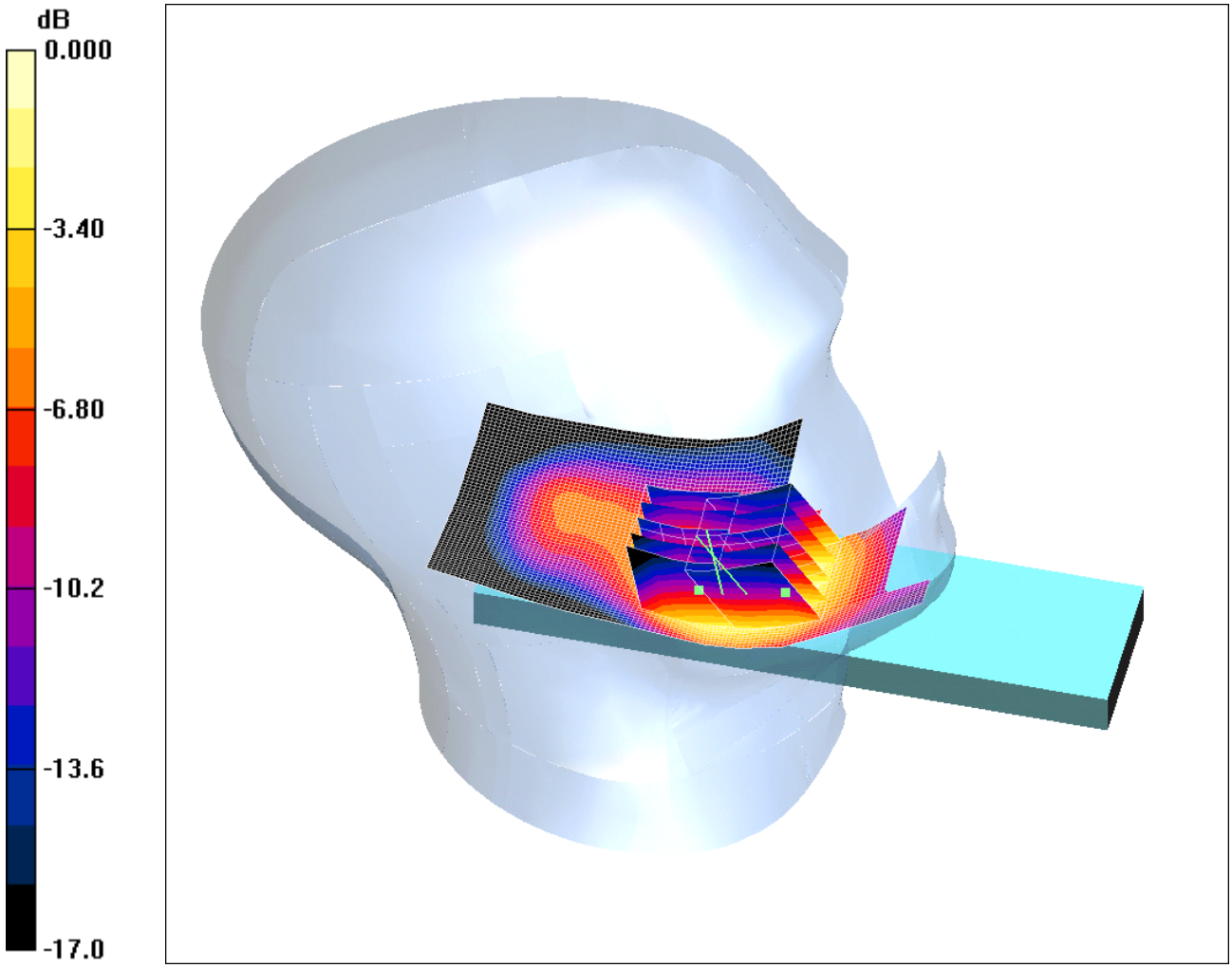
Appendix 3. SAR Distribution Scans

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

Scan Reference Number	Title
SCN/74674JD01/001	Touch Left PCS CH660
SCN/74674JD01/002	Tilt Left PCS CH660
SCN/74674JD01/003	Touch Right PCS CH660
SCN/74674JD01/004	Tilt Right PCS CH660
SCN/74674JD01/005	Front of EUT Facing Phantom PCS CH660
SCN/74674JD01/006	Front of EUT Facing Phantom GPRS CH660
SCN/74674JD01/007	Rear of EUT Facing Phantom GPRS CH660
SCN/74674JD01/008	Rear of EUT Facing Phantom With PHF GPRS CH660
SCN/74674JD01/009	System Performance Check 1900MHz Head 15 02 09
SCN/74674JD01/010	System Performance Check 1900MHz Body 15 02 09

Test of: SoftBank 832P
To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74674JD01/001: Touch Left PCS CH660
Date: 15/02/2009
DUT: Panasonic VS86; Type: VS86 (Sample C9); Serial: 004401220707604



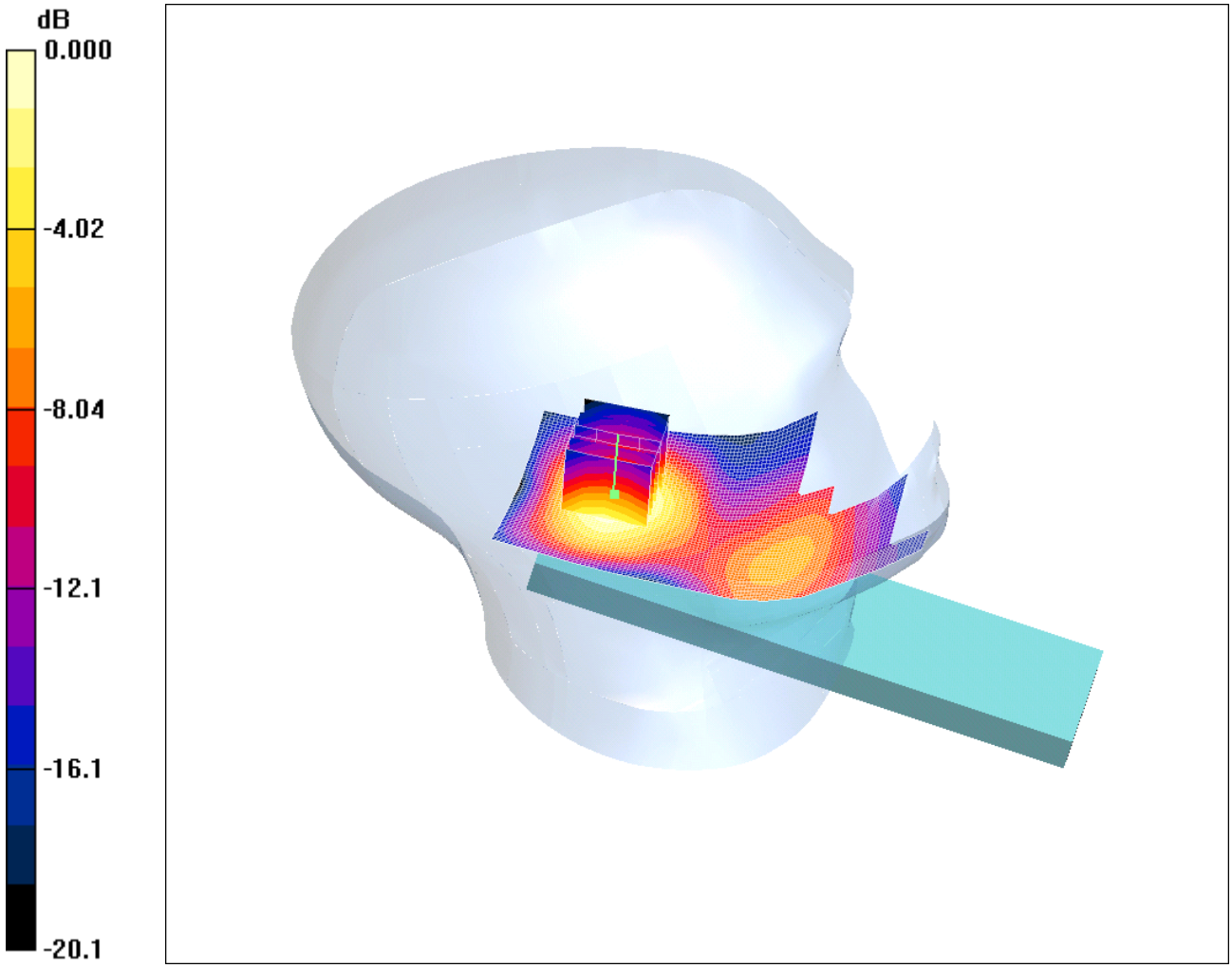
0 dB = 0.636mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); 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
Touch Left - Middle/Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.693 mW/g
Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.29 V/m; Power Drift = -0.250 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 0.695 mW/g
Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.29 V/m; Power Drift = -0.250 dB
Peak SAR (extrapolated) = 0.987 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 0.636 mW/g

Test of: SoftBank 832P

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

SCN/74674JD01/002: Tilt Left PCS CH660
Date: 15/02/2009
DUT: Panasonic VS86; Type: VS86 (Sample C9); Serial: 004401220707604



0 dB = 0.393mW/g

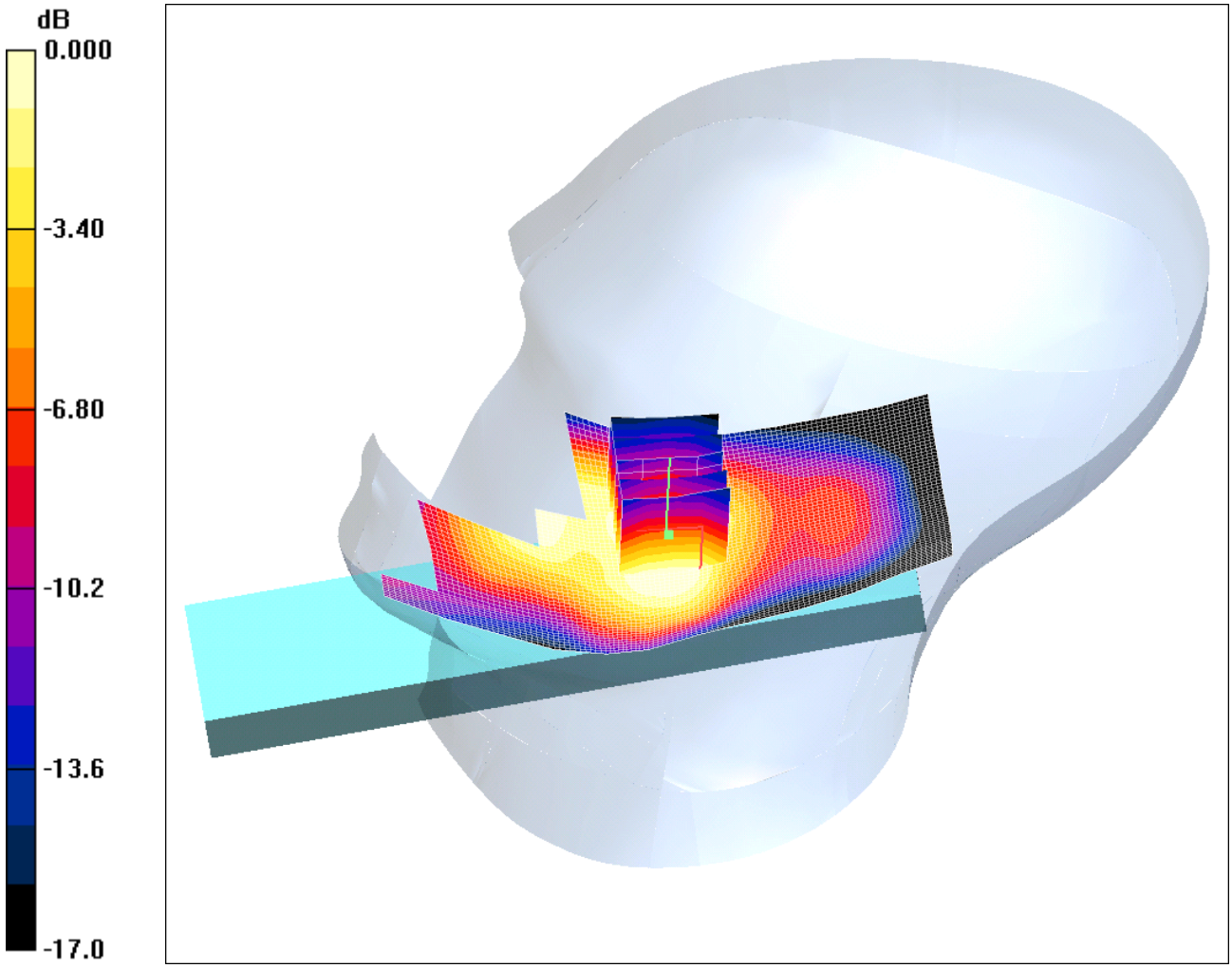
Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 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

Tilt Left - Middle/Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.435 mW/g
Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.7 V/m; Power Drift = 0.234 dB
Peak SAR (extrapolated) = 0.587 W/kg
SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.393 mW/g

Test of: SoftBank 832P

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

SCN/74674JD01/003: Touch Right PCS CH660
Date: 15/02/2009
DUT: Panasonic VS86; Type: VS86 (Sample C9); Serial: 004401220707604

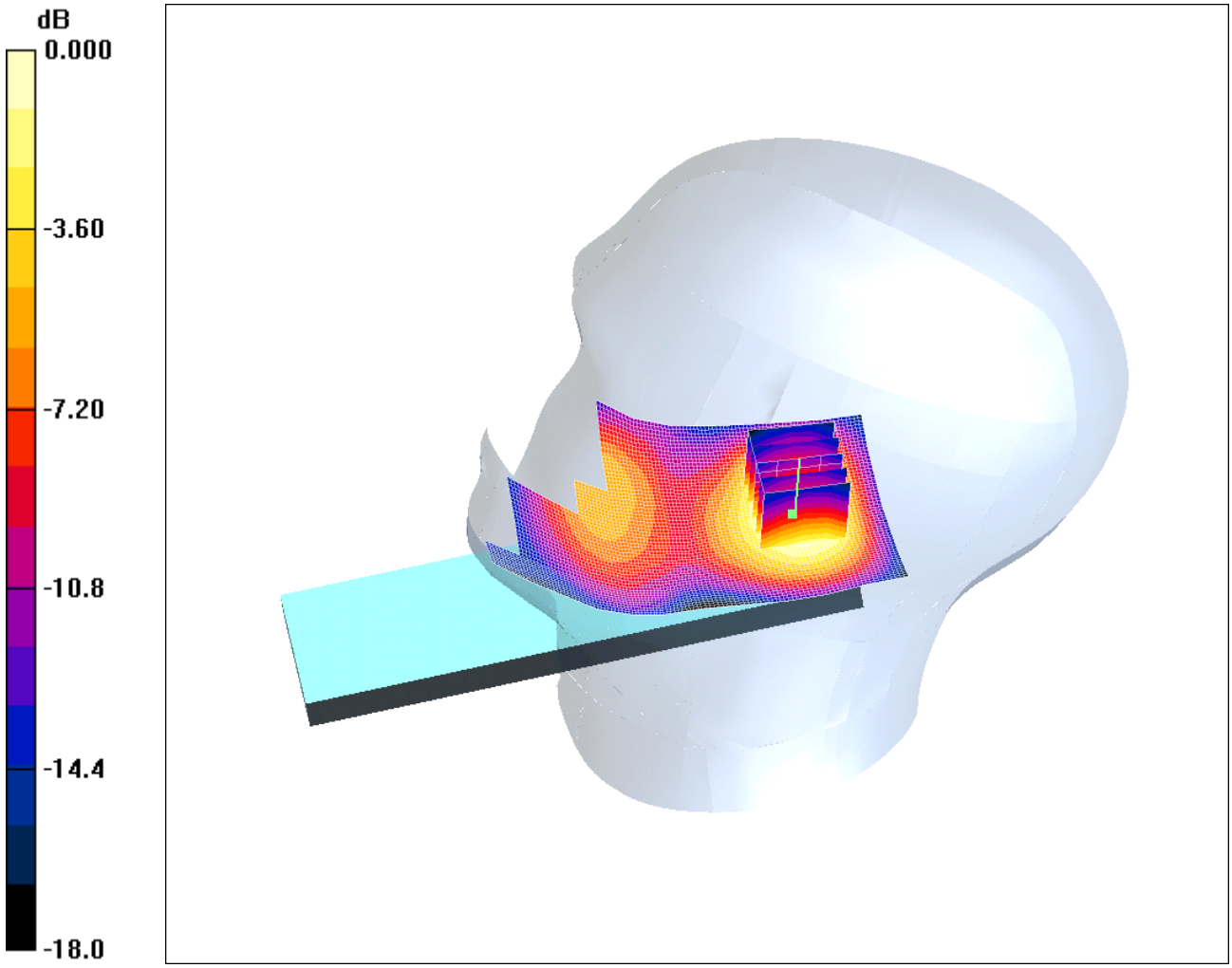


0 dB = 0.504mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); 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
Touch Right- Middle/Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.512 mW/g
Touch Right- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.44 V/m; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.712 W/kg
SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.299 mW/g
Maximum value of SAR (measured) = 0.504 mW/g

Test of: SoftBank 832P
To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74674JD01/004: Tilt Right PCS CH660
Date: 16/02/2009
DUT: Panasonic VS86; Type: VS86 (Sample C9); Serial: 004401220707604



0 dB = 0.290mW/g

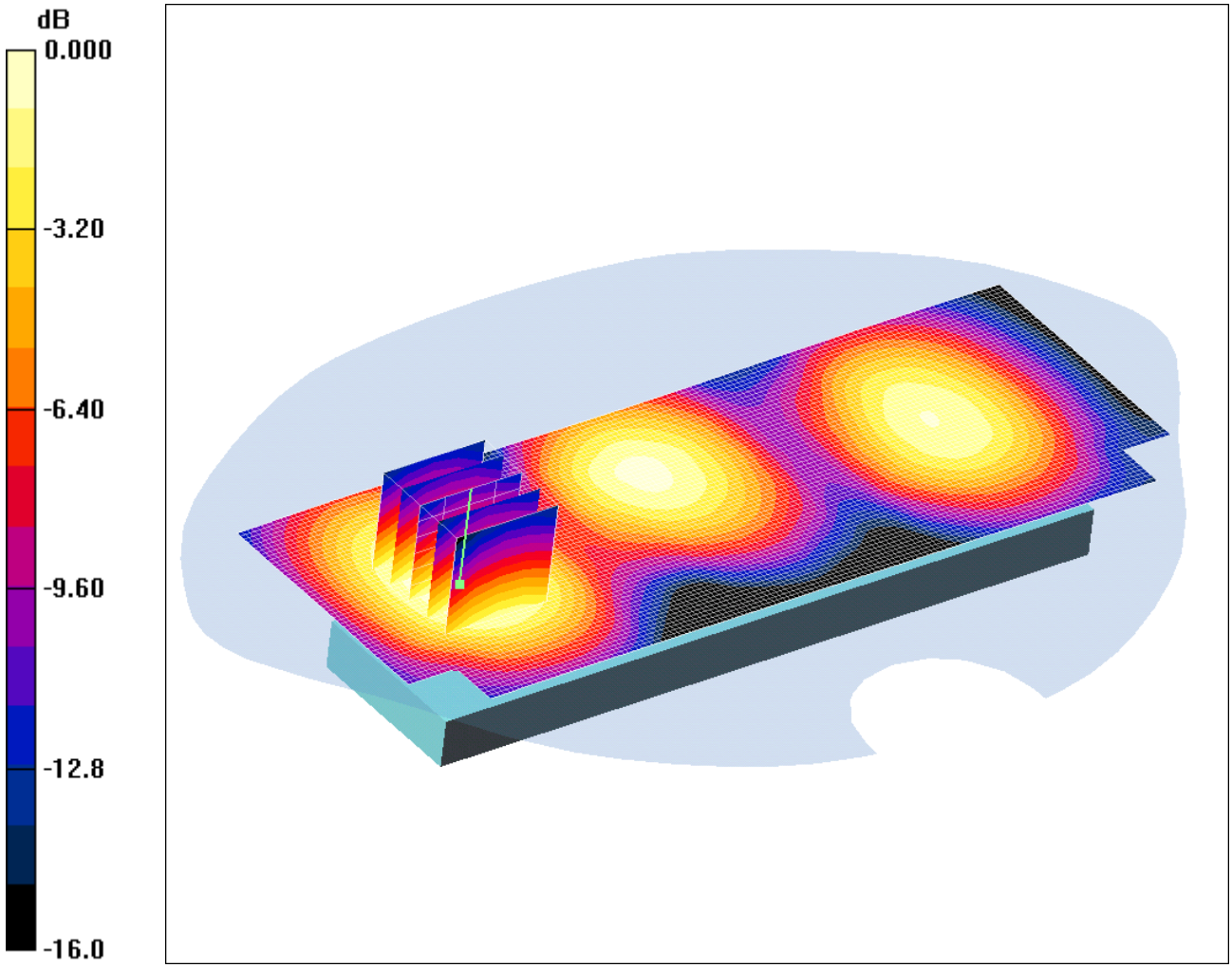
Communication System: PCS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:8.3
Medium: 1900 MHz HSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.44 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 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

Tilt Right- Middle/Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.304 mW/g
Tilt Right- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.8 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = 0.424 W/kg
SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.165 mW/g
Maximum value of SAR (measured) = 0.290 mW/g

Test of: SoftBank 832P

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

SCN/74674JD01/005: Front of EUT Facing Phantom PCS CH660
Date: 15/02/2009
DUT: Panasonic VS86; Type: VS86 (Sample C9); Serial: 004401220707604



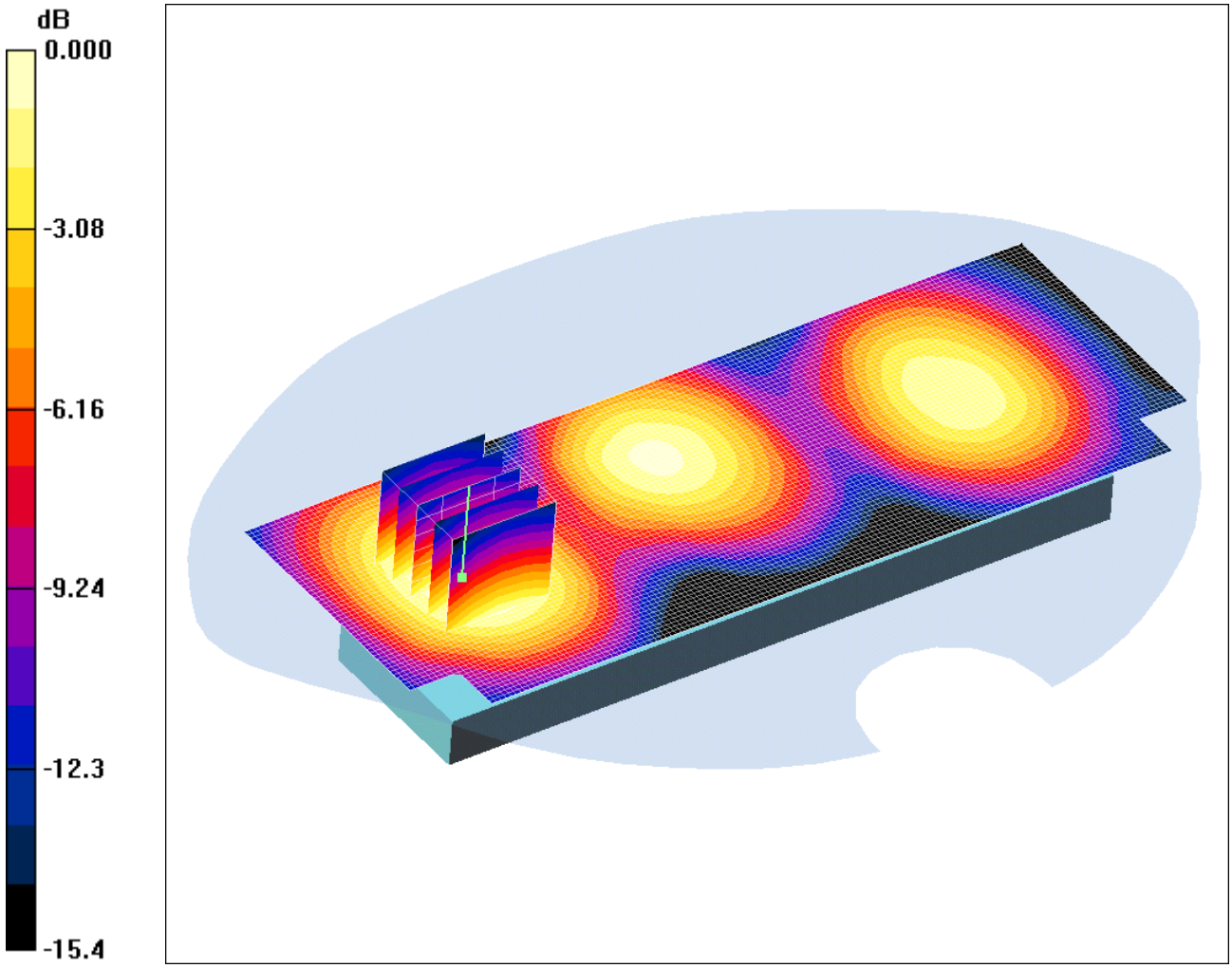
0 dB = 0.327mW/g

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; σ = 1.57 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
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 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom 15mm/Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.346 mW/g
Front of EUT Facing Phantom 15mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.186 dB
Peak SAR (extrapolated) = 0.469 W/kg
SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.327 mW/g

Test of: SoftBank 832P
To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74674JD01/006: Front of EUT Facing Phantom GPRS CH660
Date: 15/02/2009
DUT: Panasonic VS86; Type: VS86 (Sample C9); Serial: 004401220707604



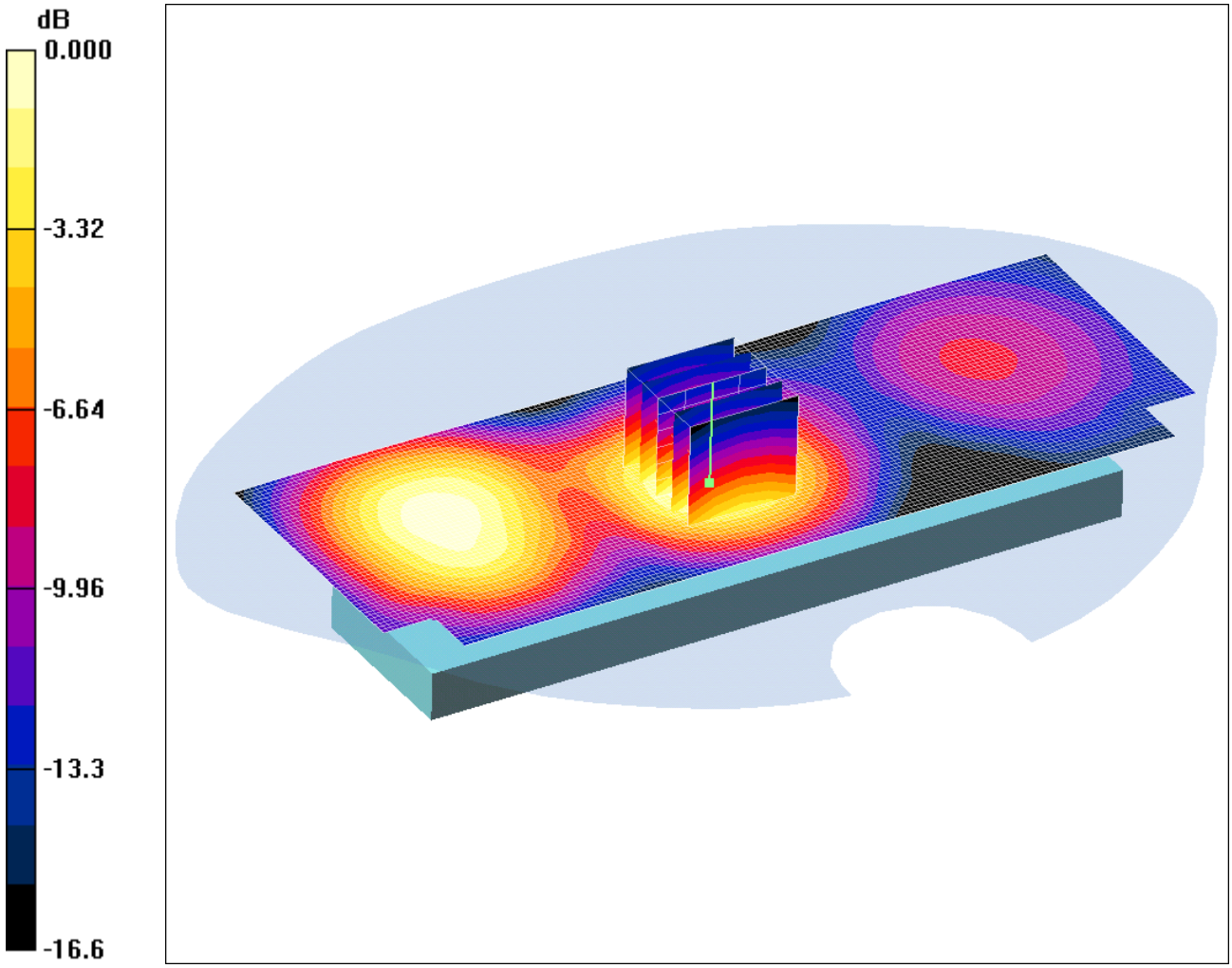
0 dB = 0.418mW/g

Communication System: GPRS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:4
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
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 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom 15mm/Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.438 mW/g
Front of EUT Facing Phantom 15mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.4 V/m; Power Drift = -0.087 dB
Peak SAR (extrapolated) = 0.601 W/kg
SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.418 mW/g

Test of: SoftBank 832P
To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74674JD01/007: Rear of EUT Facing Phantom GPRS CH660
Date: 15/02/2009
DUT: Panasonic VS86; Type: VS86 (Sample C9); Serial: 004401220707604



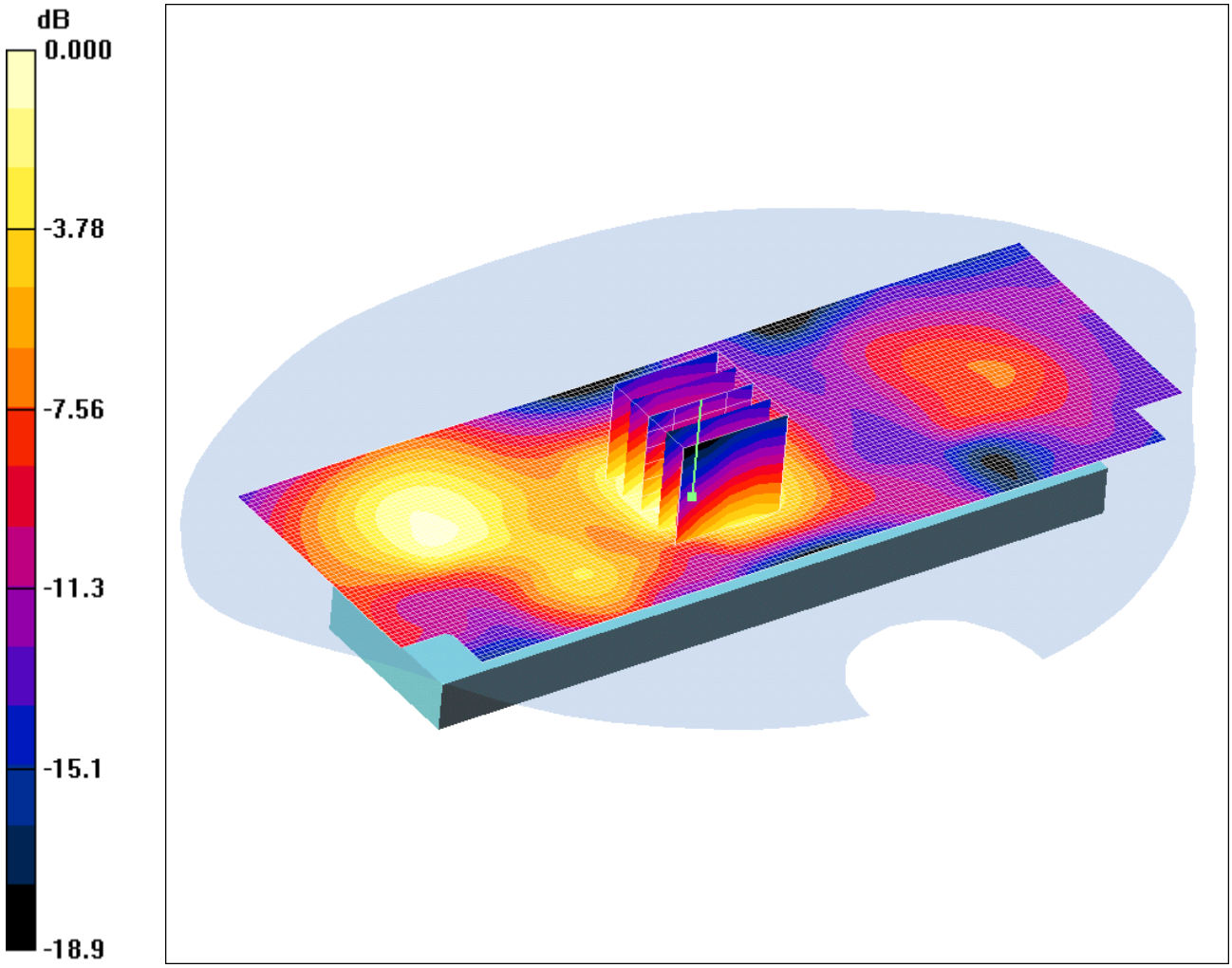
0 dB = 0.459mW/g

Communication System: GPRS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:4
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
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 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom 15mm/Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.476 mW/g
Rear of EUT Facing Phantom 15mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 0.702 W/kg
SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.459 mW/g

Test of: SoftBank 832P
To: OET Bulletin 65 Supplement C: (2001-01)

SCN/74674JD01/008: Rear of EUT Facing Phantom With PHF GPRS CH660
Date: 15/02/2009
DUT: Panasonic VS86; Type: VS86 (Sample C9); Serial: 004401220707604



0 dB = 0.488mW/g

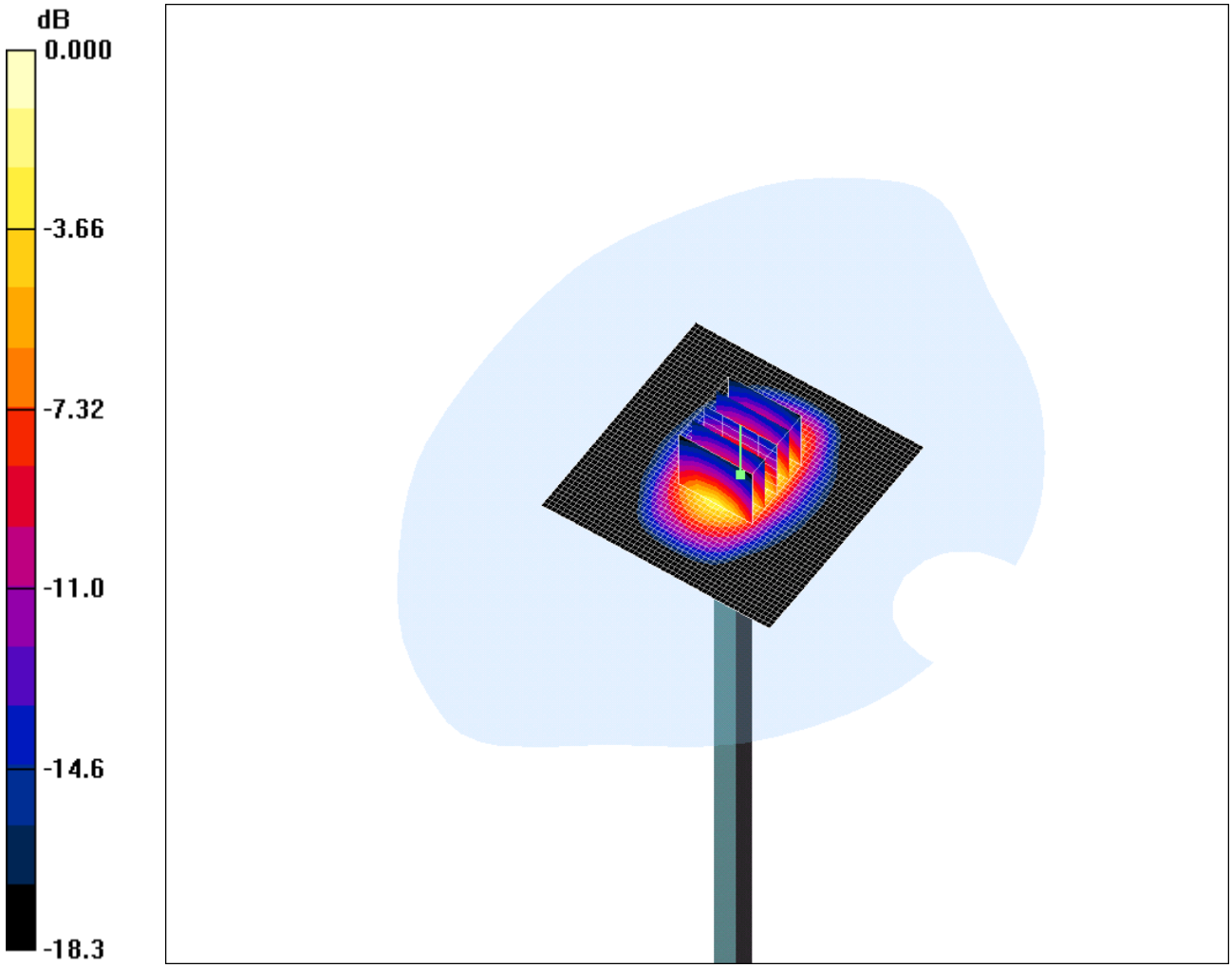
Communication System: GPRS 1900; Frequency: 1879.8 MHz;Duty Cycle: 1:4
Medium: 1900 MHz MSL Medium parameters used (interpolated): f = 1879.8 MHz; σ = 1.57 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3508; ConvF(8.29, 8.29, 8.29); Calibrated: 24/06/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 25/06/2008
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom 15mm/Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.540 mW/g
Rear of EUT Facing Phantom 15mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.3 V/m; Power Drift = -0.136 dB
Peak SAR (extrapolated) = 0.767 W/kg
SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.263 mW/g
Maximum value of SAR (measured) = 0.488 mW/g

Test of: SoftBank 832P

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

SCN/74674JD01/009: System Performance Check 1900MHz Head 15 02 09
Date: 15/02/2009
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 10.4mW/g

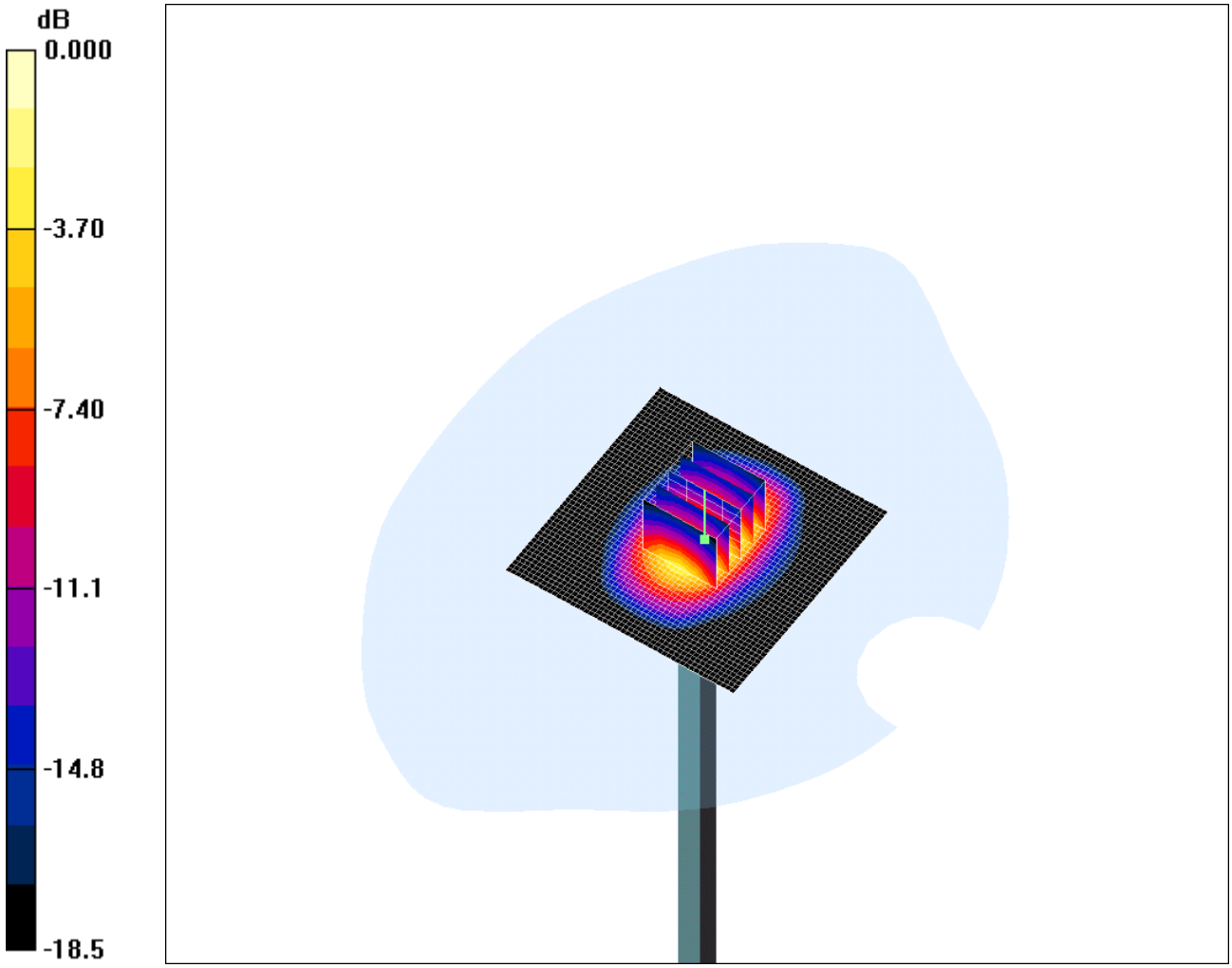
Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.46 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 24/06/2008
- Sensor-Surface: 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 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 13.1 mW/g
d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 82.9 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 17.7 W/kg
SAR(1 g) = 9.26 mW/g; SAR(10 g) = 4.71 mW/g
Maximum value of SAR (measured) = 10.4 mW/g

Test of: SoftBank 832P

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

SCN/74674JD01/010: System Performance Check 1900MHz Body 15 02 09
Date: 15/02/2009
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; σ = 1.59 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
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) = 13.9 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 82.1 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 18.8 W/kg
SAR(1 g) = 9.87 mW/g; SAR(10 g) = 5 mW/g
Maximum value of SAR (measured) = 11.1 mW/g