

Appendix C for KSCR230900155101

Calibration Certificate

Object	Apply	No	Model	SN	Calibration Date	Due date of calibration
Dipole	<input checked="" type="checkbox"/>	1	D3500V2	1101	2021/09/09	2024/09/08
	<input checked="" type="checkbox"/>	2	D3700V2	1103	2021/09/09	2024/09/08
	<input checked="" type="checkbox"/>	3	D3900V2	1080	2021/09/13	2024/09/12



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1 Dipole

1.1 D3500V2 - SN 1101

Calibration Laboratory of Schmid & Partner Engineering AG Zugstrasse 65, 8004 Zurich, Switzerland		Schweizerischer Kalibrierdienst Service suisse d'étalonnage Service 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 0108	
Client: SGS-CN (Auden)		Certificate No.: D3500V2-1101_Sep21	
CALIBRATION CERTIFICATE			
Object: D3500V2 - SN 1101			
Calibration procedure(s): QA CAL-22 v6 Calibration Procedure for SAR Validation Sources between 3-10 GHz			
Calibration date: September 09, 2021			
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 ± 0.1°C and humidity < 70%).			
Calibrator Equipment used (MATE critical for calibration)			
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	09-Apr-21 (No. 217-03291-03292)	Apr-22
Power sensor NRP-20T	SN: 103244	09-Apr-21 (No. 217-03291)	Apr-22
Power sensor NRP-20T	SN: 103245	09-Apr-21 (No. 217-03292)	Apr-22
Reference 20 dB Attenuator	SN: B19284 (20k)	09-Apr-21 (No. 217-03343)	Apr-22
Type-N terminator combination	SN: 310882 / 06327	09-Apr-21 (No. 217-03344)	Apr-22
Reference Probe EXD3V4	SN: 3503	30-Dec-20 (No. EX3-3503_Dec20)	Dec-21
DAE4	SN: 601	02-Nov-20 (No. DAE4-601_Nov20)	Nov-21
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter S4105	SN: 0810612475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: U53729783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: M74109217	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator N85 SBT-08	SN: 110872	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8363A	SN: U54106477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22
Calibrated by:	Name: Leif Myer	Function: Laboratory Technician	Signature:
Approved by:	Name: Korja Polovic	Function: Technical Manager	Signature:
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Issued: September 10, 2021			
Certificate No: D3500V2-1101_Sep21		Page 1 of 7	

Measurement Conditions	
DASY system configuration, as far as not given on page 1.	
DASY Version	DASYV2
Extrapolation	Advanced Extrapolation
Phantom	Modular Flat Phantom V5.0
Distance Dipole Center - TSL	10 mm
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm
Frequency	3400 MHz ± 1 MHz 3500 MHz ± 1 MHz

Head TSL parameters at 3400 MHz			
The following parameters and calculations were applied:			
Nominal Head TSL parameters	Temperature	Permittivity	Conductivity
(22.0 ± 0.2) °C	22.0 °C	38.0	2.81 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.1 ± 6 %	2.88 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	---	---

SAR result with Head TSL at 3400 MHz	
SAR averaged over 1 cm ² (1 g) of Head TSL	Condition
SAR measured	100 mW input power
SAR for nominal Head TSL parameters	normalized to 1W
	68.5 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ² (10 g) of Head TSL	
SAR measured	condition
SAR measured	100 mW input power
SAR for nominal Head TSL parameters	normalized to 1W
	25.6 W/kg ± 19.5 % (k=2)

Head TSL parameters at 3500 MHz			
The following parameters and calculations were applied:			
Nominal Head TSL parameters	Temperature	Permittivity	Conductivity
(22.0 ± 0.2) °C	22.0 °C	37.9	2.91 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.9 ± 6 %	2.98 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	---	---

SAR result with Head TSL at 3500 MHz	
SAR averaged over 1 cm ² (1 g) of Head TSL	Condition
SAR measured	100 mW input power
SAR for nominal Head TSL parameters	normalized to 1W
	66.9 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ² (10 g) of Head TSL	
SAR measured	condition
SAR measured	100 mW input power
SAR for nominal Head TSL parameters	normalized to 1W
	25.2 W/kg ± 19.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)	
Antenna Parameters with Head TSL at 3400 MHz	
Impedance, transformed to feed point	44.9 Ω - 5.8 jΩ
Return Loss	-21.9 dB

Antenna Parameters with Head TSL at 3500 MHz	
Impedance, transformed to feed point	53.4 Ω - 3.8 jΩ
Return Loss	-20.1 dB

General Antenna Parameters and Design	
Electrical Delay (one direction)	1.132 ns

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 CC signals. On arms of the dipoles, small and caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data	
Manufactured by	SPEAG

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DASY5 Validation Report for Head TSL

Date: 09.09.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2 - SN:1101

Communication System: UID 0 - CW; Frequency: 3500 MHz; Frequency: 3400 MHz

Medium parameters used: $f = 3500 \text{ MHz}$; $\epsilon = 2.96 \text{ S/m}$; $\epsilon_0 = 37.9$; $\rho = 1000 \text{ kg/m}^3$ Medium parameters used: $f = 3400 \text{ MHz}$; $\epsilon = 2.88 \text{ S/m}$; $\epsilon_0 = 38.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/EC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN3503; ConvF(7.91, 7.91, 7.91) @ 3500 MHz, ConvF(7.97, 7.97, 7.97) @ 3400 MHz; Calibrated: 30.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.11.2020
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=100 mW, $d=10\text{mm}$, $f=3500\text{MHz/Zoom Scan}$, $\text{dist}=1.4\text{mm}$ (8x8x8)/Cube 0; Measurement grid: $\text{dx}=4\text{mm}$, $\text{dy}=4\text{mm}$, $\text{dz}=1.4\text{mm}$

Reference Value = 71.98 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 6.71 W/kg; SAR(10 g) = 2.52 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 74%

Maximum value of SAR (measured) = 12.5 W/kg

Dipole Calibration for Head Tissue/Pin=100 mW, $d=10\text{mm}$, $f=3400\text{MHz/Zoom Scan}$, $\text{dist}=1.4\text{mm}$ (8x8x8)/Cube 0; Measurement grid: $\text{dx}=4\text{mm}$, $\text{dy}=4\text{mm}$, $\text{dz}=1.4\text{mm}$

Reference Value = 73.38 V/m; Power Drift = 0.07 dB

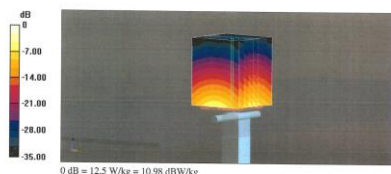
Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 6.89 W/kg; SAR(10 g) = 2.57 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 75.5%

Maximum value of SAR (measured) = 12.8 W/kg



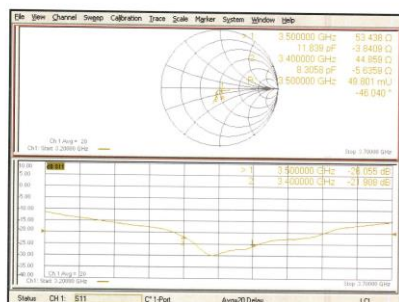
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Impedance Measurement Plot for Head TSL



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1.2 D3700V2 - SN 1103



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Calibration Laboratory of Schmid & Partner Engineering AG Zugstrasse 43, 8004 Zurich, Switzerland		Schweizerischer Kalibrierdienst 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 0108	
Client: SGS-CN (Auden)		Certificate No.: D3700V2-1103_Sep21	
CALIBRATION CERTIFICATE			
Object: D3700V2 - SN:1103			
Calibration procedure(s): QA CAL-22-V6 Calibration Procedure for SAR Validation Sources between 3-10 GHz			
Calibration date: September 09, 2021			
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 (MATE critical for calibration)			
Primary Standards	ID #	Cal Data (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	08-Apr-21 (No. 217-03291/03292)	Apr-22
Power sensor NRP-231	SN: 103344	08-Apr-21 (No. 217-03291)	Apr-22
Power sensor NRP-231	SN: 103245	08-Apr-21 (No. 217-03292)	Apr-22
Reference 20 dB Attenuator	SN: B1834 (20)	08-Apr-21 (No. 217-03242)	Apr-22
Type-N termination combination	SN: 21082 / 6037	08-Apr-21 (No. 217-03246)	Apr-22
Reference Probe EX30V4	SN: 3503	30-Dec-20 (No. EX3-3503_Dec20)	Dec-21
DAE4	SN: 601	02-Nov-20 (No. DAE4-601_Nov20)	Nov-21
Secondary Standards	ID #	Check Data (in house)	Scheduled Check
Power meter S4418B	SN: 083615475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 84481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 84481A	SN: M141020217	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SM106	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US4180477	31-Mar-14 (in house check Oct-20)	In house check: Oct-21
Calibrated by:	Name	Function	Signature
Approved by:	Name	Function	Signature
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Measurement Conditions			
DASY system configuration, as far as not given on page 1.			
DASY Version	DASY32	VS2 10.4	
Extrapolation	Advanced Extrapolation		
Phantom	Modular Flat Phantom VS.0		
Distance Dipole Center - TSL	10 mm	with Spacer	
Zoom Scan Resolution	dx, dy = 4.0 mm; dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)	
Frequency	3700 MHz ± 1 MHz		

Head TSL parameters at 3700 MHz			
The following parameters and calculations were applied.			
Nominal Head TSL parameters	Temperature	Permittivity	Conductivity
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.7 ± 6 %	3.12 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	---	---

SAR result with Head TSL at 3700 MHz			
SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition		
SAR measured	100 mW input power	6.75 W/kg	
SAR for nominal Head TSL parameters	normalized to 1W	67.5 W/kg ± 19.9 % (k=2)	

SAR result with Head TSL at 3700 MHz			
SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition		
SAR measured	100 mW input power	2.44 W/kg	
SAR for nominal Head TSL parameters	normalized to 1W	24.4 W/kg ± 19.5 % (k=2)	

Appendix (Additional assessments outside the scope of SCS 0108)	
Antenna Parameters with Head TSL at 3700 MHz	
Impedance, transformed to feed point	45.1 Ω ± 1.8 Ω
Return Loss	-25.3 dB

General Antenna Parameters and Design	
Electrical Delay (one direction)	1.153 ns

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. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data	
Manufactured by	SPEAG

Appendix (Additional assessments outside the scope of SCS 0108)	
Antenna Parameters with Head TSL at 3700 MHz	
Impedance, transformed to feed point	45.1 Ω ± 1.8 Ω
Return Loss	-25.3 dB

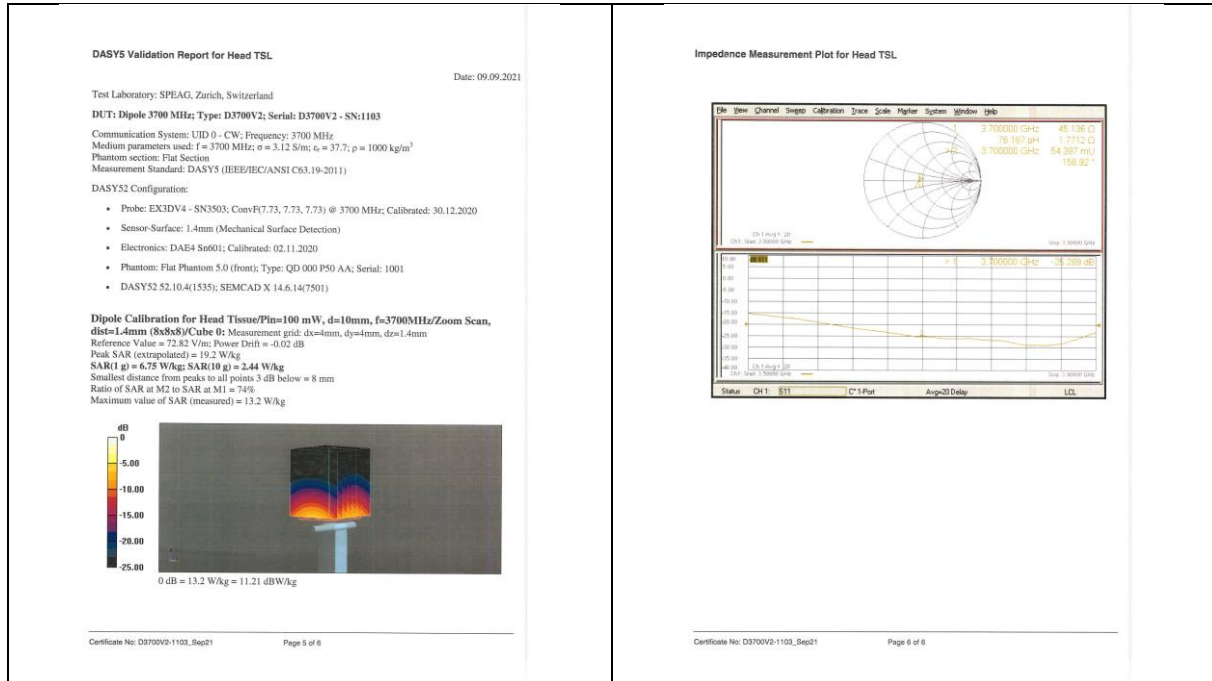
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Additional EUT Data	
Manufactured by	SPEAG



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1.3 D3900V2 - SN 1080

<p>Calibration Laboratory of Schmid & Partner Engineering AG Zugstrasse 43, 8004 Zurich, Switzerland</p> <p>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</p> <p>Client: SGS-CN (Auden) Certificate No: D3900V2-1080_Sep21</p> <p>Accreditation No.: SCS 0108</p> <p>CALIBRATION CERTIFICATE</p> <p>Object: D3900V2 - SN 1080</p> <p>Calibration procedure(s): QA CAL-22 v6 Calibration Procedure for SAR Validation Sources between 3-10 GHz</p> <p>Calibration date: September 13, 2021</p> <p>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 in the following pages and are part of the certificate.</p> <p>All calibrations have been conducted in the closed laboratory facility: environment temperature $22 \pm 3^\circ\text{C}$ and humidity $< 70\%$.</p> <p>Calibration Equipment used (MATE critical for calibration)</p> <table border="1"><thead><tr><th>Primary Standards</th><th>ID #</th><th>Cal Date (Certificate No.)</th><th>Scheduled Calibration</th></tr></thead><tbody><tr><td>Power meter NRP</td><td>SN 104778</td><td>09-Apr-21 (No. 217-03291-03292)</td><td>Apr-22</td></tr><tr><td>Power sensor NRP-Z91</td><td>SN 103244</td><td>09-Apr-21 (No. 217-03291)</td><td>Apr-22</td></tr><tr><td>Power sensor NRP-Z91</td><td>SN 103245</td><td>09-Apr-21 (No. 217-03292)</td><td>Apr-22</td></tr><tr><td>Reference 25 dB Attenuator</td><td>SN 819384 (25k)</td><td>09-Apr-21 (No. 217-03243)</td><td>Apr-22</td></tr><tr><td>Type-N microwave combinator</td><td>SN 310582 (03237)</td><td>09-Apr-21 (No. 217-03244)</td><td>Apr-22</td></tr><tr><td>Reference Probe EX320V4</td><td>SN 3503</td><td>30-Dec-20 (No. EX3-3503_2nd20)</td><td>Dec-21</td></tr><tr><td>DAE4</td><td>SN 601</td><td>02-Nov-20 (No. DAE4-601_Nov20)</td><td>Nov-21</td></tr></tbody></table> <table border="1"><thead><tr><th>Secondary Standards</th><th>ID #</th><th>Check Date (in house)</th><th>Scheduled Check</th></tr></thead><tbody><tr><td>Power meter S4418B</td><td>SN 0839512475</td><td>30-Oct-14 (in house check Oct-20)</td><td>In house check: Oct-22</td></tr><tr><td>Power sensor HP 8481A</td><td>SN US37262783</td><td>07-Oct-19 (in house check Oct-20)</td><td>In house check: Oct-22</td></tr><tr><td>Power sensor HP 8481A</td><td>SN 1W1062117</td><td>07-Oct-19 (in house check Oct-20)</td><td>In house check: Oct-22</td></tr><tr><td>RF generator N8S SMT-06</td><td>SN 100972</td><td>15-Jun-15 (in house check Oct-20)</td><td>In house check: Oct-22</td></tr><tr><td>Network Analyzer Agilent E8363A</td><td>SN US4108477</td><td>31-Mar-14 (in house check Oct-20)</td><td>In house check: Oct-21</td></tr></tbody></table> <p>Calibrated by: Leif Kjeker Laboratory Technician <i>[Signature]</i></p> <p>Approved by: Karin Polakov Technical Manager <i>[Signature]</i></p> <p>Issued: September 15, 2021</p> <p>This calibration certificate shall not be reproduced except in full without written approval of the laboratory.</p> <p>Certificate No: D3900V2-1080_Sep21 Page 1 of 7</p>	Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration	Power meter NRP	SN 104778	09-Apr-21 (No. 217-03291-03292)	Apr-22	Power sensor NRP-Z91	SN 103244	09-Apr-21 (No. 217-03291)	Apr-22	Power sensor NRP-Z91	SN 103245	09-Apr-21 (No. 217-03292)	Apr-22	Reference 25 dB Attenuator	SN 819384 (25k)	09-Apr-21 (No. 217-03243)	Apr-22	Type-N microwave combinator	SN 310582 (03237)	09-Apr-21 (No. 217-03244)	Apr-22	Reference Probe EX320V4	SN 3503	30-Dec-20 (No. EX3-3503_2nd20)	Dec-21	DAE4	SN 601	02-Nov-20 (No. DAE4-601_Nov20)	Nov-21	Secondary Standards	ID #	Check Date (in house)	Scheduled Check	Power meter S4418B	SN 0839512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22	Power sensor HP 8481A	SN US37262783	07-Oct-19 (in house check Oct-20)	In house check: Oct-22	Power sensor HP 8481A	SN 1W1062117	07-Oct-19 (in house check Oct-20)	In house check: Oct-22	RF generator N8S SMT-06	SN 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22	Network Analyzer Agilent E8363A	SN US4108477	31-Mar-14 (in house check Oct-20)	In house check: Oct-21	<p>Calibration Laboratory of Schmid & Partner Engineering AG Zugstrasse 43, 8004 Zurich, Switzerland</p> <p>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</p> <p>Accreditation No.: SCS 0108</p> <p>Glossary:</p> <p>TSL: tissue simulating liquid ConvF: sensitivity in TSL / NORM x,y,z N/A: not applicable or not measured</p> <p>Calibration is Performed According to the Following Standards:</p> <p>a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020. b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"</p> <p>Additional Documentation:</p> <p>c) DASY System Handbook</p> <p>Methods Applied and Interpretation of Parameters:</p> <ul style="list-style-type: none">• Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.• Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.• Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.• SAR measured: SAR measured at the stated antenna input power.• SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.• SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result. <p>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%.</p> <p>Certificate No: D3900V2-1080_Sep21 Page 2 of 7</p>																																																		
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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. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.</p> <p>No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.</p> <p>Additional EUT Data</p> <table border="1"><thead><tr><th>Manufactured by</th><th></th></tr></thead><tbody><tr><td></td><td>SPEAG</td></tr></tbody></table> <p>Certificate No: D3900V2-1080_Sep21 Page 4 of 7</p>			Impedance, transformed to feed point	47.0 Ω - 5.1 j Ω	Return Loss	-24.2 dB			Impedance, transformed to feed point	56.5 Ω - 2.1 j Ω	Return Loss	-23.9 dB			Electrical Delay (one direction)	1.104 ns	Manufactured by			SPEAG
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DASY5 Validation Report for Head TSL

Date: 13.09.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: D3900V2 - SN:1080

Communication System: UID 0 - CW; Frequency: 3900 MHz; Frequency: 4100 MHz

Medium parameters used: $f=3900$ MHz; $\sigma=3.28$ S/m; $\epsilon_r=37.4$; $\rho=1000$ kg/m³Medium parameters used: $f=4100$ MHz; $\sigma=3.46$ S/m; $\epsilon_r=37.2$; $\rho=1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN3503; ConvF(7.39, 7.39, 7.39) @ 3900 MHz, ConvF(7.26, 7.26, 7.26) @ 4100 MHz; Calibrated: 30.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DA44 Sn601; Calibrated: 02.11.2020
- Phantom: Flat Phantom 5.0 (front); Type: QD 090 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm 3900/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 74.67 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 20.5 W/kg

SAR(1 g) = 7.65 W/kg; SAR(10 g) = 2.44 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 72.4%

Maximum value of SAR (measured) = 13.8 W/kg

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm 4100/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.33 V/m; Power Drift = 0.07 dB

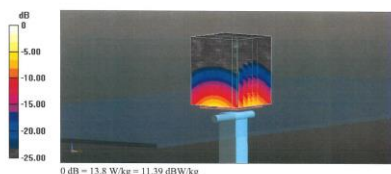
Peak SAR (extrapolated) = 20.1 W/kg

SAR(1 g) = 6.93 W/kg; SAR(10 g) = 2.4 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 73%

Maximum value of SAR (measured) = 13.8 W/kg



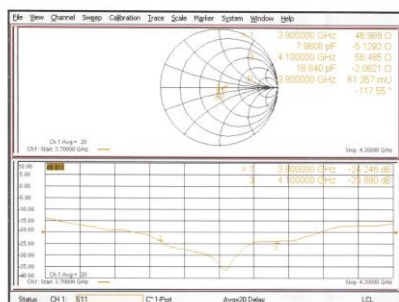
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Impedance Measurement Plot for Head TSL



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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