Date/Time: 11/23/04 16:49:35

Test Laboratory: ESTECH

LG-MX4170 - CH 1013 LEFT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 824.7 MHz; σ = 0.864 mho/m; ε_r = 42.7; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

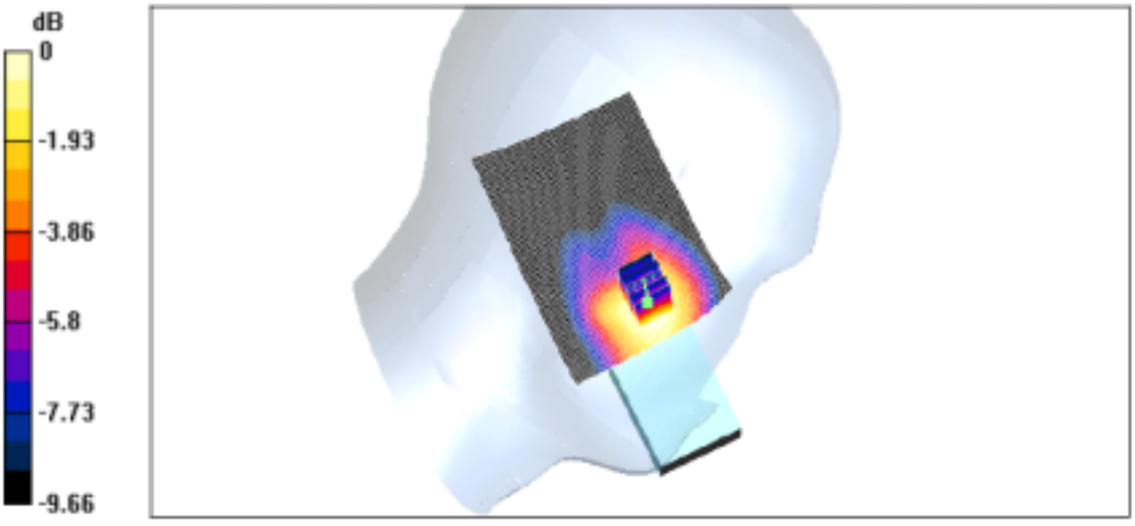
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.289 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.37 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 0.408 W/kg
SAR(1 g) = 0.264 mW/g
Maximum value of SAR (measured) = 0.281 mW/g



0 dB = 0.281mW/g

Date/Time: 11/23/04 13:07:32

Test Laboratory: ESTECH

LG-MX4170 - CH 363 LEFT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 835.89 MHz; σ = 0.873 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

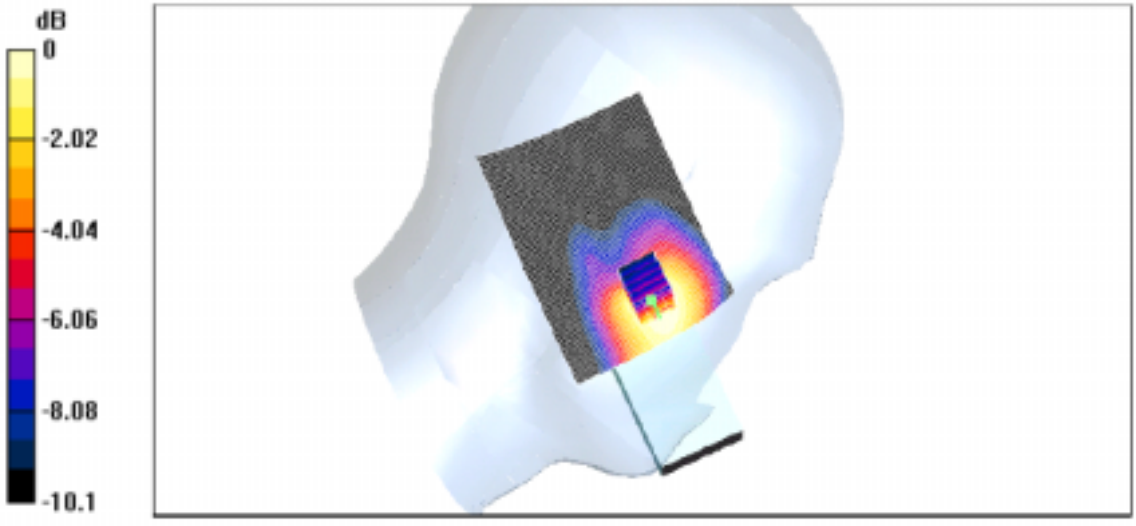
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.689 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.57 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.947 W/kg
SAR(1 g) = 0.583 mW/g
Maximum value of SAR (measured) = 0.620 mW/g



Date/Time: 11/23/04 18:01:10

Test Laboratory: ESTECH

LG-MX4170 - CH 777 LEFT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.885 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

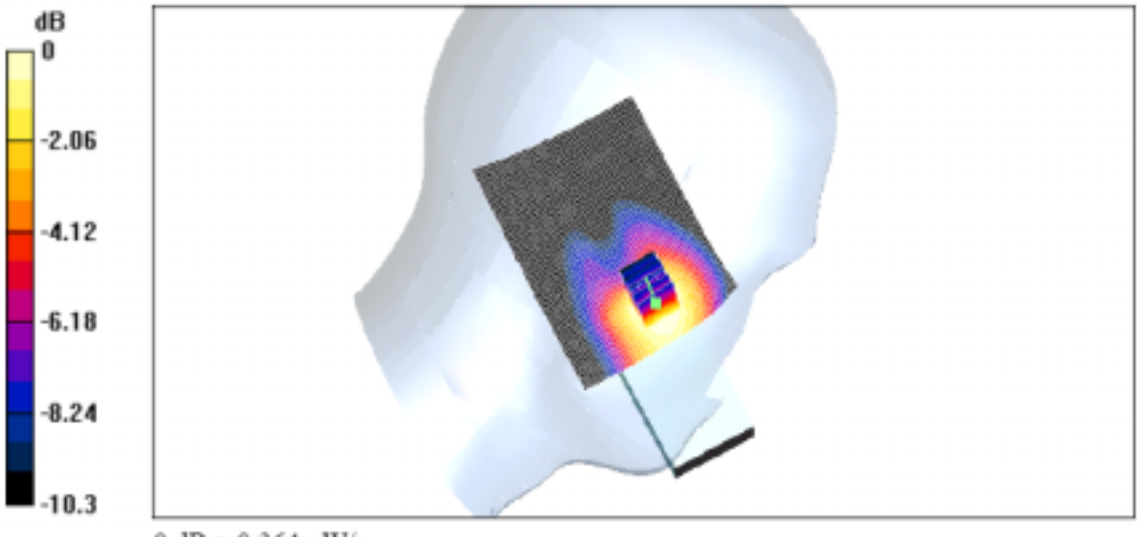
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.403 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.55 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.343 mW/g
Maximum value of SAR (measured) = 0.364 mW/g



0 dB = 0.364mW/g

Date/Time: 11/23/04 16:49:58

Test Laboratory: ESTECH

LG-MX4170 - CH 1013 RIGHT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 824.7 MHz; σ = 0.864 mho/m; ε_r = 42.7; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

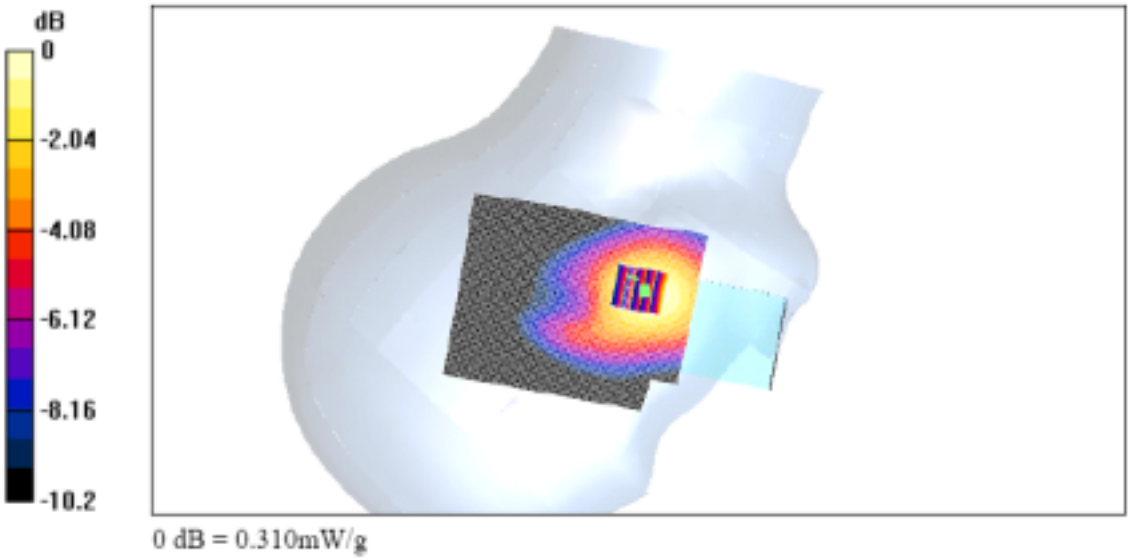
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.316 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.48 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.492 W/kg
SAR(1 g) = 0.283 mW/g
Maximum value of SAR (measured) = 0.310 mW/g



0 dB = 0.310mW/g

Date/Time: 11/23/04 14:18:15

Test Laboratory: ESTECH

LG-MX4170 - CH 363 RIGHT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 835.89 MHz; σ = 0.873 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

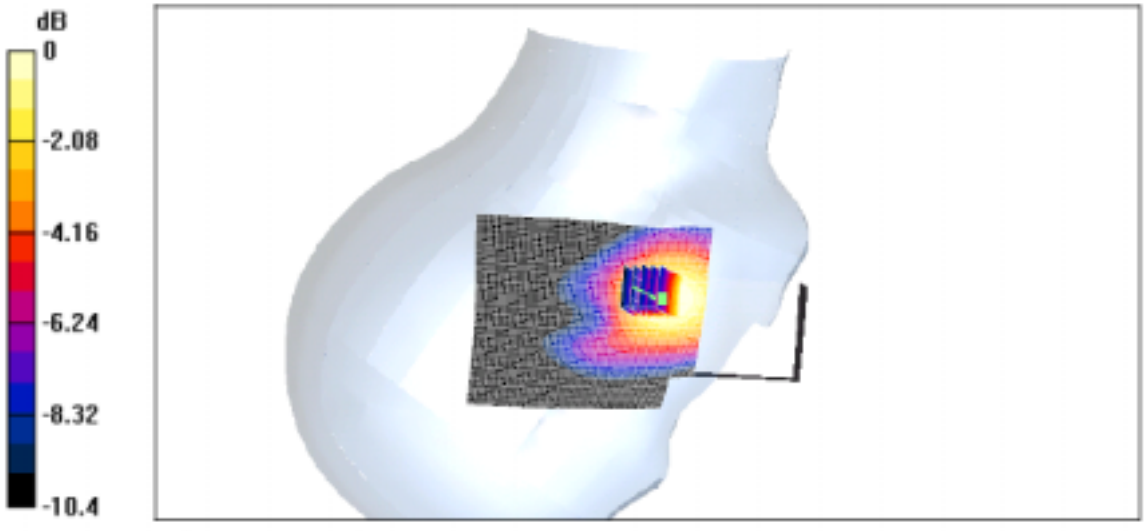
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.653 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.99 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.981 W/kg
SAR(1 g) = 0.561 mW/g
Maximum value of SAR (measured) = 0.614 mW/g



0 dB = 0.614mW/g

Date/Time: 11/23/04 18:49:41

Test Laboratory: ESTECH

LG-MX4170 - CH 777 RIGHT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.885 mho/m; ε_r = 42.4; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

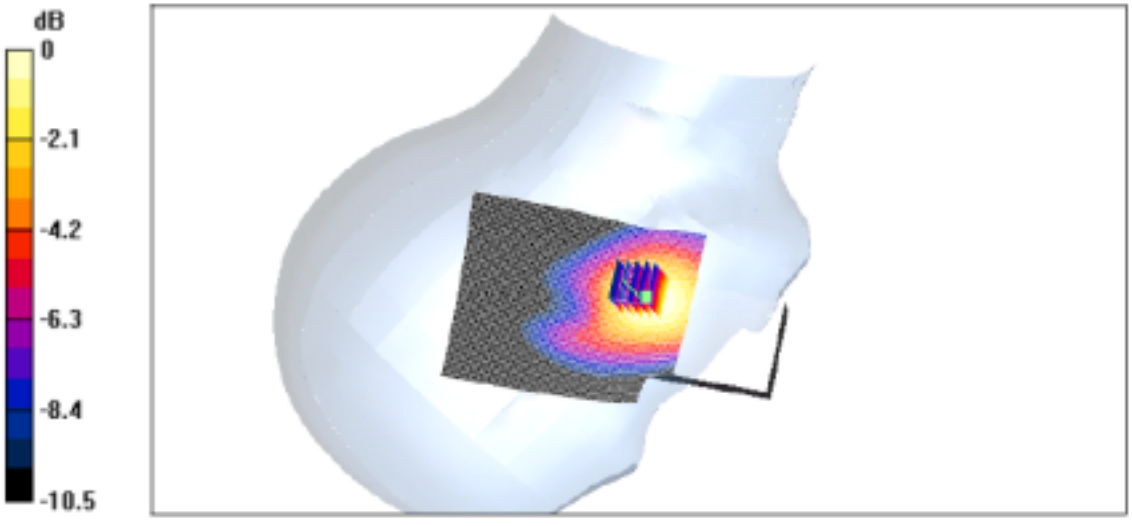
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.379 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.11 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 0.553 W/kg
SAR(1 g) = 0.329 mW/g
Maximum value of SAR (measured) = 0.361 mW/g



0 dB = 0.361mW/g

Date/Time: 11/23/04 15:17:22

Test Laboratory: ESTECH

LG-MX4170 - CH 363 LEFT TILT POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 835.89 MHz; σ = 0.873 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

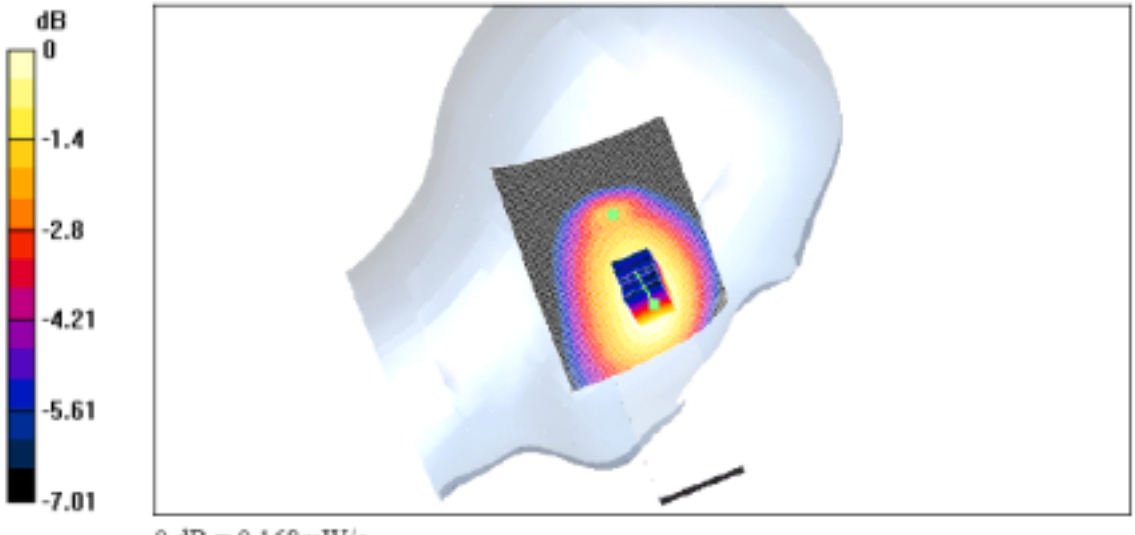
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.171 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.5 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 0.209 W/kg
SAR(1 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.168 mW/g



0 dB = 0.168mW/g

Date/Time: 11/23/04 15:36:42

Test Laboratory: ESTECH

LG-MX4170 - CH 363 RIGHT TILT POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 835.89 MHz; σ = 0.873 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

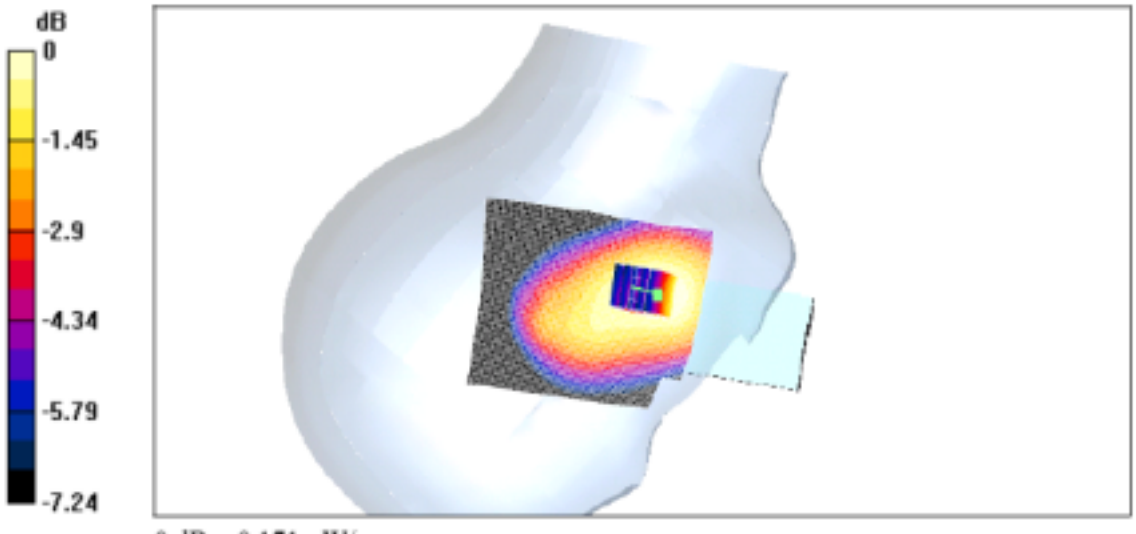
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.176 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.78 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 0.215 W/kg
SAR(1 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.171 mW/g



0 dB = 0.171mW/g

Date/Time: 11/23/04 21:00:21

Test Laboratory: ESTECH

LG-MX4170 - CH 363 LEFT TOUCH POSITION-Z SCAN

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: Head 900MHz Medium parameters used (interpolated): f = 835.89 MHz; σ = 0.873 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

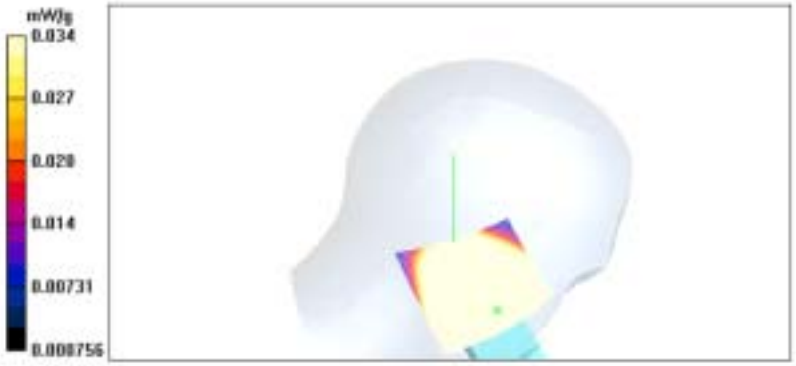
- Probe: ET3DV6 - SN1748; ConvF(6.35, 6.35, 6.35); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 22℃ ; Humidity : 30%

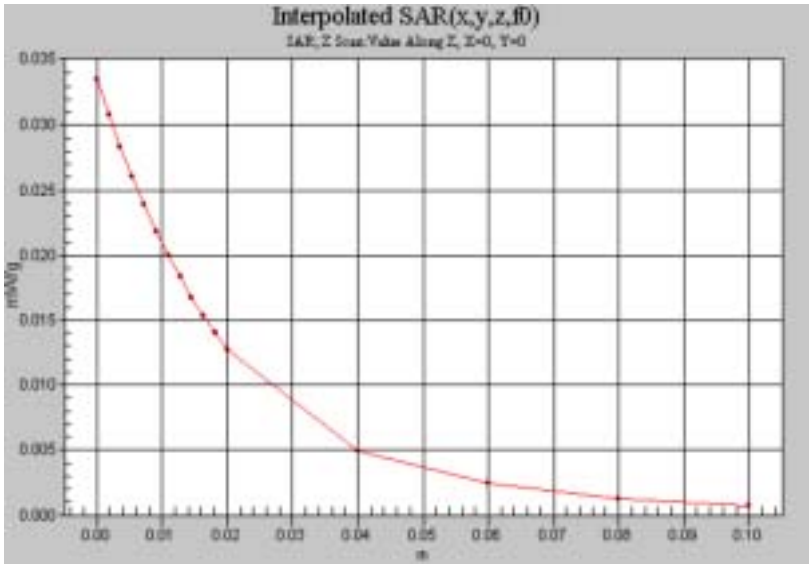
Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.733 mW/g

Unnamed procedure/Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.034 mW/g





Date/Time: 11/25/04 11:26:14

Test Laboratory: ESTECH

LG-MX4170 - CH 1013 BODY SAR

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: M900 Medium parameters used (interpolated): f = 824.7 MHz; σ = 0.953 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

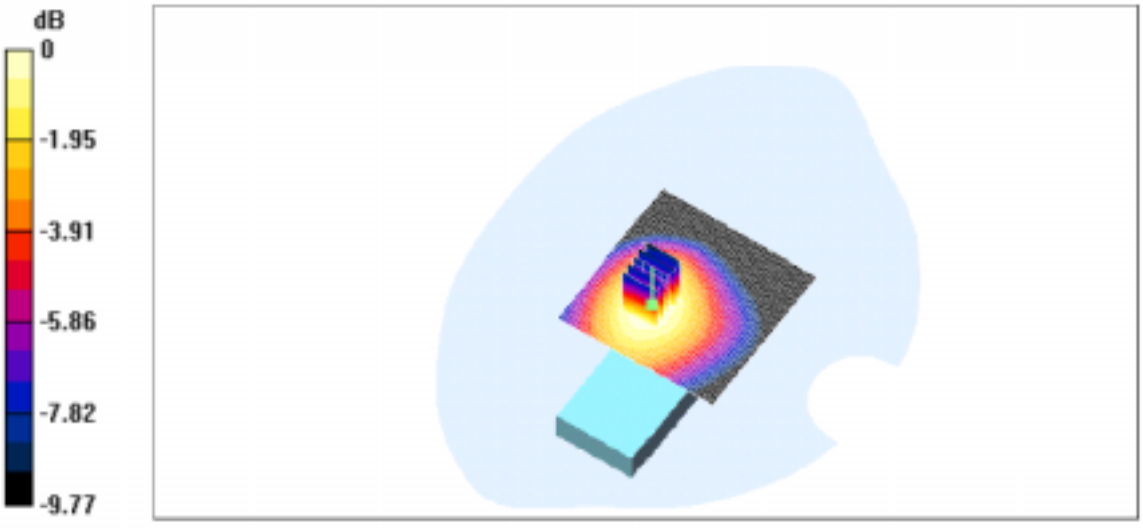
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.22, 6.22, 6.22); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.172 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.222 W/kg
SAR(1 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.167 mW/g



0 dB = 0.167mW/g

Date/Time: 11/25/04 10:57:08

Test Laboratory: ESTECH

LG-MX4170 - CH 363 BODY SAR

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: M900 Medium parameters used (interpolated): f = 835.89 MHz; σ = 0.966 mho/m; ε_r = 55;
ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

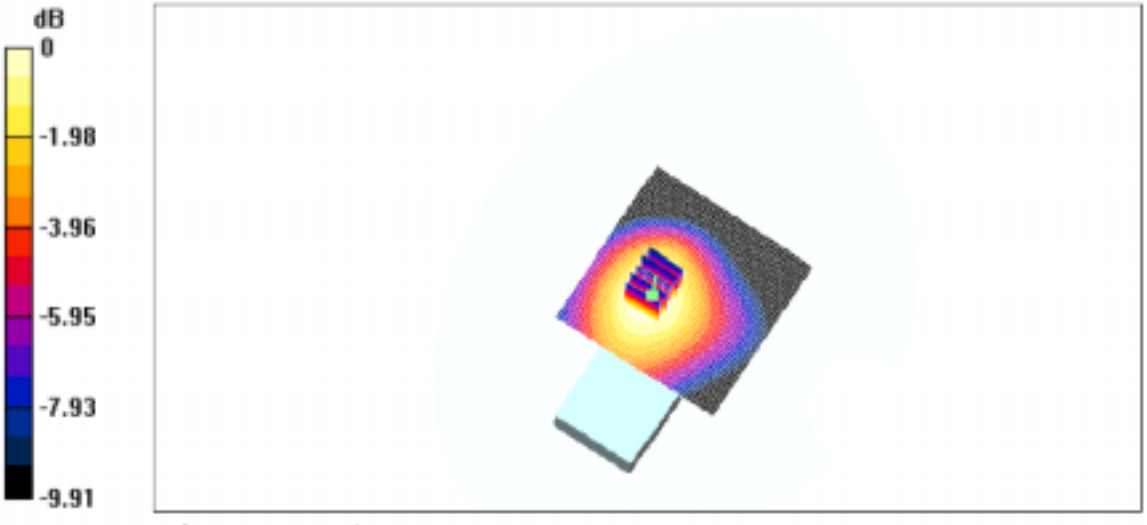
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.22, 6.22, 6.22); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 31%

Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.380 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 0.490 W/kg
SAR(1 g) = 0.347 mW/g
Maximum value of SAR (measured) = 0.371 mW/g



0 dB = 0.371mW/g

Date/Time: 11/25/04 11:47:44

Test Laboratory: ESTECH

LG-MX4170 - CH 777 BODY SAR

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: M900 Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.976 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

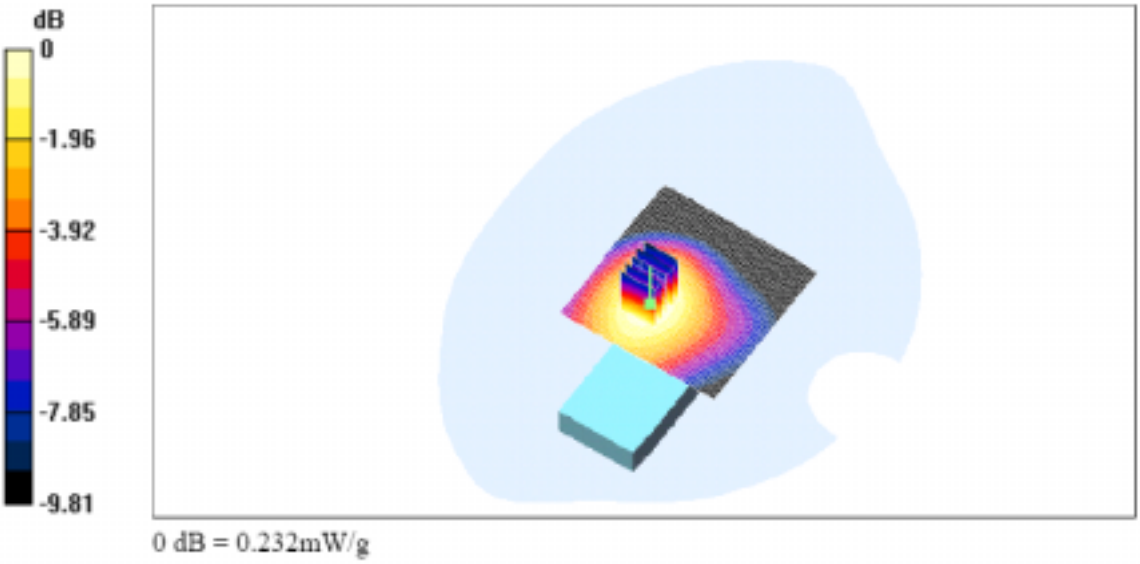
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.22, 6.22, 6.22); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 31%

Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.238 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.301 W/kg
SAR(1 g) = 0.216 mW/g
Maximum value of SAR (measured) = 0.232 mW/g



0 dB = 0.232mW/g

Date/Time: 11/25/04 14:25:14

Test Laboratory: ESTECH

LG-MX4170 - CH 363 BODY SAR-Z SCAN

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: CDMA FCC; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: M900 Medium parameters used (interpolated): f = 835.89 MHz; σ = 0.966 mho/m; ϵ_r = 55; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

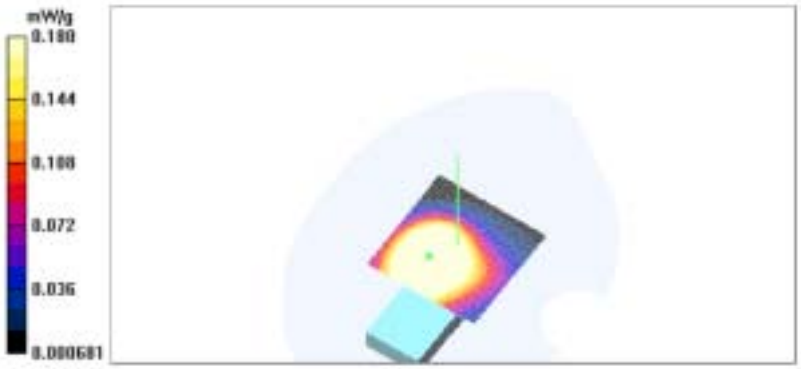
- Probe: ET3DV6 - SN1748; ConvF(6.22, 6.22, 6.22); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 31%

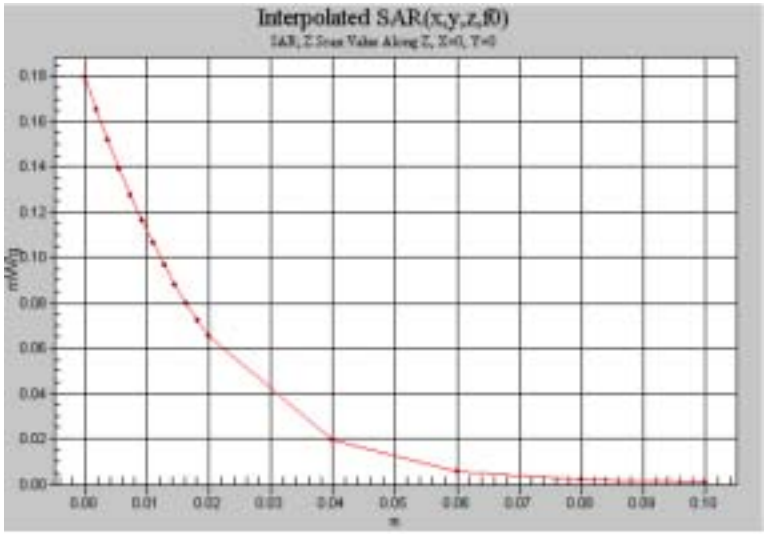
Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.387 mW/g

Unnamed procedure/Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.180 mW/g





Date/Time: 11/24/04 21:33:56

Test Laboratory: ESTECH

LG-MX4170 - CH 25 LEFT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.41 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

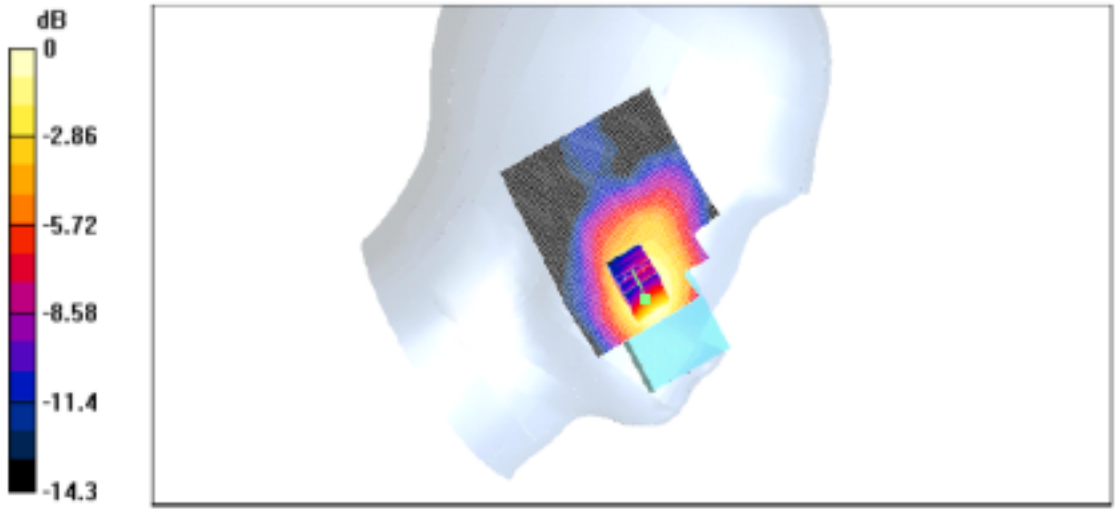
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 1.3 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.24 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 1.16 mW/g
Maximum value of SAR (measured) = 1.24 mW/g



Date/Time: 11/24/04 20:48:58

Test Laboratory: ESTECH

LG-MX4170 - CH 600 LEFT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

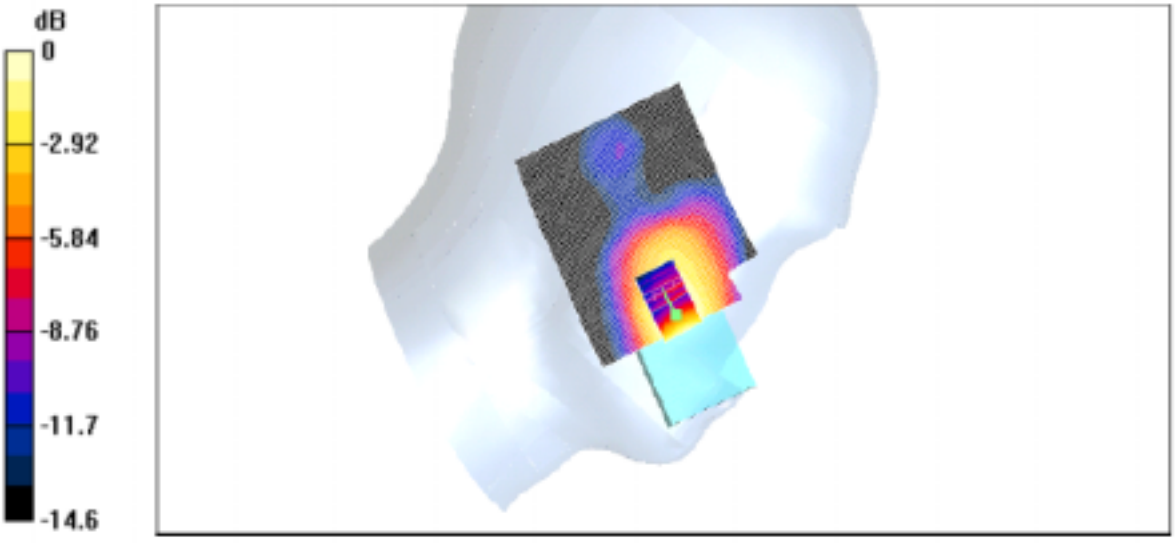
Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used: f = 1880 MHz; σ = 1.44 mho/m; ε_r = 38.9; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 31%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.56 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.5 W/kg
SAR(1 g) = 1.02 mW/g
Maximum value of SAR (measured) = 1.1 mW/g



0 dB = 1.1mW/g

Date/Time: 11/24/04 22:36:28

Test Laboratory: ESTECH

LG-MX4170 - CH 1175 LEFT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.47 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

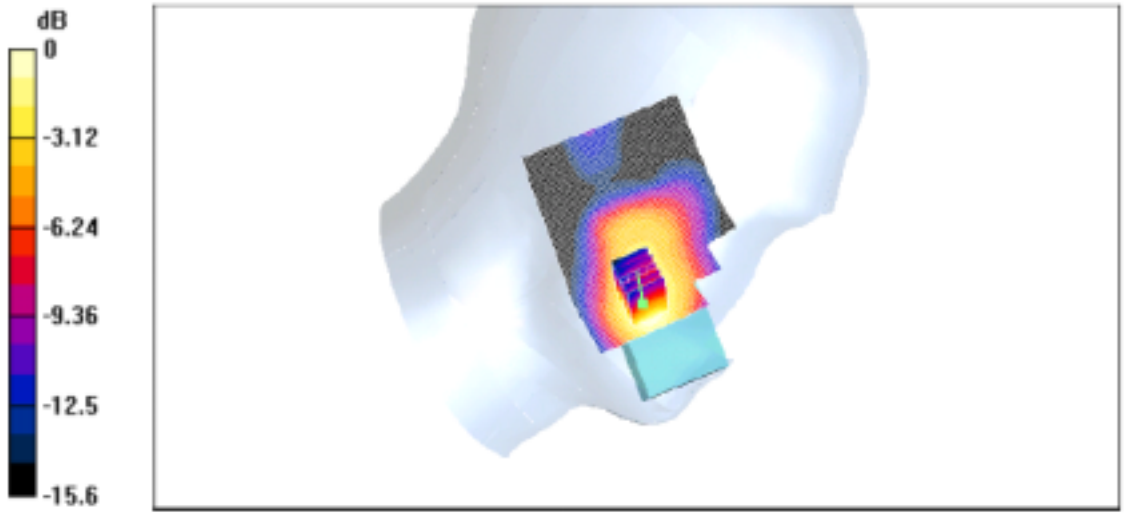
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 1.53 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.36 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 1.27 mW/g
Maximum value of SAR (measured) = 1.39 mW/g



Date/Time: 11/24/04 21:51:32

Test Laboratory: ESTECH

LG-MX4170 - CH 25 RIGHT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.41 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

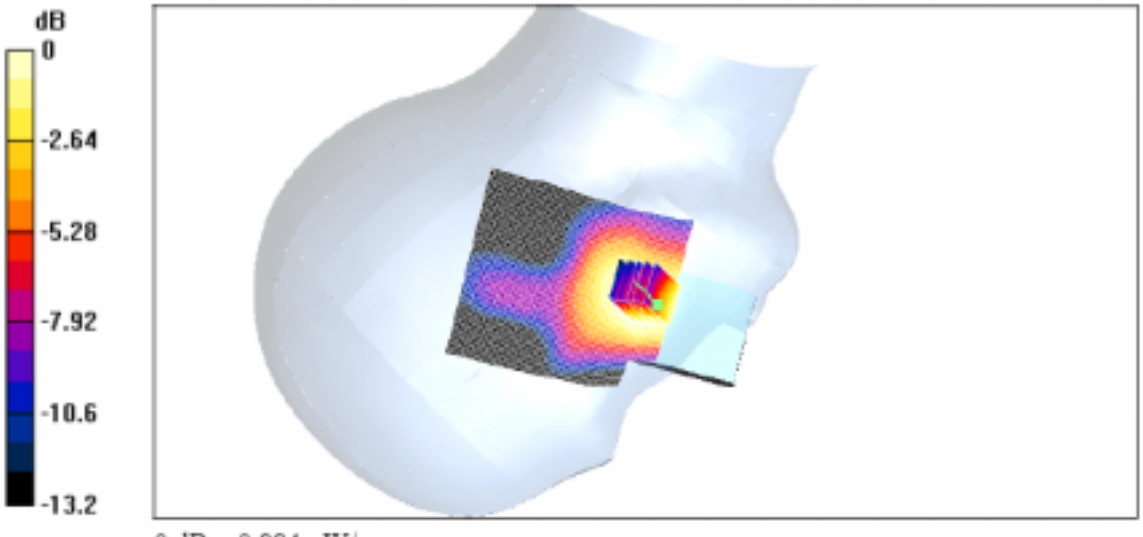
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23 ℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.861 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.94 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 1.1 W/kg
SAR(1 g) = 0.828 mW/g
Maximum value of SAR (measured) = 0.884 mW/g



0 dB = 0.884mW/g

Date/Time: 11/24/04 21:06:21

Test Laboratory: ESTECH

LG-MX4170 - CH 600 RIGHT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

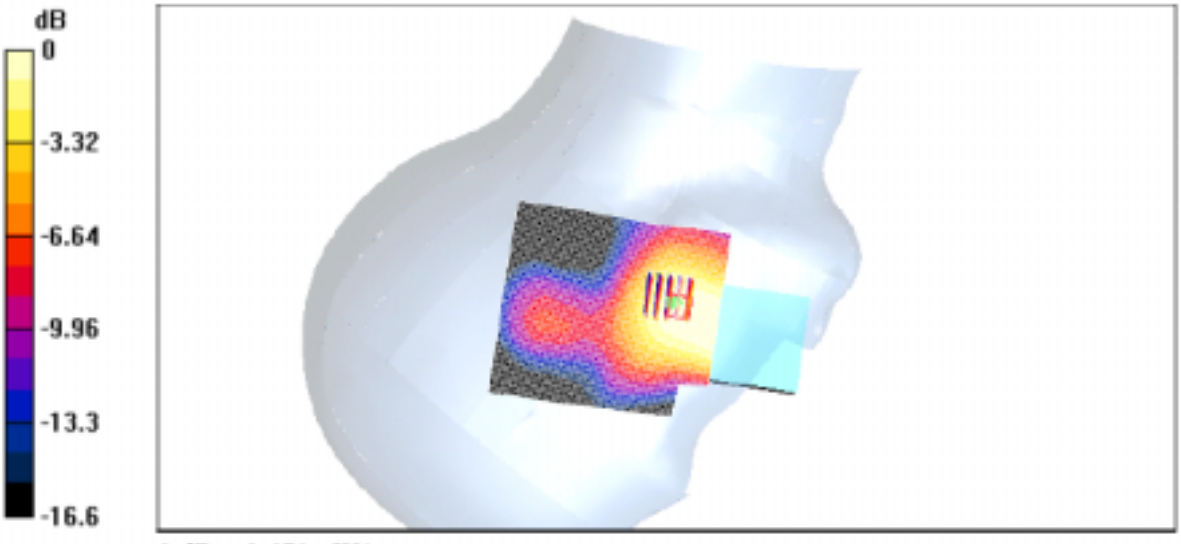
Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used: f = 1880 MHz; σ = 1.44 mho/m; ε_r = 38.9; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.681 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.65 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.613 mW/g
Maximum value of SAR (measured) = 0.670 mW/g



0 dB = 0.670mW/g

Date/Time: 11/24/04 22:55:07

Test Laboratory: ESTECH

LG-MX4170 - CH 1175 RIGHT TOUCH POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.47 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

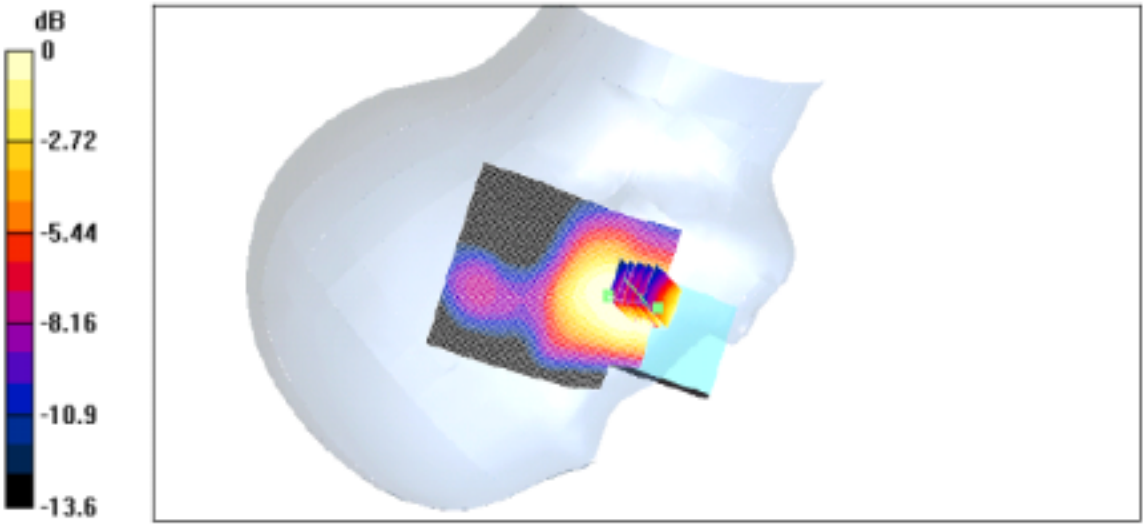
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 32%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.849 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.94 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.795 mW/g
Maximum value of SAR (measured) = 0.849 mW/g



0 dB = 0.849mW/g

Date/Time: 11/24/04 23:51:13

Test Laboratory: ESTECH

LG-MX4170 - CH 1175 LEFT TILT POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.47 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

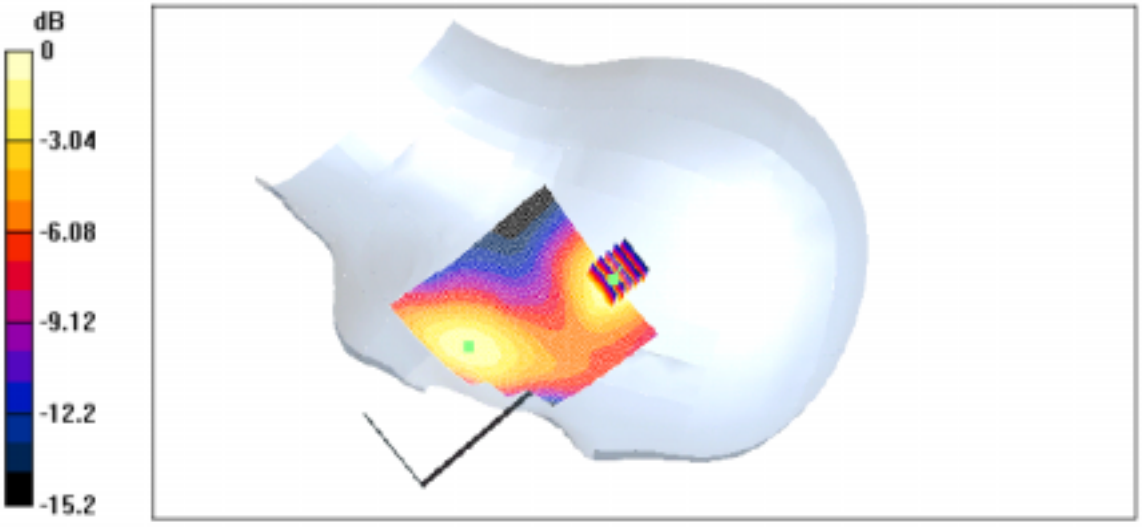
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.185 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.33 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.236 W/kg
SAR(1 g) = 0.154 mW/g
Maximum value of SAR (measured) = 0.171 mW/g



0 dB = 0.171mW/g

Date/Time: 11/25/04 00:08:06

Test Laboratory: ESTECH

LG-MX4170 - CH 1175 RIGHT TILT POSITION

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.47 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

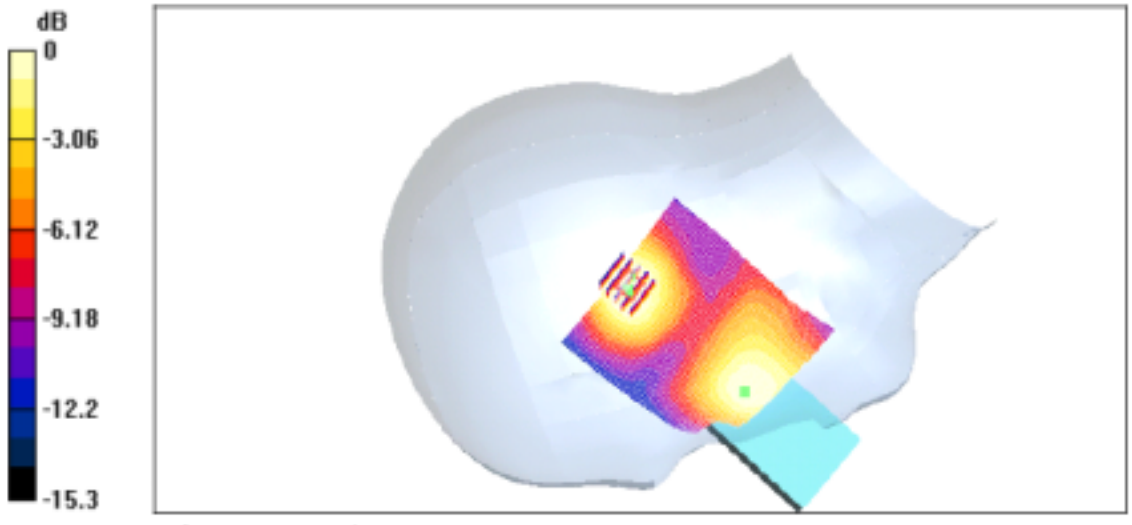
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.132 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.62 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.114 mW/g
Maximum value of SAR (measured) = 0.123 mW/g



0 dB = 0.123mW/g

Date/Time: 11/25/04 00:18:43

Test Laboratory: ESTECH

LG-MX4170 - CH 1175 LEFT TOUCH POSITION-Z SCAN

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: HSL1950 Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.47 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

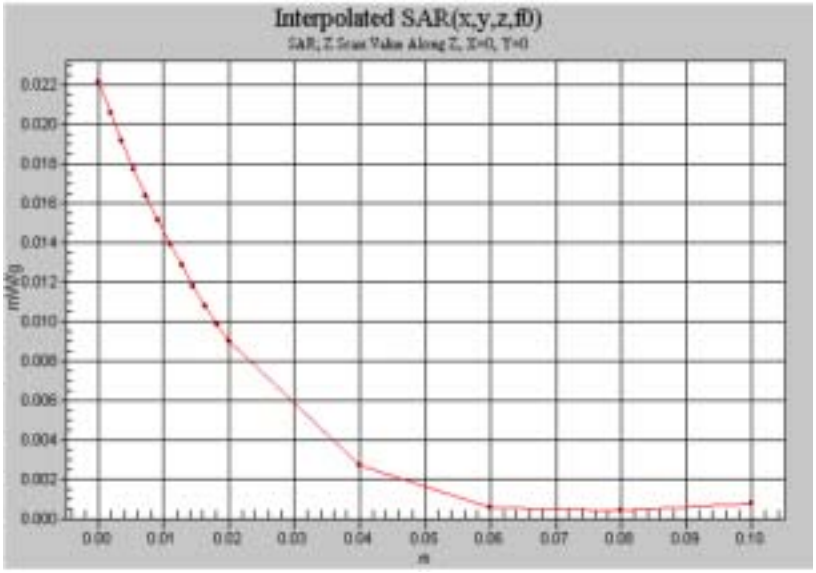
- Probe: ET3DV6 - SN1748; ConvF(5.2, 5.2, 5.2); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23 ℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 1.57 mW/g

Unnamed procedure/Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.022 mW/g



Date/Time: 11/25/04 18:03:03

Test Laboratory: ESTECH

LG-MX4170 - CH 25 BODY

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: M1800 Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

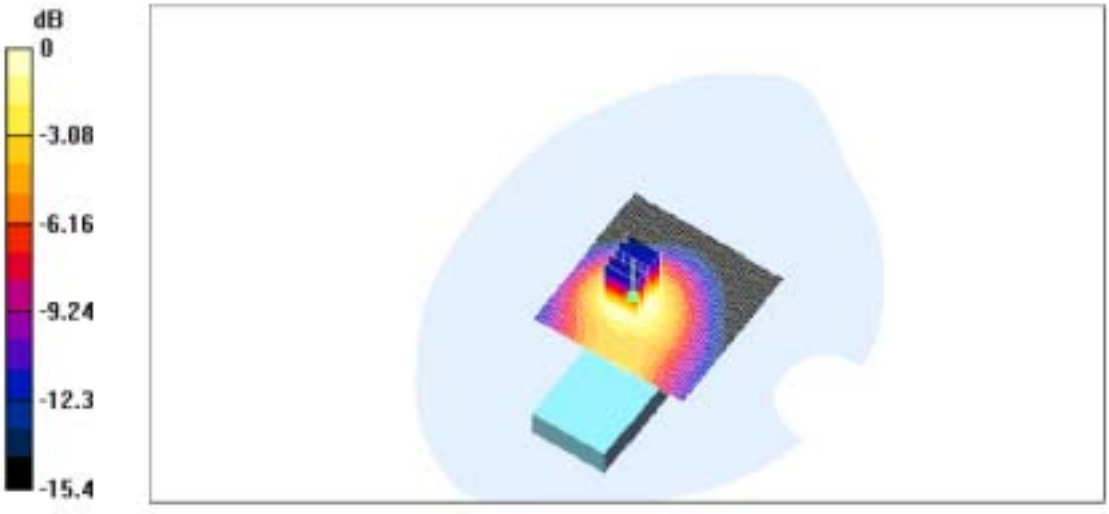
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(4.54, 4.54, 4.54); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 31%

Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 1.1 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.8 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.894 mW/g
Maximum value of SAR (measured) = 0.982 mW/g



0 dB = 0.982mW/g

Date/Time: 11/25/04 17:38:18

Test Laboratory: ESTECH

LG-MX4170 - CH 600 BODY

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

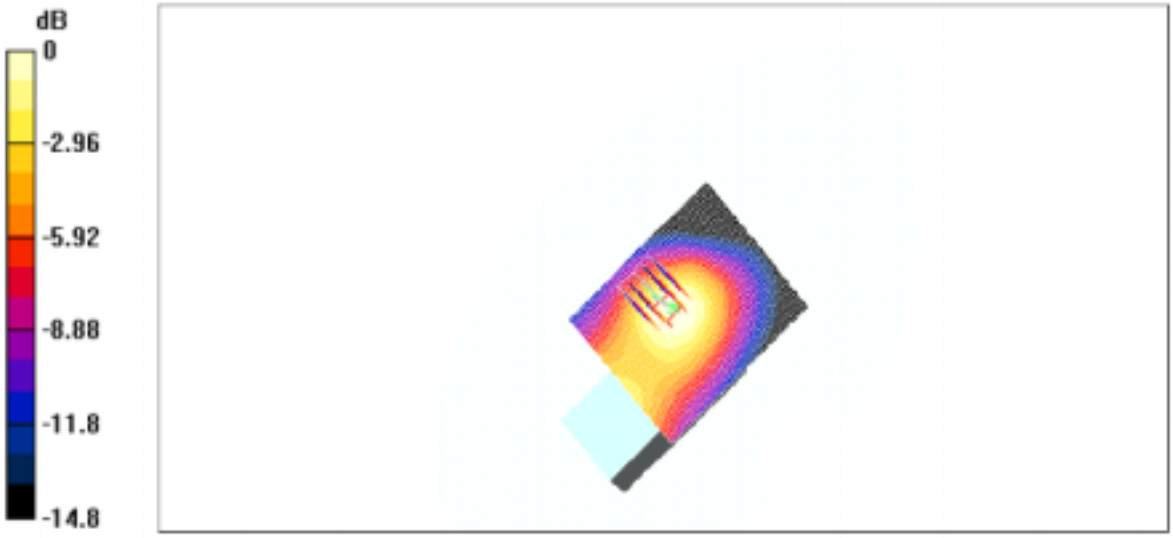
Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: M1800 Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(4.54, 4.54, 4.54); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 31%

Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.537 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.2 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.749 W/kg
SAR(1 g) = 0.458 mW/g
Maximum value of SAR (measured) = 0.501 mW/g



0 dB = 0.501mW/g

Date/Time: 11/25/04 18:20:32

Test Laboratory: ESTECH

LG-MX4170 - CH 1175 BODY

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: M1800 Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.59 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

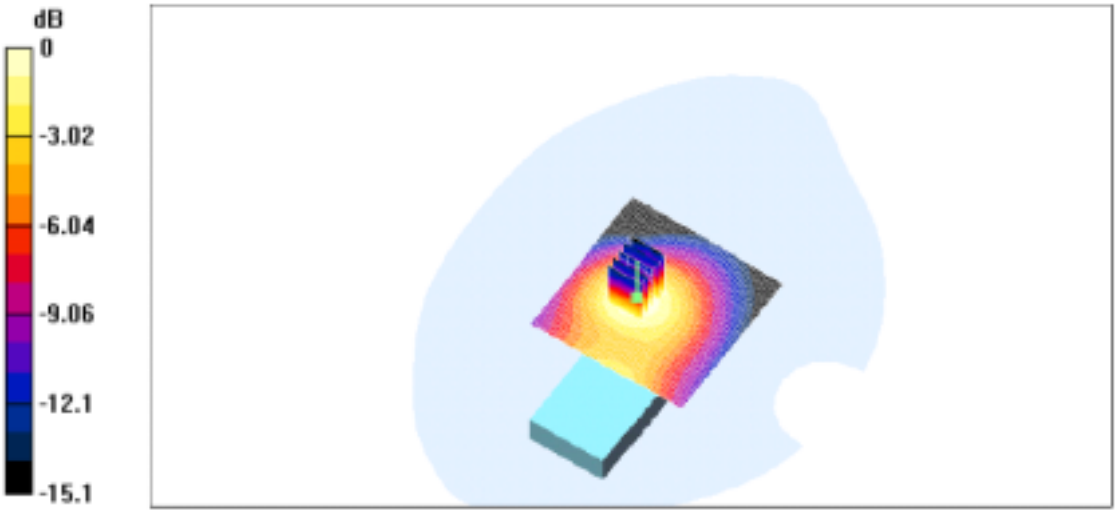
DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(4.54, 4.54, 4.54); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 32%

Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.493 mW/g

Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.4 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 0.677 W/kg
SAR(1 g) = 0.410 mW/g
Maximum value of SAR (measured) = 0.449 mW/g



0 dB = 0.449mW/g

Date/Time: 11/25/04 18:35:05

Test Laboratory: ESTECH

LG-MX4170 - CH 25 BODY - Z SCAN

DUT: LG-MX4170; Type: Tri-Mode Dual-Band Analog/PCS Phone(AMPS/CDMA); Serial: NONE

Communication System: PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: M1800 Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(4.54, 4.54, 4.54); Calibrated: 2004-03-23
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM MIC 1800Mhz; Type: SAM MIC 1800MHz; Serial: TP-1263
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123
- Temperature : 23℃ ; Humidity : 30%

Unnamed procedure/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.391 mW/g

Unnamed procedure/Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm

Info: Interpolated medium parameters used for SAR evaluation!
Maximum value of SAR (interpolated) = 0.108 mW/g