## System Performance Check at 835 MHz Body TSL

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 4d020**

Date/Time: 3/14/2014 5:21:34 PM

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1

Medium parameters used: f = 835 MHz; $\sigma$ = 0.99 mho/m; $\varepsilon_r$ = 55.9; $\rho$ = 1000 kg/m$^3$

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 – SN3677; ConvF(9.51, 9.51, 9.51); Calibrated: 11/28/2013;

Electronics: DAE4 Sn1317; Calibrated: 1/16/2014

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**d=15mm, Pin=250mW/Area Scan (61x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.72 mW/g

**d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.9 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 3.63 W/kg

**SAR(1 g) = 2.52 mW/g; SAR(10 g) = 1.65 mW/g**

Maximum value of SAR (measured) = 2.73 mW/g

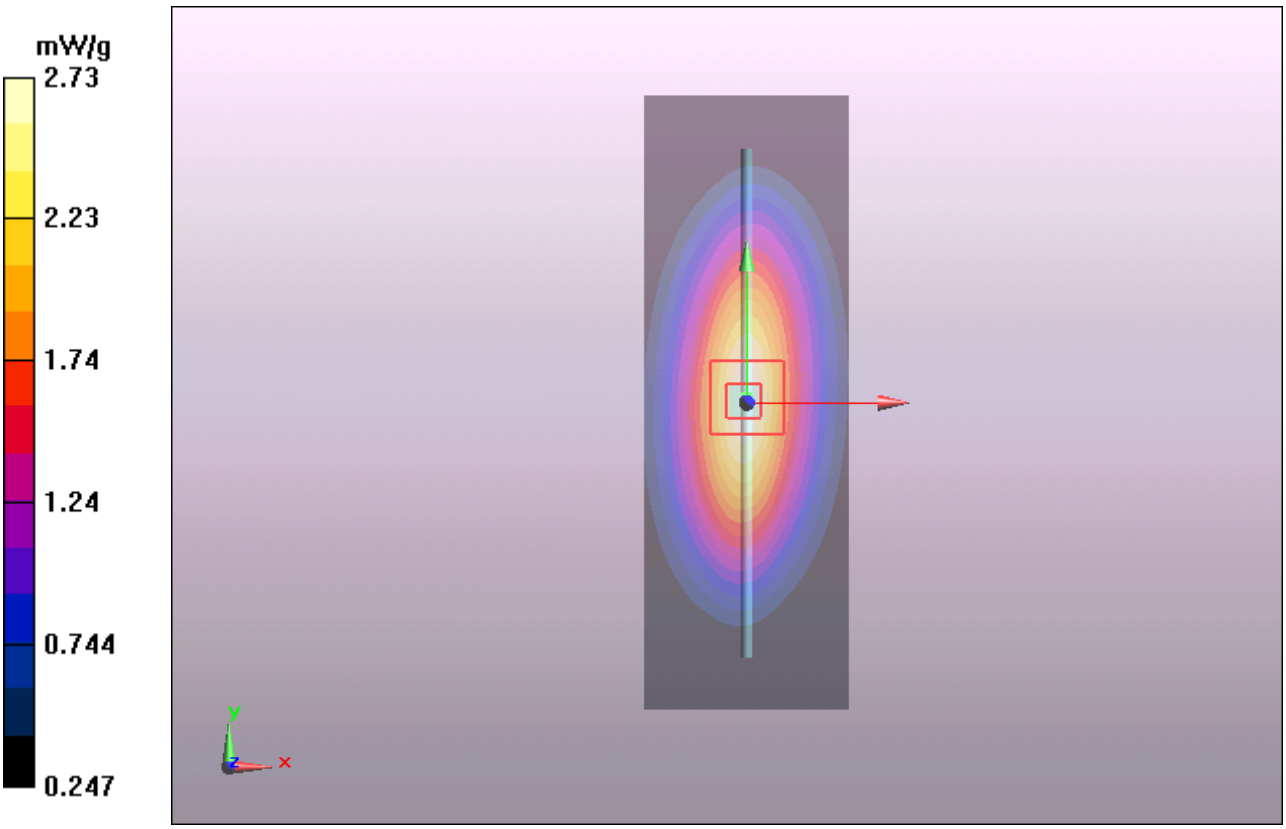



**Figure 7 System Performance Check 835MHz 250mW**

## System Performance Check at 1900 MHz Head TSL

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d060**

Date/Time: 3/18/2014 23:13:45 PM

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; $\sigma$ = 1.43 mho/m; $\varepsilon_r$ = 39.6; $\rho$ = 1000 kg/m$^3$

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013;

Electronics: DAE4 Sn1317; Calibrated: 1/16/2014

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**d=10mm, Pin=250mW/Area Scan (41x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.3 mW/g

**d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.5 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 17.8 W/kg

**SAR(1 g) = 9.48 mW/g; SAR(10 g) = 4.9 mW/g**

Maximum value of SAR (measured) = 10.7 mW/g

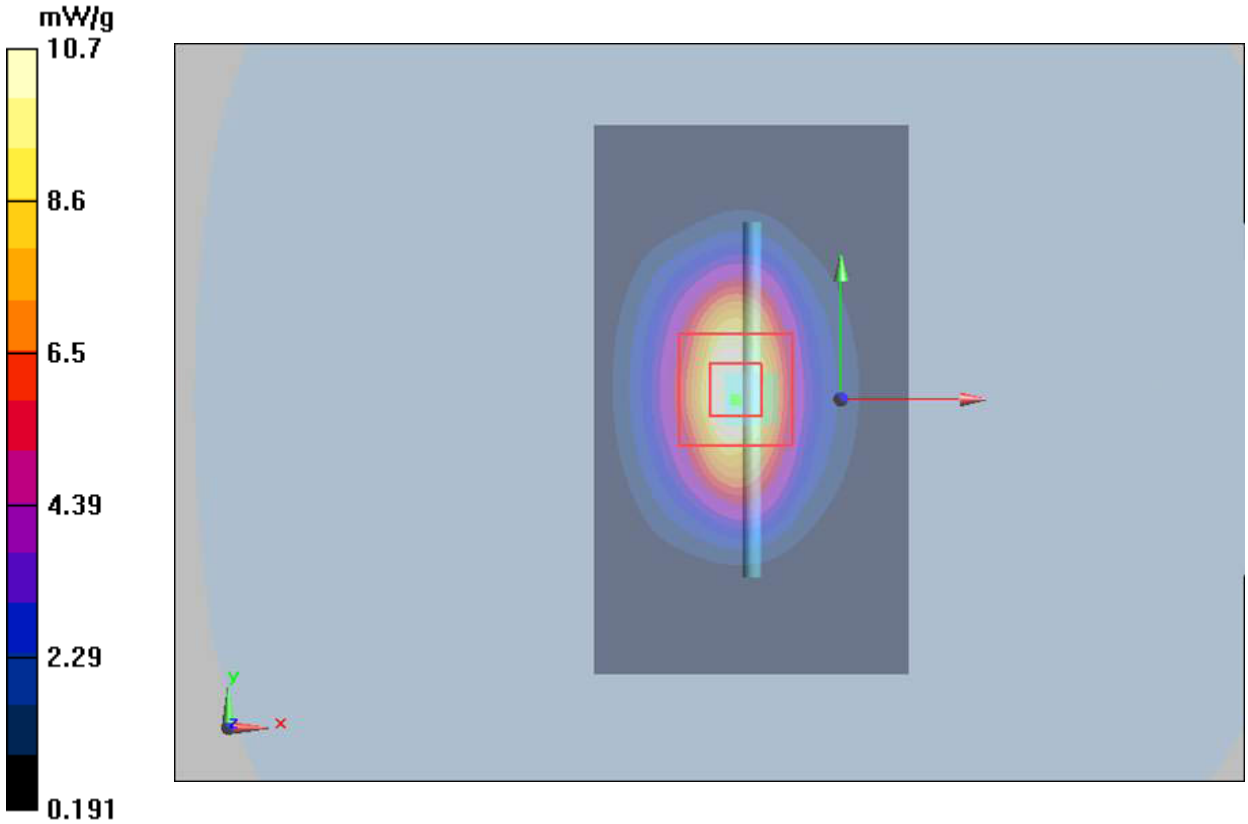



**Figure 8 System Performance Check 1900MHz 250mW**

## System Performance Check at 1900 MHz Body TSL

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d060**

Date/Time: 3/17/2014 11:45:37 AM

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; $\sigma$ = 1.52 mho/m; $\varepsilon_r$ = 52.6; $\rho$ = 1000 kg/m$^3$

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;

Electronics: DAE4 Sn1317; Calibrated: 1/16/2014

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**d=10mm, Pin=250mW/Area Scan (41x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.9 mW/g

**d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80.8 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 17.6 W/kg

**SAR(1 g) = 9.82 mW/g; SAR(10 g) = 5.2 mW/g**

Maximum value of SAR (measured) = 11 mW/g

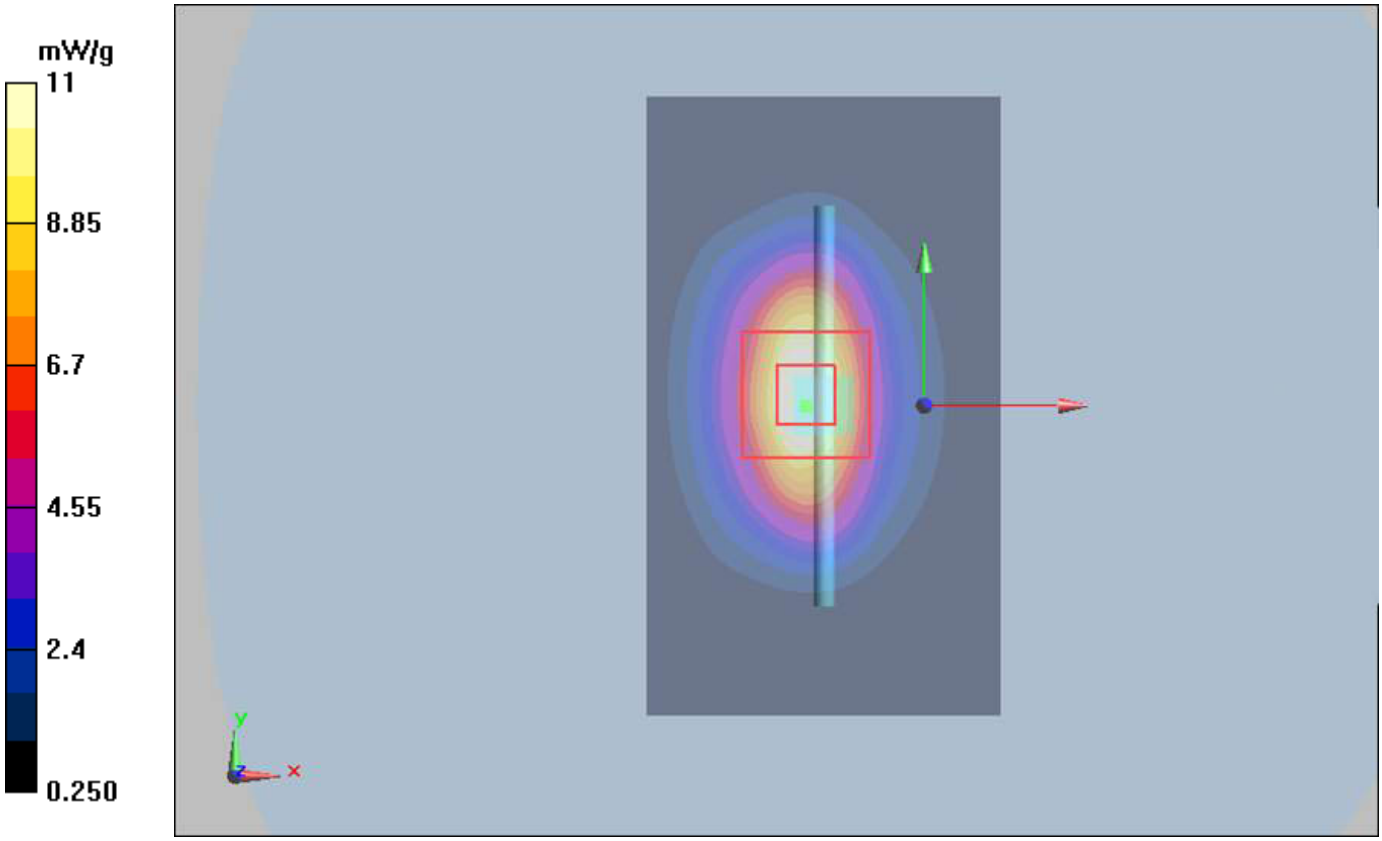



**Figure 9 System Performance Check 1900MHz 250mW**

## System Performance Check at 2450 MHz Head TSL

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 786**

Date/Time: 3/19/2014 5:41:12 AM

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; $\sigma$ = 1.80 mho/m; $\varepsilon_r$ = 39.1; $\rho$ = 1000 kg/m$^3$

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN3677; ConvF(7.64, 7.64, 7.64); Calibrated: 11/28/2013;

Electronics: DAE4 Sn1317; Calibrated: 1/16/2014

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**d=10mm, Pin=250mW/Area Scan (41x71x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 18.2 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.8 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 30 W/kg

**SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.22 mW/g**

Maximum value of SAR (measured) = 15.9 mW/g

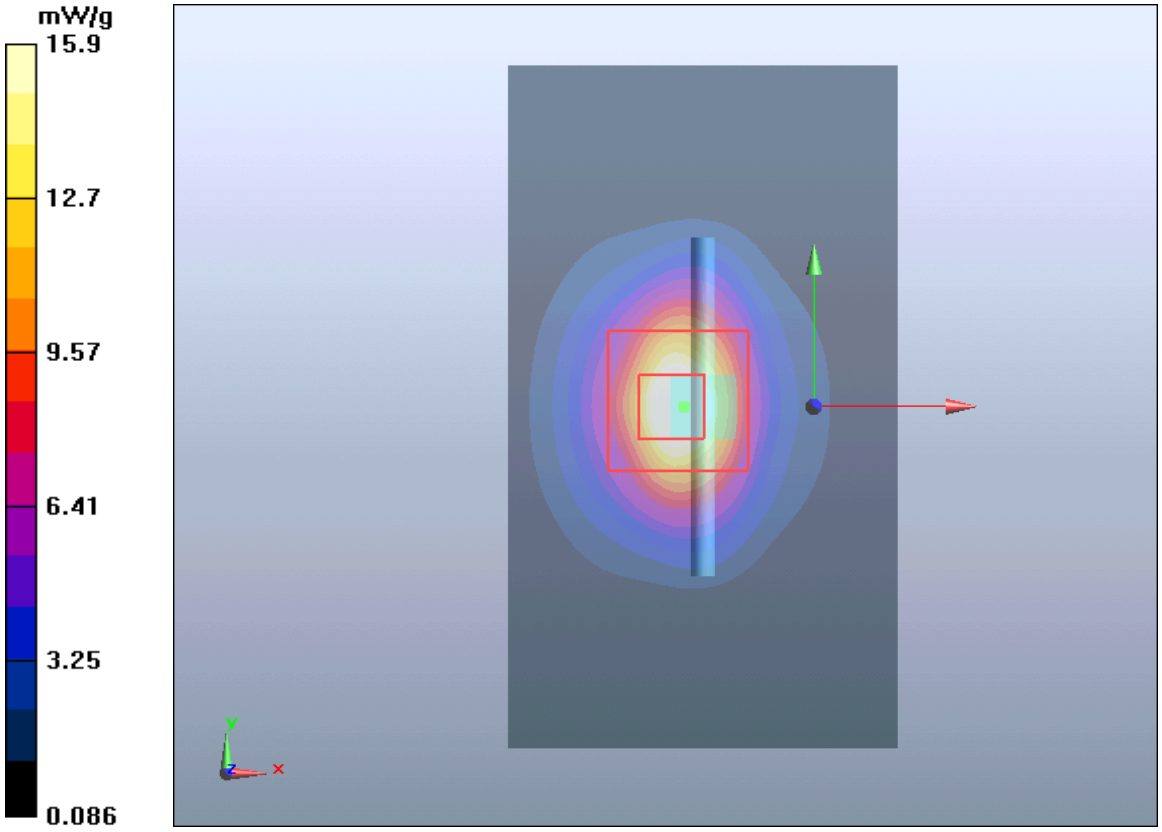



**Figure 10 System Performance Check 2450MHz 250mW**

## System Performance Check at 2450 MHz Body TSL

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 786**

Date/Time: 3/18/2014 22:30:37 PM

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 52.1; $\rho$ = 1000 kg/m$^3$

Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN3677; ConvF(7.61, 7.61, 7.61); Calibrated: 11/28/2013;

Electronics: DAE4 Sn1317; Calibrated: 1/16/2014

Phantom: ELI v4.0; Type: QDOVA001BB;

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**d=10mm, Pin=250mW/Area Scan (41x71x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 17.3 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 90.4 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 26.1 W/kg

**SAR(1 g) = 13.2 mW/g; SAR(10 g) = 6.27 mW/g**

Maximum value of SAR (measured) = 15 mW/g

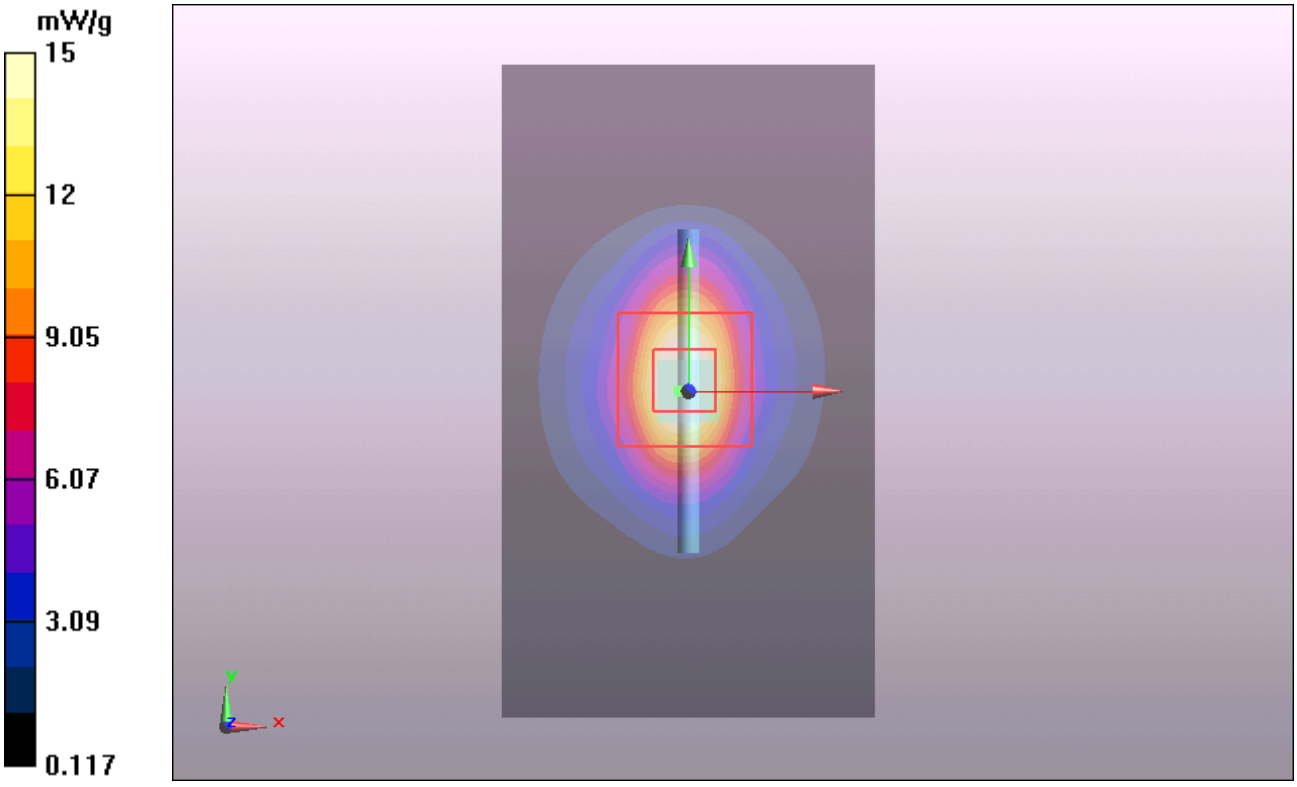



**Figure 11 System Performance Check 2450MHz 250mW**

# ANNEX C: Graph Results

## GSM 850 Left Cheek Middle

Date/Time: 3/15/2014 4:23:38 AM
Communication System: GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 837 MHz; $\sigma$ = 0.932 S/m; $\varepsilon_r$ = 41.357; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.41, 9.41, 9.41); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM1; Type: SAM; Serial: TP-1534
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek Middle /Area Scan (81x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.104 W/kg

**Left Cheek Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.300 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.160 W/kg
**SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.062 W/kg**
Maximum value of SAR (measured) = 0.106 W/kg

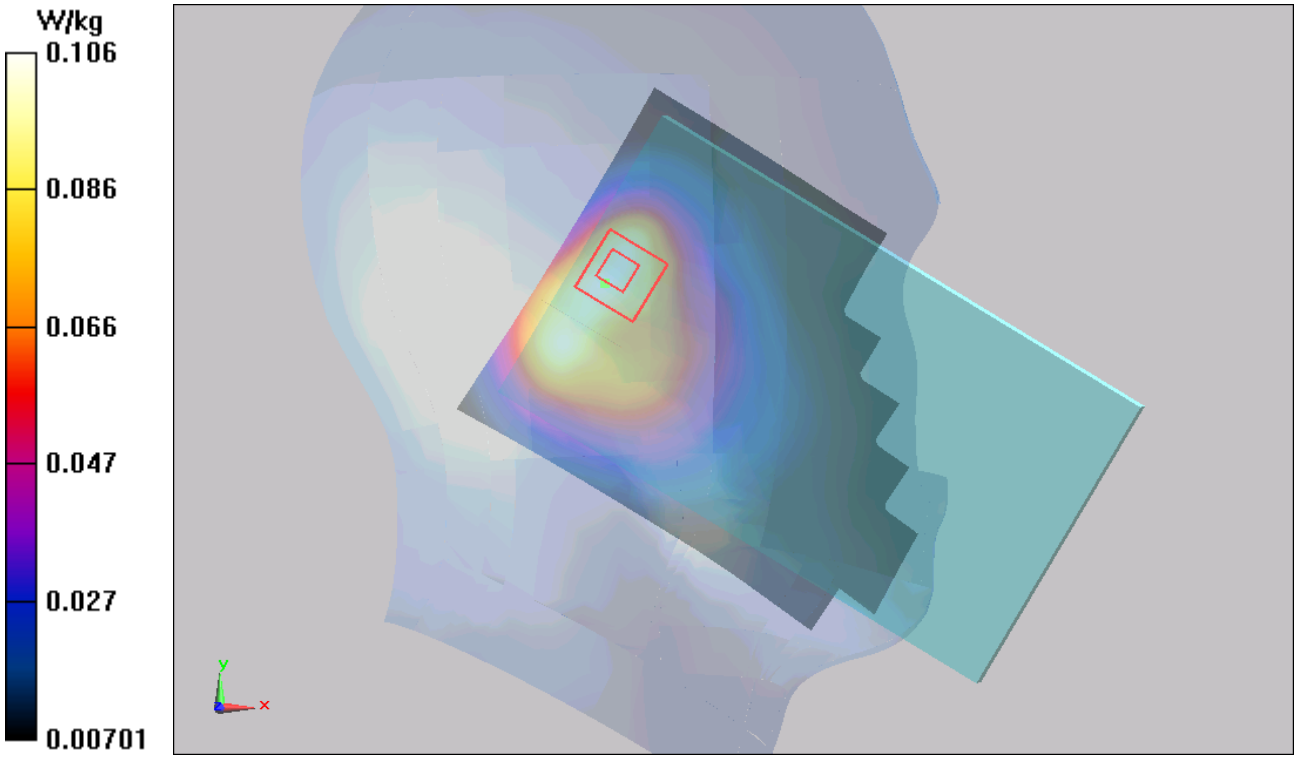



**Figure 12 Left Hand Touch Cheek GSM 850 Channel 190**

## GSM 850 Left Tilt Middle

Date/Time: 3/15/2014 4:40:18 AM
Communication System: GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 837 MHz; $\sigma$ = 0.932 S/m; $\varepsilon_r$ = 41.357; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.41, 9.41, 9.41); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM1; Type: SAM; Serial: TP-1534
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilt Middle /Area Scan (81x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.111 W/kg

**Left Tilt Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.821 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.151 W/kg
**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.066 W/kg**
Maximum value of SAR (measured) = 0.109 W/kg

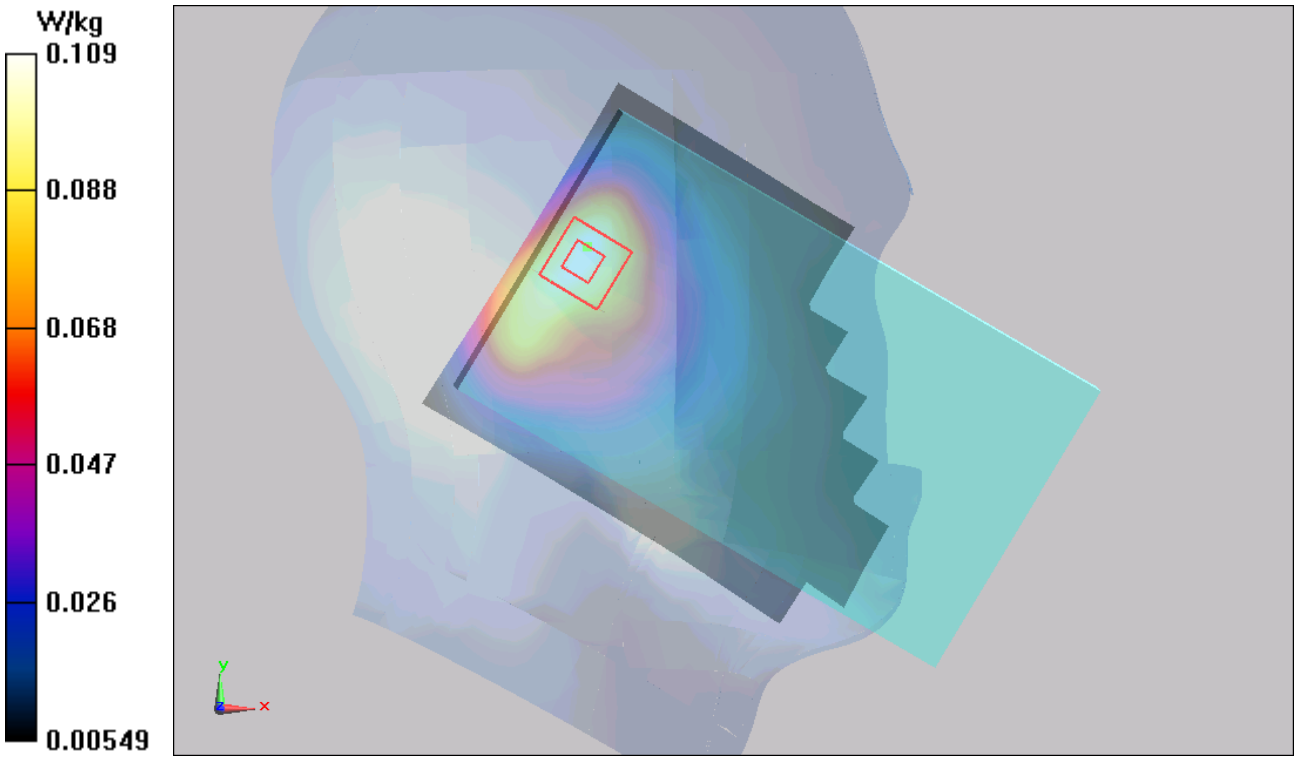


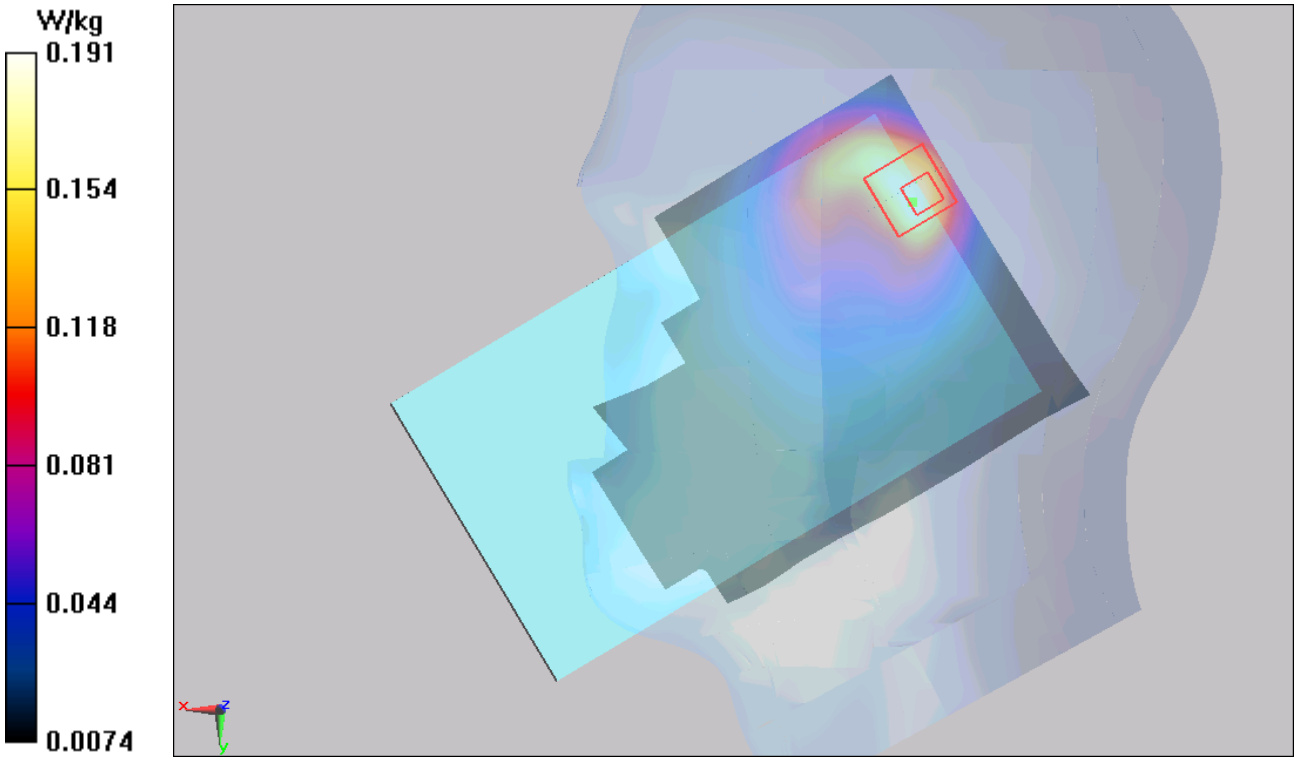

**Figure 13 Left Hand Tilt 15° GSM 850 Channel 190**

## GSM 850 Right Cheek Middle

Date/Time: 3/15/2014 4:59:30 AM
Communication System: GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 837 MHz; $\sigma$ = 0.932 S/m; $\varepsilon_r$ = 41.357; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.41, 9.41, 9.41); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM1; Type: SAM; Serial: TP-1534
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek Middle /Area Scan (81x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.181 W/kg

**Right Cheek Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.348 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.325 W/kg
**SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.091 W/kg**
Maximum value of SAR (measured) = 0.191 W/kg



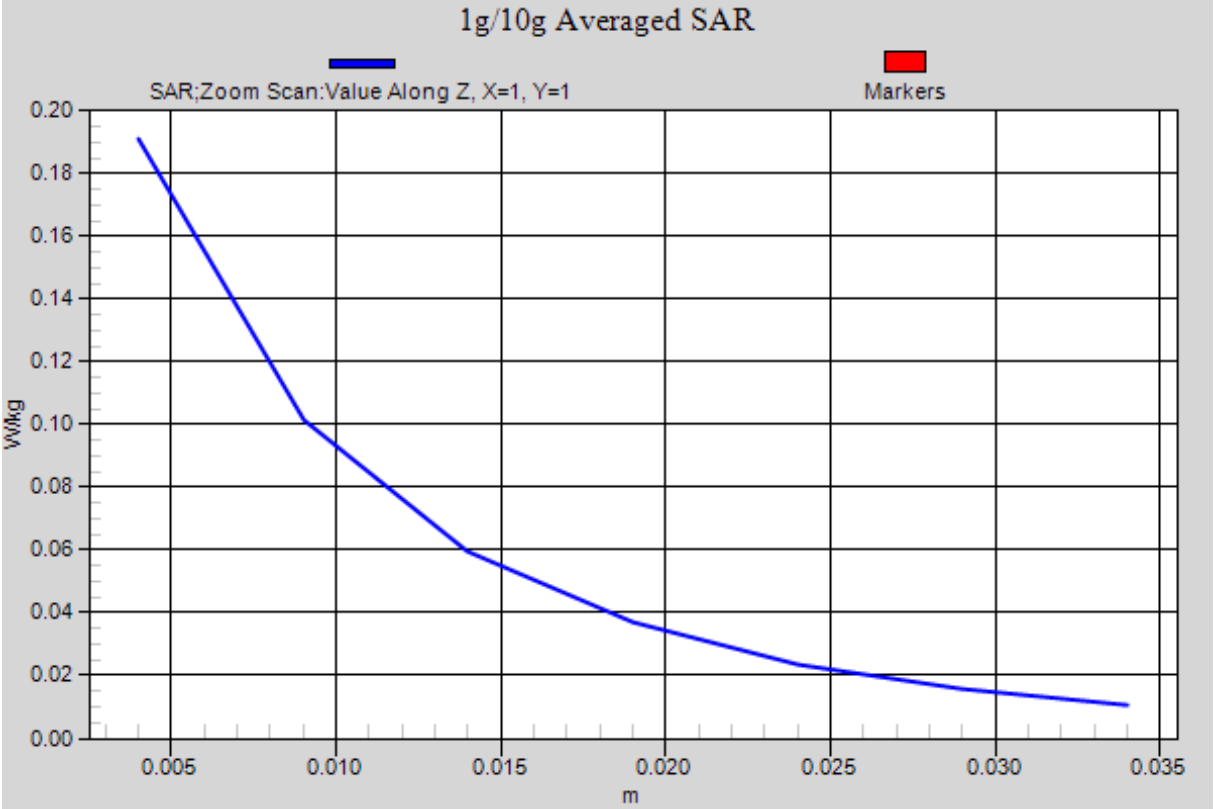



**Figure 14 Right Hand Touch Cheek GSM 850 Channel 190**

## GSM 850 Right Tilt Middle

Date/Time: 3/15/2014 5:15:54 AM
Communication System: GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 837 MHz; $\sigma$ = 0.932 S/m; $\varepsilon_r$ = 41.357; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.41, 9.41, 9.41); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM1; Type: SAM; Serial: TP-1534
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilt Middle /Area Scan (81x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.152 W/kg

**Right Tilt Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.457 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.277 W/kg
**SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.079 W/kg**
Maximum value of SAR (measured) = 0.172 W/kg

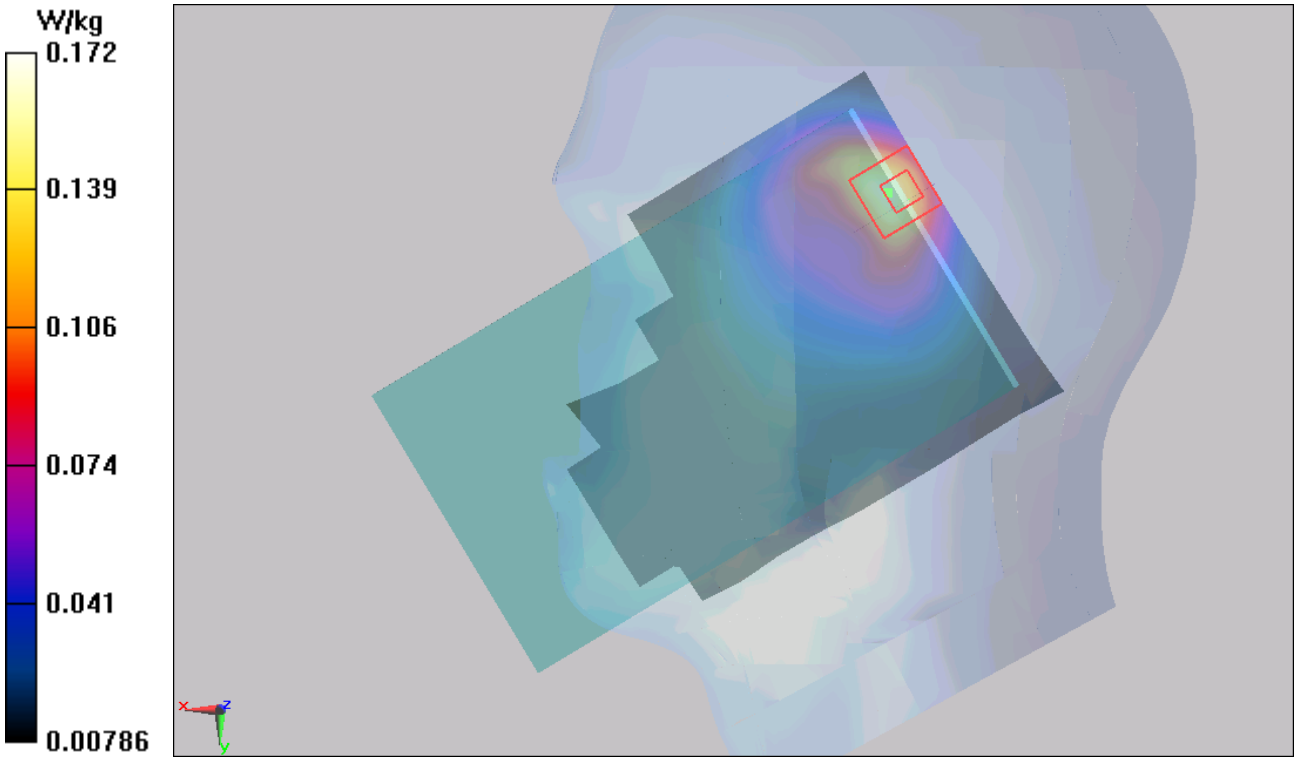


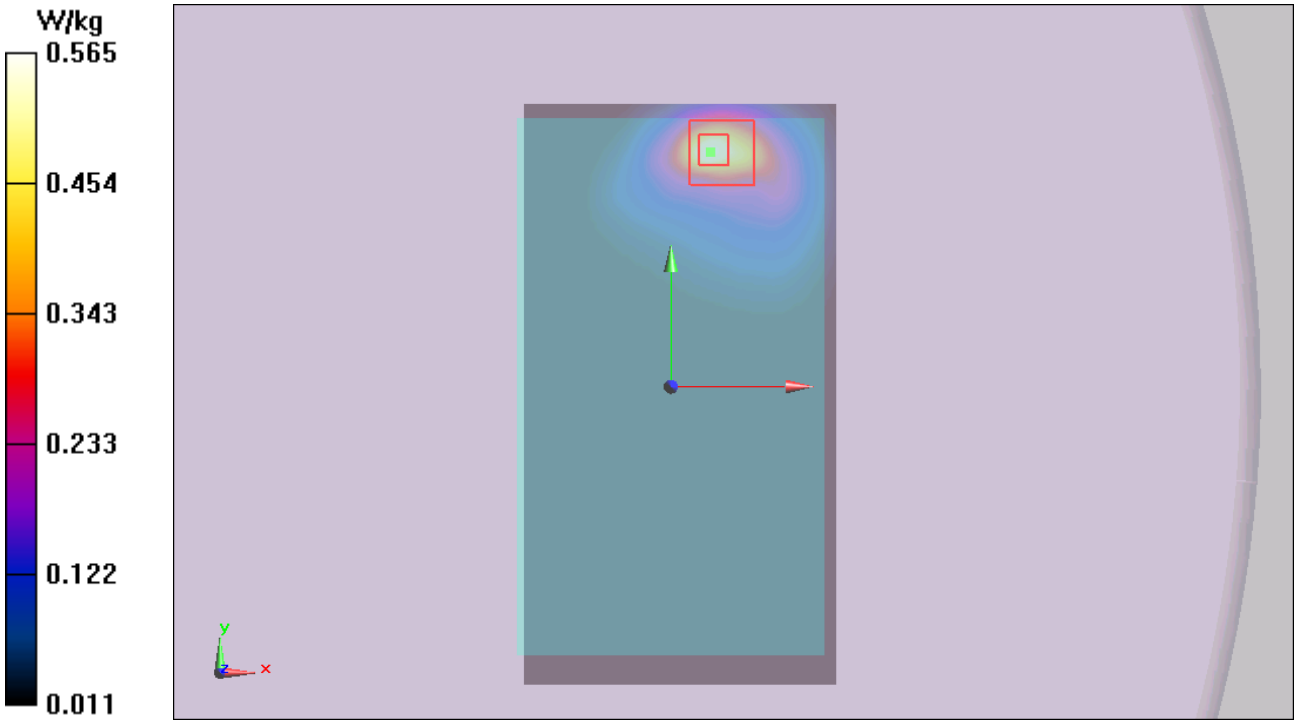

**Figure 15 Right Hand Tilt 15° GSM 850 Channel 190**

## GSM 850 GPRS (2TXslots) with Test Position 1 Middle

Date/Time: 3/14/2014 7:05:19 PM
Communication System: GPRS 2TX (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 837 MHz; $\sigma$ = 0.992 S/m; $\varepsilon_r$ = 55.882; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.51, 9.51, 9.51); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 1 Middle /Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.566 W/kg

**Test Position 1 Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.114 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 1.19 W/kg
**SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.215 W/kg**
Maximum value of SAR (measured) = 0.565 W/kg



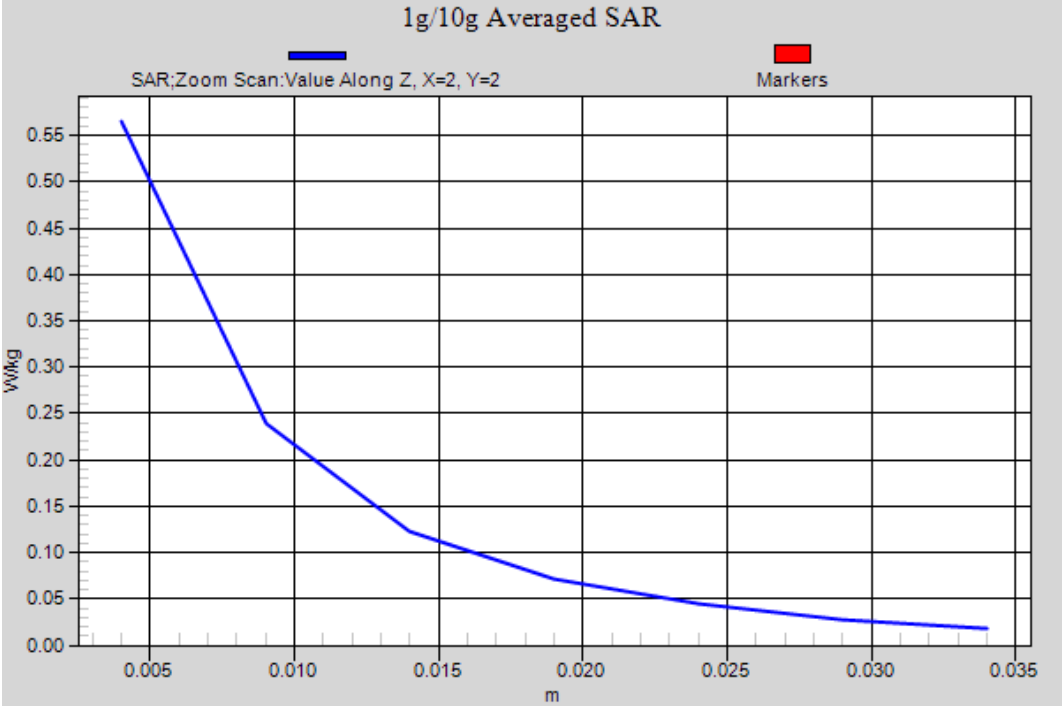



**Figure 16 GSM 850 GPRS (2TXslots) with Test Position 1 Channel 190**

### GSM 850 GPRS (2TXslots) with Test Position 3 Middle

Date/Time: 3/14/2014 8:27:37 PM
Communication System: GPRS 2TX (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 837 MHz; $\sigma$ = 0.992 S/m; $\varepsilon_r$ = 55.882; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.51, 9.51, 9.51); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 3 Middle /Area Scan (31x91x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.348 W/kg

**Test Position 3 Middle /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.235 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.806 W/kg
**SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.199 W/kg**
Maximum value of SAR (measured) = 0.502 W/kg

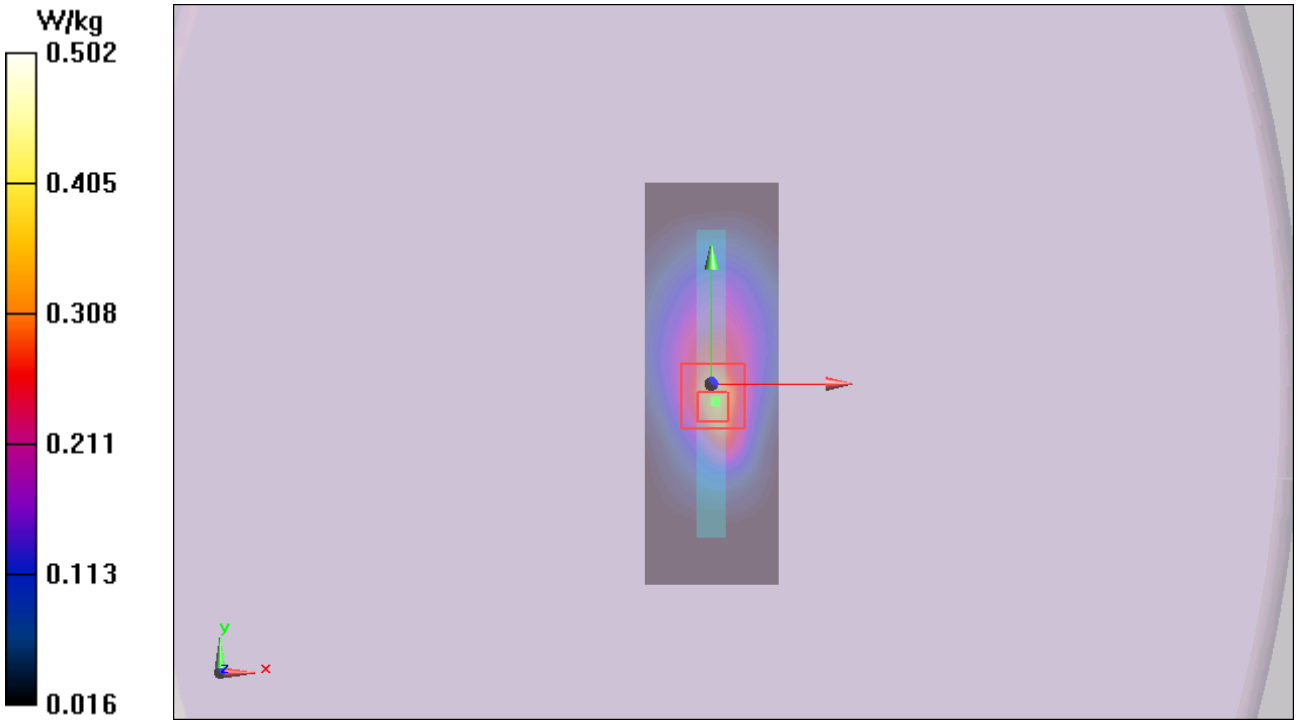



**Figure 17 GSM 850 GPRS (2TXslots) with Test Position 3 Channel 190**

### GSM 850 GPRS (2TXslots) with Test Position 4 Middle

Date/Time: 3/21/2014 3:12:49 PM
Communication System: GPRS 2TX (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 837 MHz; $\sigma$ = 0.992 S/m; $\varepsilon_r$ = 55.882; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.51, 9.51, 9.51); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM1; Type: SAM; Serial: TP-1534
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 4 Middle /Area Scan (31x41x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0228 W/kg

**Test Position 4 Middle /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.628 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.0340 W/kg
**SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.011 W/kg**
Maximum value of SAR (measured) = 0.0233 W/kg

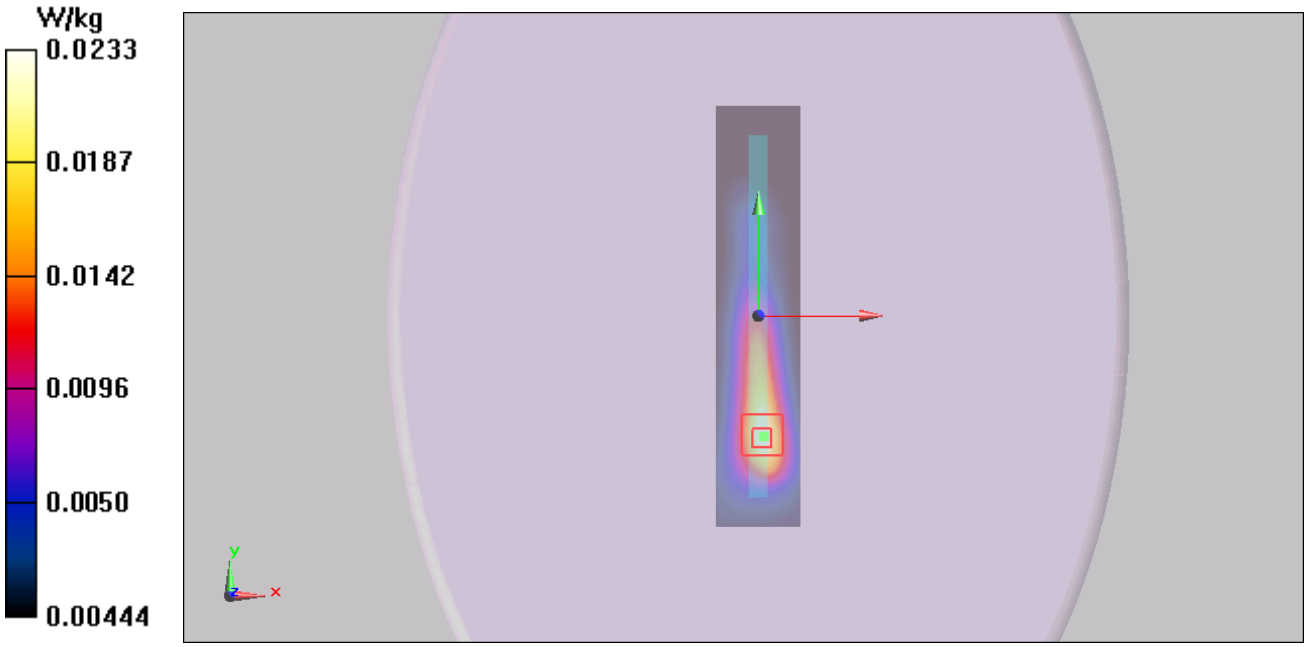



**Figure 18 GSM 850 GPRS (2TXslots) with Test Position 4 Channel 190**

### GSM 850 GPRS (2TXslots) with Test Position 5 Middle

Date/Time: 3/14/2014 7:45:34 PM
Communication System: GPRS 2TX (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 837 MHz; $\sigma$ = 0.992 S/m; $\varepsilon_r$ = 55.882; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.51, 9.51, 9.51); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 5 Middle /Area Scan (31x131x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0716 W/kg

**Test Position 5 Middle /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.676 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.150 W/kg
**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.037 W/kg**
Maximum value of SAR (measured) = 0.0837 W/kg

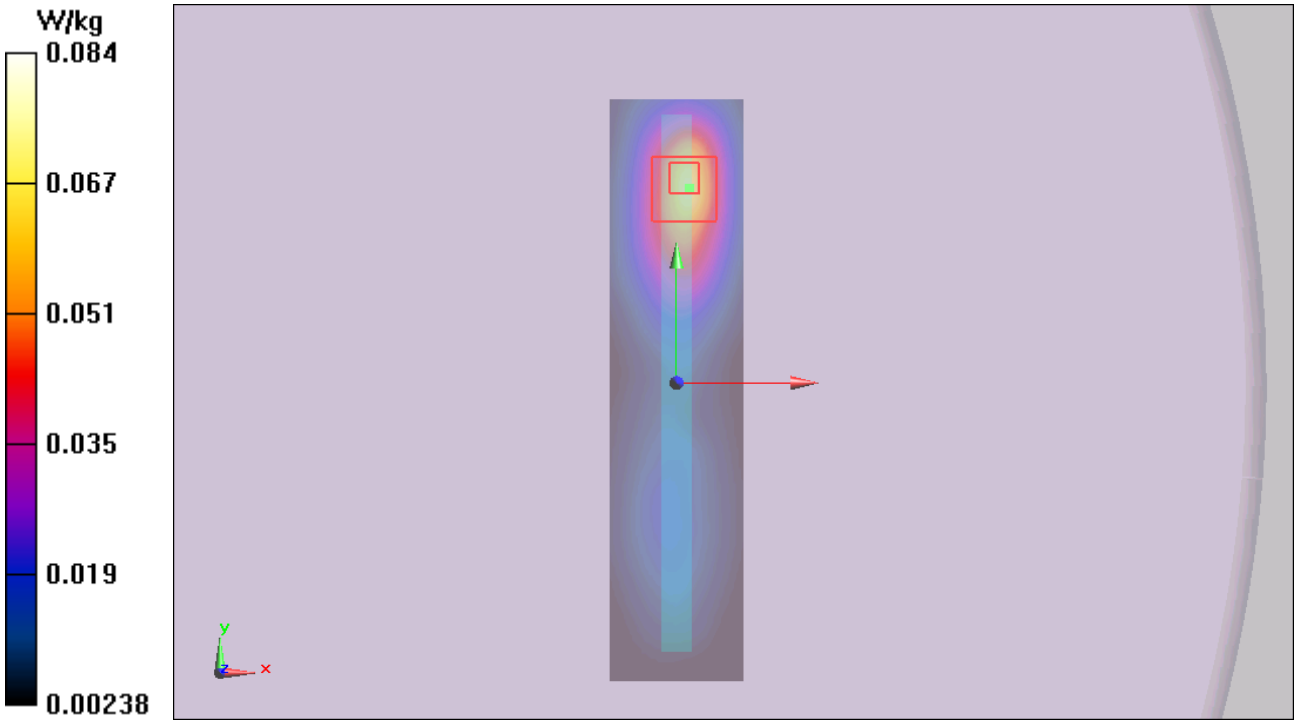



**Figure 19 GSM 850 GPRS (2TXslots) with Test Position 5 Channel 190**

### GSM 850 EGPRS (2TXslots) with Test Position 1 Middle

Date/Time: 3/14/2014 7:27:38 PM
Communication System: EGPRS 2TX (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 837 MHz; $\sigma$ = 0.992 S/m; $\varepsilon_r$ = 55.882; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(9.51, 9.51, 9.51); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 1 Middle /Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.489 W/kg

**Test Position 1 Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.267 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.994 W/kg
**SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.193 W/kg**
Maximum value of SAR (measured) = 0.479 W/kg

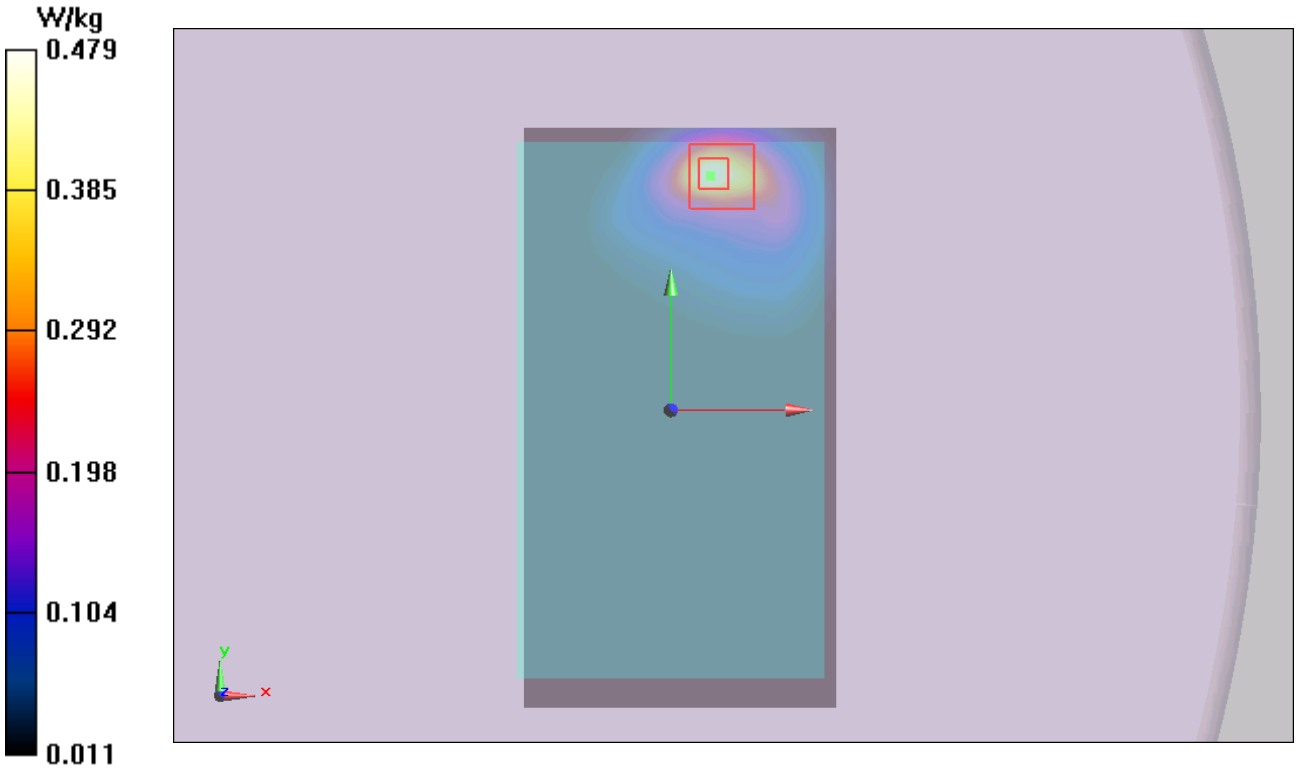



**Figure 20 GSM 850 EGPRS (2TXslots) with Test Position 1 Channel 190**

## GSM 1900 Left Cheek Middle

Date/Time: 3/18/2014 2:09:30 AM
Communication System: GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.413 S/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek Middle /Area Scan (101x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.373 W/kg

**Left Cheek Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.065 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.526 W/kg
**SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.173 W/kg**
Maximum value of SAR (measured) = 0.331 W/kg

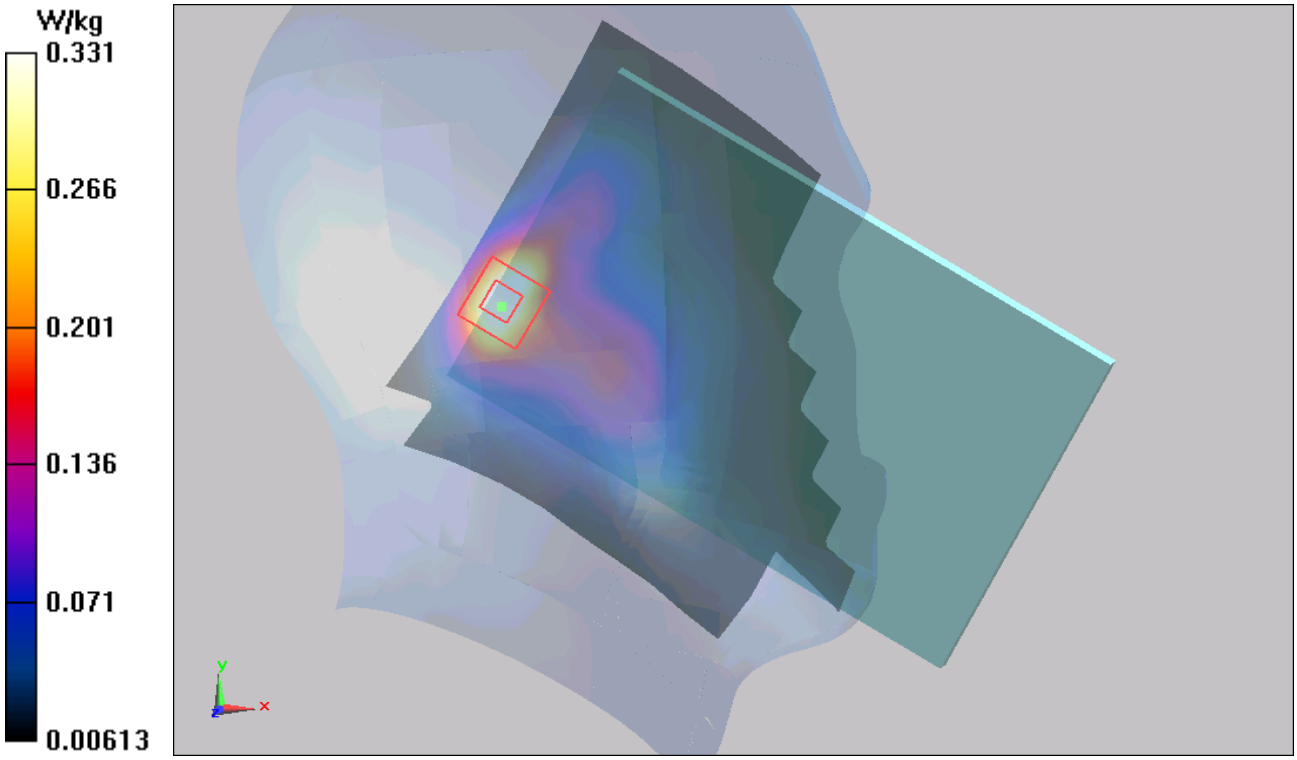



**Figure 21 Left Hand Touch Cheek GSM 1900 Channel 661**

## GSM 1900 Left Tilt Middle

Date/Time: 3/18/2014 3:01:58 AM
Communication System: GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.413 S/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilt Middle /Area Scan (101x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.284 W/kg

**Left Tilt Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.838 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.423 W/kg
**SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.135 W/kg**
Maximum value of SAR (measured) = 0.251 W/kg

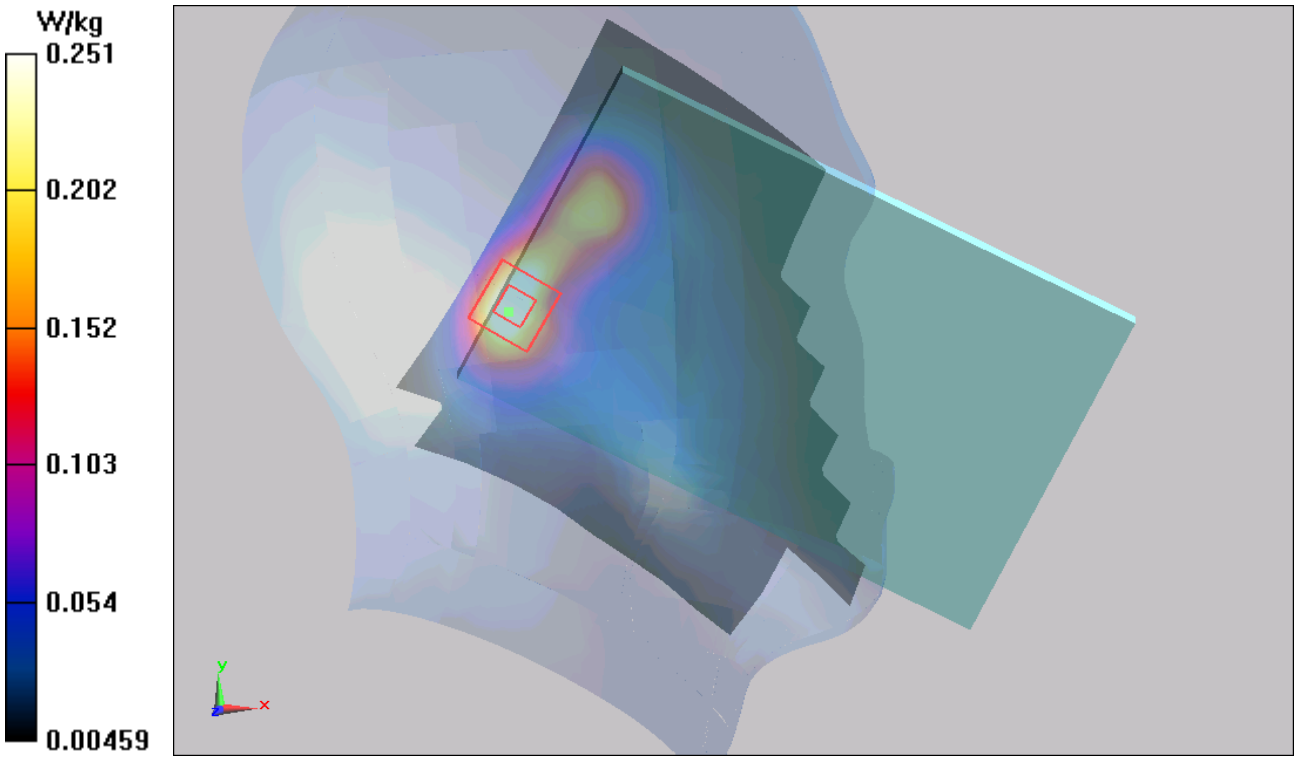


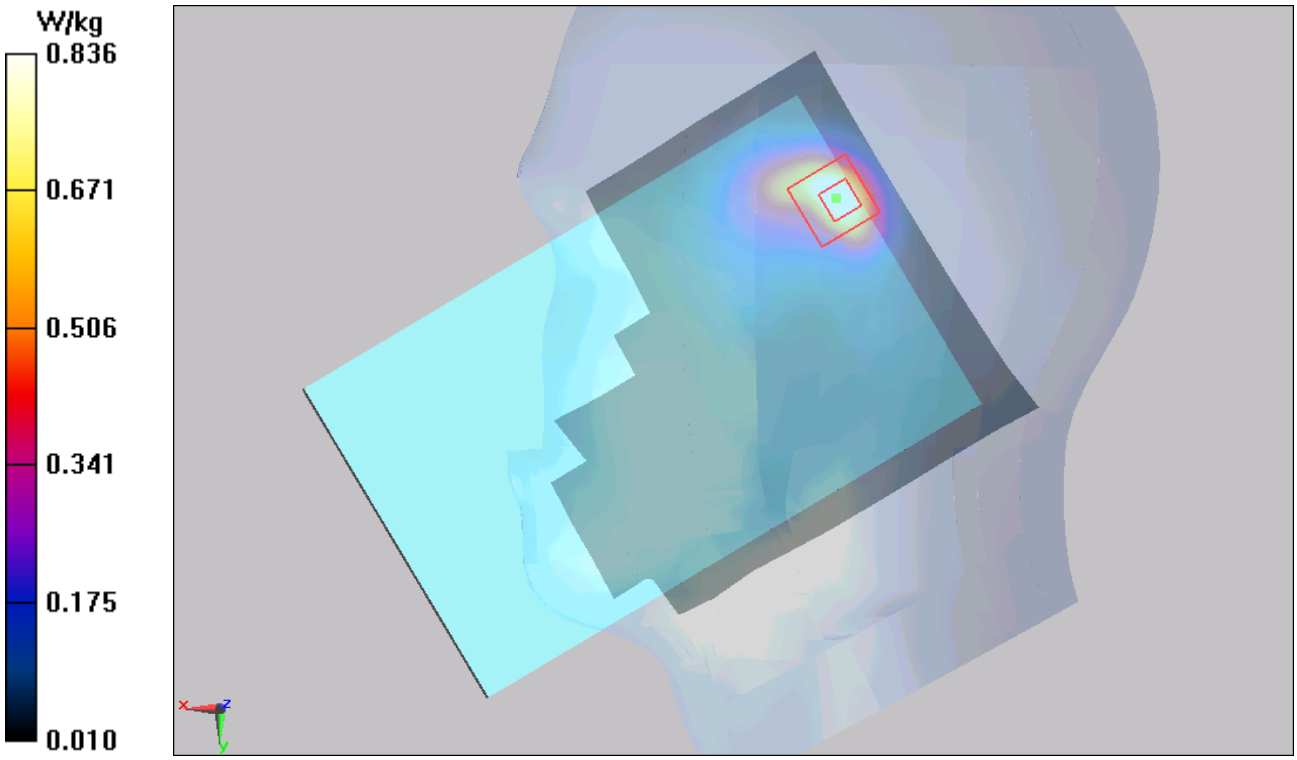

**Figure 22 Left Hand Tilt 15° GSM 1900 Channel 661**

## GSM 1900 Right Cheek High

Date/Time: 3/18/2014 6:14:33 AM
Communication System: GSM (0); Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.44 S/m; $\varepsilon_r$ = 39.607; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek High /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.02 W/kg

**Right Cheek High /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.176 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.56 W/kg
**SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.396 W/kg**
Maximum value of SAR (measured) = 0.836 W/kg



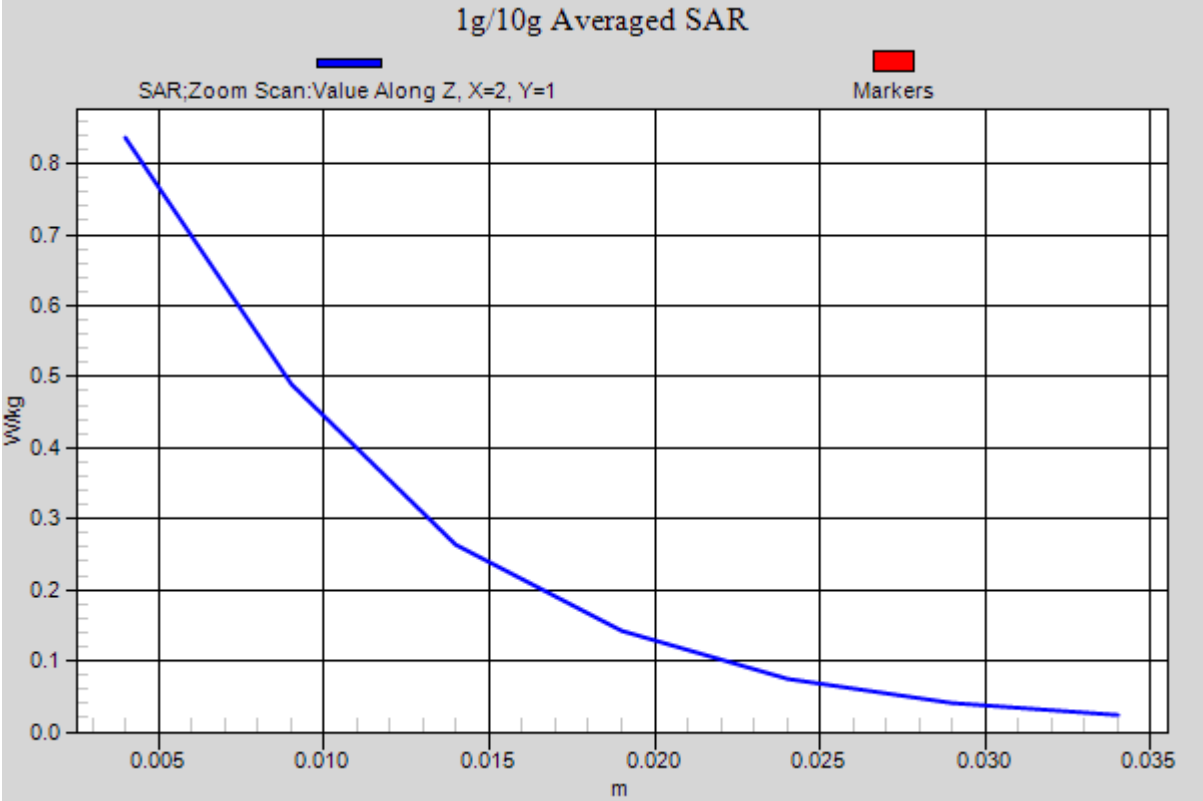



**Figure 23 Right Hand Touch Cheek GSM 1900 Channel 810**

## GSM 1900 Right Cheek Middle

Date/Time: 3/18/2014 3:41:58 AM
Communication System: GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.413 S/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek Middle /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

**Right Cheek Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.261 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.55 W/kg
**SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.399 W/kg**
Maximum value of SAR (measured) = 0.858 W/kg

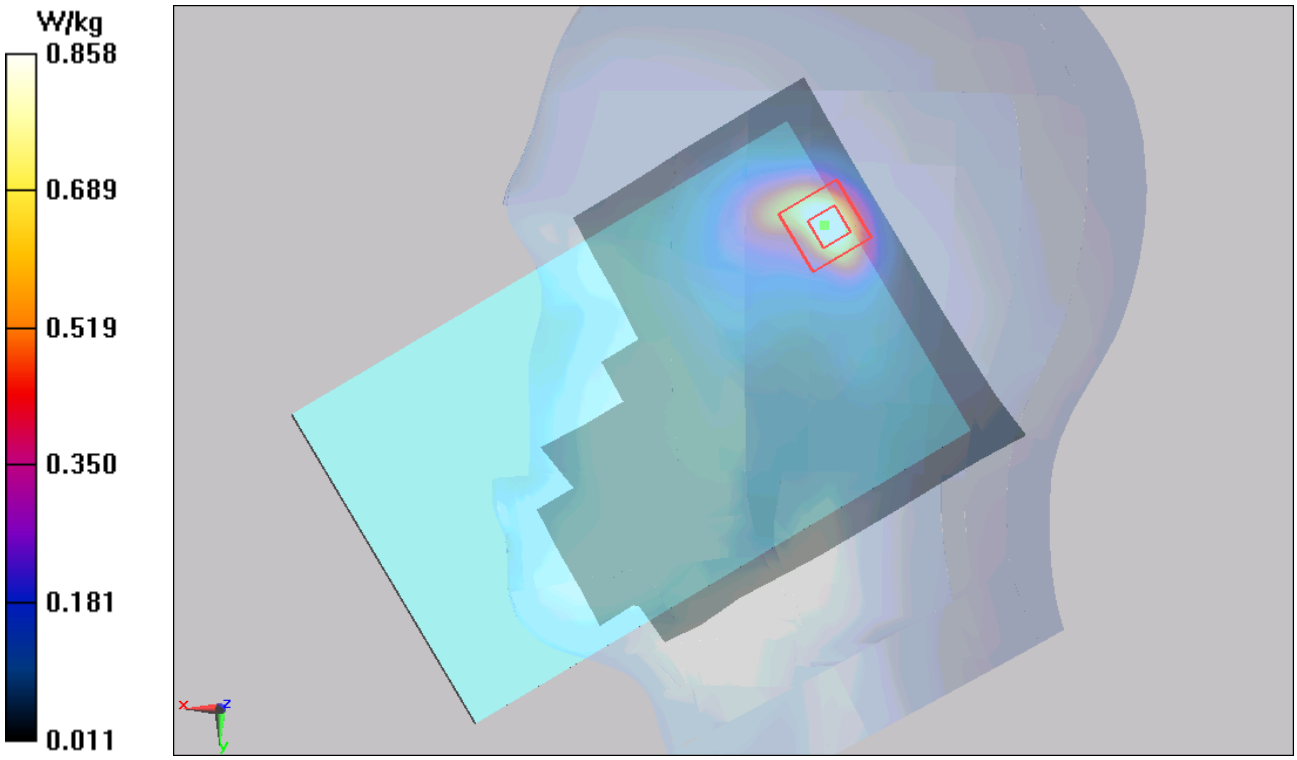



**Figure 24 Right Hand Touch Cheek GSM 1900 Channel 661**

## GSM 1900 Right Cheek Low

Date/Time: 3/18/2014 5:57:11 AM
Communication System: GSM (0); Frequency: 1850.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 1850.2 MHz; $\sigma$ = 1.386 S/m; $\varepsilon_r$ = 39.813; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek Low /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.980 W/kg

**Right Cheek Low /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.173 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.41 W/kg
**SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.380 W/kg**
Maximum value of SAR (measured) = 0.793 W/kg

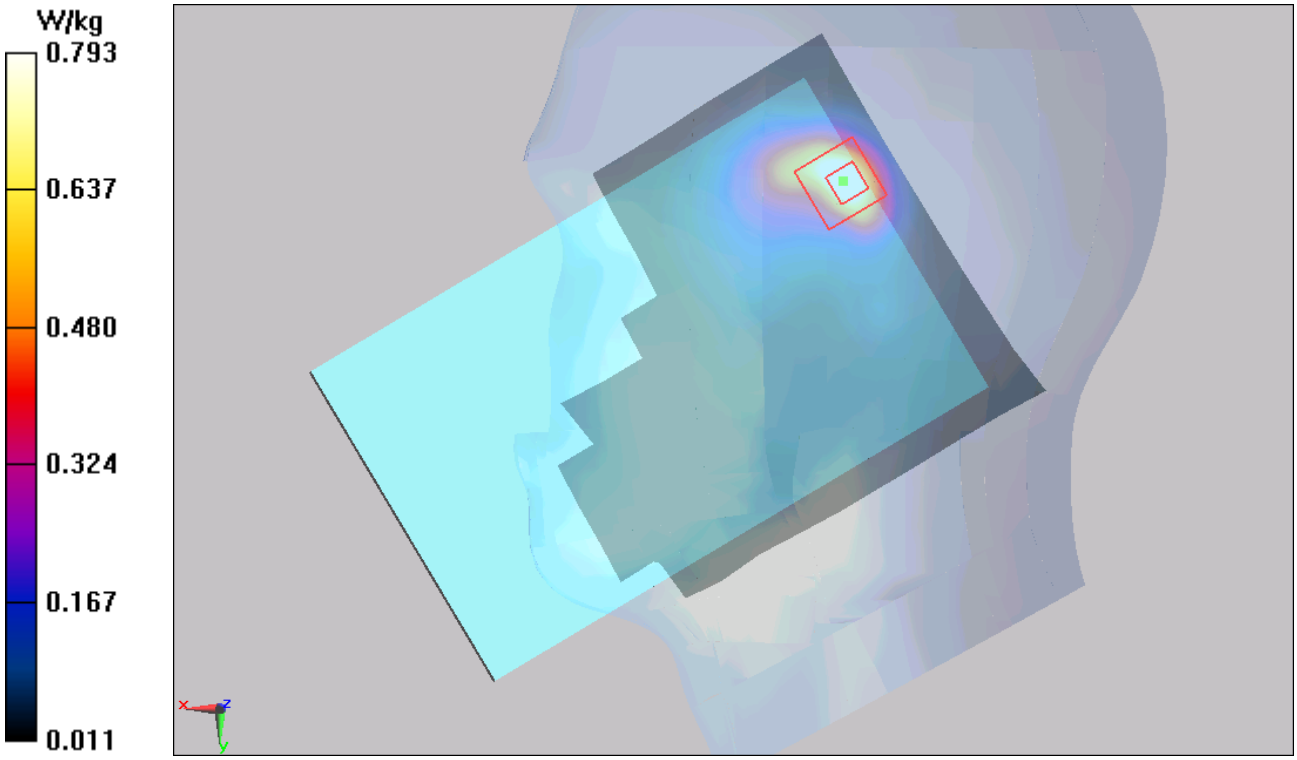



**Figure 25 Right Hand Touch Cheek GSM 1900 Channel 512**

## GSM 1900 Right Tilt High

Date/Time: 3/18/2014 5:22:17 AM
Communication System: GSM (0); Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.44 S/m; $\varepsilon_r$ = 39.607; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilt High /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.859 W/kg

**Right Tilt High /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.530 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.34 W/kg
**SAR(1 g) = 0.716 W/kg; SAR(10 g) = 0.330 W/kg**
Maximum value of SAR (measured) = 0.751 W/kg

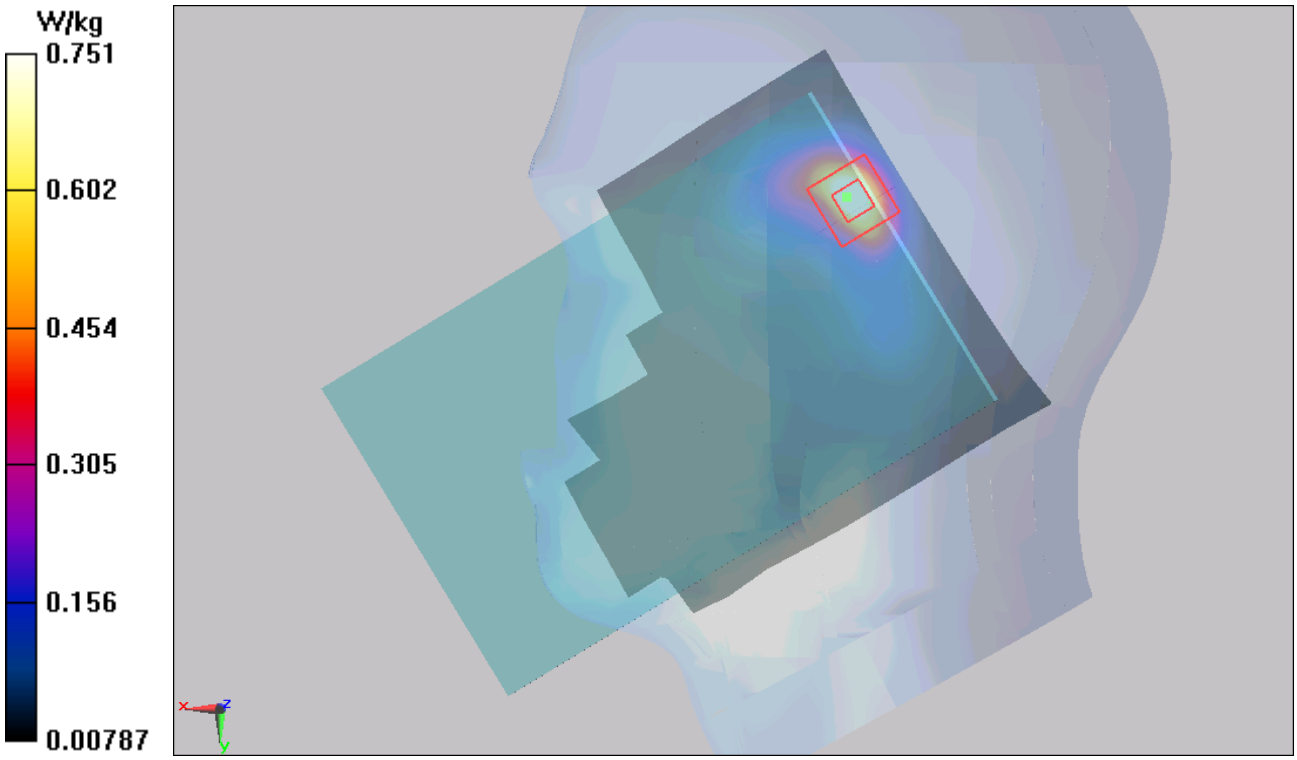



**Figure 26 Right Hand Tilt 15° GSM 1900 Channel 810**

## GSM 1900 Right Tilt Middle

Date/Time: 3/18/2014 4:00:03 AM
Communication System: GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.413 S/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilt Middle /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.838 W/kg

**Right Tilt Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.504 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.29 W/kg
**SAR(1 g) = 0.697 W/kg; SAR(10 g) = 0.324 W/kg**
Maximum value of SAR (measured) = 0.741 W/kg

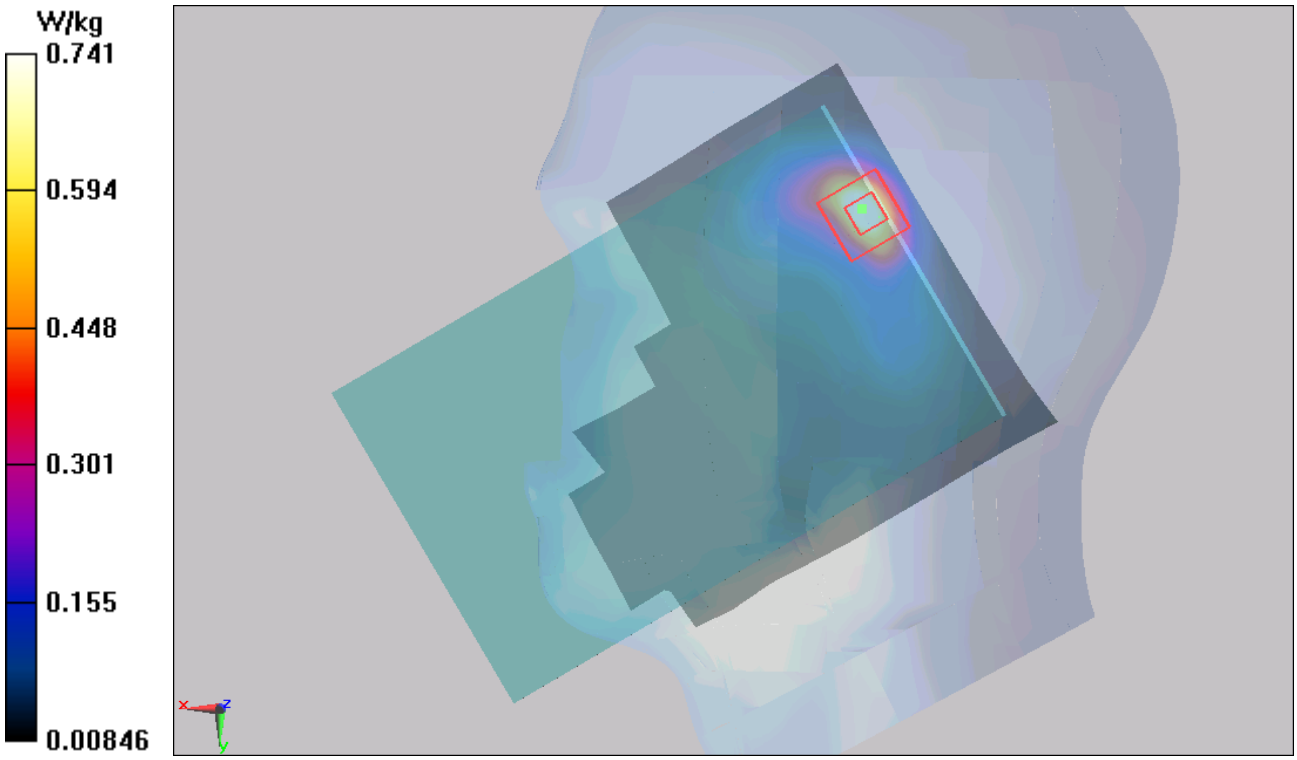



**Figure 27 Right Hand Tilt 15° GSM 1900 Channel 661**

## GSM 1900 Right Tilt Low

Date/Time: 3/18/2014 5:39:14 AM
Communication System: GSM (0); Frequency: 1850.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 1850.2 MHz; $\sigma$ = 1.386 S/m; $\varepsilon_r$ = 39.813; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Tilt Low /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.800 W/kg

**Right Tilt Low /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.647 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.23 W/kg
**SAR(1 g) = 0.668 W/kg; SAR(10 g) = 0.314 W/kg**
Maximum value of SAR (measured) = 0.710 W/kg

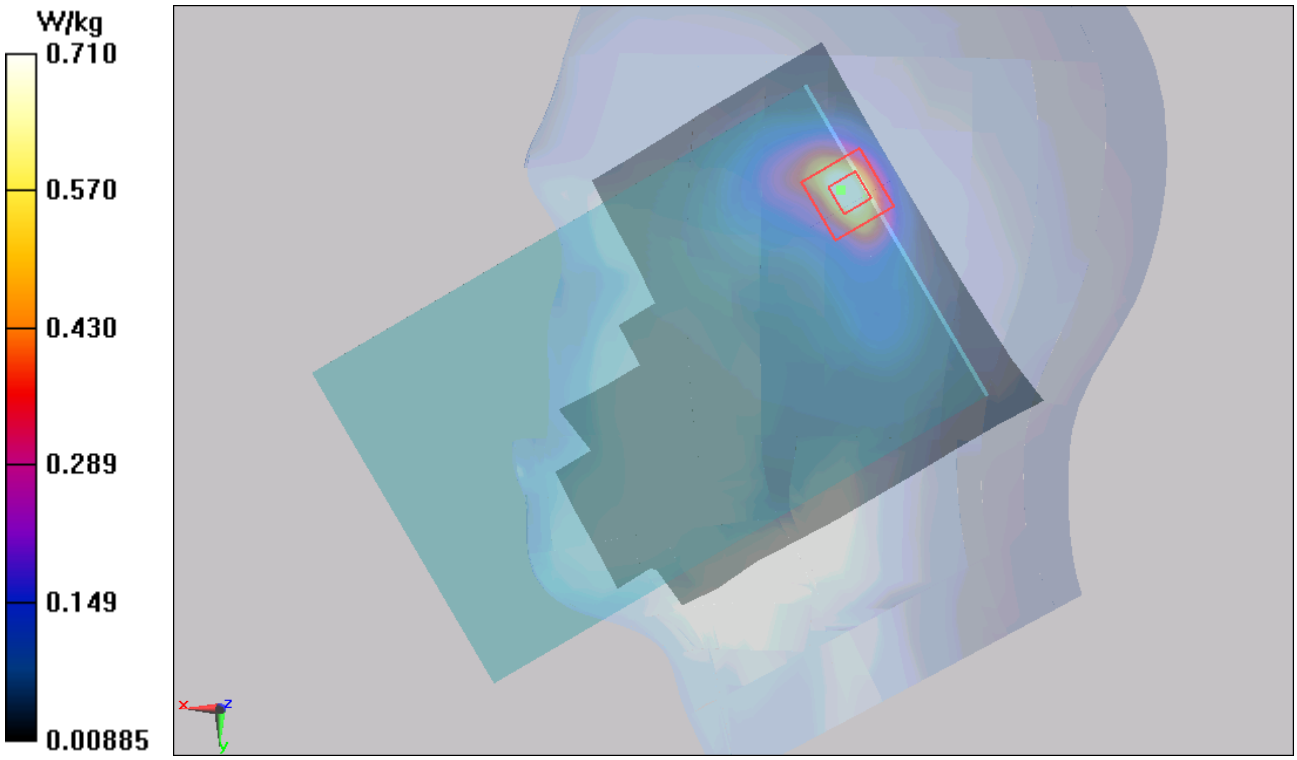



**Figure 28 Right Hand Tilt 15° GSM 1900 Channel 512**

## GSM 1900 GPRS (2TXslots) with Test Position 1 High

Date/Time: 3/17/2014 4:09:54 PM
Communication System: GPRS 2TX (0); Frequency: 1909.8 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.531 S/m; $\varepsilon_r$ = 52.629; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 1 High /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.51 W/kg

**Test Position 1 High /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.608 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 2.81 W/kg
**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.536 W/kg**
Maximum value of SAR (measured) = 1.42 W/kg

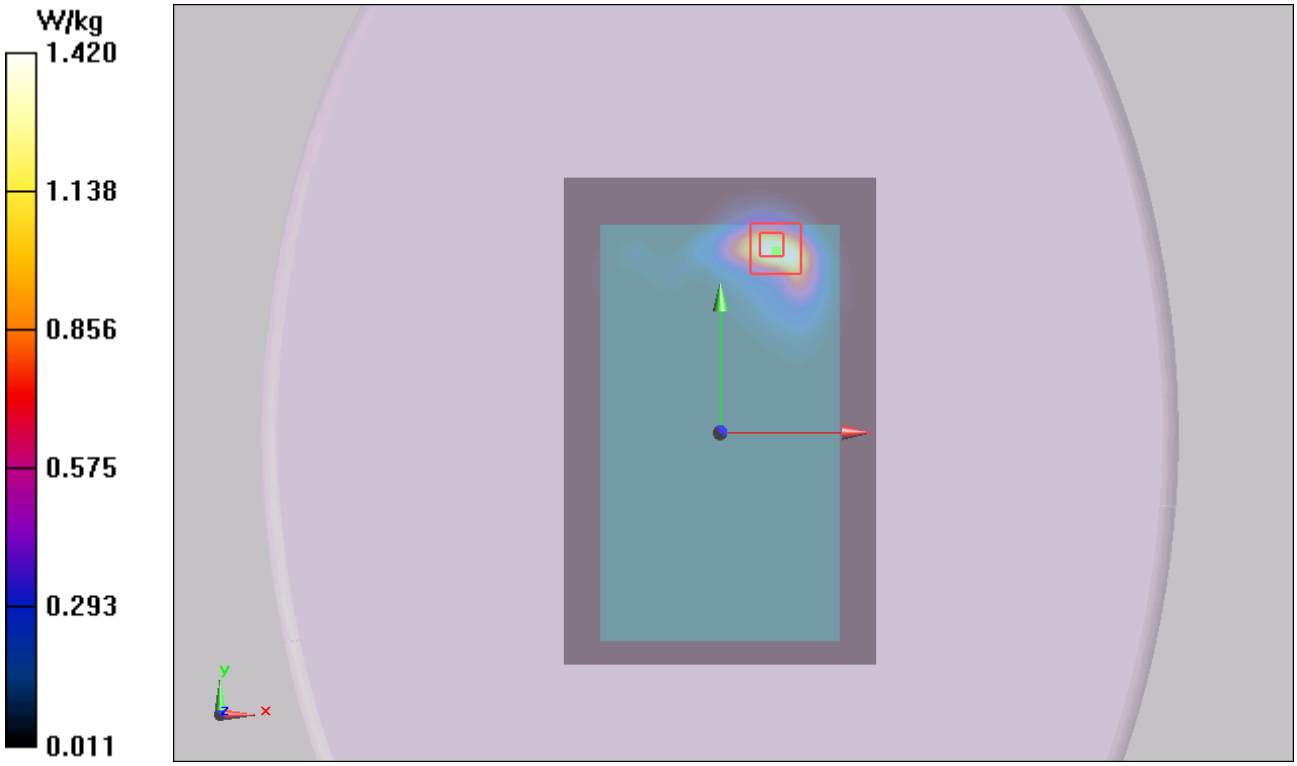


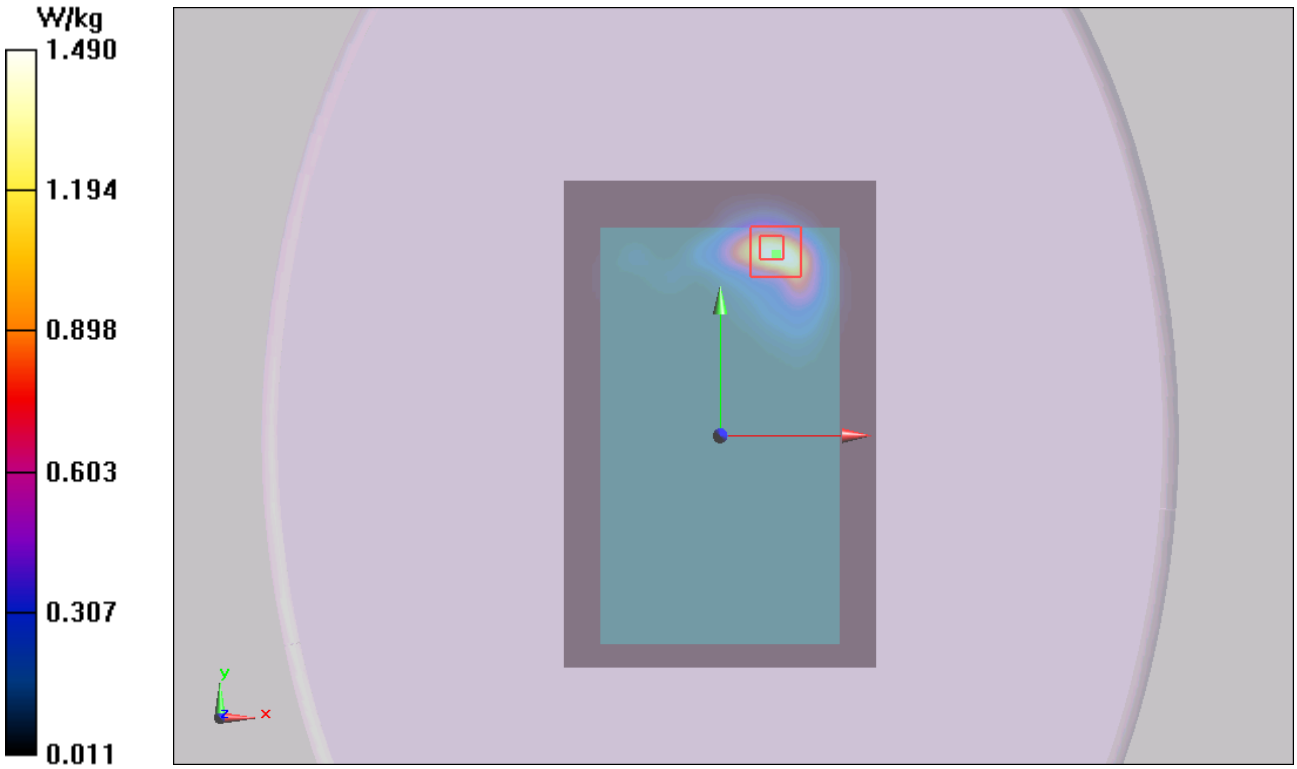

**Figure 29 GSM 1900 GPRS (2TXslots) with Test Position 1 Channel 810**

### GSM 1900 GPRS (2TXslots) with Test Position 1 Middle

Date/Time: 3/17/2014 3:51:21 PM
Communication System: GPRS 2TX (0); Frequency: 1880 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.493 S/m; $\varepsilon_r$ = 52.676; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 1 Middle /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.56 W/kg

**Test Position 1 Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.249 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 2.99 W/kg
**SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.556 W/kg**
Maximum value of SAR (measured) = 1.49 W/kg



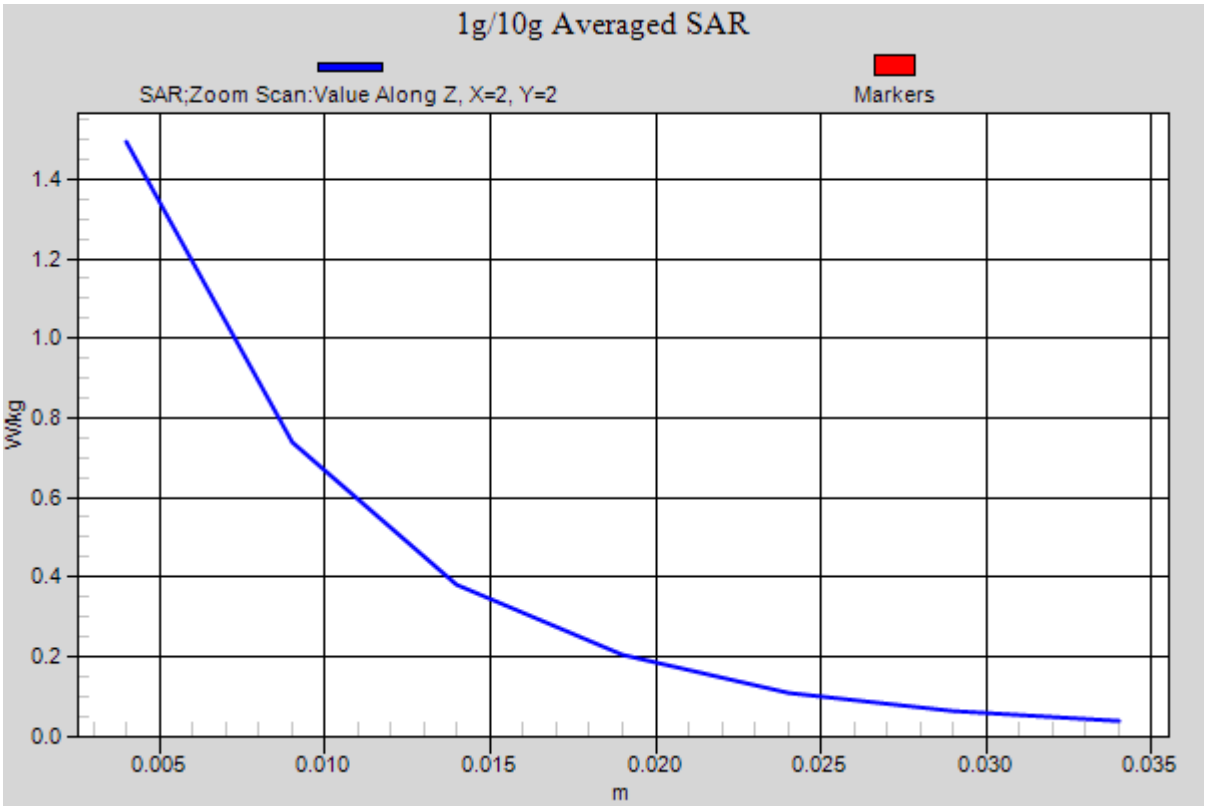



**Figure 30 GSM 1900 GPRS (2TXslots) with Test Position 1 Channel 661**

### GSM 1900 GPRS (2TXslots) with Test Position 1 Low

Date/Time: 3/17/2014 4:37:07 PM
Communication System: GPRS 2TX (0); Frequency: 1850.2 MHz;Duty Cycle: 1:4.14954
Medium parameters used (interpolated): f = 1850.2 MHz; $\sigma$ = 1.462 S/m; $\varepsilon_r$ = 52.753; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 1 Low /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.50 W/kg

**Test Position 1 Low /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.307 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 2.75 W/kg
**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.529 W/kg**
Maximum value of SAR (measured) = 1.37 W/kg

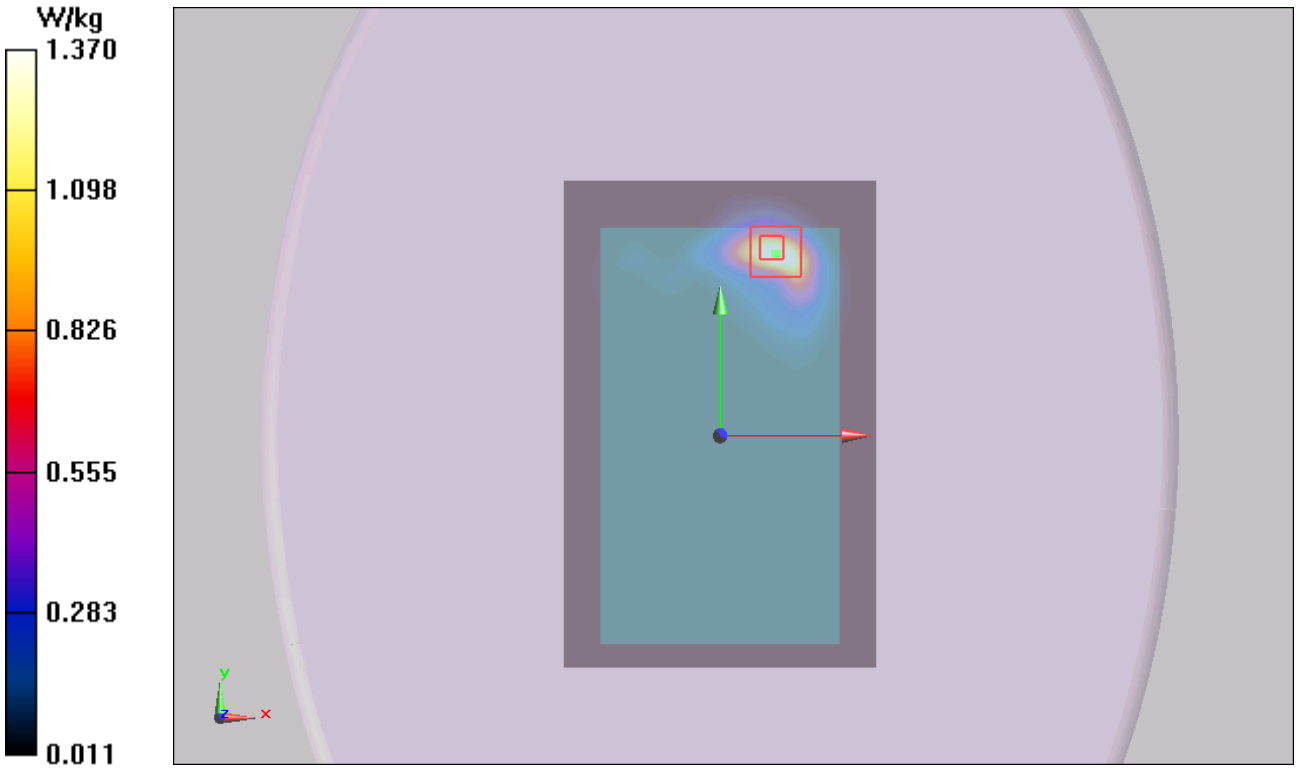



**Figure 31 GSM 1900 GPRS (2TXslots) with Test Position 1 Channel 512**

## GSM 1900 GPRS (2TXslots) with Test Position 3 High

Date/Time: 3/17/2014 7:33:46 PM
Communication System: GPRS 2TX (0); Frequency: 1909.8 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.531 S/m; $\varepsilon_r$ = 52.629; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 3 High /Area Scan (31x91x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

**Test Position 3 High /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.003 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.99 W/kg
**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.461 W/kg**
Maximum value of SAR (measured) = 1.17 W/kg

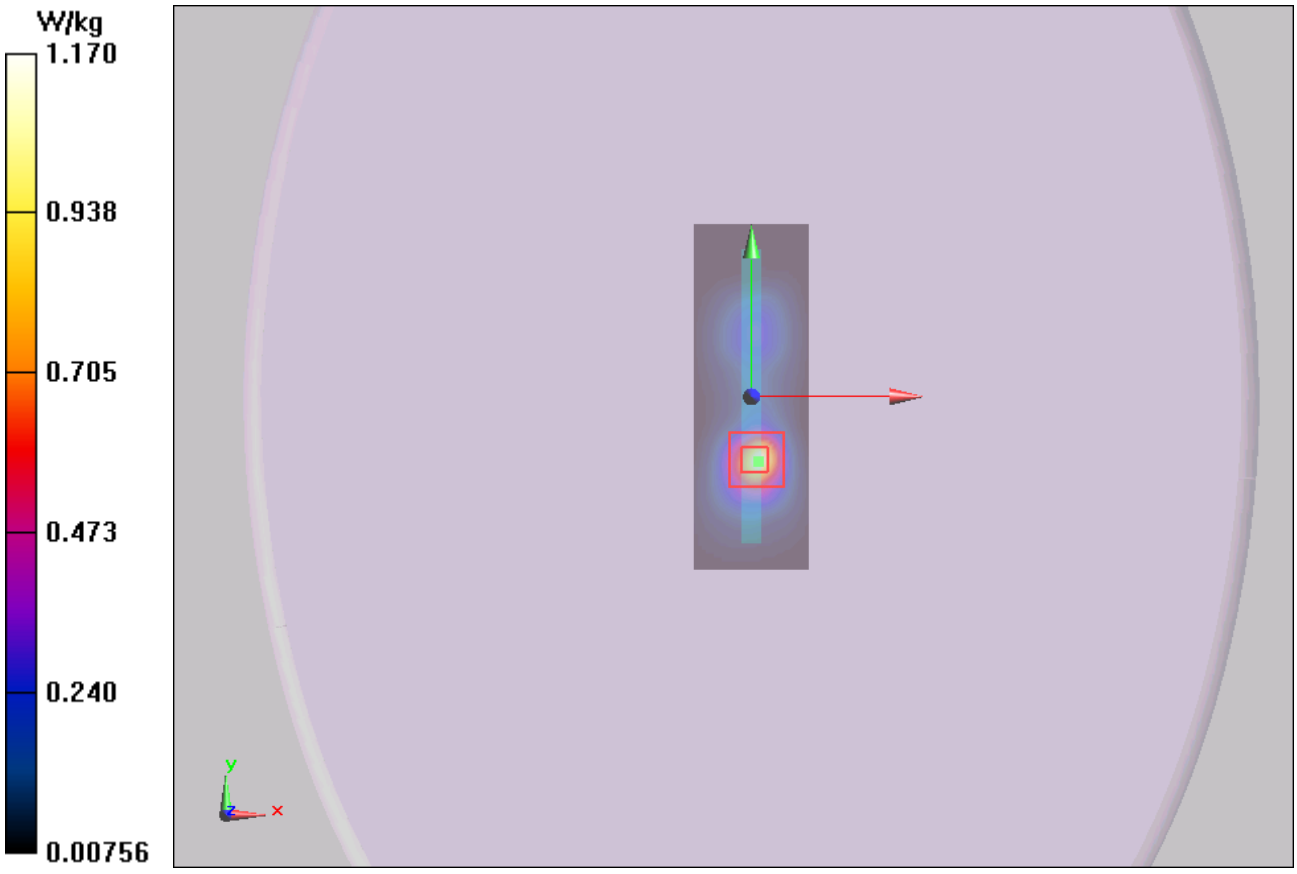



**Figure 32 GSM 1900 GPRS (2TXslots) with Test Position 3 Channel 810**

## GSM 1900 GPRS (2TXslots) with Test Position 3 Middle

Date/Time: 3/17/2014 7:15:57 PM
Communication System: GPRS 2TX (0); Frequency: 1880 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.493 S/m; $\varepsilon_r$ = 52.676; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 3 Middle /Area Scan (31x91x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

**Test Position 3 Middle /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.725 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.95 W/kg
**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.461 W/kg**
Maximum value of SAR (measured) = 0.981 W/kg

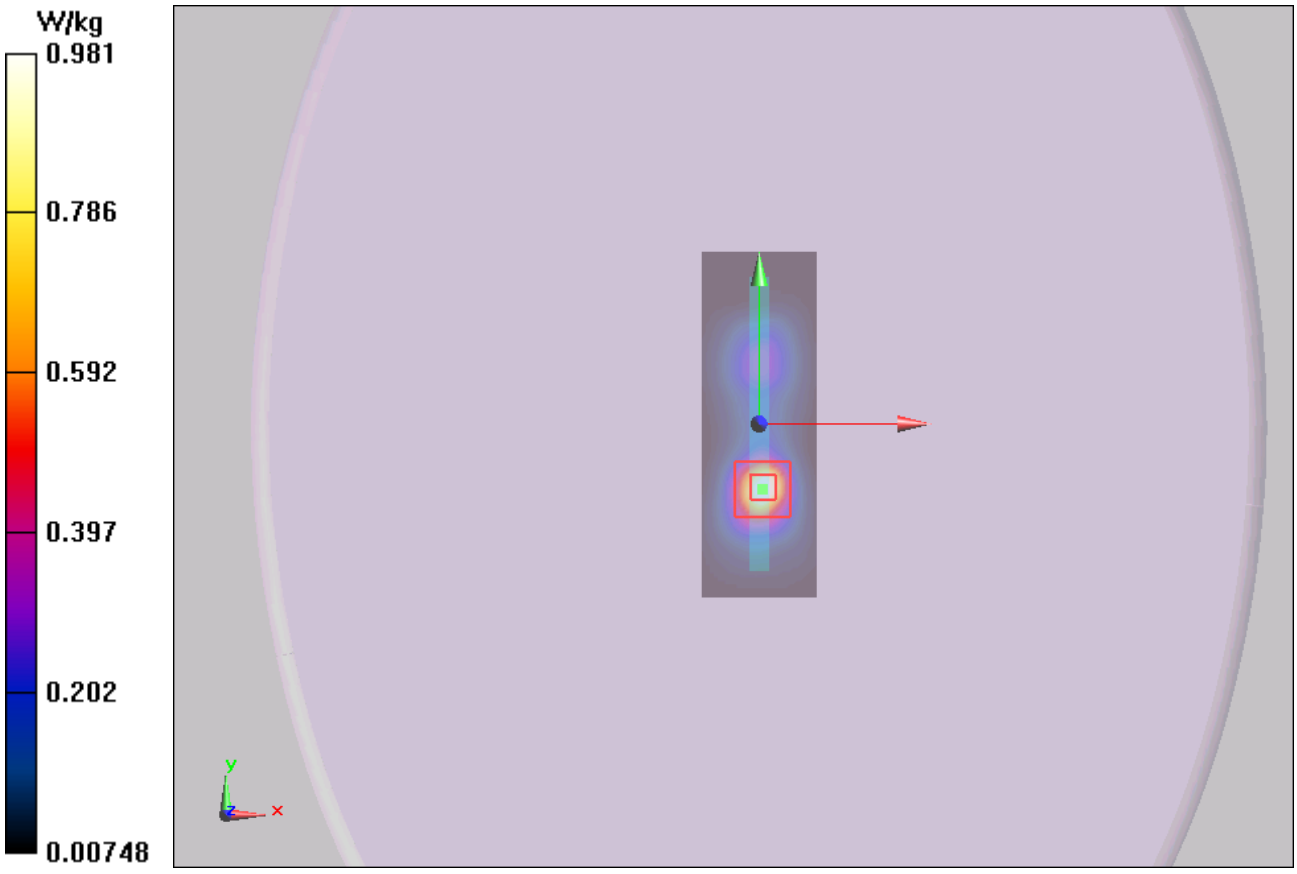



**Figure 33 GSM 1900 GPRS (2TXslots) with Test Position 3 Channel 661**

### GSM 1900 GPRS (2TXslots) with Test Position 3 Low

Date/Time: 3/17/2014 7:44:13 PM
Communication System: GPRS 2TX (0); Frequency: 1850.2 MHz;Duty Cycle: 1:4.14954
Medium parameters used (interpolated): f = 1850.2 MHz; $\sigma$ = 1.462 S/m; $\varepsilon_r$ = 52.753; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 3 Low /Area Scan (31x91x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

**Test Position 3 Low /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.173 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.83 W/kg
**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.445 W/kg**
Maximum value of SAR (measured) = 1.10 W/kg

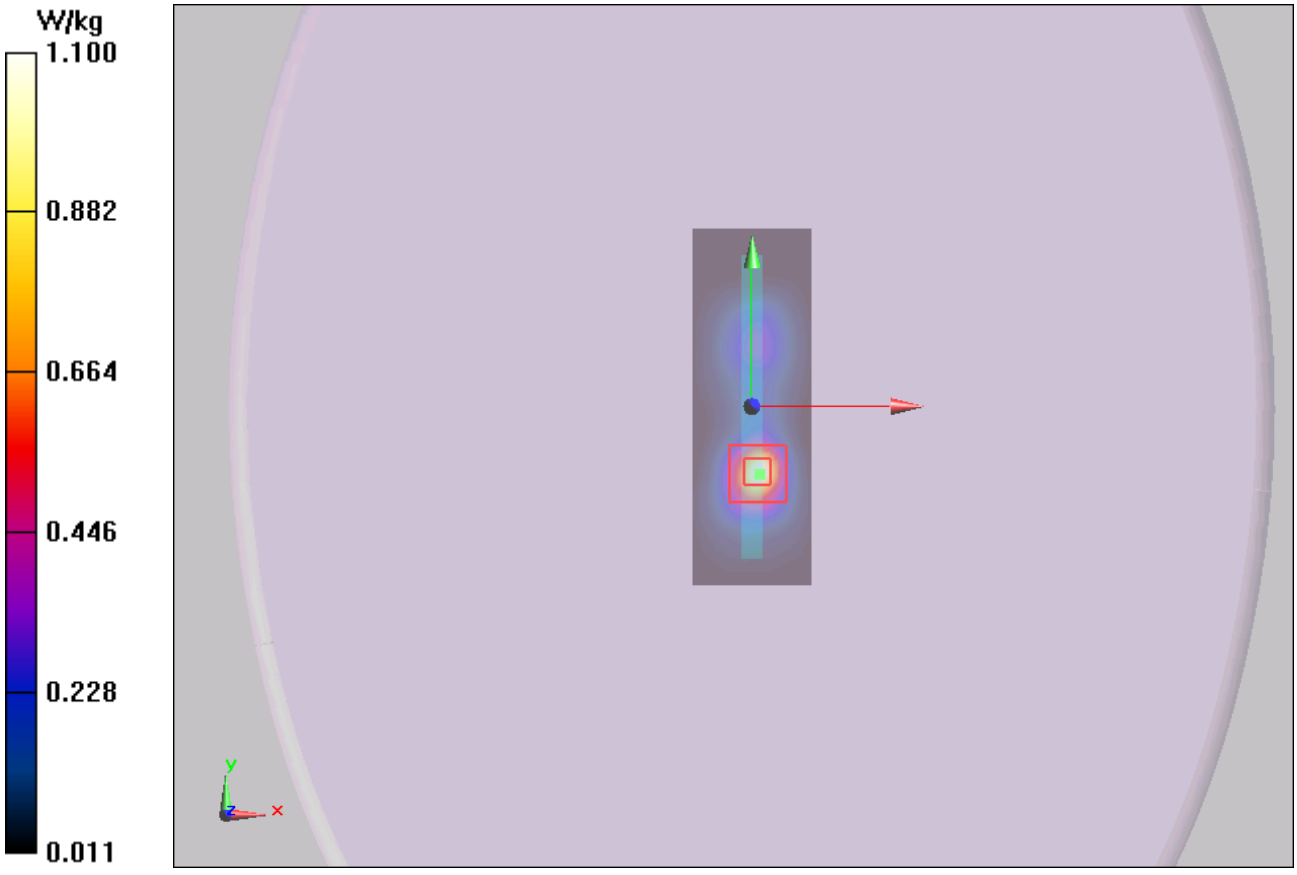



**Figure 34 GSM 1900 GPRS (2TXslots) with Test Position 3 Channel 512**

## GSM 1900 GPRS (2TXslots) with Test Position 4 Middle

Date/Time: 3/18/2014 6:34:09 AM
Communication System: GPRS 2TX (0); Frequency: 1880 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.493 S/m; $\varepsilon_r$ = 52.676; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 4 Middle /Area Scan (31x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0585 W/kg

**Test Position 4 Middle /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.290 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.113 W/kg
**SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.027 W/kg**
Maximum value of SAR (measured) = 0.059 W/kg

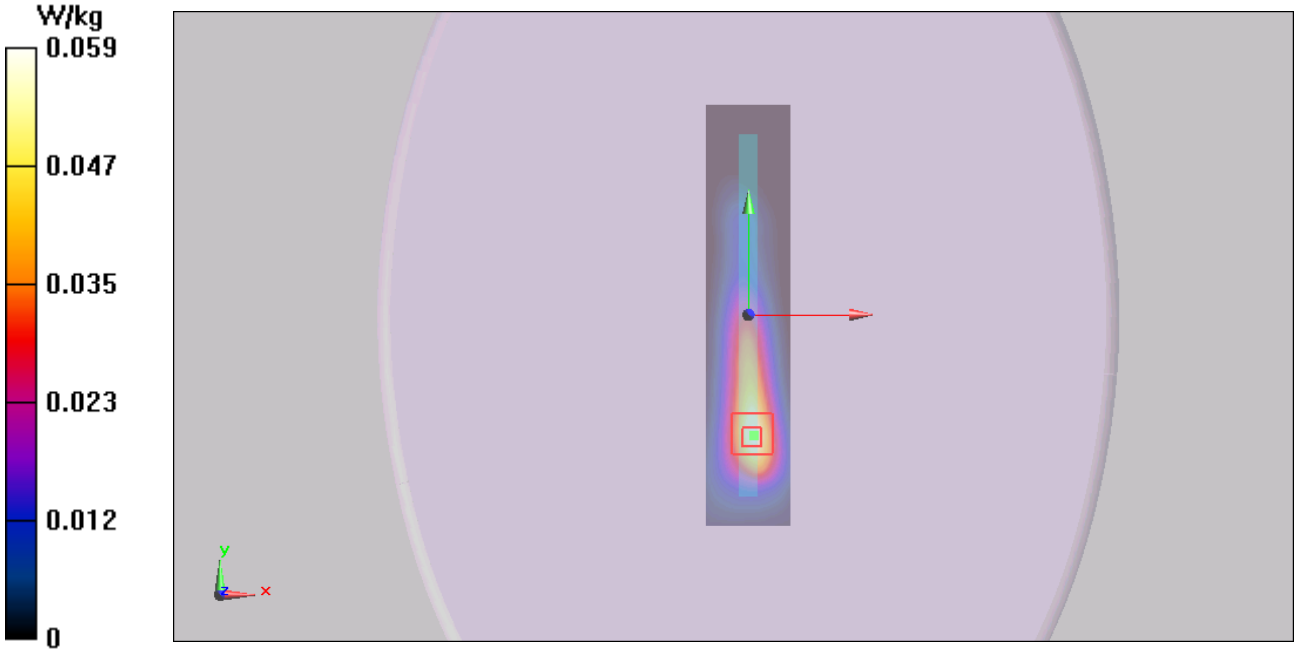


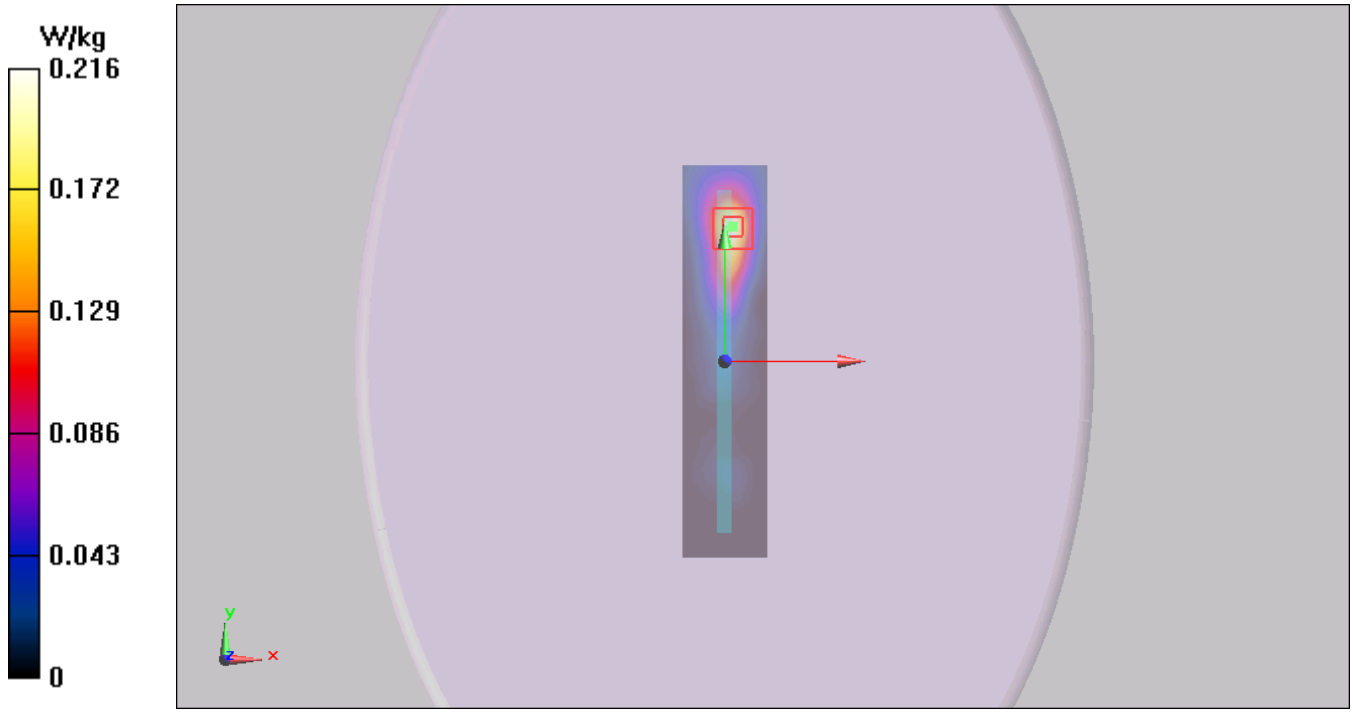

**Figure 35 GSM 1900 GPRS (2TXslots) with Test Position 4 Channel 661**

## GSM 1900 GPRS (2TXslots) with Test Position 5 Middle

Date/Time: 3/17/2014 9:38:47 PM
Communication System: GPRS 2TX (0); Frequency: 1880 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.493 S/m; $\varepsilon_r$ = 52.676; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 5 Middle /Area Scan (31x141x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.216 W/kg

**Test Position 5 Middle /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.841 V/m; Power Drift = -0.126 dB
Peak SAR (extrapolated) = 0.440 W/kg
**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.098 W/kg**
Maximum value of SAR (measured) = 0.216 W/kg




0 dB = 0.216 W/kg = -6.66 dBW/kg

**Figure 36 GSM 1900 GPRS (2TXslots) with Test Position 5 Channel 661**

## GSM 1900 EGPRS (2TXslots) with Test Position 1 Middle

Date/Time: 3/17/2014 8:04:36 PM
Communication System: EGPRS 2TX (0); Frequency: 1880 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.493 S/m; $\varepsilon_r$ = 52.676; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 1 Middle /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

**Test Position 1 Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.099 dB
Peak SAR (extrapolated) = 2.68 W/kg
**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.529 W/kg**
Maximum value of SAR (measured) = 1.48 W/kg

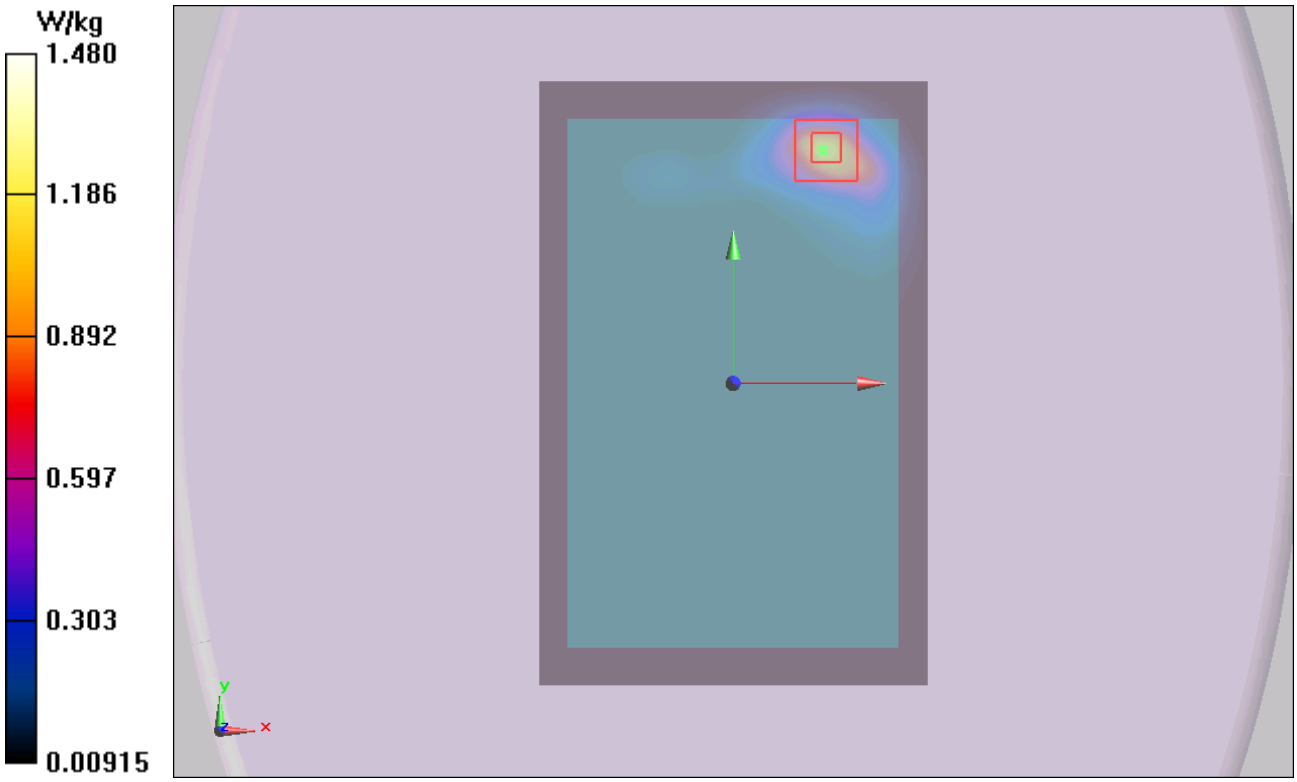



**Figure 37 GSM 1900 EGPRS (2TXslots) with Test Position 1 Channel 661**

## GSM 1900 Test Position 1 Middle (Earphone)

Date/Time: 3/17/2014 9:02:29 PM
Communication System: GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.493 S/m; $\varepsilon_r$ = 52.676; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 1 Middle /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.910 W/kg

**Test Position 1 Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.989 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 1.92 W/kg
**SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.399 W/kg**
Maximum value of SAR (measured) = 1.08 W/kg

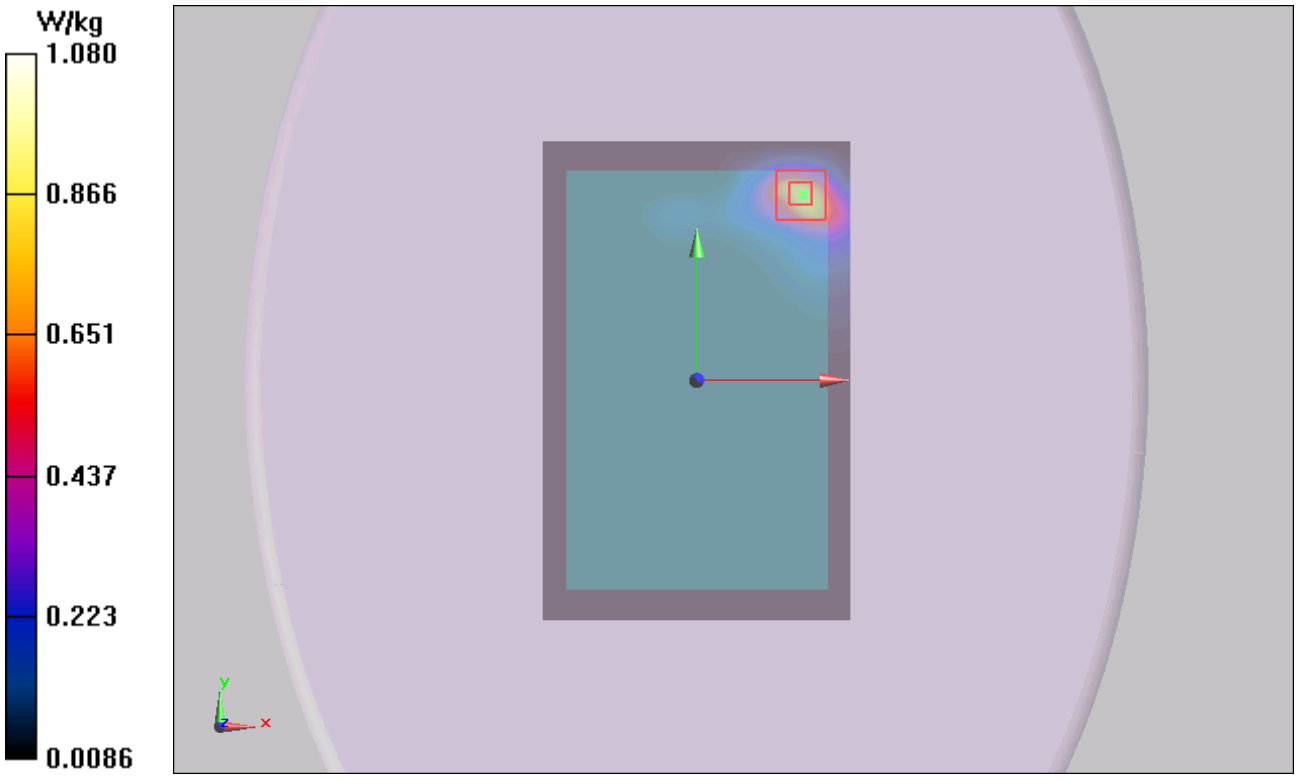



**Figure 38 GSM 1900 Test Position 1 Channel 661**

**GSM 1900 GPRS (2TXslots) with Test Position 1 Middle (1st Repeated SAR)**

Date/Time: 3/17/2014 8:30:21 PM
Communication System: GPRS 2TX (0); Frequency: 1880 MHz;Duty Cycle: 1:4.14954
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.493 S/m; $\varepsilon_r$ = 52.676; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Flat Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 – SN3677; ConvF(7.63, 7.63, 7.63); Calibrated: 11/28/2013;
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Test Position 1 Middle /Area Scan (91x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.20 W/kg

**Test Position 1 Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.173 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 2.65 W/kg
**SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.523 W/kg**
Maximum value of SAR (measured) = 1.47 W/kg

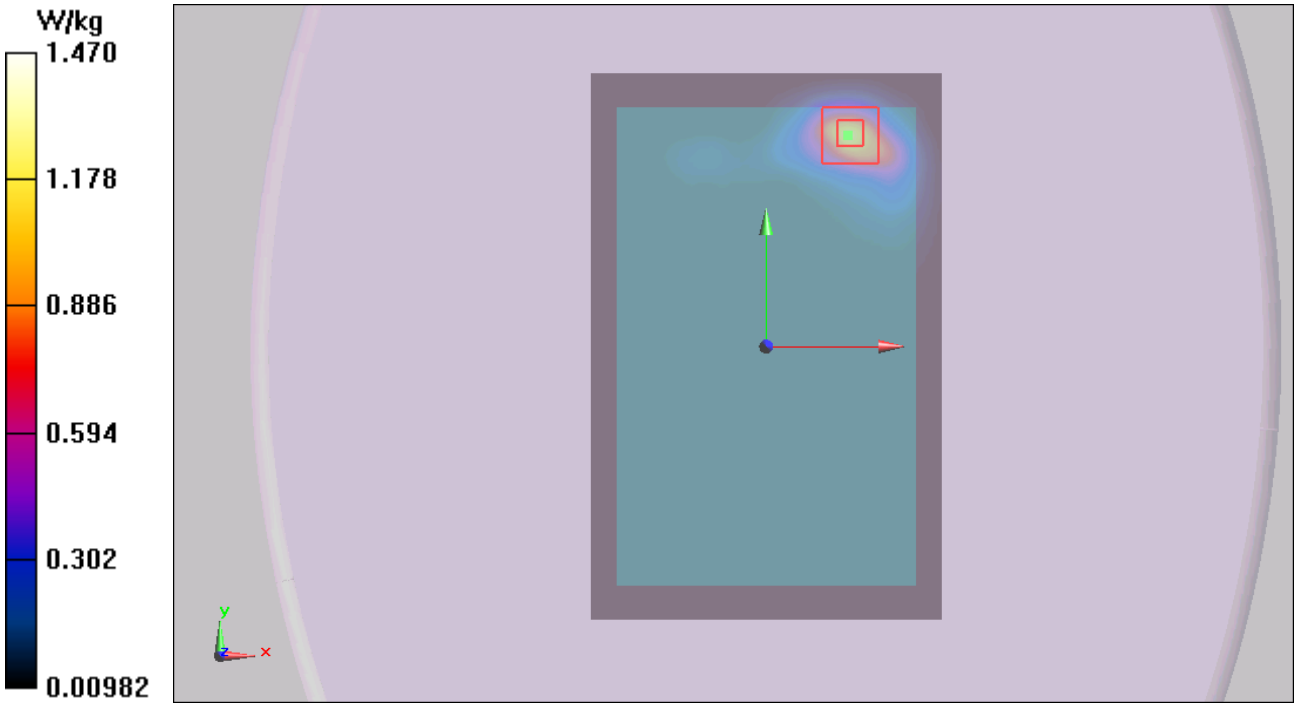



**Figure 39 GSM 1900 GPRS (2TXslots) with Test Position 1 Channel 661**

## UMTS Band II Left Cheek Middle

Date/Time: 3/18/2014 2:29:50 AM
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.413 S/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Cheek Middle /Area Scan (101x161x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.133 W/kg

**Left Cheek Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.023 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.185 W/kg
**SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.065 W/kg**
Maximum value of SAR (measured) = 0.129 W/kg

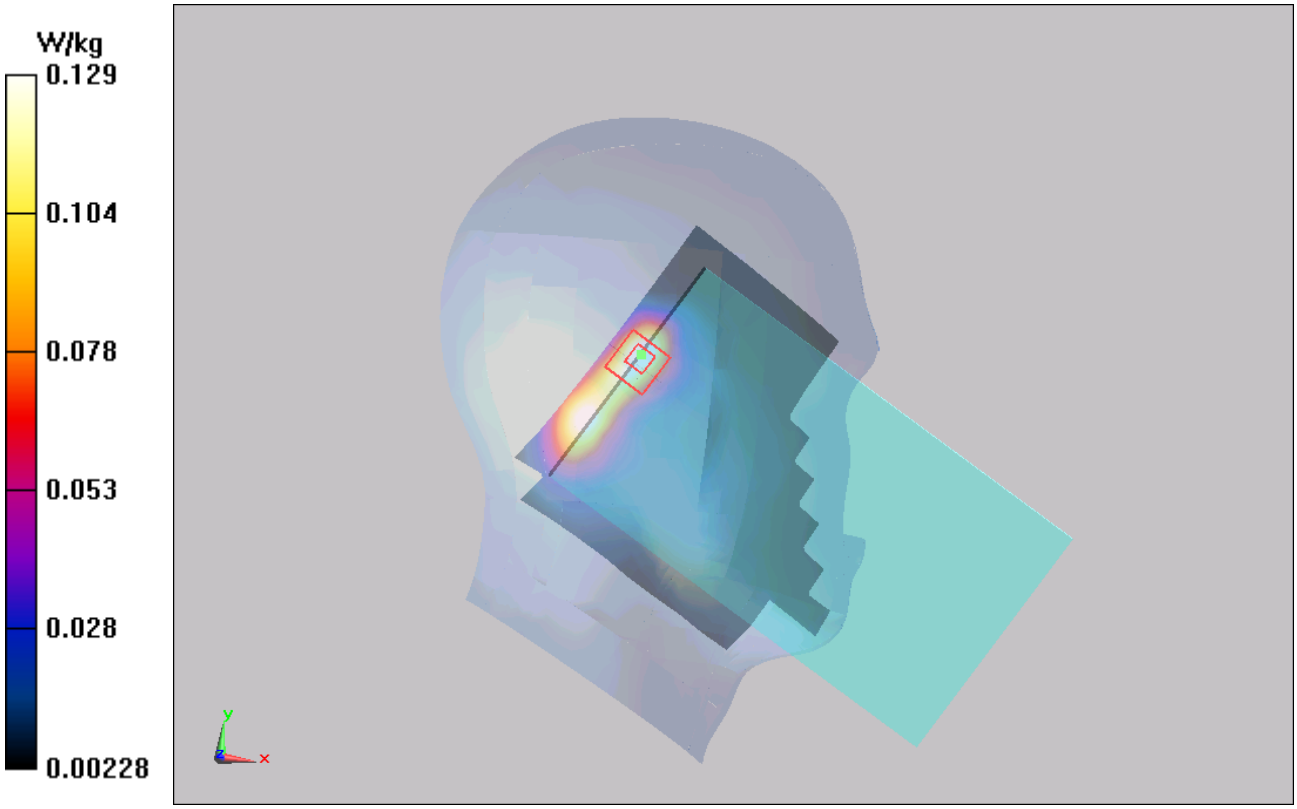



**Figure 40 Left Hand Touch Cheek UMTS Band II Channel 9400**

## UMTS Band II Left Tilt Middle

Date/Time: 3/18/2014 1:59:26 AM
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.413 S/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Left Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Left Tilt Middle /Area Scan (101x161x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.127 W/kg

**Left Tilt Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.094 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.161 W/kg
**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.058 W/kg**
Maximum value of SAR (measured) = 0.108 W/kg

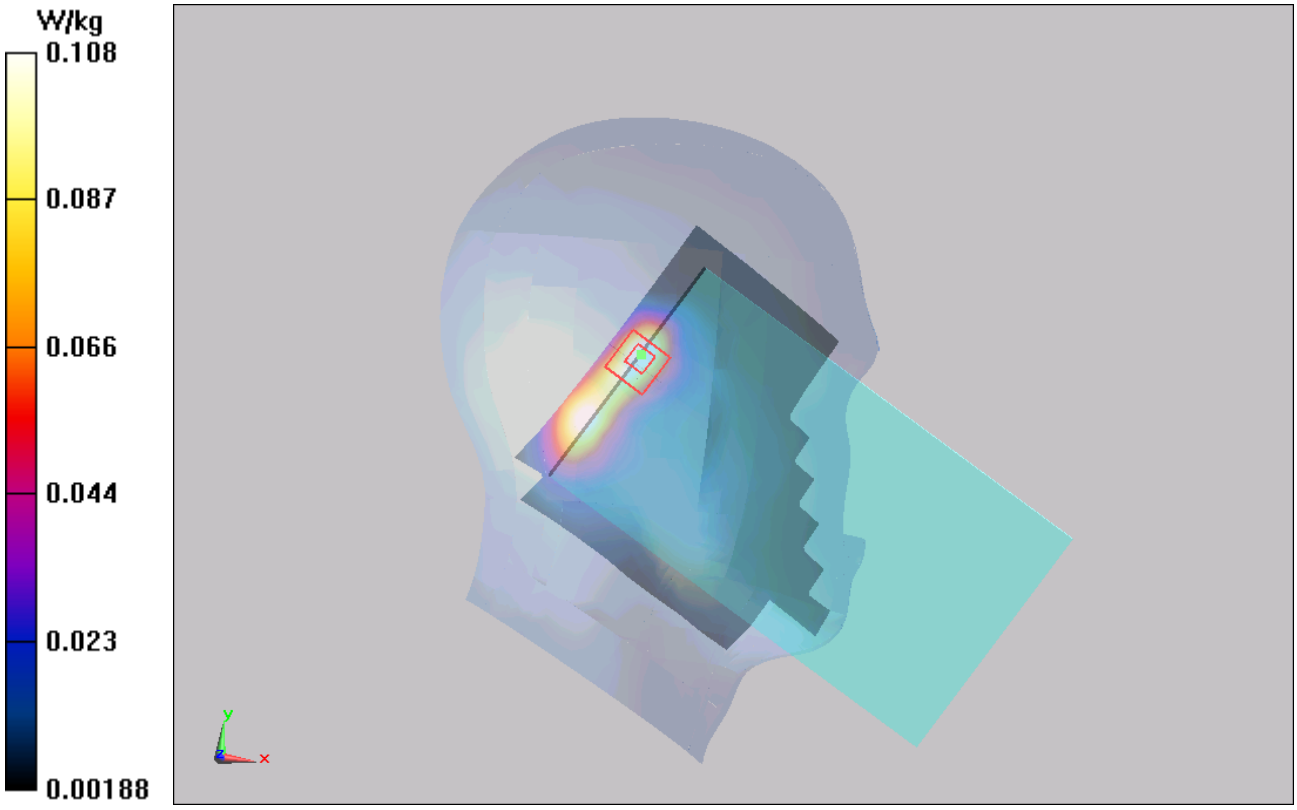



**Figure 41 Left Hand Tilt 15° UMTS Band II Channel 9400**

## UMTS Band II Right Cheek Middle

Date/Time: 3/18/2014 1:05:47 AM
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.413 S/m; $\varepsilon_r$ = 39.689; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:22.3 ℃ Liquid Temperature: 21.5℃
Phantom section: Right Section
DASY5 Configuration:
Sensor-Surface: 4mm (Mechanical Surface Detection)
Probe: EX3DV4 - SN3677; ConvF(8.15, 8.15, 8.15); Calibrated: 11/28/2013
Electronics: DAE4 Sn1317; Calibrated: 1/16/2014
Phantom: SAM 2; Type: SAM;
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Right Cheek Middle /Area Scan (81x141x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.386 W/kg

**Right Cheek Middle /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.484 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.616 W/kg
**SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.169 W/kg**
Maximum value of SAR (measured) = 0.422 W/kg