

**1900 Body Bottom Side Middle with Headset\_CCB3160A10C0**

Date/Time: 2011-5-13 17:00:15

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.607 mW/g

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

Reference Value = 15.3 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.310 mW/g**

Maximum value of SAR (measured) = 0.675 mW/g

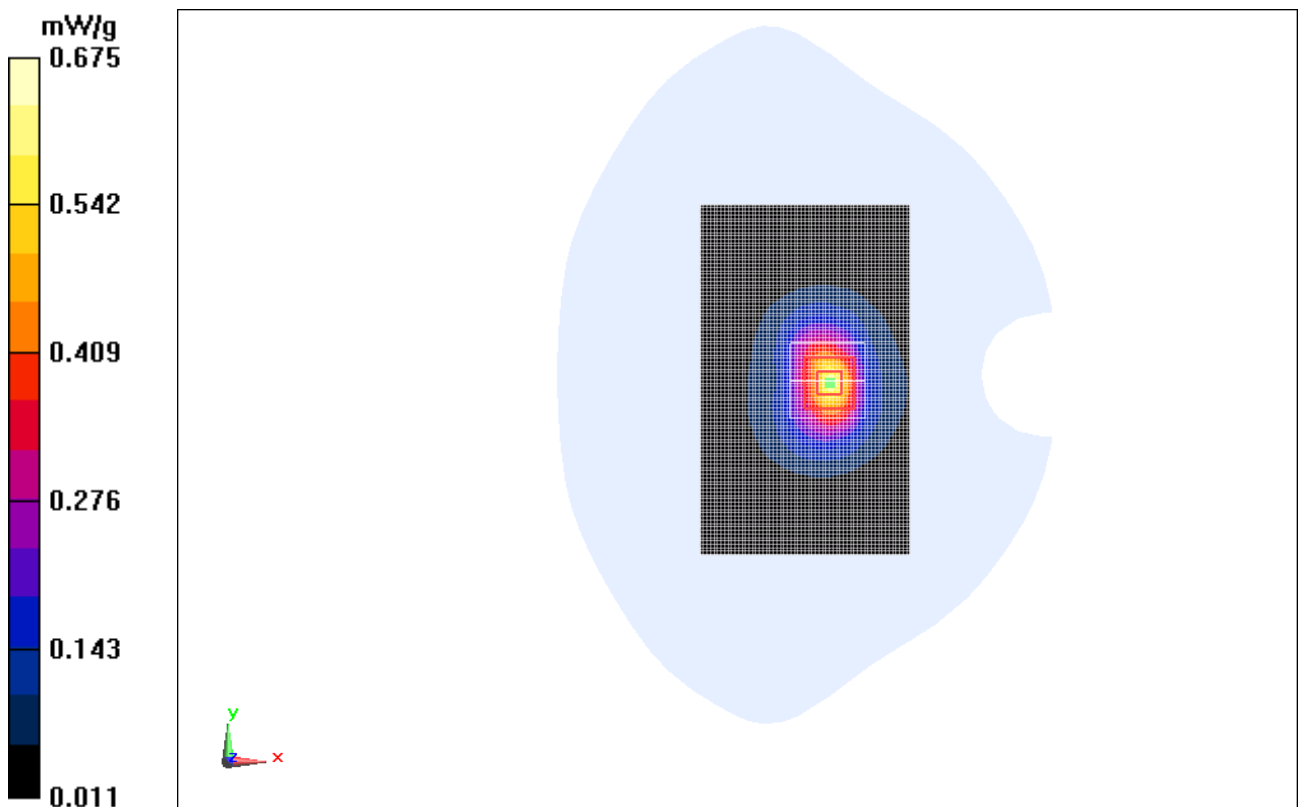


Fig. 73 1900 MHz CH661

**1900 Body Bottom Side Middle with Headset\_CCB3160A10C2**

Date/Time: 2011-5-13 17:16:54

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.662 mW/g

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

Reference Value = 19.6 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.328 mW/g**

Maximum value of SAR (measured) = 0.703 mW/g

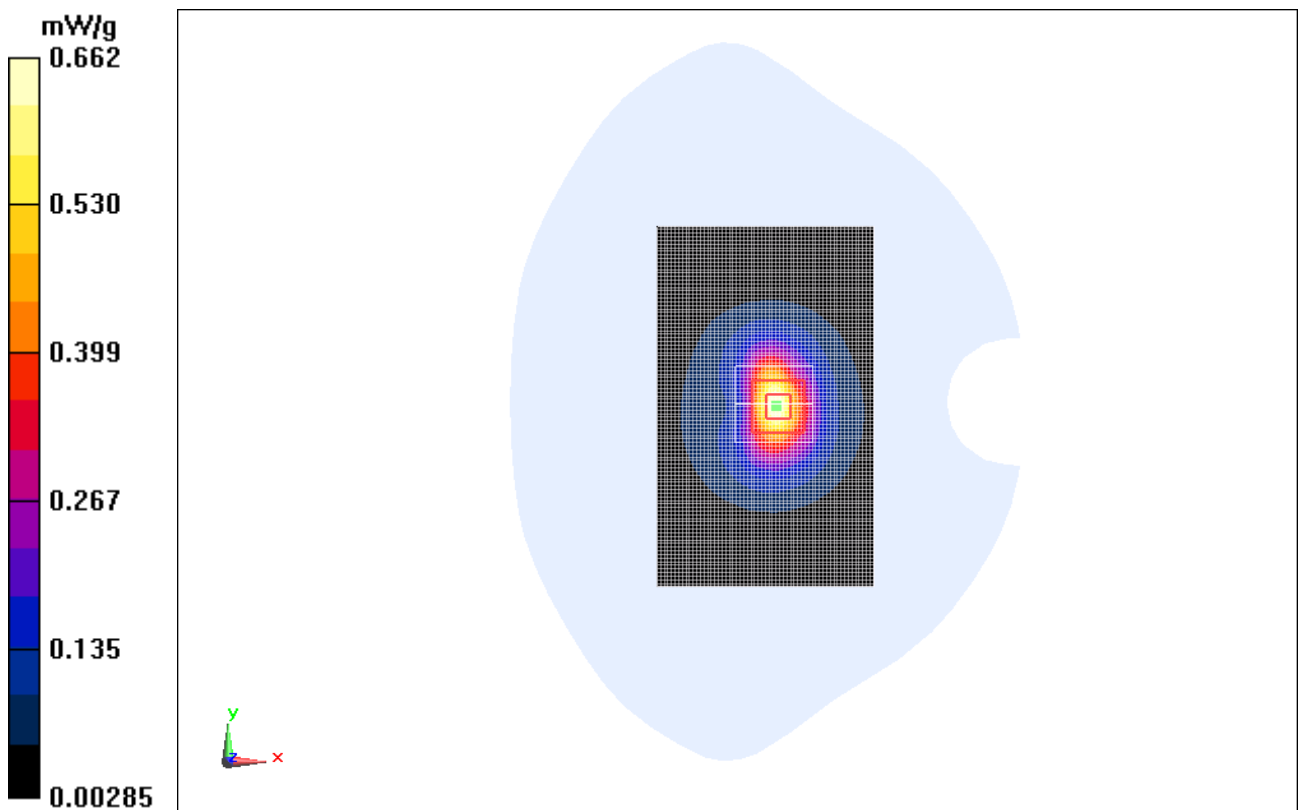


Fig. 74 1900 MHz CH661

### WCDMA850 Body Towards Phantom High

Date/Time: 2011-3-24 17:40:55

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 846.6 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 0.946 mW/g

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

Reference Value = 30.2 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.659 mW/g**

Maximum value of SAR (measured) = 0.935 mW/g

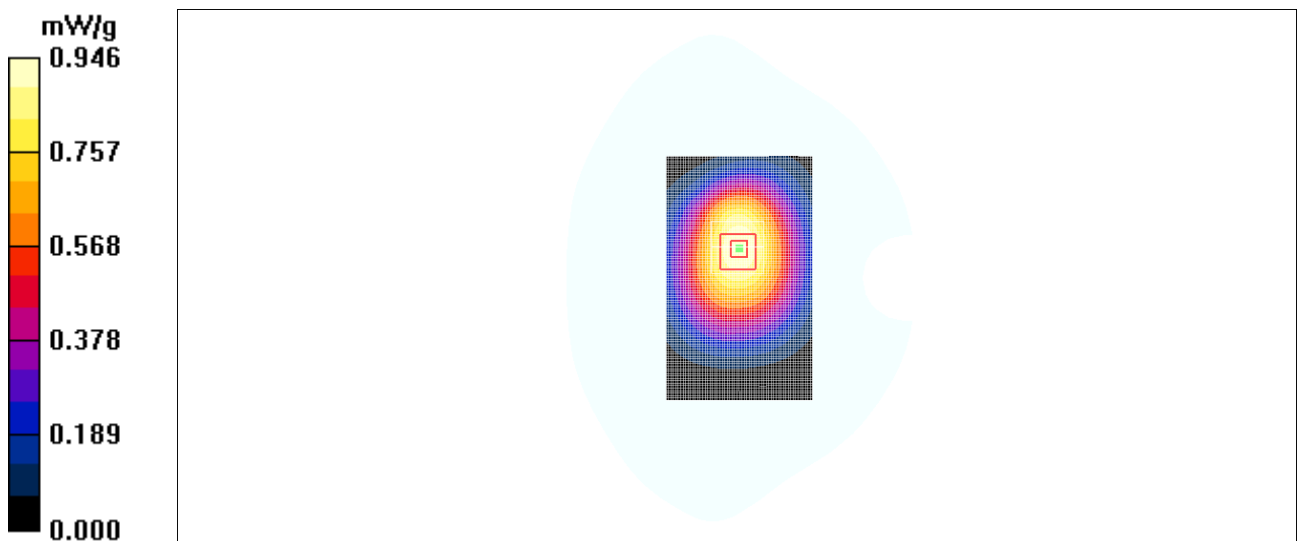


Fig. 75 850 MHz CH4233

**WCDMA 850 Body Towards Phantom Middle**

Date/Time: 2011-3-24 17:58:55

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 836.4 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 0.900 mW/g

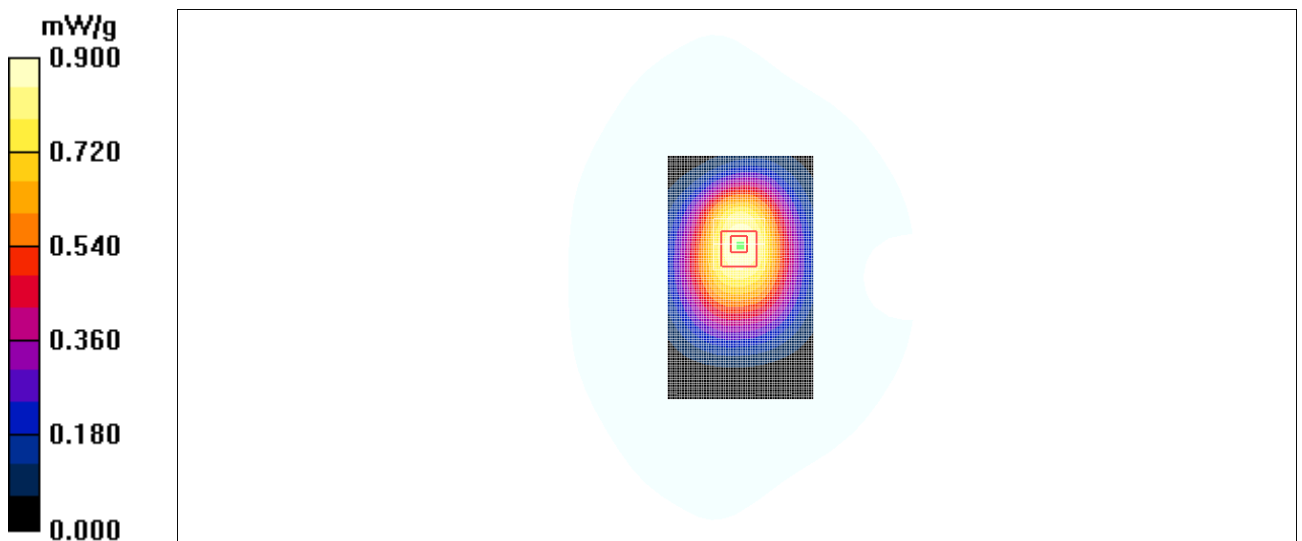
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.4 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.632 mW/g**

Maximum value of SAR (measured) = 0.906 mW/g



**Fig. 76 850 MHz CH4182**

**WCDMA 850 Body Towards Phantom Low**

Date/Time: 2011-3-24 18:15:37

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 826.4 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 0.843 mW/g

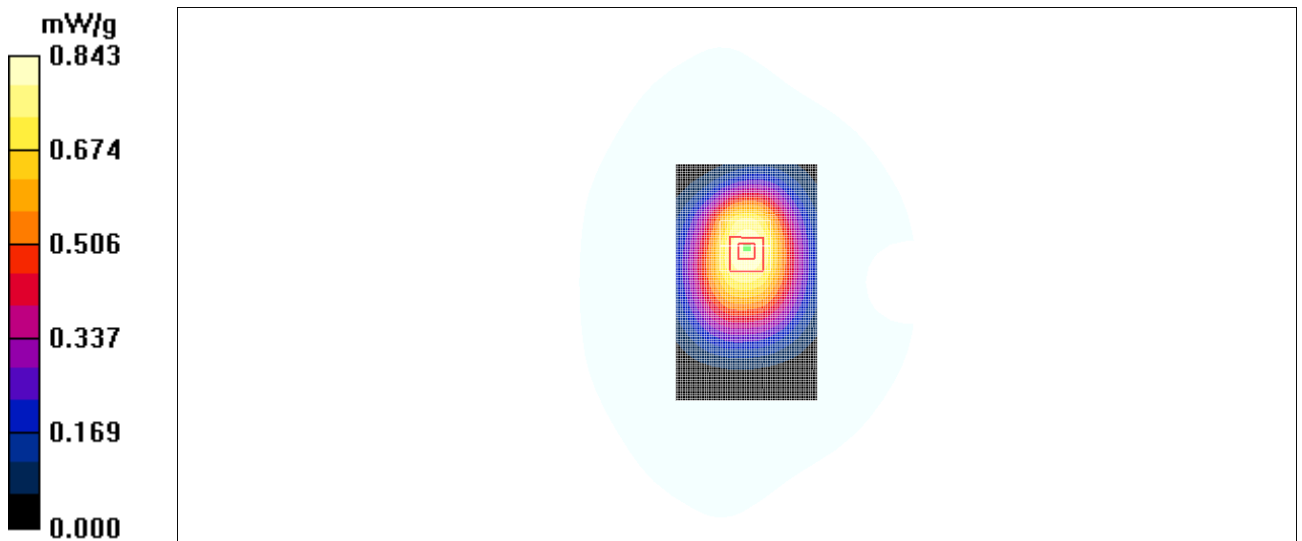
**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.6 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.595 mW/g**

Maximum value of SAR (measured) = 0.837 mW/g



**Fig. 77 850 MHz CH4132**

### WCDMA 850 Body Towards Ground High

Date/Time: 2011-3-24 18:32:59

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 846.6 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 1.14 mW/g

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

Reference Value = 31.8 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.773 mW/g**

Maximum value of SAR (measured) = 1.13 mW/g

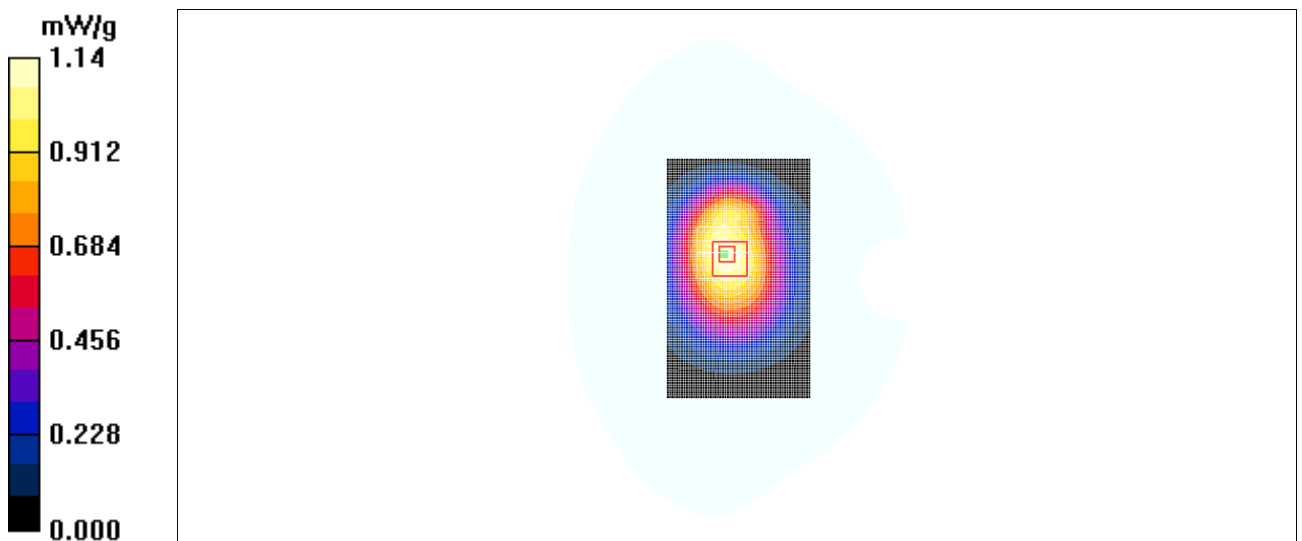
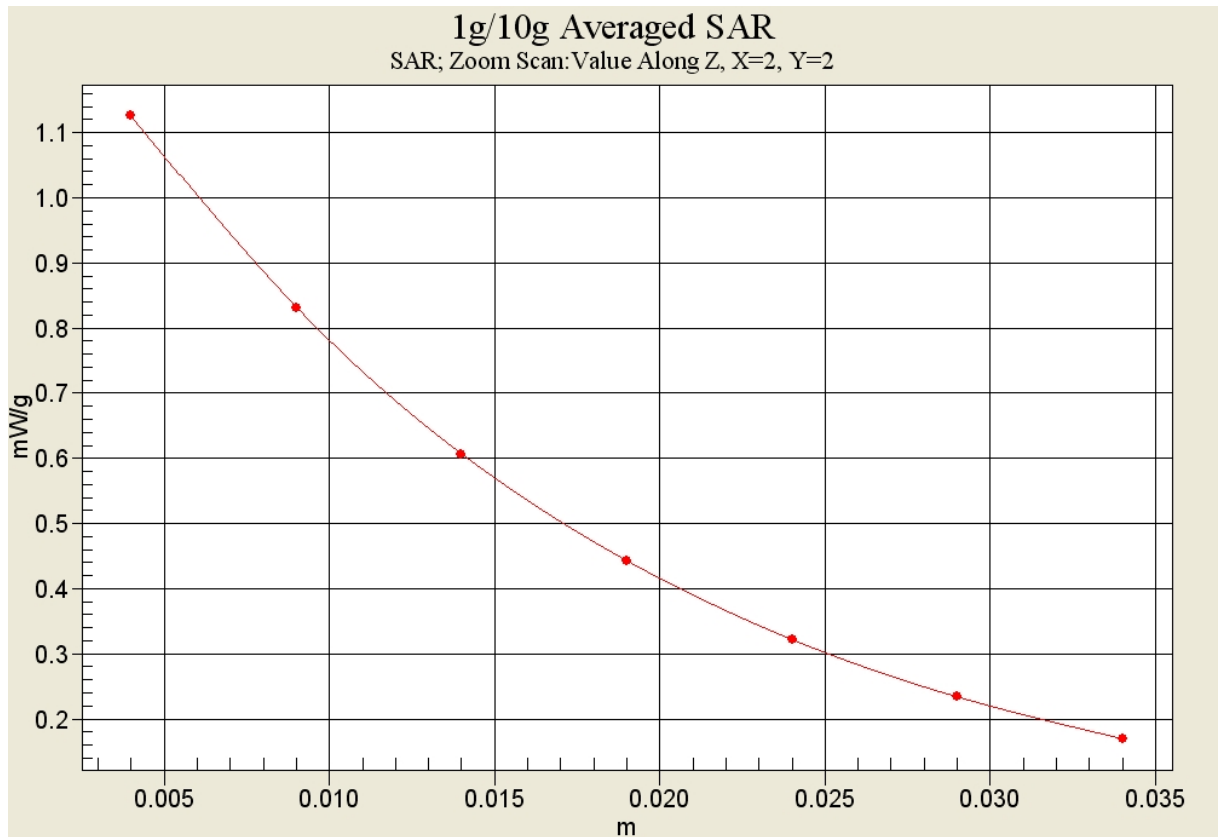


Fig. 78 850 MHz CH4233



**Fig. 78-1 Z-Scan at power reference point (850 MHz CH4233)**

### WCDMA 850 Body Towards Ground Middle

Date/Time: 2011-3-24 18:49:18

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 836.4 MHz Duty Cycle: 1:1

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

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

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

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

Reference Value = 31.0 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.745 mW/g**

Maximum value of SAR (measured) = 1.09 mW/g

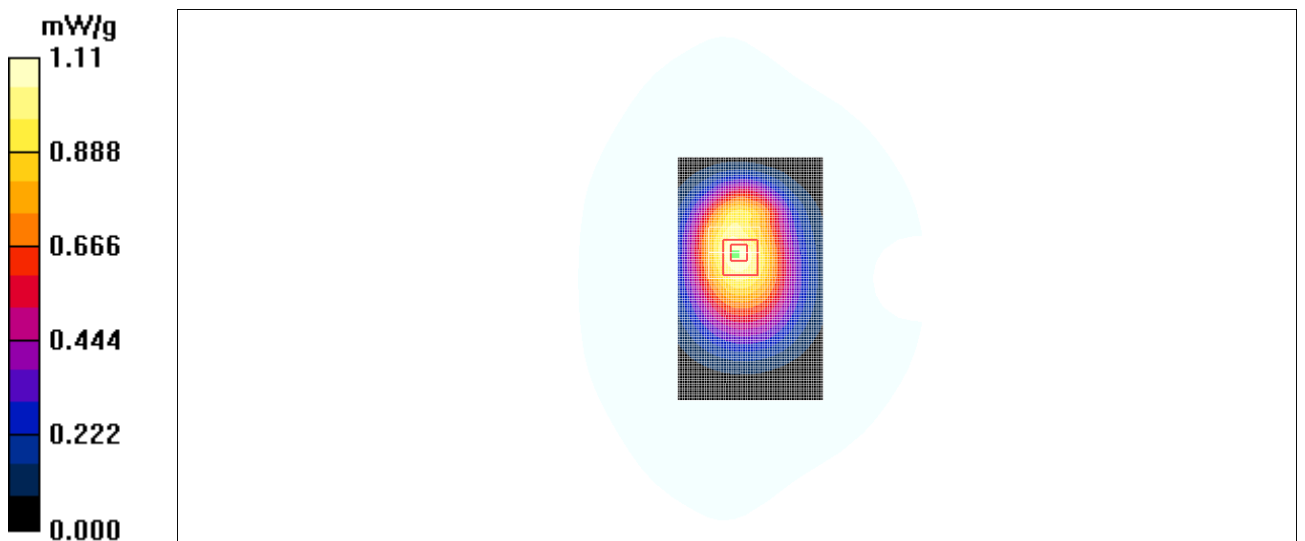


Fig. 79 850 MHz CH4182



**WCDMA 850 Body Towards Ground Low**

Date/Time: 2011-3-24 19:06:41

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 826.4 MHz Duty Cycle: 1:1

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) = 1.05 mW/g

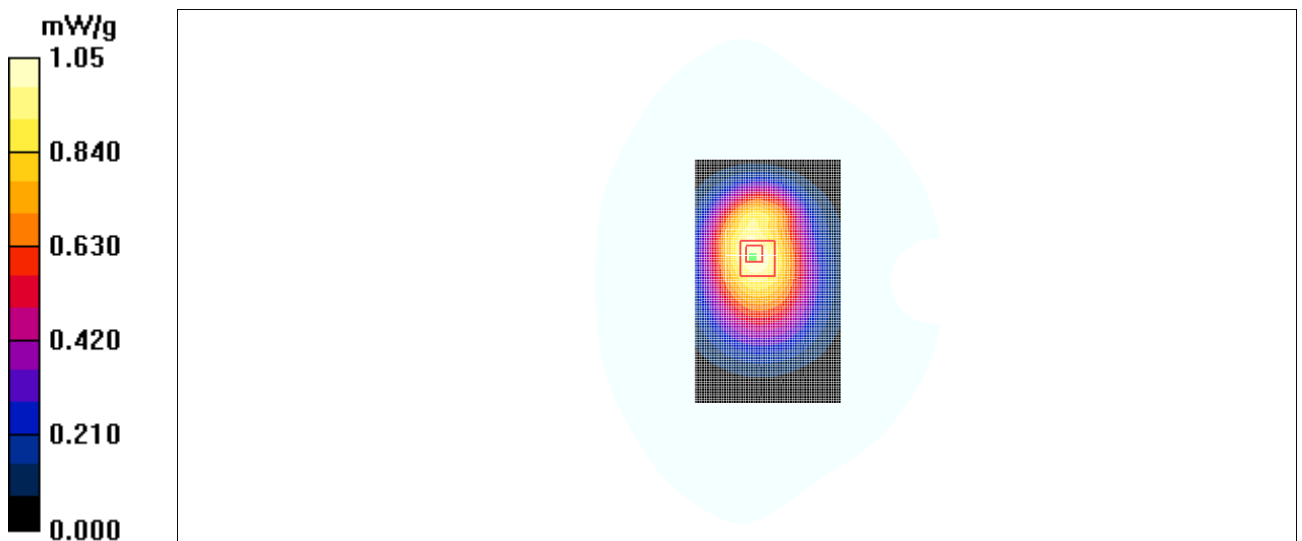
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.2 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.713 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g



**Fig. 80 850 MHz CH4132**

**WCDMA 850 Body Left Side Low**

Date/Time: 2011-3-24 18:32:59

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 826.4 MHz Duty Cycle: 1:1

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

**Left Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.775 mW/g

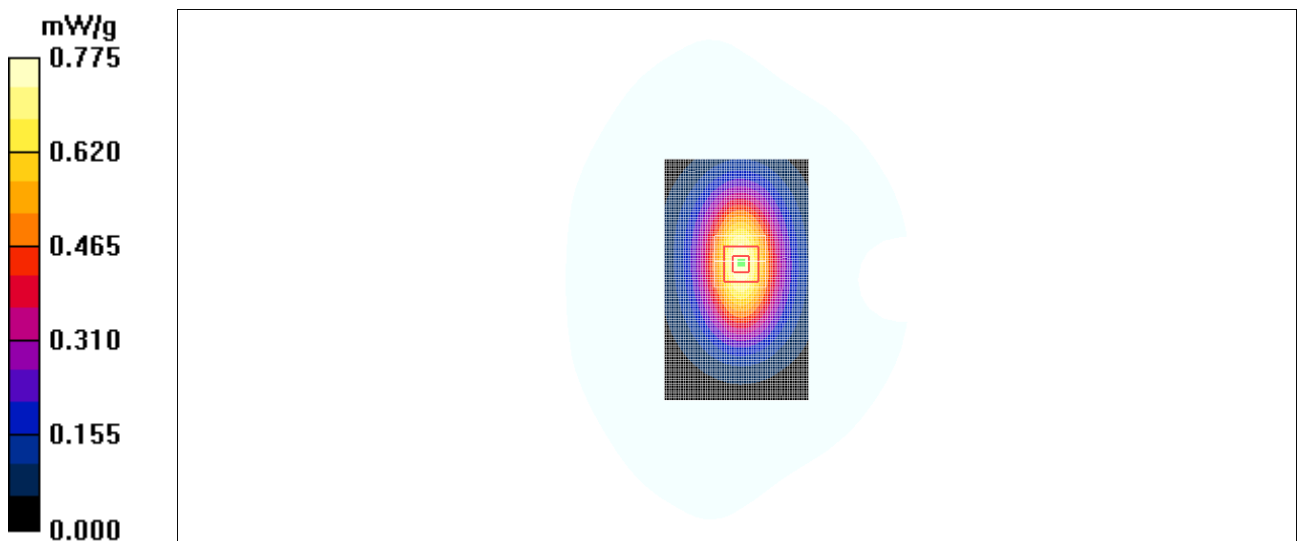
**Left Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.2 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.489 mW/g**

Maximum value of SAR (measured) = 0.776 mW/g



**Fig. 81 850 MHz CH4132**

**WCDMA 850 Body Right Side Low**

Date/Time: 2011-3-24 18:32:59

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 826.4 MHz Duty Cycle: 1:1

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

**Right Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.795 mW/g

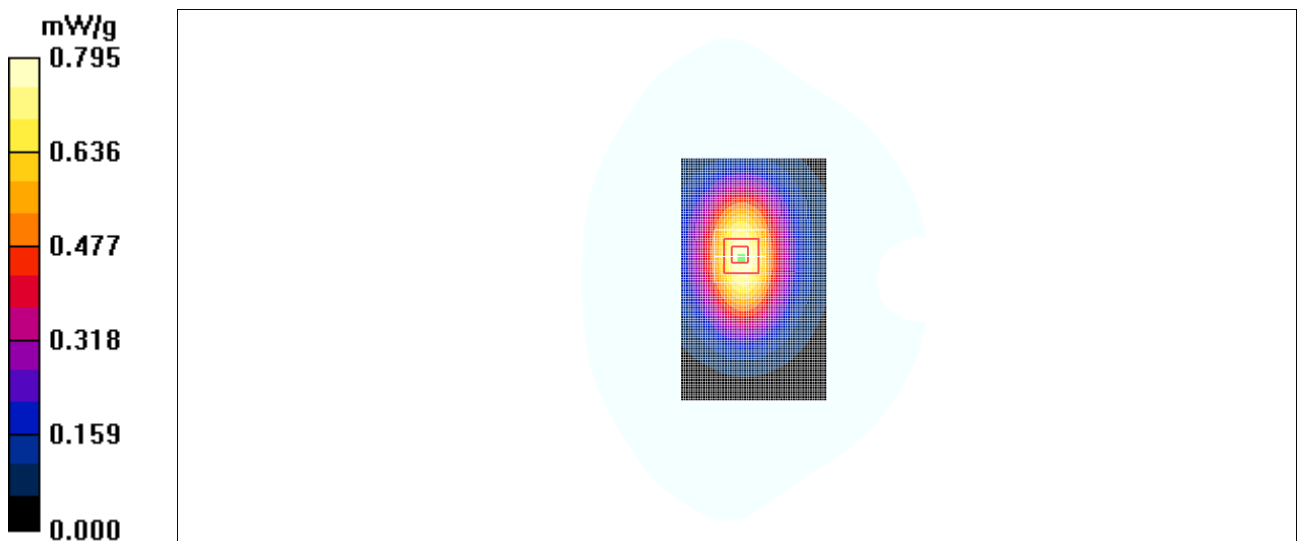
**Right Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.9 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.507 mW/g**

Maximum value of SAR (measured) = 0.779 mW/g



**Fig. 82 850 MHz CH4132**

**WCDMA 850 Body Bottom Side Low**

Date/Time: 2011-3-24 18:32:59

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 826.4 MHz Duty Cycle: 1:1

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

**Bottom Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.097 mW/g

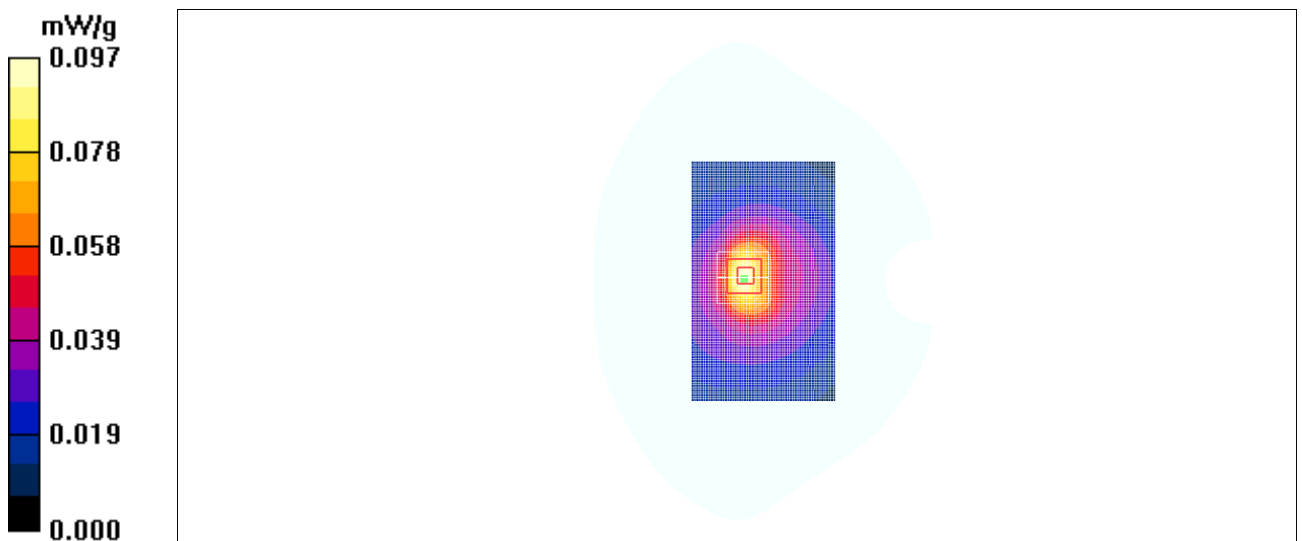
**Bottom Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.37 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.168 W/kg

**SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.052 mW/g**

Maximum value of SAR (measured) = 0.098 mW/g



**Fig. 83 850 MHz CH4132**

**WCDMA 850 Body Towards Ground High with Headset\_CCB3160A10C0**

Date/Time: 2011-3-24 18:32:59

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 846.6 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 0.738 mW/g

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

Reference Value = 25.0 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.970 W/kg

**SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.511 mW/g**

Maximum value of SAR (measured) = 0.754 mW/g

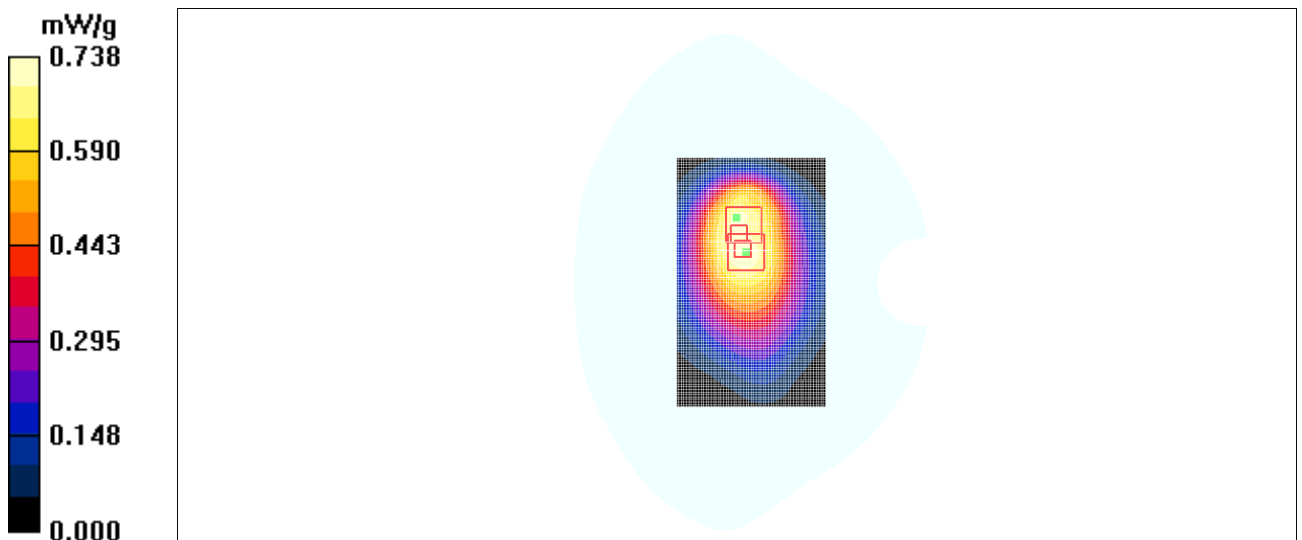
**Toward Ground High/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.0 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.967 W/kg

**SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.455 mW/g**

Maximum value of SAR (measured) = 0.746 mW/g



**Fig. 84 850 MHz CH4233**

**WCDMA 850 Body Towards Ground High with Headset\_CCB3160A10C2**

Date/Time: 2011-3-24 18:32:59

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 850 Frequency: 846.6 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 0.810 mW/g

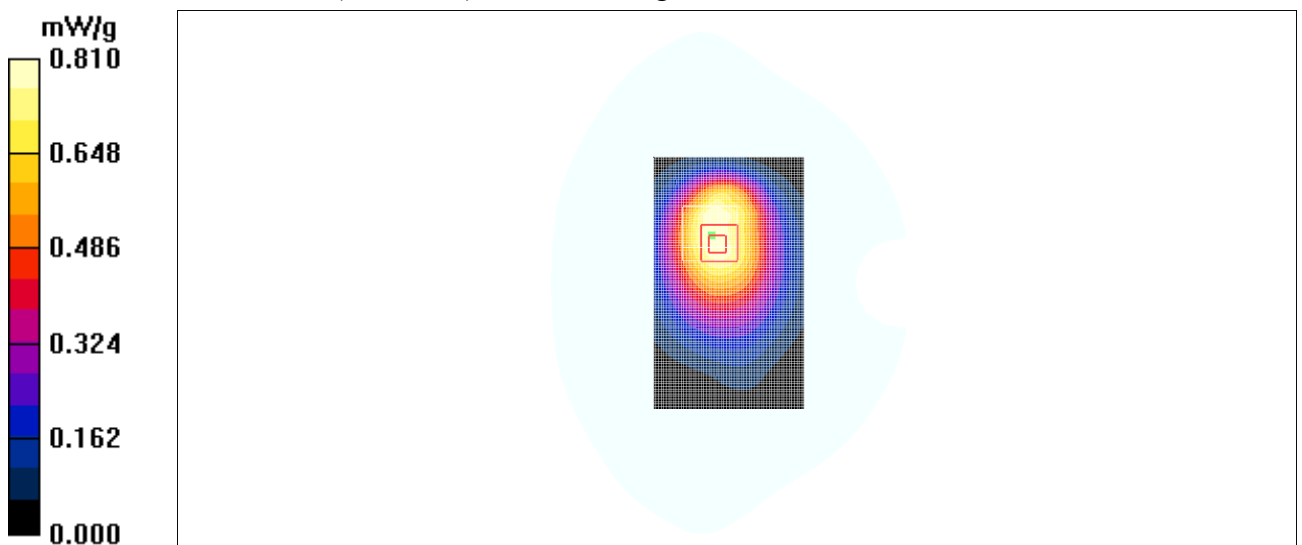
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.3 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.530 mW/g**

Maximum value of SAR (measured) = 0.794 mW/g



**Fig. 85 850 MHz CH4233**

### WCDMA 1900 Body Towards Phantom High

Date/Time: 2011-5-13 17:35:02

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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

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

Maximum value of SAR (interpolated) = 0.779 mW/g

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

Reference Value = 10.4 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.410 mW/g**

Maximum value of SAR (measured) = 0.737 mW/g



Fig. 86 1900 MHz CH9538

### WCDMA 1900 Body Towards Ground High

Date/Time: 2011-5-13 17:50:23

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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) = 0.814 mW/g

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

Reference Value = 10.6 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.431 mW/g**

Maximum value of SAR (measured) = 0.788 mW/g

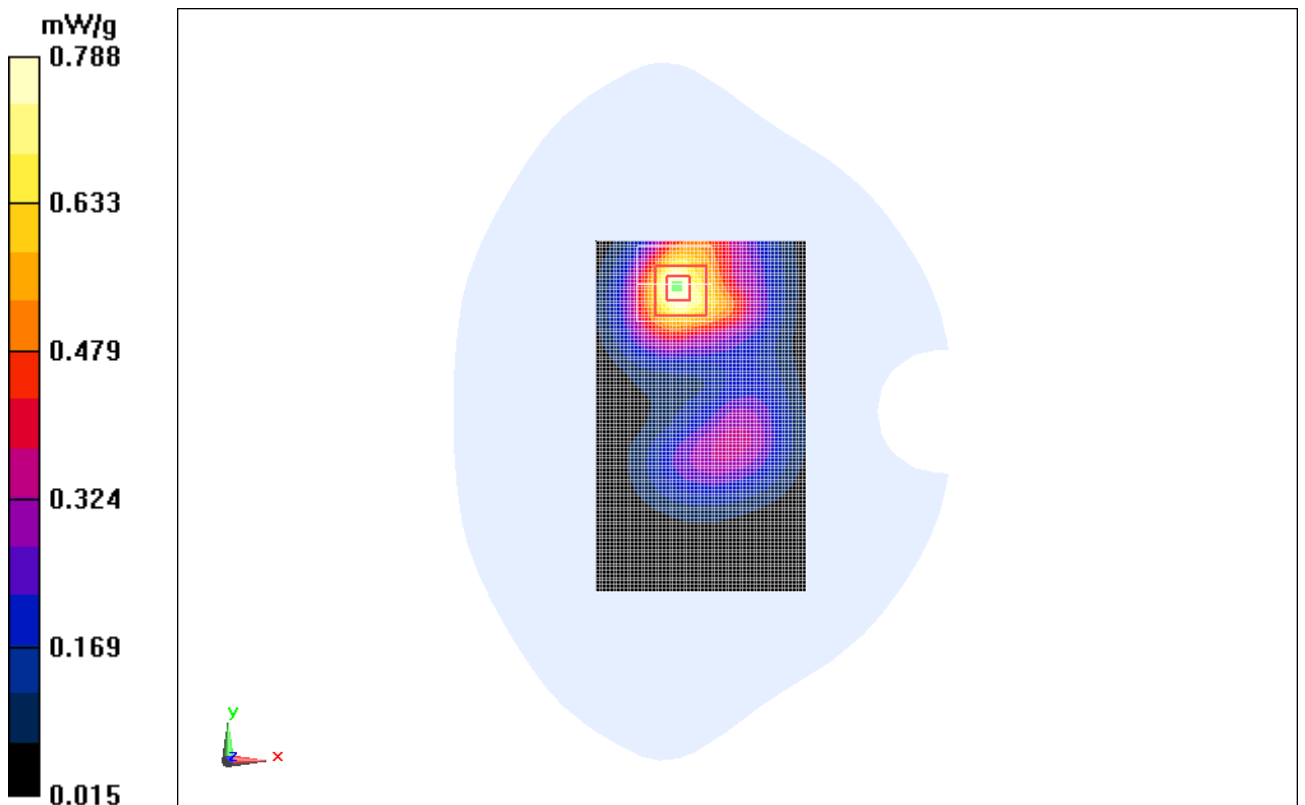


Fig. 87 1900 MHz CH9538



### WCDMA 1900 Body Left Side High

Date/Time: 2011-5-13 18:05:59

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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

**Left Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.149 mW/g

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

Reference Value = 7.32 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.217 W/kg

**SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.080 mW/g**

Maximum value of SAR (measured) = 0.144 mW/g

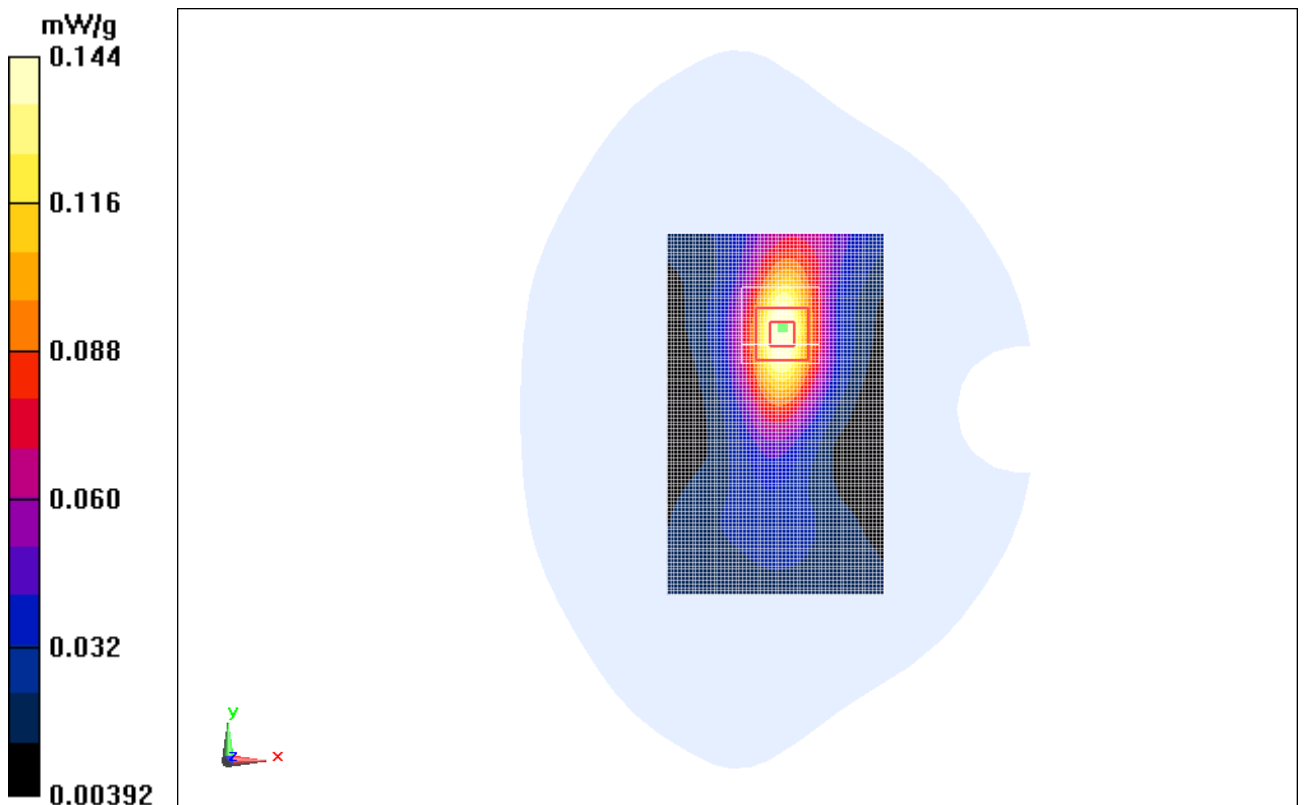


Fig. 88 1900 MHz CH9538

**WCDMA 1900 Body Right Side High**

Date/Time: 2011-5-13 18:21:26

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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

**Right Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.292 mW/g

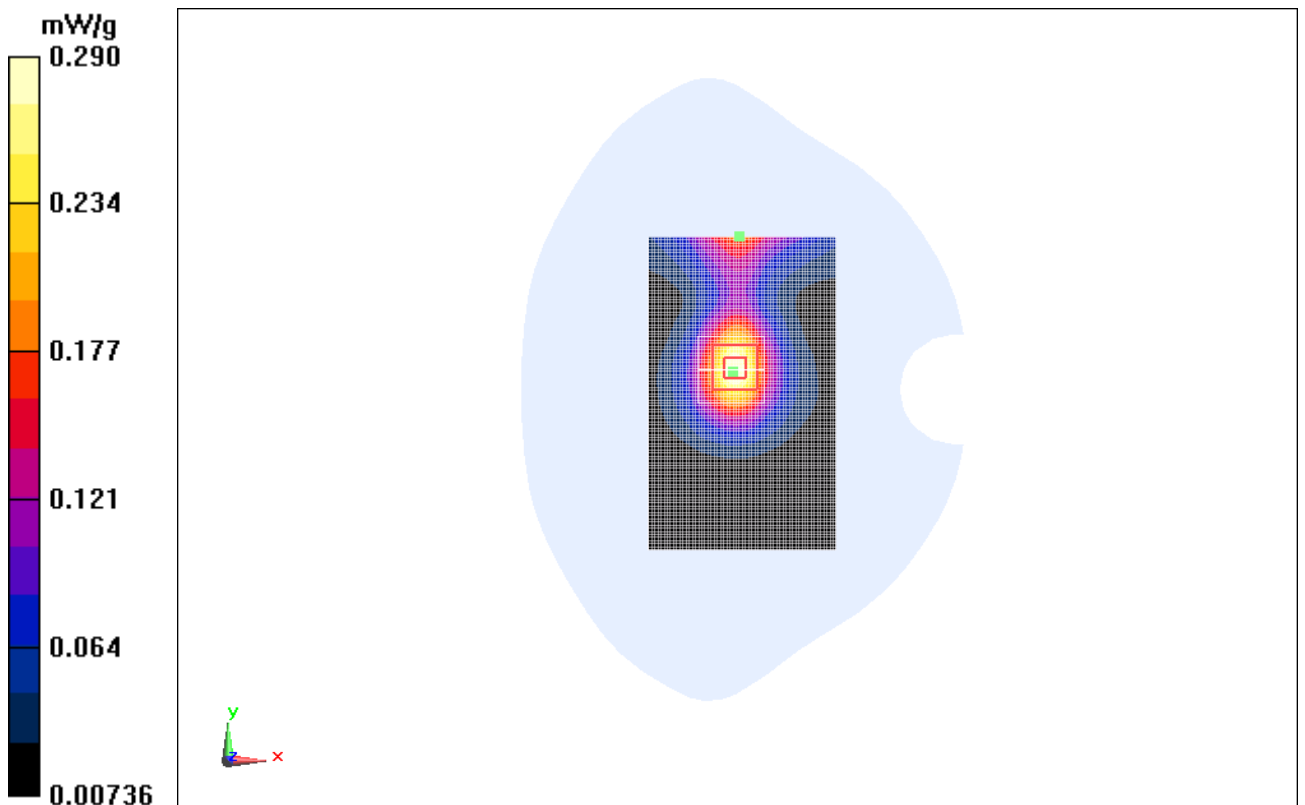
**Right Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.433 W/kg

**SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.158 mW/g**

Maximum value of SAR (measured) = 0.290 mW/g



**Fig. 89 1900 MHz CH9538**

**WCDMA 1900 Body Bottom Side High**

Date/Time: 2011-5-13 18:36:51

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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

**Bottom Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.26 mW/g

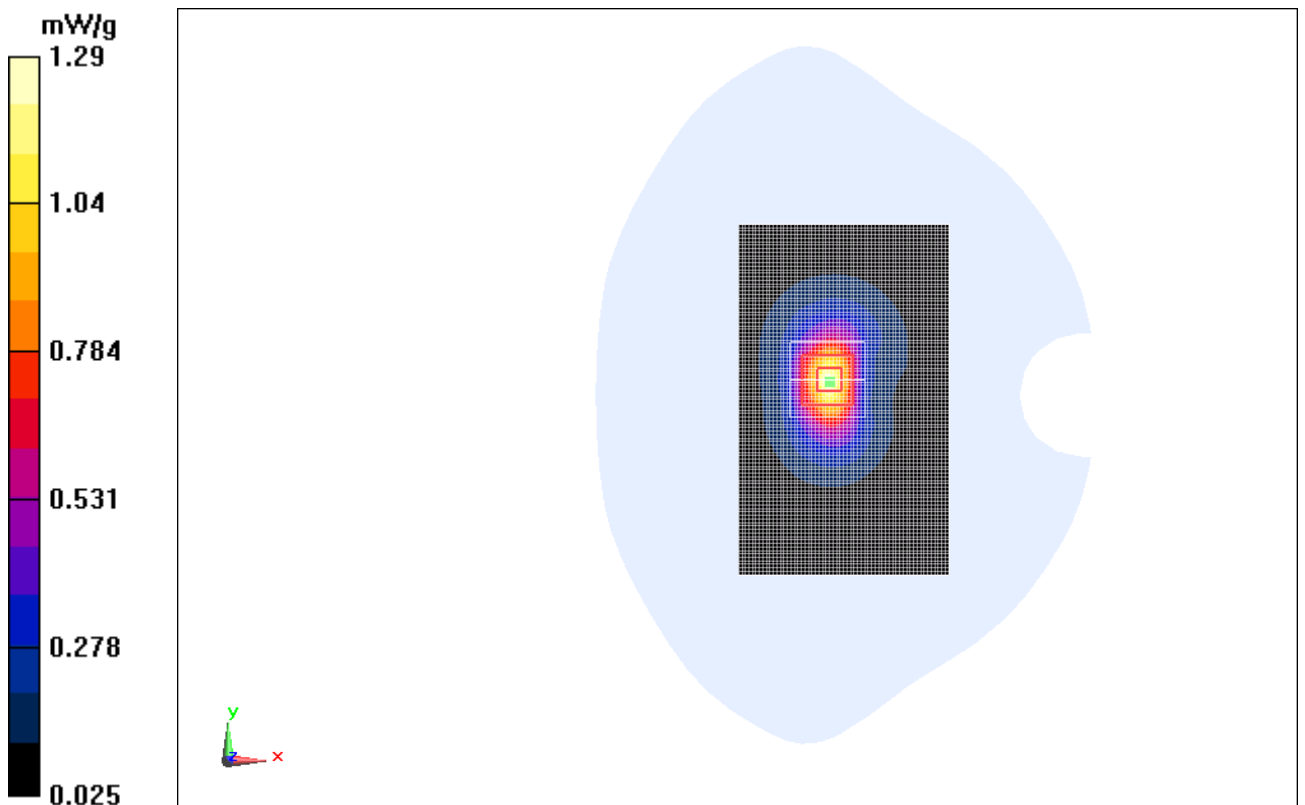
**Bottom Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 1.99 W/kg

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.589 mW/g**

Maximum value of SAR (measured) = 1.29 mW/g



**Fig. 90 1900 MHz CH9538**

**WCDMA 1900 Body Bottom Side Middle**

Date/Time: 2011-5-13 18:52:17

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

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

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.41 mW/g

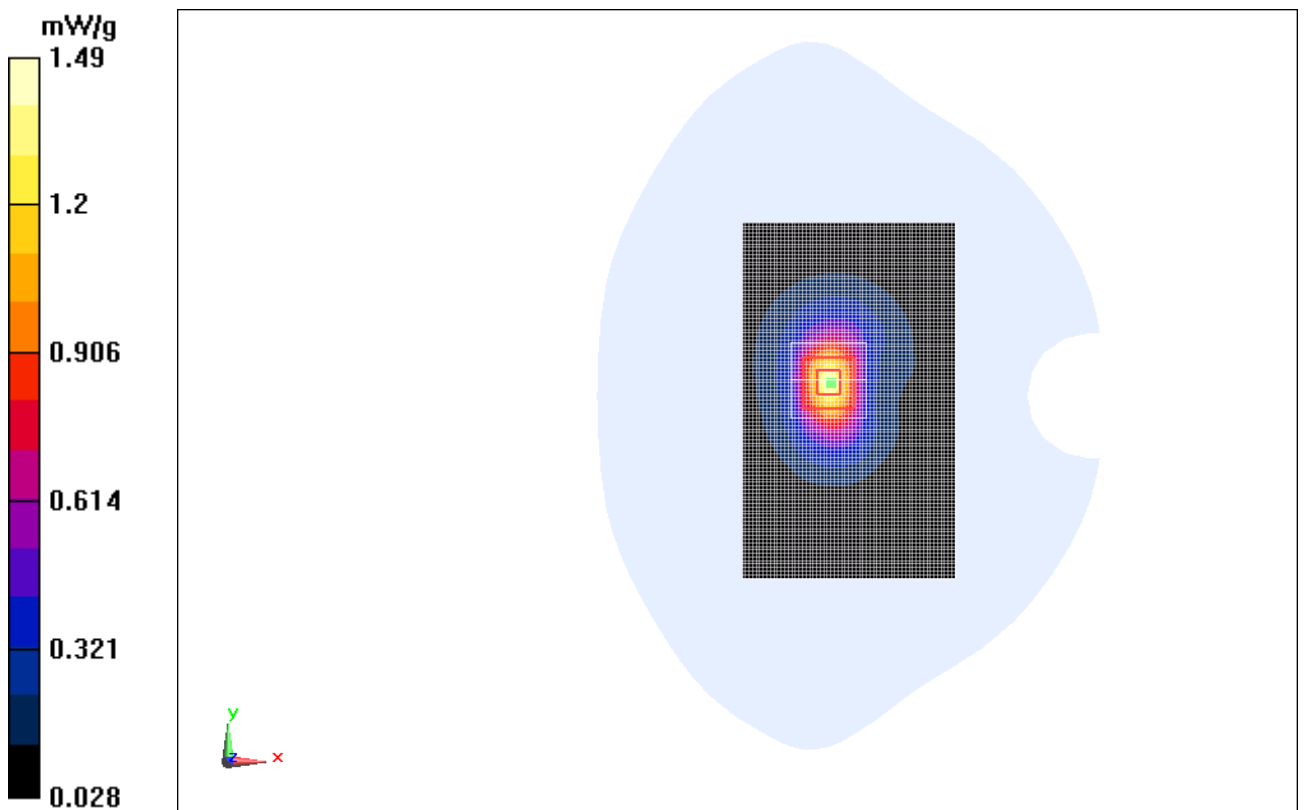
**Bottom Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.5 V/m; Power Drift = 0.026 dB

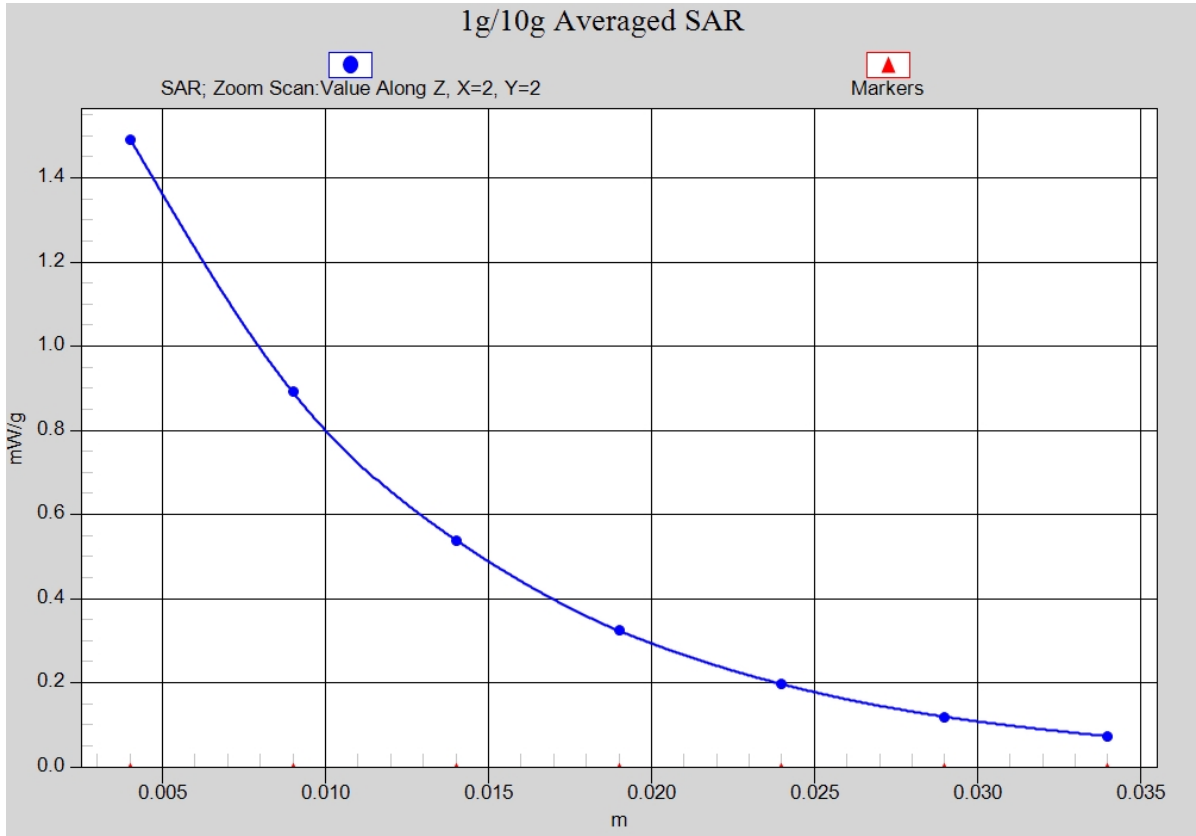
Peak SAR (extrapolated) = 2.27 W/kg

**SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.690 mW/g**

Maximum value of SAR (measured) = 1.49 mW/g



**Fig. 91 1900 MHz CH9400**



**Fig. 91-1 Z-Scan at power reference point (1900 MHz CH9400)**

**WCDMA 1900 Body Bottom Side Low**

Date/Time: 2011-5-13 19:07:40

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1852.4 MHz Duty Cycle: 1:1

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

**Bottom Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.14 mW/g

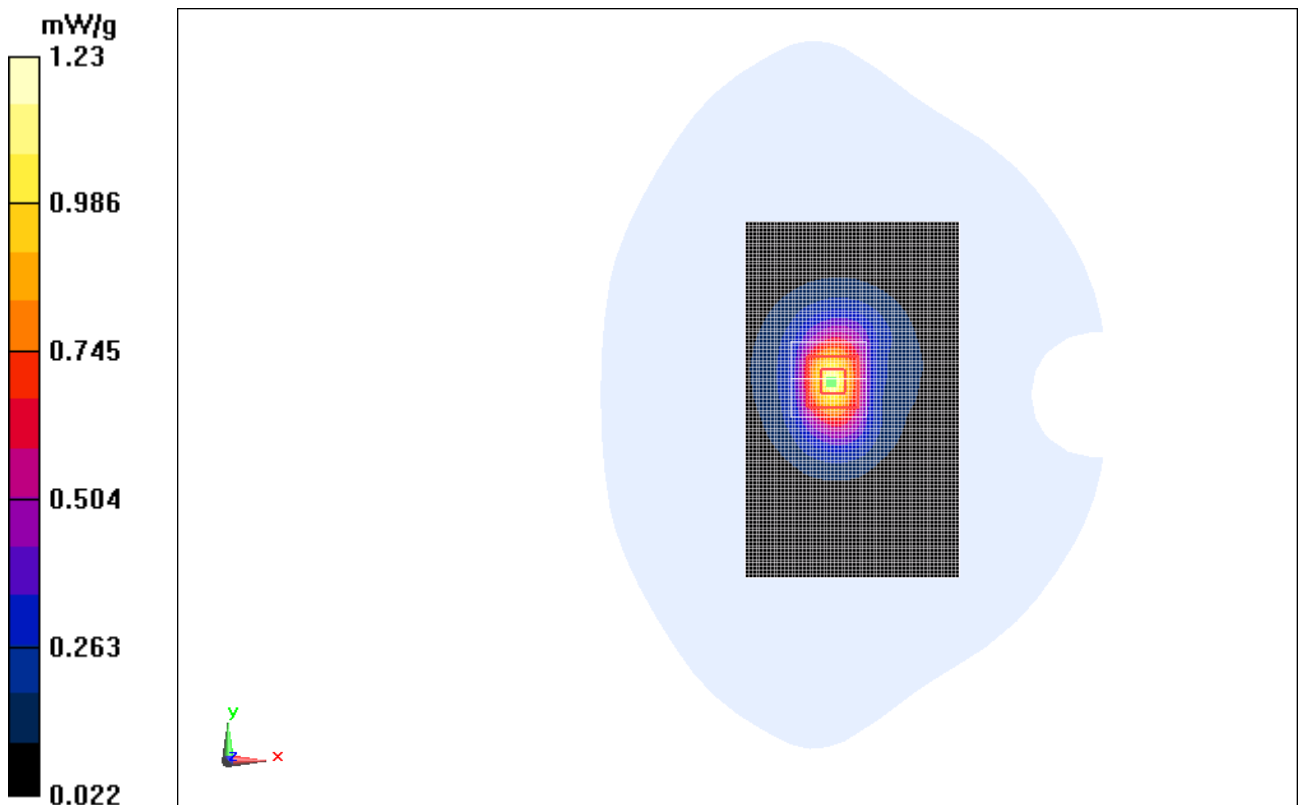
**Bottom Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.2 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.580 mW/g**

Maximum value of SAR (measured) = 1.23 mW/g



**Fig. 92 1900 MHz CH9262**

**WCDMA 1900 Body Bottom Side Middle with Headset\_CCB3160A10C0**

Date/Time: 2011-5-13 19:24:33

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

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

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.958 mW/g

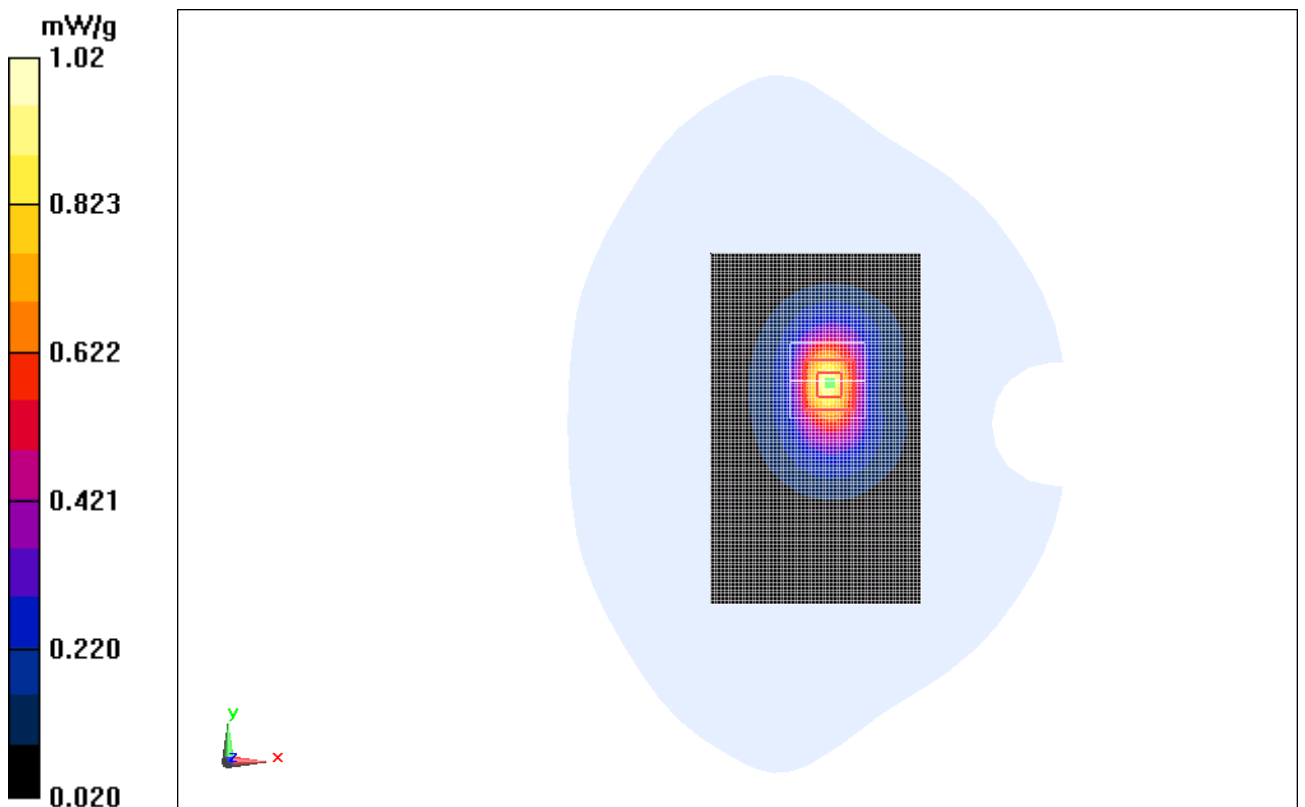
**Bottom Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.488 mW/g**

Maximum value of SAR (measured) = 1.02 mW/g



**Fig. 93 1900 MHz CH9400**

**WCDMA 1900 Body Bottom Side Middle with Headset\_CCB3160A10C2**

Date/Time: 2011-5-13 19:40:38

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

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

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.2 mW/g

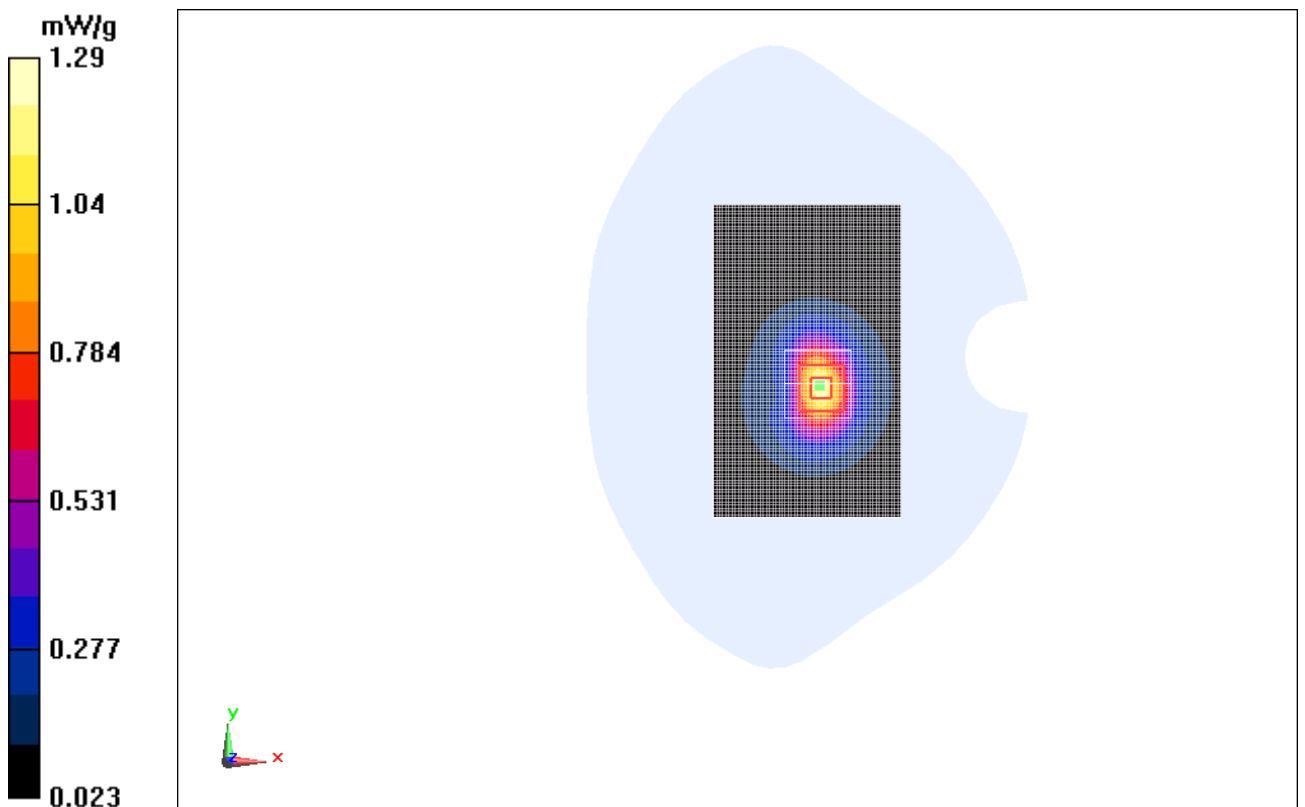
**Bottom Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.626 mW/g**

Maximum value of SAR (measured) = 1.29 mW/g



**Fig. 94 1900 MHz CH9400**



**WCDMA 1900 Body Bottom Side Middle with HSDPA**

Date/Time: 2011-5-13 19:57:20

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

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

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.30 mW/g

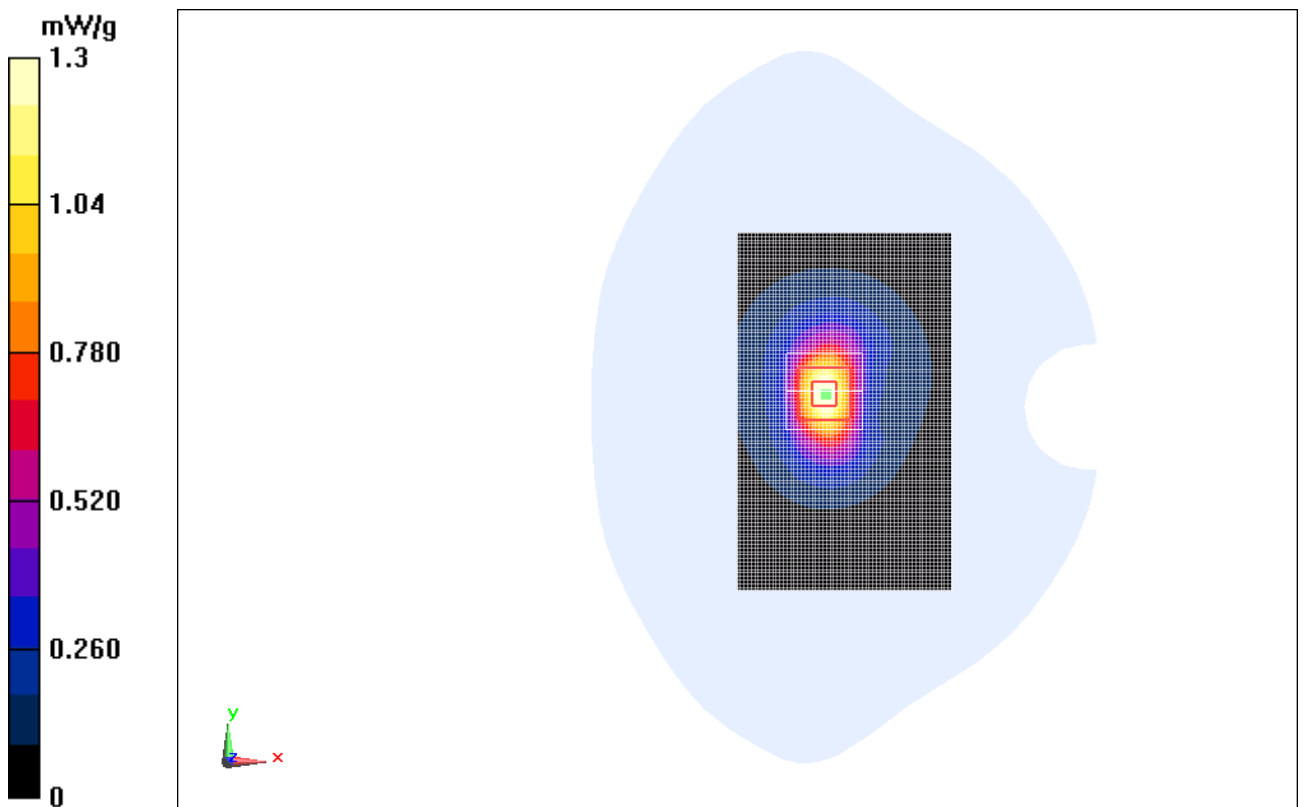
**Bottom Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = 0.103 dB

Peak SAR (extrapolated) = 2.08 W/kg

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.591 mW/g**

Maximum value of SAR (measured) = 1.29 mW/g



**Fig. 95 1900 MHz CH9400**

**WiFi 802.11b 1Mbps Left Cheek Channel 11**

Date/Time: 2011-5-14 8:15:10

Electronics: DAE4 Sn771

Medium: Head 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

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

Maximum value of SAR (interpolated) = 0.342 mW/g

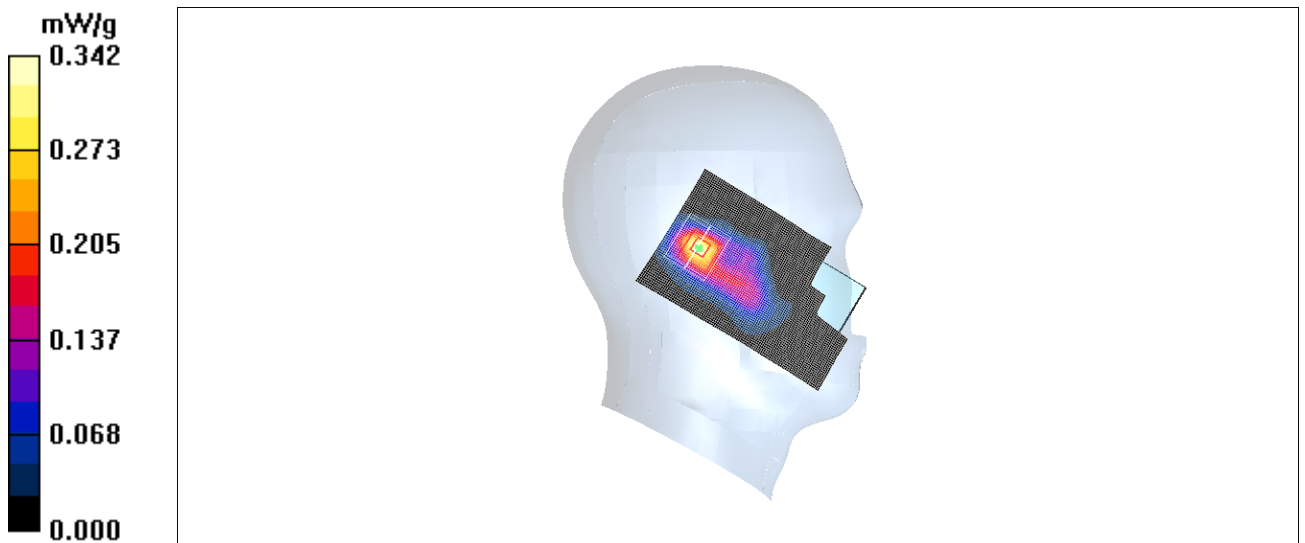
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.135 dB

Peak SAR (extrapolated) = 0.679 W/kg

**SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.144 mW/g**

Maximum value of SAR (measured) = 0.340 mW/g



**Fig.96 802.11b 1Mbps CH11**

**WiFi 802.11b 1Mbps Left Tilt Channel 11**

Date/Time: 2011-5-14 8:29:31

Electronics: DAE4 Sn771

Medium: Head 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

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

Maximum value of SAR (interpolated) = 0.280 mW/g

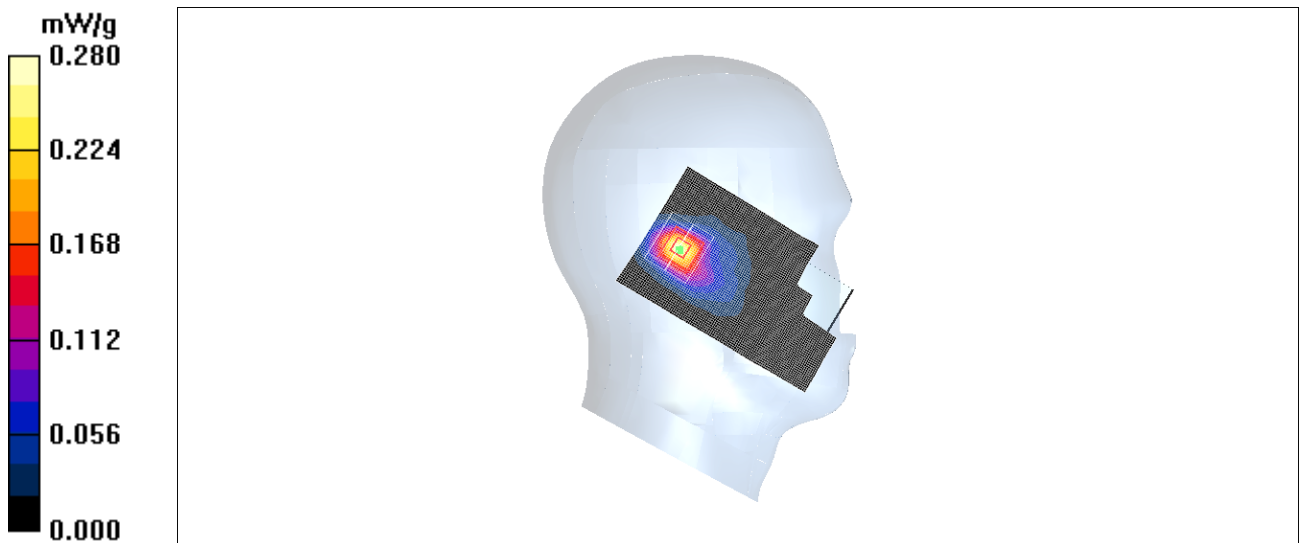
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.507 W/kg

**SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.116 mW/g**

Maximum value of SAR (measured) = 0.264 mW/g



**Fig.97 802.11b 1Mbps CH11**

**WiFi 802.11b 1Mbps Right Cheek Channel 11**

Date/Time: 2011-5-14 8:44:09

Electronics: DAE4 Sn771

Medium: Head 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

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

Maximum value of SAR (interpolated) = 0.631 mW/g

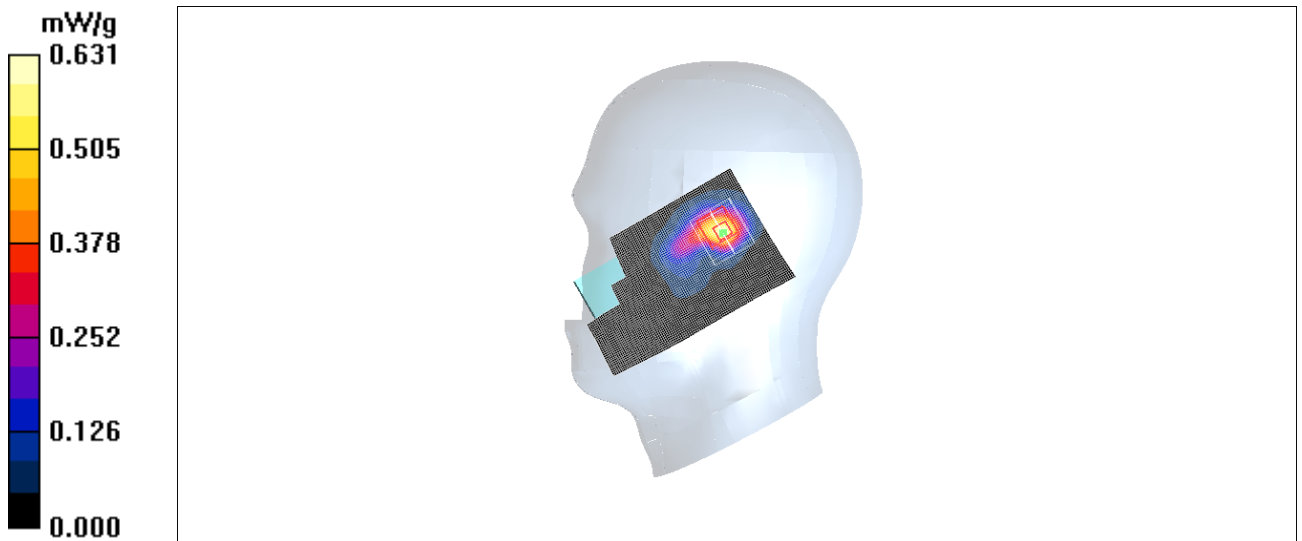
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = 0.050 dB

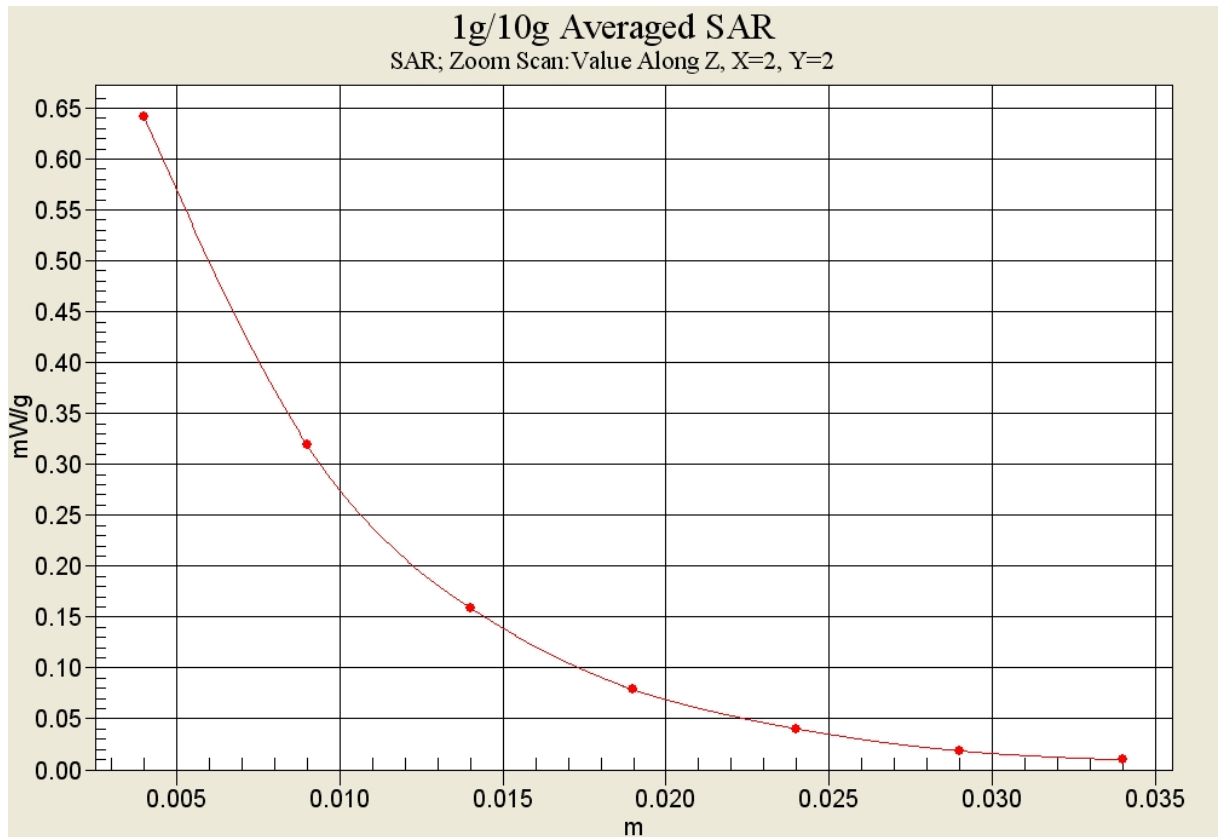
Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.268 mW/g**

Maximum value of SAR (measured) = 0.642 mW/g



**Fig.98 802.11b 1Mbps CH11**



**Fig. 97-1 Z-Scan at power reference point (802.11b 1Mbps CH11)**

**WiFi 802.11b 1Mbps Right Tilt Channel 11**

Date/Time: 2011-5-14 8:58:34

Electronics: DAE4 Sn771

Medium: Head 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

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

Maximum value of SAR (interpolated) = 0.465 mW/g

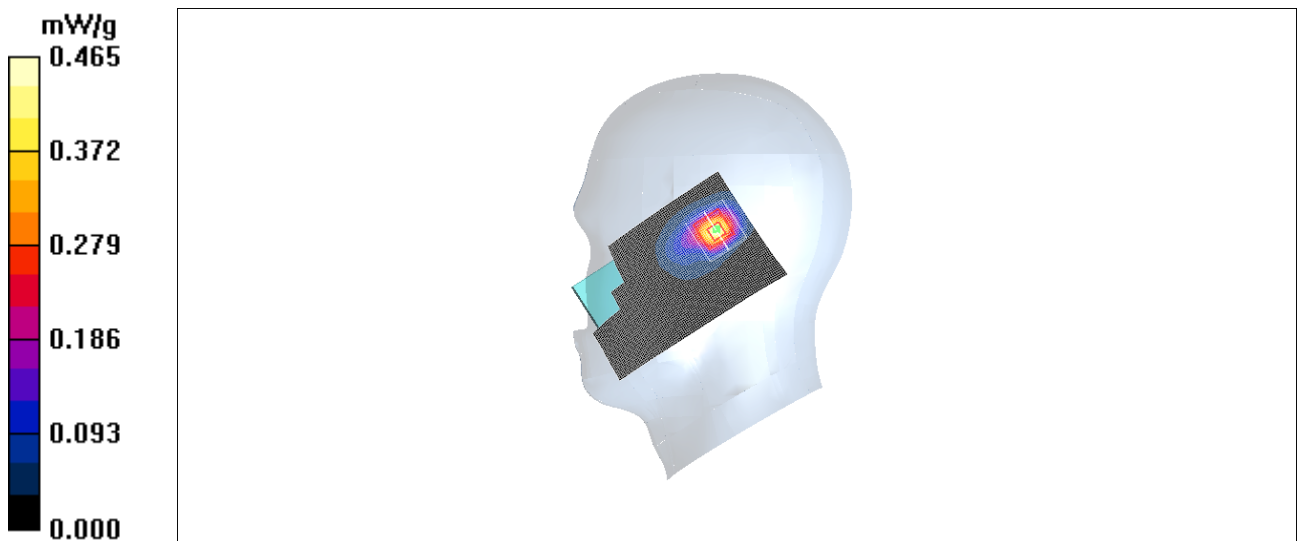
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = 0.151 dB

Peak SAR (extrapolated) = 0.766 W/kg

**SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.178 mW/g**

Maximum value of SAR (measured) = 0.418 mW/g



**Fig.99 802.11b 1Mbps CH11**

**WiFi 802.11b 1Mbps Toward Phantom Channel 11**

Date/Time: 2011-5-14 13:40:23

Electronics: DAE4 Sn771

Medium: Body 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

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

Maximum value of SAR (interpolated) = 0.154 mW/g

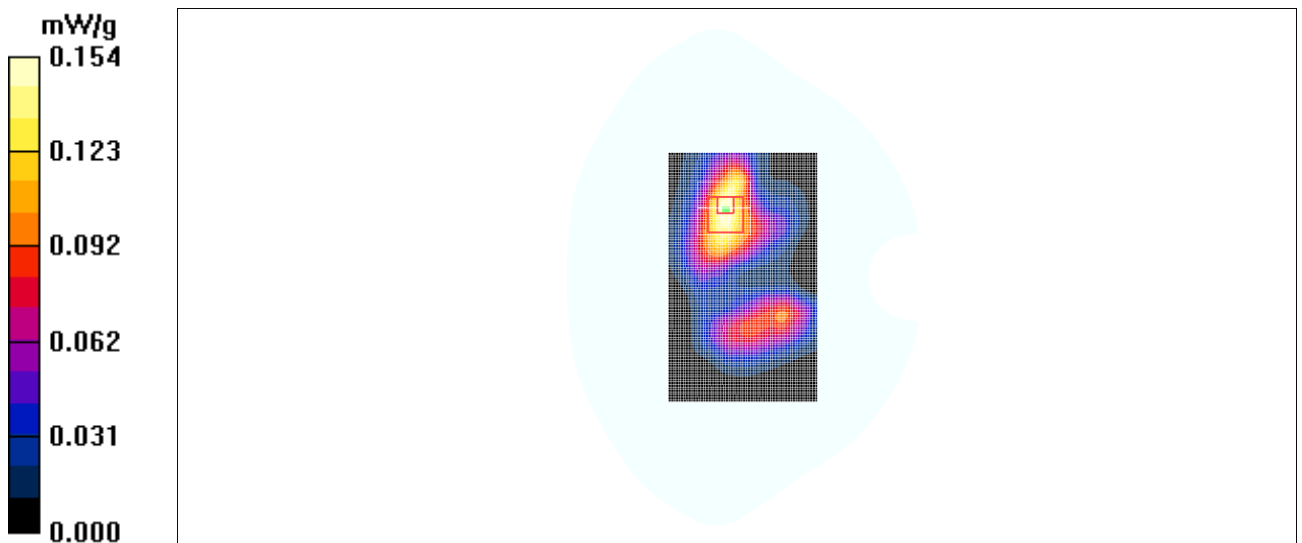
**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.87 V/m; Power Drift = 0.114 dB

Peak SAR (extrapolated) = 0.257 W/kg

**SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.151 mW/g



**Fig.100 802.11b 1Mbps CH11**

**WiFi 802.11b 1Mbps Toward Ground Channel 11**

Date/Time: 2011-5-14 13:56:17

Electronics: DAE4 Sn771

Medium: Body 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

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

Maximum value of SAR (interpolated) = 0.345 mW/g

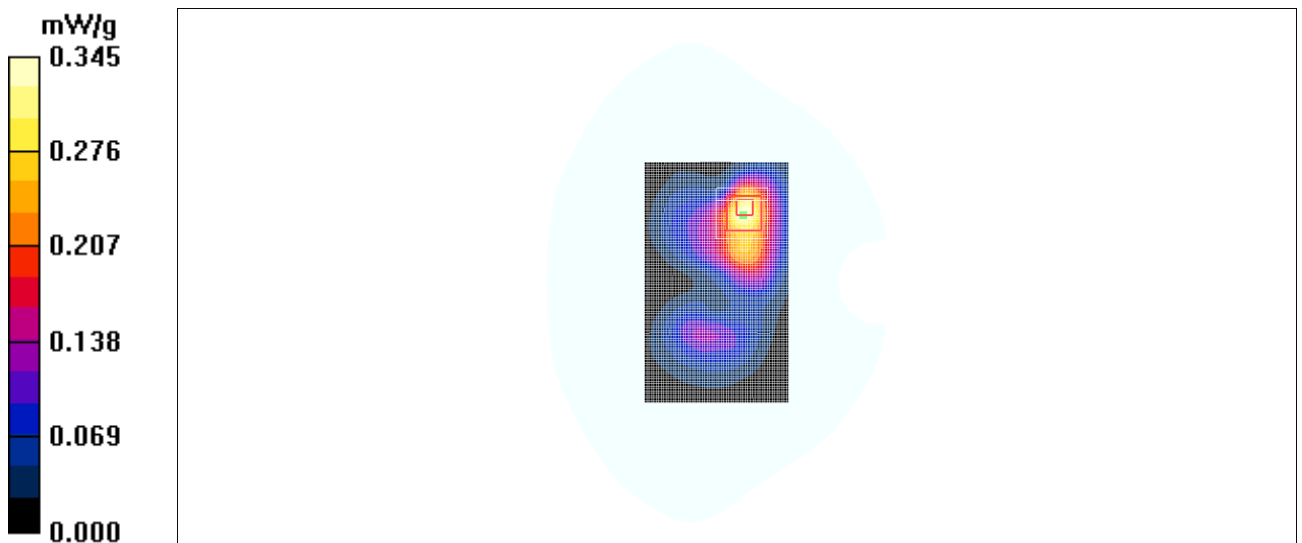
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.67 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.565 W/kg

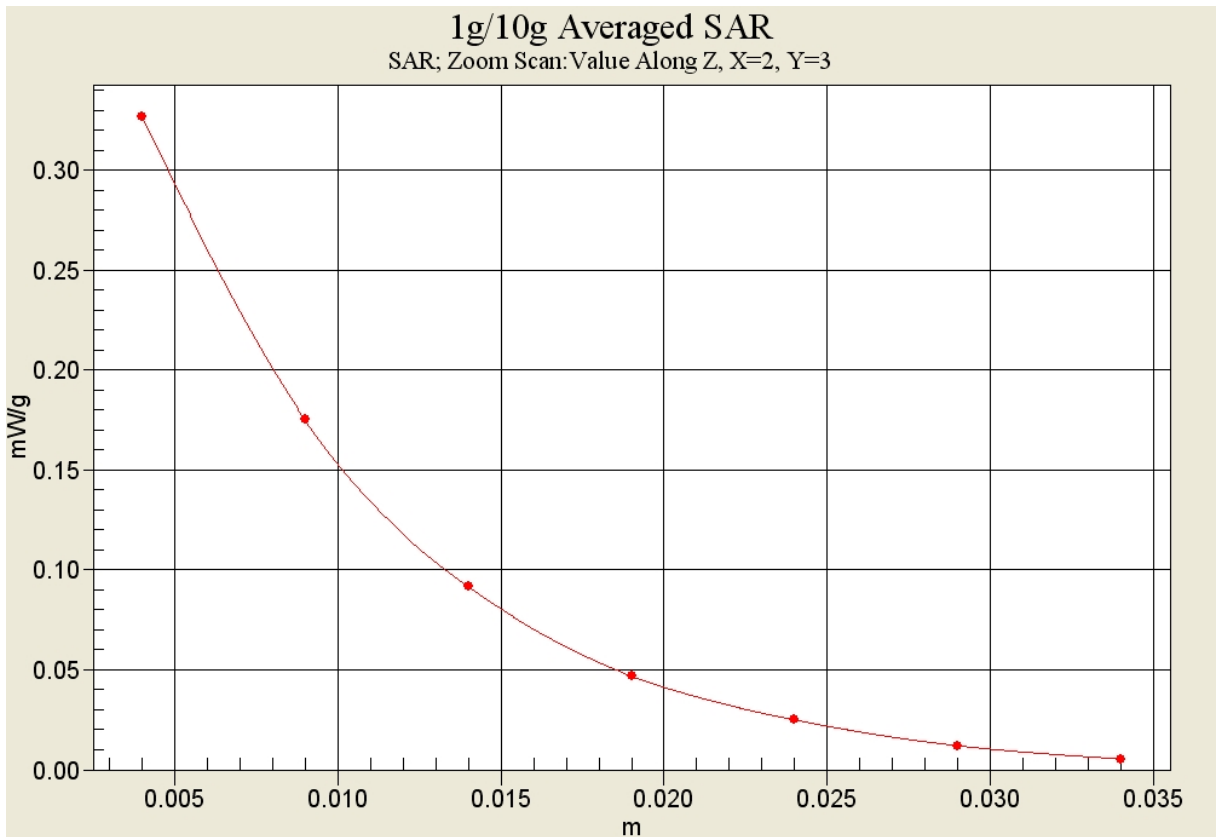
**SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.162 mW/g**

Maximum value of SAR (measured) = 0.327 mW/g



**Fig.101 802.11b 1Mbps CH11**





**Fig. 101-1 Z-Scan at power reference point (802.11b 1Mbps CH11)**

**WiFi 802.11b 1Mbps Left Side Channel 11**

Date/Time: 2011-5-14 14:12:30

Electronics: DAE4 Sn771

Medium: Body 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Left Side High/Area Scan (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.150 mW/g

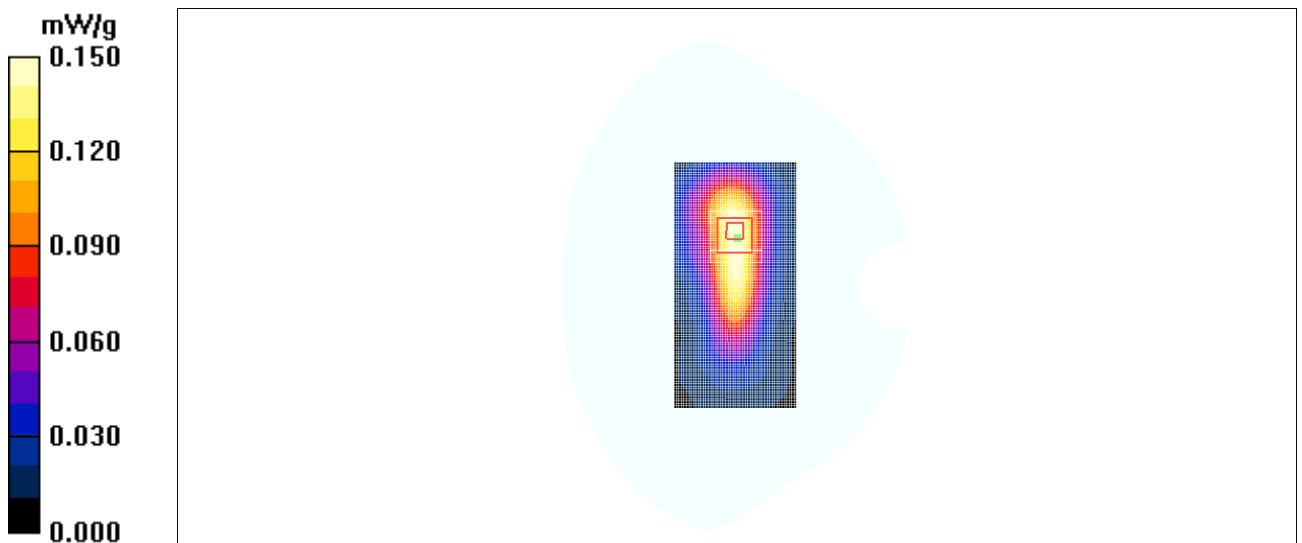
**Left Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.11 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.080 mW/g**

Maximum value of SAR (measured) = 0.152 mW/g



**Fig.102 802.11b 1Mbps CH11**

**WiFi 802.11b 1Mbps Right Side Channel 11**

Date/Time: 2011-5-14 14:28:35

Electronics: DAE4 Sn771

Medium: Body 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Right Side High/Area Scan (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.066 mW/g

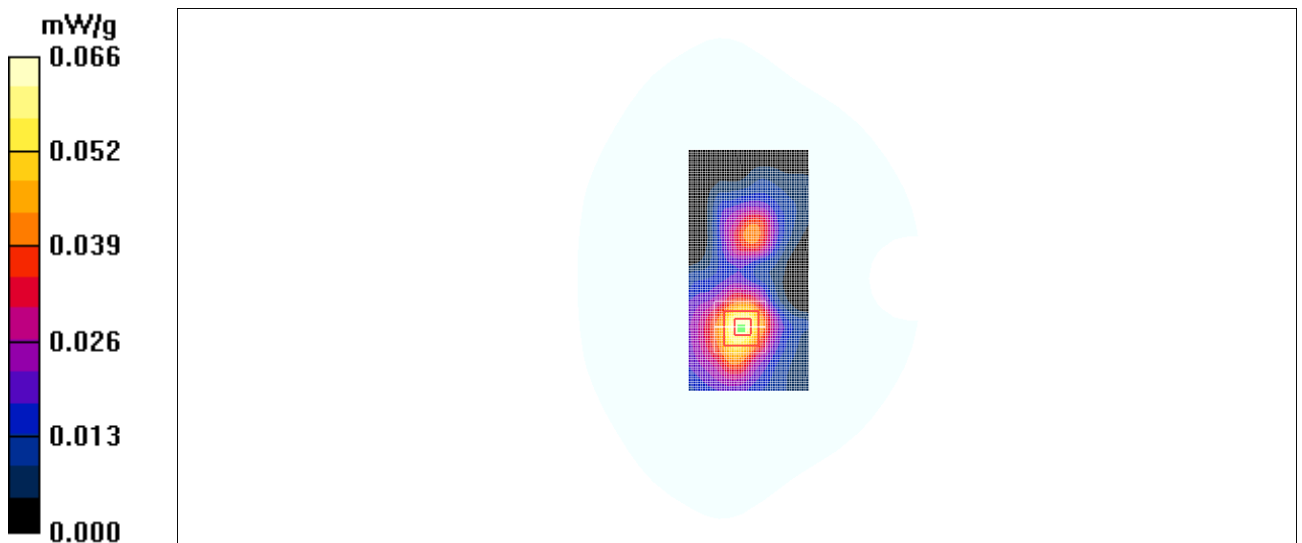
**Right Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.96 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.120 W/kg

**SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.071 mW/g



**Fig.103 802.11b 1Mbps CH11**

**WiFi 802.11b 1Mbps Top Side Channel 11**

Date/Time: 2011-5-14 14:44:47

Electronics: DAE4 Sn771

Medium: Body 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WLAN 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Top Side High/Area Scan (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.164 mW/g

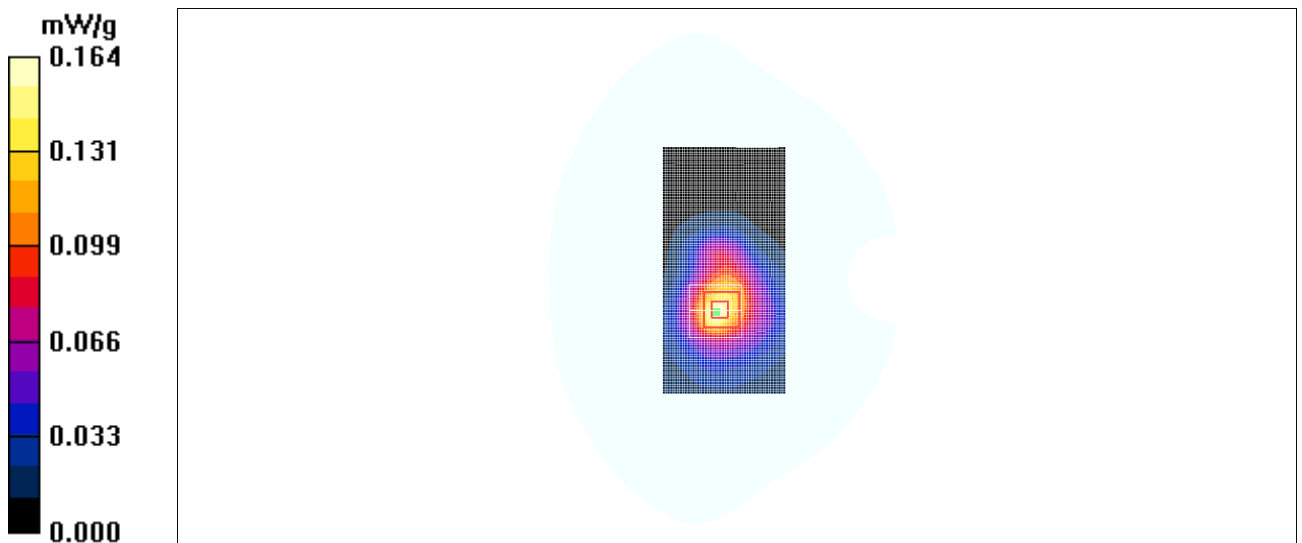
**Top Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.62 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.310 W/kg

**SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.178 mW/g



**Fig.104 802.11b 1Mbps CH11**