

### Measurement Conditions

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

DASY Version	DASY5	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2550 MHz $\pm$ 1 MHz	

### Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.1	1.91 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.4 $\pm$ 6 %	1.99 mho/m $\pm$ 6 %
Head TSL temperature change during test	< 0.5 °C	---	---

### SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	14.4 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	55.9 W/kg $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.42 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.2 W/kg $\pm$ 16.5 % (k=2)

### Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.6	2.09 mho/m
Measured Body TSL parameters	(22.0 $\pm$ 0.2) °C	50.8 $\pm$ 6 %	2.16 mho/m $\pm$ 6 %
Body TSL temperature change during test	< 0.5 °C	---	---

### SAR result with Body TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	13.4 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	52.4 W/kg $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.04 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	23.8 W/kg $\pm$ 16.5 % (k=2)

**Appendix (Additional assessments outside the scope of SCS 0108)****Antenna Parameters with Head TSL**

Impedance, transformed to feed point	52.8 $\Omega$ - 3.8 j $\Omega$
Return Loss	- 26.8 dB

**Antenna Parameters with Body TSL**

Impedance, transformed to feed point	49.3 $\Omega$ - 1.8 j $\Omega$
Return Loss	- 34.3 dB

**General Antenna Parameters and Design**

Electrical Delay (one direction)	1.153 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: 21.05.2021

Test Laboratory: SPEAG, Zurich, Switzerland

**DUT: Dipole 2550 MHz; Type: D2550V2; Serial: D2550V2 - SN:1010**

Communication System: UID 0 - CW; Frequency: 2550 MHz

Medium parameters used:  $f = 2550$  MHz;  $\sigma = 1.99$  S/m;  $\epsilon_r = 37.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(7.85, 7.85, 7.85) @ 2550 MHz; Calibrated: 28.12.2020
- 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(1527); SEMCAD X 14.6.14(7483)

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

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

Reference Value = 119.0 V/m; Power Drift = 0,05 dB

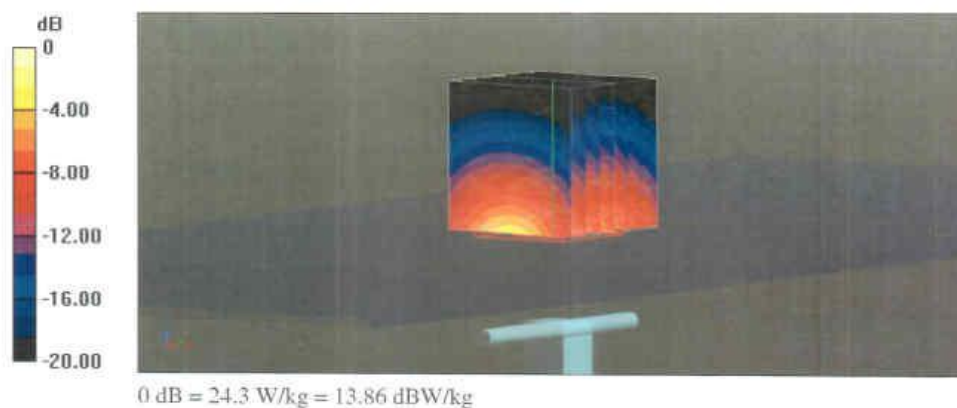
Peak SAR (extrapolated) = 29.6 W/kg

**SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.42 W/kg**

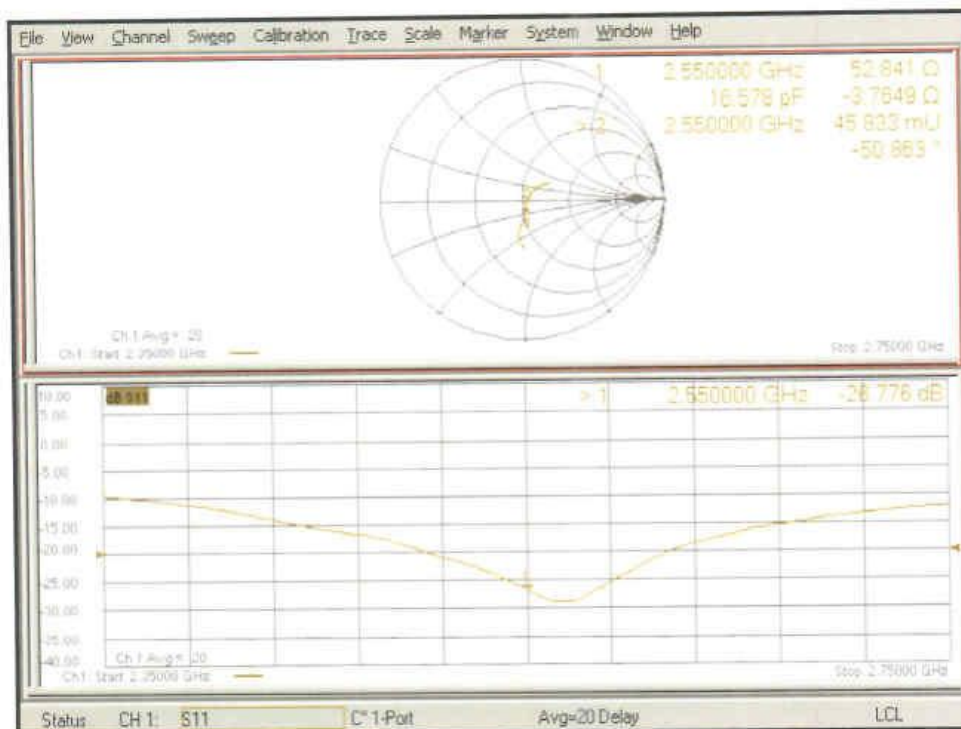
Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 48,2%

Maximum value of SAR (measured) = 24.3 W/kg



# Impedance Measurement Plot for Head TSL



## DASY5 Validation Report for Body TSL

Date: 21.05.2021

Test Laboratory: SPEAG, Zurich, Switzerland

**DUT: Dipole 2550 MHz; Type: D2550V2; Serial: D2550V2 - SN:1010**

Communication System: UID 0 - CW; Frequency: 2550 MHz

Medium parameters used:  $f = 2550$  MHz;  $\sigma = 2.16$  S/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(7.98, 7.98, 7.98) @ 2550 MHz; Calibrated: 28.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.11.2020
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

Reference Value = 110.2 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 26.1 W/kg

**SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.04 W/kg**

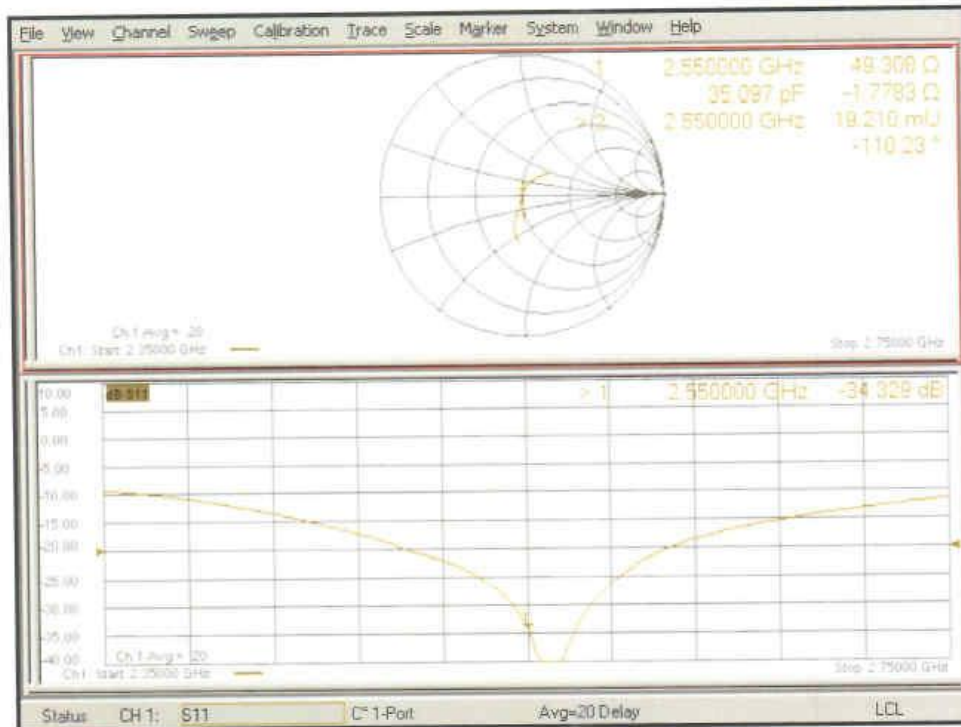
Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 51.9%

Maximum value of SAR (measured) = 22.1 W/kg



# Impedance Measurement Plot for Body TSL



## ANNEX J: Extended Calibration SAR Dipole

Referring to KDB865664 D01, if dipoles are verified in return loss (  $< -20\text{dBm}$ , 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 D750V3– serial no.1163

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2019-09-03	-26.9	/	50.5	/	-4.53	/
2020-09-01	-25.8	4.1	51.2	0.7	-4.29	0.24
2021-08-30	-25.2	6.3	51.7	1.2	-4.16	0.37

Justification of Extended Calibration SAR Dipole D1750V2– serial no.1152

Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (johm)	Delta (johm)
2019-08-30	-38.1	/	49.1	/	-0.84	/
2020-08-28	-36.5	4.2	50.2	1.1	-0.49	0.35
2021-08-26	-35.7	6.3	50.8	1.7	-0.42	0.42

The Return-Loss is  $< -20\text{dB}$ , 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: Spot Check Test

As the test lab for T676J from TCL Communication 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.

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

EUT ID*	IMEI	HW Version	SW Version	Receipt Date
UT02aa	354218360202030	PIO	v2B51	2022-03-10

### K.2. Measurement results

#### GSM850 SAR Values

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
190	836.6	Head	Left Cheek	32.71	33.3	0.131	<b>0.15</b>	<b>0.17</b>
190	836.6	Body	Rear	30.09	31.0	0.315	<b>0.39</b>	<b>0.35</b>

#### GSM1900 SAR Values

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
661	1880.0	Head	Left Cheek	30.14	31.0	0.073	<b>0.09</b>	<b>0.11</b>
661	1880.0	Body	Bottom	27.51	28.5	0.862	<b>1.08</b>	<b>1.04</b>

#### WCDMA Band 2 SAR Values

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
9538	1907.6	Head	Left Cheek	20.00	20.5	0.729	<b>0.82</b>	<b>0.90</b>
9538	1907.6	Body	Rear	23.90	24.5	0.810	<b>0.93</b>	<b>1.21</b>

#### WCDMA Band 4 SAR Values

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
1413	1732.6	Head	Left Cheek	21.10	22.0	0.739	0.91	0.86
1413	1732.6	Body	Rear	24.00	24.5	0.628	0.70	0.78

**WCDMA Band 5 SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
4182	836.4	Head	Left Cheek	21.70	22.5	0.633	0.76	0.90
4182	836.4	Body	Rear	23.30	24.5	0.424	0.56	0.38

**LTE Band 2 SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
19100	1900.0	Head	Left Cheek	20.44	21.0	0.852	<b>0.97</b>	<b>1.03</b>
18900	1880.0	Body	Right	23.37	24.0	0.610	<b>0.71</b>	<b>0.79</b>

**LTE Band 7 SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
20850	2510	Head	Right Cheek	23.50	24.0	0.282	<b>0.32</b>	<b>0.35</b>
21100	2535	Body	Bottom	22.47	23.0	0.695	<b>0.79</b>	<b>0.70</b>

**LTE Band 12 SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
23130	711.0	Head	Left Cheek	23.35	24.0	0.656	<b>0.76</b>	<b>0.94</b>
23130	711.0	Body	Left	23.35	24.0	0.277	<b>0.32</b>	<b>0.45</b>

**LTE Band 13 SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
23230	782.0	Head	Left Cheek	22.19	23.0	0.620	<b>0.75</b>	<b>0.91</b>
23230	782.0	Body	Left	23.22	24.0	0.318	<b>0.38</b>	<b>0.40</b>

**LTE Band 26 SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
26865	831.5	Head	Left Cheek	21.25	22.0	0.563	<b>0.67</b>	<b>0.78</b>
26865	831.5	Body	Rear	23.25	24.0	0.457	<b>0.54</b>	<b>0.42</b>

**LTE Band 38 SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
38000	2595	Head	Right Cheek	23.31	24.0	0.184	0.22	0.17
38000	2595	Body	Bottom	23.31	24.0	0.465	0.55	0.41

**LTE Band 66 SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
132322	1745.0	Head	Left Cheek	20.42	21.0	0.649	0.74	0.73
132322	1745.0	Body	Rear	23.34	24.0	0.698	0.81	0.62

**WLAN2.4G SAR Values**

Frequency		Test Position		Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(1g) (W/kg)		
Ch.	MHz					Spot check data		Original data
						Measured SAR	Reported SAR	
6	2437.0	Head	Left Cheek	15.51	17.0	0.231	<b>0.33</b>	<b>0.43</b>
6	2437.0	Body	Right	15.51	17.0	0.112	<b>0.16</b>	<b>0.19</b>

**WCDMA Band 2 Extremity SAR Values (0mm Test Data)**

Frequency		Test Position	Conducted Power (dBm)	Max. tune-up Power (dBm)	SAR(10g) (W/kg)		
Ch.	MHz				Spot check data		Original data
					Measured SAR	Reported SAR	
9538	1907.6	Rear	23.90	24.5	2.160	2.48	2.73

### K.3. Graph Results for Spot Check

#### GSM850 Head

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 40.765$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, GSM (0) Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Left Cheek Middle/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.155 W/kg

**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.027 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.160 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.103 W/kg**

Maximum value of SAR (measured) = 0.146 W/kg

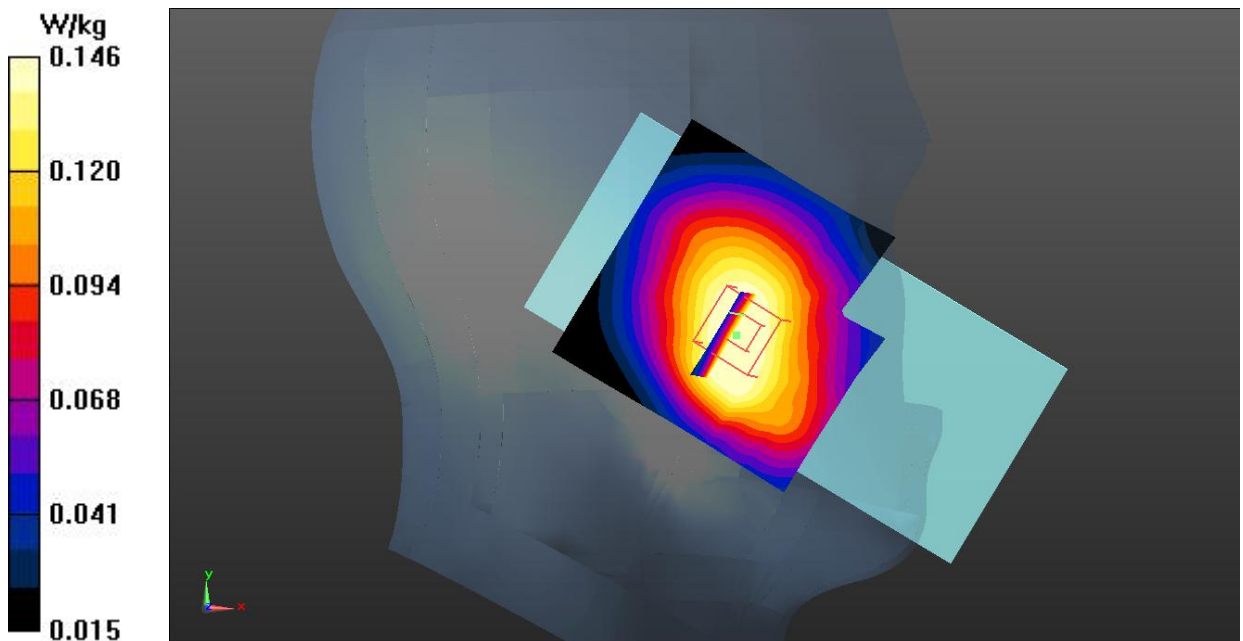


Fig.1 GSM 850

### GSM850 Body

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 40.765$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, 2 slot GPRS (0) Frequency: 836.6 MHz Duty Cycle: 1:4

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Rear Side Middle/Area Scan (61x101x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.403 W/kg

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

Reference Value = 11.71 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.527 W/kg

**SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.189 W/kg**

Maximum value of SAR (measured) = 0.413 W/kg

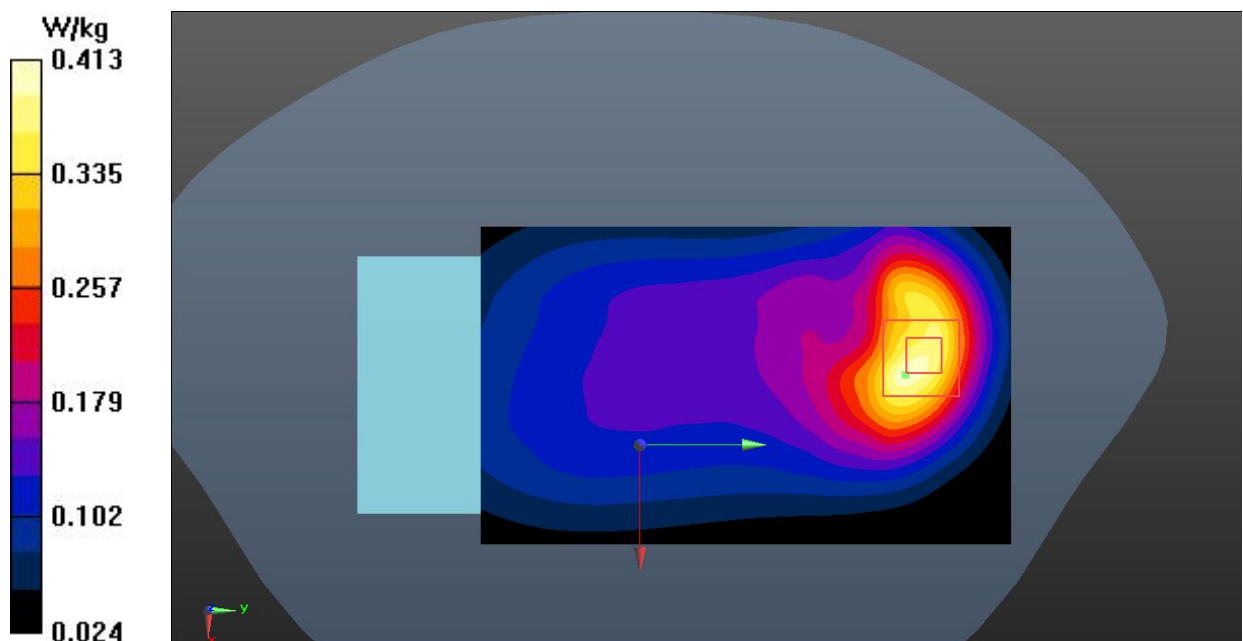


Fig.2 GSM 850

**GSM1900 Head**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 39.496$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, GSM (0) Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 – SN3151 ConvF (5.09, 5.09, 5.09);

**Left Cheek Middle/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.0918 W/kg

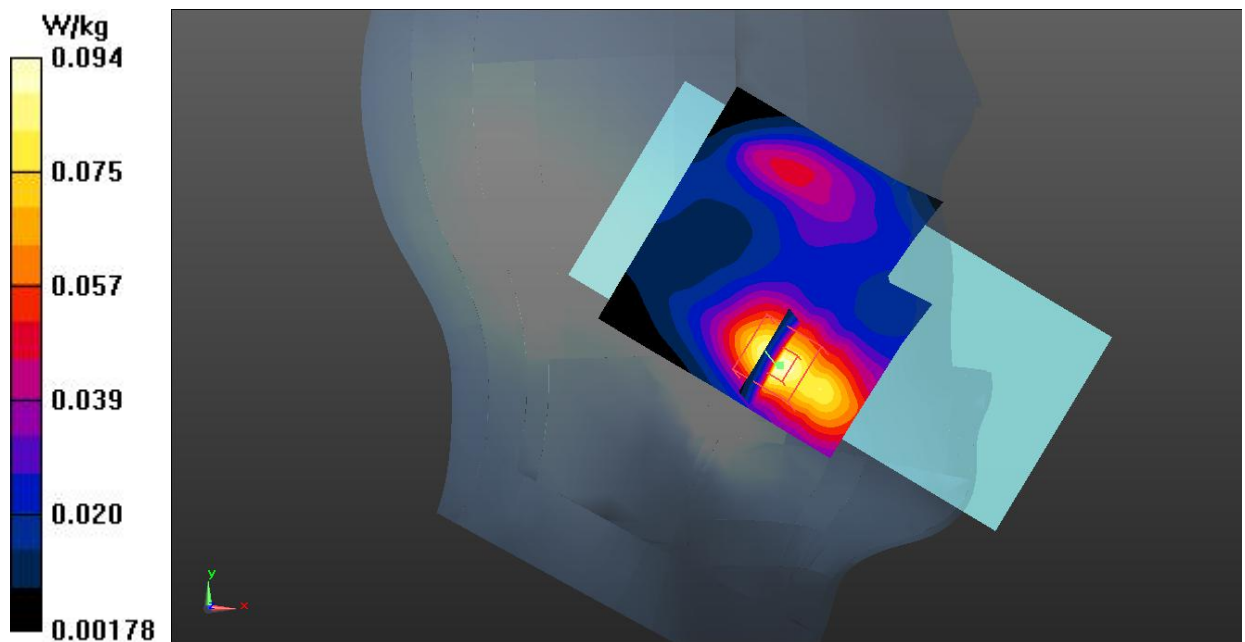
**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.295 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.111 W/kg

**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.0937 W/kg

**Fig.3 GSM 1900**

**GSM1900 Body**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.399$  S/m;  $\epsilon_r = 39.331$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, 2 slot GPRS (0) Frequency: 1880 MHz Duty Cycle: 1:4

Probe: ES3DV3 – SN3151 ConvF (5.09, 5.09, 5.09);

**Bottom Side Middle/Area Scan (41x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.24 W/kg

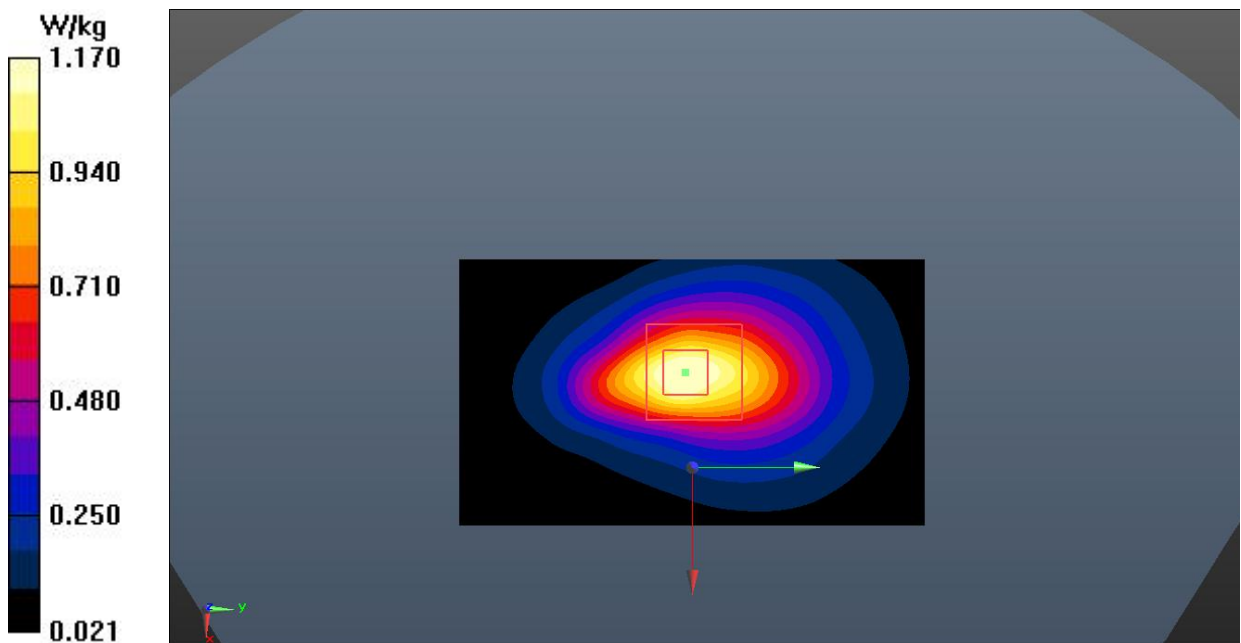
**Bottom Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 25.35 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.484 W/kg**

Maximum value of SAR (measured) = 1.17 W/kg

**Fig.4 GSM 1900**

**WCDMA Band 2 Head**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.421$  S/m;  $\epsilon_r = 39.387$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, WCDMA (0) Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.09, 5.09, 5.09);

**Left Cheek High/Area Scan (71x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.07 W/kg

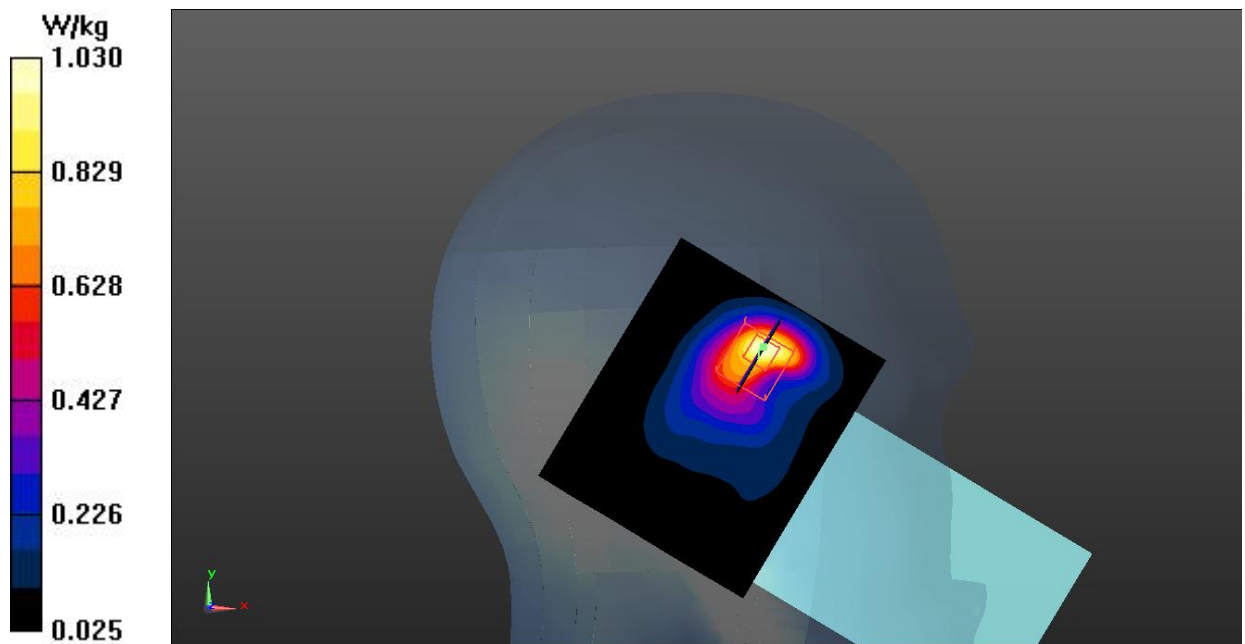
**Left Cheek High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.919 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.378 W/kg**

Maximum value of SAR (measured) = 1.03 W/kg

**Fig.5 WCDMA Band 2**

**WCDMA Band 2 Body**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.421$  S/m;  $\epsilon_r = 39.387$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, WCDMA (0) Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.09, 5.09, 5.09);

**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

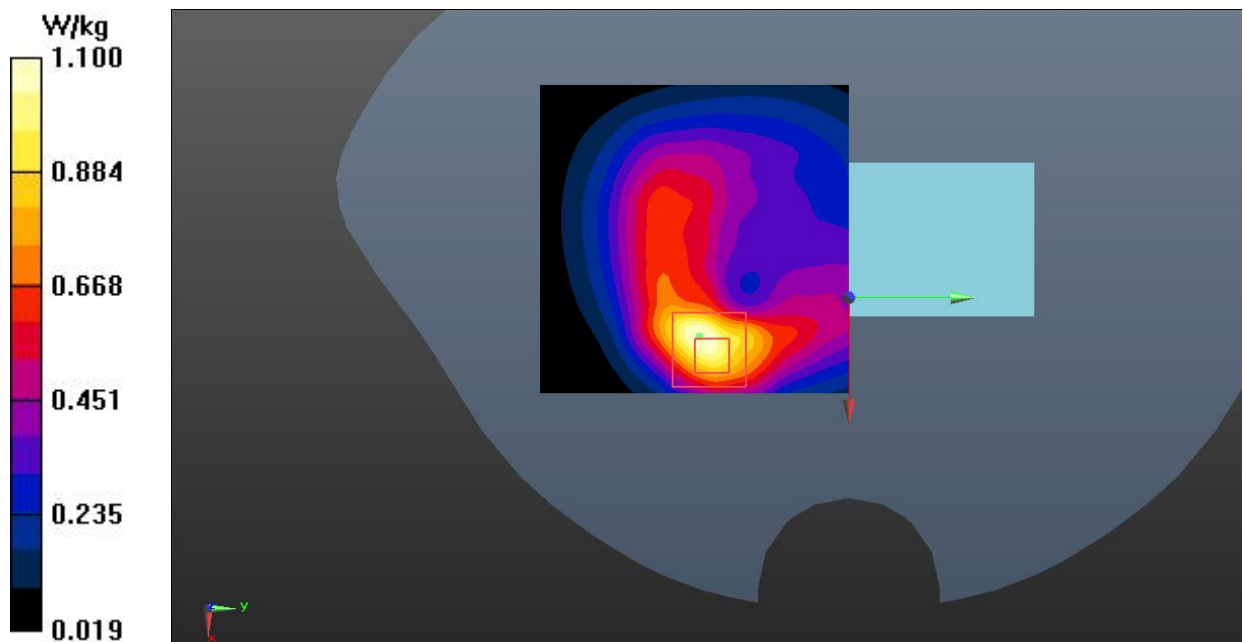
**Rear Side High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.15 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.423 W/kg**

Maximum value of SAR (measured) = 1.10 W/kg

**Fig.6 WCDMA Band 2**

**WCDMA Band 4 Head**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.362$  S/m;  $\epsilon_r = 39.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.25, 5.25, 5.25);

**Left Cheek Middle/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.13 W/kg

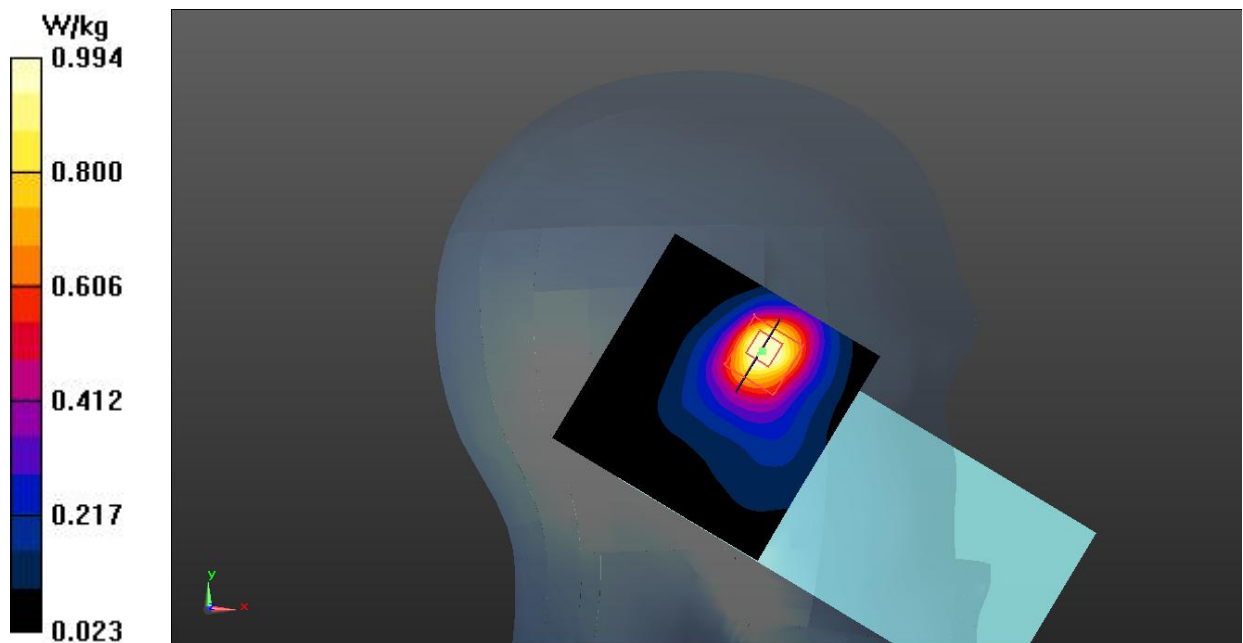
**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.855 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.409 W/kg**

Maximum value of SAR (measured) = 0.994 W/kg

**Fig.7 WCDMA Band 4**

**WCDMA Band 4 Body**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.362$  S/m;  $\epsilon_r = 39.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.25, 5.25, 5.25);

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

Maximum value of SAR (interpolated) = 0.889 W/kg

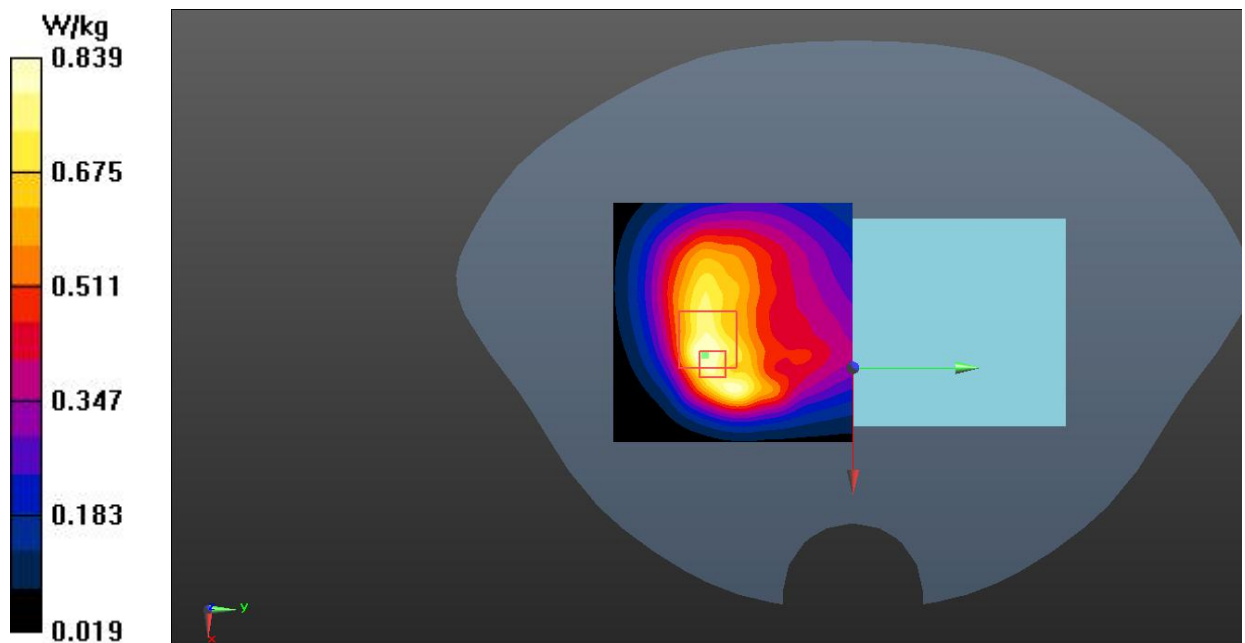
**Rear Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.20 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.370 W/kg**

Maximum value of SAR (measured) = 0.839 W/kg

**Fig.8 WCDMA Band 4**

### WCDMA Band 5 Head

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 40.767$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Left Cheek Middle/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.912 W/kg

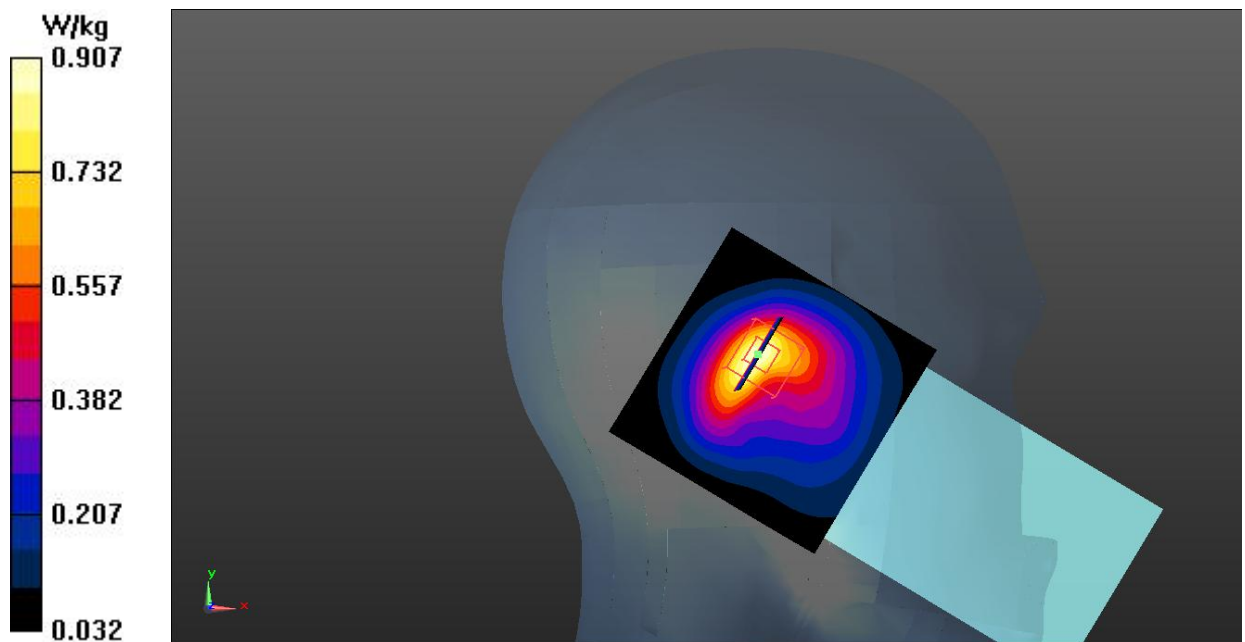
**Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 26.36 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.365 W/kg**

Maximum value of SAR (measured) = 0.907 W/kg



**Fig.9 WCDMA Band 5**

**WCDMA Band 5 Body**

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 40.767$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

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

Maximum value of SAR (interpolated) = 0.593 W/kg

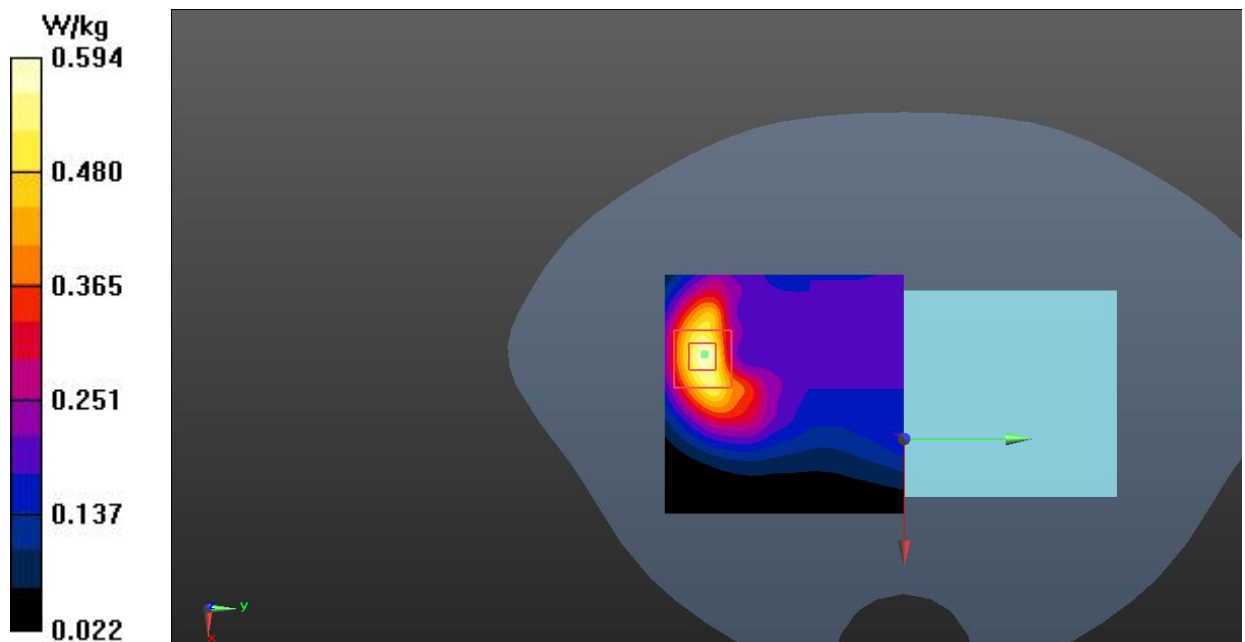
**Rear Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.60 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.748 W/kg

**SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.241 W/kg**

Maximum value of SAR (measured) = 0.594 W/kg

**Fig.10 WCDMA Band 5**

**LTE Band 2 Head**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.414$  S/m;  $\epsilon_r = 39.418$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 1900 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.09, 5.09, 5.09);

**Left Cheek High 1RB50/Area Scan (71x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.28 W/kg

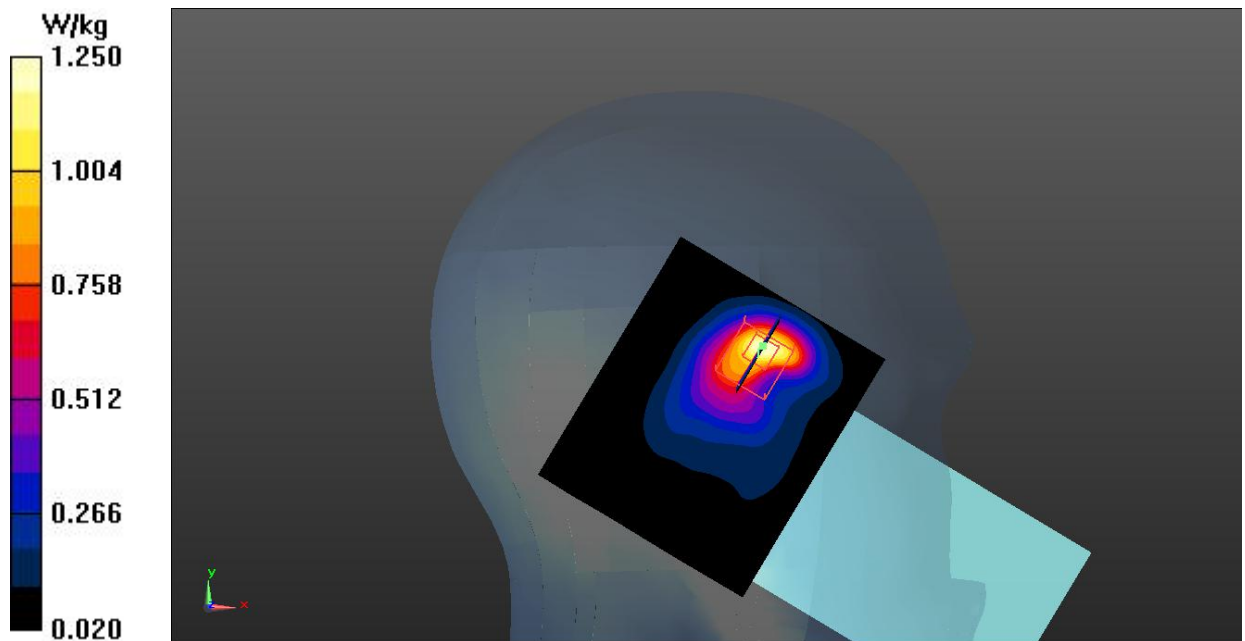
**Left Cheek High 1RB50/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.91 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.442 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg

**Fig.11 LTE Band 2**

**LTE Band 2 Body**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 39.496$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.09, 5.09, 5.09);

**Right Side Middle 1RB50/Area Scan (41x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 0.798 W/kg

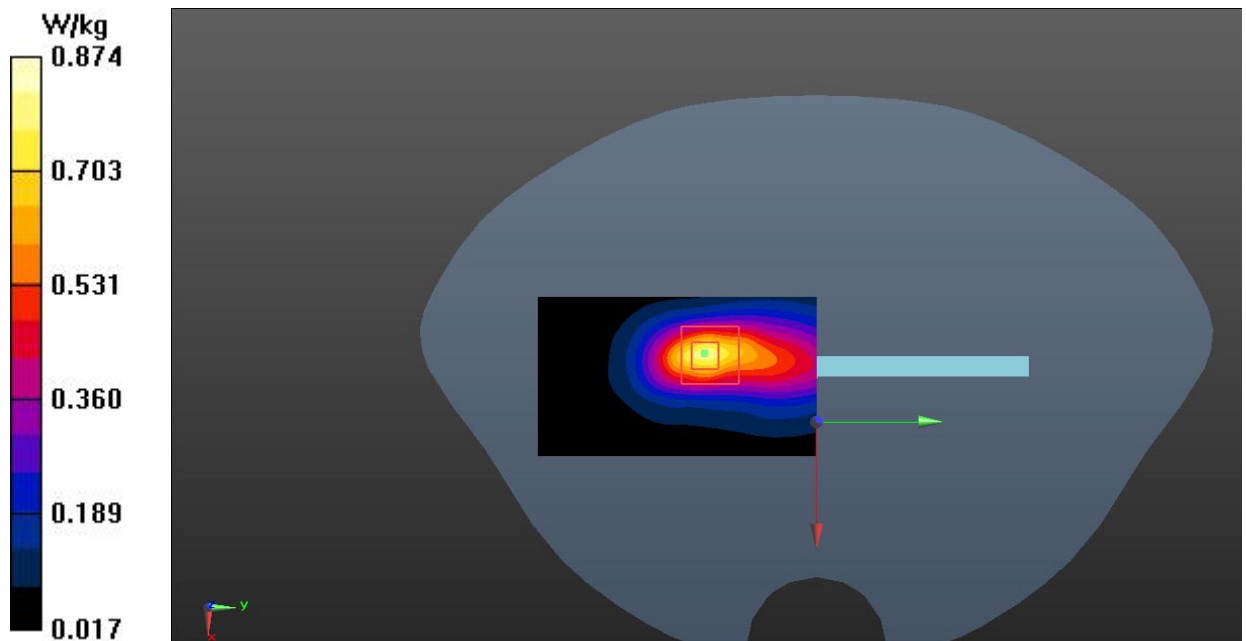
**Right Side Middle 1RB50/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.06 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.319 W/kg**

Maximum value of SAR (measured) = 0.874 W/kg

**Fig.12 LTE Band 2**

**LTE Band 7 Head**

Date: 2022-3-11

Electronics: DAE4 Sn786

Medium: Head 2550MHz

Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.901$  S/m;  $\epsilon_r = 38.387$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 2510 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (4.58, 4.58, 4.58);

**Right Cheek Low 1RB50/Area Scan (91x91x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) = 0.377 W/kg

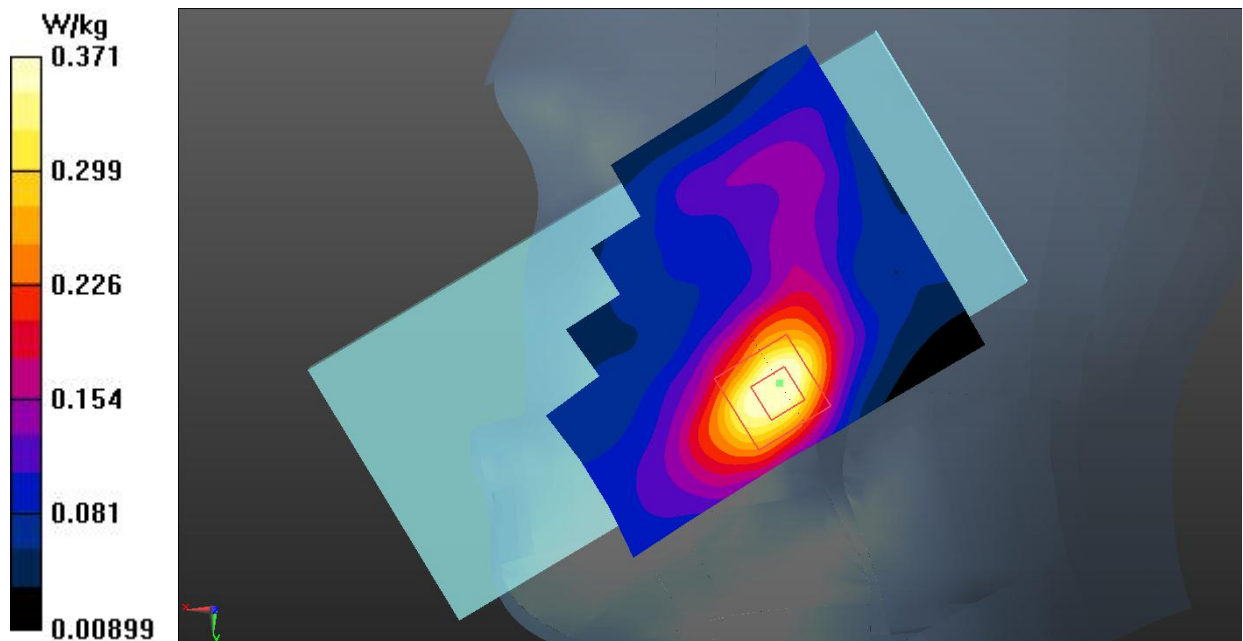
**Right Cheek Low 1RB50/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.038 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.462 W/kg

**SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.166 W/kg**

Maximum value of SAR (measured) = 0.371 W/kg

**Fig.13 LTE Band 7**

**LTE Band 7 Body**

Date: 2022-3-11

Electronics: DAE4 Sn786

Medium: Head 2550MHz

Medium parameters used (interpolated):  $f = 2535$  MHz;  $\sigma = 1.93$  S/m;  $\epsilon_r = 38.305$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (4.58, 4.58, 4.58);

**Bottom Side Middle 1RB50/Area Scan (61x111x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.979 W/kg

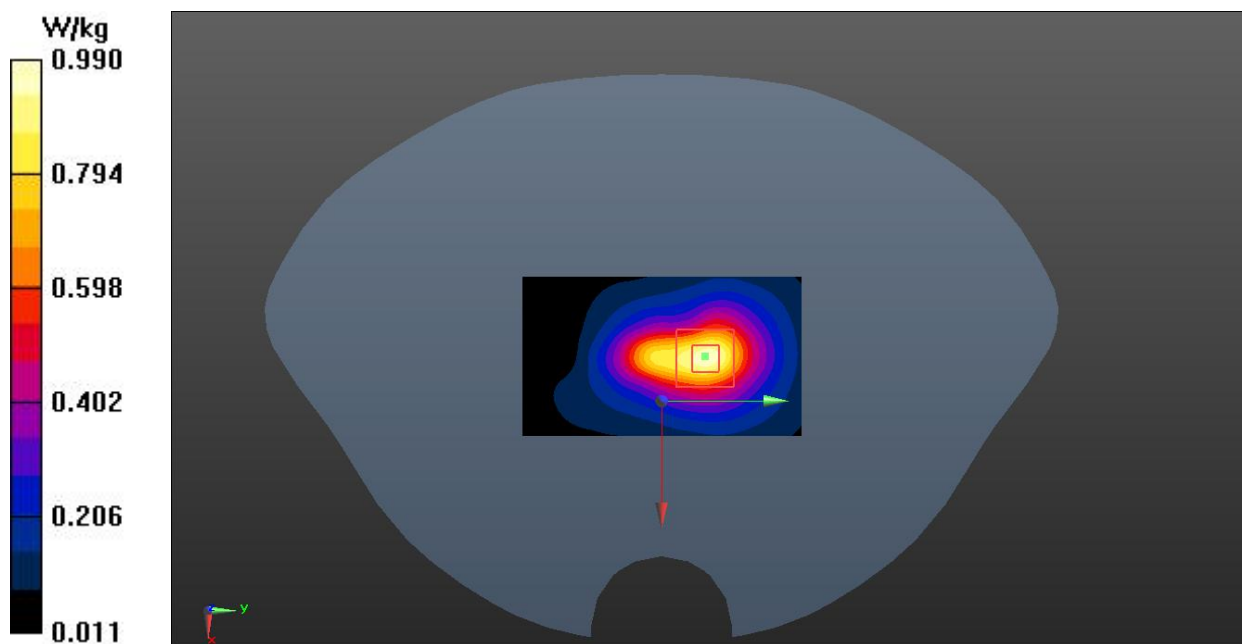
**Bottom Side Middle 1RB50/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 17.20 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.370 W/kg**

Maximum value of SAR (measured) = 0.990 W/kg

**Fig.14 LTE Band 7**

# LTE Band 12 Head

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used (interpolated):  $f = 711$  MHz;  $\sigma = 0.856$  S/m;  $\epsilon_r = 42.953$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 711 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Left Cheek High 1RB24/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.950 W/kg

**Left Cheek High 1RB24/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.33 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.368 W/kg**

Maximum value of SAR (measured) = 0.923 W/kg

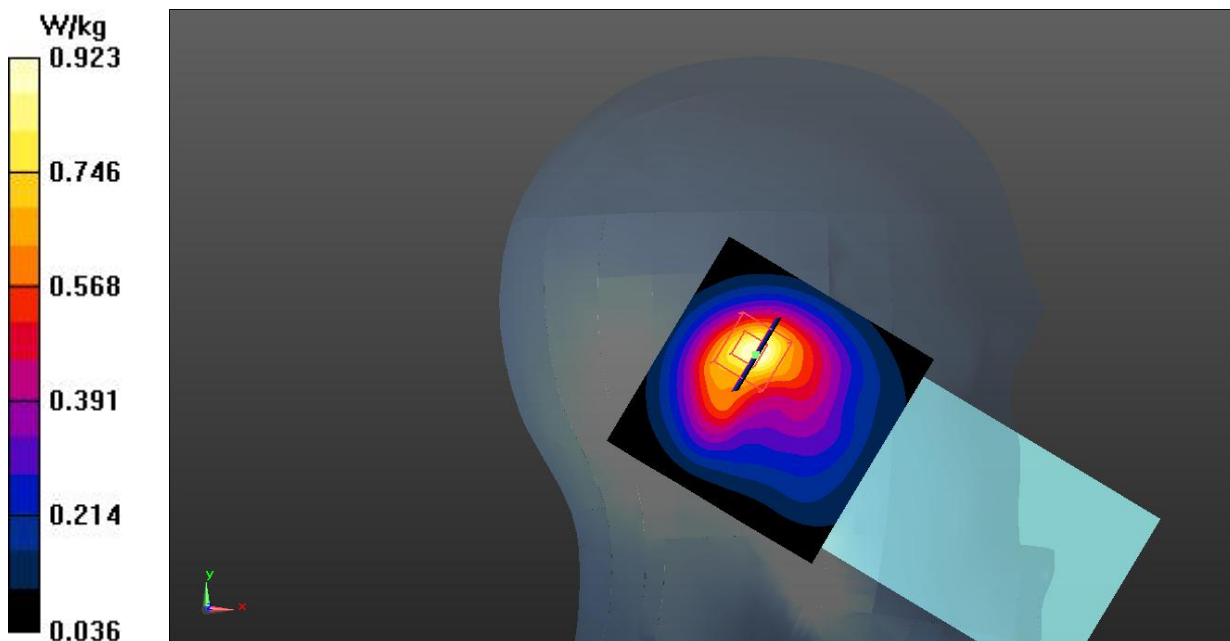


Fig.15 LTE Band 12

**LTE Band 12 Body**

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used (interpolated):  $f = 711$  MHz;  $\sigma = 0.856$  S/m;  $\epsilon_r = 42.953$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 711 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Left Side High 1RB24/Area Scan (41x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.338 W/kg

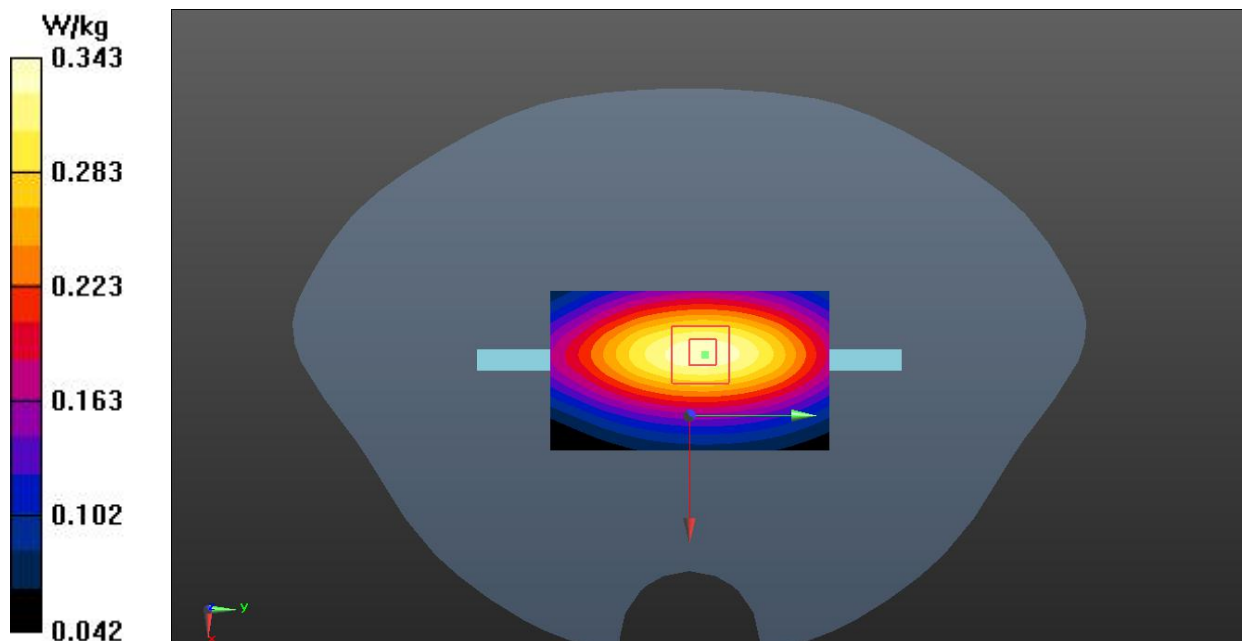
**Left Side High 1RB24/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.35 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.401 W/kg

**SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 0.343 W/kg

**Fig.16 LTE Band 12**

### LTE Band 13 Head

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 42.101$ ;  $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE\_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Left Cheek Middle 25RB12/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.884 W/kg

**Left Cheek Middle 25RB12/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.33 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.353 W/kg**

Maximum value of SAR (measured) = 0.869 W/kg

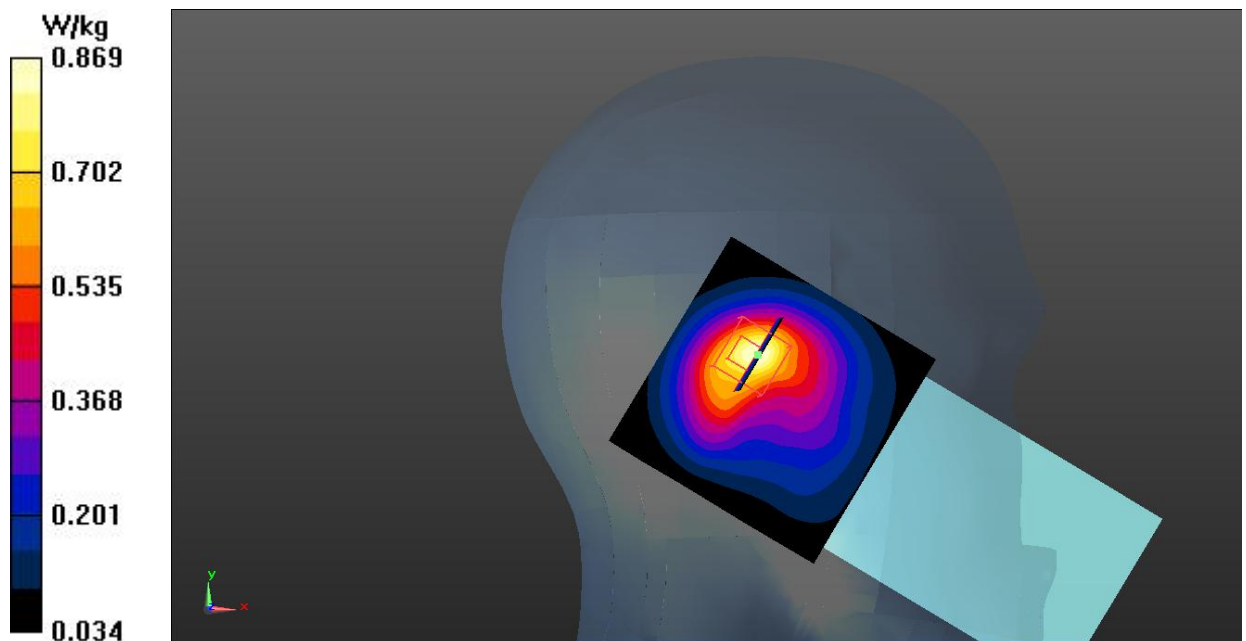


Fig.17 LTE Band 13

**LTE Band 13 Body**

Date: 2022-3-12

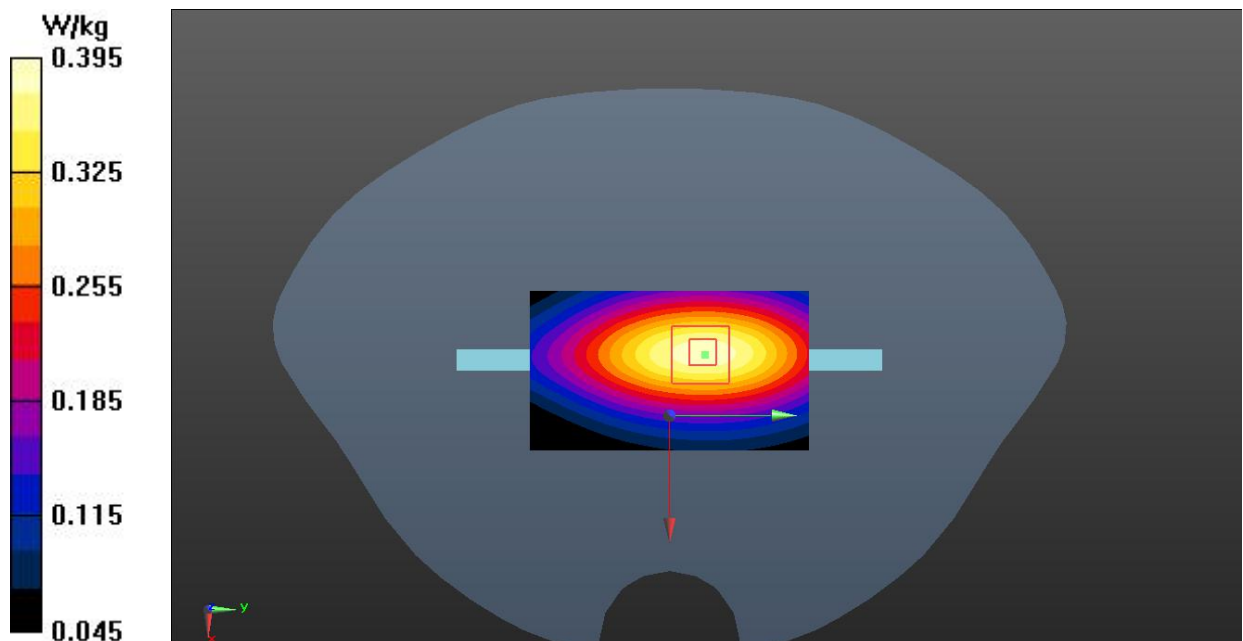
Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 42.101$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Communication System: UID 0, LTE\_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Left Side Middle 1RB24/Area Scan (41x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.388 \text{ W/kg}$ **Left Side Middle 1RB24/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $17.94 \text{ V/m}$ ; Power Drift =  $0.11 \text{ dB}$ Peak SAR (extrapolated) =  $0.461 \text{ W/kg}$ **SAR(1 g) =  $0.318 \text{ W/kg}$ ; SAR(10 g) =  $0.219 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.395 \text{ W/kg}$ **Fig.18 LTE Band 13**

**LTE Band 26 Head**

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 40826$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 831.5 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Left Cheek Middle 1RB37/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 0.813 W/kg

**Left Cheek Middle 1RB37/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 25.04 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.326 W/kg**

Maximum value of SAR (measured) = 0.803 W/kg

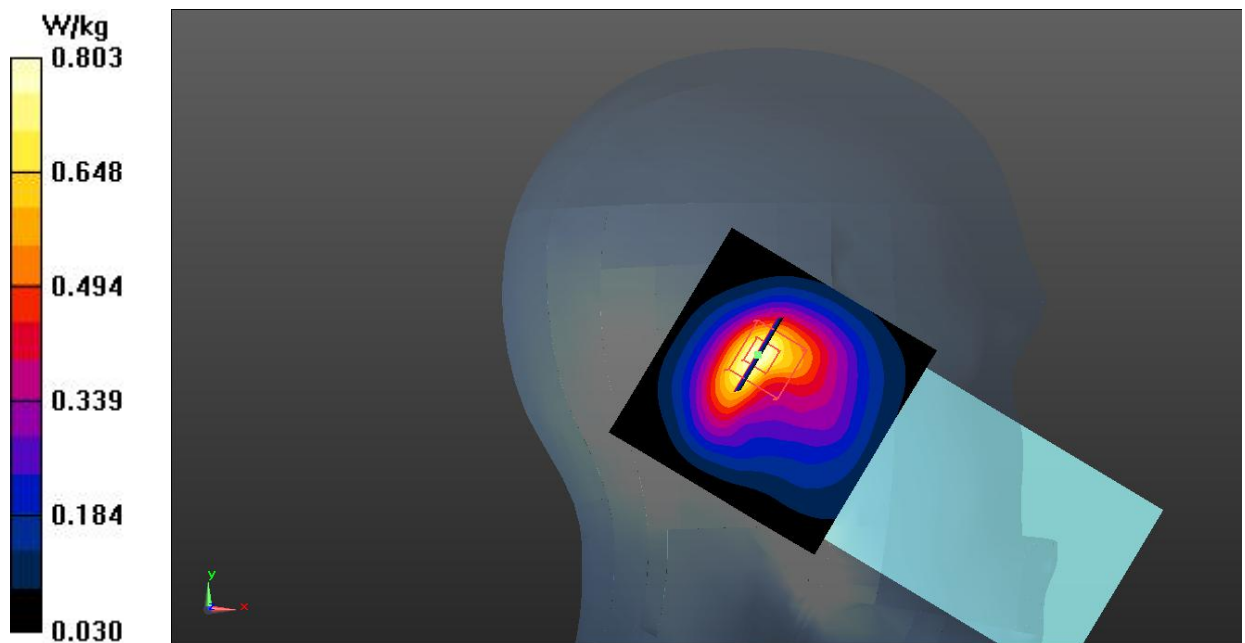


Fig.19 LTE Band 26

### LTE Band 26 Body

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 40826$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 831.5 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**Rear Side Middle 1RB37/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.633 W/kg

**Rear Side Middle 1RB37/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.27 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.820 W/kg

**SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.257 W/kg**

Maximum value of SAR (measured) = 0.642 W/kg

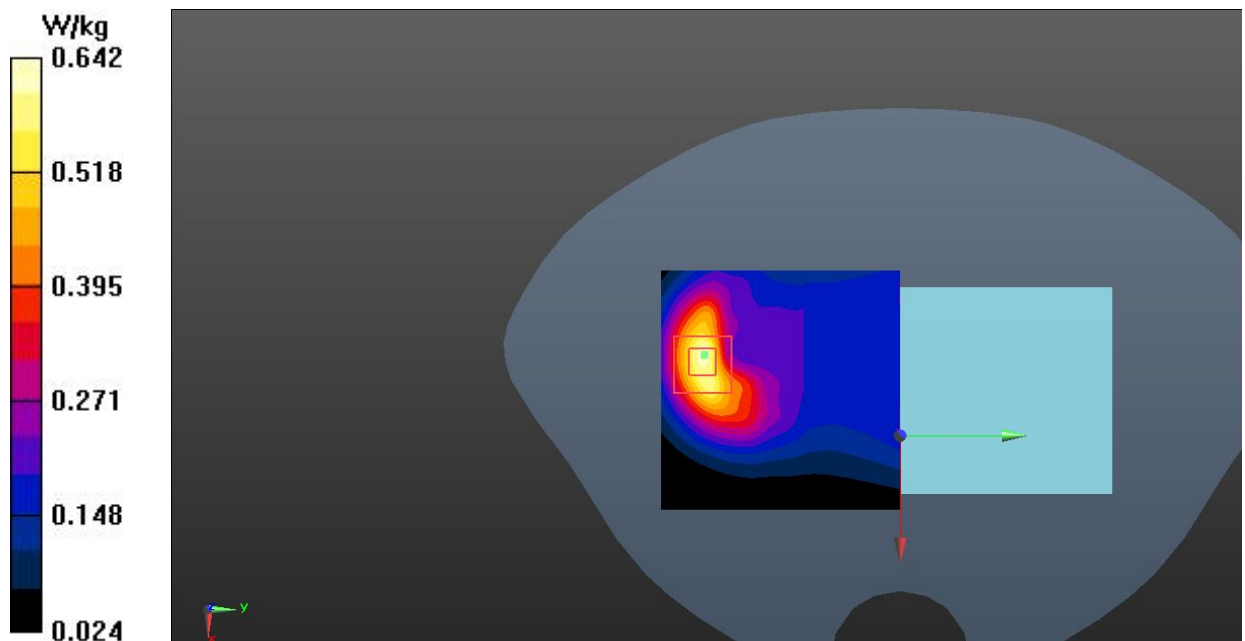


Fig.20 LTE Band 26

### LTE Band 38 Head

Date: 2022-3-11

Electronics: DAE4 Sn786

Medium: Head 2550MHz

Medium parameters used (interpolated):  $f = 2595$  MHz;  $\sigma = 2.001$  S/m;  $\epsilon_r = 38.107$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58

Probe: ES3DV3 – SN3151 ConvF (4.39, 4.39, 4.39);

**Right Cheek Middle 1RB50/Area Scan (91x91x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) = 0.262 W/kg

**Right Cheek Middle 1RB50/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.134 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.312 W/kg

**SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.245 W/kg

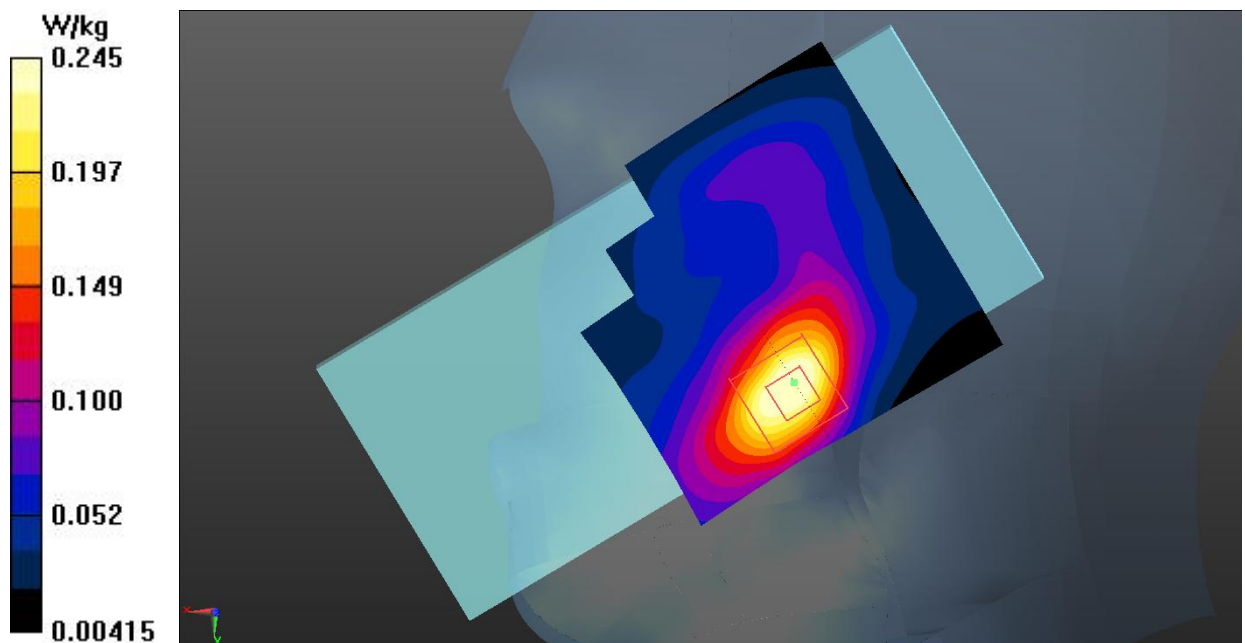


Fig.21 LTE Band 38

# LTE Band 38 Body

Date: 2022-3-11

Electronics: DAE4 Sn786

Medium: Head 2550MHz

Medium parameters used (interpolated):  $f = 2595$  MHz;  $\sigma = 2.001$  S/m;  $\epsilon_r = 38.107$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58

Probe: ES3DV3 – SN3151 ConvF (4.39, 4.39, 4.39);

**Bottom Side Middle 1RB50/Area Scan (61x111x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.675 W/kg

**Bottom Side Middle 1RB50/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.25 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.853 W/kg

**SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.248 W/kg**

Maximum value of SAR (measured) = 0.653 W/kg

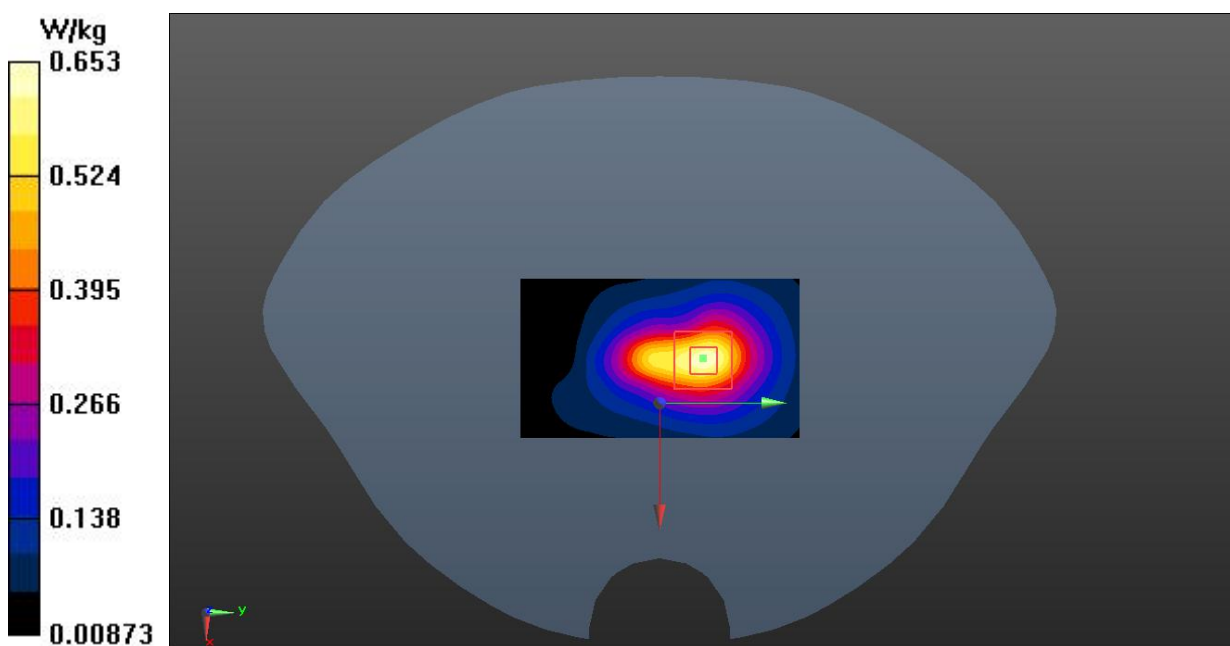


Fig.22 LTE Band 38

**LTE Band 66 Head**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.373$  S/m;  $\epsilon_r = 39.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.25, 5.25, 5.25);

**Left Cheek Middle 1RB50/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 0.872 W/kg

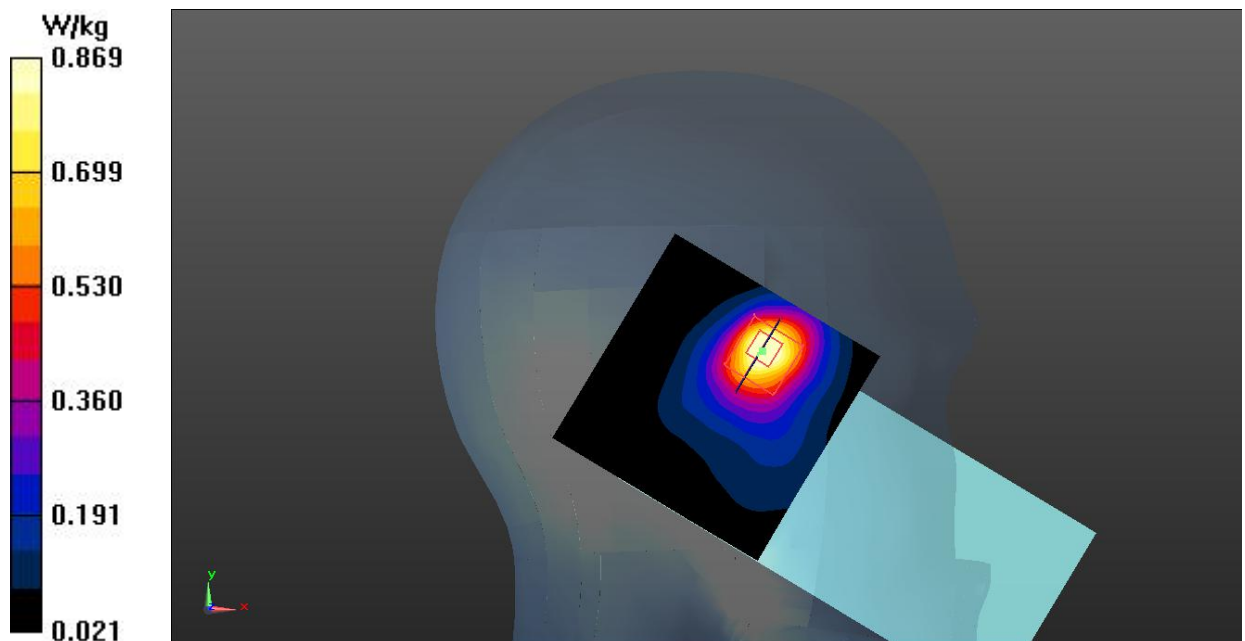
**Left Cheek Middle 1RB50/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.794 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.359 W/kg**

Maximum value of SAR (measured) = 0.869 W/kg

**Fig.23 LTE Band 66**

**LTE Band 66 Body**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.373$  S/m;  $\epsilon_r = 39.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, LTE\_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.25, 5.25, 5.25);

**Rear Side Middle 1RB50/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

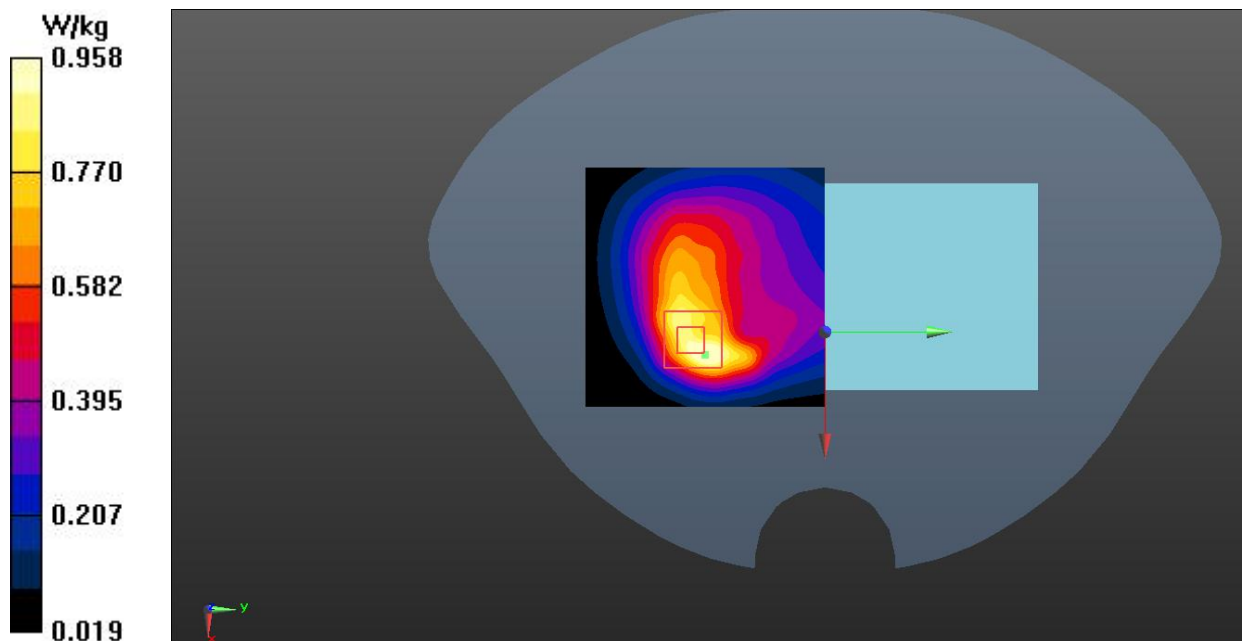
**Rear Side Middle 1RB50/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.45 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.389 W/kg**

Maximum value of SAR (measured) = 0.958 W/kg

**Fig.24 LTE Band 66**

**WLAN 2.4G Head**

Date: 2022-3-11

Electronics: DAE4 Sn786

Medium: Head 2450MHz

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.81$  S/m;  $\epsilon_r = 38.576$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, WiFi (0) Frequency: 2437 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (4.58, 4.58, 4.58);

**Left Cheek Middle/Area Scan (91x91x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.320 W/kg

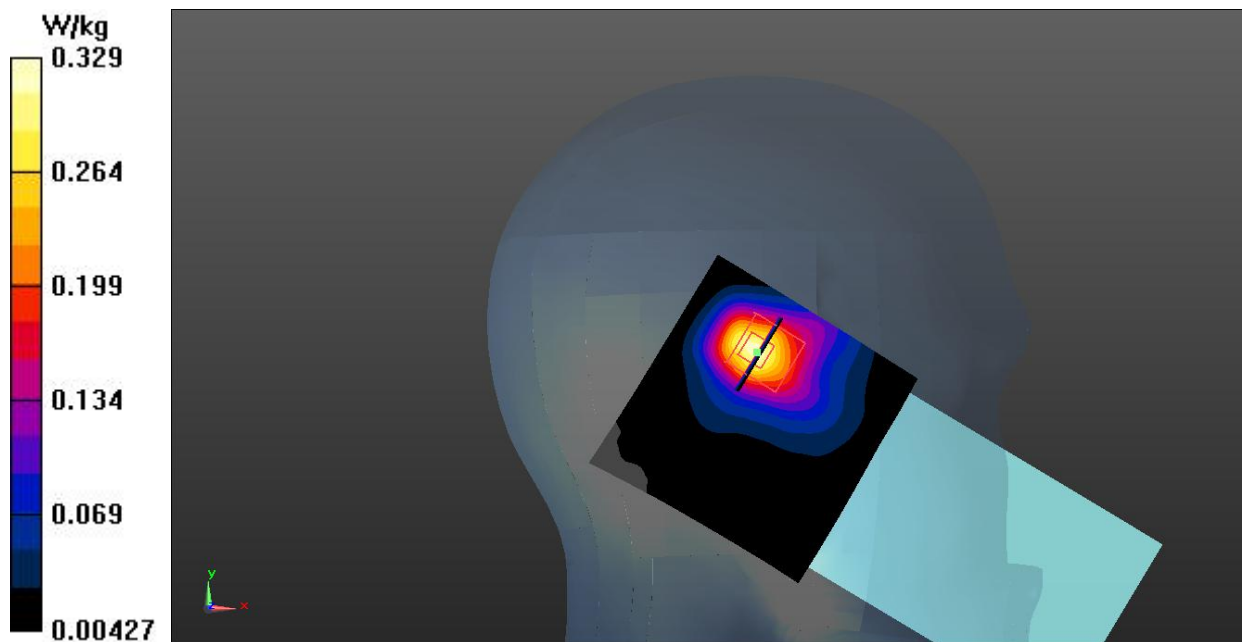
**Left Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.719 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.462 W/kg

**SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.120 W/kg**

Maximum value of SAR (measured) = 0.329 W/kg

**Fig.25 WLAN 2.4G**

**WLAN 2.4G Body**

Date: 2022-3-11

Electronics: DAE4 Sn786

Medium: Head 2450MHz

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.81$  S/m;  $\epsilon_r = 38.576$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: UID 0, WiFi (0) Frequency: 2437 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (4.58, 4.58, 4.58);

**Right Side Ch.6/Area Scan (61x111x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.156 W/kg

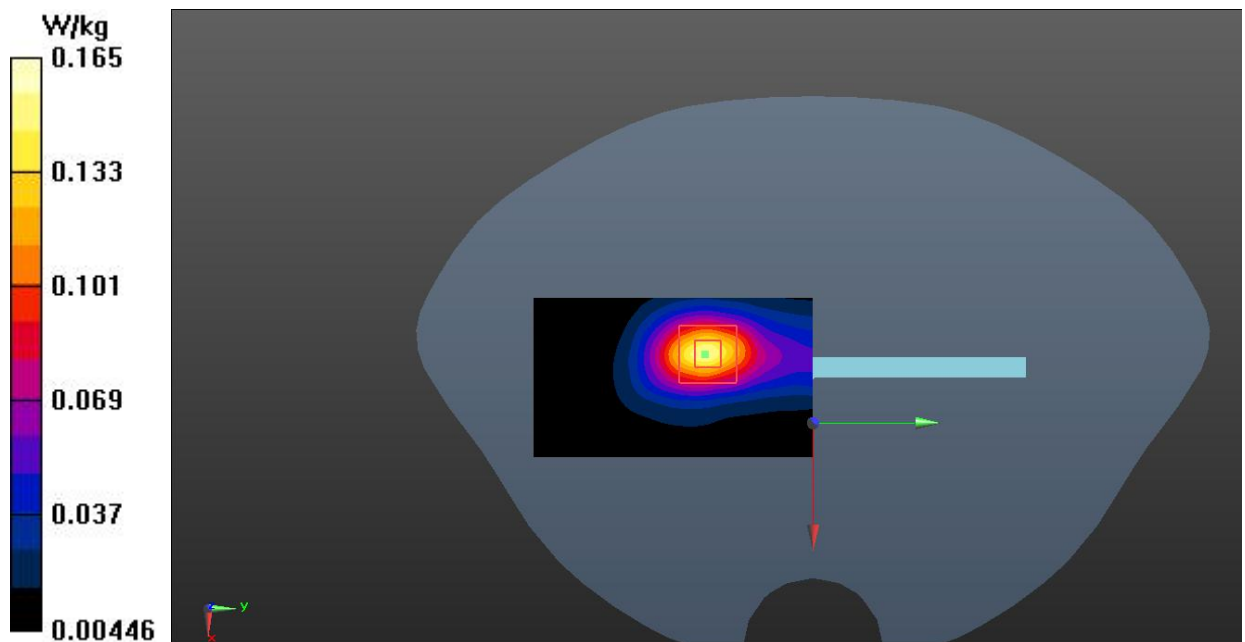
**Right Side Ch.6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.565 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.218 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.057 W/kg**

Maximum value of SAR (measured) = 0.165 W/kg

**Fig.26 WLAN 2.4G**

#### K.4. System Verification Results for Spot Check

##### 750MHz

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.881 \text{ S/m}$ ;  $\epsilon_r = 42.485$ ;  $\rho = 1000 \text{ kg/m}^3$

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

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**System Validation/Area Scan (81x161x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Reference Value = 60.746 V/m; Power Drift = -0.05 dB

**SAR(1 g) = 2.10 W/kg; SAR(10 g) = 1.41 W/kg**

Maximum value of SAR (interpolated) = 2.74 W/kg

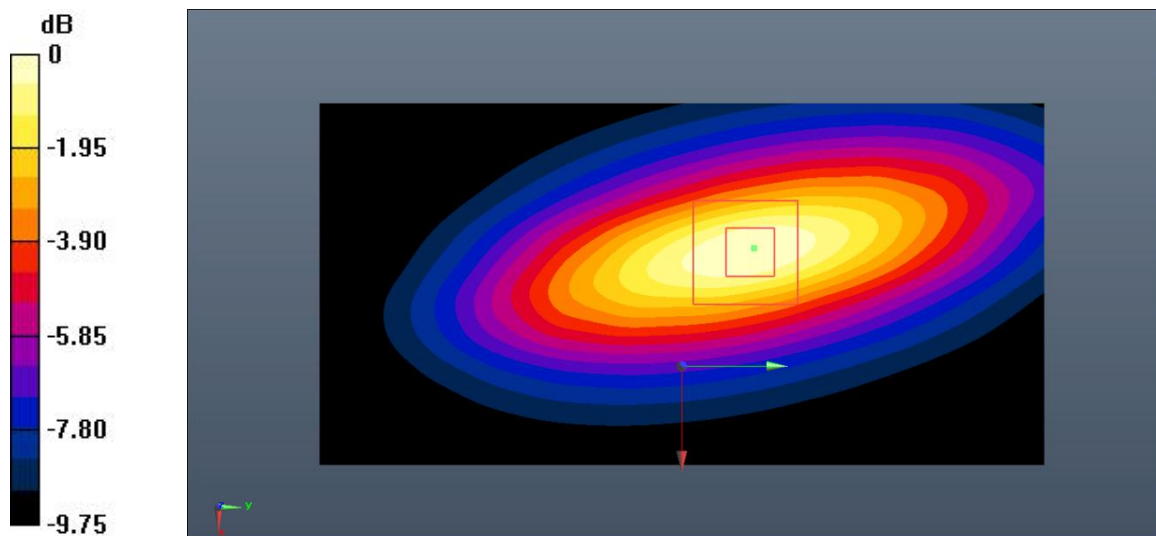
**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 60.746 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.19 W/kg

**SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.39 W/kg**

Maximum value of SAR (measured) = 2.71 W/kg



0 dB = 2.71 W/kg = 4.33 dB W/kg

**835MHz**

Date: 2022-3-12

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.918 \text{ S/m}$ ;  $\epsilon_r = 40.784$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Communication System: CW\_TMC Frequency: 835 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (6.40, 6.40, 6.40);

**System Validation/Area Scan (91x161x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$ 

Reference Value = 66.028 V/m; Power Drift = 0.02 dB

**SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.59 W/kg**

Maximum value of SAR (interpolated) = 3.40 W/kg

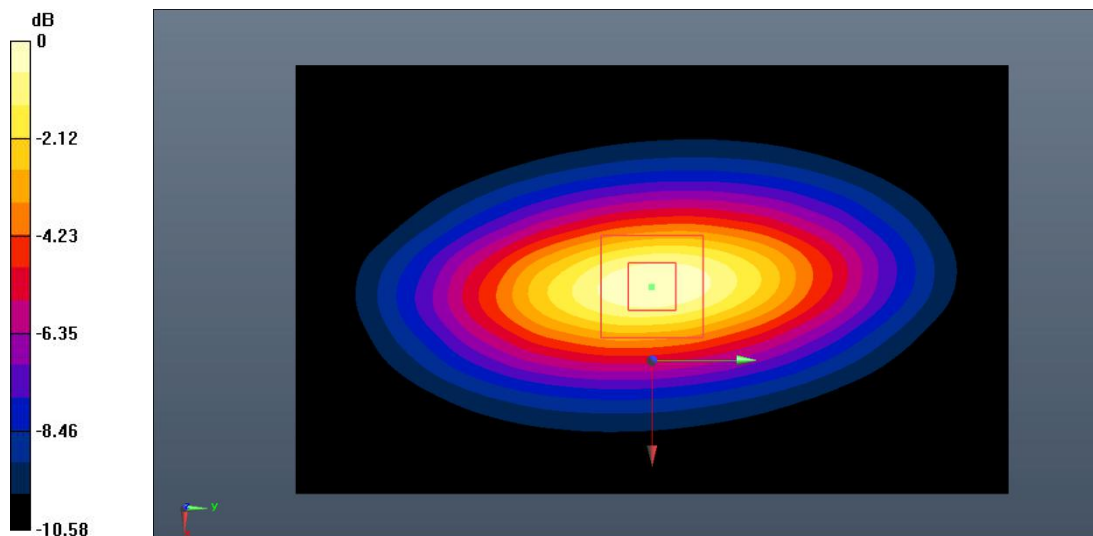
**System Validation /Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 66.028 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.11 W/kg

**SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.61 W/kg**

Maximum value of SAR (measured) = 3.43 W/kg



0 dB = 3.43 W/kg = 5.35 dB W/kg

# 1750MHz

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used:  $f = 1750 \text{ MHz}$ ;  $\sigma = 1.377 \text{ S/m}$ ;  $\epsilon_r = 39.649$ ;  $\rho = 1000 \text{ kg/m}^3$

Communication System: CW\_TMC Frequency: 1750 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.25, 5.25, 5.25);

**System Validation/Area Scan (81x121x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Reference Value = 78.554 V/m; Power Drift = 0.11 dB

**SAR(1 g) = 9.24 W/kg; SAR(10 g) = 4.82 W/kg**

Maximum value of SAR (interpolated) = 11.1 W/kg

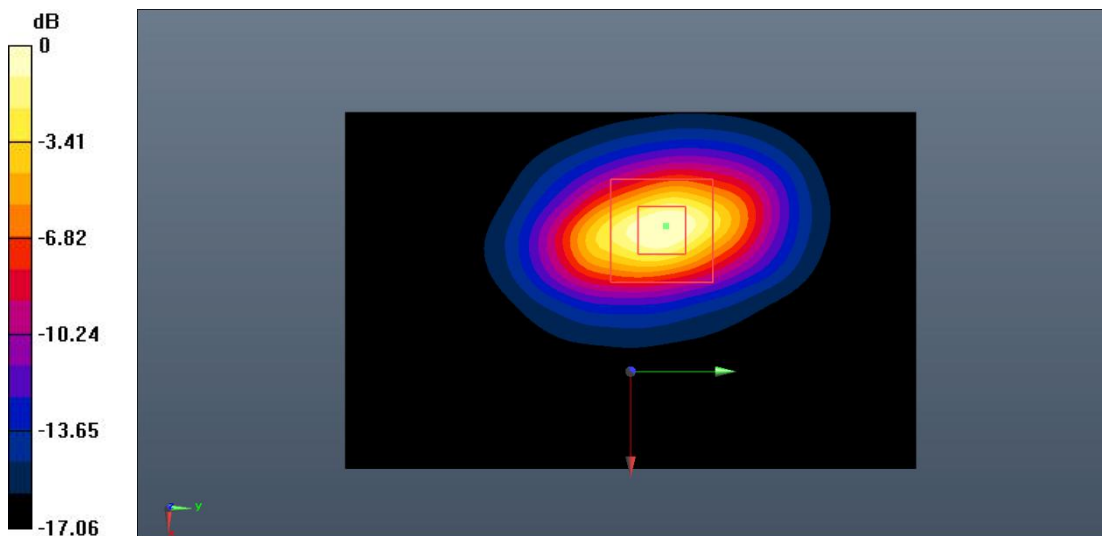
**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 78.554 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 22.2 W/kg

**SAR(1 g) = 9.40 W/kg; SAR(10 g) = 4.92 W/kg**

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.4 W/kg = 10.57 dB W/kg

**1900MHz**

Date: 2022-3-10

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.414$  S/m;  $\epsilon_r = 39.418$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: CW\_TMC Frequency: 1900 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (5.09, 5.09, 5.09);

**System Validation/Area Scan (91x91x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Reference Value = 83.679 V/m; Power Drift = 0.03 dB

**SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.16 W/kg**

Maximum value of SAR (interpolated) = 12.2 W/kg

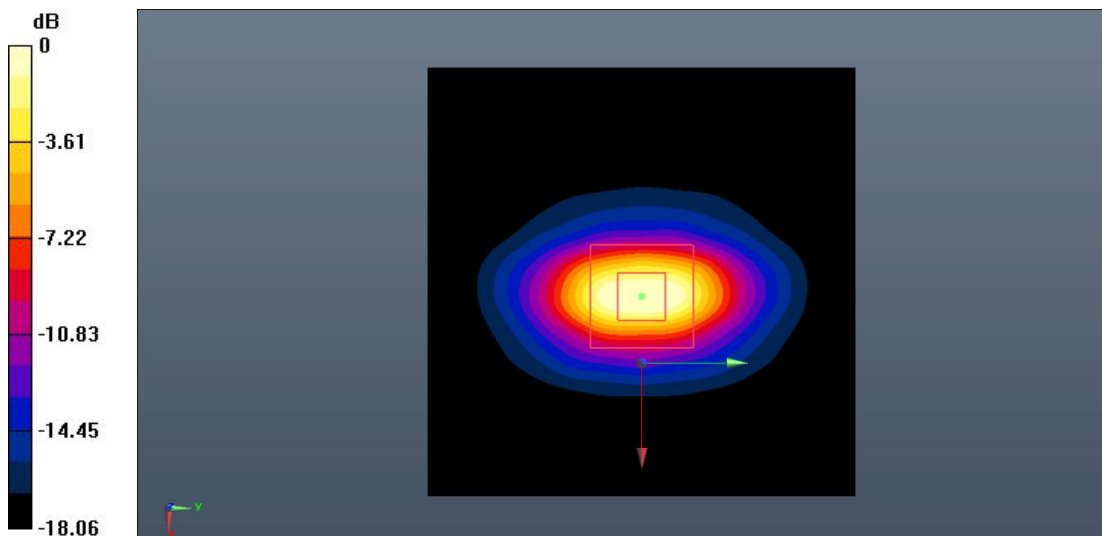
**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 83.679 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 25.3 W/kg

**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.22 W/kg**

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



0 dB = 12.5 W/kg = 10.97 dB W/kg

## 2450MHz

Date: 2022-3-11

Electronics: DAE4 Sn786

Medium: Head 2450MHz

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.825$  S/m;  $\epsilon_r = 38.533$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: CW\_TMC Frequency: 2450 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (4.58, 4.58, 4.58);

**System Validation/Area Scan (81x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Reference Value = 92.523 V/m; Power Drift = 0.02 dB

**SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.05 W/kg**

Maximum value of SAR (interpolated) = 15.2 W/kg

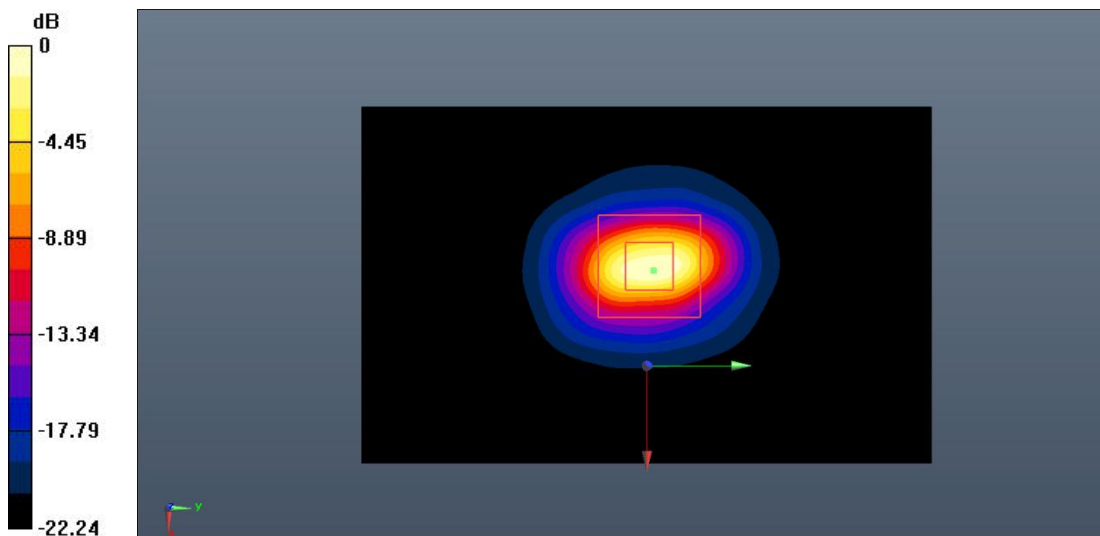
**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 92.523 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 35.5 W/kg

**SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.12 W/kg**

Maximum value of SAR (measured) = 15.5 W/kg



0 dB = 15.5 W/kg = 11.90 dB W/kg

**2550MHz**

Date: 2022-3-11

Electronics: DAE4 Sn786

Medium: Head 2550MHz

Medium parameters used:  $f = 2550$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 38.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Communication System: CW\_TMC Frequency: 2550 MHz Duty Cycle: 1:1

Probe: ES3DV3 – SN3151 ConvF (4.58, 4.58, 4.58);

**System Validation/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 94.867 V/m; Power Drift = 0.12 dB

**SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.35 W/kg**

Maximum value of SAR (interpolated) = 16.3 W/kg

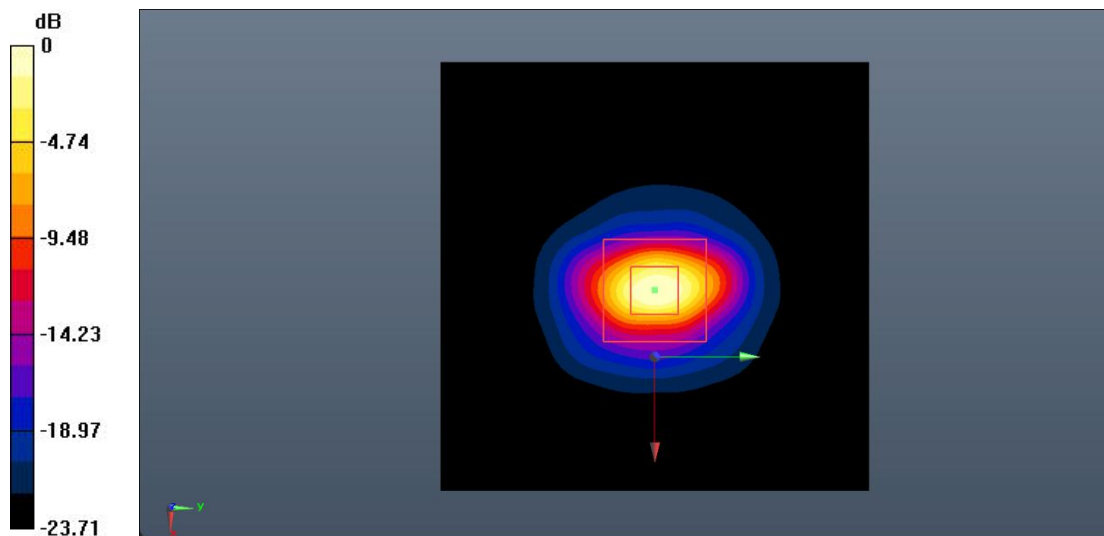
**System Validation/Zoom Scan (7x7x7)/Cube0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.867 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 38.1 W/kg

**SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.48 W/kg**

Maximum value of SAR (measured) = 16.7 W/kg



0 dB = 16.7 W/kg = 12.23 dB W/kg

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