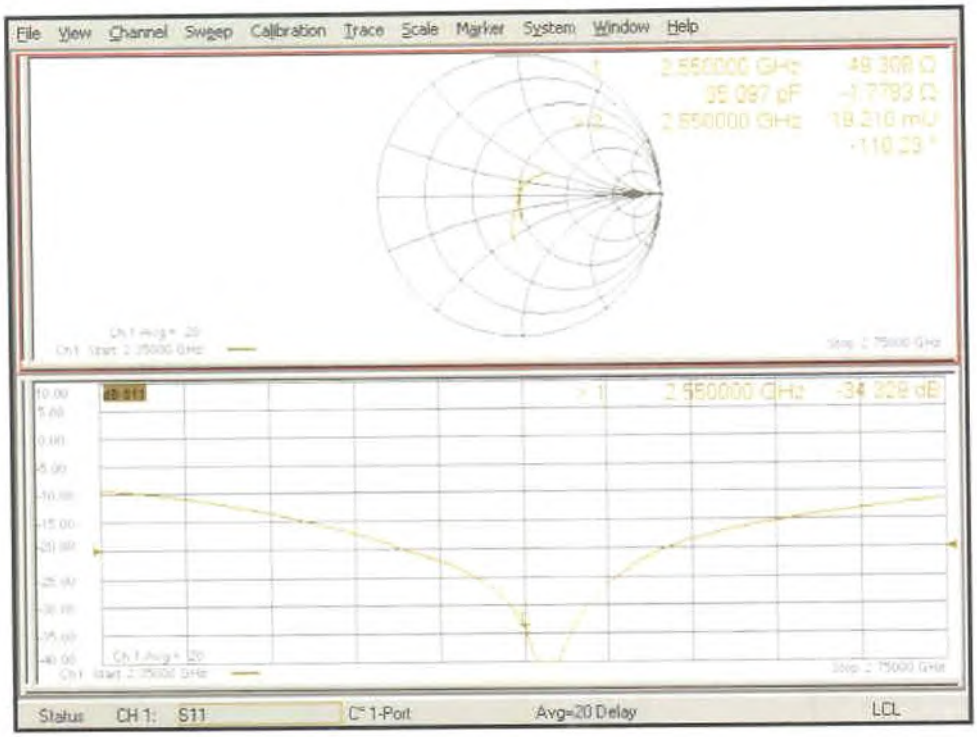
Impedance Measurement Plot for Body TSL



5GHz Dipole

In Collaboration with
s p e a g
CALIBRATION LABORATORY
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191
Tel: +86-10-62304633-2117
E-mail: emf@caict.ac.cn http://www.caic.ac.cn

Client SAICT Certificate No: Z22-60336

CALIBRATION CERTIFICATE

Object	D5GHzV2 - SN: 1238
Calibration Procedure(s)	FF-Z11-003-01 Calibration Procedures for dipole validation kits
Calibration date:	August 17, 2022

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)℃ 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	106277	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Power sensor NRP8S	104291	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Reference Probe EX3DV4	SN 7464	26-Jan-22(SPEAG,No.EX3-7464_Jan22)	Jan-23
DAE4	SN 1556	12-Jan-22(CTTL-SPEAG,No.Z22-60007)	Jan-23
Secondary Standards	**ID #**	**Cal Date (Calibrated by, Certificate No.)**	**Scheduled Calibration**
Signal Generator E4438C	MY49071430	13-Jan-22 (CTTL, No. J22X00409)	Jan-23
Network Analyzer E5071C	MY46110673	14-Jan-22 (CTTL, No.J22X00406)	Jan-23

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: August 23, 2022

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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) 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-mounted 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"

Additional Documentation:

c) 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%.

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Measurement Conditions

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

DASY Version	DASY52	52.10.4
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	5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz	

Head TSL parameters at 5250MHz

The following parameters and calculations were applied.

	Temperature	**Permittivity**	**Conductivity**
Nominal Head TSL parameters	22.0 ℃	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) ℃	36.3 ± 6 %	4.64 mho/m ± 6 %
Head TSL temperature change during test	<1.0 ℃	----	----

SAR result with Head TSL at 5250MHz

SAR averaged over 1 cm^3 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.95 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**79.7 W/kg ± 24.4 % (*k*=2)**
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**22.8 W/kg ± 24.2 % (*k*=2)**

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Head TSL parameters at 5600MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 ℃	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ±0.2) ℃	35.2 ±6 %	5.01 mho/m ±6 %
Head TSL temperature change during test	<1.0 ℃	—	—

SAR result with Head TSL at 5600MHz

SAR averaged over 1 cm^3 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.28 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**82.6 W/kg ±24.4 % (*k*=2)**
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.37 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**23.6 W/kg ±24.2 % (*k*=2)**

Head TSL parameters at 5750MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 ℃	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ±0.2) ℃	35.0 ±6 %	5.18 mho/m ±6 %
Head TSL temperature change during test	<1.0 ℃	—	—

SAR result with Head TSL at 5750MHz

SAR averaged over 1 cm^3 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.87 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**78.5 W/kg ±24.4 % (*k*=2)**
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.22 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**22.1 W/kg ±24.2 % (*k*=2)**

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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 5250MHz

Impedance, transformed to feed point	48.4Ω- 3.36jΩ
Return Loss	- 28.5dB

Antenna Parameters with Head TSL at 5600MHz

Impedance, transformed to feed point	50.8Ω+ 2.69jΩ
Return Loss	- 31.1dB

Antenna Parameters with Head TSL at 5750MHz

Impedance, transformed to feed point	53.5Ω+ 2.34jΩ
Return Loss	- 27.9dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.098 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG

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DASY5 Validation Report for Head TSL Date: 2022-08-17

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1238

Communication System: CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz Duty Cycle: 1:1

Medium parameters used: f = 5250 MHz; σ = 4.643 S/m; ε_r = 36.34; ρ = 1000 kg/m^3

Medium parameters used: f = 5600 MHz; σ = 5.006 S/m; ε_r = 35.17; ρ = 1000 kg/m^3

Medium parameters used: f = 5750 MHz; σ = 5.18 S/m; ε_r = 34.96; ρ = 1000 kg/m^3

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7464; ConvF(5.43, 5.43, 5.43) @ 5250 MHz; ConvF(4.91, 4.91, 4.91) @ 5600 MHz; ConvF(4.85, 4.85, 4.85) @ 5750 MHz; Calibrated: 2022-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2022-01-12
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration /Pin=100mW, d=10mm, f=5250 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 67.66 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.27 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 65.1%
Maximum value of SAR (measured) = 18.8 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 = 68.44 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 35.2 W/kg
SAR(1 g) = 8.28 W/kg; SAR(10 g) = 2.37 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 63.5%
Maximum value of SAR (measured) = 20.1 W/kg

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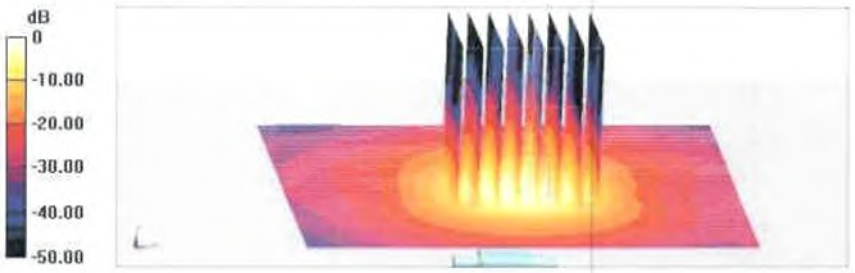
Dipole Calibration /Pin=100mW, d=10mm, f=5750 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 65.17 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 35.8 W/kg
SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.22 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 61.3%
Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.4 W/kg = 12.88 dBW/kg

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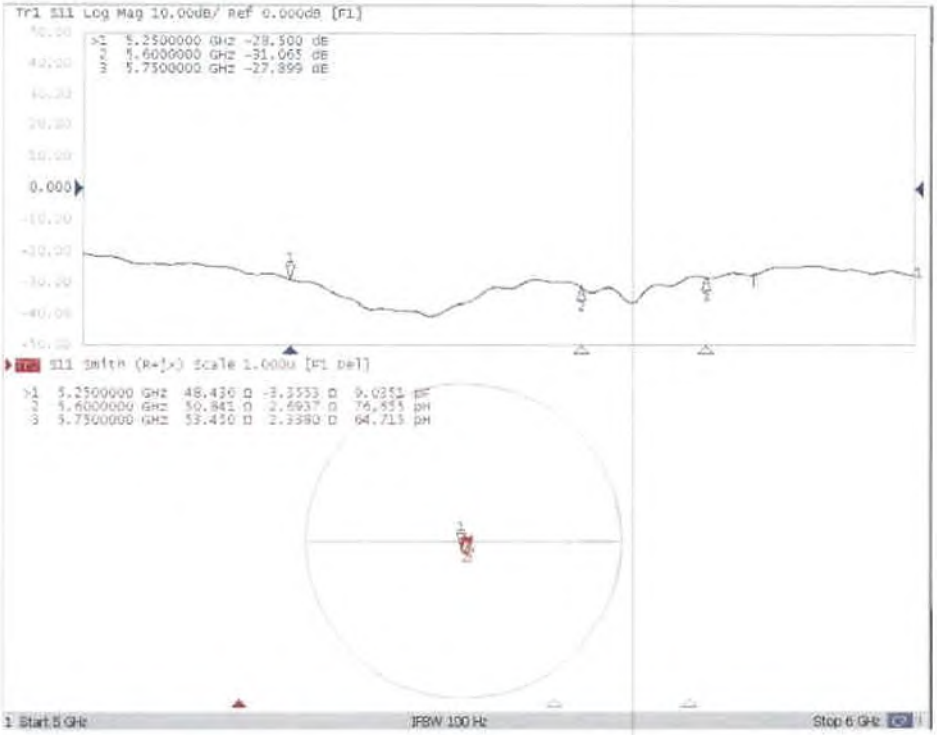
Impedance Measurement Plot for Head TSL



ANNEX J: Extended Calibration SAR Dipole

Referring to KDB865664 D01, if dipoles are verified in return loss (<-20dBm, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

Justification of Extended Calibration SAR Dipole D835V2 - serial no. 4d057

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2021-10-18	-27.5	/	49.8	/	-4.19	/
2022-10-18	-26.8	2.5	51.4	1.6	-3.97	0.22

Justification of Extended Calibration SAR Dipole D1900V2 - serial no. 5d088

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2021-10-18	-22.6	/	53.7	/	6.80	/
2022-10-18	-22.2	1.8	54.6	0.9	6.93	0.13

Justification of Extended Calibration SAR Dipole D2300V2 - serial no. 1059

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2021-09-22	-26.5	/	48.6	/	-4.46	/
2022-09-22	-25.8	2.6	49.8	1.2	-4.32	0.14

Justification of Extended Calibration SAR Dipole D2450V2 - serial no. 873

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2021-10-21	-28.8	/	53.6	/	1.26	/
2022-10-20	-28.1	2.4	54.9	1.3	1.43	0.17

Justification of Extended Calibration SAR Dipole D2550V2 - serial no.1010

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2021-05-21	-26.8	/	52.8	/	-3.80	/
2022-05-20	-26.3	1.9	53.6	0.8	-3.64	0.16
2023-05-20	-25.9	3.4	54.1	1.3	-3.57	0.23

The Return-Loss is <-20dB, and within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the value result should support extended cabration.

ANNEX K: Sensor Triggering Data Summary

Per FCC KDB Publication 616217 D04, this device was tested by the manufacturer to determine the proximity sensor triggering distances for all applicable sides and edges of the device. The measured output power at distances within ± 5 mm of the triggering points (or until touching the phantom) is included for back side and each applicable edge per Step i) in Section 6.2 of the KDB. The technical descriptions in the filing contain the complete set of triggering data required by Section 6 of FCC KDB Publication 616217 D04.

To ensure all production units are compliant, it is necessary to test SAR at a distance 1 mm less than the smallest distance between the device and SAR phantom with the device at the maximum output power (without power reduction). These SAR tests are included in addition to the SAR tests for the device touching the SAR phantom (at the reduced output power level).

The operational description contains information explaining how this device remains compliant in the event of a sensor malfunction.

WWAN Antenna:

Rear Side

Moving device toward the phantom:

sensor triggered (Yes or No)											
Distance(mm)	30	29	28	27	26	25	24	23	22	21	20
Main antenna	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes

Moving device away from the phantom:

sensor triggered (Yes or No)											
Distance(mm)	20	21	22	23	24	25	26	27	28	29	30
Main antenna	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No

Based on the most conservative measured triggering distance of 25 mm, additional SAR measurements were required at 24 mm in the rear side.

Top Side

Moving device toward the phantom:

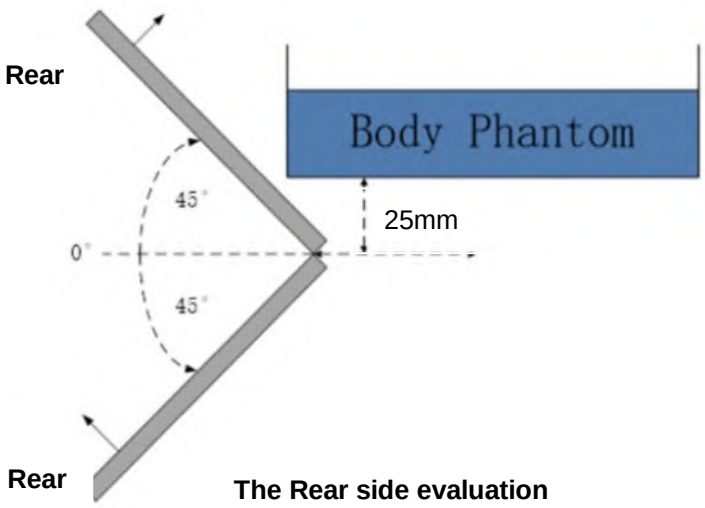
sensor triggered (Yes or No)											
Distance(mm)	25	24	23	22	21	20	19	18	17	16	15
Main antenna	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes

Moving device away from the phantom:

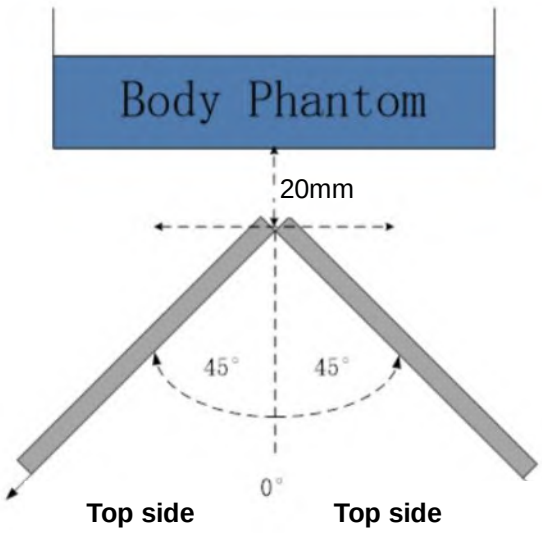
sensor triggered (Yes or No)											
Distance(mm)	15	16	17	18	19	20	21	22	23	24	25
Main antenna	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No

Based on the most conservative measured triggering distance of 20 mm, additional SAR measurements were required at 19 mm in the top side

The influence of table tilt angles to proximity sensor triggering is determined by positioning each edge that contains a transmitting antenna, perpendicular to the flat phantom, at the smallest sensor triggering test distance by rotating the device around the edge next to the phantom in ≤ 10° increments until the tablet is ±45°or more from the vertical position at 0°.



The Rear side evaluation



The Top side evaluation

Based on the above evaluation, we come to the conclusion that the sensor triggering is not released and normal maximum output power is not restored within the ±45° range at the smallest sensor triggering test distance declared by manufacturer.

ANNEX L: Spot Check Test

As the test lab for T5711 from Shanghai Sunmi Technology Co.,Ltd., we, Shenzhen Academy of Information and Communications Technology, declare on our sole responsibility that, according to "Justification Letter" provided by applicant, only the Spot check test should be performed. The test results are as below.

L.1. Internal Identification of EUT used during the spot check test

EUT ID*	IMEI	HW Version	SW Version	Receipt Date
UT12aa	865506060002888	Bgf6d	SP6610A_V003_20230409_sunmi_CS	2023-05-25

L.2. Measurement results

Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
C1	Body	GSM850	251	848.8	GPRS(3TX)	Rear	0mm	Original data	25.86	26.0	**0.983**	**1.02**	0.587	**0.61**	0.07
C1	Body	GSM850	251	848.8	GPRS(3TX)	Rear	0mm	Spot check data	25.86	26.0	0.565	**0.58**	0.318	**0.33**	0.06
C1	Body	WCDMA Band 2	9400	1880.0	RMC	Rear	0mm	Original data	17.57	18.5	**0.991**	**1.23**	0.562	**0.70**	0.01
C1	Body	WCDMA Band 2	9400	1880.0	RMC	Rear	0mm	Spot check data	17.57	18.5	0.981	**1.22**	0.527	**0.65**	0.10
C1	Body	WCDMA Band 4	1513	1752.6	RMC	Rear	0mm	Original data	17.45	18.5	**0.956**	**1.22**	0.504	**0.64**	0.05
C1	Body	WCDMA Band 4	1513	1752.6	RMC	Rear	0mm	Spot check data	17.45	18.5	0.918	**1.17**	0.482	**0.61**	-0.03
C1	Body	WCDMA Band 5	4233	846.6	RMC	Rear	0mm	Original data	21.73	22.5	**0.916**	**1.09**	0.546	**0.65**	0.09
C1	Body	WCDMA Band 5	4233	846.6	RMC	Rear	0mm	Spot check data	21.73	22.5	0.915	**1.09**	0.535	**0.64**	0.17
C1	Body	LTE Band 7	20850	2510.0	1RB99	Rear	0mm	Original data	15.49	16.5	**1.090**	**1.38**	0.516	**0.65**	-0.06
C1	Body	LTE Band 7	20850	2510.0	1RB99	Rear	0mm	Spot check data	15.49	16.5	0.911	**1.15**	0.418	**0.53**	0.08
C1	Body	LTE Band 12	23095	707.5	1RB24	Rear	0mm	Original data	22.79	23.5	**0.983**	**1.16**	0.615	**0.72**	0.02
C1	Body	LTE Band 12	23095	707.5	1RB24	Rear	0mm	Spot check data	22.79	23.5	0.884	**1.04**	0.507	**0.60**	0.05
B1	Body	LTE Band 13	23230	782.0	1RB24	Rear	0mm	Original data	23.98	24.5	**0.739**	**0.83**	0.455	**0.51**	0.19
B1	Body	LTE Band 13	23230	782.0	1RB24	Rear	0mm	Spot check data	23.98	24.5	0.718	**0.81**	0.400	**0.45**	0.08
B1	Body	LTE Band 14	23330	793.0	1RB24	Rear	0mm	Original data	23.84	24.5	**0.919**	**1.07**	0.529	**0.62**	0.19
B1	Body	LTE Band 14	23330	793.0	1RB24	Rear	0mm	Spot check data	23.84	24.5	0.826	**0.96**	0.454	**0.53**	0.18
C1	Body	LTE Band 25	26140	1860.0	1RB0	Rear	0mm	Original data	17.02	18.0	**0.937**	**1.17**	0.539	**0.68**	0.01
C1	Body	LTE Band 25	26140	1860.0	1RB0	Rear	0mm	Spot check data	17.02	18.0	0.920	**1.15**	0.479	**0.60**	-0.08
C1	Body	LTE Band 26	26965	841.5	1RB0	Rear	0mm	Original data	22.32	23.0	**1.080**	**1.26**	0.652	**0.76**	0.04
C1	Body	LTE Band 26	26965	841.5	1RB0	Rear	0mm	Spot check data	22.32	23.0	0.952	**1.11**	0.542	**0.63**	0.14
C1	Body	LTE Band 30	27710	2310.0	1RB24	Rear	0mm	Original data	15.78	16.5	**0.938**	**1.11**	0.510	**0.60**	0.07
C1	Body	LTE Band 30	27710	2310.0	1RB24	Rear	0mm	Spot check data	15.78	16.5	0.863	**1.02**	0.437	**0.52**	0.02
C1	Body	LTE Band 66	132322	1745.0	1RB0	Rear	0mm	Original data	18.73	19.5	**1.090**	**1.30**	0.580	**0.69**	0.01
C1	Body	LTE Band 66	132322	1745.0	1RB0	Rear	0mm	Spot check data	18.73	19.5	1.010	**1.21**	0.508	**0.61**	-0.02
C1	Body	LTE Band 71	133372	688.0	1RB50	Rear	0mm	Original data	22.98	24.0	**1.020**	**1.29**	0.623	**0.79**	0.08
C1	Body	LTE Band 71	133372	688.0	1RB50	Rear	0mm	Spot check data	22.98	24.0	0.625	**0.79**	0.361	**0.46**	0.11
C1	Body	LTE Band 41	40620	2593.0	1RB50	Rear	0mm	Original data	17.21	18.0	**0.966**	**1.16**	0.462	**0.55**	-0.07
C1	Body	LTE Band 41	40620	2593.0	1RB50	Rear	0mm	Spot check data	17.21	18.0	0.777	**0.93**	0.342	**0.41**	0.11
/	Body	Bluetooth	78	2480.0	GFSK	Rear	0mm	Original data	10.52	11.5	<0.01	**<0.01**	<0.01	**<0.01**	/
/	Body	Bluetooth	78	2480.0	GFSK	Rear	0mm	Spot check data	10.52	11.5	<0.01	**<0.01**	<0.01	**<0.01**	/
/	Body	WLAN 2.4GHz	11	2462.0	802.11b	Rear	0mm	Original data	15.76	16.5	**0.048**	**0.06**	0.023	**0.03**	0.06
/	Body	WLAN 2.4GHz	11	2462.0	802.11b	Rear	0mm	Spot check data	15.76	16.5	0.113	**0.13**	0.056	**0.07**	0.04
/	Body	U-NII-2A	64	5320.0	802.11a	Rear	0mm	Original data	14.01	15.0	**0.142**	**0.18**	0.064	**0.08**	0.03
/	Body	U-NII-2A	64	5320.0	802.11a	Rear	0mm	Spot check data	14.01	15.0	0.155	**0.19**	0.038	**0.05**	-0.07

L.3. Graph Results for Spot Check

GSM 850 Body

Date: 2023-6-16

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.941 S/m; ε_r = 40.57; ρ = 1000 kg/m^3

Communication System: UID 0, 3 slot GPRS (0) Frequency: 848.8 MHz Duty Cycle: 1:2.67

Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

Rear Side High/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.906 W/kg

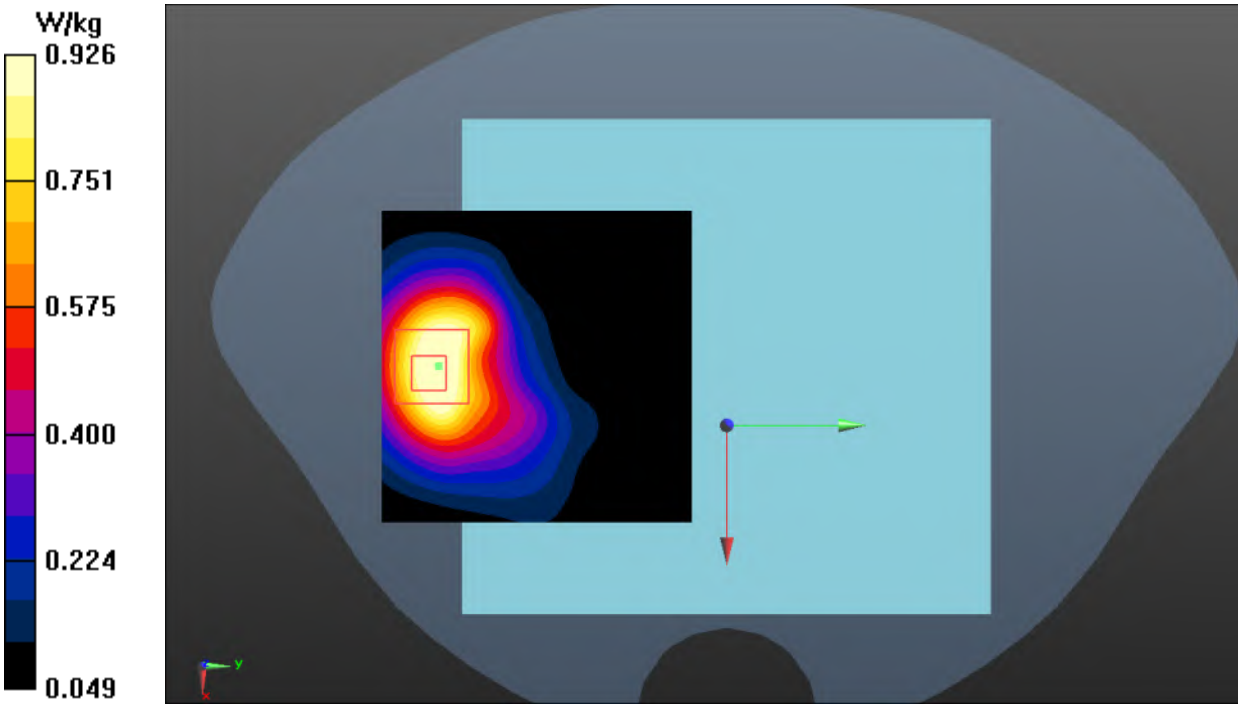
Rear Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.124 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.318 W/kg

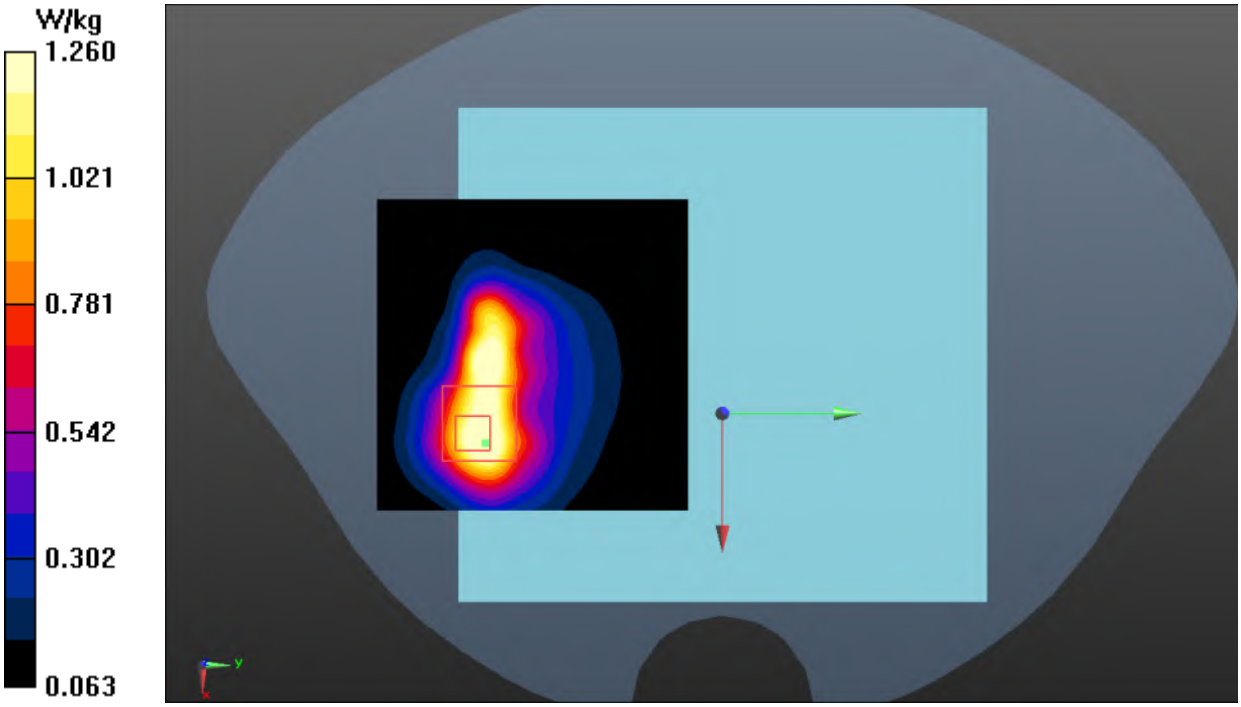
Maximum value of SAR (measured) = 0.926 W/kg



WCDMA Band 2 Body
Date: 2023-6-20
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.364 S/m; ε_r = 39.312; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

Rear Side Middle/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

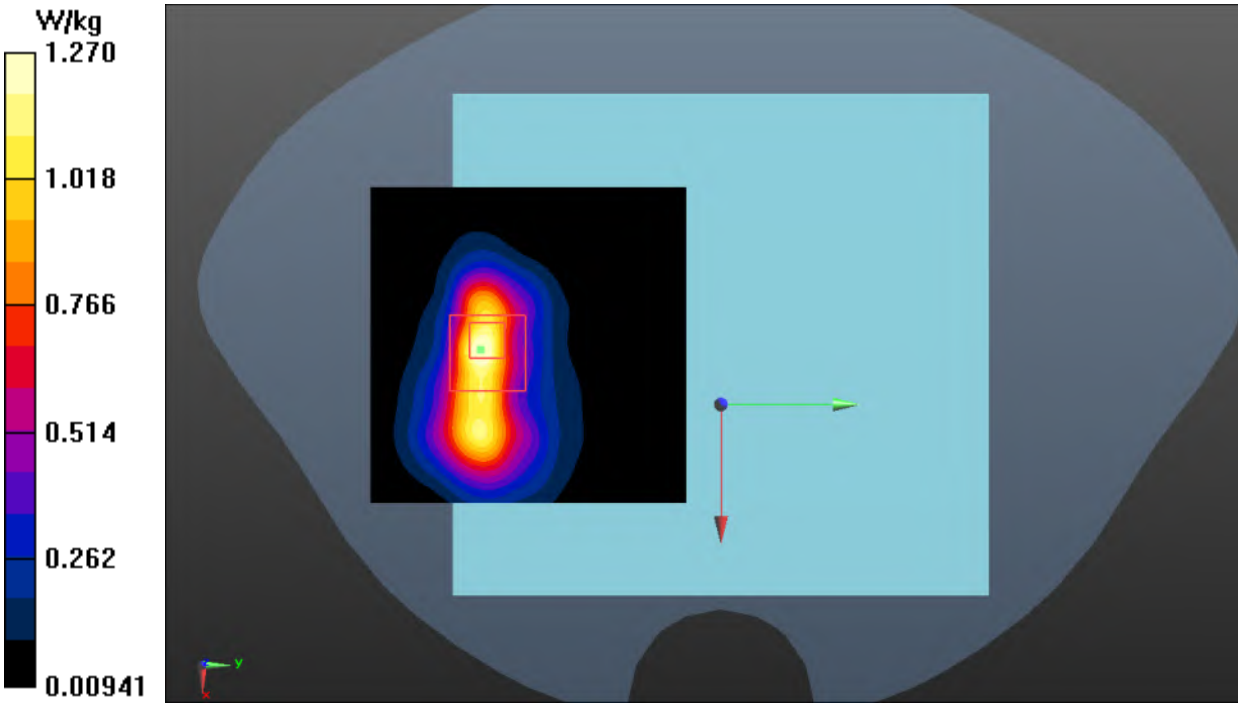
Rear Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.281 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.527 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



WCDMA Band 4 Body
Date: 2023-6-18
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.361 S/m; ε_r = 40.563; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 1752.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

Rear Side High/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

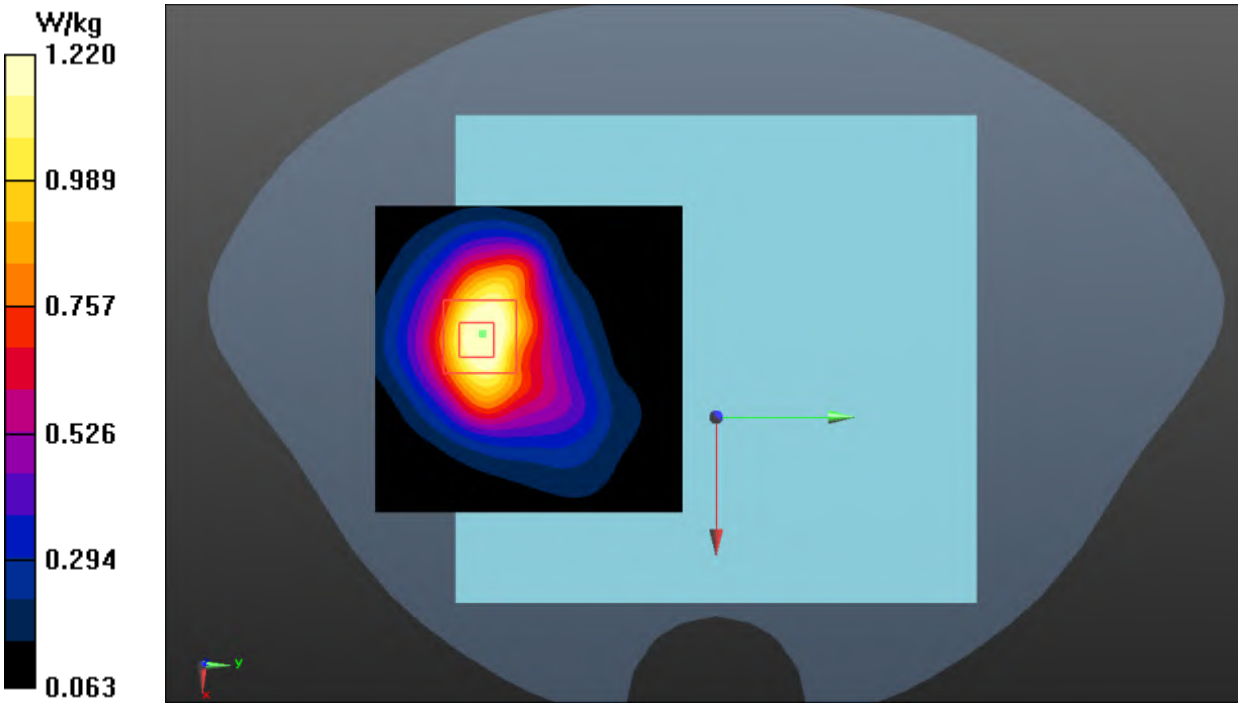
Rear Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.017 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.482 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



WCDMA Band 5 Body
Date: 2023-6-16
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.939 S/m; ε_r = 40.597; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 846.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

Rear Side High/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

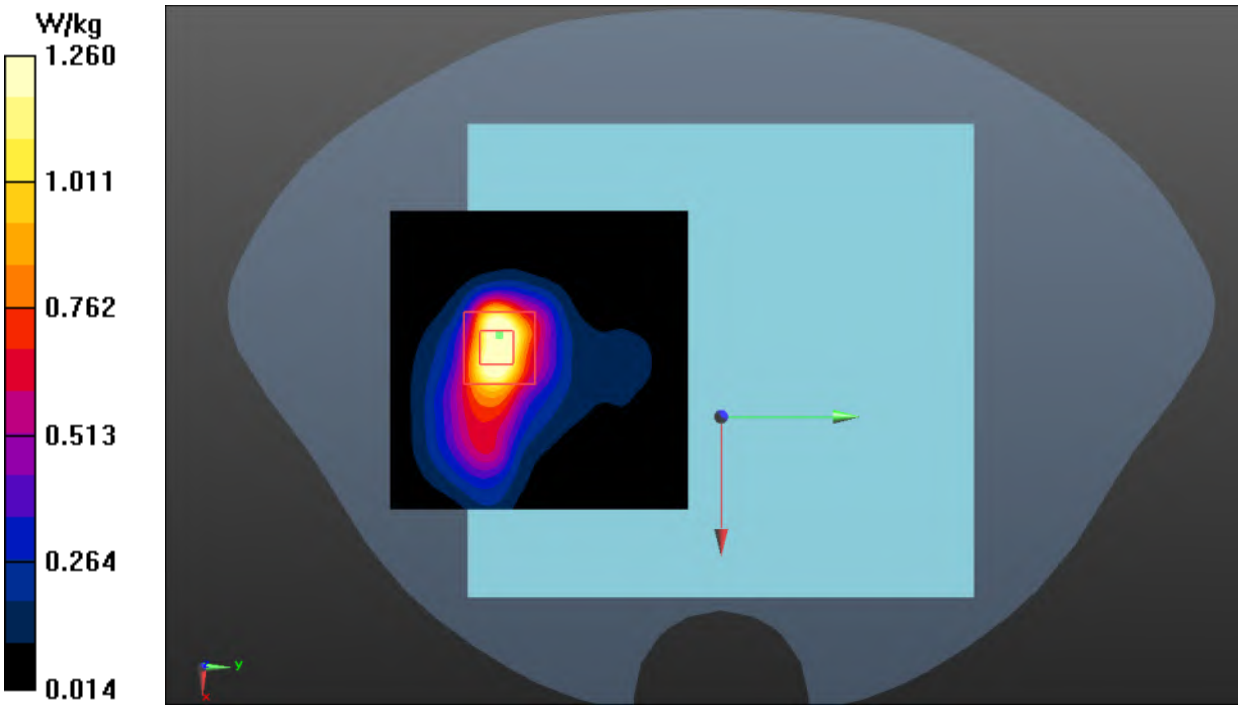
Rear Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.642 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.535 W/kg
Maximum value of SAR (measured) = 1.22 W/kg



LTE Band 7 Body
Date: 2023-6-26
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used: f = 2510 MHz; σ = 1.894 S/m; ε_r = 38.659; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 2510 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

Rear Side Low 1RB99/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

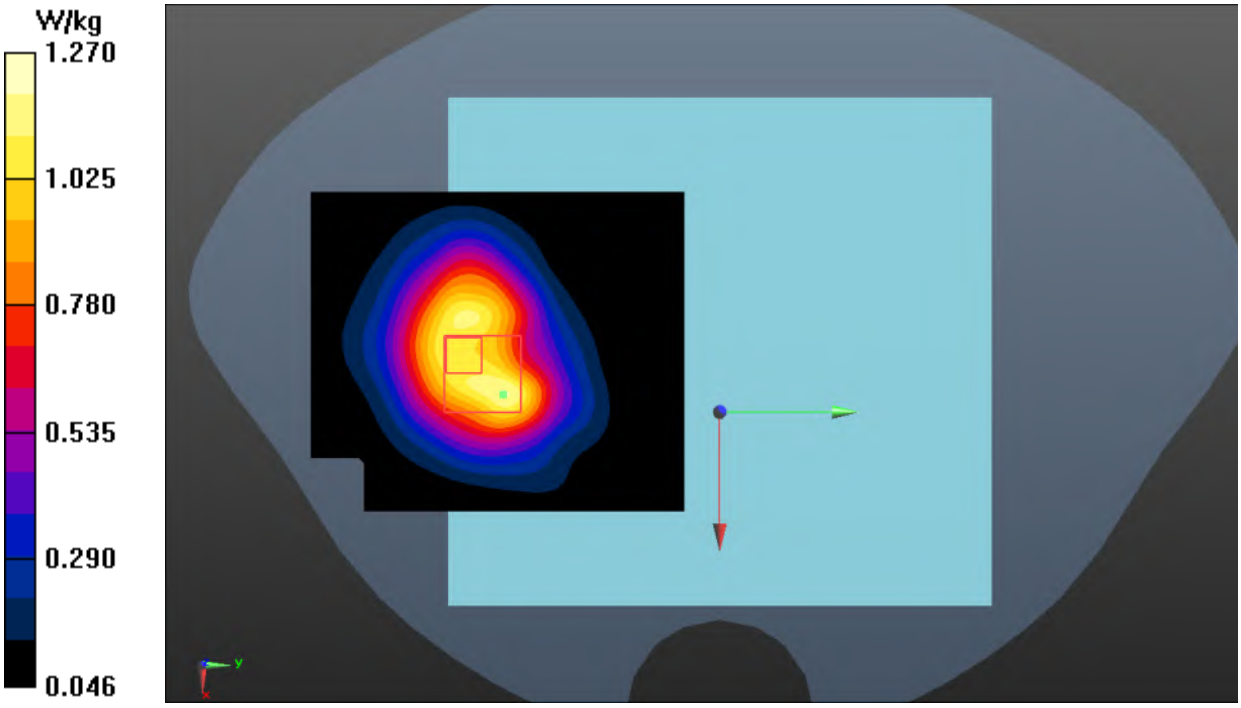
Rear Side Low 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.4850 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.418 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



LTE Band 12 Body
Date: 2023-6-19
Electronics: DAE4 Sn786
Medium: Head 750MHz
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.886 S/m; ε_r = 41.395; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 707.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

Rear Side Middle 1RB24/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

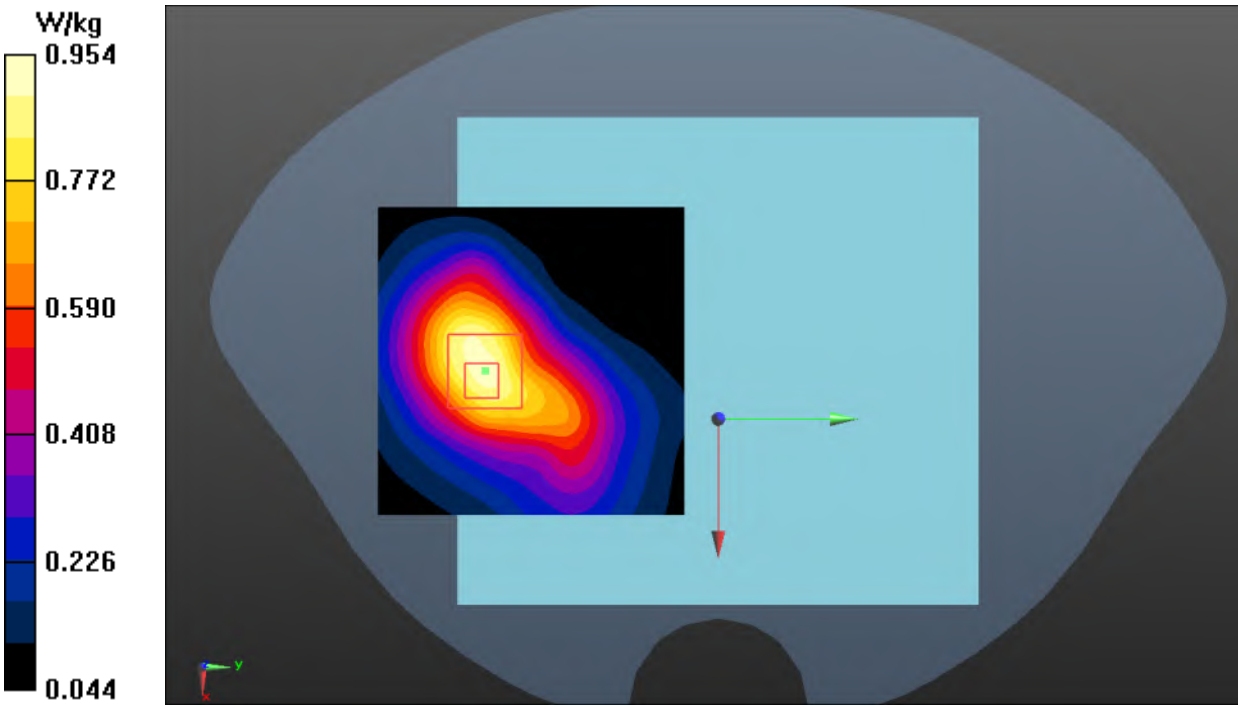
Rear Side Middle 1RB24/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.638 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.884 W/kg; SAR(10 g) = 0.507 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



LTE Band 13 Body
Date: 2023-6-19
Electronics: DAE4 Sn786
Medium: Head 750MHz
Medium parameters used: f = 782 MHz; σ = 0.923 S/m; ε_r = 40.501; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

Rear Side Middle 1RB24/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.933 W/kg

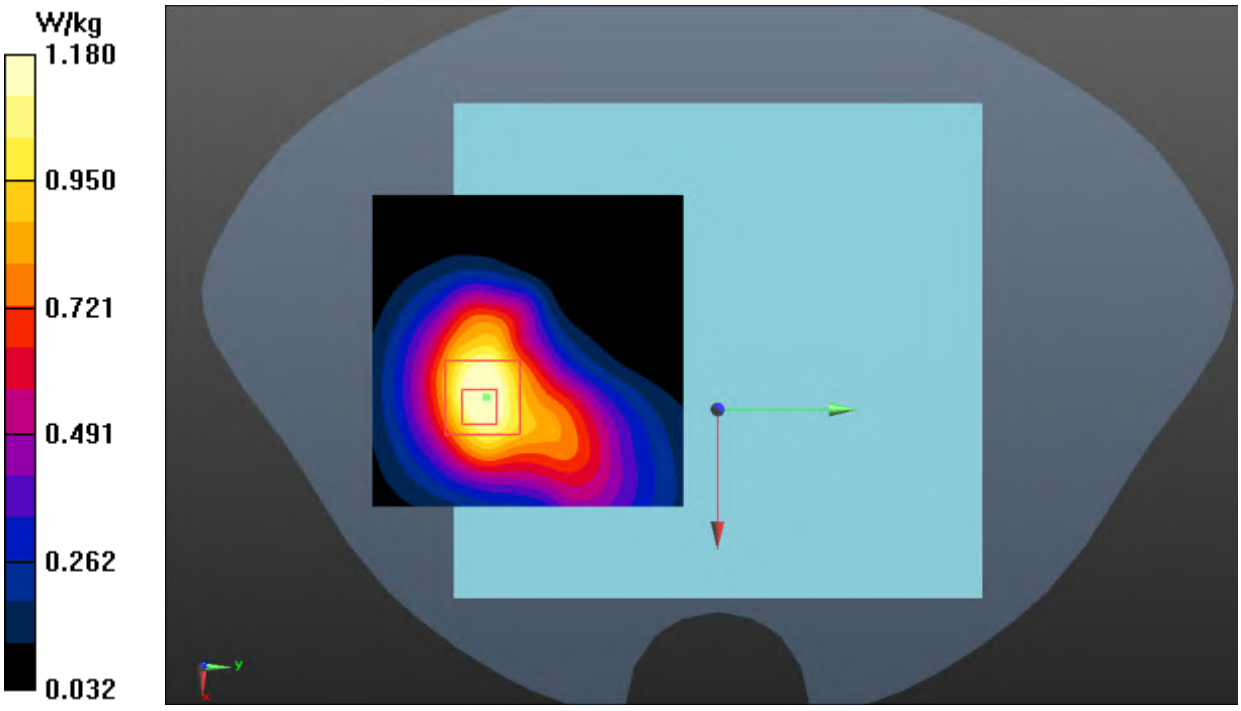
Rear Side Middle 1RB24/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.285 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.718 W/kg; SAR(10 g) = 0.400 W/kg
Maximum value of SAR (measured) = 0.954 W/kg



LTE Band 14 Body
Date: 2023-6-19
Electronics: DAE4 Sn786
Medium: Head 750MHz
Medium parameters used (interpolated): f = 793 MHz; σ = 0.928 S/m; ε_r = 40.369; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 793 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

Rear Side Middle 1RB24/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

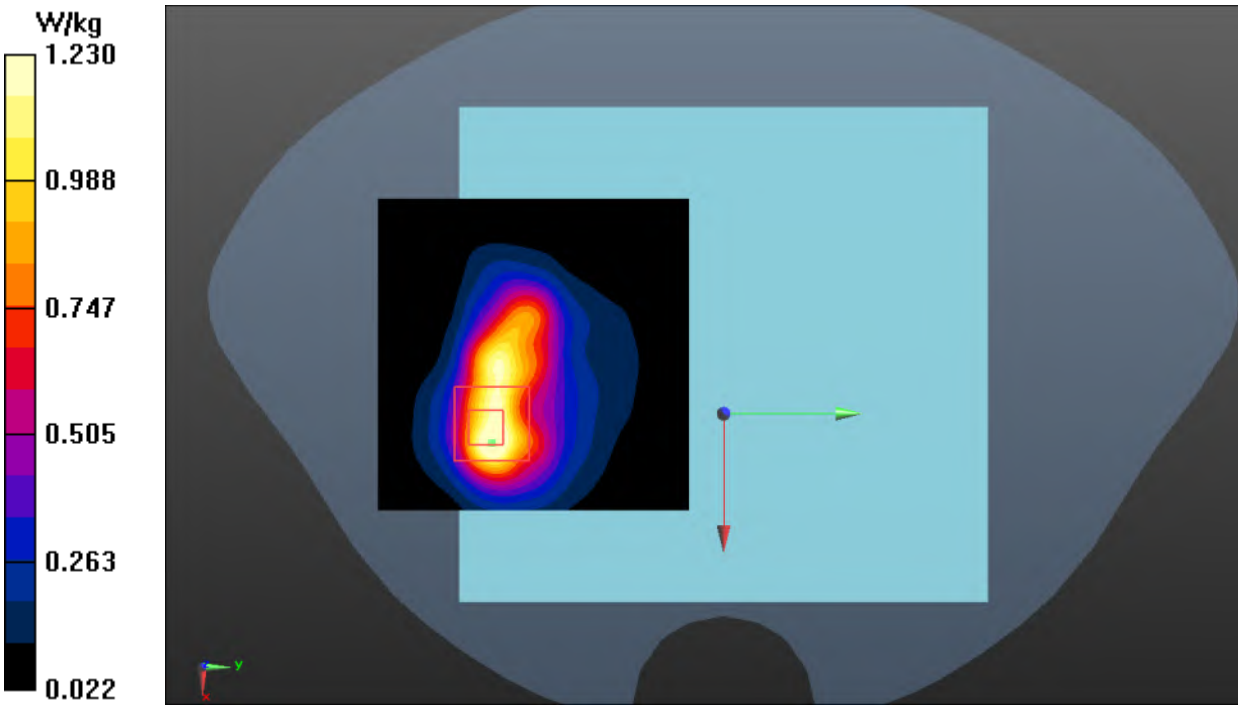
Rear Side Middle 1RB24/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.854 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.454 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



LTE Band 25 Body
Date: 2023-6-20
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1860 MHz; σ = 1.347 S/m; ε_r = 39.391; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

Rear Side Low 1RB0/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.27 W/kg

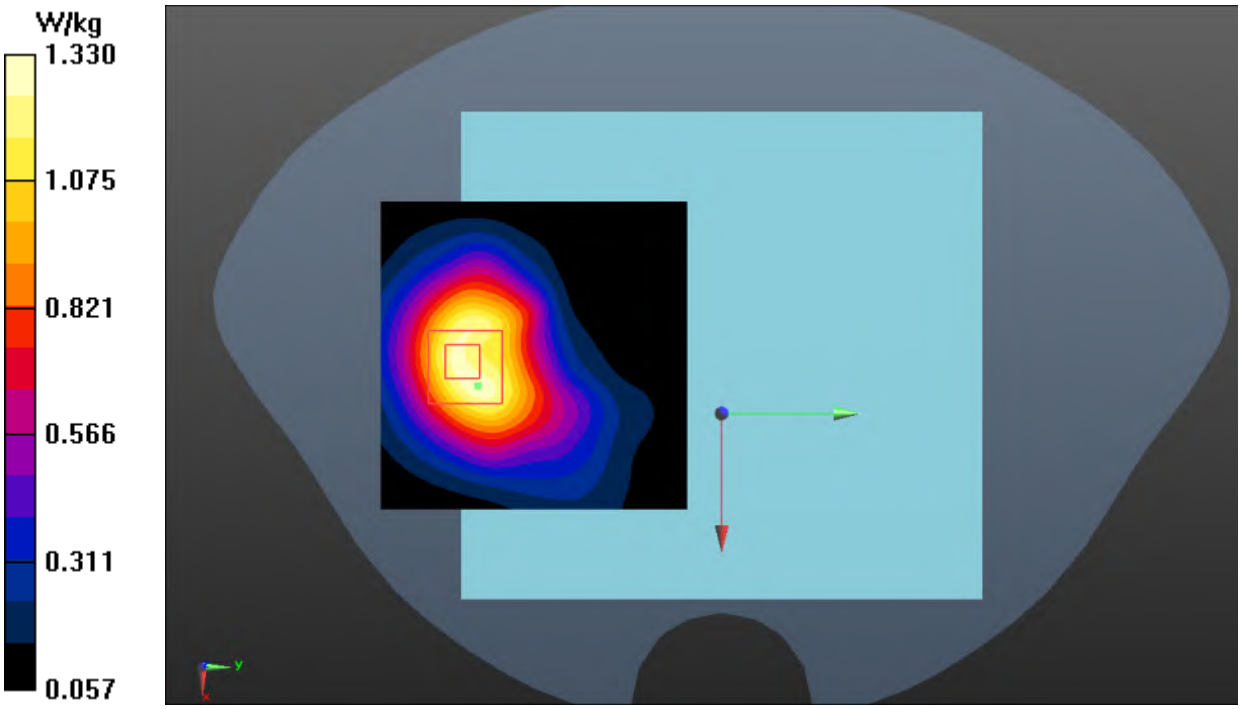
Rear Side Low 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.776 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.479 W/kg
Maximum value of SAR (measured) = 1.23 W/kg



LTE Band 26 Body
Date: 2023-6-16
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.934 S/m; ε_r = 40.658; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 841.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

Rear Side High 1RB0/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

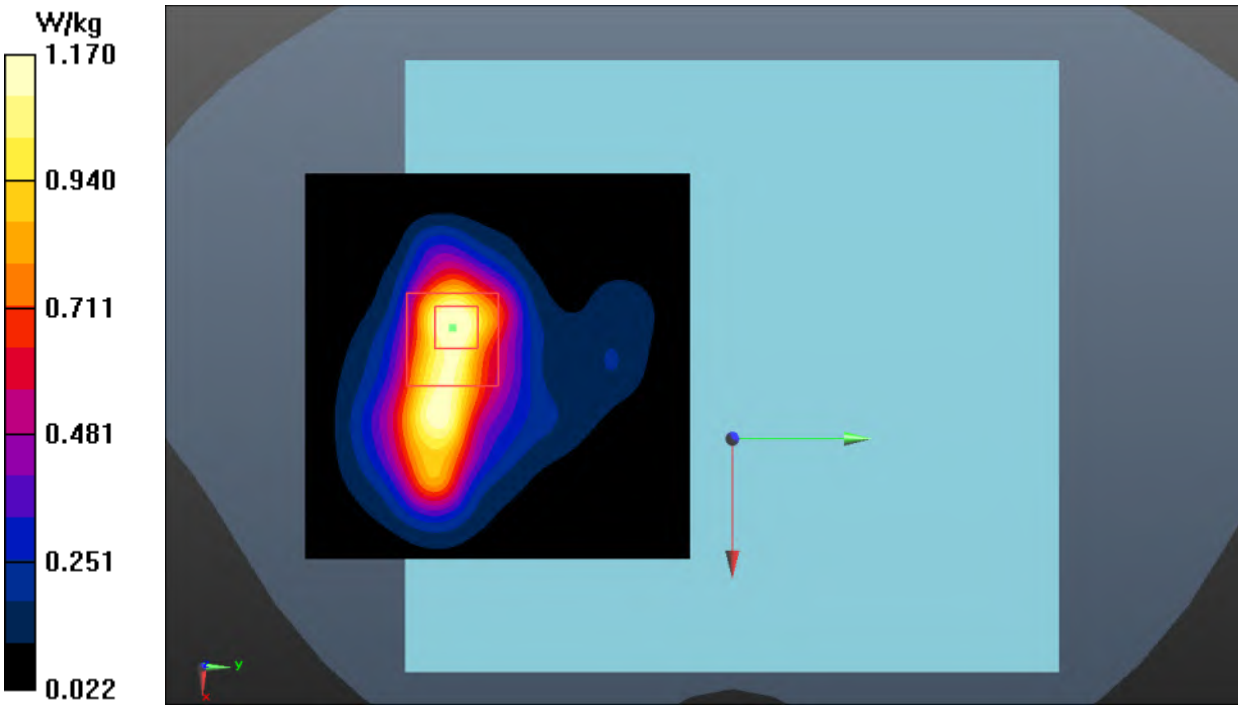
Rear Side High 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.916 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.952 W/kg; SAR(10 g) = 0.542 W/kg
Maximum value of SAR (measured) = 1.33 W/kg



LTE Band 30 Body
Date: 2023-6-22
Electronics: DAE4 Sn786
Medium: Head 2300MHz
Medium parameters used: f = 2310 MHz; σ = 1.66 S/m; ε_r = 39.882; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 2310 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.30, 8.30, 8.30)

Rear Side Middle 1RB24/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

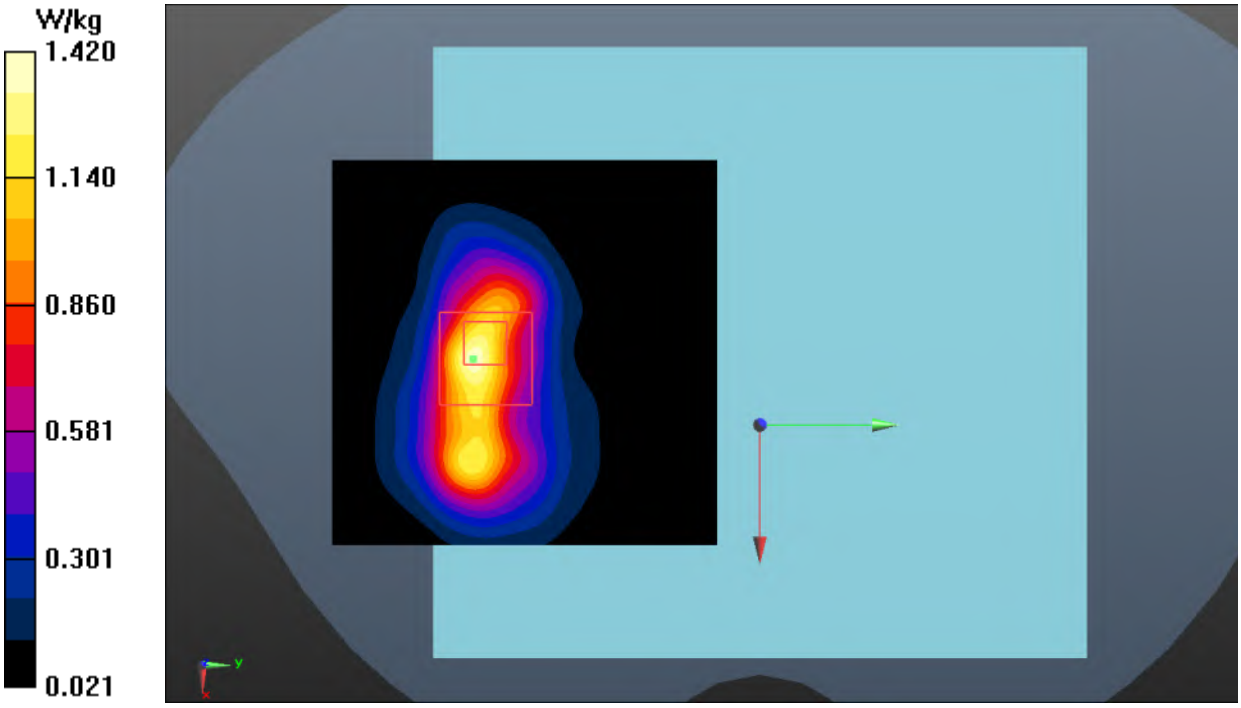
Rear Side Middle 1RB24/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.824 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.437 W/kg
Maximum value of SAR (measured) = 1.17 W/kg



LTE Band 66 Body
Date: 2023-6-18
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.355 S/m; ε_r = 40.593; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

Rear Side Middle 1RB0/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.49 W/kg

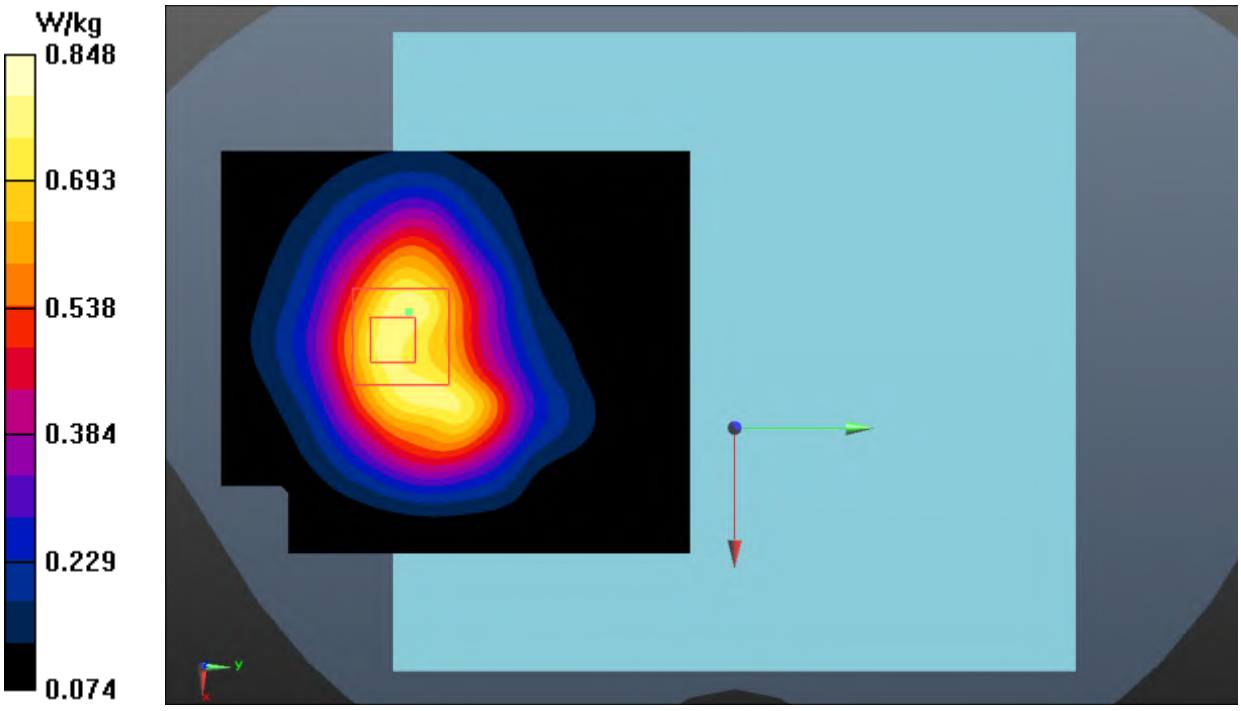
Rear Side Middle 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.536 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.508 W/kg
Maximum value of SAR (measured) = 1.42 W/kg



LTE Band 71 Body
Date: 2023-6-19
Electronics: DAE4 Sn786
Medium: Head 750MHz
Medium parameters used: f = 688 MHz; σ = 0.873 S/m; ε_r = 41.629; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 688 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

Rear Side High 1RB50/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.831 W/kg

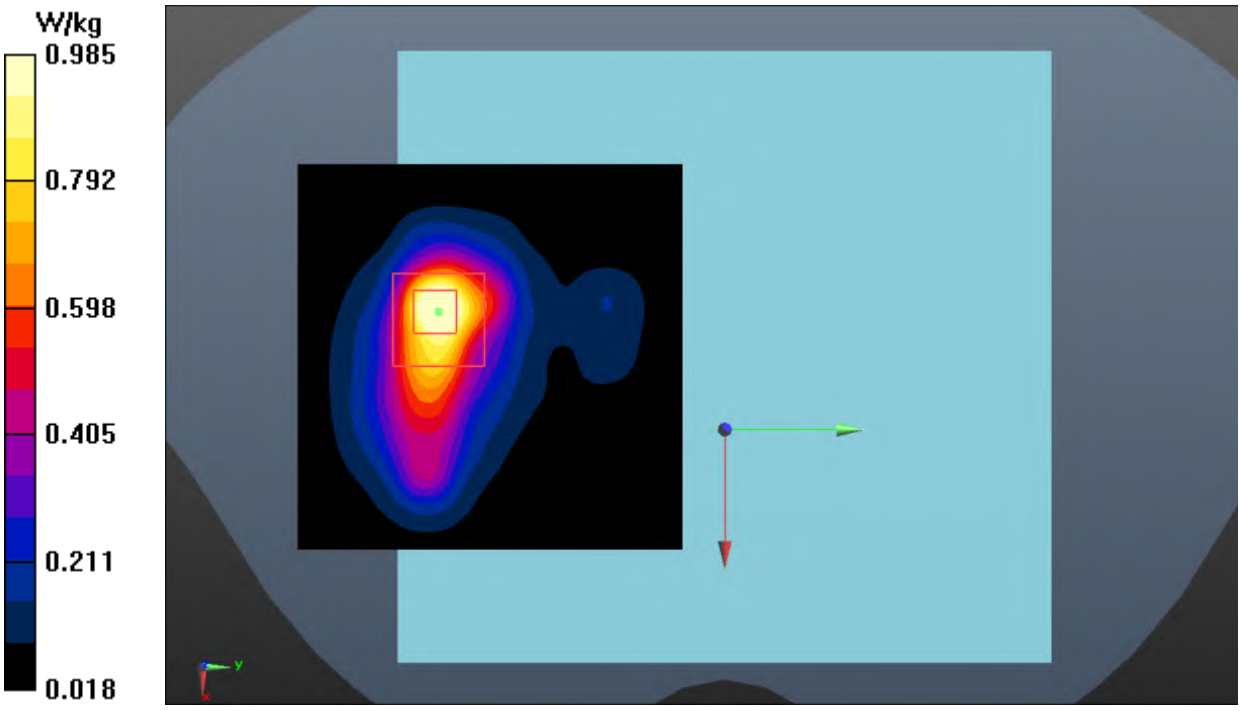
Rear Side High 1RB50/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.147 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.361 W/kg
Maximum value of SAR (measured) = 0.848 W/kg



LTE Band 41 Body
Date: 2023-6-26
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2593 MHz; σ = 1.992 S/m; ε_r = 38.385; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2593 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7683 ConvF (7.76, 7.76, 7.76)

Rear Side Middle 1RB50/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.957 W/kg

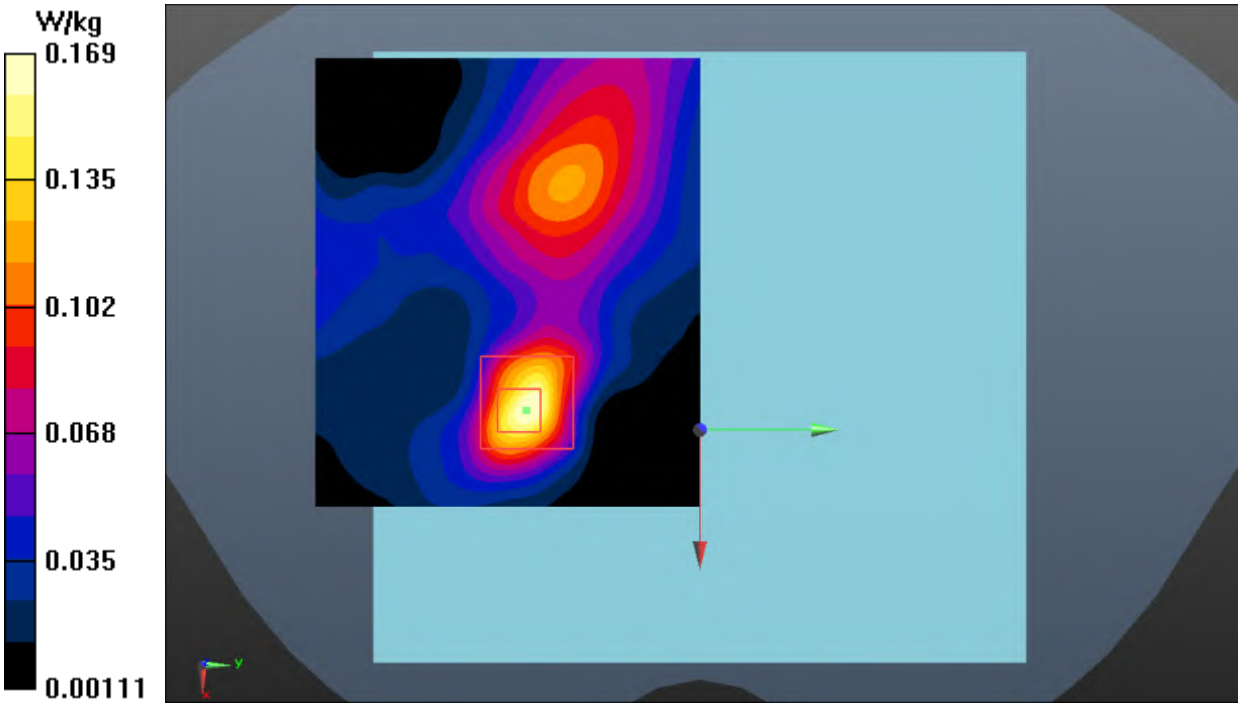
Rear Side Middle 1RB50/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.645 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.777 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 0.985 W/kg



WLAN 2.4GHz Body
Date: 2023-7-12
Electronics: DAE4 Sn786
Medium: Head 2450MHz
Medium parameters used: f = 2462 MHz; σ = 1.863 S/m; ε_r = 38.332; ρ = 1000 kg/m^3
Communication System: UID 0, WLAN (0) Frequency: 2462 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

Rear Side Ch.11/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.138 W/kg

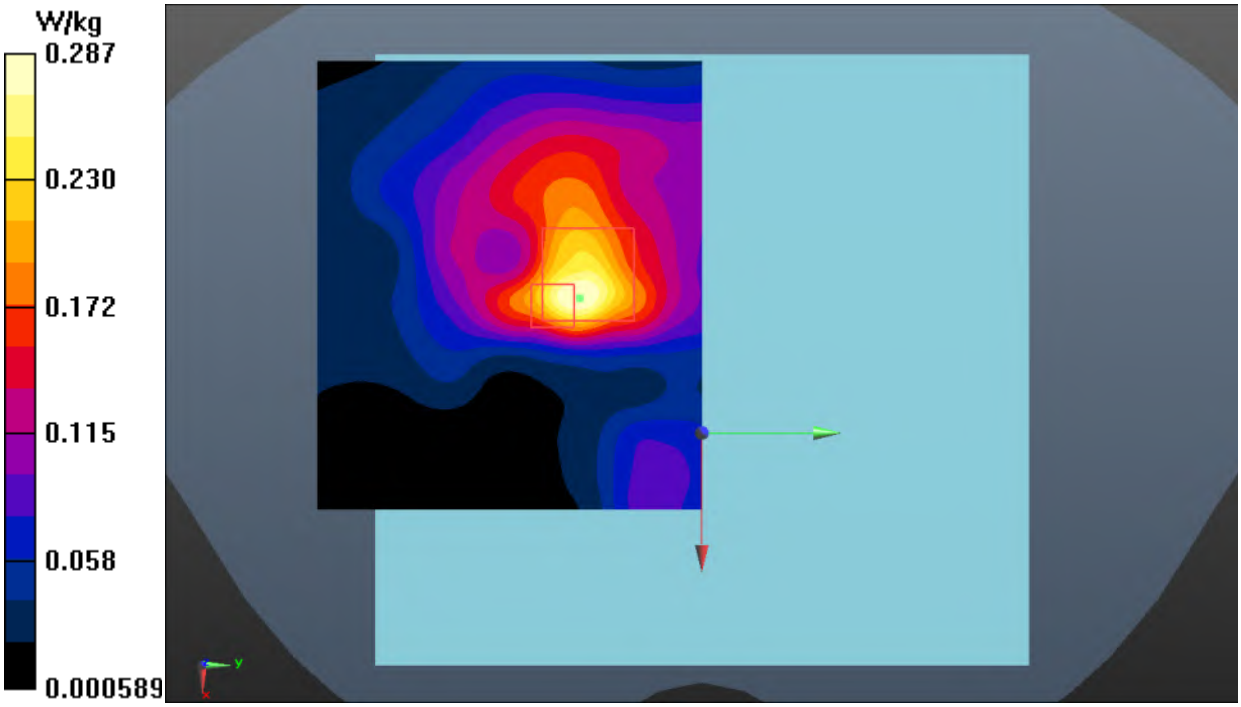
Rear Side Ch.11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.855 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.169 W/kg



WLAN 5GHz Body
Date: 2023-7-10
Electronics: DAE4 Sn786
Medium: Head 5250MHz
Medium parameters used: f = 5320 MHz; σ = 4.891 S/m; ε_r = 34.985; ρ = 1000 kg/m^3
Communication System: UID 0, WLAN 5G (0) Frequency: 5320 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (5.72, 5.72, 5.72)

Rear Side Ch.64/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.309 W/kg

Rear Side Ch.64/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 2.741 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.797 W/kg
SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.038 W/kg
Maximum value of SAR (measured) = 0.287 W/kg



L.4. System Verification Results for Spot Check

750MHz

Date: 2023-6-19

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used: f = 750 MHz; σ = 0.913 S/m; ε_r = 40.885; ρ = 1000 kg/m^3

Communication System: CW Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

System Validation/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 63.527 V/m; Power Drift = 0.03 dB

SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (interpolated) = 2.85 W/kg

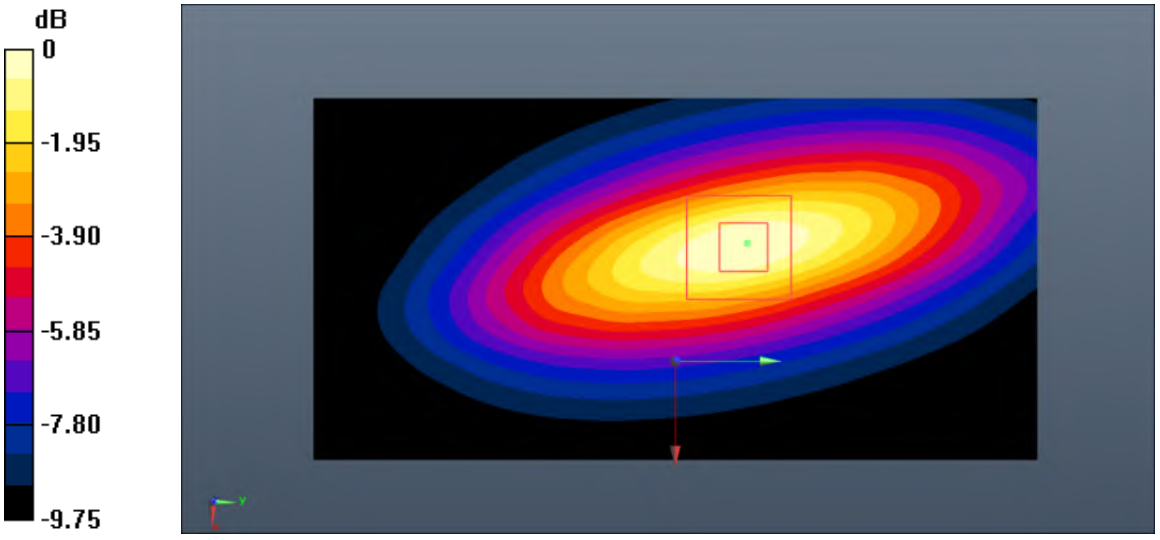
System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.527 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.52 W/kg

SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.46 W/kg

Maximum value of SAR (measured) = 2.89 W/kg

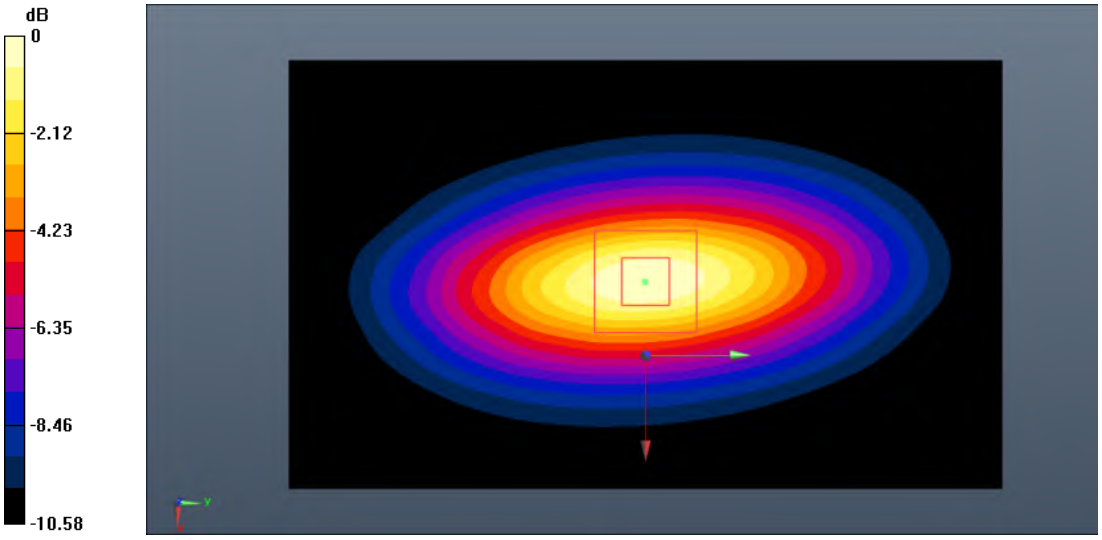


0 dB = 2.89 W/kg = 4.61 dB W/kg

835MHz
Date: 2023-6-16
Electronics: DAE4 Sn786
Medium: Head 835MHz
Medium parameters used: f = 835 MHz; σ = 0.928 S/m; εr = 40.736; ρ = 1000 kg/m^3
Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (10.75, 10.75, 10.75)

System Validation/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 63.745 V/m; Power Drift = 0.06 dB
SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.60 W/kg
Maximum value of SAR (interpolated) = 3.66 W/kg

System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.745 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 4.39 W/kg
SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.63 W/kg
Maximum value of SAR (measured) = 3.69 W/kg

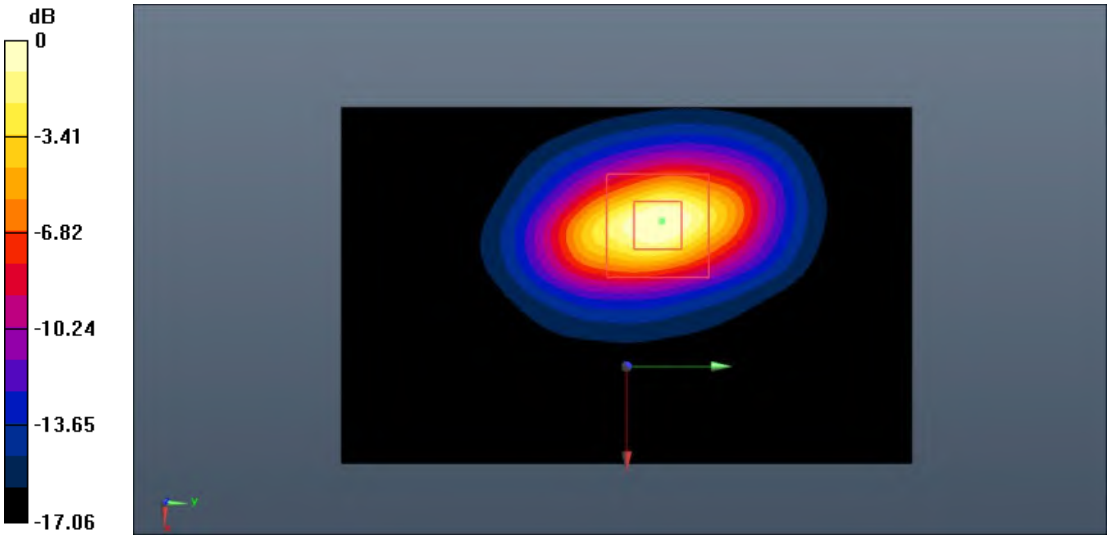


0 dB = 3.69 W/kg = 5.67 dB W/kg

1750MHz
Date: 2023-6-18
Electronics: DAE4 Sn786
Medium: Head 1750MHz
Medium parameters used: f = 1750 MHz; σ = 1.359 S/m; ε_r = 40.573; ρ = 1000 kg/m^3
Communication System: CW Frequency: 1750 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.81, 8.81, 8.81)

System Validation/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 78.669 V/m; Power Drift = -0.06 dB
SAR(1 g) = 9.10 W/kg; SAR(10 g) = 4.94 W/kg
Maximum value of SAR (interpolated) = 13.0 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 78.669 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 8.84 W/kg; SAR(10 g) = 4.82 W/kg
Maximum value of SAR (measured) = 12.8 W/kg

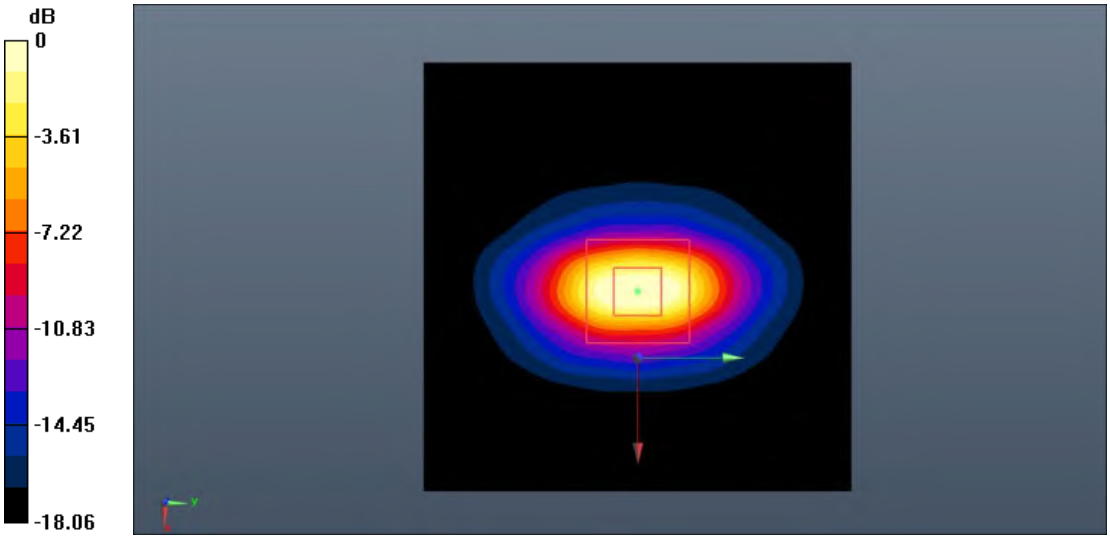


0 dB = 12.8 W/kg = 11.07 dB W/kg

1900MHz
Date: 2023-6-20
Electronics: DAE4 Sn786
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; σ = 1.382 S/m; ε_r = 39.234; ρ = 1000 kg/m^3
Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.55, 8.55, 8.55)

System Validation/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 85.123 V/m; Power Drift = -0.11 dB
SAR(1 g) = 9.92 W/kg; SAR(10 g) = 5.14 W/kg
Maximum value of SAR (interpolated) = 15.8 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.123 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 19.2 W/kg
SAR(1 g) = 9.77 W/kg; SAR(10 g) = 5.05 W/kg
Maximum value of SAR (measured) = 15.5 W/kg

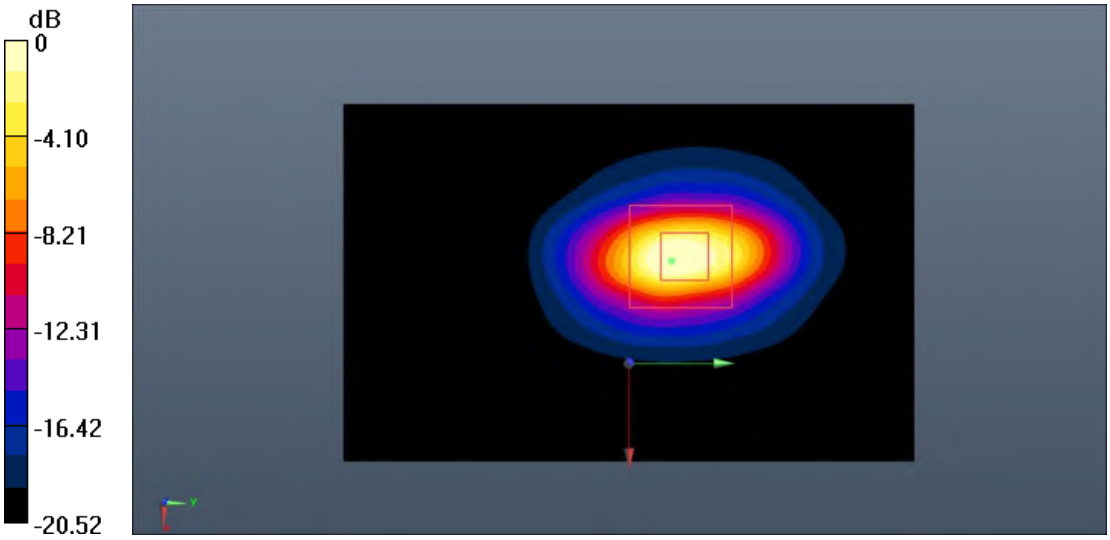


0 dB = 15.5 W/kg = 10.61 dB W/kg

2300MHz
Date: 2023-6-22
Electronics: DAE4 Sn786
Medium: Head 2300MHz
Medium parameters used: f = 2300 MHz; σ = 1.648 S/m; ε_r = 39.916; ρ = 1000 kg/m^3
Communication System: CW Frequency: 2300 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.30, 8.30, 8.30)

System Validation/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 90.556 V/m; Power Drift = -0.05 dB
SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.67 W/kg
Maximum value of SAR (interpolated) = 20.1 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.556 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 26.2 W/kg
SAR(1 g) = 11.6 W/kg; SAR(10 g) = 5.54 W/kg
Maximum value of SAR (measured) = 19.8 W/kg

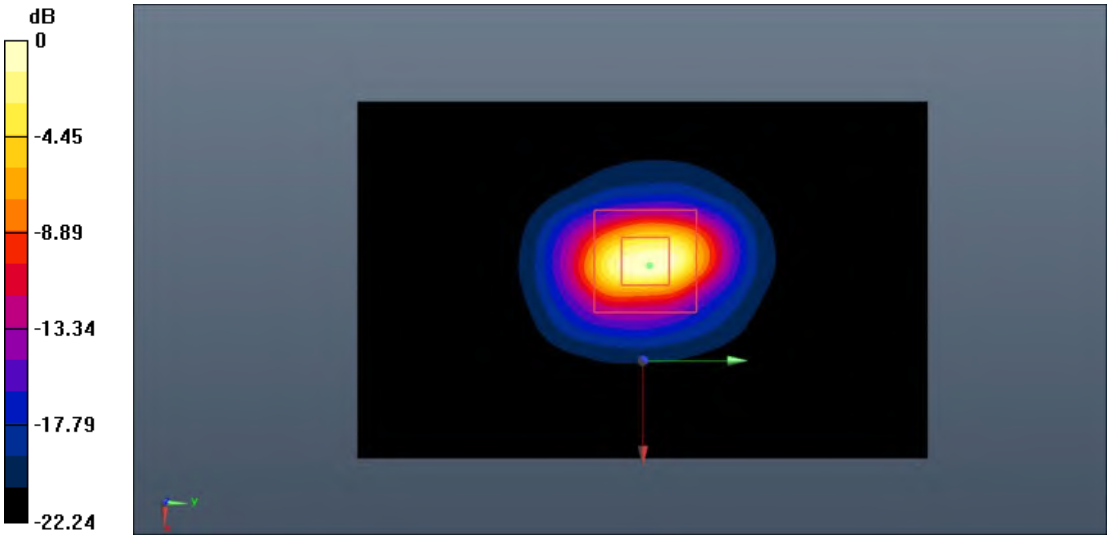


0 dB = 19.8 W/kg = 12.97 dB W/kg

2450MHz
Date: 2023-7-12
Electronics: DAE4 Sn786
Medium: Head 2450MHz
Medium parameters used: f = 2450 MHz; σ = 1.849 S/m; ε_r = 38.372; ρ = 1000 kg/m^3
Communication System: CW Frequency: 2450 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

System Validation/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 97.065 V/m; Power Drift = 0.12 dB
SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.07 W/kg
Maximum value of SAR (interpolated) = 22.5 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 97.065 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 30.3 W/kg
SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.16 W/kg
Maximum value of SAR (measured) = 22.2 W/kg

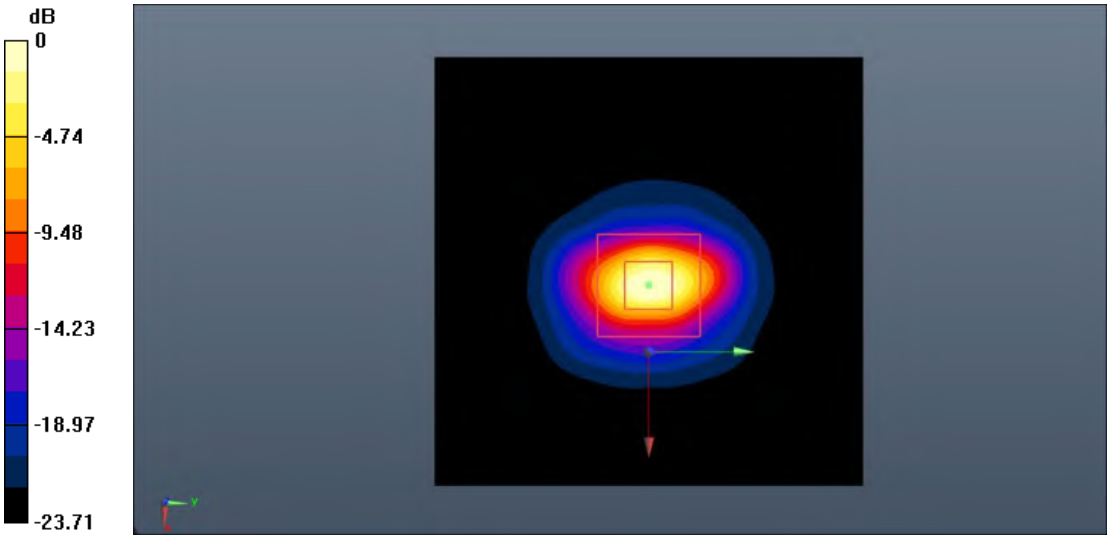


0 dB = 22.2 W/kg = 13.46 dB W/kg

2550MHz
Date: 2023-6-26
Electronics: DAE4 Sn786
Medium: Head 2550MHz
Medium parameters used: f = 2550 MHz; σ = 1.941 S/m; ε_r = 38.527; ρ = 1000 kg/m^3
Communication System: CW Frequency: 2550 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (8.02, 8.02, 8.02)

System Validation/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 96.745 V/m; Power Drift = 0.03 dB
SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.33 W/kg
Maximum value of SAR (interpolated) = 22.5 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.745 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.40 W/kg
Maximum value of SAR (measured) = 22.8 W/kg

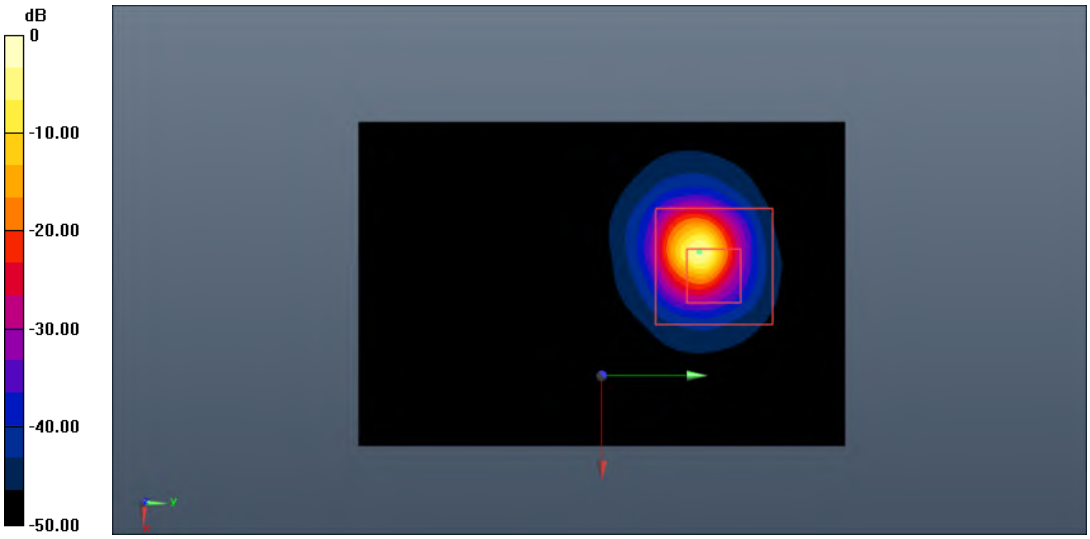


0 dB = 22.8 W/kg = 13.58 dB W/kg

5250MHz
Date: 2023-7-10
Electronics: DAE4 Sn786
Medium: Head 5250MHz
Medium parameters used: f = 5250 MHz; σ = 4.796 S/m; ε_r = 35.174; ρ = 1000 kg/m^3
Communication System: CW Frequency: 5250 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7683 ConvF (5.72, 5.72, 5.72)

System Validation/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 68.128 V/m; Power Drift = 0.13 dB
SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.29 W/kg
Maximum value of SAR (interpolated) = 19.3 W/kg

System Validation/Zoom Scan (8x8x21)/Cube0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 68.128 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 35.5 W/kg
SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.33 W/kg
Maximum value of SAR (measured) = 19.5 W/kg



0 dB = 19.5 W/kg = 12.90 dB W/kg

*****END OF REPORT*****