

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 CDMA Right Slide Down(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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 = 21.3 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 0.779 W/kg

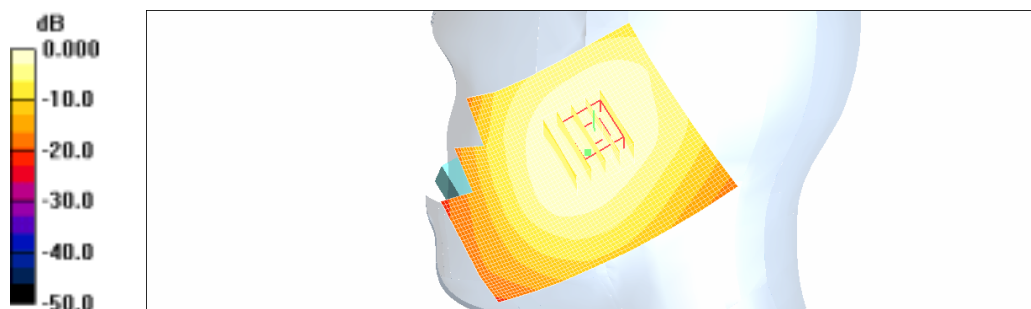
SAR(1 g) = 0.616 mW/g

Maximum value of SAR (measured) = 0.645 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) = 0.637 mW/g



0 dB = 0.637mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 CDMA Right Slide Down(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.467 mW/g

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

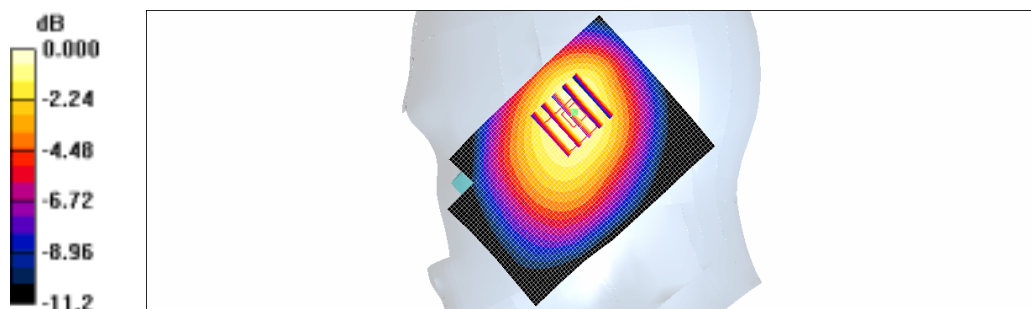
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.3 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.583 W/kg

SAR(1 g) = 0.424 mW/g

Maximum value of SAR (measured) = 0.450 mW/g



0 dB = 0.450mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 CDMA Left Slide Down(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.388 mW/g

Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Zoom Scan 2 2 (5x5x7)/Cube 0:

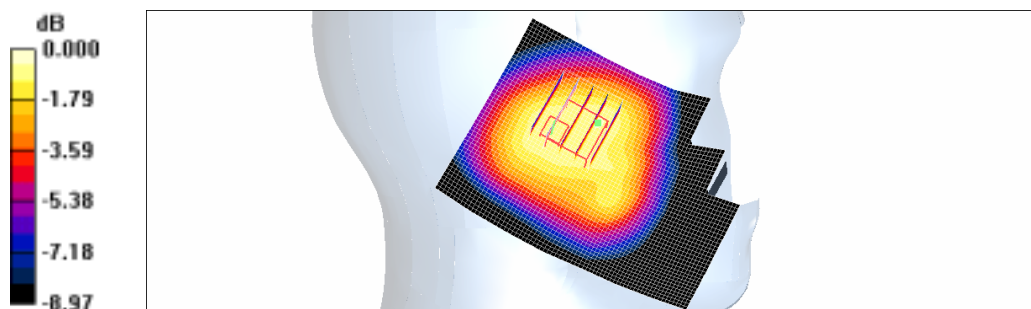
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.7 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.534 W/kg

SAR(1 g) = 0.421 mW/g

Maximum value of SAR (measured) = 0.441 mW/g



0 dB = 0.441mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 CDMA Left Slide Down(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.506 mW/g

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

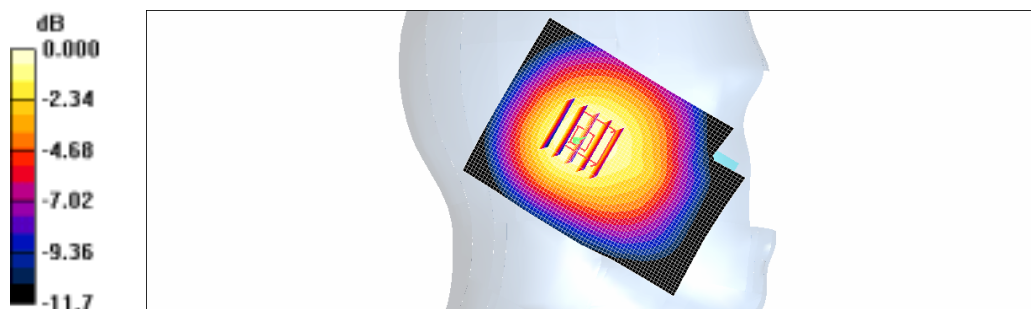
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.4 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.605 W/kg

SAR(1 g) = 0.459 mW/g

Maximum value of SAR (measured) = 0.483 mW/g



0 dB = 0.483mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-I839 CDMA Right Slide Up(Job No. : FD-233)

Procedure Name: Cheek/Touch, Ch.0777, Intenna, Bat. Standard With BT ON

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 26.0 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 1.07 W/kg

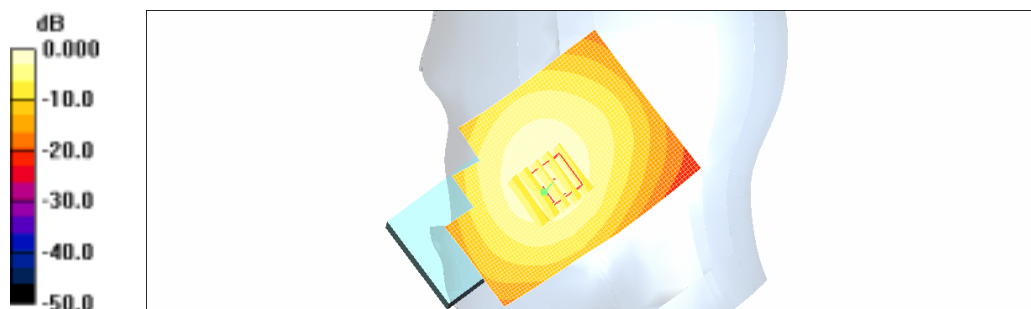
SAR(1 g) = 0.707 mW/g

Maximum value of SAR (measured) = 0.728 mW/g

Cheek/Touch, Ch.0777, Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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



0 dB = 0.739mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-I839 CDMA Right Slide Up(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.202 mW/g

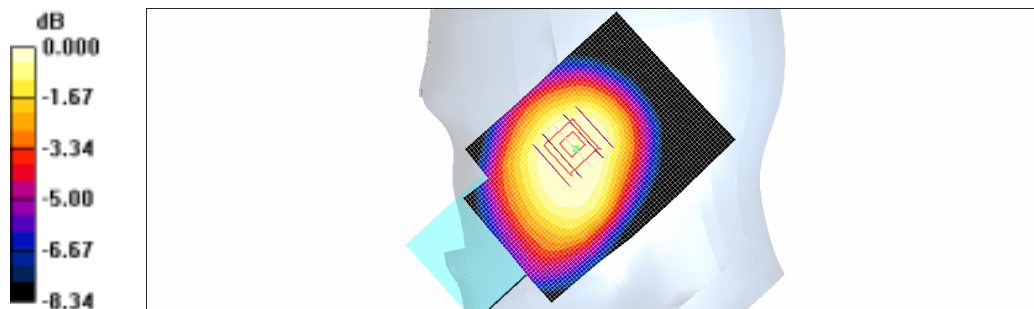
Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.23 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.173 mW/g

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



0 dB = 0.180mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-I839 CDMA Left Slide Up(Job No. : FD-233)

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

Meas.Tissue Temp(celsius) -21.5, Ambient Temp -21.7; Test Date -20/Jan/2007

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

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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 = 23.3 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.640 W/kg

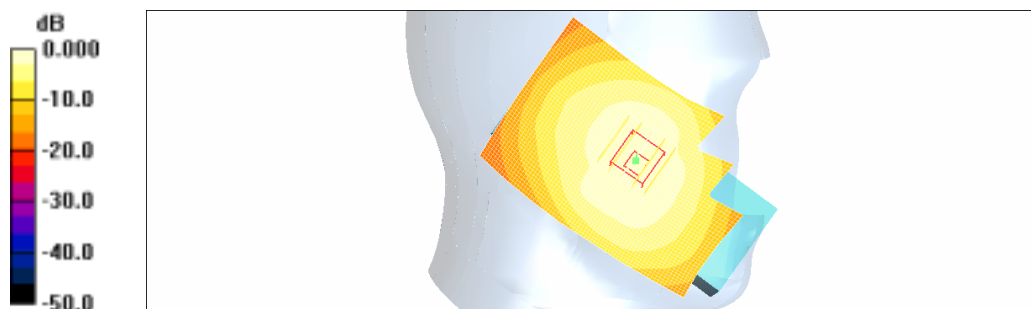
SAR(1 g) = 0.455 mW/g

Maximum value of SAR (measured) = 0.489 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) = 0.518 mW/g



0 dB = 0.518mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-I839 CDMA Left Slide Up(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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) = 0.182 mW/g

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

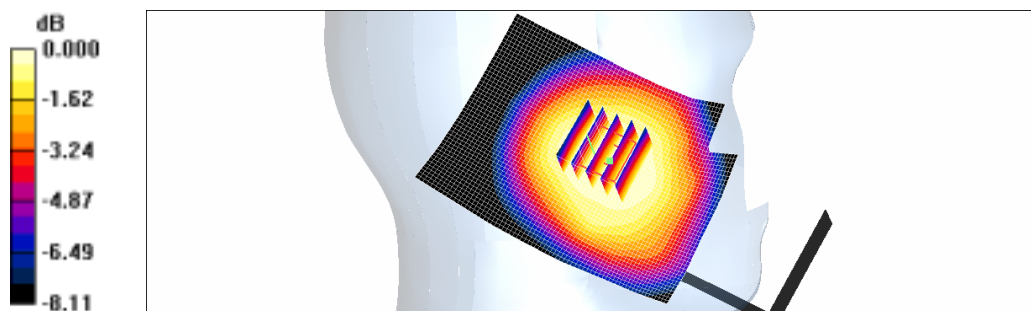
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.1 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.163 mW/g

Maximum value of SAR (measured) = 0.169 mW/g



0 dB = 0.169mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Body SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 CDMA Body (Job No. : FD-233)

Procedure Name: Body, Ch. 0777, Ant. Intenna, Bat. Standard With BT ON

Meas.Tissue Temp(celsius) -21.3, Ambient Temp -21.7; Test Date -20/Jan/2007

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

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.78, 9.78, 9.78); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, Ch. 0777, Ant. Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.907 mW/g

Body, Ch. 0777, Ant. Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 26.4 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.861 mW/g

Maximum value of SAR (measured) = 0.917 mW/g



0 dB = 0.917mW/g

SAMSUNG FCC ID : A3LSCHI839 CDMA Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-I839 CDMA Right Slide Up(Job No. : FD-233)

Procedure Name: Cheek/Touch, Ch.0777, Intenna, Bat. Standard With BT ON

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 26.0 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 1.07 W/kg

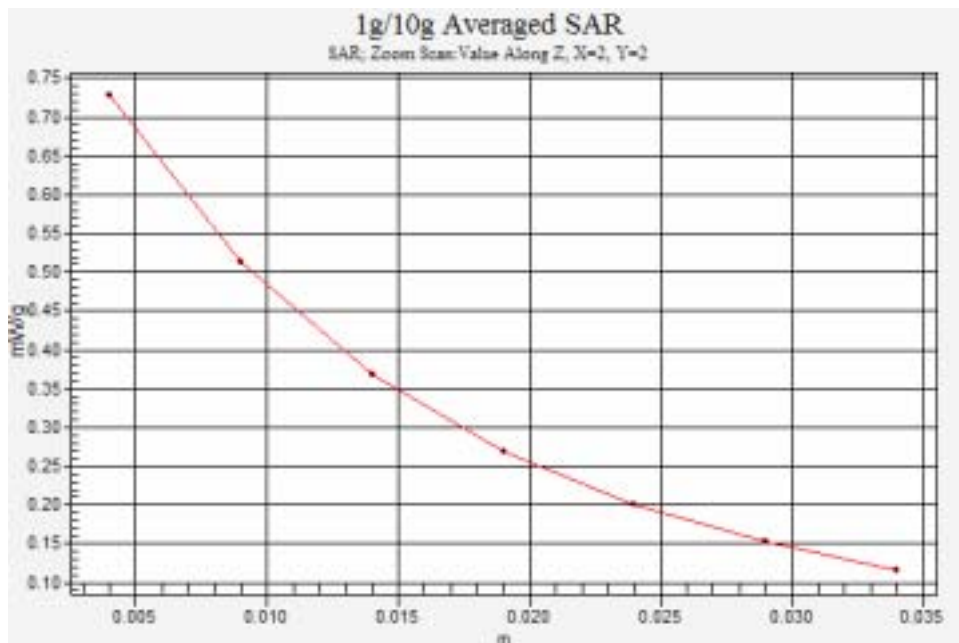
SAR(1 g) = 0.707 mW/g

Maximum value of SAR (measured) = 0.728 mW/g

Cheek/Touch, Ch.0777, Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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



SAMSUNG FCC ID : A3LSCHI839 CDMA Body SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 CDMA Body (Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.3, Ambient Temp-21.7;Test Date-20/Jan/2007

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

Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.78, 9.78, 9.78); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Reference Value = 26.7 V/m; Power Drift = -0.118 dB

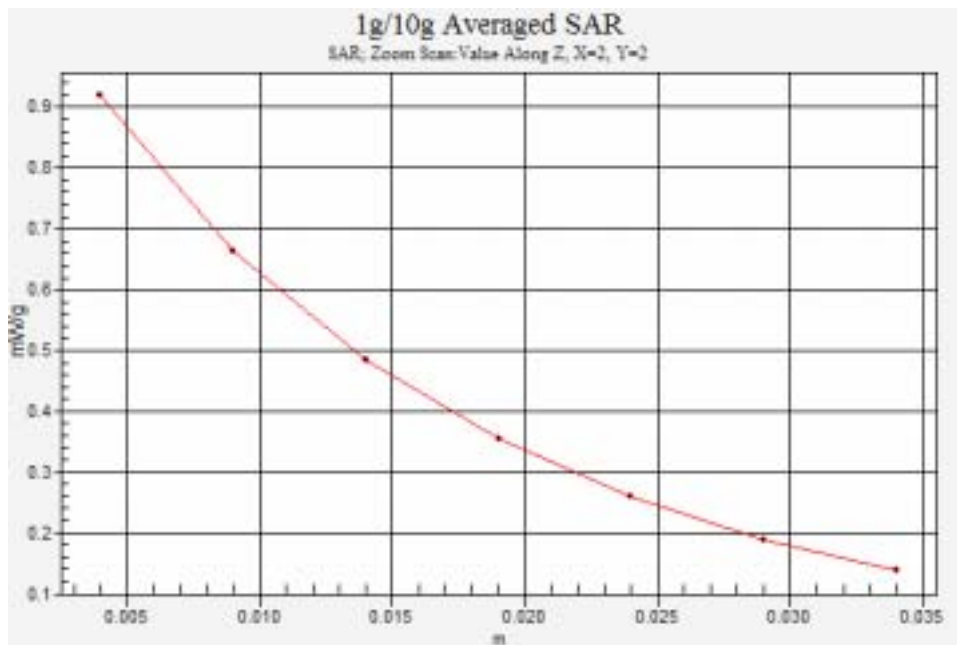
Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.861 mW/g

Maximum value of SAR (measured) = 0.917 mW/g

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

Maximum value of SAR (interpolated) = 0.910 mW/g



SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 PCS Right Slide Down(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 23.2 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.02 W/kg

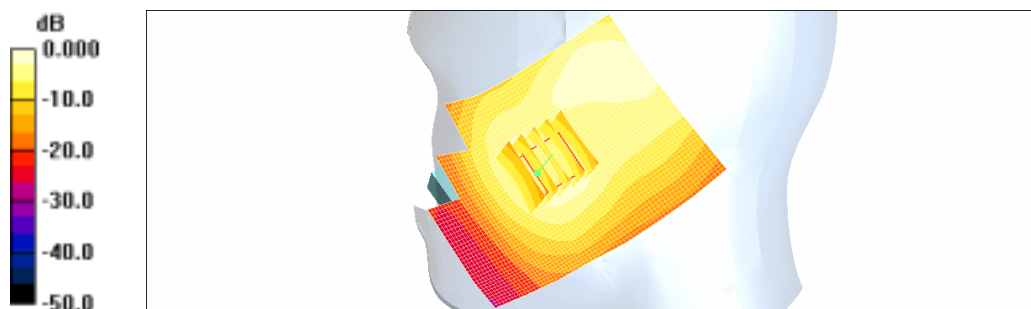
SAR(1 g) = 0.725 mW/g

Maximum value of SAR (measured) = 0.790 mW/g

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

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

Maximum value of SAR (interpolated) = 0.785 mW/g



0 dB = 0.785mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 PCS Right Slide Down(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Reference Value = 22.1 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 1.02 W/kg

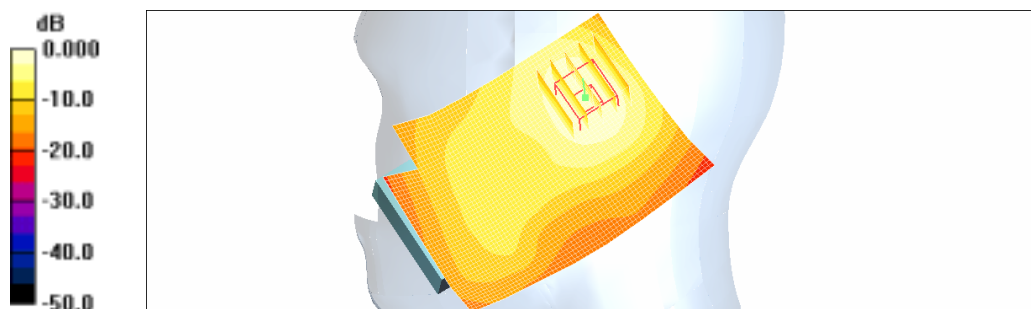
SAR(1 g) = 0.652 mW/g

Maximum value of SAR (measured) = 0.712 mW/g

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

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

Maximum value of SAR (interpolated) = 0.749 mW/g



0 dB = 0.749mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-i839 PCS Left Slide Down(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 21.9 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.946 W/kg

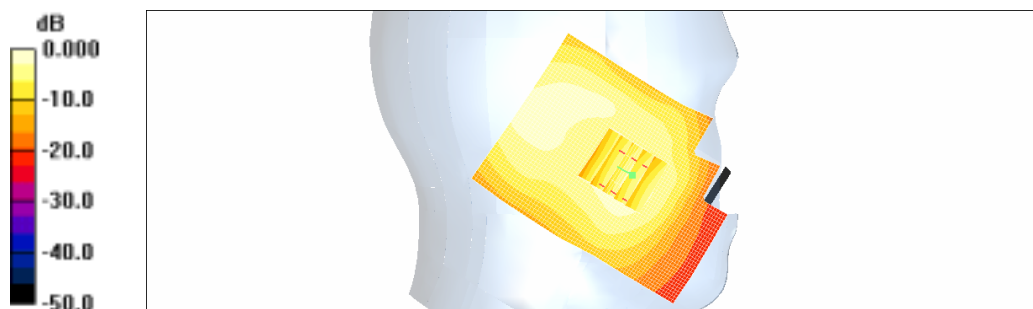
SAR(1 g) = 0.667 mW/g

Maximum value of SAR (measured) = 0.722 mW/g

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

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

Maximum value of SAR (interpolated) = 0.741 mW/g



0 dB = 0.741mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-i839 PCS Left Slide Down(Job No. : FD-233)

Procedure Name: Ear/Tilt, Ch.0025, Intenna, Bat. Standard

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1851.25 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Ear/Tilt, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.853 mW/g

Ear/Tilt, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

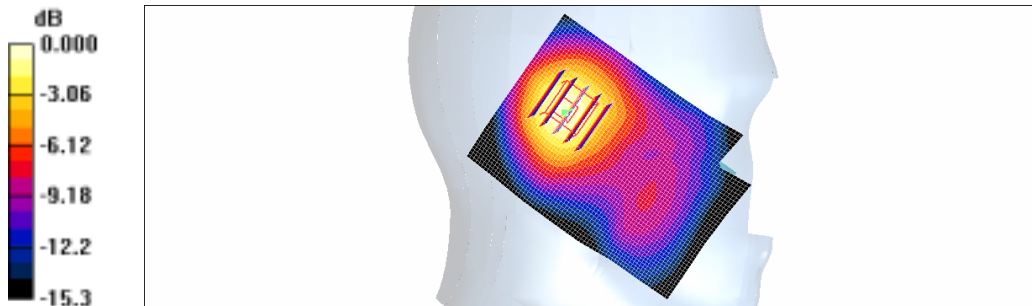
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.7 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.777 mW/g

Maximum value of SAR (measured) = 0.843 mW/g



0 dB = 0.843mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-I839 PCS Right Slide Up (Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 14.0 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 0.397 W/kg

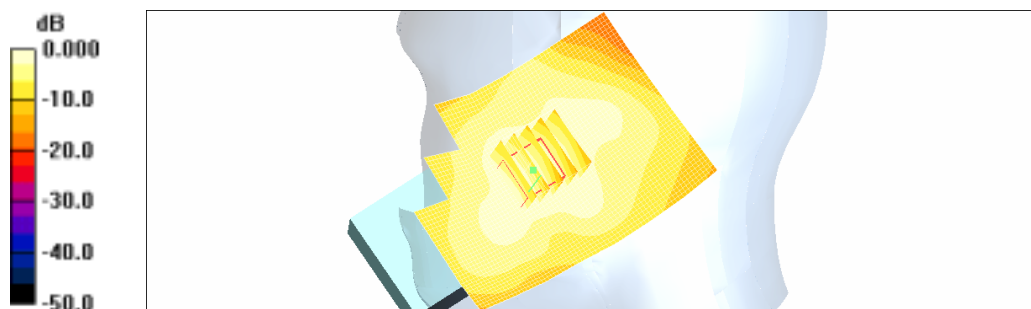
SAR(1 g) = 0.280 mW/g

Maximum value of SAR (measured) = 0.294 mW/g

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

dx=20mm, dy=20mm

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



0 dB = 0.271mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-I839 PCS Right Slide Up (Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Reference Value = 9.67 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.356 W/kg

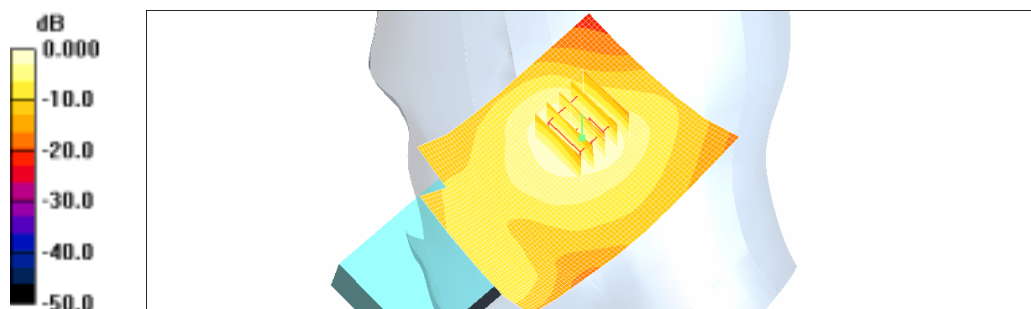
SAR(1 g) = 0.228 mW/g

Maximum value of SAR (measured) = 0.243 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.289 mW/g



0 dB = 0.289mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-i839 PCS Left Slide Up(Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 10.9 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 0.343 W/kg

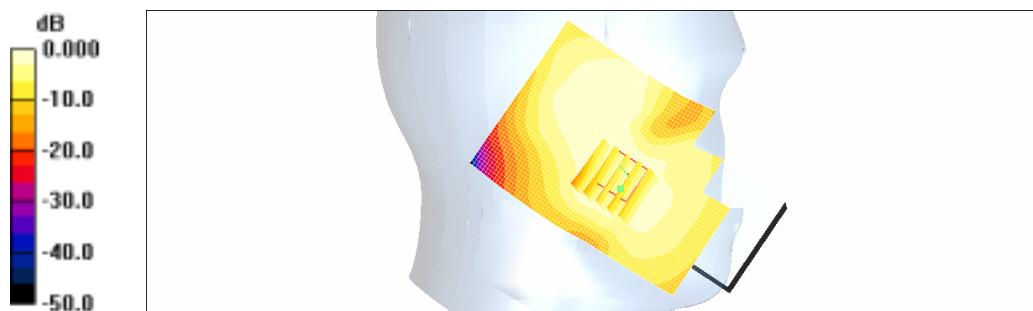
SAR(1 g) = 0.216 mW/g

Maximum value of SAR (measured) = 0.235 mW/g

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

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

Maximum value of SAR (interpolated) = 0.235 mW/g



0 dB = 0.235mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(UP); Serial: FD-233-J

Program Name: SCH-i839 PCS Left Slide Up(Job No. : FD-233)

Procedure Name: Ear/Tilt, Ch.0025, Intenna, Bat. Standard

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Ear/Tilt, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.56 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.501 W/kg

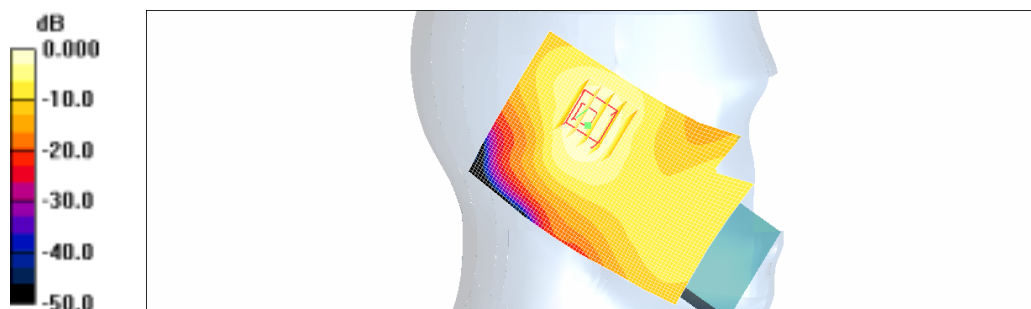
SAR(1 g) = 0.304 mW/g

Maximum value of SAR (measured) = 0.314 mW/g

Ear/Tilt, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.324 mW/g



0 dB = 0.324mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Body SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 PCS Body (Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.86, 7.86, 7.86); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 22.8 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 1.34 W/kg

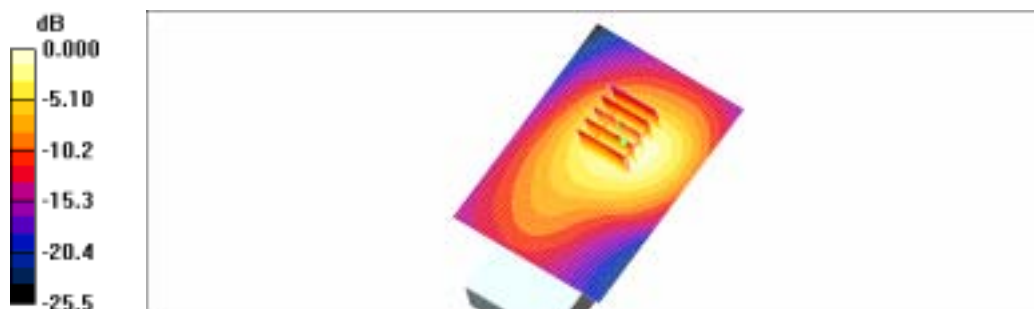
SAR(1 g) = 0.826 mW/g

Maximum value of SAR (measured) = 0.891 mW/g

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

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.894 mW/g



0 dB = 0.894mW/g

SAMSUNG FCC ID : A3LSCHI839 PCS Head SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-i839 PCS Left Slide Down(Job No. : FD-233)

Procedure Name: Ear/Tilt, Ch.0025, Intenna, Bat. Standard

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Ear/Tilt, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.853 mW/g

Ear/Tilt, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

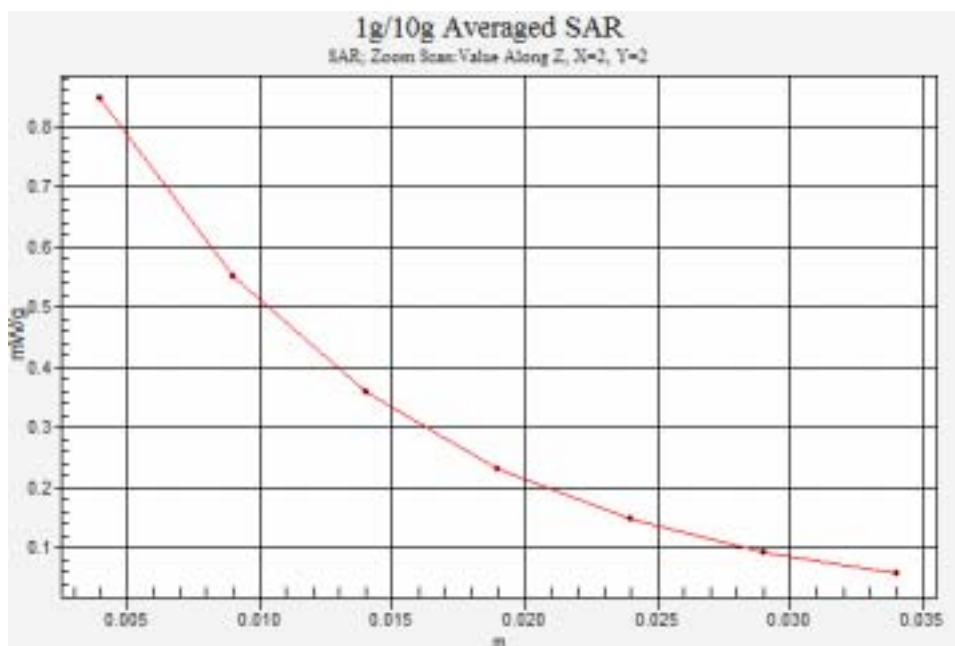
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.7 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.777 mW/g

Maximum value of SAR (measured) = 0.843 mW/g



SAMSUNG FCC ID : A3LSCHI839 PCS Body SAR

DUT: SCH-I839(DOWN); Serial: FD-233-J

Program Name: SCH-I839 PCS Body (Job No. : FD-233)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-22/Jan/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.86, 7.86, 7.86); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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 = 22.8 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.826 mW/g

Maximum value of SAR (measured) = 0.891 mW/g

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

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

Maximum value of SAR (interpolated) = 0.894 mW/g

