



## Appendix 1 – System Validation Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d112**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 10.5 mW/g

**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

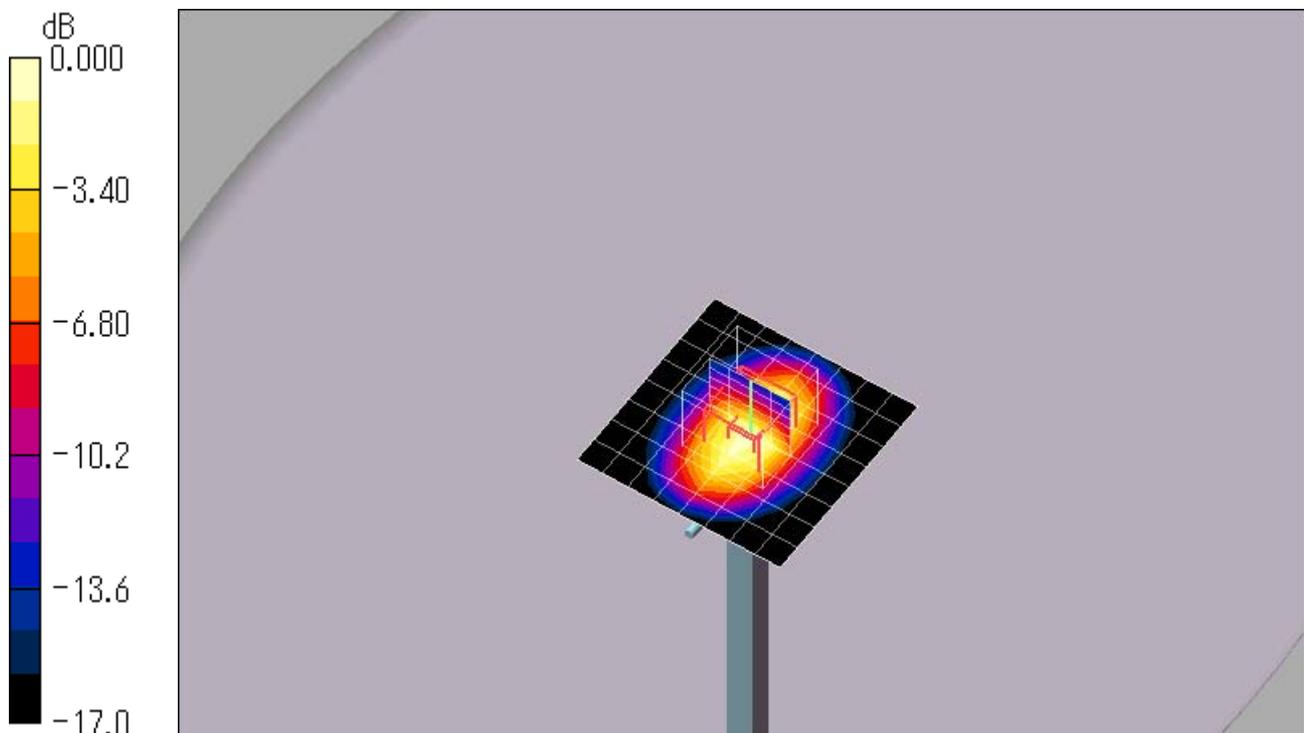
dy=8mm, dz=5mm

Reference Value = 90.1 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 15.6 W/kg

**SAR(1 g) = 9.72 mW/g; SAR(10 g) = 5.23 mW/g**

Maximum value of SAR (measured) = 11.0 mW/g



0 dB = 11.0mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d081**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.973 \text{ mho/m}$ ;  $\epsilon_r = 55$ ;  $\rho = 1000 \text{ kg/m}^3$

Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.53 mW/g

**Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

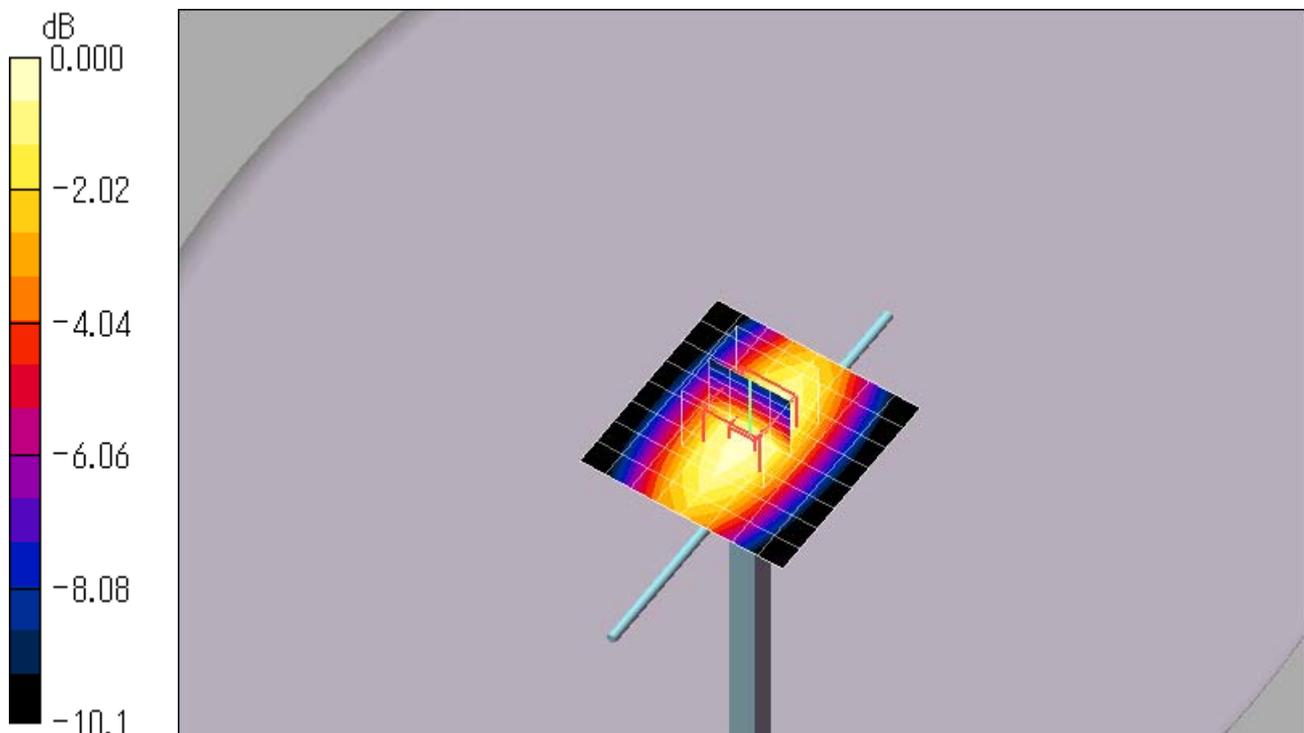
dy=8mm, dz=5mm

Reference Value = 53.2 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 3.35 W/kg

**SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.56 mW/g**

Maximum value of SAR (measured) = 2.56 mW/g



0 dB = 2.56mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 714**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 20.6 mW/g

**Antenna Input Power 250 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm,

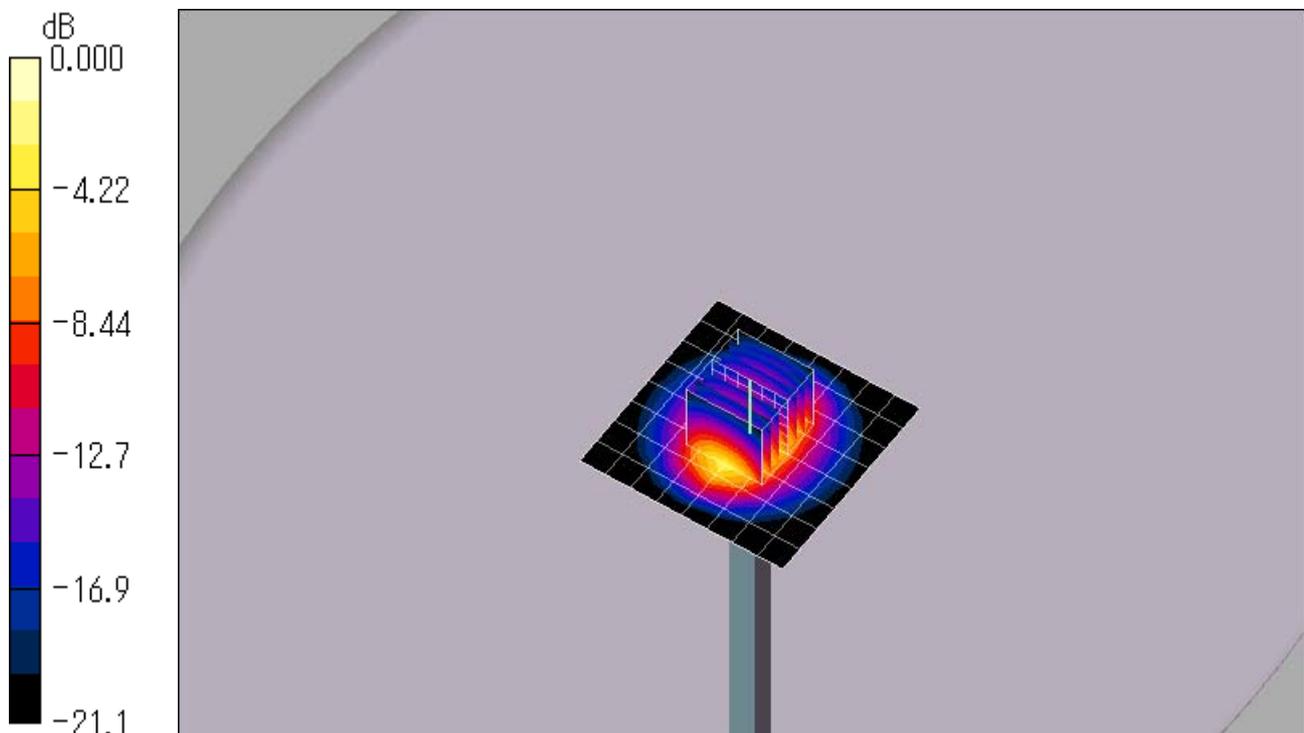
dy=5mm, dz=5mm

Reference Value = 104.7 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 27.2 W/kg

**SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.33 mW/g**

Maximum value of SAR (measured) = 20.2 mW/g



0 dB = 20.2mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation

**DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1111**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.39$  mho/m;  $\epsilon_r = 47.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 39.8 mW/g

**Antenna Input Power 250 mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm,

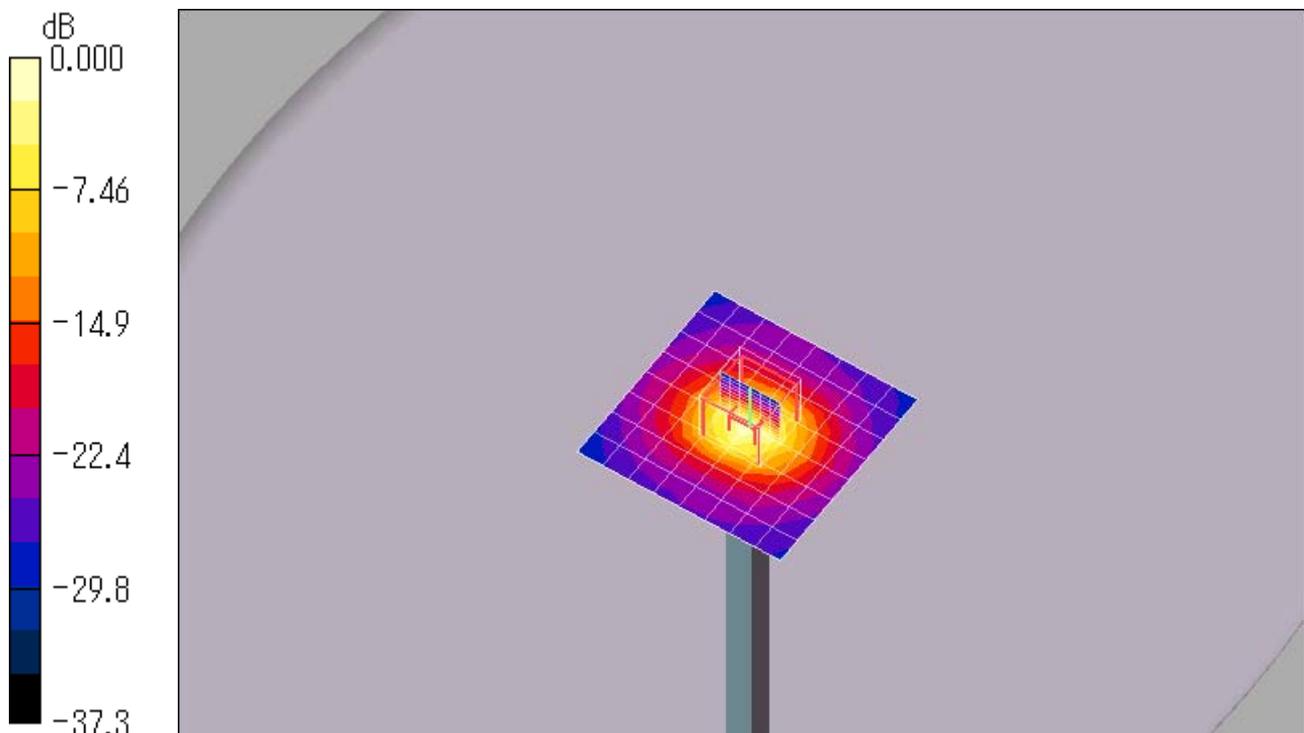
dy=4mm, dz=2mm

Reference Value = 94.7 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 74.0 W/kg

**SAR(1 g) = 19.4 mW/g; SAR(10 g) = 5.5 mW/g**

Maximum value of SAR (measured) = 40.2 mW/g



0 dB = 40.2mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## System Validation

**DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1111**

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.8$  mho/m;  $\epsilon_r = 47.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Antenna Input Power 250 mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 43.2 mW/g

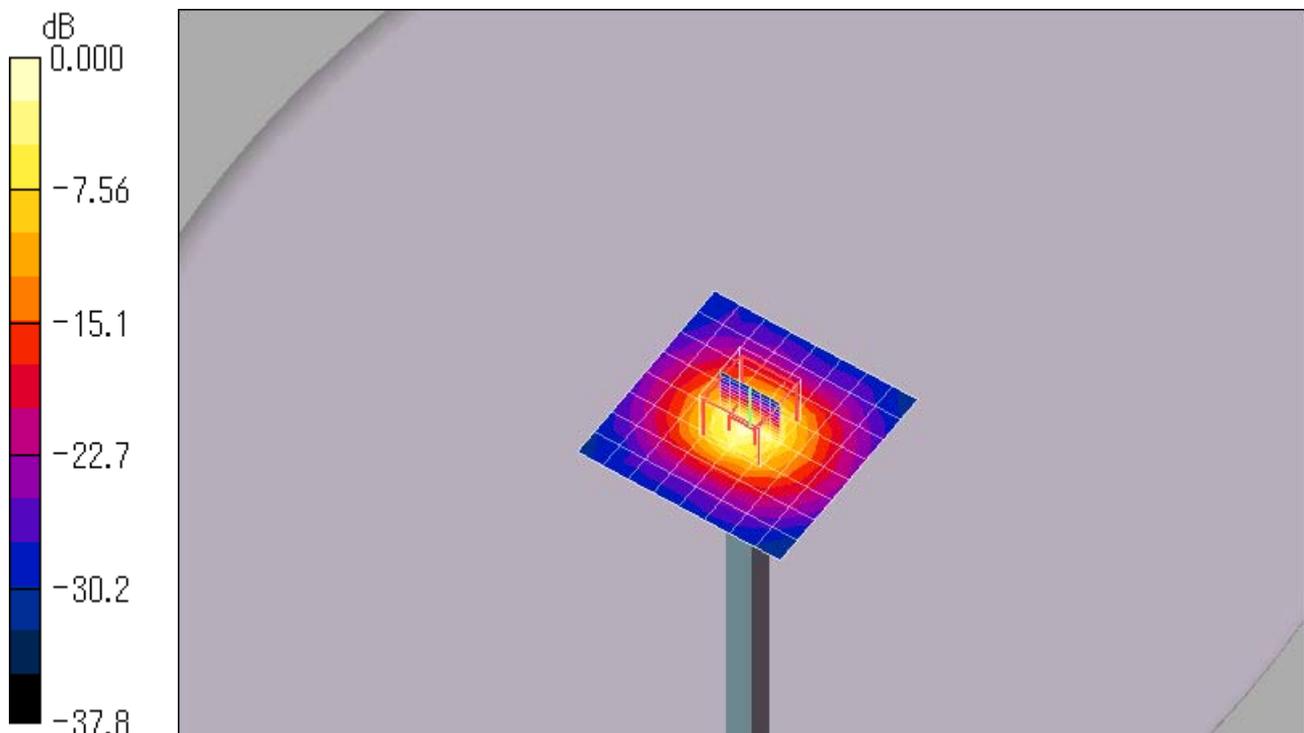
**Antenna Input Power 250 mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 93.6 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 85.4 W/kg

**SAR(1 g) = 20.3 mW/g; SAR(10 g) = 5.73 mW/g**

Maximum value of SAR (measured) = 43.3 mW/g



**Appendix 2 – SAR Test Plots (WCDMA Band V)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WCDMA Band V; 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;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (11x16x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.798 mW/g

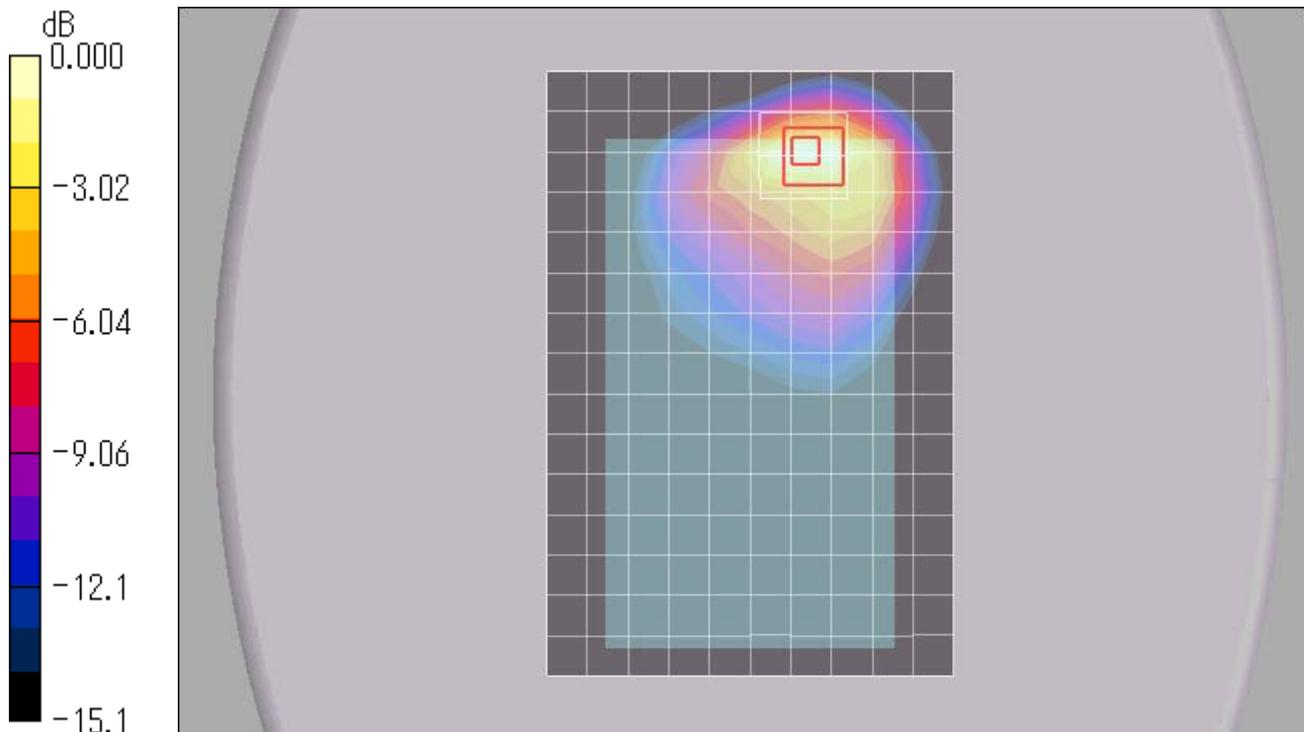
**Rear/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.315 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.726 mW/g



0 dB = 0.726mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WCDMA Band V; 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;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

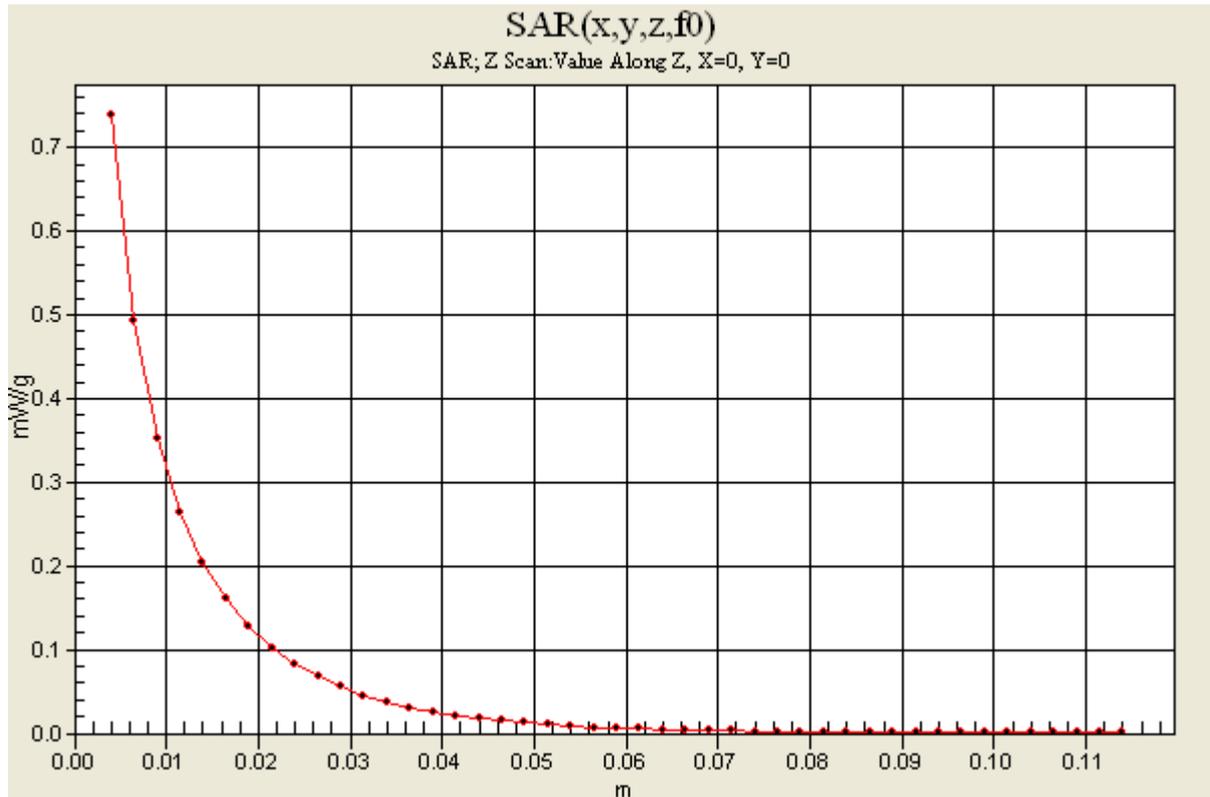
DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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

Maximum value of SAR (measured) = 0.739 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WCDMA Band V; 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;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Bottom edge/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.316 mW/g

**Bottom edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

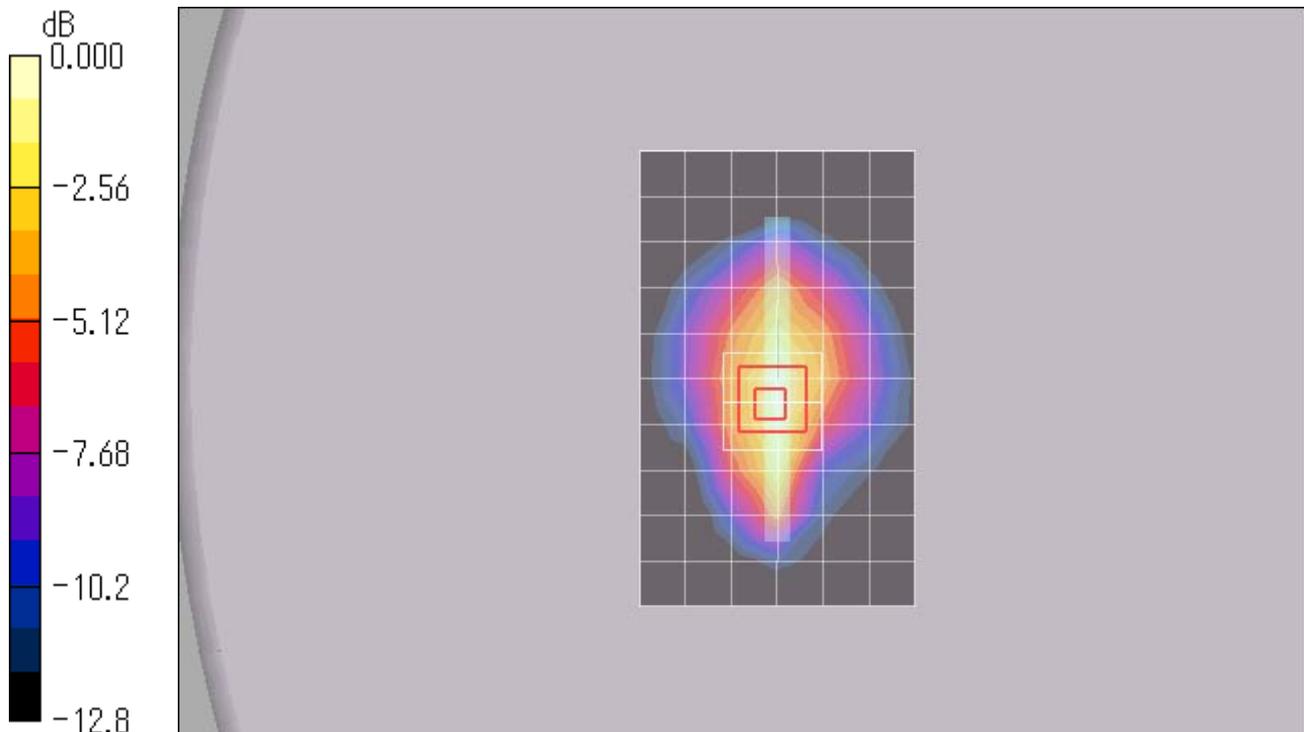
Reference Value = 18.6 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.510 W/kg

**SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.171 mW/g**

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

Maximum value of SAR (measured) = 0.334 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 4182ch / WCDMA Band V

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WCDMA Band V; 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;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Right edge/Area Scan (7x16x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.430 mW/g

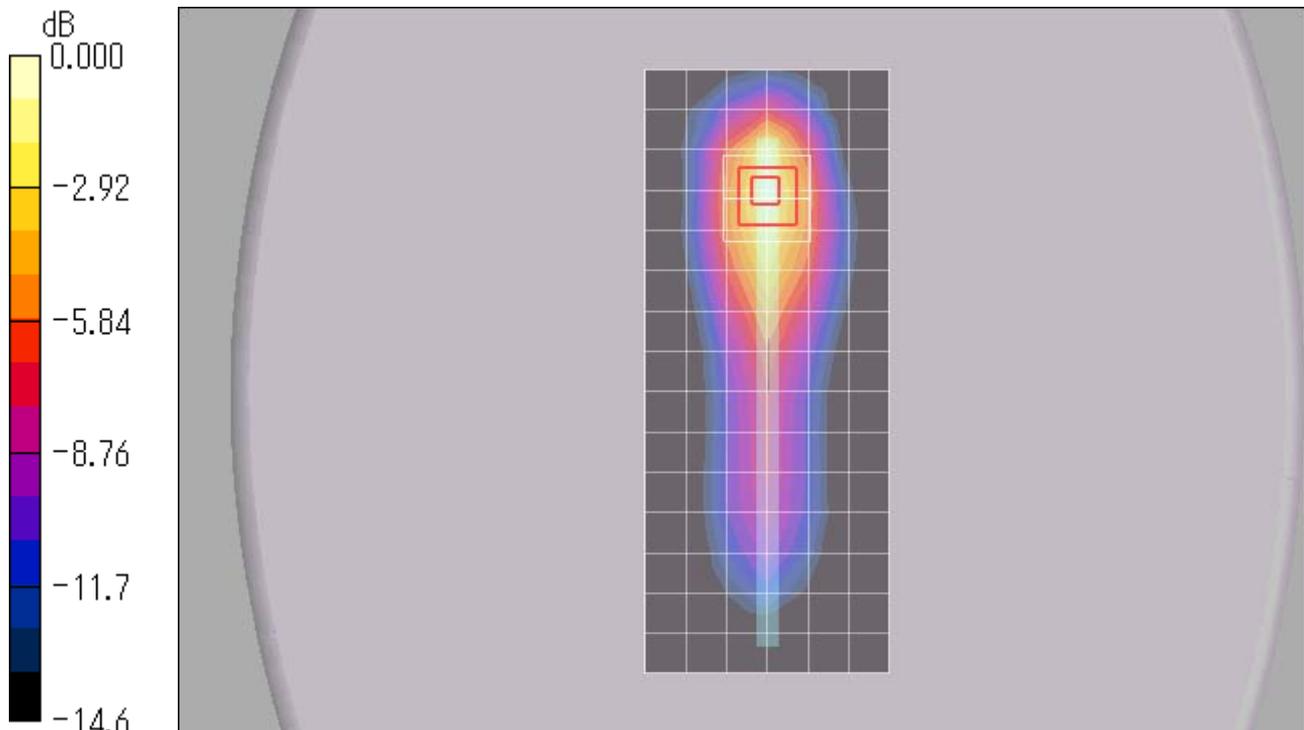
**Right edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.690 W/kg

**SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.204 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.434 mW/g



**Appendix 2 – SAR Test Plots (GSM 850)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (11x16x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.536 mW/g

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

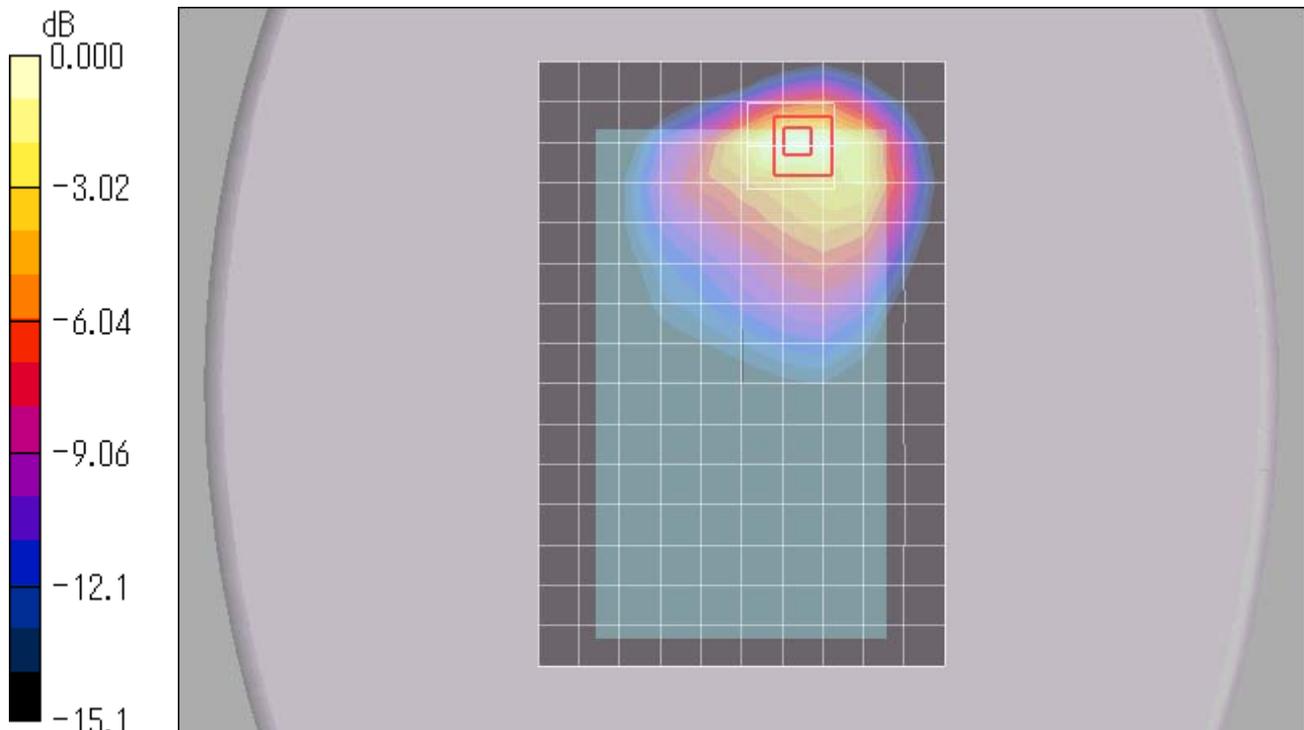
Reference Value = 15.3 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.941 W/kg

**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.205 mW/g**

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

Maximum value of SAR (measured) = 0.468 mW/g



0 dB = 0.468mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

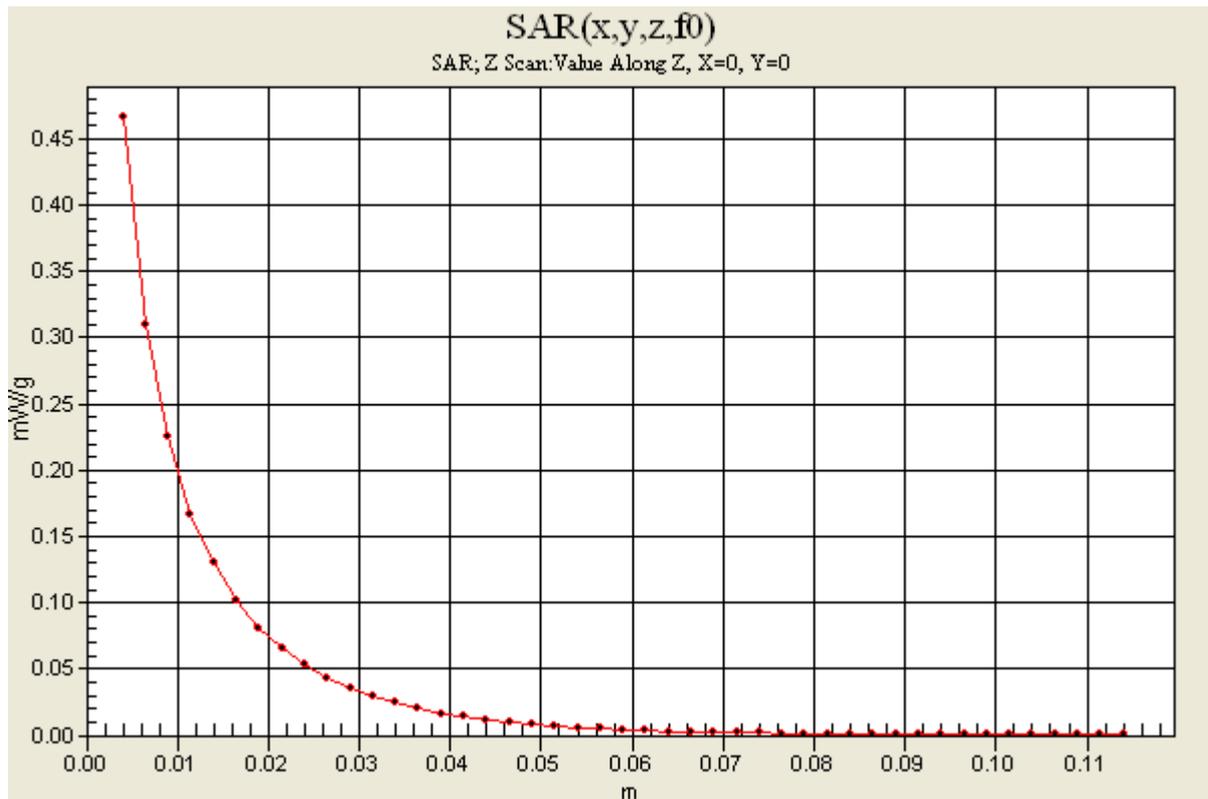
DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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

Maximum value of SAR (measured) = 0.467 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Bottom edge/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.222 mW/g

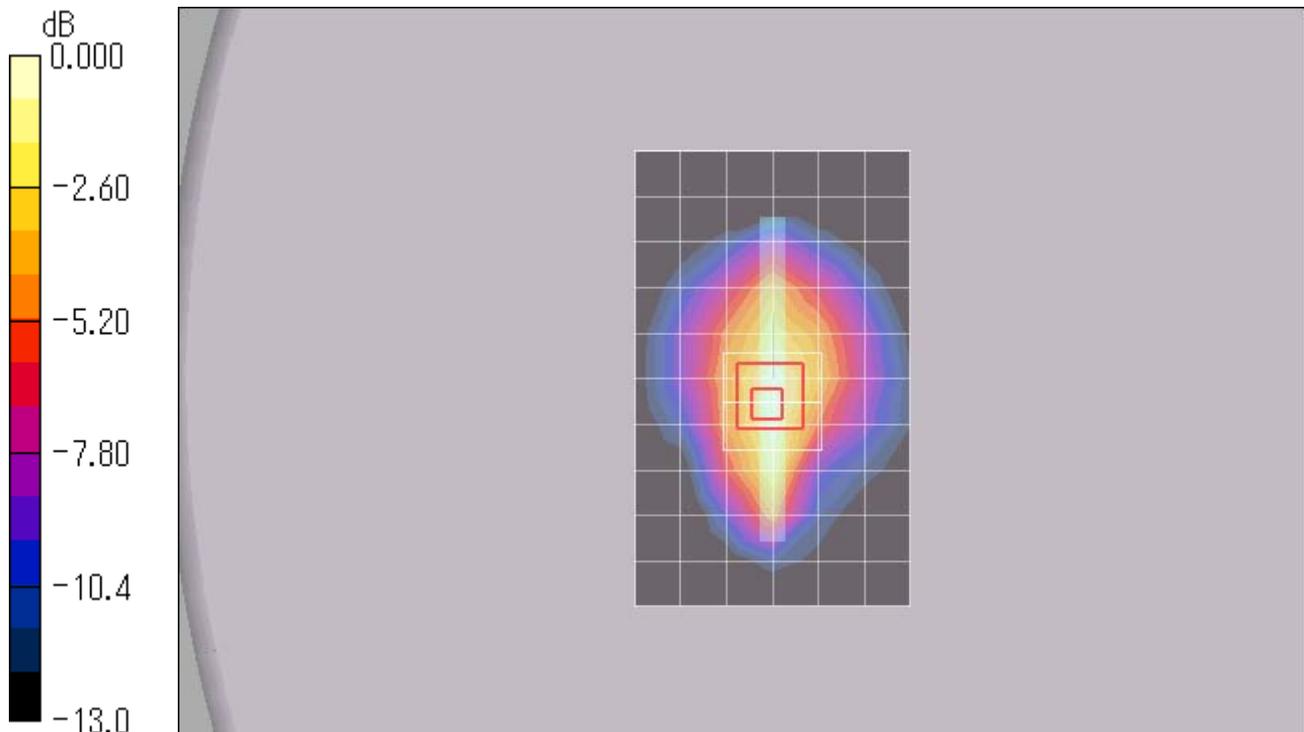
**Bottom edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 0.355 W/kg

**SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.122 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.229 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 189ch / GSM 850 - GPRS 4slot

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:2.075

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.21, 6.21, 6.21); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Right edge/Area Scan (7x16x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.241 mW/g

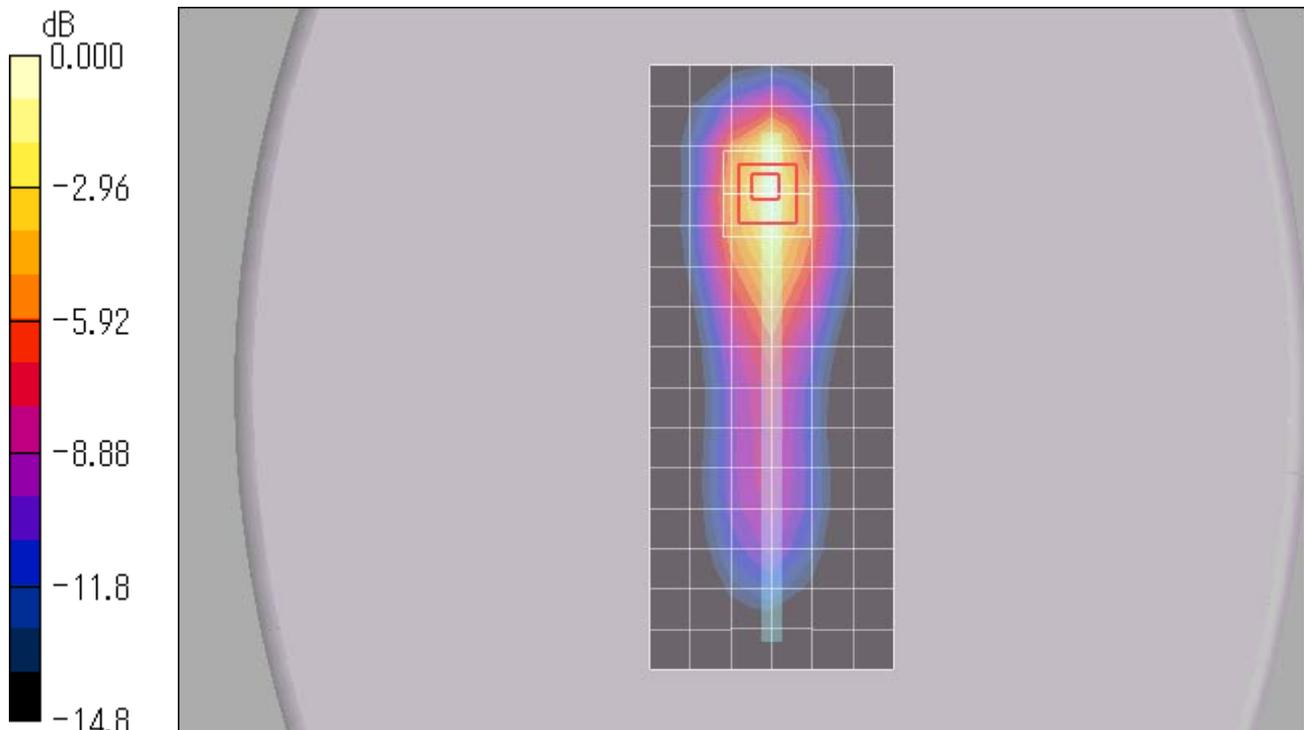
**Right edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.402 W/kg

**SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.117 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.251 mW/g



**Appendix 2 – SAR Test Plots (PCS 1900)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (11x16x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.501 mW/g

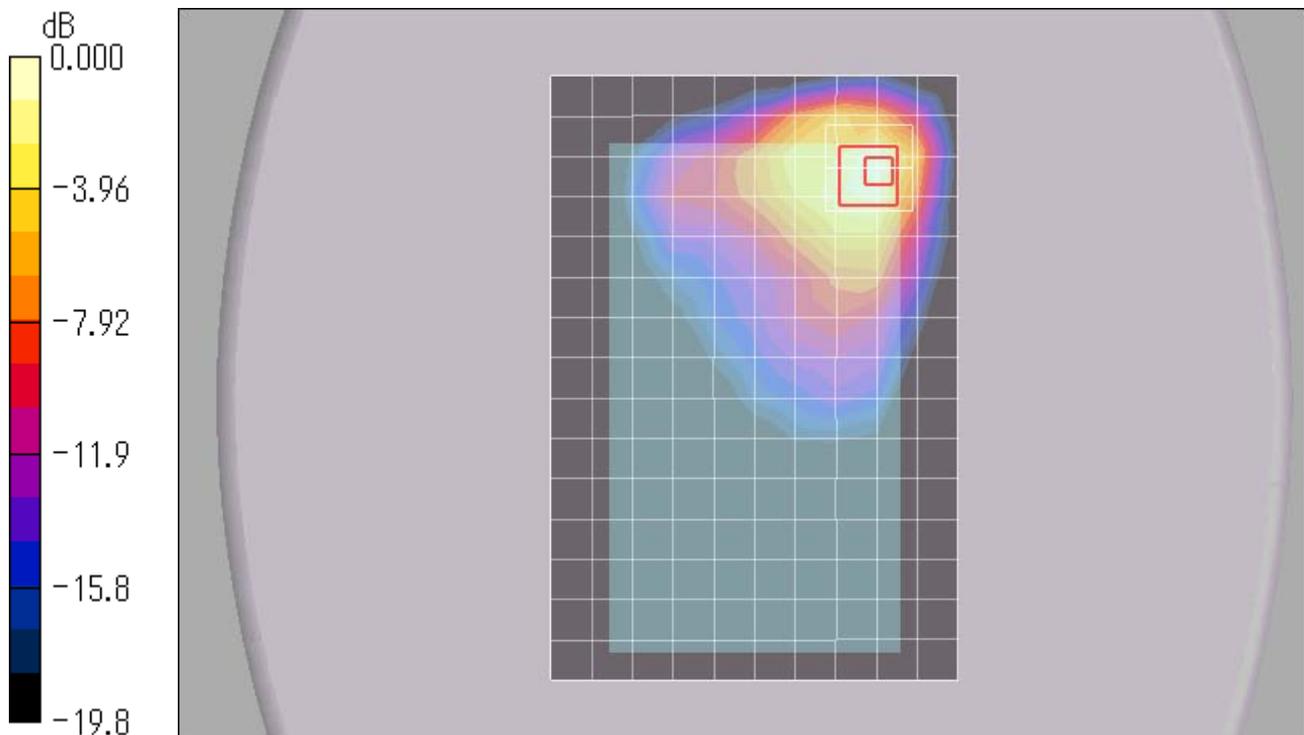
**Rear/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.9 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.976 W/kg

**SAR(1 g) = 0.487 mW/g; SAR(10 g) = 0.256 mW/g**

Maximum value of SAR (measured) = 0.522 mW/g



0 dB = 0.522mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

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

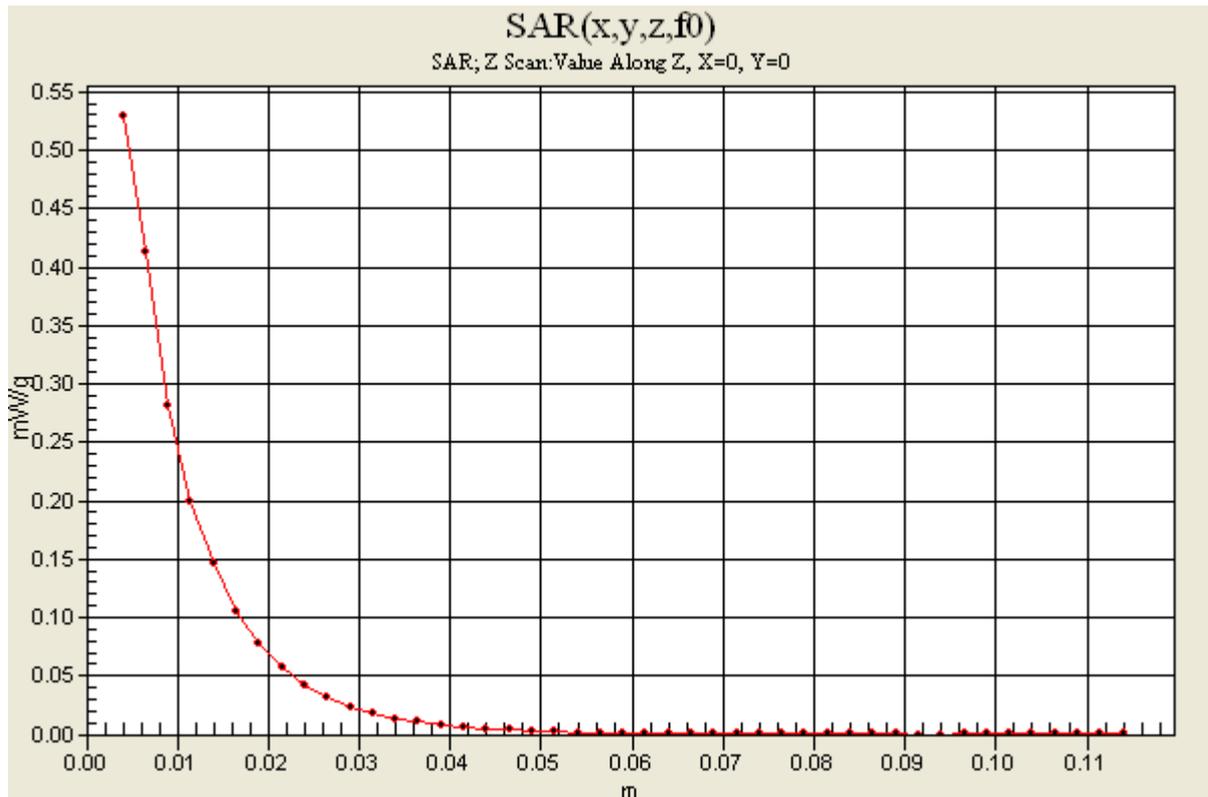
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.529 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Bottom edge/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.362 mW/g

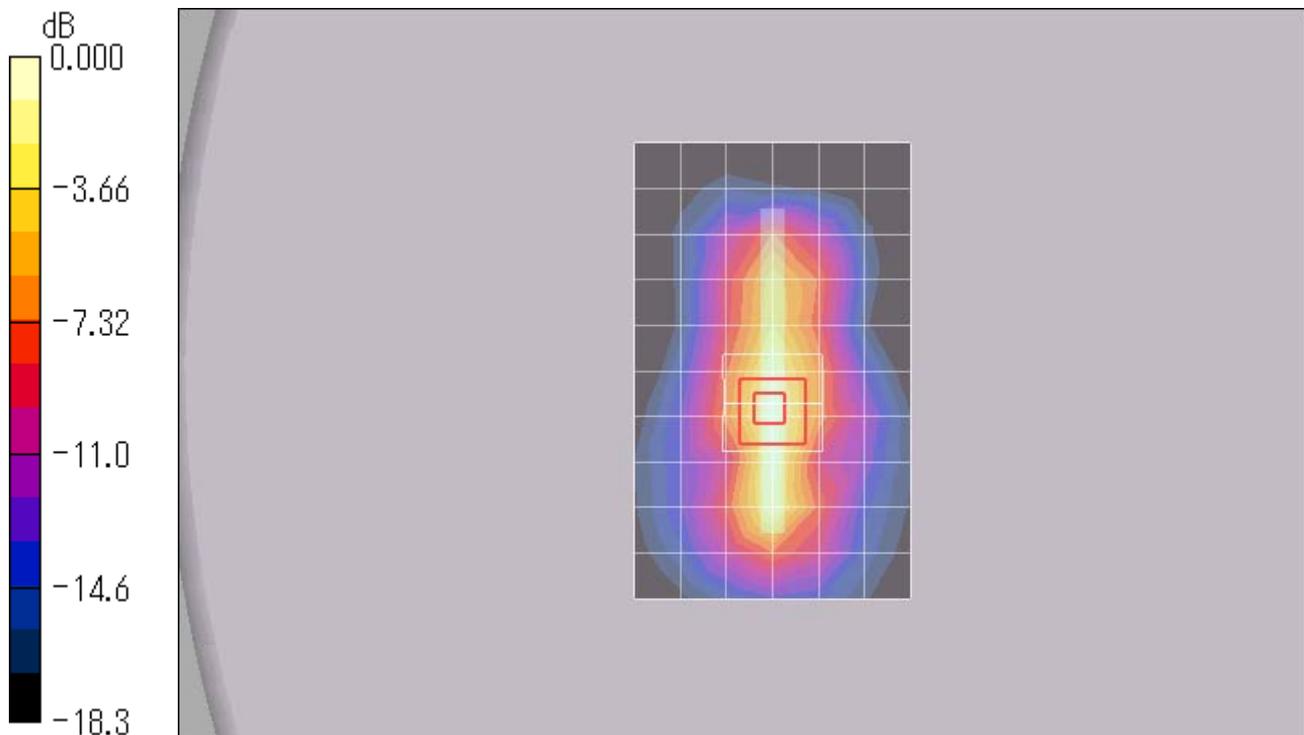
**Bottom edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = -0.067 dB

Peak SAR (extrapolated) = 0.504 W/kg

**SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.166 mW/g**

Maximum value of SAR (measured) = 0.358 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 661ch / PCS 1900 - GPRS 4slot

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.51, 4.51, 4.51); Calibrated: 2012/08/17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Right edge/Area Scan (7x16x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.427 mW/g

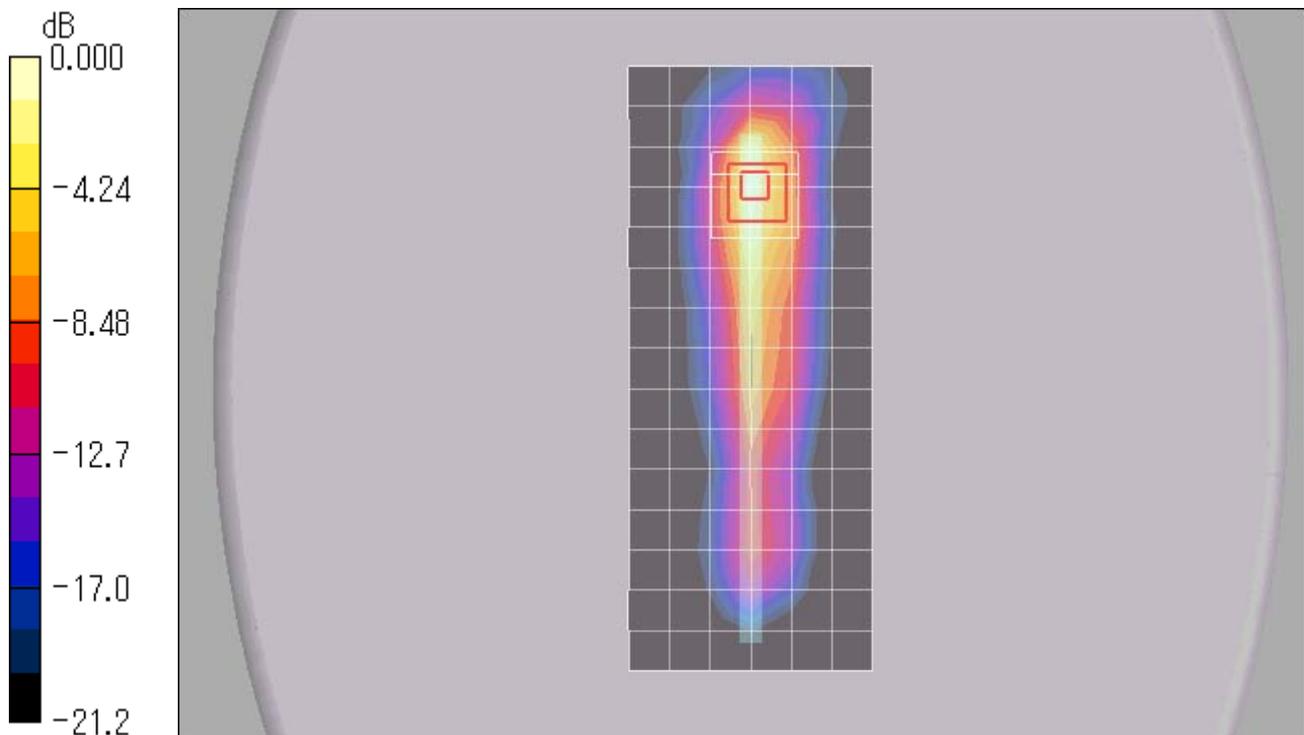
**Right edge/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.7 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.719 W/kg

**SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.169 mW/g**

Maximum value of SAR (measured) = 0.422 mW/g



**Appendix 2 – SAR Test Plots (WLAN 2.4 GHz)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (14x20x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.561 mW/g

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

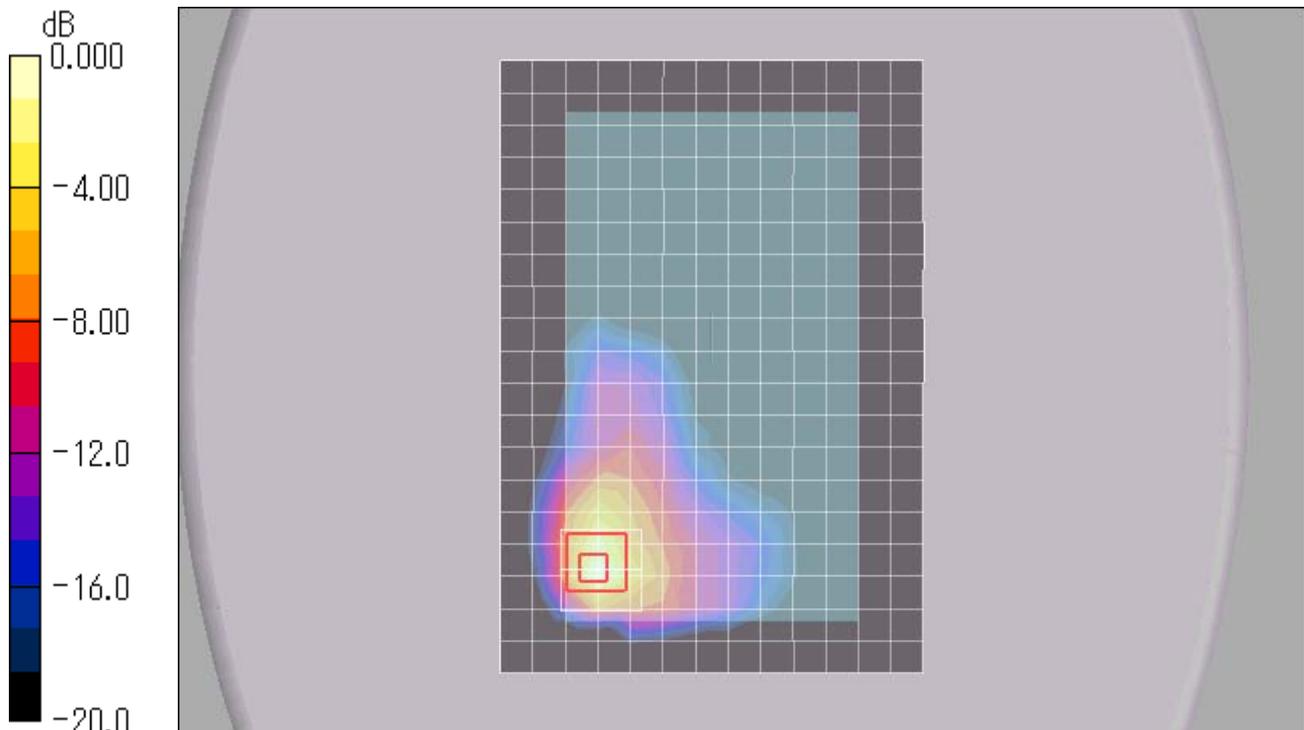
Reference Value = 17.3 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.810 W/kg

**SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.146 mW/g**

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

Maximum value of SAR (measured) = 0.551 mW/g



0 dB = 0.551mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

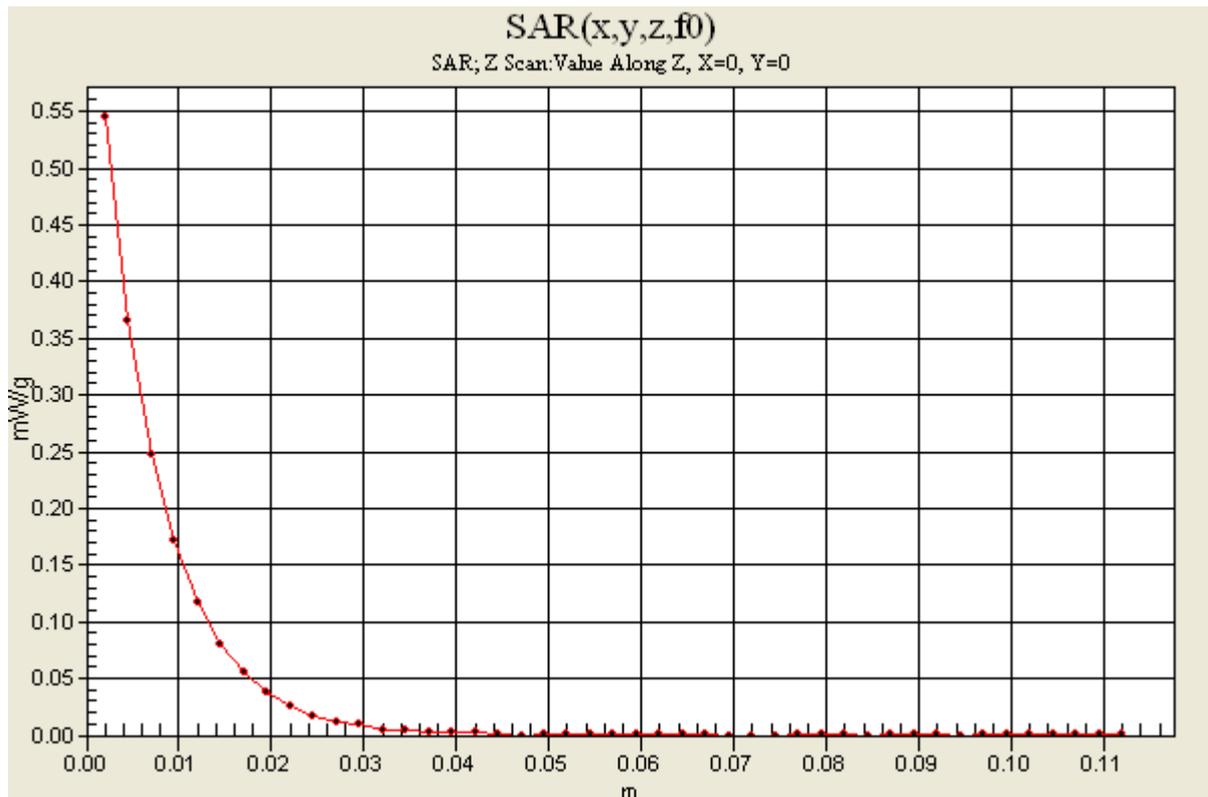
DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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

Maximum value of SAR (measured) = 0.545 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Top/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.145 mW/g

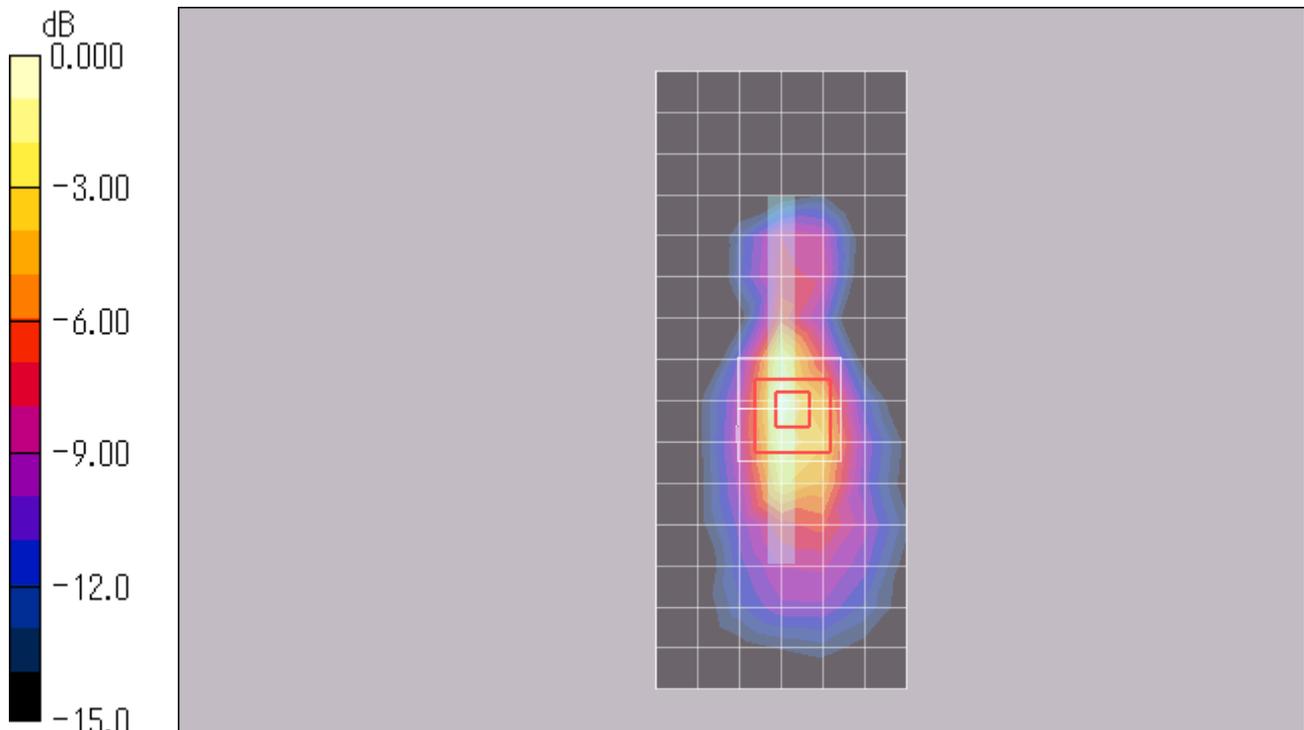
**Top/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.65 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.210 W/kg

**SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.047 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.154 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 6ch / 802.11b 1Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.94, 6.94, 6.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Left/Area Scan (7x20x1):** Measurement grid: dx=12mm, dy=12mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.292 mW/g

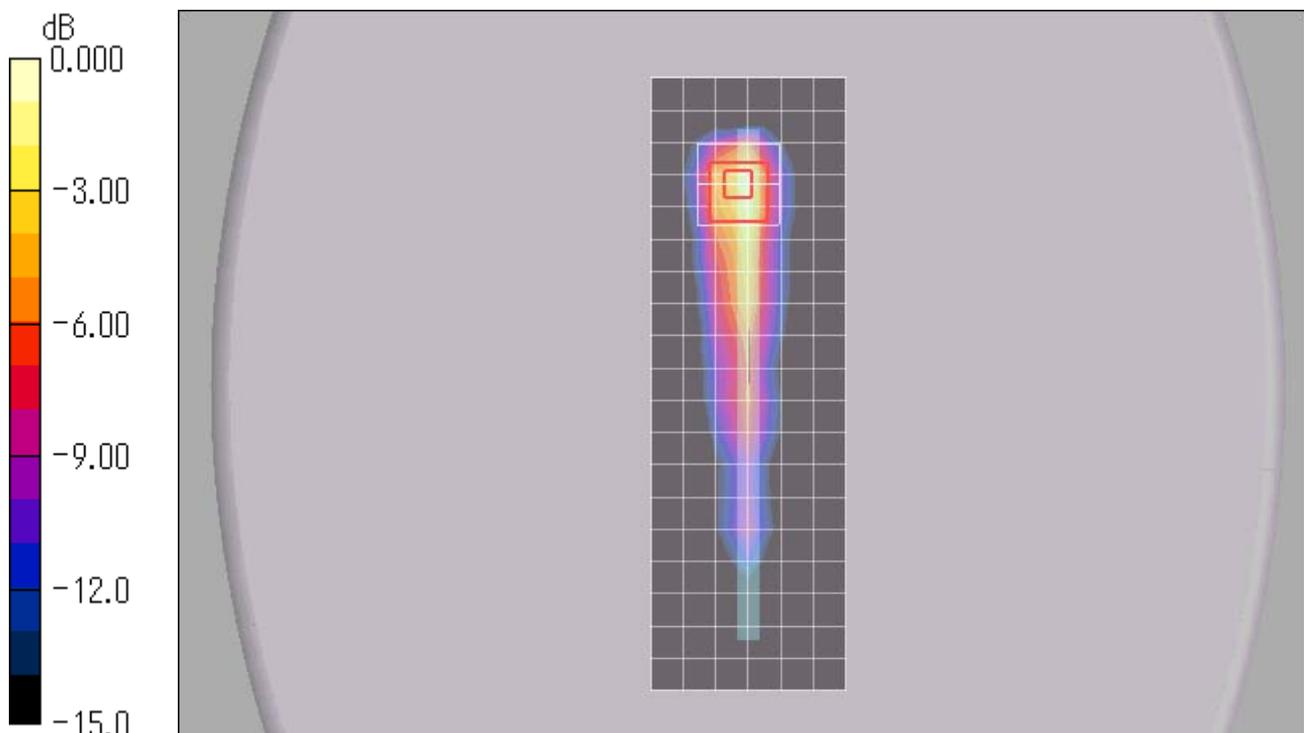
**Left/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.0 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.518 W/kg

**SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.100 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.370 mW/g



**Appendix 2 – SAR Test Plots (WLAN 5 GHz)**

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 36ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.37$  mho/m;  $\epsilon_r = 47.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (17x24x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.969 mW/g

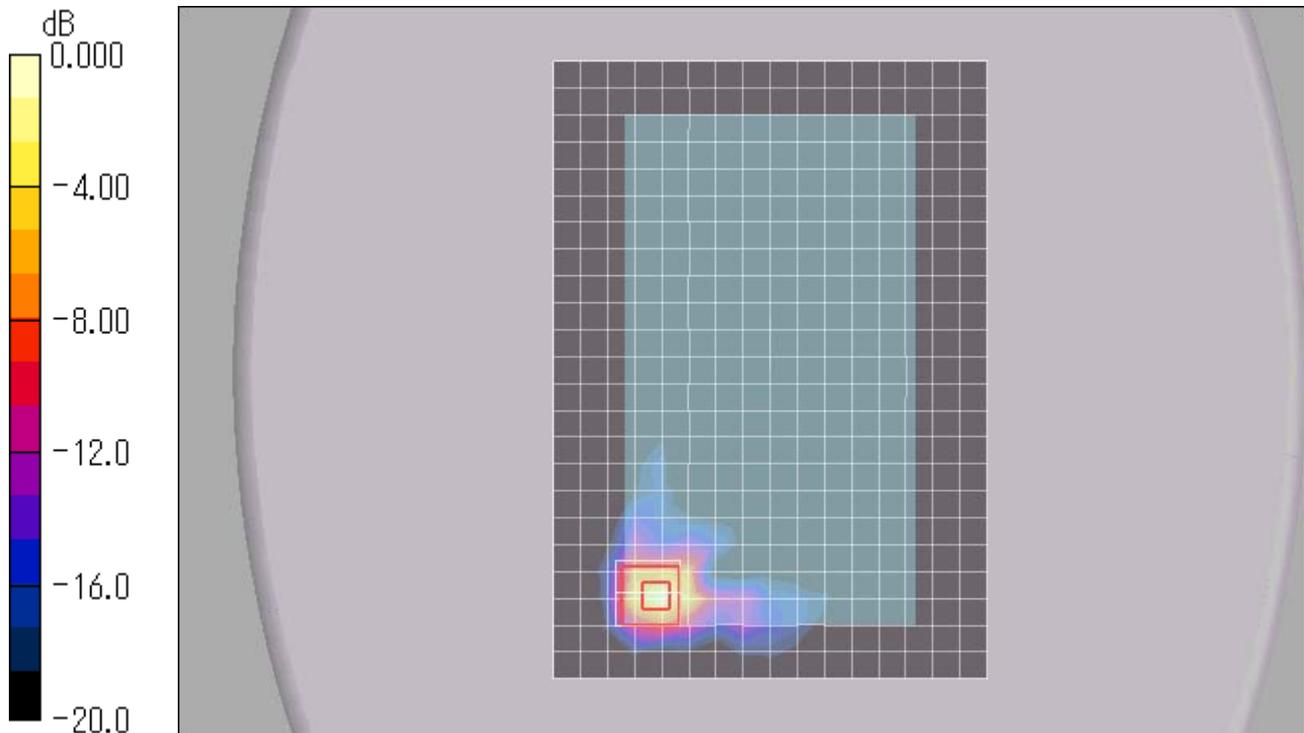
**Rear/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.92 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 2.40 W/kg

**SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 36ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.37$  mho/m;  $\epsilon_r = 47.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

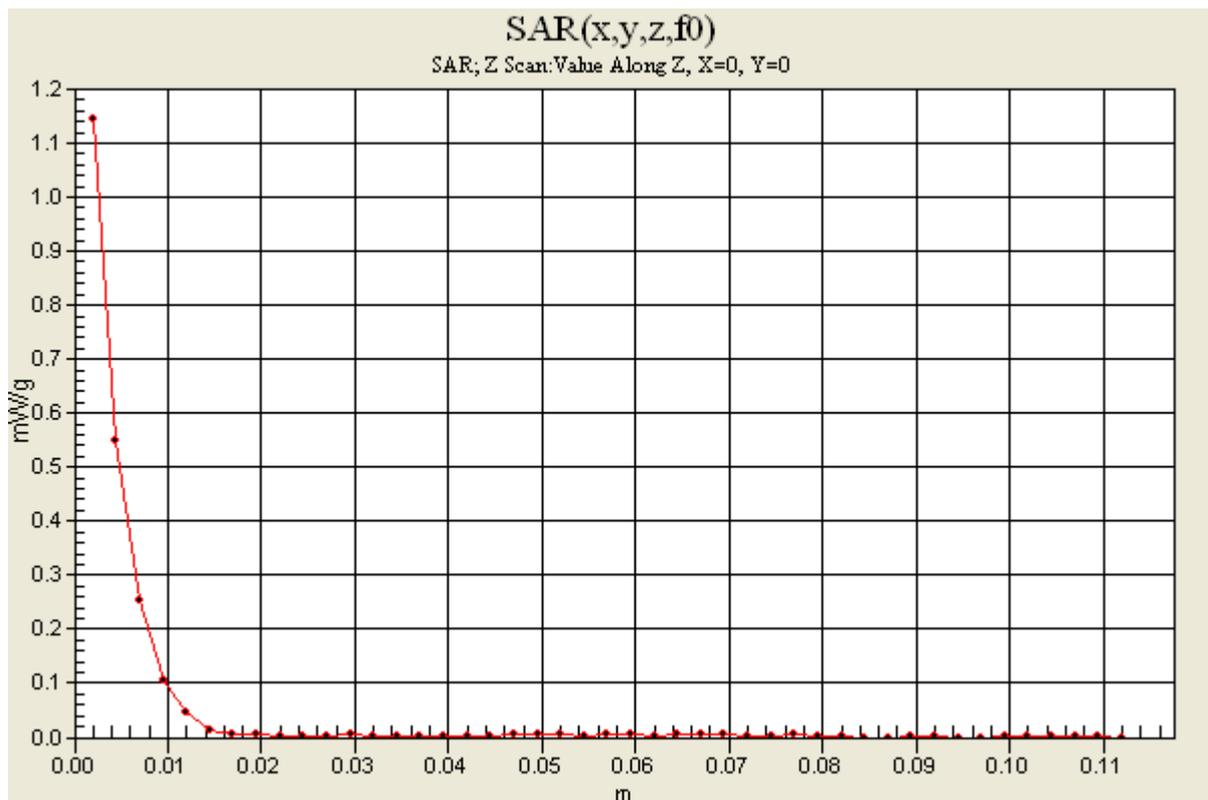
Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Maximum value of SAR (measured) = 1.14 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 36ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.37$  mho/m;  $\epsilon_r = 47.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Top/Area Scan (7x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.607 mW/g

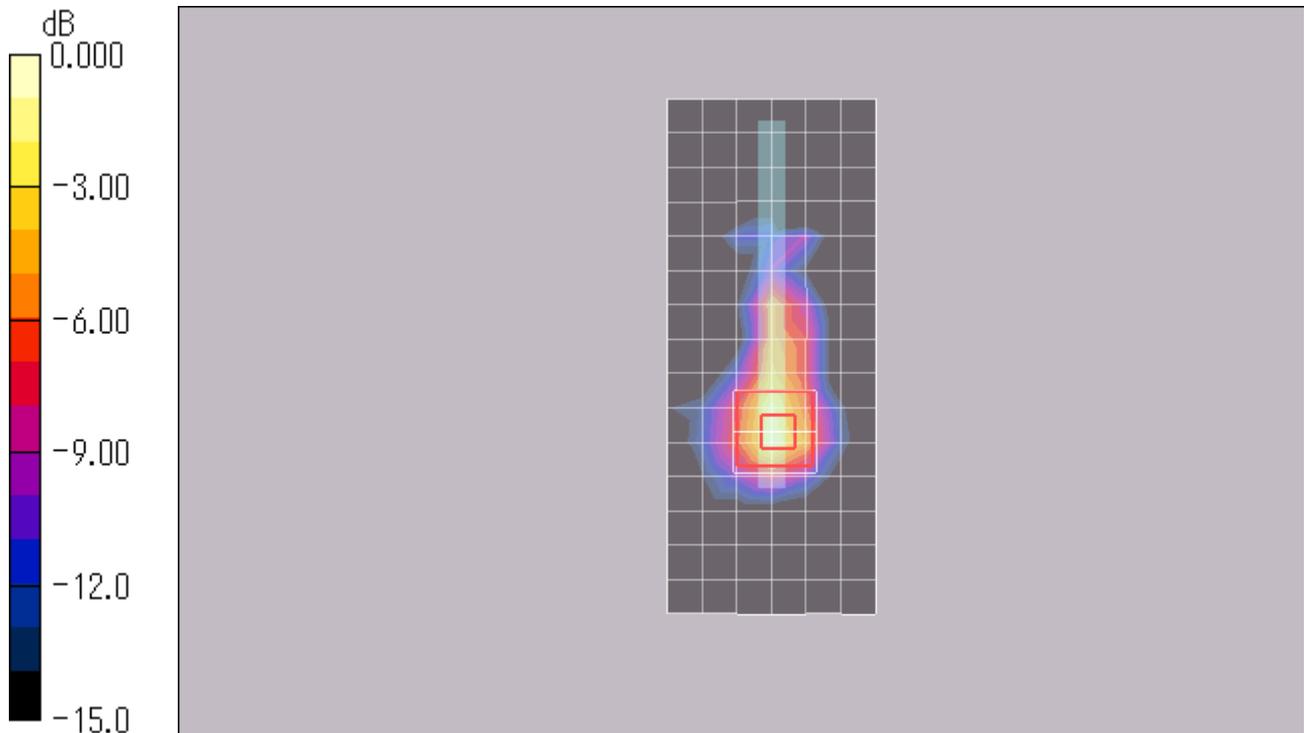
**Top/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.41 V/m; Power Drift = 0.076 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.109 mW/g**

Maximum value of SAR (measured) = 0.711 mW/g



0 dB = 0.711mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 36ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.37$  mho/m;  $\epsilon_r = 47.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.22, 4.22, 4.22); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Left/Area Scan (7x21x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.180 mW/g

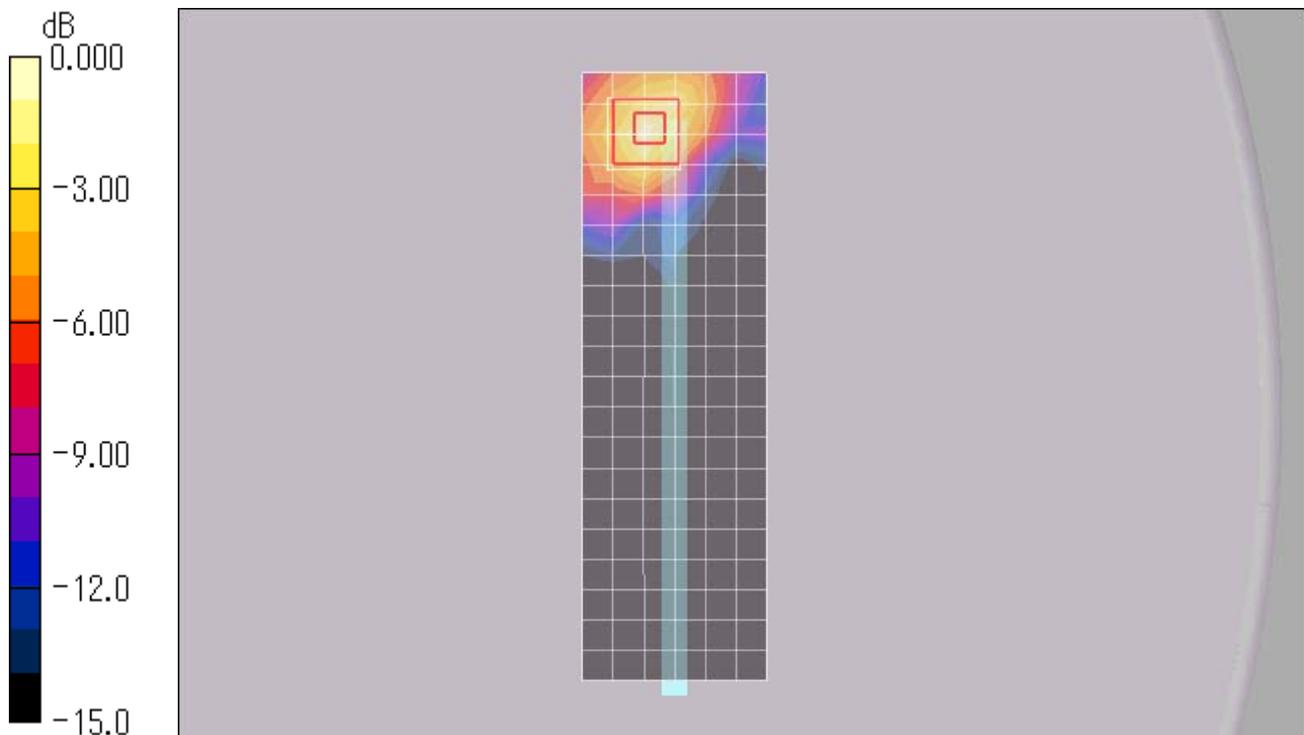
**Left/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.15 V/m; Power Drift = 0.187 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.037 mW/g**

Maximum value of SAR (measured) = 0.203 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 56ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5280 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 5280$  MHz;  $\sigma = 5.5$  mho/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (14x21x1):** Measurement grid: dx=10mm, dy=10mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.819 mW/g

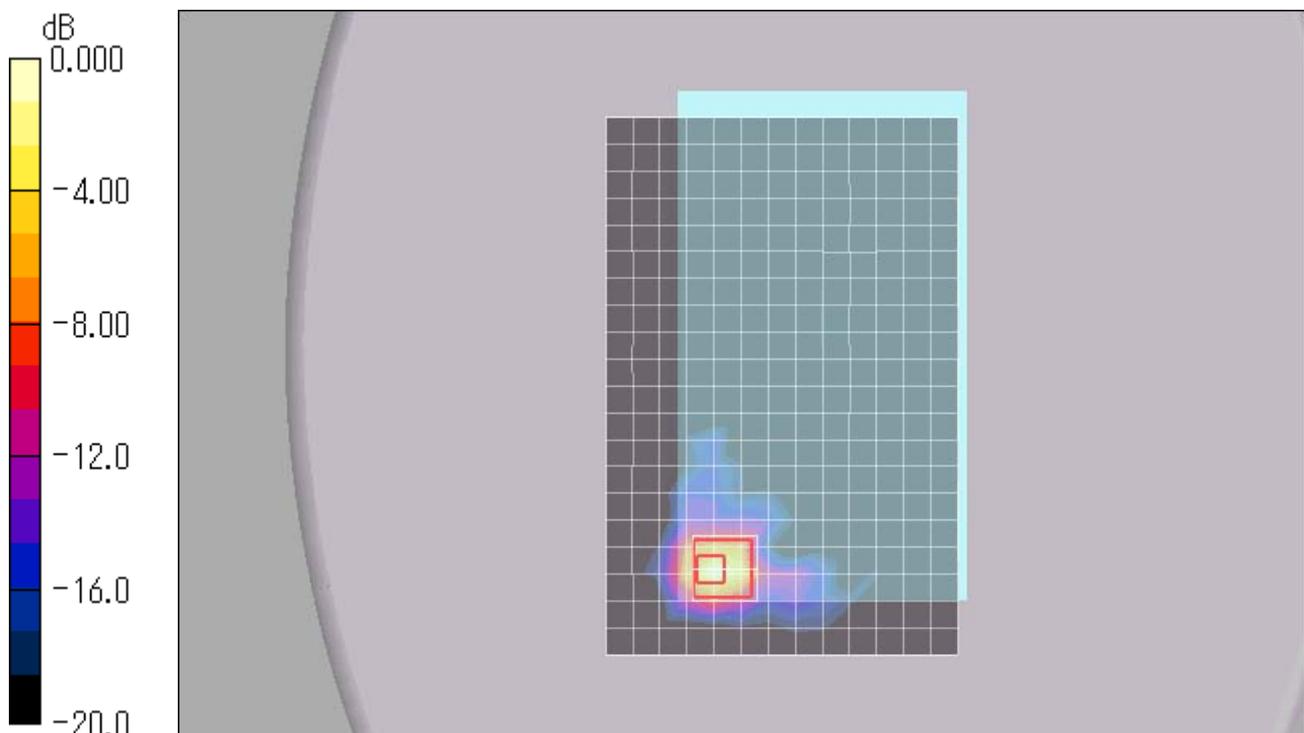
**Rear/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.99 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 2.01 W/kg

**SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.115 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.922 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 56ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5280 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 5280$  MHz;  $\sigma = 5.5$  mho/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

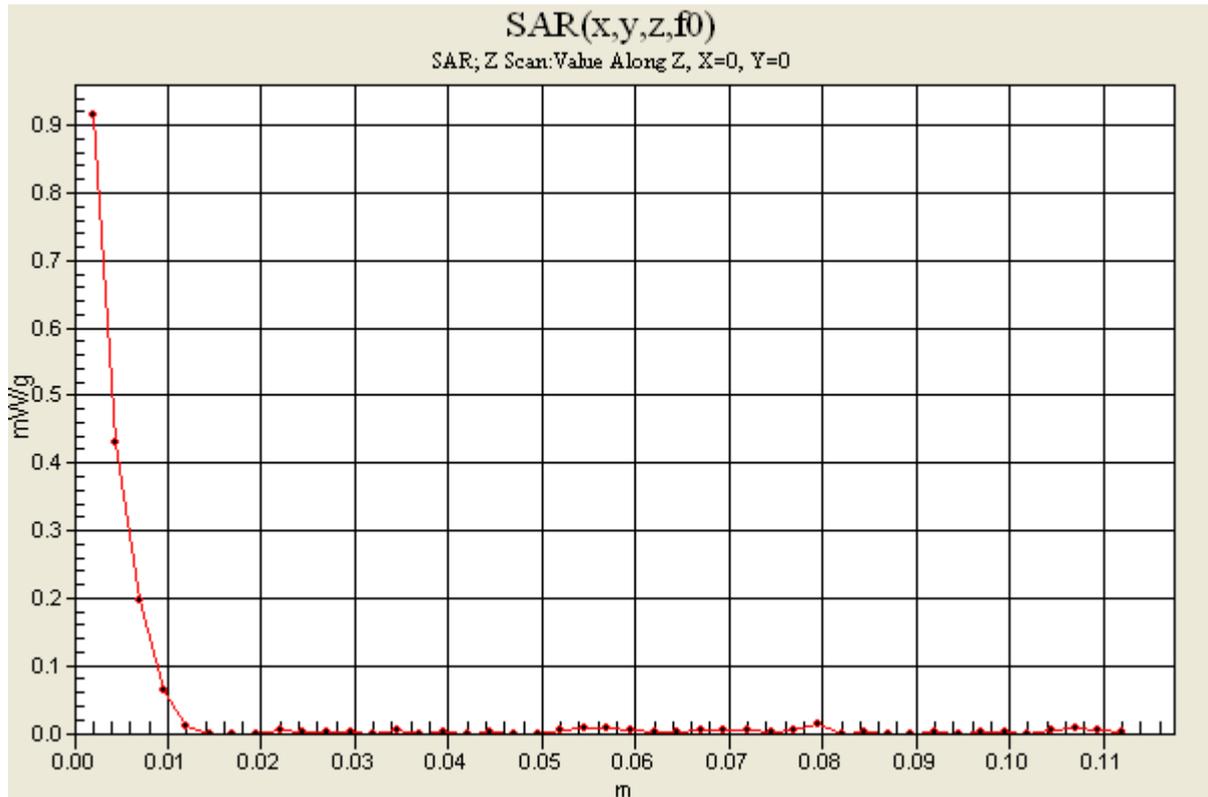
DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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

Maximum value of SAR (measured) = 0.915 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 56ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5280 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 5280$  MHz;  $\sigma = 5.5$  mho/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Top/Area Scan (7x16x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.611 mW/g

**Top/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

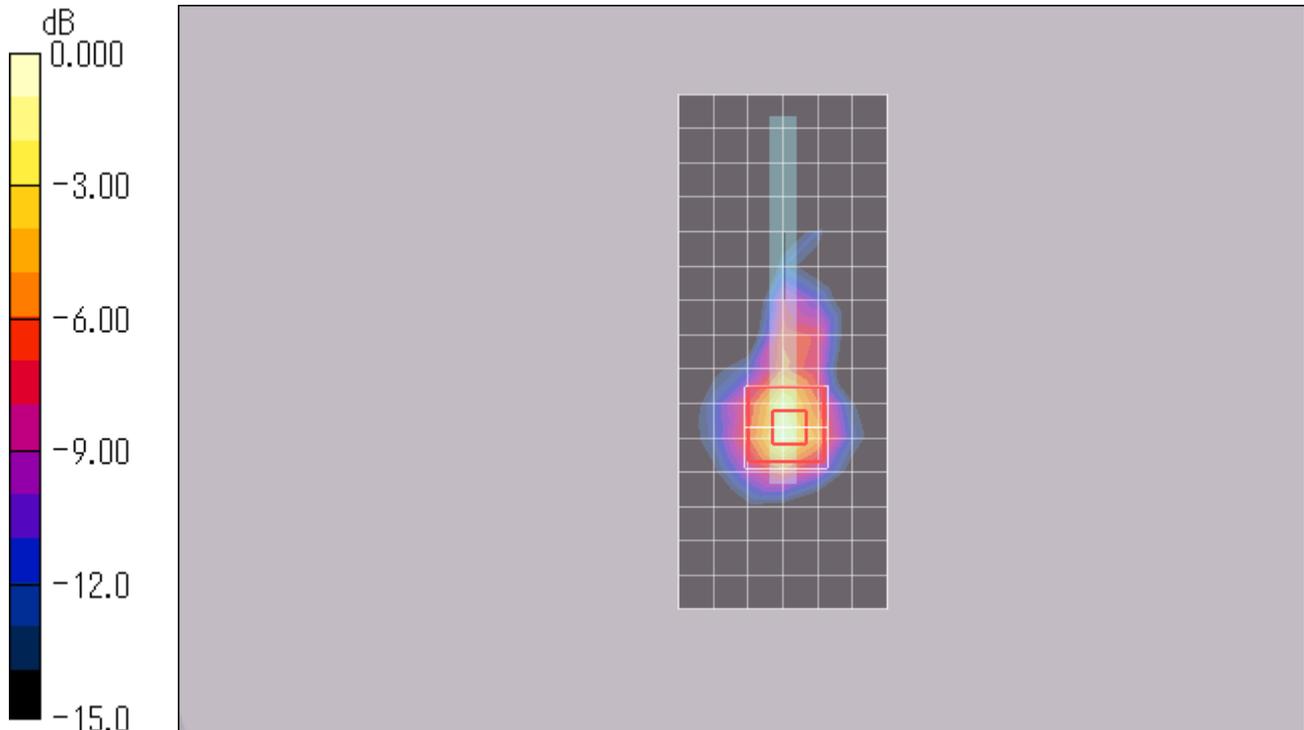
Reference Value = 6.08 V/m; Power Drift = 0.092 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.104 mW/g**

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

Maximum value of SAR (measured) = 0.704 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 56ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5280 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 5280$  MHz;  $\sigma = 5.5$  mho/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Left/Area Scan (8x22x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.206 mW/g

**Left/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

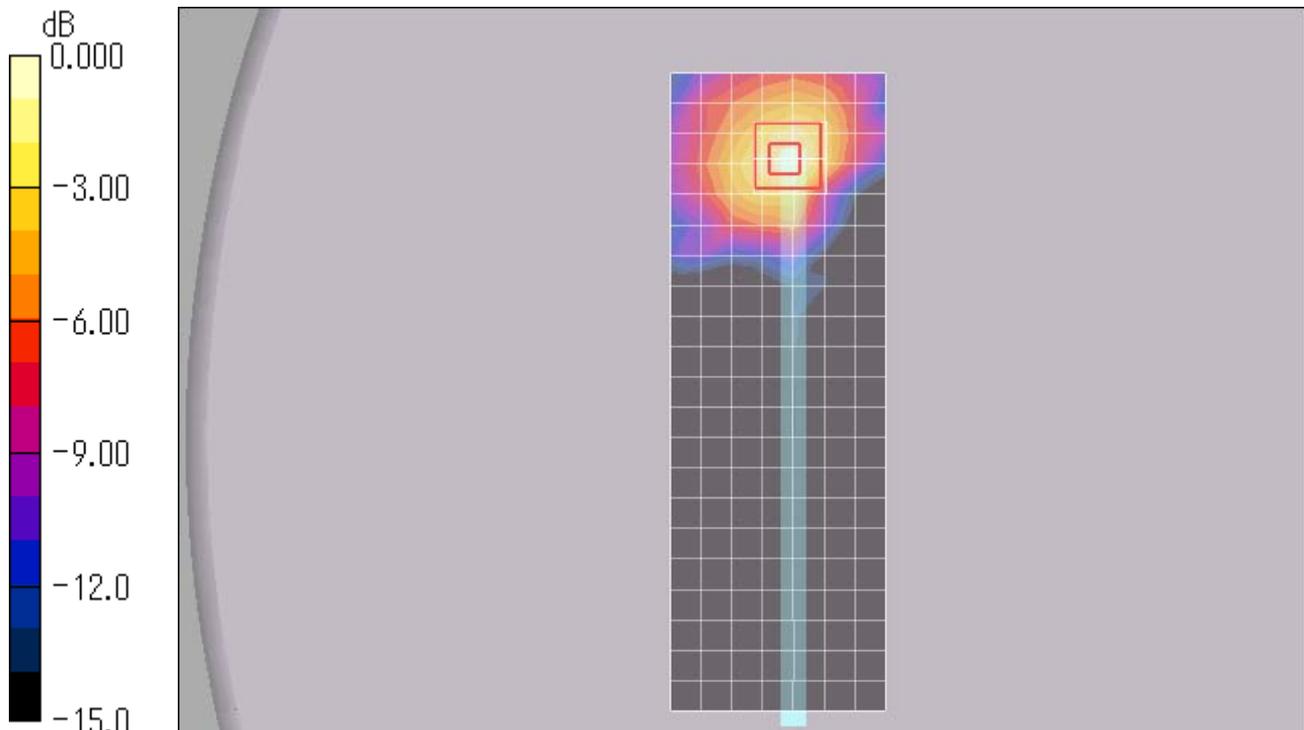
Reference Value = 6.51 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.431 W/kg

**SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.041 mW/g**

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

Maximum value of SAR (measured) = 0.210 mW/g



0 dB = 0.210mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 100ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5500 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.8$  mho/m;  $\epsilon_r = 47.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.938 mW/g

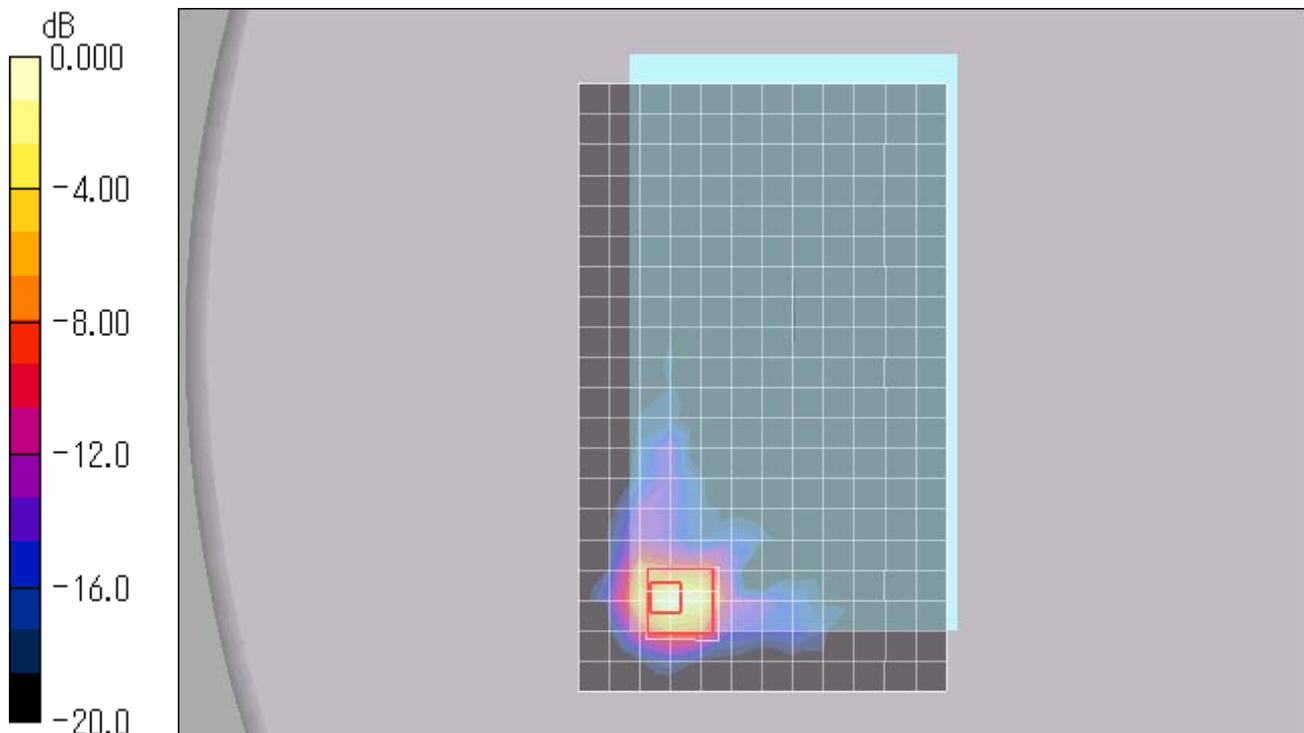
**Rear/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.75 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 2.23 W/kg

**SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.127 mW/g**

Maximum value of SAR (measured) = 0.934 mW/g



0 dB = 0.934mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 116ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5580 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.91$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.15 mW/g

**Rear/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

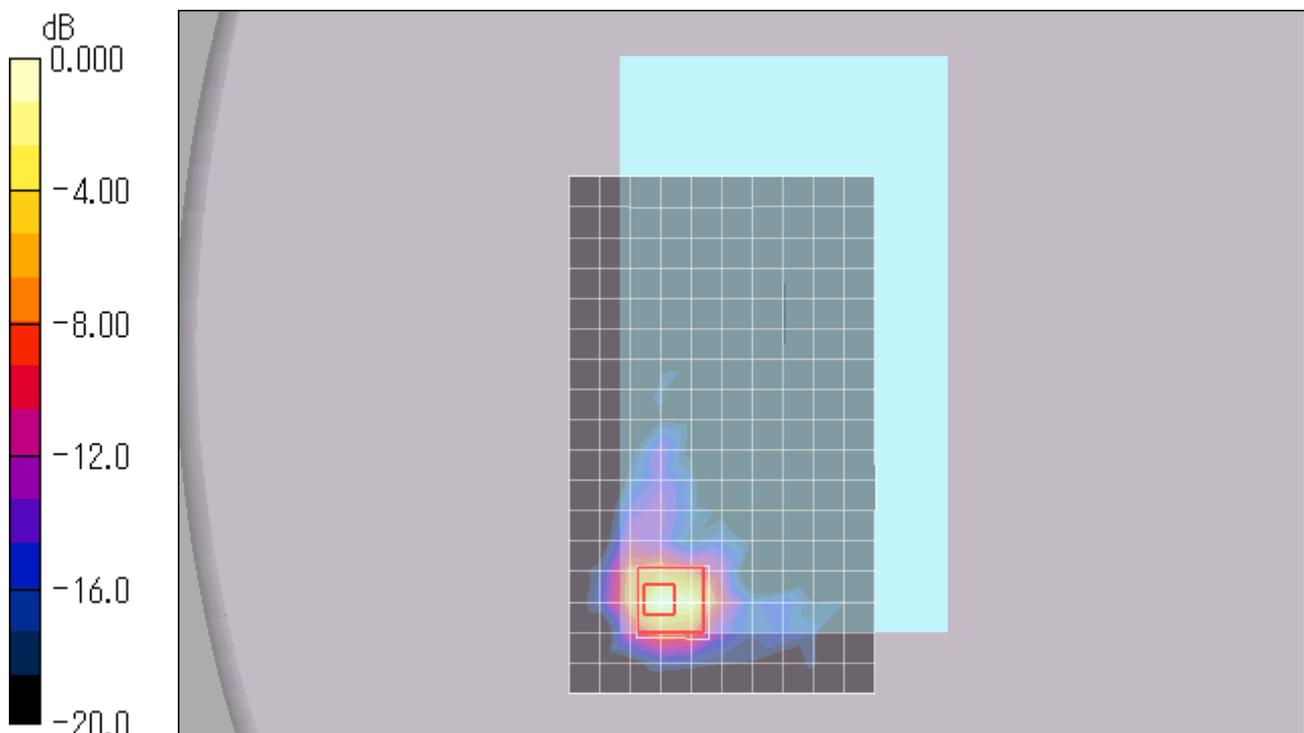
Reference Value = 9.88 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 2.88 W/kg

**SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.154 mW/g**

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

Maximum value of SAR (measured) = 1.17 mW/g



0 dB = 1.17mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 116ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5580 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.91$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

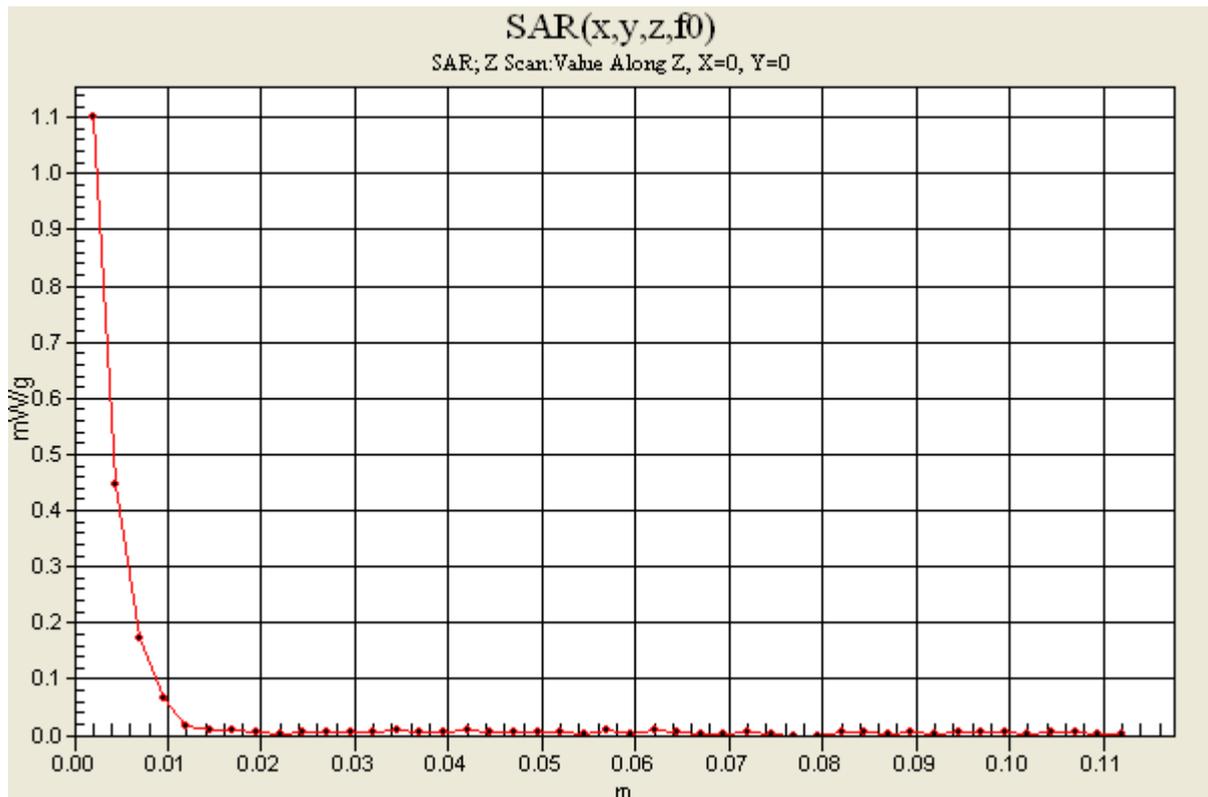
DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Z Scan (1x1x45):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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

Maximum value of SAR (measured) = 1.10 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 136ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5680 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5680$  MHz;  $\sigma = 6.05$  mho/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Rear/Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.02 mW/g

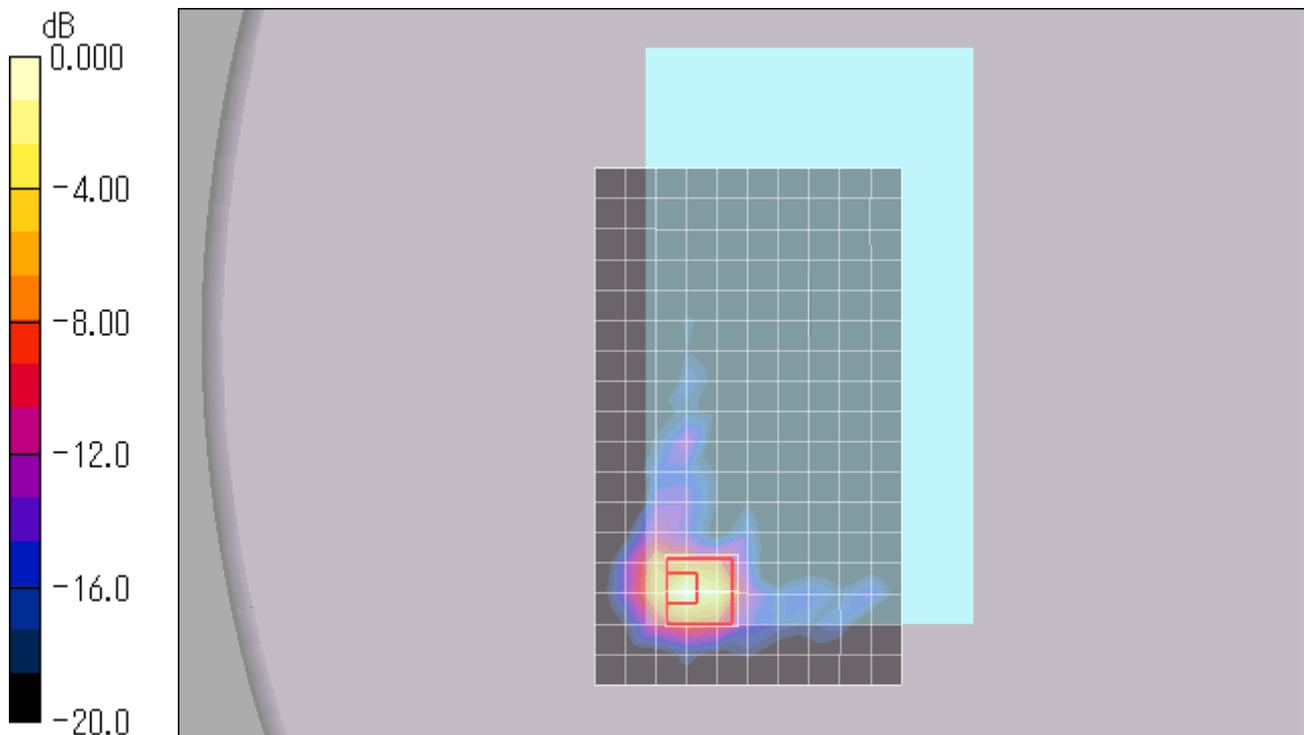
**Rear/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.4 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 2.74 W/kg

**SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.137 mW/g**

Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 100ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5500 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.8$  mho/m;  $\epsilon_r = 47.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Top/Area Scan (7x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.723 mW/g

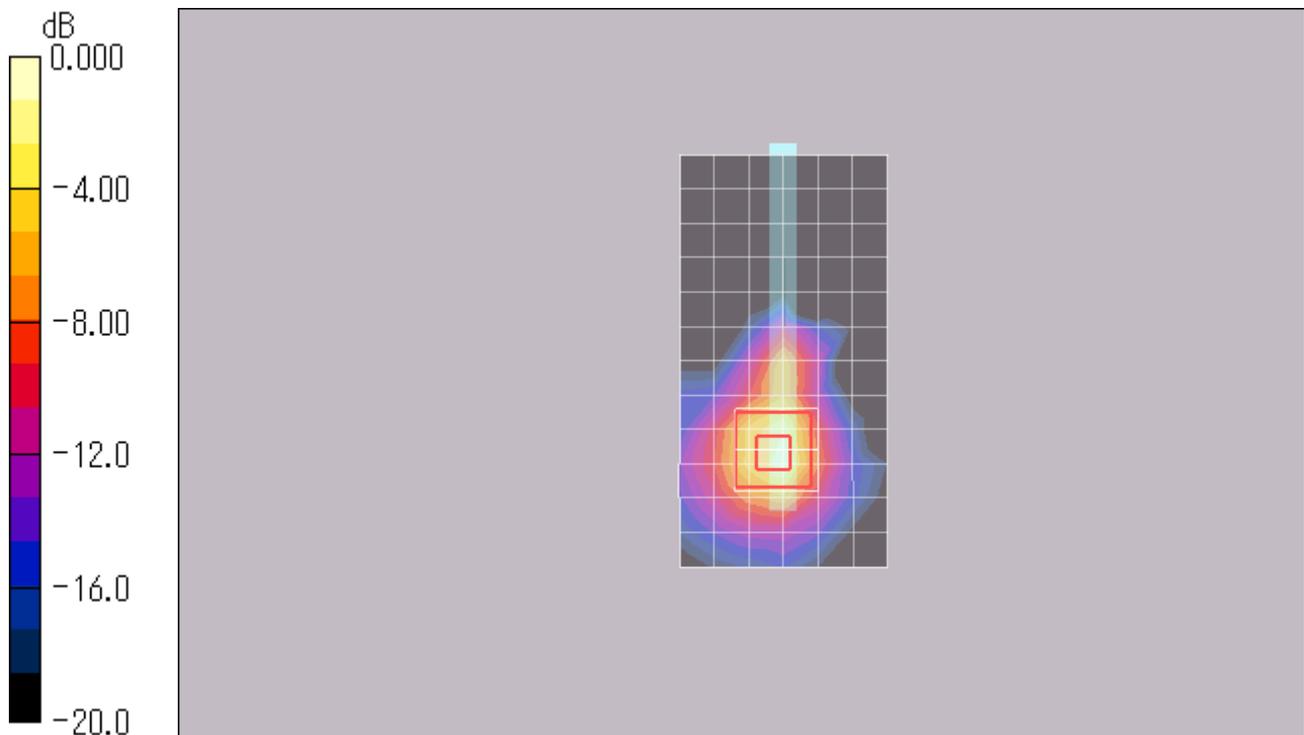
**Top/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.44 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.125 mW/g**

Maximum value of SAR (measured) = 0.782 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 116ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5580 MHz; Duty Cycle: 1:1

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

Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.91$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Top/Area Scan (7x13x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.772 mW/g

**Top/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

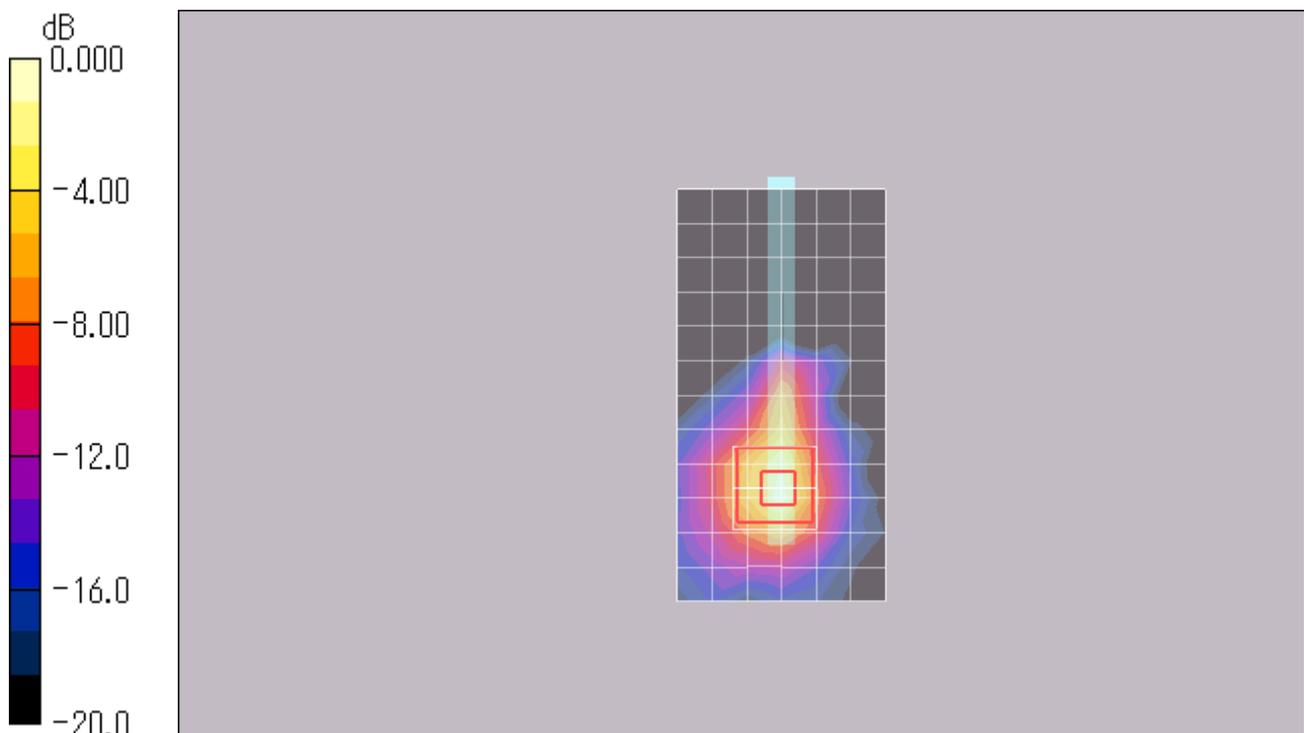
Reference Value = 7.01 V/m; Power Drift = -0.181 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.129 mW/g**

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

Maximum value of SAR (measured) = 0.815 mW/g



0 dB = 0.815mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 136ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5680 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5680$  MHz;  $\sigma = 6.05$  mho/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(3.94, 3.94, 3.94); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Top/Area Scan (7x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.699 mW/g

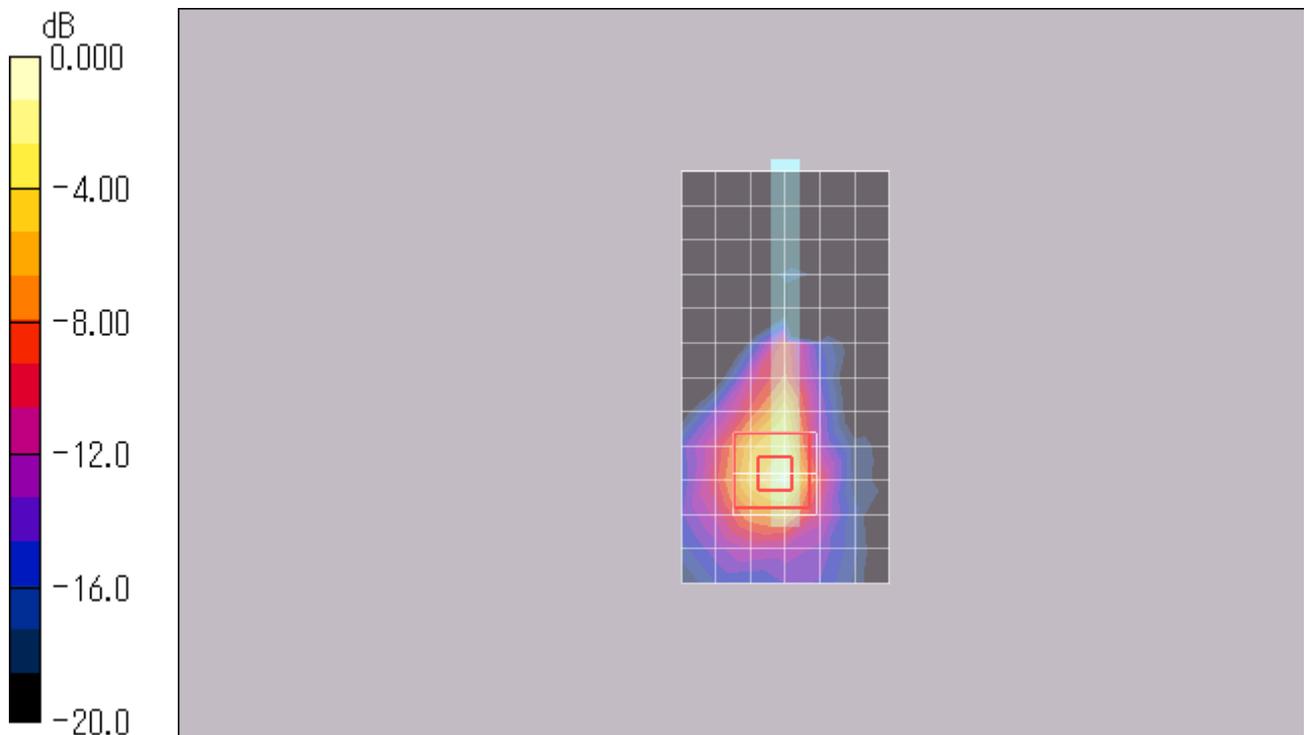
**Top/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.30 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.114 mW/g**

Maximum value of SAR (measured) = 0.810 mW/g



0 dB = 0.810mW/g

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

## Body 100ch / 802.11a 6Mbps

**DUT: Tablet; Type: SH-08E; Serial: 004401114855147**

Communication System: WLAN; Frequency: 5500 MHz; Duty Cycle: 1:1

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

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.8$  mho/m;  $\epsilon_r = 47.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/09/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 2012/11/05
- Phantom: ELI4; Type: QD OVA 001 BB; Serial: 1063

**Left/Area Scan (8x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.230 mW/g

**Left/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.21 V/m; Power Drift = 0.105 dB

Peak SAR (extrapolated) = 0.587 W/kg

**SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.270 mW/g

