



Attachment 2 – SAR Test Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 4132ch (826.4MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

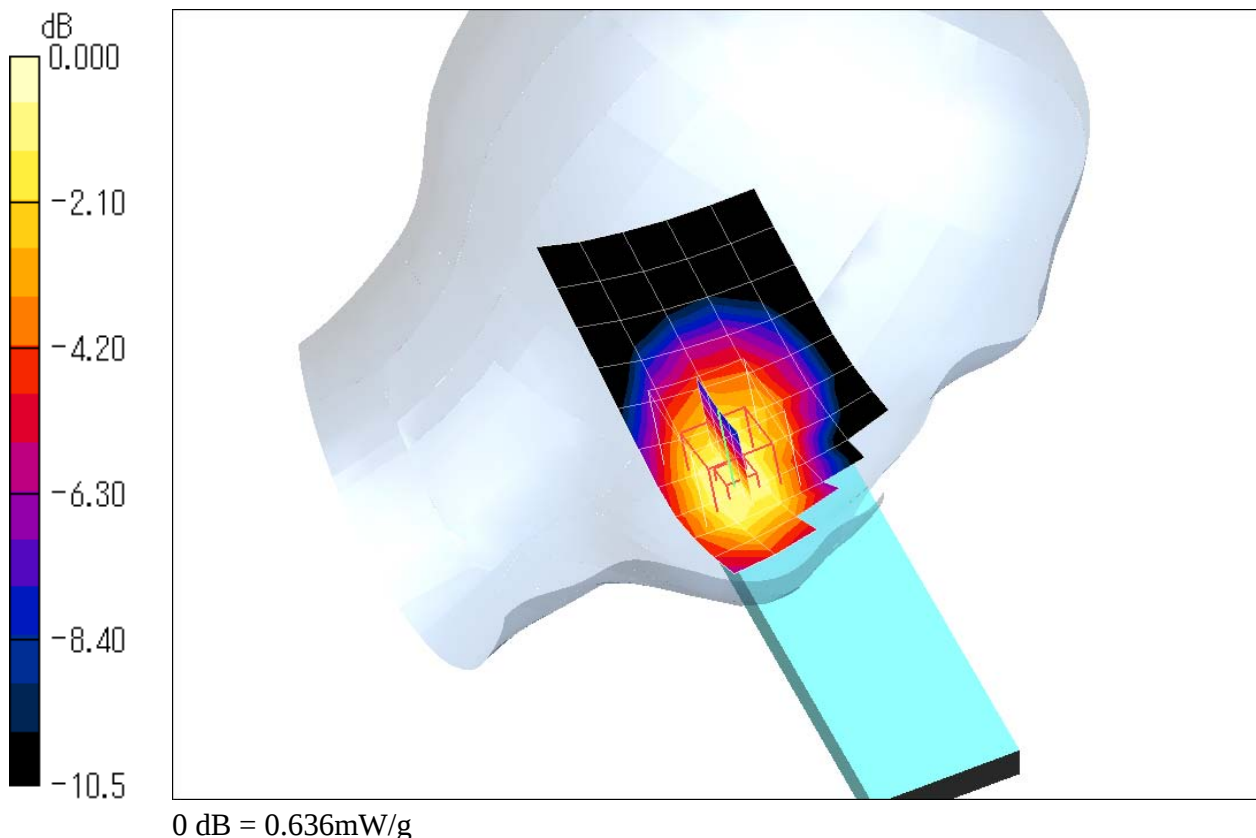
Medium: HSL900 Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.554 mW/g **Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 23.0 V/m ; Power Drift = 0.004 dB Peak SAR (extrapolated) = 0.829 W/kg **SAR(1 g) = 0.589 mW/g ; SAR(10 g) = 0.397 mW/g** Maximum value of SAR (measured) = 0.636 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 4182ch (836.4MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

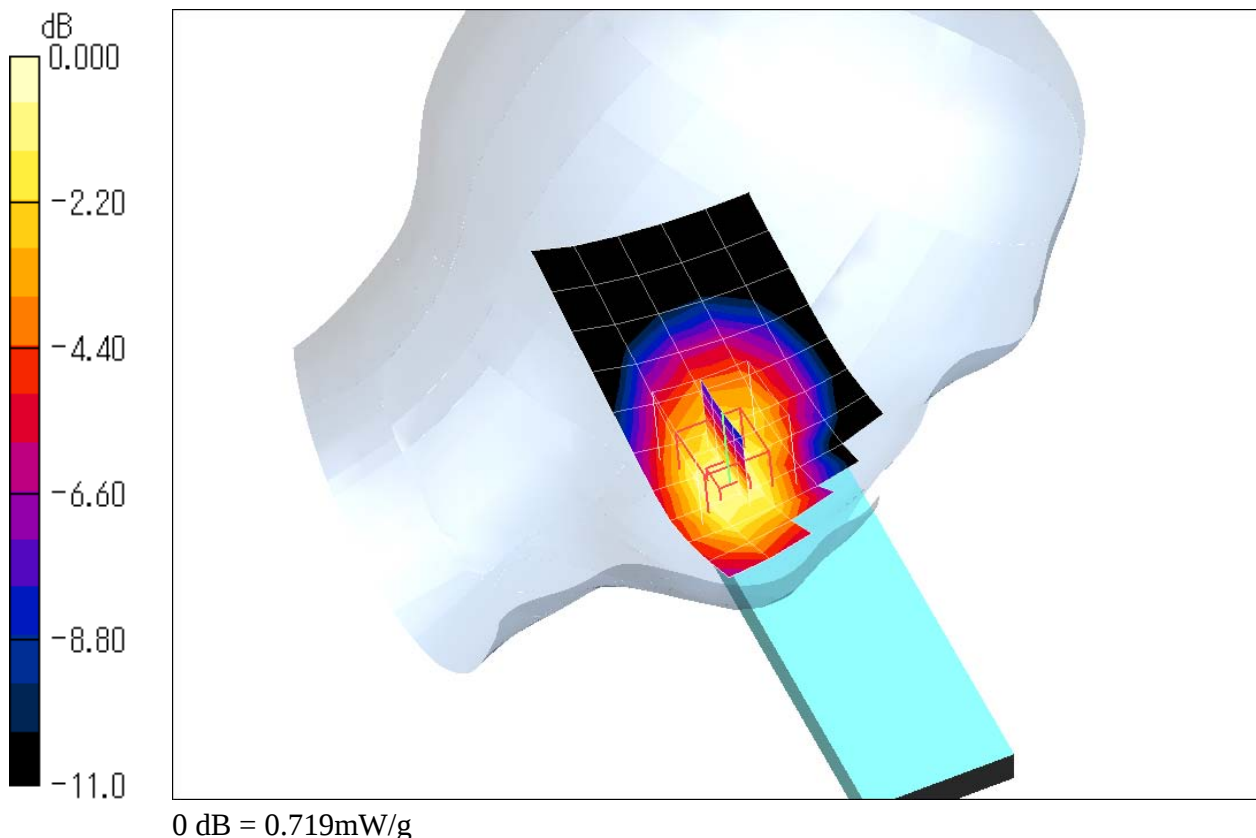
Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.889 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.624 mW/g **Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 24.1 V/m ; Power Drift = 0.015 dB Peak SAR (extrapolated) = 0.933 W/kg **SAR(1 g) = 0.663 mW/g ; SAR(10 g) = 0.443 mW/g** Maximum value of SAR (measured) = 0.719 mW/g 

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Left Head, Cheek/Touch 4182ch (836.4MHz)

DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.889 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

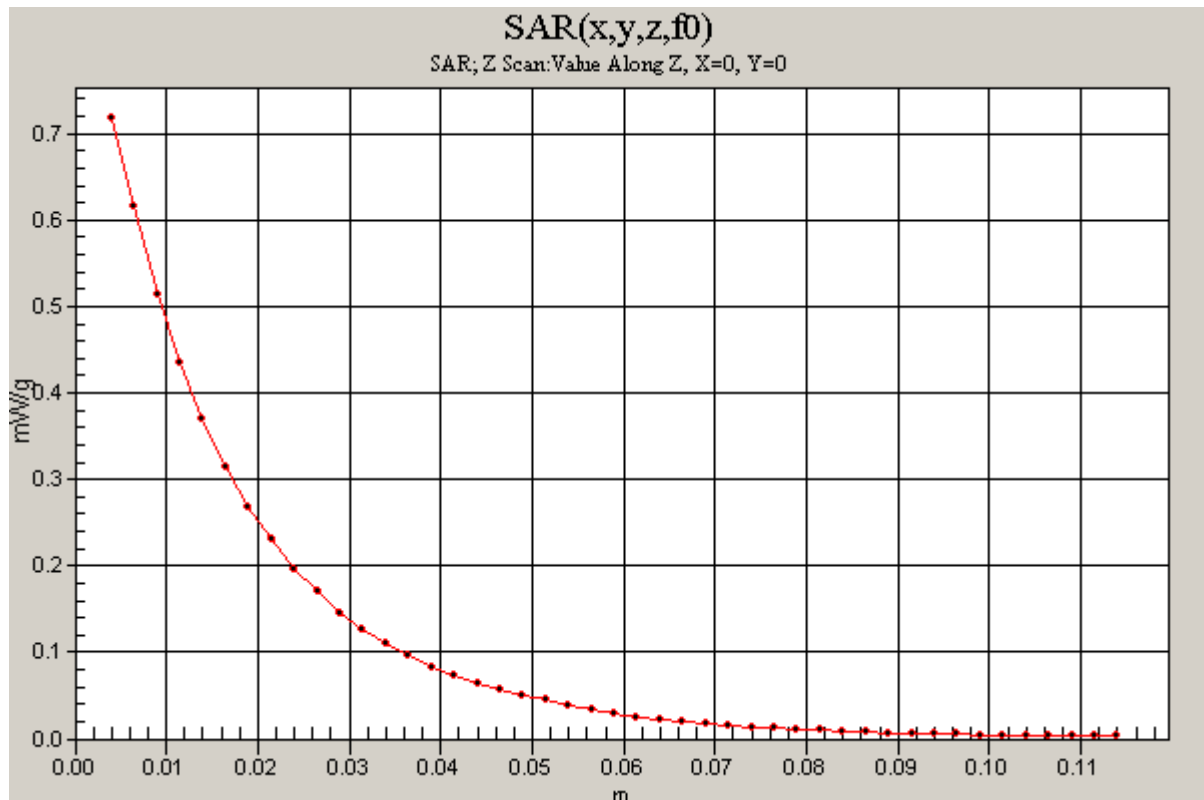
Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Z Scan (1x1x45): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2.5\text{mm}$
Maximum value of SAR (measured) = 0.718 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Cheek/Touch 4233ch (846.6MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

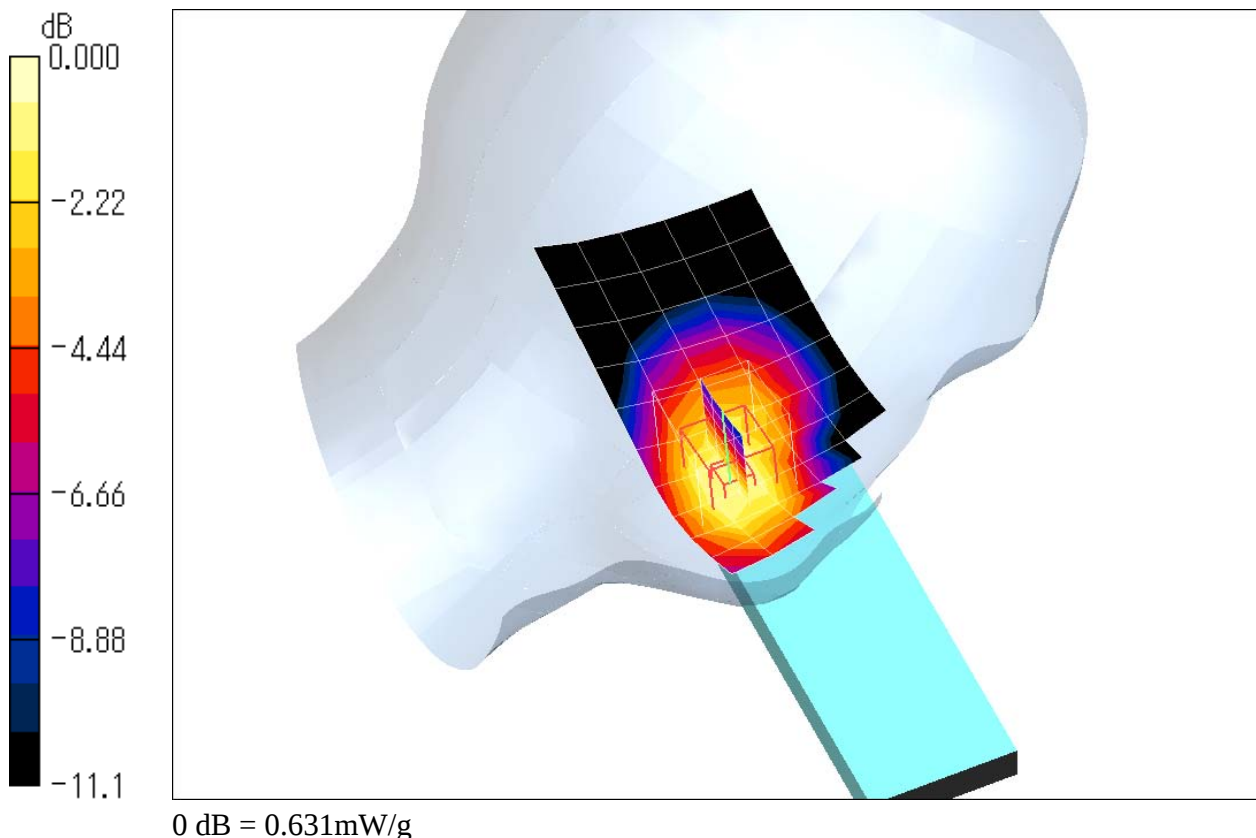
Medium: HSL900 Medium parameters used: $f = 846.6 \text{ MHz}$; $\sigma = 0.898 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.544 mW/g **Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 22.6 V/m ; Power Drift = -0.034 dB Peak SAR (extrapolated) = 0.828 W/kg **SAR(1 g) = 0.582 mW/g ; SAR(10 g) = 0.388 mW/g** Maximum value of SAR (measured) = 0.631 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Left Head, Ear/Tilt 4182ch (836.4MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

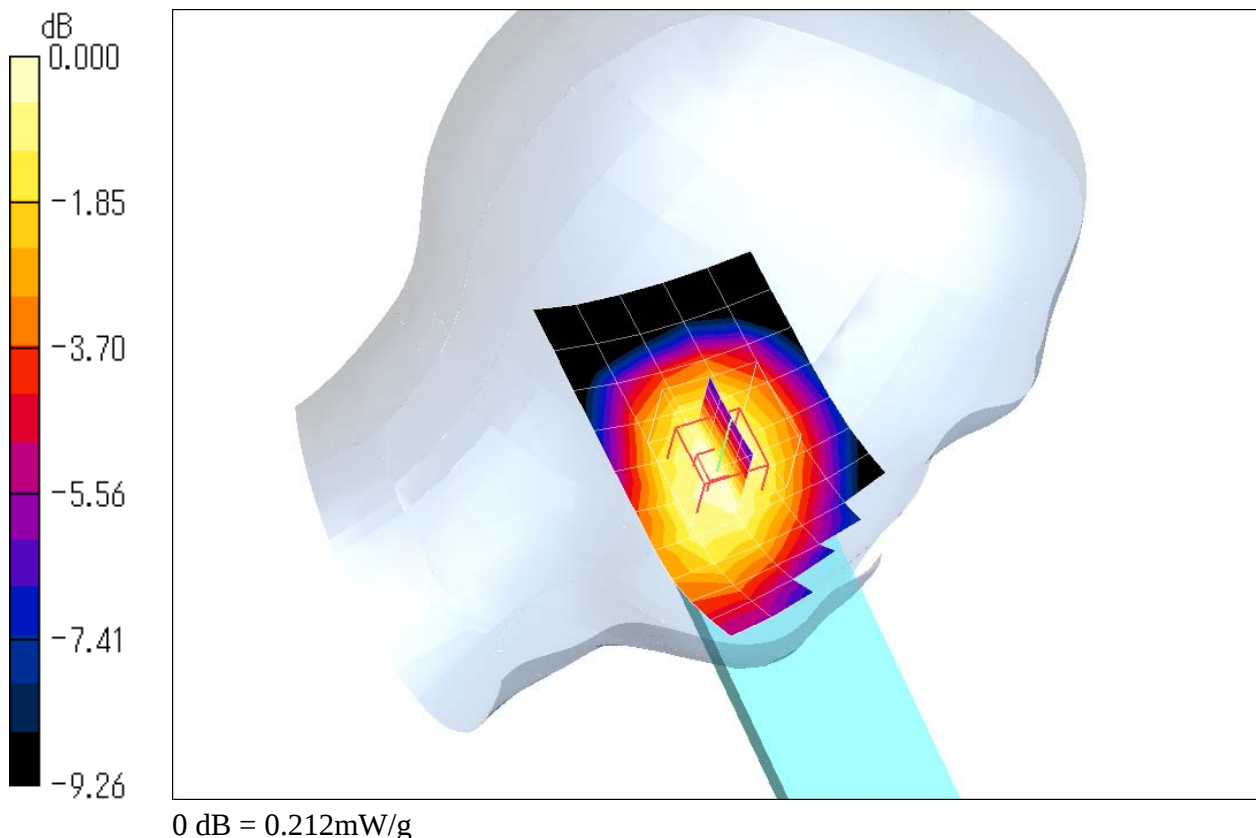
Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.889 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt Position/Area Scan (11x6x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.210 mW/g **Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 15.2 V/m ; Power Drift = 0.014 dB Peak SAR (extrapolated) = 0.251 W/kg **SAR(1 g) = 0.202 mW/g ; SAR(10 g) = 0.153 mW/g** Maximum value of SAR (measured) = 0.212 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head, Cheek/Touch 4182ch (836.4MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

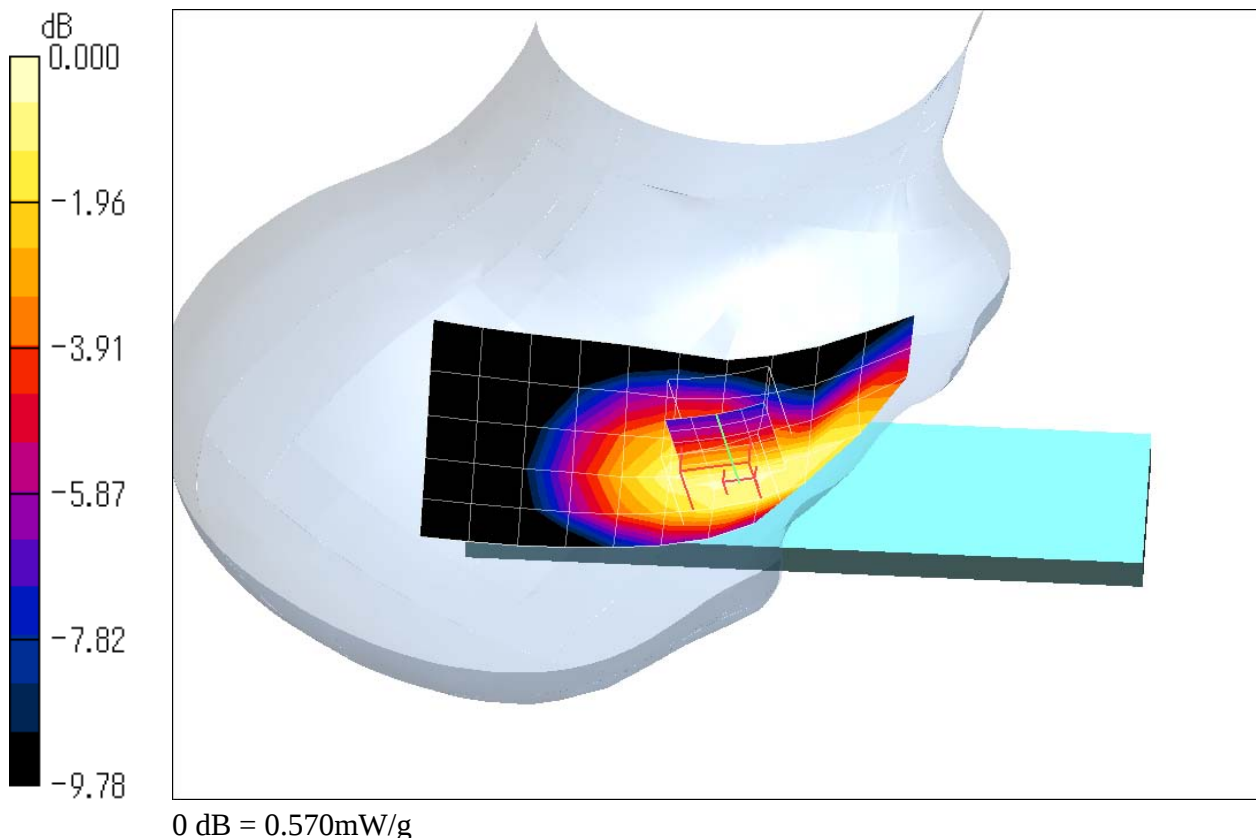
Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.889 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch Position/Area Scan (11x6x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.554 mW/g **Cheek/Touch Position/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 23.9 V/m ; Power Drift = -0.044 dB Peak SAR (extrapolated) = 0.712 W/kg **SAR(1 g) = 0.533 mW/g ; SAR(10 g) = 0.379 mW/g** Maximum value of SAR (measured) = 0.570 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Right Head, Ear/Tilt 4182ch (836.4MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.889 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.29, 6.29, 6.29); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt Position/Area Scan (11x6x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.209 mW/g

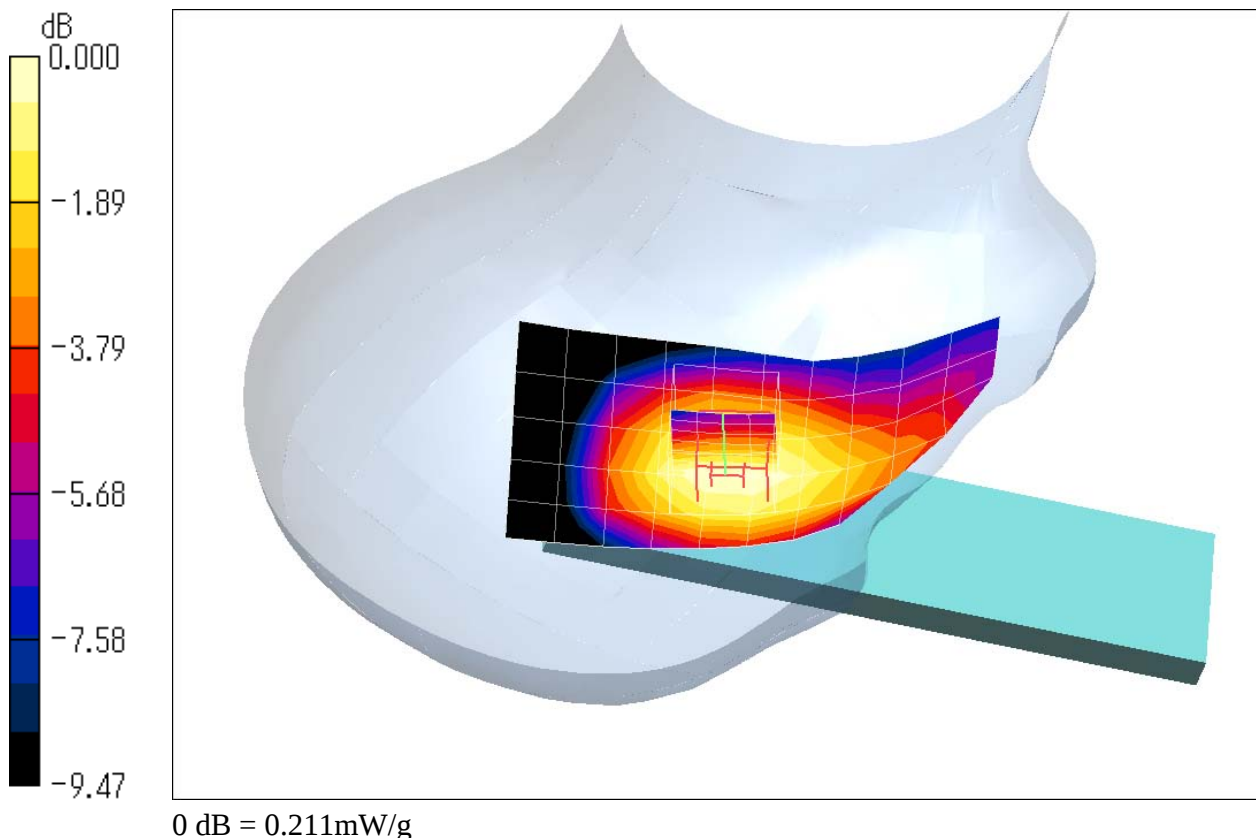
Ear/Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.1 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.211 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn 4132ch (826.4MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

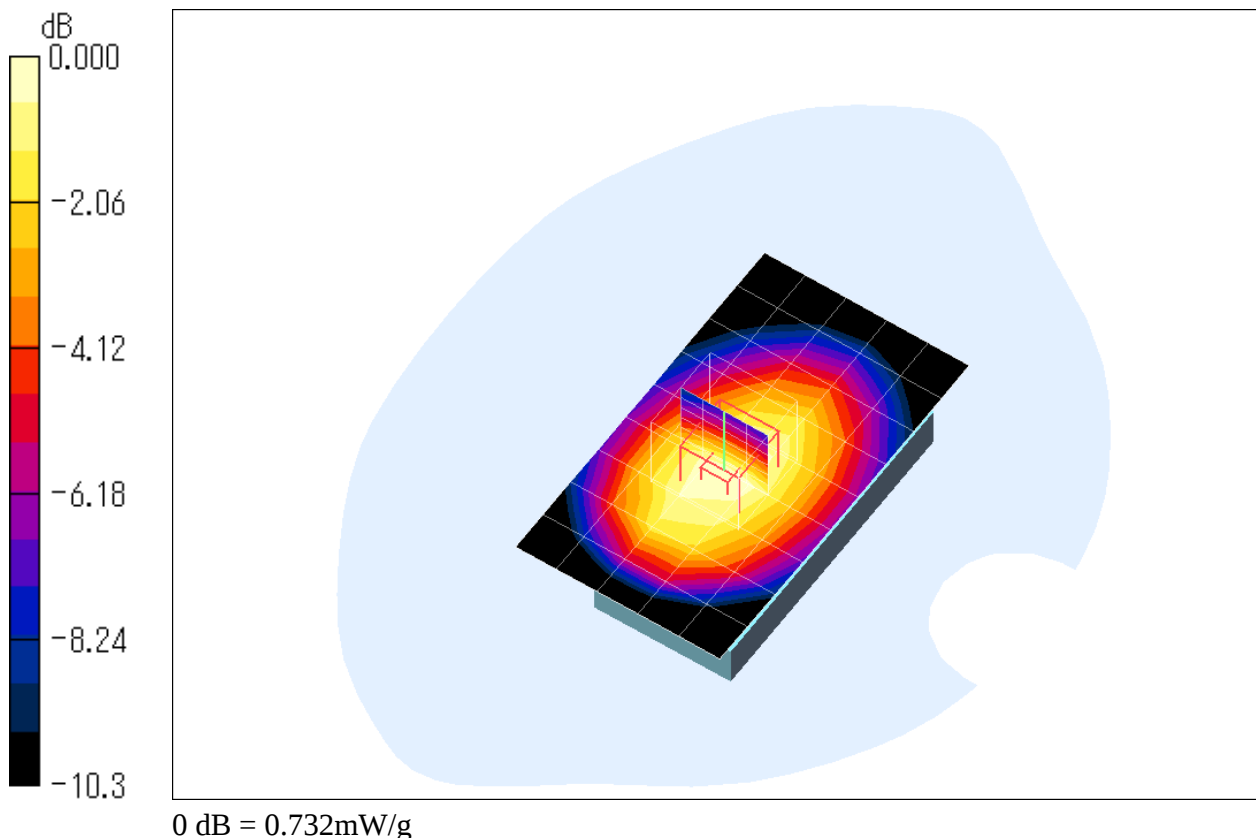
Medium: M900 Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.942 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.691 mW/g **Body-worn/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 28.8 V/m ; Power Drift = -0.015 dB Peak SAR (extrapolated) = 0.898 W/kg **SAR(1 g) = 0.690 mW/g ; SAR(10 g) = 0.495 mW/g** Maximum value of SAR (measured) = 0.732 mW/g 

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Body-worn 4182ch (836.4MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

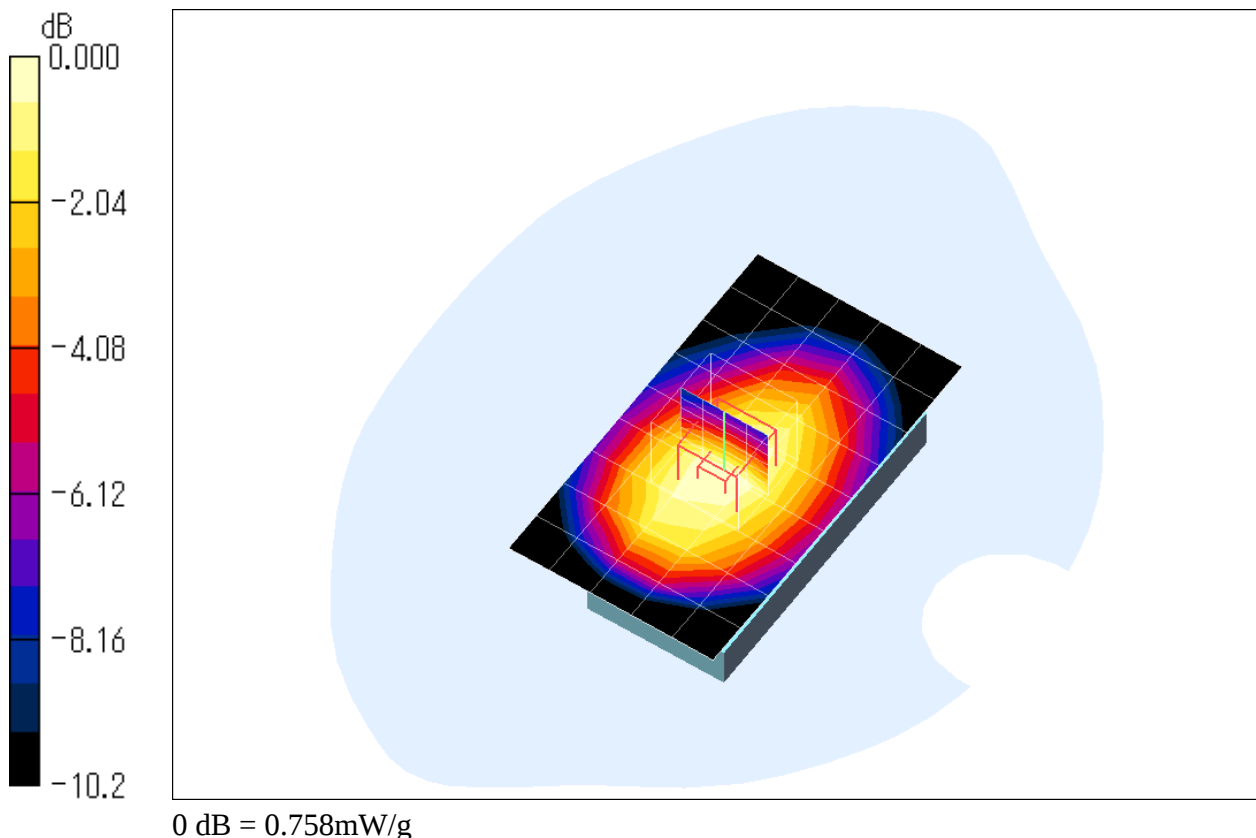
Medium: M900 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.951 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.718 mW/g **Body-worn/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 29.2 V/m ; Power Drift = -0.022 dB Peak SAR (extrapolated) = 0.927 W/kg **SAR(1 g) = 0.712 mW/g ; SAR(10 g) = 0.512 mW/g** Maximum value of SAR (measured) = 0.758 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn 4233ch (846.6MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

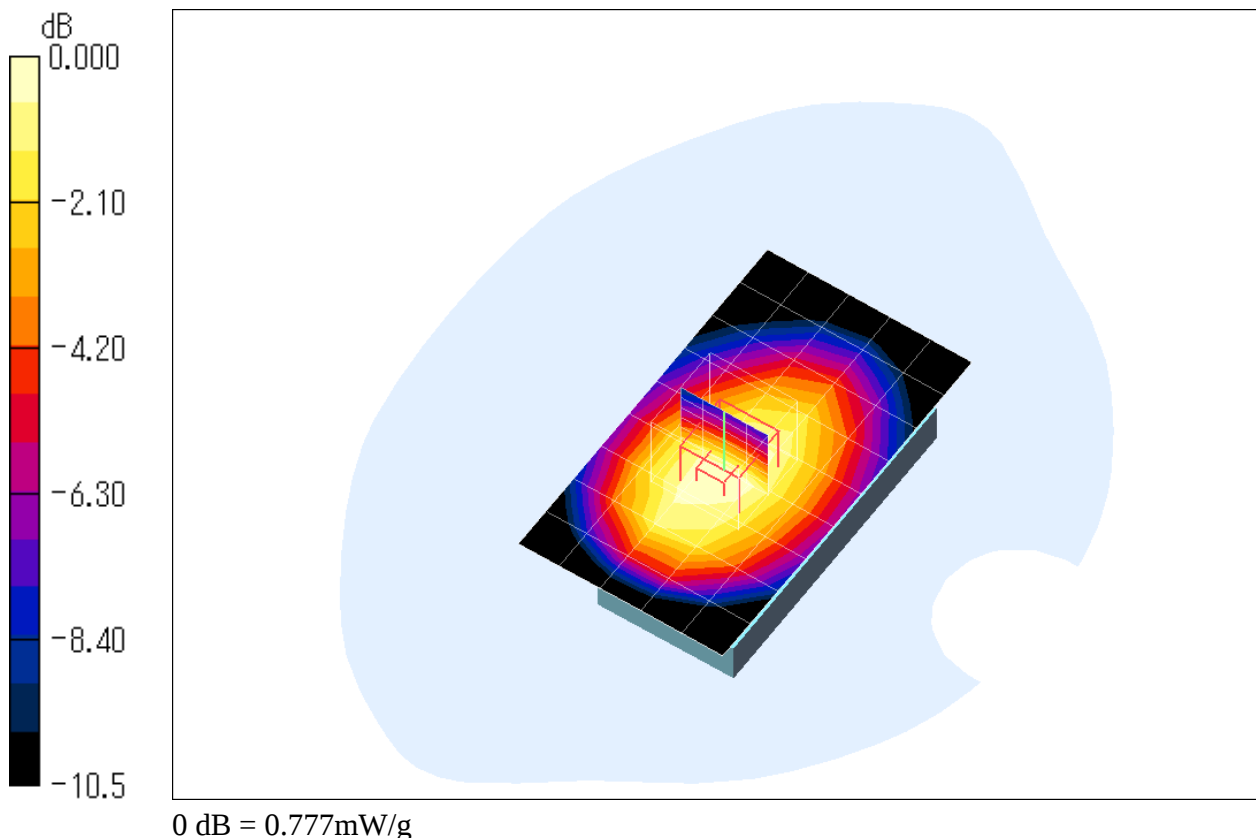
Medium: M900 Medium parameters used: $f = 846.6 \text{ MHz}$; $\sigma = 0.962 \text{ mho/m}$; $\epsilon_r = 54.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.737 mW/g **Body-worn/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 29.1 V/m ; Power Drift = 0.000 dB Peak SAR (extrapolated) = 0.970 W/kg **SAR(1 g) = 0.735 mW/g ; SAR(10 g) = 0.525 mW/g** Maximum value of SAR (measured) = 0.777 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

Body-worn 4233ch (846.6MHz)**DUT: Cellular Phone; Type: SH-05A; Serial: 004401111905226**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: M900 Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.22, 6.22, 6.22); Calibrated: 2008/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2008/10/31
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Z Scan (1x1x45): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Maximum value of SAR (measured) = 0.777 mW/g

