



SAR DISTRIBUTION SCANS

Test Of: Microcell Ltd.
C62 Mobile Telephone Handset with Camera, Headset PTT
and Case Accessories

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

Test Report Serial No.:
RFI/EMCB1/45006_Distribution Scans

RADIO FREQUENCY INVESTIGATION LTD.

Operations Department

TEST REPORT

Distribution Scans

RFI/EMCB1/45006_Distribution Scans

Test Of: Microcell Ltd.

C62 Mobile Telephone Handset

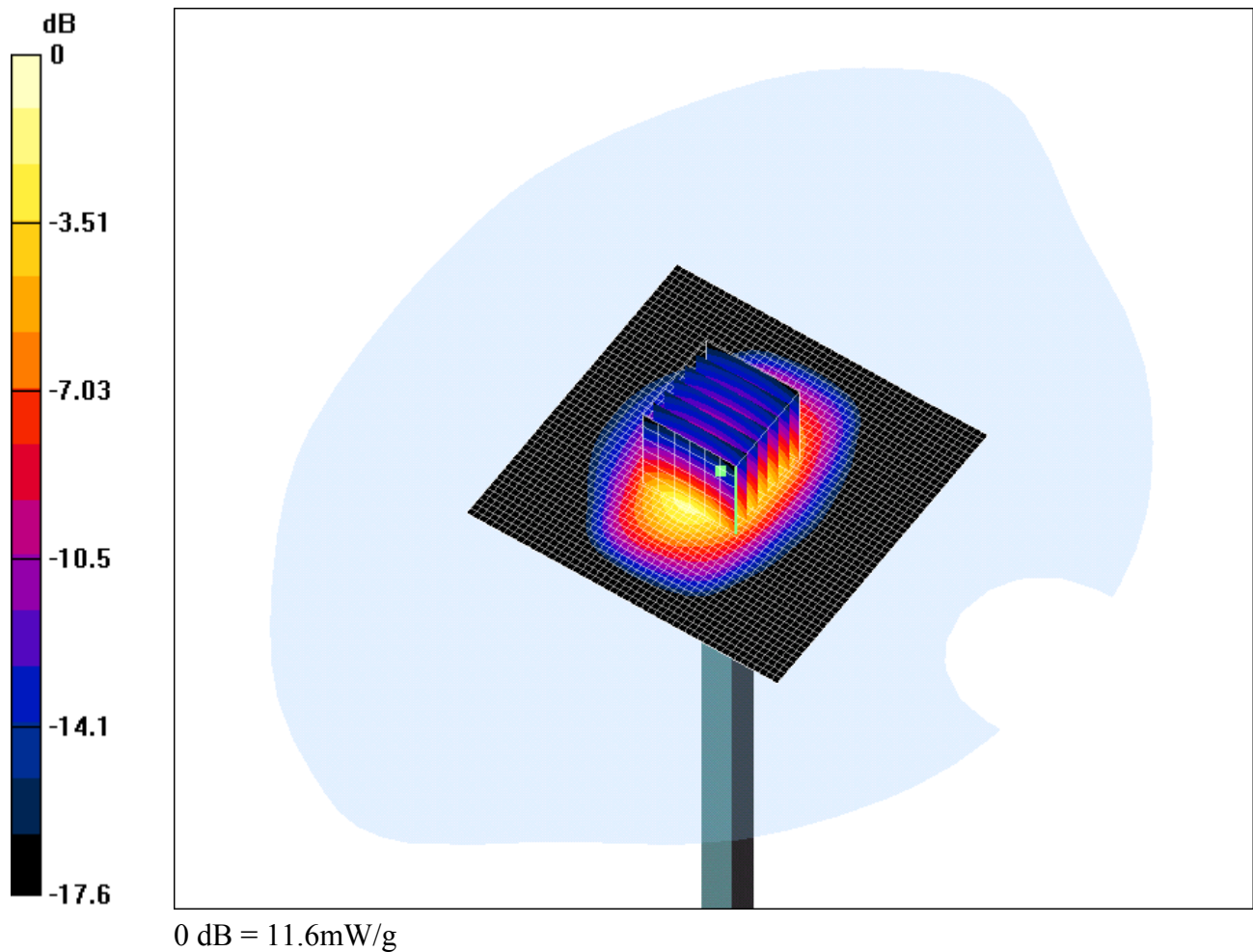
To: OET Bulletin 65 Supplement C: (2001-01)

SAR Distribution Scans

This document contains the SAR Distribution scans relating to RFI test report Serial No.:
RFI/EMCB1/RP45006JD14A

Date: 01/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

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

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

Medium: 1900MHz HSL ($\sigma = 1.45904$ mho/m, $\epsilon_r = 38.0259$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003

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

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

- Electronics: DAE3 Sn450; Calibrated: 19/05/2003

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

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

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

Reference Value = 93.3 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 12.6 mW/g

d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.36 mW/g

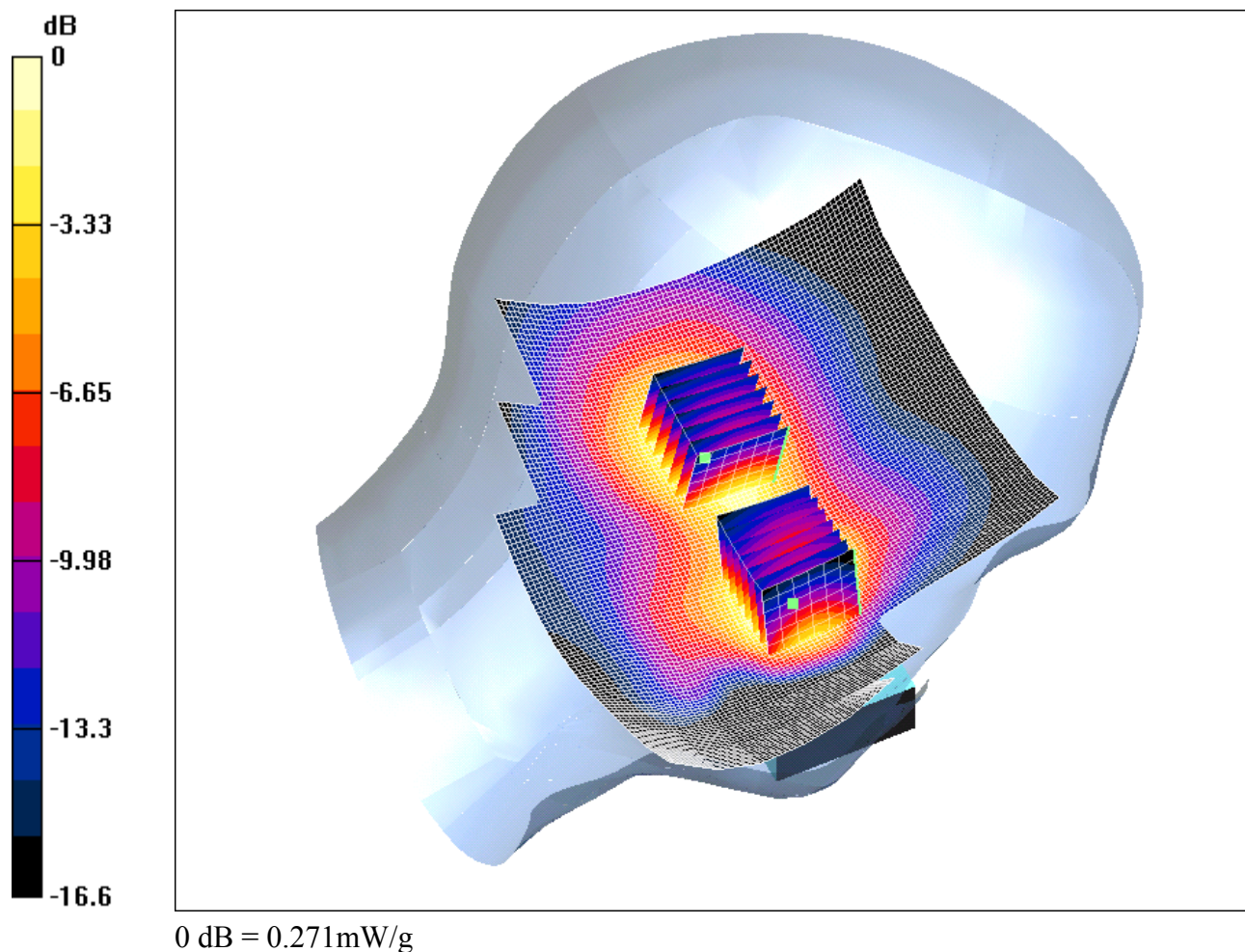
Reference Value = 93.3 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 11.6 mW/g

Date: 01/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz HSL ($\sigma = 1.43769$ mho/m, $\epsilon_r = 38.1093$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Touch position - Middle/Area Scan 2 (101x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.2 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.358 mW/g

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

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.177 mW/g

Reference Value = 14.2 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.347 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.141 mW/g

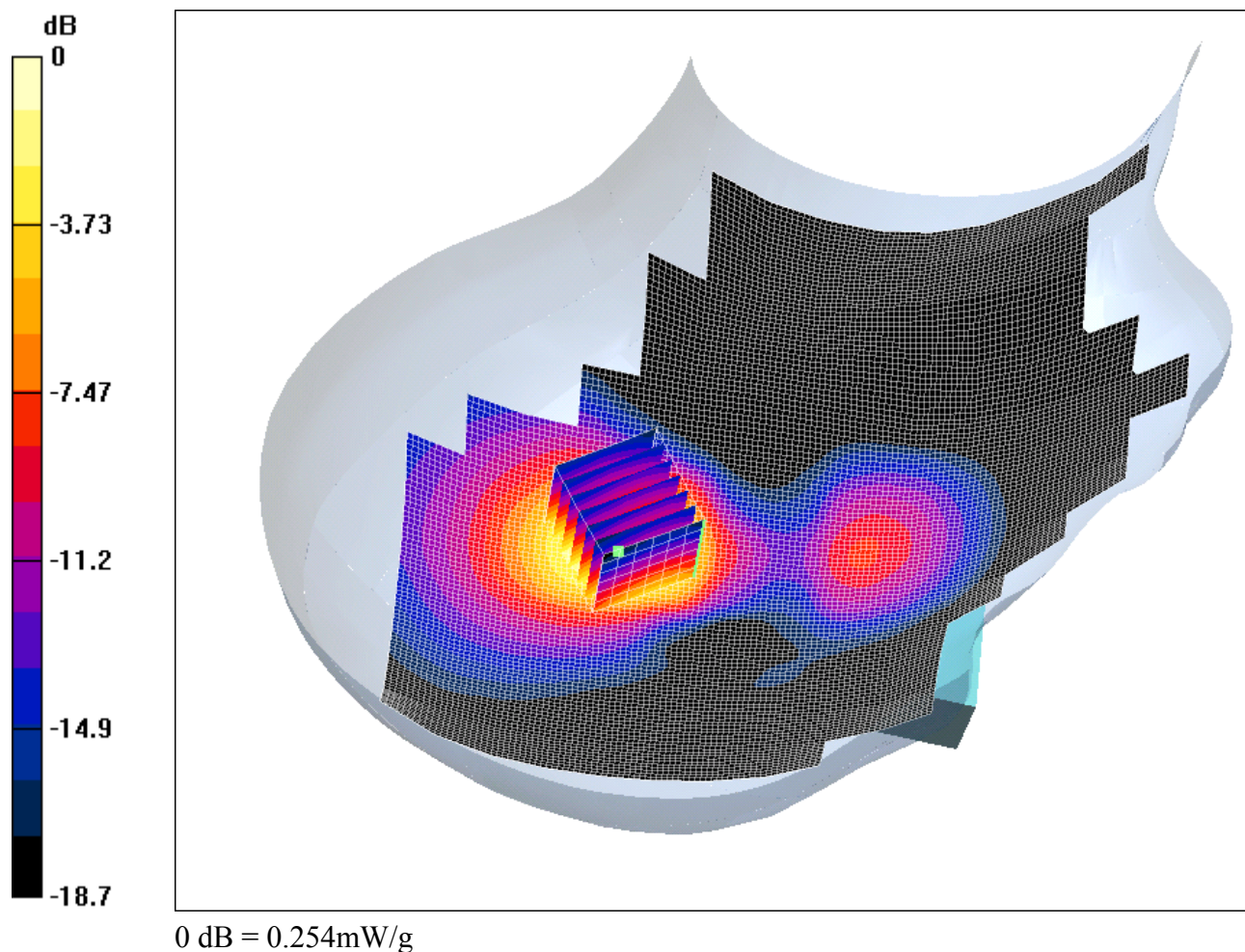
Reference Value = 14.2 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.271 mW/g

Date: 01/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz HSL ($\sigma = 1.45904$ mho/m, $\epsilon_r = 38.1259$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Worst-case - High - Tilt RHS/Area Scan 2 (131x141x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.5 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.249 mW/g

Worst-case - High - Tilt RHS/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.119 mW/g

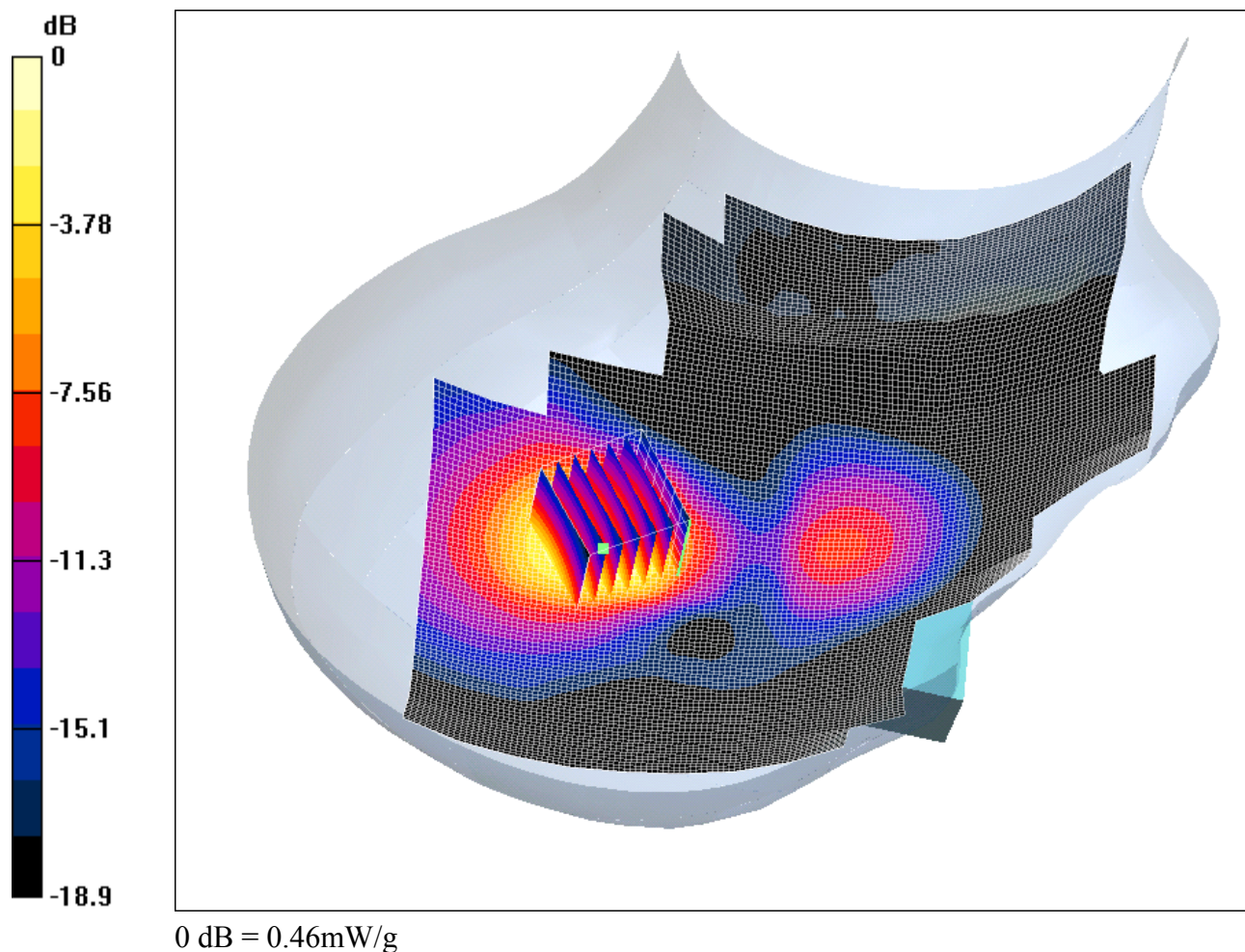
Reference Value = 11.5 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.254 mW/g

Date: 01/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz HSL ($\sigma = 1.43769$ mho/m, $\epsilon_r = 38.1093$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Tilt position - Middle/Area Scan 2 (131x131x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.5 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.466 mW/g

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

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.216 mW/g

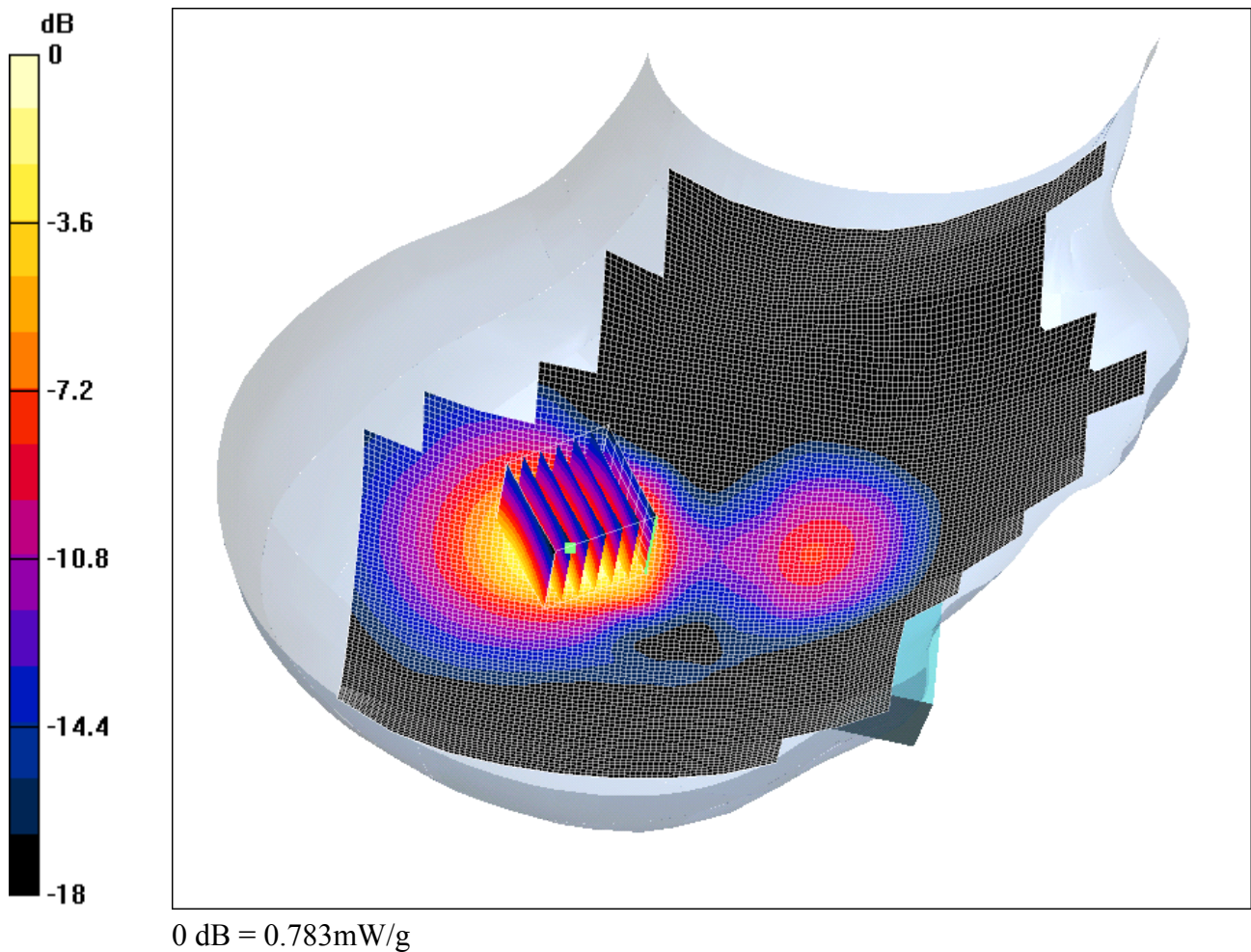
Reference Value = 14.5 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.46 mW/g

Date: 01/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz HSL ($\sigma = 1.41877$ mho/m, $\epsilon_r = 38.1961$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Worst-case - Low - Tilt RHS/Area Scan 2 (131x141x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 19.4 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.789 mW/g

Worst-case - Low - Tilt RHS/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.364 mW/g

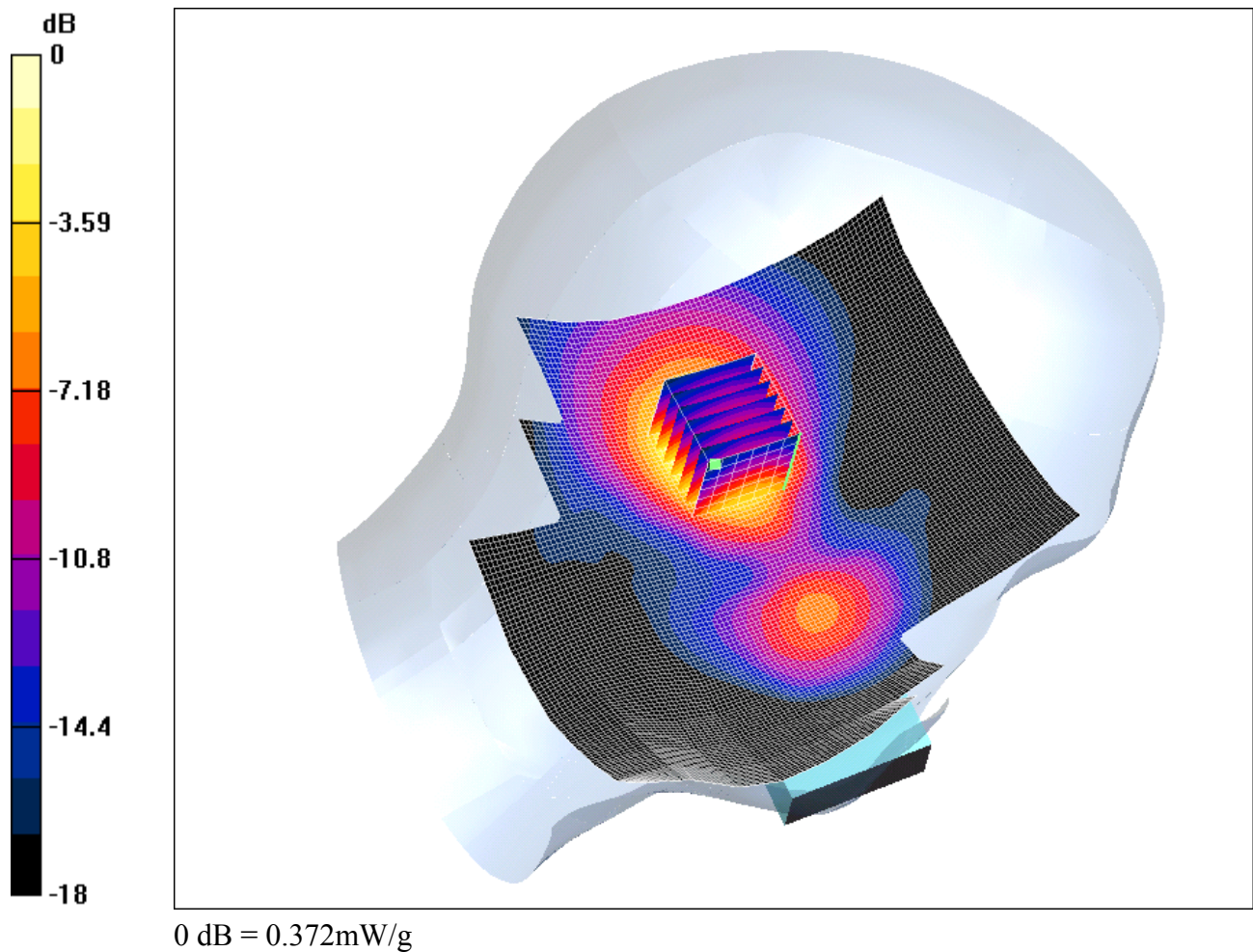
Reference Value = 19.4 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.783 mW/g

Date: 01/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz HSL ($\sigma = 1.43769$ mho/m, $\epsilon_r = 38.1093$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Tilt position - Middle/Area Scan 2 (111x121x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.9 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.388 mW/g

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

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.183 mW/g

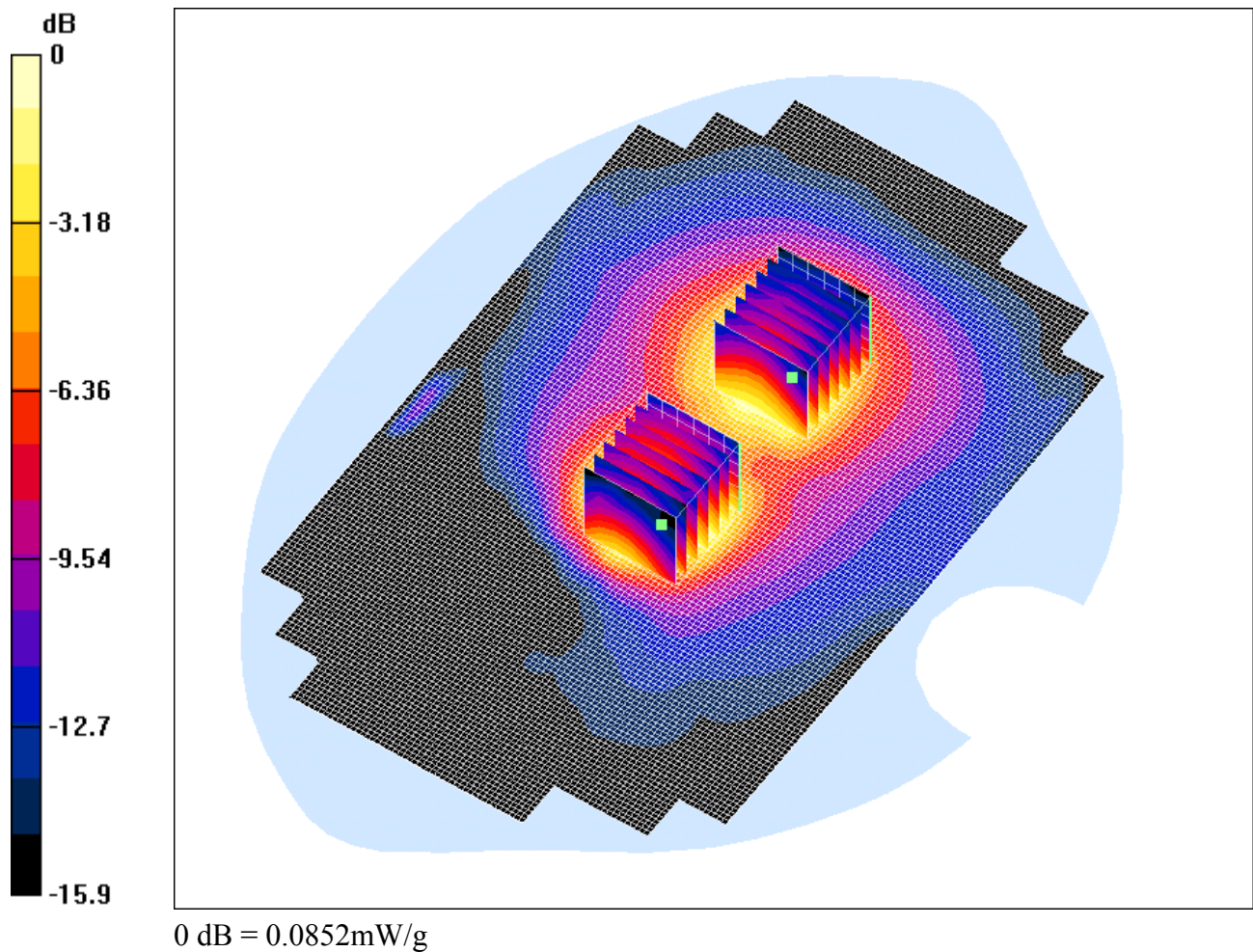
Reference Value = 14.9 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.372 mW/g

Date: 02/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.48194$ mho/m, $\epsilon_r = 50.9728$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Body Position without Camera (0mm Distance) Display facing up towards phantom/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 5.98 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.121 mW/g

Body Position without Camera (0mm Distance) Display facing up towards phantom/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.0587 mW/g

Reference Value = 5.98 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.117 mW/g

Body Position without Camera (0mm Distance) Display facing up towards phantom/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.0791 mW/g; SAR(10 g) = 0.0488 mW/g

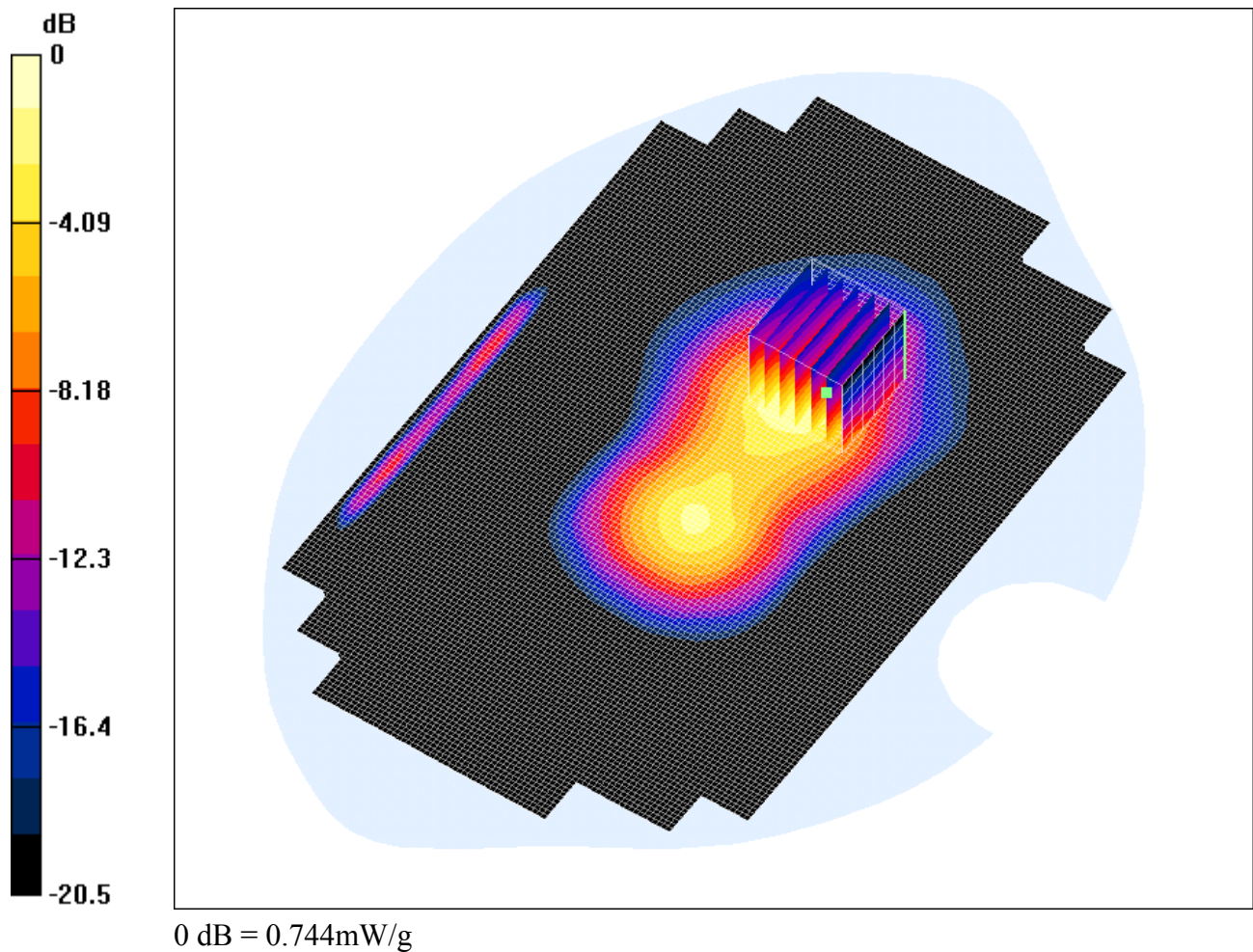
Reference Value = 5.98 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.0852 mW/g

Date: 02/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.48194$ mho/m, $\epsilon_r = 50.9728$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Body Position without Camera (0mm Distance)/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.5 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.694 mW/g

Body Position without Camera (0mm Distance)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 1.5 W/kg

SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.287 mW/g

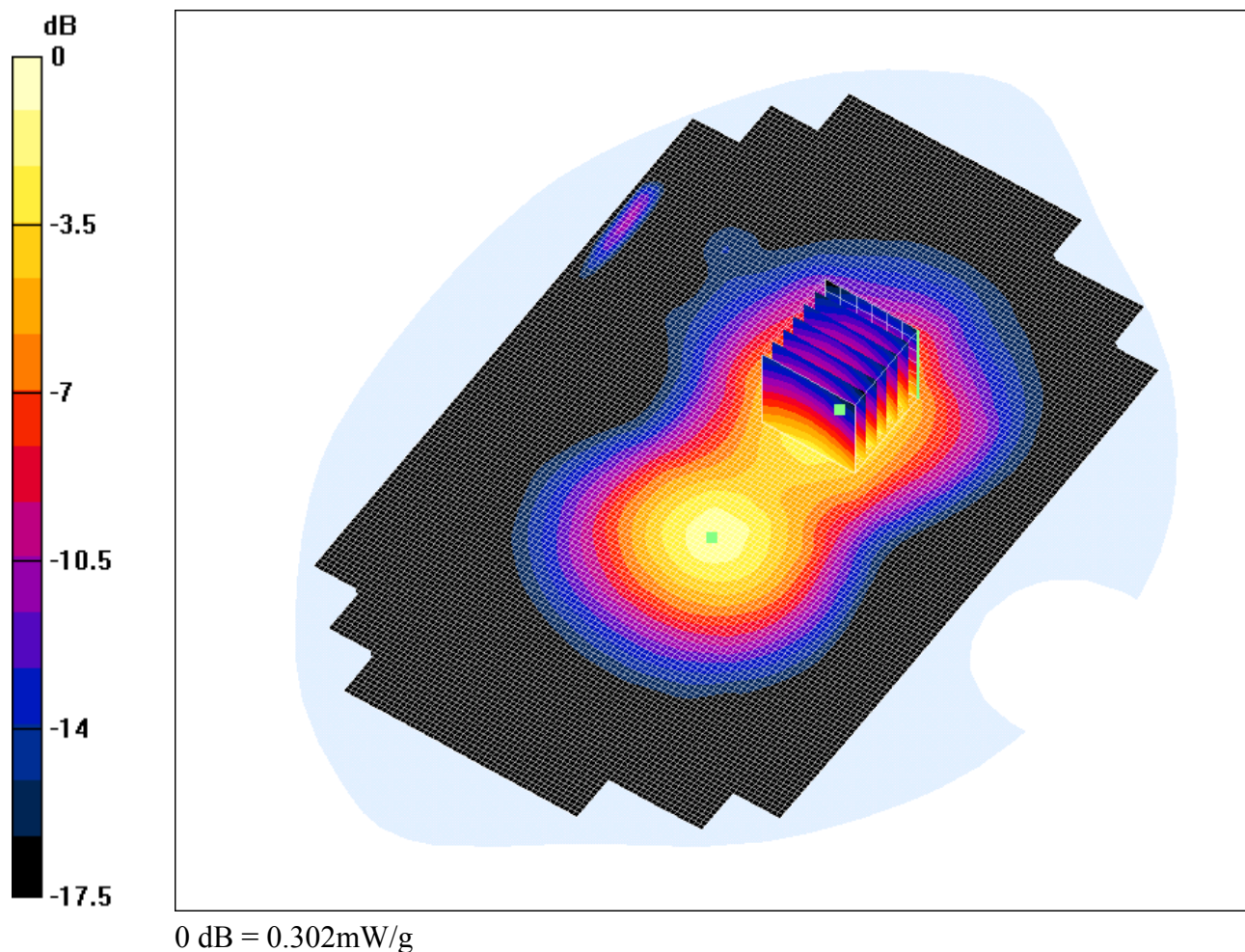
Reference Value = 14.5 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.744 mW/g

Date: 02/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.48194$ mho/m, $\epsilon_r = 50.9728$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Body Position with Tour case FCT-550/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.93 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.274 mW/g

Body Position with Tour case FCT-550/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.146 mW/g

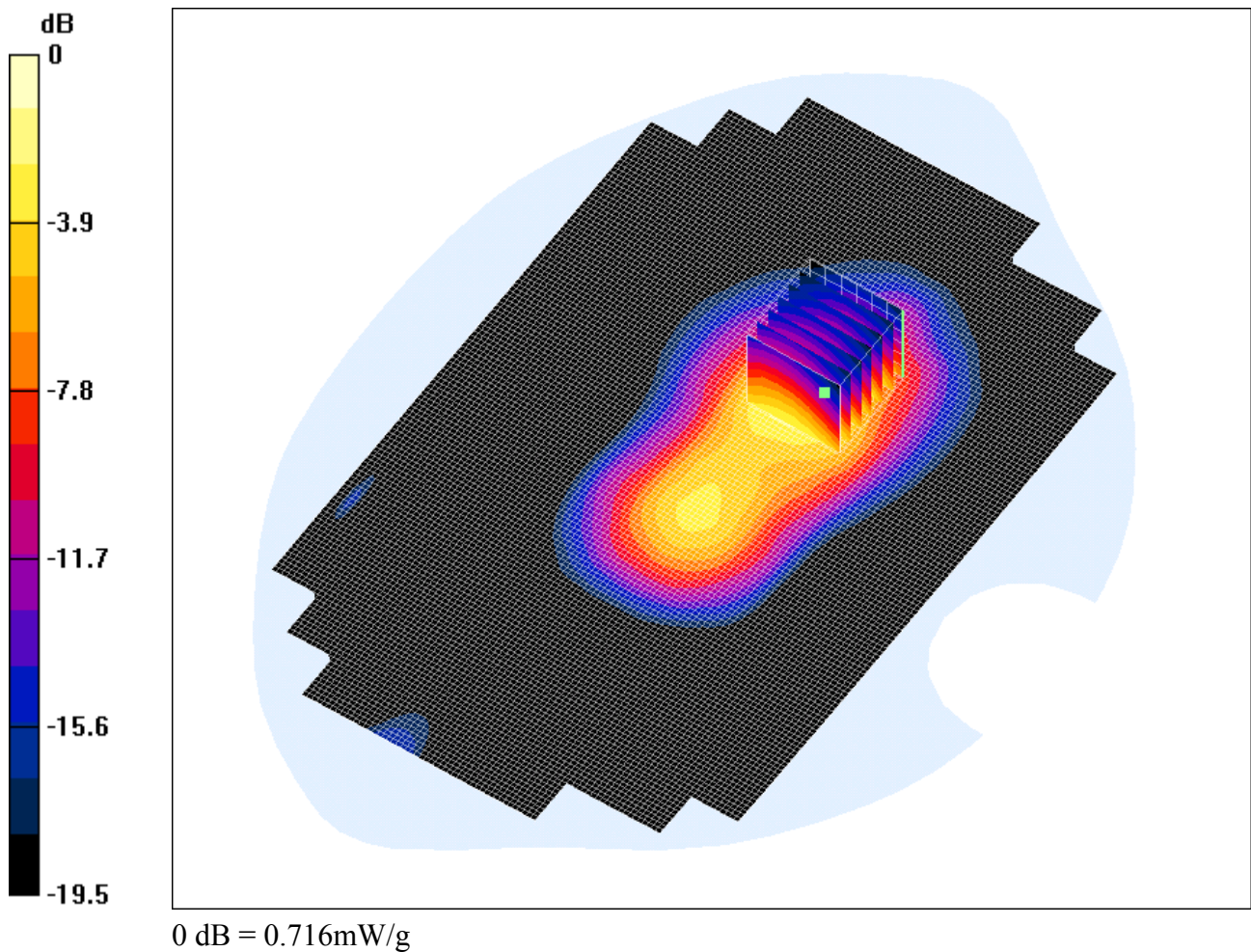
Reference Value = 8.93 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.302 mW/g

Date: 02/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.48194$ mho/m, $\epsilon_r = 50.9728$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Body Position with PHF/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.4 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.745 mW/g

Body Position with PHF/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.288 mW/g

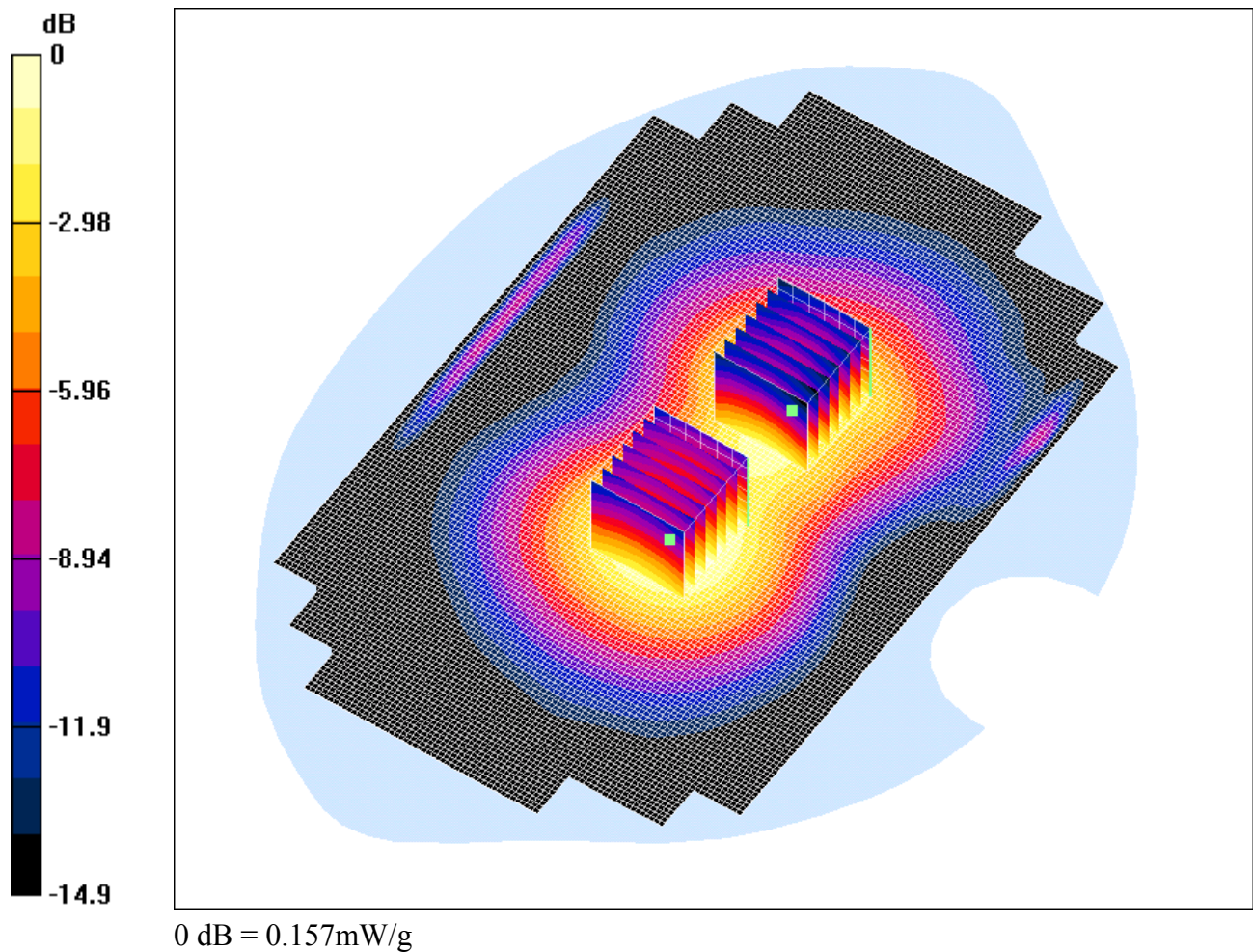
Reference Value = 14.4 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.716 mW/g

Date: 03/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.48194$ mho/m, $\epsilon_r = 50.9728$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Body Position with Leather Hoister FLC-510/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.64 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.164 mW/g

Body Position with Leather Hoister FLC-510/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.0982 mW/g

Reference Value = 8.64 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.16 mW/g

Body Position with Leather Hoister FLC-510/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.22 W/kg

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.0888 mW/g

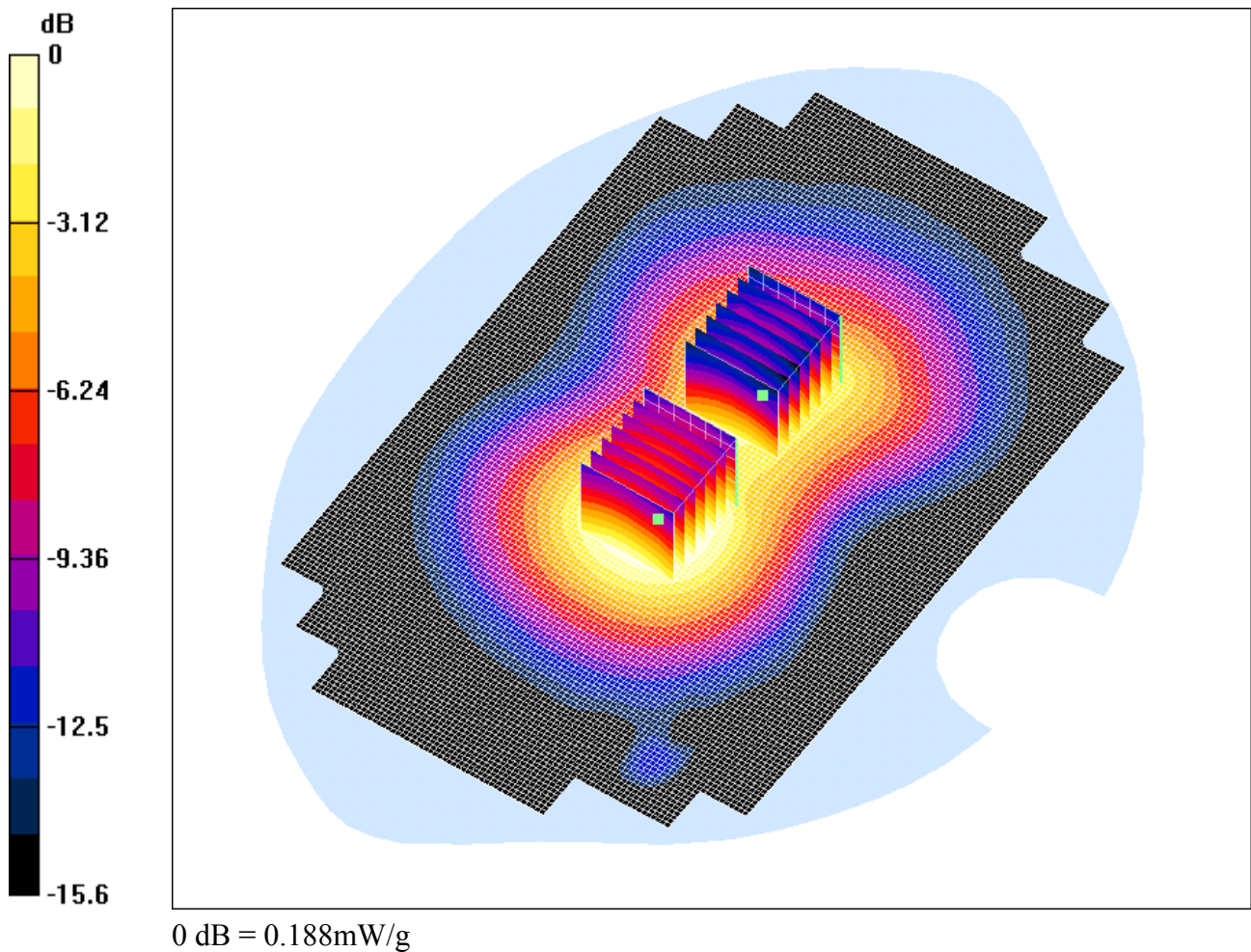
Reference Value = 8.64 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.157 mW/g

Date: 03/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.48194$ mho/m, $\epsilon_r = 50.9728$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Body Position with Loop case FCT-500/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.69 V/m

Power Drift = -0.03 dB
Maximum value of SAR = 0.226 mW/g

Body Position with Loop case FCT-500/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

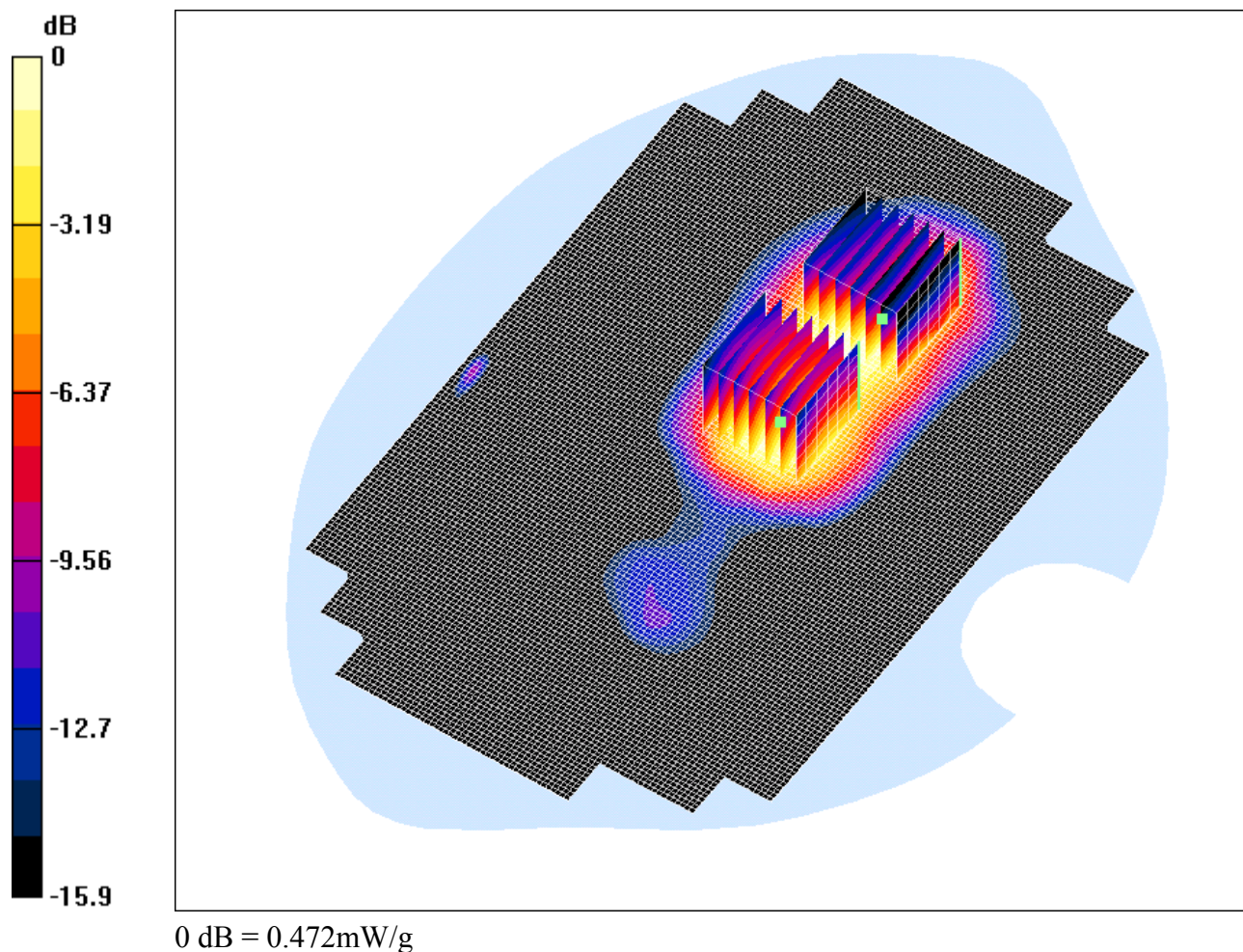
dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.136 mW/g
Reference Value = 9.69 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.228 mW/g

Body Position with Loop case FCT-500/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid:

dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.0991 mW/g
Reference Value = 9.69 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.188 mW/g

Date: 02/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.49601$ mho/m, $\epsilon_r = 51.0341$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Worst case CH_High with Camera, antenna facing phantom/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 12.8 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.596 mW/g

Worst case CH_High with Camera, antenna facing phantom/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.63 mW/g; SAR(10 g) = 0.281 mW/g

Reference Value = 12.8 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.748 mW/g

Worst case CH_High with Camera, antenna facing phantom/Zoom Scan (7x7x7) (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.277 mW/g

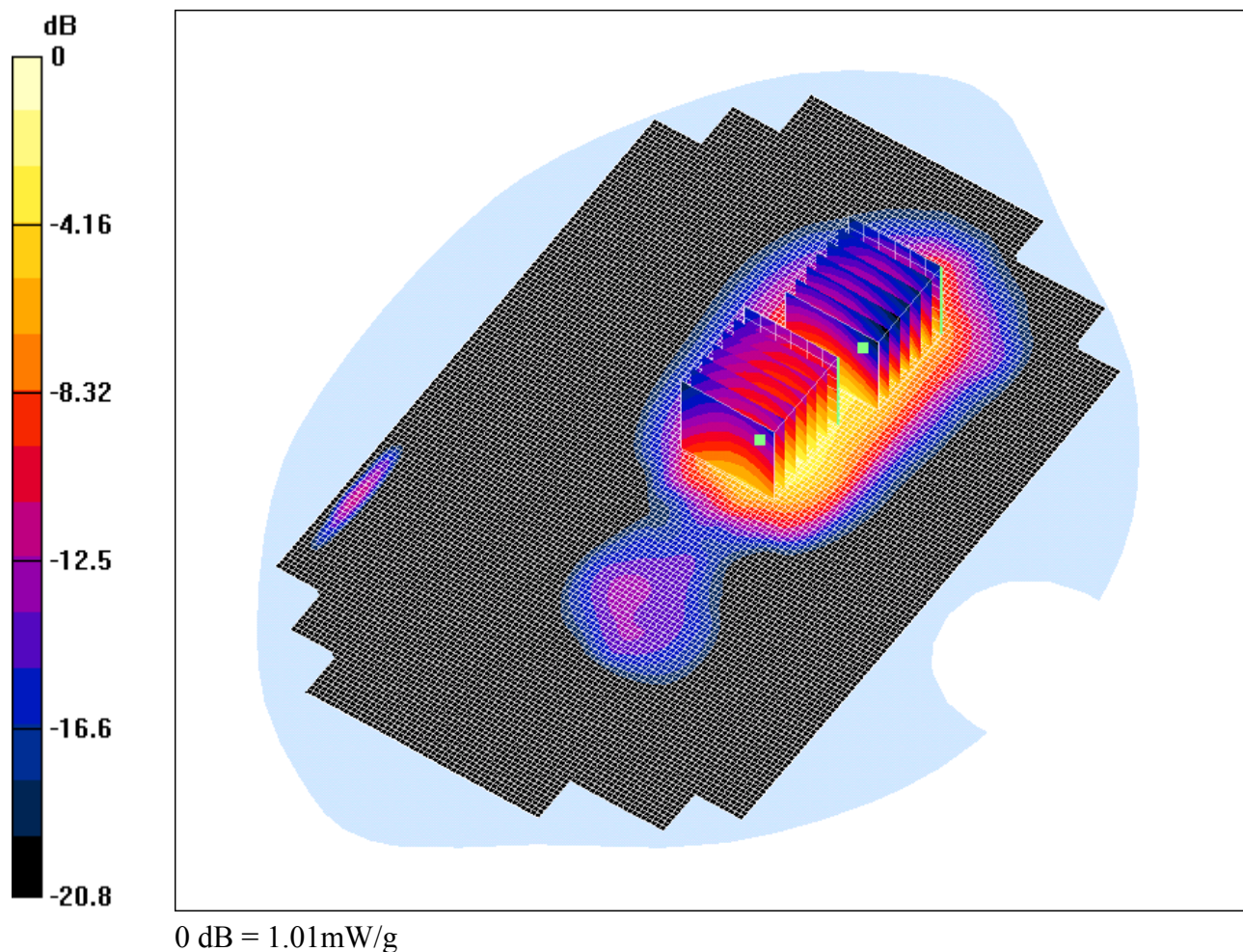
Reference Value = 12.8 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.472 mW/g

Date/Time: 02/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.48194$ mho/m, $\epsilon_r = 50.9728$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6; Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Body Position with Camera (0mm Distance)/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.1 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.684 mW/g

Body Position with Camera (0mm Distance)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.765 W/kg

SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.38 mW/g

Reference Value = 12.1 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.654 mW/g

Body Position with Camera (0mm Distance)/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.366 mW/g

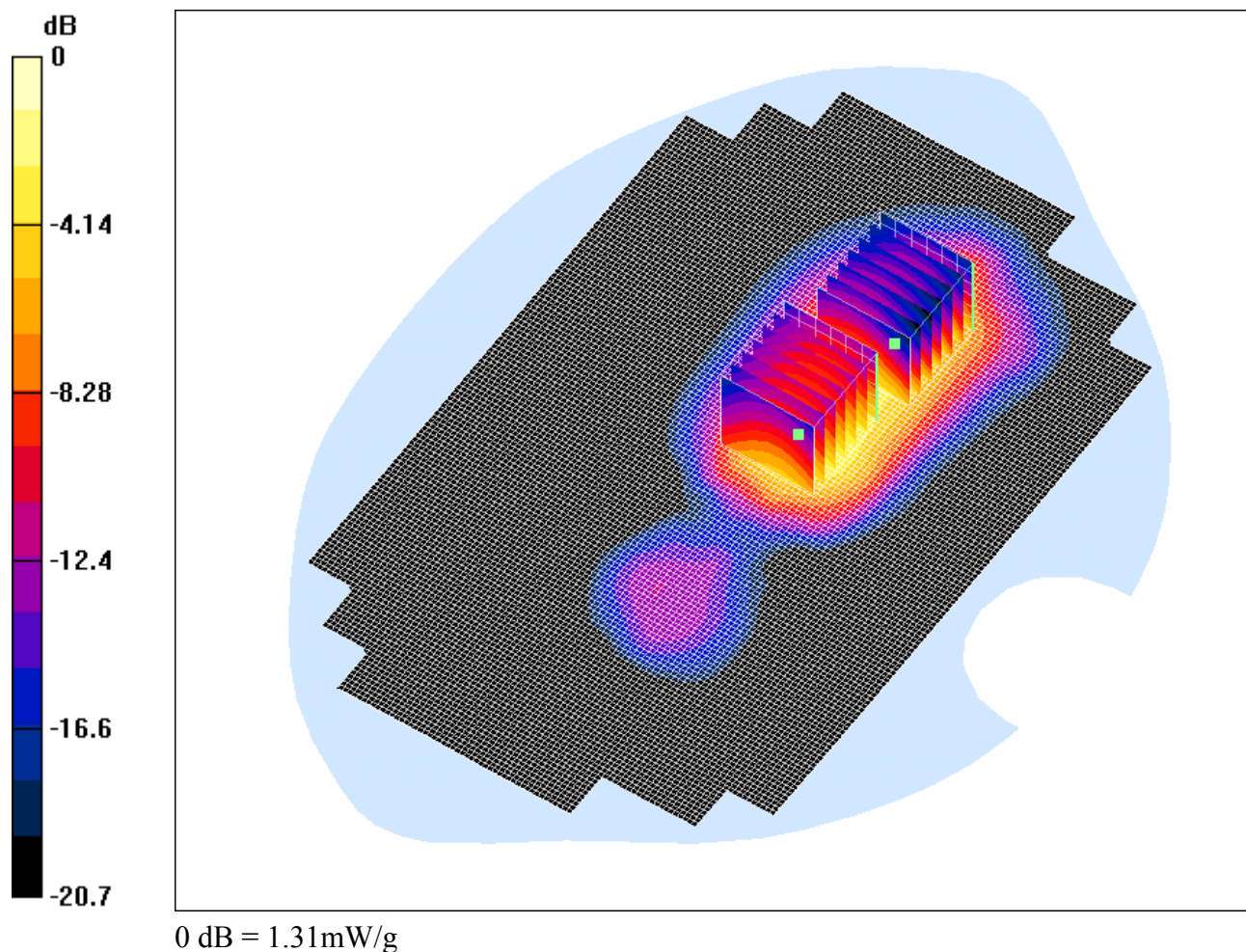
Reference Value = 12.1 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 1.01 mW/g

Date: 02/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.46471$ mho/m, $\epsilon_r = 51.085$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Worst case CH_Low with Camera, antenna facing phantom/Area Scan (161x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.7 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.902 mW/g

Worst case CH_Low with Camera, antenna facing phantom/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.972 W/kg

SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.506 mW/g

Reference Value = 13.7 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.866 mW/g

Worst case CH_Low with Camera, antenna facing phantom/Zoom Scan (7x7x7) (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 2.91 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.478 mW/g

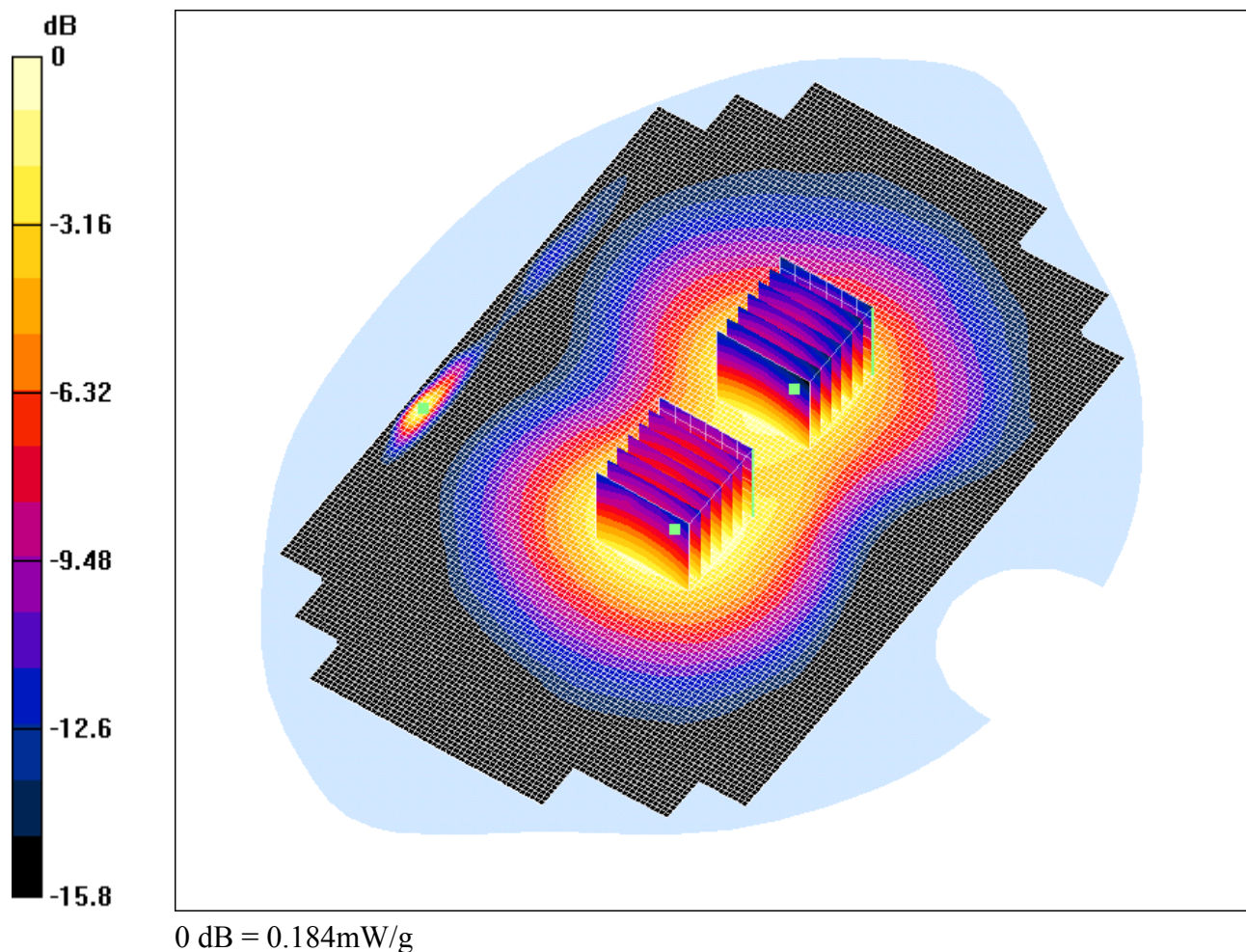
Reference Value = 13.7 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 1.31 mW/g

Date: 03/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz MSL ($\sigma = 1.48194$ mho/m, $\epsilon_r = 50.9728$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.6, 4.6, 4.6); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Body Position with Belt case FCL-520/Area Scan 2 (161x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.76 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.197 mW/g

Body Position with Belt case FCL-520/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.116 mW/g

Reference Value = 8.76 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.19 mW/g

Body Position with Belt case FCL-520/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 1: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.103 mW/g

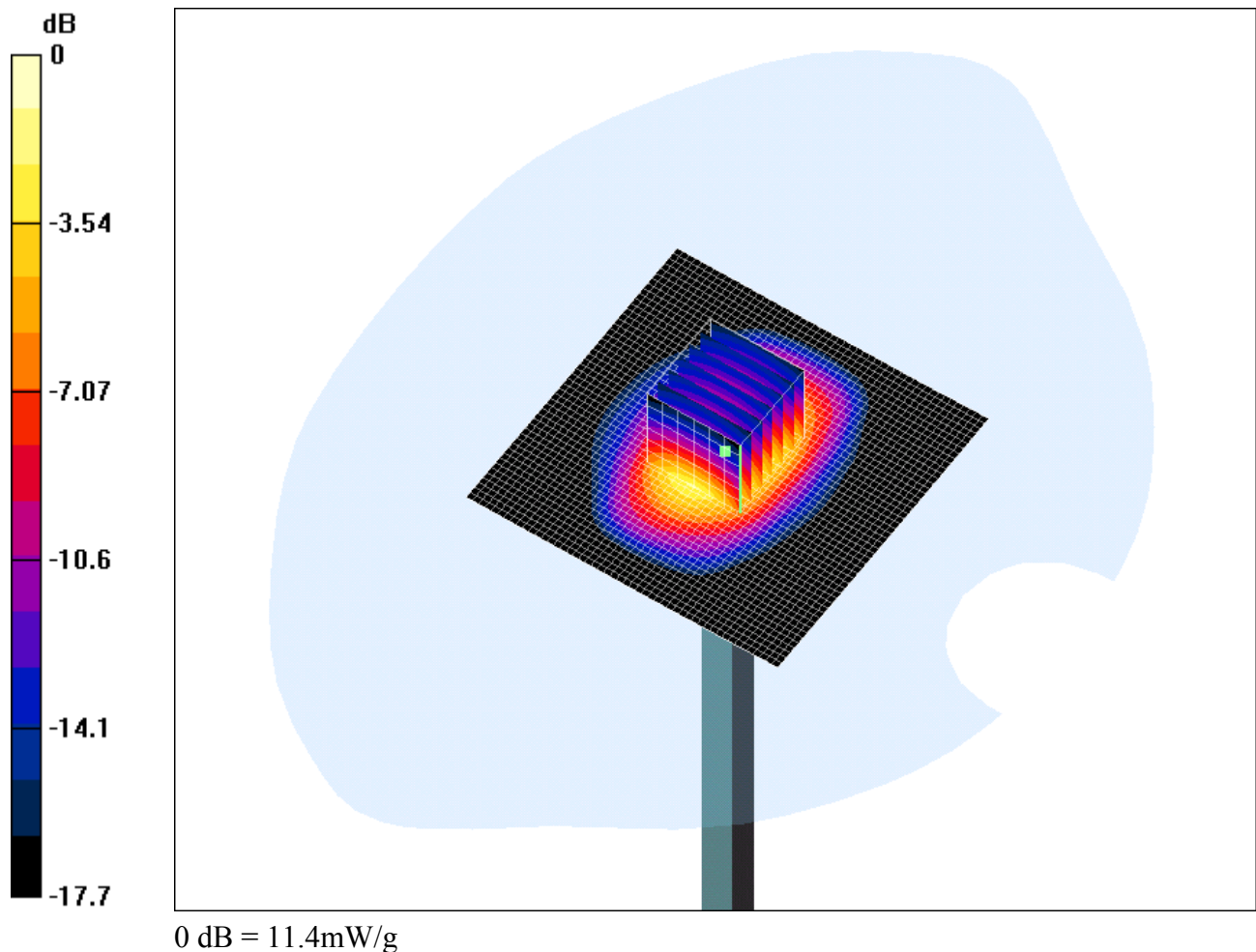
Reference Value = 8.76 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.184 mW/g

Date: 03/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

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

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

Medium: 1900MHz HSL ($\sigma = 1.45904$ mho/m, $\epsilon_r = 38.0259$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003

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

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

- Electronics: DAE3 Sn450; Calibrated: 19/05/2003

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

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

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

Reference Value = 91.4 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 12.2 mW/g

d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.31 mW/g

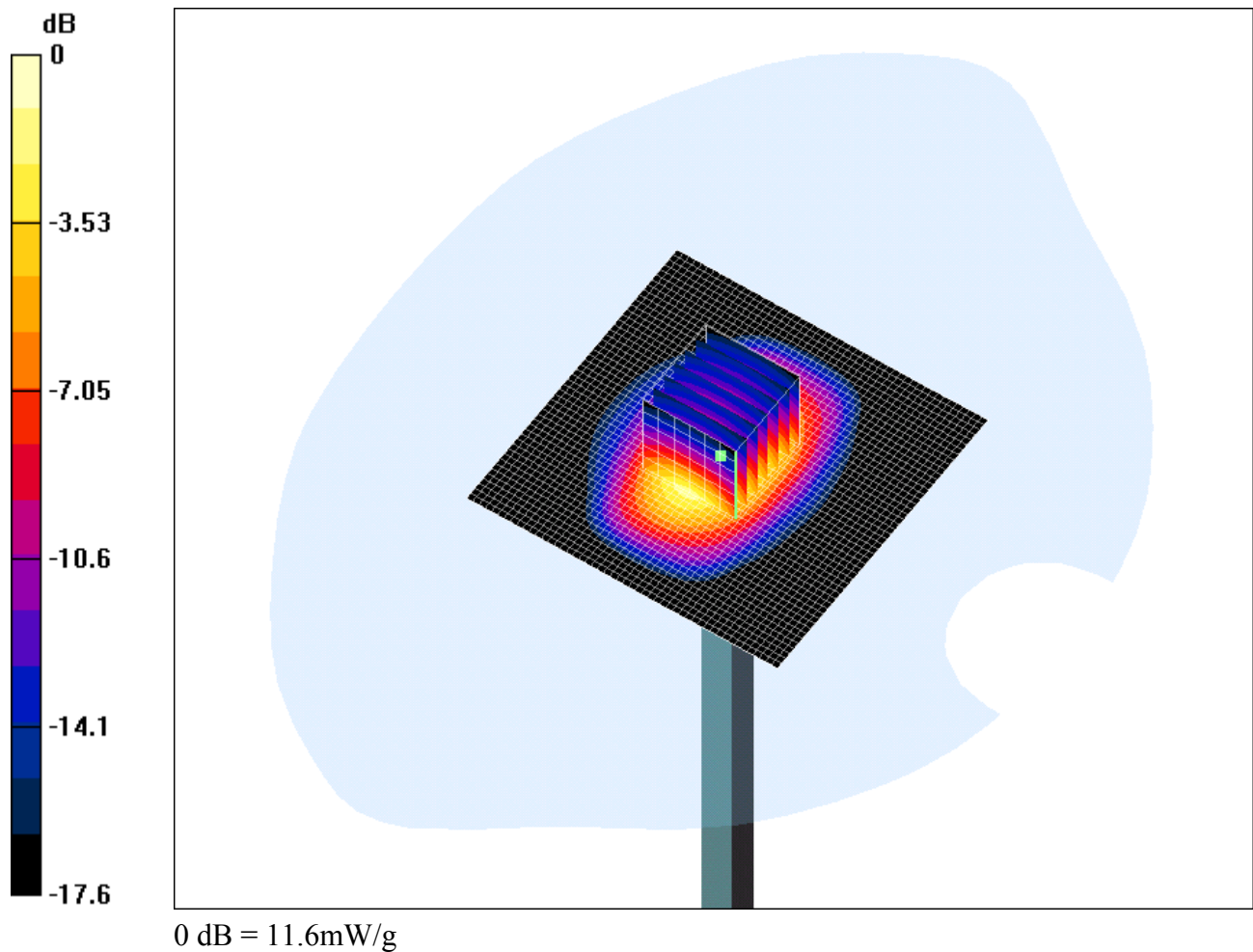
Reference Value = 91.4 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 11.4 mW/g

Date: 02/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

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

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

Medium: 1900MHz HSL ($\sigma = 1.45904$ mho/m, $\epsilon_r = 38.0259$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003

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

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

- Electronics: DAE3 Sn450; Calibrated: 19/05/2003

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

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

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

Reference Value = 92.4 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 12.6 mW/g

d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.33 mW/g

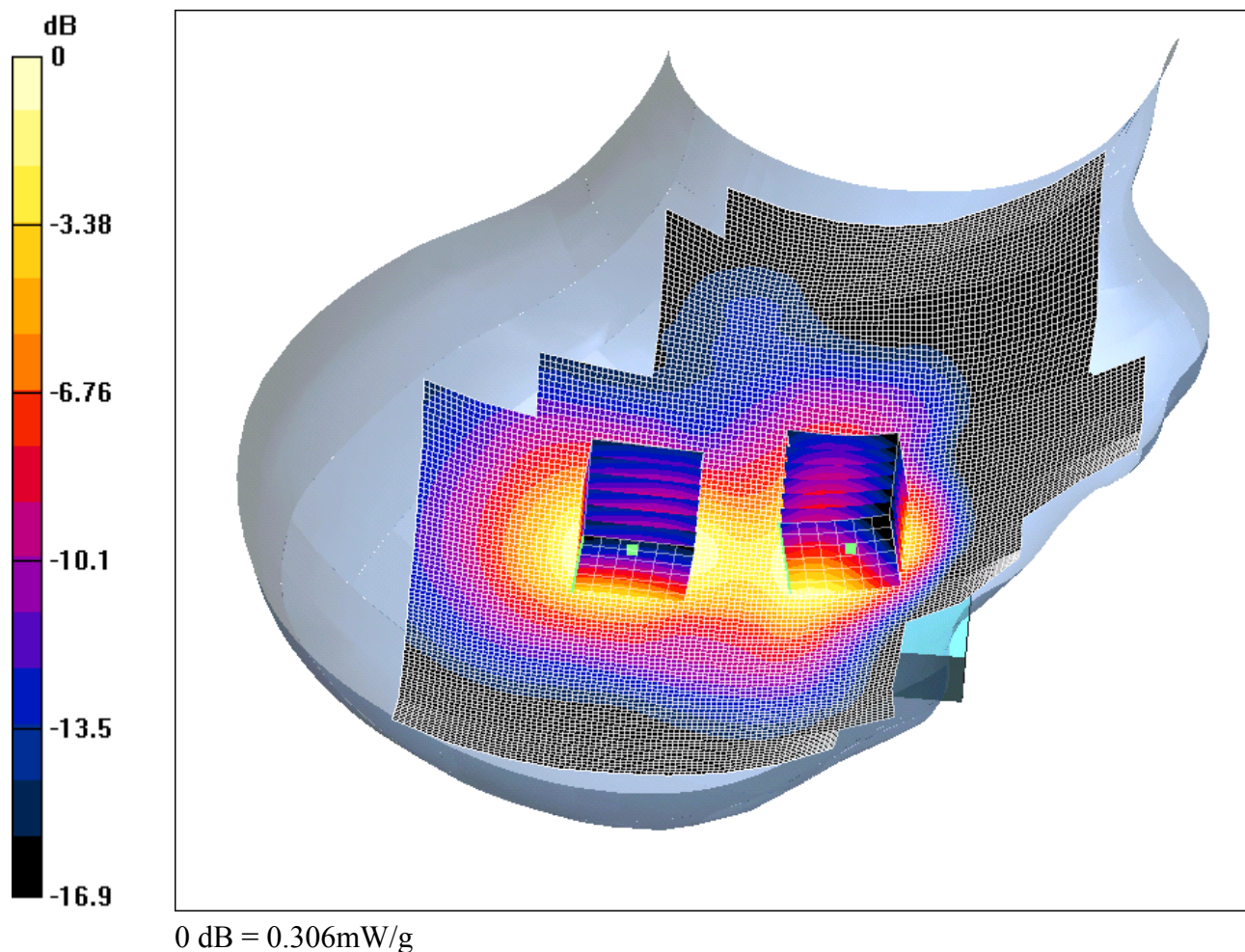
Reference Value = 92.4 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 11.6 mW/g

Date: 01/09/03

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

DUT: C62; Type: SQU3000015; Serial: 004400-00-389791-51-4849

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

Medium: 1900MHz HSL ($\sigma = 1.43769$ mho/m, $\epsilon_r = 38.1093$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.8, 4.8, 4.8); Calibrated: 29/07/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 19/05/2003
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Touch position - Middle/Area Scan 2 (131x131x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15.2 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.422 mW/g

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

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.194 mW/g

Reference Value = 15.2 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.389 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.465 W/kg

SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.161 mW/g

Reference Value = 15.2 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.306 mW/g