

Appendix 2 – Highest SAR Test Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slots

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

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; $\sigma = 1.389$ S/m; $\epsilon_r = 39.63$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.08, 5.08, 5.08); Calibrated: 8/15/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Right Touched/Area Scan (11x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.284 W/kg

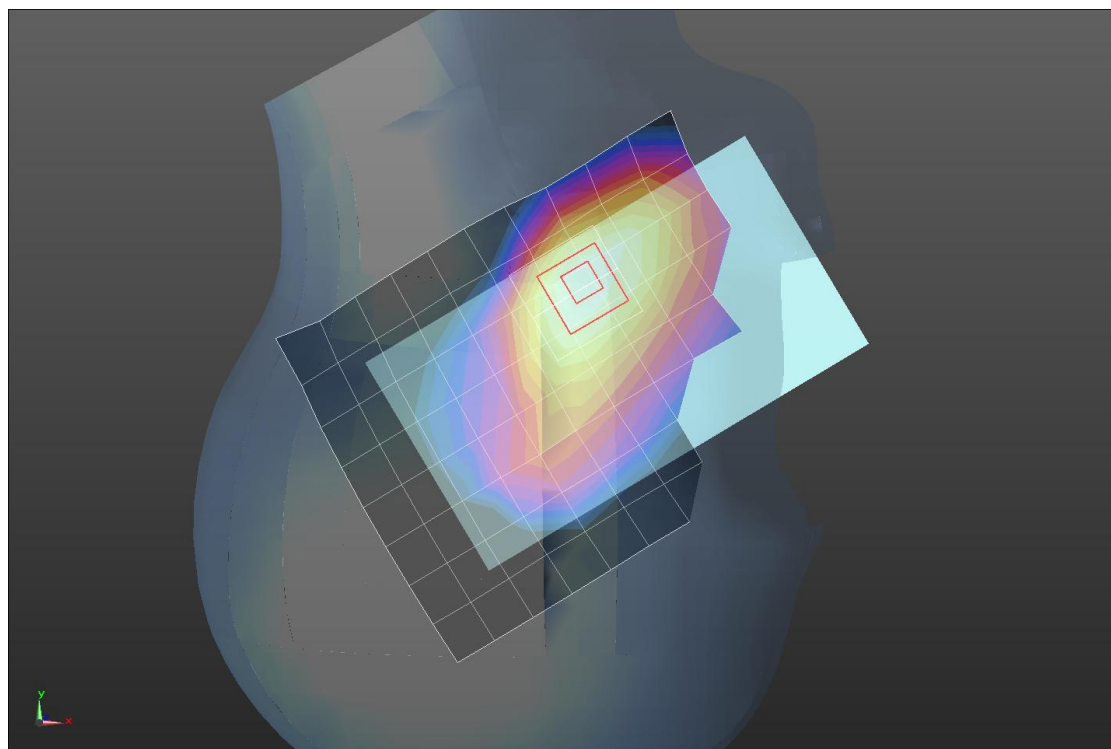
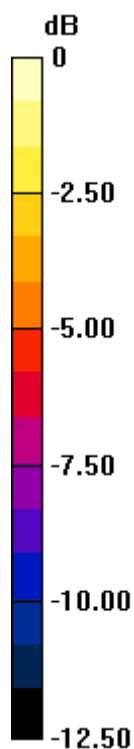
Head/Right Touched/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.43 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.294 W/kg



0 dB = 0.294 W/kg = -5.32 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slots

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

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; $\sigma = 1.532$ S/m; $\epsilon_r = 52.514$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.53, 4.53, 4.53); Calibrated: 8/15/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.406 W/kg

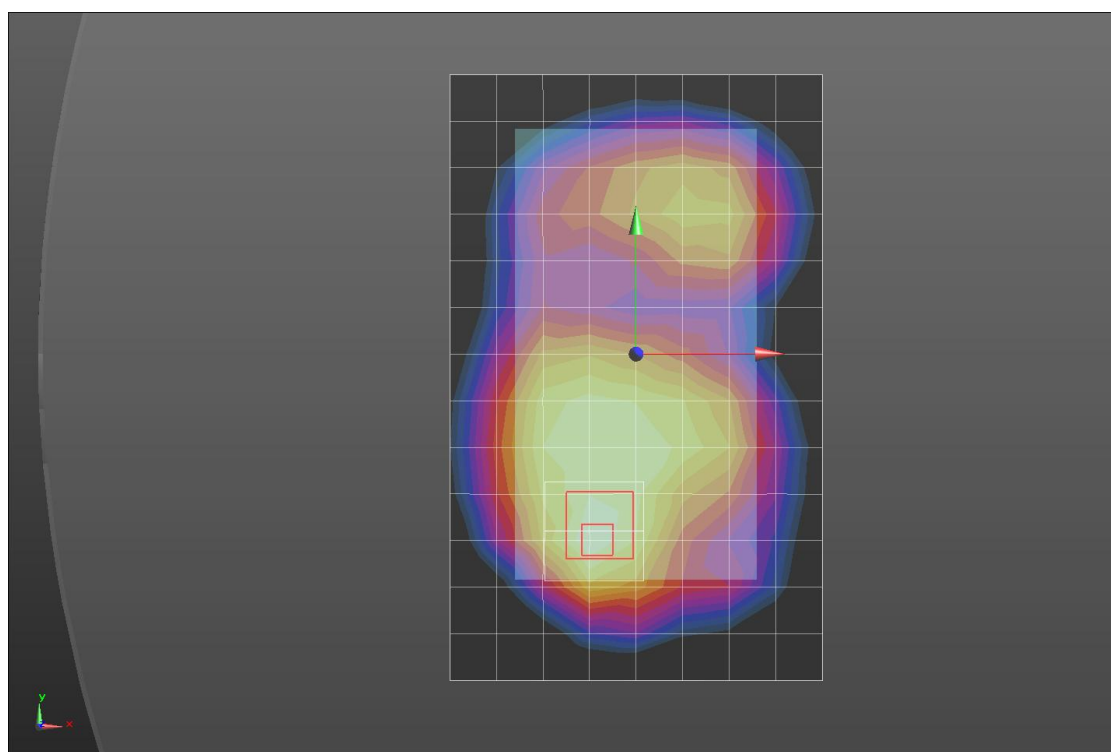
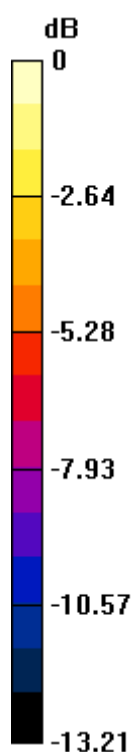
Body/Rear/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.95 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.532 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.389 W/kg = -4.10 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

11ch / 802.11b 1Mbps (ANT 0)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 2462 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 39.494$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.99, 6.99, 6.99); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Right Touched/Area Scan (14x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0748 W/kg

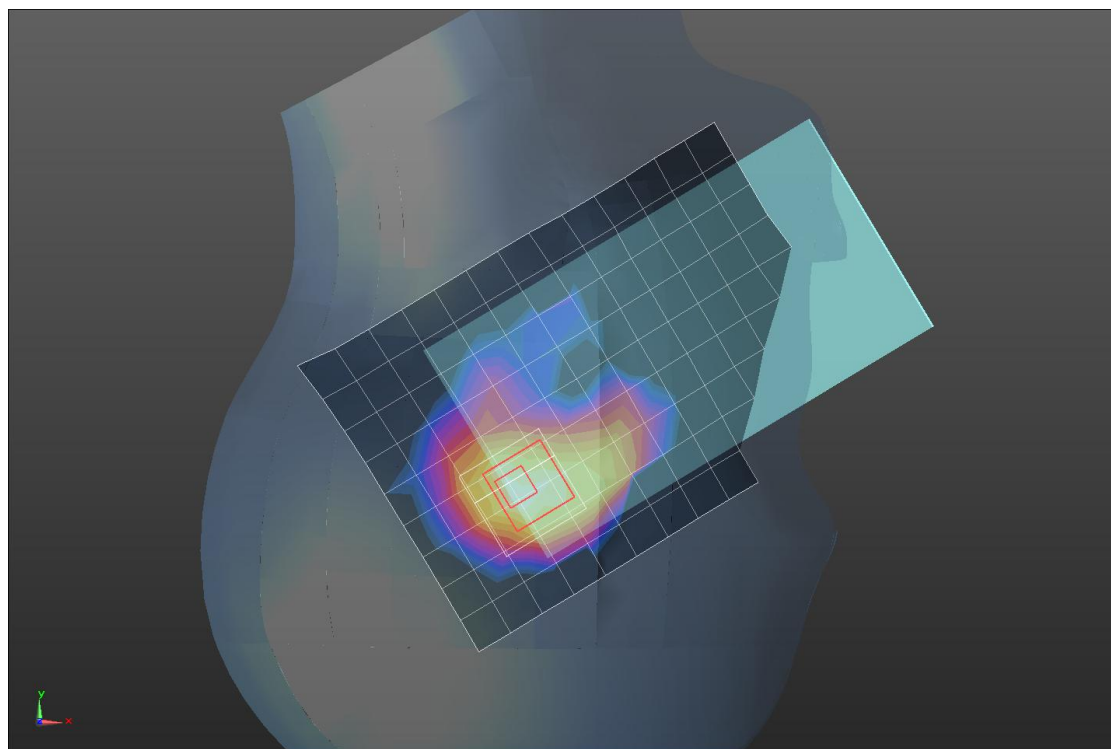
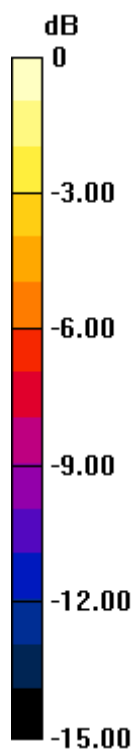
Head/Right Touched/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.986 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.0746 W/kg



0 dB = 0.0746 W/kg = -11.27 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

11ch / 802.11b 1Mbps (ANT 0)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 2462 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.965$ S/m; $\epsilon_r = 52.203$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.92, 6.92, 6.92); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.109 W/kg

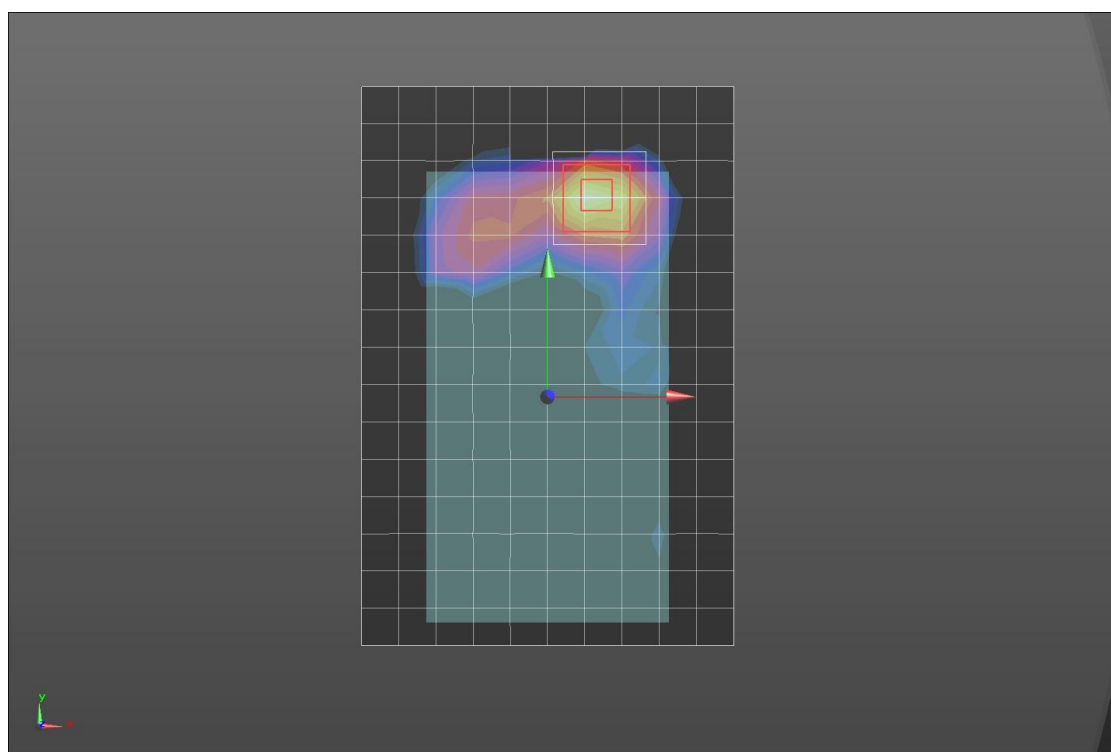
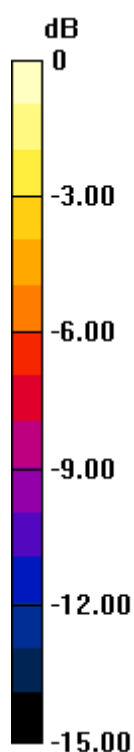
Body/Rear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.158 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.028 W/kg

Maximum value of SAR (measured) = 0.117 W/kg



0 dB = 0.117 W/kg = -9.32 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

1ch / 802.11b 1Mbps (ANT 1)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 2412 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.811$ S/m; $\epsilon_r = 39.699$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.99, 6.99, 6.99); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Left Touched/Area Scan (14x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0786 W/kg

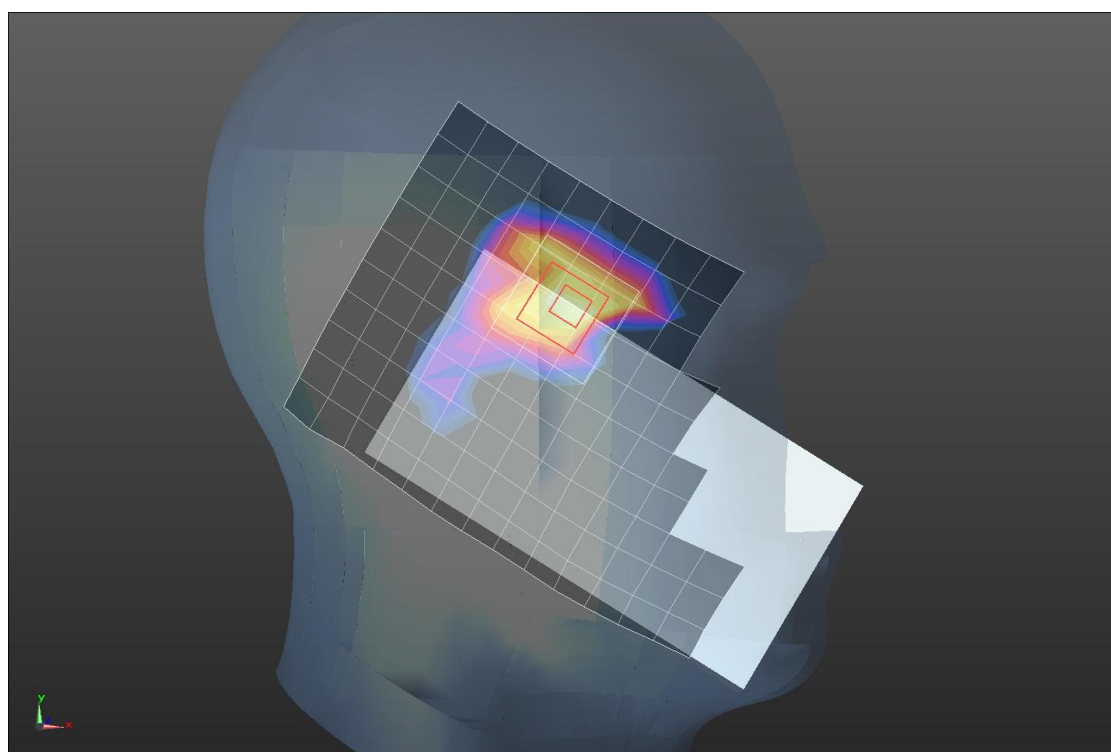
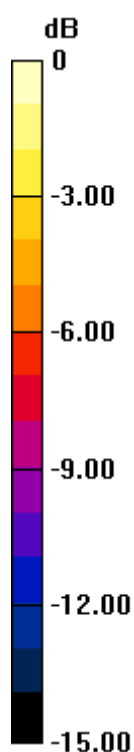
Head/Left Touched/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.929 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.152 W/kg

SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.028 W/kg

Maximum value of SAR (measured) = 0.104 W/kg



0 dB = 0.104 W/kg = -9.83 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

1ch / 802.11b 1Mbps (ANT 1)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 2412 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 52.397$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.92, 6.92, 6.92); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.140 W/kg

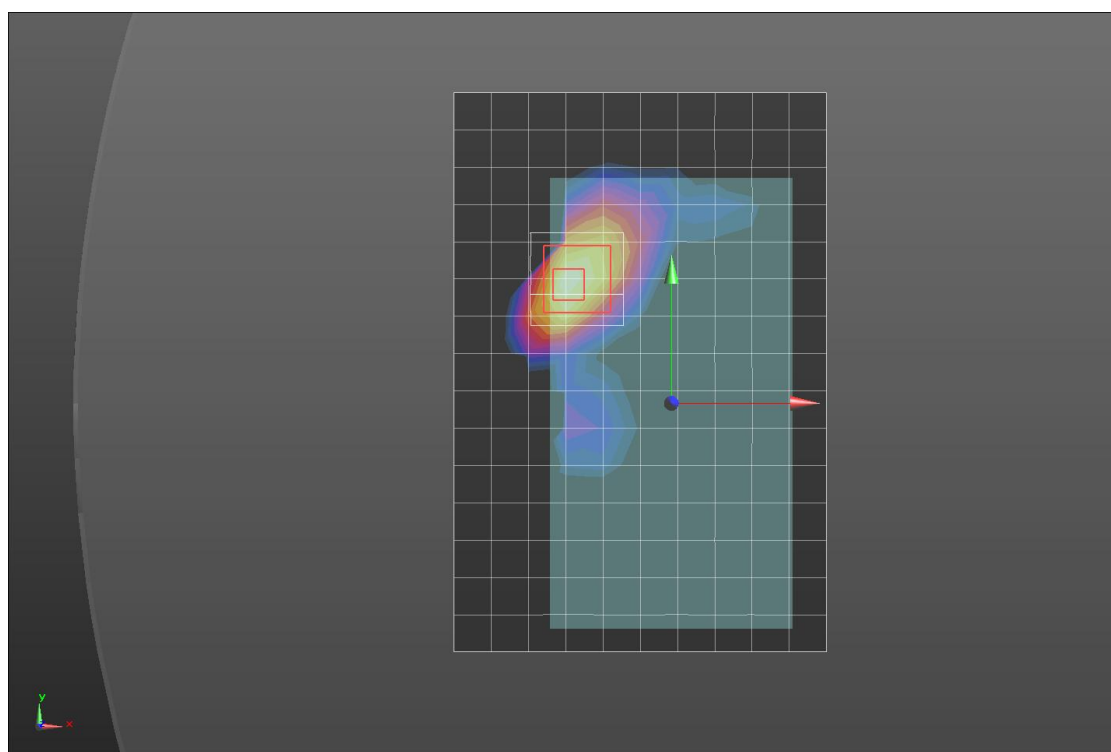
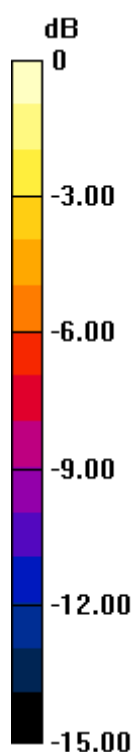
Body/Rear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.521 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.194 W/kg

SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.038 W/kg

Maximum value of SAR (measured) = 0.138 W/kg



0 dB = 0.138 W/kg = -8.60 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

58ch / 802.11ac VHT80 MCS0 (ANT 0)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 5290 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.705$ S/m; $\epsilon_r = 36.705$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.89, 4.89, 4.89); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Right Tilted/Area Scan (16x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0846 W/kg

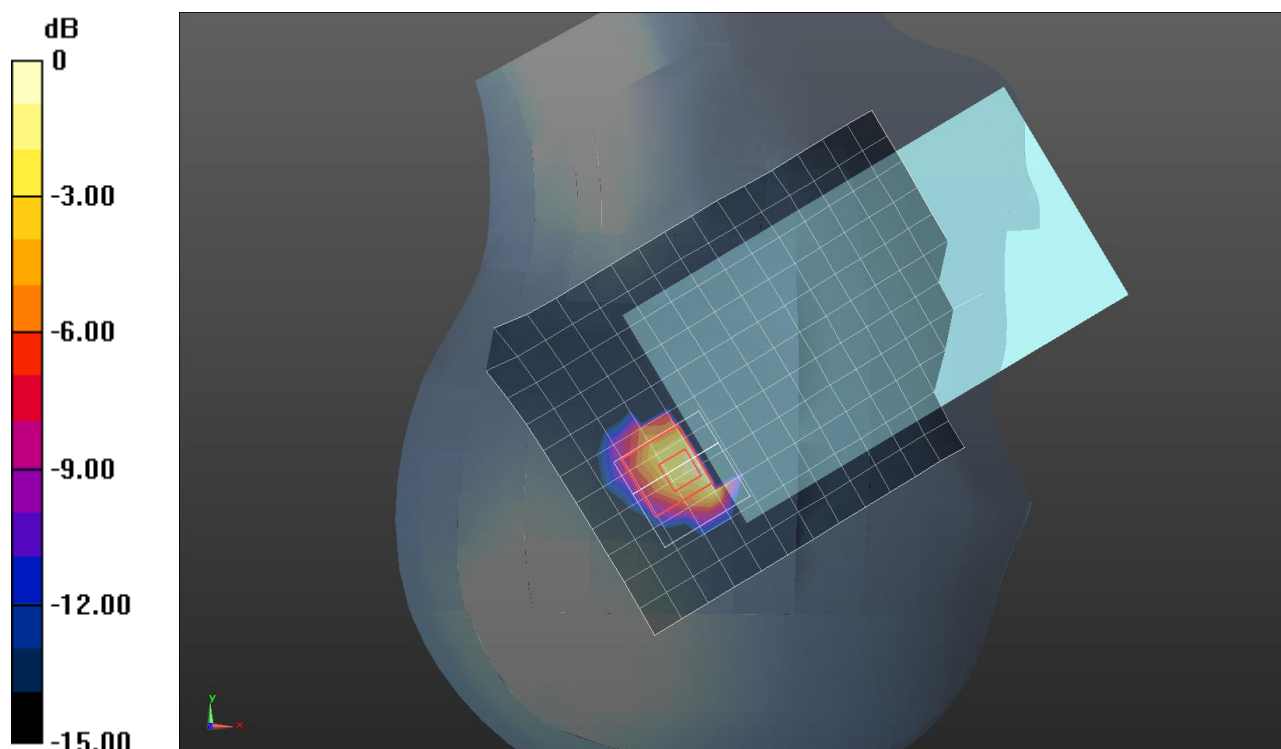
Head/Right Tilted/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.470 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.0975 W/kg



0 dB = 0.0975 W/kg = -10.11 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

58ch / 802.11ac VHT80 MCS0 (ANT 0)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 5290 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5290$ MHz; $\sigma = 5.534$ S/m; $\epsilon_r = 48.607$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.19, 4.19, 4.19); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (13x20x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.199 W/kg

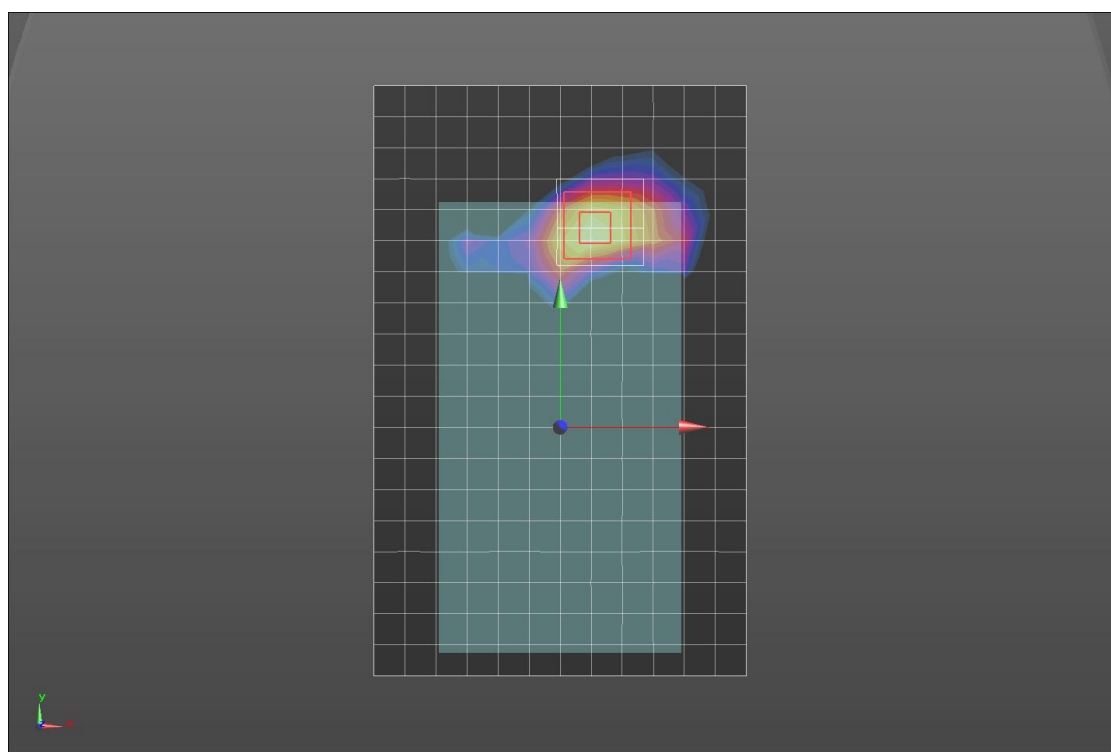
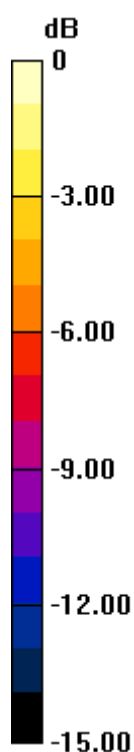
Body/Rear/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.734 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg = -6.25 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

58ch / 802.11ac VHT80 MCS0 (ANT 1)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 5290 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.705$ S/m; $\epsilon_r = 36.705$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.89, 4.89, 4.89); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Left Touched/Area Scan (16x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0754 W/kg

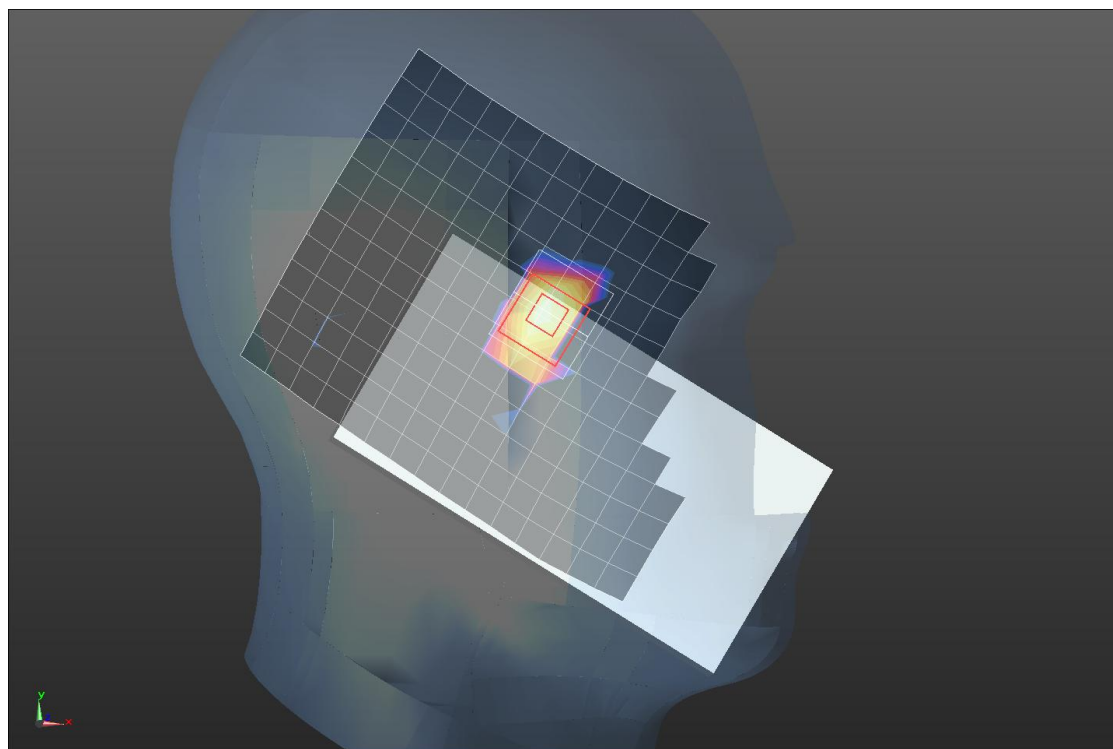
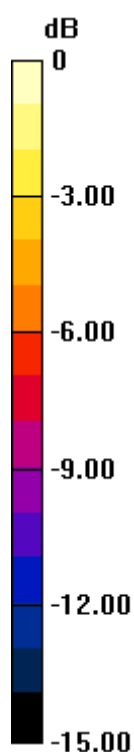
Head/Left Touched/Zoom Scan (8x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.394 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.0751 W/kg



0 dB = 0.0751 W/kg = -11.24 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

58ch / 802.11ac VHT80 MCS0 (ANT 1)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 5290 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5290$ MHz; $\sigma = 5.534$ S/m; $\epsilon_r = 48.607$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.19, 4.19, 4.19); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (13x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.109 W/kg

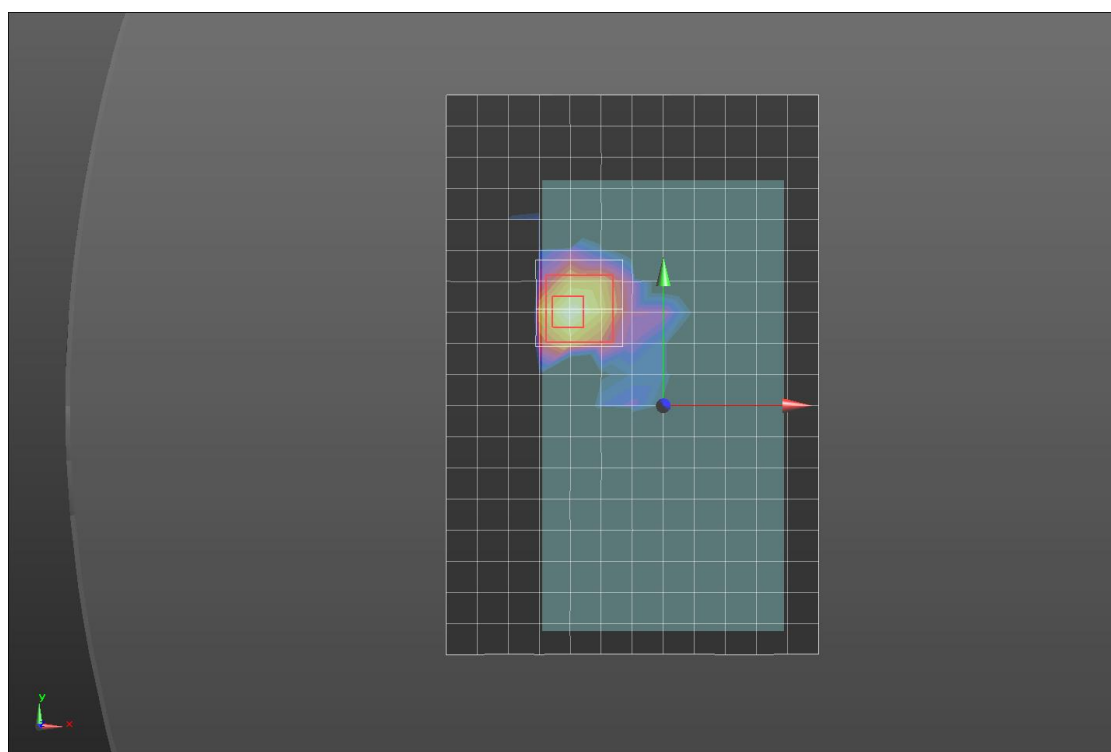
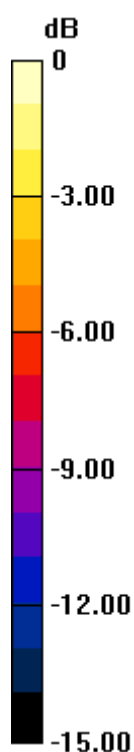
Body/Rear/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.834 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.108 W/kg



0 dB = 0.108 W/kg = -9.67 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

122ch / 802.11ac VHT80 MCS0 (ANT 0)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 5610 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.028$ S/m; $\epsilon_r = 36.257$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.55, 4.55, 4.55); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Right Tilted/Area Scan (16x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.141 W/kg

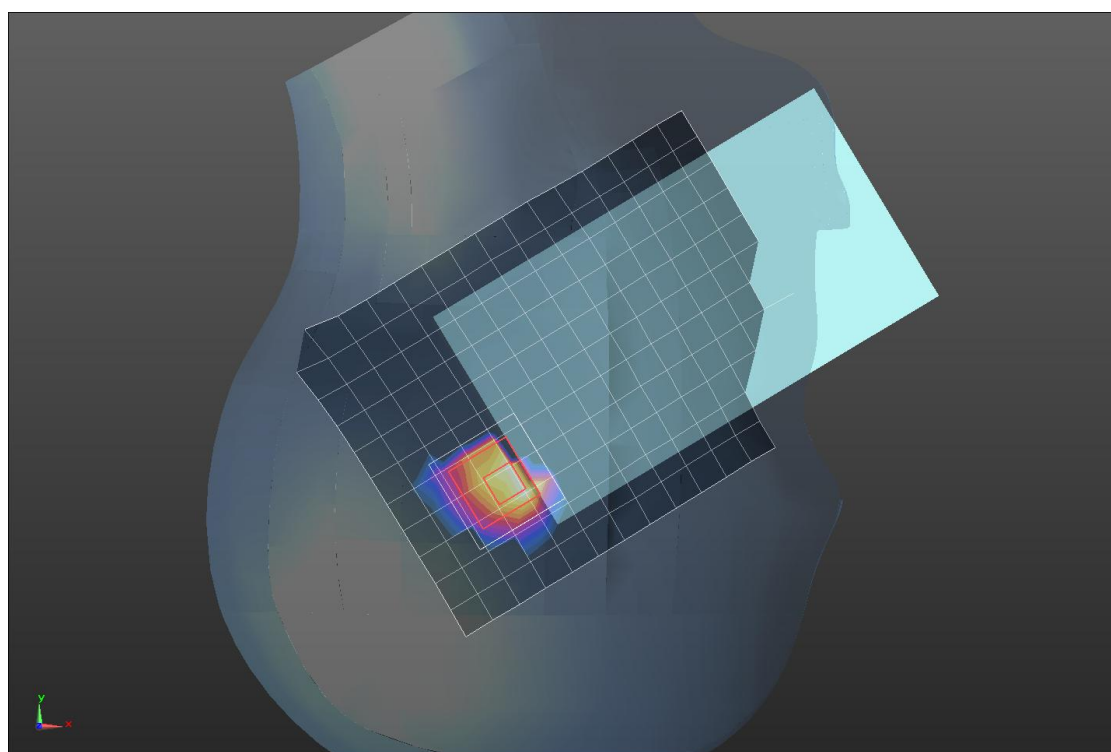
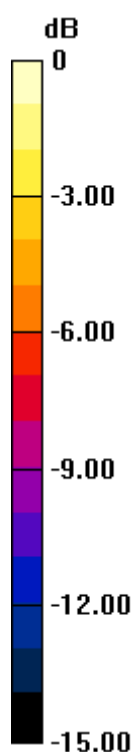
Head/Right Tilted/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.690 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.144 W/kg



0 dB = 0.144 W/kg = -8.42 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

122ch / 802.11ac VHT80 MCS0 (ANT 0)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 5610 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.969$ S/m; $\epsilon_r = 48.175$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.96, 3.96, 3.96); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (13x20x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.140 W/kg

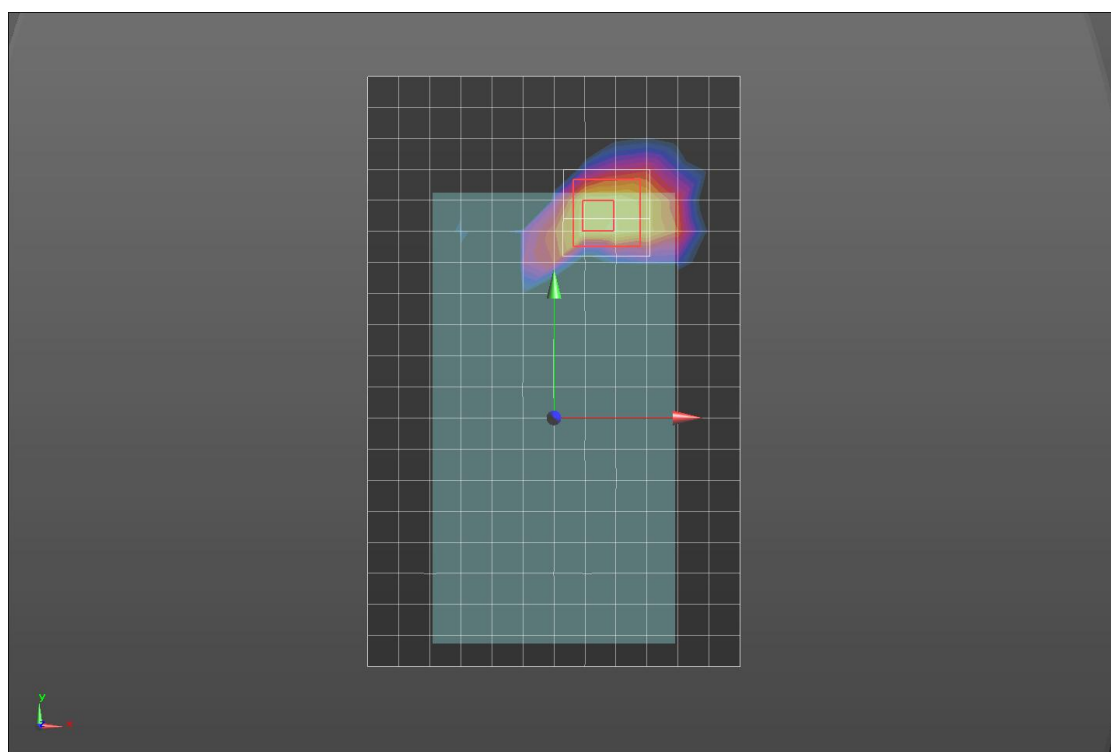
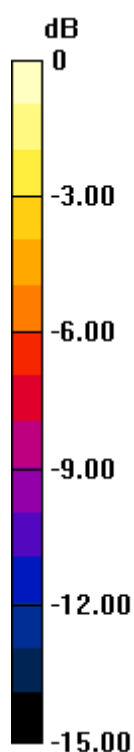
Body/Rear/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.133 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.028 W/kg

Maximum value of SAR (measured) = 0.216 W/kg



0 dB = 0.216 W/kg = -6.66 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

122ch / 802.11ac VHT80 MCS0 (ANT 1)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 5610 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.028$ S/m; $\epsilon_r = 36.257$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.55, 4.55, 4.55); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Left Touched/Area Scan (16x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0573 W/kg

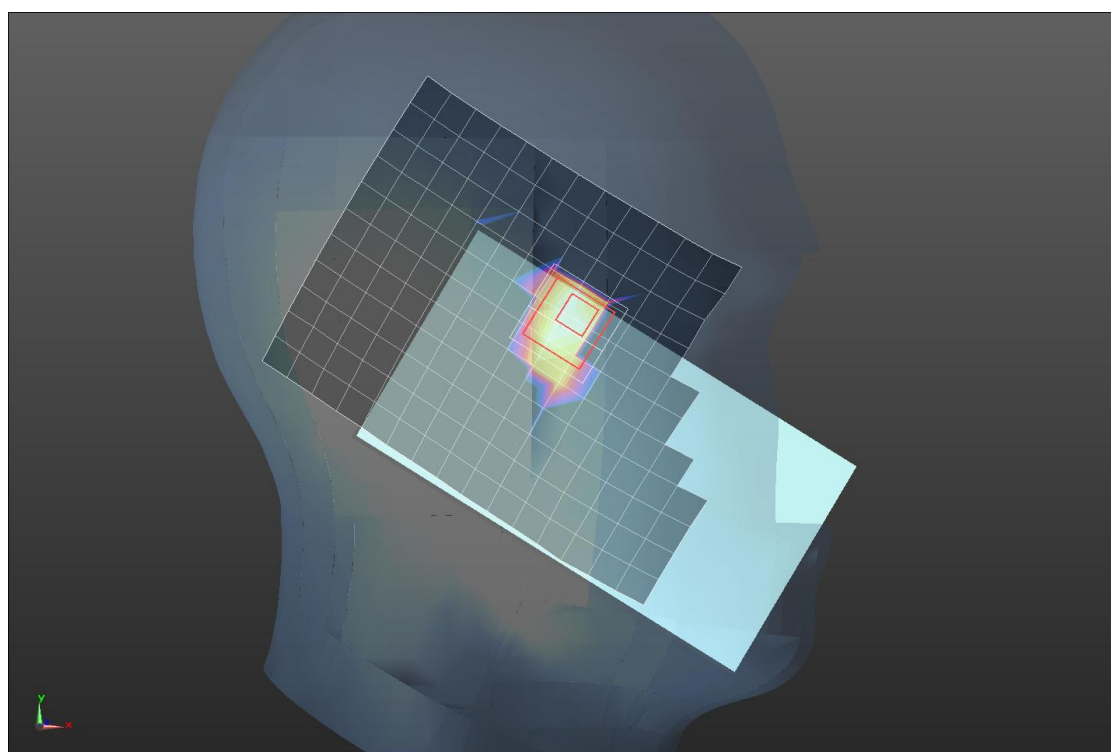
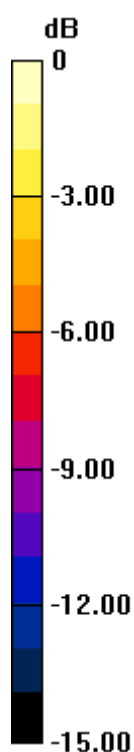
Head/Left Touched/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.560 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.0084 W/kg

Maximum value of SAR (measured) = 0.0551 W/kg



0 dB = 0.0551 W/kg = -12.59 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

122ch / 802.11ac VHT80 MCS0 (ANT 1)

DUT: Smart Phone; Type: 404SH; Serial: 004401/11/549860/8

Frequency: 5610 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.969$ S/m; $\epsilon_r = 48.175$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.96, 3.96, 3.96); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (13x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0687 W/kg

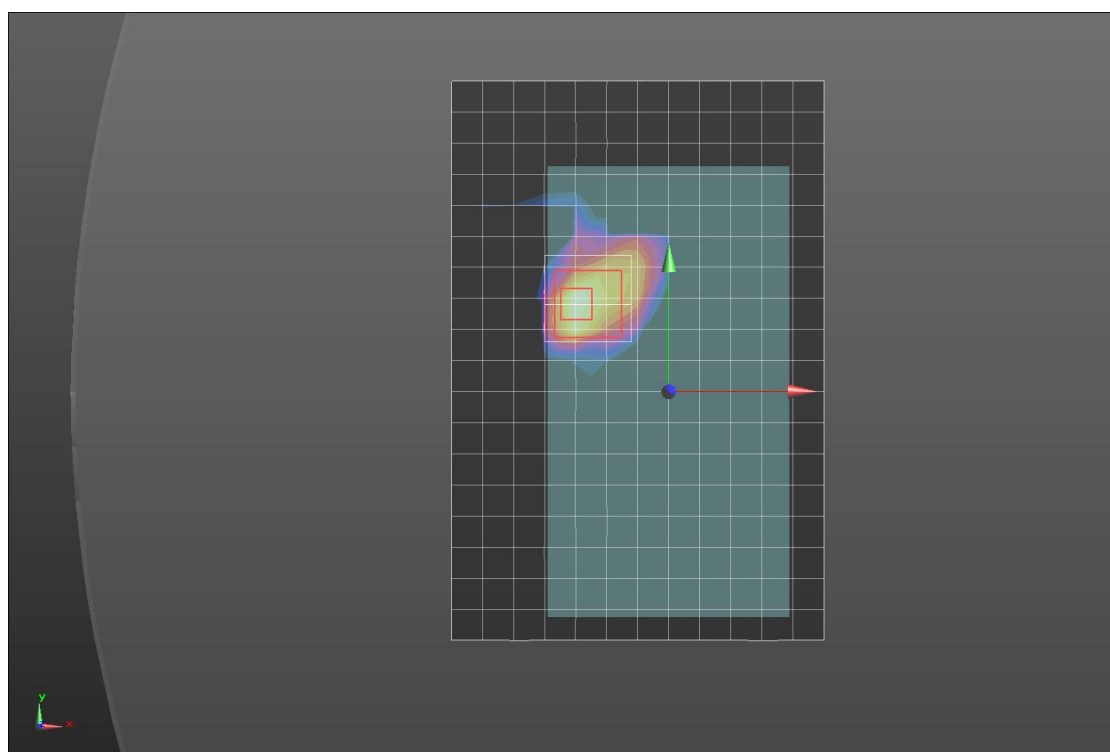
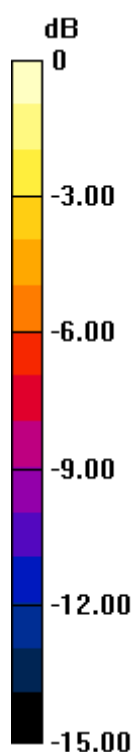
Body/Rear/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.534 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.00938 W/kg

Maximum value of SAR (measured) = 0.0654 W/kg



0 dB = 0.0654 W/kg = -11.84 dBW/kg