

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Right Slide Up (Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0777, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 848.31 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 30.6 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 1.14 W/kg

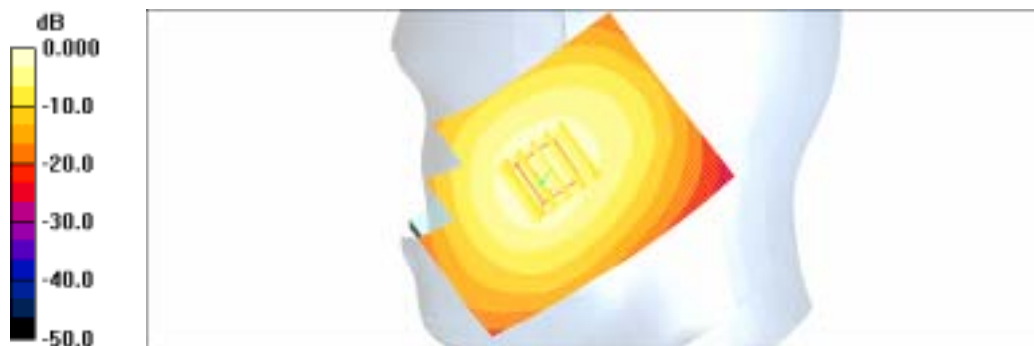
**SAR(1 g) = 0.788 mW/g**

Maximum value of SAR (measured) = 0.872 mW/g

**Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

$dx=20\text{mm}$ ,  $dy=20\text{mm}$

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



0 dB = 0.815mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Right Slide Up (Job No. : FD-231)**

**Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

$dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.263 mW/g

**Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement**

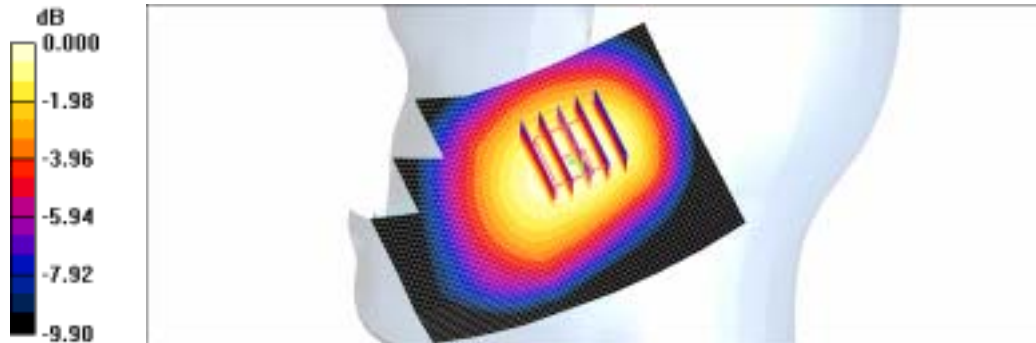
grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 15.5 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.319 W/kg

**SAR(1 g) = 0.244 mW/g**

Maximum value of SAR (measured) = 0.255 mW/g



0 dB = 0.255mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Left Slide Up (Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0384, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 28.3 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.890 W/kg

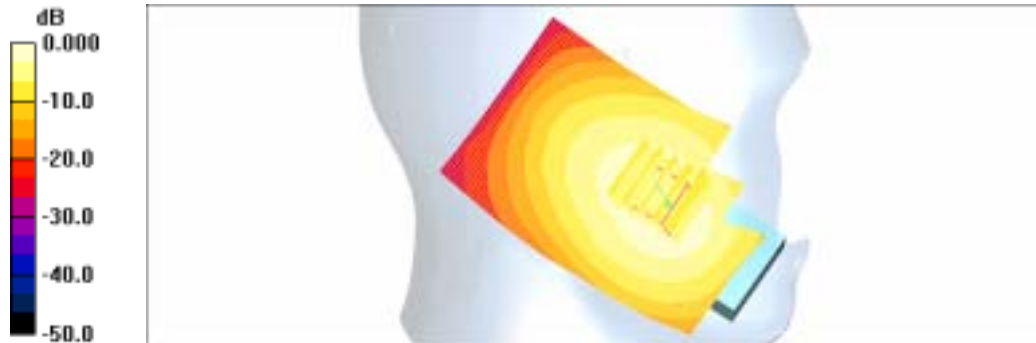
**SAR(1 g) = 0.614 mW/g**

Maximum value of SAR (measured) = 0.650 mW/g

**Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

$dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.604 mW/g



0 dB = 0.604mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Left Slide Up (Job No. : FD-231)**

**Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

$dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.284 mW/g

**Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement**

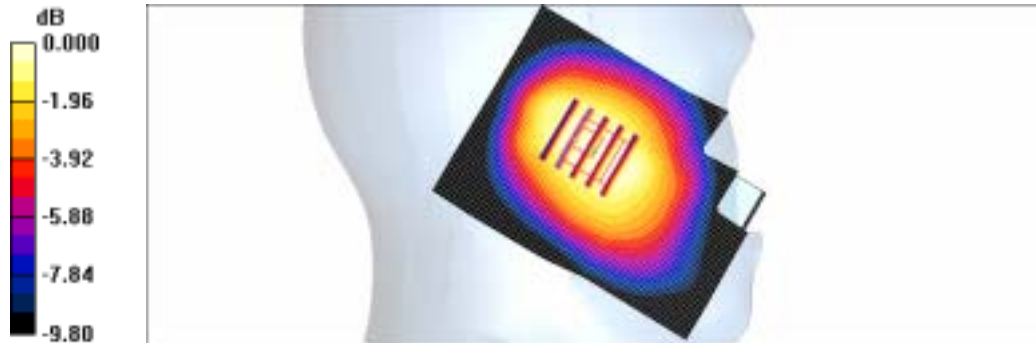
grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.5 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 0.342 W/kg

**SAR(1 g) = 0.259 mW/g**

Maximum value of SAR (measured) = 0.273 mW/g



0 dB = 0.273mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Down); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Right Slide Down (Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0777, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 848.31 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Area Scan (51x71x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.384 mW/g

**Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:**

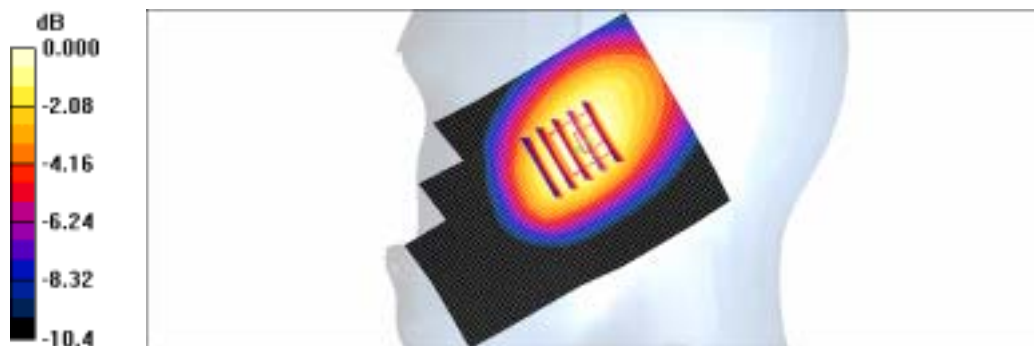
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.3 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 0.454 W/kg

**SAR(1 g) = 0.354 mW/g**

Maximum value of SAR (measured) = 0.372 mW/g



0 dB = 0.372mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Down); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Right Slide Down (Job No. : FD-231)**

**Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

$dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.217 mW/g

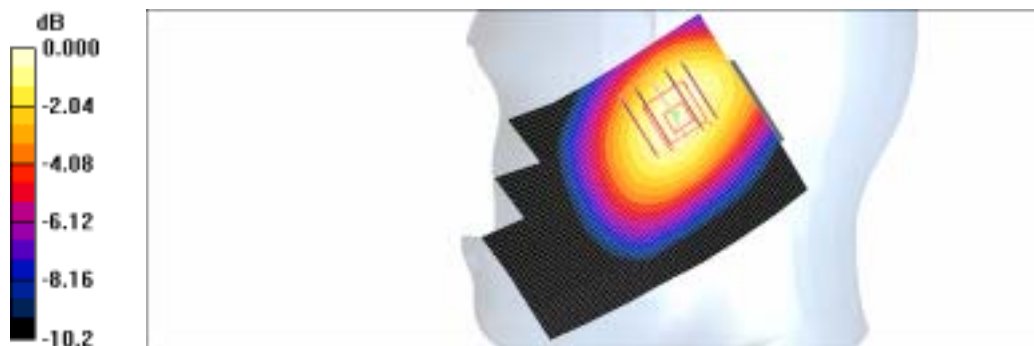
**Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$**

Reference Value = 9.92 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.208 mW/g**

Maximum value of SAR (measured) = 0.220 mW/g



0 dB = 0.220mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Down); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Left Slide Down(Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0384, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.2 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 0.342 W/kg

**SAR(1 g) = 0.263 mW/g**

Maximum value of SAR (measured) = 0.281 mW/g

**Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1):** Measurement grid:

$dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.285 mW/g



0 dB = 0.285mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Down); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Left Slide Down(Job No. : FD-231)**

**Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

$dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.217 mW/g

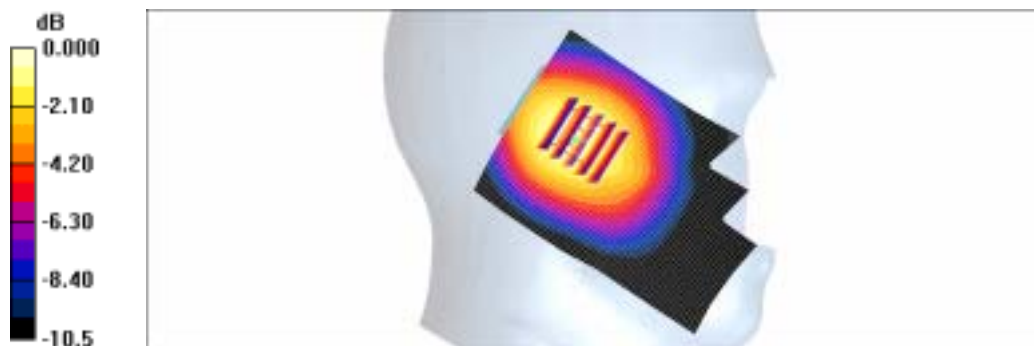
**Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$**

Reference Value = 10.1 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.262 W/kg

**SAR(1 g) = 0.201 mW/g**

Maximum value of SAR (measured) = 0.214 mW/g



0 dB = 0.214mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Body SAR**

**DUT: SCH-U510(Body); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Body (Job No. : FD-231)**

**Procedure Name: Body, Ch. 0777, Ant. Intenna, Bat. Standard**

**Meas.Ambient Temp-22.3°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.41, 6.41, 6.41); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Body, Ch. 0777, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm**

Reference Value = 15.2 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.05 W/kg

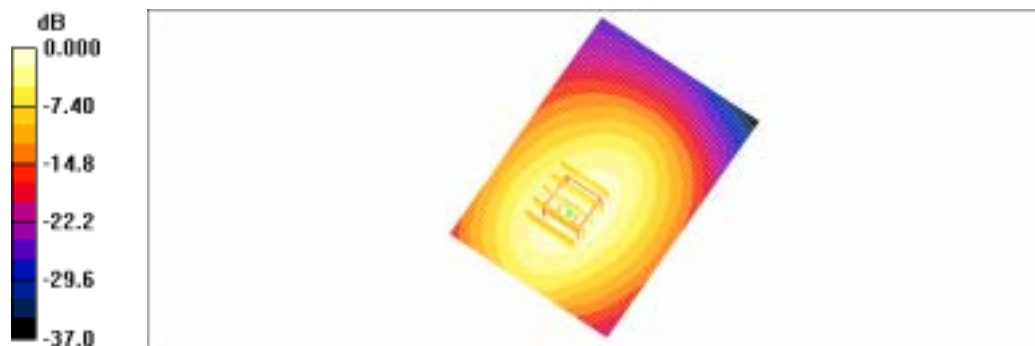
**SAR(1 g) = 0.742 mW/g**

Maximum value of SAR (measured) = 0.799 mW/g

**Body, Ch. 0777, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.833 mW/g



0 dB = 0.833mW/g

**SAMSUNG FCC ID : A3LSCHU510T CDMA Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Right Slide Up (Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0777, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.59, 6.59, 6.59); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.6 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 1.14 W/kg

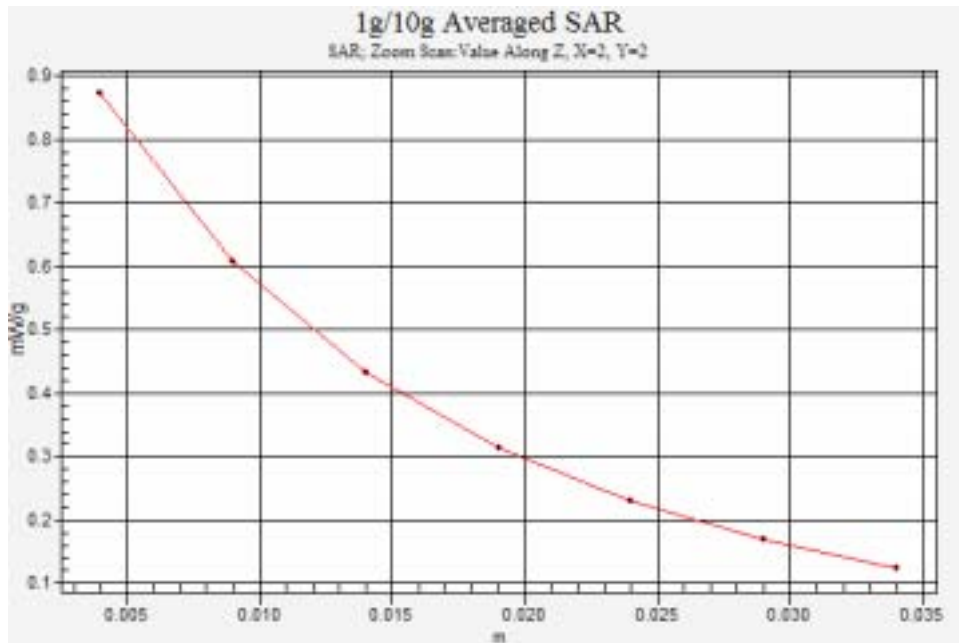
**SAR(1 g) = 0.788 mW/g**

Maximum value of SAR (measured) = 0.872 mW/g

**Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

dx=20mm, dy=20mm

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



**SAMSUNG FCC ID : A3LSCHU510T CDMA Body SAR**

**DUT: SCH-U510(Body); Serial: FD-231-B**

**Program Name: SCH-U510 CDMA Body (Job No. : FD-231)**

**Procedure Name: Body, Ch. 0777, Ant. Intenna, Bat. Standard**

**Meas.Ambient Temp-22.3°C;Meas.Tissue Temp(celsius)-21.8°C; Test Date-27/Nov/2006**

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.41, 6.41, 6.41); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Body, Ch. 0777, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm**

Reference Value = 15.2 V/m; Power Drift = -0.060 dB

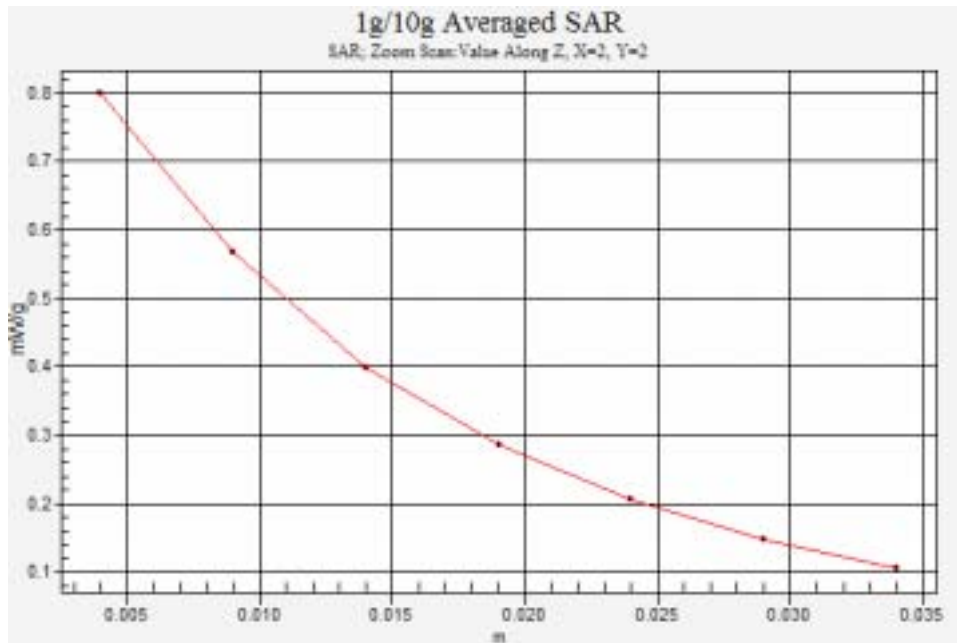
Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.742 mW/g**

Maximum value of SAR (measured) = 0.799 mW/g

**Body, Ch. 0777, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm**

Maximum value of SAR (interpolated) = 0.833 mW/g



**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Right Slide Up(Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard With BT ON**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

Communication System: PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0025, Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):**

Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.715 mW/g

**Cheek/Touch, Ch.0025, Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:**

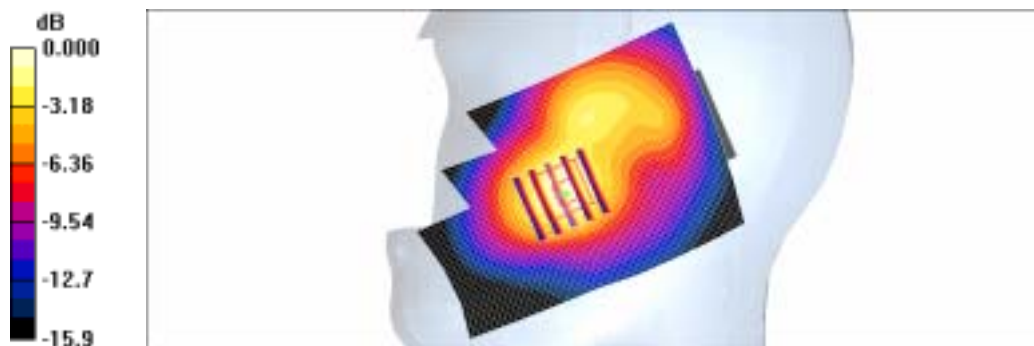
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.687 mW/g**

Maximum value of SAR (measured) = 0.746 mW/g



0 dB = 0.746mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Right Slide Up(Job No. : FD-231)**

**Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard 2**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

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

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.4 \text{ mho/m}$ ;  $\epsilon_r = 38.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Ear/Tilt, Ch.0600, Intenna, Bat. Standard 2/Area Scan (51x71x1):** Measurement grid:

$dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.387 mW/g

**Ear/Tilt, Ch.0600, Intenna, Bat. Standard 2/Zoom Scan (5x5x7)/Cube 0:** Measurement

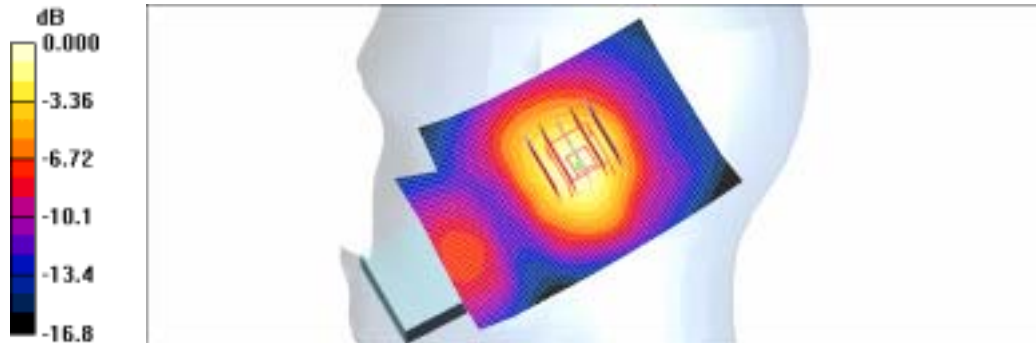
grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.8 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 0.533 W/kg

**SAR(1 g) = 0.359 mW/g**

Maximum value of SAR (measured) = 0.391 mW/g



0 dB = 0.391mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Left Slide Up (Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0600, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.3 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.526 W/kg

**SAR(1 g) = 0.367 mW/g**

Maximum value of SAR (measured) = 0.391 mW/g

**Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1):** Measurement grid:

$dx=20$ mm,  $dy=20$ mm

Maximum value of SAR (interpolated) = 0.444 mW/g



0 dB = 0.444mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Left Slide Up (Job No. : FD-231)**

**Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm**

Reference Value = 12.0 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.480 W/kg

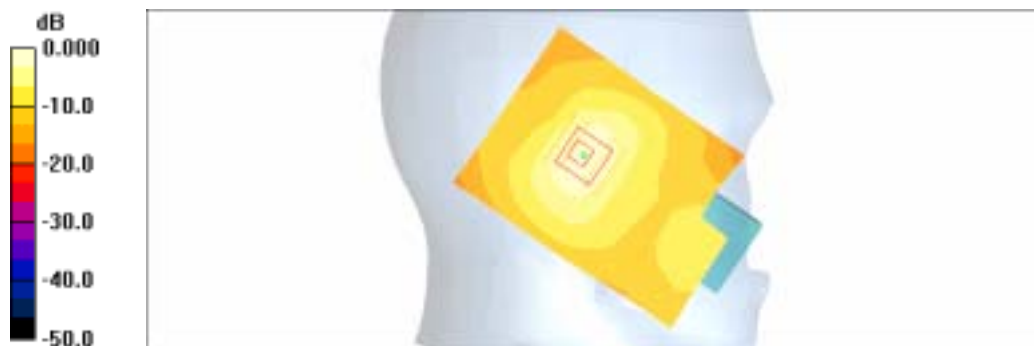
**SAR(1 g) = 0.332 mW/g**

Maximum value of SAR (measured) = 0.357 mW/g

**Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.423 mW/g



0 dB = 0.423mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Down); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Right Slide Down(Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

Communication System: PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 0.651 W/kg

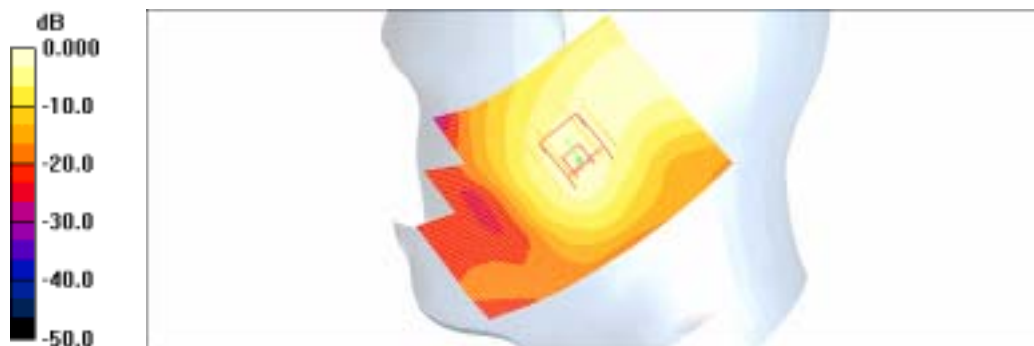
**SAR(1 g) = 0.475 mW/g**

Maximum value of SAR (measured) = 0.513 mW/g

**Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1):** Measurement grid:

dx=20mm, dy=20mm

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



0 dB = 0.545mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Down); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Right Slide Down(Job No. : FD-231)**

**Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard 2**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Ear/Tilt, Ch.0600, Intenna, Bat. Standard 2/Area Scan (51x71x1): Measurement grid:**

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.282 mW/g

**Ear/Tilt, Ch.0600, Intenna, Bat. Standard 2/Zoom Scan (5x5x7)/Cube 0: Measurement**

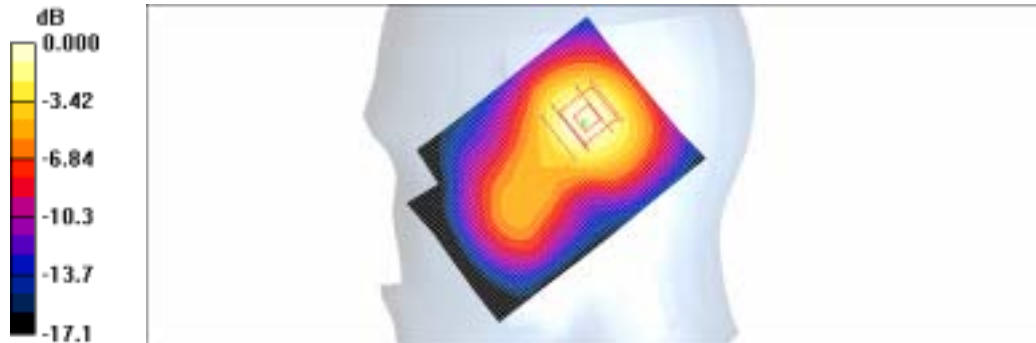
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = 0.092 dB

Peak SAR (extrapolated) = 0.435 W/kg

**SAR(1 g) = 0.264 mW/g**

Maximum value of SAR (measured) = 0.280 mW/g



0 dB = 0.280mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Down); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Left Slide Down(Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0600, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.65 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.408 W/kg

**SAR(1 g) = 0.301 mW/g**

Maximum value of SAR (measured) = 0.321 mW/g

**Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1):** Measurement grid:

$dx=20$ mm,  $dy=20$ mm

Maximum value of SAR (interpolated) = 0.382 mW/g



0 dB = 0.382mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Down); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Left Slide Down(Job No. : FD-231)**

**Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm**

Reference Value = 13.9 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.423 W/kg

**SAR(1 g) = 0.258 mW/g**

Maximum value of SAR (measured) = 0.285 mW/g

**Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:**

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.288 mW/g



0 dB = 0.288mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Body SAR**

**DUT: SCH-U510(Body); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Body (Job No. : FD-231)**

**Procedure Name: Body, Ch. 1175, Ant. Intenna, Bat. Standard with BT ON**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1908.75$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.52, 4.52, 4.52); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Body, Ch. 1175, Ant. Intenna, Bat. Standard with BT ON/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.97 V/m; Power Drift = 0.199 dB

Peak SAR (extrapolated) = 0.790 W/kg

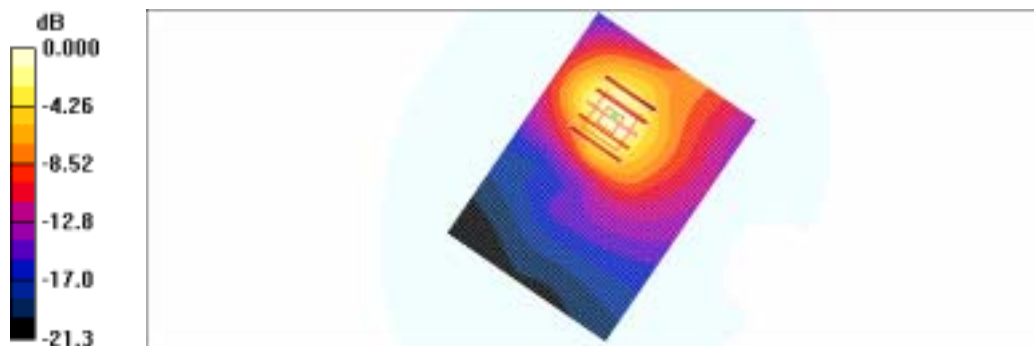
**SAR(1 g) = 0.447 mW/g**

Maximum value of SAR (measured) = 0.473 mW/g

**Body, Ch. 1175, Ant. Intenna, Bat. Standard with BT ON/Area Scan (51x71x1):**

Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.439 mW/g



0 dB = 0.439mW/g

**SAMSUNG FCC ID : A3LSCHU510T PCS Head SAR**

**DUT: SCH-U510(Up); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Right Slide Up(Job No. : FD-231)**

**Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard With BT ON**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

Communication System: PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0025, Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):**

Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.715 mW/g

**Cheek/Touch, Ch.0025, Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:**

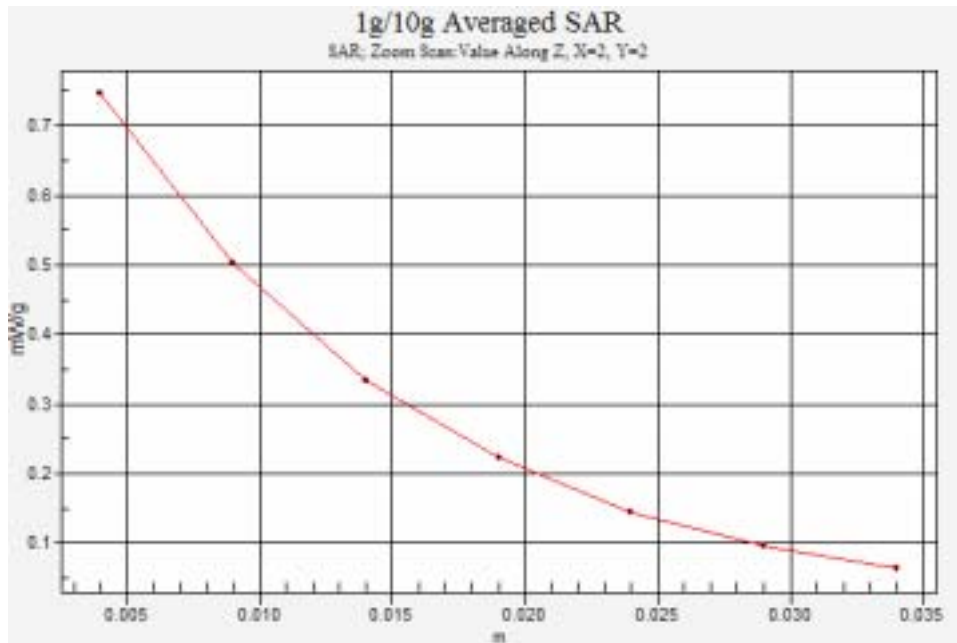
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.687 mW/g**

Maximum value of SAR (measured) = 0.746 mW/g



**SAMSUNG FCC ID : A3LSCHU510T PCS Body SAR**

**DUT: SCH-U510(Body); Serial: FD-231-B**

**Program Name: SCH-U510 PCS Body (Job No. : FD-231)**

**Procedure Name: Body, Ch. 1175, Ant. Intenna, Bat. Standard with BT ON**

**Meas.Ambient Temp-22.1°C;Meas.Tissue Temp(celsius)-21.9°C; Test Date-27/Nov/2006**

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1908.75$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.52, 4.52, 4.52); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Body, Ch. 1175, Ant. Intenna, Bat. Standard with BT ON/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.97 V/m; Power Drift = 0.199 dB

Peak SAR (extrapolated) = 0.790 W/kg

**SAR(1 g) = 0.447 mW/g**

Maximum value of SAR (measured) = 0.473 mW/g

**Body, Ch. 1175, Ant. Intenna, Bat. Standard with BT ON/Area Scan (51x71x1):**

Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.439 mW/g

