## Appendix 2. SAR Distribution Scans

This appendix contains SAR distribution scans.

| Scan Reference Number | Title |
|---|---|
| SCN/48332/001 | EUT In Holster Rear Facing Phantom GPRS CH660 |
| SCN/48332/002 | EUT In Holster Display Facing Phantom GPRS CH660 |
| SCN/48332/003 | EUT With Belt Clip Rear Facing Phantom GPRS CH660 |
| SCN/48332/004 | EUT With Belt Clip And PHF Rear Facing Phantom GPRS CH660 |
| SCN/48332/005 | EUT With Belt Clip And PHF Rear Facing Phantom GPRS CH512 |
| SCN/48332/006 | EUT With Belt Clip And PHF Rear Facing Phantom GPRS CH810 |
| SCN/48332/007 | EUT With Belt Clip Rear Facing Phantom GPRS CH512 |
| SCN/48332/008 | EUT With Belt Clip Rear Facing Phantom GPRS CH810 |
| SCN/48332/009 | Touch Left CH660 |
| SCN/48332/010 | Tilt Left CH660 |
| SCN/48332/011 | Touch Right CH660 |
| SCN/48332/012 | Tilt Right CH660 |
| SCN/48332/033 | EUT in Holster Rear Facing Phantom WiFi |
| SCN/48332/034 | EUT in Holster Front Facing Phantom WiFi |
| SCN/48332/035 | EUT With Belt Clip Rear Facing Phantom WiFi |
| SCN/48332/036 | EUT With Belt Clip & PHF Rear Facing Phantom WiFi |
| SCN/48332/037 | Validation 001 |
| SCN/48332/038 | Validation 002 |
| SCN/48332/039 | Validation 006 |
| SCN/48332/040 | Validation 007 |

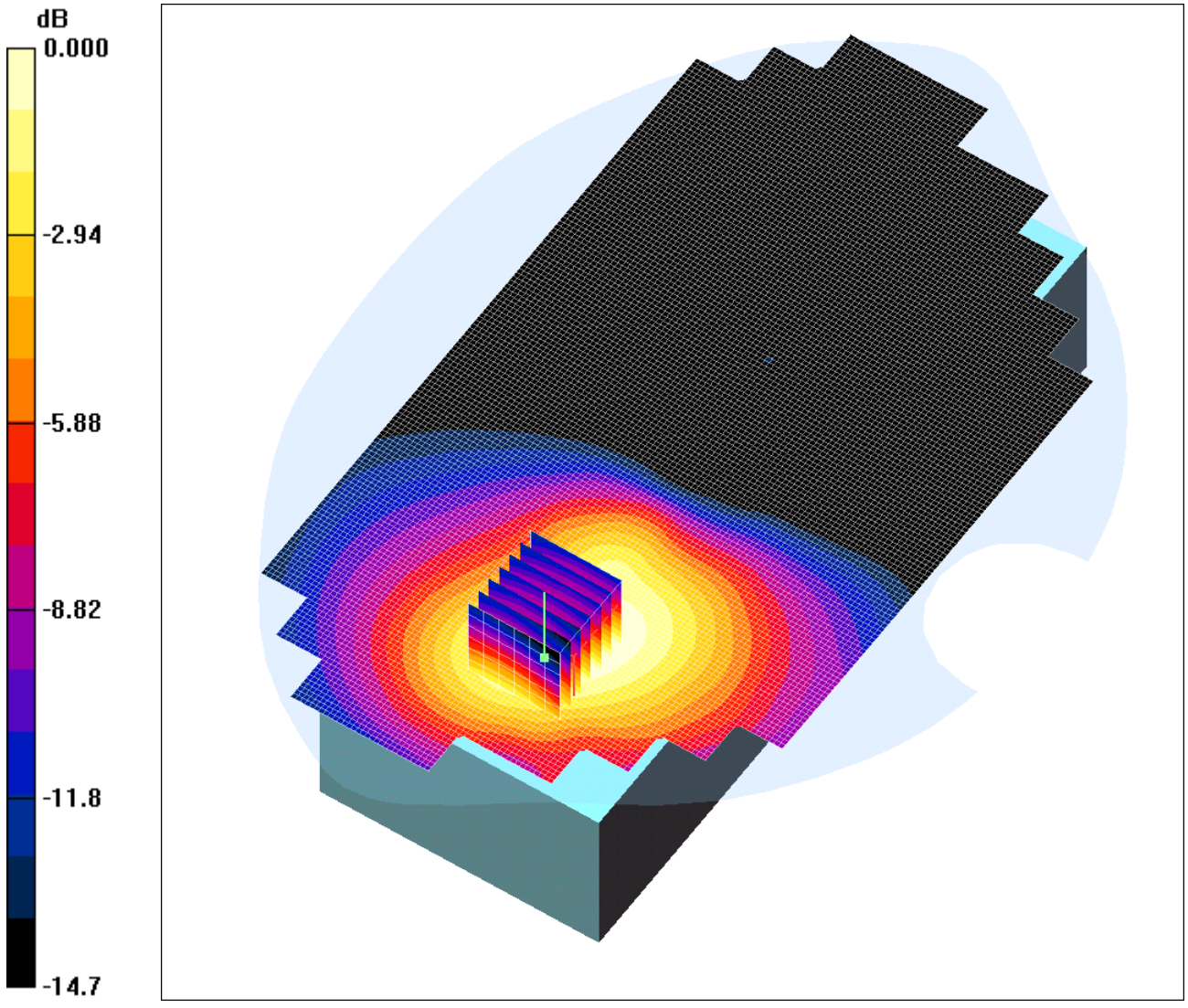
Date: 05/06/2006

48332_JD01_001

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_001_EUT_In_Holster_Rear_Facing_Phantom_GPRS_CH660

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.382mW/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; $\sigma$ = 1.57 mho/m; $\varepsilon_r$ = 54; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT In Hoslter Rear Facing Phantom - Middle/Area Scan (101x201x1):** Measurement grid: dx=15mm, dy=15mm

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

**EUT In Hoslter Rear Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.62 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 0.532 W/kg
**SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.227 mW/g**

Maximum value of SAR (measured) = 0.382 mW/g

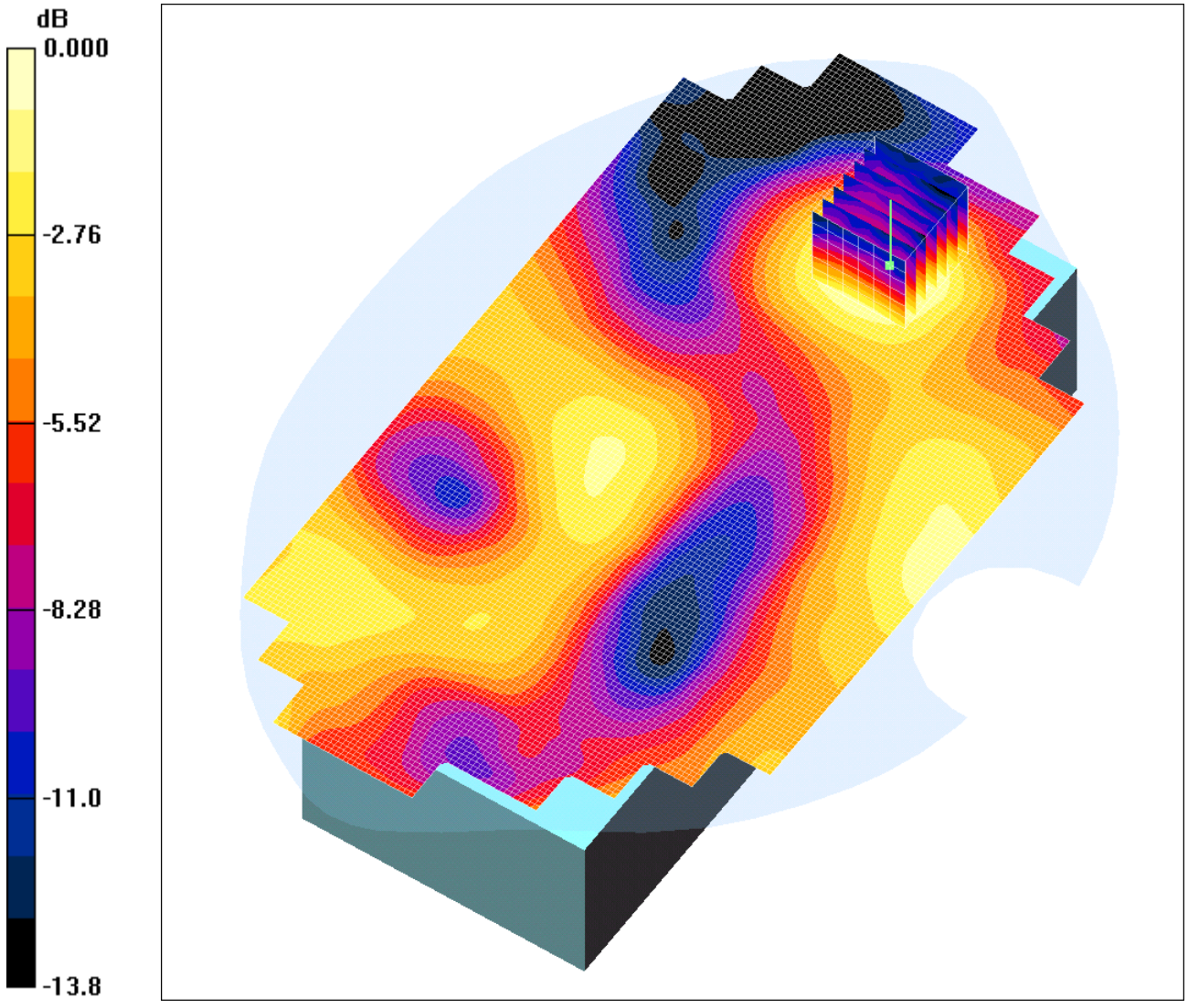
Date: 05/06/2006

48332_JD01_002

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_002_EUT_In_Holster_Display_Facing_Phantom_GPRS_CH660

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.017mW/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; $\sigma$ = 1.57 mho/m; $\varepsilon_r$ = 54; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT Open Display Facing Phantom With PHF - Middle/Area Scan (101x201x1):**
Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.018 mW/g

**EUT Open Display Facing Phantom With PHF - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.02 V/m; Power Drift = 0.211 dB
Peak SAR (extrapolated) = 0.023 W/kg
**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.010 mW/g**

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

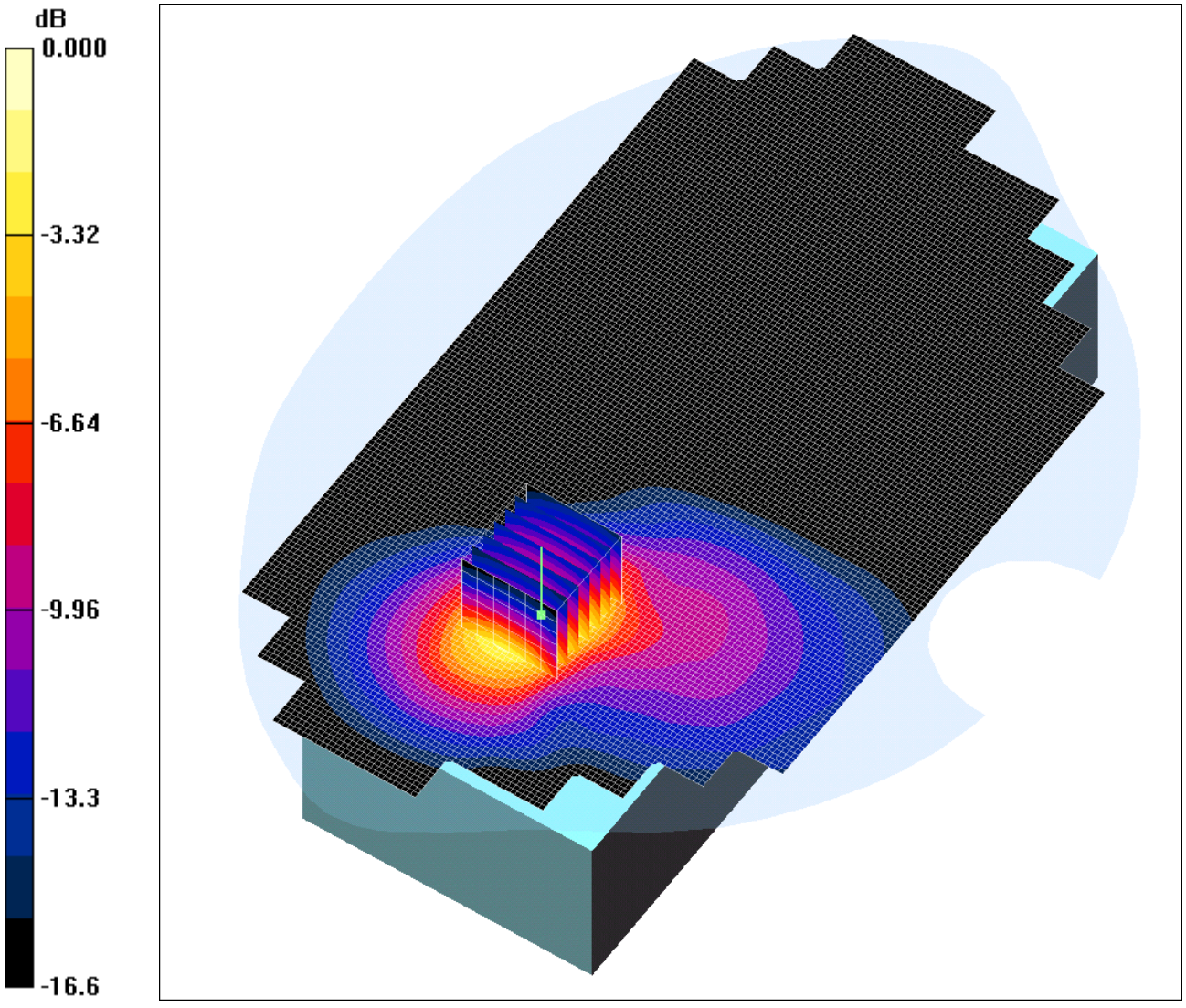
Date: 05/06/2006

48332_JD01_003

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_003_EUT_With_Belt_Clip_Rear_Facing_Phantom_GPRS_CH660

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 1.35mW/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; $\sigma$ = 1.57 mho/m; $\varepsilon_r$ = 54; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT With Belt Clip Rear Facing Phantom - Middle/Area Scan (101x201x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.56 mW/g

**EUT With Belt Clip Rear Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.19 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 1.95 W/kg
**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.665 mW/g**

Maximum value of SAR (measured) = 1.35 mW/g

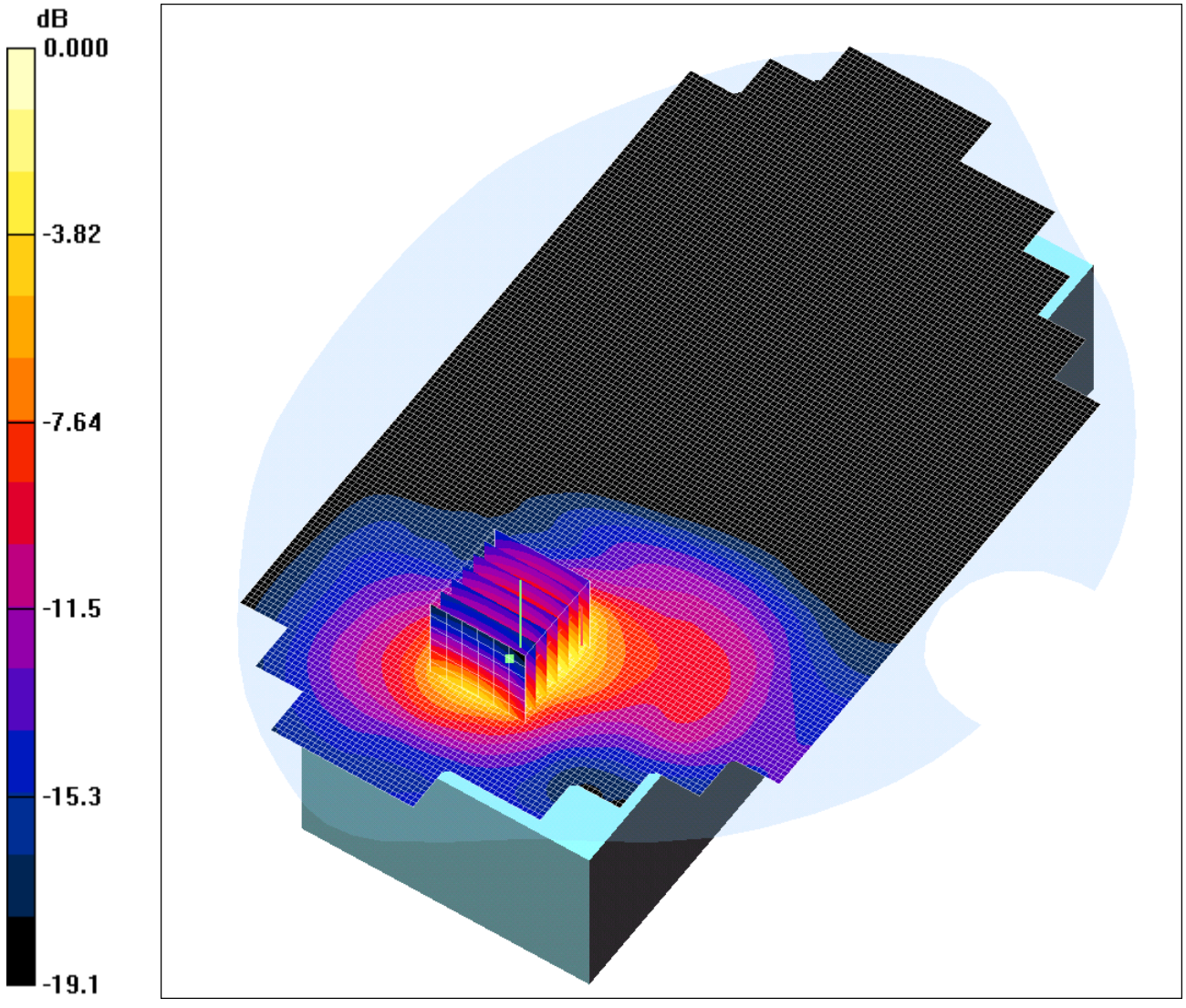
Date: 05/06/2006

48332_JD01_004

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_004_EUT_With_Belt_Clip_And_PHF_Rear_Facing_Phantom_GPRS_CH660

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 1.35mW/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; $\sigma$ = 1.57 mho/m; $\varepsilon_r$ = 54; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT With Belt Clip & PHFRear Facing Phantom - Middle/Area Scan (101x201x1):**
Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.60 mW/g

**EUT With Belt Clip & PHFRear Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.15 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 1.94 W/kg
**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.687 mW/g**

Maximum value of SAR (measured) = 1.35 mW/g

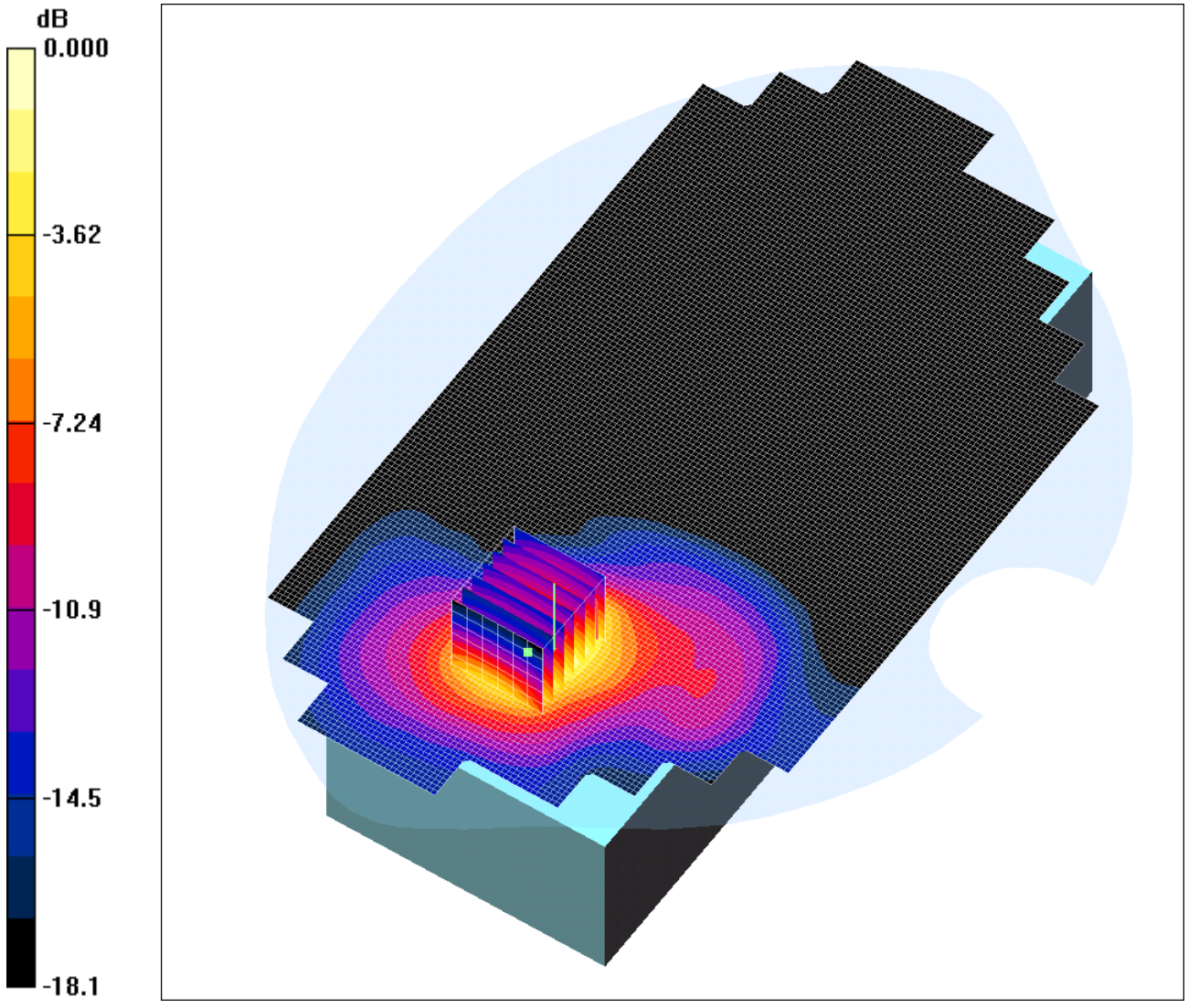
Date: 05/06/2006

48332_JD01_005

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_005_EUT_With_Belt_Clip_And_PHF_Rear_Facing_Phantom_GPRS_CH512

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 1.47mW/g

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1850.2 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.1; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT With Belt Clip & PHFRear Facing Phantom - Low/Area Scan (101x201x1):**
Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.68 mW/g

**EUT With Belt Clip & PHFRear Facing Phantom - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.06 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 2.12 W/kg
**SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.763 mW/g**

Maximum value of SAR (measured) = 1.47 mW/g

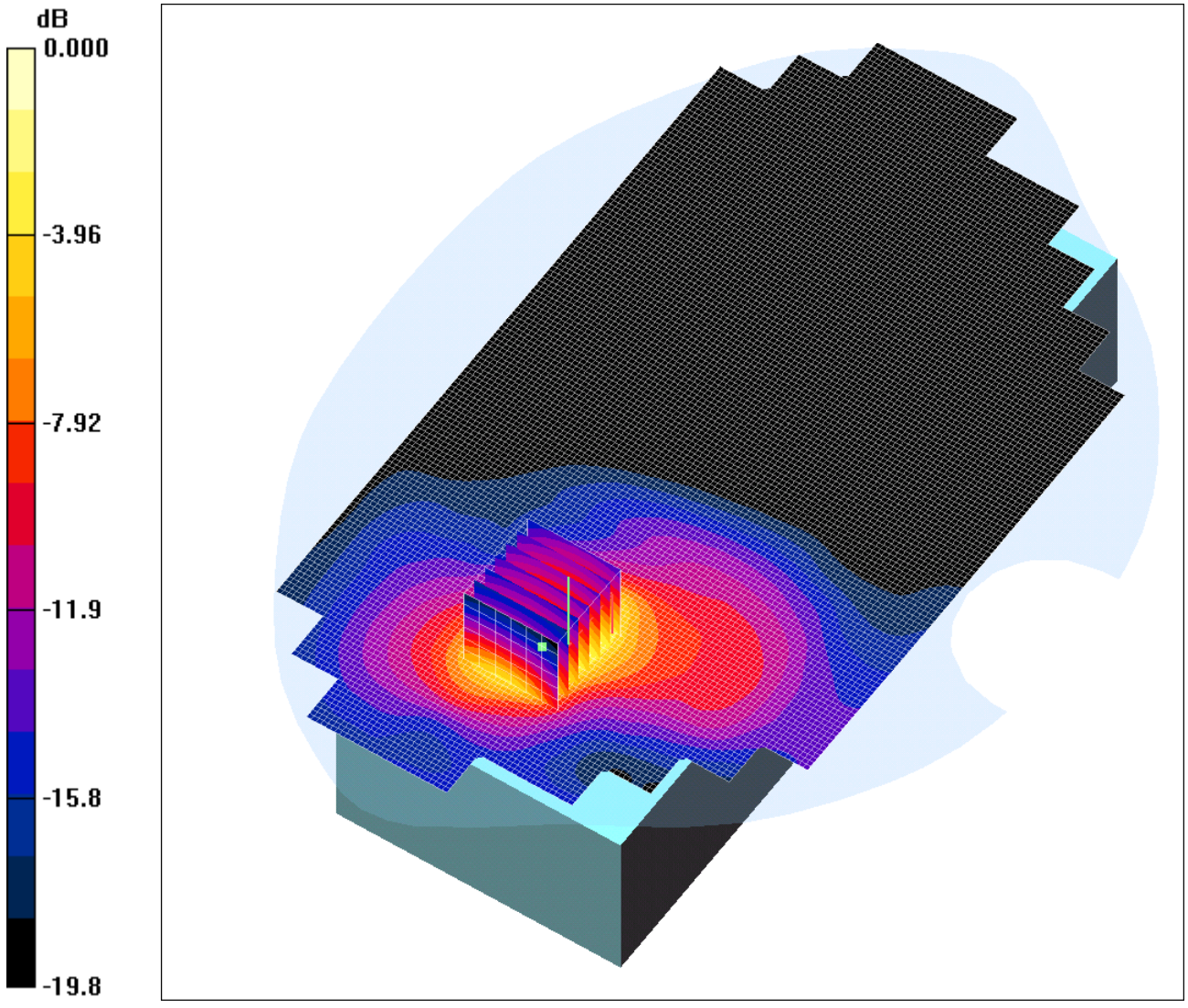
Date: 05/06/2006

48332_JD01_006

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_006_EUT_With_Belt_Clip_And_PHF_Rear_Facing_Phantom_GPRS_CH810

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 1.24mW/g

Communication System: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1909.8 MHz; $\sigma$ = 1.6 mho/m; $\varepsilon_r$ = 53.9; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT With Belt Clip & PHFRear Facing Phantom - High/Area Scan (101x201x1):**
Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.42 mW/g

**EUT With Belt Clip & PHFRear Facing Phantom - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.02 V/m; Power Drift = 0.124 dB
Peak SAR (extrapolated) = 1.84 W/kg
**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.619 mW/g**

Maximum value of SAR (measured) = 1.24 mW/g

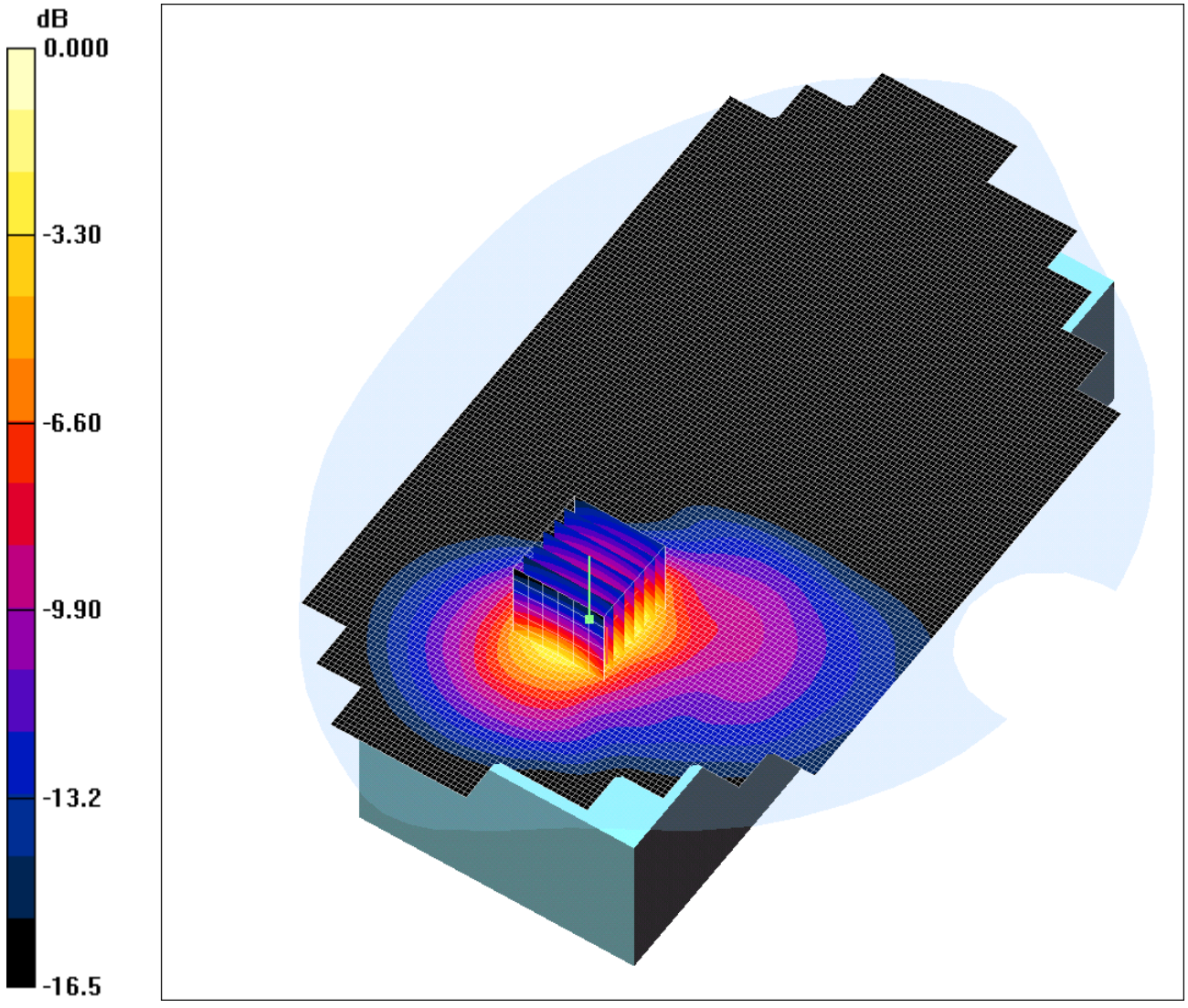
Date: 05/06/2006

48332_JD01_007

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_007_EUT_With_Belt_Clip_Rear_Facing_Phantom_GPRS_CH512

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 1.44mW/g

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1850.2 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.1; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT With Belt Clip Rear Facing Phantom PHF - Low/Area Scan (101x201x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.65 mW/g

**EUT With Belt Clip Rear Facing Phantom PHF - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.23 V/m; Power Drift = -0.073 dB
Peak SAR (extrapolated) = 2.10 W/kg
**SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.735 mW/g**

Maximum value of SAR (measured) = 1.44 mW/g

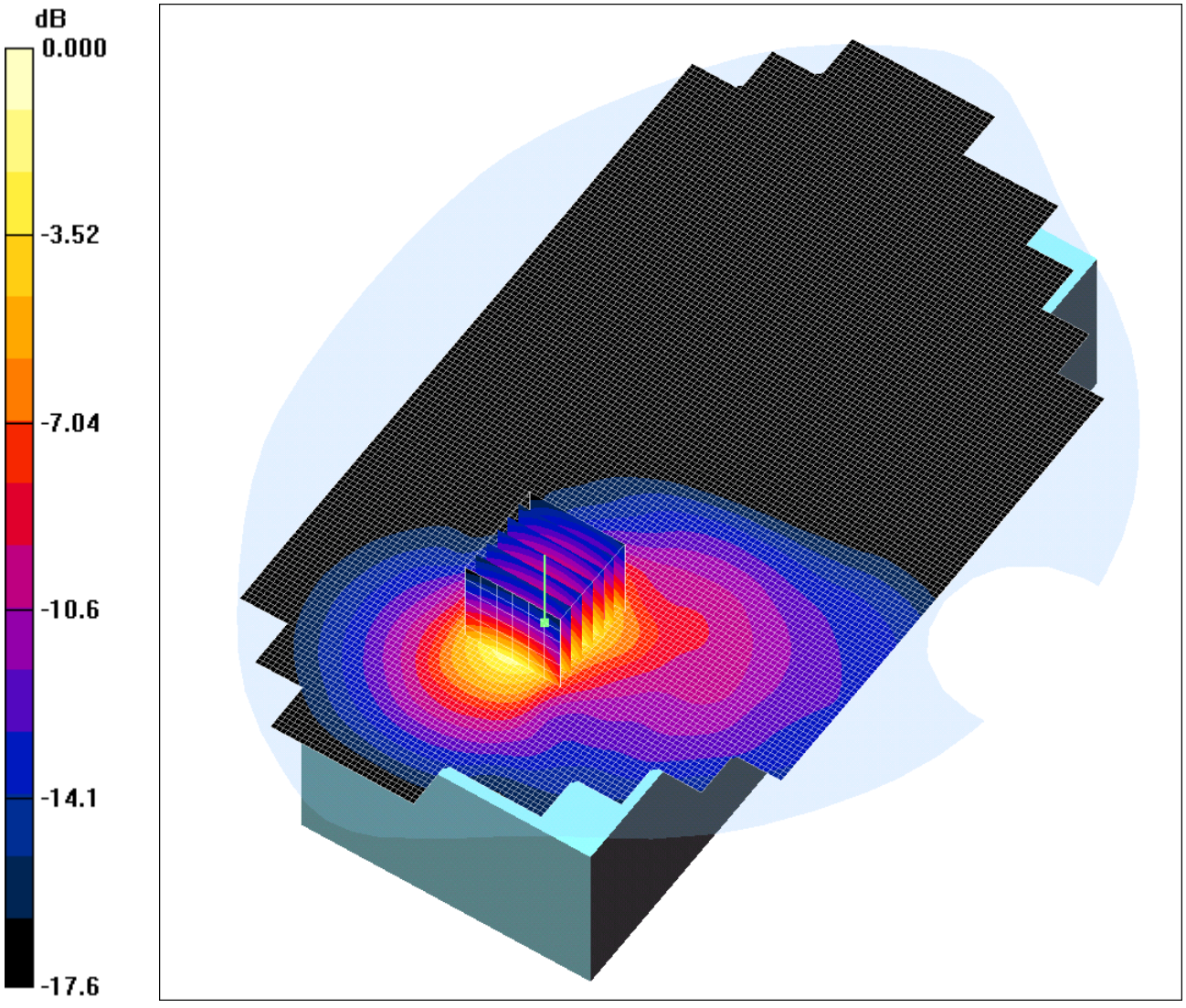
Date: 05/06/2006

48332_JD01_008

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_008_EUT_With_Belt_Clip_Rear_Facing_Phantom_GPRS_CH810

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 1.21mW/g

Communication System: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1909.8 MHz; $\sigma$ = 1.6 mho/m; $\varepsilon_r$ = 53.9; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

## EUT With Belt Clip Rear Facing Phantom PHF - High/Area Scan (101x201x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.38 mW/g

## EUT With Belt Clip Rear Facing Phantom PHF - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.10 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 1.76 W/kg
**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.595 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g

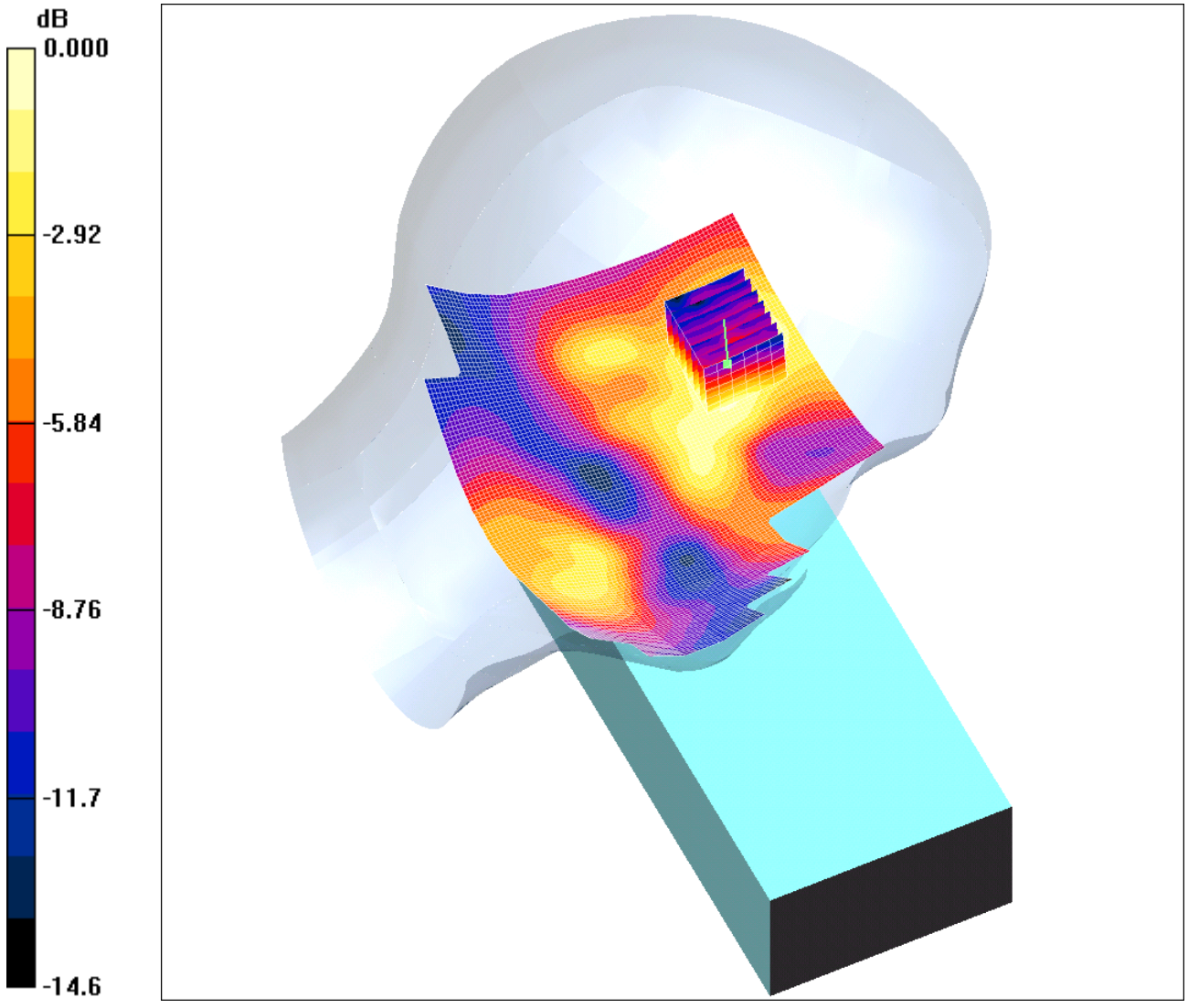
Date: 06/06/2006

48332_JD01_009

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_009_Touch_Left_CH660

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.014mW/g

Communication System: DCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; $\sigma$ = 1.42 mho/m; $\varepsilon_r$ = 39.5; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.03, 5.03, 5.03); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch Left - Middle/Area Scan (91x181x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.014 mW/g

**Touch Left - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.73 V/m; Power Drift = -0.181 dB
Peak SAR (extrapolated) = 0.020 W/kg
**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00819 mW/g**

Maximum value of SAR (measured) = 0.014 mW/g

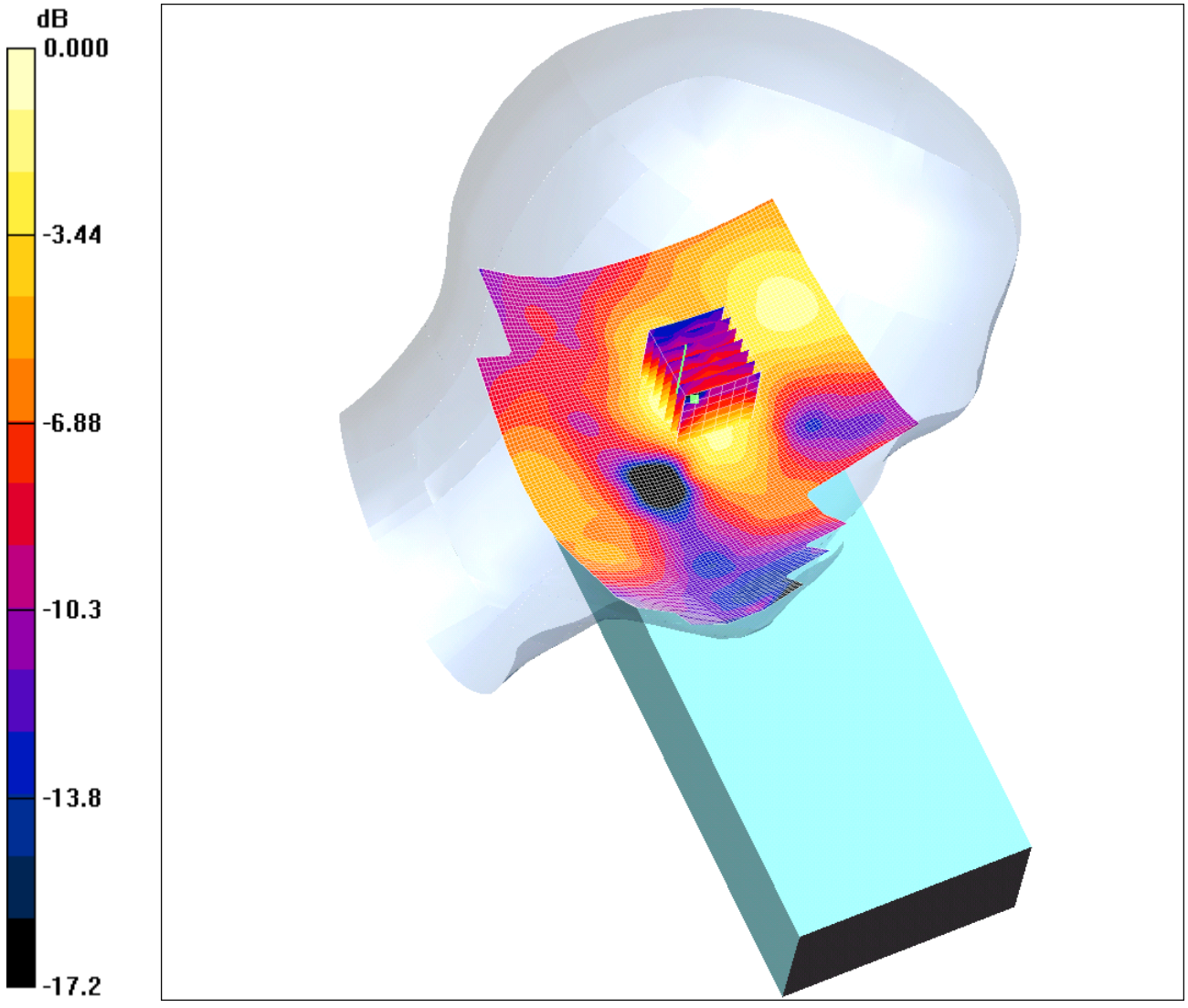
Date: 06/06/2006

48332_JD01_010

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_010_Tilt_Left_CH660

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.012mW/g

Communication System: DCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; $\sigma$ = 1.42 mho/m; $\varepsilon_r$ = 39.5; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.03, 5.03, 5.03); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Tilt Left - Middle/Area Scan (91x181x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.011 mW/g

**Tilt Left - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.99 V/m; Power Drift = -0.428 dB
Peak SAR (extrapolated) = 0.016 W/kg
**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00646 mW/g**

Maximum value of SAR (measured) = 0.012 mW/g

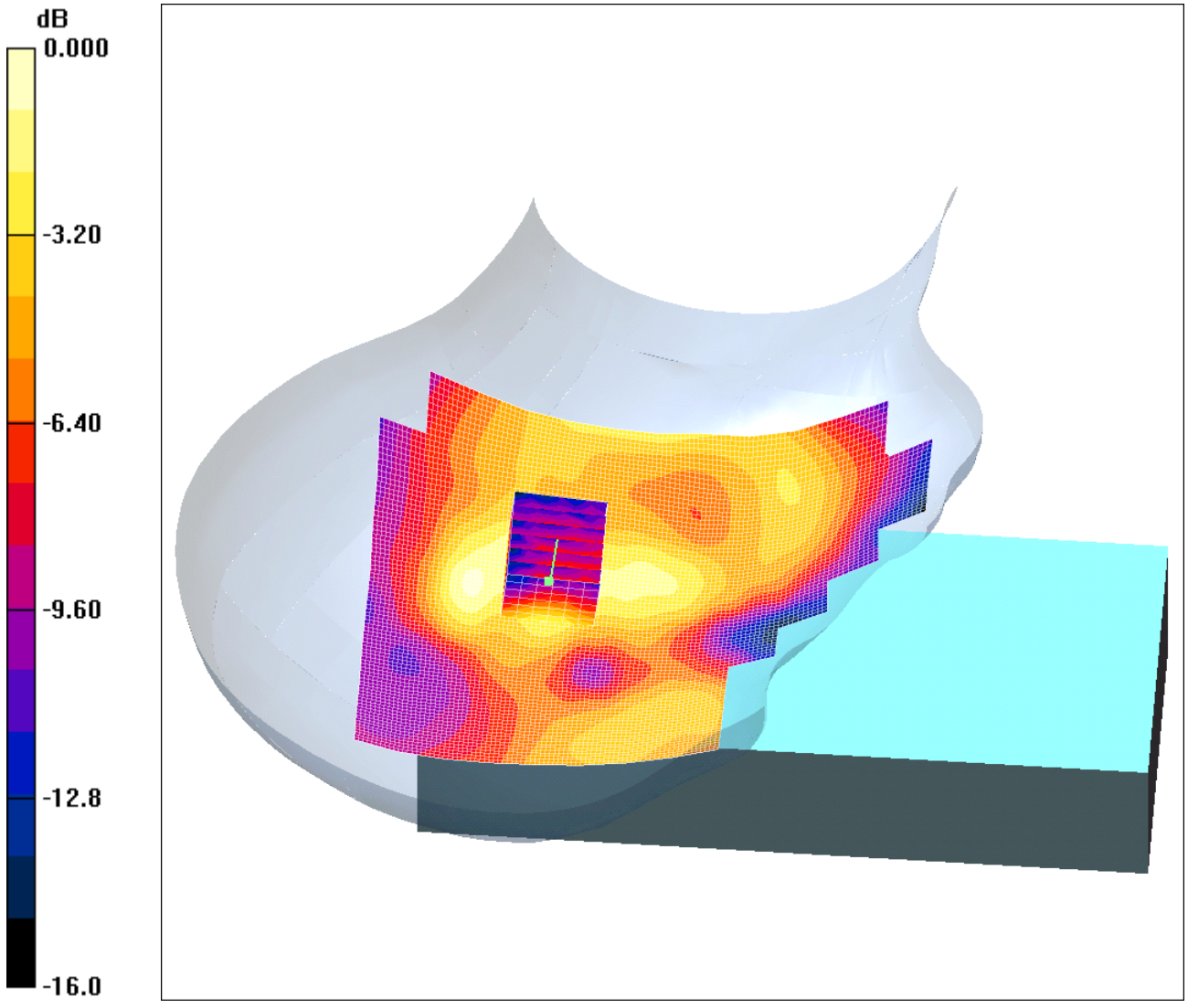
Date: 06/06/2006

48332_JD01_011

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_011_Touch_Right_CH660

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.012mW/g

Communication System: DCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; $\sigma$ = 1.42 mho/m; $\varepsilon_r$ = 39.5; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.03, 5.03, 5.03); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Tilt Right - Middle/Area Scan (91x181x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.012 mW/g

**Tilt Right - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.29 V/m; Power Drift = -0.324 dB
Peak SAR (extrapolated) = 0.015 W/kg
**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00658 mW/g**

Maximum value of SAR (measured) = 0.012 mW/g

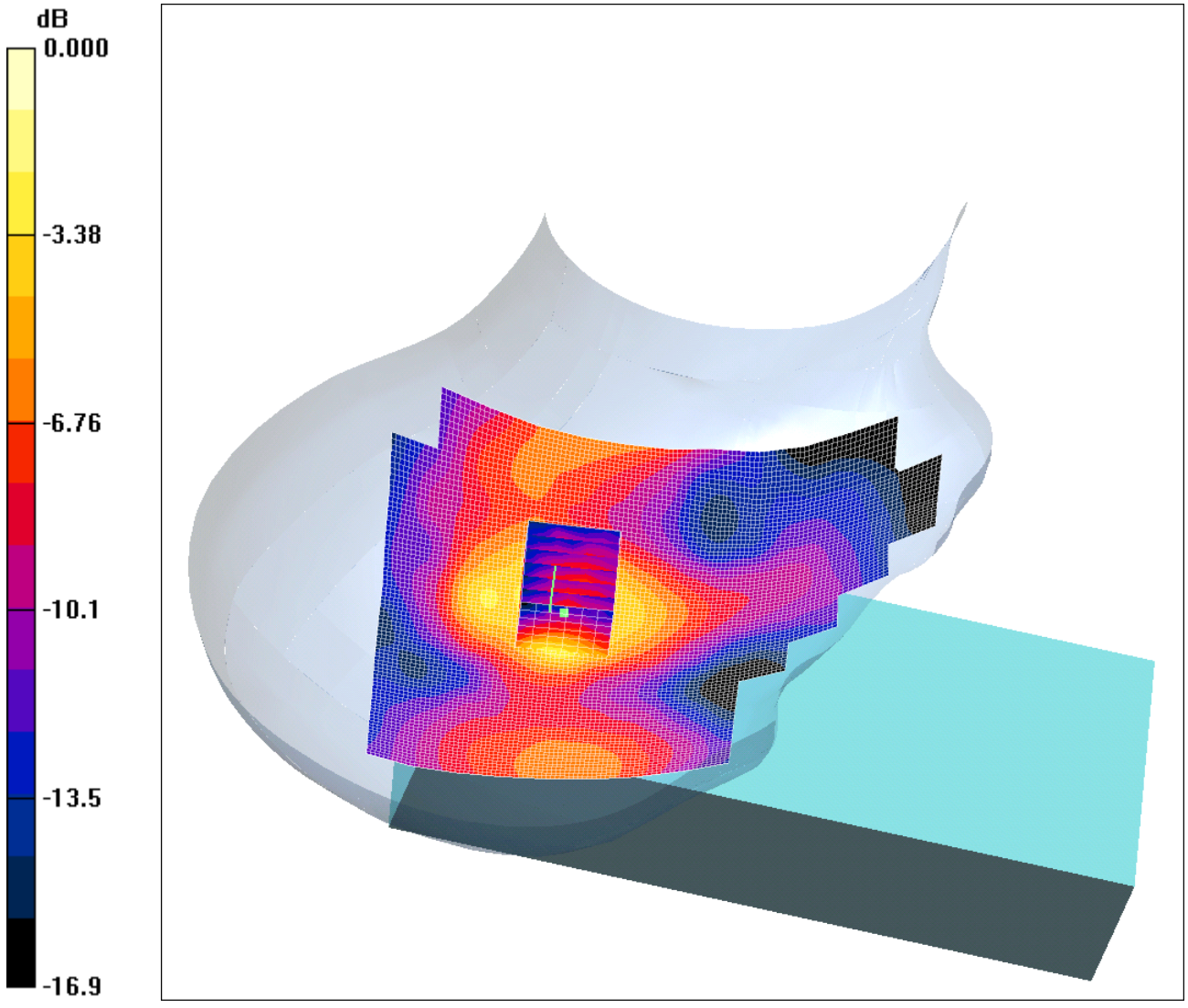
Date: 06/06/2006

48332_JD01_012

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_012_Tilt_Right_CH660

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.018mW/g

Communication System: DCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; $\sigma$ = 1.42 mho/m; $\varepsilon_r$ = 39.5; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.03, 5.03, 5.03); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Tilt Right - Middle/Area Scan (91x181x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.018 mW/g

**Tilt Right - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.52 V/m; Power Drift = -0.120 dB
Peak SAR (extrapolated) = 0.023 W/kg
**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00947 mW/g**

Maximum value of SAR (measured) = 0.018 mW/g

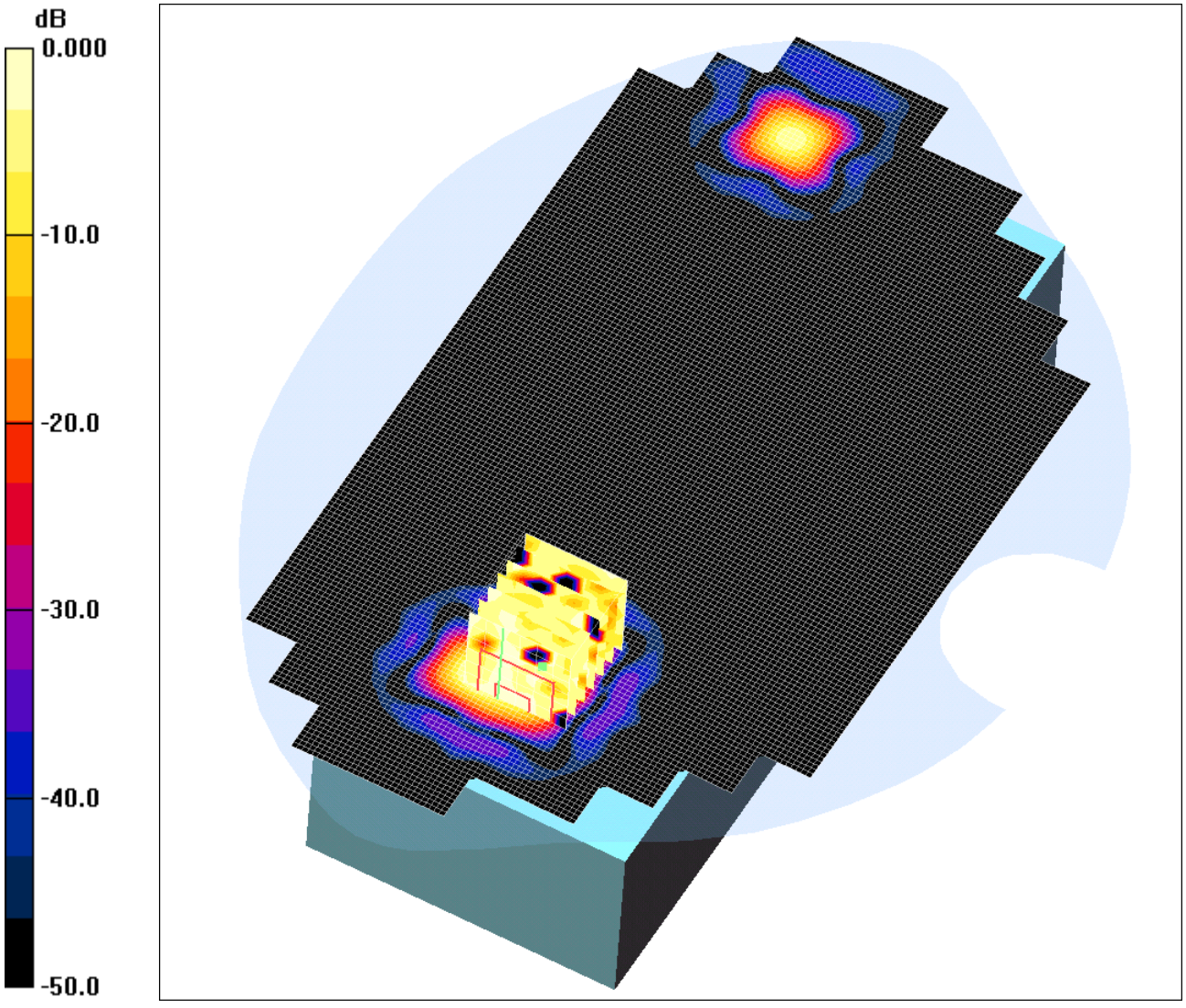
Date: 30/06/2006

48332_JD01_033

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_033_EUT_In_Holster_Rear_Facing_Phantom_WiFi

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.001mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 2.02 mho/m; $\varepsilon_r$ = 51.7; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.08, 4.08, 4.08); Calibrated: 02/09/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 19/05/2006
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT In Hoslter Rear Facing Phantom - Middle/Area Scan (101x201x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.002 mW/g

**EUT In Hoslter Rear Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.344 V/m; Power Drift = -0.313 dB
Peak SAR (extrapolated) = 0.003 W/kg
**SAR(1 g) = 0.000258 mW/g; SAR(10 g) = 4.73e-005 mW/g**

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

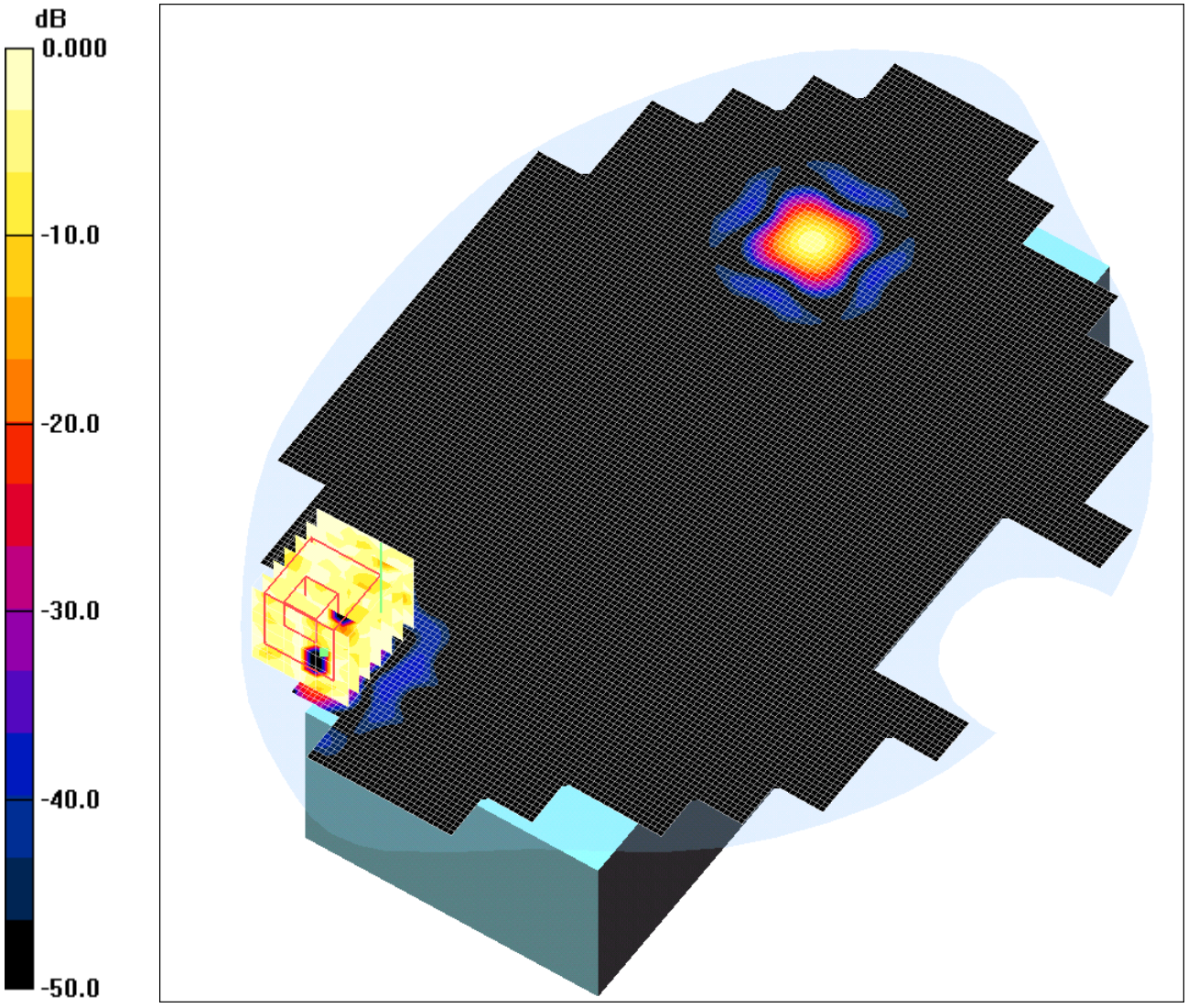
Date: 30/06/2006

48332_JD01_034

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_034_EUT_In_Holster_Display_Facing_Phantom_WiFi

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.001mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 2.02 mho/m; $\varepsilon_r$ = 51.7; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.08, 4.08, 4.08); Calibrated: 02/09/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 19/05/2006
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT In Hoslter Rear Facing Phantom - Middle/Area Scan (141x201x1):** Measurement grid: dx=15mm, dy=15mm

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

**EUT In Hoslter Rear Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.491 V/m; Power Drift = 0.354 dB
Peak SAR (extrapolated) = 0.001 W/kg
**SAR(1 g) = 1.84e-006 mW/g; SAR(10 g) = 2.04e-007 mW/g**

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

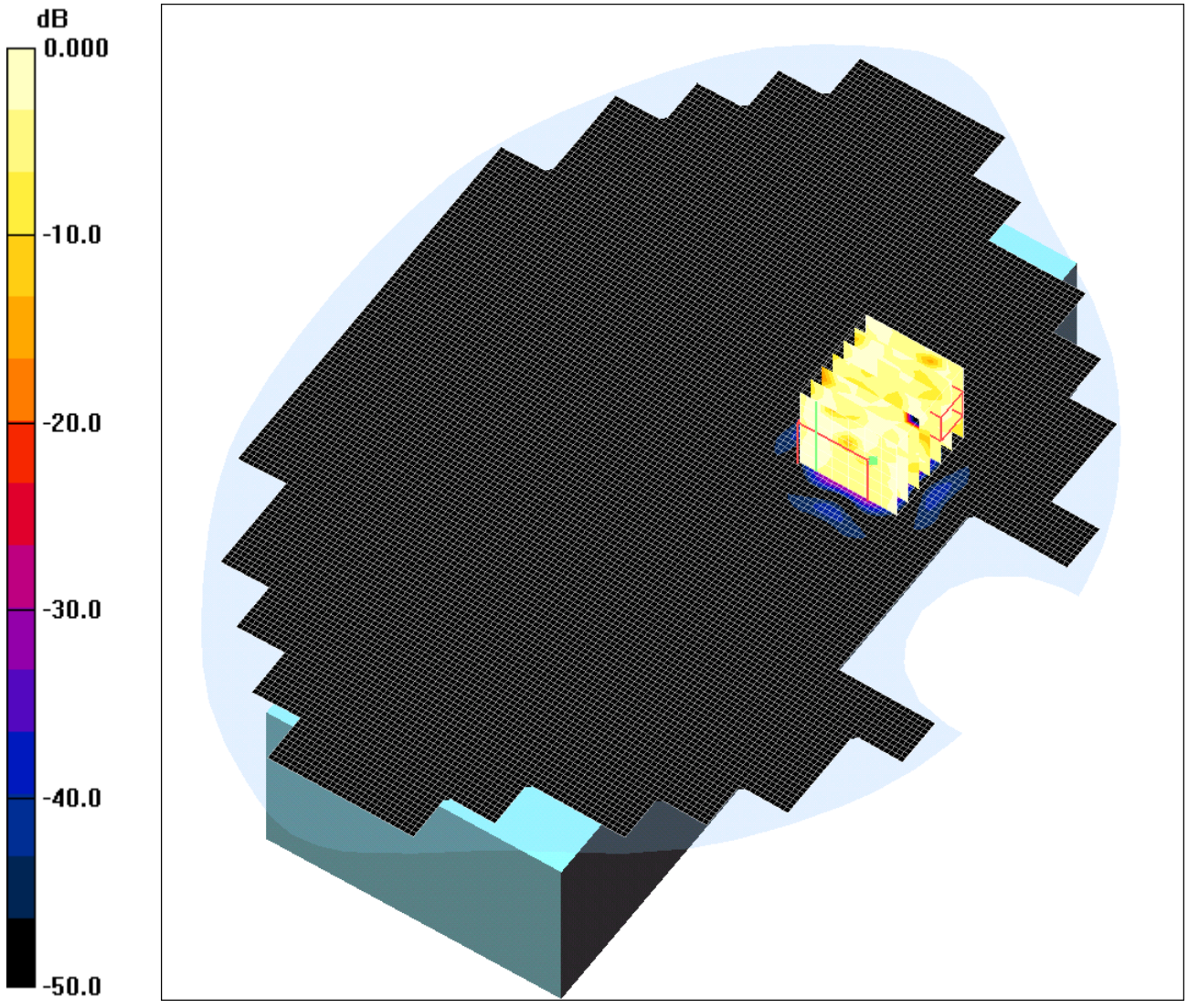
Date: 30/06/2006

48332_JD01_035

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_035_EUT_With_Belt_Clip_Rear_Facing_Phantom_WiFi

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.001mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 2.02 mho/m; $\varepsilon_r$ = 51.7; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.08, 4.08, 4.08); Calibrated: 02/09/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 19/05/2006
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT with Belt Clip Rear Facing Phantom - Middle/Area Scan (141x201x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.000 mW/g

**EUT with Belt Clip Rear Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.487 V/m; Power Drift = 0.160 dB
Peak SAR (extrapolated) = 0.001 W/kg
**SAR(1 g) = 1.03e-005 mW/g; SAR(10 g) = 1.17e-006 mW/g**

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

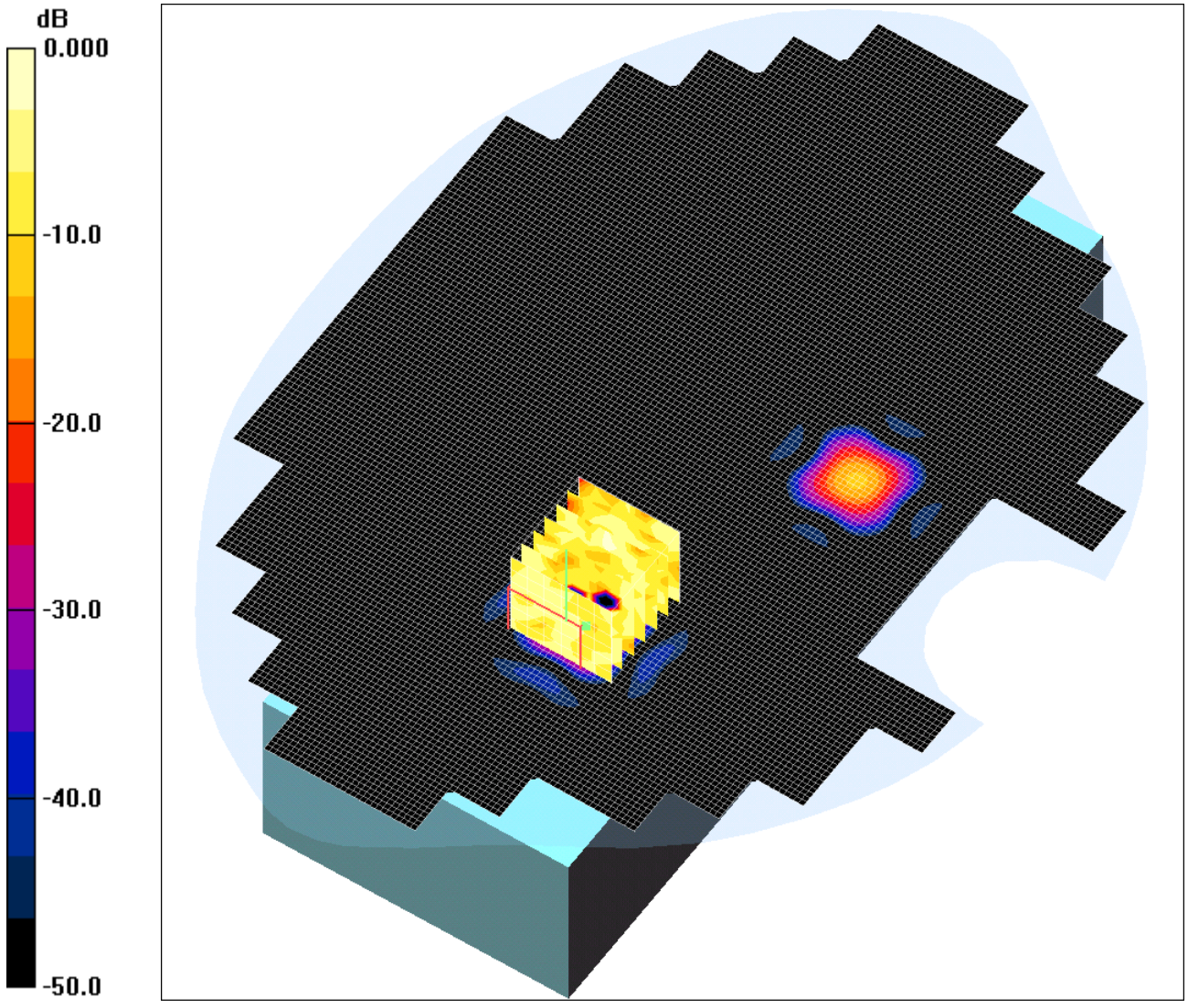
Date: 30/06/2006

48332_JD01_036

Test Laboratory: RFI GLOBAL SERVICES LTD.

## 48332_JD01_036_EUT_With_Belt_Clip_And_PHF_Rear_Facing_Phantom_WiFi

**DUT: DATALOGIC; Type: KYMAN Module; IMEI: 35202100563450**




0 dB = 0.002mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 2.02 mho/m; $\varepsilon_r$ = 51.7; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.08, 4.08, 4.08); Calibrated: 02/09/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 19/05/2006
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**EUT with Belt Clip And PHF Rear Facing Phantom - Middle/Area Scan (141x201x1):**
Measurement grid: dx=15mm, dy=15mm

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

**EUT with Belt Clip And PHF Rear Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.545 V/m; Power Drift = -0.298 dB
Peak SAR (extrapolated) = 0.006 W/kg
**SAR(1 g) = 0.00106 mW/g; SAR(10 g) = 0.00015 mW/g**

Maximum value of SAR (measured) = 0.002 mW/g

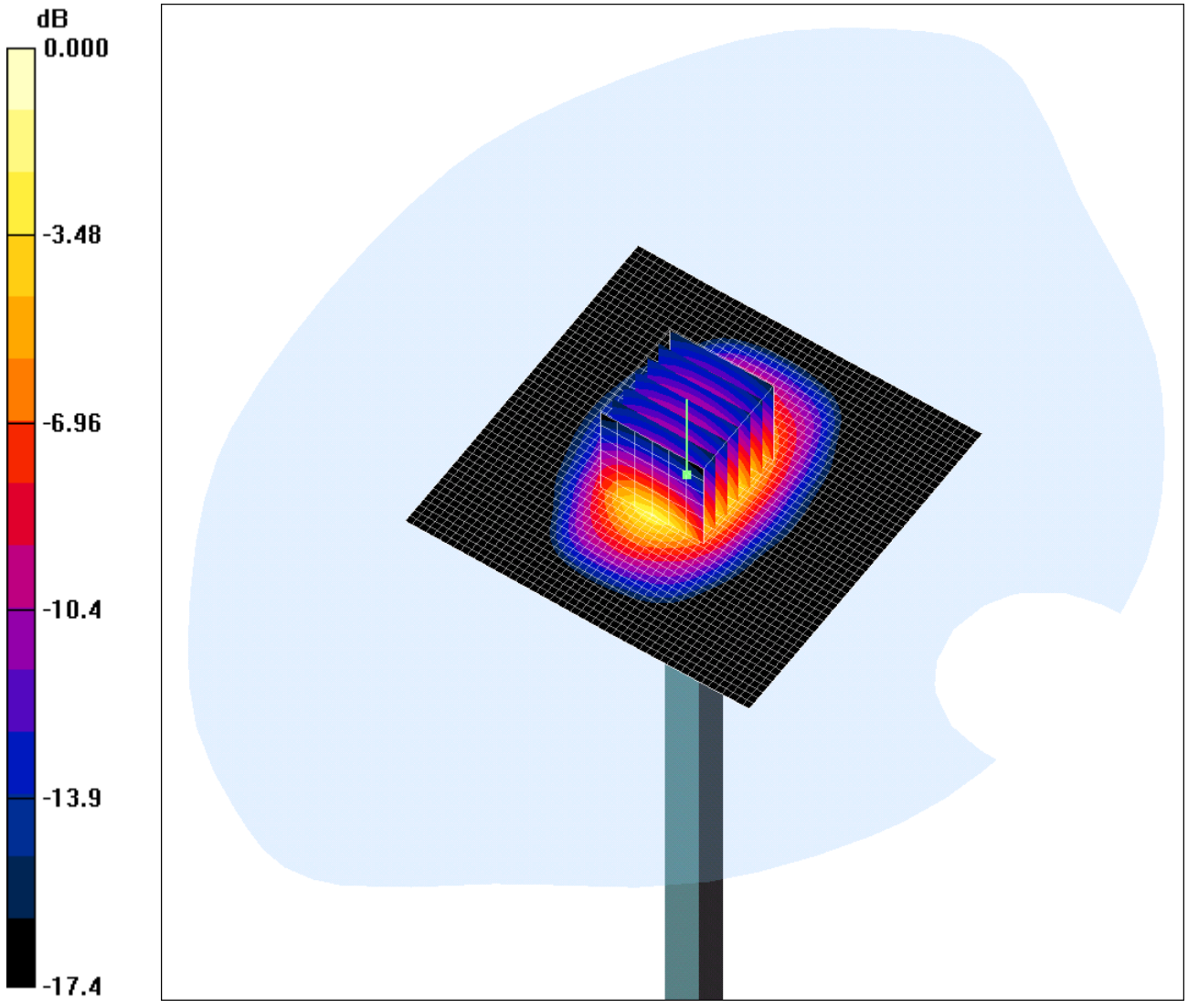
Date: 05/06/2006

48332_JD01_Validation_001

Test Laboratory: RFI GLOBAL SERVICES LTD.

## System Performance Check-D1900 05 06 06

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




0 dB = 11.5mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; $\sigma$ = 1.59 mho/m; $\varepsilon_r$ = 53.9; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.49, 4.49, 4.49); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=15mm, Pin=250mW 2/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.9 mW/g

**d=15mm, Pin=250mW 2/Zoom Scan 7x7x7 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.3 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 17.3 W/kg
**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.31 mW/g**
Maximum value of SAR (measured) = 11.5 mW/g

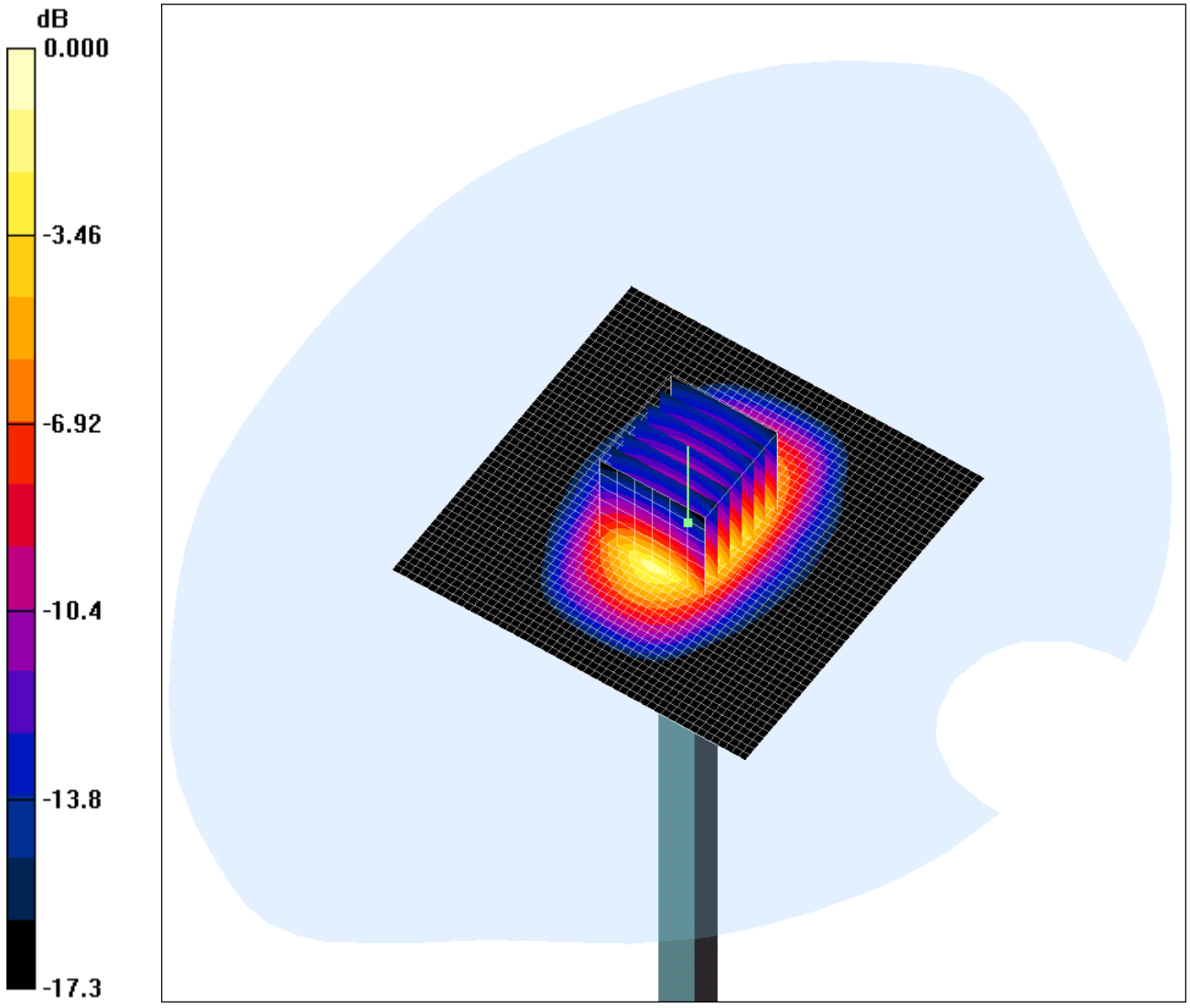
Date: 06/06/2006

48332_JD01_Validation_002

Test Laboratory: RFI GLOBAL SERVICES LTD.

## System Performance Check-D1900 06 06 06

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




0 dB = 10.7mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; $\sigma$ = 1.44 mho/m; $\varepsilon_r$ = 39.5; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(5.03, 5.03, 5.03); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 10/06/2005
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=15mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 15.2 mW/g

**d=15mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.8 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 16.1 W/kg
**SAR(1 g) = 9.46 mW/g; SAR(10 g) = 5 mW/g**
Maximum value of SAR (measured) = 10.7 mW/g

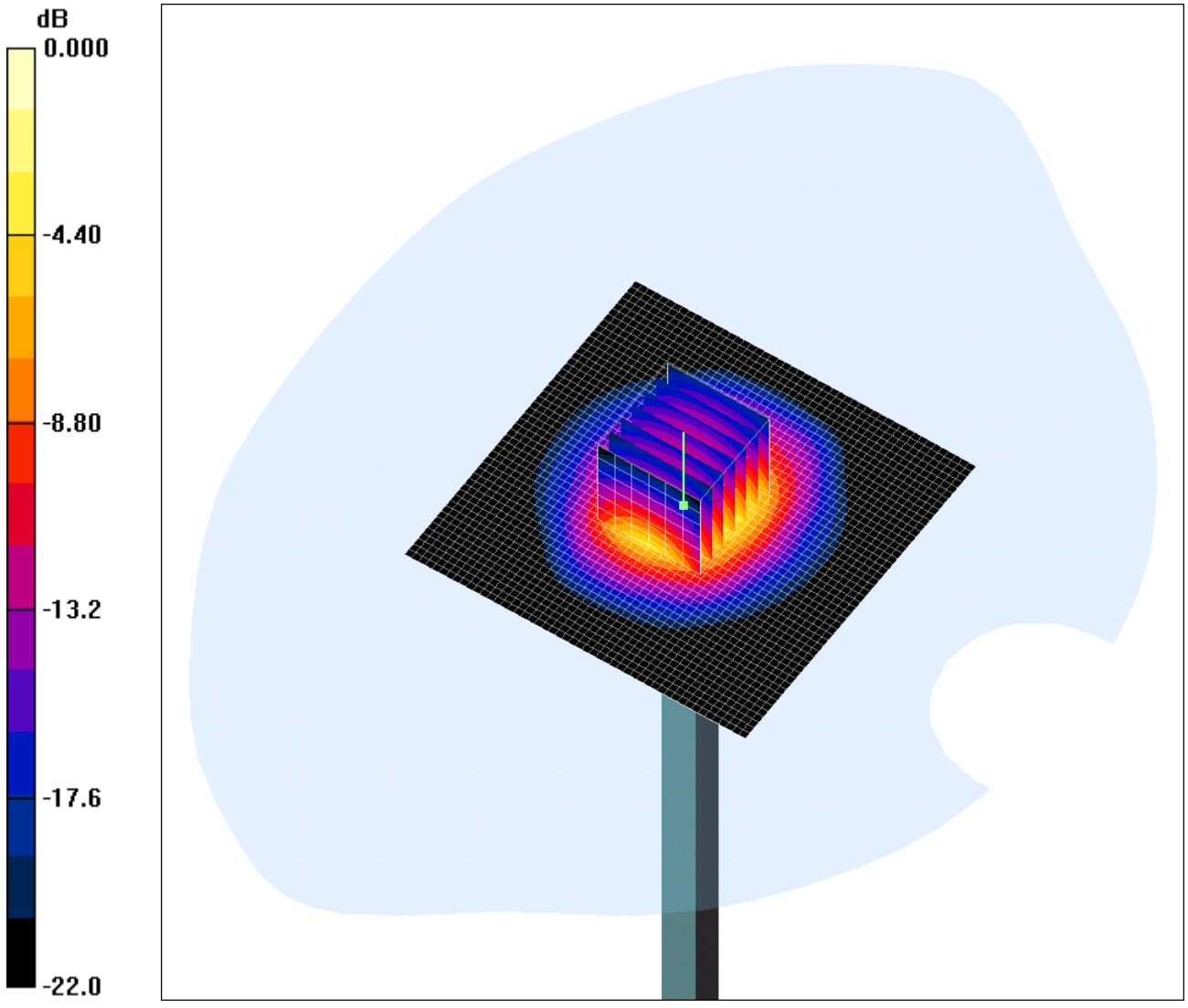
Date: 29/06/2006

48332_JD01_Validation_006

Test Laboratory: RFI GLOBAL SERVICES LTD.

## System Performance Check_29_06_06

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




0 dB = 14.3mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used: f = 2450 MHz; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 51.6; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1528; ConvF(4.34, 4.34, 4.34); Calibrated: 13/07/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 19/05/2006
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=10mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 19.1 mW/g

**d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.8 V/m; Power Drift = 0.079 dB
Peak SAR (extrapolated) = 28.9 W/kg
**SAR(1 g) = 12.9 mW/g; SAR(10 g) = 5.96 mW/g**
Maximum value of SAR (measured) = 14.3 mW/g

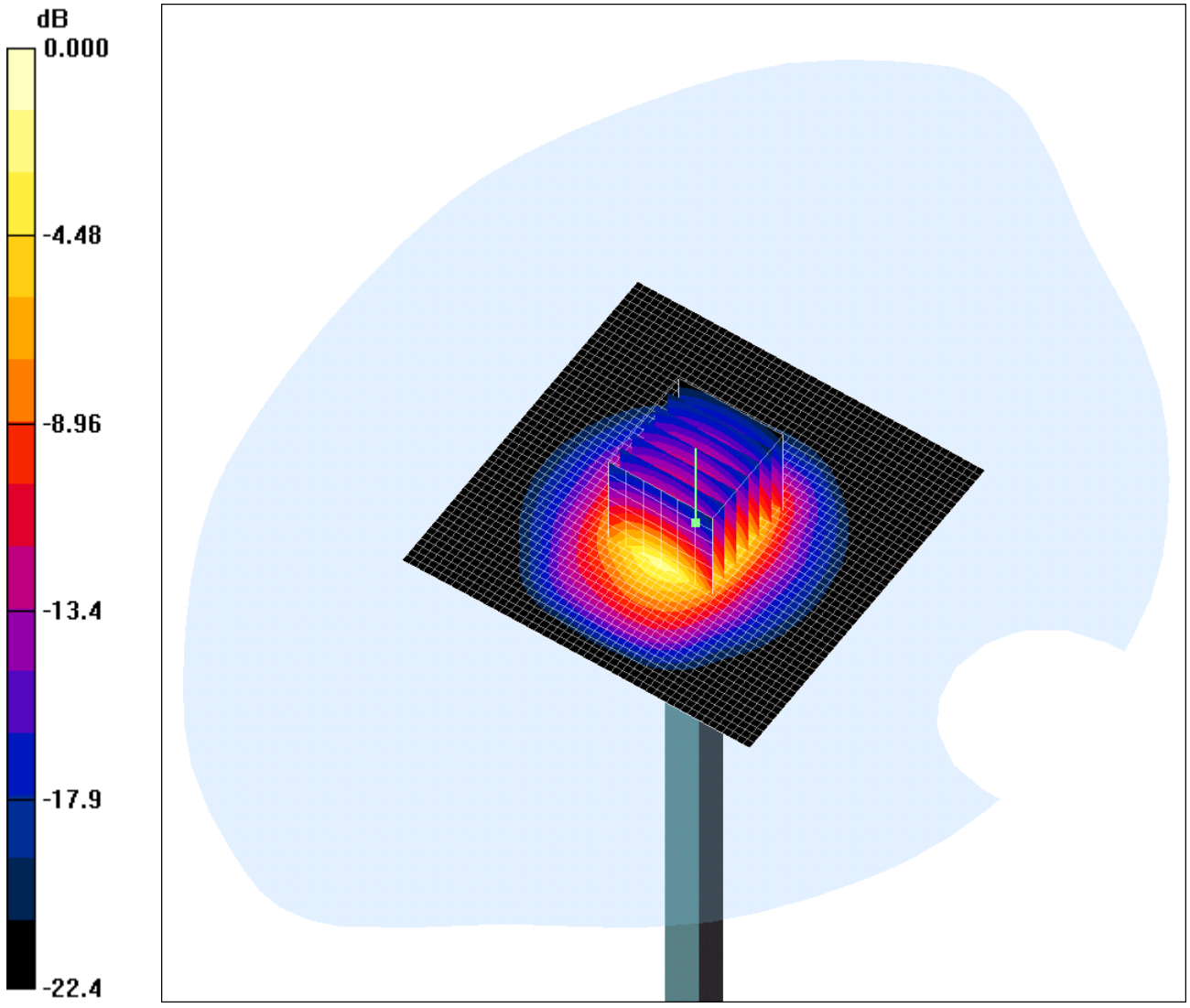
Date: 30/06/2006

48332_JD01_Validation_007

Test Laboratory: RFI GLOBAL SERVICES LTD.

## System Performance Check_30_06_06

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




0 dB = 15.2mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used: f = 2450 MHz; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 51.6; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1529; ConvF(4.08, 4.08, 4.08); Calibrated: 02/09/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 19/05/2006
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=10mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 16.9 mW/g

**d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.3 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 31.6 W/kg
**SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.31 mW/g**
Maximum value of SAR (measured) = 15.2 mW/g

## Appendix 3. Test Configuration Photograph

This appendix contains the following photograph(s):

| Photograph Reference Number | Title |
|---|---|
| PHT/SAR Configuration | Test configuration for the measurement of Specific Absorption Rate (SAR) |

**Test Of:** Datalogic S.p.A.
KYMAN Module
**To:** OET Bulletin 65 Supplement C: (2001-01)

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## PHT/SAR Configuration