

## DASY5 Validation Report for Head TSL

Date: 24.07.2015

Test Laboratory: SPEAG, Zurich, Switzerland

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:853**

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.88$  S/m;  $\epsilon_r = 37.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(4.54, 4.54, 4.54); Calibrated: 30.12.2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 18.08.2014
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

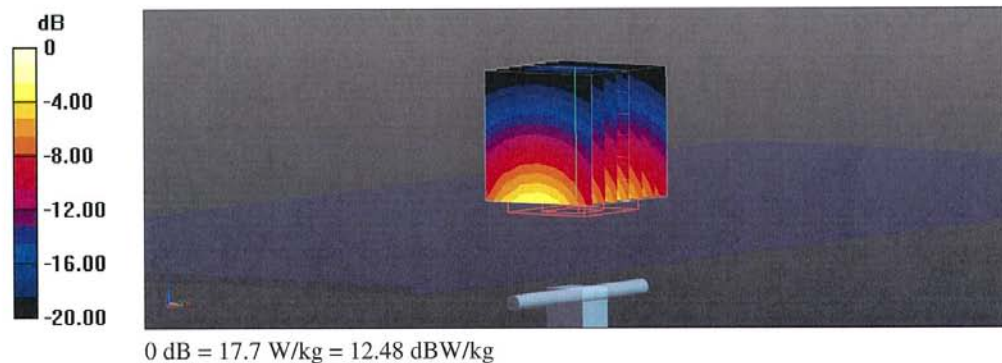
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 100.4 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 27.9 W/kg

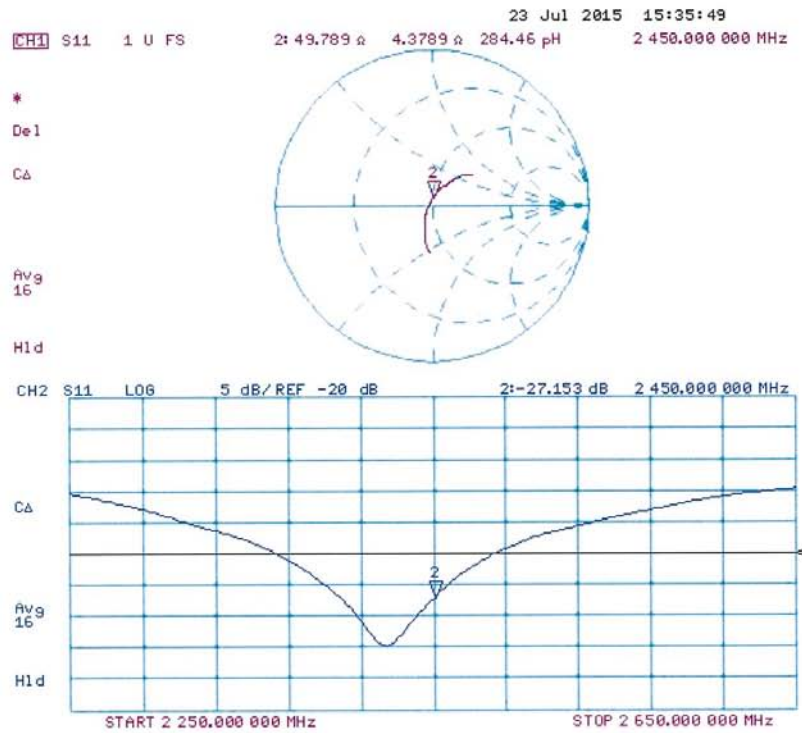
**SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.24 W/kg**

Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg

### Impedance Measurement Plot for Head TSL



## DASY5 Validation Report for Body TSL

Date: 24.07.2015

Test Laboratory: SPEAG, Zurich, Switzerland

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:853**

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.03$  S/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(4.32, 4.32, 4.32); Calibrated: 30.12.2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 18.08.2014
- Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; Serial: 1002
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

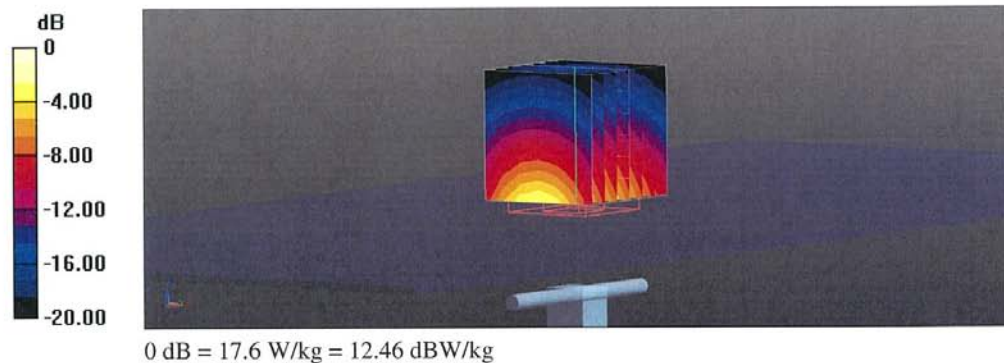
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.79 V/m; Power Drift = 0.03 dB

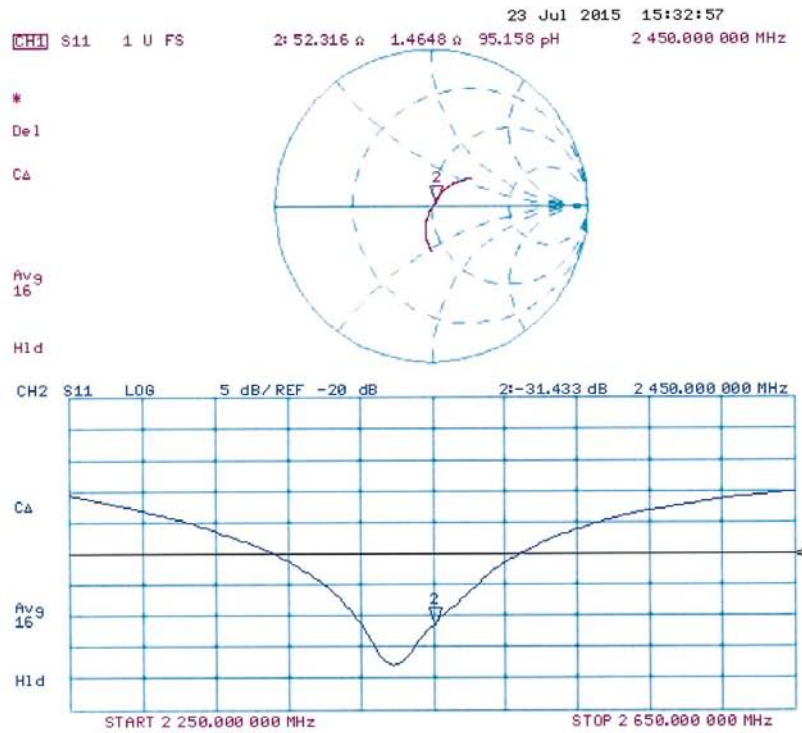
Peak SAR (extrapolated) = 27.5 W/kg

**SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.16 W/kg**

Maximum value of SAR (measured) = 17.6 W/kg



### Impedance Measurement Plot for Body TSL



## ANNEX I SPOT CHECK TEST

As the test lab for 5065N from TCL Communication Ltd, we, CTTL (Shouxiang), declare on our sole responsibility that, according to “Declaration of changes” provided by applicant, only the Spot check test should be performed. The test results are as below.

### I.1 Conducted power of selected case

**Table I.1-1: The conducted power results for GSM850/1900**

GSM 850MHz	Conducted Power (dBm)		
	Channel 251(848.8MHz)	Channel 190(836.6MHz)	Channel 128(824.2MHz)
	\	\	32.55
GSM 1900MHz	Conducted Power (dBm)		
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)
	29.44	\	\

**Table I.1-2: The conducted power results for GPRS**

GSM 850 GPRS (GMSK)	Measured Power (dBm)		
	251	190	128
2 Txslots	\	\	30.46
PCS1900 GPRS (GMSK)	Measured Power (dBm)		
	810	661	512
2 Txslots	27.38	\	\

**Table I.1-3: The conducted Power for WCDMA**

Item	band	FDDV result		
	ARFCN	4233 (846.6MHz)	4182 (836.4MHz)	4132 (826.4MHz)
WCDMA	\	\	\	24.09
Item	band	FDDII result		
	ARFCN	9538 (1907.6MHz)	9400 (1880MHz)	9262 (1852.4MHz)
WCDMA	\	24.49	\	\
Item	band	FDDIV result		
	ARFCN	1513 (1752.6MHz)	1412 (1732.4MHz)	1312 (1712.4MHz)
WCDMA	\	24.61	\	\

**Table I.1-4: The conducted Power for LTE**

LTE Band2 20MHz 1RB-Low (50)	1900 (19100)	22.82
	1880 (18900)	\
	1860 (18700)	\
LTE Band4 20MHz 1RB-Low (0)	1745 (20300)	\
	1732.5 (20175)	23.08
	1720 (20050)	23.09
LTE Band12 10MHz 1RB-Middle (0)	711(23130)	23.22
	707.5(23095)	\
	704(23060)	\

## I.2 Measurement results

**Table I.2-1: SAR Values (GSM 850 MHz Band - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
824.2	128	Right	Touch	Fig.1	32.55	33.8	0.189	<b>0.25</b>	0.245	<b>0.33</b>	0.04

**Table I.2-2: SAR Values (GSM 850 MHz Band - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
824.2	128	GPRS (2)	Rear	Fig.2	30.46	32	0.33	<b>0.47</b>	0.569	<b>0.81</b>	-0.11

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table I.2-3: SAR Values (GSM 1900 MHz Band - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1909.8	810	Left	Touch	Fig.3	29.44	30.8	0.11	<b>0.15</b>	0.177	<b>0.24</b>	0.07

**Table I.2-4: SAR Values (GSM 1900 MHz Band - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1909.8	810	GPRS (2)	Bottom	Fig.4	27.38	29	0.305	<b>0.44</b>	0.522	<b>0.76</b>	0.12

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table I.2-5: SAR Values (WCDMA 850 MHz Band - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
826.4	4132	Right	Touch	Fig.5	24.09	25	0.122	<b>0.15</b>	0.159	<b>0.20</b>	-0.02



**Table I.2-6: SAR Values (WCDMA 850 MHz Band - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C				
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.									
826.4	4132	Rear	Fig.6	24.09	25	0.284	<b>0.35</b>	0.371	<b>0.46</b>	0.17

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table I.2-7: SAR Values (WCDMA 1700 MHz Band - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g)	Reported SAR(10g)	Measured SAR(1g)	Reported SAR(1g)	Power Drift
MHz	Ch.						(W/kg)	(W/kg)	(W/kg)	(W/kg)	
1752.6	1513	Right	Touch	Fig.7	24.61	25	0.102	<b>0.11</b>	0.163	<b>0.18</b>	0.01

**Table I.2-8: SAR Values (WCDMA 1700 MHz Band - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C				
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.									
1752.6	1513	Rear	Fig.8	24.61	25	0.517	<b>0.57</b>	0.866	<b>0.95</b>	-0.12

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table I.2-9: SAR Values (WCDMA 1900 MHz Band - Head)**

Ambient Temperature: 22.9 °C      Liquid Temperature: 22.5 °C											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g)	Reported SAR(10g)	Measured SAR(1g)	Reported SAR(1g)	Power Drift
MHz	Ch.						(W/kg)	(W/kg)	(W/kg)	(W/kg)	
1907.6	9538	Left	Touch	Fig.9	24.49	24.5	0.211	<b>0.21</b>	0.348	<b>0.35</b>	0.11

**Table I.2-10: SAR Values (WCDMA 1900 MHz Band - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C				
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.									
1907.6	9538	Bottom	Fig.10	24.49	24.5	0.471	<b>0.47</b>	0.825	<b>0.83</b>	0.11

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table I.2-11: SAR Values (LTE Band2 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
1900	19100	1RB_Low	Left	Touch	Fig.11	22.82	23.8	0.216	<b>0.27</b>	0.357	<b>0.45</b>	-0.13

Note1: The LTE mode is QPSK\_20MHz.

**Table I.2-12: SAR Values (LTE Band2 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1900	19100	1RB_Low	Bottom	Fig.12	22.82	23.8	0.442	<b>0.55</b>	0.763	<b>0.96</b>	0.18

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_20MHz.

**Table I.2-13: SAR Values (LTE Band4 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
1720	20050	1RB_Low	Right	Touch	Fig.13	23.09	23.8	0.0835	<b>0.10</b>	0.134	<b>0.16</b>	0.06

Note1: The LTE mode is QPSK\_20MHz.

**Table I.2-14: SAR Values (LTE Band4 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1732.5	20175	1RB_Low	Rear	Fig.14	23.08	23.8	0.38	<b>0.45</b>	0.782	<b>0.92</b>	-0.01

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_20MHz.



**Table I.2-15: SAR Values (LTE Band12 - Head)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
711	23130	1RB_Mid	Right	Touch	Fig.15	23.22	23.8	0.0932	<b>0.11</b>	0.117	<b>0.13</b>	0.03

Note1: The LTE mode is QPSK\_10MHz.

**Table I.2-16: SAR Values (LTE Band12 - Body)**

Ambient Temperature: 22.9 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
711	23130	1RB_Mid	Rear	Fig.16	23.22	23.8	0.176	<b>0.20</b>	0.293	<b>0.33</b>	0.11

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_10MHz.

### I.3 Reported SAR Comparison

Exposure Configuration	Technology Band	Reported SAR 1g (W/Kg): spot check	Reported SAR 1g (W/Kg): original
Head (Separation Distance 0mm)	GSM 850	0.33	0.42
	PCS 1900	0.24	0.30
	WCDMA 1900	0.20	0.56
	WCDMA 1700	0.18	0.45
	WCDMA 850	0.35	0.63
	LTE Band2	0.45	0.48
	LTE Band4	0.16	0.24
	LTE Band12	0.13	0.13
Body-worn (Data) (Separation Distance 10mm)	GSM 850	0.81	0.85
	PCS 1900	0.76	0.93
	WCDMA 1900	0.46	0.92
	WCDMA 1700	0.95	1.46
	WCDMA 850	0.83	1.47
	LTE Band2	0.96	1.10
	LTE Band4	0.92	0.95
	LTE Band12	0.33	0.40

## I.4 Graph Results

### 850 Right Cheek Low

Date: 2016-5-12

Electronics: DAE4 Sn777

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.912$  mho/m;  $\epsilon_r = 42.96$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 Frequency: 824.2 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3617 ConvF(9.56, 9.56, 9.56)

**Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.286 W/kg

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

Reference Value = 6.276 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.307 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.189 W/kg**

Maximum value of SAR (measured) = 0.276 W/kg

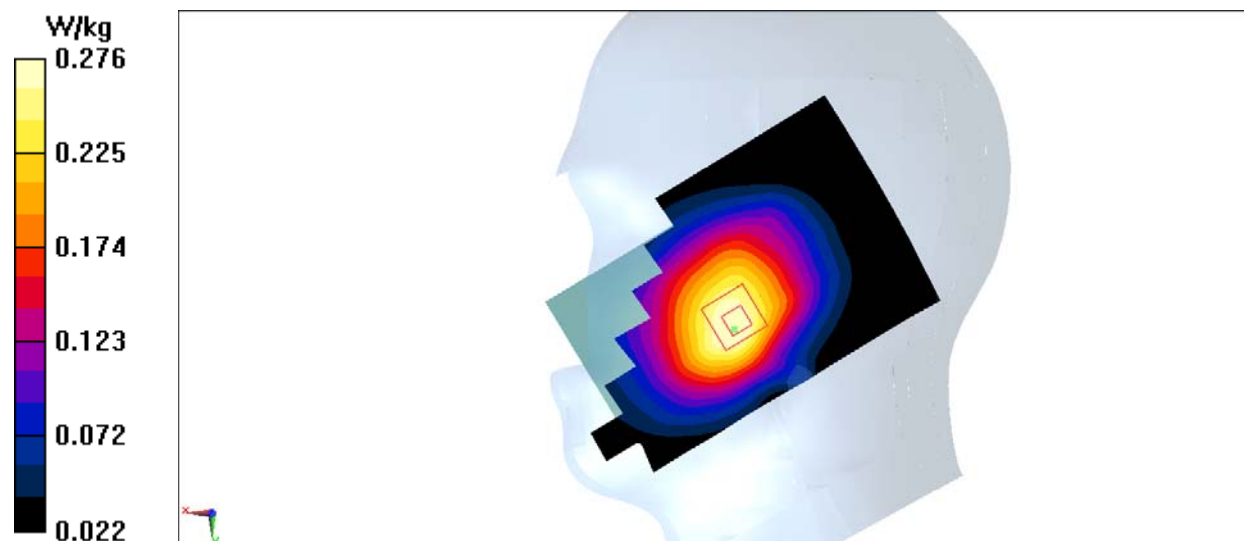


Fig.1 850MHz

### 850 Body Rear Low

Date: 2016-5-12

Electronics: DAE4 Sn777

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.938$  mho/m;  $\epsilon_r = 56.88$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:4

Probe: EX3DV4 - SN3617 ConvF(9.71, 9.71, 9.71)

**Area Scan (121x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.669 W/kg

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

Reference Value = 23.10 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.975 W/kg

**SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.330 W/kg**

Maximum value of SAR (measured) = 0.709 W/kg

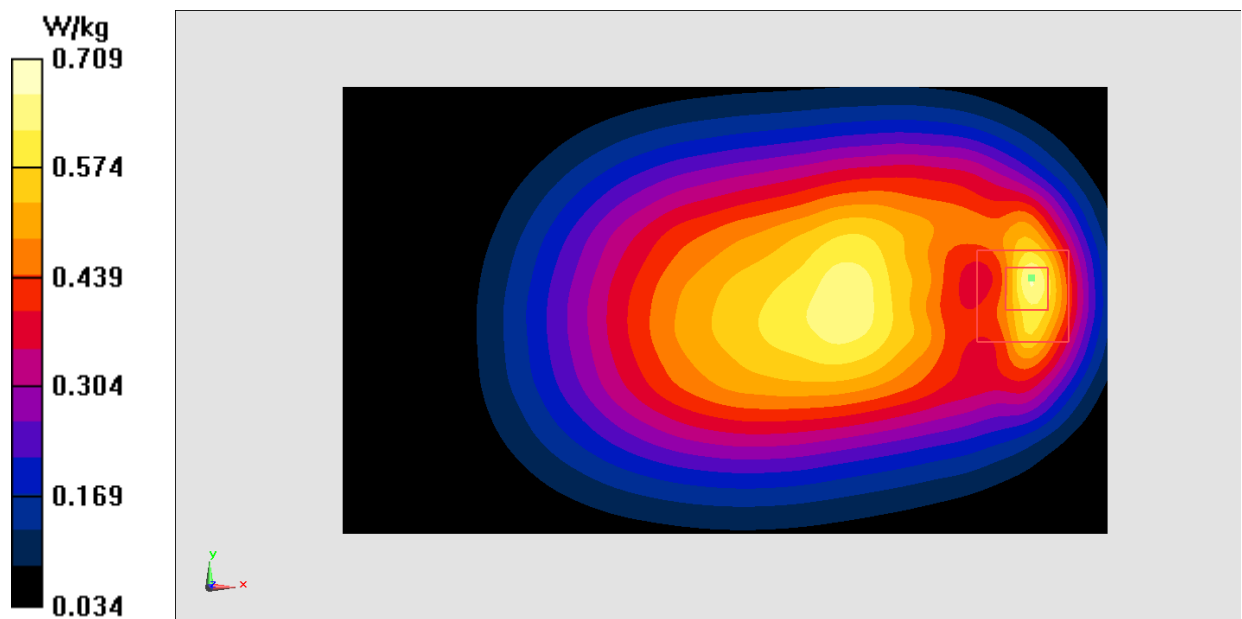


Fig.2 850 MHz

### 1900 Left Cheek High

Date: 2016-5-13

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.445$  mho/m;  $\epsilon_r = 39.08$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3617 ConvF(8.07, 8.07, 8.07)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.258 W/kg

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

Reference Value = 4.728 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.274 W/kg

**SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.110 W/kg**

Maximum value of SAR (measured) = 0.211 W/kg

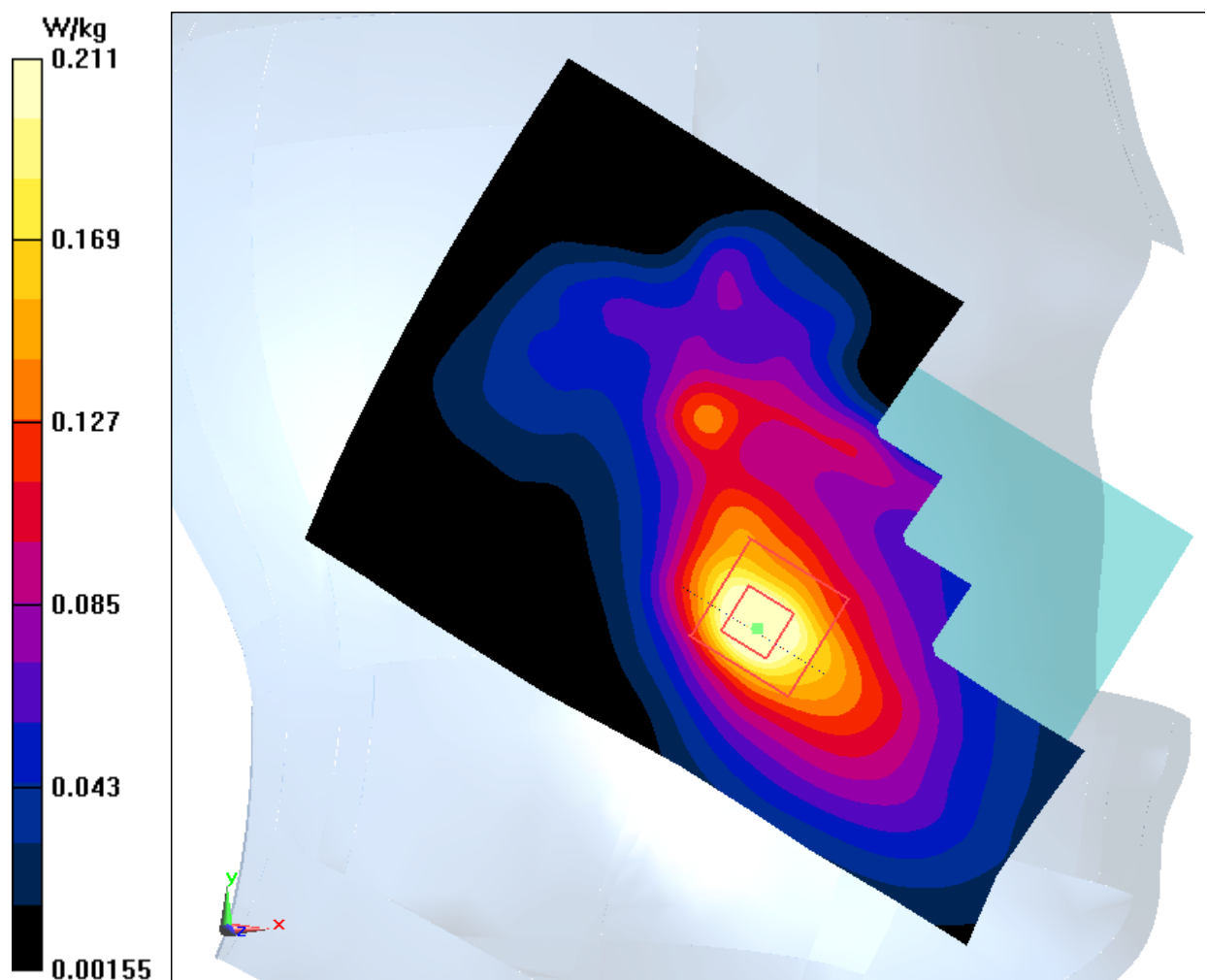


Fig.3 1900 MHz

### 1900 Body Bottom High

Date: 2016-5-13

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.576$  mho/m;  $\epsilon_r = 53.82$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:4

Probe: EX3DV4 - SN3617 ConvF(7.74, 7.74, 7.74)

**Area Scan (121x71x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.655 W/kg

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

Reference Value = 18.84 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.833 W/kg

**SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.305 W/kg**

Maximum value of SAR (measured) = 0.629 W/kg

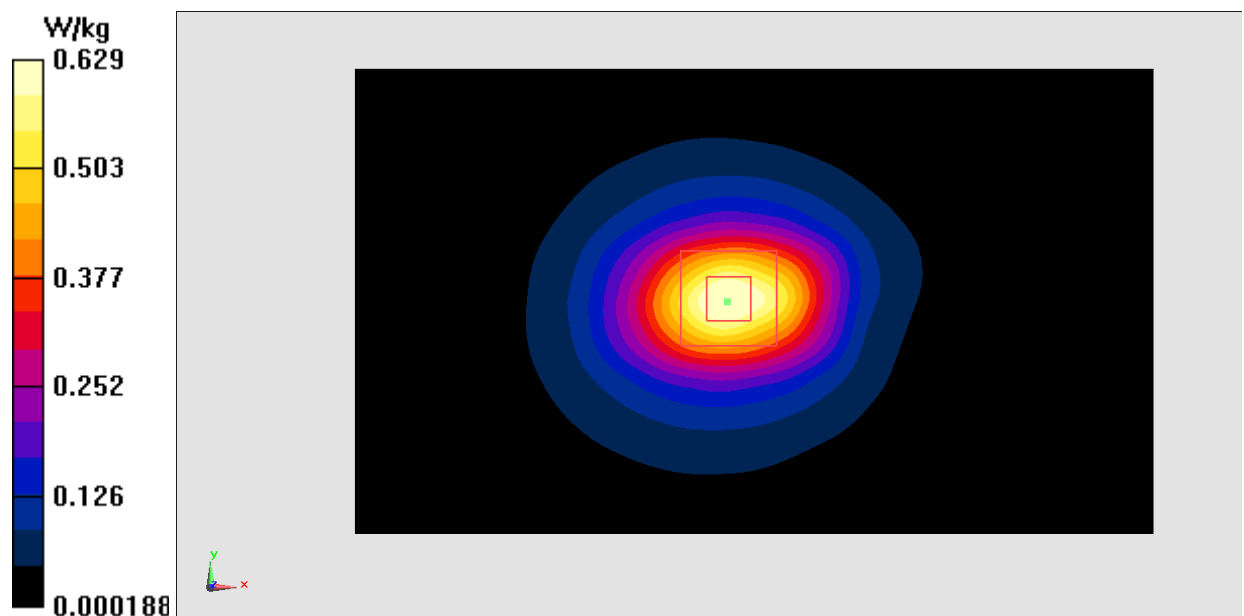


Fig.4 1900 MHz

### WCDMA 850 Right Cheek Low

Date: 2016-5-11

Electronics: DAE4 Sn777

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.916$  mho/m;  $\epsilon_r = 42.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(9.56, 9.56, 9.56)

**Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.177 W/kg

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

Reference Value = 4.621 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.197 W/kg

**SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.171 W/kg

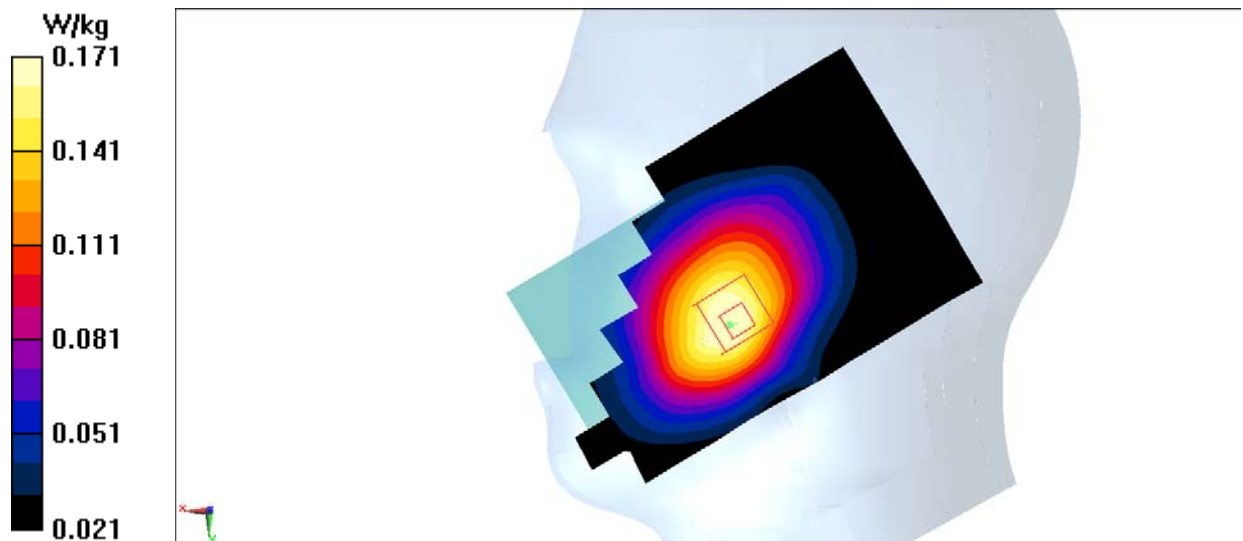


Fig.5 WCDMA 850



## WCDMA 850 Body Rear Low

Date: 2016-5-11

Electronics: DAE4 Sn777

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 55.39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(9.71, 9.71, 9.71)

**Area Scan (121x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.408 W/kg

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

Reference Value = 19.36 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.459 W/kg

**SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.284 W/kg**

Maximum value of SAR (measured) = 0.398 W/kg

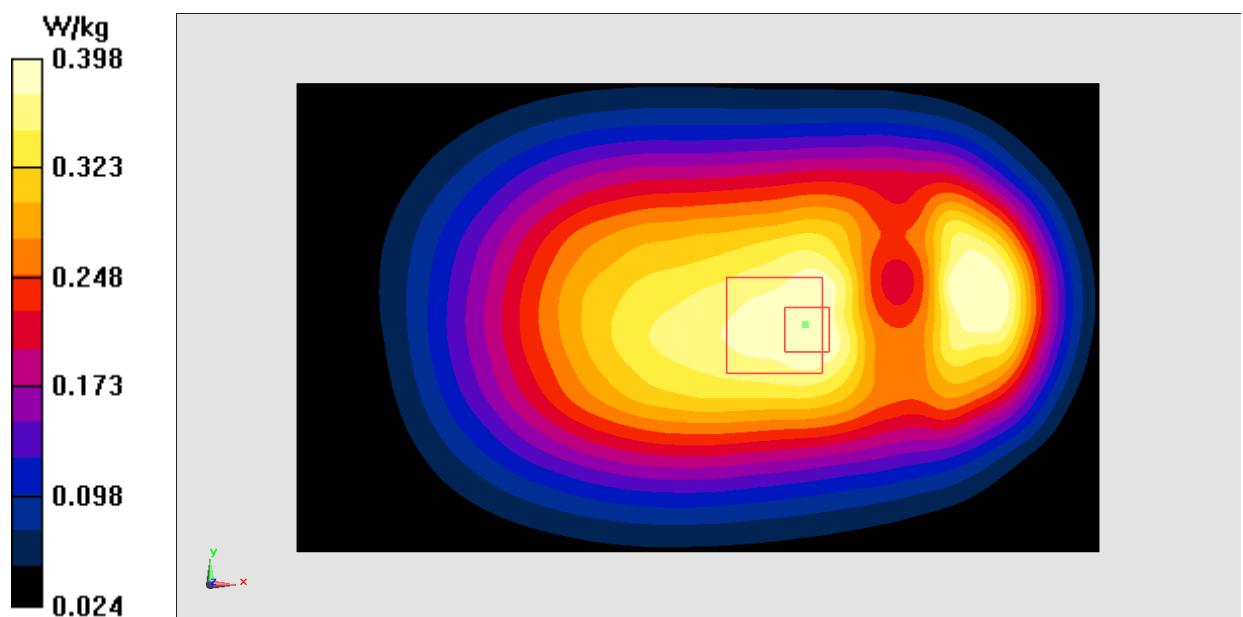


Fig.6 WCDMA 850

## WCDMA 1700 Right Cheek High

Date: 2016-5-12

Electronics: DAE4 Sn777

Medium: Head 1750 MHz

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.361$  mho/m;  $\epsilon_r = 39.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: WCDMA 1750 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(8.07, 8.07, 8.07)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.215 W/kg

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

Reference Value = 6.038 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.248 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.102 W/kg**

Maximum value of SAR (measured) = 0.208 W/kg

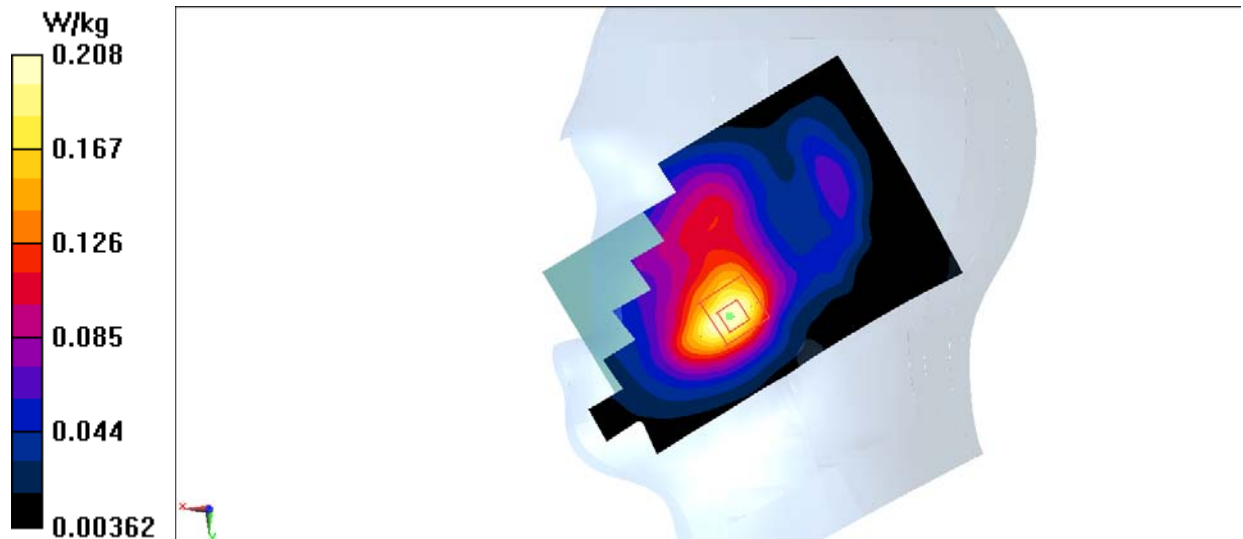


Fig.7 WCDMA1700

## WCDMA 1700 Body Rear High

Date: 2016-5-12

Electronics: DAE4 Sn777

Medium: Body 1750 MHz

Medium parameters used:  $f = 1752.6$  MHz;  $\sigma = 1.561$  mho/m;  $\epsilon_r = 52.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: WCDMA 1750 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.74, 7.74, 7.74)

**Area Scan (121x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

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

Reference Value = 10.12 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.517 W/kg**

Maximum value of SAR (measured) = 1.00 W/kg

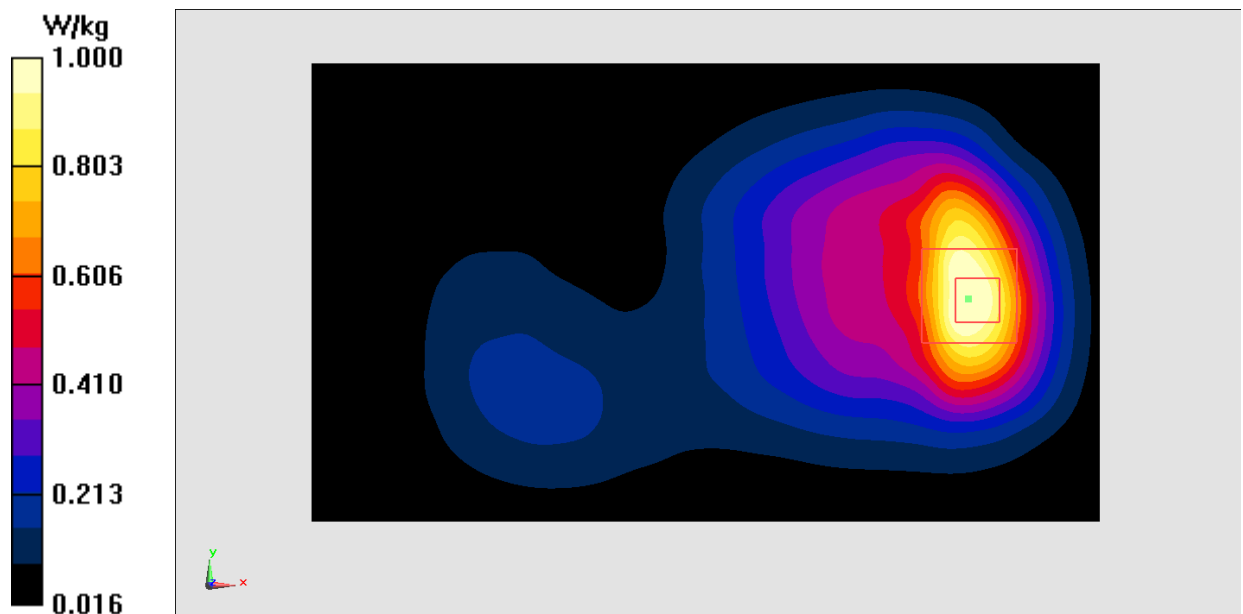


Fig.8 WCDMA1700

### WCDMA 1900 Left Cheek High

Date: 2016-5-13

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.434$  mho/m;  $\epsilon_r = 39.85$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(8.07, 8.07, 8.07)

**Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.258 W/kg

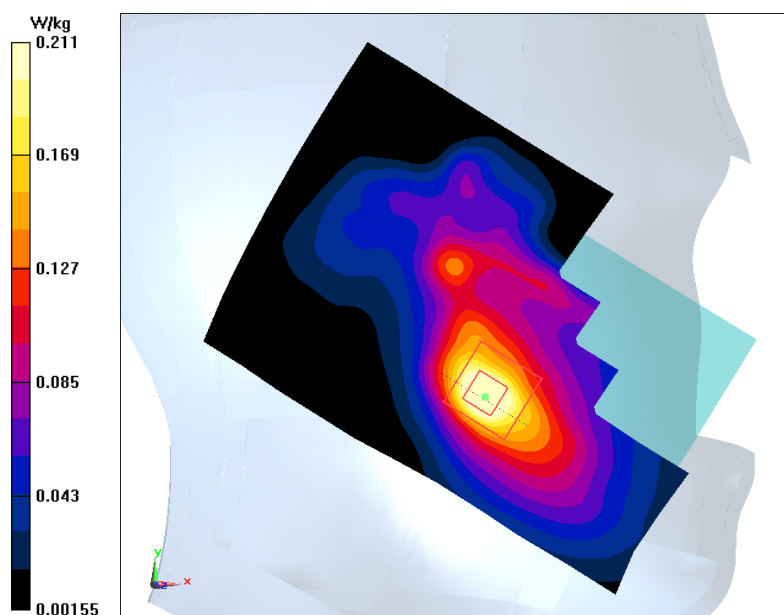
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.728 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.274 W/kg

**SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.110 W/kg**

Maximum value of SAR (measured) = 0.211 W/kg



**Fig.9 WCDMA1900**

## WCDMA 1900 Body Bottom High

Date: 2016-5-13

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.511$  mho/m;  $\epsilon_r = 53.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.74, 7.74, 7.74)

**Area Scan (121x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

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

Reference Value = 21.51 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.471 W/kg**

Maximum value of SAR (measured) = 0.987 W/kg

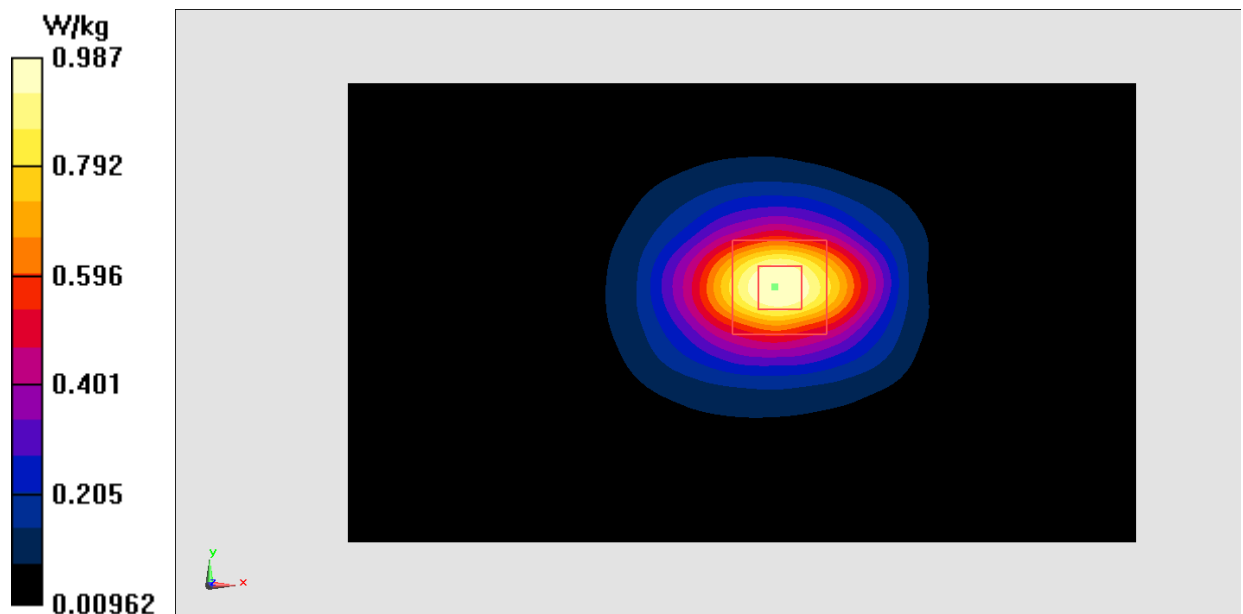


Fig.10 WCDMA1900

### LTE Band2 Left Cheek High with QPSK\_20M\_1RB\_Low

Date: 2016-5-13

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.436$  mho/m;  $\epsilon_r = 39.88$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: LTE Band2 Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(8.07, 8.07, 8.07)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.404 W/kg

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

Reference Value = 7.907 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.552 W/kg

**SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.216 W/kg**

Maximum value of SAR (measured) = 0.421 W/kg

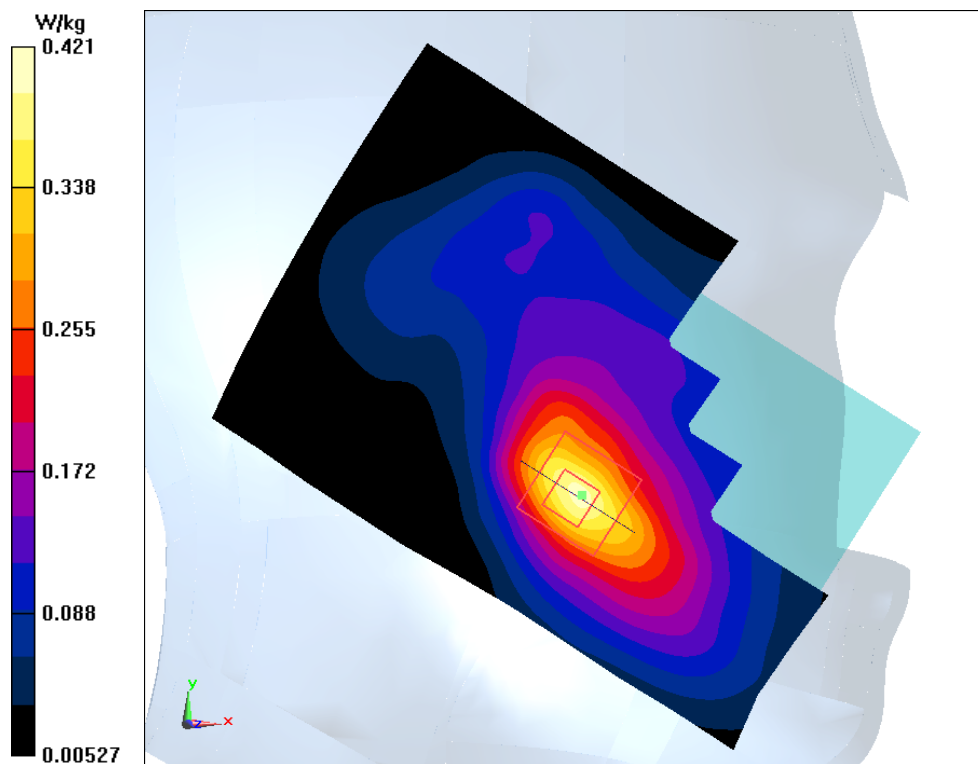


Fig.11 LTE Band2



### LTE Band2 Body Bottom High with QPSK\_20M\_1RB\_Low

Date: 2016-5-13

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.561$  mho/m;  $\epsilon_r = 54.23$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: LTE Band2 Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.74, 7.74, 7.74)

**Area Scan (121x71x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.922 W/kg

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

Reference Value = 22.70 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.763 W/kg; SAR(10 g) = 0.442 W/kg**

Maximum value of SAR (measured) = 0.919 W/kg

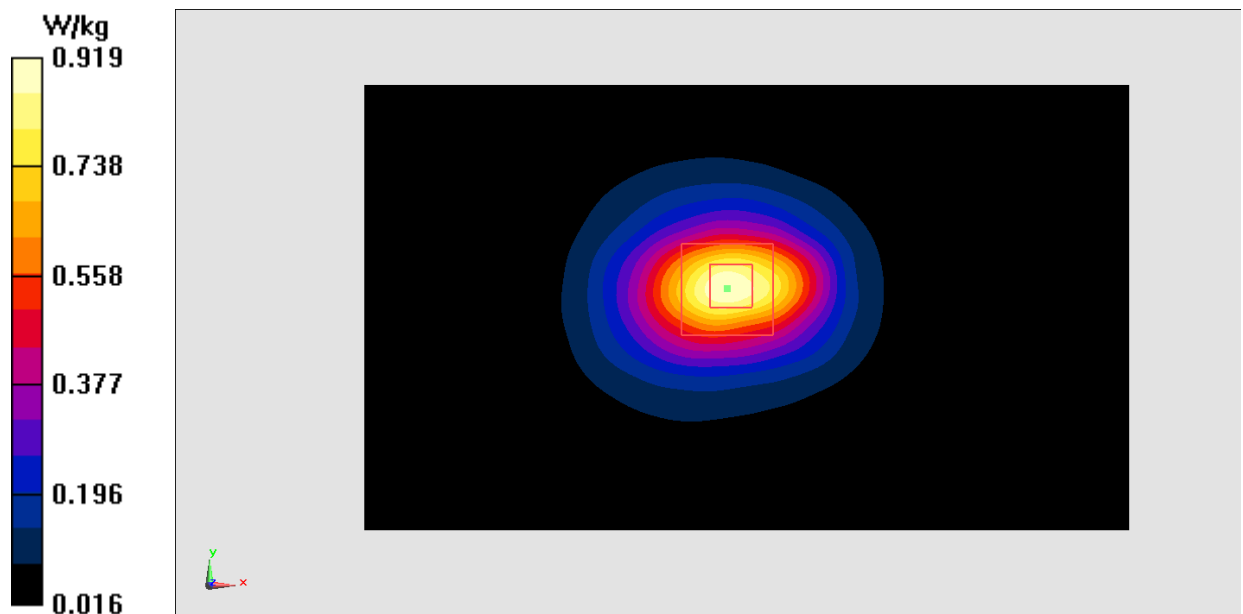


Fig.12 LTE Band2

### LTE Band4 Right Cheek Low with QPSK\_20M\_1RB\_Low

Date: 2016-5-12

Electronics: DAE4 Sn777

Medium: Head 1750 MHz

Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.329$  mho/m;  $\epsilon_r = 41.36$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: LTE Band4 Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(8.34, 8.34, 8.34)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.172 W/kg

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

Reference Value = 5.296 V/m; Power Drift = 0.06dB

Peak SAR (extrapolated) = 0.200 W/kg

**SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.169 W/kg

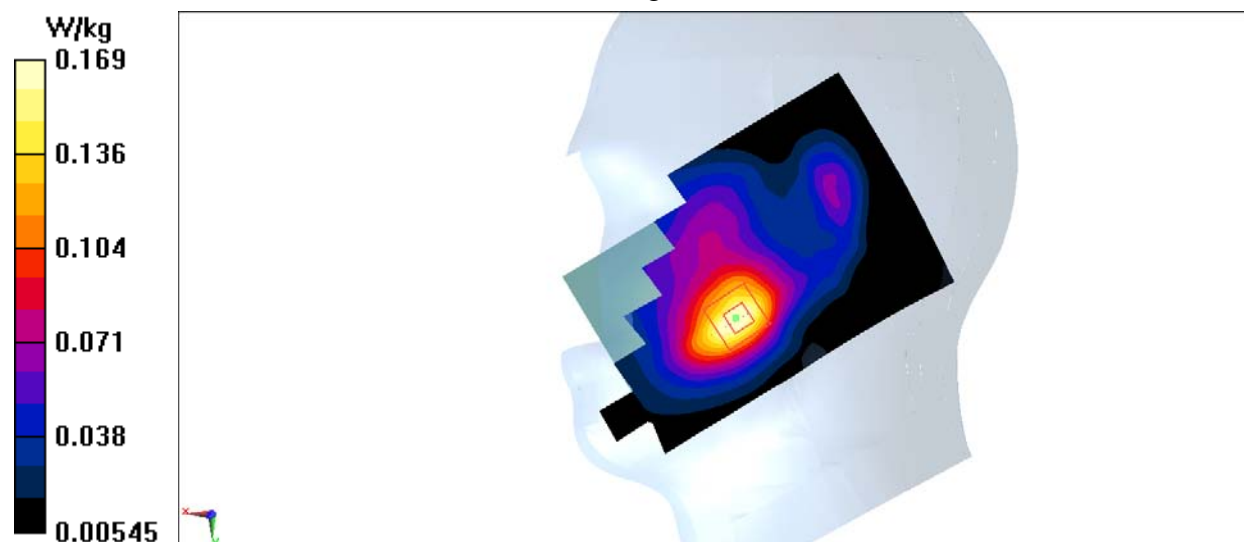


Fig.13 LTE Band4

### LTE Band4 Body Rear Middle with QPSK\_20M\_1RB\_Low

Date: 2016-5-12

Electronics: DAE4 Sn777

Medium: Body 1750 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.511$  mho/m;  $\epsilon_r = 52.94$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: LTE Band4 Frequency: 1732.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.96, 7.96, 7.96)

**Area Scan (121x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.856 W/kg

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

Reference Value = 8.687 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.380 W/kg**

Maximum value of SAR (measured) = 0.945 W/kg

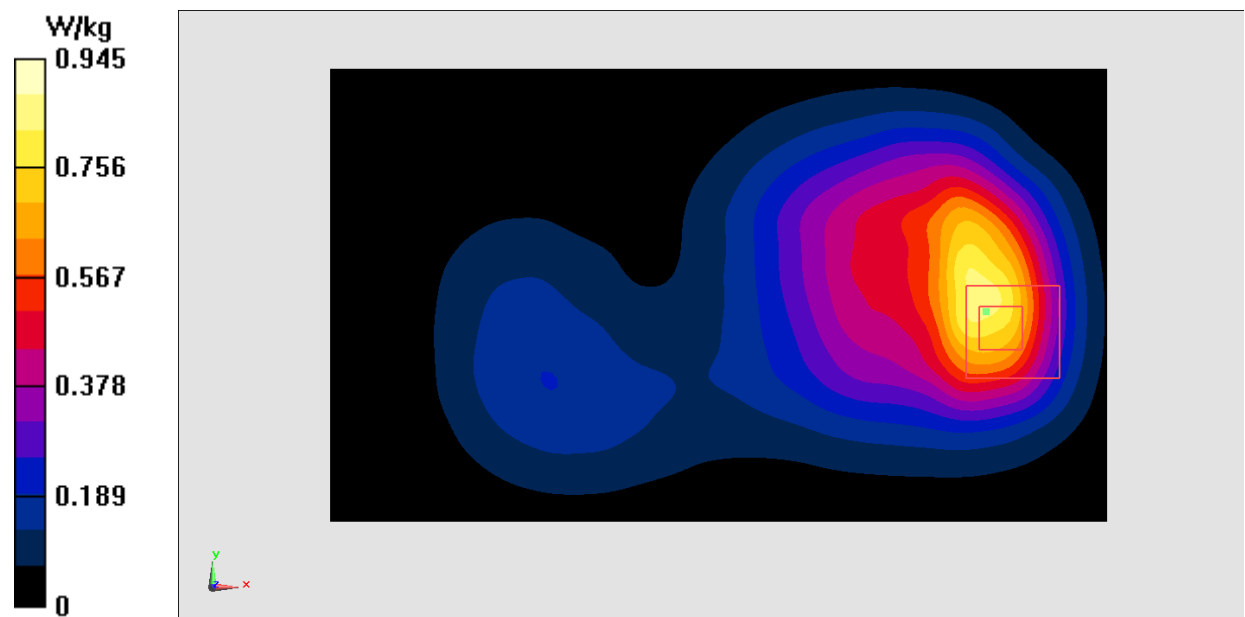


Fig.14 LTE Band4

### LTE Band12 Right Cheek High with QPSK\_10M\_1RB\_Middle

Date: 2016-5-10

Electronics: DAE4 Sn777

Medium: Head 750 MHz

Medium parameters used (interpolated):  $f = 711$  MHz;  $\sigma = 0.875$  mho/m;  $\epsilon_r = 42.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: LTE Band12 Frequency: 711 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.21, 7.21, 7.21)

**Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.130 W/kg

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

Reference Value = 2.637 V/m; Power Drift = 0.03dB

Peak SAR (extrapolated) = 0.139 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.093 W/kg**

Maximum value of SAR (measured) = 0.130 W/kg

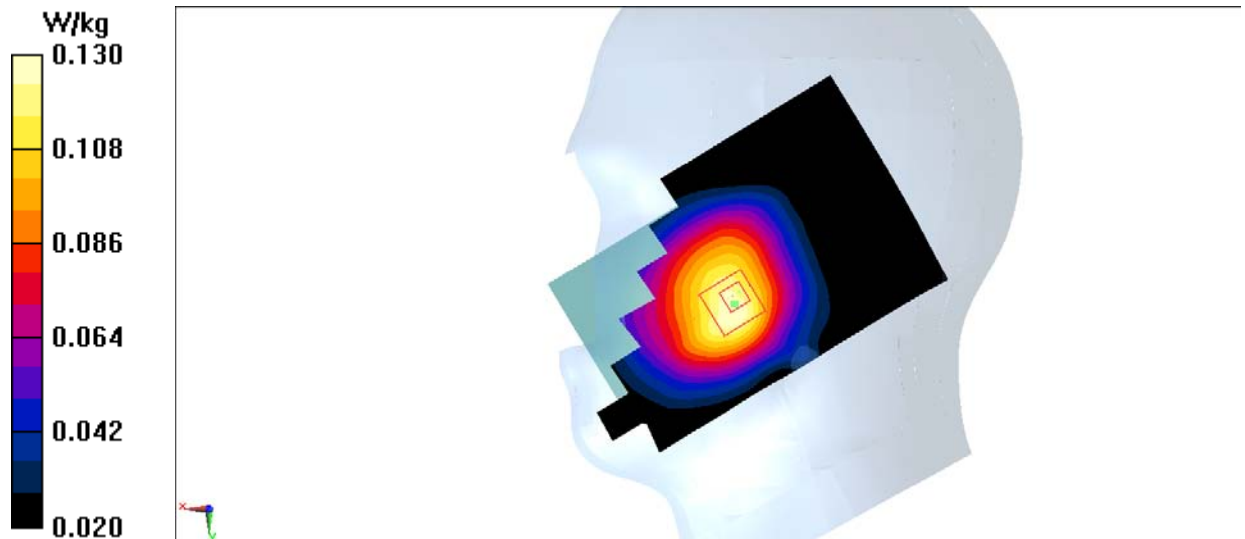


Fig.15 LTE Band12

# **LTE Band12 Body Rear High with QPSK\_10M\_1RB\_Middle**

Date: 2016-5-10

Electronics: DAE4 Sn777

Medium: Body 750 MHz

Medium parameters used (interpolated):  $f = 711$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r = 57.21$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: LTE Band12 Frequency: 711 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.20, 7.20, 7.20)

**Area Scan (121x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

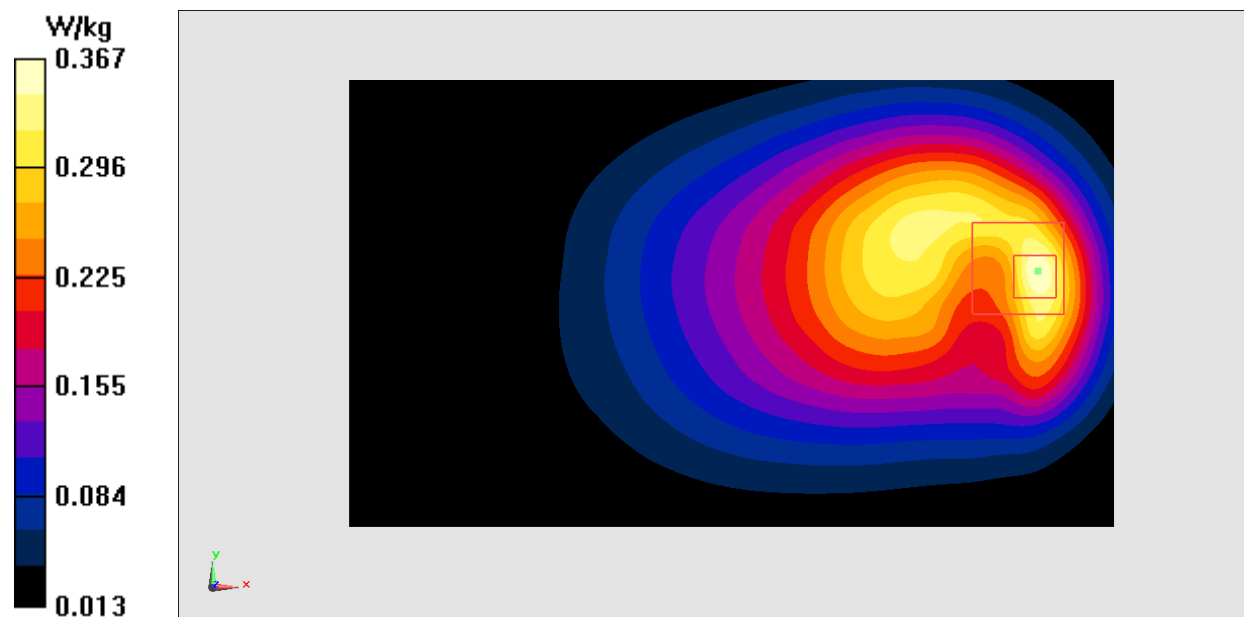
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.25 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.513 W/kg

**SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.176 W/kg**

Maximum value of SAR (measured) = 0.367 W/kg



**Fig.16 LTE Band12**

## ANNEX J New Battery Assessment

Battery: CAB2000060C1

**Table J-1: SAR Values (GSM 850 MHz Band - Head)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
824.2	128	Right	Touch	/	32.55	33.8	0.19	<b>0.25</b>	0.244	<b>0.33</b>	0.03

**Table J-2: SAR Values (GSM 850 MHz Band - Body)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
824.2	128	GPRS (2)	Rear	/	30.46	32	0.468	<b>0.67</b>	0.590	<b>0.84</b>	-0.04

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table J-3: SAR Values (GSM 1900 MHz Band - Head)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1909.8	810	Left	Touch	/	29.44	30.8	0.170	<b>0.23</b>	0.107	<b>0.15</b>	-0.10

**Table J-4: SAR Values (GSM 1900 MHz Band - Body)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1909.8	810	GPRS (2)	Bottom	/	27.38	29	0.341	<b>0.50</b>	0.586	<b>0.85</b>	-0.06

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table J-5: SAR Values (WCDMA 850 MHz Band - Head)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
826.4	4132	Right	Touch	/	24.09	25	0.214	<b>0.26</b>	0.272	<b>0.34</b>	0.04



**Table J-6: SAR Values (WCDMA 850 MHz Band - Body)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C				
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.									
826.4	4132	Rear	/	24.09	25	0.220	<b>0.27</b>	0.380	<b>0.47</b>	-0.03

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table J-7: SAR Values (WCDMA 1700 MHz Band - Head)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1752.6	1513	Right	Touch	/	24.61	25	0.126	<b>0.14</b>	0.197	<b>0.22</b>	0.02

**Table J-8: SAR Values (WCDMA 1700 MHz Band - Body)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C				
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.									
1752.6	1513	Rear	/	24.61	25	0.469	<b>0.51</b>	0.779	<b>0.85</b>	0.04

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table J-9: SAR Values (WCDMA 1900 MHz Band - Head)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g)	Reported SAR(10g)	Measured SAR(1g)	Reported SAR(1g)	Power Drift (dB)
MHz	Ch.						(W/kg)	(W/kg)	(W/kg)	(W/kg)	
1907.6	9538	Left	Touch	/	24.49	24.5	0.346	<b>0.35</b>	0.213	<b>0.21</b>	0.10

**Table J-10: SAR Values (WCDMA 1900 MHz Band - Body)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C				
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.									
1907.6	9538	Bottom	/	24.49	24.5	0.411	<b>0.41</b>	0.716	<b>0.72</b>	0.02

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table J-11: SAR Values (LTE Band2 - Head)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5°C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
1900	19100	1RB_Low	Left	Touch	/	22.82	23.8	0.305	<b>0.38</b>	0.187	<b>0.23</b>	0.09

Note1: The LTE mode is QPSK\_20MHz.

**Table J-12: SAR Values (LTE Band2 - Body)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1900	19100	1RB_Low	Bottom	/	22.82	23.8	0.414	<b>0.52</b>	0.745	<b>0.93</b>	0.05

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_20MHz.

**Table J-13: SAR Values (LTE Band4 - Head)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5°C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
1720	20050	1RB_Low	Right	Touch	/	23.09	23.8	0.089	<b>0.10</b>	0.138	<b>0.16</b>	0.04

Note1: The LTE mode is QPSK\_20MHz.

**Table J-14: SAR Values (LTE Band4 - Body)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1732.5	20175	1RB_Low	Rear	/	23.08	23.8	0.406	<b>0.48</b>	0.670	<b>0.79</b>	0.07

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_20MHz.

**Table J-15: SAR Values (LTE Band12 - Head)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.											
711	23130	1RB_Mid	Right	Touch	/	23.22	23.8	0.115	<b>0.13</b>	0.117	<b>0.13</b>	0.09

Note1: The LTE mode is QPSK\_10MHz.

**Table J-16: SAR Values (LTE Band12 - Body)**

Ambient Temperature: 23.0 °C						Liquid Temperature: 22.5 °C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
711	23130	1RB_Mid	Rear	/	23.22	23.8	0.245	<b>0.28</b>	0.313	<b>0.36</b>	0.04

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_10MHz.

**Table J-19: SAR Values (WLAN - Head) – 802.11b 1Mbps (Full SAR)**

Ambient Temperature: 22.5 °C						Liquid Temperature: 22.0 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
2437	6	Left	Tilt	/	19.19	20	0.256	<b>0.31</b>	0.634	<b>0.76</b>	0.06

**Table J-20: SAR Values (WLAN - Body) – 802.11b 1Mbps (Full SAR)**

Ambient Temperature: 22.5 °C						Liquid Temperature: 22.0 °C				
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.									
2437	6	Rear	/	19.19	20	0.189	<b>0.23</b>	0.438	<b>0.53</b>	0.08

## ANNEX K Accreditation Certificate

<div></div> <div><p>China National Accreditation Service for Conformity Assessment</p><p><b>LABORATORY ACCREDITATION CERTIFICATE</b></p><p>(No. CNAS L0570 )</p><p><b>Telecommunication Technology Labs,</b> <b>Academy of Telecommunication Research, MIIT</b> <u>No.52, Huayuan North Road, Haidian District, Beijing, China</u> <u>No.51, Xueyuan Road, Haidian District, Beijing, China</u></p><p><i>In ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing and calibration.</i></p><p><i>The scope of accreditation is detailed in the attached schedule bearing the same accreditation number as above. The schedule forms an integral part of this certificate.</i></p><div><p>Date of Issue: 2014-10-29</p><p>Date of Expiry: 2017-06-19</p><p>Date of Initial Accreditation: 1998-07-03</p></div><div></div><p>Signed on behalf of China National Accreditation Service for Conformity Assessment</p><p><small>China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCAS) to operate the national accreditation schemes for conformity assessment. CNAS is the signatory to International Laboratory Accreditation Cooperation/Multilateral Recognition Arrangement (ILAC-MRA) and Asia Pacific Laboratory Accreditation Cooperation/Multilateral Recognition Arrangement (APLAC-MRA).</small></p><div><p>No. CNAS AL 2</p><p>0011149</p></div></div>
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