

Test Laboratory: Compliance Certification Services

EUT Test Configuration 1

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

Program Name: EUT Test Configuration 1

Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: Body 835 MHz ($\sigma = 0.9532$ mho/m, $\epsilon_r = 55.4246$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); 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

Low_d=25mm/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 29 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.821 mW/g

Low_d=25mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

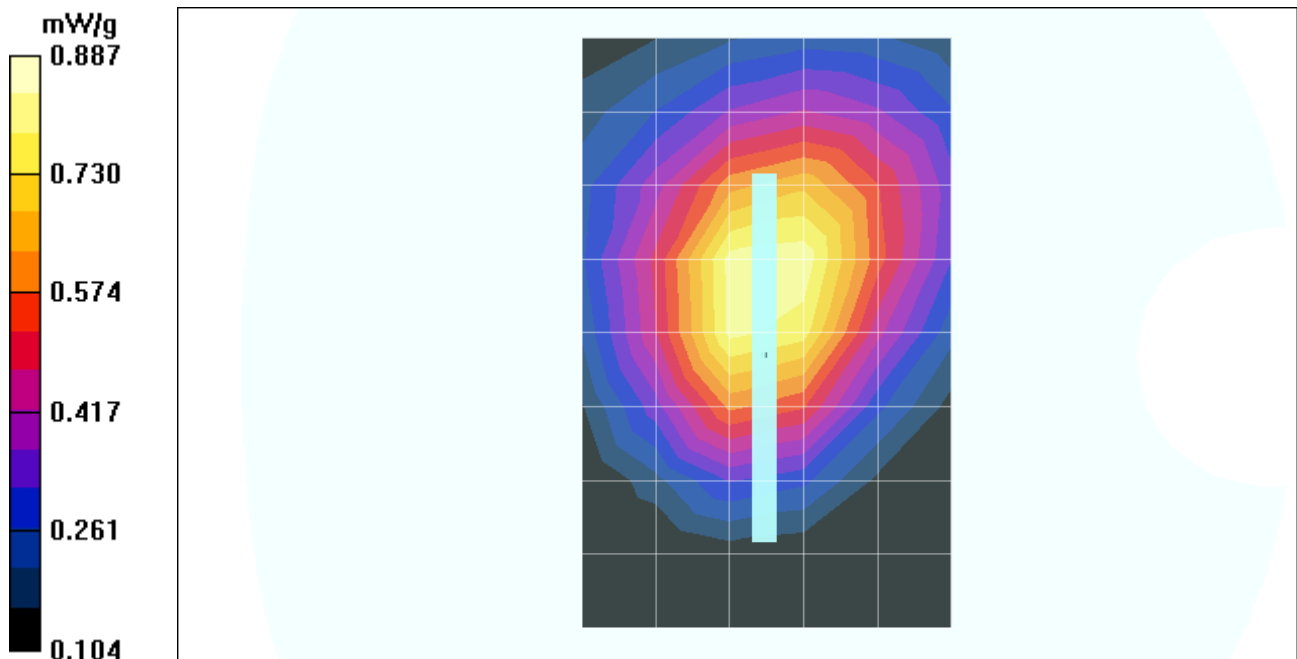
Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.580 mW/g

Reference Value = 29 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.887 mW/g



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EUT Test Configuration 1

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

Program Name: EUT Test Configuration 1

Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: Body 835 MHz ($\sigma = 0.9532$ mho/m, $\epsilon_r = 55.4246$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); 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

Middle_d=25mm/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 30 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.876 mW/g

Middle_d=25mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

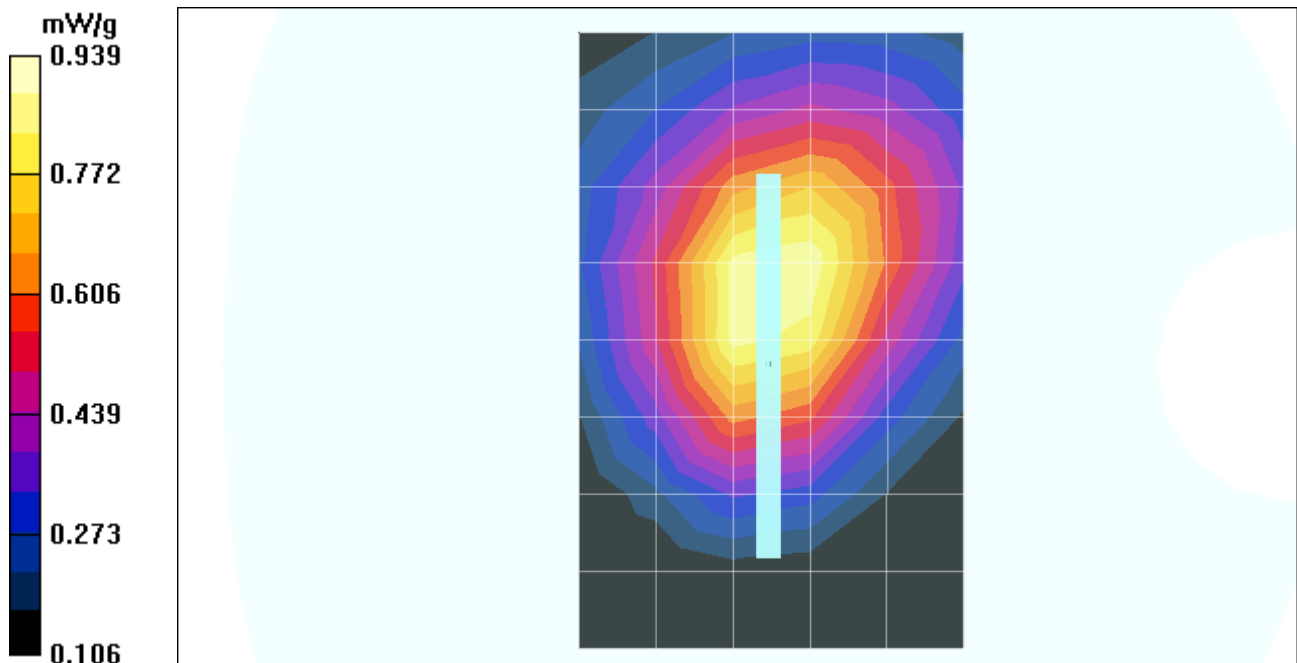
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.615 mW/g

Reference Value = 30 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.939 mW/g



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EUT Test Configuration 1

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

Program Name: EUT Test Configuration 1

Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: Body 835 MHz ($\sigma = 0.9532$ mho/m, $\epsilon_r = 55.4246$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); 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

High_d=25mm/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 30.5 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.919 mW/g

High_d=25mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

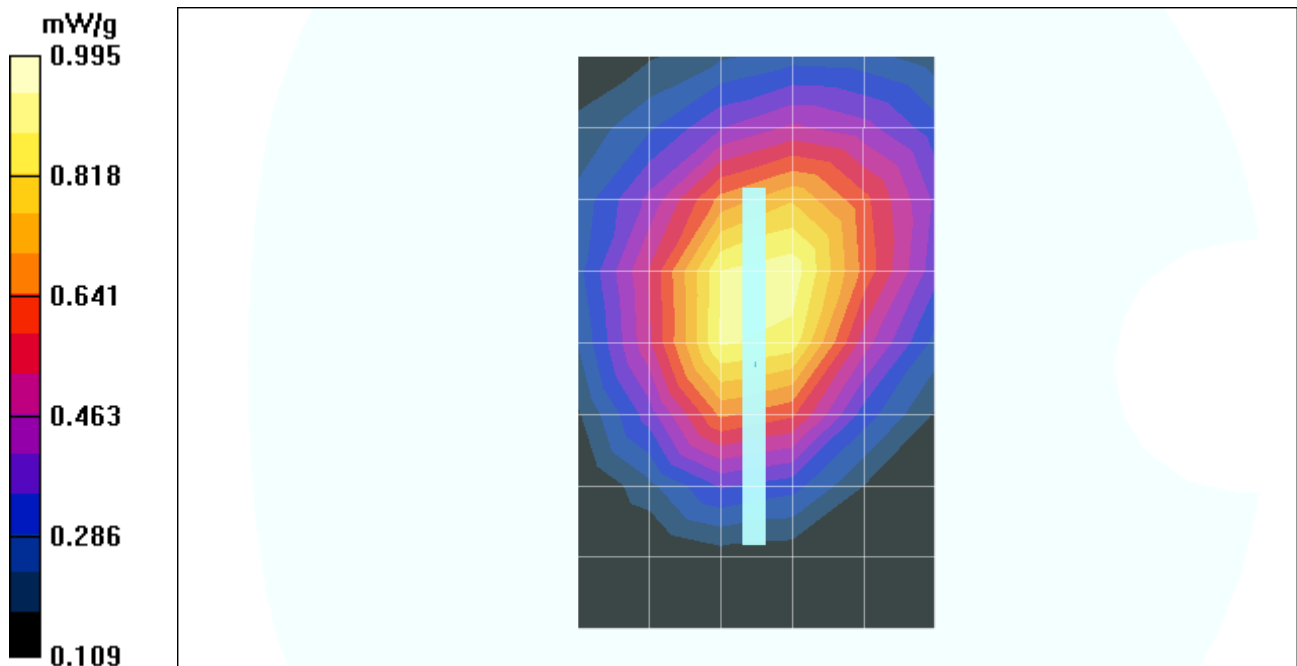
Peak SAR (extrapolated) = 1.3 W/kg

SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.652 mW/g

Reference Value = 30.5 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.995 mW/g



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EUT Test Configuration 1

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

DASY4 Configuration:

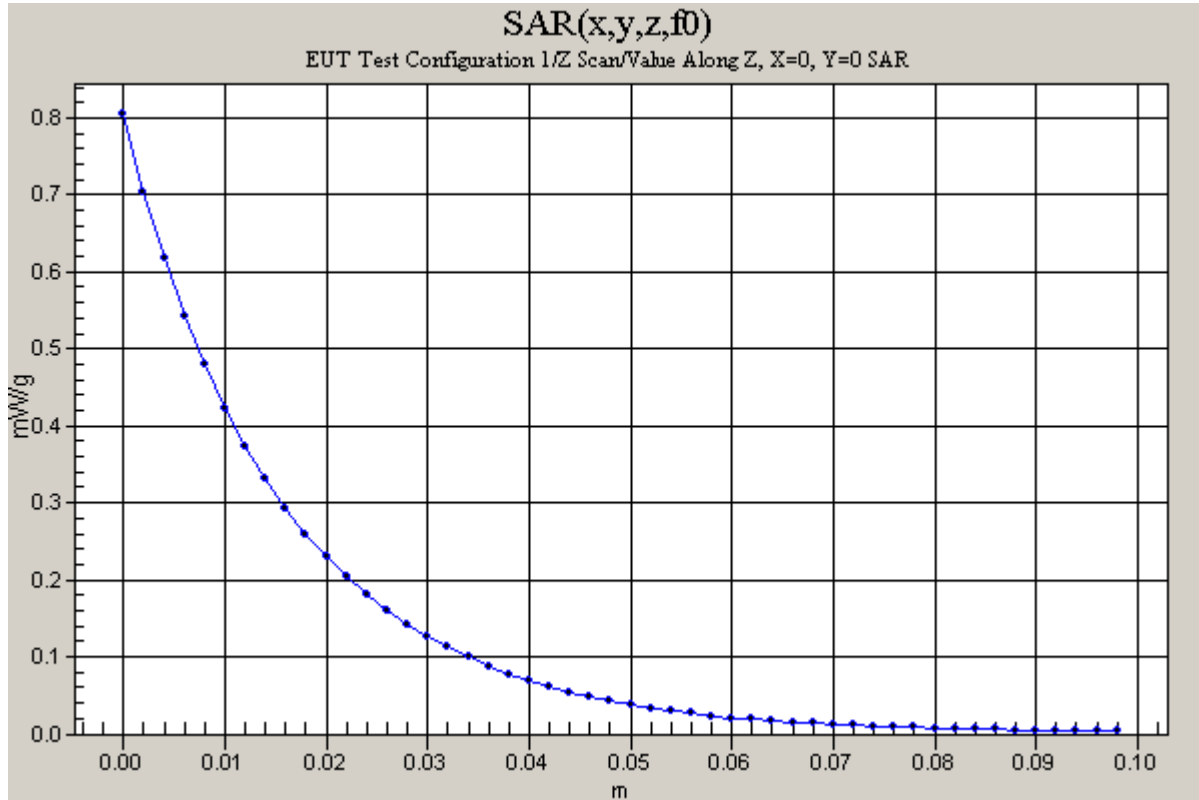
- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

High_d=25mm/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 30.5 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.805 mW/g



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EUT Test Configuration 2

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

Program Name: EUT Test Configuration 2

Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: Body 835 MHz ($\sigma = 0.9532$ mho/m, $\epsilon_r = 55.4246$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); 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

Low/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 26.5 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 1.07 mW/g

Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

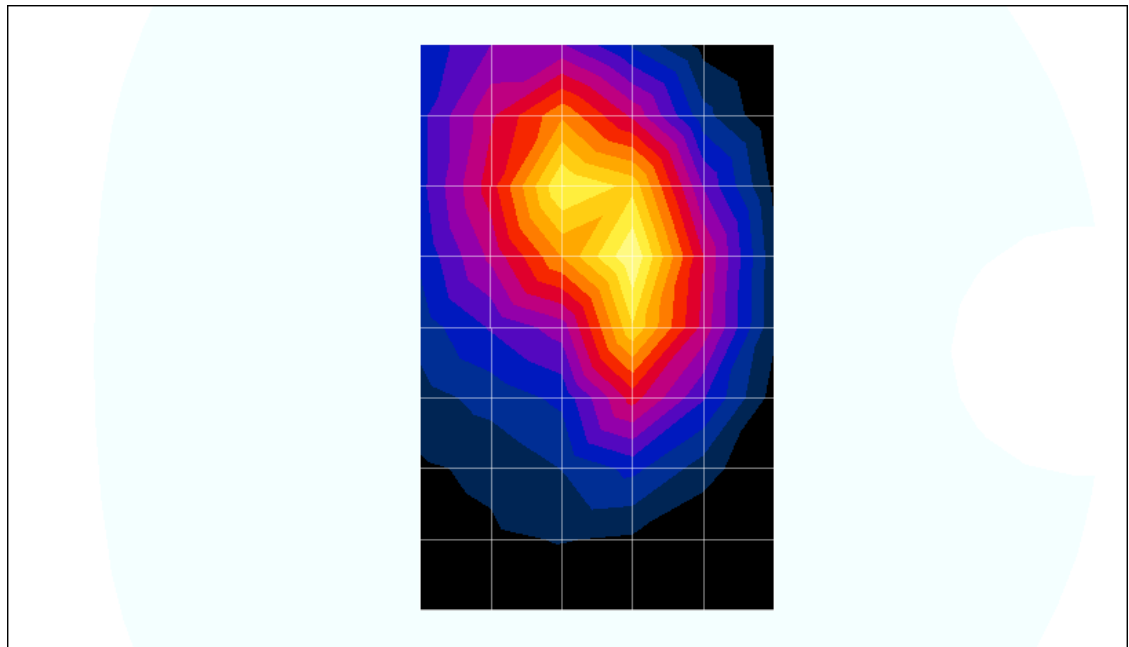
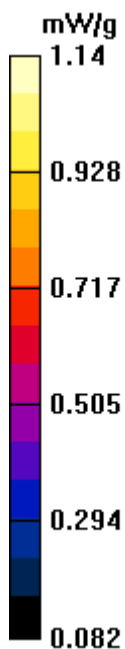
Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.684 mW/g

Reference Value = 26.5 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 1.14 mW/g



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EUT Test Configuration 2

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

DASY4 Configuration:

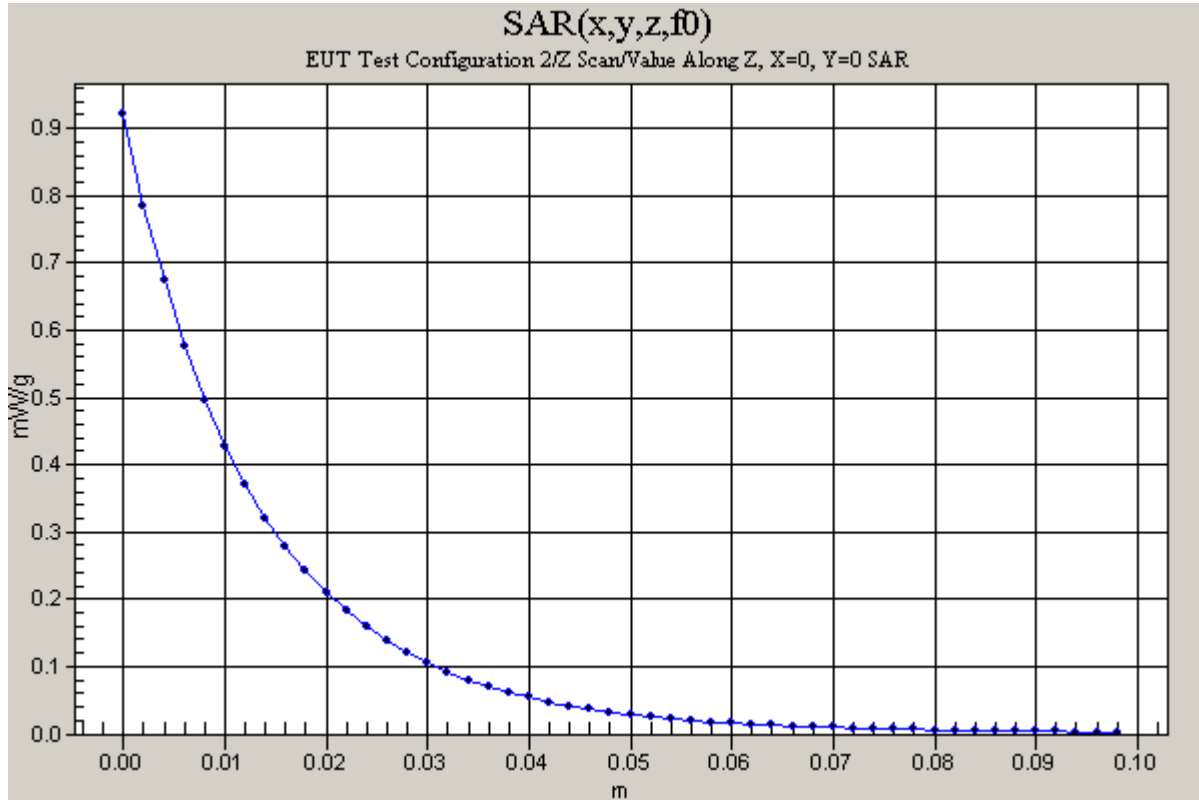
- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Low/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 26.5 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.921 mW/g



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EUT Test Configuration 2

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

Program Name: EUT Test Configuration 2

Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: Body 835 MHz ($\sigma = 0.9532$ mho/m, $\epsilon_r = 55.4246$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); 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

Middle/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 25 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 1.08 mW/g

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

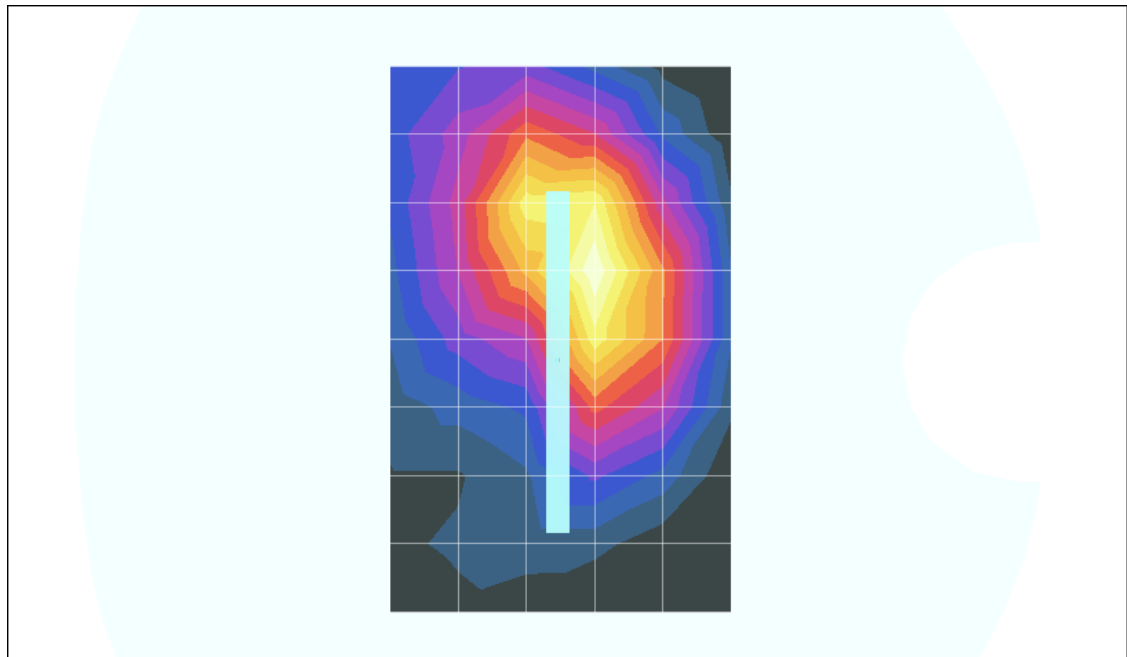
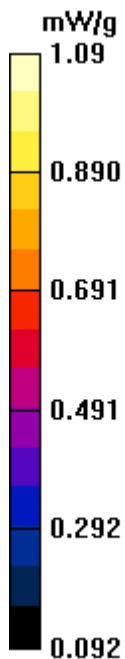
Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.673 mW/g

Reference Value = 25 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 1.09 mW/g



Test Laboratory: Compliance Certification Services

EUT Test Configuration 2

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

Program Name: EUT Test Configuration 2

Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: Body 835 MHz ($\sigma = 0.9532$ mho/m, $\epsilon_r = 55.4246$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); 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

High/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 27.8 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.06 mW/g

High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

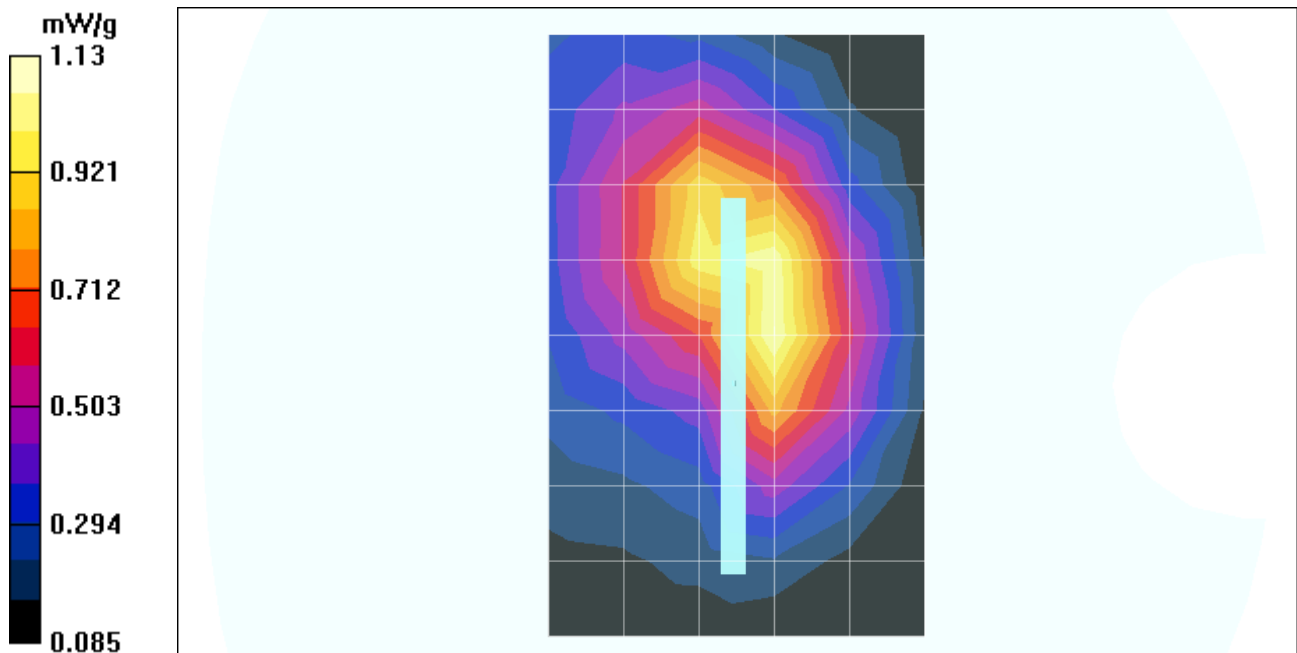
Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.682 mW/g

Reference Value = 27.8 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.13 mW/g



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EUT Test Configuration 3

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

Program Name: EUT Test Configuration 3

Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: Body 835 MHz ($\sigma = 0.9532$ mho/m, $\epsilon_r = 55.4246$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); 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

Middle/Area Scan (9x9x1): Measurement grid: dx=15mm, dy=15mm

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.473 W/kg

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.272 mW/g

Reference Value = 19.6 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.376 mW/g

Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

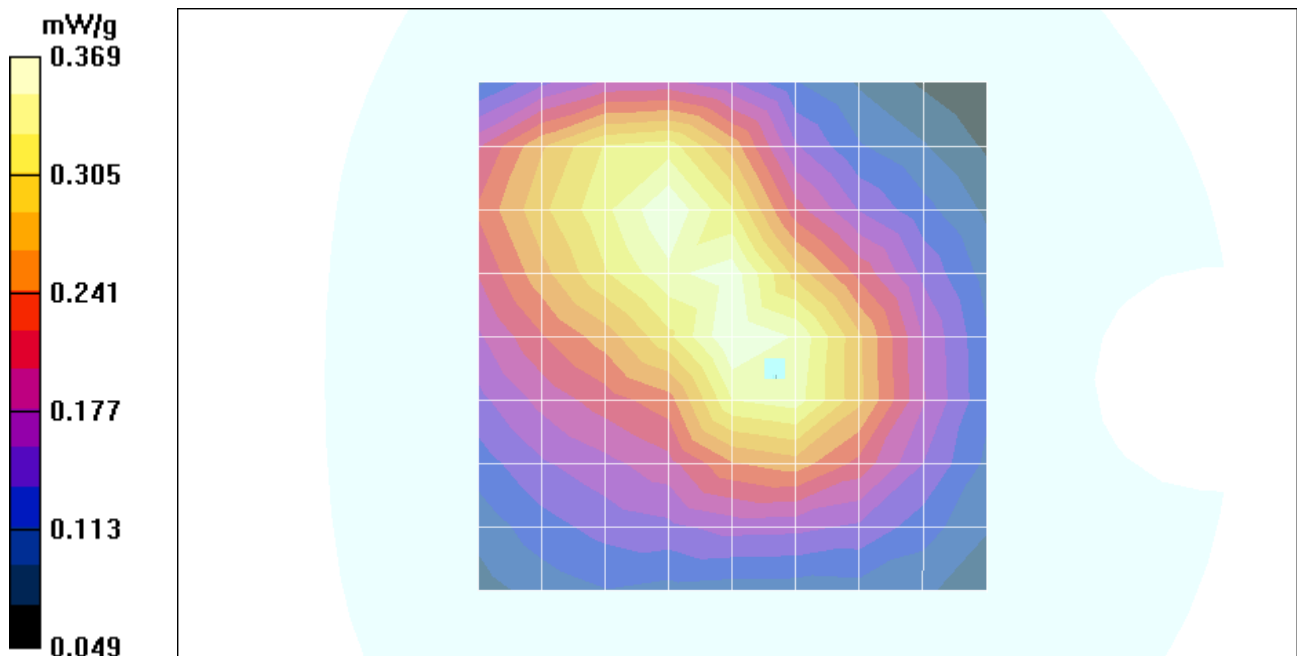
Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.251 mW/g

Reference Value = 19.6 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.369 mW/g



Test Laboratory: Compliance Certification Services

EUT Test Configuration 3

DUT: Sierra Wireless; Type: AC 755; Serial: N/A

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(6.3, 6.3, 6.3); 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

Middle/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 19.6 V/m

Power Drift = 0.005 dB

Maximum value of SAR = 0.359 mW/g

