Appendix 2 – Highest SAR Test Plots

Date: 8/22/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

251ch / GSM 850 - GPRS 4slots

DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

Frequency: 848.8 MHz;Duty Cycle: 1:2.08018
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.93 S/m; ε_r = 41.634; ρ = 1000 kg/m^3

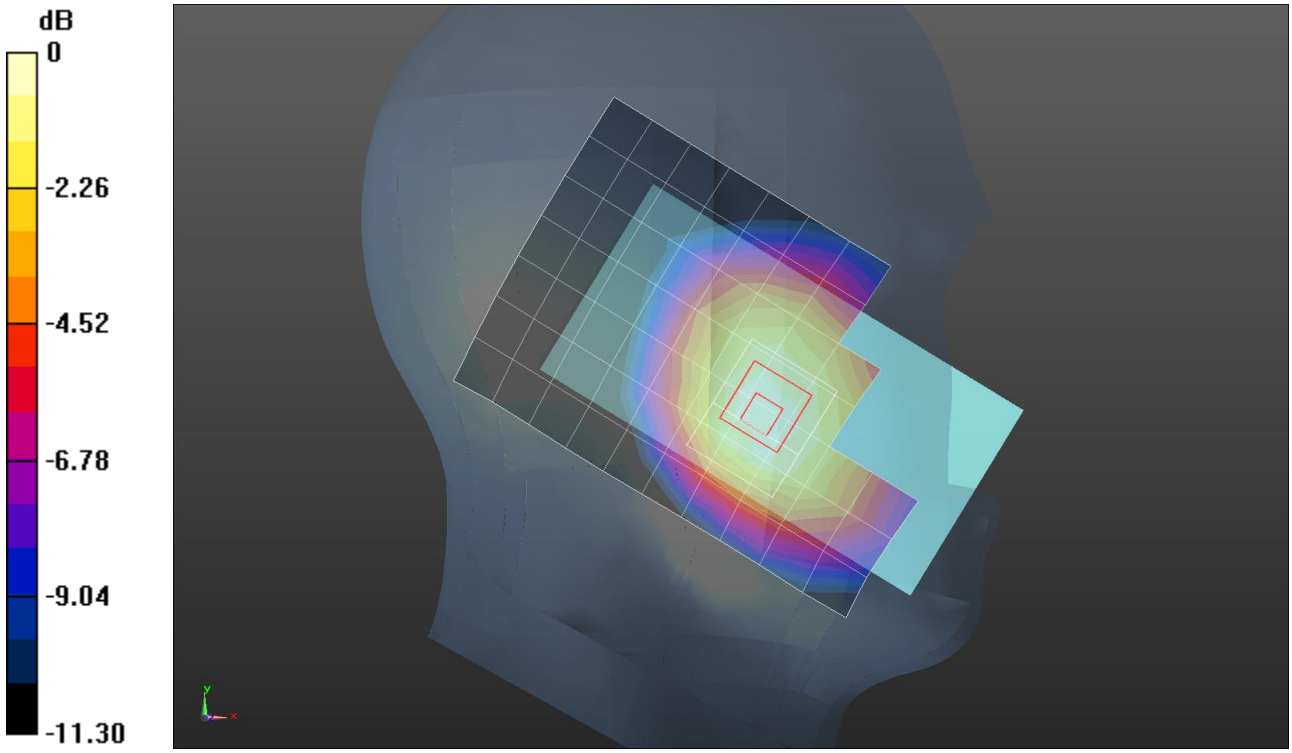
DASY5 Configuration:
- Probe: EX3DV4 - SN7372; ConvF(9.58, 9.58, 9.58); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Left Touched/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.555 W/kg

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

Reference Value = 24.58 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.658 W/kg
SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.382 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.589 W/kg



0 dB = 0.589 W/kg = -2.30 dBW/kg

Date: 8/18/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

251ch / GSM 850 - GPRS 4slots

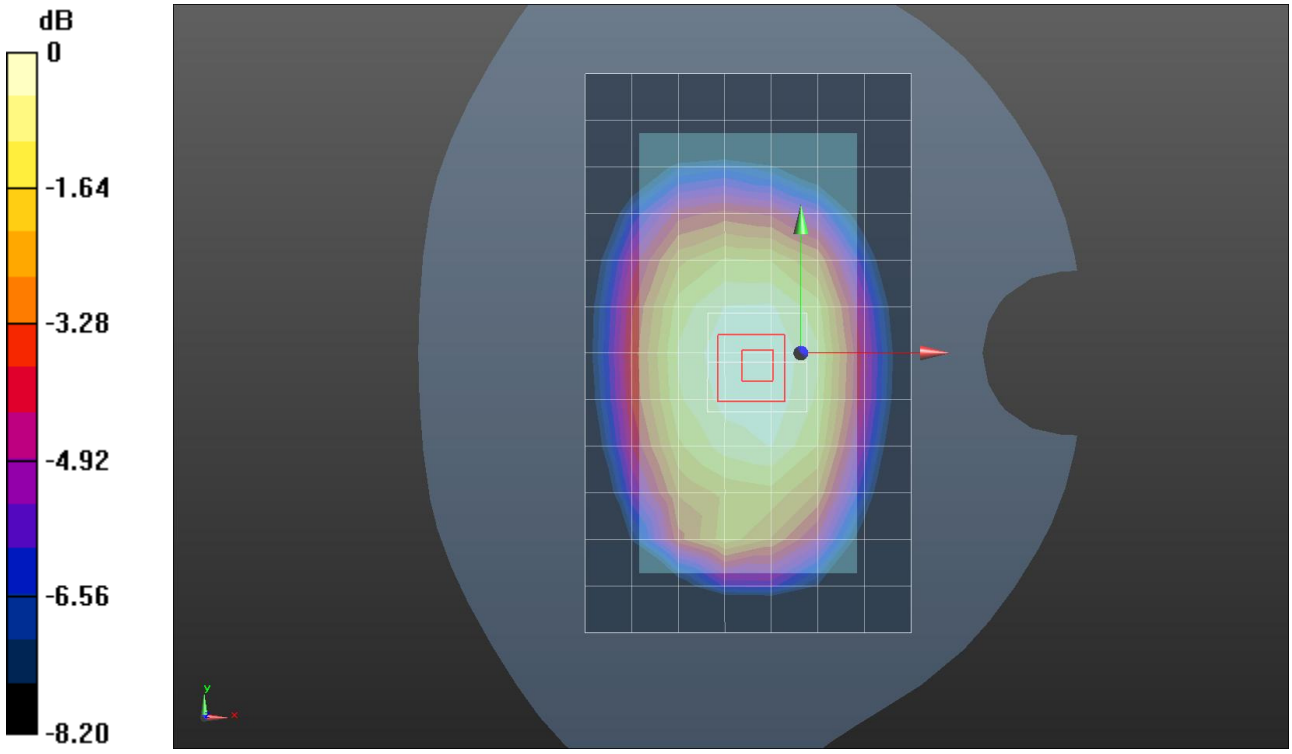
DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

Frequency: 848.8 MHz;Duty Cycle: 1:2.08018
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 848.8 MHz; σ = 1.003 S/m; ε_r = 54.635; ρ = 1000 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 (8x13x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.620 W/kg

Body/Rear/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.33 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.681 W/kg
SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.428 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg = -2.01 dBW/kg

Date: 8/23/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slots

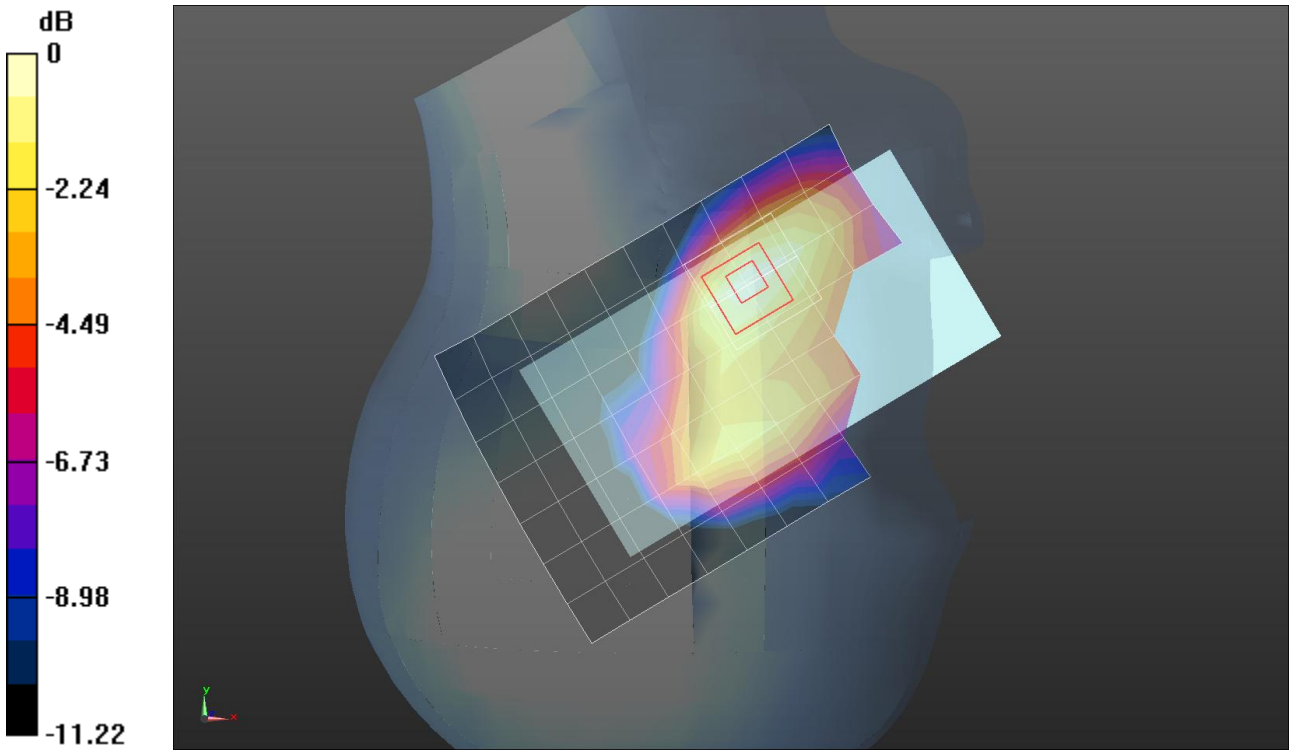
DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

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 = 1.385 S/m; ε_r = 39.515; ρ = 1000 kg/m^3

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/Right Touched/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.349 W/kg

Head/Right Touched/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.74 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.424 W/kg
SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.170 W/kg
Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg = -4.56 dBW/kg

Date: 8/23/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

661ch / PCS 1900 - GPRS 4slots

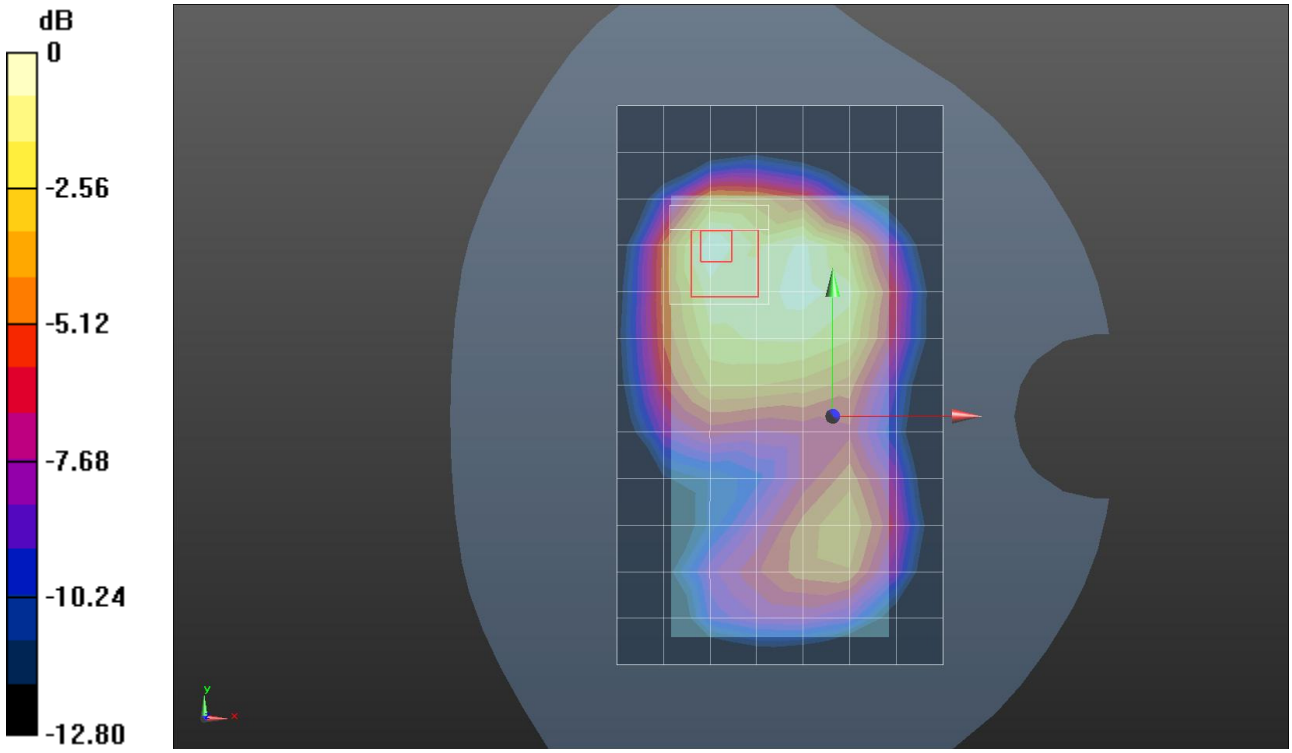
DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

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 = 1.525 S/m; ε_r = 52.677; ρ = 1000 kg/m^3

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/Front/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.567 W/kg

Body/Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.49 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.728 W/kg
SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.236 W/kg
Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.559 W/kg = -2.53 dBW/kg

Date: 8/26/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

4182ch / W-CDMA Band V

DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

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; σ = 0.917 S/m; ε_r = 41.908; ρ = 1000 kg/m^3

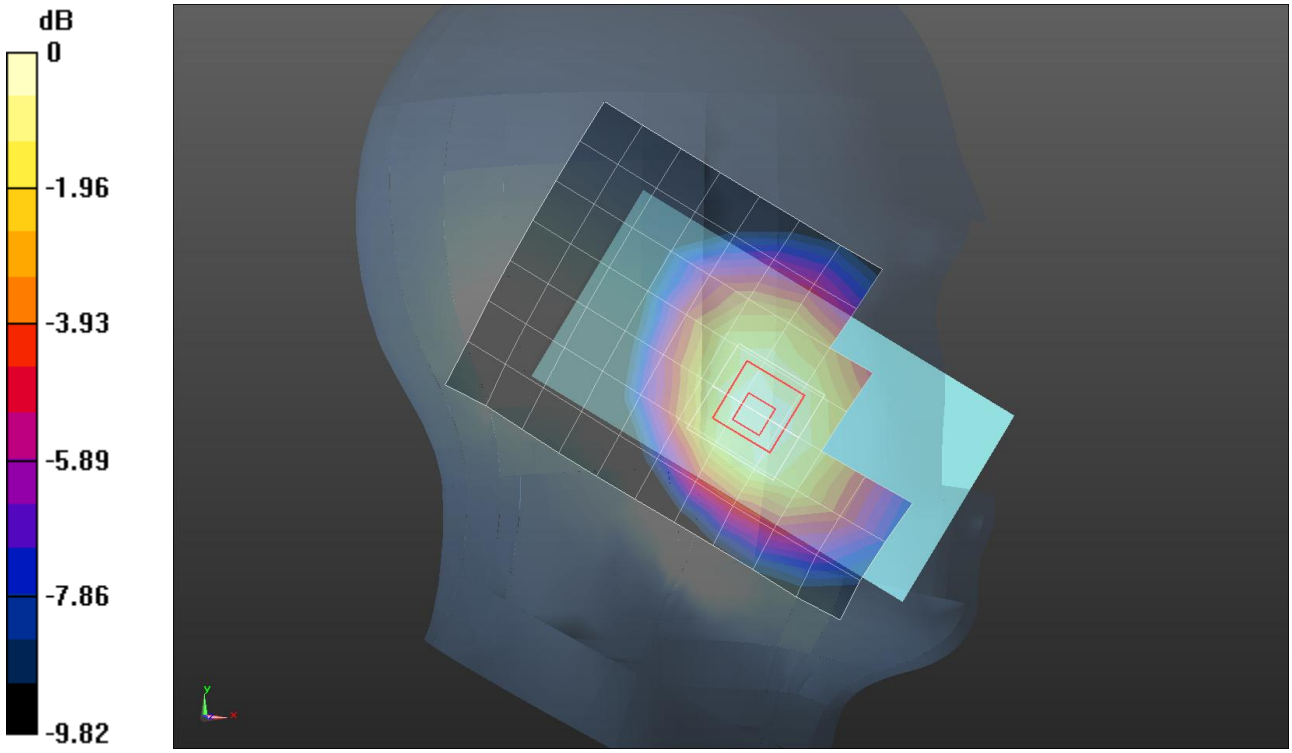
DASY5 Configuration:
- Probe: EX3DV4 - SN7372; ConvF(9.58, 9.58, 9.58); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Left Touched/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.528 W/kg

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

Reference Value = 24.36 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.610 W/kg
SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.363 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.551 W/kg



0 dB = 0.551 W/kg = -2.59 dBW/kg

Date: 8/18/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

4182ch / W-CDMA Band V

DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

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; σ = 0.99 S/m; ε_r = 54.733; ρ = 1000 kg/m^3

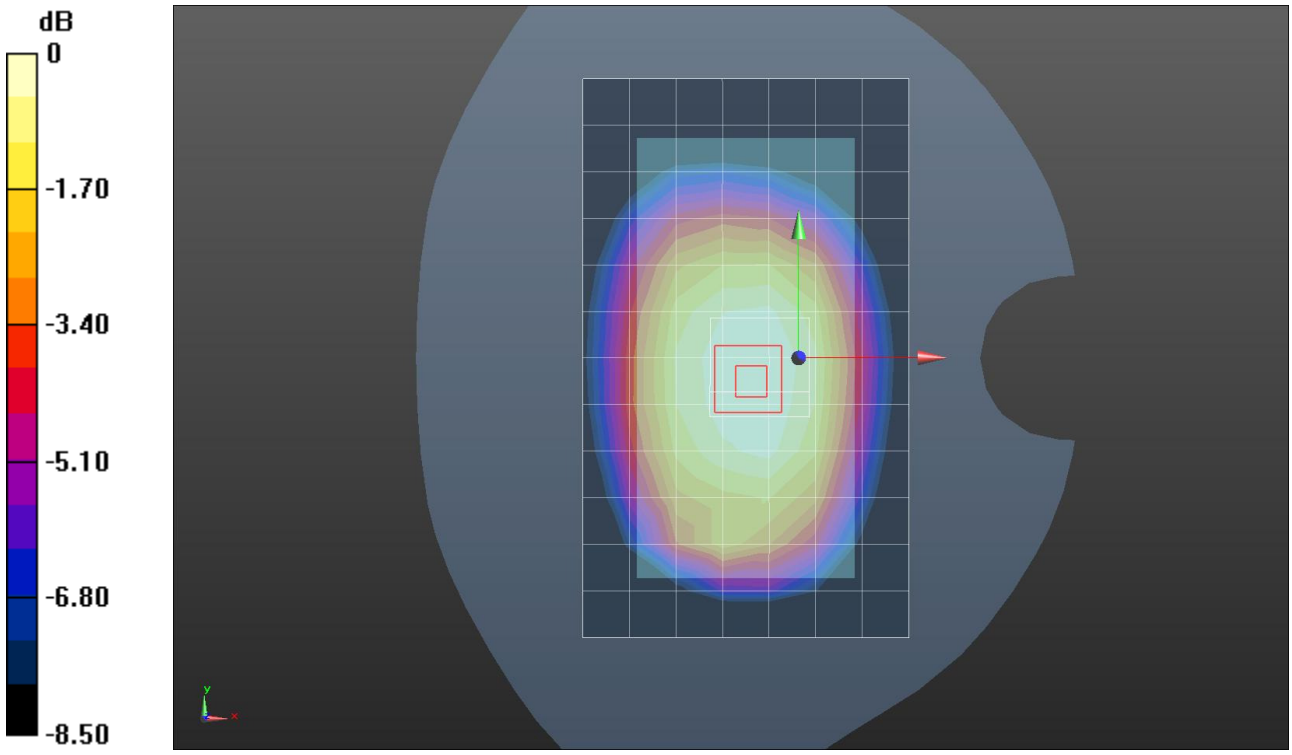
DASY5 Configuration:
- Probe: EX3DV4 - SN7372; ConvF(10.15, 10.15, 10.15); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.616 W/kg

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

Reference Value = 25.29 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.660 W/kg
SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.420 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.610 W/kg



0 dB = 0.610 W/kg = -2.15 dBW/kg

Date: 8/26/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

20525ch / LTE Band 5 - QPSK 10MHz BW, RB #1/25

DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

Frequency: 836.5 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.917 S/m; ε_r = 41.907; ρ = 1000 kg/m^3

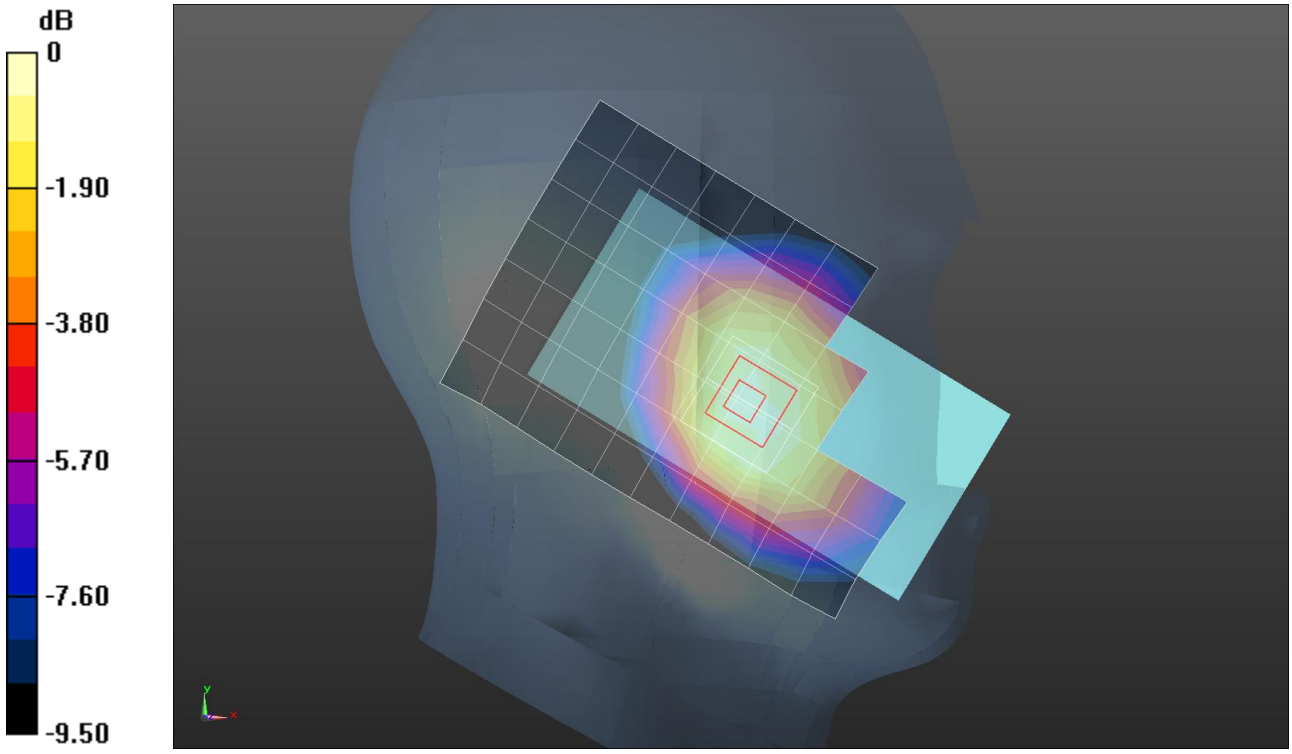
DASY5 Configuration:
- Probe: EX3DV4 - SN7372; ConvF(9.58, 9.58, 9.58); Calibrated: 3/15/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/23/2015
- Phantom: SAM v4.0 SN1194; Type: QD000P40CA; Serial: TP 1194
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Head/Left Touched/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.522 W/kg

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

Reference Value = 24.28 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.602 W/kg
SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.362 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.549 W/kg



0 dB = 0.549 W/kg = -2.60 dBW/kg

Date: 8/18/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

20525ch / LTE Band 5 - QPSK 10MHz BW, RB #1/25

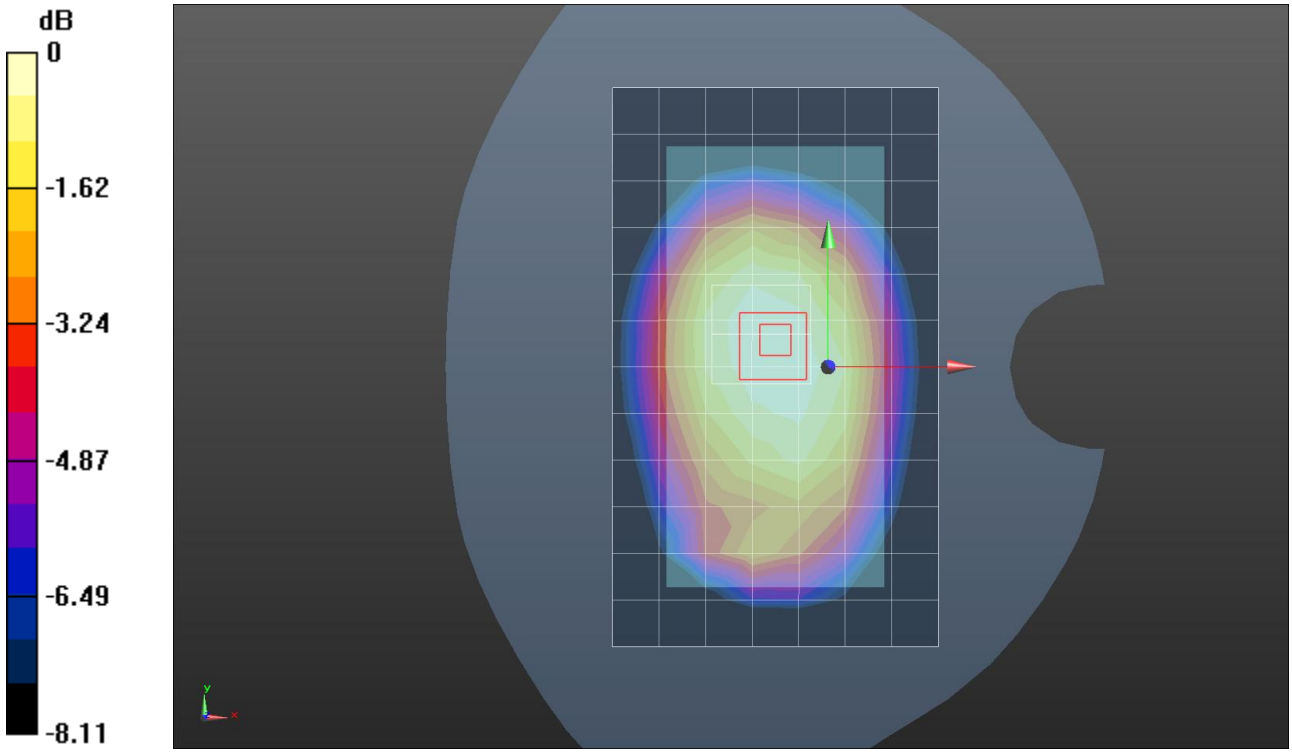
DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

Frequency: 836.5 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.99 S/m; ε_r = 54.732; ρ = 1000 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 (8x13x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.565 W/kg

Body/Rear/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.75 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.621 W/kg
SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.394 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.572 W/kg



0 dB = 0.572 W/kg = -2.43 dBW/kg

Date: 8/29/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

11ch / 802.11b 1Mbps

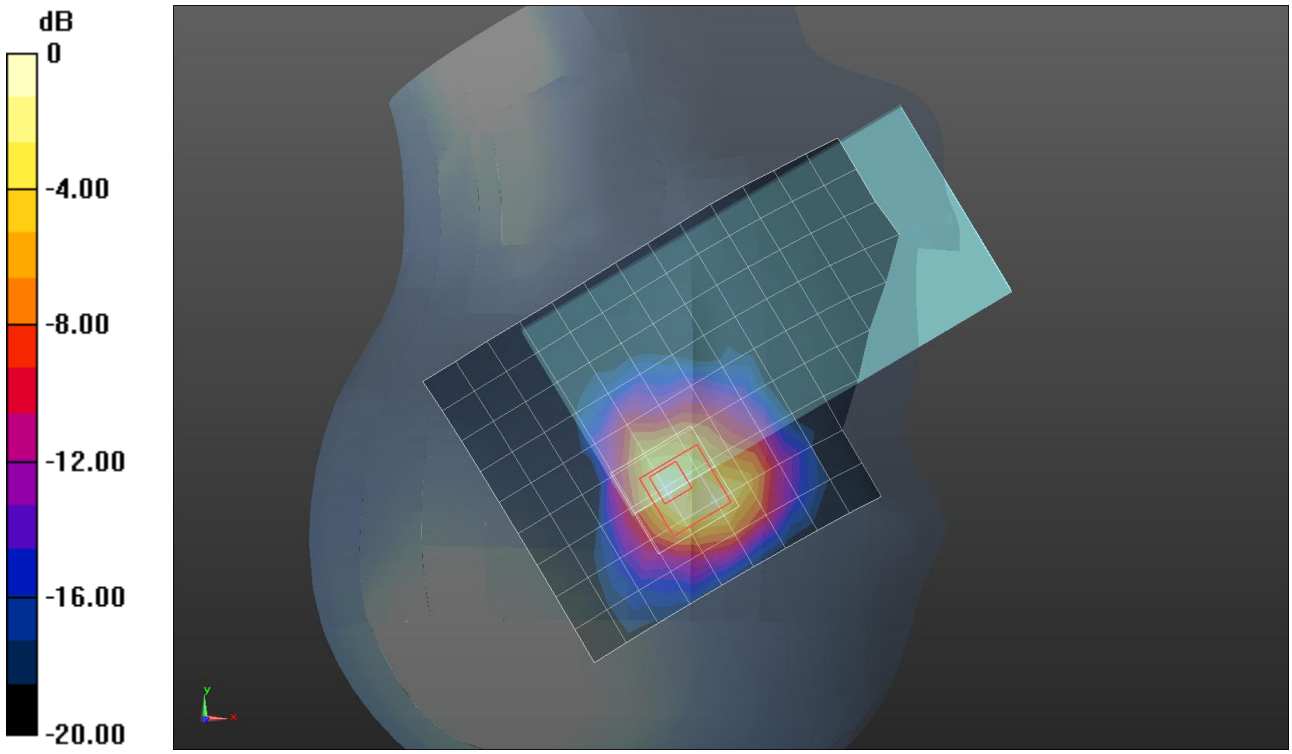
DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

Frequency: 2462 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2462 MHz; σ = 1.869 S/m; ε_r = 38.76; ρ = 1000 kg/m^3

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/Right Touched/Area Scan (14x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.127 W/kg

Head/Right Touched/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.876 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.218 W/kg
SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.038 W/kg
Maximum value of SAR (measured) = 0.143 W/kg



0 dB = 0.143 W/kg = -8.45 dBW/kg

Date: 8/30/2016

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

11ch / 802.11b 1Mbps

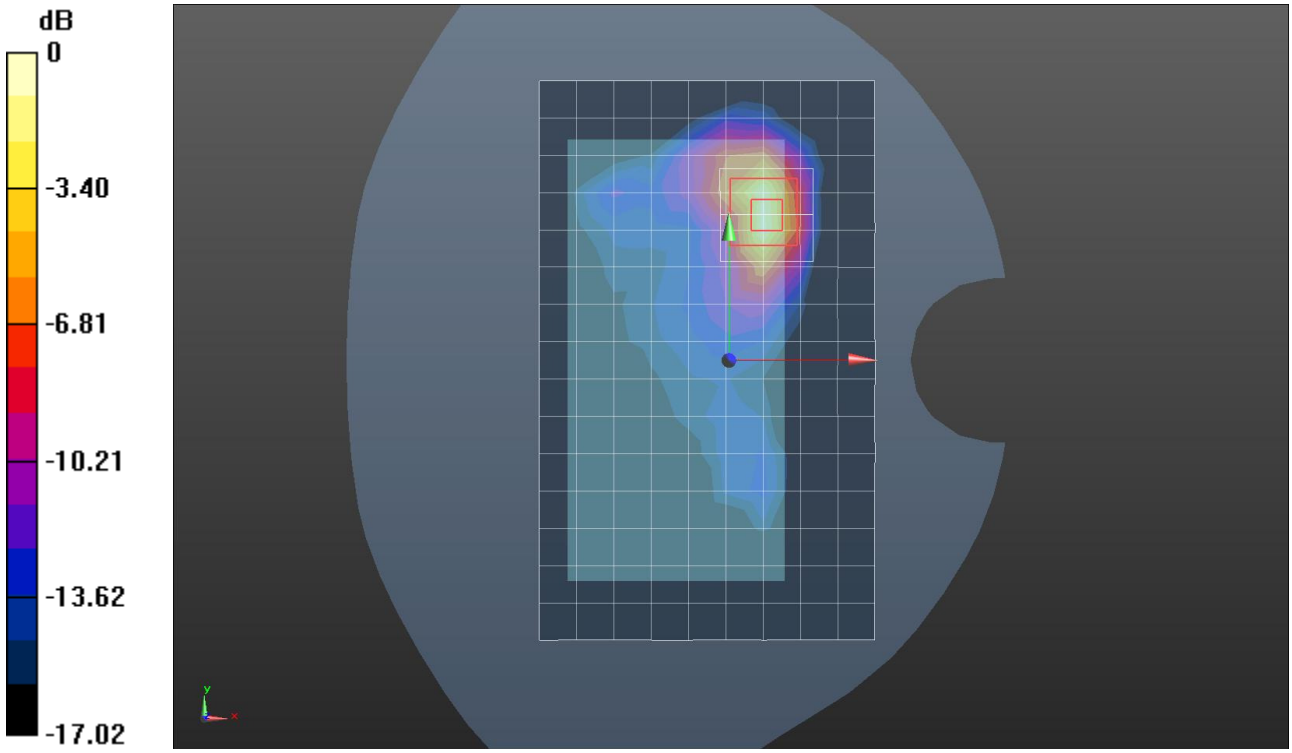
DUT: Smart Phone; Type: SH-02J; Serial: 004401115841179

Frequency: 2462 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2462 MHz; σ = 1.938 S/m; ε_r = 52.672; ρ = 1000 kg/m^3

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 (10x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.296 W/kg

Body/Rear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.474 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.087 W/kg
Maximum value of SAR (measured) = 0.338 W/kg



0 dB = 0.338 W/kg = -4.71 dBW/kg