JQA

Appendix 2 – Highest SAR Test Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 1880 MHz;Duty Cycle: 1:2.08018
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.407 S/m; ε_r = 39.929; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: ET3DV6 - SN1679; ConvF(5.04, 5.04, 5.04); Calibrated: 8/16/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/5/2012
- Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Head/Left Touched/Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm
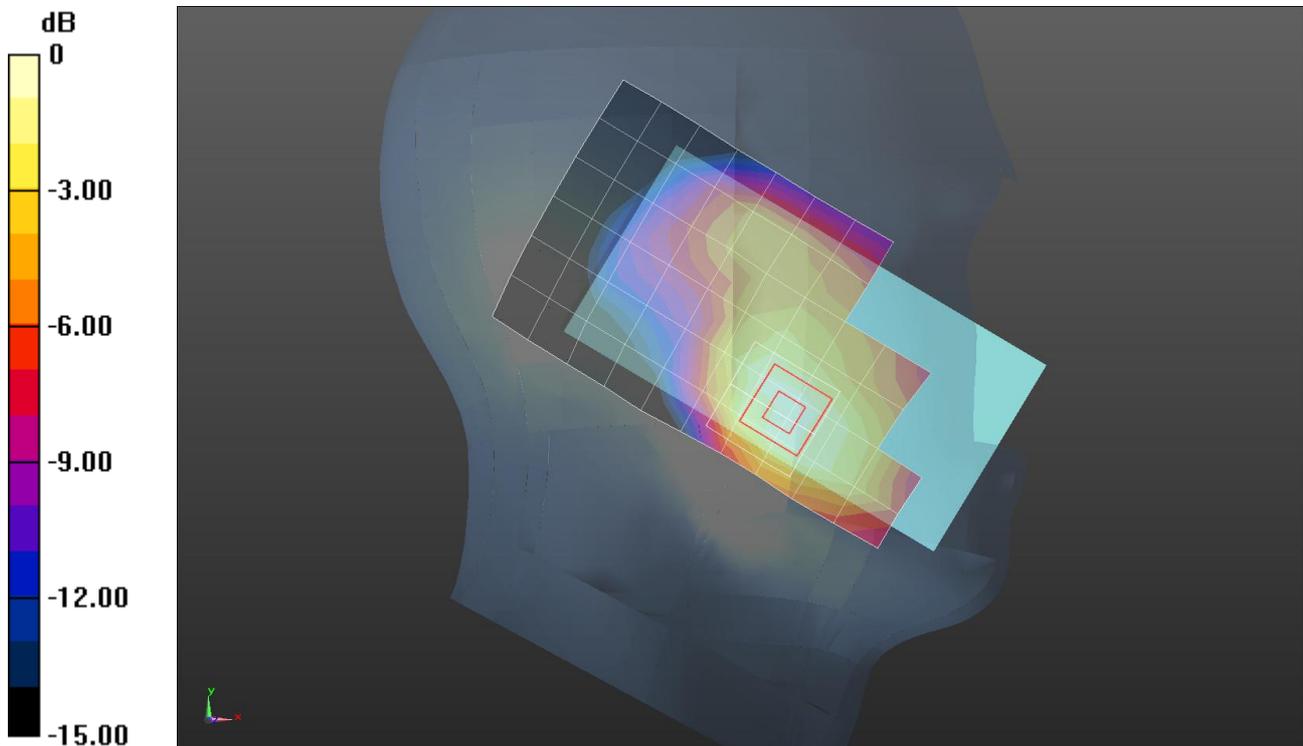Maximum value of SAR (measured) = 0.255 W/kg

Head/Left Touched/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.799 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.387 W/kg
SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.170 W/kg
Maximum value of SAR (measured) = 0.289 W/kg

0 dB = 0.289 W/kg = -5.39 dBW/kg

Plot No.1

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slot

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 1880 MHz;Duty Cycle: 1:2.08018
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.542 S/m; ε_r = 52.363; ρ = 1000 kg/m^3

DASY5 Configuration:
 - Probe: ET3DV6 - SN1679; ConvF(4.48, 4.48, 4.48); Calibrated: 8/16/2013;
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn508; Calibrated: 11/5/2012
 - Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
 - Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Body/Rear/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
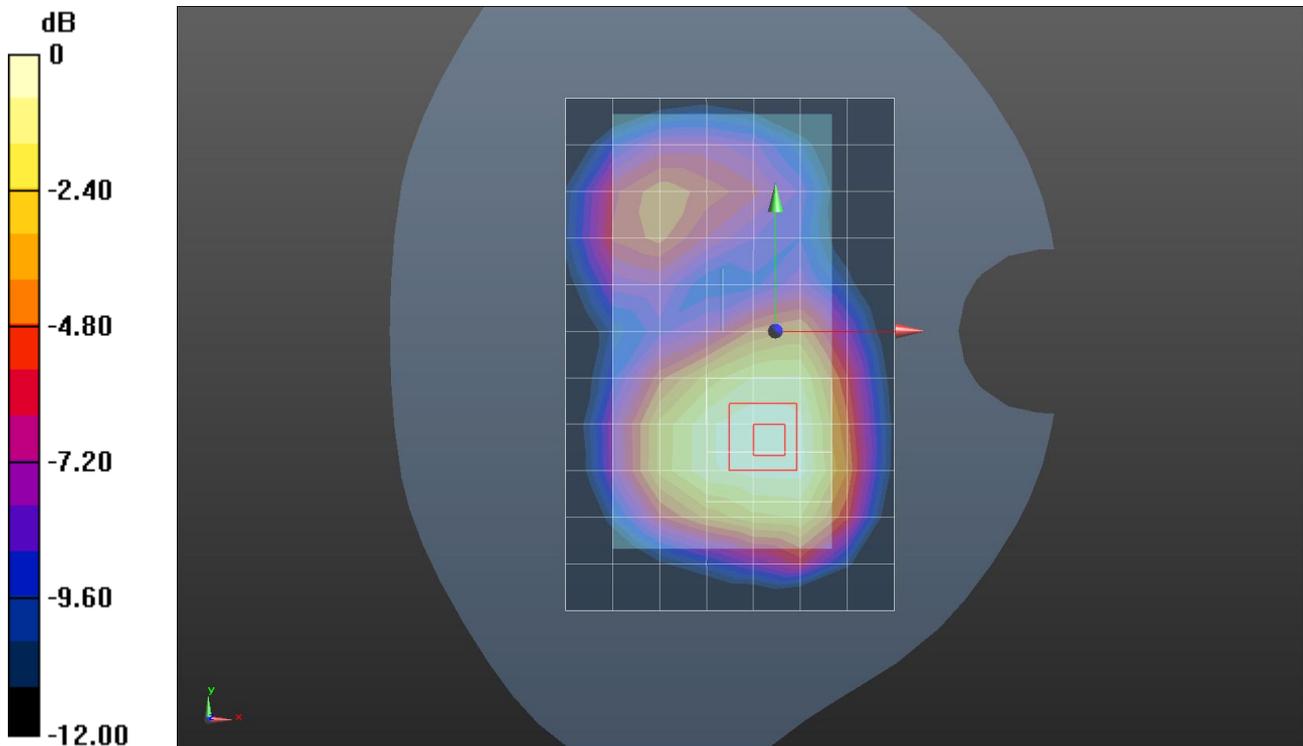Maximum value of SAR (measured) = 0.332 W/kg

Body/Rear/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.070 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.462 W/kg
SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.218 W/kg
Maximum value of SAR (measured) = 0.343 W/kg

0 dB = 0.343 W/kg = -4.65 dBW/kg

Plot No.2

![JQA]

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 2437 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2437 MHz; σ = 1.794 S/m; ε_r = 38.716; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN3808; ConvF(6.95, 6.95, 6.95); Calibrated: 9/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/5/2012
- Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Head/Right Touched/Area Scan (14x10x1): Measurement grid: dx=12mm, dy=12mm
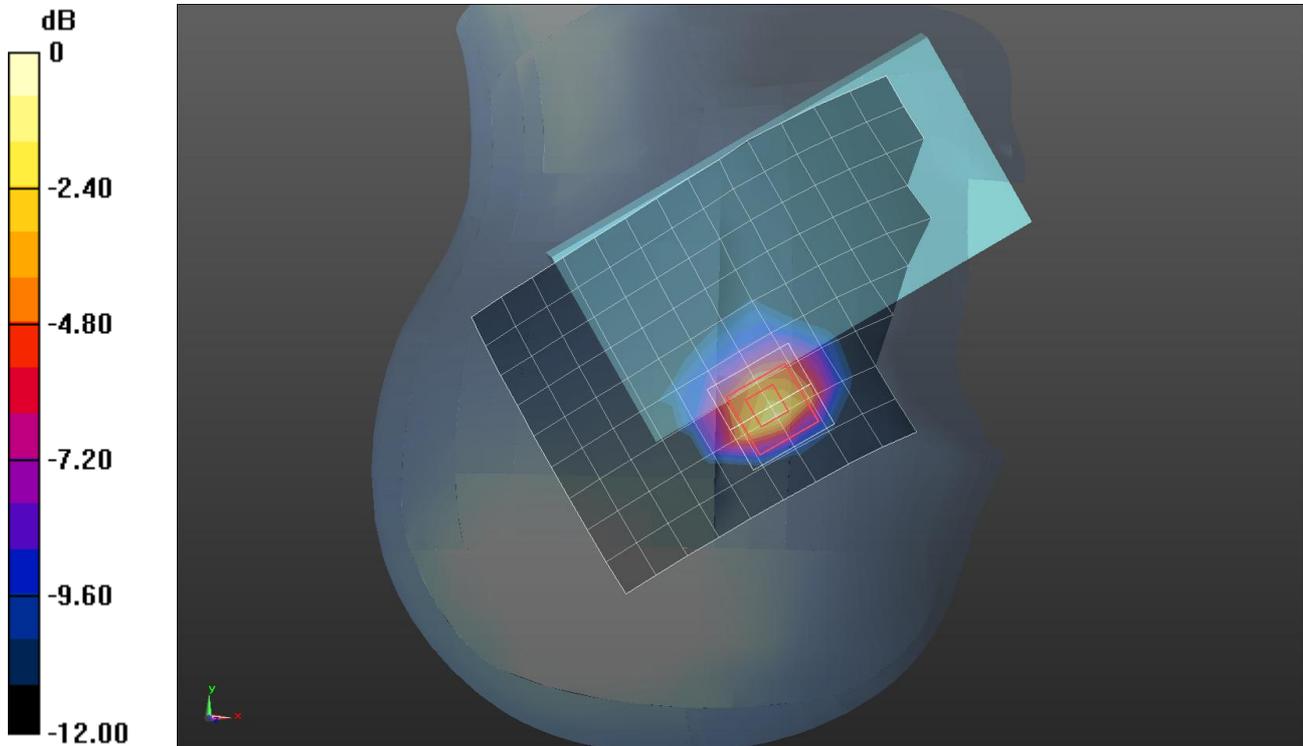Maximum value of SAR (measured) = 0.108 W/kg

Head/Right Touched/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.576 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.213 W/kg
SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.037 W/kg
Maximum value of SAR (measured) = 0.146 W/kg

0 dB = 0.146 W/kg = -8.36 dBW/kg

Plot No.3

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 2437 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2437 MHz; σ = 1.943 S/m; ε_r = 51.705; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN3808; ConvF(7.14, 7.14, 7.14); Calibrated: 9/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/5/2012
- Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Body/Rear/Area Scan (10x14x1): Measurement grid: dx=12mm, dy=12mm
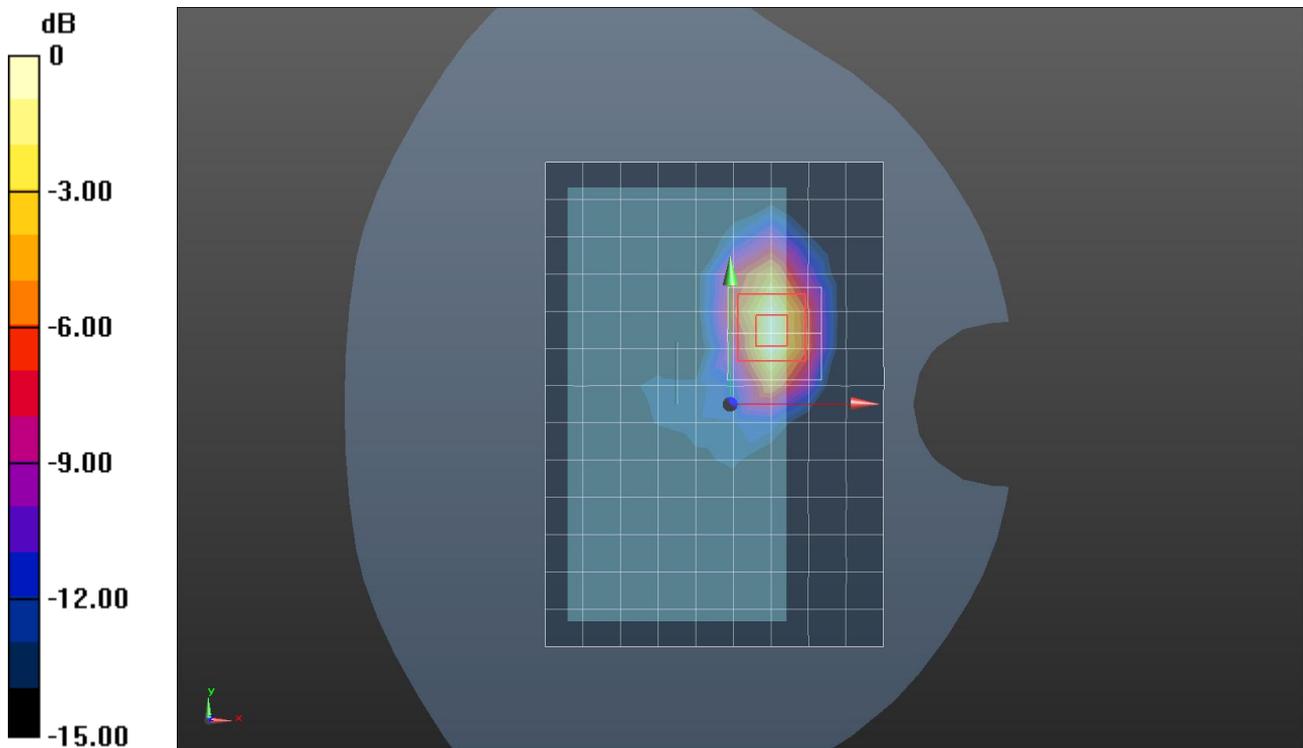Maximum value of SAR (measured) = 0.403 W/kg

Body/Rear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.983 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.125 W/kg
Maximum value of SAR (measured) = 0.432 W/kg

0 dB = 0.432 W/kg = -3.65 dBW/kg

Plot No.4

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

36ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 5180 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5180 MHz; σ = 4.501 S/m; ε_r = 35.334; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN3808; ConvF(4.99, 4.99, 4.99); Calibrated: 9/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/5/2012
- Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Head/Right Touched/Area Scan (16x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.147 W/kg

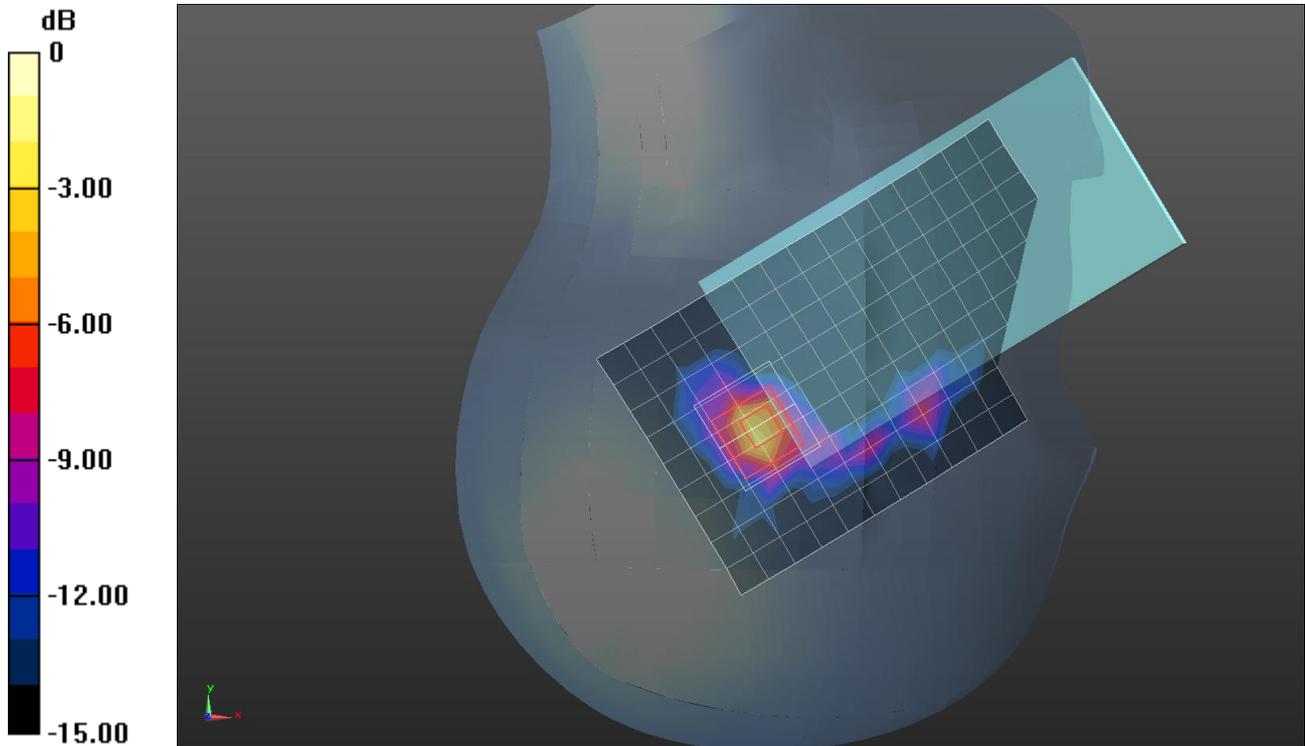## Head/Right Touched/Zoom Scan (8x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.324 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.422 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.025 W/kg
Maximum value of SAR (measured) = 0.238 W/kg

0 dB = 0.238 W/kg = -6.23 dBW/kg

Plot No.5

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

36ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 5180 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5180 MHz; σ = 5.319 S/m; ε_r = 47.319; ρ = 1000 kg/m^3

DASY5 Configuration:
 - Probe: EX3DV4 - SN3808; ConvF(4.27, 4.27, 4.27); Calibrated: 9/12/2013;
 - Sensor-Surface: 2mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn508; Calibrated: 11/5/2012
 - Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
 - Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Body/Rear/Area Scan (11x16x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.163 W/kg

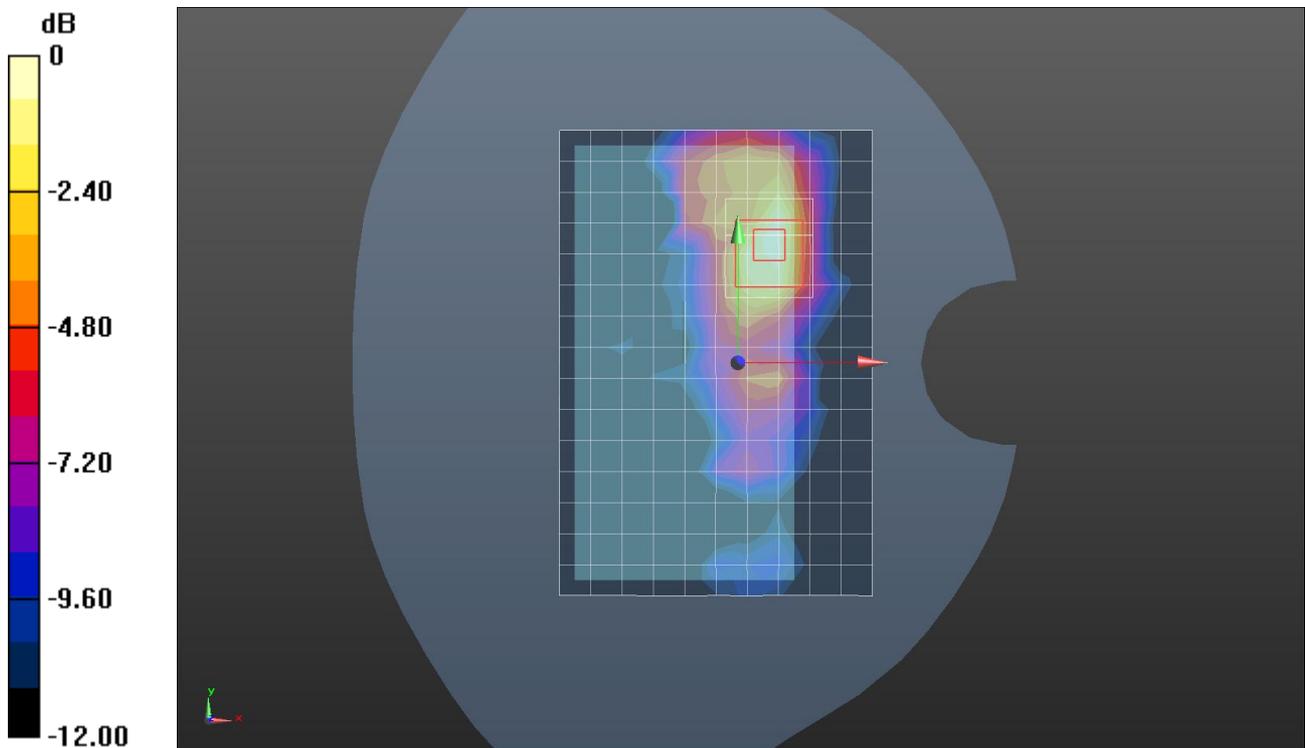## Body/Rear/Zoom Scan (8x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.607 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.031 W/kg
Maximum value of SAR (measured) = 0.177 W/kg

0 dB = 0.177 W/kg = -7.52 dBW/kg

Plot No.6

![JQA]

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

64ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 5320 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5320 MHz; σ = 4.704 S/m; ε_r = 35.092; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN3808; ConvF(4.85, 4.85, 4.85); Calibrated: 9/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/5/2012
- Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Head/Right Touched/Area Scan (16x10x1): Measurement grid: dx=10mm, dy=10mm
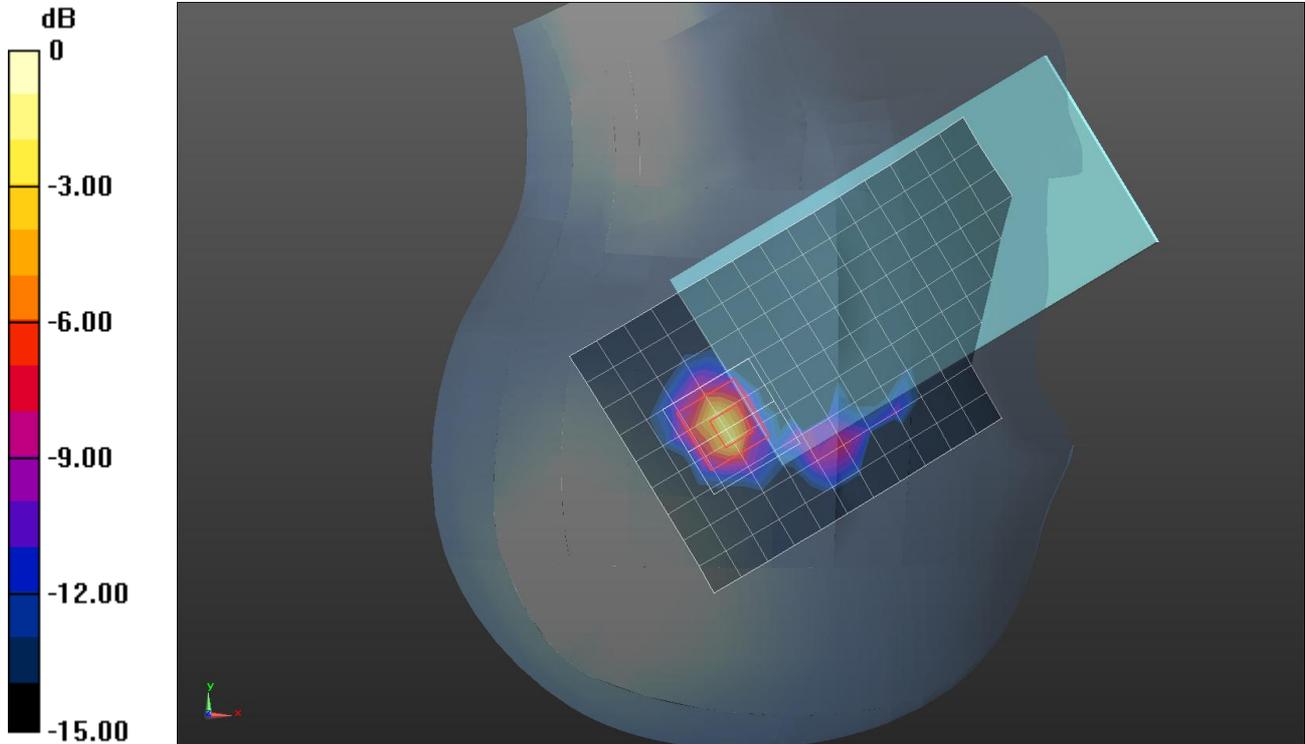Maximum value of SAR (measured) = 0.174 W/kg

Head/Right Touched/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm,
dz=2mm
Reference Value = 6.826 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.465 W/kg
SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.026 W/kg
Maximum value of SAR (measured) = 0.263 W/kg

0 dB = 0.263 W/kg = -5.80 dBW/kg

Plot No.7

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

64ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 5320 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5320 MHz; σ = 5.491 S/m; ε_r = 47.099; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN3808; ConvF(4.07, 4.07, 4.07); Calibrated: 9/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/5/2012
- Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Body/Rear/Area Scan (11x17x1): Measurement grid: dx=10mm, dy=10mm
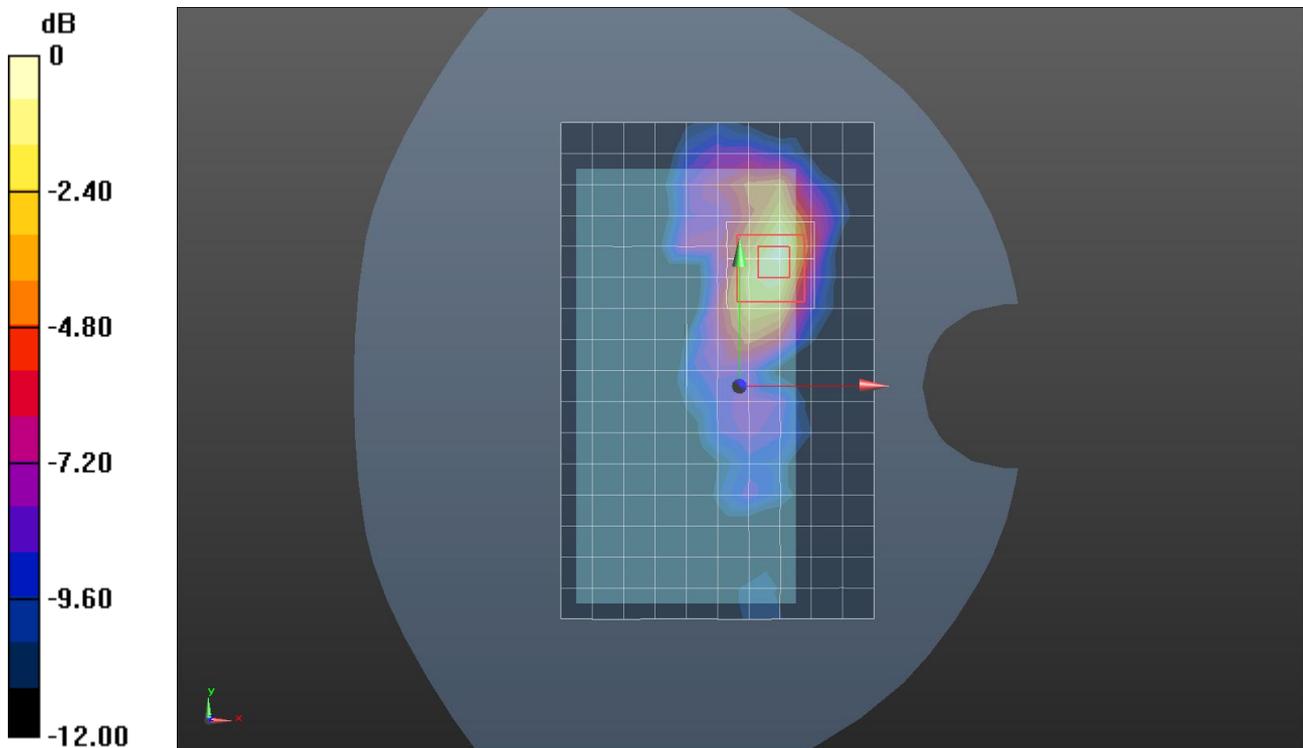Maximum value of SAR (measured) = 0.194 W/kg

Body/Rear/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.800 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.388 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.032 W/kg
Maximum value of SAR (measured) = 0.211 W/kg

0 dB = 0.211 W/kg = -6.76 dBW/kg

Plot No.8

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

140ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 5700 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5700 MHz; σ = 5.078 S/m; ε_r = 34.536; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN3808; ConvF(4.32, 4.32, 4.32); Calibrated: 9/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/5/2012
- Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Head/Right Touched/Area Scan (16x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.0535 W/kg

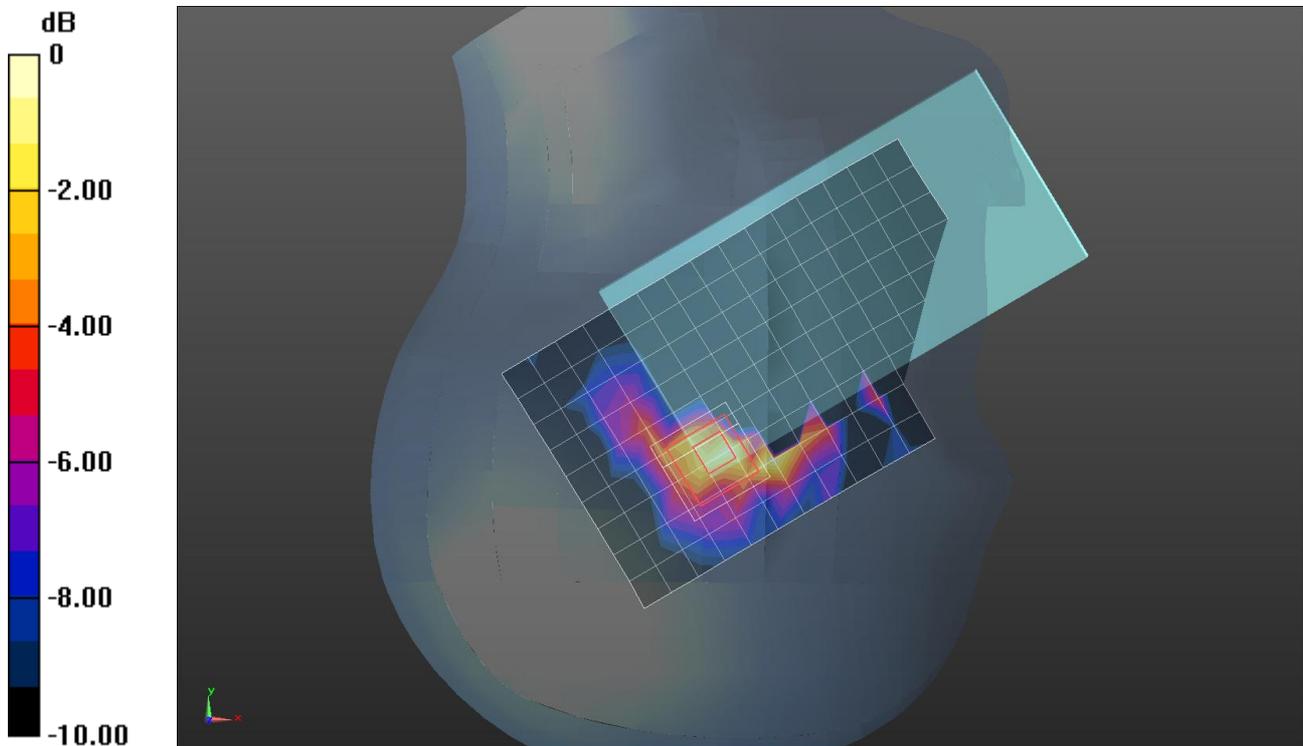## Head/Right Touched/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.250 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.387 W/kg
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.00862 W/kg
Maximum value of SAR (measured) = 0.0569 W/kg

0 dB = 0.0569 W/kg = -12.45 dBW/kg

Plot No.9

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

140ch / 802.11a 6Mbps

DUT: Cellular Phone; Type: 302SH; Serial: 004401114957034

Frequency: 5700 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5700 MHz; σ = 5.965 S/m; ε_r = 46.518; ρ = 1000 kg/m^3

DASY5 Configuration:
- Probe: EX3DV4 - SN3808; ConvF(3.86, 3.86, 3.86); Calibrated: 9/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/5/2012
- Phantom: SAM v4.0 SN1200; Type: QD000P40CC; Serial: TP 1200
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Body/Rear/Area Scan (11x17x1): Measurement grid: dx=10mm, dy=10mm
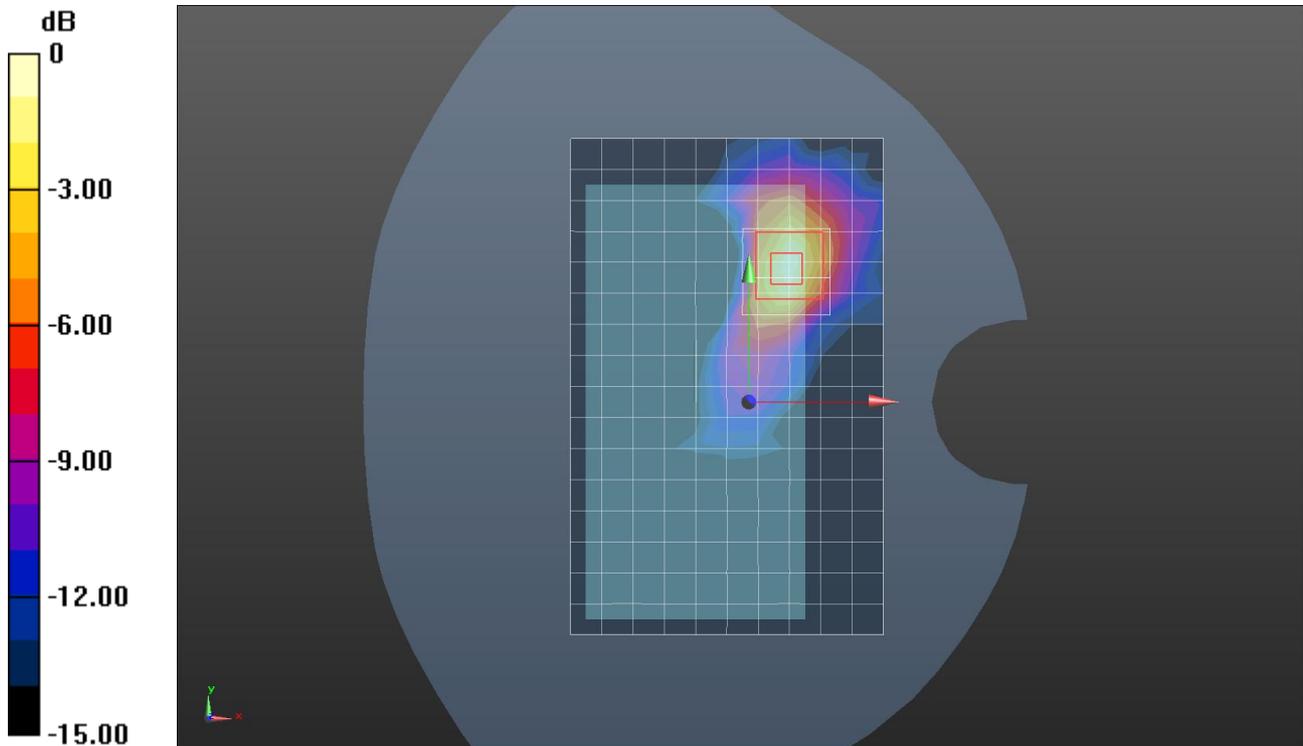Maximum value of SAR (measured) = 0.264 W/kg

Body/Rear/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.329 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.479 W/kg
SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.040 W/kg
Maximum value of SAR (measured) = 0.255 W/kg

0 dB = 0.255 W/kg = -5.93 dBW/kg

Plot No.10