



## Appendix 1 – System Validation Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation (Head)

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d081**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.889$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 2.60 mW/g

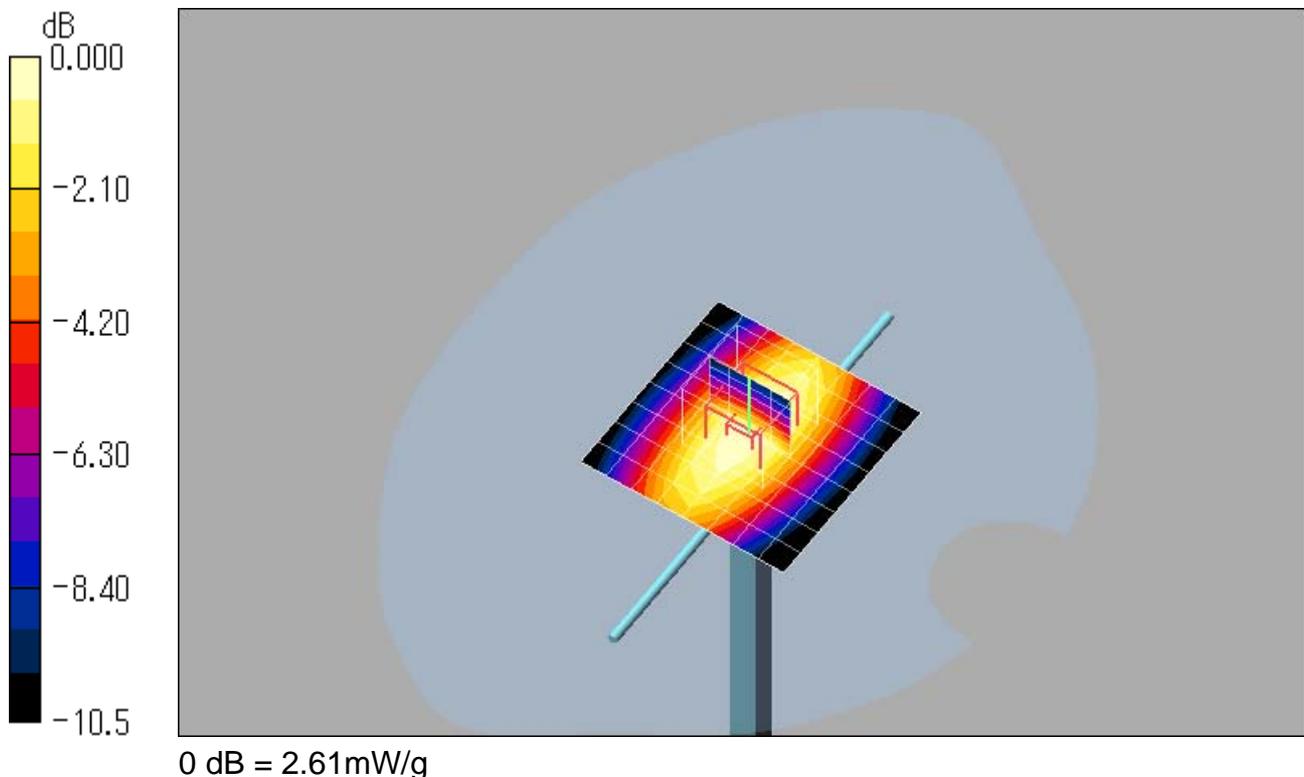
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.7 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 3.44 W/kg

**SAR(1 g) = 2.41 mW/g; SAR(10 g) = 1.59 mW/g**

Maximum value of SAR (measured) = 2.61 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation (Body)

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d081**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

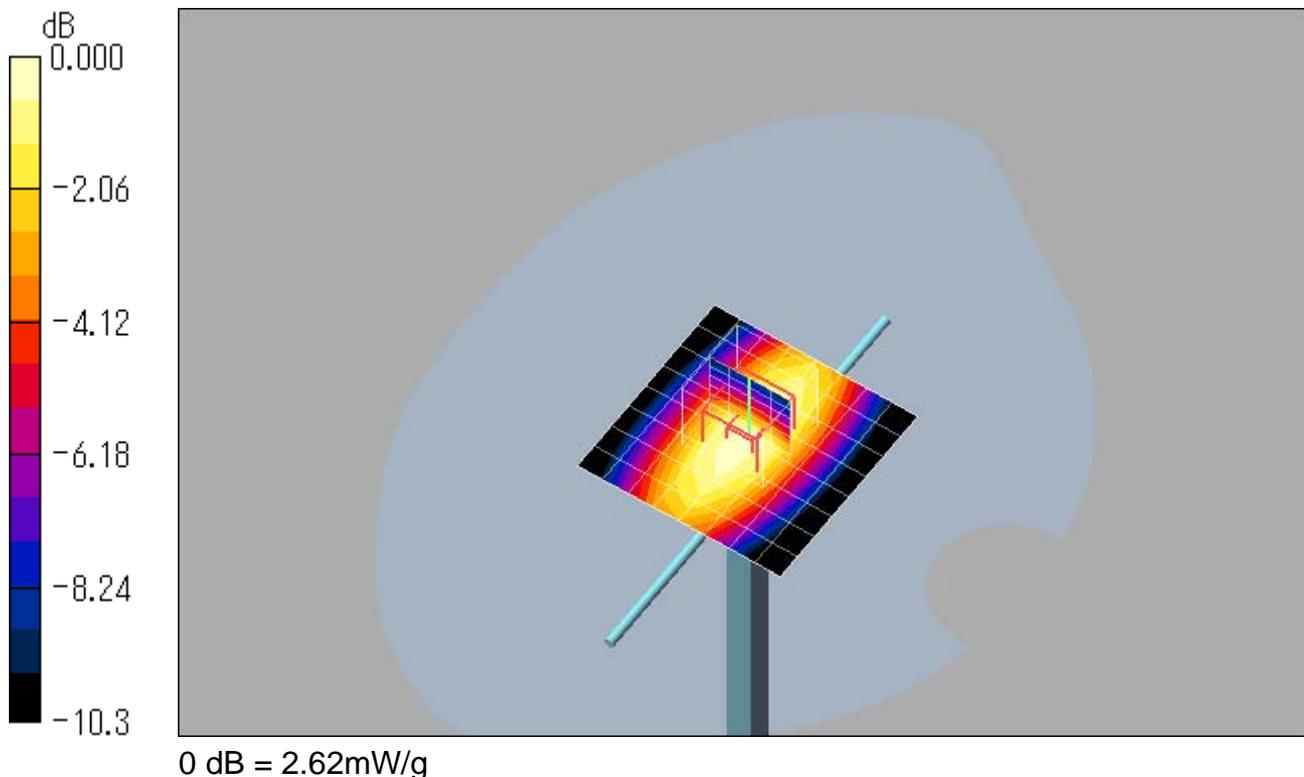
**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 2.62 mW/g**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.2 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 3.47 W/kg

**SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.59 mW/g**

Maximum value of SAR (measured) = 2.62 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation (Head)

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

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 11.1 mW/g

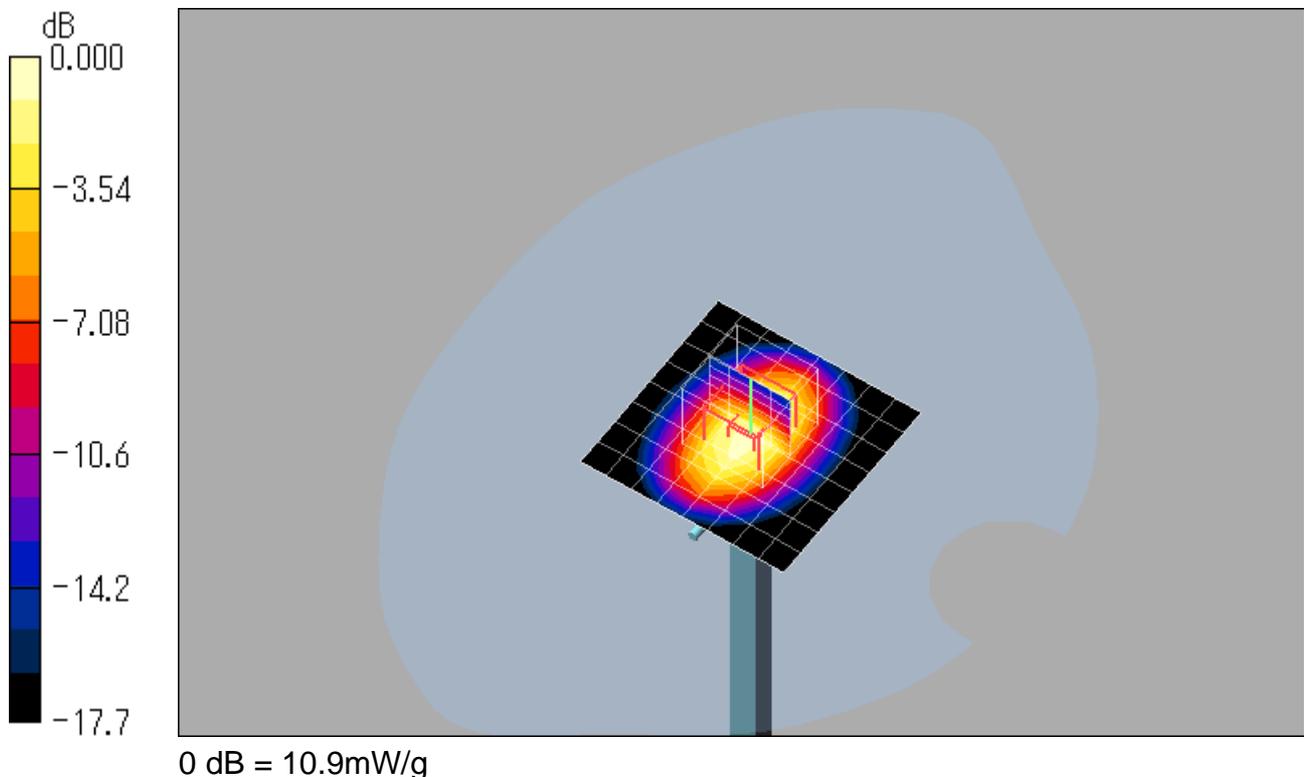
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.4 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 16.4 W/kg

**SAR(1 g) = 9.63 mW/g; SAR(10 g) = 5.1 mW/g**

Maximum value of SAR (measured) = 10.9 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation (Body)

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

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 11.4 mW/g

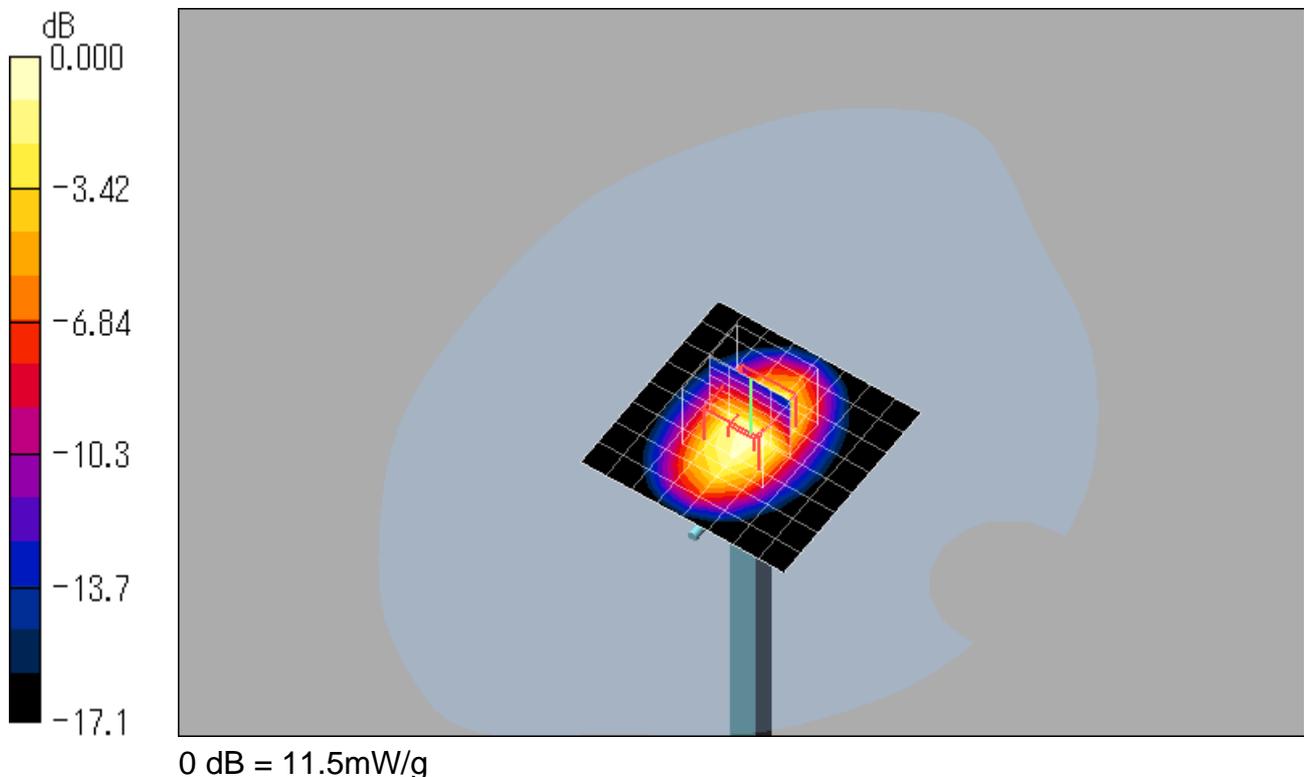
**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.6 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 16.4 W/kg

**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.41 mW/g**

Maximum value of SAR (measured) = 11.5 mW/g



**Appendix 2 – SAR Test Plots (WCDMA Band V)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

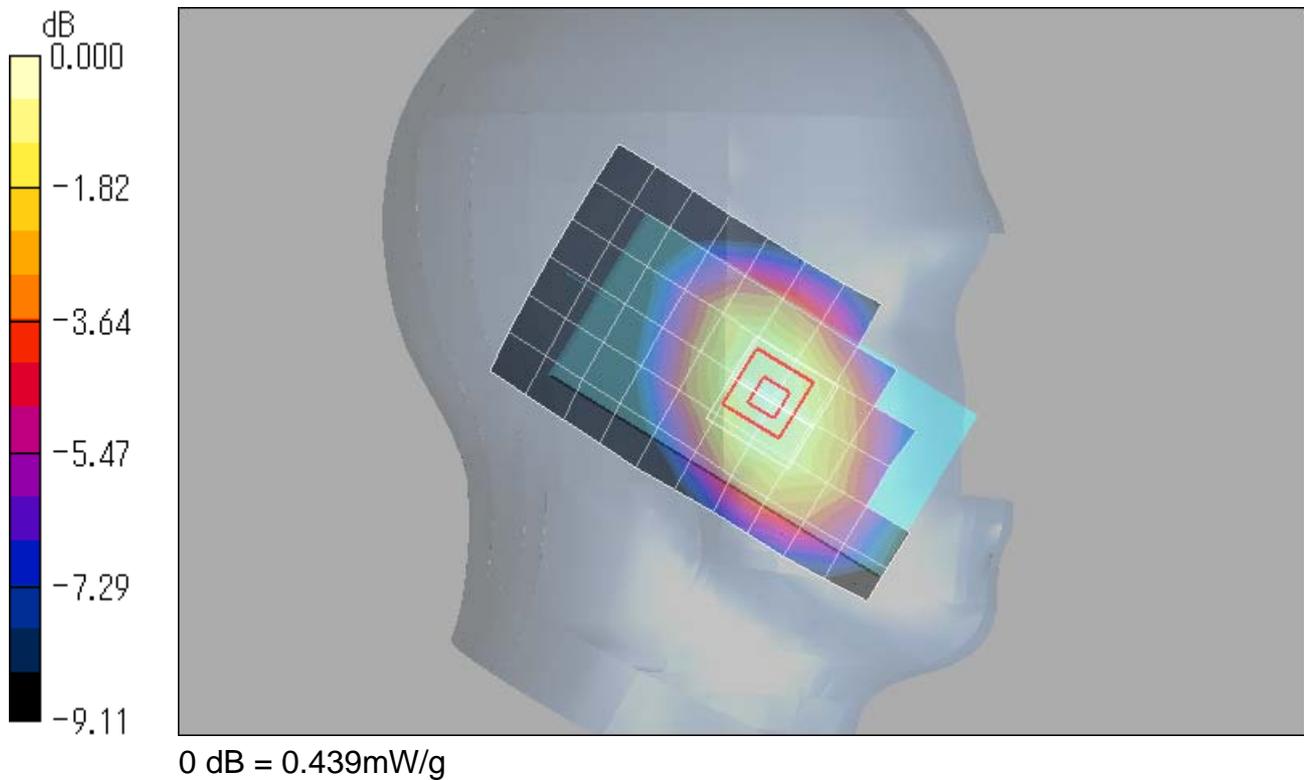
Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.435 mW/g

**Left Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 23.2 V/m; Power Drift = -0.034 dB  
 Peak SAR (extrapolated) = 0.509 W/kg  
**SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.310 mW/g**  
 Maximum value of SAR (measured) = 0.439 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

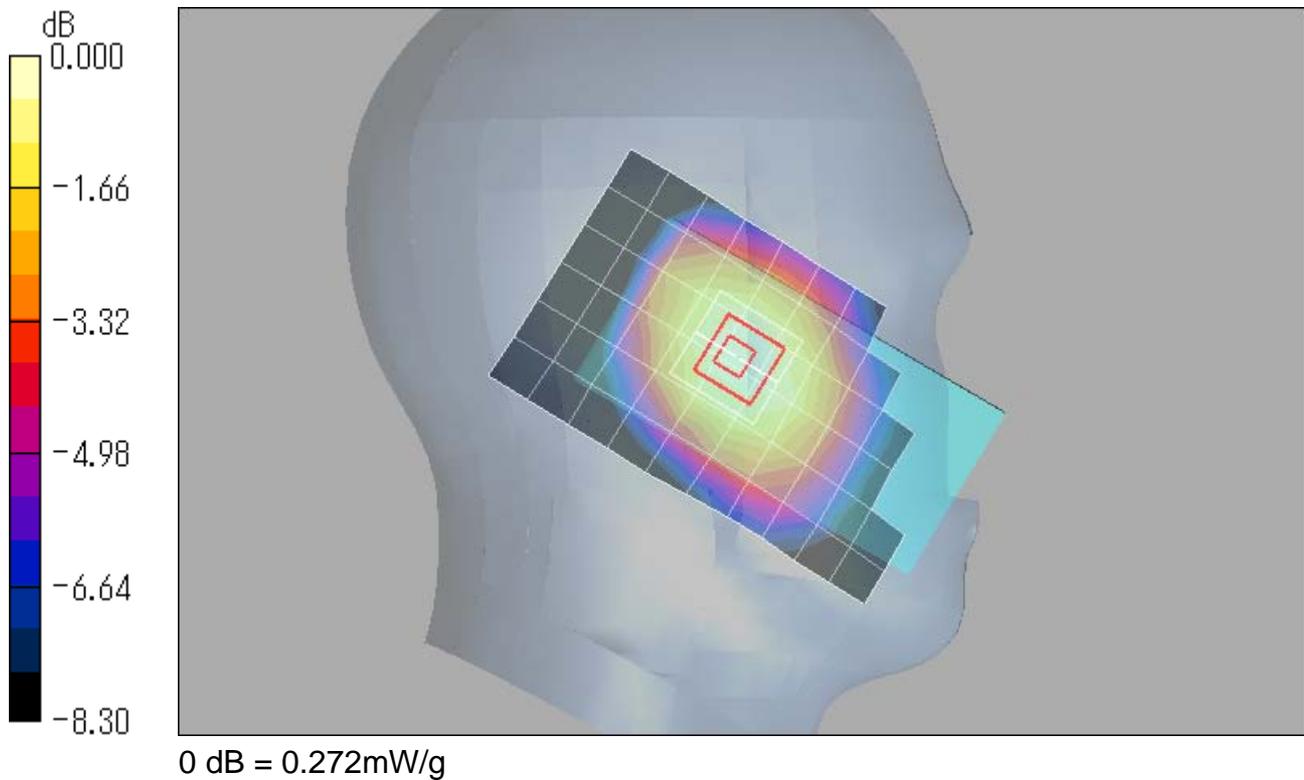
Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Tilted/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.266 mW/g

**Left Tilted/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 17.0 V/m; Power Drift = 0.014 dB  
Peak SAR (extrapolated) = 0.308 W/kg  
**SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.201 mW/g**  
Maximum value of SAR (measured) = 0.272 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 4132ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

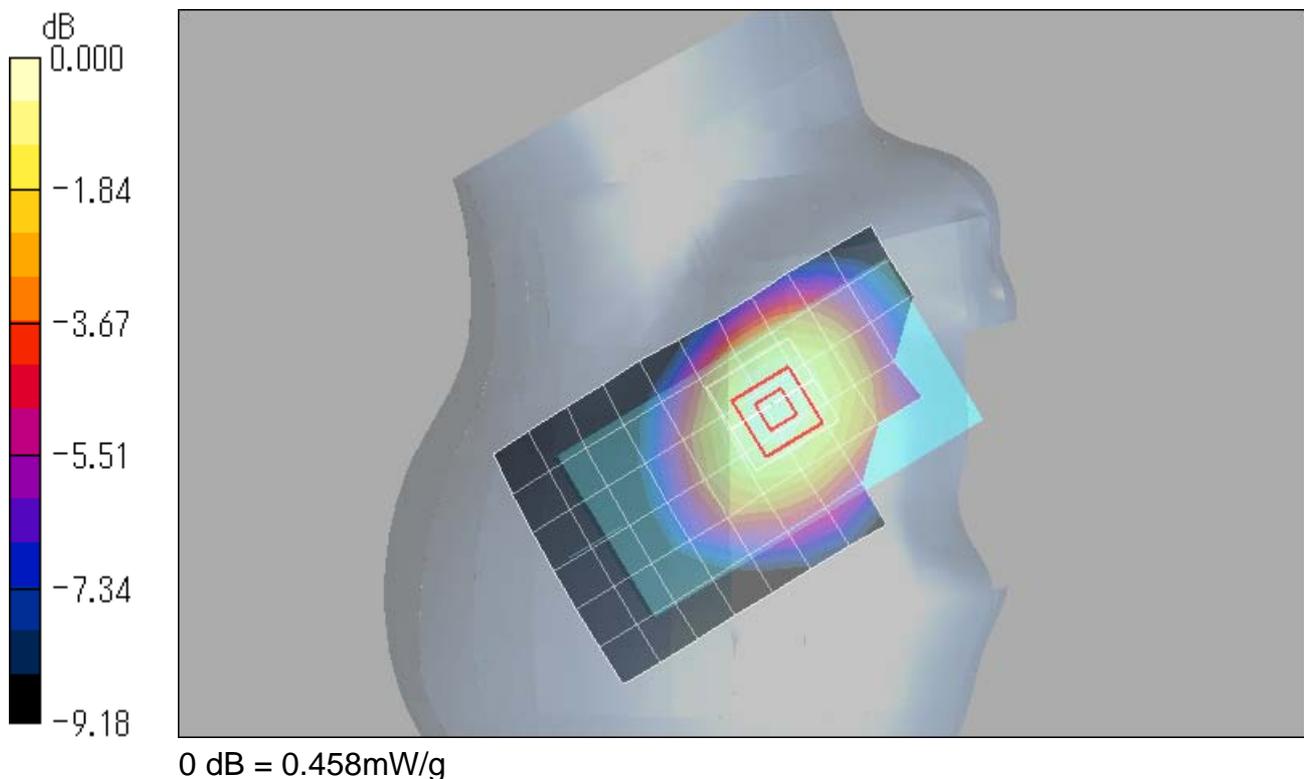
Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.437 mW/g

**Right Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.8 V/m; Power Drift = -0.025 dB  
Peak SAR (extrapolated) = 0.519 W/kg  
**SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.331 mW/g**  
Maximum value of SAR (measured) = 0.458 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

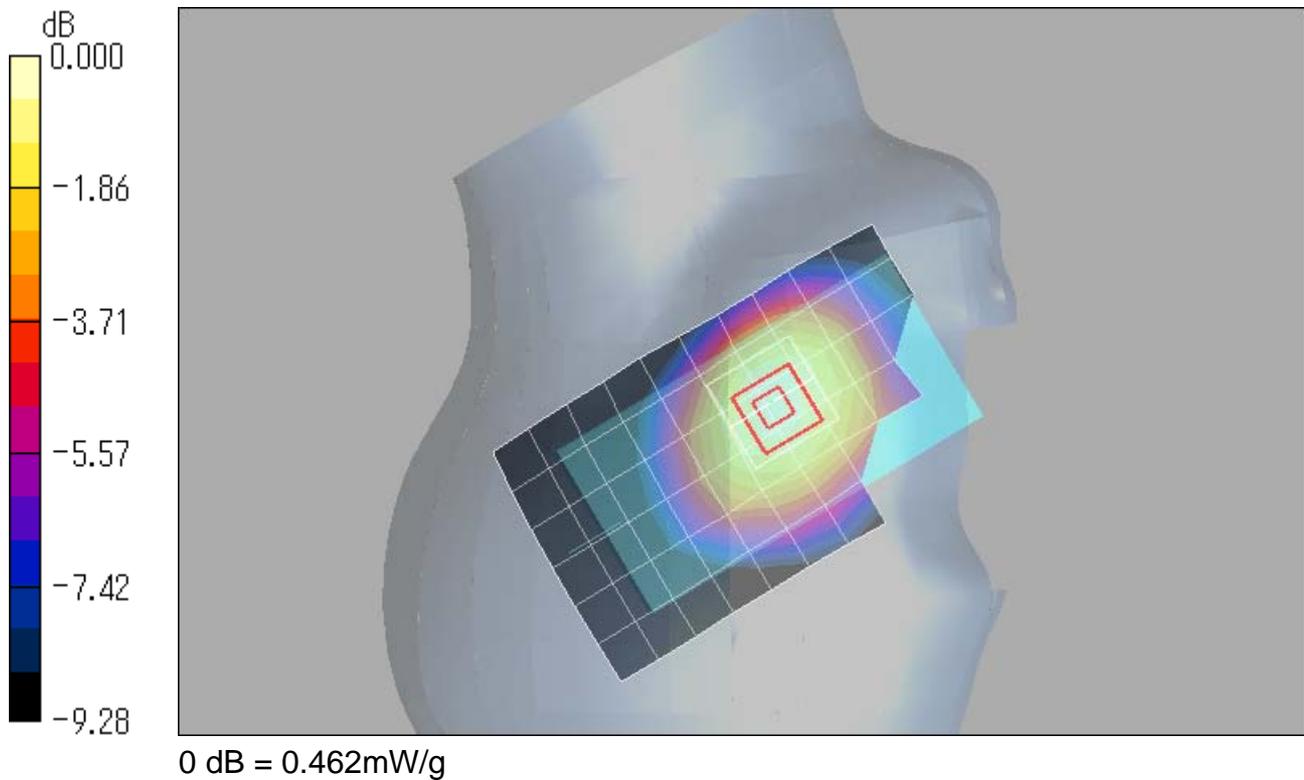
Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.435 mW/g

**Right Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.8 V/m; Power Drift = -0.034 dB  
Peak SAR (extrapolated) = 0.523 W/kg  
**SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.332 mW/g**  
Maximum value of SAR (measured) = 0.462 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

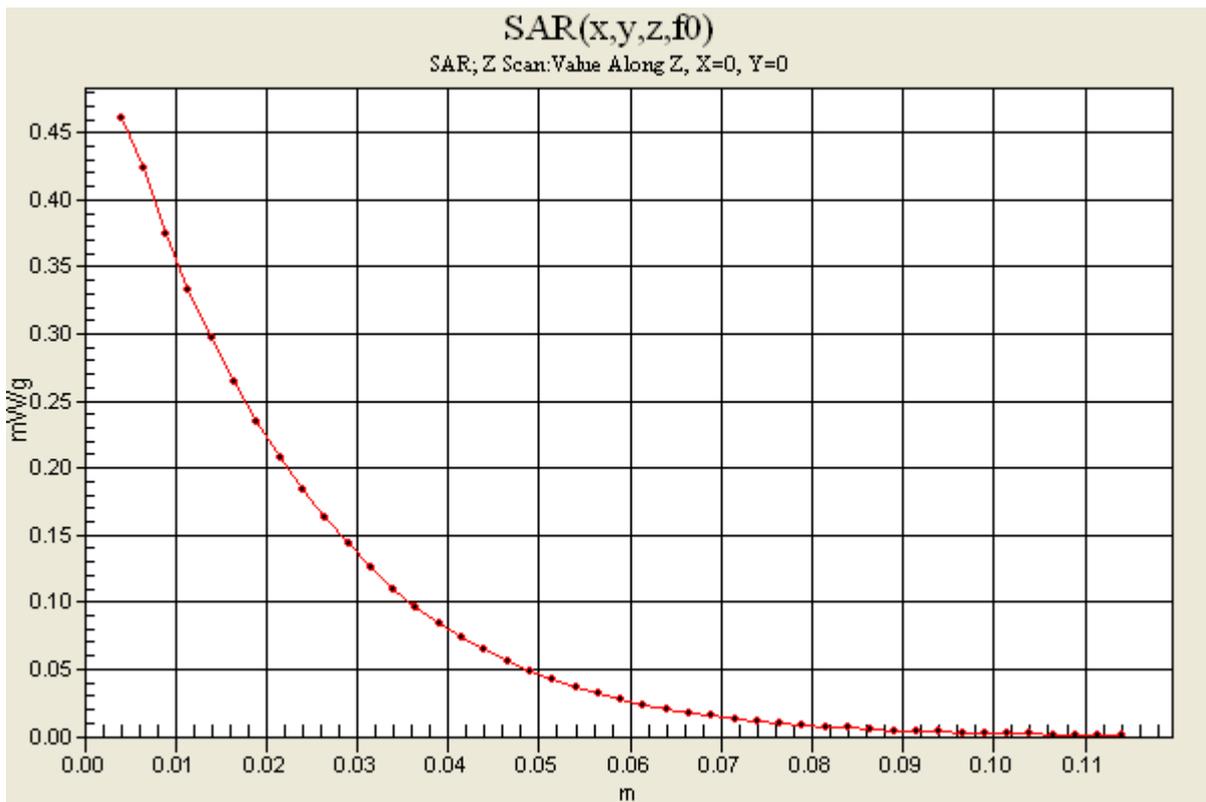
Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.461 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 4233ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

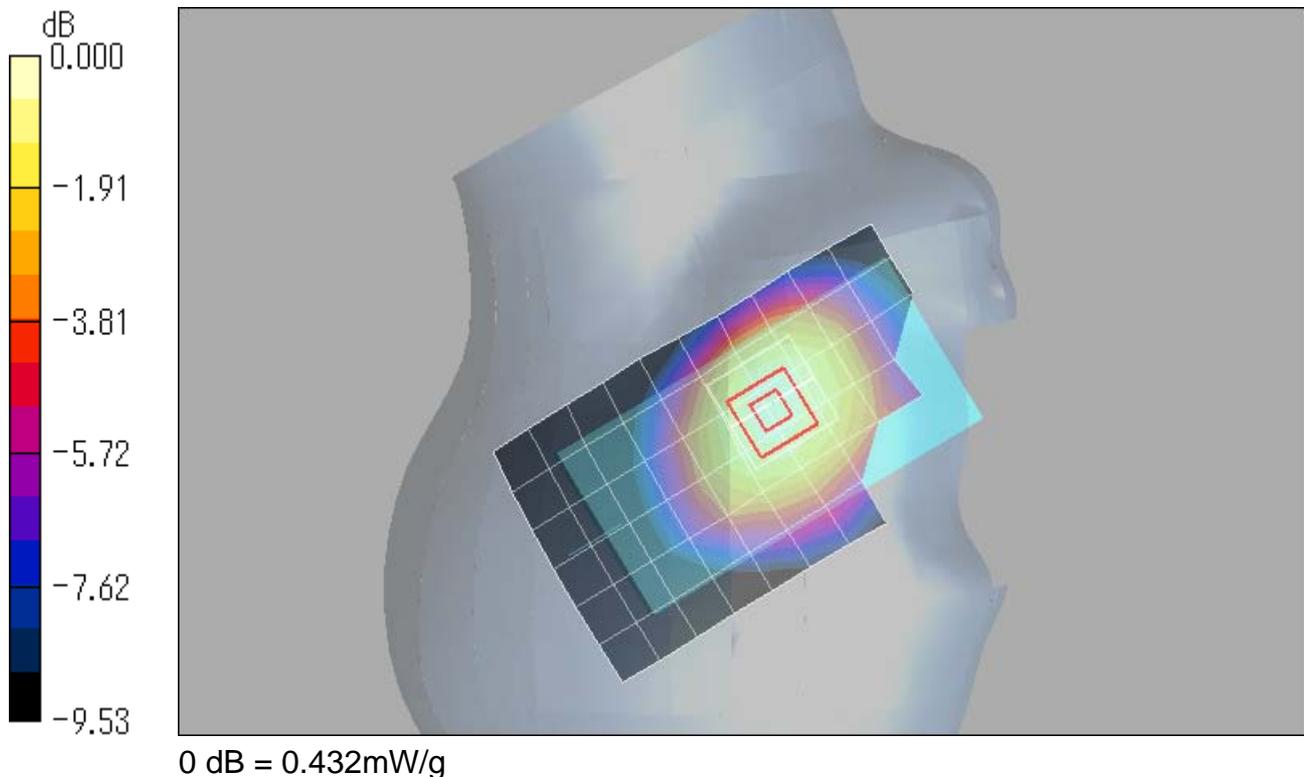
Communication System: WCDMA Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 846.6$  MHz;  $\sigma = 0.899$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.410 mW/g

**Right Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 21.7 V/m; Power Drift = 0.018 dB  
Peak SAR (extrapolated) = 0.491 W/kg  
**SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.307 mW/g**  
Maximum value of SAR (measured) = 0.432 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Tilted/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.240 mW/g

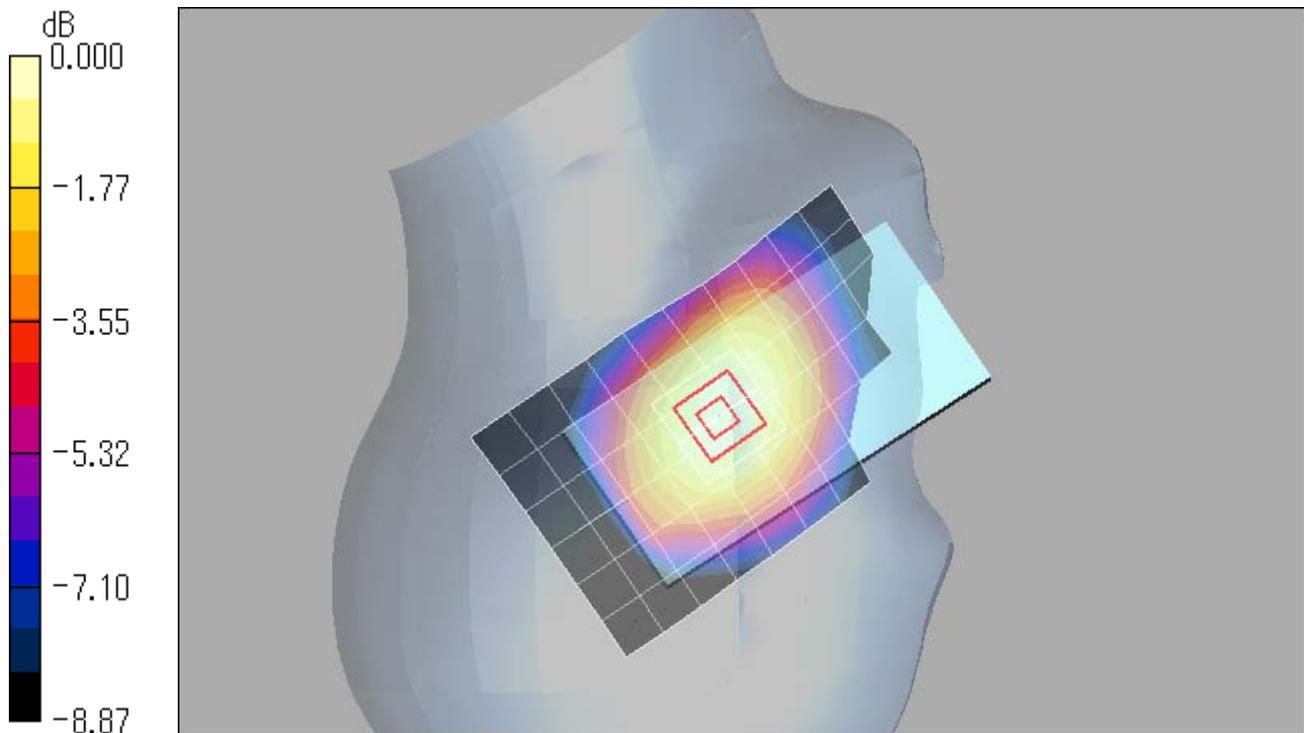
**Right Tilted/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.179 mW/g**

Maximum value of SAR (measured) = 0.246 mW/g



0 dB = 0.246mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Bottom Edge/Area Scan (7x8x1):** Measurement grid: dx=15mm, dy=15mm

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

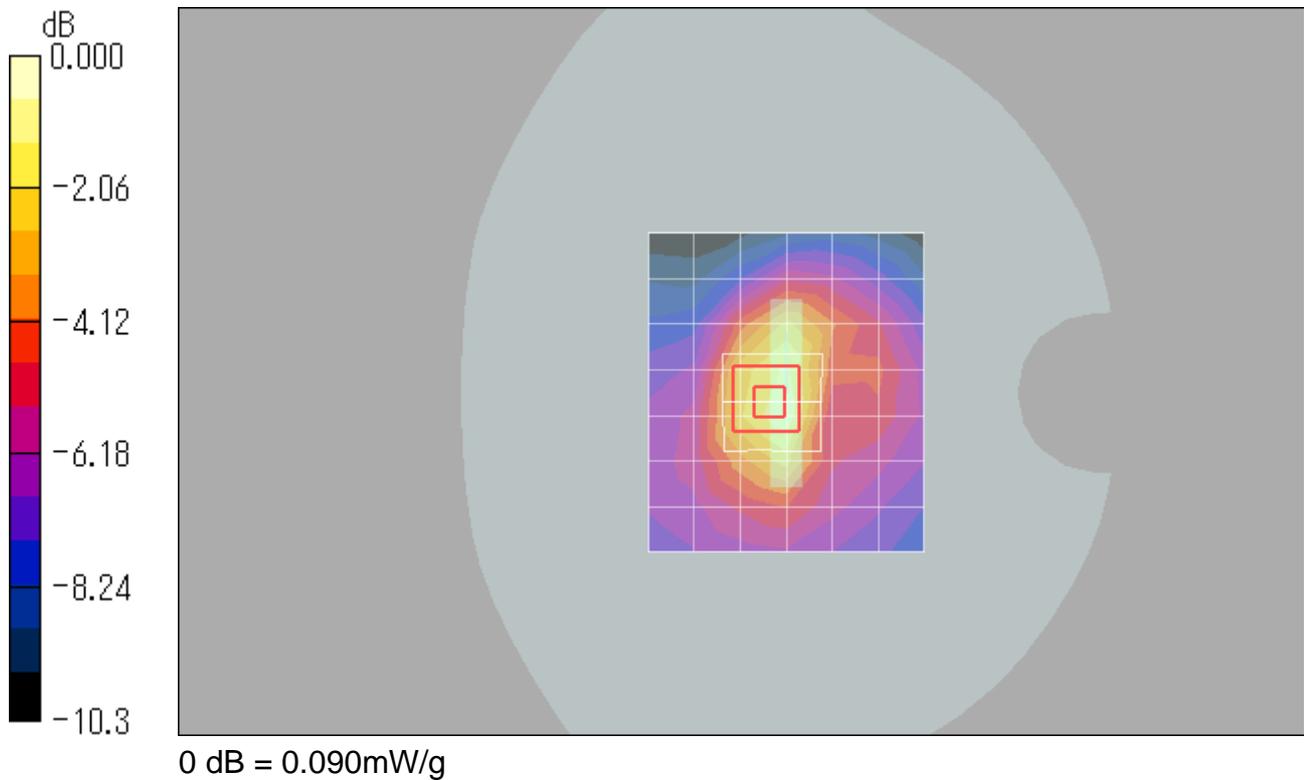
**Bottom Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.30 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.158 W/kg

**SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.045 mW/g**

Maximum value of SAR (measured) = 0.090 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

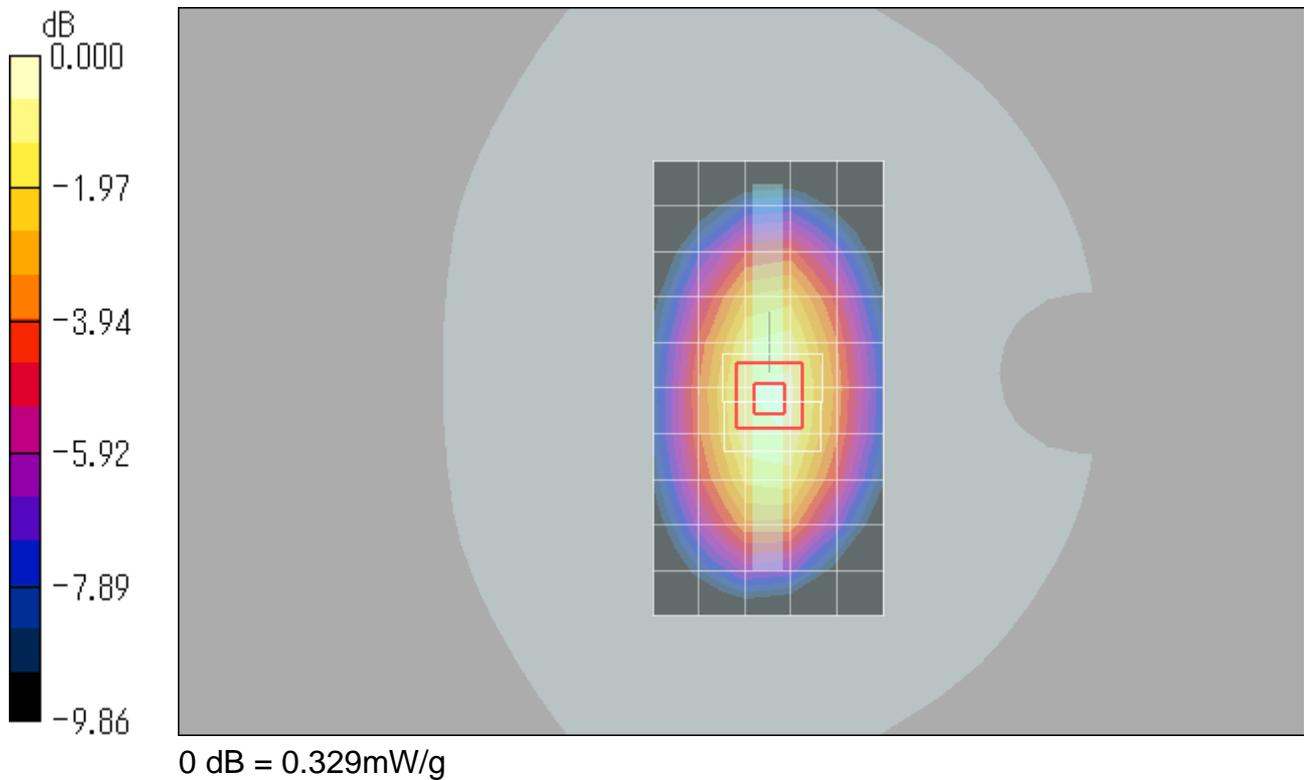
Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Edge/Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.297 mW/g

**Left Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 18.8 V/m; Power Drift = -0.014 dB  
Peak SAR (extrapolated) = 0.433 W/kg  
**SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.210 mW/g**  
Maximum value of SAR (measured) = 0.329 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

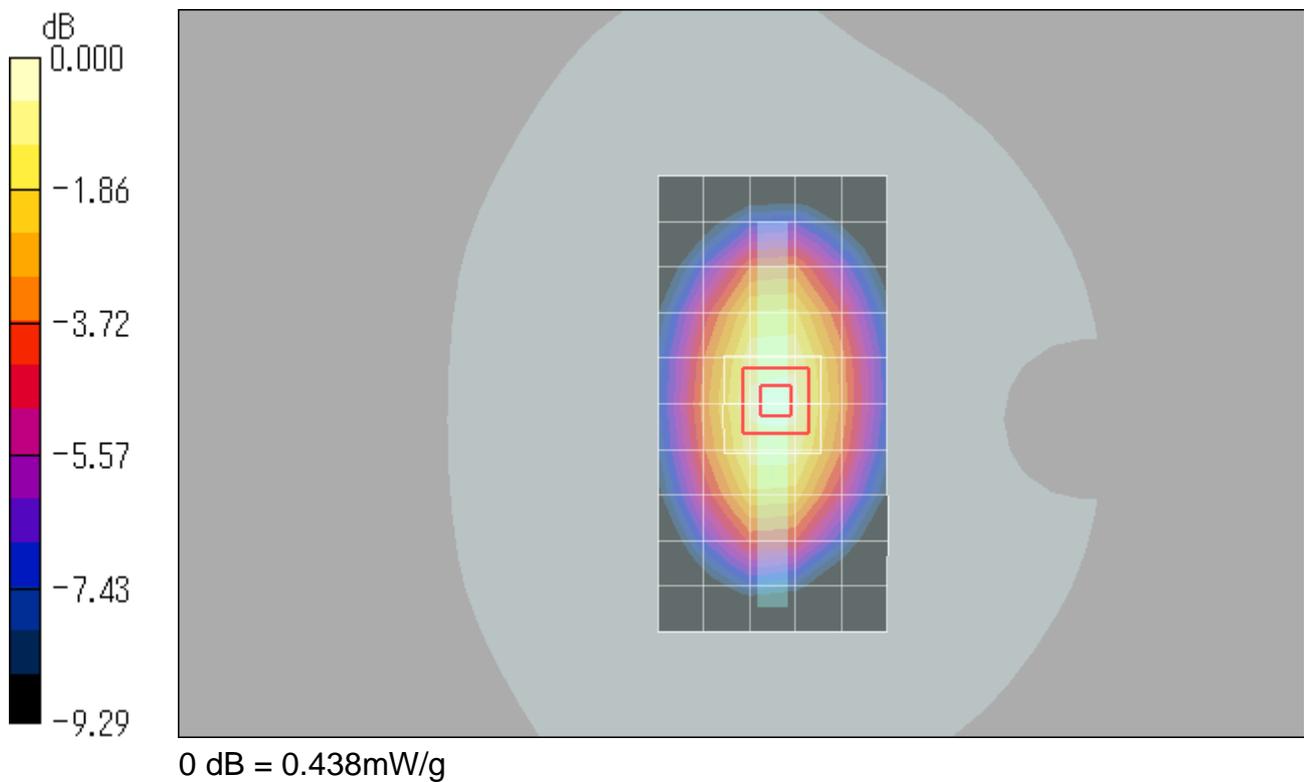
Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Edge/Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.398 mW/g

**Right Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 21.9 V/m; Power Drift = 0.000 dB  
Peak SAR (extrapolated) = 0.557 W/kg  
**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.281 mW/g**  
Maximum value of SAR (measured) = 0.438 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.508 mW/g

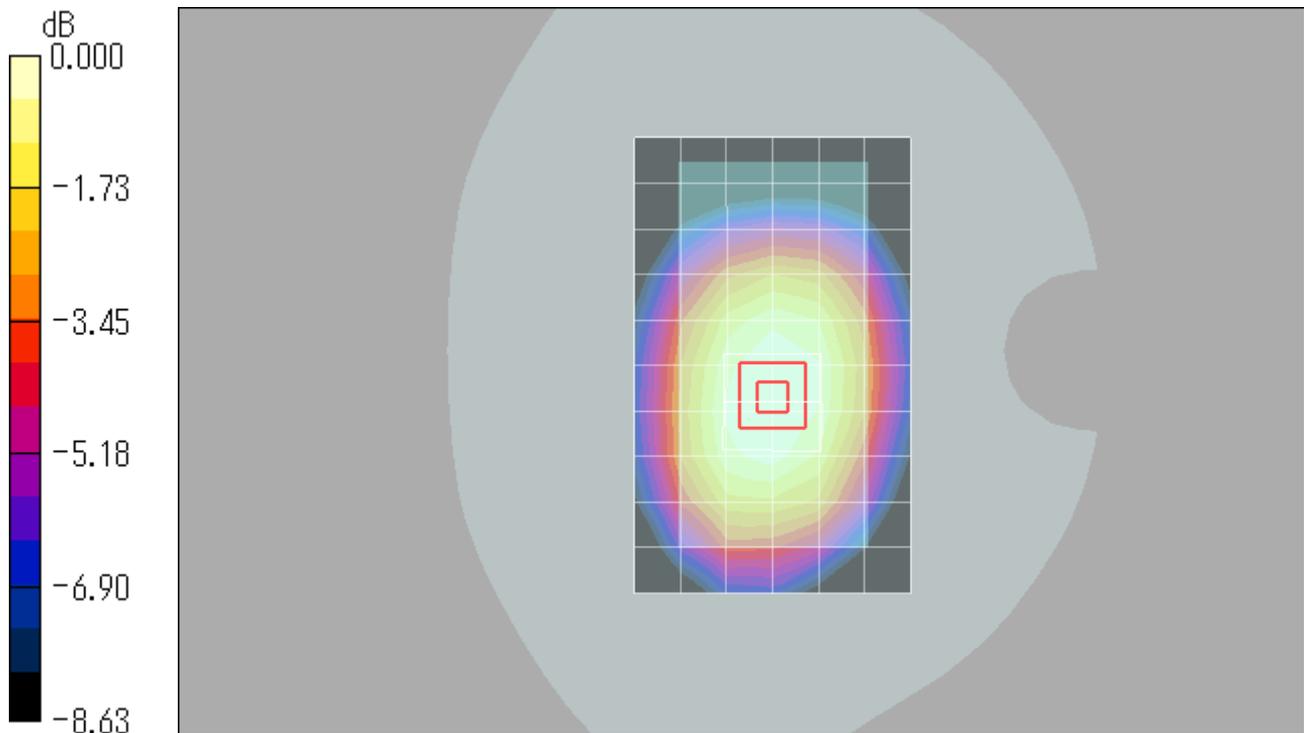
**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.8 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.569 W/kg

**SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.368 mW/g**

Maximum value of SAR (measured) = 0.498 mW/g



0 dB = 0.498mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4132ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.508 mW/g

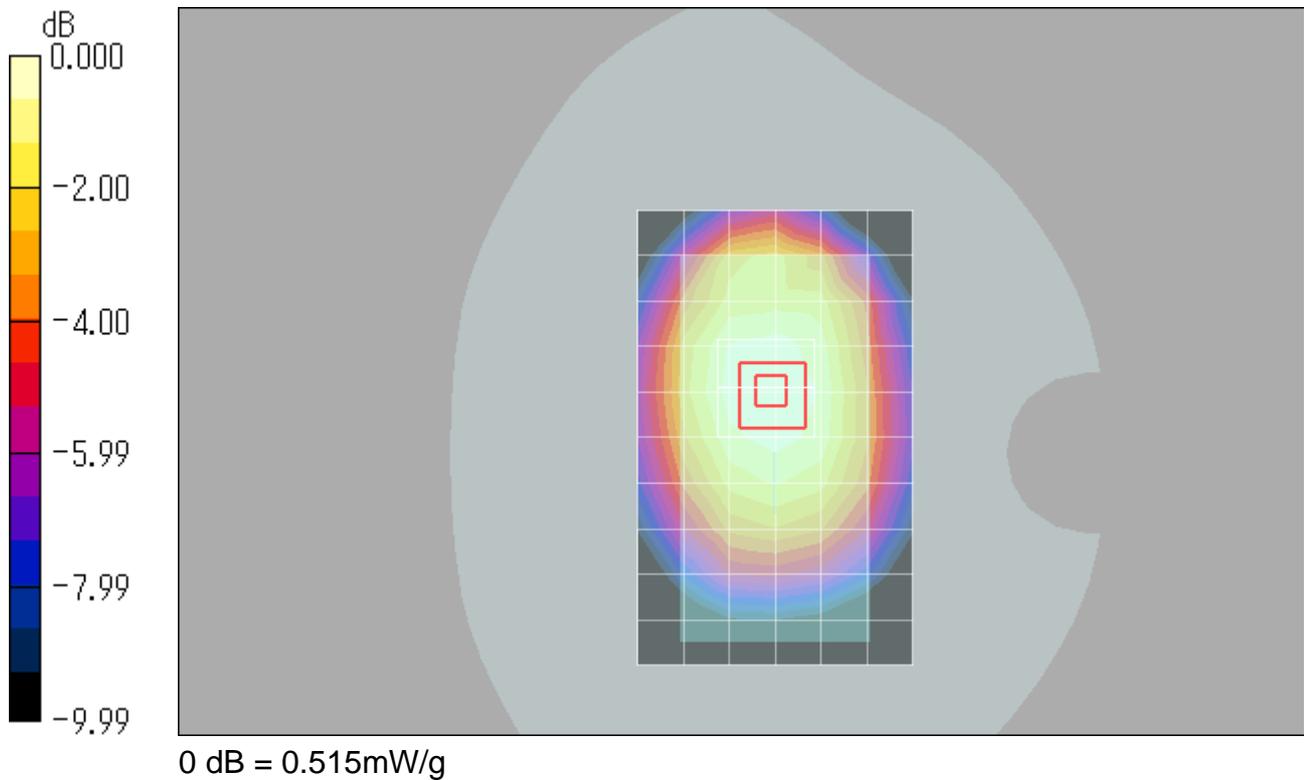
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.7 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.617 W/kg

**SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.372 mW/g**

Maximum value of SAR (measured) = 0.515 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4132ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1

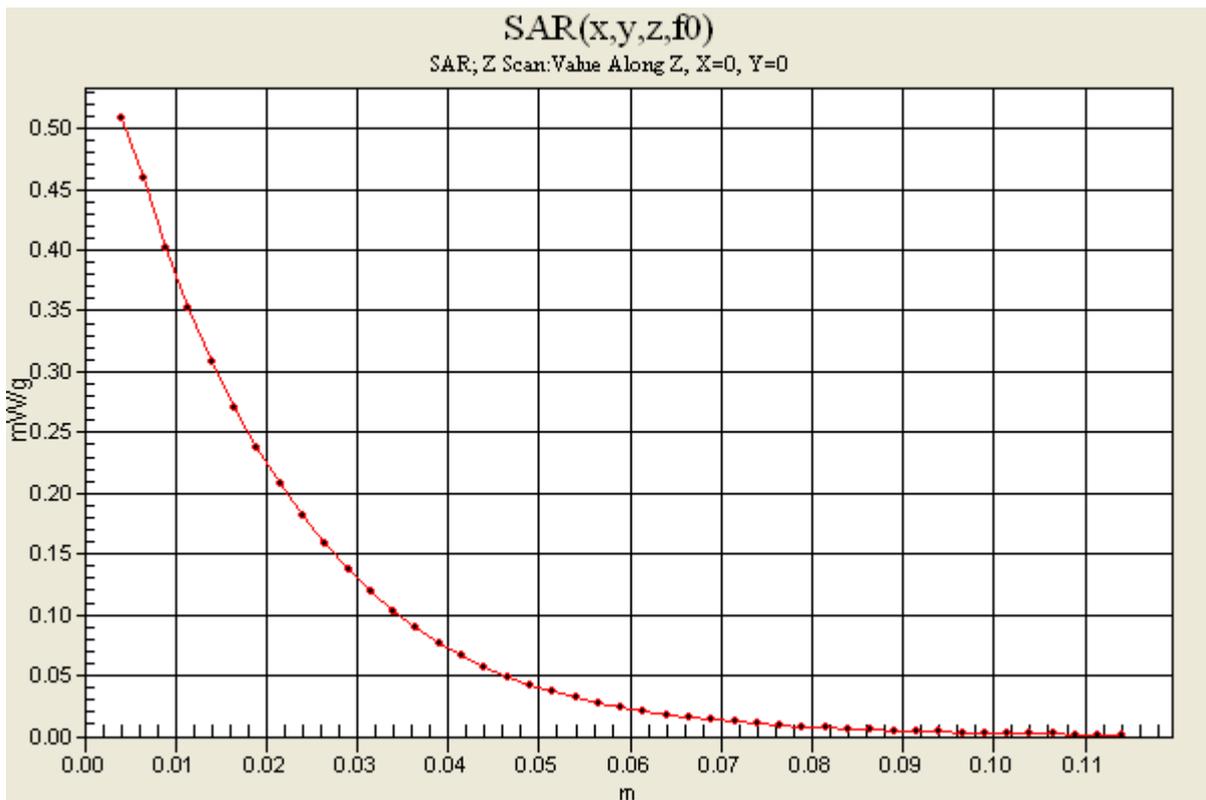
Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.509 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4132ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: WCDMA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.409 mW/g

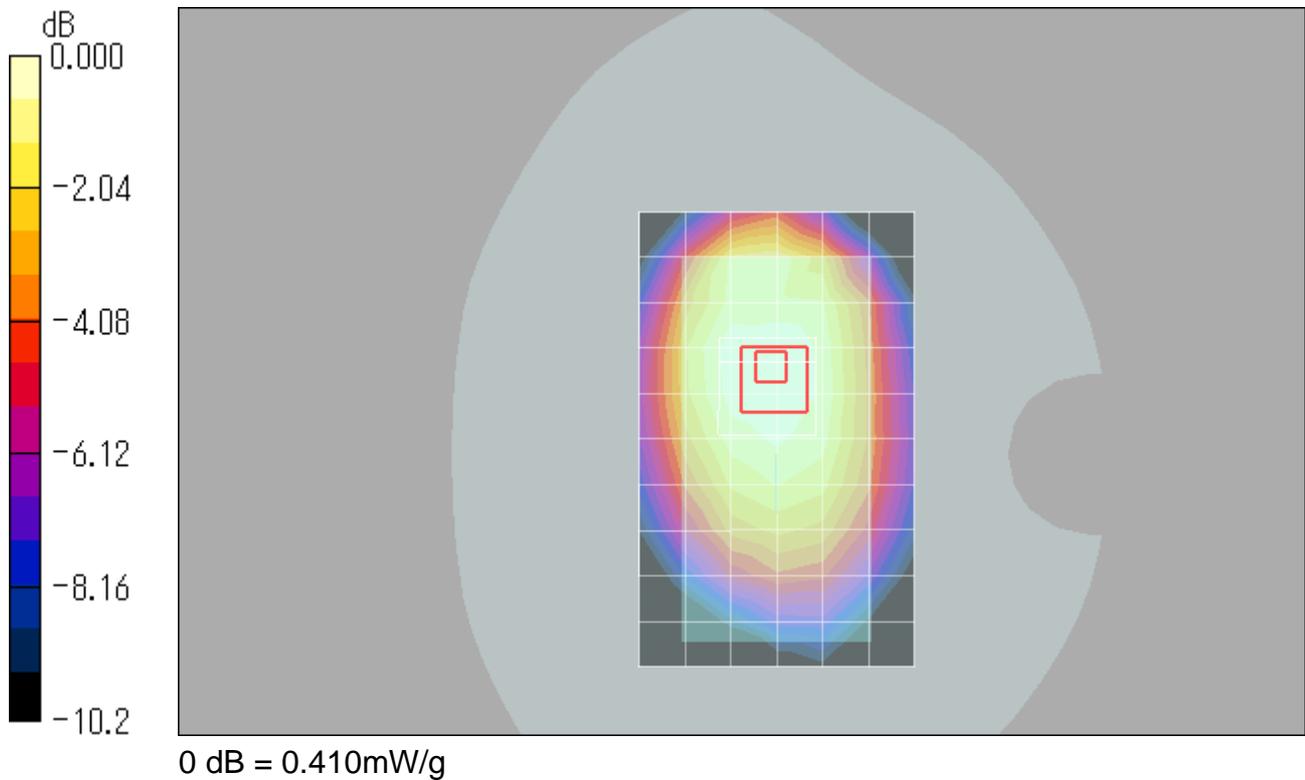
**Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.516 W/kg

**SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.291 mW/g**

Maximum value of SAR (measured) = 0.410 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.507 mW/g

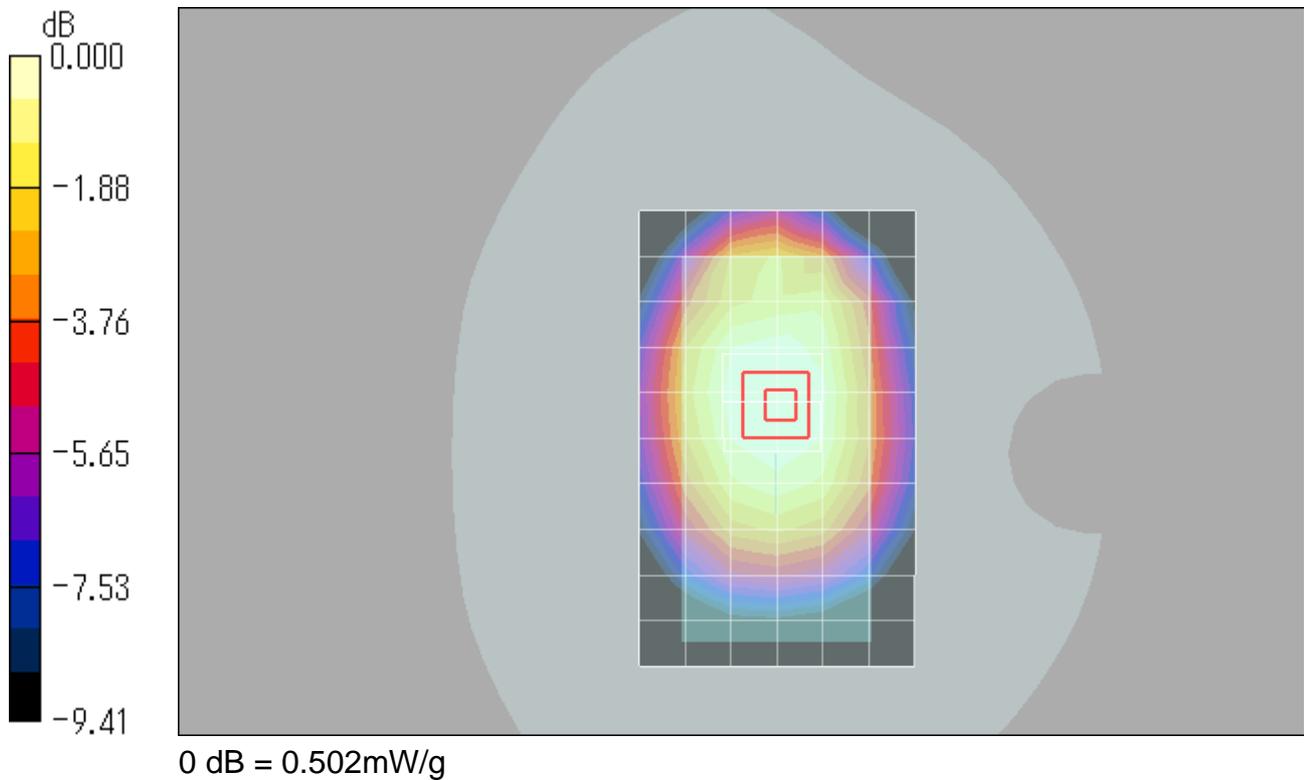
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.9 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.596 W/kg

**SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.365 mW/g**

Maximum value of SAR (measured) = 0.502 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4233ch / WCDMA Band V

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

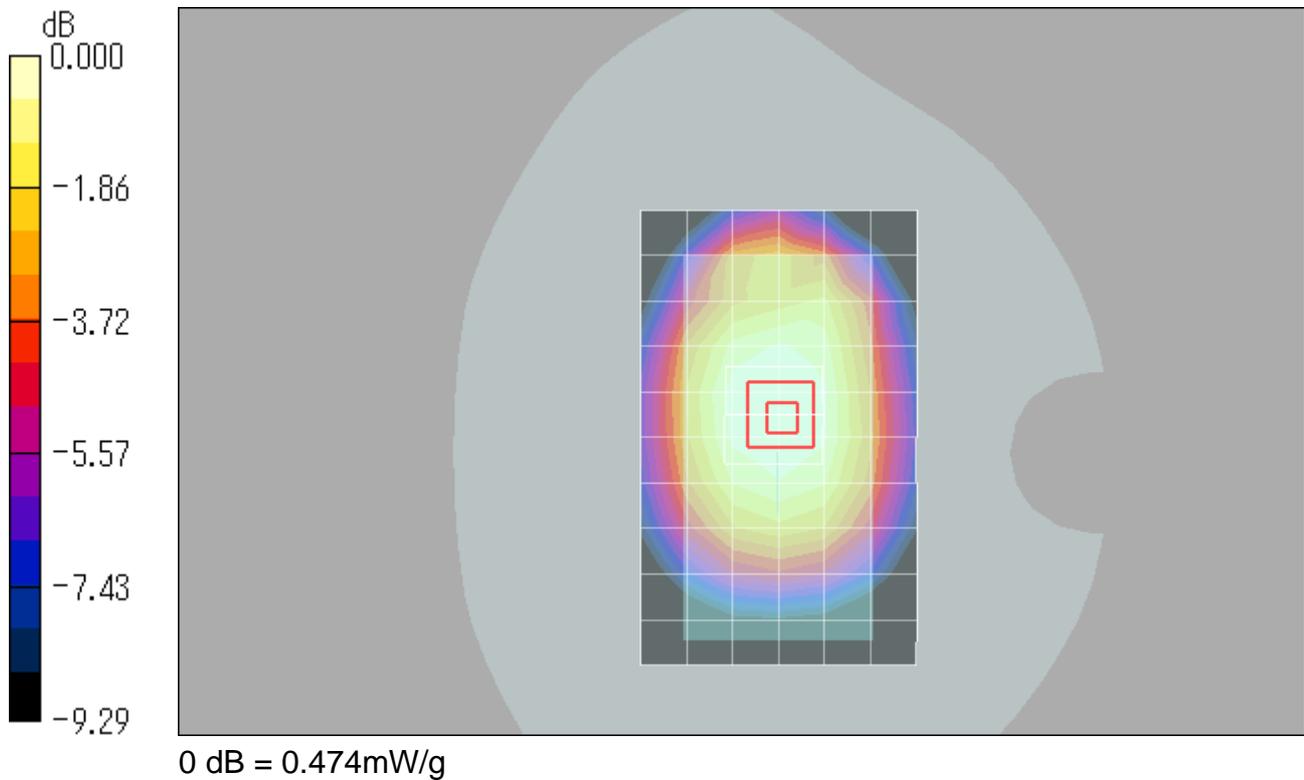
Communication System: WCDMA Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 846.6$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.474 mW/g

**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.5 V/m; Power Drift = -0.020 dB  
Peak SAR (extrapolated) = 0.565 W/kg  
**SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.344 mW/g**  
Maximum value of SAR (measured) = 0.474 mW/g



**Appendix 2 – SAR Test Plots (GSM 850)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.463 mW/g

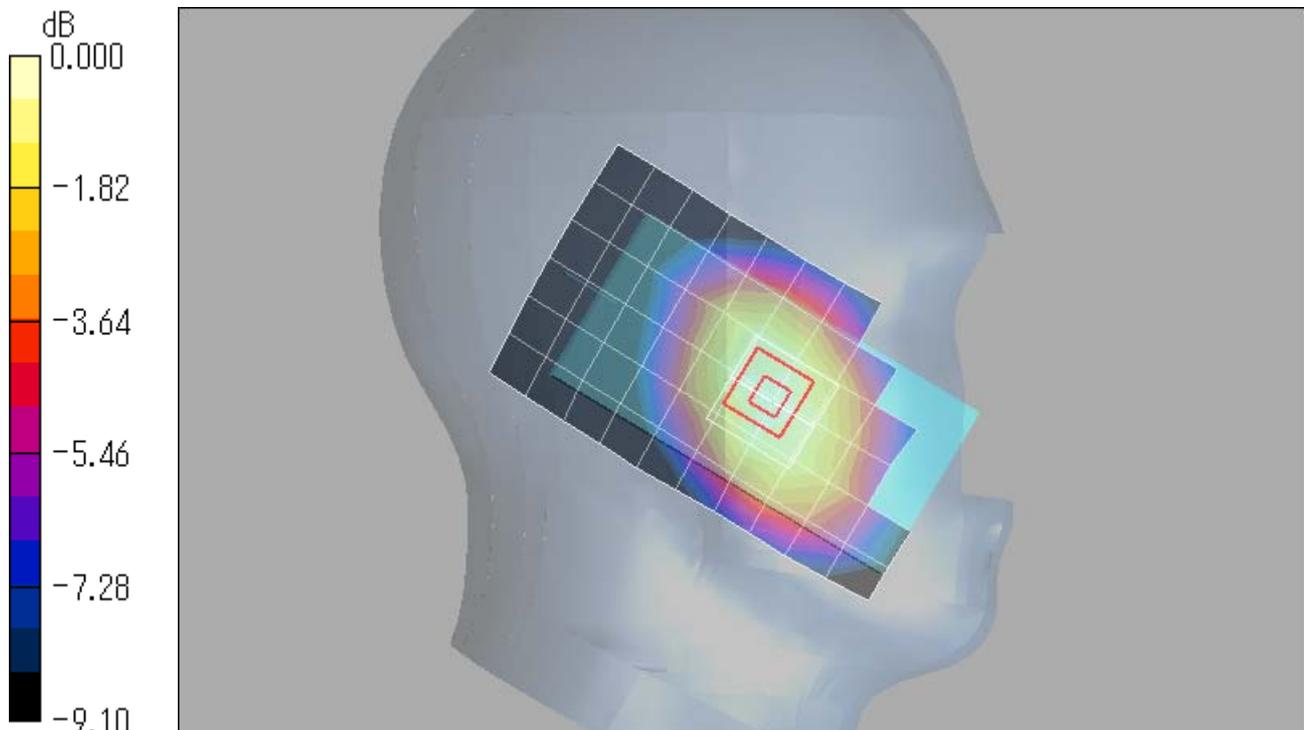
**Left Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.8 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.522 W/kg

**SAR(1 g) = 0.432 mW/g; SAR(10 g) = 0.323 mW/g**

Maximum value of SAR (measured) = 0.459 mW/g



0 dB = 0.459mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Tilted/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.281 mW/g

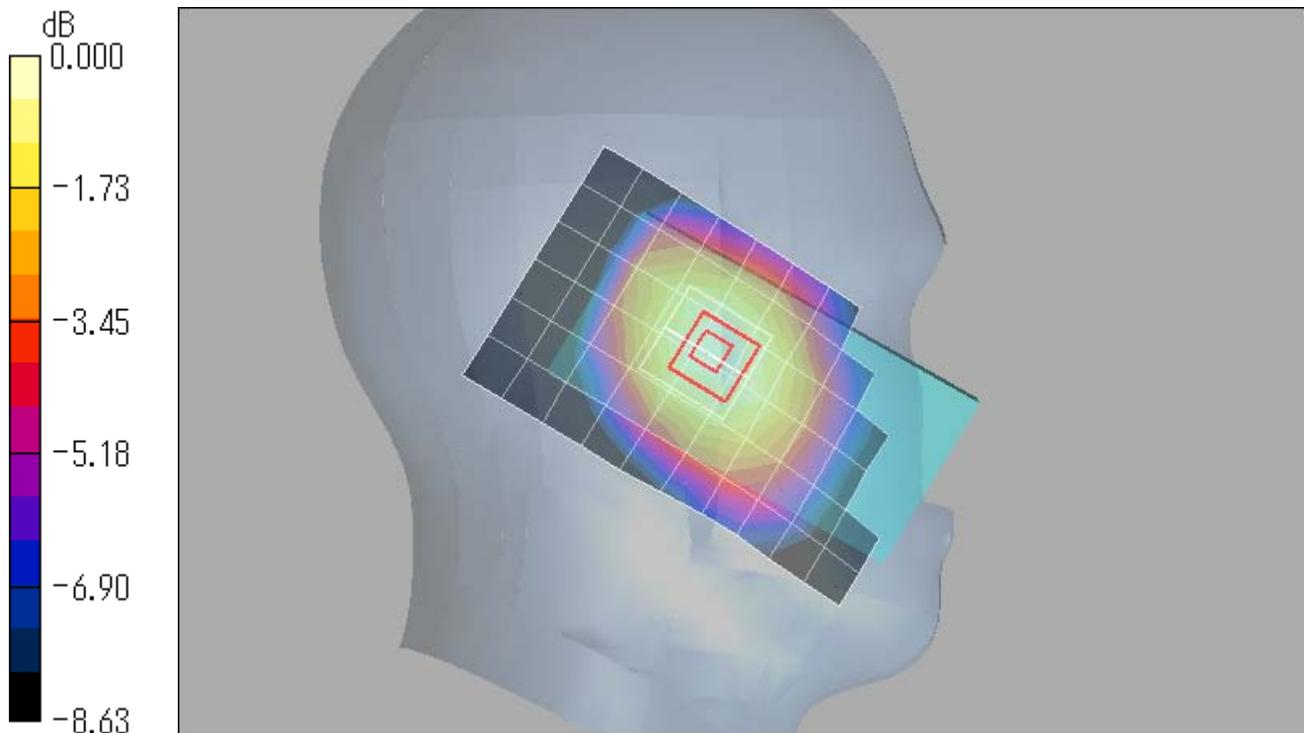
**Left Tilted/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.323 W/kg

**SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.208 mW/g**

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



0 dB = 0.289mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 128ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.376 mW/g

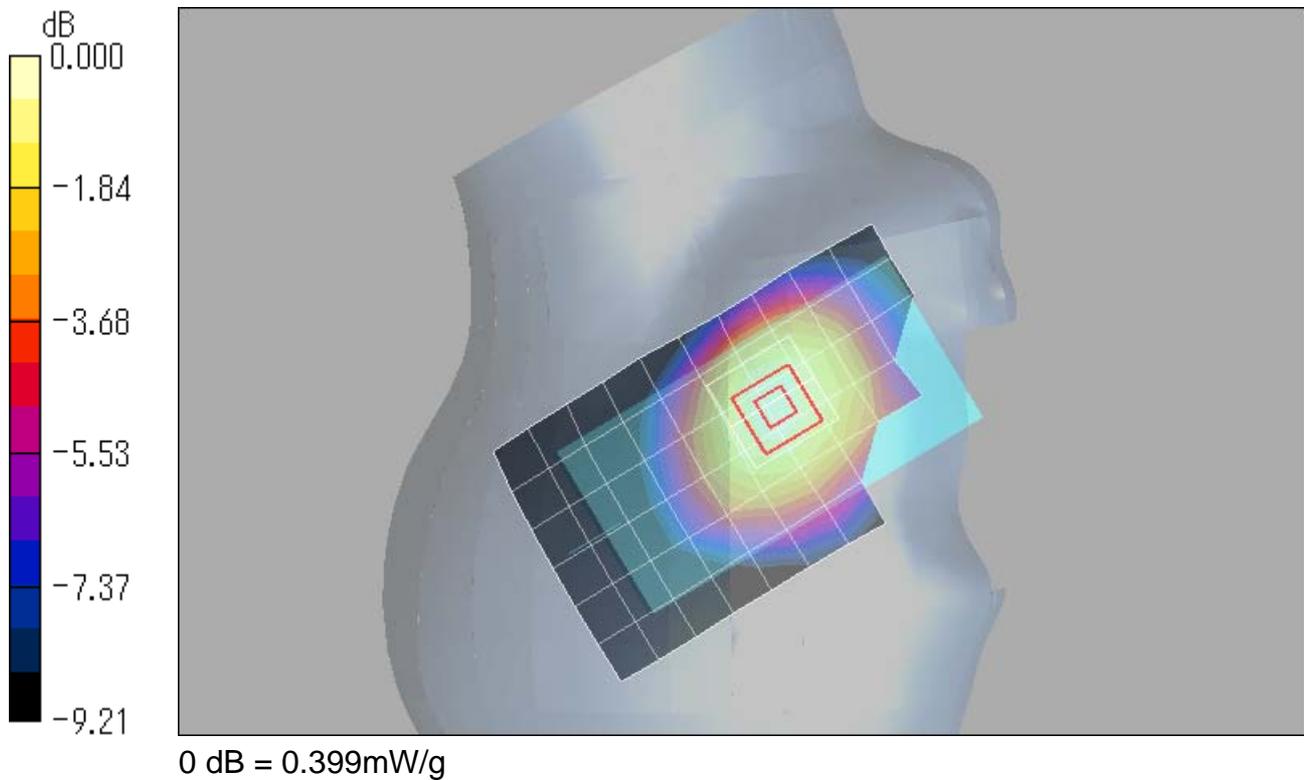
**Right Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.1 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.455 W/kg

**SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.288 mW/g**

Maximum value of SAR (measured) = 0.399 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.478 mW/g

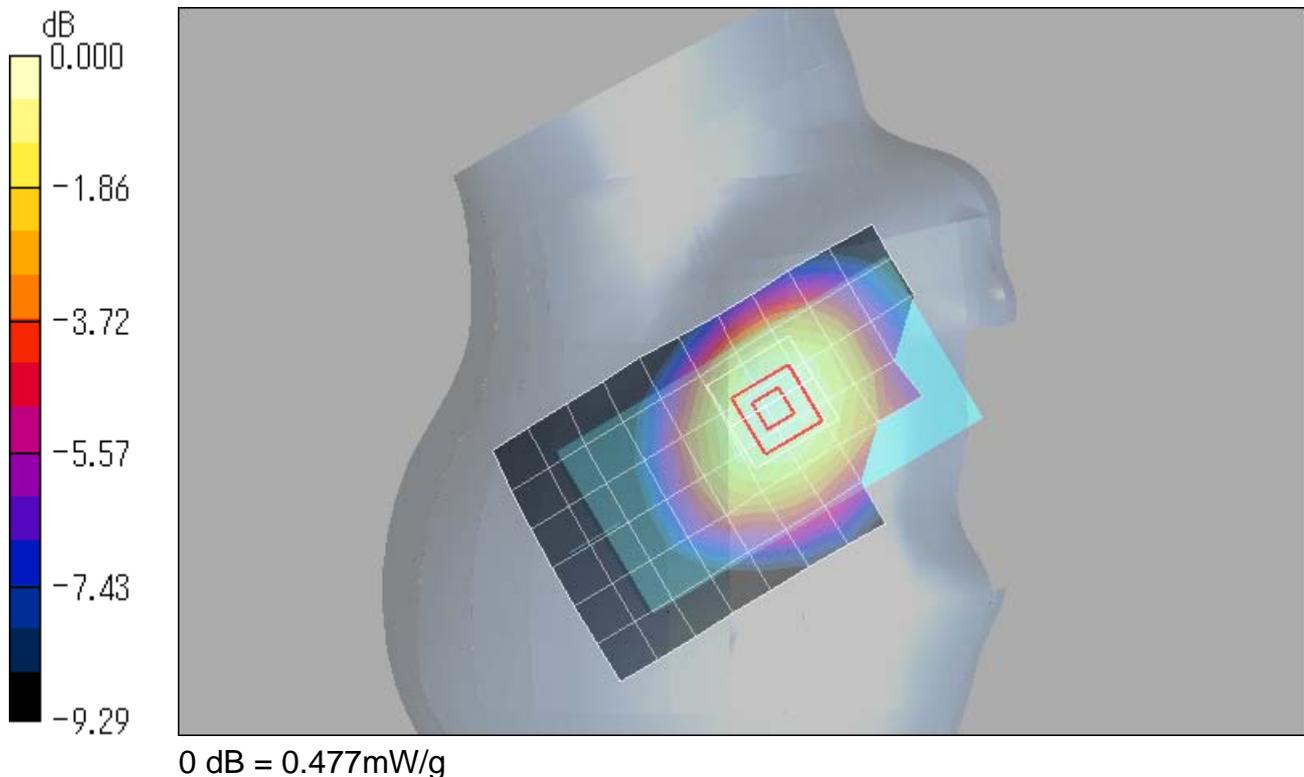
**Right Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.0 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.541 W/kg

**SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.346 mW/g**

Maximum value of SAR (measured) = 0.477 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 251ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.902$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.606 mW/g

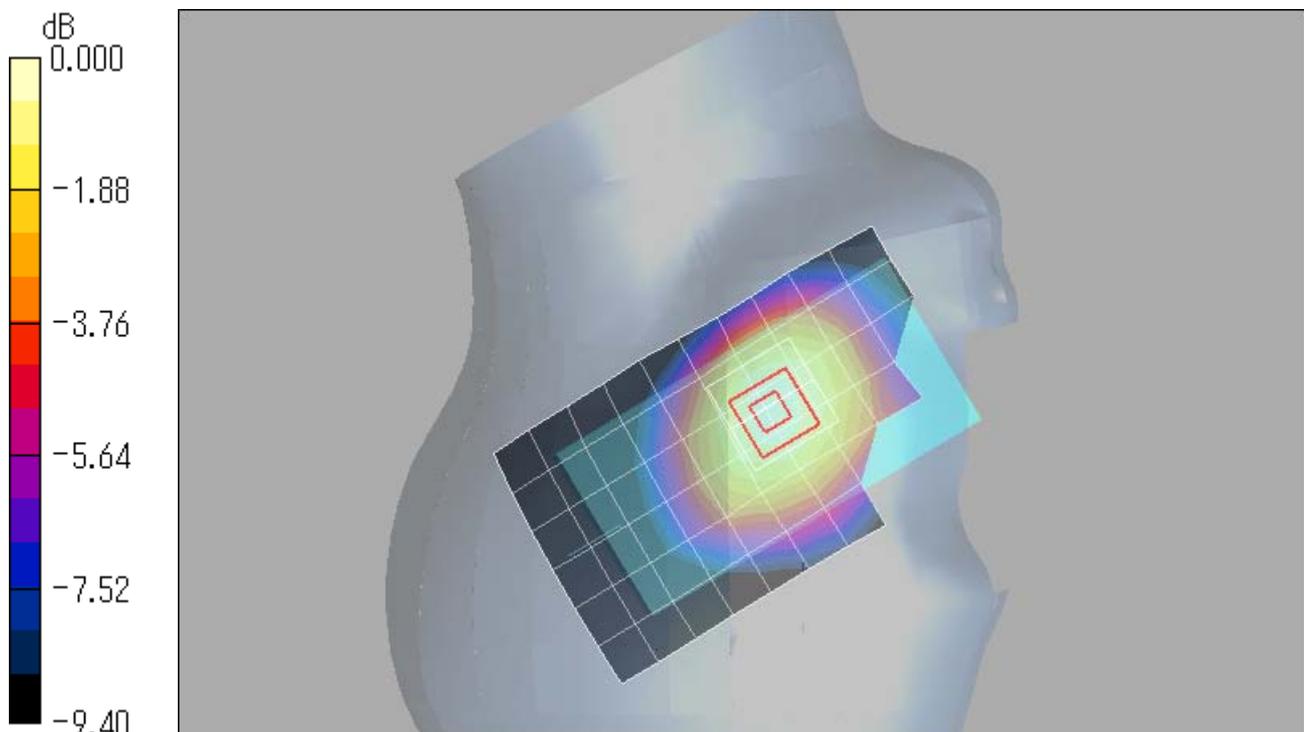
**Right Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.1 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.711 W/kg

**SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.451 mW/g**

Maximum value of SAR (measured) = 0.632 mW/g



0 dB = 0.632mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Left Head 251ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075

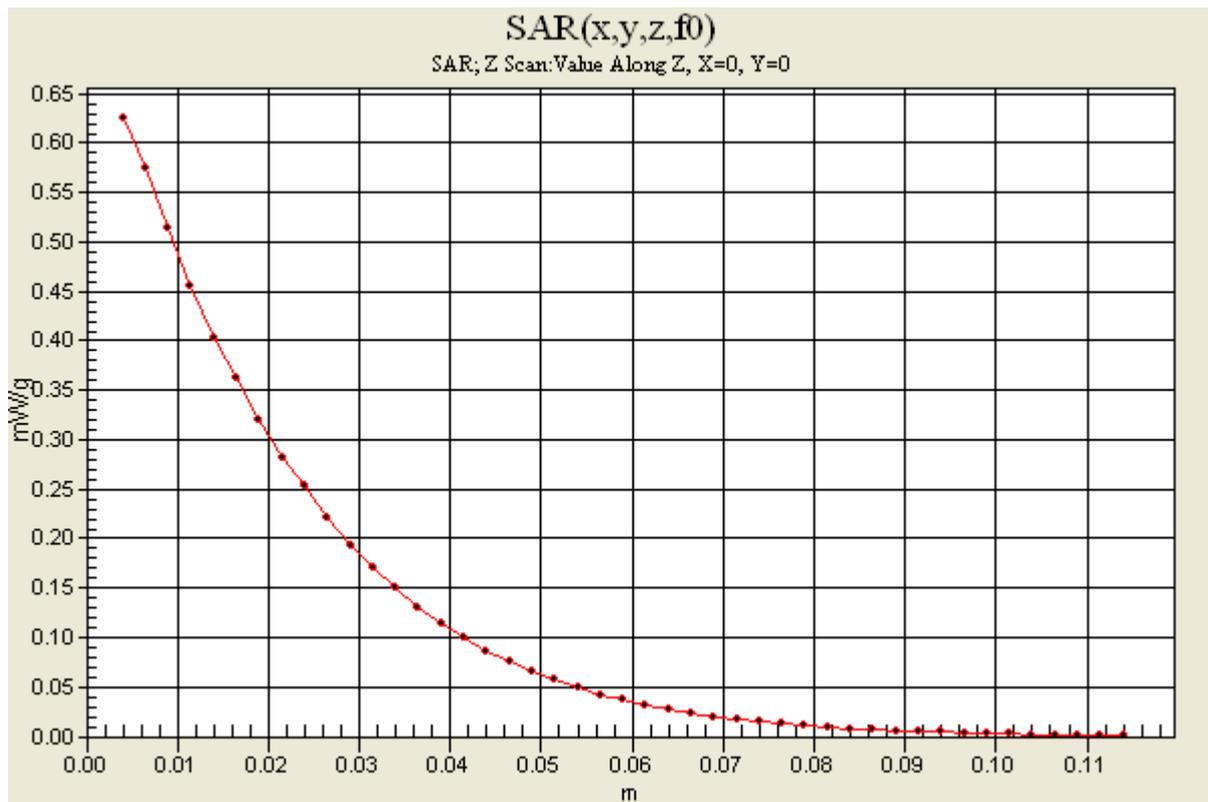
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.902$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.625 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Right Head 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

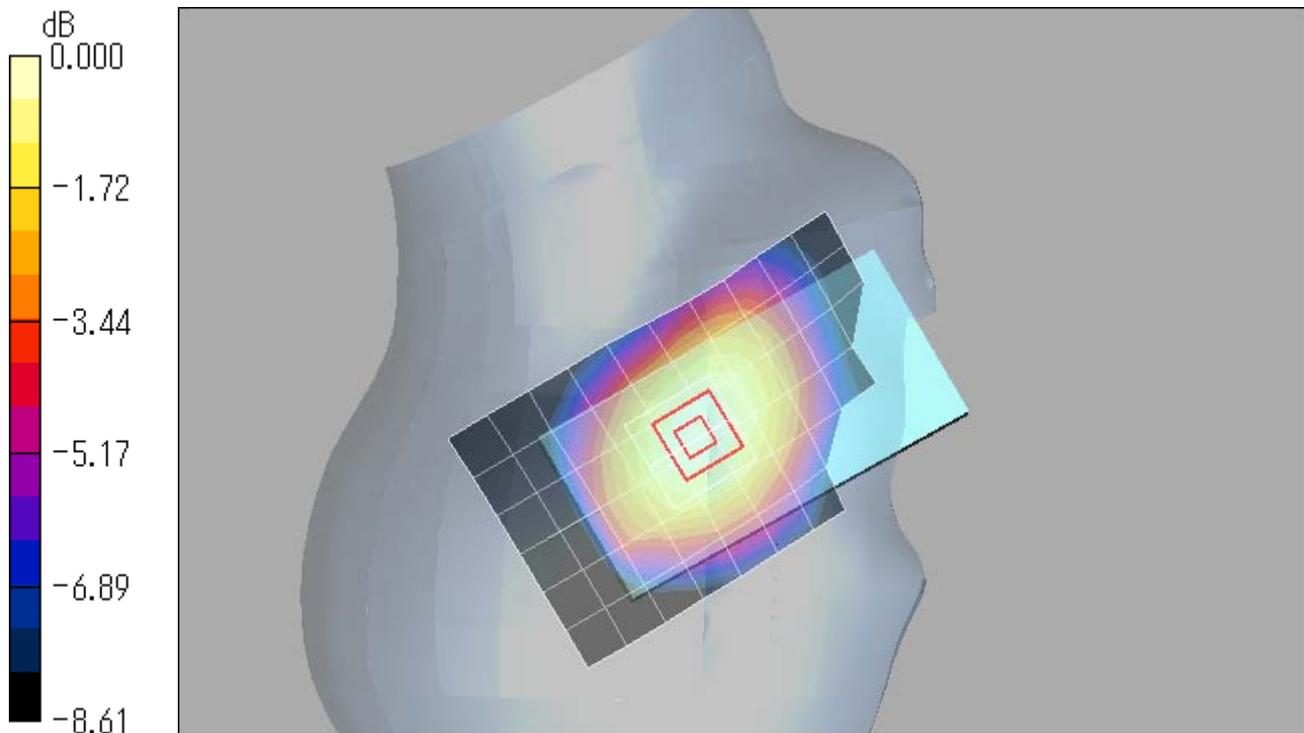
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Tilted/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.241 mW/g

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 16.5 V/m; Power Drift = 0.001 dB  
Peak SAR (extrapolated) = 0.277 W/kg  
**SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.184 mW/g**  
Maximum value of SAR (measured) = 0.249 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Bottom Edge/Area Scan (7x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.090 mW/g

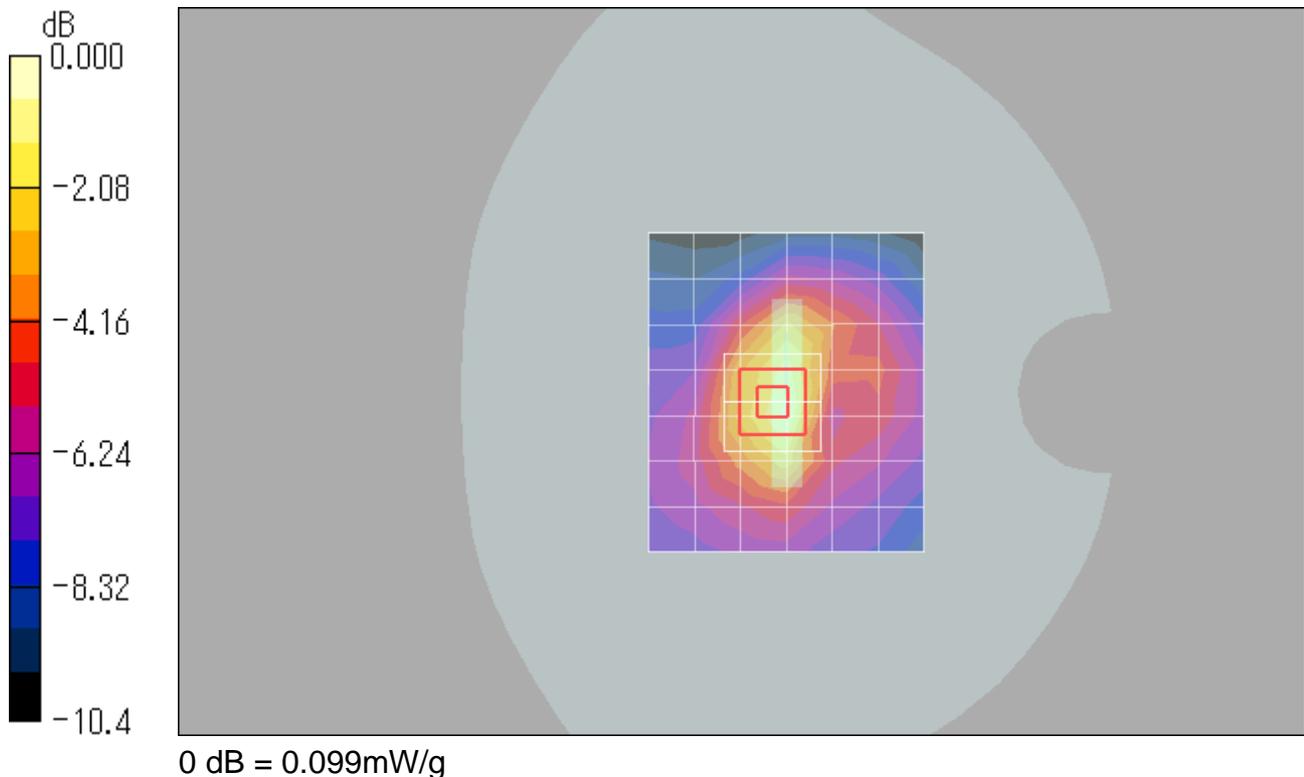
**Bottom Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.99 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.173 W/kg

**SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.048 mW/g**

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.334 mW/g

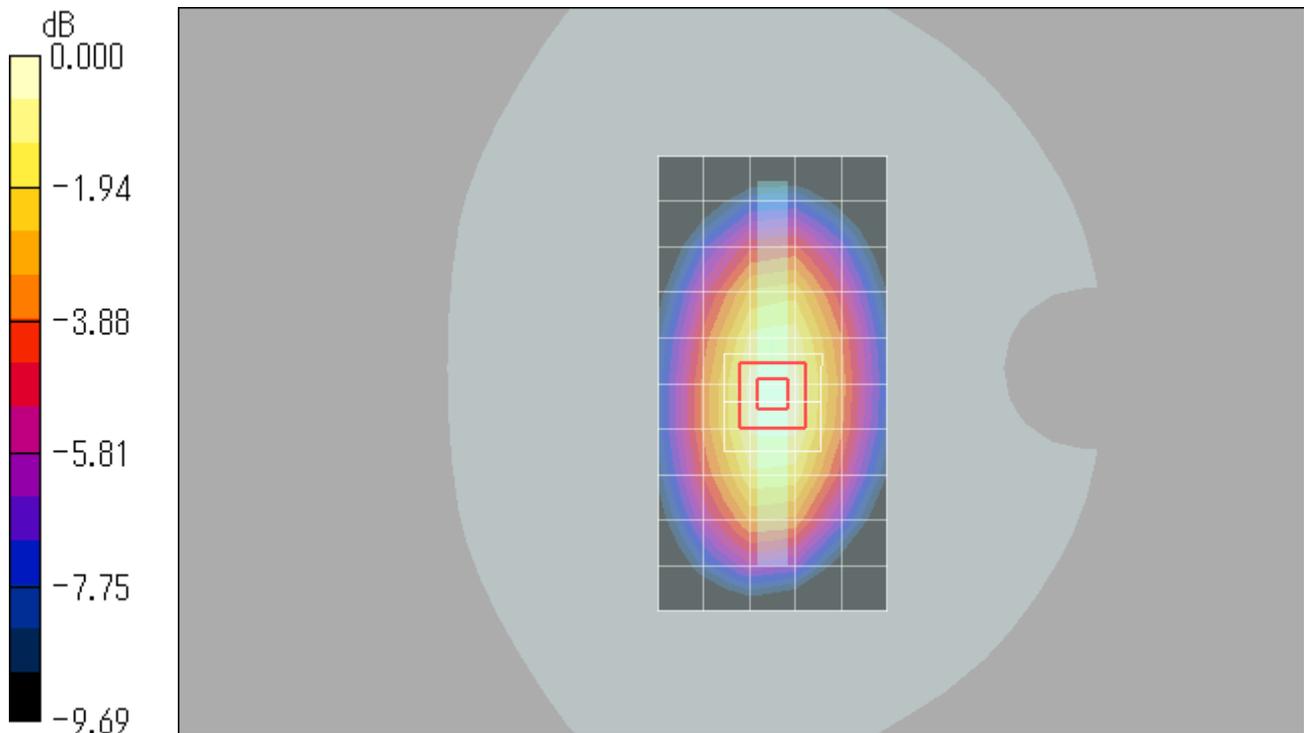
**Left Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.460 W/kg

**SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.235 mW/g**

Maximum value of SAR (measured) = 0.362 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Edge/Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.476 mW/g

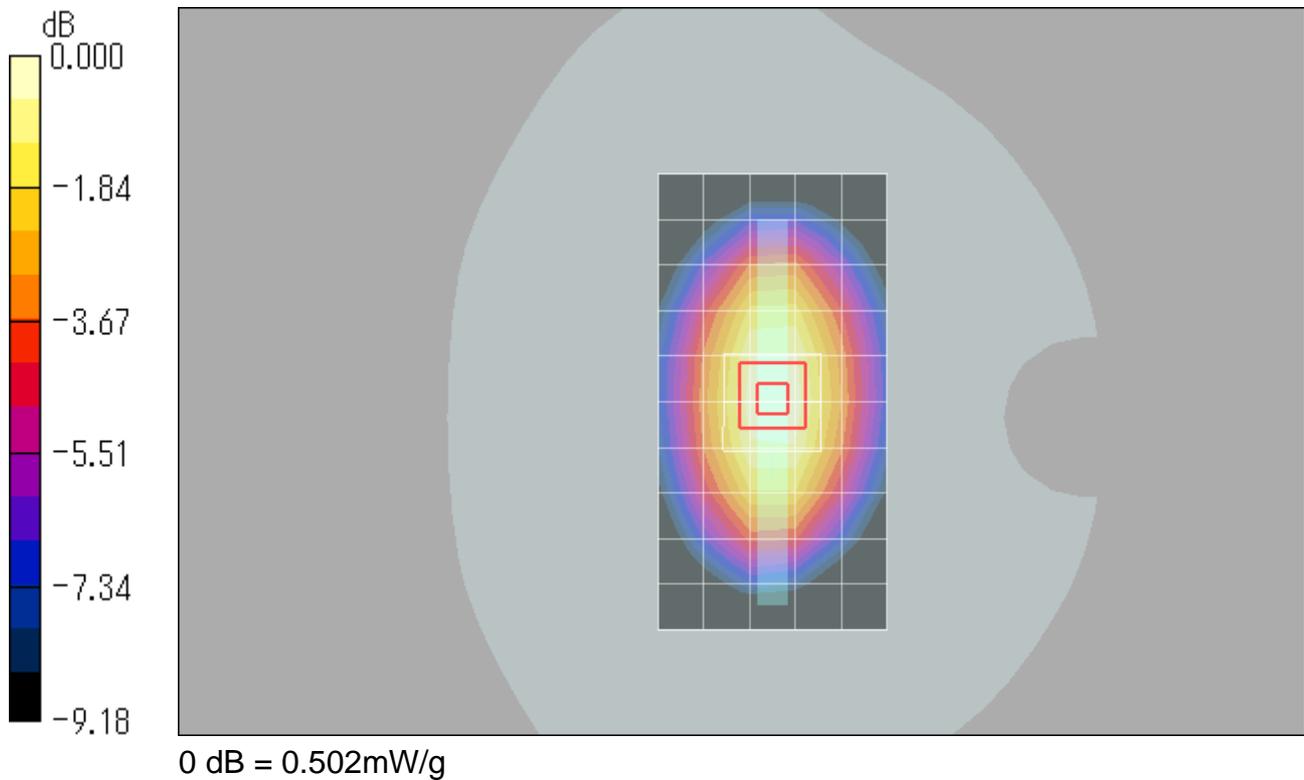
**Right Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.9 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.629 W/kg

**SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.329 mW/g**

Maximum value of SAR (measured) = 0.502 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

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

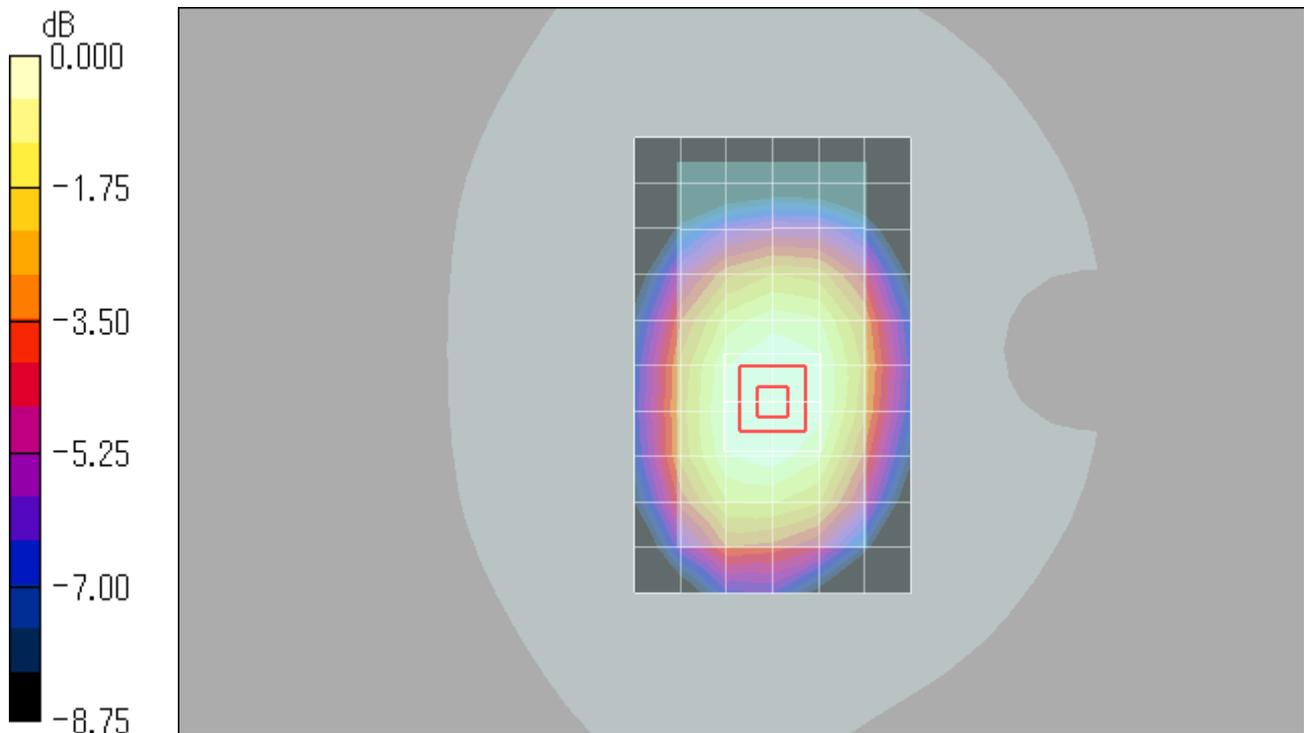
**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.4 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.679 W/kg

**SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.432 mW/g**

Maximum value of SAR (measured) = 0.588 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 128ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.953$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.508 mW/g

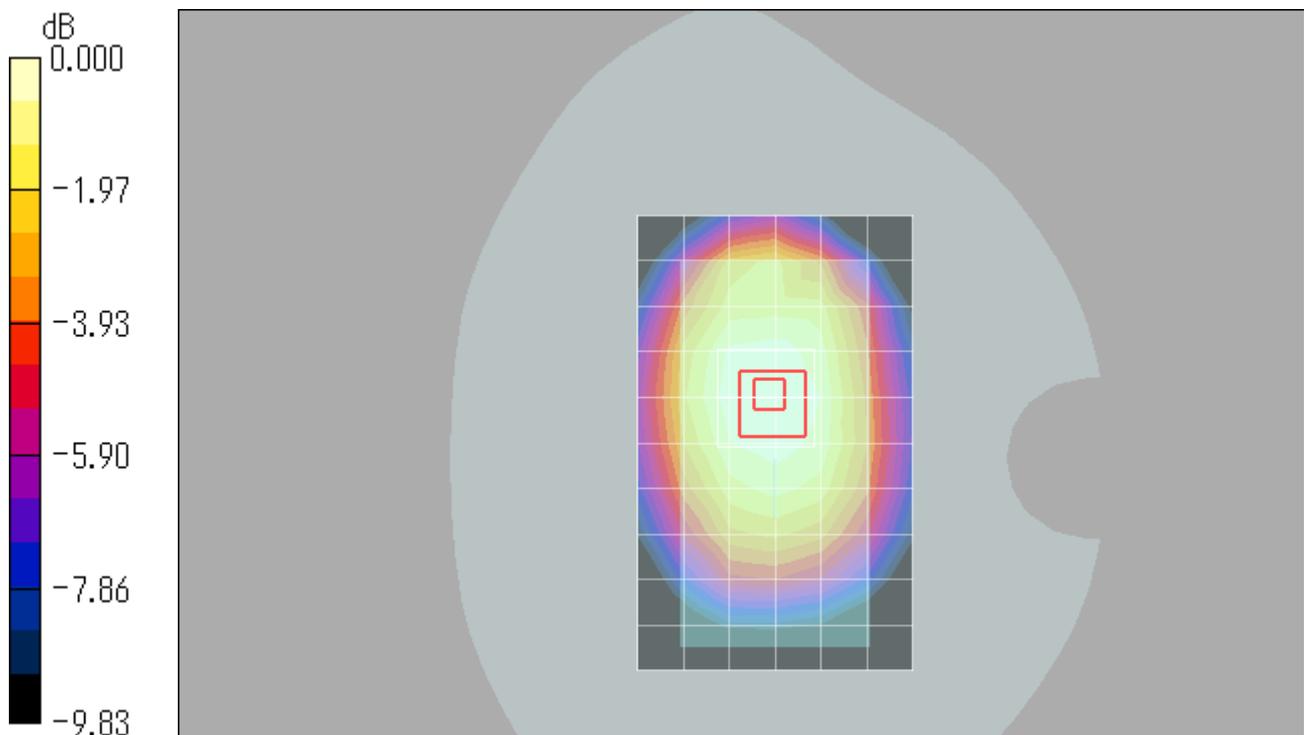
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.606 W/kg

**SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.366 mW/g**

Maximum value of SAR (measured) = 0.505 mW/g



0 dB = 0.505mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.613 mW/g

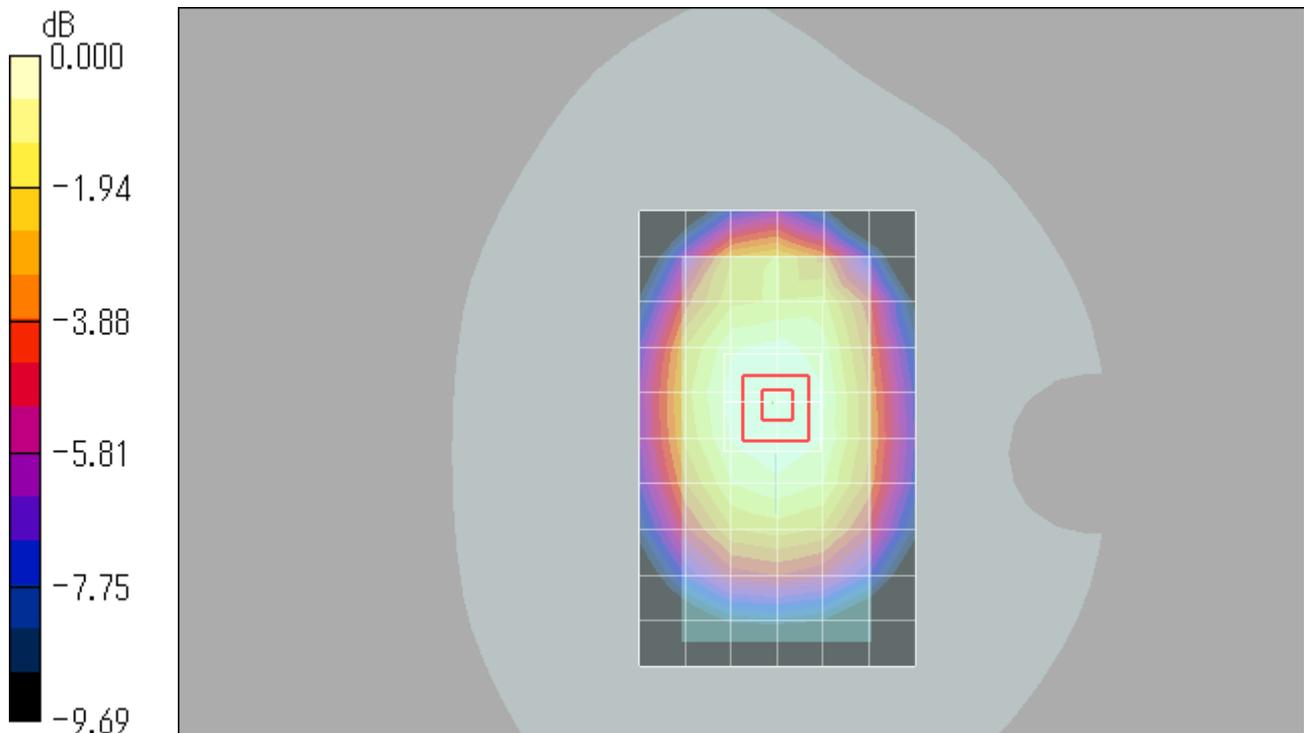
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.5 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.716 W/kg

**SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.443 mW/g**

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



0 dB = 0.608mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 251ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.700 mW/g

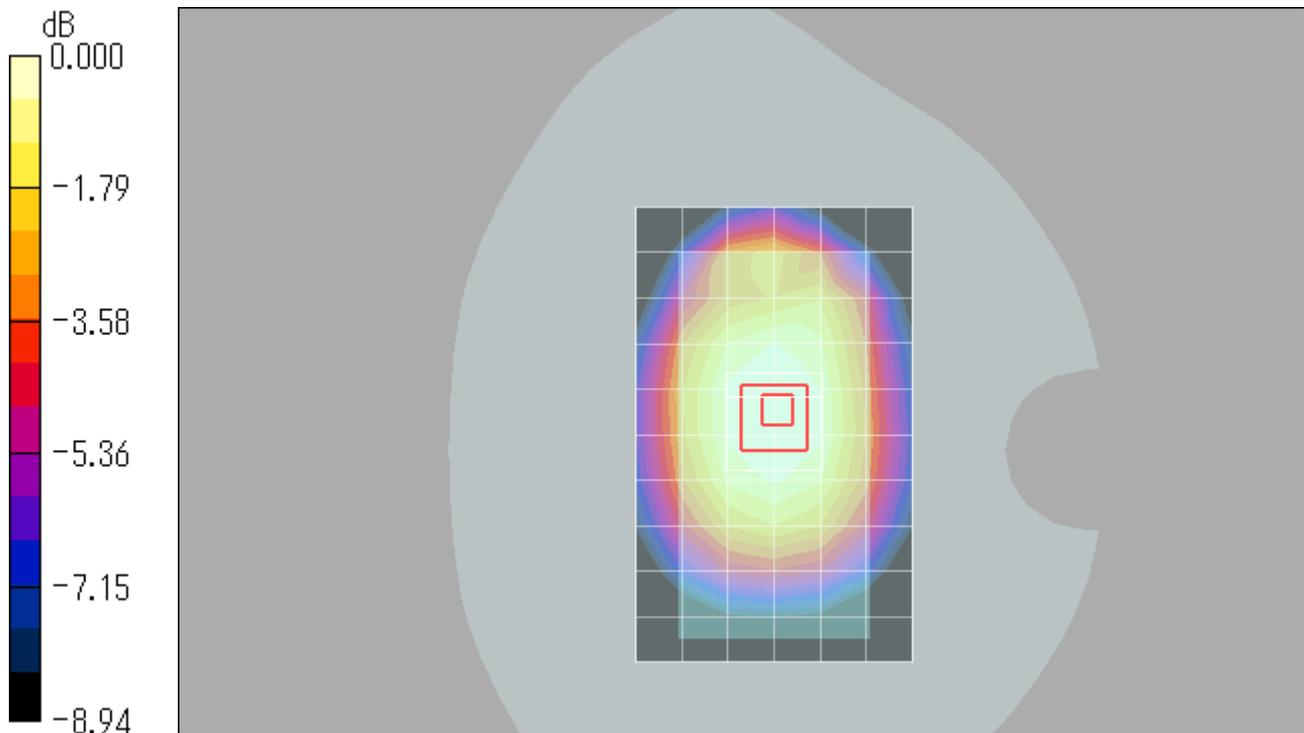
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.6 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.822 W/kg

**SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.507 mW/g**

Maximum value of SAR (measured) = 0.696 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 251ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075

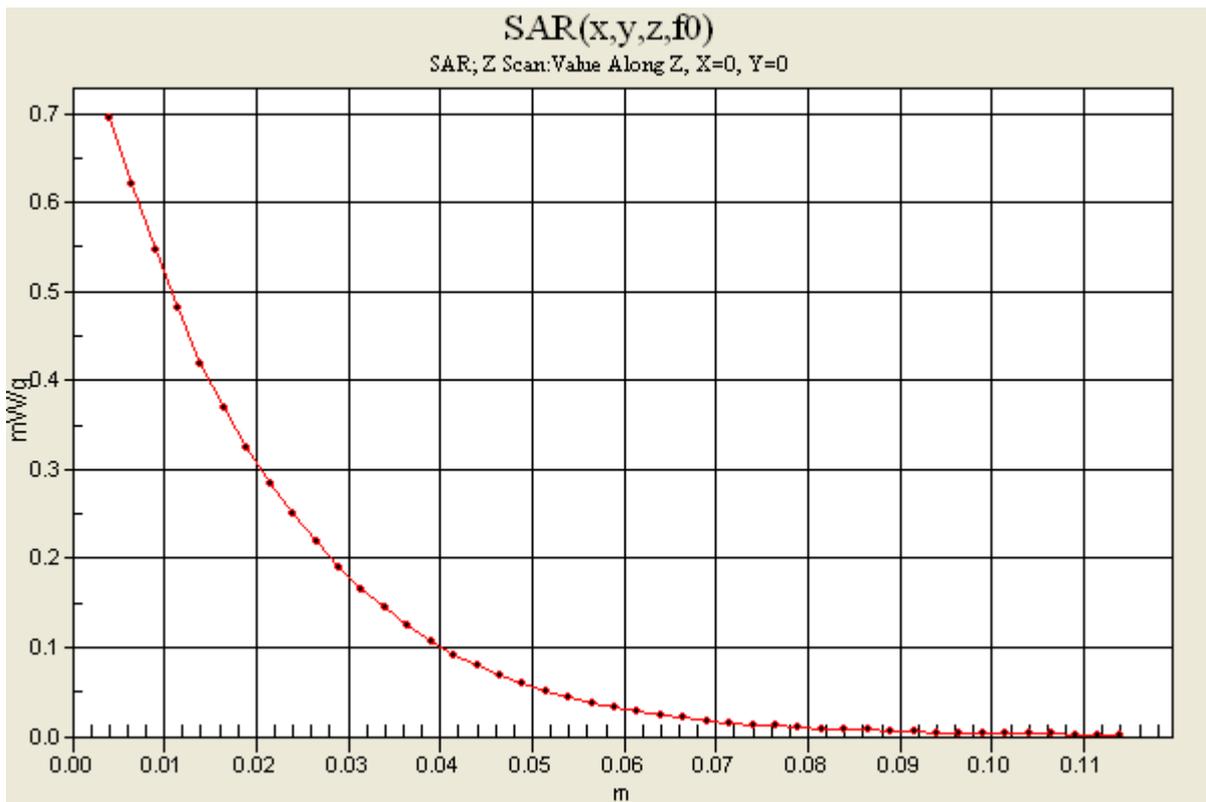
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.695 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 251ch / GSM 850 - GPRS 4slot

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.509 mW/g

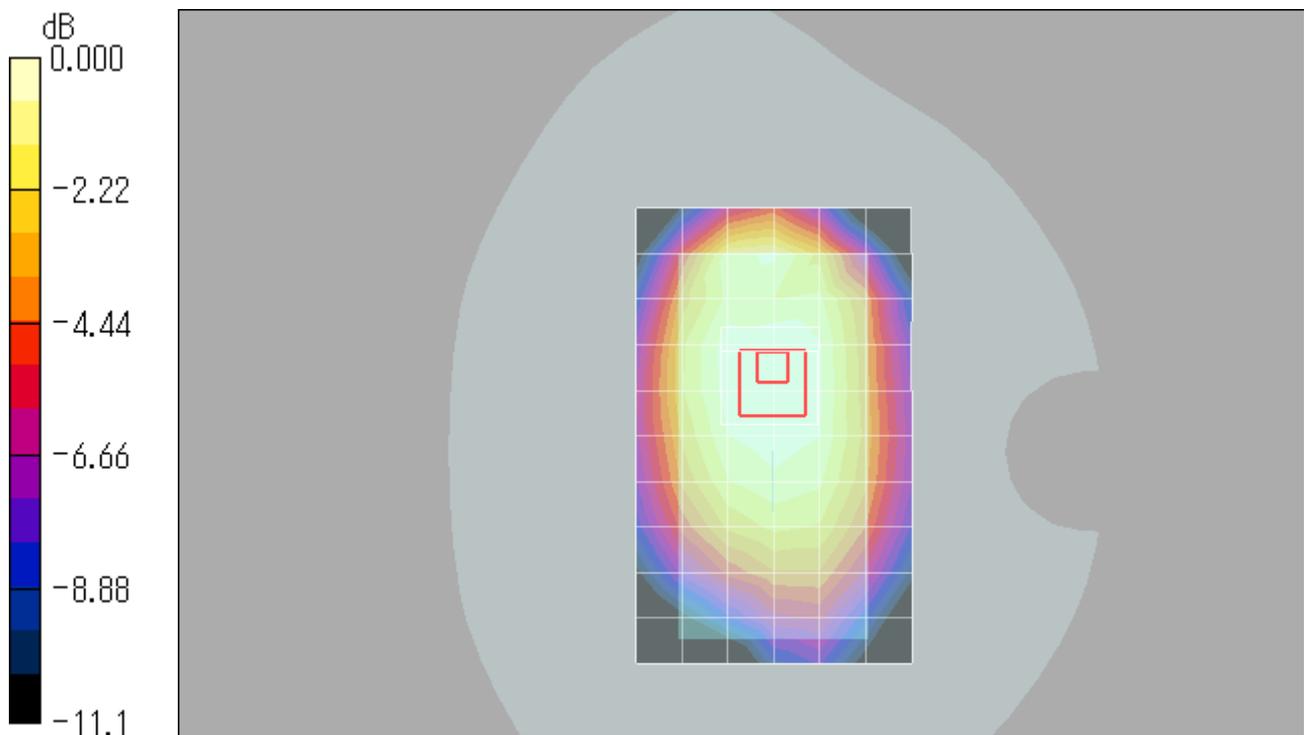
**Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.655 W/kg

**SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.361 mW/g**

Maximum value of SAR (measured) = 0.506 mW/g



0 dB = 0.506mW/g

**Appendix 2 – SAR Test Plots (PCS 1900)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

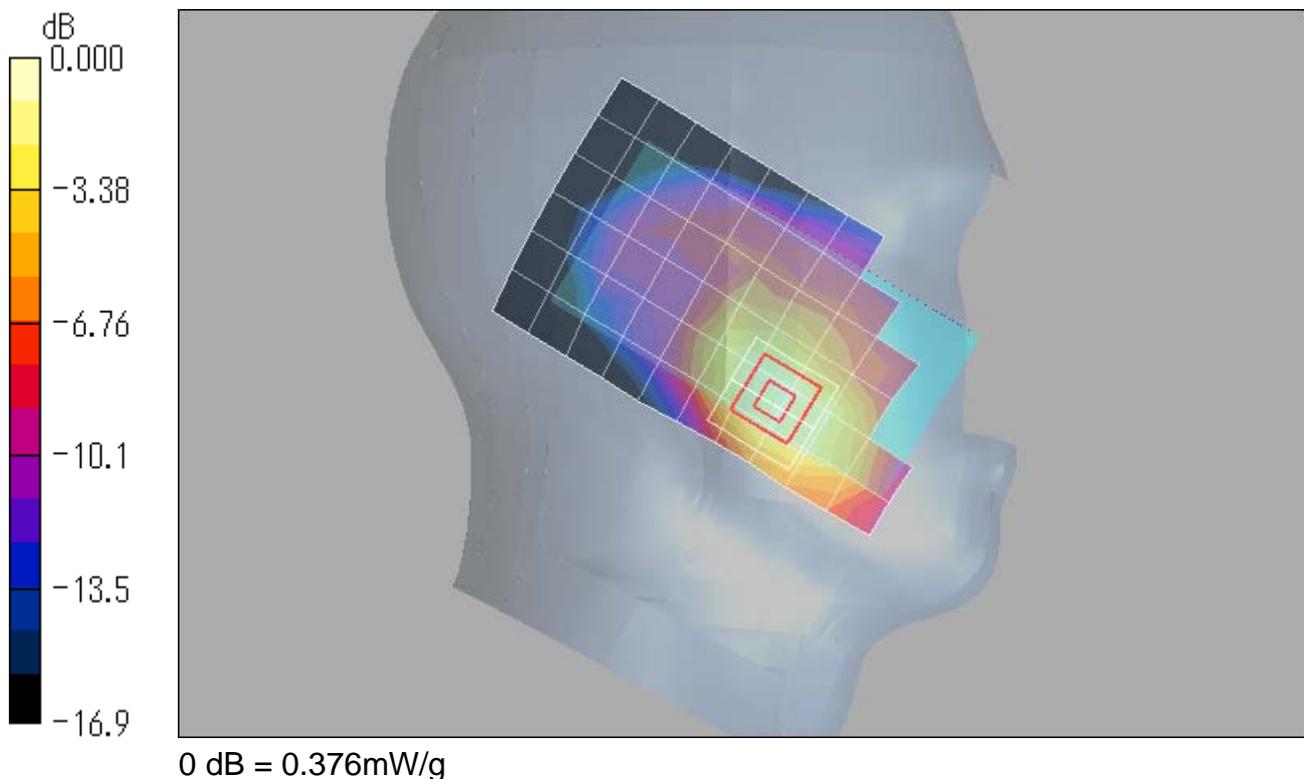
Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.314 mW/g

**Left Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.5 V/m; Power Drift = -0.026 dB  
Peak SAR (extrapolated) = 0.495 W/kg  
**SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.208 mW/g**  
Maximum value of SAR (measured) = 0.376 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

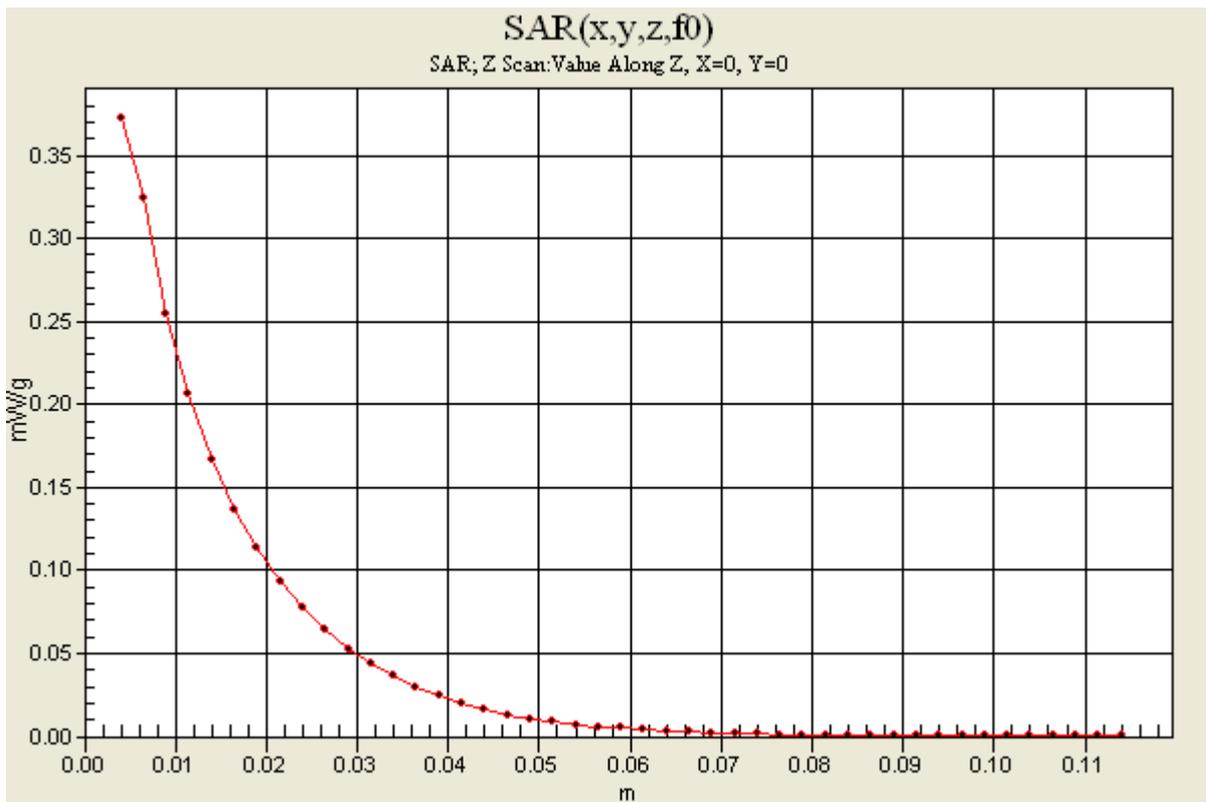
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Touched/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
 Maximum value of SAR (measured) = 0.372 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.298 mW/g

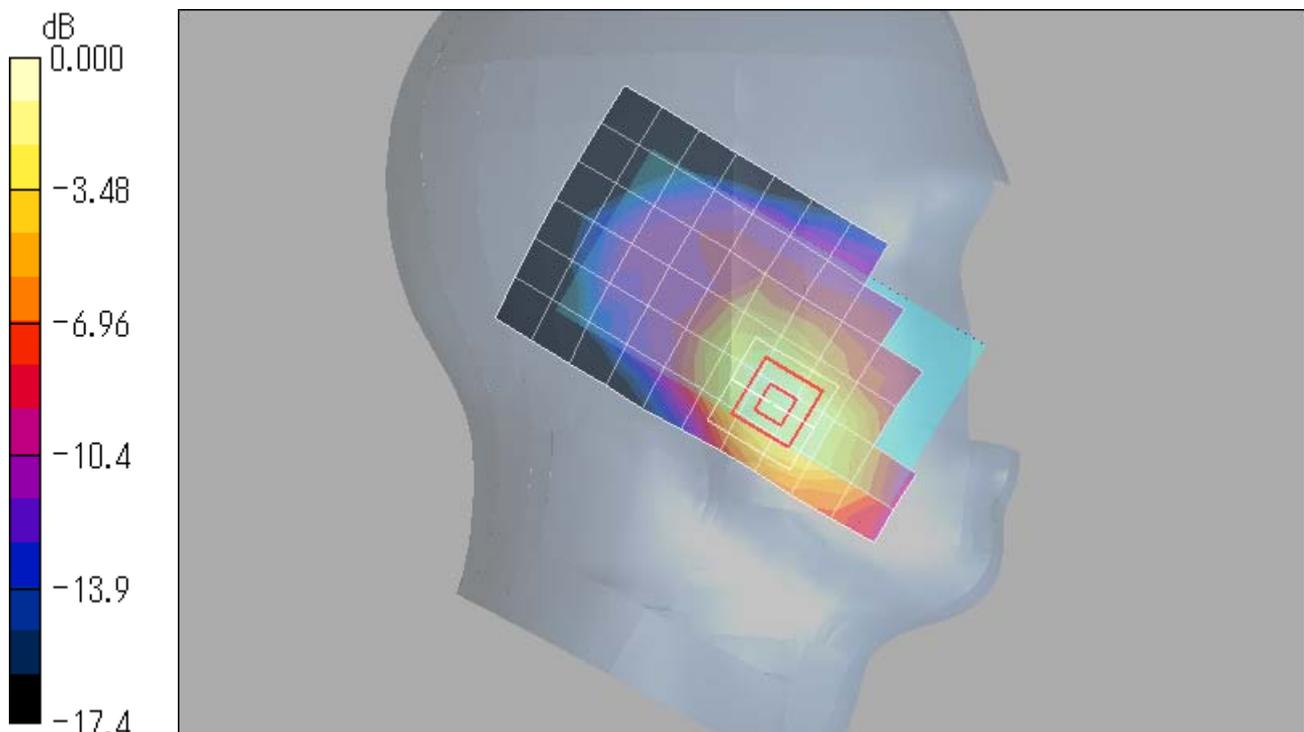
**Left Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.505 W/kg

**SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.201 mW/g**

Maximum value of SAR (measured) = 0.369 mW/g



0 dB = 0.369mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

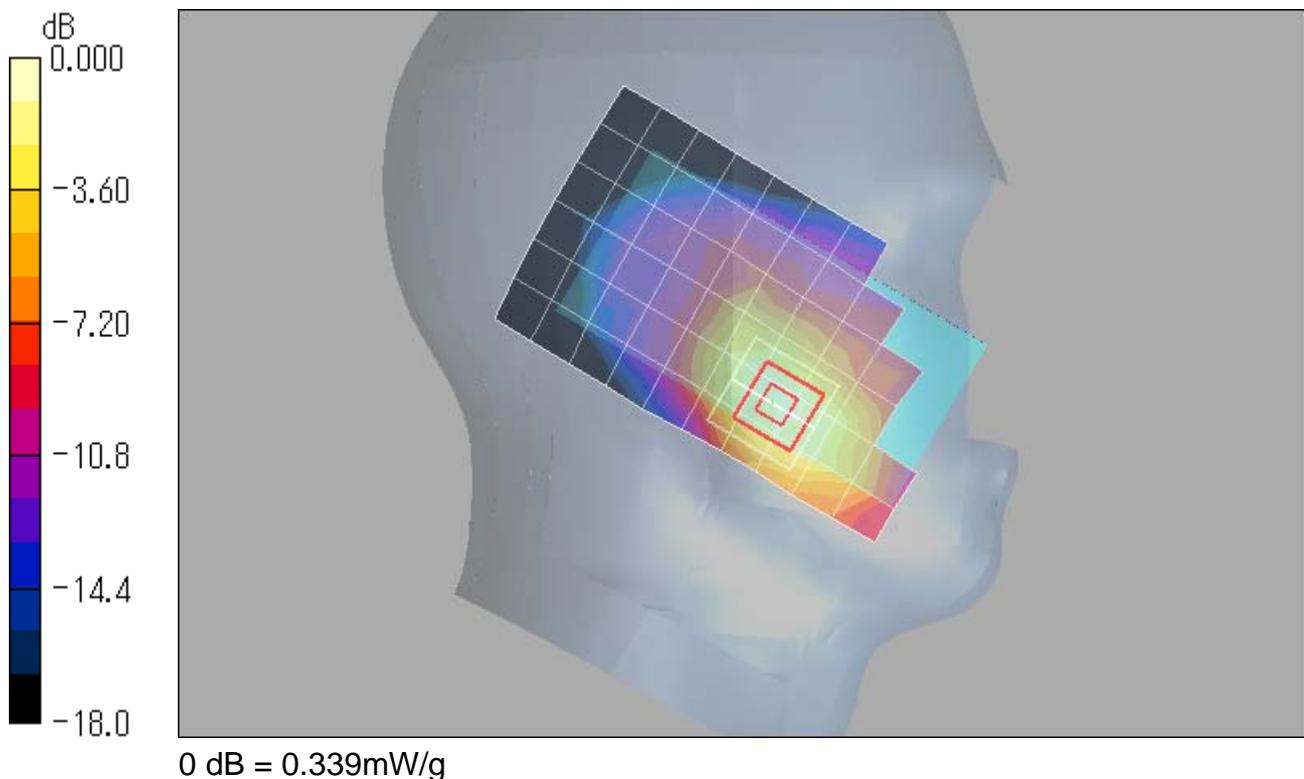
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.283 mW/g

**Left Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.77 V/m; Power Drift = -0.032 dB  
Peak SAR (extrapolated) = 0.461 W/kg  
**SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.184 mW/g**  
Maximum value of SAR (measured) = 0.339 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Left Tilted/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.054 mW/g

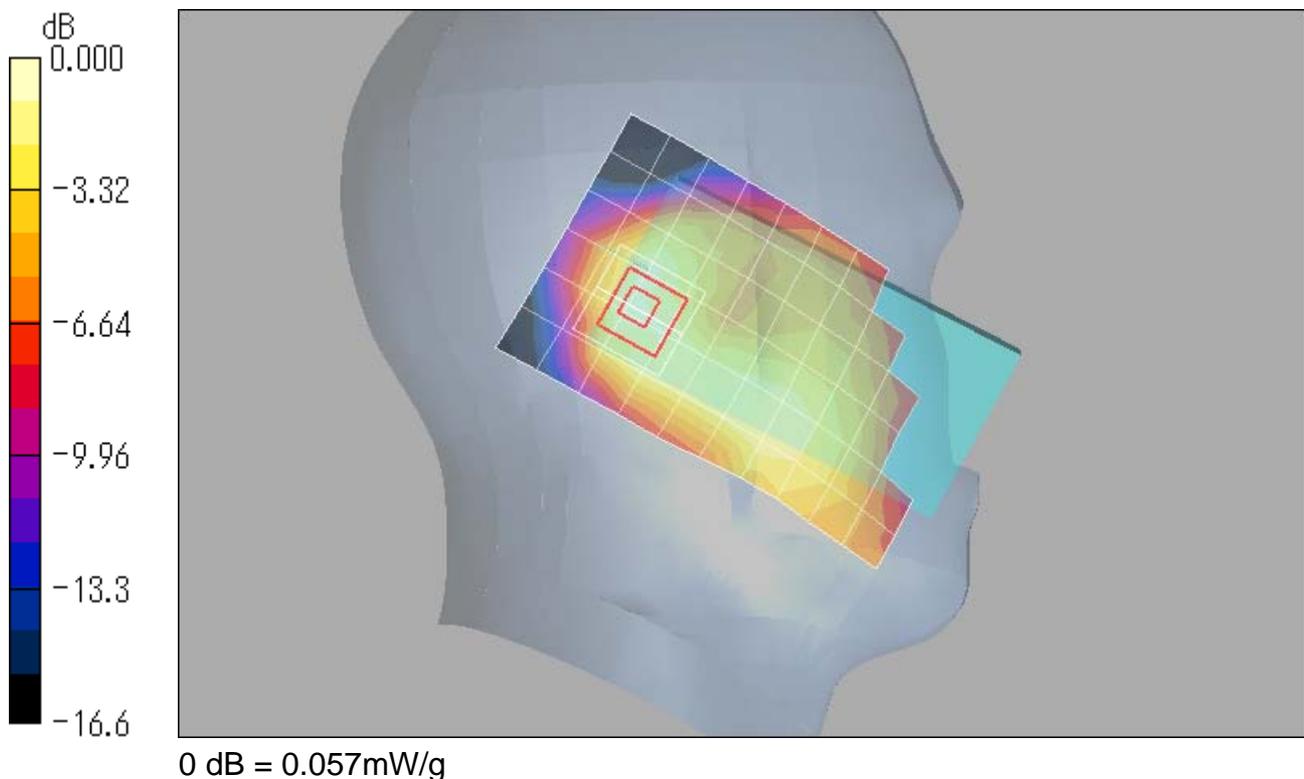
**Left Tilted/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.50 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.077 W/kg

**SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.032 mW/g**

Maximum value of SAR (measured) = 0.057 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Touched/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.190 mW/g

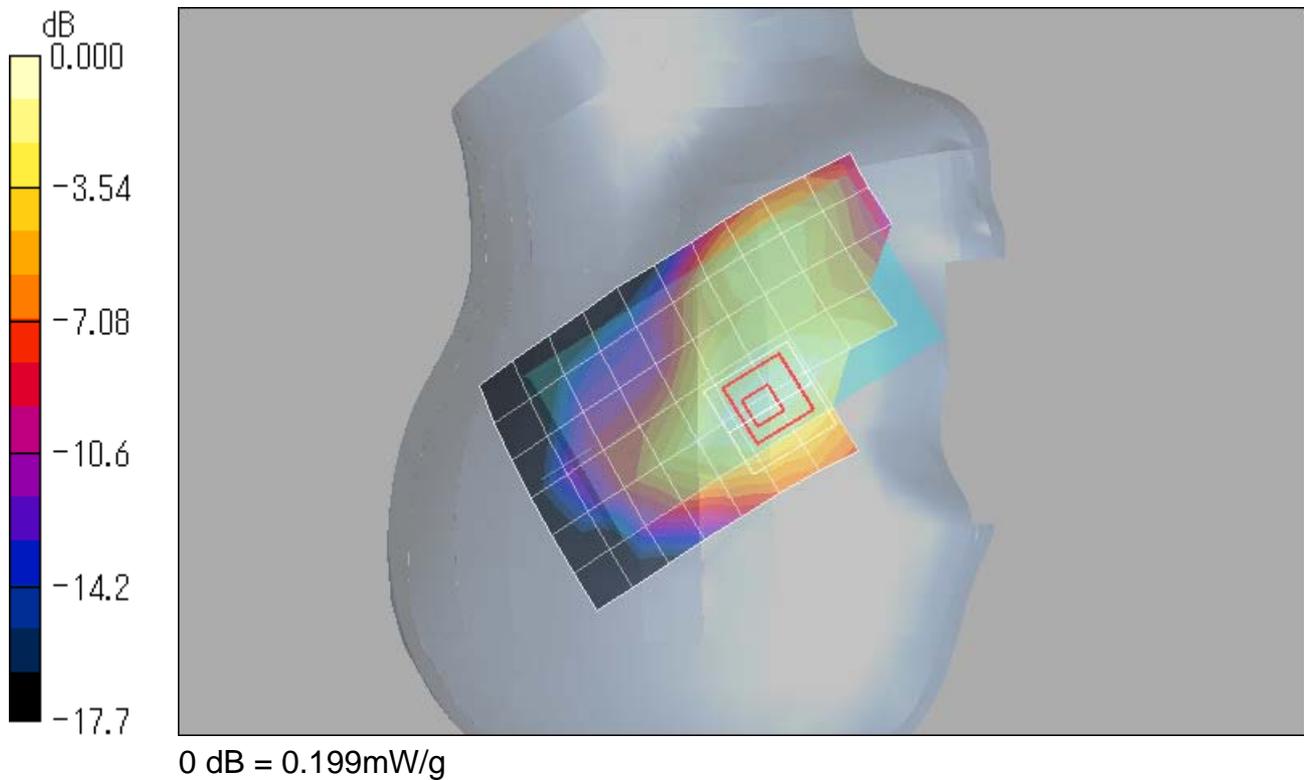
**Right Touched/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.76 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.264 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.199 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

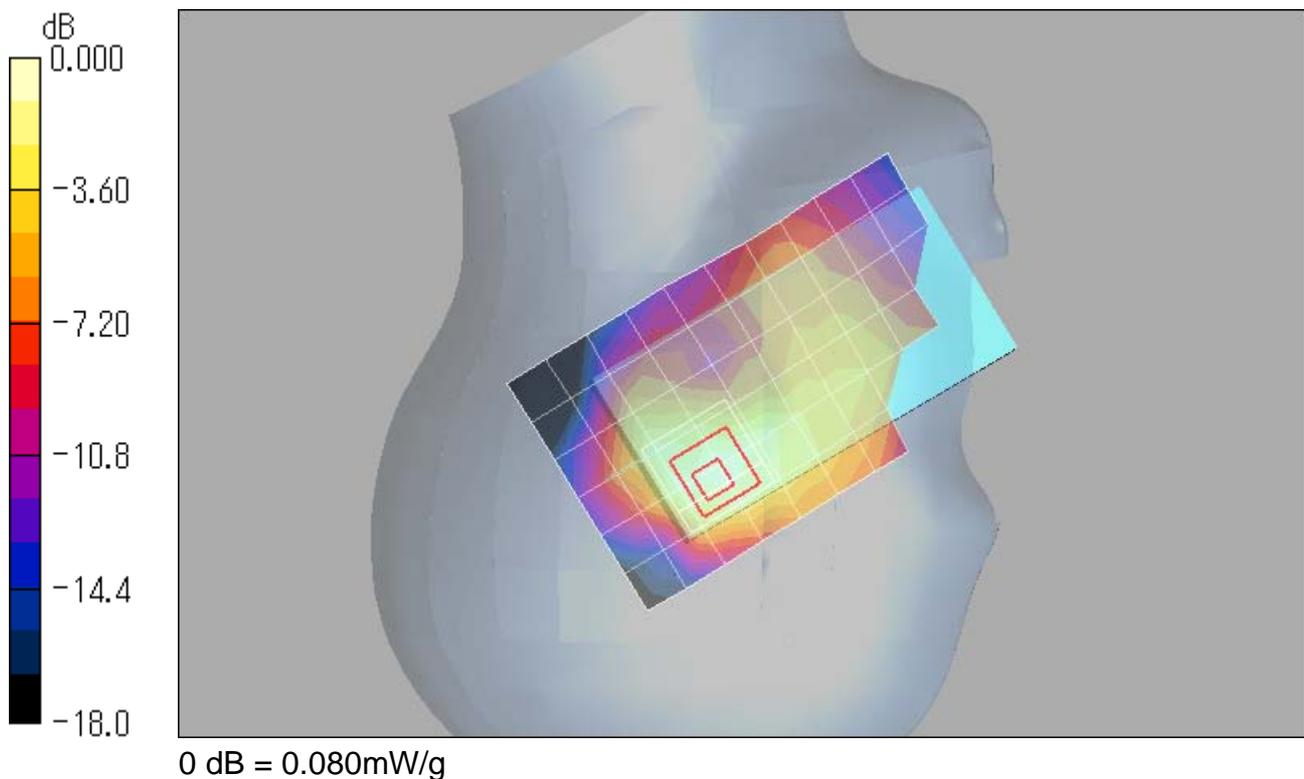
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Tilted/Area Scan (11x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.080 mW/g

**Right Tilted/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.62 V/m; Power Drift = 0.006 dB  
Peak SAR (extrapolated) = 0.115 W/kg  
**SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.045 mW/g**



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Bottom Edge/Area Scan (7x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.311 mW/g

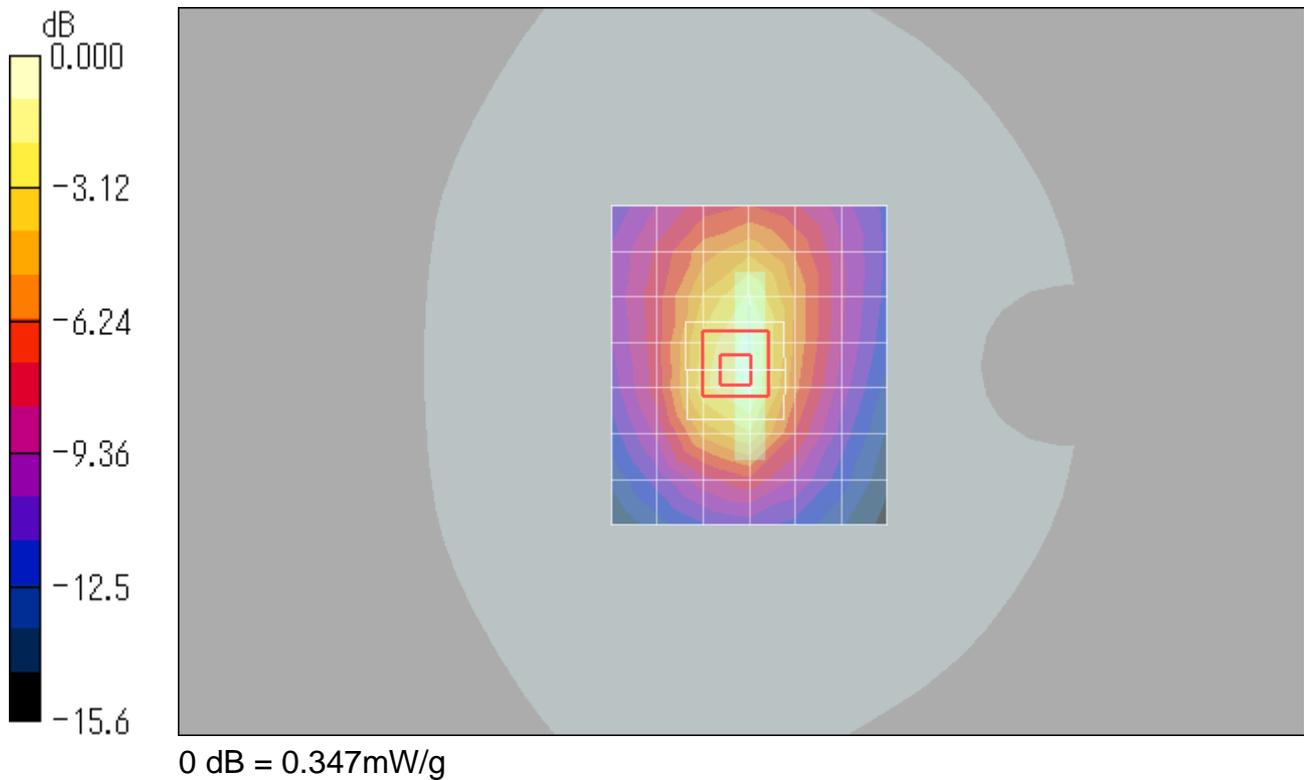
**Bottom Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.7 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.466 W/kg

**SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.182 mW/g**

Maximum value of SAR (measured) = 0.347 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.146 mW/g

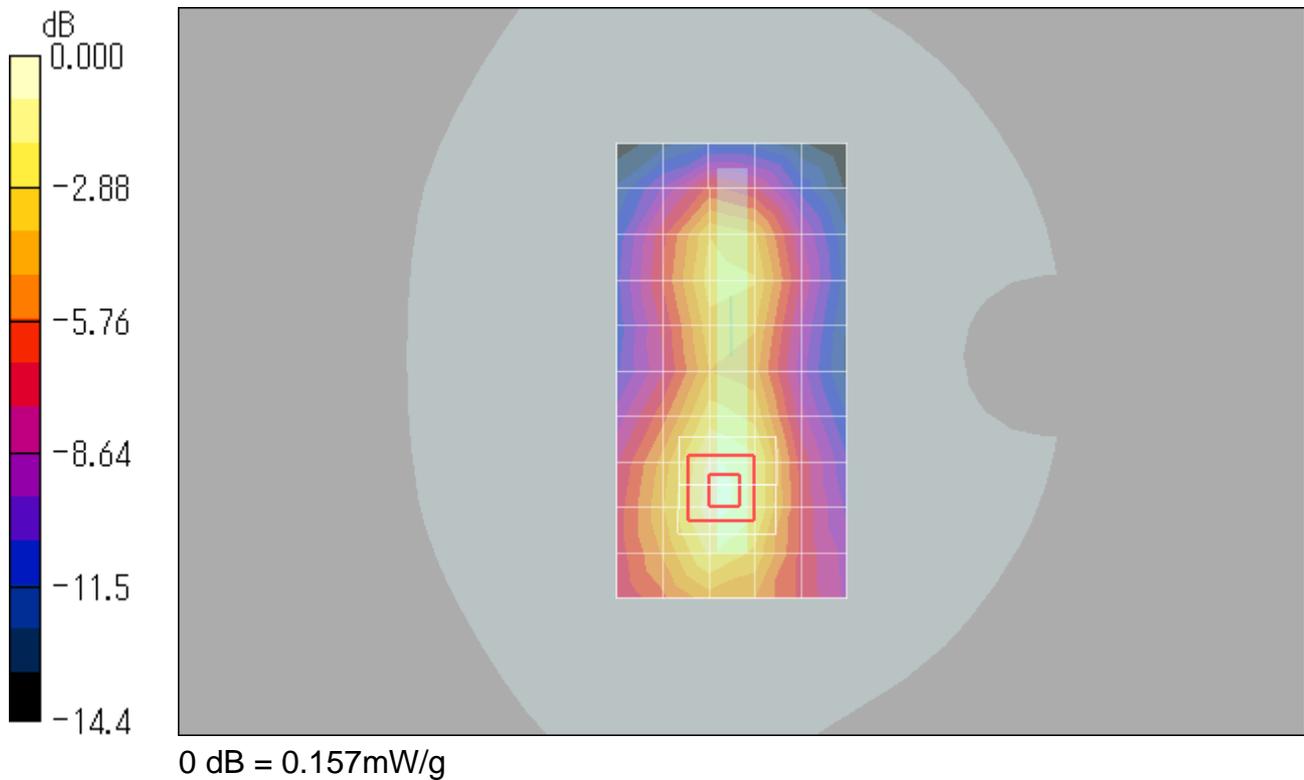
**Left Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.157 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Right Edge/Area Scan (6x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.045 mW/g

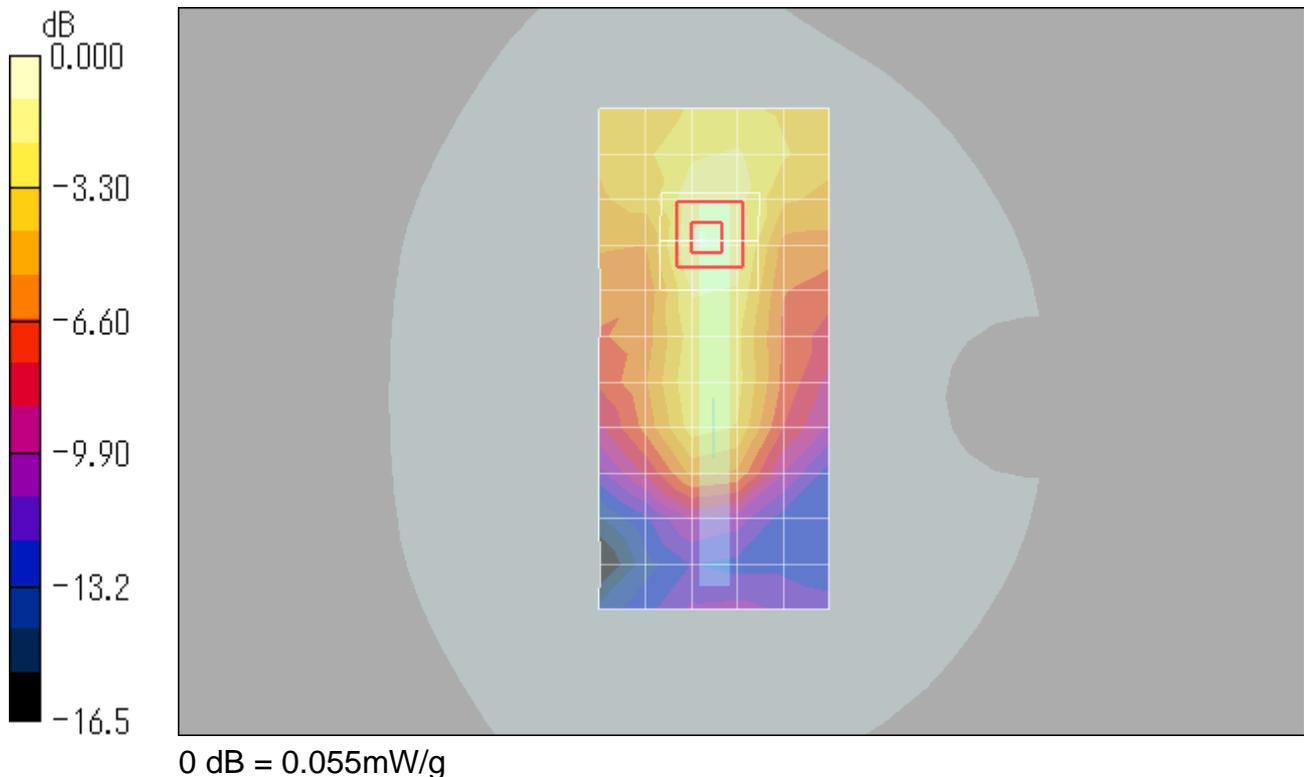
**Right Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.48 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.078 W/kg

**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.055 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

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

Maximum value of SAR (measured) = 0.305 mW/g

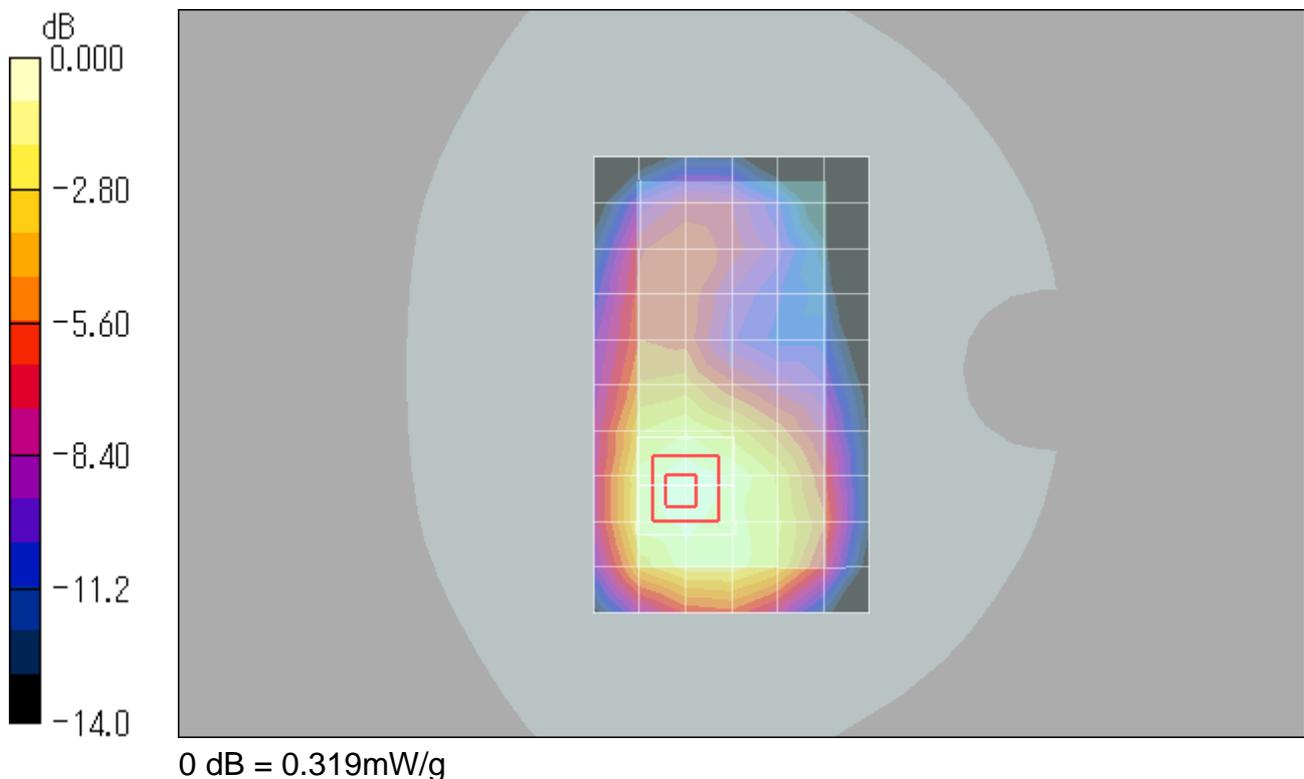
**Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.448 W/kg

**SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.189 mW/g**

Maximum value of SAR (measured) = 0.319 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.492 mW/g

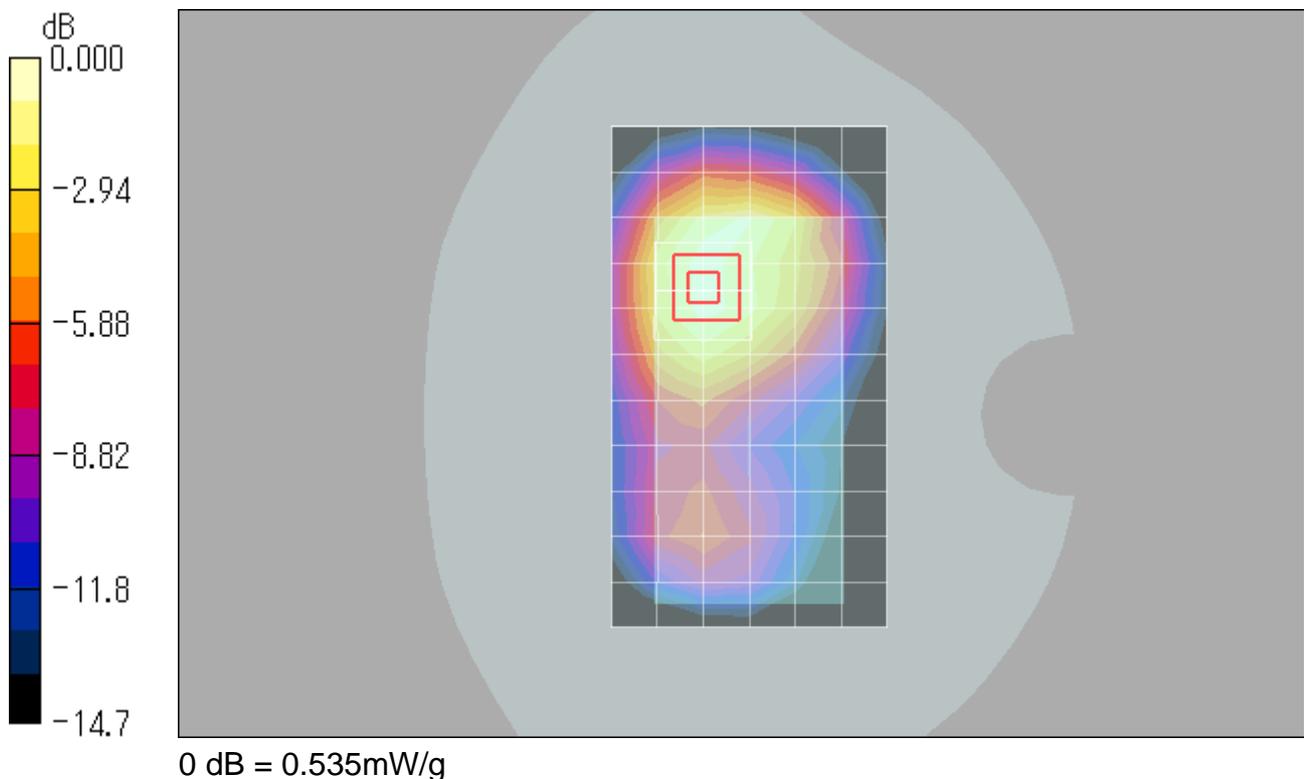
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.709 W/kg

**SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.306 mW/g**

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

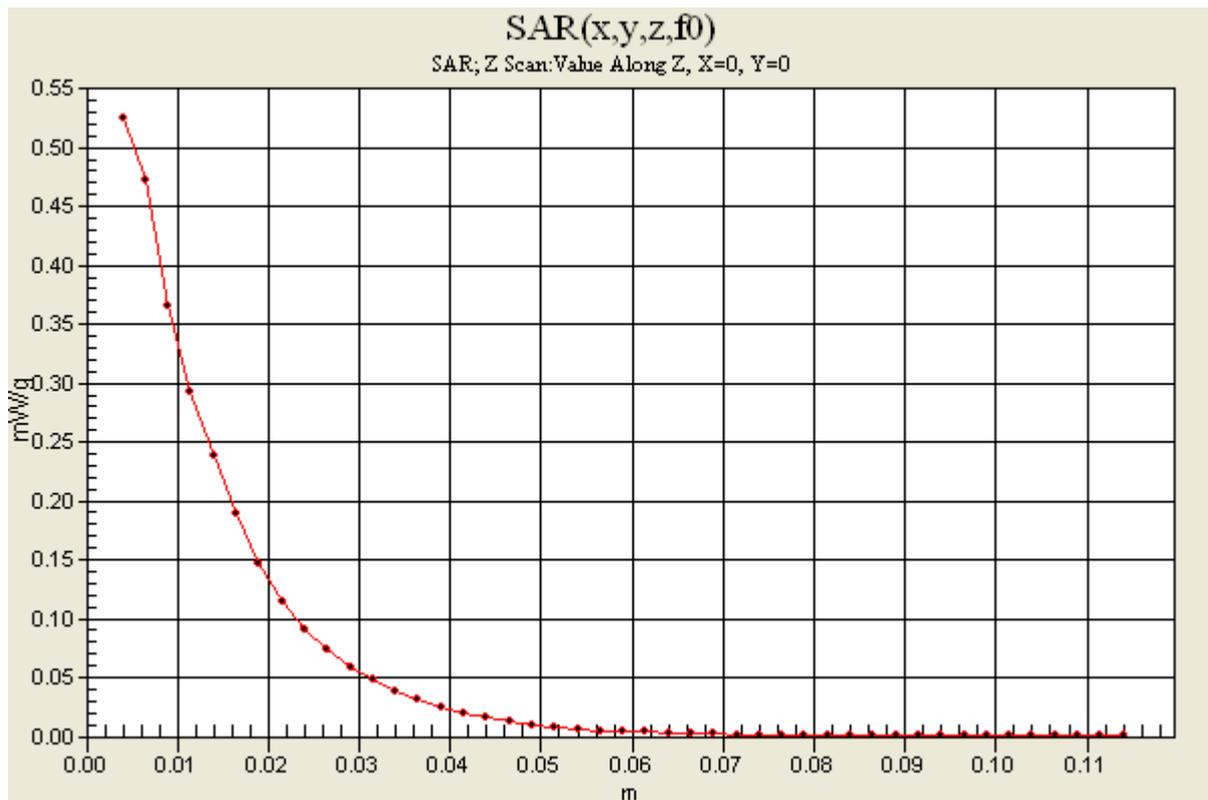
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.525 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side w/headset/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.463 mW/g

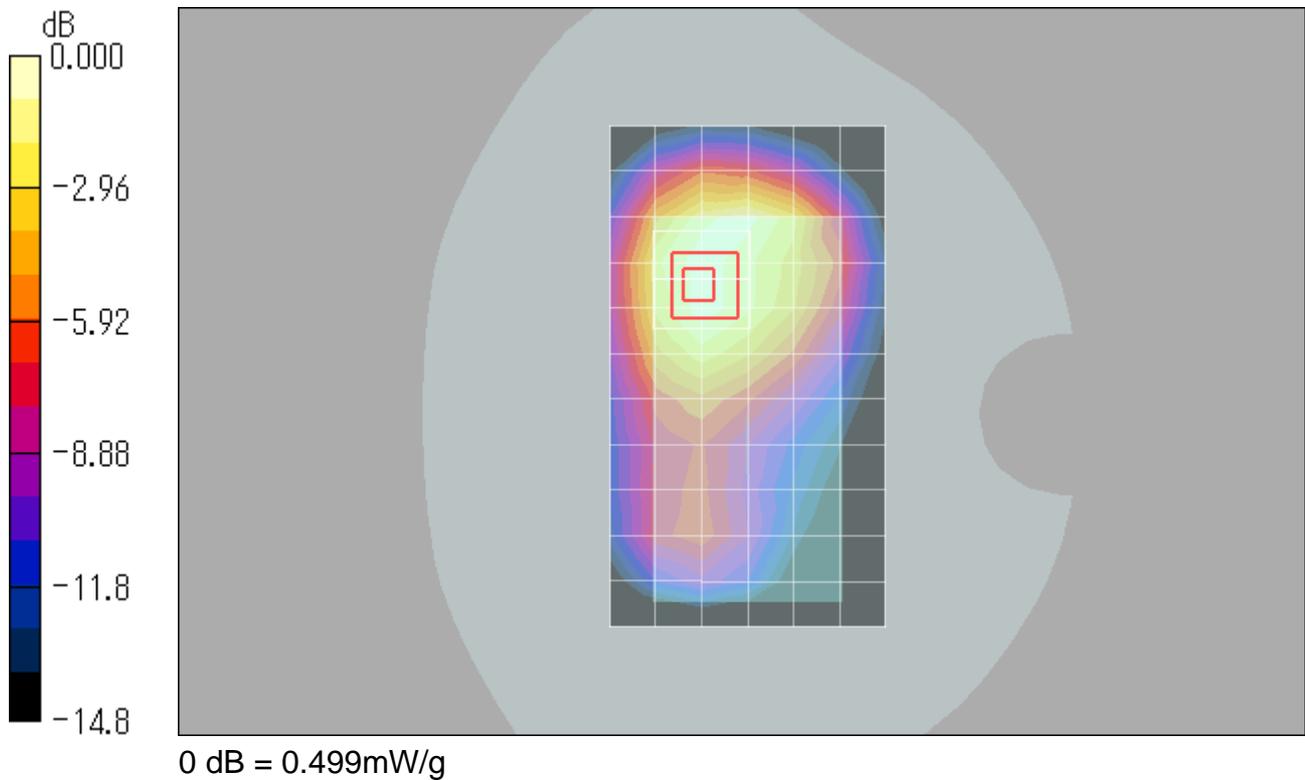
**Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.660 W/kg

**SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.285 mW/g**

Maximum value of SAR (measured) = 0.499 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.458 mW/g

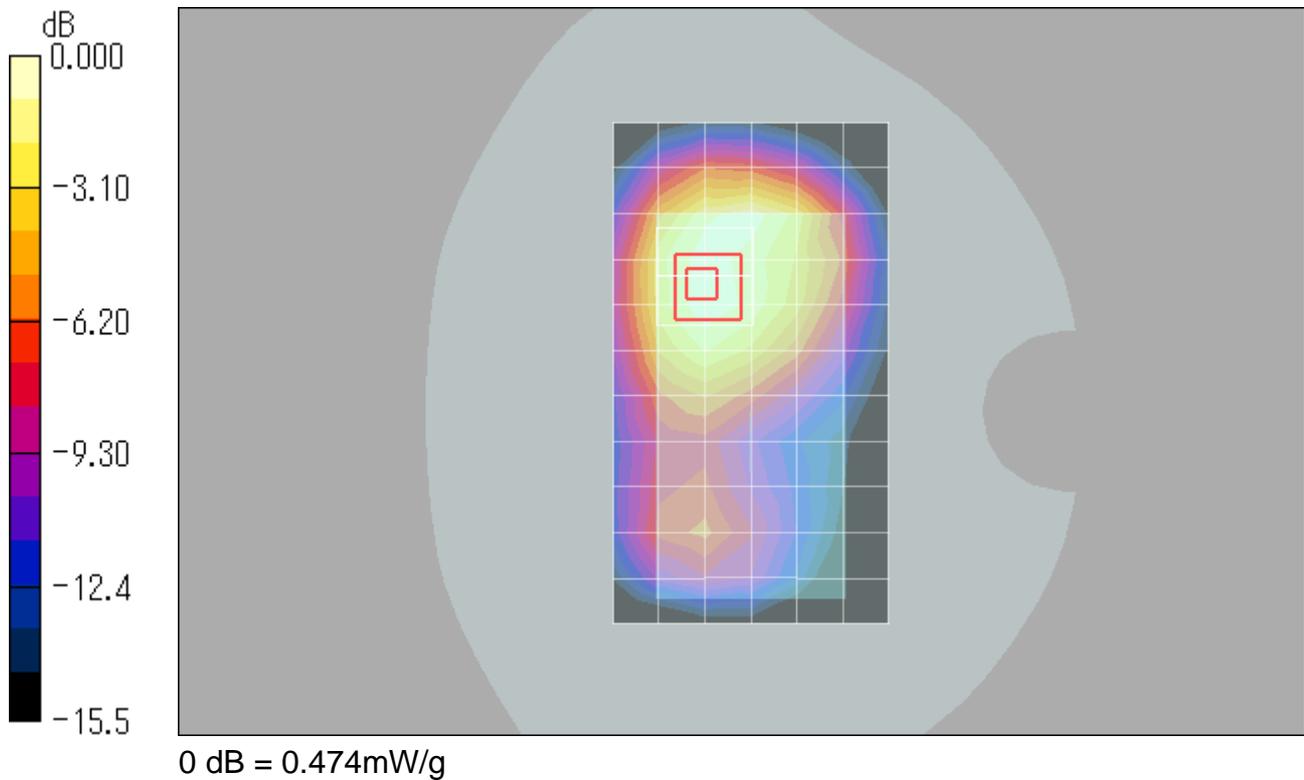
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.638 W/kg

**SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.275 mW/g**

Maximum value of SAR (measured) = 0.474 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

**DUT: Cellular Phone; Type: SH-04E; Serial: 004401114445386**

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

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: SAM; Type: QD 000 P40 CA; Serial: 1200

**Rear Side/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.403 mW/g

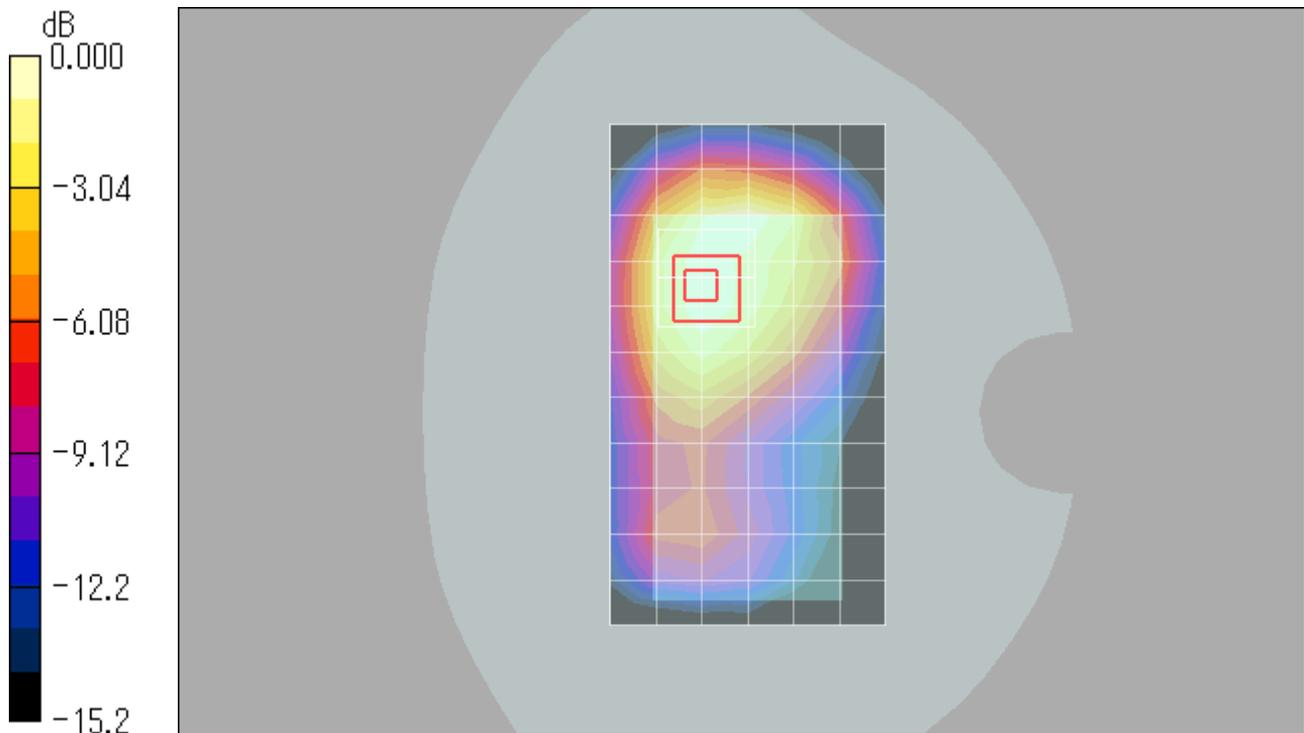
**Rear Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.563 W/kg

**SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.242 mW/g**

Maximum value of SAR (measured) = 0.413 mW/g



0 dB = 0.413mW/g