



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; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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

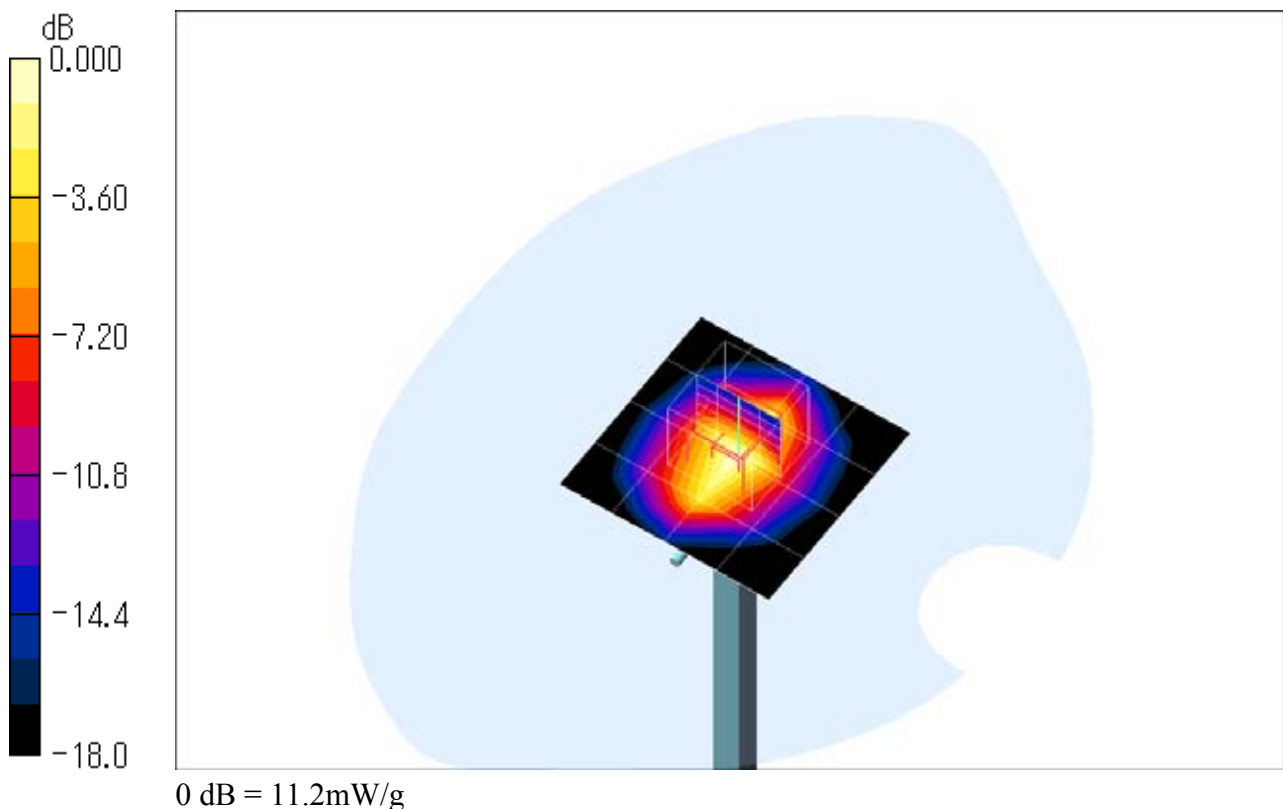
Maximum value of SAR (measured) = 11.2 mW/g

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

Reference Value = 93.2 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 9.92 mW/g; SAR(10 g) = 5.21 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; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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) = 12.4 mW/g

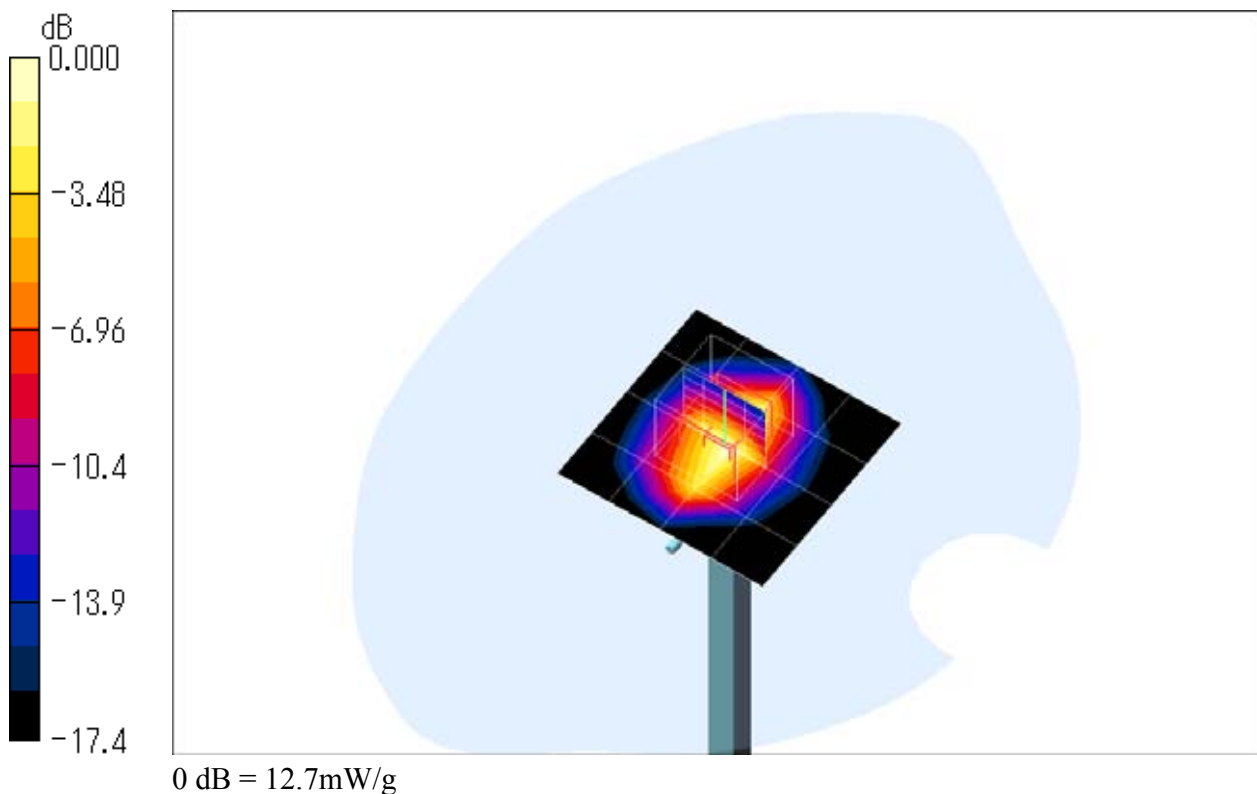
Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.4 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 11.2 mW/g; SAR(10 g) = 5.88 mW/g

Maximum value of SAR (measured) = 12.7 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; $\sigma = 1.87$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 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

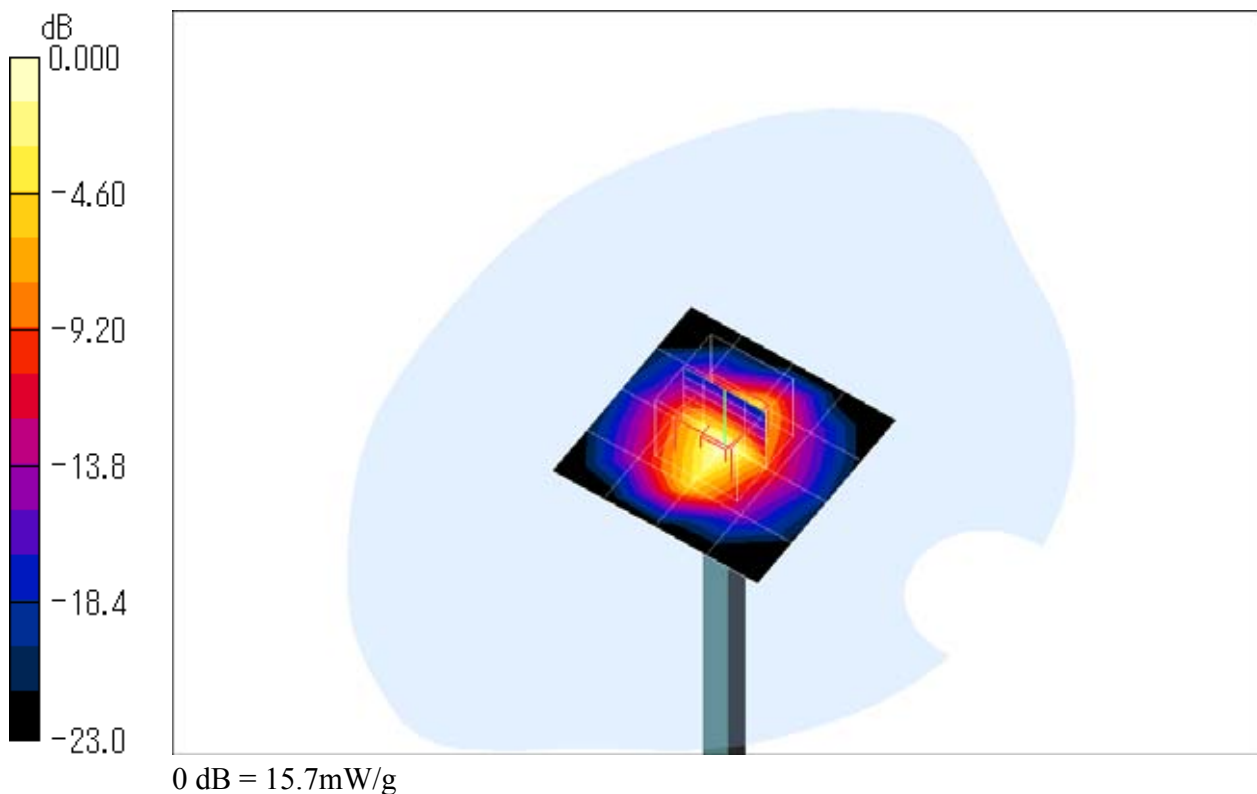
Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.7 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 30.1 W/kg

SAR(1 g) = 14 mW/g; SAR(10 g) = 6.36 mW/g

Maximum value of SAR (measured) = 15.7 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Body 2450 MHz)

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

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

Medium: MSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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) = 15.1 mW/g

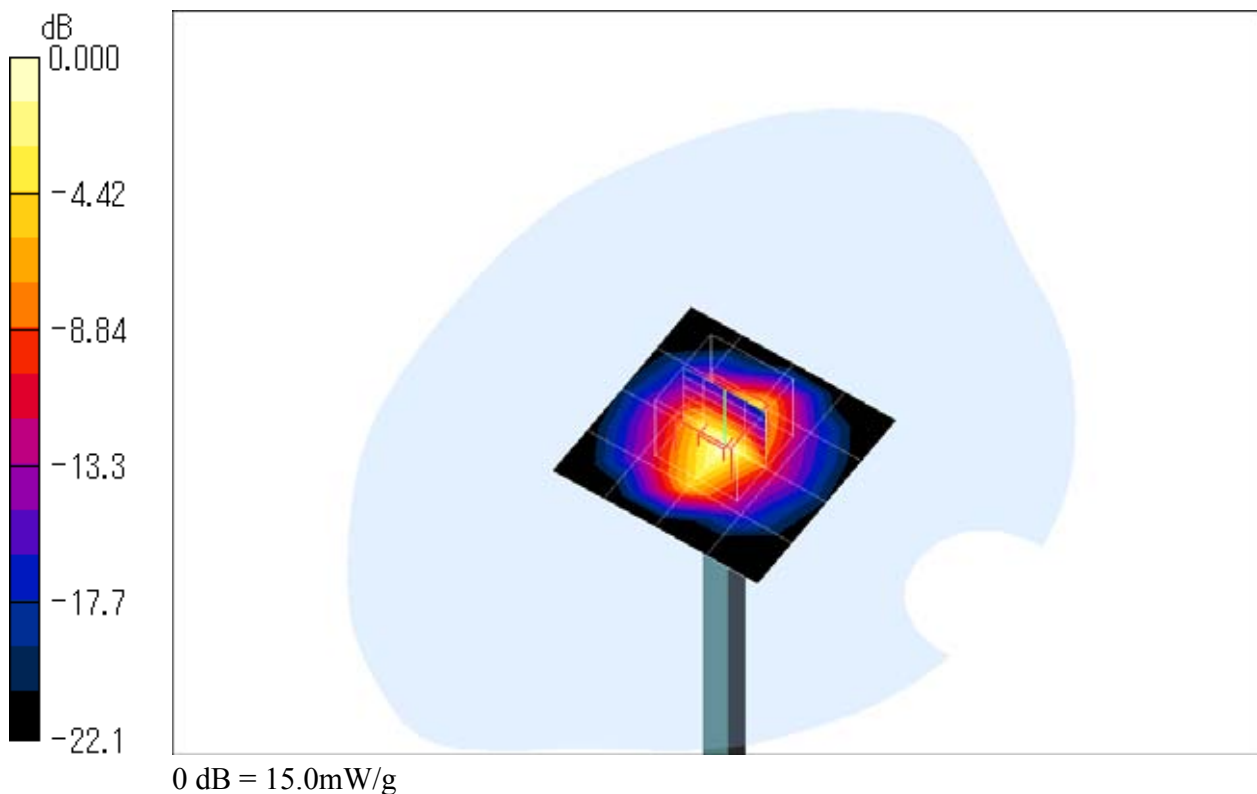
Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.8 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 27.7 W/kg

SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.13 mW/g

Maximum value of SAR (measured) = 15.0 mW/g





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

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.172 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 = 7.21 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.163 mW/g

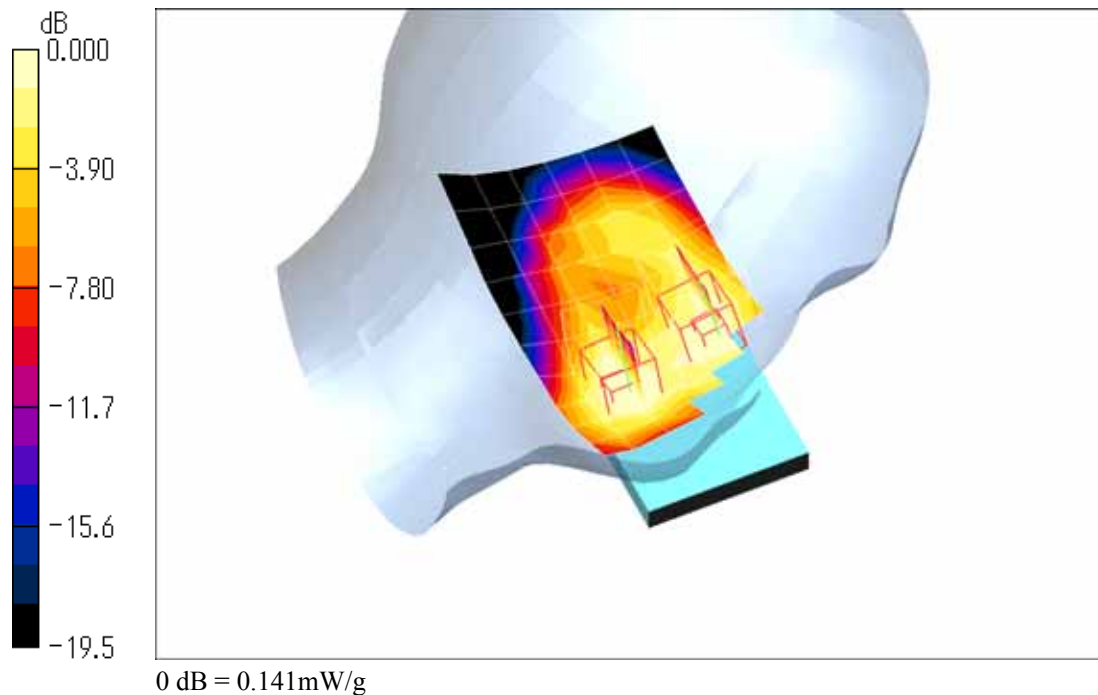
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.21 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.141 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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) = 0.104 mW/g

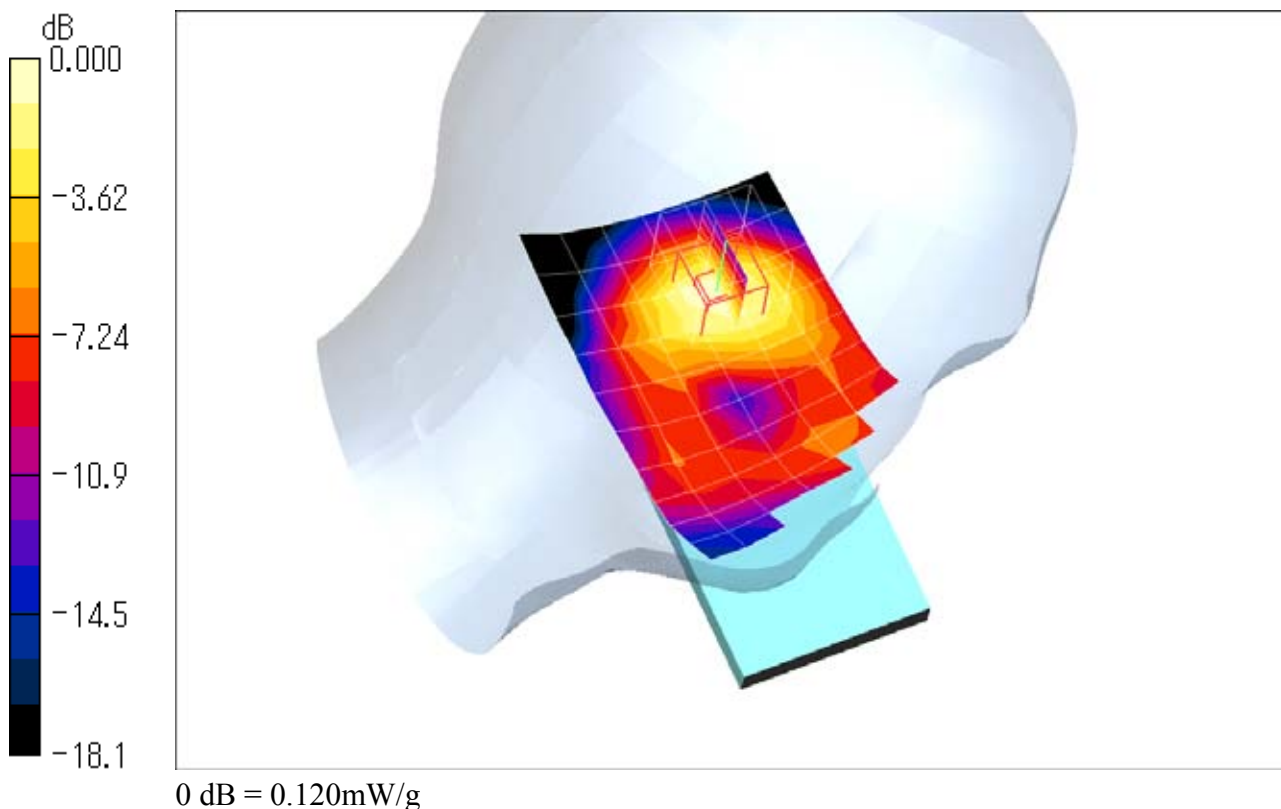
Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.80 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR (measured) = 0.120 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 512ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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) = 0.269 mW/g

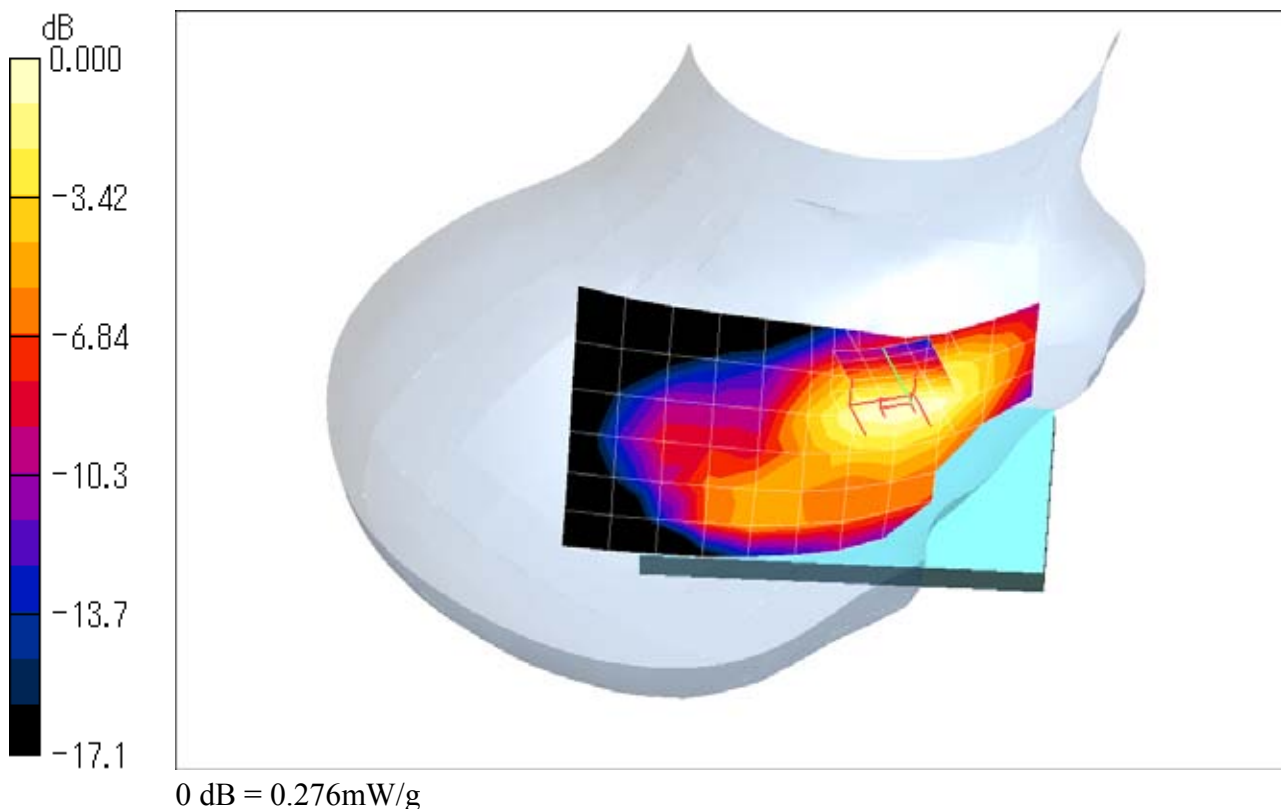
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.86 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (measured) = 0.276 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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) = 0.290 mW/g

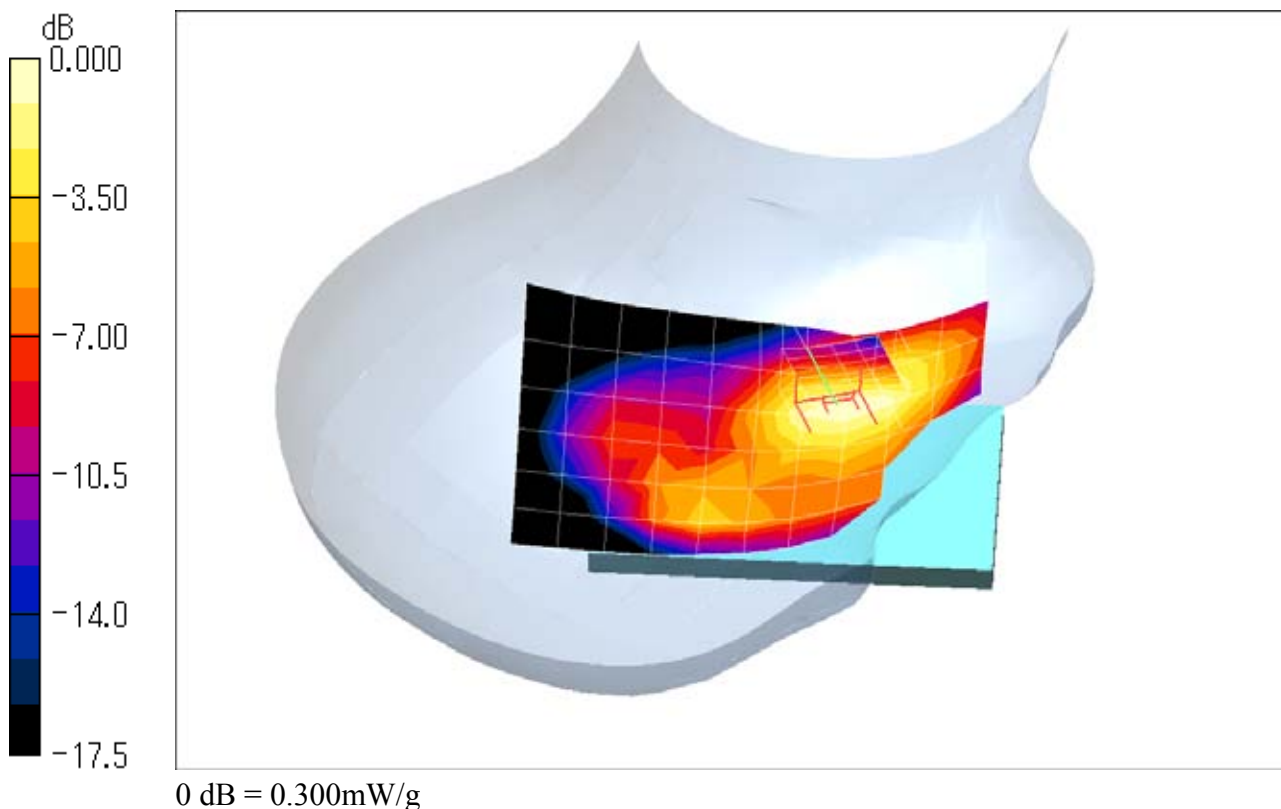
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.87 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.171 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 810ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.333 mW/g

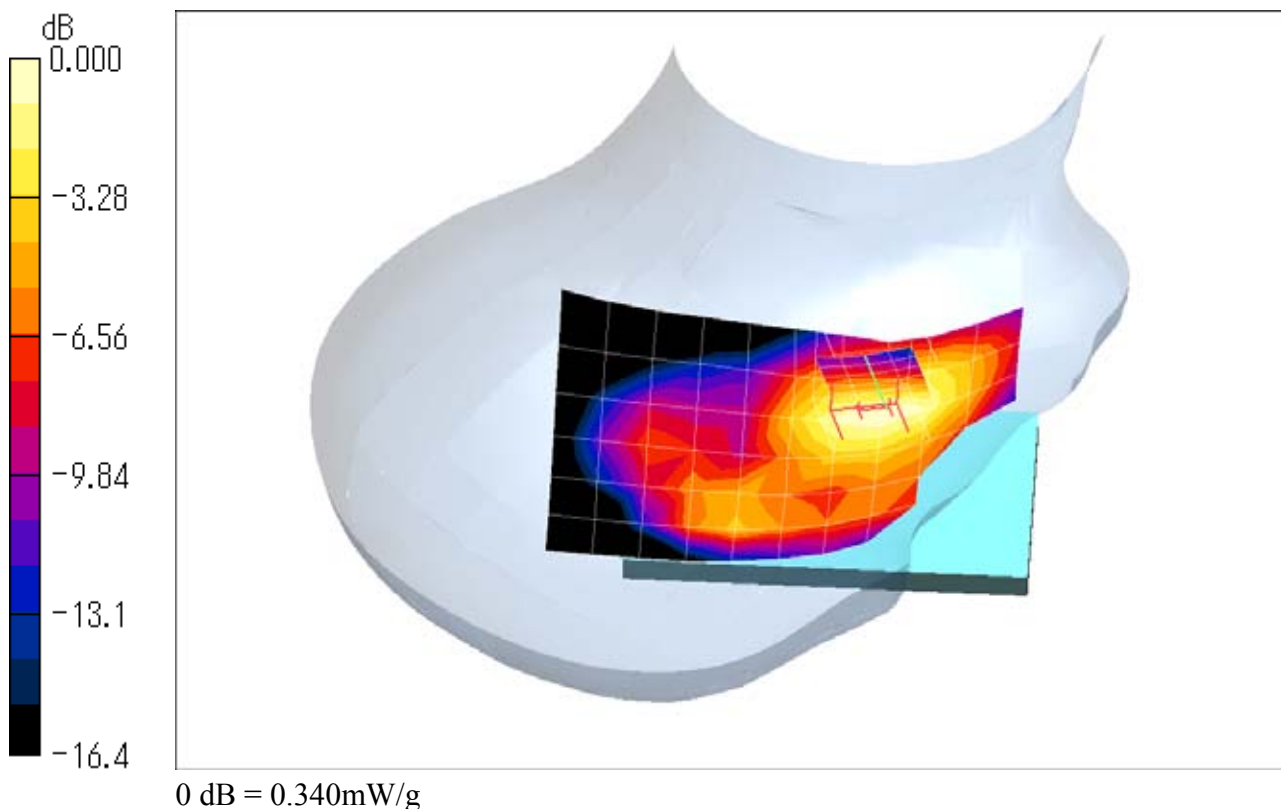
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.36 V/m ; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.315 mW/g ; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 0.340 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 810ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

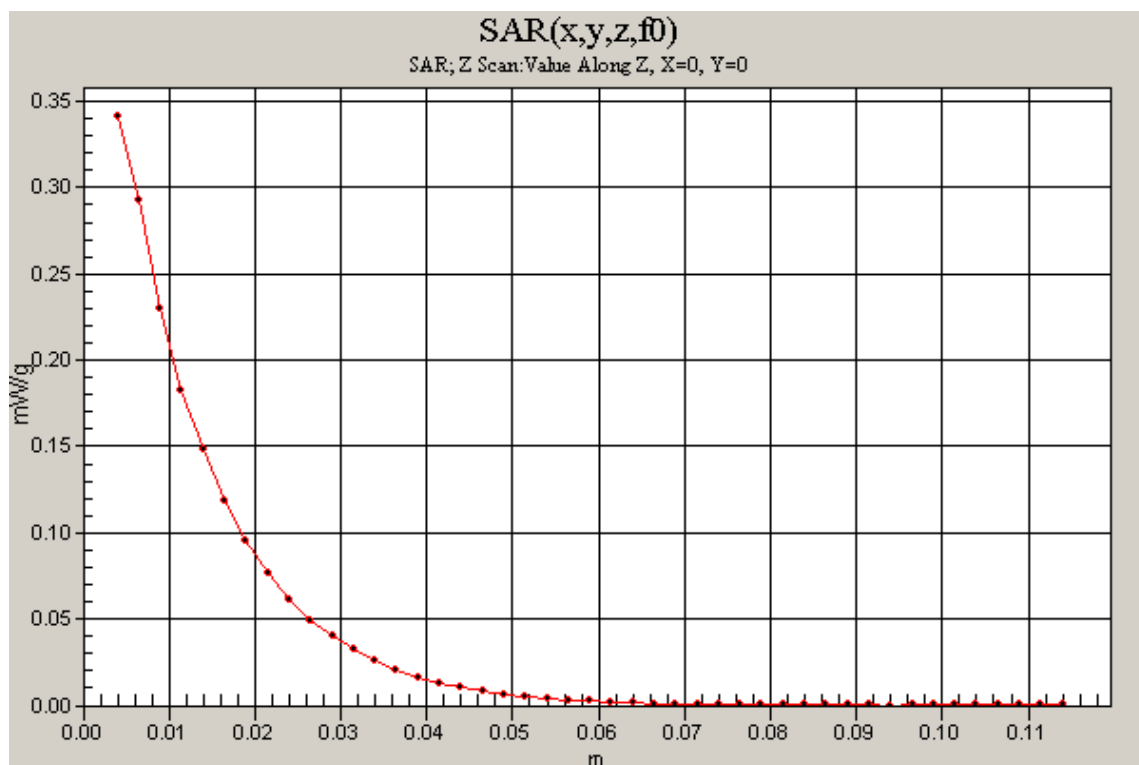
Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$
Maximum value of SAR (measured) = 0.341 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.93, 4.93, 4.93); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.083 mW/g

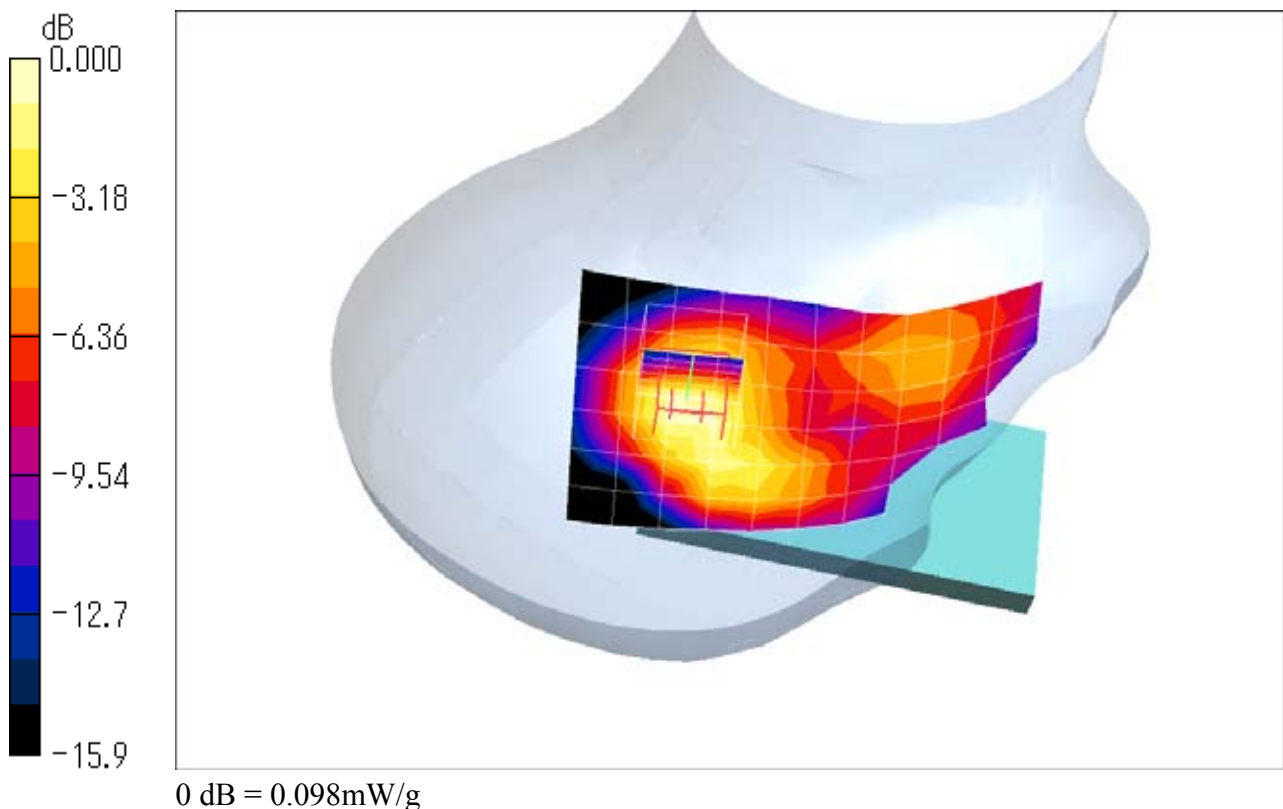
Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.33 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.054 mW/g

Maximum value of SAR (measured) = 0.098 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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

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

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

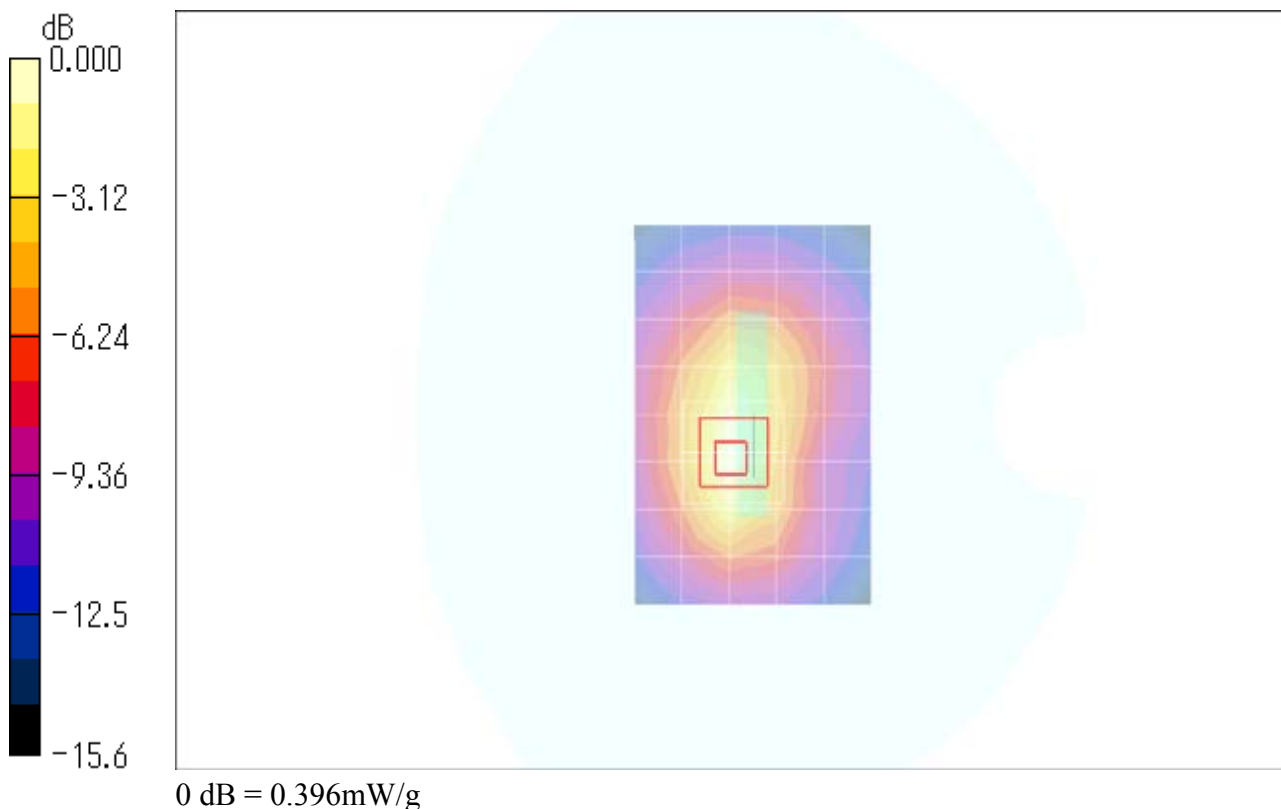
Bottom Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.7 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.198 mW/g

Maximum value of SAR (measured) = 0.396 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: M1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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

Left Edge/Area Scan (6x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

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

Reference Value = 7.05 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.096 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.036 mW/g

Maximum value of SAR (measured) = 0.065 mW/g

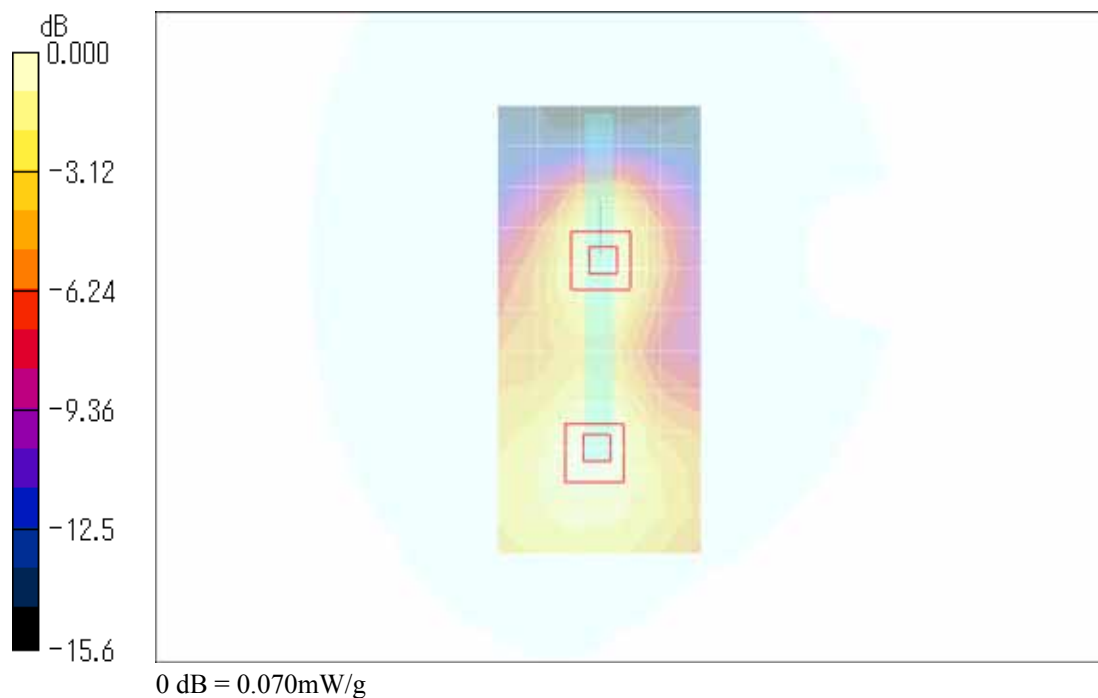
Left Edge/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.05 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.102 W/kg

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.070 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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 (6x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.177 mW/g

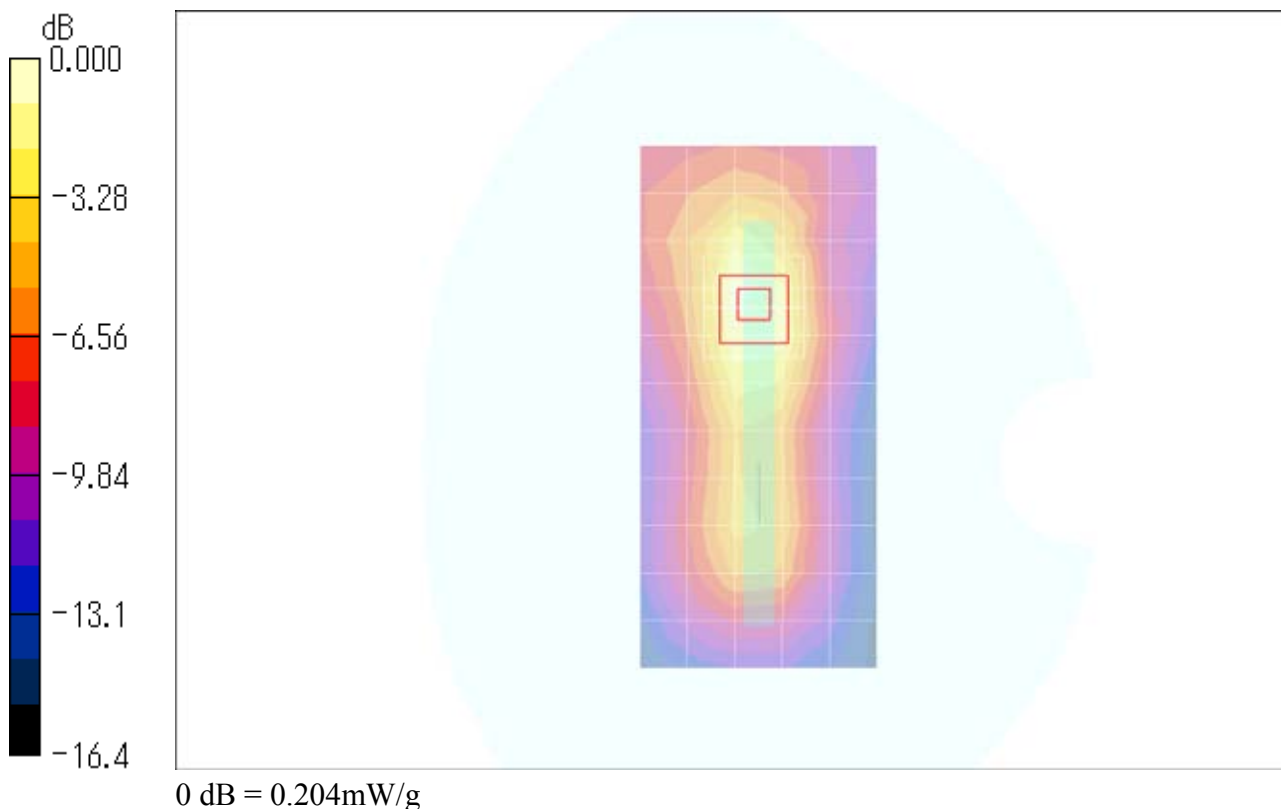
Right Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.204 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.295 mW/g

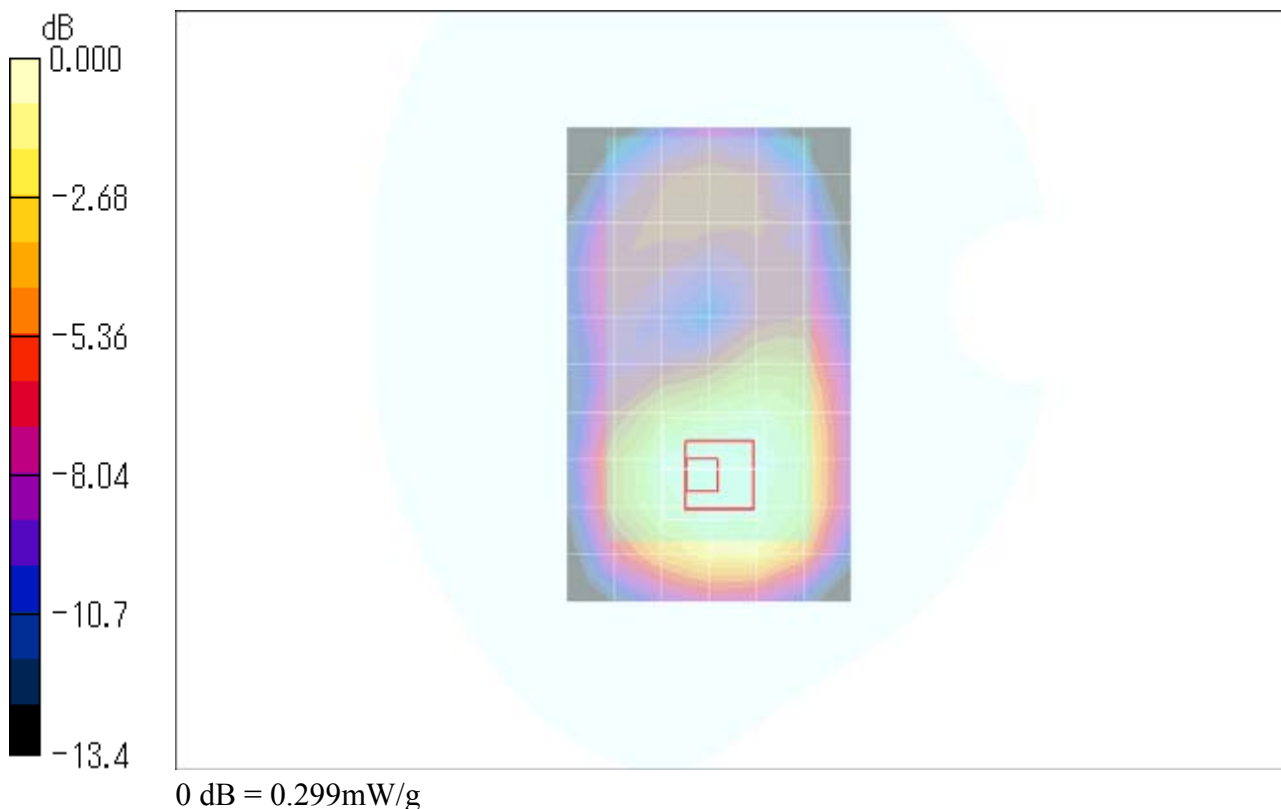
Front Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.431 W/kg

SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.299 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 512ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: M1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.462 mW/g

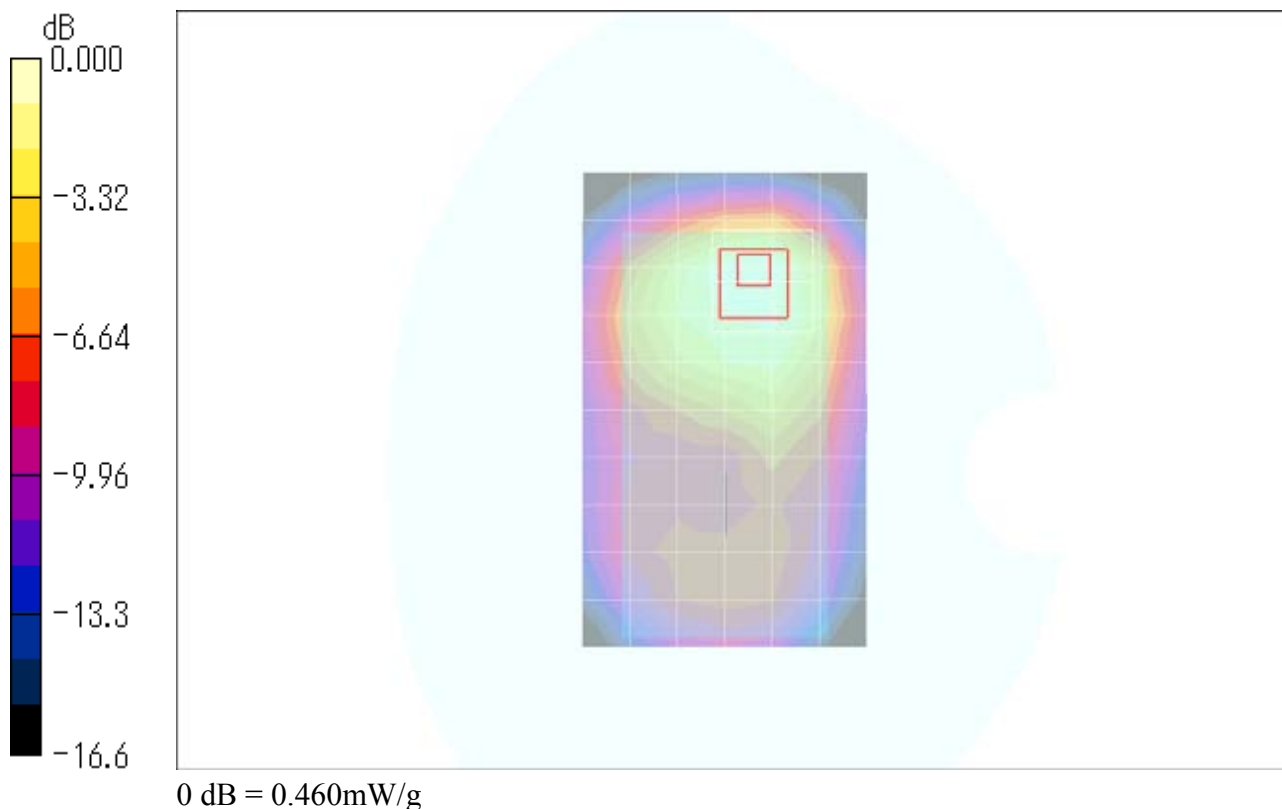
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.5 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.460 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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) = 0.507 mW/g

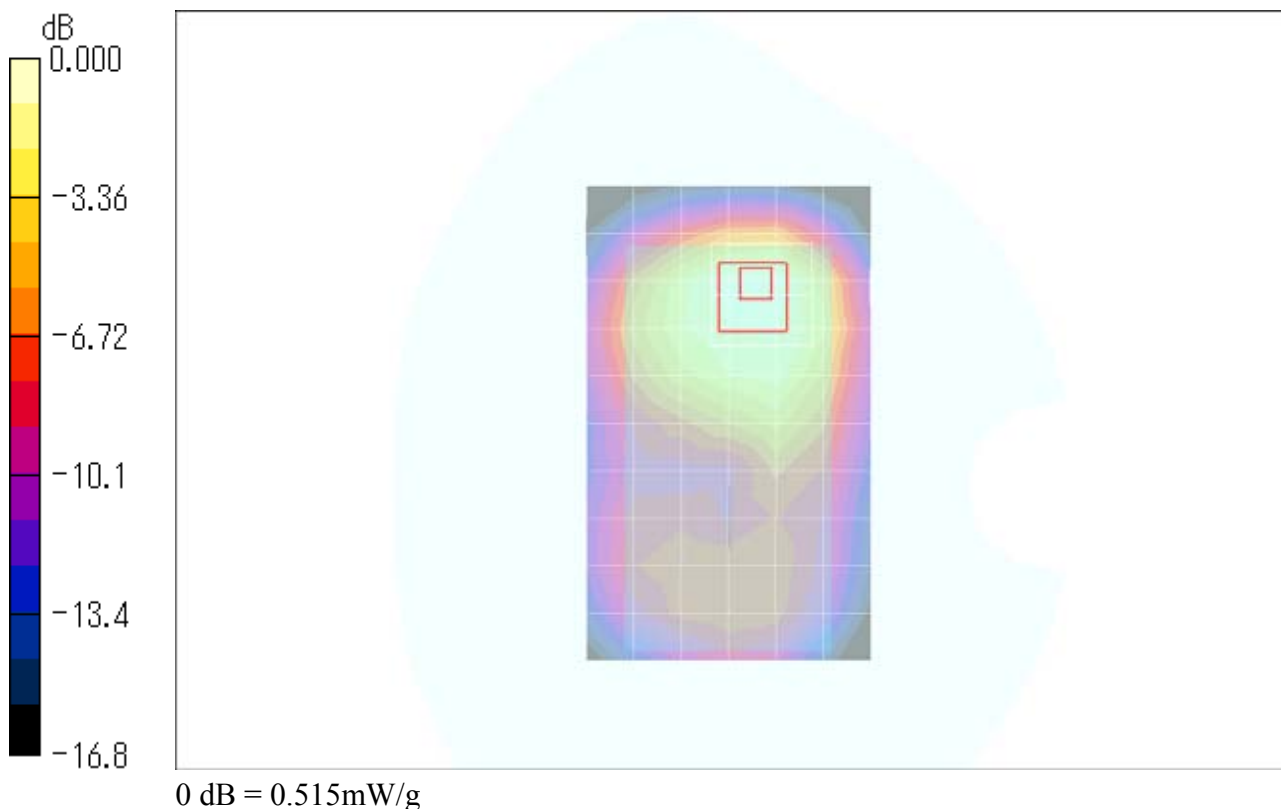
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.847 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.295 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 810ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: M1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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) = 0.586 mW/g

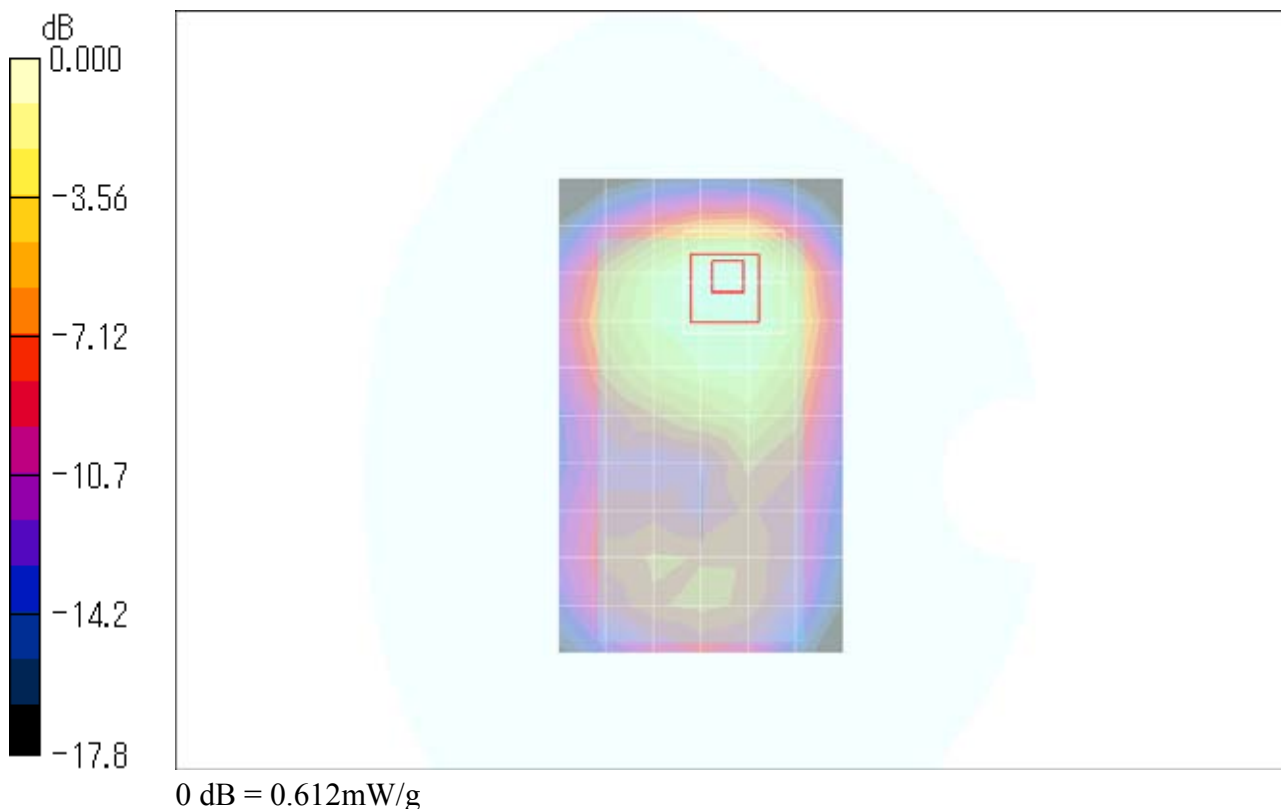
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.3 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.993 W/kg

SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.339 mW/g

Maximum value of SAR (measured) = 0.612 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 810ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4**

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

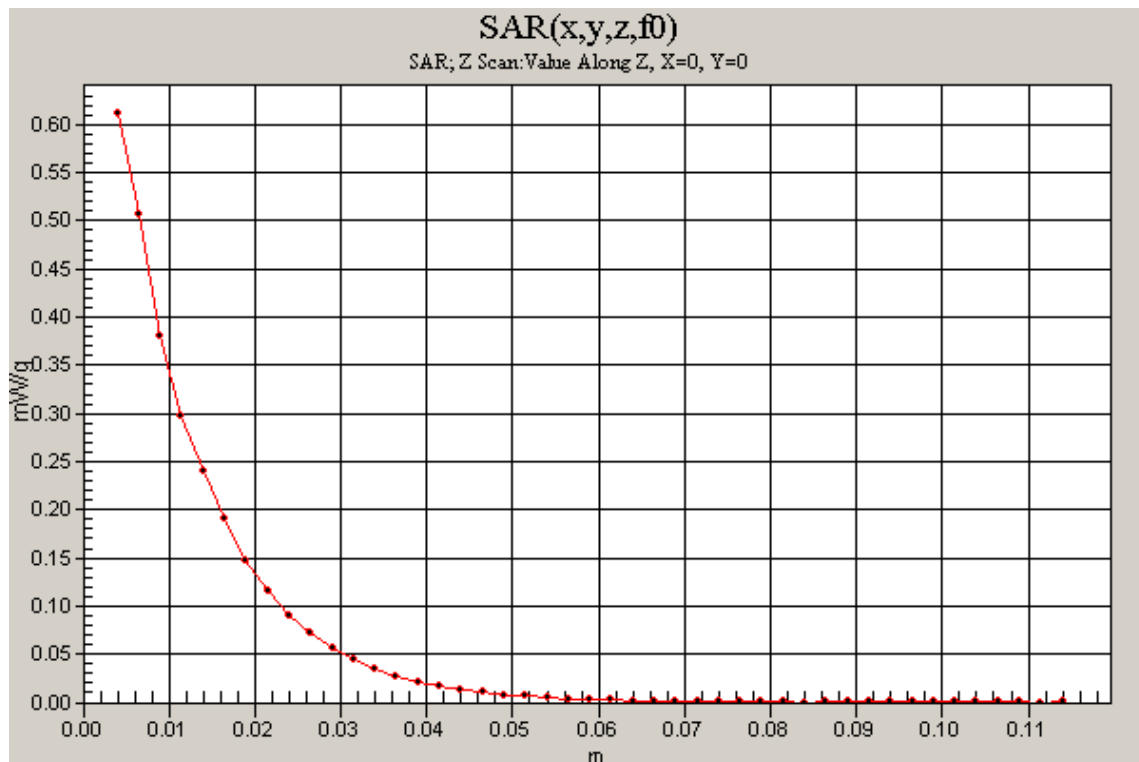
Medium: M1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$ Maximum value of SAR (measured) = 0.611 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 810ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: M1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.43, 4.43, 4.43); Calibrated: 2011/08/18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: 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 w/headset/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.584 mW/g

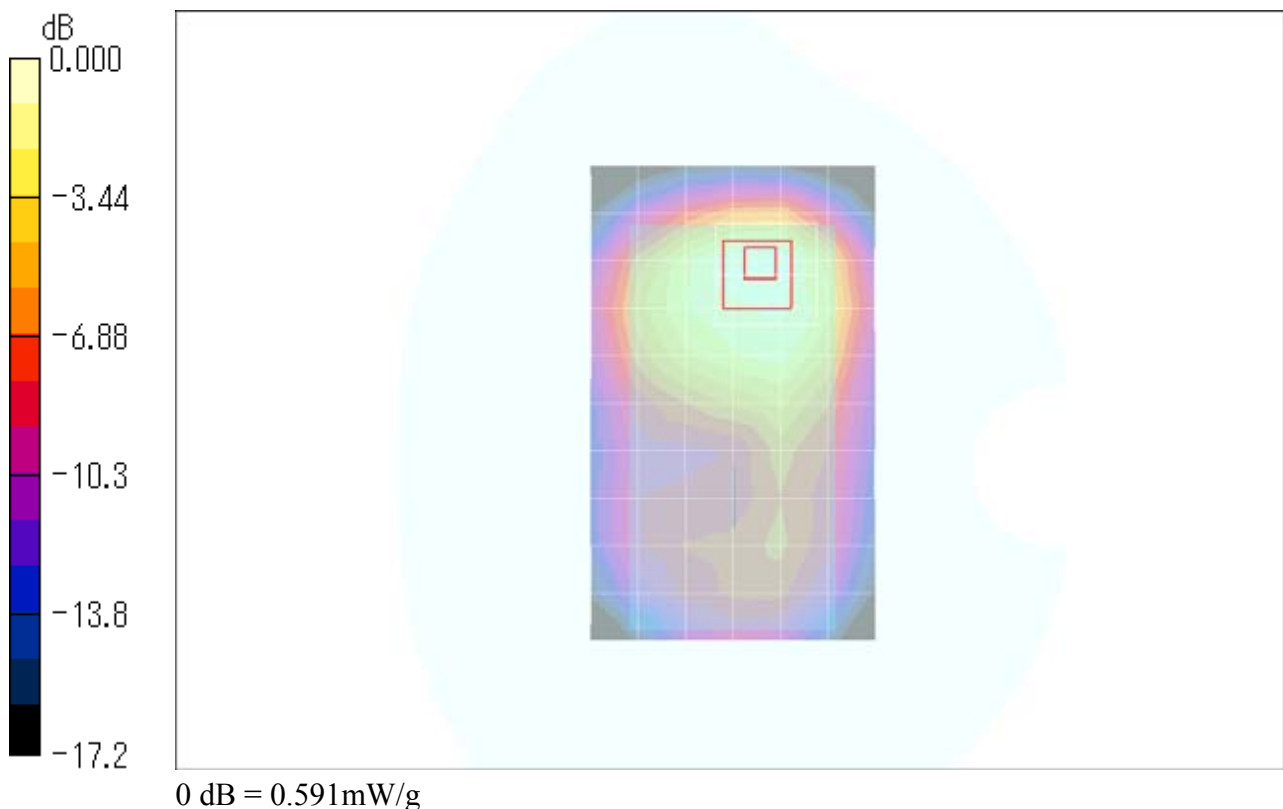
Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.9 V/m ; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.988 W/kg

SAR(1 g) = 0.571 mW/g ; SAR(10 g) = 0.336 mW/g

Maximum value of SAR (measured) = 0.591 mW/g





Attachment 2-2 – SAR Test Plots (WLAN)

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 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) = 0.075 mW/g

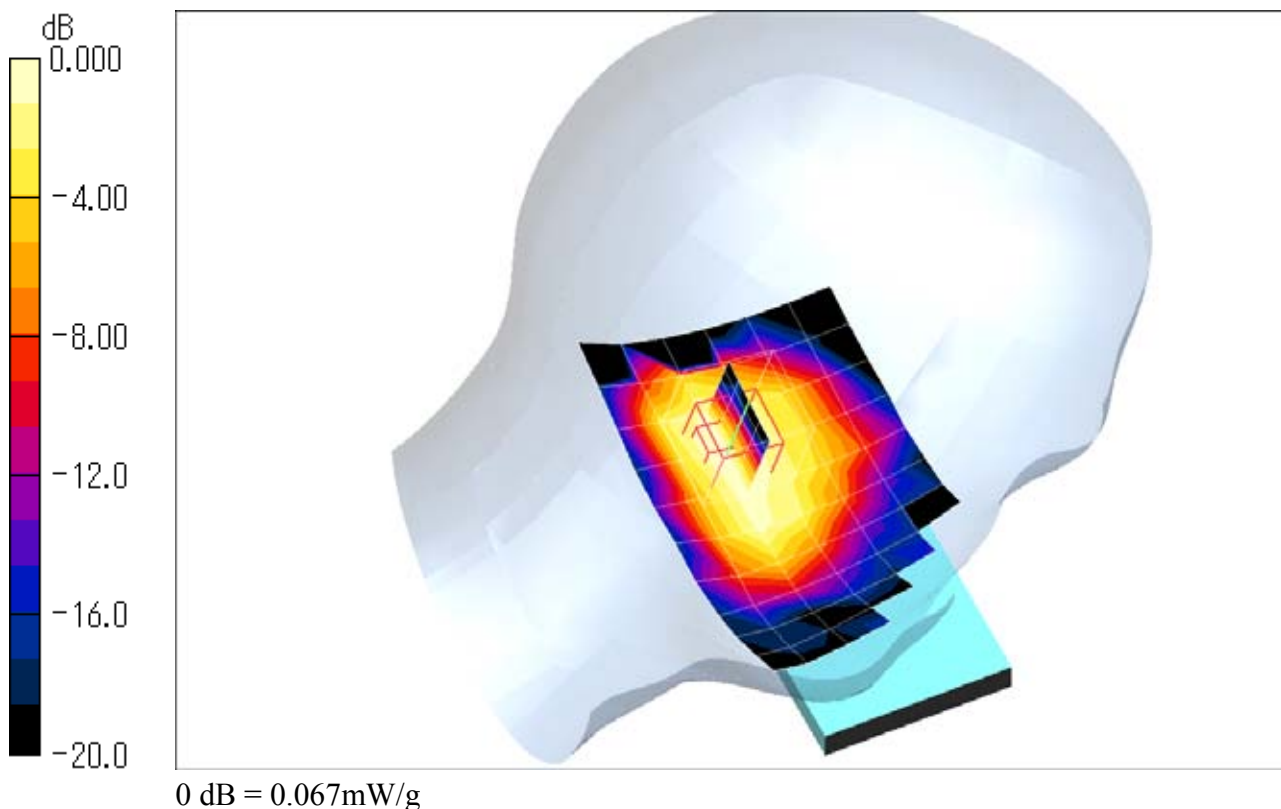
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.42 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.067 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 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

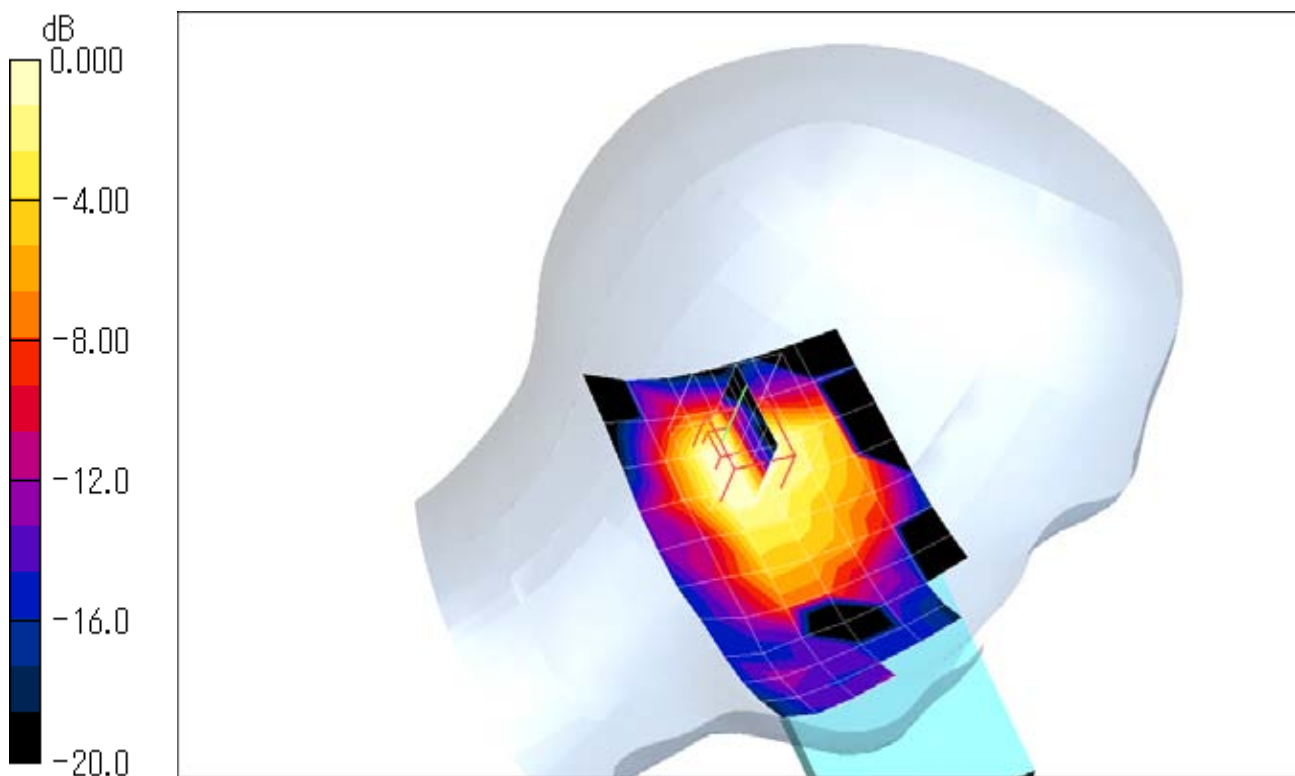
Maximum value of SAR (measured) = 0.034 mW/g

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

Reference Value = 3.98 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.059 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.015 mW/g



0 dB = 0.034mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 1ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.82$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 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 (17x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

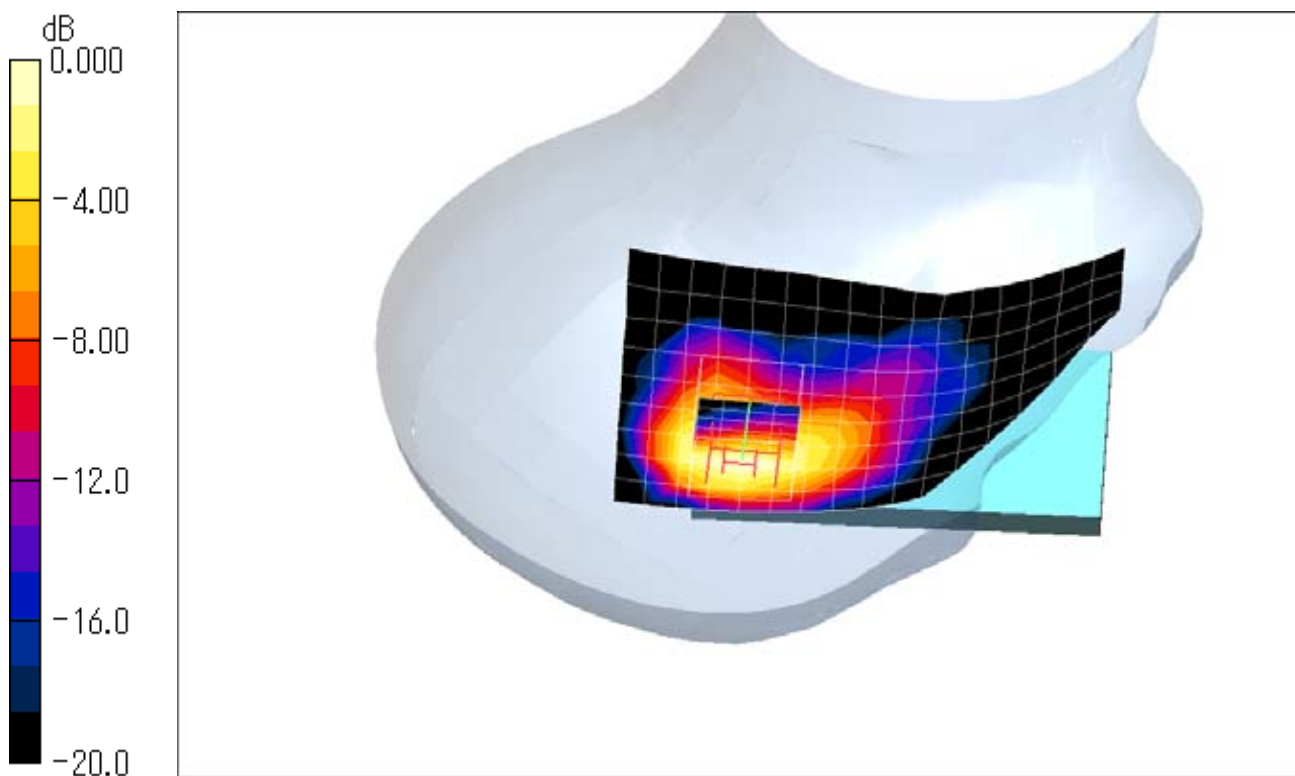
Maximum value of SAR (measured) = 0.190 mW/g

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

Reference Value = 5.86 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.080 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 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 (17x10x1): Measurement grid: dx=10mm, dy=10mm

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

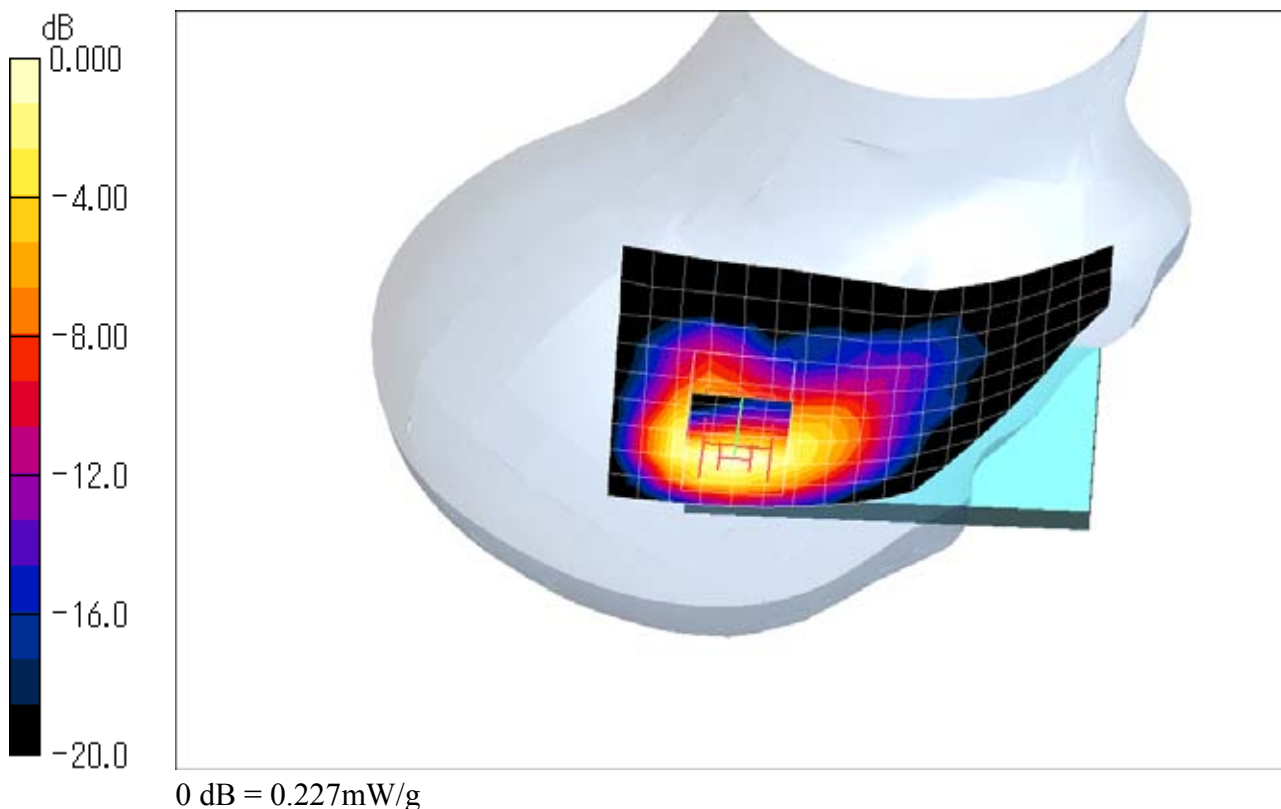
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.35 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.227 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 11ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 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 (17x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.290 mW/g

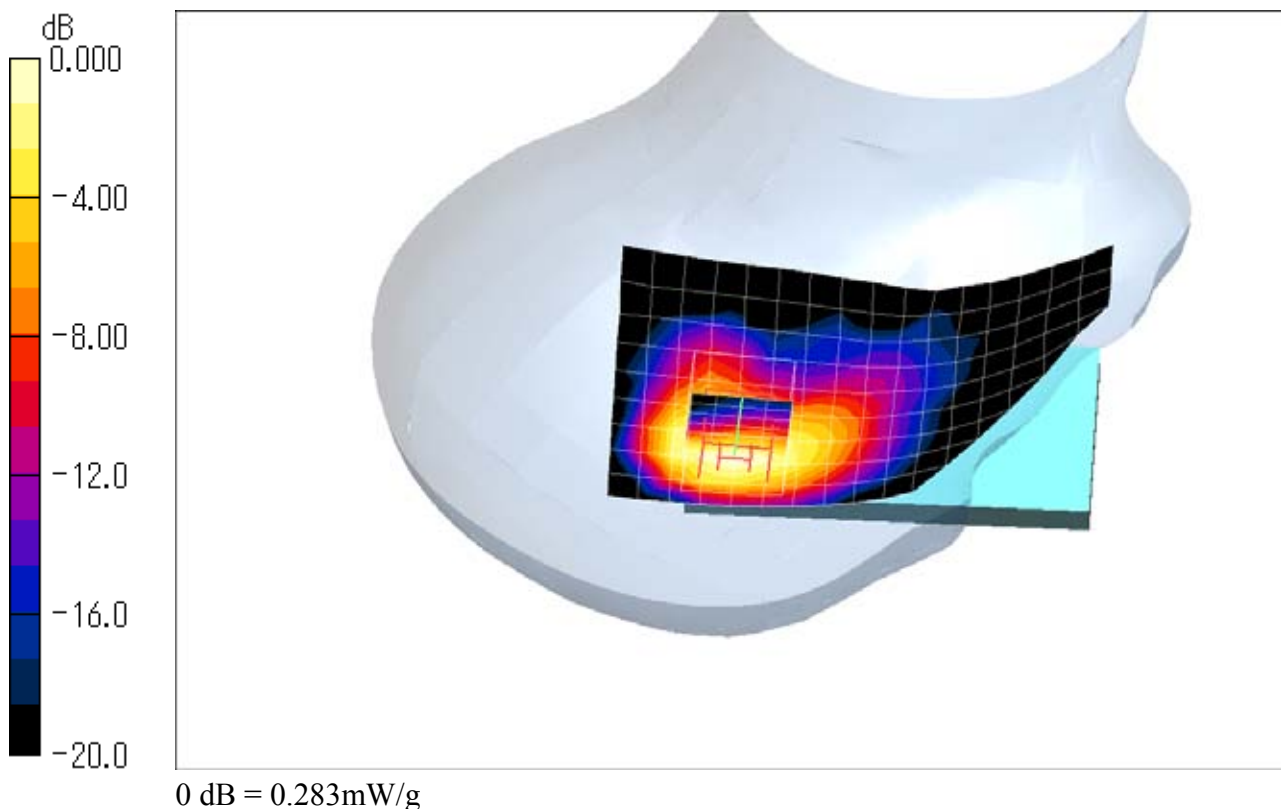
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.80 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.283 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 11ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 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 (17x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.290 mW/g

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

Reference Value = 6.80 V/m; Power Drift = -0.110 dB

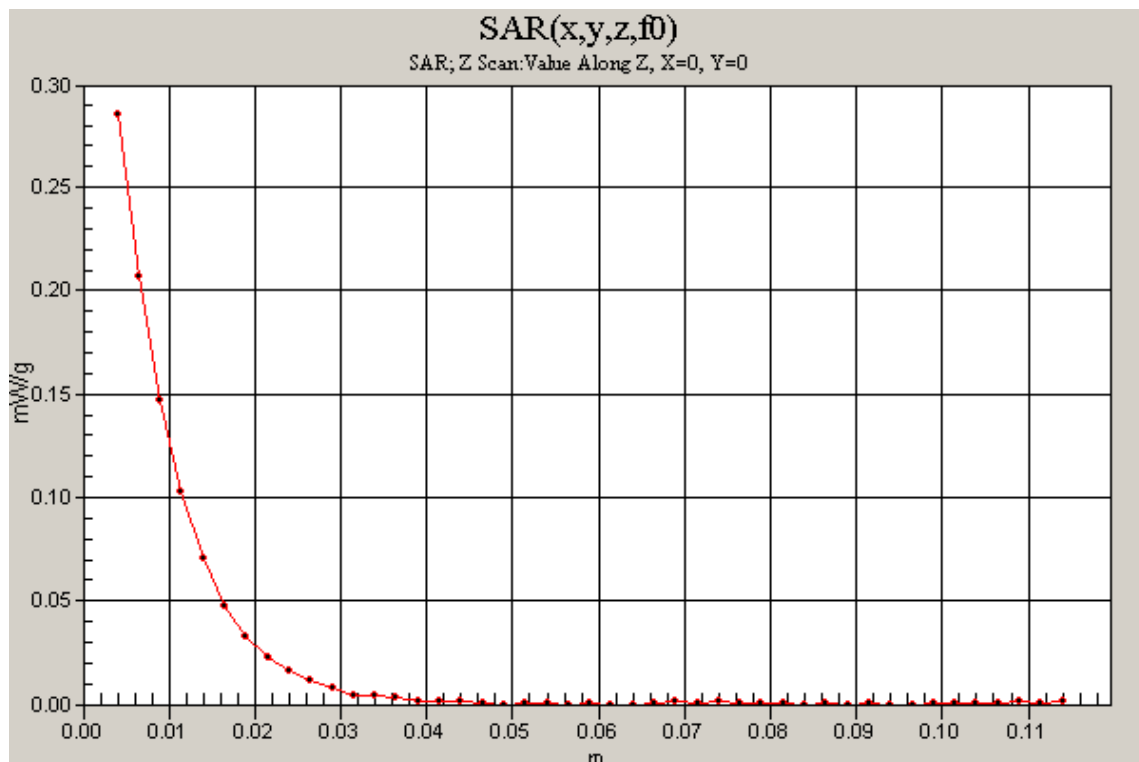
Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.283 mW/g

Cheek/Touch Position/Z Scan (1x1x45): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.07, 7.07, 7.07); Calibrated: 2011/09/02
- Sensor-Surface: 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 (17x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.156 mW/g

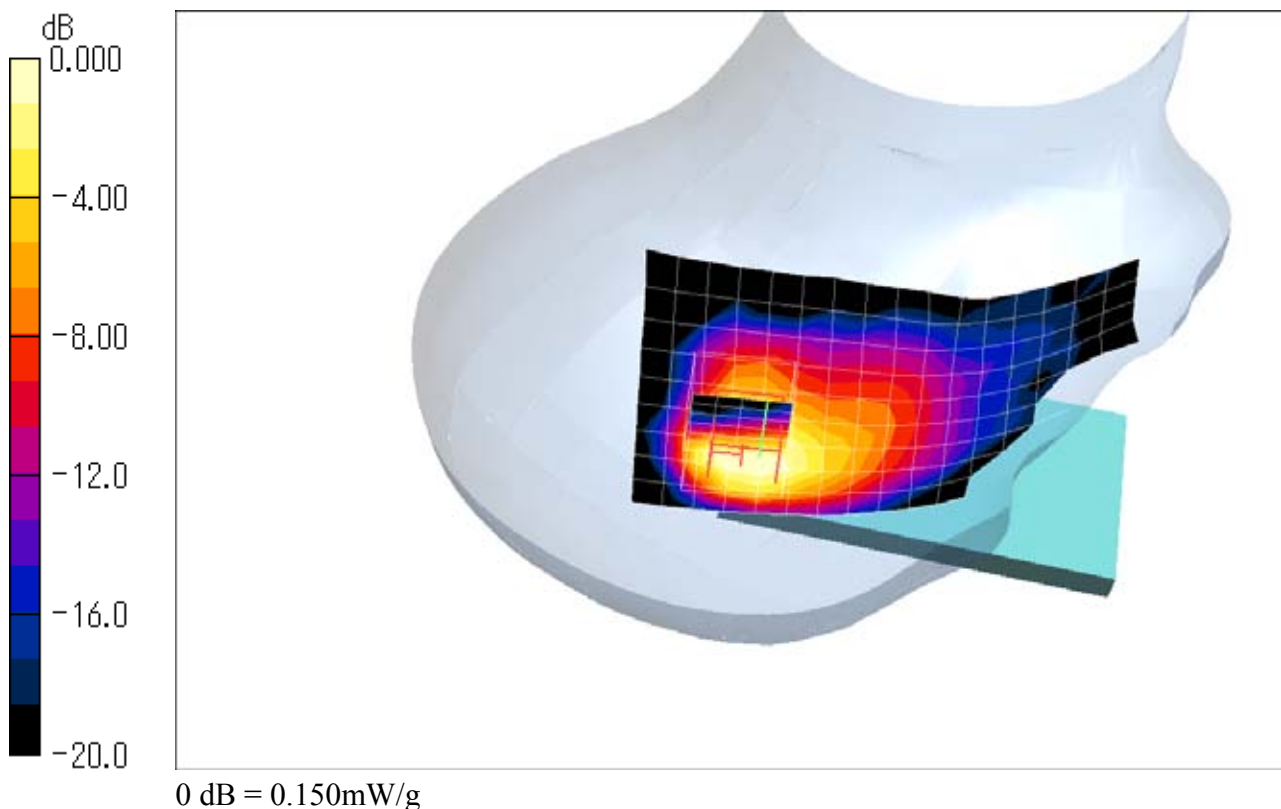
Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.73 V/m; Power Drift = 0.112 dB

Peak SAR (extrapolated) = 0.369 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.150 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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 (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.018 mW/g

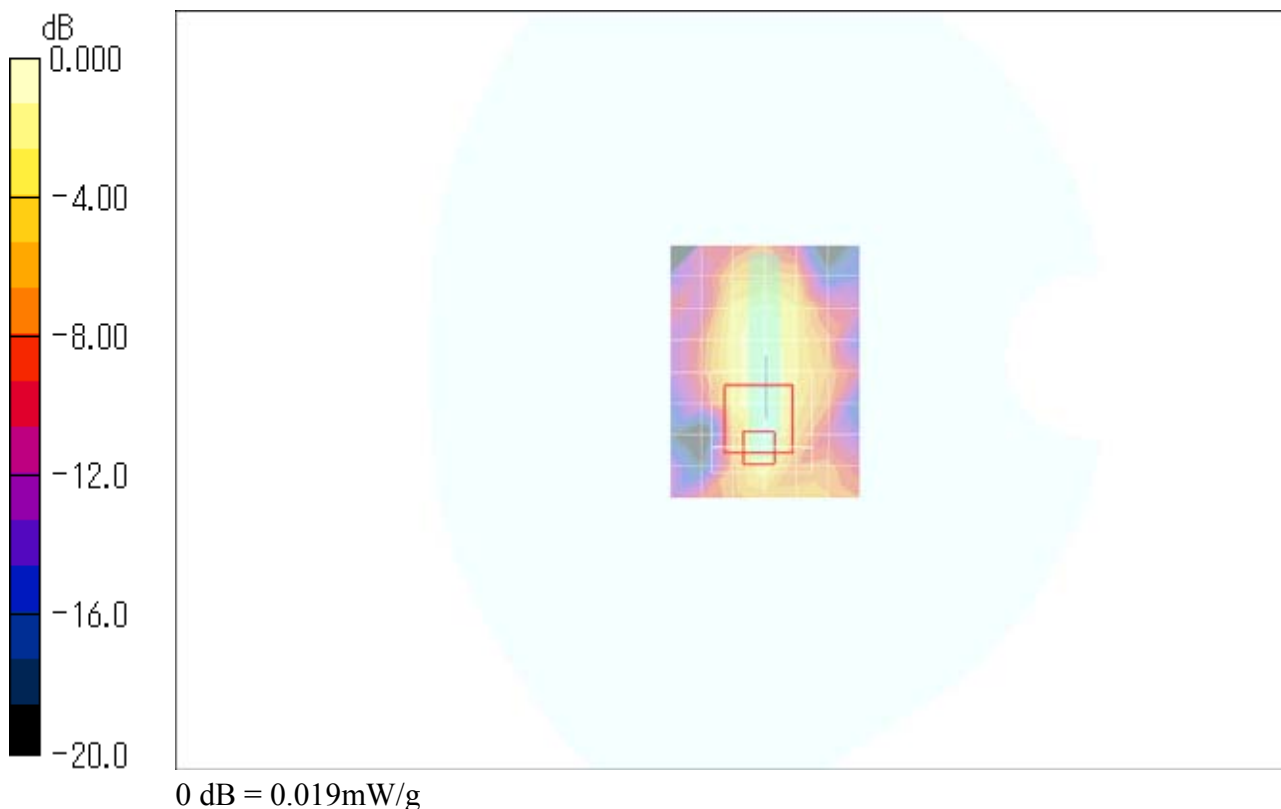
Top Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.83 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 0.032 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00602 mW/g

Maximum value of SAR (measured) = 0.019 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 1ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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

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

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

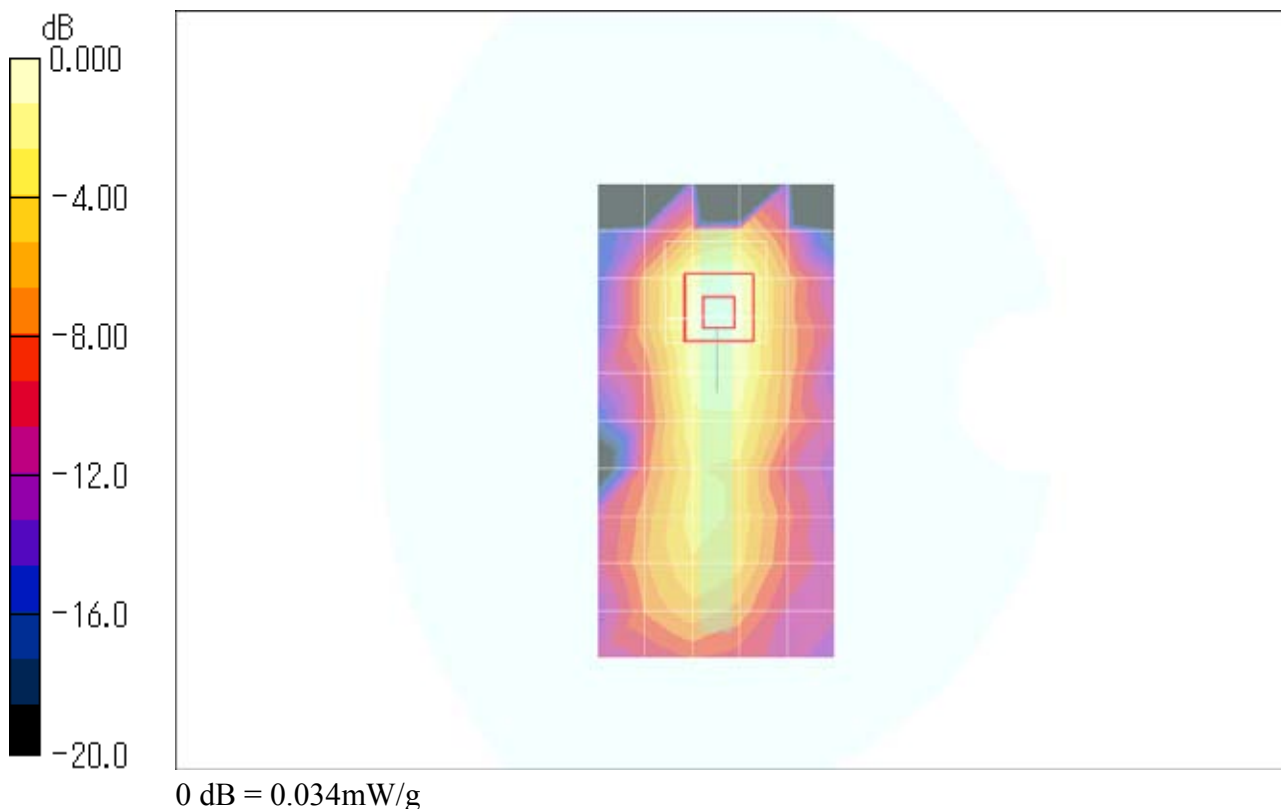
Left Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.68 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.034 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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

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

Maximum value of SAR (measured) = 0.034 mW/g

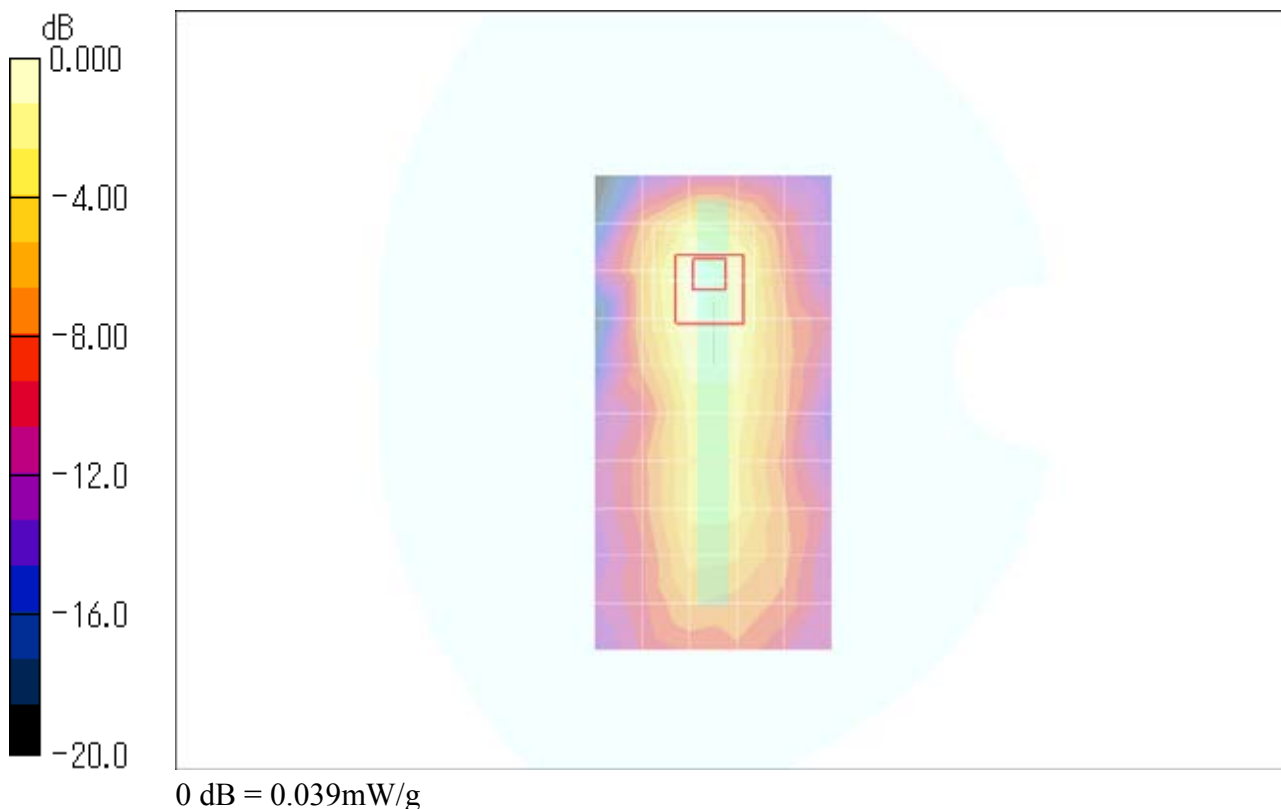
Left Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.88 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.068 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.039 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 11ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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

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

Maximum value of SAR (measured) = 0.051 mW/g

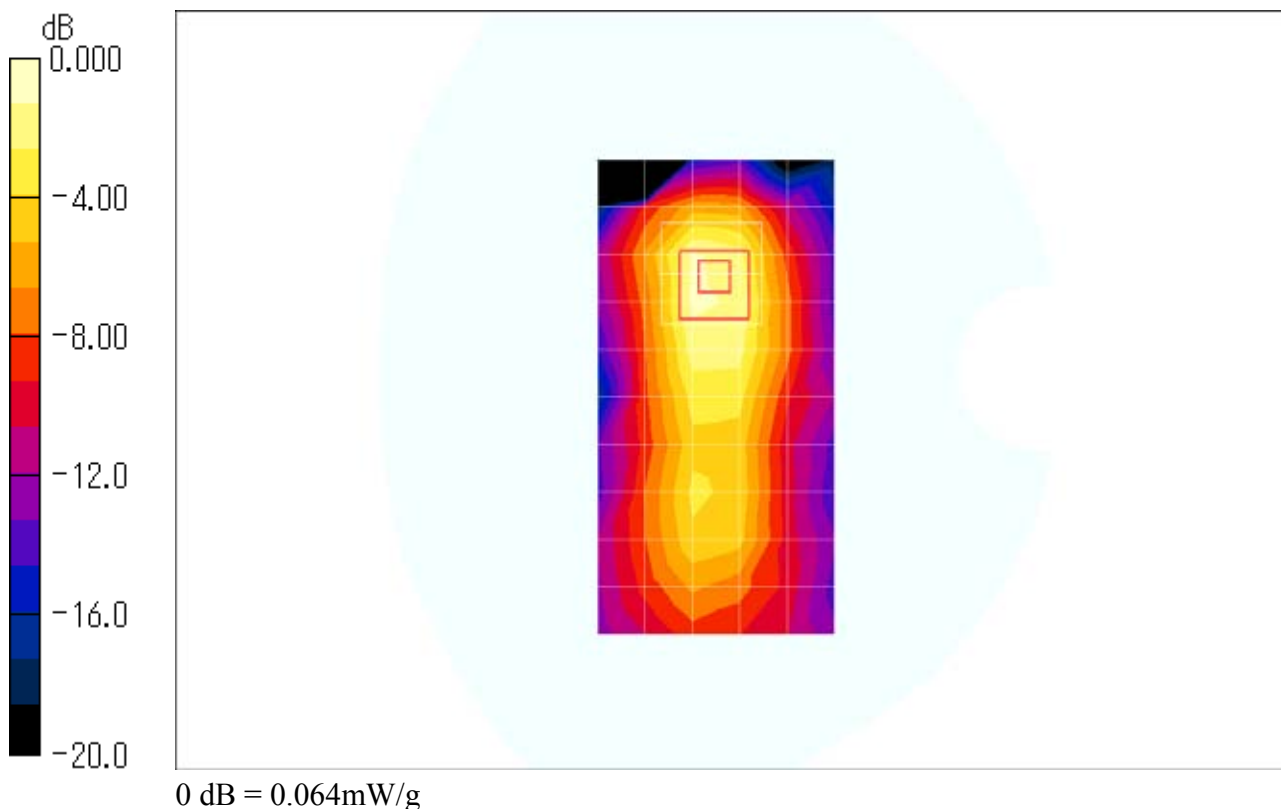
Left Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.70 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.064 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 11ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.02 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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

Left Edge/Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.051 mW/g

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

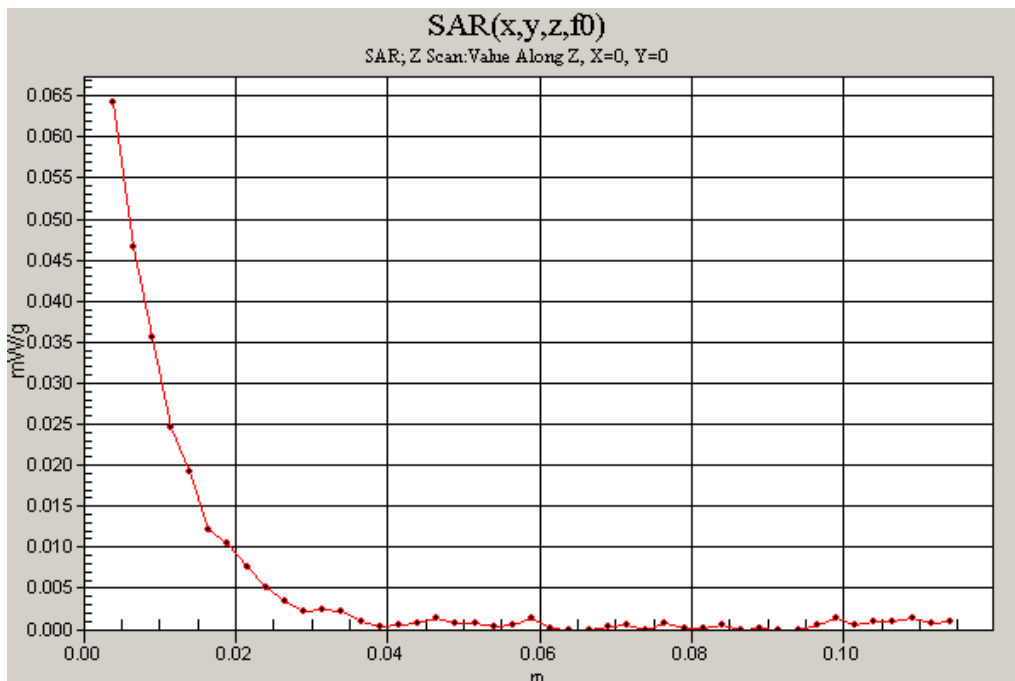
Reference Value = 4.70 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.064 mW/g

Left Edge/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

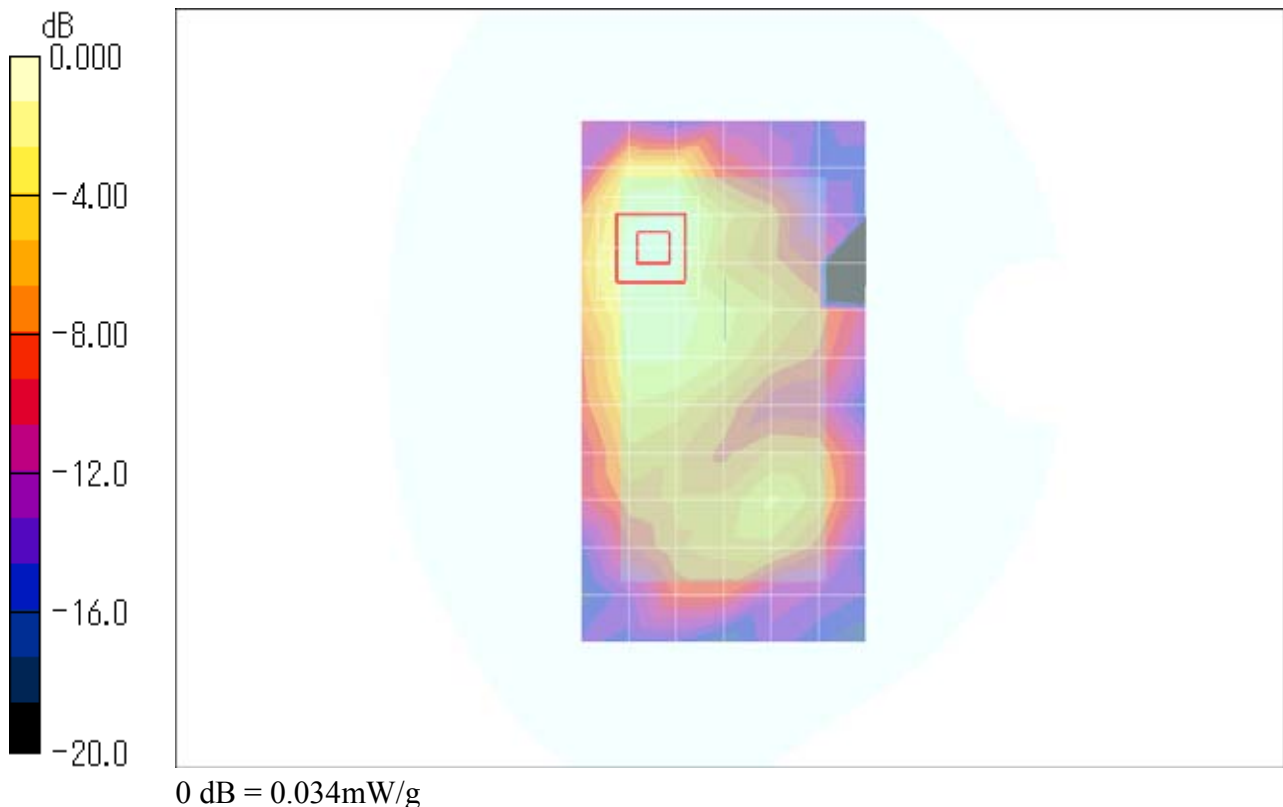
Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.99 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 0.064 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.034 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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/head set/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

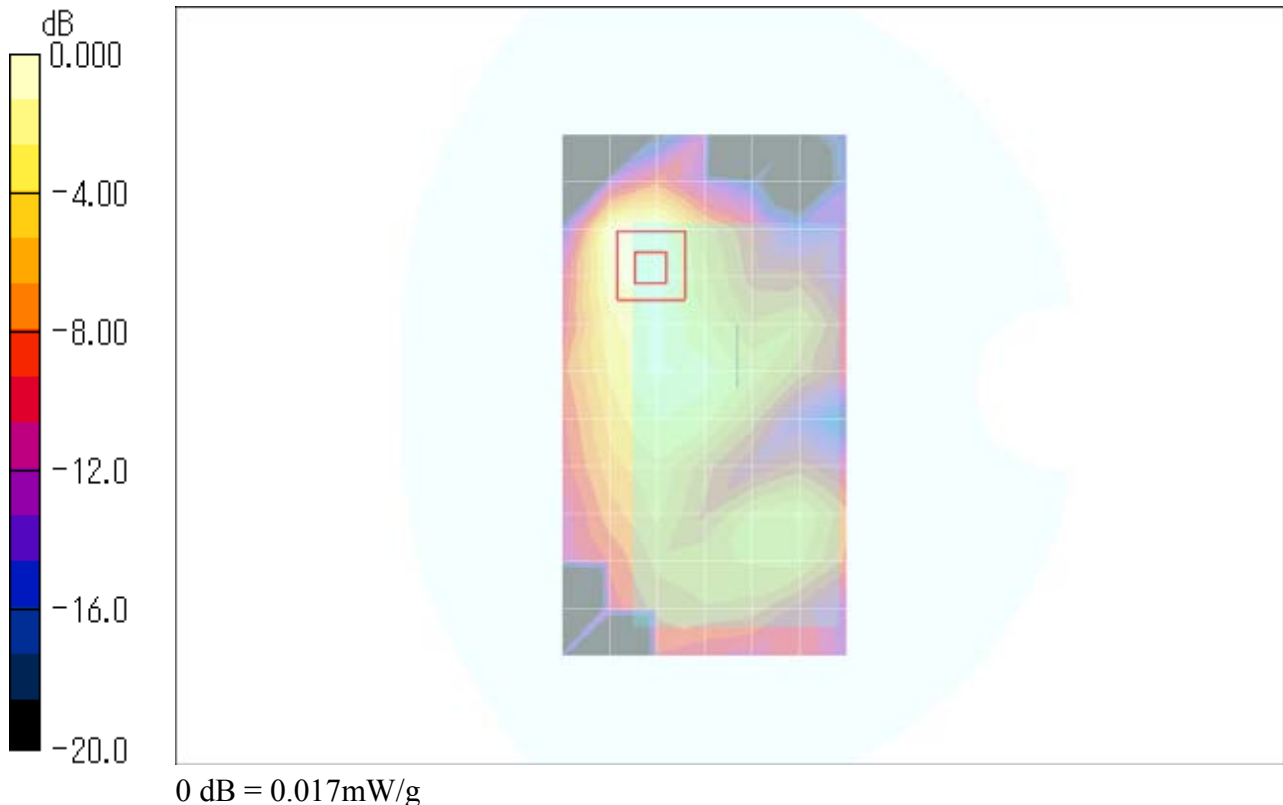
Maximum value of SAR (measured) = 0.017 mW/g

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

Reference Value = 2.02 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.037 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00865 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 102SH; Serial: 004401/11/359847/4

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.85, 6.85, 6.85); Calibrated: 2011/09/02
- Sensor-Surface: 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 (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.036 mW/g

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

Reference Value = 2.01 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.057 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.034 mW/g

