

Test Laboratory: Compliance Certification Services

2-15 inch GSM 850

DUT: 14 inch ; Type: IBM; Serial: n/a

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 825$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(10.54, 10.54, 10.54); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GPRS L-ch/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

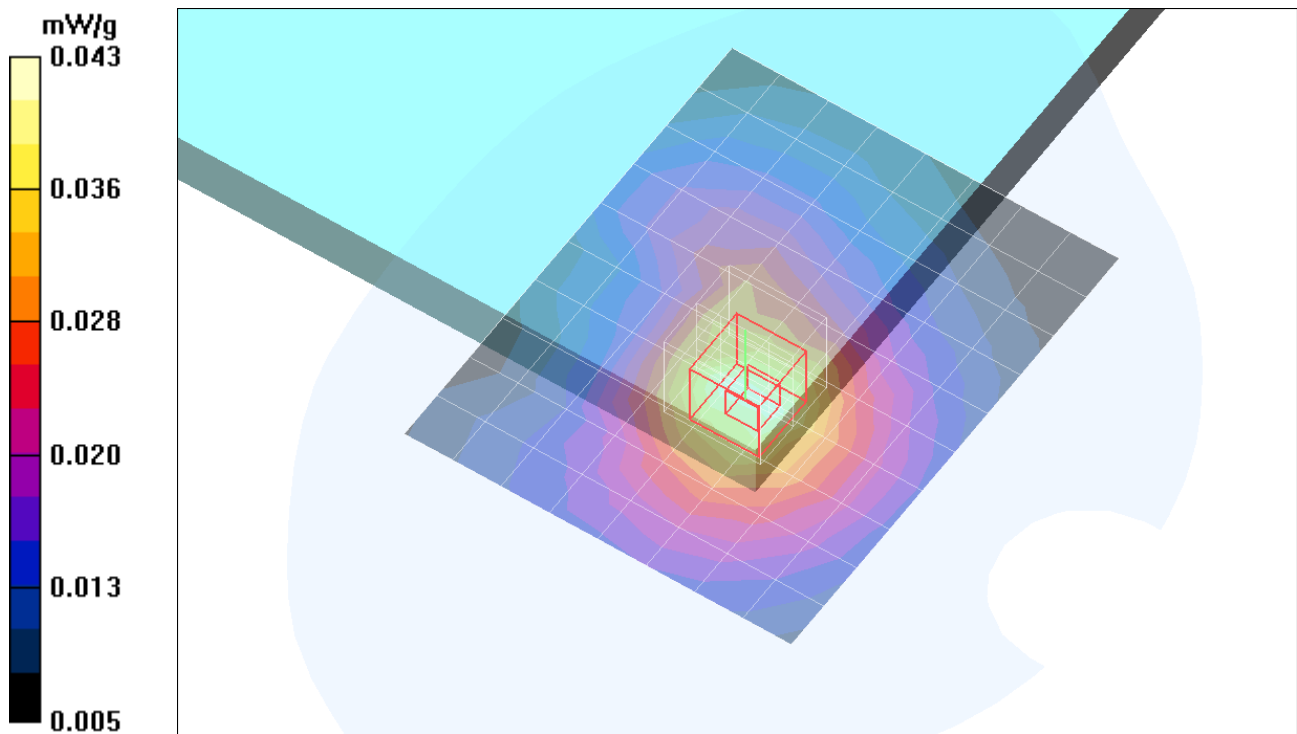
GPRS L-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.94 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.063 W/kg

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

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



Test Laboratory: Compliance Certification Services

2-15 inch GSM 850

DUT: 14 inch ; Type: IBM; Serial: n/a

Communication System: GSM850; Frequency: 837 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 837$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(10.54, 10.54, 10.54); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GPRS M-ch/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

GPRS M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

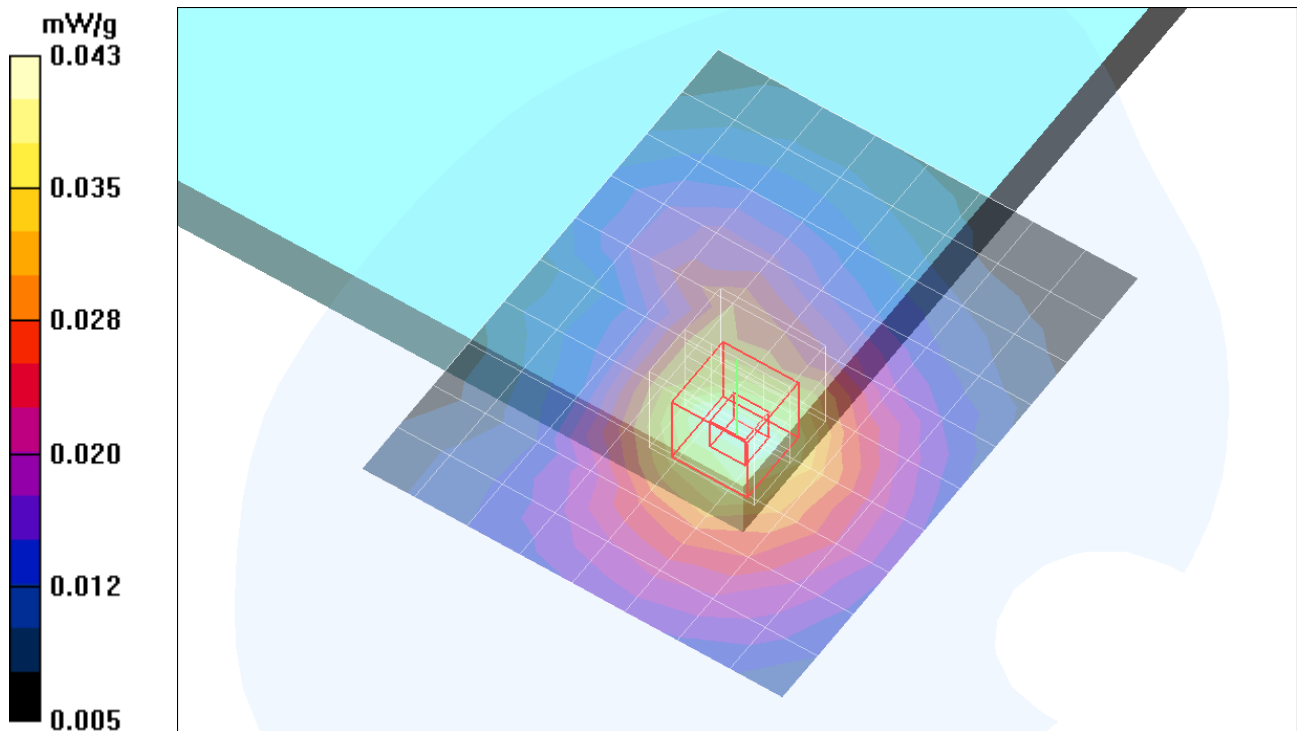
Reference Value = 6.90 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.064 W/kg

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.046 mW/g



Test Laboratory: Compliance Certification Services

2-15 inch GSM 850

DUT: 15 inch ; Type: IBM; Serial: n/a

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(10.54, 10.54, 10.54); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GPRS H-ch/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.052 mW/g

GPRS H-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

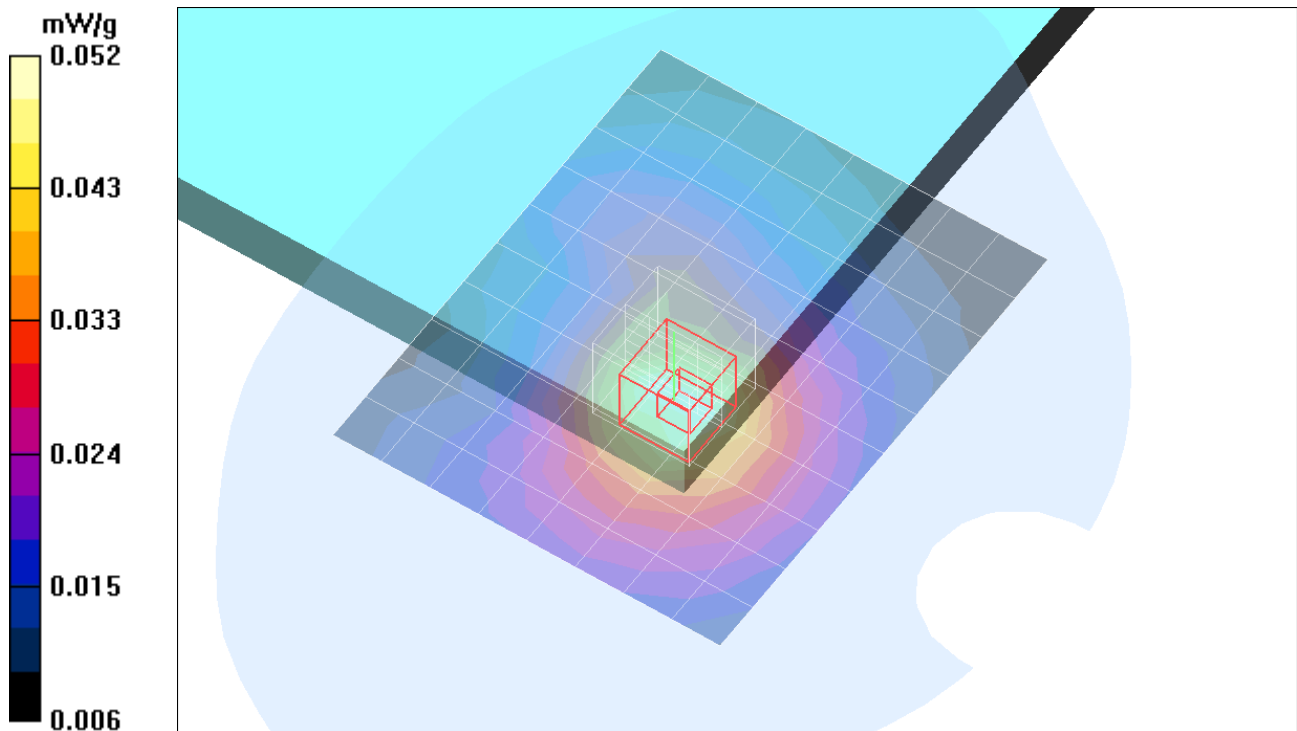
Reference Value = 7.55 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.076 W/kg

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.035 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



Test Laboratory: Compliance Certification Services

2-15 inch GSM 850

DUT: 15 inch ; Type: IBM; Serial: n/a

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(10.54, 10.54, 10.54); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GPRS H-ch with WLAN/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

GPRS H-ch with WLAN/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

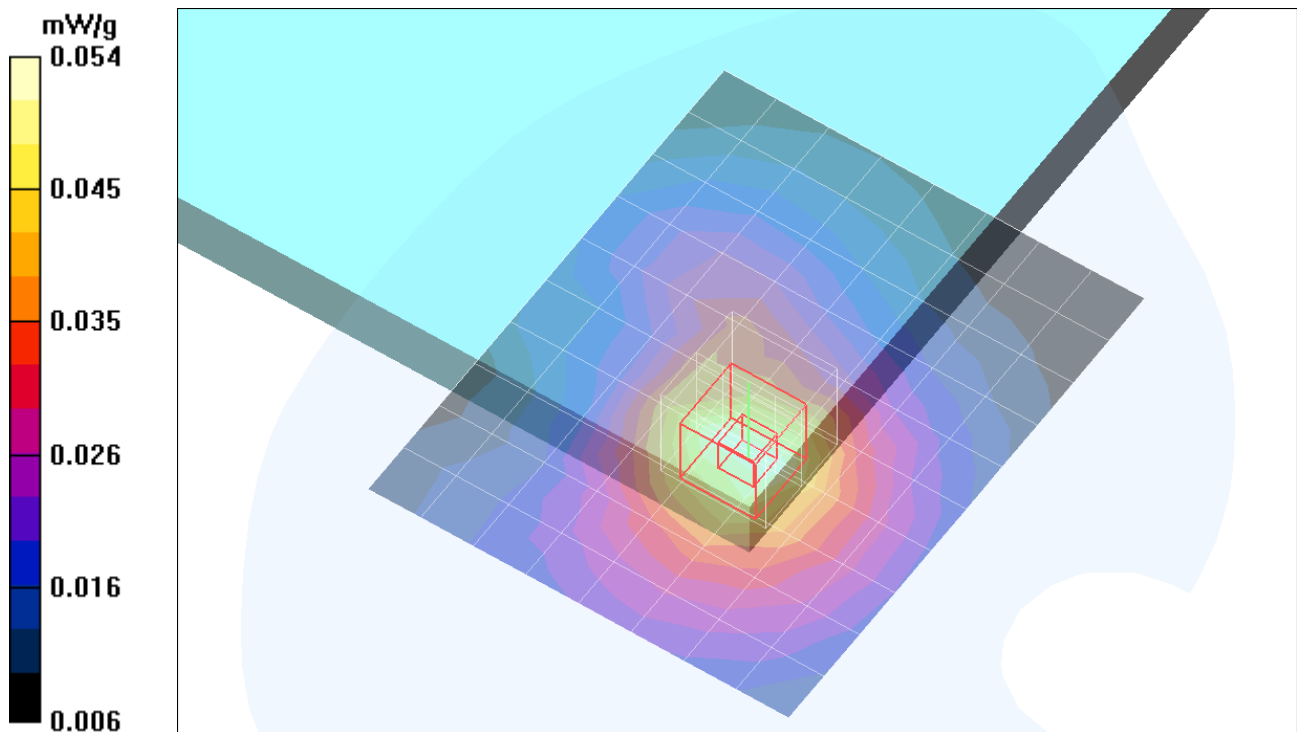
Reference Value = 7.69 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.084 W/kg

SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.036 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



Test Laboratory: Compliance Certification Services

2-15 inch GSM 850

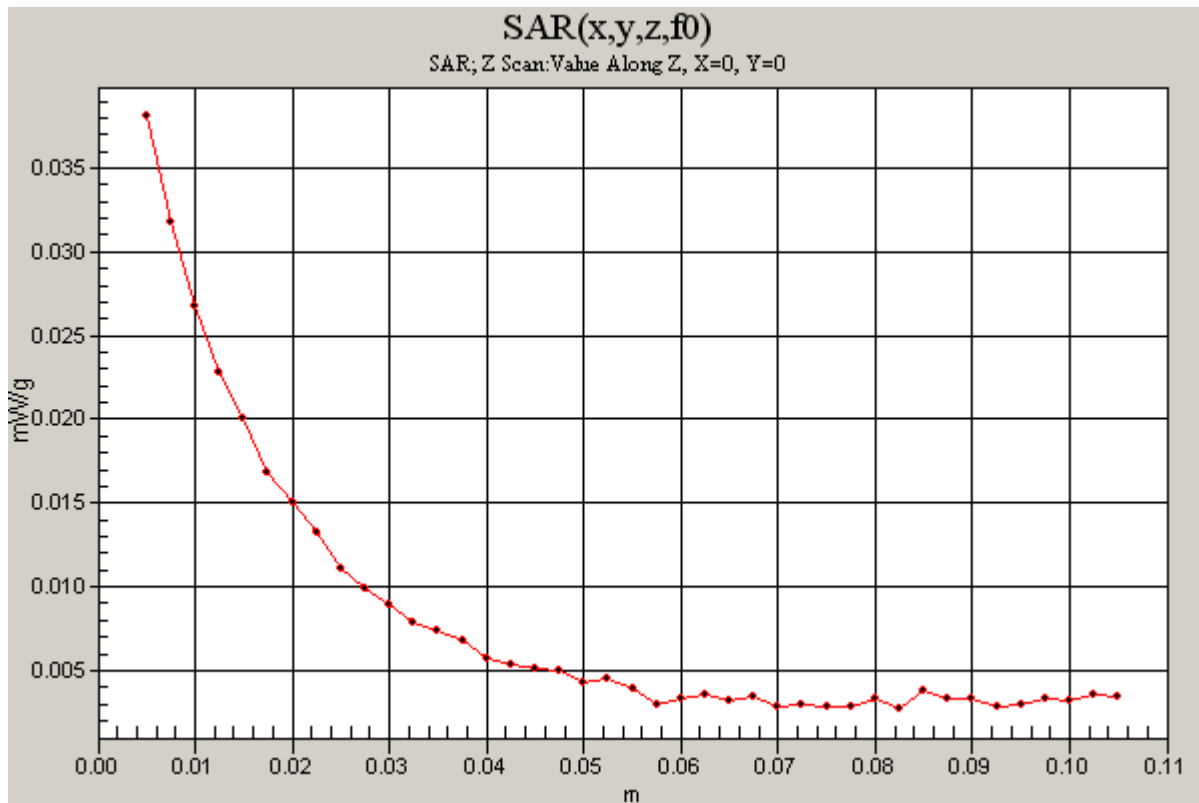
DUT: 15 inch ; Type: IBM; Serial: n/a

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:4

GPRS H-ch with WLAN/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.038 mW/g



Test Laboratory: Compliance Certification Services

2-15 inch GSM 850

DUT: 14 inch ; Type: IBM; Serial: n/a

Communication System: GSM850; Frequency: 837 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 837$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(10.54, 10.54, 10.54); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

EGPRS M-ch/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.015 mW/g

EGPRS M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

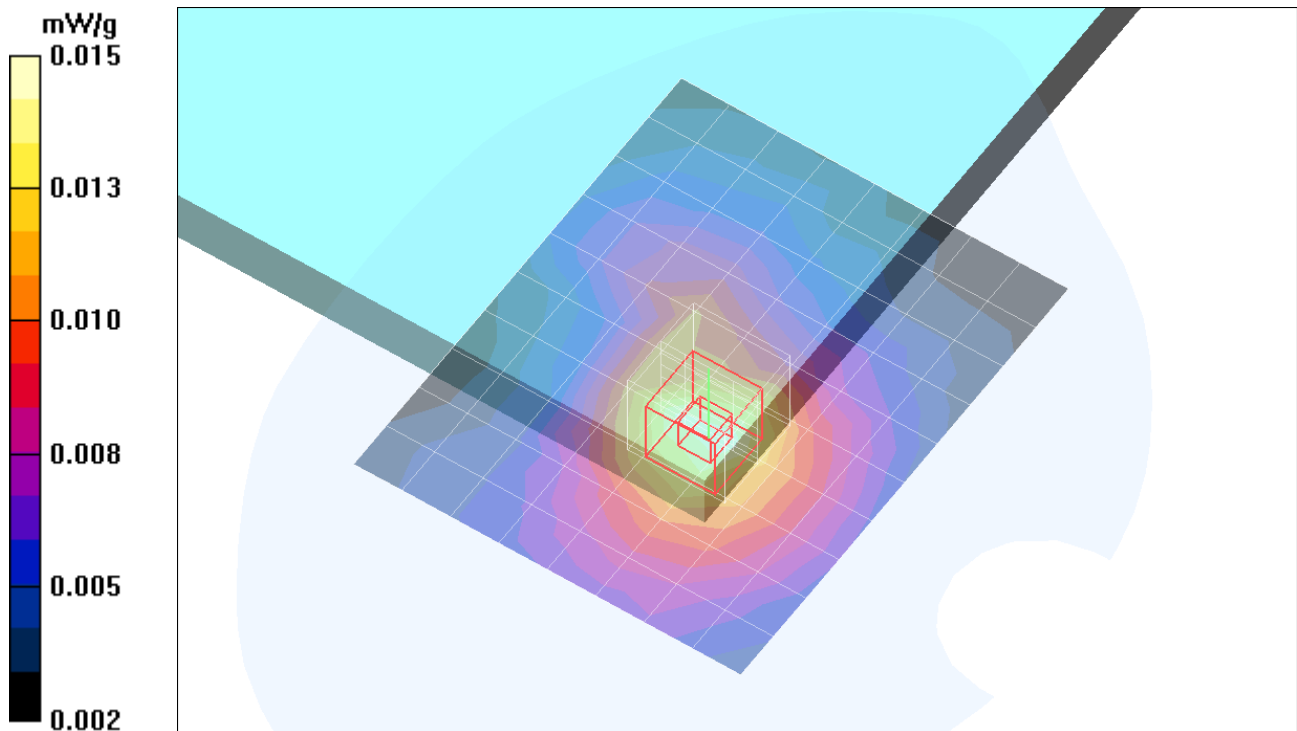
Reference Value = 4.09 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.022 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.011 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.016 mW/g



Test Laboratory: Compliance Certification Services

2-15 inch GSM 1900

DUT: 15 inch ; Type: IBM; Serial: n/a

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.33, 8.33, 8.33); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GPRS L-ch/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.034 mW/g

GPRS L-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

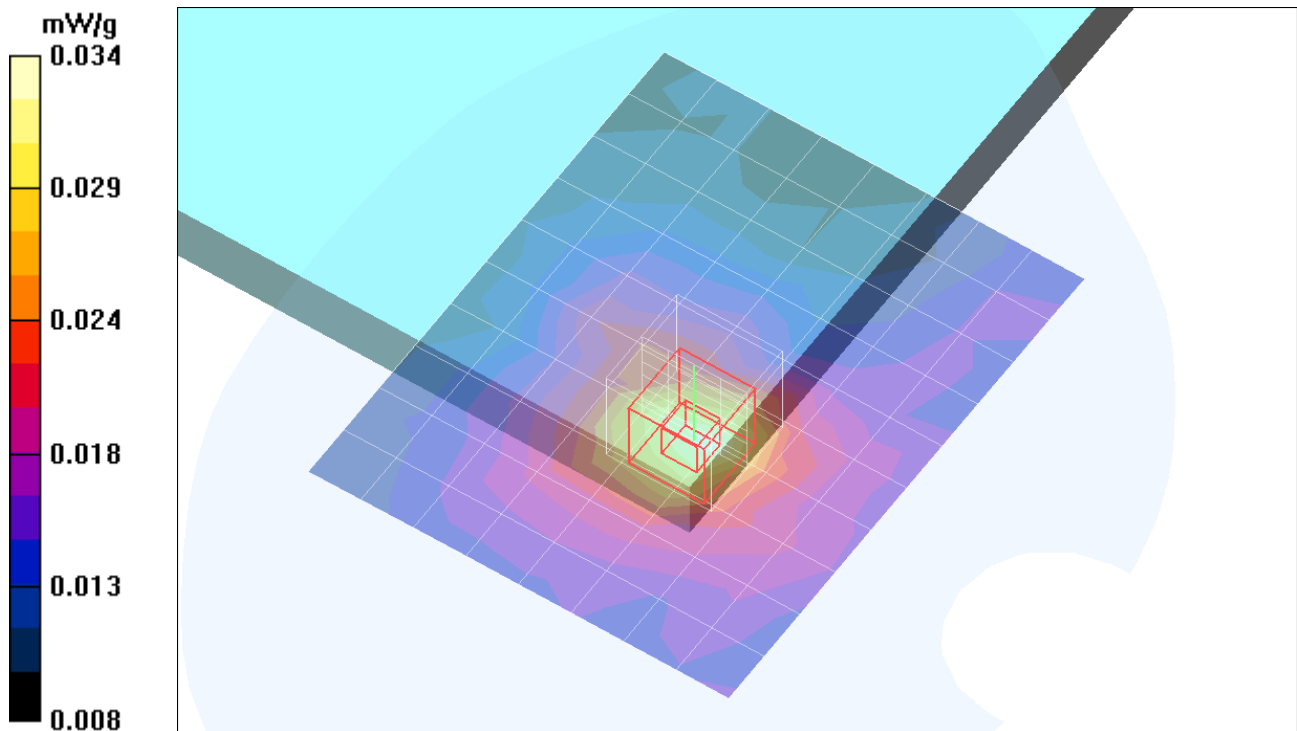
Reference Value = 5.07 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.051 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.023 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



Test Laboratory: Compliance Certification Services

2-15 inch GSM 1900

DUT: 15 inch ; Type: IBM; Serial: n/a

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.33, 8.33, 8.33); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GPRS M-ch/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

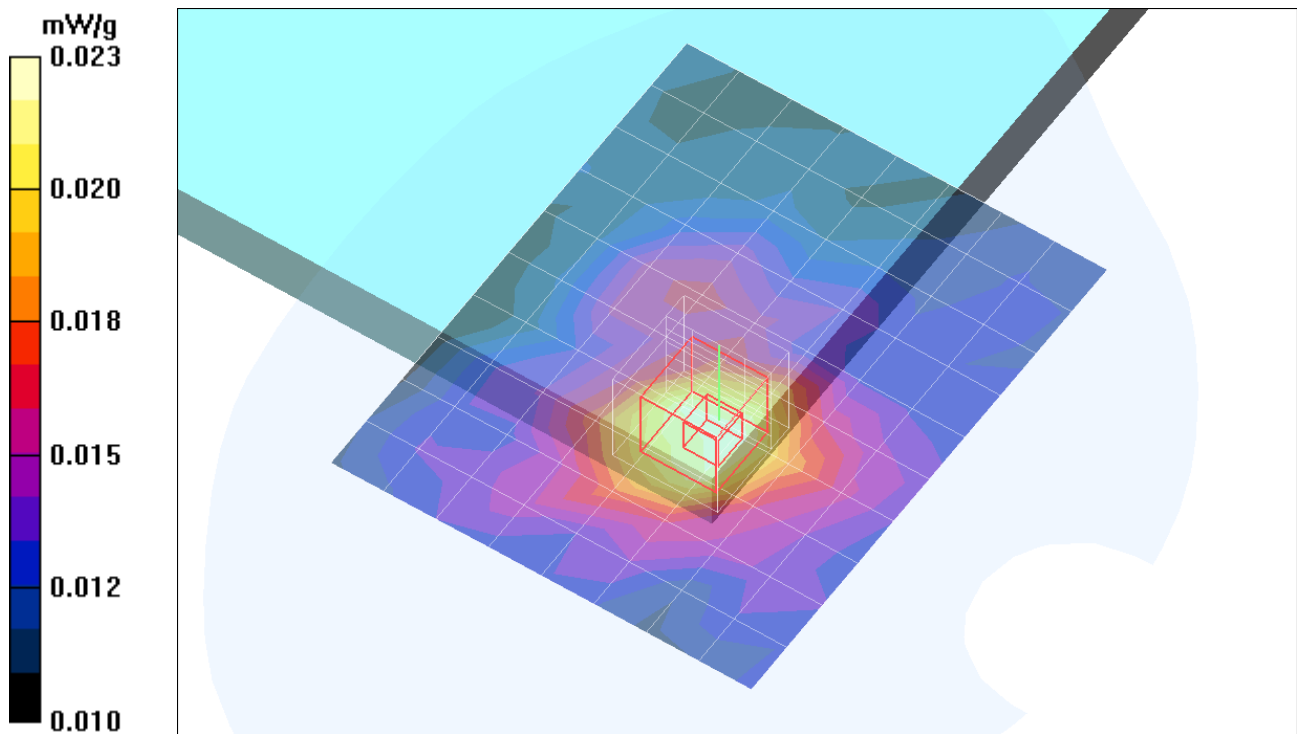
GPRS M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.14 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.030 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.025 mW/g



Test Laboratory: Compliance Certification Services

2-15 inch GSM 1900

DUT: 15 inch ; Type: IBM; Serial: n/a

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.33, 8.33, 8.33); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GPRS H-ch/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

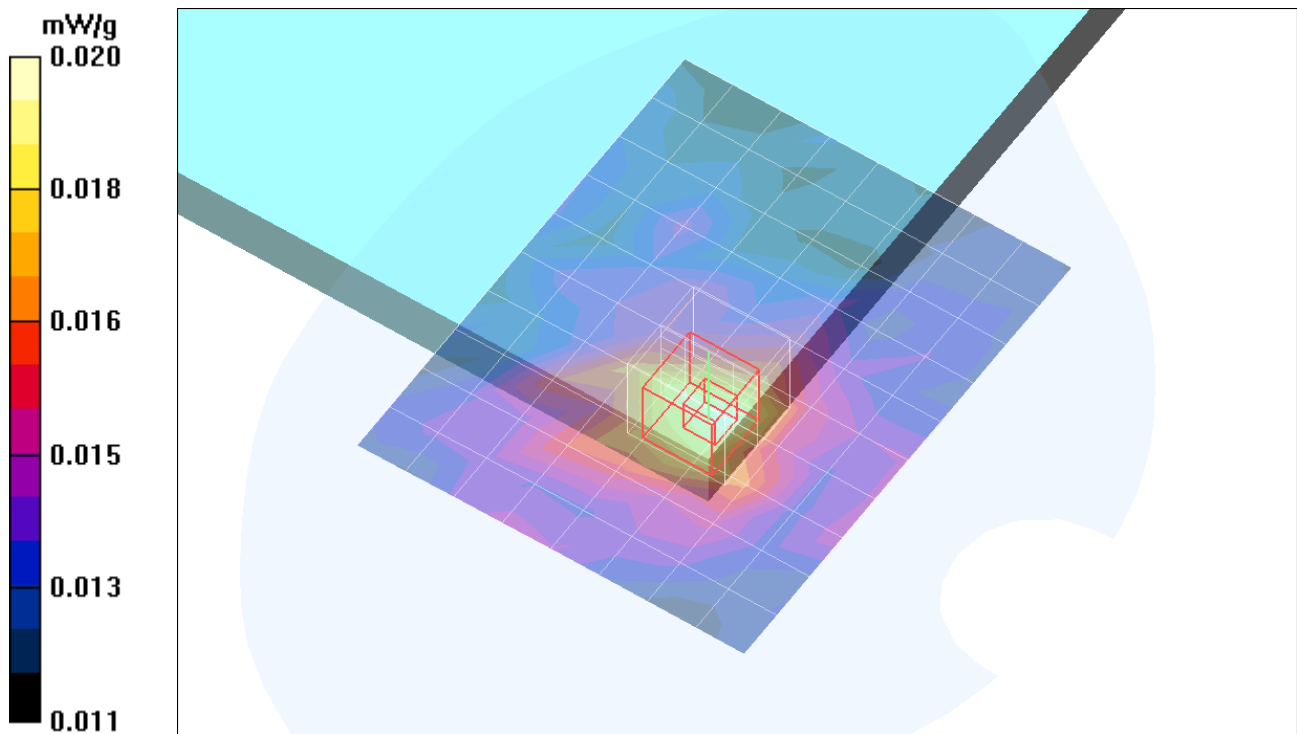
GPRS H-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.80 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.023 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.017 mW/g

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



Test Laboratory: Compliance Certification Services

2-15 inch GSM 1900

DUT: 15 inch ; Type: IBM; Serial: n/a

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.33, 8.33, 8.33); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

GPRS L-ch with WLAN/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.037 mW/g

GPRS L-ch with WLAN/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

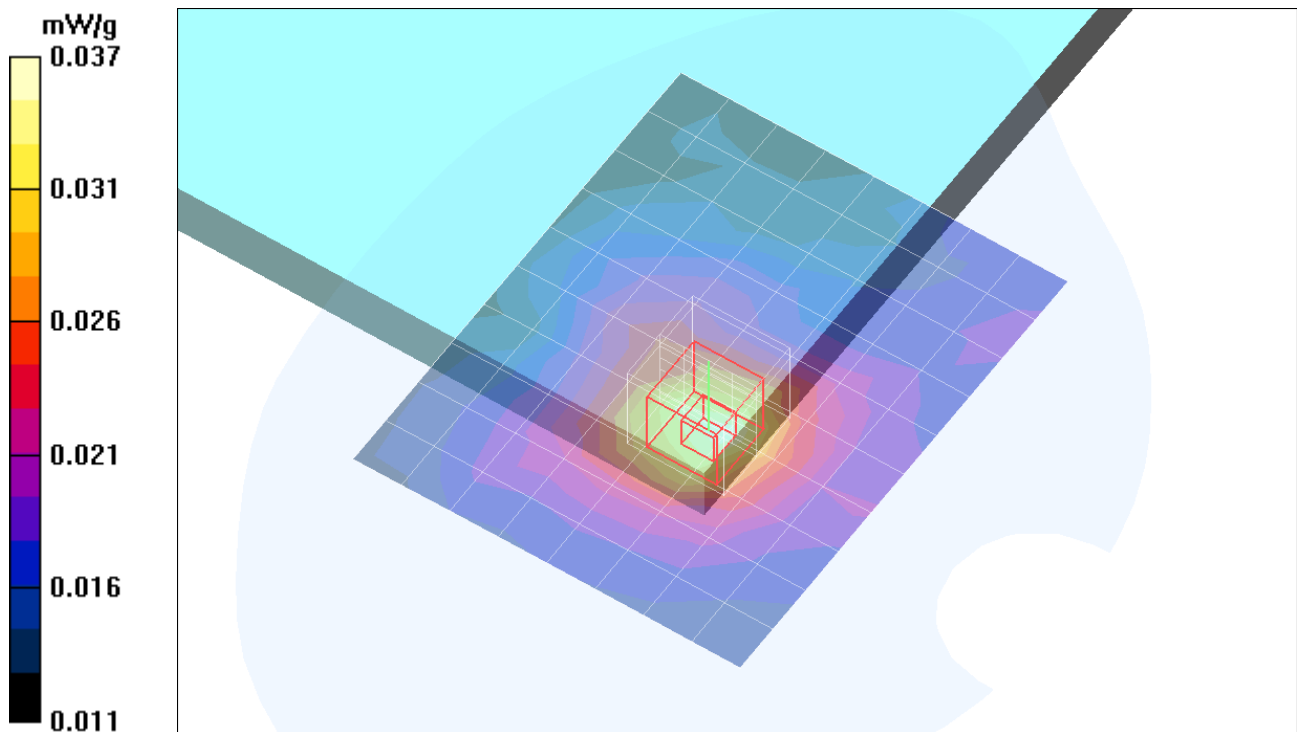
Reference Value = 5.35 V/m; Power Drift = -0.135 dB

Peak SAR (extrapolated) = 0.057 W/kg

SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.026 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.038 mW/g



Test Laboratory: Compliance Certification Services

2-15 inch GSM 1900

DUT: 15 inch ; Type: IBM; Serial: n/a

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

GPRS L-ch with WLAN/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.060 mW/g

GPRS L-ch with WLAN/Z Scan EUT off (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

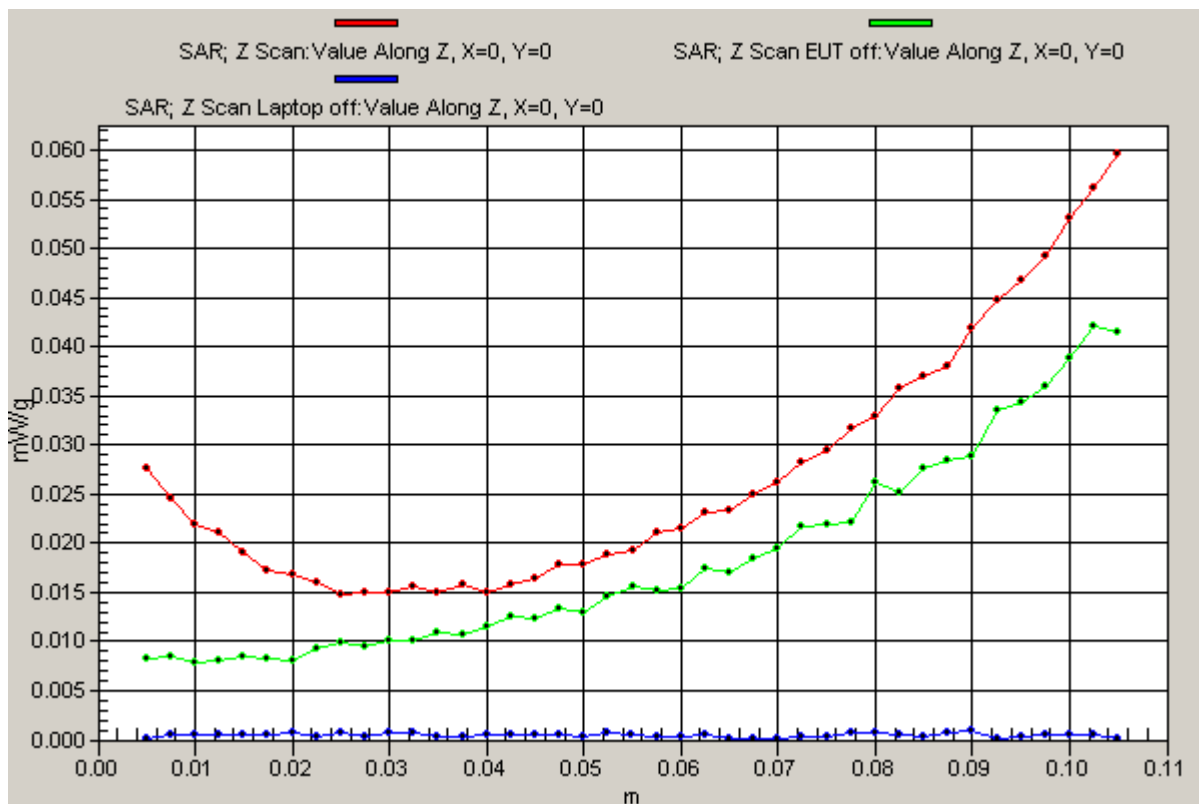
[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

GPRS L-ch with WLAN/Z Scan Laptop off (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.001 mW/g



Test Laboratory: Compliance Certification Services

2-15 inch GSM 1900

DUT: 15 inch ; Type: IBM; Serial: n/a

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.5 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.33, 8.33, 8.33); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

EGPRS M-ch/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.017 mW/g

EGPRS M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.65 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.024 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.019 mW/g

