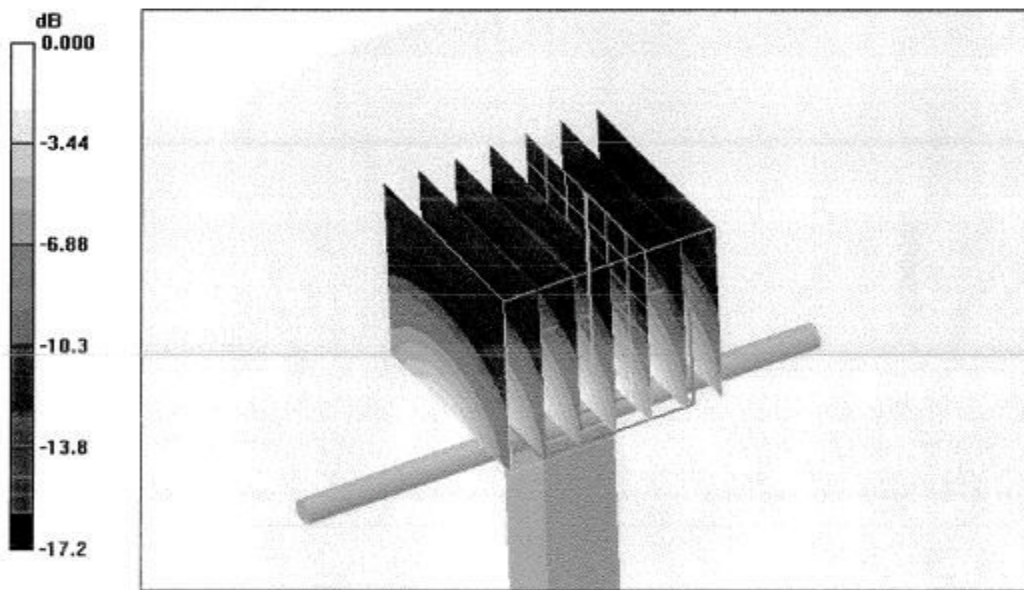
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 95.5 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 9.57 mW/g; SAR(10 g) = 5.12 mW/g

Maximum value of SAR (measured) = 10.6 mW/g



0 dB = 10.6mW/g

DASY4 Validation Report for Body TSL

Date/Time: 20.09.2006 15:39:47

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: SN: 2d063

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: MSL U10;

Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3025 (HF); ConvF(4.45, 4.45, 4.45); Calibrated: 28.10.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 15.12.2005
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; ;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Pin = 250 mW; d = 10 mm/Zoom Scan (7x7x7)/Cube 0:

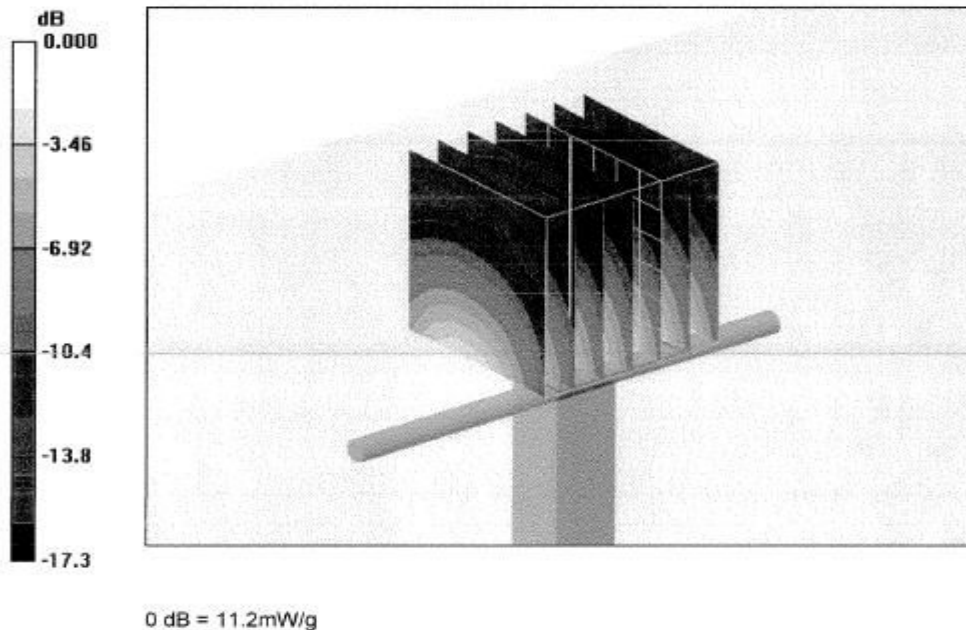
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 87.8 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.47 mW/g

Maximum value of SAR (measured) = 11.2 mW/g



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



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Accredited by the Swiss Federal Office of Metrology and Accreditation
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 **Nokia SD TCC**

Certificate No: **D1900V2-534_Sep06**

CALIBRATION CERTIFICATE

Object: **D1900V2 - SN: 534**

Calibration procedure(s): **QA CAL-05.v6
Calibration procedure for dipole validation kits**

Calibration date: **September 20, 2006**



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 (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter EPM-442A	GB37480704	04-Oct-05 (METAS, No. 251-00516)	Oct-06
Power sensor HP 8481A	US37292783	04-Oct-05 (METAS, No. 251-00516)	Oct-06
Reference 20 dB Attenuator	SN: 5086 (20g)	10-Aug-06 (METAS, No 217-00591)	Aug-07
Reference 10 dB Attenuator	SN: 5047.2 (10r)	10-Aug-06 (METAS, No 217-00591)	Aug-07
Reference Probe ET3DV6	SN: 1507	28-Oct-05 (SPEAG, No. ET3-1507_Oct05)	Oct-06
Reference Probe ES3DV3	SN: 3025	28-Oct-05 (SPEAG, No. ES3-3025_Oct05)	Oct-06
DAE4	SN: 601	15-Dec-05 (SPEAG, No. DAE4-601_Dec05)	Dec-06
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (SPEAG, in house check Oct-05)	In house check: Oct-07
RF generator Agilent E4421B	MY41000675	11-May-05 (SPEAG, in house check Nov-05)	In house check: Nov-07
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (SPEAG, in house check Nov-05)	In house check: Nov-06

Calibrated by:	Name Marcel Fehr	Function Laboratory Technician	Signature 
Approved by:	Name Katja Pokovic	Function Technical Manager	Signature 

Issued: September 20, 2006

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

DASY4 Validation Report for Head TSL

Date/Time: 13.09.2006 15:19:52

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:534

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

Medium: HSL U10 BB;

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1507 (HF); ConvF(4.74, 4.74, 4.74); Calibrated: 28.10.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 15.12.2005
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; ;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Pin = 250 mW; d = 10 mm/Zoom Scan (7x7x7)/Cube 0:

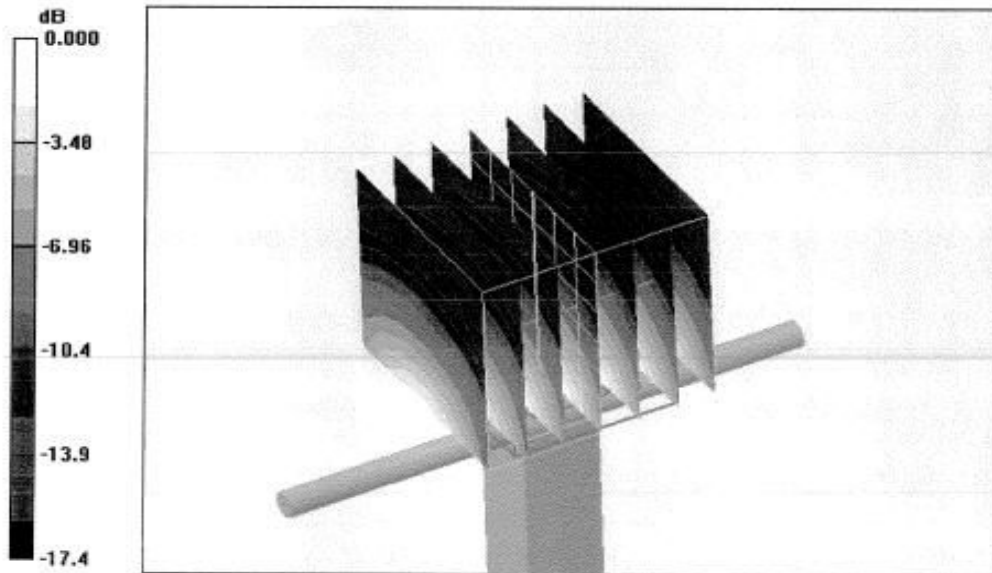
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.2 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 9.38 mW/g; SAR(10 g) = 4.97 mW/g

Maximum value of SAR (measured) = 10.5 mW/g



0 dB = 10.5mW/g

DASY4 Validation Report for Body TSL

Date/Time: 20.09.2006 10:57:32

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:534

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

Medium: MSL U10;

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3025 (HF); ConvF(4.38, 4.38, 4.38); Calibrated: 28.10.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 15.12.2005
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; ;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Pin = 250 mW; d = 10 mm/Zoom Scan (7x7x7)/Cube 0:

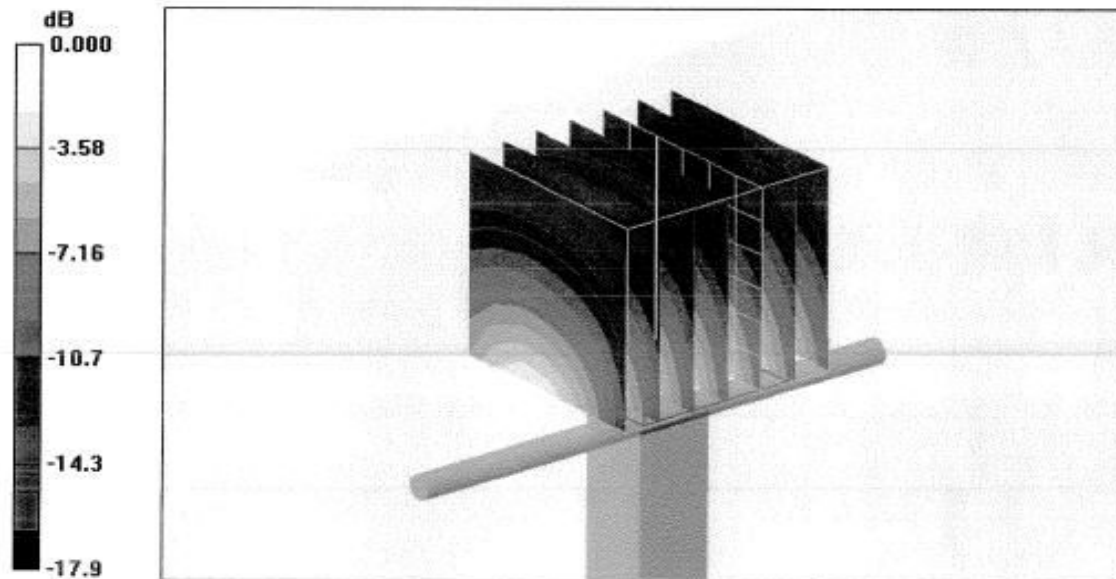
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.6 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.37 mW/g

Maximum value of SAR (measured) = 11.2 mW/g



0 dB = 11.2mW/g

APPENDIX E: CONDUCTED POWER MEASUREMENTS FOR SUPPORTED TRANSMISSION MODES

Test Laboratory: TCC Nokia
Type: RM-375; Serial: A0000001269B43C

CDMA800 Flip Open

Radio Configuration	Service Options and Channel Configurations	Supported	Ch 1013	Ch 384	Ch 777
			824.70 MHz	836.52 MHz	848.31 MHz
			Pavg (dBm)	Pavg (dBm)	Pavg (dBm)
RC1	S01	no	-	-	-
RC1	S02	yes	24.50	24.35	23.51
RC1	S03	yes	24.62	24.50	23.71
RC1	S055	yes	24.50	24.43	23.60
RC2	S09	yes	24.50	24.39	23.53
RC2	S017	yes	24.56	24.57	23.79
RC2	S055	yes	24.45	24.38	23.55
RC3	S01	no	-	-	-
RC3	S02	yes	24.57	24.47	23.60
RC3	S03	yes	24.64	24.52	23.70
RC3	S032 (no SCH1)	no	-	-	-
RC3	S032 (SCH1 9.6 kpbs)	yes	23.75	23.81	22.99
RC3	S032 (SCH1 19.2 kpbs)	yes	23.82	23.82	22.93
RC3	S032 (SCH1 38.4 kpbs)	yes	24.02	24.08	23.24
RC3	S032 (SCH1 76.8 kpbs)	yes	24.01	24.05	23.22
RC3	S032 (SCH1 153.6 kpbs)	yes	24.23	24.25	23.41
RC3	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC3	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC3	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC3	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC3	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC3	S055	yes	24.55	24.54	23.66
RC4	S01	no	-	-	-
RC4	S02	yes	24.52	24.52	23.65
RC4	S03	yes	24.63	24.51	23.72
RC4	S032 (no SCH1)	yes	-	-	-
RC4	S032 (SCH1 9.6 kpbs)	yes	23.80	23.85	22.99
RC4	S032 (SCH1 19.2 kpbs)	yes	23.82	23.82	22.97
RC4	S032 (SCH1 38.4 kpbs)	yes	23.89	23.95	23.10
RC4	S032 (SCH1 76.8 kpbs)	yes	24.16	24.10	23.19
RC4	S032 (SCH1 153.6 kpbs)	yes	24.36	24.15	23.39
RC4	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC4	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC4	S033 (SCH1 38.4 kpbs)	no	-	-	-

RC4	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC4	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC4	S055	yes	24.57	24.56	23.69
RC5	S09	yes	24.63	24.55	23.68
RC5	S17	yes	24.60	24.49	23.71
RC5	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC5	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC5	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC5	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC5	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC5	S055	yes	24.58	24.49	23.63

CDMA1700/2100 Flip Open

Radio Configuration	Service Options and Channel Configurations	Supported	Ch 25	Ch 425	Ch 875
			1711.25 MHz	1732.5 MHz	1753.75 MHz
			Pavg (dBm)	Pavg (dBm)	Pavg (dBm)
RC1	S01	no	-	-	-
RC1	S02	yes	23.34	23.54	23.45
RC1	S03	yes	23.49	23.60	23.61
RC1	S055	yes	23.24	23.47	23.35
RC2	S09	yes	23.35	23.55	23.41
RC2	S017	yes	23.36	23.49	23.51
RC2	S055	yes	23.25	23.47	23.37
RC3	S01	no	-	-	-
RC3	S02	yes	23.35	23.57	23.44
RC3	S03	yes	23.42	23.57	23.51
RC3	S032 (no SCH1)	no	-	-	-
RC3	S032 (SCH1 9.6 kpbs)	yes	22.61	22.79	22.76
RC3	S032 (SCH1 19.2 kpbs)	yes	22.65	22.83	22.80
RC3	S032 (SCH1 38.4 kpbs)	yes	22.81	23.00	22.96
RC3	S032 (SCH1 76.8 kpbs)	yes	23.06	23.21	23.03
RC3	S032 (SCH1 153.6 kpbs)	yes	23.19	23.29	23.25
RC3	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC3	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC3	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC3	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC3	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC3	S055	yes	23.35	23.50	23.45
RC4	S01	no	-	-	-
RC4	S02	yes	23.36	23.56	23.45
RC4	S03	yes	23.41	23.62	23.48
RC4	S032 (no SCH1)	no	-	-	-

RC4	S032 (SCH1 9.6 kpbs)	yes	22.65	22.80	22.78
RC4	S032 (SCH1 19.2 kpbs)	yes	22.70	22.81	22.82
RC4	S032 (SCH1 38.4 kpbs)	yes	22.84	23.01	22.97
RC4	S032 (SCH1 76.8 kpbs)	yes	22.93	23.05	23.05
RC4	S032 (SCH1 153.6 kpbs)	yes	23.10	23.27	23.23
RC4	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC4	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC4	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC4	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC4	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC4	S055	yes	23.33	23.52	23.52
RC5	S09	yes	23.34	23.53	23.48
RC5	S17	yes	23.45	23.61	23.47
RC5	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC5	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC5	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC5	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC5	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC5	S055	yes	23.33	23.48	23.43

CDMA1900 Flip Open

Radio Configuration	Service Options and Channel Configurations	Supported	Ch25	Ch600	Ch1175
			1851.25MHz	1880.00MHz	1908.75MHz
			Pavg (dBm)	Pavg (dBm)	Pavg (dBm)
RC1	S01	no	-	-	-
RC1	S02	yes	23.54	23.36	23.43
RC1	S03	yes	23.51	23.35	23.55
RC1	S055	yes	23.54	23.32	23.47
RC2	S09	yes	23.55	23.32	23.43
RC2	S017	yes	23.58	23.45	23.54
RC2	S055	yes	23.44	23.29	23.40
RC3	S01	no	-	-	-
RC3	S02	yes	23.52	23.33	23.42
RC3	S03	yes	23.53	23.35	23.41
RC3	S032 (no SCH1)	yes	-	-	-
RC3	S032 (SCH1 9.6 kpbs)	yes	22.84	22.71	22.82
RC3	S032 (SCH1 19.2 kpbs)	yes	22.86	22.73	22.85
RC3	S032 (SCH1 38.4 kpbs)	yes	23.04	22.96	23.05
RC3	S032 (SCH1 76.8 kpbs)	yes	23.17	22.96	23.00
RC3	S032 (SCH1 153.6 kpbs)	yes	23.29	23.04	23.23
RC3	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC3	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC3	S033 (SCH1 38.4 kpbs)	no	-	-	-

RC3	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC3	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC3	S055	yes	23.58	23.28	23.47
RC4	S01	no	-	-	-
RC4	S02	yes	23.58	23.28	23.45
RC4	S03	yes	23.52	23.35	23.51
RC4	S032 (no SCH1)	yes	-	-	-
RC4	S032 (SCH1 9.6 kpbs)	yes	22.80	22.66	22.73
RC4	S032 (SCH1 19.2 kpbs)	yes	22.72	22.58	22.63
RC4	S032 (SCH1 38.4 kpbs)	yes	22.93	22.78	22.80
RC4	S032 (SCH1 76.8 kpbs)	yes	23.00	22.83	23.02
RC4	S032 (SCH1 153.6 kpbs)	yes	23.18	23.06	23.10
RC4	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC4	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC4	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC4	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC4	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC4	S055	yes	23.54	23.37	23.42
RC5	S09	yes	23.55	23.38	23.42
RC5	S17	yes	23.62	23.33	23.43
RC5	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC5	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC5	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC5	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC5	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC5	S055	yes	23.52	23.35	23.44

CDMA800 Flip Closed

Radio Configuration	Service Options and Channel Configurations	Supported	Ch 1013	Ch 384	Ch 777
			824.70 MHz	836.52 MHz	848.31 MHz
			Pavg (dBm)	Pavg (dBm)	Pavg (dBm)
RC1	S01	no	-	-	-
RC1	S02	yes	24.50	24.35	24.22
RC1	S03	yes	24.62	24.50	24.36
RC1	S055	yes	24.50	24.43	24.26
RC2	S09	yes	24.50	24.39	24.26
RC2	S017	yes	24.56	24.57	24.41
RC2	S055	yes	24.45	24.38	24.23
RC3	S01	no	-	-	-
RC3	S02	yes	24.57	24.47	24.28
RC3	S03	yes	24.64	24.52	24.43
RC3	S032 (no SCH1)	no	-	-	-
RC3	S032 (SCH1 9.6 kpbs)	yes	23.75	23.81	23.54
RC3	S032 (SCH1 19.2 kpbs)	yes	23.82	23.82	23.55
RC3	S032 (SCH1 38.4 kpbs)	yes	24.02	24.08	23.75
RC3	S032 (SCH1 76.8 kpbs)	yes	24.01	24.05	23.84
RC3	S032 (SCH1 153.6 kpbs)	yes	24.23	24.25	23.98
RC3	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC3	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC3	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC3	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC3	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC3	S055	yes	24.55	24.54	24.28
RC4	S01	no	-	-	-
RC4	S02	yes	24.52	24.52	24.27
RC4	S03	yes	24.63	24.51	24.32
RC4	S032 (no SCH1)	yes	-	-	-
RC4	S032 (SCH1 9.6 kpbs)	yes	23.80	23.85	23.58
RC4	S032 (SCH1 19.2 kpbs)	yes	23.82	23.82	23.59
RC4	S032 (SCH1 38.4 kpbs)	yes	23.89	23.95	23.78
RC4	S032 (SCH1 76.8 kpbs)	yes	24.16	24.10	23.80
RC4	S032 (SCH1 153.6 kpbs)	yes	24.36	24.15	23.97
RC4	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC4	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC4	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC4	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC4	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC4	S055	yes	24.57	24.56	24.27
RC5	S09	yes	24.63	24.55	24.33
RC5	S17	yes	24.60	24.49	24.38
RC5	S033 (SCH1 9.6 kpbs)	no	-	-	-

RC5	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC5	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC5	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC5	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC5	S055	yes	24.58	24.49	24.33

CDMA1700/2100 Flip Closed

Radio Configuration	Service Options and Channel Configurations	Supported	Ch 25	Ch 425	Ch 875
			1711.25 MHz	1732.5 MHz	1753.75 MHz
			Pavg (dBm)	Pavg (dBm)	Pavg (dBm)
RC1	S01	no	-	-	-
RC1	S02	yes	23.34	23.54	23.45
RC1	S03	yes	23.49	23.60	23.61
RC1	S055	yes	23.24	23.47	23.35
RC2	S09	yes	23.35	23.55	23.41
RC2	S017	yes	23.36	23.49	23.51
RC2	S055	yes	23.25	23.47	23.37
RC3	S01	no	-	-	-
RC3	S02	yes	23.35	23.57	23.44
RC3	S03	yes	23.42	23.57	23.51
RC3	S032 (no SCH1)	no	-	-	-
RC3	S032 (SCH1 9.6 kpbs)	yes	22.61	22.79	22.76
RC3	S032 (SCH1 19.2 kpbs)	yes	22.65	22.83	22.80
RC3	S032 (SCH1 38.4 kpbs)	yes	22.81	23.00	22.96
RC3	S032 (SCH1 76.8 kpbs)	yes	23.06	23.21	23.03
RC3	S032 (SCH1 153.6 kpbs)	yes	23.19	23.29	23.25
RC3	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC3	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC3	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC3	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC3	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC3	S055	yes	23.35	23.50	23.45
RC4	S01	no	-	-	-
RC4	S02	yes	23.36	23.56	23.45
RC4	S03	yes	23.41	23.62	23.48
RC4	S032 (no SCH1)	no	-	-	-
RC4	S032 (SCH1 9.6 kpbs)	yes	22.65	22.80	22.78
RC4	S032 (SCH1 19.2 kpbs)	yes	22.70	22.81	22.82
RC4	S032 (SCH1 38.4 kpbs)	yes	22.84	23.01	22.97
RC4	S032 (SCH1 76.8 kpbs)	yes	22.93	23.05	23.05
RC4	S032 (SCH1 153.6 kpbs)	yes	23.10	23.27	23.23
RC4	S033 (SCH1 9.6 kpbs)	no	-	-	-

RC4	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC4	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC4	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC4	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC4	S055	yes	23.33	23.52	23.52
RC5	S09	yes	23.34	23.53	23.48
RC5	S17	yes	23.45	23.61	23.47
RC5	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC5	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC5	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC5	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC5	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC5	S055	yes	23.33	23.48	23.43

CDMA1900 Flip Closed

Radio Configuration	Service Options and Channel Configurations	Supported	Ch25	Ch600	Ch1175
			1851.25MHz	1880.00MHz	1908.75MHz
			Pavg (dBm)	Pavg (dBm)	Pavg (dBm)
RC1	S01	no	-	-	-
RC1	S02	yes	23.54	23.36	23.43
RC1	S03	yes	23.51	23.35	23.55
RC1	S055	yes	23.54	23.32	23.47
RC2	S09	yes	23.55	23.32	23.43
RC2	S017	yes	23.58	23.45	23.54
RC2	S055	yes	23.44	23.29	23.40
RC3	S01	no	-	-	-
RC3	S02	yes	23.52	23.33	23.42
RC3	S03	yes	23.53	23.35	23.41
RC3	S032 (no SCH1)	yes	-	-	-
RC3	S032 (SCH1 9.6 kpbs)	yes	22.84	22.71	22.82
RC3	S032 (SCH1 19.2 kpbs)	yes	22.86	22.73	22.85
RC3	S032 (SCH1 38.4 kpbs)	yes	23.04	22.96	23.05
RC3	S032 (SCH1 76.8 kpbs)	yes	23.17	22.96	23.00
RC3	S032 (SCH1 153.6 kpbs)	yes	23.29	23.04	23.23
RC3	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC3	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC3	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC3	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC3	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC3	S055	yes	23.58	23.28	23.47
RC4	S01	no	-	-	-
RC4	S02	yes	23.58	23.28	23.45
RC4	S03	yes	23.52	23.35	23.51

RC4	S032 (no SCH1)	yes	-	-	-
RC4	S032 (SCH1 9.6 kpbs)	yes	22.80	22.66	22.73
RC4	S032 (SCH1 19.2 kpbs)	yes	22.72	22.58	22.63
RC4	S032 (SCH1 38.4 kpbs)	yes	22.93	22.78	22.80
RC4	S032 (SCH1 76.8 kpbs)	yes	23.00	22.83	23.02
RC4	S032 (SCH1 153.6 kpbs)	yes	23.18	23.06	23.10
RC4	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC4	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC4	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC4	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC4	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC4	S055	yes	23.54	23.37	23.42
RC5	S09	yes	23.55	23.38	23.42
RC5	S17	yes	23.62	23.33	23.43
RC5	S033 (SCH1 9.6 kpbs)	no	-	-	-
RC5	S033 (SCH1 19.2 kpbs)	no	-	-	-
RC5	S033 (SCH1 38.4 kpbs)	no	-	-	-
RC5	S033 (SCH1 76.8 kpbs)	no	-	-	-
RC5	S033 (SCH1 153.6 kpbs)	no	-	-	-
RC5	S055	yes	23.52	23.35	23.44