



**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:  $f = 1900$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 11.4 mW/g

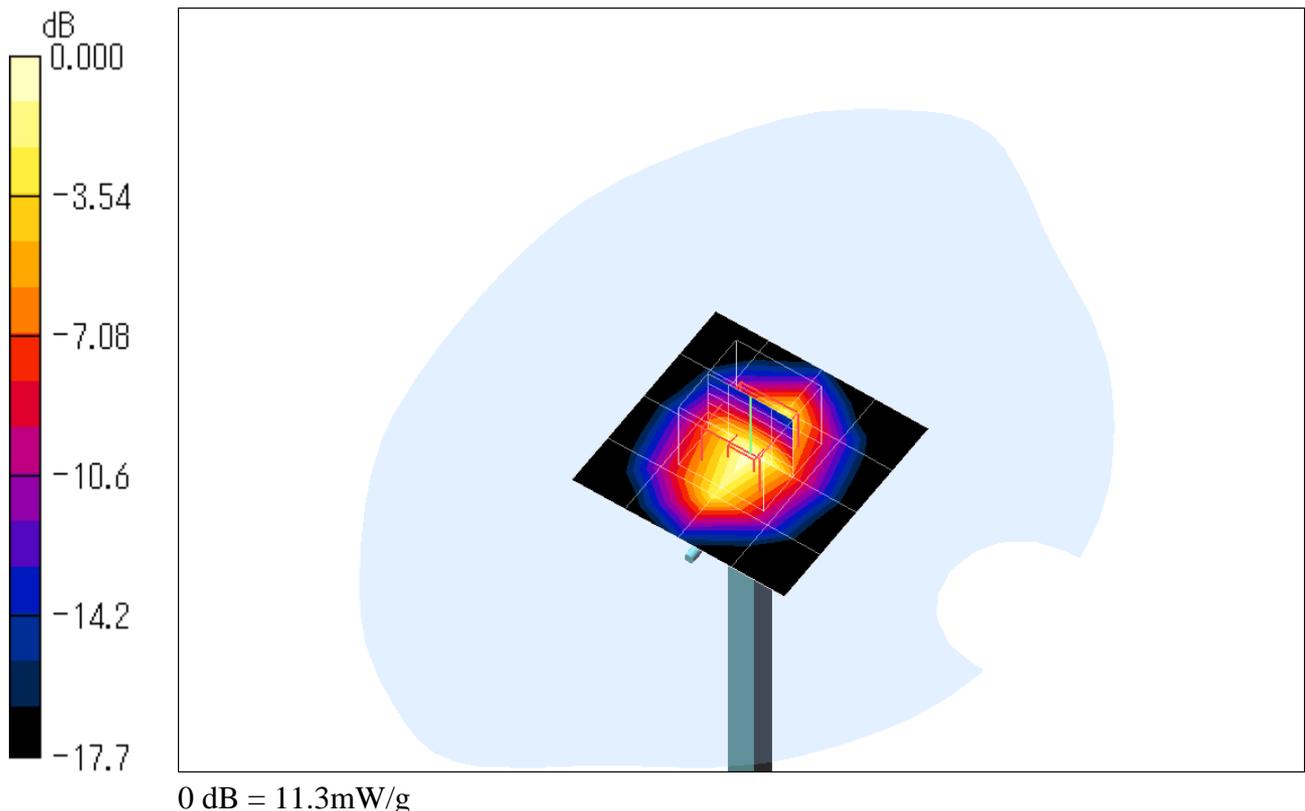
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.6 V/m; Power Drift = -0.018 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) = 11.3 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: M1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 11.8 mW/g

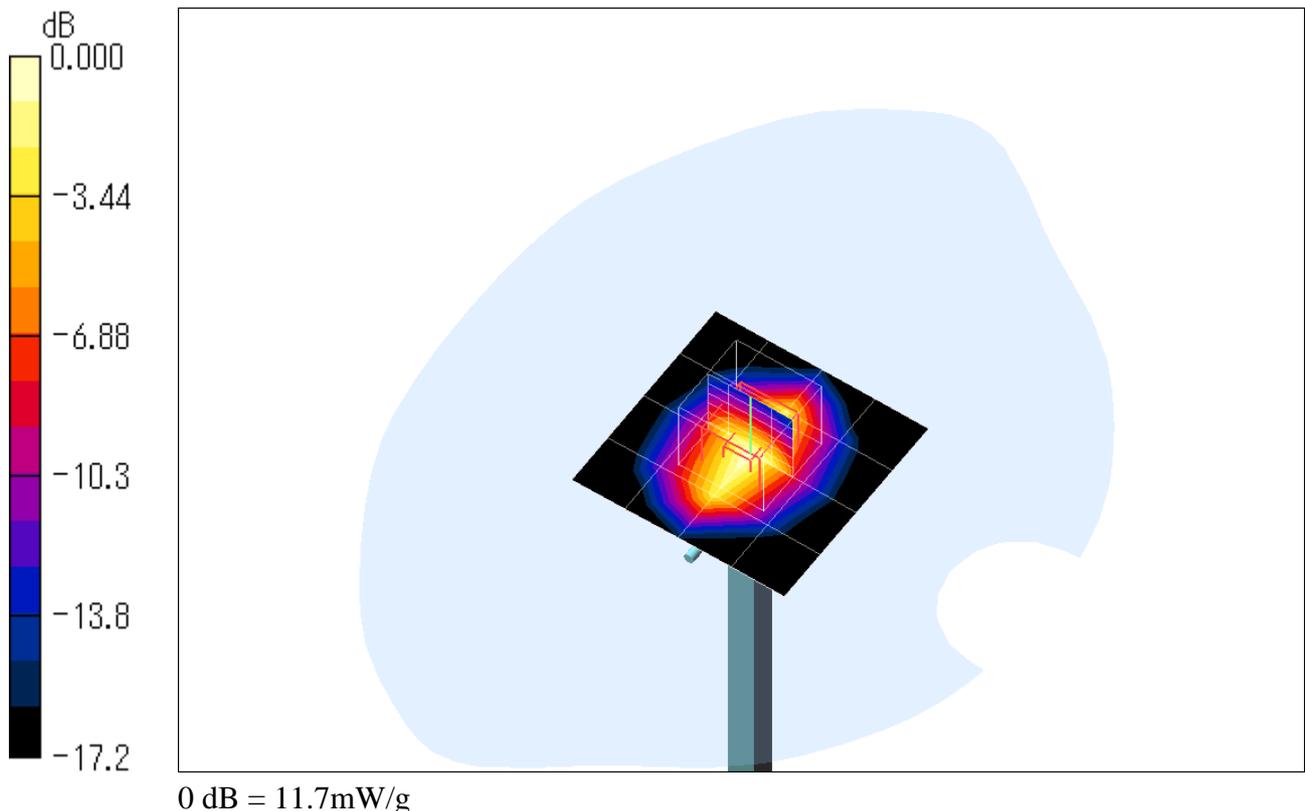
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.1 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 16.4 W/kg

**SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.53 mW/g**

Maximum value of SAR (measured) = 11.7 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## 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;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 15.6 mW/g

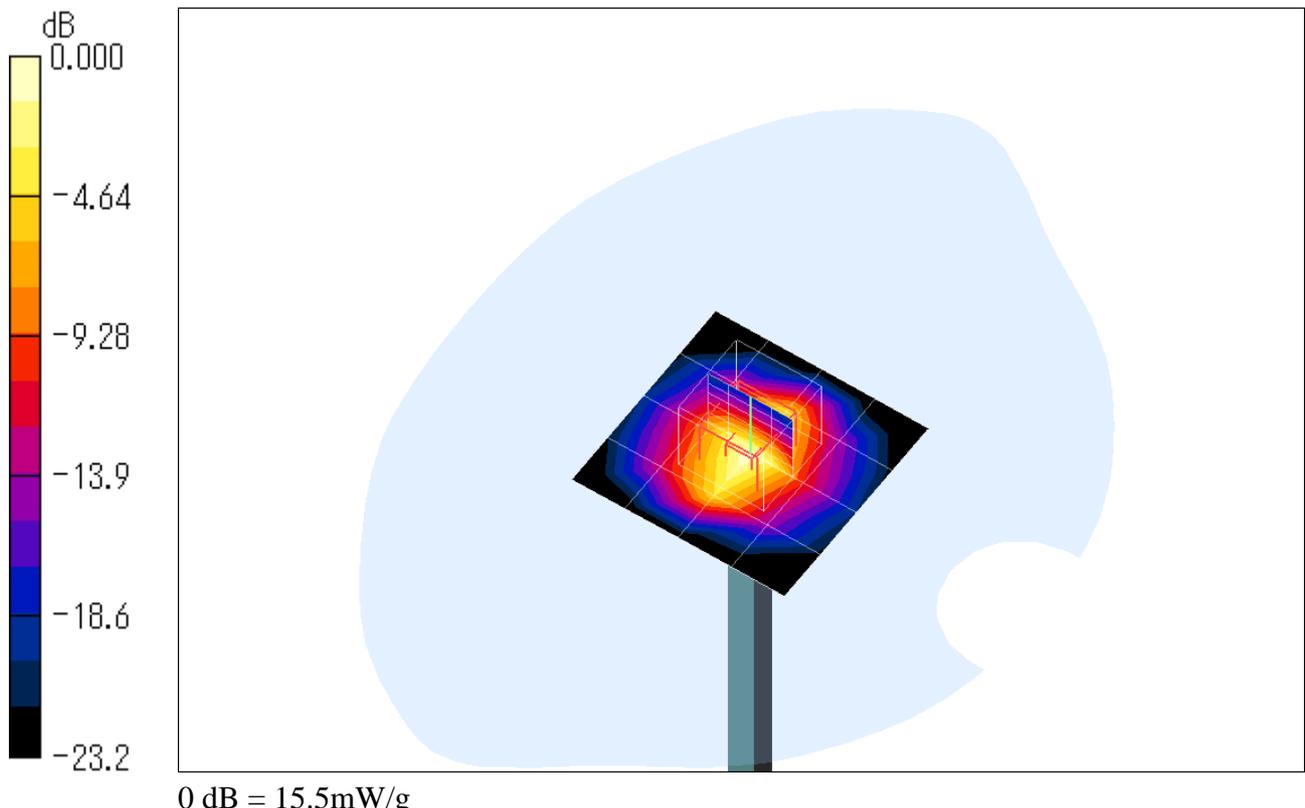
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.2 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 31.6 W/kg

**SAR(1 g) = 14 mW/g; SAR(10 g) = 6.32 mW/g**

Maximum value of SAR (measured) = 15.5 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: M2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 14.3 mW/g

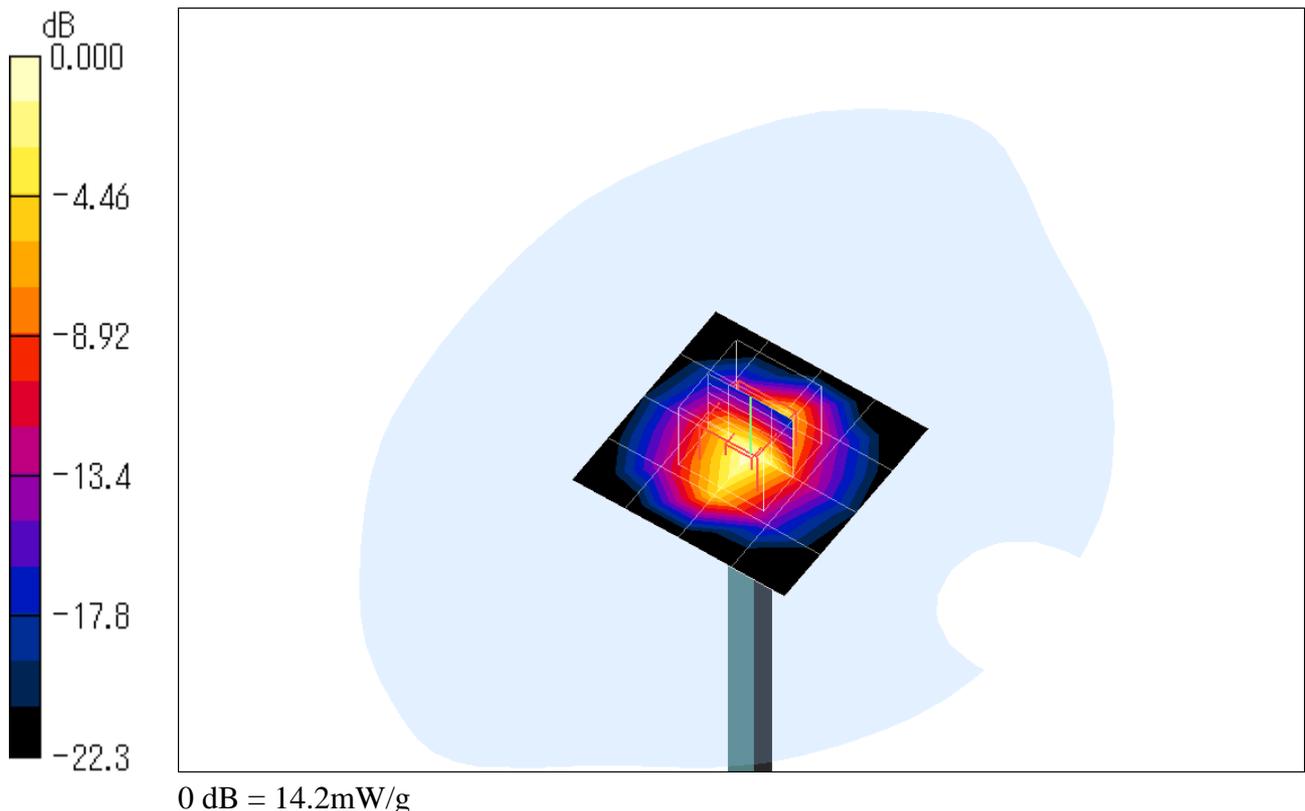
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.8 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 28.7 W/kg

**SAR(1 g) = 12.7 mW/g; SAR(10 g) = 5.81 mW/g**

Maximum value of SAR (measured) = 14.2 mW/g





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

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 512ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  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: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.501 mW/g

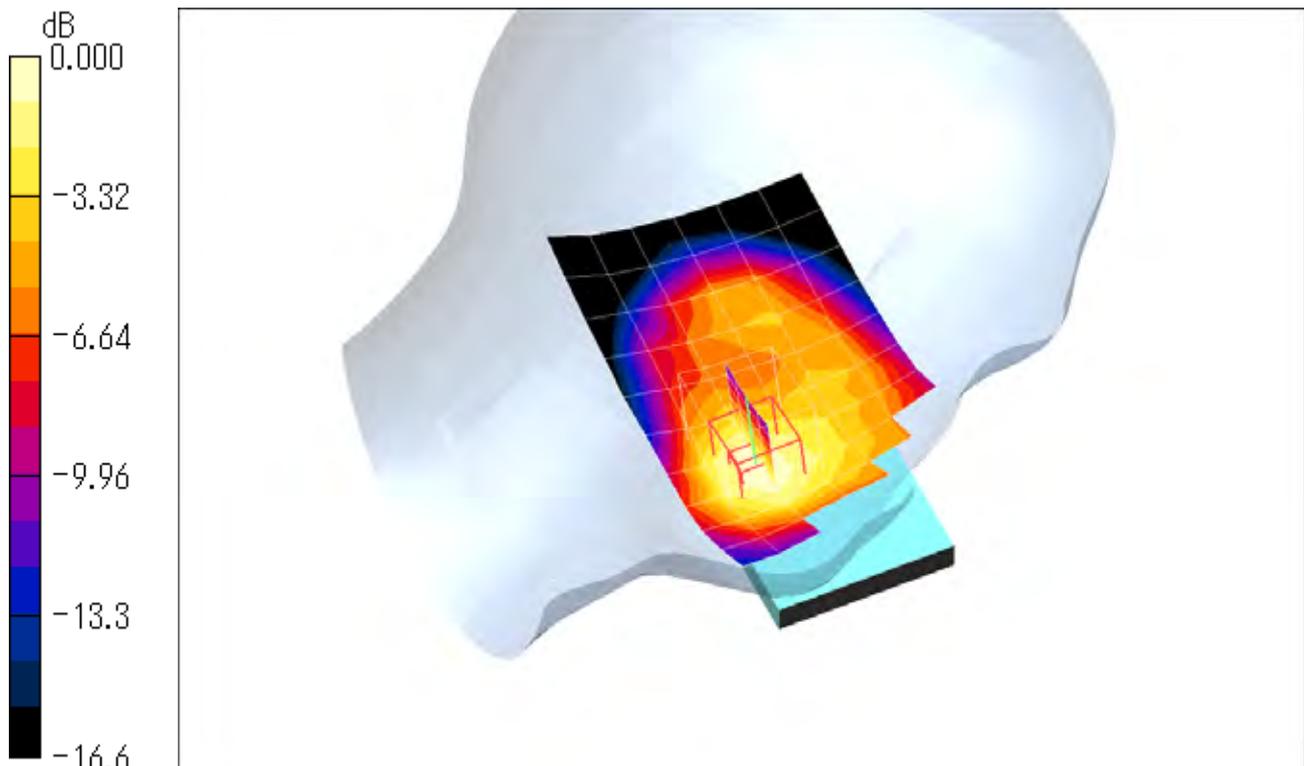
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.690 W/kg

**SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.295 mW/g**

Maximum value of SAR (measured) = 0.497 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  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: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.515 mW/g

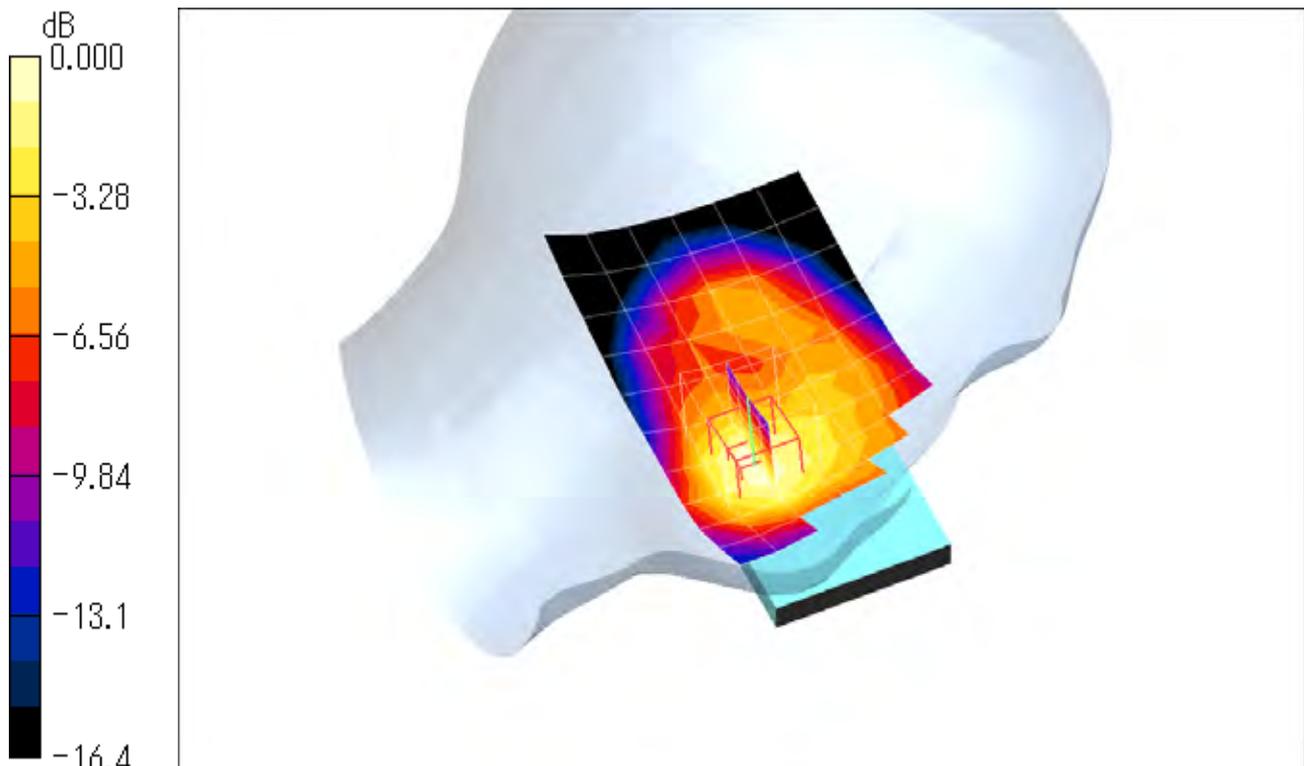
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.722 W/kg

**SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.313 mW/g**

Maximum value of SAR (measured) = 0.542 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

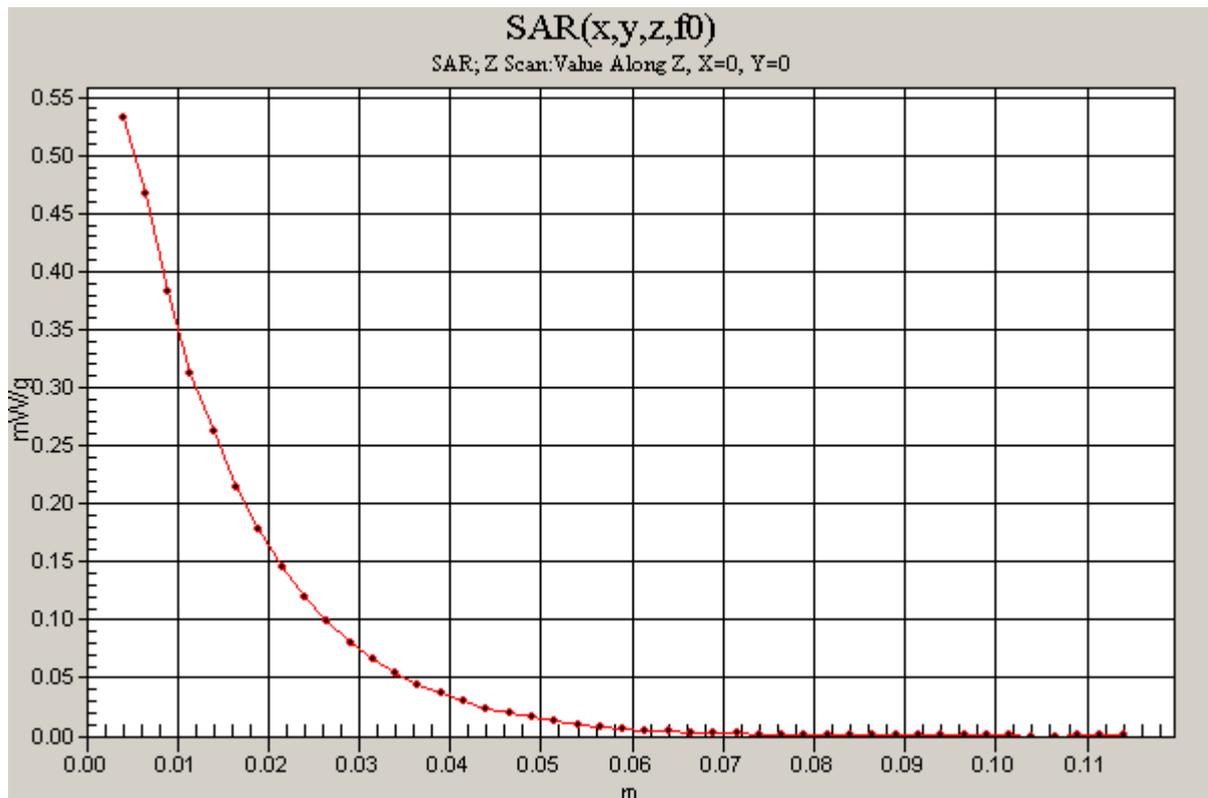
Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.532 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 810ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.45 \text{ mho/m}$ ;  $\epsilon_r = 39.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.514 mW/g

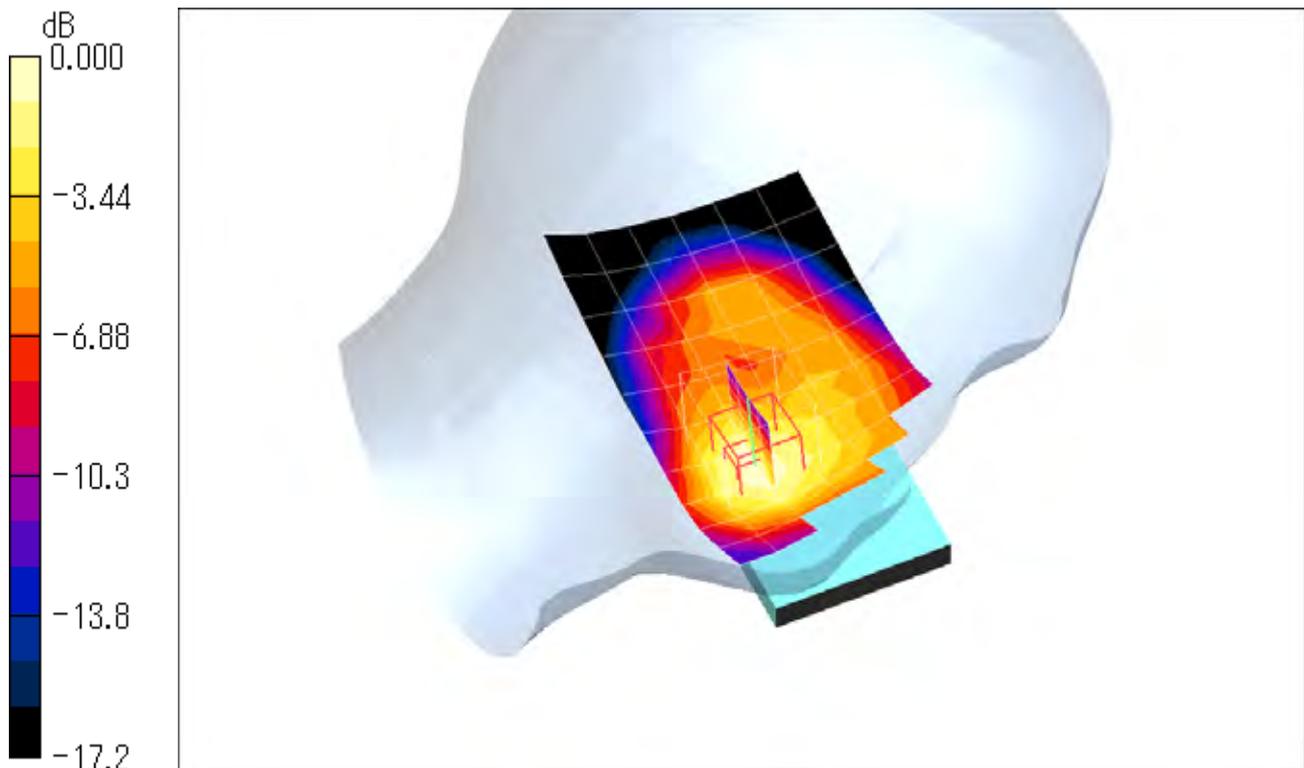
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.4 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.818 W/kg

**SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.299 mW/g**

Maximum value of SAR (measured) = 0.531 mW/g



0 dB = 0.531mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  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: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.326 mW/g

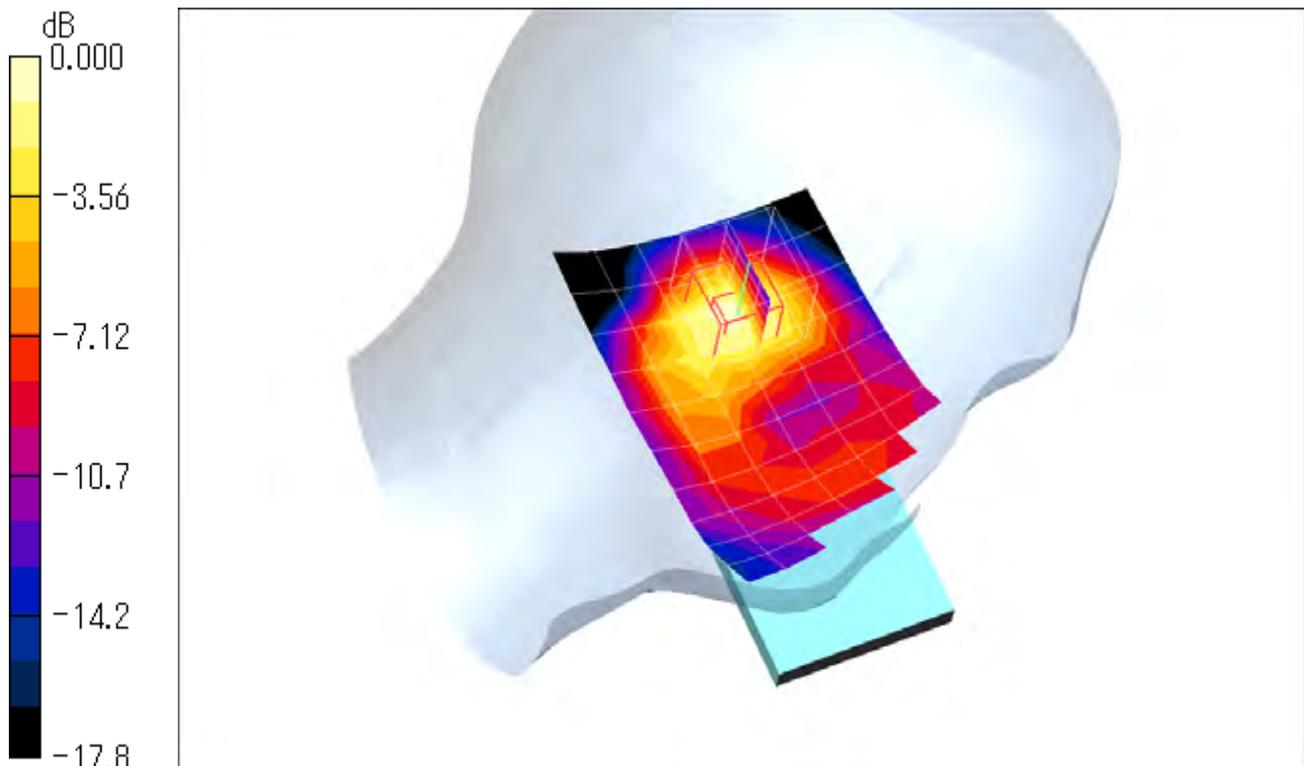
**Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.9 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.473 W/kg

**SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.187 mW/g**

Maximum value of SAR (measured) = 0.349 mW/g



0 dB = 0.349mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 661ch / PCS 1900 - GPRS 2slot

DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  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: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.460 mW/g

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

Reference Value = 16.1 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.646 W/kg

**SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.284 mW/g**

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

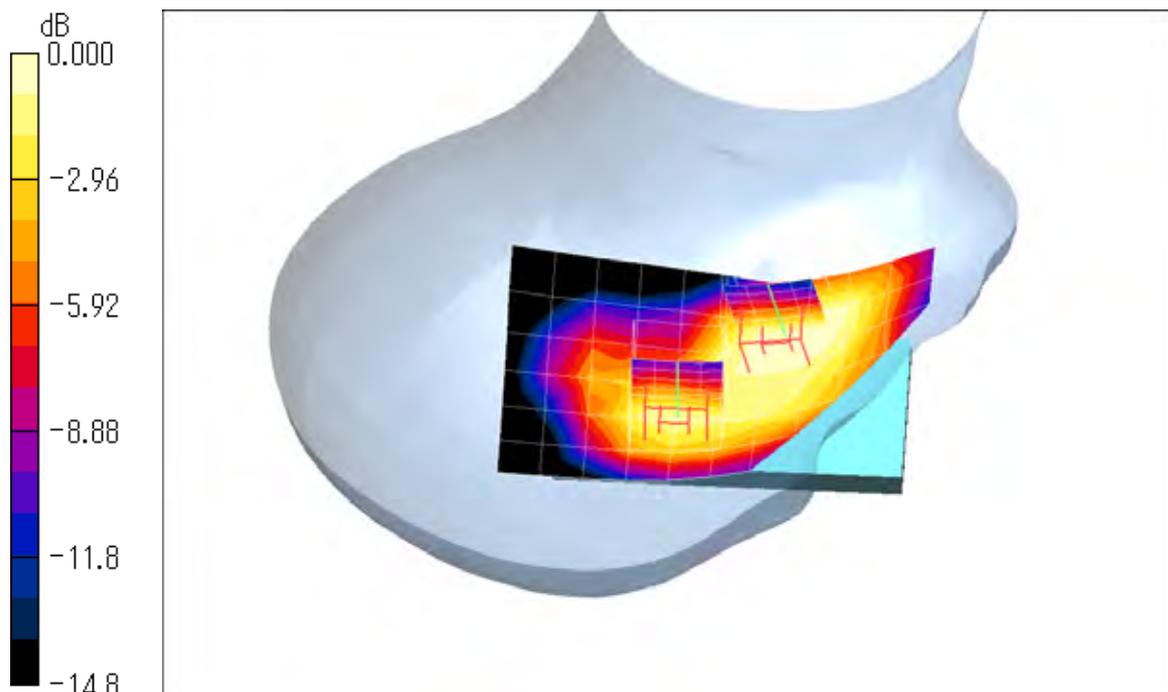
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.457 W/kg

**SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.233 mW/g**

Maximum value of SAR (measured) = 0.363 mW/g



0 dB = 0.465mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  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: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.311 mW/g

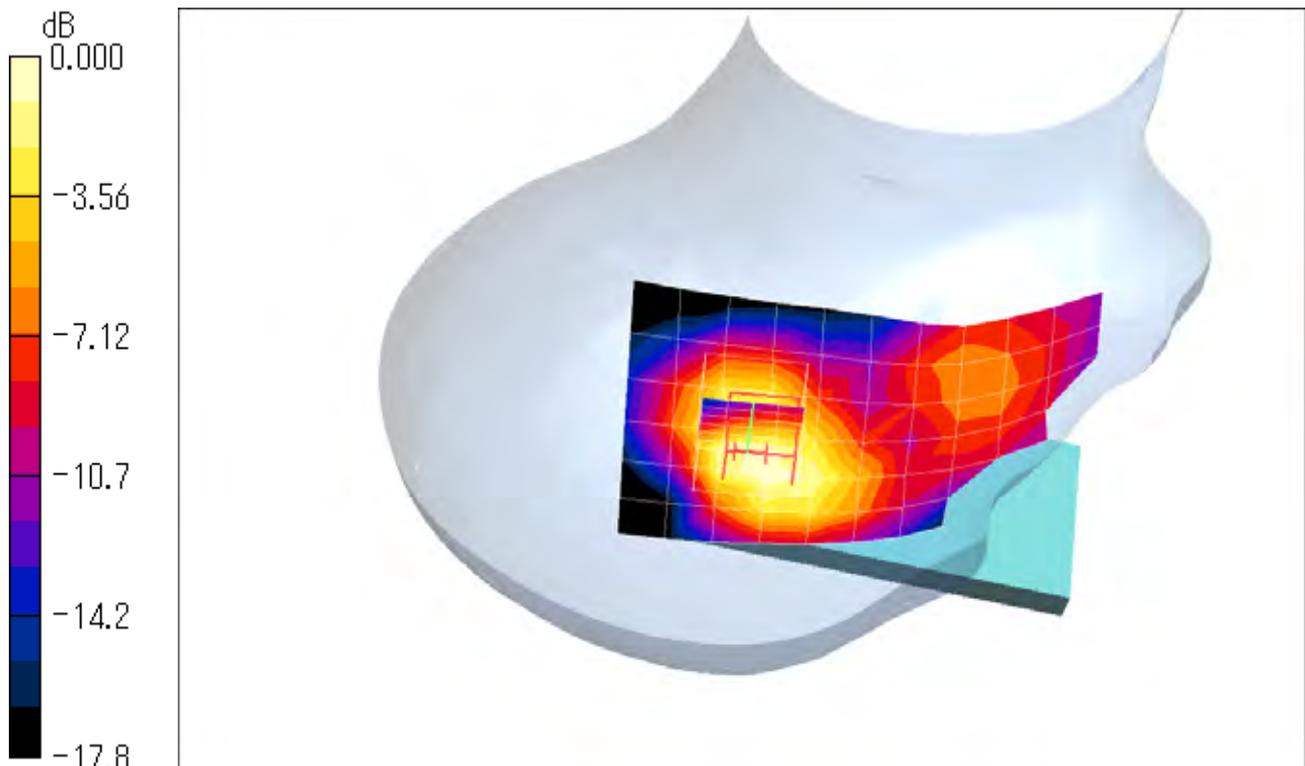
**Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 0.455 W/kg

**SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.194 mW/g**

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: M1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Bottom Edge/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.535 mW/g

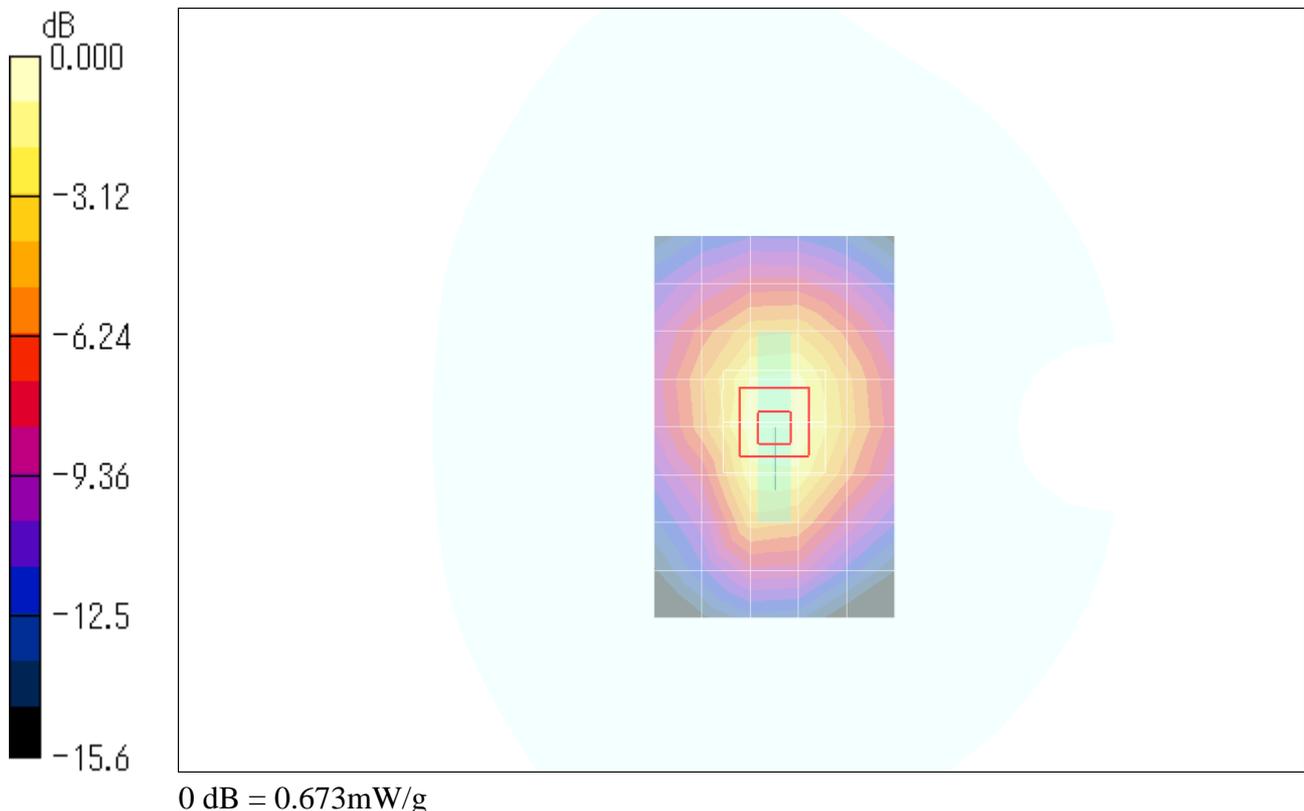
**Bottom Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.367 mW/g**

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: M1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.338 mW/g

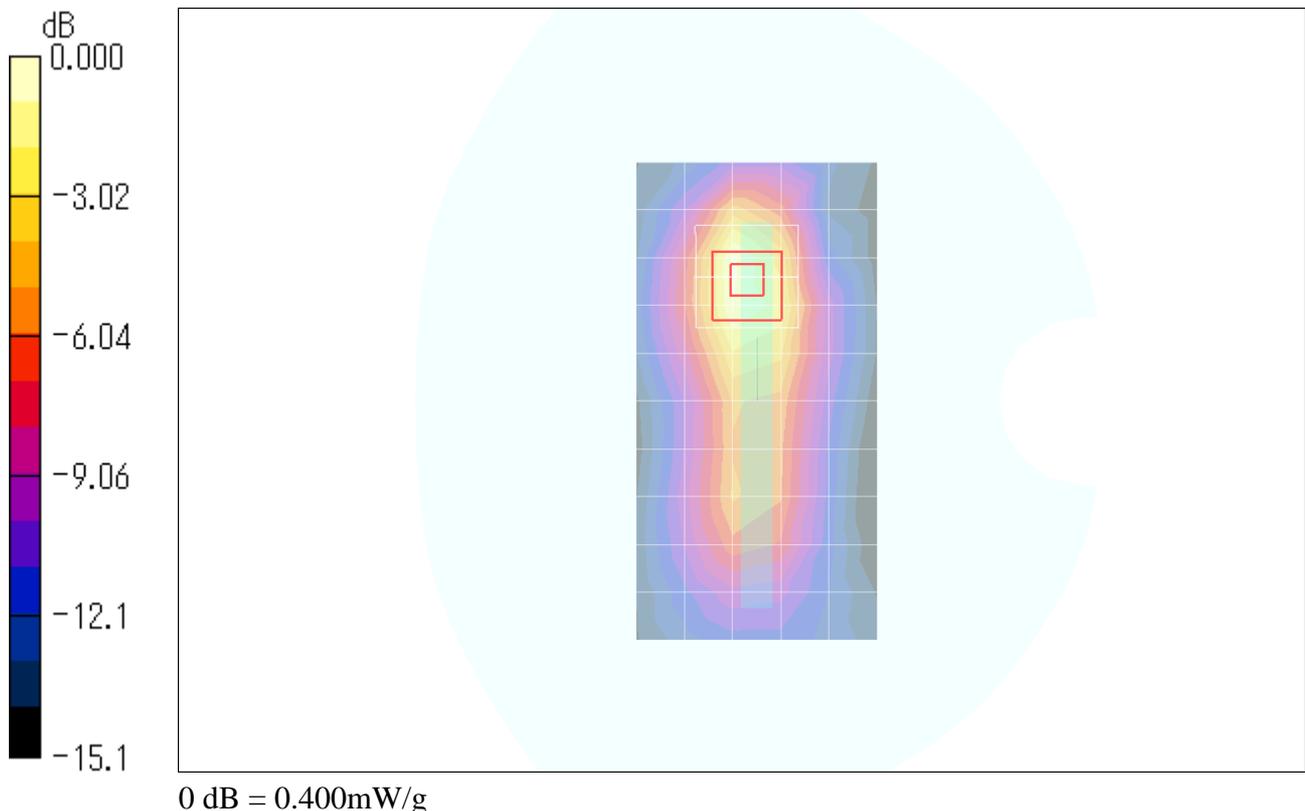
**Right Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.7 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.569 W/kg

**SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.194 mW/g**

Maximum value of SAR (measured) = 0.400 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: M1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.618 mW/g

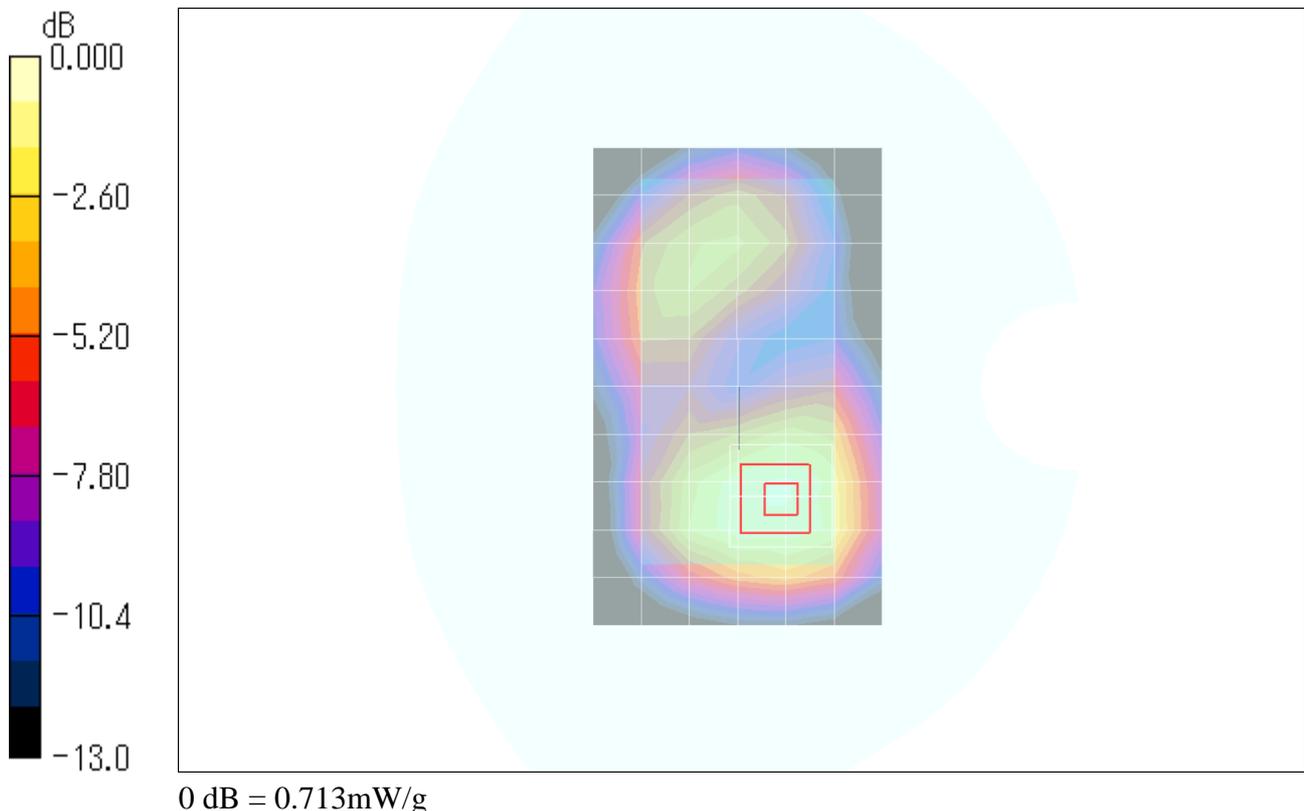
**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.3 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.941 W/kg

**SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.425 mW/g**

Maximum value of SAR (measured) = 0.713 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 512ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: M1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.724 mW/g

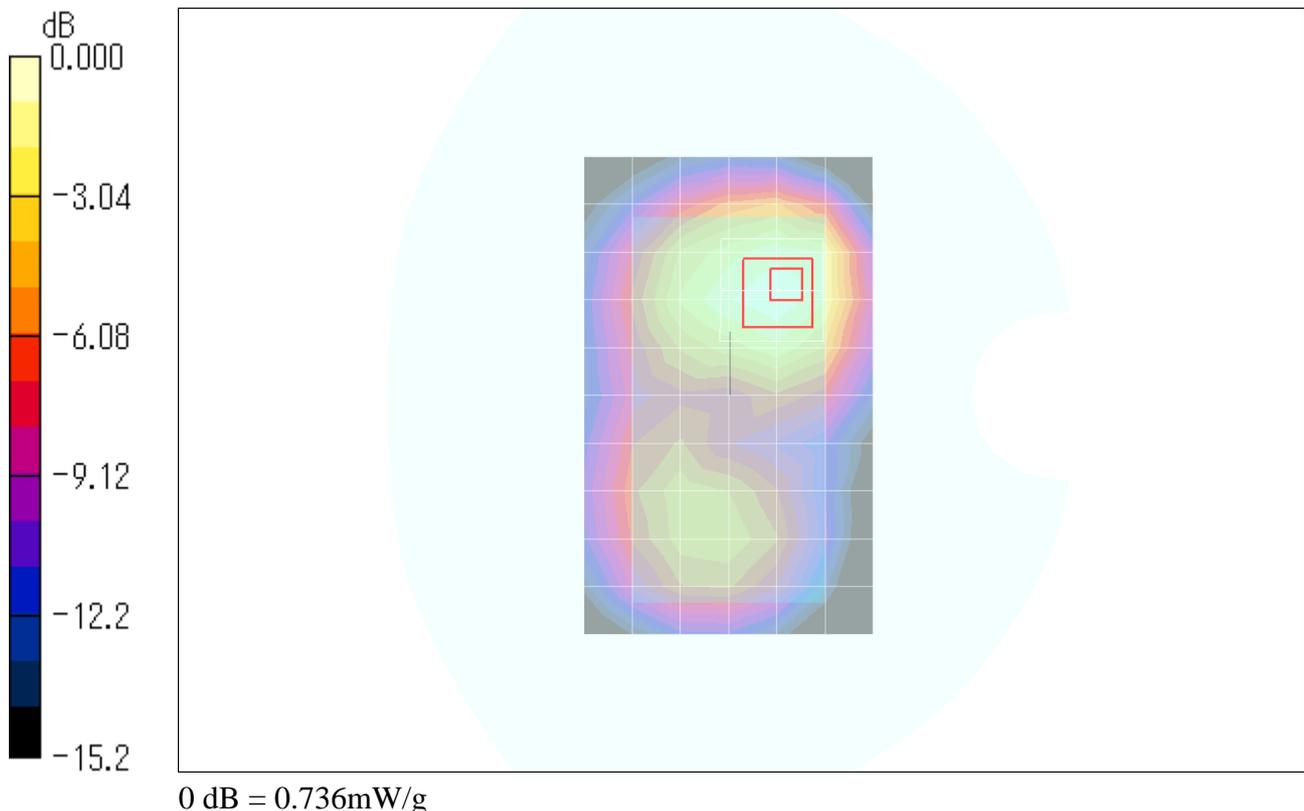
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.414 mW/g**

Maximum value of SAR (measured) = 0.736 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: M1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASy4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.717 mW/g

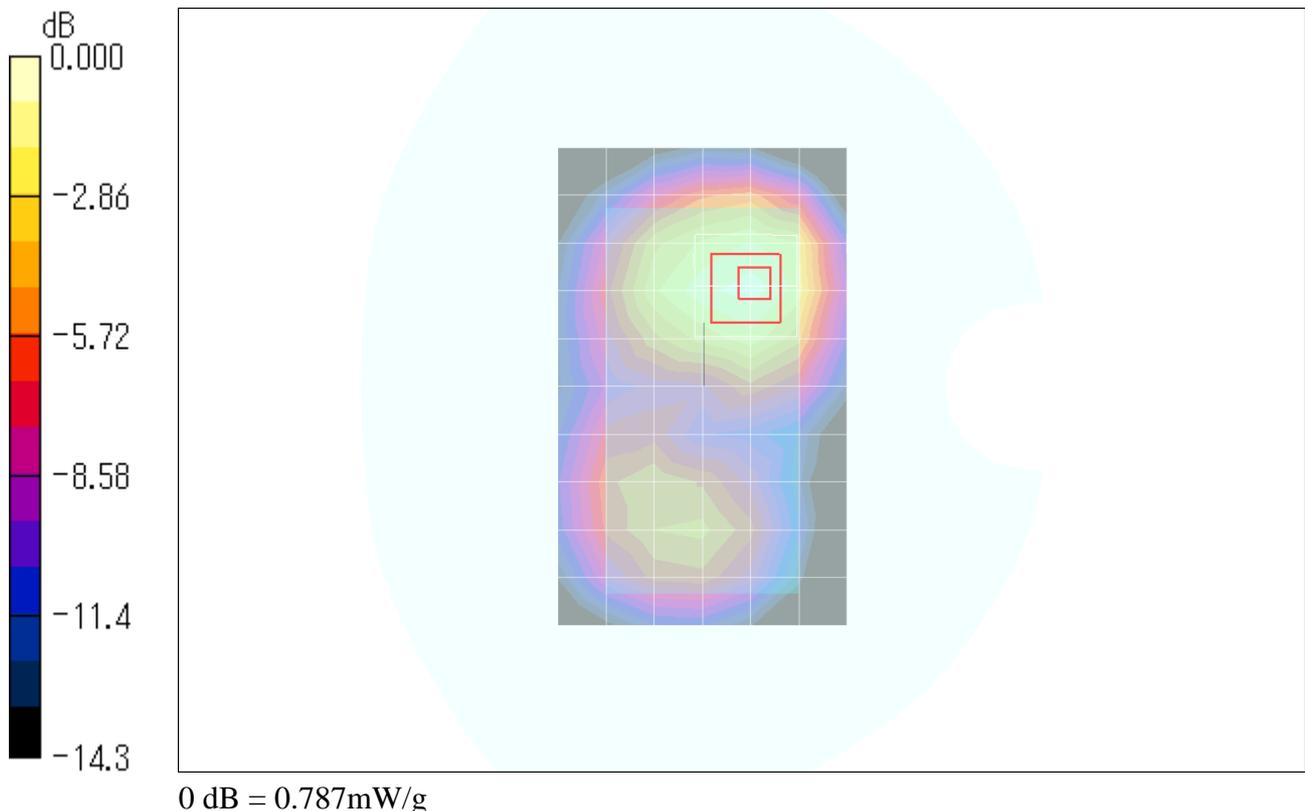
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.447 mW/g**

Maximum value of SAR (measured) = 0.787 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

**Body 661ch / PCS 1900 - GPRS 2slot****DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: M1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

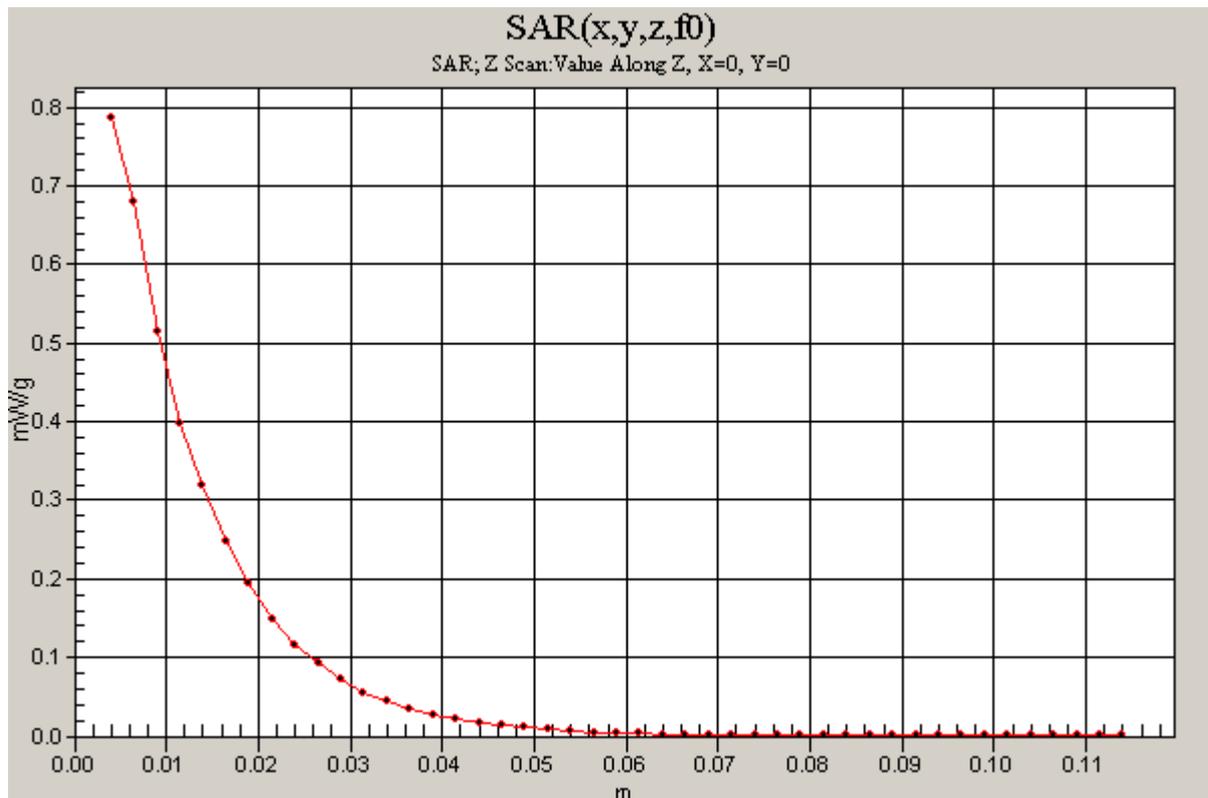
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Maximum value of SAR (measured) = 0.787 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 810ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: M1900 Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.779 mW/g

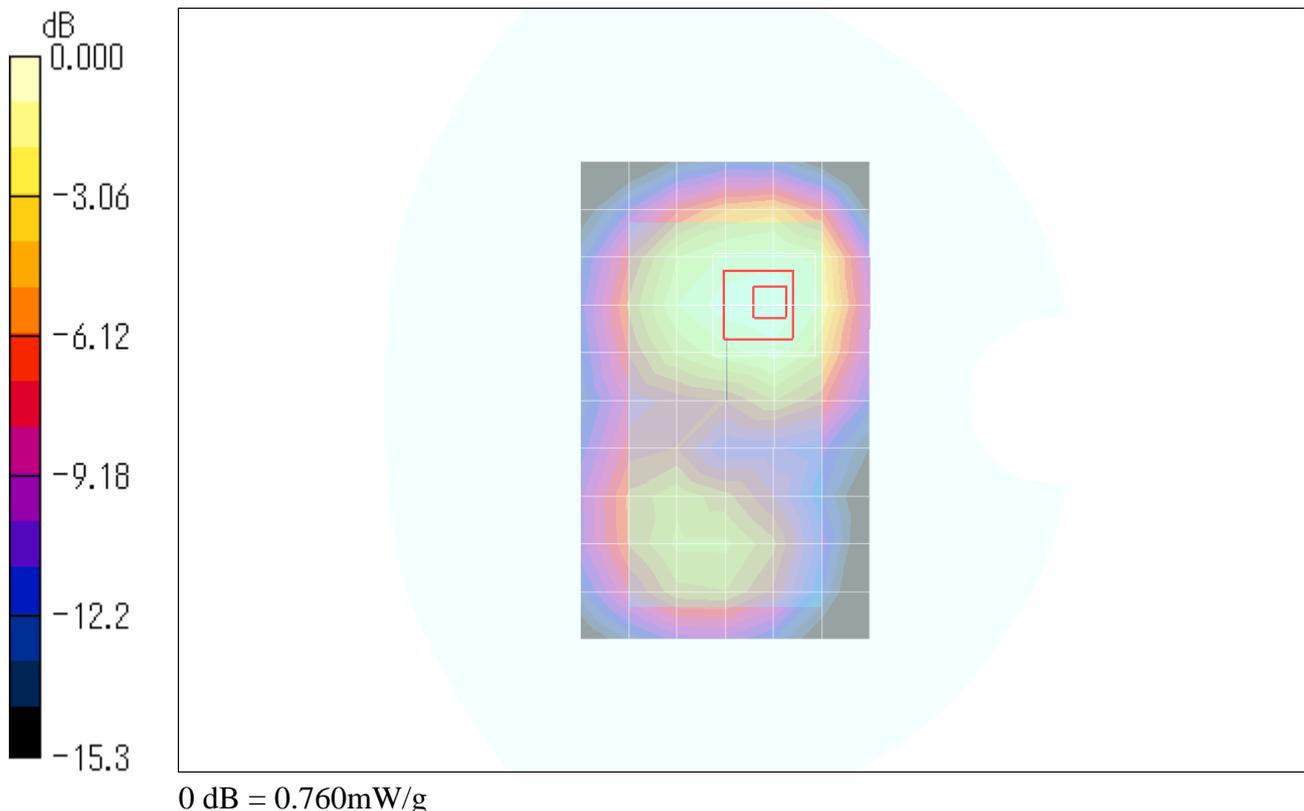
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.440 mW/g**

Maximum value of SAR (measured) = 0.760 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 2slot

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: M1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.56, 4.56, 4.56); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.716 mW/g

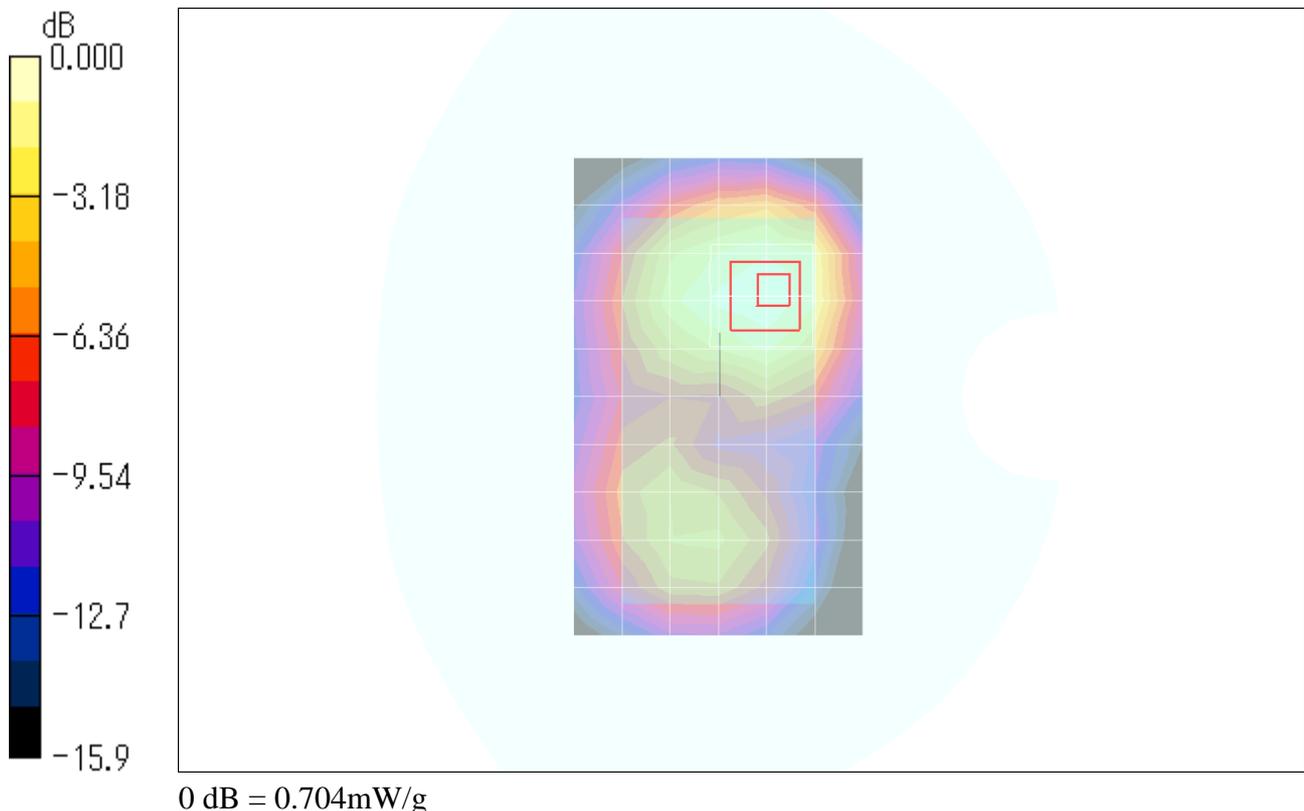
**Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.663 mW/g; SAR(10 g) = 0.404 mW/g**

Maximum value of SAR (measured) = 0.704 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: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.8$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.408 mW/g

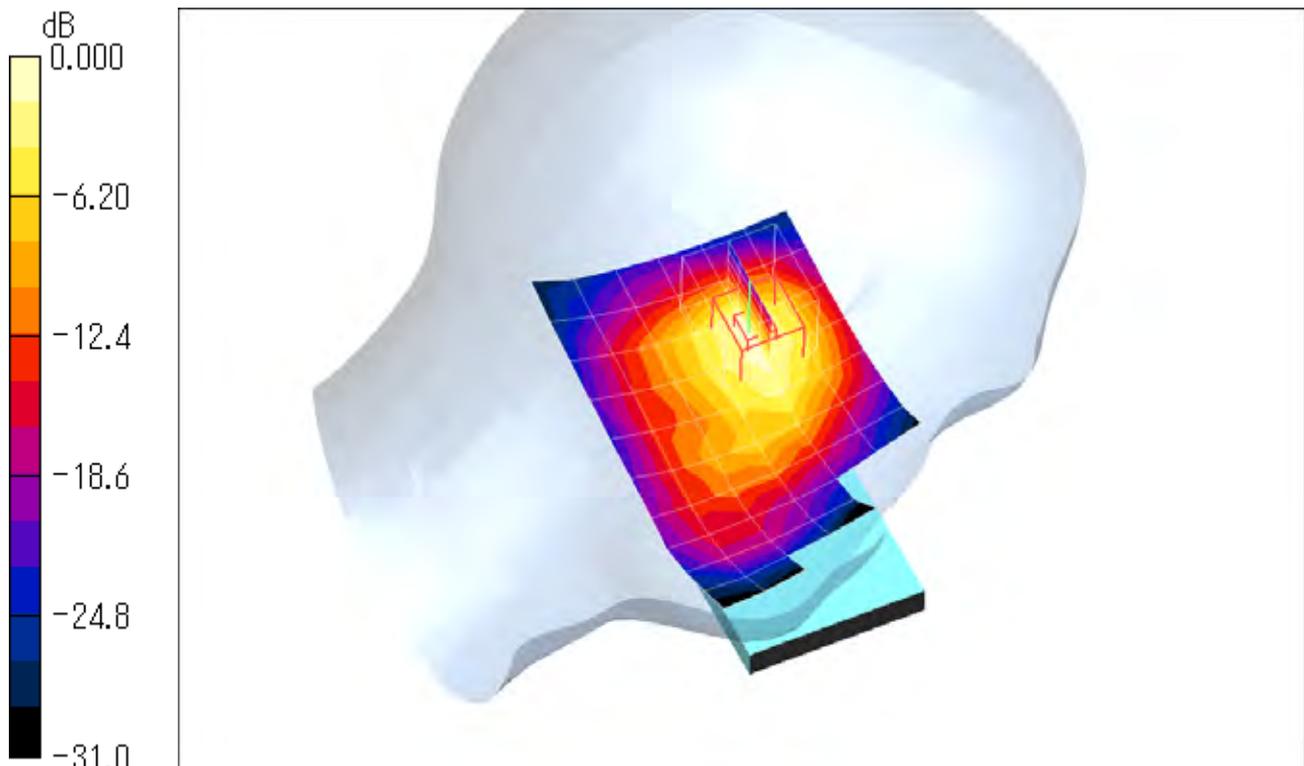
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.87 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.212 mW/g**

Maximum value of SAR (measured) = 0.494 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

**Left Head 1ch / 802.11b 1Mbps****DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

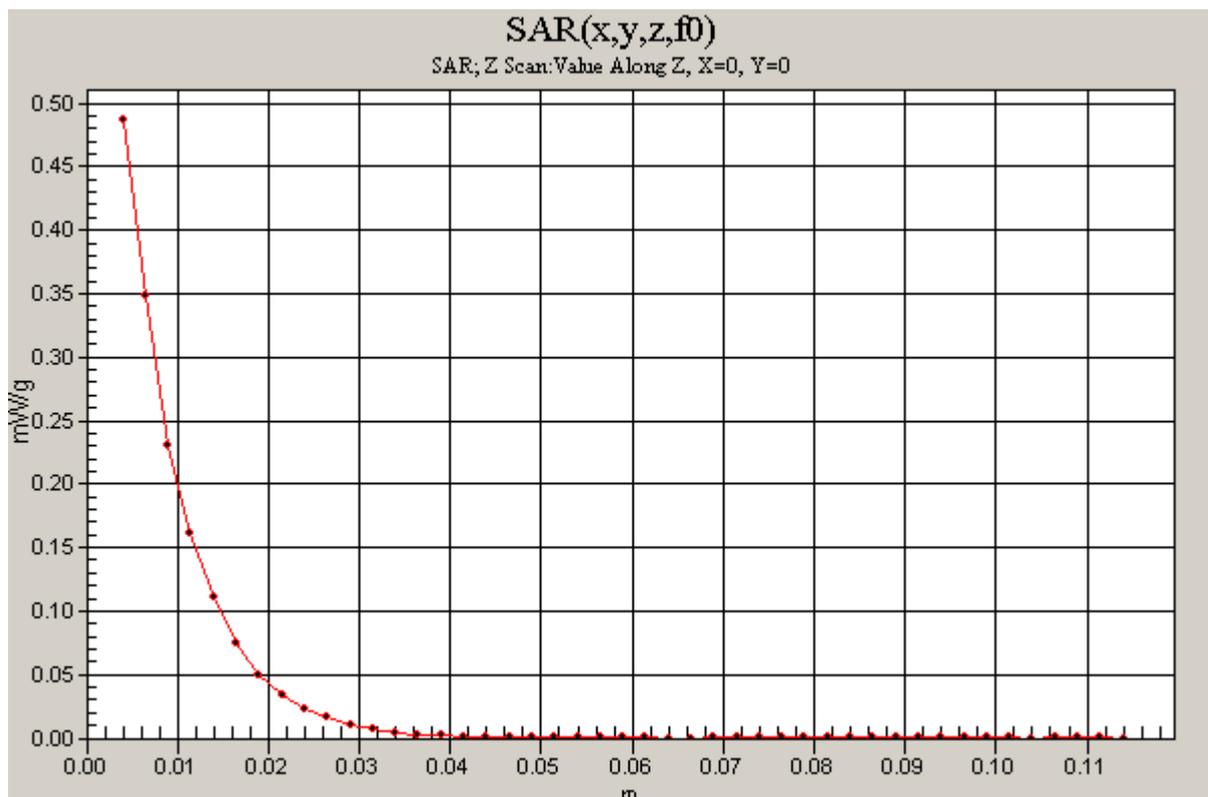
Medium: HSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.8$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.487 mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.389 mW/g

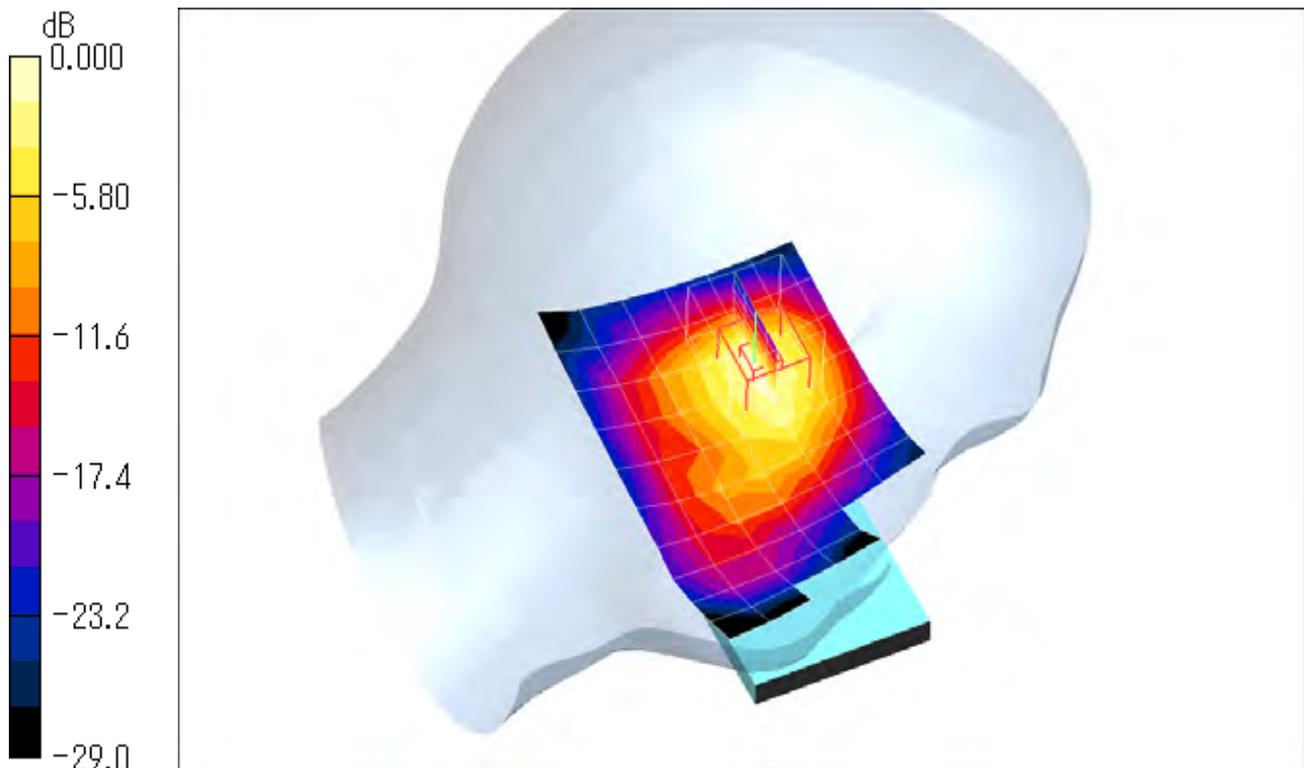
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.46 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.204 mW/g**

Maximum value of SAR (measured) = 0.473 mW/g



0 dB = 0.473mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 11ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.86$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, 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) = 0.350 mW/g

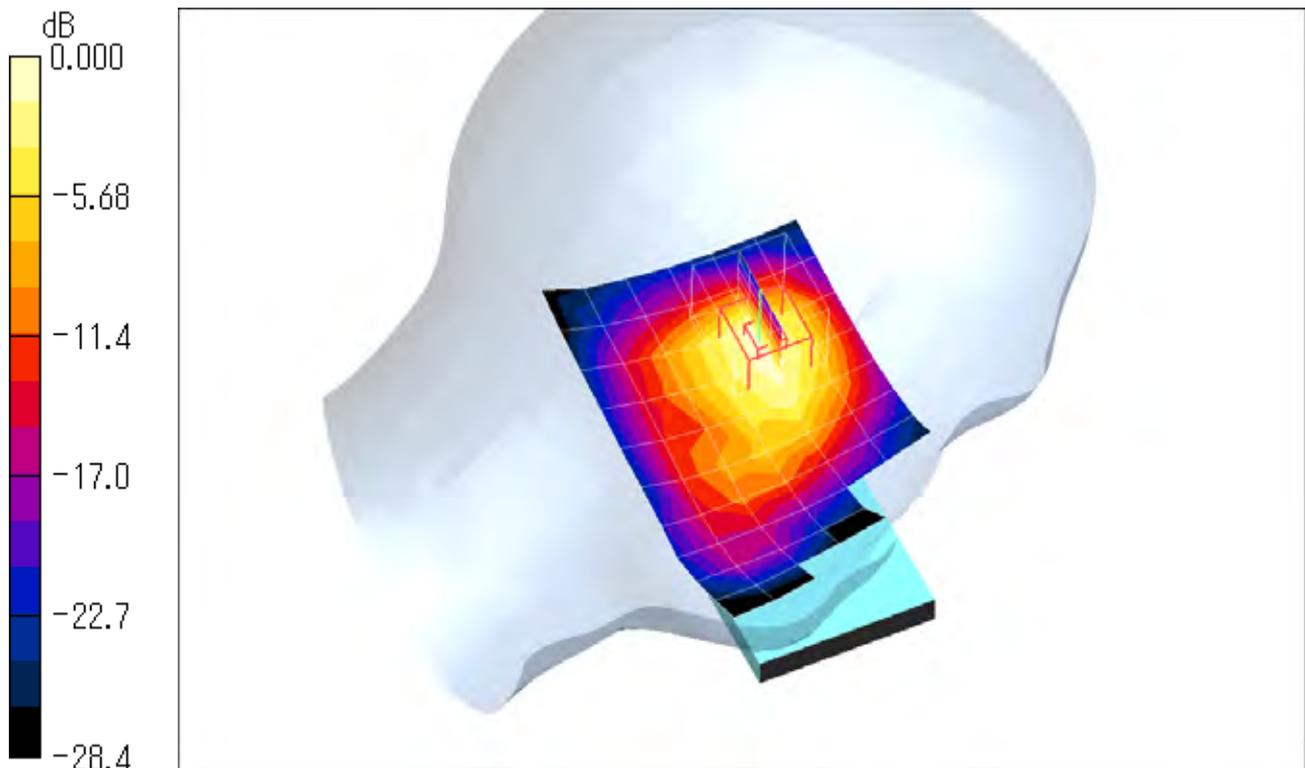
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.75 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.926 W/kg

**SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.173 mW/g**

Maximum value of SAR (measured) = 0.395 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.230 mW/g

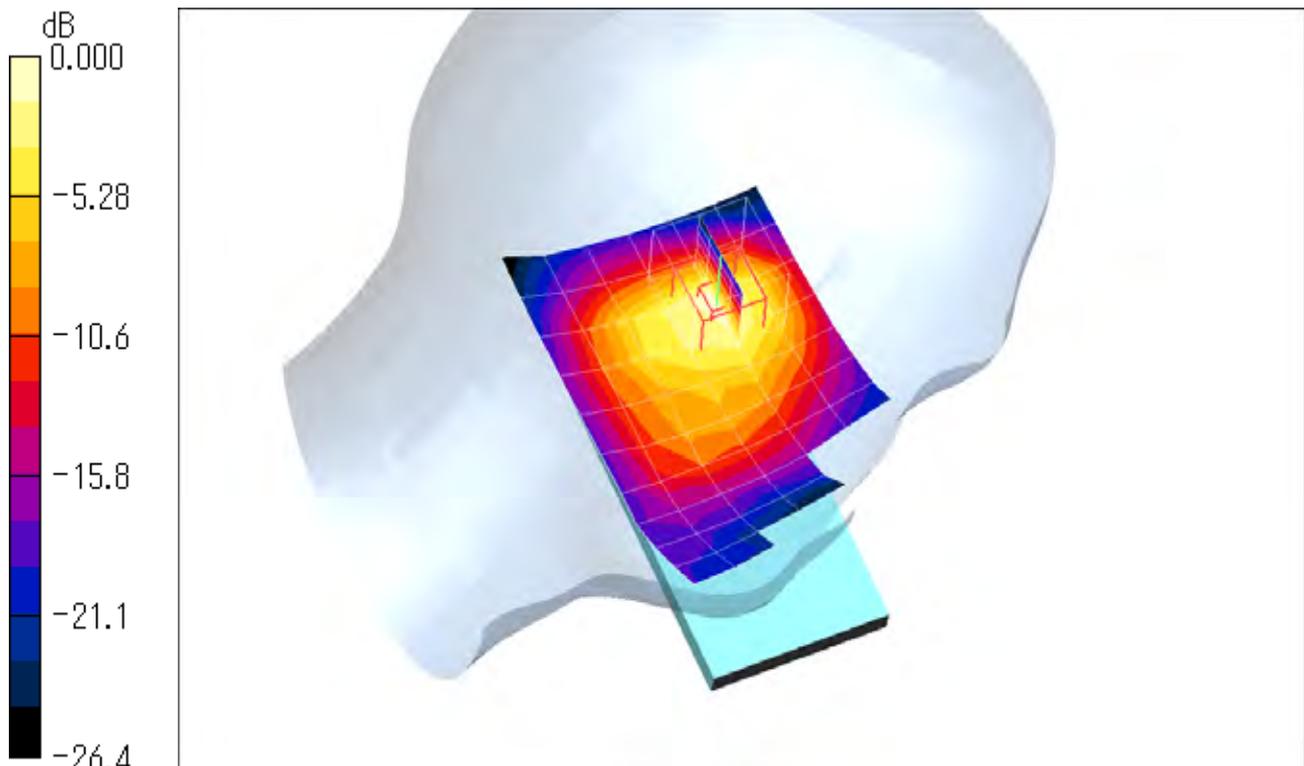
**Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.00 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.567 W/kg

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.104 mW/g**

Maximum value of SAR (measured) = 0.255 mW/g



0 dB = 0.255mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 1ch / 802.11b 2Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.8$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.425 mW/g

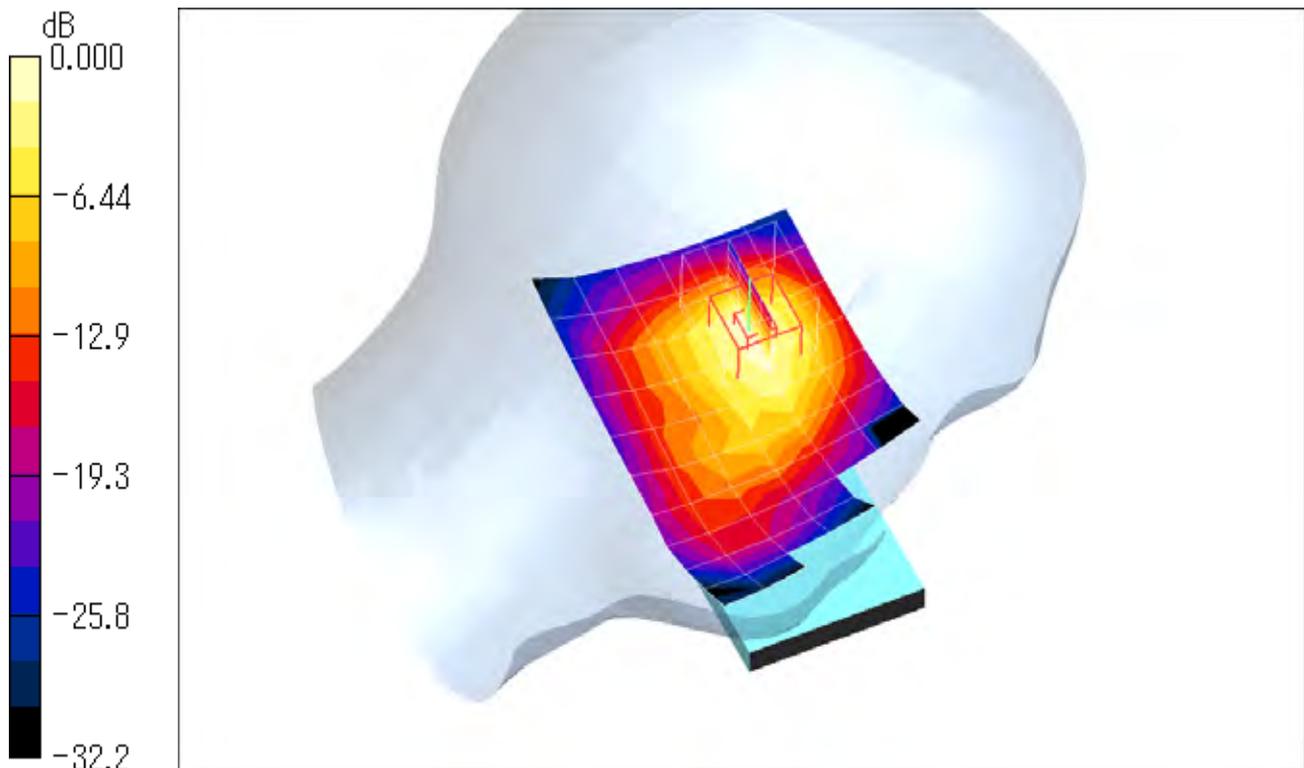
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.95 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.208 mW/g**

Maximum value of SAR (measured) = 0.483 mW/g



0 dB = 0.483mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 1ch / 802.11b 5.5Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.8$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.350 mW/g

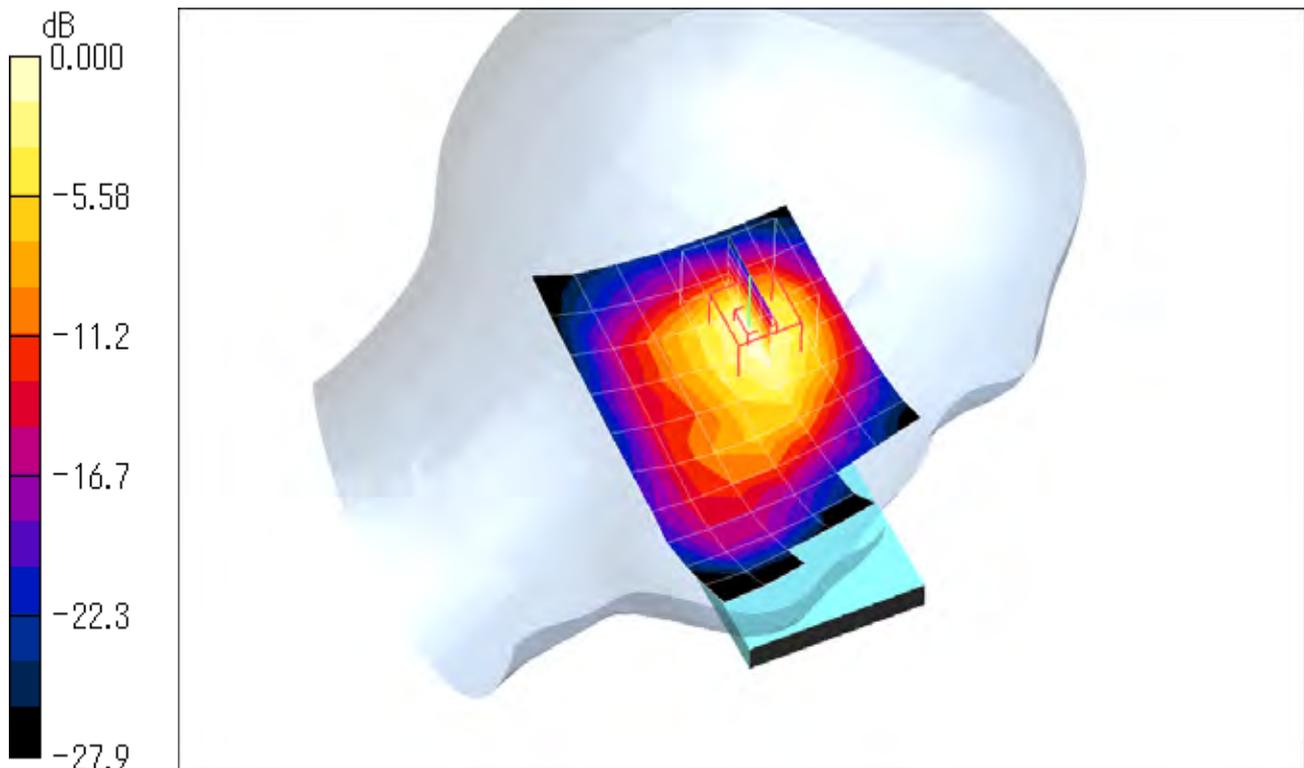
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.33 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.927 W/kg

**SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.175 mW/g**

Maximum value of SAR (measured) = 0.404 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 1ch / 802.11b 11Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.8$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.269 mW/g

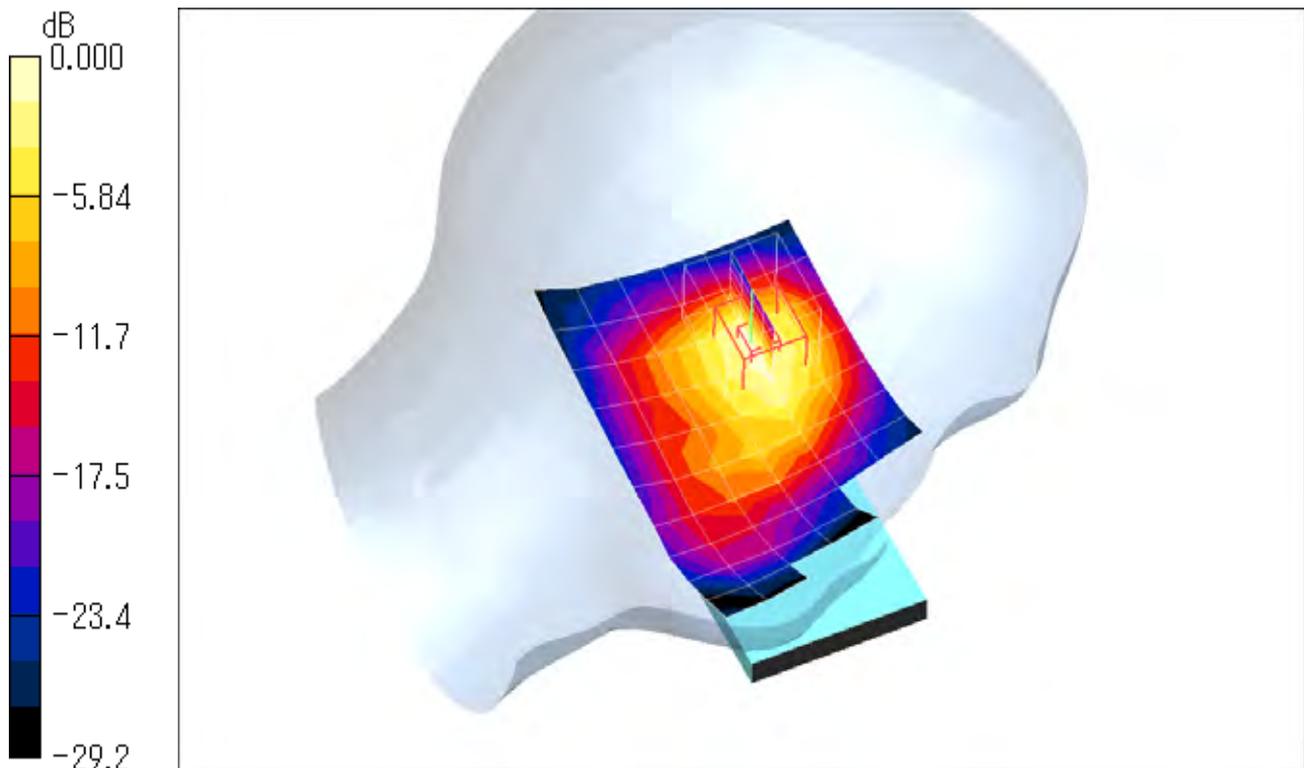
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.41 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.724 W/kg

**SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.137 mW/g**

Maximum value of SAR (measured) = 0.318 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.175 mW/g

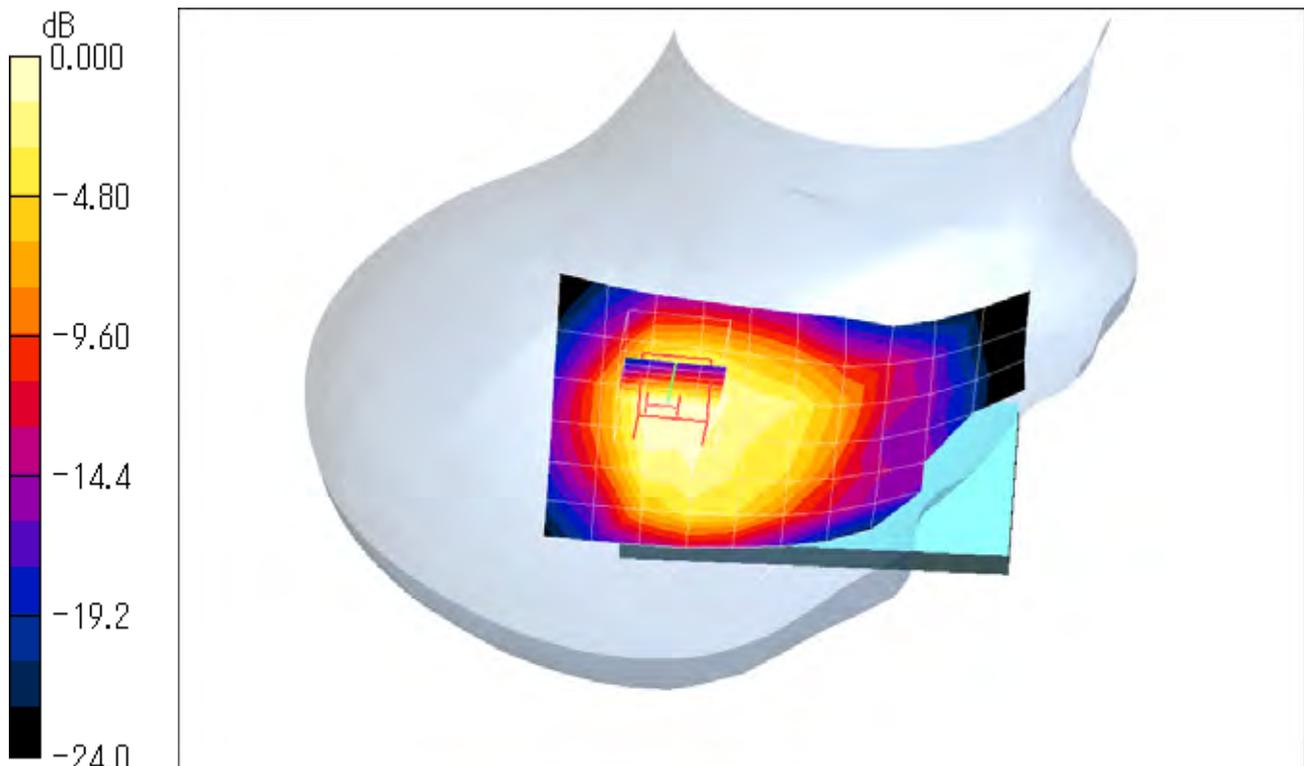
**Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.80 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.406 W/kg

**SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.102 mW/g**

Maximum value of SAR (measured) = 0.198 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: HSL2450 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.83 \text{ mho/m}$ ;  $\epsilon_r = 39.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.26, 4.26, 4.26); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.117 mW/g

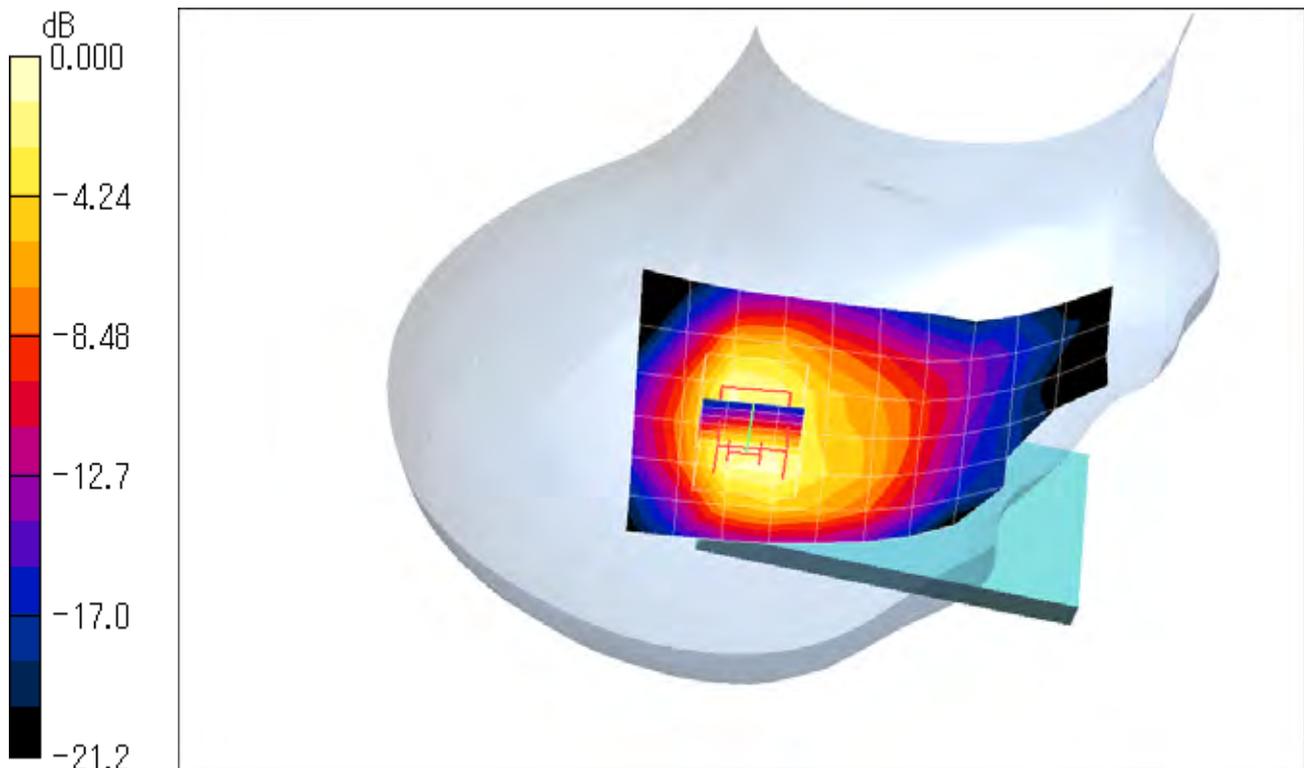
**Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.70 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.068 mW/g**

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



0 dB = 0.144mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASy4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

**Top Edge/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.027 mW/g

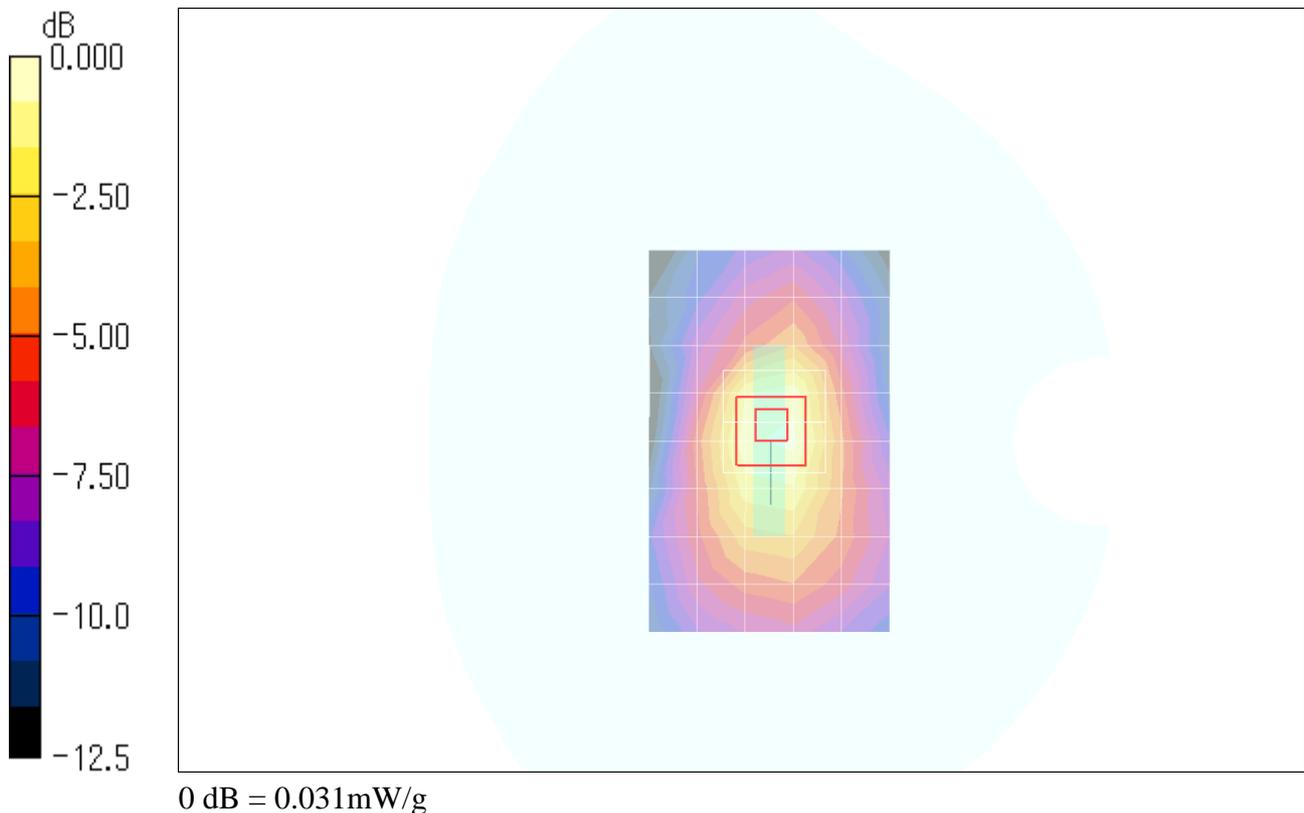
**Top Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.12 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.063 W/kg

**SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.031 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASy4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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) = 0.058 mW/g

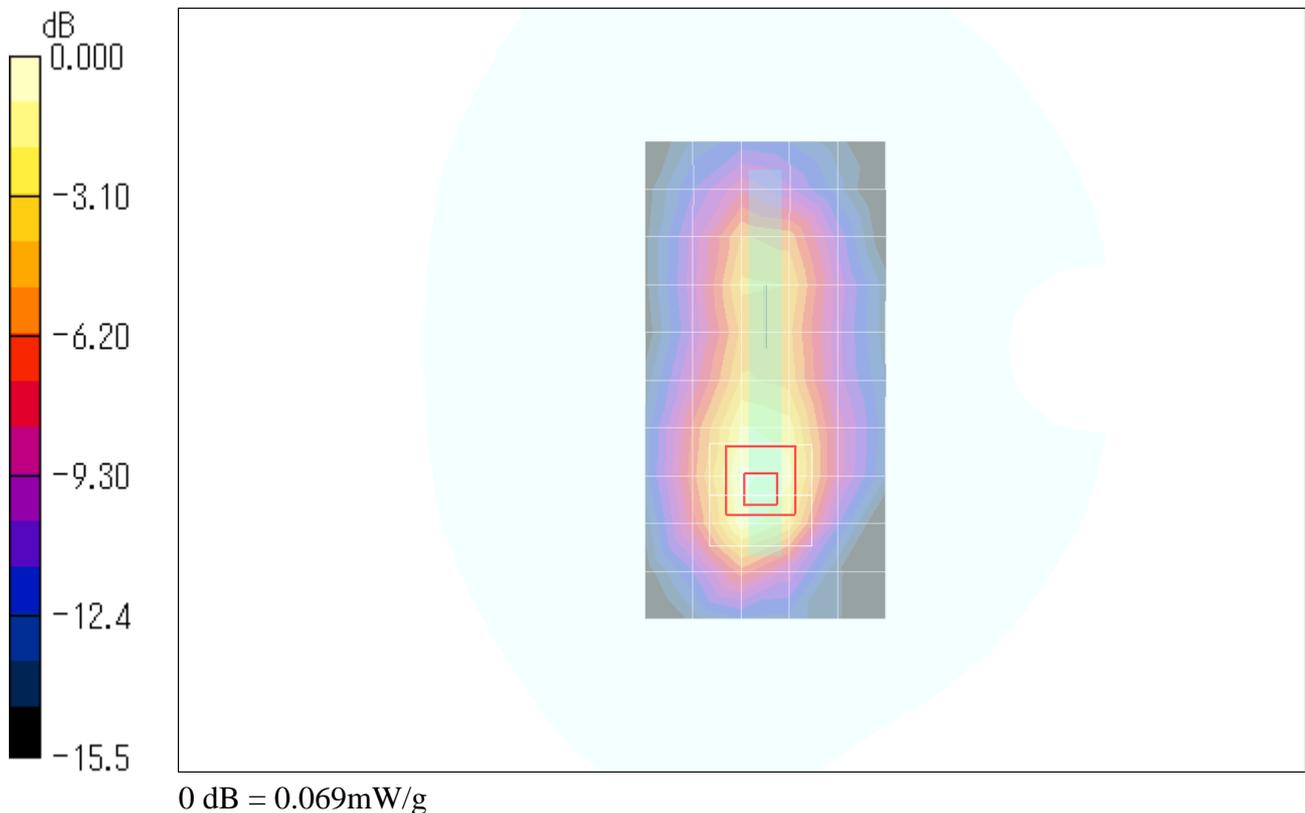
**Right Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.09 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.132 W/kg

**SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.032 mW/g**

Maximum value of SAR (measured) = 0.069 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 1ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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 (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.076 mW/g

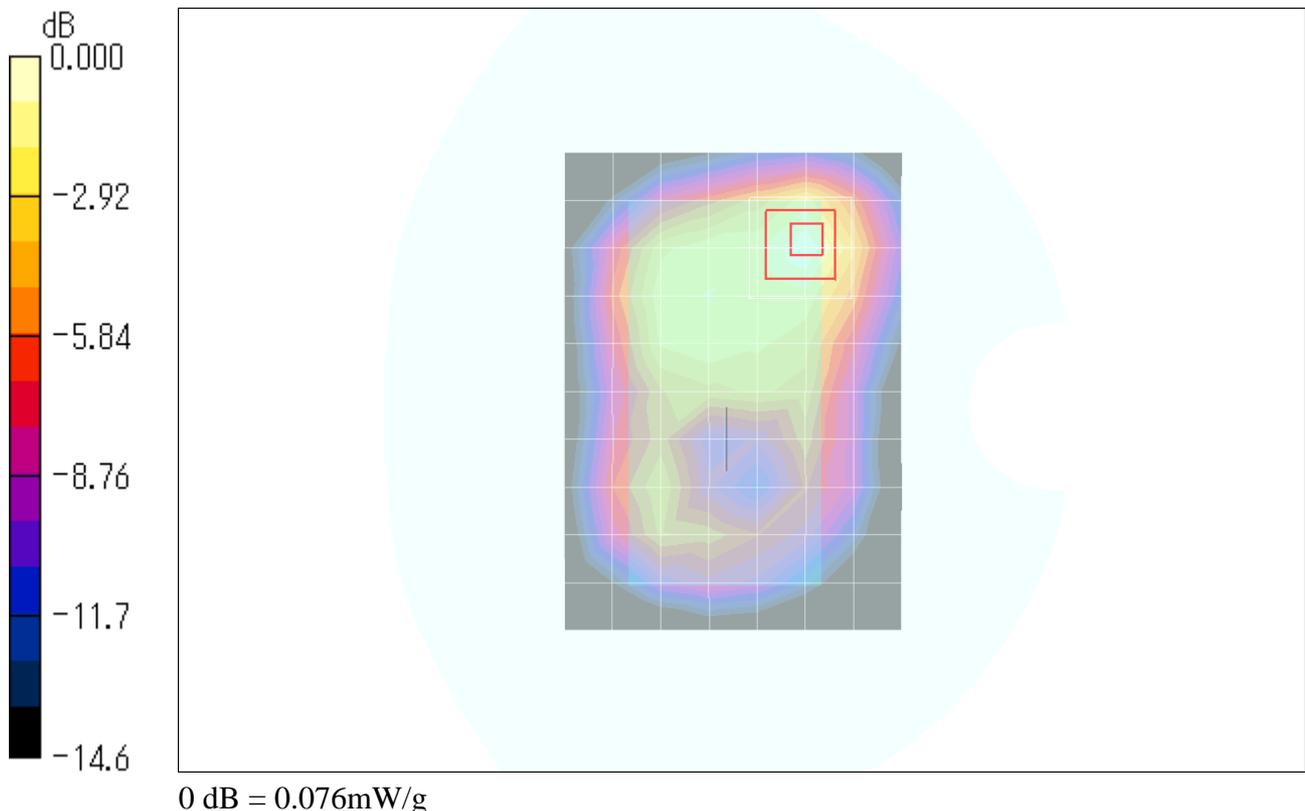
**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.17 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.162 W/kg

**SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.074 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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 (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.075 mW/g

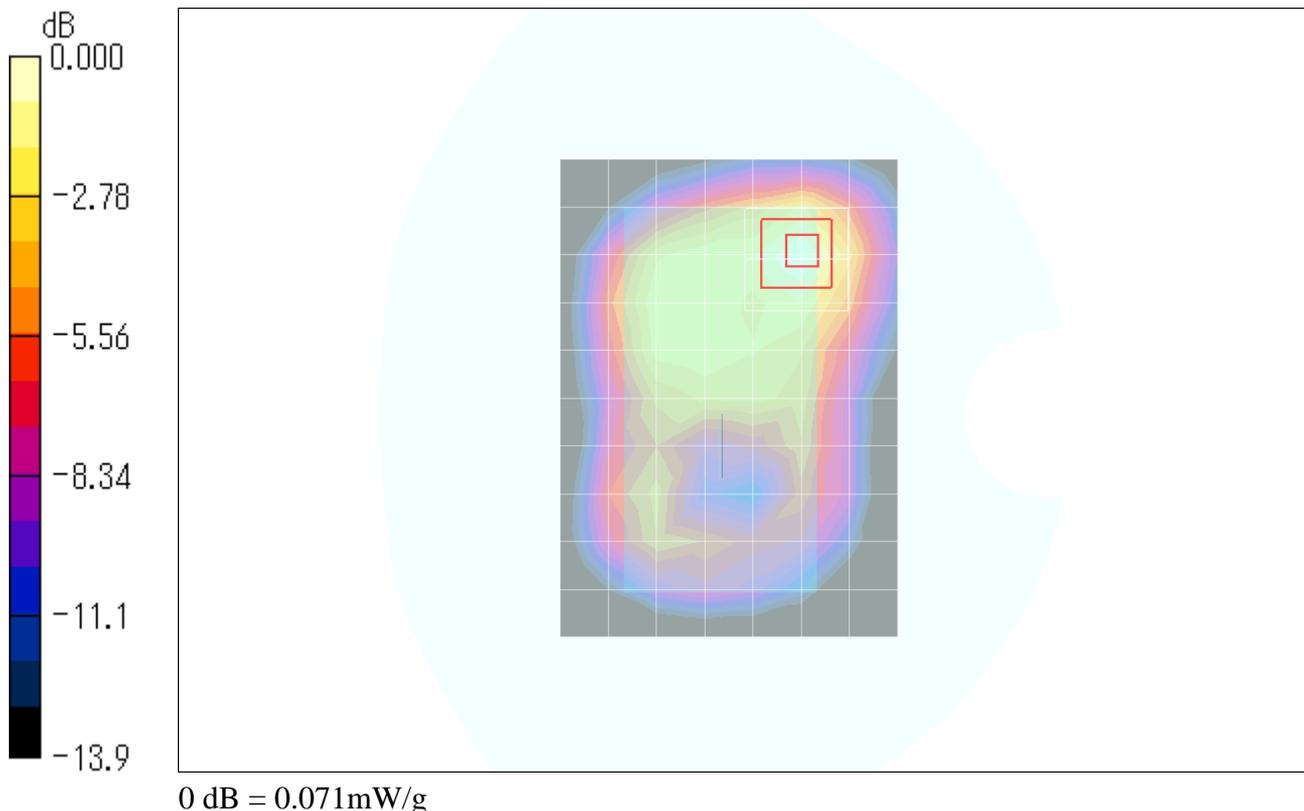
**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.98 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.155 W/kg

**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.034 mW/g**

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 11ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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 (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.068 mW/g

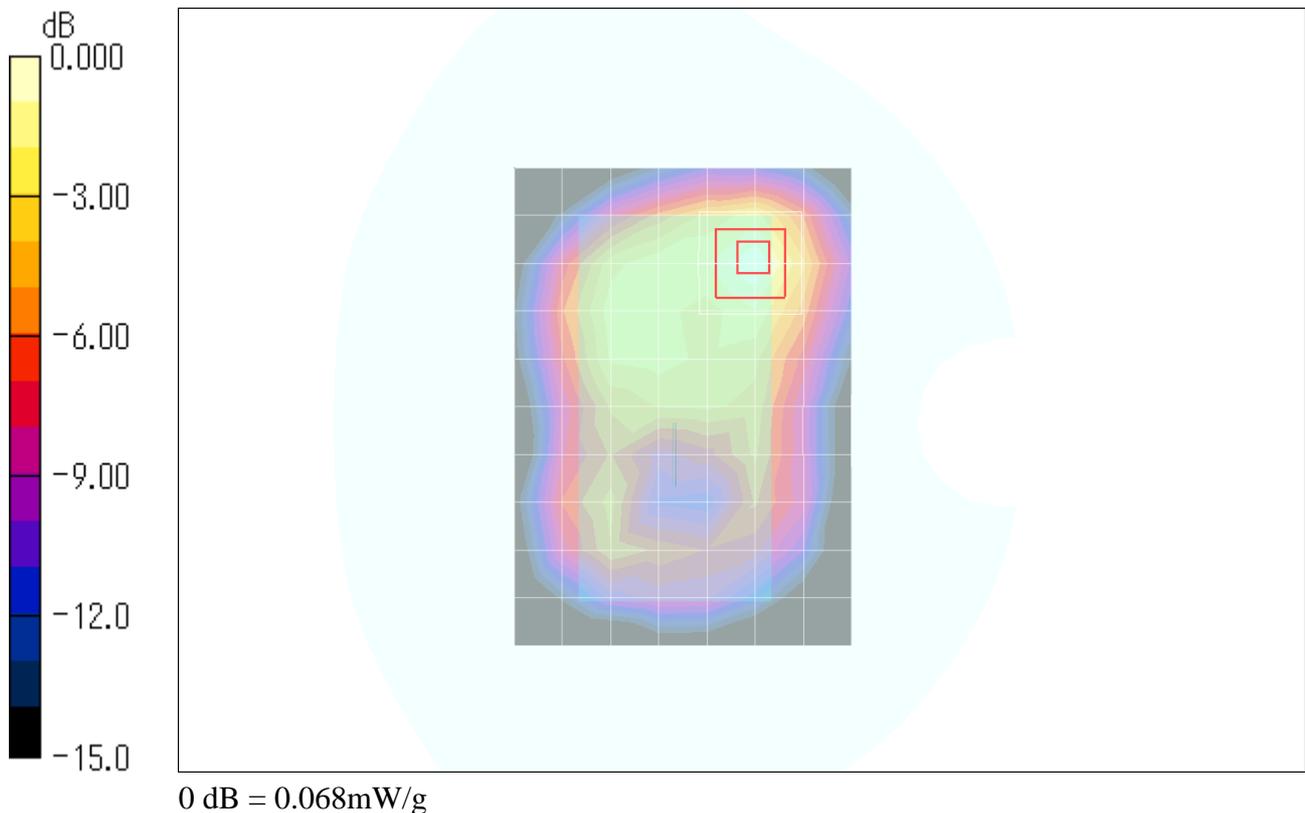
**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.76 V/m; Power Drift = -0.048 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) = 0.069 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 1ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.081 mW/g

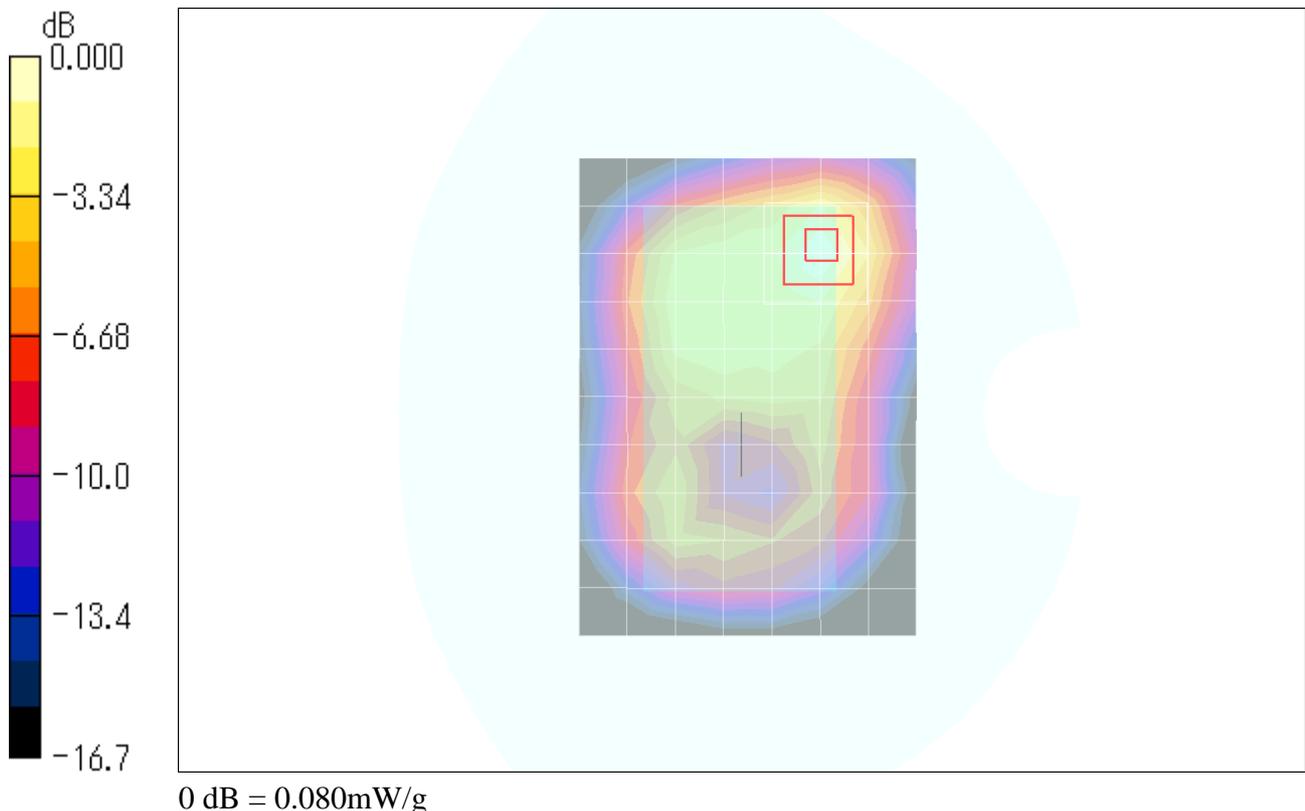
**Front Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.05 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.038 mW/g**

Maximum value of SAR (measured) = 0.080 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 1ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

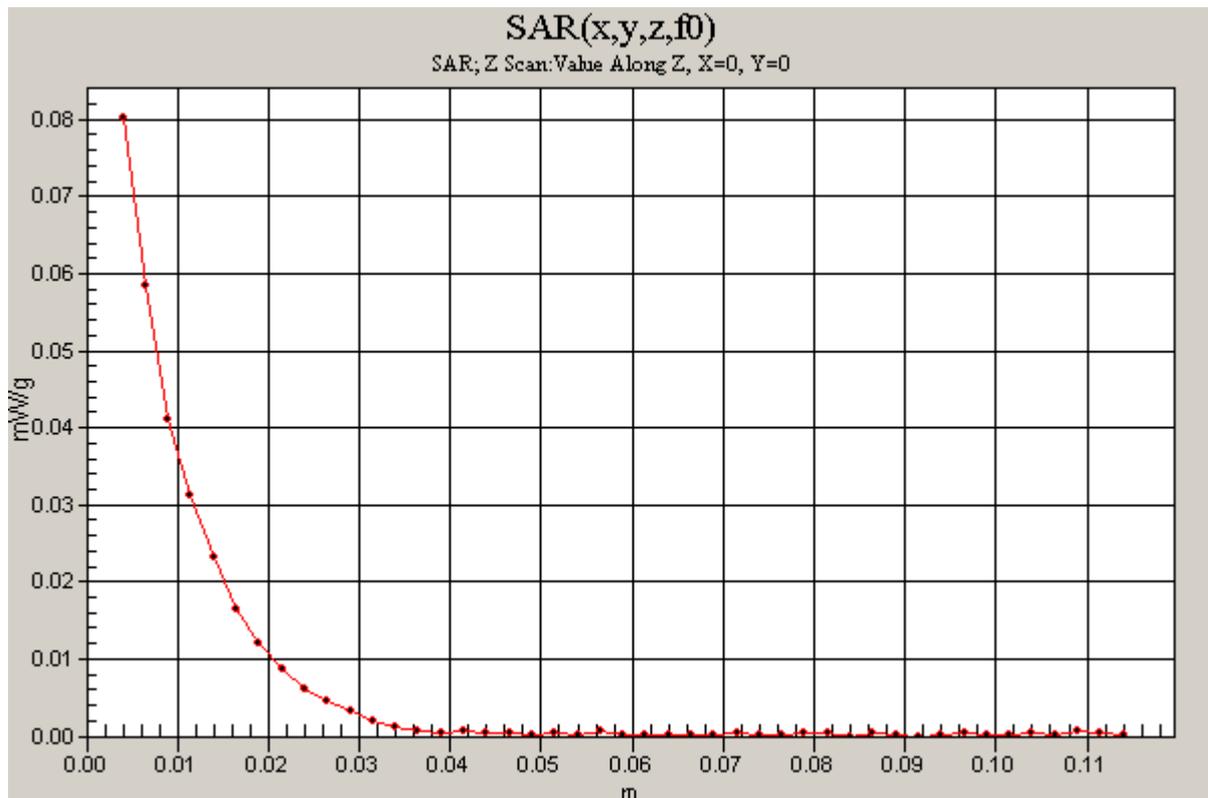
Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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 w/headset/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.080 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.061 mW/g

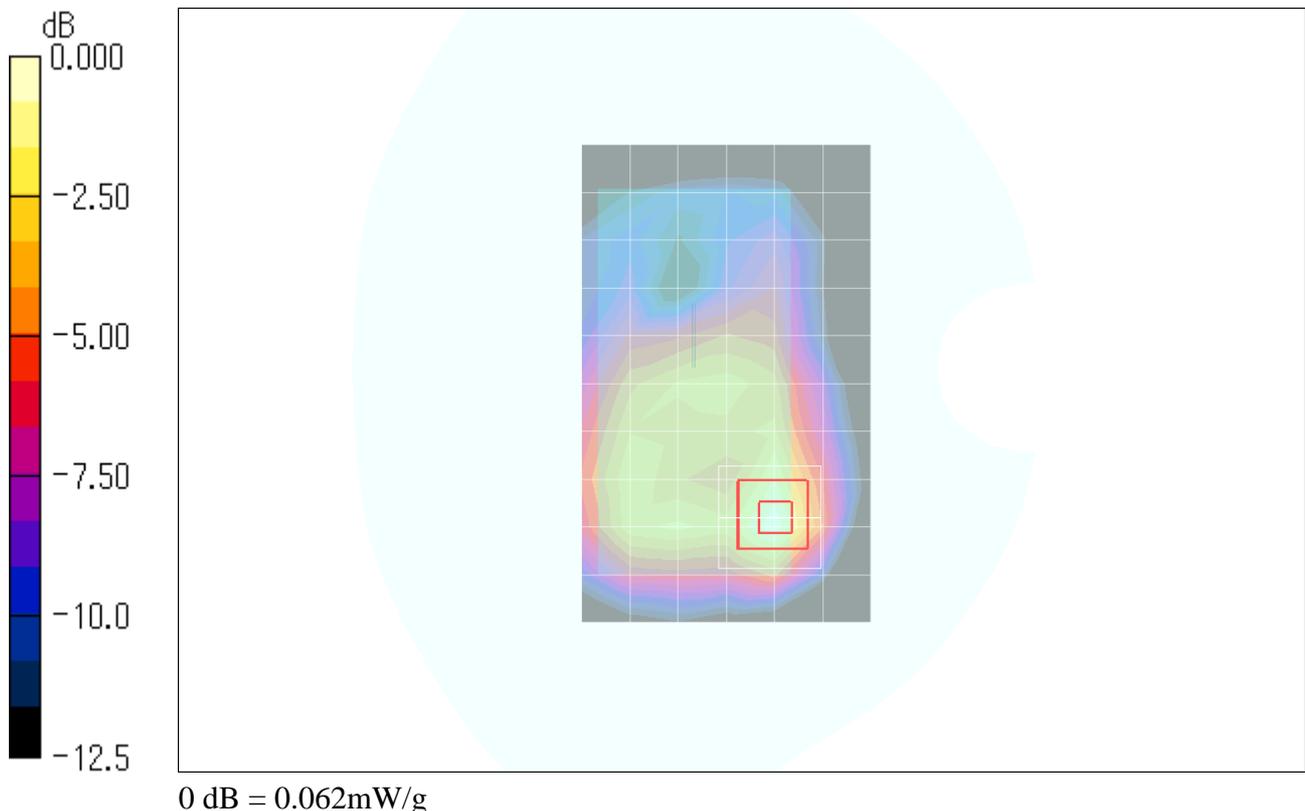
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.50 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.122 W/kg

**SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.027 mW/g**

Maximum value of SAR (measured) = 0.062 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 1ch / 802.11b 2Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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 w/headset/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.077 mW/g

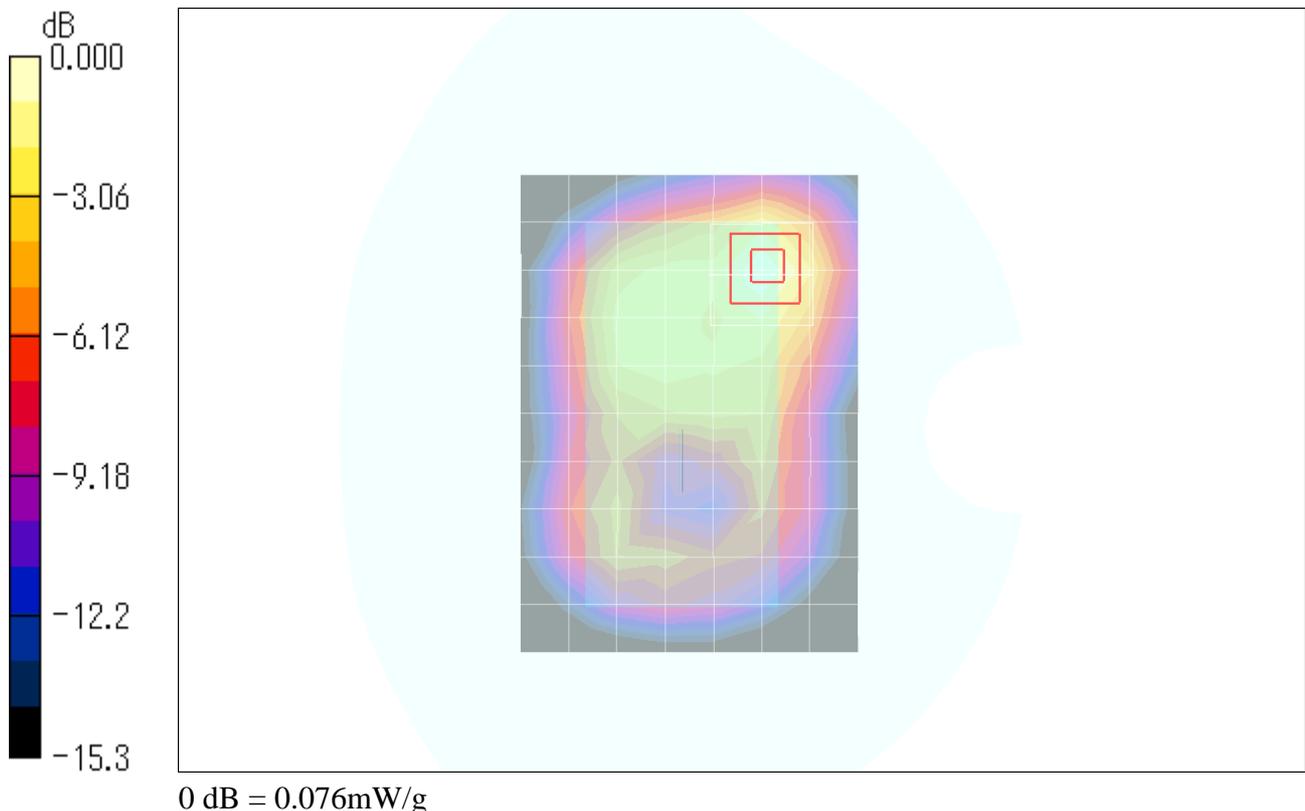
**Front Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.78 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.165 W/kg

**SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.037 mW/g**

Maximum value of SAR (measured) = 0.076 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 1ch / 802.11b 5.5Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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 w/headset/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.069 mW/g

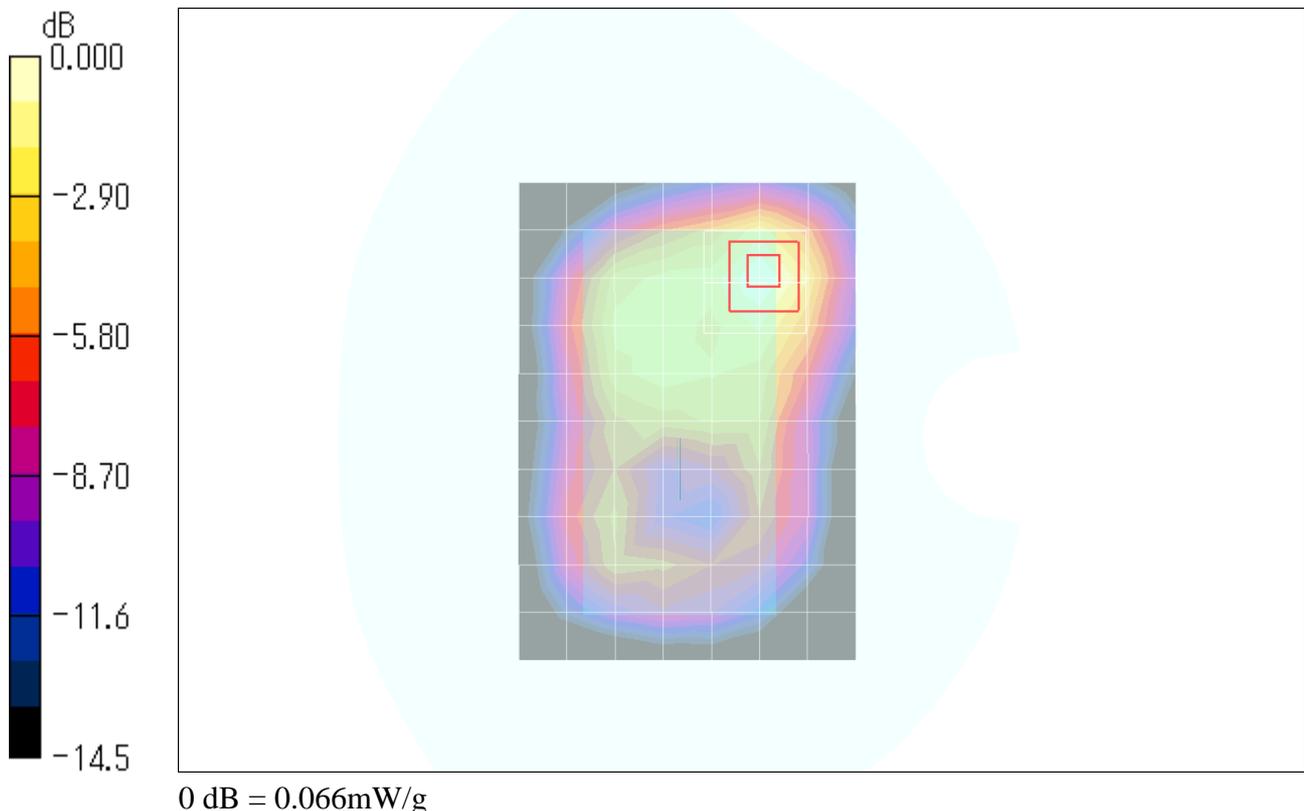
**Front Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.57 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.150 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.033 mW/g**

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 1ch / 802.11b 11Mbps

**DUT: Cellular Phone; Type: 009SH; Serial: 004401/11/343968/7**

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

Medium: M2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.1, 4.1, 4.1); Calibrated: 2010/08/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2010/11/11
- 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 w/headset/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 3.98 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.025 mW/g**

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

