

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Right Slide Down (Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.951 mW/g

Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

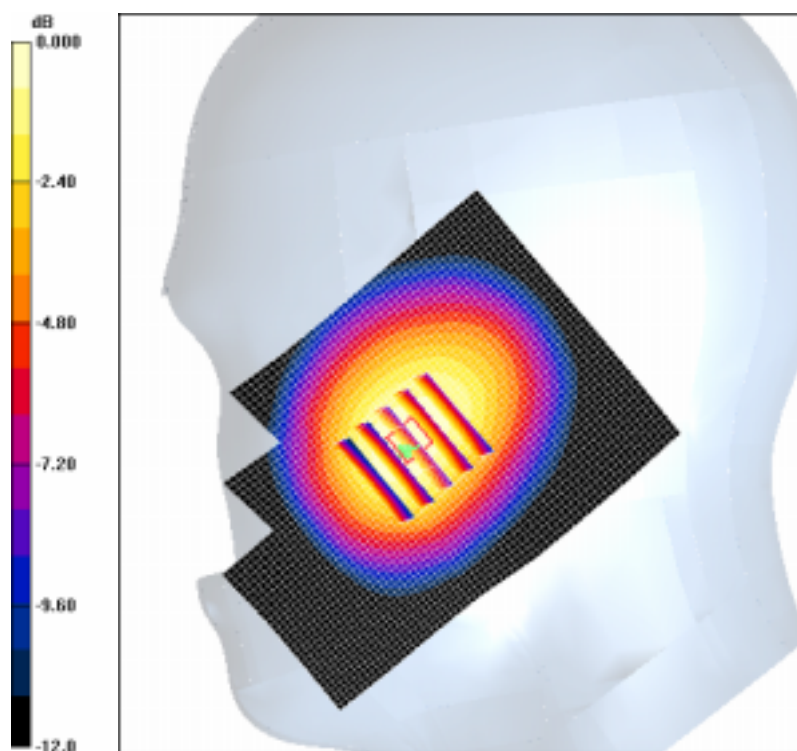
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.4 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.881 mW/g

Maximum value of SAR (measured) = 0.946 mW/g



0 dB = 0.946mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Right Slide Down (Job No. : FD-222)

Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.418 mW/g

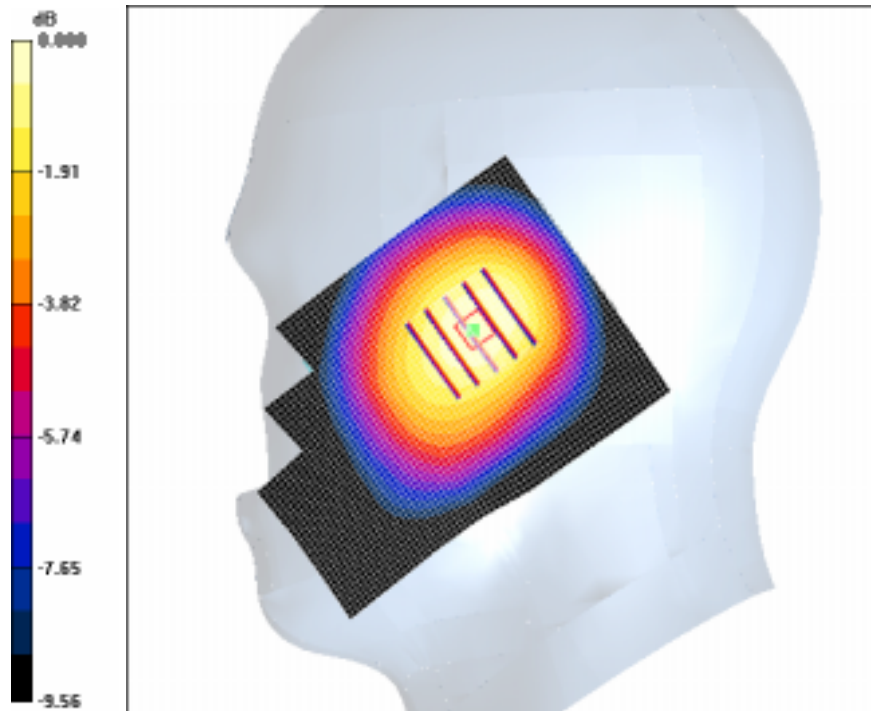
Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.6 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.390 mW/g

Maximum value of SAR (measured) = 0.413 mW/g



0 dB = 0.413mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Left Slide Down(Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.000 mW/g

Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

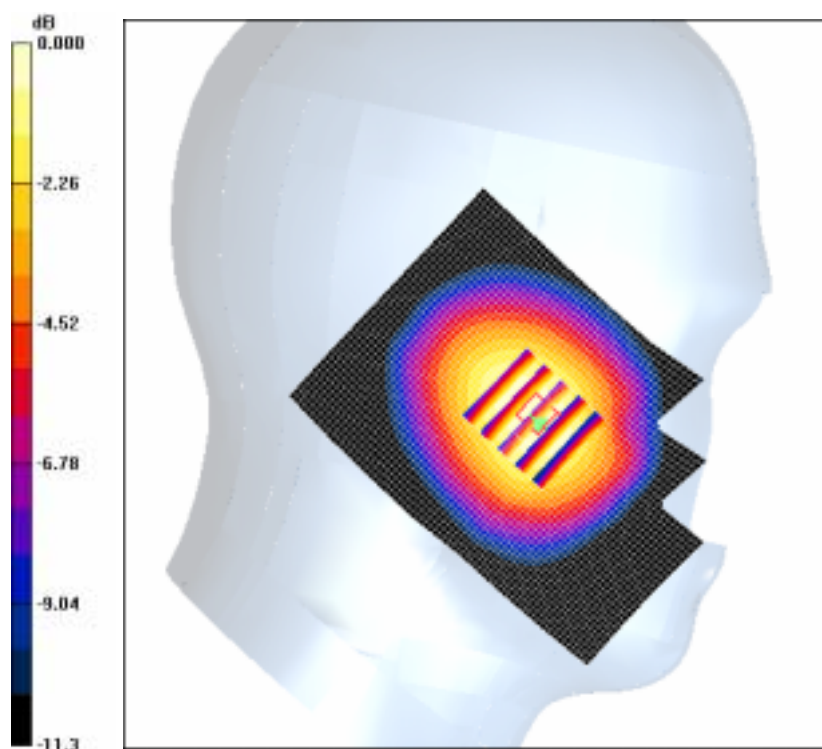
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.3 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.856 mW/g

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



0 dB = 0.915mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Left Slide Down(Job No. : FD-222)

Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.407 mW/g

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

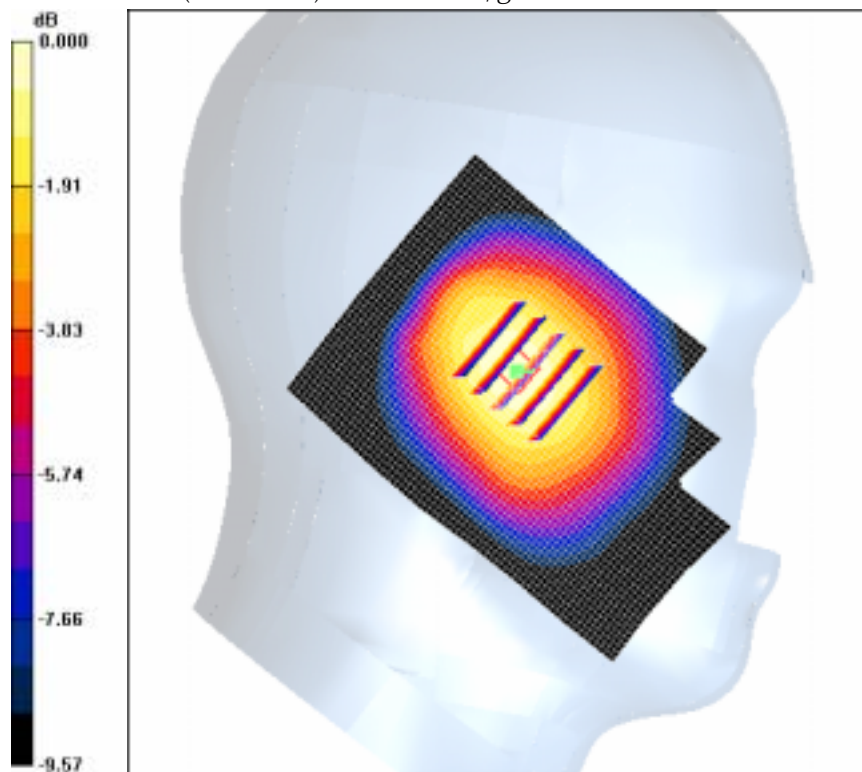
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.8 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.392 mW/g

Maximum value of SAR (measured) = 0.419 mW/g



0 dB = 0.419mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Right Slide Up (Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.45 mW/g

Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

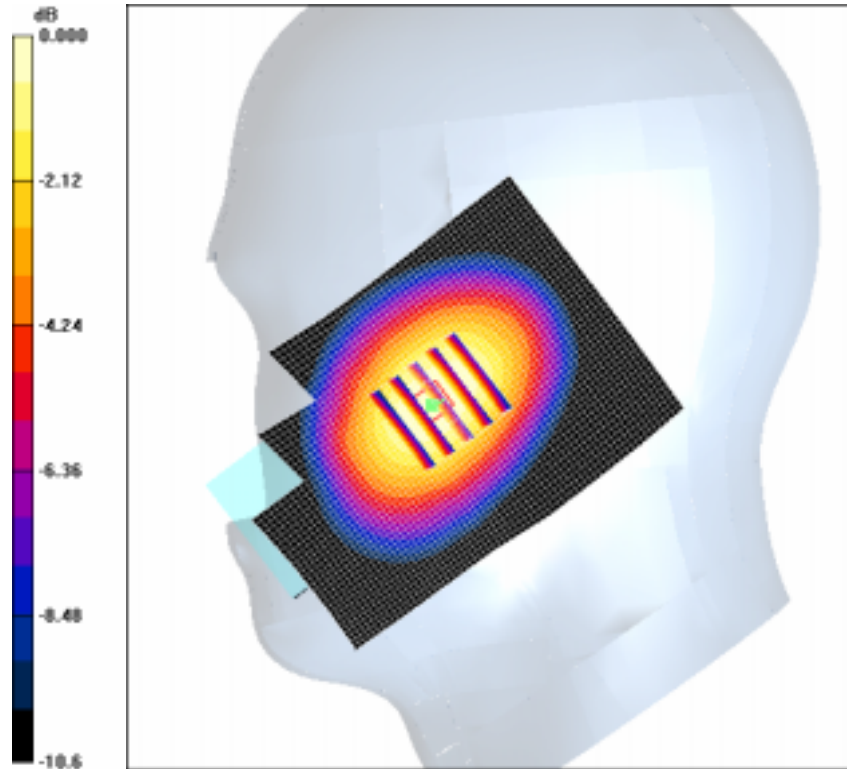
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.7 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.32 mW/g

Maximum value of SAR (measured) = 1.41 mW/g



0 dB = 1.41mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Right Slide Up (Job No. : FD-222)

Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

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

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

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

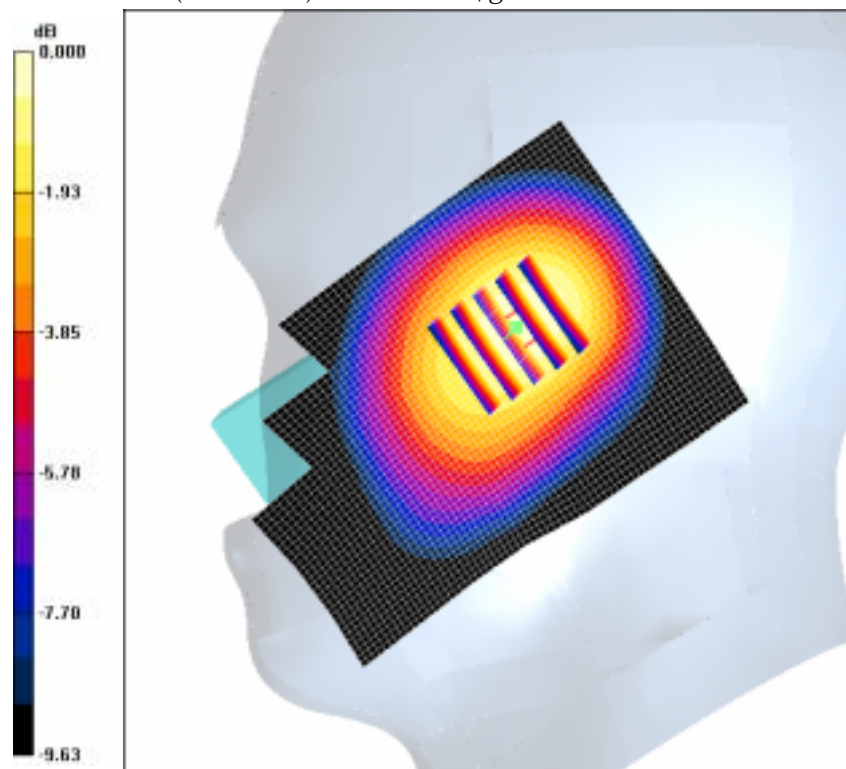
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.6 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.561 mW/g

Maximum value of SAR (measured) = 0.596 mW/g



0 dB = 0.596mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Left Slide Up(Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.36 mW/g

Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

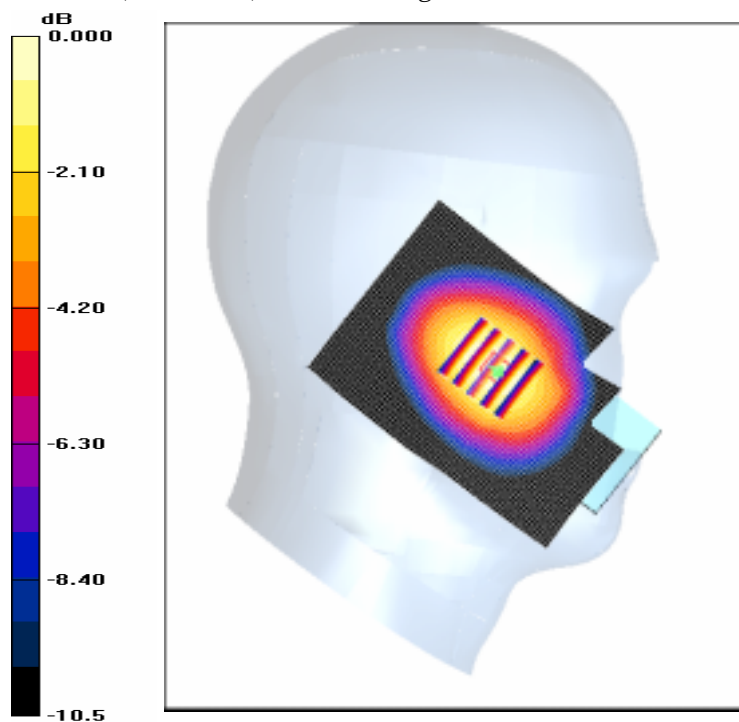
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.4 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 1.19 mW/g

Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Left Slide Up(Job No. : FD-222)

Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.500 mW/g

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

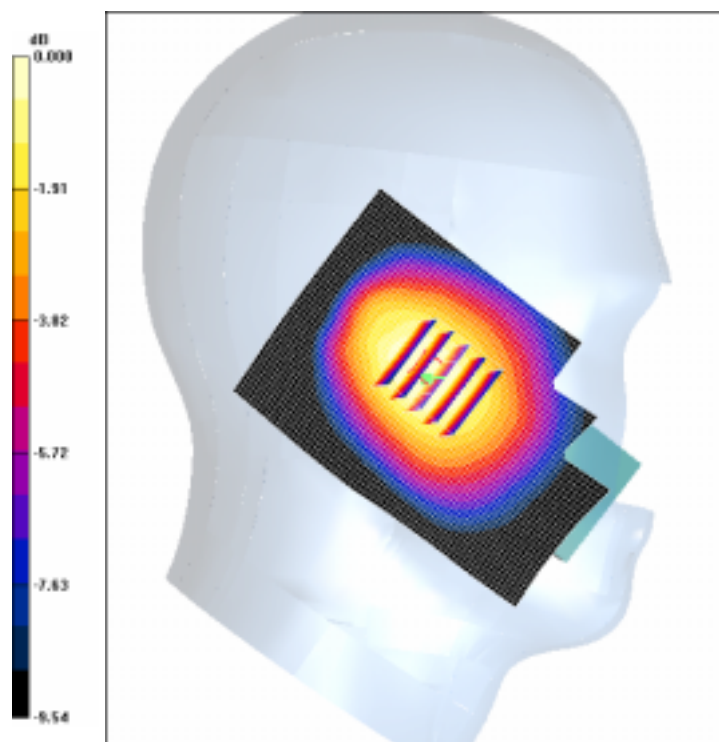
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.4 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 0.598 W/kg

SAR(1 g) = 0.461 mW/g

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



0 dB = 0.483mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM850 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Right Slide Up (Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.1, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.45 mW/g

Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 38.7 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.32 mW/g

Maximum value of SAR (measured) = 1.41 mW/g



SAMSUNG FCC ID : A3LSGHE256 GPRS850 Body SAR

DUT: SGH-E256(Body); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Body (Job No. : FD-222)

Procedure Name: Body, Ch.128, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.2, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850 (GPRS); Frequency: 824.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.31, 6.31, 6.13); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.57 mW/g

Body, Ch.128, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

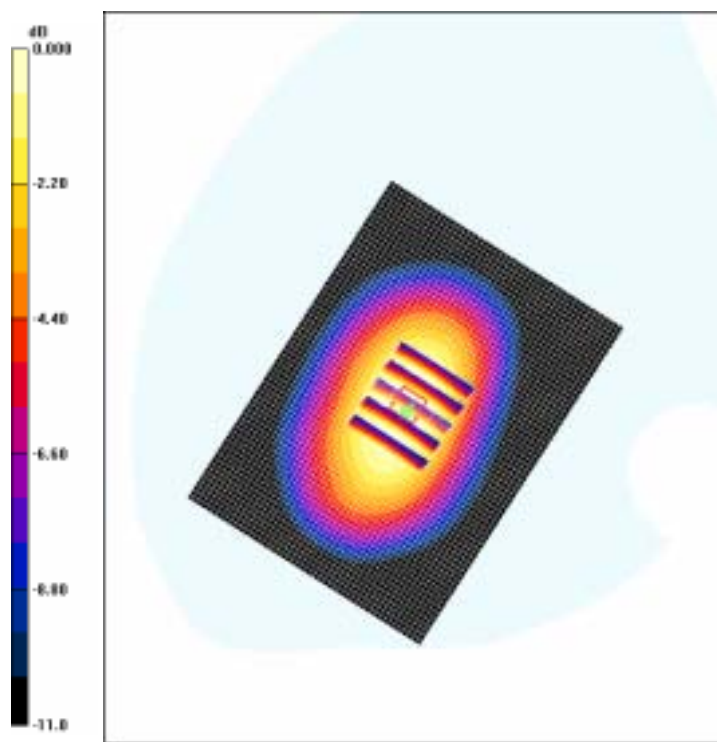
dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.1 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.37 mW/g

Maximum value of SAR (measured) = 1.47 mW/g



0 dB = 1.47mW/g

SAMSUNG FCC ID : A3LSGHE256 GPRS850 Body SAR

DUT: SGH-E256(Body); Serial: FD-222-A

Program Name: SGH-E256 GSM850 Body (Job No. : FD-222)

Procedure Name: Body, Ch.128, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.2, Tissue Temp(celsius) - 21.9 ;Test Date - 04/Nov/2006

Communication System: GSM 850 (GPRS); Frequency: 824.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.31, 6.31, 6.13); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.57 mW/g

Body, Ch.128, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 23.1 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.37 mW/g

Maximum value of SAR (measured) = 1.47 mW/g



SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Right Slide Down(Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard With BT ON

Meas. Ambient Temp(celsius) - 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.512, Ant.Intenna, Bat.Standard With BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 1.22 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube

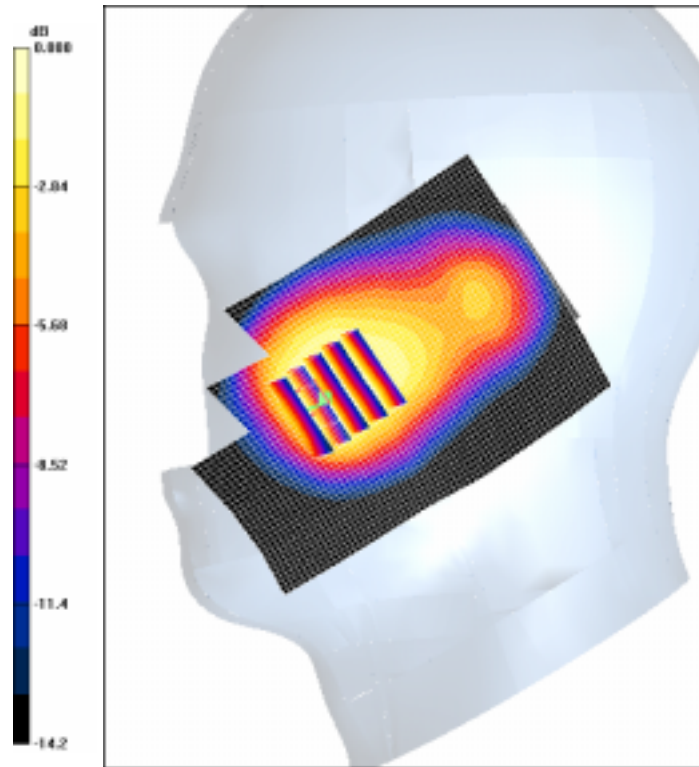
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.4 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.880 mW/g

Maximum value of SAR (measured) = 0.985 mW/g



0 dB = 0.985mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Right Slide Down(Job No. : FD-222)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) – 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.350 mW/g

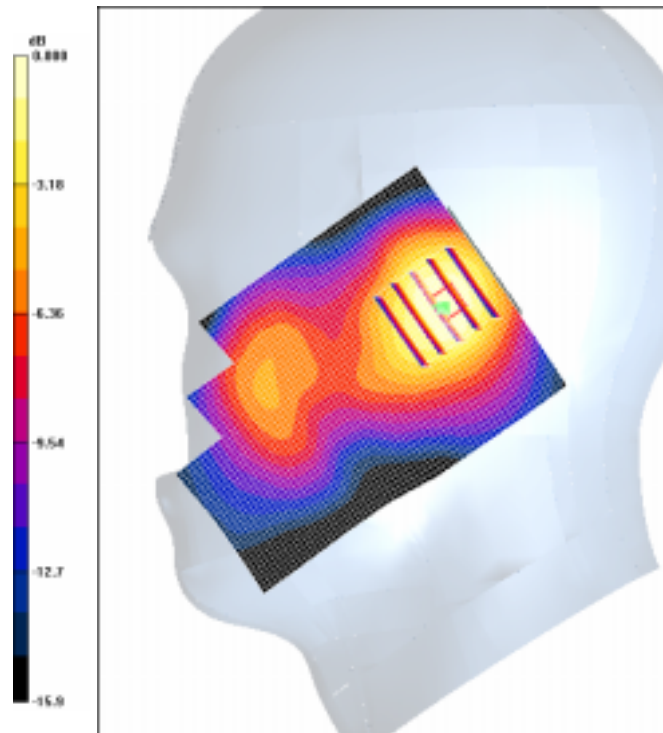
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.51 V/m; Power Drift = 0.076 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.309 mW/g



0 dB = 0.309mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Left Slide Down(Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.897 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

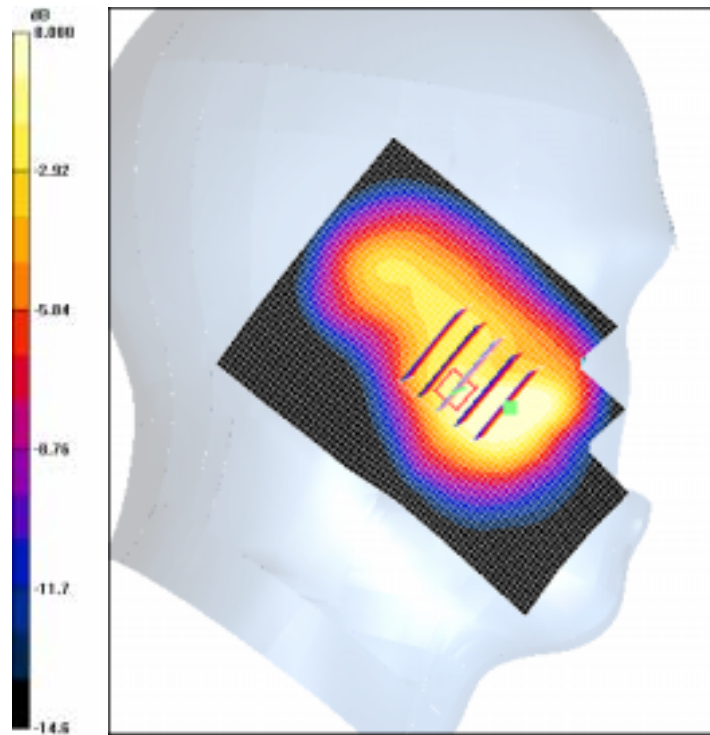
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.651 mW/g

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



0 dB = 0.712mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Left Slide Down(Job No. : FD-222)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) – 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.405 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

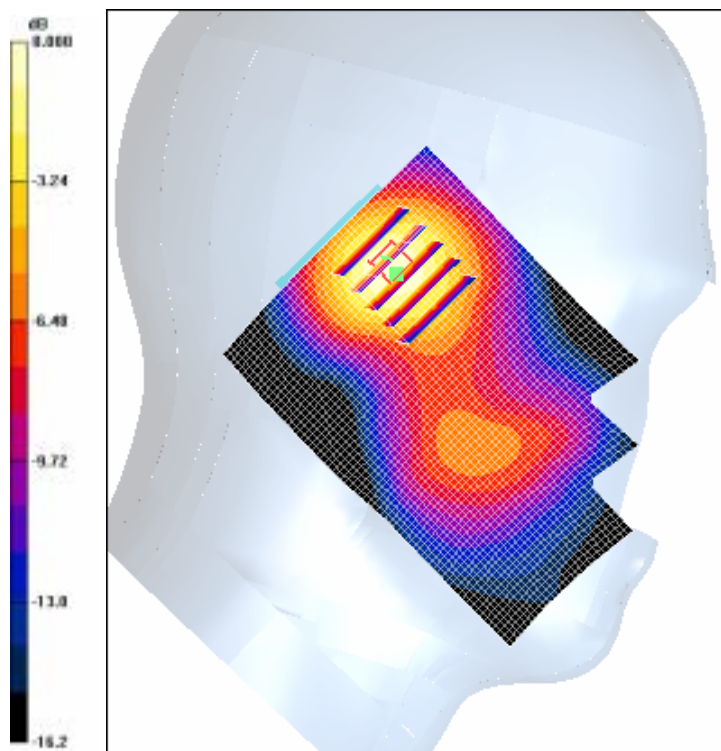
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.572 W/kg

SAR(1 g) = 0.373 mW/g

Maximum value of SAR (measured) = 0.402 mW/g



0 dB = 0.402mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Right Slide Up (Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.403 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

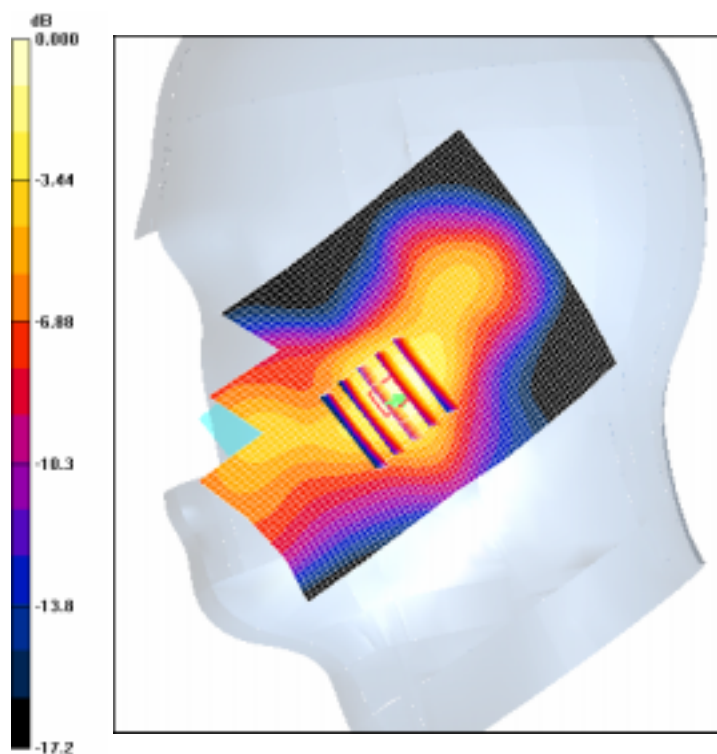
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.369 mW/g

Maximum value of SAR (measured) = 0.399 mW/g



0 dB = 0.399mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Right Slide Up (Job No. : FD-222)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) – 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.121 mW/g

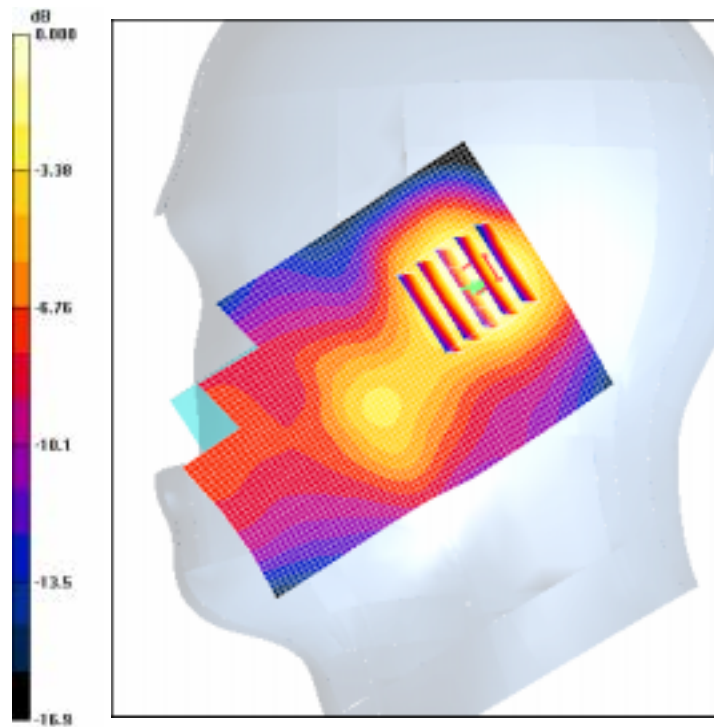
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.80 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.100 mW/g



0 dB = 0.100mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Left Slide Up(Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.167 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

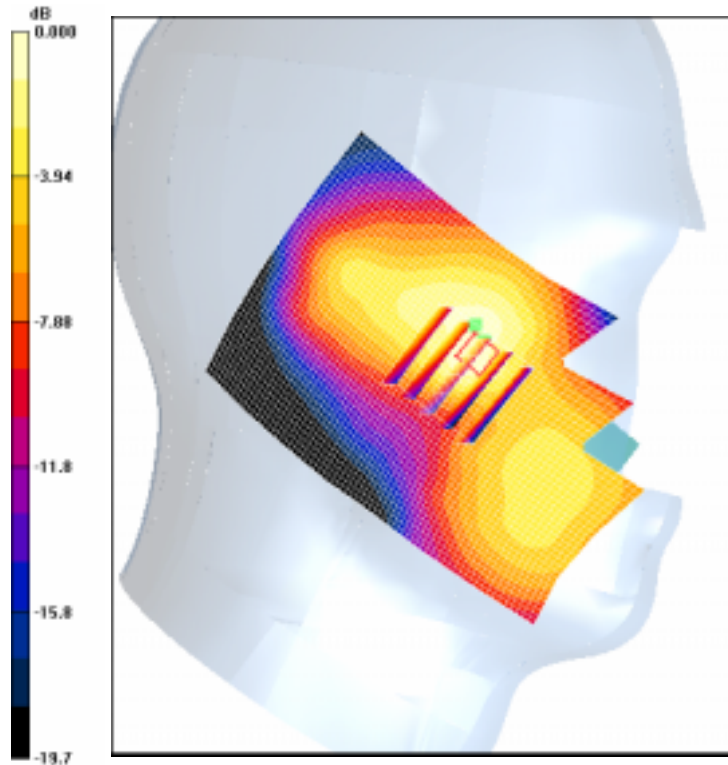
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.63 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.169 mW/g

Maximum value of SAR (measured) = 0.185 mW/g



0 dB = 0.185mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Up); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Left Slide Up(Job No. : FD-222)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) – 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.130 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

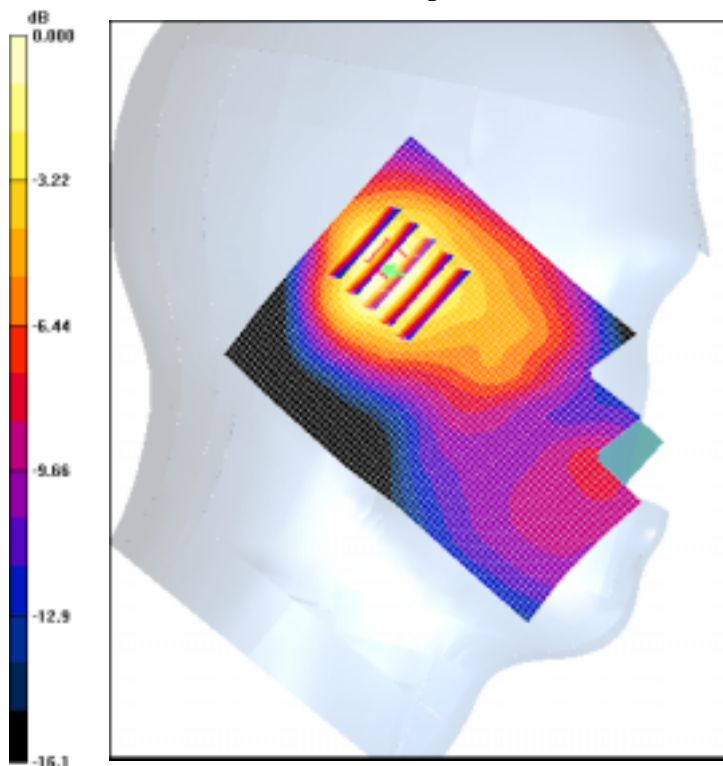
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.31 V/m; Power Drift = 0.108 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.117 mW/g



0 dB = 0.117mW/g

SAMSUNG FCC ID : A3LSGHE256 GSM1900 Head SAR

DUT: SGH-E256(Down); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Right Slide Down(Job No. : FD-222)

Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard With BT ON

Meas. Ambient Temp(celsius) - 22.0, Tissue Temp(celsius) - 21.6 ;Test Date - 03/Nov/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- 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.512, Ant.Intenna, Bat.Standard With BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 1.22 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube

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

Reference Value = 26.4 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.880 mW/g

Maximum value of SAR (measured) = 0.985 mW/g



SAMSUNG FCC ID : A3LSGHE256 GPRS1900 Body SAR

DUT: SGH-E256(Body); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Body (Job No. : FD-222)

Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard

Meas.Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-21.7 ;Test Date-03/Nov/2006

Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.57, 4.57, 4.57); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.983 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

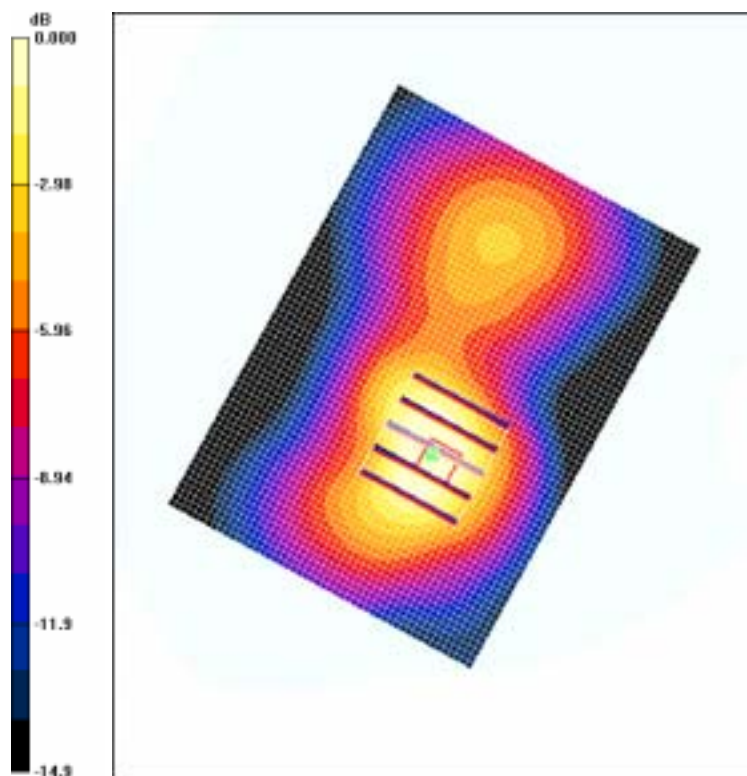
dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.816 mW/g

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



0 dB = 0.872mW/g

SAMSUNG FCC ID : A3LSGHE256 GPRS1900 Body SAR

DUT: SGH-E256(Body); Serial: FD-222-A

Program Name: SGH-E256 GSM1900 Body (Job No. : FD-222)

Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard

Meas.Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-21.7 ;Test Date-03/Nov/2006

Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.57, 4.57, 4.57); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.983 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 16.4 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.816 mW/g

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

