

Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

Appendix 2. Measurement Methods

A.2.1. Evaluation Procedure

The Specific Absorption Rate (SAR) evaluation was performed in the following manner:

- a) (i) The evaluation was performed in an applicable area of the phantom depending on the type of device being tested. For devices worn about the ear during normal operation, both the left and right ear positions were evaluated at the centre frequency of the band at maximum power. The side, which produced the greatest SAR, determined which side of the phantom would be used for the entire evaluation. The positioning of the head worn device relative to the phantom was dictated by the test specification identified in section 3.1 of this report.

(ii) For body worn devices or devices which can be operated within 20 cm of the body, the flat section of the SAM phantom was used where the size of the device(s) is normal. For bigger devices and base station the 2mm Oval phantom is used for evaluation. The type of device being evaluated dictated the distance of the EUT to the outer surface of the phantom flat section.
 - b) The SAR was determined by a pre-defined procedure within the DASY4 software. The exposed region of the phantom was scanned near the inner surface with a grid spacing of 20mm x 20mm or appropriate resolution.
 - c) A 5x5x7 at 2.45GHz and below and 7x7x9 at 5GHz matrix was performed around the greatest spatial SAR distribution found during the area scan of the applicable exposed region. SAR values were then calculated using a 3-D spline interpolation algorithm and averaged over spatial volumes of 1 and 10 grams.
 - d) If the EUT had any appreciable drift over the course of the evaluation, then the EUT was re-evaluated. Any unusual anomalies over the course of the test also warranted a re-evaluation.
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Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

A.2.2. Specific Absorption Rate (SAR) Measurements to OET Bulletin 65 Supplement C: (2001-01)

Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields

SAR measurements were performed in accordance with Appendix D of the standard FCC OET Bulletin 65 Supplement C: 2001, against appropriate limits for each measurement position in accordance with the standard.

The test was performed in a shielded enclosure with the temperature controlled to remain between +18.0°C and +25.0°C. The tissue equivalent material fluid temperature was controlled to give a maximum variation of $\pm 2.0^\circ\text{C}$

Prior to any SAR measurements on the EUT, system validation and material dielectric property measurements were conducted. In the absence of a detailed procedure within the specification, system validation and material dielectric property measurements were performed in accordance with Appendix C and Appendix D of FCC OET Bulletin 65 Supplement C: 2001.

Following the successful system validation and material dielectric property measurements, a SAR versus time sweep shall be performed within 10 mm of the phantom inner surface. If the EUT power output is stable after three minutes then the measurement probe will perform a coarse surface level scan at each test position in order to ascertain the location of the maximum local SAR level. Once this area had been established, a 5x5x7 cube of 175 points at below 2.45GHz and 7x7x9 cube of 441 points (5 mm spacing in each axis $\approx 27\text{g}$) will be centred at the area of concern. Extrapolation and interpolation will then be carried out on the 27g of tissue and the highest averaged SAR over a 10g cube determined.

Once the maximum interpolated SAR measurement is complete; the coarse scan is visually assessed to check for secondary peaks within 50% of the maximum SAR level. If there are any further SAR measurements required, extra 5x5x7 / 7x7x9 cubes shall be centred on each of these extra local SAR maxima.

At the end of each position test case a second time sweep shall be performed to check whether the EUT has remained stable throughout the test.

Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

Appendix 3. SAR Distribution Scans

This appendix contains SAR distribution scans which are not included in the total number of pages for this report.

Scan Reference Number	Title
SCN/74349JD01/001	Base of EUT Facing Phantom GPRS CH189
SCN/74349JD01/002	Base of EUT Facing Phantom EGPRS CH189
SCN/74349JD01/003	Base of EUT Facing Phantom GPRS CH660
SCN/74349JD01/004	Base of EUT Facing Phantom EGPRS CH660
SCN/74349JD01/005	Base of EUT Facing Phantom UMTS FDD V CH4183
SCN/74349JD01/006	Base of EUT Facing Phantom UMTS FDD V + HSDPA CH4183
SCN/74349JD01/007	Base of EUT Facing Phantom UMTS FDD V + HSPA CH4183
SCN/74349JD01/008	Base of EUT Facing Phantom UMTS FDD II + HSPA CH9400
SCN/74349JD01/009	Base of EUT Facing Phantom UMTS FDD II + HSDPA CH9400
SCN/74349JD01/010	Base of EUT Facing Phantom UMTS FDD II CH9400
SCN/74349JD01/011	Base of EUT Facing Phantom WiFi 802_11b CH6 Dell 1510
SCN/74349JD01/012	Base of EUT Facing Phantom WiFi 802_11n MIMO 20MHz Channel CH6 Dell 1510
SCN/74349JD01/013	Base of EUT Facing Phantom WiFi 802_11n MIMO 40MHz Channel CH6 Dell 1510
SCN/74349JD01/014	Base of EUT Facing Phantom WiFi 802_11b CH6 Dell 1397
SCN/74349JD01/015	Base of EUT Facing Phantom WiFi 802_11a CH157 Dell 1510
SCN/74349JD01/016	Base of EUT Facing Phantom WiFi 802_11n MIMO 20MHz Channel CH157 Dell 1510
SCN/74349JD01/017	Base of EUT Facing Phantom WiFi 802_11n MIMO 40MHz Channel CH159 Dell 1510
SCN/74349JD01/018	System Performance Check 900MHz Body 08 12 08
SCN/74349JD01/019	System Performance Check 900MHz Body 19 12 08
SCN/74349JD01/020	System Performance Check 1900MHz Body 14 12 08
SCN/74349JD01/021	System Performance Check 1900MHz Body 18 12 08
SCN/74349JD01/022	System Performance Check 2450MHz Body 07 01 09
SCN/74349JD01/023	System Performance Check 5800MHz Body 08 01 09
SCN/74349JD01/024	System Performance Check 5800MHz Body 09 01 09

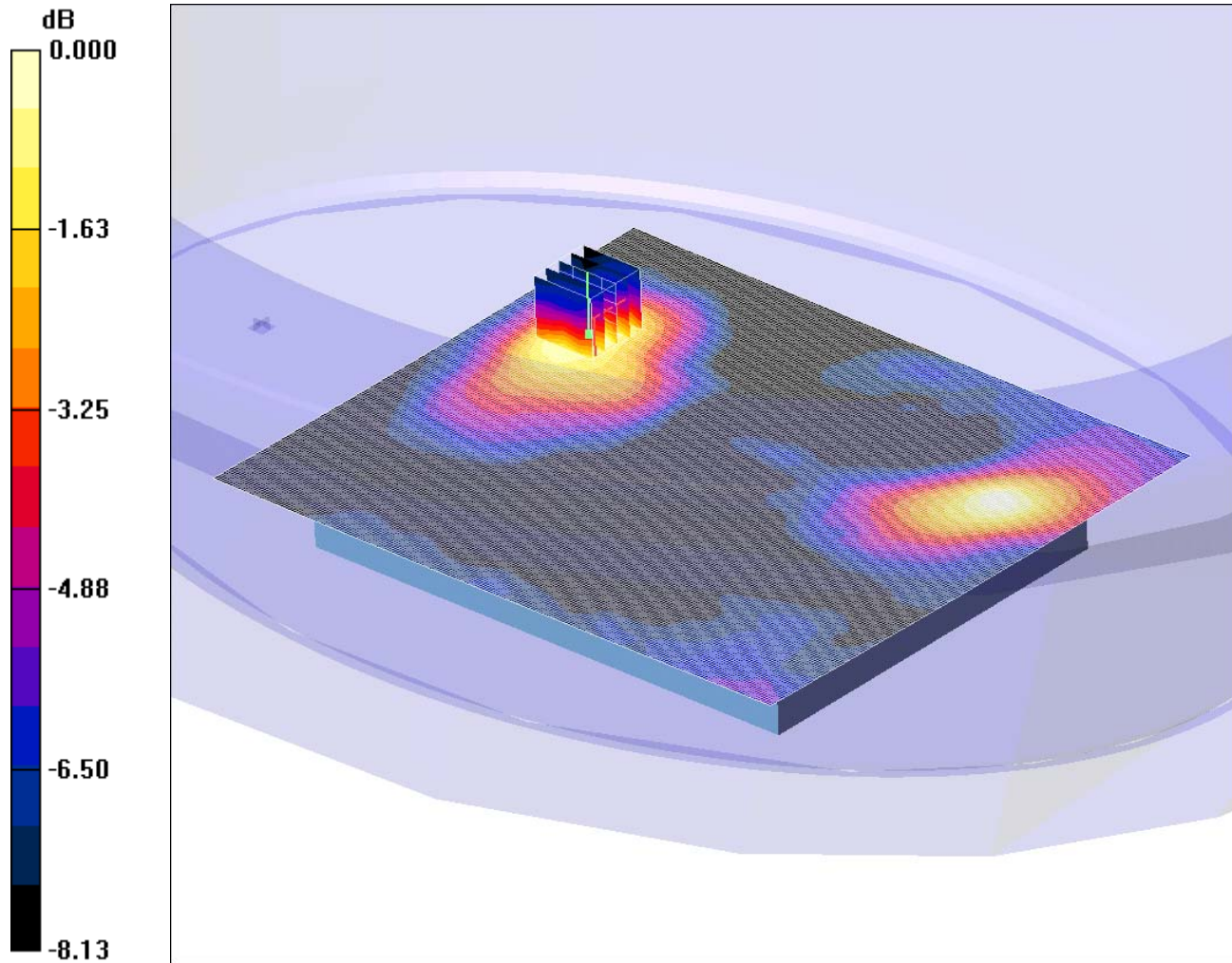
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/001: Base of EUT Facing Phantom GPRS CH189

Date: 08/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.041mW/g

Communication System: GPRS 850 MHz; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.21, 10.21, 10.21); Calibrated: 24/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

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

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.38 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.062 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.041 mW/g

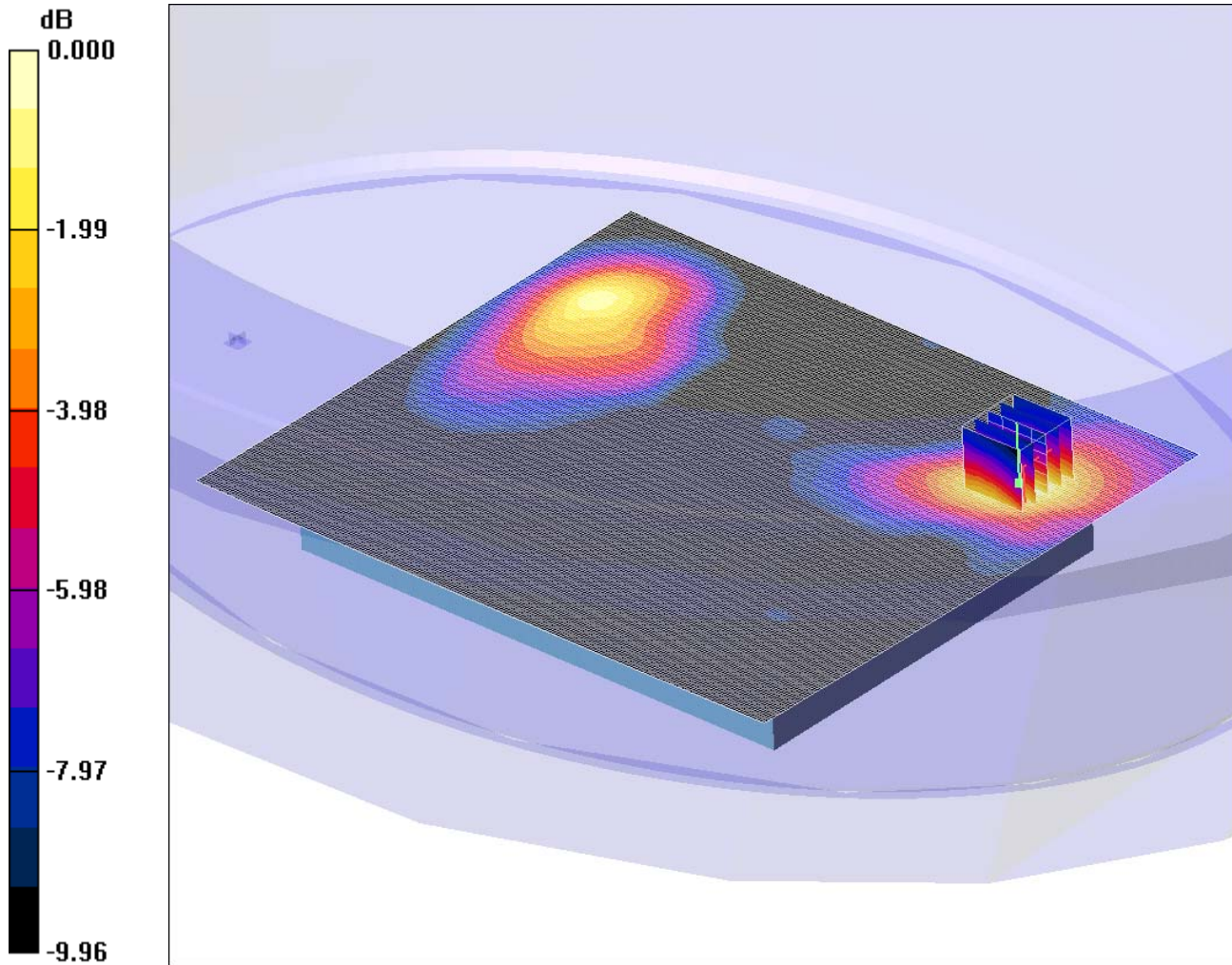
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/002: Base of EUT Facing Phantom EGPRS CH189

Date: 08/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.112mW/g

Communication System: EGPRS 850 MHz; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.21, 10.21, 10.21); Calibrated: 24/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.113 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.44 V/m; Power Drift = -0.176 dB

Peak SAR (extrapolated) = 0.159 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR (measured) = 0.112 mW/g

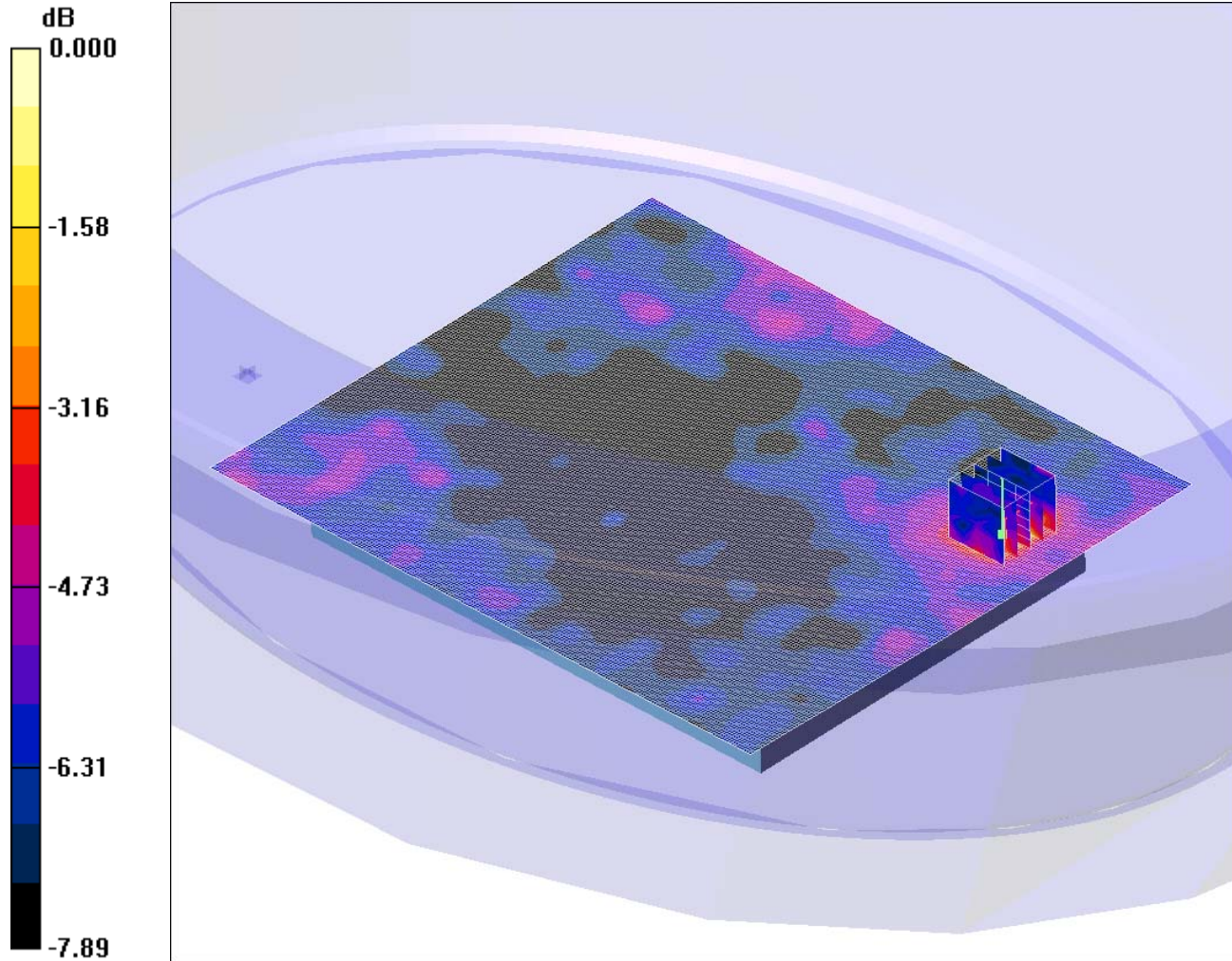
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/003: Base of EUT Facing Phantom GPRS CH660

Date: 14/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.034mW/g

Communication System: GPRS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.29, 8.29, 8.29); Calibrated: 24/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle 2/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

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

Base of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.91 V/m; Power Drift = 0.412 dB

Peak SAR (extrapolated) = 0.056 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.017 mW/g

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

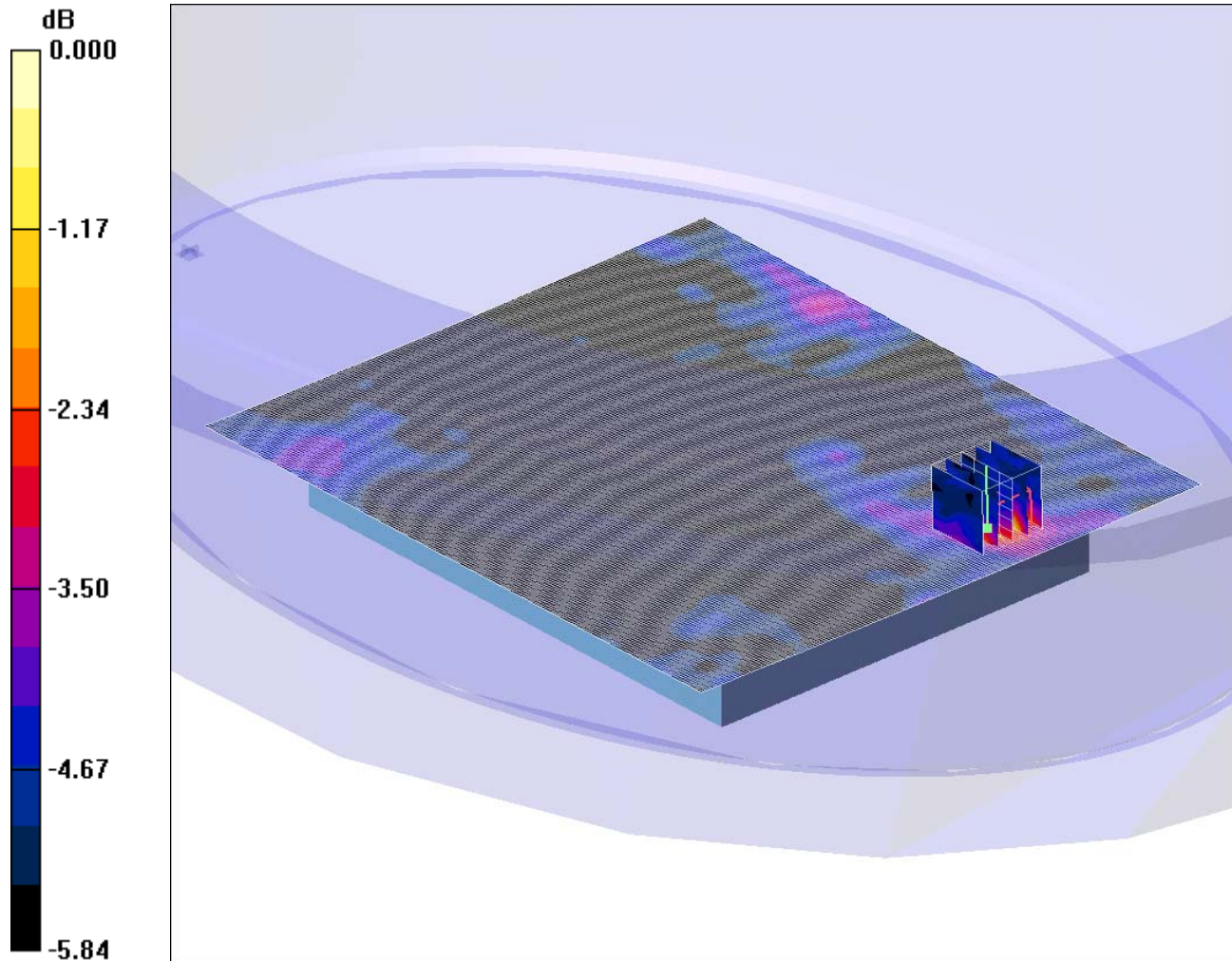
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/004: Base of EUT Facing Phantom EGPRS CH660

Date: 14/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.039mW/g

Communication System: EGPRS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.29, 8.29, 8.29); Calibrated: 24/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.035 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.14 V/m; Power Drift = 0.504 dB (power drift > 5% as SAR value is close to noise floor)

Peak SAR (extrapolated) = 0.064 W/kg

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

Maximum value of SAR (measured) = 0.039 mW/g

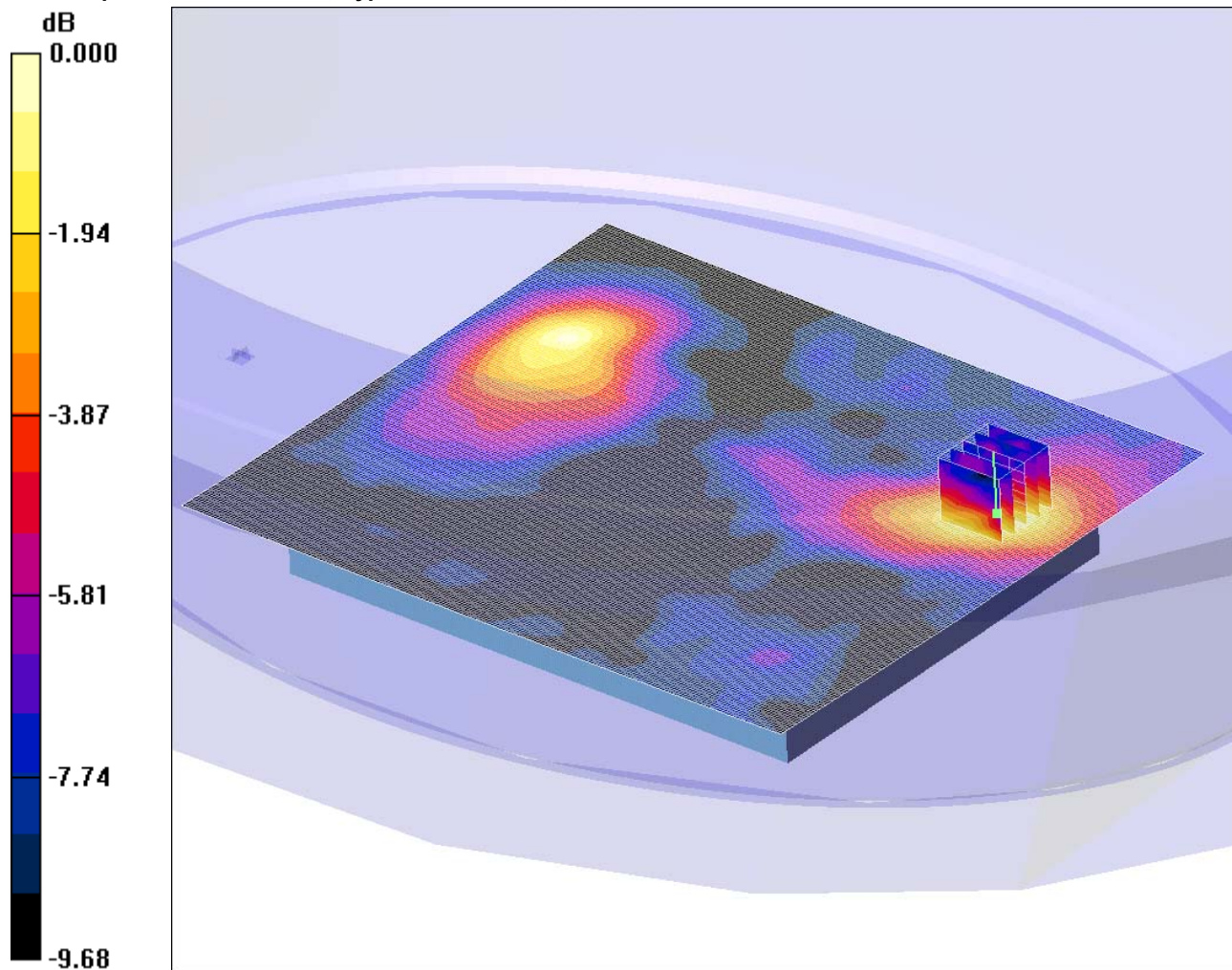
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/005: Base of EUT Facing Phantom UMTS FDD V CH4183

Date: 19/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.036mW/g

Communication System: UMTS-FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(5.79, 5.79, 5.79); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.035 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.89 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.023 mW/g

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

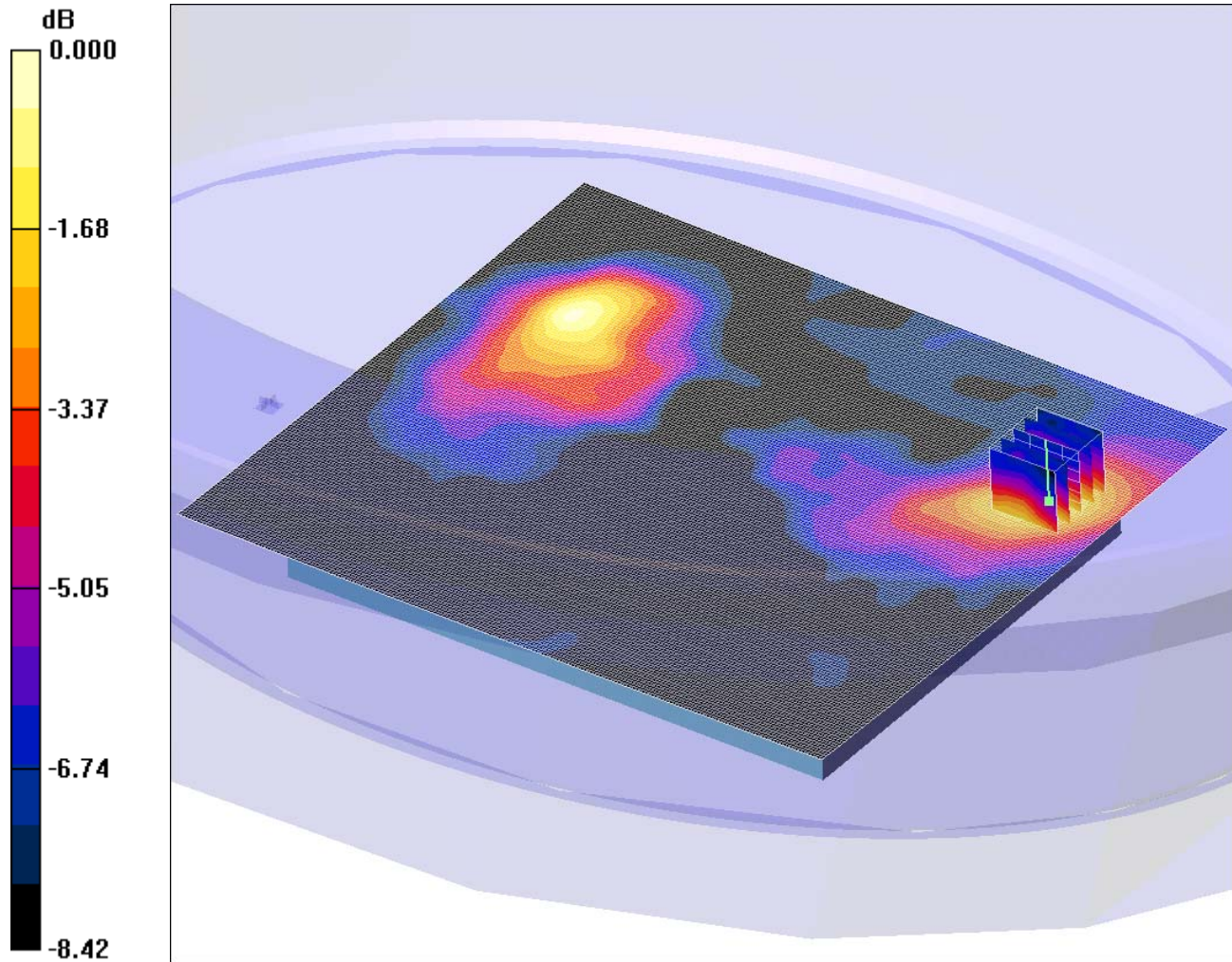
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/006: Base of EUT Facing Phantom UMTS FDD V + HSDPA CH4183

Date: 19/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.031mW/g

Communication System: UMTS-FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(5.79, 5.79, 5.79); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.030 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.08 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.043 W/kg

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.031 mW/g

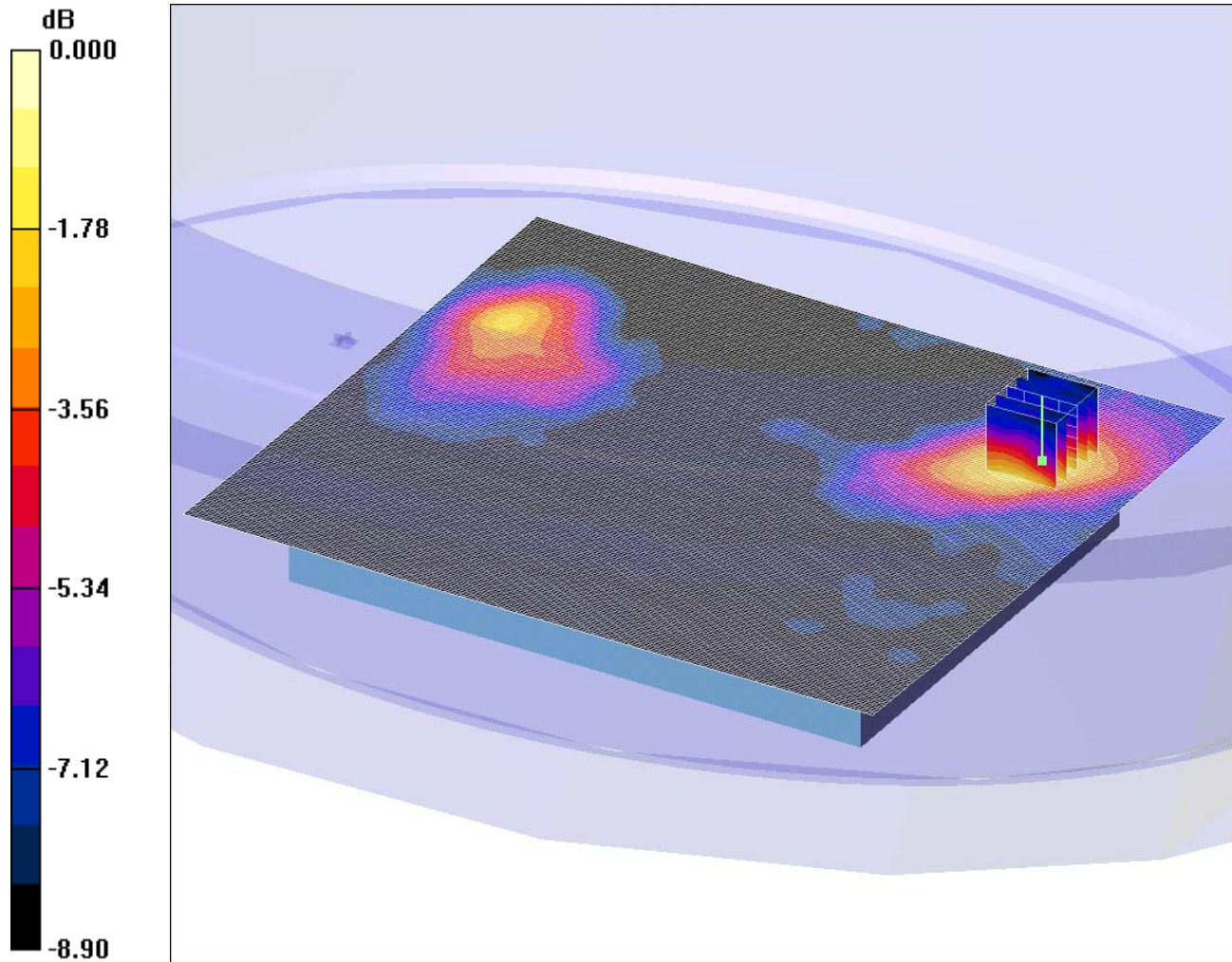
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/007: Base of EUT Facing Phantom UMTS FDD V + HSPA CH4183

Date: 19/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.039mW/g

Communication System: UMTS-FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(5.79, 5.79, 5.79); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.039 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.76 V/m; Power Drift = 0.400 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) = 0.039 mW/g

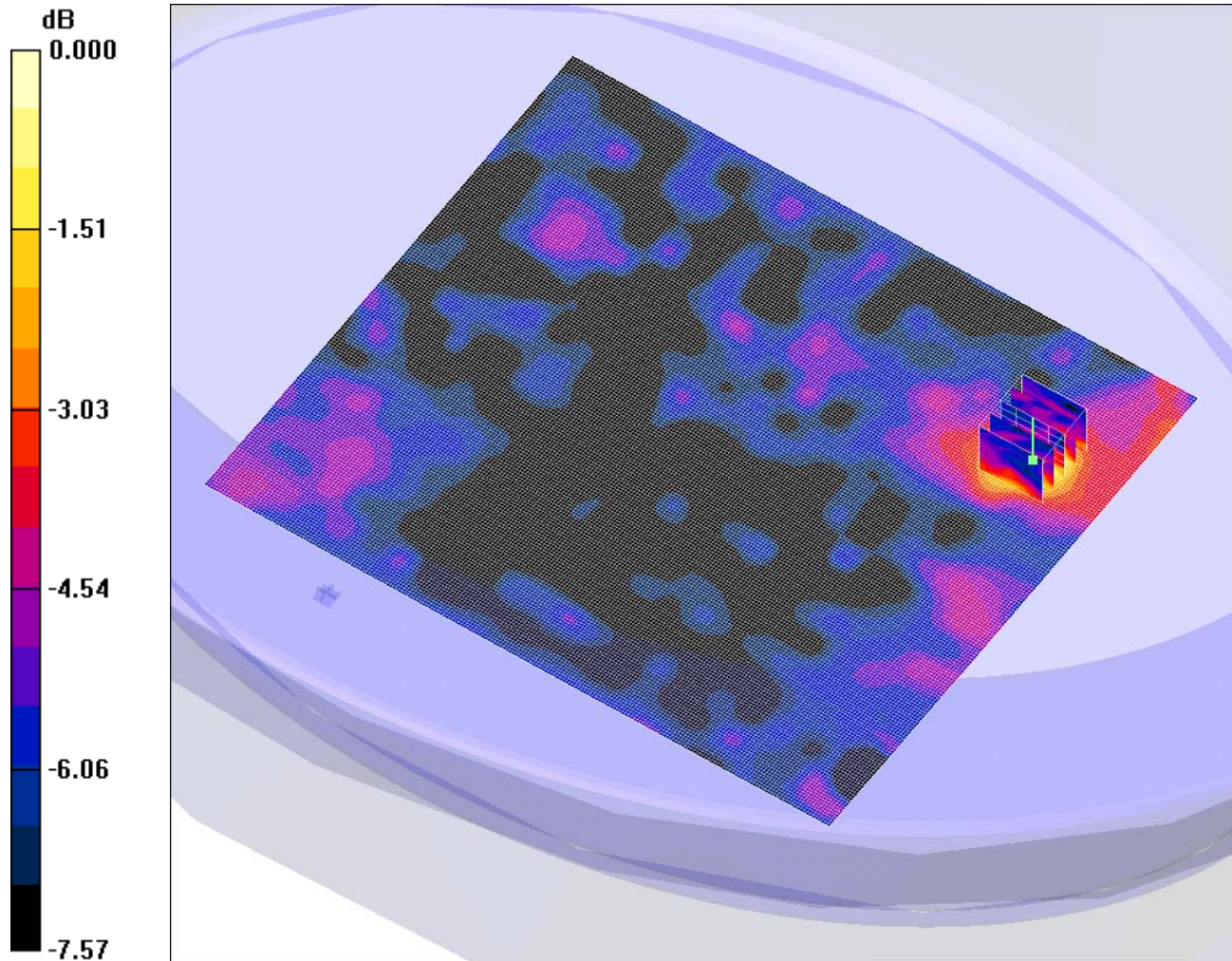
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/008: Base of EUT Facing Phantom UMTS FDD II + HSPA CH9400

Date: 18/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.033mW/g

Communication System: WCDMA; Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used: $f = 1950$ MHz; $\sigma = 1.61$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(4.66, 4.66, 4.66); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.031 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.34 V/m; Power Drift = -0.665 dB (power drift < 5% as SAR value is close to noise floor)

Peak SAR (extrapolated) = 0.048 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.033 mW/g

Test of: Dell Inspiron 1010 Netbook PC

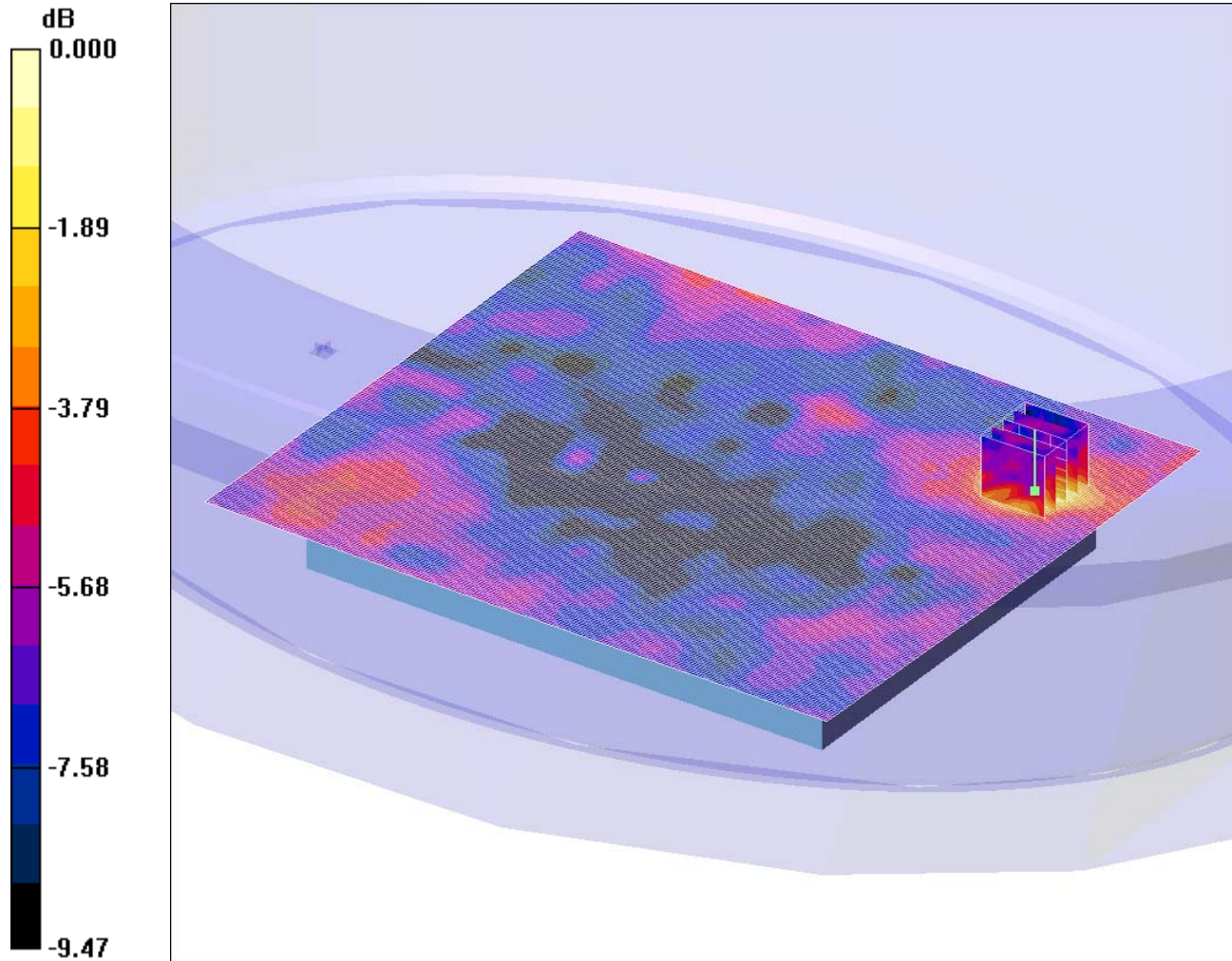
To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/009: Base of EUT Facing Phantom UMTS FDD II + HSDPA CH9400

Date: 18/12/2008

016 Base of EUT Facing Phantom UMTS FDD II + HSDPA CH9400

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.037mW/g

Communication System: WCDMA; Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used: $f = 1950$ MHz; $\sigma = 1.61$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(4.66, 4.66, 4.66); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

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

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.67 V/m; Power Drift = 0.312 dB

Peak SAR (extrapolated) = 0.055 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.022 mW/g

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

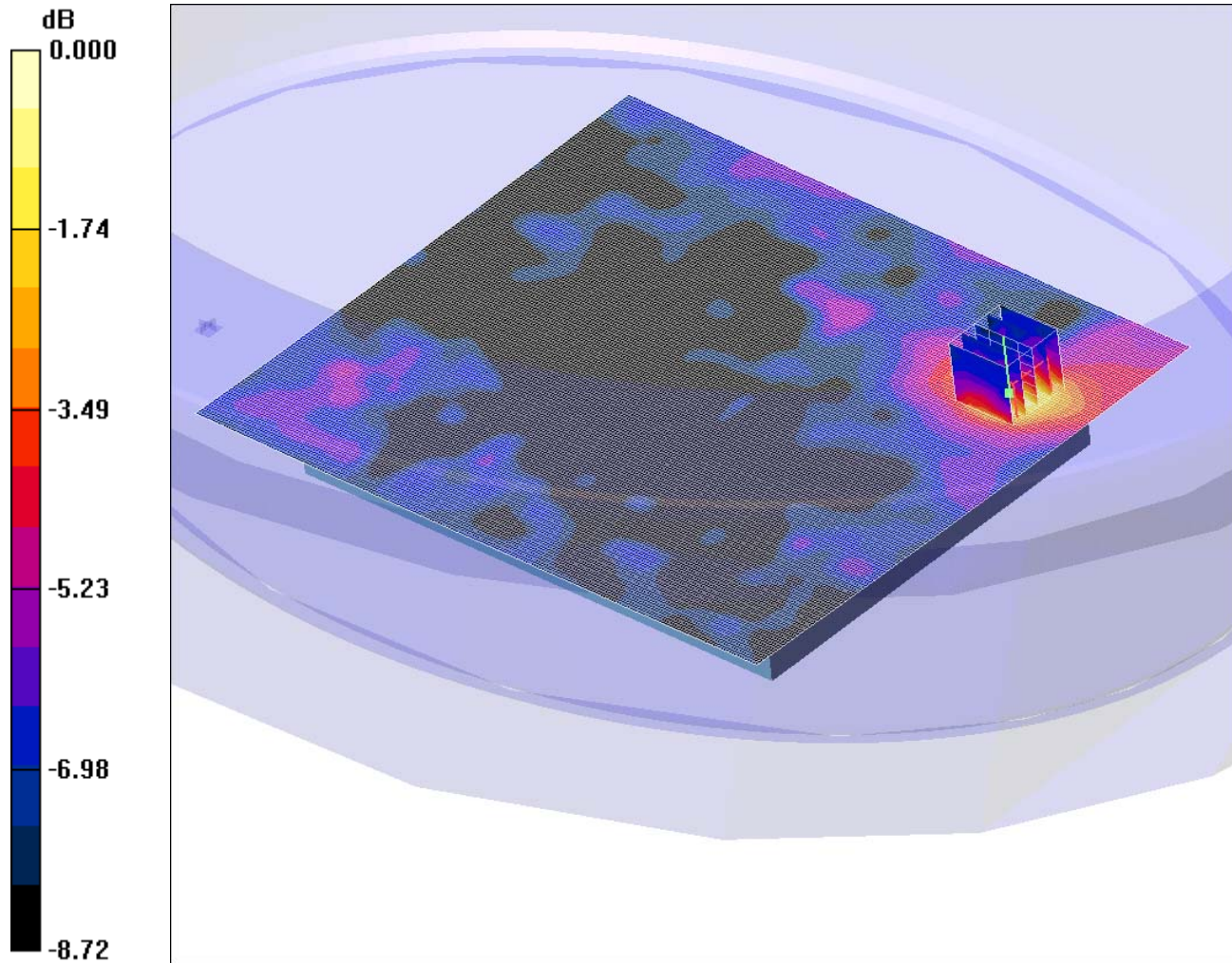
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/010: Base of EUT Facing Phantom UMTS FDD II CH9400

Date: 18/12/2008

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.044mW/g

Communication System: WCDMA; Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used: $f = 1950$ MHz; $\sigma = 1.61$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(4.66, 4.66, 4.66); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.044 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.72 V/m; Power Drift = 0.324 dB

Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.044 mW/g

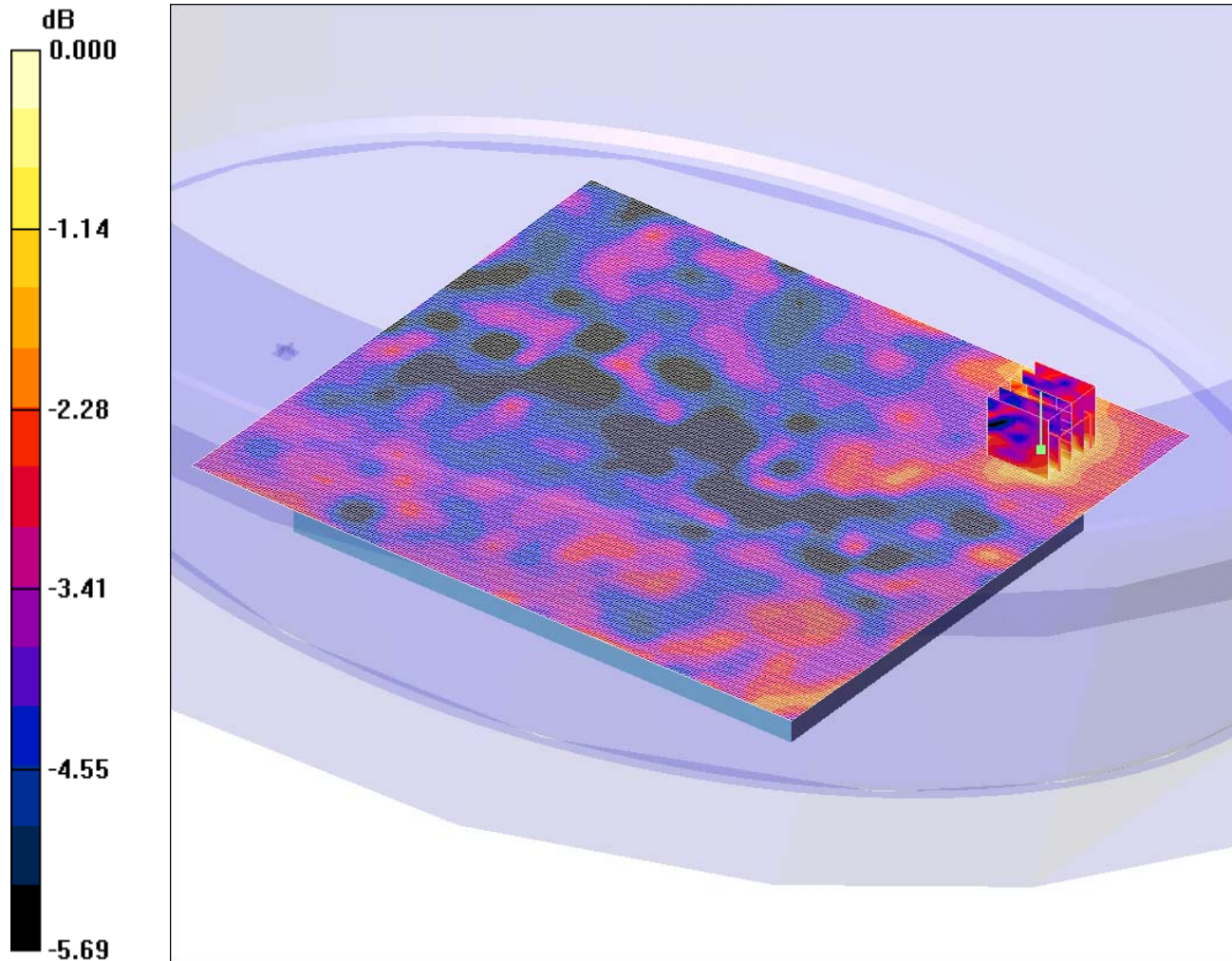
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/011: Base of EUT Facing Phantom WiFi 802_11b CH6 Dell 1510

Date: 07/01/2009

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.025mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(4.05, 4.05, 4.05); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

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

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.88 V/m; Power Drift = -0.492 dB (power drift < -5% as SAR value is close to noise floor)

Peak SAR (extrapolated) = 0.037 W/kg

SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.017 mW/g

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

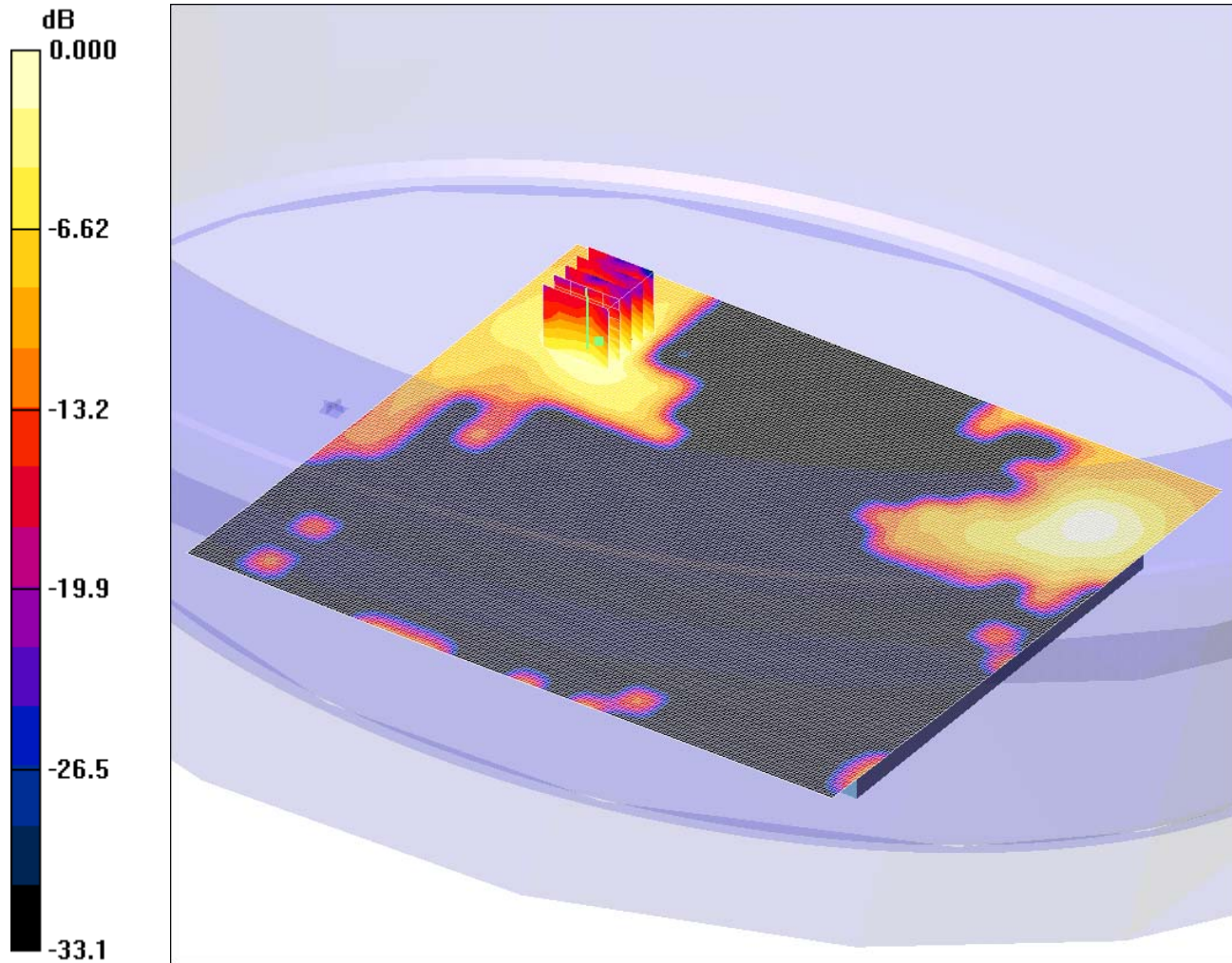
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/012: Base of EUT Facing Phantom WiFi 802_11n MIMO 20MHz Channel CH6 Dell 1510

Date: 07/01/2009

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.037mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(4.05, 4.05, 4.05); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.039 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.00 V/m; Power Drift = 0.859 dB (power drift > 5% as SAR value is close to noise floor)

Peak SAR (extrapolated) = 0.055 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.017 mW/g

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

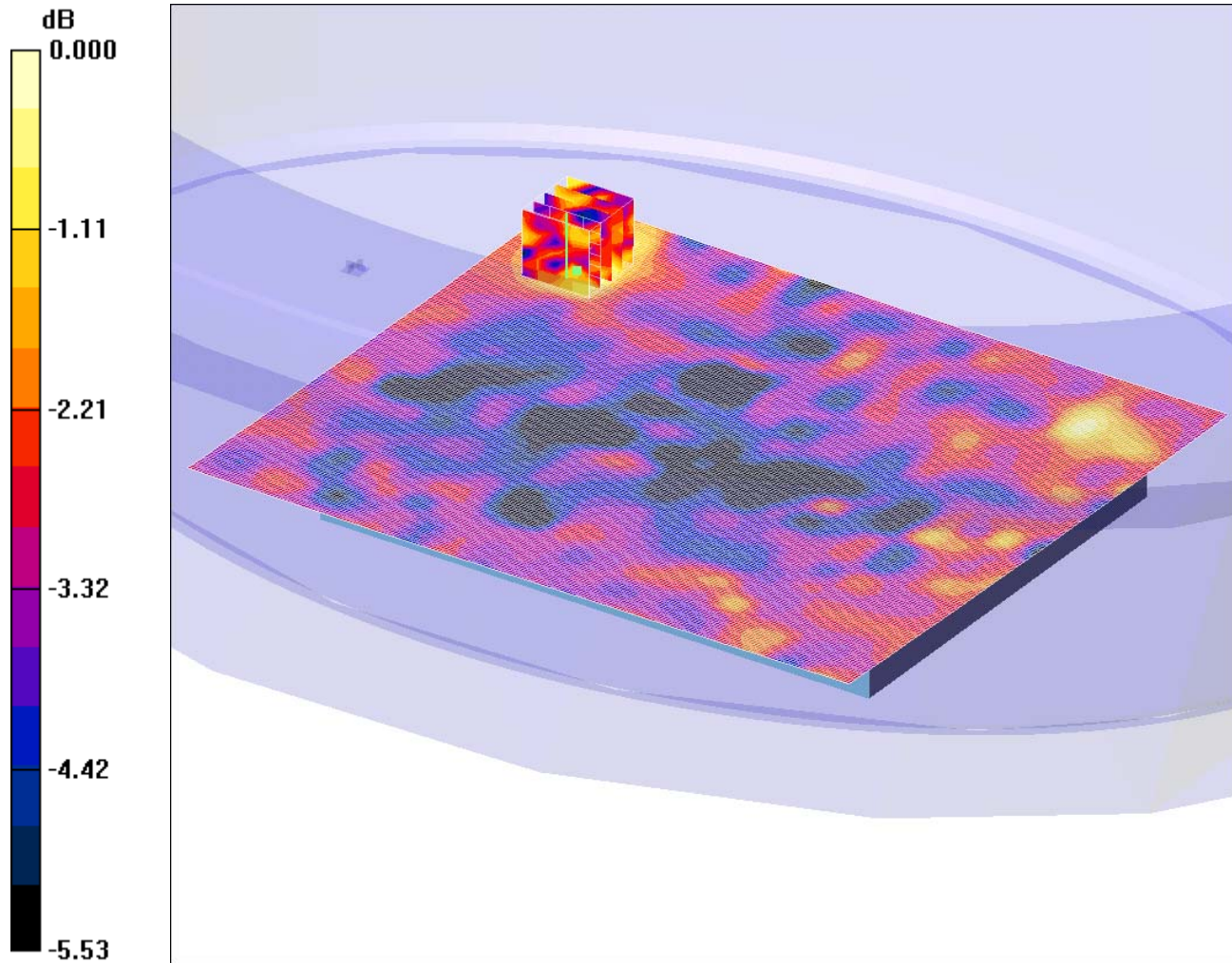
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/013: Base of EUT Facing Phantom WiFi 802_11n MIMO 40MHz Channel CH6 Dell 1510

Date: 07/01/2009

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.021mW/g

Communication System: WLAN; Frequency: 2422 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2422$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(4.05, 4.05, 4.05); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

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

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.72 V/m; Power Drift = 2.15 dB (power drift > 5% as SAR value is close to noise floor)

Peak SAR (extrapolated) = 0.033 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.015 mW/g

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

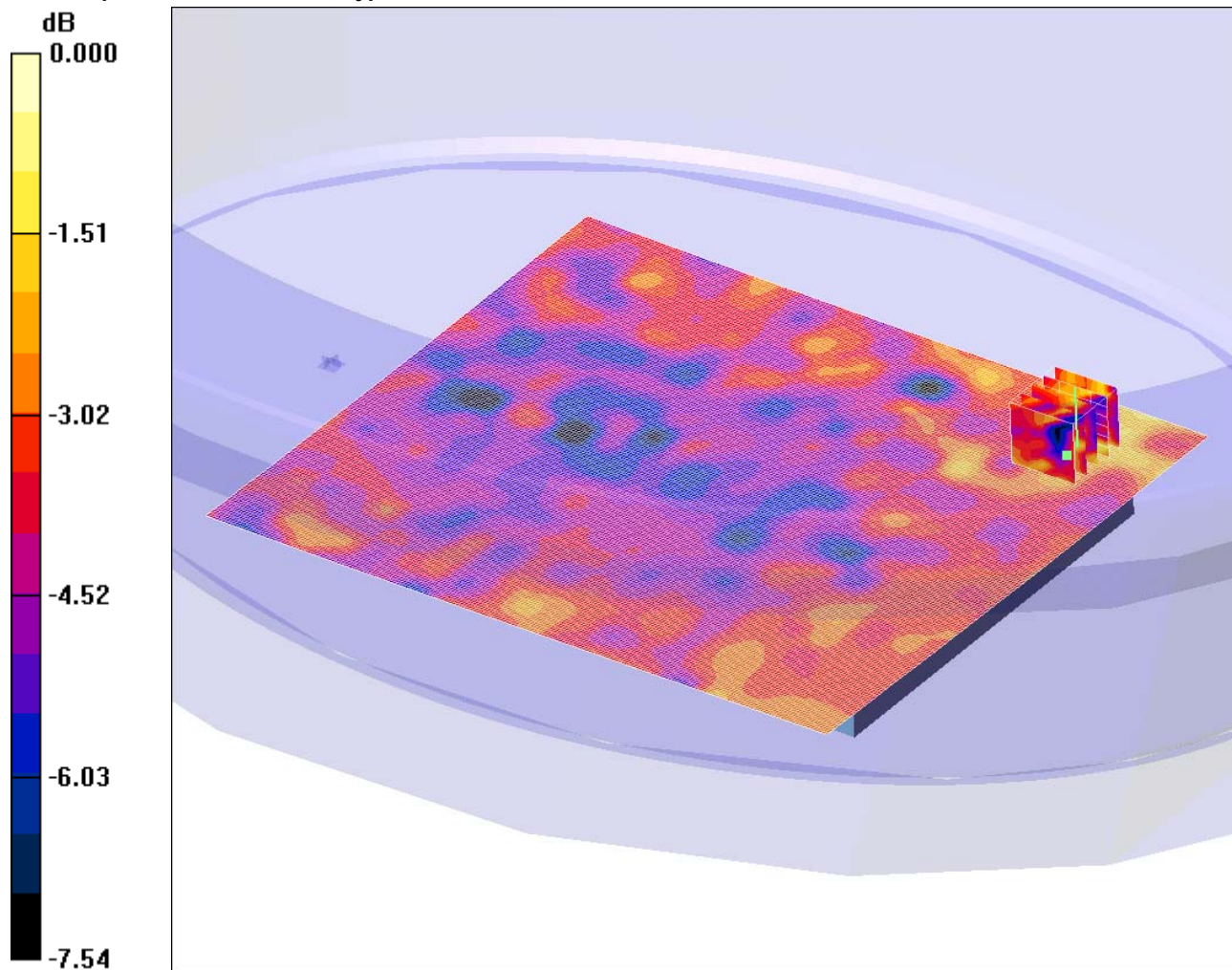
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/014: Base of EUT Facing Phantom WiFi 802_11b CH6 Dell 1397

Date: 07/01/2009

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.025mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(4.05, 4.05, 4.05); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

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

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.31 V/m; Power Drift = -0.847 dB (power drift < -5% as SAR value is close to noise floor)

Peak SAR (extrapolated) = 0.060 W/kg

SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.016 mW/g

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

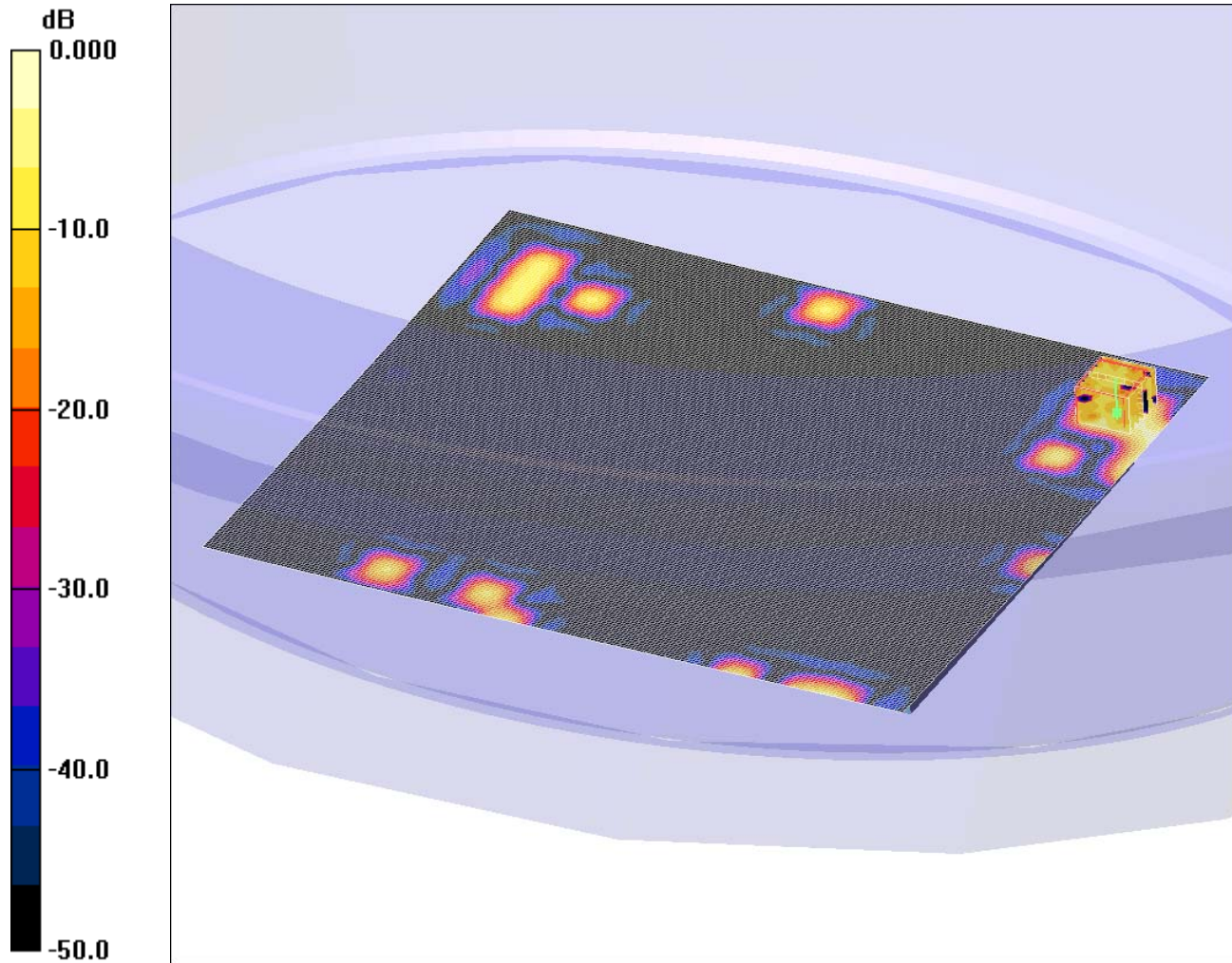
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/015: Base of EUT Facing Phantom WiFi 802_11a CH157 Dell 1510

Date: 08/01/2009

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.106mW/g

Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.21$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3646; ConvF(3.81, 3.81, 3.81); Calibrated: 19/09/2008

- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.108 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (7x7x9) 1 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=2.5mm

Reference Value = 5.95 V/m; Power Drift = 0.429 dB (power drift > 5% as SAR value is close to noise floor)

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.106 mW/g

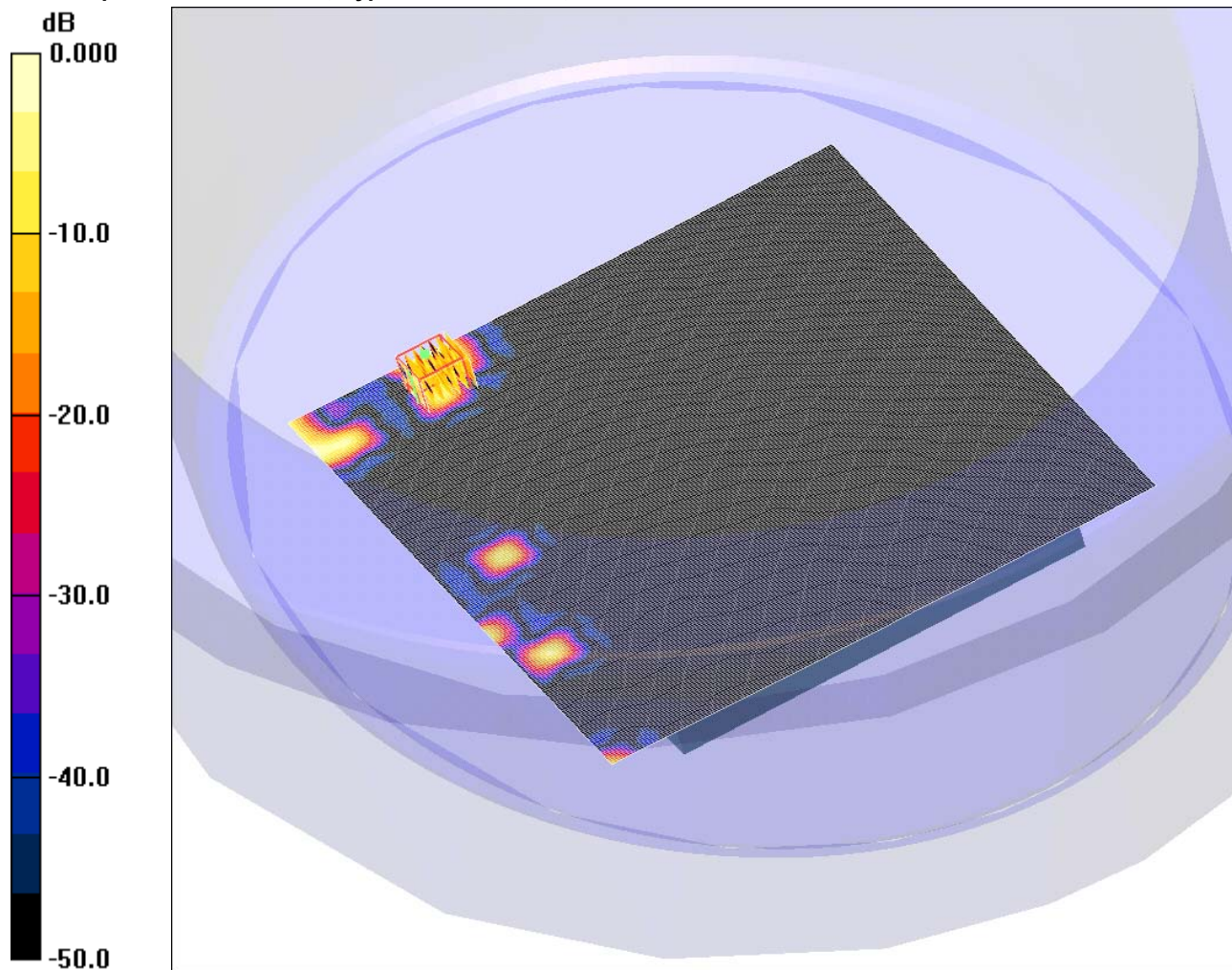
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/016: Base of EUT Facing Phantom WiFi 802_11n MIMO 20MHz Channel CH157 Dell 1510

Date: 08/01/2009

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.090mW/g

Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.21$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3646; ConvF(3.81, 3.81, 3.81); Calibrated: 19/09/2008

- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm

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

Base of EUT Facing Phantom - Middle/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.44 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.090 mW/g

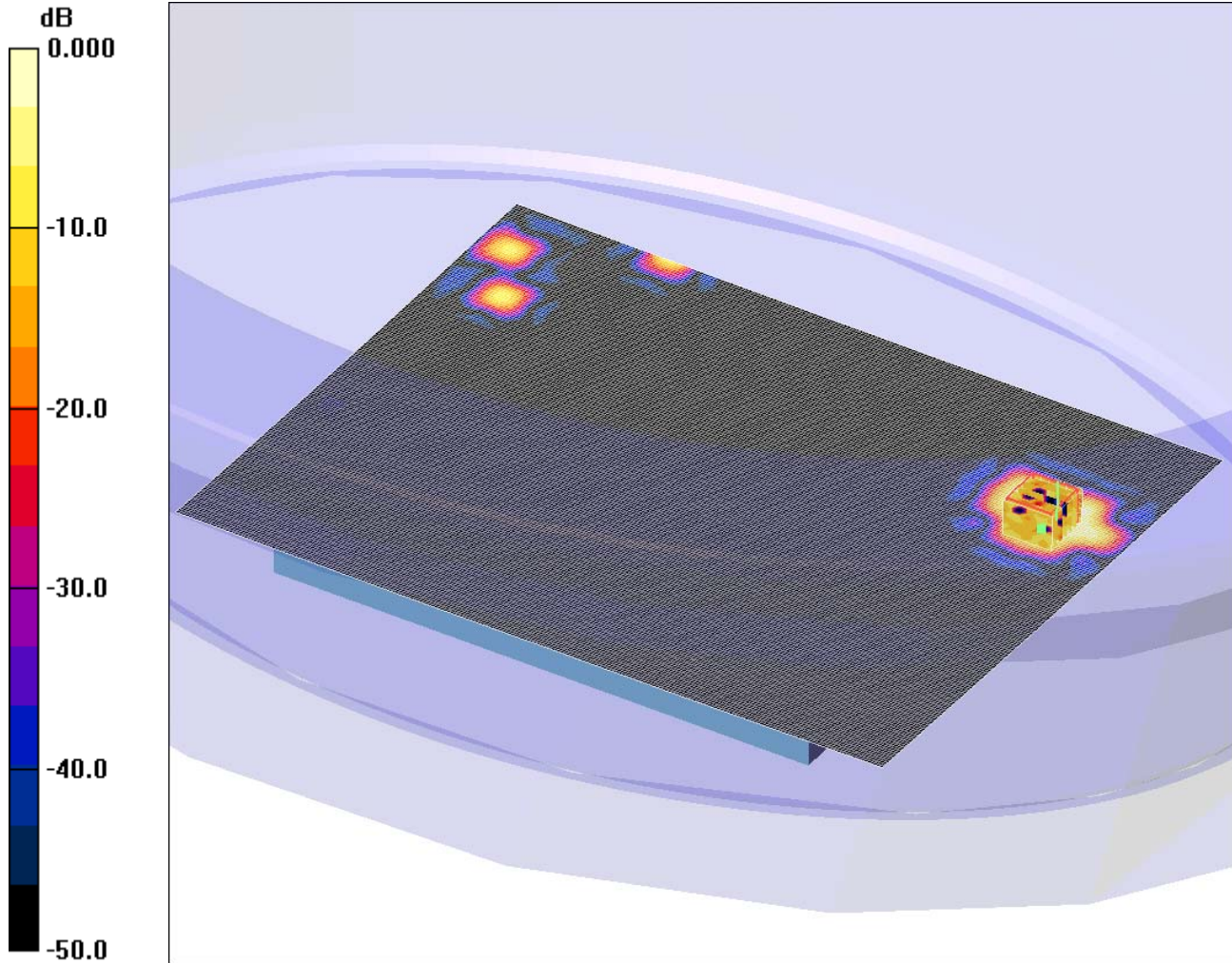
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/017: Base of EUT Facing Phantom WiFi 802_11n MIMO 40MHz Channel CH157 Dell 1510

Date: 09/01/2009

DUT: Dell Inspiron 1010TIG-E2-C3; Type: D-1010-32-477; Serial: D-1010-32-477



0 dB = 0.096mW/g

Communication System: WLAN; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.23$ mho/m; $\epsilon_r = 48.3$; $\rho = 1000$ kg/m³

Phantom section: basin Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3646; ConvF(3.81, 3.81, 3.81); Calibrated: 19/09/2008

- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: basin; Type: 3mm; Serial: **Not Specified**

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan 2 (181x231x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.104 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.10 V/m; Power Drift = 0.238 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.096 mW/g

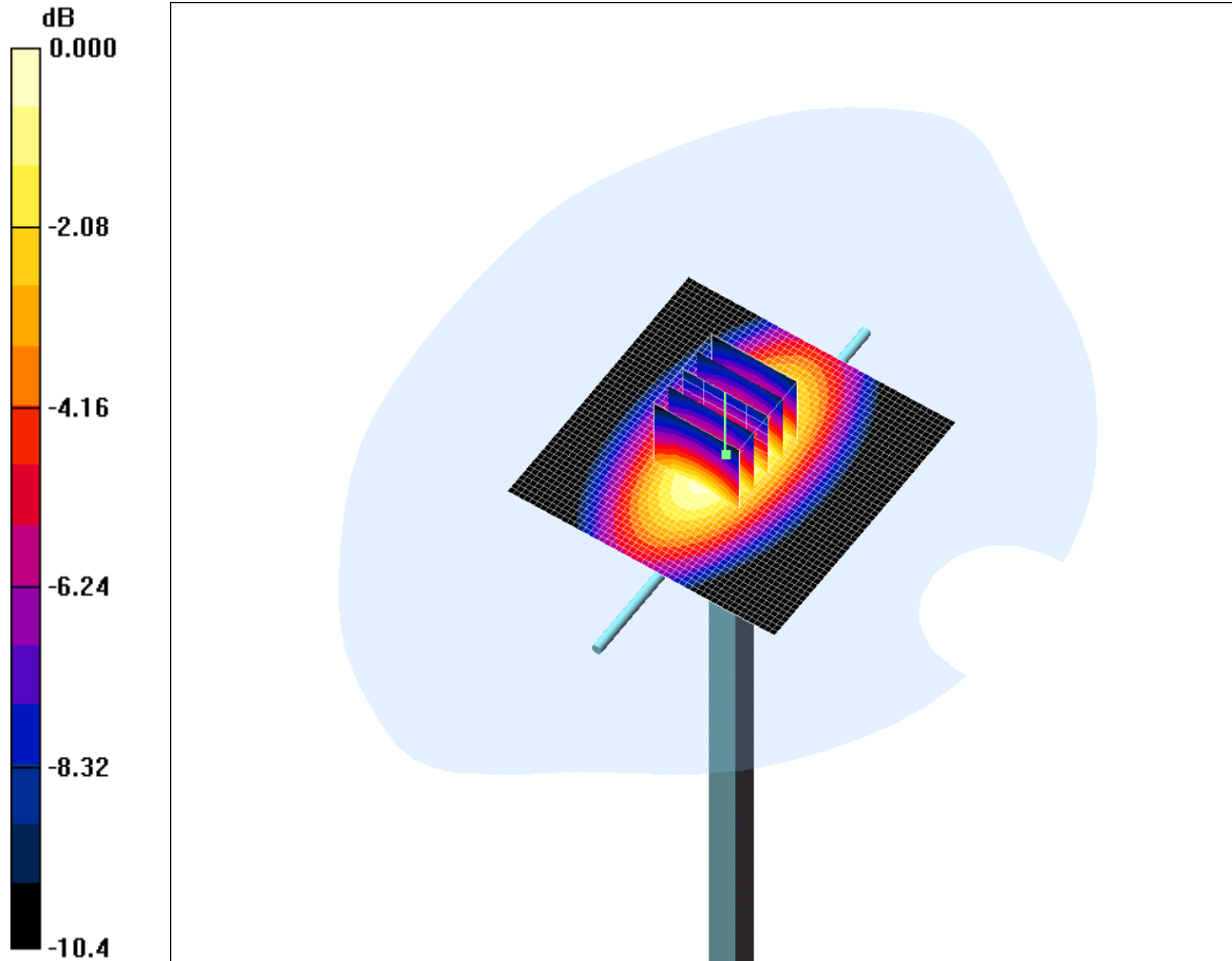
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/018: System Performance Check 900MHz Body 08 12 08

Date: 22/11/2008

DUT: Dipole 900 MHz; Type: D900V2; Serial: SN185



0 dB = 2.72mW/g

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

Medium: 900 MHz MSL Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.03 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.21, 10.21, 10.21); Calibrated: 24/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 2.77 mW/g

d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.2 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 2.53 mW/g; SAR(10 g) = 1.67 mW/g

Maximum value of SAR (measured) = 2.72 mW/g

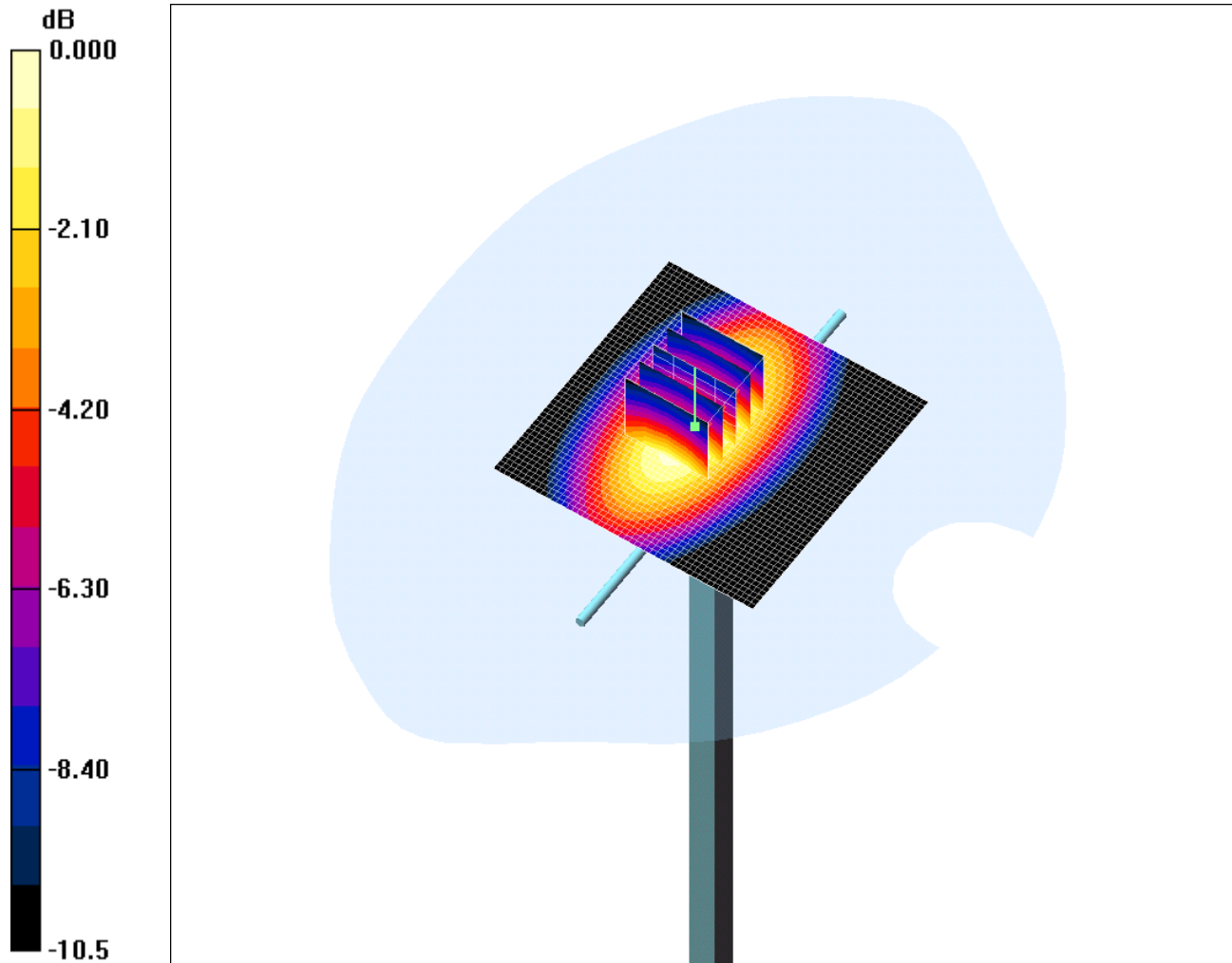
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/019: System Performance Check 900MHz Body 19 12 08

Date: 19/12/2008

DUT: Dipole 900 MHz; Type: D900V2; Serial: SN185



0 dB = 2.90mW/g

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

Medium: 900 MHz MSL Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.21, 10.21, 10.21); Calibrated: 24/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 2.95 mW/g

d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.6 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 4.00 W/kg

SAR(1 g) = 2.7 mW/g; SAR(10 g) = 1.78 mW/g

Maximum value of SAR (measured) = 2.90 mW/g

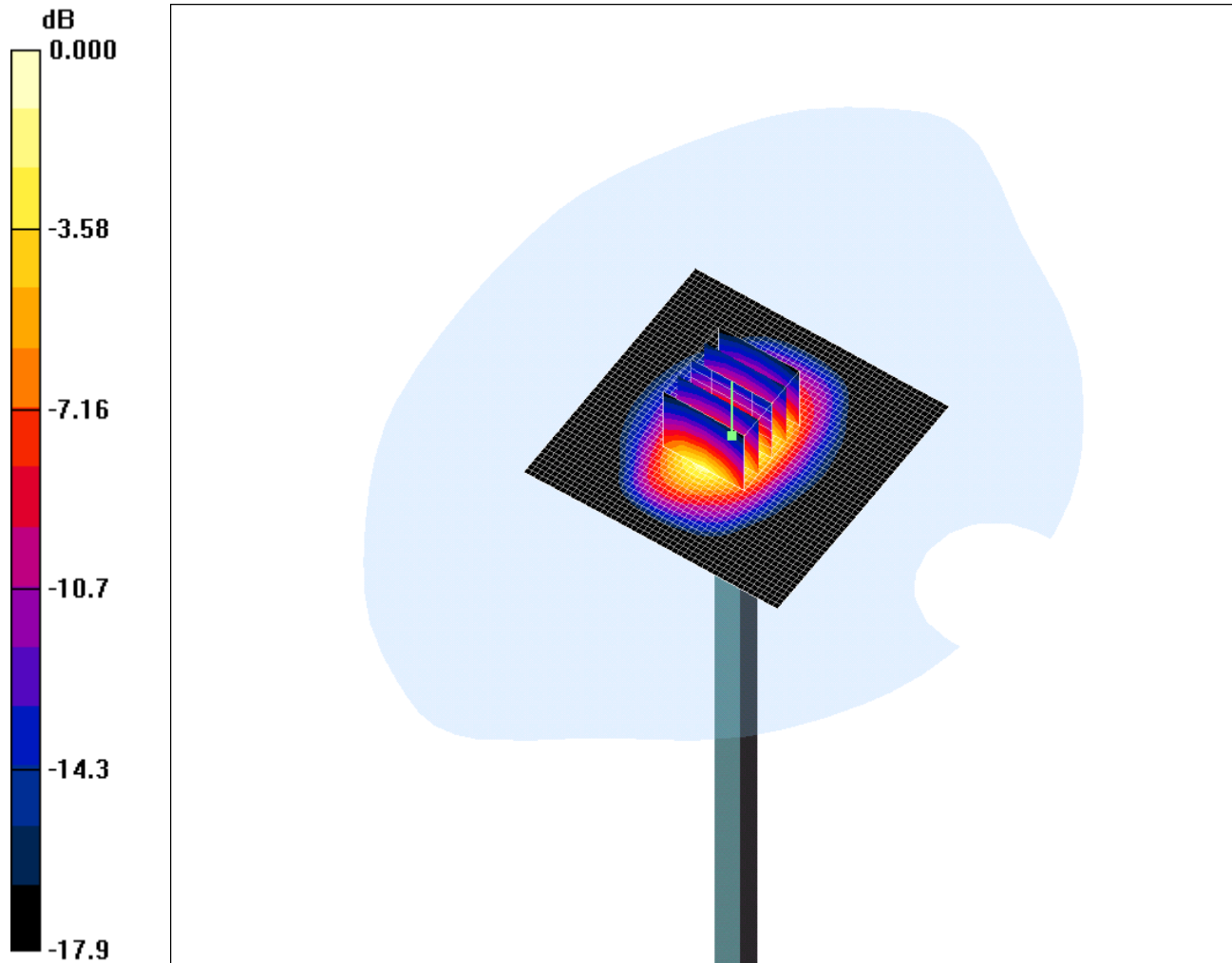
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/020: System Performance Check 1900MHz Body 14 12 08

Date: 14/12/2008

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.1mW/g

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

Medium: 1900 MHz MSL Medium parameters used: $f = 1900$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.29, 8.29, 8.29); Calibrated: 24/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 14.4 mW/g

d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.6 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 9.83 mW/g; SAR(10 g) = 5.04 mW/g

Maximum value of SAR (measured) = 11.1 mW/g

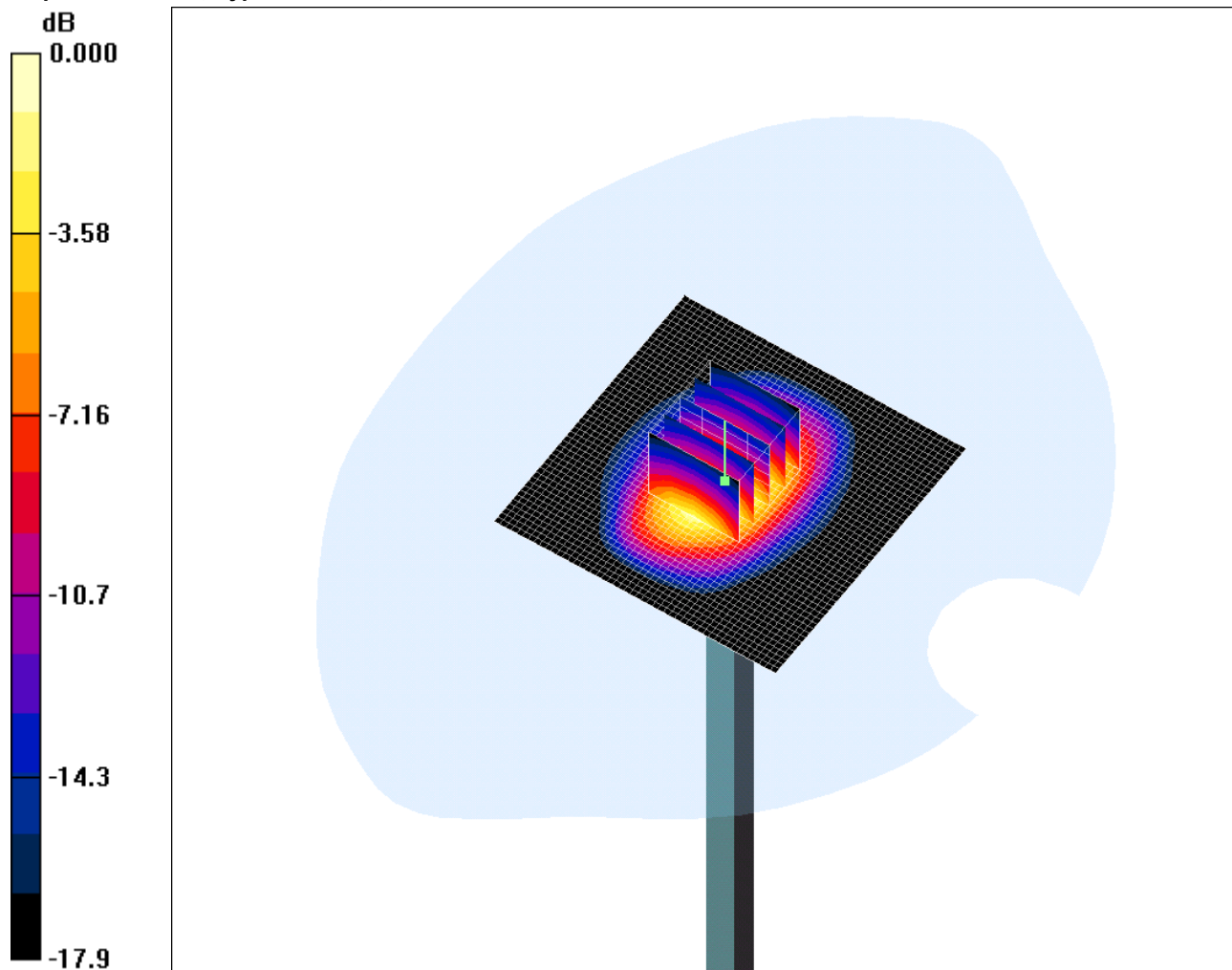
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/021: System Performance Check 1900MHz Body 18 12 08

Date: 18/12/2008

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 10.9mW/g

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

Medium: 1900 MHz MSL Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.29, 8.29, 8.29); Calibrated: 24/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 14.2 mW/g

d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.6 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 9.7 mW/g; SAR(10 g) = 4.97 mW/g

Maximum value of SAR (measured) = 10.9 mW/g

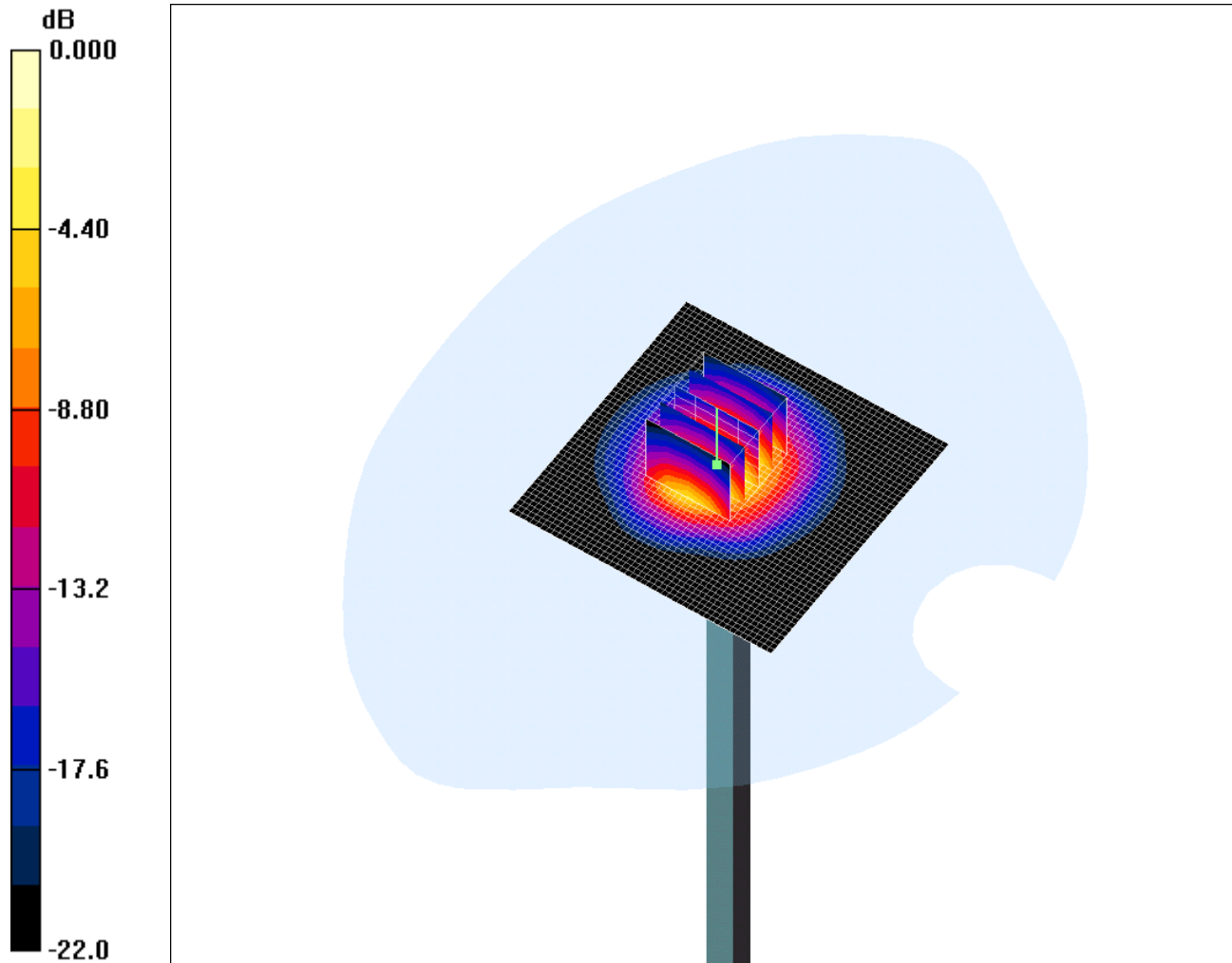
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/022: System Performance Check 2450MHz Body 07 01 09

Date/Time: 07/01/2009

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



0 dB = 14.6mW/g

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used: $f = 2450$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3173; ConvF(4.05, 4.05, 4.05); Calibrated: 23/06/2008

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

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW 1/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 16.2 mW/g

d=10mm, Pin=250mW 1/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 77.9 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 24.2 W/kg

SAR(1 g) = 12.7 mW/g; SAR(10 g) = 5.88 mW/g

Maximum value of SAR (measured) = 14.6 mW/g

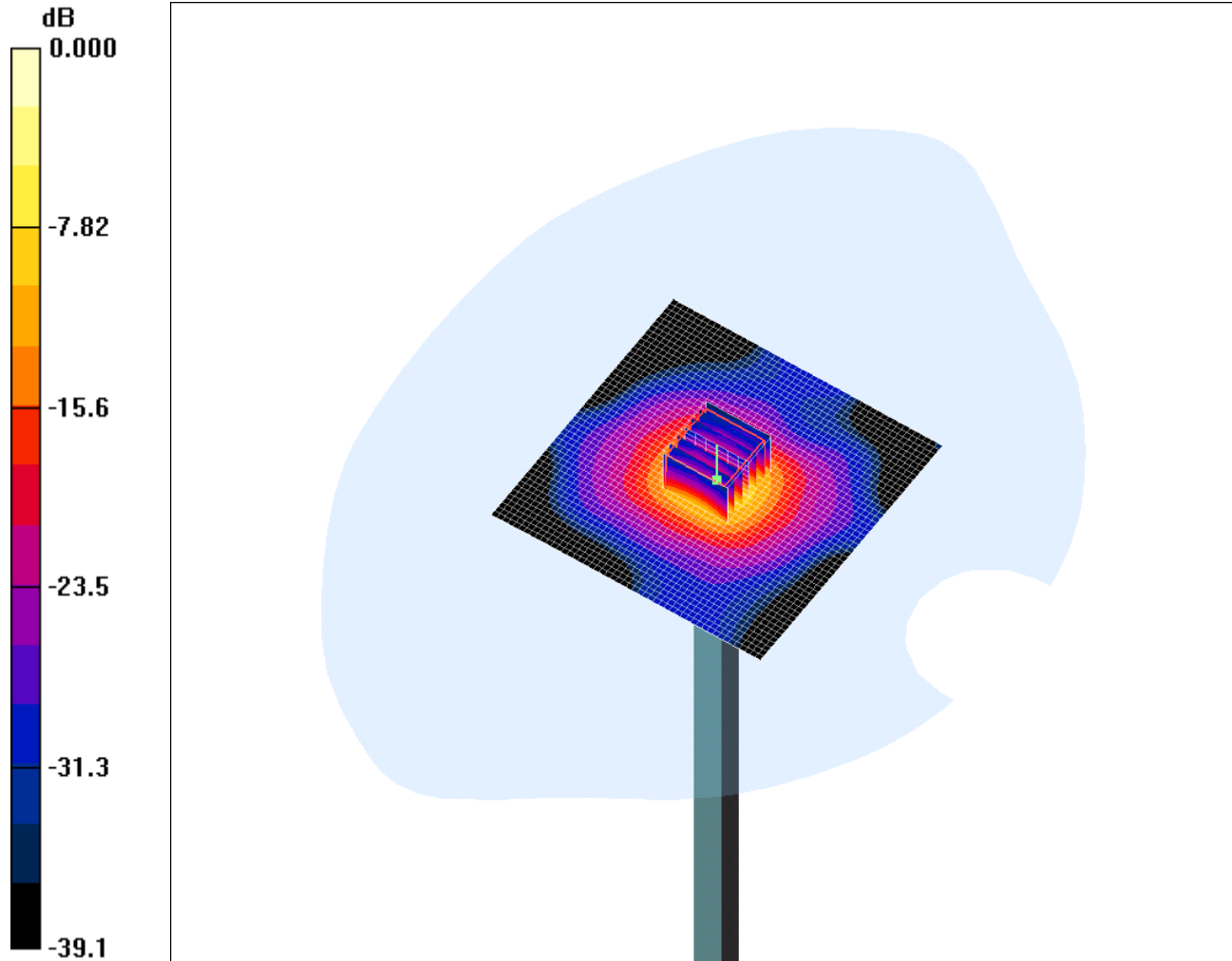
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/023: System Performance Check 5800MHz Body 08 01 09

Date: 08/01/2009

DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 17.8mW/g

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

Medium: 5800 MHz MSL Medium parameters used: $f = 5800$ MHz; $\sigma = 5.91$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3646; ConvF(3.81, 3.81, 3.81); Calibrated: 19/09/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 25/06/2008
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=112mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 5.00 mW/g

d=10mm, Pin=112mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 41.3 V/m; Power Drift = 0.192 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 8.47 mW/g; SAR(10 g) = 2.32 mW/g

Maximum value of SAR (measured) = 17.8 mW/g

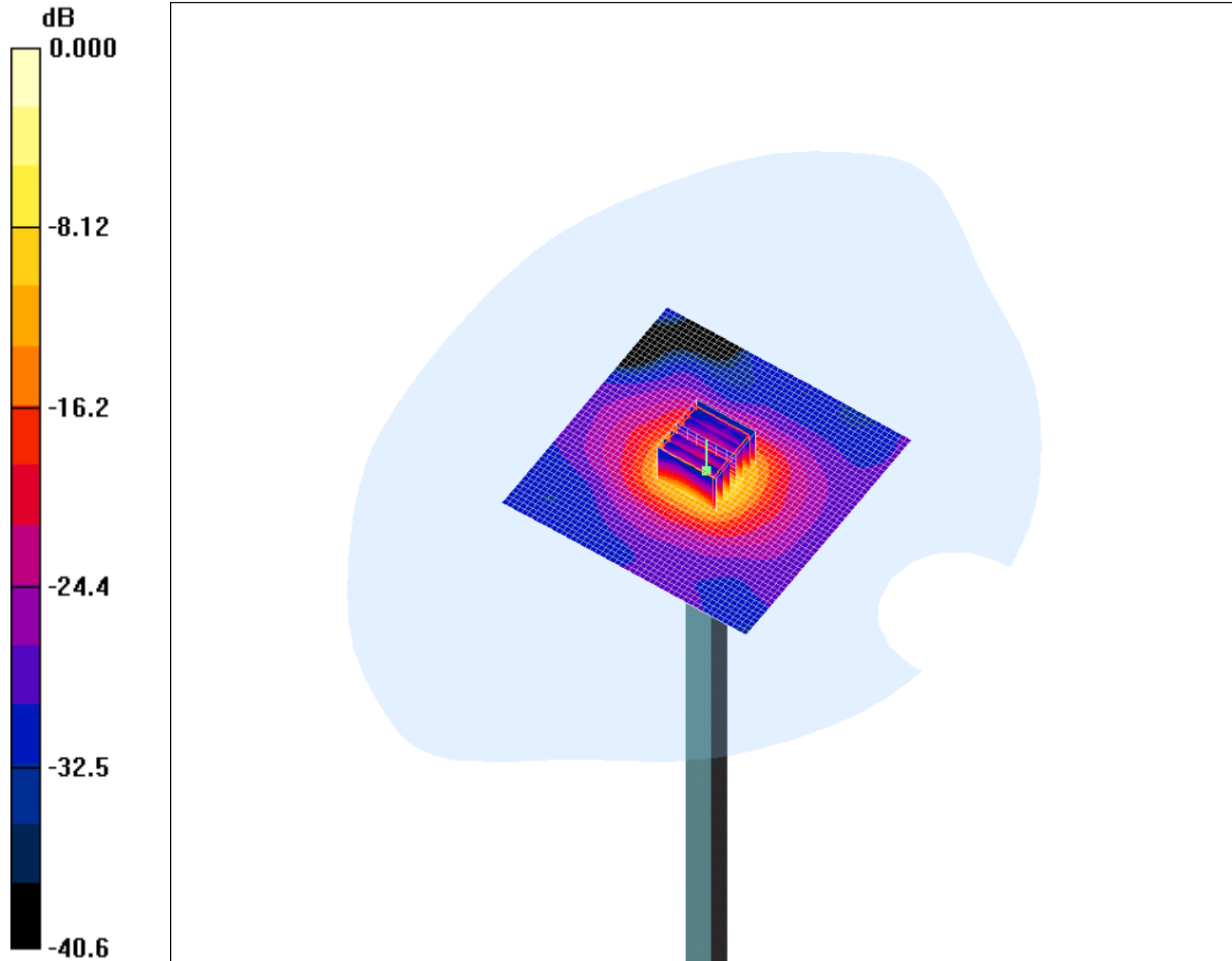
Test of: Dell Inspiron 1010 Netbook PC

To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74349JD01/024: System Performance Check 5800MHz Body 09 01 09

Date: 09/01/2009

DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 18.1mW/g

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

Medium: 5800 MHz MSL Medium parameters used: $f = 5800$ MHz; $\sigma = 5.91$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3646; ConvF(3.81, 3.81, 3.81); Calibrated: 19/09/2008

- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 25/06/2008

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=112mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 5.31 mW/g

d=10mm, Pin=112mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 42.8 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 33.3 W/kg

SAR(1 g) = 8.25 mW/g; SAR(10 g) = 2.24 mW/g

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