

Appendix 2 – Highest SAR Test Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

189ch / GSM 850 - GPRS 4slots

DUT: Cellular Phone; Type: SH-01J; Serial: 004401115831014

Frequency: 836.4 MHz; Duty Cycle: 1:2.08018

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 41.737$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(9.58, 9.58, 9.58); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- 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 (11x7x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.503 W/kg

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

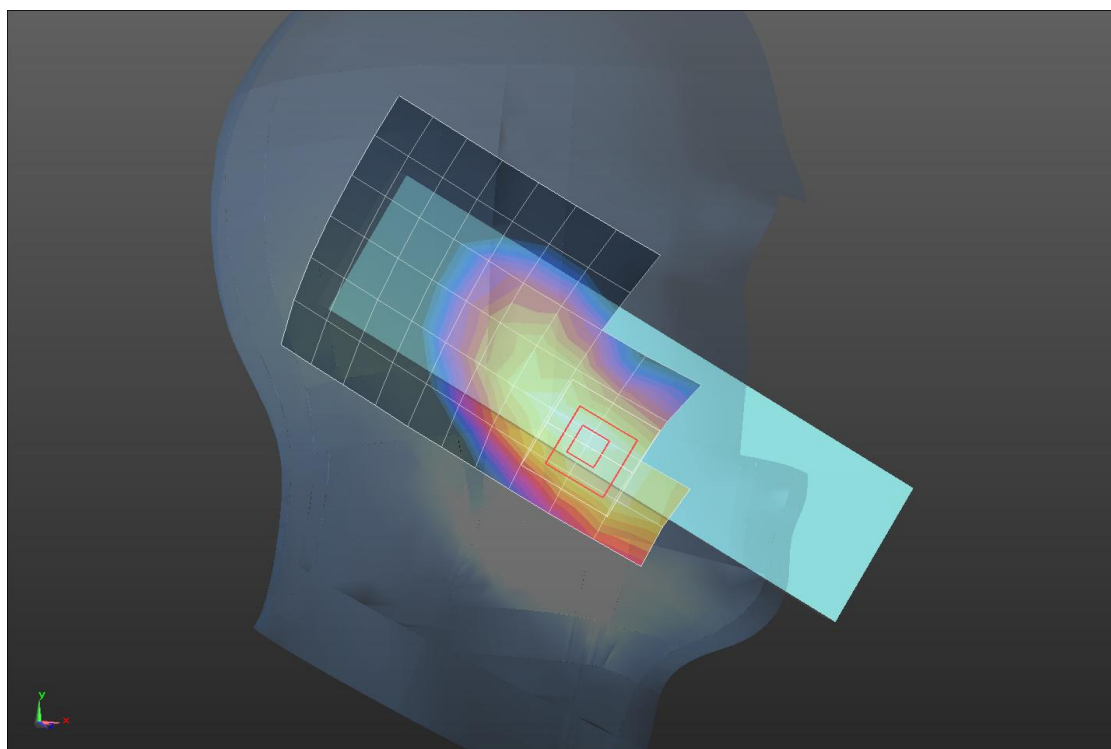
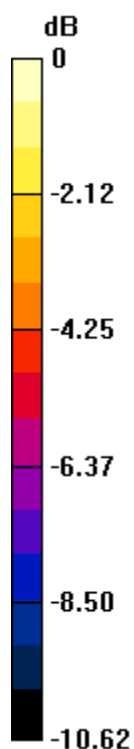
Reference Value = 19.25 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.284 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.525 W/kg



0 dB = 0.525 W/kg = -2.80 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

251ch / GSM 850 - GPRS 4slots

DUT: Cellular Phone; Type: SH-01J; Serial: 004401115831014

Frequency: 848.8 MHz; Duty Cycle: 1:2.08018

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

Medium parameters used: $f = 849 \text{ MHz}$; $\sigma = 1.003 \text{ S/m}$; $\epsilon_r = 54.913$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(10.15, 10.15, 10.15); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.874 W/kg

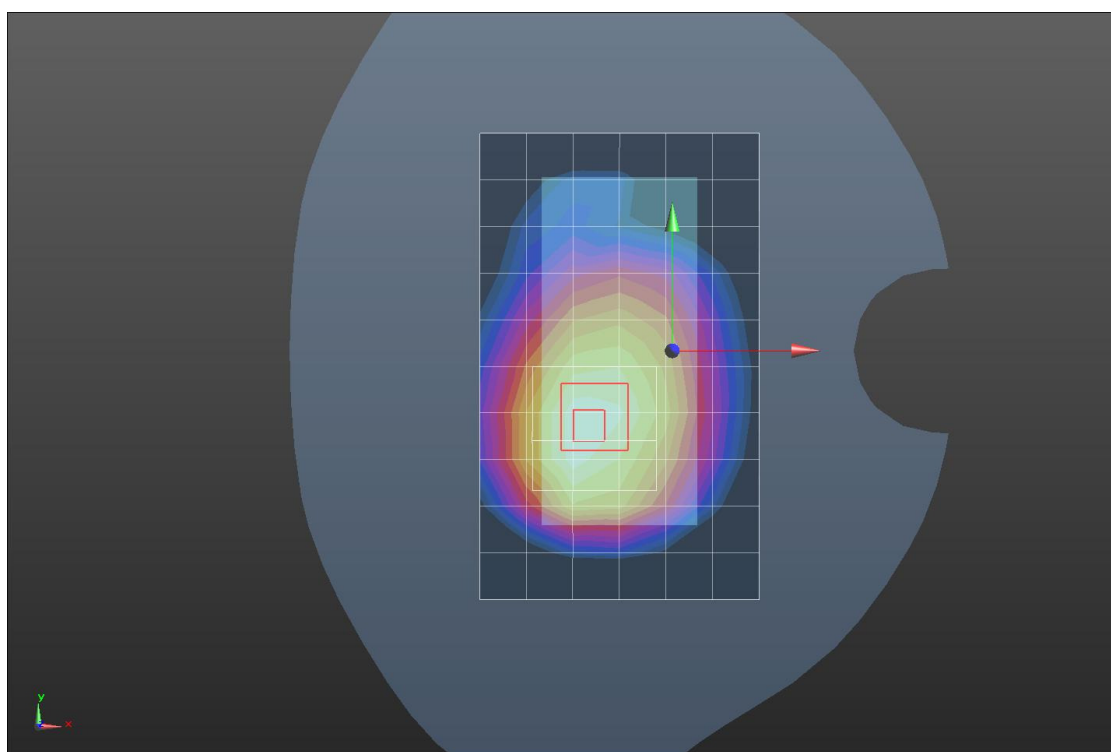
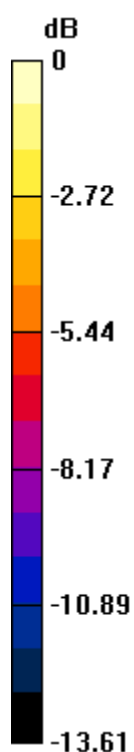
Body/Rear/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.54 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.516 W/kg

Maximum value of SAR (measured) = 0.956 W/kg



0 dB = 0.956 W/kg = -0.20 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slots

DUT: Cellular Phone; Type: SH-01J; Serial: 00440115831014

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; $\sigma = 1.41$ S/m; $\epsilon_r = 39.672$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(7.91, 7.91, 7.91); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- 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 (11x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.404 W/kg

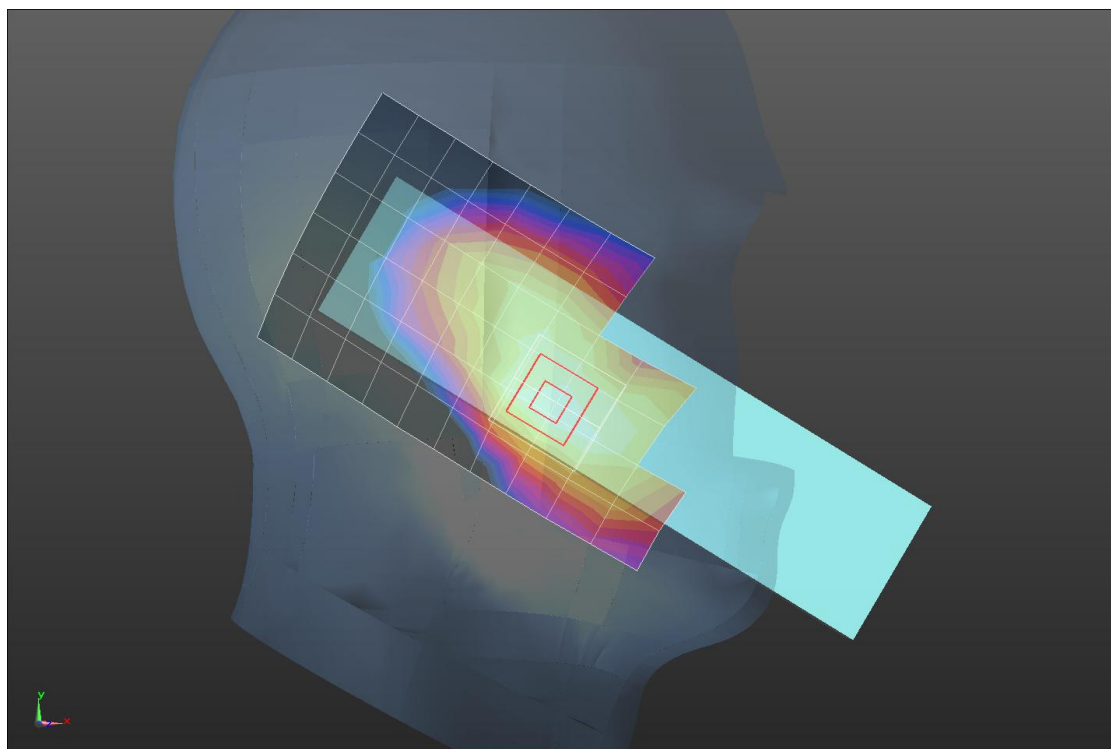
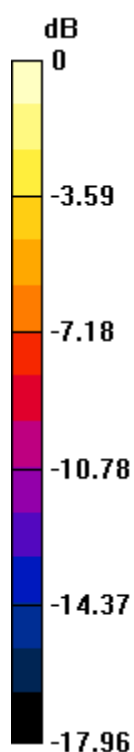
Head/Left Touched/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.74 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.200 W/kg

Maximum value of SAR (measured) = 0.411 W/kg



0 dB = 0.411 W/kg = -3.86 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slots

DUT: Cellular Phone; Type: SH-01J; Serial: 004401115831014

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; $\sigma = 1.523$ S/m; $\epsilon_r = 52.89$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(7.61, 7.61, 7.61); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.408 W/kg

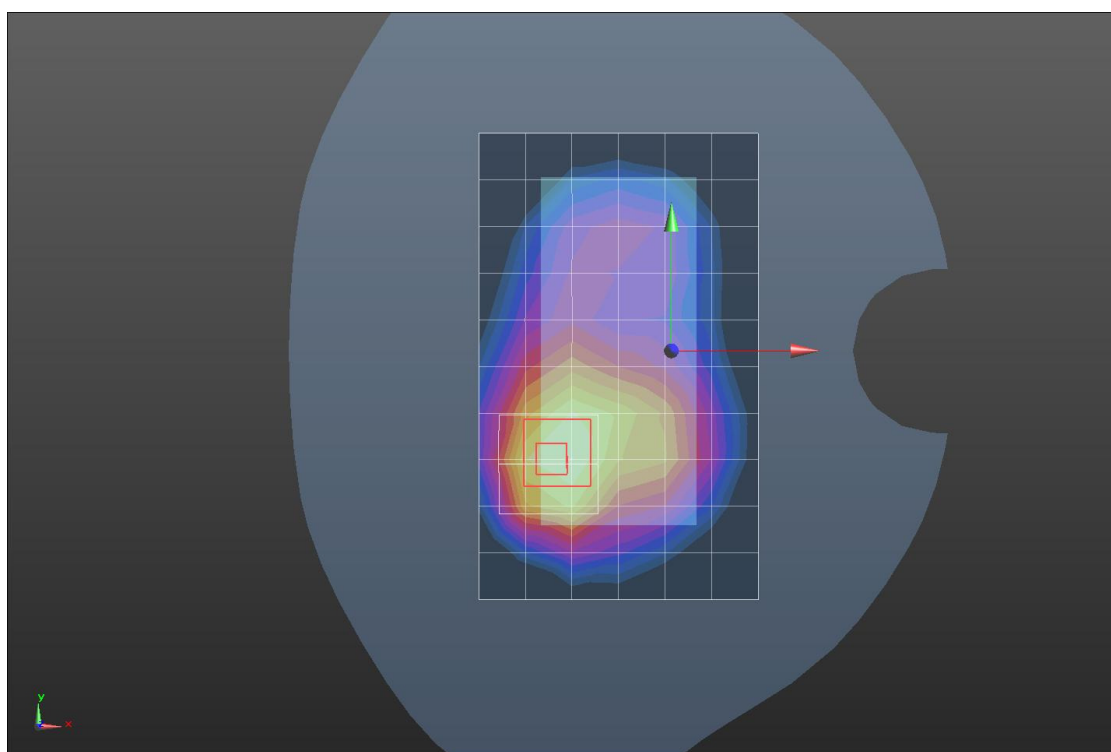
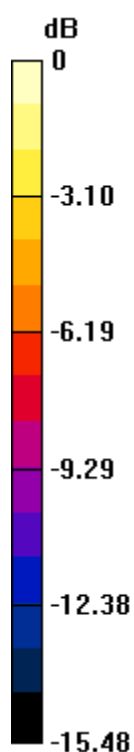
Body/Rear/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.090 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.645 W/kg

SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.508 W/kg



0 dB = 0.508 W/kg = -2.94 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

4182ch / W-CDMA Band V

DUT: Cellular Phone; Type: SH-01J; Serial: 004401115831014

Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 41.737$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(9.58, 9.58, 9.58); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- 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 (11x7x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.583 W/kg

Head/Left Touched/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

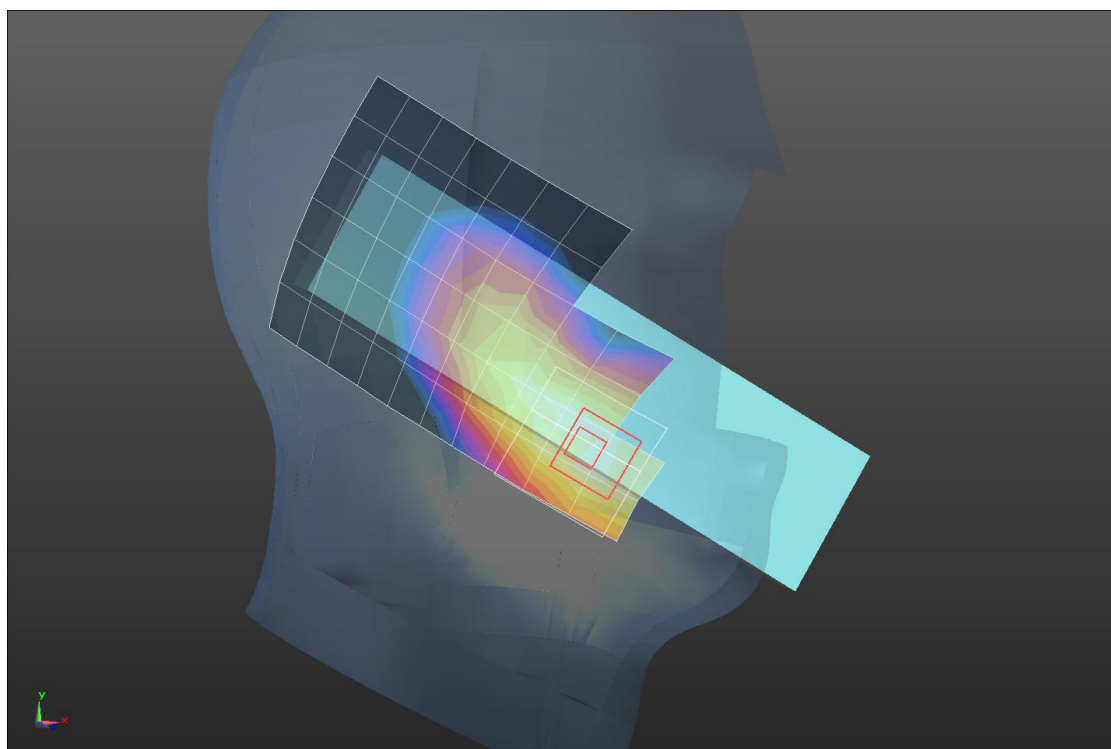
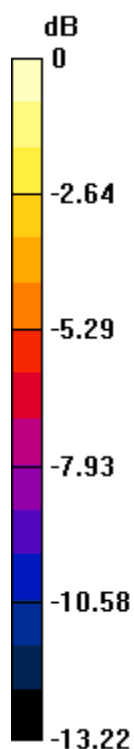
Reference Value = 18.94 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.363 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.644 W/kg



0 dB = 0.644 W/kg = -1.91 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

4182ch / W-CDMA Band V

DUT: Cellular Phone; Type: SH-01J; Serial: 004401115831014

Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 55.018$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(10.15, 10.15, 10.15); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.827 W/kg

Body/Rear/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

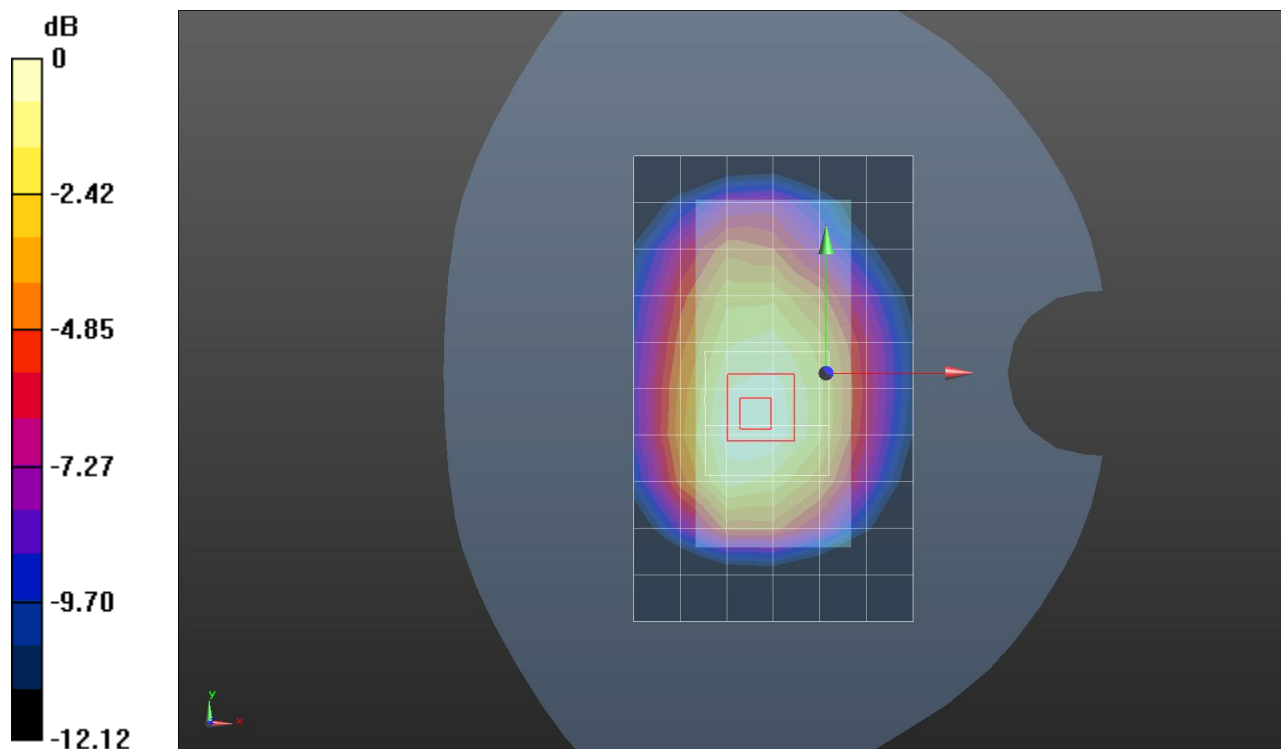
Reference Value = 28.01 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.522 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.864 W/kg



0 dB = 0.864 W/kg = -0.63 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: SH-01J; Serial: 00440115831014

Frequency: 2437 MHz; Duty Cycle: 1:1

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 39.12$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(7.15, 7.15, 7.15); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- 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 (14x9x1): Measurement grid: dx=12mm, dy=12mm

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

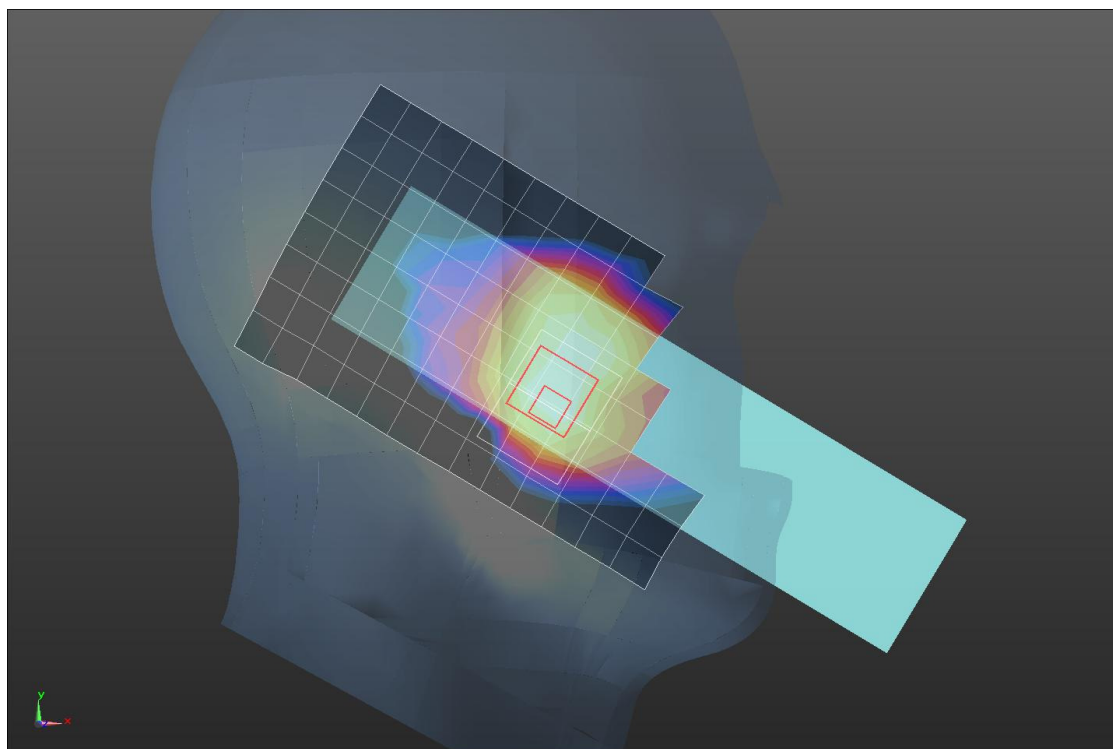
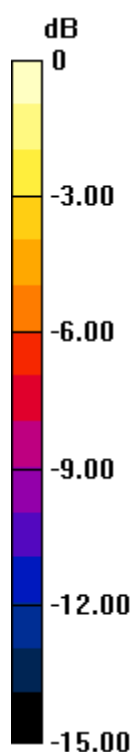
Head/Left Touched/Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.594 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.048 W/kg

Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.116 W/kg = -9.36 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: SH-01J; Serial: 004401115831014

Frequency: 2437 MHz; Duty Cycle: 1:1

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.929$ S/m; $\epsilon_r = 52.836$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(7.3, 7.3, 7.3); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (9x14x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.133 W/kg

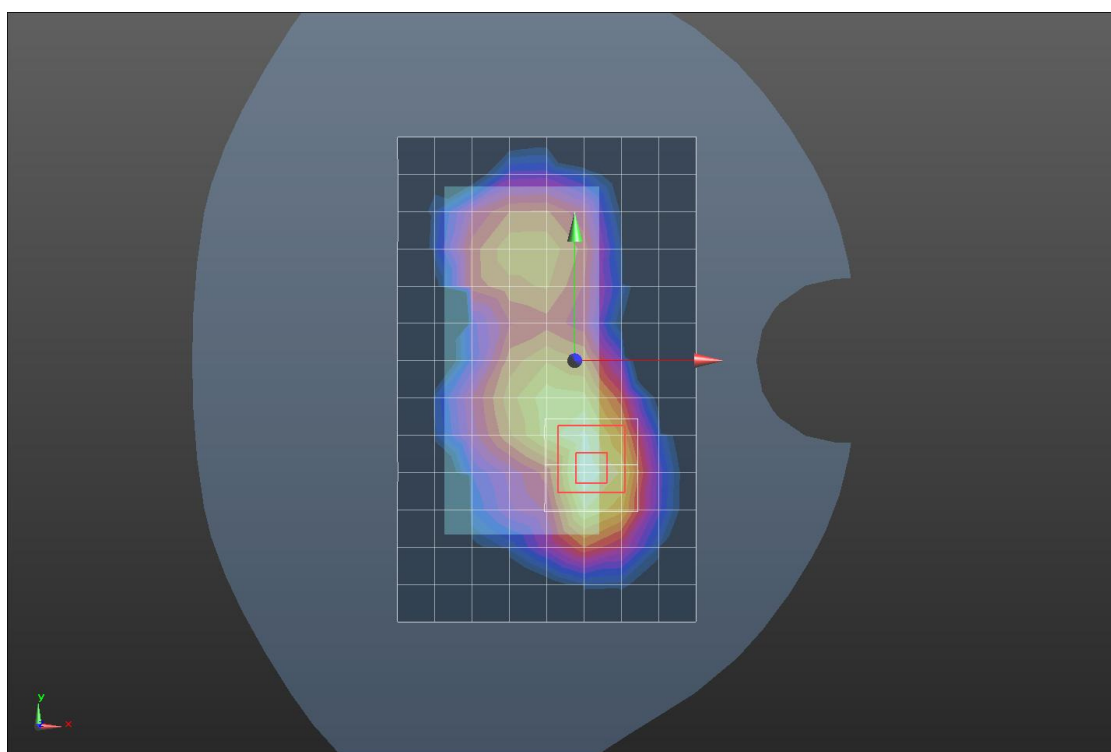
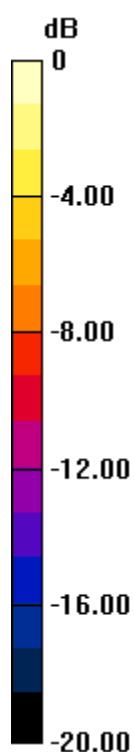
Body/Rear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.942 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.041 W/kg

Maximum value of SAR (measured) = 0.133 W/kg



0 dB = 0.133 W/kg = -8.76 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

6ch / 802.11b 1Mbps

DUT: Cellular Phone; Type: SH-01J; Serial: 004401115831014

Frequency: 2437 MHz; Duty Cycle: 1:1

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.929$ S/m; $\epsilon_r = 52.836$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7372; ConvF(7.3, 7.3, 7.3); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Edge 2/Area Scan (9x14x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.160 W/kg

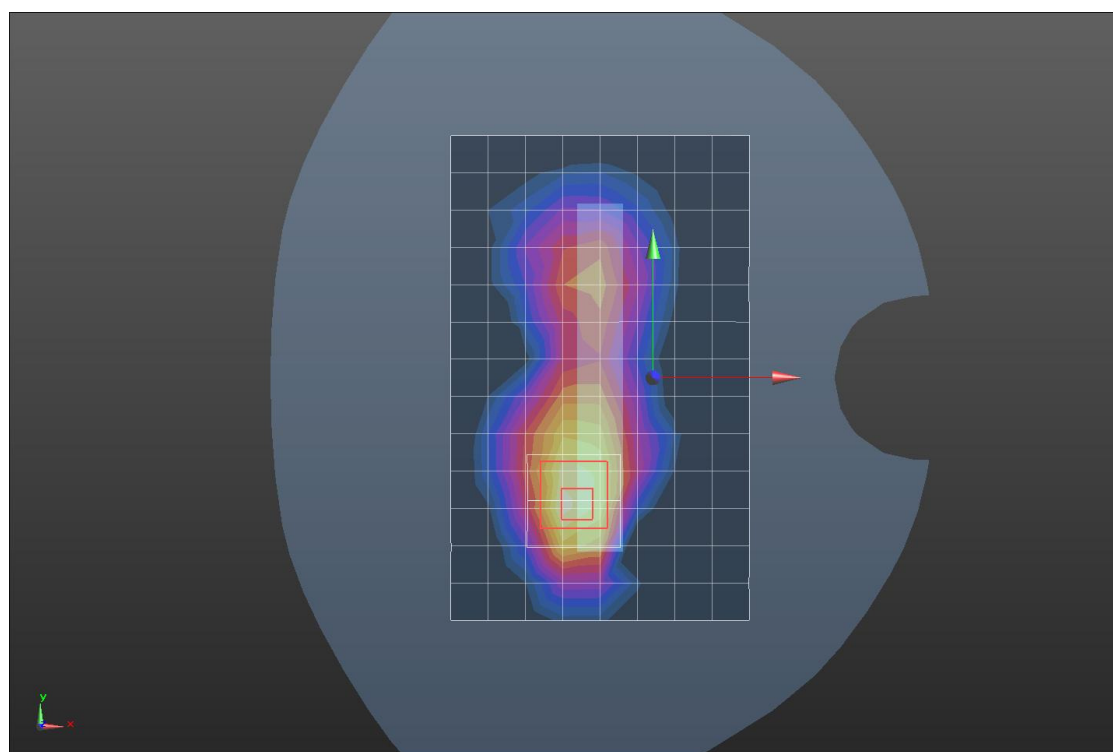
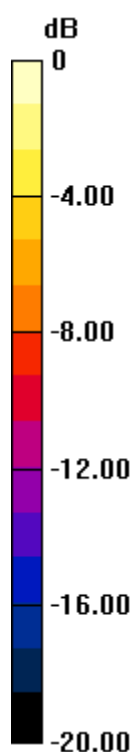
Body/Edge 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.091 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.054 W/kg

Maximum value of SAR (measured) = 0.188 W/kg



0 dB = 0.188 W/kg = -7.26 dBW/kg