

Test Laboratory: Compliance Certification Services Inc.

D5GHz V2 SN 1004

DUT: Dipole 5GHz ; Type: D5GHz V2; Serial: 1004

Communication System: CW5GHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.44 \text{ mho/m}$; $\epsilon_r = 36.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 25.5 deg C; Liquid Temperature: 24.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(4.28, 4.28, 4.28);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Pin=250mW,d=10mm f=5800MHz/Area Scan (8x8x1): Measurement

grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 46.1 mW/g

Pin=250mW,d=10mm f=5800MHz/Zoom Scan (8x8x8)/Cube 0:

Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 80.9 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 77.0 W/kg

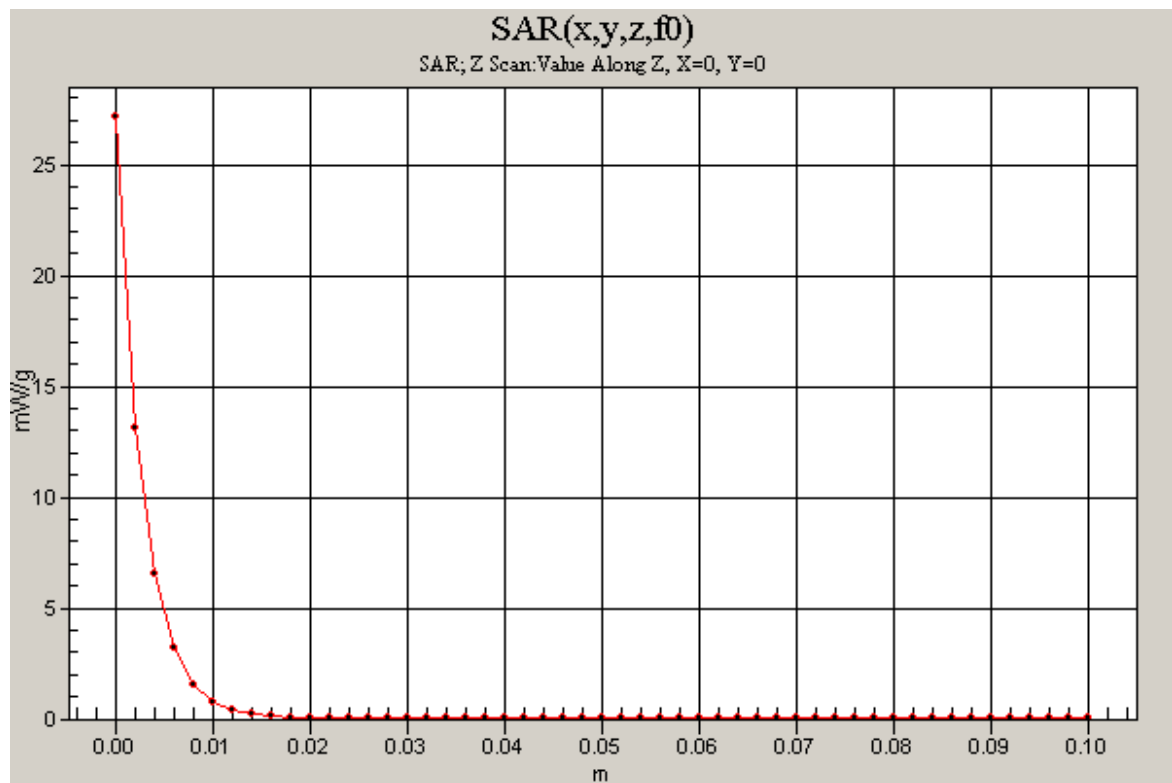
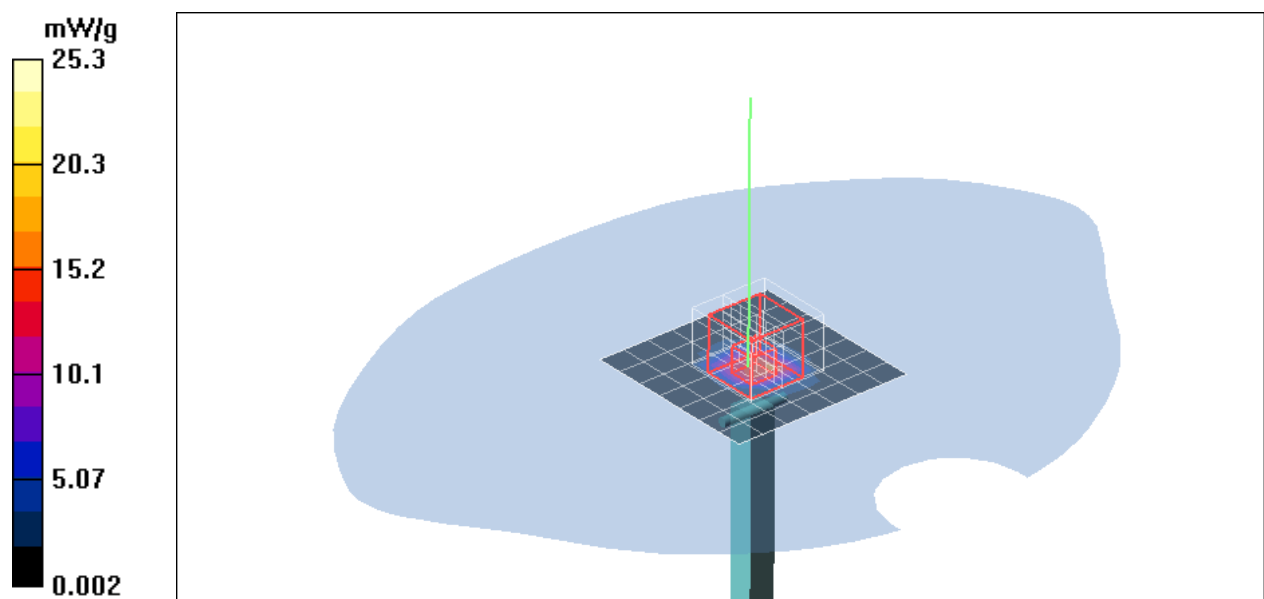
SAR(1 g) = 19.2 mW/g; SAR(10 g) = 4.88 mW/g

Maximum value of SAR (measured) = 25.3 mW/g

Pin=250mW,d=10mm f=5800MHz/Z Scan (1x1x51): Measurement grid:

dx=20mm, dy=20mm, dz=2mm

Maximum value of SAR (measured) = 41.2 mW/g



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D5GHz V2 SN 1004

DUT: Dipole 5GHz ; Type: D5GHz V2; Serial: 1004

Communication System: CW5GHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.25 \text{ mho/m}$; $\epsilon_r = 47.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 25.5 deg C; Liquid Temperature: 24.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(3.61, 3.61, 3.61);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Pin=250mW,d=10mm f=5800MHz/Area Scan (8x8x1): Measurement

grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 18.1 mW/g

Pin=250mW,d=10mm f=5800MHz/Zoom Scan (8x8x8)/Cube 0:

Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 73.8 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 79.7 W/kg

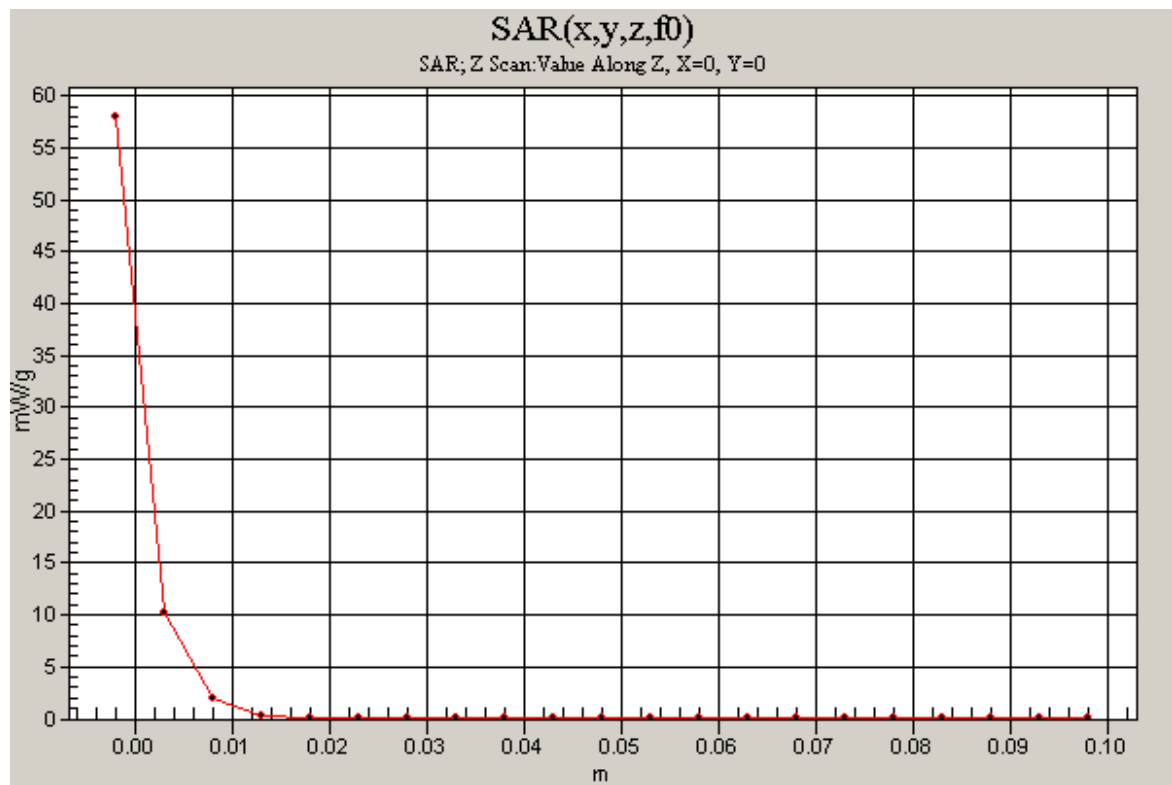
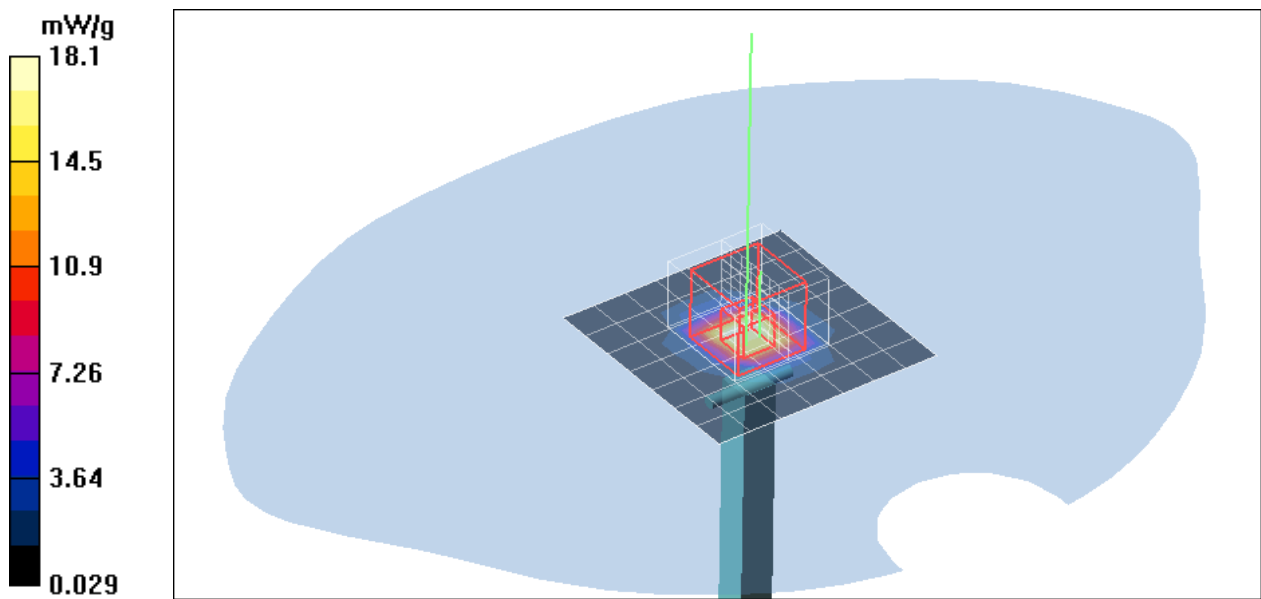
SAR(1 g) = 17.1 mW/g; SAR(10 g) = 4.76 mW/g

Maximum value of SAR (measured) = 27.9 mW/g

Pin=250mW,d=10mm f=5800MHz/Z Scan (1x1x21): Measurement grid:

dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 58.0 mW/g



Test Laboratory: Compliance Certification Services Inc.

5.8GHz-Left Head 28052xxx

DUT: 28052xxx; Type: handset; Serial: N/A

Communication System: 802.11A ; Frequency: 5829.408 MHz;Duty Cycle: 1:21.60

Medium parameters used (interpolated): $f = 5829.408 \text{ MHz}$; $\sigma = 5.48 \text{ mho/m}$; $\epsilon_r = 36.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(4.28, 4.28, 4.28);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Left Cheek Middle CH5/Area Scan (8x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.135 mW/g

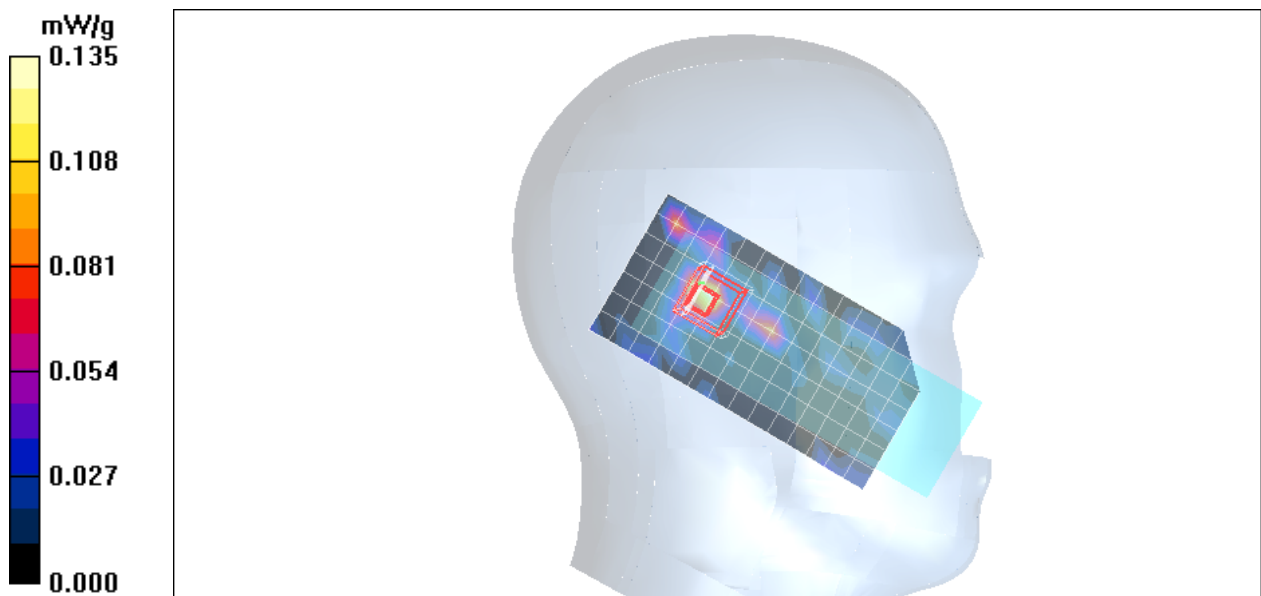
Left Cheek Middle CH5/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.07 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.146 mW/g



Test Laboratory: Compliance Certification Services Inc.

5.8GHz-Left Head 28052xxx

DUT: 28052xxx; Type: handset; Serial: N/A

Communication System: 802.11A ; Frequency: 5829.408 MHz; Duty Cycle: 1:21.60

Medium parameters used (interpolated): $f = 5829.408$ MHz; $\sigma = 5.48$ mho/m; $\epsilon_r = 36.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Air Temperature: 25.5 deg C; Liquid Temperature: 24.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(4.28, 4.28, 4.28);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Left Tilted Middle CH5/Area Scan (8x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.147 mW/g

Left Tilted Middle CH5/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.75 V/m; Power Drift = -0.126 dB

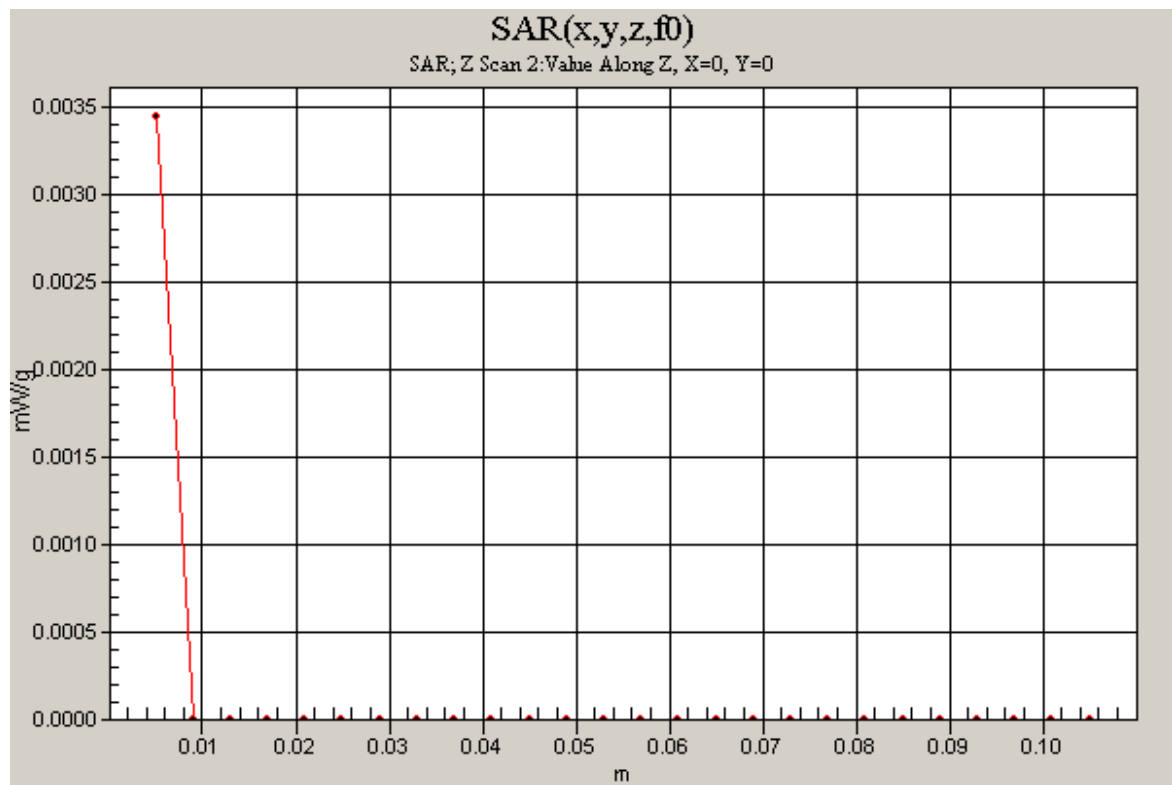
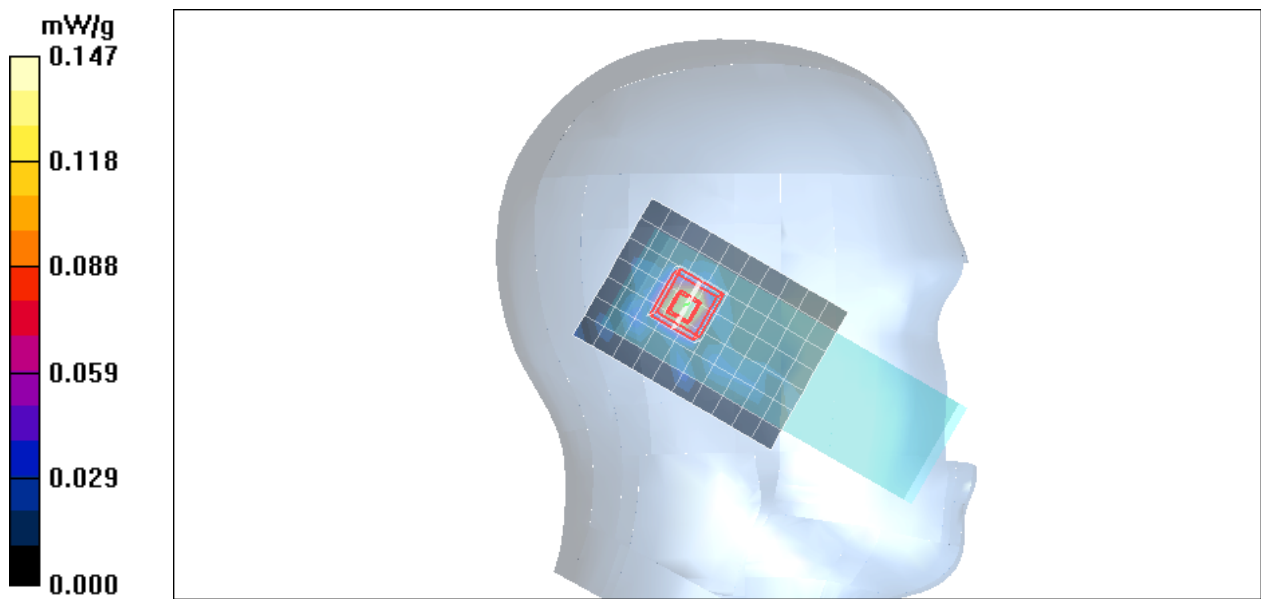
Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.161 mW/g

Left Cheek Middle CH5/Z Scan (1x1x26): Measurement grid: dx=20mm, dy=20mm, dz=4mm

Maximum value of SAR (measured) = 0.003 mW/g



Test Laboratory: Compliance Certification Services Inc.

5.8GHz-Right Head 28052xxx

DUT: 28052xxx; Type: handset; Serial: N/A

Communication System: 802.11A ; Frequency: 5829.408 MHz; Duty Cycle: 1:21.60

Medium parameters used (interpolated): $f = 5829.408 \text{ MHz}$; $\sigma = 5.48 \text{ mho/m}$; $\epsilon_r = 36.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Air Temperature: 25.5 deg C; Liquid Temperature: 24.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(4.28, 4.28, 4.28);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Right Cheek Middle CH5/Area Scan (8x15x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.130 mW/g

Right Cheek Middle CH5/Zoom Scan (7x7x9)/Cube 0: Measurement

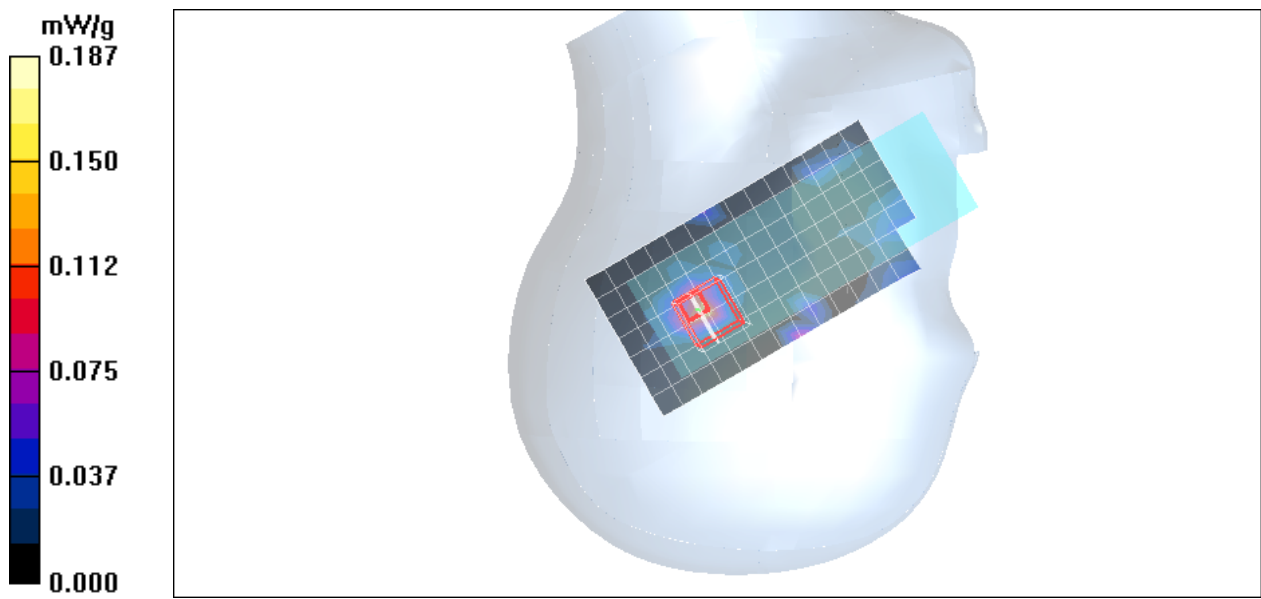
grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.19 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.475 W/kg

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.00837 mW/g

Maximum value of SAR (measured) = 0.187 mW/g



Test Laboratory: Compliance Certification Services Inc.

5.8GHz-Right Head 28052xxx

DUT: 28052xxx; Type: handset; Serial: N/A

Communication System: 802.11A ; Frequency: 5829.408 MHz; Duty Cycle: 1:21.60

Medium parameters used (interpolated): $f = 5829.408$ MHz; $\sigma = 5.48$ mho/m; $\epsilon_r = 36.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Air Temperature: 25.5 deg C; Liquid Temperature: 24.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(4.28, 4.28, 4.28);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Right Tilted Middle CH5/Area Scan (8x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.127 mW/g

Right Tilted Middle CH5/Zoom Scan (7x7x9)/Cube 0: Measurement

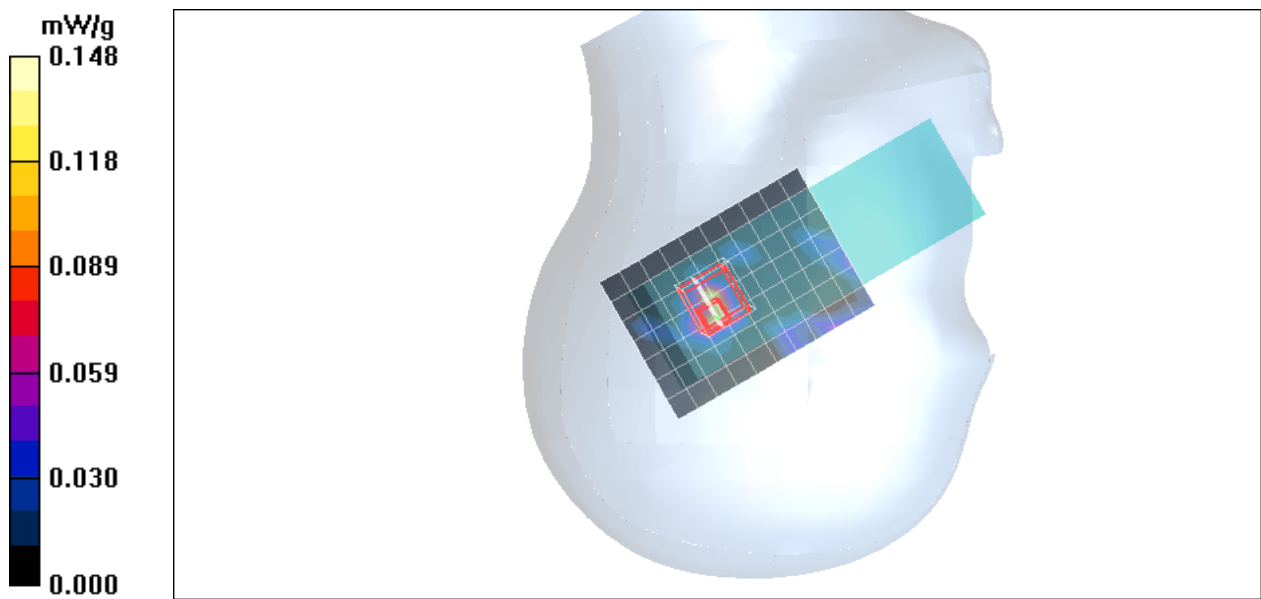
grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.68 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.148 mW/g



Test Laboratory: Compliance Certification Services Inc.

5.8GHz Bottom Flat Touched 28052xxx

DUT: 28052xxx; Type: handset; Serial: N/A

Communication System: 802.11A ; Frequency: 5829.408 MHz; Duty Cycle: 1:21.60

Medium parameters used (interpolated): $f = 5829.408$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 25.5 deg C; Liquid Temperature: 24.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(3.61, 3.61, 3.61);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body Front Middle CH5/Area Scan (8x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.051 mW/g

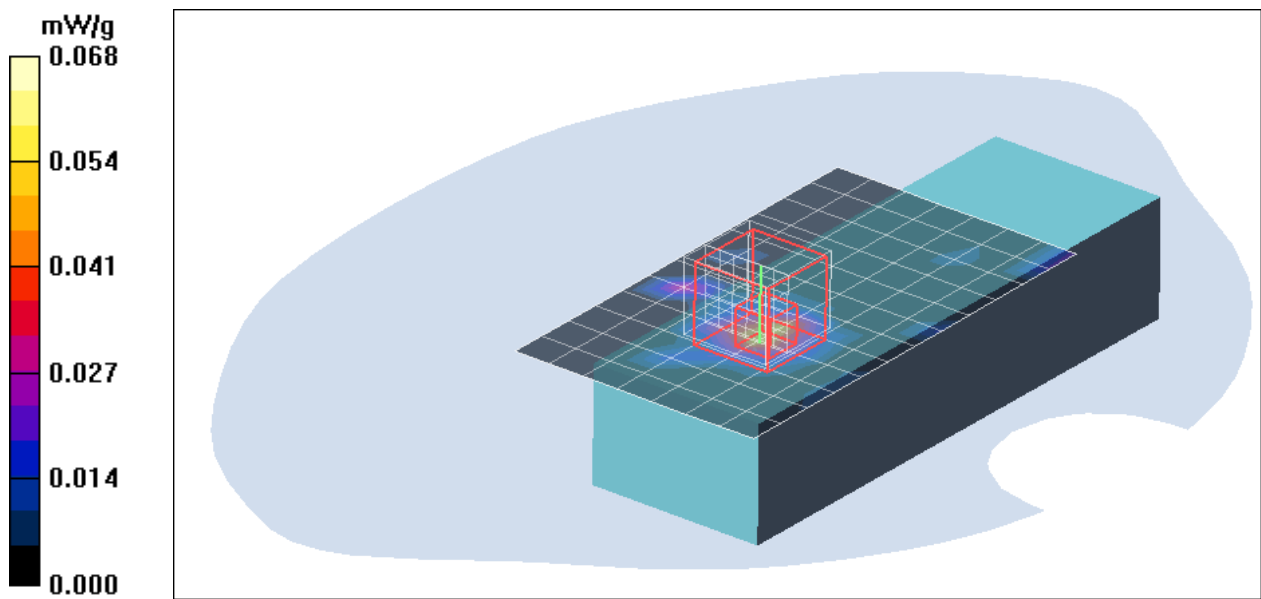
Body Front Middle CH5/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.85 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.068 mW/g



Test Laboratory: Compliance Certification Services Inc.

5.8GHz Bottom Flat Touched 28052xxx

DUT: 28052xxx; Type: handset; Serial: N/A

Communication System: 802.11A ; Frequency: 5829.408 MHz; Duty Cycle: 1:21.60

Medium parameters used (interpolated): $f = 5829.408 \text{ MHz}$; $\sigma = 6.29 \text{ mho/m}$; $\epsilon_r = 47.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 25.5 deg C; Liquid Temperature: 24.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(3.61, 3.61, 3.61);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body Back Middle CH5/Area Scan (8x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.173 mW/g

Body Back Middle CH5/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.38 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.164 mW/g

