

850 Body Towards Phantom High With GPRS

Date/Time: 2009-5-13 11:30:41

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:2

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

Toward Phantom High/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.600 mW/g

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

Reference Value = 24.9 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.718 W/kg

SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.423 mW/g

Maximum value of SAR (measured) = 0.596 mW/g

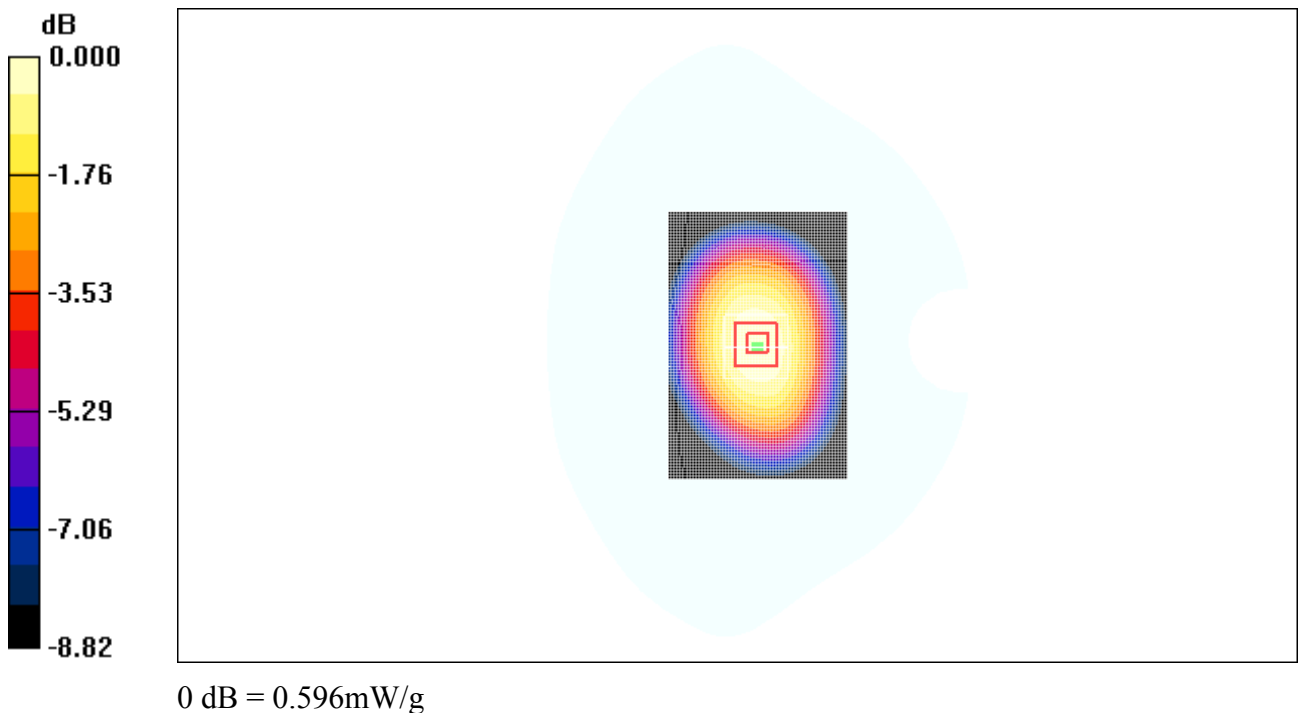


Fig. 18 850 MHz CH251

850 Body Towards Phantom Middle With GPRS

Date/Time: 2009-5-13 11:44:10

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.00$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:2

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

Toward Phantom Middle/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.661 mW/g

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

Reference Value = 26.1 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.795 W/kg

SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.466 mW/g

Maximum value of SAR (measured) = 0.659 mW/g

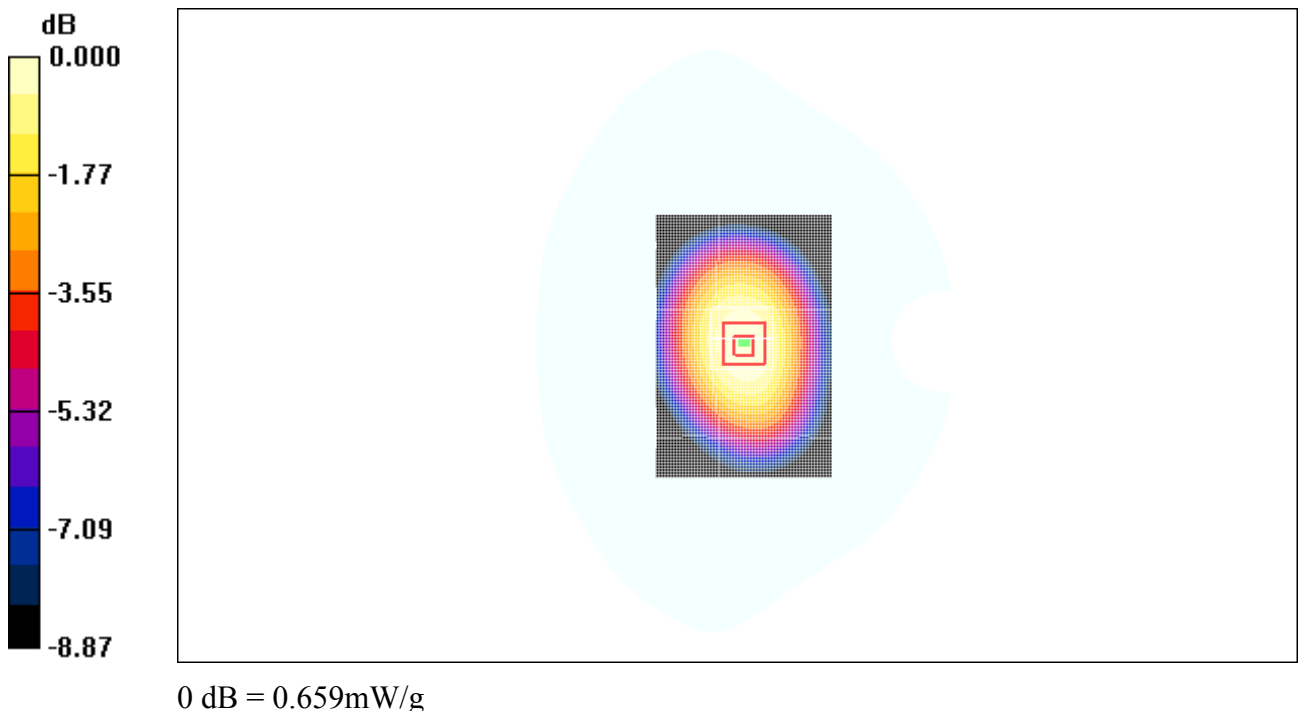


Fig. 19 850 MHz CH190

850 Body Towards Phantom Low With GPRS

Date/Time: 2009-5-13 11:58:26

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used: $f = 825$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:2

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

Toward Phantom Low/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.689 mW/g

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

Reference Value = 26.6 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.829 W/kg

SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 0.692 mW/g

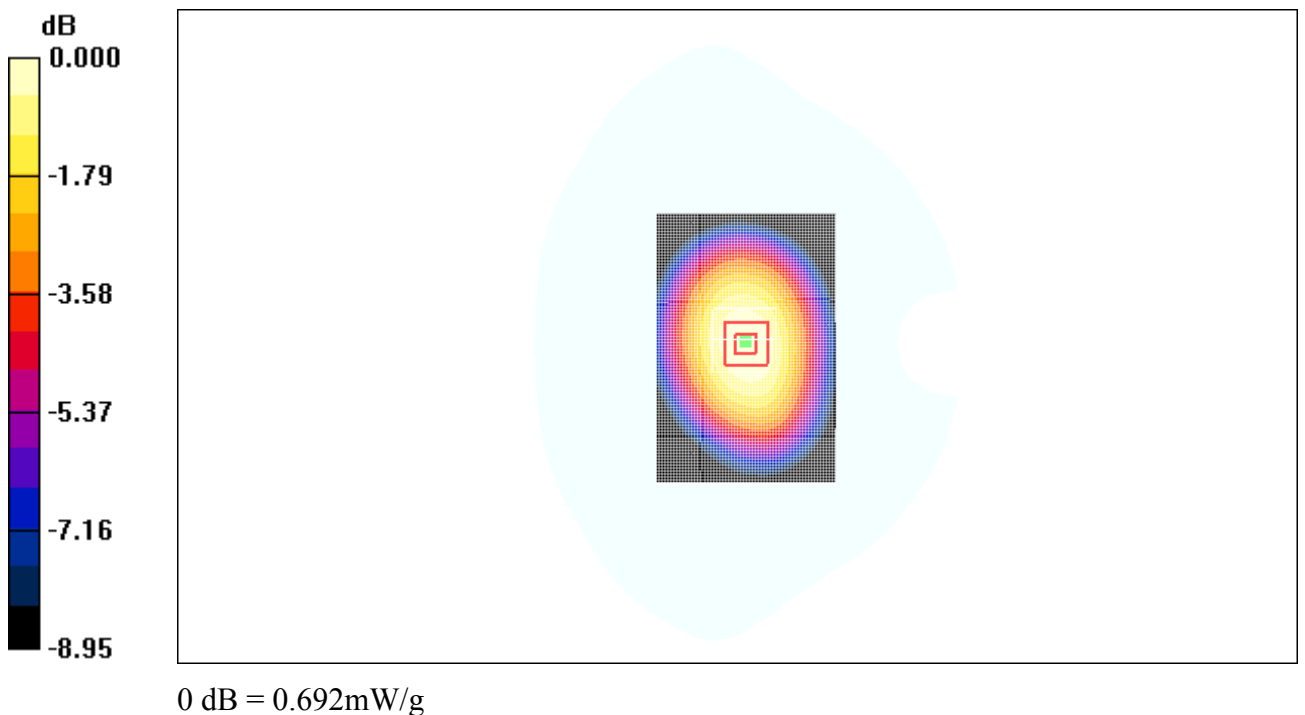


Fig. 20 850 MHz CH128

850 Body Towards Ground Low With EGPRS

Date/Time: 2009-5-13 12:14:07

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.983 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:2

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

Toward Ground Low/Area Scan (61x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.687 mW/g

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

Reference Value = 26.7 V/m ; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.655 mW/g ; SAR(10 g) = 0.477 mW/g

Maximum value of SAR (measured) = 0.694 mW/g

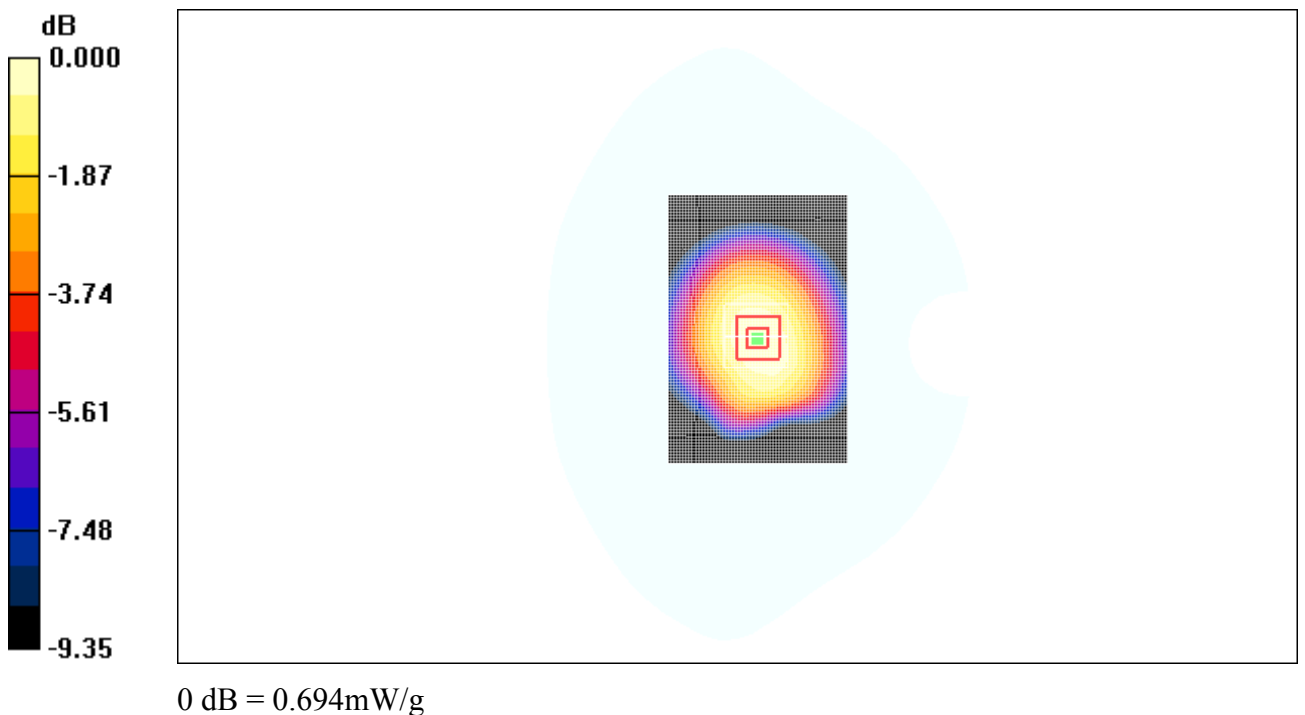


Fig. 21 850 MHz CH128

850 Body Towards Ground Low With Headset

Date/Time: 2009-5-13 12:29:46

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used: $f = 825$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

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

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

Toward Ground Low/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.08 mW/g

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

Reference Value = 33.0 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.733 mW/g

Maximum value of SAR (measured) = 1.07 mW/g

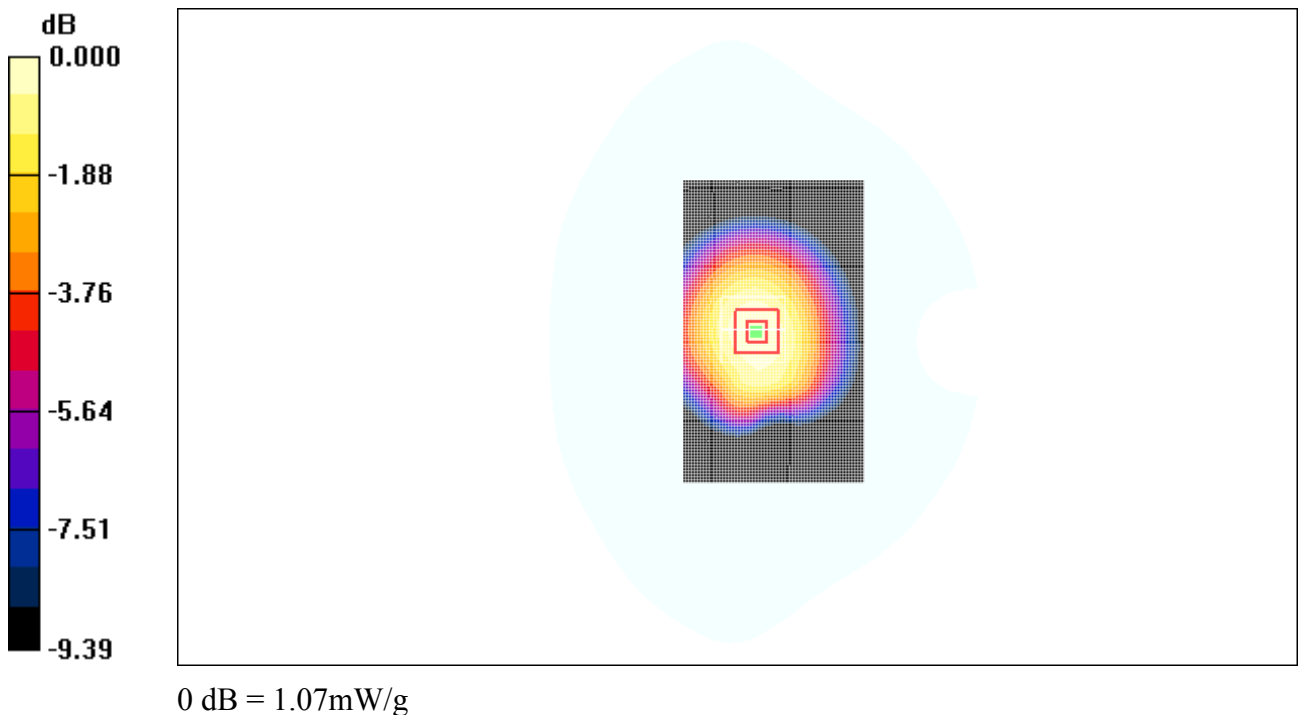


Fig. 22 850 MHz CH128

1900 Left Cheek High

Date/Time: 2009-5-14 8:02:32

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used: $f = 1910 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

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

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Cheek High/Area Scan (61x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.551 mW/g

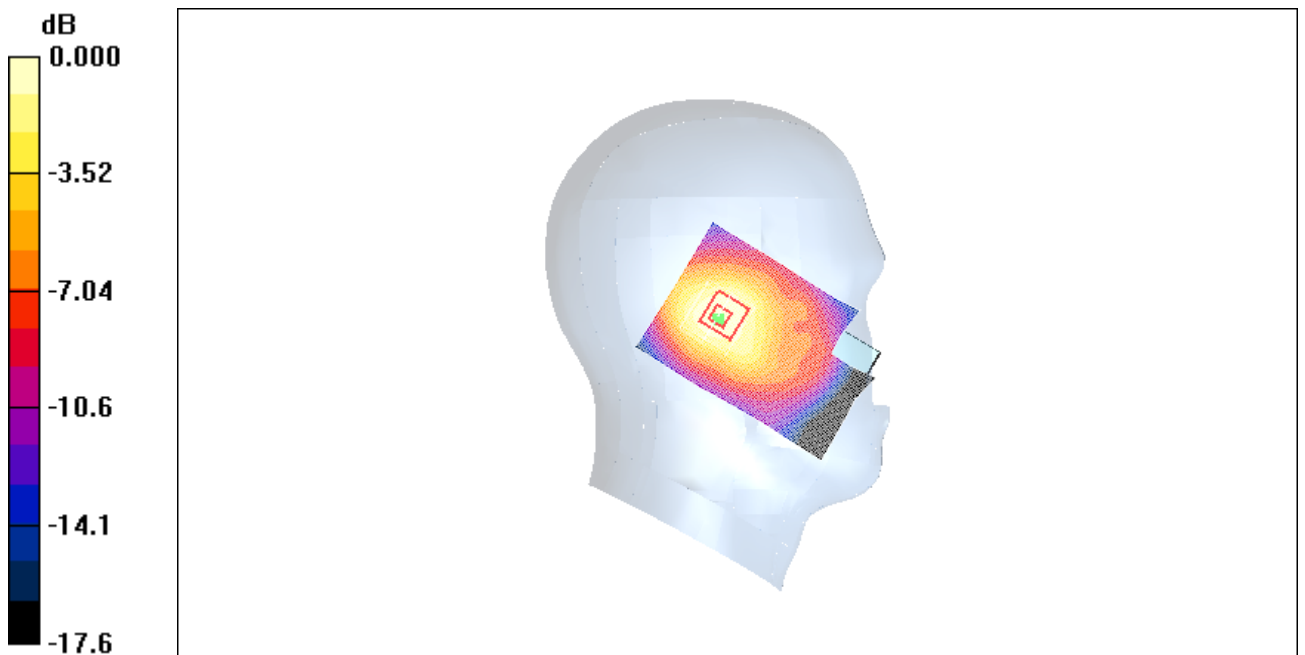
Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.5 V/m; Power Drift = -0.066 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.536 mW/g



0 dB = 0.536mW/g

Fig. 23 1900 MHz CH810

1900 Left Cheek Middle

Date/Time: 2009-5-14 8:16:45

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Cheek Middle/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.793 mW/g

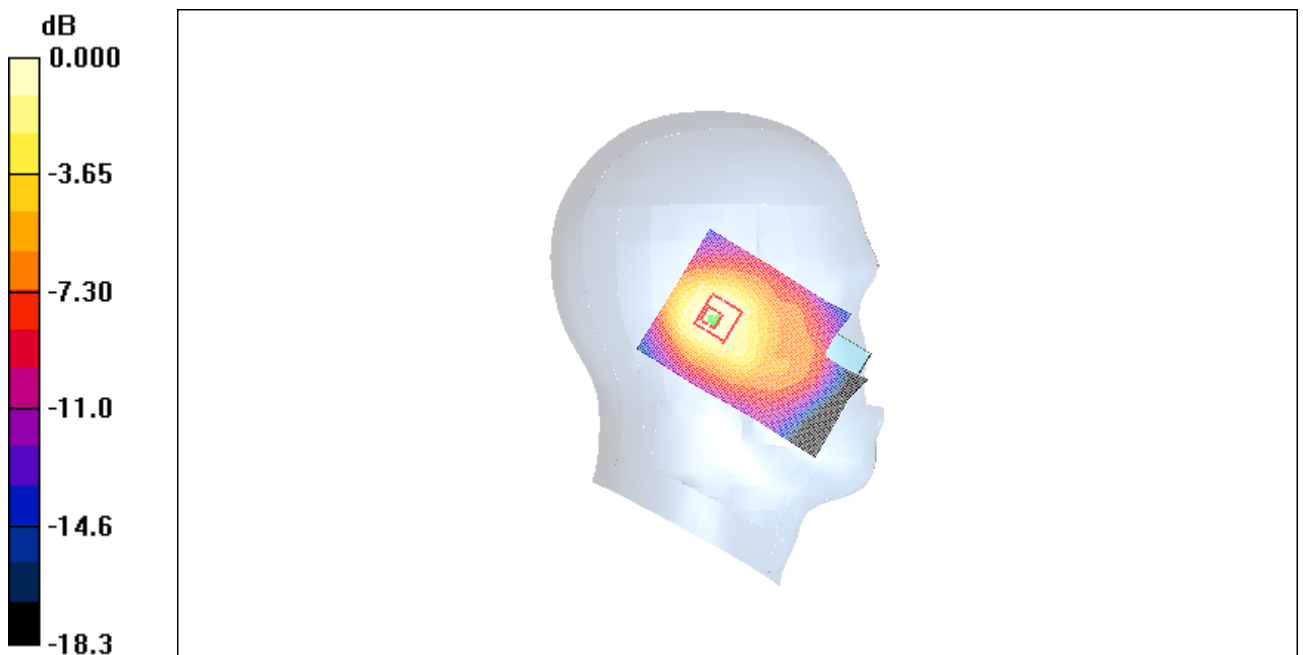
Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.426 mW/g

Maximum value of SAR (measured) = 0.777 mW/g



0 dB = 0.777mW/g

Fig. 24 1900 MHz CH661

1900 Left Cheek Low

Date/Time: 2009-5-14 8:30:50

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1850.2 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Cheek Low/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.863 mW/g

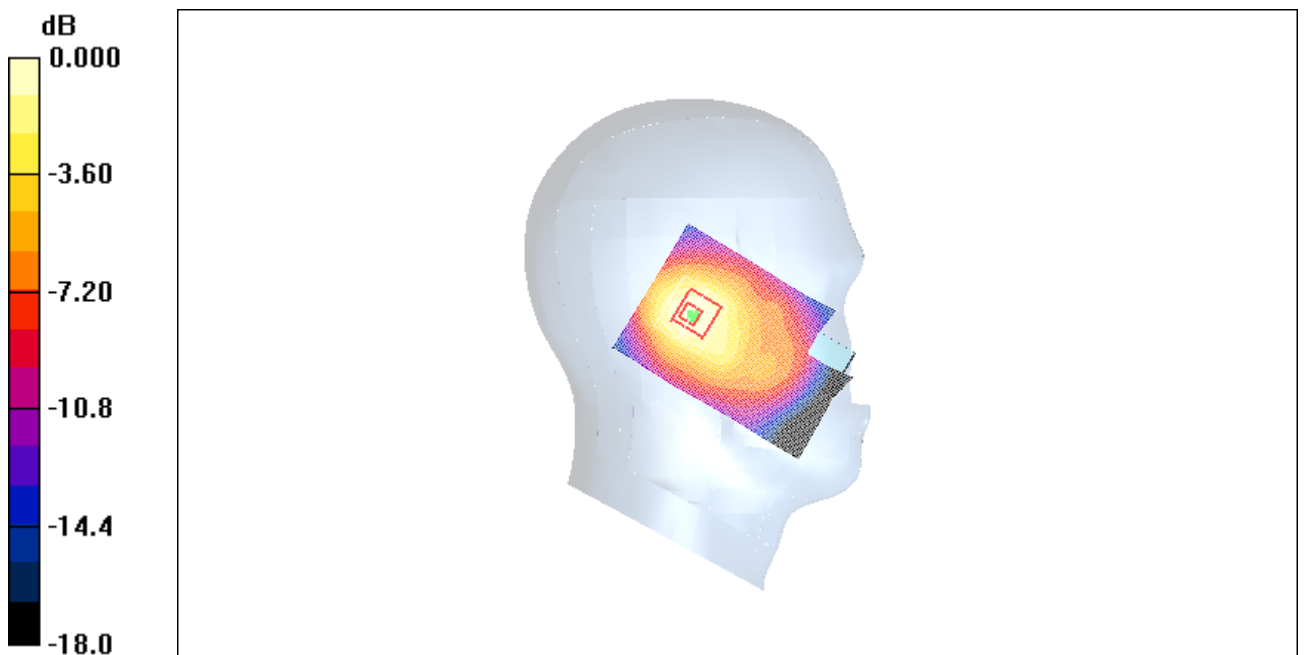
Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.2 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.469 mW/g

Maximum value of SAR (measured) = 0.859 mW/g



0 dB = 0.859mW/g

Fig. 25 1900 MHz CH512

1900 Left Tilt High

Date/Time: 2009-5-14 8:44:39

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used: $f = 1910 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

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

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Tilt High/Area Scan (61x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.793 mW/g

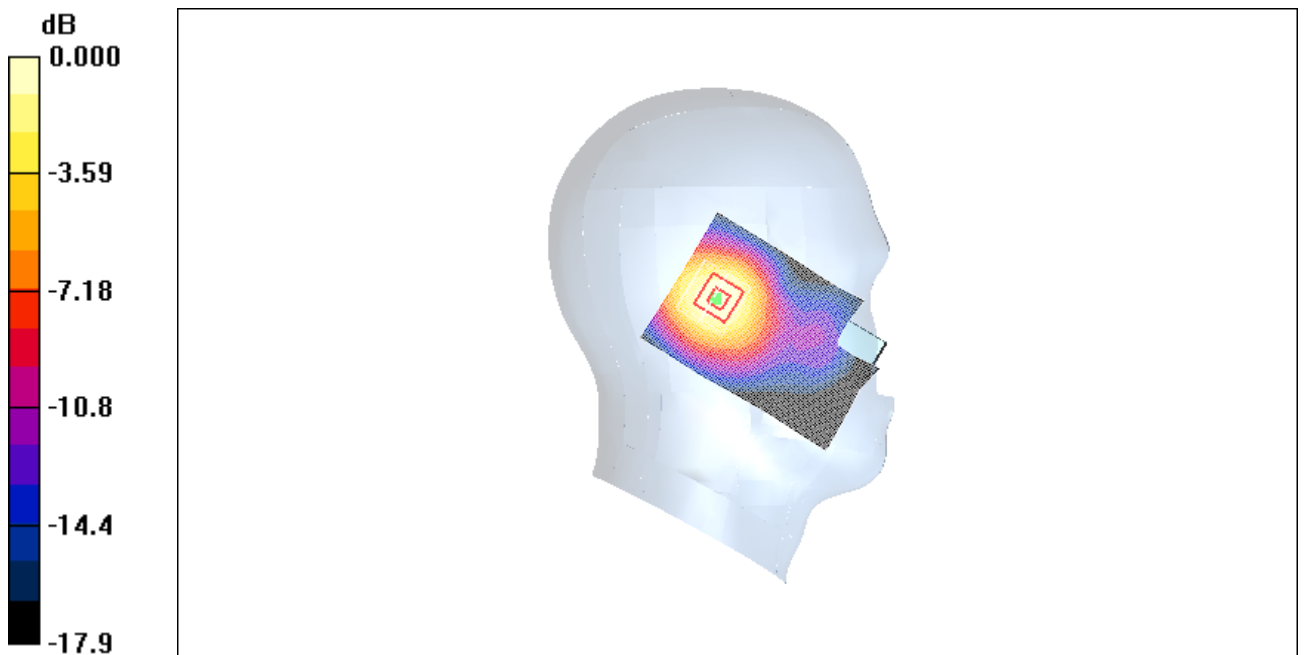
Tilt High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.2 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.686 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 0.739 mW/g



0 dB = 0.739mW/g

Fig.26 1900 MHz CH810

1900 Left Tilt Middle

Date/Time: 2009-5-14 8:58:31

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Tilt Middle/Area Scan (61x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.17 mW/g

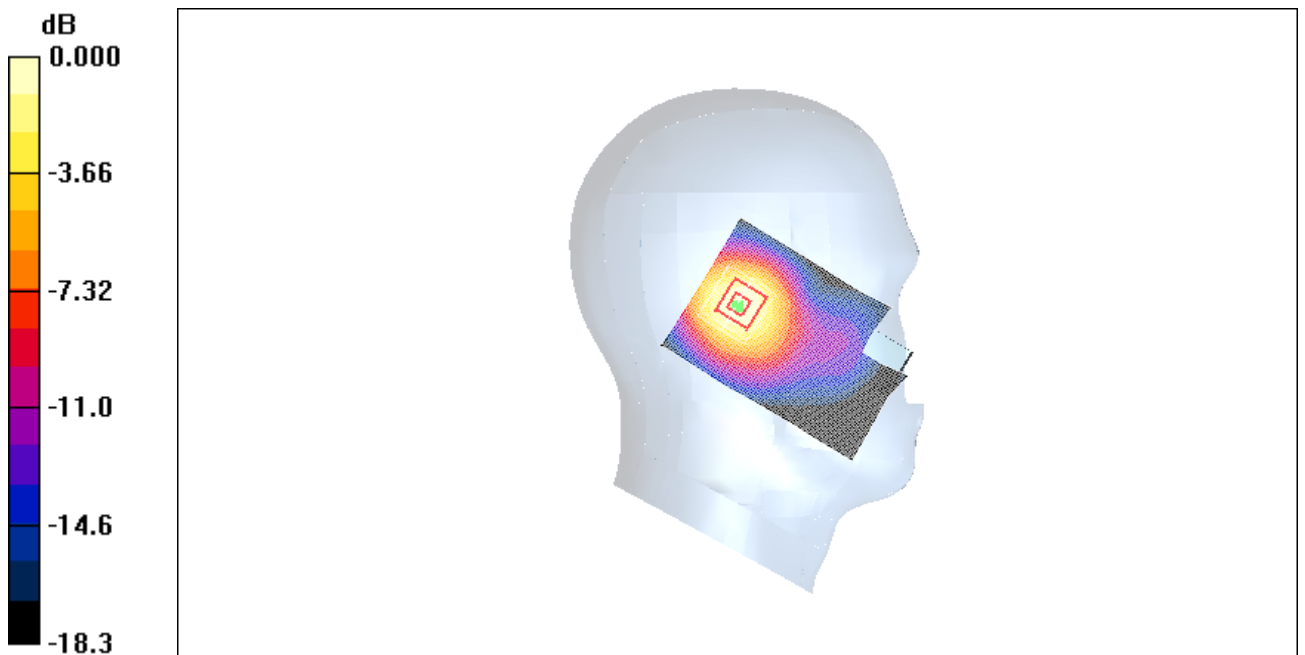
Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.5 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.575 mW/g

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11mW/g

Fig. 27 1900 MHz CH661

1900 Left Tilt Low

Date/Time: 2009-5-14 9:12:05

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1850.2 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Tilt Low/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.33 mW/g

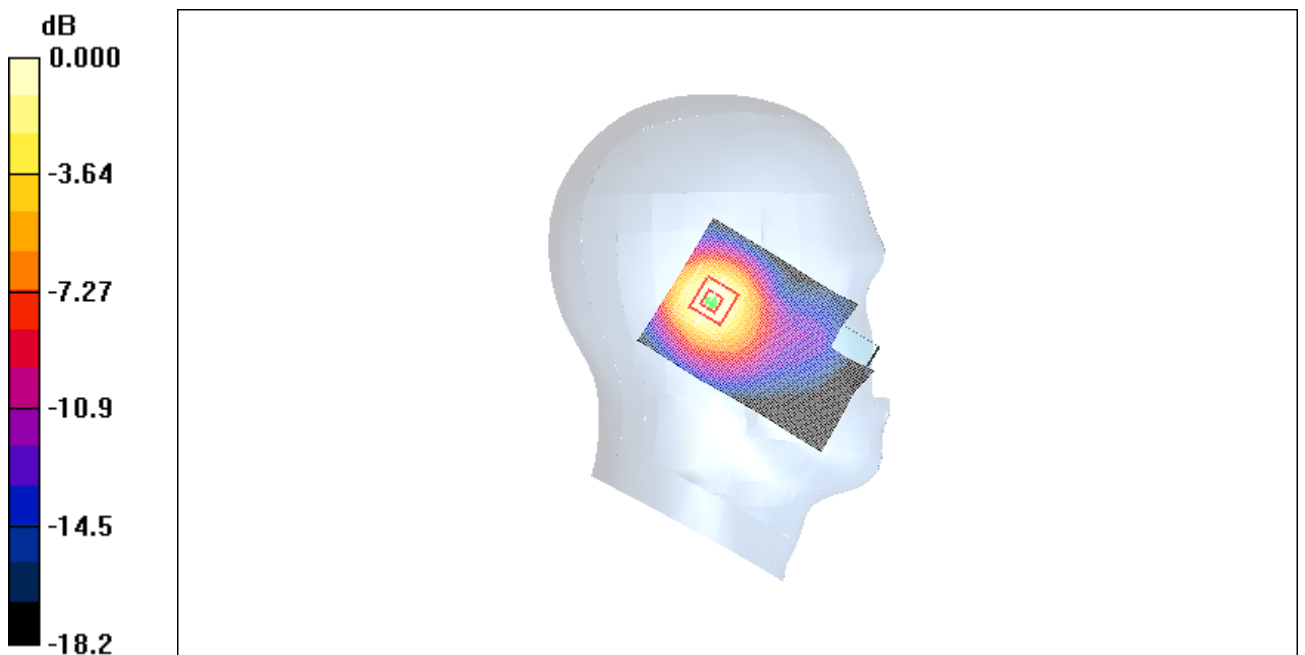
Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.8 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.655 mW/g

Maximum value of SAR (measured) = 1.27 mW/g



0 dB = 1.27mW/g

Fig. 28 1900 MHz CH512

1900 Right Cheek High

Date/Time: 2009-5-14 9:26:57

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used: $f = 1910 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

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

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Cheek High/Area Scan (61x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.591 mW/g

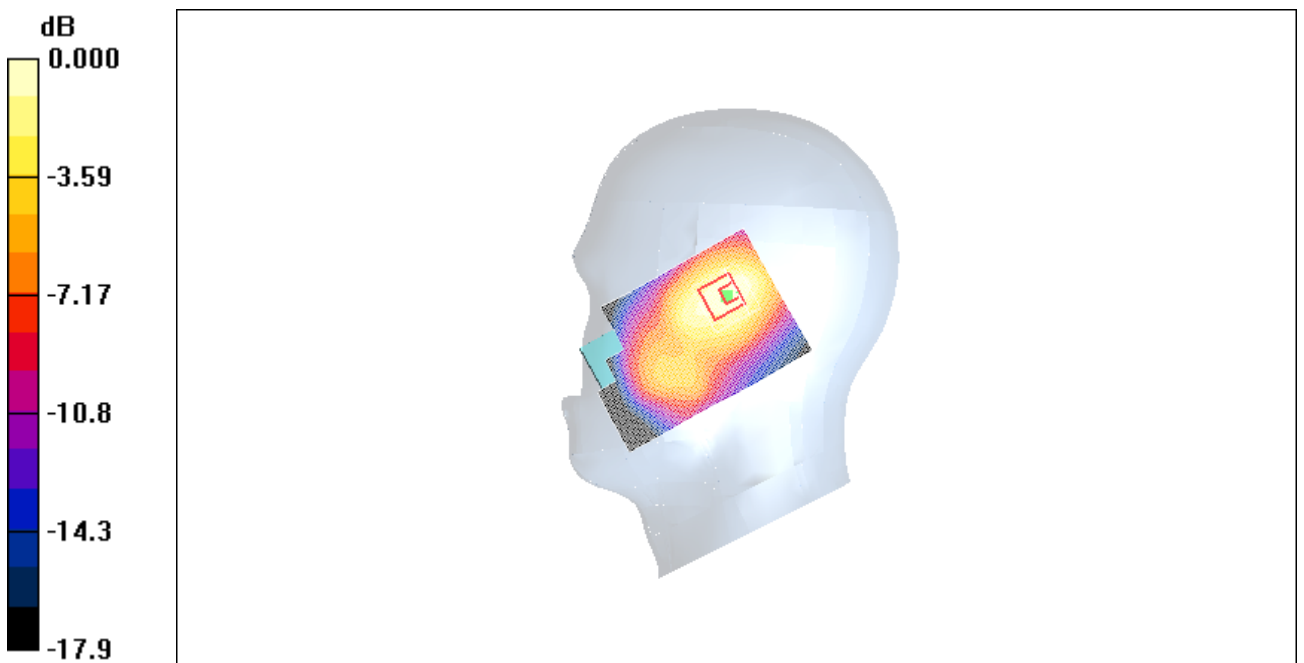
Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.6 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 0.934 W/kg

SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.300 mW/g

Maximum value of SAR (measured) = 0.562 mW/g



0 dB = 0.562mW/g

Fig. 29 1900 MHz CH810

1900 Right Cheek Middle

Date/Time: 2009-5-14 9:40:52

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Cheek Middle/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.884 mW/g

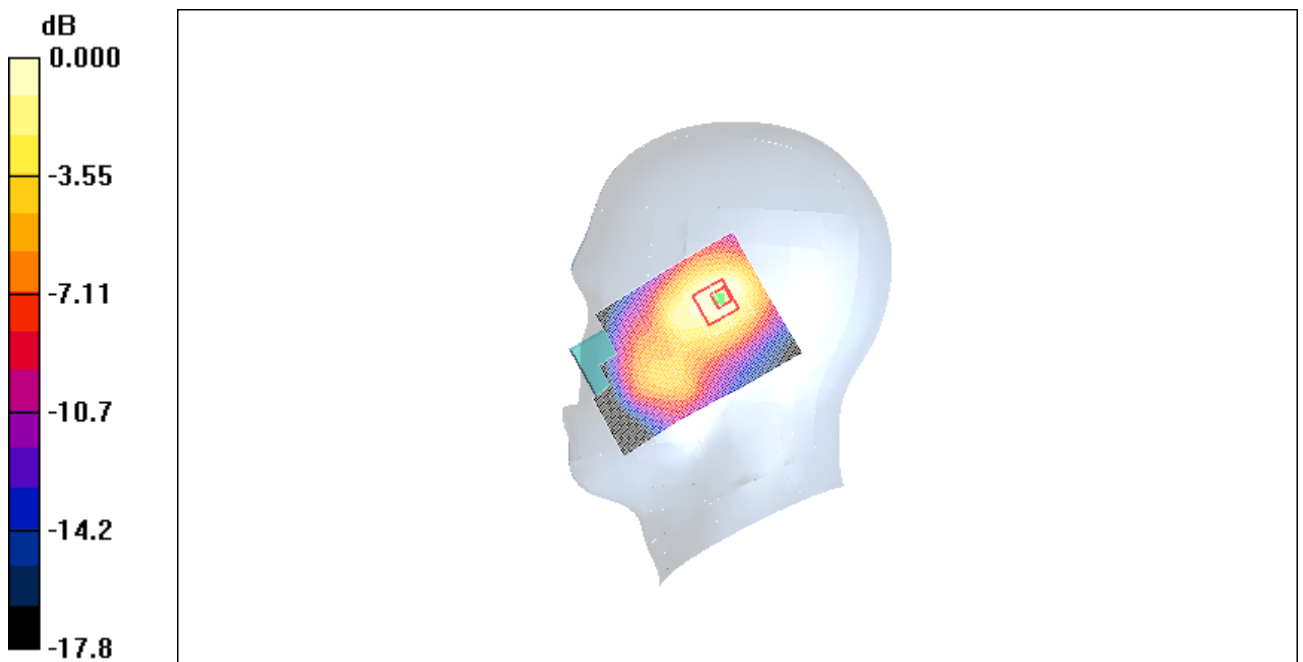
Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.2 V/m; Power Drift = 0.124 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.455 mW/g

Maximum value of SAR (measured) = 0.852 mW/g



0 dB = 0.852mW/g

Fig. 30 1900 MHz CH661

1900 Right Cheek Low

Date/Time: 2009-5-14 9:54:36

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1850.2 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Cheek Low/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.963 mW/g

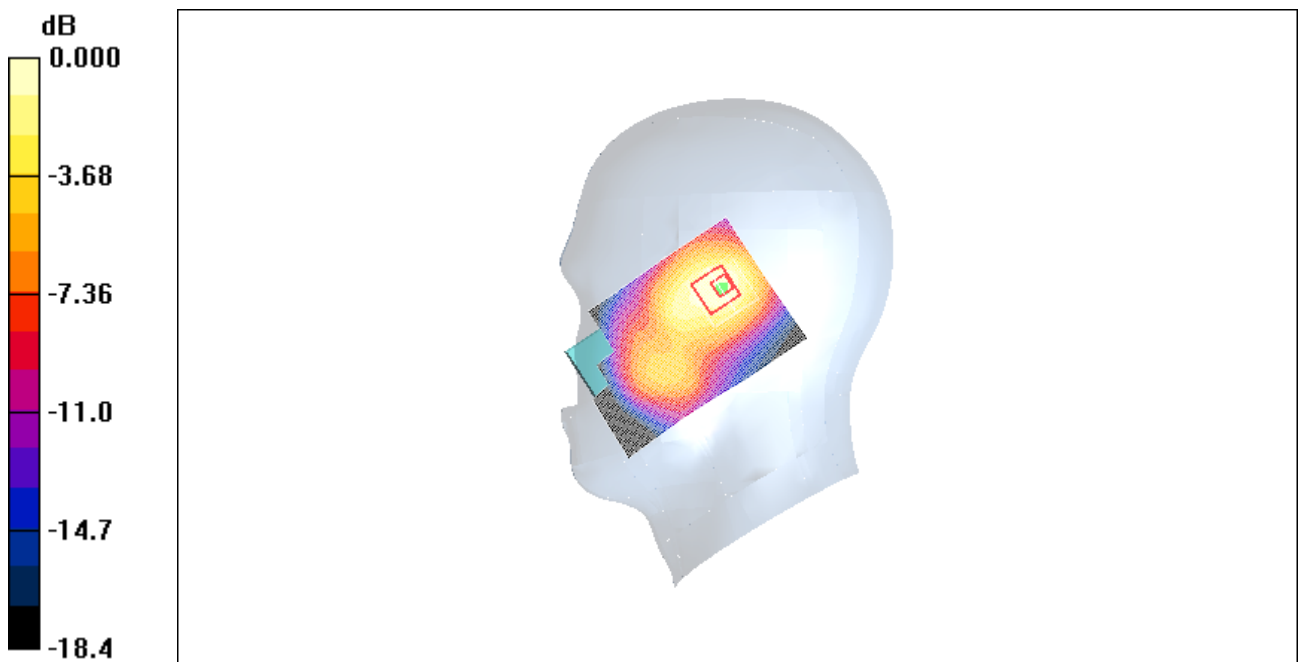
Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.3 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.500 mW/g

Maximum value of SAR (measured) = 0.951 mW/g



0 dB = 0.951mW/g

Fig. 31 1900 MHz CH512

1900 Right Tilt High

Date/Time: 2009-5-14 10:08:24

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

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

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Tilt High/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.765 mW/g

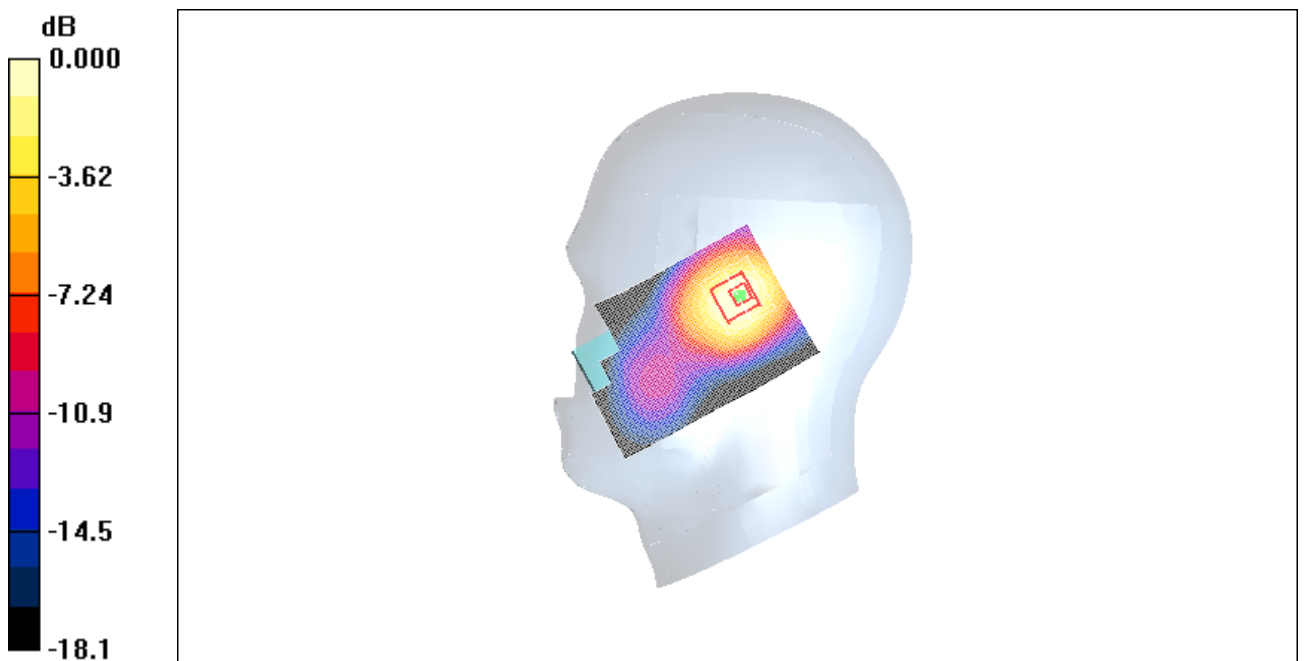
Tilt High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.368 mW/g

Maximum value of SAR (measured) = 0.706 mW/g



0 dB = 0.706mW/g

Fig. 32 1900 MHz CH810

1900 Right Tilt Middle

Date/Time: 2009-5-14 10:22:17

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Tilt Middle/Area Scan (61x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.18 mW/g

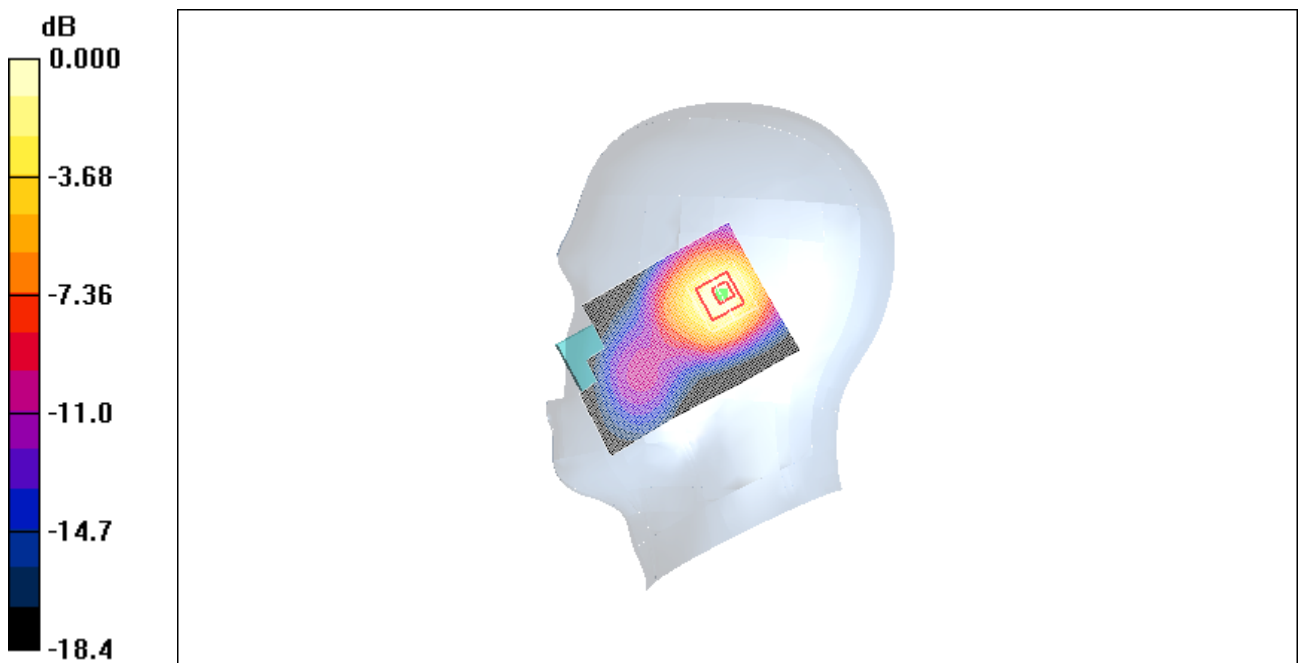
Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.3 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.573 mW/g

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11mW/g

Fig.33 1900 MHz CH661

1900 Right Tilt Low

Date/Time: 2009-5-14 10:36:25

Electronics: DAE4 Sn771

Medium: 1900 Head

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1850.2 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

Tilt Low/Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.34 mW/g

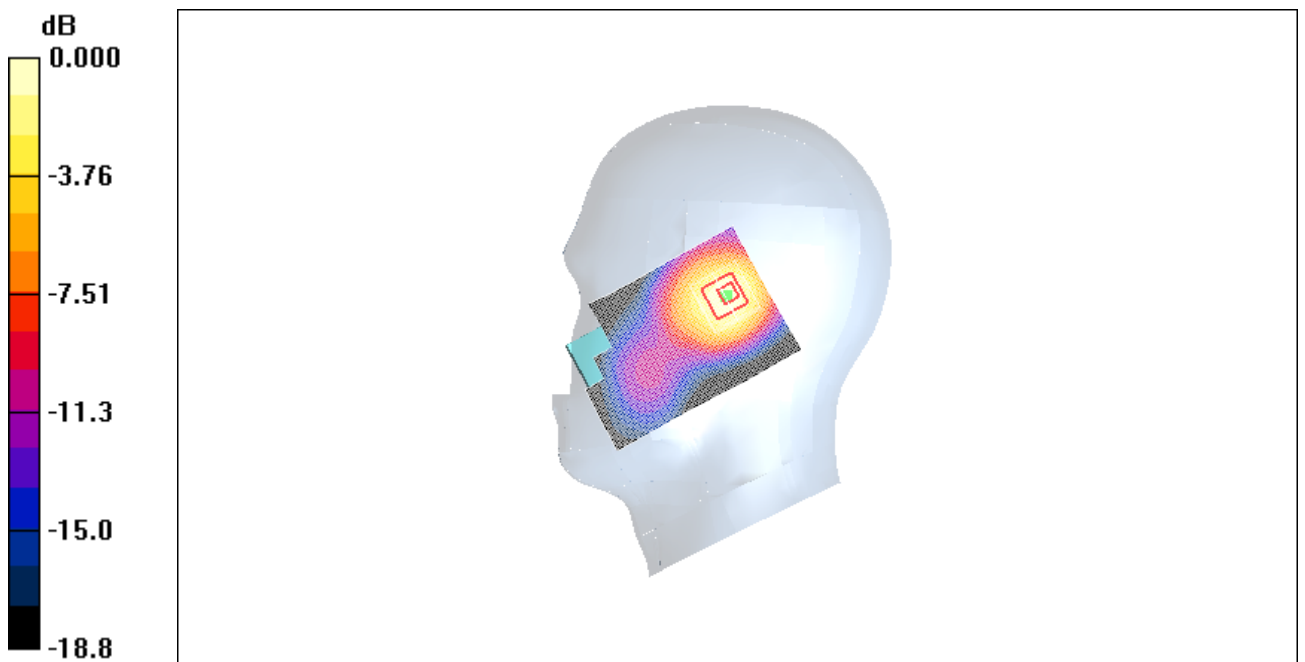
Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.6 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.647 mW/g

Maximum value of SAR (measured) = 1.27 mW/g



0 dB = 1.27mW/g

Fig.34 1900 MHz CH512

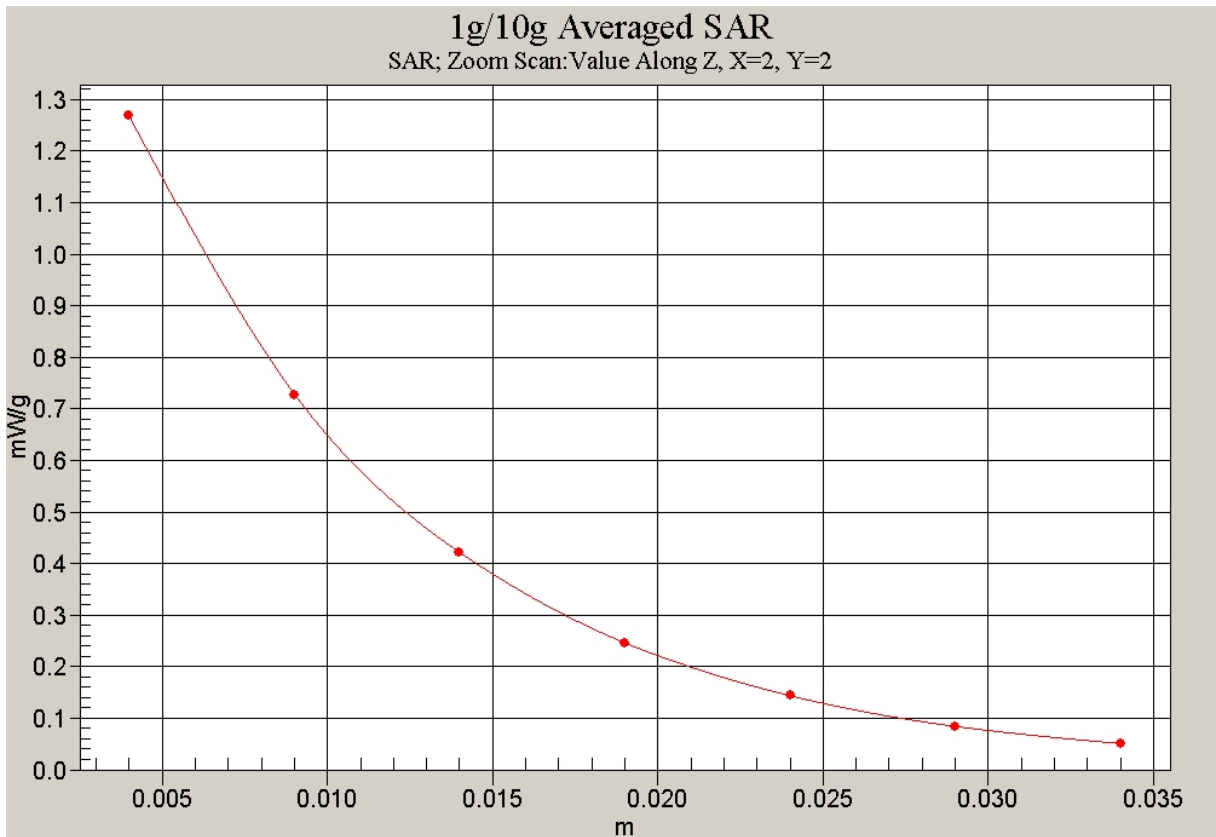


Fig. 35 Z-Scan at power reference point (1900 MHz CH512)

1900 Body Towards Ground High With GPRS

Date/Time: 2009-5-14 10:54:30

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:2

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

Toward Ground High/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.472 mW/g

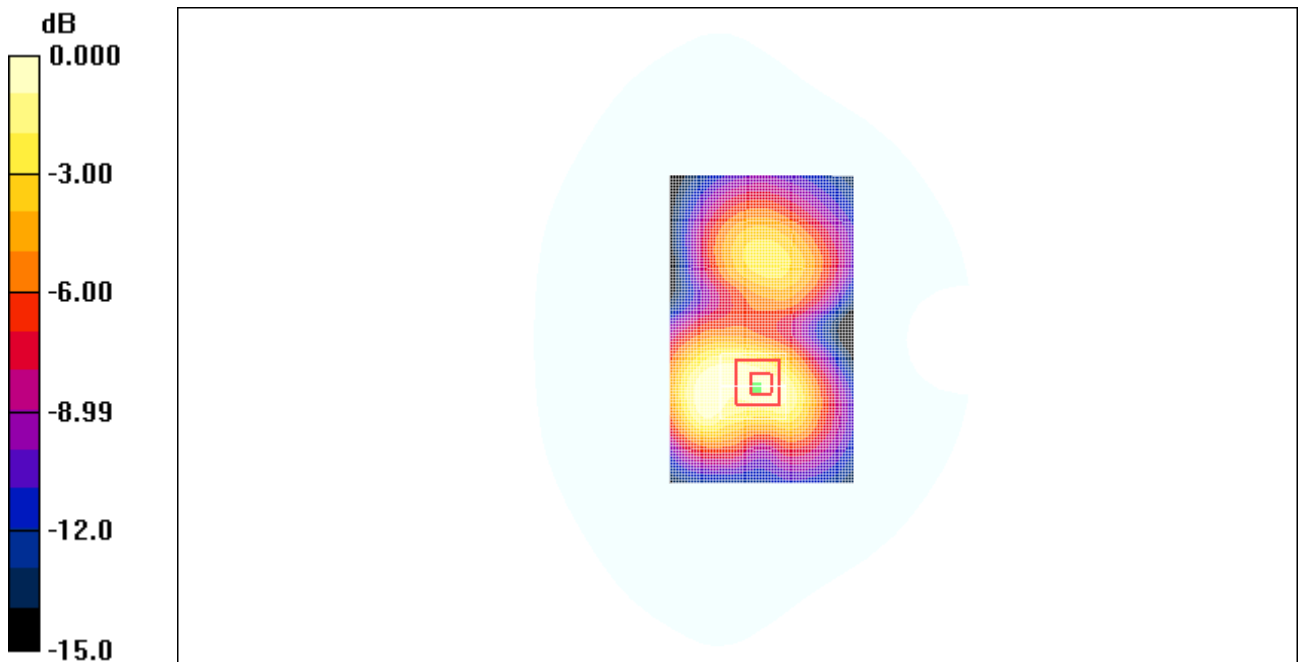
Toward Ground High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.717 W/kg

SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.462 mW/g



0 dB = 0.462mW/g

Fig. 36 1900 MHz CH810

1900 Body Towards Ground Middle With GPRS

Date/Time: 2009-5-14 11:08:49

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1880 MHz Duty Cycle: 1:2

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

Toward Ground Middle/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.735 mW/g

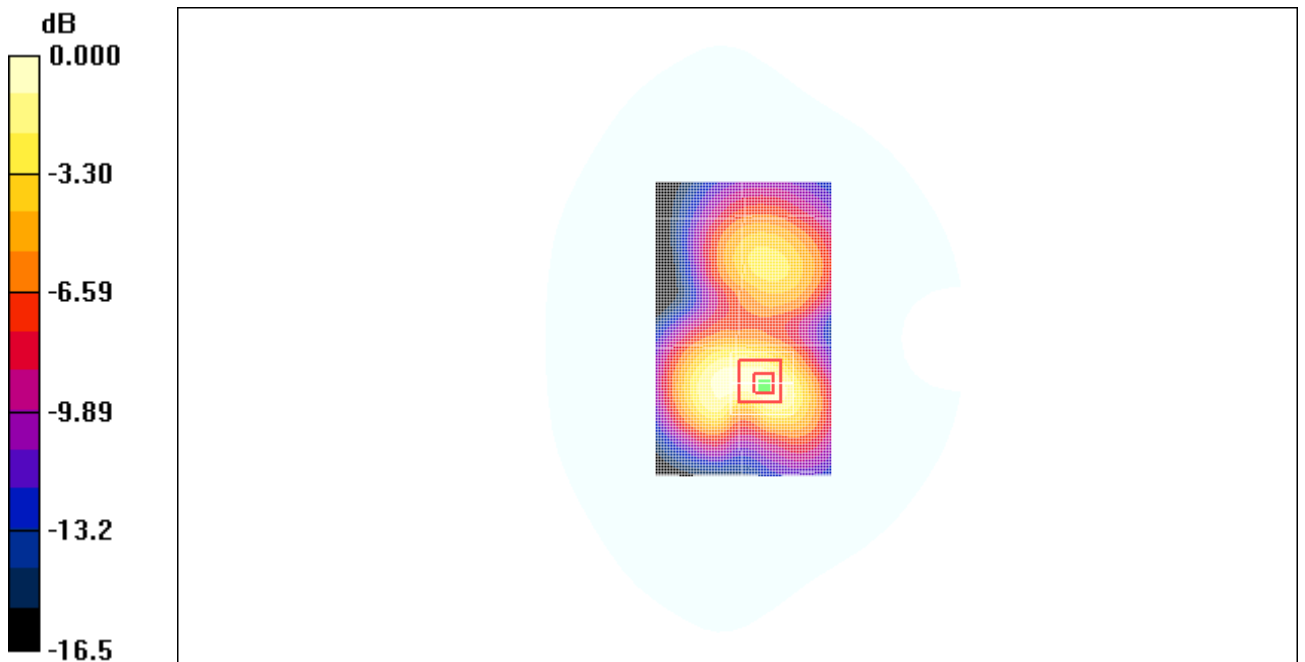
Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.369 mW/g

Maximum value of SAR (measured) = 0.709 mW/g



0 dB = 0.709mW/g

Fig. 37 1900 MHz CH661