

Test of: Connexion2 Ltd

i770

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/49684JD01/001	Front Of EUT Facing Phantom GSM CH189
SCN/49684JD01/002	Rear Of EUT Facing Phantom GSM CH189
SCN/49684JD01/003	Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached GSM CH189
SCN/49684JD01/004	Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached GSM CH128
SCN/49684JD01/005	Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached GSM CH251
SCN/49684JD01/006	Front Of EUT Facing Phantom GSM CH128
SCN/49684JD01/007	Front Of EUT Facing Phantom GSM CH251
SCN/49684JD01/008	Front Of EUT Facing Phantom PCS CH660
SCN/49684JD01/009	Rear Of EUT Facing Phantom PCS CH660
SCN/49684JD01/010	Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached PCS CH660
SCN/49684JD01/011	Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached PCS CH512
SCN/49684JD01/012	Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached PCS CH810
SCN/49684JD01/013	Front Of EUT Facing Phantom PCS CH512
SCN/49684JD01/014	Front Of EUT Facing Phantom PCS CH810
SCN/49684JD01/015	System Performance Check 1900MHz Body 06 12 07
SCN/49684JD01/016	System Performance Check 900MHz Body 06 12 07

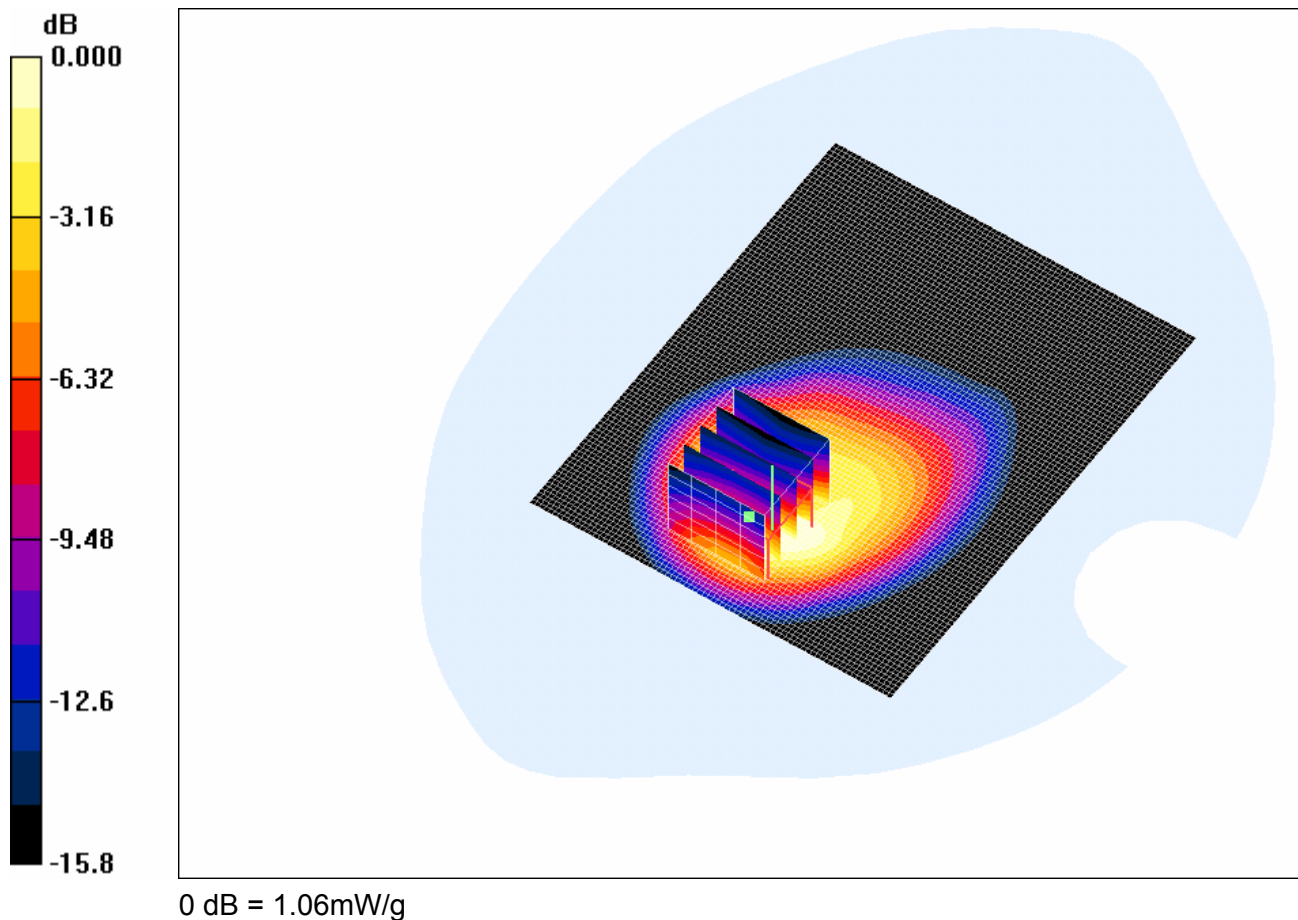
Test of: Connexion2 Ltd  
i770

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

SCN/49684JD01/001: Front Of EUT Facing Phantom GSM CH189

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: 850 MHz; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.19, 6.19, 6.19); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

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

**Front Of EUT Facing Phantom - Middle/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.15 mW/g

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

Reference Value = 16.3 V/m; Power Drift = -0.267 dB

Peak SAR (extrapolated) = 2.16 W/kg

**SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.484 mW/g**

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

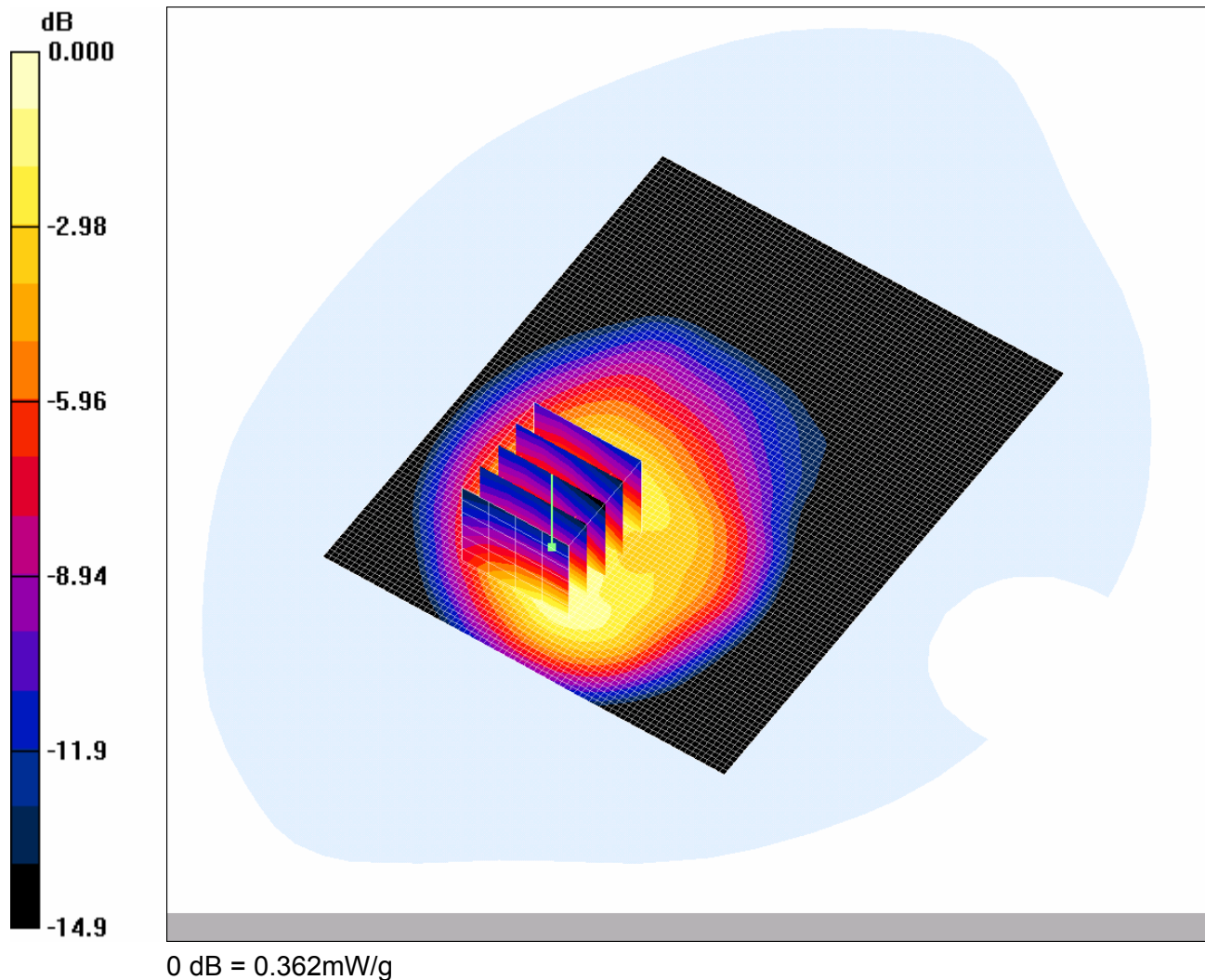
Test of: Connexion2 Ltd  
i770

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

SCN/49684JD01/002: Rear Of EUT Facing Phantom GSM CH189

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: 850 MHz; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.19, 6.19, 6.19); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

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

**Rear Of EUT Facing Phantom - Middle/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.389 mW/g

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

Reference Value = 10.4 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.582 W/kg

**SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.201 mW/g**

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

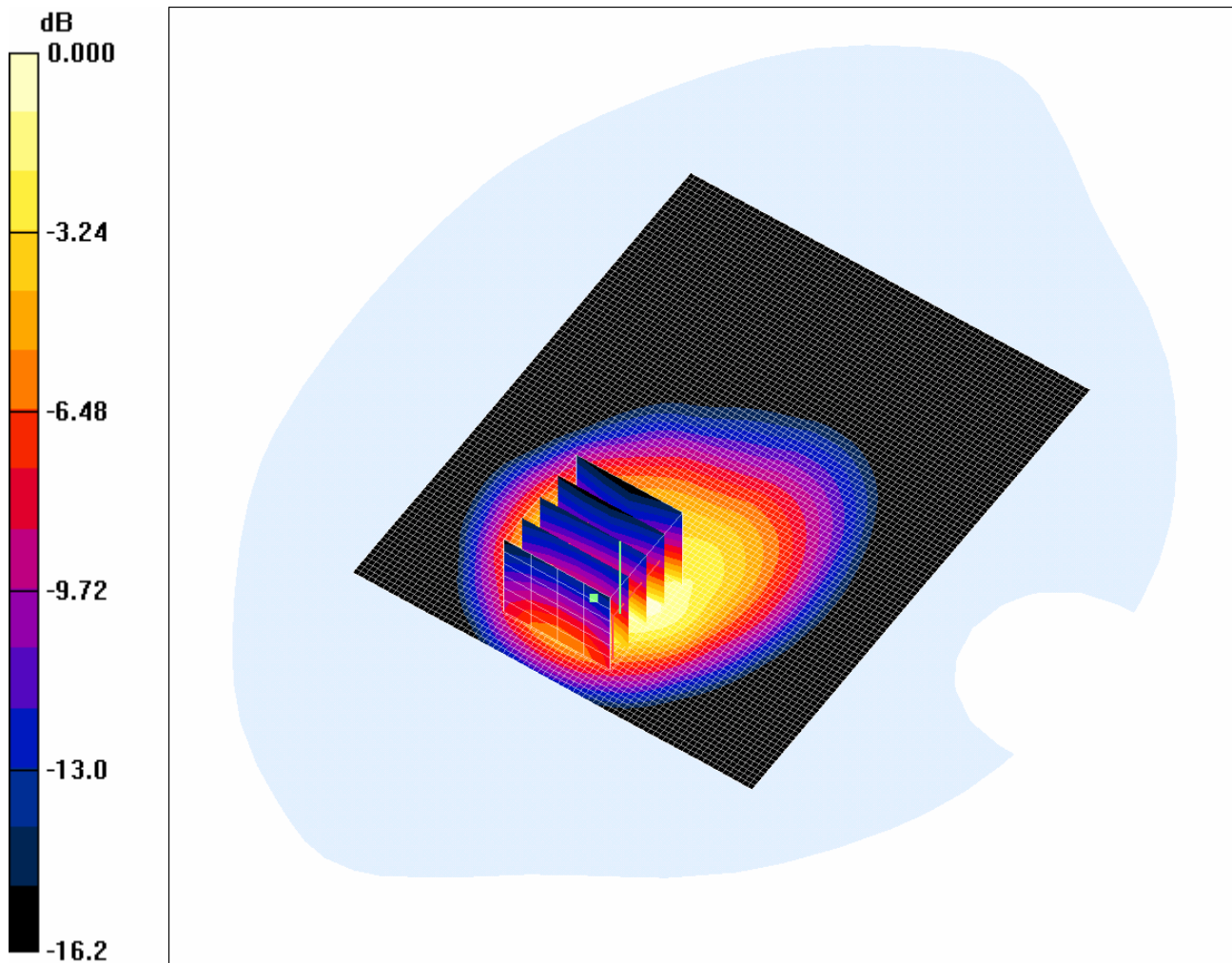
Test of: Connexion2 Ltd  
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To: OET Bulletin 65 Supplement C: (2001-01)

SCN/49684JD01/003: Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached GSM CH189

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



0 dB = 1.22mW/g

Communication System: 850 MHz; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.19, 6.19, 6.19); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

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

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached - Middle/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.07 mW/g

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 15.7 V/m; Power Drift = -0.028 dB, Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.524 mW/g**

Maximum value of SAR (measured) = 1.22 mW/g



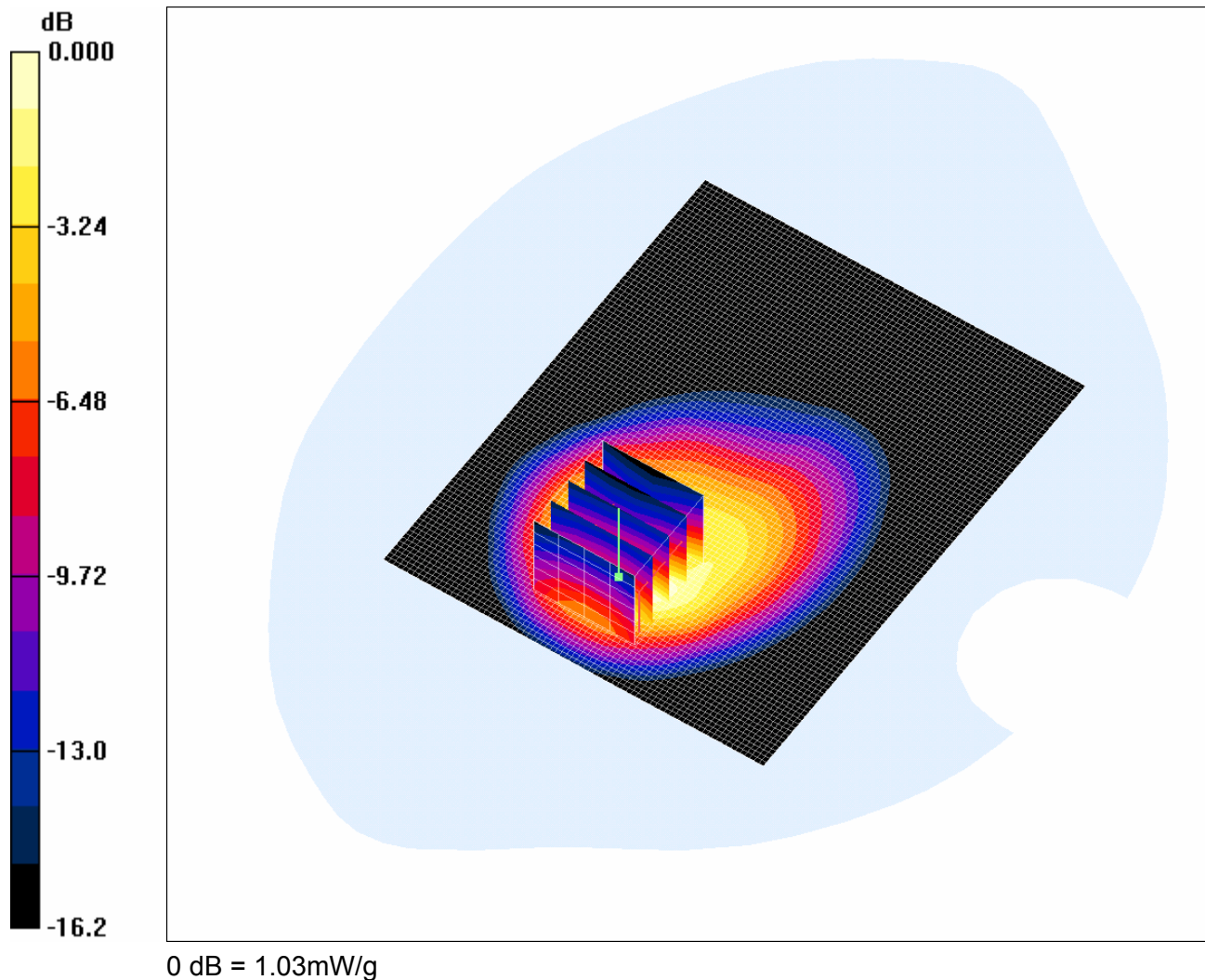
Test of: Connexion2 Ltd  
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To: OET Bulletin 65 Supplement C: (2001-01)

SCN/49684JD01/004: Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached GSM CH128

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: 850 MHz; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.19, 6.19, 6.19); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

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

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached - Low/Area Scan (81x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm, Maximum value of SAR (interpolated) = 1.07 mW/g

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm, Reference Value = 16.2 V/m; Power Drift = 0.005 dB, Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.445 mW/g**

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

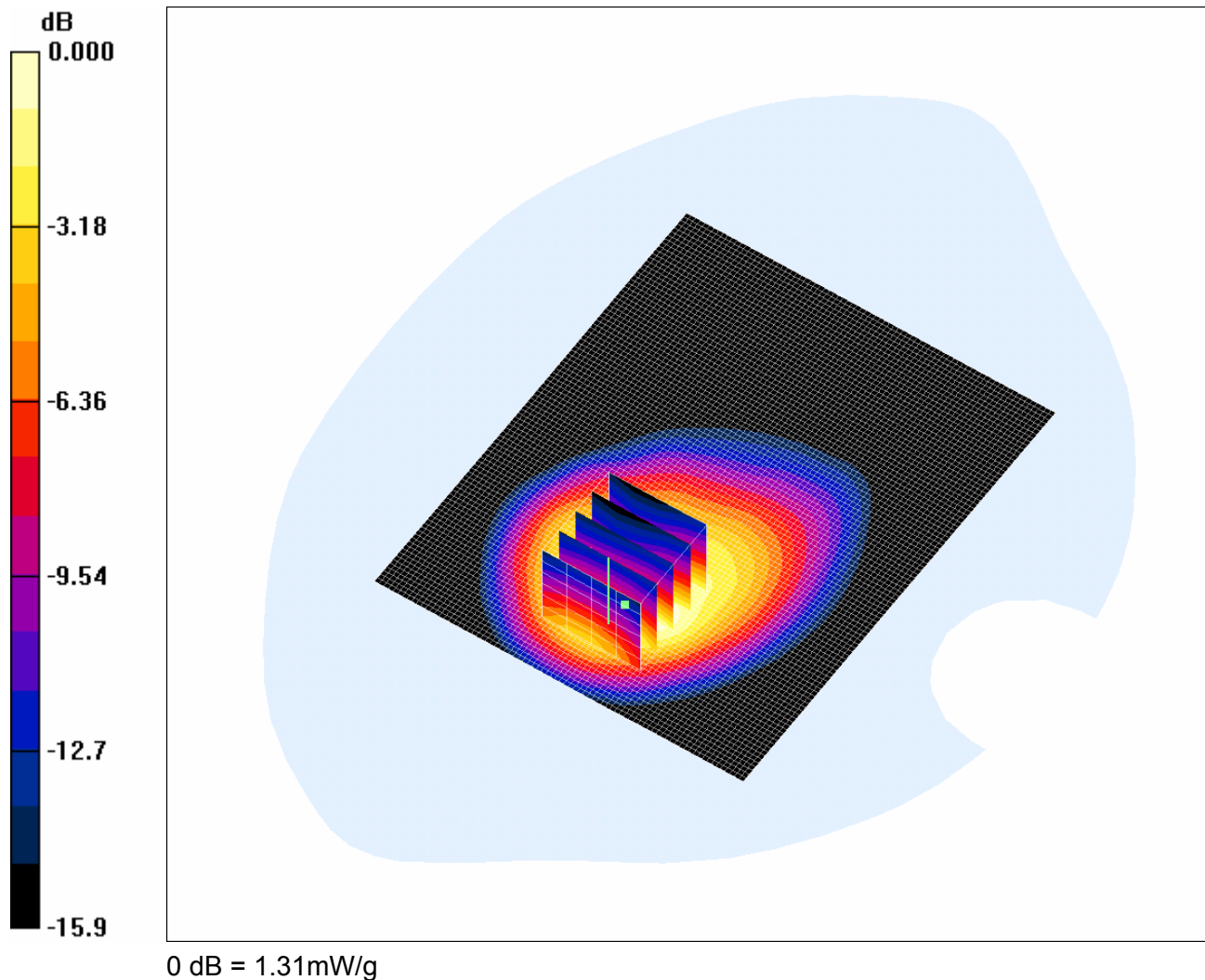
Test of: Connexion2 Ltd  
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To: OET Bulletin 65 Supplement C: (2001-01)

SCN/49684JD01/005: Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached GSM CH251

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 54$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.19, 6.19, 6.19); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

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

**Front Of EUT Facing Phantom With Lanyard Attached - High/Area Scan (81x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 1.31 mW/g

**Front Of EUT Facing Phantom With Lanyard Attached - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.2 V/m; Power Drift = 0.064 dB, Peak SAR (extrapolated) = 2.71 W/kg

**SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.618 mW/g**

Maximum value of SAR (measured) = 1.31 mW/g

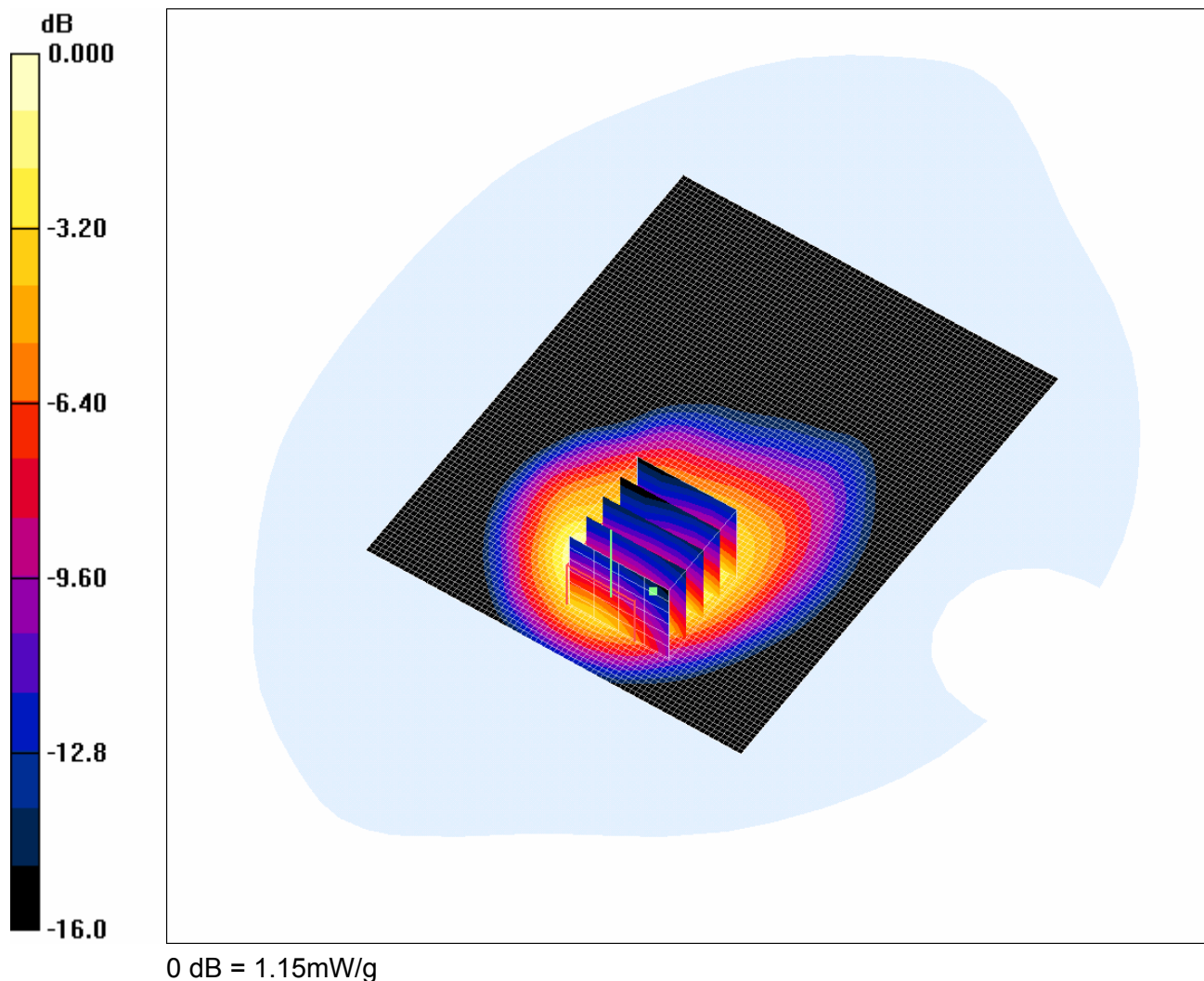
Test of: Connexion2 Ltd  
i770

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

SCN/49684JD01/006: Front Of EUT Facing Phantom GSM CH128

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: 850 MHz; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.19, 6.19, 6.19); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

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

**Front Of EUT Facing Phantom With Lanyard Attached - Low/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.09 mW/g

**Front Of EUT Facing Phantom With Lanyard Attached - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.3 V/m; Power Drift = 0.030 dB, Peak SAR (extrapolated) = 2.20 W/kg

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.510 mW/g**

Maximum value of SAR (measured) = 1.15 mW/g



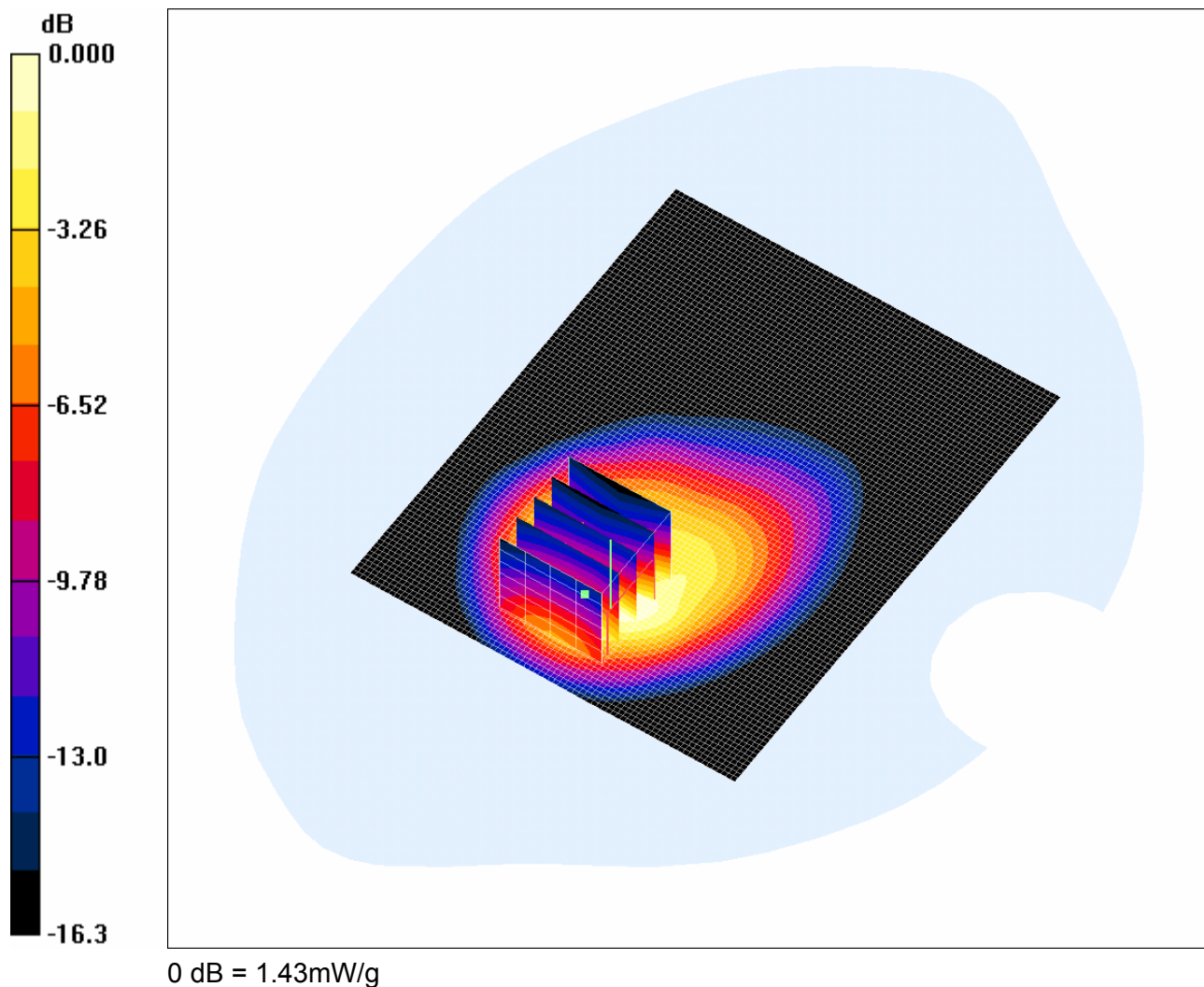
Test of: Connexion2 Ltd

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

SCN/49684JD01/007: Front Of EUT Facing Phantom GSM CH251

Date: 06/12/2007

**DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414**

Communication System: 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 54$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.19, 6.19, 6.19); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

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

**Front Of EUT Facing Phantom With Lanyard Attached - High/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.36 mW/g

**Front Of EUT Facing Phantom With Lanyard Attached - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 2.82 W/kg

**SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.627 mW/g**

Maximum value of SAR (measured) = 1.43 mW/g



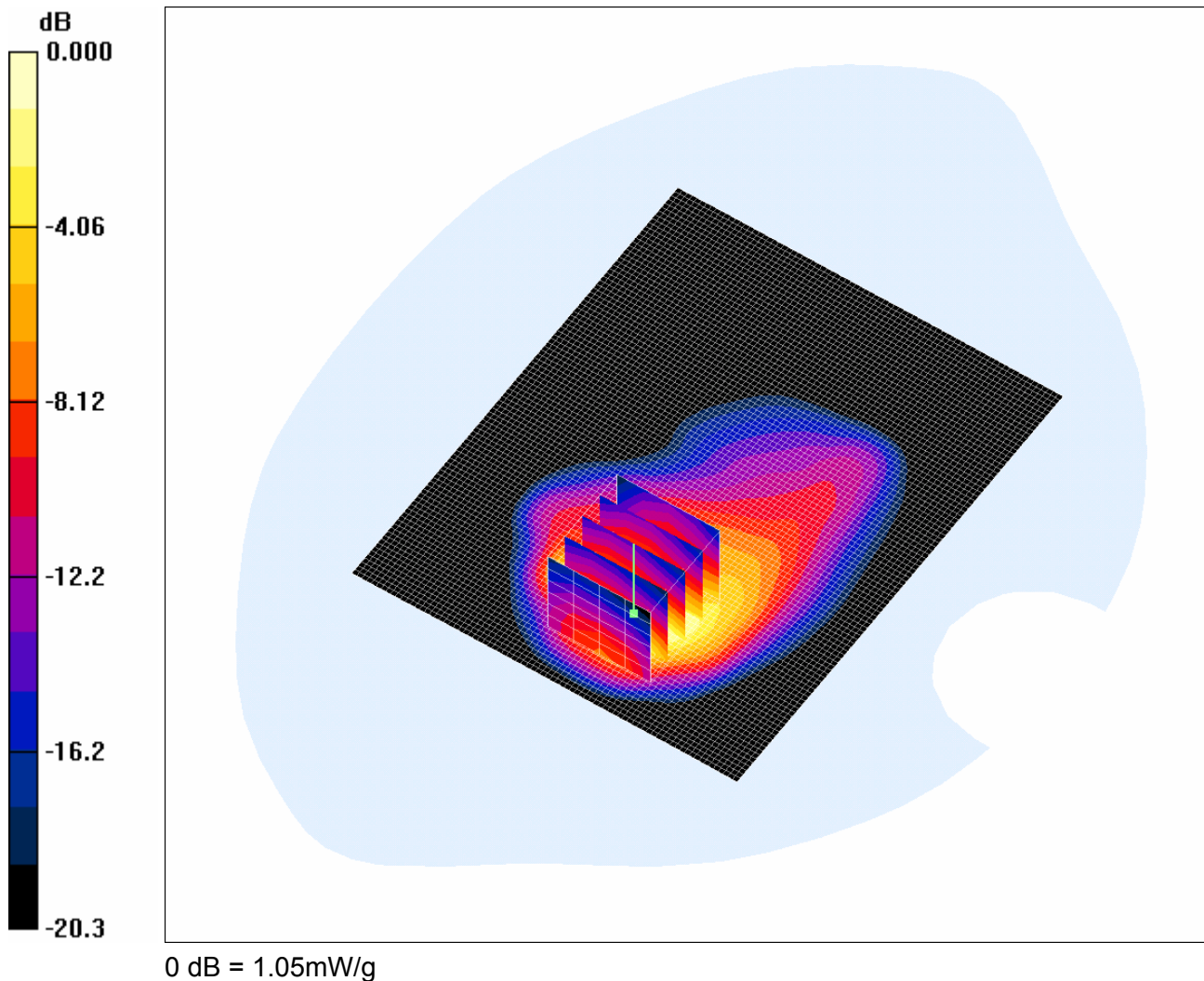
Test of: Connexion2 Ltd  
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To: OET Bulletin 65 Supplement C: (2001-01)

SCN/49684JD01/008: Front Of EUT Facing Phantom PCS CH660

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1879.8$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.57, 4.57, 4.57); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

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

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

**Front Of EUT Facing Phantom - Middle/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 6.36 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.433 mW/g**

Maximum value of SAR (measured) = 1.05 mW/g

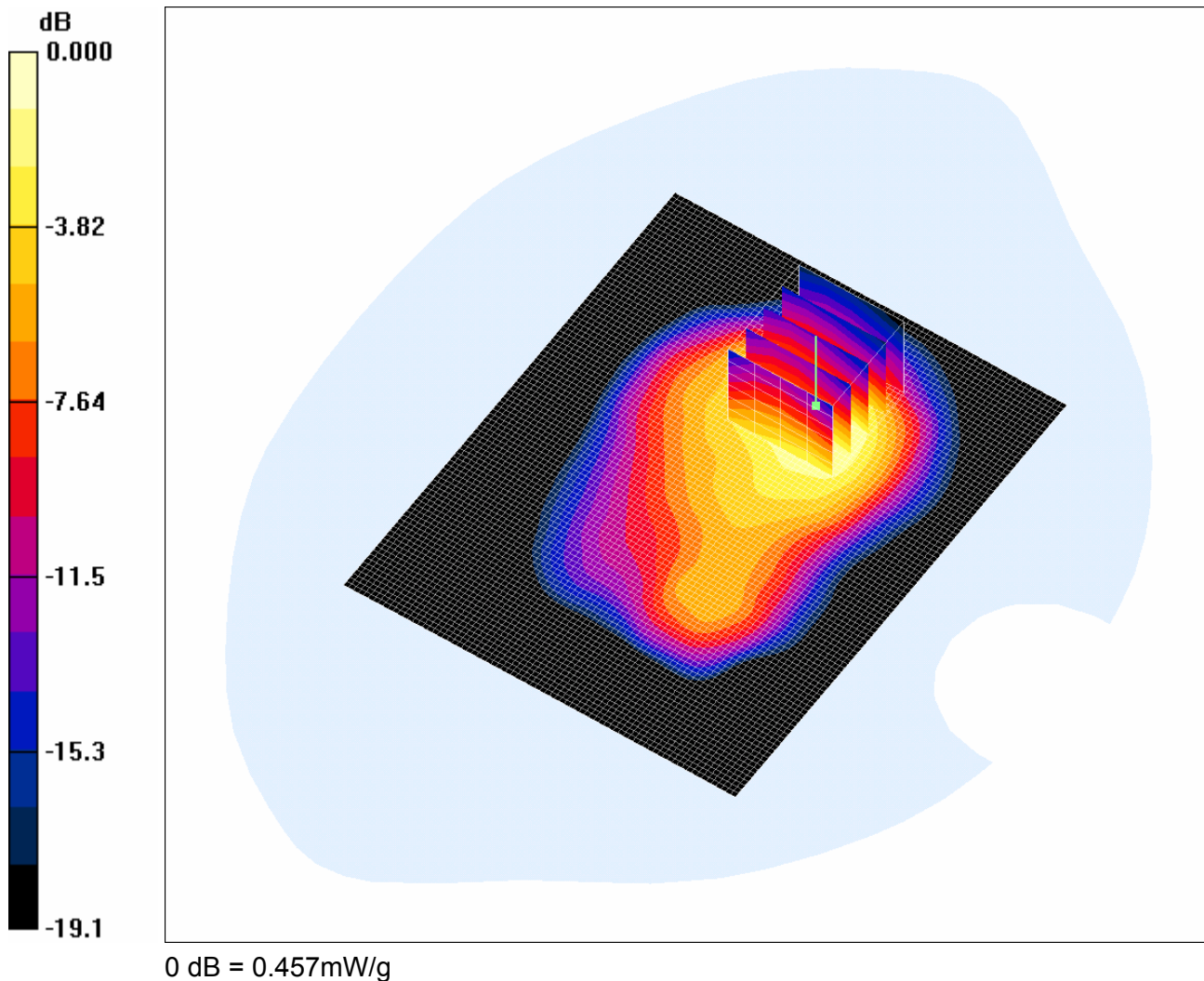
Test of: Connexion2 Ltd  
i770

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

SCN/49684JD01/009: Rear Of EUT Facing Phantom PCS CH660

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1879.8$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.57, 4.57, 4.57); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

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

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

**Rear Of EUT Facing Phantom - Middle/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.478 mW/g

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

Reference Value = 9.95 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 0.759 W/kg

**SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.223 mW/g**

Maximum value of SAR (measured) = 0.457 mW/g

Test of: Connexion2 Ltd

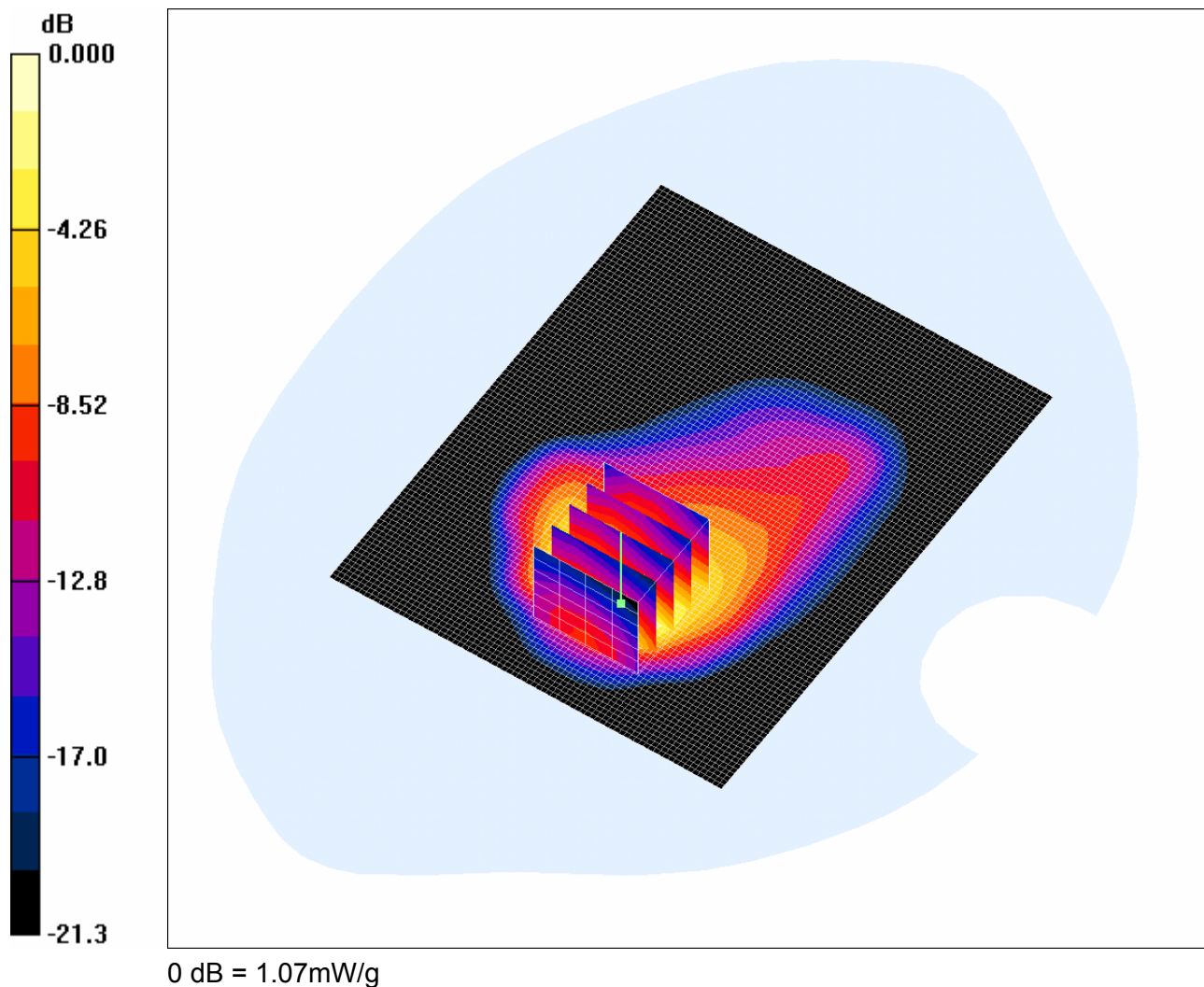
i770

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

SCN/49684JD01/010: Front Of EUT Facing Phantom With Lanyard &amp; Lapel Clip Attached PCS CH660

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1879.8$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.57, 4.57, 4.57); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

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

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

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - Middle/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.15 mW/g

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.07 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.441 mW/g**

Maximum value of SAR (measured) = 1.07 mW/g



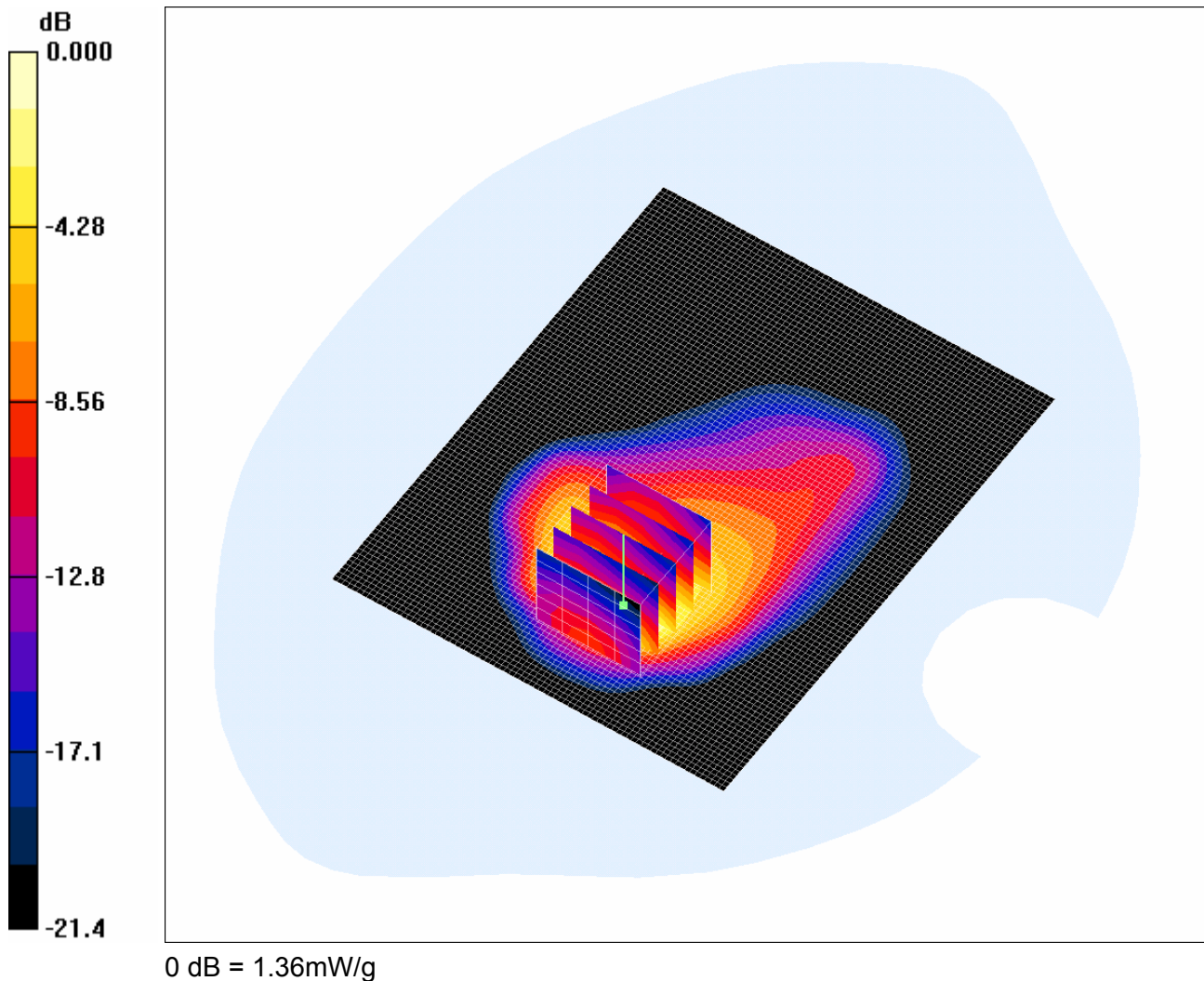
Test of: Connexion2 Ltd  
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To: OET Bulletin 65 Supplement C: (2001-01)

SCN/49684JD01/011: Front Of EUT Facing Phantom With Lanyard & Lapel Clip Attached PCS CH512

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.57, 4.57, 4.57); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

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

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

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - Low/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.50 mW/g

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 2.37 W/kg

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.593 mW/g**

Maximum value of SAR (measured) = 1.36 mW/g

Test of: Connexion2 Ltd

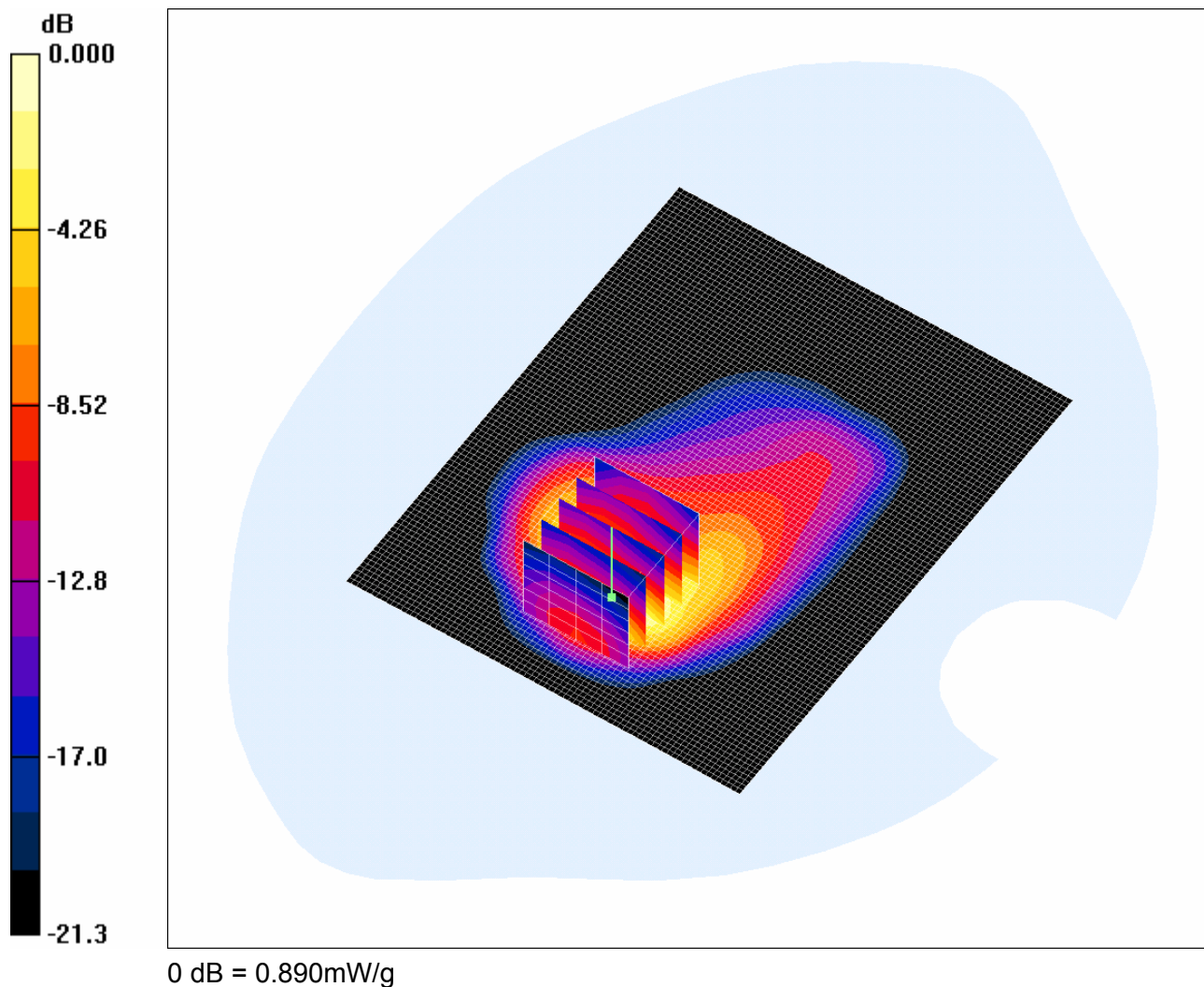
i770

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

SCN/49684JD01/012: Front Of EUT Facing Phantom With Lanyard &amp; Lapel Clip Attached PCS CH810

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.61$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.57, 4.57, 4.57); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

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

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

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - High/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.972 mW/g

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.91 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.734 mW/g; SAR(10 g) = 0.347 mW/g**

Maximum value of SAR (measured) = 0.890 mW/g

Test of: Connexion2 Ltd

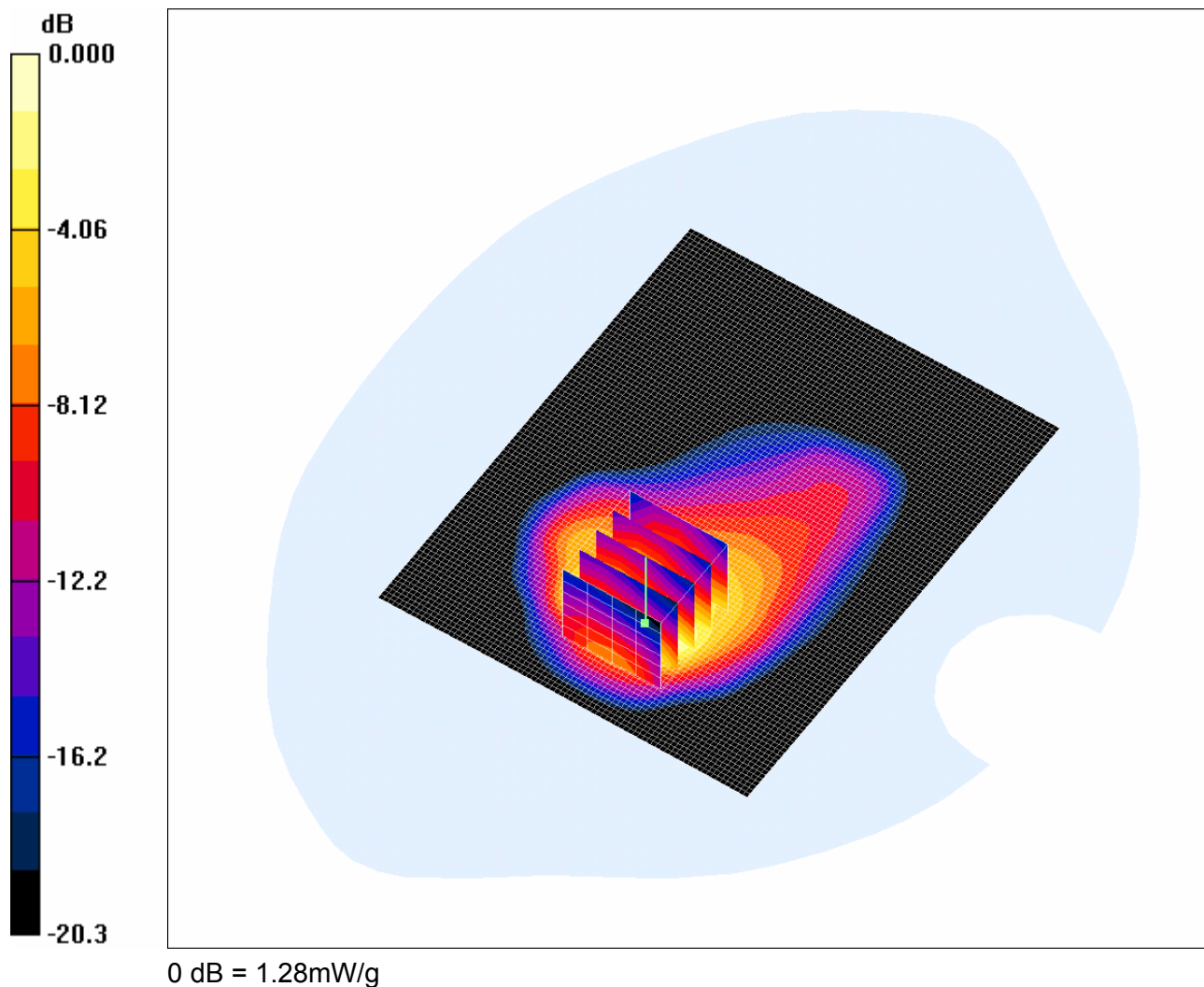
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To: OET Bulletin 65 Supplement C: (2001-01)

SCN/49684JD01/013: Front Of EUT Facing Phantom PCS CH512

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.57, 4.57, 4.57); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

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

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

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - Low/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.51 mW/g

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.65 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 2.39 W/kg

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.594 mW/g**

Maximum value of SAR (measured) = 1.28 mW/g



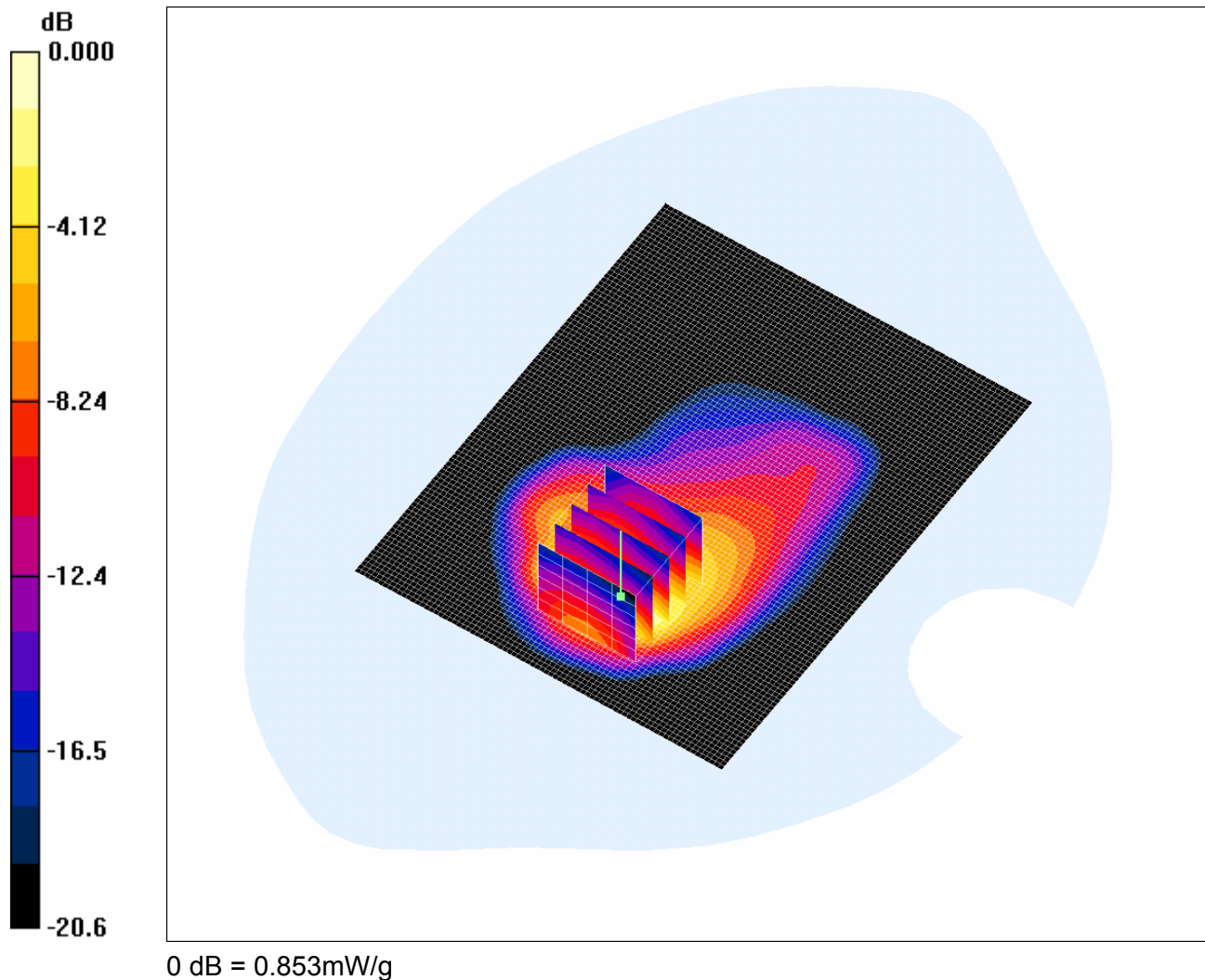
Test of: Connexion2 Ltd  
i770

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

SCN/49684JD01/014: Front Of EUT Facing Phantom PCS CH810

Date: 06/12/2007

DUT: Connexion2 Ltd; Type: i770; Serial: S10607001414



Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.61$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.57, 4.57, 4.57); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

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

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

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - High/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

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

**Front Of EUT Facing Phantom With Lanyard & Lapel Clip - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.24 V/m; Power Drift = -0.135 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.773 mW/g; SAR(10 g) = 0.364 mW/g**

Maximum value of SAR (measured) = 0.853 mW/g

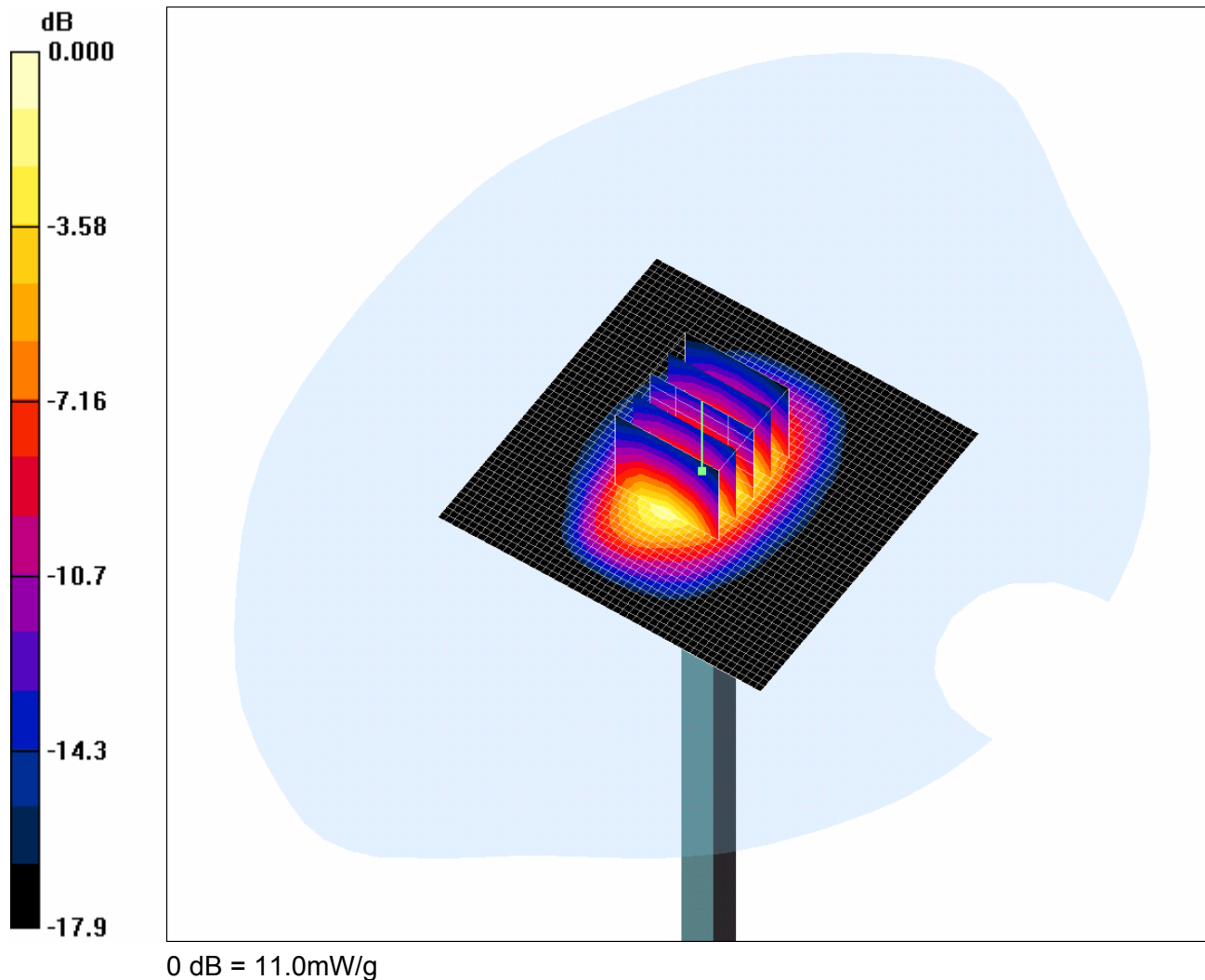
Test of: Connexion2 Ltd  
i770

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

SCN/49684JD01/015: System Performance Check 1900MHz Body 06 12 07

Date: 06/12/2007

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



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

Medium: 1900 MHz MSL Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.6$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.57, 4.57, 4.57); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- 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) = 13.9 mW/g

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

Reference Value = 87.6 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 17.4 W/kg

**SAR(1 g) = 9.75 mW/g; SAR(10 g) = 5.07 mW/g**

Maximum value of SAR (measured) = 11.0 mW/g

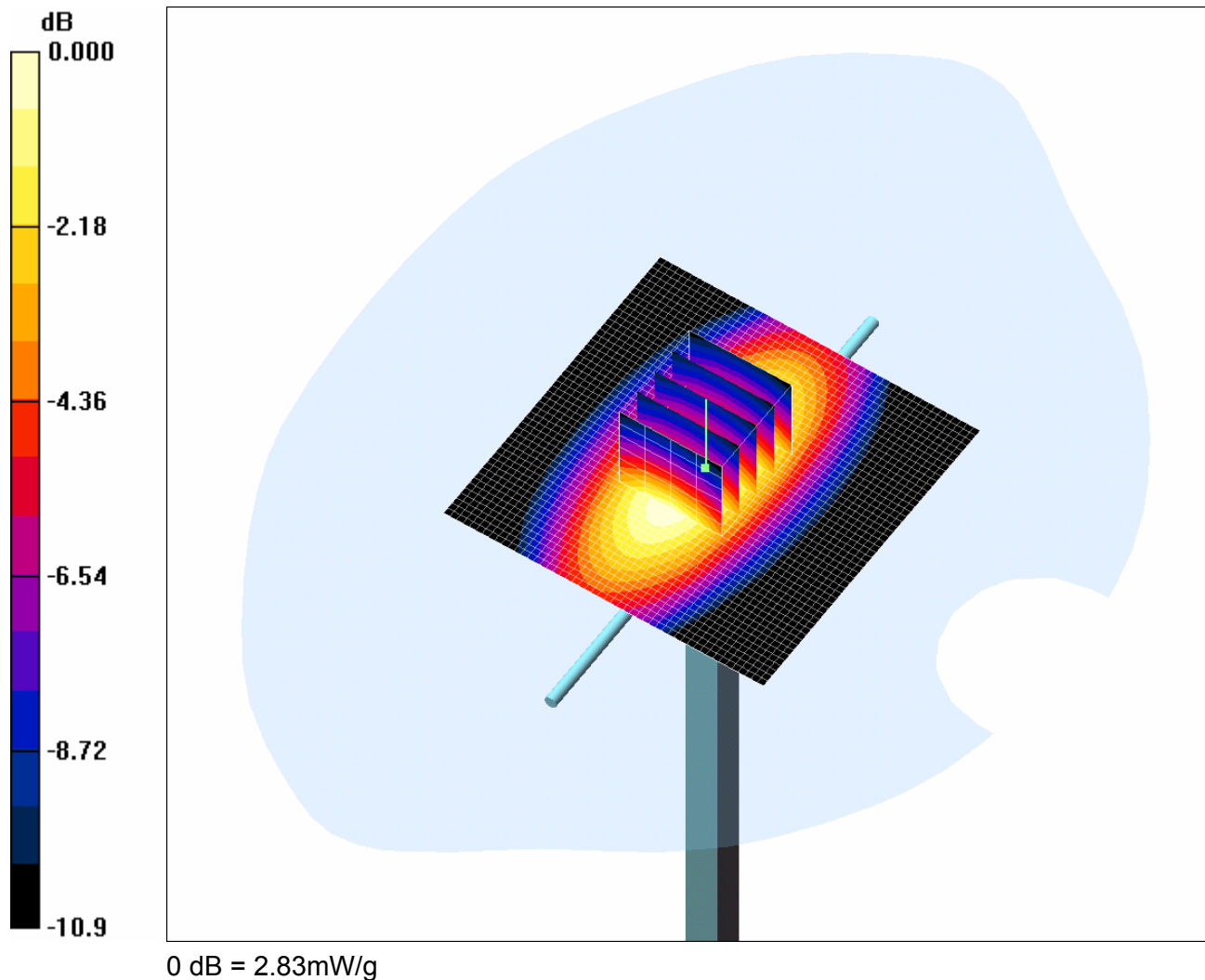
Test of: Connexion2 Ltd  
i770

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

SCN/49684JD01/016: System Performance Check 900MHz Body 06 12 07

Date: 06/12/2007

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



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

Medium: 900 MHz MSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.04 \text{ mho/m}$ ;  $\epsilon_r = 53.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.9, 5.9, 5.9); Calibrated: 06/07/2007

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

- Electronics: DAE3 Sn394; Calibrated: 24/05/2007

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

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

**d=10mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $2.97 \text{ mW/g}$

**d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $53.9 \text{ V/m}$ ; Power Drift =  $0.006 \text{ dB}$

Peak SAR (extrapolated) =  $3.81 \text{ W/kg}$

**SAR(1 g) =  $2.61 \text{ mW/g}$ ; SAR(10 g) =  $1.69 \text{ mW/g}$**

Maximum value of SAR (measured) =  $2.83 \text{ mW/g}$