

Appendix 2 – Highest SAR Test Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

189ch / GSM 850 - GPRS 4slots

DUT: Smart Phone; Type: 507SH; Serial: 004401/11/576722/6

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; $\sigma = 0.903$ S/m; $\epsilon_r = 40.813$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.4, 6.4, 6.4); Calibrated: 8/12/2015;
- Sensor-Surface: 4mm (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 (11x8x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.248 W/kg

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

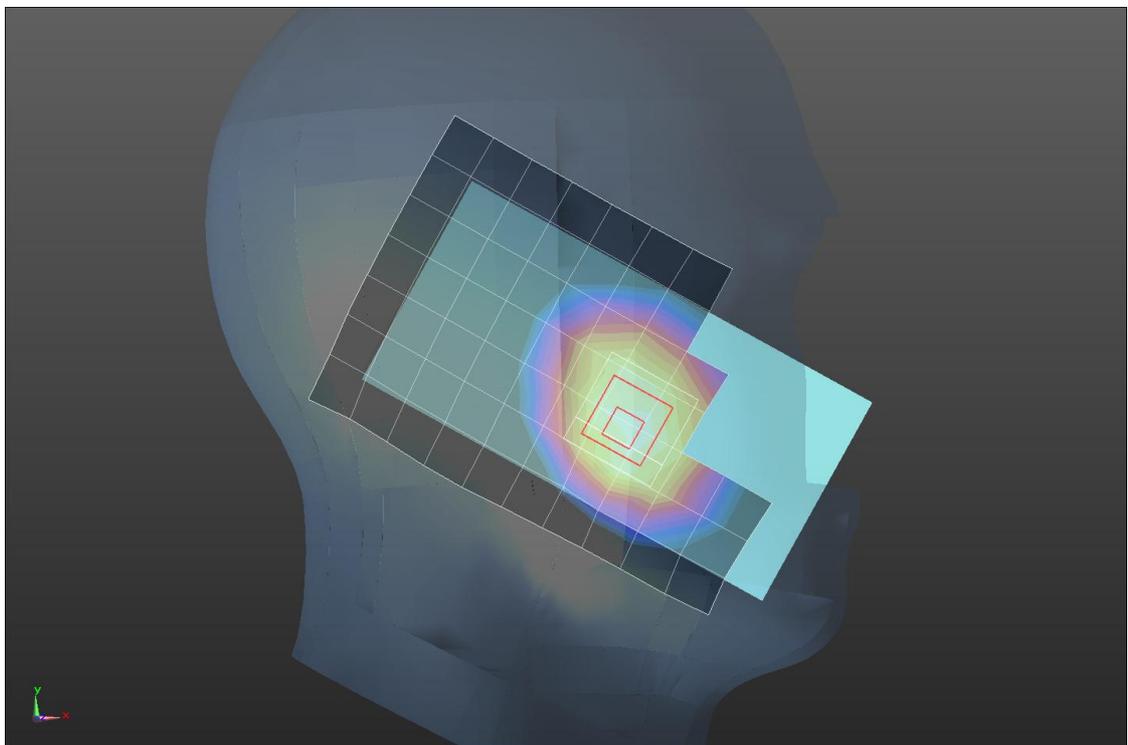
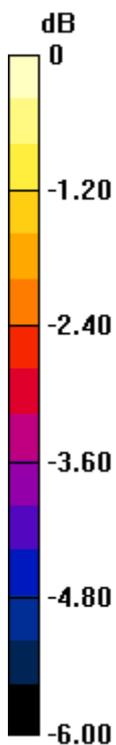
Reference Value = 17.28 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.180 W/kg

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

Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg = -6.04 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

189ch / GSM 850 - GPRS 4slots

DUT: Smart Phone; Type: 507SH; Serial: 004401/11/576722/6

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; $\sigma = 0.992$ S/m; $\epsilon_r = 54.705$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.33, 6.33, 6.33); Calibrated: 8/12/2015;
- Sensor-Surface: 4mm (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 (8x13x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.372 W/kg

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

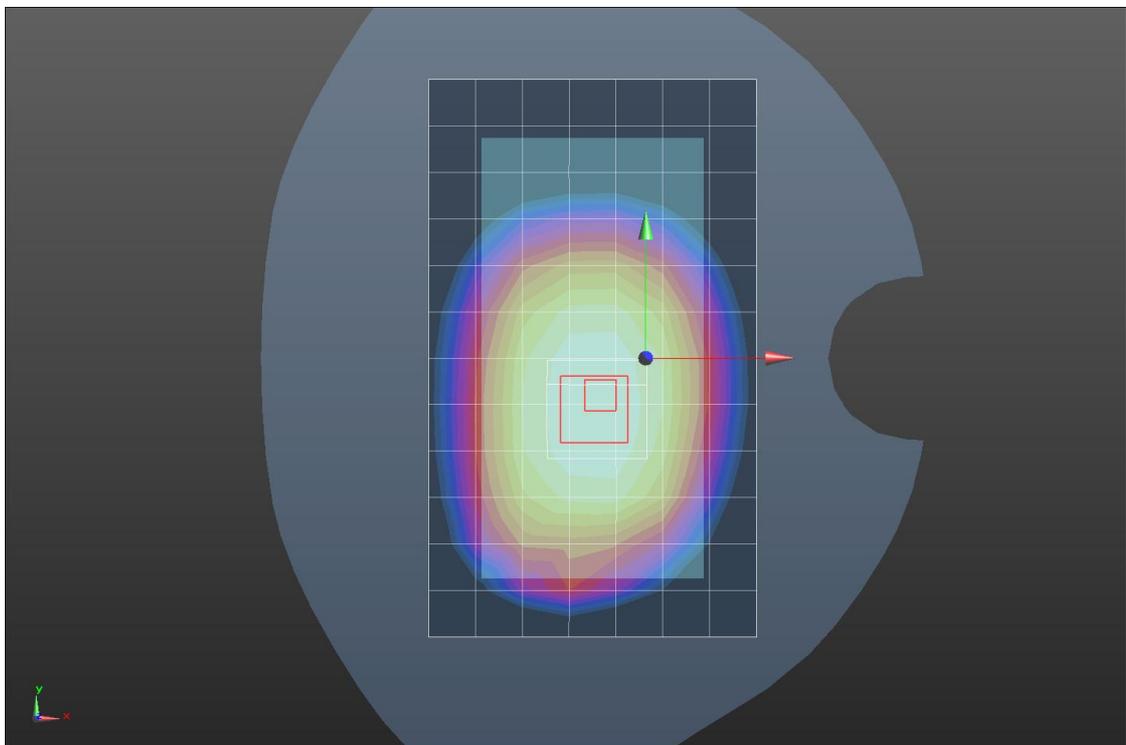
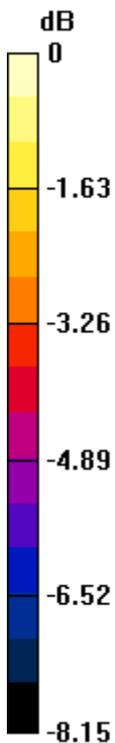
Reference Value = 20.04 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.281 W/kg

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

Maximum value of SAR (measured) = 0.373 W/kg



0 dB = 0.373 W/kg = -4.28 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slots

DUT: Smart Phone; Type: 507SH; Serial: 004401/11/576722/6

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; $\sigma = 1.372$ S/m; $\epsilon_r = 39.865$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(5.08, 5.08, 5.08); Calibrated: 8/12/2015;
- Sensor-Surface: 4mm (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/Right Touched/Area Scan (12x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.337 W/kg

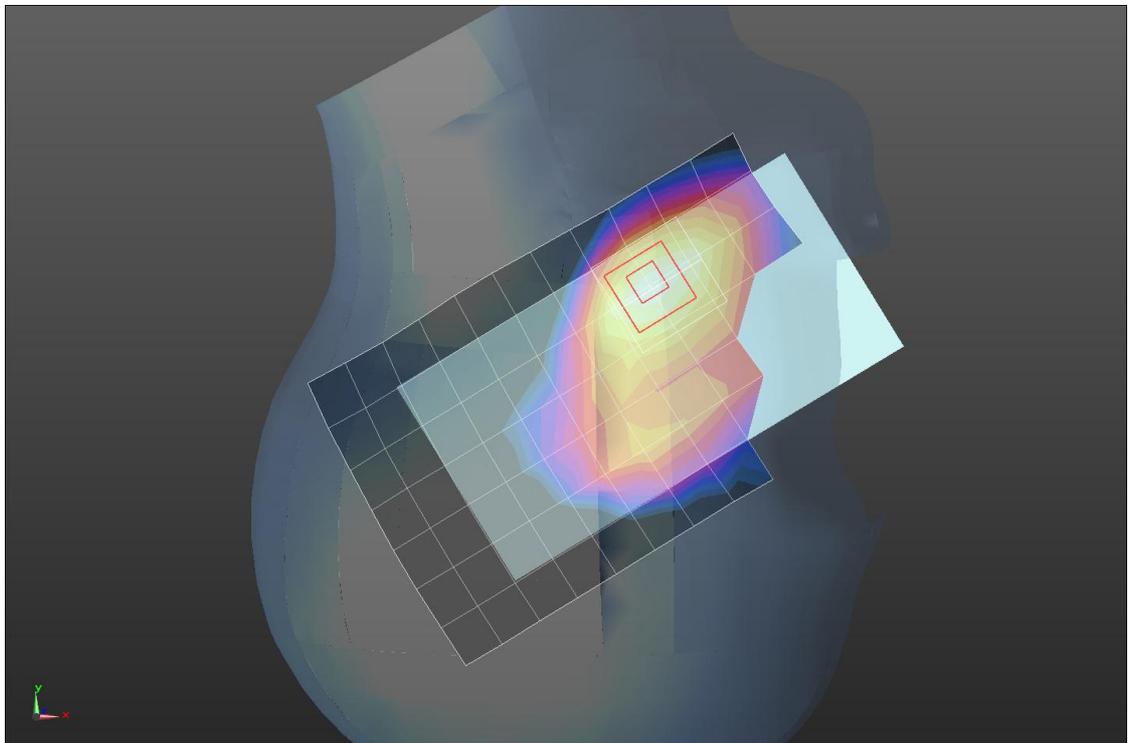
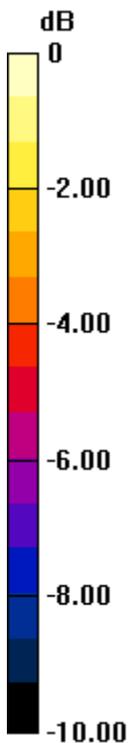
Head/Right Touched/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.30 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg = -4.87 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slots

DUT: Smart Phone; Type: 507SH; Serial: 004401/11/576722/6

Frequency: 1880 MHz; Duty Cycle: 1:2.08018

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.508 \text{ S/m}$; $\epsilon_r = 52.75$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.6, 4.6, 4.6); Calibrated: 8/12/2015;
- Sensor-Surface: 4mm (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 (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.426 W/kg

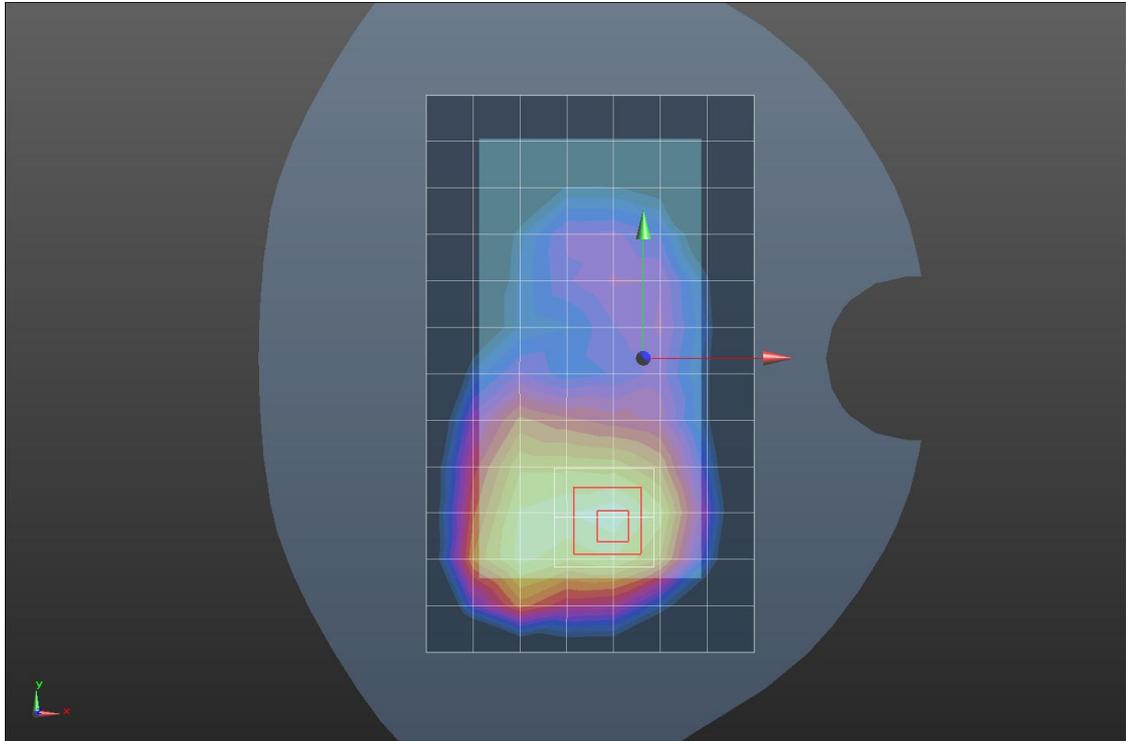
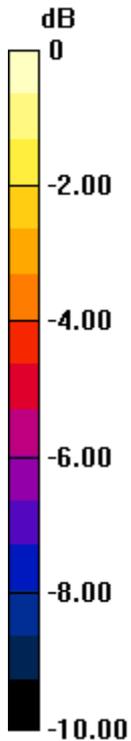
Body/Rear/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.85 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.577 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 0.441 W/kg



0 dB = 0.441 W/kg = -3.56 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

1ch / 802.11b 1Mbps

DUT: Smart Phone; Type: 507SH; Serial: 004401/11/576722/6

Frequency: 2412 MHz; Duty Cycle: 1:1

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

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.805$ S/m; $\epsilon_r = 37.919$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7321; ConvF(7, 7, 7); Calibrated: 8/18/2015;
- 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/Right Touched/Area Scan (14x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.591 W/kg

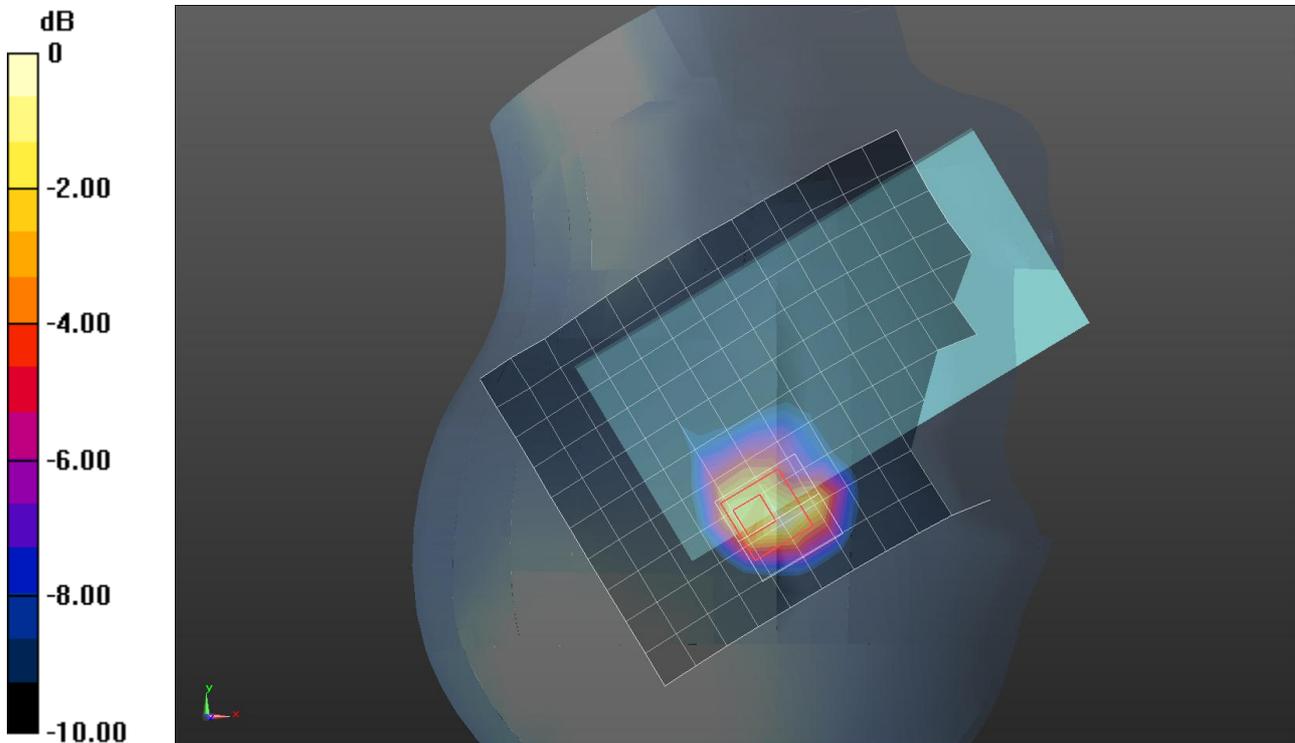
Head/Right Touched/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.522 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.876 W/kg

SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.605 W/kg



0 dB = 0.605 W/kg = -2.18 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

1ch / 802.11b 1Mbps

DUT: Smart Phone; Type: 507SH; Serial: 004401/11/576722/6

Frequency: 2412 MHz; Duty Cycle: 1:1

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

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.923 \text{ S/m}$; $\epsilon_r = 51.757$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7321; ConvF(7.09, 7.09, 7.09); Calibrated: 8/18/2015;
- 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 (10x15x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.322 W/kg

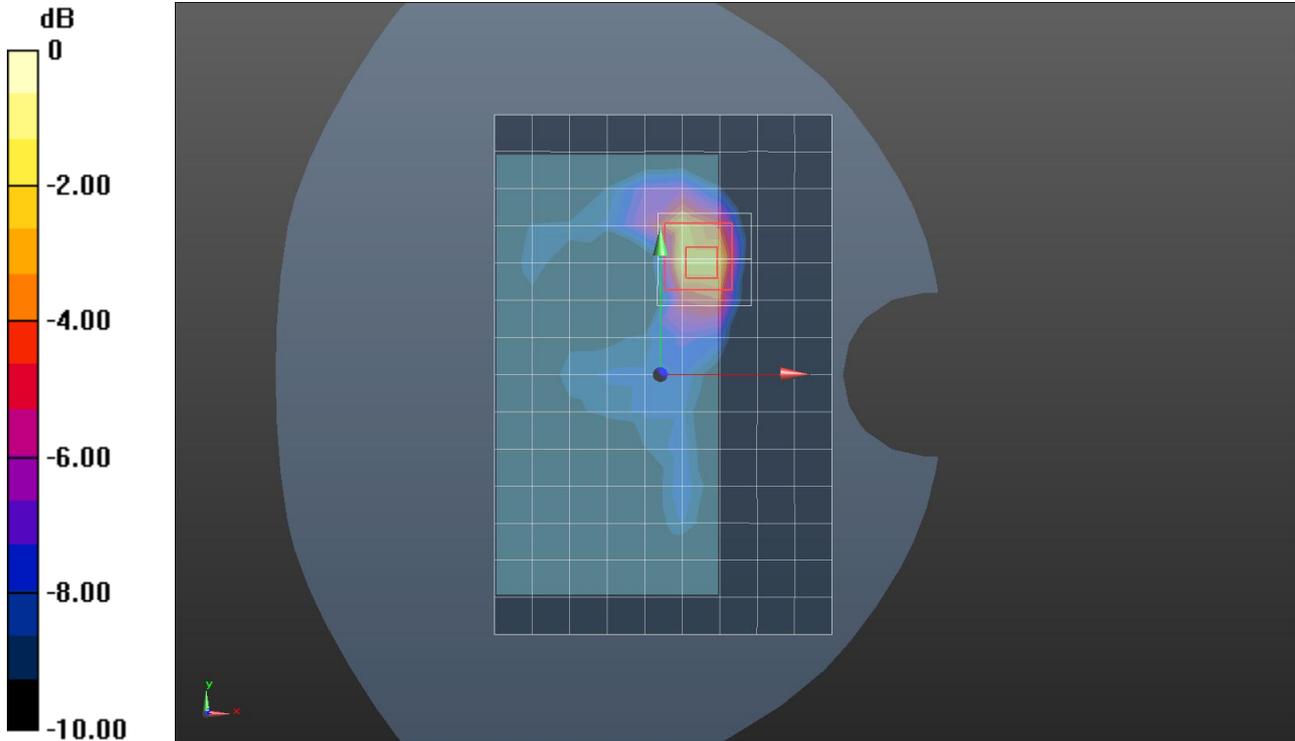
Body/Rear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.08 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.652 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.490 W/kg



0 dB = 0.490 W/kg = -3.10 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

0ch / Bluetooth (GFSK, DH5)

DUT: Smart Phone; Type: 507SH; Serial: 004401/11/576722/6

Frequency: 2402 MHz; Duty Cycle: 1:1

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

Medium parameters used: $f = 2402$ MHz; $\sigma = 1.795$ S/m; $\epsilon_r = 37.955$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7321; ConvF(7, 7, 7); Calibrated: 8/18/2015;
- 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/Right Touched/Area Scan (14x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0901 W/kg

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

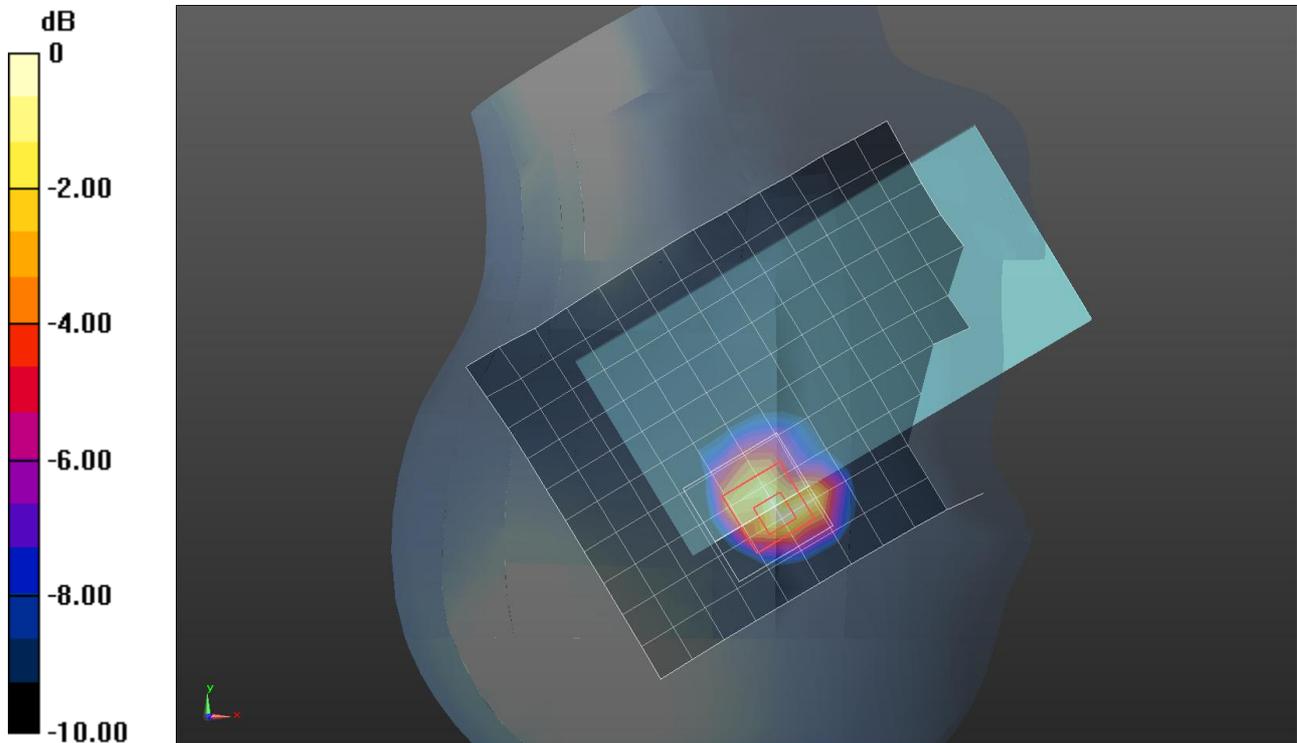
dz=5mm

Reference Value = 1.359 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.0934 W/kg



0 dB = 0.0934 W/kg = -10.30 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

0ch / Bluetooth (GFSK, DH5)

DUT: Smart Phone; Type: 507SH; Serial: 004401/11/576722/6

Frequency: 2402 MHz; Duty Cycle: 1:1

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

Medium parameters used: $f = 2402$ MHz; $\sigma = 1.91$ S/m; $\epsilon_r = 51.805$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7321; ConvF(7.09, 7.09, 7.09); Calibrated: 8/18/2015;
- 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 (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0624 W/kg

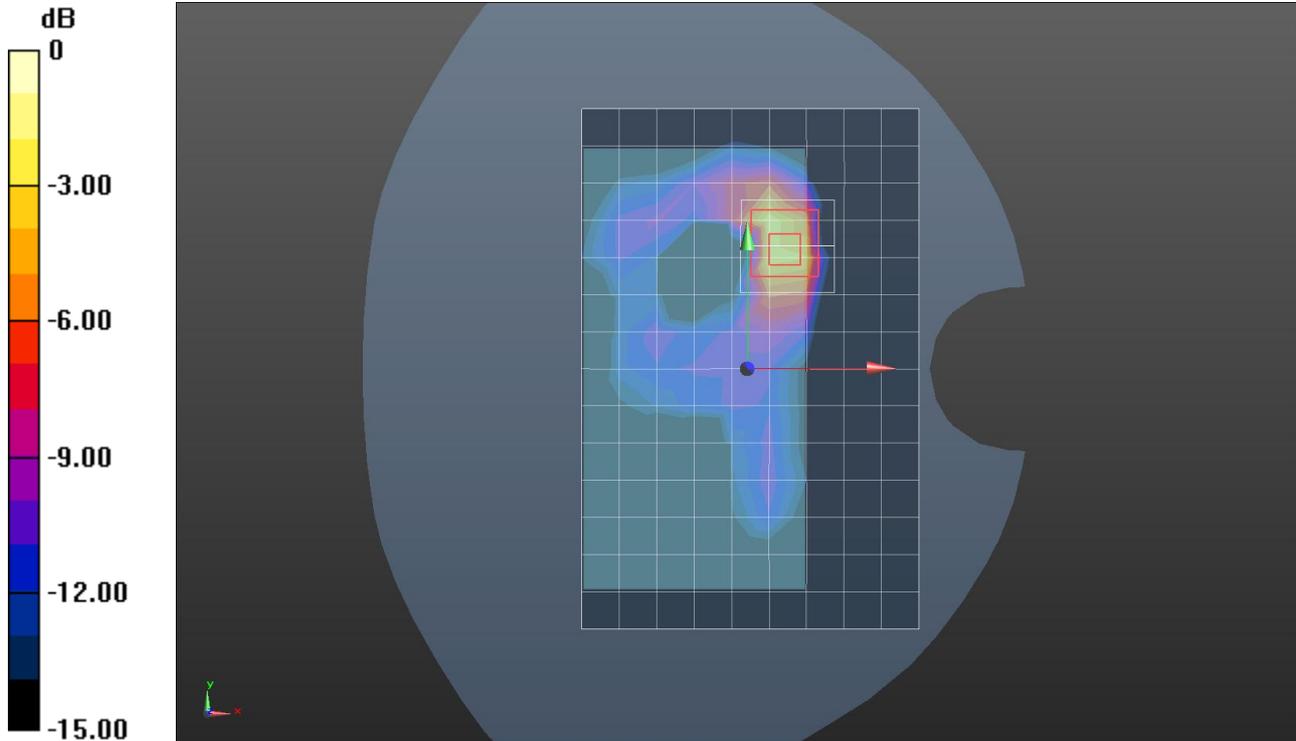
Body/Rear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.148 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.102 W/kg



0 dB = 0.102 W/kg = -9.91 dBW/kg