

12. System Check

12.1 General System Check Procedure

System check scans were performed prior to testing of each different medium used. Prior to installing a body medium, a system check scan is performed using a corresponding body medium. A validation dipole antenna was selected that roughly matched the center frequency of the band being tested. A CW sine wave with a matching frequency is then applied to the antenna from a signal generator through an amplifier for a power level of 20 dBm. Measured data is scaled to 30 dBm to correspond with values provided by manufacturer's calibration data. System check SAR has a tolerance of $\pm 10\%$.

If testing of a particular frequency band took more than one day, a new validation scan was done prior to commencing with testing for the subsequent day.

12.2 System Check Data

Table 12-1 shows system check data for the respective days of the test program.

Table 12-1 SAR System Check Data Gobi2000 Test Program (Body TSL)

Date	Frequency (MHz)	1 g SAR (mW/g)			
		Measured	Scaled to 30 dBm	Target	Difference (%)
10/23/09	900	1.04	10.4	9.8	+6.1%
10/21/09	1900	3.87	38.7	39.5	-2.0%

The following pages show system check plots for the respective days of the test program.

12.3 900 MHz System Check

Date/Time: 10/23/2009 10:25:45 AM Date/Time: 10/23/2009 10:32:09 AM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091023_Val900_20dBm.da5](#)

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:083

Program Name: System Performance Check at 900 MHz

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 900$ MHz; $\sigma = 0.981$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6, 6, 6); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: 209
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

d=15mm, Pin=20dBm, dist=4.0mm (ET-Probe)/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.09 mW/g

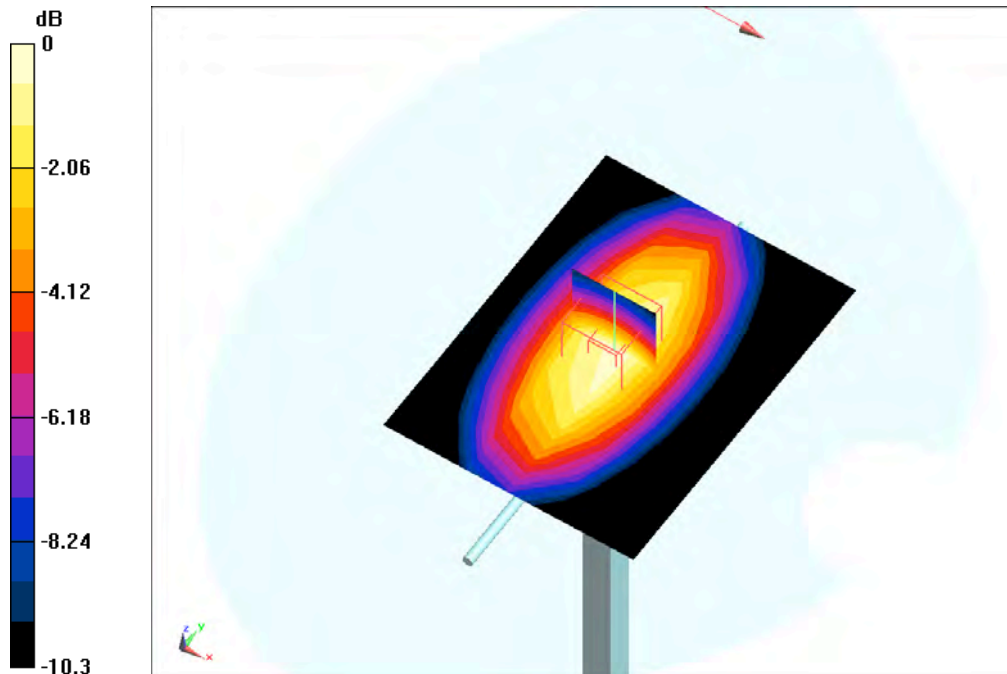
d=15mm, Pin=20dBm, dist=4.0mm (ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.8 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.689 mW/g

Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g

12.4 1900 MHz System Check

Date/Time: 10/21/2009 9:49:57 AM Date/Time: 10/21/2009 9:56:19 AM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091021_Val1800_20dBm.da5](#)

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:269

Program Name: System Performance Check at 1800MHz

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(4.8, 4.8, 4.8); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: 209
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

d=15mm, Pin=20dBm, dist=4.0mm (ET-Probe)/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.72 mW/g

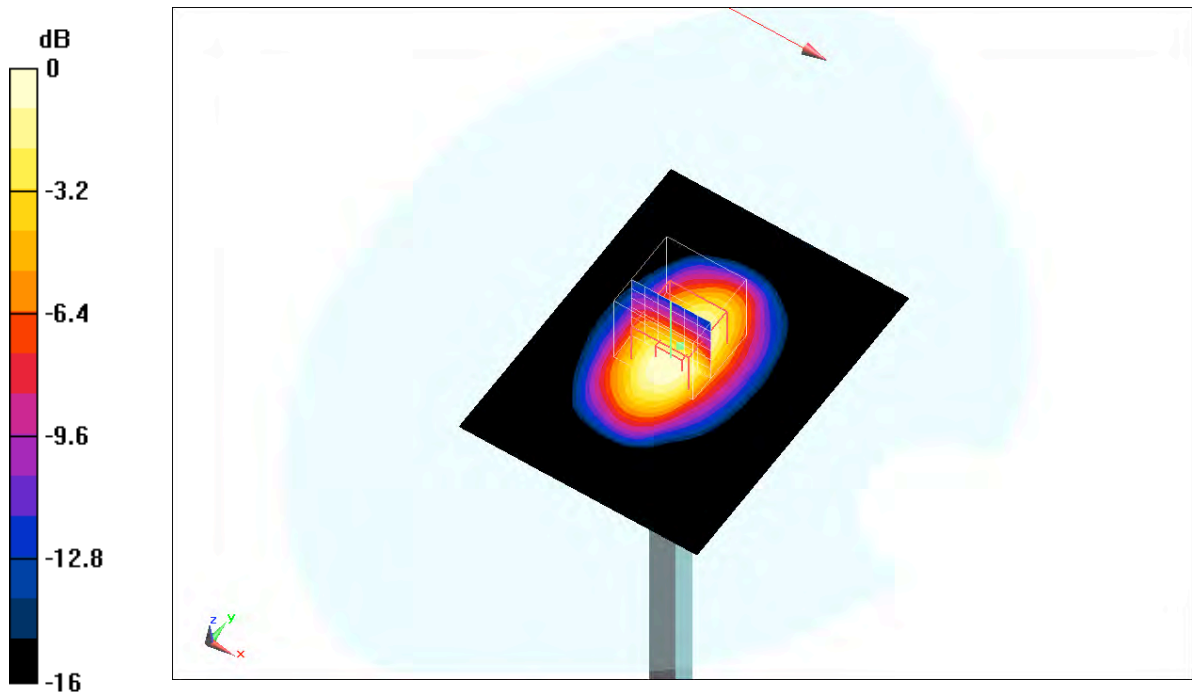
d=15mm, Pin=20dBm, dist=4.0mm (ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.3 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 5.74 W/kg

SAR(1 g) = 3.87 mW/g; SAR(10 g) = 2.16 mW/g

Maximum value of SAR (measured) = 4.36 mW/g



0 dB = 4.36mW/g

13. SAR Plot Reports

The following pages show DASY5-generated data and plots.

13.1 GPRS 850 (2 slots)

13.1.1 Tablet position

Date/Time: 10/23/2009 2:50:21 PM Date/Time: 10/23/2009 3:01:33 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091023_GOBI2000-XT2_GPRS2UL-850_Tablet.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: US GSM-GPRS850-2UL; Frequency: 824.2 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.18, 6.18, 6.18); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - Low/Area Scan (10x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.293 mW/g

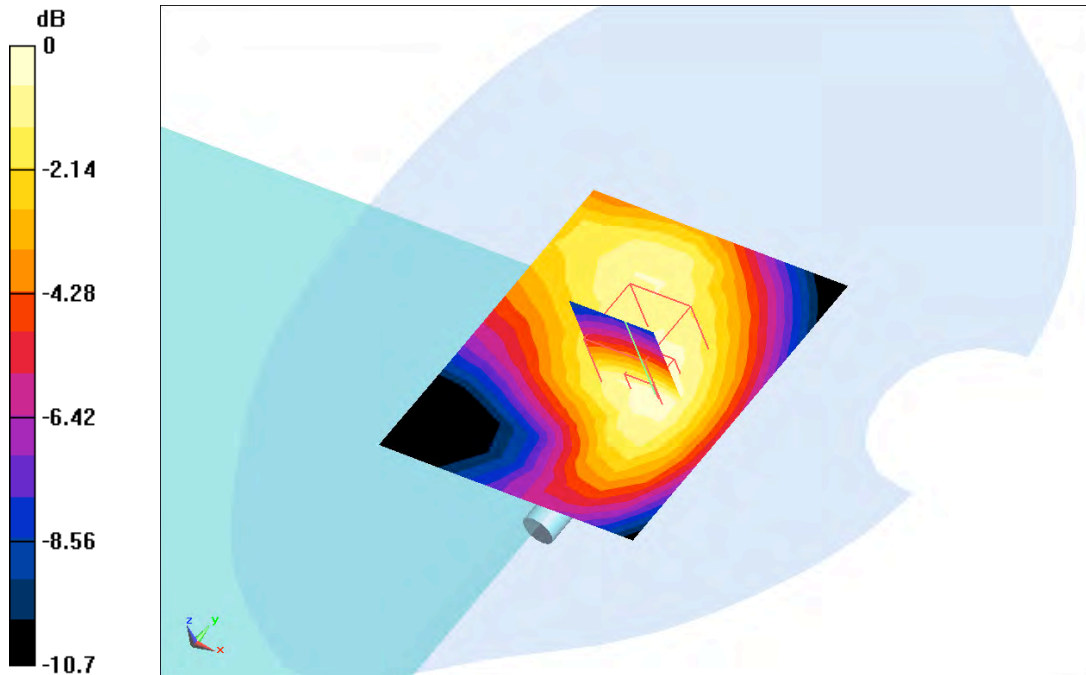
Laptop - Secondary Portrait - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.242 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.199 mW/g

Maximum value of SAR (measured) = 0.298 mW/g



0 dB = 0.298mW/g

Date/Time: 10/23/2009 1:52:55 PM Date/Time: 10/23/2009 2:05:07 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091023_GOBI2000-XT2_GPRS2UL-850_Tablet.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: US GSM-GPRS850-2UL; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.938$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.18, 6.18, 6.18); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait- Middle/Area Scan (10x12x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.338 mW/g

Laptop - Secondary Portrait- Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

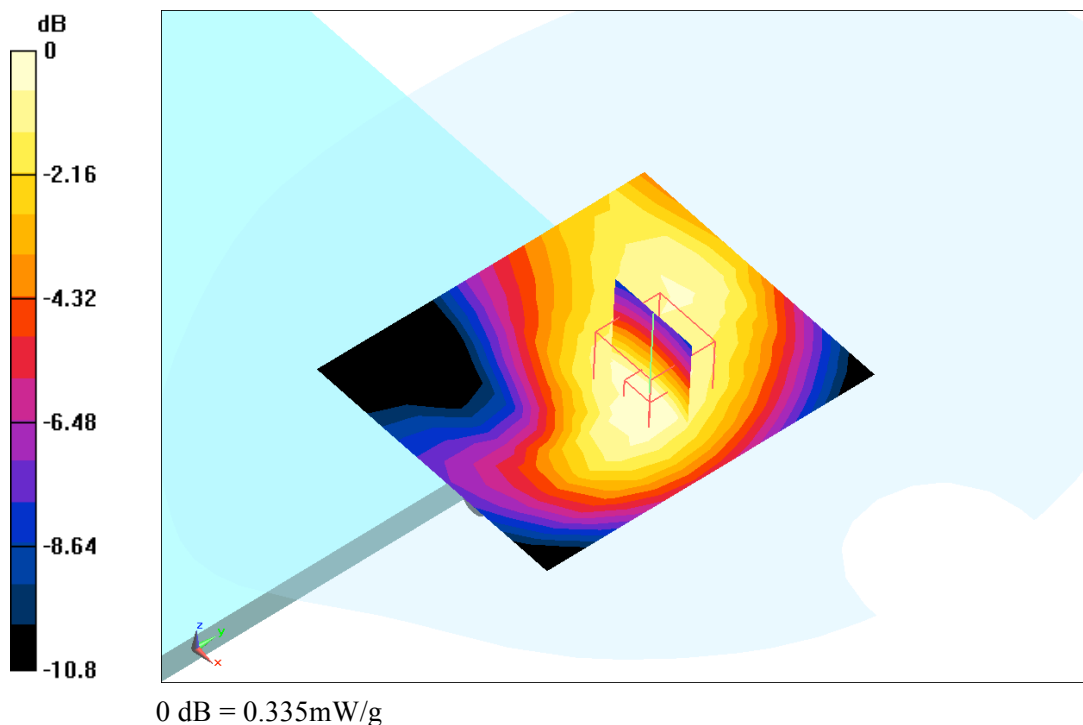
Reference Value = 18.5 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 0.410 W/kg

SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.224 mW/g

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

Maximum value of SAR (measured) = 0.335 mW/g



Date/Time: 10/23/2009 2:24:08 PM Date/Time: 10/23/2009 2:35:21 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091023_GOBI2000-XT2_GPRS2UL-850_Tablet.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: US GSM-GPRS850-2UL; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.18, 6.18, 6.18); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - High/Area Scan (10x11x1): Measurement grid: dx=10mm, dy=10mm

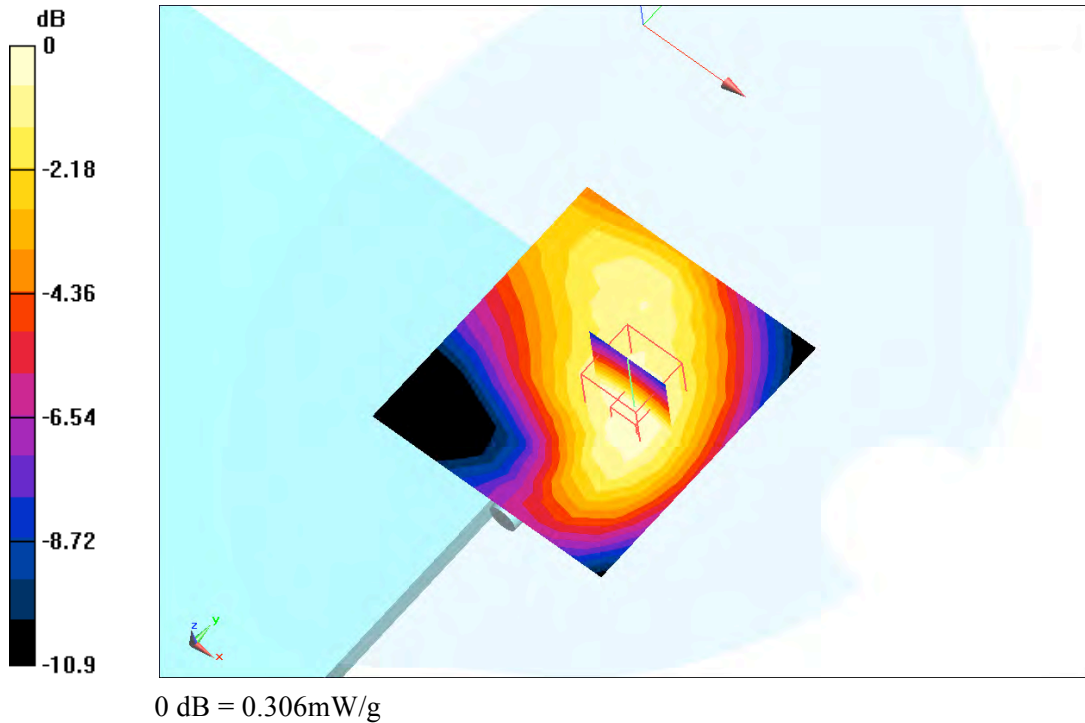
Maximum value of SAR (measured) = 0.306 mW/g

Laptop - Secondary Portrait - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.201 mW/g



13.1.2 Secondary portrait position

Date/Time: 10/23/2009 11:50:08 AM Date/Time: 10/23/2009 11:59:49 AM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091023_GOBI2000-XT2_GPRS2UL-850_Secondary-Portrait.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: US GSM-GPRS850-2UL; Frequency: 824.2 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.18, 6.18, 6.18); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - Low/Area Scan (8x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.176 mW/g

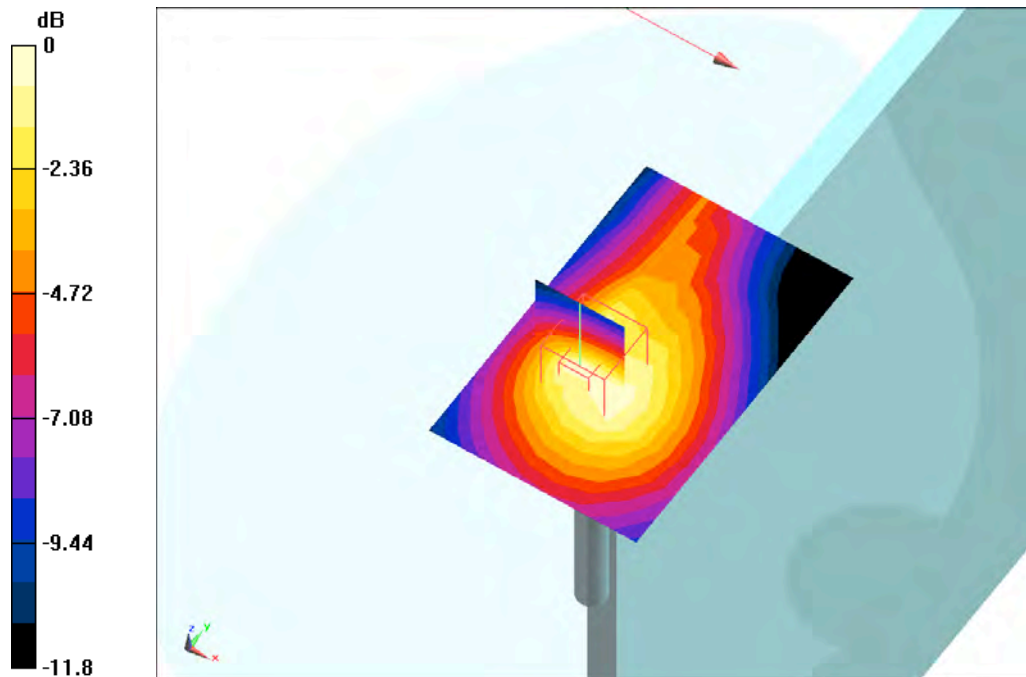
Laptop - Secondary Portrait - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.5 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.193 mW/g



Date/Time: 10/23/2009 10:55:21 AM Date/Time: 10/23/2009 11:08:02 AM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091023_GOBI2000-XT2_GPRS2UL-850_Secondary-Portrait.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: US GSM-GPRS850-2UL; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.938$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.18, 6.18, 6.18); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait- Middle/Area Scan (9x14x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.227 mW/g

Laptop - Secondary Portrait- Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

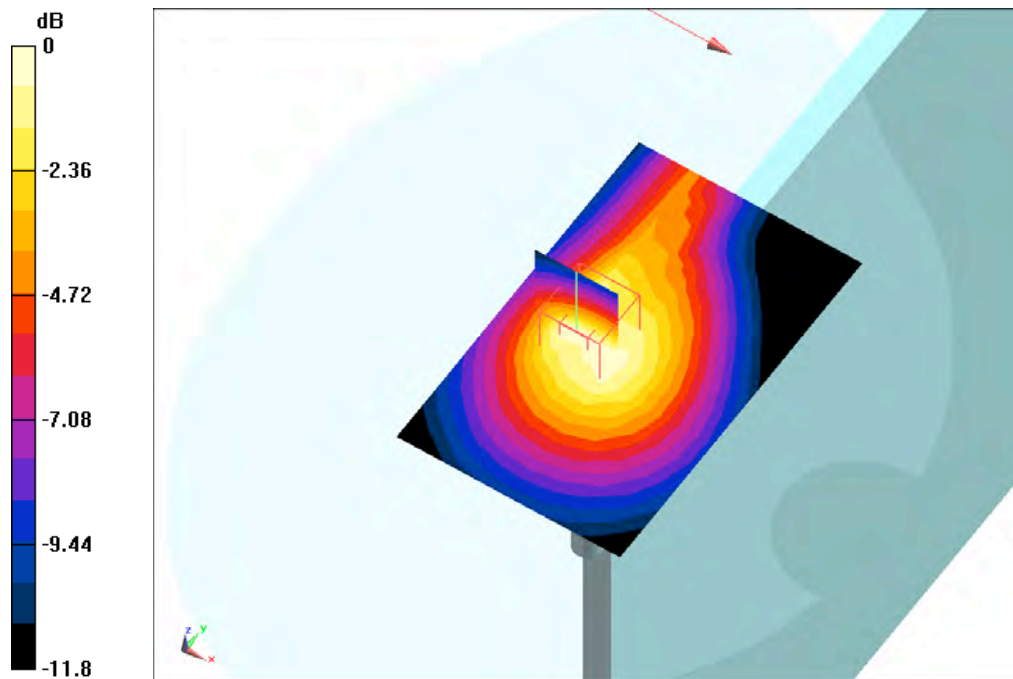
Reference Value = 14.6 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.369 W/kg

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.136 mW/g

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

Maximum value of SAR (measured) = 0.236 mW/g



0 dB = 0.236mW/g

Date/Time: 10/23/2009 11:26:11 AM Date/Time: 10/23/2009 11:35:53 AM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091023_GOBI2000-XT2_GPRS2UL-850_Secondary-Portrait.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: US GSM-GPRS850-2UL; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.18, 6.18, 6.18); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - High/Area Scan (8x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.178 mW/g

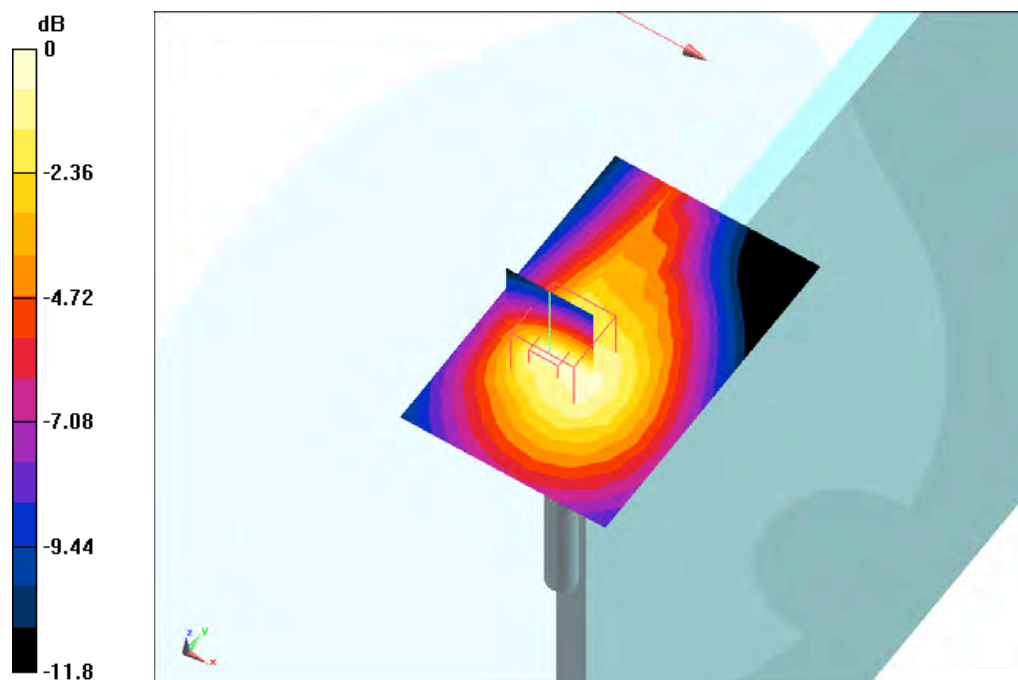
Laptop - Secondary Portrait - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = -0.559 dB

Peak SAR (extrapolated) = 0.295 W/kg

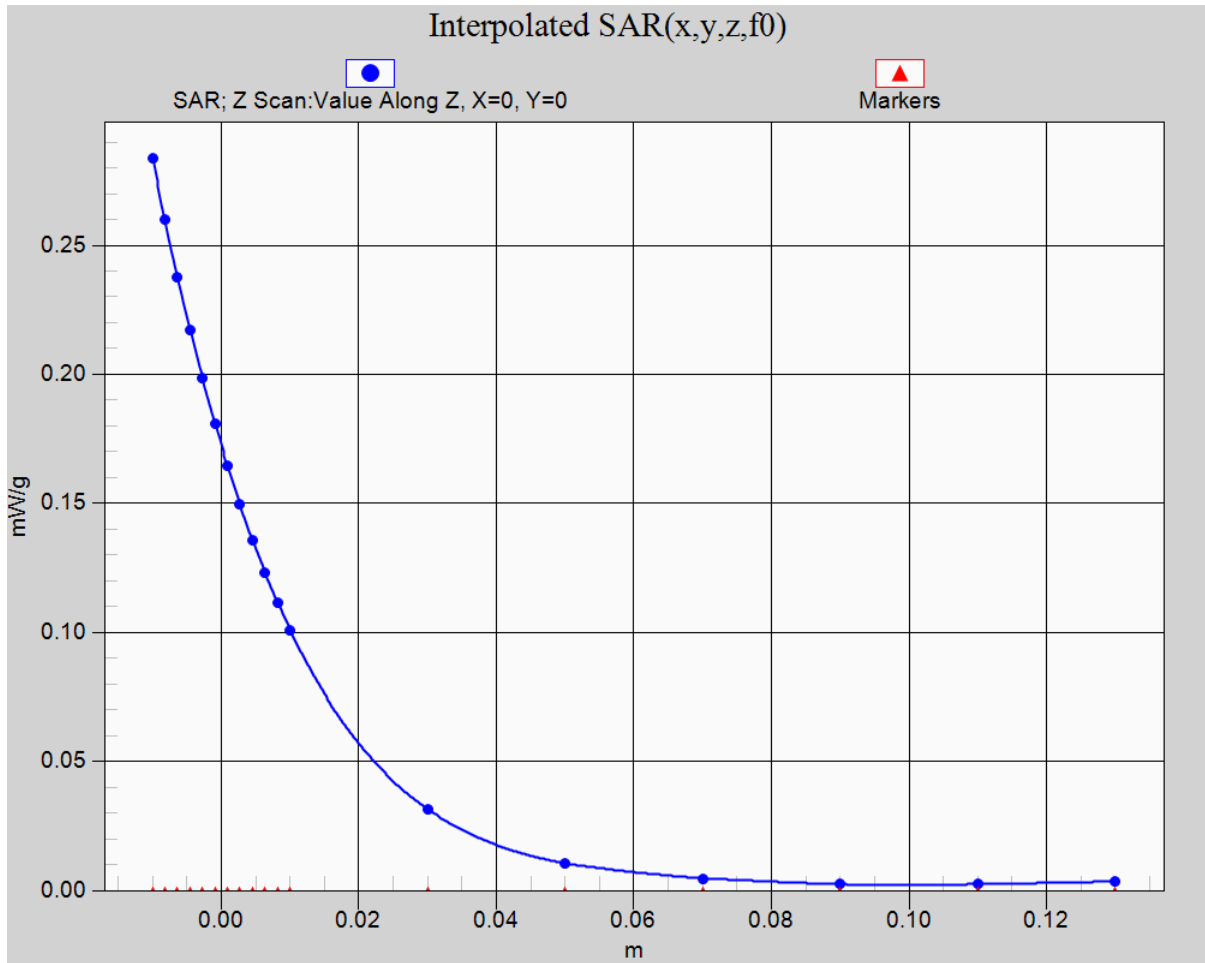
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.111 mW/g

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



0 dB = 0.196mW/g

13.1.3 GPRS850 band Z-axis plot (worst case scan)



13.2 EVDO r0 PCS

13.2.1 Tablet position

Date/Time: 10/22/2009 12:23:49 PM Date/Time: 10/22/2009 12:32:57 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091022_GOBI2000-XT2_EVDOr0-PCS-Tablet.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: CDMA PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(4.54, 4.54, 4.54); Calibrated: 9/15/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn566; Calibrated: 4/20/2009

- Phantom: SAM with CRP; Type: SAM;

- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Tablet Position - Low/Area Scan (9x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.614 mW/g

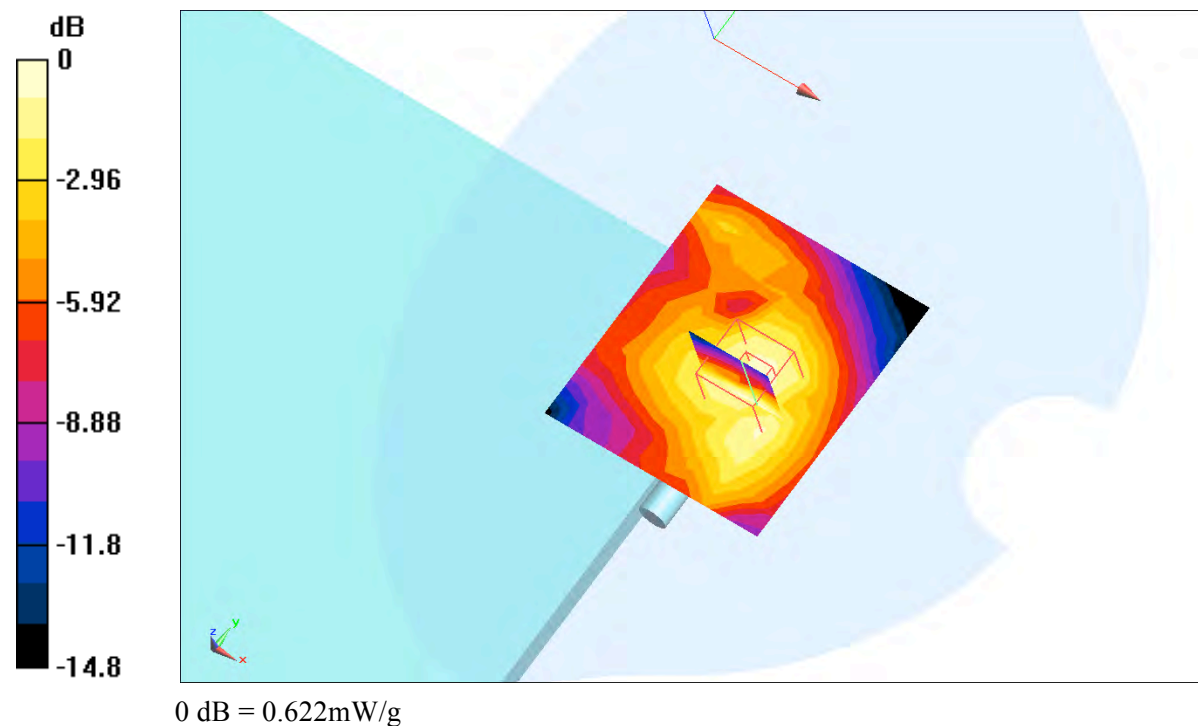
Laptop - Tablet Position - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.3 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.345 mW/g

Maximum value of SAR (measured) = 0.622 mW/g



Date/Time: 10/22/2009 11:25:11 AM Date/Time: 10/22/2009 11:37:18 AM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091022_GOBI2000-XT2_EVDOr0-PCS-Tablet.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(4.54, 4.54, 4.54); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Tablet Position - Middle/Area Scan (10x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.645 mW/g

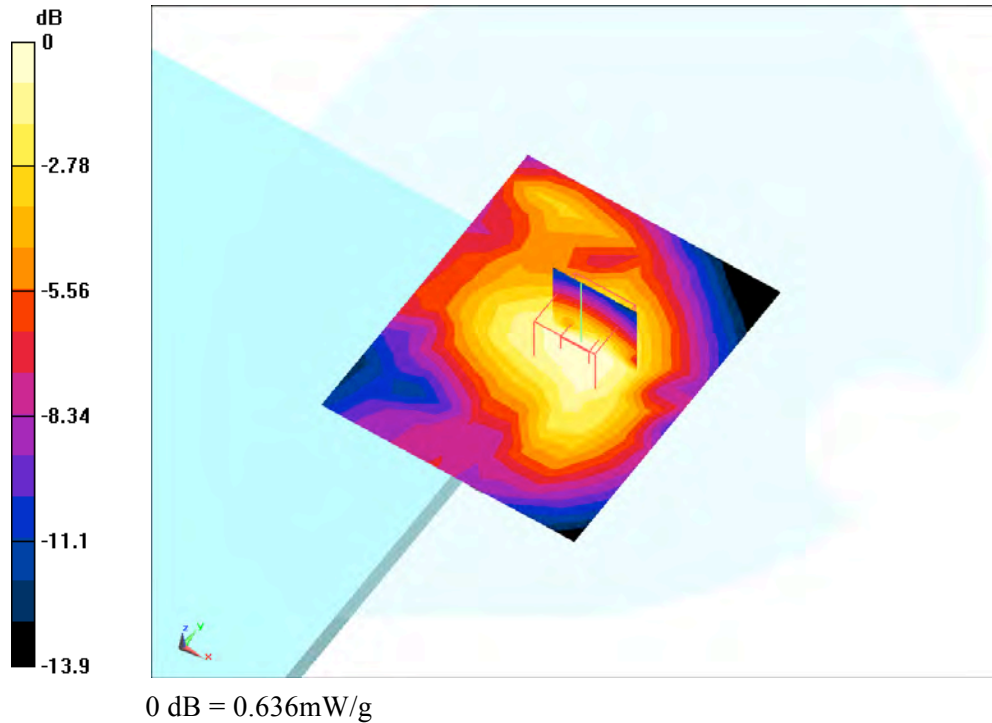
Laptop - Tablet Position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.470 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.365 mW/g

Maximum value of SAR (measured) = 0.636 mW/g



Date/Time: 10/22/2009 11:54:52 AM Date/Time: 10/22/2009 12:04:01 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091022_GOBI2000-XT2_EVDOr0-PCS-Tablet.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: CDMA PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908.75$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(4.54, 4.54, 4.54); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Tablet Position - High/Area Scan (9x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.515 mW/g

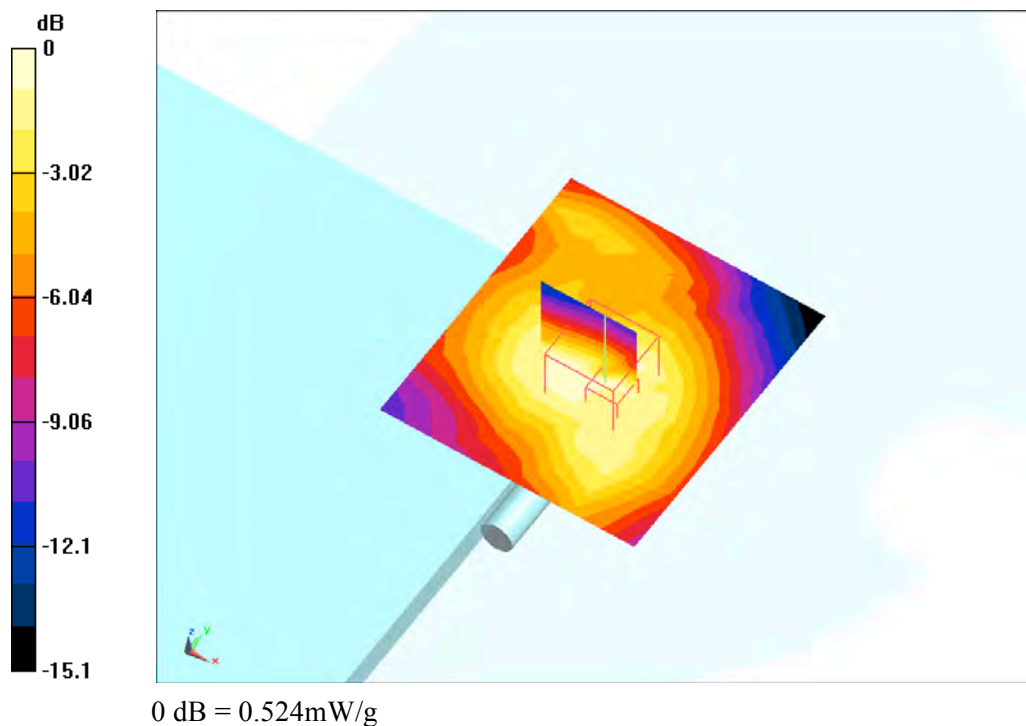
Laptop - Tablet Position - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.130 dB

Peak SAR (extrapolated) = 0.958 W/kg

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.524 mW/g



13.2.2 Secondary portrait position

Date/Time: 10/22/2009 4:31:35 PM Date/Time: 10/22/2009 4:41:13 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091022_GOBI2000-XT2_EVDOr0-PCS-Secondary-Portrait.da5](#)

DUT: Dell Latitude XT2\Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: CDMA PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(4.54, 4.54, 4.54); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - Low/Area Scan (8x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.186 mW/g

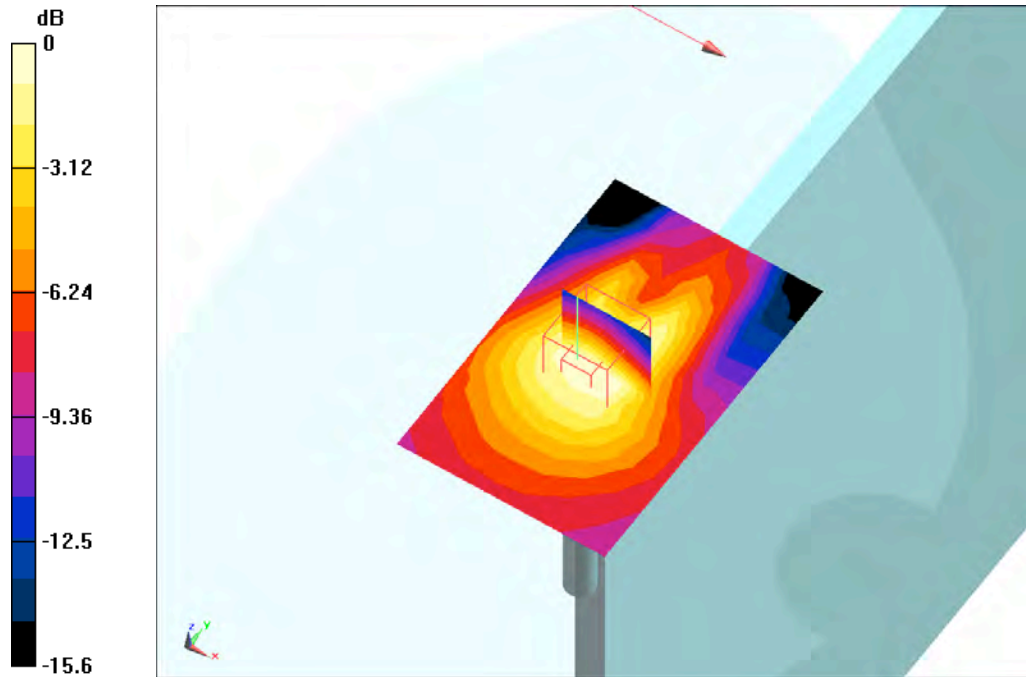
Laptop - Secondary Portrait - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.195 mW/g



0 dB = 0.195mW/g

Date/Time: 10/22/2009 3:18:44 PM Date/Time: 10/22/2009 3:31:22 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091022_GOBI2000-XT2_EVDOr0-PCS-Secondary-Portrait.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(4.54, 4.54, 4.54); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait- Middle/Area Scan (9x14x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.178 mW/g

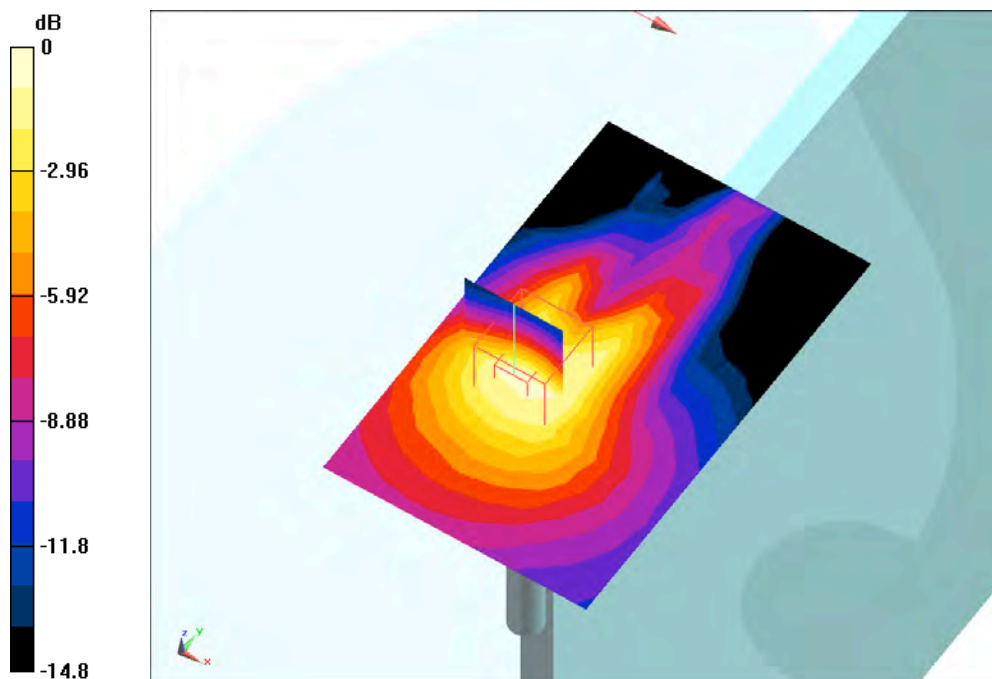
Laptop - Secondary Portrait- Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.197 mW/g



0 dB = 0.197mW/g

Date/Time: 10/22/2009 4:59:59 PM Date/Time: 10/22/2009 5:09:38 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20091022_GOBI2000-XT2_EVDOr0-PCS-Secondary-Portrait.da5](#)

DUT: Dell Latitude XT2/Gobi2000; Type: Laptop; Serial: 3KW2LK1

Program Name: Compliance Testing: P1528 Protocol (Flat section)

Communication System: CDMA PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908.75$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(4.54, 4.54, 4.54); Calibrated: 9/15/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Tablet Position - High/Area Scan (8x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.137 mW/g

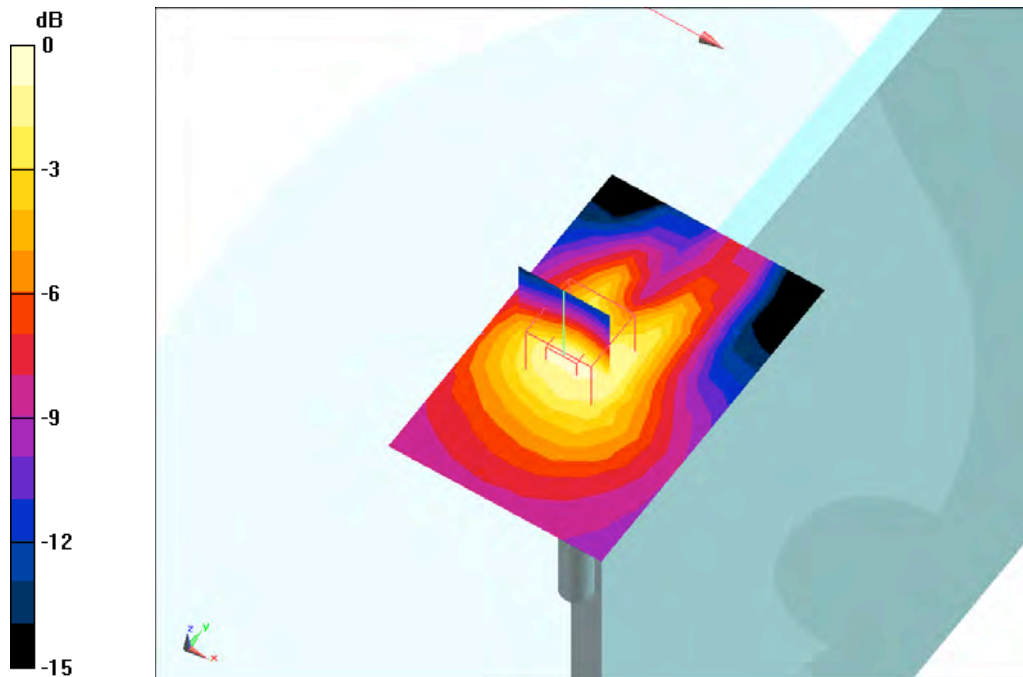
Laptop - Tablet Position - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.21 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.157 mW/g



0 dB = 0.157mW/g

13.2.3 PCS 1900 band Z-axis plot (worst case scan)

