JQA

Attachment 1 – System Validation Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Head 835 MHz)

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 MHz; σ = 0.886 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171
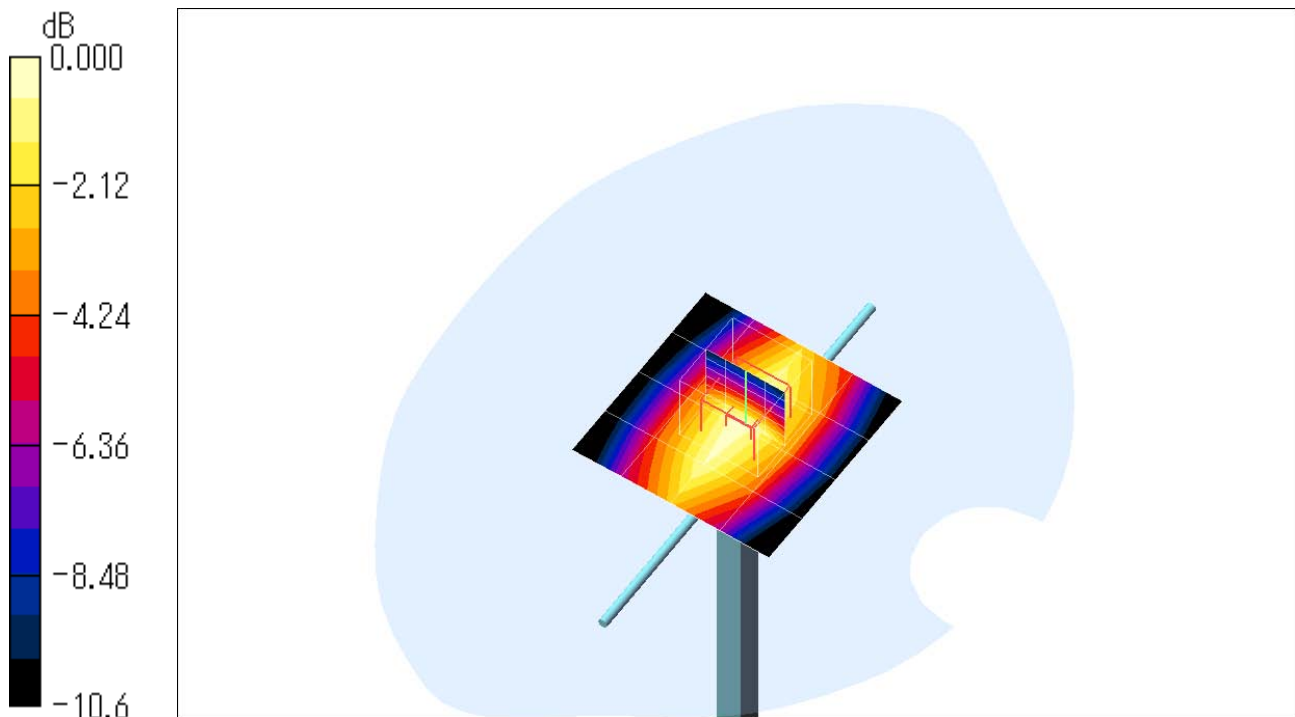
Antenna Input Power 250 mW/Area Scan (5x5x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 2.82 mW/g

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

Reference Value = 58.5 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.72 mW/g

0 dB = 2.82mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Body 835 MHz)

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

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

Medium: M900 Medium parameters used: f = 835 MHz; σ = 0.941 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Antenna Input Power 250 mW/Area Scan (5x5x1): Measurement grid: dx=20mm, dy=20mm
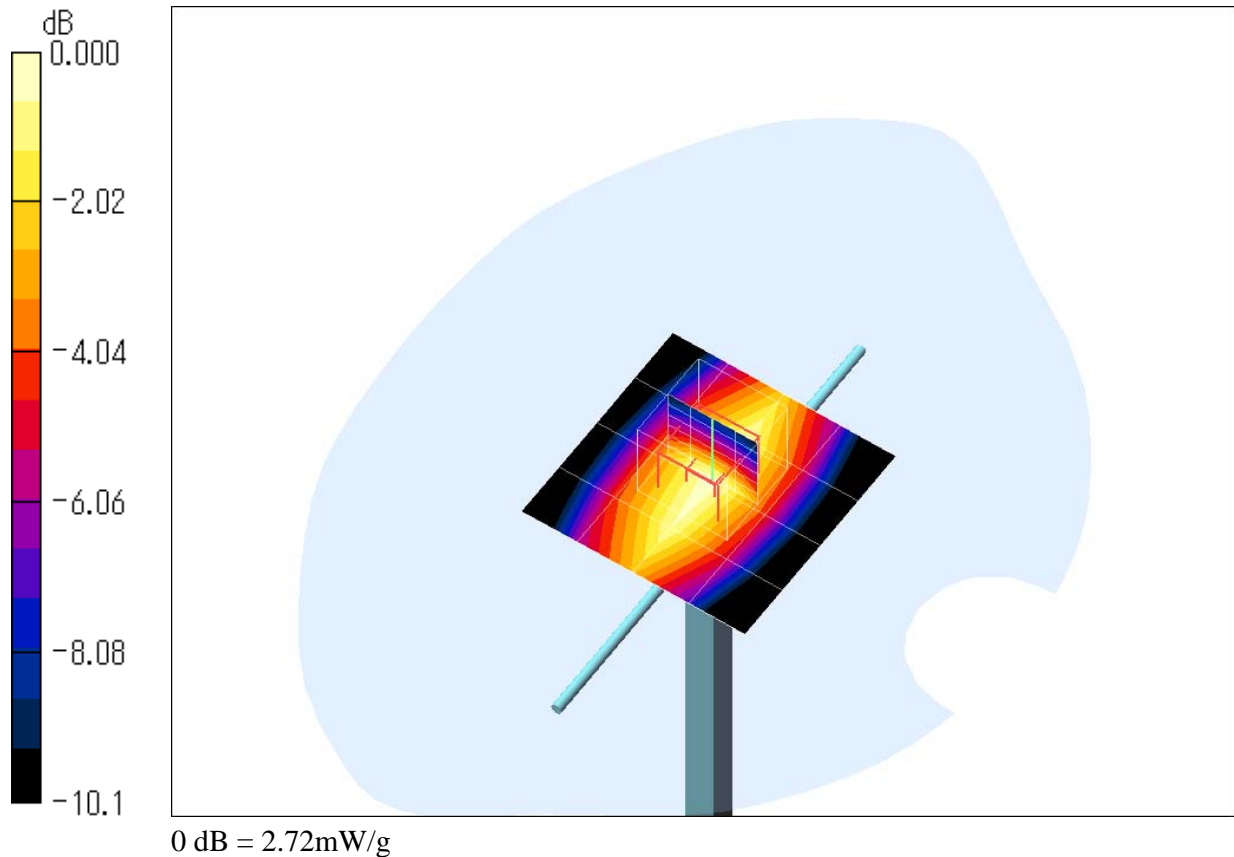Maximum value of SAR (measured) = 2.70 mW/g

Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.6 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.66 mW/g
Maximum value of SAR (measured) = 2.72 mW/g

0 dB = 2.72mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Head 1900 MHz)

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

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

Medium: HSL1900 Medium parameters used: f = 1900 MHz; σ = 1.45 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.31, 5.31, 5.31); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

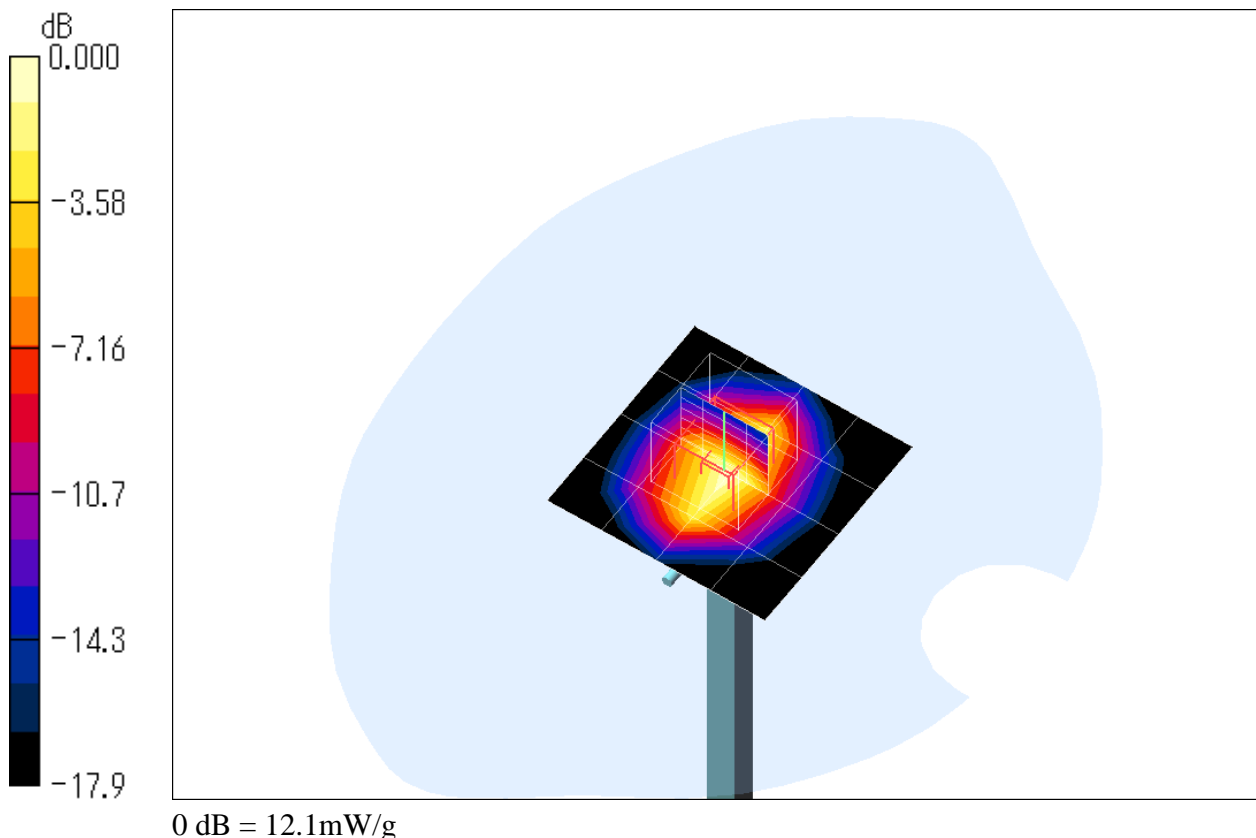## Antenna Input Power 250 mW/Area Scan (5x5x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (measured) = 12.1 mW/g

Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 96.6 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 5.63 mW/g

0 dB = 12.1mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

System Validation (Body 1900 MHz)

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

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

Medium: M1900 Medium parameters used: f = 1900 MHz; σ = 1.56 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.86, 4.86, 4.86); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

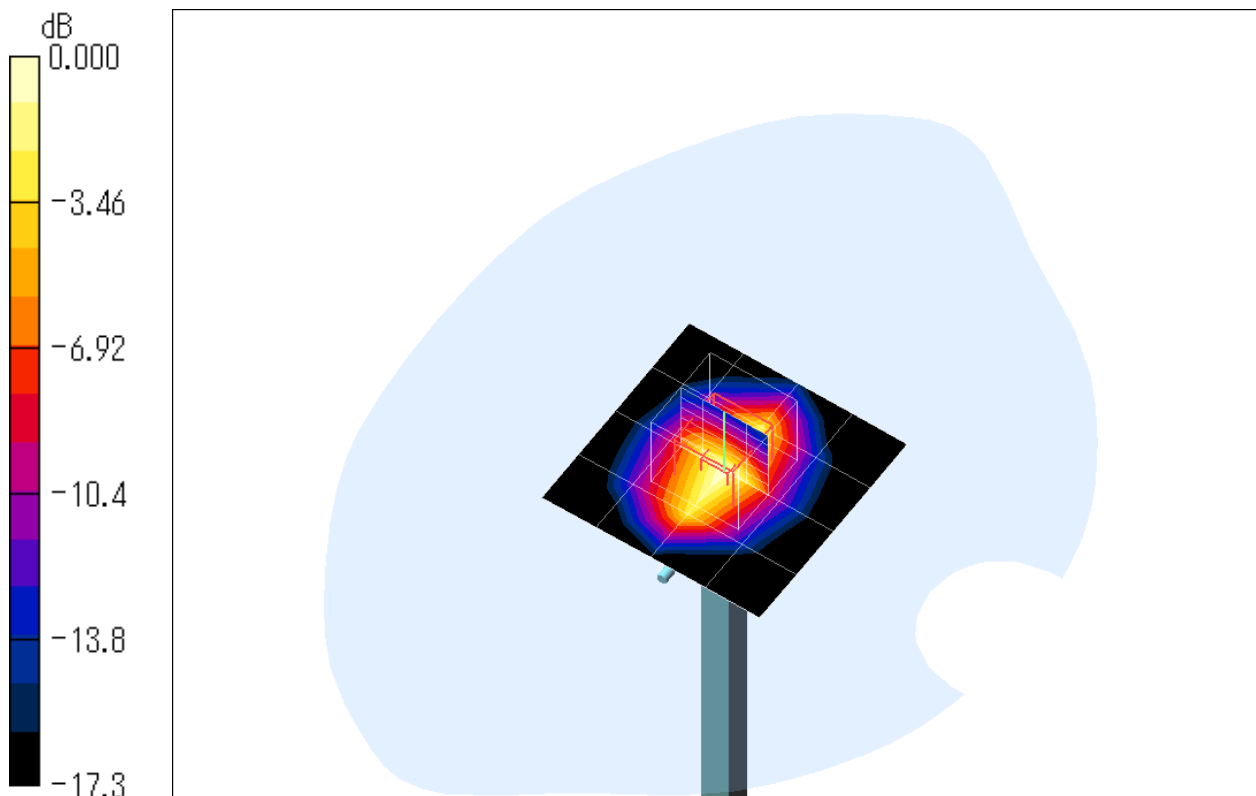# Antenna Input Power 250 mW/Area Scan (5x5x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (measured) = 12.2 mW/g

Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 93.7 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 19.3 W/kg
SAR(1 g) = 10.8 mW/g; SAR(10 g) = 5.66 mW/g

0 dB = 12.2mW/g

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

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 4132ch (826.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL900 Medium parameters used: f = 826.4 MHz; σ = 0.876 mho/m; ε_r = 41.5; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm
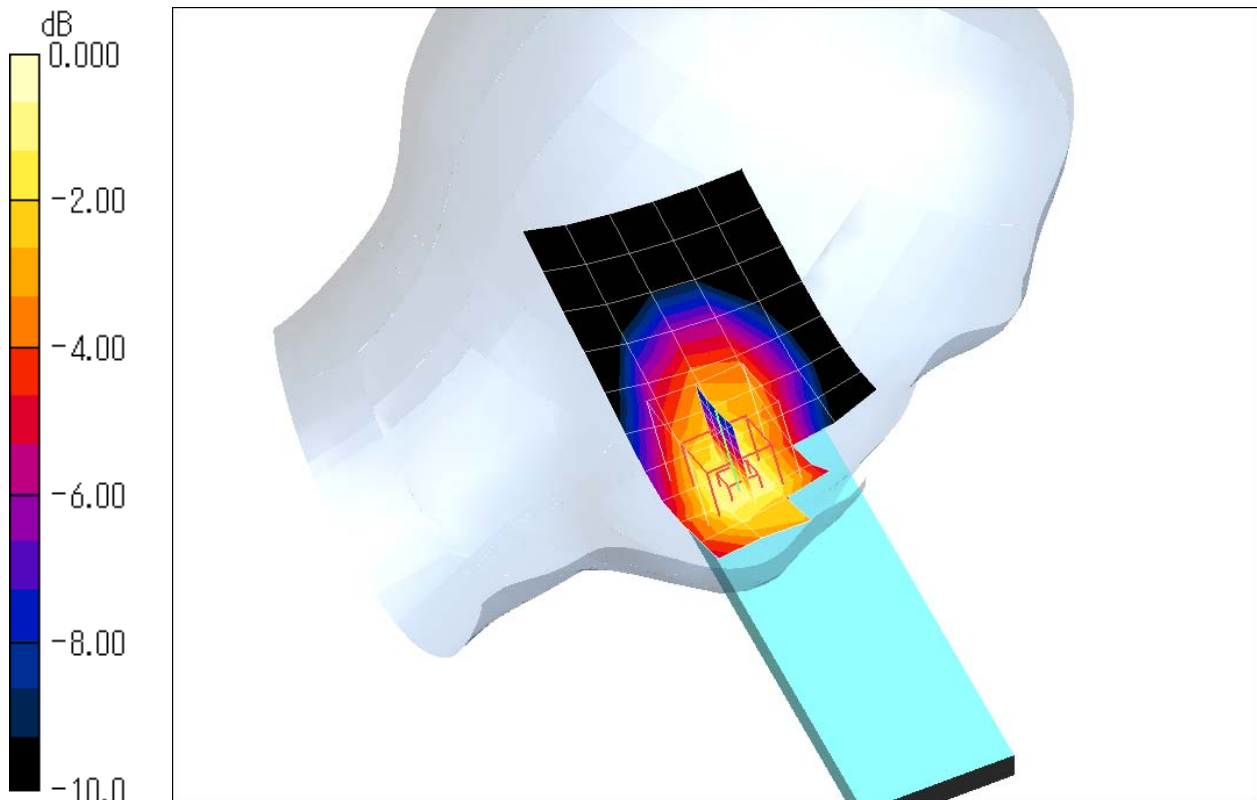Maximum value of SAR (measured) = 0.428 mW/g

Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.8 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 0.708 W/kg
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.310 mW/g
Maximum value of SAR (measured) = 0.511 mW/g

0 dB = 0.511mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 4182ch (836.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium: HSL900 Medium parameters used: f = 836.4 MHz; σ = 0.886 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm
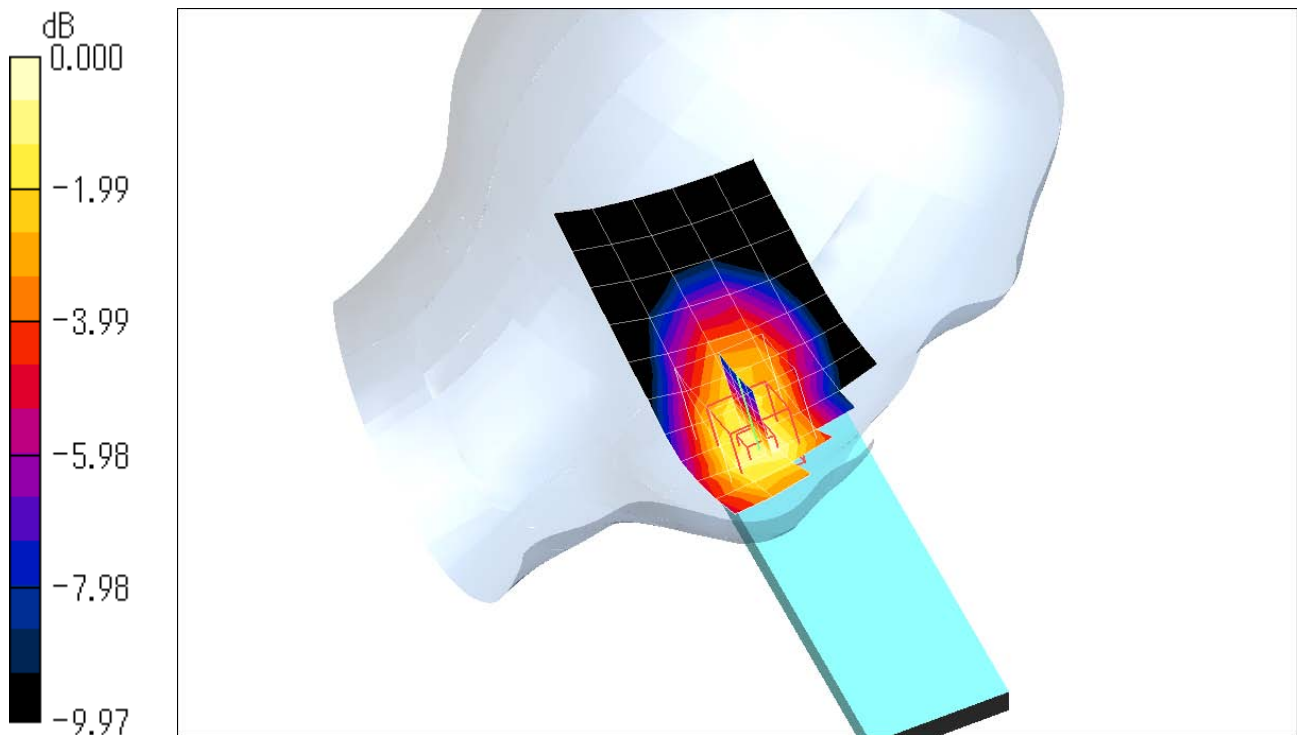Maximum value of SAR (measured) = 0.471 mW/g

Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.3 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.720 W/kg
SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 0.523 mW/g

0 dB = 0.523mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 4233ch (846.6MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

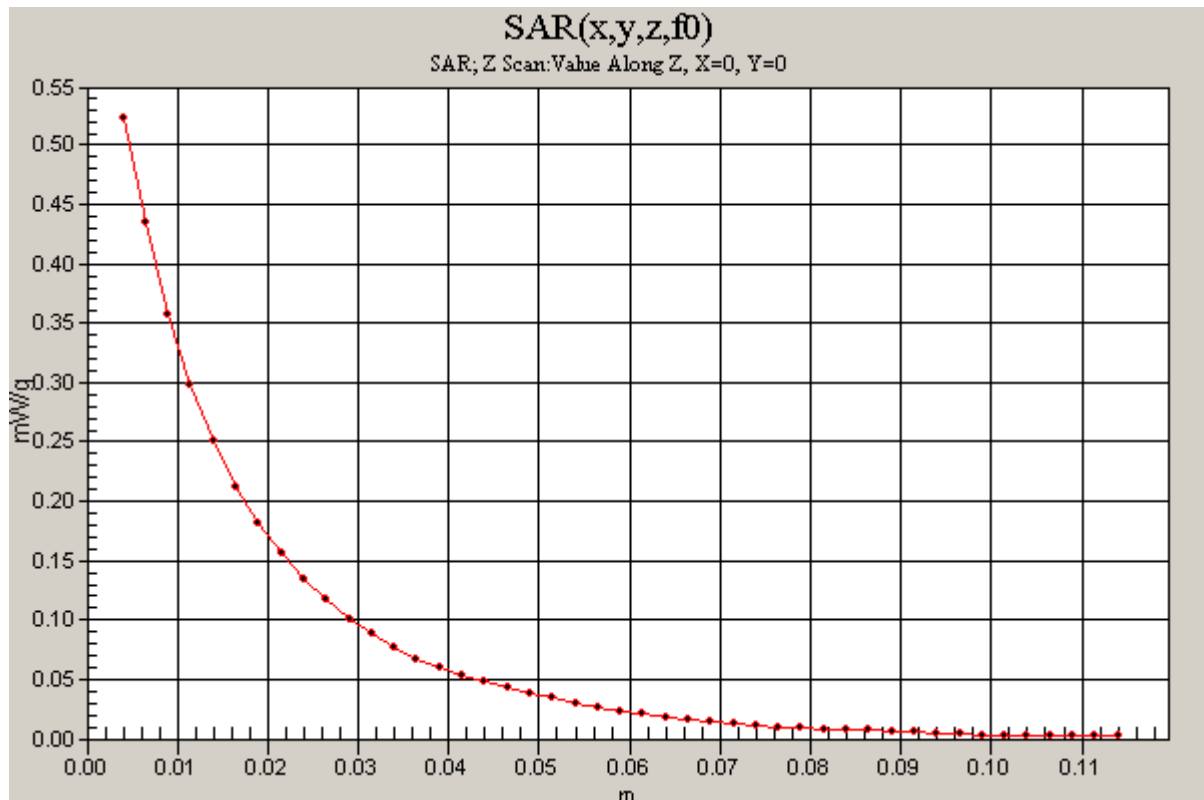Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: f = 836.4 MHz; σ = 0.886 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (measured) = 0.523 mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 4233ch (846.6MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL900 Medium parameters used: f = 846.6 MHz; σ = 0.896 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm
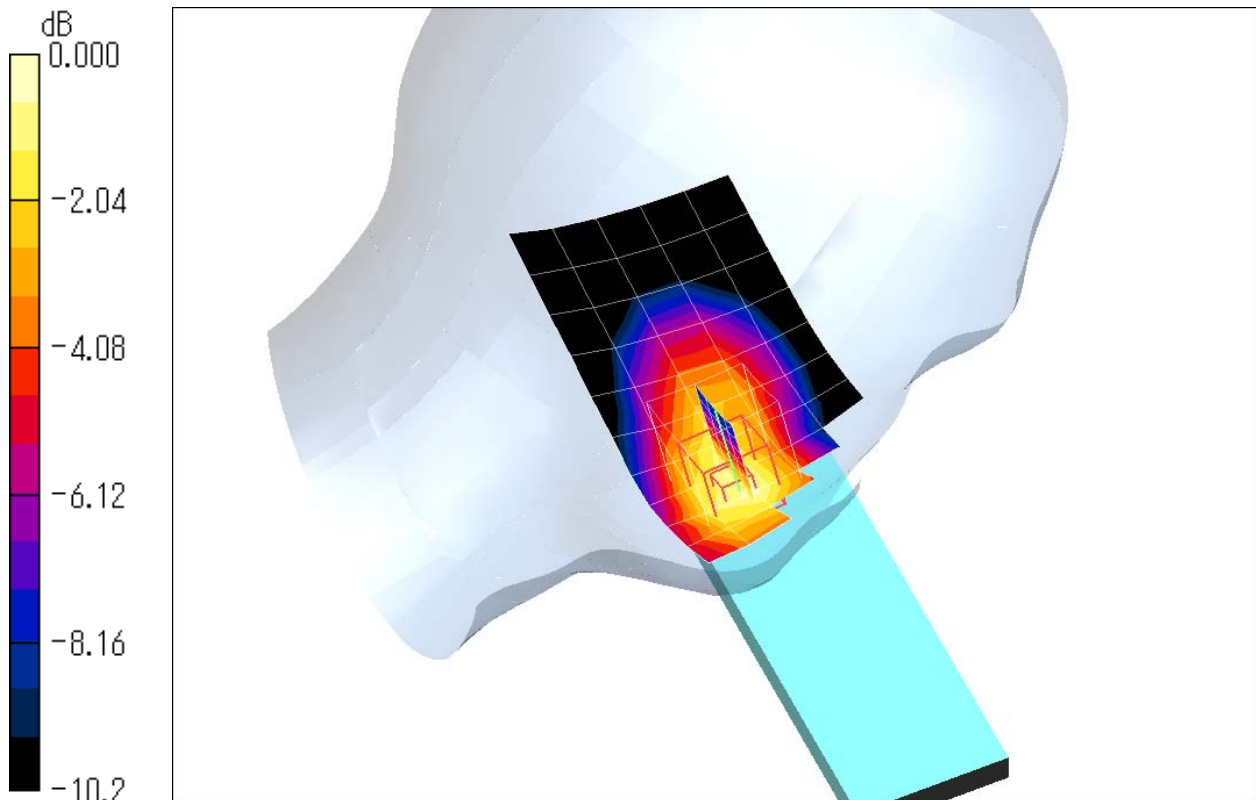Maximum value of SAR (measured) = 0.327 mW/g

Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.3 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 0.492 W/kg
SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.352 mW/g

0 dB = 0.352mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Ear/Tilt 4182ch (836.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

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

Medium: HSL900 Medium parameters used: f = 836.4 MHz; σ = 0.886 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3

Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm

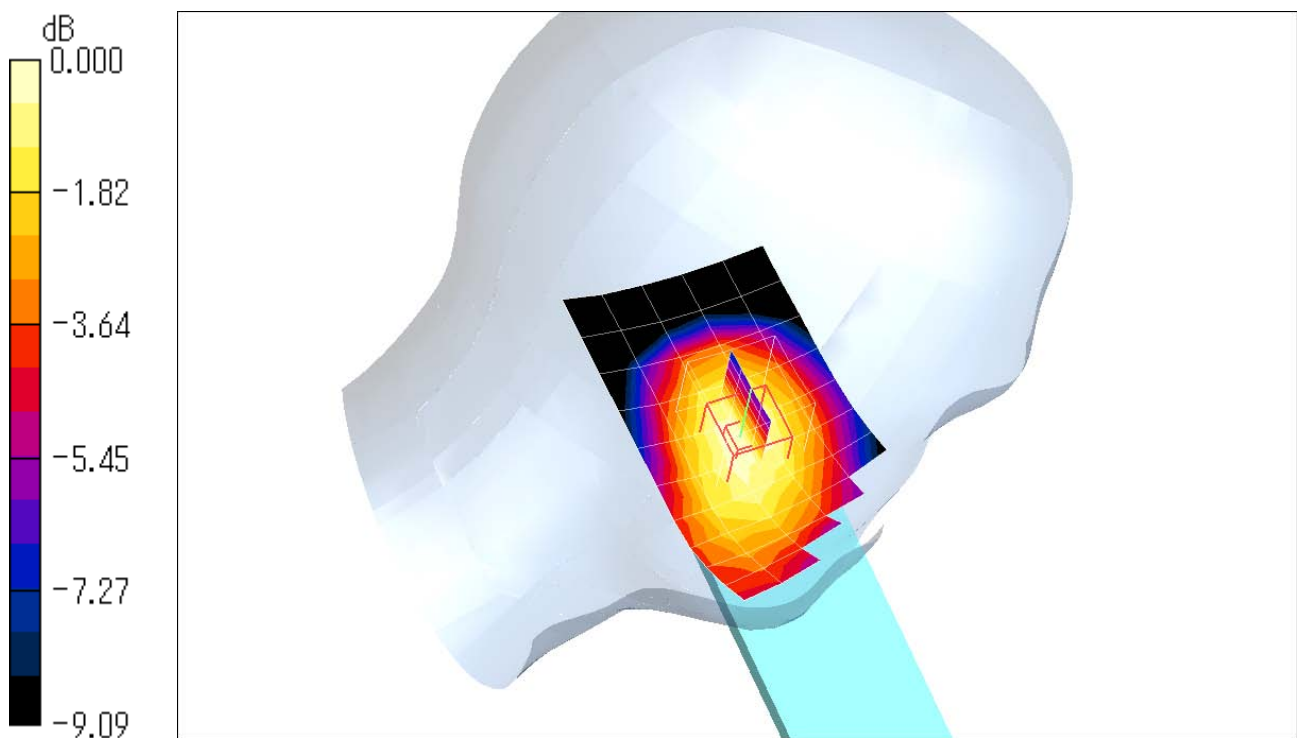Maximum value of SAR (measured) = 0.185 mW/g

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

Reference Value = 14.9 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.196 mW/g

0 dB = 0.196mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head, Cheek/Touch 4182ch (836.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

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

Medium: HSL900 Medium parameters used: f = 836.4 MHz; σ = 0.886 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm

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

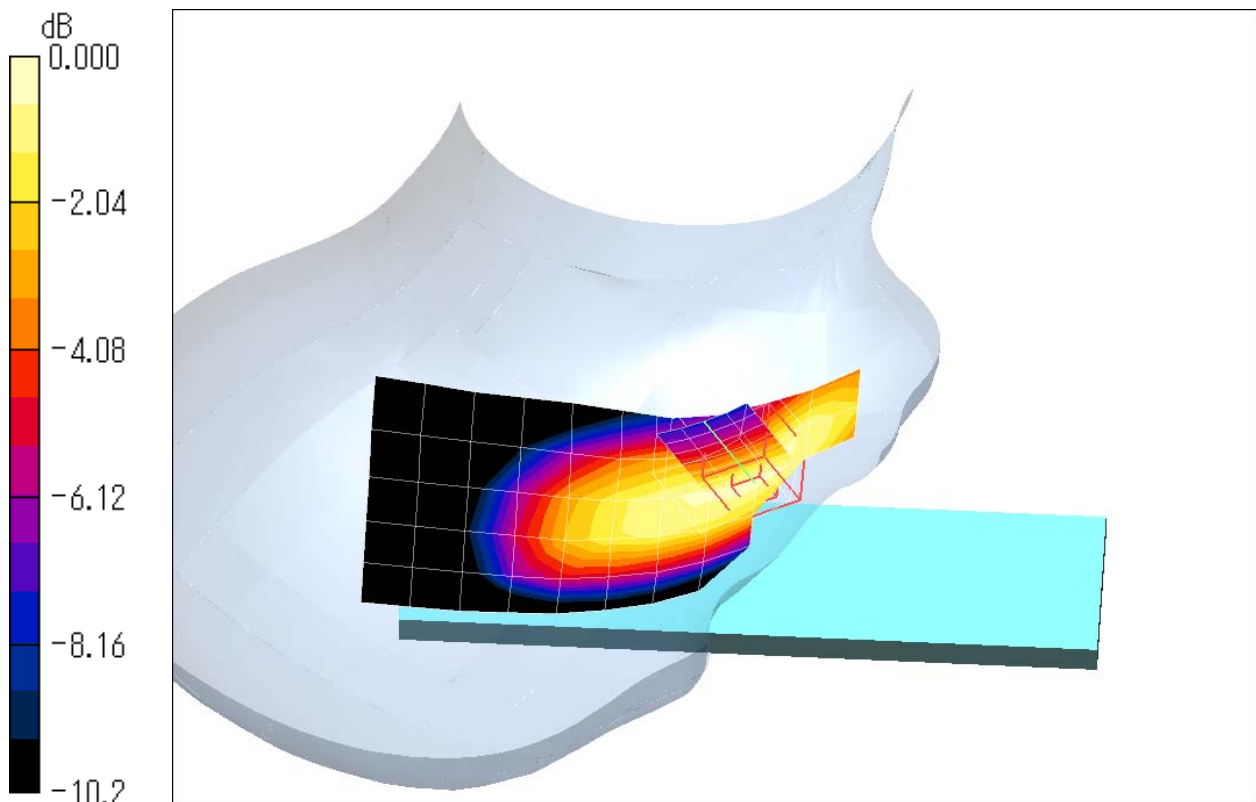## Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 0.651 W/kg

SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.310 mW/g

Maximum value of SAR (measured) = 0.491 mW/g

0 dB = 0.491mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head, Ear/Tilt 4182ch (836.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL900 Medium parameters used: f = 836.4 MHz; σ = 0.886 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm
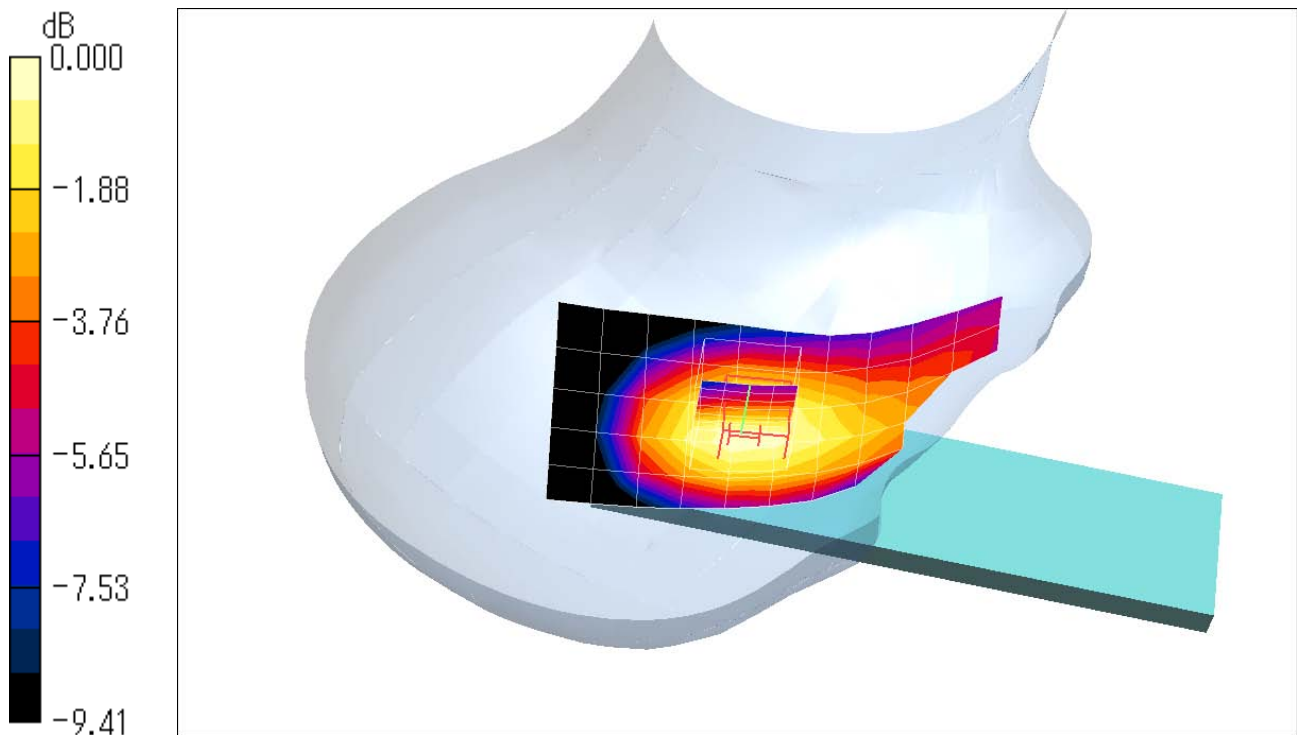Maximum value of SAR (measured) = 0.206 mW/g

Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.2 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.150 mW/g
Maximum value of SAR (measured) = 0.215 mW/g

0 dB = 0.215mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 4132ch (826.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

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

Medium: M900 Medium parameters used: f = 826.4 MHz; σ = 0.93 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

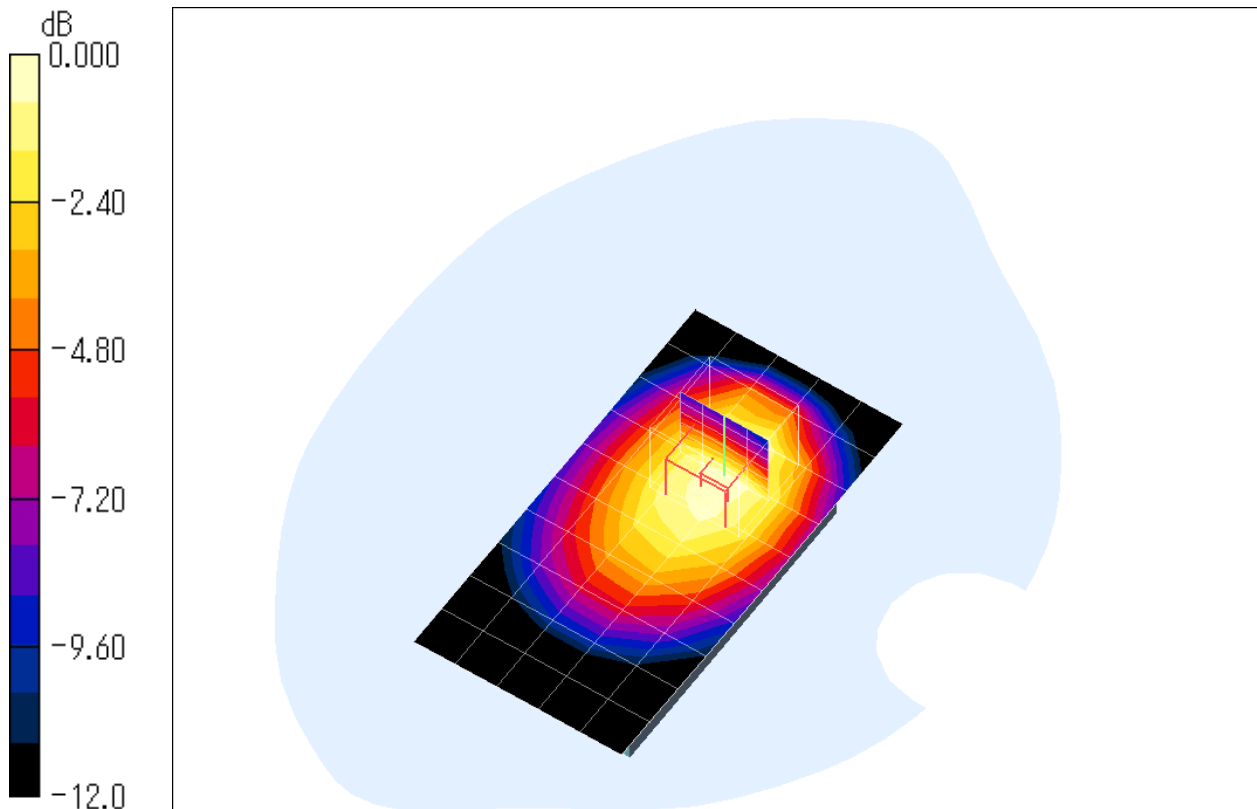Maximum value of SAR (measured) = 0.621 mW/g

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

Reference Value = 24.8 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.402 mW/g

Maximum value of SAR (measured) = 0.618 mW/g

0 dB = 0.618mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 4132ch (826.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: M900 Medium parameters used: f = 826.4 MHz; σ = 0.93 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
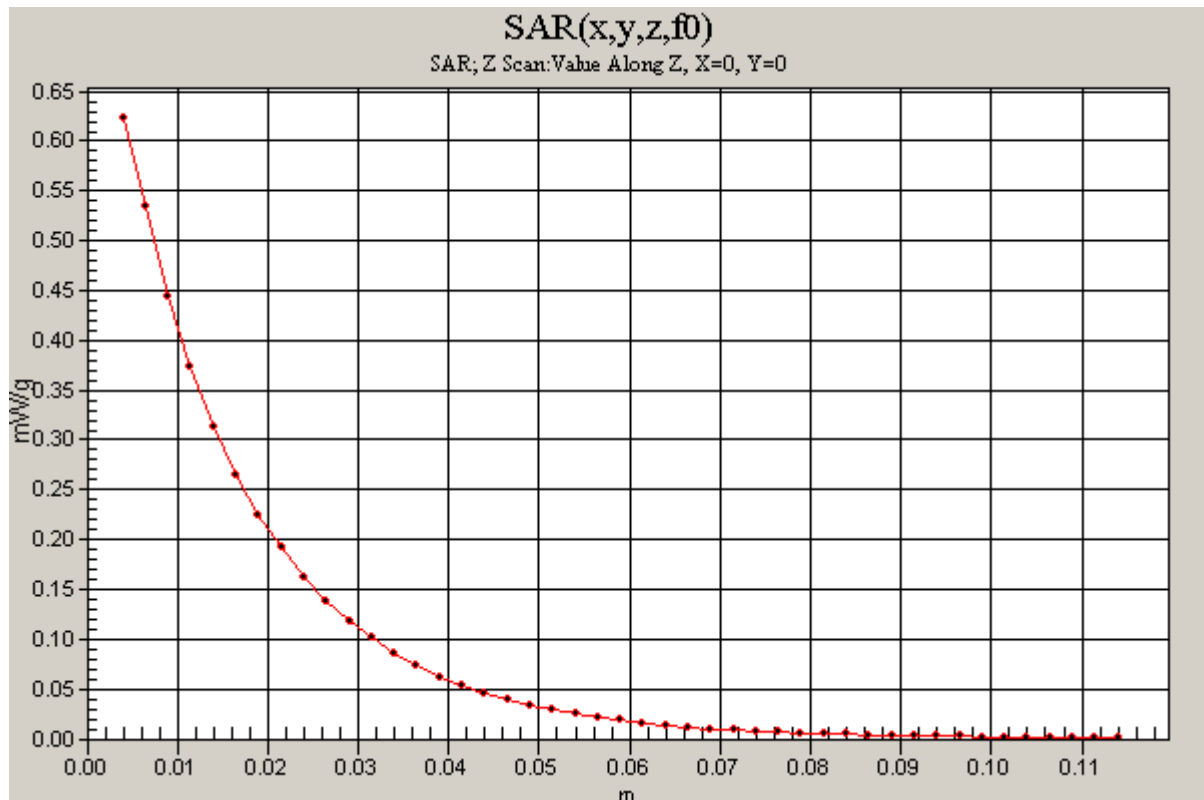
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Z Scan (1x1x45): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 0.623 mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 4182ch (836.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium: M900 Medium parameters used: f = 836.4 MHz; σ = 0.941 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.527 mW/g

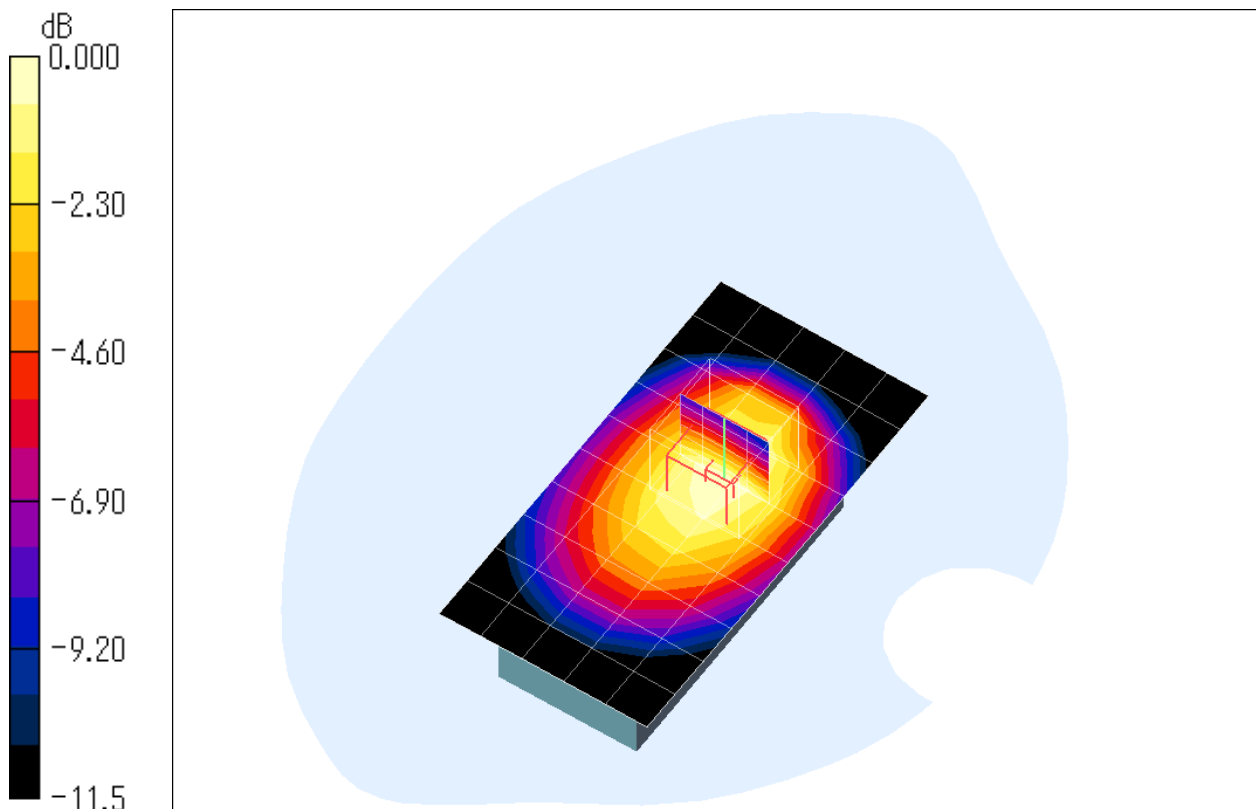**Body-worn/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.2 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.682 W/kg
SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.345 mW/g
Maximum value of SAR (measured) = 0.528 mW/g

0 dB = 0.528mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 4233ch (846.6MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: M900 Medium parameters used: f = 846.6 MHz; σ = 0.951 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
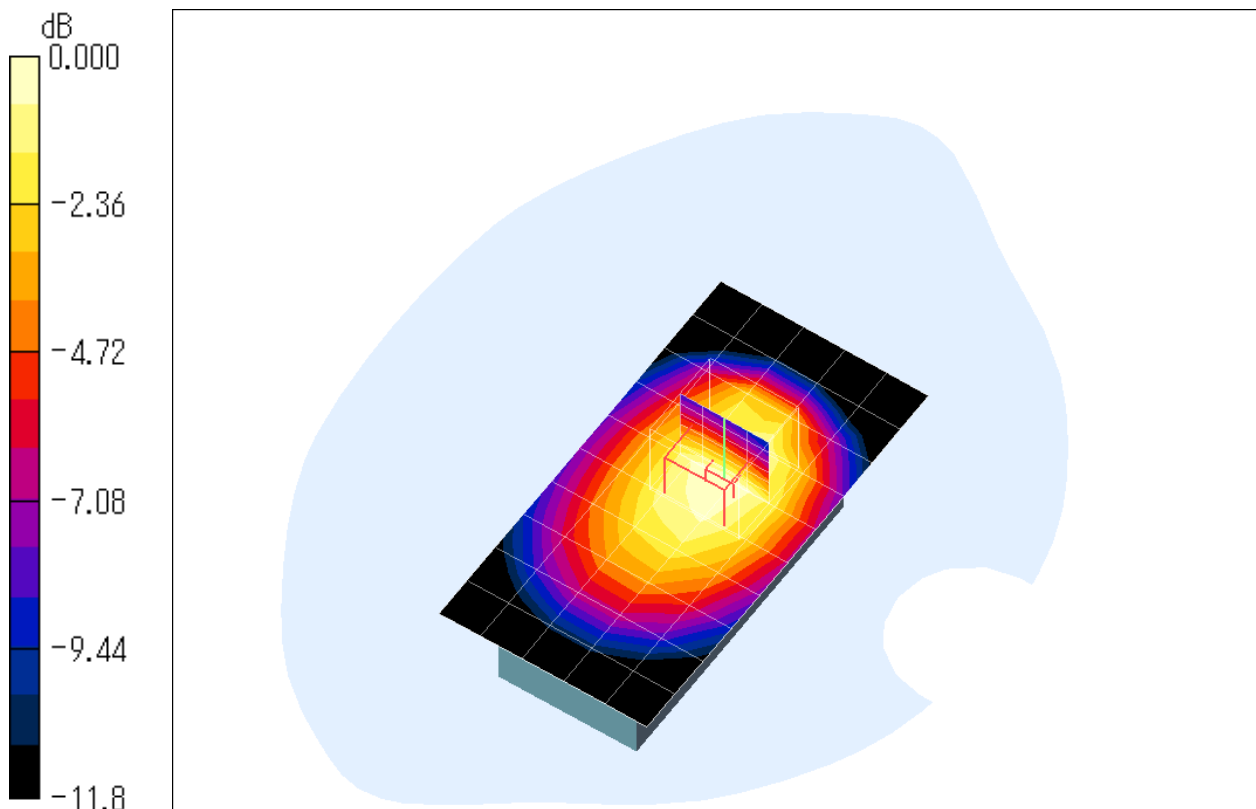Maximum value of SAR (measured) = 0.365 mW/g

Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.2 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.477 W/kg
SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.236 mW/g
Maximum value of SAR (measured) = 0.361 mW/g

0 dB = 0.361mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Front 4182ch (836.4MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: M900 Medium parameters used: f = 836.4 MHz; σ = 0.941 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
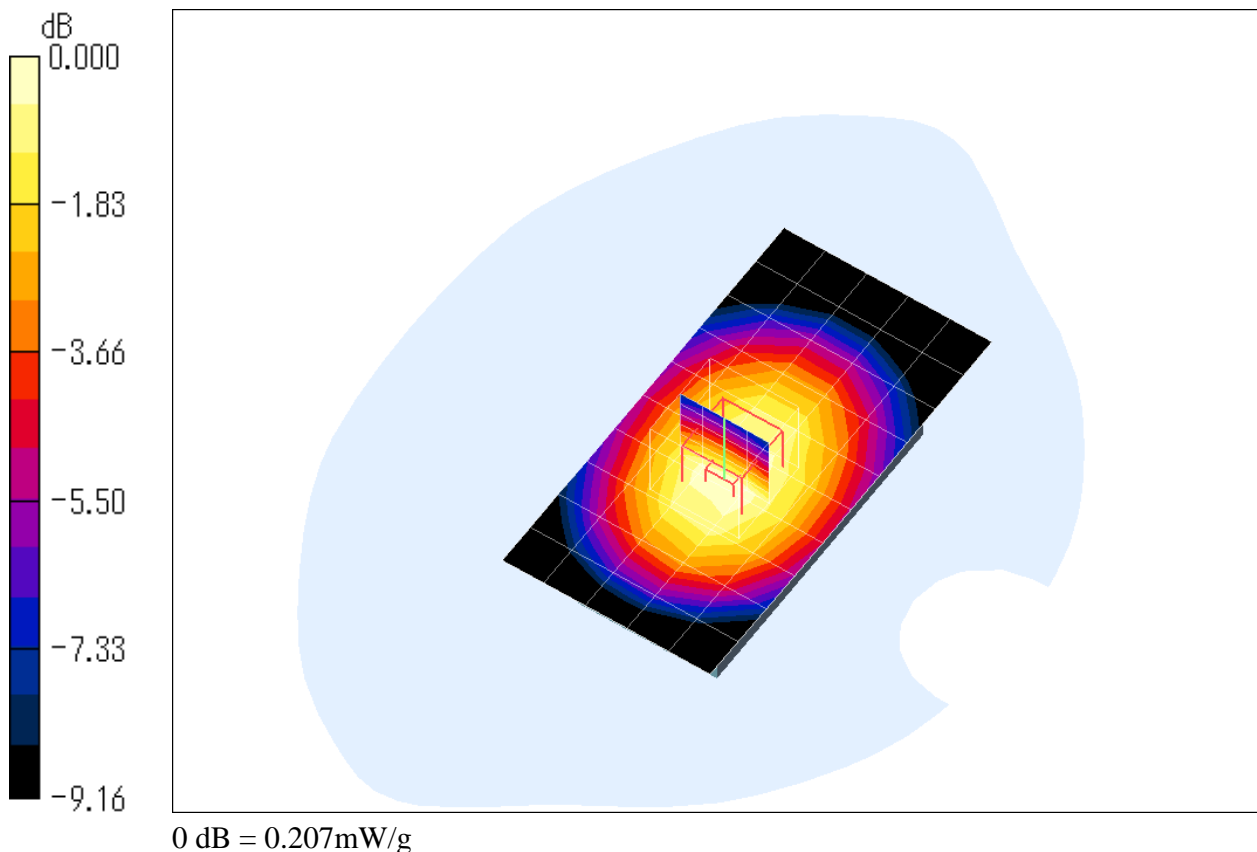Maximum value of SAR (measured) = 0.198 mW/g

Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 0.245 W/kg
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.207 mW/g

0 dB = 0.207mW/g

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

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 512ch (1850.2MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.31, 5.31, 5.31); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm
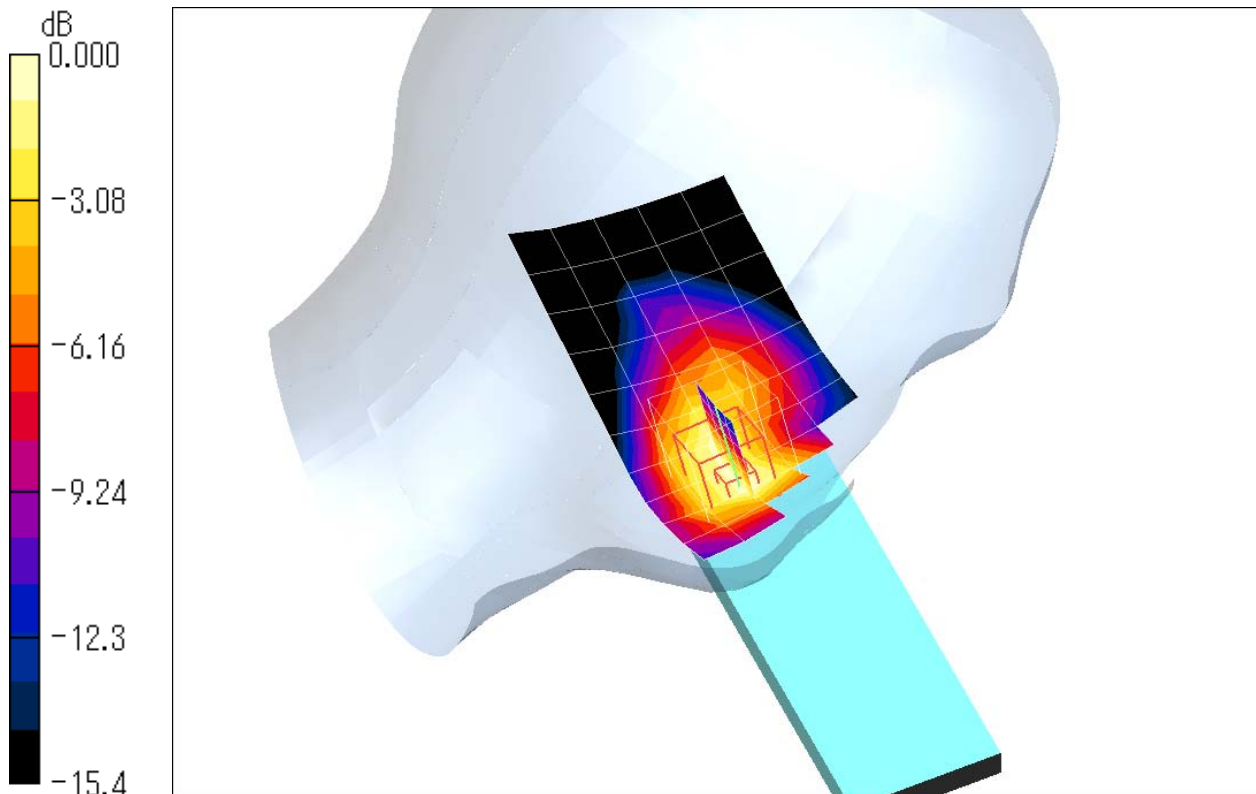Maximum value of SAR (measured) = 0.484 mW/g

Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.700 W/kg

SAR(1 g) = 0.468 mW/g; SAR(10 g) = 0.279 mW/g

Maximum value of SAR (measured) = 0.516 mW/g

0 dB = 0.516mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 512ch (1850.2MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
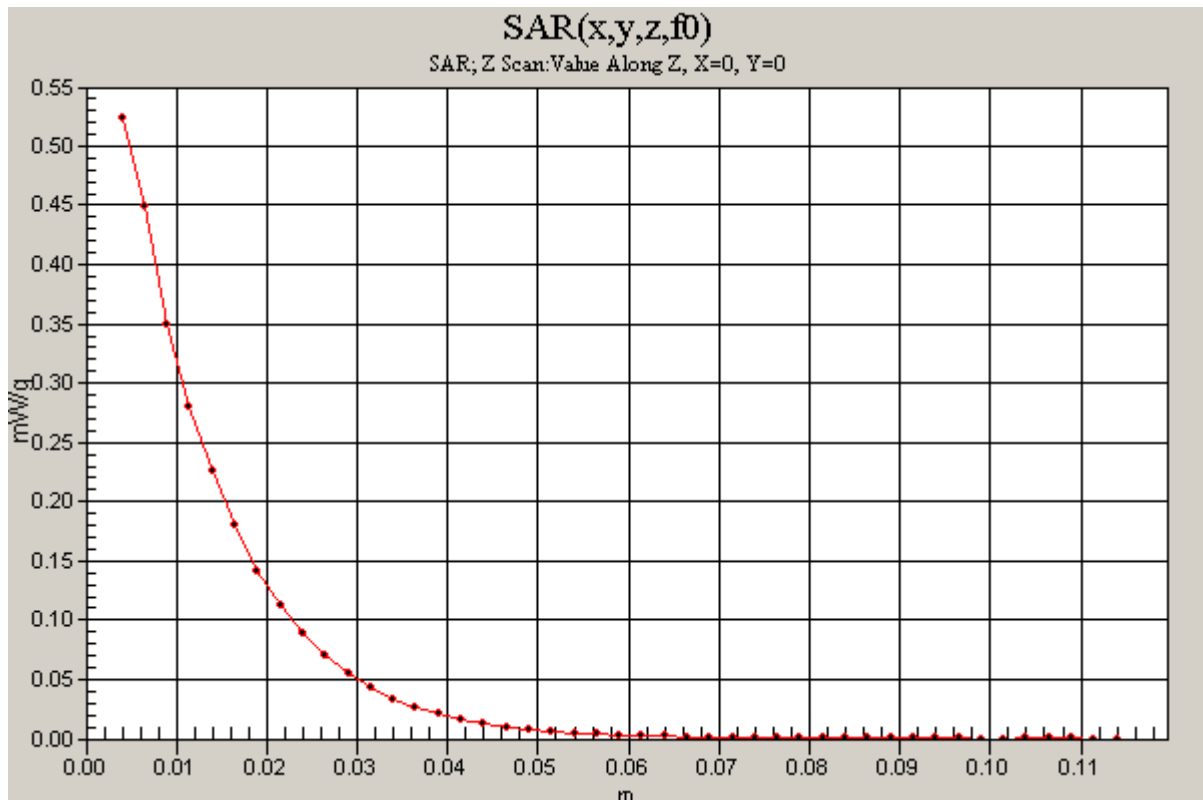
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.31, 5.31, 5.31); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Z Scan (1x1x45): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 0.524 mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 661ch (1880.0MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.43 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.31, 5.31, 5.31); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm

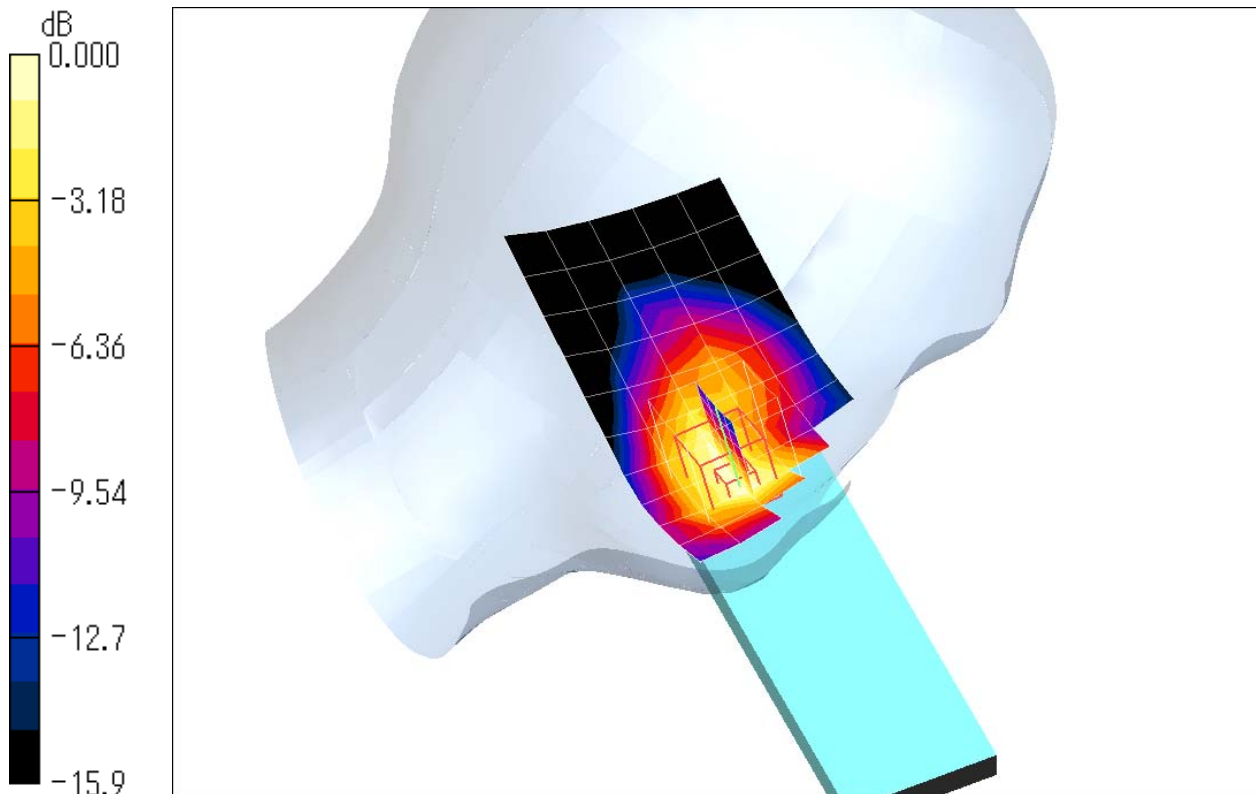Maximum value of SAR (measured) = 0.460 mW/g

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

Reference Value = 14.3 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.683 W/kg

SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.492 mW/g

0 dB = 0.492mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 810ch (1909.8MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.46 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.31, 5.31, 5.31); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm
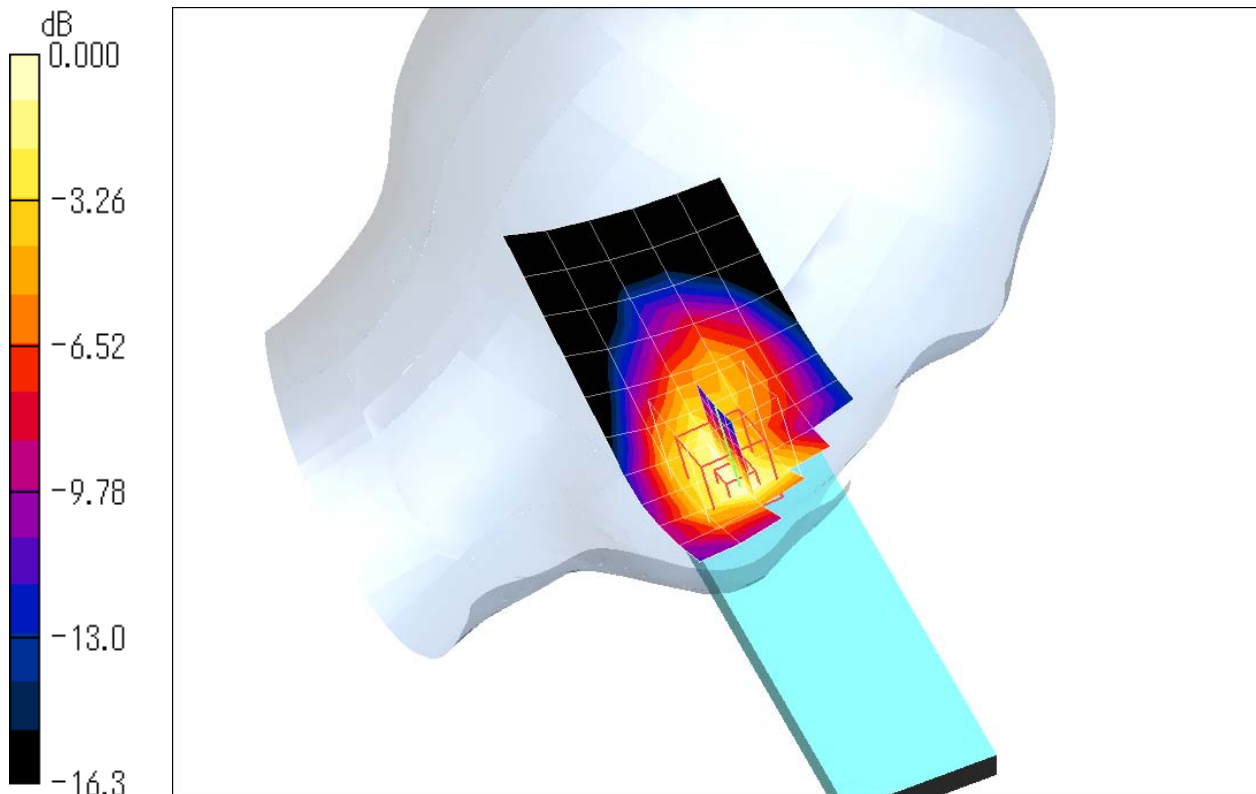Maximum value of SAR (measured) = 0.432 mW/g

Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.2 V/m; Power Drift = -0.008 dB
Peak SAR (extrapolated) = 0.630 W/kg
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.240 mW/g
Maximum value of SAR (measured) = 0.457 mW/g

0 dB = 0.457mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Ear/Tilt 661ch (1880.0MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.43 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.31, 5.31, 5.31); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm
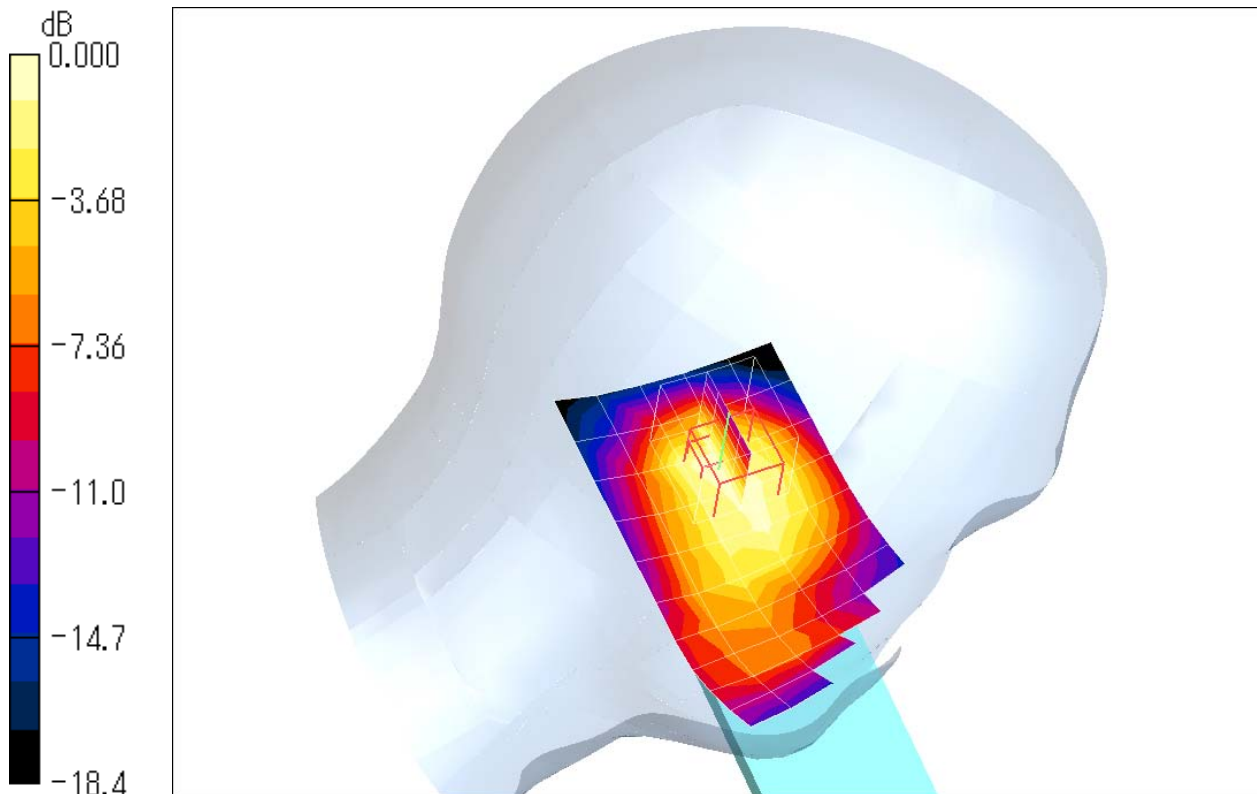
Maximum value of SAR (measured) = 0.211 mW/g

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

Reference Value = 12.9 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.131 mW/g

Maximum value of SAR (measured) = 0.224 mW/g

0 dB = 0.224mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head, Cheek/Touch 661ch (1880.0MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.43 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.31, 5.31, 5.31); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm

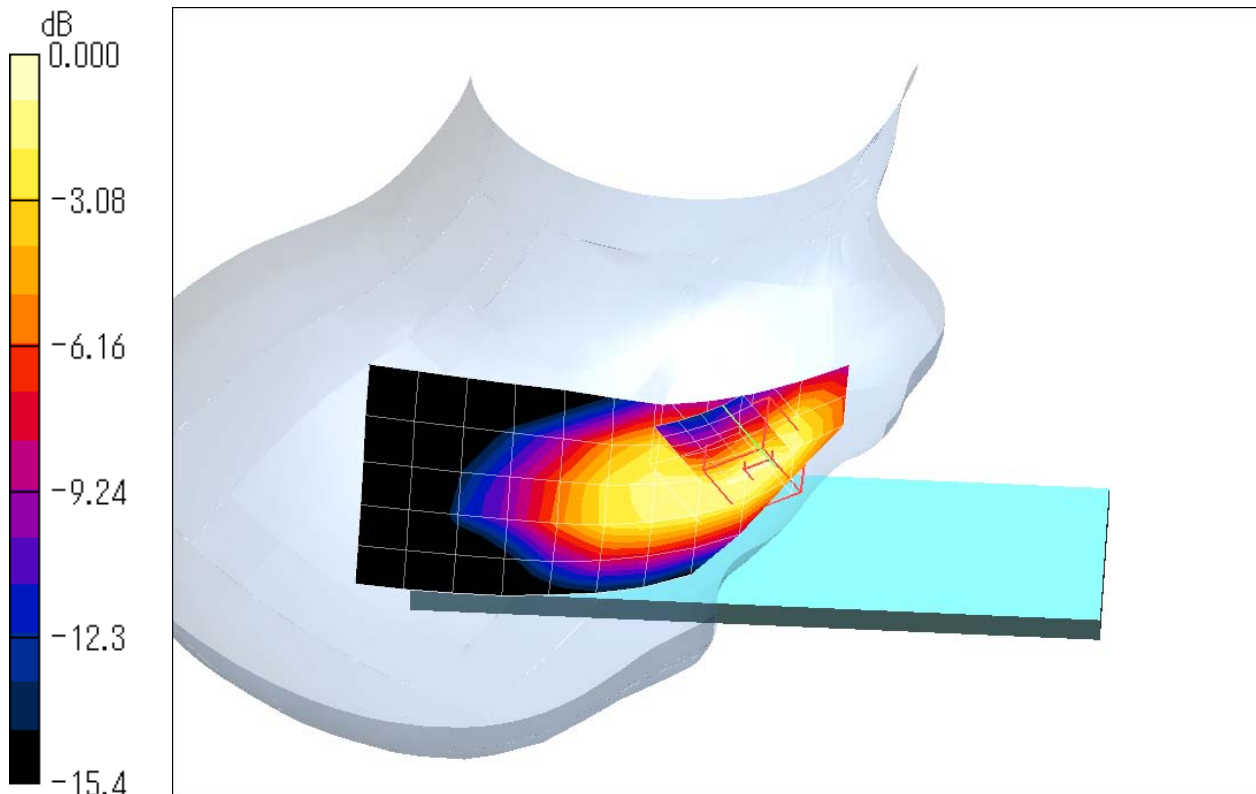Maximum value of SAR (measured) = 0.413 mW/g

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

Reference Value = 14.9 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.246 mW/g

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

0 dB = 0.463mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head, Ear/Tilt 661ch (1880.0MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.43 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.31, 5.31, 5.31); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt Position/Area Scan (11x6x1): Measurement grid: dx=15mm, dy=15mm
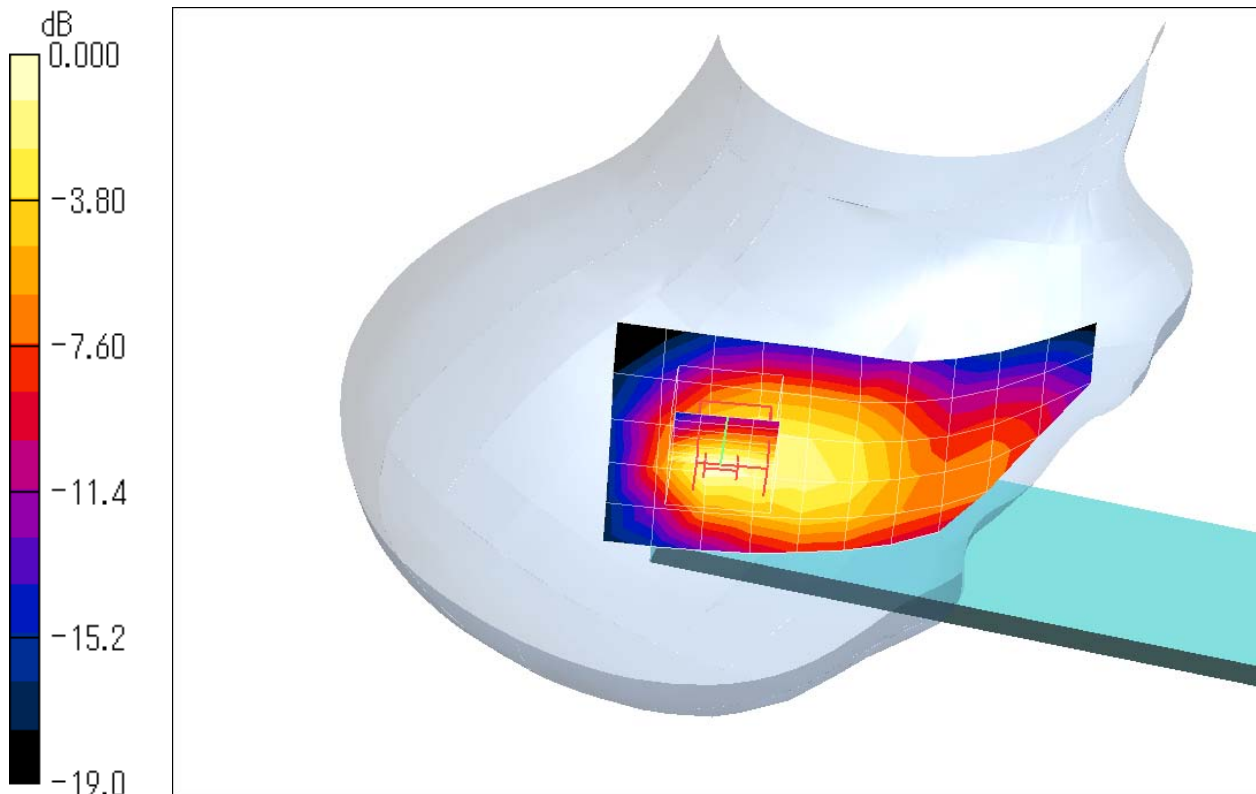
Maximum value of SAR (measured) = 0.208 mW/g

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

Reference Value = 12.5 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.243 mW/g

0 dB = 0.243mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 512ch (1850.2MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium: M1900 Medium parameters used: f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.86, 4.86, 4.86); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

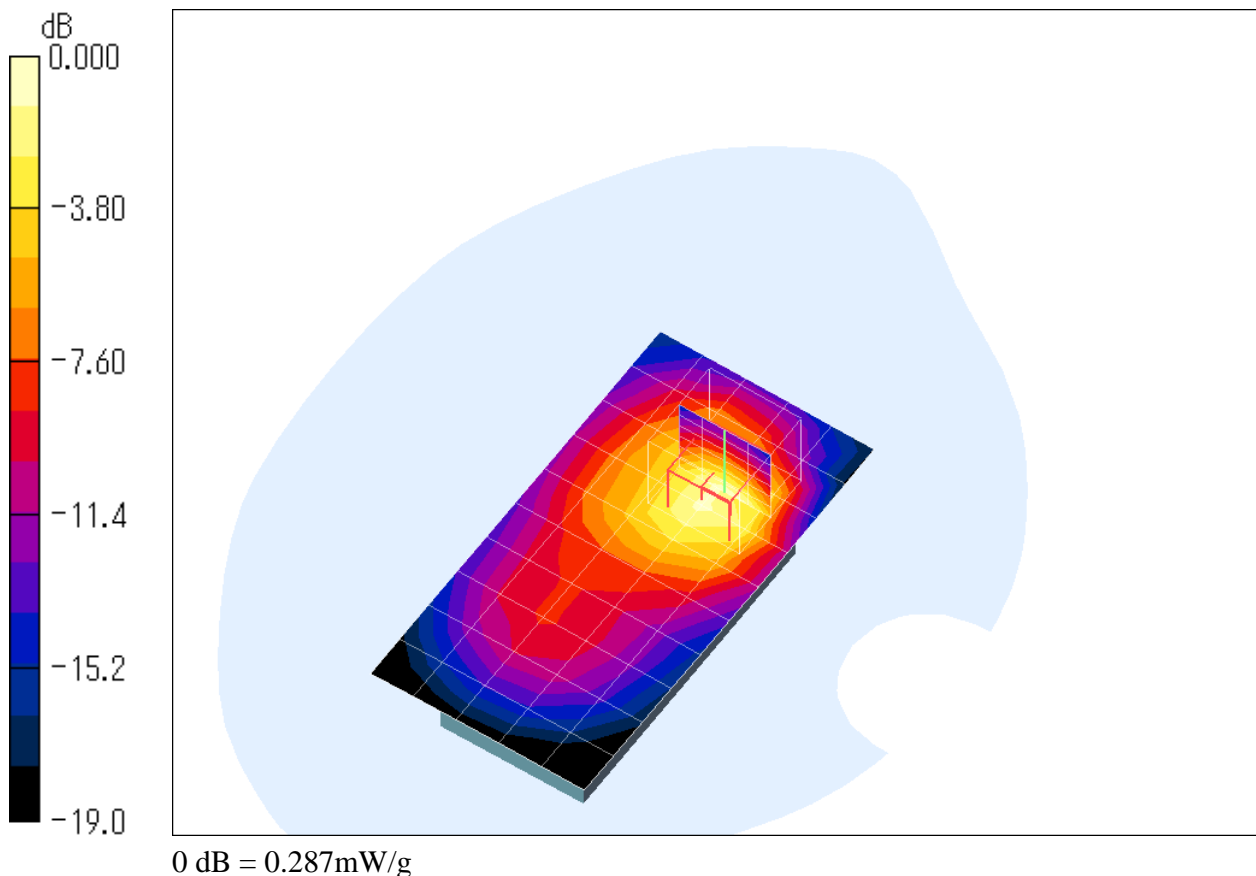Maximum value of SAR (measured) = 0.242 mW/g

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

Reference Value = 8.80 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.141 mW/g

Maximum value of SAR (measured) = 0.287 mW/g

0 dB = 0.287mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 512ch (1850.2MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: M1900 Medium parameters used: f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
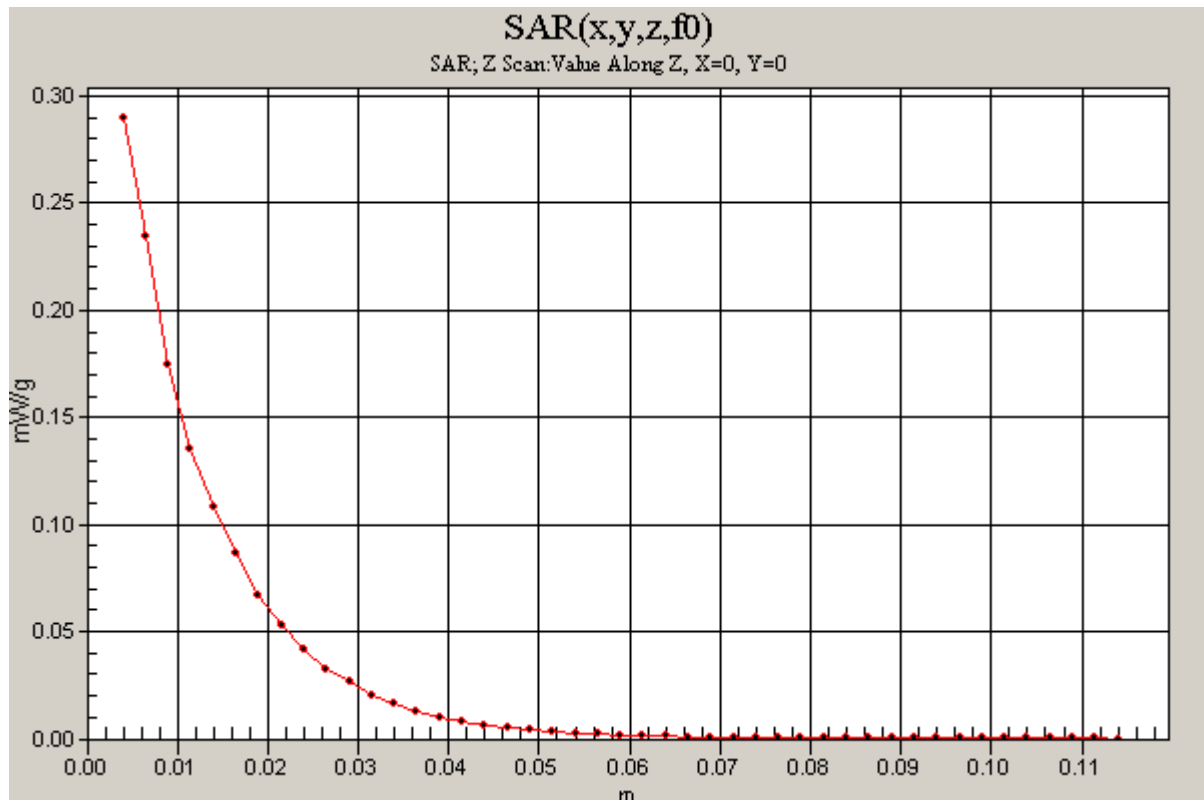
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.86, 4.86, 4.86); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Z Scan (1x1x45): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 0.290 mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 661ch (1880.0MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ϵ_r = 52.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.86, 4.86, 4.86); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
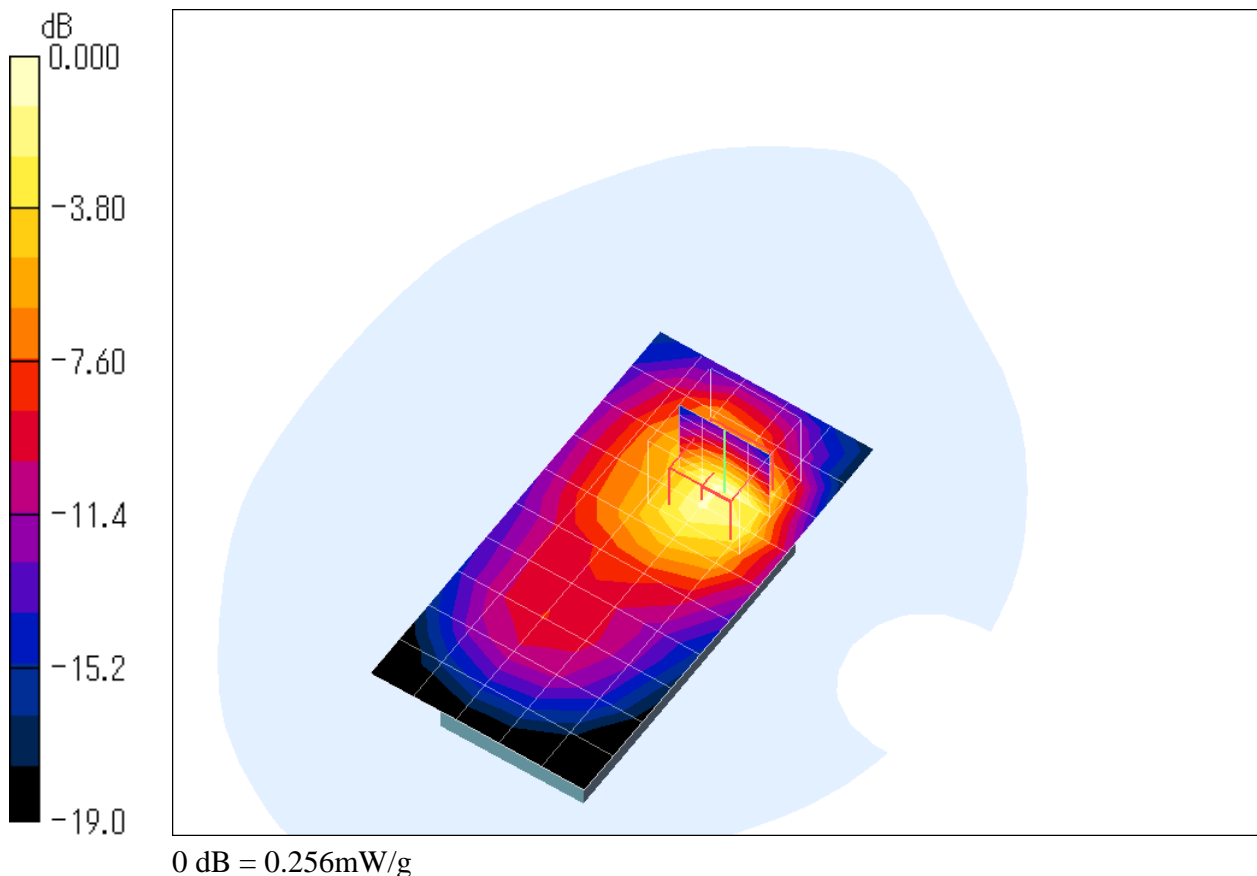Maximum value of SAR (measured) = 0.205 mW/g

Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.41 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.414 W/kg
SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.256 mW/g

0 dB = 0.256mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 810ch (1909.8MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: M1900 Medium parameters used: f = 1909.8 MHz; σ = 1.58 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.86, 4.86, 4.86); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.182 mW/g

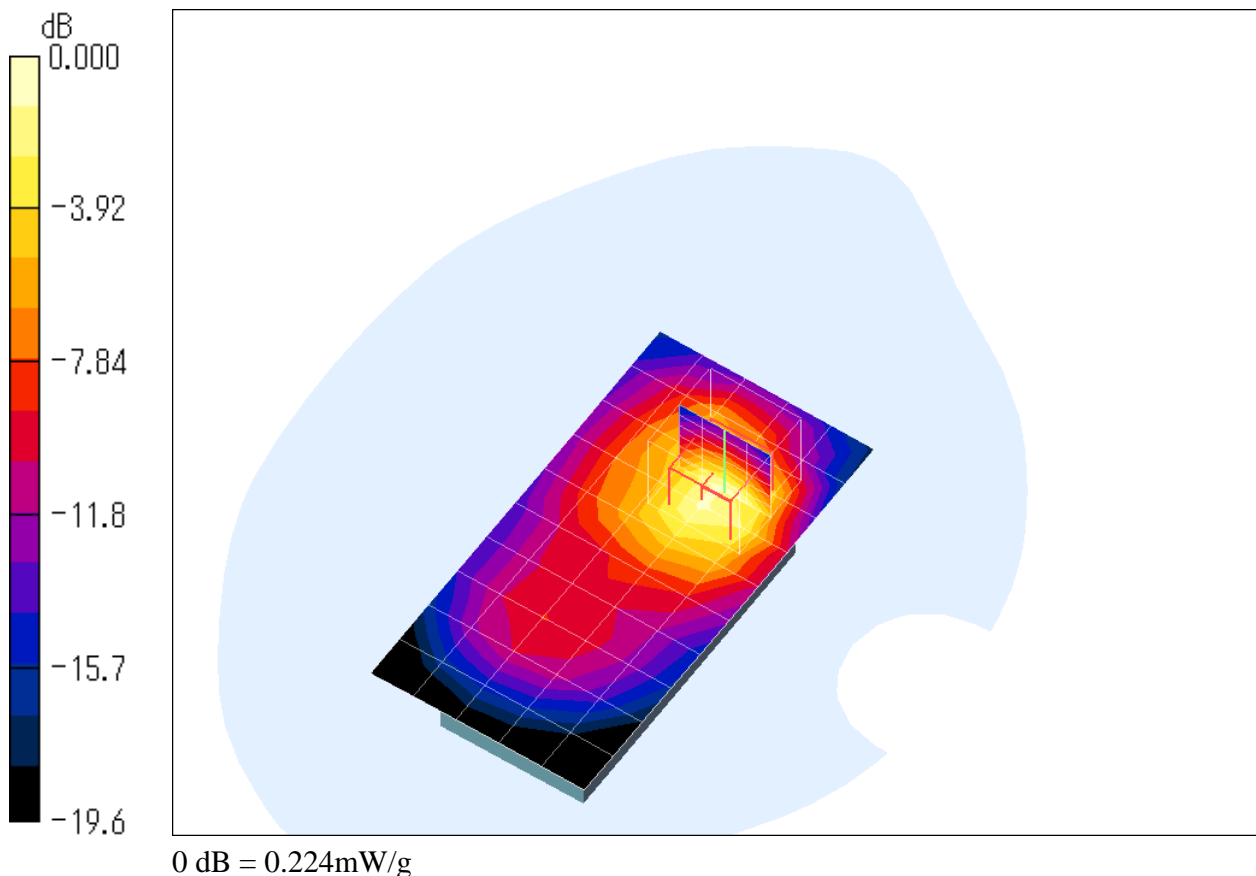**Body-worn/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.77 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 0.367 W/kg
SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.224 mW/g

0 dB = 0.224mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Back 661ch (1880.0MHz) : GPRS Class 8

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.86, 4.86, 4.86); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
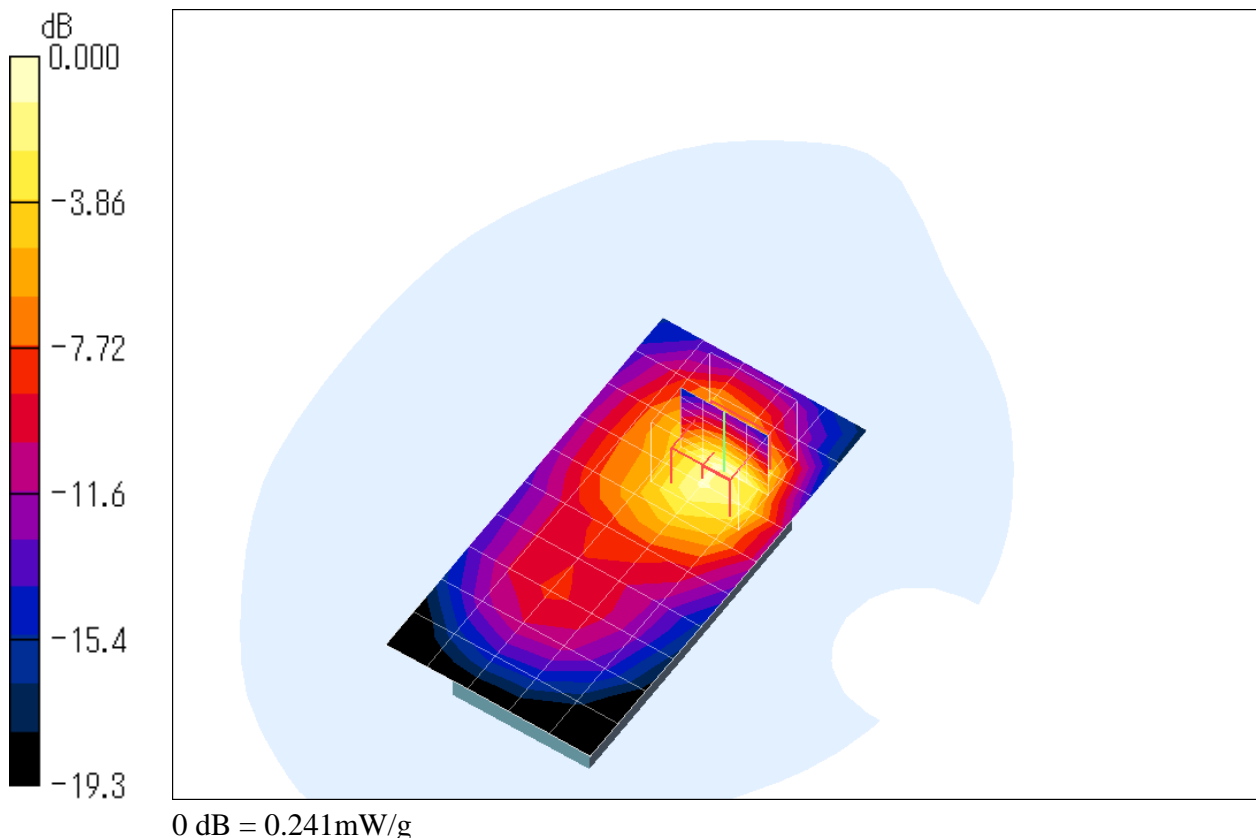Maximum value of SAR (measured) = 0.195 mW/g

Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.27 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.241 mW/g

0 dB = 0.241mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Front 661ch (1880.0MHz)

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.86, 4.86, 4.86); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
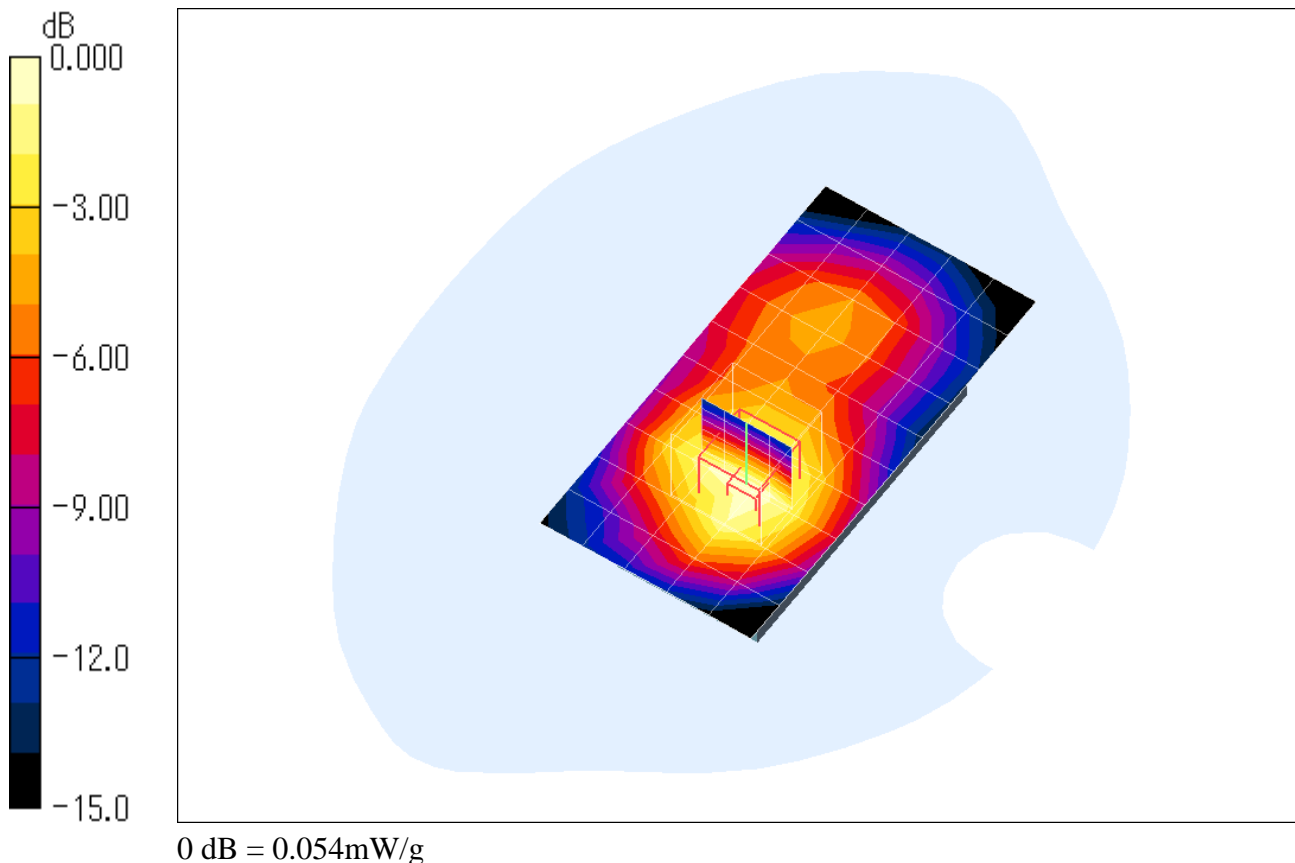- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.054 mW/g

Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.38 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 0.081 W/kg
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.031 mW/g

0 dB = 0.054mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn, Front 661ch (1880.0MHz) : GPRS Class 8

DUT: Cellular Phone; Type: F-02B; Serial: 356774020003166

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium: M1900 Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.86, 4.86, 4.86); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.052 mW/g

Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.27 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 0.077 W/kg
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.030 mW/g

dB
0.000
-2.98
-5.96
-8.94
-11.9
-14.9

0 dB = 0.052mW/g