

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: HSL900 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.56 mW/g

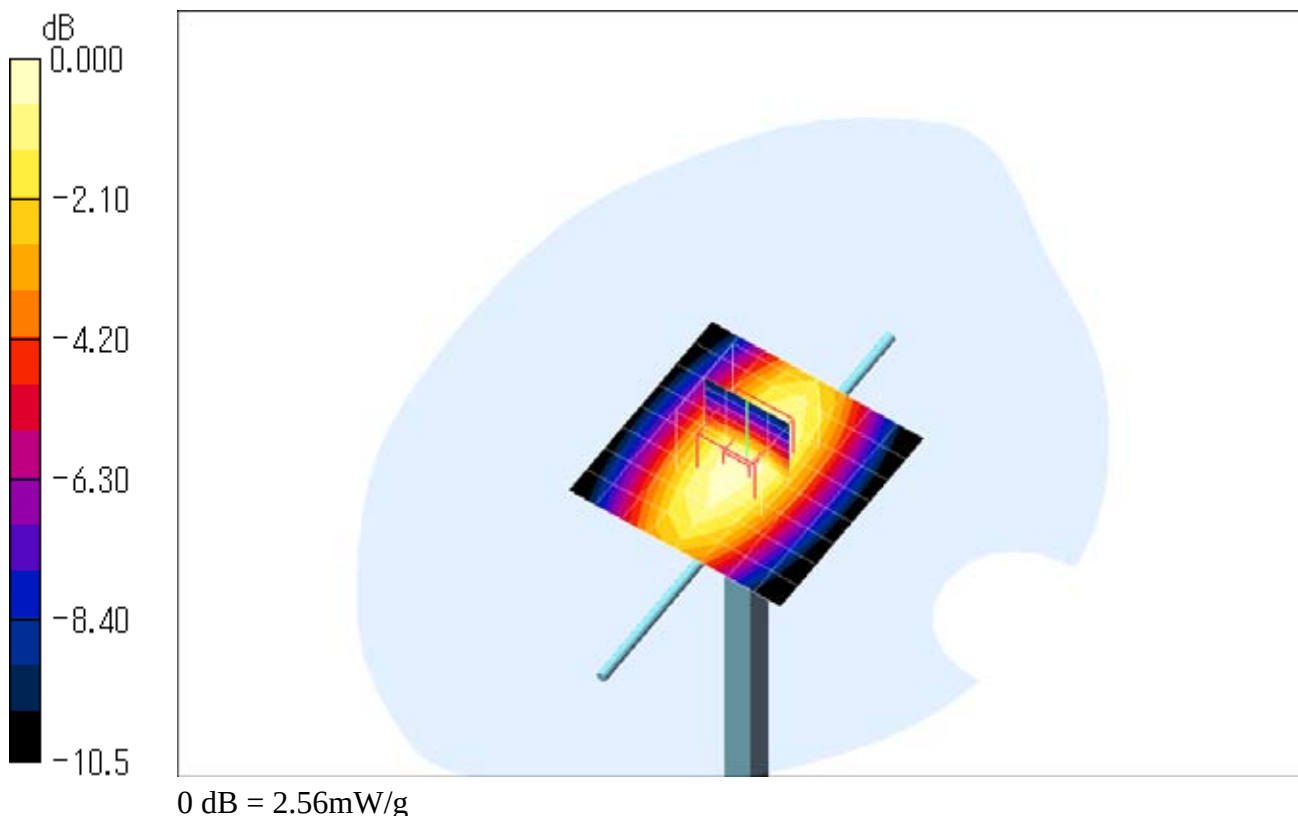
Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.8 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 2.37 mW/g; SAR(10 g) = 1.56 mW/g

Maximum value of SAR (measured) = 2.56 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: MSL900 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.968 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.60 mW/g

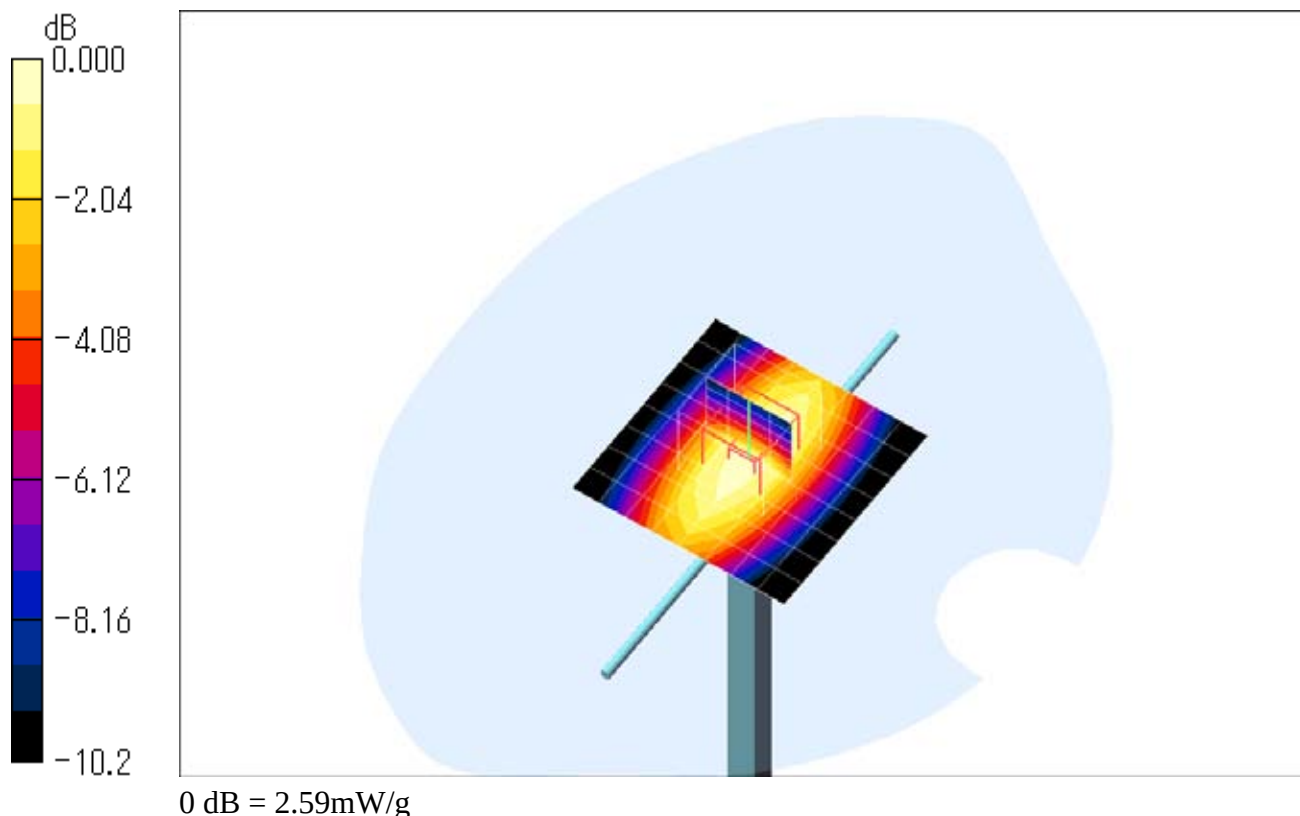
Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 53.7 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.59 mW/g

Maximum value of SAR (measured) = 2.59 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: HSL1900 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 11.3 mW/g

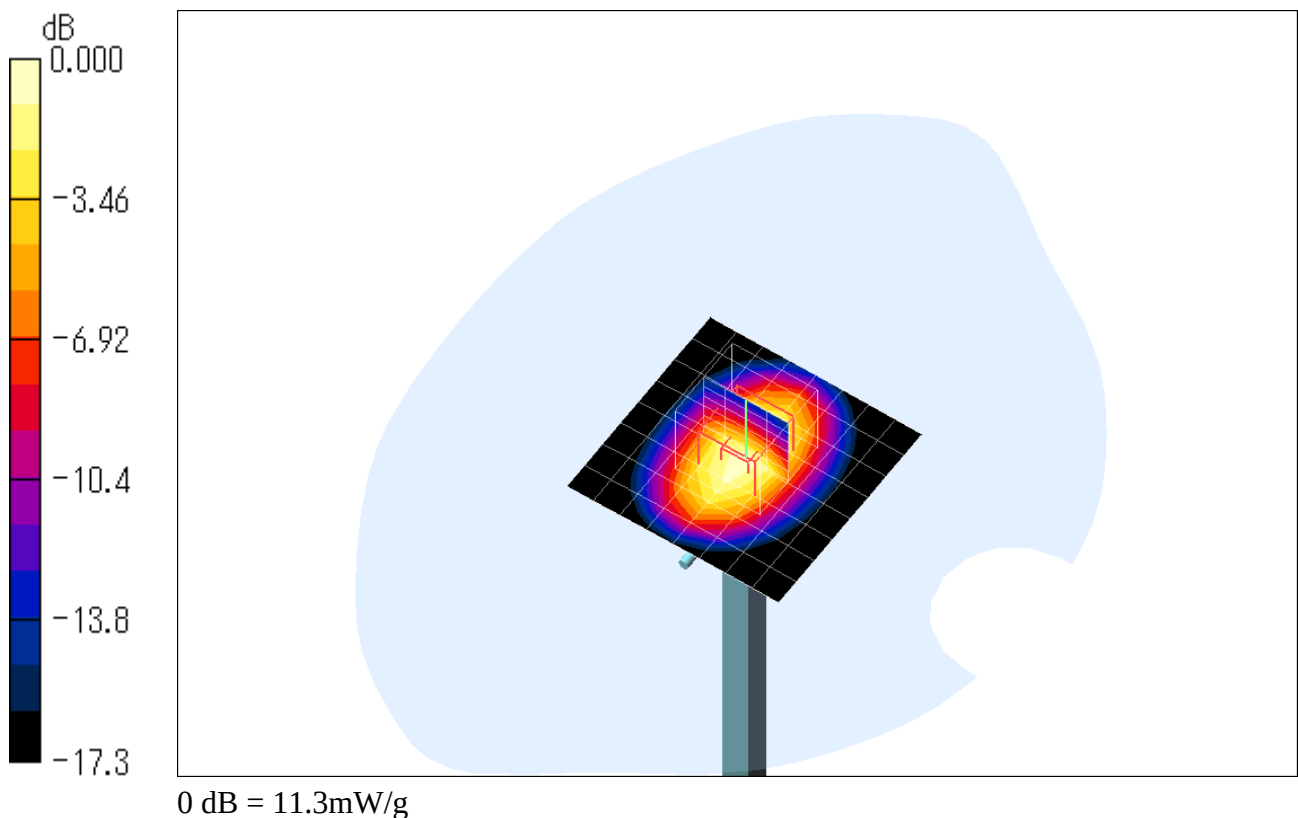
Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 94.8 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 9.92 mW/g; SAR(10 g) = 5.24 mW/g

Maximum value of SAR (measured) = 11.3 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: MSL1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

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

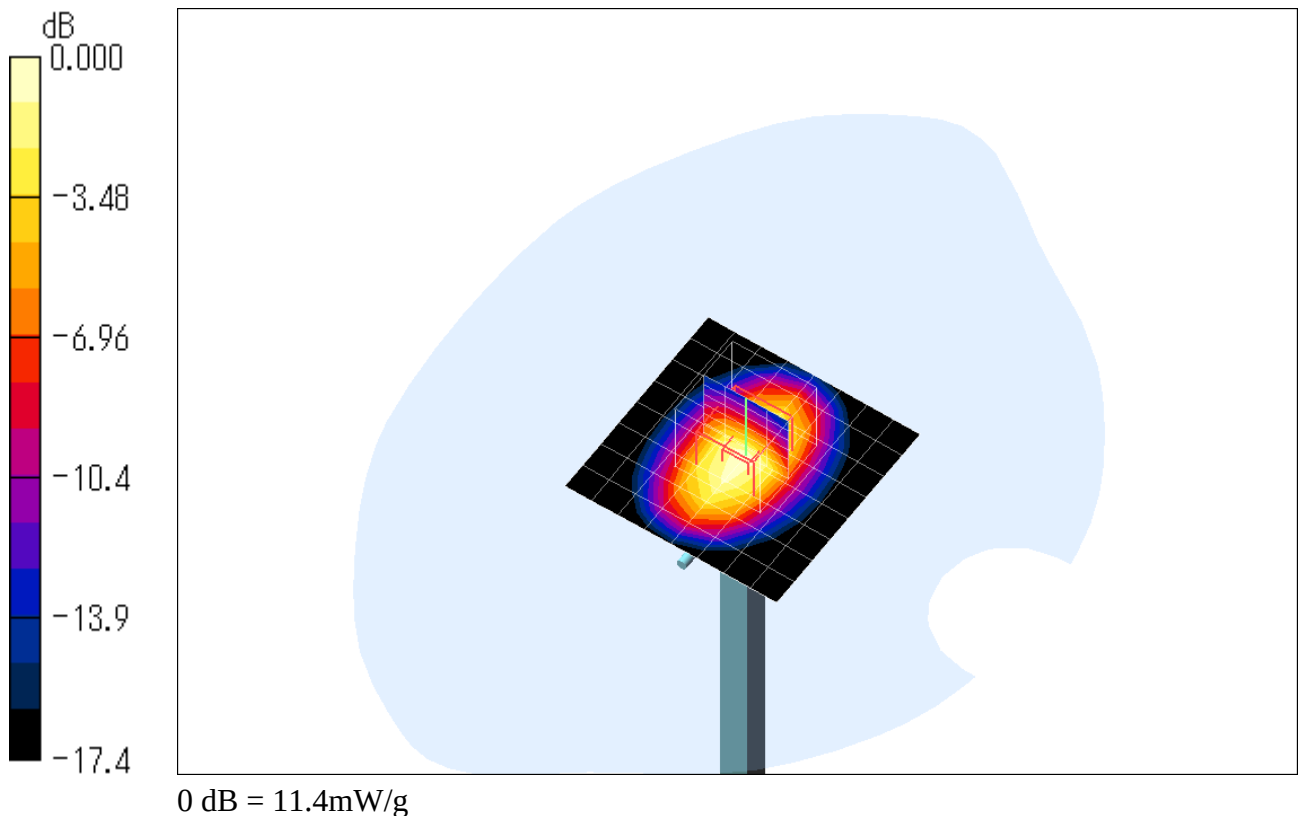
Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.5 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 10 mW/g; SAR(10 g) = 5.32 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Head)**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; $\sigma = 1.81$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 20.2 mW/g

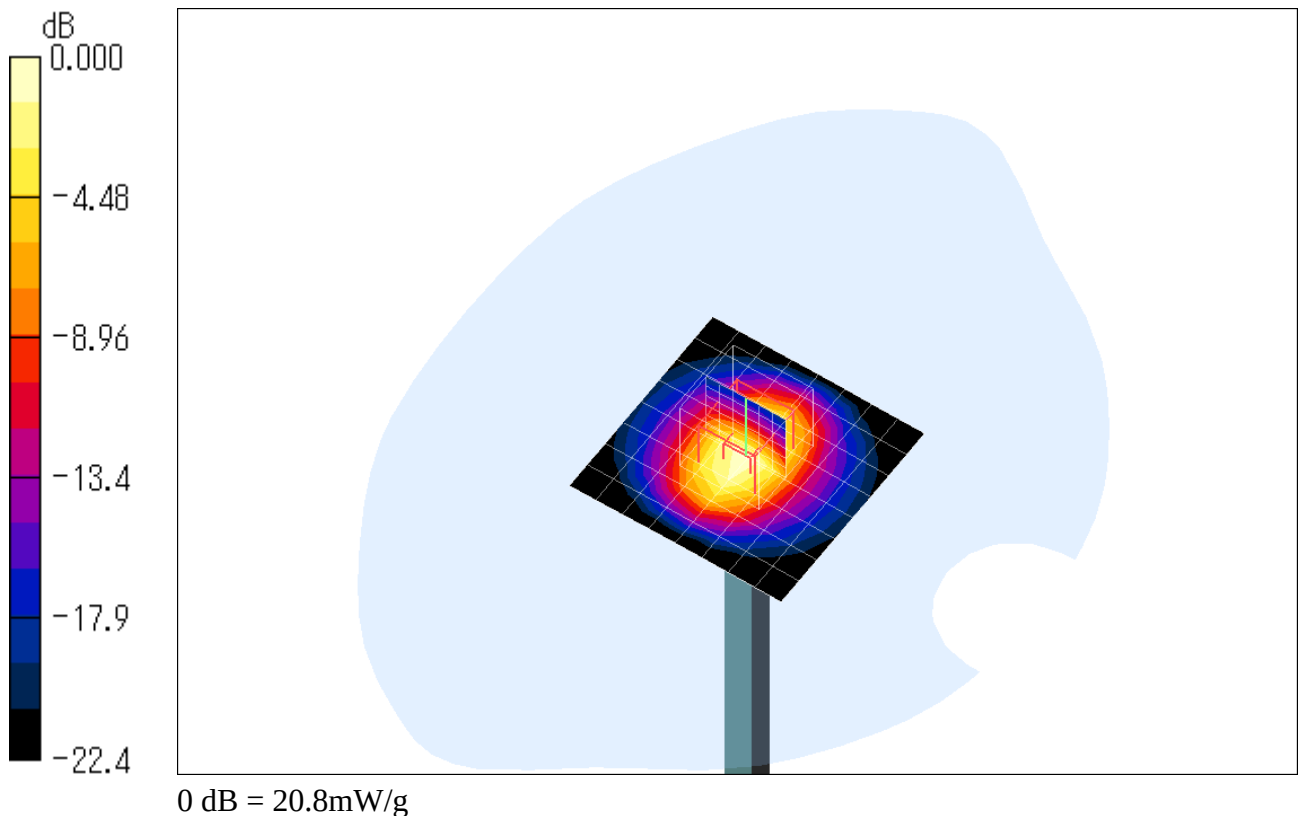
Antenna Input Power 250 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 108.1 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 28.4 W/kg

SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.12 mW/g

Maximum value of SAR (measured) = 20.8 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Body)**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 714**

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

Medium: MSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 19.1 mW/g

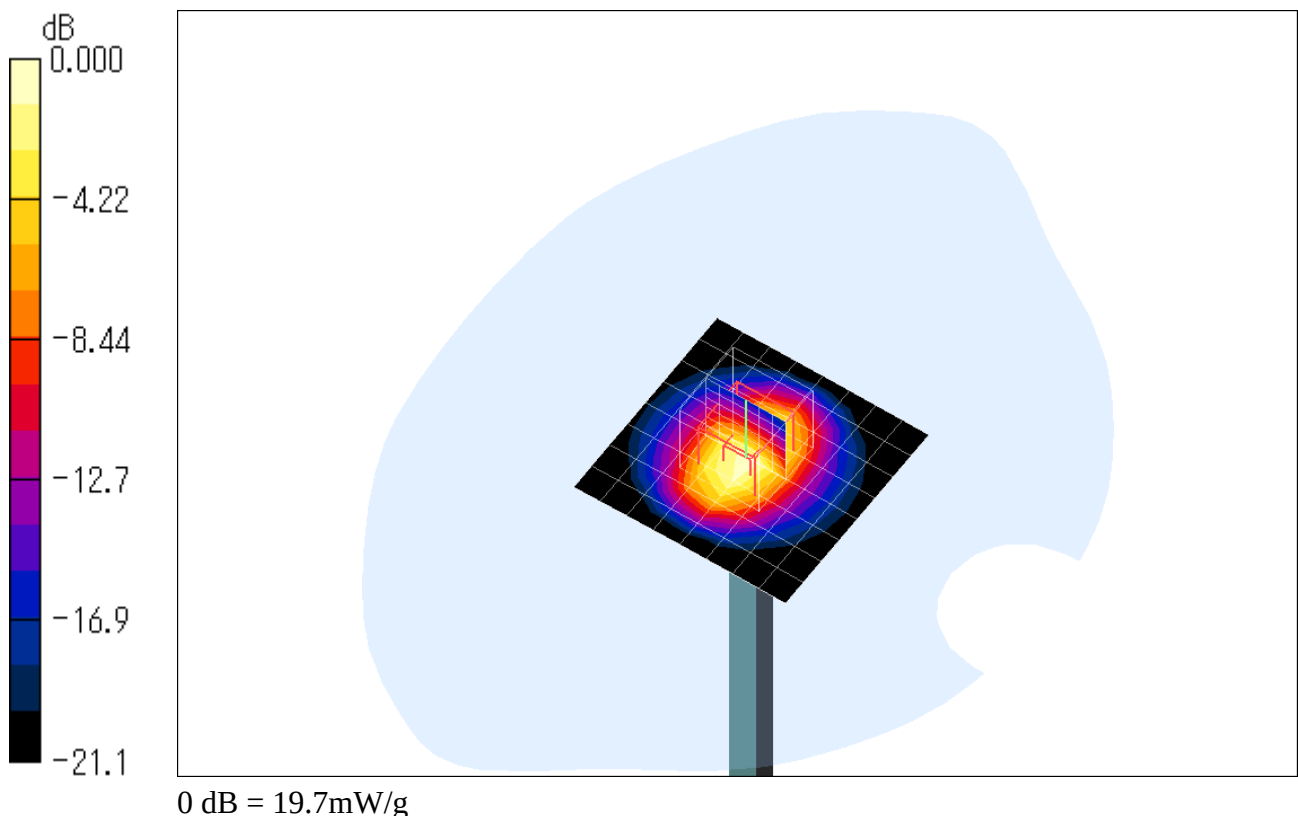
Antenna Input Power 250 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 100.5 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 26.4 W/kg

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

Maximum value of SAR (measured) = 19.7 mW/g



0 dB = 19.7mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Head)**DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1111**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.63$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.96, 4.96, 4.96); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 39.8 mW/g

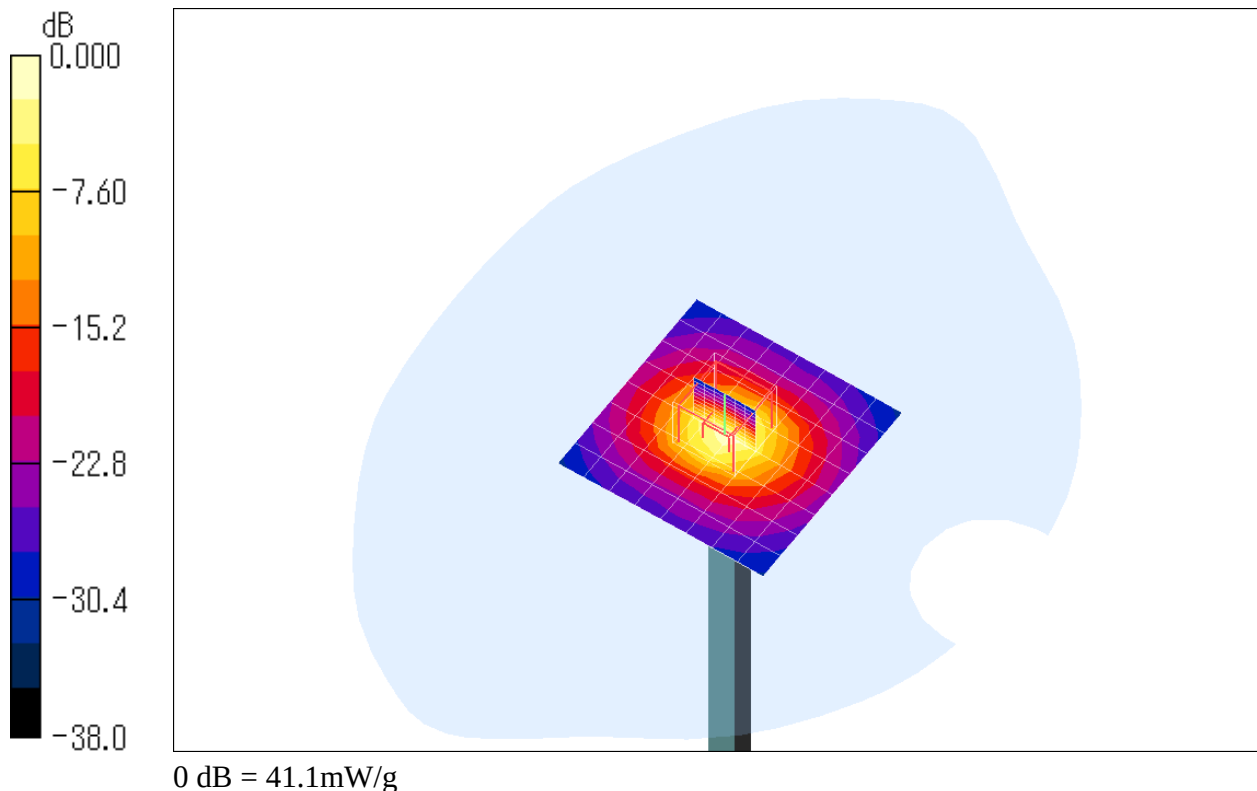
Antenna Input Power 250 mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 99.3 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 78.5 W/kg

SAR(1 g) = 19.8 mW/g; SAR(10 g) = 5.69 mW/g

Maximum value of SAR (measured) = 41.1 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Head)**DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1111**

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5500$ MHz; $\sigma = 4.96$ mho/m; $\epsilon_r = 35.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.55, 4.55, 4.55); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

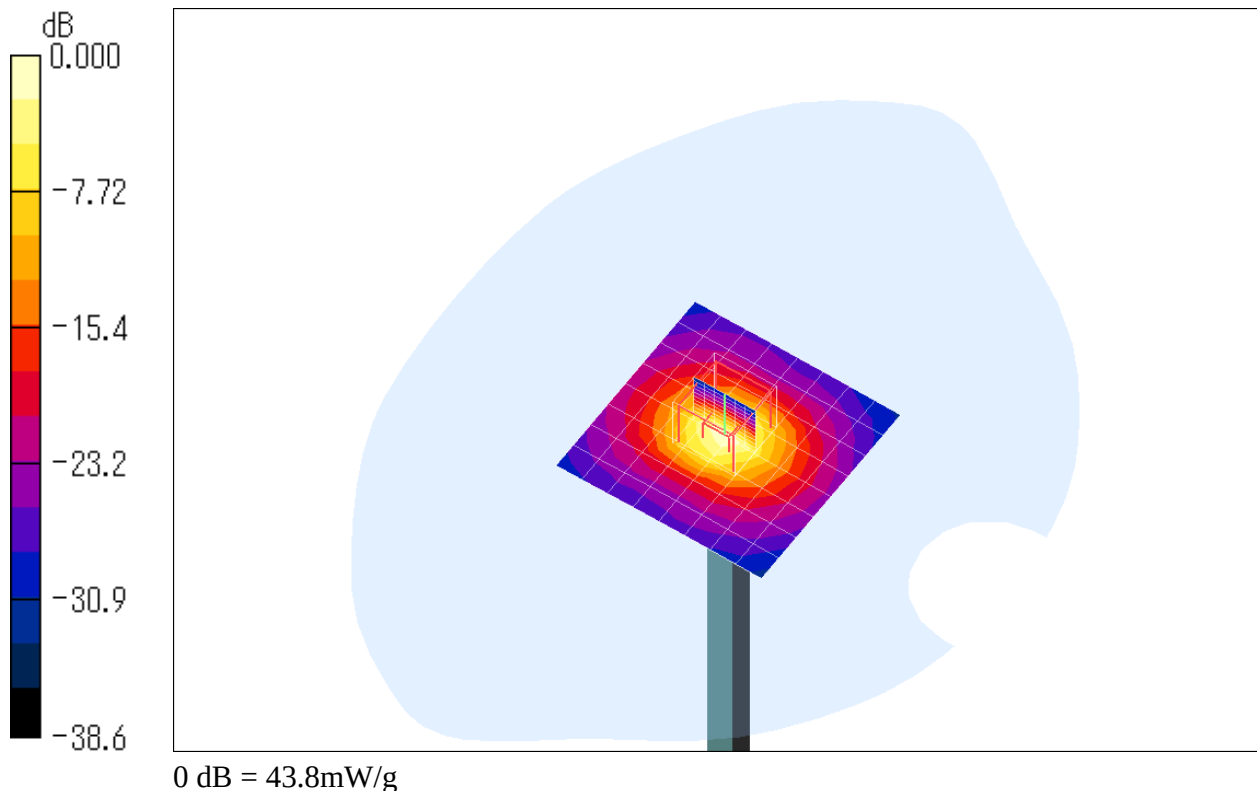
Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 42.3 mW/g**Antenna Input Power 250 mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 99.9 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 85.4 W/kg

SAR(1 g) = 20.9 mW/g; SAR(10 g) = 5.92 mW/g

Maximum value of SAR (measured) = 43.8 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Body)**DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1111**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.32$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 37.6 mW/g

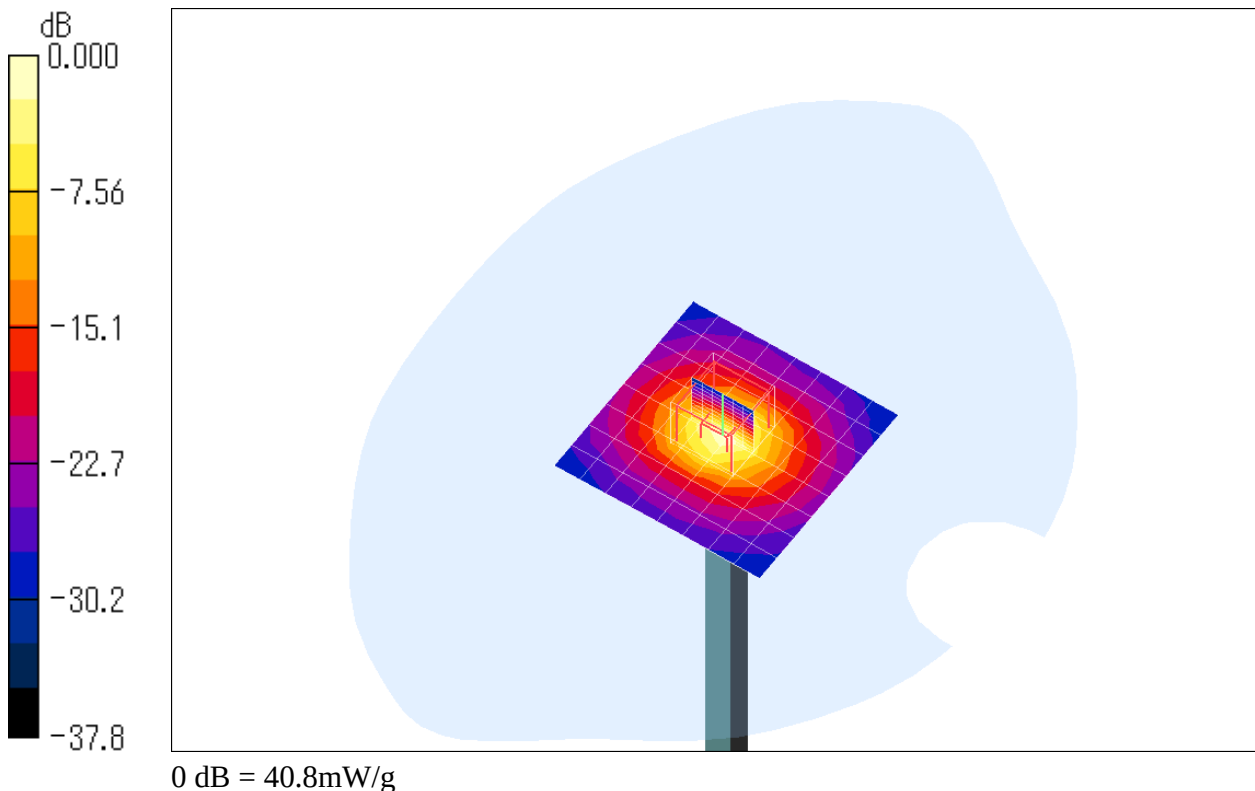
Antenna Input Power 250 mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 94.9 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 76.4 W/kg

SAR(1 g) = 18.9 mW/g; SAR(10 g) = 5.32 mW/g

Maximum value of SAR (measured) = 40.8 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Body)**DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1111**

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MBL3500-5800 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.75$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Antenna Input Power 250 mW/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 39.4 mW/g

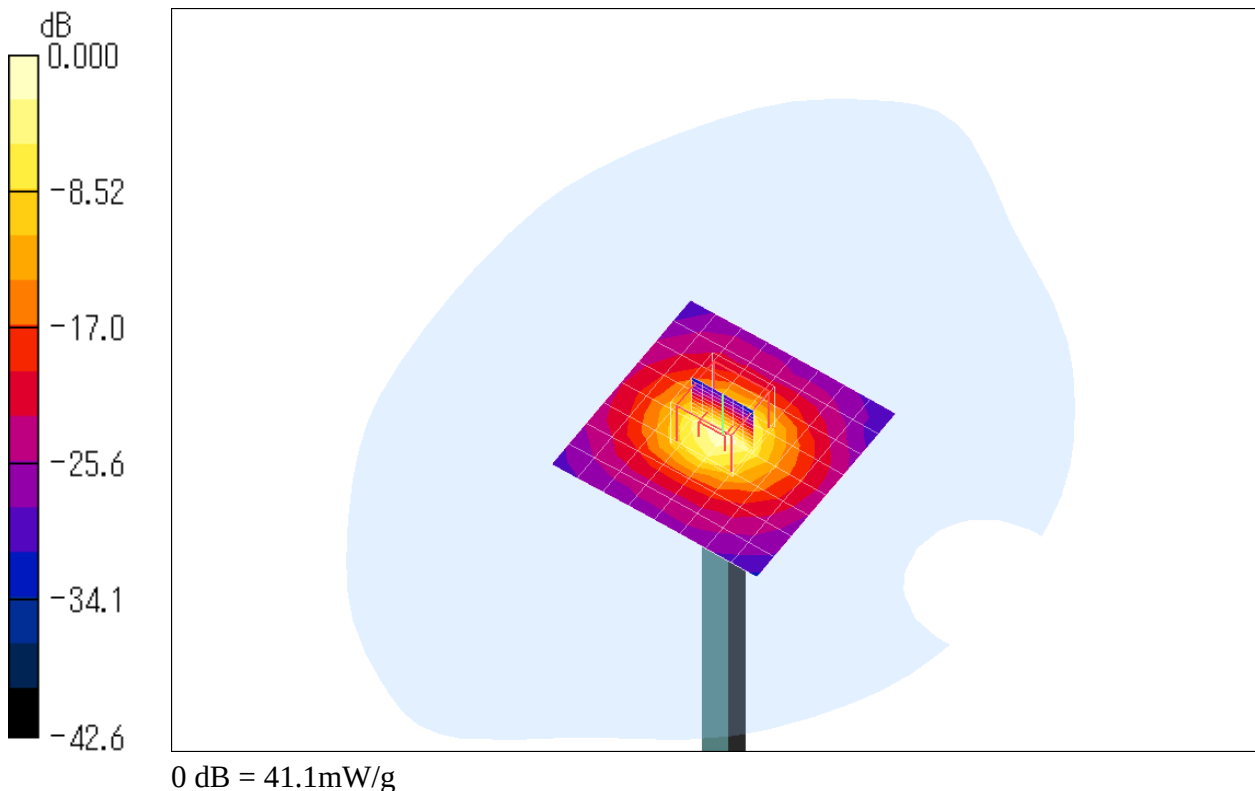
Antenna Input Power 250 mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 93.0 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 81.0 W/kg

SAR(1 g) = 19.4 mW/g; SAR(10 g) = 5.41 mW/g

Maximum value of SAR (measured) = 41.1 mW/g



Appendix 2-1 – SAR Test Plots (WCDMA Band V)

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 4132ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

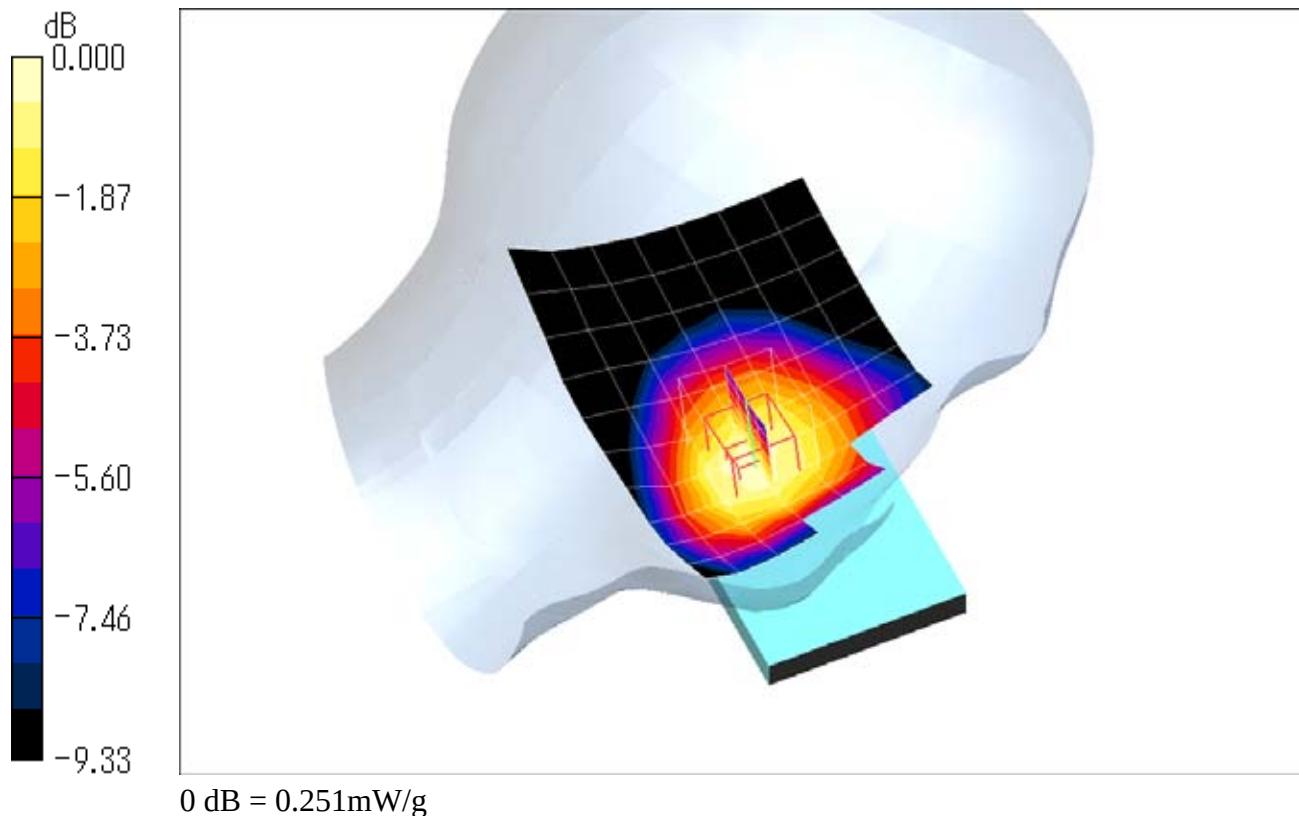
Medium: HSL900 Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.891 \text{ mho/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.248 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 = 16.7 V/m ; Power Drift = -0.022 dB Peak SAR (extrapolated) = 0.297 W/kg **SAR(1 g) = 0.240 mW/g ; SAR(10 g) = 0.181 mW/g** Maximum value of SAR (measured) = 0.251 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.312 mW/g

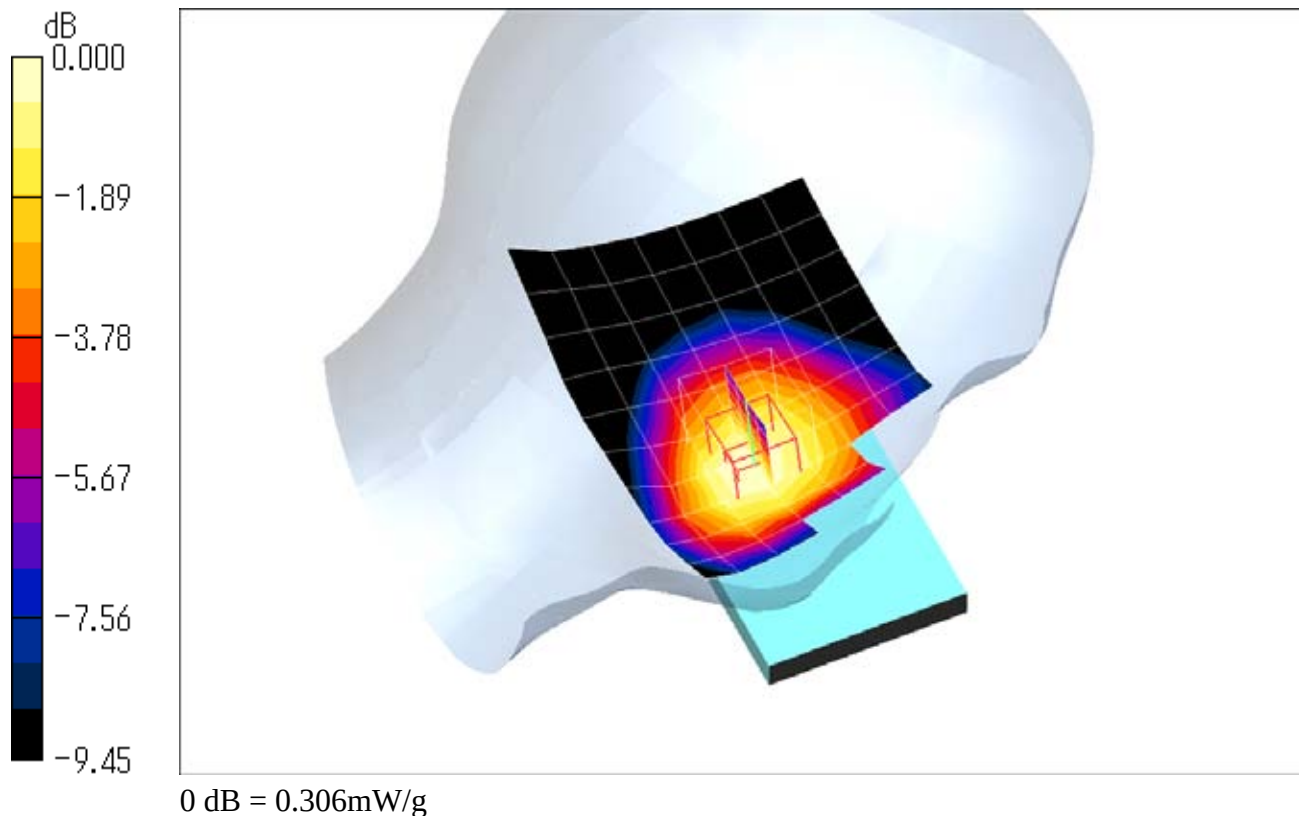
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.6 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.220 mW/g

Maximum value of SAR (measured) = 0.306 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

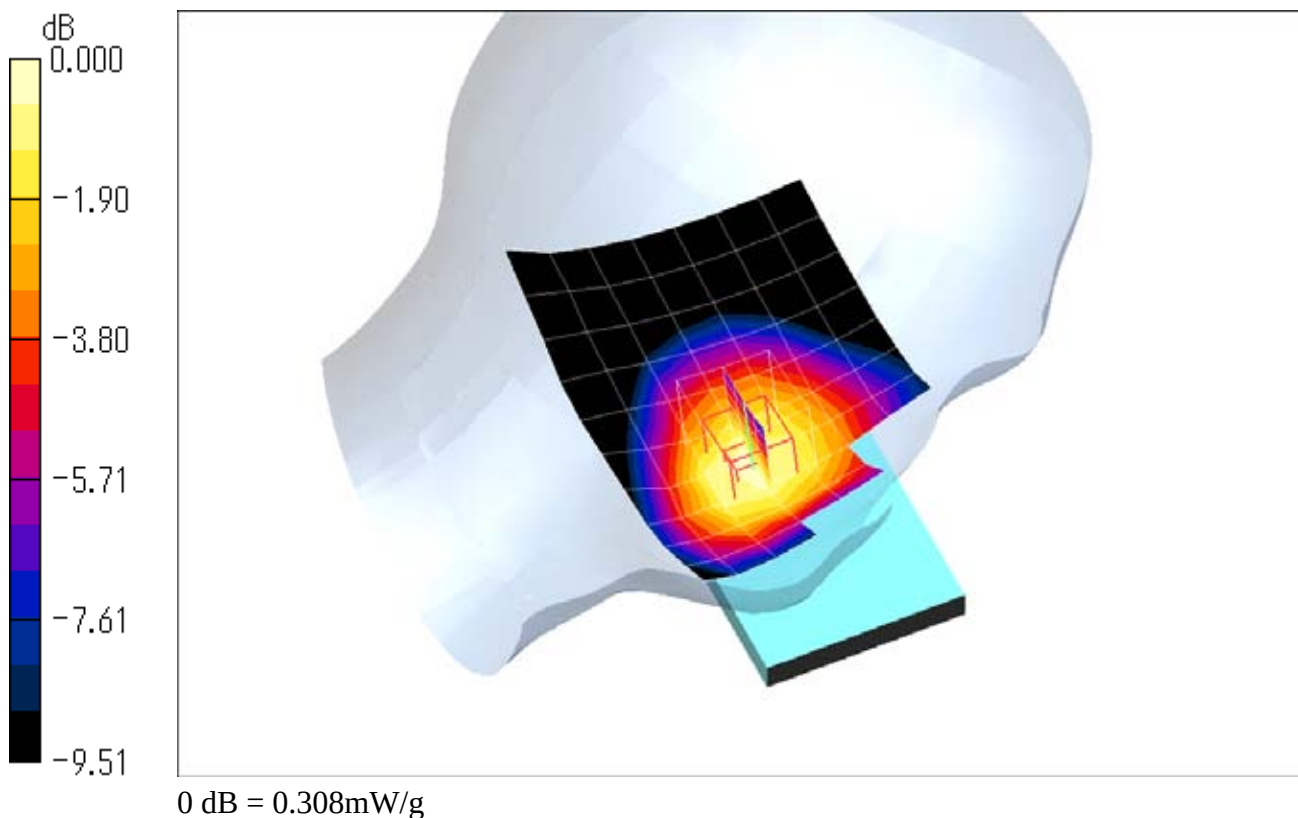
Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position w/touch-pen/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.299 mW/g**Cheek/Touch Position w/touch-pen/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 18.0 V/m; Power Drift = 0.010 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.220 mW/g
Maximum value of SAR (measured) = 0.308 mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 4182ch / WCDMA Band V

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

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

Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

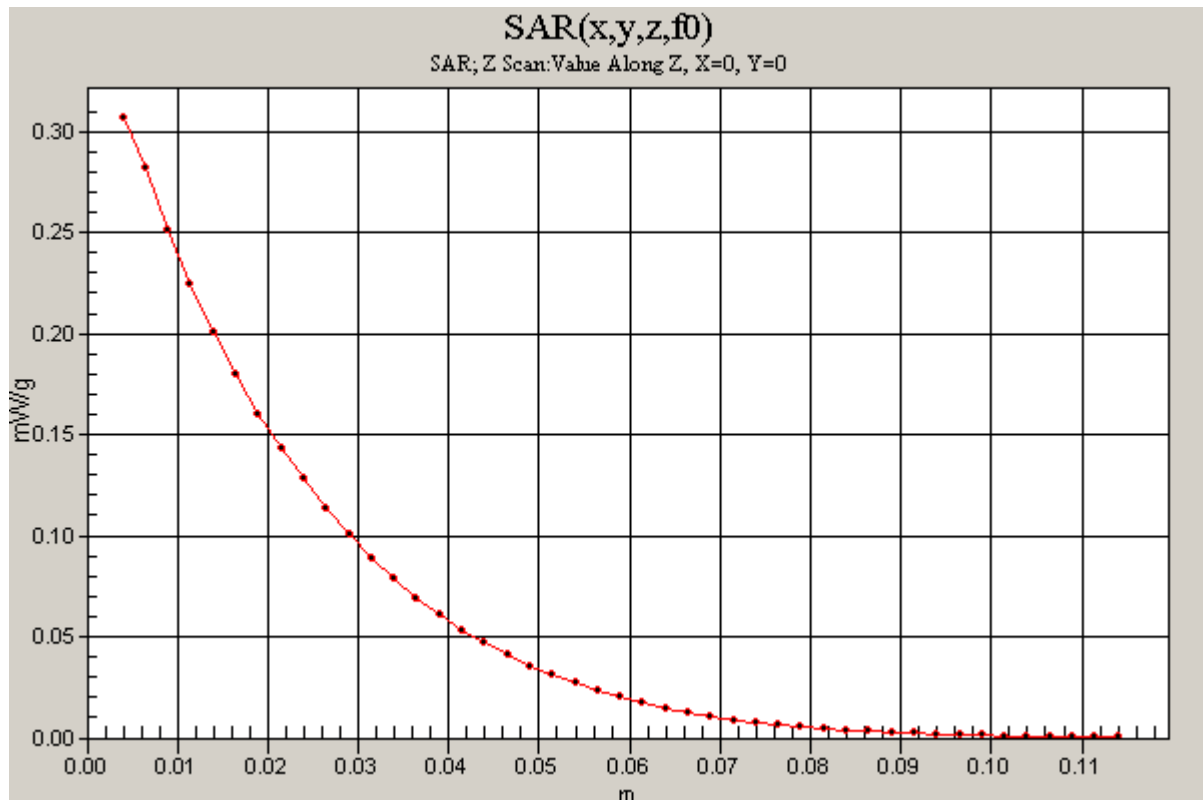
Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position w/touch-pen/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$

Maximum value of SAR (measured) = 0.307 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 4233ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

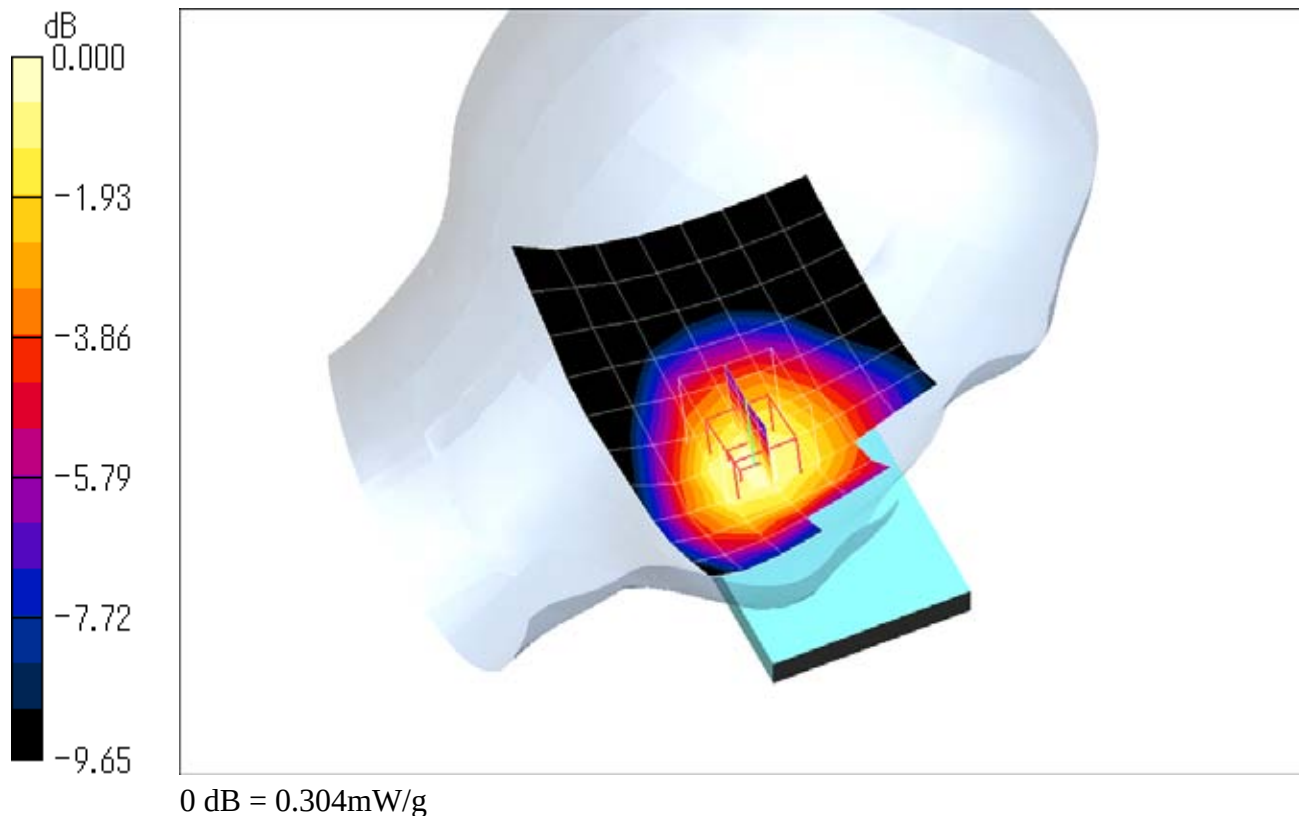
Medium: HSL900 Medium parameters used: $f = 846.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.296 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 = 17.9 V/m ; Power Drift = -0.033 dB Peak SAR (extrapolated) = 0.360 W/kg **SAR(1 g) = 0.287 mW/g ; SAR(10 g) = 0.215 mW/g** Maximum value of SAR (measured) = 0.304 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

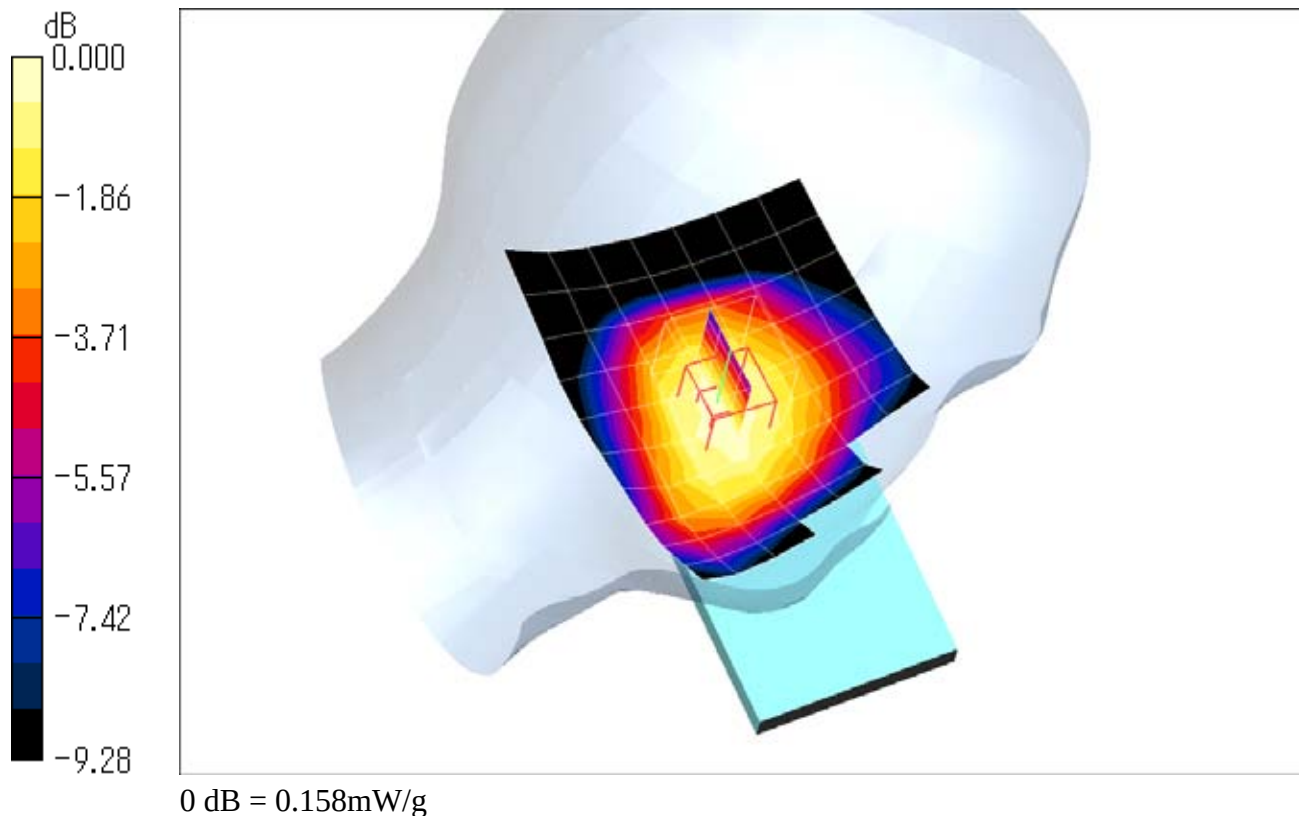
Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.153 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 = 12.9 V/m ; Power Drift = 0.005 dB Peak SAR (extrapolated) = 0.179 W/kg **SAR(1 g) = 0.150 mW/g ; SAR(10 g) = 0.117 mW/g** Maximum value of SAR (measured) = 0.158 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.239 mW/g

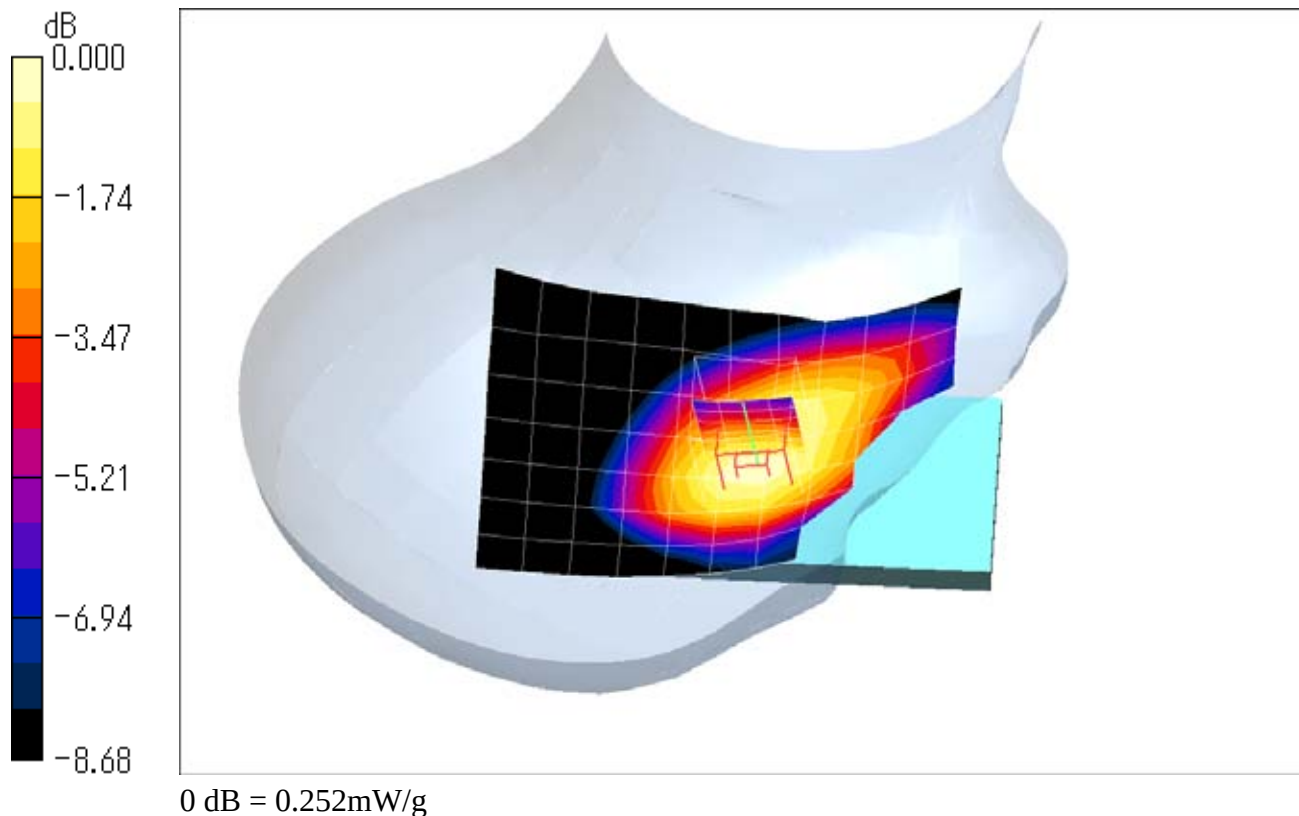
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.252 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.155 mW/g

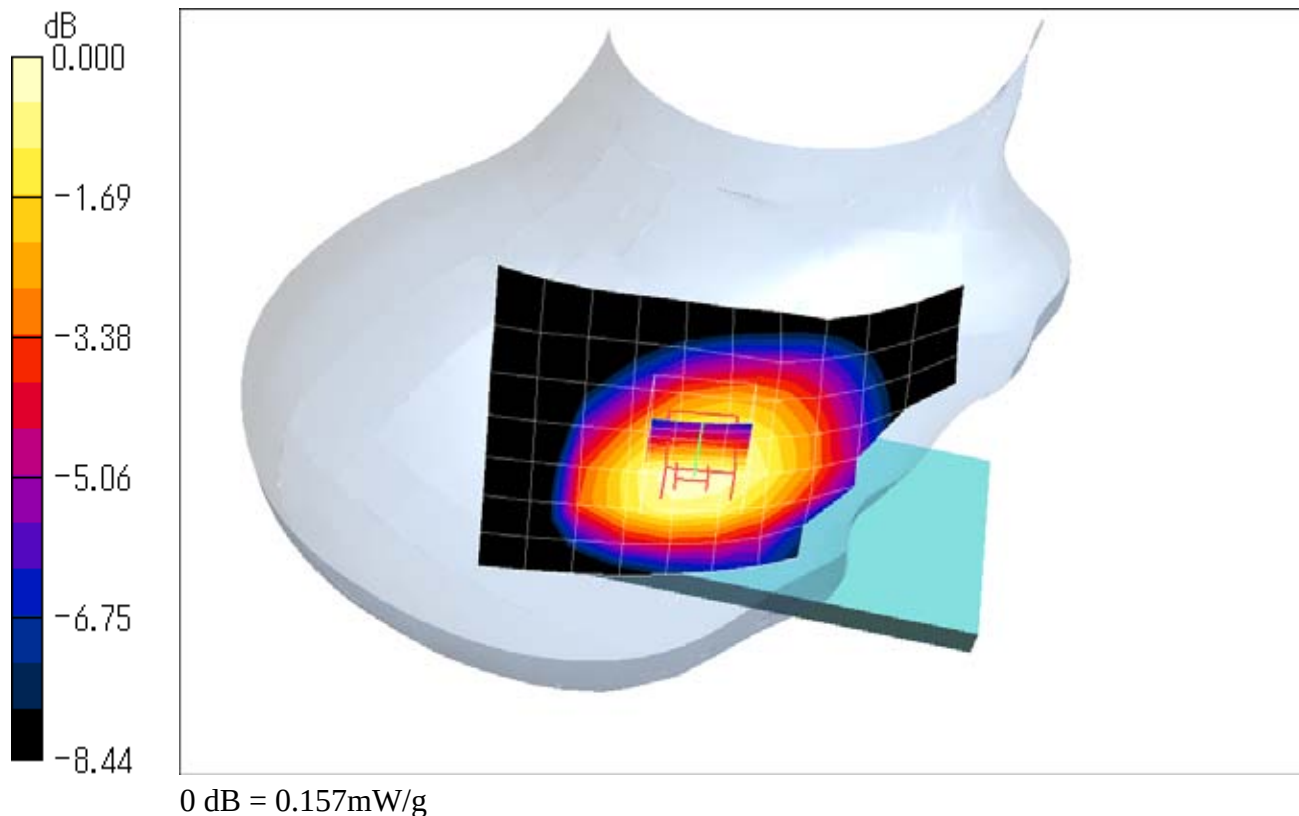
Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.115 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

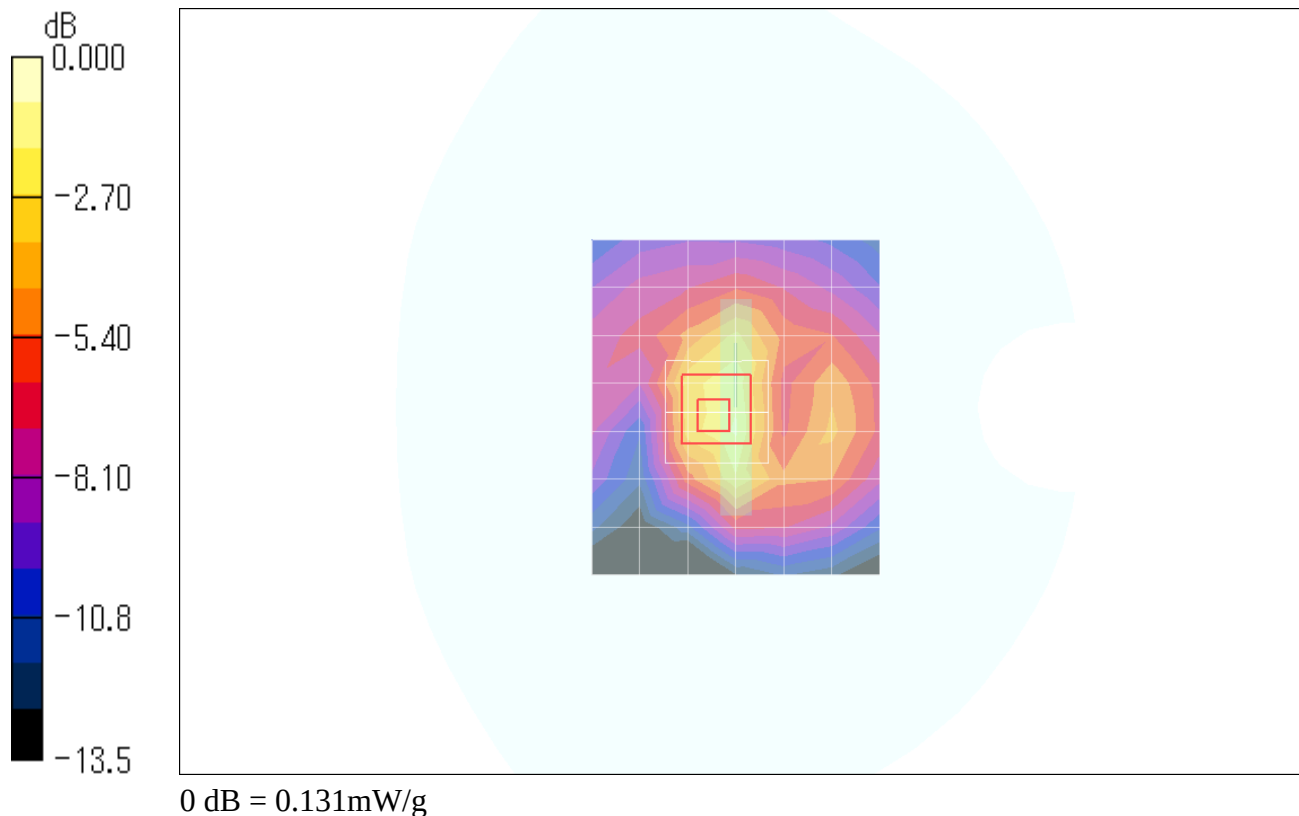
Bottom Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.87 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.131 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.337 mW/g

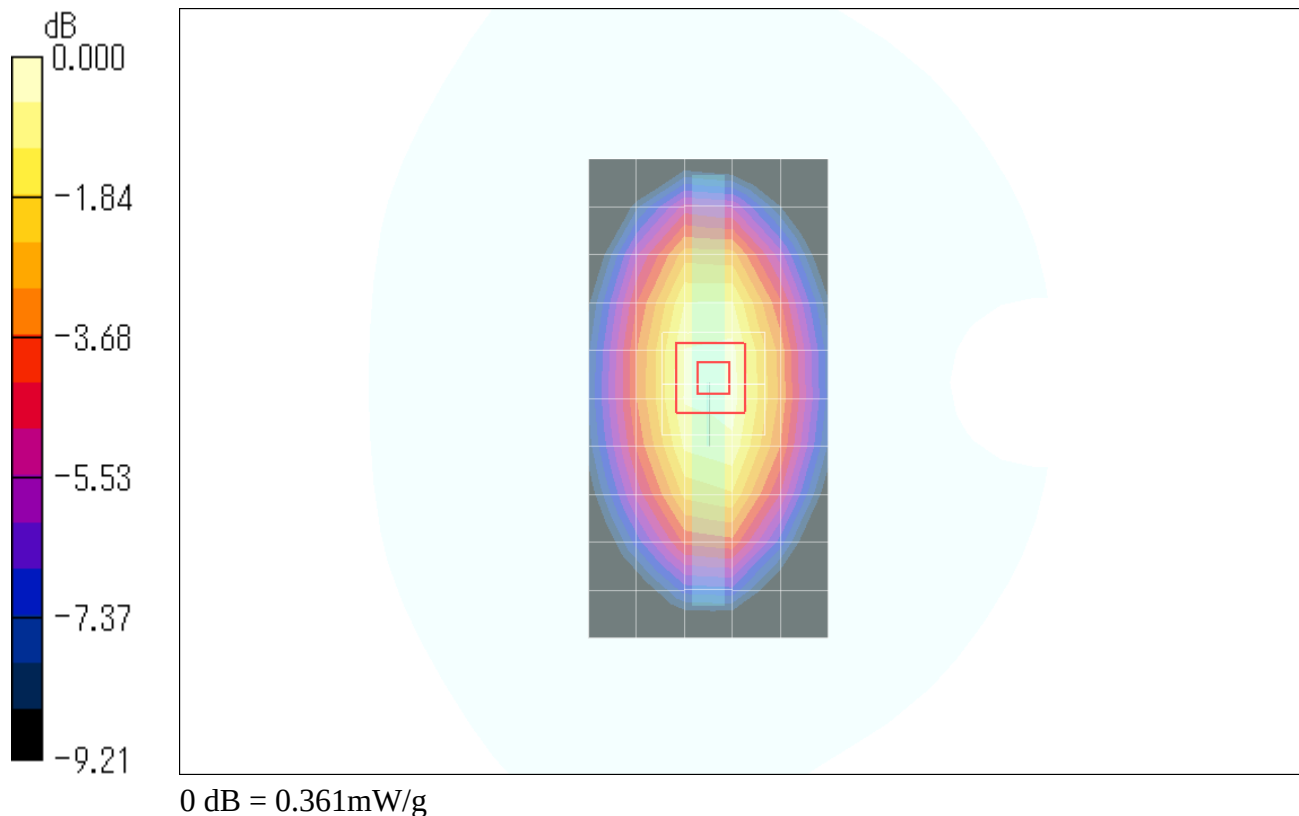
Left Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.234 mW/g

Maximum value of SAR (measured) = 0.361 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.213 mW/g

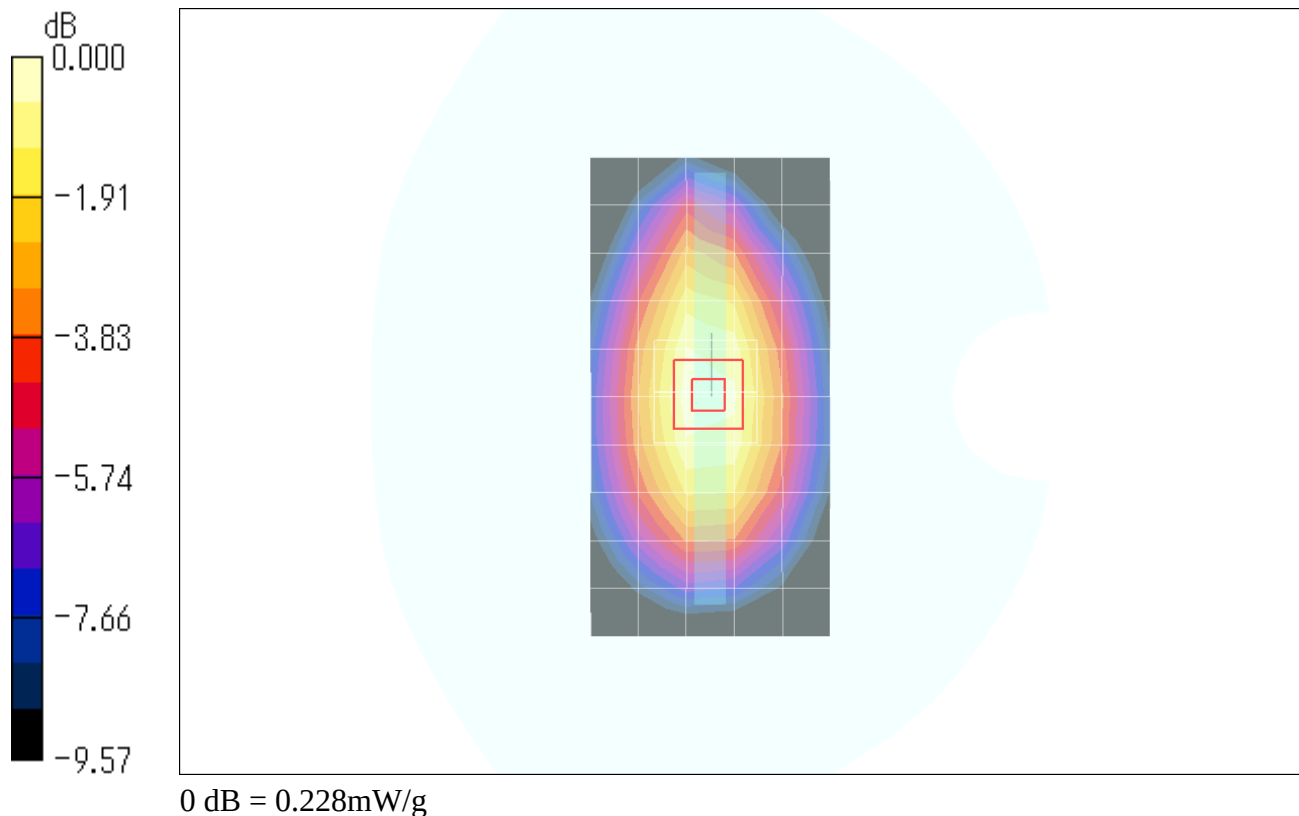
Right Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR (measured) = 0.228 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.325 mW/g

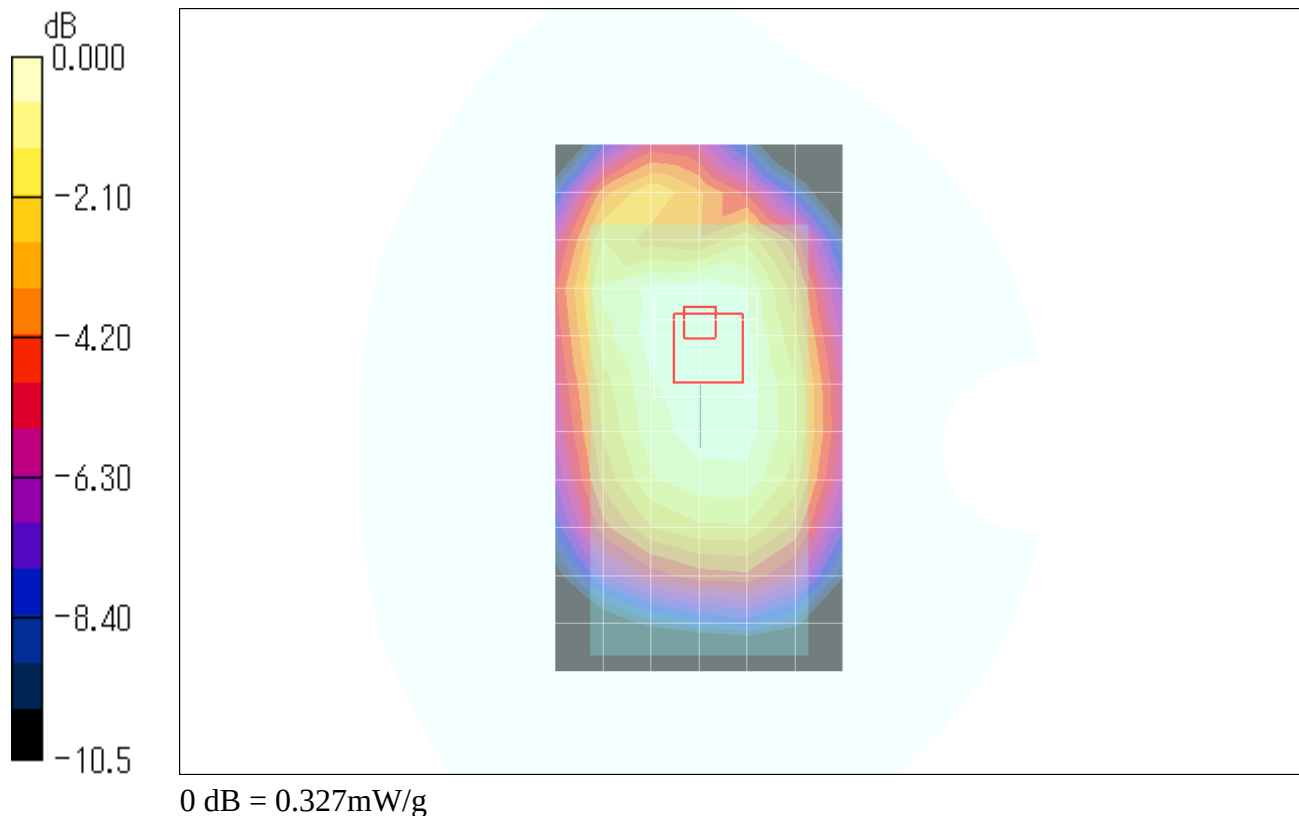
Front Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.238 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4132ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.419 mW/g

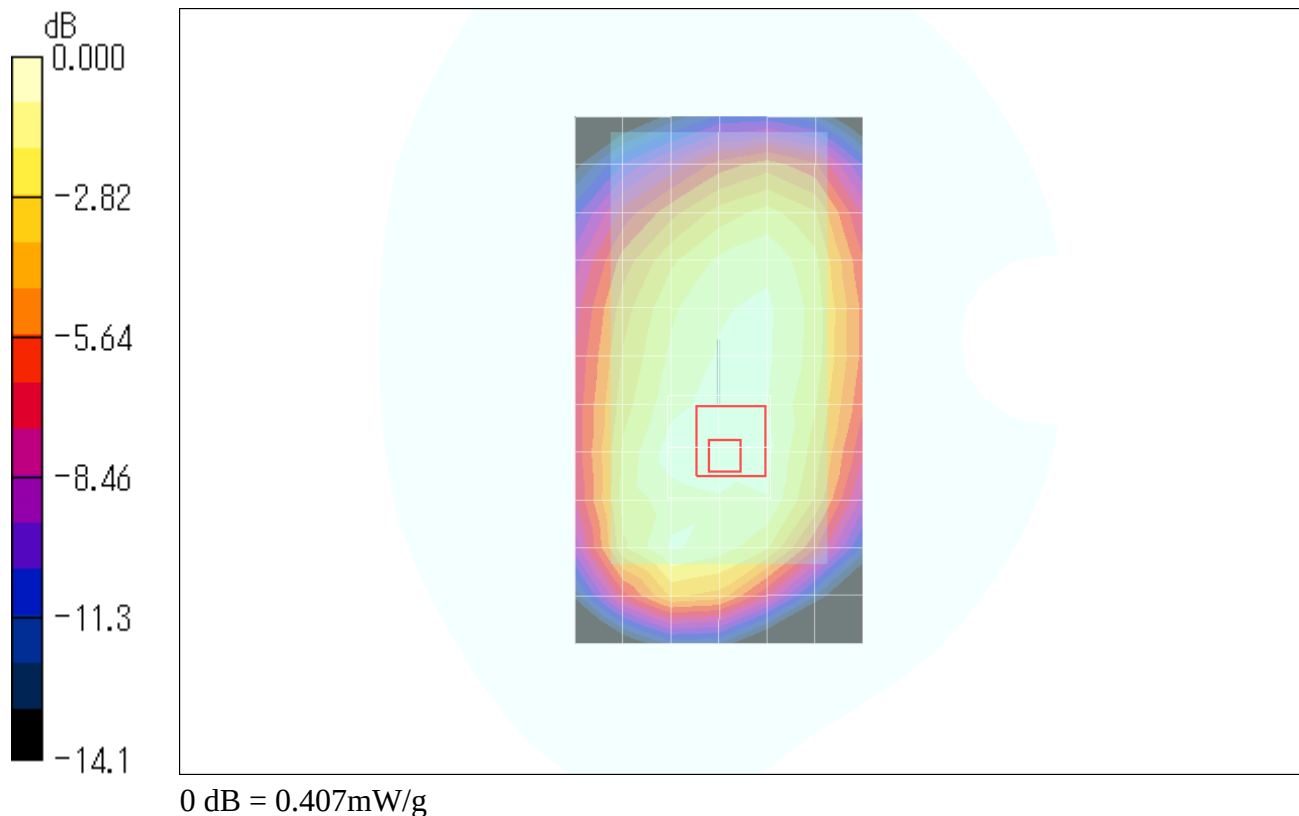
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.281 mW/g

Maximum value of SAR (measured) = 0.407 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4182ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.487 mW/g

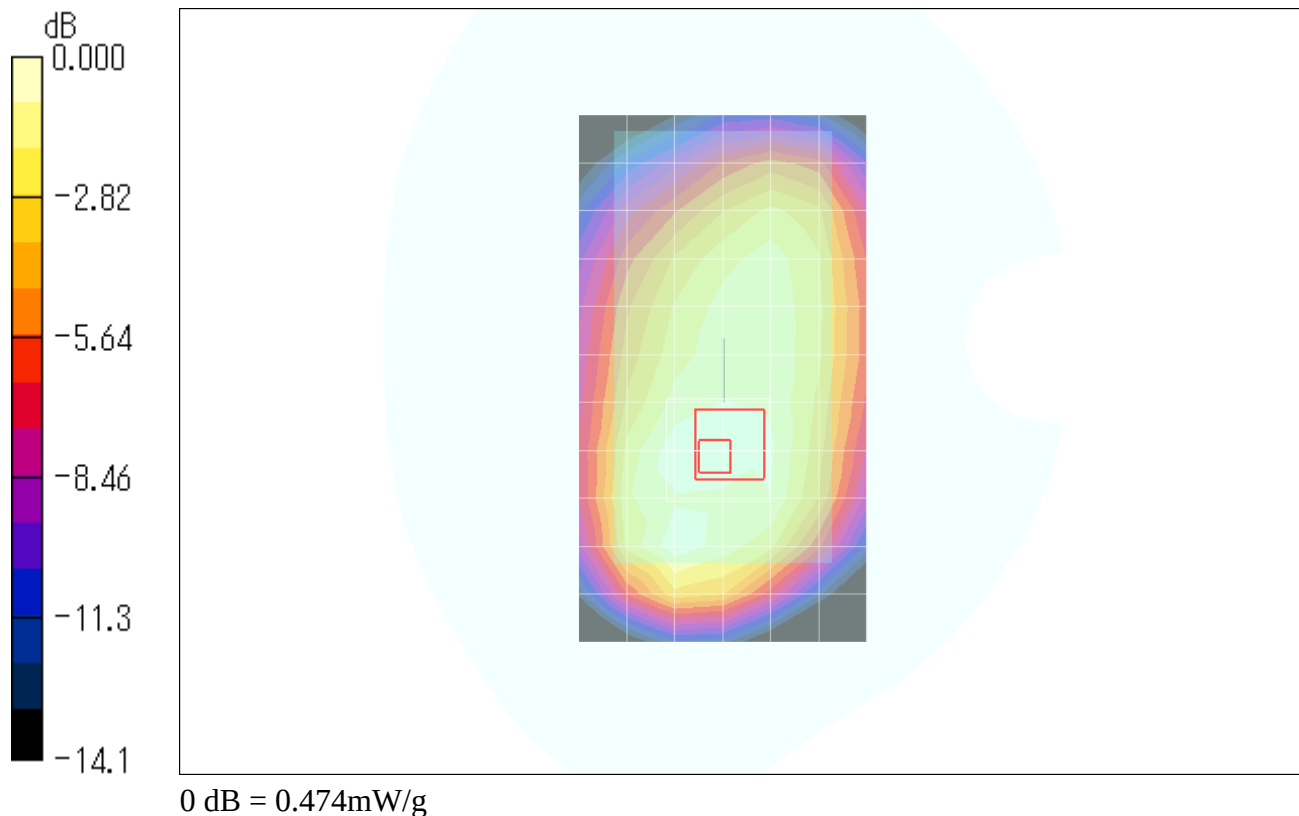
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.317 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4233ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL900 Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.488 mW/g

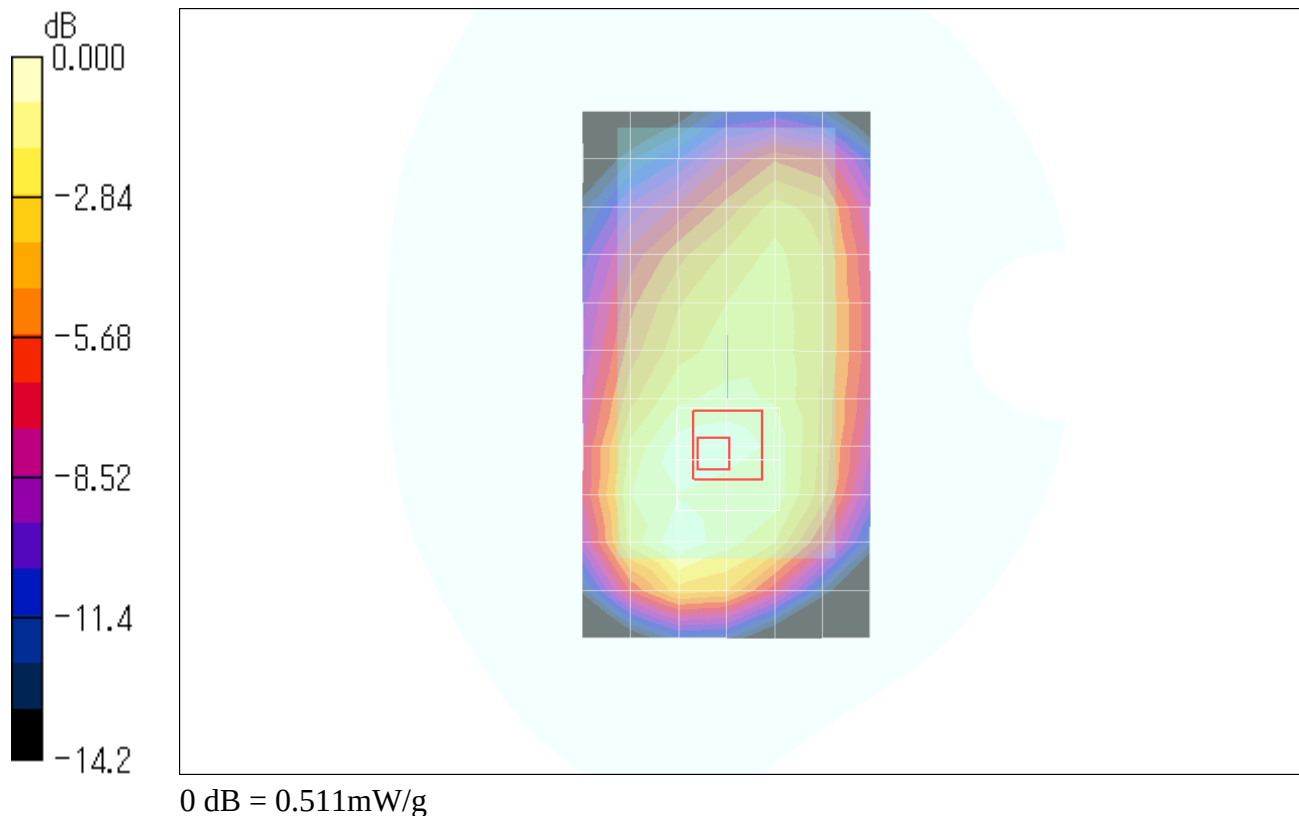
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.741 W/kg

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.320 mW/g

Maximum value of SAR (measured) = 0.511 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4233ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL900 Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.503 mW/g

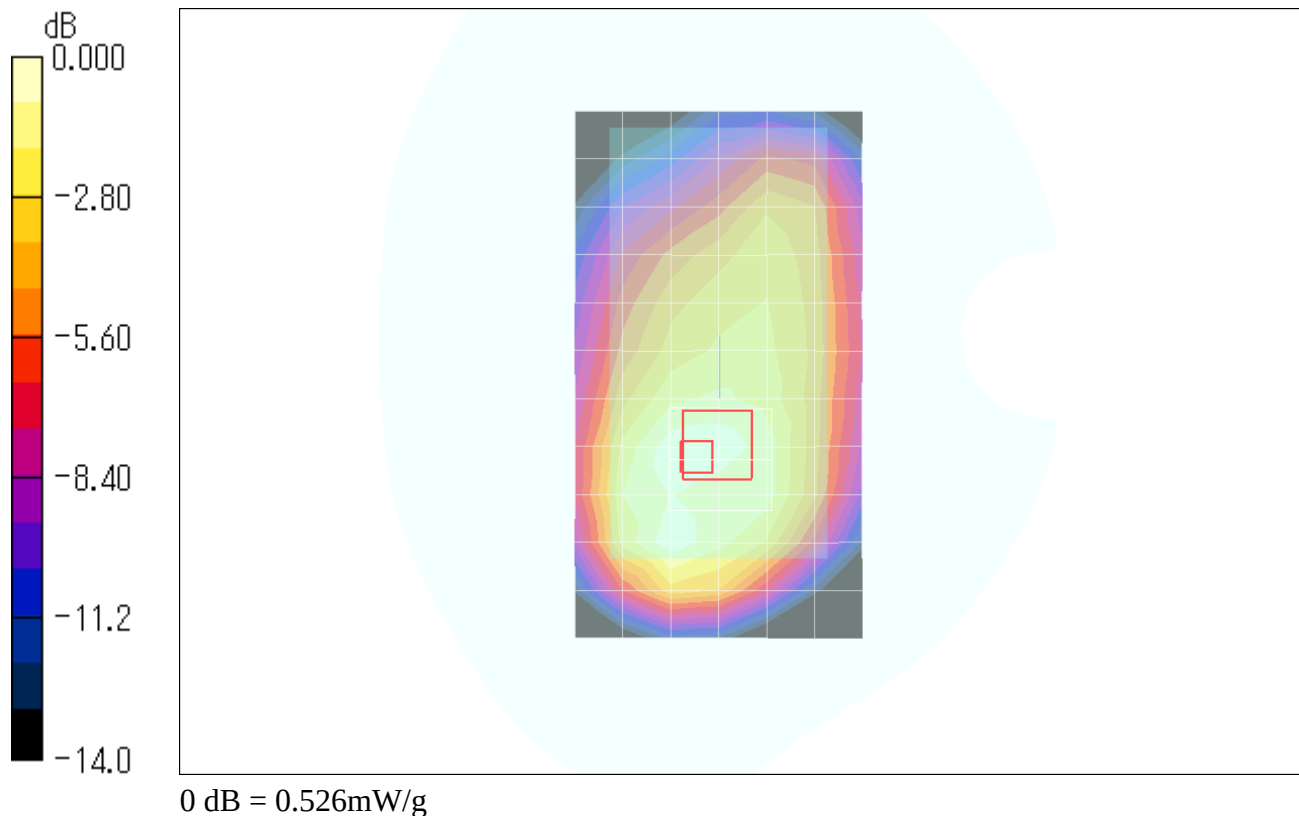
Rear Side w/touch-pen/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.771 W/kg

SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 0.526 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4233ch / WCDMA Band V**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL900 Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

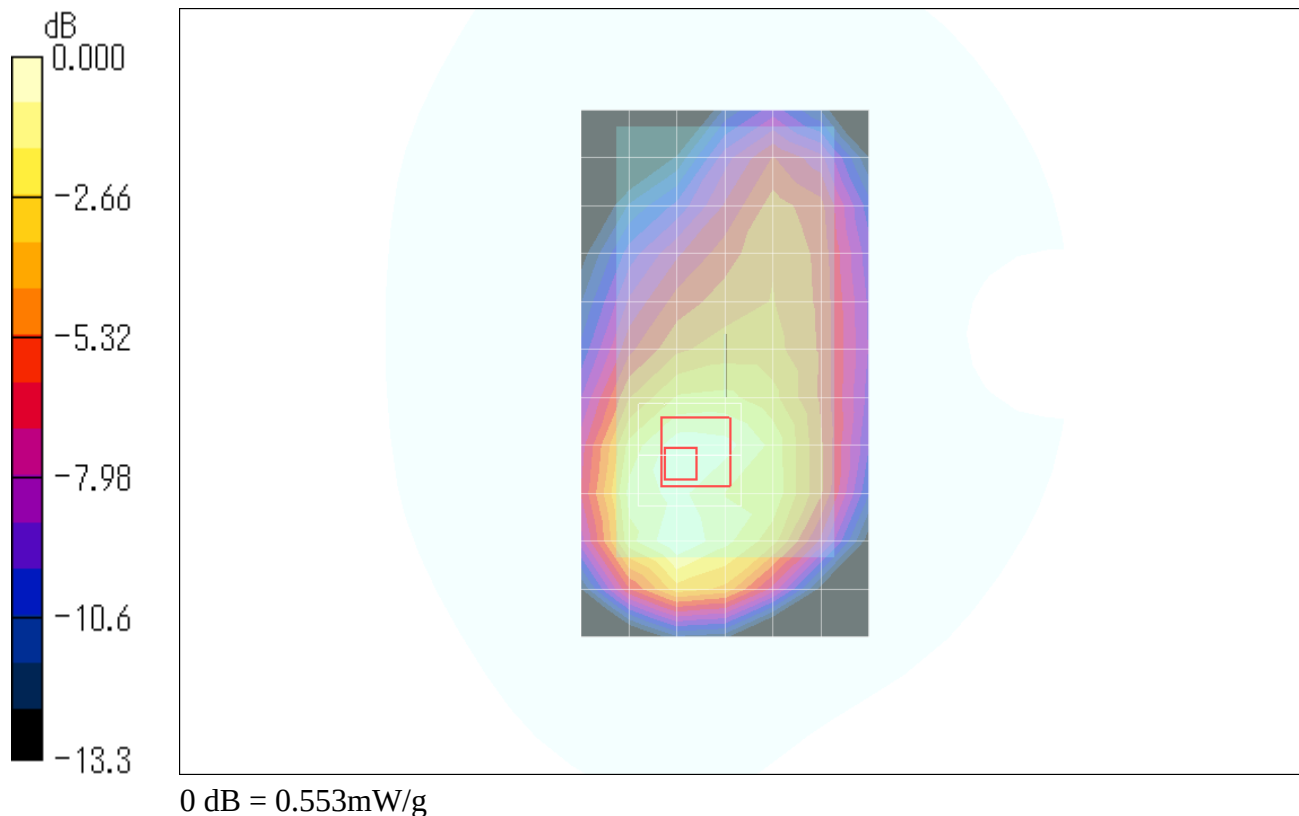
Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.843 W/kg

SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.326 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 4233ch / WCDMA Band V

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL900 Medium parameters used: $f = 846.6 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 55.3$; $\rho = 1000 \text{ kg/m}^3$

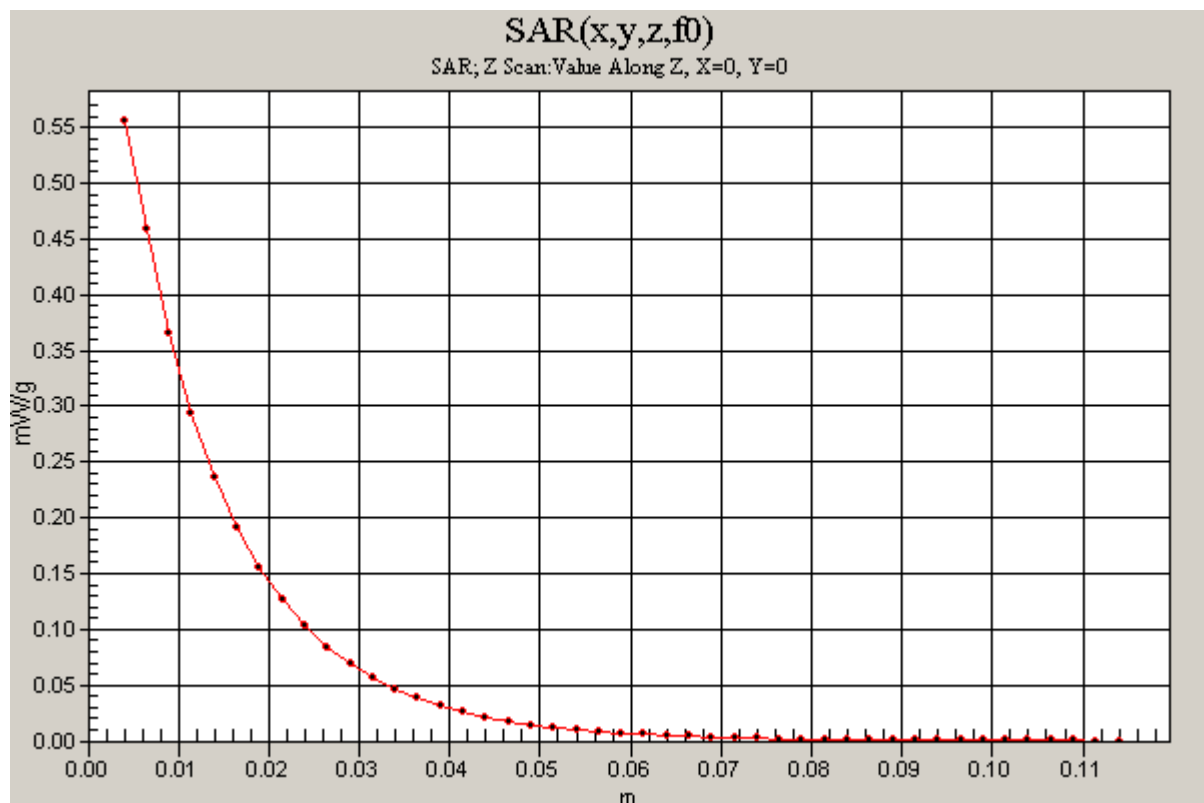
Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$
Maximum value of SAR (measured) = 0.556 mW/g



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

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 128ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.889$ mho/m; $\epsilon_r = 41.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.245 mW/g

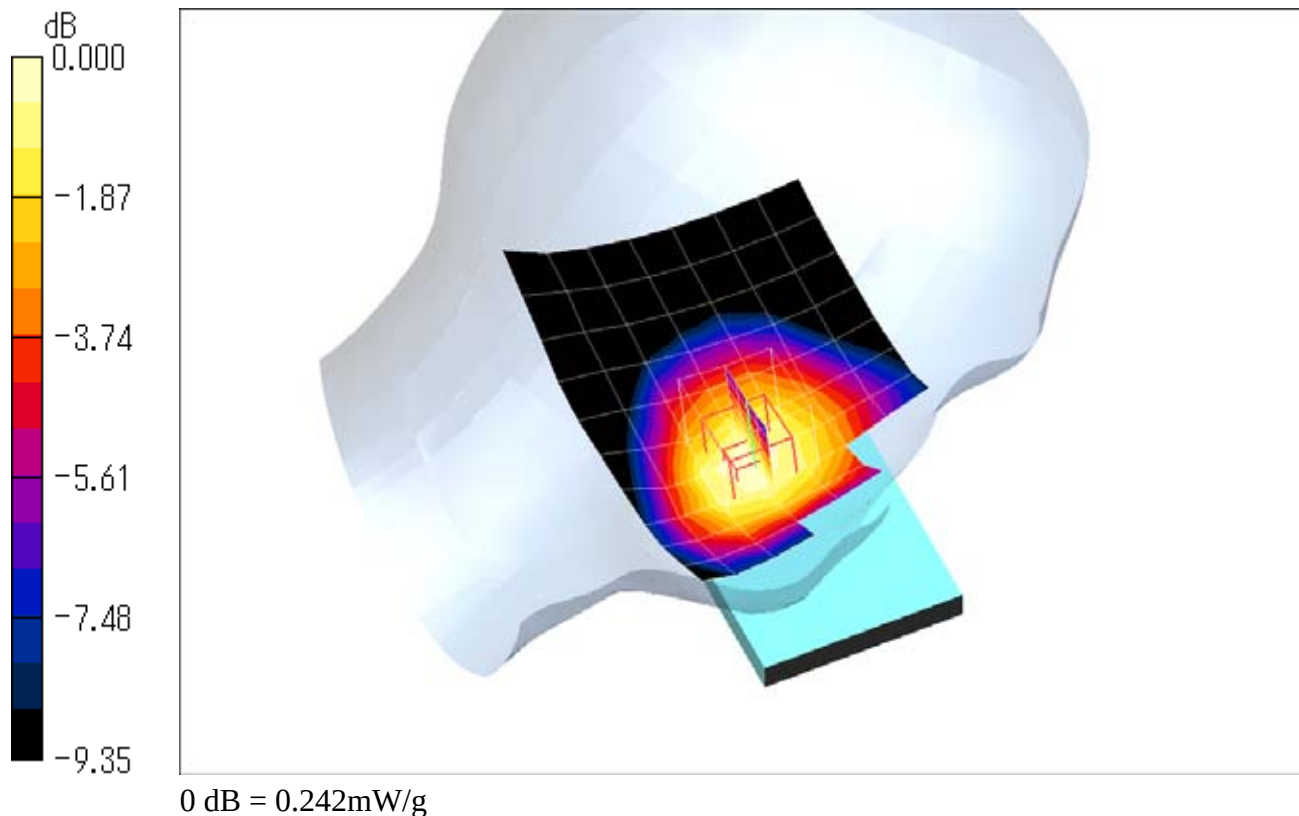
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.242 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

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

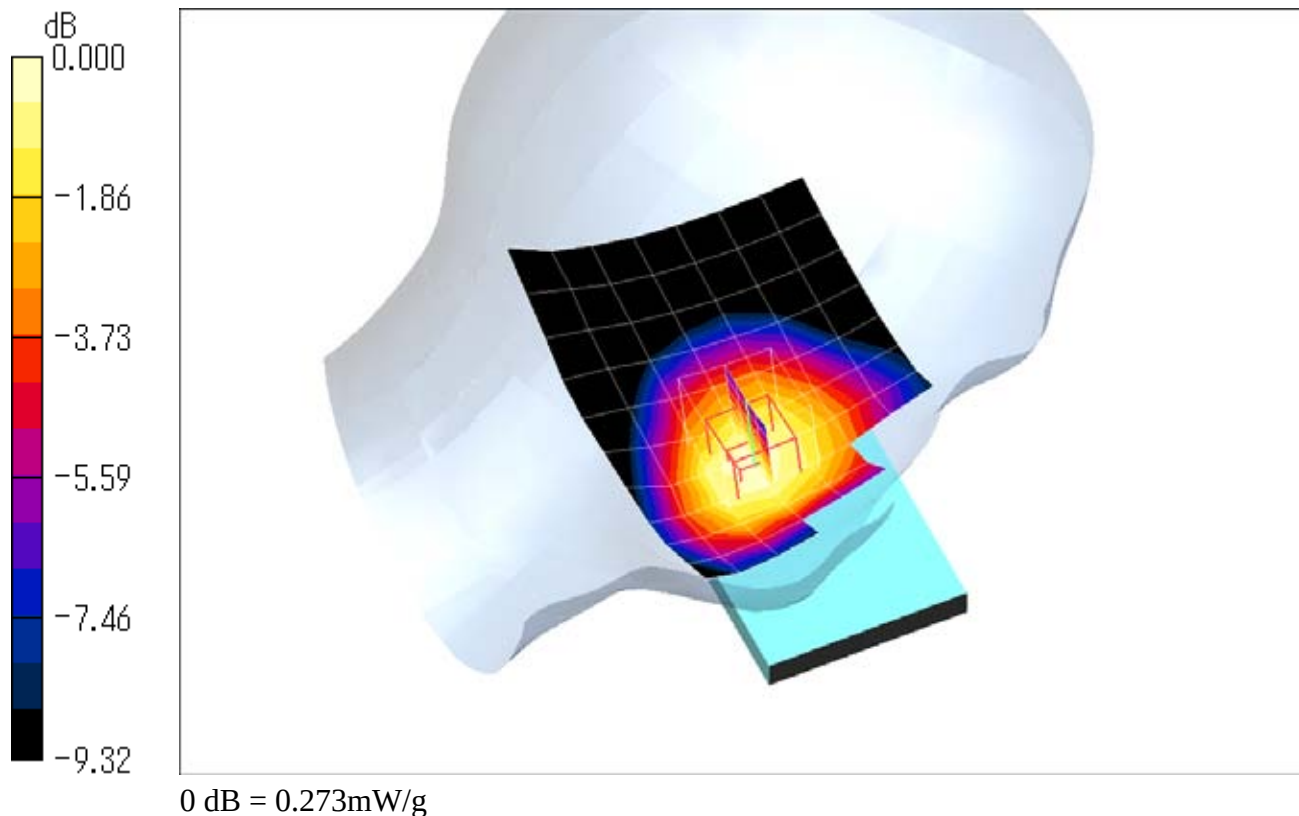
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.317 W/kg

SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.196 mW/g

Maximum value of SAR (measured) = 0.273 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

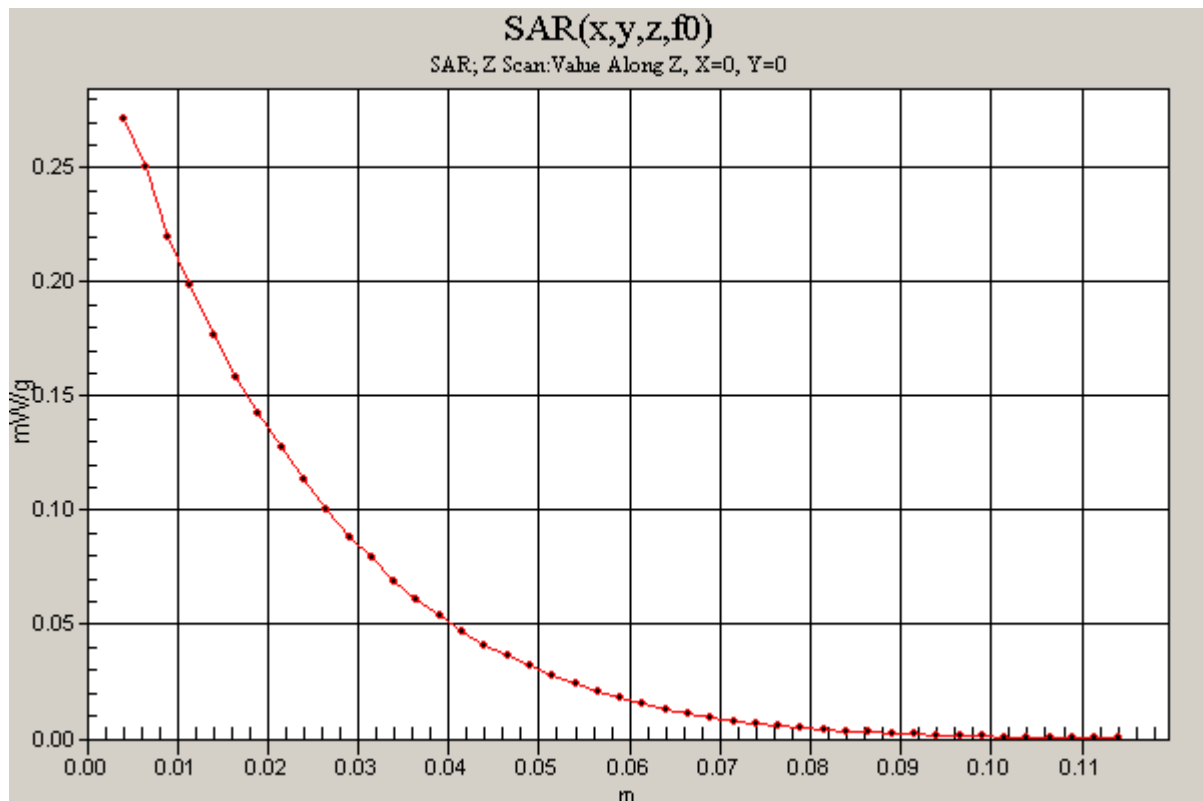
Medium: HSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Z Scan (1x1x45): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 0.271 mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

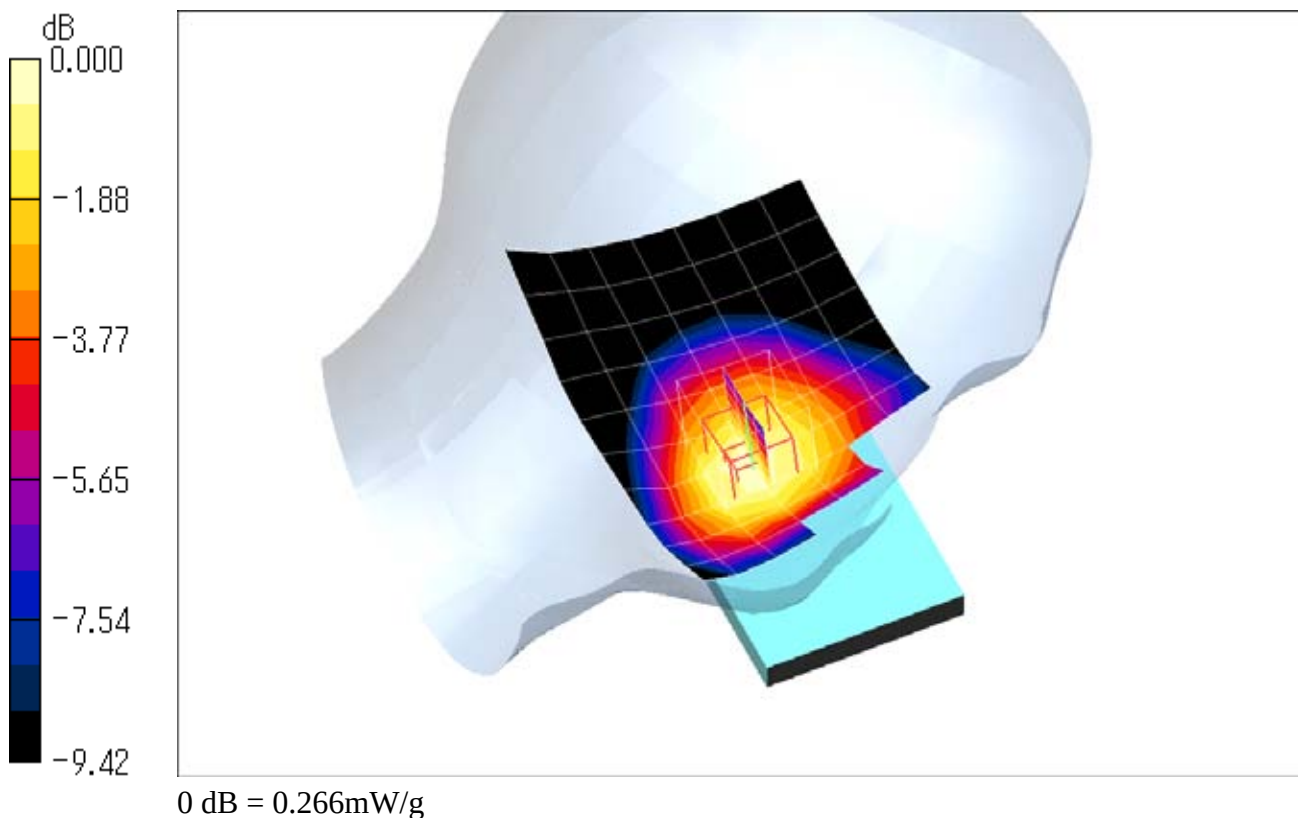
Cheek/Touch Position w/touch-pen/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.264 mW/g**Cheek/Touch Position w/touch-pen/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.192 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 251ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.913 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.265 mW/g

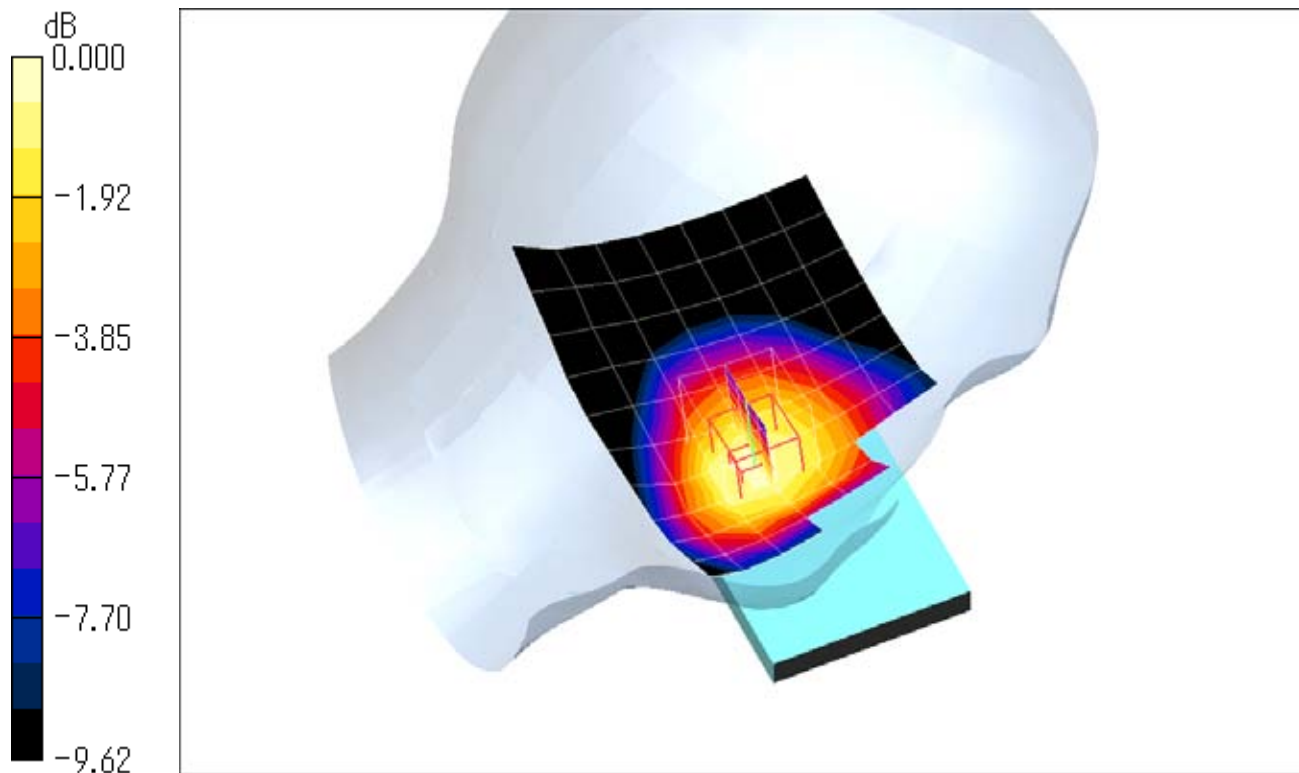
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.0 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.193 mW/g

Maximum value of SAR (measured) = 0.273 mW/g



0 dB = 0.273mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

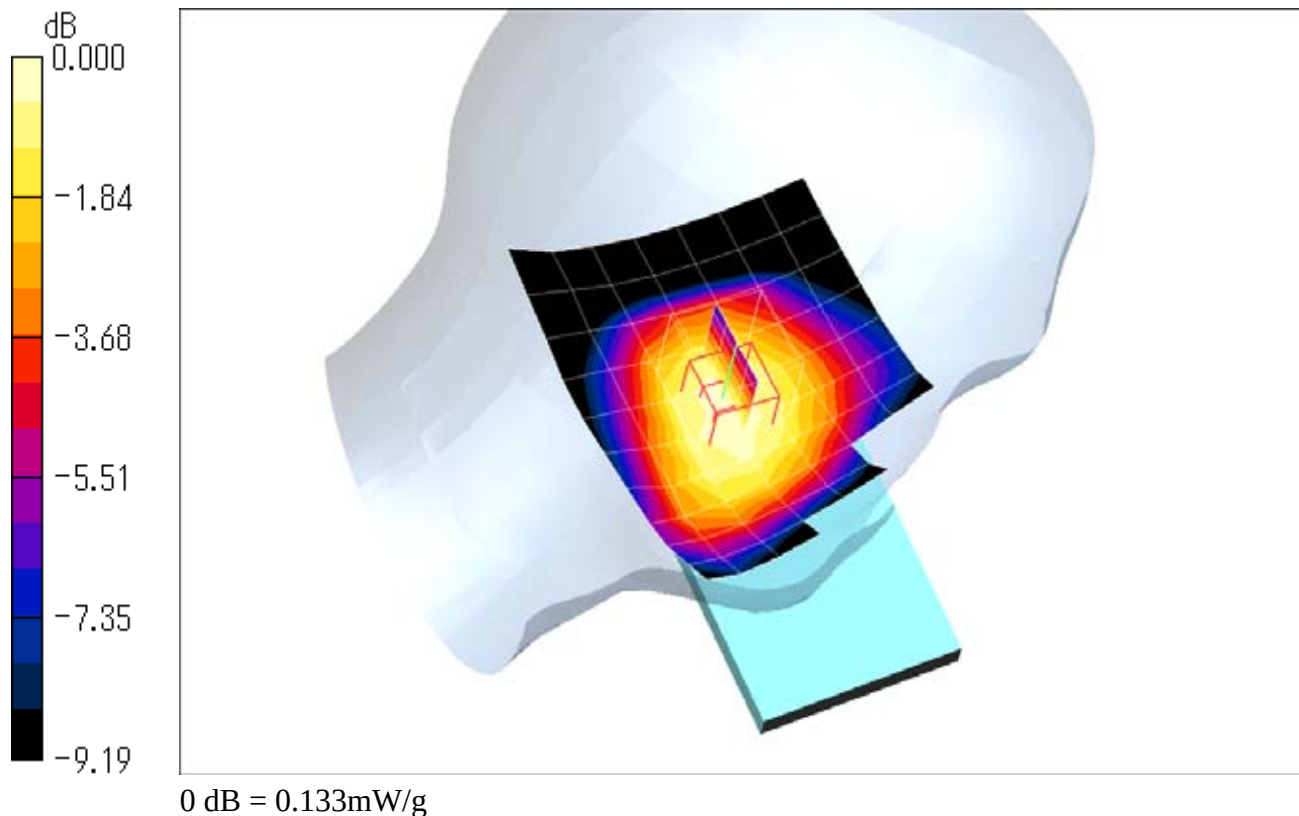
Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.129 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 = 12.0 V/m ; Power Drift = 0.023 dB Peak SAR (extrapolated) = 0.150 W/kg **SAR(1 g) = 0.125 mW/g ; SAR(10 g) = 0.097 mW/g** Maximum value of SAR (measured) = 0.133 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

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

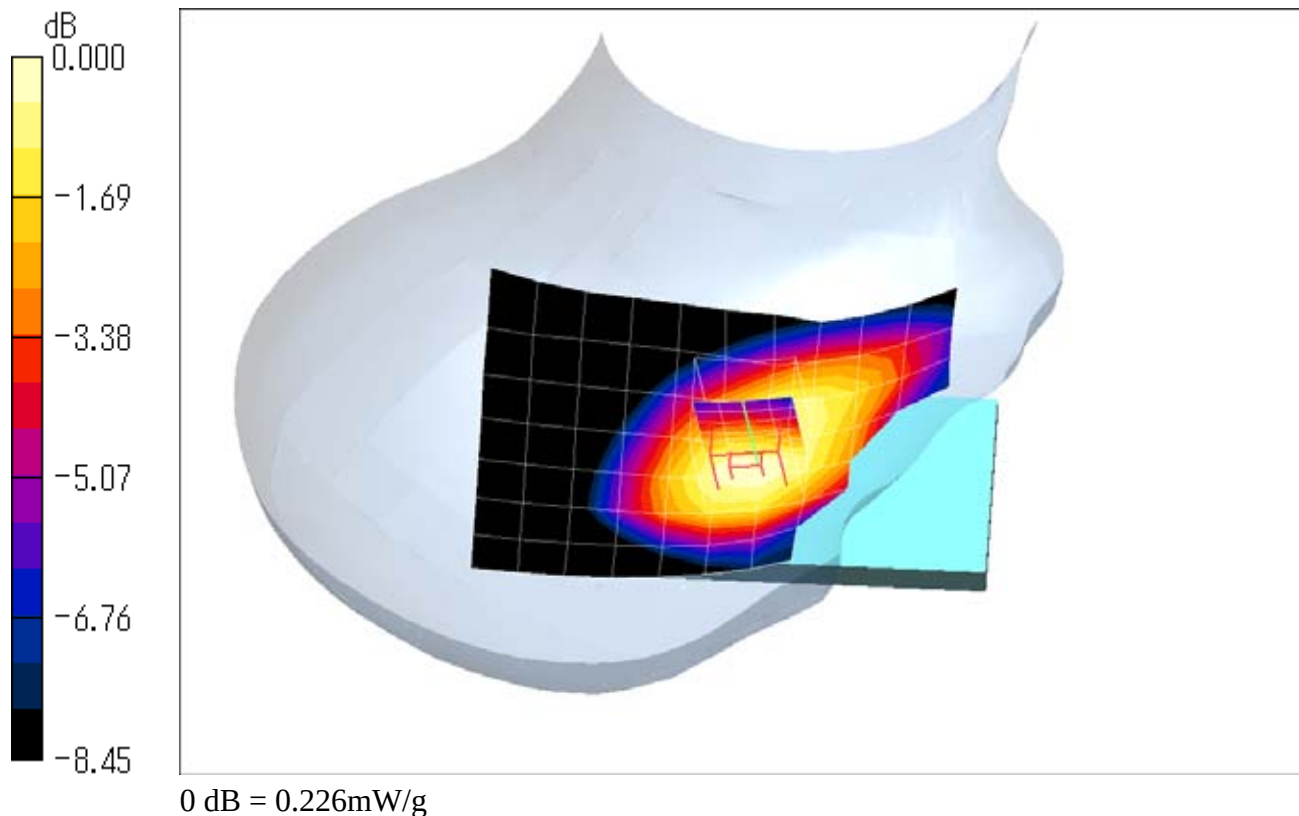
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.226 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.140 mW/g

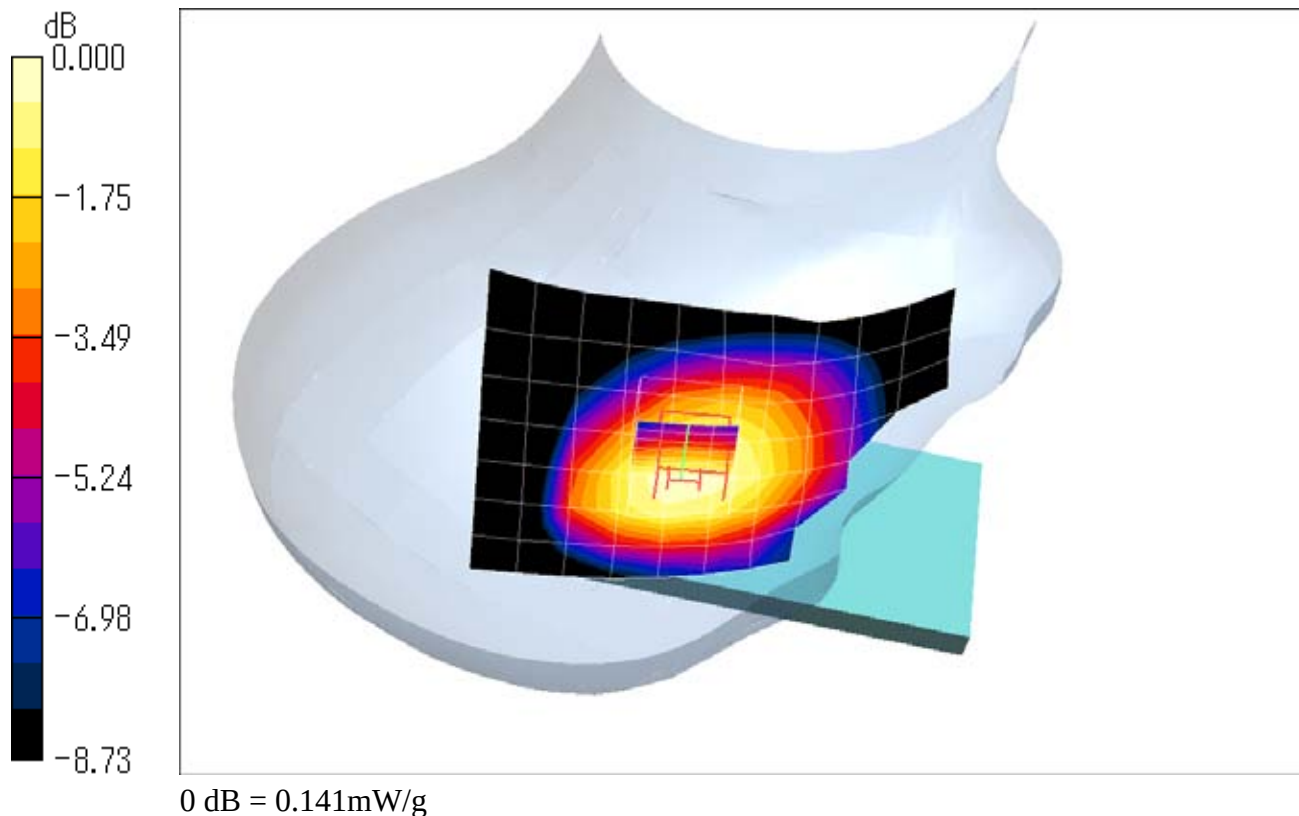
Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.0 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.102 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.095 mW/g

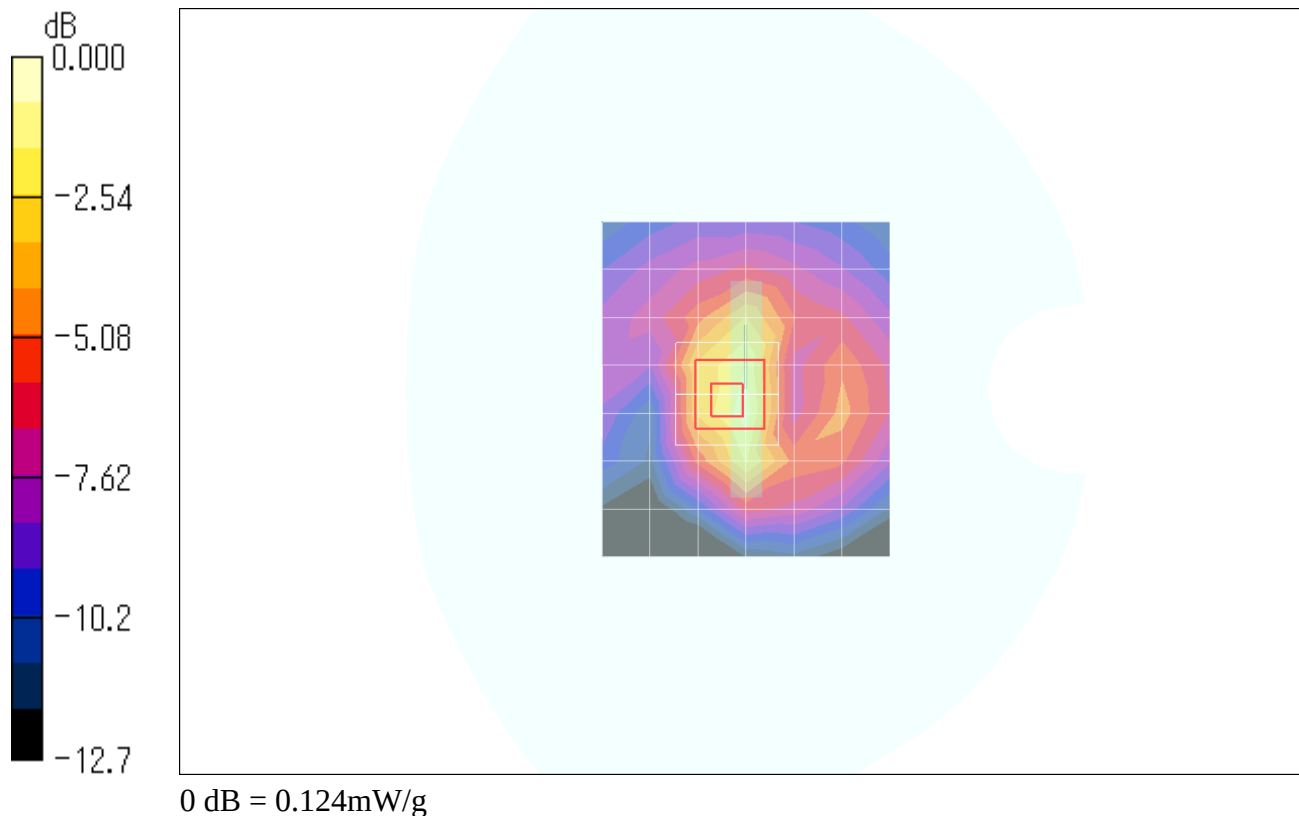
Bottom Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.058 mW/g

Maximum value of SAR (measured) = 0.124 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.322 mW/g

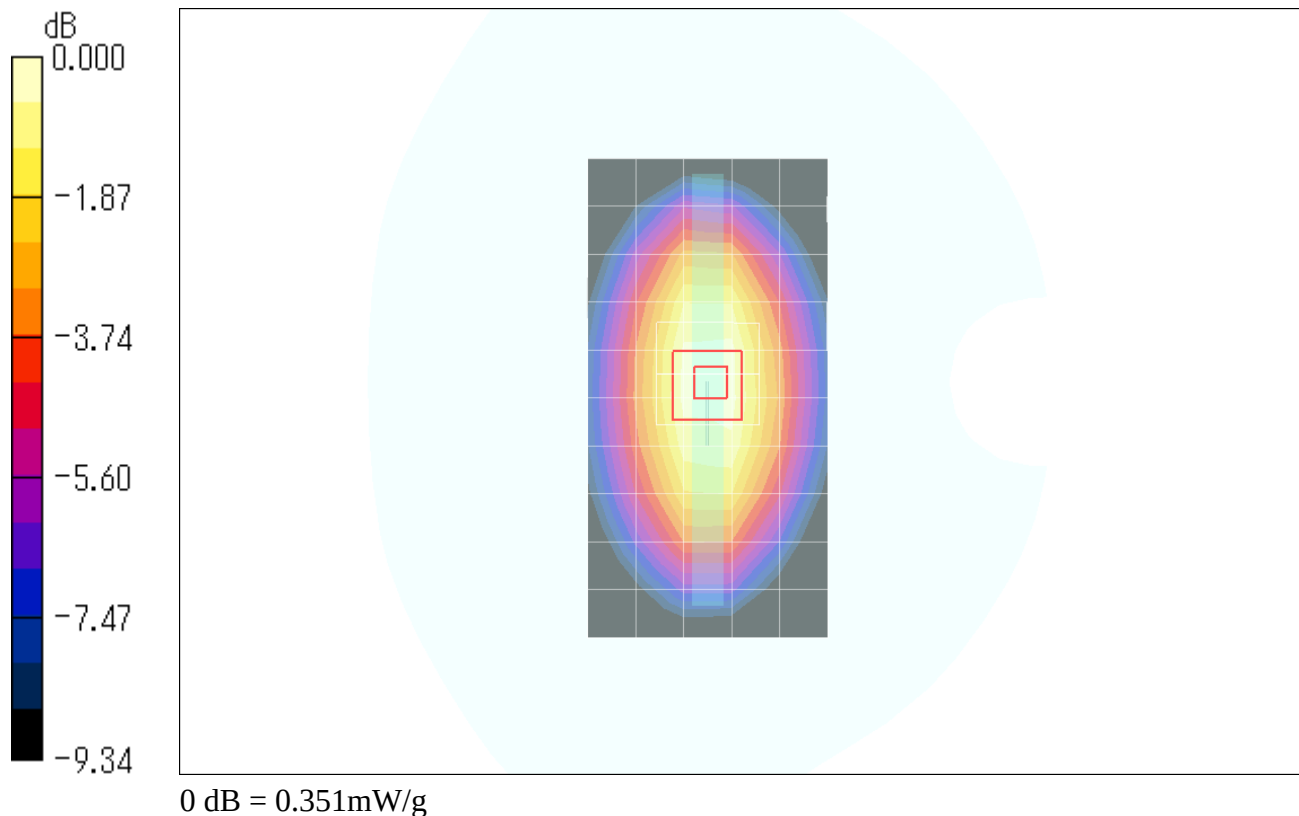
Left Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.230 mW/g

Maximum value of SAR (measured) = 0.351 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 189ch / GSM 850 - GPRS 4slot

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

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

Medium: MSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.969 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.201 mW/g

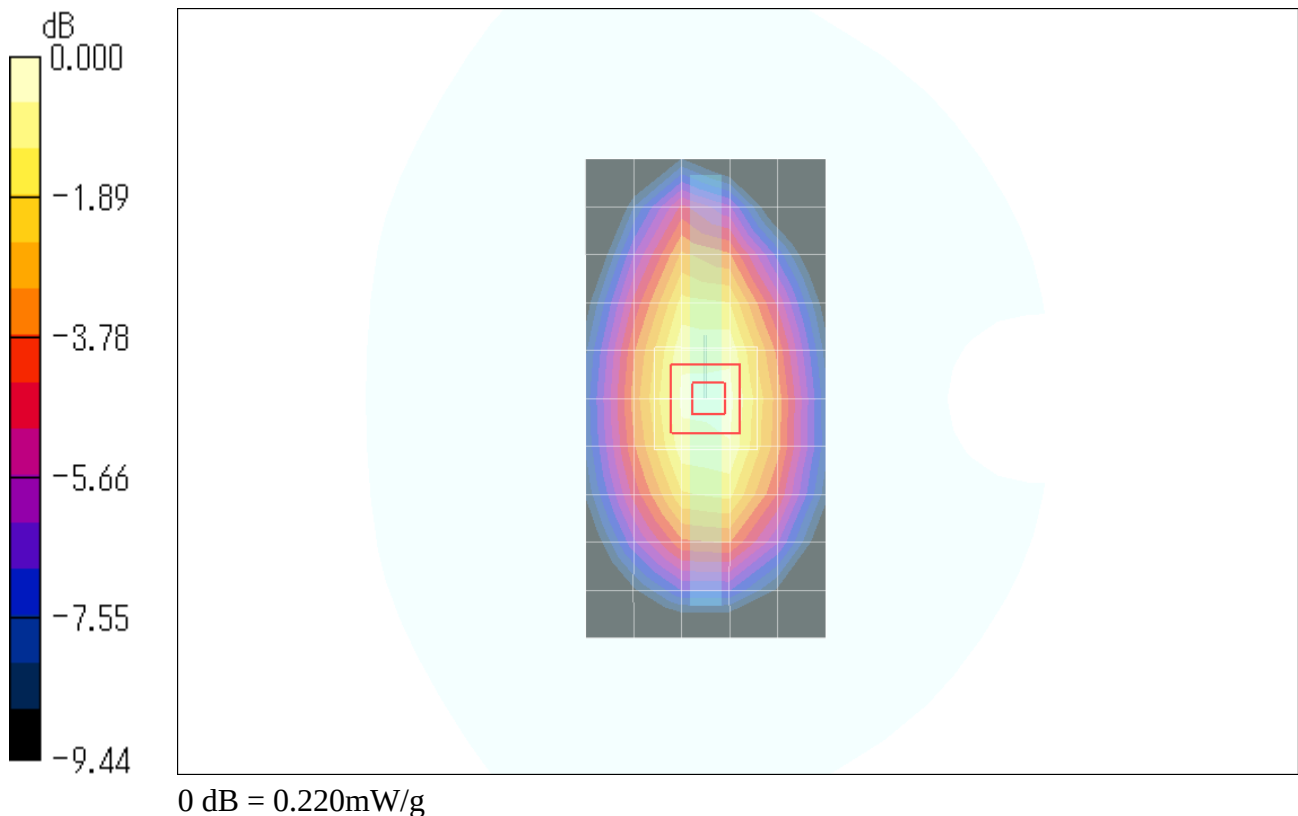
Right Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.8 V/m ; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.207 mW/g ; SAR(10 g) = 0.143 mW/g

Maximum value of SAR (measured) = 0.220 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.296 mW/g

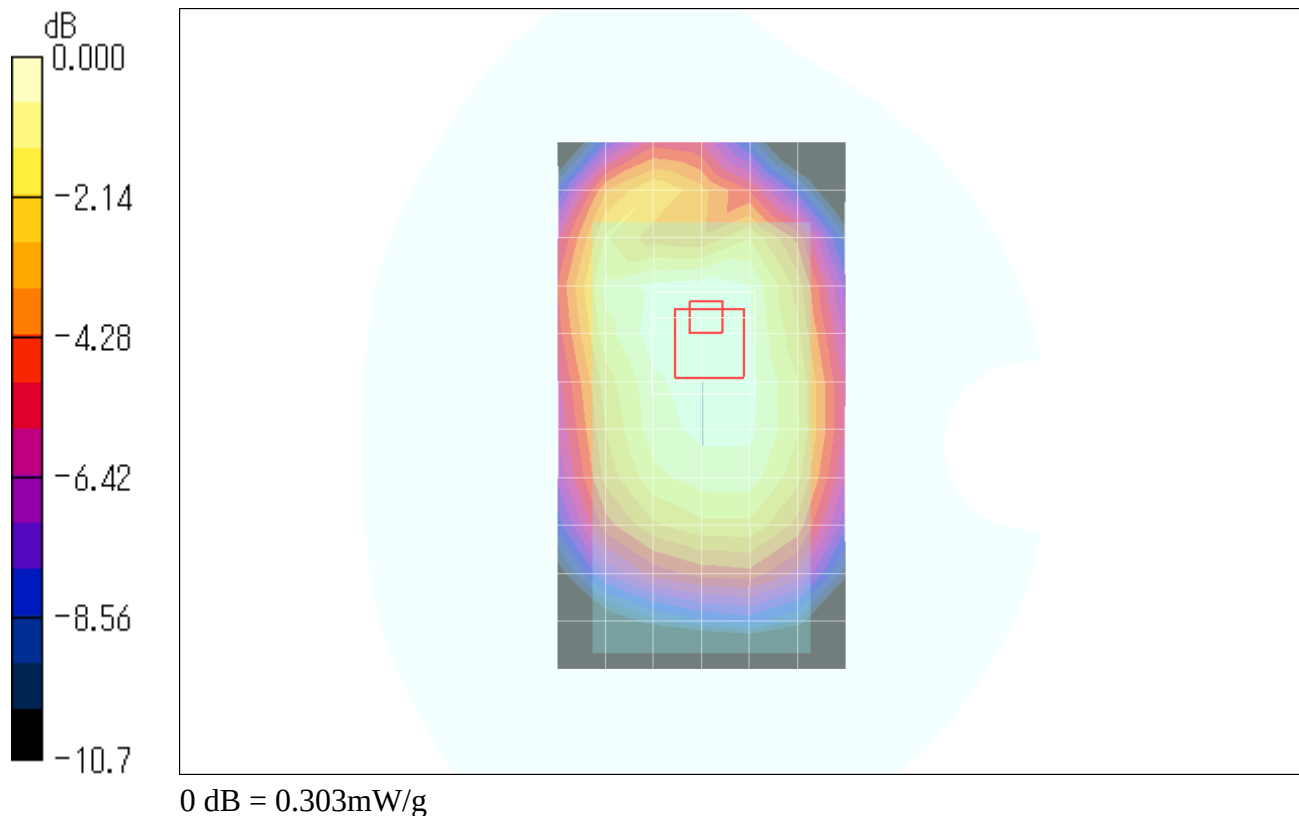
Front Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.219 mW/g

Maximum value of SAR (measured) = 0.303 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 128ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.956$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.449 mW/g

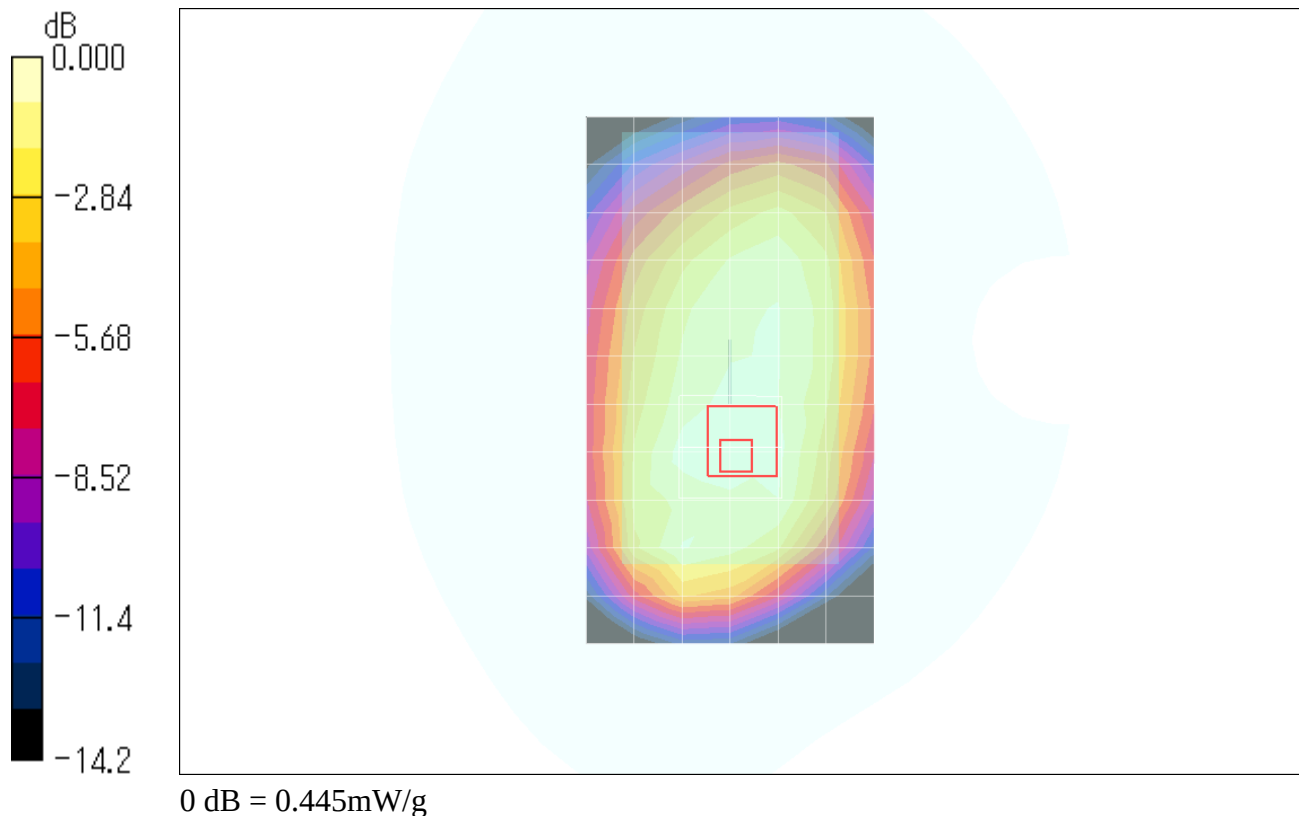
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 0.445 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

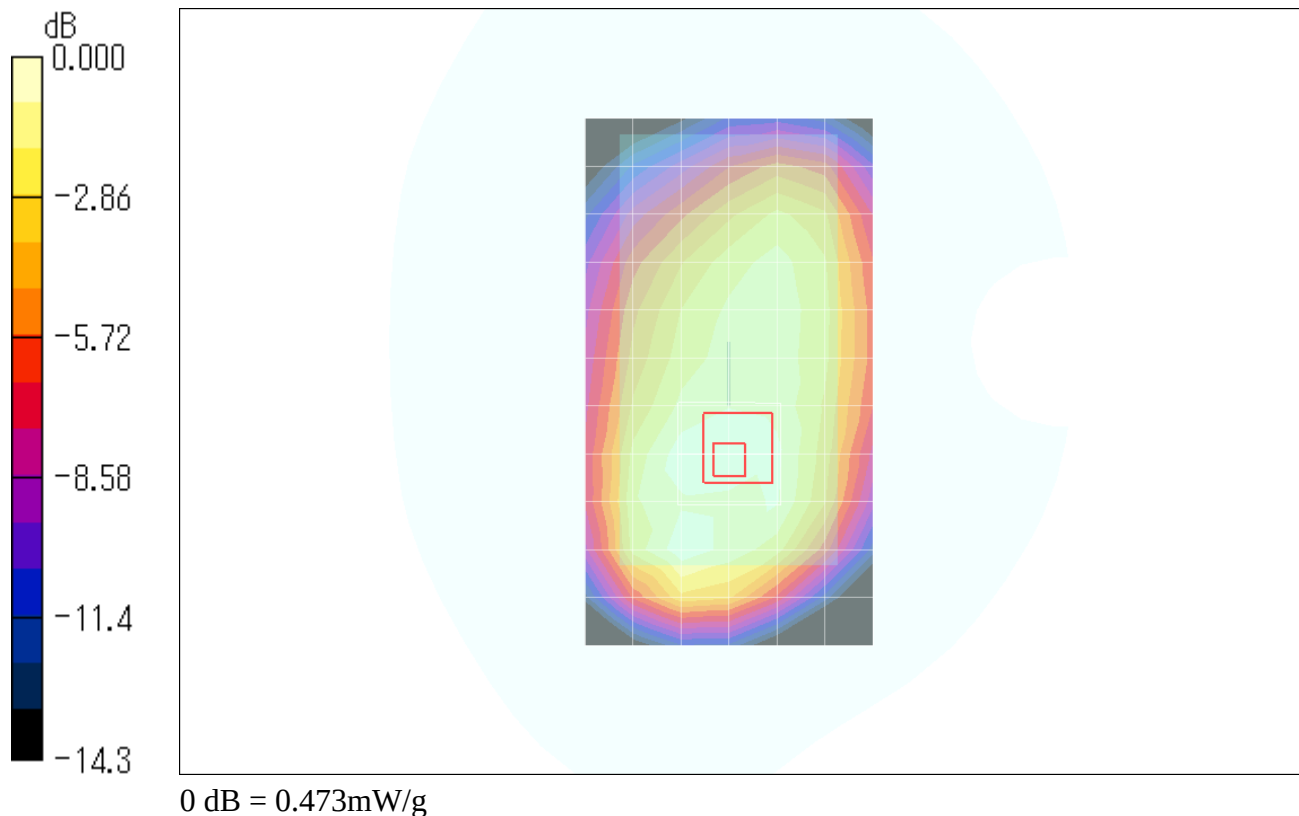
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.683 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.317 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 251ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

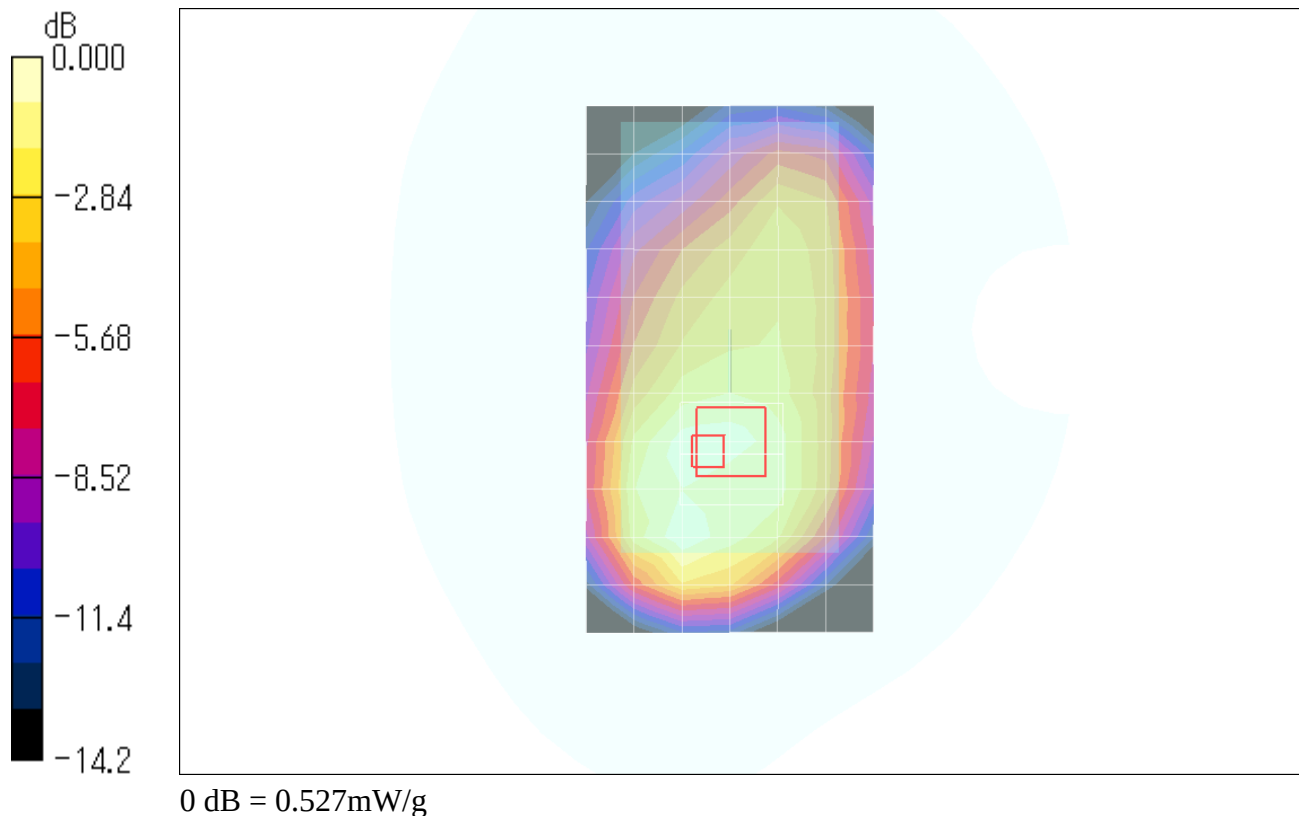
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = -0.067 dB

Peak SAR (extrapolated) = 0.774 W/kg

SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.321 mW/g

Maximum value of SAR (measured) = 0.527 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 189ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.513 mW/g

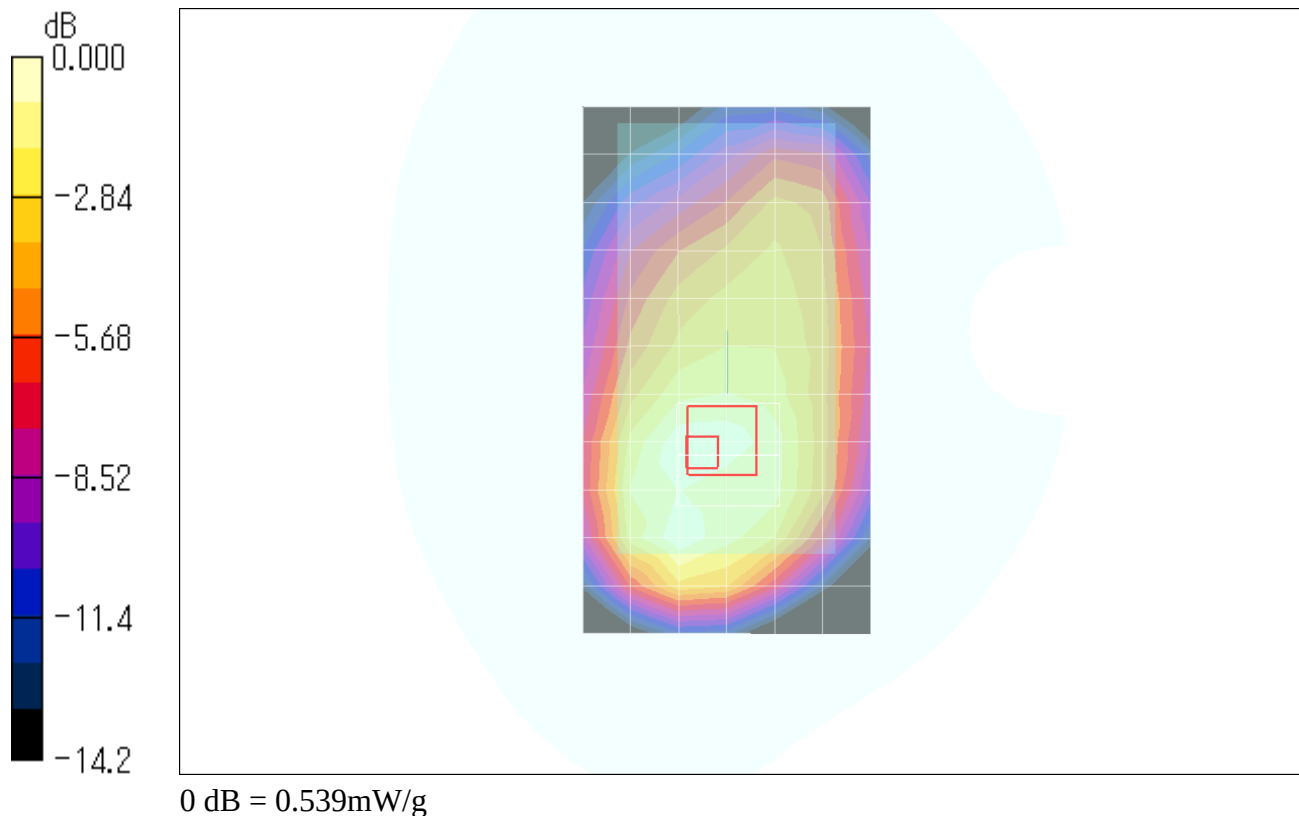
Rear Side w/touch-pen/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.328 mW/g

Maximum value of SAR (measured) = 0.539 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 251ch / GSM 850 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL900 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.983 \text{ mho/m}$; $\epsilon_r = 55.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.564 mW/g

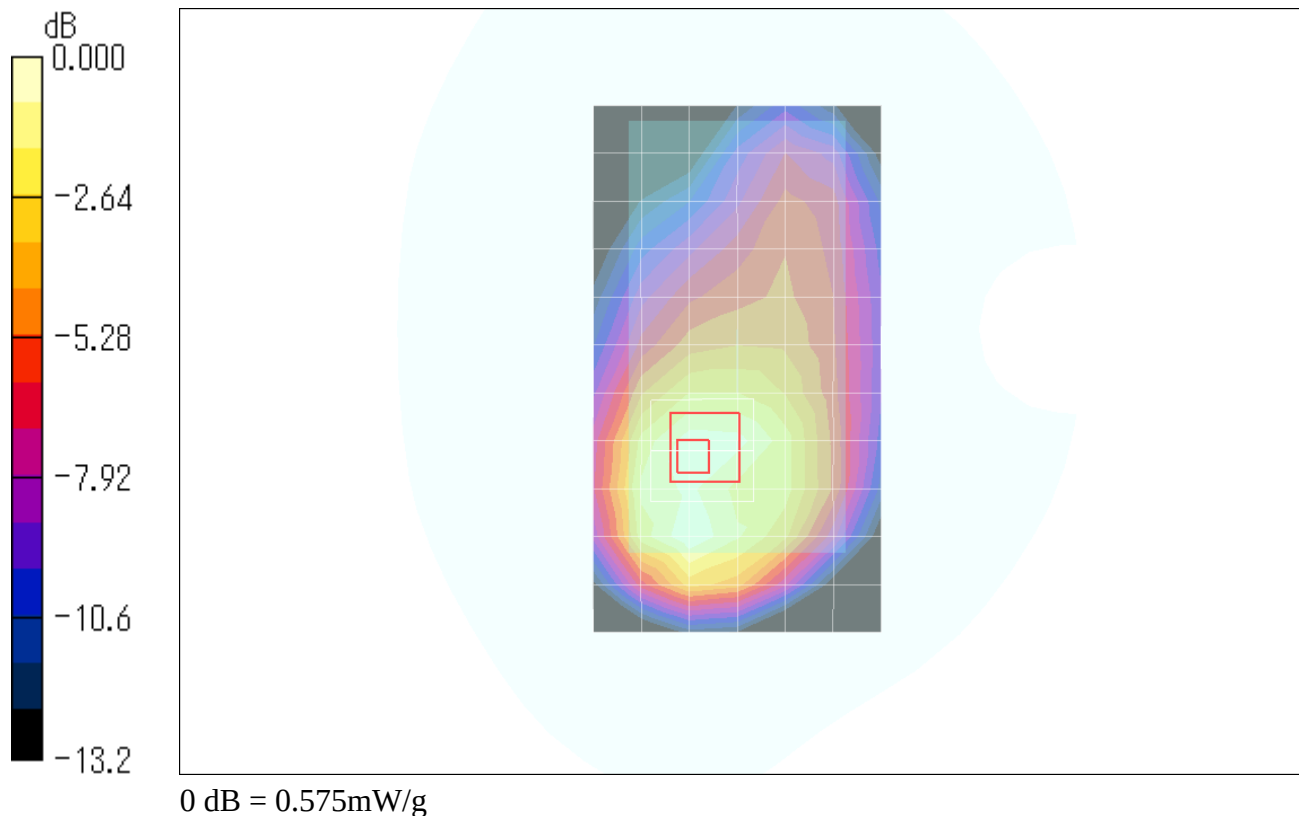
Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.5 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.844 W/kg

SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.575 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 251ch / GSM 850 - GPRS 4slot

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

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

Medium: MSL900 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.983 \text{ mho/m}$; $\epsilon_r = 55.3$; $\rho = 1000 \text{ kg/m}^3$

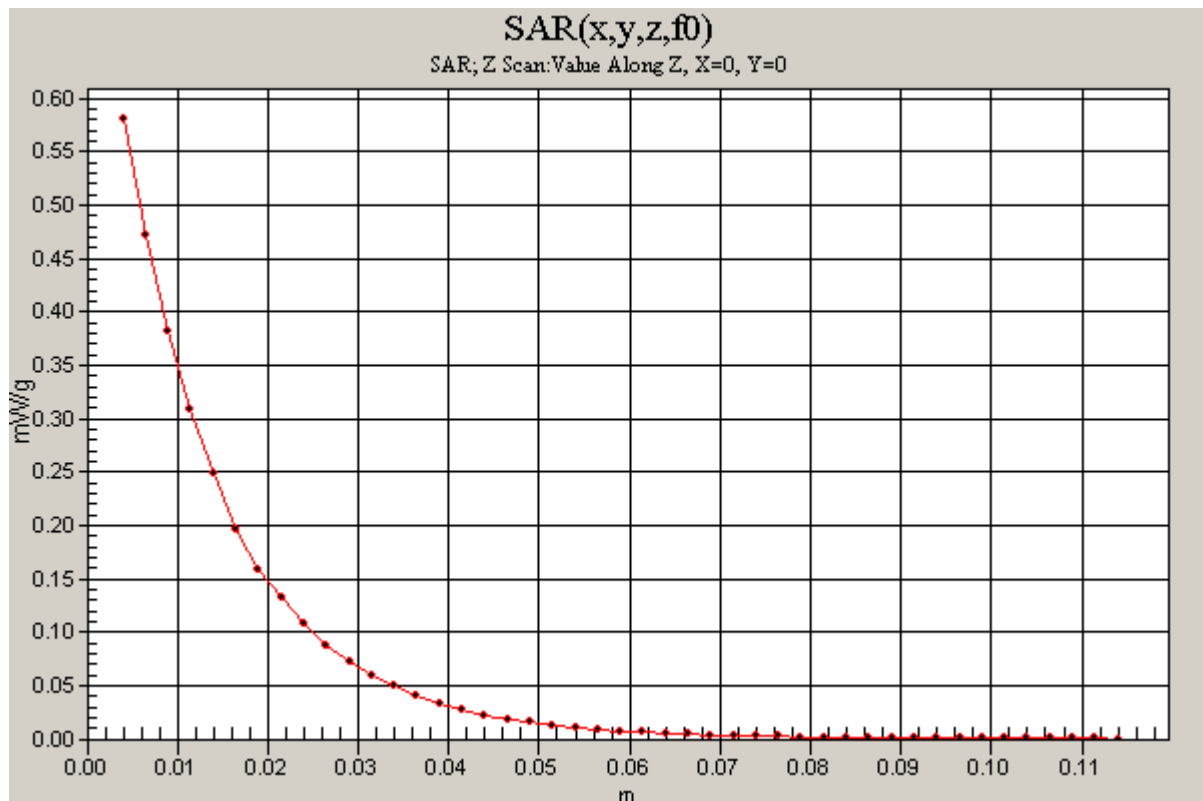
Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$
Maximum value of SAR (measured) = 0.581 mW/g



Appendix 2-3 – SAR Test Plots (PCS 1900)

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 661ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

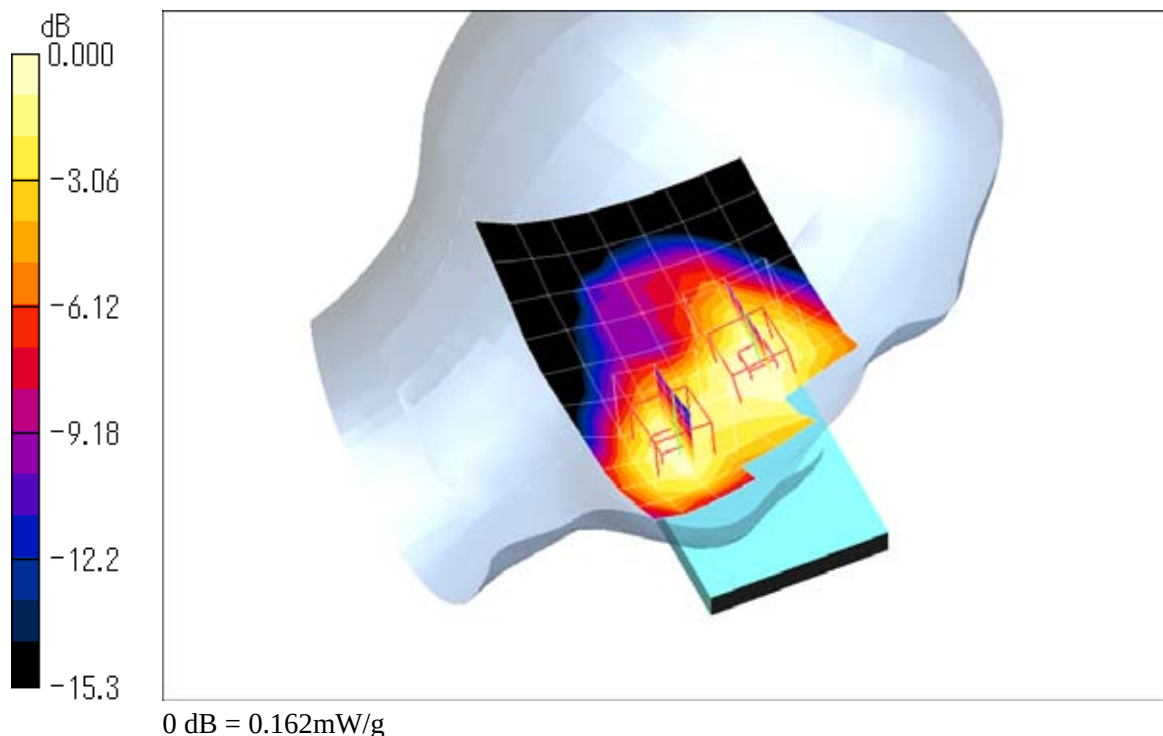
Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.166 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 = 9.62 V/m ; Power Drift = 0.008 dB Peak SAR (extrapolated) = 0.209 W/kg **SAR(1 g) = 0.159 mW/g ; SAR(10 g) = 0.108 mW/g** Maximum value of SAR (measured) = 0.172 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 = 9.62 V/m ; Power Drift = 0.008 dB Peak SAR (extrapolated) = 0.220 W/kg **SAR(1 g) = 0.152 mW/g ; SAR(10 g) = 0.097 mW/g** Maximum value of SAR (measured) = 0.162 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 661ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

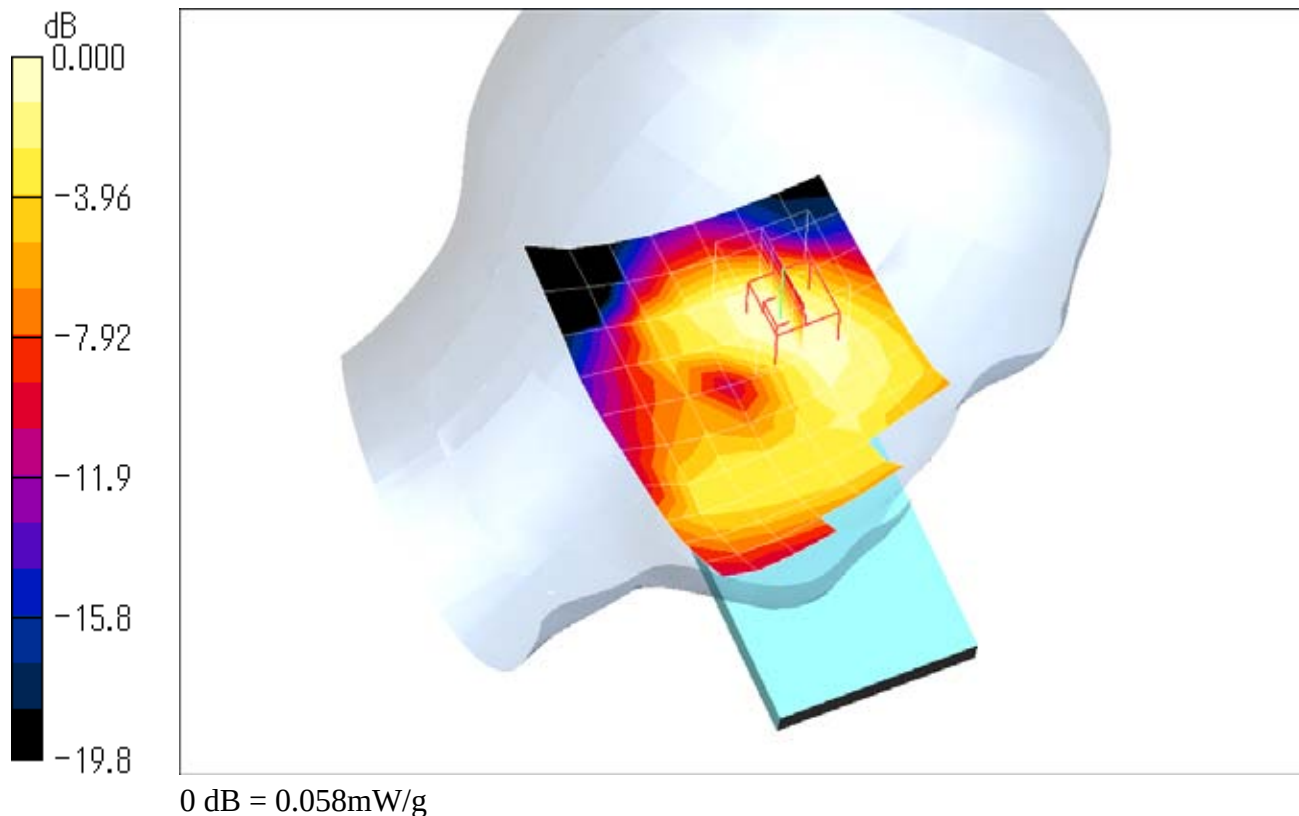
Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.059 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 = 5.94 V/m ; Power Drift = -0.023 dB Peak SAR (extrapolated) = 0.075 W/kg **SAR(1 g) = 0.053 mW/g ; SAR(10 g) = 0.035 mW/g** Maximum value of SAR (measured) = 0.058 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 512ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

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

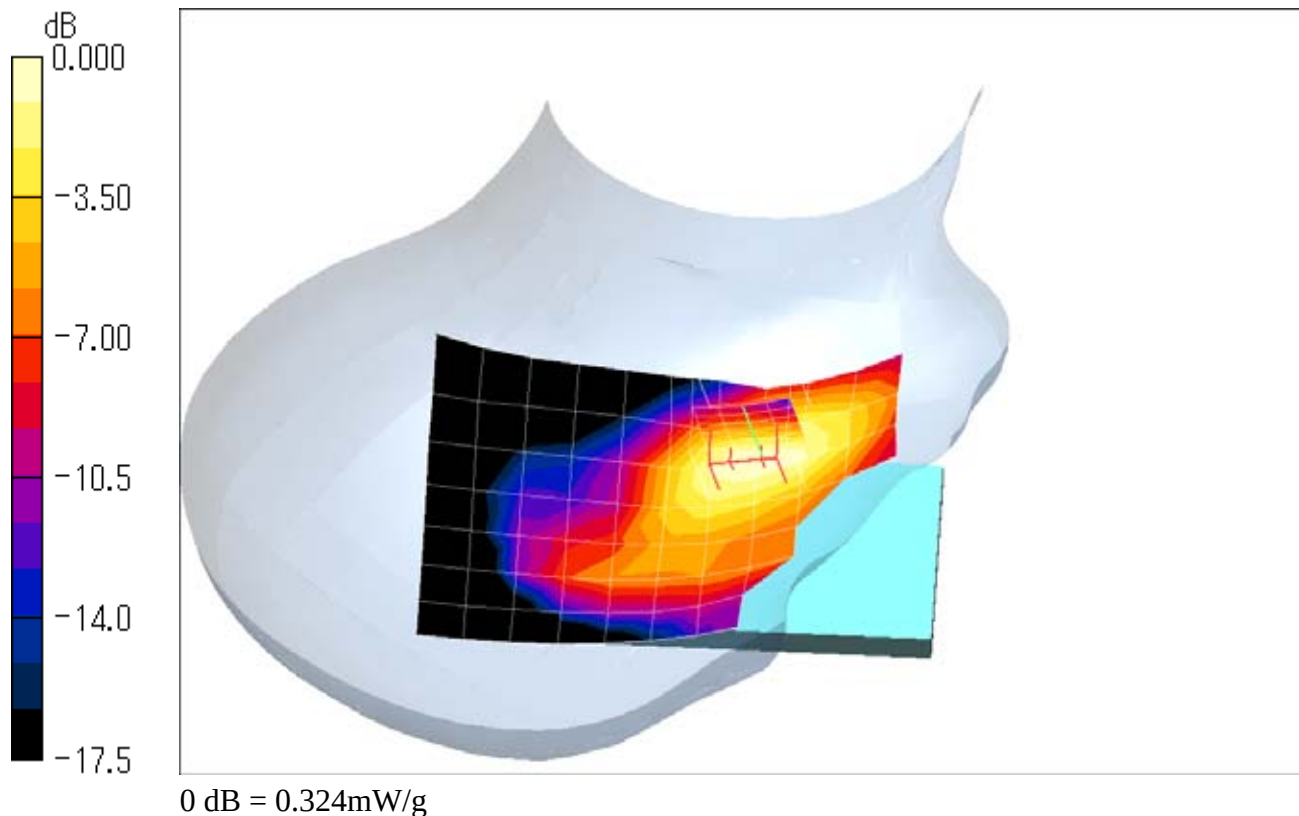
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.193 mW/g

Maximum value of SAR (measured) = 0.324 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 661ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL1900 Medium parameters used: $f = 1880$ 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(5.06, 5.06, 5.06); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.321 mW/g

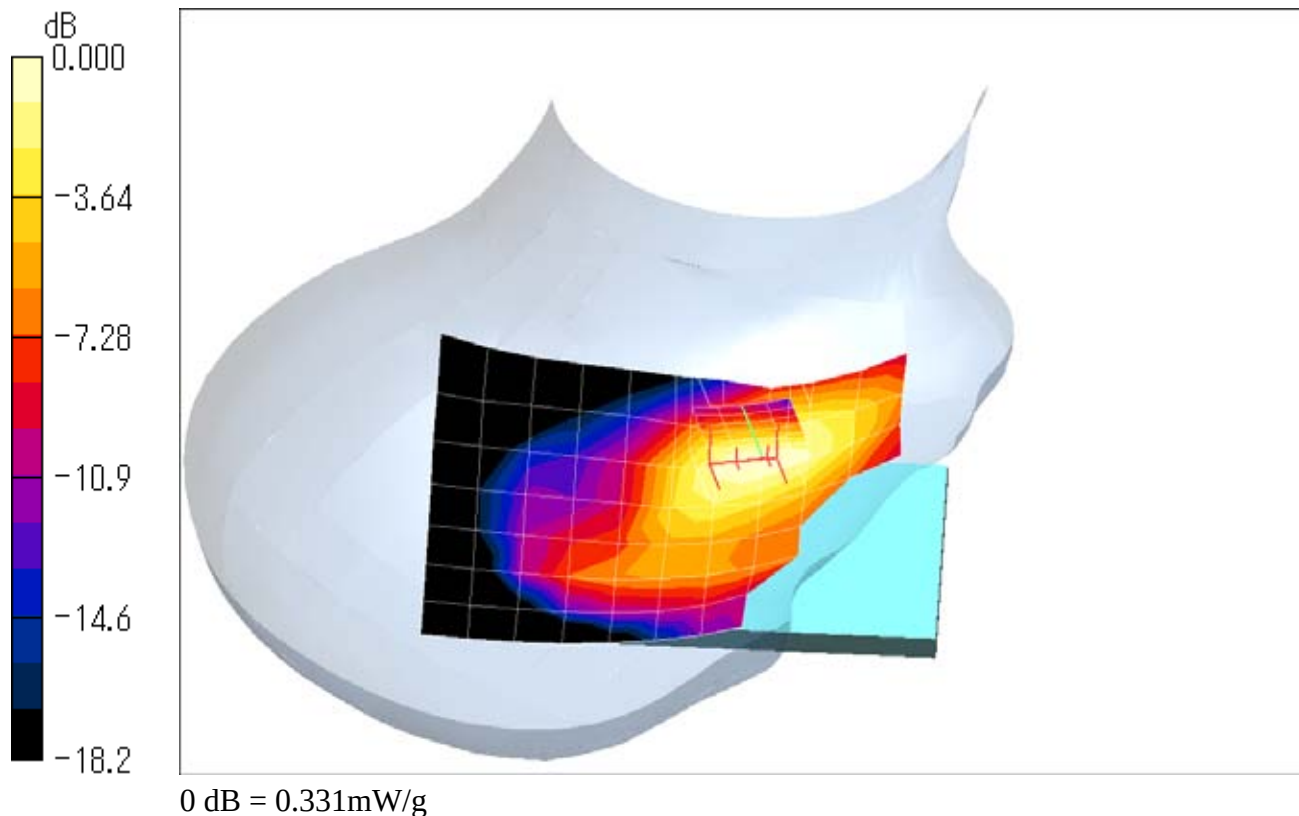
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 0.331 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 810ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.322 mW/g

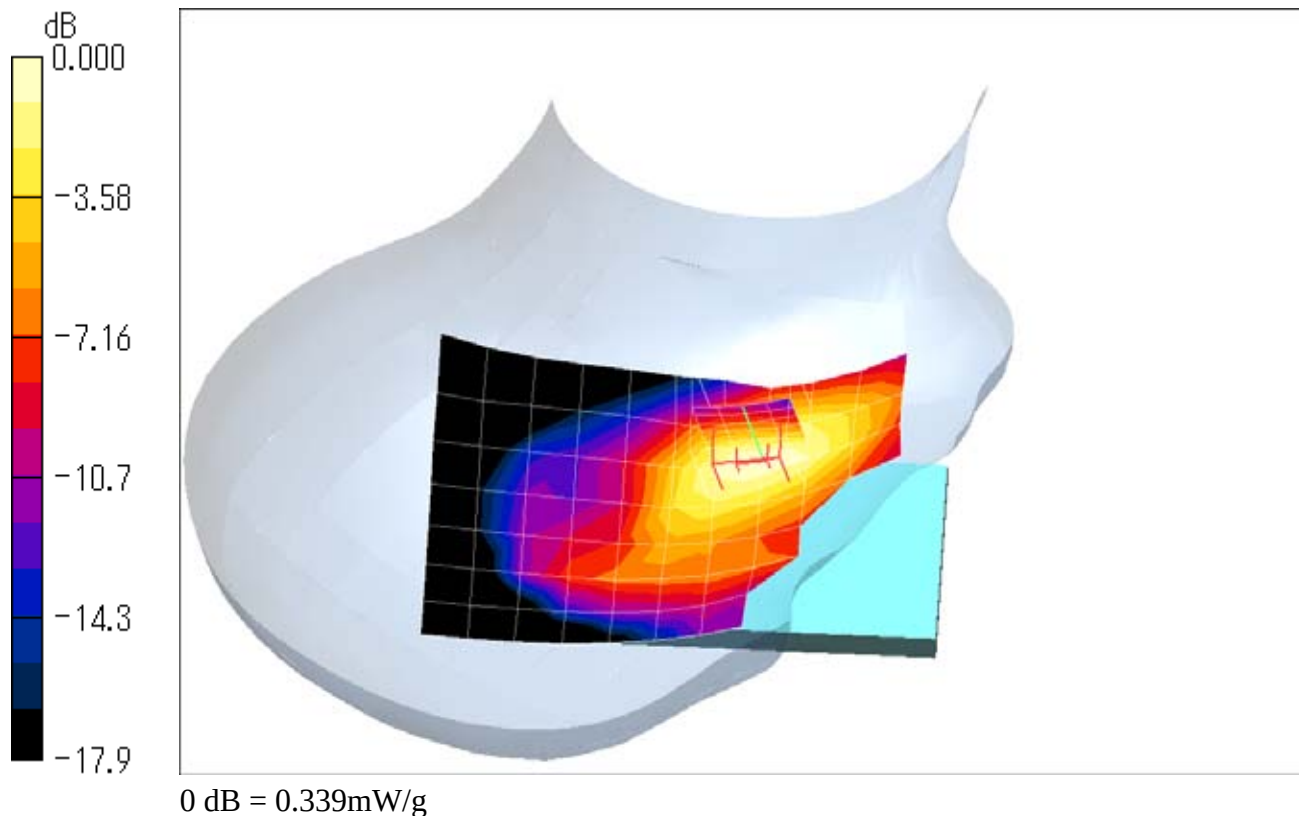
Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.5 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.193 mW/g

Maximum value of SAR (measured) = 0.339 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 810ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

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

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

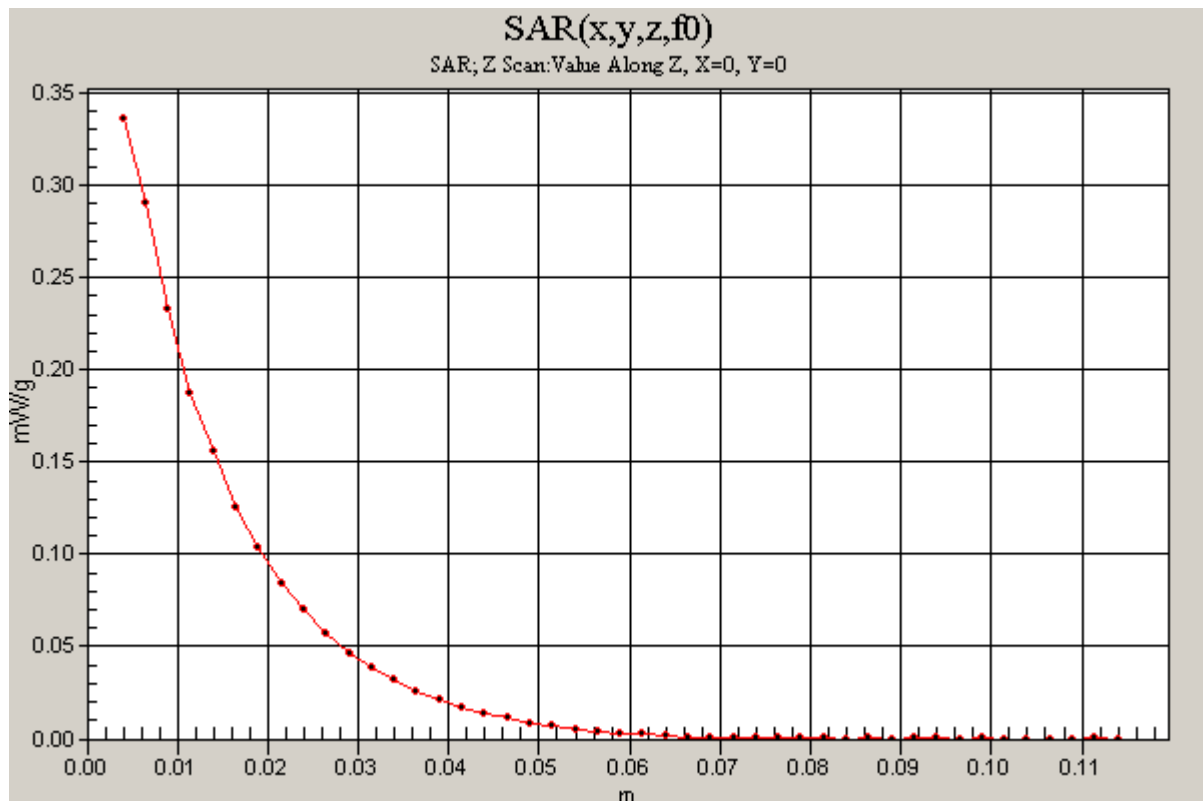
Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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) = 0.336 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 810ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

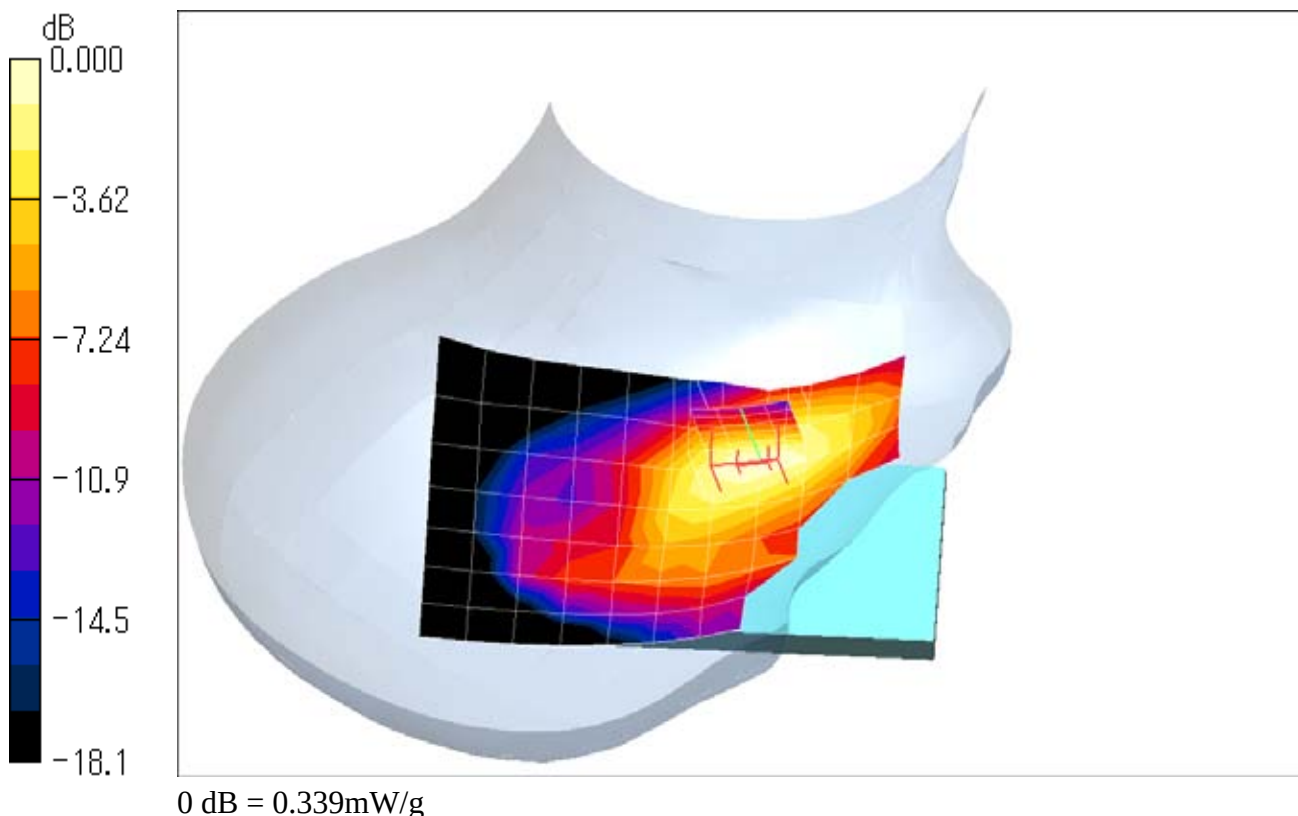
Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position w/touch-pen/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.322 mW/g**Cheek/Touch Position w/touch-pen/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 10.7 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.439 W/kg
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.339 mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

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

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (11x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.064 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 = 6.61 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.095 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

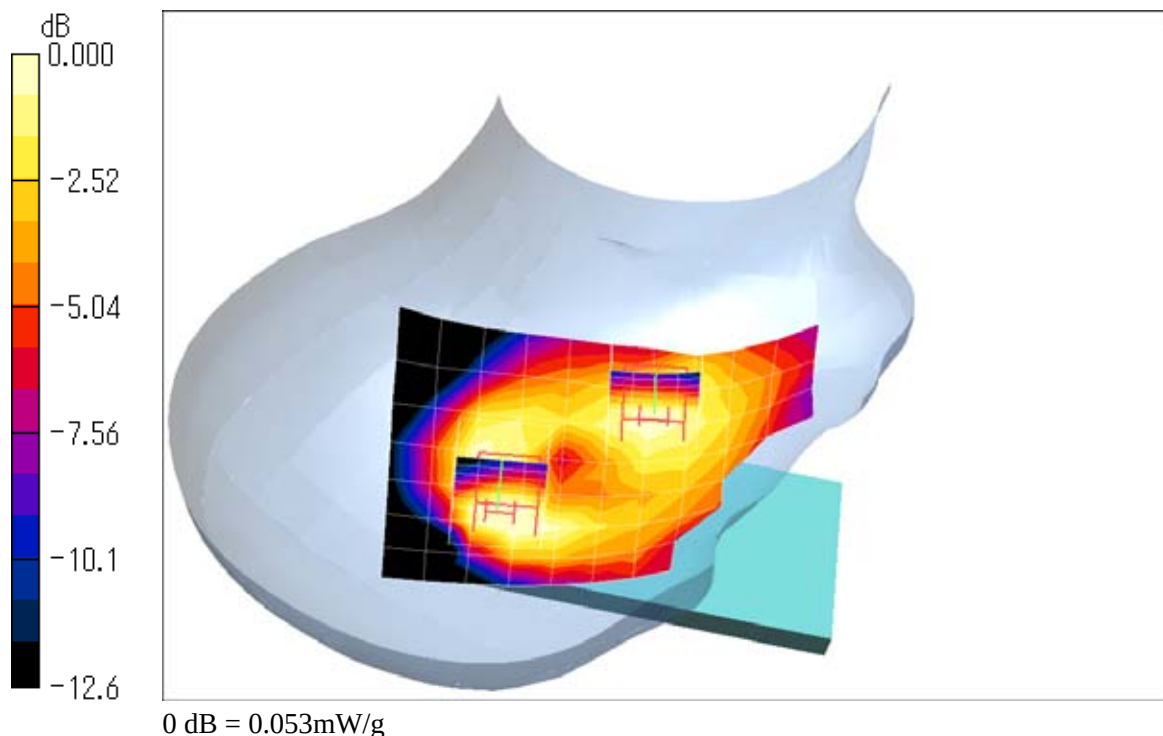
Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.61 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.065 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.053 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.479 mW/g

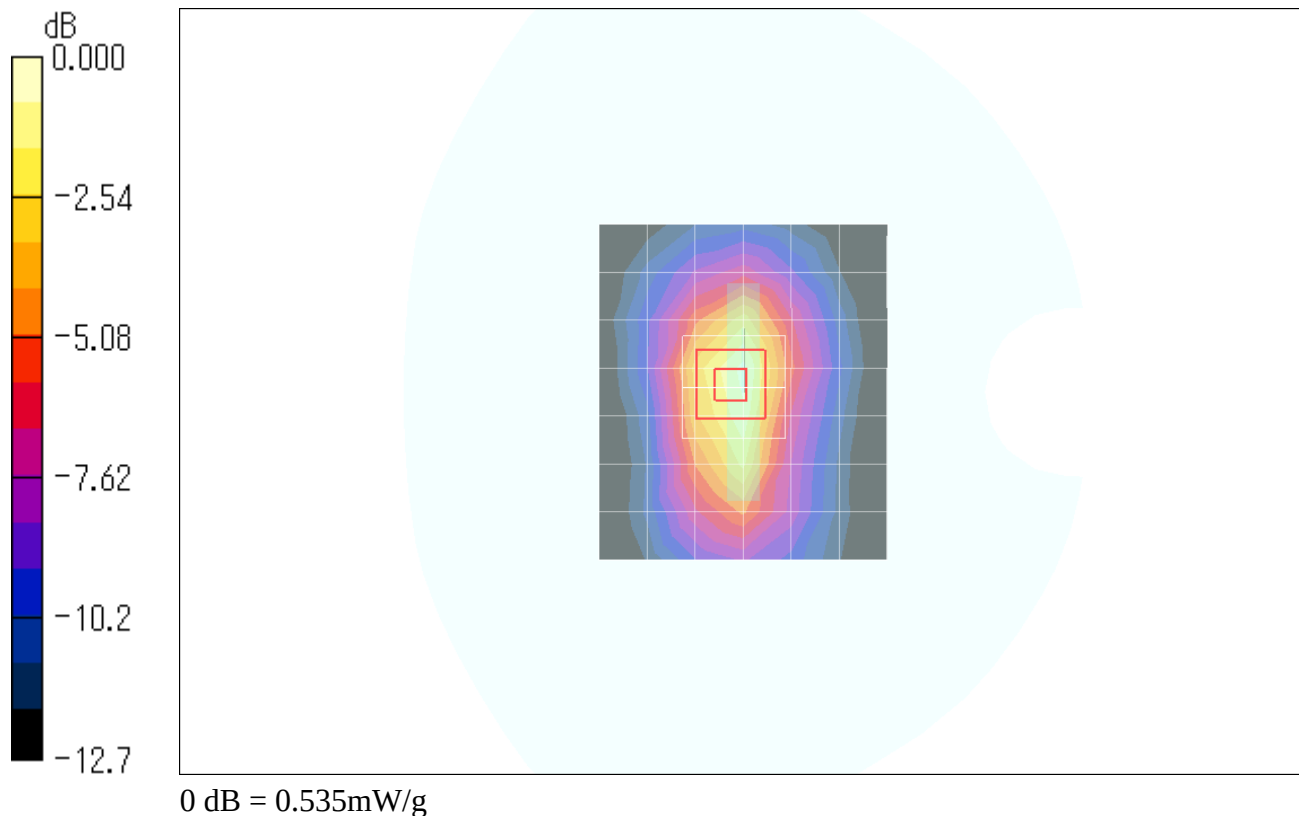
Bottom Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.735 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.271 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.127 mW/g

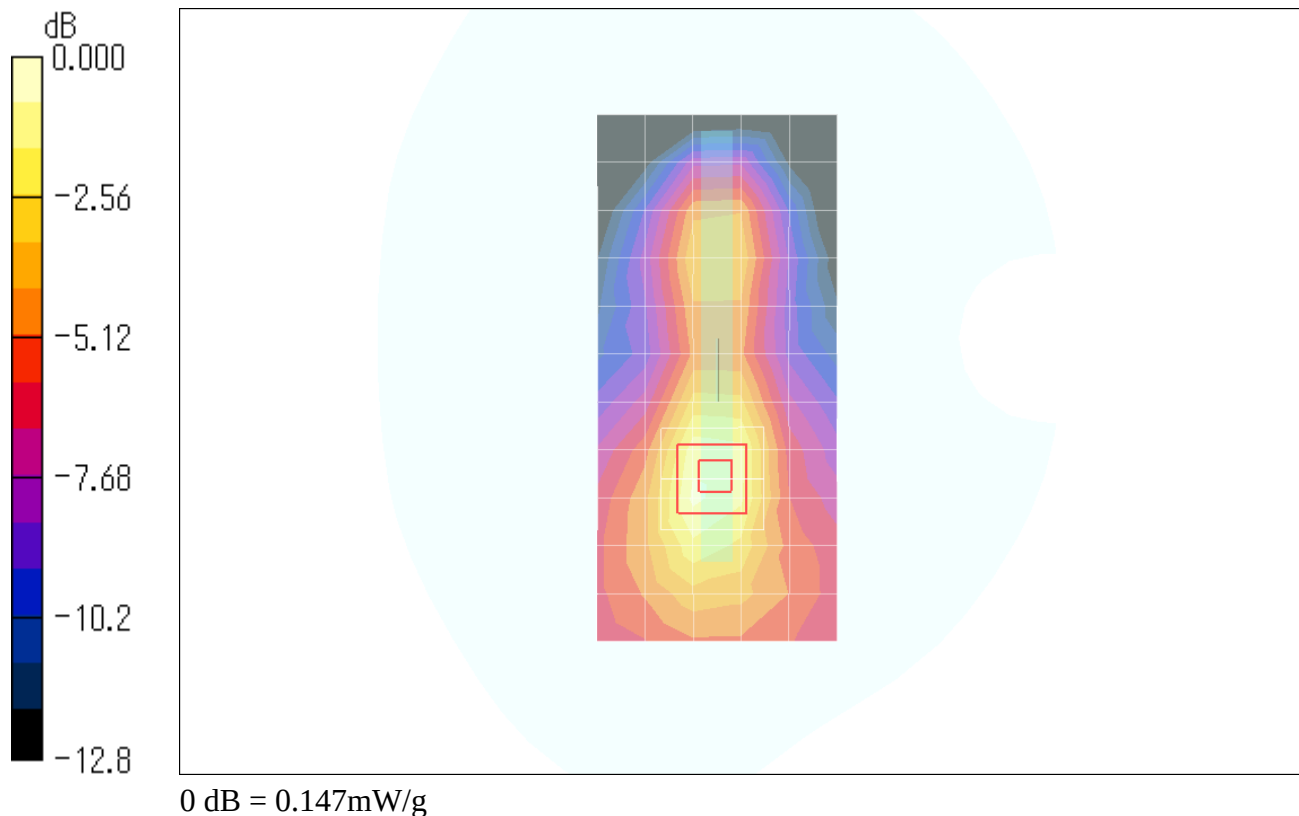
Left Edge/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.147 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

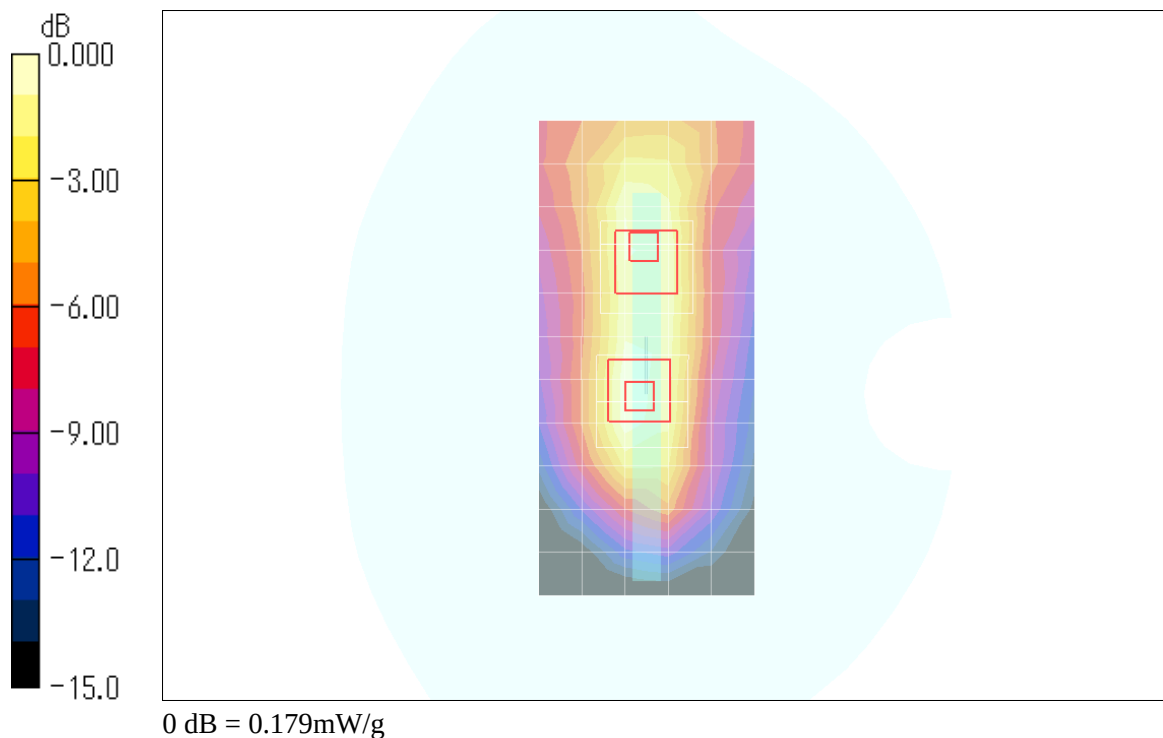
Medium: MSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Right Edge/Area Scan (6x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.165 mW/g **Right Edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 11.7 V/m ; Power Drift = 0.010 dB Peak SAR (extrapolated) = 0.268 W/kg **SAR(1 g) = 0.173 mW/g ; SAR(10 g) = 0.102 mW/g** Maximum value of SAR (measured) = 0.193 mW/g **Right Edge/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 11.7 V/m ; Power Drift = 0.010 dB Peak SAR (extrapolated) = 0.262 W/kg **SAR(1 g) = 0.162 mW/g ; SAR(10 g) = 0.096 mW/g** Maximum value of SAR (measured) = 0.179 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

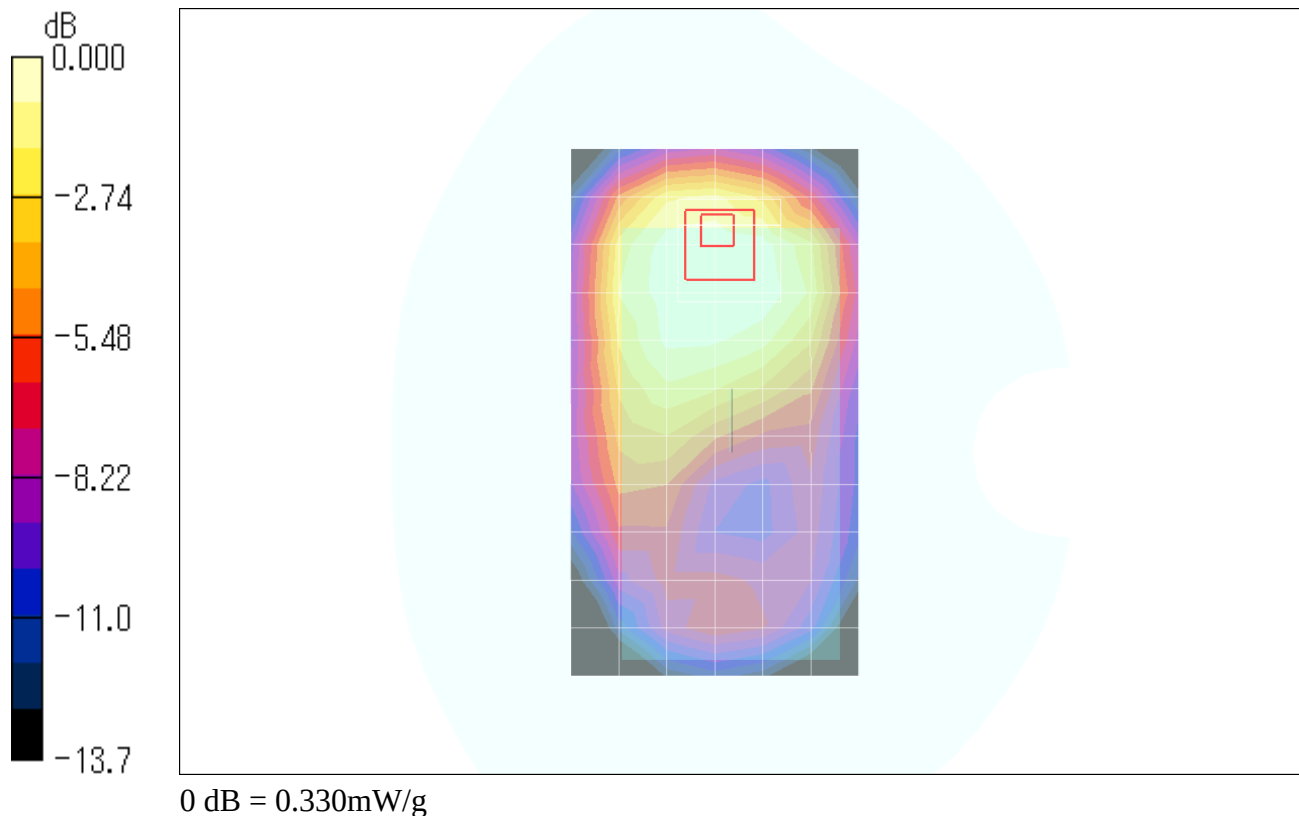
Medium: MSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Front Side/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.318 mW/g **Front Side/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 15.7 V/m ; Power Drift = -0.012 dB Peak SAR (extrapolated) = 0.442 W/kg **SAR(1 g) = 0.306 mW/g ; SAR(10 g) = 0.199 mW/g** Maximum value of SAR (measured) = 0.330 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 512ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

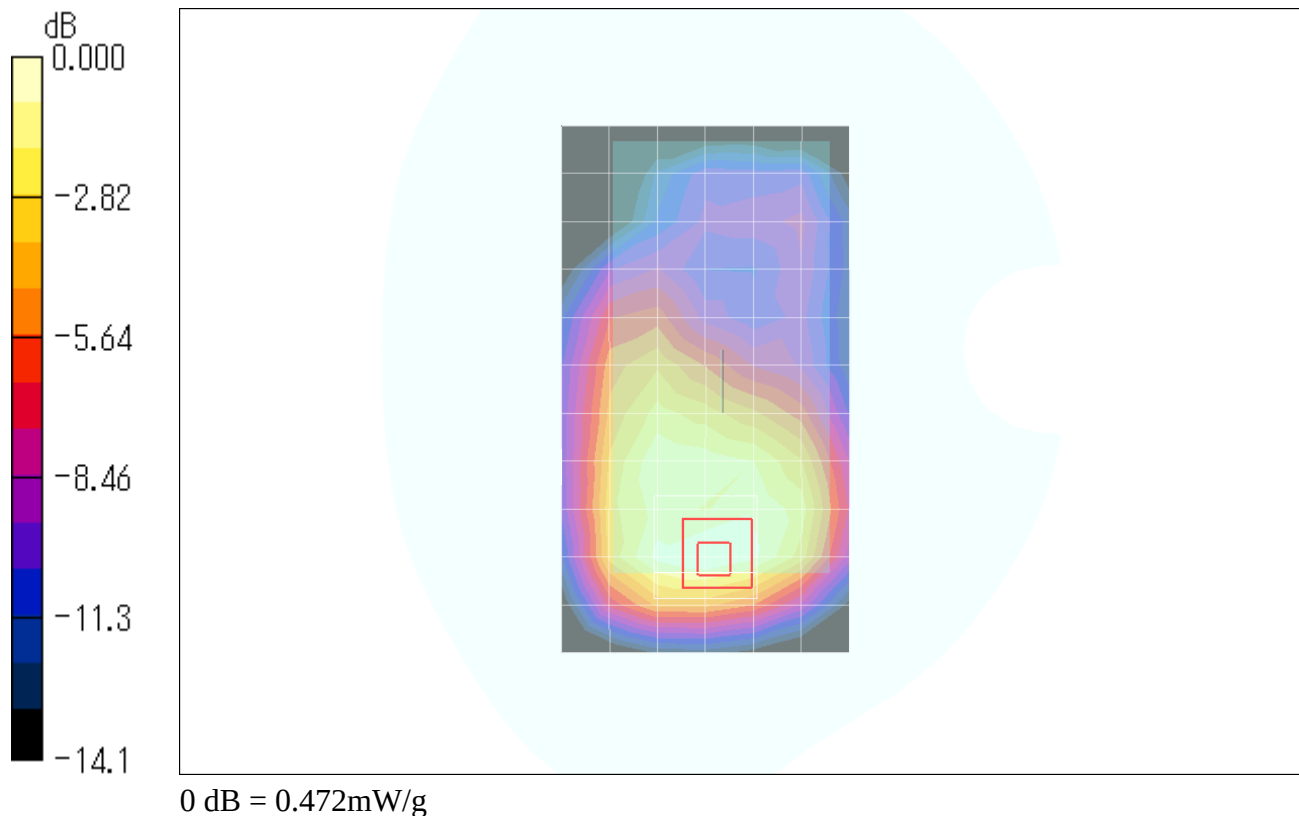
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.2 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.678 W/kg

SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.266 mW/g

Maximum value of SAR (measured) = 0.472 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 661ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.587 mW/g

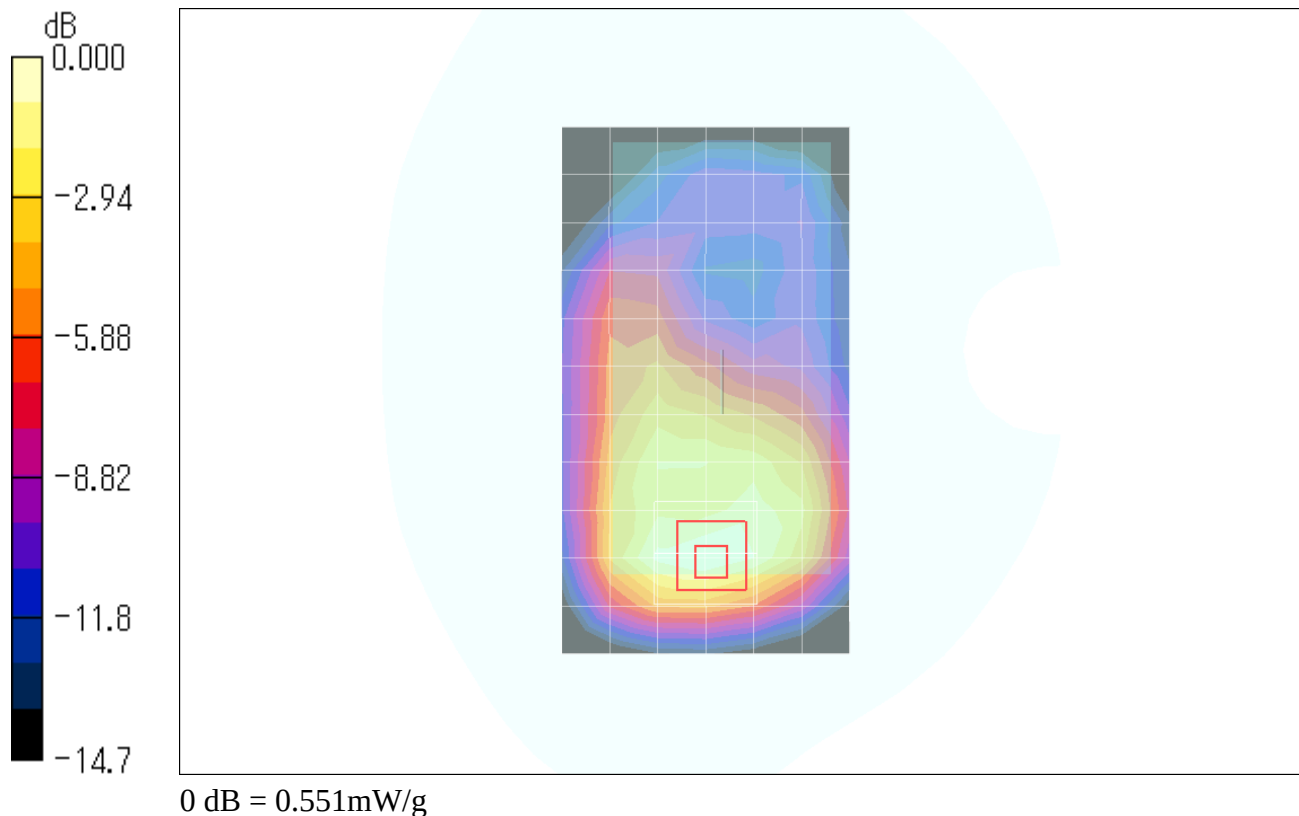
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.784 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.298 mW/g

Maximum value of SAR (measured) = 0.551 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 810ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.649 mW/g

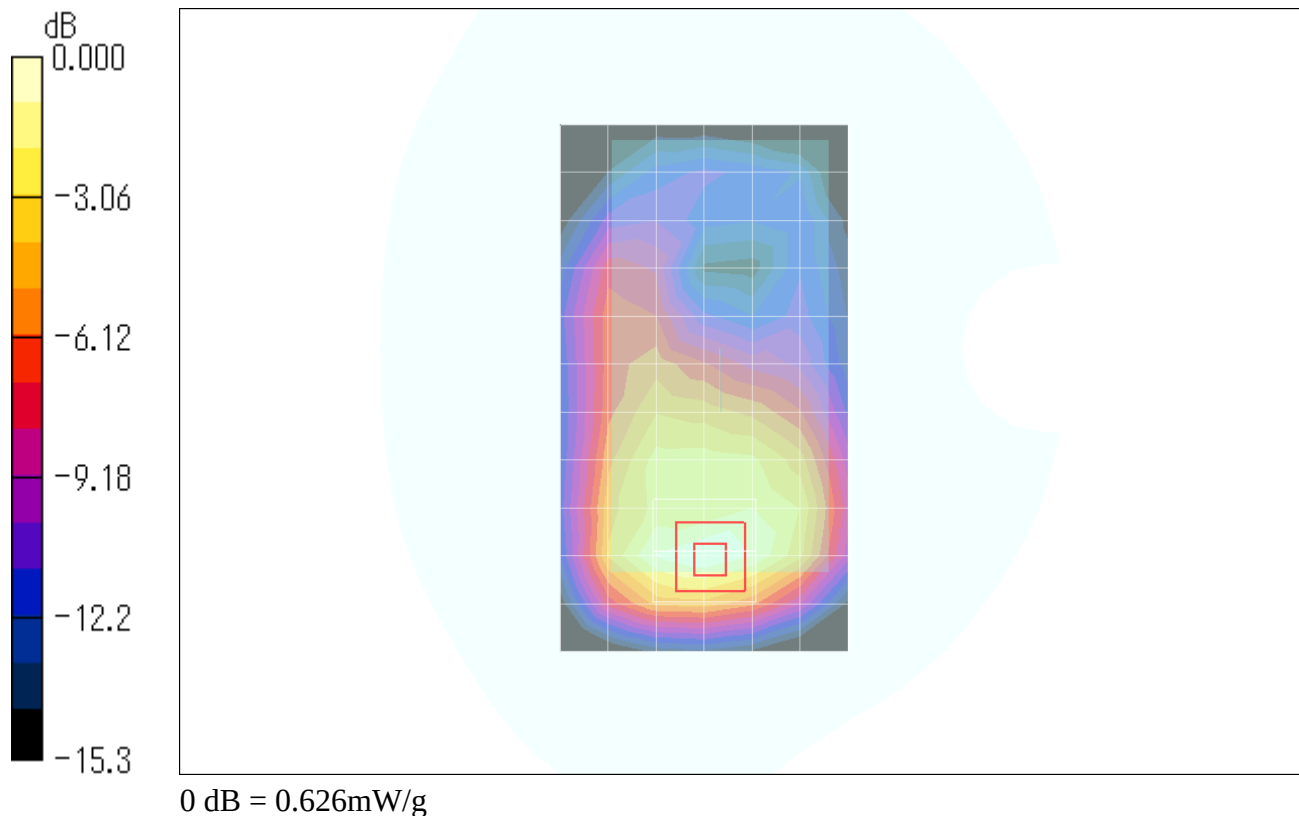
Rear Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.2 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 0.626 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 810ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.652 mW/g

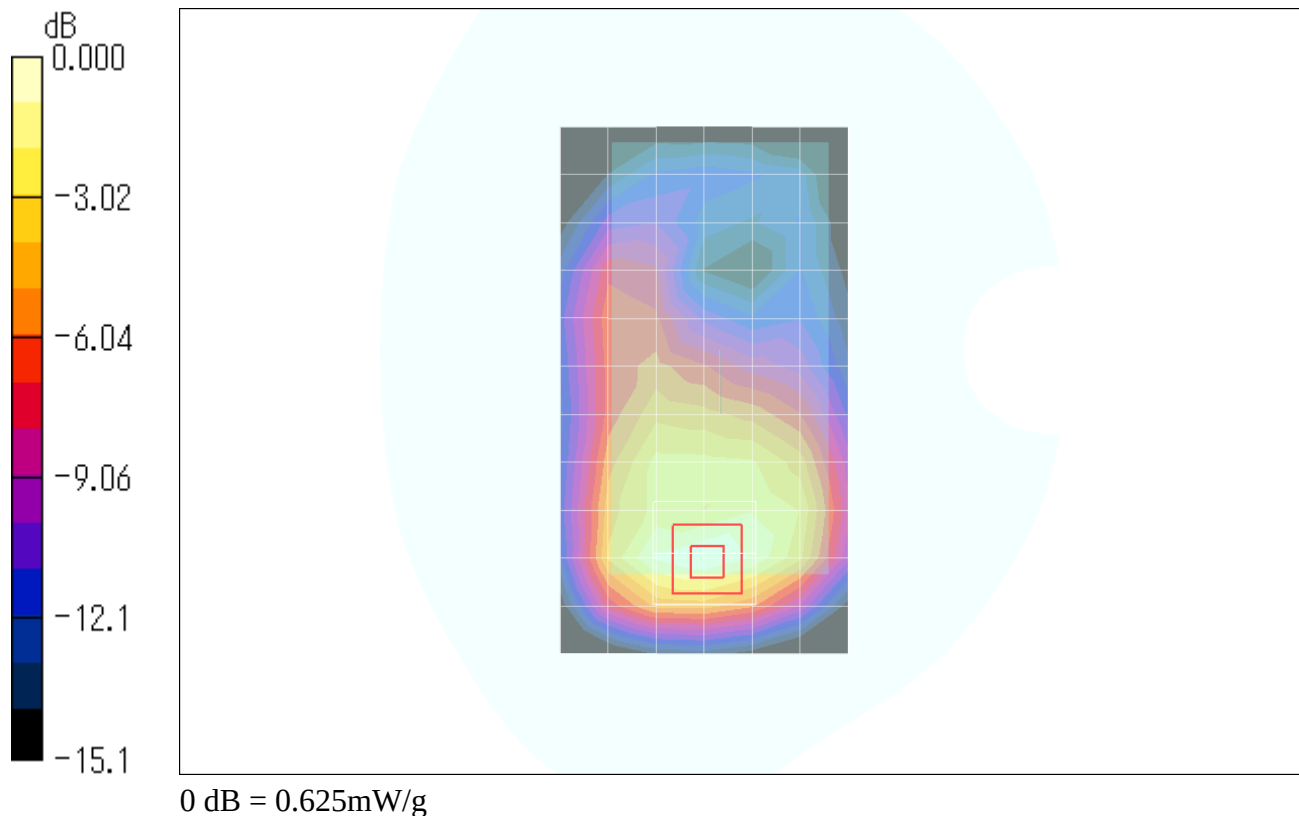
Rear Side w/touch-pen/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.0 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.911 W/kg

SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.329 mW/g

Maximum value of SAR (measured) = 0.625 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 810ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.662 mW/g

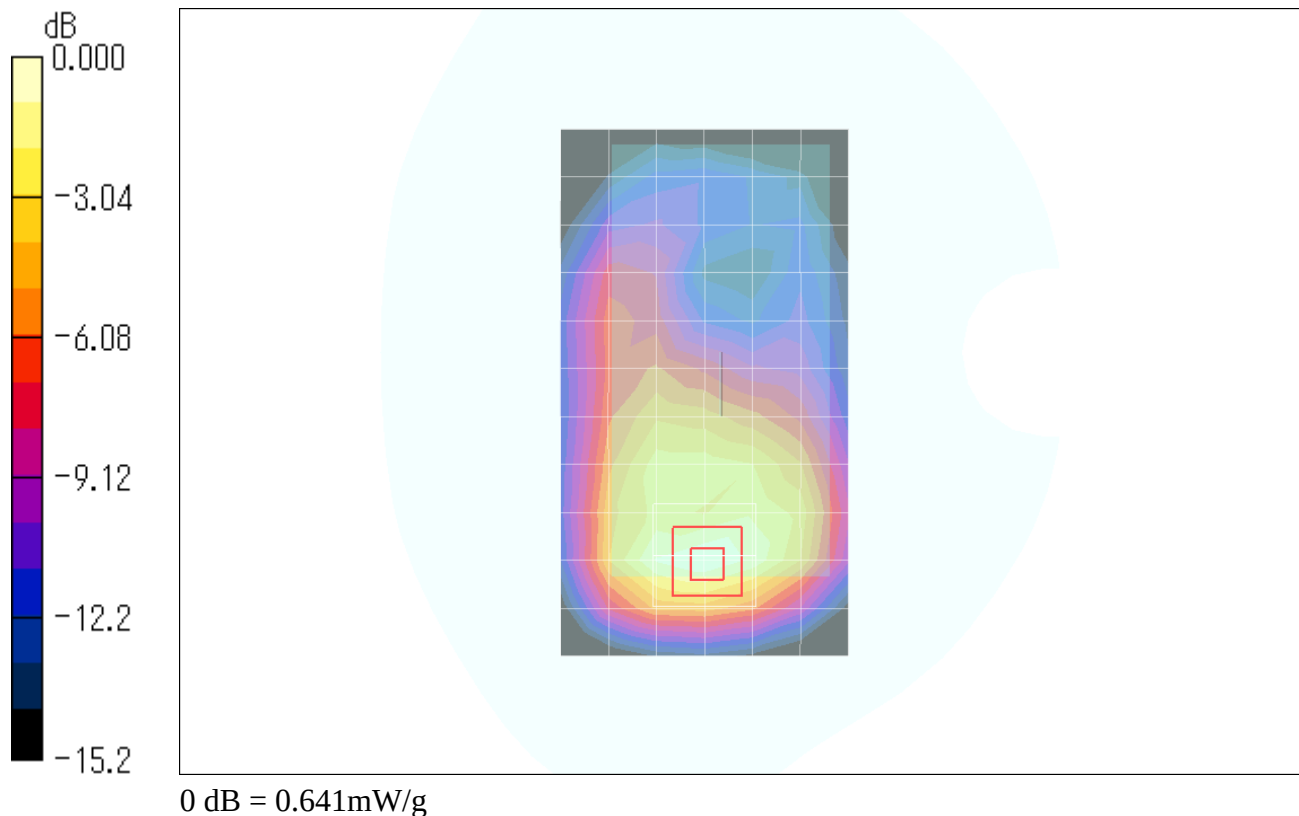
Rear Side w/headset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.1 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.928 W/kg

SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.336 mW/g

Maximum value of SAR (measured) = 0.641 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 810ch / PCS 1900 - GPRS 4slot**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

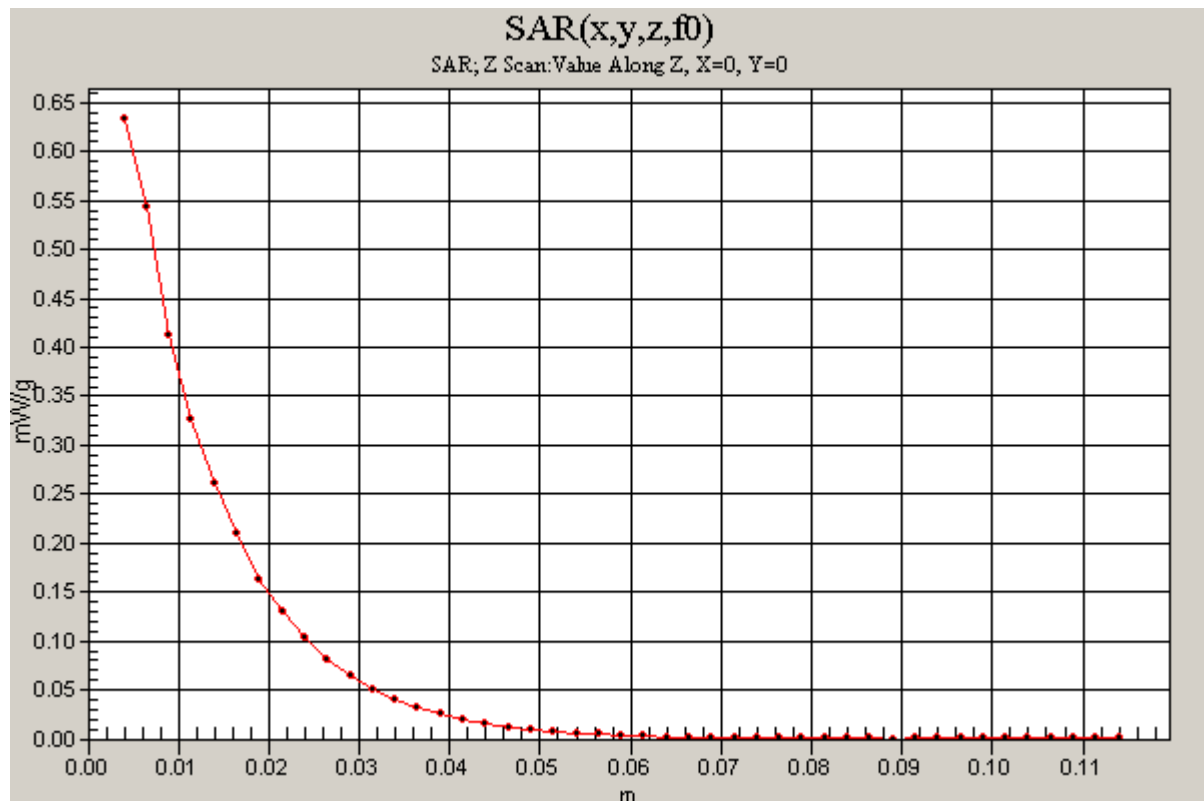
Medium: MSL1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

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: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Z Scan (1x1x45): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 0.633 mW/g

Appendix 2-4 – SAR Test Plots (WLAN 2.4G)

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 6ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (13x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.024 mW/g

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

Reference Value = 1.91 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.034 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00834 mW/g

Maximum value of SAR (measured) = 0.026 mW/g

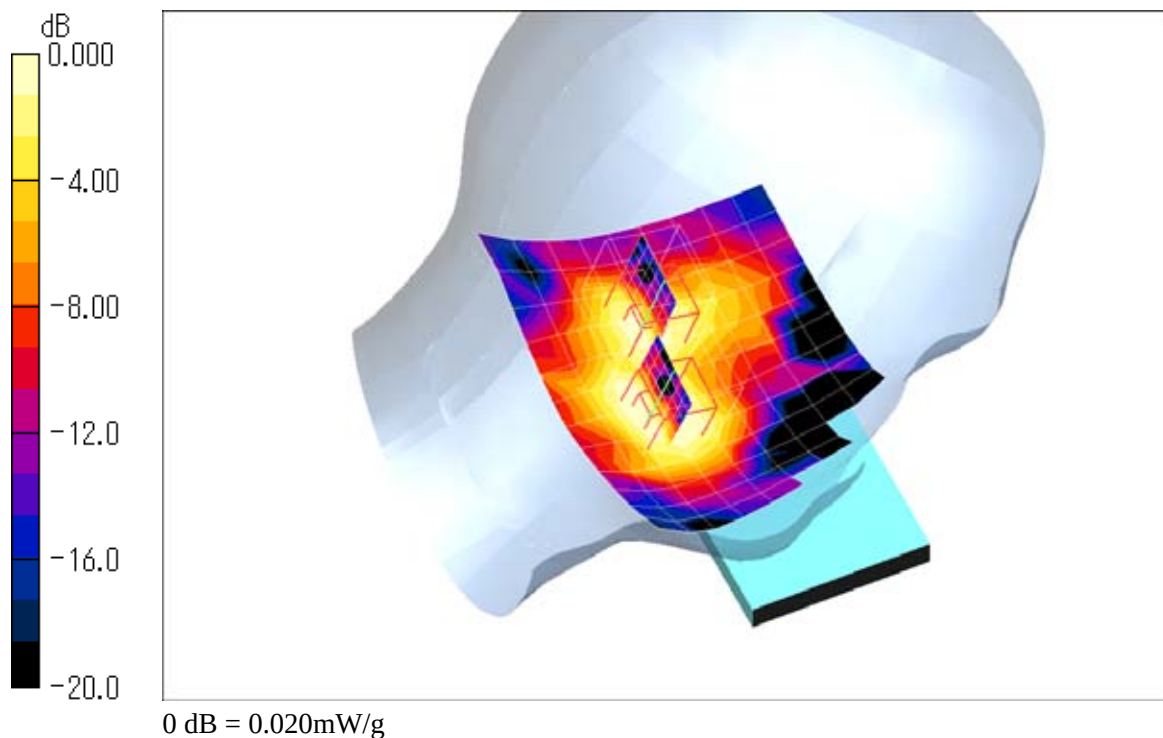
Cheek/Touch Position/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.91 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.026 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00645 mW/g

Maximum value of SAR (measured) = 0.020 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 6ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (13x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.013 mW/g

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

Reference Value = 2.34 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.039 W/kg

SAR(1 g) = 0.00909 mW/g; SAR(10 g) = 0.00405 mW/g

Maximum value of SAR (measured) = 0.013 mW/g

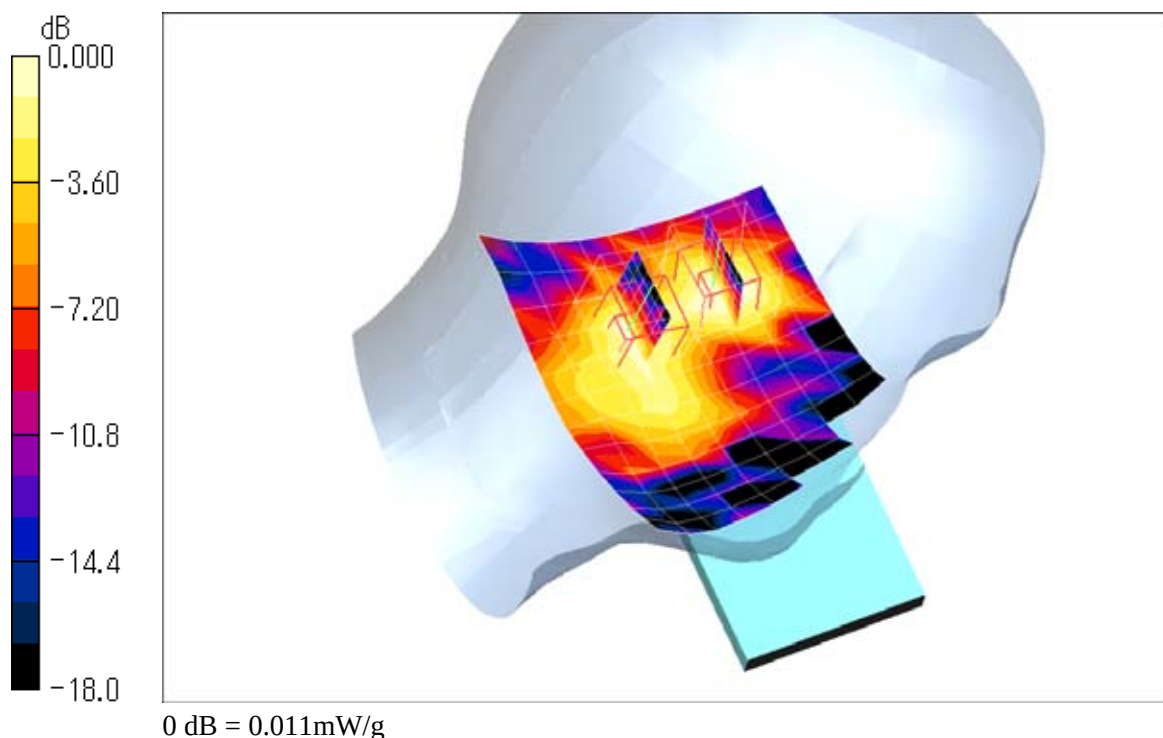
Ear/Tilt Position/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.34 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00701 mW/g; SAR(10 g) = 0.00311 mW/g

Maximum value of SAR (measured) = 0.011 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 1ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.77$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (13x10x1): Measurement grid: dx=12mm, dy=12mm

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

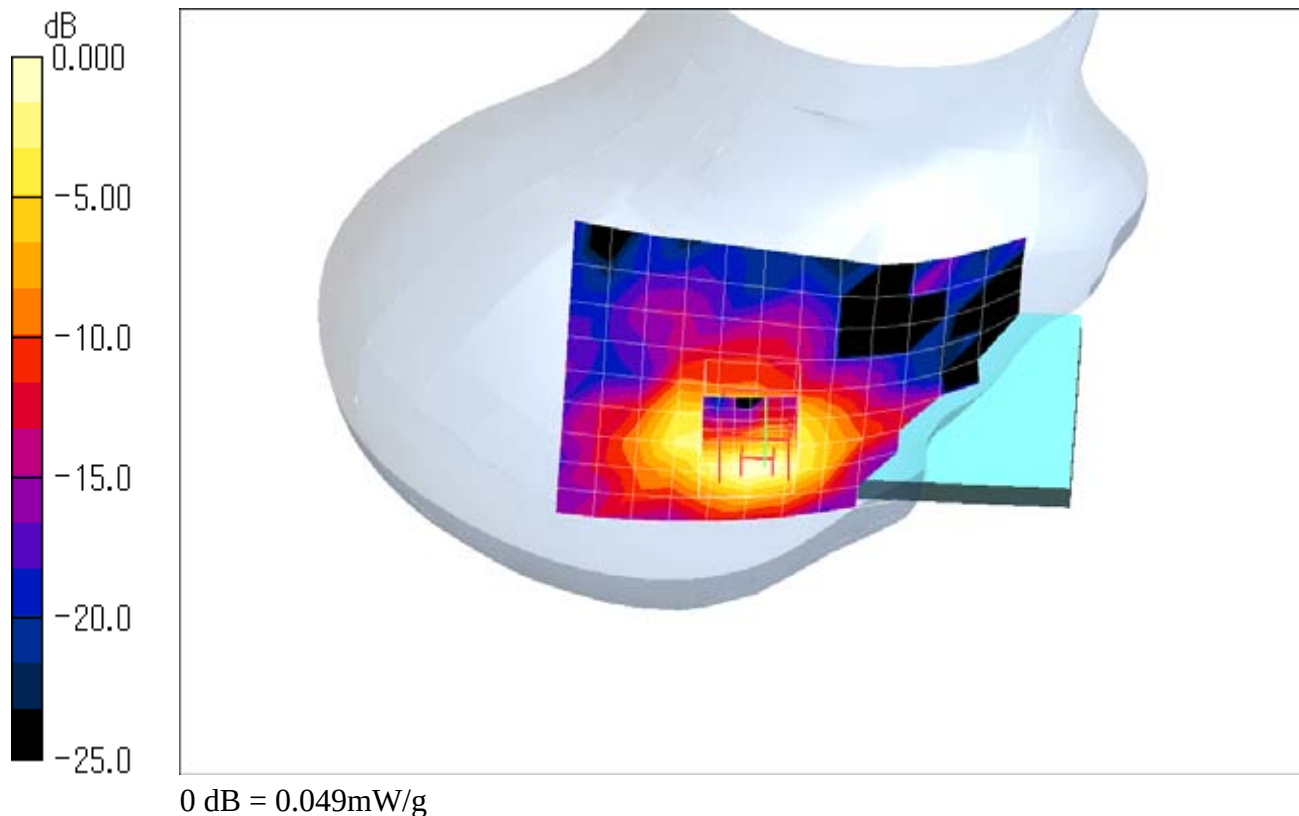
Cheek/Touch Position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.78 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.049 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 6ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (13x10x1): Measurement grid: dx=12mm, dy=12mm

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

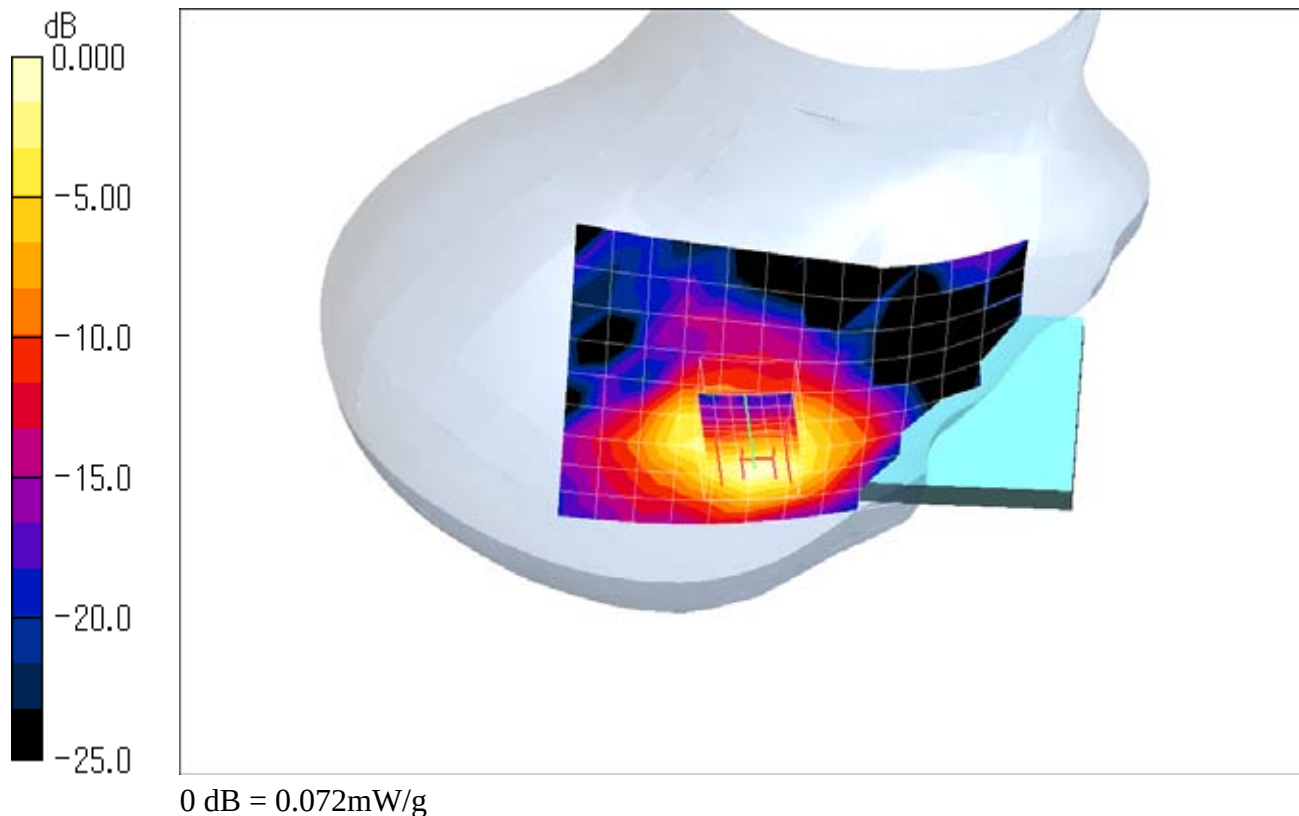
Cheek/Touch Position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.84 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.072 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 11ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

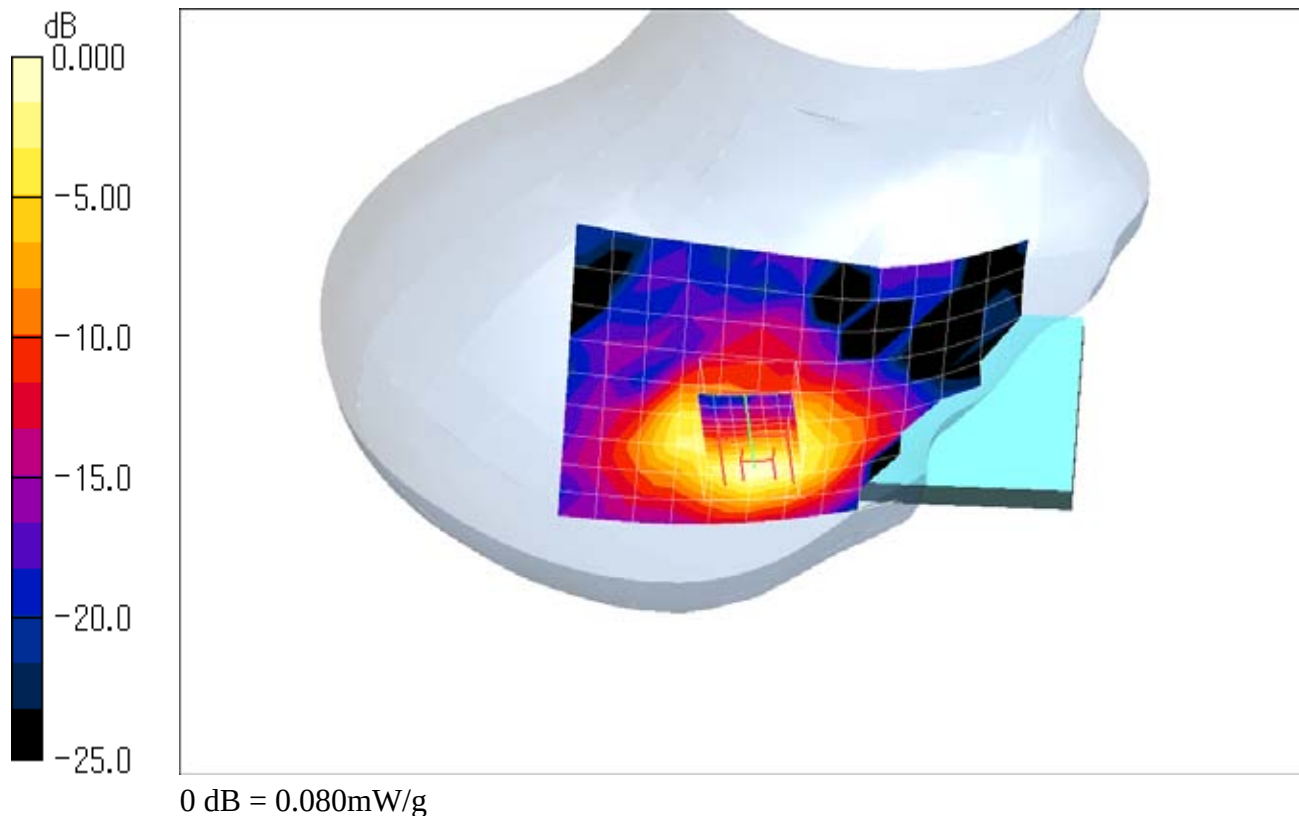
Medium: HSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.82 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (13x10x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$ Maximum value of SAR (measured) = 0.075 mW/g **Cheek/Touch Position/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 3.47 V/m ; Power Drift = -0.059 dB Peak SAR (extrapolated) = 0.116 W/kg **SAR(1 g) = 0.051 mW/g ; SAR(10 g) = 0.024 mW/g** Maximum value of SAR (measured) = 0.080 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 11ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

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

Medium: HSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.82 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

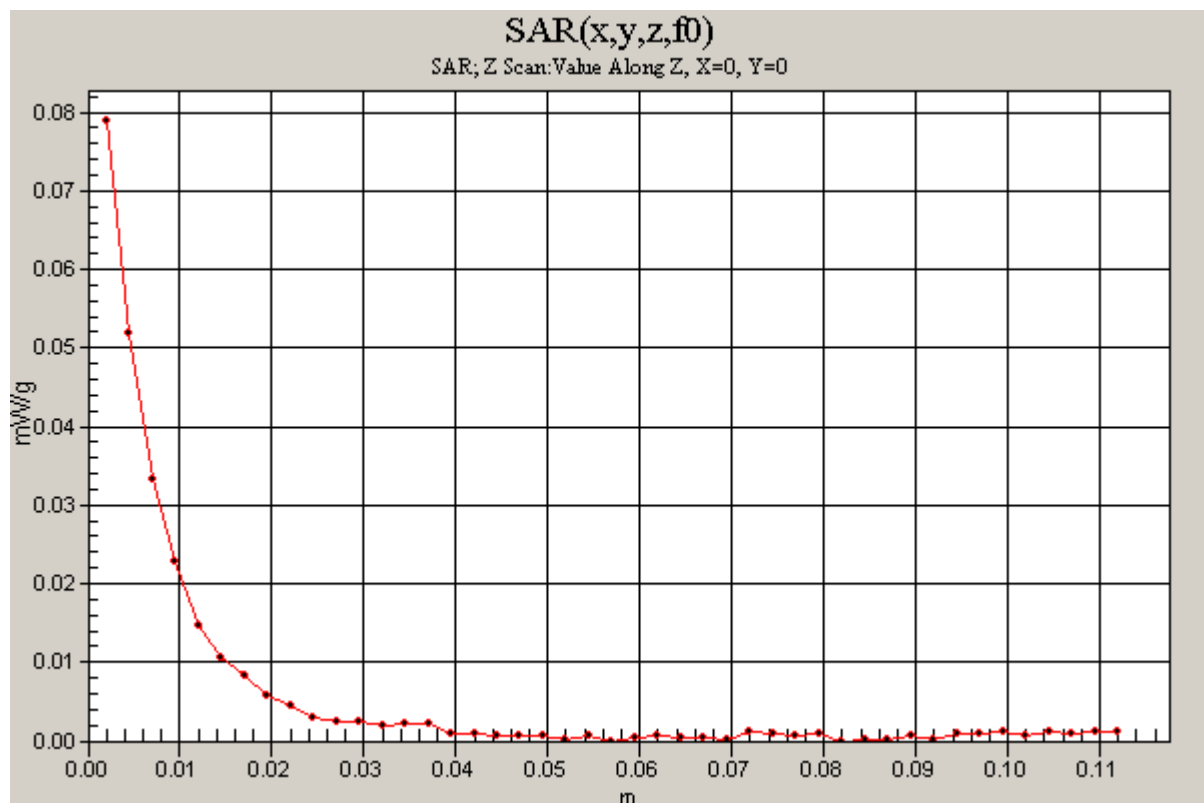
Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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) = 0.079 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 11ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.82$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

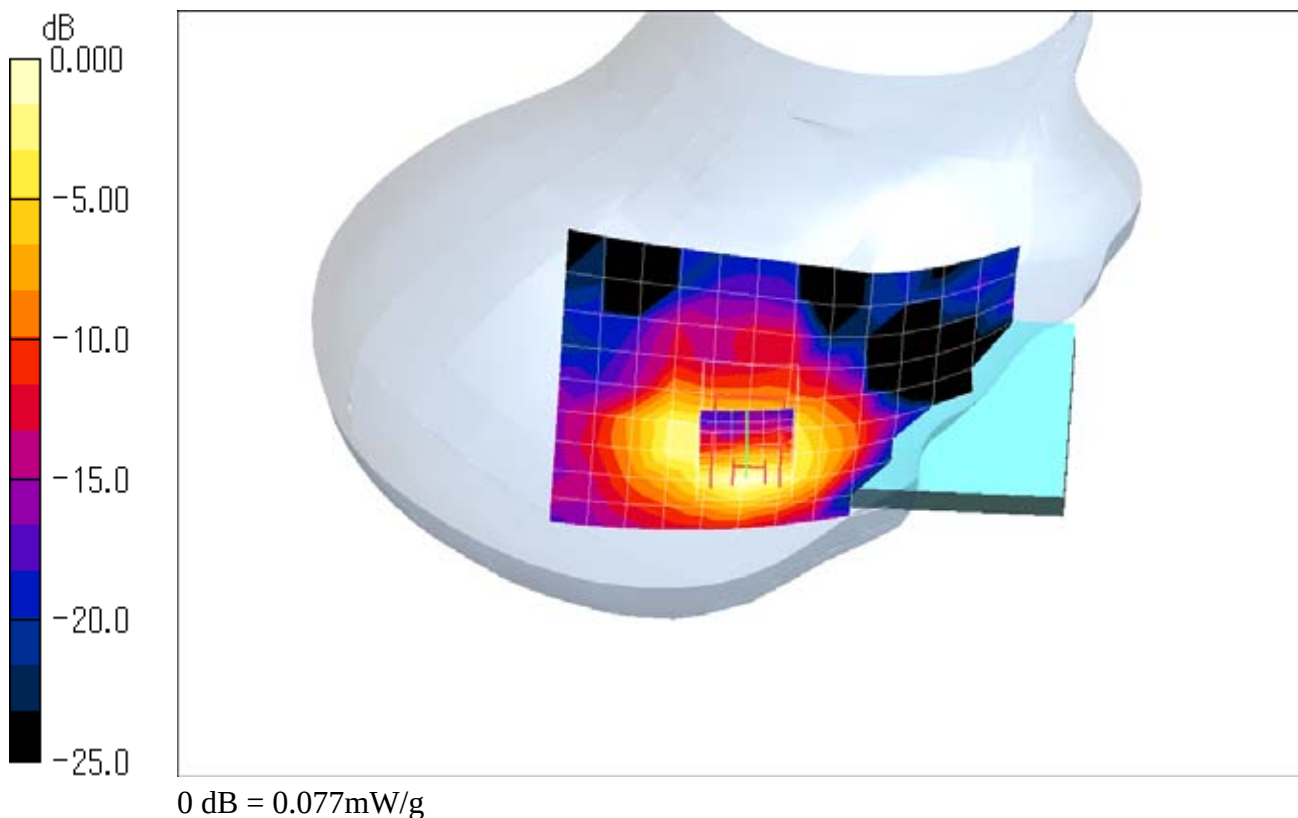
Cheek/Touch Position w/touch-pen/Area Scan (13x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.072 mW/g**Cheek/Touch Position w/touch-pen/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.87 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.114 W/kg

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

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 6ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(7.45, 7.45, 7.45); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (13x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.022 mW/g

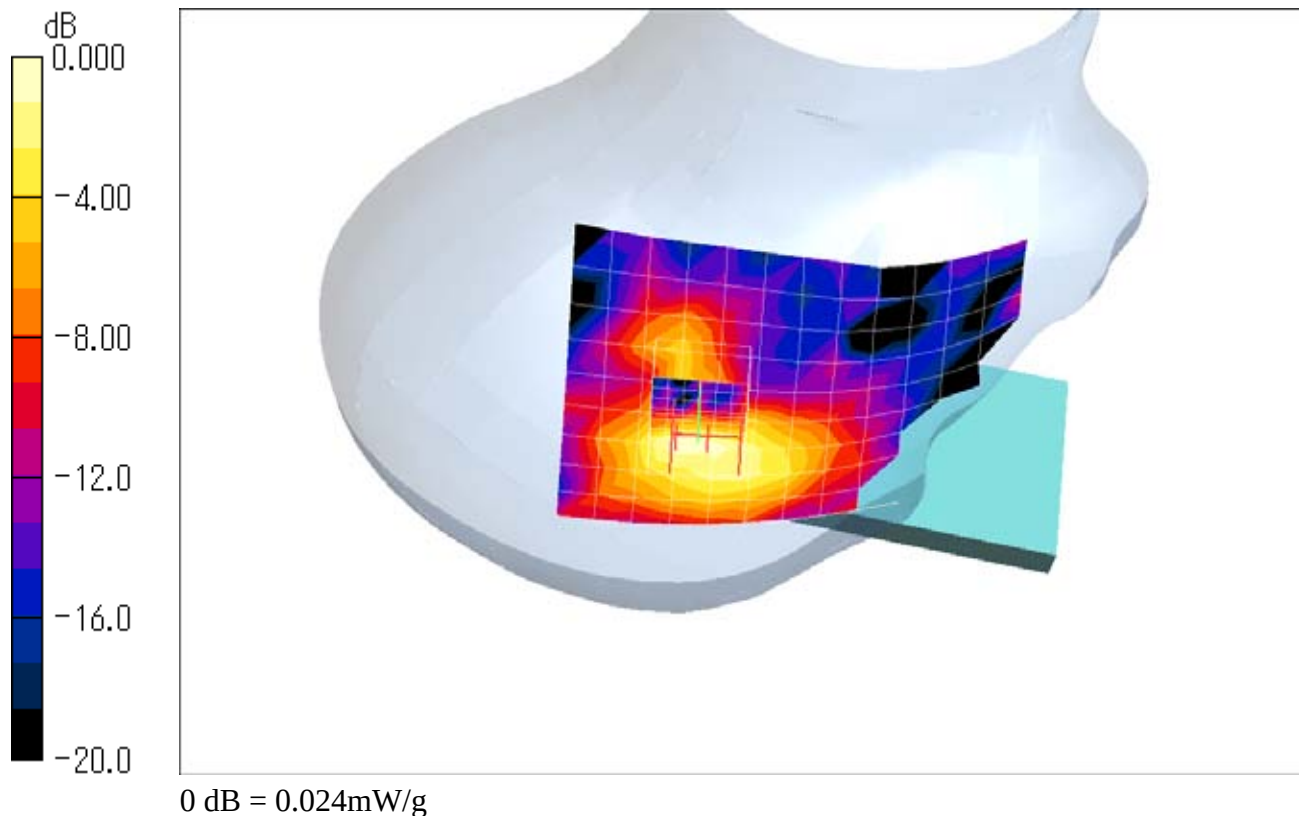
Ear/Tilt Position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.64 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.032 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00768 mW/g

Maximum value of SAR (measured) = 0.024 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Top Edge/Area Scan (8x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.008 mW/g

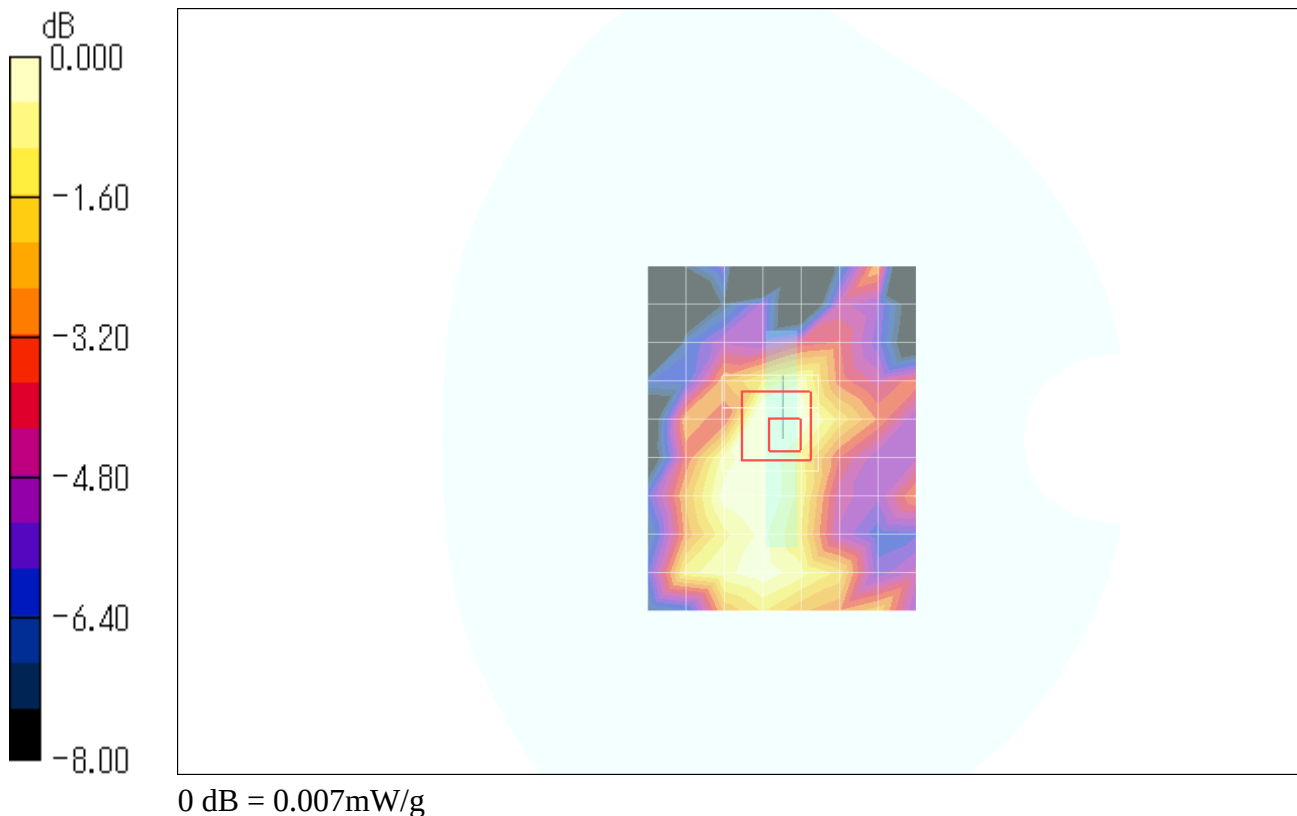
Top Edge/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.00 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.010 W/kg

SAR(1 g) = 0.00525 mW/g; SAR(10 g) = 0.00269 mW/g

Maximum value of SAR (measured) = 0.007 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Left Edge/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm

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

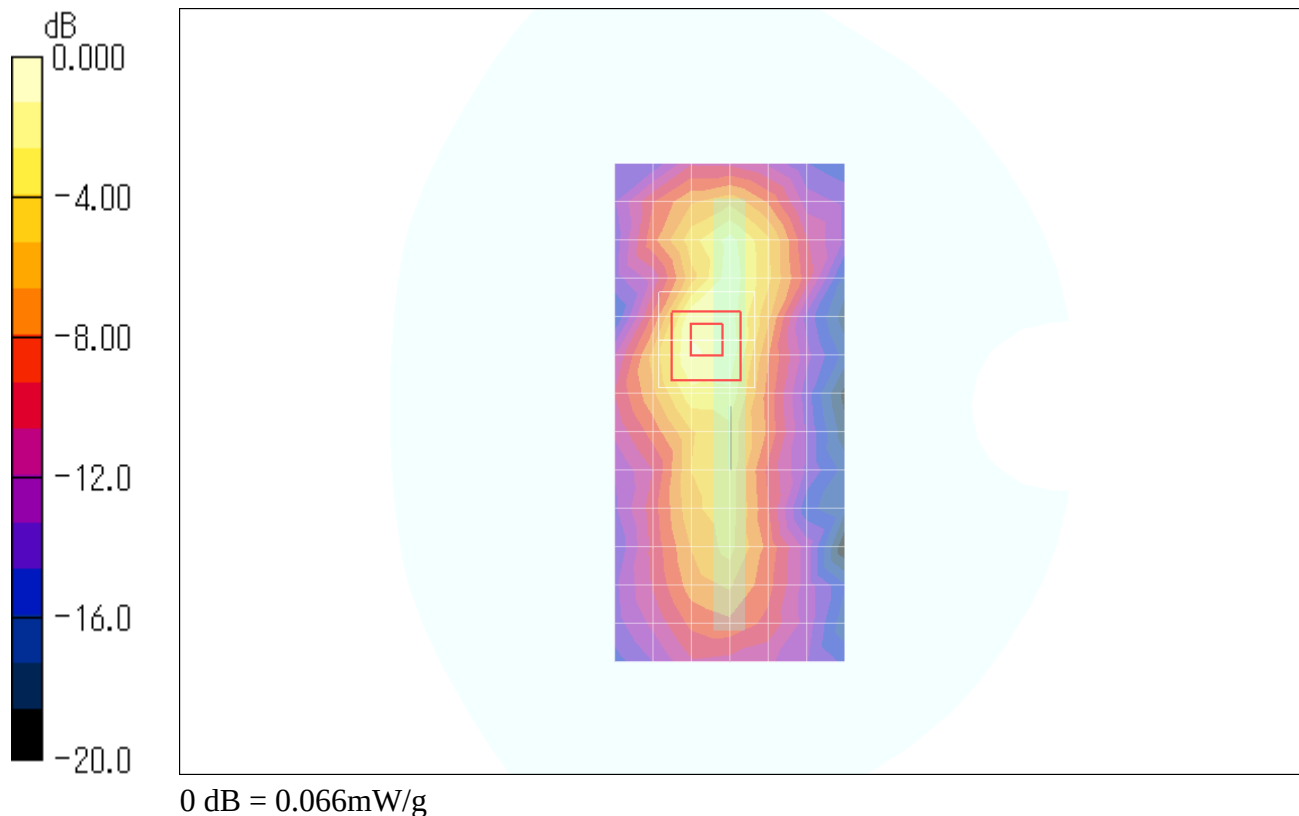
Left Edge/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.80 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.022 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Front Side/Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

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

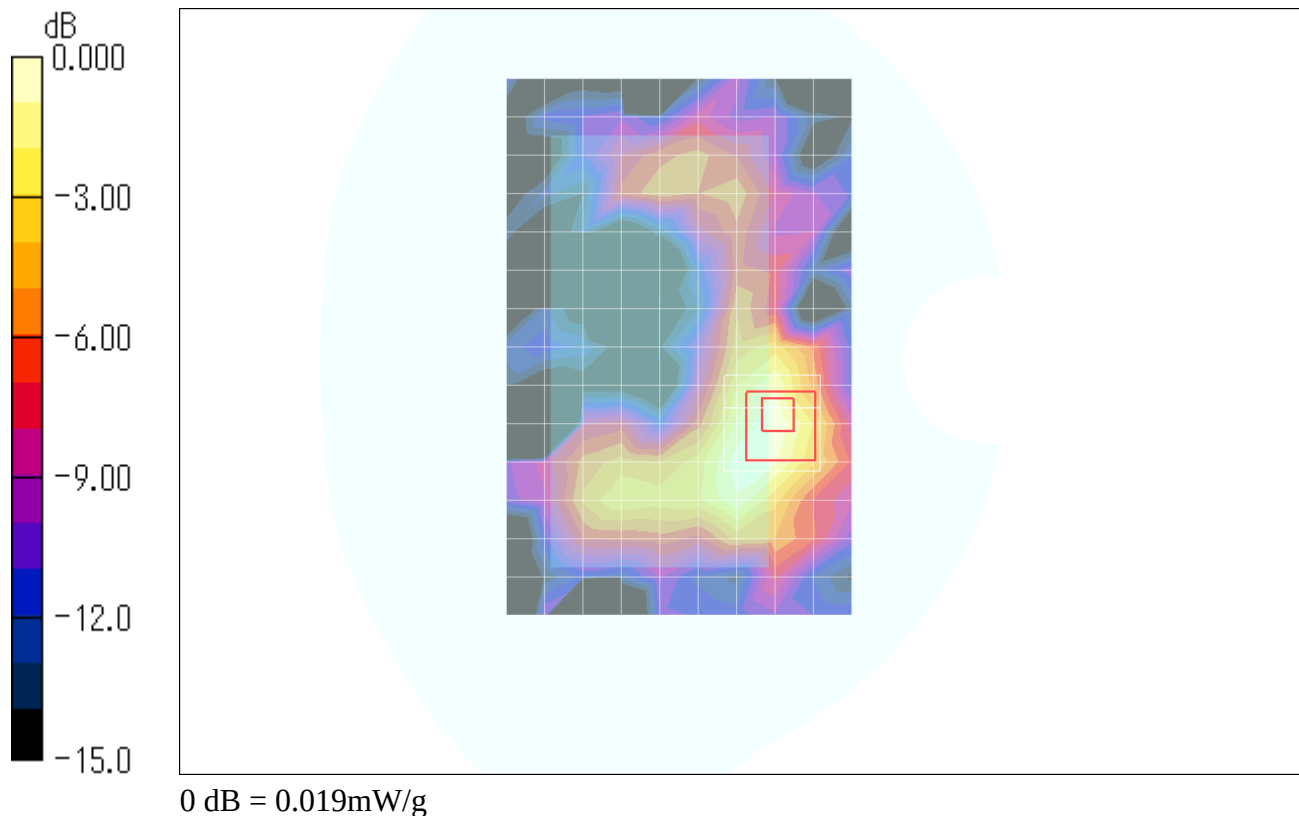
Front Side/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.89 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00517 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: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.087 mW/g

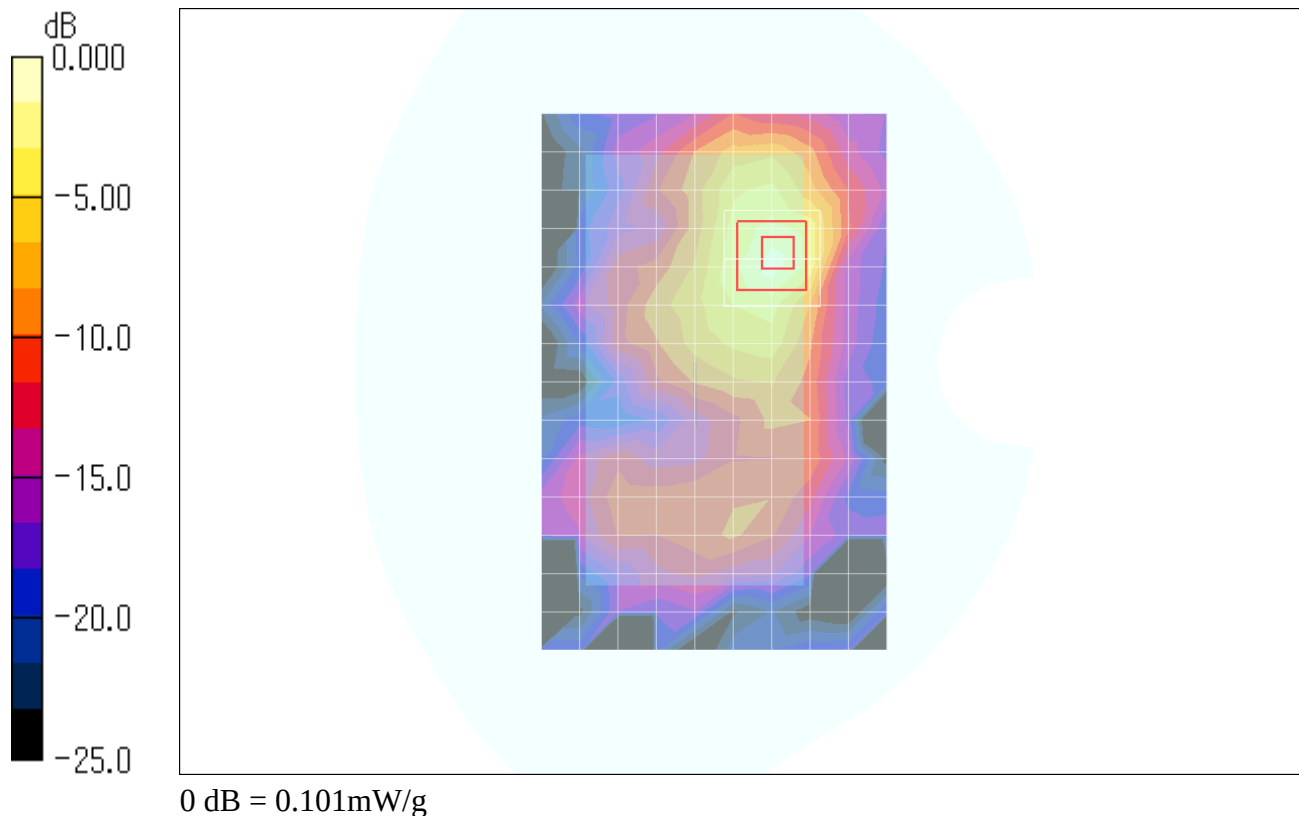
Rear Side/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.57 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.028 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 6ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.109 mW/g

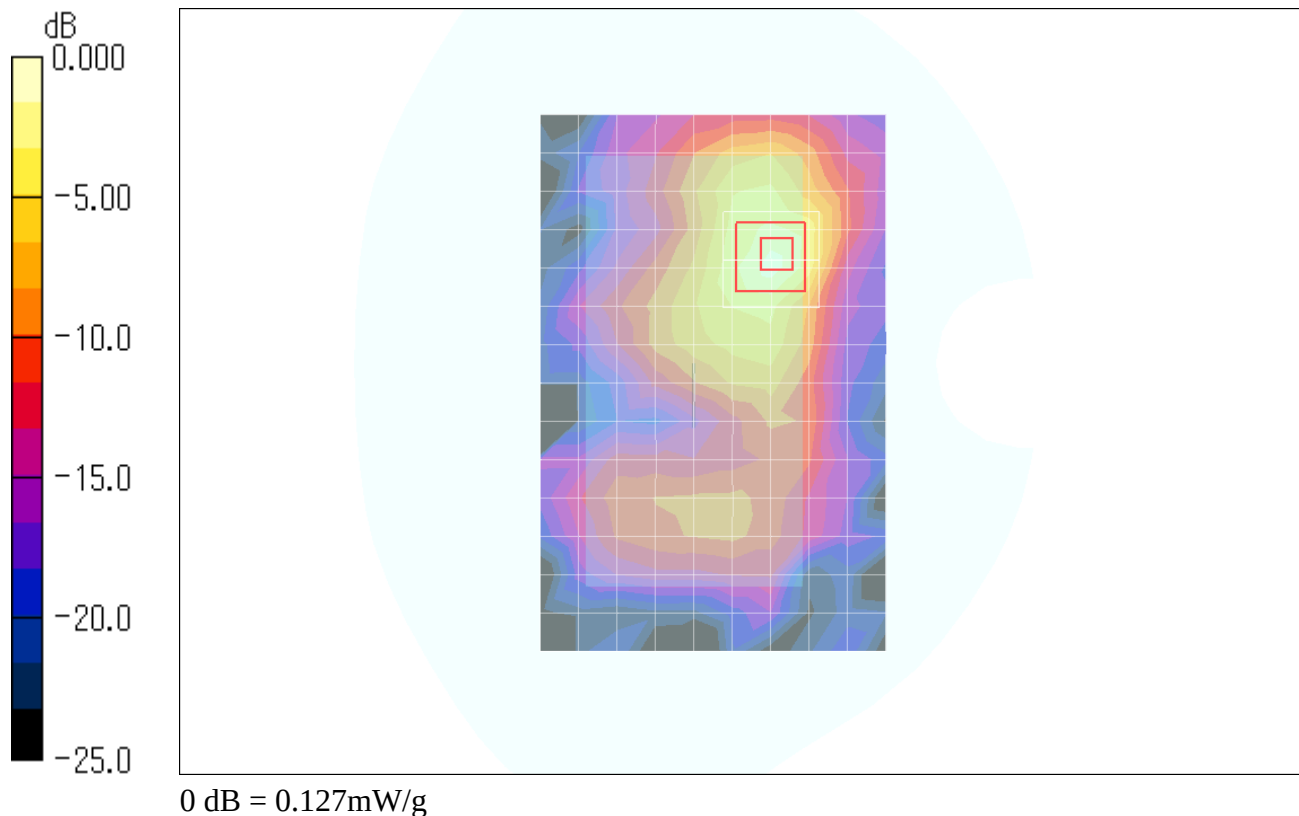
Rear Side/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.96 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.127 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 11ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

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

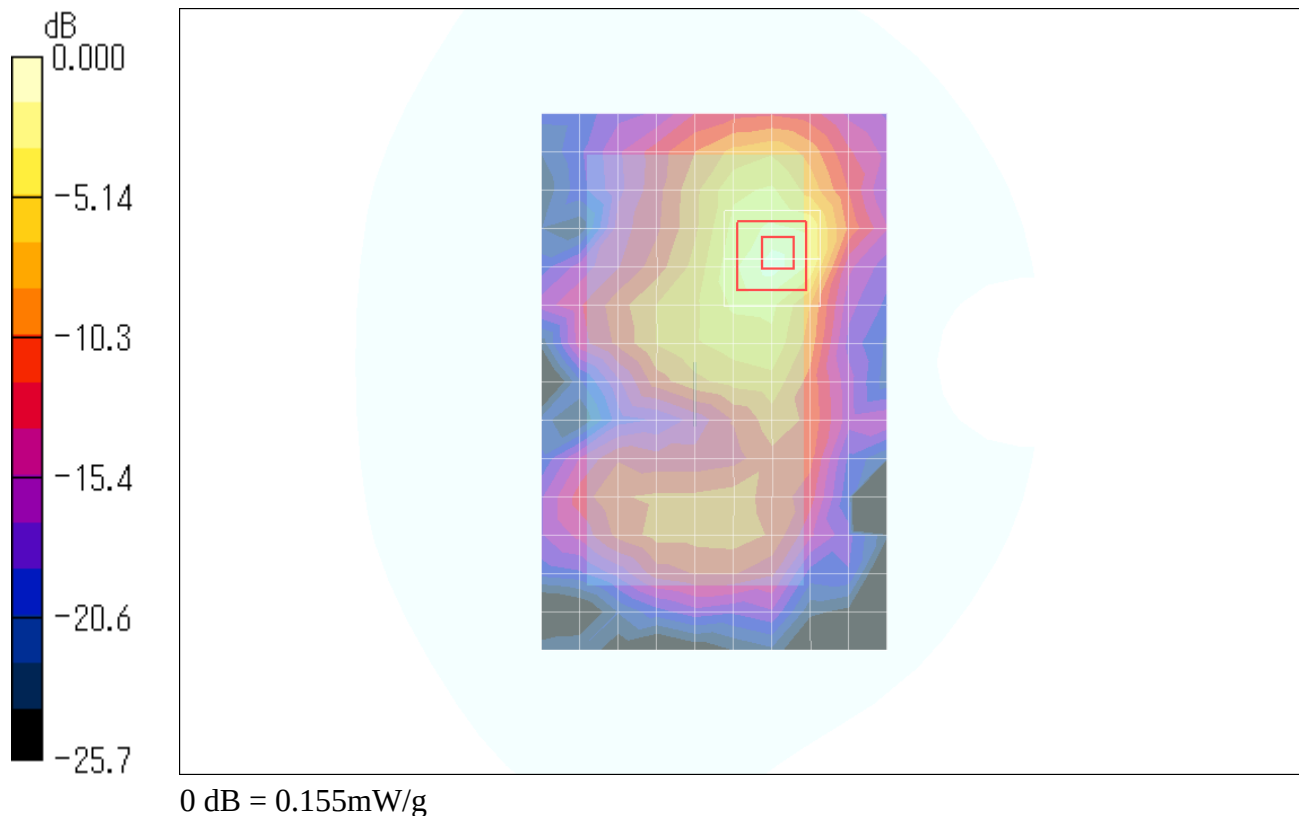
Rear Side/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.07 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.155 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 11ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

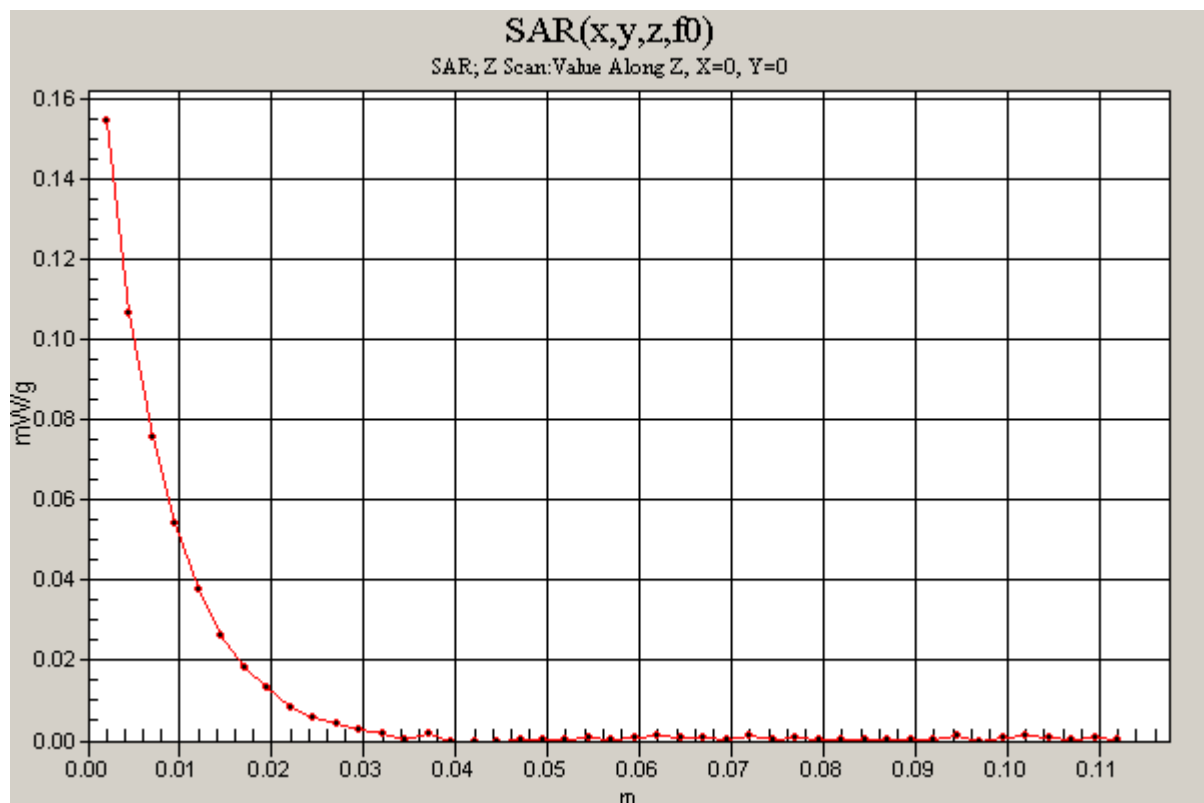
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.154 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 11ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

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

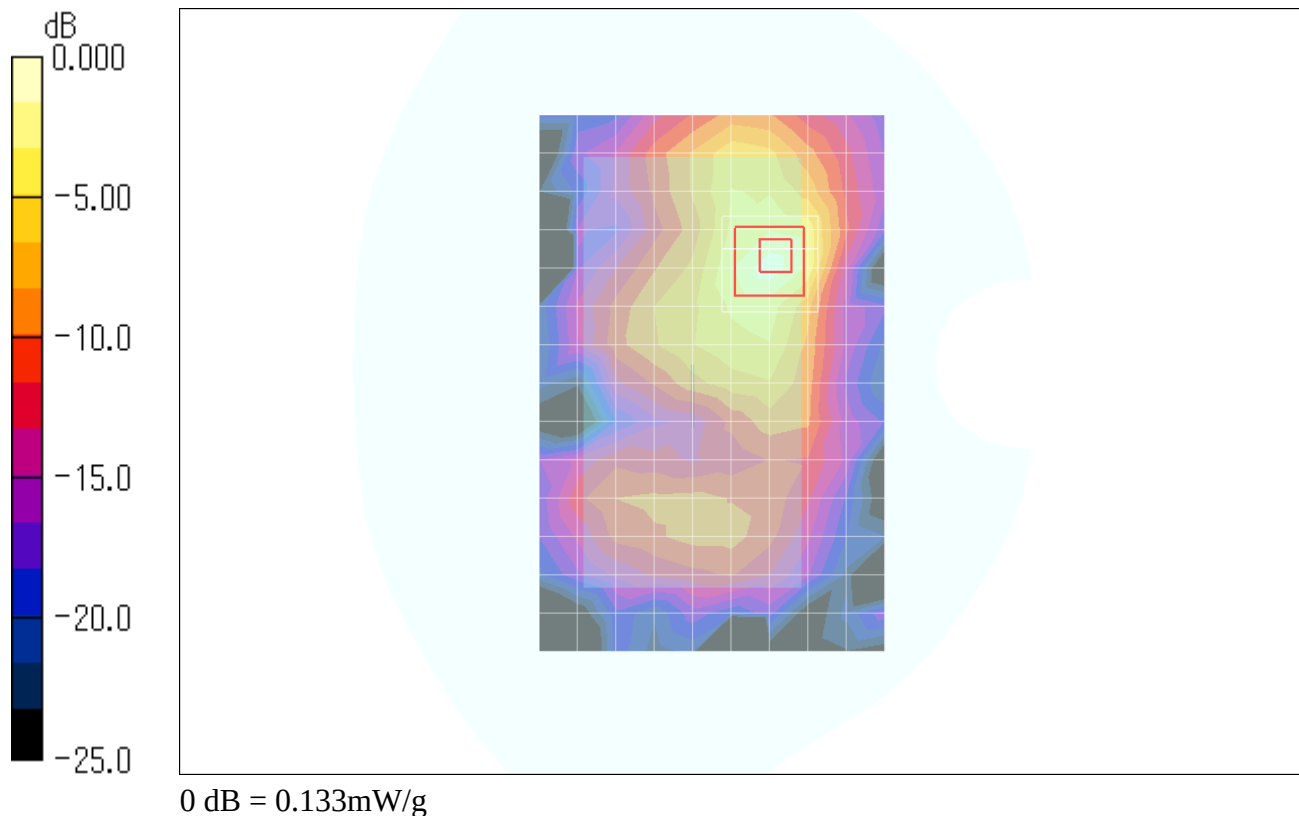
Rear Side w/touch-pen/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.19 V/m; Power Drift = 0.094 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.036 mW/g

Maximum value of SAR (measured) = 0.133 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 11ch / 802.11b 1Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

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

Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.123 mW/g

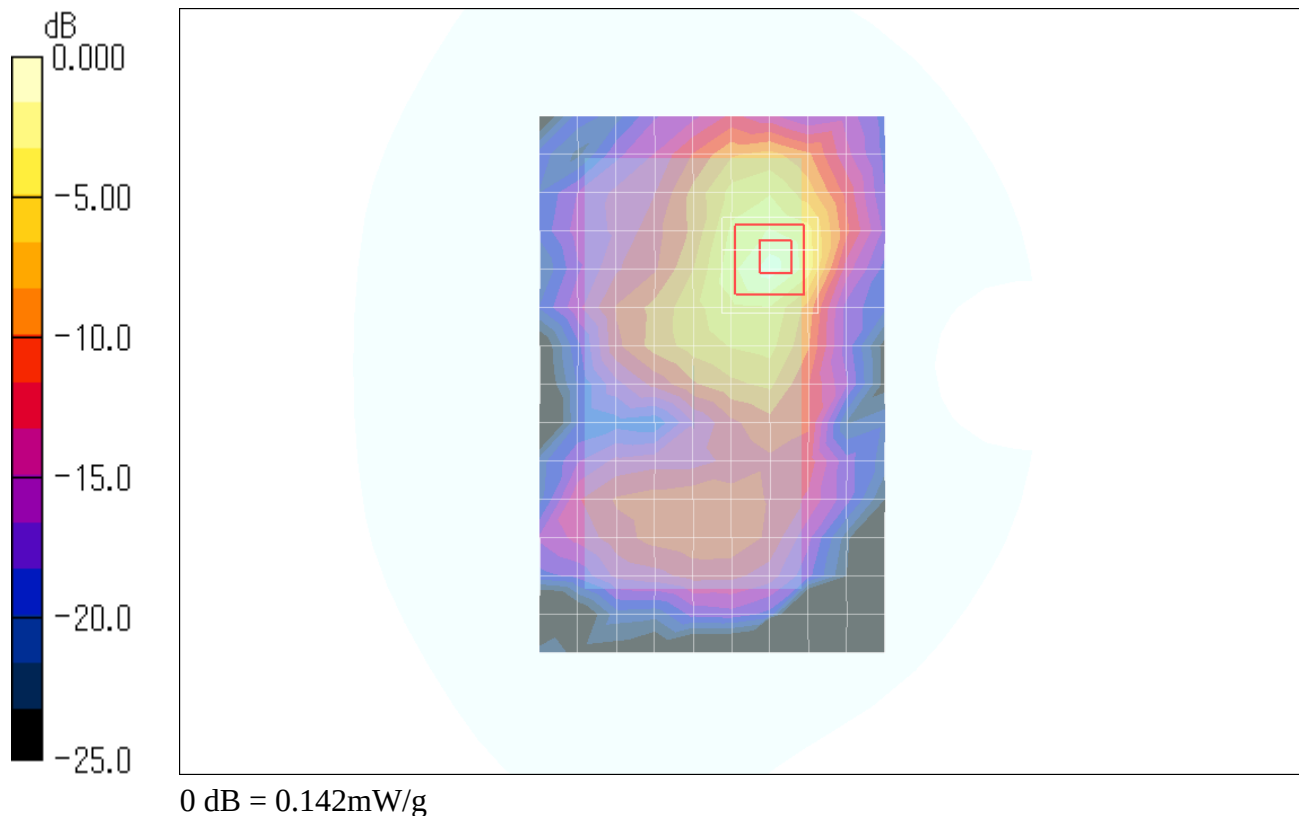
Rear Side w/headset/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.71 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.142 mW/g



Appendix 2-5 – SAR Test Plots (WLAN 5G)

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 48ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5240 MHz; Duty Cycle: 1:1

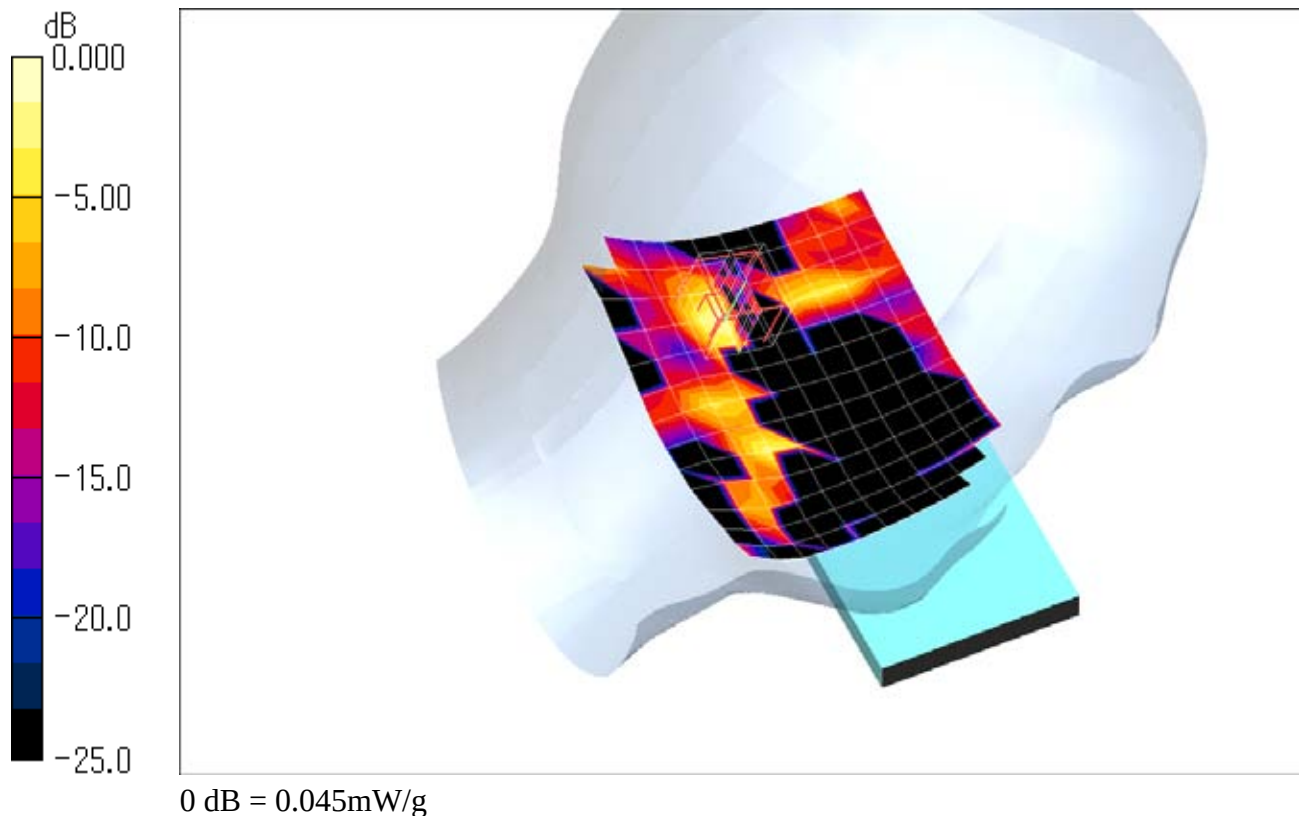
Medium: HBBL3500-5800 Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 4.67 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.96, 4.96, 4.96); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.042 mW/g **Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 3.15 V/m ; Power Drift = 0.062 dB Peak SAR (extrapolated) = 0.086 W/kg **SAR(1 g) = 0.020 mW/g ; SAR(10 g) = 0.00503 mW/g** Maximum value of SAR (measured) = 0.045 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 48ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 4.67 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.96, 4.96, 4.96); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.032 mW/g

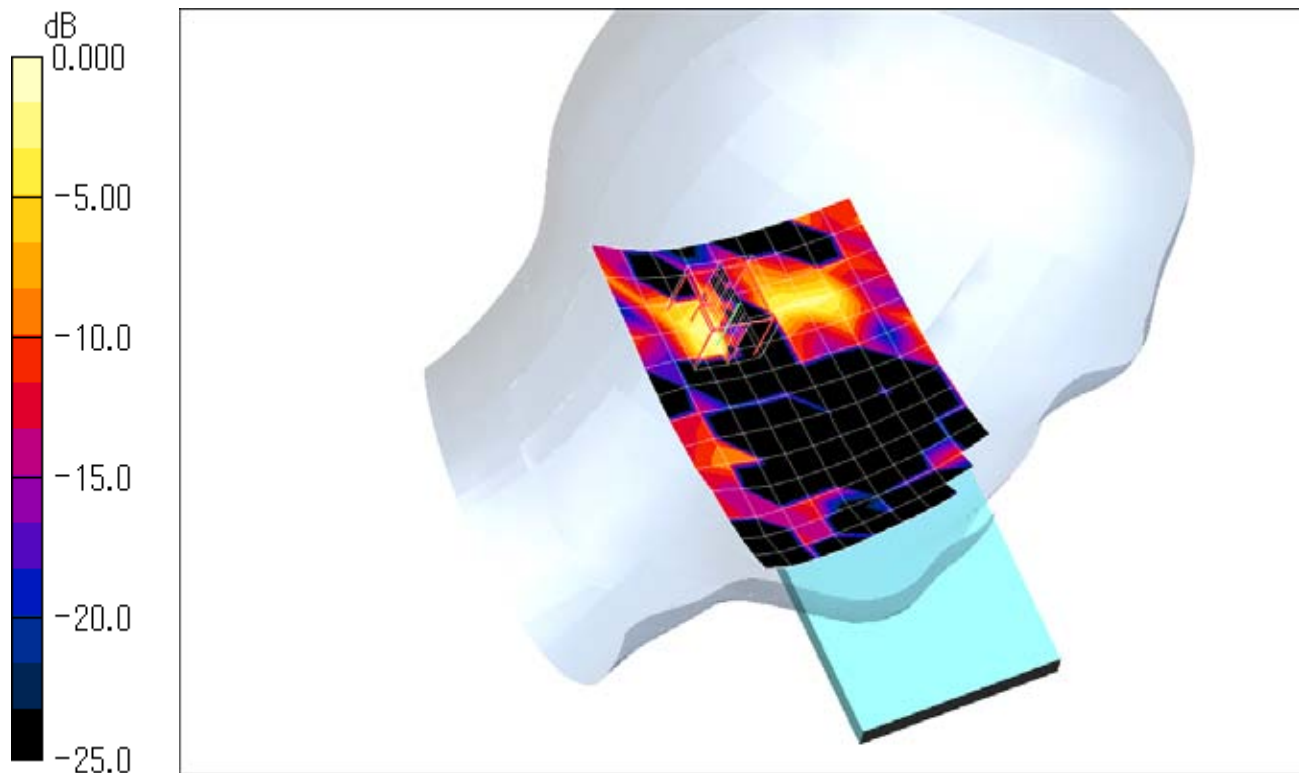
Ear/Tilt Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.89 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00376 mW/g

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



0 dB = 0.034mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 36ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5180 MHz; Duty Cycle: 1:1

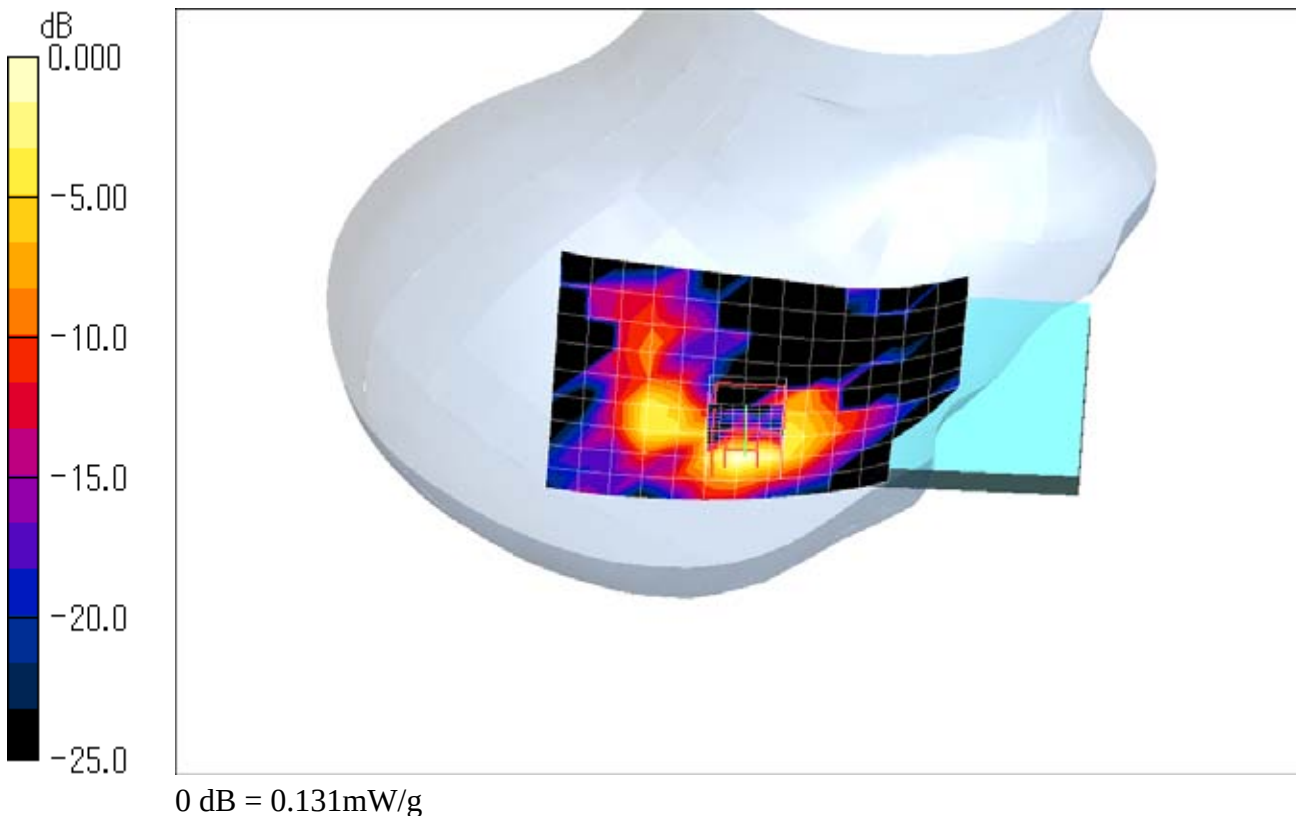
Medium: HBBL3500-5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.6 \text{ mho/m}$; $\epsilon_r = 36.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.96, 4.96, 4.96); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.127 mW/g **Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 4.09 V/m ; Power Drift = -0.127 dB Peak SAR (extrapolated) = 0.272 W/kg **SAR(1 g) = 0.057 mW/g ; SAR(10 g) = 0.016 mW/g** Maximum value of SAR (measured) = 0.131 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 36ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

Communication System: WLAN 11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.6 \text{ mho/m}$; $\epsilon_r = 36.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

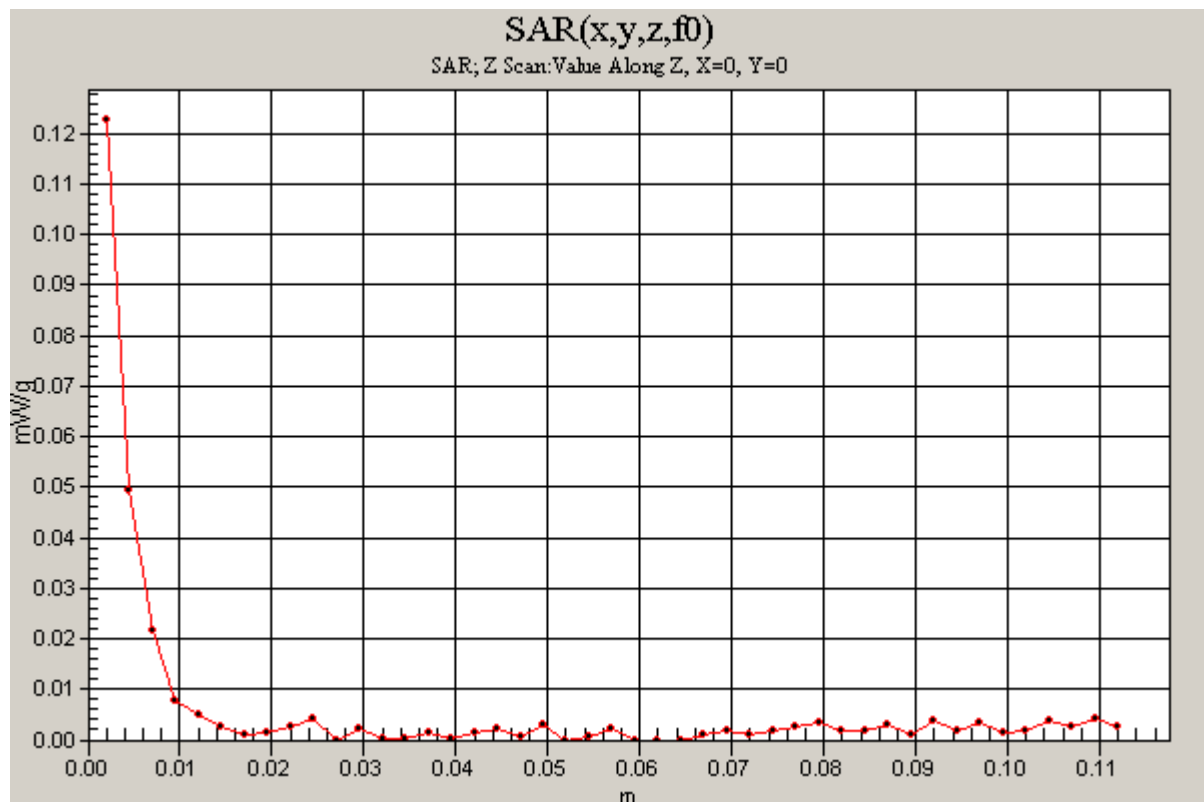
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.96, 4.96, 4.96); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.123 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 36ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.6 \text{ mho/m}$; $\epsilon_r = 36.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.96, 4.96, 4.96); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

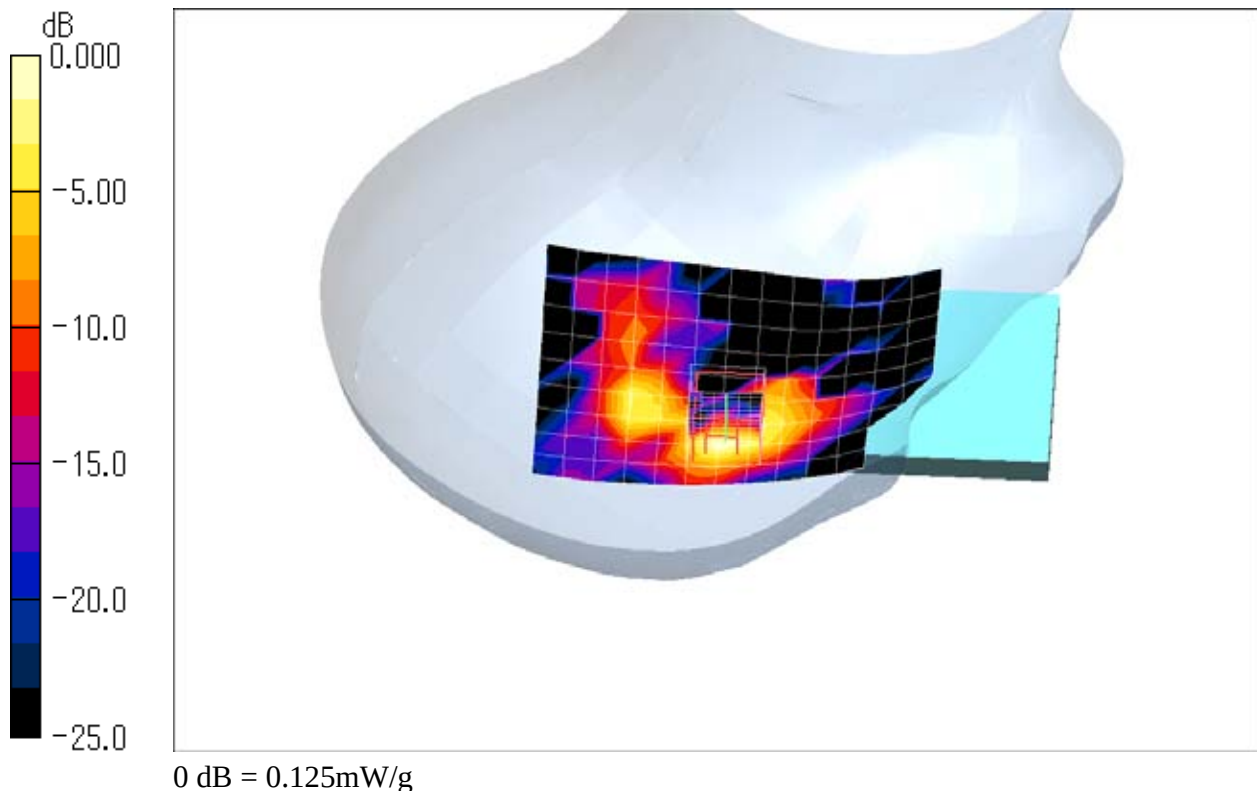
Cheek/Touch Position w/touch-pen/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 0.127 mW/g**Cheek/Touch Position w/touch-pen/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.09 V/m; Power Drift = 0.118 dB

Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.125 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 48ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5240 MHz; Duty Cycle: 1:1

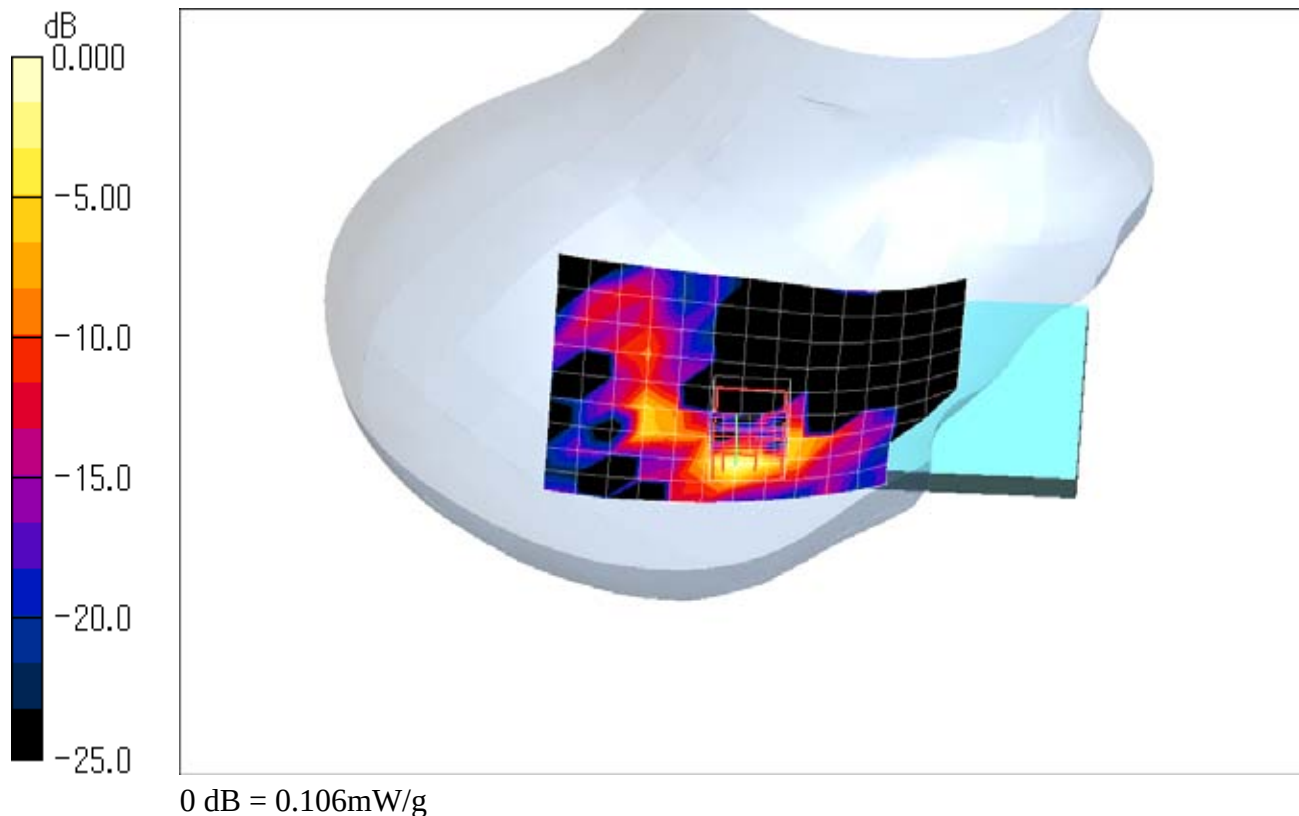
Medium: HBBL3500-5800 Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 4.67 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.96, 4.96, 4.96); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.112 mW/g **Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 2.62 V/m ; Power Drift = 0.107 dB Peak SAR (extrapolated) = 0.189 W/kg **SAR(1 g) = 0.042 mW/g ; SAR(10 g) = 0.011 mW/g** Maximum value of SAR (measured) = 0.106 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 48ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.67$ mho/m; $\epsilon_r = 36$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.96, 4.96, 4.96); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (14x10x1): Measurement grid: dx=10mm, dy=10mm

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

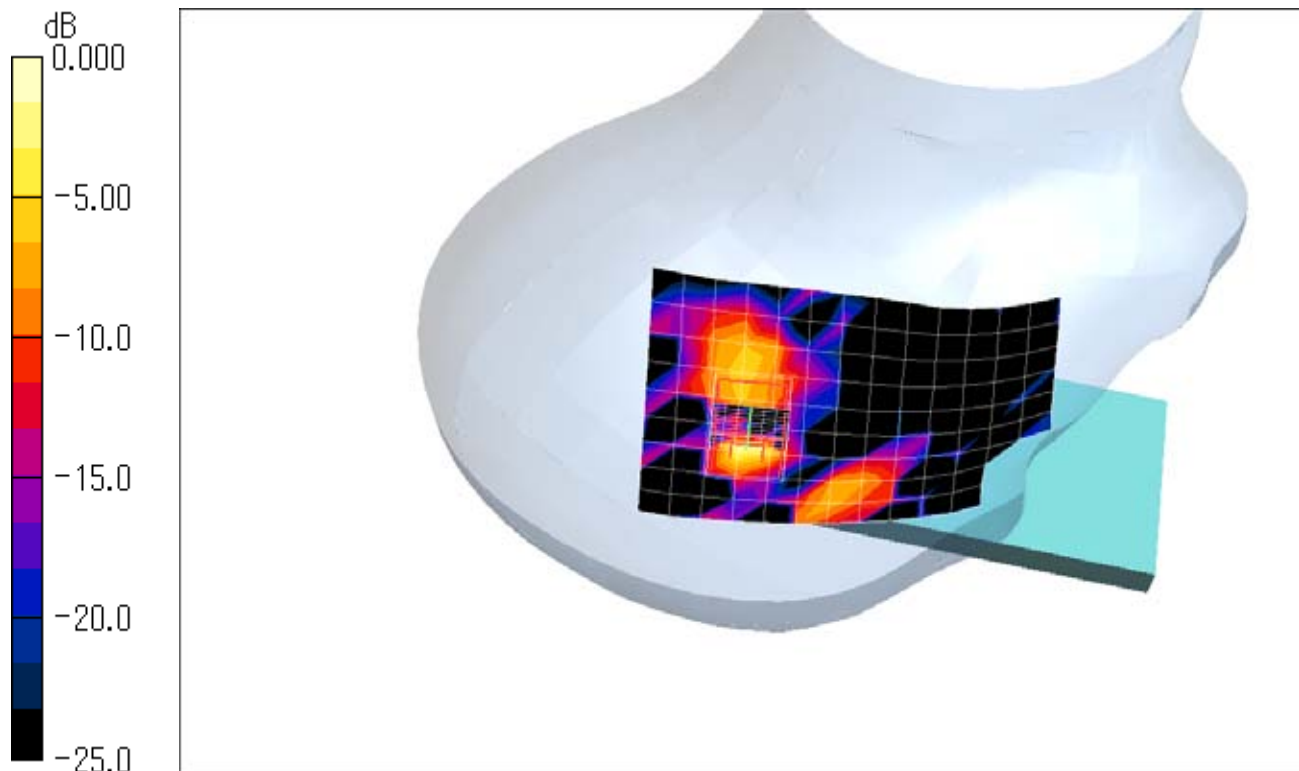
Ear/Tilt Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.26 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.00624 mW/g

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



0 dB = 0.068mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 48ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.37$ mho/m; $\epsilon_r = 48.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Front Side/Area Scan (11x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.024 mW/g

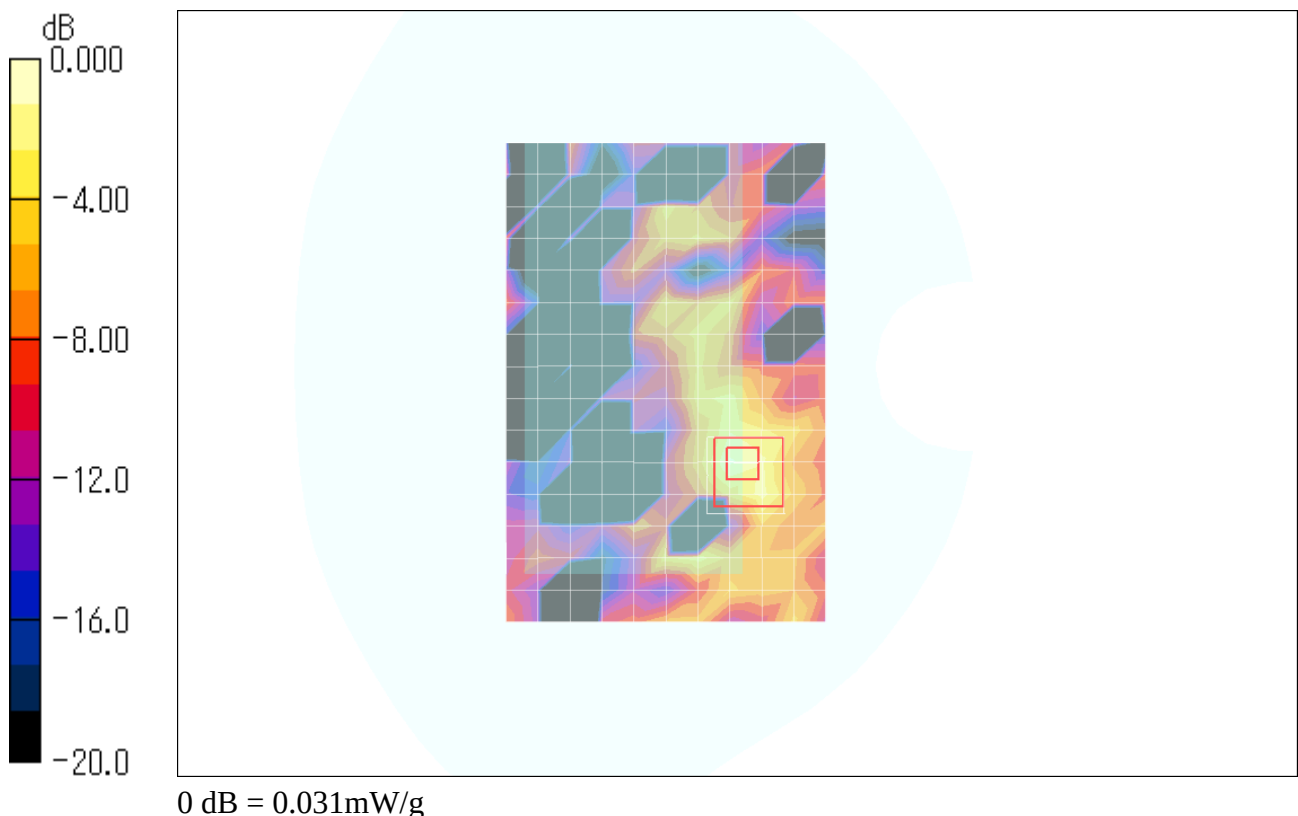
Front Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.01 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00454 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 36ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.29 \text{ mho/m}$; $\epsilon_r = 48.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.230 mW/g

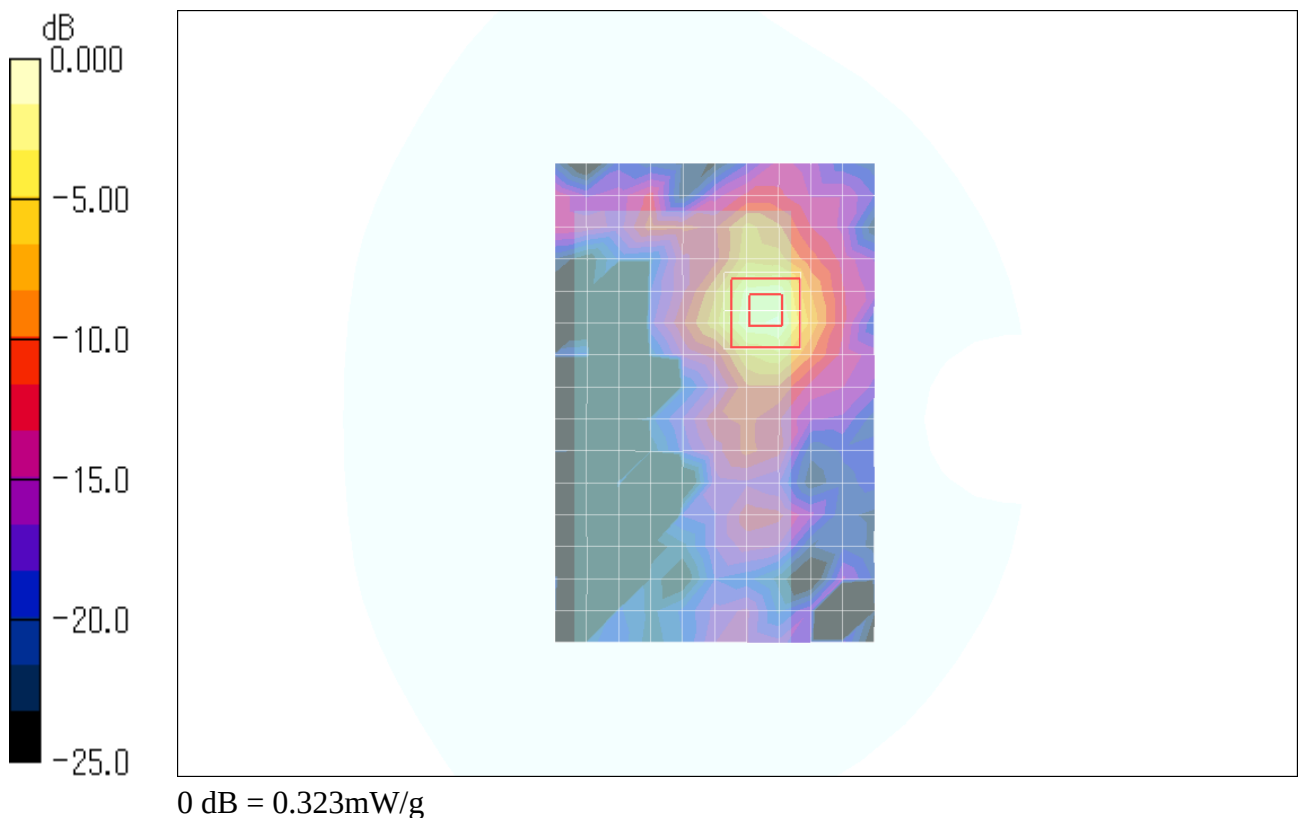
Rear Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.41 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.323 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 36ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.29$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Area Scan (11x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.230 mW/g

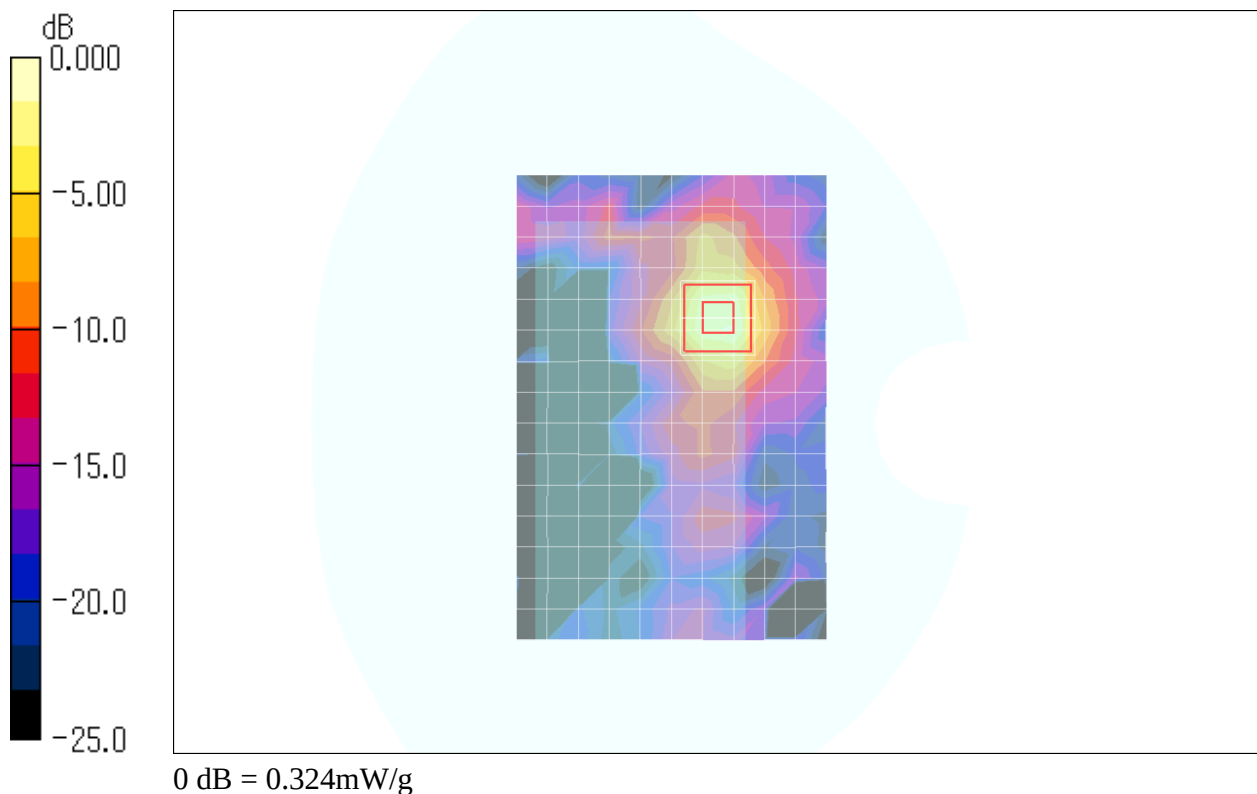
Rear Side w/touch-pen/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.41 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 0.636 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.324 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 36ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5180 MHz; Duty Cycle: 1:1

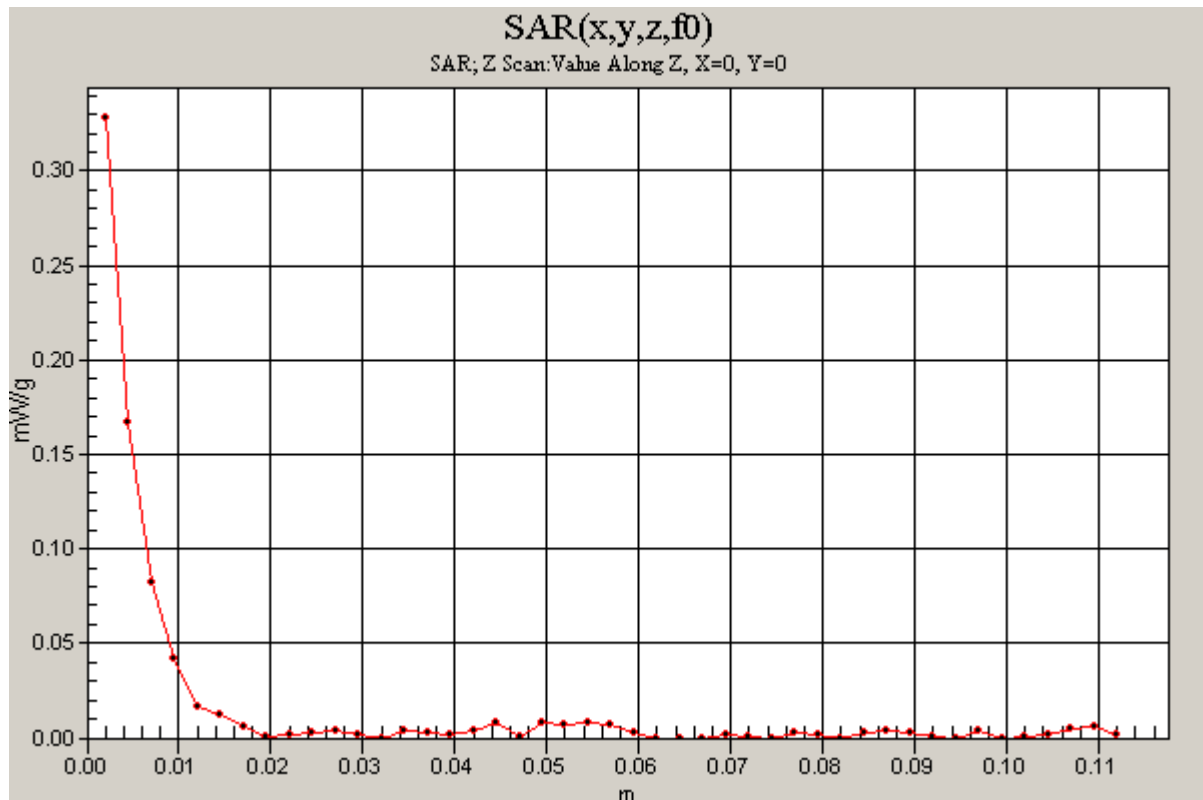
Medium: MBBL3500-5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.29 \text{ mho/m}$; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$
Maximum value of SAR (measured) = 0.328 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 36ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

Communication System: WLAN 11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.29 \text{ mho/m}$; $\epsilon_r = 48.6$; $\rho = 1000$

kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.230 mW/g

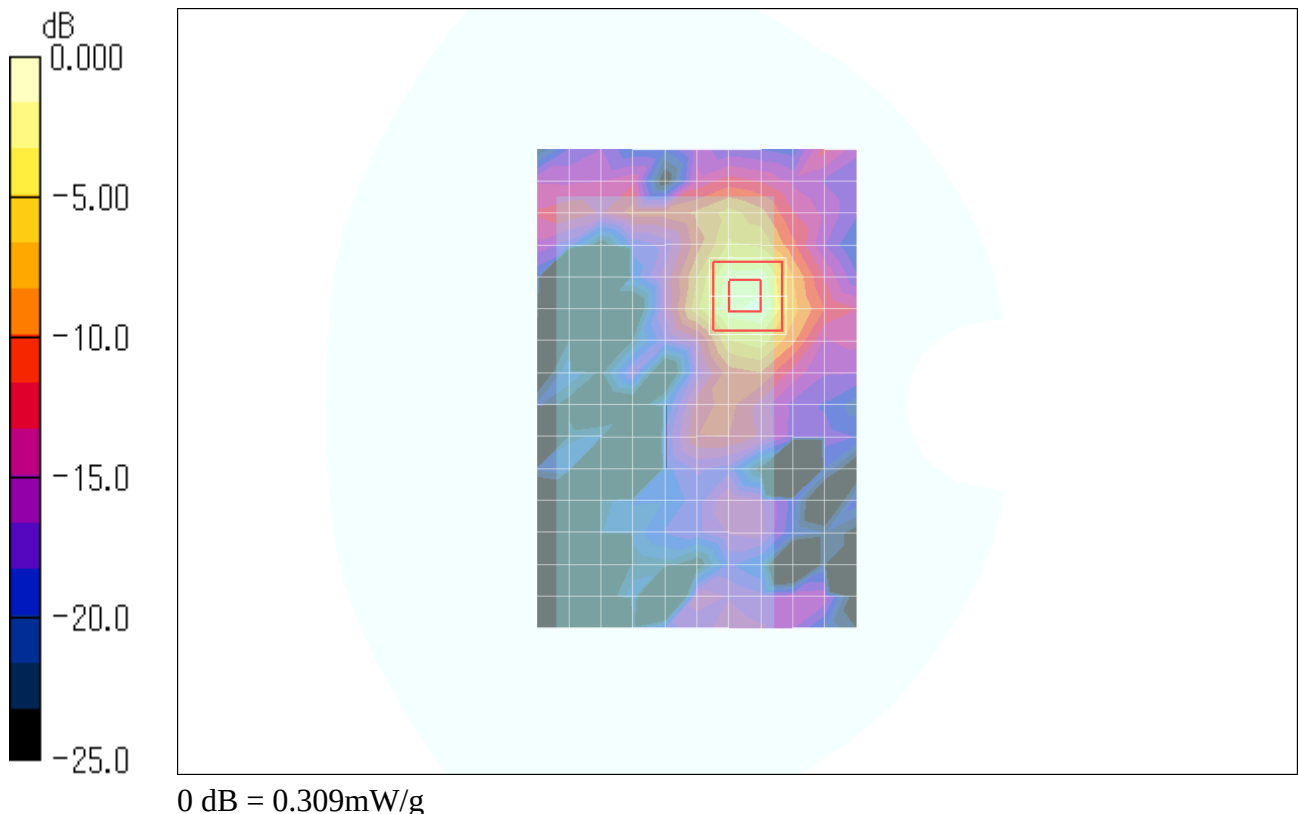
Rear Side w/headset/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.20 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.309 mW/g



0 dB = 0.309mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 48ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 5.37 \text{ mho/m}$; $\epsilon_r = 48.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.210 mW/g

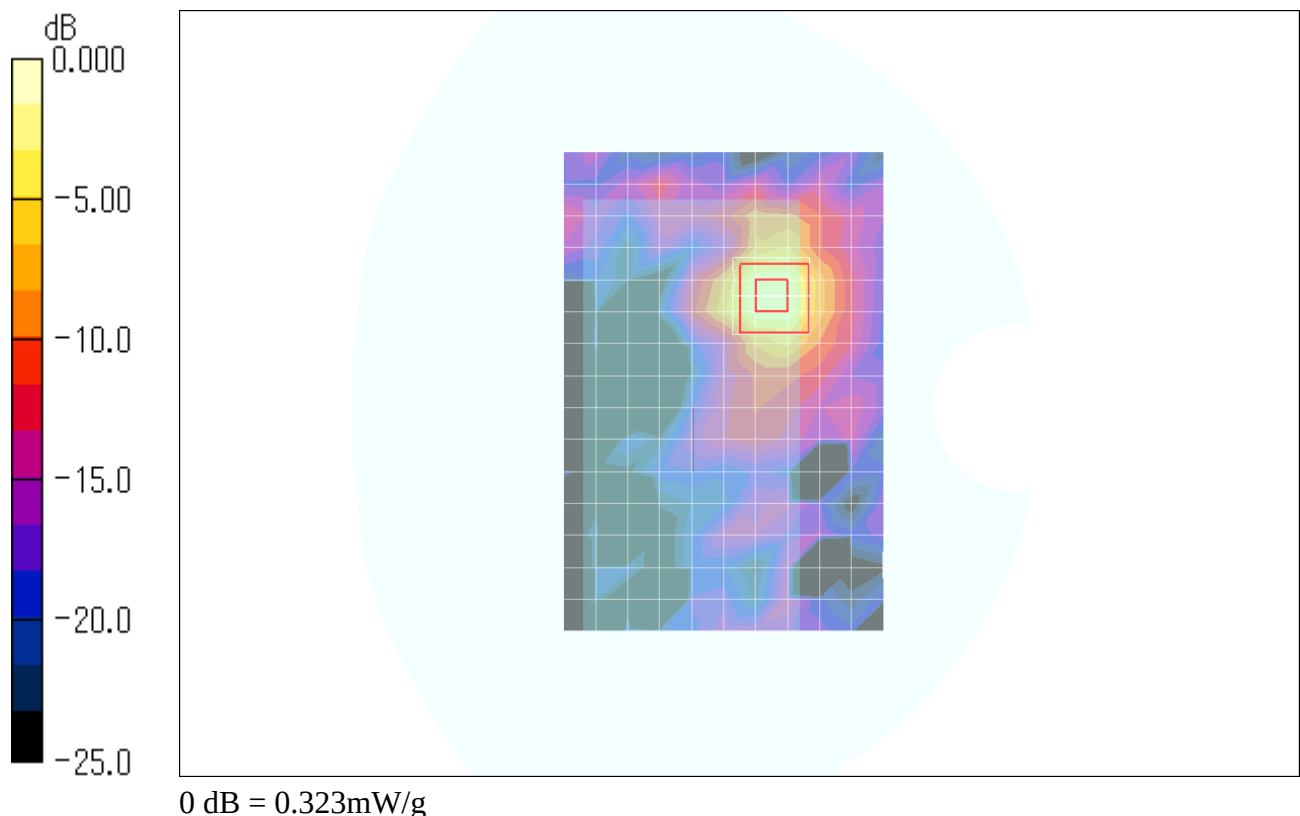
Rear Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.01 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 0.649 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.323 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 52ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.69 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.71, 4.71, 4.71); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.053 mW/g

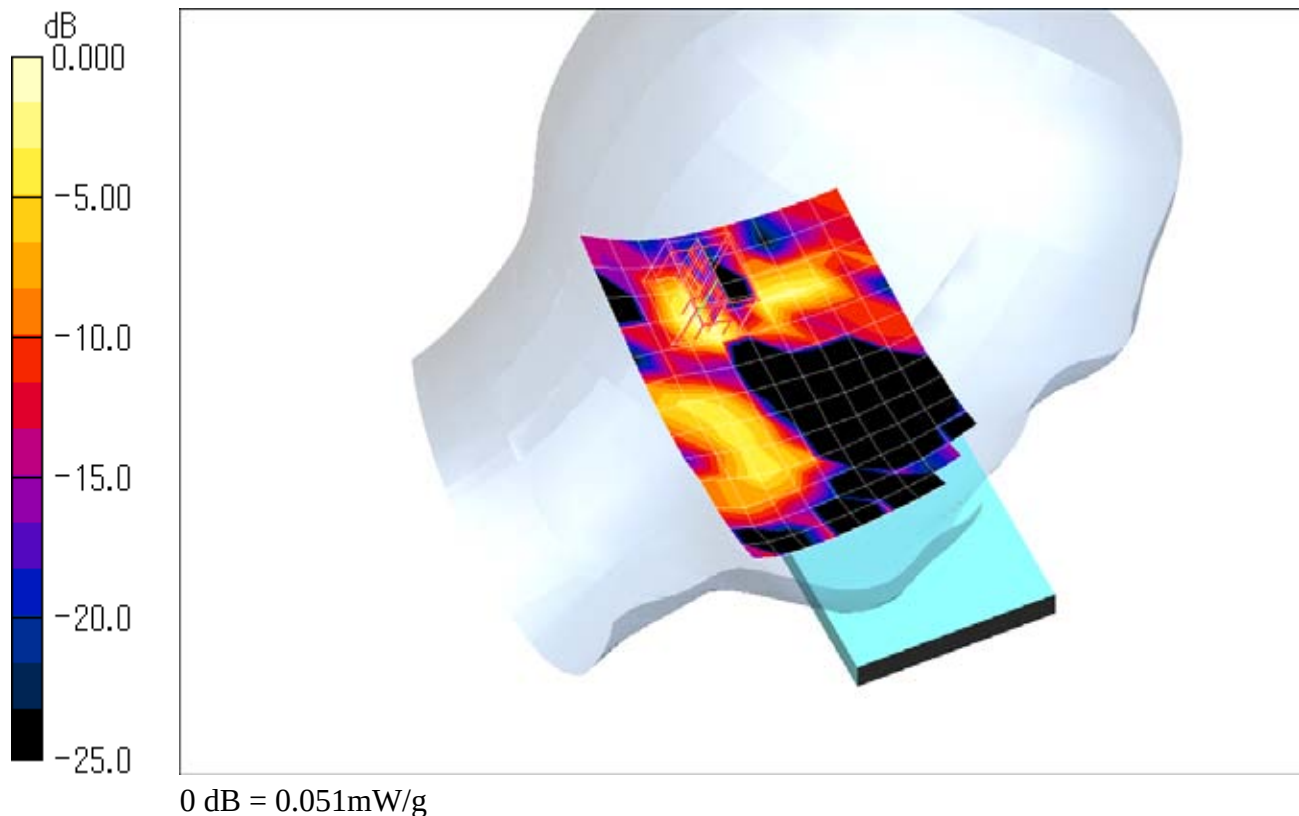
Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.54 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.098 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.00578 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 52ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.69 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.71, 4.71, 4.71); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

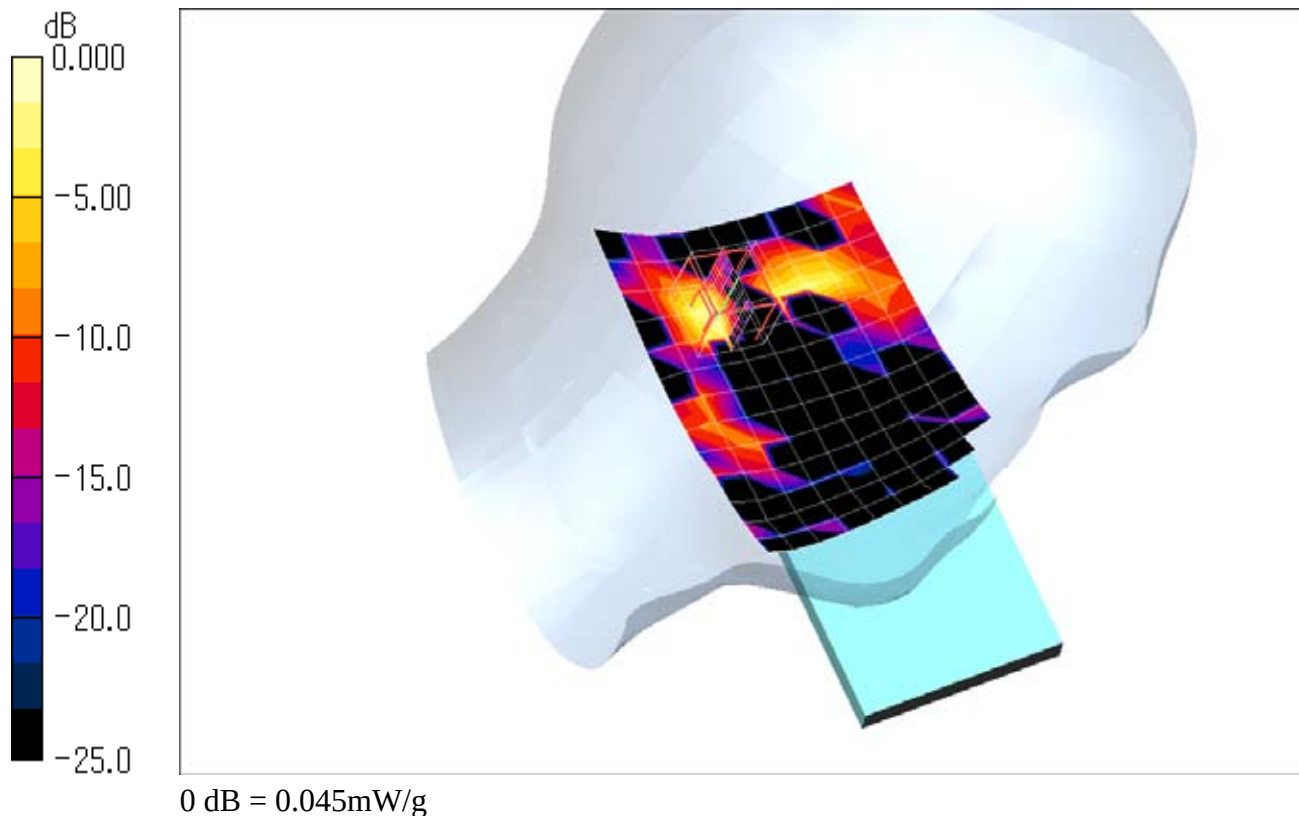
Ear/Tilt Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.94 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.0042 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 52ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.69 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.71, 4.71, 4.71); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.153 mW/g

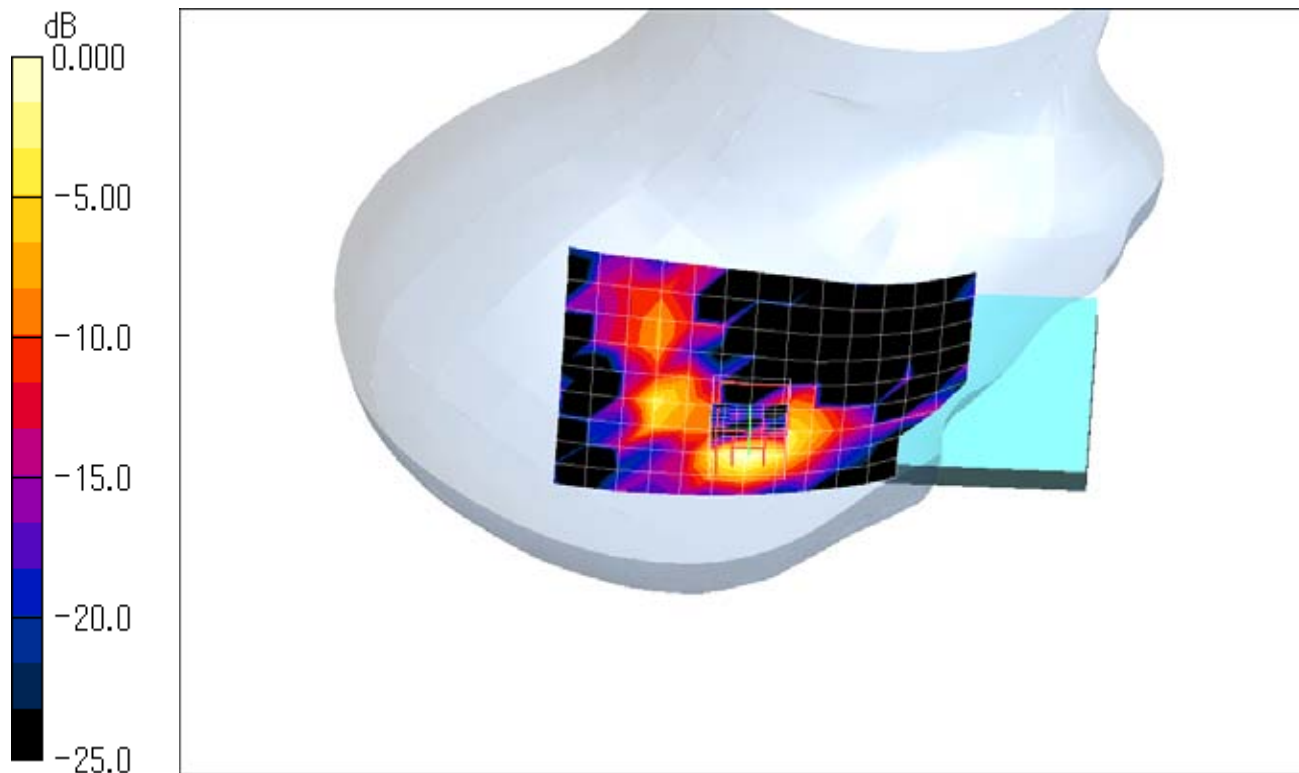
Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.29 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.129 mW/g



0 dB = 0.129mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 52ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

Communication System: WLAN 11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.69 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

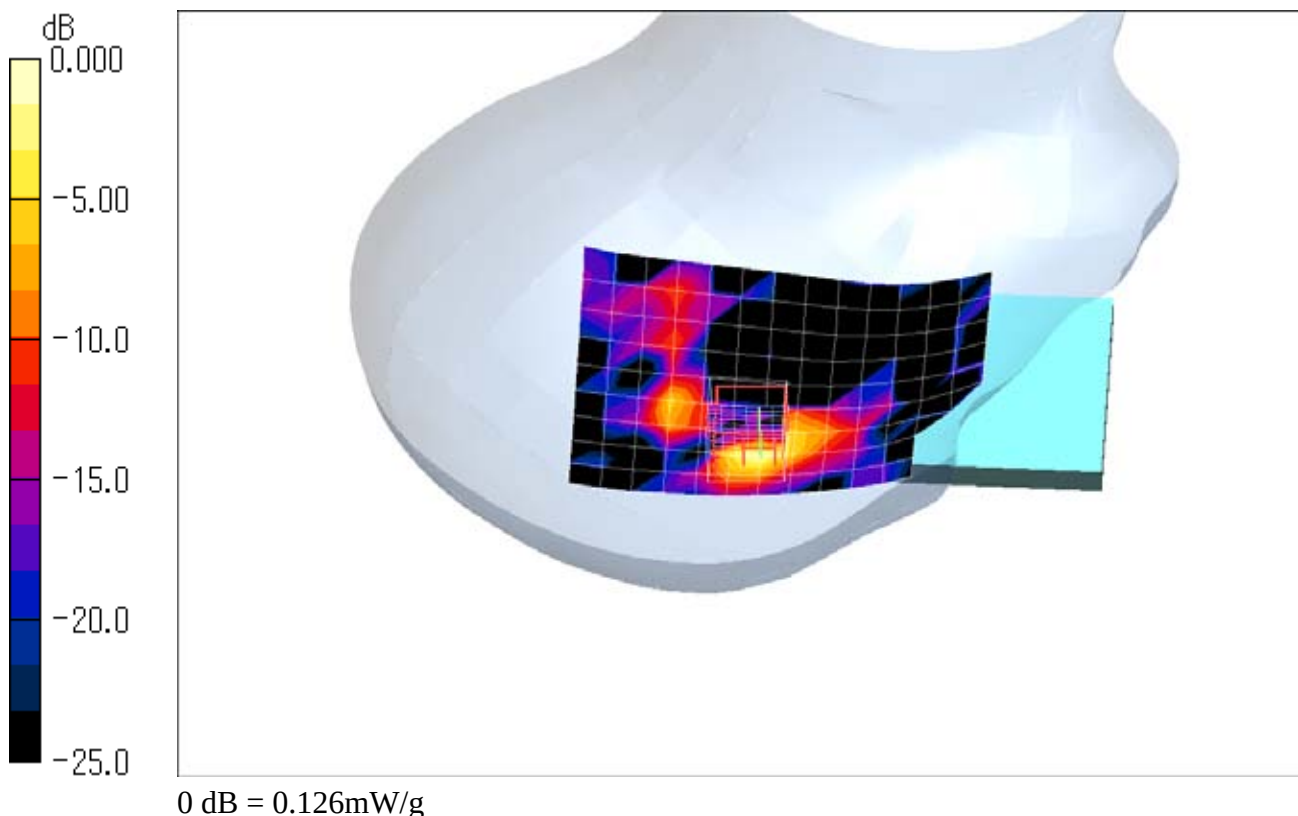
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.71, 4.71, 4.71); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position w/touch-pen/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 0.111 mW/g

Cheek/Touch Position w/touch-pen/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
Reference Value = 2.58 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 0.251 W/kg
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.126 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 52ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.69 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

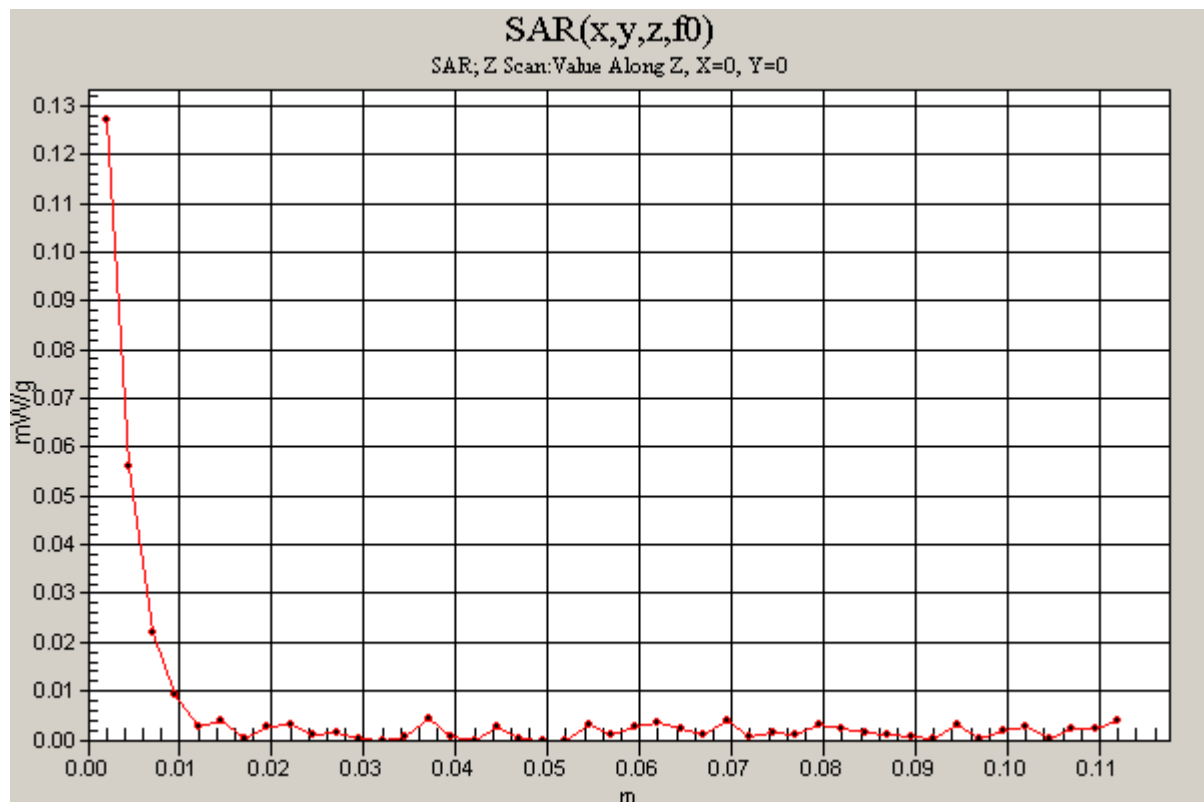
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.71, 4.71, 4.71); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position w/touch-pen/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$

Maximum value of SAR (measured) = 0.127 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 64ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 4.76 \text{ mho/m}$; $\epsilon_r = 35.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.71, 4.71, 4.71); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.114 mW/g

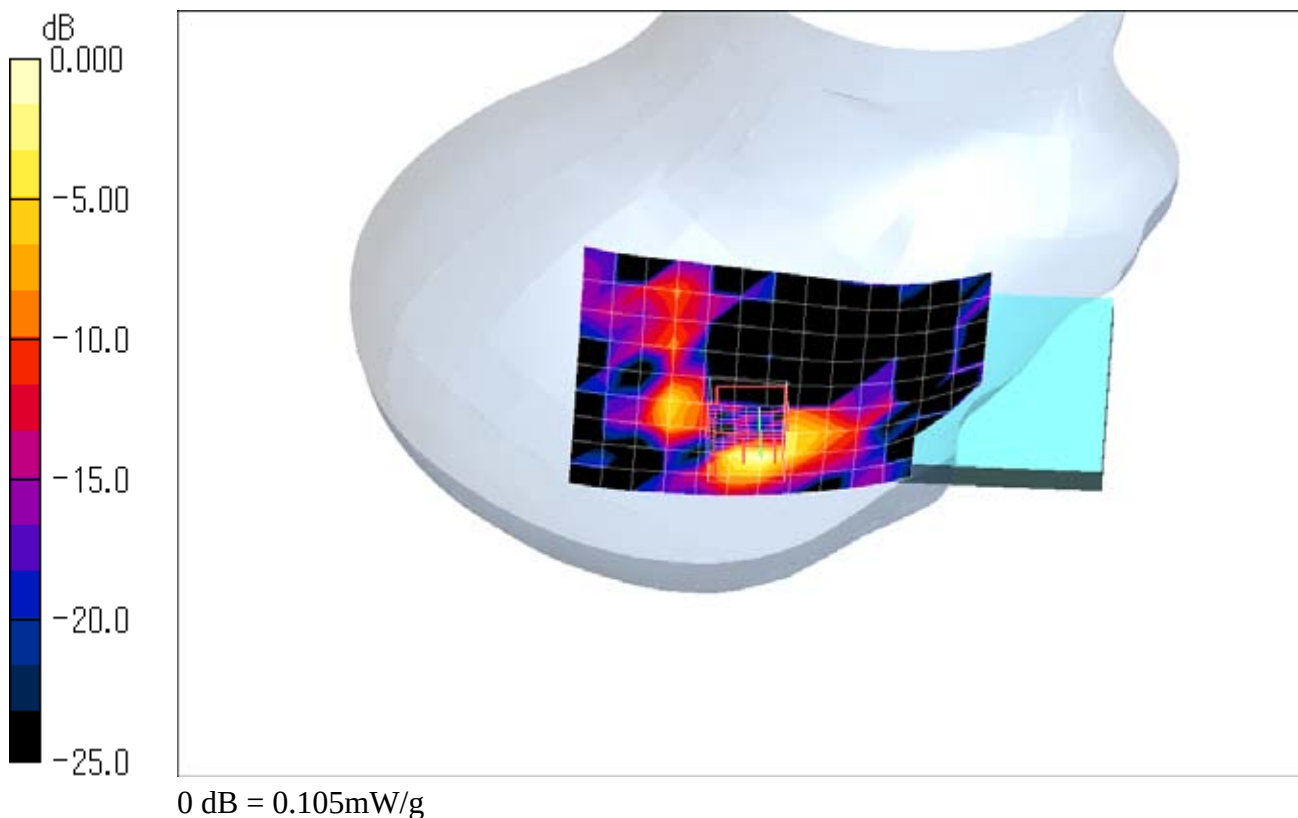
Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.61 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.010 mW/g

Maximum value of SAR (measured) = 0.105 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 52ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.69 \text{ mho/m}$; $\epsilon_r = 36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.71, 4.71, 4.71); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

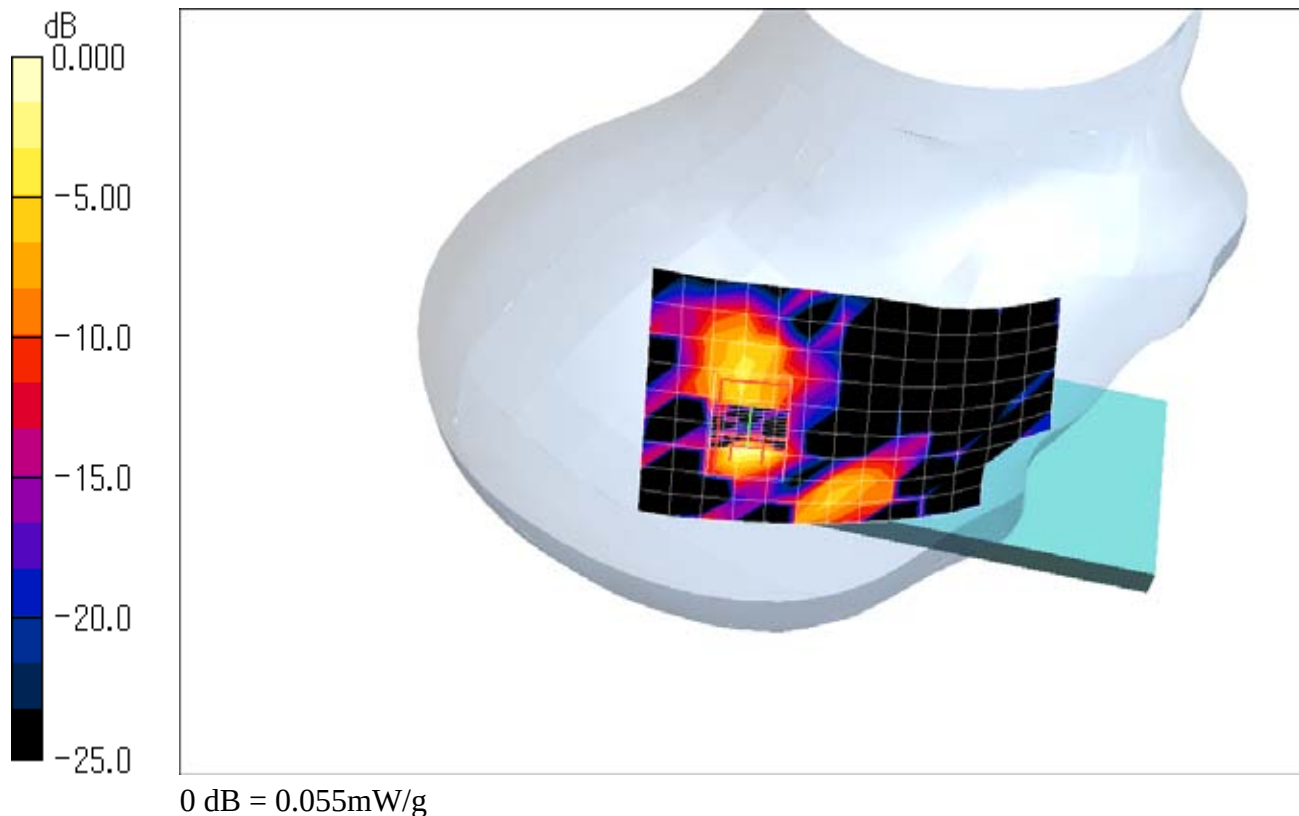
Ear/Tilt Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.29 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.00263 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 52ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Front Side/Area Scan (11x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.021 mW/g

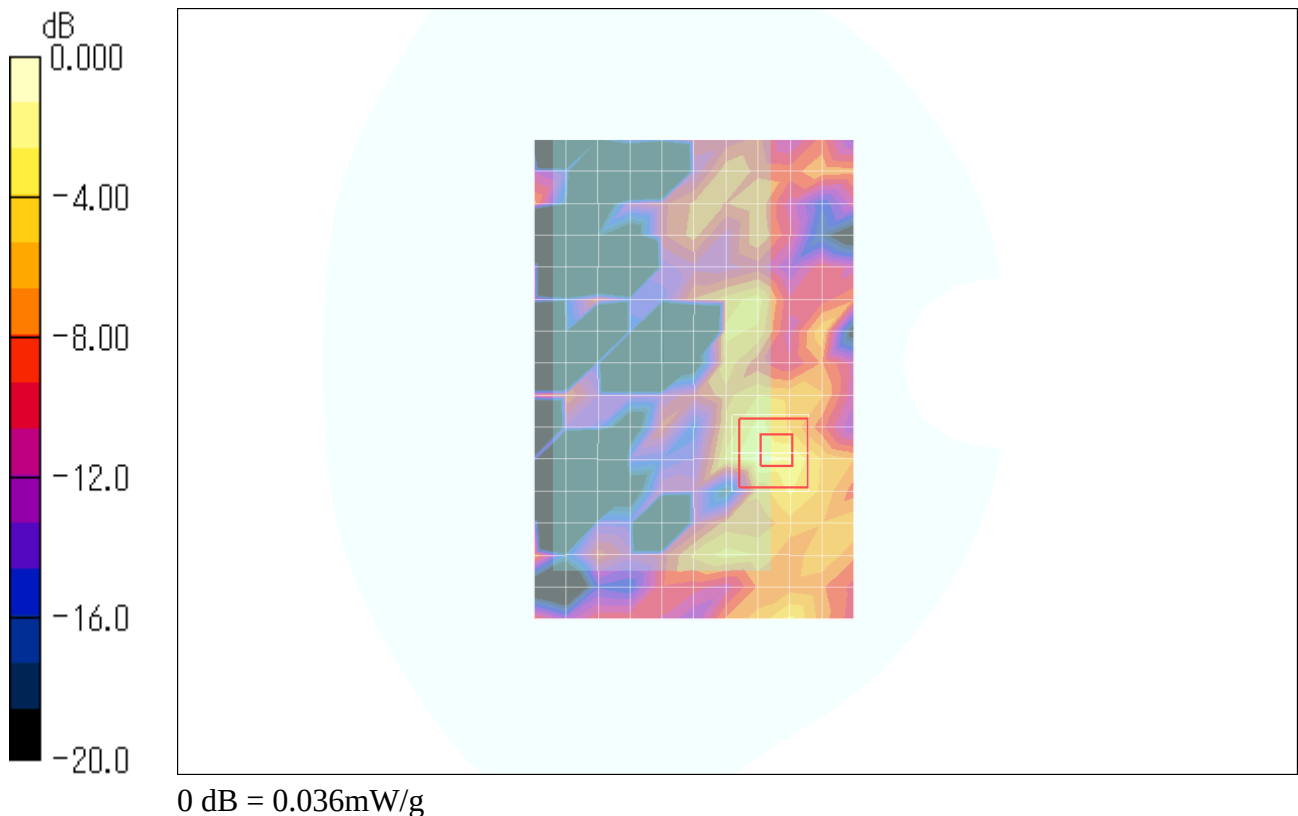
Front Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.05 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00485 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 52ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.4 \text{ mho/m}$; $\epsilon_r = 48.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.220 mW/g

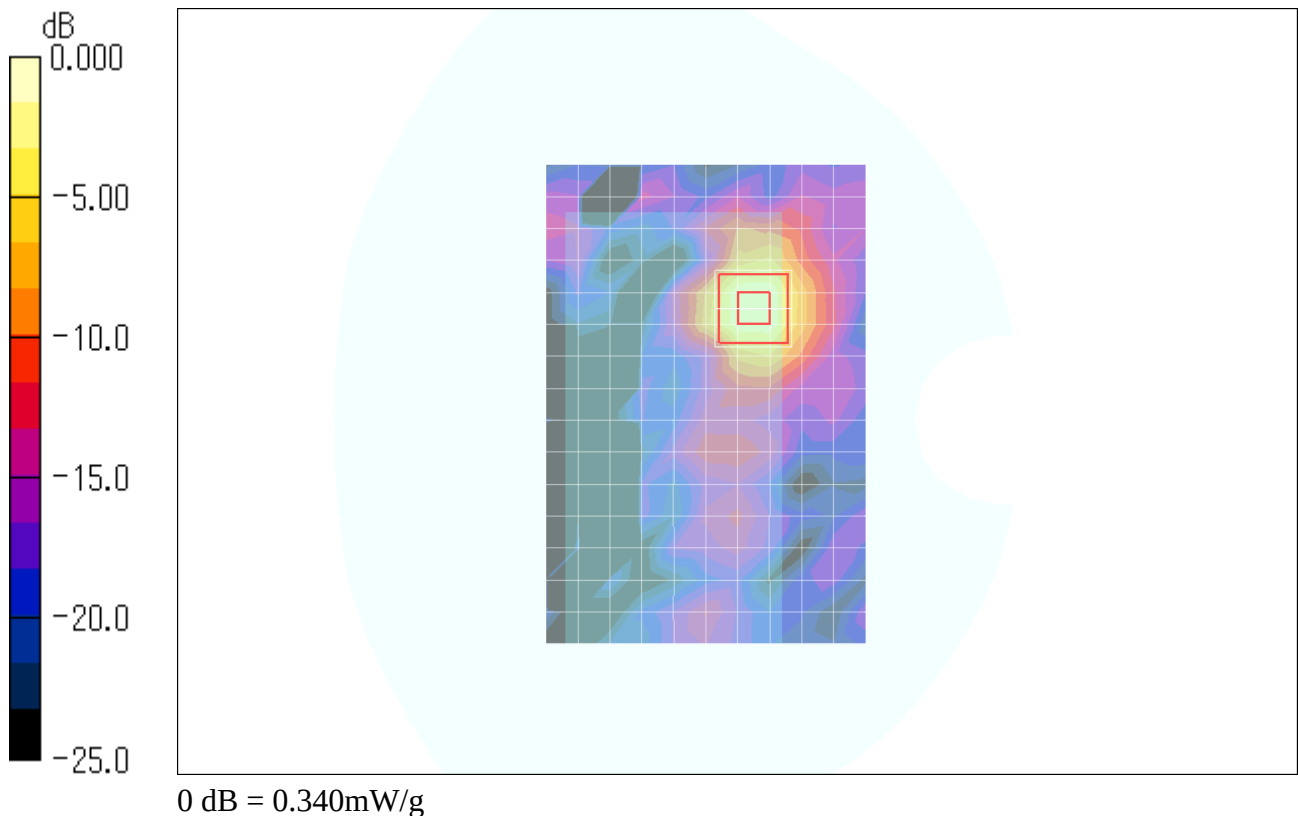
Rear Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.88 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.674 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.053 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 64ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MBL3500-5800 Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 5.49 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.240 mW/g

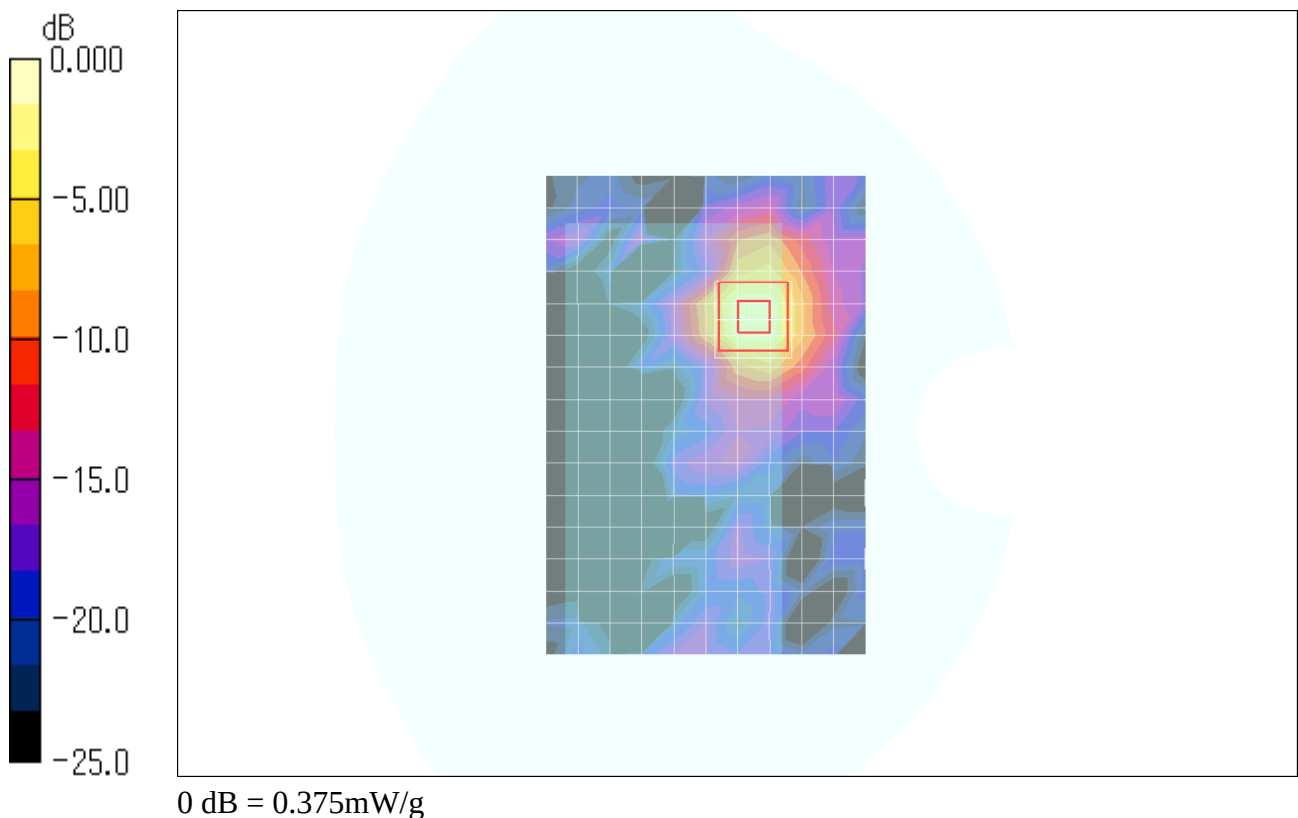
Rear Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.86 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.759 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.058 mW/g

Maximum value of SAR (measured) = 0.375 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 64ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5320 MHz; Duty Cycle: 1:1

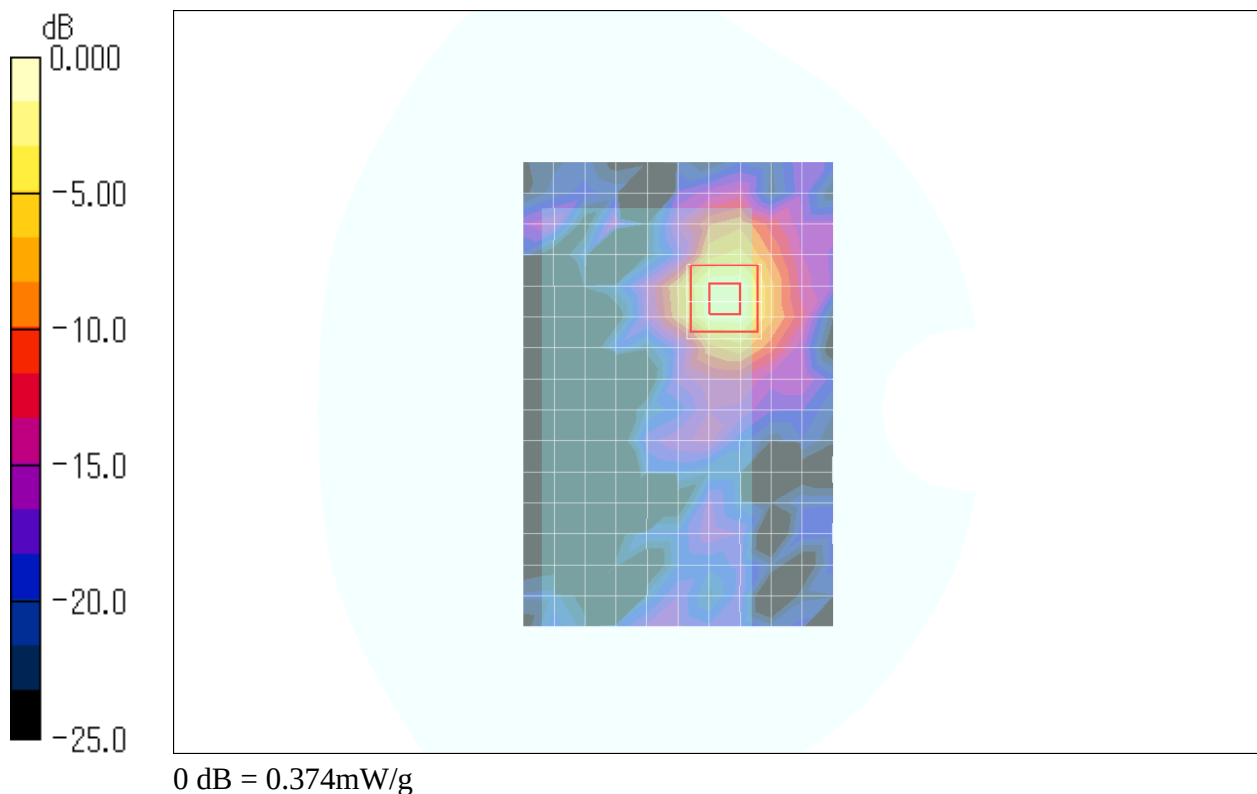
Medium: MBBL3500-5800 Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 5.49 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.240 mW/g **Rear Side w/touch-pen/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 3.86 V/m ; Power Drift = -0.050 dB Peak SAR (extrapolated) = 0.780 W/kg **SAR(1 g) = 0.193 mW/g ; SAR(10 g) = 0.059 mW/g** Maximum value of SAR (measured) = 0.374 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 64ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334

Communication System: WLAN 11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 5.49 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$

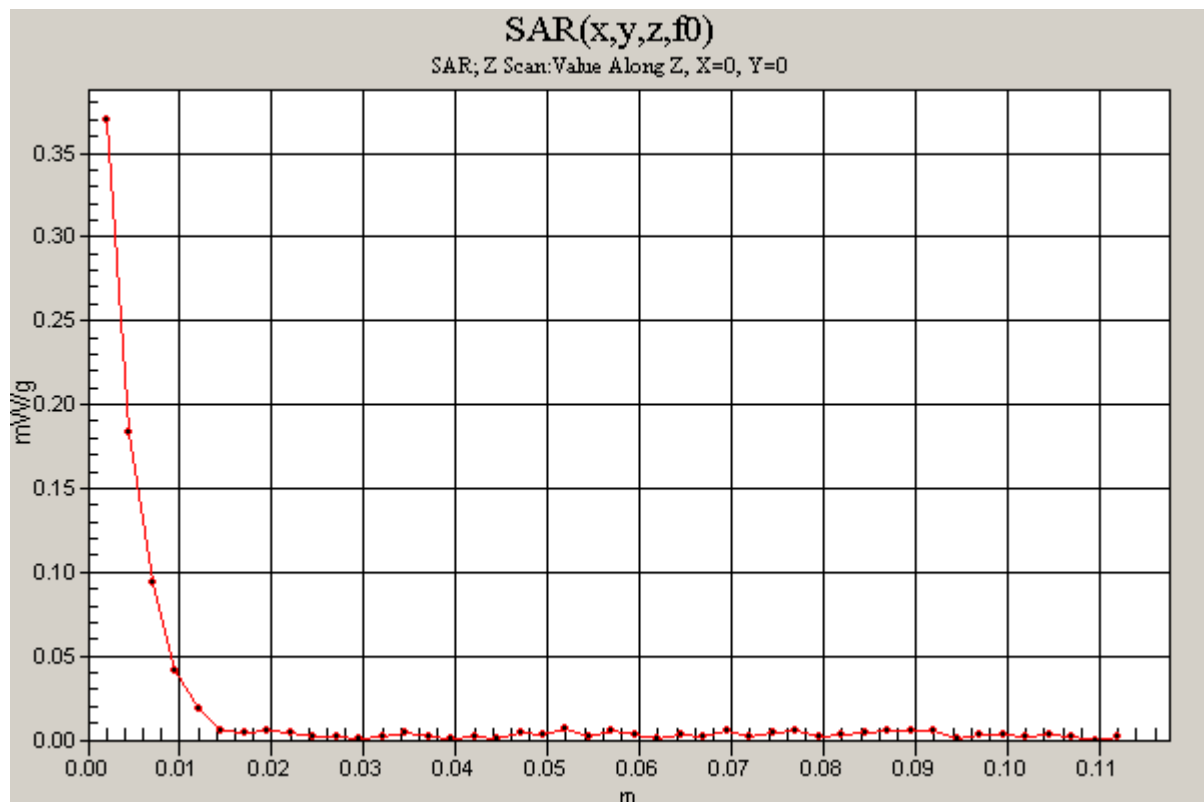
Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$
Maximum value of SAR (measured) = 0.370 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 64ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 48.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Area Scan (11x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.233 mW/g

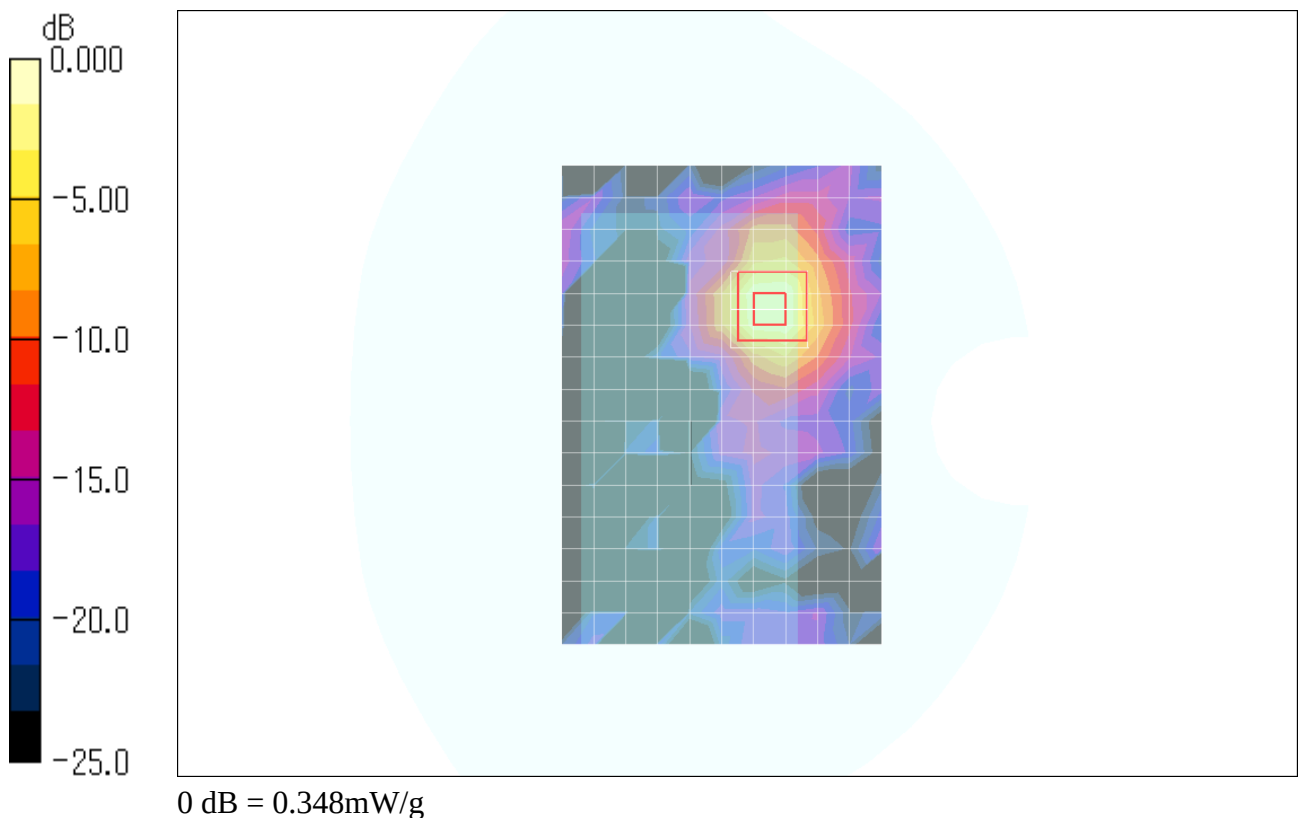
Rear Side w/headset/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.98 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.713 W/kg

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.054 mW/g

Maximum value of SAR (measured) = 0.348 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 104ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5520 \text{ MHz}$; $\sigma = 4.99 \text{ mho/m}$; $\epsilon_r = 35.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.55, 4.55, 4.55); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.047 mW/g

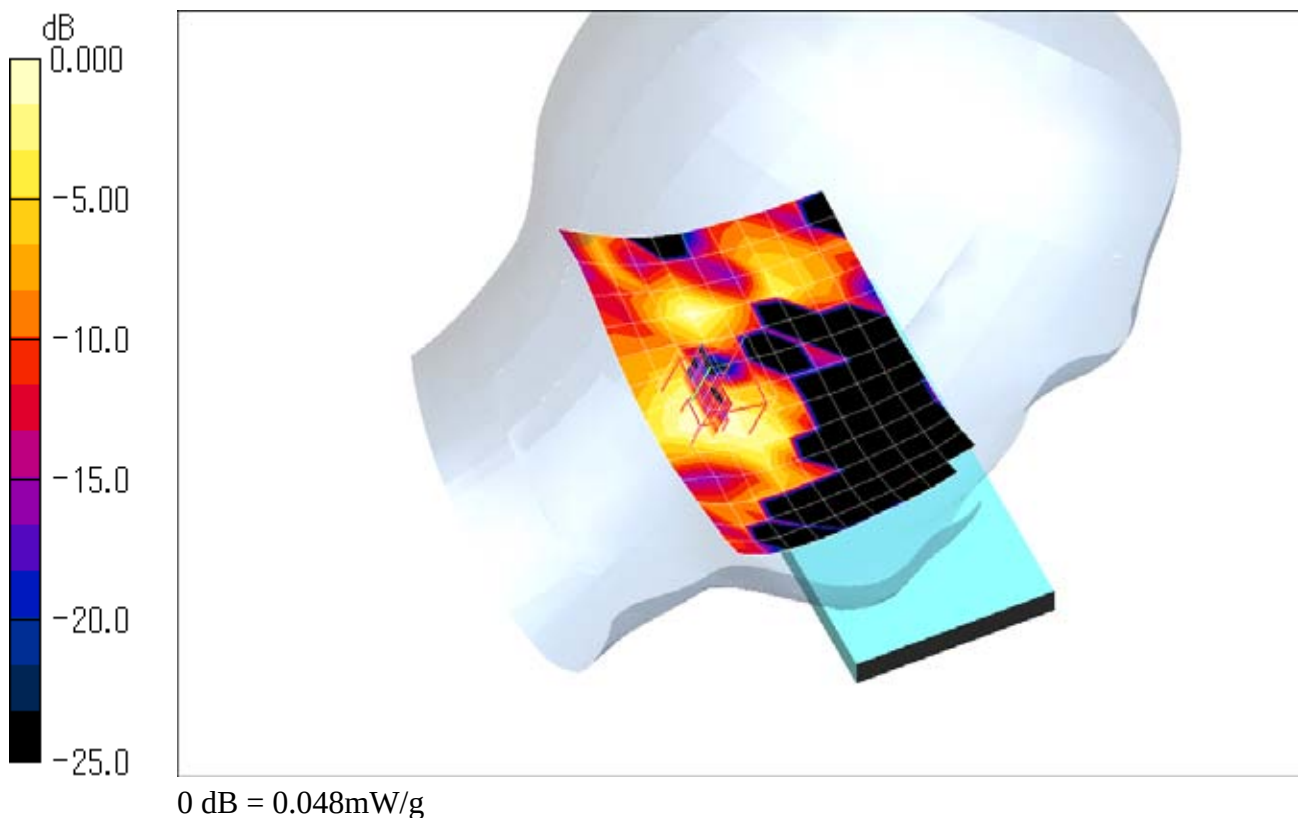
Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.32 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.00863 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head 104ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5520 \text{ MHz}$; $\sigma = 4.99 \text{ mho/m}$; $\epsilon_r = 35.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.55, 4.55, 4.55); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

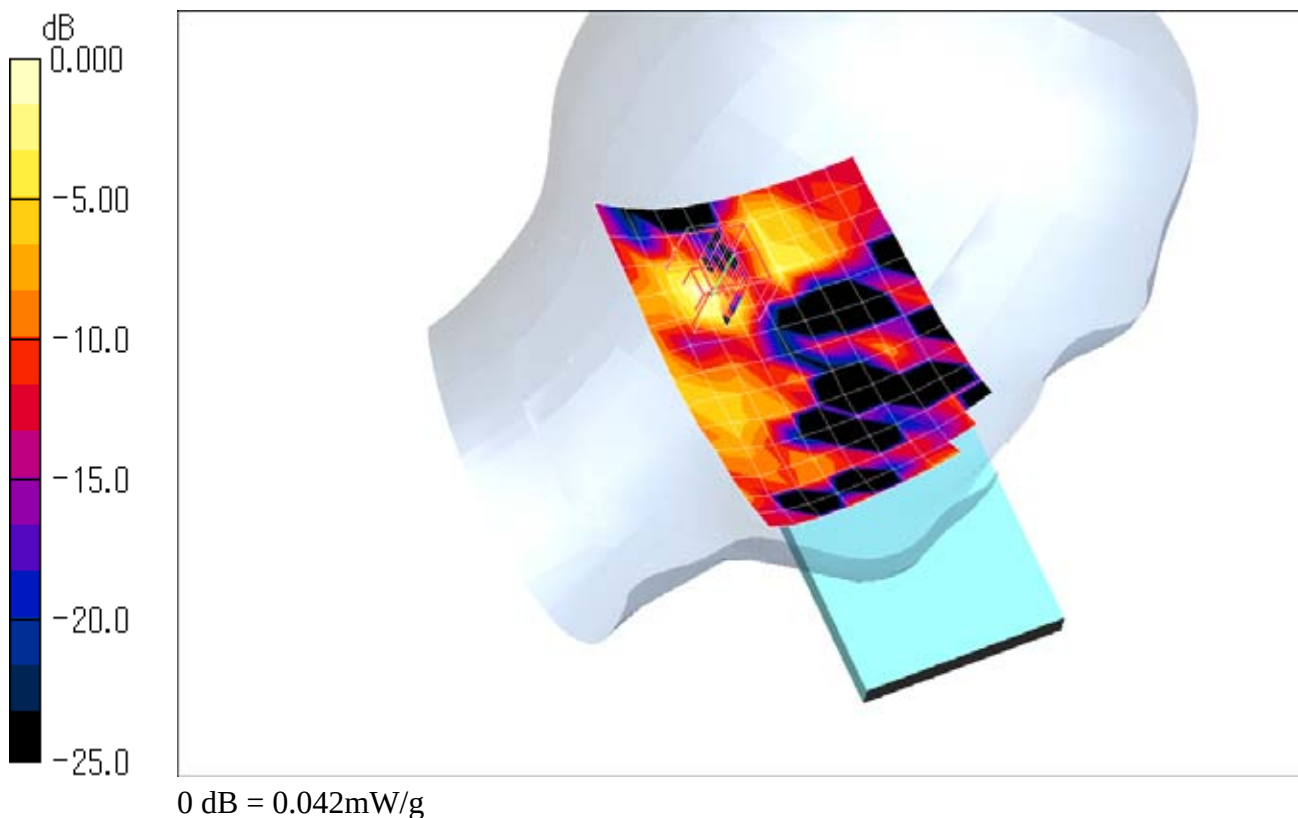
Ear/Tilt Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.23 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00452 mW/g

Maximum value of SAR (measured) = 0.042 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 104ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5520$ MHz; $\sigma = 4.99$ mho/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.55, 4.55, 4.55); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: dx=10mm, dy=10mm

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

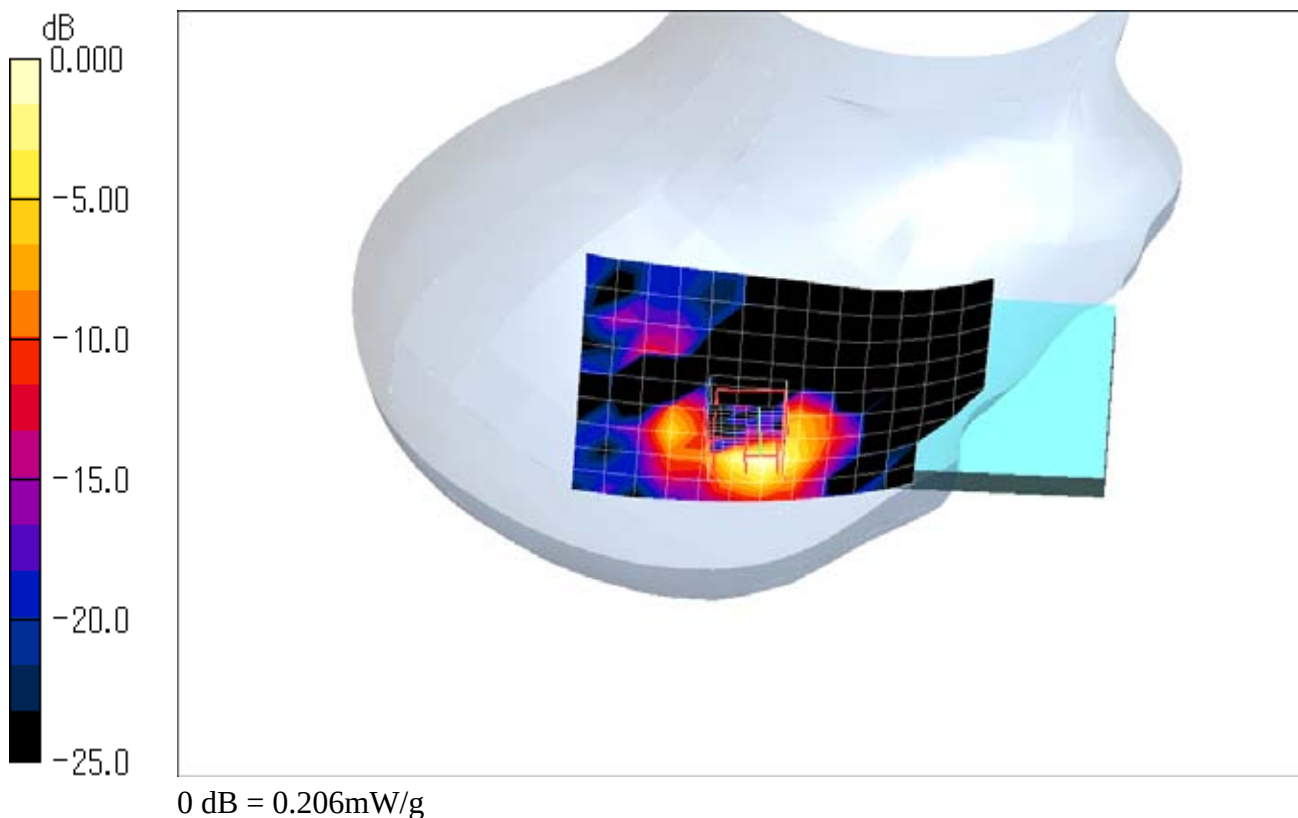
Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.81 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.206 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 116ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5580 \text{ MHz}$; $\sigma = 5.05 \text{ mho/m}$; $\epsilon_r = 35.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.4, 4.4, 4.4); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.238 mW/g

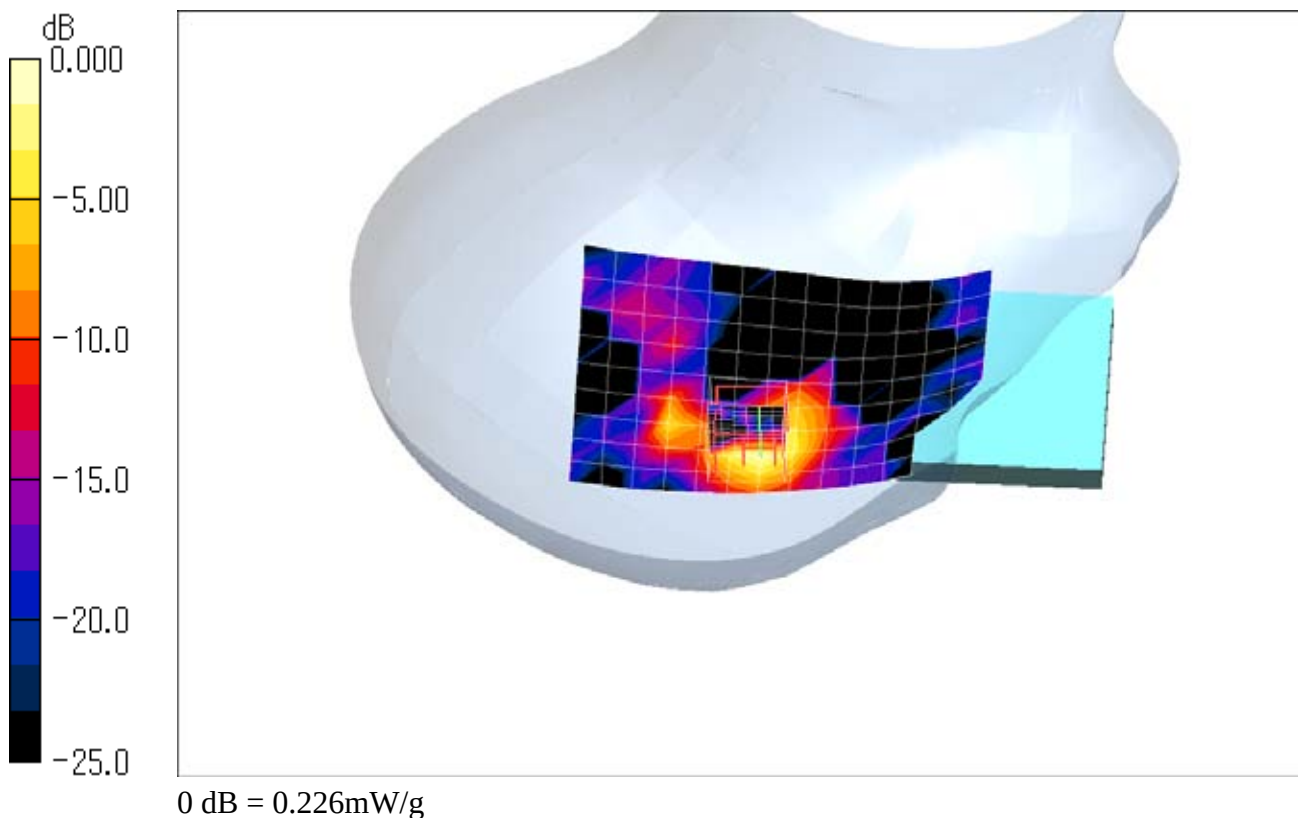
Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.18 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.226 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 136ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5680$ MHz; $\sigma = 5.16$ mho/m; $\epsilon_r = 35.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.4, 4.4, 4.4); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Cheek/Touch Position/Area Scan (14x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.268 mW/g

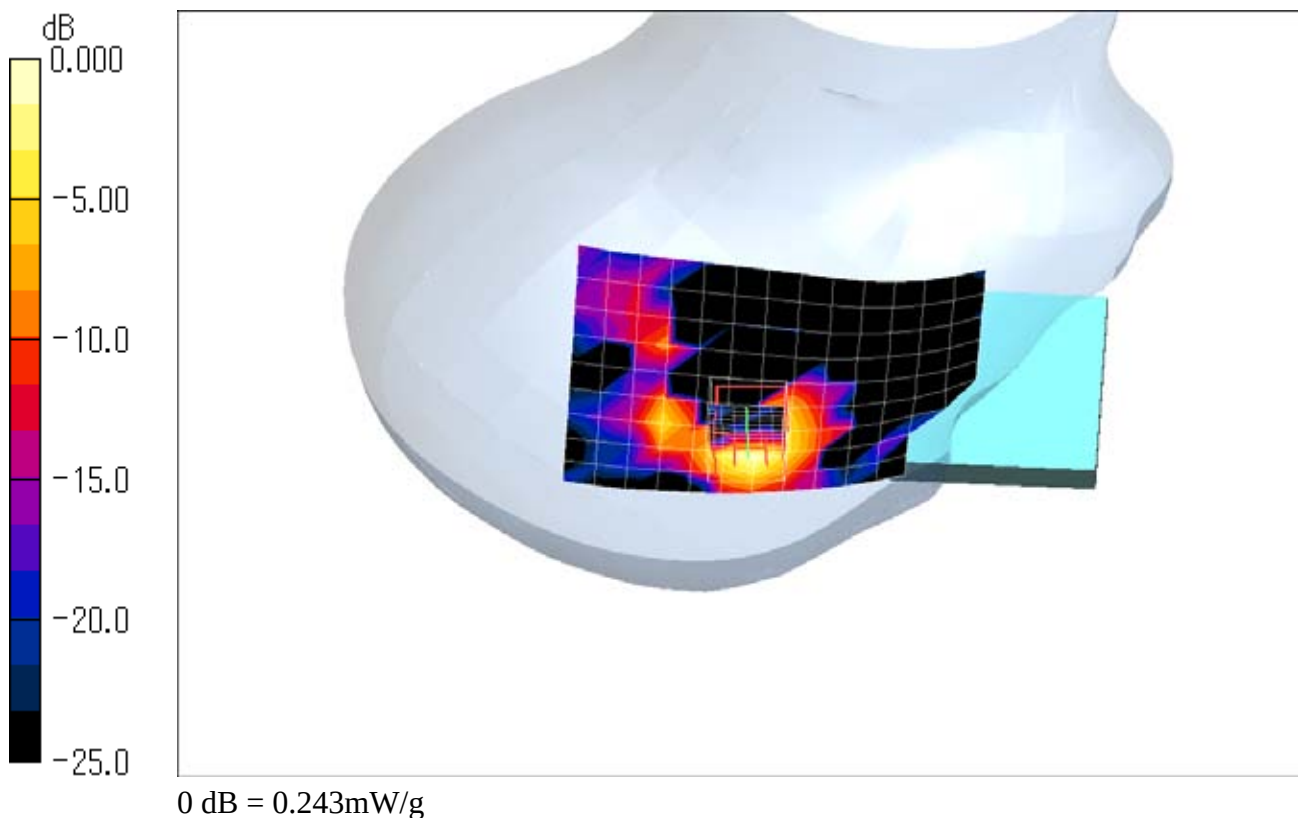
Cheek/Touch Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.16 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.243 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 136ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5680$ MHz; $\sigma = 5.16$ mho/m; $\epsilon_r = 35.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

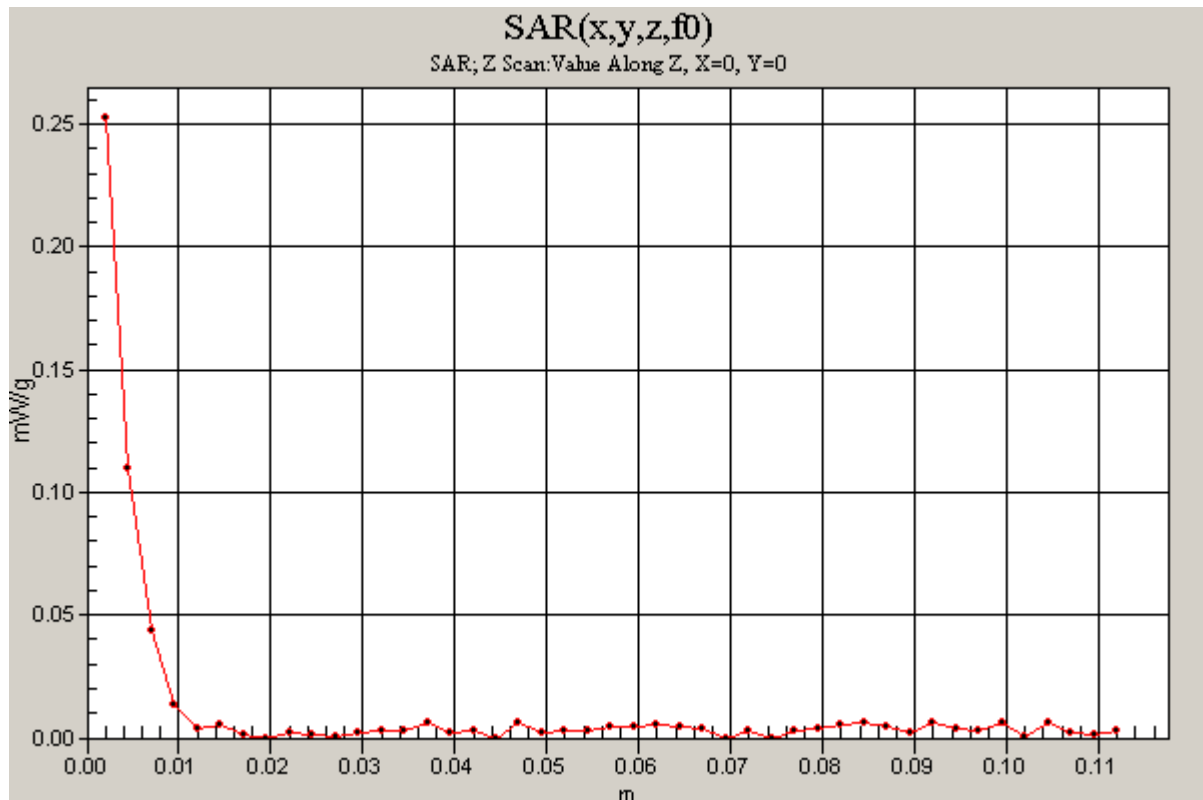
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.4, 4.4, 4.4); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (measured) = 0.253 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 136ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5680 \text{ MHz}$; $\sigma = 5.16 \text{ mho/m}$; $\epsilon_r = 35.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.4, 4.4, 4.4); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

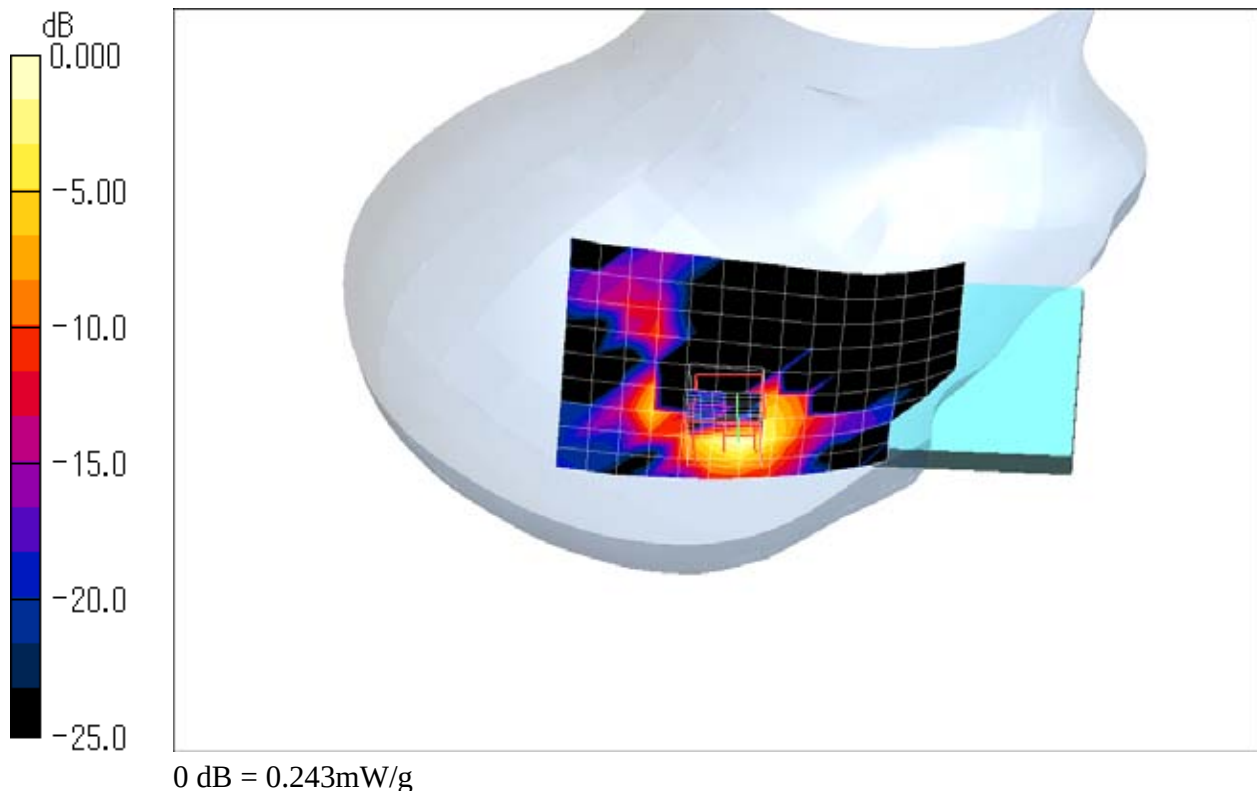
Cheek/Touch Position w/touch-pen/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 0.246 mW/g**Cheek/Touch Position w/touch-pen/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.78 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.450 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.243 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head 104ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium: HBBL3500-5800 Medium parameters used: $f = 5520 \text{ MHz}$; $\sigma = 4.99 \text{ mho/m}$; $\epsilon_r = 35.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.55, 4.55, 4.55); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Ear/Tilt Position/Area Scan (14x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.042 mW/g

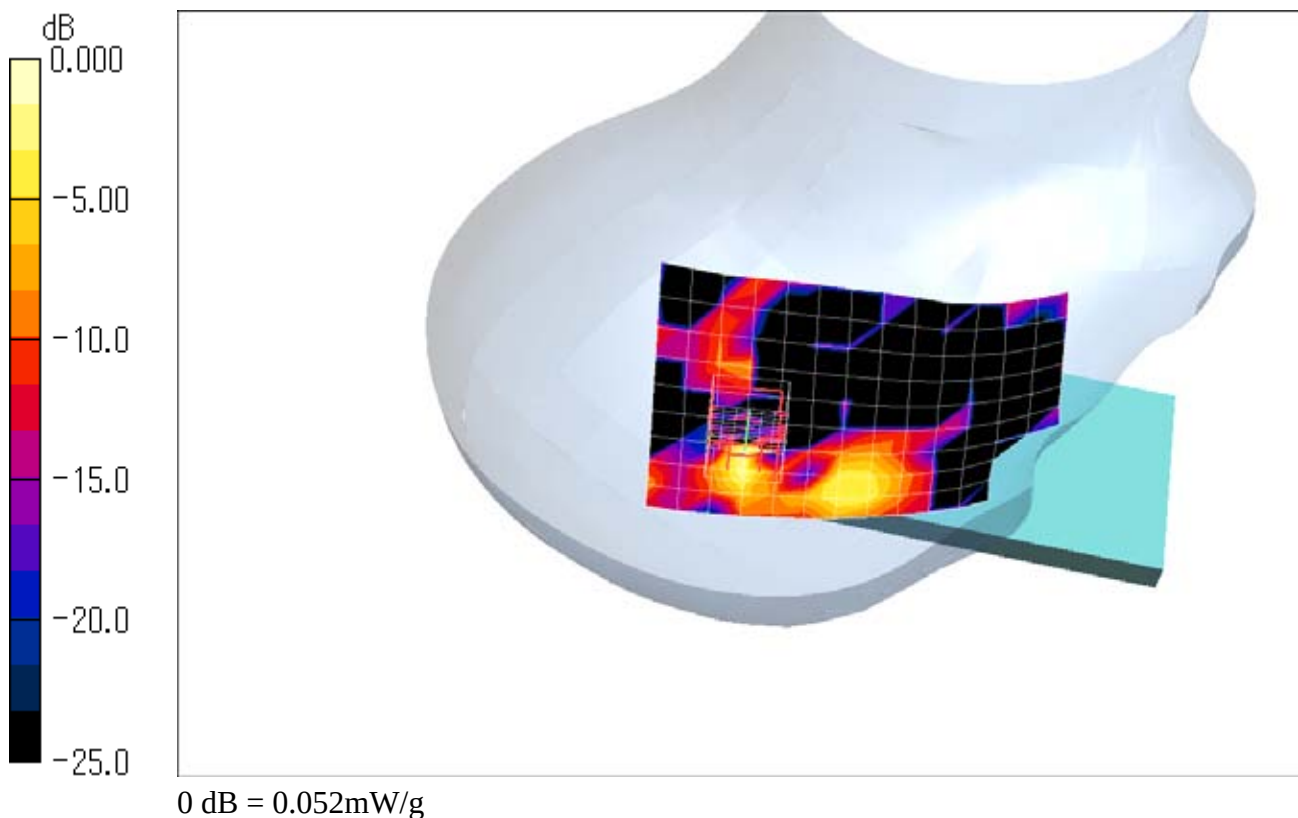
Ear/Tilt Position/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.19 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.00367 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 104ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium: MBL3500-5800 Medium parameters used: $f = 5520 \text{ MHz}$; $\sigma = 5.78 \text{ mho/m}$; $\epsilon_r = 48.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Front Side/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.059 mW/g

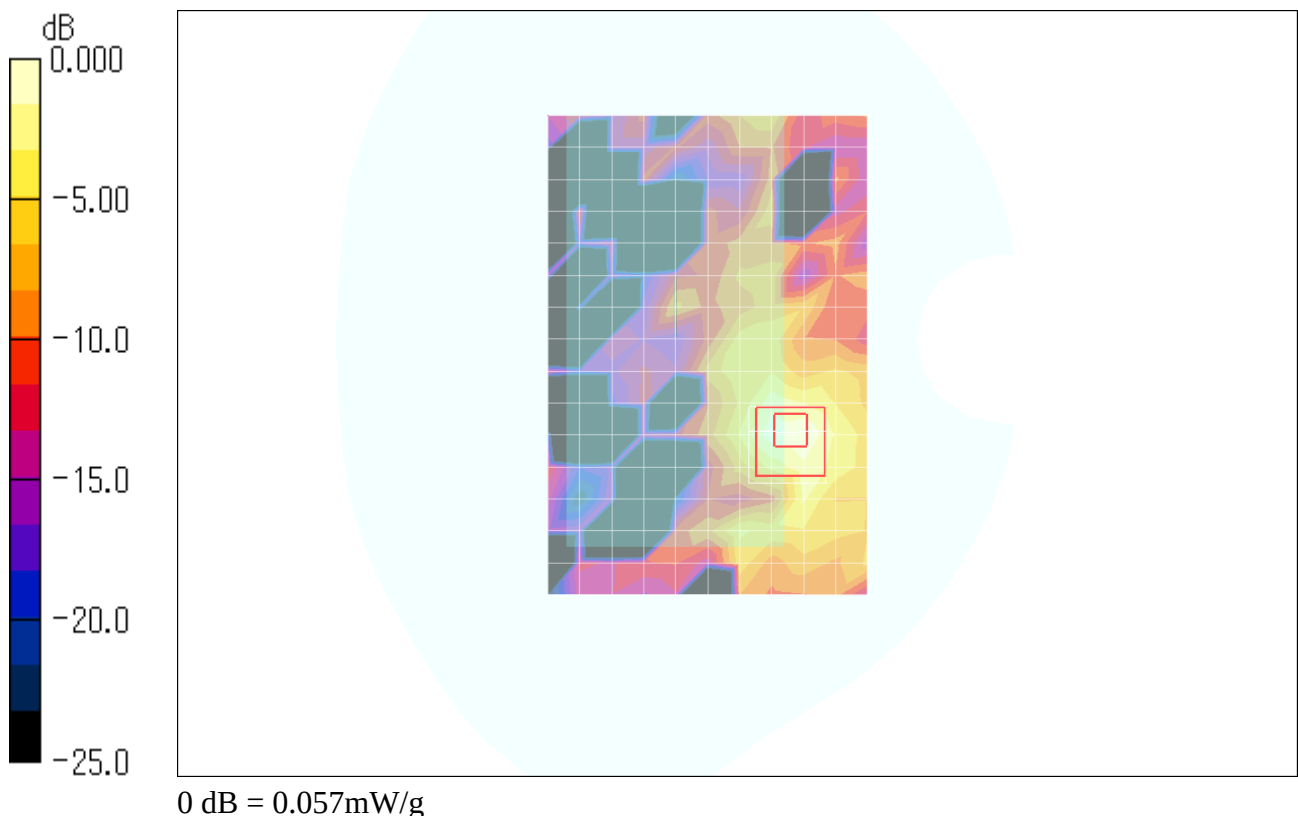
Front Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.01 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.00806 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 104ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium: MBL3500-5800 Medium parameters used: $f = 5520 \text{ MHz}$; $\sigma = 5.78 \text{ mho/m}$; $\epsilon_r = 48.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.358 mW/g

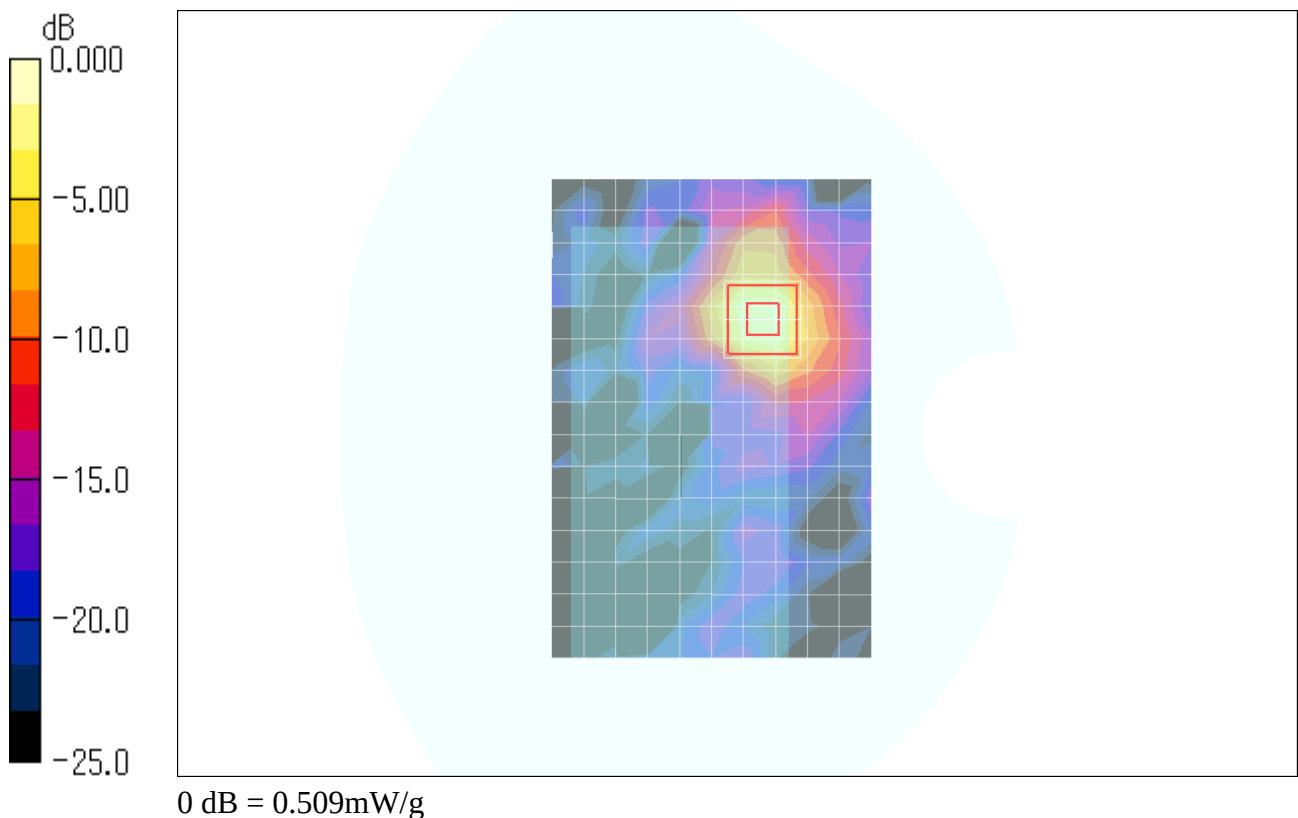
Rear Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.60 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.081 mW/g

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



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 116ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.86$ mho/m; $\epsilon_r = 48.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (11x16x1): Measurement grid: dx=10mm, dy=10mm

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

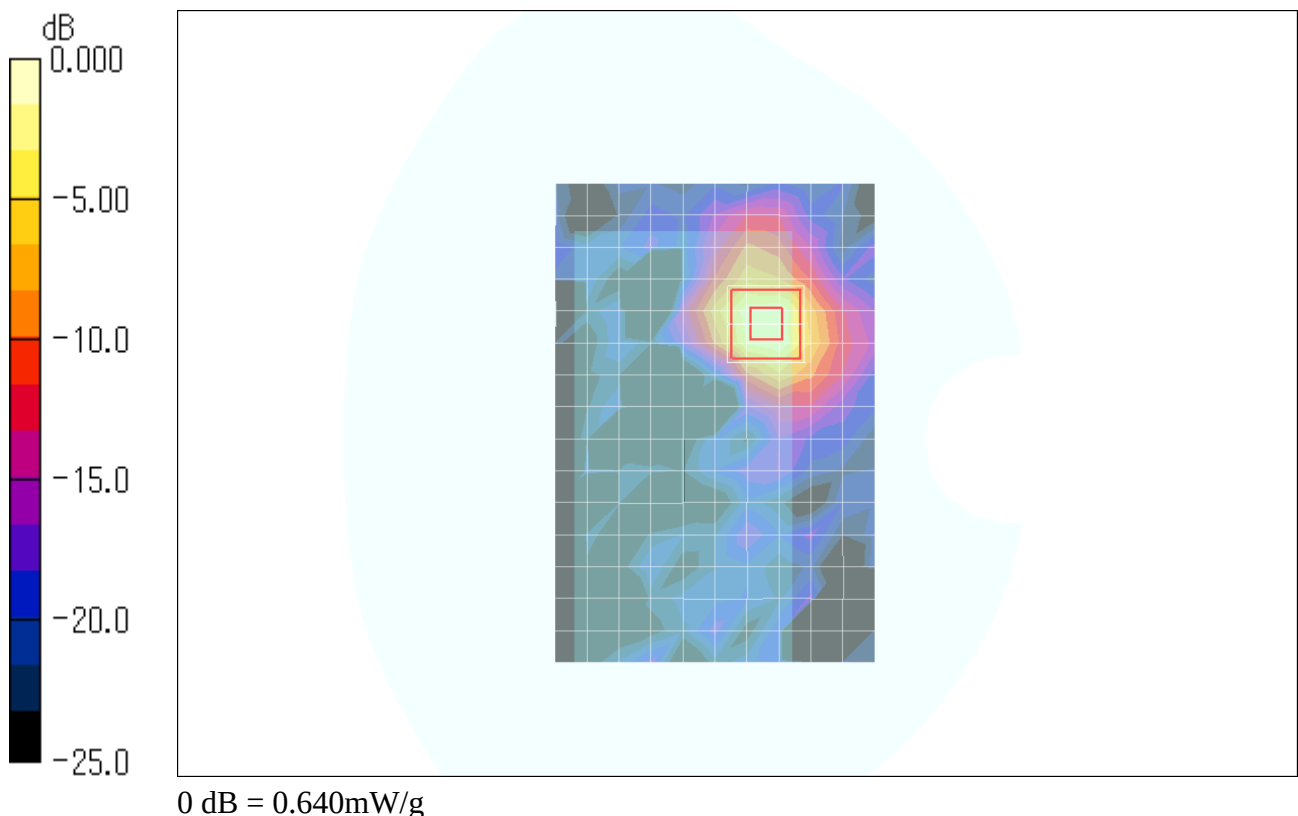
Rear Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.82 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.640 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 136ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5680$ MHz; $\sigma = 6$ mho/m; $\epsilon_r = 48.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side/Area Scan (11x16x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.562 mW/g

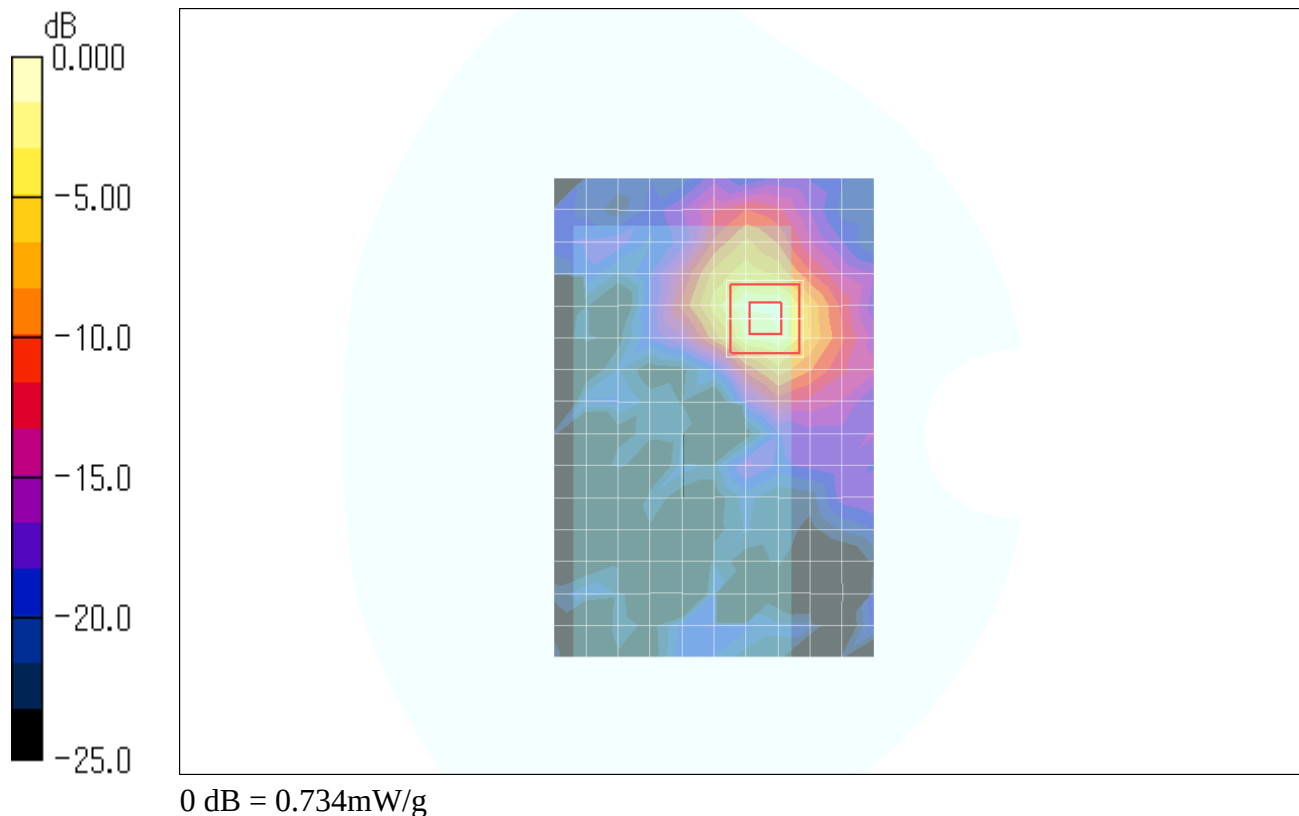
Rear Side/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.19 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.734 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body 136ch / 802.11a 6Mbps**DUT: Cellular Phone; Type: SH-02E; Serial: 004401114215334**

Communication System: WLAN 11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: MBBL3500-5800 Medium parameters used: $f = 5680$ MHz; $\sigma = 6$ mho/m; $\epsilon_r = 48.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/touch-pen/Area Scan (11x16x1): Measurement grid: dx=10mm, dy=10mm

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

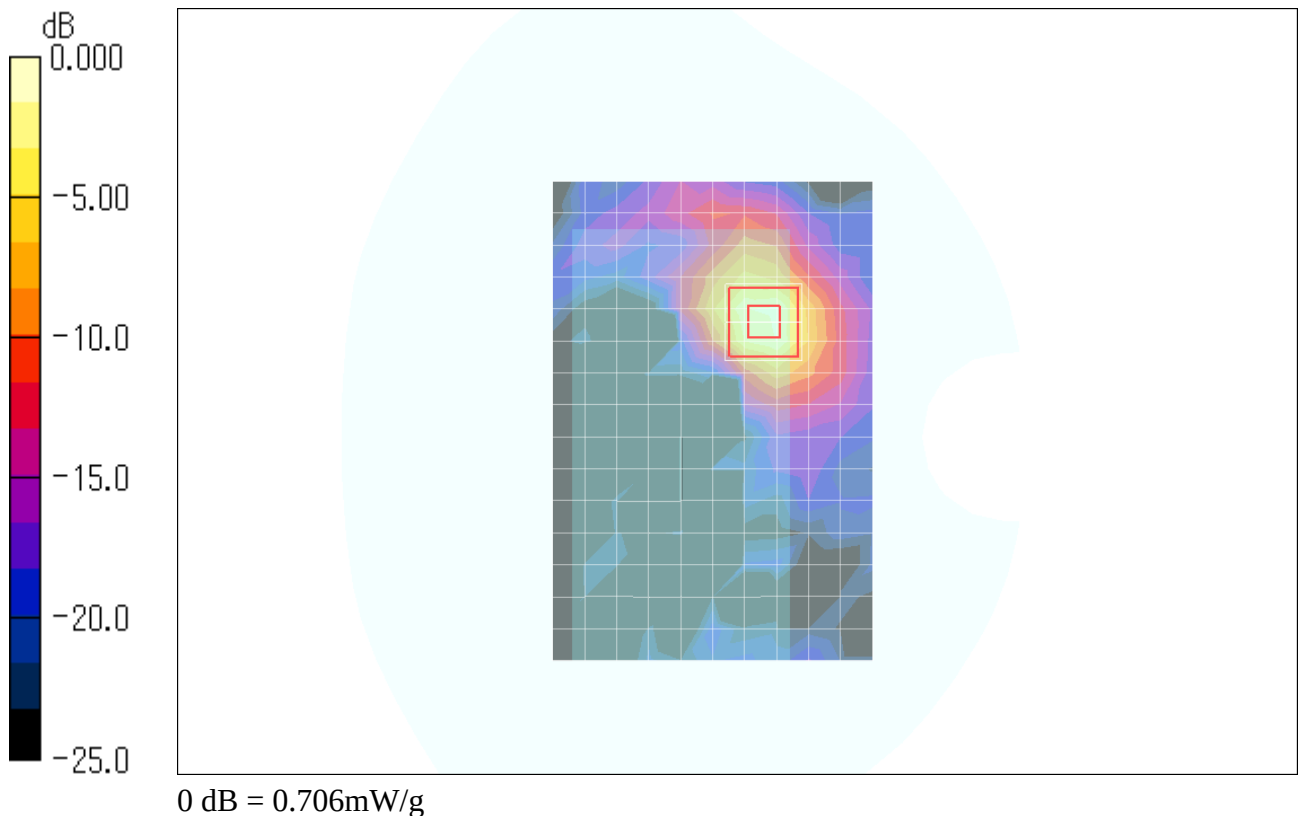
Rear Side w/touch-pen/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.12 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.706 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Area Scan (11x16x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.540 mW/g

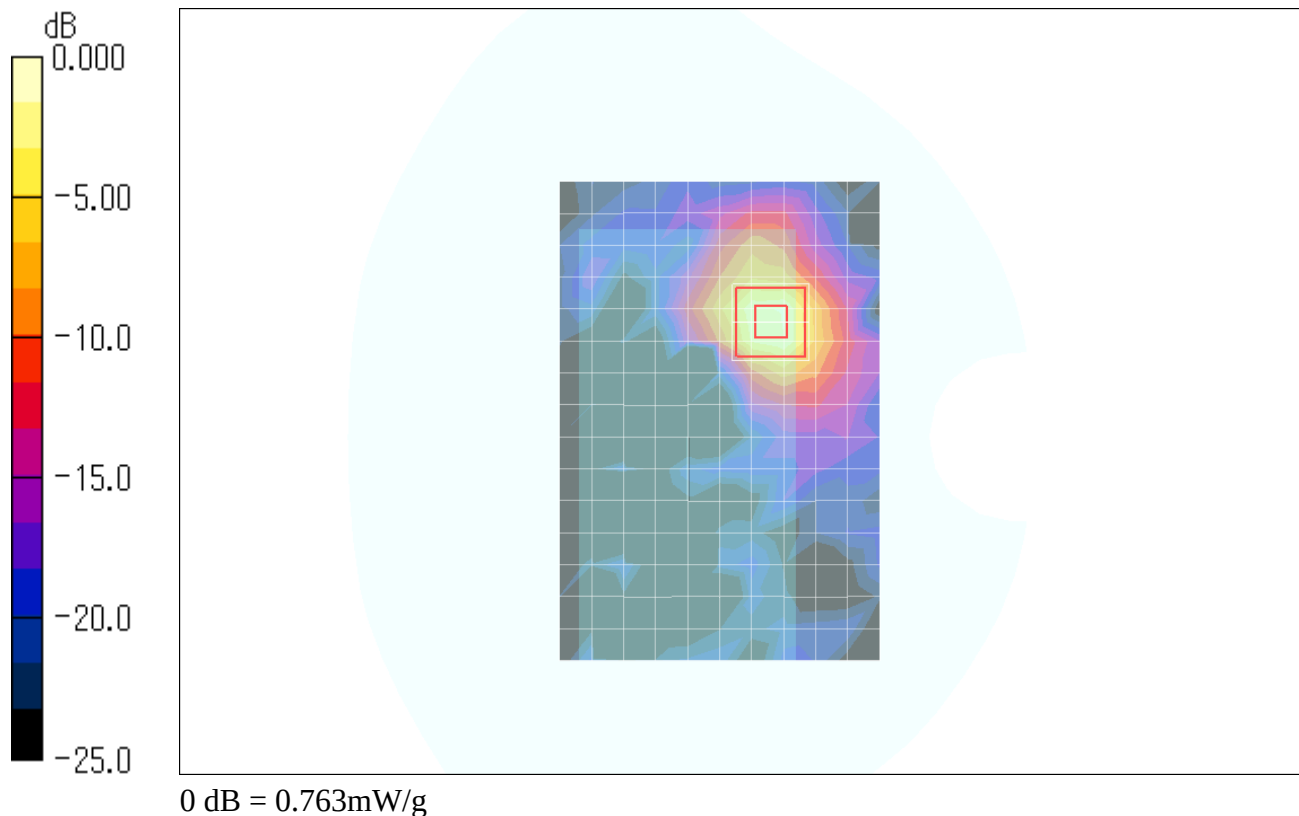
Rear Side w/headset/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 5.30 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.763 mW/g



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Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2011/11/14
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

Rear Side w/headset/Z Scan (1x1x45): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 0.771 mW/g