

SAMSUNG FCC ID : A3LSPHA840 835MHz AMPS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 AMPS Right (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.0991, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 824.04 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 824.04$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0991, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.965 mW/g

Cheek/Touch, Ch.0991, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

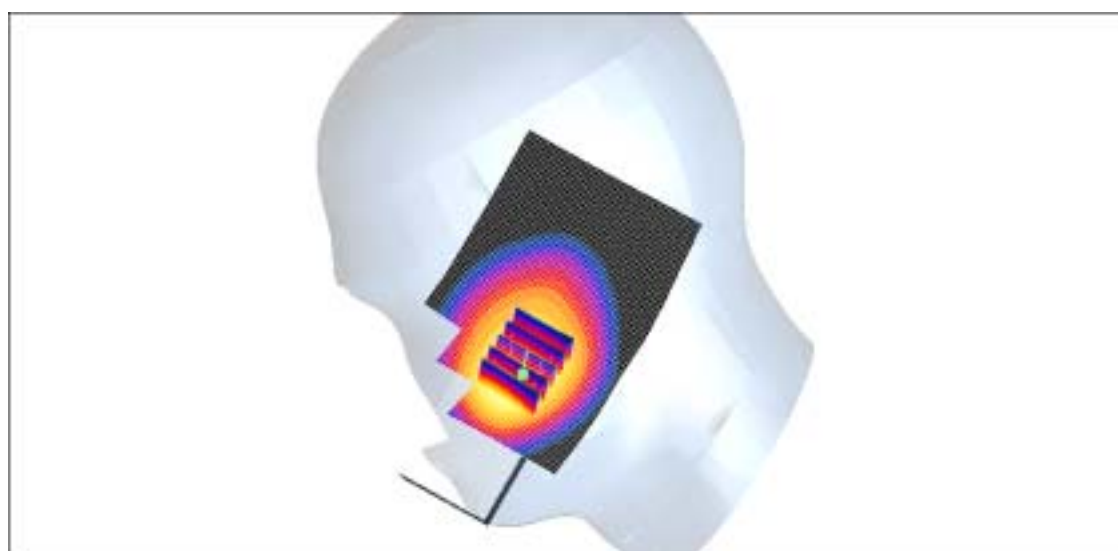
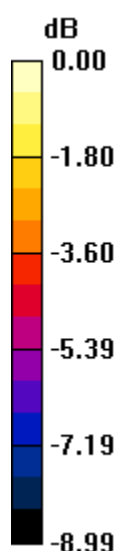
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.896 mW/g

Maximum value of SAR (measured) = 0.961 mW/g



0 dB = 0.961mW/g

SAMSUNG FCC ID : A3LSPHA840 835MHz AMPS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 AMPS Right (Job No. : FC-042)

Procedure Name: Ear/Tilt, Ch.0383, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ear/Tilt, Ch.0383, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.223 mW/g

Ear/Tilt, Ch.0383, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0: Measurement

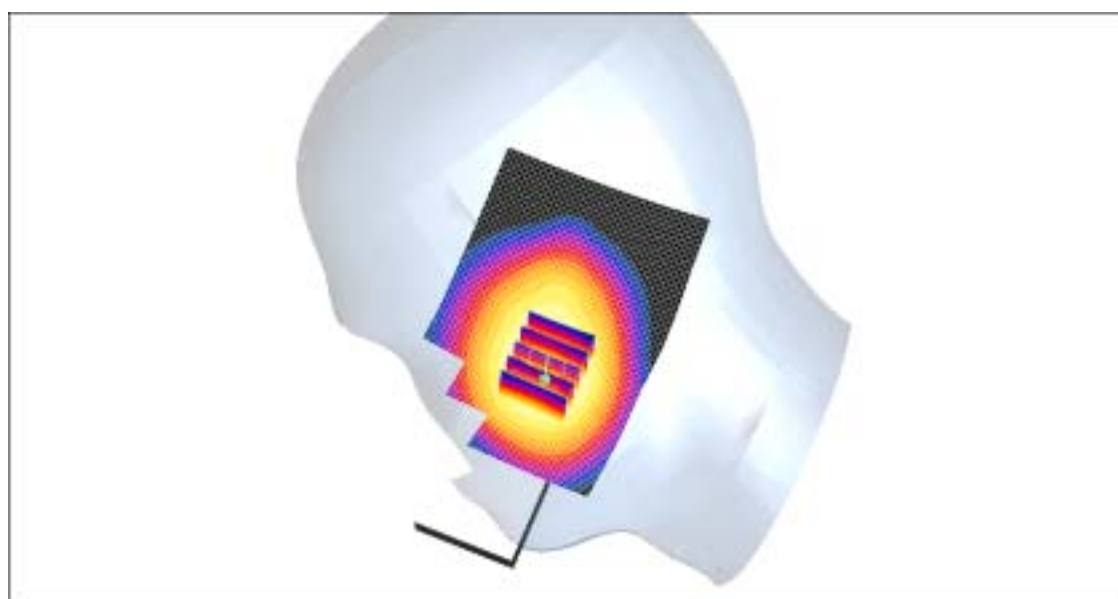
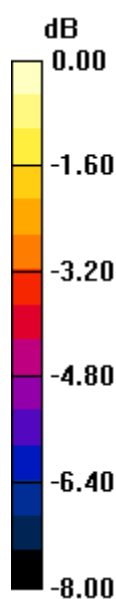
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.41 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.214 mW/g

Maximum value of SAR (measured) = 0.223 mW/g



0 dB = 0.223mW/g

SAMSUNG FCC ID : A3LSPHA840 835MHz AMPS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 AMPS Left (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.0991, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 824.04 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 824.04$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0991, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 10.7 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.15 W/kg

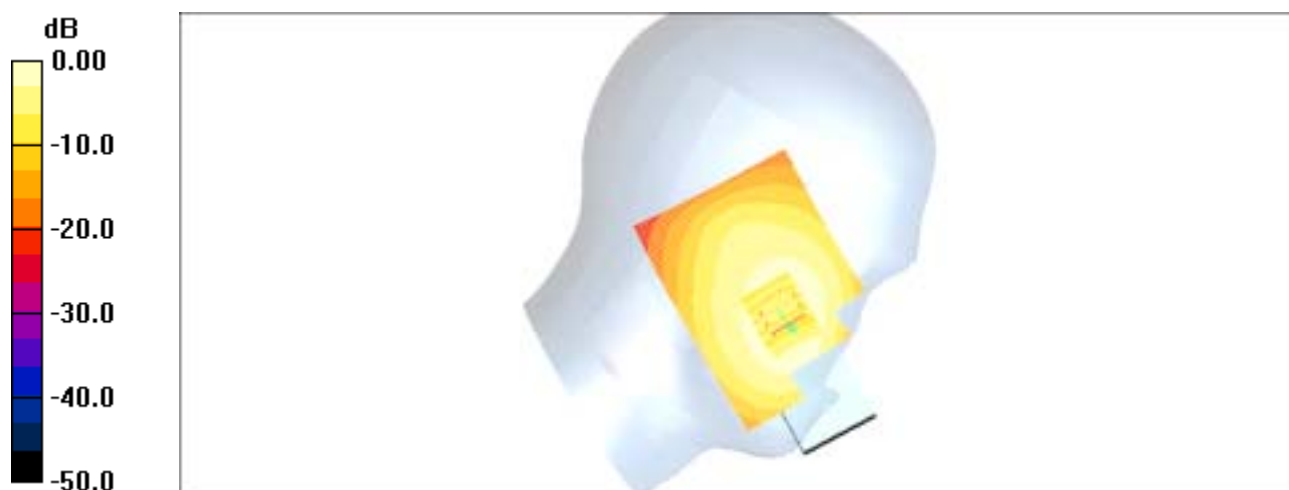
SAR(1 g) = 0.875 mW/g

Maximum value of SAR (measured) = 0.899 mW/g

Cheek/Touch, Ch.0991, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.967 mW/g



0 dB = 0.967mW/g

SAMSUNG FCC ID : A3LSPHA840 835MHz AMPS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 AMPS Left (Job No. : FC-042)

Procedure Name: Ear/Tilt, Ch.0383, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ear/Tilt, Ch.0383, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.206 mW/g

Ear/Tilt, Ch.0383, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0: Measurement

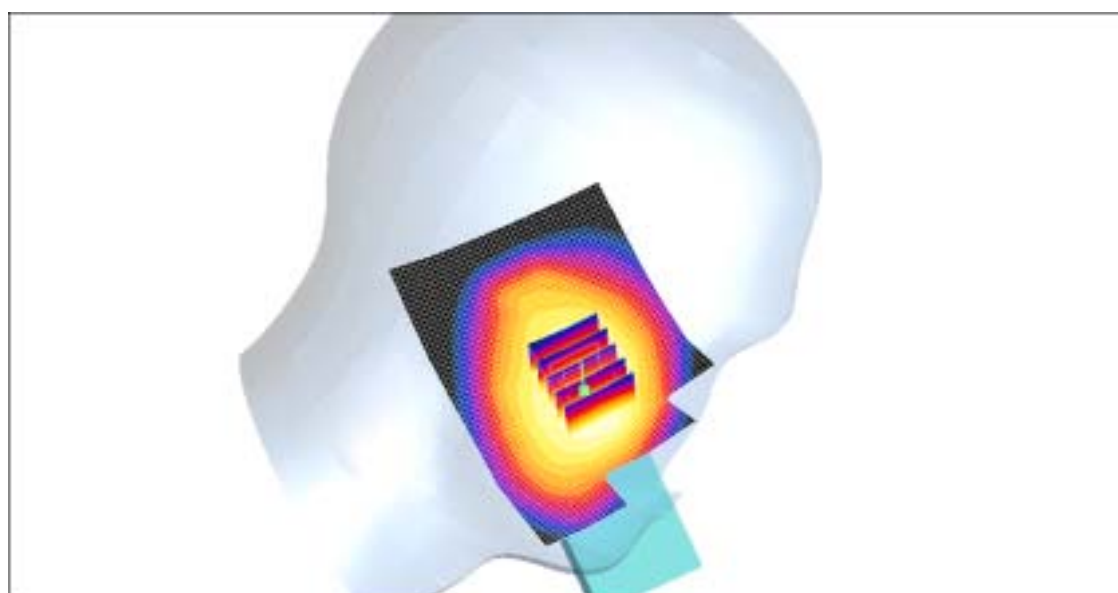
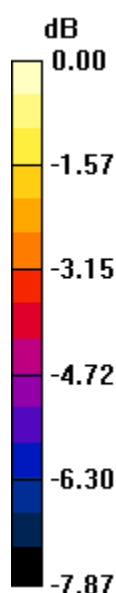
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.75 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.192 mW/g

Maximum value of SAR (measured) = 0.197 mW/g



0 dB = 0.197mW/g

SAMSUNG FCC ID : A3LSPHA840 835MHz CDMA Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 CDMA Right (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.1013, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 824.7$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.1013, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.736 mW/g

Cheek/Touch, Ch.1013, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

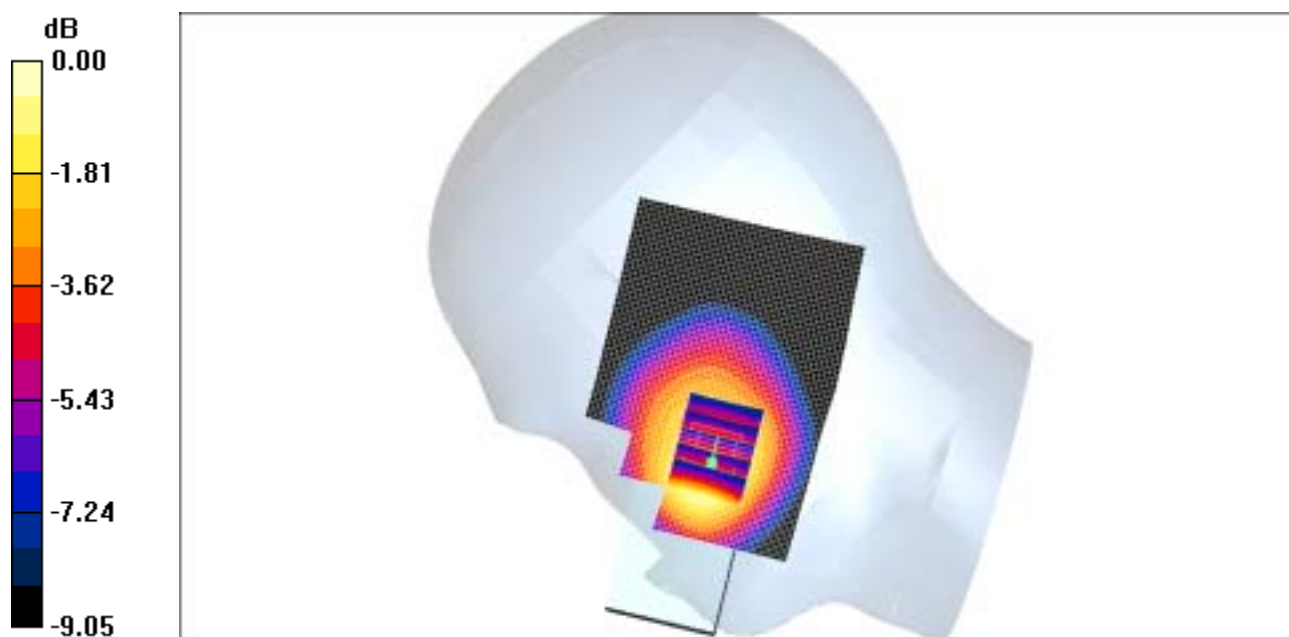
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.61 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.971 W/kg

SAR(1 g) = 0.694 mW/g

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



0 dB = 0.739mW/g

SAMSUNG FCC ID : A3LSPHA840 835MHz CDMA Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 CDMA Right (Job No. : FC-042)

Procedure Name: Ear/Tilt, Ch.0363, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ear/Tilt, Ch.0363, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.183 mW/g

Ear/Tilt, Ch.0363, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0: Measurement

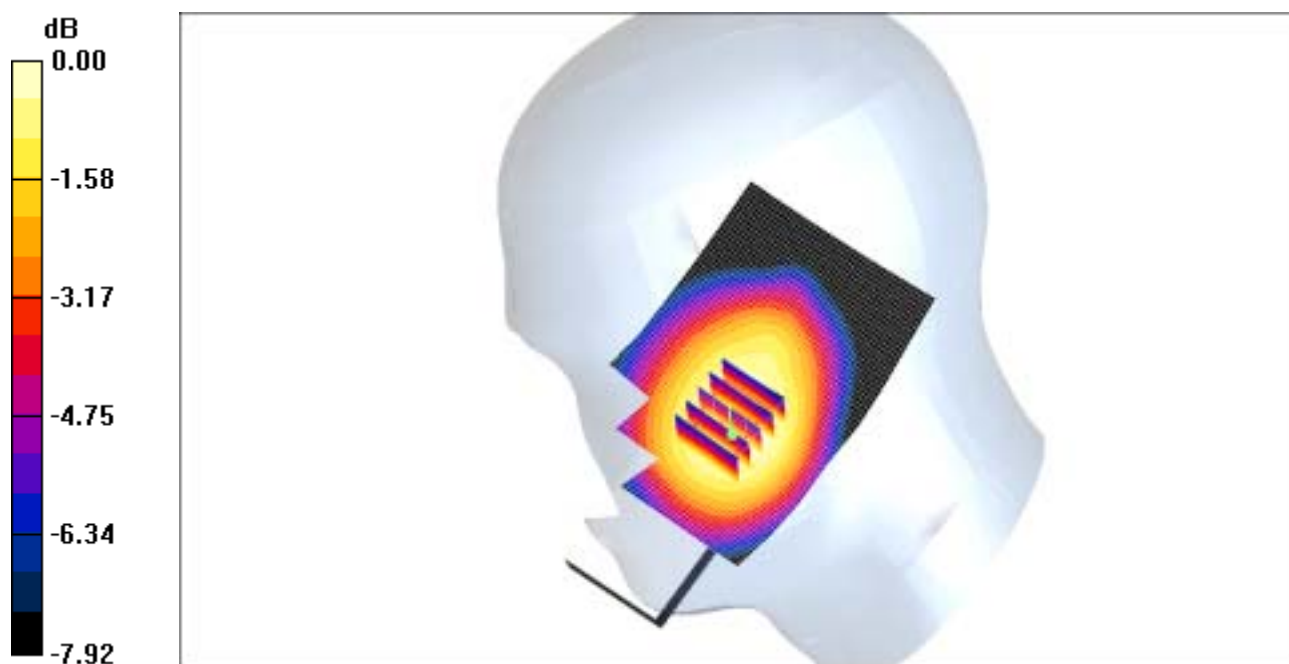
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.76 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.174 mW/g

Maximum value of SAR (measured) = 0.182 mW/g



0 dB = 0.182mW/g

SAMSUNG FCC ID : A3LSPHA840 835MHz CDMA Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 CDMA Left (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.1013, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 824.7$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.1013, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.720 mW/g

Cheek/Touch, Ch.1013, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

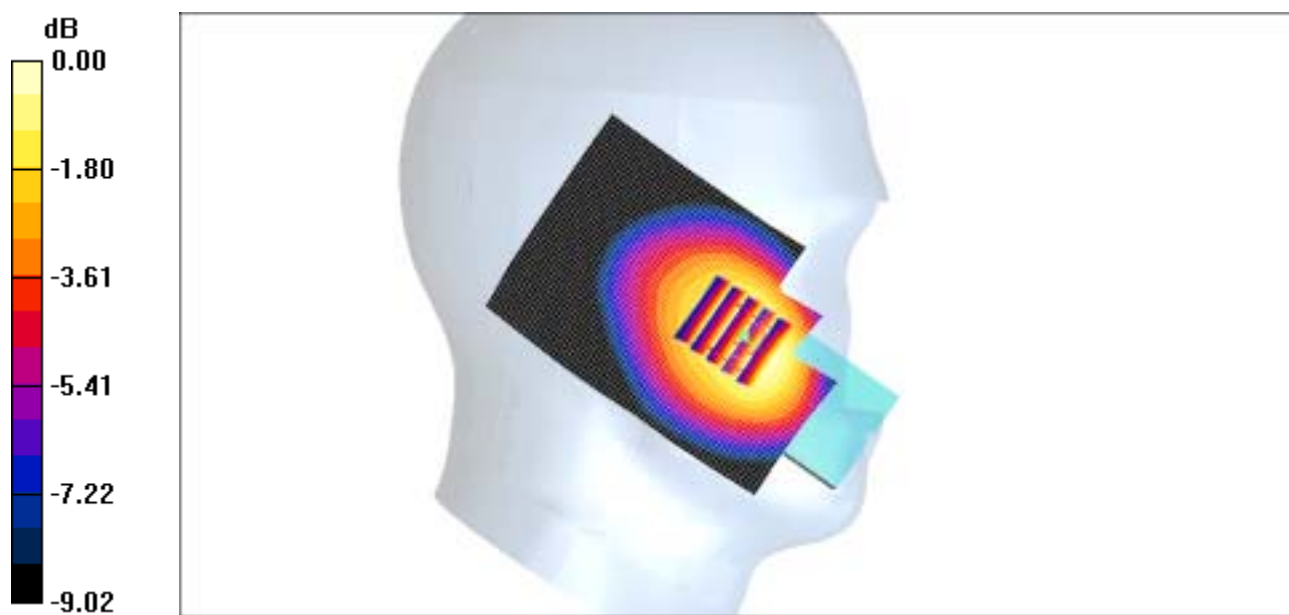
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.16 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.889 W/kg

SAR(1 g) = 0.669 mW/g

Maximum value of SAR (measured) = 0.700 mW/g



0 dB = 0.700mW/g

SAMSUNG FCC ID : A3LSPHA840 835MHz CDMA Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 CDMA Left (Job No. : FC-042)

Procedure Name: Ear/Tilt, Ch.0363, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89 \text{ MHz}$; $\sigma = 0.91 \text{ mho/m}$; $\epsilon_r = 40.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ear/Tilt, Ch.0363, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.168 mW/g

Ear/Tilt, Ch.0363, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0: Measurement

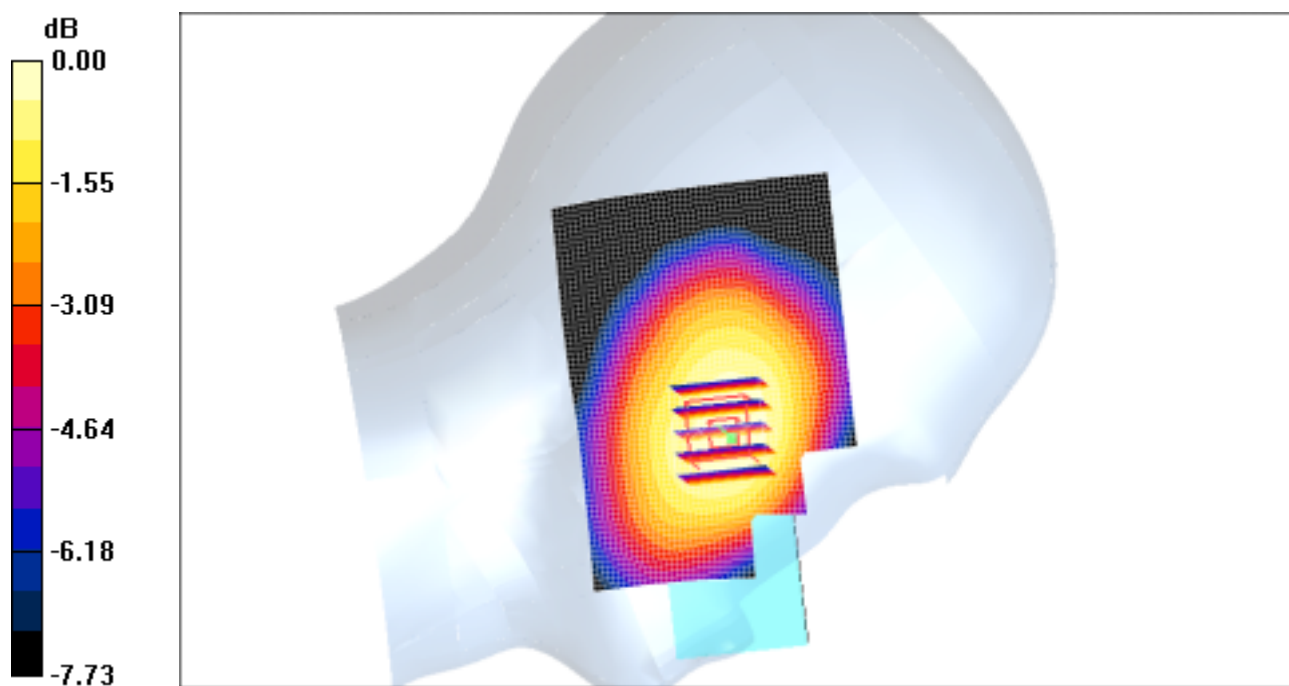
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.94 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.165 mW/g



0 dB = 0.165mW/g

SAMSUNG FCC ID : A3LSPHA840 1900MHz PCS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 PCS Right (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-18/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0025, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.12 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

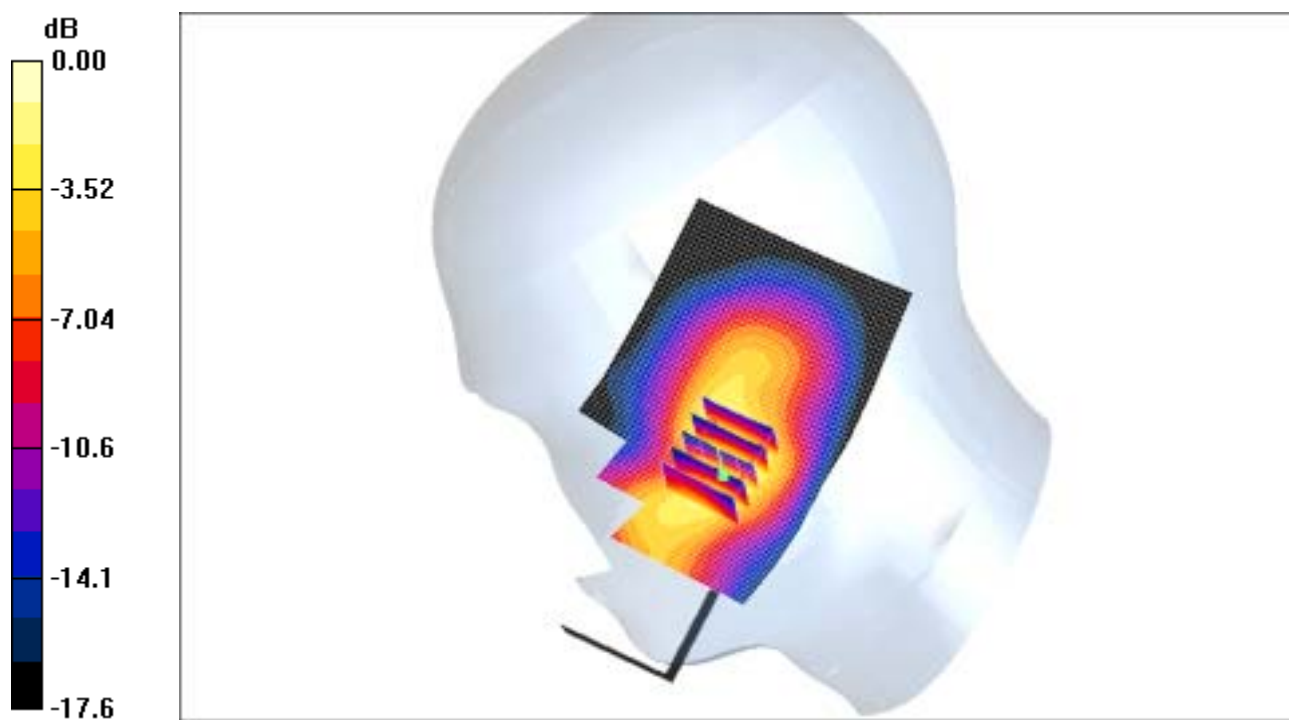
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.04 mW/g

Maximum value of SAR (measured) = 1.15 mW/g



0 dB = 1.15mW/g

SAMSUNG FCC ID : A3LSPHA840 1900MHz PCS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 PCS Right (Job No. : FC-042)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-18/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.216 mW/g

Ear/Tilt, Ch.0600, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0: Measurement

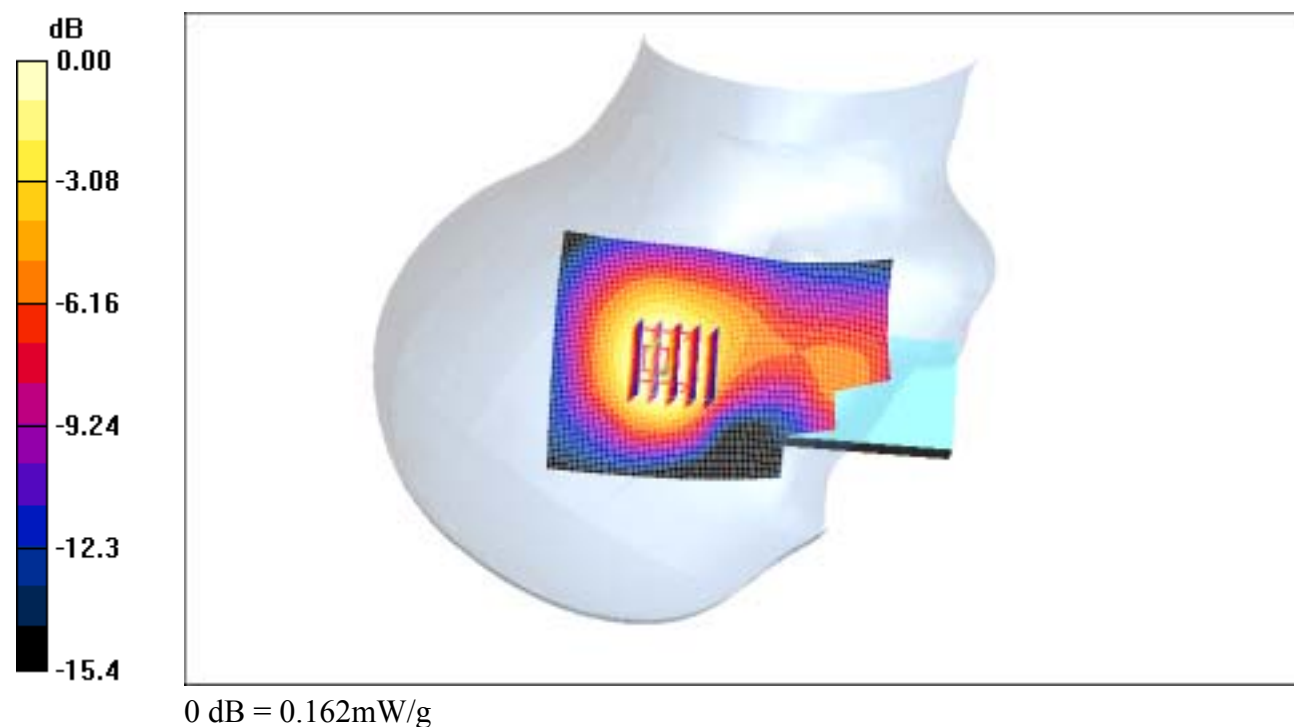
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.48 V/m; Power Drift = 0.180 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.155 mW/g

Maximum value of SAR (measured) = 0.162 mW/g



SAMSUNG FCC ID : A3LSPHA840 1900MHz PCS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 PCS Left (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-18/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0025, Intenna, Bat. Extended/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

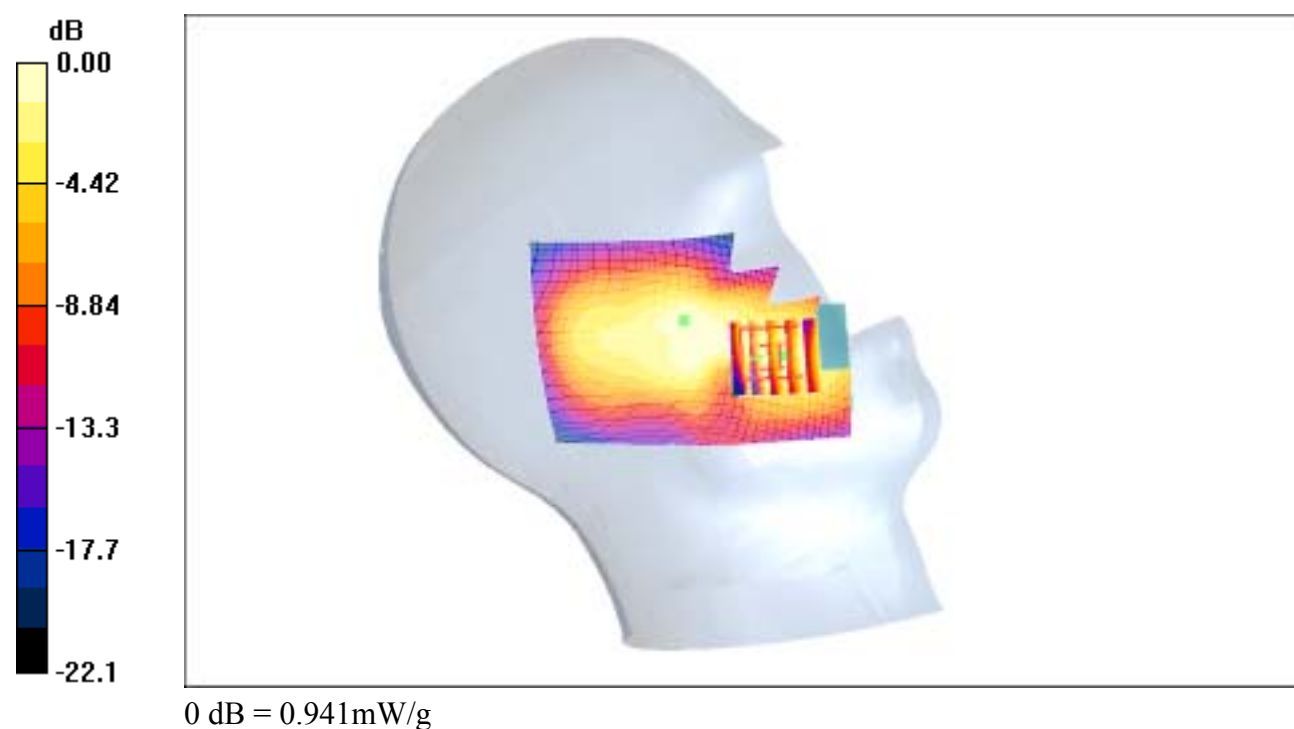
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.894 mW/g

Maximum value of SAR (measured) = 0.941 mW/g



SAMSUNG FCC ID : A3LSPHA840 1900MHz PCS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 PCS Left (Job No. : FC-042)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-18/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Maximum value of SAR (interpolated) = 0.286 mW/g

Ear/Tilt, Ch.0600, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0: Measurement

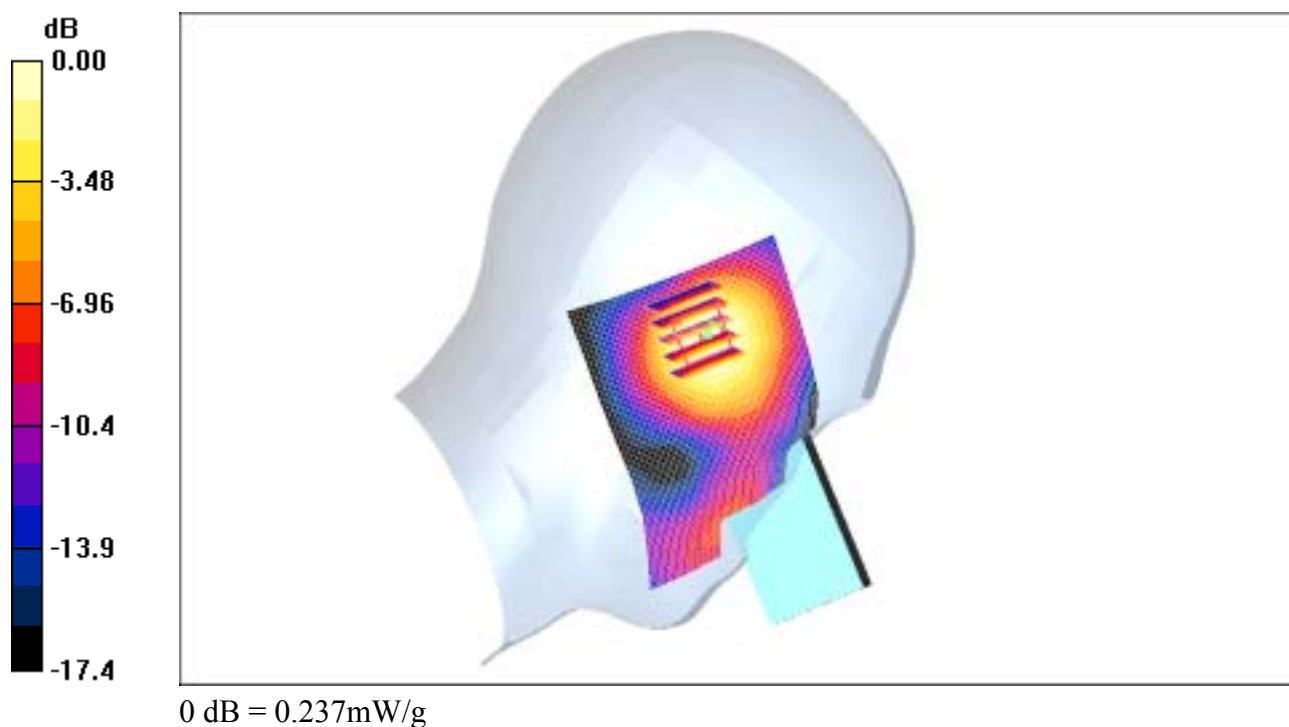
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.03 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.348 W/kg

SAR(1 g) = 0.226 mW/g

Maximum value of SAR (measured) = 0.237 mW/g



SAMSUNG FCC ID : A3LSPHA840 835MHz AMPS Body SAR

DUT: SPH-A840(Body); Serial: FC-042-G

Program Name: SPH-A840 AMPS Body (Job No. : FC-042)

Procedure Name: Body, Ch. 0383, Ant. Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.83, 9.83, 9.83); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 0383, Ant. Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 24.8 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.14 W/kg

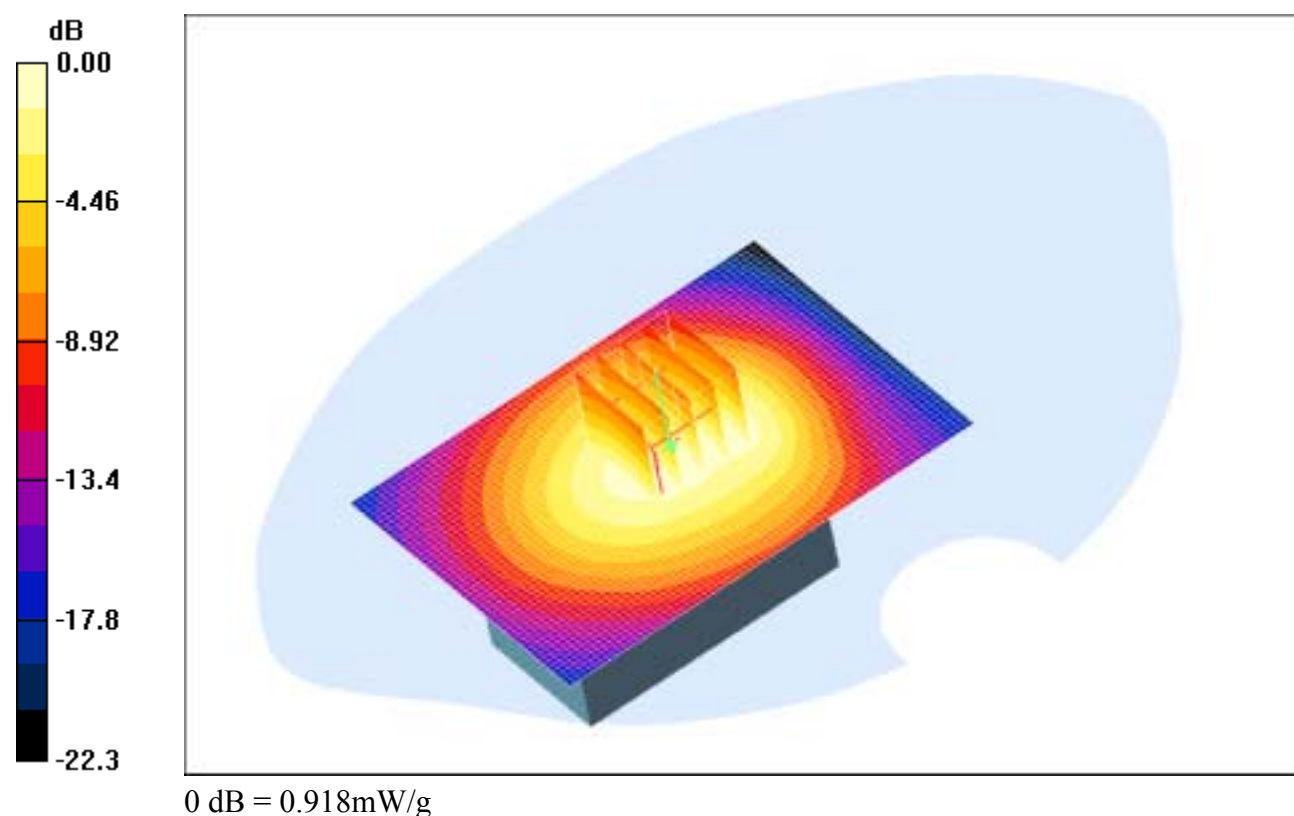
SAR(1 g) = 0.815 mW/g

Maximum value of SAR (measured) = 0.865 mW/g

Body, Ch. 0383, Ant. Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.918 mW/g



SAMSUNG FCC ID : A3LSPHA840 835MHz CDMA Body SAR

DUT: SPH-A840(Body); Serial: FC-042-G

Program Name: SPH-A840 CDMA Body (Job No. : FC-042)

Procedure Name: Body, Ch. 0363, Ant. Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.83, 9.83, 9.83); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 0363, Ant. Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 19.9 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.931 W/kg

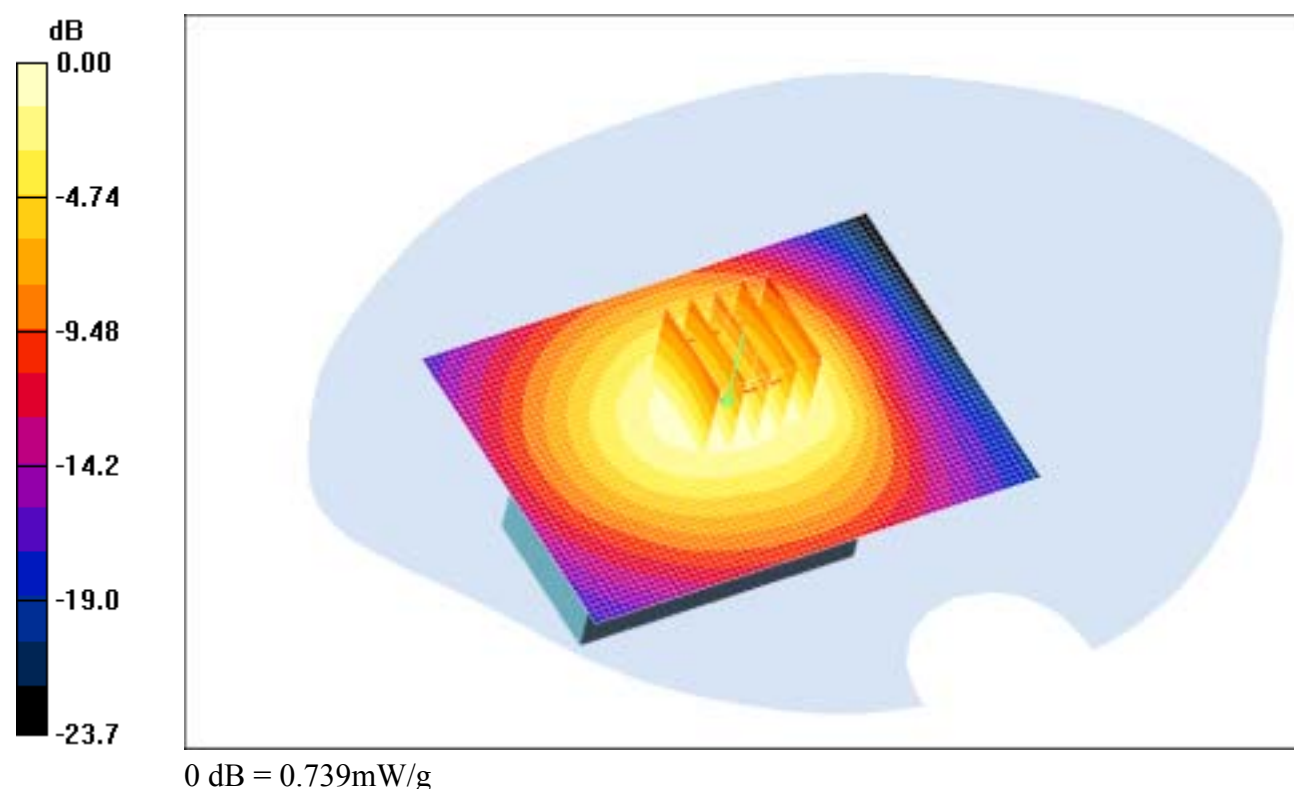
SAR(1 g) = 0.664 mW/g

Maximum value of SAR (measured) = 0.702 mW/g

Body, Ch. 0363, Ant. Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

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

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



SAMSUNG FCC ID : A3LSPHA840 1900MHz PCS Body SAR

DUT: SPH-A840(Body); Serial: FC-042-G

Program Name: SPH-A840 PCS Body (Job No. : FC-042)

Procedure Name: Body, Ch. 1175, Ant. Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-18/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 1.56$ mho/m, $\epsilon_r = 51.6103$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.76, 7.76, 7.76); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 1175, Ant. Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 16.4 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.550 W/kg

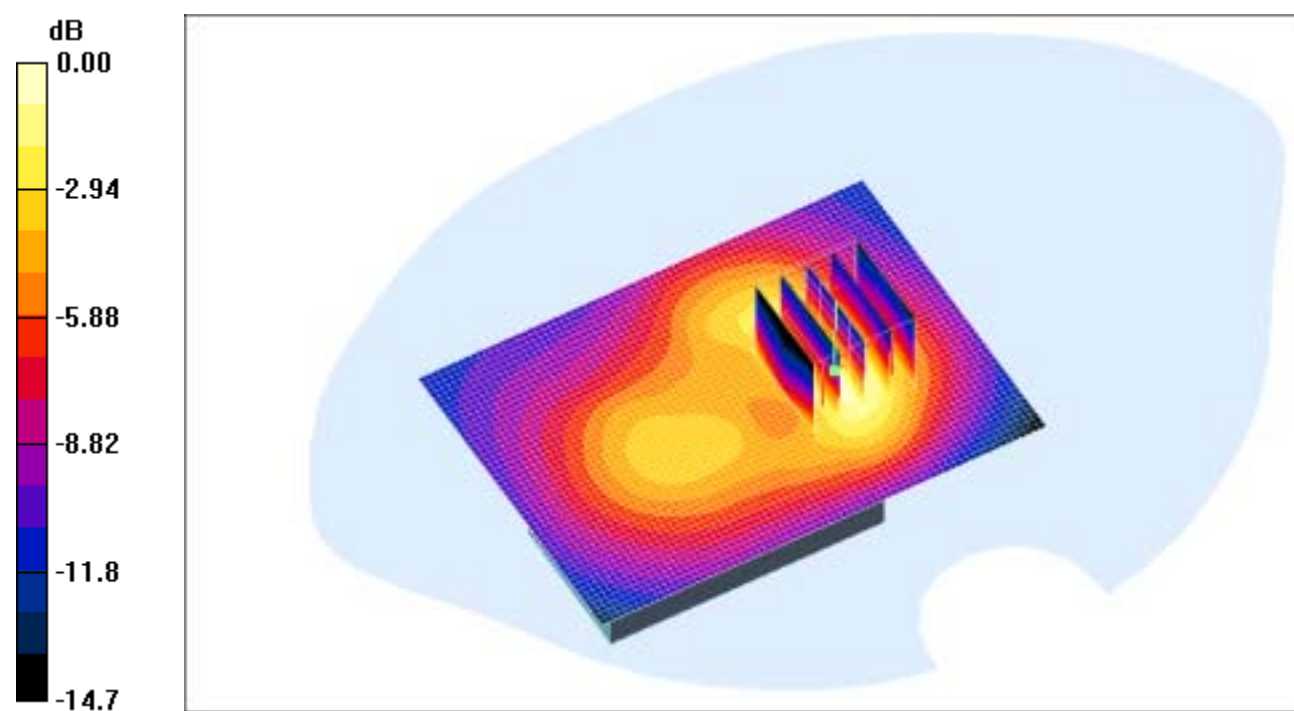
SAR(1 g) = 0.353 mW/g

Maximum value of SAR (measured) = 0.390 mW/g

Body, Ch. 1175, Ant. Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.393 mW/g



0 dB = 0.393mW/g

SAMSUNG FCC ID : A3LSPHA840 835MHz AMPS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 AMPS Right (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.0991, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 824.04 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 824.04$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0991, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.965 mW/g

Cheek/Touch, Ch.0991, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

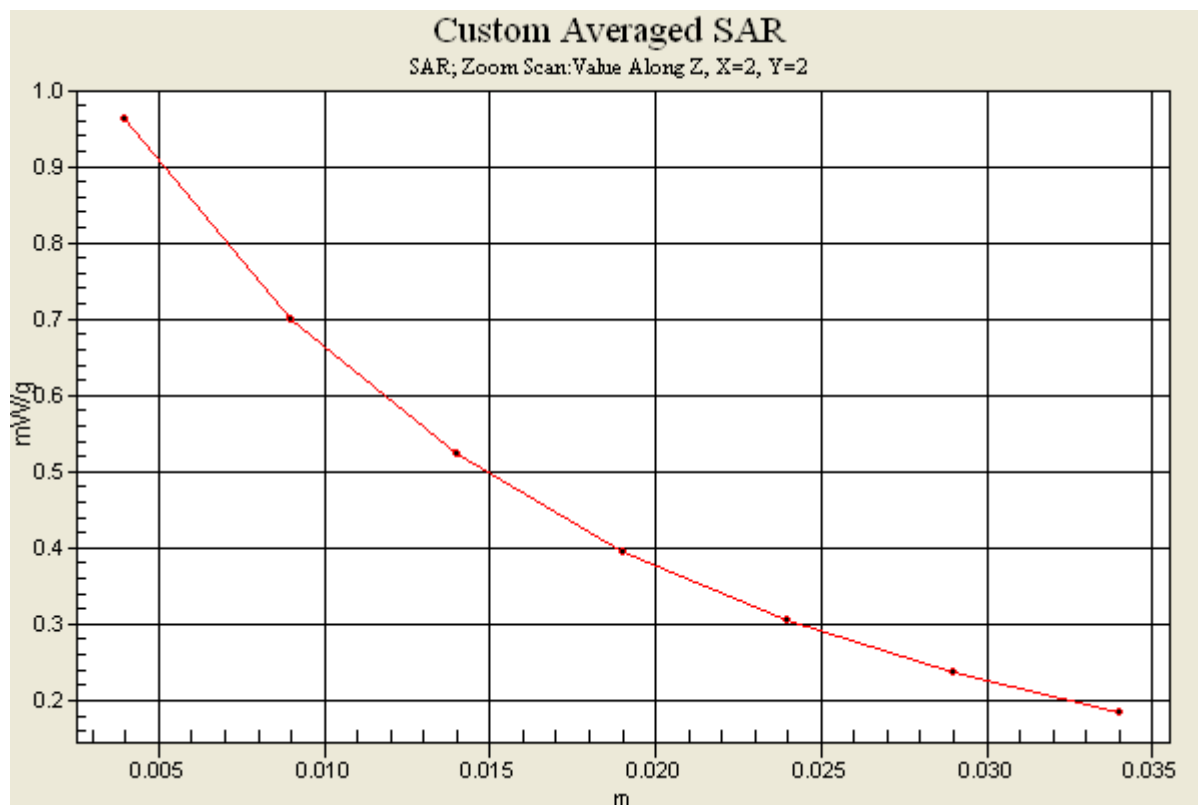
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.896 mW/g

Maximum value of SAR (measured) = 0.961 mW/g



SAMSUNG FCC ID : A3LSPHA840 835MHz CDMA Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 CDMA Right (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.1013, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.3;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 824.7$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.1013, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.736 mW/g

Cheek/Touch, Ch.1013, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

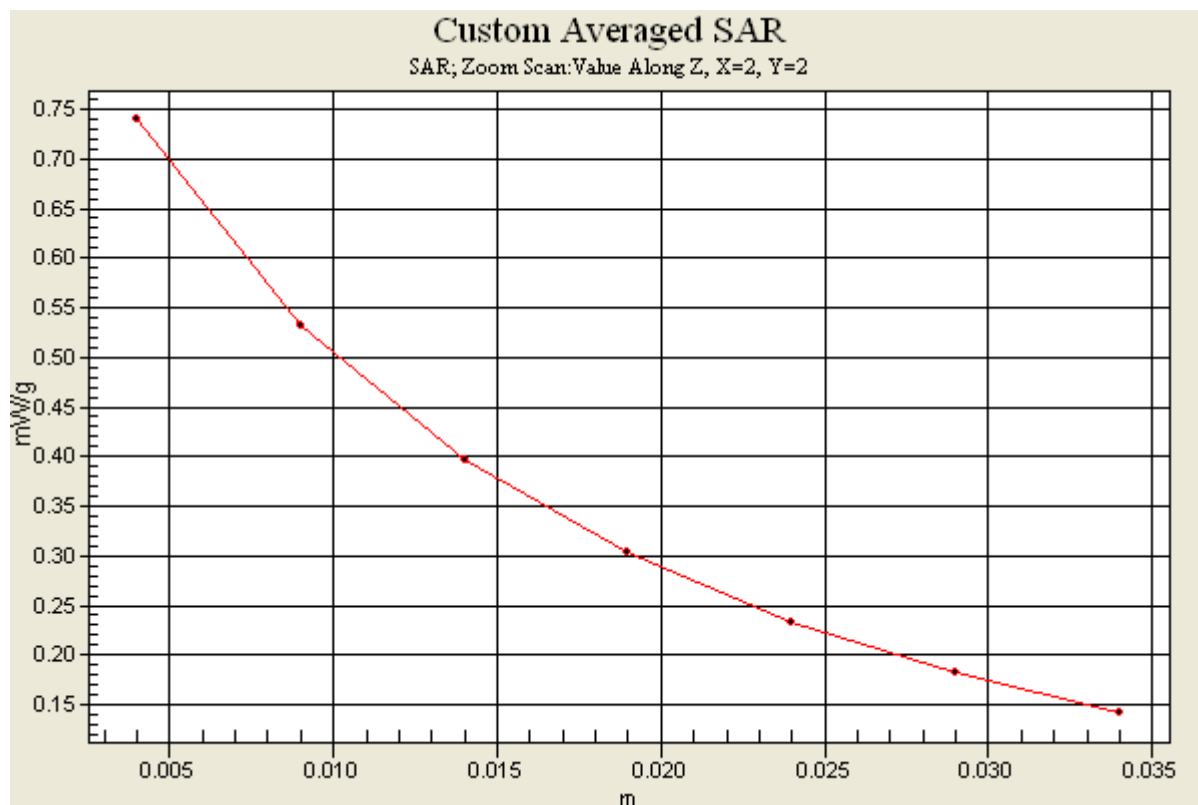
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.61 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.971 W/kg

SAR(1 g) = 0.694 mW/g

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



SAMSUNG FCC ID : A3LSPHA840 1900MHz PCS Head SAR

DUT: SPH-A840; Serial: FC-042-G

Program Name: SPH-A840 PCS Right (Job No. : FC-042)

Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-18/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0025, Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.12 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

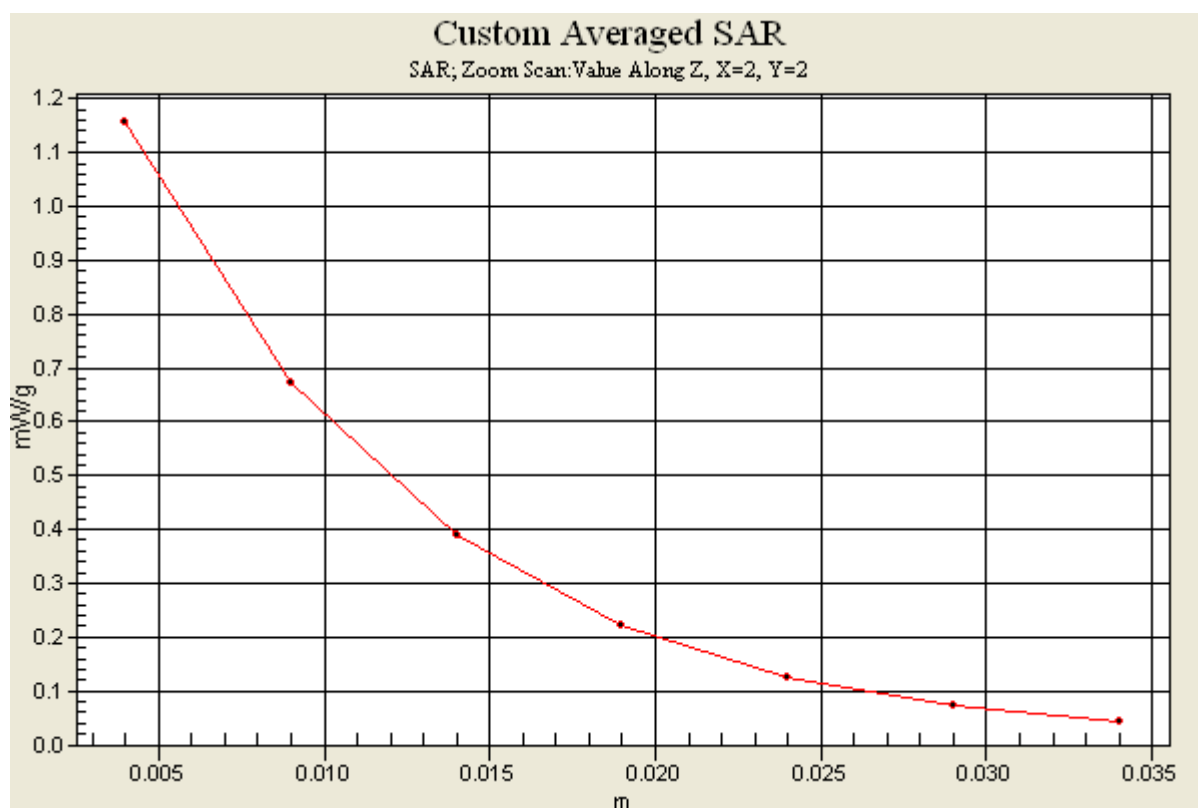
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.04 mW/g

Maximum value of SAR (measured) = 1.15 mW/g



SAMSUNG FCC ID : A3LSPHA840 835MHz AMPS Body SAR

DUT: SPH-A840(Body); Serial: FC-042-G

Program Name: SPH-A840 AMPS Body (Job No. : FC-042)

Procedure Name: Body, Ch. 0383, Ant. Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.83, 9.83, 9.83); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 0383, Ant. Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.918 mW/g

Body, Ch. 0383, Ant. Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

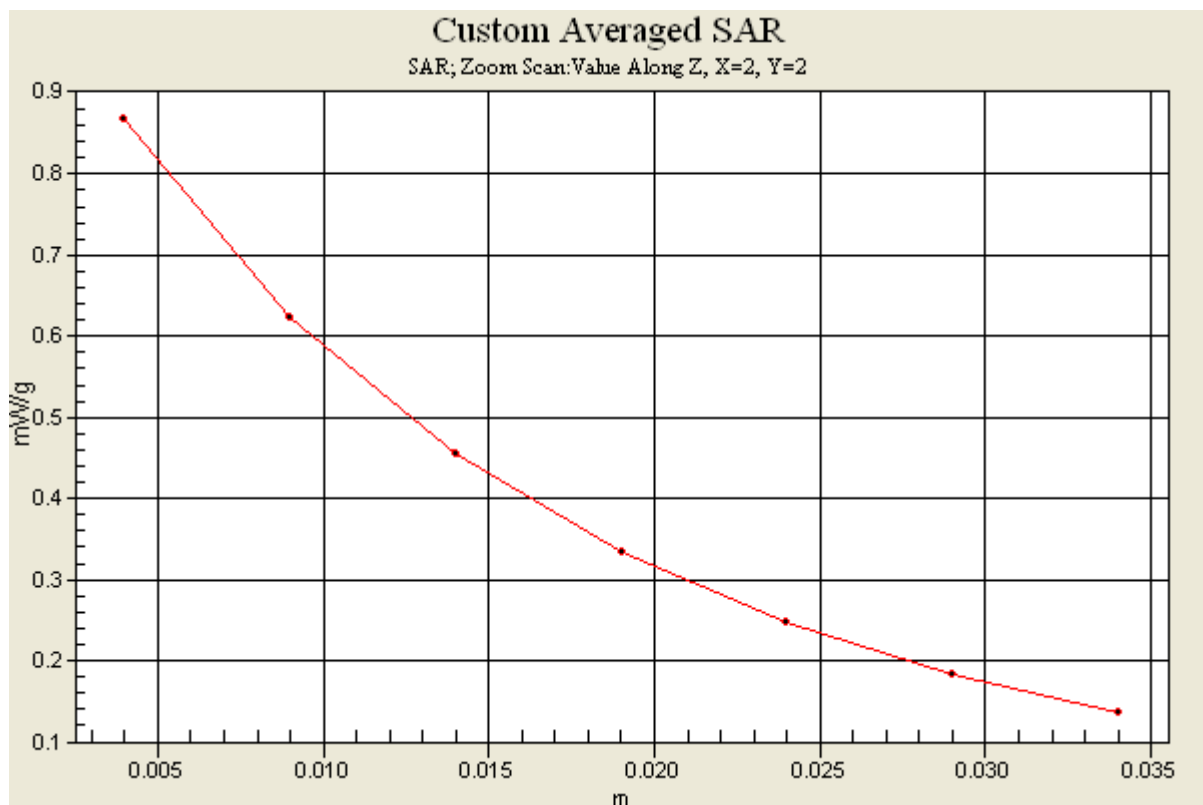
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 24.8 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.815 mW/g

Maximum value of SAR (measured) = 0.865 mW/g



SAMSUNG FCC ID : A3LSPHA840 835MHz CDMA Body SAR

DUT: SPH-A840(Body); Serial: FC-042-G

Program Name: SPH-A840 CDMA Body (Job No. : FC-042)

Procedure Name: Body, Ch. 0363, Ant. Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-19/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.83, 9.83, 9.83); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 0363, Ant. Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

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

Body, Ch. 0363, Ant. Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

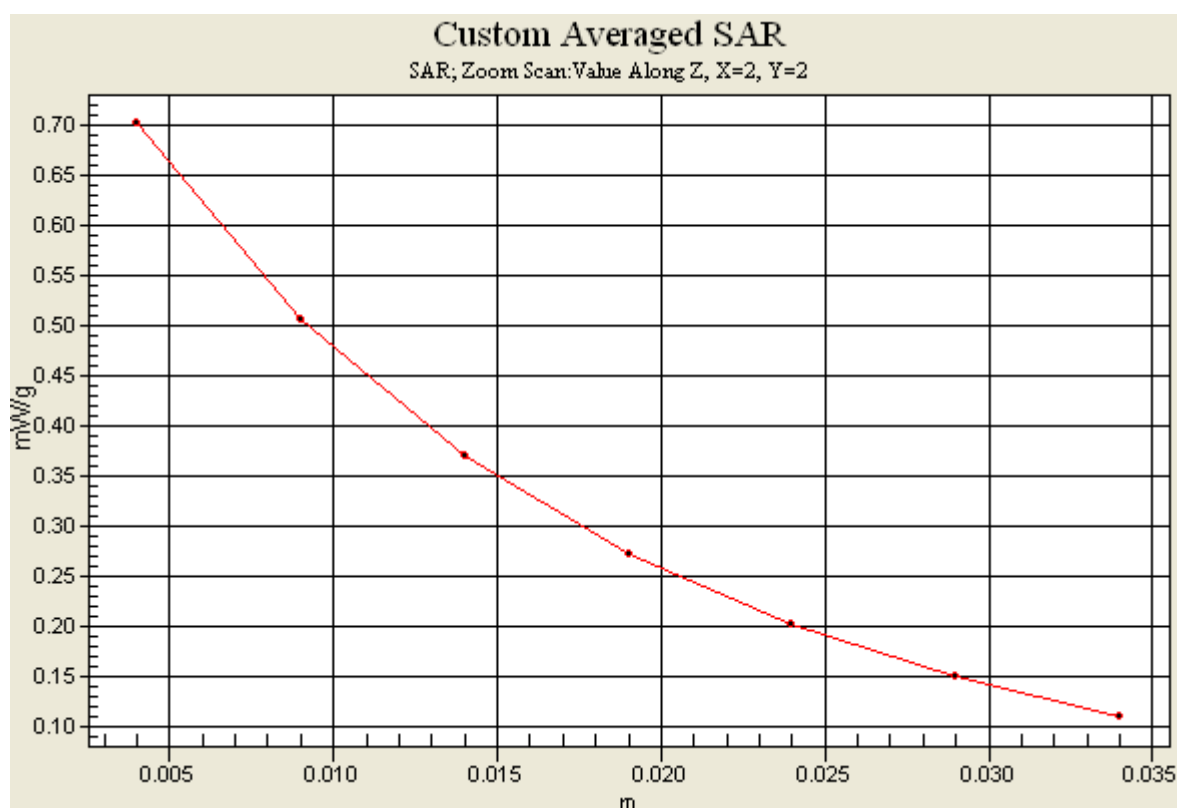
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.9 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.931 W/kg

SAR(1 g) = 0.664 mW/g

Maximum value of SAR (measured) = 0.702 mW/g



SAMSUNG FCC ID : A3LSPHA840 1900MHz PCS Body SAR

DUT: SPH-A840(Body); Serial: FC-042-G

Program Name: SPH-A840 PCS Body (Job No. : FC-042)

Procedure Name: Body, Ch. 1175, Ant. Intenna, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-18/Apr/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 1.56$ mho/m, $\epsilon_r = 51.6103$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.76, 7.76, 7.76); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 1175, Ant. Intenna, Bat. Extended/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.393 mW/g

Body, Ch. 1175, Ant. Intenna, Bat. Extended/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 16.4 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.550 W/kg

SAR(1 g) = 0.353 mW/g

Maximum value of SAR (measured) = 0.390 mW/g

