SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Down); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Right Slide Down(Job No. : FD-057)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; = 1.41 mho/m; $_r$ = 38.9; = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.400 mW/g

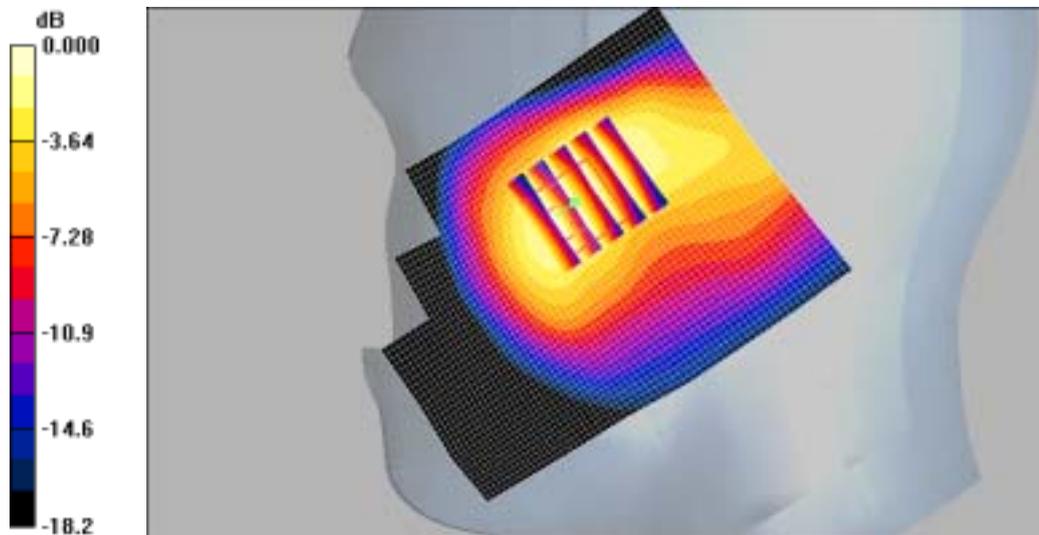**Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:**
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.5 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 0.608 W/kg
SAR(1 g) = 0.388 mW/g
Maximum value of SAR (measured) = 0.434 mW/g

0 dB = 0.434mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Down); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Right Slide Down(Job No. : FD-057)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; = 1.41 mho/m; $_r$ = 38.9; = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.285 mW/g

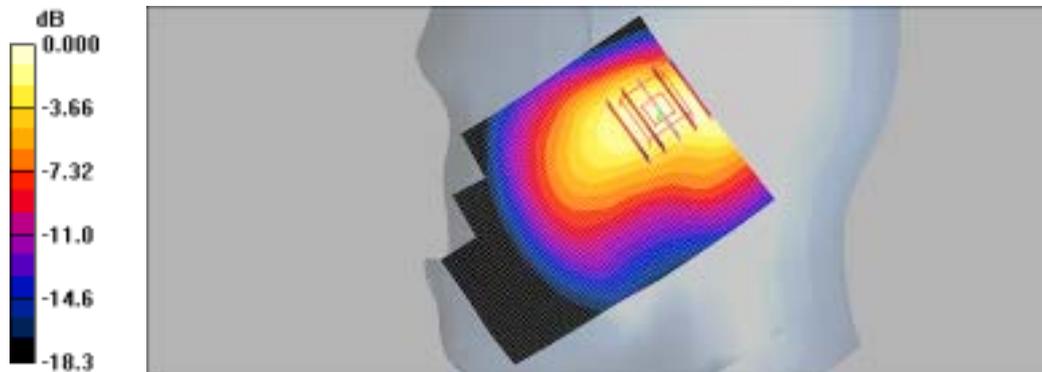**Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 0.397 W/kg
SAR(1 g) = 0.269 mW/g
Maximum value of SAR (measured) = 0.284 mW/g

0 dB = 0.284mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Down); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Left Slide Down(Job No. : FD-057)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; = 1.41 mho/m; $_r$ = 38.9; = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.458 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
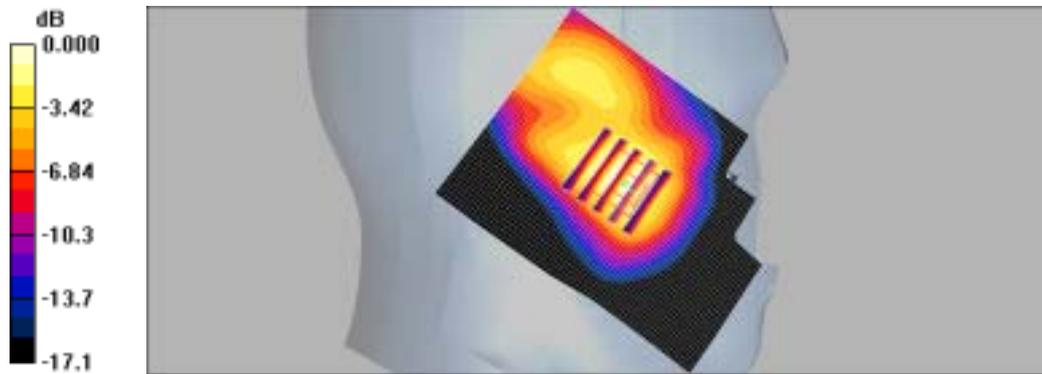Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 0.731 W/kg
SAR(1 g) = 0.446 mW/g
Maximum value of SAR (measured) = 0.499 mW/g

0 dB = 0.499mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Down); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Left Slide Down(Job No. : FD-057)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz;   = 1.41 mho/m; $_r$ = 38.9;   = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.321 mW/g

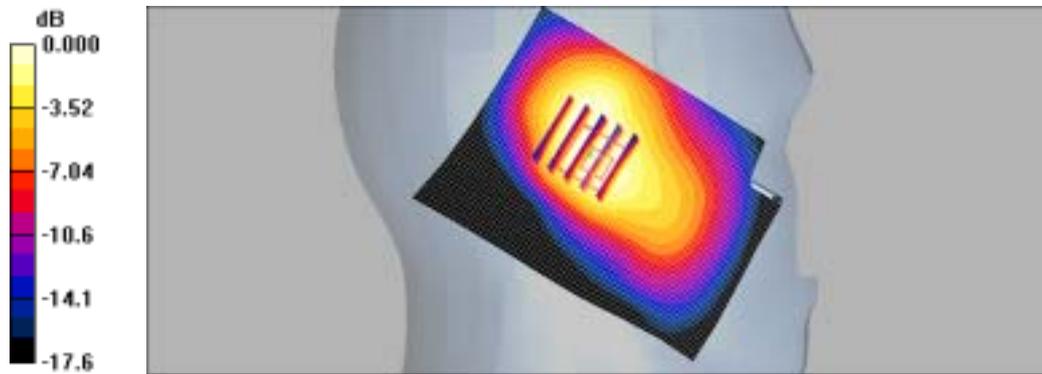**Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = 0.141 dB
Peak SAR (extrapolated) = 0.441 W/kg
SAR(1 g) = 0.265 mW/g
Maximum value of SAR (measured) = 0.291 mW/g

0 dB = 0.291mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Up); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Right Slide Up(Job No. : FD-057)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; = 1.41 mho/m; $_r$ = 38.9; = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.256 mW/g

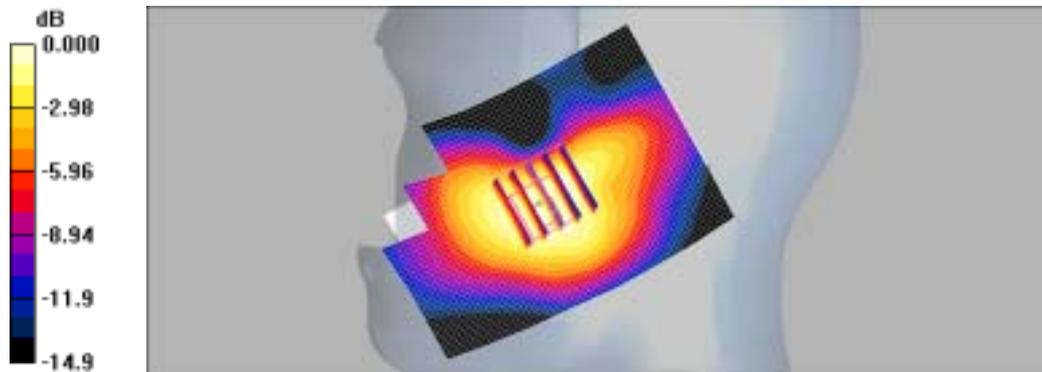**Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:**
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.91 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 0.354 W/kg
SAR(1 g) = 0.210 mW/g

Maximum value of SAR (measured) = 0.225 mW/g

0 dB = 0.225mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Up); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Right Slide Up(Job No. : FD-057)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; = 1.41 mho/m; $_r$ = 38.9; = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.106 mW/g

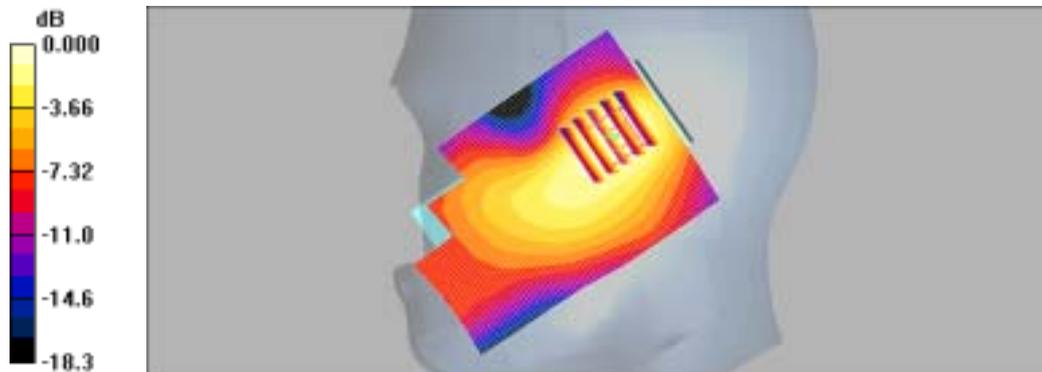**Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.30 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 0.127 W/kg
SAR(1 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.092 mW/g

0 dB = 0.092mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Up); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Left Slide Up(Job No. : FD-057)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; = 1.41 mho/m; $_r$ = 38.9; = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.306 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
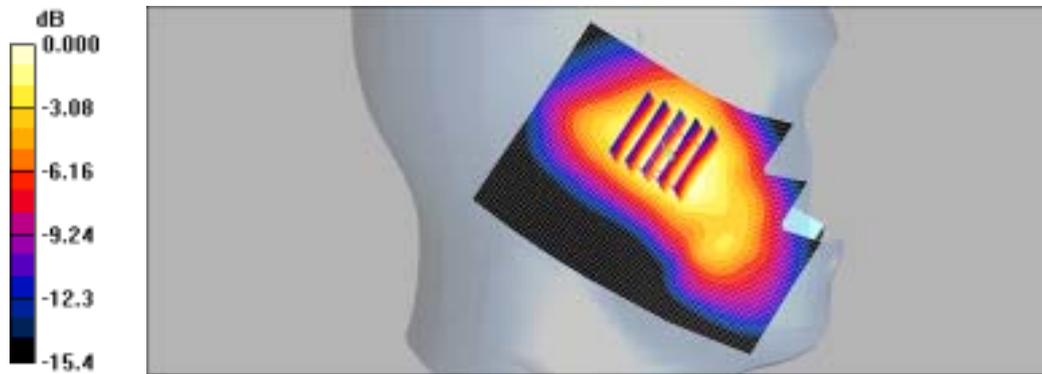Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.73 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 0.370 W/kg
SAR(1 g) = 0.237 mW/g
Maximum value of SAR (measured) = 0.255 mW/g

0 dB = 0.255mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Up); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Left Slide Up(Job No. : FD-057)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; = 1.41 mho/m; $_r$ = 38.9; = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.131 mW/g

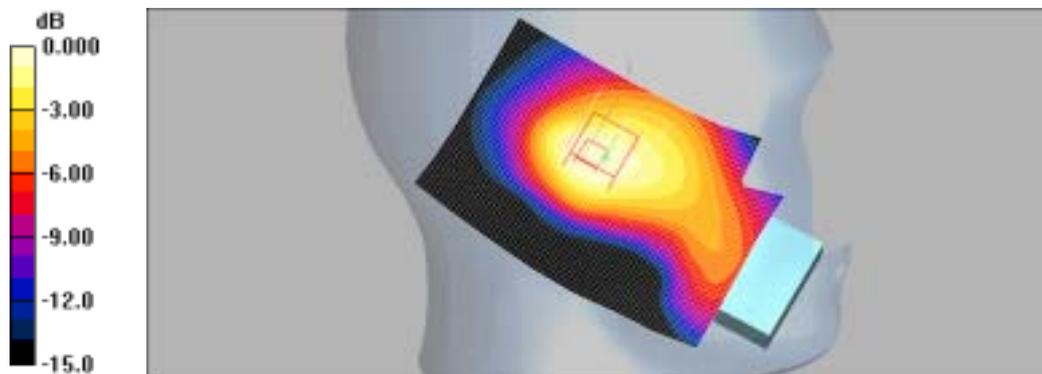**Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.73 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.124 mW/g

0 dB = 0.124mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Body SAR
DUT: SGH-Z400V(Down); Serial: FD-057-B
Program Name: SGH-Z400V GPRS1900 Body (Job No. : FD-057)
Procedure Name: Body, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-22.0;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM1900 GPRS; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; = 1.57 mho/m; $_r$ = 52; = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.42, 4.42, 4.42); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.381 mW/g

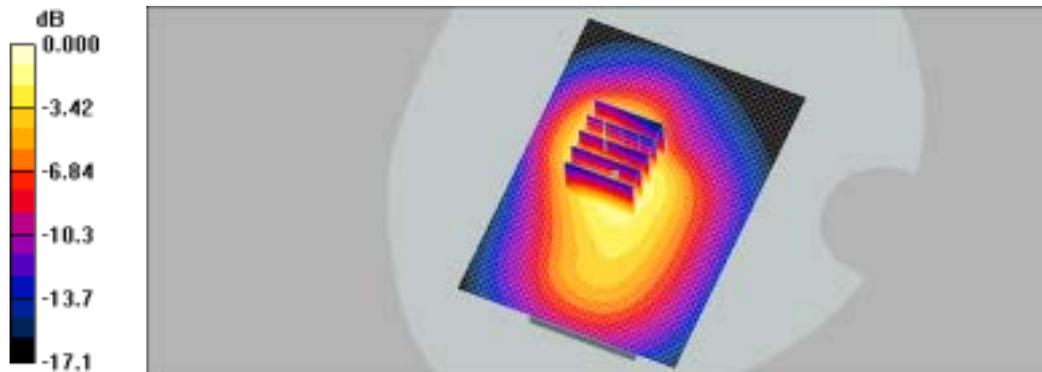**Body, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.02 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 0.585 W/kg
SAR(1 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.418 mW/g

0 dB = 0.418mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Head SAR
DUT: SGH-Z400V(Down); Serial: FD-057-B
Program Name: SGH-Z400V GSM1900 Left Slide Down(Job No. : FD-057)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; = 1.41 mho/m; $_r$ = 38.9; = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.458 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 = 10.1 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 0.731 W/kg
SAR(1 g) = 0.446 mW/g
Maximum value of SAR (measured) = 0.499 mW/g

SAMSUNG FCC ID : A3LSGHZ400V 1900MHz GSM1900 Body SAR
DUT: SGH-Z400V(Down); Serial: FD-057-B
Program Name: SGH-Z400V GPRS1900 Body (Job No. : FD-057)
Procedure Name: Body, Ch.661, Ant.Interna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-22.0;Test Date-14/Apr/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM1900 GPRS; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.42, 4.42, 4.42); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.661, Ant.Interna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.381 mW/g

Body, Ch.661, Ant.Interna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.02 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 0.585 W/kg
SAR(1 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.418 mW/g

1g/10g Averaged SAR
SAR, Zoom Scan:Value Along Z, X=3, Y=3