1900 Left Tilt High

Date/Time: 2008-6-11 17:37:39

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used: f = 1910 MHz; σ = 1.38 mho/m; ε_r = 39.3; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C　　　　Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Tilt High/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.521 mW/g

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

Reference Value = 17.5 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 0.786 W/kg

SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.265 mW/g
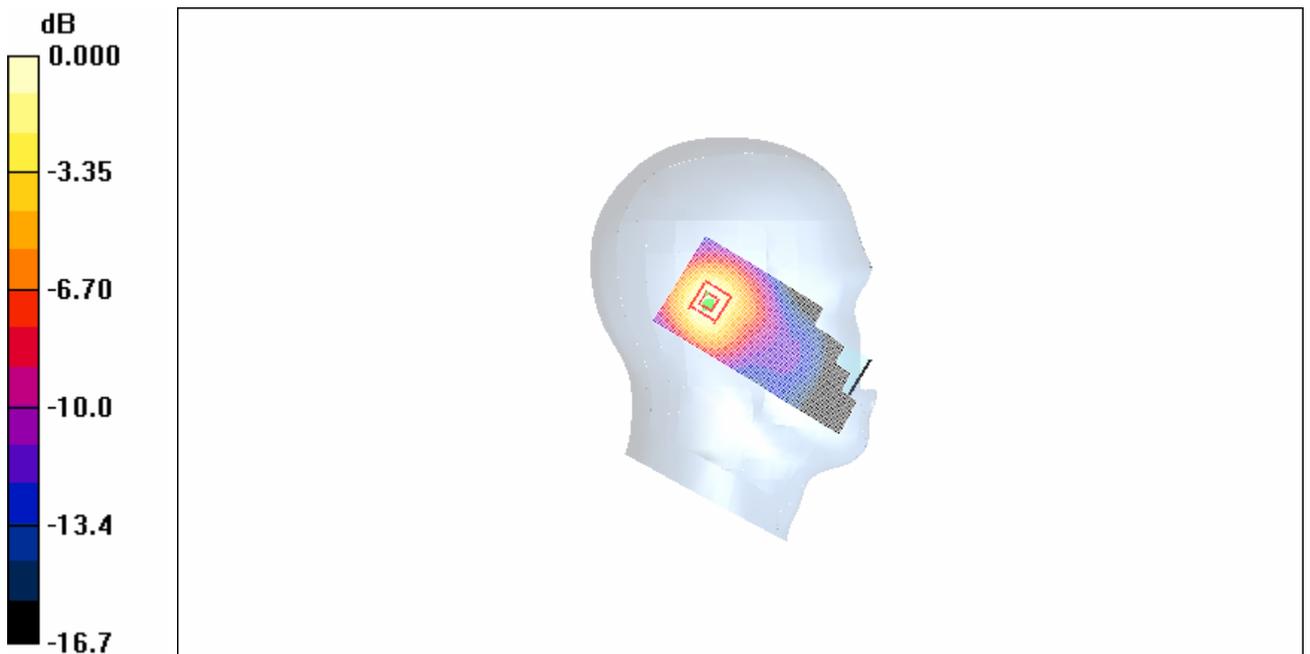
Maximum value of SAR (measured) = 0.492 mW/g

0 dB = 0.492mW/g

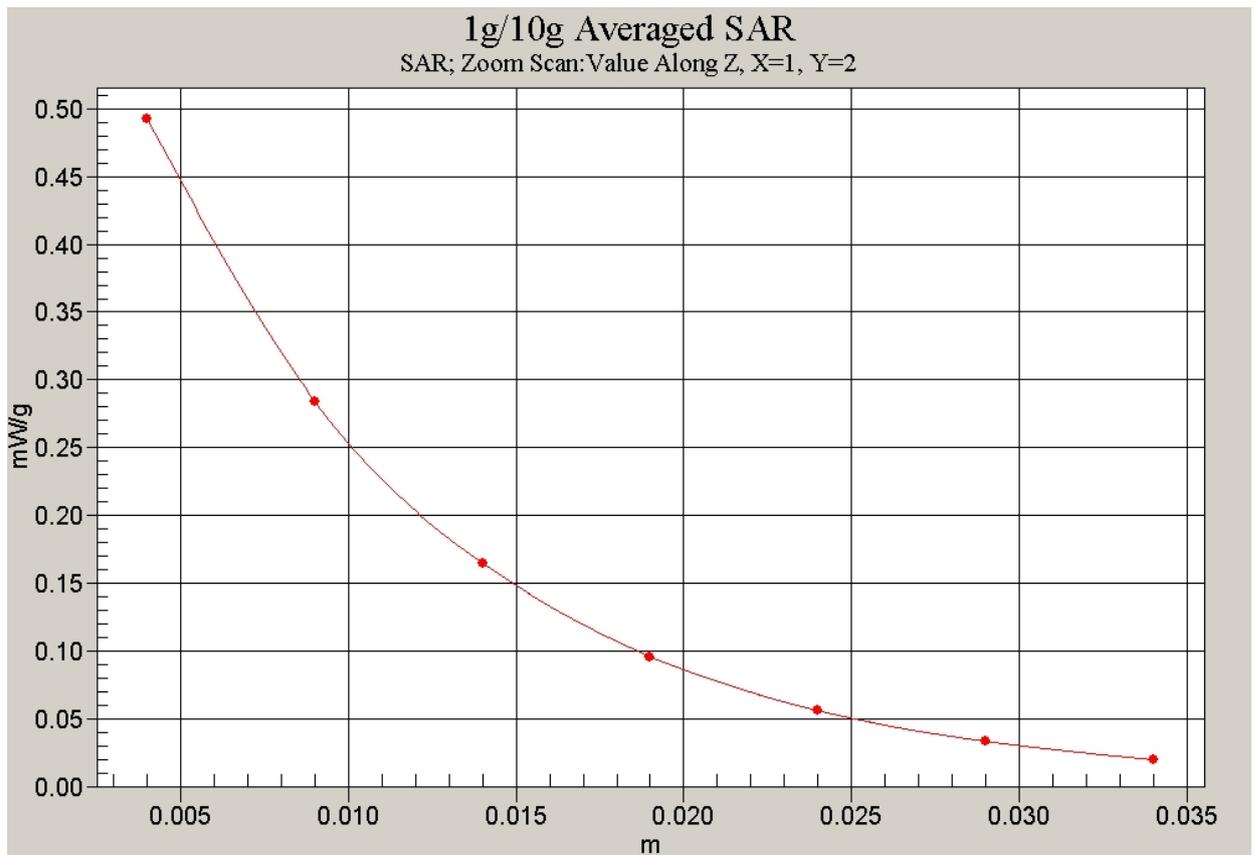**Fig. 31 Left Hand Tilt 15° PCS 1900MHz CH810**

Fig. 32 Z-Scan at power reference point (PCS 1900MHz CH810)

1900 Left Tilt Middle

Date/Time: 2008-6-11 17:18:33

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used: f = 1880 MHz; σ = 1.35 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Tilt Middle/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.585 mW/g

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

Reference Value = 18.8 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.867 W/kg

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.299 mW/g
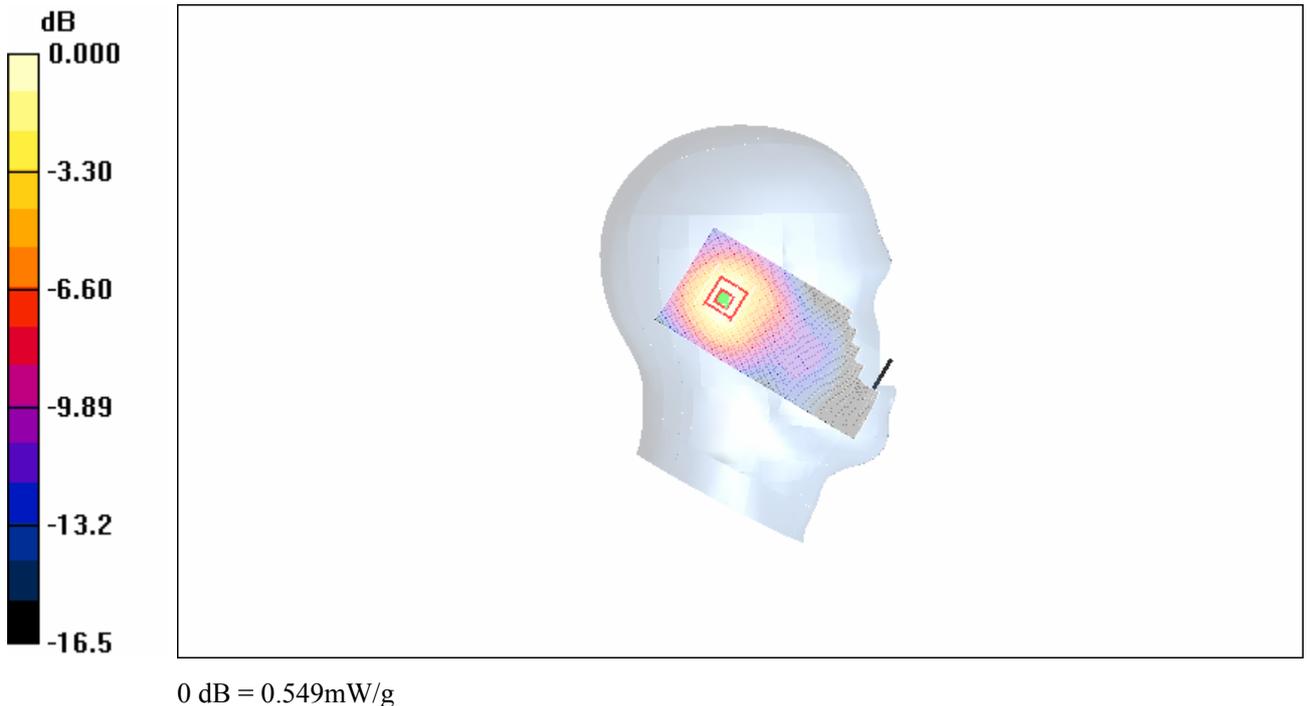
Maximum value of SAR (measured) = 0.549 mW/g

0 dB = 0.549mW/g

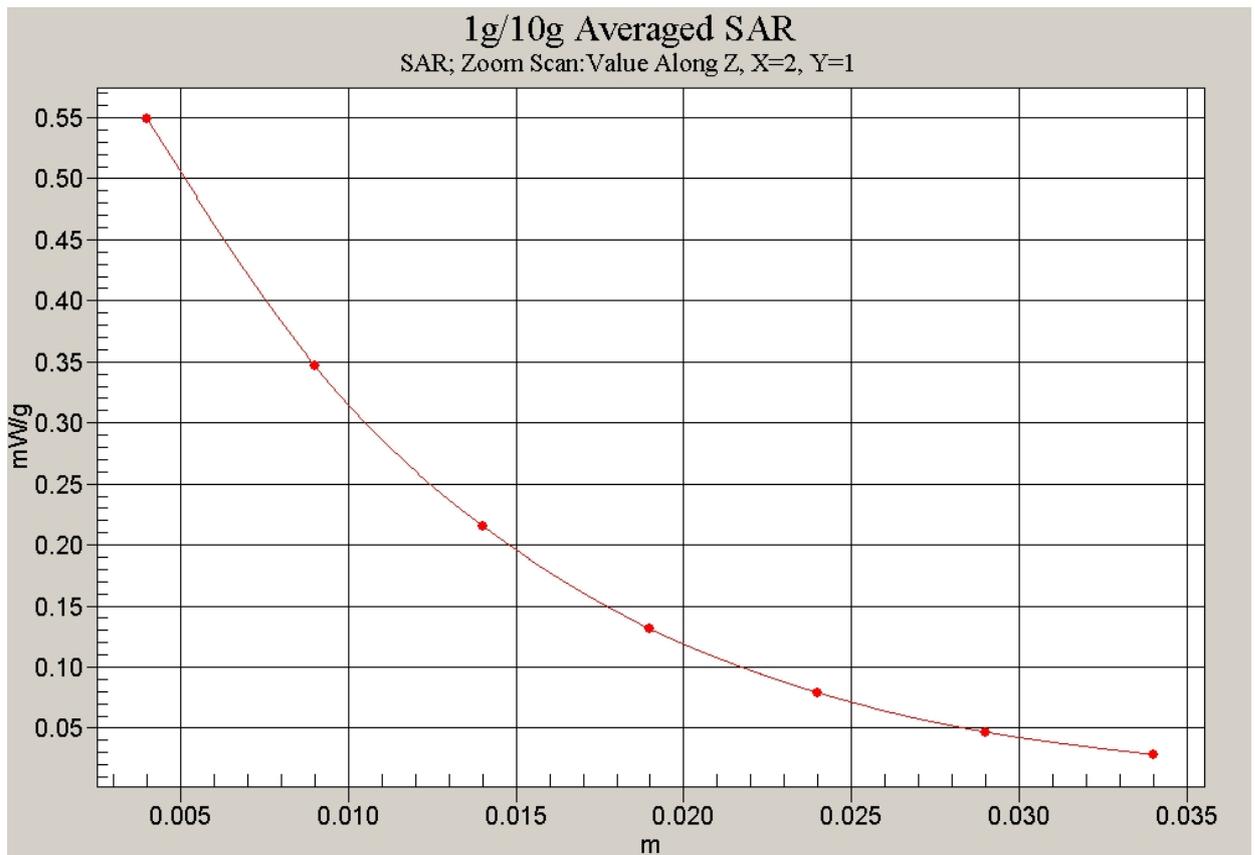**Fig. 33 Left Hand Tilt 15°PCS 1900MHz CH661**

Fig. 34 Z-Scan at power reference point (PCS 1900MHz CH661)

1900 Left Tilt Low

Date/Time: 2008-6-11 16:59:12

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.32 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Tilt Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

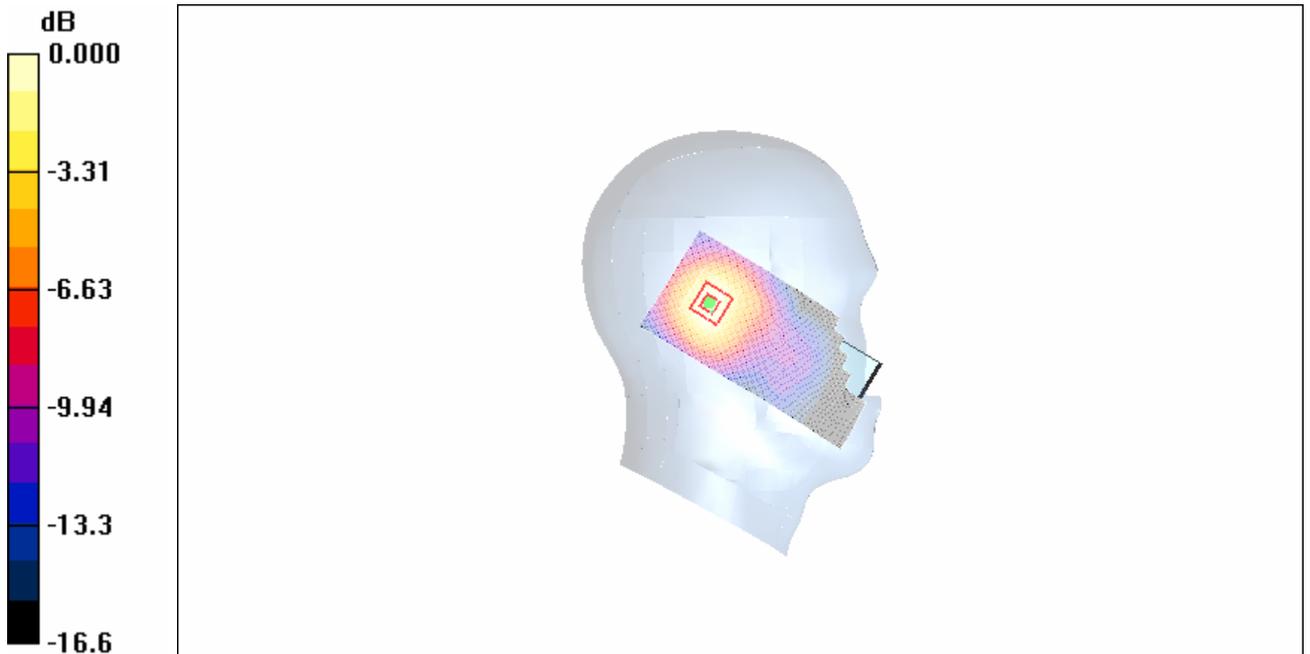Maximum value of SAR (interpolated) = 0.675 mW/g

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

Reference Value = 20.3 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.992 W/kg

SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.627 mW/g

0 dB = 0.627mW/g
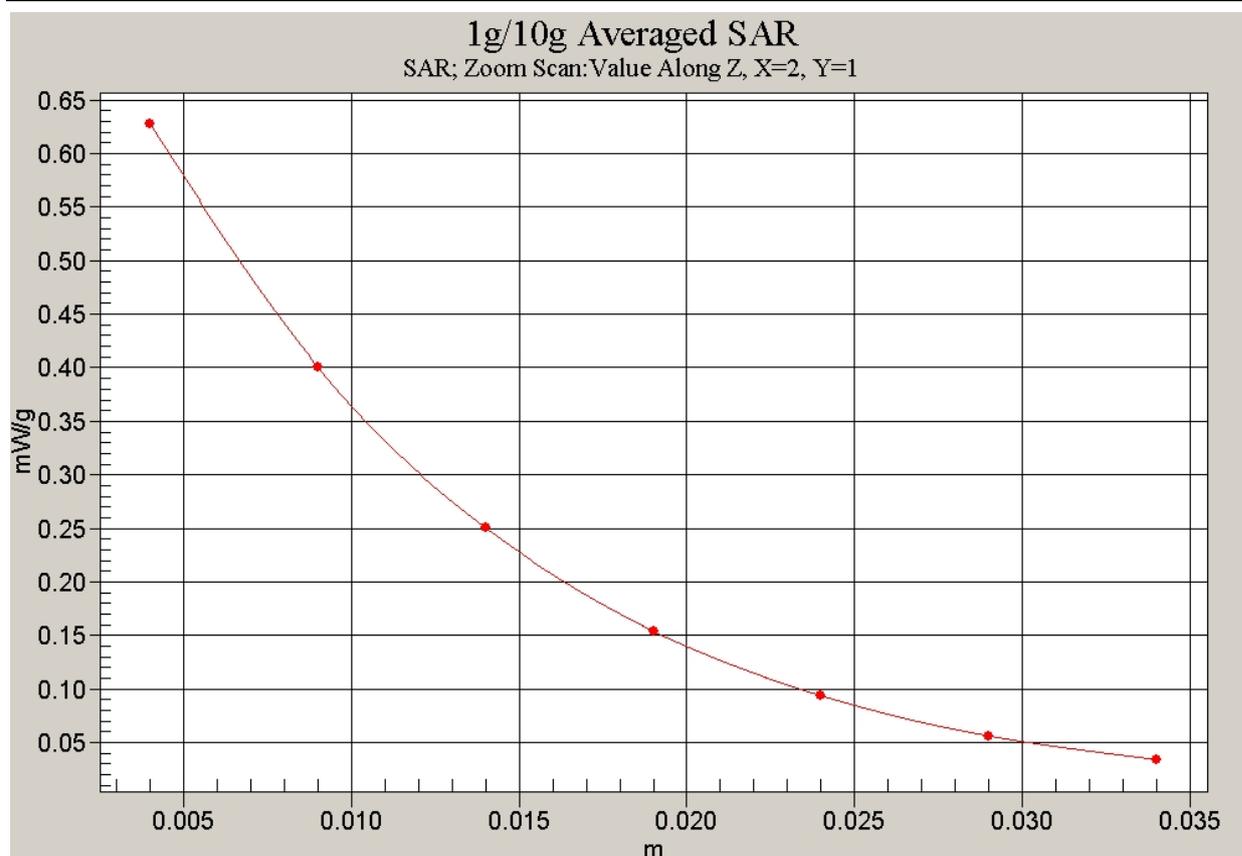
Fig. 35 Left Hand Tilt 15°PCS 1900MHz CH512

Fig. 36 Z-Scan at power reference point (PCS 1900MHz CH512)

1900 Right Cheek High

Date/Time: 2008-6-11 14:51:13

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used: f = 1910 MHz; σ = 1.38 mho/m; ε_r = 39.3; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Cheek High/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

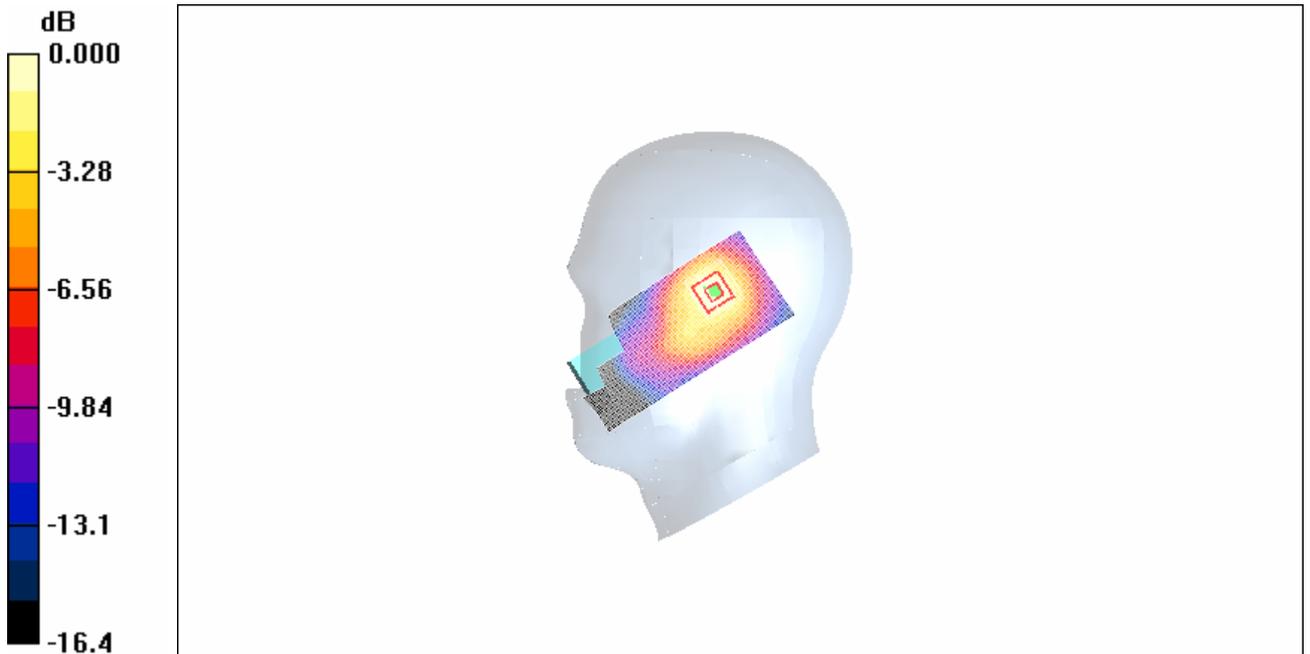Maximum value of SAR (interpolated) = 0.519 mW/g

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

Reference Value = 16.9 V/m; Power Drift = 0.194 dB

Peak SAR (extrapolated) = 0.807 W/kg

SAR(1 g) = 0.487 mW/g; SAR(10 g) = 0.274 mW/g

Maximum value of SAR (measured) = 0.484 mW/g

0 dB = 0.484mW/g

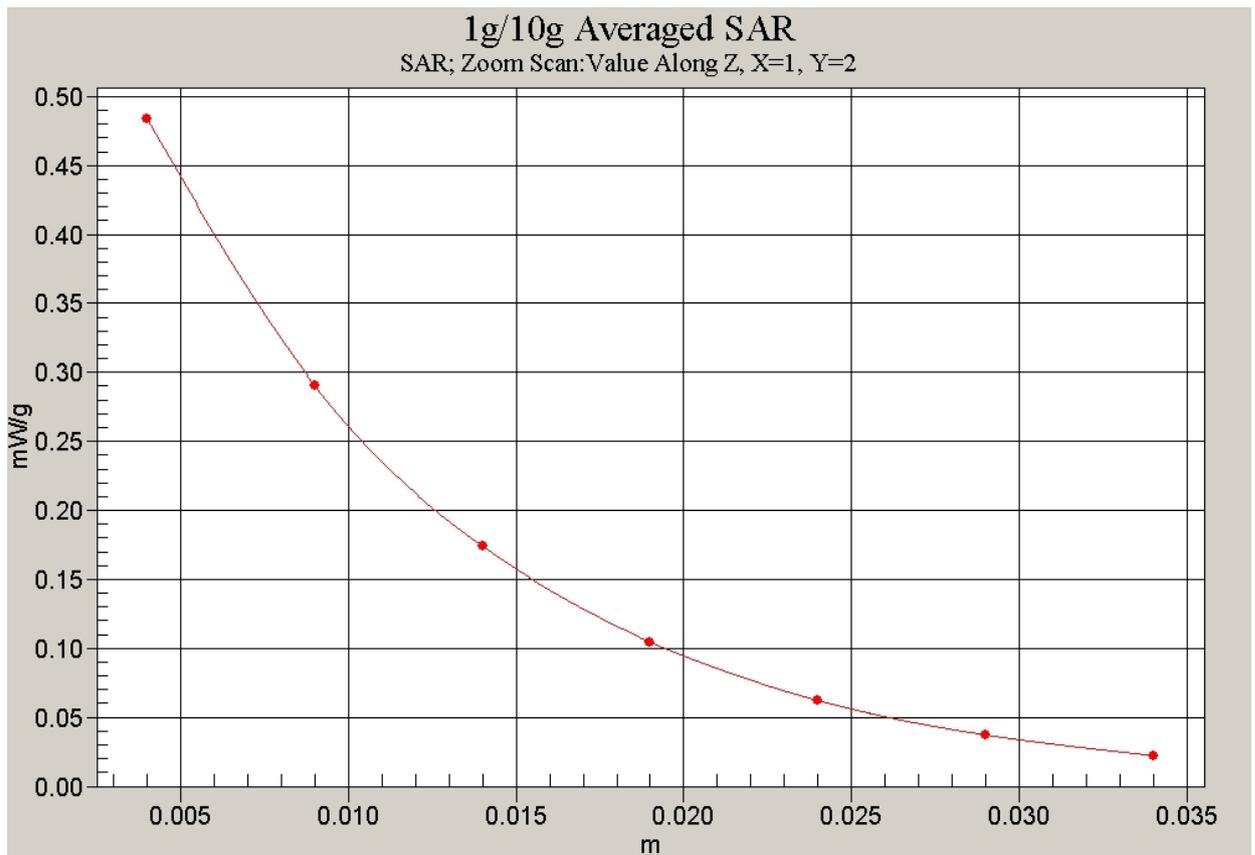**Fig. 37 Right Hand Touch Cheek PCS 1900MHz CH810**

Fig. 38 Z-Scan at power reference point (PCS 1900MHz CH810)

1900 Right Cheek Middle

Date/Time: 2008-6-11 15:09:41

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used: f = 1880 MHz; σ = 1.35 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Cheek Middle/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.608 mW/g

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

Reference Value = 18.8 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 0.965 W/kg

SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.324 mW/g

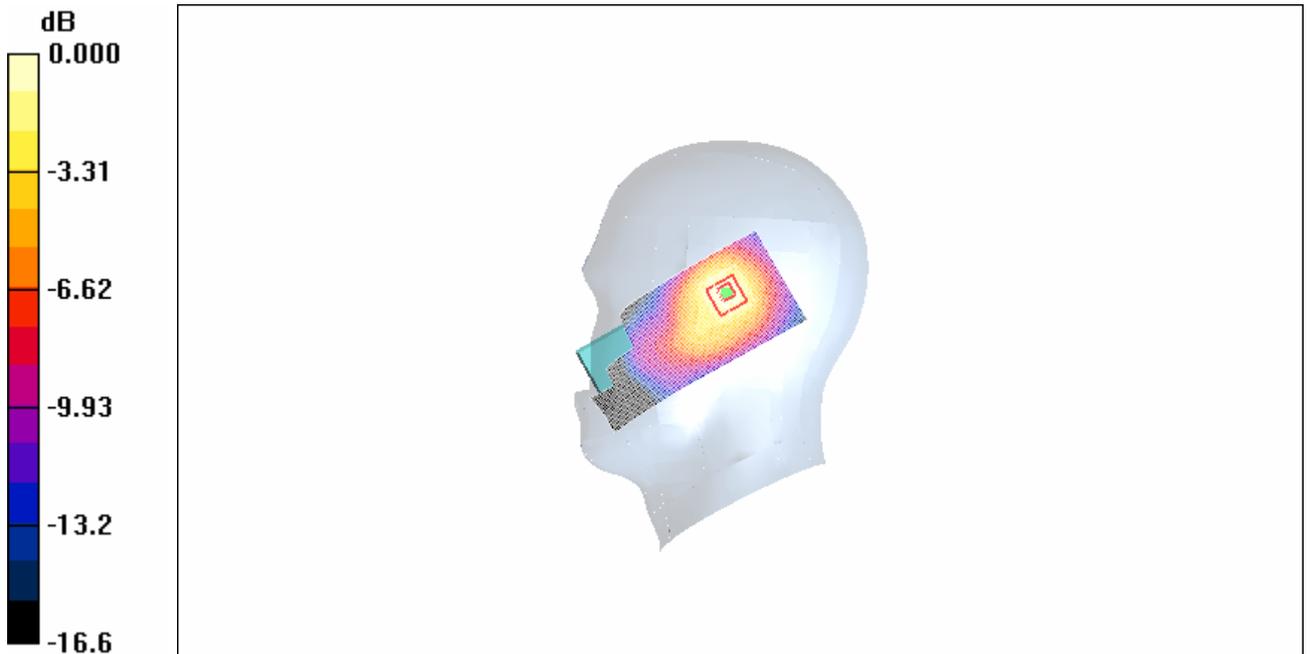Maximum value of SAR (measured) = 0.582 mW/g

0 dB = 0.582mW/g

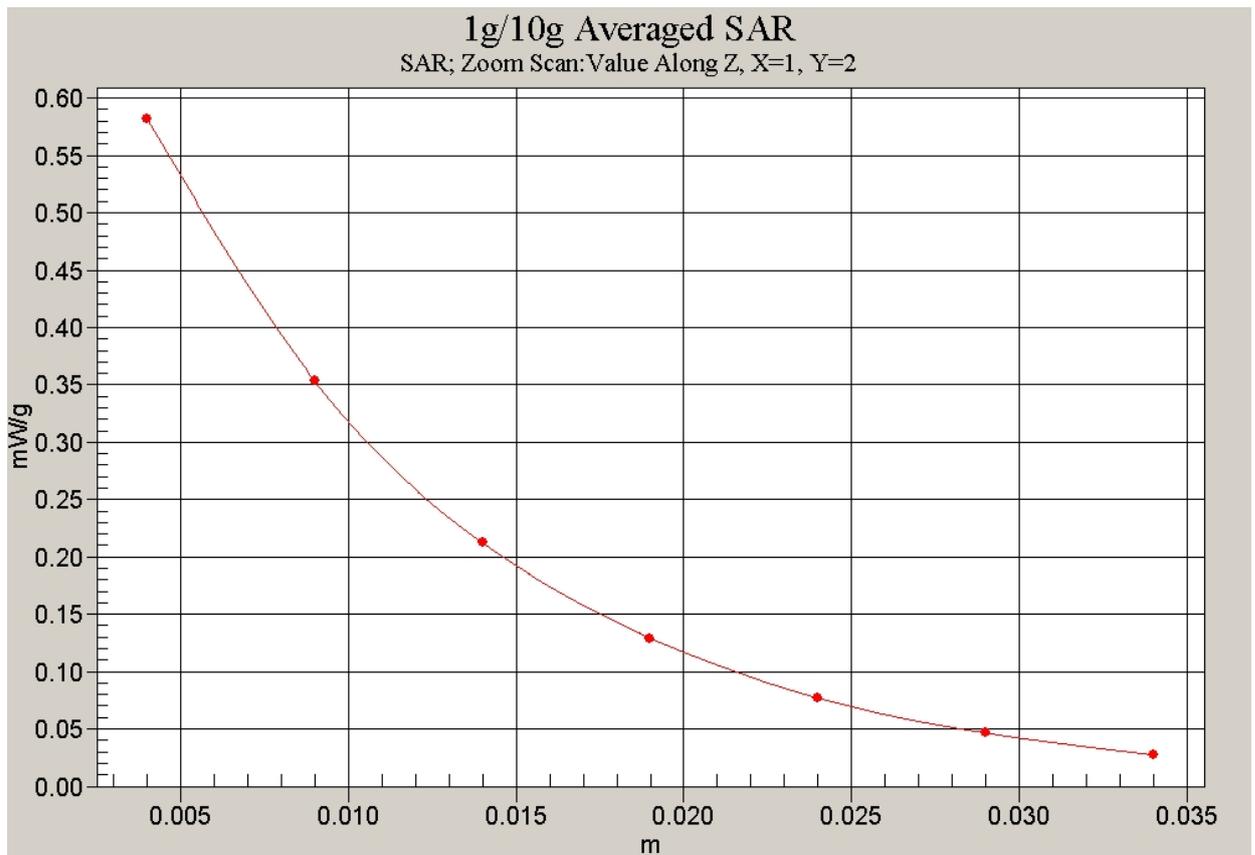**Fig.39 Right Hand Touch Cheek PCS 1900MHz CH661**

Fig. 40 Z-Scan at power reference point (PCS 1900MHz CH661)

1900 Right Cheek Low

Date/Time: 2008-6-11 15:22:12

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.32 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Cheek Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

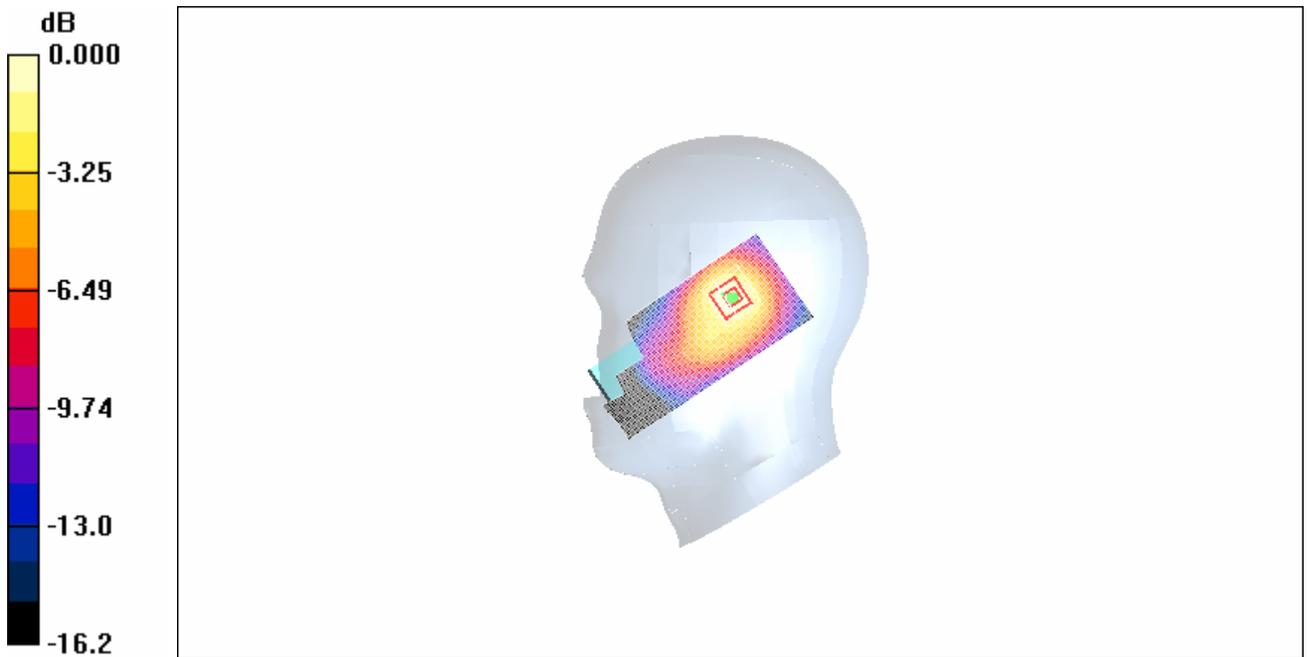Maximum value of SAR (interpolated) = 0.665 mW/g

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

Reference Value = 20.2 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.357 mW/g

Maximum value of SAR (measured) = 0.627 mW/g

0 dB = 0.627mW/g
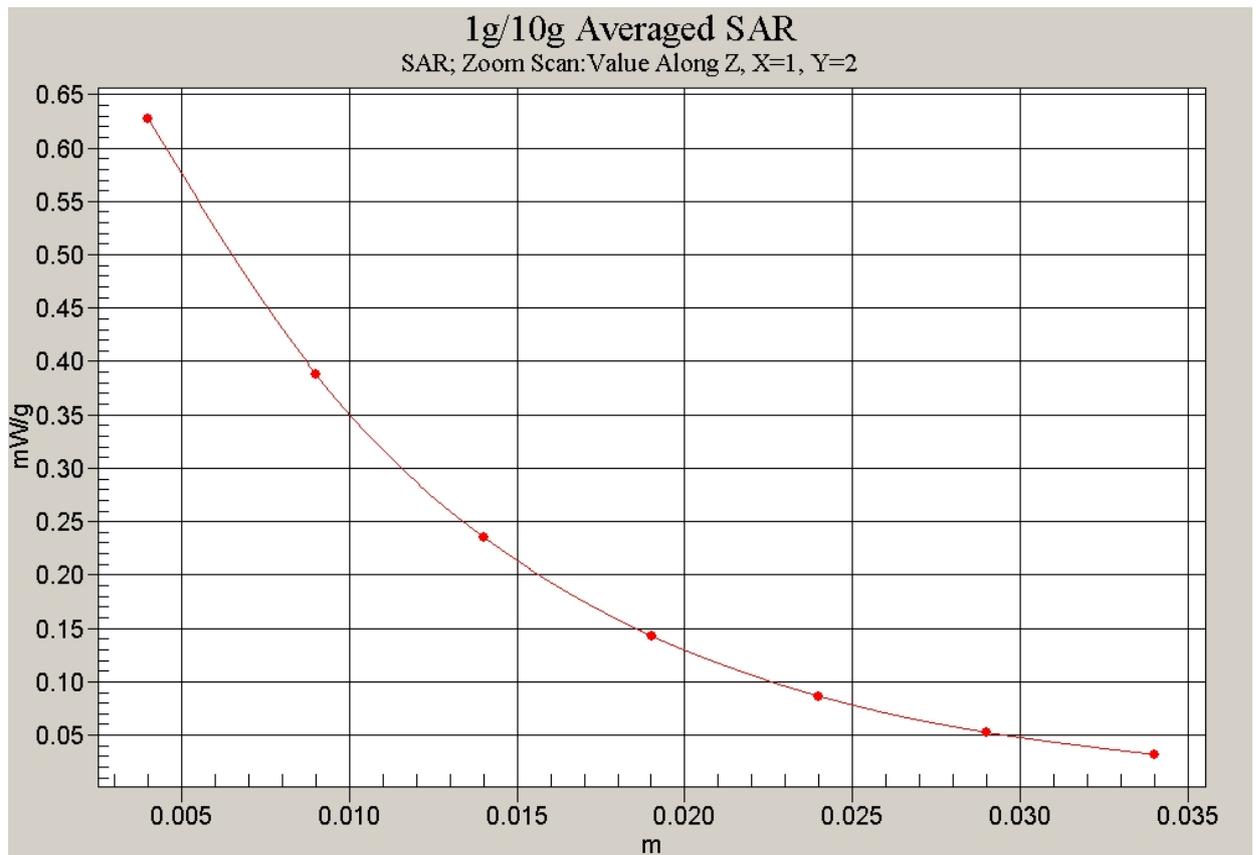

Fig. 41 Right Hand Touch Cheek PCS 1900MHz CH512

Fig. 42 Z-Scan at power reference point (PCS 1900MHz CH512)

1900 Right Tilt High

Date/Time: 2008-6-11 16:05:55

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used: f = 1910 MHz; σ = 1.38 mho/m; ε_r = 39.3; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Tilt High/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

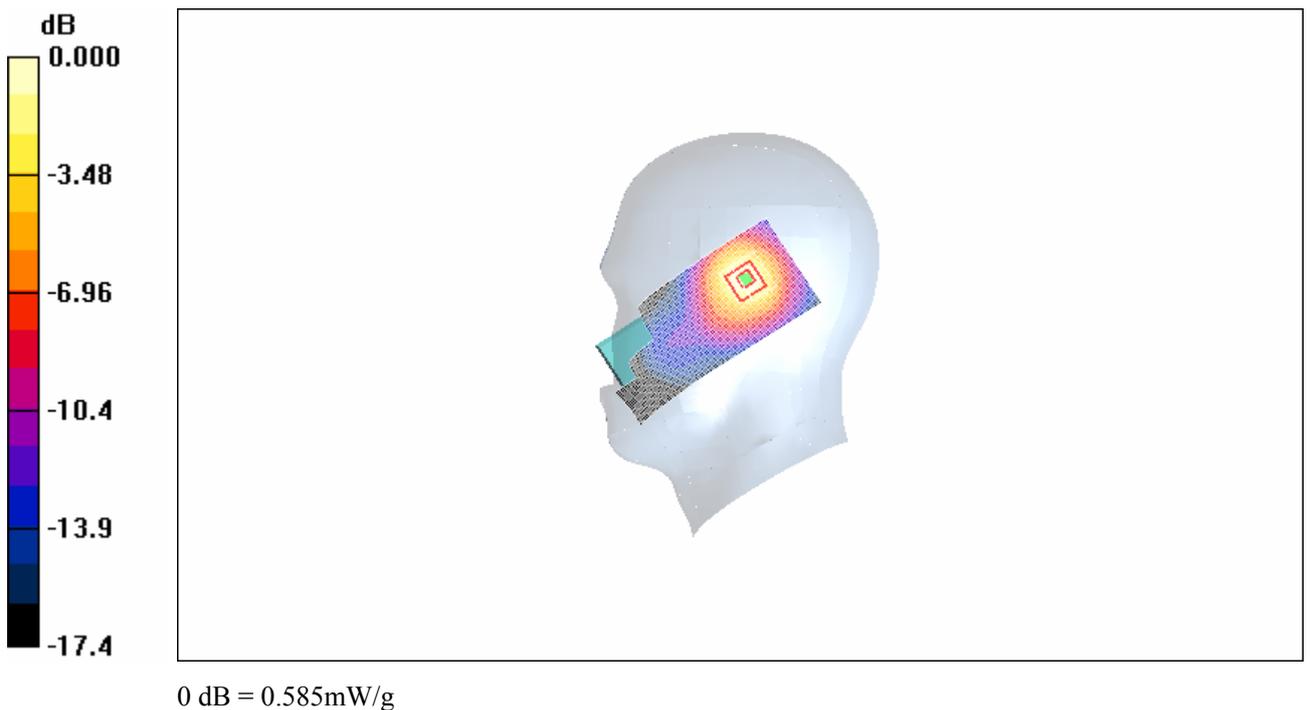Maximum value of SAR (interpolated) = 0.635 mW/g

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

Reference Value = 18.7 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.979 W/kg

SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.313 mW/g

Maximum value of SAR (measured) = 0.585 mW/g

0 dB = 0.585mW/g

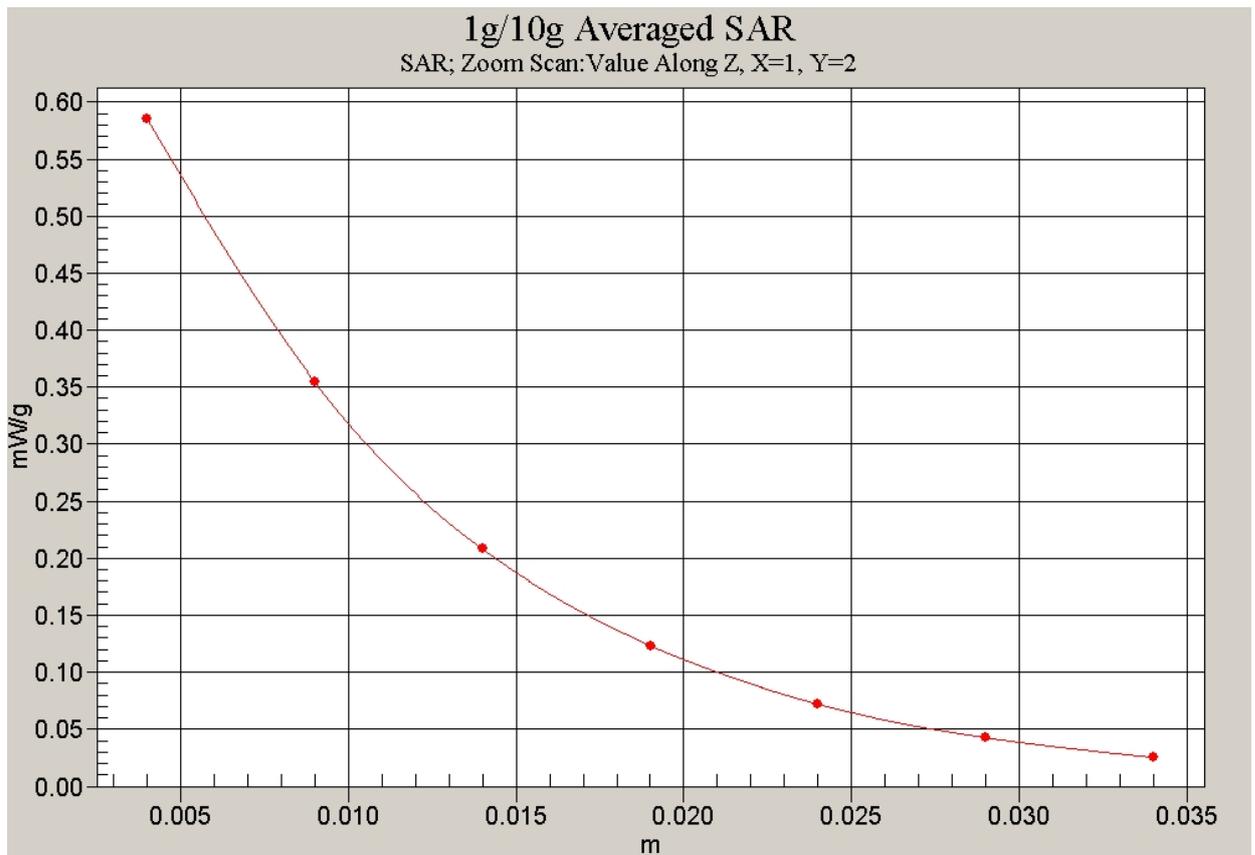**Fig. 43 Right Hand Tilt 15°PCS 1900MHz CH810**

Fig. 44 Z-Scan at power reference point (PCS 1900MHz CH810)

1900 Right Tilt Middle

Date/Time: 2008-6-11 15:54:03

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used: f = 1880 MHz; σ = 1.35 mho/m; $ε_r$ = 39.4; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C　　　　Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Tilt Middle/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

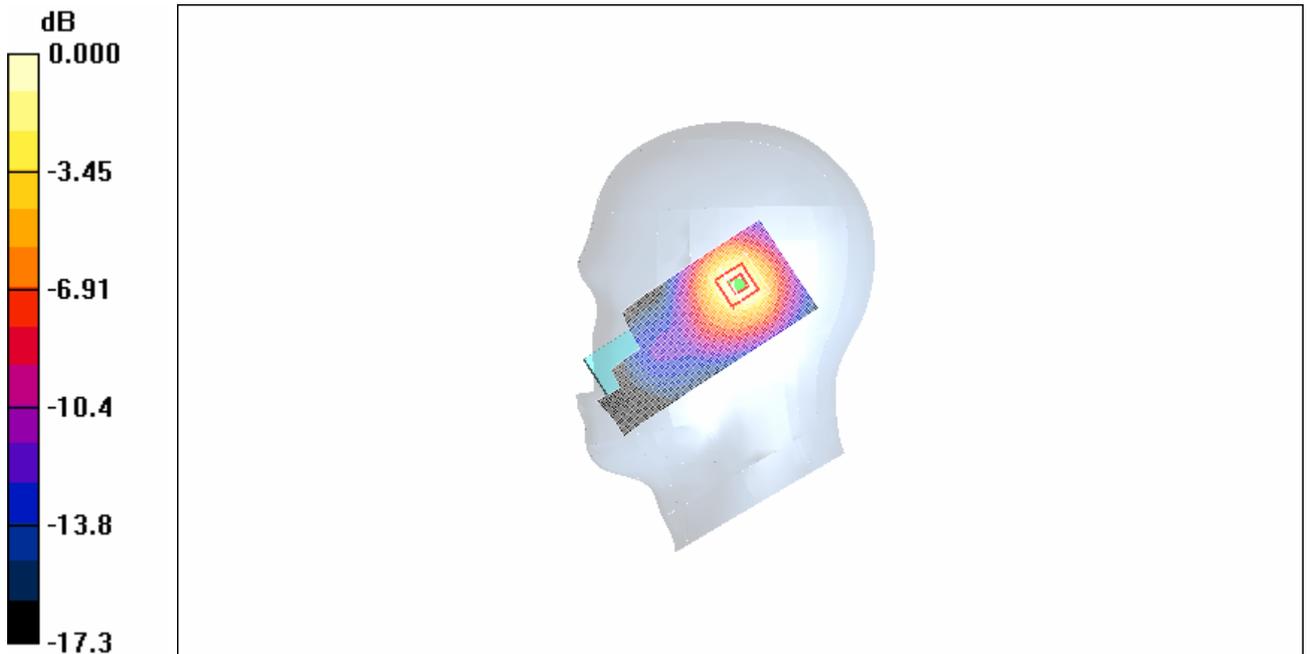Maximum value of SAR (interpolated) = 0.726 mW/g

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

Reference Value = 20.3 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.363 mW/g

Maximum value of SAR (measured) = 0.673 mW/g

0 dB = 0.673mW/g

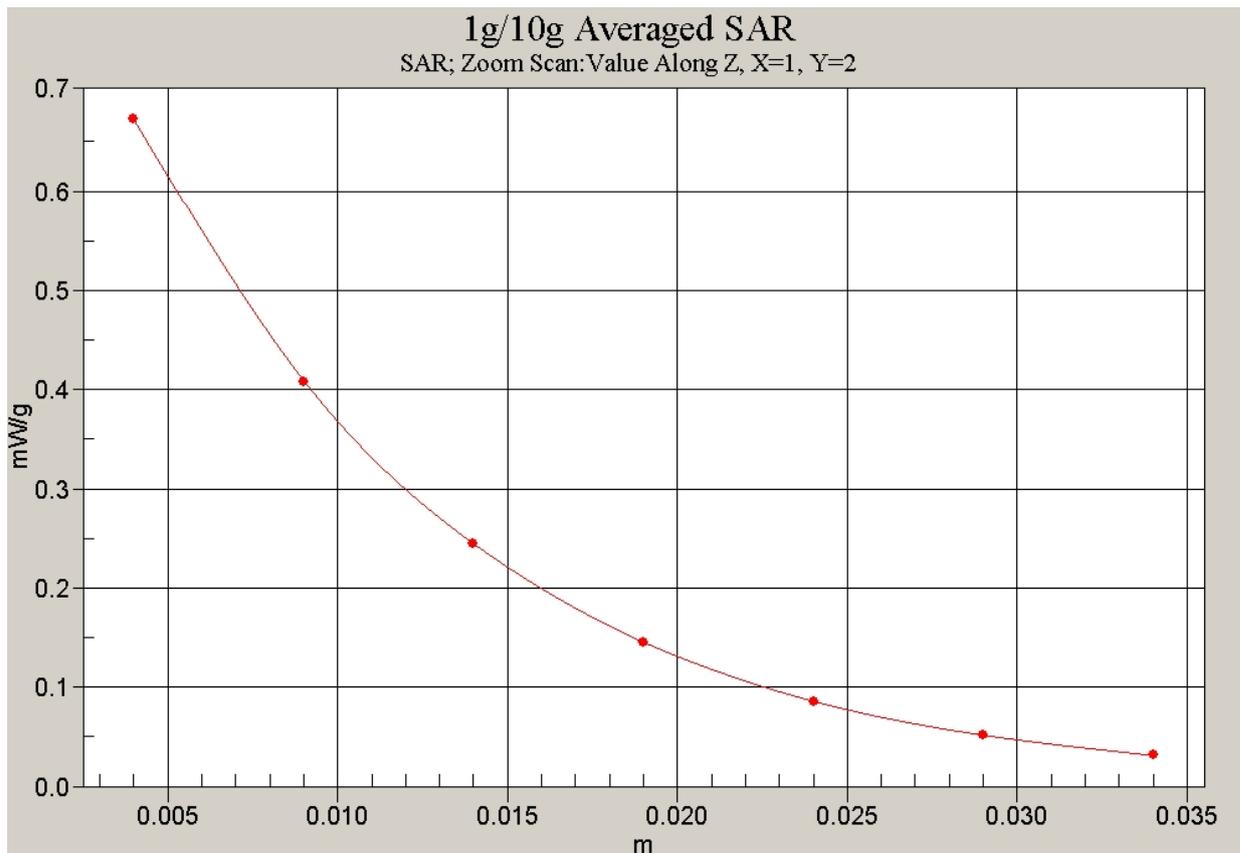**Fig. 45 Right Hand Tilt 15°PCS 1900MHz CH661**

Fig. 46 Z-Scan at power reference point (PCS 1900MHz CH661)

1900 Right Tilt Low

Date/Time: 2008-6-11 15:34:42

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.32 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

Tilt Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

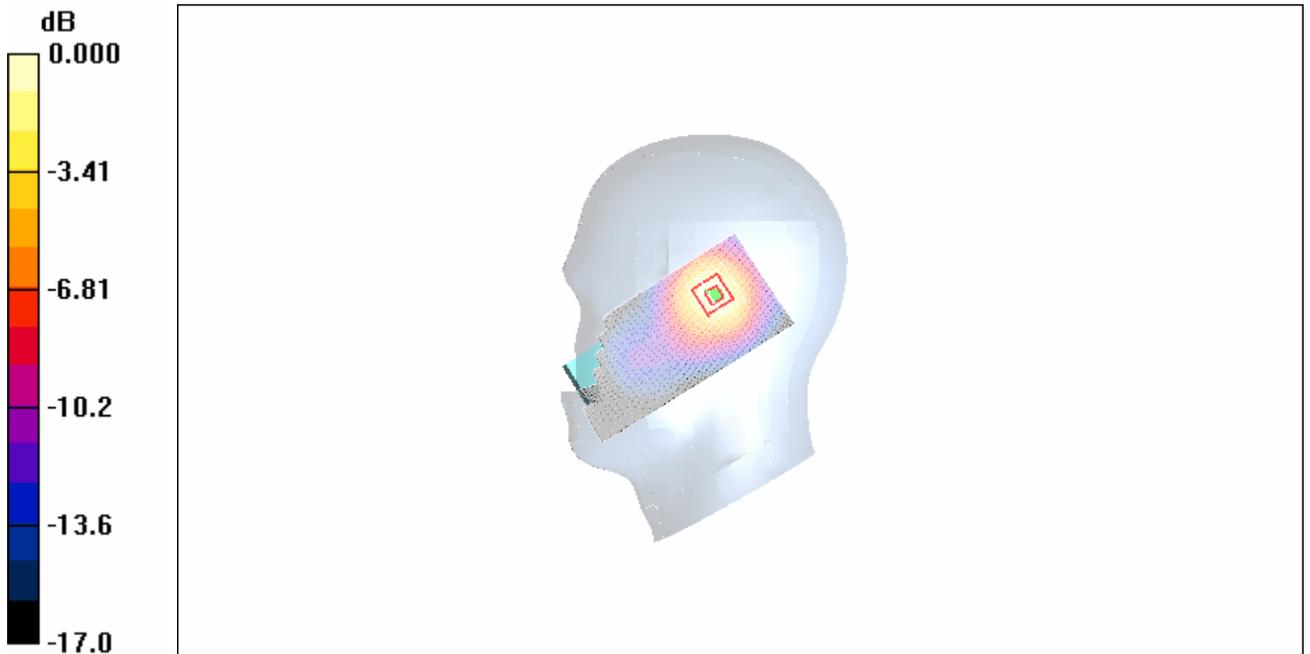Maximum value of SAR (interpolated) = 0.861 mW/g

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

Reference Value = 21.8 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.427 mW/g

Maximum value of SAR (measured) = 0.791 mW/g

0 dB = 0.791mW/g

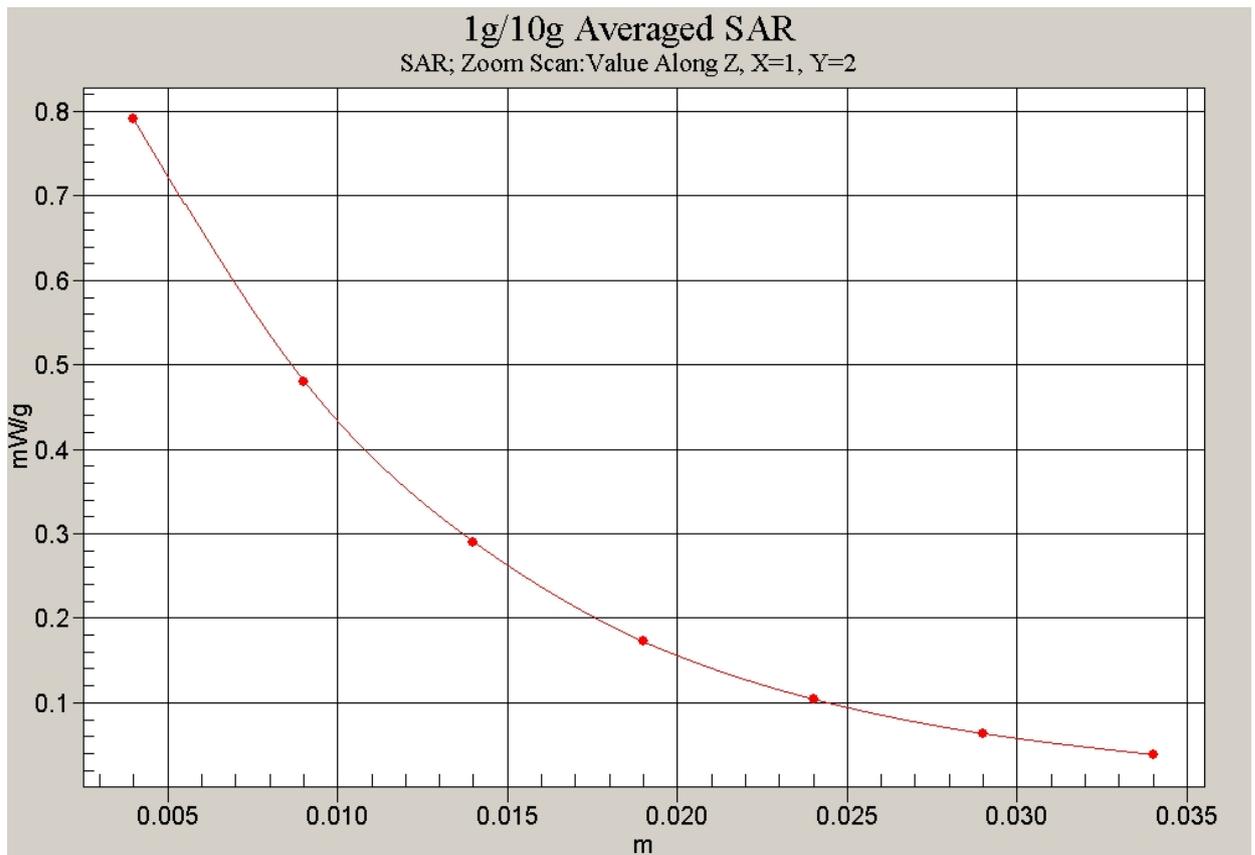**Fig. 47 Right Hand Tilt 15°PCS 1900MHz CH512**

Fig. 48 Z-Scan at power reference point (PCS 1900MHz CH512)

850 Body Towards Phantom High

Date/Time: 2008-6-10 17:20:02

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated): f = 848.8 MHz; σ = 1.05 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C　　　　Liqiud Temperature: 22.5^{o}C

Communication System: GSM 850 Frequency: 848.8 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

Toward Phantom High/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

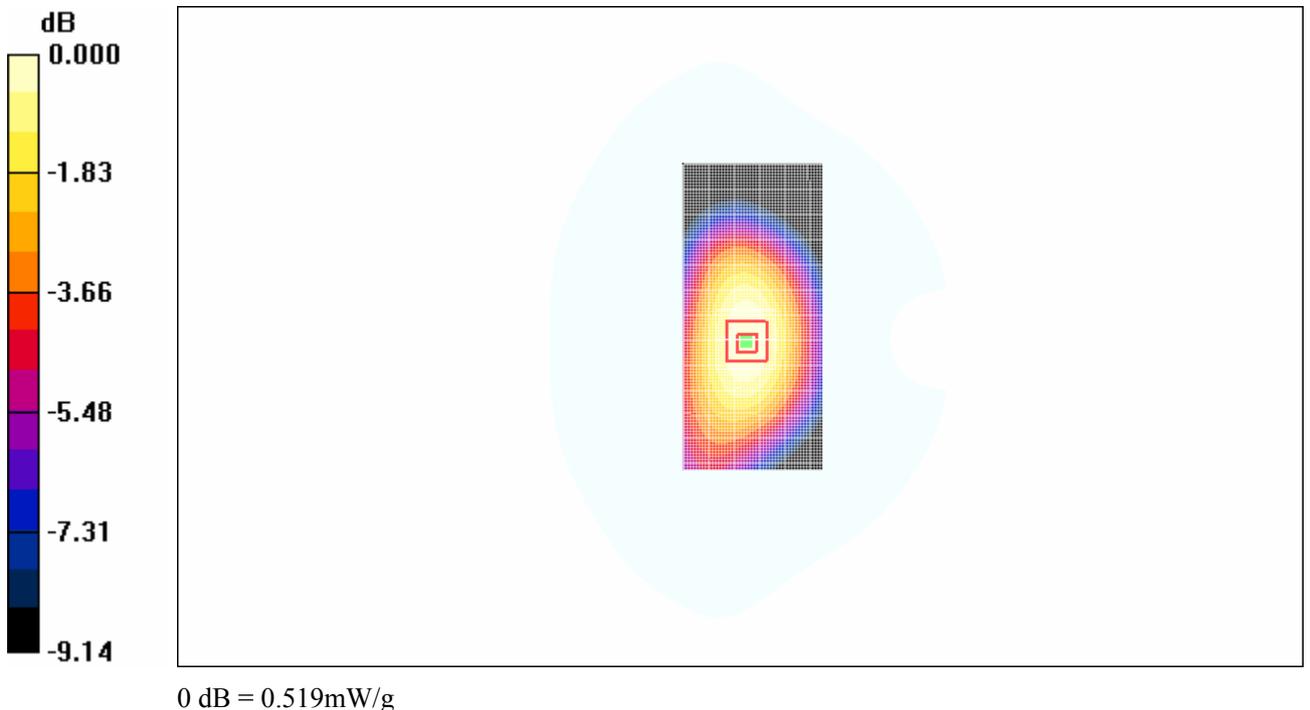Maximum value of SAR (interpolated) = 0.524 mW/g

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

Reference Value = 22.7 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.647 W/kg

SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.519 mW/g

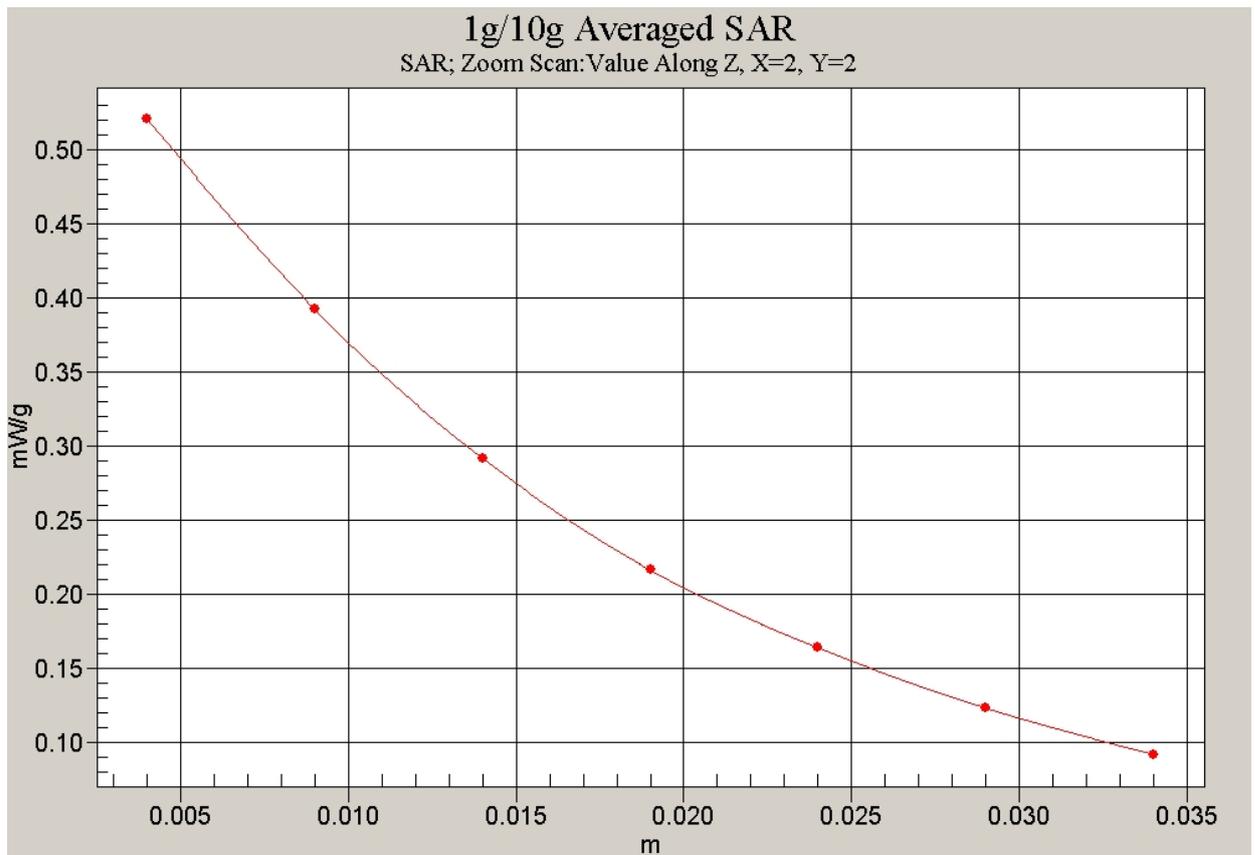0 dB = 0.519mW/g

Fig. 49　850 MHz CH251

Fig. 50 Z-Scan at power reference point (850 MHz CH251)

850 Body Towards Phantom Middle

Date/Time: 2008-6-10 17:06:38

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated): f = 836.6 MHz; σ = 1.04 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C　　　　Liqiud Temperature: 22.5^{o}C

Communication System: GSM 850 Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

Toward Phantom Middle/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm
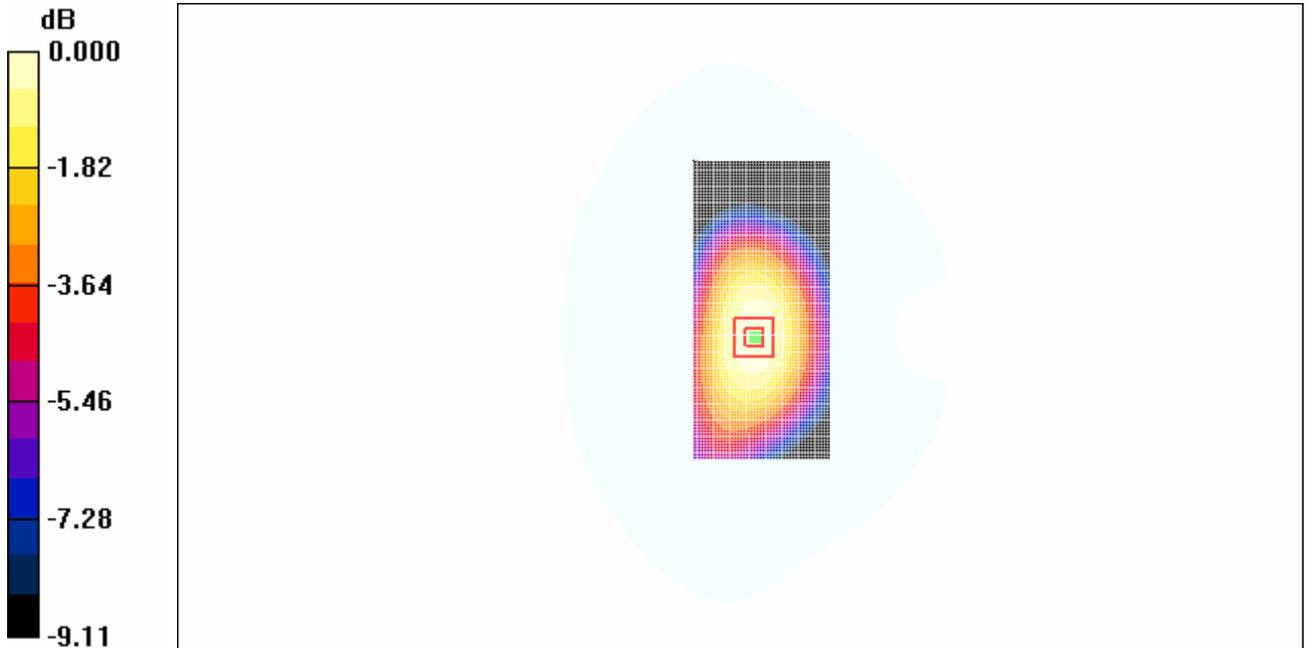
Maximum value of SAR (interpolated) = 0.667 mW/g

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

Reference Value = 25.8 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.842 W/kg

SAR(1 g) = 0.635 mW/g; SAR(10 g) = 0.459 mW/g

Maximum value of SAR (measured) = 0.672 mW/g
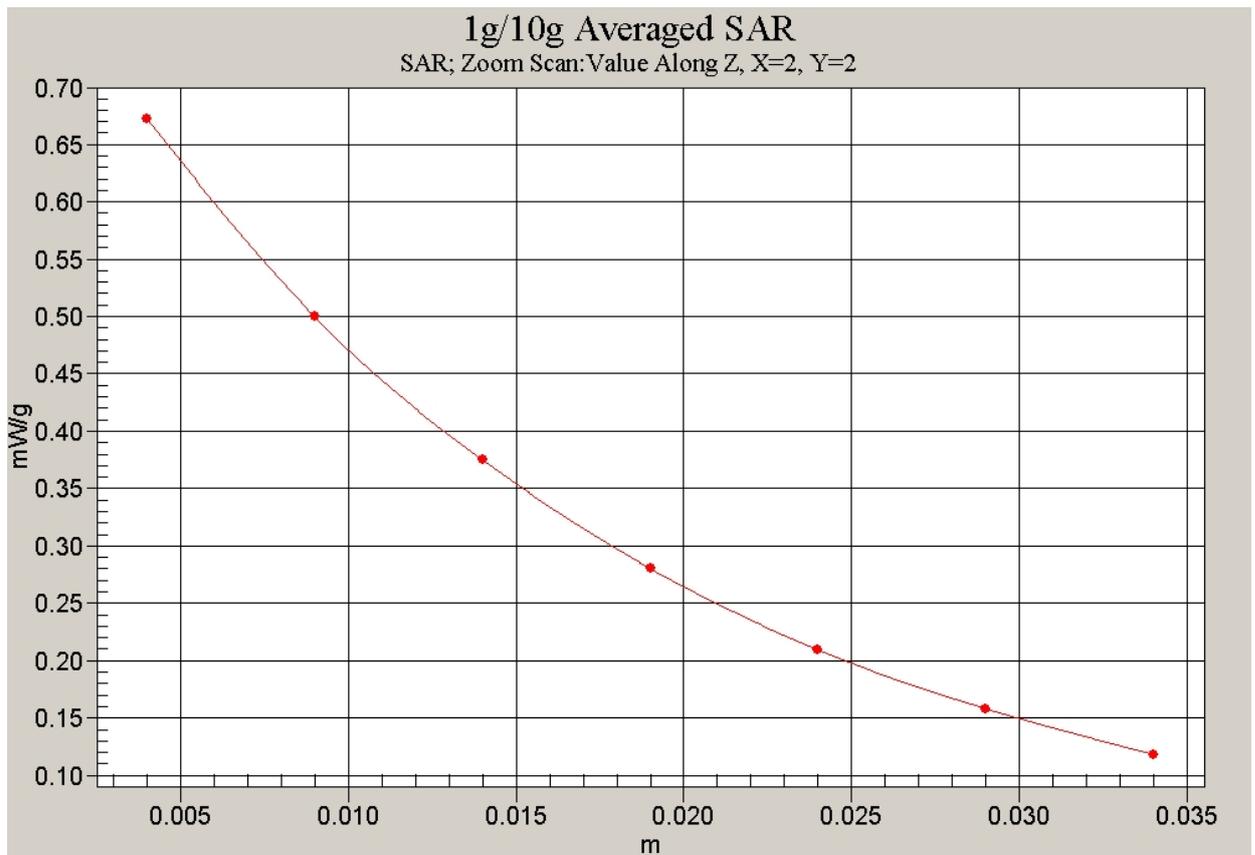

0 dB = 0.672mW/g

Fig. 51　　850 MHz CH190

Fig. 52 Z-Scan at power reference point (850 MHz CH190)

850 Body Towards Phantom Low

Date/Time: 2008-6-10 16:52:56

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used: f = 825 MHz; σ = 1.03 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liqiud Temperature: 22.5^{o}C

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

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

Toward Phantom Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

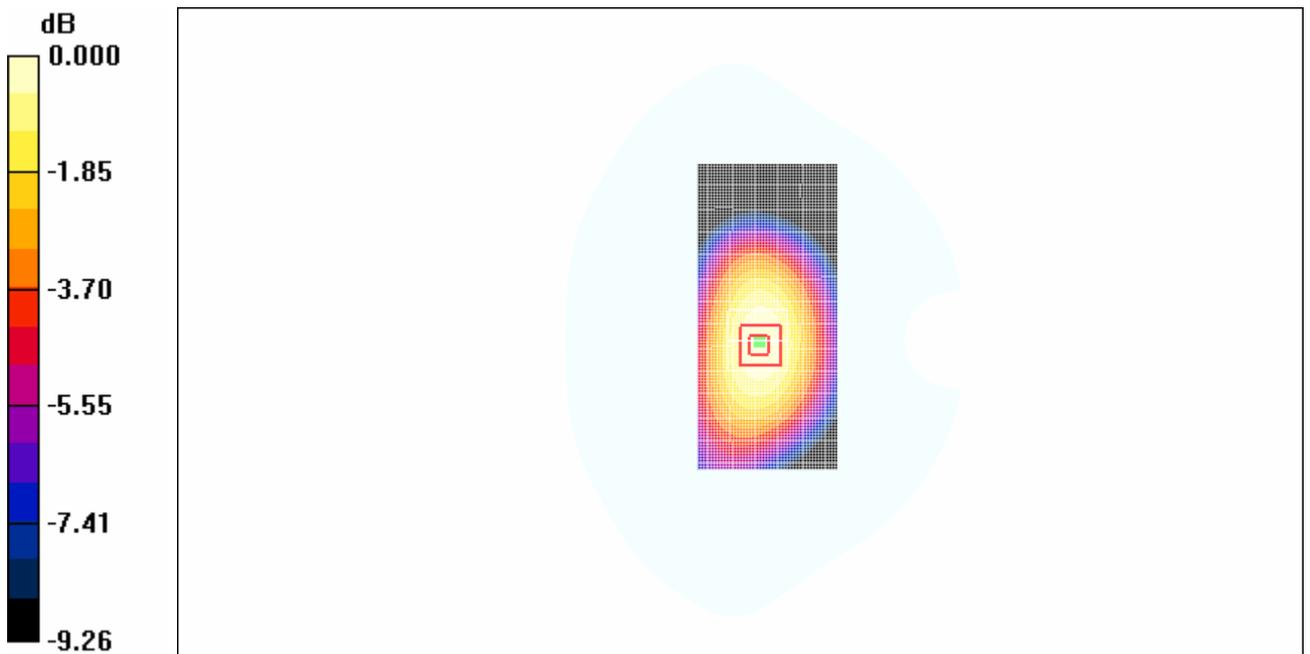Maximum value of SAR (interpolated) = 0.727 mW/g

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

Reference Value = 26.9 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.903 W/kg

SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.498 mW/g

Maximum value of SAR (measured) = 0.728 mW/g

0 dB = 0.728mW/g
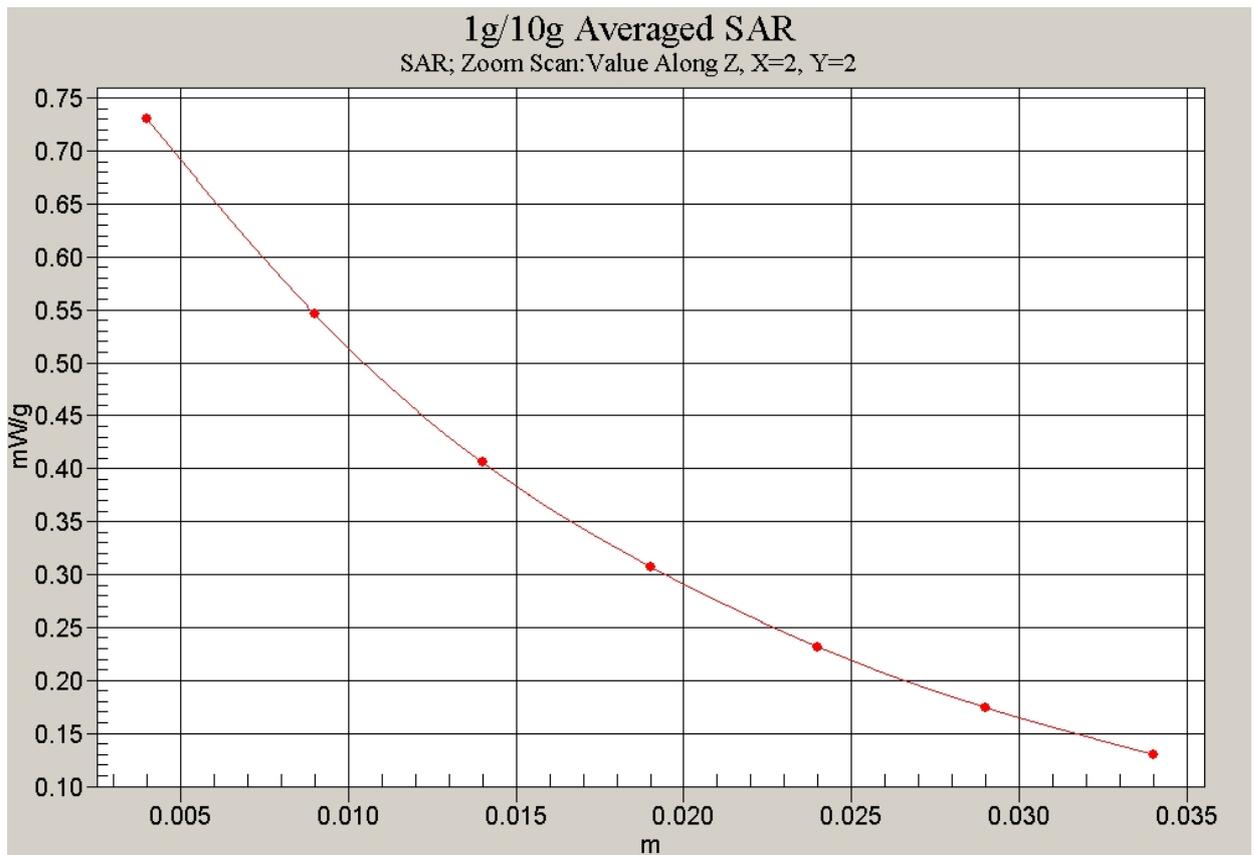

Fig. 53   850 MHz CH128

Fig. 54 Z-Scan at power reference point (850 MHz CH128)

850 Body Towards Ground High

Date/Time: 2008-6-10 17:34:31

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated): f = 848.8 MHz; σ = 1.05 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C　　　　Liqiud Temperature: 22.5^{o}C

Communication System: GSM 850 Frequency: 848.8 MHz Duty Cycle: 1:8.3
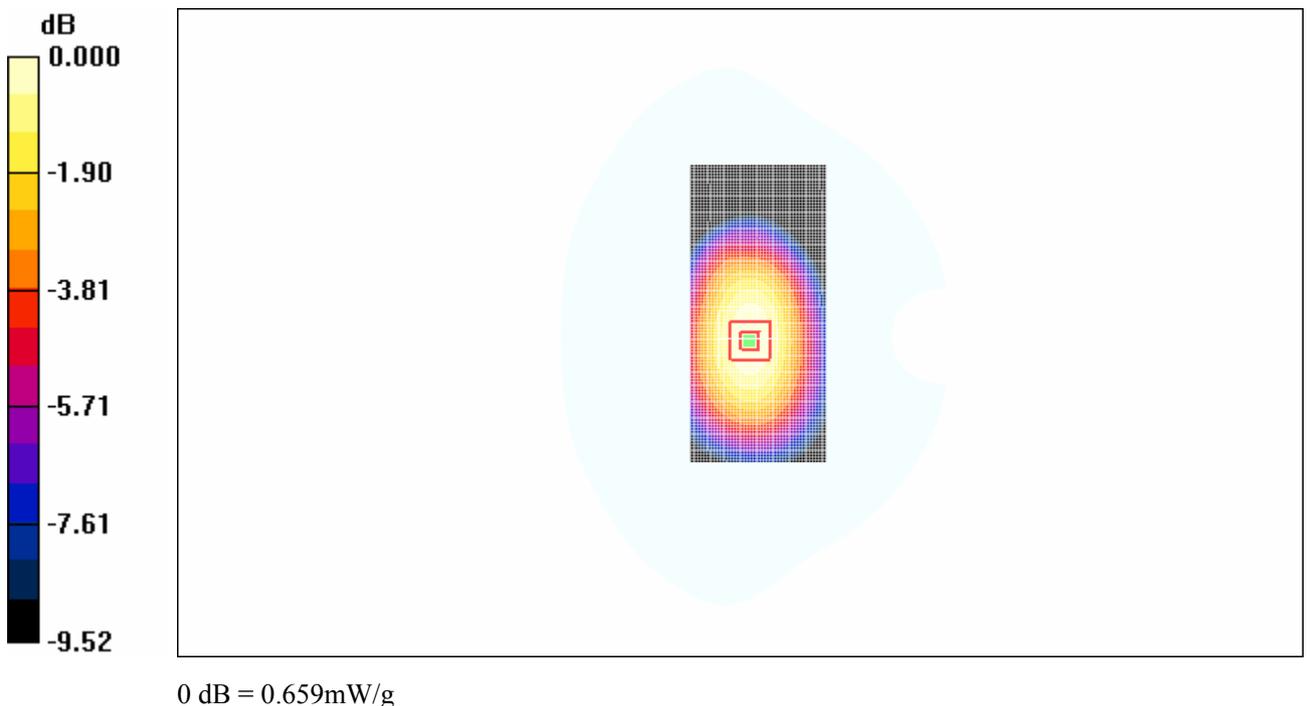
Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

Toward Ground High/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.658 mW/g

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

Reference Value = 25.3 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.824 W/kg

SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.446 mW/g

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

0 dB = 0.659mW/g

Fig.55　850 MHz CH251