SAMSUNG FCC ID : A3LSGHE316 -- 835MHz GSM 850 Head SAR

DUT: SGH-E316; Serial: FB-004-A

Program Name: SGH-E316 GSM850 Right (Job No.: FB-004)
Procedure Name: Cheek/Touch, Ch.251, Ant.Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.8;Test Date-27/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

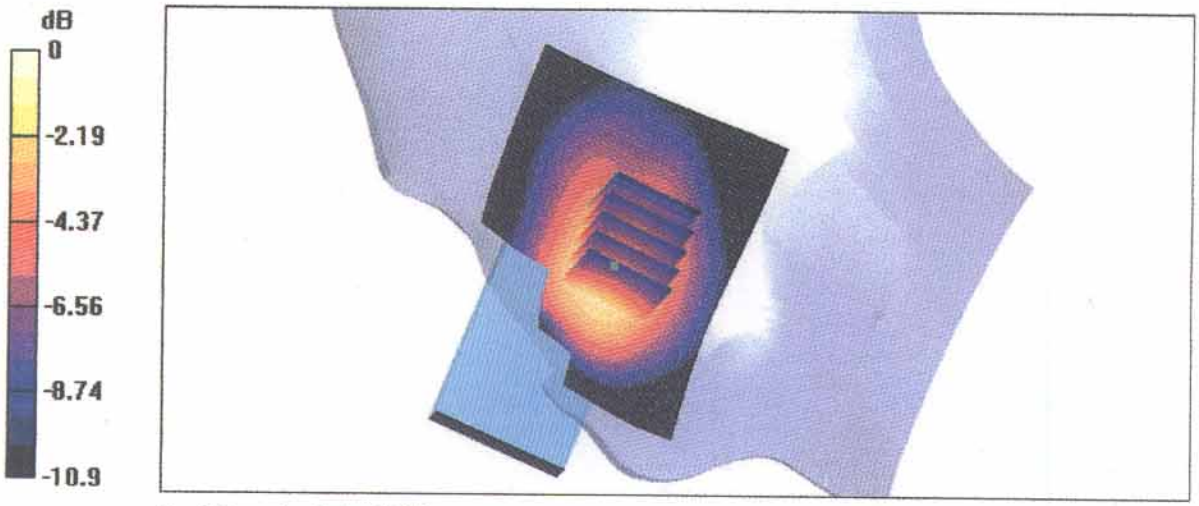
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Head 835 MHz ($\sigma = 0.89$ mho/m, $\varepsilon_r = 41.5003$, $\rho = 1000$ kg/m^3)
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.7, 6.7, 6.7); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.1 Build 47;

Cheek/Touch, Ch.251, Ant.Fixed, Bat. Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.5 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 1.55 mW/g

Cheek/Touch, Ch.251, Ant.Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 1.44 mW/g
Reference Value = 10.5 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 1.57 mW/g



0 dB = 1.57mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 835MHz GSM 850 Head SAR

DUT: SGH-E316; Serial: FB-004-A

Program Name: SGH-E316 GSM850 Right (Job No.: FB-004)
Procedure Name: Ear/Tilt, Ch.251, Ant.Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.8;Test Date-27/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

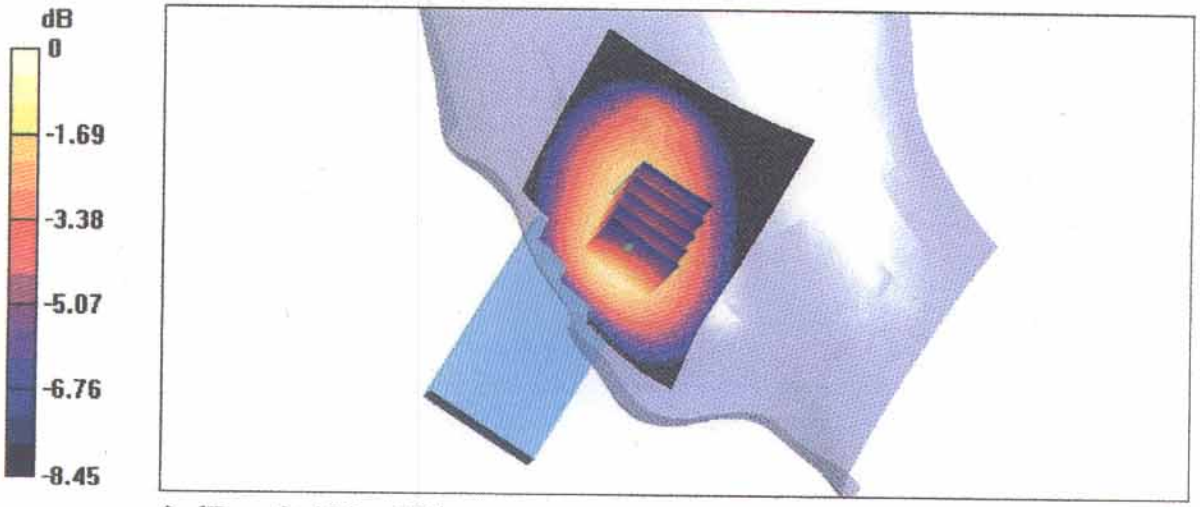
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Head 835 MHz (σ = 0.89 mho/m, ε_r = 41.5003, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.7, 6.7, 6.7); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.1 Build 47;

Ear/Tilt, Ch.251, Ant.Fixed, Bat. Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.7 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.42 mW/g

Ear/Tilt, Ch.251, Ant.Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.501 W/kg
SAR(1 g) = 0.399 mW/g
Reference Value = 13.7 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.422 mW/g



0 dB = 0.422mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 835MHz GSM 850 Head SAR

DUT: SGH-E316; Serial: FB-004-A

Program Name: SGH-E316 GSM850 Left (Job No.: FB-004)
Procedure Name: Cheek/Touch, Ch.190, Ant. Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.8;Test Date-27/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

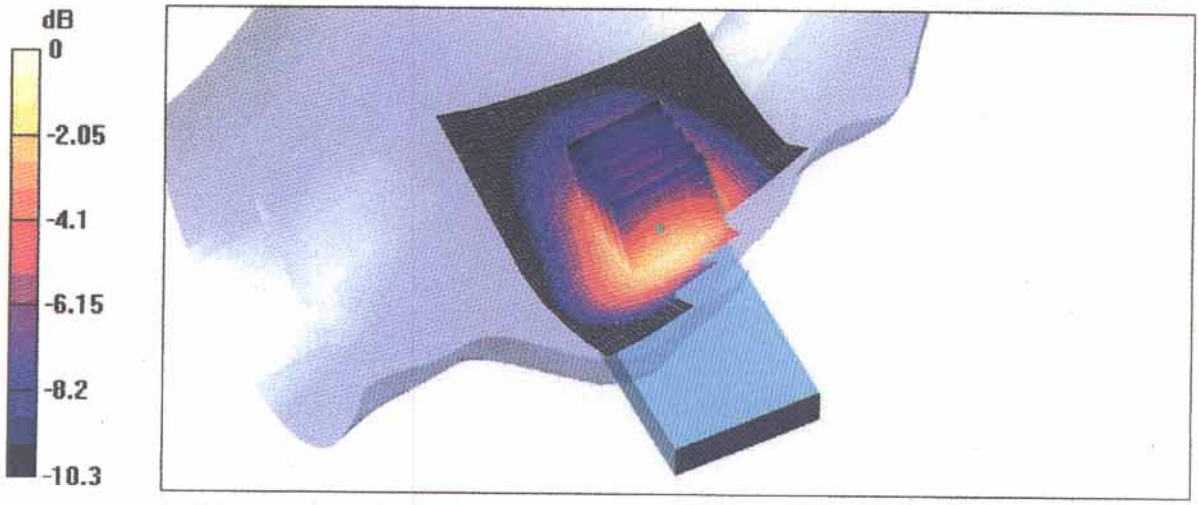
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: Head 835 MHz (σ = 0.89 mho/m, ε_r = 41.5003, ρ = 1000 kg/m^3)
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.7, 6.7, 6.7); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.1 Build 47;

Cheek/Touch, Ch.190, Ant. Fixed, Bat.Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 9.69 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 1.41 mW/g

Cheek/Touch, Ch.190, Ant. Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.29 mW/g
Reference Value = 9.69 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 1.38 mW/g



0 dB = 1.38mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 835MHz GSM 850 Head SAR

DUT: SGH-E316; Serial: FB-004-A

Program Name: SGH-E316 GSM850 Left (Job No.: FB-004)
Procedure Name: Ear/Tilt, Ch.190, Ant. Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.8;Test Date-27/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

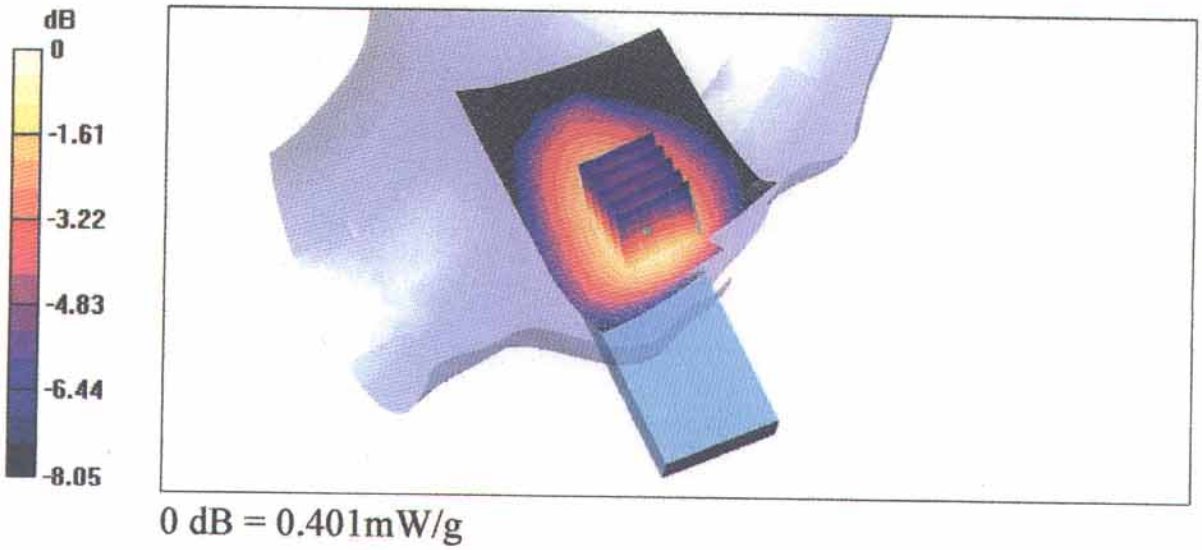
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: Head 835 MHz (σ = 0.89 mho/m, ε_r = 41.5003, ρ = 1000 kg/m^3)
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.7, 6.7, 6.7); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.1 Build 47;

Ear/Tilt, Ch.190, Ant. Fixed, Bat.Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.1 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.397 mW/g

Ear/Tilt, Ch.190, Ant. Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.477 W/kg
SAR(1 g) = 0.378 mW/g
Reference Value = 13.1 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.401 mW/g



0 dB = 0.401mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E316; Serial: FB-004

Program Name: SGH-E316 GSM1900 Right (Job No.: FB-004)
Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-26/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

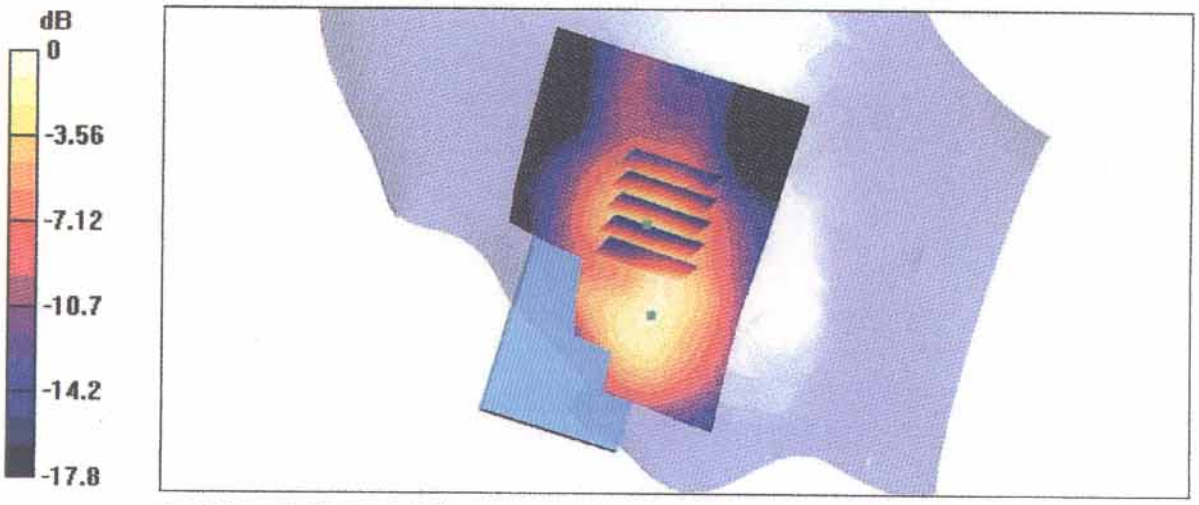
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz (σ = 1.42 mho/m, ε_r = 40.07, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.4, 5.4, 5.4); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.1 Build 47;

Cheek/Touch, Ch.512, Ant.Fixed, Bat. Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 5.46 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.725 mW/g

Cheek/Touch, Ch.512, Ant.Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.1 W/kg
SAR(1 g) = 0.663 mW/g
Reference Value = 5.46 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.755 mW/g



0 dB = 0.755mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E316; Serial: FB-004

Program Name: SGH-E316 GSM1900 Right (Job No.: FB-004)
Procedure Name: Ear/Tilt, Ch.512, Ant.Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-26/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

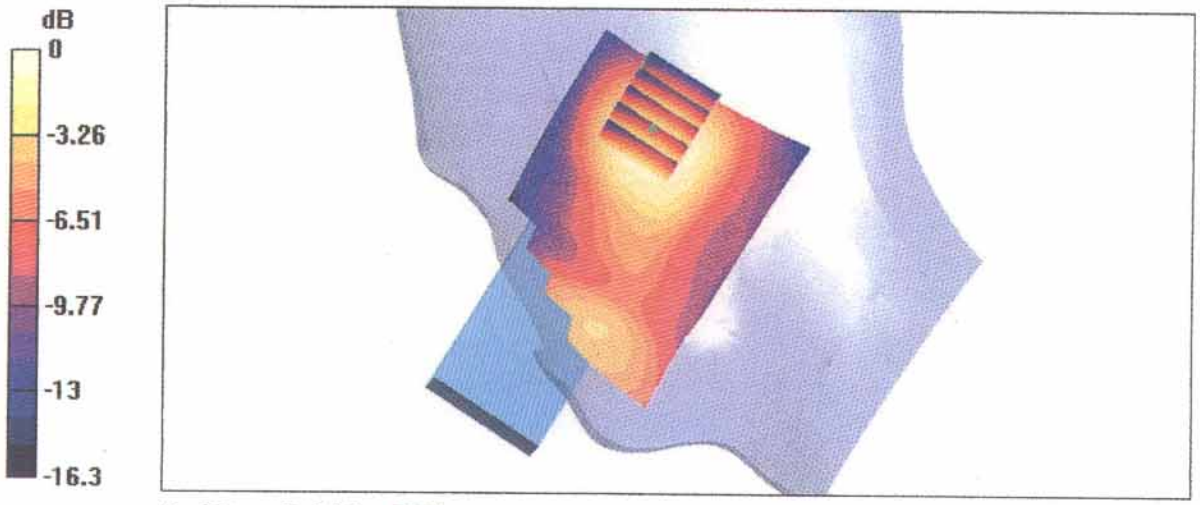
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz (σ = 1.42 mho/m, ε_r = 40.07, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.4, 5.4, 5.4); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.1 Build 47;

Ear/Tilt, Ch.512, Ant.Fixed, Bat. Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.58 V/m
Power Drift = 0.09 dB
Maximum value of SAR = 0.116 mW/g

Ear/Tilt, Ch.512, Ant.Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.0985 mW/g
Reference Value = 8.58 V/m
Power Drift = 0.09 dB
Maximum value of SAR = 0.103 mW/g



0 dB = 0.103mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E316; Serial: FB-004

Program Name: SGH-E316 GSM1900 Left (Job No.: FB-004)
Procedure Name: Cheek/Touch, Ch.512, Ant. Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-26/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

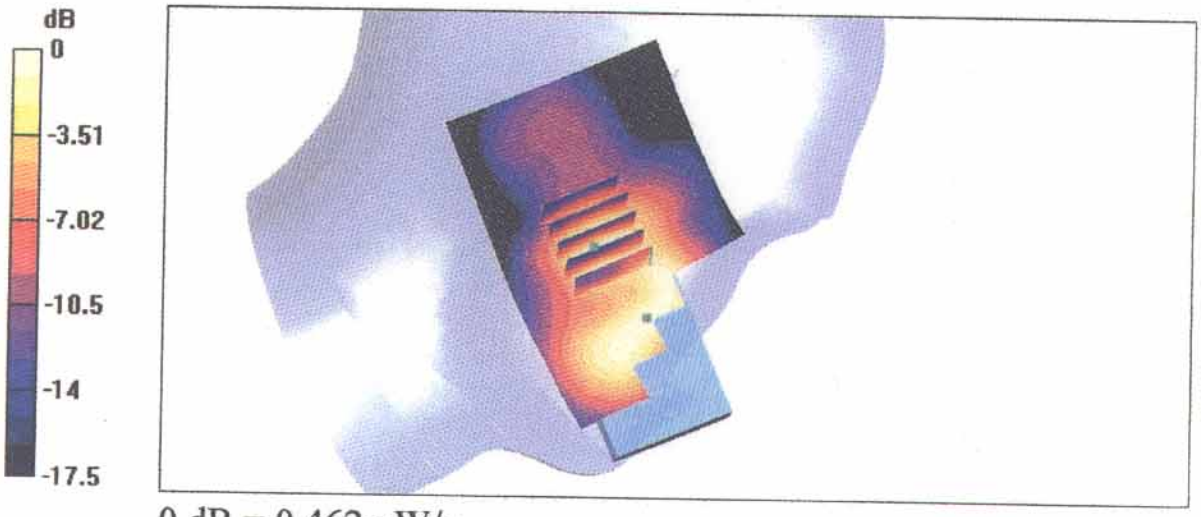
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz (σ = 1.42 mho/m, ε_r = 40.07, ρ = 1000 kg/m^3)
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.4, 5.4, 5.4); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.1 Build 47;

Cheek/Touch, Ch.512, Ant. Fixed, Bat.Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 5.47 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.425 mW/g

Cheek/Touch, Ch.512, Ant. Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.685 W/kg
SAR(1 g) = 0.413 mW/g
Reference Value = 5.47 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.462 mW/g



0 dB = 0.462mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E316; Serial: FB-004

Program Name: SGH-E316 GSM1900 Left (Job No.: FB-004)
Procedure Name: Ear/Tilt, Ch.512, Ant. Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-26/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

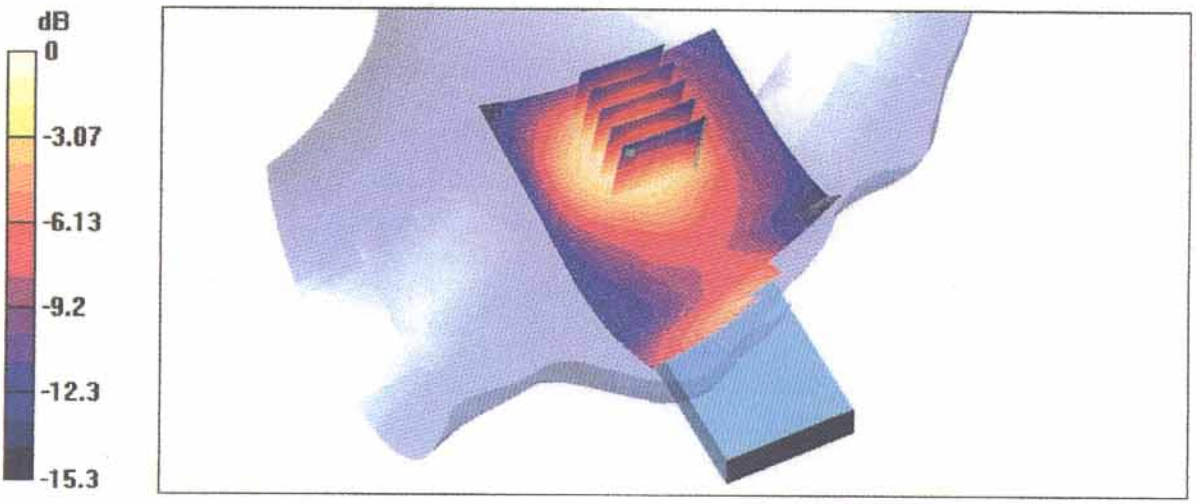
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz (σ = 1.42 mho/m, ε_r = 40.07, ρ = 1000 kg/m^3)
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.4, 5.4, 5.4); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.1 Build 47;

Ear/Tilt, Ch.512, Ant. Fixed, Bat.Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.99 V/m
Power Drift = 0.005 dB
Maximum value of SAR = 0.129 mW/g

Ear/Tilt, Ch.512, Ant. Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.162 W/kg
SAR(1 g) = 0.118 mW/g
Reference Value = 8.99 V/m
Power Drift = 0.005 dB
Maximum value of SAR = 0.123 mW/g



0 dB = 0.123mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 835MHz GSM 850 Body SAR

DUT: SGH-E316 (Body); Serial: FB-004-A

Program Name: SGH-E316 GSM850 GSM mode Body (Job No. : FB-004)
Procedure Name: Body, Ch.251, Ant. Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-27/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

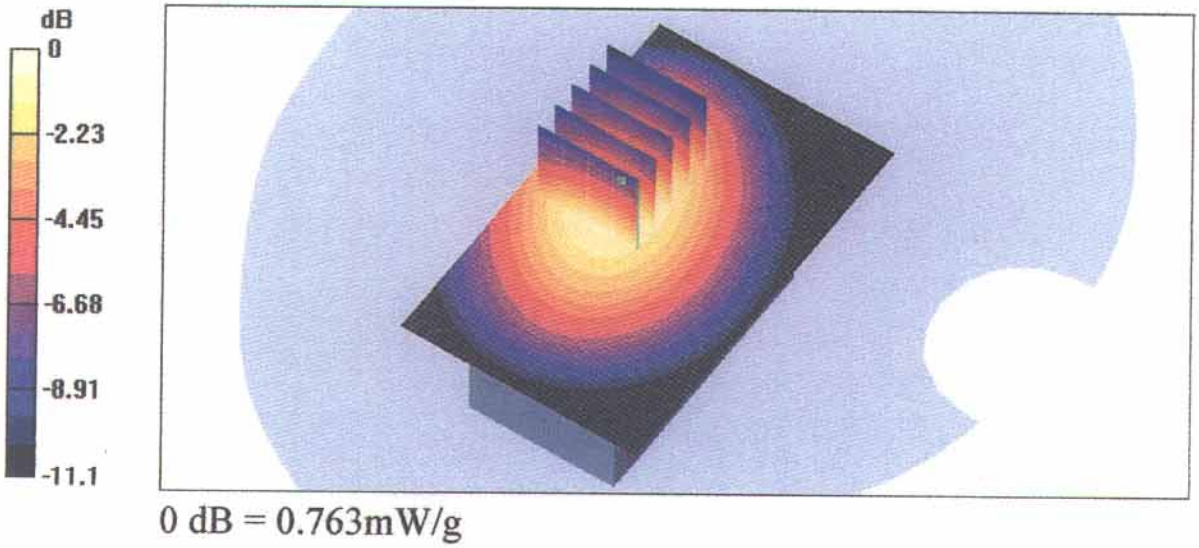
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Head 835 (Body)MHz (σ = 0.93 mho/m, ε_r = 52.9797, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.9, 6.9, 6.9); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.1 Build 47;

Body, Ch.251, Ant. Fixed, Bat. Standard/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 20.9 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.769 mW/g

Body, Ch.251, Ant. Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.965 W/kg
SAR(1 g) = 0.719 mW/g
Reference Value = 20.9 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.763 mW/g



0 dB = 0.763mW/g

Test Laboratory: SAMSUNG Eletronics

SAMSUNG FCC ID : A3LSGHE316 -- 835MHz GSM 850 Body SAR

DUT: SGH-E316 (Body); Serial: FB-004-A
Program Name: SGH-E316 GSM850 GPRS mode Body (Job No. : FB-004)
Procedure Name: Body, Ch.251, Ant. Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-27/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

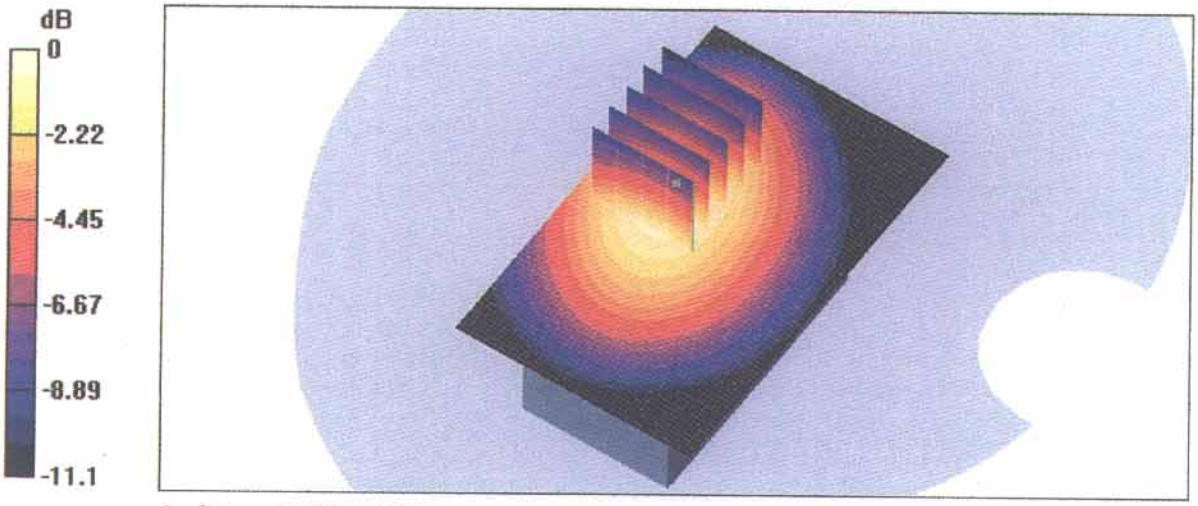
Communication System: GSM 850 (GPRS); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: Head 835 (Body)MHz (σ = 0.93 mho/m, ε_r = 52.9797, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.9, 6.9, 6.9); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.1 Build 47;

Body, Ch.251, Ant. Fixed, Bat. Standard/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 28.2 V/m
Power Drift = -0.05 dB
Maximum value of SAR = 1.42 mW/g

Body, Ch.251, Ant. Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 1.3 mW/g
Reference Value = 28.2 V/m
Power Drift = -0.05 dB
Maximum value of SAR = 1.38 mW/g



0 dB = 1.38mW/g

Test Laboratory: SAMSUNG Eletronics

SAMSUNG FCC ID : A3LSGHE316 -- 1900MHz PCS GSM Body SAR

DUT: SGH-E316 (Body); Serial: FB-004-A
Program Name: SGH-E316 GSM1900 Mode Body (Job No.FB-004)
Procedure Name: Body, Ch. 512, Ant. fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-20.9; Test Date-28/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

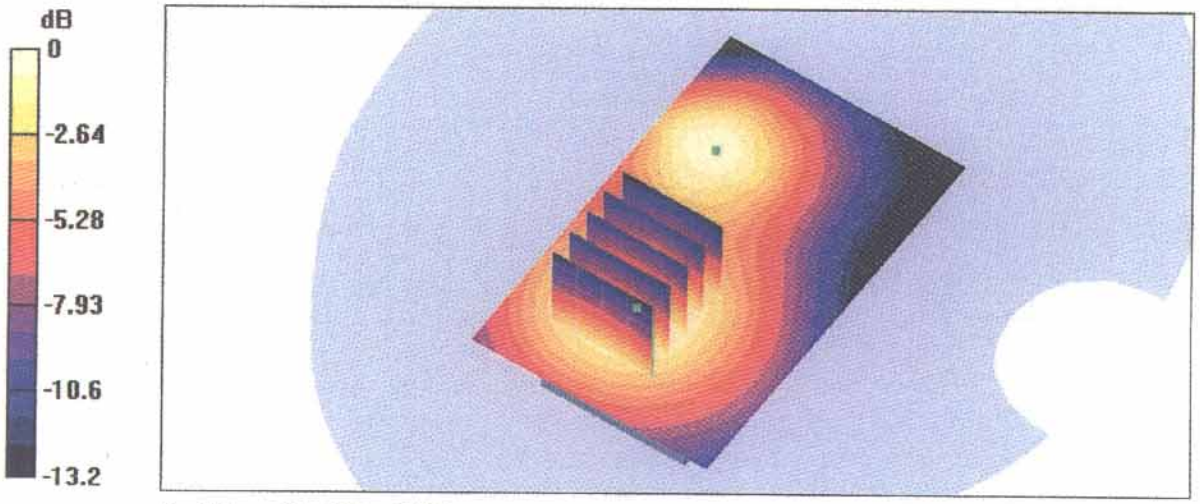
Communication System: Body 1900 ; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: 1900MHz(body) (σ = 1.56 mho/m, ε_r = 51.2144, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.8, 4.8, 4.8); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.1 Build 47;

Body, Ch. 512, Ant. fixed, Bat. Standard/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 9.58 V/m
Power Drift = -0.07 dB
Maximum value of SAR = 0.27 mW/g

Body, Ch. 512, Ant. fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.342 W/kg
SAR(1 g) = 0.244 mW/g
Reference Value = 9.58 V/m
Power Drift = -0.07 dB
Maximum value of SAR = 0.262 mW/g



0 dB = 0.262mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 1900MHz PCS GSM Body SAR

DUT: SGH-E316 (Body); Serial: FB-004-A

Program Name: SGH-E316 GSM1900 GPRS Mode Body (Job No.FB-004)
Procedure Name: Body, Ch. 512, Ant. fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-20.9; Test Date-28/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

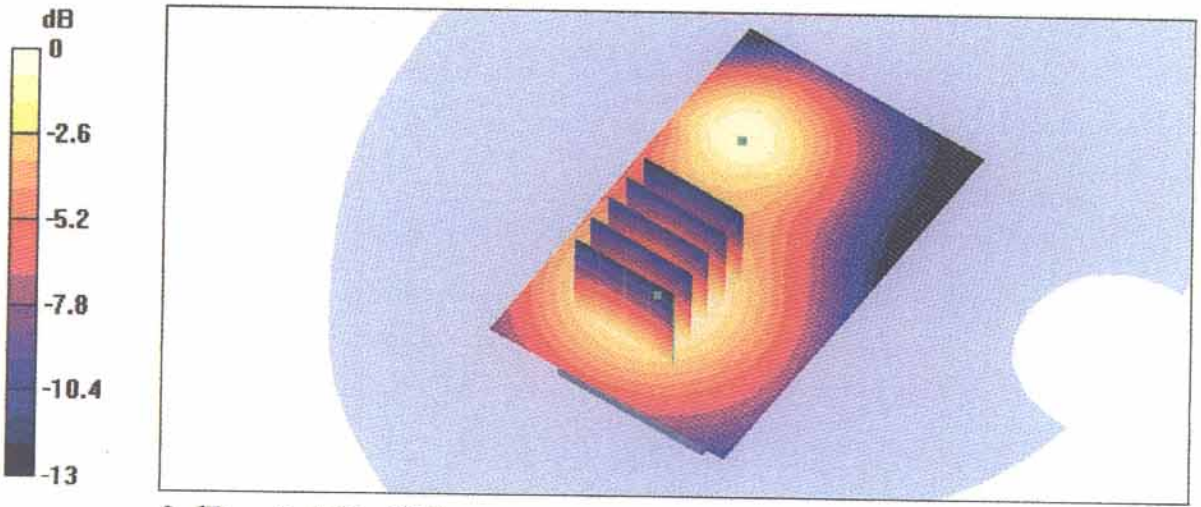
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium: 1900MHz(body) (σ = 1.56 mho/m, ε_r = 51.2144, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.8, 4.8, 4.8); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.1 Build 47;

Body, Ch. 512, Ant. fixed, Bat. Standard/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 14.3 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.501 mW/g

Body, Ch. 512, Ant. fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.618 W/kg
SAR(1 g) = 0.449 mW/g
Reference Value = 14.3 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.469 mW/g



0 dB = 0.469mW/g

Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 835MHz GSM 850 Head SAR

DUT: SGH-E316; Serial: FB-004-A
Program Name: SGH-E316 GSM850 Right (Job No.: FB-004)
Procedure Name: Cheek/Touch, Ch.251, Ant.Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.8;Test Date-27/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

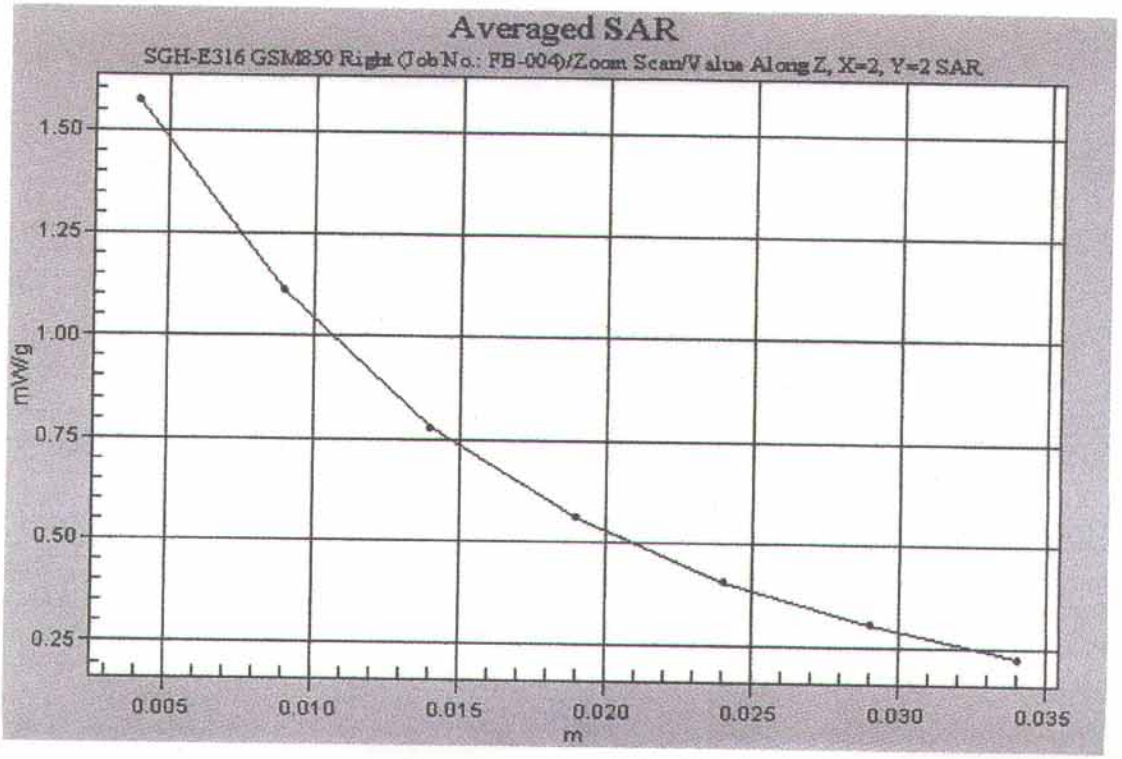
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Head 835 MHz (σ = 0.89 mho/m, ε_r = 41.5003, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.7, 6.7, 6.7); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.1 Build 47;

Cheek/Touch, Ch.251, Ant.Fixed, Bat. Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.5 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 1.55 mW/g

Cheek/Touch, Ch.251, Ant.Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 1.44 mW/g
Reference Value = 10.5 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 1.57 mW/g



Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E316; Serial: FB-004
Program Name: SGH-E316 GSM1900 Right (Job No.: FB-004)
Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-26/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

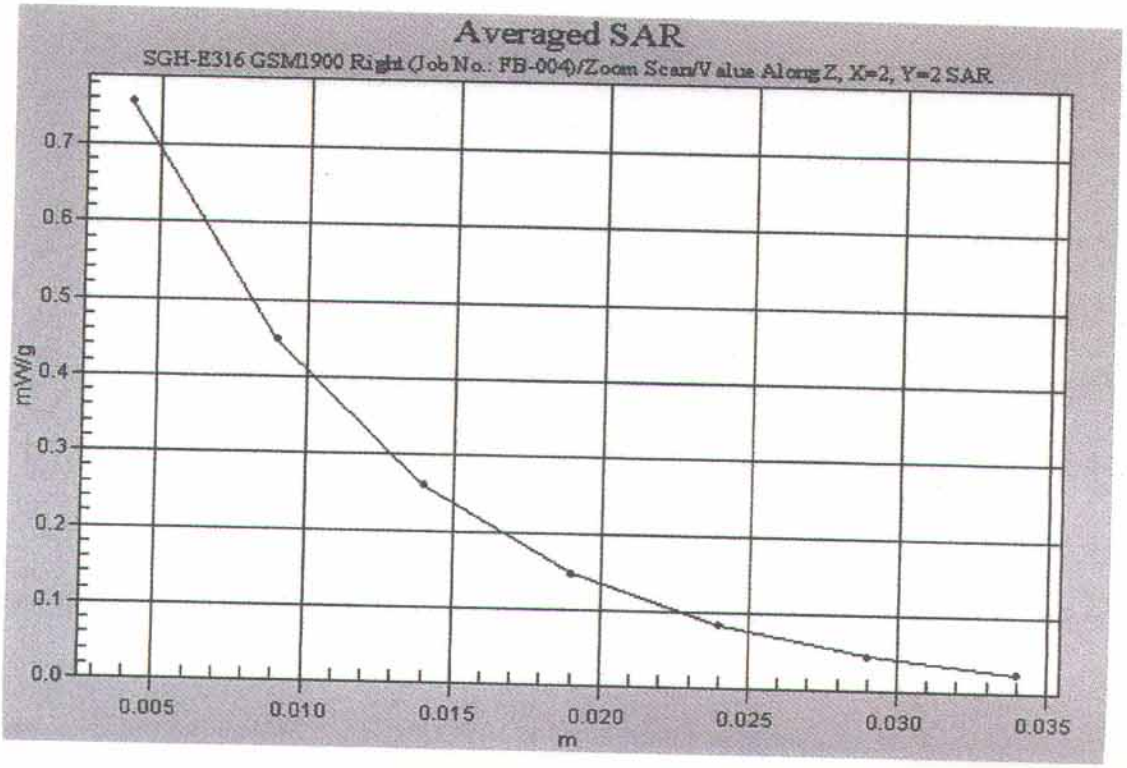
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Head 1900 MHz (σ = 1.42 mho/m, ε_r = 40.07, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5.4, 5.4, 5.4); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.1 Build 47;

Cheek/Touch, Ch.512, Ant.Fixed, Bat. Standard/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 5.46 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.725 mW/g

Cheek/Touch, Ch.512, Ant.Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.1 W/kg
SAR(1 g) = 0.663 mW/g
Reference Value = 5.46 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.755 mW/g



Test Laboratory: SAMSUNG Electronics

SAMSUNG FCC ID : A3LSGHE316 -- 835MHz GSM 850 Body SAR

DUT: SGH-E316 (Body); Serial: FB-004-A
Program Name: SGH-E316 GSM850 GPRS mode Body (Job No. : FB-004)
Procedure Name: Body, Ch.251, Ant. Fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-27/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

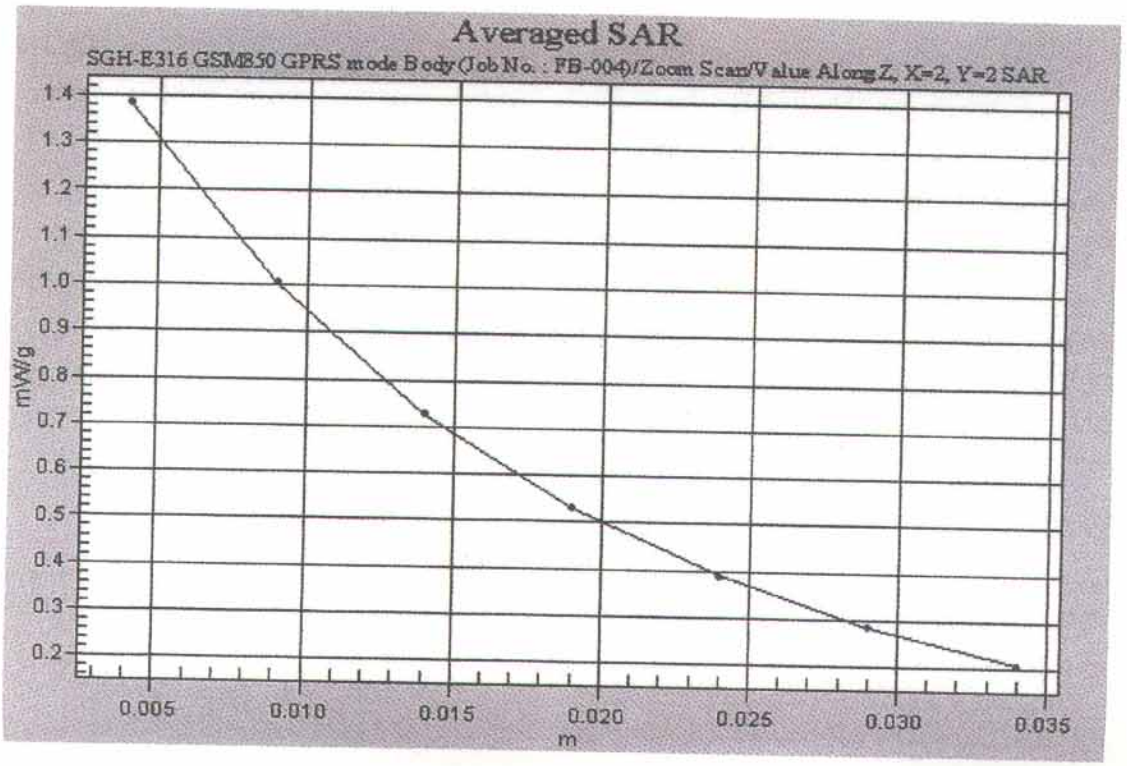
Communication System: GSM 850 (GPRS); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: Head 835 (Body)MHz (σ = 0.93 mho/m, ε_r = 52.9797, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.9, 6.9, 6.9); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.1 Build 47;

Body, Ch.251, Ant. Fixed, Bat. Standard/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 28.2 V/m
Power Drift = -0.05 dB
Maximum value of SAR = 1.42 mW/g

Body, Ch.251, Ant. Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 1.3 mW/g
Reference Value = 28.2 V/m
Power Drift = -0.05 dB
Maximum value of SAR = 1.38 mW/g



Test Laboratory: SAMSUNG Eletronics

SAMSUNG FCC ID : A3LSGHE316 -- 1900MHz PCS GSM Body SAR

DUT: SGH-E316 (Body); Serial: FB-004-A
Program Name: SGH-E316 GSM1900 GPRS Mode Body (Job No.FB-004)
Procedure Name: Body, Ch. 512, Ant. fixed, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-20.9; Test Date-28/Jan/2004[OET Bulletin 65-Supplement C, July 2001]

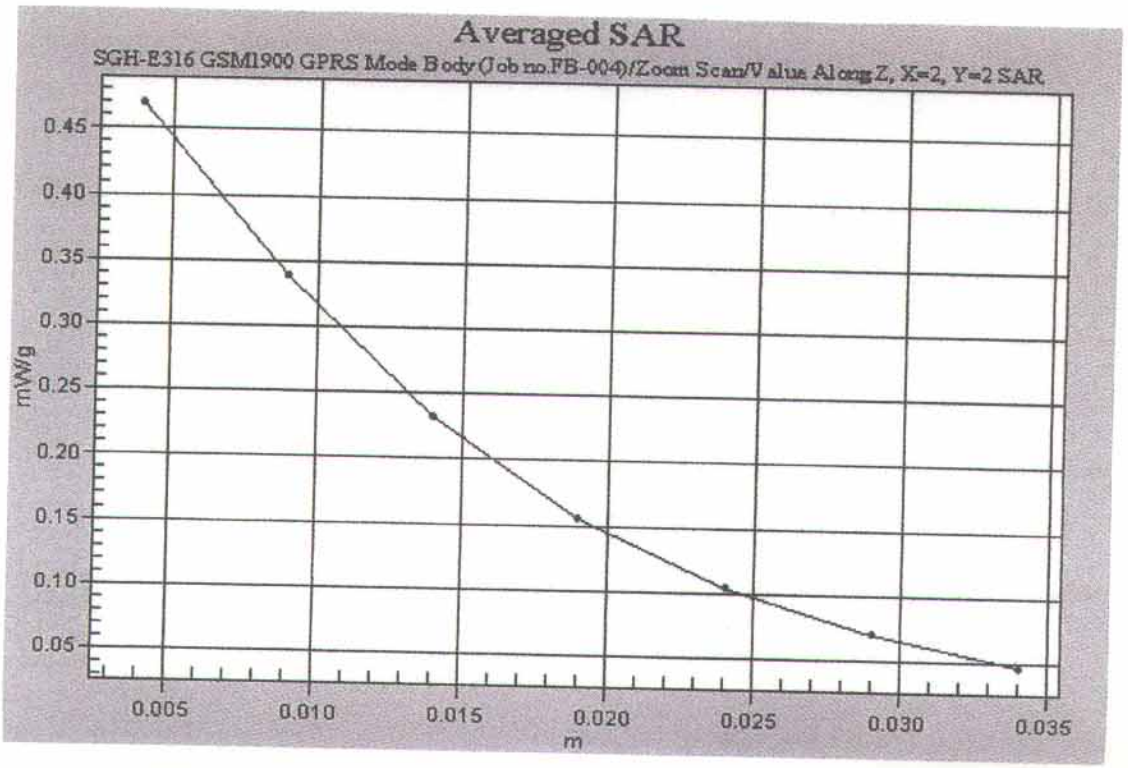
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium: 1900MHz(body) (σ = 1.56 mho/m, ε_r = 51.2144, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.8, 4.8, 4.8); Calibrated: 2003-08-28;
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.1 Build 47;

Body, Ch. 512, Ant. fixed, Bat. Standard/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 14.3 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.501 mW/g

Body, Ch. 512, Ant. fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.618 W/kg
SAR(1 g) = 0.449 mW/g
Reference Value = 14.3 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.469 mW/g



Test Laboratory: SAMSUNG Electronics