

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 (%)
9/25/2009	835	0.945	9.45	9.8	-3.7%
9/28/2009	835	0.954	9.54	9.8	-2.8%
9/28/2009	1900	4.20	42.0	39.5	+5.9%

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

12.3 835 MHz System Check (Day 1)

Date/Time: 9/25/2009 3:17:39 PM Date/Time: 9/25/2009 3:24:06 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20090925_Val835_20dBm.da5](#)

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:466

Program Name: System Performance Check at 900 MHz

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

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.946$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

d=15mm, Pin=20 dBm, dist=4.0mm (ET-Probe)/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.04 mW/g

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

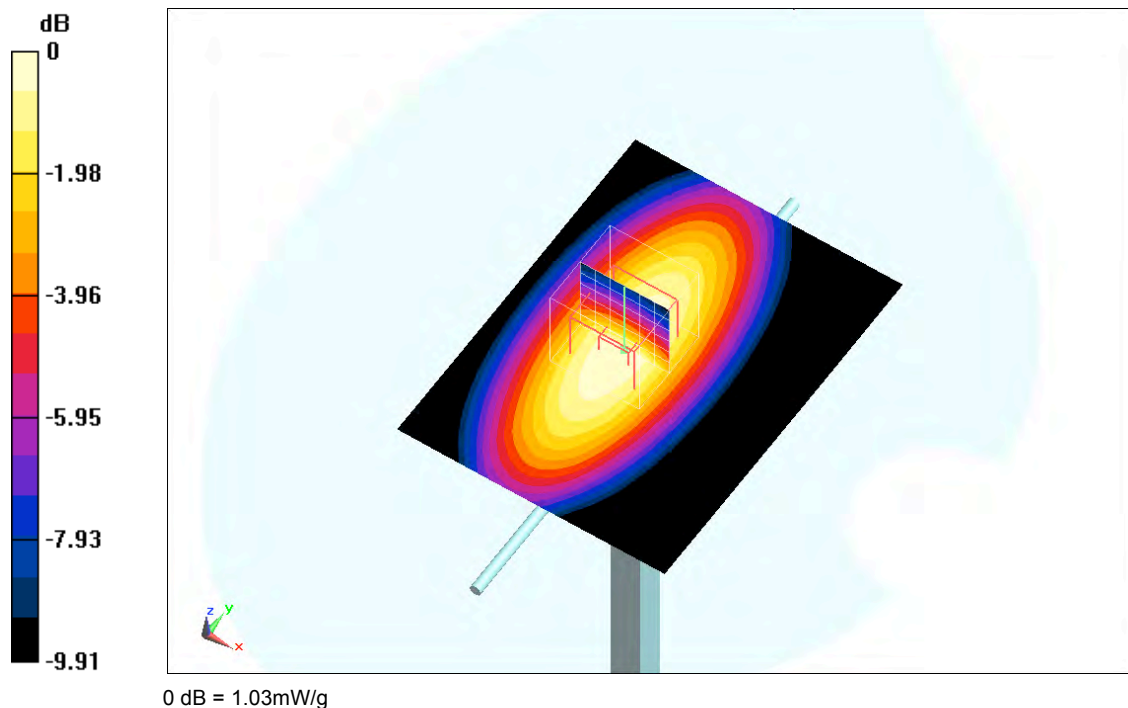
Reference Value = 34.5 V/m; Power Drift = -0.223 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.627 mW/g

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

Maximum value of SAR (measured) = 1.03 mW/g



12.4 835 MHz System Check (Day 2)

Date/Time: 9/28/2009 9:02:10 AM Date/Time: 9/28/2009 9:08:37 AM

Test Laboratory: QUALCOMM Incorporated

File Name: [20090928_Val835_20dBm.da5](#)

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:466

Program Name: System Performance Check at 900 MHz

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

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.946$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

d=15mm, Pin=20 dBm, dist=4.0mm (ET-Probe)/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.06 mW/g

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

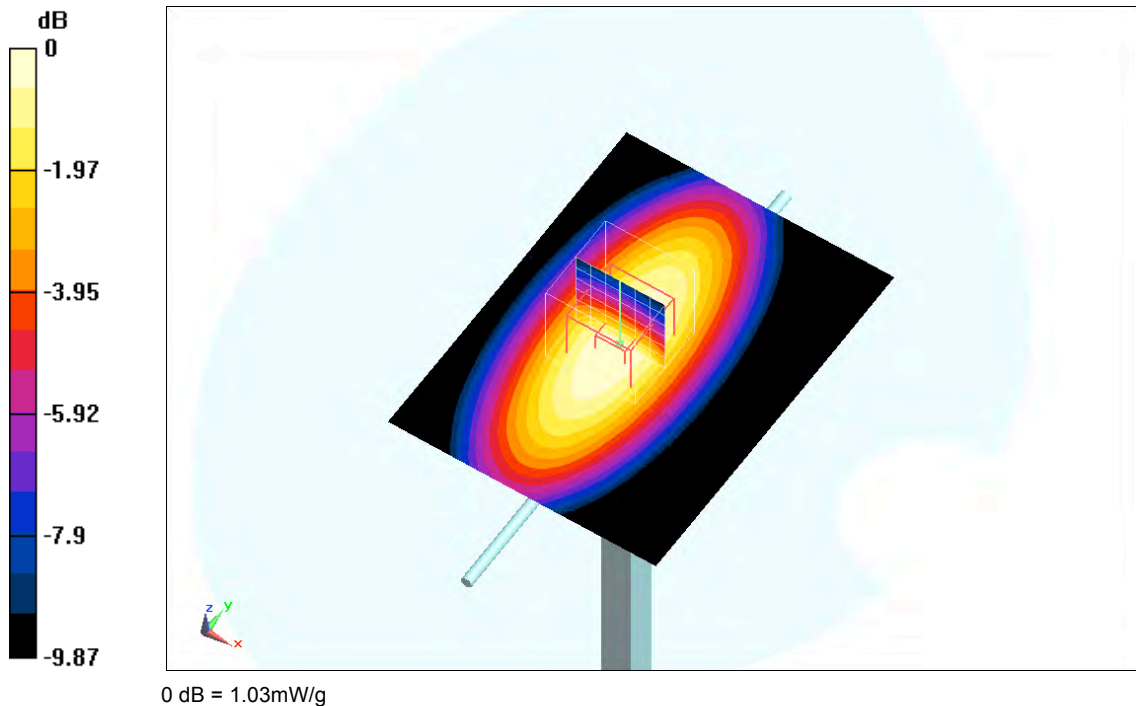
Reference Value = 35.4 V/m; Power Drift = -0.256 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.634 mW/g

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

Maximum value of SAR (measured) = 1.03 mW/g



12.5 1900 MHz System Check

Date/Time: 9/24/2009 2:05:49 PM Date/Time: 9/24/2009 2:10:48 PM

Test Laboratory: QUALCOMM Incorporated

File Name: [20090924_Val1900_20dBm.da5](#)

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d096

Program Name: System Performance Check at 1900 MHz

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

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

d=10mm, Pin=20 dBm, dist=4.0mm (ET-Probe) 2/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 5.01 mW/g

d=10mm, Pin=20 dBm, dist=4.0mm (ET-Probe) 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

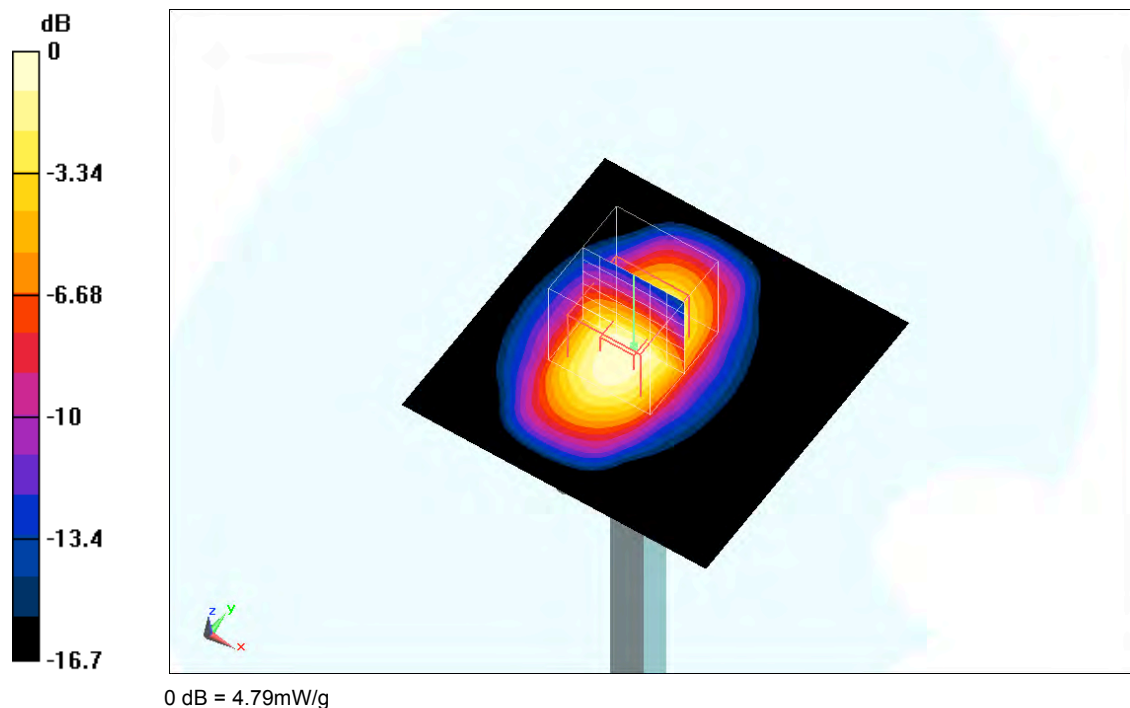
Reference Value = 58.7 V/m; Power Drift = -0.00961 dB

Peak SAR (extrapolated) = 6.88 W/kg

SAR(1 g) = 4.2 mW/g; SAR(10 g) = 2.25 mW/g

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

Maximum value of SAR (measured) = 4.79 mW/g



13. SAR Plot Reports

The following pages show DASY5-generated data and plots.

13.1 ACON Antenna

13.1.1 GPRS 850 (2 slots)

13.1.1.1 Tablet position

Date/Time: 9/28/2009 1:15:32 PM Date/Time: 9/28/2009 1:23:42 PM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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 (extrapolated): $f = 824.2$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Tablet Position - Low/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.155 mW/g

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

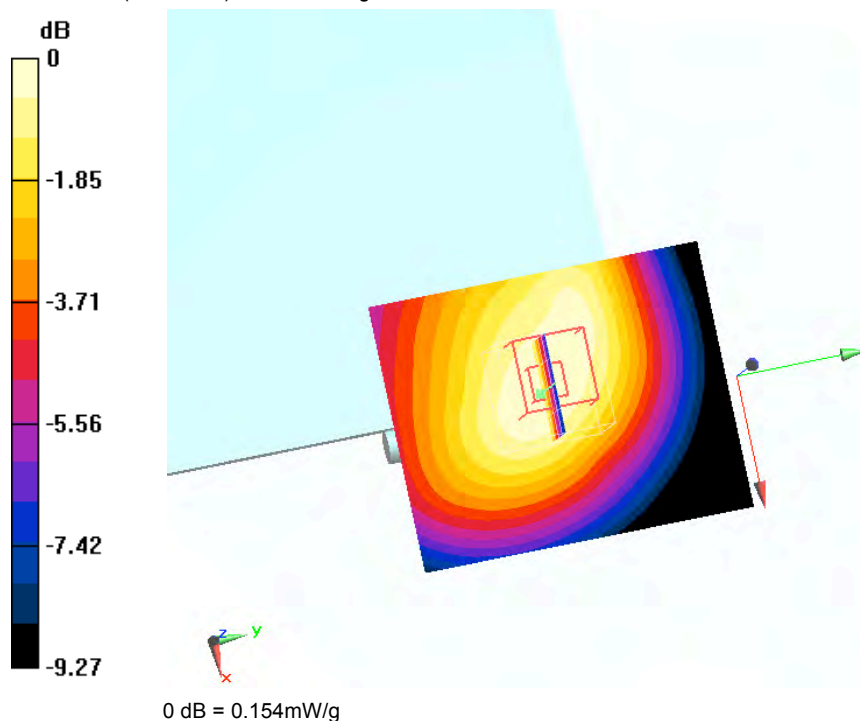
Reference Value = 10.2 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.105 mW/g

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

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



Date/Time: 9/28/2009 1:40:08 PM Date/Time: 9/28/2009 1:50:14 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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; $\sigma = 0.948$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Tablet Position - Middle/Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.208 mW/g

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

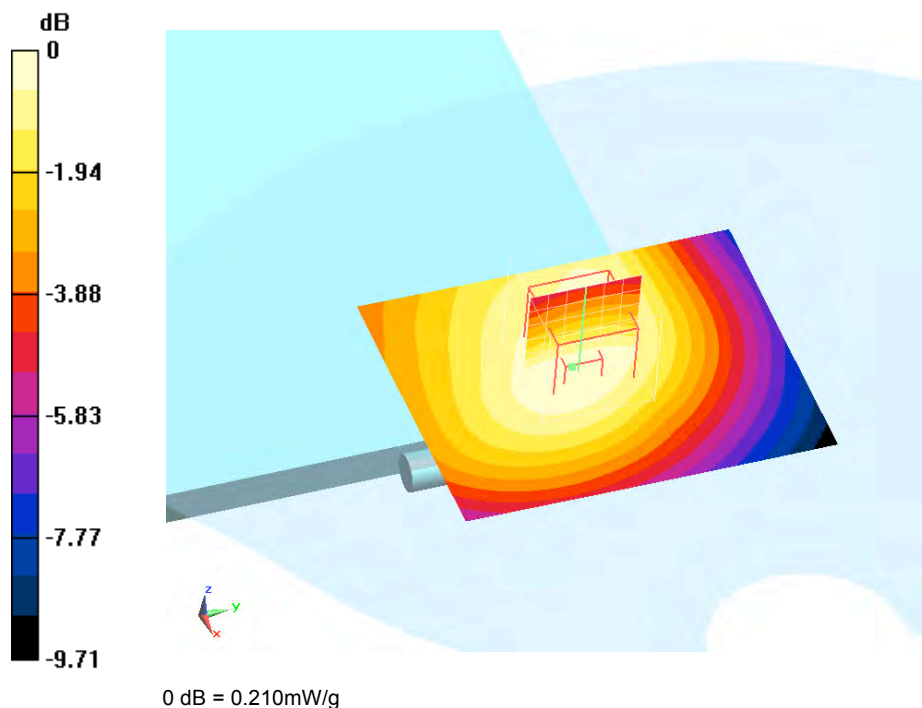
Reference Value = 11.5 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.142 mW/g

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

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



Date/Time: 9/28/2009 2:10:05 PM Date/Time: 9/28/2009 2:18:16 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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 (extrapolated): $f = 848.8$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Tablet Position - High/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.171 mW/g

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

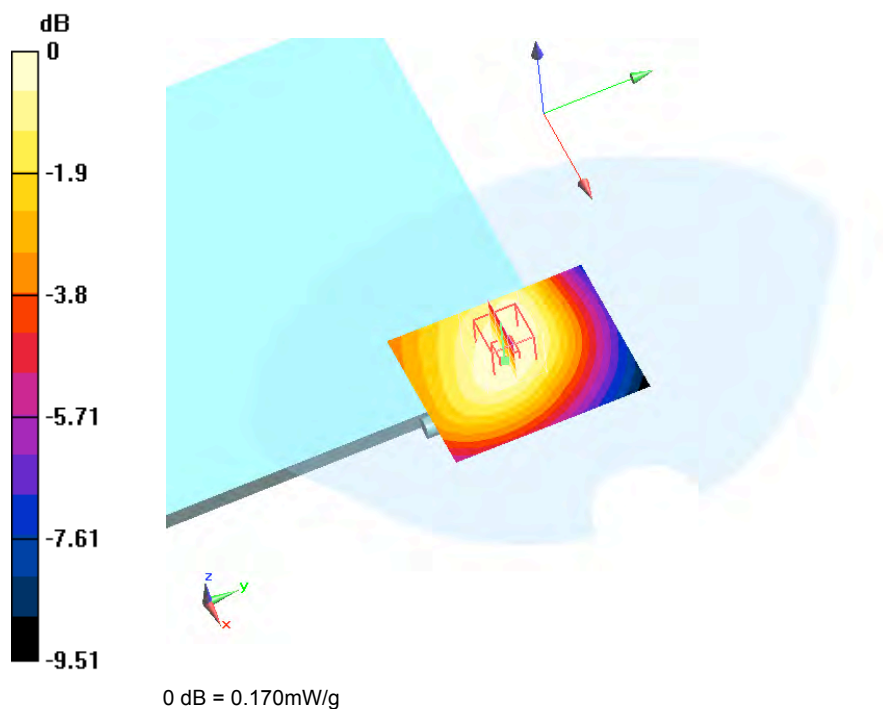
Reference Value = 10.3 V/m; Power Drift = -0.00808 dB

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.116 mW/g

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

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



13.1.1.2 Secondary portrait position

Date/Time: 9/28/2009 2:37:38 PM Date/Time: 9/28/2009 2:43:12 PM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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 (extrapolated): $f = 824.2$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - Low/Area Scan (51x81x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (interpolated) = 0.273 mW/g

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

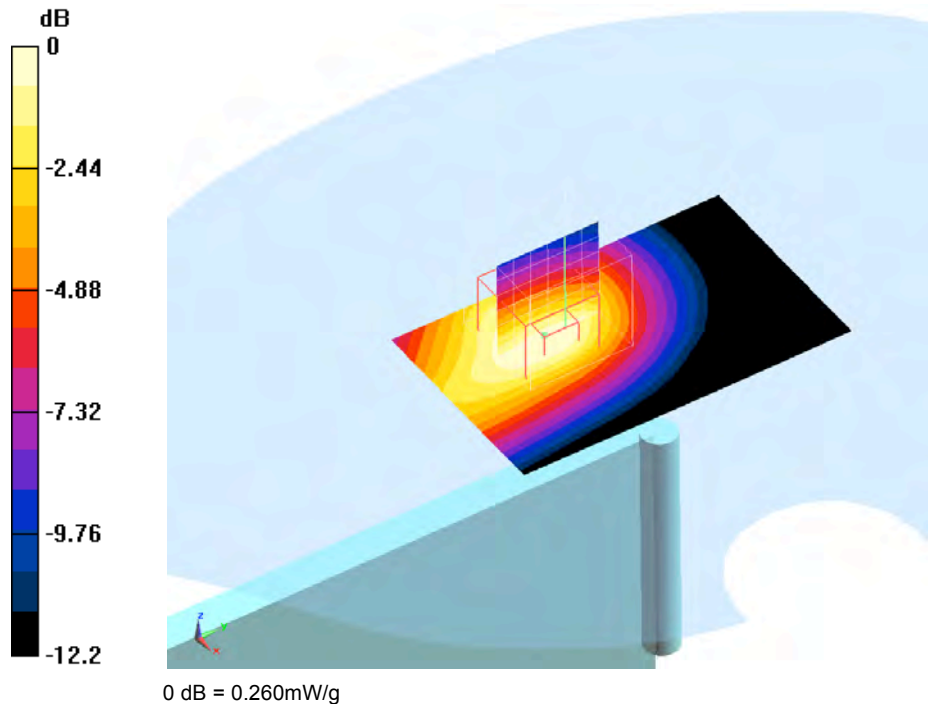
Reference Value = 14.8 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.156 mW/g

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

Maximum value of SAR (measured) = 0.260 mW/g



Date/Time: 9/28/2009 3:00:36 PM Date/Time: 9/28/2009 3:10:37 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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; $\sigma = 0.948$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait- Middle/Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.370 mW/g

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

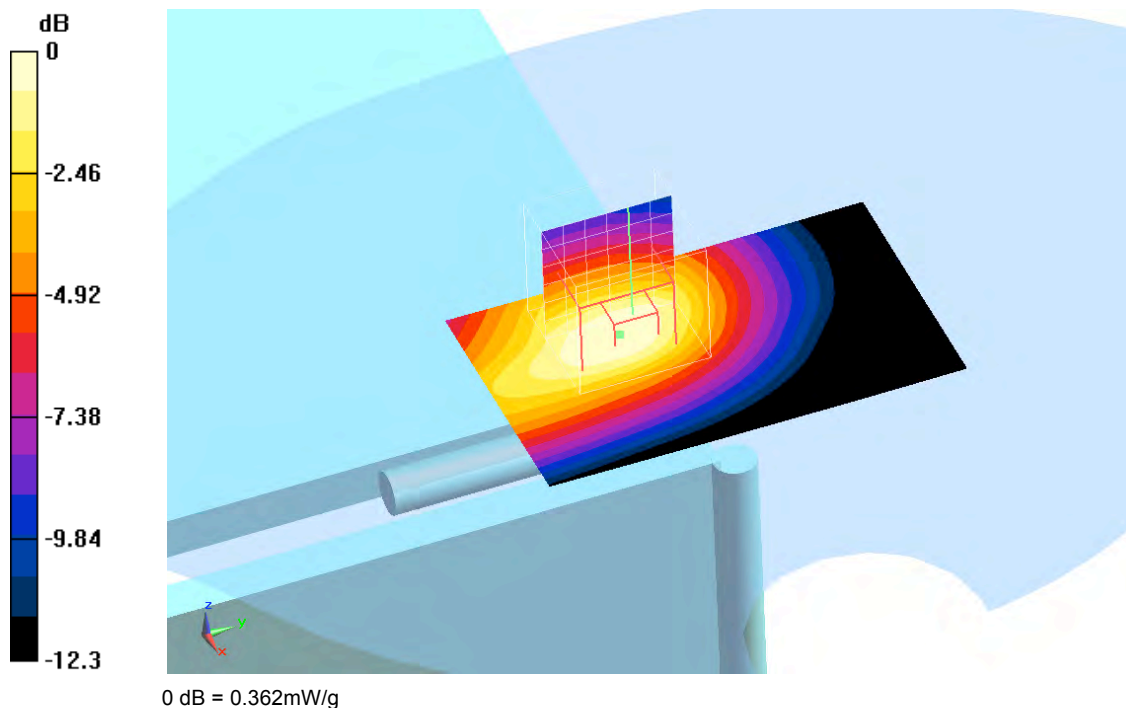
Reference Value = 17.3 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.215 mW/g

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

Maximum value of SAR (measured) = 0.362 mW/g



Date/Time: 9/28/2009 3:34:47 PM Date/Time: 9/28/2009 3:40:21 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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 (extrapolated): $f = 848.8$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - High/Area Scan (51x81x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (interpolated) = 0.276 mW/g

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

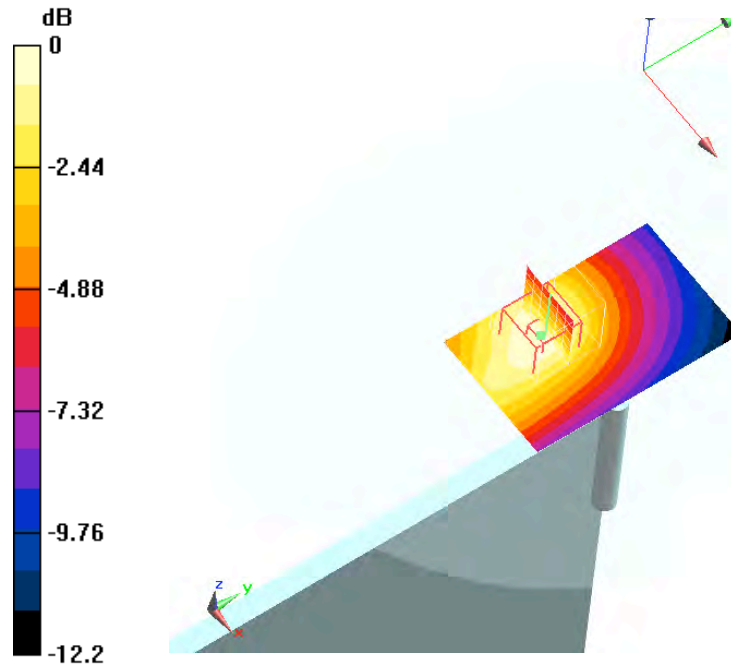
Reference Value = 14.7 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.368 W/kg

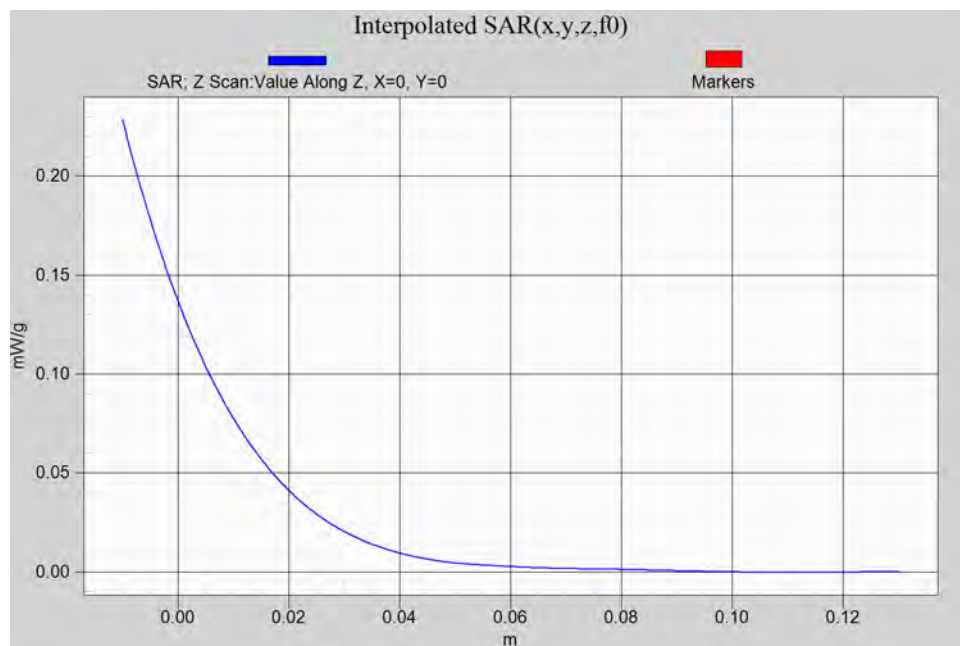
SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.161 mW/g

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

Maximum value of SAR (measured) = 0.268 mW/g



13.1.2 ACON GPRS850 band Z-axis plot (worst case scan)



13.1.3 EVDO r0 PCS

13.1.3.1 Tablet position

Date/Time: 9/25/2009 1:04:55 PM Date/Time: 9/25/2009 1:21:43 PM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009

- 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 (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.167 mW/g

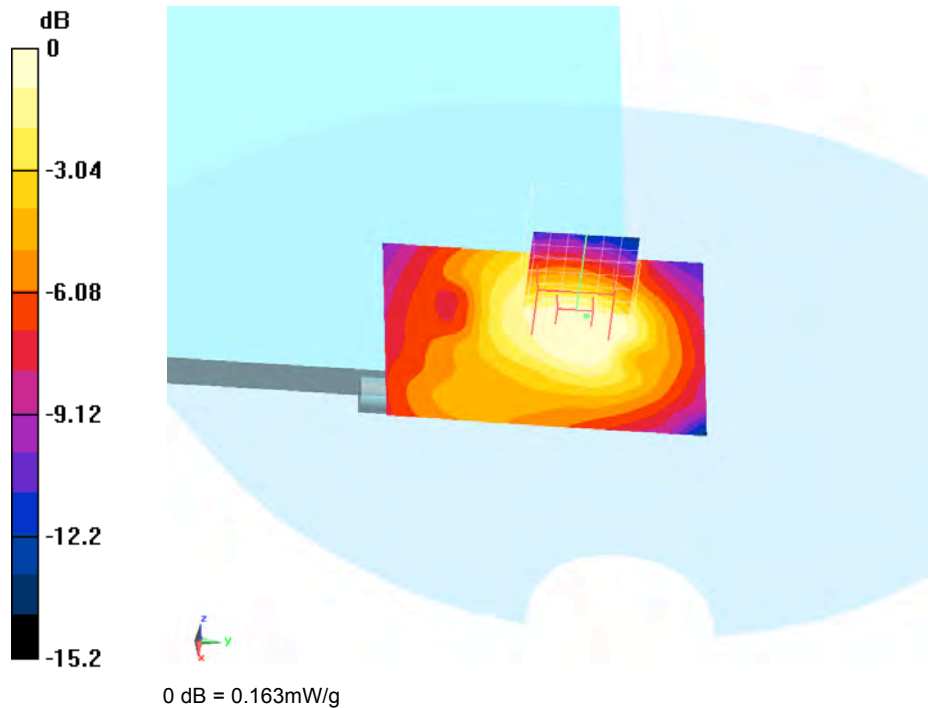
Laptop - Tablet Position - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.06 V/m; Power Drift = -1.57 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.163 mW/g



Date/Time: 9/25/2009 1:56:50 PM Date/Time: 9/25/2009 2:06:55 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- 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 (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.165 mW/g

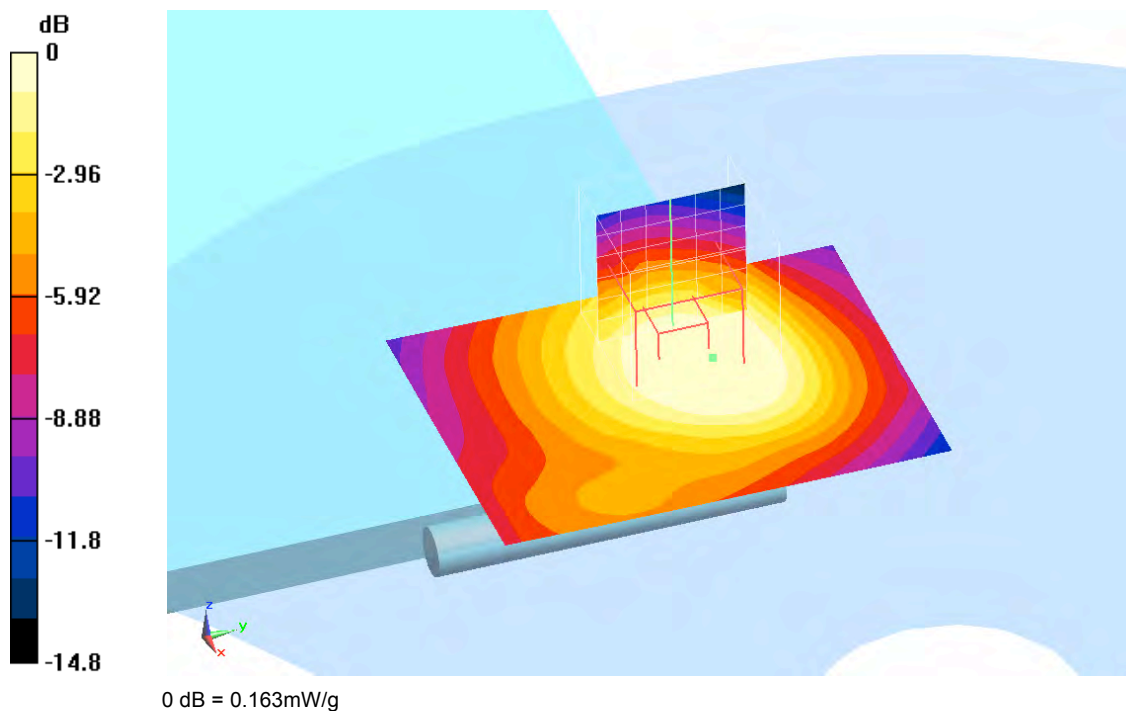
Laptop - Tablet Position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.52 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.163 mW/g



Date/Time: 9/25/2009 2:22:49 PM Date/Time: 9/25/2009 2:31:00 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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; $\sigma = 1.56$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- 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 (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.212 mW/g

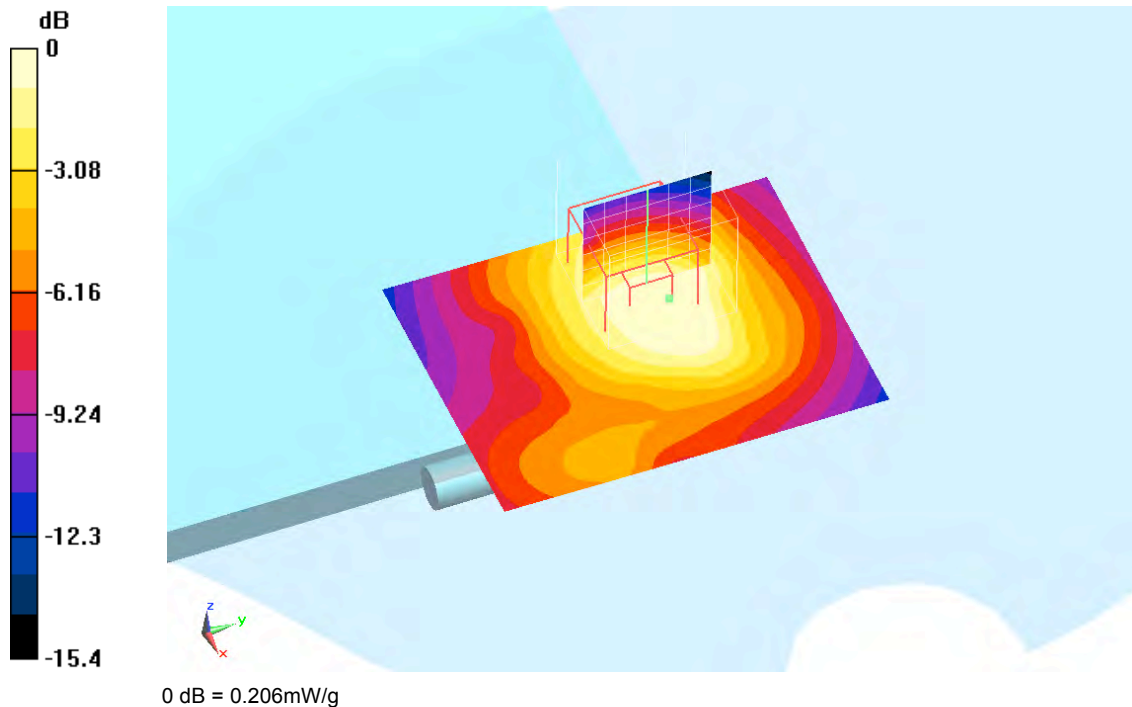
Laptop - Tablet Position - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.17 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.206 mW/g



13.1.3.2 Secondary portrait position

Date/Time: 9/25/2009 11:45:39 AM Date/Time: 9/25/2009 11:51:06 AM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - Low/Area Scan (51x81x1): Measurement grid: dx=12mm, dy=12mm

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

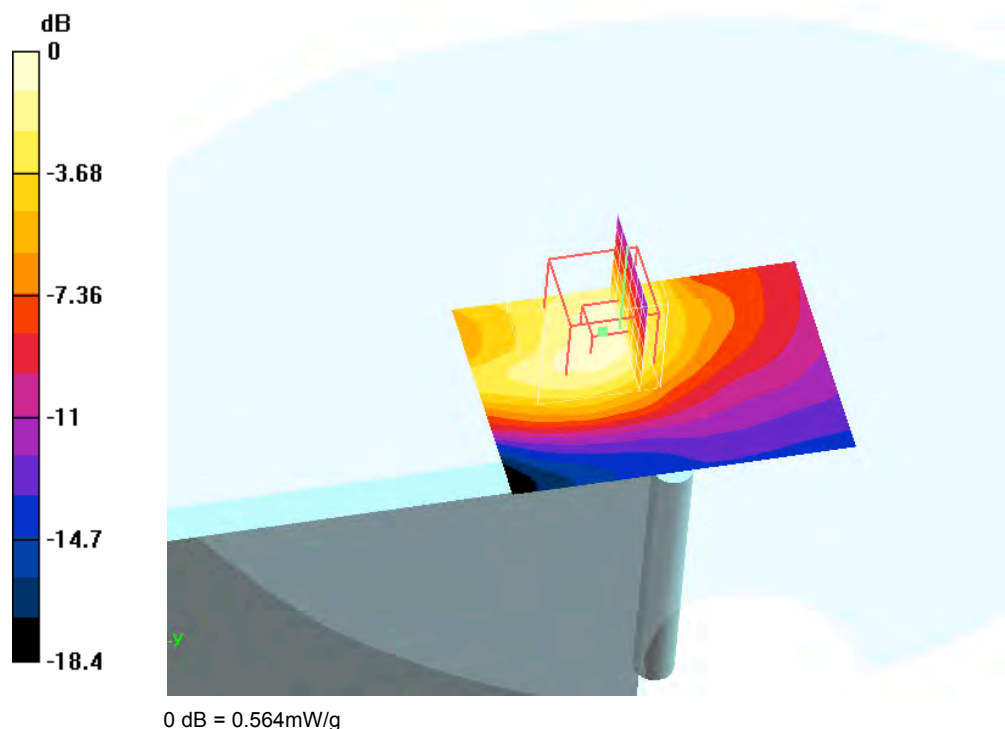
Laptop - Secondary Portrait - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.258 mW/g

Maximum value of SAR (measured) = 0.564 mW/g



Date/Time: 9/25/2009 12:06:08 PM Date/Time: 9/25/2009 12:15:58 PM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait- Middle/Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.541 mW/g

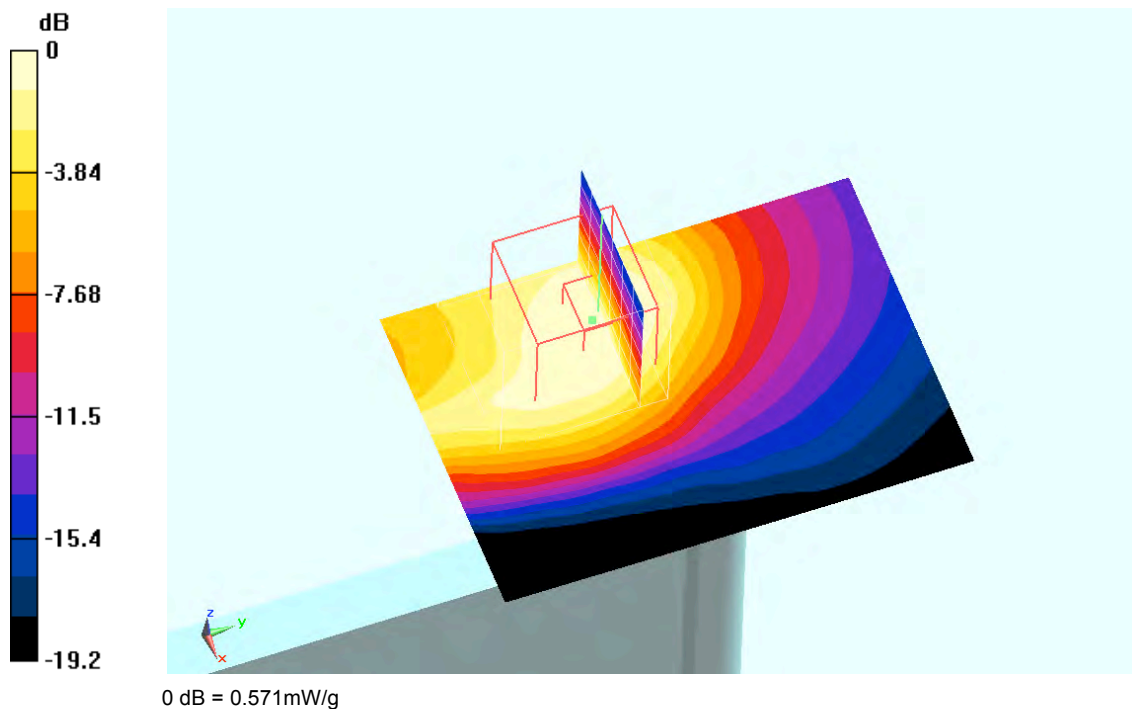
Laptop - Secondary Portrait- Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.3 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.972 W/kg

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 0.571 mW/g



Date/Time: 9/25/2009 12:32:35 PM Date/Time: 9/25/2009 12:38:09 PM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: ACON SAR2

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; $\sigma = 1.56$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Tablet Position - High/Area Scan (51x81x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.552 mW/g

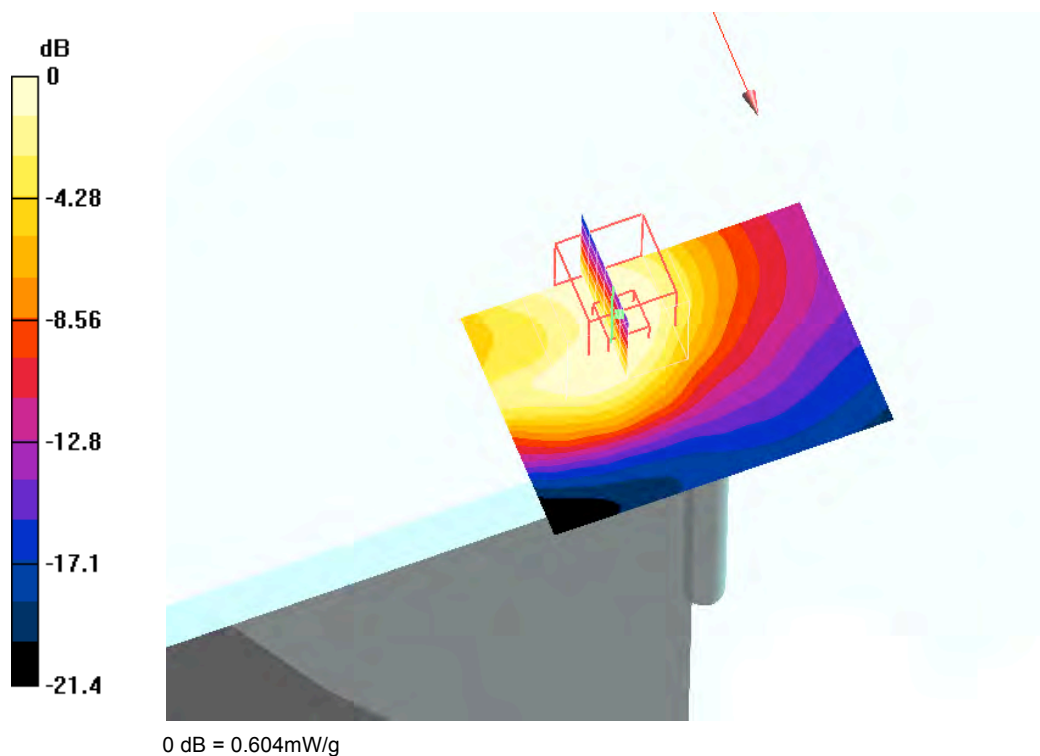
Laptop - Tablet Position - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = 1.2 dB

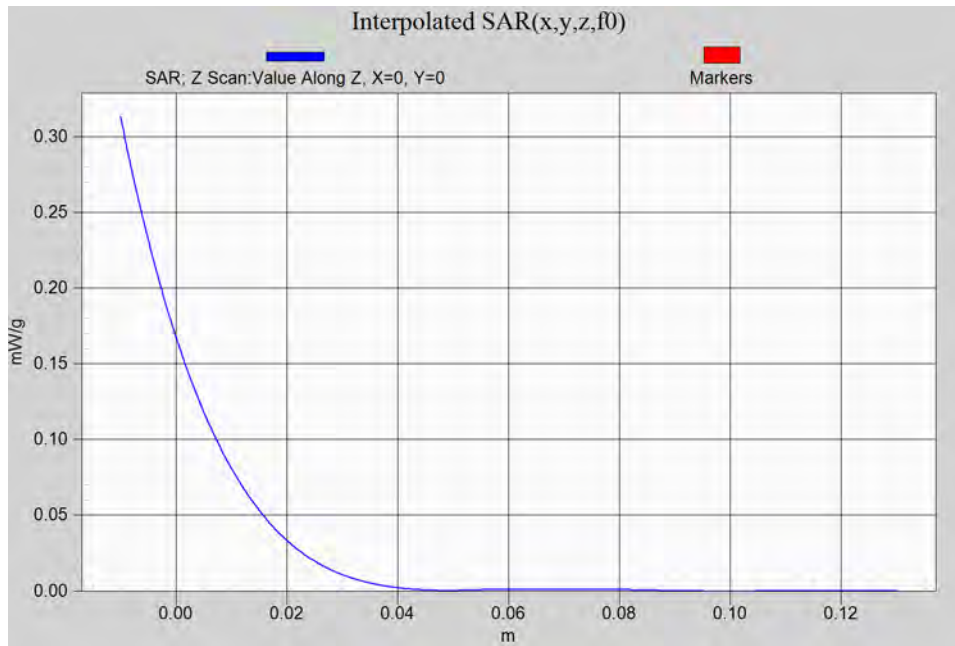
Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.604 mW/g



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



13.2 Wistron Antenna

13.2.1 GPRS 850 (2 slots)

13.2.1.1 Tablet position

Date/Time: 9/28/2009 11:14:38 AM Date/Time: 9/28/2009 11:22:49 AM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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 (extrapolated): $f = 824.2$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- 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 (71x91x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.539 mW/g

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

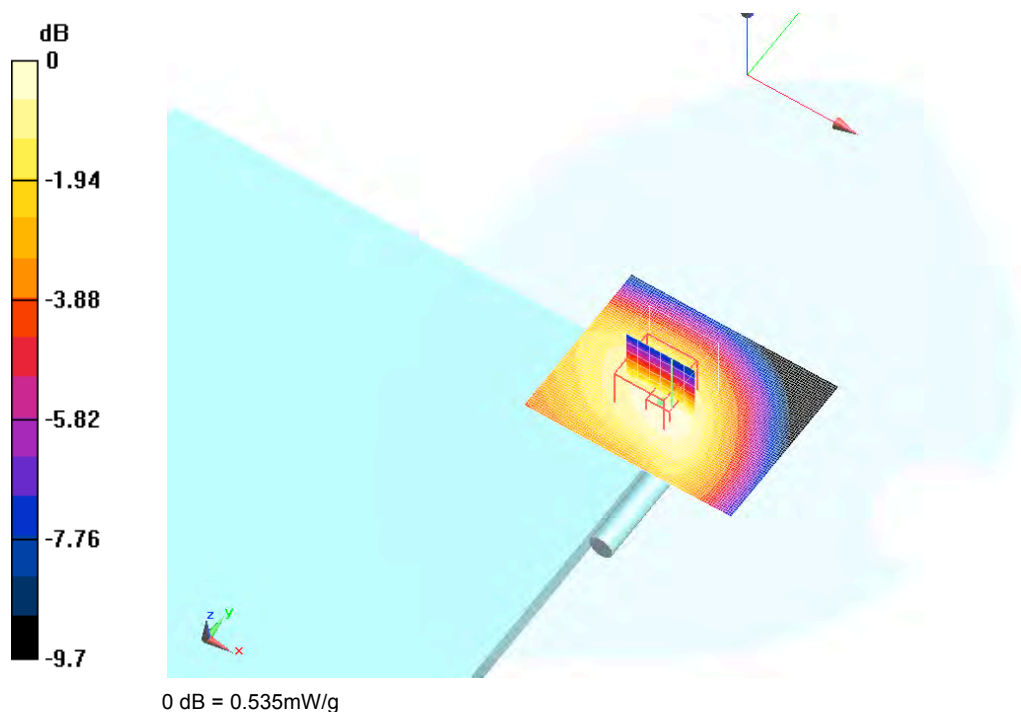
Reference Value = 16.6 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.358 mW/g

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

Maximum value of SAR (measured) = 0.535 mW/g



Date/Time: 9/28/2009 11:49:38 AM Date/Time: 9/28/2009 11:59:48 AM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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; $\sigma = 0.948$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- 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 (81x101x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.402 mW/g

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

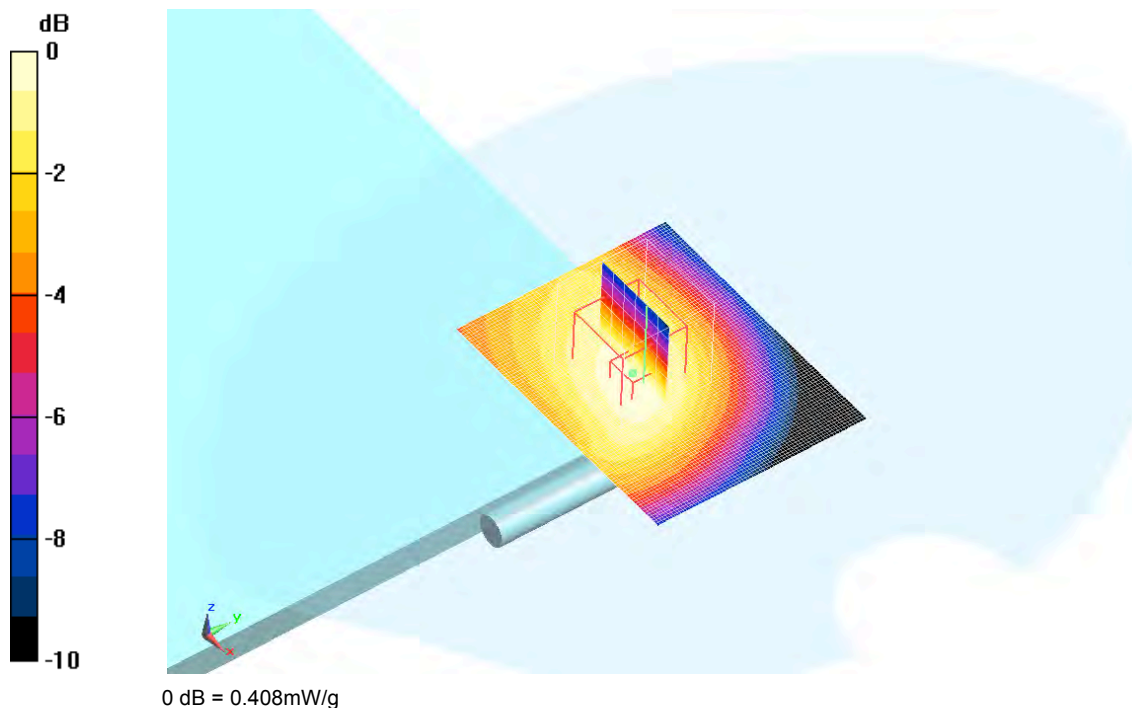
Reference Value = 14.3 V/m; Power Drift = 0.00667 dB

Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.271 mW/g

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

Maximum value of SAR (measured) = 0.408 mW/g



Date/Time: 9/28/2009 12:19:55 PM Date/Time: 9/28/2009 12:28:08 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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 (extrapolated): $f = 848.8$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- 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 (71x91x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.371 mW/g

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

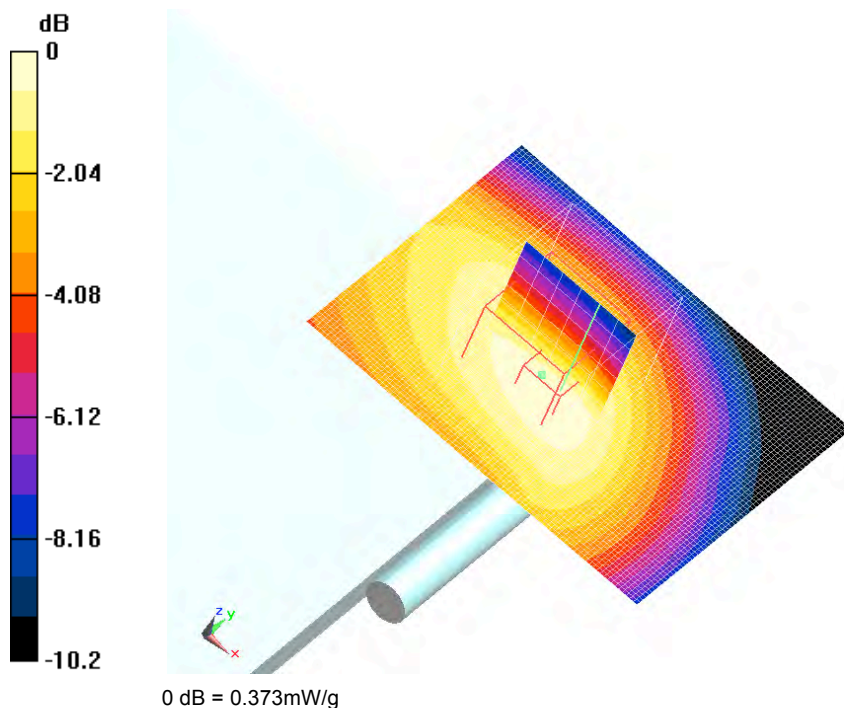
Reference Value = 13.5 V/m; Power Drift = -0.217 dB

Peak SAR (extrapolated) = 0.463 W/kg

SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.248 mW/g

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

Maximum value of SAR (measured) = 0.373 mW/g



13.2.1.2 Secondary portrait position

Date/Time: 9/28/2009 10:22:05 AM Date/Time: 9/28/2009 10:32:06 AM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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; $\sigma = 0.948$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait- Middle/Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.536 mW/g

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

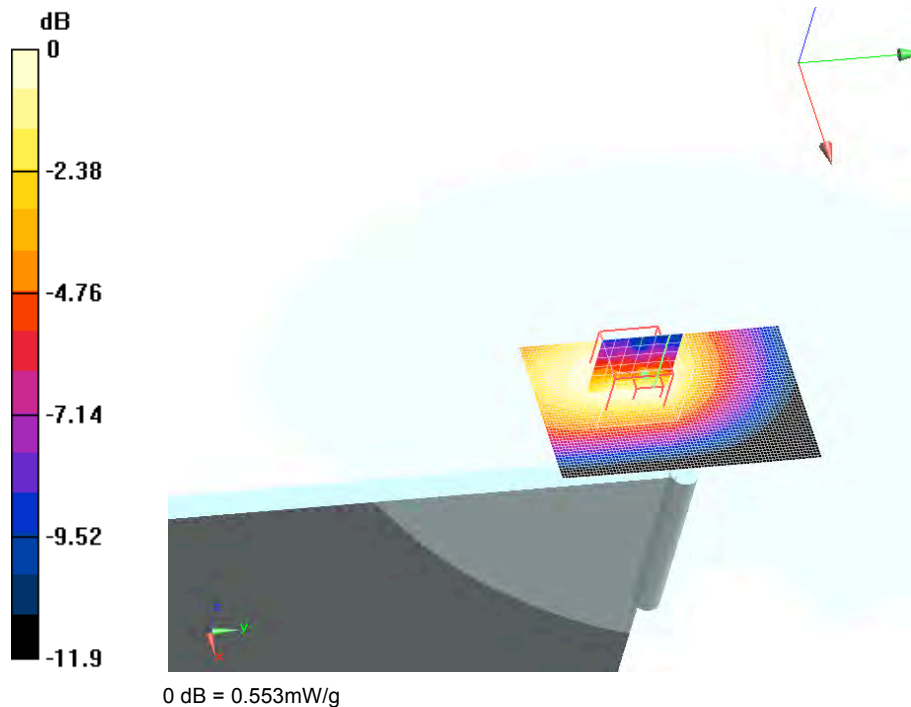
Reference Value = 18.9 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.786 W/kg

SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.335 mW/g

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

Maximum value of SAR (measured) = 0.553 mW/g



Date/Time: 9/28/2009 10:22:05 AM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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; $\sigma = 0.948$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

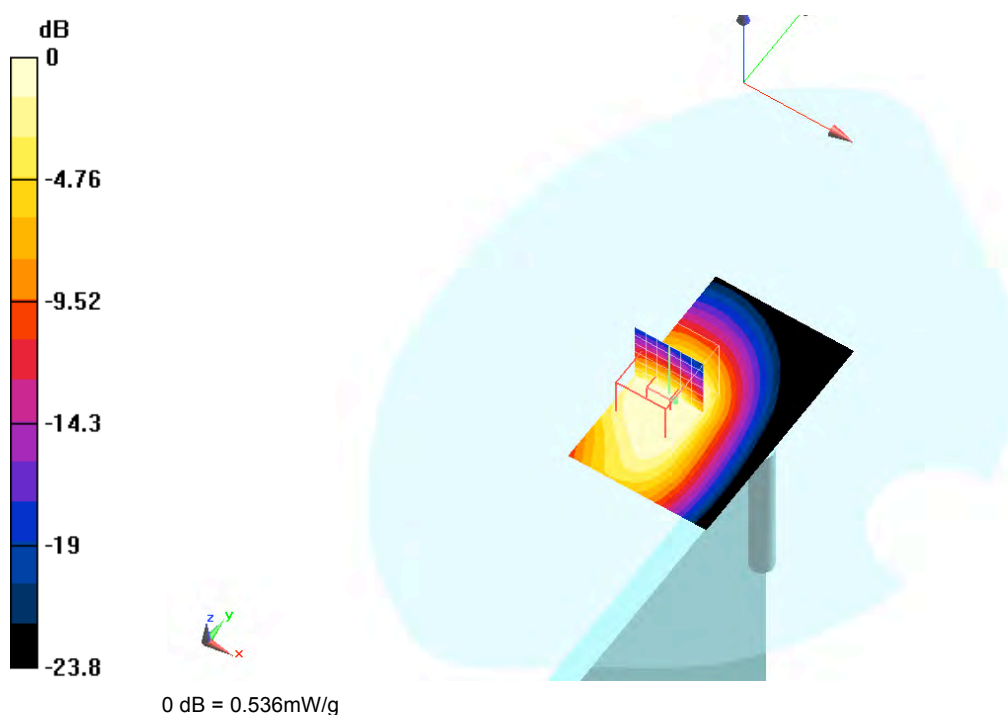
DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait- Middle/Area Scan (61x131x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (interpolated) = 0.536 mW/g



Date/Time: 9/28/2009 10:46:30 AM Date/Time: 9/28/2009 10:52:03 AM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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 (extrapolated): $f = 824.2$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(5.85, 5.85, 5.85); Calibrated: 4/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 4/20/2009
- Phantom: SAM with CRP; Type: SAM; Serial: Not Specified
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Laptop - Secondary Portrait - Low/Area Scan (51x81x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (interpolated) = 0.459 mW/g

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

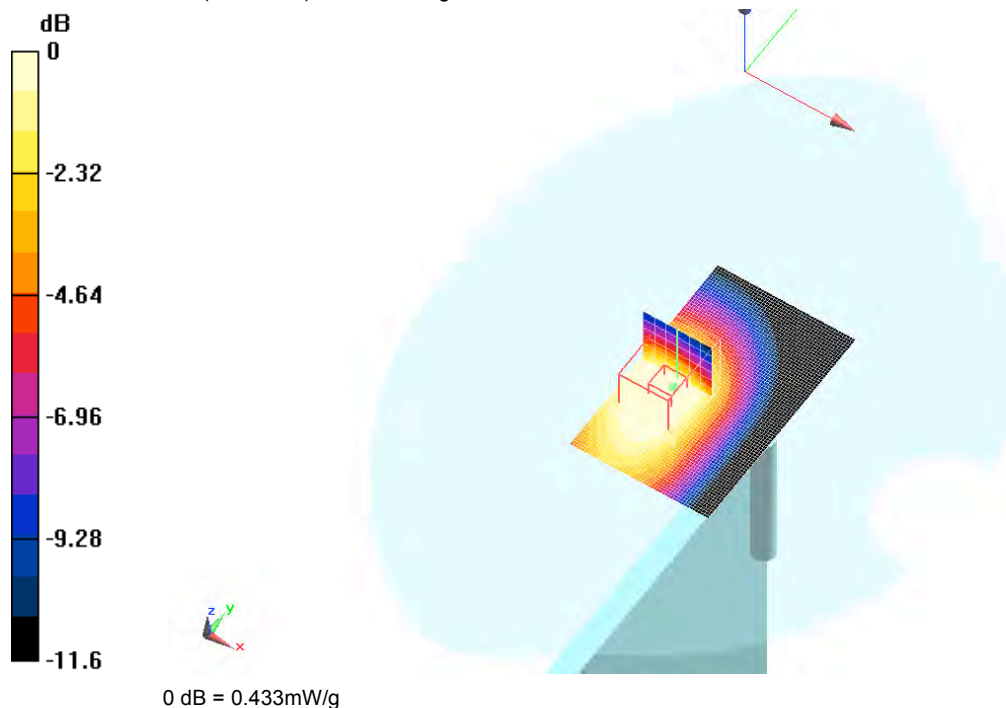
Reference Value = 17.3 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.608 W/kg

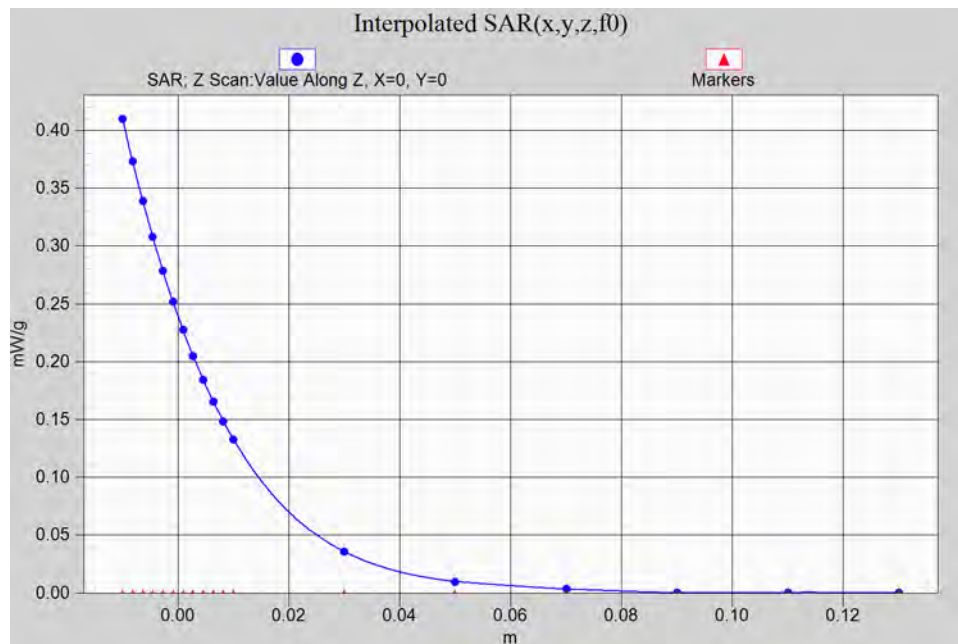
SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.265 mW/g

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

Maximum value of SAR (measured) = 0.433 mW/g



13.2.2 Wistron (WNC) GPRS850 band Z-axis plot (worst-case scan)



13.2.3 EVDO r0 PCS

13.2.3.1 Tablet position

Date/Time: 9/24/2009 2:48:42 PM Date/Time: 9/24/2009 2:57:00 PM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- 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 (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.280 mW/g

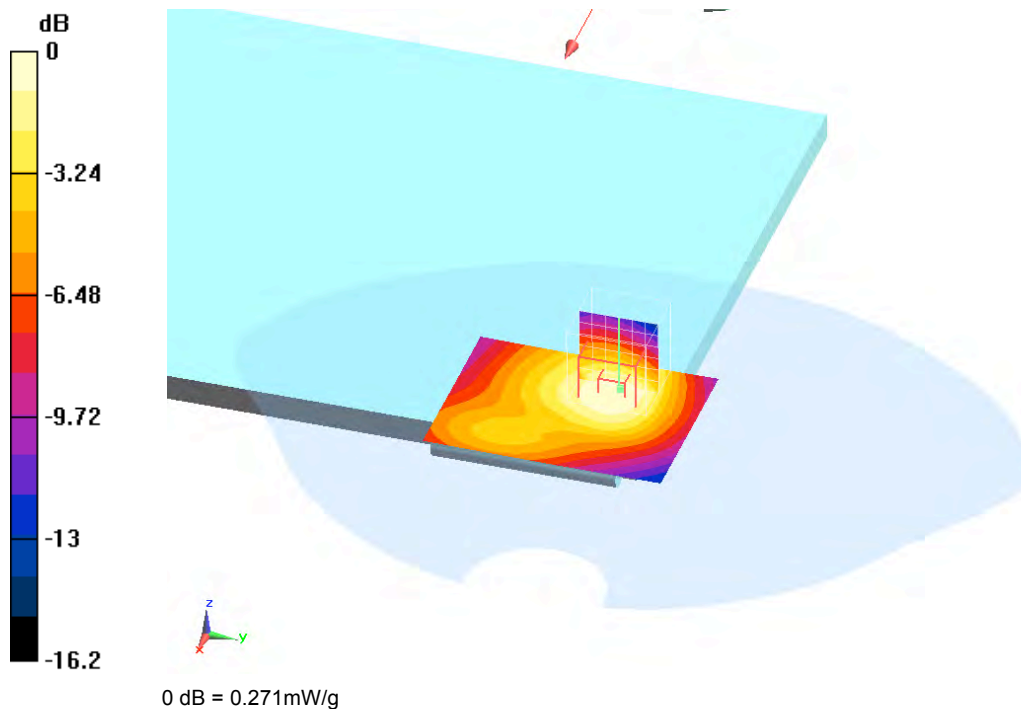
Laptop - Tablet Position - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.28 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.271 mW/g



Date/Time: 9/24/2009 4:03:10 PM Date/Time: 9/24/2009 4:13:16 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- 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 (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.347 mW/g

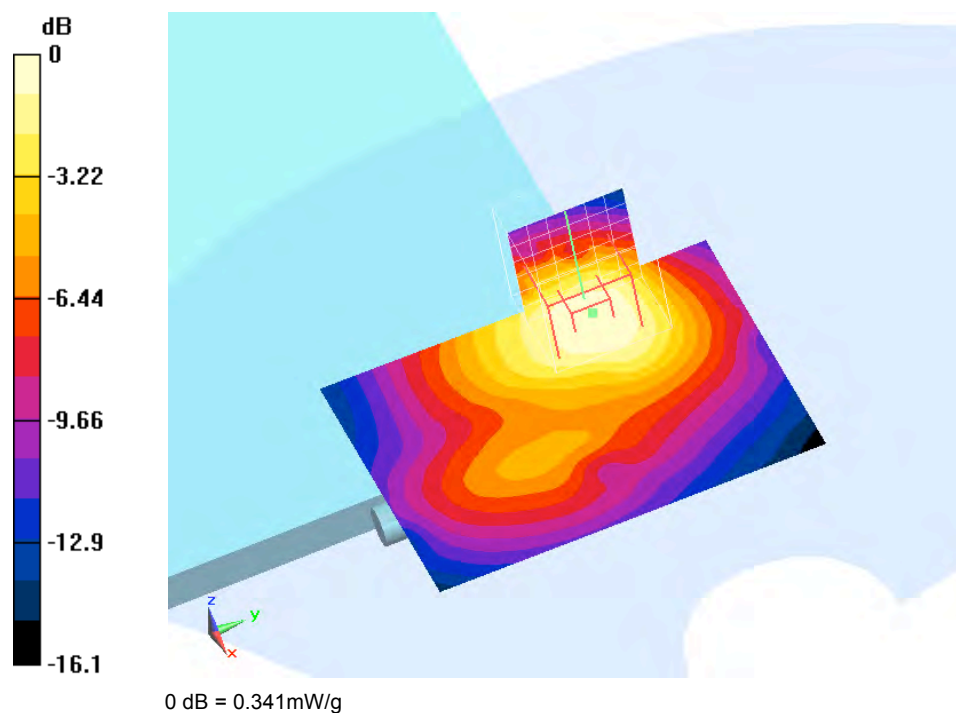
Laptop - Tablet Position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 0.341 mW/g



Date/Time: 9/24/2009 5:16:29 PM Date/Time: 9/24/2009 5:24:39 PM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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; $\sigma = 1.56$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- 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 (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.514 mW/g

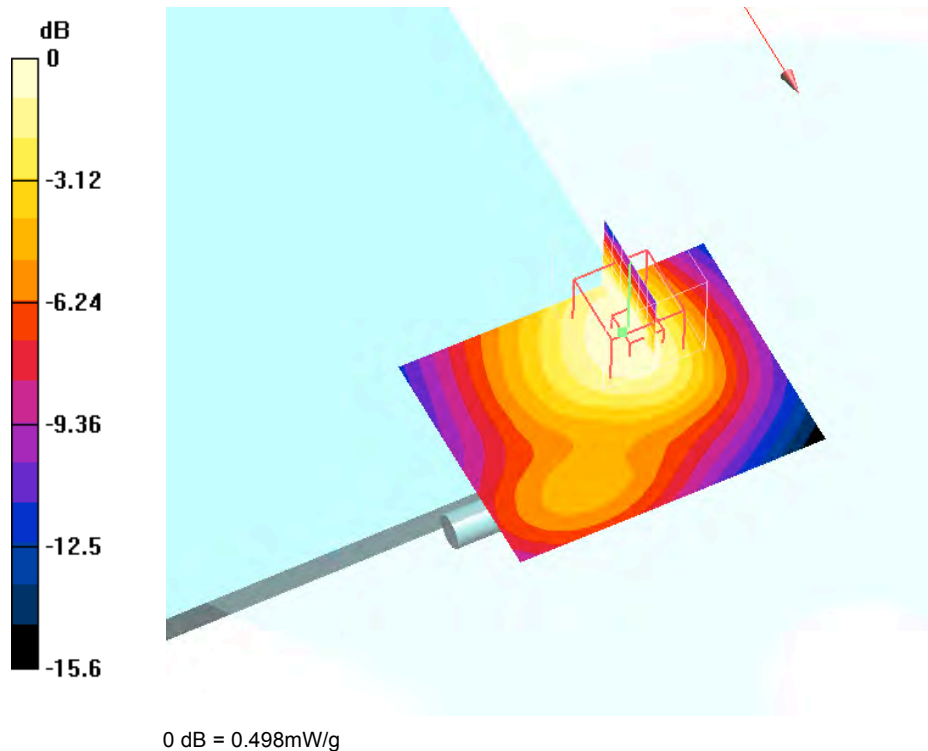
Laptop - Tablet Position - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -1.28 dB

Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.285 mW/g

Maximum value of SAR (measured) = 0.498 mW/g



13.2.3.2 Secondary portrait position

Date/Time: 9/25/2009 9:42:16 AM Date/Time: 9/25/2009 9:47:45 AM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- 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 (51x81x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.867 mW/g

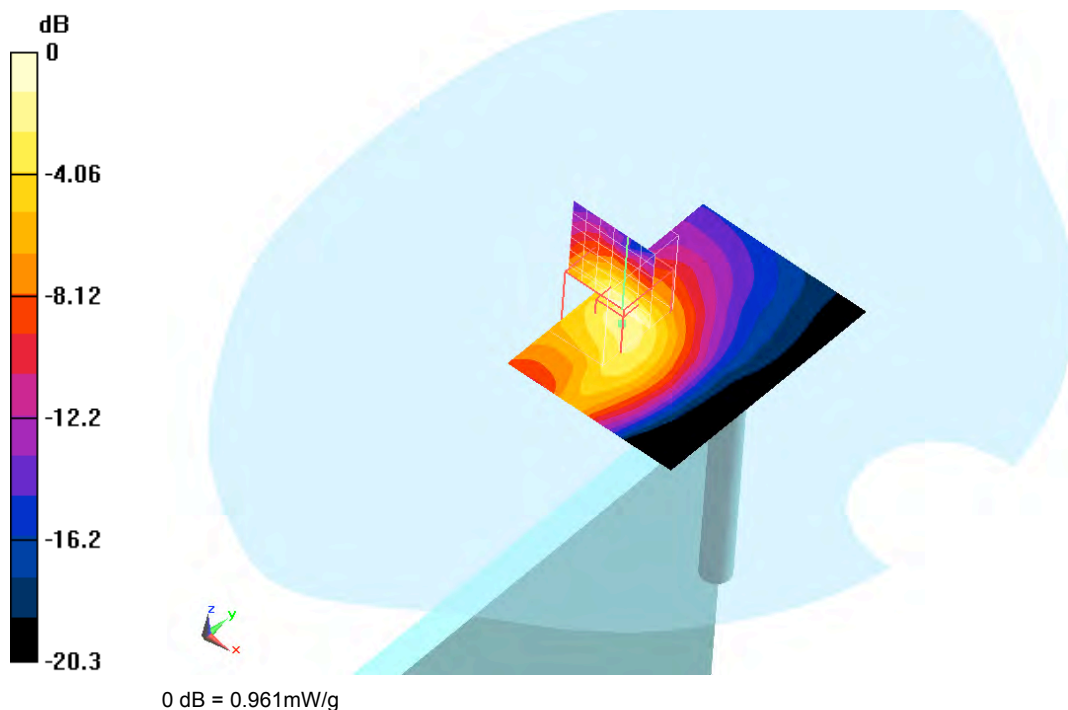
Laptop - Secondary Portrait - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.5 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.437 mW/g

Maximum value of SAR (measured) = 0.961 mW/g



Date/Time: 9/25/2009 10:01:54 AM Date/Time: 9/25/2009 10:11:48 AM

Test Laboratory: QUALCOMM Incorporated
File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- 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 (61x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.988 mW/g

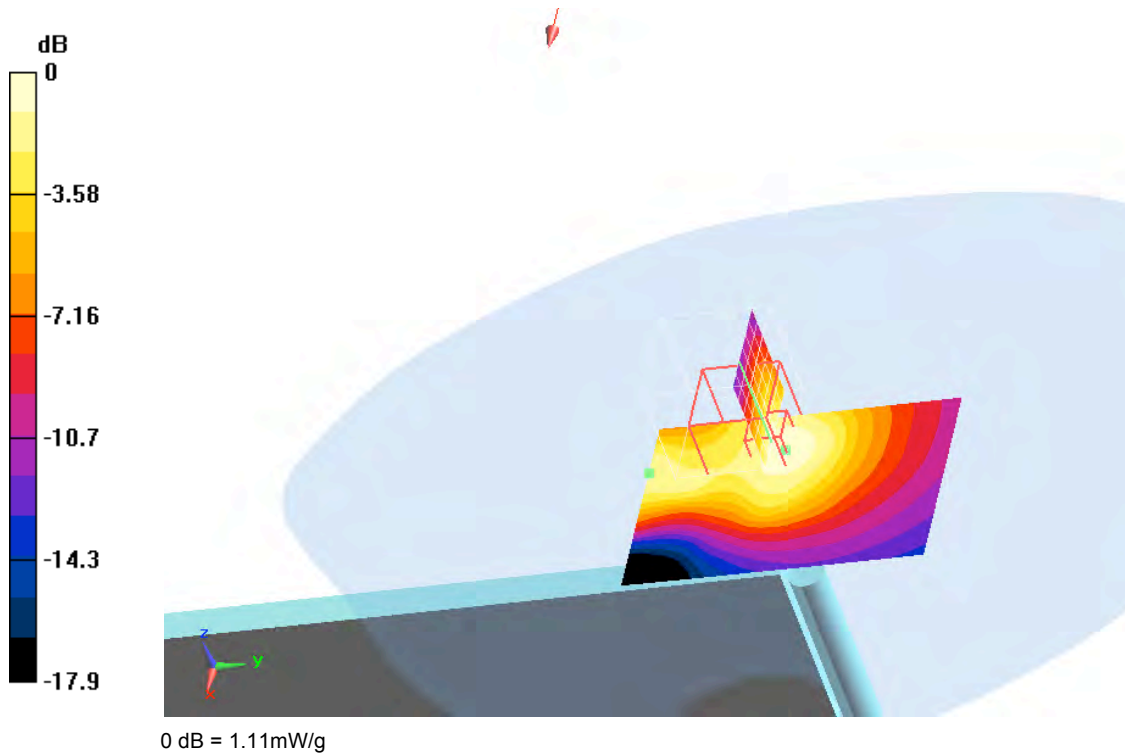
Laptop - Secondary Portrait- Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.1 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.942 mW/g; SAR(10 g) = 0.506 mW/g

Maximum value of SAR (measured) = 1.11 mW/g



Date/Time: 9/25/2009 10:40:55 AM Date/Time: 9/25/2009 10:46:25 AM

Test Laboratory: QUALCOMM Incorporated

File Name: (contact Qualcomm for file name)

DUT: TP00009A; Type: Laptop; Serial: WNC SAR1

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

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

Medium parameters used: $f = 1908.75 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ET3DV6 - SN1543; ConvF(4.33, 4.33, 4.33); Calibrated: 4/23/2009
- 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 (51x81x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (interpolated) = 0.826 mW/g

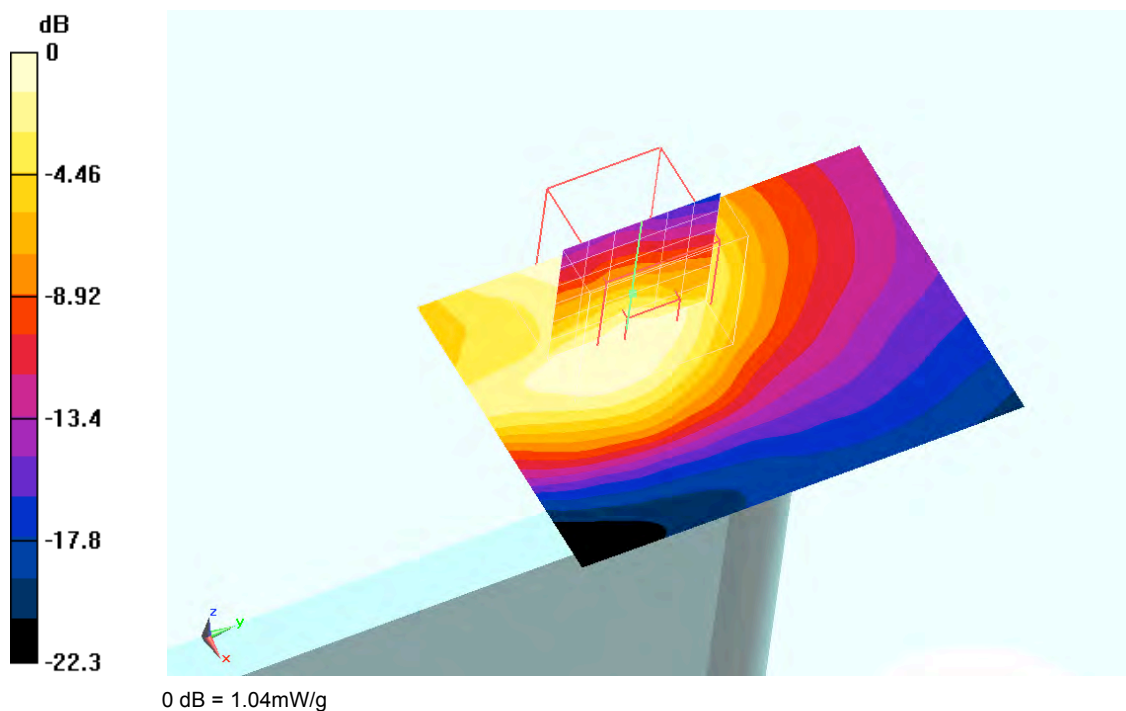
Laptop - Tablet Position - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.1 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.903 mW/g; SAR(10 g) = 0.440 mW/g

Maximum value of SAR (measured) = 1.04 mW/g



13.2.4 Wistron (WNC) PCS 1900 band Z-axis plot (worst-case scan)

