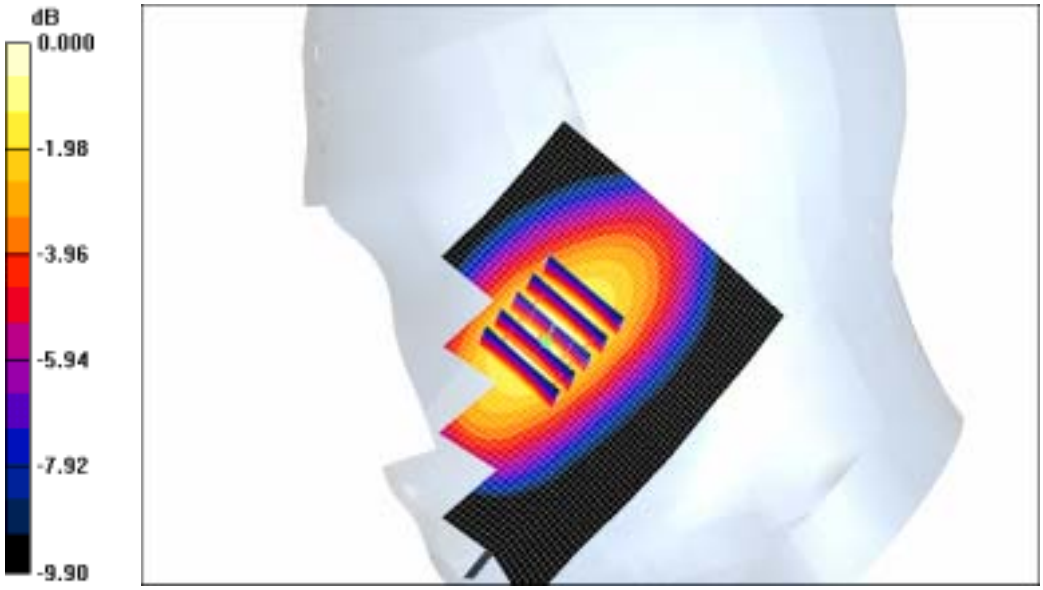
SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 AMPS Right (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.0991, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.0;Tissue Temp(celsius)-21.5;Test Date-06/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: AMPS; Frequency: 824.04 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.04 MHz; σ = 0.91 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.0991, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.28 mW/g

Cheek/Touch, Ch.0991, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 2.00 W/kg
SAR(1 g) = 1.22 mW/g
Maximum value of SAR (measured) = 1.34 mW/g

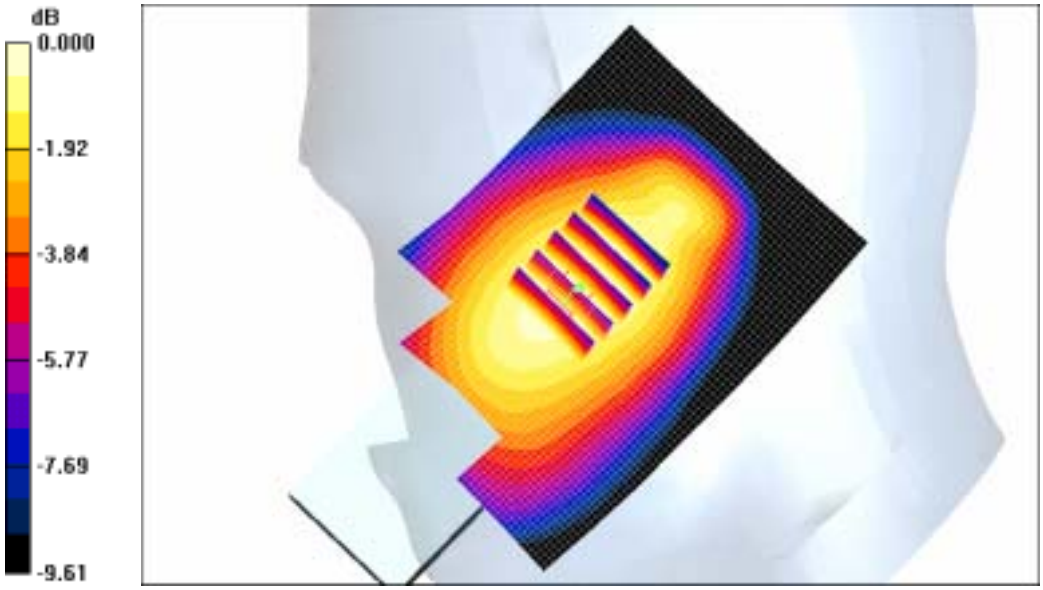


0 dB = 1.34mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 AMPS Right (Job No. : FD-014)
Procedure Name: Ear/Tilt, Ch.0383, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.0;Tissue Temp(celsius)-21.5;Test Date-06/Feb/2006[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; σ = 0.91 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.0383, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.297 mW/g

Ear/Tilt, Ch.0383, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = 0.134 dB
Peak SAR (extrapolated) = 0.375 W/kg
SAR(1 g) = 0.289 mW/g
Maximum value of SAR (measured) = 0.303 mW/g

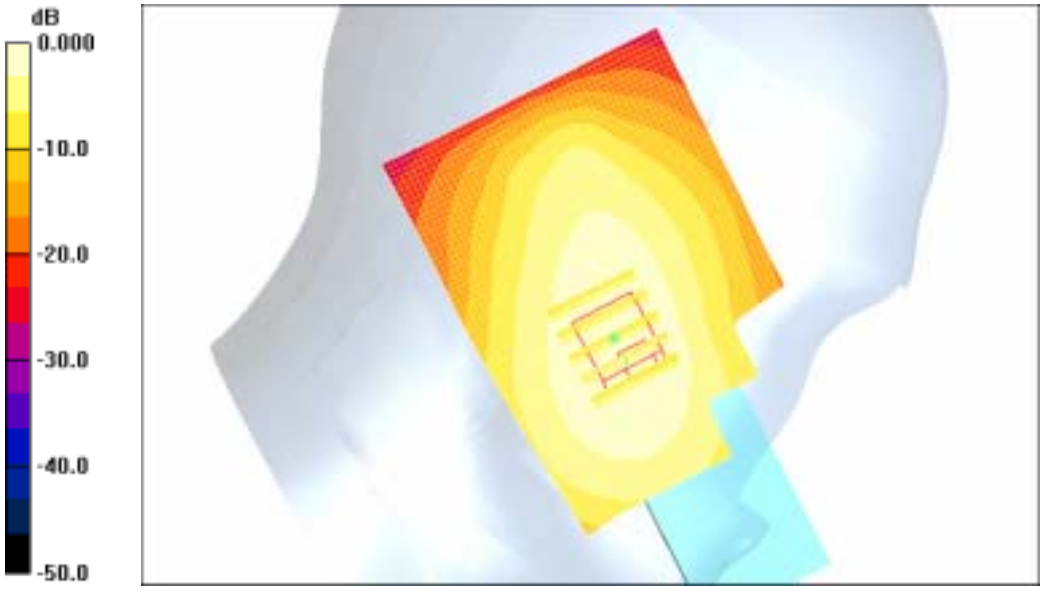


0 dB = 0.303mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 AMPS Left (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.0991, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.0;Tissue Temp(celsius)-21.5;Test Date-06/Feb/2006[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; σ = 0.91 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.0991, Intenna, Bat. Standard/Zoom Scan 2 (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 1.23 mW/g
Maximum value of SAR (measured) = 1.33 mW/g

Cheek/Touch, Ch.0991, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.25 mW/g

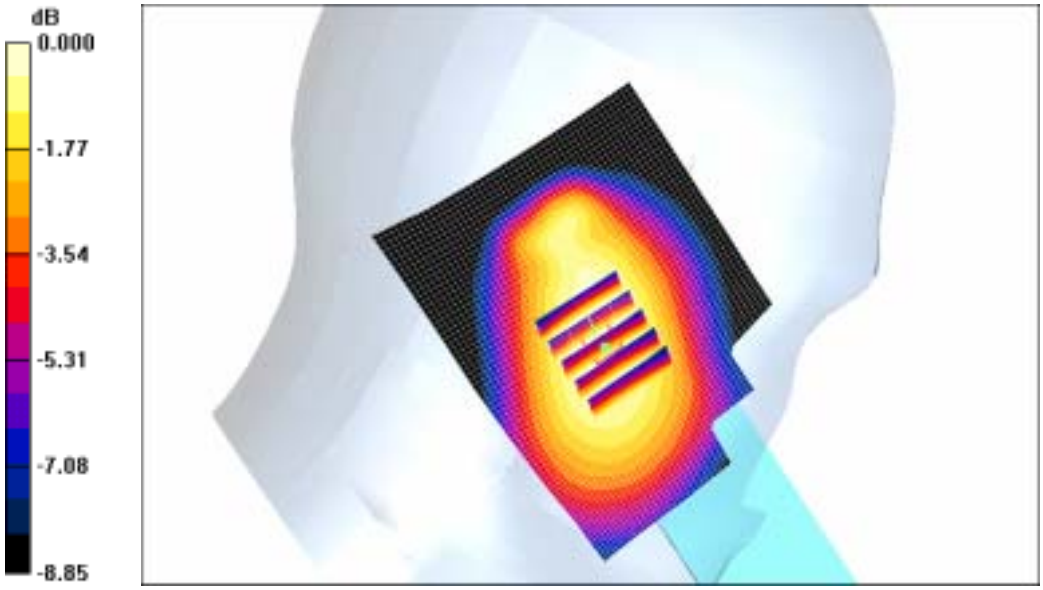


0 dB = 1.25mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 AMPS Left (Job No. : FD-014)
Procedure Name: Ear/Tilt, Ch.0383, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.0;Tissue Temp(celsius)-21.5;Test Date-06/Feb/2006[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; σ = 0.91 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.0383, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.340 mW/g

Ear/Tilt, Ch.0383, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.2 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.319 mW/g
Maximum value of SAR (measured) = 0.332 mW/g

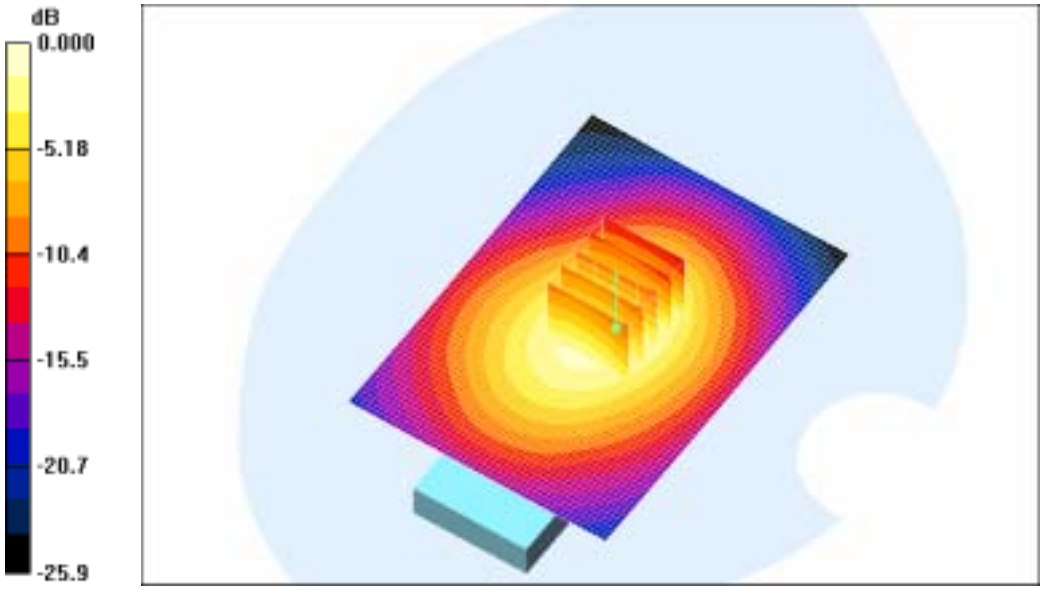


0 dB = 0.332mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Body SAR
DUT: SPH-A640(Body); Serial: FD-014-A
Program Name: SPH-A640 AMPS Body (Job No. : FD-014)
Procedure Name: Body, Ch. 991, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Ambient Temp-22.7;Test Date-02/Feb/2006[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; σ = 0.98 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.82, 5.82, 5.82); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 991, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.7 V/m; Power Drift = -0.143 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.401 mW/g
Maximum value of SAR (measured) = 0.434 mW/g

Body, Ch. 991, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.480 mW/g

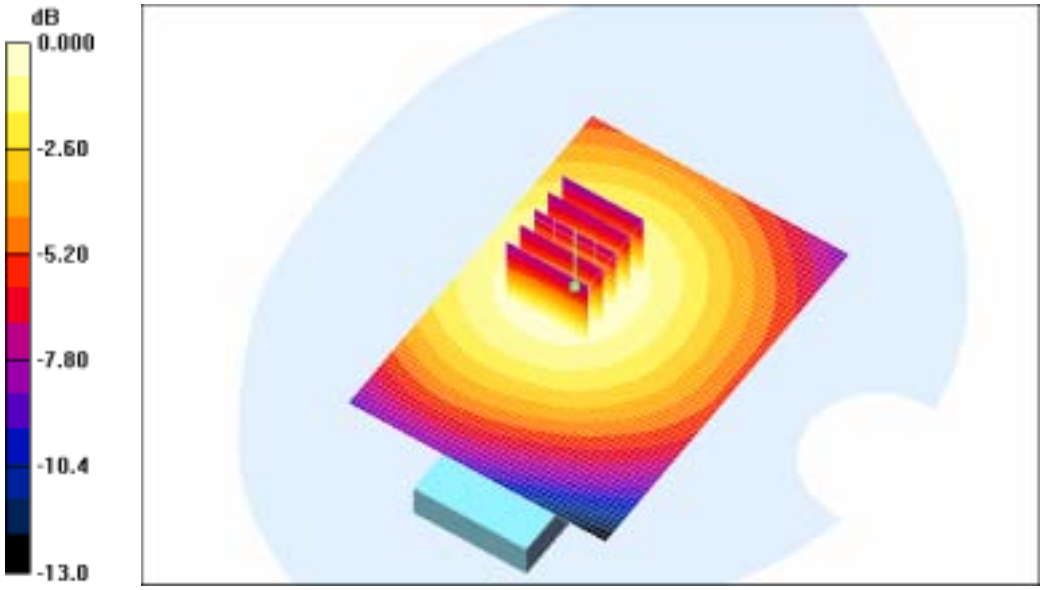


0 dB = 0.480mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Face SAR
DUT: SPH-A640(Head); Serial: FD-014-A
Program Name: SPH-A640 AMPS PTT (Job No. : FD-014)
Procedure Name: PTT, Ch. 0799, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.0;Tissue Temp(celsius)-21.5;Test Date-06/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: AMPS; Frequency: 848.97 MHz;Duty Cycle: 1:1
Medium parameters used: f = 848.97 MHz; σ = 0.91 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

PTT, Ch. 0799, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.48 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.048 W/kg
SAR(1 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.038 mW/g

PTT, Ch. 0799, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.040 mW/g



0 dB = 0.040mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 AMPS Left (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.0991, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.0;Tissue Temp(celsius)-21.5;Test Date-06/Feb/2006[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; σ = 0.91 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

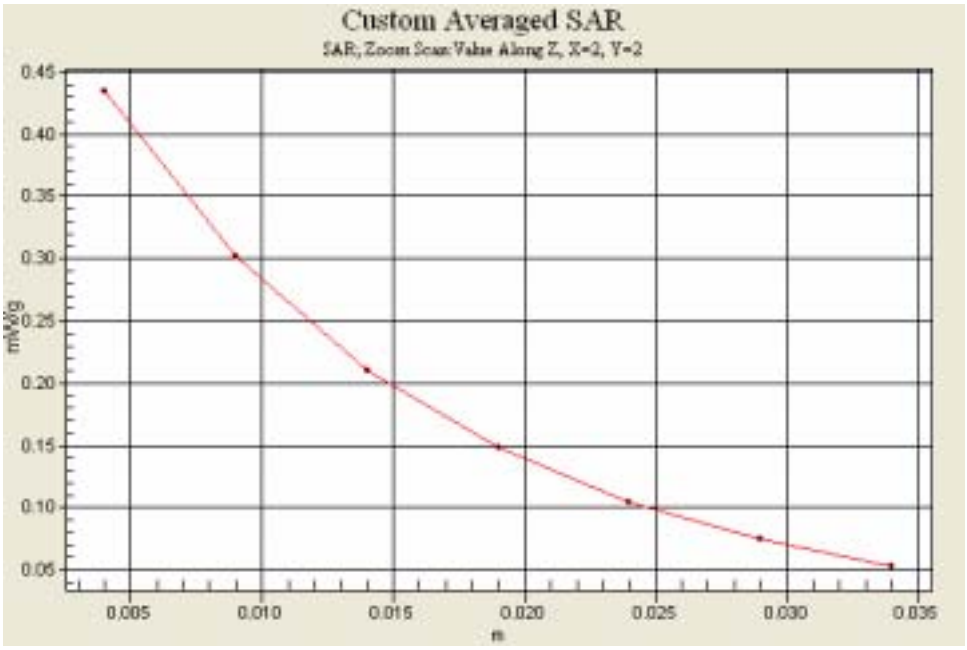
Cheek/Touch, Ch.0991, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.25 mW/g

Cheek/Touch, Ch.0991, Intenna, Bat. Standard/Zoom Scan 2 (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 1.23 mW/g
Maximum value of SAR (measured) = 1.33 mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Body SAR
DUT: SPH-A640(Body); Serial: FD-014-A
Program Name: SPH-A640 AMPS Body (Job No. : FD-014)
Procedure Name: Body, Ch. 991, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Ambient Temp-22.7;Test Date-02/Feb/2006[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; σ = 0.98 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.82, 5.82, 5.82); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 991, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.480 mW/g

Body, Ch. 991, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.7 V/m; Power Drift = -0.143 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.401 mW/g
Maximum value of SAR (measured) = 0.434 mW/g



SAMSUNG FCC ID : A3LSPHA640S 835MHz AMPS Face SAR
DUT: SPH-A640(Head); Serial: FD-014-A
Program Name: SPH-A640 AMPS PTT (Job No. : FD-014)
Procedure Name: PTT, Ch. 0799, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.0;Tissue Temp(celsius)-21.5;Test Date-06/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: AMPS; Frequency: 848.97 MHz;Duty Cycle: 1:1
Medium parameters used: f = 848.97 MHz; σ = 0.91 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

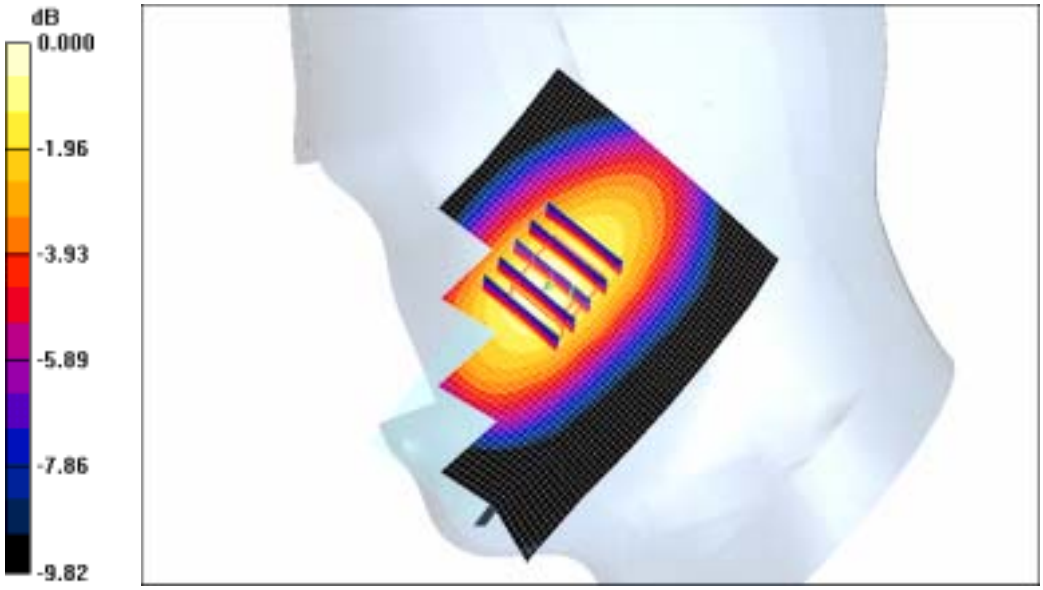
PTT, Ch. 0799, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.040 mW/g

PTT, Ch. 0799, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.48 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.048 W/kg
SAR(1 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.038 mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 CDMA Right (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.1013, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.7;Tissue Temp(celsius)-21.3;Test Date-02/Feb/2006[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; σ = 0.91 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.1013, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.05 mW/g

Cheek/Touch, Ch.1013, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 1.03 mW/g
Maximum value of SAR (measured) = 1.10 mW/g

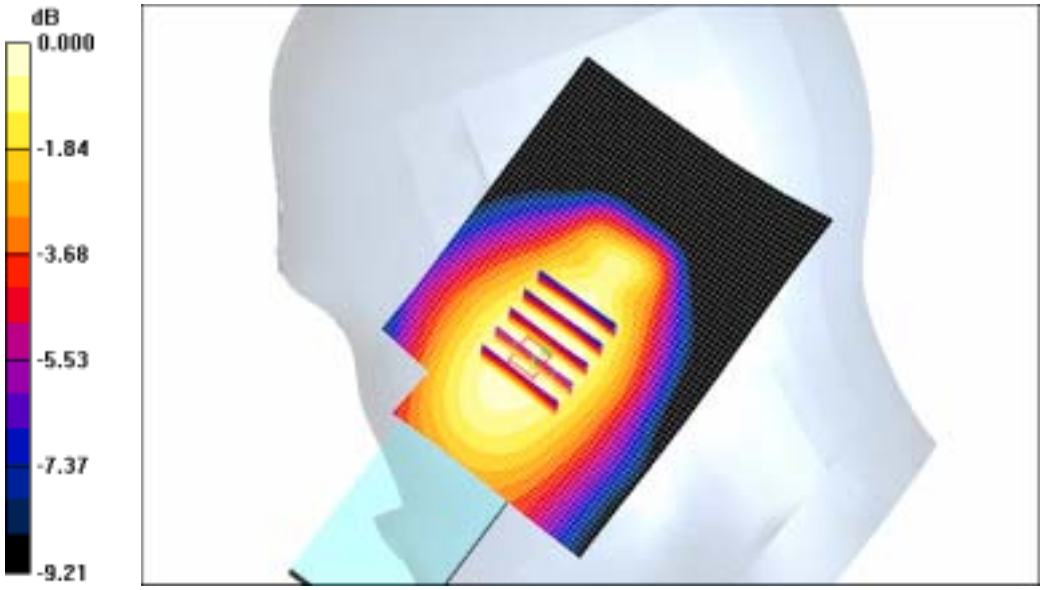


0 dB = 1.10mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 CDMA Right (Job No. : FD-014)
Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.7;Tissue Temp(celsius)-21.3;Test Date-02/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.52 MHz; σ = 0.91 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.206 mW/g

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 0.250 W/kg
SAR(1 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.202 mW/g

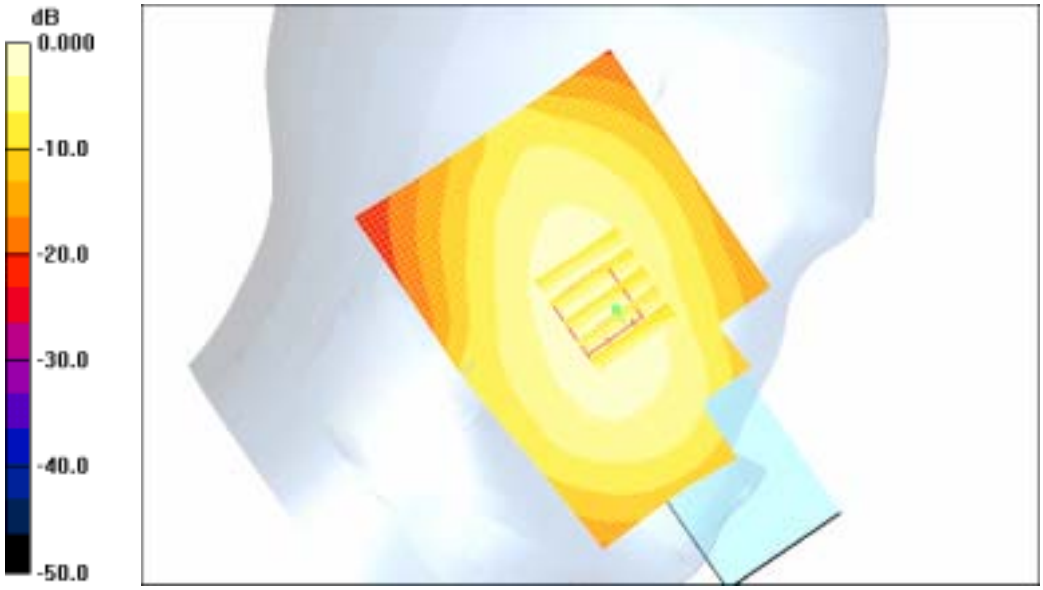


0 dB = 0.202mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 CDMA Left (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.1013, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.7;Tissue Temp(celsius)-21.3;Test Date-02/Feb/2006[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; σ = 0.91 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.1013, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.1 mW/g
Maximum value of SAR (measured) = 1.20 mW/g

Cheek/Touch, Ch.1013, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.21 mW/g

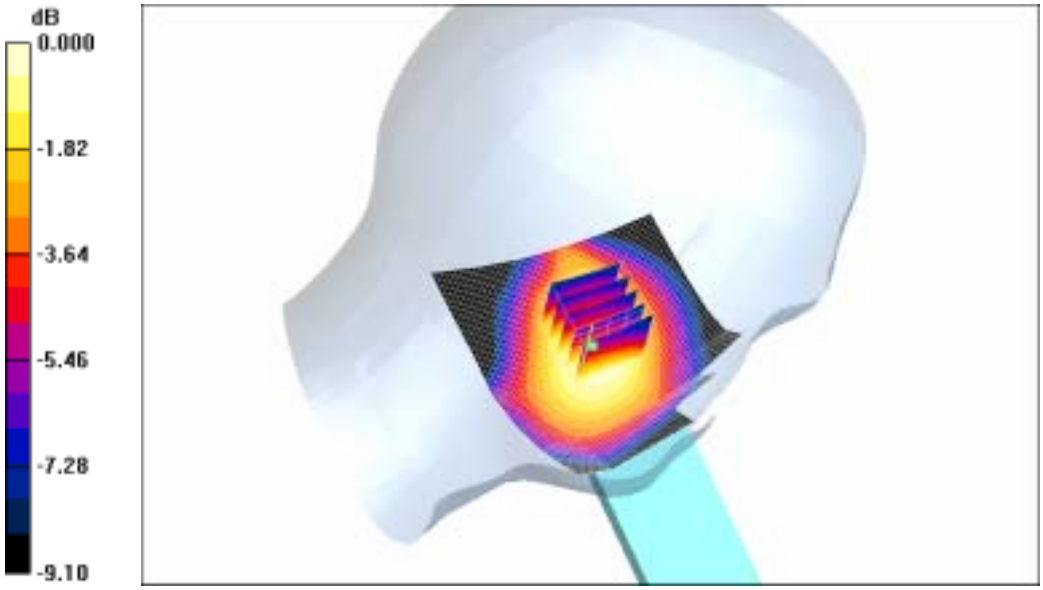


0 dB = 1.21mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 CDMA Left (Job No. : FD-014)
Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.7;Tissue Temp(celsius)-21.3;Test Date-02/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.52 MHz; σ = 0.91 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.272 mW/g

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 0.321 W/kg
SAR(1 g) = 0.244 mW/g
Maximum value of SAR (measured) = 0.258 mW/g

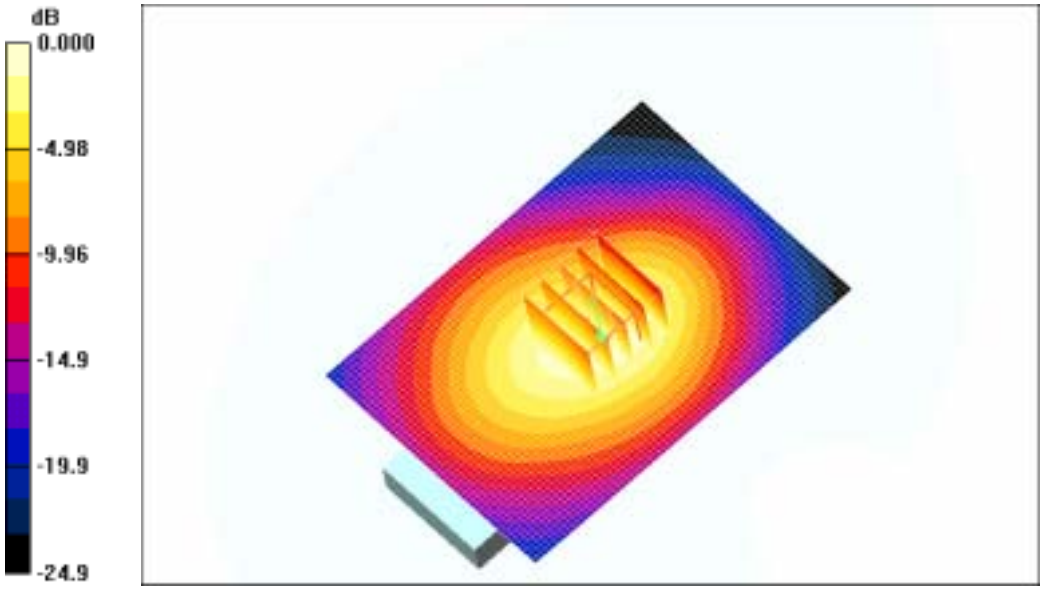


0 dB = 0.258mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Body SAR
DUT: SPH-A640(Body); Serial: FD-014-A
Program Name: SPH-A640 CDMA Body (Job No. : FD-014)
Procedure Name: Body, Ch. 1013, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Ambient Temp-22.7;Test Date-02/Feb/2006[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; σ = 0.98 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.82, 5.82, 5.82); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 1013, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.5 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 0.538 W/kg
SAR(1 g) = 0.373 mW/g
Maximum value of SAR (measured) = 0.402 mW/g

Body, Ch. 1013, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.443 mW/g

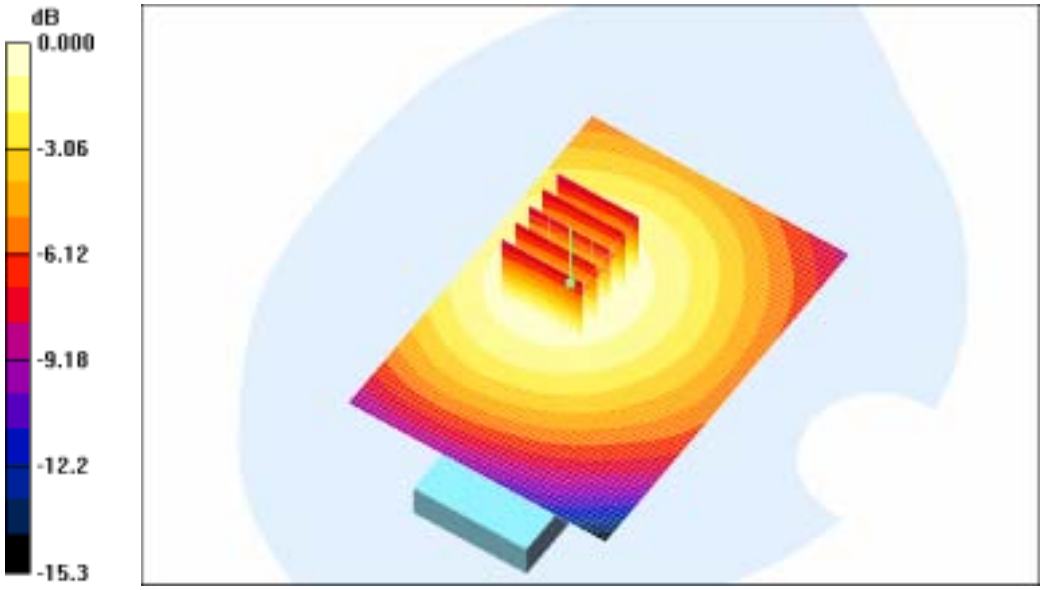


0 dB = 0.443mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Face SAR
DUT: SPH-A640(Head); Serial: FD-014-A
Program Name: SPH-A640 CDMA PTT (Job No. : FD-014)
Procedure Name: PTT, Ch. 0777, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.7;Tissue Temp(celsius)-21.3;Test Date-02/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used: f = 848.31 MHz; σ = 0.91 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

PTT, Ch. 0777, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.00 V/m; Power Drift = -0.194 dB
Peak SAR (extrapolated) = 0.043 W/kg
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.034 mW/g

PTT, Ch. 0777, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.035 mW/g

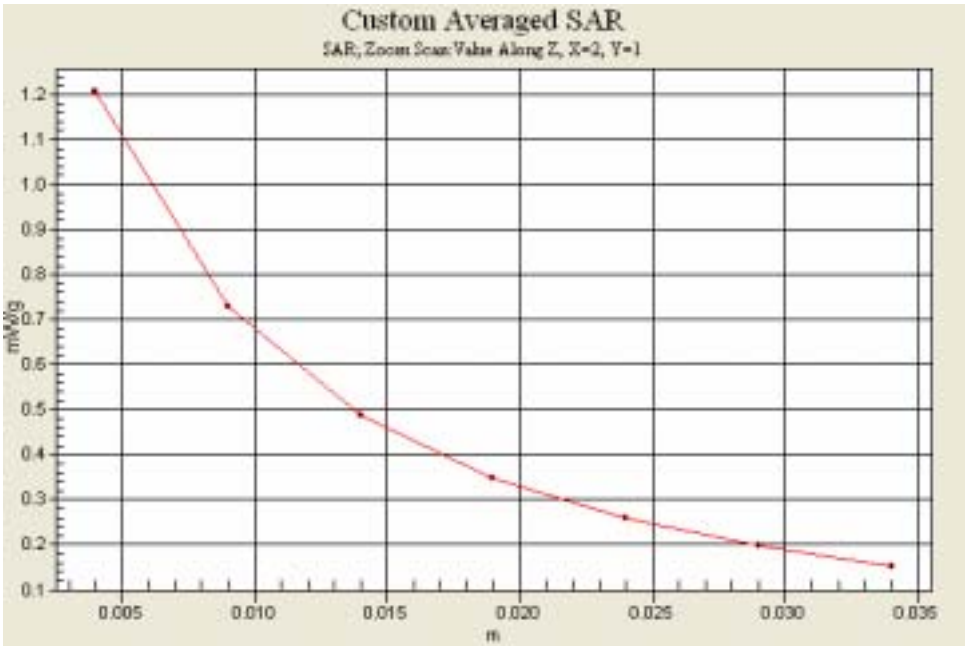


0 dB = 0.035mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 CDMA Left (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.1013, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.7;Tissue Temp(celsius)-21.3;Test Date-02/Feb/2006[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; σ = 0.91 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.1013, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.21 mW/g

Cheek/Touch, Ch.1013, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.1 mW/g
Maximum value of SAR (measured) = 1.20 mW/g



SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Body SAR
DUT: SPH-A640(Body); Serial: FD-014-A
Program Name: SPH-A640 CDMA Body (Job No. : FD-014)
Procedure Name: Body, Ch. 1013, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Ambient Temp-22.7;Test Date-02/Feb/2006[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; σ = 0.98 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.82, 5.82, 5.82); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 1013, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.443 mW/g

Body, Ch. 1013, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.5 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 0.538 W/kg
SAR(1 g) = 0.373 mW/g
Maximum value of SAR (measured) = 0.402 mW/g

SAMSUNG FCC ID : A3LSPHA640S 835MHz CDMA Face SAR
DUT: SPH-A640(Head); Serial: FD-014-A
Program Name: SPH-A640 CDMA PTT (Job No. : FD-014)
Procedure Name: PTT, Ch. 0777, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.7;Tissue Temp(celsius)-21.3;Test Date-02/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used: f = 848.31 MHz; σ = 0.91 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

PTT, Ch. 0777, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.035 mW/g

PTT, Ch. 0777, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.00 V/m; Power Drift = -0.194 dB
Peak SAR (extrapolated) = 0.043 W/kg
SAR(1 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.034 mW/g

SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 PCS Right (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.1;Tissue Temp(celsius)-21.9;Test Date-01/Feb/2006[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; σ = 1.39 mho/m; ε_r = 38.6; ρ = 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: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.41 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 1.01 mW/g
Maximum value of SAR (measured) = 1.07 mW/g

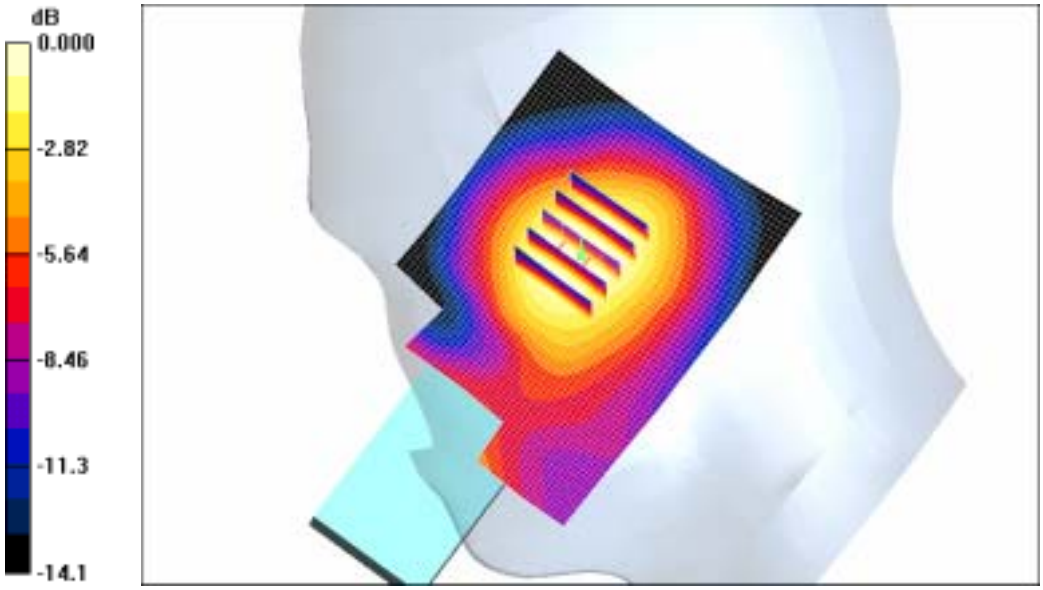
Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.988 mW/g

0 dB = 0.988mW/g

SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 PCS Right (Job No. : FD-014)
Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.1;Tissue Temp(celsius)-21.9;Test Date-01/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.6; ρ = 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: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.202 mW/g

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.70 V/m; Power Drift = 0.183 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.174 mW/g

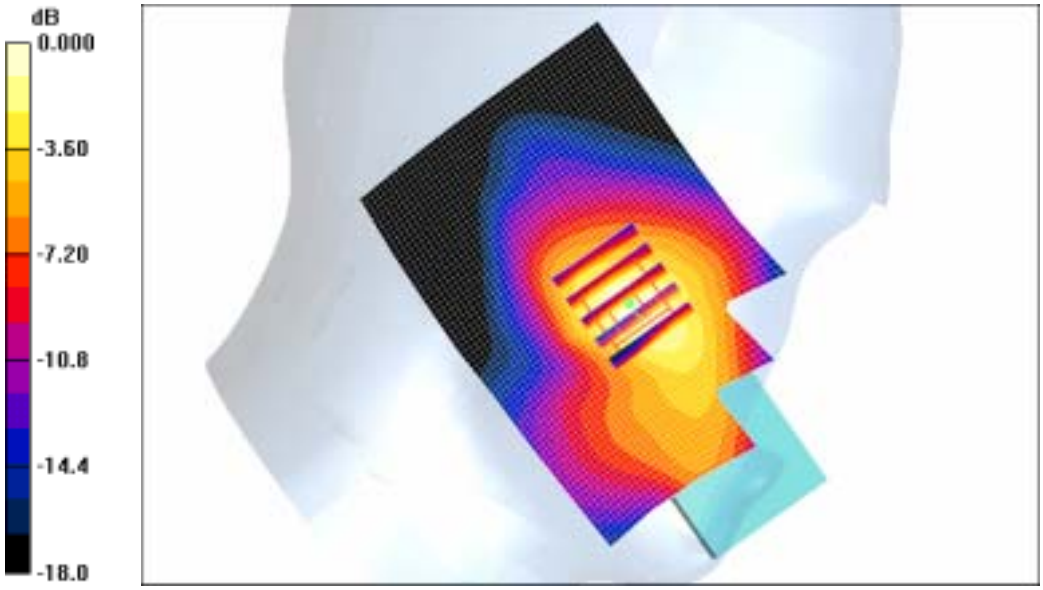


0 dB = 0.174mW/g

SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 PCS Left (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.1;Tissue Temp(celsius)-21.9;Test Date-01/Feb/2006[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; σ = 1.39 mho/m; ε_r = 38.6; ρ = 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: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.37 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.03 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 2.66 W/kg
SAR(1 g) = 1.44 mW/g
Maximum value of SAR (measured) = 1.53 mW/g

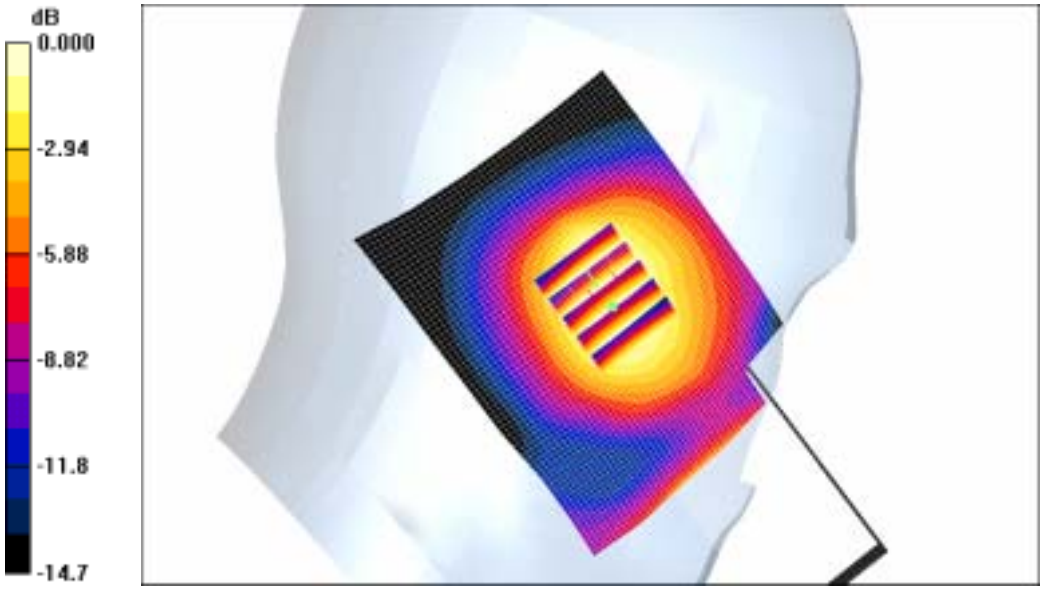


0 dB = 1.53mW/g

SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 PCS Left (Job No. : FD-014)
Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.1;Tissue Temp(celsius)-21.9;Test Date-01/Feb/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.6; ρ = 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: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.194 mW/g

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.09 V/m; Power Drift = 0.184 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.186 mW/g

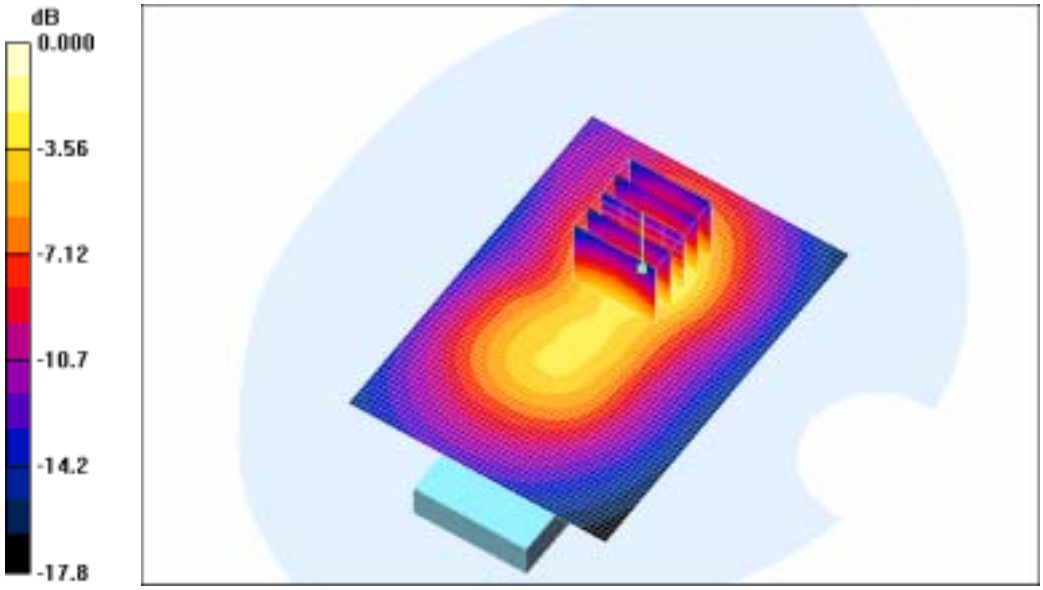


0 dB = 0.186mW/g

SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Body SAR
DUT: SPH-A640(Body); Serial: FD-014-A
Program Name: SPH-A640 PCS Body (Job No. : FD-014)
Procedure Name: Body, Ch. 0025, Ant. Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)- 22.2; Tissue Temp(celsius)- 20.9;Test Date-01/Feb/2006 [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; σ = 1.56 mho/m; ε_r = 52.6; 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: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 0025, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 0.935 W/kg
SAR(1 g) = 0.596 mW/g
Maximum value of SAR (measured) = 0.640 mW/g

Body, Ch. 0025, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.720 mW/g

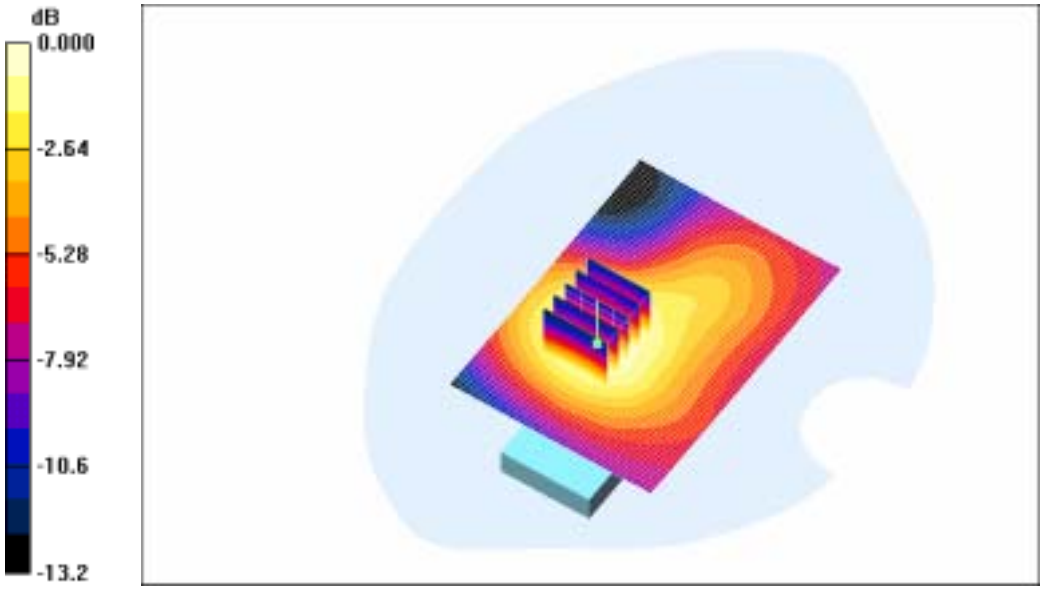


0 dB = 0.720mW/g

SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Face SAR
DUT: SPH-A640(Head); Serial: FD-014-A
Program Name: SPH-A640 PCS PTT (Job No. : FD-014)
Procedure Name: PTT, Ch. 0025, Ant. Intenna, Bat. Standard With BT ON
Procedure Notes: Meas. Ambient Temp(celsius)- 22.2; Tissue Temp(celsius)- 20.9;Test Date-01/Feb/2006 [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; σ = 1.39 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

PTT, Ch. 0025, Ant. Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.148 mW/g

PTT, Ch. 0025, Ant. Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.43 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.132 mW/g
Maximum value of SAR (measured) = 0.141 mW/g

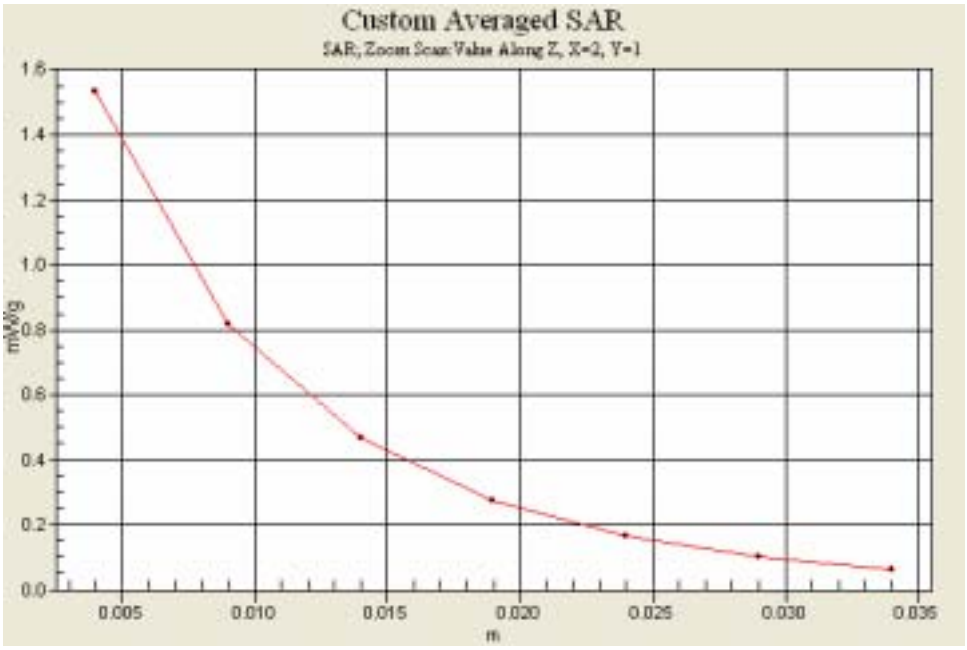


0 dB = 0.141mW/g

SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Head SAR
DUT: SPH-A640; Serial: FD-014-A
Program Name: SPH-A640 PCS Left (Job No. : FD-014)
Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard
Procedure Notes: Meas.Ambient Temp(celsius)-22.1;Tissue Temp(celsius)-21.9;Test Date-01/Feb/2006[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; σ = 1.39 mho/m; ε_r = 38.6; ρ = 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: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.37 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.03 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 2.66 W/kg
SAR(1 g) = 1.44 mW/g
Maximum value of SAR (measured) = 1.53 mW/g



SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Body SAR
DUT: SPH-A640(Body); Serial: FD-014-A
Program Name: SPH-A640 PCS Body (Job No. : FD-014)
Procedure Name: Body, Ch. 0025, Ant. Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)- 22.2; Tissue Temp(celsius)- 20.9;Test Date-01/Feb/2006 [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; σ = 1.56 mho/m; ε_r = 52.6; 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: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 0025, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.720 mW/g

Body, Ch. 0025, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 0.935 W/kg
SAR(1 g) = 0.596 mW/g
Maximum value of SAR (measured) = 0.640 mW/g

SAMSUNG FCC ID : A3LSPHA640S 1900MHz PCS Face SAR
DUT: SPH-A640(Head); Serial: FD-014-A
Program Name: SPH-A640 PCS PTT (Job No. : FD-014)
Procedure Name: PTT, Ch. 0025, Ant. Intenna, Bat. Standard With BT ON
Procedure Notes: Meas. Ambient Temp(celsius)- 22.2; Tissue Temp(celsius)- 20.9;Test Date-01/Feb/2006 [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; σ = 1.39 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

PTT, Ch. 0025, Ant. Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.148 mW/g

PTT, Ch. 0025, Ant. Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.43 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.132 mW/g
Maximum value of SAR (measured) = 0.141 mW/g