Date/Time: 01/06/04 11:29:00

Test Laboratory: Compliance Certification Services

1_L-Touch

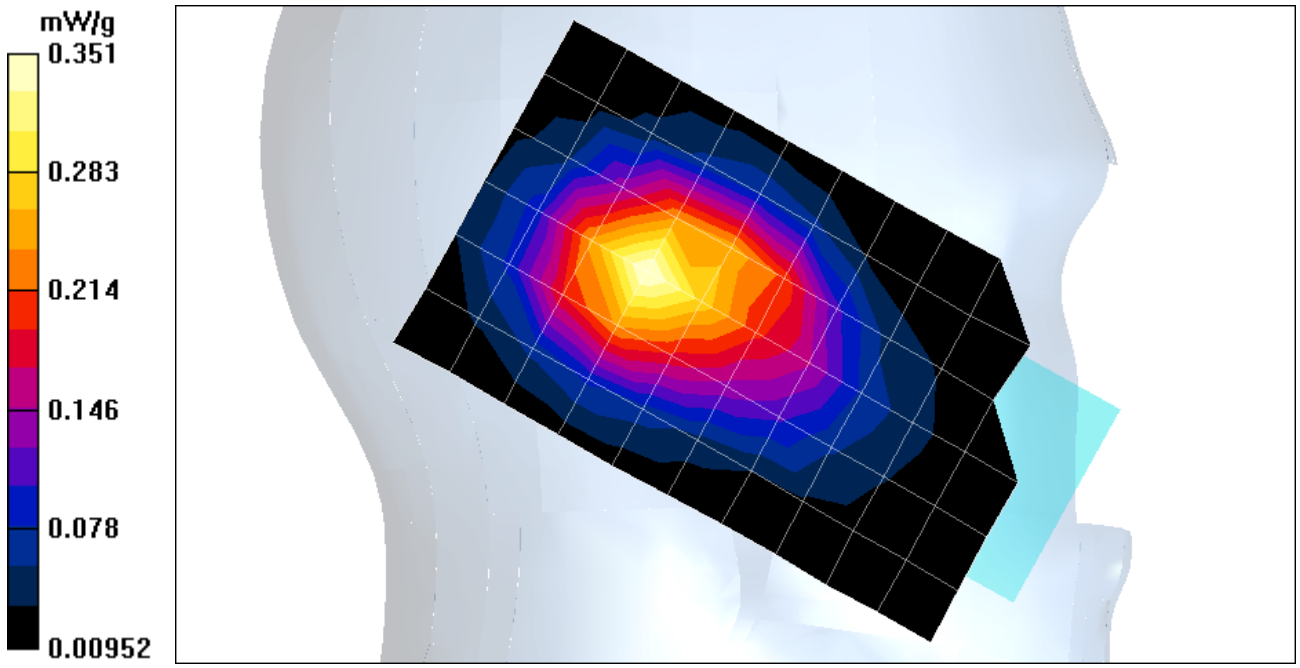
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Left Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1874.2 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.3947 mho/m, ε_r = 41.03, ρ = 1000 kg/m^3)
Phantom section: Left Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Touch position, Middle/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 16.5 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.358 mW/g

Touch position, Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.514 W/kg
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.201 mW/g
Reference Value = 16.5 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.351 mW/g



Date/Time: 01/06/04 11:30:24

Test Laboratory: Compliance Certification Services

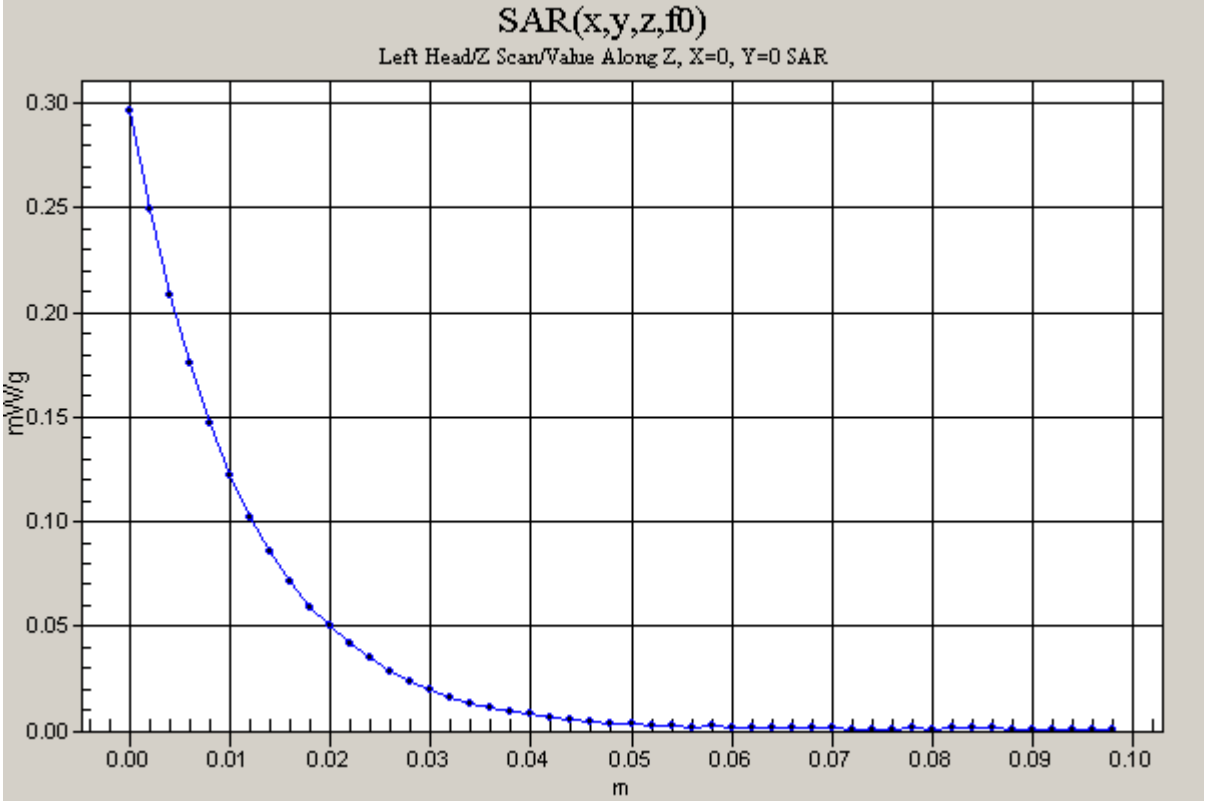
1_L-Touch

DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Touch position, Middle/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 16.5 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.296 mW/g



Date/Time: 01/06/04 12:14:20

Test Laboratory: Compliance Certification Services

2_L-Tilt

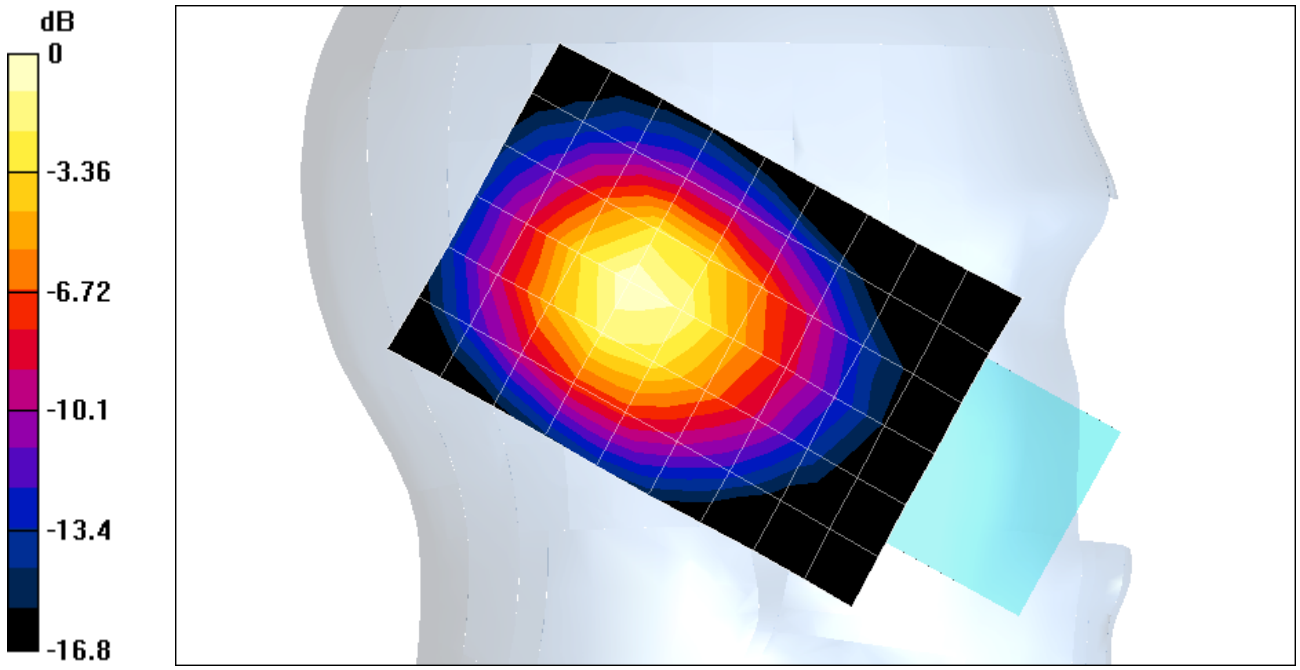
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Left Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.3947 mho/m, ε_r = 41.03, ρ = 1000 kg/m^3)
Phantom section: Left Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Low/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 22 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.616 mW/g

Tilt position, Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.922 W/kg
SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.333 mW/g
Reference Value = 22 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.636 mW/g



0 dB = 0.636mW/g

Date/Time: 01/06/04 12:14:20

Test Laboratory: Compliance Certification Services

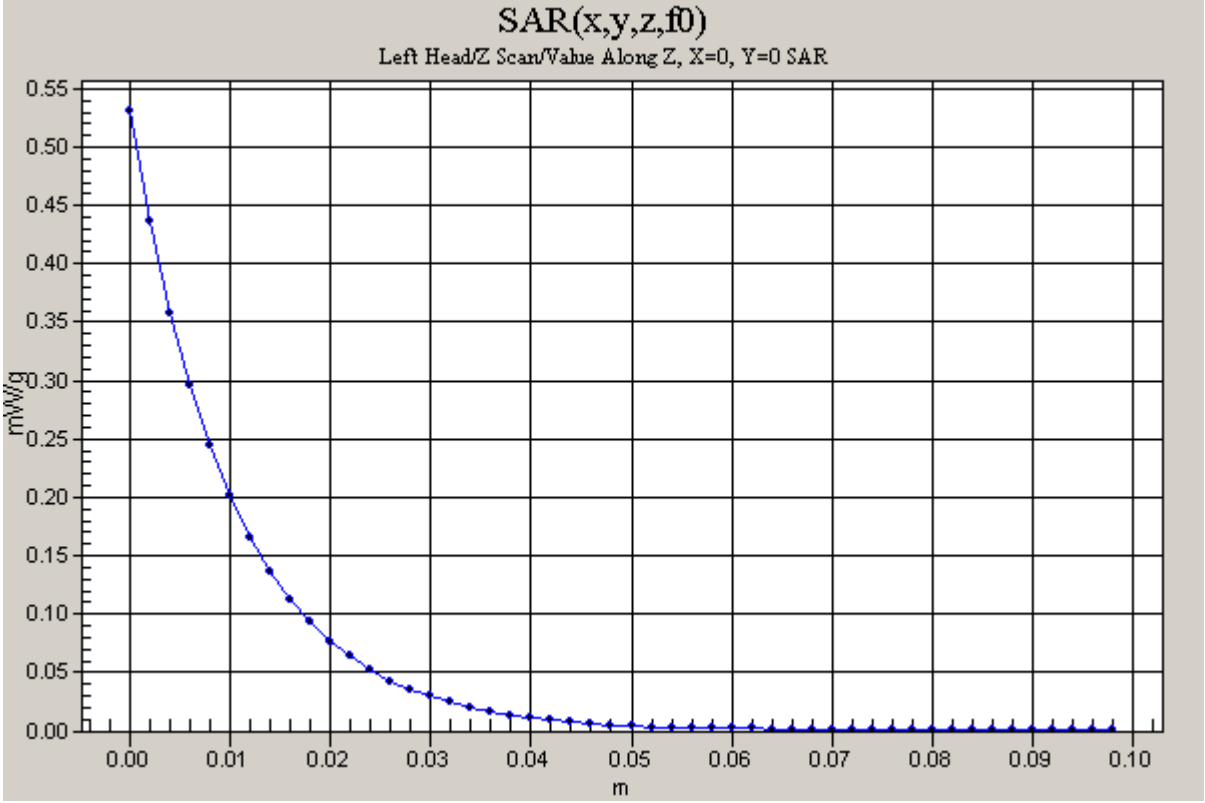
2_L-Tilt

DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Low/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 22 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.531 mW/g



Date/Time: 01/06/04 11:51:10

Test Laboratory: Compliance Certification Services

2_L-Tilt

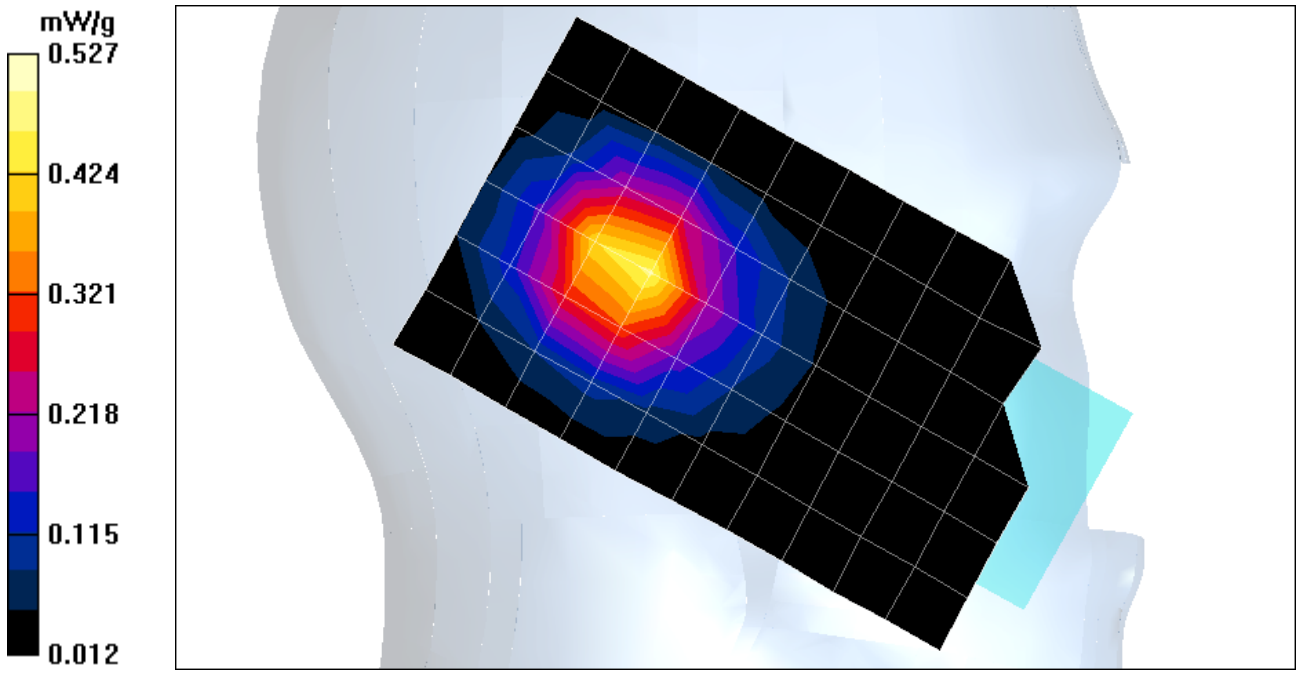
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Left Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1874.2 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.3947 mho/m, ε_r = 41.03, ρ = 1000 kg/m^3)
Phantom section: Left Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Middle/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19.6 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.470 mW/g

Tilt position, Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.750 W/kg
SAR(1 g) = 0.468 mW/g; SAR(10 g) = 0.267 mW/g
Reference Value = 19.6 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.527 mW/g



Date/Time: 01/06/04 12:38:30

Test Laboratory: Compliance Certification Services

2_L-Tilt

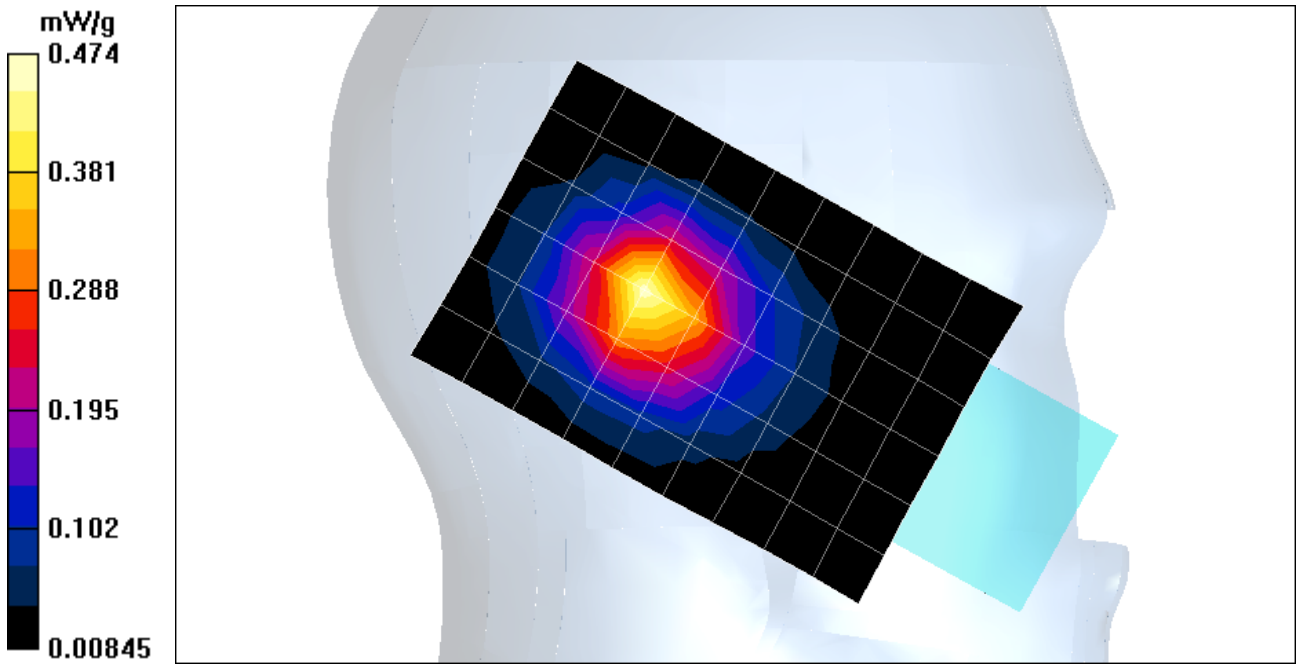
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Left Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1909.9 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.3947 mho/m, ε_r = 41.03, ρ = 1000 kg/m^3)
Phantom section: Left Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, High/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 18.7 V/m
Power Drift = 0.0 dB
Maximum value of SAR = 0.465 mW/g

Tilt position, High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.697 W/kg
SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.244 mW/g
Reference Value = 18.7 V/m
Power Drift = 0.0 dB
Maximum value of SAR = 0.474 mW/g



Test Laboratory: Compliance Certification Services

2_L-Tilt_Keypad opened

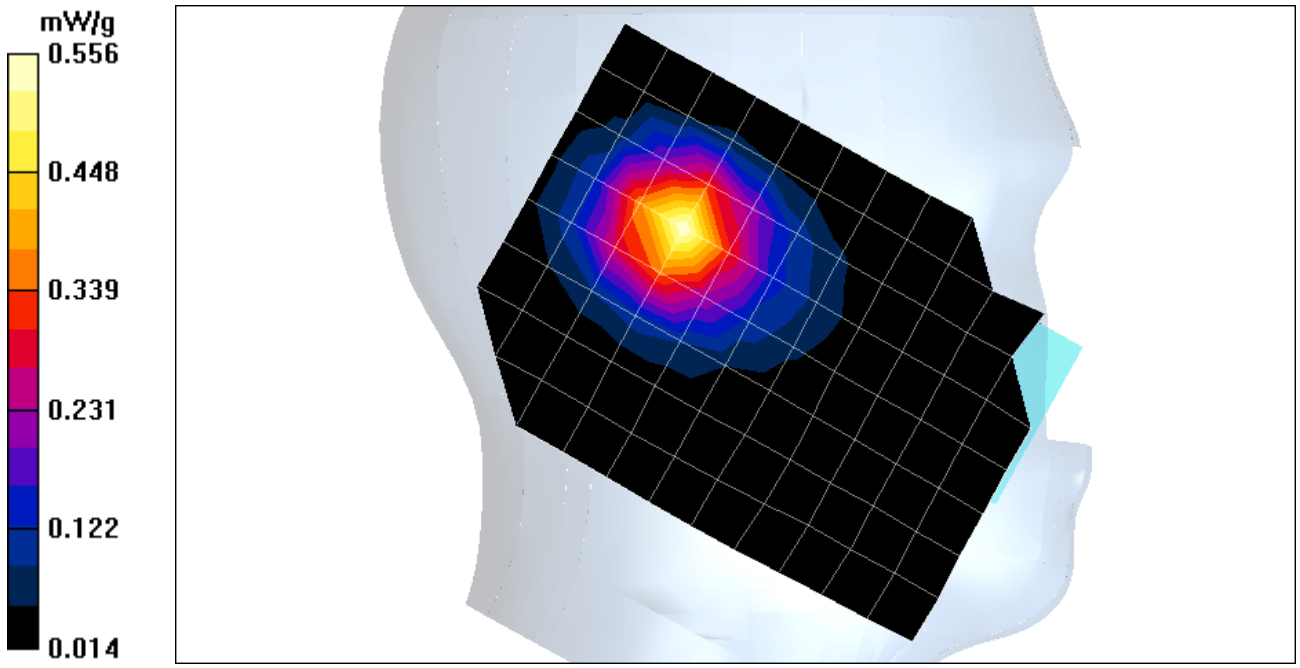
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Left Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.4635 mho/m, ε_r = 39.805, ρ = 1000 kg/m^3)
Phantom section: Left Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Low/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19.9 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.556 mW/g

Tilt position, Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.794 W/kg
SAR(1 g) = 0.505 mW/g; SAR(10 g) = 0.295 mW/g
Reference Value = 19.9 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.556 mW/g



Date/Time: 01/09/04 16:41:52

Test Laboratory: Compliance Certification Services

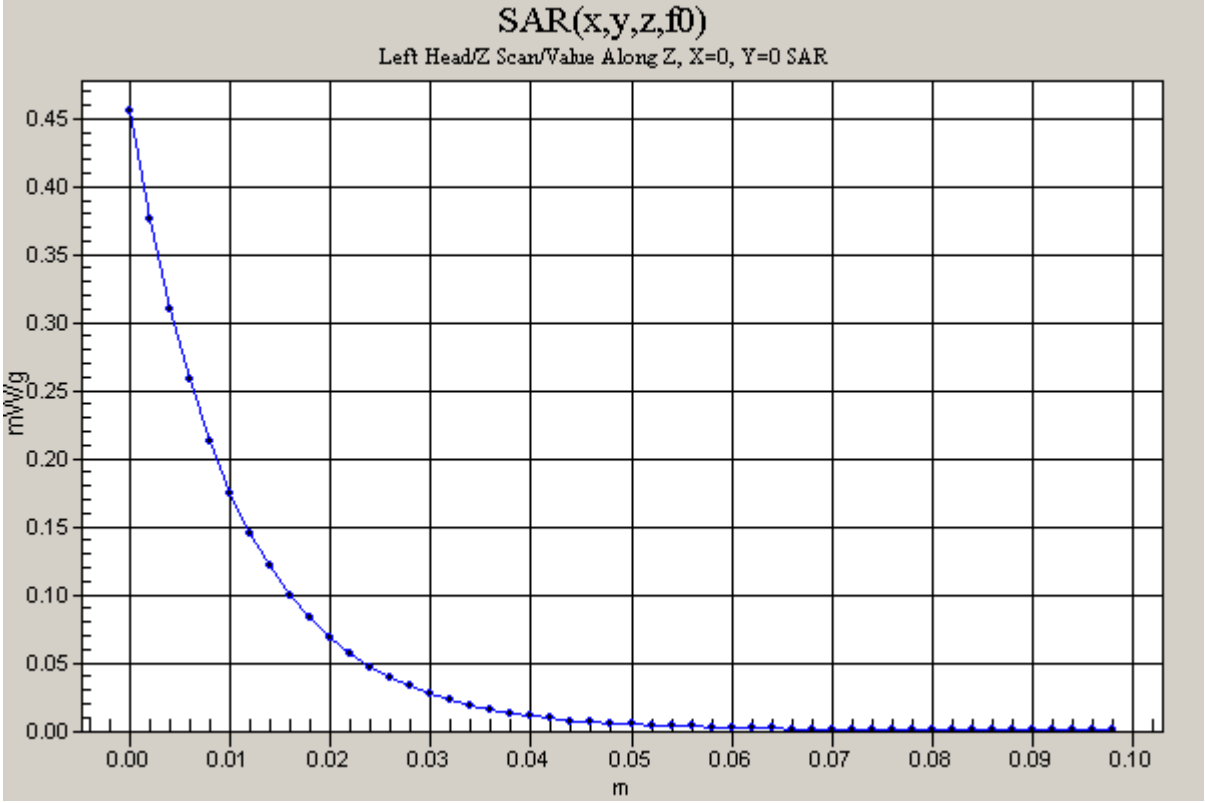
2_L-Tilt_Keypad opened

DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Low/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 19.9 V/m
Power Drift = -0.002 dB
Maximum value of SAR = 0.456 mW/g



Date/Time: 01/06/04 14:09:12

Test Laboratory: Compliance Certification Services

3_R-Touch

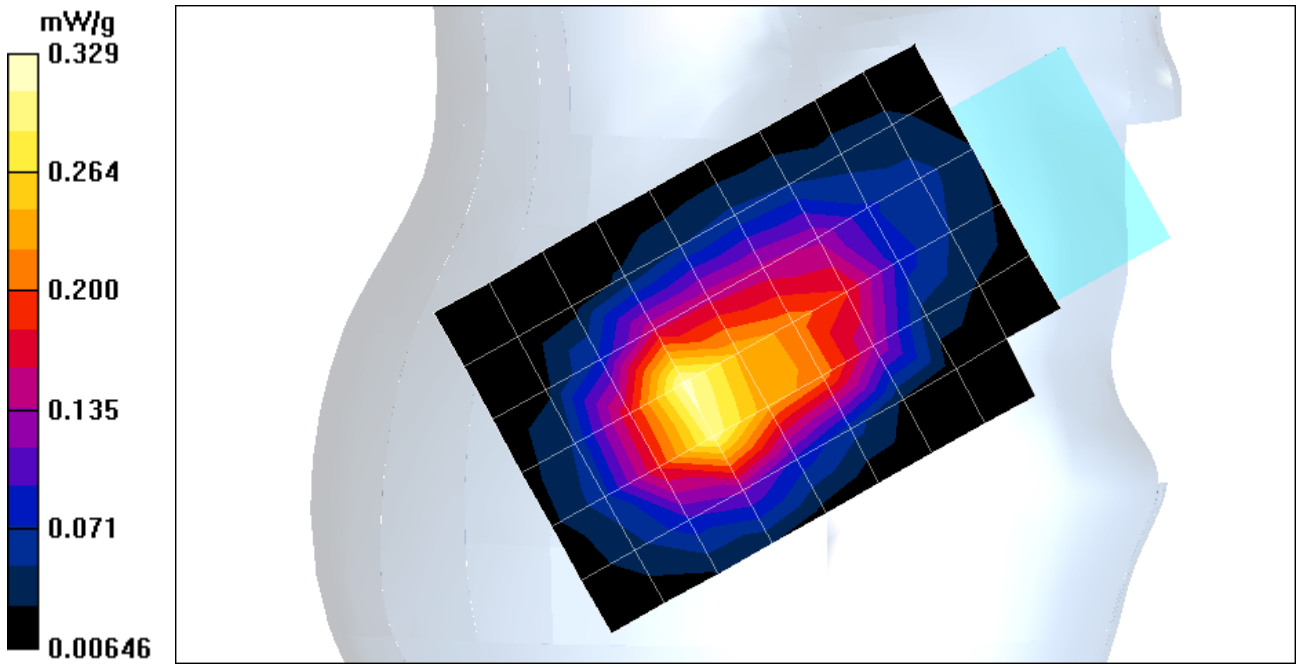
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Right Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1874.2 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.3947 mho/m, ε_r = 41.03, ρ = 1000 kg/m^3)
Phantom section: Right Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Middle/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 15.5 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.316 mW/g

Tilt position, Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.181 mW/g
Reference Value = 15.5 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.329 mW/g



Date/Time: 01/06/04 14:11:10

Test Laboratory: Compliance Certification Services

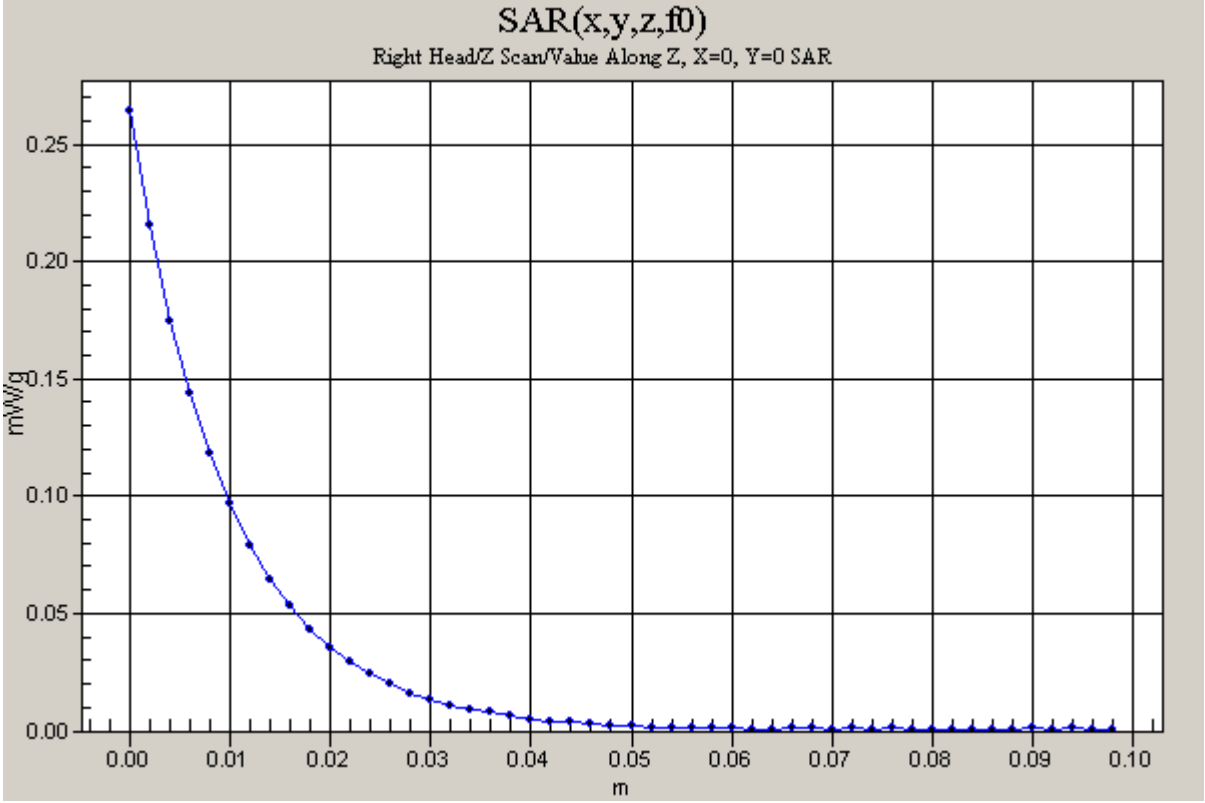
3_R-Touch

DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Middle/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 15.5 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.264 mW/g



Date/Time: 01/06/04 13:23:58

Test Laboratory: Compliance Certification Services

4_R-Tilt

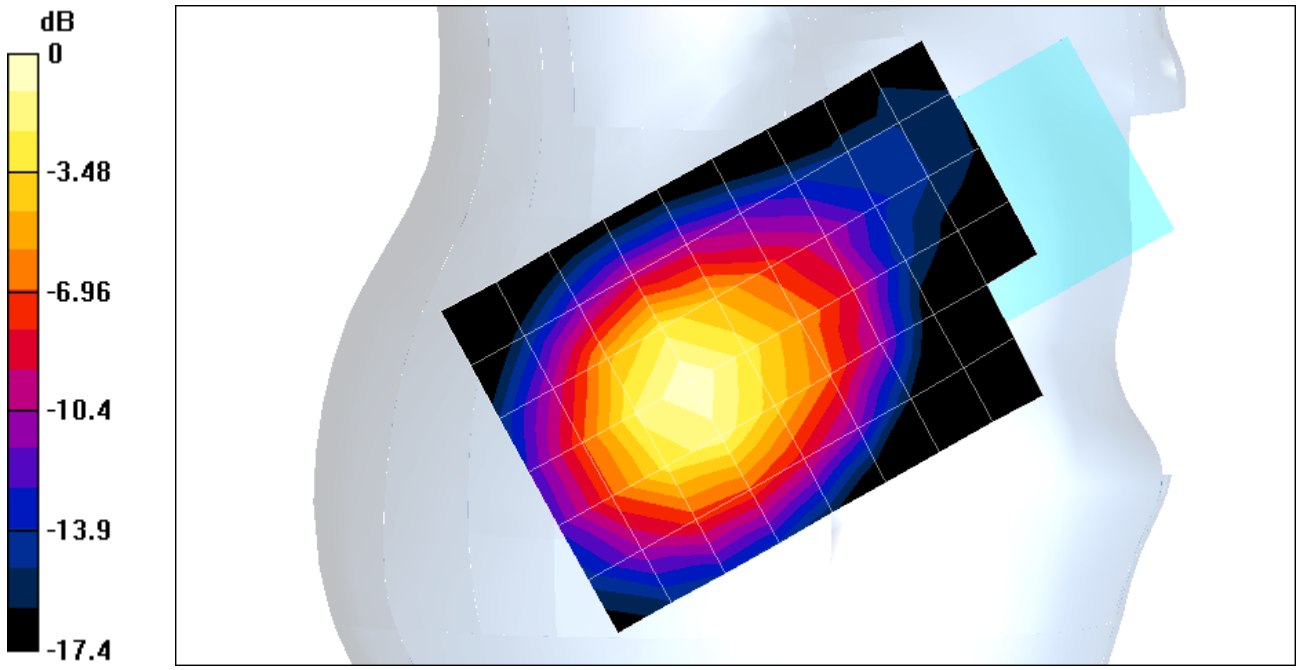
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Right Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.3947 mho/m, ε_r = 41.03, ρ = 1000 kg/m^3)
Phantom section: Right Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Low 2/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 21.5 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.626 mW/g

Tilt position, Low 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.923 W/kg
SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.326 mW/g
Reference Value = 21.5 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.634 mW/g



0 dB = 0.634mW/g

Date/Time: 01/06/04 13:27:22

Test Laboratory: Compliance Certification Services

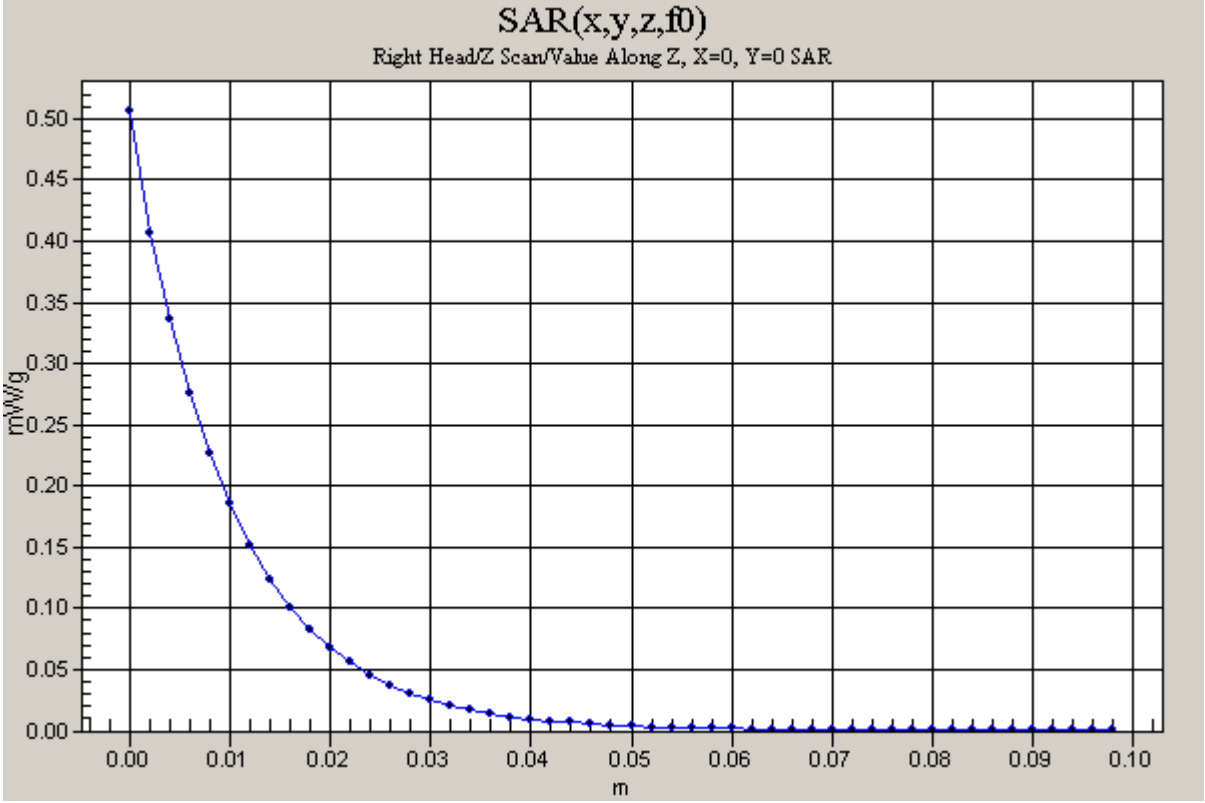
4_R-Tilt

DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Low/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 21.5 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.506 mW/g



Date/Time: 01/06/04 13:03:36

Test Laboratory: Compliance Certification Services

4_R-Tilt

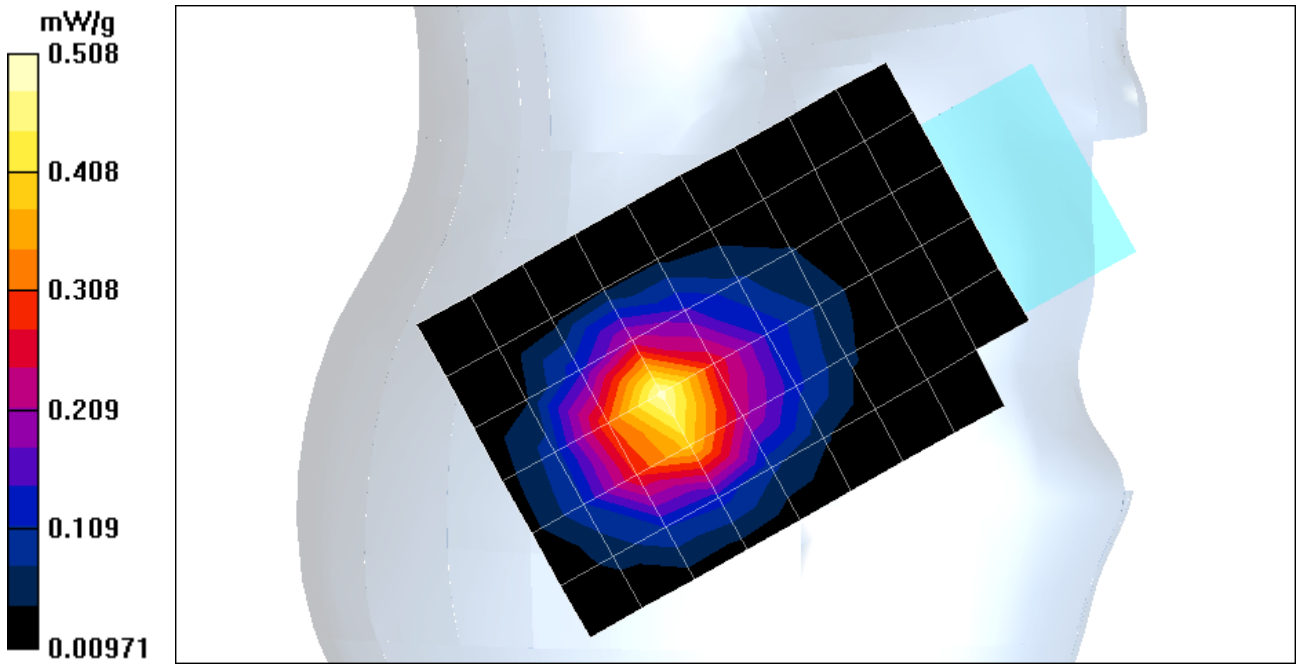
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Right Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1874.2 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.3947 mho/m, ε_r = 41.03, ρ = 1000 kg/m^3)
Phantom section: Right Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, Middle/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19.2 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.491 mW/g

Tilt position, Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.746 W/kg
SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.263 mW/g
Reference Value = 19.2 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.508 mW/g



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Test Laboratory: Compliance Certification Services

4_R-Tilt

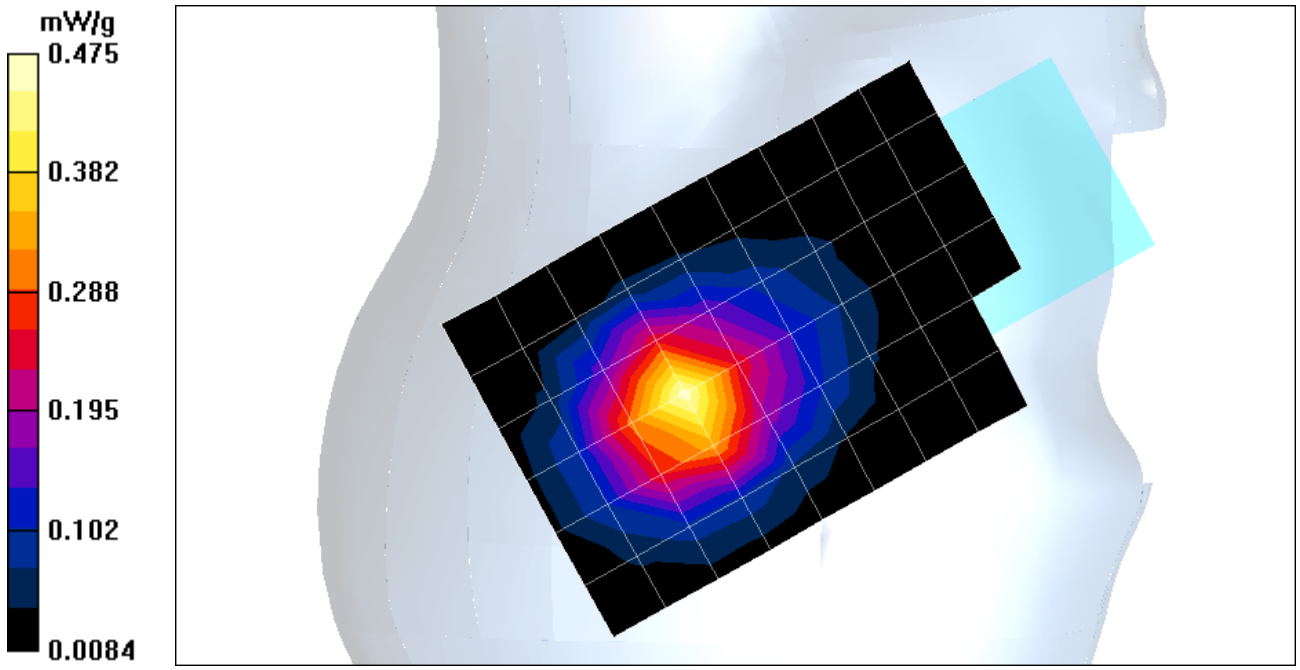
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Right Head
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1909.9 MHz;Duty Cycle: 1:8
Medium: Head 1900MHz (σ = 1.3947 mho/m, ε_r = 41.03, ρ = 1000 kg/m^3)
Phantom section: Right Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Tilt position, High/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 18.7 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.465 mW/g

Tilt position, High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.709 W/kg
SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.243 mW/g
Reference Value = 18.7 V/m
Power Drift = -0.0 dB
Maximum value of SAR = 0.475 mW/g



Date/Time: 01/06/04 14:58:28

Test Laboratory: Compliance Certification Services

5_Body_1 slot

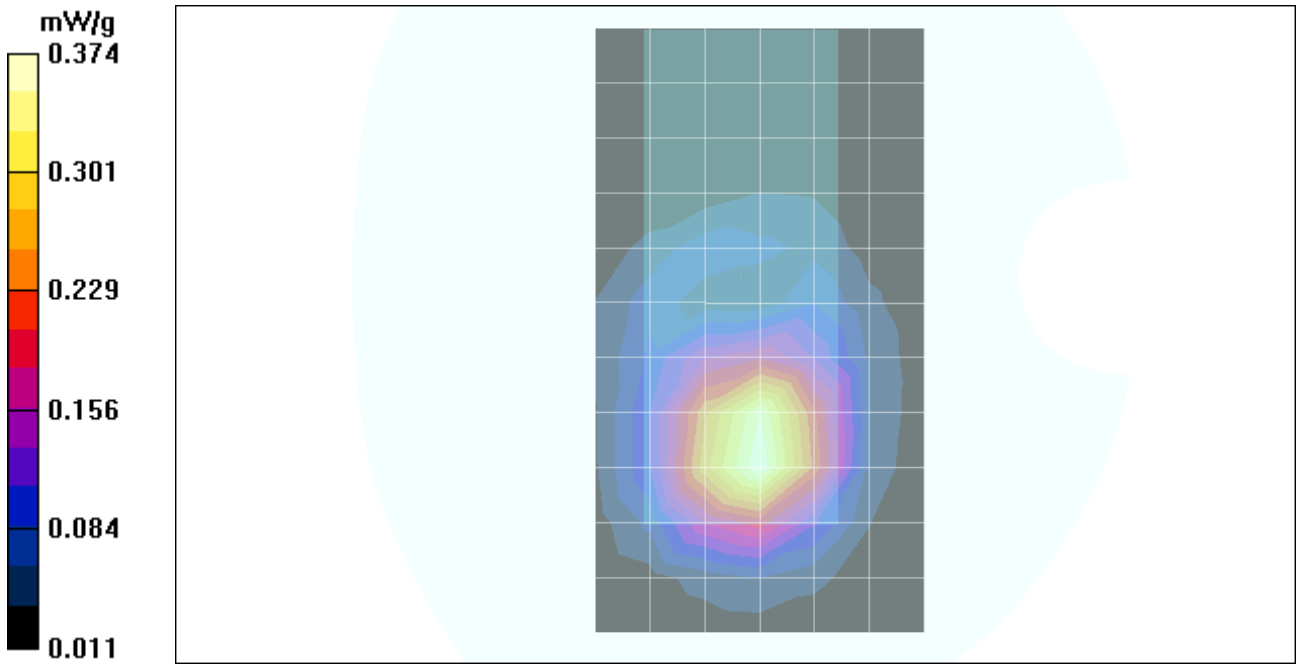
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Body
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1874.2 MHz;Duty Cycle: 1:8
Medium: Muscle 1900 MHz (σ = 1.594 mho/m, ε_r = 52.9099, ρ = 1000 kg/m^3)
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Touch position, Middle/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 5.99 V/m
Power Drift = 0.0 dB
Maximum value of SAR = 0.372 mW/g

Touch position, Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.564 W/kg
SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.212 mW/g
Reference Value = 5.99 V/m
Power Drift = 0.0 dB
Maximum value of SAR = 0.374 mW/g



Date/Time: 01/06/04 14:58:28

Test Laboratory: Compliance Certification Services

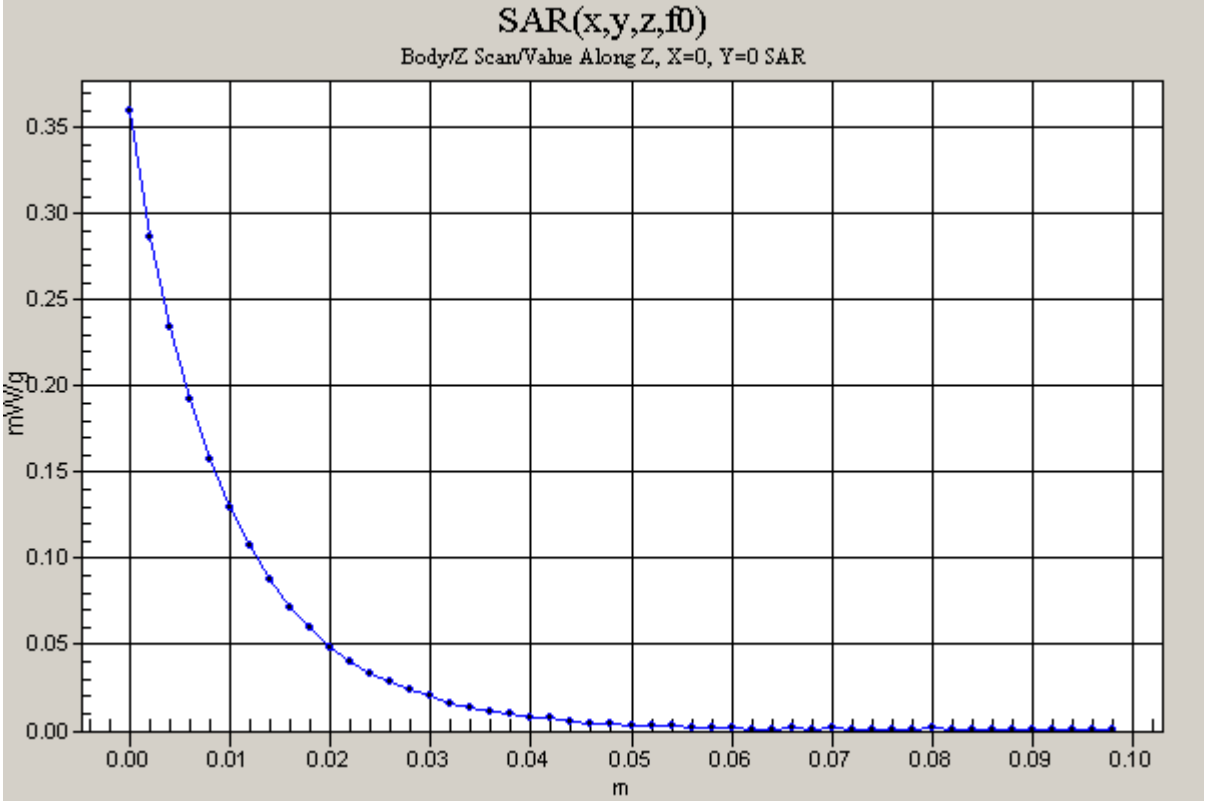
5_Body_1 slot

DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Touch position, Middle/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 5.99 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.360 mW/g



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Test Laboratory: Compliance Certification Services

6_Body_2 slots

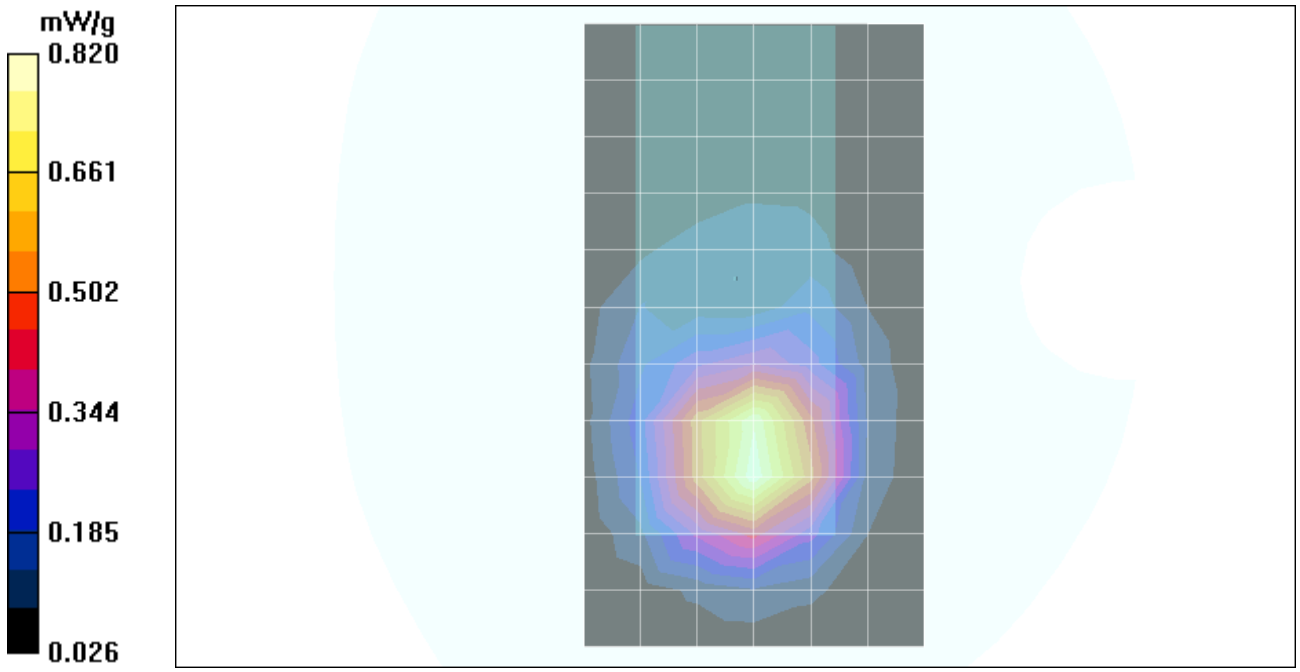
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Body
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: Muscle 1900 MHz (σ = 1.594 mho/m, ε_r = 52.9099, ρ = 1000 kg/m^3)
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Touch position, Low/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.47 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.808 mW/g

Touch position, Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.463 mW/g
Reference Value = 8.47 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.820 mW/g



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Test Laboratory: Compliance Certification Services

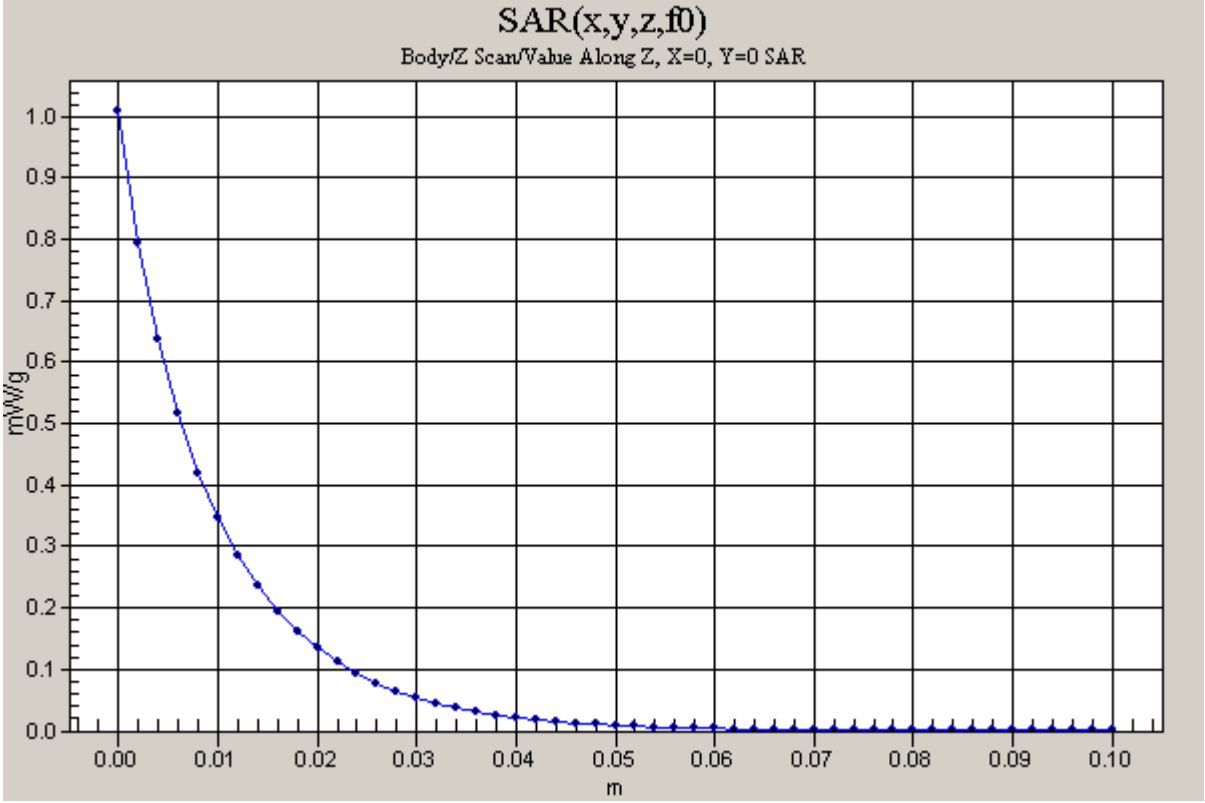
6_Body_2 slots

DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Touch position, Low/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 8.47 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 1.01 mW/g



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Test Laboratory: Compliance Certification Services

6_Body_2 slots

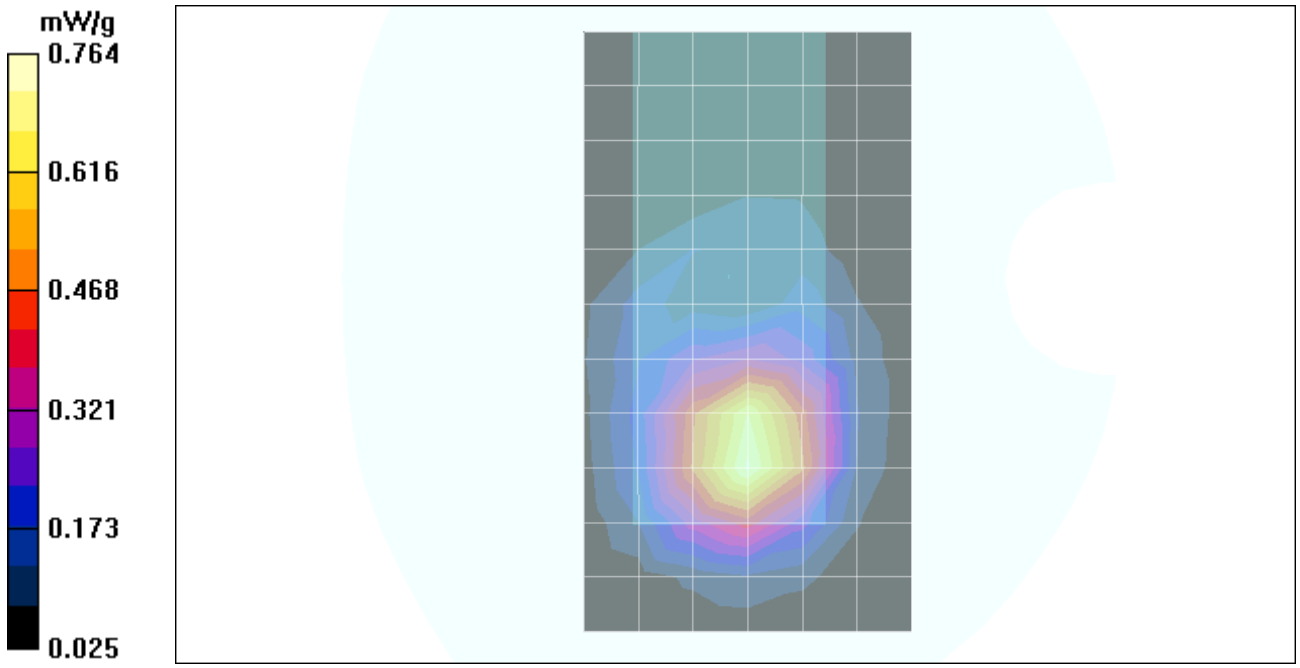
DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Body
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1874.2 MHz;Duty Cycle: 1:4
Medium: Muscle 1900 MHz (σ = 1.594 mho/m, ε_r = 52.9099, ρ = 1000 kg/m^3)
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Touch position, Middle/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.46 V/m
Power Drift = 0.12 dB
Maximum value of SAR = 0.728 mW/g

Touch position, Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.721 mW/g; SAR(10 g) = 0.438 mW/g
Reference Value = 8.46 V/m
Power Drift = 0.12 dB
Maximum value of SAR = 0.764 mW/g



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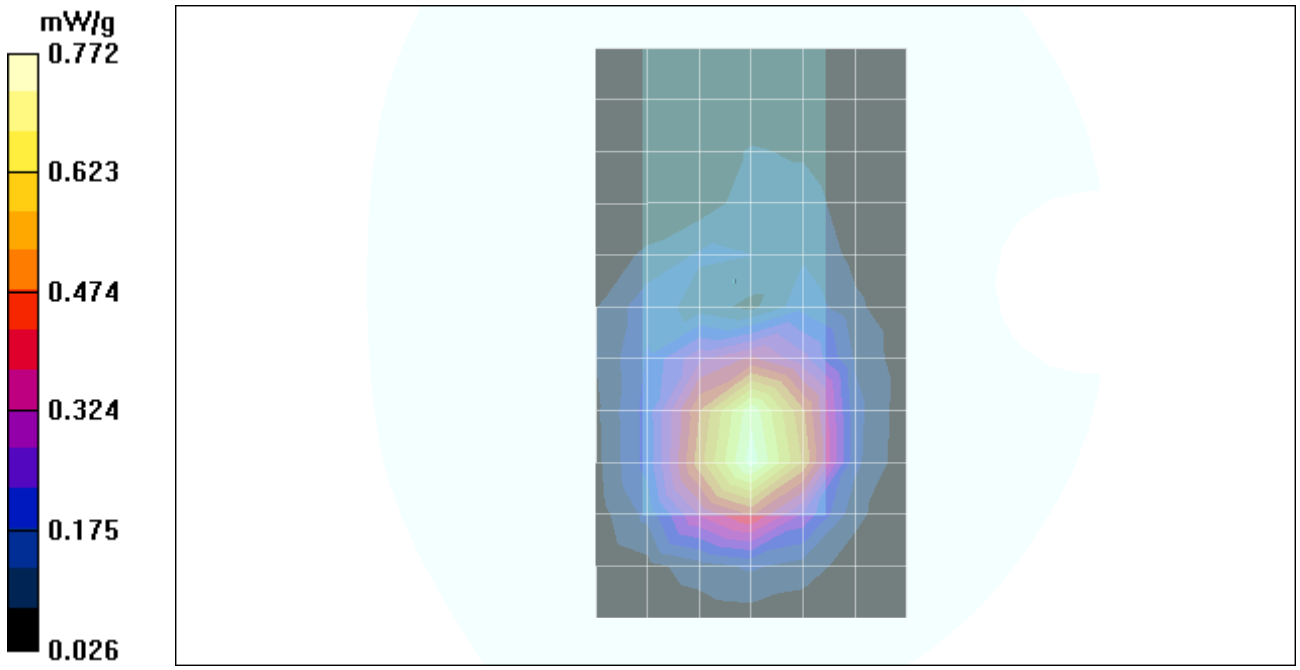
Test Laboratory: Compliance Certification Services

6_Body_2 slots

DUT: Sierra Wireless; Type: Voq A11; Serial: S0312030000500J
Program Name: Body
Ambient Temperature: 22.5 deg C; Liquid Temperature: 21.0 deg C

Communication System: GSM1900; Frequency: 1909.9 MHz;Duty Cycle: 1:4
Medium: Muscle 1900 MHz (σ = 1.594 mho/m, ε_r = 52.9099, ρ = 1000 kg/m^3)
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Touch position, High/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.11 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.750 mW/g

Touch position, High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.435 mW/g
Reference Value = 8.11 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.772 mW/g