

Test Laboratory: Compliance Certification Services Inc.

D835V2-SN 4d015-Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d015

Communication System: CW 835; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.951 \text{ mho/m}$; $\epsilon_r = 55.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.02 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

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

Reference Value = 53.0 V/m; Power Drift = -0.002 dB

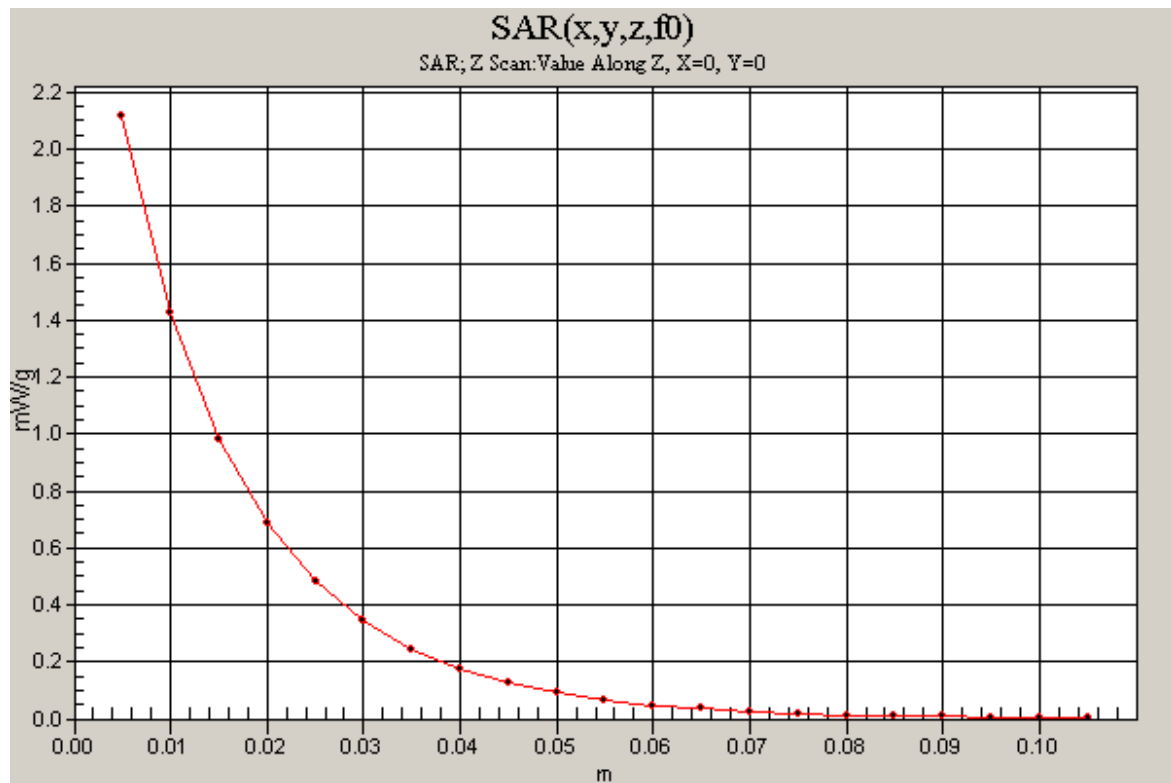
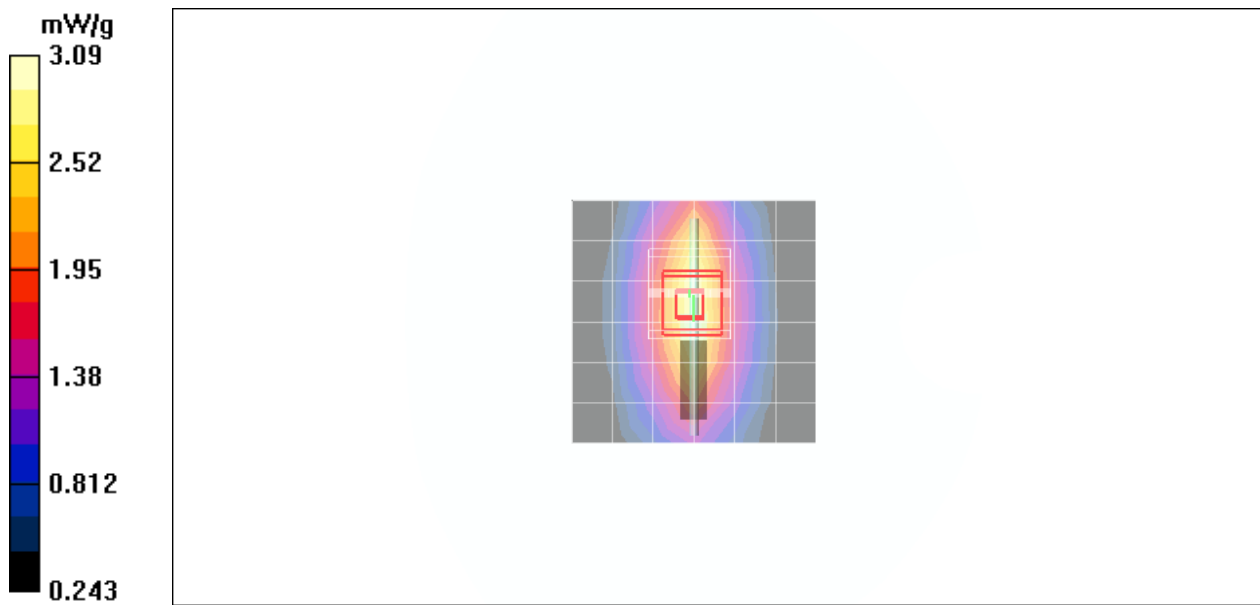
Peak SAR (extrapolated) = 3.85 W/kg

SAR(1 g) = 2.52 mW/g; SAR(10 g) = 1.62 mW/g

Maximum value of SAR (measured) = 3.09 mW/g

d=10mm, Pin=250mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 2.12 mW/g



Test Laboratory: Compliance Certification Services Inc.

D1900V2 SN-5d056 Body

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d056

Communication System: CW1900; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Pin=250mW,d=10mm/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.90 mW/g

Pin=250mW,d=10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

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

Reference Value = 95.8 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 17.4 W/kg

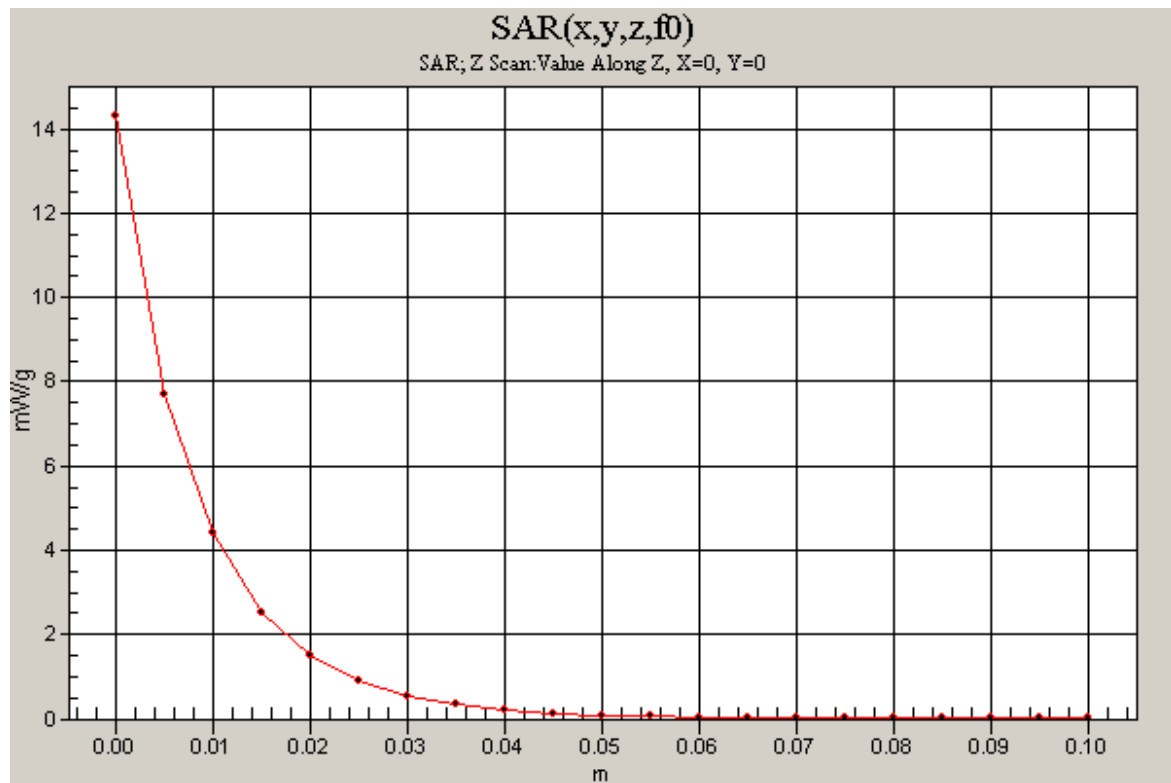
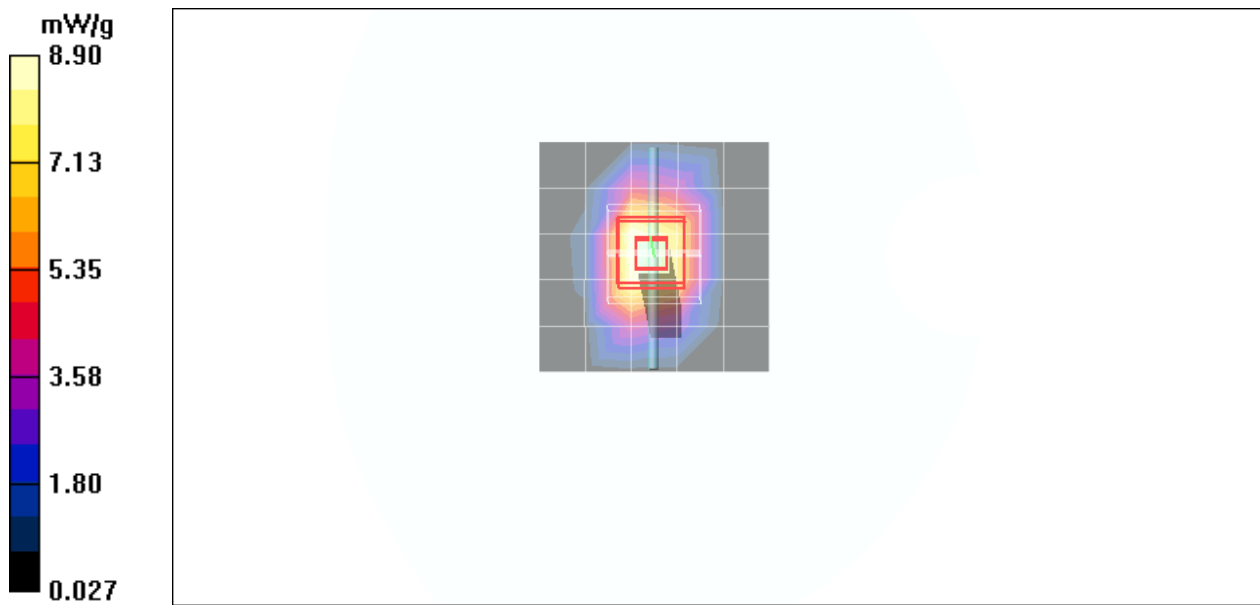
SAR(1 g) = 9.70 mW/g; SAR(10 g) = 5.01 mW/g

Maximum value of SAR (measured) = 13.4 mW/g

Pin=250mW,d=10mm/Z Scan (1x1x21): Measurement grid: dx=20mm,

dy=20mm, dz=5mm

Maximum value of SAR (measured) = 14.3 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850 Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.922 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN GSM 850 Middle CH190/Area Scan (9x9x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.042 mW/g

WWAN GSM 850 Middle CH190/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.70 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.045 mW/g

WWAN GSM 850 Middle CH190/Zoom Scan (7x7x9)/Cube 1:

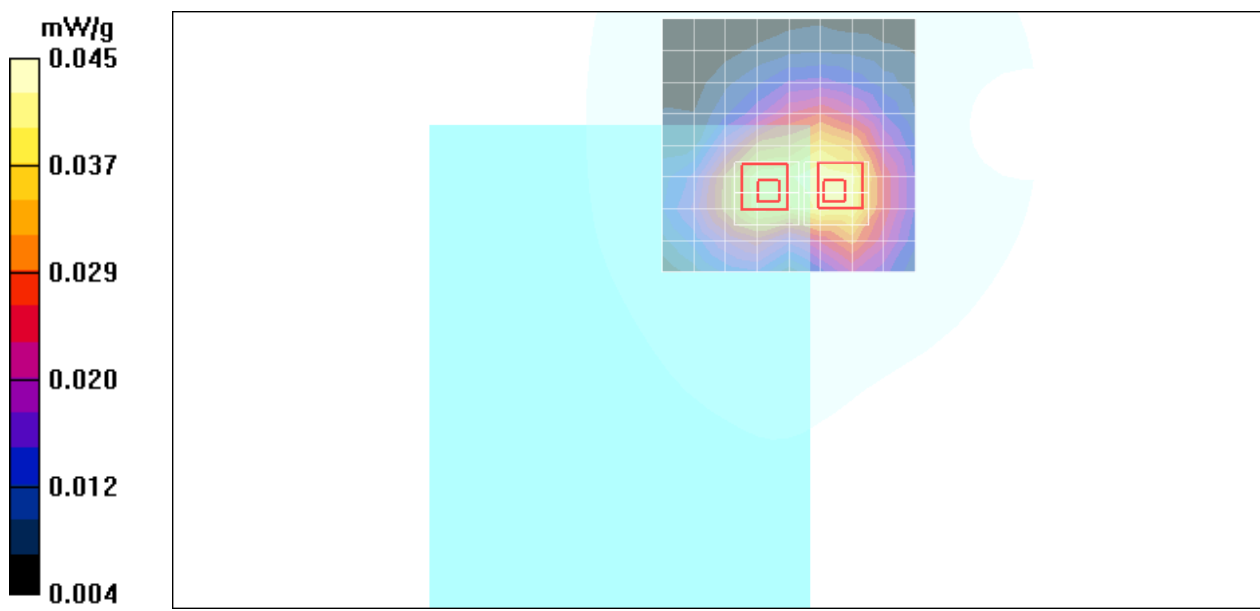
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.70 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.052 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.043 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850 Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.922 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN GSM 850 Middle CH190/Area Scan (9x9x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.040 mW/g

WWAN GSM 850 Middle CH190/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.69 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.054 W/kg

SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.043 mW/g

WWAN GSM 850 Middle CH190/Zoom Scan (7x7x9)/Cube 1:

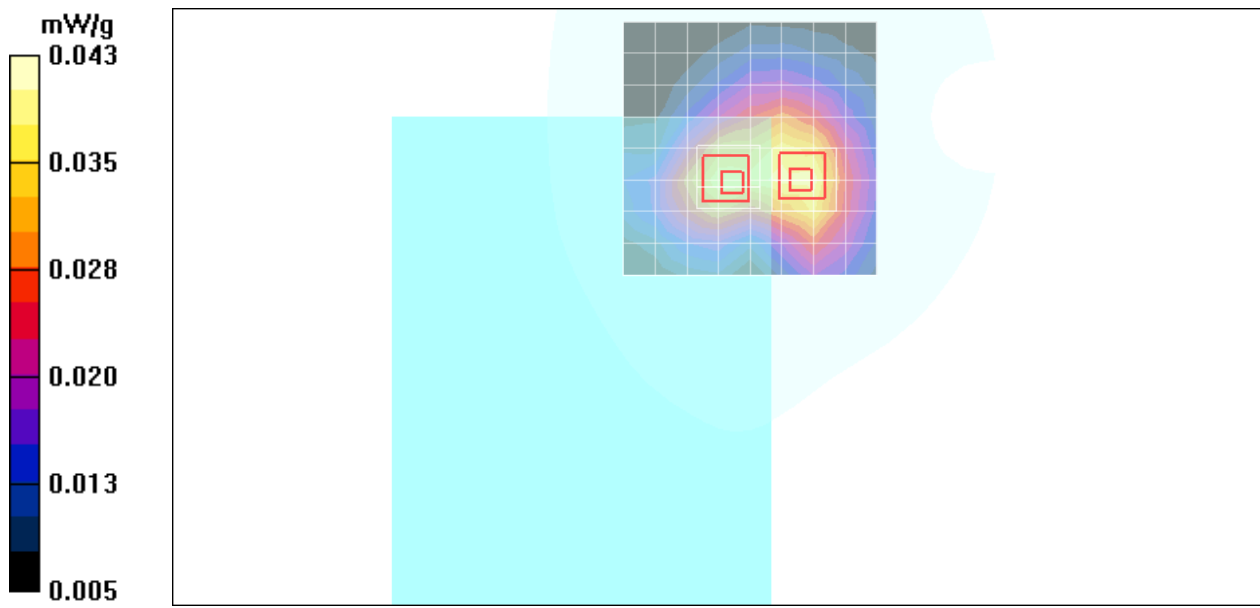
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.69 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.048 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.043 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900 Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN PCS 1900 Middle CH661/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.085 mW/g

WWAN PCS 1900 Middle CH661/Zoom Scan (7x7x9)/Cube 0:

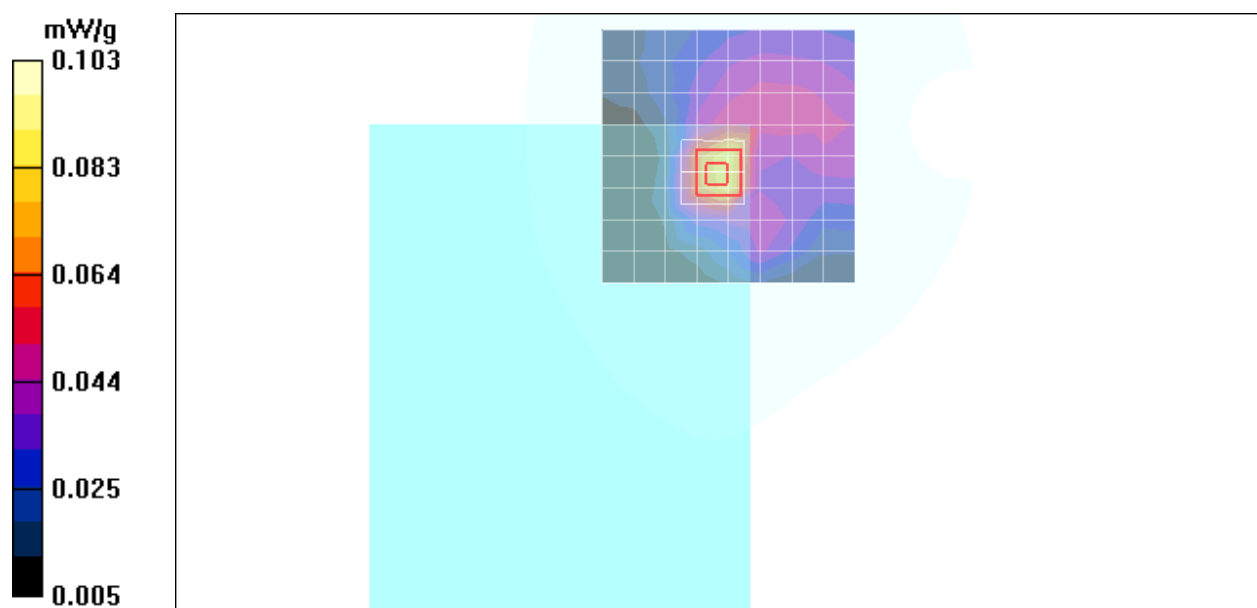
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.76 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.103 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900 Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN PCS 1900 Middle CH661/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.059 mW/g

WWAN PCS 1900 Middle CH661/Zoom Scan (7x7x9)/Cube 0:

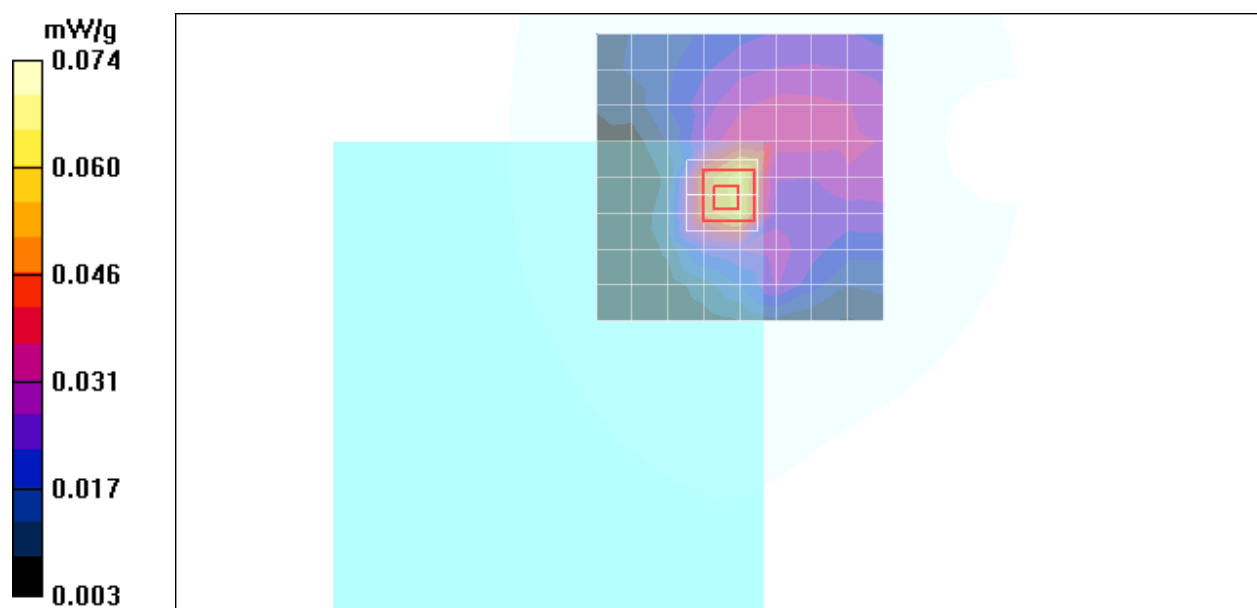
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.82 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.096 W/kg

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.074 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 850 Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN GPRS 850 Middle CH190/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.070 mW/g

WWAN GPRS 850 Middle CH190/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.02 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.088 W/kg

SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.075 mW/g

WWAN GPRS 850 Middle CH190/Zoom Scan (7x7x9)/Cube 1:

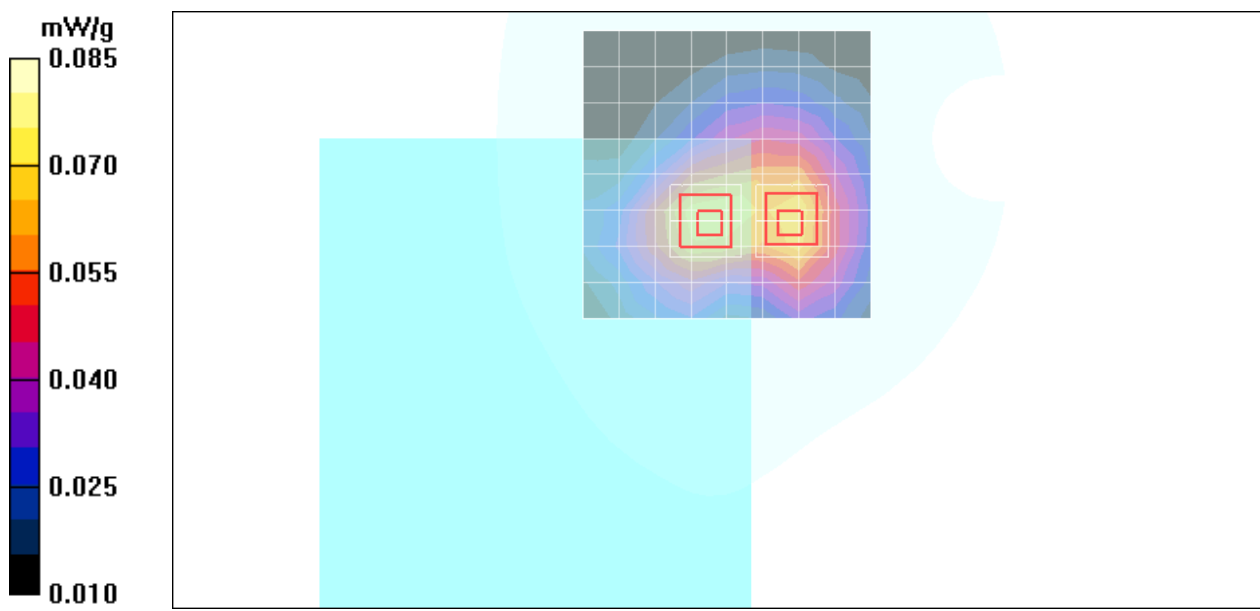
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.02 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.074 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 850 Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN GPRS 850 Middle CH190/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.080 mW/g

WWAN GPRS 850 Middle CH190/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.30 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.085 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.072 mW/g

WWAN GPRS 850 Middle CH190/Zoom Scan (7x7x9)/Cube 1:

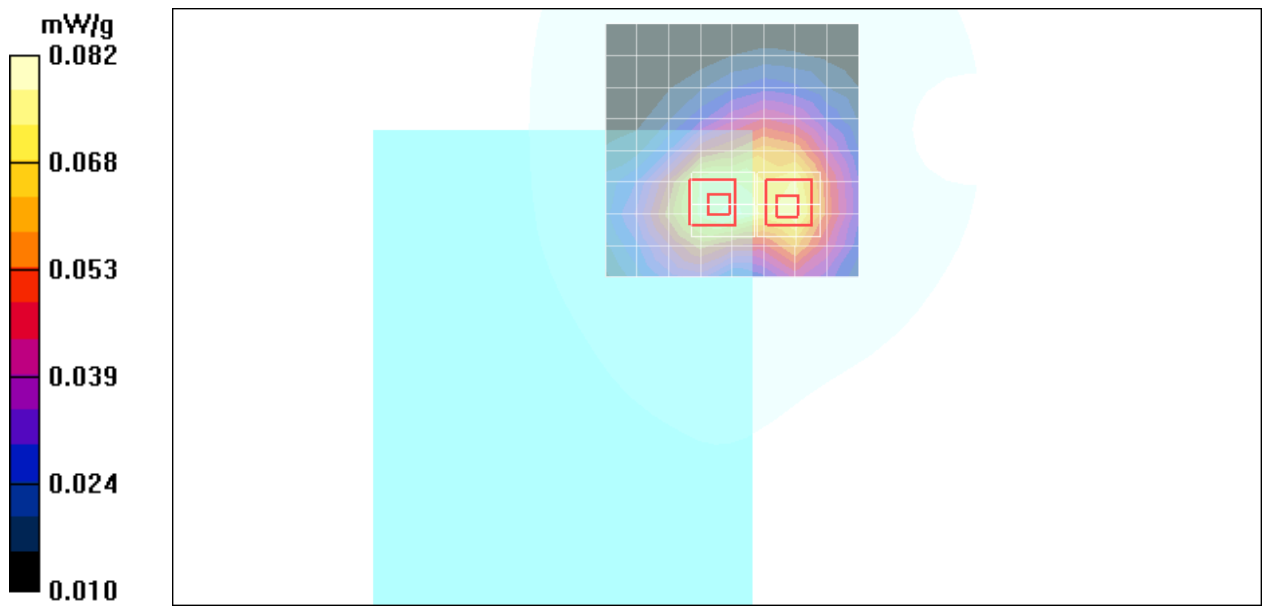
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.30 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.095 W/kg

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.076 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 1900 Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN GPRS 1900 Middle CH661/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

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

WWAN GPRS 1900 Middle CH661/Zoom Scan (7x7x9)/Cube 0:

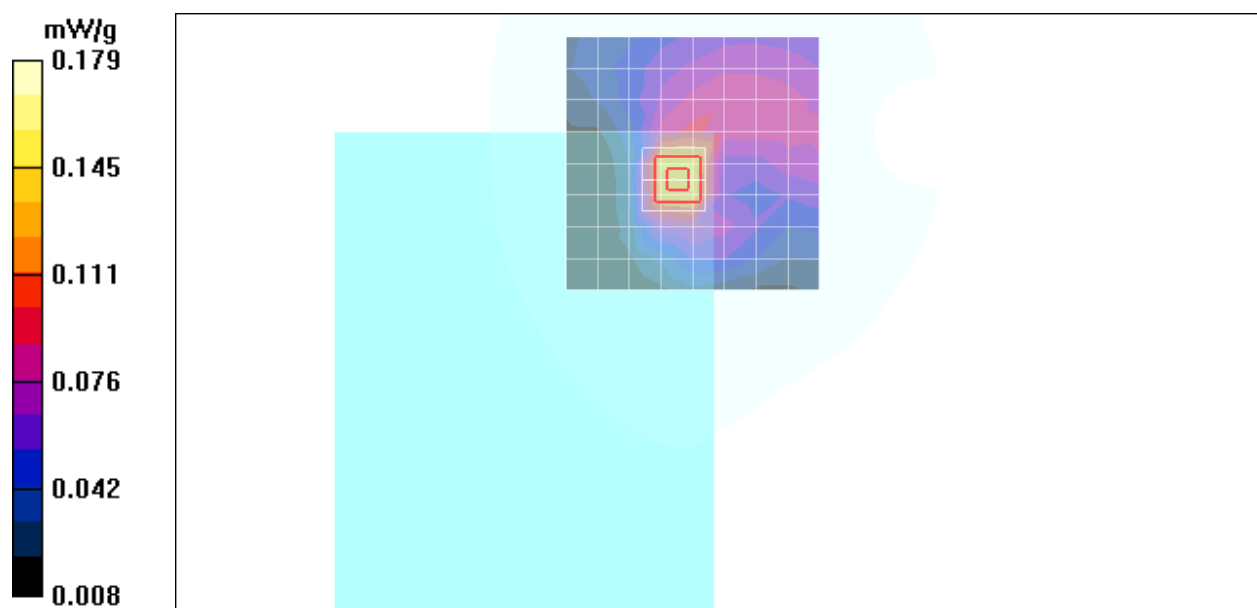
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.84 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.179 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 1900 Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN GPRS 1900 Middle CH661/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.116 mW/g

WWAN GPRS 1900 Middle CH661/Zoom Scan (7x7x9)/Cube 0:

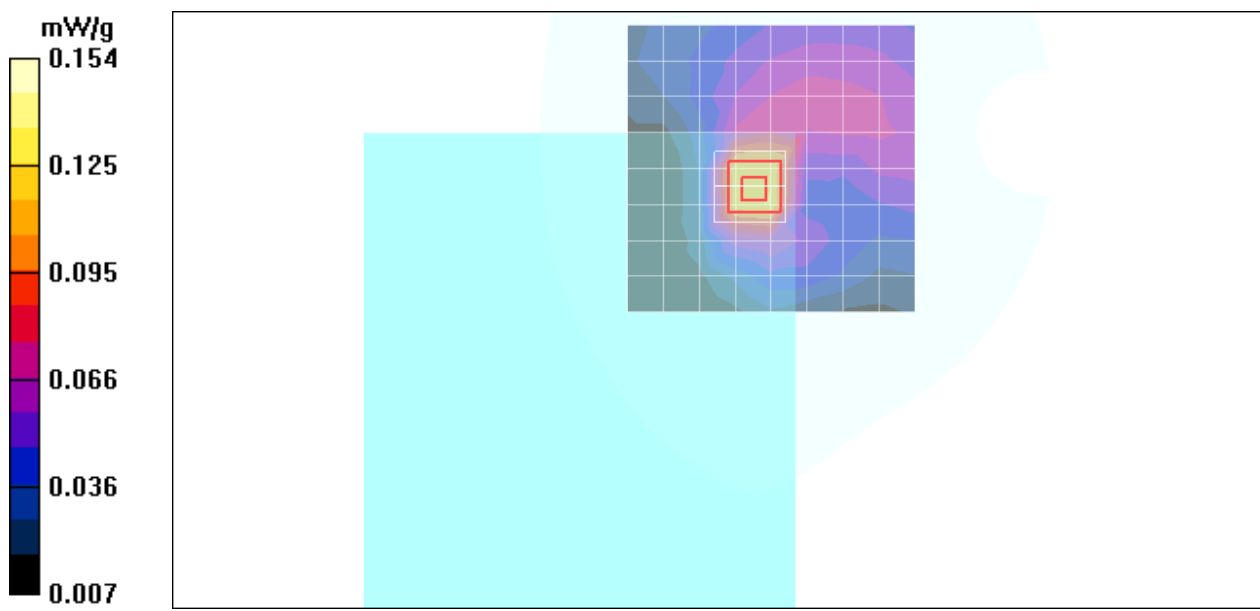
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.84 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.154 mW/g



Test Laboratory: Compliance Certification Services Inc.

EGPRS 850 Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: EGPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.922 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN EGPRS 850 Middle CH190/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.028 mW/g

WWAN EGPRS 850 Middle CH190/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.45 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.034 W/kg

SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.029 mW/g

WWAN EGPRS 850 Middle CH190/Zoom Scan (7x7x9)/Cube 1:

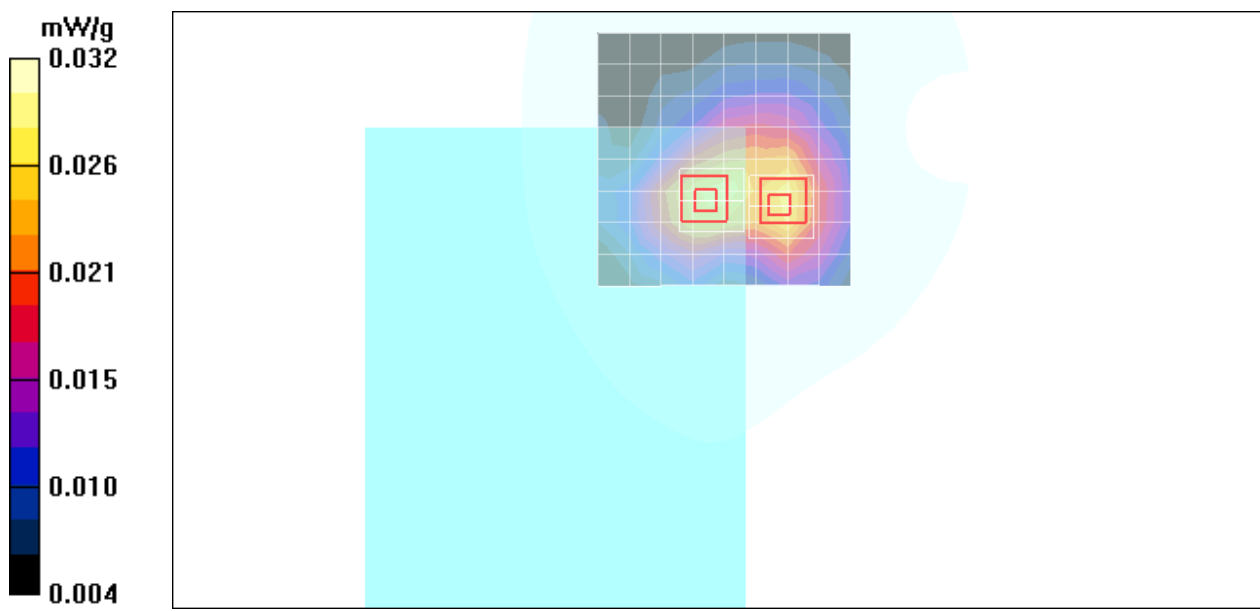
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.45 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.036 W/kg

SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.029 mW/g



Test Laboratory: Compliance Certification Services Inc.

EGPRS 850 Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: EGPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN EGPRS 850 Middle CH190/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.023 mW/g

WWAN EGPRS 850 Middle CH190/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.01 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.023 mW/g

WWAN EGPRS 850 Middle CH190/Zoom Scan (7x7x9)/Cube 1:

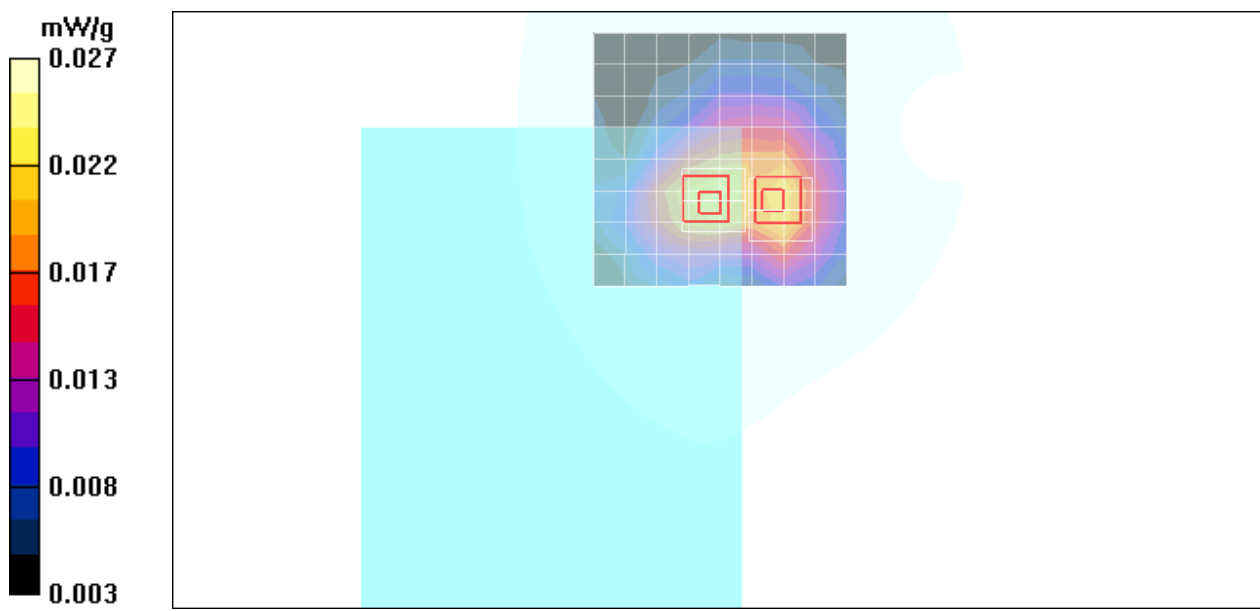
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.01 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 0.029 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.013 mW/g

Maximum value of SAR (measured) = 0.023 mW/g



Test Laboratory: Compliance Certification Services Inc.

EGPRS 1900 Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: EGPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN EGPRS 1900 Middle CH661/Area Scan (9x9x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.065 mW/g

WWAN EGPRS 1900 Middle CH661/Zoom Scan (7x7x9)/Cube 0:

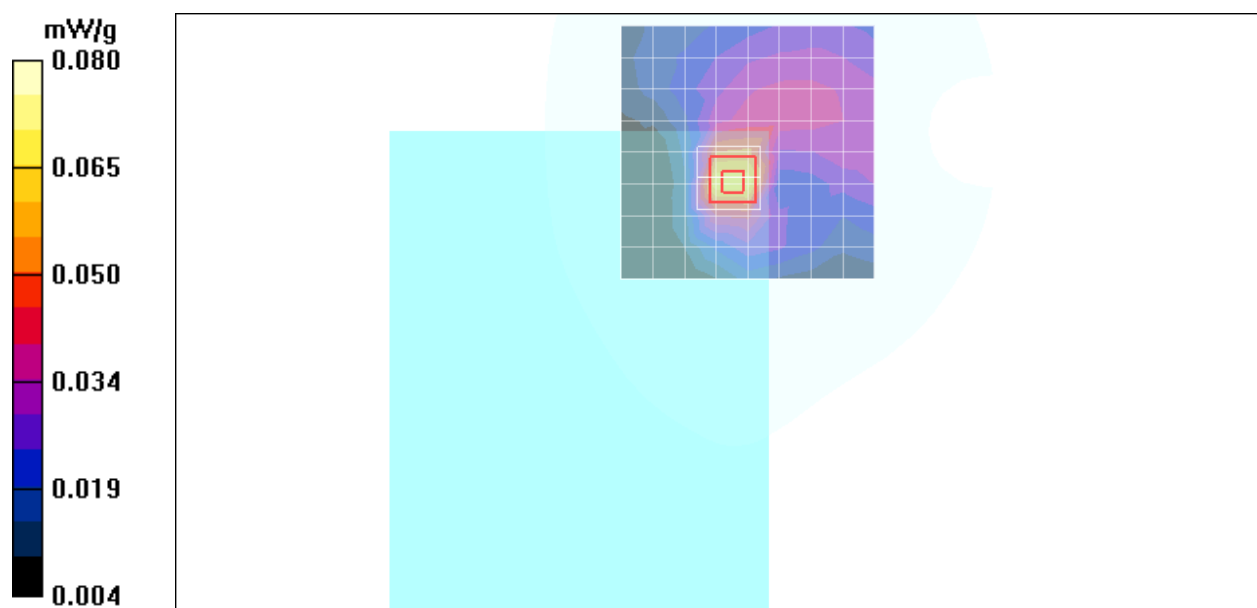
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.04 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.036 mW/g

Maximum value of SAR (measured) = 0.080 mW/g



Test Laboratory: Compliance Certification Services Inc.

EGPRS 1900 Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: EGPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN EGPRS 1900 Middle CH661/Area Scan (9x9x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.049 mW/g

WWAN EGPRS 1900 Middle CH661/Zoom Scan (7x7x9)/Cube 0:

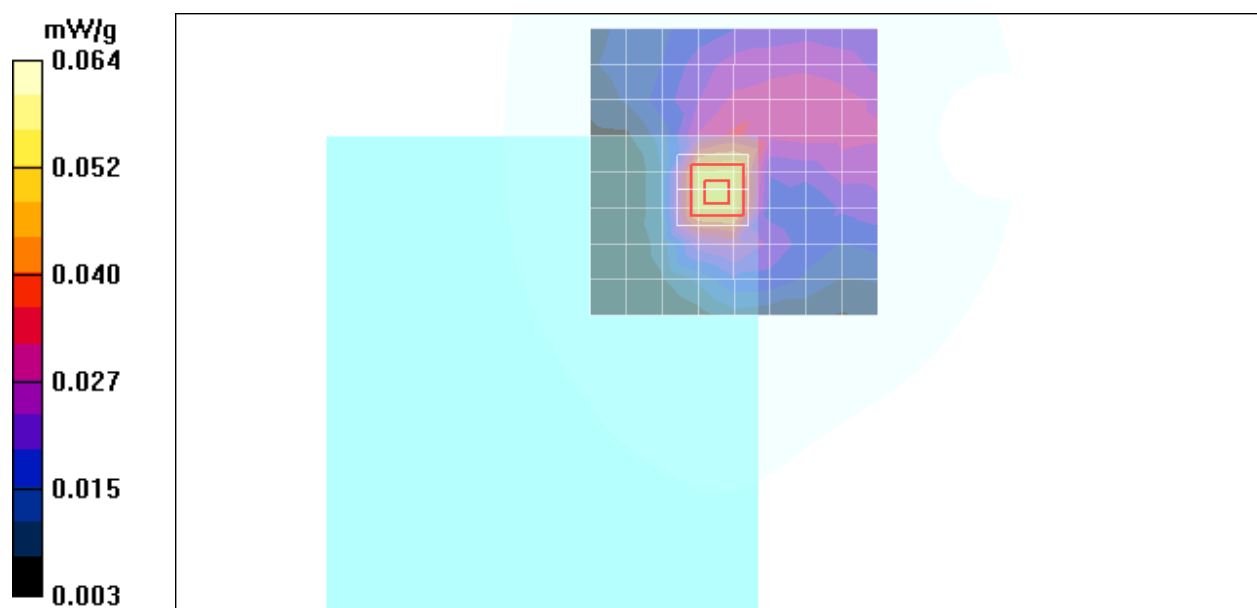
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.43 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.064 mW/g



Test Laboratory: Compliance Certification Services Inc.

WCDMA band II Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

102 WWAN band II Middle CH9400/Area Scan (9x10x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.196 mW/g

102 WWAN band II Middle CH9400/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.07 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.262 W/kg

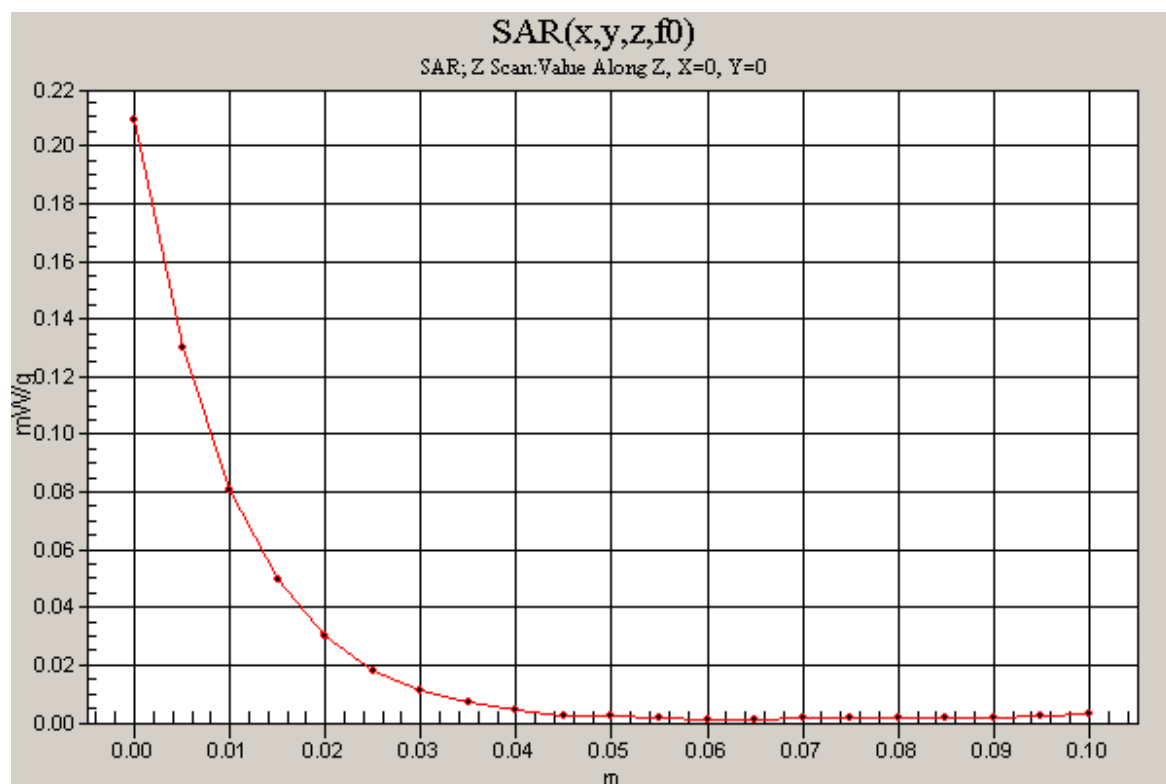
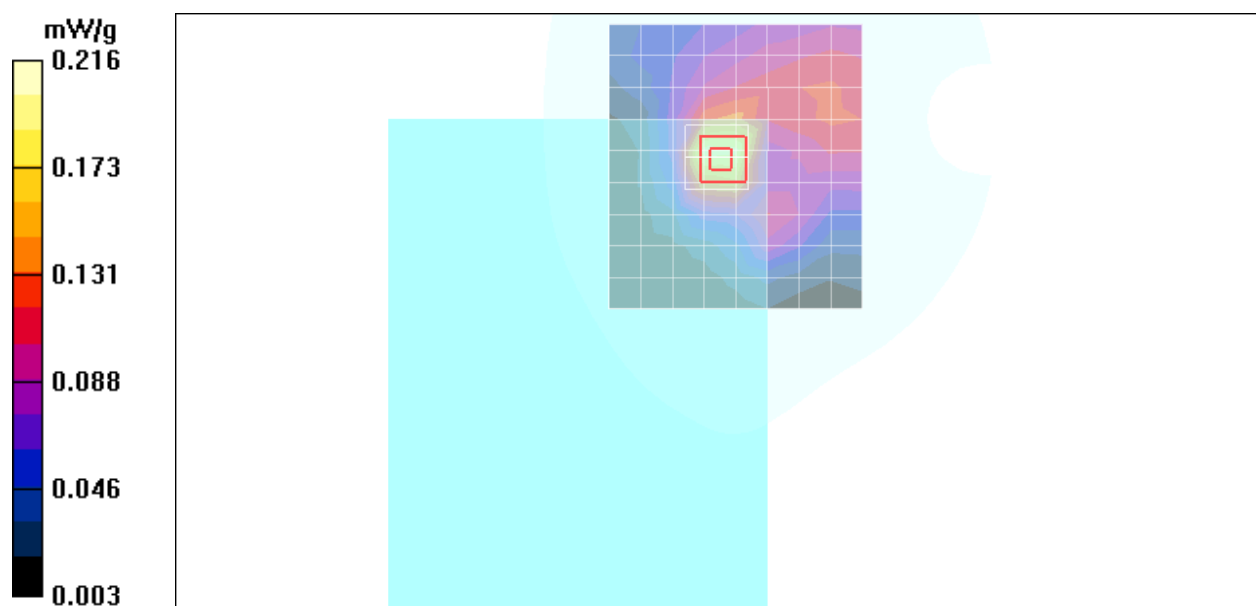
SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.210 mW/g

102 WWAN band II Middle CH9400/Z Scan (1x1x21): Measurement

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

Maximum value of SAR (measured) = 0.209 mW/g



Test Laboratory: Compliance Certification Services Inc.

WCDMA band II Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

89 WWAN band II Middle CH9400/Area Scan (8x8x1): Measurement
grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.158 mW/g

89 WWAN band II Middle CH9400/Zoom Scan (7x7x9)/Cube 0:

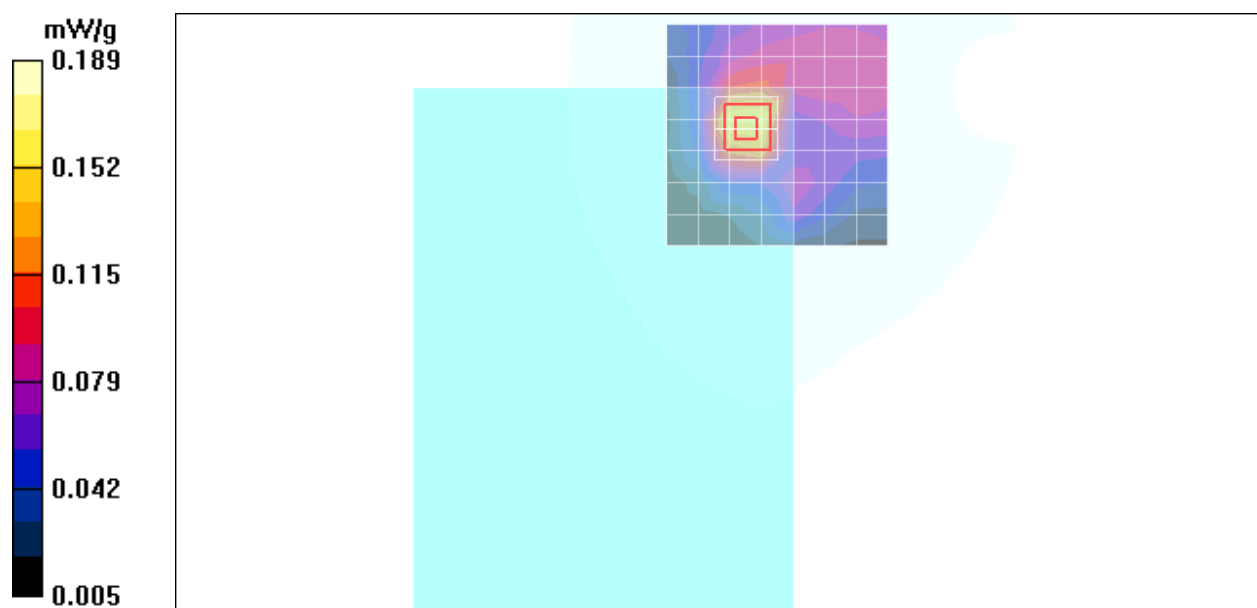
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.53 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.189 mW/g



Test Laboratory: Compliance Certification Services Inc.

WCDMA band V Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

102 WWAN band V Middle CH4182/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.074 mW/g

102 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.78 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.085 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.073 mW/g

102 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 1:

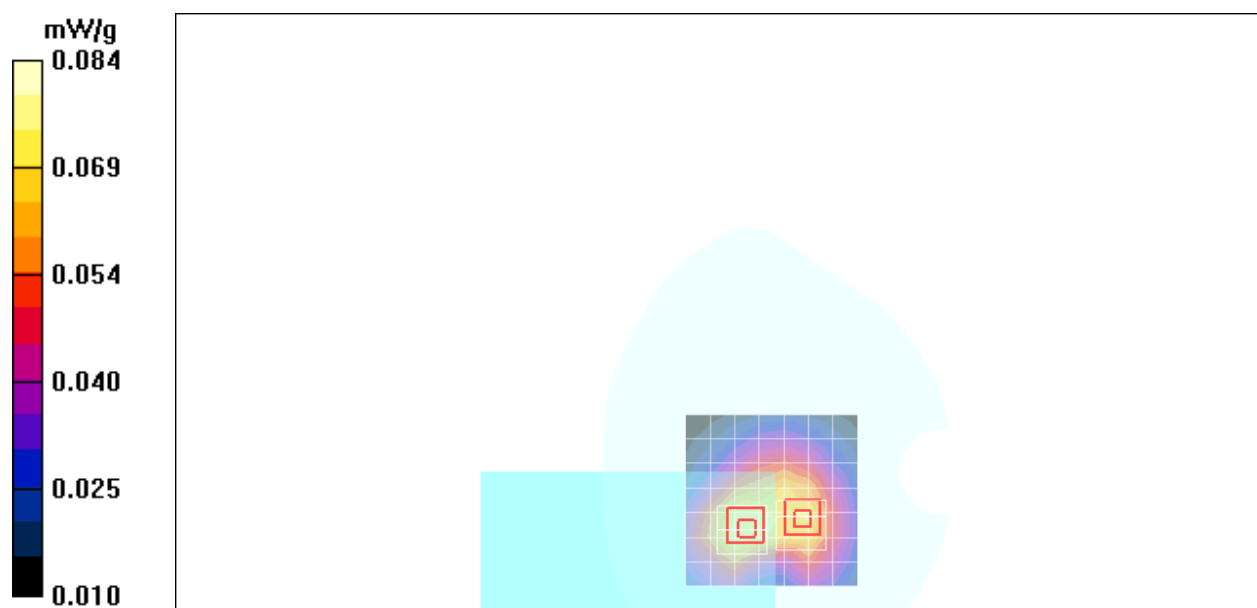
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.78 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.083 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.039 mW/g

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



Test Laboratory: Compliance Certification Services Inc.

WCDMA band V Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

89 WWAN band V Middle CH4182/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.056 mW/g

89 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.92 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.069 W/kg

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.059 mW/g

89 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 1:

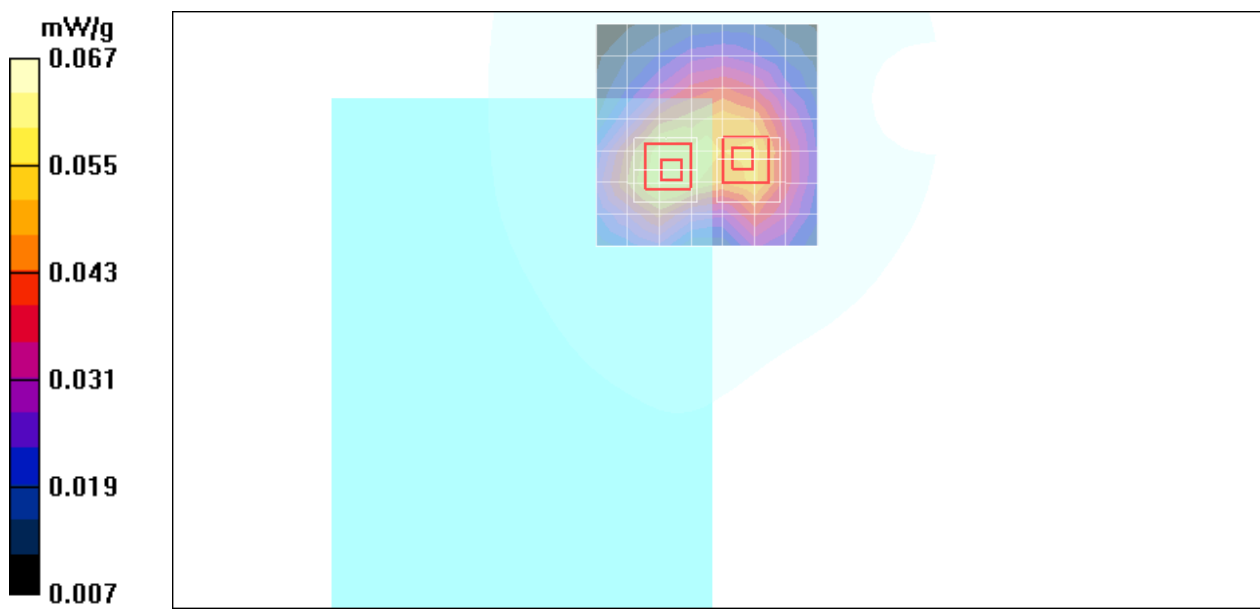
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.92 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.069 W/kg

SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.057 mW/g



Test Laboratory: Compliance Certification Services Inc.

HSDPA band II Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: HSDPA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

102 WWAN band II Middle CH9400/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.156 mW/g

102 WWAN band II Middle CH9400/Zoom Scan (7x7x9)/Cube 0:

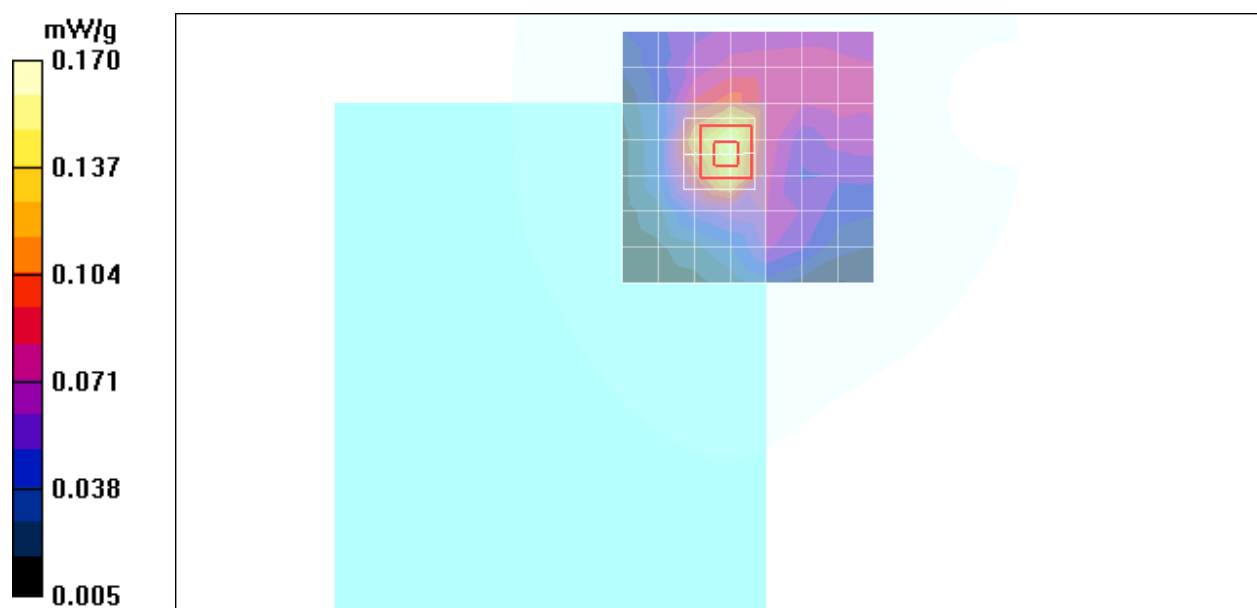
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.38 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.170 mW/g



Test Laboratory: Compliance Certification Services Inc.

HSDPA band II Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: HSDPA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

89 WWAN band II Middle CH9400/Area Scan (8x8x1): Measurement
grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.107 mW/g

89 WWAN band II Middle CH9400/Zoom Scan (7x7x9)/Cube 0:

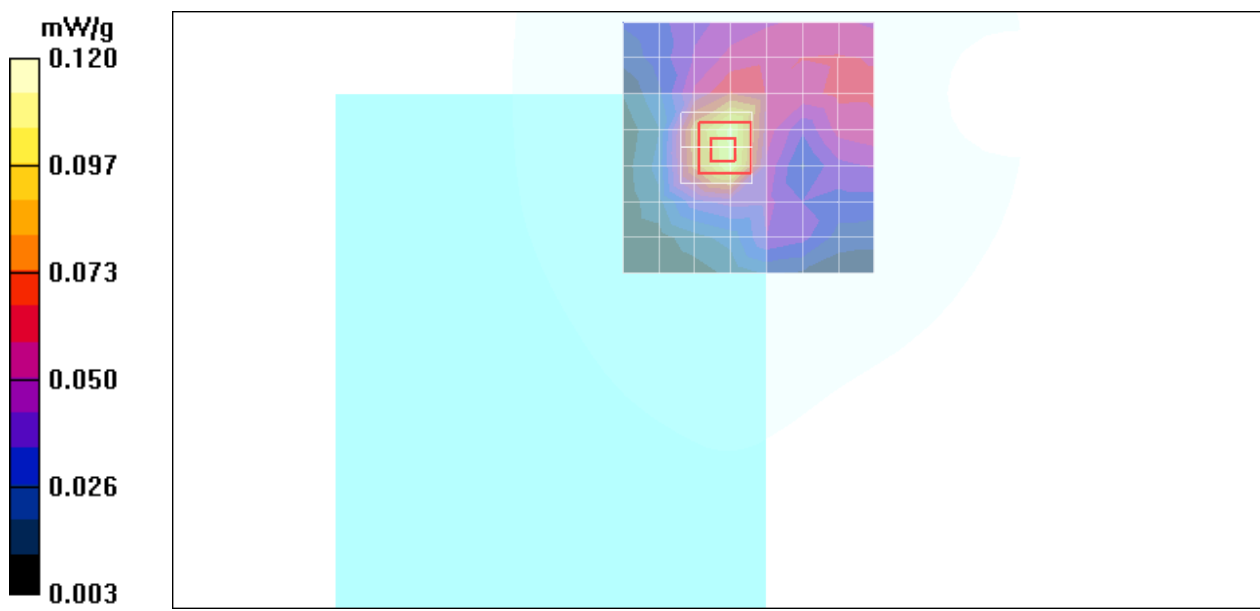
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.31 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.146 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.058 mW/g

Maximum value of SAR (measured) = 0.120 mW/g



Test Laboratory: Compliance Certification Services Inc.

HSDPA band V Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: HSDPA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

102 WWAN band V Middle CH4182/Area Scan (9x10x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.077 mW/g

102 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.22 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.087 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.070 mW/g

102 WWAN band V Middle CH4182/Zoom Scan (7x7x11)/Cube 1:

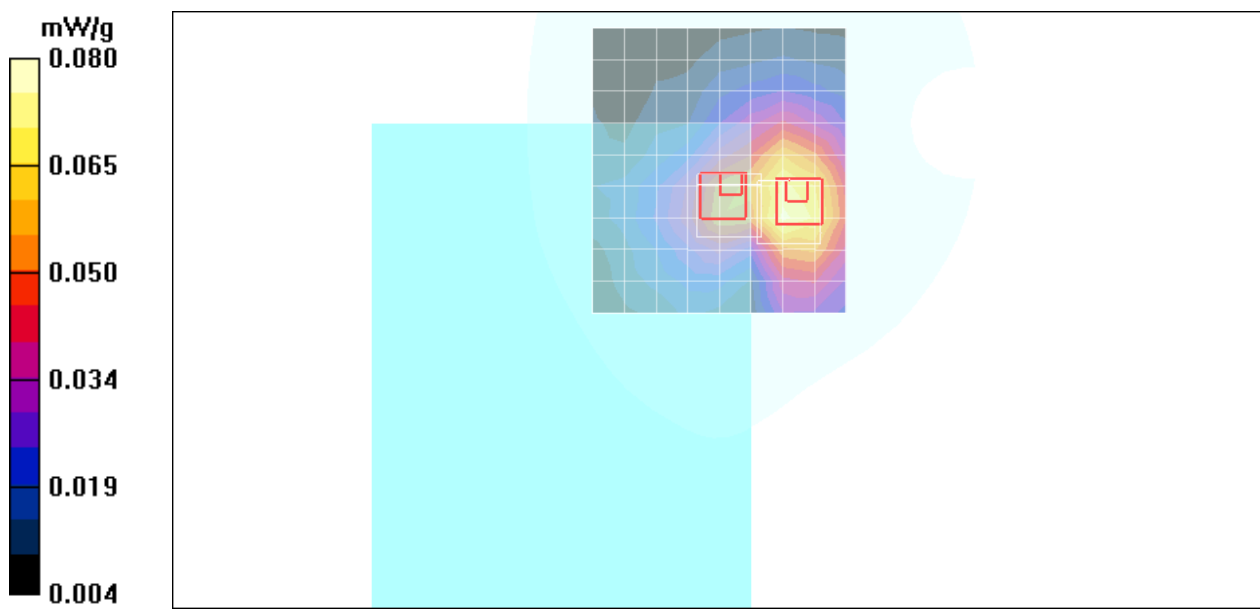
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.22 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.059 mW/g



Test Laboratory: Compliance Certification Services Inc.

HSDPA band V Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: HSDPA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

89 WWAN band V Middle CH4182/Area Scan (9x9x1): Measurement
grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.048 mW/g

89 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.08 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.062 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.050 mW/g

89 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 1:

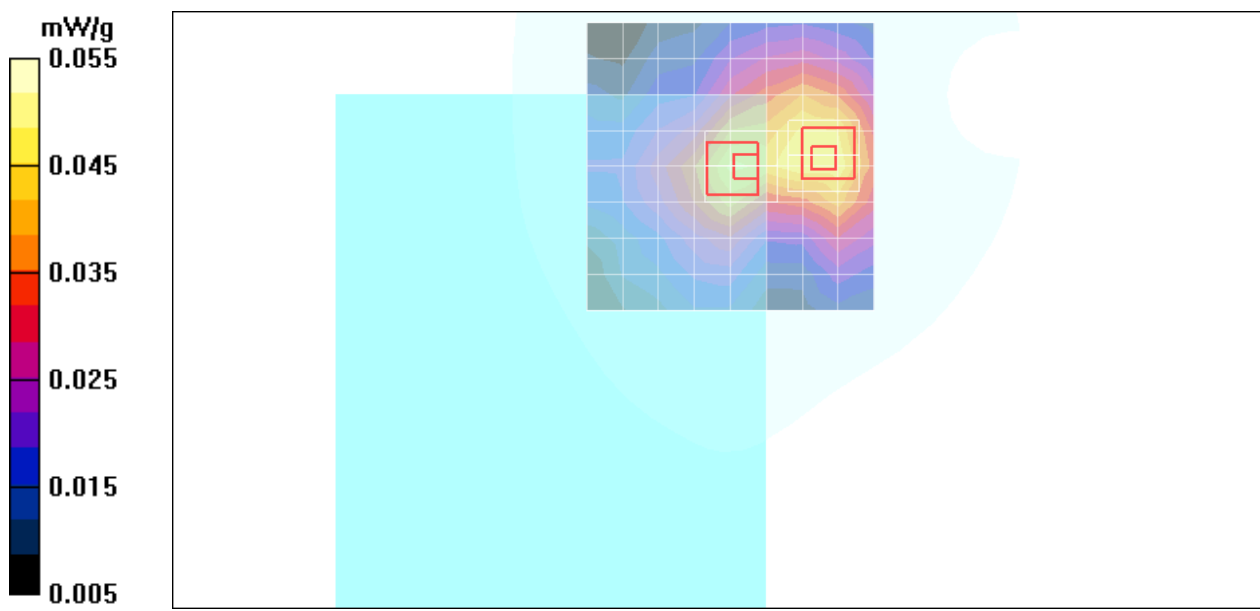
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.08 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.045 mW/g



Test Laboratory: Compliance Certification Services Inc.

HSUPA band II Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: HSUPA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

102 WWAN band II Middle CH9400/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.159 mW/g

102 WWAN band II Middle CH9400/Zoom Scan (7x7x11)/Cube

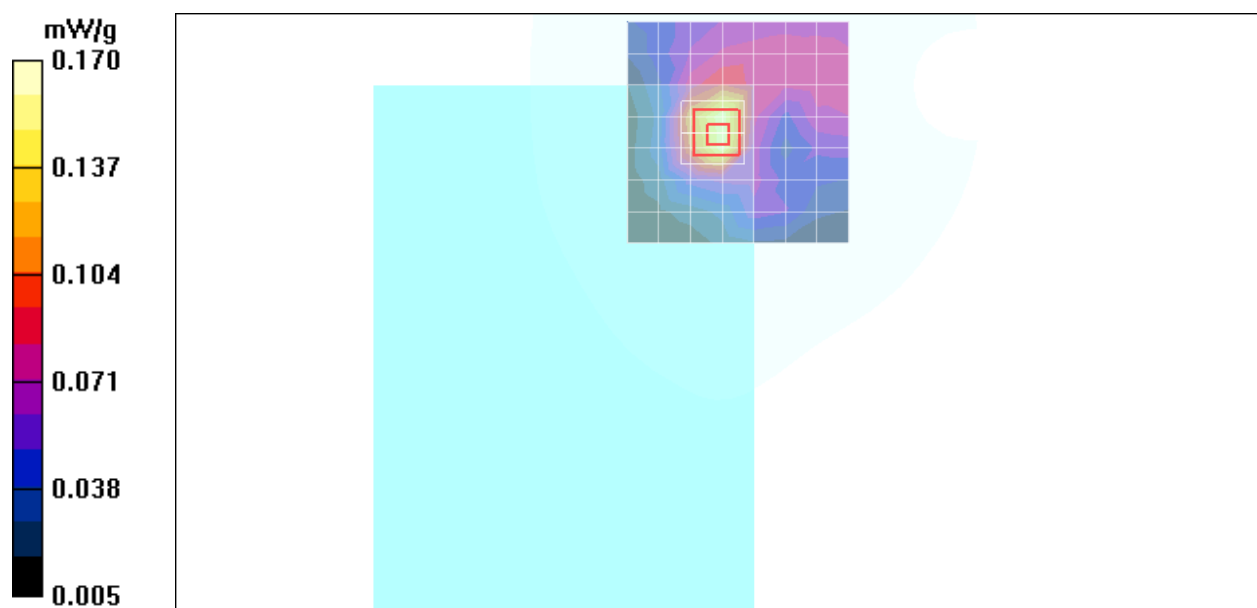
0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.19 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.170 mW/g



Test Laboratory: Compliance Certification Services Inc.

HSUPA band II Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: HSUPA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

89 WWAN band II Middle CH9400/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.143 mW/g

89 WWAN band II Middle CH9400/Zoom Scan (7x7x9)/Cube 0:

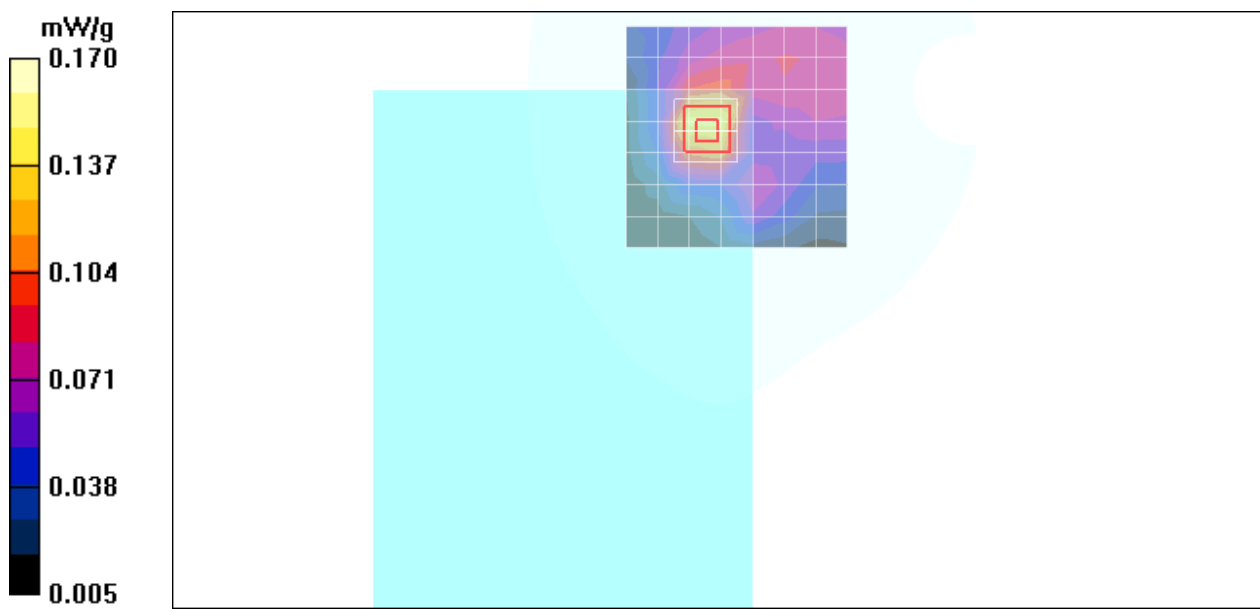
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.21 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.078 mW/g

Maximum value of SAR (measured) = 0.170 mW/g



Test Laboratory: Compliance Certification Services Inc.

HSUPA band V Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: HSUPA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

102 WWAN band V Middle CH4182/Area Scan (9x10x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.080 mW/g

102 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 8.13 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.073 mW/g

102 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 1:

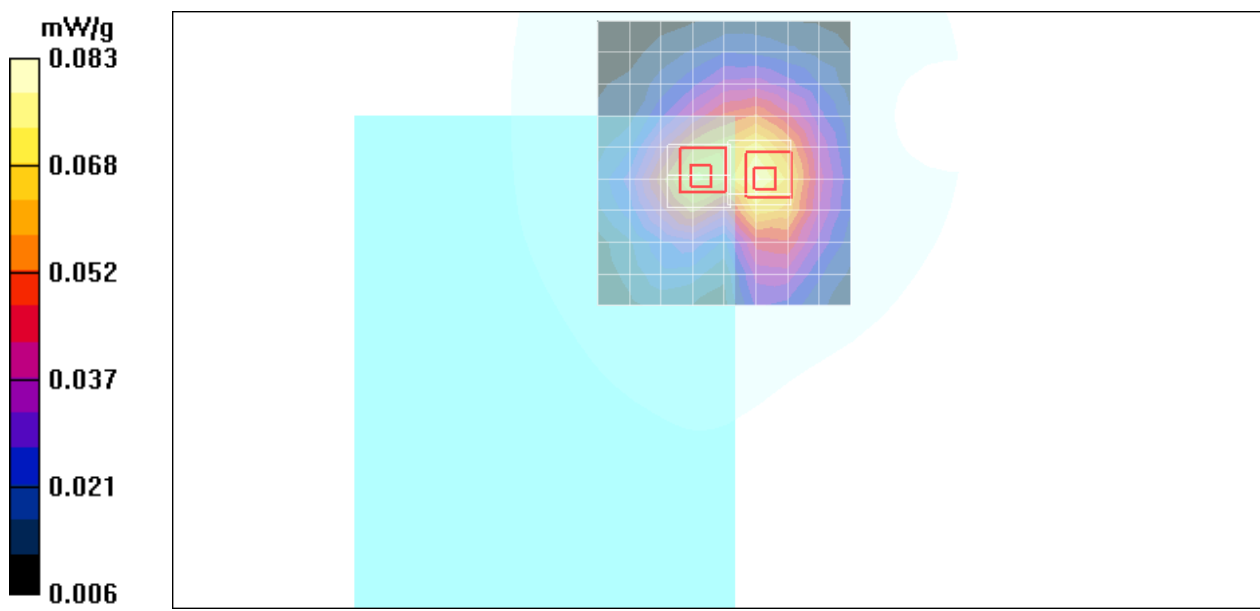
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 8.13 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.074 W/kg

SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.063 mW/g



Test Laboratory: Compliance Certification Services Inc.

HSUPA band V Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: HSUPA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

89 WWAN band V Middle CH4182/Area Scan (9x9x1): Measurement
grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.070 mW/g

89 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.32 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.084 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.067 mW/g

89 WWAN band V Middle CH4182/Zoom Scan (7x7x9)/Cube 1:

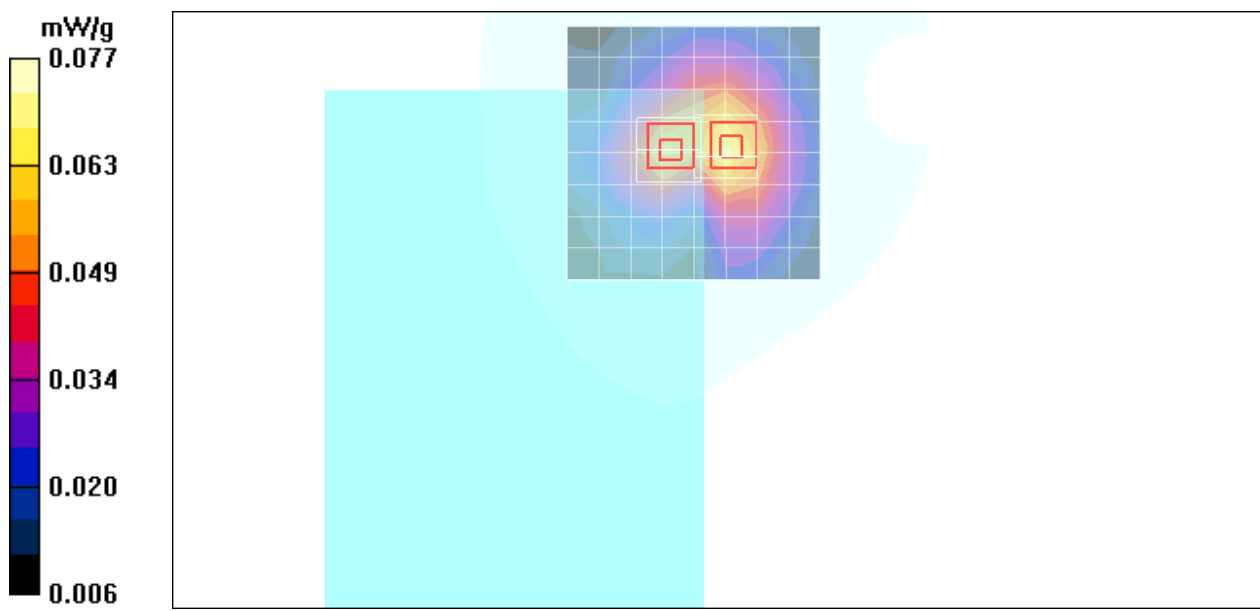
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.32 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.059 mW/g



Test Laboratory: Compliance Certification Services Inc.

CDMA Cellular Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: CDMA Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN CDMA 850 Middle CH384/Area Scan (9x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.086 mW/g

102 WWAN CDMA 850 Middle CH384/Zoom Scan (7x7x9)/Cube

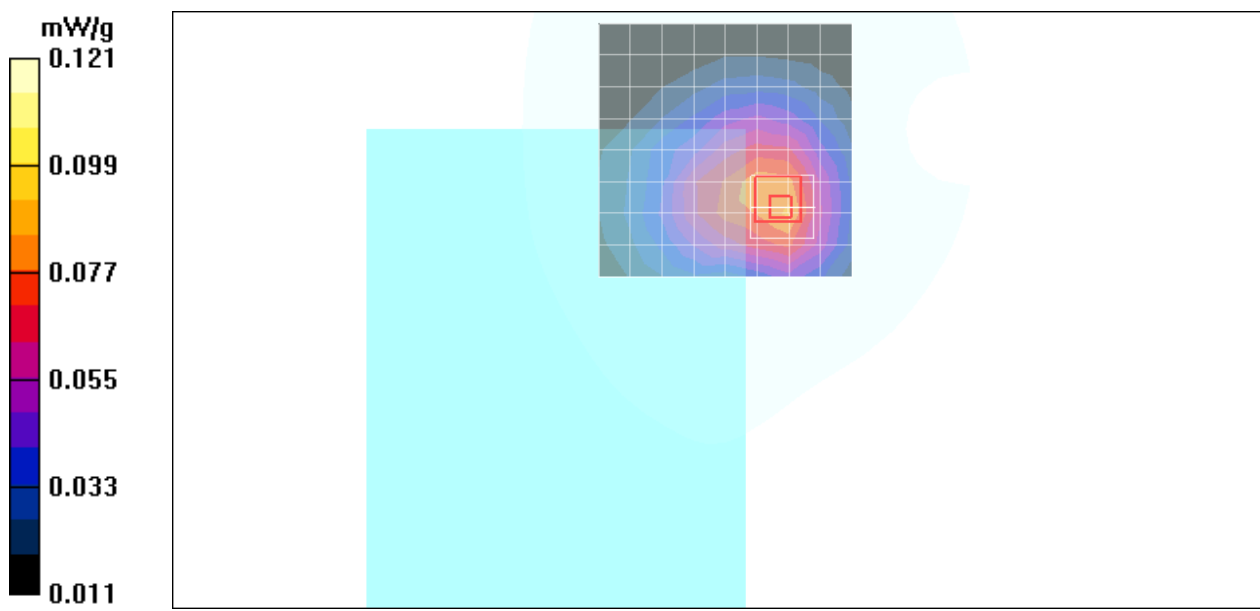
0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.12 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.091 mW/g



Test Laboratory: Compliance Certification Services Inc.

CDMA Cellular Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: CDMA Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN CDMA 850 Middle CH384/Area Scan (10x10x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.062 mW/g

WWAN CDMA 850 Middle CH384/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 5.44 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.0292 mW/g

Maximum value of SAR (measured) = 0.062 mW/g

WWAN CDMA 850 Middle CH384/Zoom Scan (7x7x9)/Cube 1:

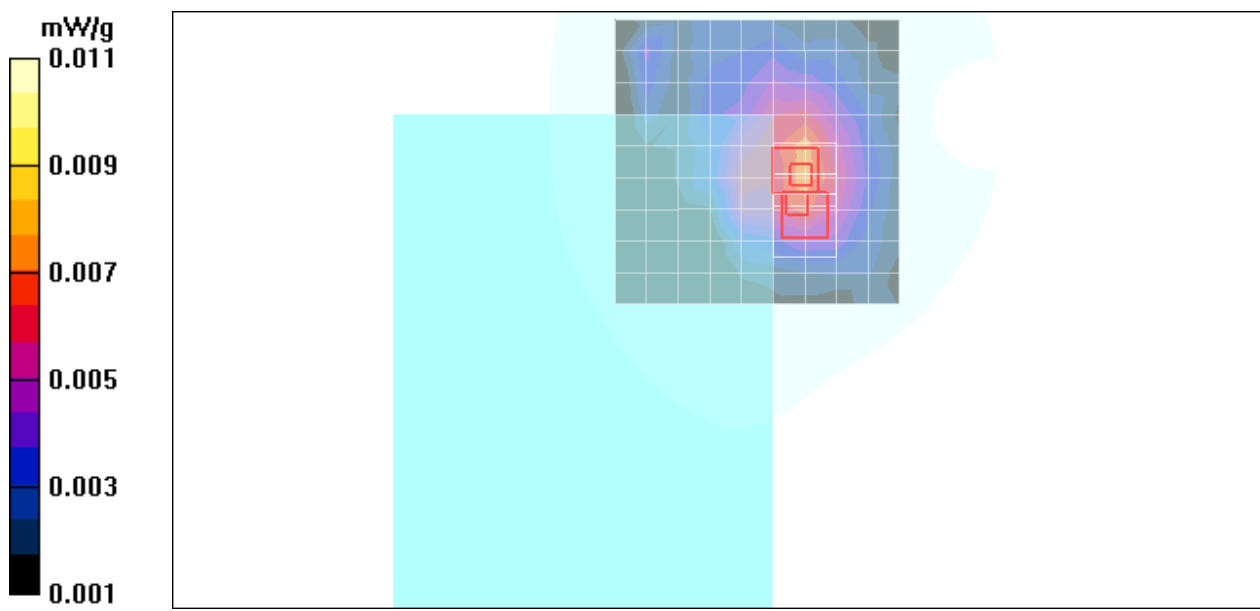
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 5.44 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 0.095 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.0306 mW/g

Maximum value of SAR (measured) = 0.062 mW/g



Test Laboratory: Compliance Certification Services Inc.

CDMA PCS Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: CDMA PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN CDMA 1900 Middle CH600/Area Scan (9x9x1): Measurement

grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.079 mW/g

WWAN CDMA 1900 Middle CH600/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 8.67 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 0.113 W/kg

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.054 mW/g

Maximum value of SAR (measured) = 0.092 mW/g

WWAN CDMA 1900 Middle CH600/Zoom Scan (7x7x9)/Cube 1:

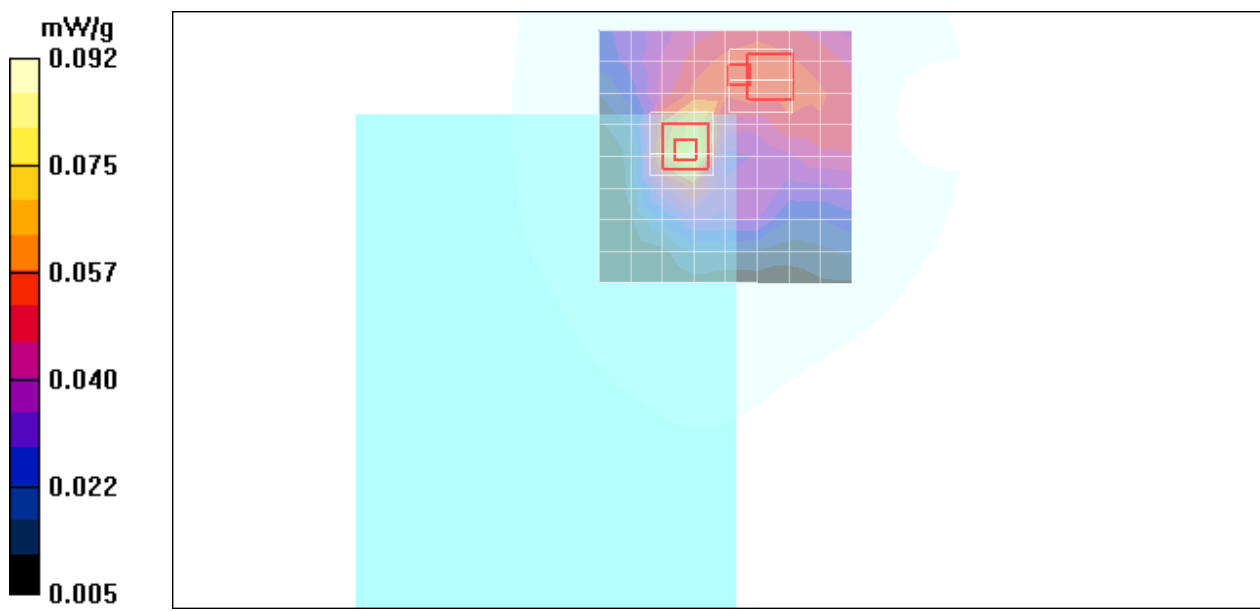
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 8.67 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.058 mW/g



Test Laboratory: Compliance Certification Services Inc.

CDMA PCS Bottom Flat Touched mode WWAN Main Ant 89

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: CDMA PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN CDMA 1900 Middle CH600/Area Scan (9x9x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.036 mW/g

WWAN CDMA 1900 Middle CH600/Zoom Scan (7x7x9)/Cube 0:

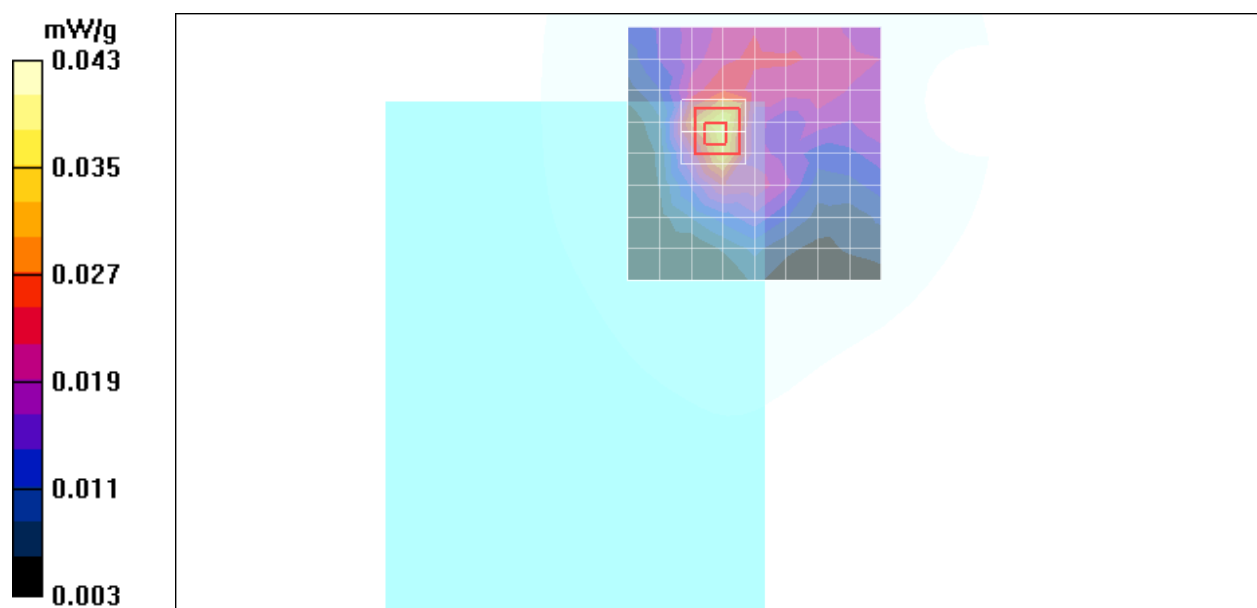
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.43 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.055 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.043 mW/g



Test Laboratory: Compliance Certification Services Inc.

CDMA Cellular EVDO Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: CDMA Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN CDMA EVDO 850 Middle CH384/Area Scan (9x9x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.026 mW/g

WWAN CDMA EVDO 850 Middle CH384/Zoom Scan

(7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.06 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.027 mW/g

WWAN CDMA EVDO 850 Middle CH384/Zoom Scan

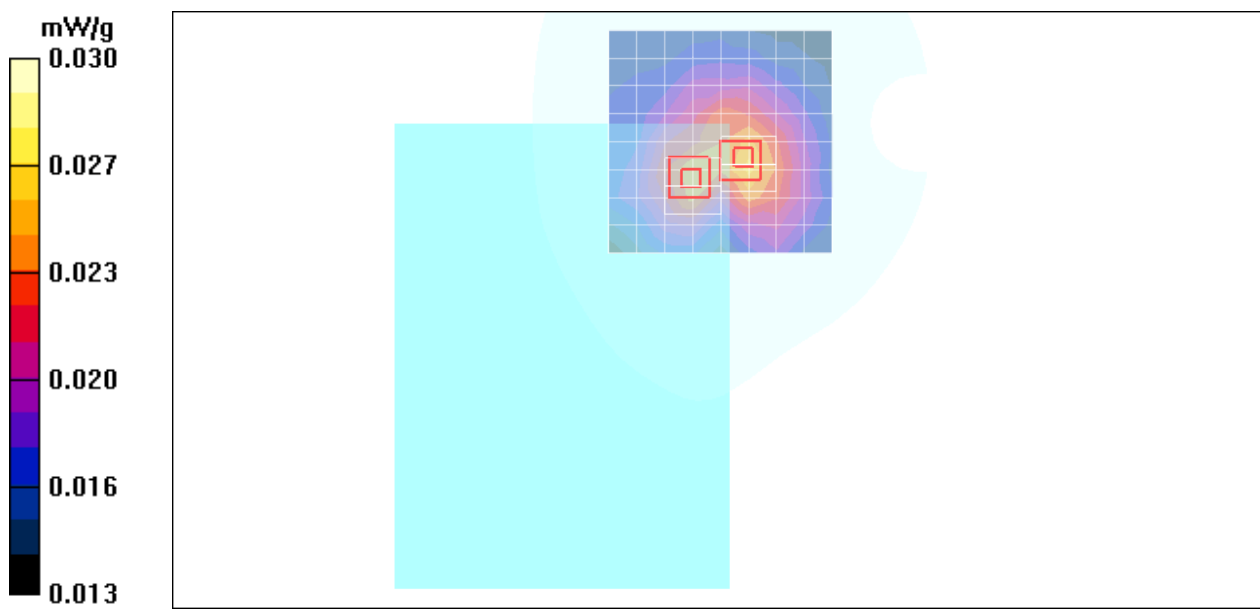
(7x7x11)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.06 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.027 mW/g



Test Laboratory: Compliance Certification Services Inc.

CDMA Cellular EVDO Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: CDMA Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN CDMA EVDO 850 Middle CH384/Area Scan (9x9x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.020 mW/g

WWAN CDMA EVDO 850 Middle CH384/Zoom Scan

(7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.54 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.022 W/kg

SAR(1 g) = **0.019** mW/g; SAR(10 g) = **0.018** mW/g

WWAN CDMA EVDO 850 Middle CH384/Zoom Scan

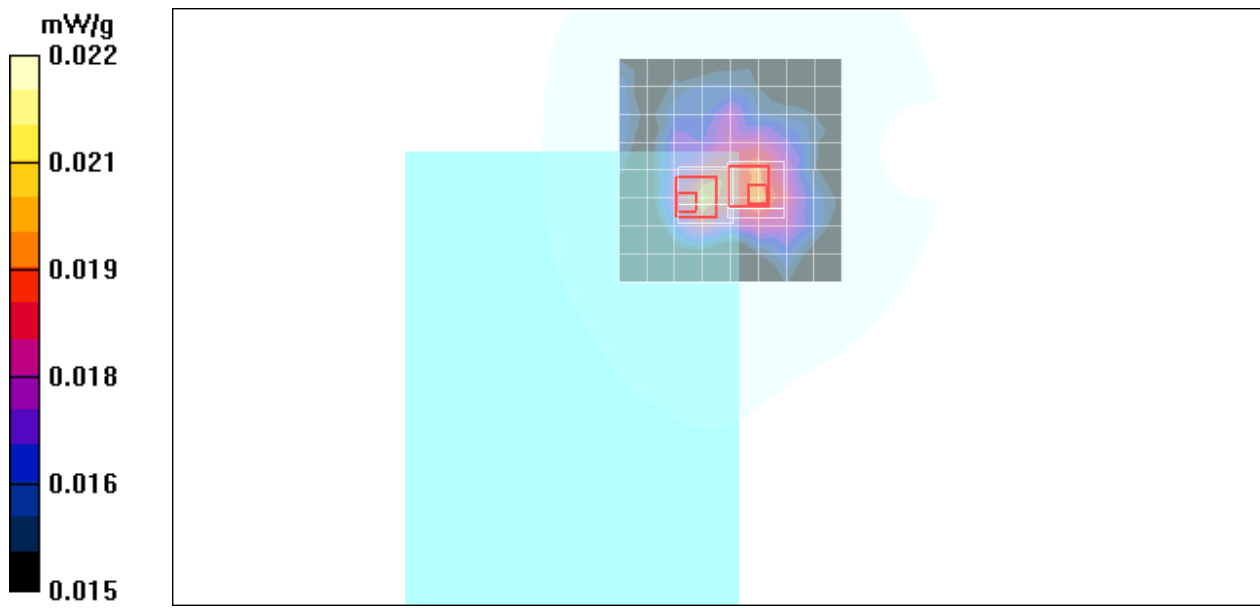
(7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.54 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.024 W/kg

SAR(1 g) = **0.020** mW/g; SAR(10 g) = **0.018** mW/g

Maximum value of SAR (measured) = 0.021 mW/g



Test Laboratory: Compliance Certification Services Inc.

CDMA PCS EVDO Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: CDMA PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

102 WWAN CDMA EVDO 1900 Middle CH600/Area Scan

(9x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.099 mW/g

WWAN CDMA EVDO 1900 Middle CH600/Zoom Scan

(7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.24 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.110 mW/g

WWAN CDMA EVDO 1900 Middle CH600/Zoom Scan

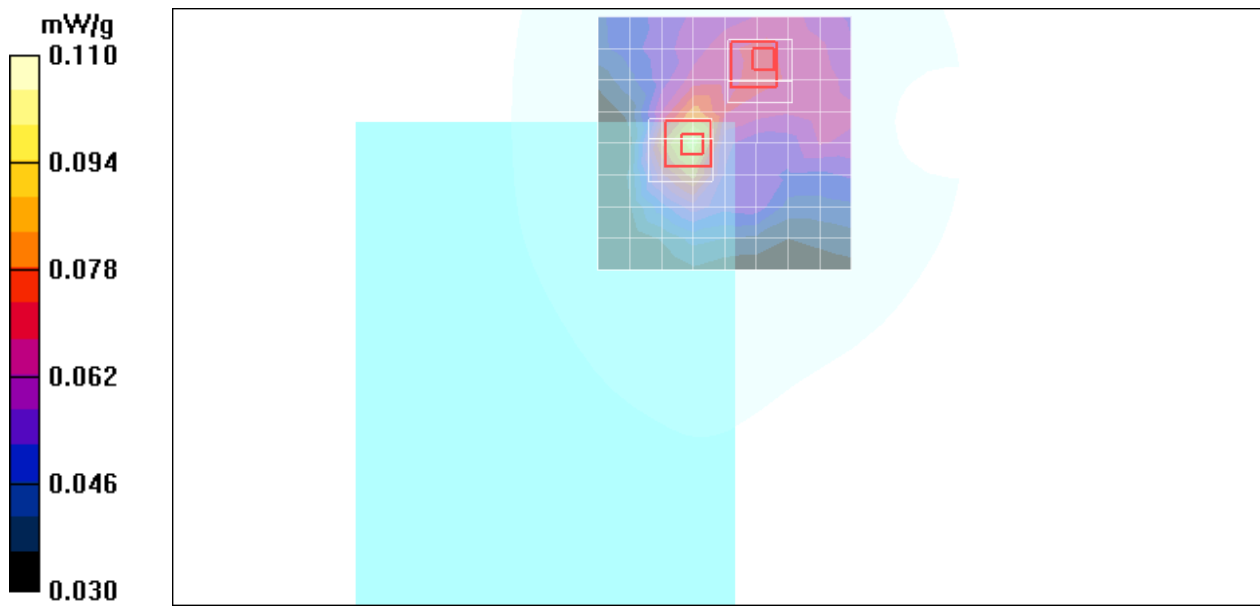
(7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.24 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.093 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.078 mW/g



Test Laboratory: Compliance Certification Services Inc.

CDMA PCS EVDO Bottom Flat Touched mode WWAN Main Ant 102

DUT: HSTNN-I57C; Type: HSTNN-I57C; Serial: N/A

Communication System: CDMA PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

WWAN CDMA EVDO 1900 Middle CH600/Area Scan (9x9x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.075 mW/g

WWAN CDMA EVDO 1900 Middle CH600/Zoom Scan

(7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 3.41 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 0.039 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.076 mW/g

89 WWAN CDMA EVDO 1900 Middle CH600/Zoom Scan

(7x7x9)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 3.41 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 0.034 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.054 mW/g

