**835 Body Right Side Middle with AP ON**

Date/Time: 2011-8-25 18:24:07
Electronics: DAE4 Sn771
Medium: Body 835 MHz
Medium parameters used (interpolated): f = 836.52 MHz; $\sigma$ = 0.95 mho/m; $\varepsilon r$ = 54.4; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 835 Frequency: 824.7 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

**Right Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.730 mW/g

**Right Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.9 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 0.939 W/kg
**SAR(1 g) = 0.675 mW/g; SAR(10 g) = 0.466 mW/g**
Maximum value of SAR (measured) = 0.719 mW/g

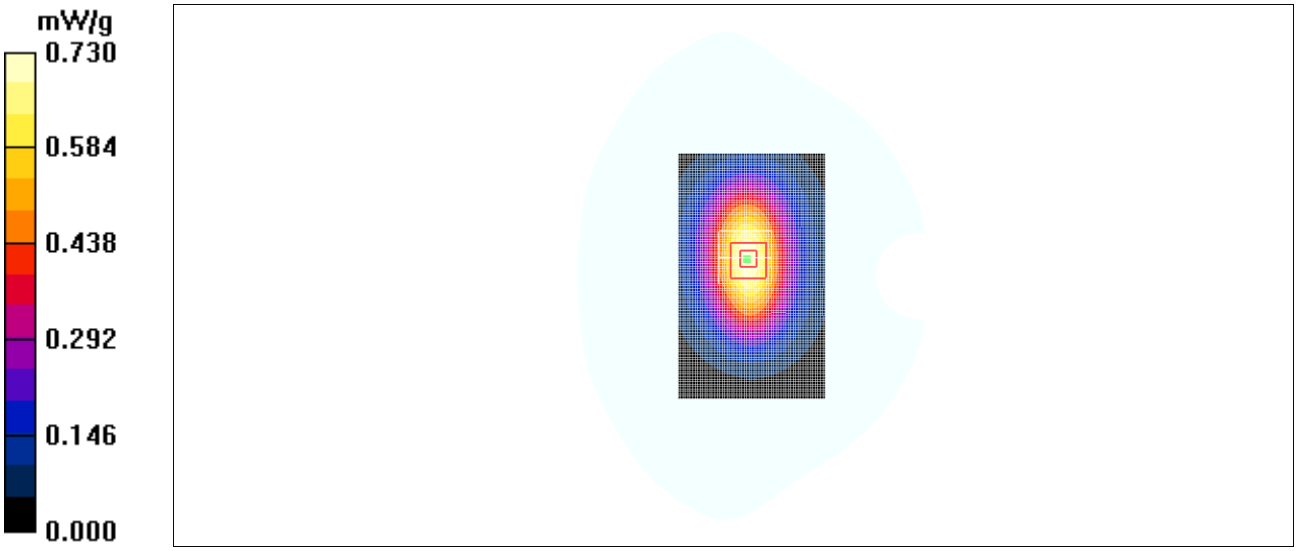



**Fig. 40 835 MHz CH384**

**835 Body Bottom Side Middle with AP ON**

Date/Time: 2011-8-25 18:42:15
Electronics: DAE4 Sn771
Medium: Body 835 MHz
Medium parameters used (interpolated): f = 836.52 MHz; $\sigma$ = 0.95 mho/m; $\varepsilon r$ = 54.4; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 835 Frequency: 824.7 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.075 mW/g

**Bottom Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.10 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.134 W/kg
**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.039 mW/g**
Maximum value of SAR (measured) = 0.070 mW/g

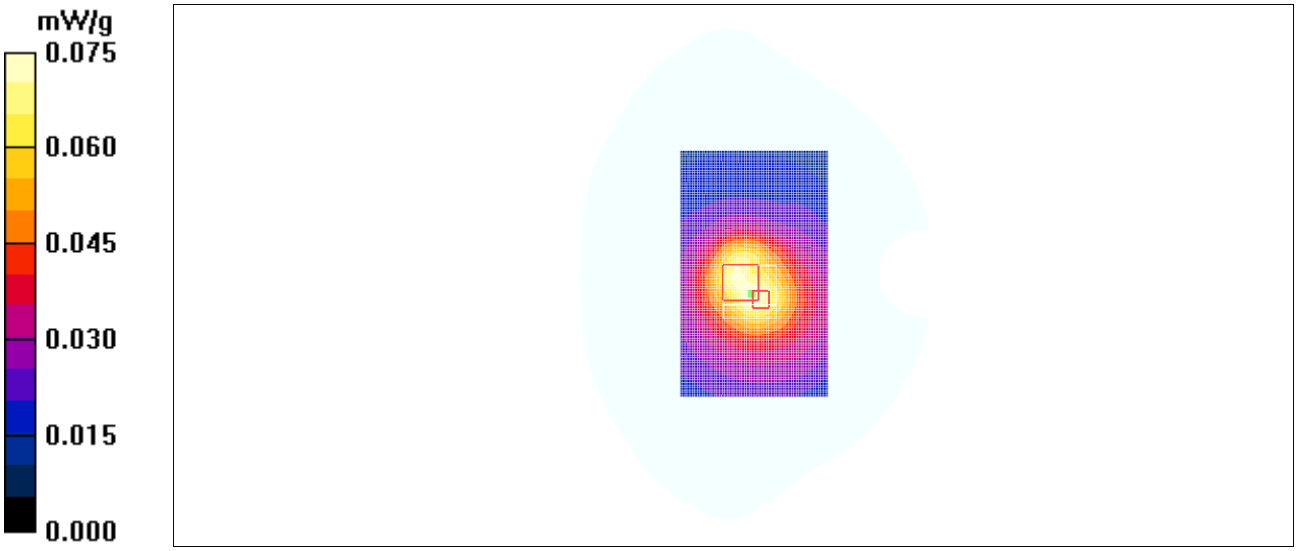



**Fig. 41 835 MHz CH384**

**835 Body Towards Ground High with Headset CCB3001A10C1 and AP ON**

Date/Time: 2011-8-25 19:07:52
Electronics: DAE4 Sn771
Medium: Body 835 MHz
Medium parameters used (interpolated): f = 848.31 MHz; $\sigma$ = 0.96 mho/m; $\varepsilon r$ = 53.7; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 835 Frequency: 848.31 MHz Duty Cycle: 1:8.3
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) = 1.03 mW/g

**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.1 V/m; Power Drift = -0.135 dB
Peak SAR (extrapolated) = 1.24 W/kg
**SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.711 mW/g**
Maximum value of SAR (measured) = 1.02 mW/g

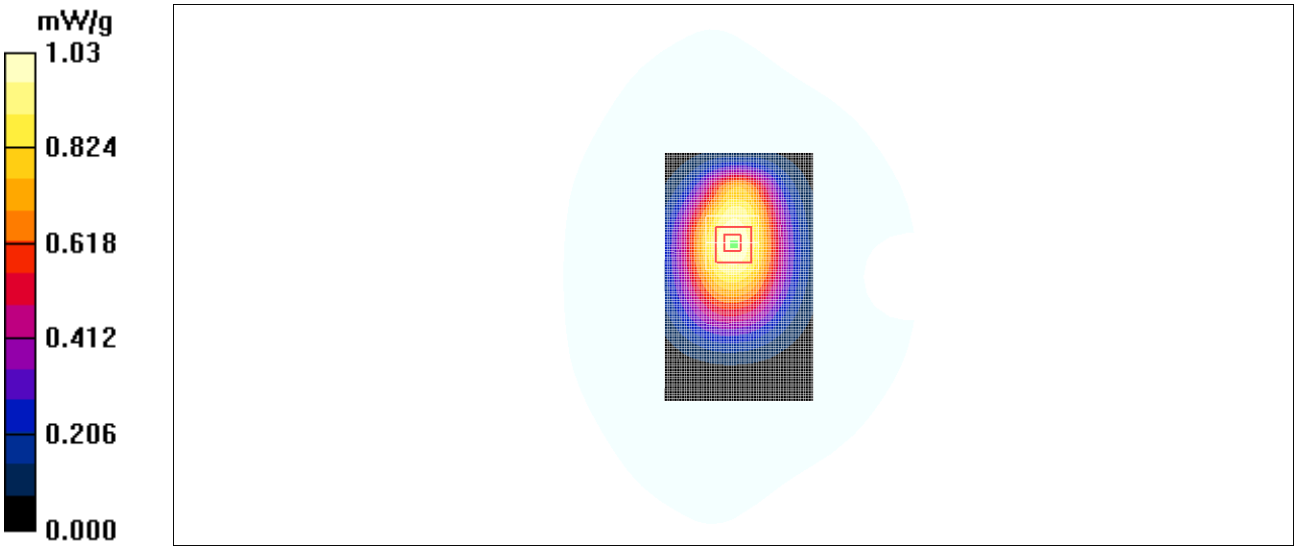



**Fig. 42 835MHz CH777**

**1900 Body Towards Ground High with AP OFF**

Date/Time: 2011-8-26 12:57:20
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1908.75 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) = 1.18 mW/g

**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 1.74 W/kg
**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.676 mW/g**
Maximum value of SAR (measured) = 1.16 mW/g

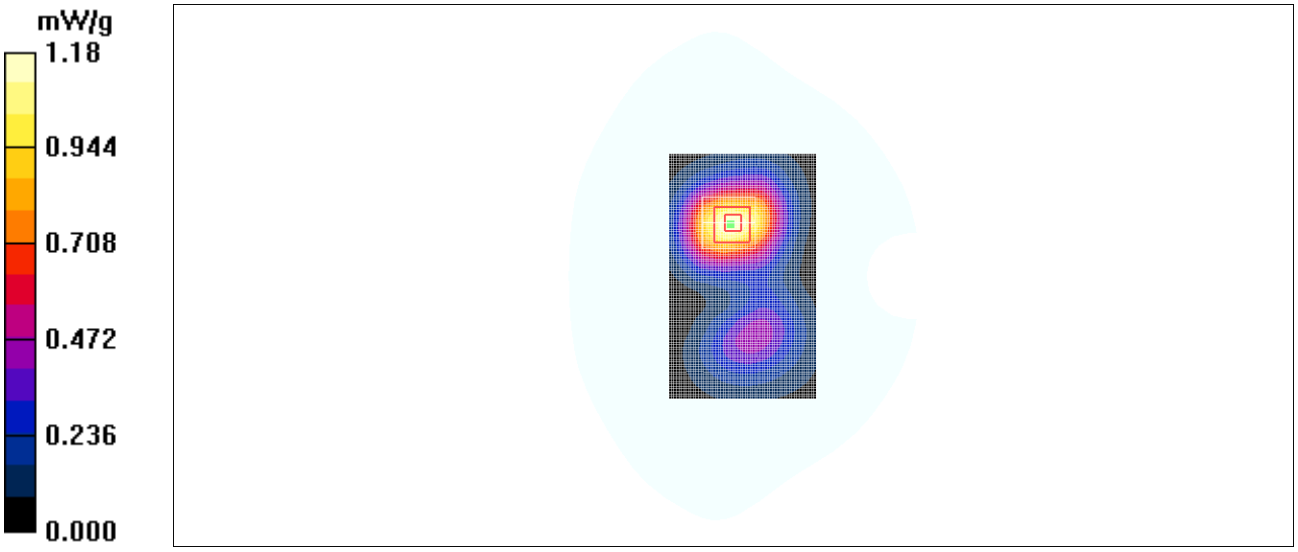



**Fig. 43 1900 MHz CH1175**

**1900 Body Towards Ground Middle with AP OFF**

Date/Time: 2011-8-26 13:16:45
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon r$ = 54.0; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1880 MHz Duty Cycle: 1:1
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) = 1.25 mW/g

**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.3 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 1.80 W/kg
**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.702 mW/g**
Maximum value of SAR (measured) = 1.21 mW/g

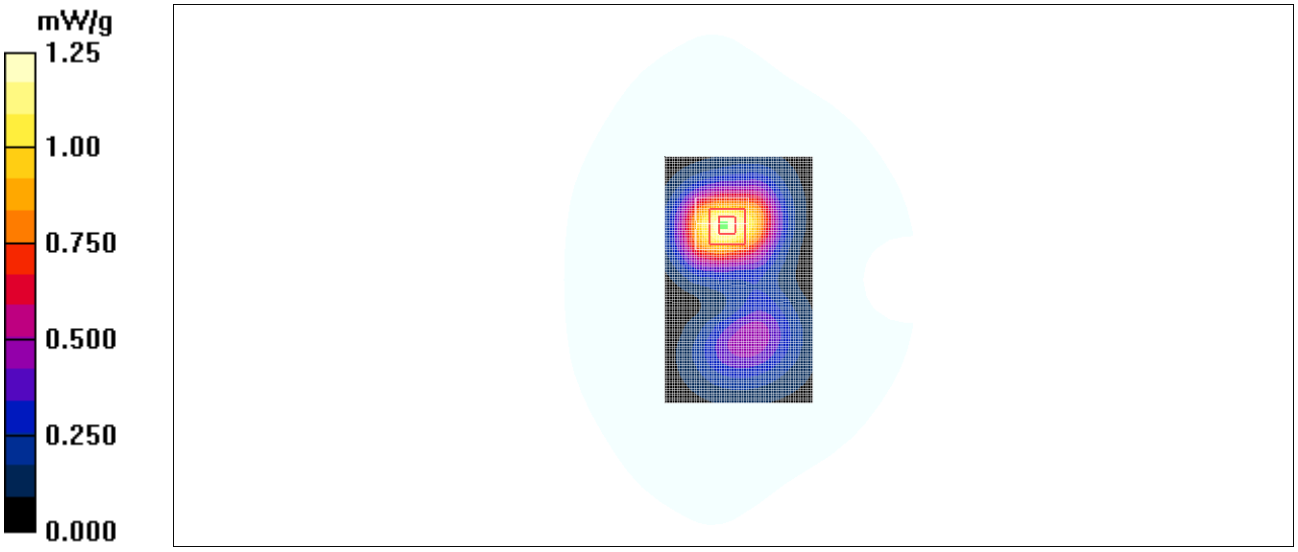



**Fig. 44 1900 MHz CH600**

**1900 Body Towards Ground Low with AP OFF**

Date/Time: 2011-8-26 13:35:09
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used (interpolated): f = 1851.25 MHz; $\sigma$ = 1.53 mho/m; $\varepsilon r$ = 54.11; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1851.25 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Ground Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.36 mW/g

**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.133 dB
Peak SAR (extrapolated) = 1.97 W/kg
**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.753 mW/g**
Maximum value of SAR (measured) = 1.32 mW/g

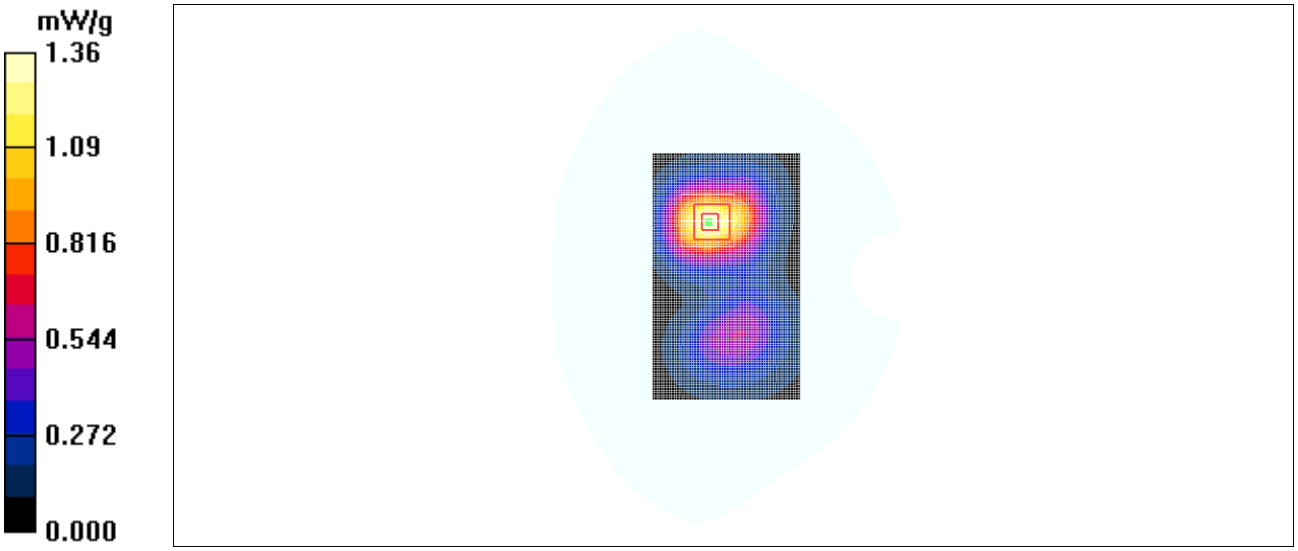



**Fig. 45 1900 MHz CH25**

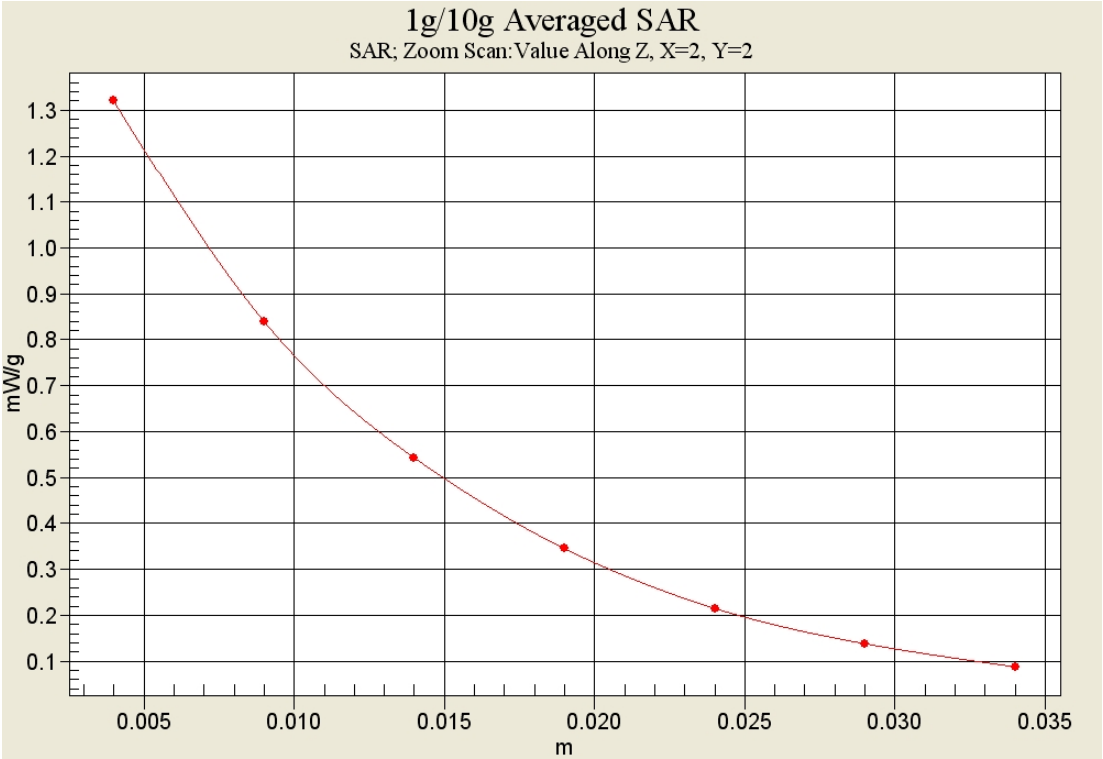



**Fig. 45-1 Z-Scan at power reference point (1900 MHz CH25)**

**1900 Body Towards Phantom High AP OFF**
Date/Time: 2011-8-26 13:53:36
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1908.75 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) = 0.784 mW/g

**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.83 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 1.16 W/kg
**SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.442 mW/g**
Maximum value of SAR (measured) = 0.770 mW/g

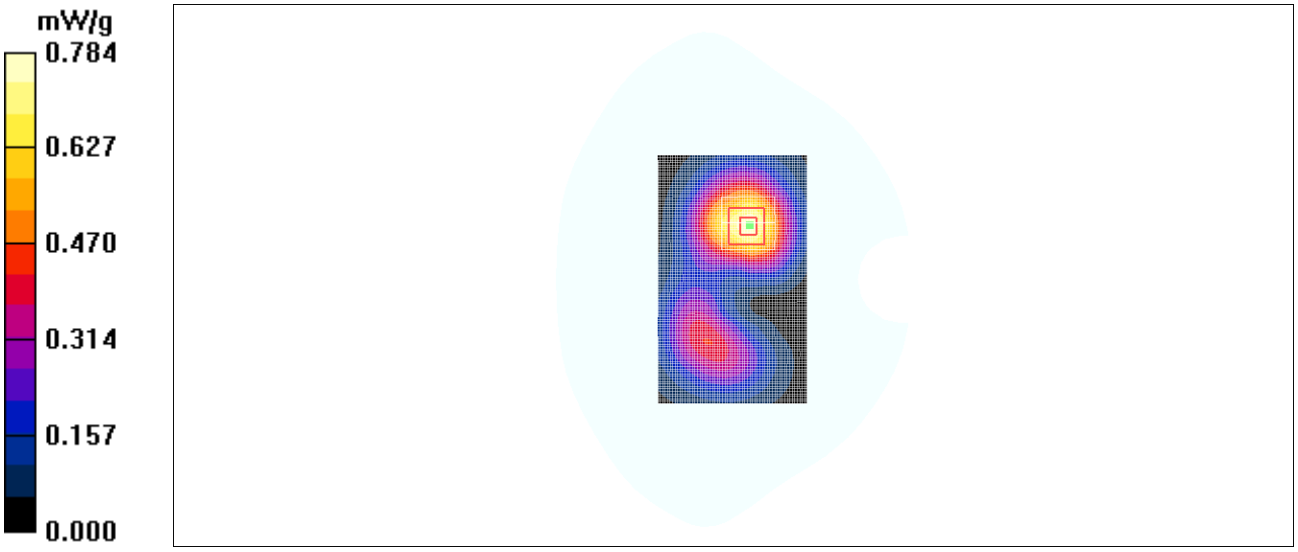



**Fig. 46 1900 MHz CH1175**

**1900 Body Left Side High with AP OFF**

Date/Time: 2011-8-26 14:16:35
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900 Frequency: 1908.75 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) = 0.229 mW/g

**Left Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.75 V/m; Power Drift = 0.063 dB
Peak SAR (extrapolated) = 0.338 W/kg
**SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.127 mW/g**
Maximum value of SAR (measured) = 0.229 mW/g

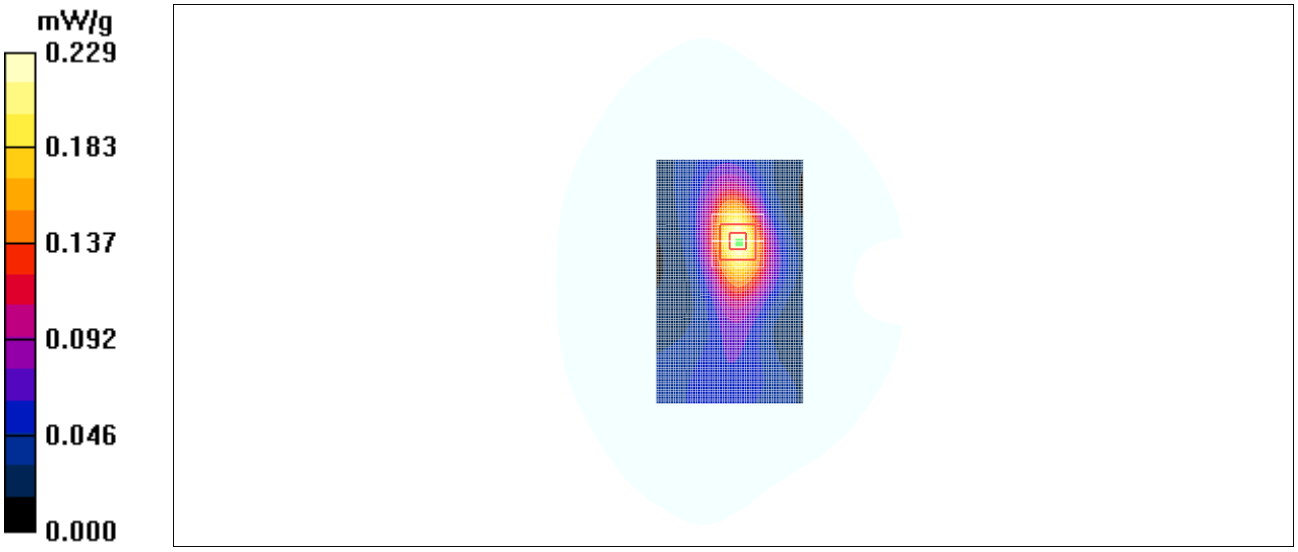



**Fig. 47 1900 MHz CH1175**

**1900 Body Right Side High with AP OFF**
Date/Time: 2011-8-26 14:39:13
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900 Frequency: 1908.75 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) = 0.305 mW/g

**Right Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.84 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.440 W/kg
**SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.171 mW/g**
Maximum value of SAR (measured) = 0.301 mW/g

**Right Side High/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.84 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.408 W/kg
**SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.164 mW/g**
Maximum value of SAR (measured) = 0.279 mW/g

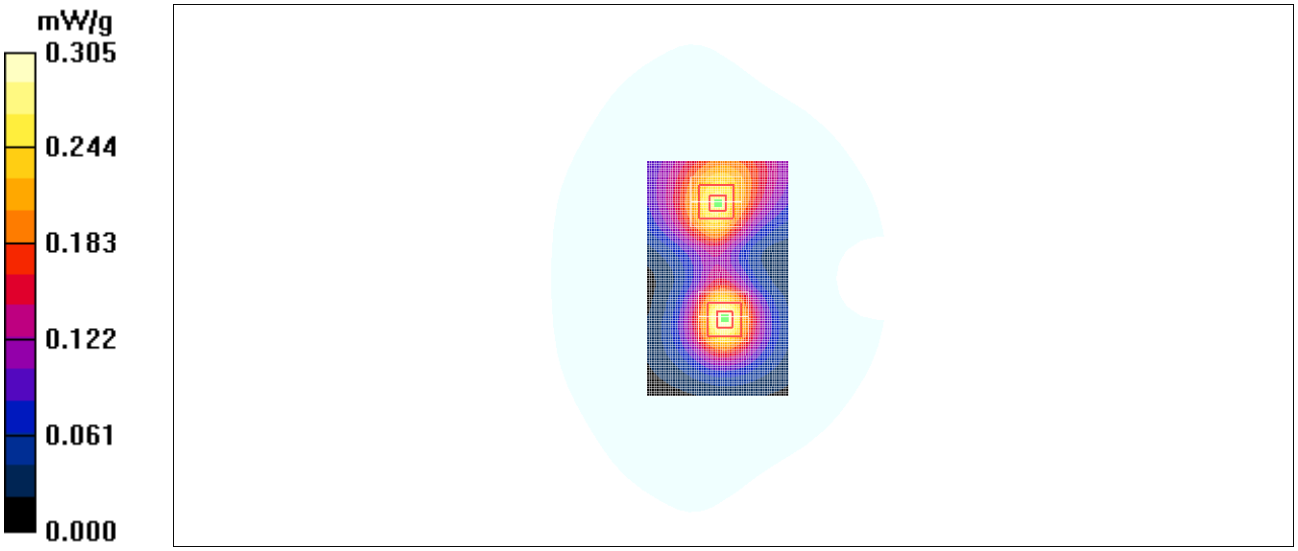



**Fig. 48 1900 MHz CH1175**

**1900 Body Bottom Side High with AP OFF**

Date/Time: 2011-8-26 15:11:24
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900 Frequency: 1908.75 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) = 0.764 mW/g

**Bottom Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.8 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 1.11 W/kg
**SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.400 mW/g**
Maximum value of SAR (measured) = 0.743 mW/g

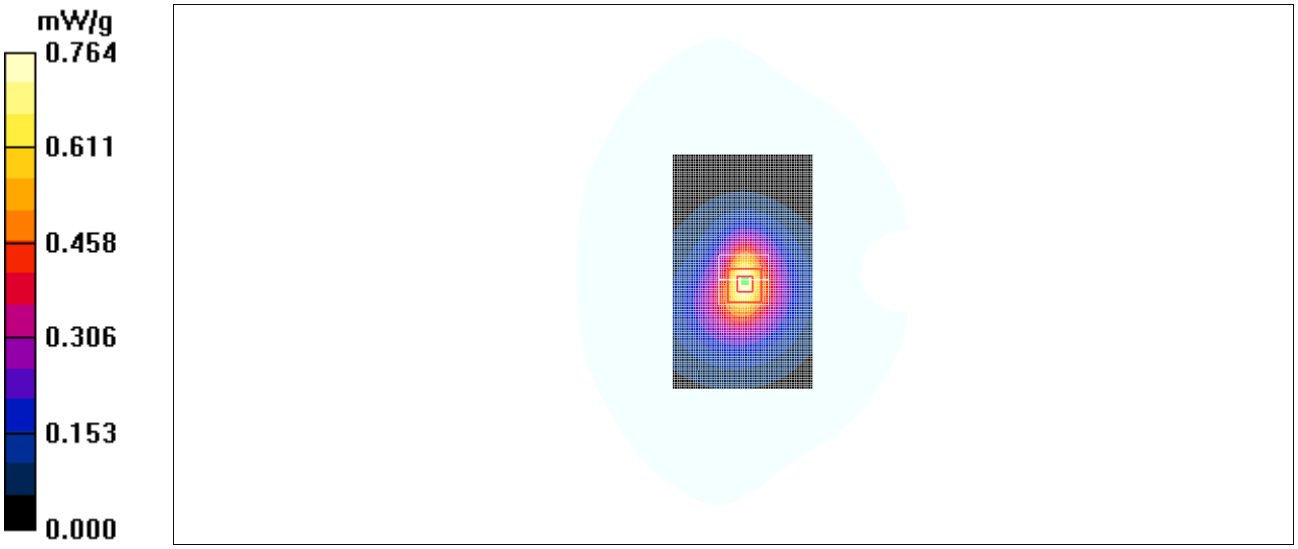



**Fig. 49 1900 MHz CH1175**

**1900 Body Towards Ground Low with Headset CCB3001A10C1 and AP OFF**
Date/Time: 2011-8-26 15:29:13
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used (interpolated): f = 1851.25 MHz; $\sigma$ = 1.53 mho/m; $\varepsilon r$ = 54.11; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1851.25 MHz Duty Cycle: 1:8.3
Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Ground Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.29 mW/g

**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 1.89 W/kg
**SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.703 mW/g**
Maximum value of SAR (measured) = 1.24 mW/g

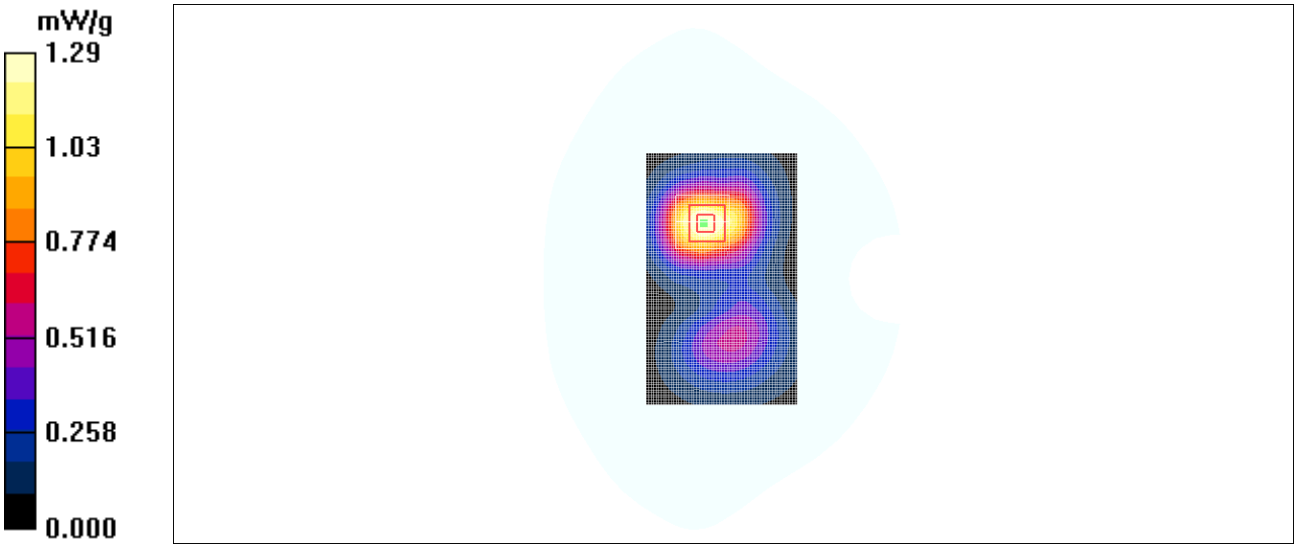



**Fig. 50 1900 MHz CH25**

**1900 Body Towards Ground High with AP ON**

Date/Time: 2011-8-26 15:49:11
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1908.75 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) = 0.870 mW/g

**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.3 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 1.31 W/kg
**SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.482 mW/g**
Maximum value of SAR (measured) = 0.855 mW/g

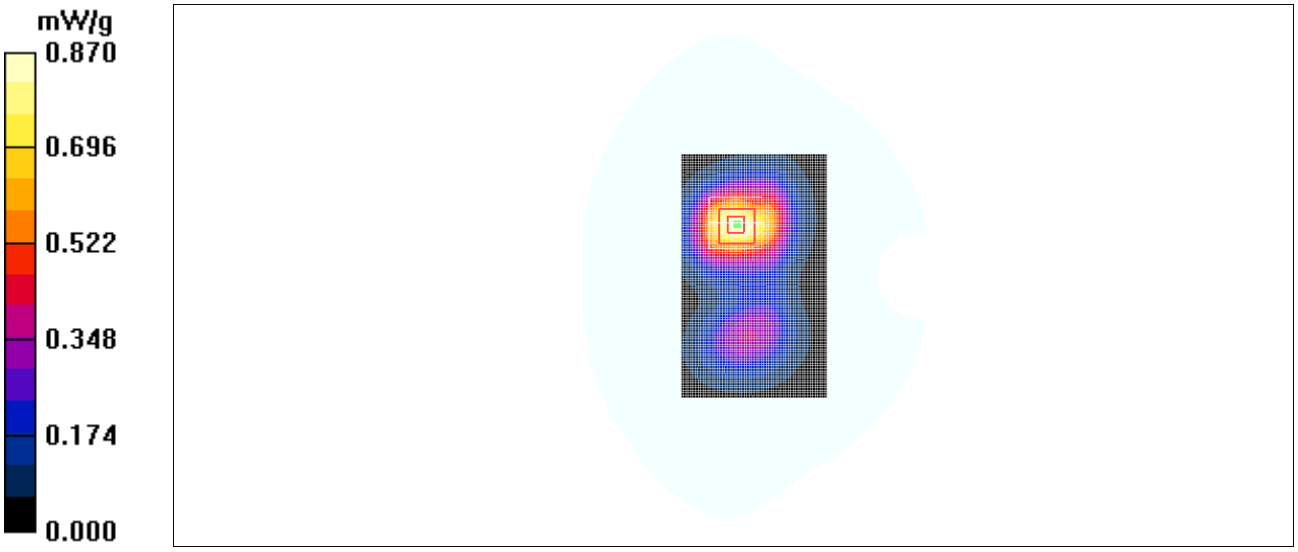



**Fig. 51 1900 MHz CH1175**

**1900 Body Towards Ground Middle with AP ON**

Date/Time: 2011-8-26 16:06:36
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon r$ = 54.0; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1880 MHz Duty Cycle: 1:1
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) = 0.918 mW/g

**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.1 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 1.39 W/kg
**SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.502 mW/g**
Maximum value of SAR (measured) = 0.903 mW/g

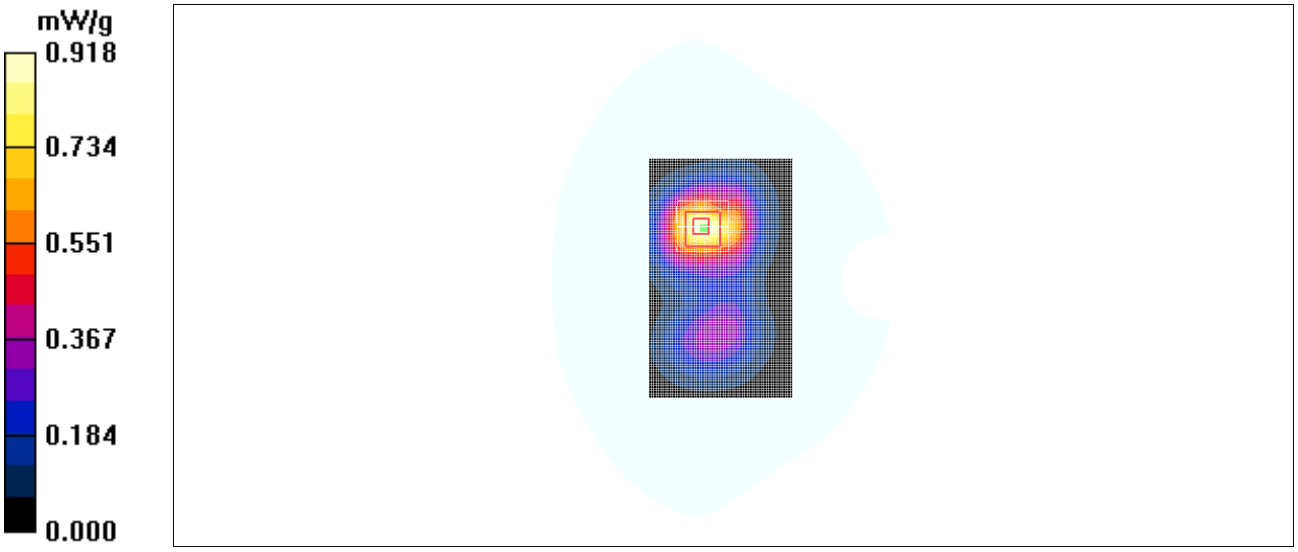



**Fig. 52 1900 MHz CH600**

**1900 Body Towards Ground Low with AP ON**

Date/Time: 2011-8-26 16:22:25
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used (interpolated): f = 1851.25 MHz; $\sigma$ = 1.53 mho/m; $\varepsilon r$ = 54.11; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1851.25 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Ground Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.20 mW/g

**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.4 V/m; Power Drift = 0.081 dB
Peak SAR (extrapolated) = 1.74 W/kg
**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.651 mW/g**
Maximum value of SAR (measured) = 1.15 mW/g

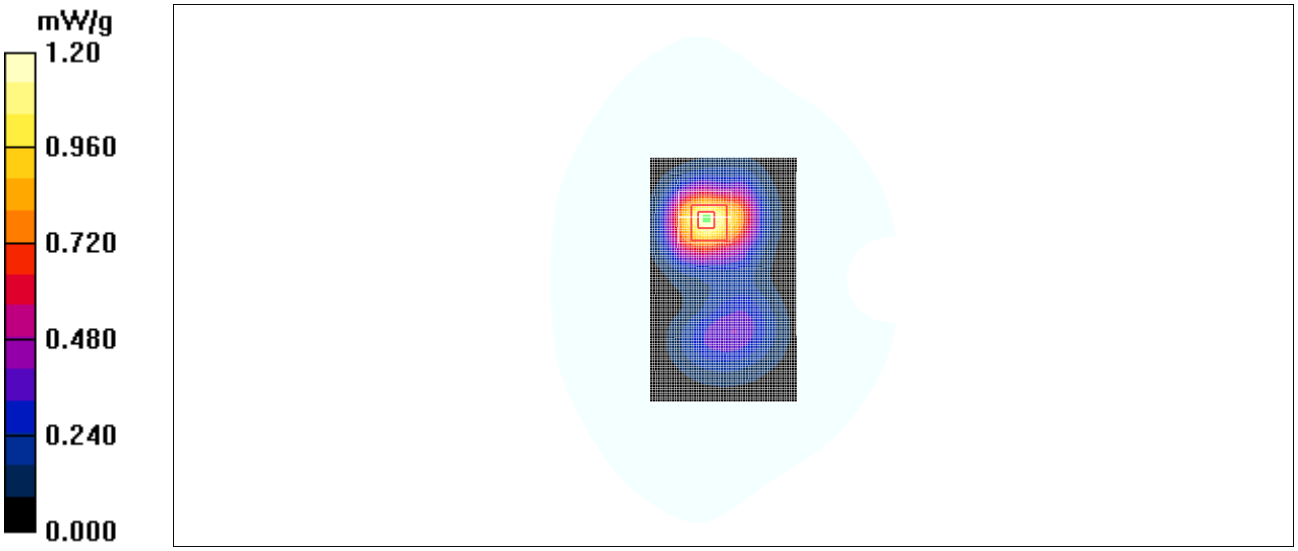



**Fig. 53 1900 MHz CH25**

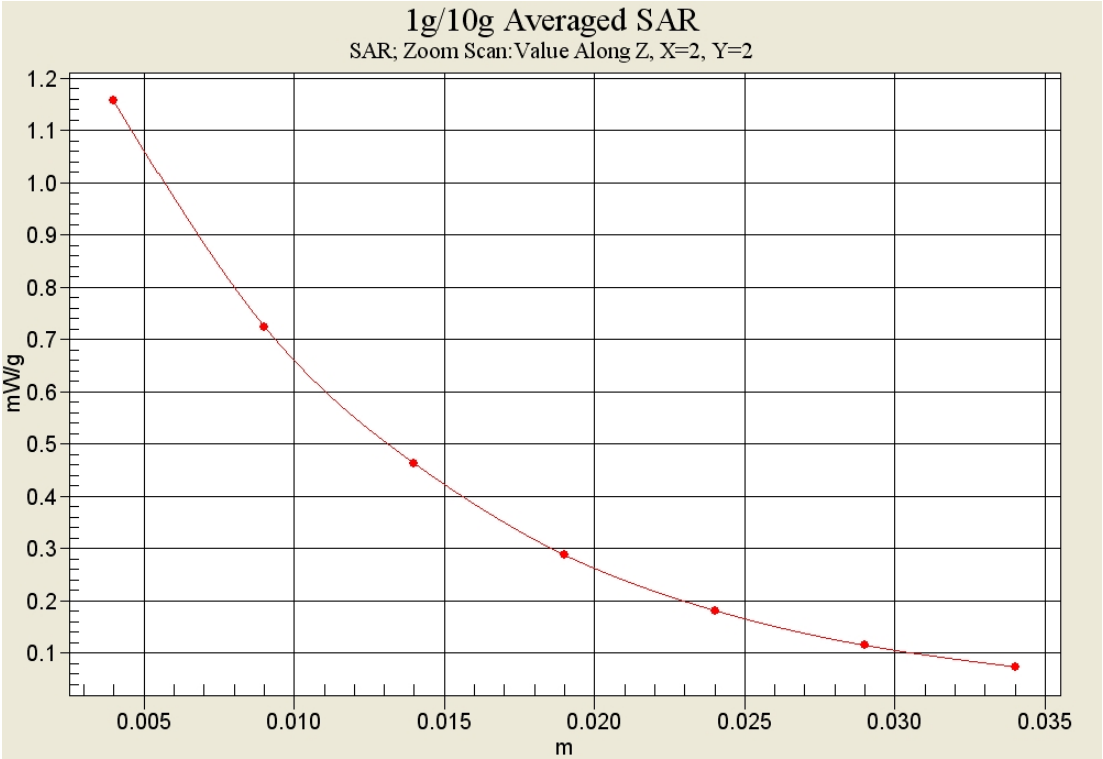



**Fig. 53-1 Z-Scan at power reference point (1900 MHz CH25)**

**1900 Body Towards Phantom High AP ON**
Date/Time: 2011-8-26 16:41:47
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1908.75 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) = 0.609 mW/g

**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.63 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 0.909 W/kg
**SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.324 mW/g**
Maximum value of SAR (measured) = 0.587 mW/g

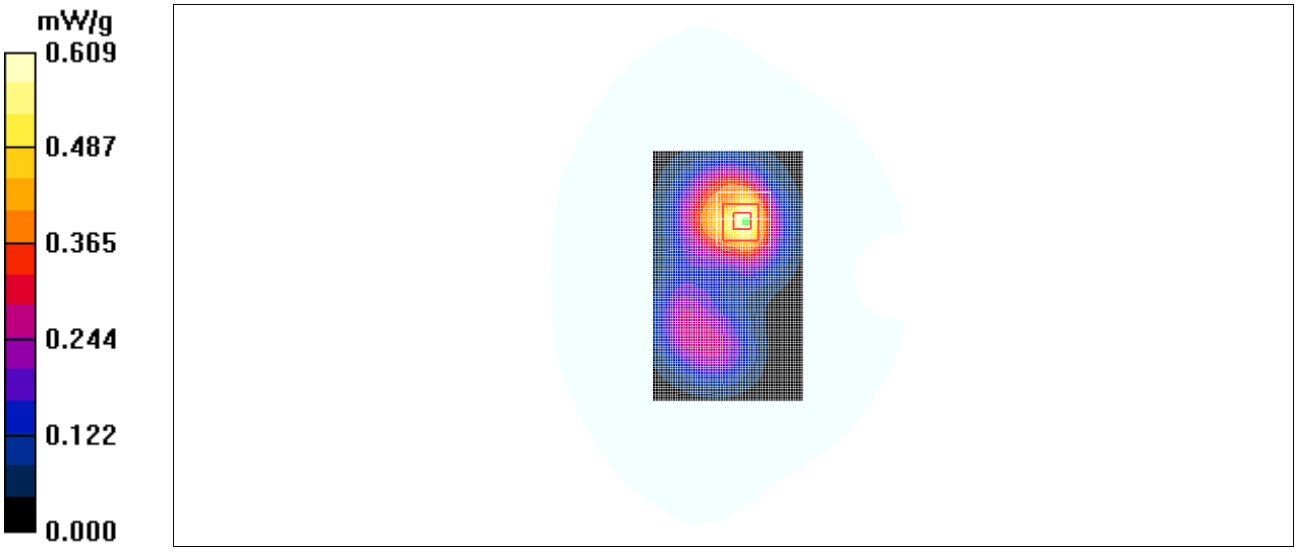



**Fig. 54 1900 MHz CH1175**

**1900 Body Left Side High with AP ON**

Date/Time: 2011-8-26 17:01:40
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900 Frequency: 1908.75 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) = 0.232 mW/g

**Left Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.46 V/m; Power Drift = 0.010 dB
Peak SAR (extrapolated) = 0.344 W/kg
**SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.120 mW/g**
Maximum value of SAR (measured) = 0.219 mW/g

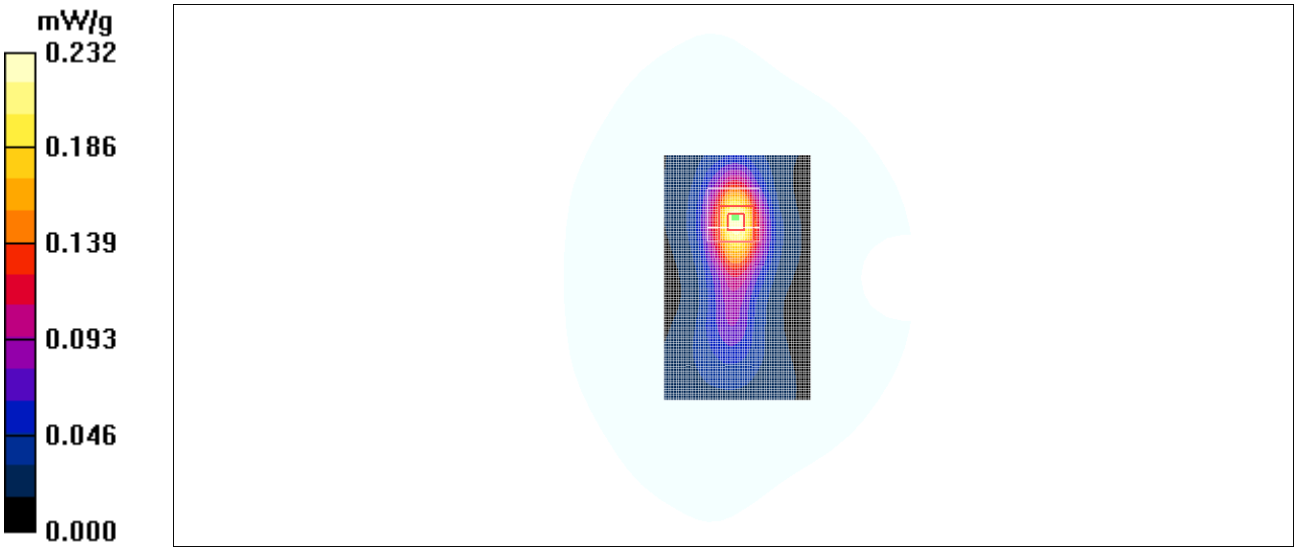



**Fig. 55 1900 MHz CH1175**

**1900 Body Right Side High with AP ON**
Date/Time: 2011-8-26 17:19:13
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900 Frequency: 1908.75 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) = 0.237 mW/g

**Right Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.42 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 0.348 W/kg
**SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.126 mW/g**
Maximum value of SAR (measured) = 0.230 mW/g

**Right Side High/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.42 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 0.297 W/kg
**SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.112 mW/g**
Maximum value of SAR (measured) = 0.199 mW/g

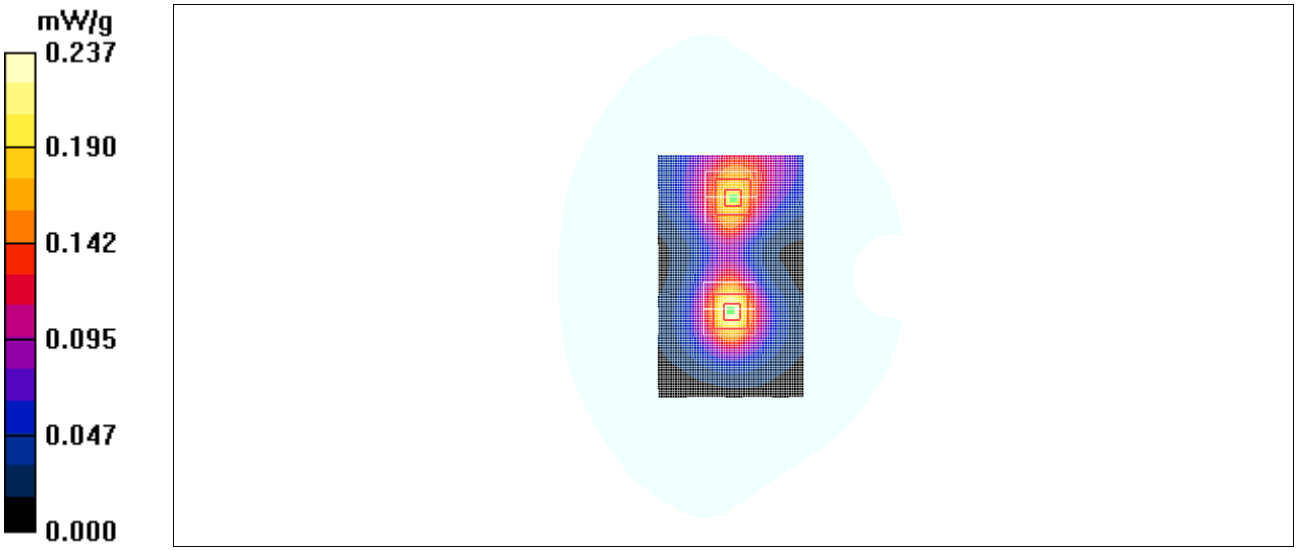



**Fig. 56 1900 MHz CH1175**

**1900 Body Bottom Side High with AP ON**

Date/Time: 2011-8-26 17:51:07
Electronics: DAE4 Sn771
Medium: Body 835 MHz
Medium parameters used: f = 1908.75 MHz; $\sigma$ = 1.55 mho/m; $\varepsilon r$ = 53.35; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900 Frequency: 1908.75 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) = 0.586 mW/g

**Bottom Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.0 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.891 W/kg
**SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.295 mW/g**
Maximum value of SAR (measured) = 0.594 mW/g

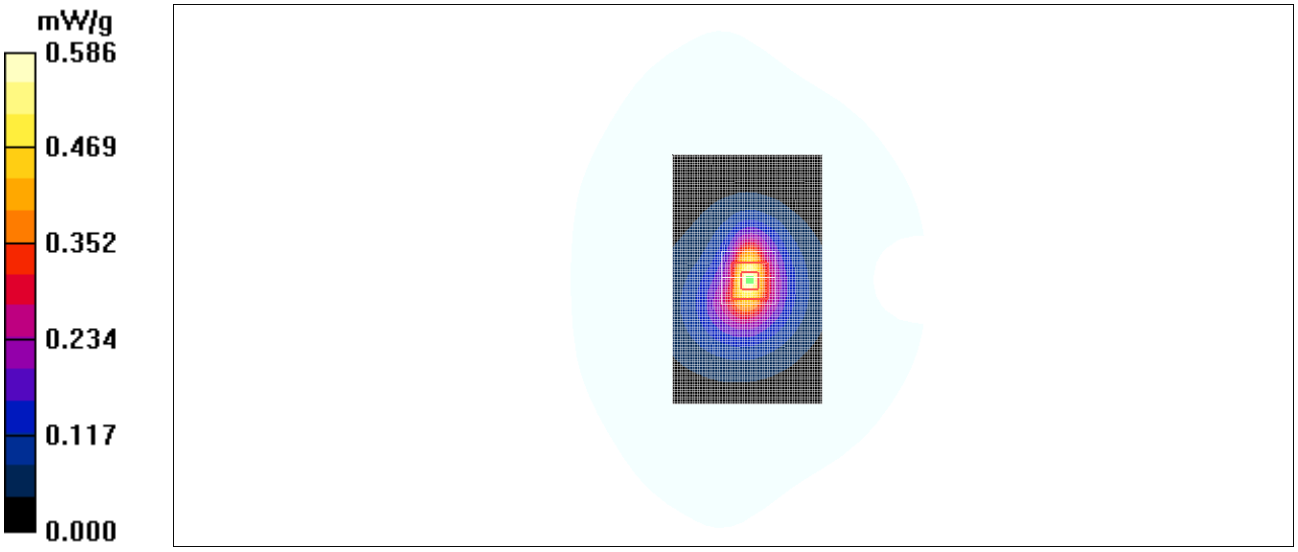



**Fig. 57 1900 MHz CH1175**

**1900 Body Towards Ground Low with Headset CCB3001A10C1 and AP ON**
Date/Time: 2011-8-26 18:29:42
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used (interpolated): f = 1851.25 MHz; $\sigma$ = 1.53 mho/m; $\varepsilon r$ = 54.11; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CDMA 1900MHz Frequency: 1851.25 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Ground Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.15 mW/g

**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.8 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 1.68 W/kg
**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.614 mW/g**
Maximum value of SAR (measured) = 1.09 mW/g

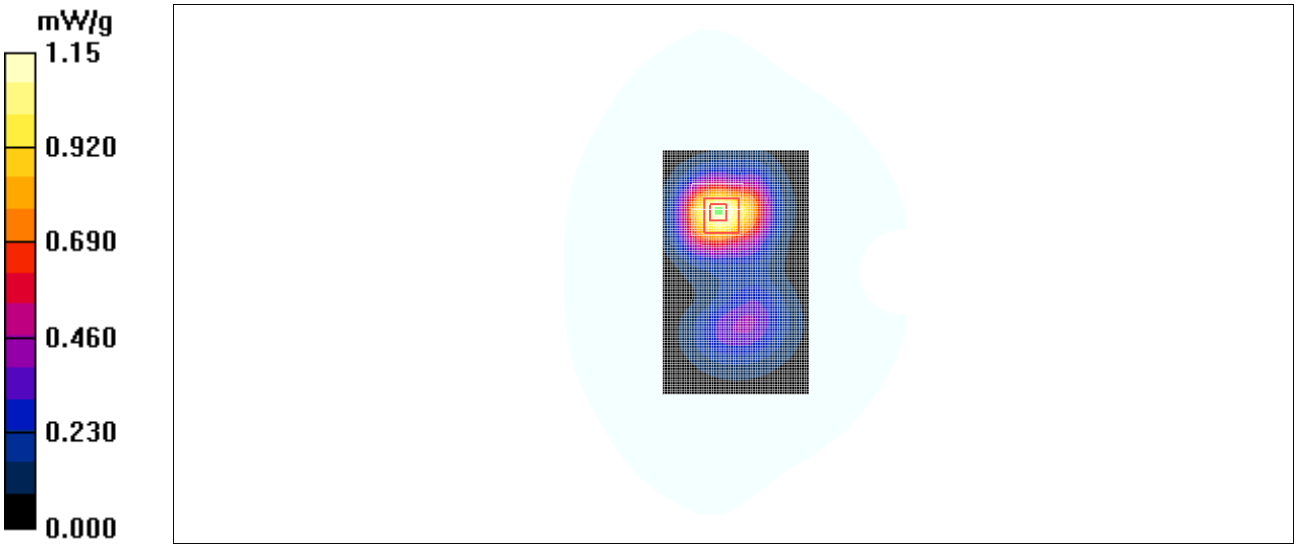



**Fig. 58 1900 MHz CH25**

**WiFi 802.11b 1Mbps Left Cheek Channel 6**
Date/Time: 2011-8-31 8:08:33
Electronics: DAE4 Sn771
Medium: Head 2450 MHz
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.83 mho/m; $\varepsilon r$ = 39.7; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0 °C Liquid Temperature: 22.5°C
Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Cheek Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.059 mW/g

**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.46 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.088 W/kg
**SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.024 mW/g**
Maximum value of SAR (measured) = 0.050 mW/g

**Cheek Middle/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.46 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.067 W/kg
**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.024 mW/g**
Maximum value of SAR (measured) = 0.042 mW/g

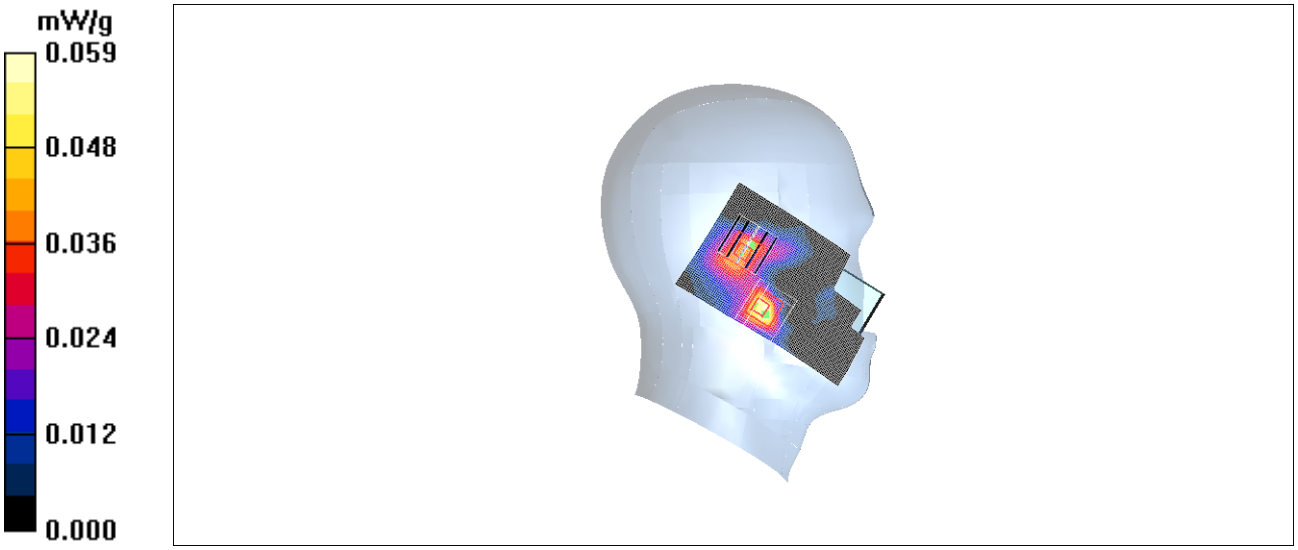



**Fig.59 802.11b 1Mbps CH6**

**WiFi 802.11b 1Mbps Left Tilt Channel 6**

Date/Time: 2011-8-31 8:26:15
Electronics: DAE4 Sn771
Medium: Head 2450 MHz
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.83 mho/m; $\varepsilon r$ = 39.7; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0 °C  Liquid Temperature: 22.5°C
Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Tilt Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.040 mW/g

**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.33 V/m; Power Drift = 0.186 dB
Peak SAR (extrapolated) = 0.061 W/kg
**SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.018 mW/g**
Maximum value of SAR (measured) = 0.037 mW/g

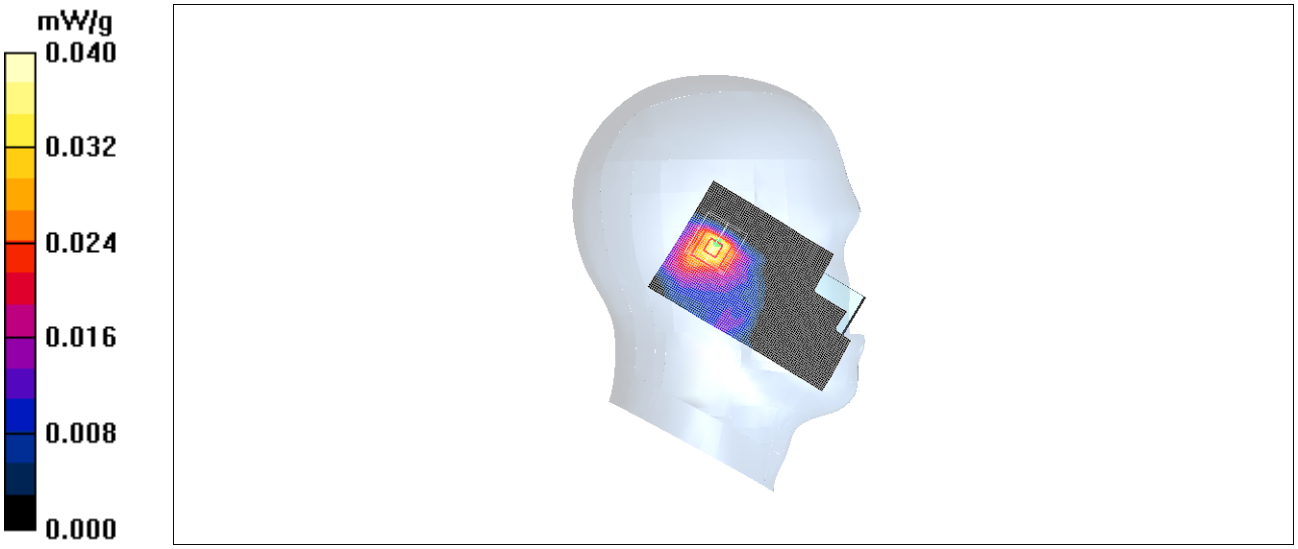



**Fig.60  802.11b 1Mbps CH6**

**WiFi 802.11b 1Mbps Right Cheek Channel 6**
Date/Time: 2011-8-31 8:41:33
Electronics: DAE4 Sn771
Medium: Head 2450 MHz
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.83 mho/m; $\varepsilon r$ = 39.7; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0 °C Liquid Temperature: 22.5°C
Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Cheek Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.101 mW/g

**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.83 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 0.187 W/kg
**SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.043 mW/g**
Maximum value of SAR (measured) = 0.094 mW/g

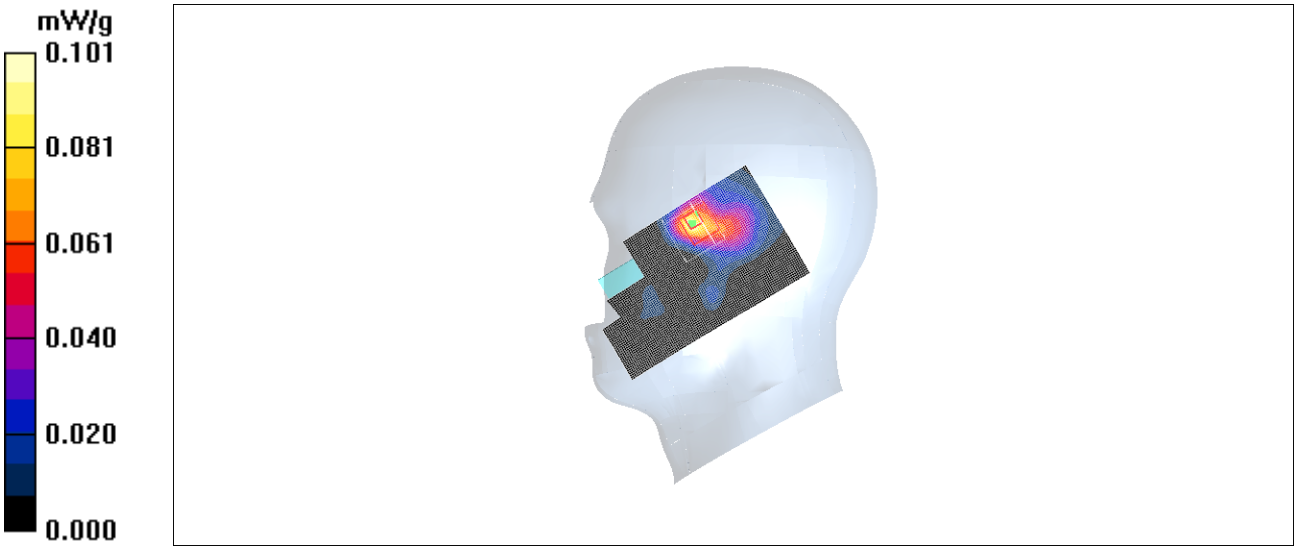



**Fig.61 802.11b 1Mbps CH6**

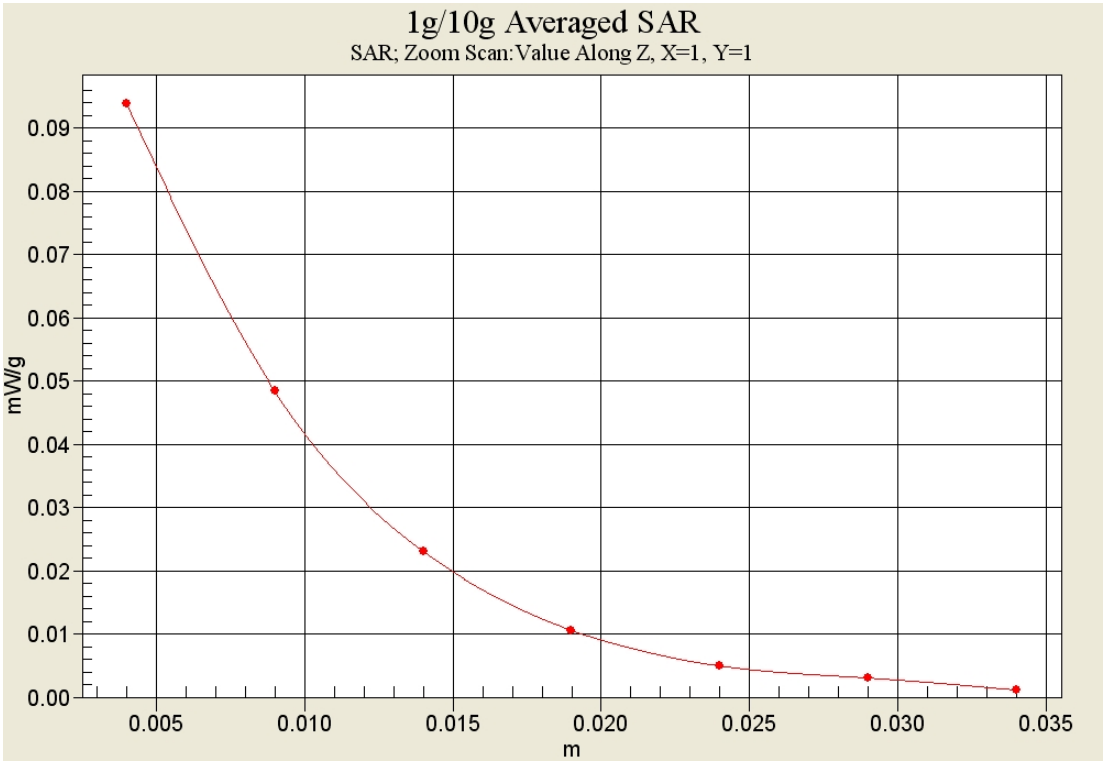



**Fig. 61-1 Z-Scan at power reference point (802.11b 1Mbps CH6)**

**WiFi 802.11b 1Mbps Right Tilt Channel 6**
Date/Time: 2011-8-31 8:58:21
Electronics: DAE4 Sn771
Medium: Head 2450 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.83 mho/m; εr = 39.7; ρ = 1000 kg/$m^3$
Ambient Temperature:23.0 °C Liquid Temperature: 22.5°C
Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Tilt Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.047 mW/g

**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.82 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 0.066 W/kg
**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.023 mW/g**
Maximum value of SAR (measured) = 0.043 mW/g

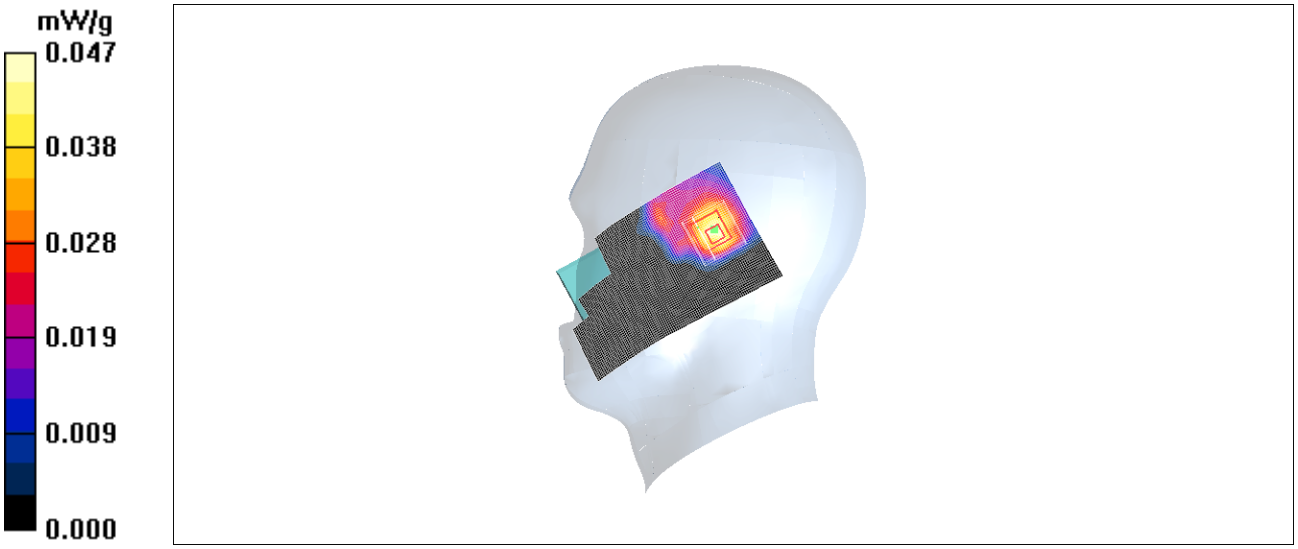



**Fig.62 802.11b 1Mbps CH6**

**WiFi 802.11b 1Mbps Toward Phantom Channel 6**
Date/Time: 2011-8-31 13:51:22
Electronics: DAE4 Sn771
Medium: Body 2450 MHz
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.94 mho/m; $\varepsilon r$ = 52.4; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0 °C Liquid Temperature: 22.5°C
Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Toward Phantom Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.031 mW/g

**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.10 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.046 W/kg
**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.016 mW/g**
Maximum value of SAR (measured) = 0.030 mW/g

**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.10 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.032 W/kg
**SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.010 mW/g**
Maximum value of SAR (measured) = 0.020 mW/g

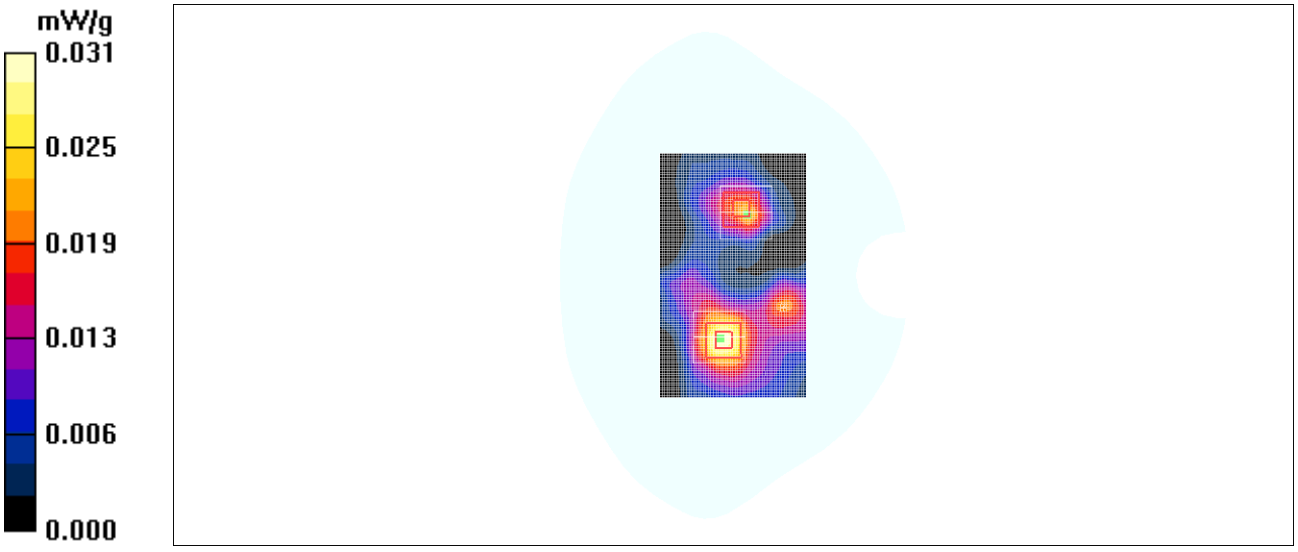



**Fig.63 802.11b 1Mbps CH6**

**WiFi 802.11b 1Mbps Toward Ground Channel 6**
Date/Time: 2011-8-31 14:13:08
Electronics: DAE4 Sn771
Medium: Body 2450 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.94 mho/m; εr = 52.4; ρ = 1000 kg/$m^3$
Ambient Temperature:23.0 °C Liquid Temperature: 22.5°C
Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Toward Ground Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.158 mW/g

**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.54 V/m; Power Drift = 0.107 dB
Peak SAR (extrapolated) = 0.295 W/kg
**SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.083 mW/g**
Maximum value of SAR (measured) = 0.176 mW/g

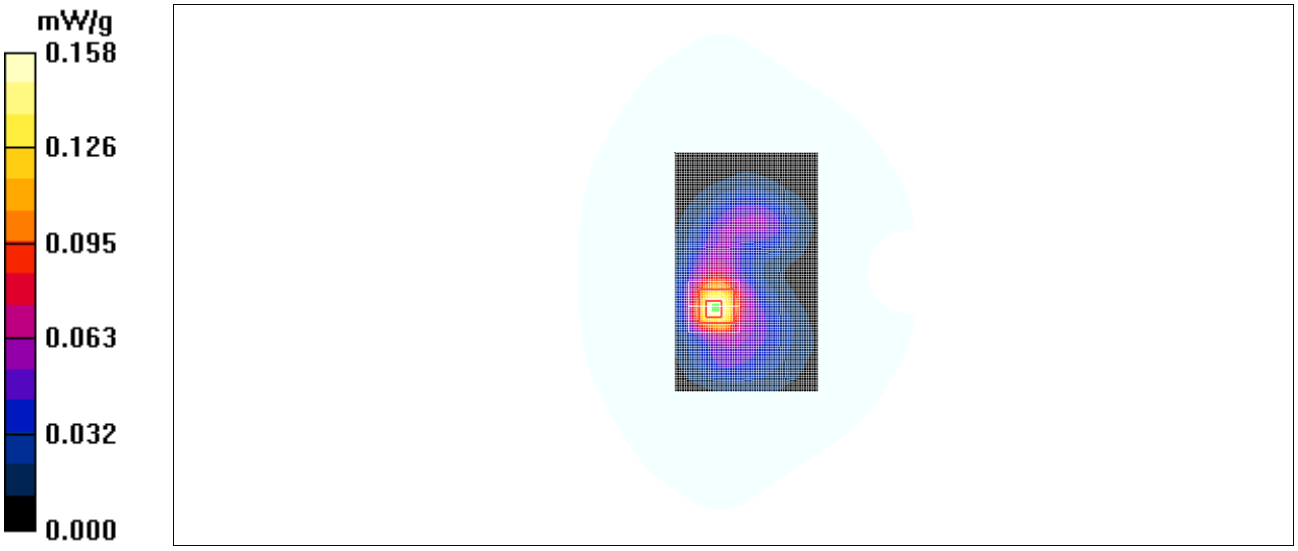



**Fig.64 802.11b 1Mbps CH6**

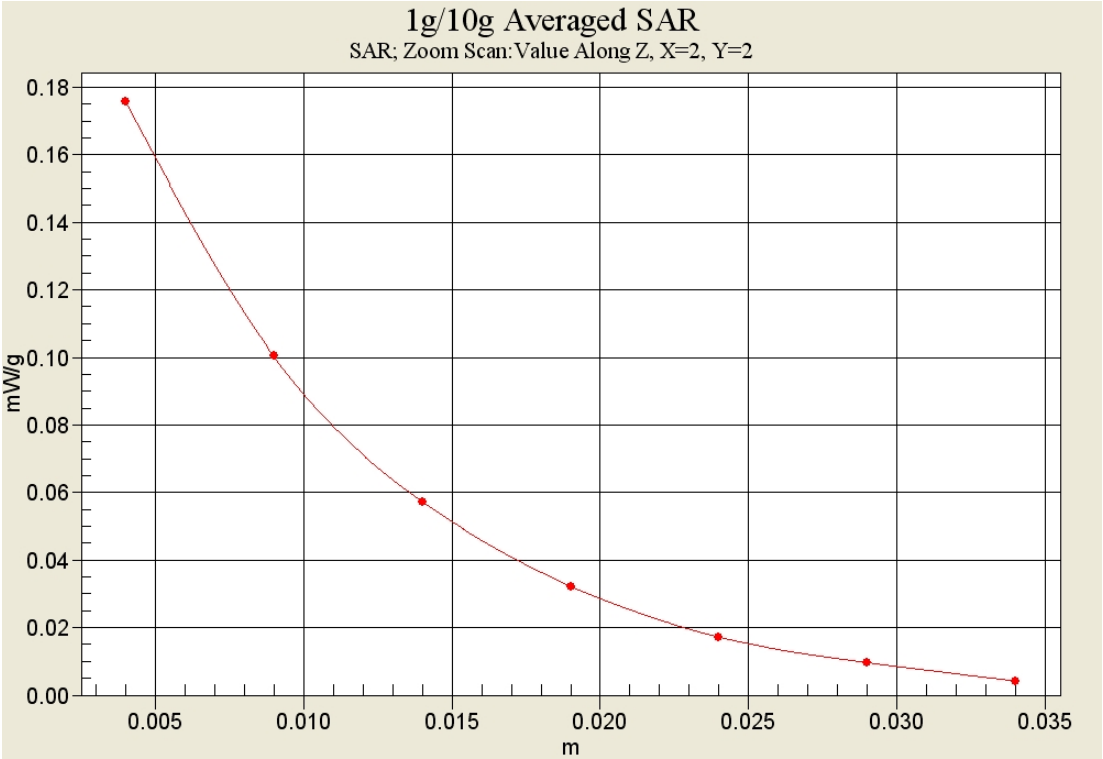



**Fig. 64-1 Z-Scan at power reference point (802.11b 1Mbps CH6)**

**WiFi 802.11b 1Mbps Left Side Channel 6**
Date/Time: 2011-8-31 14:34:32
Electronics: DAE4 Sn771
Medium: Body 2450 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.94 mho/m; εr = 52.4; ρ = 1000 kg/$m^3$
Ambient Temperature:23.0 °C Liquid Temperature: 22.5°C
Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Left Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.105 mW/g

**Left Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.27 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.188 W/kg
**SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.050 mW/g**
Maximum value of SAR (measured) = 0.109 mW/g

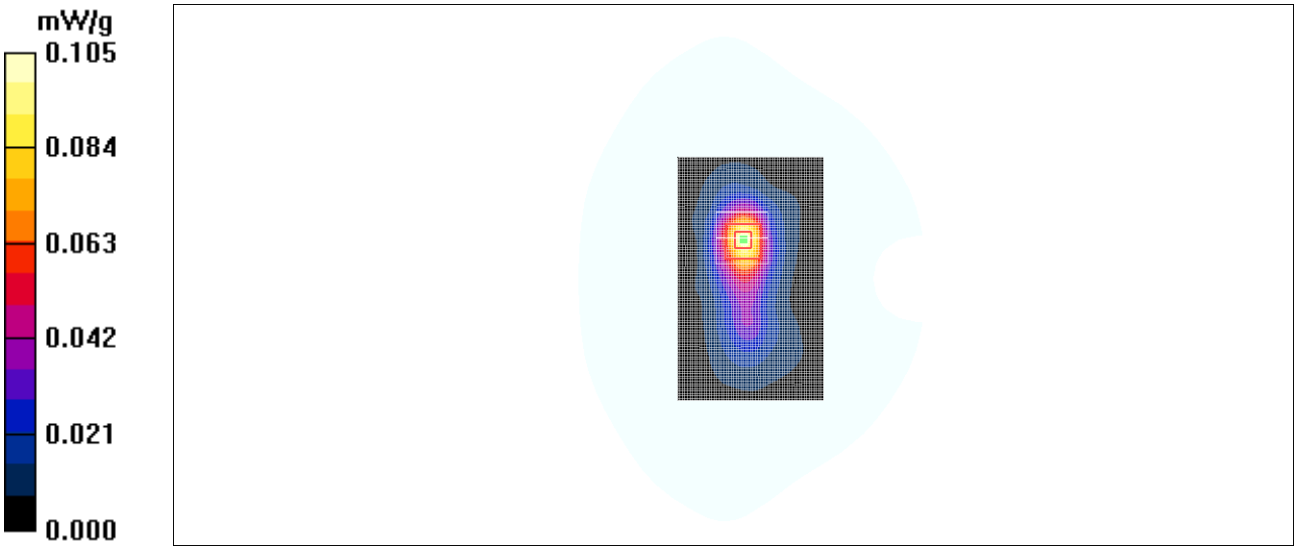



**Fig.65 802.11b 1Mbps CH6**

**WiFi 802.11b 1Mbps Top Side Channel 6**
Date/Time: 2011-8-31 14:50:12
Electronics: DAE4 Sn771
Medium: Body 2450 MHz
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.94 mho/m; $\varepsilon r$ = 52.4; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0 °C Liquid Temperature: 22.5°C
Communication System: WLan 2450 Frequency: 2437 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**Top Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.036 mW/g

**Top Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.62 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 0.058 W/kg
**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.019 mW/g**
Maximum value of SAR (measured) = 0.036 mW/g

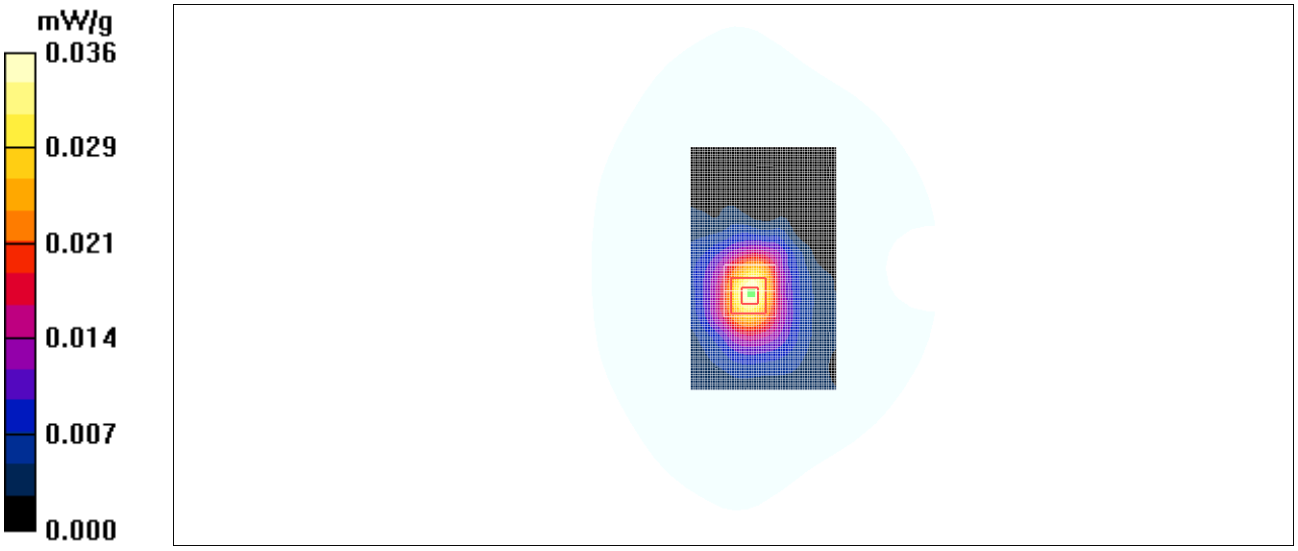



**Fig.66 802.11b 1Mbps CH6**

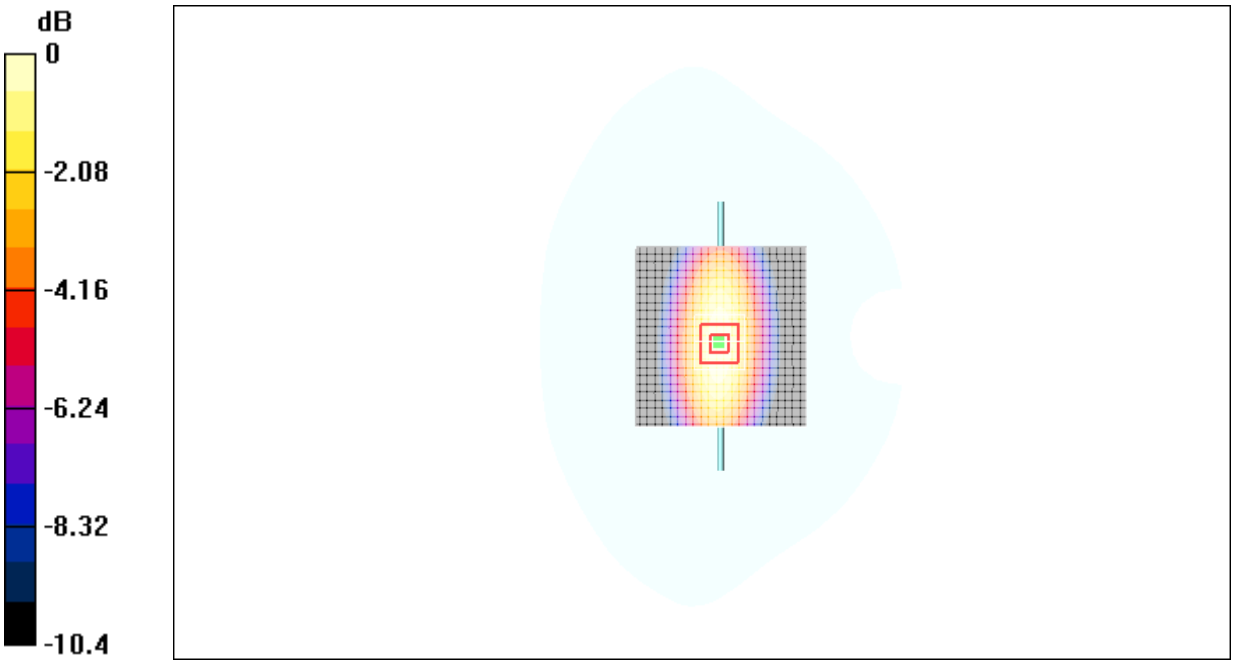
# ANNEX D SYSTEM VALIDATION RESULTS

## 835MHz

Date/Time: 2011-8-25 7:08:22
Electronics: DAE4 Sn771
Medium: Head 835 MHz
Medium parameters used: f = 835 MHz; $\sigma$ = 0.88 mho/m; $\varepsilon_r$ = 41.2; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(6.56, 6.56, 6.56)

**System Validation /Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.50 mW/g

**System Validation /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.5 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 3.29 W/kg
**SAR(1 g) = 2.29 mW/g; SAR(10 g) = 1.45 mW/g**
Maximum value of SAR (measured) = 2.42 mW/g




0 dB = 2.42mW/g

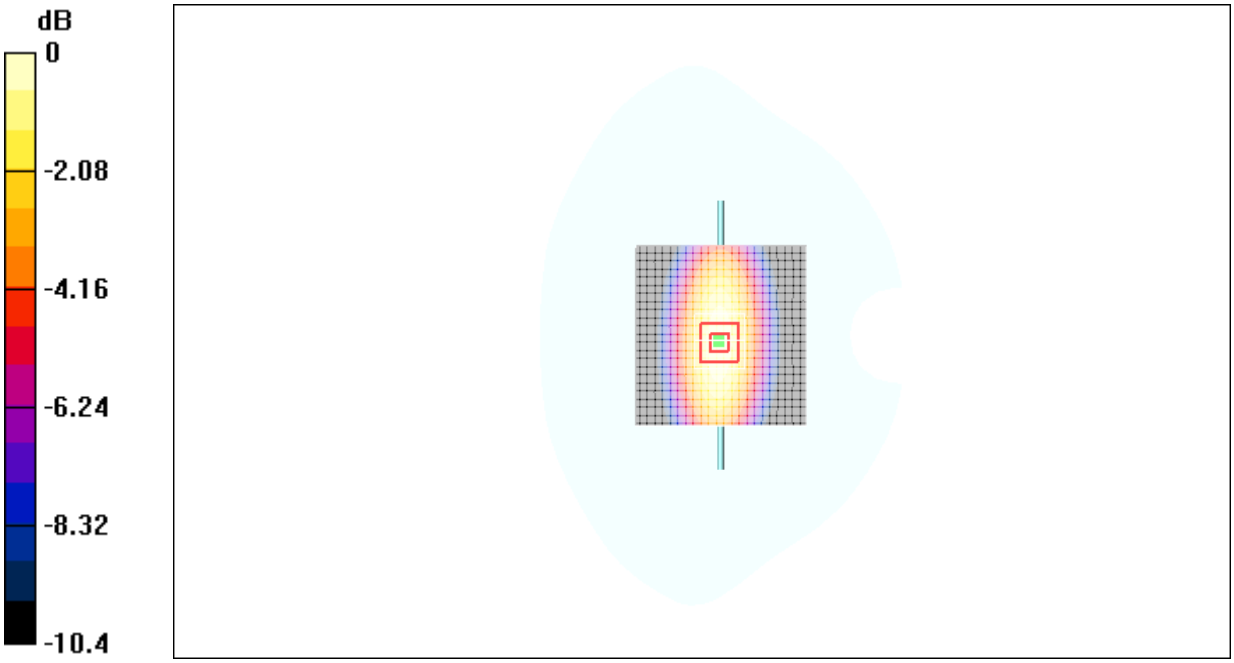
**Fig.67 validation 835MHz 250mW**

## 835MHz

Date/Time: 2011-8-25 11:49:11
Electronics: DAE4 Sn771
Medium: Body 835 MHz
Medium parameters used: f = 835 MHz; $\sigma$ = 0.95 mho/m; $\varepsilon_r$ = 54.4; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

**System Validation /Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.63 mW/g

**System Validation /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.9 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 3.42 W/kg
**SAR(1 g) = 2.40 mW/g; SAR(10 g) = 1.52 mW/g**
Maximum value of SAR (measured) = 2.49 mW/g




0 dB = 2.49mW/g

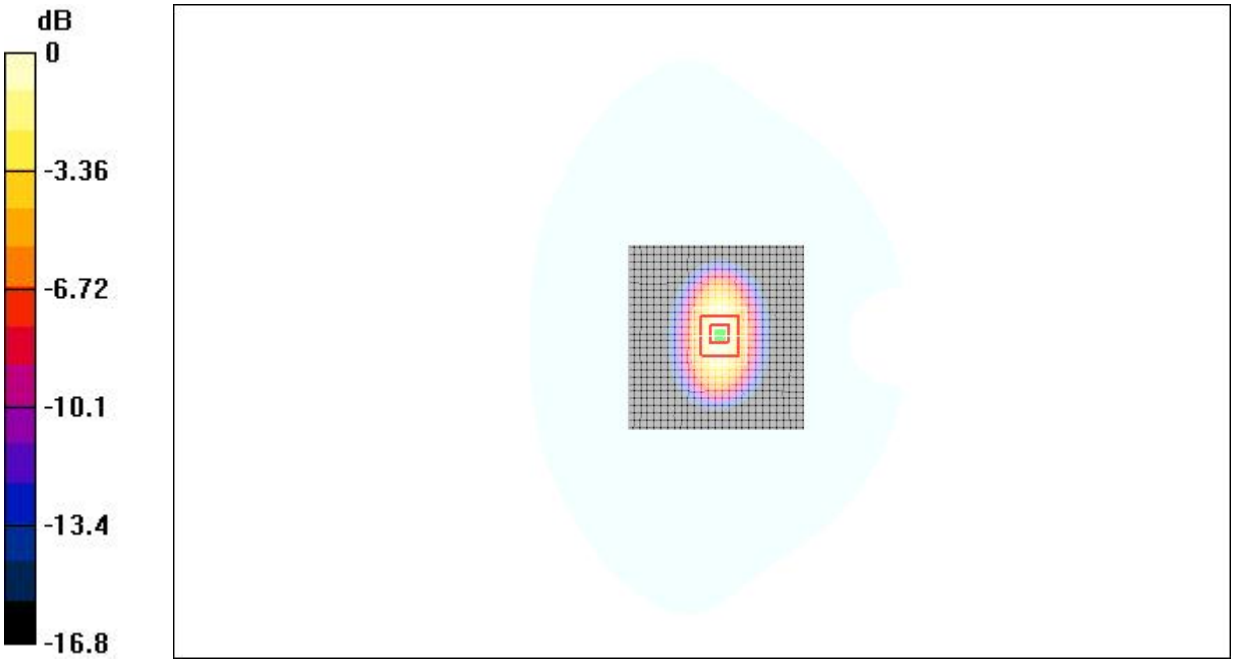
**Fig.68 validation 835MHz 250mW**

## 1900MHz

Date/Time: 2011-8-26 7:19:43
Electronics: DAE4 Sn771
Medium: Head 1900 MHz
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 39.8; $\rho$ = 1000 kg/$m^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

**System Validation/Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.5 mW/g

**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.6 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 14.6 W/kg
**SAR(1 g) = 9.74 mW/g; SAR(10 g) = 4.89 mW/g**
Maximum value of SAR (measured) = 10.5 mW/g




0 dB = 10.5mW/g

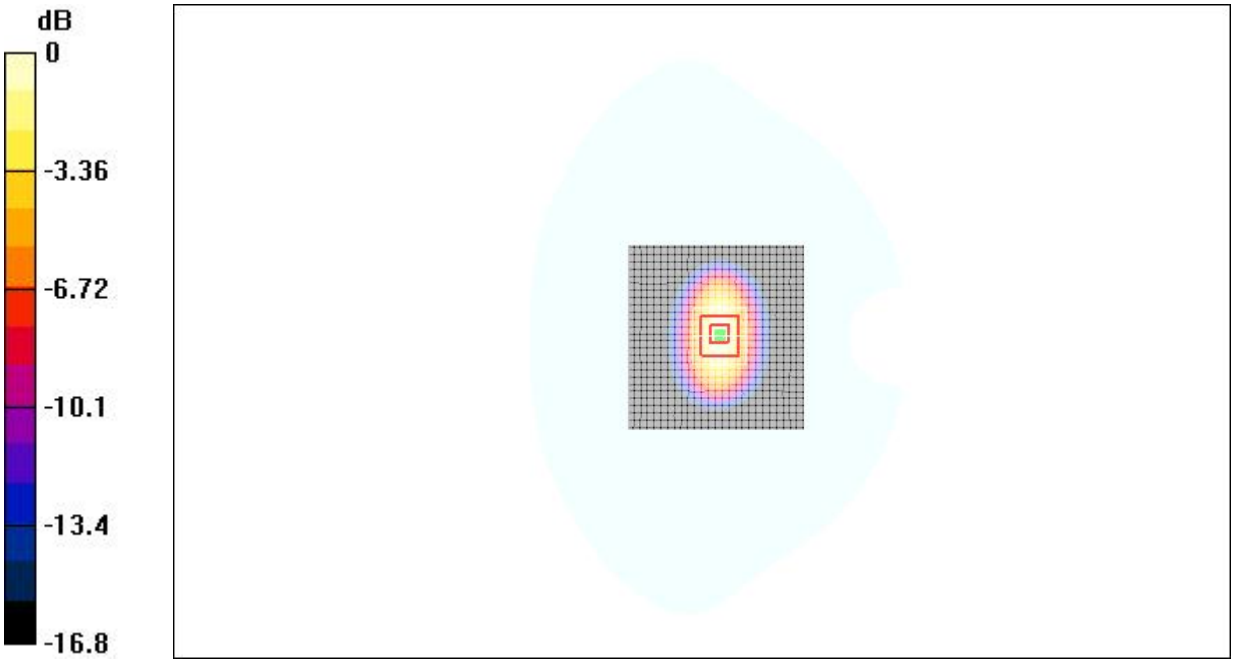
**Fig.69 validation 1900MHz 250mW**

## 1900MHz

Date/Time: 2011-8-26 12:04:25
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.0; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1
Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**System Validation/Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.7 mW/g

**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.9 V/m; Power Drift = -0.155 dB
**SAR(1 g) = 10.26 mW/g; SAR(10 g) = 5.18 mW/g**
Maximum value of SAR (measured) = 10.9 mW/g




0 dB = 10.9mW/g

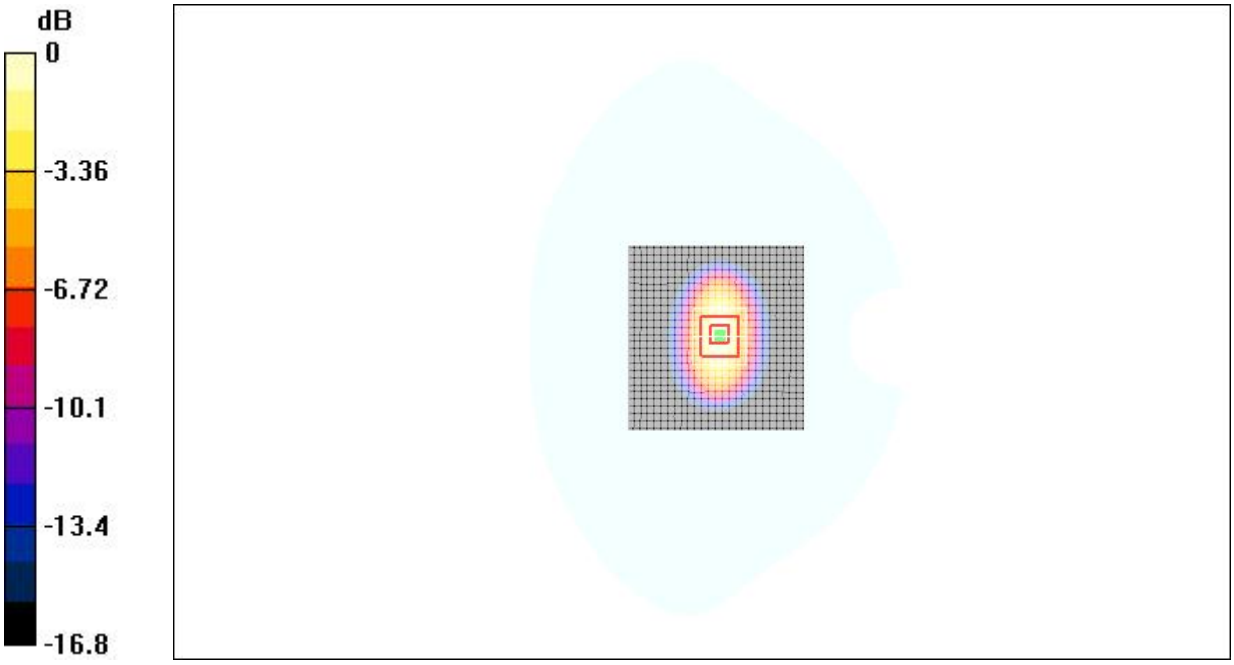
**Fig.70 validation 1900MHz 250mW**

## 2450MHz

Date/Time: 2011-8-31 7:12:08
Electronics: DAE4 Sn771
Medium: Head 2450 MHz
Medium parameters used: f = 2450 MHz; $\sigma$ = 1.82 mho/m; $\varepsilon_r$ = 39.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:23.0°C Liquid Temperature: 22.5°C
Communication System: CW Frequency: 2450 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(7.19, 7.19, 7.19)

**System Validation/Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 14.3 mW/g

**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.1 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 18.7 W/kg
**SAR(1 g) = 12.86 mW/g; SAR(10 g) = 5.92 mW/g**
Maximum value of SAR (measured) = 14.1 mW/g




0 dB = 14.1mW/g

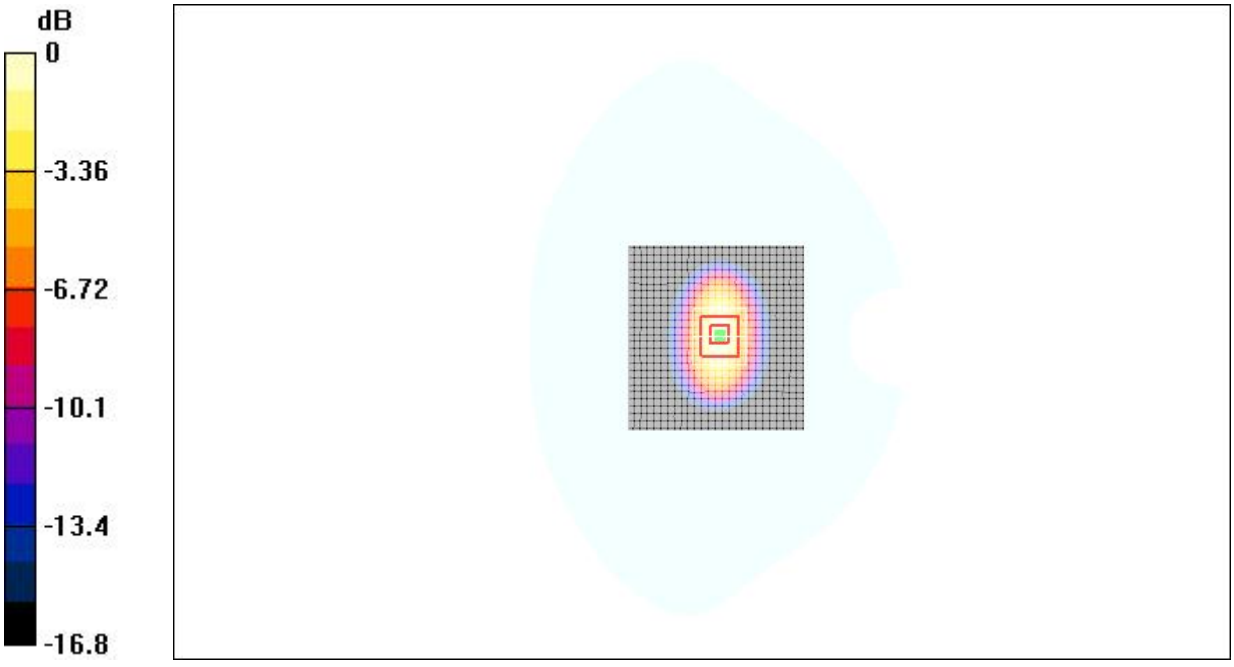
**Fig.71 validation 2450MHz 250mW**

## 2450MHz

Date/Time: 2011-8-31 13:06:42
Electronics: DAE4 Sn771
Medium: Body 2450 MHz
Medium parameters used: f = 2450 MHz; $\sigma$ = 1.94 mho/m; $\varepsilon_r$ = 52.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature:23.0oC Liquid Temperature: 22.5°C
Communication System: CW Frequency: 2450 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3617 ConvF(6.88, 6.88, 6.88)

**System Validation/Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 14.6 mW/g

**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.2 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 22.3 W/kg
**SAR(1 g) = 12.86 mW/g; SAR(10 g) = 5.91 mW/g**
Maximum value of SAR (measured) = 13.9 mW/g




0 dB = 13.9mW/g

**Fig.72 validation 2450MHz 250mW**