SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Head SAR

DUT: SGH-ZV10; Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Right (Job No. : FC-097)
Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0; Test Date-13/Jul/2005 [OET Bulletin 65-Supplement C, July 2001]

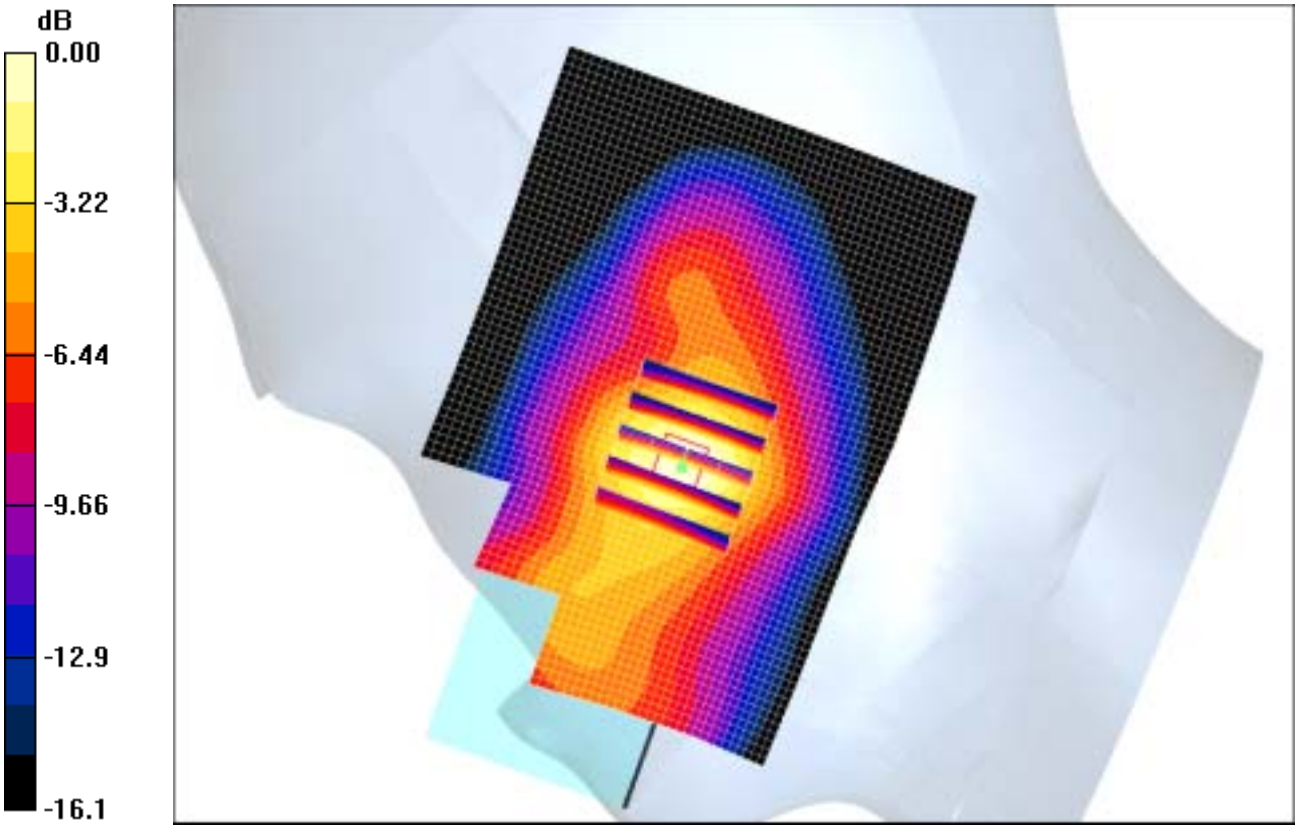
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.42 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.536 mW/g

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.18 V/m; Power Drift = -0.126 dB
Peak SAR (extrapolated) = 0.782 W/kg
SAR(1 g) = 0.507 mW/g
Maximum value of SAR (measured) = 0.565 mW/g



0 dB = 0.565mW/g

SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Head SAR

DUT: SGH-ZV10; Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Right (Job No. : FC-097)
Procedure Name: Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0; Test Date-13/Jul/2005 [OET Bulletin 65-Supplement C, July 2001]

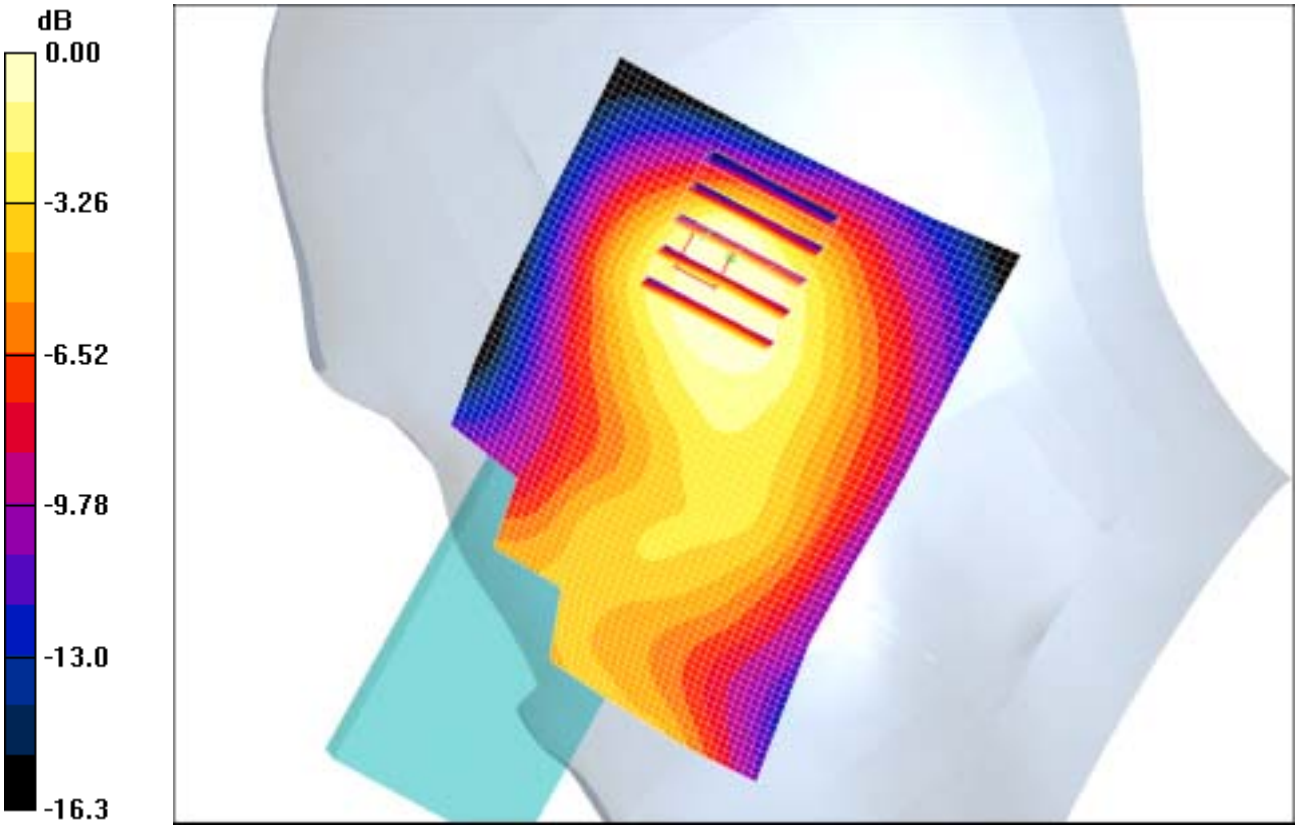
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.42 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.096 mW/g

Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.50 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.113 W/kg
SAR(1 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.081 mW/g



0 dB = 0.081mW/g

SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Head SAR

DUT: SGH-ZV10; Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Left (Job No. : FC-097)
Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0; Test Date-13/Jul/2005 [OET Bulletin 65-Supplement C, July 2001]

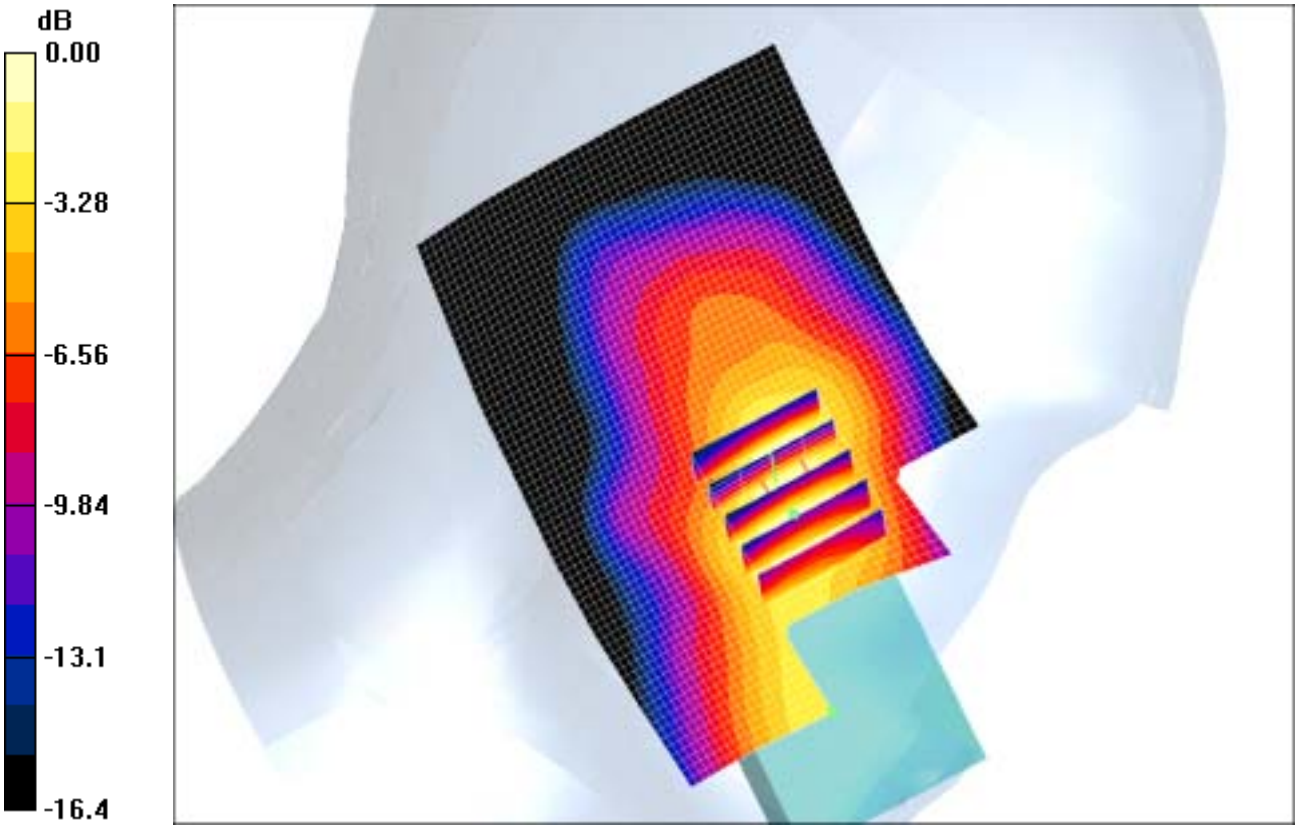
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.42 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.388 mW/g

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.67 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 0.681 W/kg
SAR(1 g) = 0.455 mW/g
Maximum value of SAR (measured) = 0.486 mW/g



0 dB = 0.486mW/g

SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Head SAR

DUT: SGH-ZV10; Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Left (Job No. : FC-097)
Procedure Name: Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0; Test Date-13/Jul/2005 [OET Bulletin 65-Supplement C, July 2001]

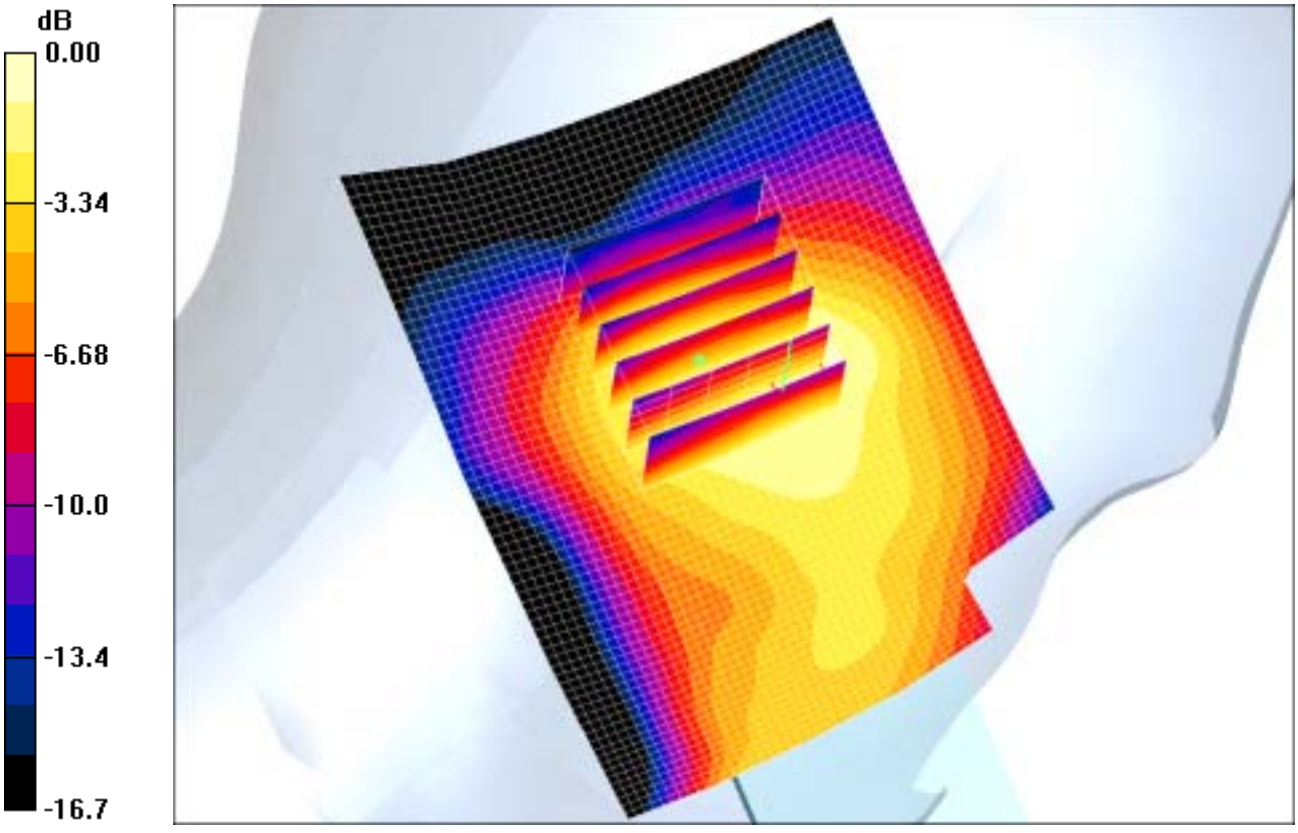
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.079 mW/g

Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.50 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 0.109 W/kg
SAR(1 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.080 mW/g



0 dB = 0.080mW/g

SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GPRS1900 Body SAR

DUT: SGH-ZV10 (Body); Serial: VC-020-A
Program Name: SGH-ZV10 GSM1900 Body (Job No. : FC-097)
Procedure Name: Body, Ch.512, Ant.Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.9;Test Date-13/Jul/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.54 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

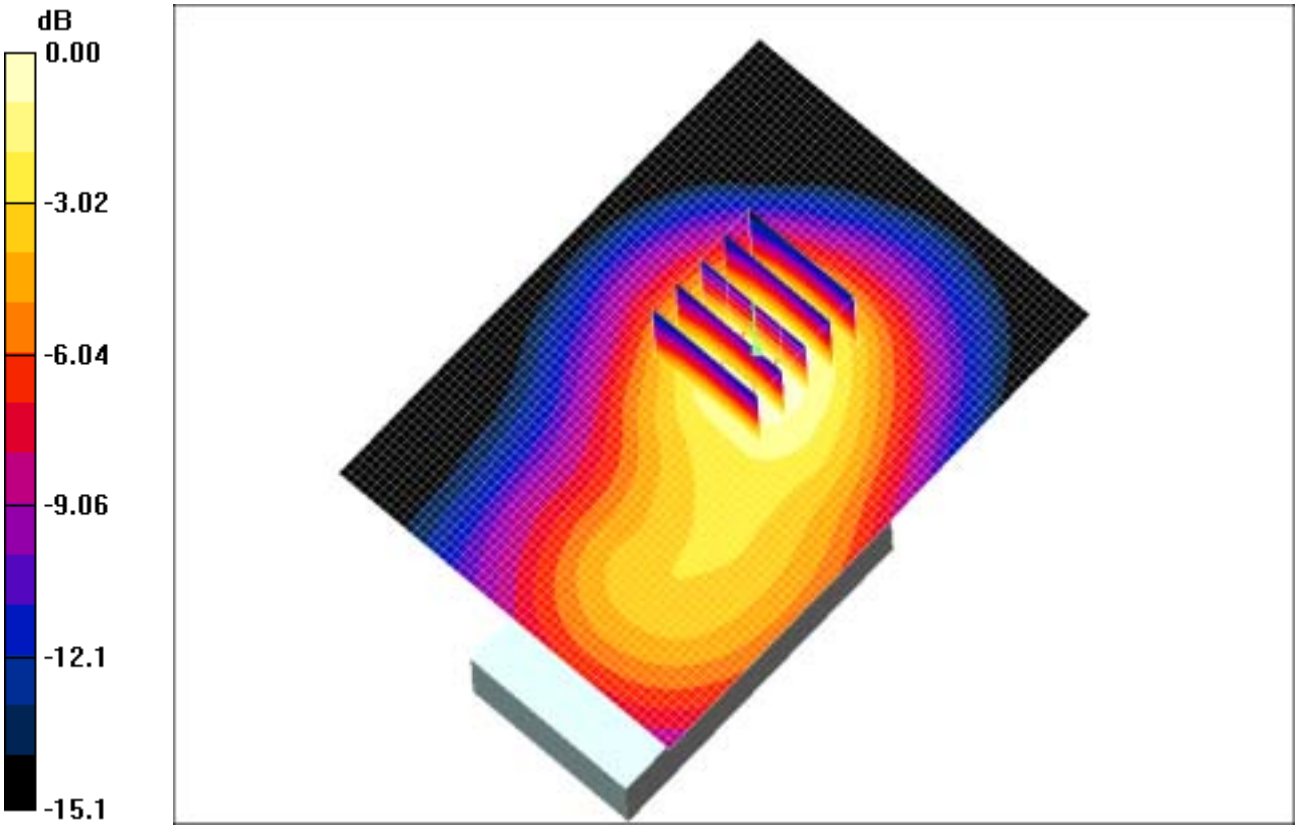
- Probe: ES3DV2 - SN3017; ConvF(4.46, 4.46, 4.46); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.455 mW/g

Body, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.609 W/kg
SAR(1 g) = 0.405 mW/g
Maximum value of SAR (measured) = 0.437 mW/g



0 dB = 0.437mW/g

SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Head SAR

DUT: SGH-ZV10; Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Right (Job No. : FC-097)
Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard With BT on
Procedure Notes: Meas.Tissue Temp(celsius)-22.0; Test Date-13/Jul/2005 [OET Bulletin 65-Supplement C, July 2001]

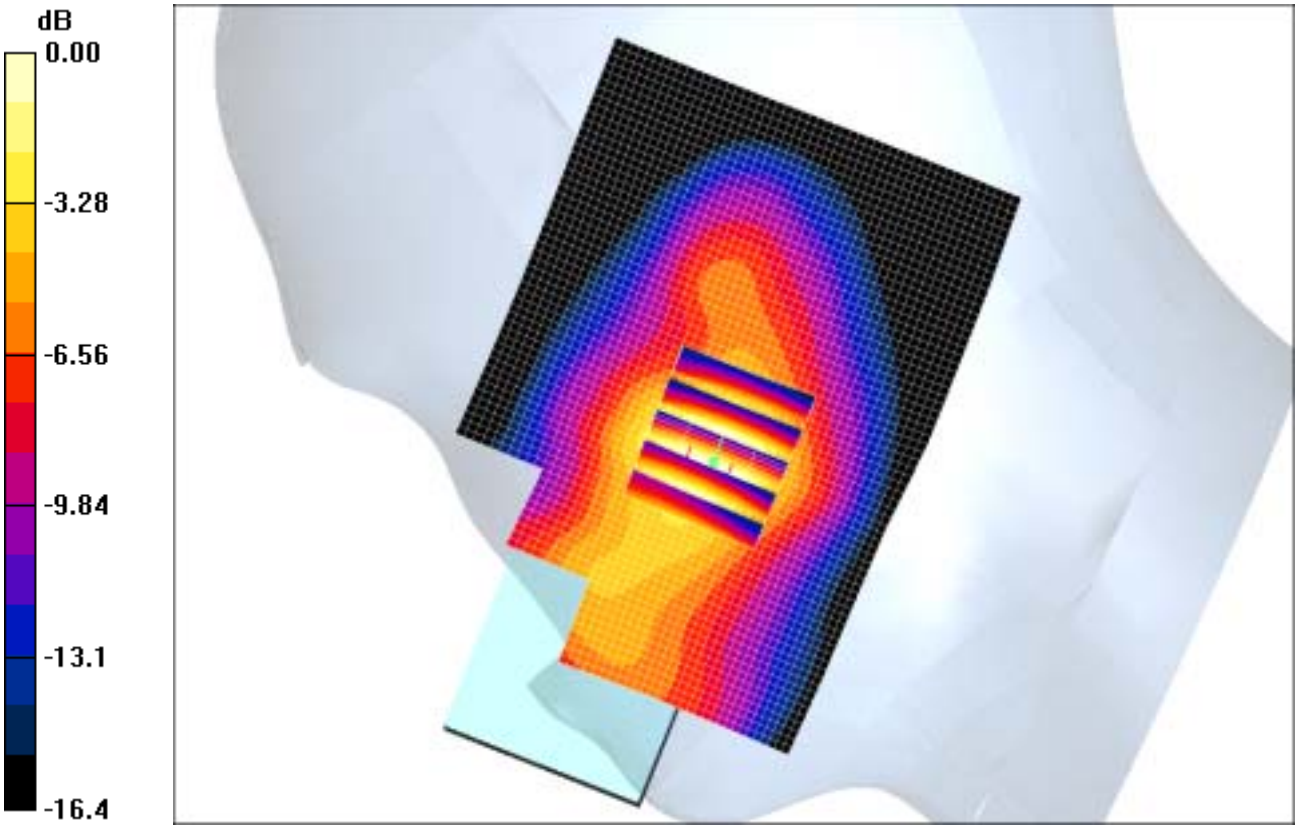
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.42 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard With BT on/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.541 mW/g

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard With BT on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.91 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 0.771 W/kg
SAR(1 g) = 0.511 mW/g
Maximum value of SAR (measured) = 0.561 mW/g



0 dB = 0.561mW/g

SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GPRS1900 Body SAR

DUT: SGH-ZV10 (Body); Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Body (Job No. : FC-097)
Procedure Name: Body, Ch.512, Ant.Fixed, Bat.Standard With BT ON
Procedure Notes: Meas.Tissue Temp(celsius)-21.9;Test Date-13/Jul/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.54 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

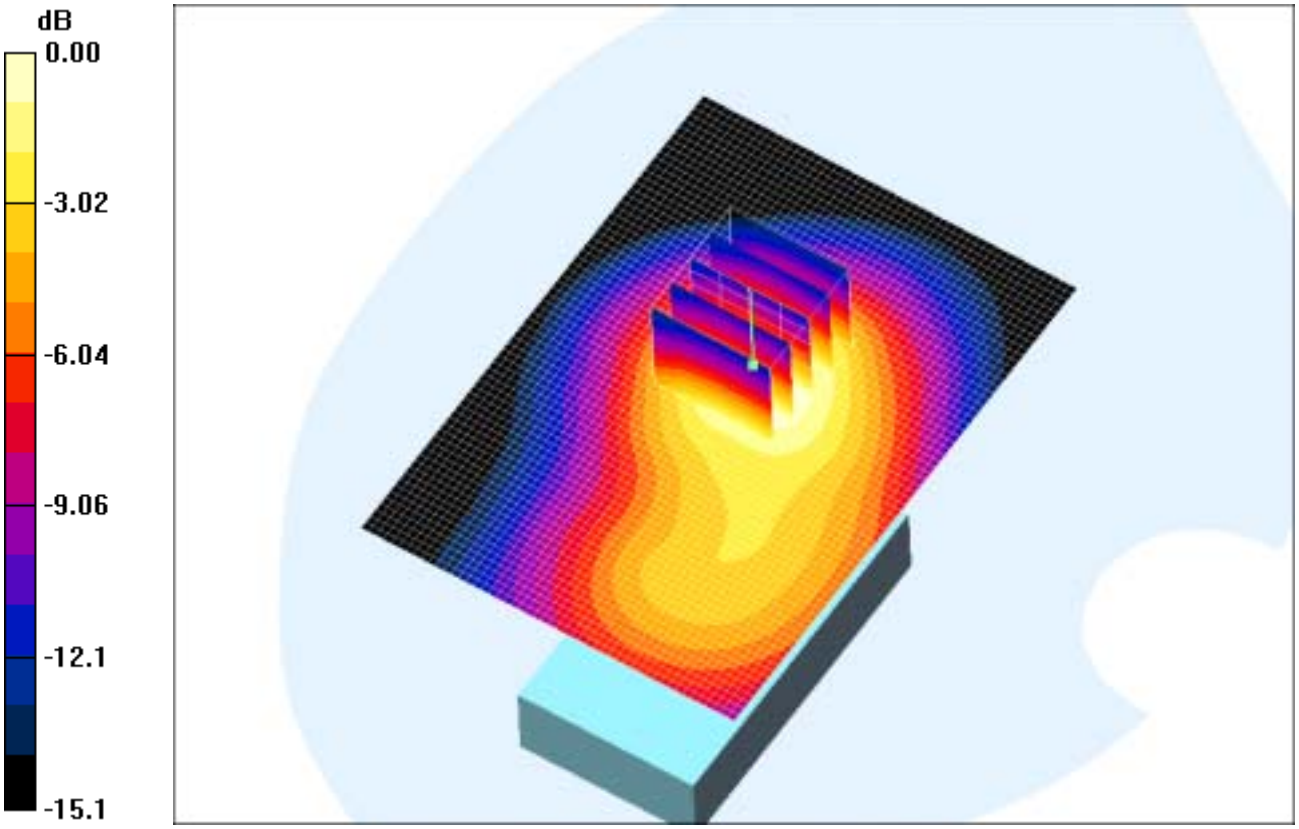
- Probe: ES3DV2 - SN3017; ConvF(4.46, 4.46, 4.46); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.512, Ant.Fixed, Bat.Standard With BT ON/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.462 mW/g

Body, Ch.512, Ant.Fixed, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.3 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 0.598 W/kg
SAR(1 g) = 0.404 mW/g
Maximum value of SAR (measured) = 0.436 mW/g



0 dB = 0.436mW/g

SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Head SAR

DUT: SGH-ZV10; Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Right (Job No. : FC-097)
Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0; Test Date-13/Jul/2005 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.42 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

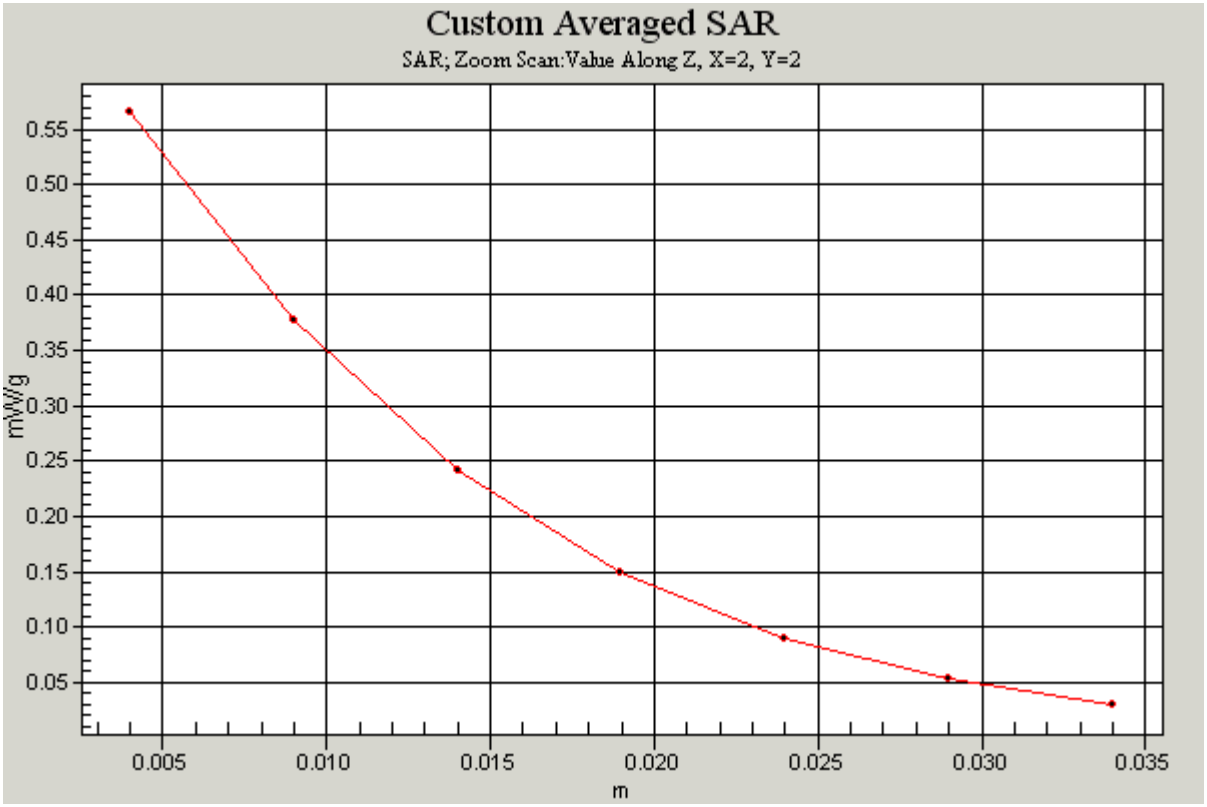
- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.536 mW/g

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.18 V/m; Power Drift = -0.126 dB
Peak SAR (extrapolated) = 0.782 W/kg
SAR(1 g) = 0.507 mW/g
Maximum value of SAR (measured) = 0.565 mW/g



SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Body SAR

DUT: SGH-ZV10 (Body); Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Body (Job No. : FC-097)
Procedure Name: Body, Ch.512, Ant.Fixed, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.9;Test Date-13/Jul/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.54 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

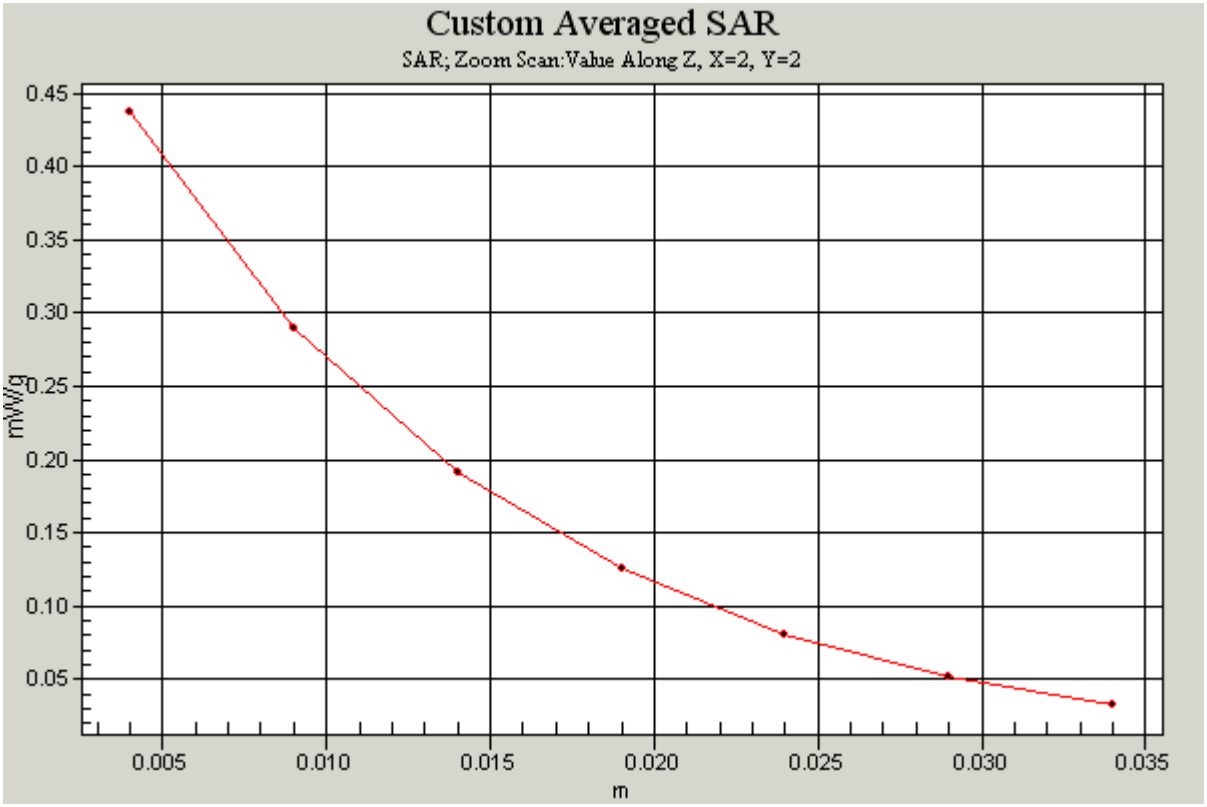
- Probe: ES3DV2 - SN3017; ConvF(4.46, 4.46, 4.46); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.455 mW/g

Body, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.609 W/kg
SAR(1 g) = 0.405 mW/g
Maximum value of SAR (measured) = 0.437 mW/g



SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Head SAR

DUT: SGH-ZV10; Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Right (Job No. : FC-097)
Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard With BT on
Procedure Notes: Meas.Tissue Temp(celsius)-22.0; Test Date-13/Jul/2005 [OET Bulletin 65-Supplement C, July 2001]

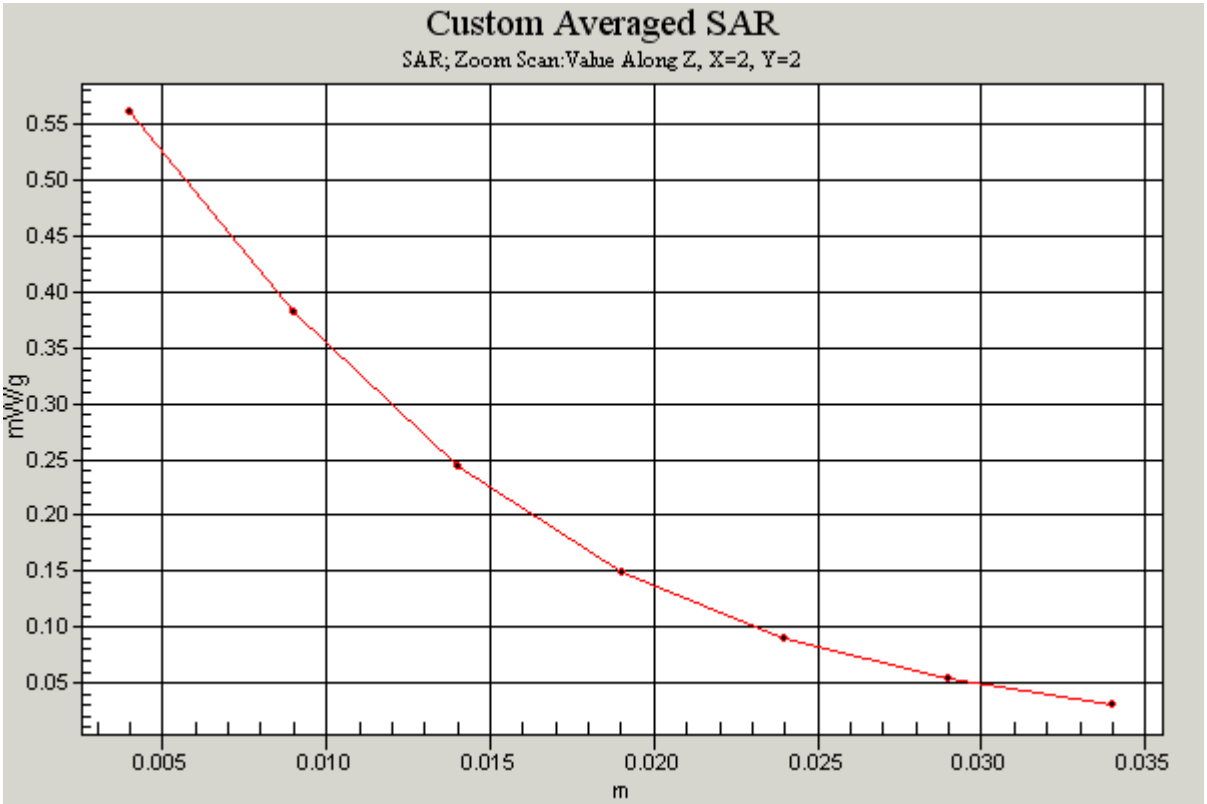
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.42 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard With BT on/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.541 mW/g

Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard With BT on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.91 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 0.771 W/kg
SAR(1 g) = 0.511 mW/g
Maximum value of SAR (measured) = 0.561 mW/g



SAMSUNG FCC ID : A3LSGHZV10 -- 1900MHz GSM1900 Body SAR

DUT: SGH-ZV10 (Body); Serial: FC-097-F
Program Name: SGH-ZV10 GSM1900 Body (Job No. : FC-097)
Procedure Name: Body, Ch.512, Ant.Fixed, Bat.Standard With BT ON
Procedure Notes: Meas.Tissue Temp(celsius)-21.9;Test Date-13/Jul/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.54 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.46, 4.46, 4.46); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.512, Ant.Fixed, Bat.Standard With BT ON/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.462 mW/g

Body, Ch.512, Ant.Fixed, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 0.598 W/kg
SAR(1 g) = 0.404 mW/g
Maximum value of SAR (measured) = 0.436 mW/g