



**Attachment 1 – System Validation Plots**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation (Head 1900 MHz)

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d112**

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

Medium: HSL1900 Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 41.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASy4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Antenna Input Power 250 mW/Area Scan (5x5x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (measured) = 11.2 mW/g

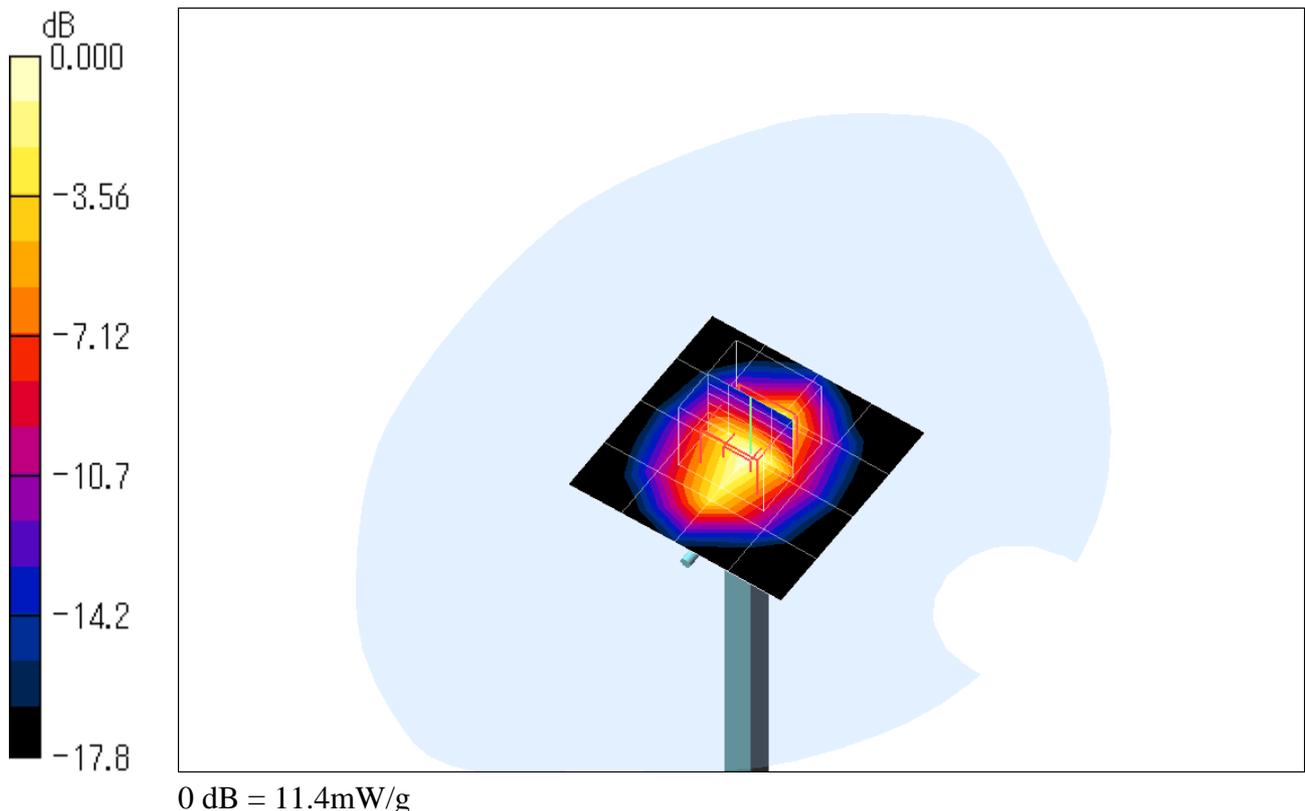
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 93.9 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 10 mW/g; SAR(10 g) = 5.27 mW/g**

Maximum value of SAR (measured) = 11.4 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation (Body 1900 MHz)

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d112**

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

Medium: MSL1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Antenna Input Power 250 mW/Area Scan (5x5x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 11.6 mW/g

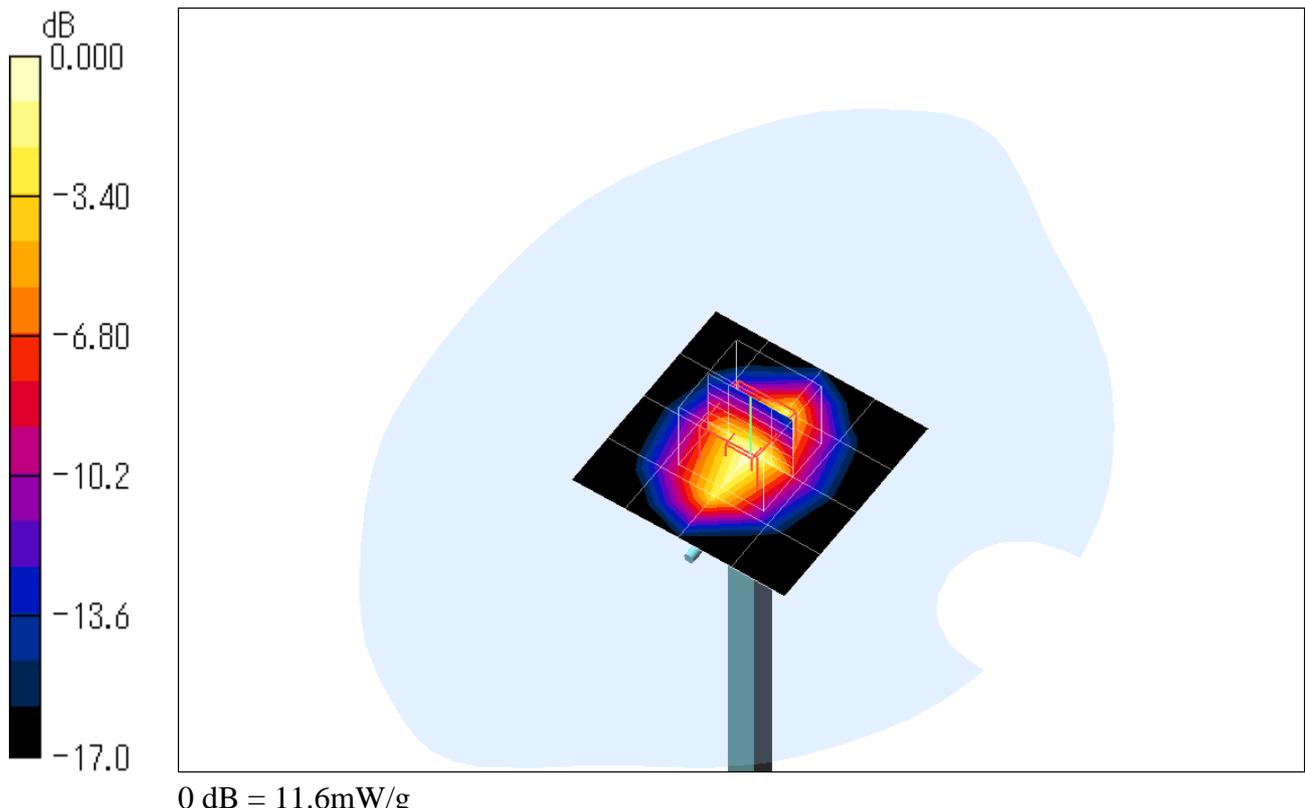
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.8 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 17.7 W/kg

**SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.45 mW/g**

Maximum value of SAR (measured) = 11.6 mW/g



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## System Validation (Head 2450 MHz)

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 714**

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

Medium: HSL2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Antenna Input Power 250 mW/Area Scan (5x5x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 20.1 mW/g

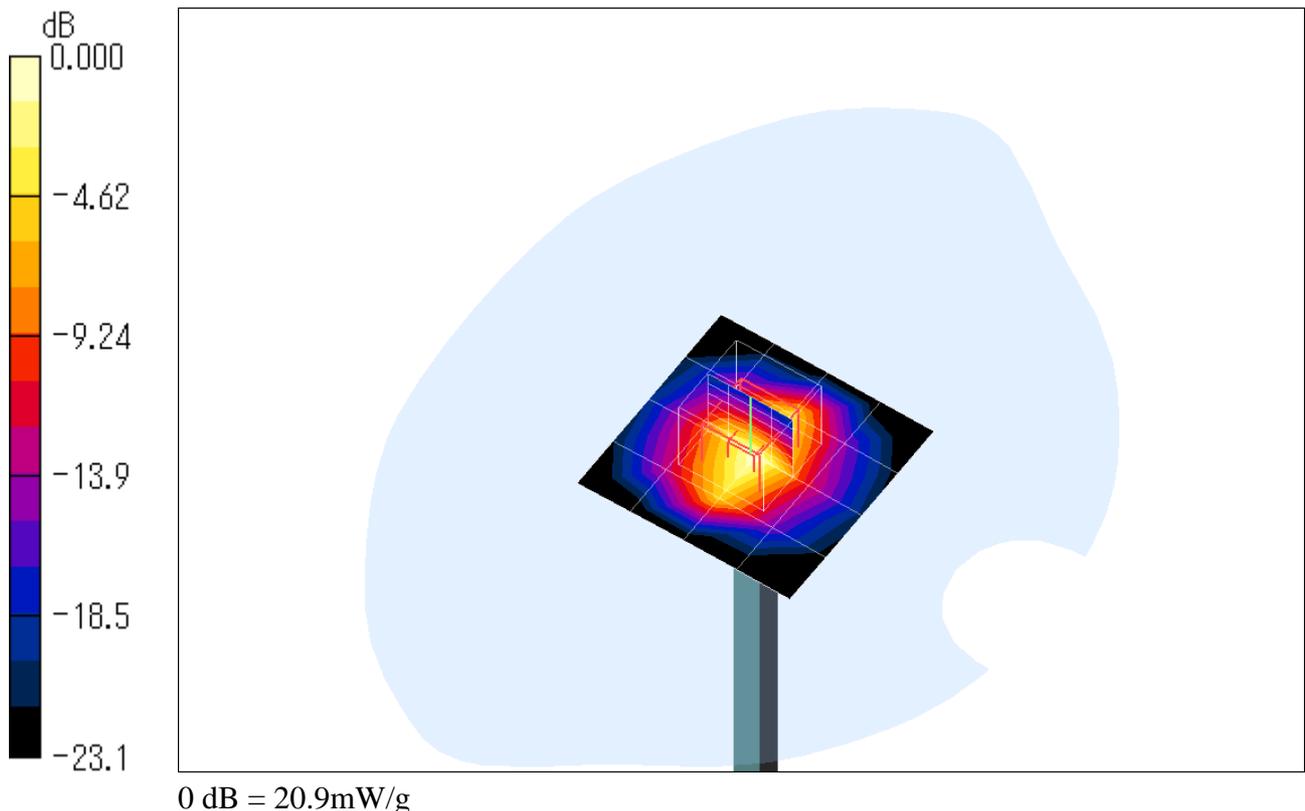
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 106.7 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 28.3 W/kg

**SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.1 mW/g**

Maximum value of SAR (measured) = 20.9 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation (Body 2450 MHz)

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 714**

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

Medium: MSL2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Antenna Input Power 250 mW/Area Scan (5x5x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 18.8 mW/g

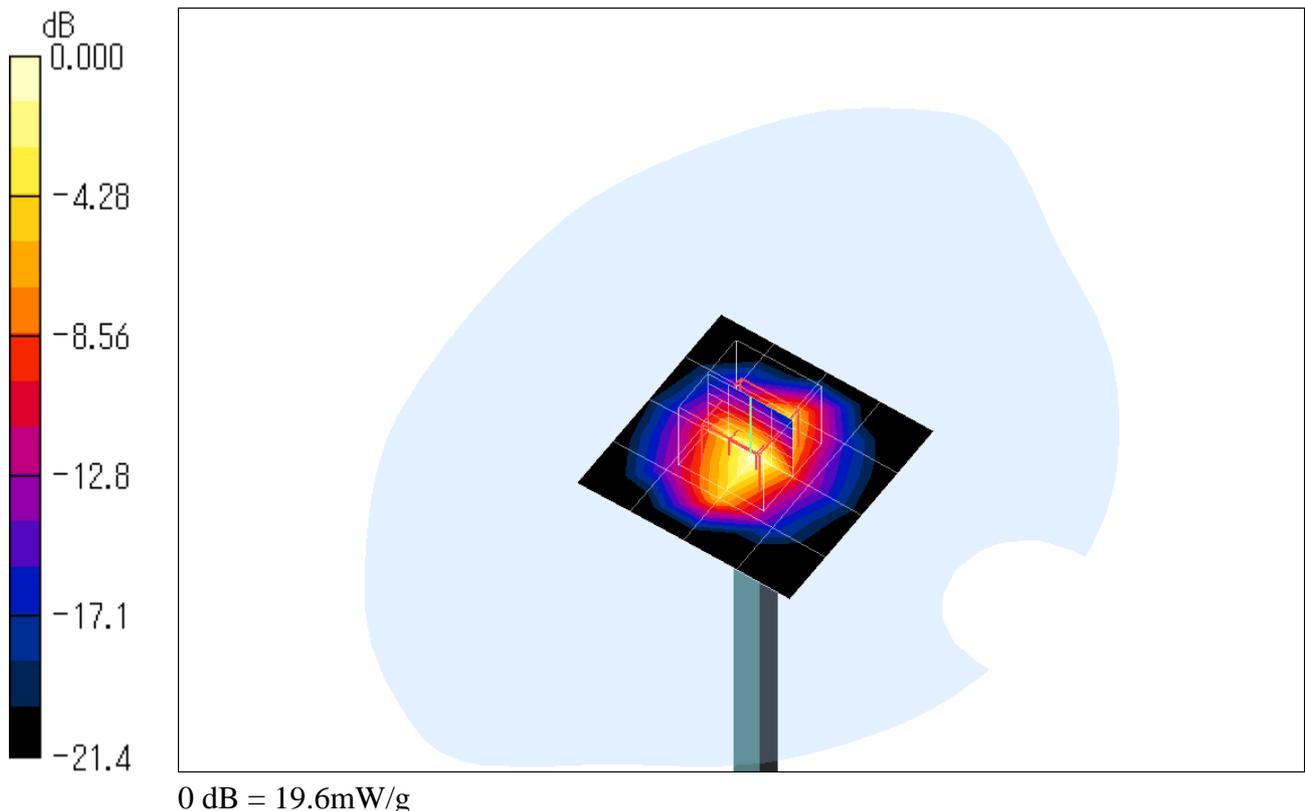
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 99.3 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 25.9 W/kg

**SAR(1 g) = 12.9 mW/g; SAR(10 g) = 6.05 mW/g**

Maximum value of SAR (measured) = 19.6 mW/g





**Attachment 2-1 – SAR Test Plots (PCS 1900)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 512ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium: HSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.467 mW/g

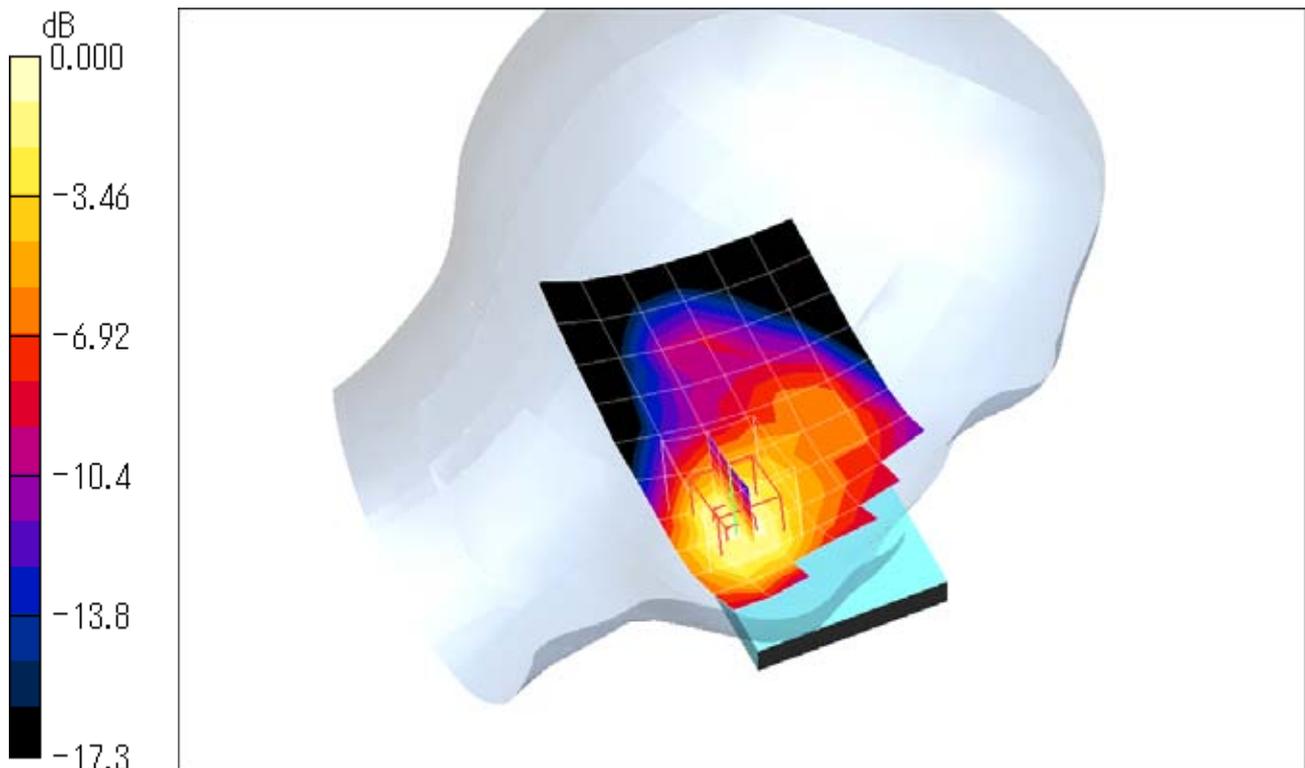
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.735 W/kg

**SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.308 mW/g**

Maximum value of SAR (measured) = 0.543 mW/g



0 dB = 0.543mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

**Left Head 512ch / PCS 1900 - GPRS 4slot****DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

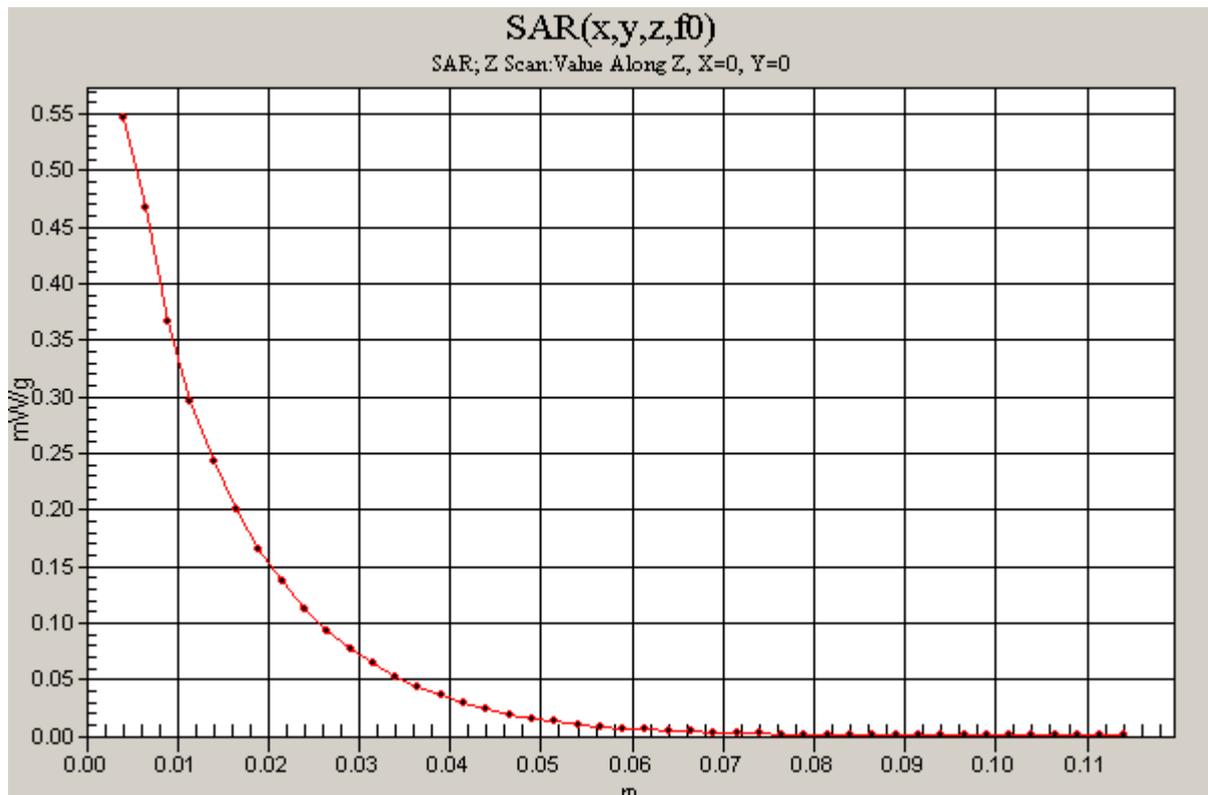
Medium: HSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.547 mW/g

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## Left Head 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.382 mW/g

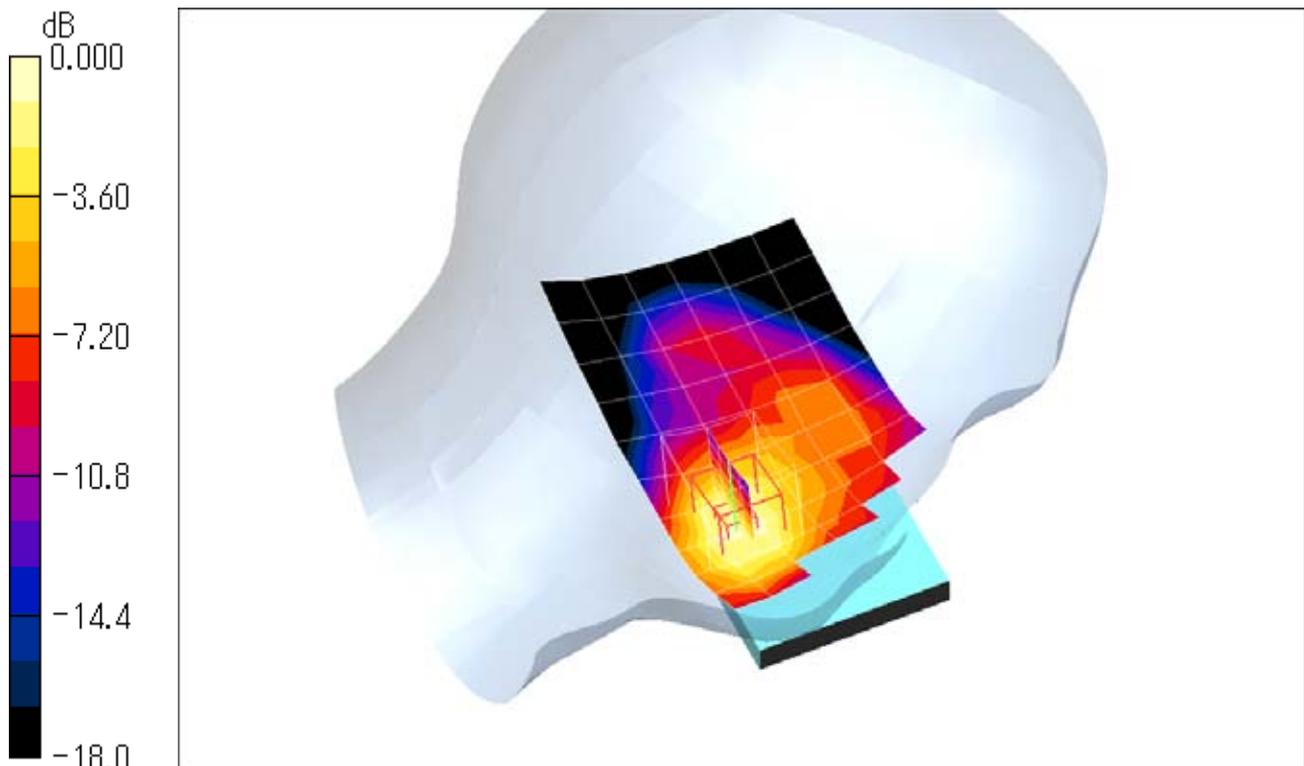
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.614 W/kg

**SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.249 mW/g**

Maximum value of SAR (measured) = 0.444 mW/g



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## Left Head 810ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.44 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Area Scan (11x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.300 mW/g

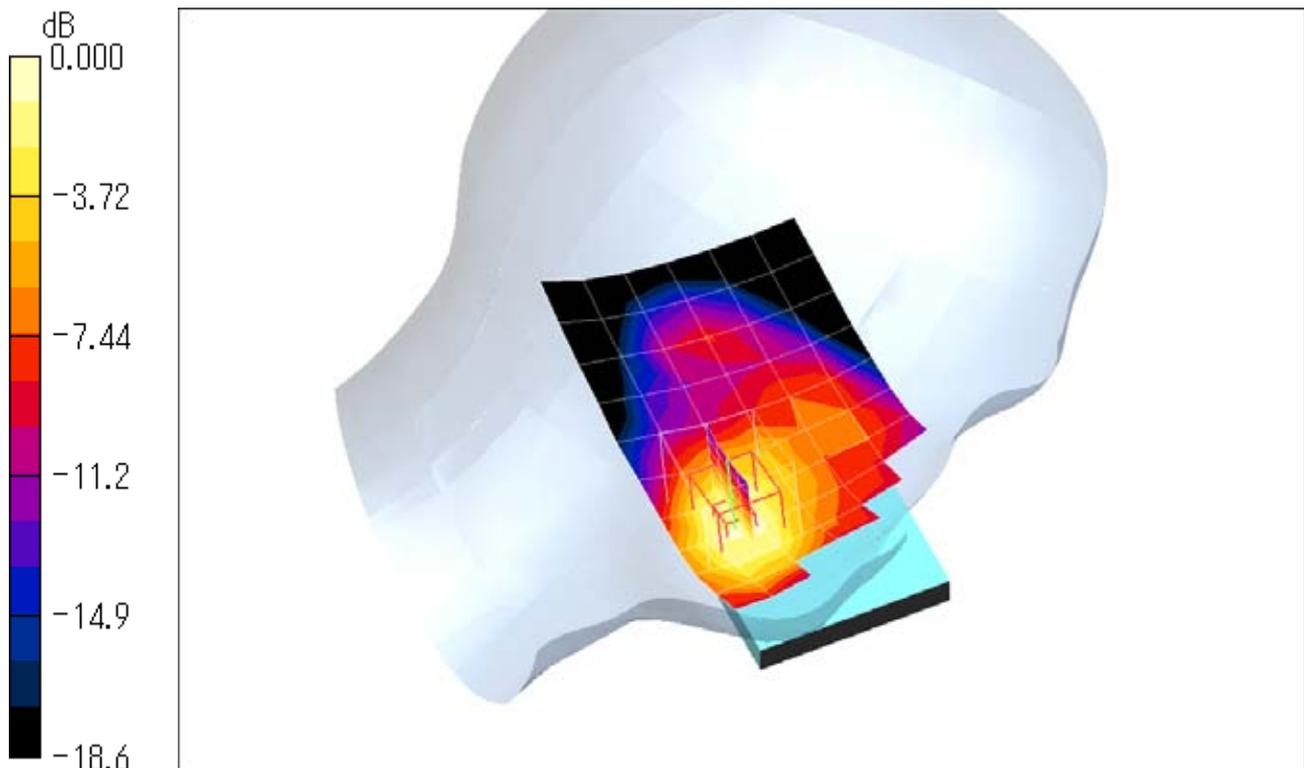
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.7 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.496 W/kg

**SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.197 mW/g**

Maximum value of SAR (measured) = 0.359 mW/g



0 dB = 0.359mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Ear/Tilt Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

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

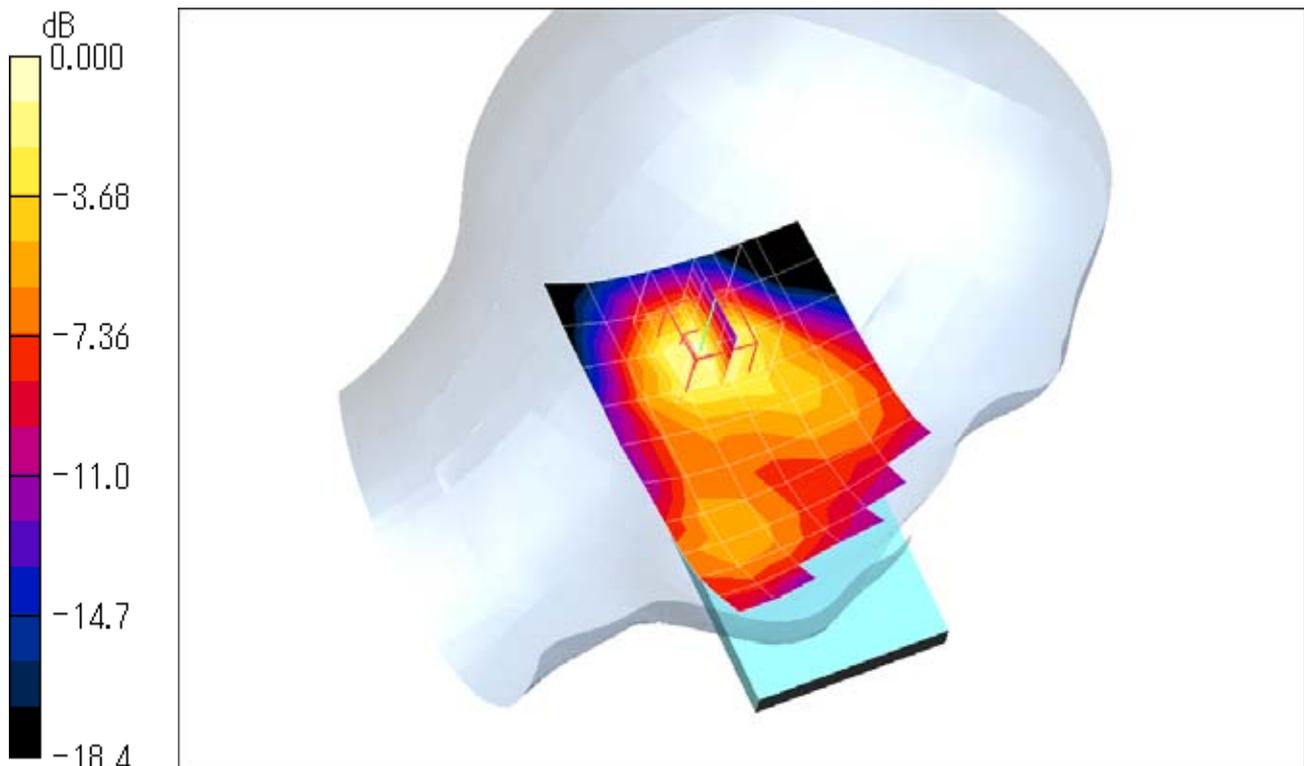
**Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.231 W/kg

**SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.083 mW/g**

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



0 dB = 0.164mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.231 mW/g

**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.323 W/kg

**SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.223 mW/g

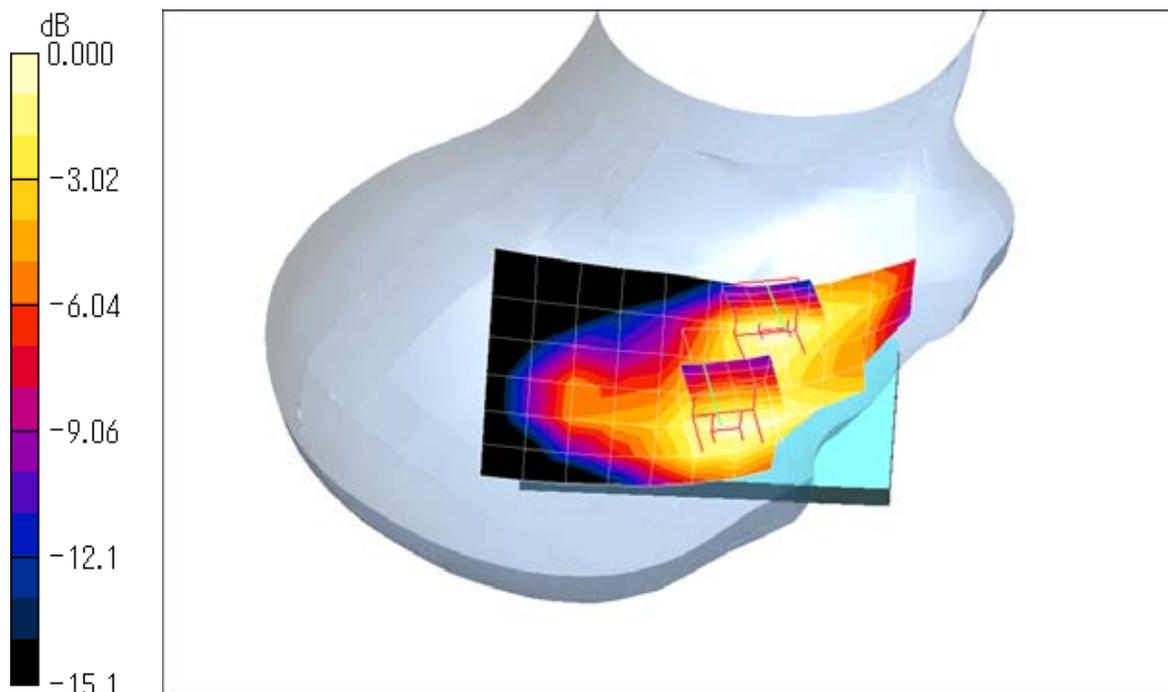
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.292 W/kg

**SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.132 mW/g**

Maximum value of SAR (measured) = 0.214 mW/g



0 dB = 0.223mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASy4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Ear/Tilt Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

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

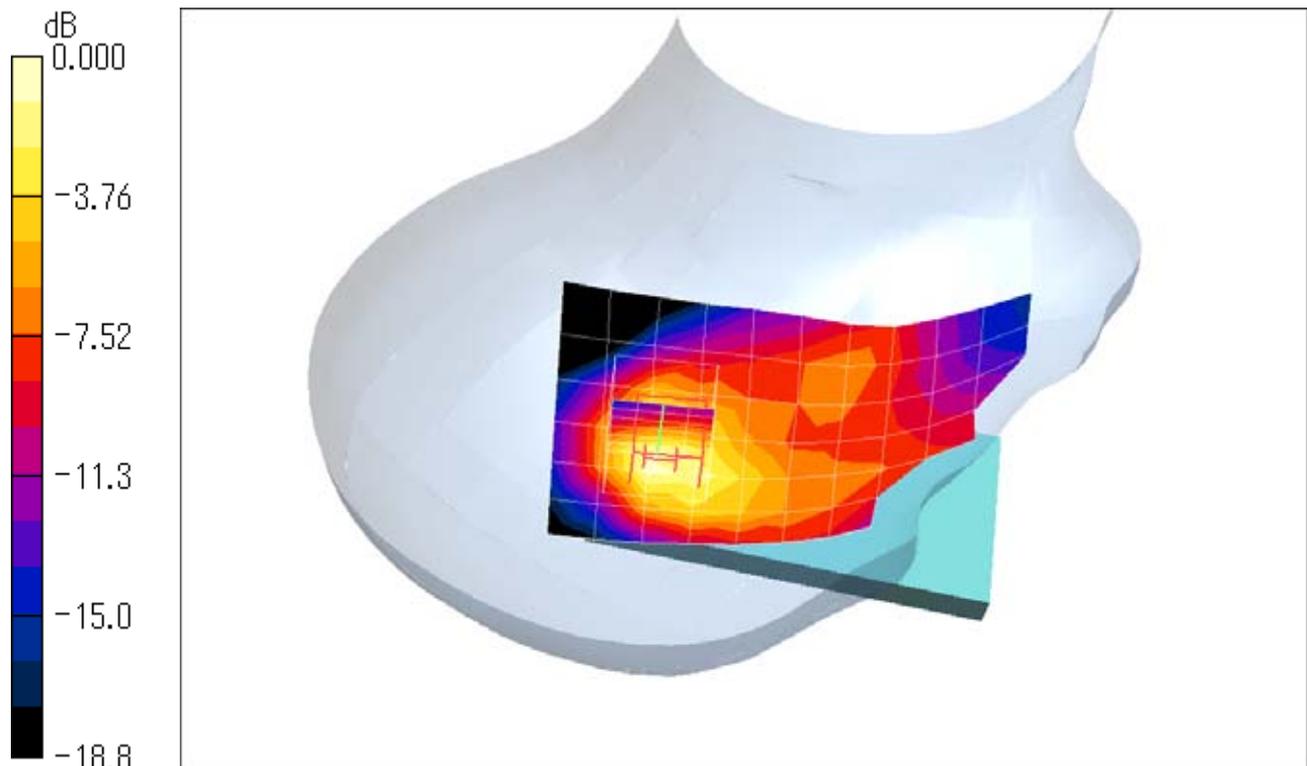
**Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.090 mW/g**

Maximum value of SAR (measured) = 0.181 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 512ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Bottom Edge/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.666 mW/g

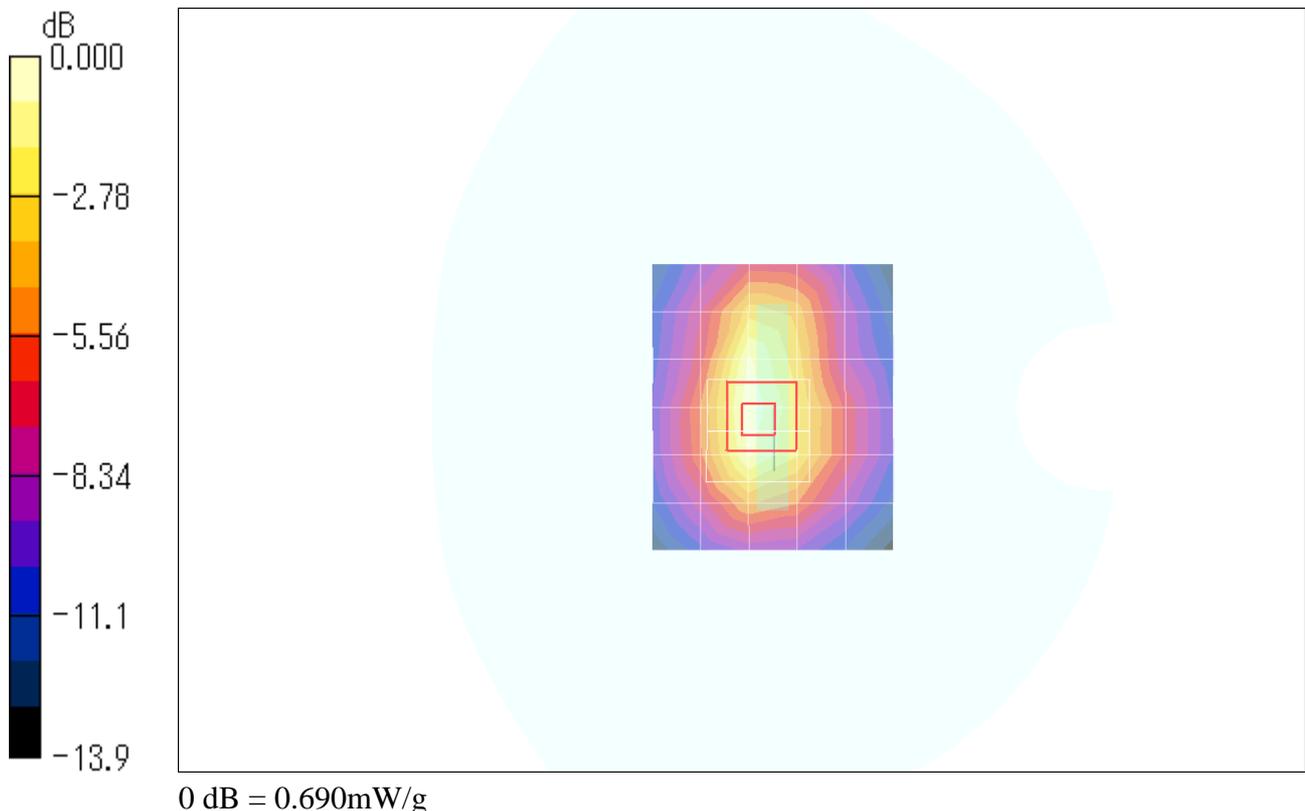
**Bottom Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.997 W/kg

**SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.368 mW/g**

Maximum value of SAR (measured) = 0.690 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

**Body 512ch / PCS 1900 - GPRS 4slot****DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

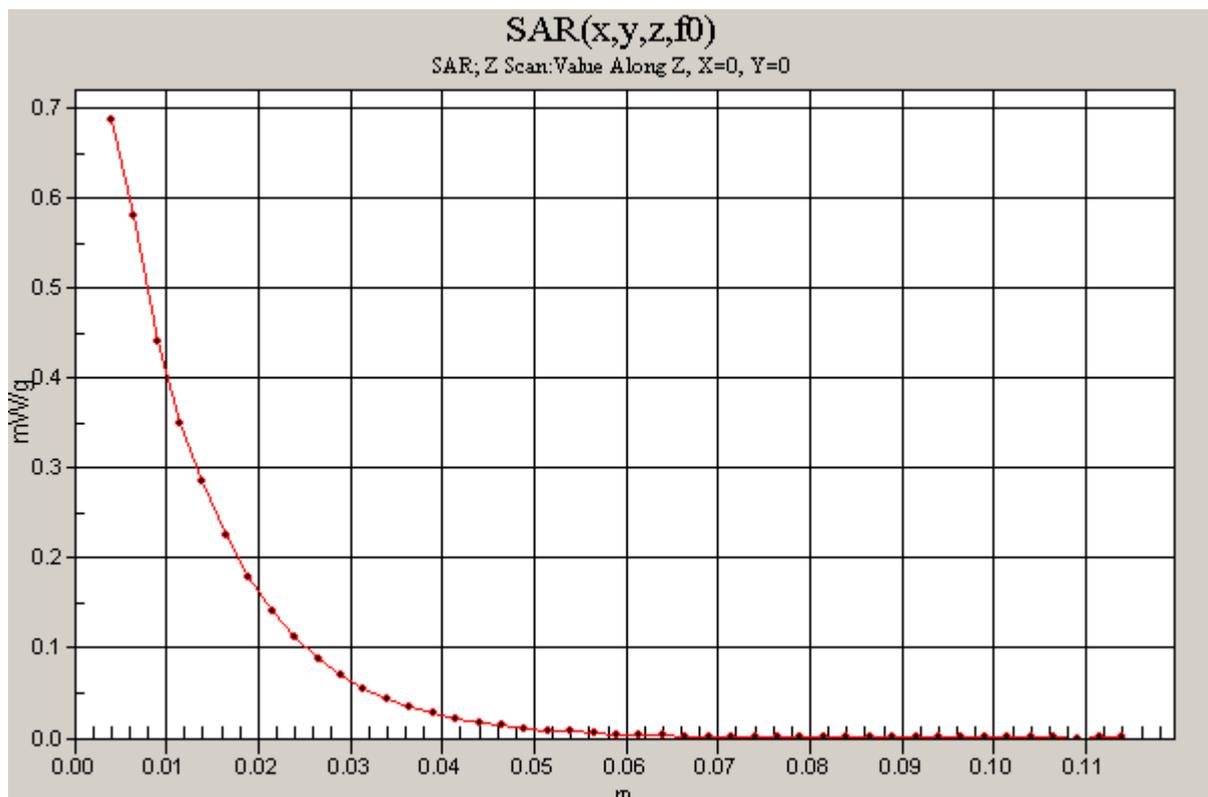
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Bottom Edge/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Bottom Edge/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

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

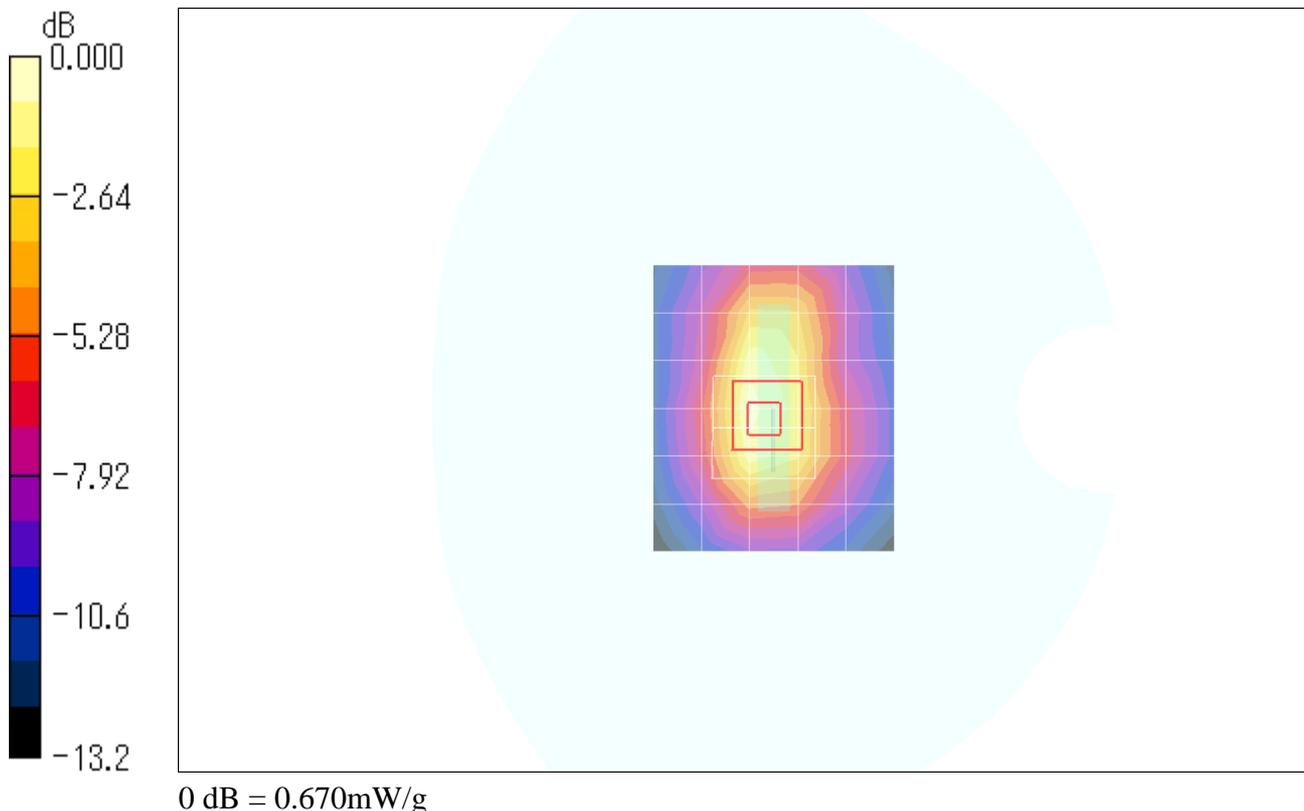
**Bottom Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.0 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.983 W/kg

**SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.350 mW/g**

Maximum value of SAR (measured) = 0.670 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 810ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.55 \text{ mho/m}$ ;  $\epsilon_r = 53.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Bottom Edge/Area Scan (6x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.554 mW/g

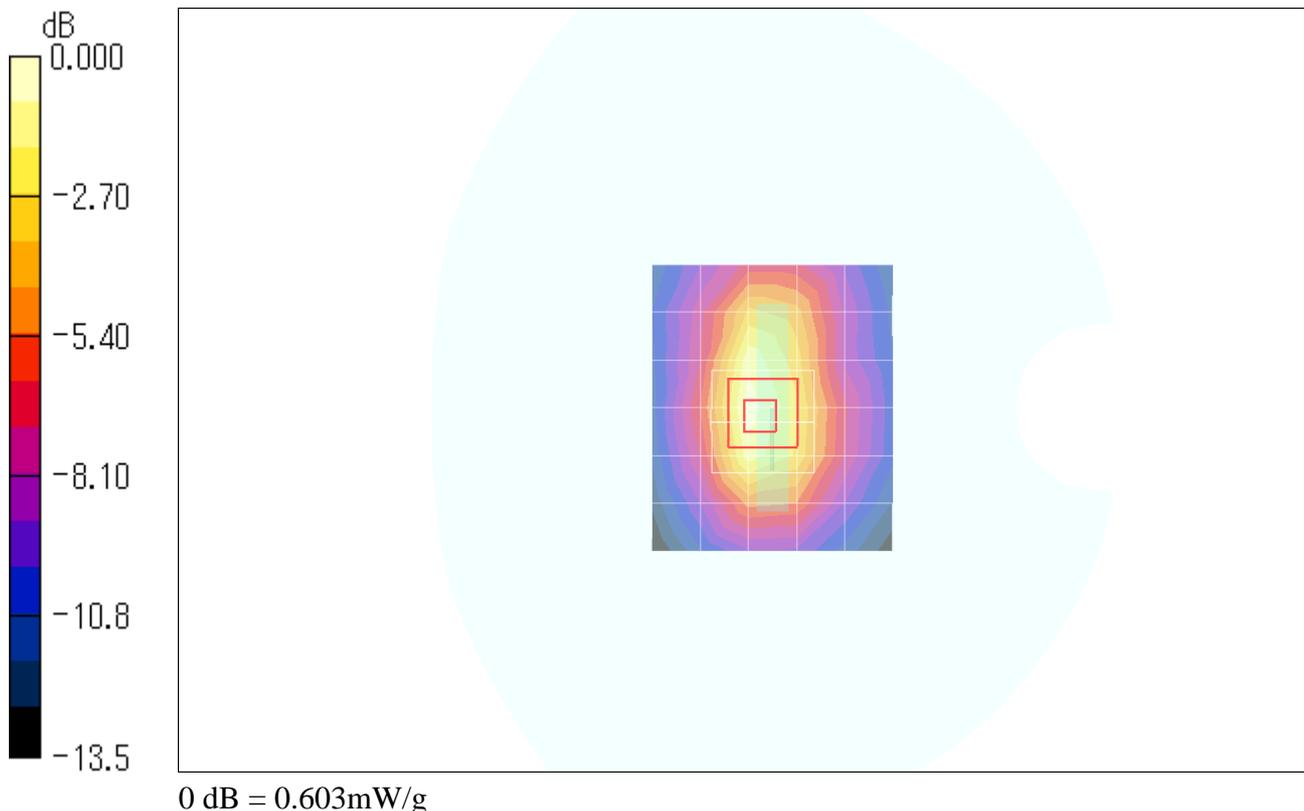
**Bottom Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.2 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.895 W/kg

**SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.308 mW/g**

Maximum value of SAR (measured) = 0.603 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Left Edge/Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.219 mW/g

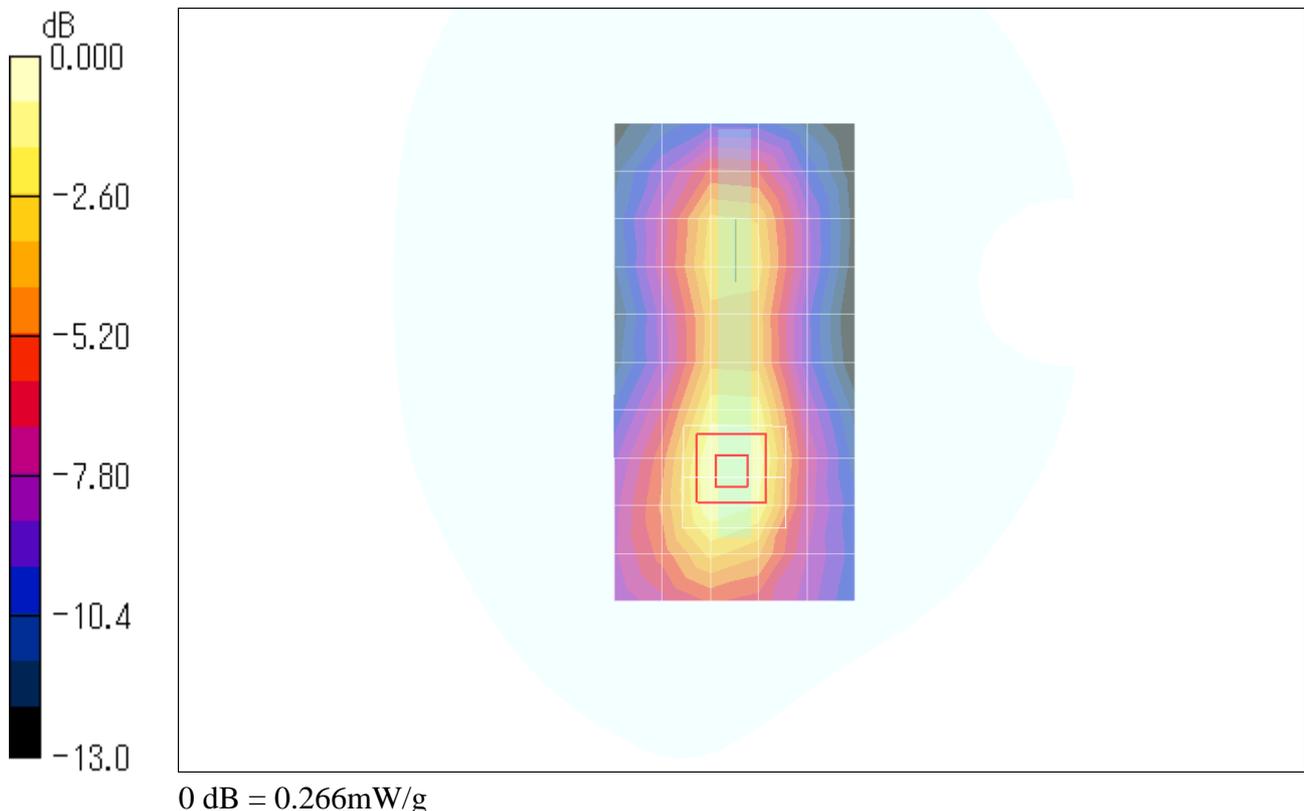
**Left Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.142 mW/g**

Maximum value of SAR (measured) = 0.266 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Right Edge/Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.118 mW/g

**Right Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.53 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.200 W/kg

**SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.070 mW/g**

Maximum value of SAR (measured) = 0.132 mW/g

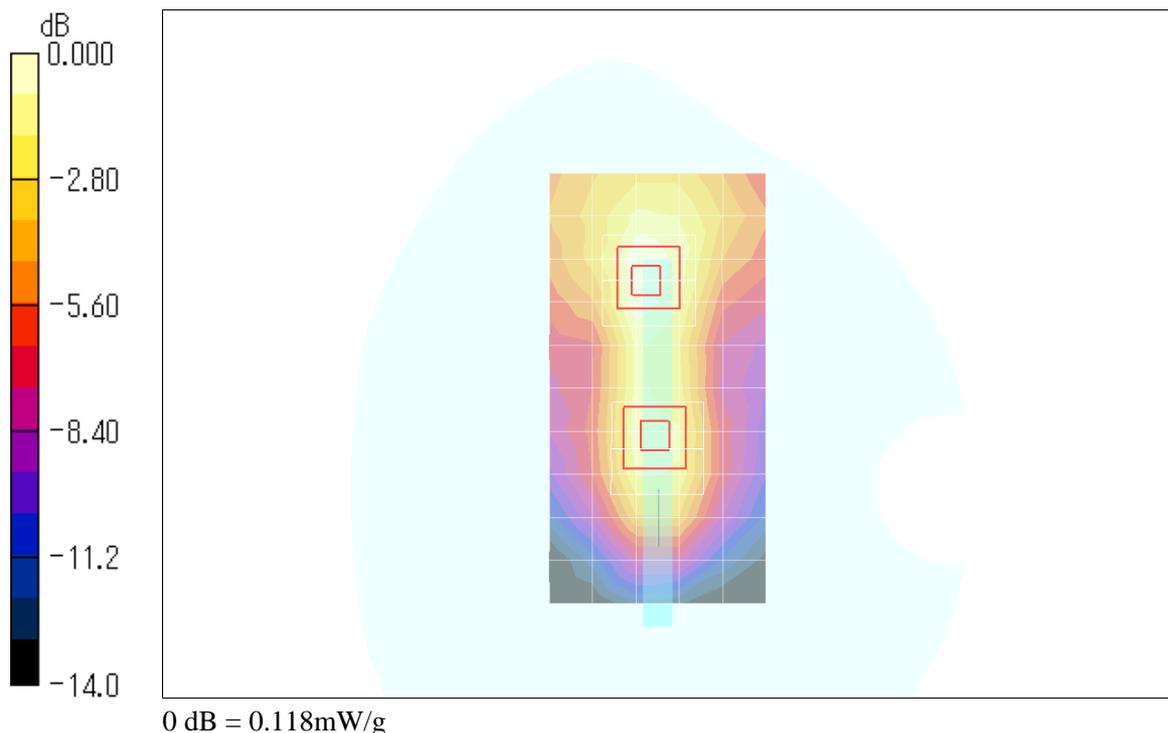
**Right Edge/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.53 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.151 W/kg

**SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.103 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Front Side/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.440 mW/g

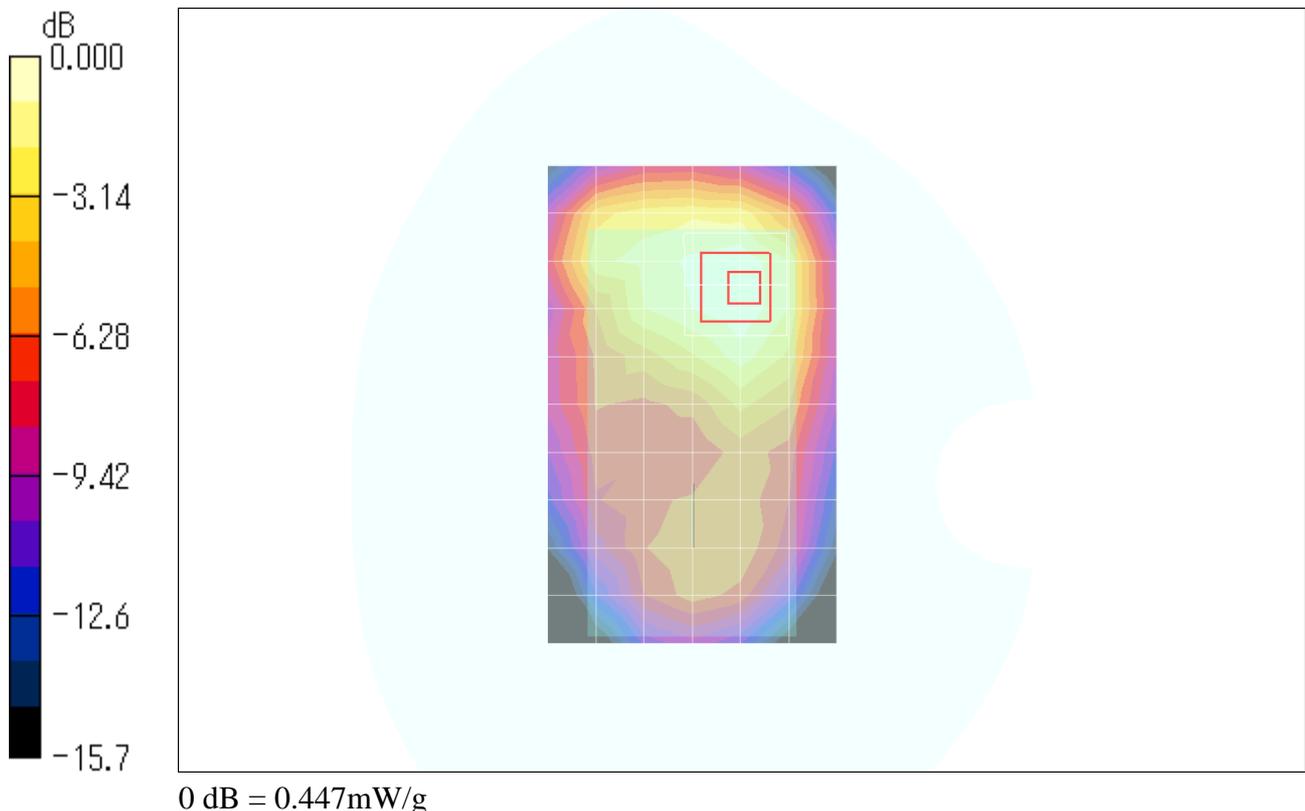
**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.678 W/kg

**SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.269 mW/g**

Maximum value of SAR (measured) = 0.447 mW/g



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## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Rear Side/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.553 mW/g

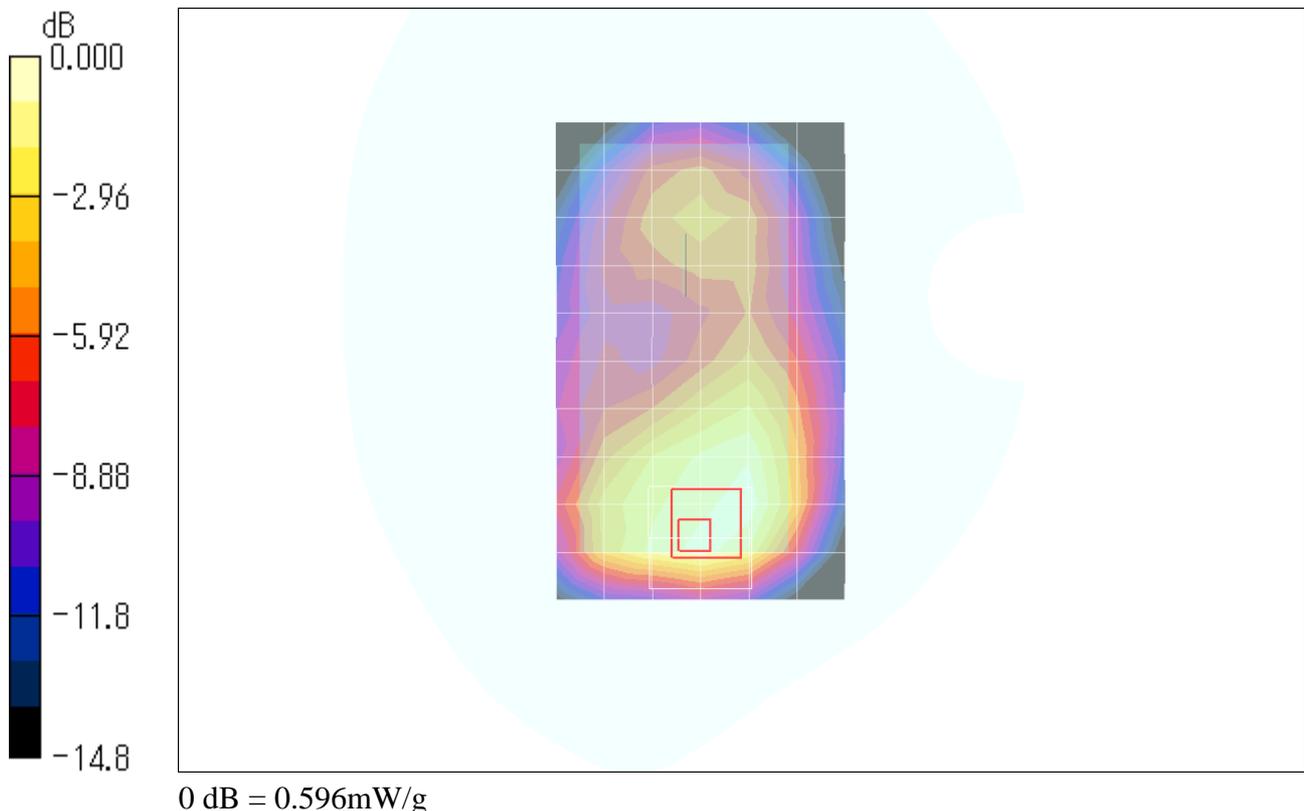
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.864 W/kg

**SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.323 mW/g**

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Rear Side w/headset/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.580 mW/g

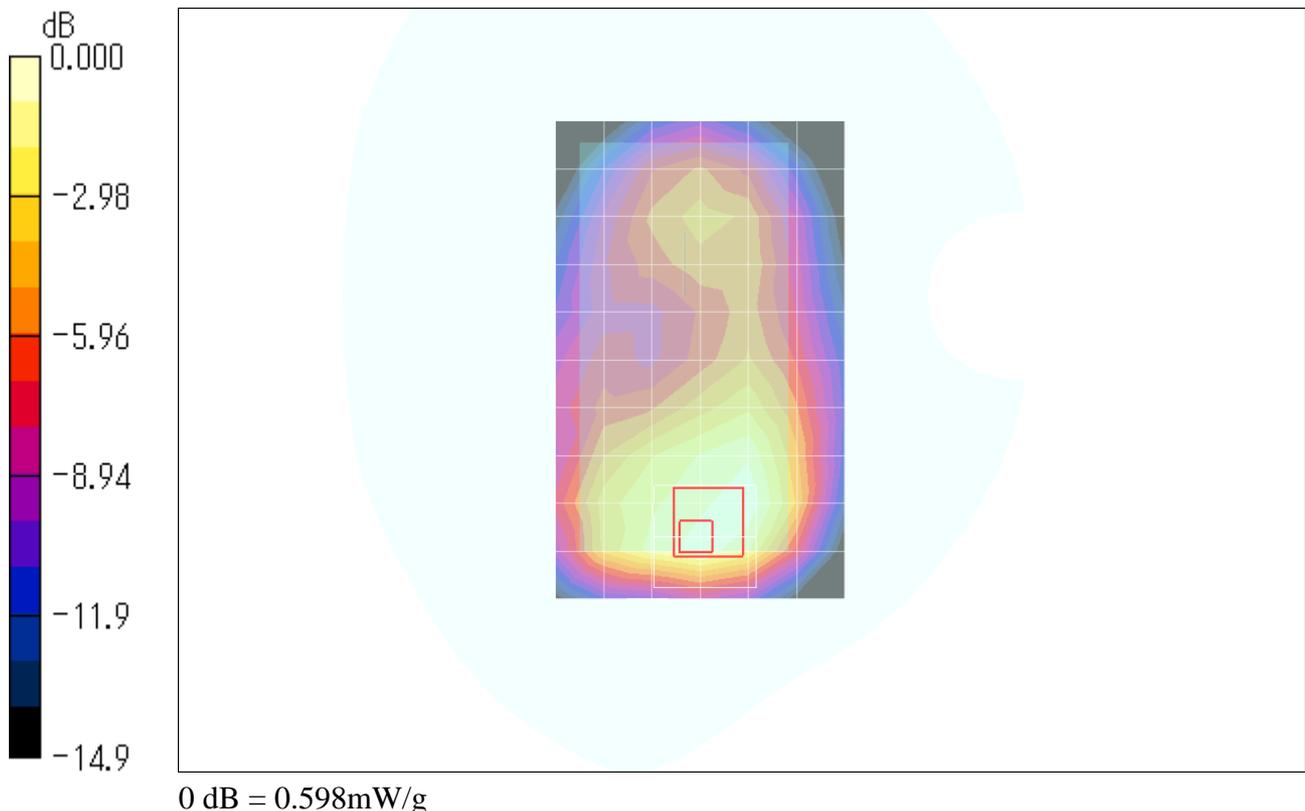
**Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.888 W/kg

**SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.332 mW/g**

Maximum value of SAR (measured) = 0.598 mW/g





**Attachment 2-2 – SAR Test Plots (WLAN)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 1ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.79$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.270 mW/g

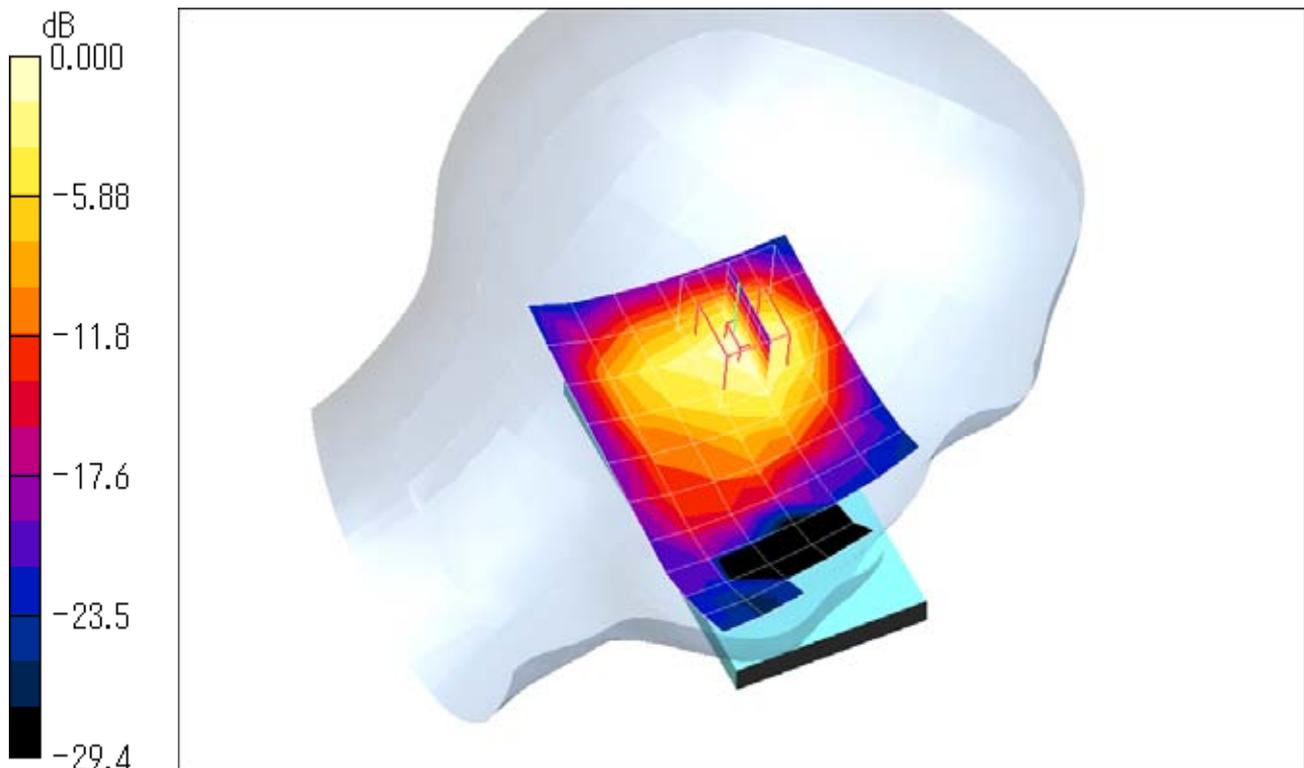
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.39 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.415 W/kg

**SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.256 mW/g



0 dB = 0.256mW/g

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## Left Head 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.384 mW/g

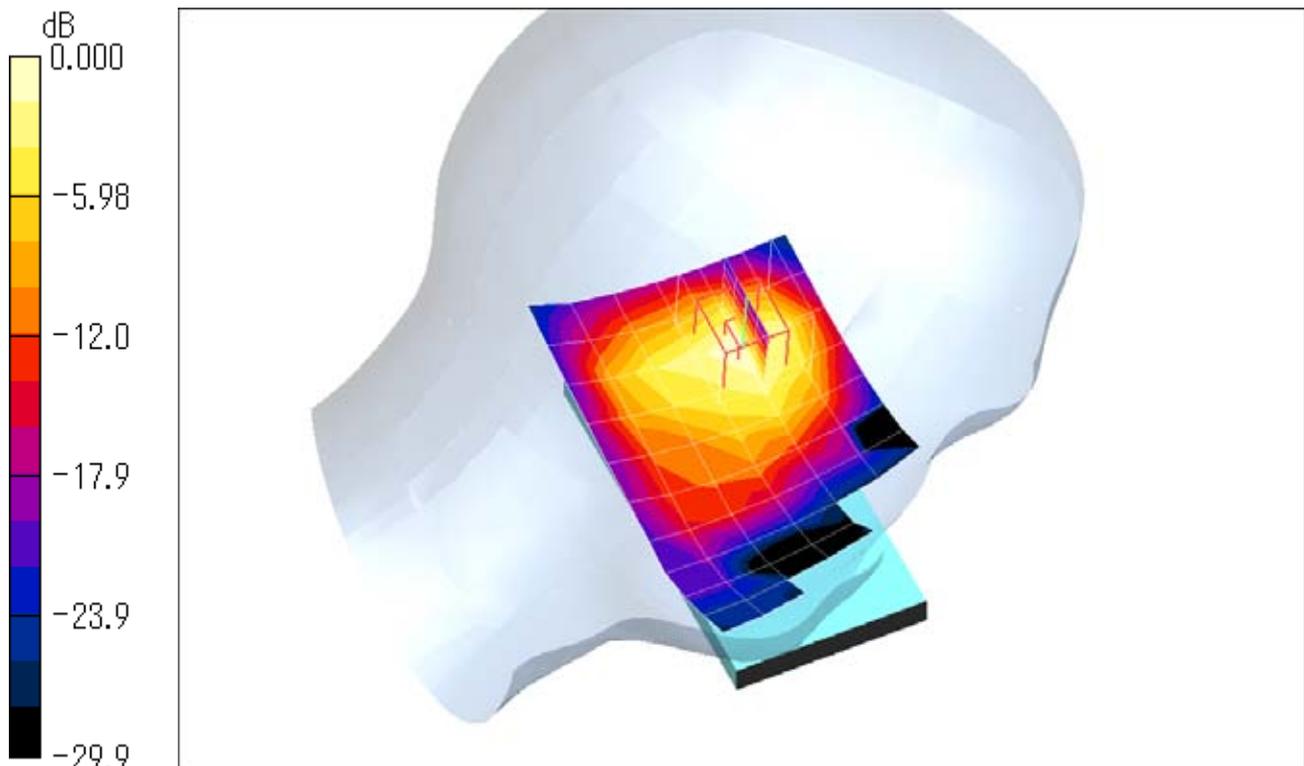
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.92 V/m; Power Drift = -0.067 dB

Peak SAR (extrapolated) = 0.601 W/kg

**SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.372 mW/g



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## Left Head 11ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

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

Medium: HSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.530 mW/g

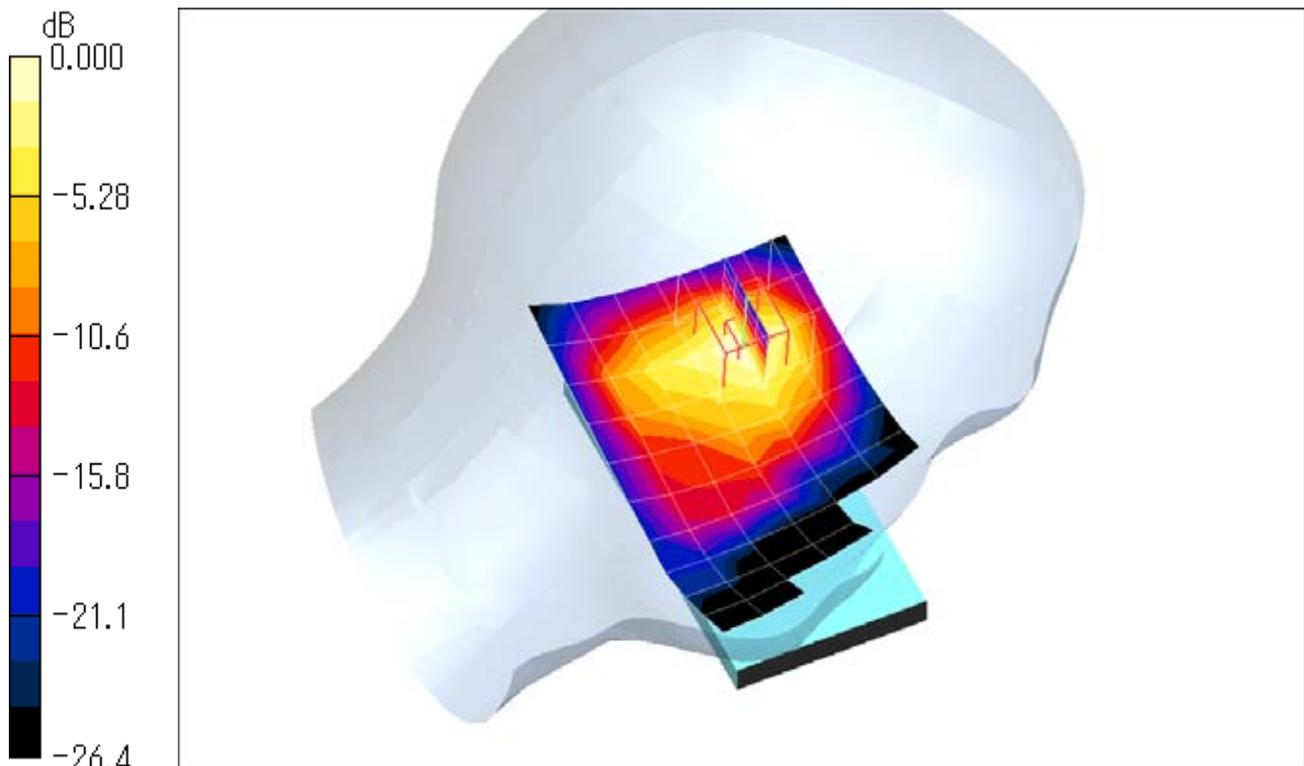
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.832 W/kg

**SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.171 mW/g**

Maximum value of SAR (measured) = 0.510 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 11ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

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

Medium: HSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

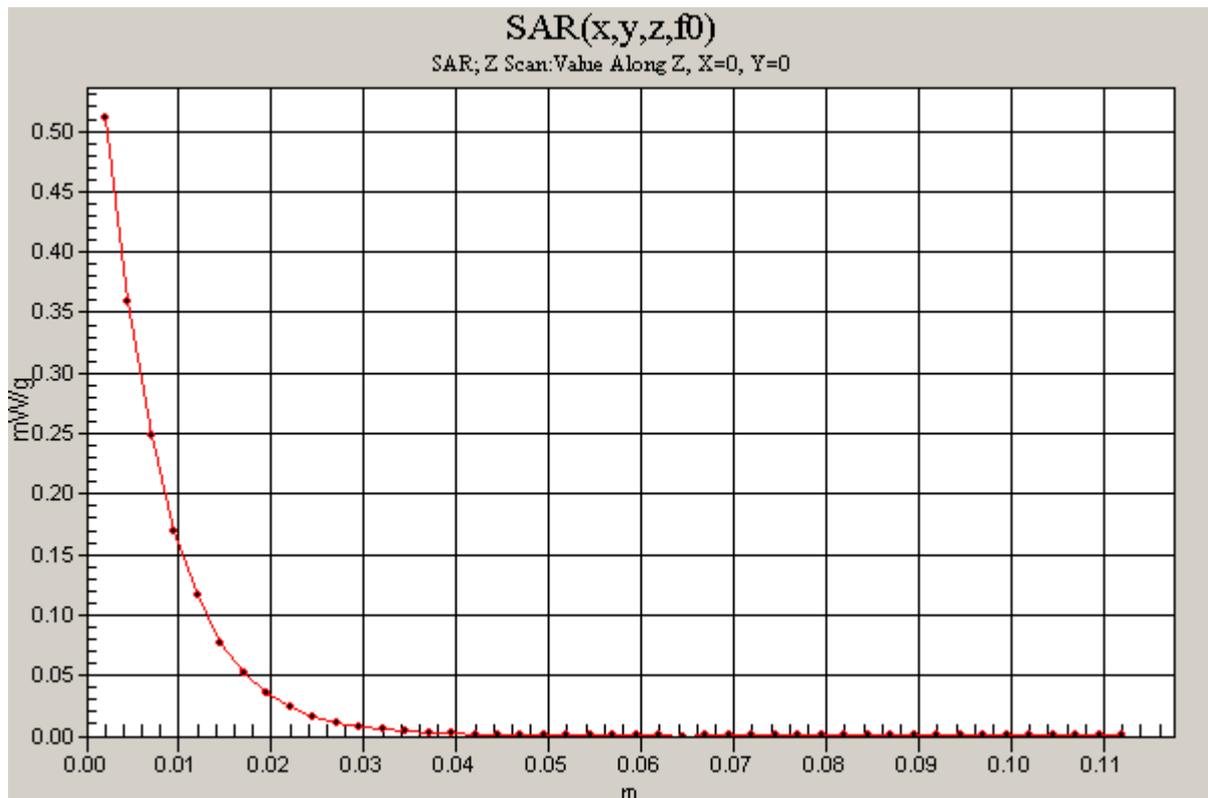
Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.511 mW/g



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## Left Head 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASy4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Ear/Tilt Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.289 mW/g

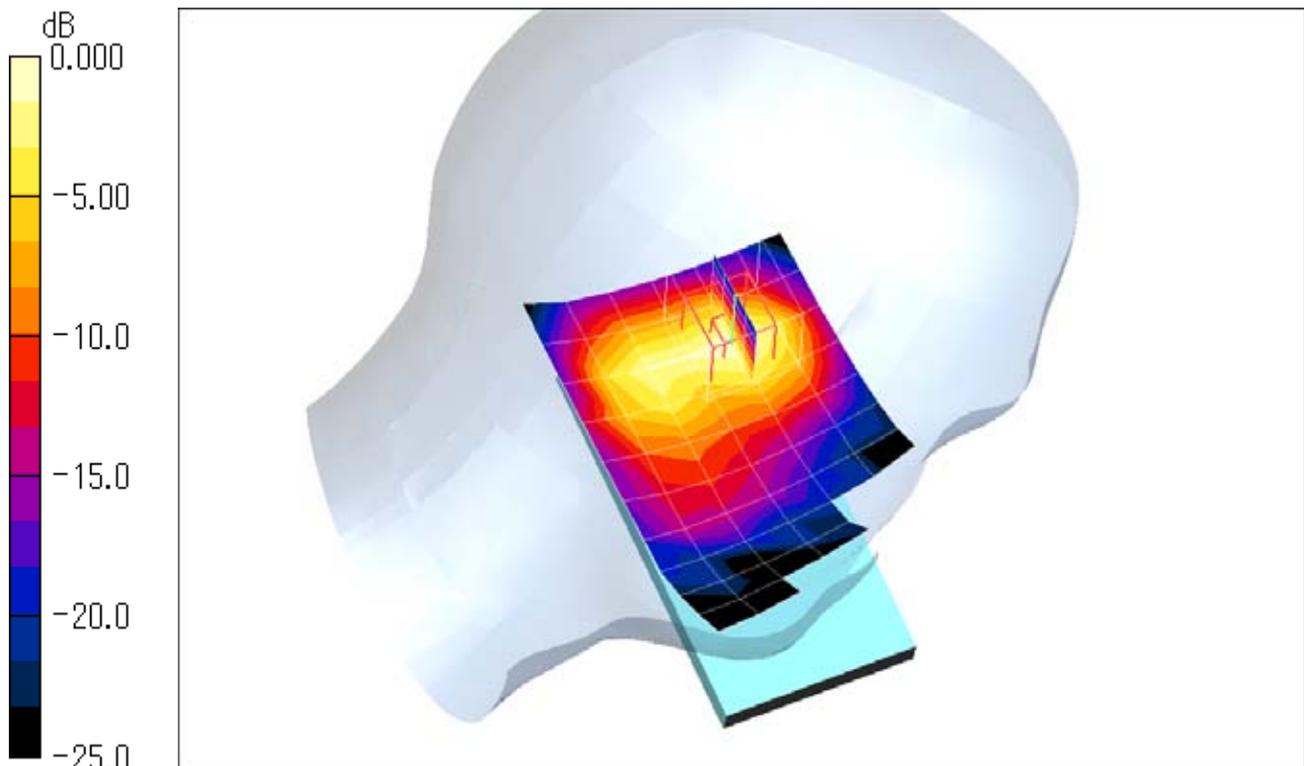
**Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.089 mW/g**

Maximum value of SAR (measured) = 0.277 mW/g



0 dB = 0.277mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Cheek/Touch Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.200 mW/g

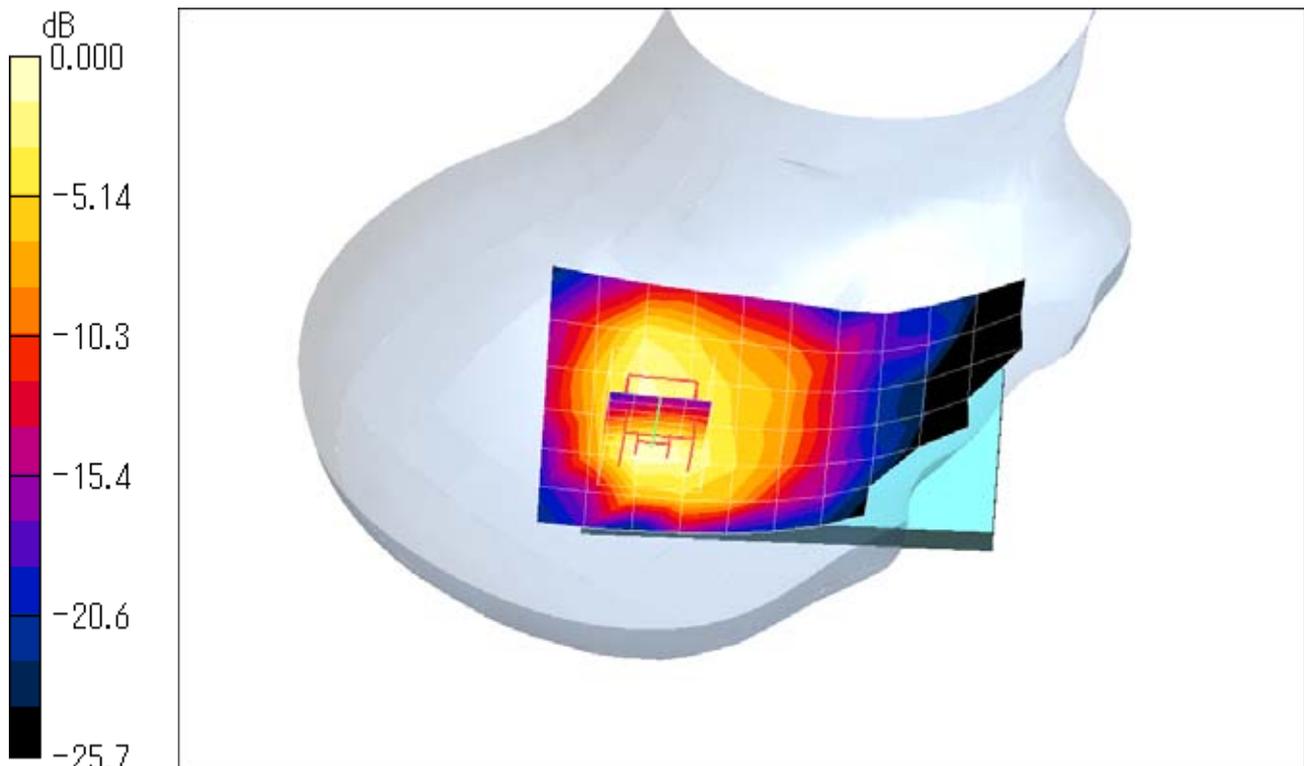
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.289 W/kg

**SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.081 mW/g**

Maximum value of SAR (measured) = 0.221 mW/g



0 dB = 0.221mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Ear/Tilt Position/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.248 mW/g

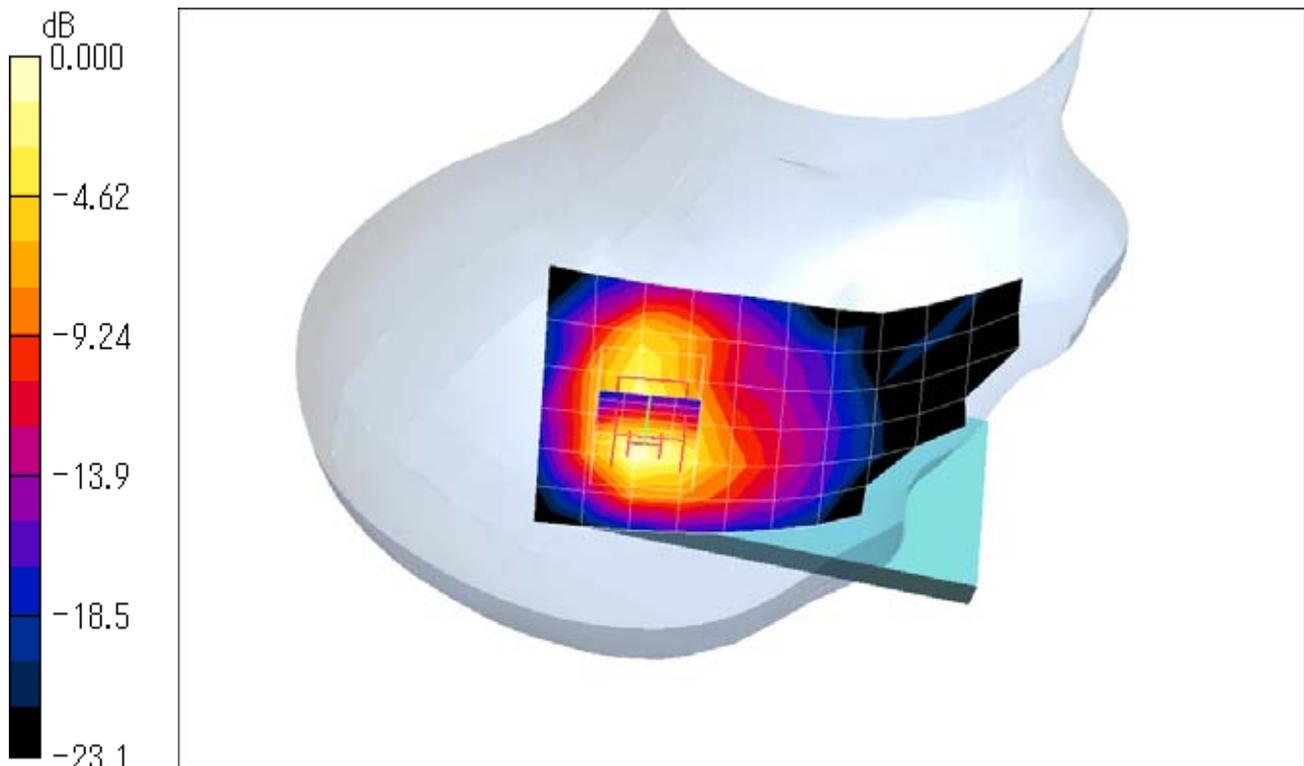
**Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.371 W/kg

**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.097 mW/g**

Maximum value of SAR (measured) = 0.285 mW/g



0 dB = 0.285mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Top Edge/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.048 mW/g

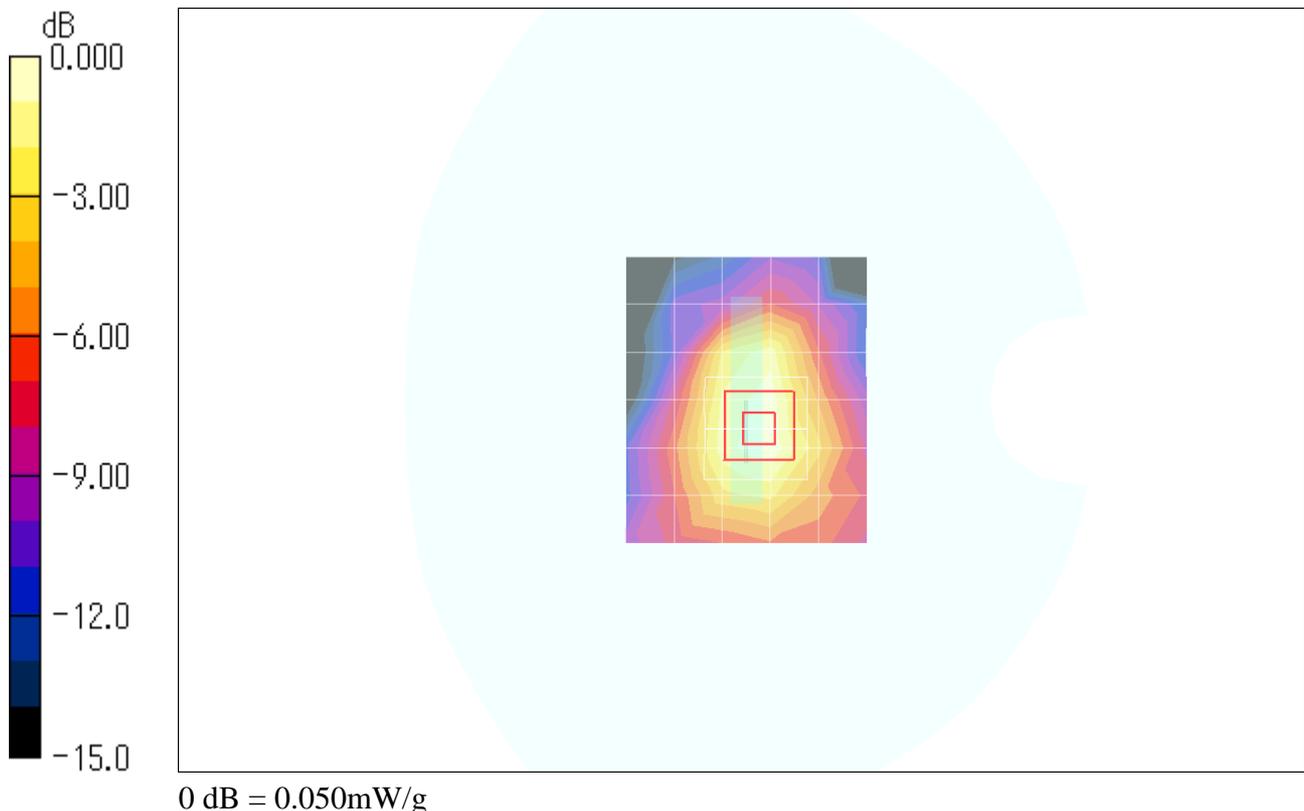
**Top Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.25 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.066 W/kg

**SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.020 mW/g**

Maximum value of SAR (measured) = 0.050 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASy4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Right Edge/Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.033 mW/g

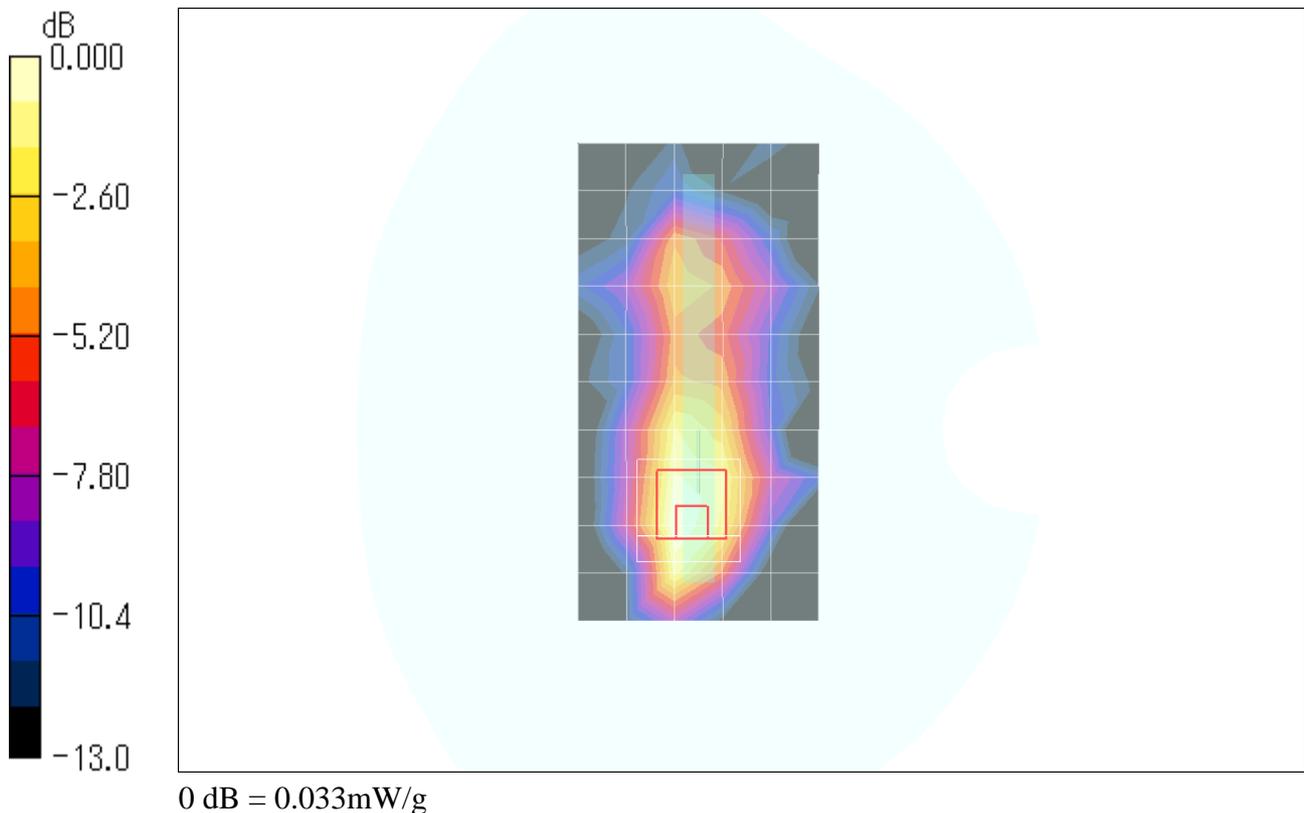
**Right Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.74 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.053 W/kg

**SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.040 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Front Side/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.054 mW/g

**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.45 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.072 W/kg

**SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.020 mW/g**

Maximum value of SAR (measured) = 0.052 mW/g

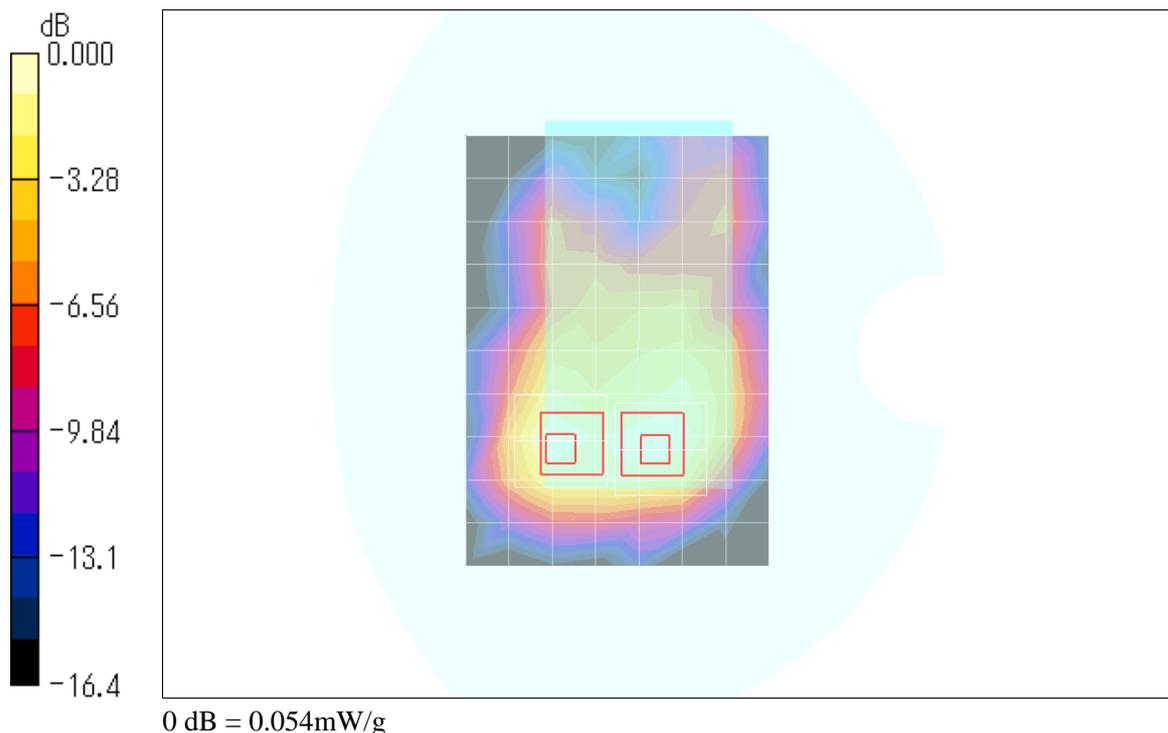
**Front Side/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.45 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.073 W/kg

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.056 mW/g



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## Body 1ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Rear Side/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.060 mW/g

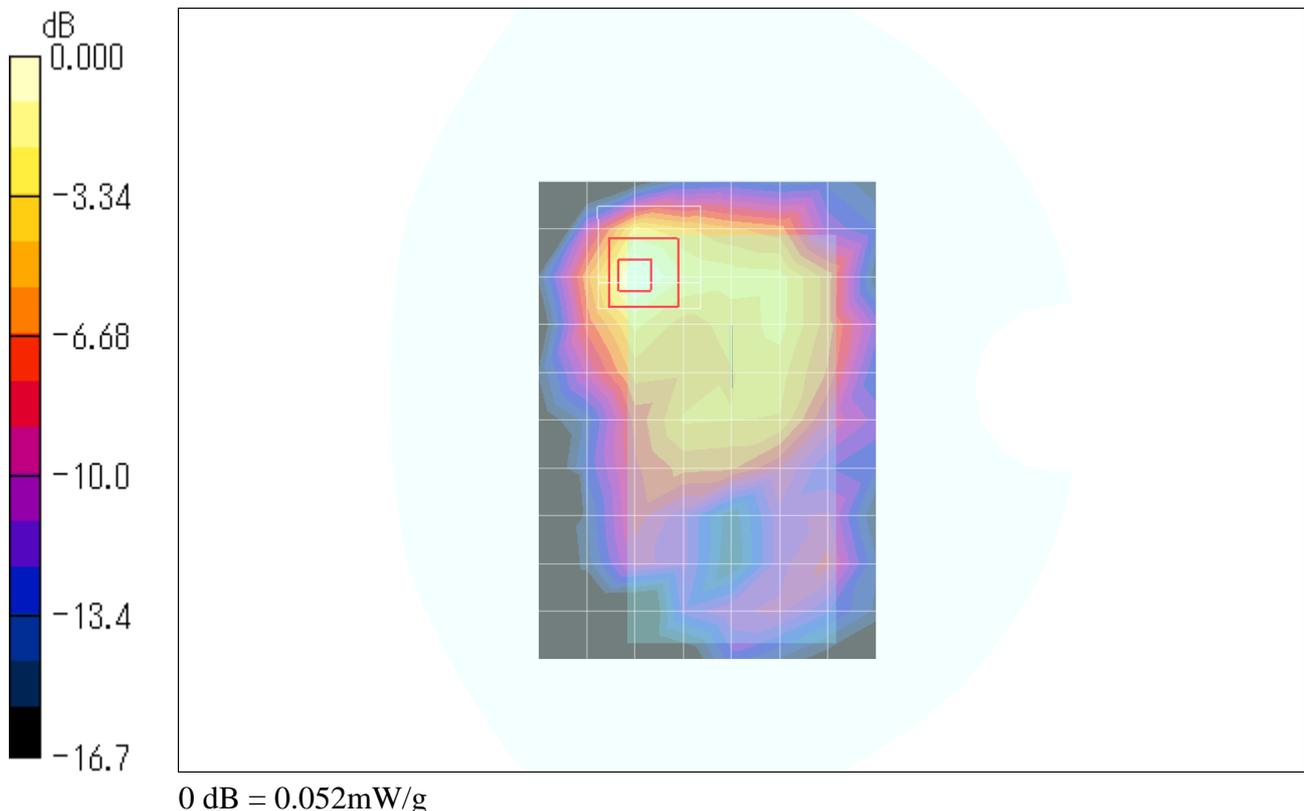
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.18 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.084 W/kg

**SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.017 mW/g**

Maximum value of SAR (measured) = 0.052 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Rear Side/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.084 mW/g

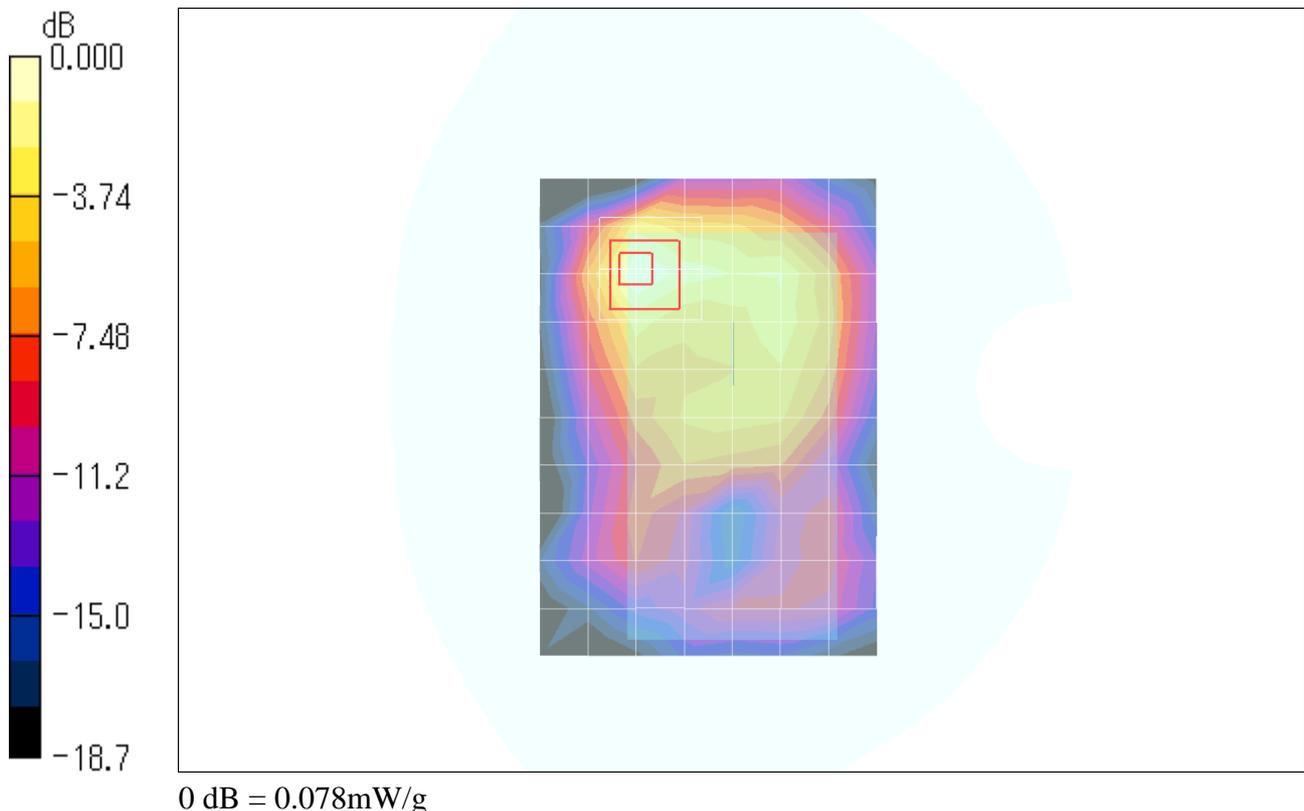
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.82 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.115 W/kg

**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.024 mW/g**

Maximum value of SAR (measured) = 0.078 mW/g



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## Body 11ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

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

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Rear Side/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.108 mW/g

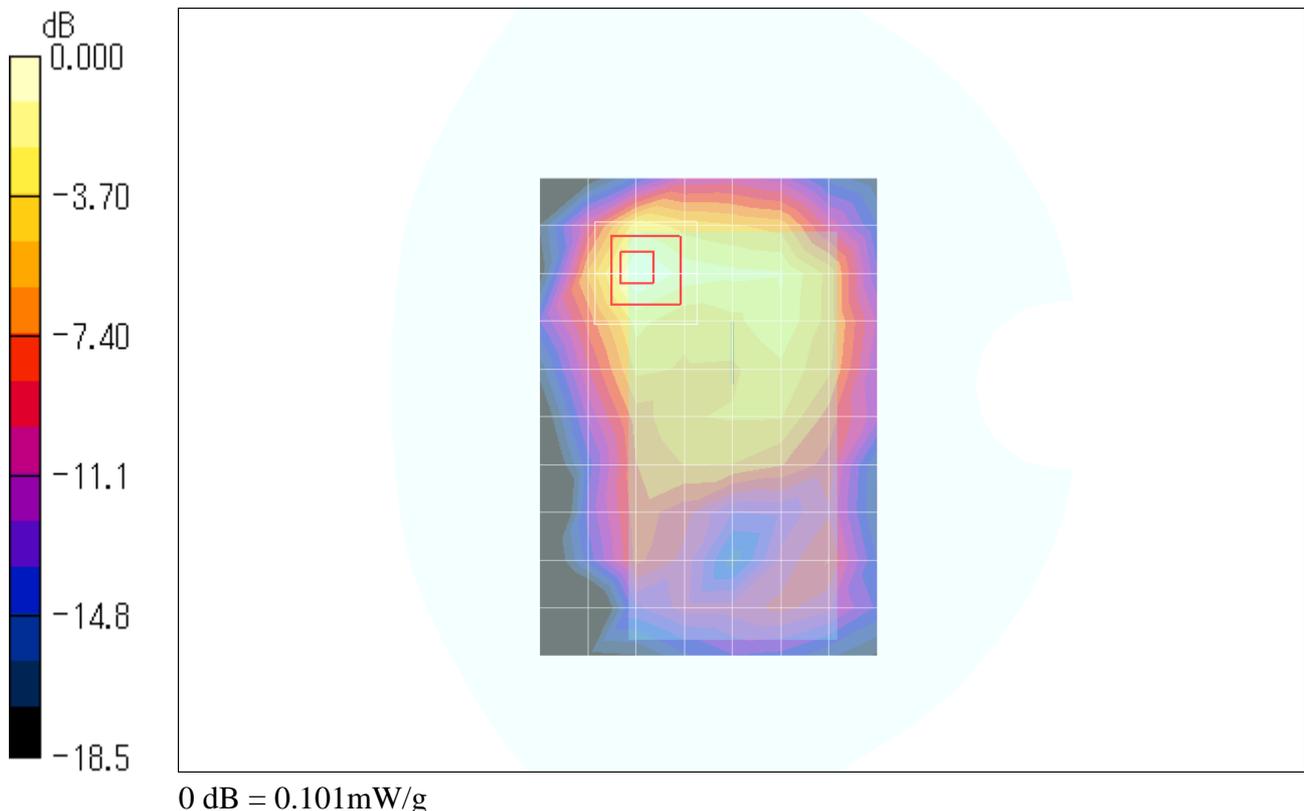
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.97 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.152 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.031 mW/g**

Maximum value of SAR (measured) = 0.101 mW/g



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## Body 11ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

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

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

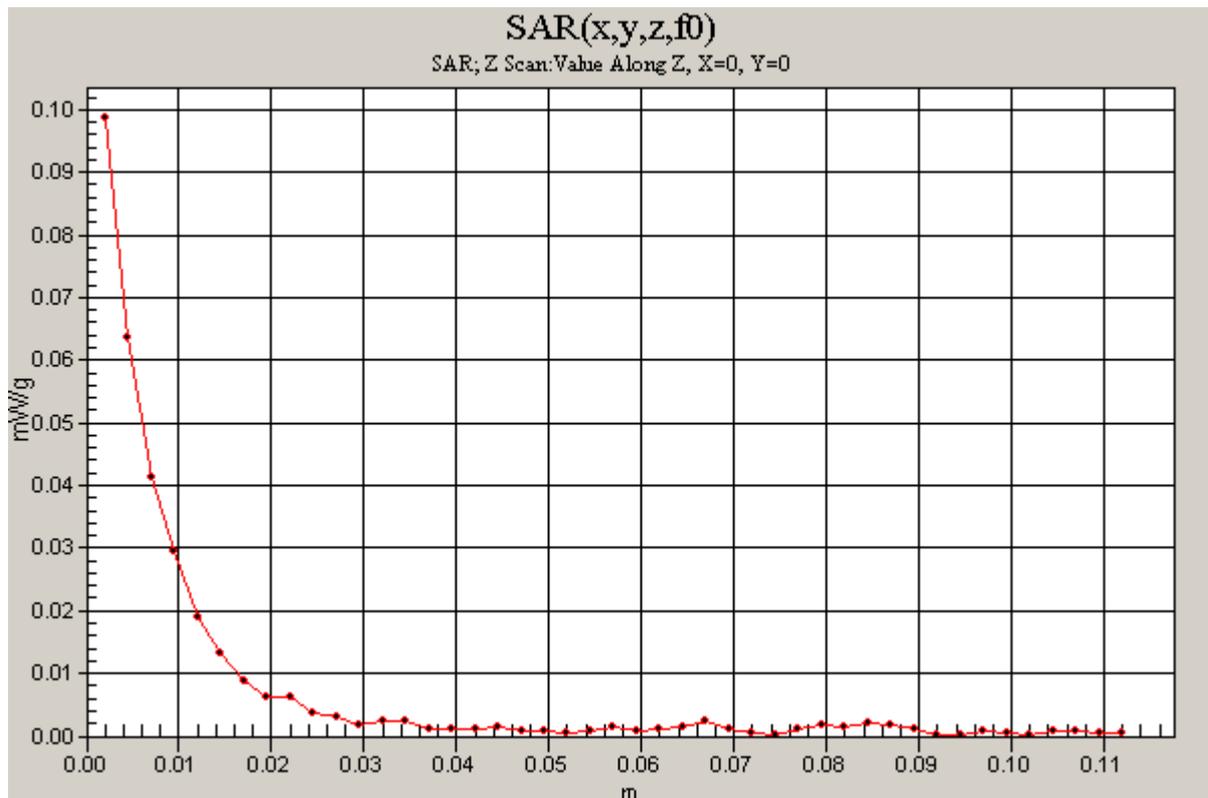
Measurement Standard: DASy4 (High Precision Assessment)

DASy4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Rear Side/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Maximum value of SAR (measured) = 0.099 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 11ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 104SH; Serial: 004401/11/368574/3**

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

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Rear Side w/headset/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.103 mW/g

**Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.06 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.033 mW/g**

Maximum value of SAR (measured) = 0.093 mW/g

