

**SAMSUNG FCC ID : A3LSCHU520 835MHz CDMA Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 CDMA Right(Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.6;Test Date -29/Jun/2006[OET Bulletin 65 -Supplement C, July 2001]**

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

**Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Right Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(6.14, 6.14, 6.14); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 0.887 mW/g**

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

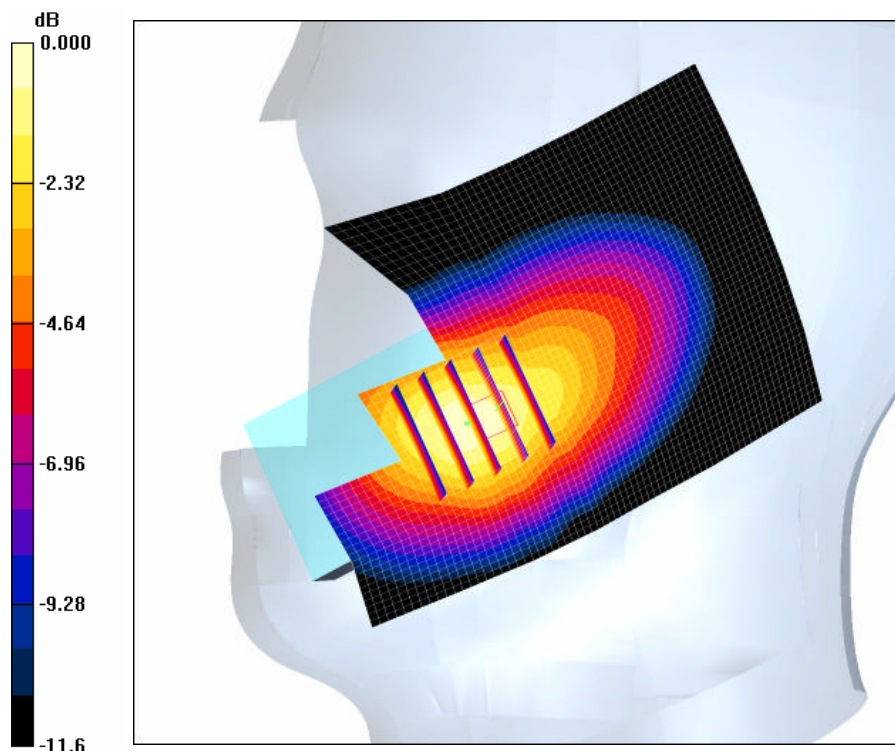
**Measurement grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 5.90 V/m; Power Drift = 0.094 dB**

**Peak SAR (extrapolated) = 1.20 W/kg**

**SAR(1 g) = 0.844 mW/g**

**Maximum value of SAR (measured) = 0.918 mW/g**



**0 dB = 0.918mW/g**

**SAMSUNG FCC ID : A3LSCHU520 835MHz CDMA Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 CDMA Right(Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.6;Test Date -29/Jun/2006[OET Bulletin 65 -Supplement C, July 2001]**

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

**Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Right Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(6.14, 6.14, 6.14); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 0.242 mW/g**

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

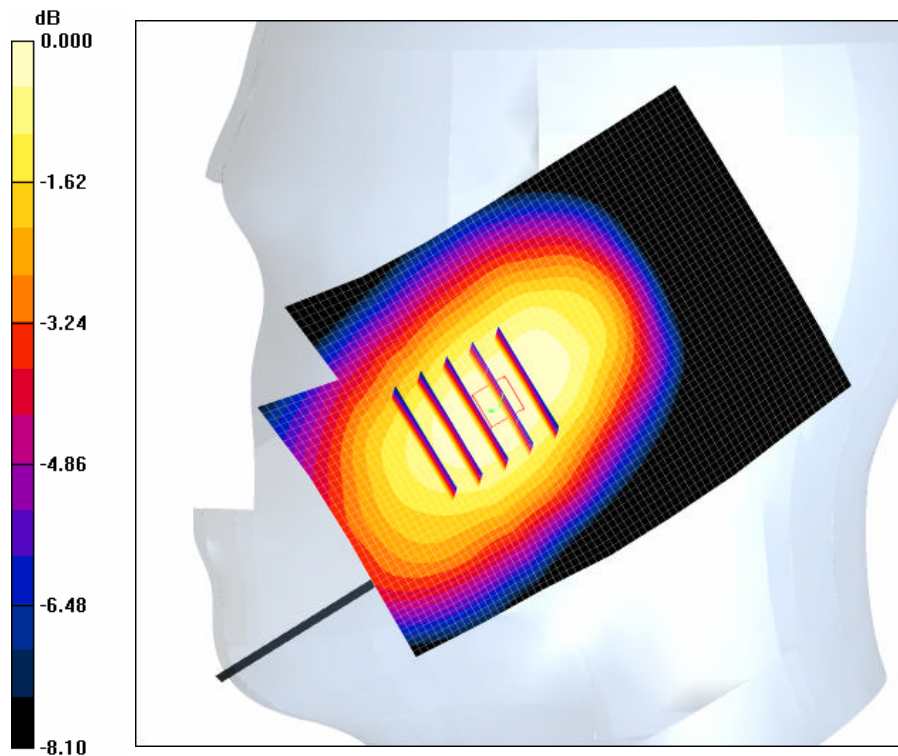
**grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 7.73 V/m; Power Drift = 0.155 dB**

**Peak SAR (extrapolated) = 0.292 W/kg**

**SAR(1 g) = 0.229 mW/g**

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



**0 dB = 0.241mW/g**

SAMSUNG FCC ID : A3LSCHU520 835MHz CDMA Head SAR

DUT: SCH-U520; Serial: FD-111-B

Program Name: SCH-U520 CDMA Left (Job No. : FD-111)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.6; Test Date -29/Jun/2006[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon = 40.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.14, 6.14, 6.14); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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 = 26.9 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 1.21 W/kg

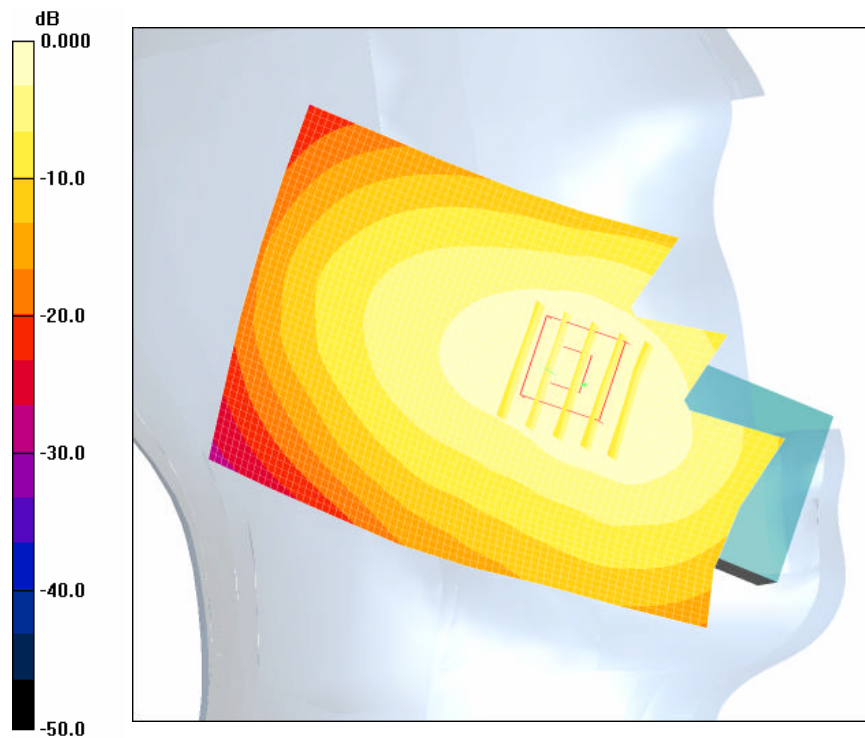
SAR(1 g) = 0.852 mW/g

Maximum value of SAR (measured) = 0.897 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) = 0.880 mW/g



0 dB = 0.880mW/g

SAMSUNG FCC ID : A3LSCHU520 835MHz CDMA Head SAR

DUT: SCH-U520; Serial: FD-111-B

Program Name: SCH-U520 CDMA Left (Job No. : FD-111)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.6; Test Date -29/Jun/2006[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon = 40.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.14, 6.14, 6.14); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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) = 0.285 mW/g

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

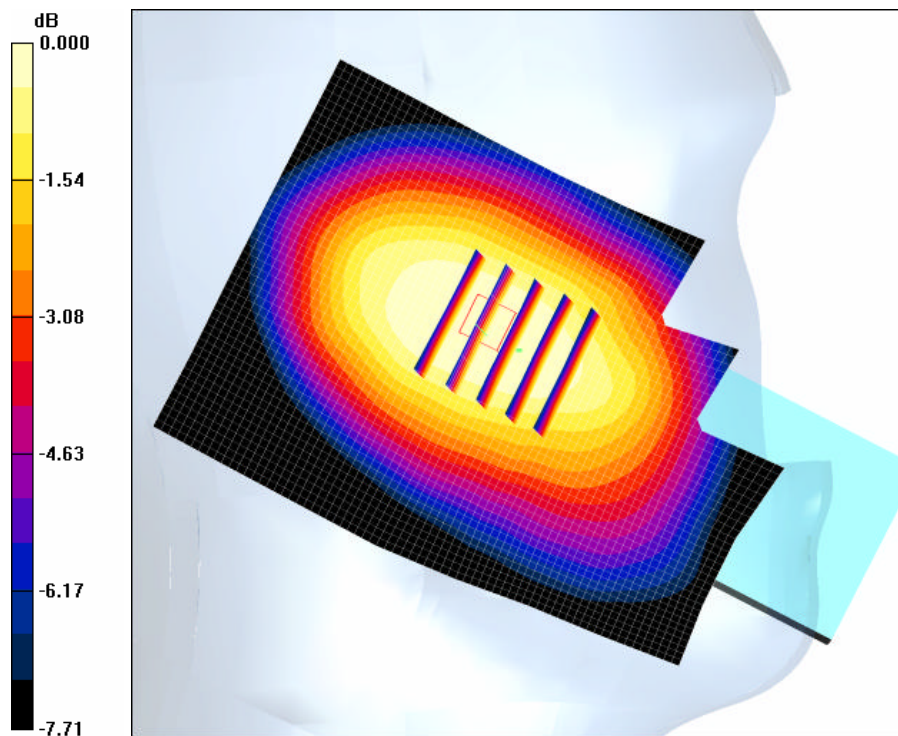
grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.4 V/m; Power Drift = -0.195 dB

Peak SAR (extrapolated) = 0.334 W/kg

SAR(1 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.271 mW/g



0 dB = 0.271mW/g

**SAMSUNG FCC ID : A3LSCHU520 835MHz CDMA Body SAR**

**DUT: SCH-U520(Body); Serial: FD-111-B**

**Program Name: SCH-U520CDMA Body (Job No. : FD-111)**

**Procedure Name: Body, Ch. 0384, Ant. Intenna, Bat. Standard**

**Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.0; Test Date -29/June/2006[OET Bulletin 65-Supplement C, July 2001]**

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

**Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon = 54.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Flat Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(6.18, 6.18, 6.18); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Body, Ch. 0384, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 31.1 V/m; Power Drift = -0.038 dB**

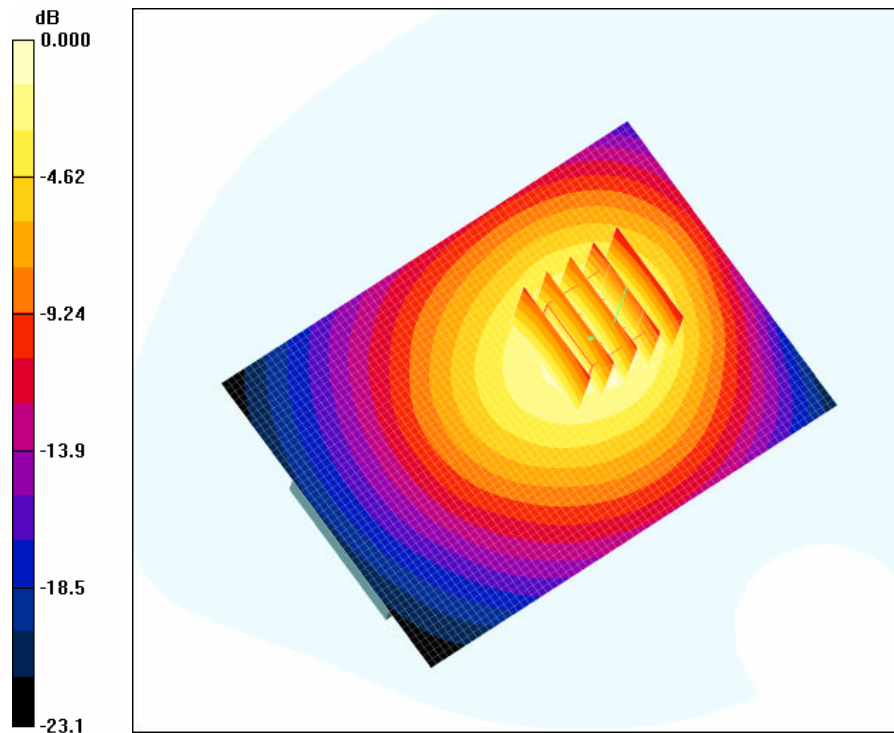
**Peak SAR (extrapolated) = 1.23 W/kg**

**SAR(1 g) = 0.892 mW/g**

**Maximum value of SAR (measured) = 0.943 mW/g**

**Body, Ch. 0384, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 1.05 mW/g**



0 dB = 1.05mW/g



**SAMSUNG FCC ID : A3LSCHU520 835MHz CDMA Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 CDMA Right(Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.6;Test Date -29/Jun/2006[OET Bulletin 65 -Supplement C, July 2001]**

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

**Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Right Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(6.14, 6.14, 6.14); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 0.887 mW/g**

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

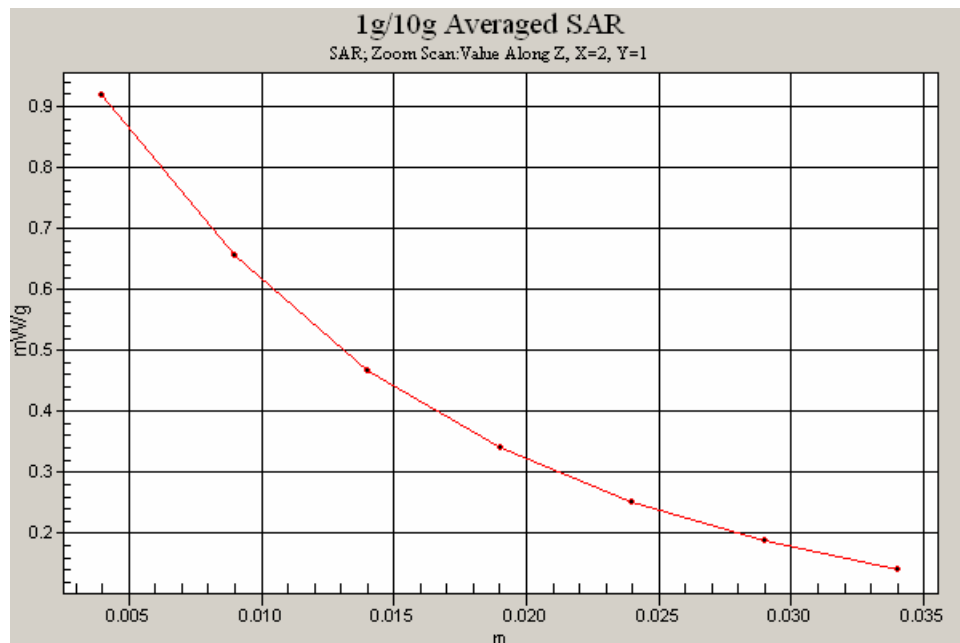
**Measurement grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 5.90 V/m; Power Drift = 0.094 dB**

**Peak SAR (extrapolated) = 1.20 W/kg**

**SAR(1 g) = 0.844 mW/g**

**Maximum value of SAR (measured) = 0.918 mW/g**



**SAMSUNG FCC ID : A3LSCHU520 835MHz CDMA Body SAR**

**DUT: SCH-U520(Body); Serial: FD-111-B**

**Program Name: SCH-U520CDMA Body (Job No. : FD-111)**

**Procedure Name: Body, Ch. 0384, Ant. Intenna, Bat. Standard**

**Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.0; Test Date -29/June/2006[OET Bulletin 65-Supplement C, July 2001]**

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

**Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon = 54.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Flat Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(6.18, 6.18, 6.18); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Body, Ch. 0384, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 1.05 mW/g**

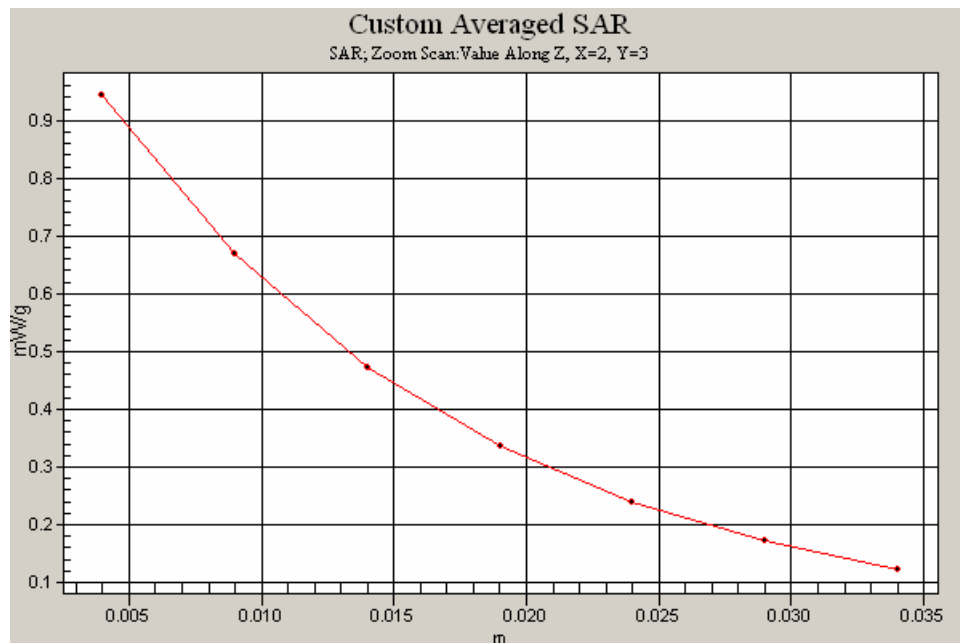
**Body, Ch. 0384, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 31.1 V/m; Power Drift = -0.038 dB**

**Peak SAR (extrapolated) = 1.23 W/kg**

**SAR(1 g) = 0.892 mW/g**

**Maximum value of SAR (measured) = 0.943 mW/g**



**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 PCS Right (Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-21.9; Tissue Temp(celsius)-21.7; Test Date -29/Jun/2006[OET Bulletin 65 -Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Right Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 1.29 mW/g**

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

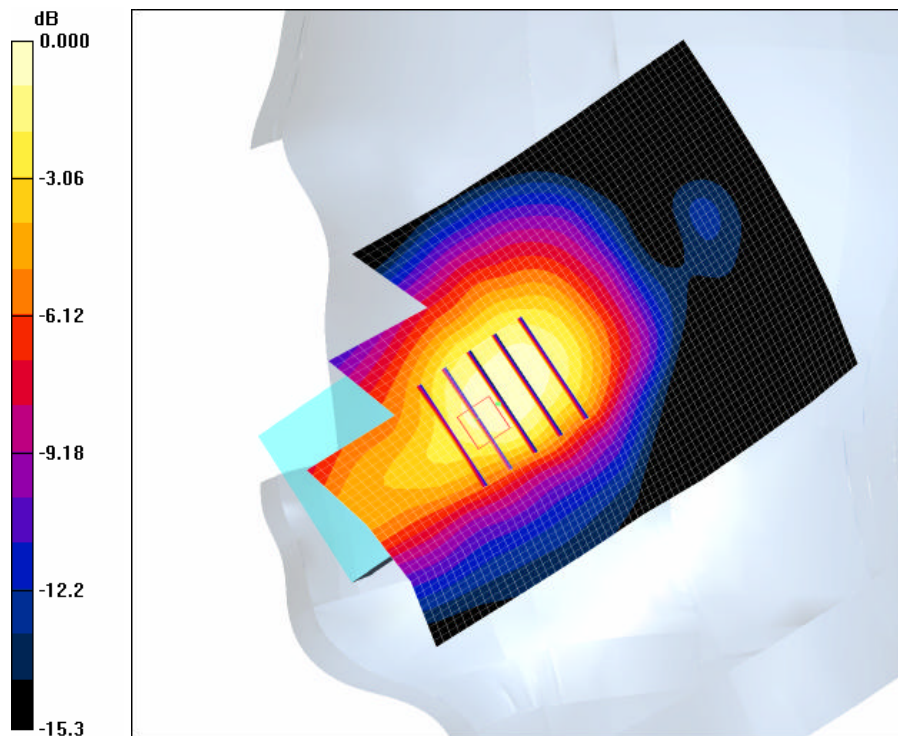
**Measurement grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 5.73 V/m; Power Drift = -0.102 dB**

**Peak SAR (extrapolated) = 1.99 W/kg**

**SAR(1 g) = 1.17 mW/g**

**Maximum value of SAR (measured) = 1.30 mW/g**



**0 dB = 1.30mW/g**



**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 PCS Right (Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-21.9; Tissue Temp(celsius)-21.7; Test Date -29/Jun/2006[OET Bulletin 65 -Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Right Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

**dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 0.175 mW/g**

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

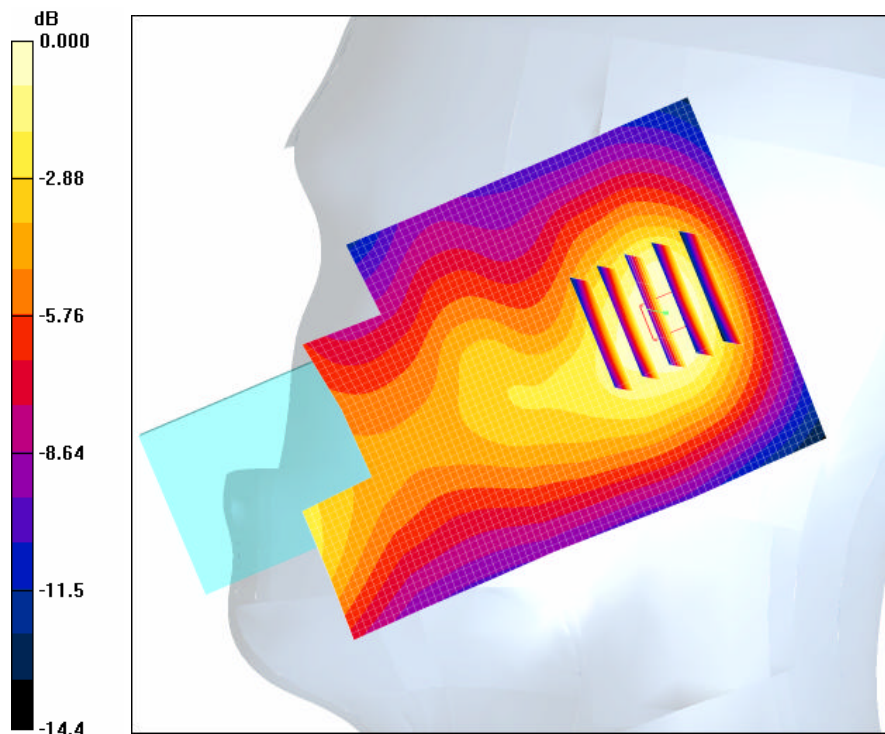
**grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 8.69 V/m; Power Drift = -0.006 dB**

**Peak SAR (extrapolated) = 0.195 W/kg**

**SAR(1 g) = 0.137 mW/g**

**Maximum value of SAR (measured) = 0.147 mW/g**



**0 dB = 0.147mW/g**

**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 PCS Left (Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-21.9; Tissue Temp(celsius)-21.7; Test Date -29/Jun/2006 [OET Bulletin 65 - Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Left Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 0.687 mW/g**

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

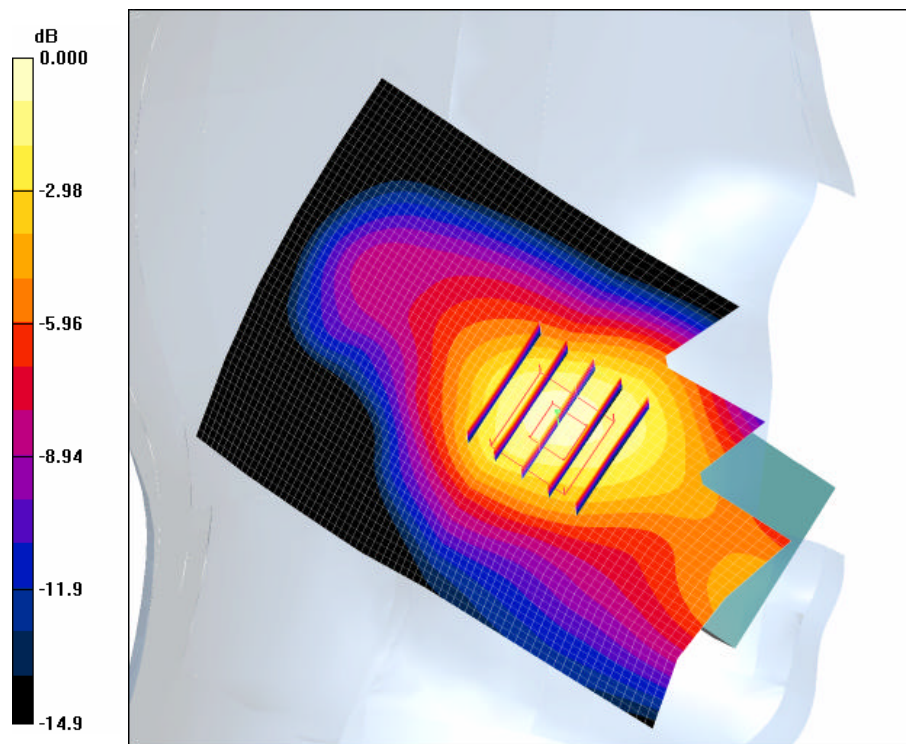
**Measurement grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 6.32 V/m; Power Drift = 0.079 dB**

**Peak SAR (extrapolated) = 1.33 W/kg**

**SAR(1 g) = 0.761 mW/g**

**Maximum value of SAR (measured) = 0.786 mW/g**



**0 dB = 0.786mW/g**

**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 PCS Left (Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-21.9; Tissue Temp(celsius)-21.7; Test Date -29/Jun/2006[OET Bulletin 65 -Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Left Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

**dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 0.149 mW/g**

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

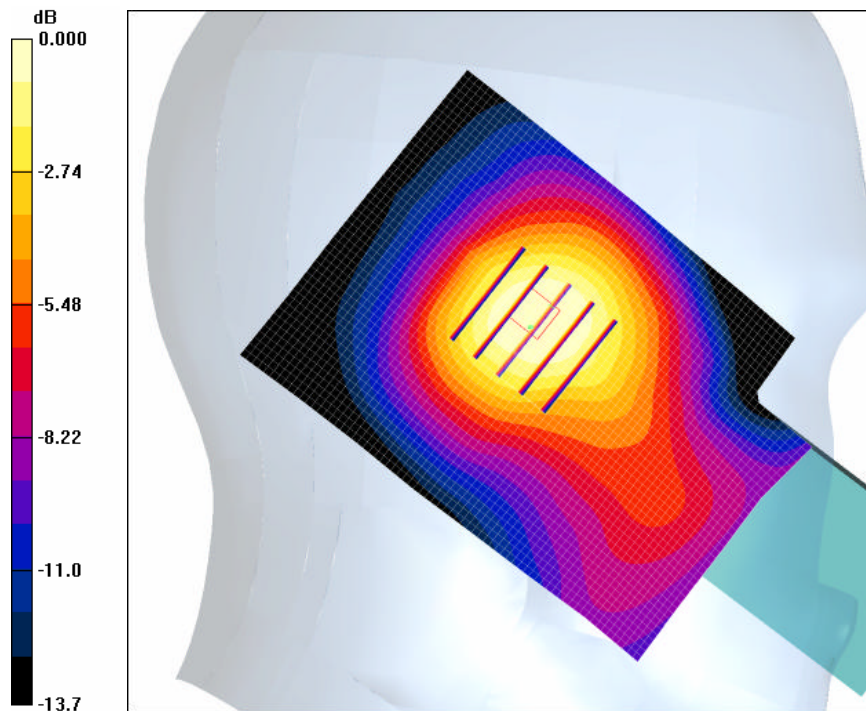
**grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 7.71 V/m; Power Drift = 0.012 dB**

**Peak SAR (extrapolated) = 0.187 W/kg**

**SAR(1 g) = 0.132 mW/g**

**Maximum value of SAR (measured) = 0.139 mW/g**



**0 dB = 0.139mW/g**

**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 PCS Right (Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-21.9; Tissue Temp(celsius)-21.7; Test Date -29/Jun/2006[OET Bulletin 65-Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Right Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Cheek/Touch, Ch.0600, Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):**

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

**Maximum value of SAR (interpolated) = 0.970 mW/g**

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

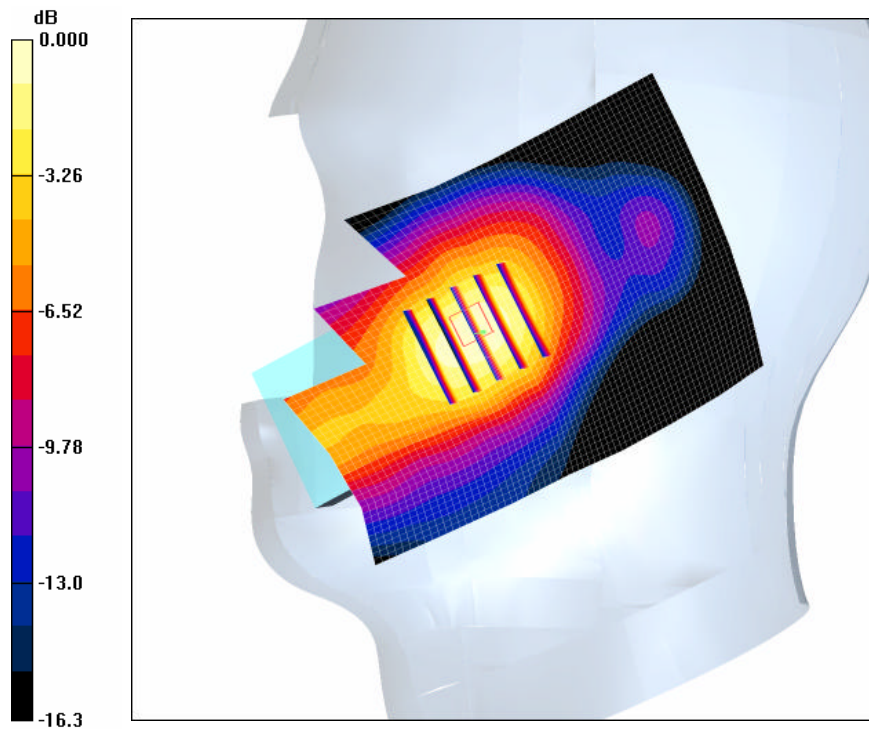
**Measurement grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 5.85 V/m; Power Drift = 0.163 dB**

**Peak SAR (extrapolated) = 1.78 W/kg**

**SAR(1 g) = 0.946 mW/g**

**Maximum value of SAR (measured) = 1.04 mW/g**



**0 dB = 1.04mW/g**

**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Body SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U420 PCS Body (Job No. : FD-072)**

**Procedure Name: Body, Ch. 0600, Ant. Intenna, Bat. Standard**

**Procedure Notes: Meas. Ambient Temp(celsius)-21.6, Tissue Temp(celsius)-21.5; Test Date -29/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Flat Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

**Reference Value = 18.9 V/m; Power Drift = -0.055 dB**

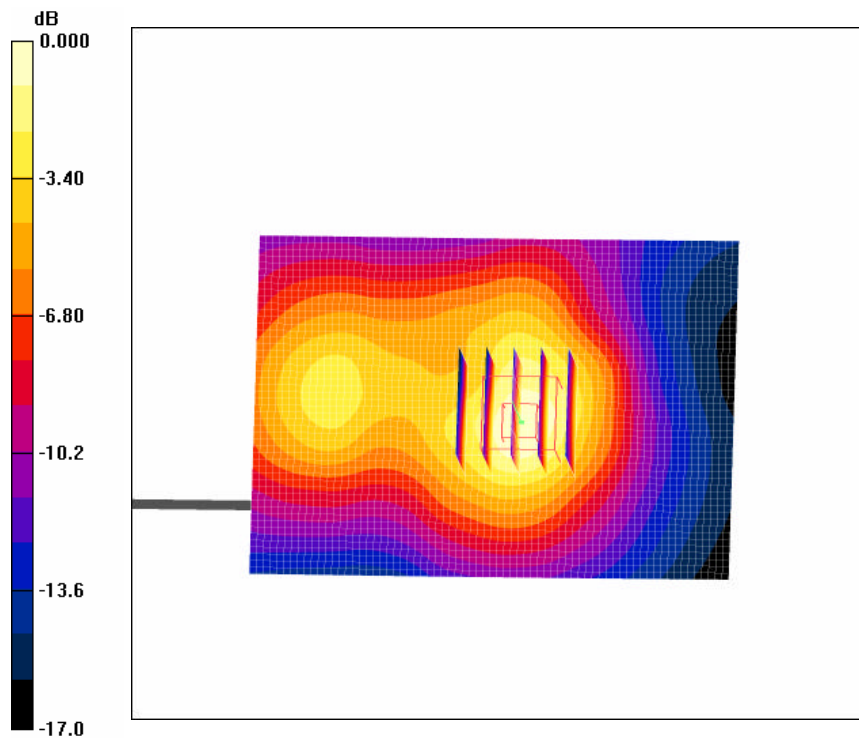
**Peak SAR (extrapolated) = 0.731 W/kg**

**SAR(1 g) = 0.472 mW/g**

**Maximum value of SAR (measured) = 0.518 mW/g**

**Body, Ch. 0600, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 0.543 mW/g**



**0 dB = 0.543mW/g**



**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Body SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U420 PCS Body (Job No. : FD-072)**

**Procedure Name: Body, Ch. 0600, Ant. Intenna, Bat. Standard With BT ON**

**Procedure Notes: Meas. Ambient Temp(celsius)-21.6, Tissue Temp(celsius)-21.5; Test Date -29/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Flat Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Body, Ch. 0600, Ant. Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):**

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

**Maximum value of SAR (interpolated) = 0.531 mW/g**

**Body, Ch. 0600, Ant. Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:**

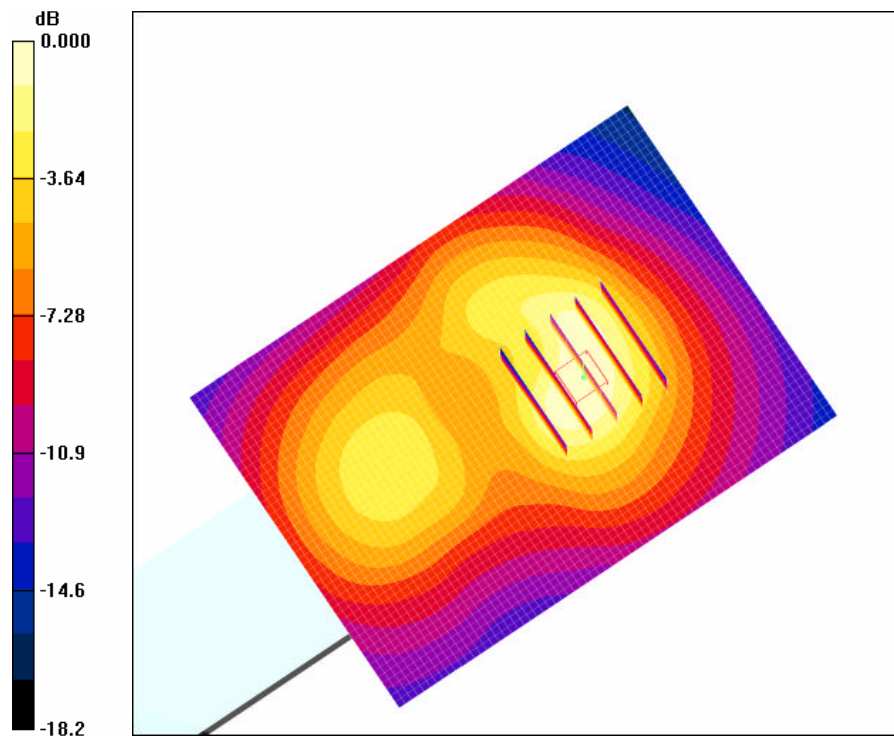
**Measurement grid: dx=8mm, dy=8mm, dz=5mm**

**Reference Value = 17.6 V/m; Power Drift = -0.032 dB**

**Peak SAR (extrapolated) = 0.740 W/kg**

**SAR(1 g) = 0.481 mW/g**

**Maximum value of SAR (measured) = 0.530 mW/g**



0 dB = 0.530mW/g

**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Head SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U520 PCS Right (Job No. : FD-111)**

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

**Procedure Notes: Meas. Ambient Temp(celsius)-21.9; Tissue Temp(celsius)-21.7; Test Date -29/Jun/2006[OET Bulletin 65-Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Right Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- 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=8mm, dy=8mm, dz=5mm**

**Reference Value = 5.73 V/m; Power Drift = -0.102 dB**

**Peak SAR (extrapolated) = 1.99 W/kg**

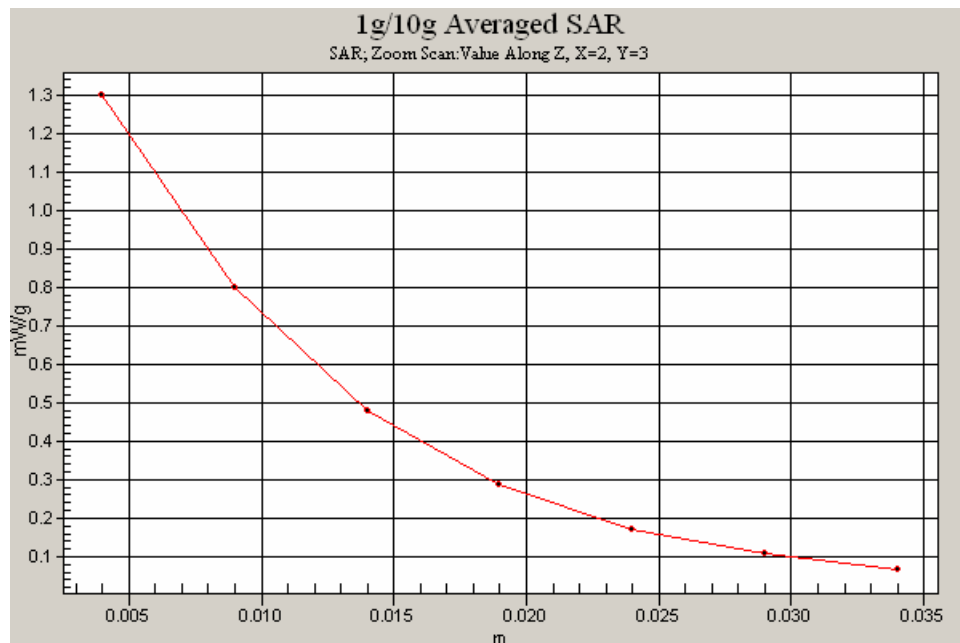
**SAR(1 g) = 1.17 mW/g**

**Maximum value of SAR (measured) = 1.30 mW/g**

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

**dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 1.29 mW/g**



**SAMSUNG FCC ID : A3LSPHU520 1900MHz PCS Body SAR**

**DUT: SCH-U520; Serial: FD-111-B**

**Program Name: SCH-U420 PCS Body (Job No. : FD-072)**

**Procedure Name: Body, Ch. 0600, Ant. Intenna, Bat. Standard With BT ON**

**Procedure Notes: Meas. Ambient Temp(celsius)-21.6, Tissue Temp(celsius)-21.5; Test Date -29/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]**

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

**Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**Phantom section: Flat Section**

**DASY4 Configuration:**

- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Body, Ch. 0600, Ant. Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):**

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

**Maximum value of SAR (interpolated) = 0.531 mW/g**

**Body, Ch. 0600, Ant. Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:**

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

**Reference Value = 17.6 V/m; Power Drift = -0.032 dB**

**Peak SAR (extrapolated) = 0.740 W/kg**

**SAR(1 g) = 0.481 mW/g**

**Maximum value of SAR (measured) = 0.530 mW/g**

