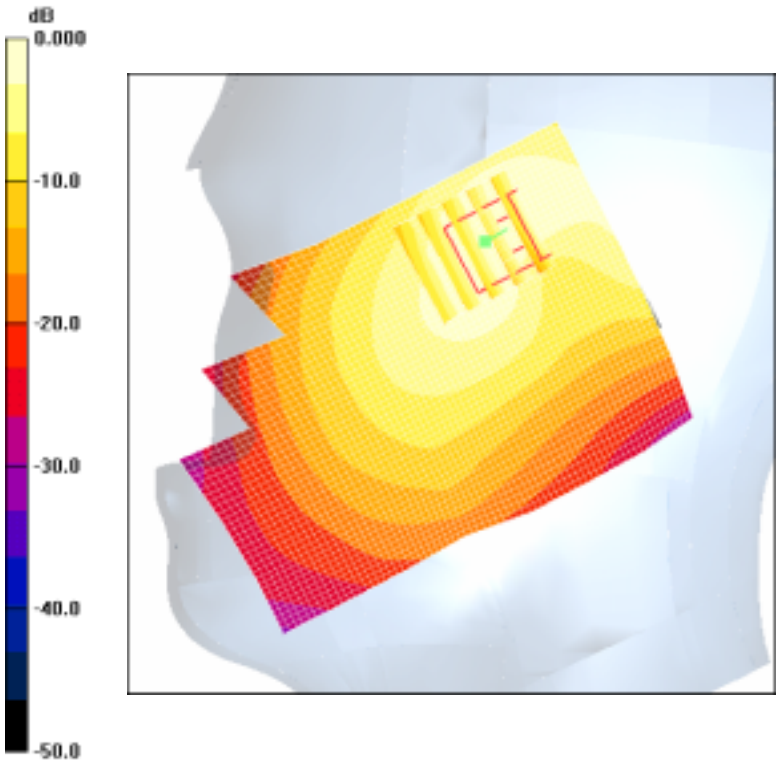
SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 CDMA Right,Slide Down(Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0777, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/2006[OET 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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.675 mW/g.
Maximum value of SAR (measured) = 0.728 mW/g

Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.685 mW/g

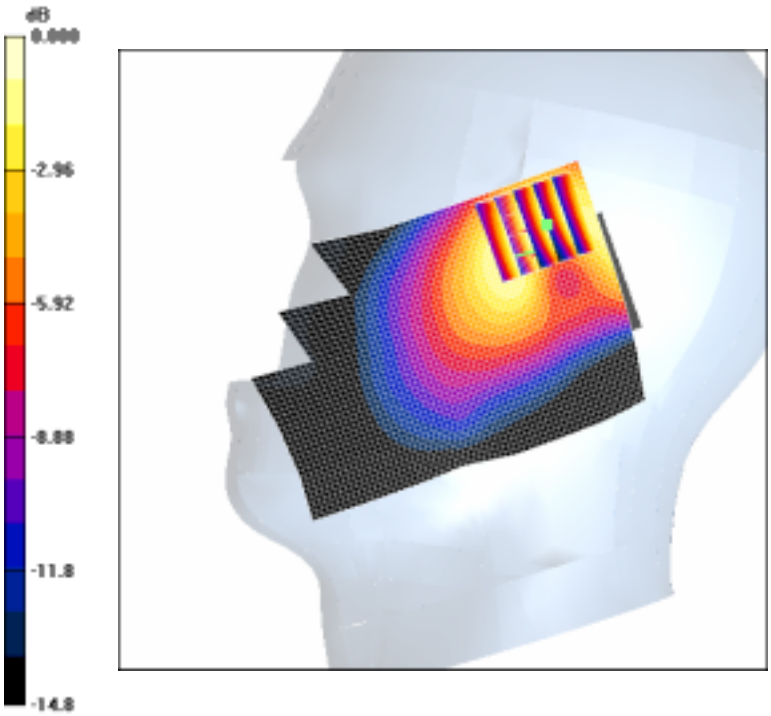


0 dB = 0.685mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 CDMA Right,Slide Down(Job No. : FD-153)
Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.290 mW/g

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.02 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.283 mW/g
Maximum value of SAR (measured) = 0.300 mW/g

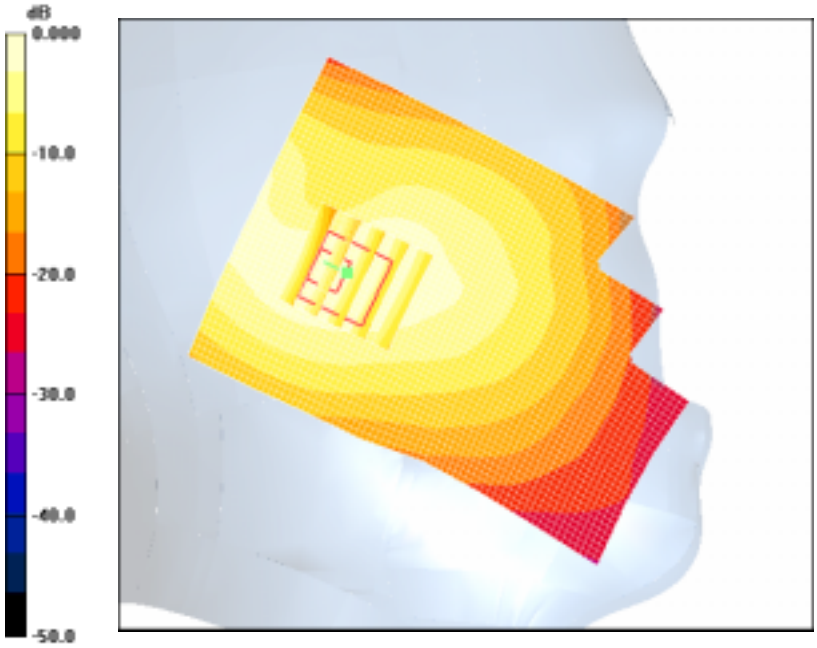


0 dB = 0.300mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 CDMA Left,Slide Down (Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0384, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.89 V/m; Power Drift = 0.051 dB
Peak SAR (extrapolated) = 0.516 W/kg
SAR(1 g) = 0.340 mW/g
Maximum value of SAR (measured) = 0.362 mW/g

Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.368 mW/g

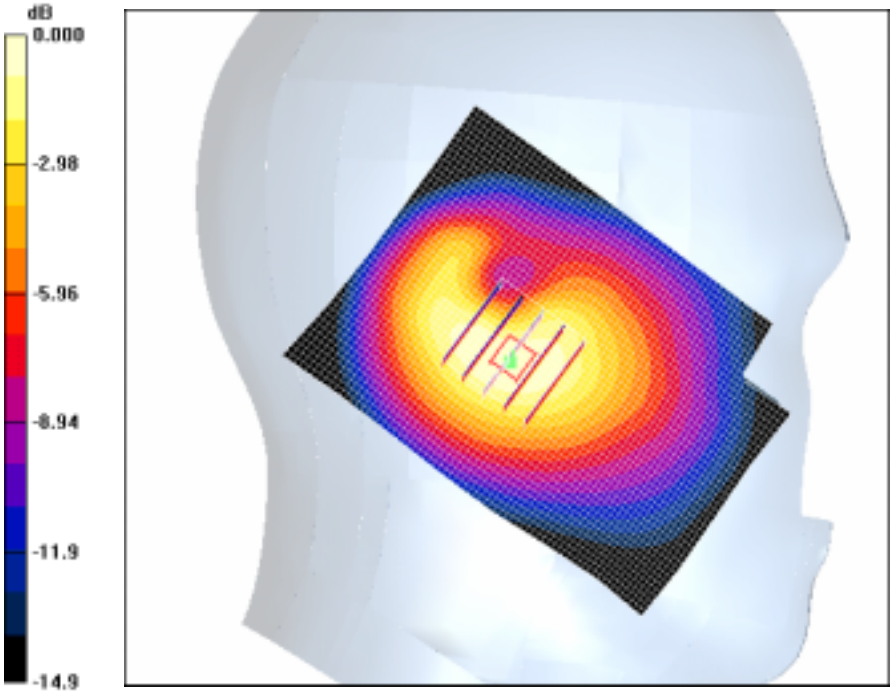


0 dB = 0.368mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 CDMA Left,Slide Down (Job No. : FD-153)
Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.316 mW/g

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.64 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 0.463 W/kg
SAR(1 g) = 0.286 mW/g
Maximum value of SAR (measured) = 0.312 mW/g

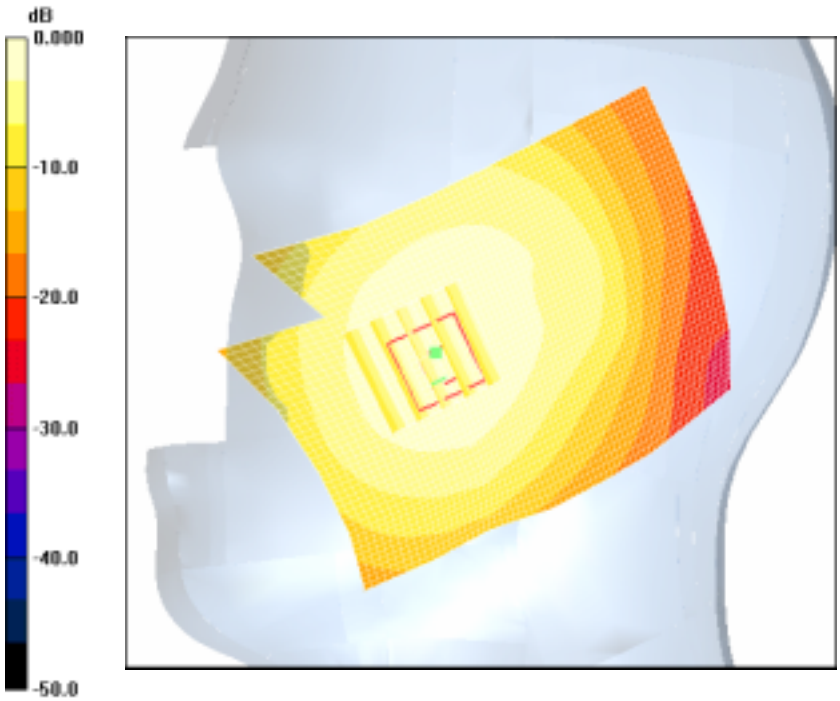


0 dB = 0.312mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503; Serial: FD-153-B
Program Name: SPH-A503 CDMA Right Slide Up(Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0777, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 0.991 W/kg
SAR(1 g) = 0.709 mW/g
Maximum value of SAR (measured) = 0.756 mW/g

Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.747 mW/g

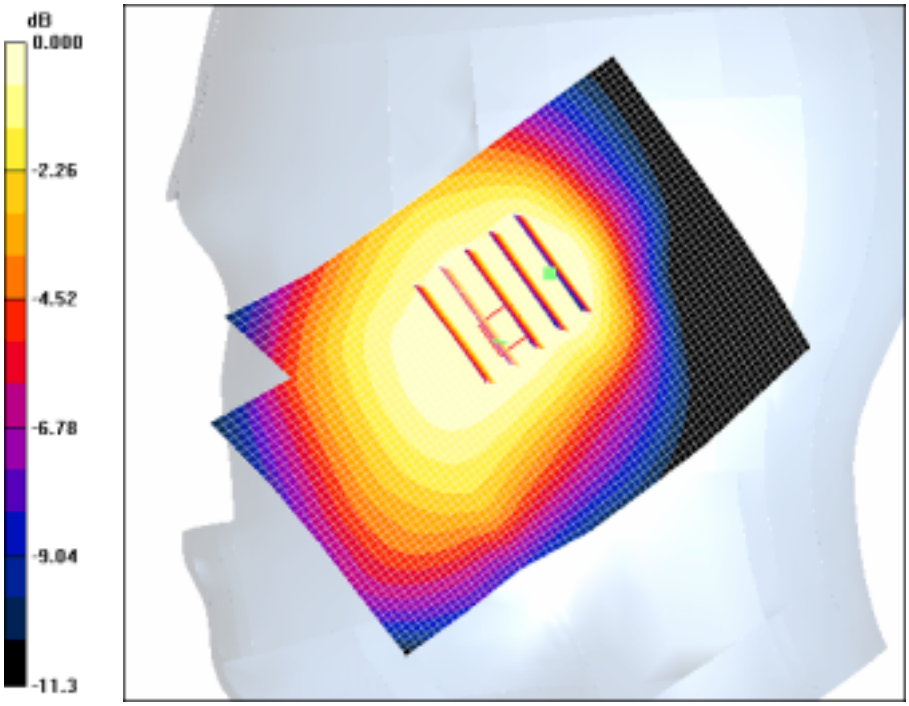


0 dB = 0.747mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503; Serial: FD-153-B
Program Name: SPH-A503 CDMA Right Slide Up(Job No. : FD-153)
Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.247 mW/g

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.2 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.243 W/kg
SAR(1 g) = 0.182 mW/g
Maximum value of SAR (measured) = 0.193 mW/g

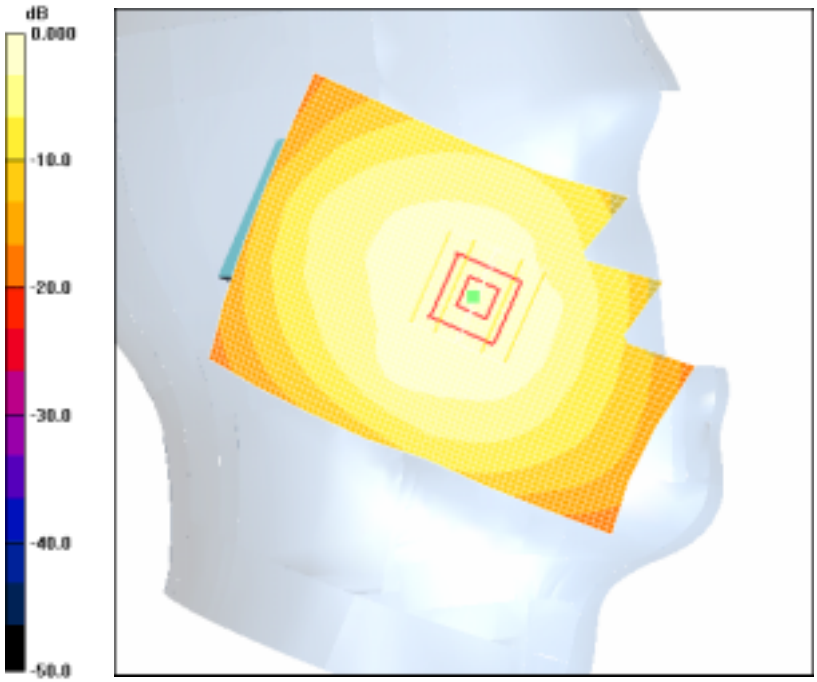


0 dB = 0.193mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 CDMA Left,Slide Down (Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0384, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = -0.098 dB
Peak SAR (extrapolated) = 0.701 W/kg
SAR(1 g) = 0.501 mW/g
Maximum value of SAR (measured) = 0.551 mW/g

Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.581 mW/g

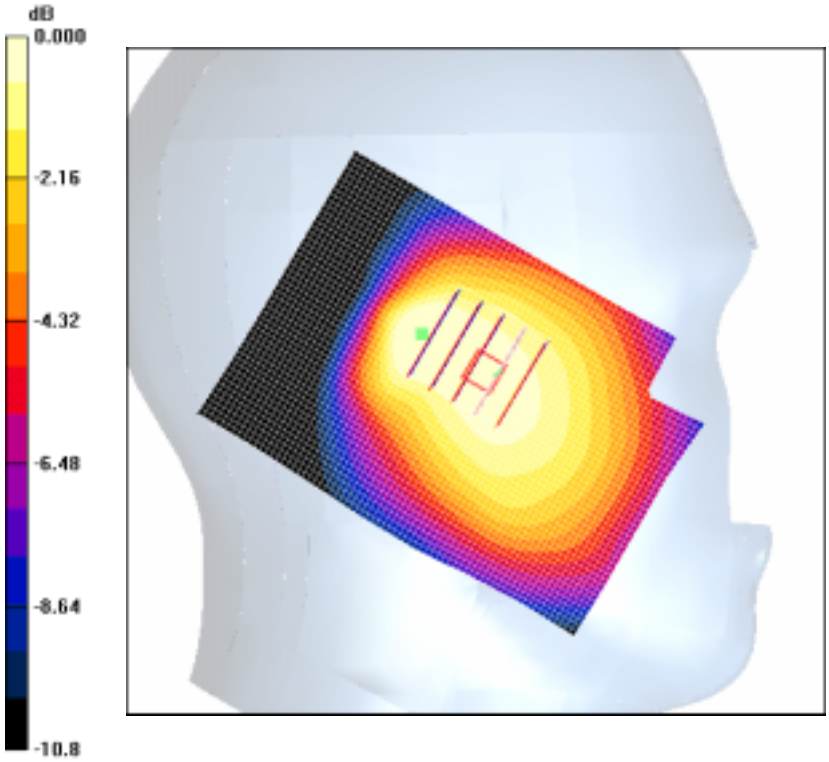


0 dB = 0.581mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 CDMA Left,Slide Down (Job No. : FD-153)
Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard 2 2
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0384, Intenna, Bat. Standard 2 2/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.288 mW/g

Ear/Tilt, Ch.0384, Intenna, Bat. Standard 2 2/Zoom Scan 2 (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.2 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.297 W/kg
SAR(1 g) = 0.221 mW/g
Maximum value of SAR (measured) = 0.233 mW/g

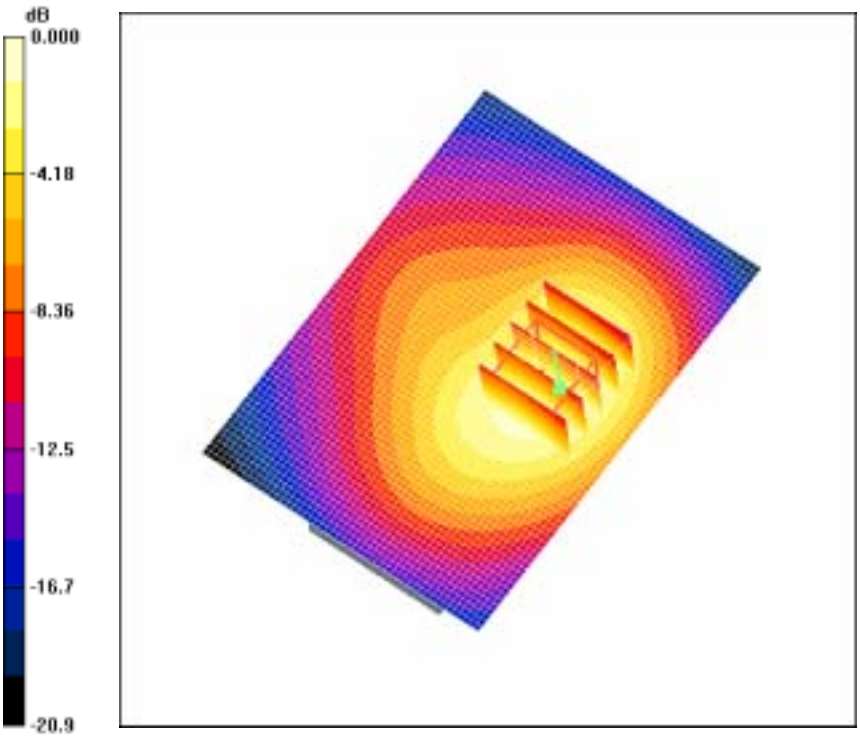


0 dB = 0.233mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Body SAR
DUT: SPH-A503(Body); Serial: FD-153-B
Program Name: SPH-A503 CDMA Body (Job No. : FD-153)
Procedure Name: Body, Ch. 0777, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.2Test Date-24/Aug/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 = 1 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch. 0777, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.823 W/kg
SAR(1 g) = 0.558 mW/g
Maximum value of SAR (measured) = 0.600 mW/g

Body, Ch. 0777, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.611 mW/g

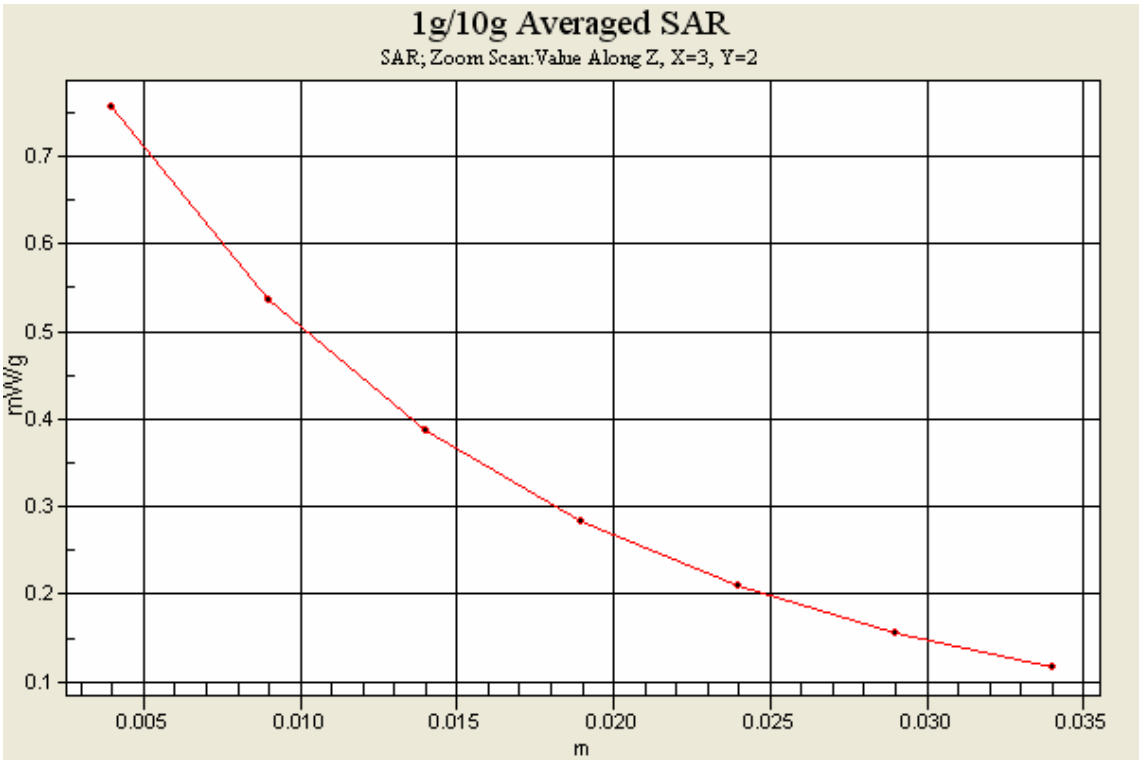


0 dB = 0.611mW/g

SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Head SAR
DUT: SPH-A503; Serial: FD-153-B
Program Name: SPH-A503 CDMA Right Slide Up(Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0777, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.5;Test Date-24/Aug/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 = 0.9 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 0.991 W/kg
SAR(1 g) = 0.709 mW/g
Maximum value of SAR (measured) = 0.756 mW/g

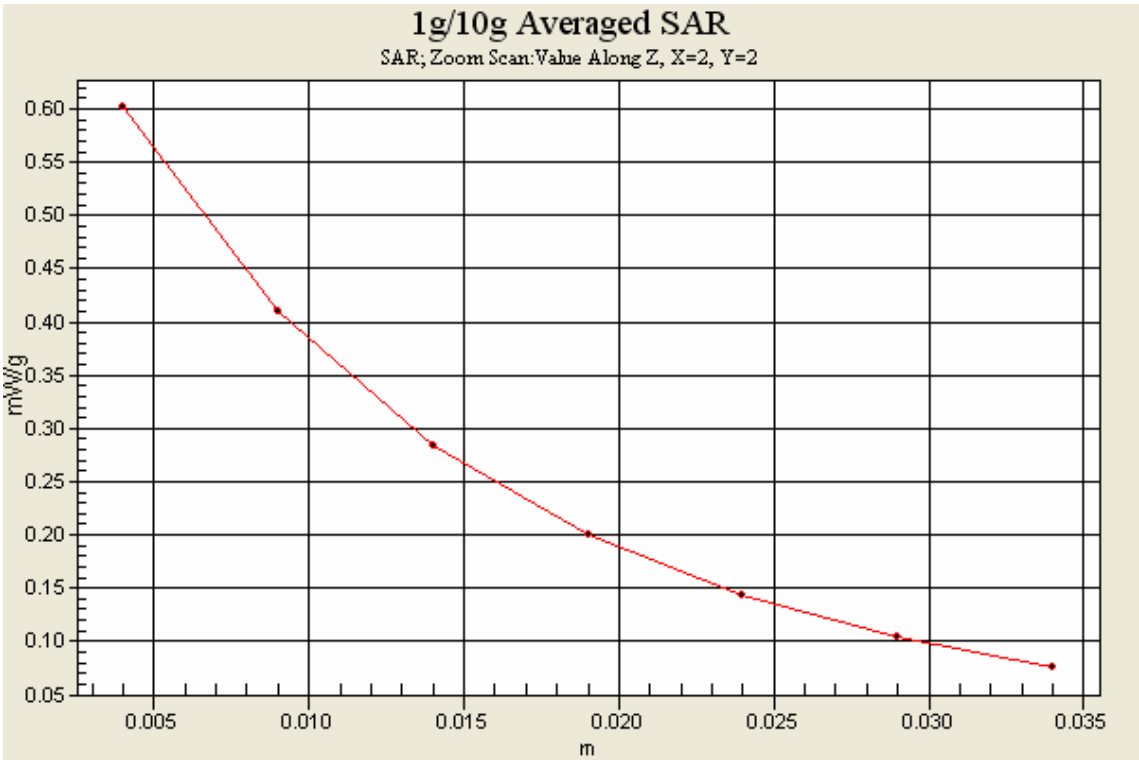
Cheek/Touch, Ch.0777, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.747 mW/g



SAMSUNG FCC ID : A3LSPHA503 835MHz CDMA Body SAR
DUT: SPH-A503(Body); Serial: FD-153-B
Program Name: SPH-A503 CDMA Body (Job No. : FD-153)
Procedure Name: Body, Ch. 0777, Ant. Intenna, Bat. Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.2Test Date-24/Aug/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 = 1 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch. 0777, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.823 W/kg
SAR(1 g) = 0.558 mW/g
Maximum value of SAR (measured) = 0.600 mW/g

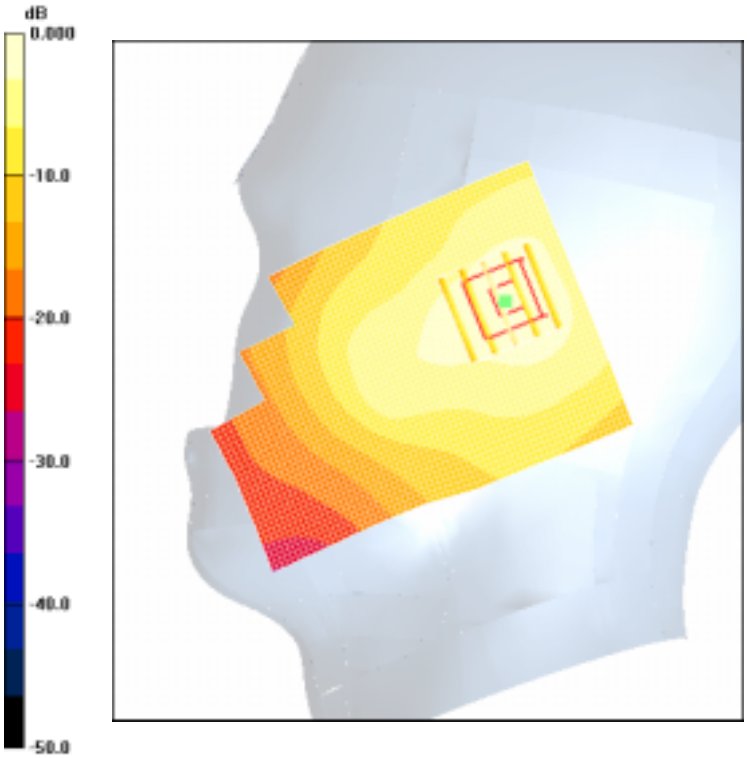
Body, Ch. 0777, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.611 mW/g



SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 PCS Right Slide Down (Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0600, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.333 mW/g
Maximum value of SAR (measured) = 0.353 mW/g

Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.363 mW/g

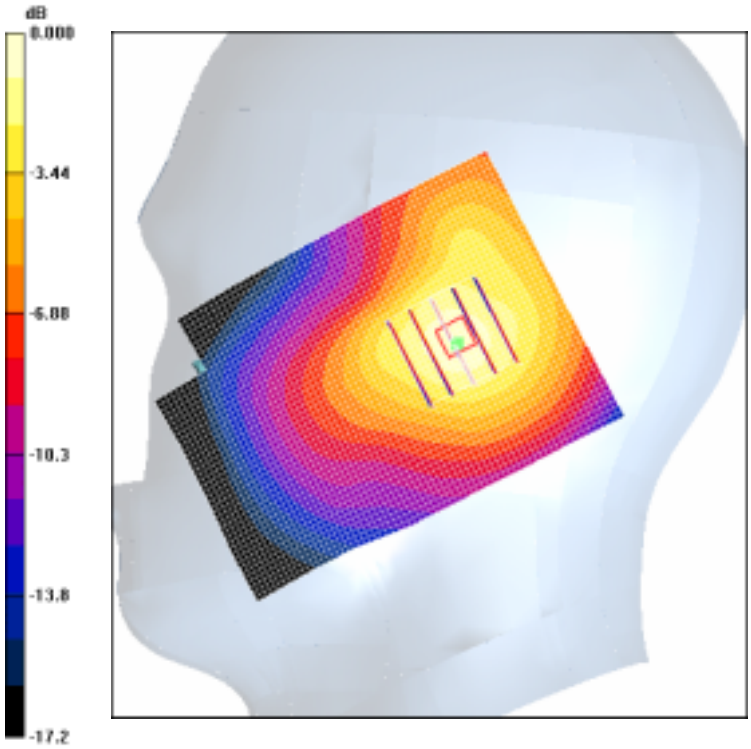


0 dB = 0.363mW/g

SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 PCS Right Slide Down (Job No. : FD-153)
Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.256 mW/g

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.366 W/kg
SAR(1 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.279 mW/g



0 dB = 0.279mW/g

SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 PCS Left Slide Down (Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.82 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.476 W/kg
SAR(1 g) = 0.357 mW/g
Maximum value of SAR (measured) = 0.385 mW/g

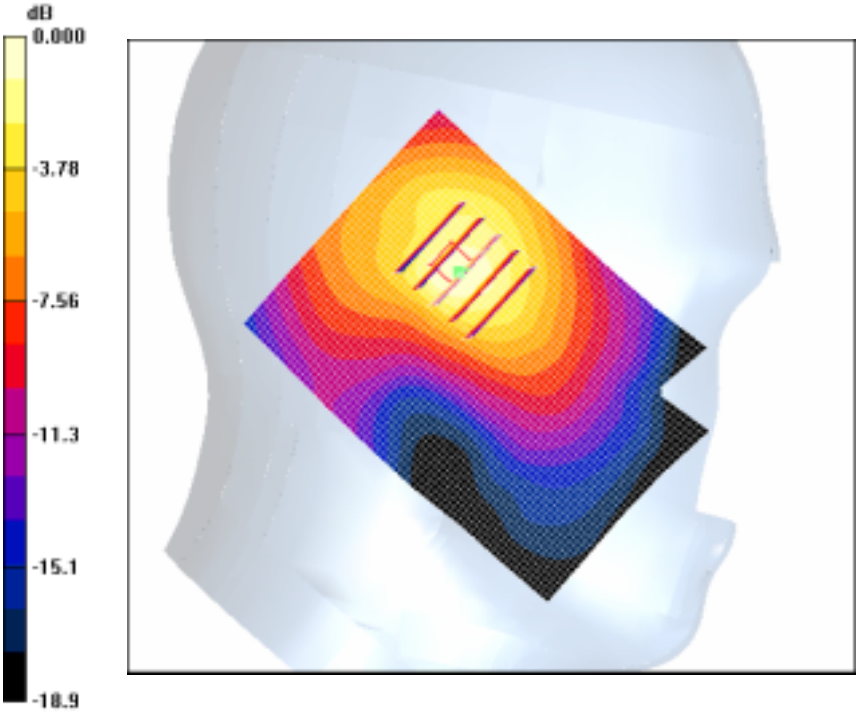
Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.413 mW/g

0 dB = 0.413mW/g

SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Head SAR
DUT: SPH-A503(Down); Serial: FD-153-B
Program Name: SPH-A503 PCS Left Slide Down (Job No. : FD-153)
Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.358 mW/g

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.64 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 0.465 W/kg
SAR(1 g) = 0.319 mW/g
Maximum value of SAR (measured) = 0.341 mW/g

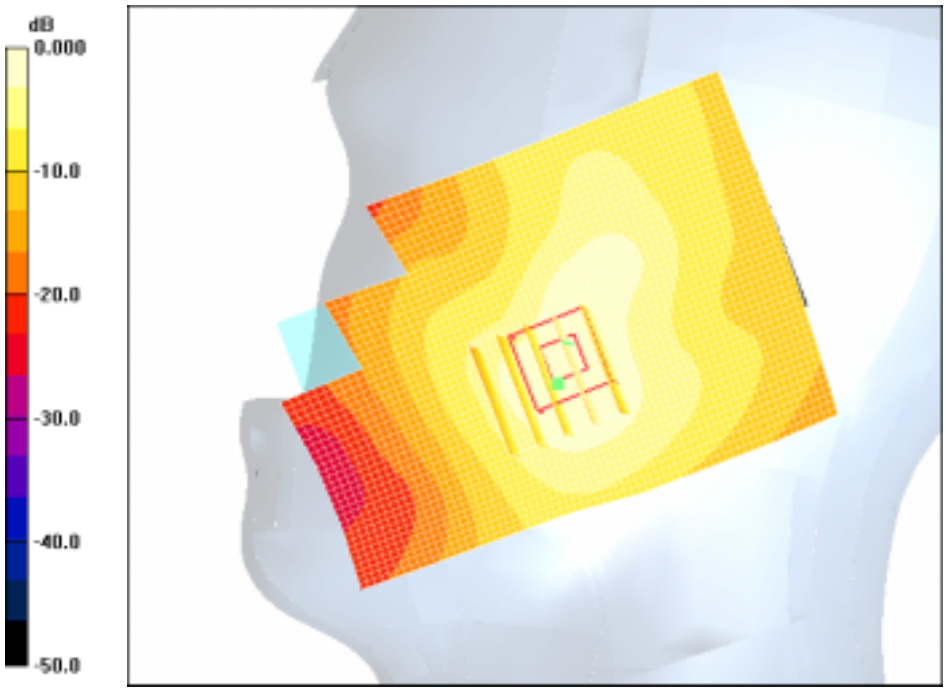


0 dB = 0.341mW/g

SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Head SAR
DUT: SPH-A503(Up); Serial: FD-153-B
Program Name: SPH-A503 PCS Right Slide Up (Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0600, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = -0.133 dB
Peak SAR (extrapolated) = 0.572 W/kg
SAR(1 g) = 0.378 mW/g
Maximum value of SAR (measured) = 0.410 mW/g

Cheek/Touch, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.372 mW/g

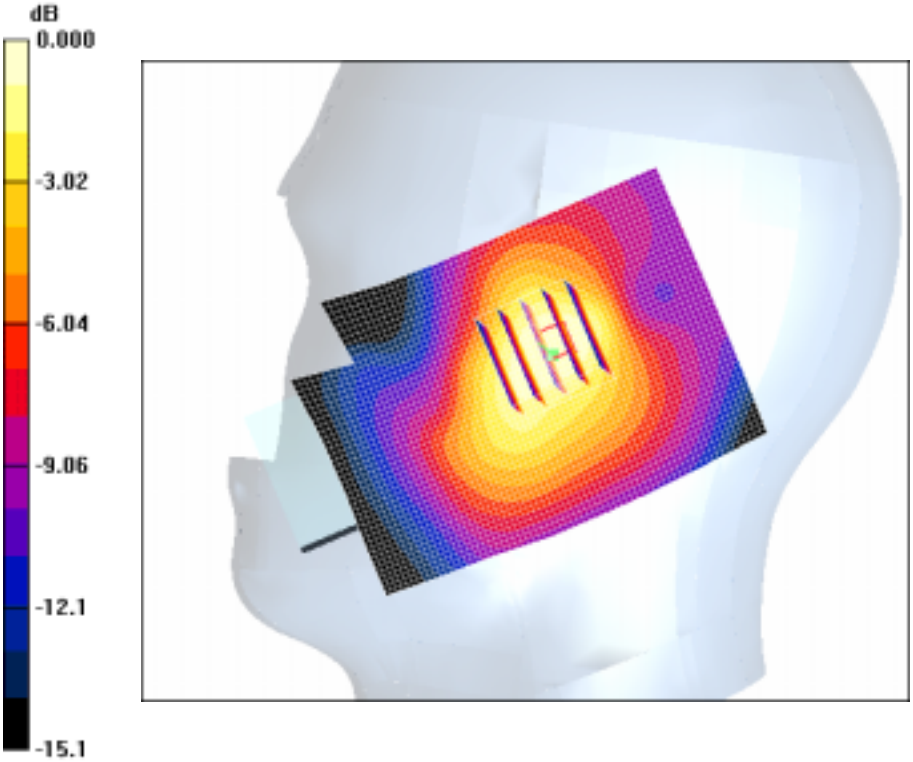


0 dB = 0.372mW/g

SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Head SAR
DUT: SPH-A503(Up); Serial: FD-153-B
Program Name: SPH-A503 PCS Right Slide Up (Job No. : FD-153)
Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.211 mW/g

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.69 V/m; Power Drift = 0.070 dB
Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.188 mW/g
Maximum value of SAR (measured) = 0.200 mW/g

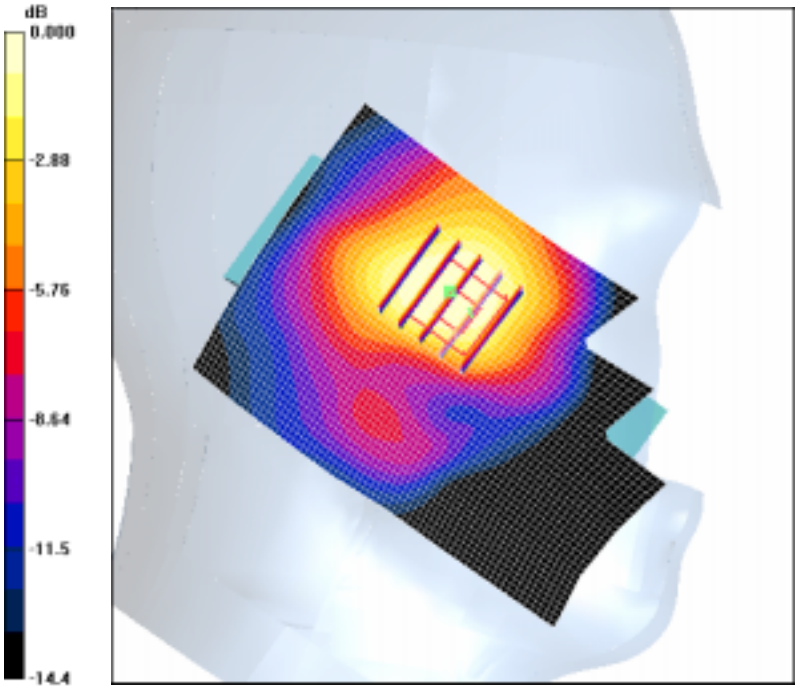


0 dB = 0.200mW/g

SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Head SAR
DUT: SPH-A503(Up); Serial: FD-153-B
Program Name: SPH-A503 PCS Left Slide Up (Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.528 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.76 V/m; Power Drift = -0.143 dB
Peak SAR (extrapolated) = 0.552 W/kg
SAR(1 g) = 0.408 mW/g
Maximum value of SAR (measured) = 0.440 mW/g

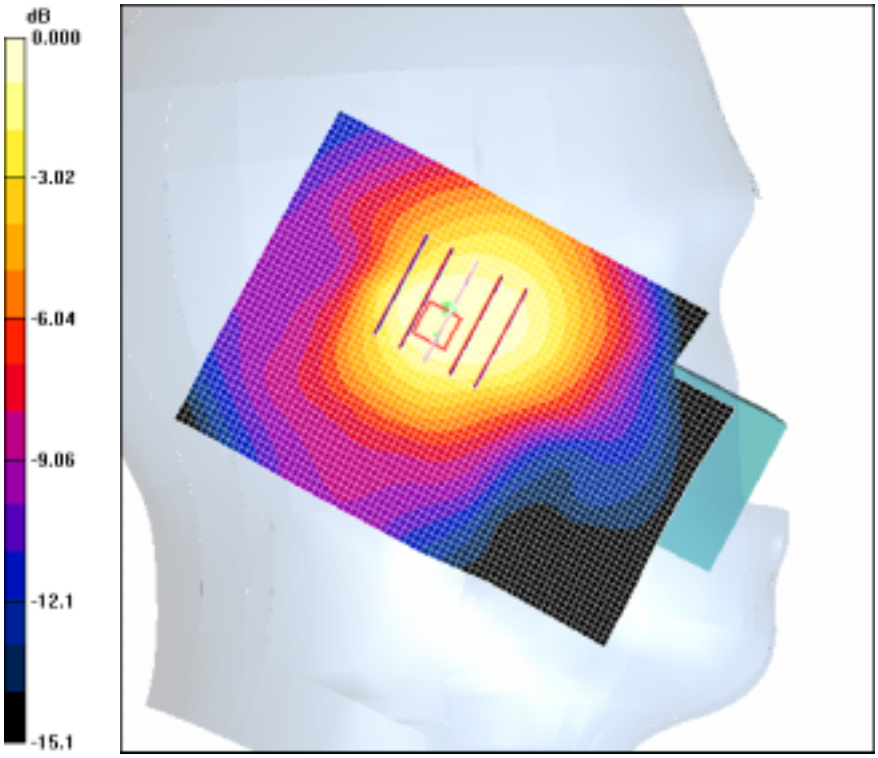


0 dB = 0.440mW/g

SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Head SAR
DUT: SPH-A503(Up); Serial: FD-153-B
Program Name: SPH-A503 PCS Left Slide Up (Job No. : FD-153)
Procedure Name: Ear/Tilt, Ch.0600, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.227 mW/g

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.80 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.201 mW/g
Maximum value of SAR (measured) = 0.213 mW/g

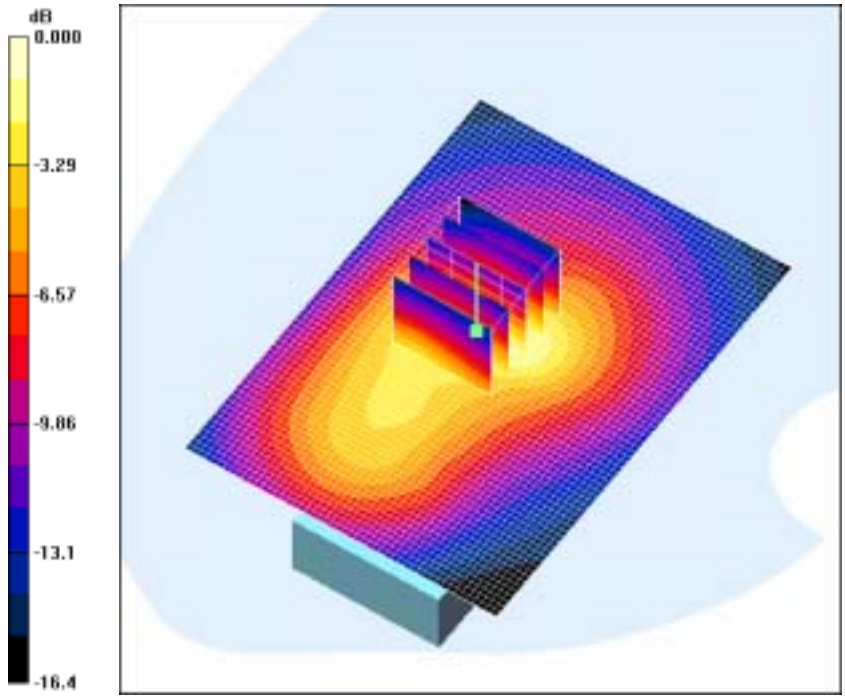


0 dB = 0.213mW/g

SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Body SAR
DUT: SPH-A503(Body); Serial: FD-153-B
Program Name: SPH-A503 PCS Body (Job No. : FD-153)
Procedure Name: Body, Ch. 1175, Ant. Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22;Test Date-25/Aug/2006OET Bulletin 65-Supplement C, July 2001]
Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908.75 MHz; σ = 1.51 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.5, 4.5, 4.5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch. 1175, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.811 mW/g

Body, Ch. 1175, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = -0.157 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.725 mW/g
Maximum value of SAR (measured) = 0.805 mW/g

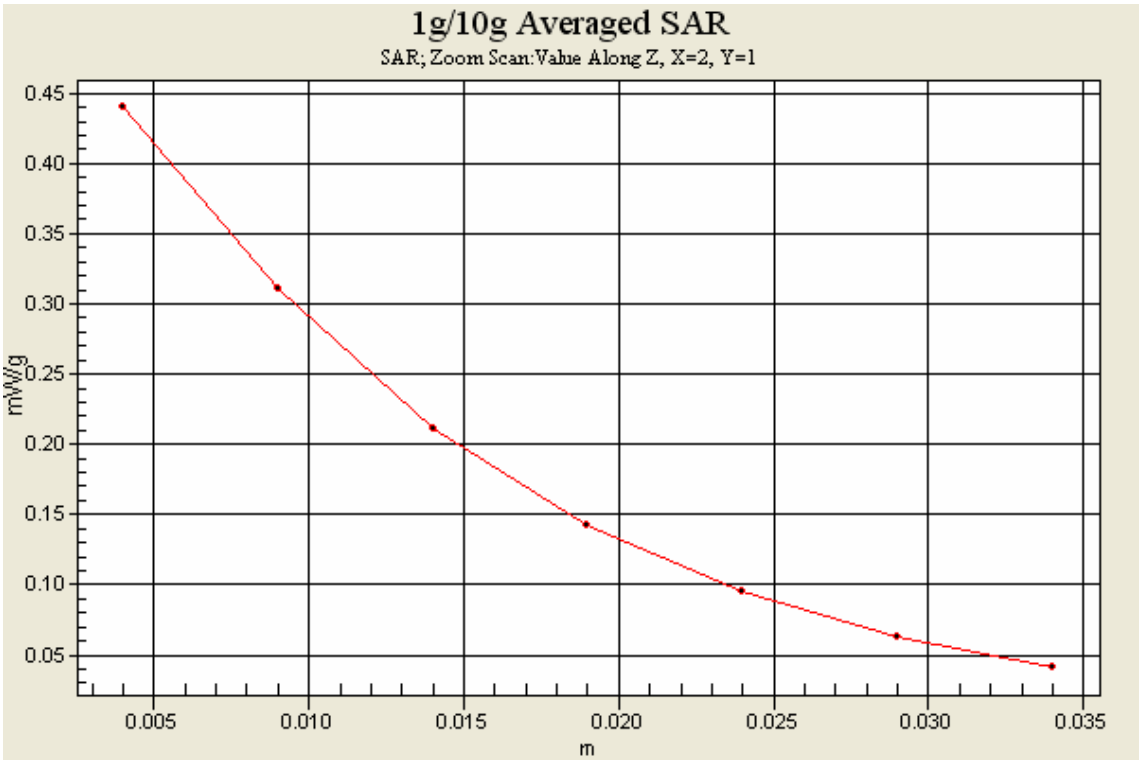


0 dB = 0.805mW/g

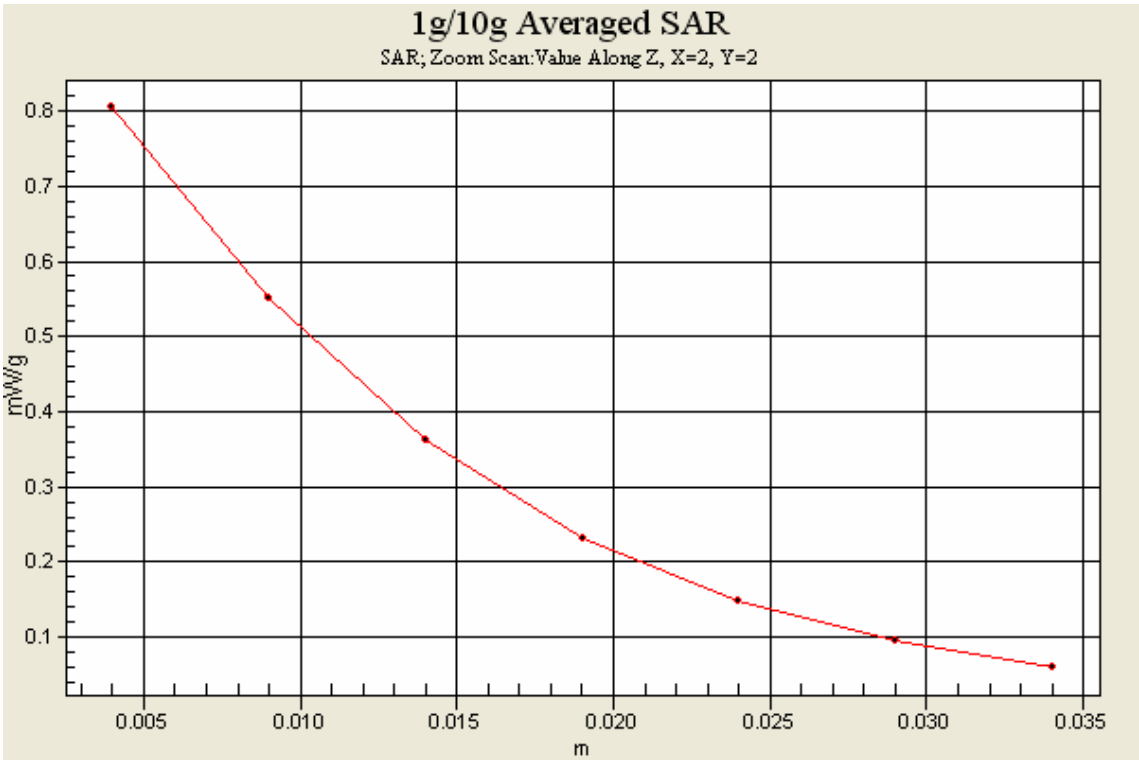
SAMSUNG FCC ID : A3LSPHA503 1900MHz CDMA Head SAR
DUT: SPH-A503(Up); Serial: FD-153-B
Program Name: SPH-A503 PCS Left Slide Up (Job No. : FD-153)
Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1;Test Date-25/Aug/2006[OET 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 = 1.4 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.528 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.76 V/m; Power Drift = -0.143 dB
Peak SAR (extrapolated) = 0.552 W/kg
**SAR(1 g) = 0.408 mW/g **
Maximum value of SAR (measured) = 0.440 mW/g



SAMSUNG FCC ID : A3LSPHA503 1900MHz PCS Body SAR
DUT: SPH-A503(Body); Serial: FD-153-B
Program Name: SPH-A503 PCS Body (Job No. : FD-153)
Procedure Name: Body, Ch. 1175, Ant. Intenna, Bat. Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22;Test Date-25/Aug/2006OET Bulletin 65-Supplement C, July 2001]
Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908.75 MHz; σ = 1.51 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3080; ConvF(4.5, 4.5, 4.5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch. 1175, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.811 mW/g

Body, Ch. 1175, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = -0.157 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.725 mW/g
Maximum value of SAR (measured) = 0.805 mW/g