

**Calibration Laboratory of**  
Schmid & Partner  
Engineering AG  
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**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** 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**

**Glossary:**

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

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

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

**Additional Documentation:**

- e) DASY4/5 System Handbook

**Methods Applied and Interpretation of Parameters:**

- *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 dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. 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.

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%.

DASY system configuration, as far as not given on page 1.

<b>DASY Version</b>	DASY5	V52.10.3
<b>Extrapolation</b>	Advanced Extrapolation	
<b>Phantom</b>	Modular Flat Phantom	
<b>Distance Dipole Center - TSL</b>	10 mm	with Spacer
<b>Zoom Scan Resolution</b>	dx, dy, dz = 5 mm	
<b>Frequency</b>	2600 MHz ± 1 MHz	

### Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
<b>Nominal Head TSL parameters</b>	22.0 °C	39.0	1.96 mho/m
<b>Measured Head TSL parameters</b>	(22.0 ± 0.2) °C	37.7 ± 6 %	2.01 mho/m ± 6 %
<b>Head TSL temperature change during test</b>	< 0.5 °C	----	-----

### SAR result with Head TSL

<b>SAR averaged over 1 cm<sup>3</sup> (1 g) of Head TSL</b>	Condition	
SAR measured	250 mW input power	14.4 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	56.5 W/kg ± 17.0 % (k=2)

<b>SAR averaged over 10 cm<sup>3</sup> (10 g) of Head TSL</b>	condition	
SAR measured	250 mW input power	6.43 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.4 W/kg ± 16.5 % (k=2)

### Appendix (Additional assessments outside the scope of SCS 0108)

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.9 $\Omega$ - 7.8 $j\Omega$
Return Loss	- 21.7 dB

#### General Antenna Parameters and Design

Electrical Delay (one direction)	1.148 ns
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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
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## DASY5 Validation Report for Head TSL

Date: 08.11.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1166

Communication System: UID 0 - CW; Frequency: 2600 MHz

Medium parameters used:  $f = 2600 \text{ MHz}$ ;  $\sigma = 2.01 \text{ S/m}$ ;  $\epsilon_r = 37.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(7.69, 7.69, 7.69) @ 2600 MHz; Calibrated: 29.05.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

### Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 118.5 V/m; Power Drift = 0.06 dB

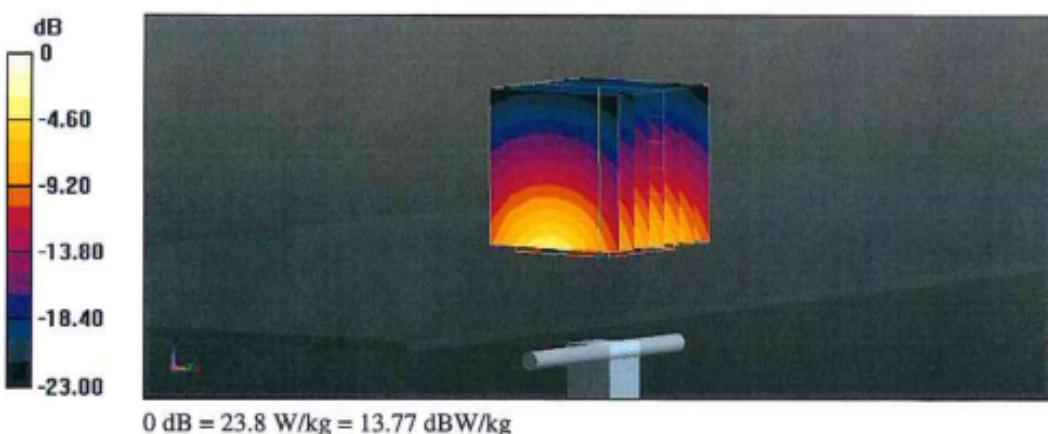
Peak SAR (extrapolated) = 28.7 W/kg

**SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.43 W/kg**

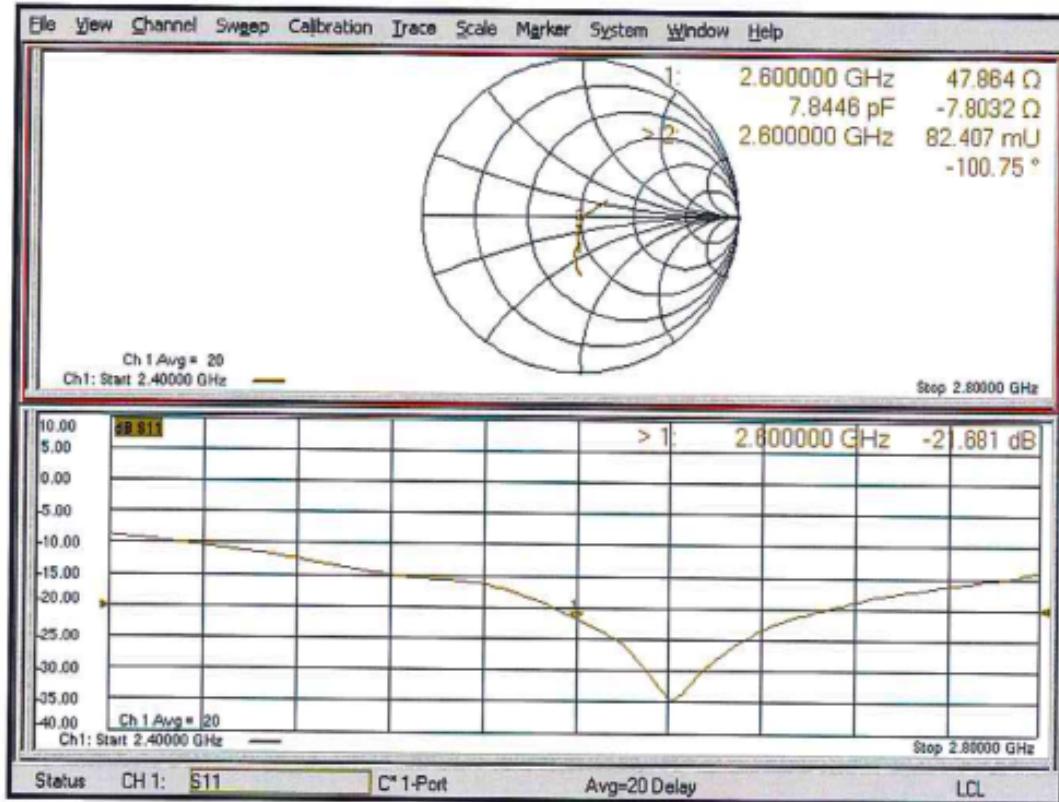
Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 50.2%

Maximum value of SAR (measured) = 23.8 W/kg



Impedance Measurement Plot for Head TSL



## D5GHzV2 Sn:1079 (1/4)



Client SRTC

Certificate No: Z17-97133

### CALIBRATION CERTIFICATE

Object	D5GHzV2 - SN. 1079					
Calibration Procedure(s)	FF-Z11-003-01 Calibration Procedures for dipole validation kits					
Calibration date:	September 25, 2017					
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 NRP2	102196	02-Mar-17 (CTTL, No.J17X01254)	Mar-18			
Power sensor NRP-Z91	100596	02-Mar-17 (CTTL, No.J17X01254)	Mar-18			
Reference Probe EX3DV4	SN 3846	13-Jan-17(CTTL-SPEAG No.Z16-97251)	Jan-18			
DAE4	SN 1331	19-Jan-17(CTTL-SPEAG No.Z17-97015)	Jan-18			
Secondary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration			
Signal Generator E4438C	MY49071430	13-Jan-17 (CTTL, No.J17X00286)	Jan-18			
NetworkAnalyzer E5071C	MY46110673	13-Jan-17 (CTTL, No.J17X00285)	Jan-18			
Calibrated by:	Name	Function	Signature			
Zhao Jing	SAR Test Engineer					
Reviewed by:	Yu Zengying	SAR Test Engineer				
Approved by:	Qi Danyuan	SAR Project Leader				
Issued: September 28, 2017						
This calibration certificate shall not be reproduced except in full without written approval of the laboratory						

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Glossary:  
TSL tissue simulating liquid  
ConvF sensitivity in TSL/NORMx.y.z  
N/A not applicable or not measured

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

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices - Measurement Techniques"
- b) IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 8GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz
- e) DASY4/5 System Handbook

### Additional Documentation:

e) DASY4/5 System Handbook

### Methods Applied and Interpretation of Parameters:

- **Measurement Conditions:** Further details are available from the Validation Report at the end of this document. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters:** with TSL. The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point.
- **SAR measurement:** 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.

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%

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### Measurement Conditions

DASY Version	DASY2	52.10.0.1446
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio + 1.4 (Z direction)
Frequency	5200 MHz ± 1 MHz 5300 MHz ± 1 MHz 5500 MHz ± 1 MHz 5600 MHz ± 1 MHz 5800 MHz ± 1 MHz	

### Head TSL parameters at 5200 MHz

The following parameters and calculations were applied:

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	36.0	4.66 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.7 ± 6 %	4.62 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	—	—

### SAR result with Head TSL at 5200 MHz

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.77 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	77.6 mW / g ± 24.4 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.24 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	22.3 mW / g ± 24.2 % (k=2)



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### Head TSL parameters at 5300 MHz

The following parameters and calculations were applied:

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.76 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.1 ± 6 %	4.67 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	—	—

### Head TSL parameters at 5500 MHz

The following parameters and calculations were applied:

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.96 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.9 ± 6 %	4.93 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	—	—

### SAR result with Head TSL at 5500 MHz

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.13 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	81.3 mW / g ± 24.4 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.32 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	23.2 mW / g ± 24.2 % (k=2)

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## D5GHzV2 Sn:1079 (3/4)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 5200 MHz

Impedance, transformed to feed point	47.8Ω - 8.77jΩ
Return Loss	-20.7dB

Antenna Parameters with Head TSL at 5300 MHz

Impedance, transformed to feed point	45.5Ω - 6.82jΩ
Return Loss	-21.4dB

Antenna Parameters with Head TSL at 5500 MHz

Impedance, transformed to feed point	50.7Ω - 7.14jΩ
Return Loss	-23.0dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	55.2Ω - 4.00jΩ
Return Loss	-24.1dB

Antenna Parameters with Head TSL at 5800 MHz

Impedance, transformed to feed point	52.2Ω - 8.20jΩ
Return Loss	-21.6dB

Antenna Parameters with Body TSL at 5200 MHz

Impedance, transformed to feed point	50.8Ω - 10.1jΩ
Return Loss	-20.0dB

Antenna Parameters with Body TSL at 5300 MHz

Impedance, transformed to feed point	48.5Ω - 8.58jΩ
Return Loss	-21.1dB

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Antenna Parameters with Body TSL at 5500 MHz

Impedance, transformed to feed point	54.9Ω - 6.85jΩ
Return Loss	-21.9dB

Antenna Parameters with Body TSL at 5600 MHz

Impedance, transformed to feed point	56.6Ω - 2.28jΩ
Return Loss	-23.7dB

Antenna Parameters with Body TSL at 5800 MHz

Impedance, transformed to feed point	56.7Ω - 8.18jΩ
Return Loss	-20.2dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.313 ns
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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
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DASY5 Validation Report for Head TSL Date: 09-21-2017

Test Laboratory: CTTL, Beijing, China

DU: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1079

Communication System: CW, Frequency: 5200 MHz, Frequency: 5300 MHz, Frequency: 5500 MHz, Frequency: 5600 MHz, Frequency: 5800 MHz, Medium parameters used:  $\epsilon_r = 3.72$ ,  $\sigma = 4.616 \text{ mho/m}$ ,  $\tau_r = 35.72$ ,  $p = 1000 \text{ kg/m}^3$ , Medium parameters used:  $\epsilon_r = 5300 \text{ MHz}$ ,  $\sigma = 4.668 \text{ mho/m}$ ,  $\tau_r = 36.09$ ,  $p = 1000 \text{ kg/m}^3$ , Medium parameters used:  $\epsilon_r = 5500 \text{ MHz}$ ,  $\sigma = 4.934 \text{ mho/m}$ ,  $\tau_r = 35.92$ ,  $p = 1000 \text{ kg/m}^3$ , Medium parameters used:  $\epsilon_r = 5600 \text{ MHz}$ ,  $\sigma = 4.984 \text{ mho/m}$ ,  $\tau_r = 35.73$ ,  $p = 1000 \text{ kg/m}^3$ , Medium parameters used:  $\epsilon_r = 5800 \text{ MHz}$ ,  $\sigma = 5.159 \text{ mho/m}$ ,  $\tau_r = 35.63$ ,  $p = 1000 \text{ kg/m}^3$ , Phantom material: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

• Probe EX3DV4 - SN3846; ConvF(5.37\_5.37\_5.37); Calibrated: 1/13/2017, ConvF(5.37\_5.37\_5.37), Calibrated: 1/13/2017, ConvF(7.24\_7.24\_7.472), Calibrated: 1/13/2017, ConvF(7.24\_7.24\_7.472), Calibrated: 1/13/2017, ConvF(4.954\_4.954\_4.954), Calibrated: 1/13/2017,

• Sensors-Surface: 1mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn133, Calibrated: 2017/11/18

• Phantom: Triple Flat Phantom, 5.1C, Type: QD 000 P51 CA; Serial: 1161/3

• Measurements SW: DASY52, Version: 5.2.10 (0); SEMCAD X Version: 14.6.10 (7417)

Dipole Calibration /Pin=100mW, d=10mm, f=5200 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 58.81 W/m, Power Drift = -0.01 dB

Peak SAR (extrapolated) = 30.8 W/kg  
SAR(1 g) = 7.77 W/kg; SAR(10 g) = 2.24 W/kg  
Maximum value of SAR (measured) = 16.2 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=5300 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 65.19 W/m, Power Drift = 0.05 dB

Peak SAR (extrapolated) = 33.7 W/kg  
SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.32 W/kg  
Maximum value of SAR (measured) = 19.3 W/kg

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Dipole Calibration /Pin=100mW, d=10mm, f=5500 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 57.80 W/m, Power Drift = 0.02 dB

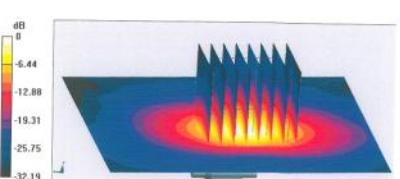
Peak SAR (extrapolated) = 34.3 W/kg  
SAR(1 g) = 8.24 W/kg; SAR(10 g) = 2.37 W/kg  
Maximum value of SAR (measured) = 19.6 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 57.89 W/m, Power Drift = 0.02 dB

Peak SAR (extrapolated) = 35.7 W/kg  
SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.34 W/kg  
Maximum value of SAR (measured) = 20.0 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=5800 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 53.56 W/m, Power Drift = -0.06 dB

Peak SAR (extrapolated) = 35.0 W/kg  
SAR(1 g) = 7.85 W/kg; SAR(10 g) = 2.25 W/kg  
Maximum value of SAR (measured) = 19.7 W/kg



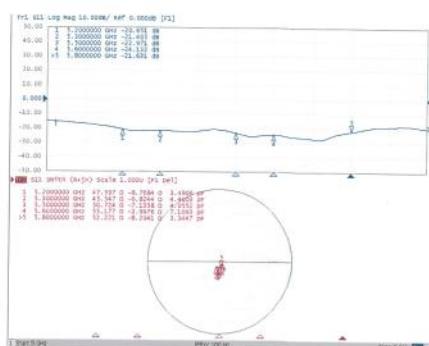
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## D5GHzV2 Sn:1079 (4/4)



Impedance Measurement Plot for Head TSL



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**DASYS Validation Report for Body TSL**  
Test Laboratory: CTTL, Beijing, China  
DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1079  
Communication System: Cube, Frequency: 5200 MHz, Frequency: 5300 MHz, Frequency: 5500 MHz, Frequency: 5600 MHz, Frequency: 5800 MHz  
Medium parameters used:  $f = 5200$  MHz,  $\sigma = 5.382$  mho/m;  $\epsilon_r = 49.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $f = 5300$  MHz,  $\sigma = 5.498$  mho/m;  $\epsilon_r = 49.21$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $f = 5500$  MHz,  $\sigma = 5.722$  mho/m;  $\epsilon_r = 49.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $f = 5600$  MHz,  $\sigma = 5.733$  mho/m;  $\epsilon_r = 48.37$ ,  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $f = 5800$  MHz,  $\sigma = 5.935$  mho/m;  $\epsilon_r = 48.99$ ,  $\rho = 1000$  kg/m<sup>3</sup>.  
Phantom section: Center Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3846, ConvF(4.95,4.95,4.95); Calibrated: 1/13/2017, ConvF(4.95,4.95,4.95); Calibrated: 1/13/2017, ConvF(4.18,4.18,4.18); Calibrated: 1/13/2017, ConvF(4.18,4.18,4.18); Calibrated: 1/13/2017, ConvF(4.53,4.53,4.53); Calibrated: 1/13/2017,
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1331, Calibrated: 2017/1/19
- Phantom: Triple Flat Phantom 5.1C, Type: QD 000 P51 CA, Serial: 1161/3
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Dipole Calibration /Pin=100mW, d=10mm, f=5200 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 55.18 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 30.0 W/kg  
SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.35 W/kg  
Maximum value of SAR (measured) = 18.2 W/kg

**Dipole Calibration /Pin=100mW, d=10mm, f=5300 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 53.94 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 31.9 W/kg  
SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.48 W/kg  
Maximum value of SAR (measured) = 18.3 W/kg

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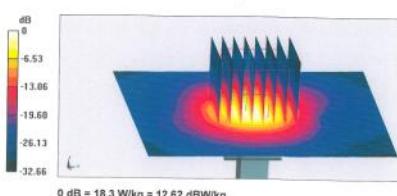
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**Dipole Calibration /Pin=100mW, d=10mm, f=5500 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 66.70 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 33.7 W/kg  
SAR(1 g) = 8.22 W/kg; SAR(10 g) = 2.35 W/kg  
Maximum value of SAR (measured) = 19.8 W/kg

**Dipole Calibration /Pin=100mW, d=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 67.75 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 34.2 W/kg  
SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.3 W/kg  
Maximum value of SAR (measured) = 19.3 W/kg

**Dipole Calibration /Pin=100mW, d=10mm, f=5800 MHz/Zoom Scan, dist=1.4mm (8x8x7)Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 68.20 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 33.3 W/kg  
SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.17 W/kg  
Maximum value of SAR (measured) = 18.3 W/kg

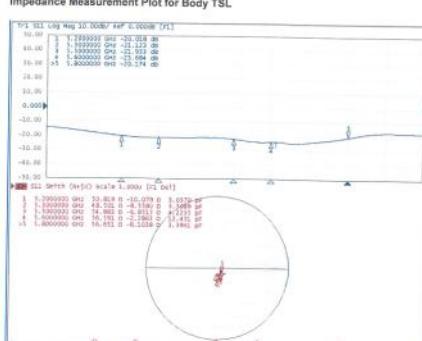


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Impedance Measurement Plot for Body TSL



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-----End of the test report-----