![JQA logo]

**Appendix 2 – Highest SAR Test Plots**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## 661ch / PCS 1900 - GPRS 4slot

### DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

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; $\sigma$ = 1.408 S/m; $\varepsilon_r$ = 39.891; $\rho$ = 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: 11/27/2013
- 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
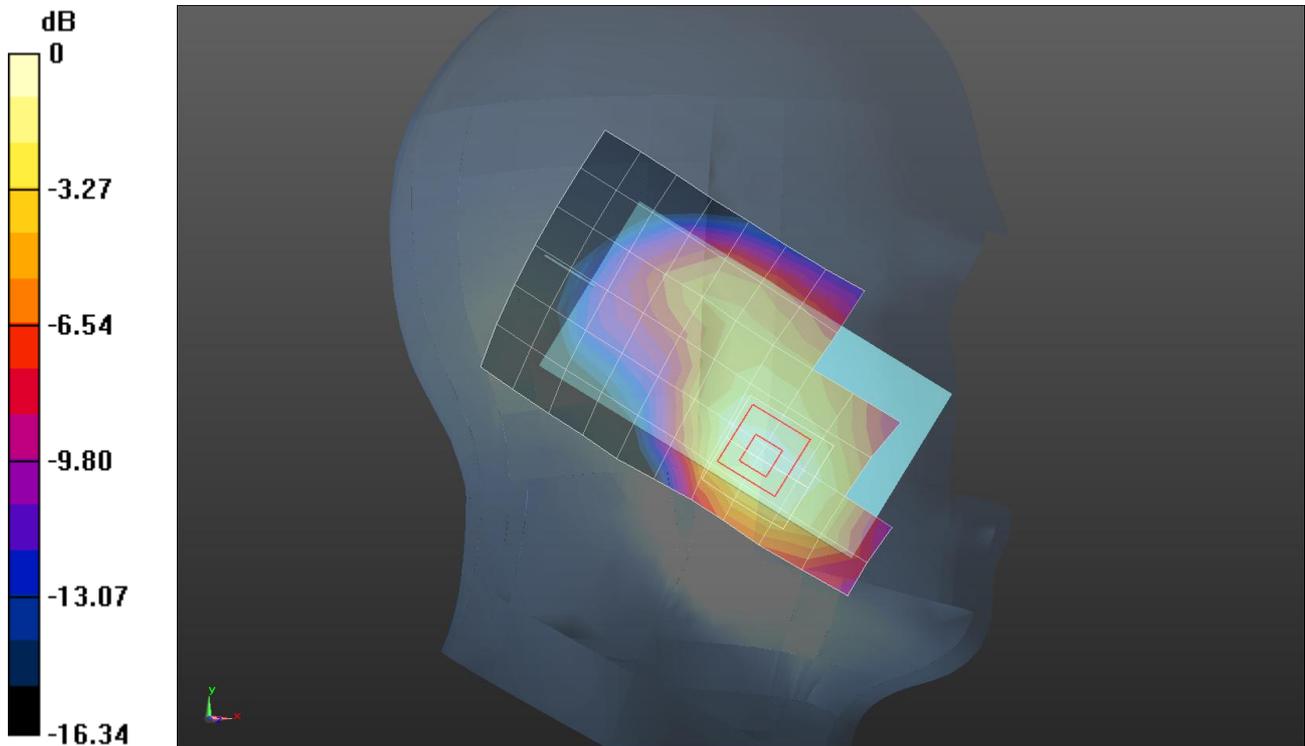Maximum value of SAR (measured) = 0.510 W/kg

## Head/Left Touched/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.561 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.721 W/kg
**SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.307 W/kg**
Maximum value of SAR (measured) = 0.539 W/kg



0 dB = 0.539 W/kg = -2.68 dBW/kg

Plot No.1

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## 661ch / PCS 1900 - GPRS 4slot

### DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

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 = 1.53 S/m; $\varepsilon_r$ = 52.77; 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: 11/27/2013
- 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
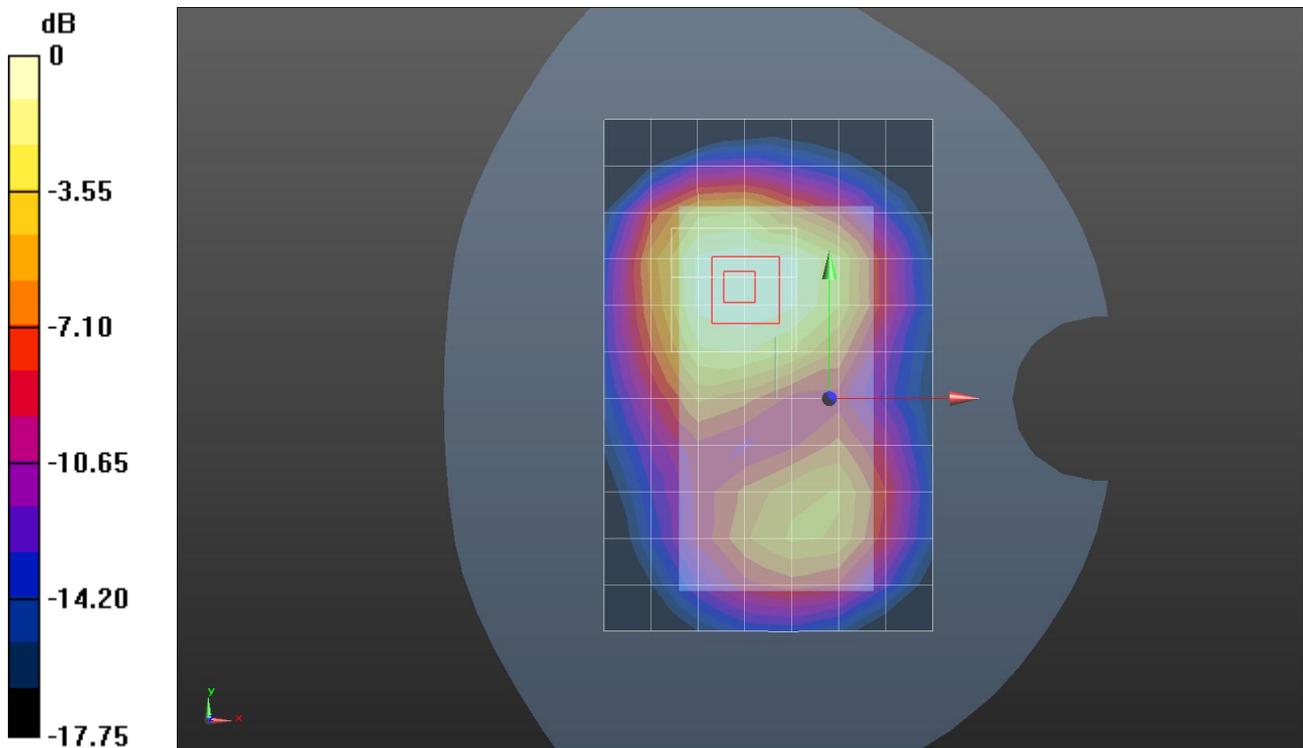Maximum value of SAR (measured) = 0.593 W/kg

## Body/Rear/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.211 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.857 W/kg
**SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.377 W/kg**
Maximum value of SAR (measured) = 0.608 W/kg



0 dB = 0.608 W/kg = -2.16 dBW/kg

Plot No.2

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## 1ch / 802.11b 1Mbps

### DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

Frequency: 2412 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2412 MHz; σ = 1.829 S/m; $\varepsilon_r$ = 38.801; 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: 11/27/2013
- 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 Tilted/Area Scan (14x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.117 W/kg

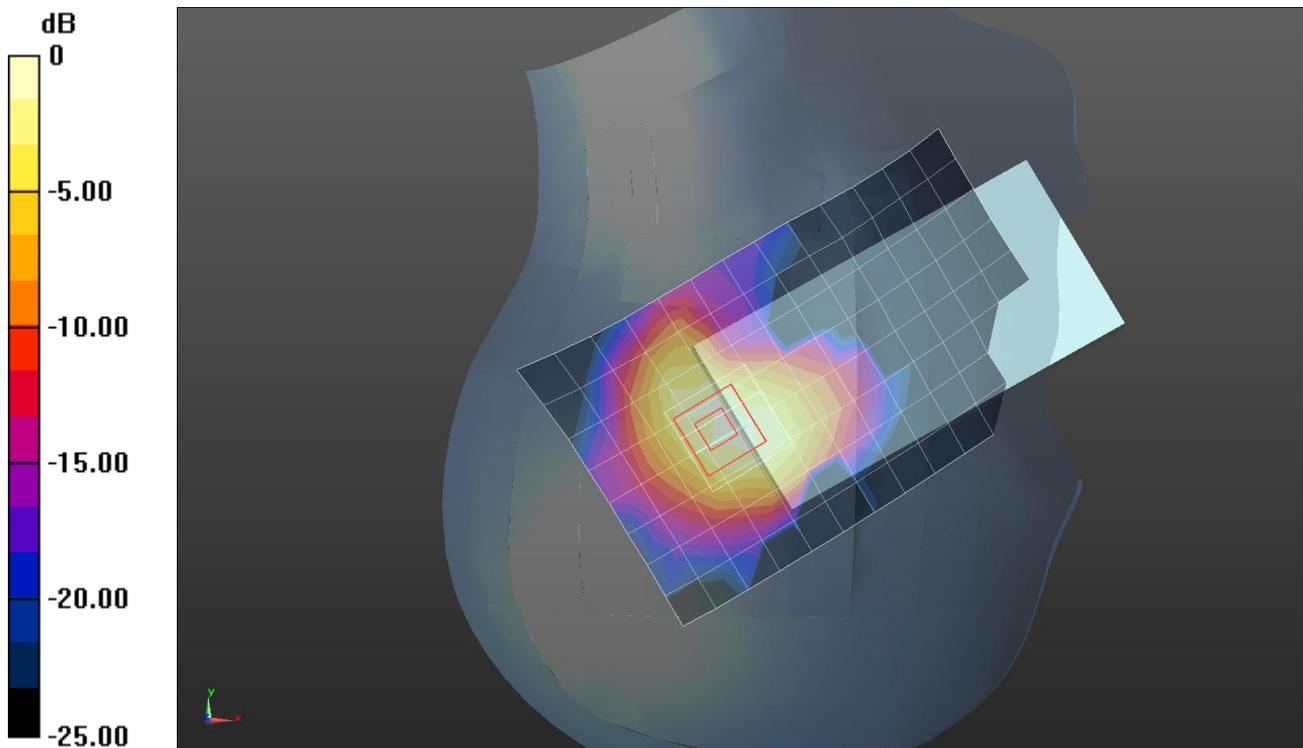## Head/Right Tilted/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.688 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.176 W/kg
**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.045 W/kg**
Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg = -8.86 dBW/kg

Plot No.3

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

# 1ch / 802.11b 1Mbps

## DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

Frequency: 2412 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2412 MHz; σ = 1.896 S/m; $\varepsilon_r$ = 51.586; 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: 11/27/2013
- 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 (10x15x1): Measurement grid: dx=12mm, dy=12mm
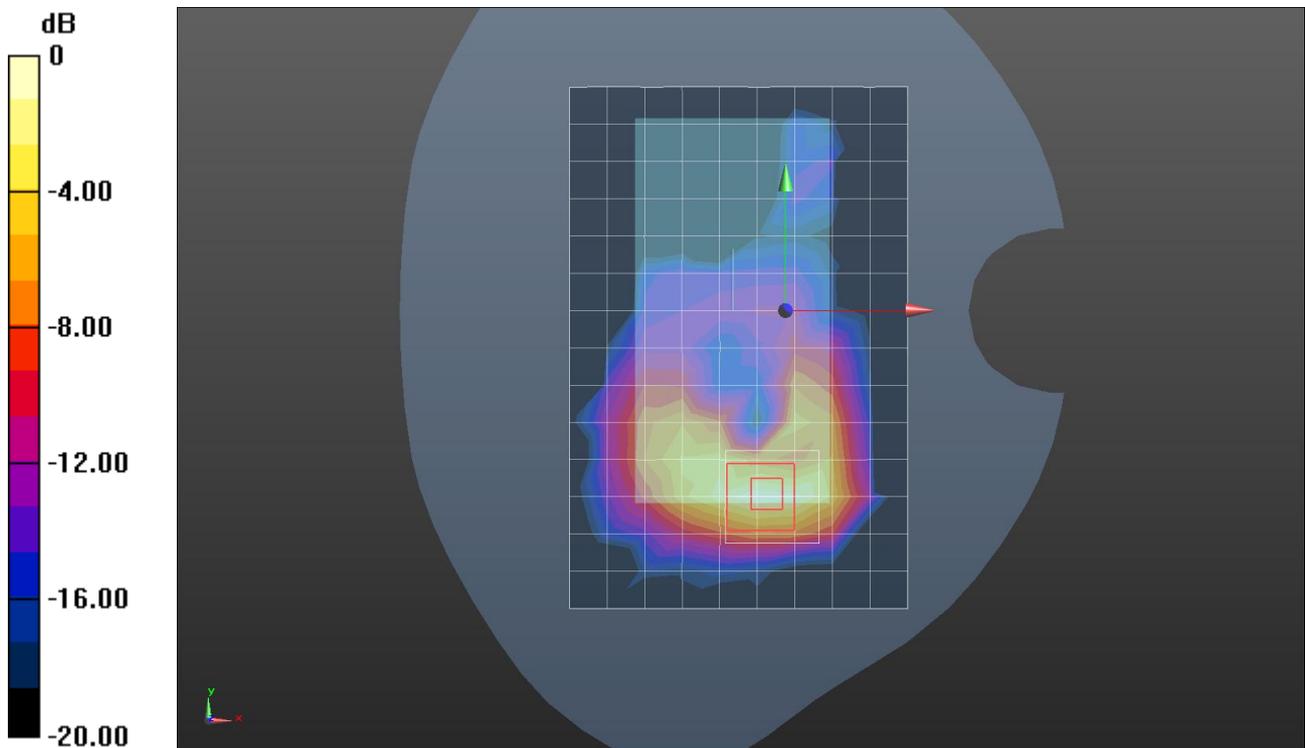Maximum value of SAR (measured) = 0.107 W/kg

## Body/Rear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.515 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.149 W/kg
**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.032 W/kg**
Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.110 W/kg = -9.59 dBW/kg

Plot No.4

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

# 48ch / 802.11n [HT20] MCS0

## DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

Frequency: 5240 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5240 MHz; σ = 4.591 S/m; $ε_r$ = 36.25; 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: 11/27/2013
- 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 (16x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.0792 W/kg

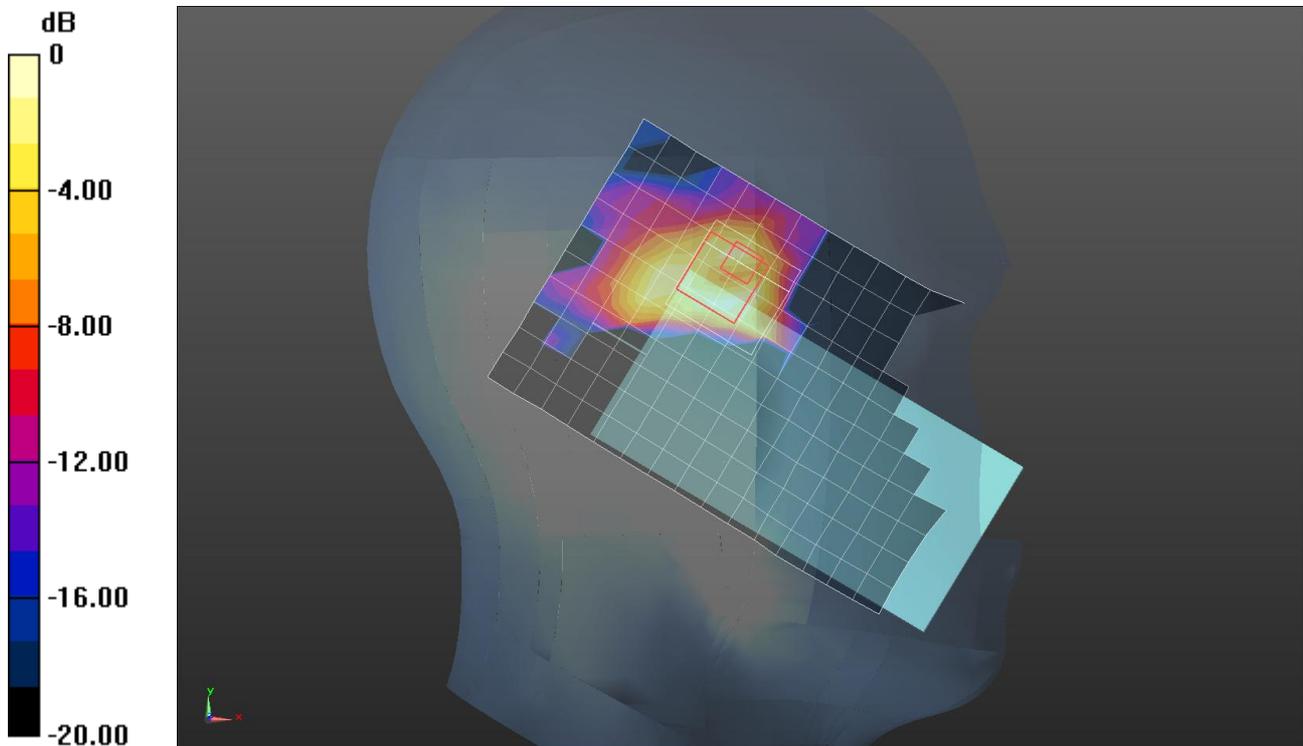## Head/Left Touched/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.807 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.375 W/kg
**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.014 W/kg**
Maximum value of SAR (measured) = 0.0919 W/kg



0 dB = 0.0919 W/kg = -10.37 dBW/kg

Plot No.5

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## 48ch / 802.11n [HT20] MCS0

### DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

Frequency: 5240 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5240 MHz; σ = 5.432 S/m; $\varepsilon_r$ = 48.218; 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: 11/27/2013
- 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
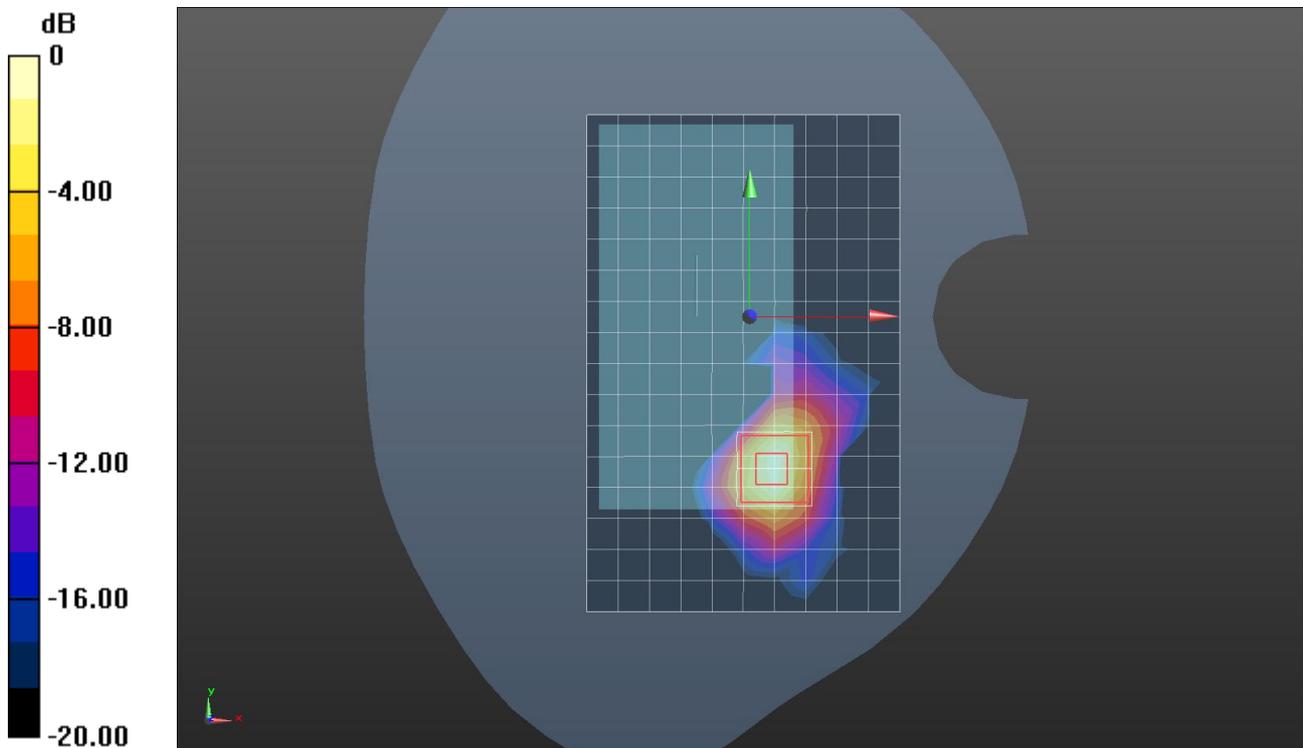Maximum value of SAR (measured) = 0.362 W/kg

## Body/Rear/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.850 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.770 W/kg
**SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.057 W/kg**
Maximum value of SAR (measured) = 0.378 W/kg



0 dB = 0.378 W/kg = -4.23 dBW/kg

Plot No.6

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## 64ch / 802.11a 6Mbps

### DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

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 = 4.672 S/m; $ε_r$ = 36.157; 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: 11/27/2013
- 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 (16x11x1): Measurement grid: dx=10mm, dy=10mm
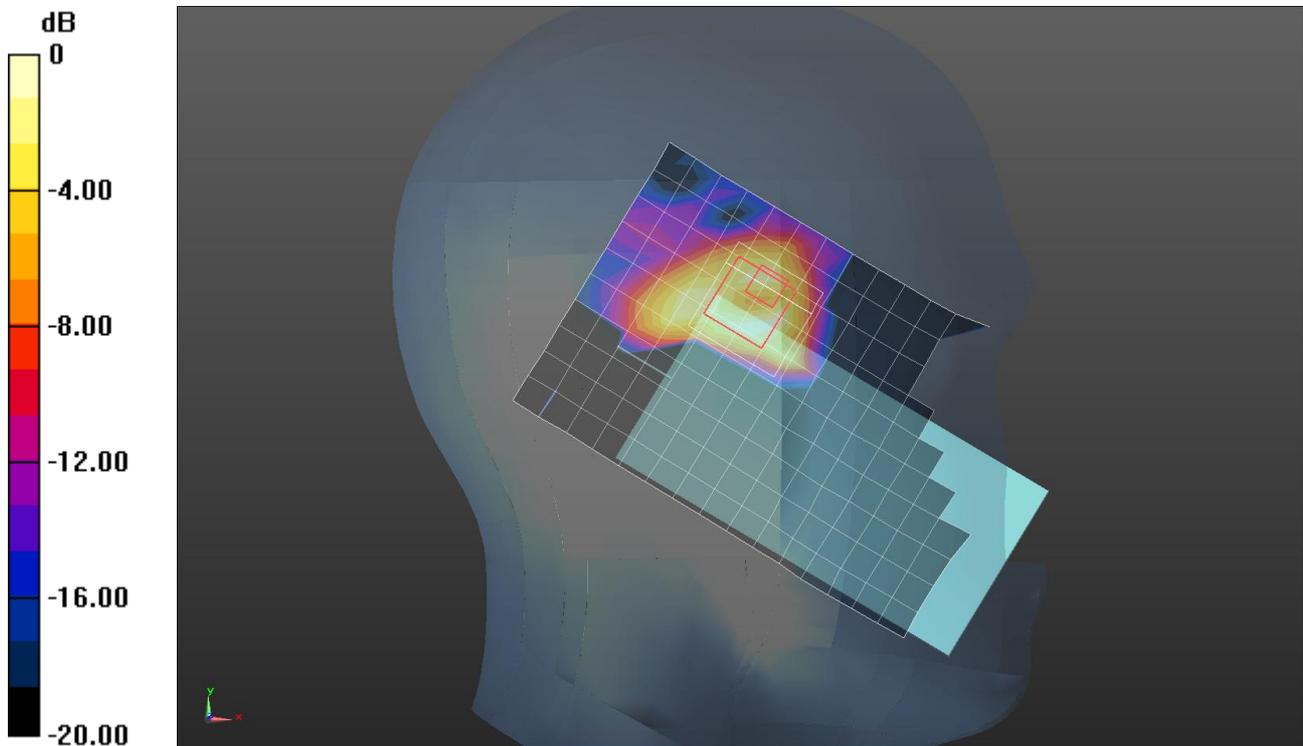Maximum value of SAR (measured) = 0.101 W/kg

## Head/Left Touched/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.707 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.401 W/kg
**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.015 W/kg**
Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.113 W/kg = -9.47 dBW/kg

Plot No.7

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Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## 64ch / 802.11a 6Mbps

### DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

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 = 5.533 S/m; $\varepsilon_r$ = 48.088; 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: 11/27/2013
-  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
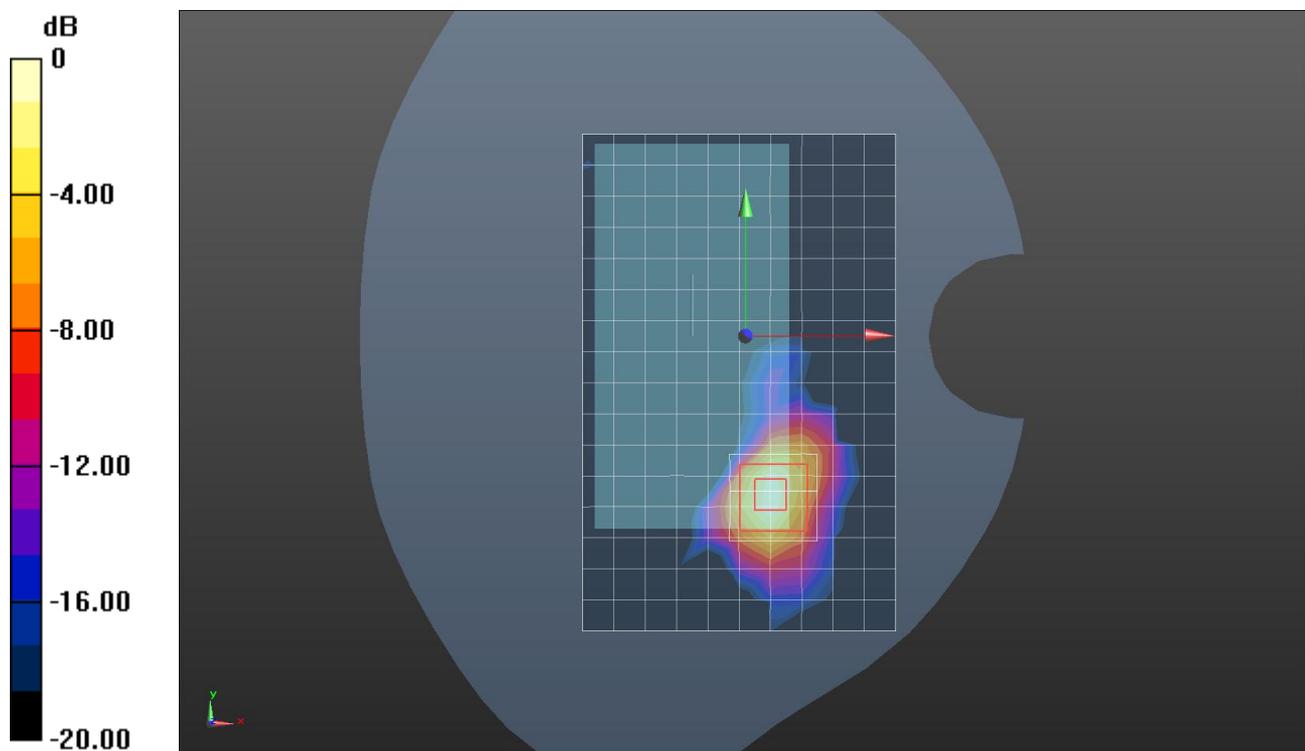Maximum value of SAR (measured) = 0.403 W/kg

## Body/Rear/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.000 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.761 W/kg
**SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.063 W/kg**
Maximum value of SAR (measured) = 0.408 W/kg



0 dB = 0.408 W/kg = -3.89 dBW/kg

Plot No.8

**JQA**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

# 106ch / 802.11ac [VHT80] MCS0

## DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

Frequency: 5530 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5530 MHz; σ = 4.823 S/m; $\varepsilon_r$ = 35.296; ρ = 1000 kg/m$^3$

DASY5 Configuration:
 - Probe: EX3DV4 - SN3808; ConvF(4.64, 4.64, 4.64); Calibrated: 9/12/2013;
 - Sensor-Surface: 2mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn508; Calibrated: 11/27/2013
 - 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 (16x11x1): Measurement grid: dx=10mm, dy=10mm
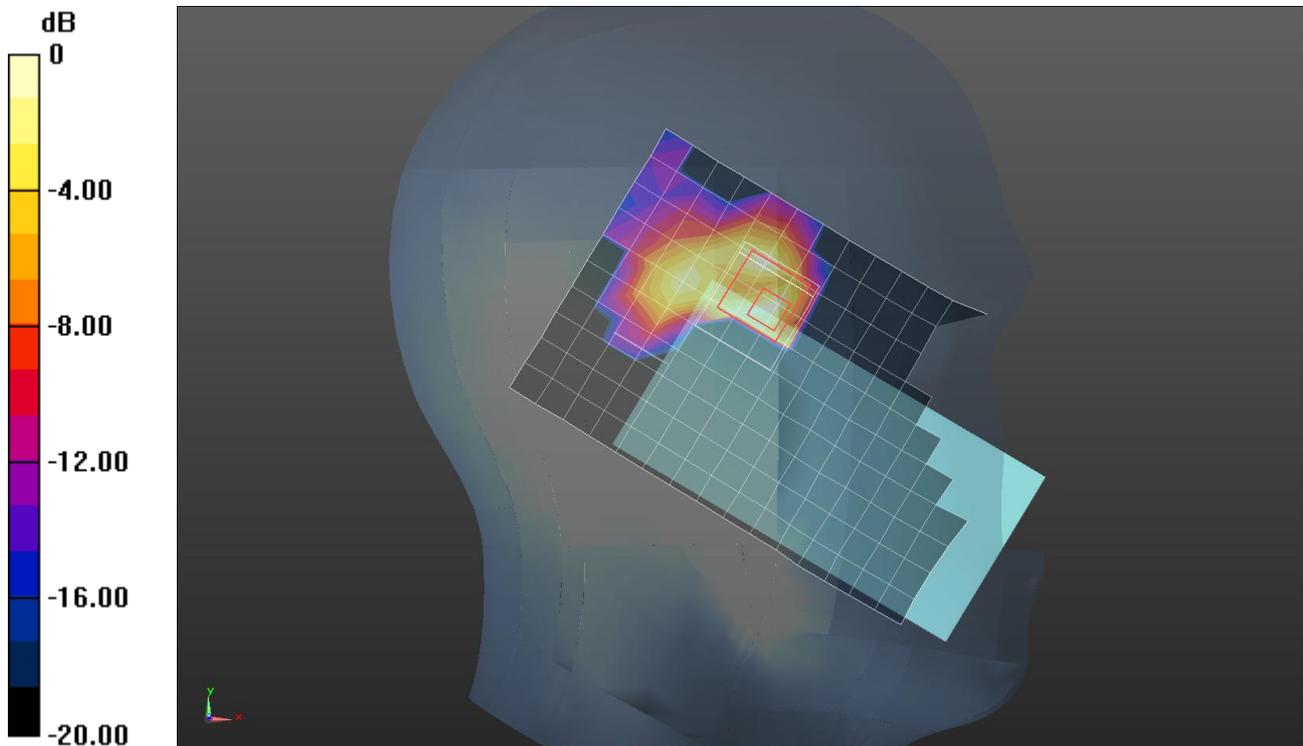Maximum value of SAR (measured) = 0.0770 W/kg

## Head/Left Touched/Zoom Scan (8x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm,
dz=2mm
Reference Value = 4.292 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.457 W/kg
**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.012 W/kg**
Maximum value of SAR (measured) = 0.0852 W/kg



0 dB = 0.0852 W/kg = -10.70 dBW/kg

Plot No.9

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

# 106ch / 802.11ac [VHT80] MCS0

## DUT: Cellular Phone; Type: 303SH; Serial: 004401/11/502588/0

Frequency: 5530 MHz;Duty Cycle: 1:1
Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5530 MHz; σ = 5.792 S/m; $\varepsilon_r$ = 47.971; ρ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: EX3DV4 - SN3808; ConvF(4.06, 4.06, 4.06); Calibrated: 9/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/27/2013
- 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
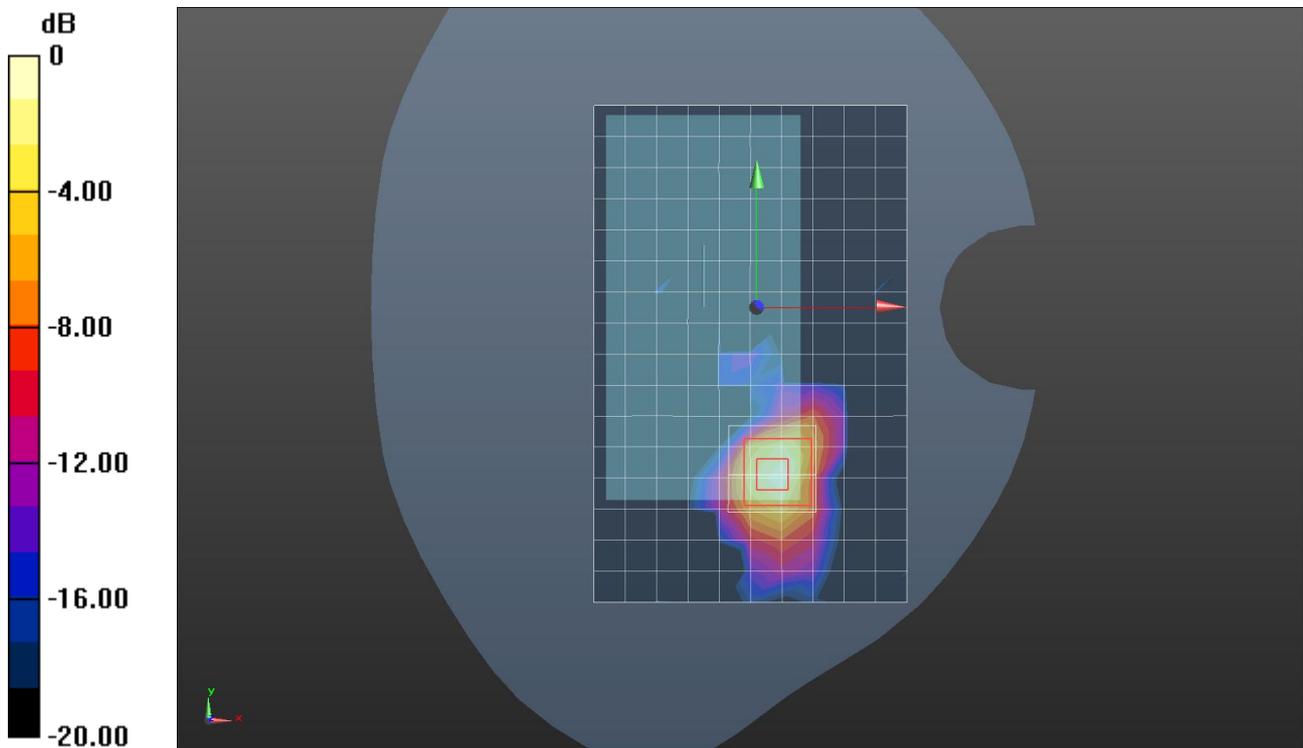Maximum value of SAR (measured) = 0.209 W/kg

## Body/Rear/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.765 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.592 W/kg
**SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.030 W/kg**
Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg = -6.62 dBW/kg

Plot No.10