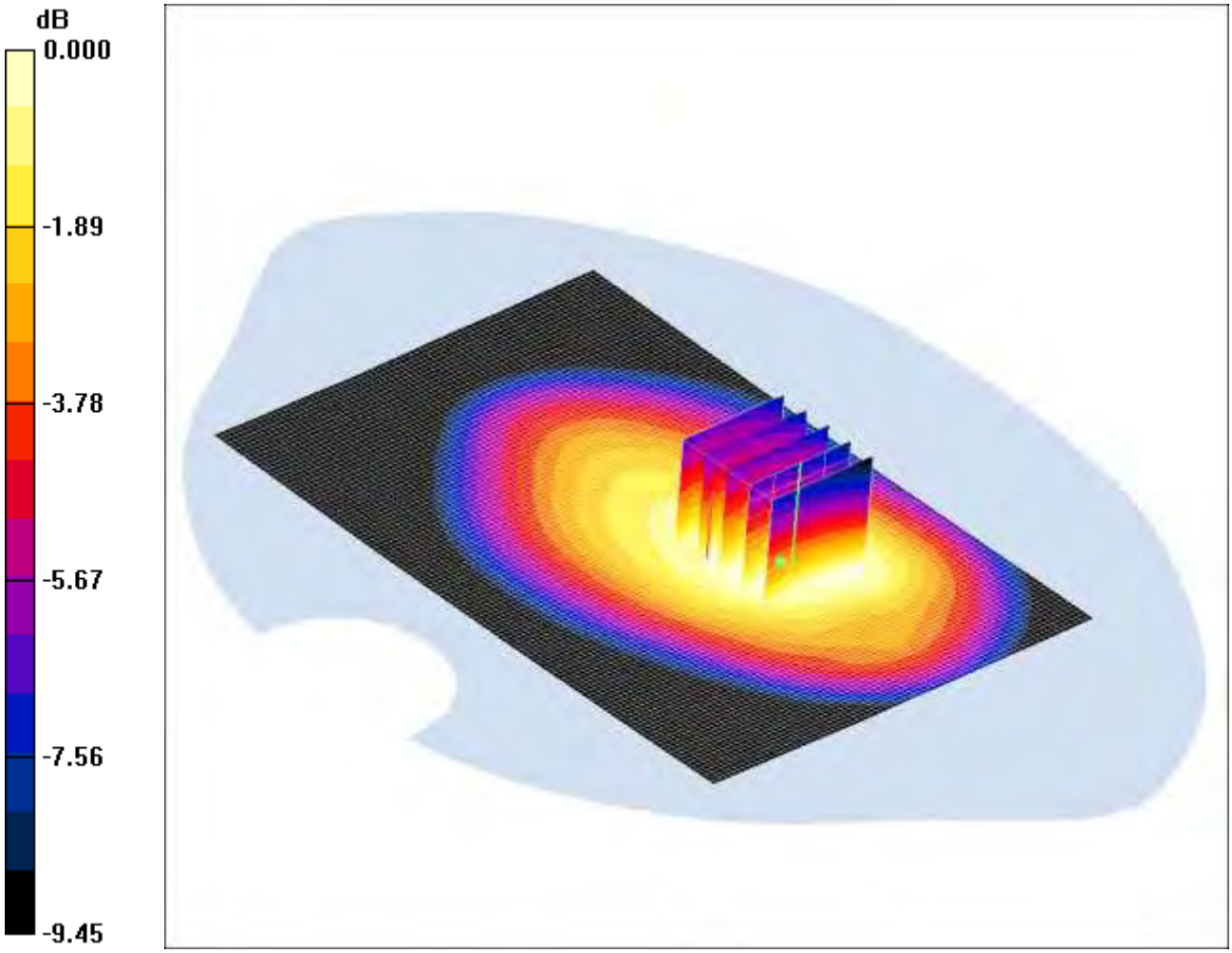
SCN/88281JD02/200: Back of EUT Facing Phantom at 15mm LTE 17 10MHz BW 1 RB Low QPSK CH23790
Date: 13/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023988-8

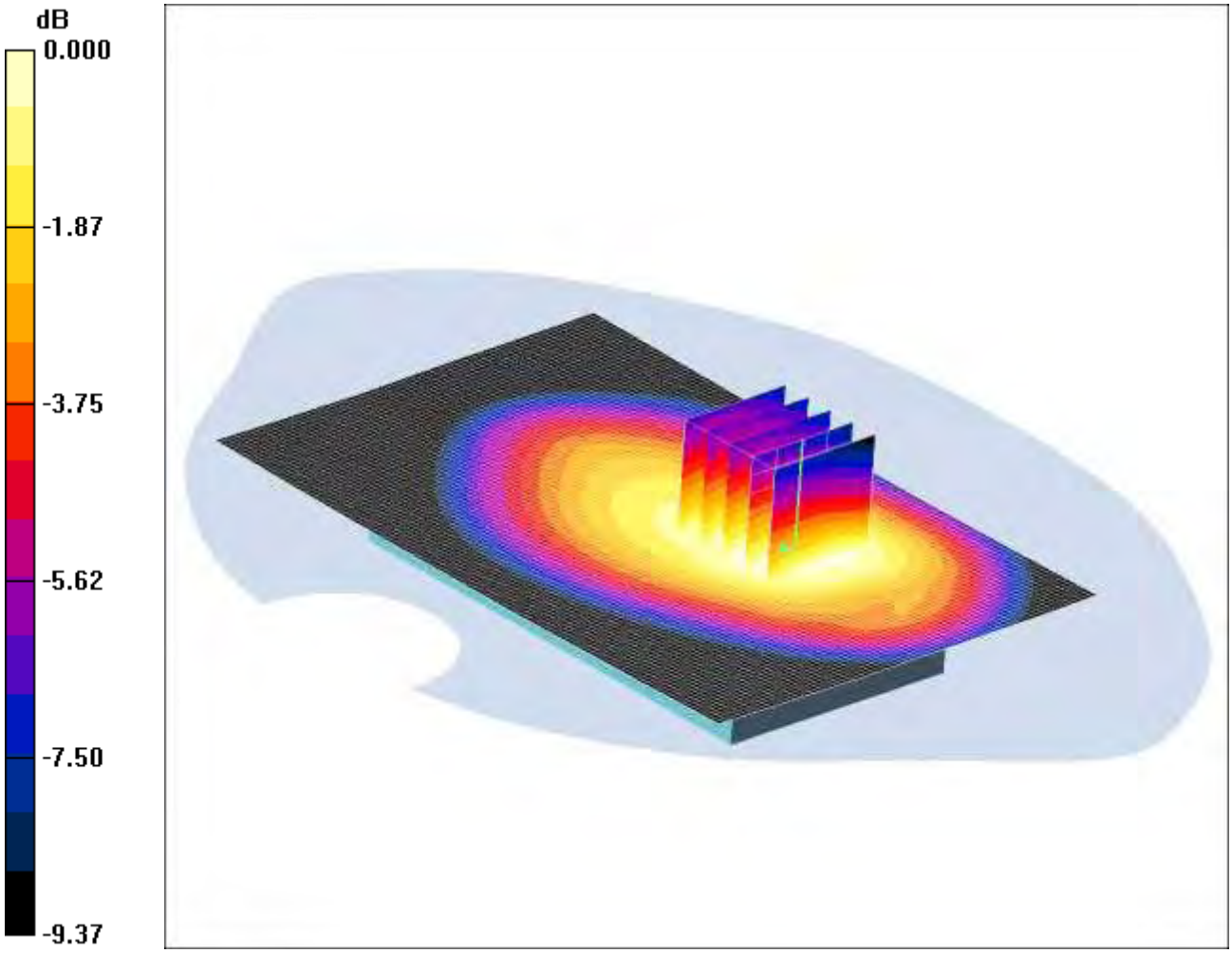


0 dB = 0.370mW/g

Communication System: LTE - Band 17 / 10MHz Channel; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: 750 MHz MSL Medium parameters used (interpolated): f = 710 MHz; σ = 0.922 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(9.28, 9.28, 9.28); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Back of EUT Facing Phantom at 15mm - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.377 mW/g
Back of EUT Facing Phantom at 15mm - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.0 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 0.460 W/kg
SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 0.370 mW/g

SCN/88281JD02/201: Back of EUT Facing Phantom at 15mm LTE 17 10MHz BW 1 RB Low QPSK CH23780
Date: 13/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023988-8

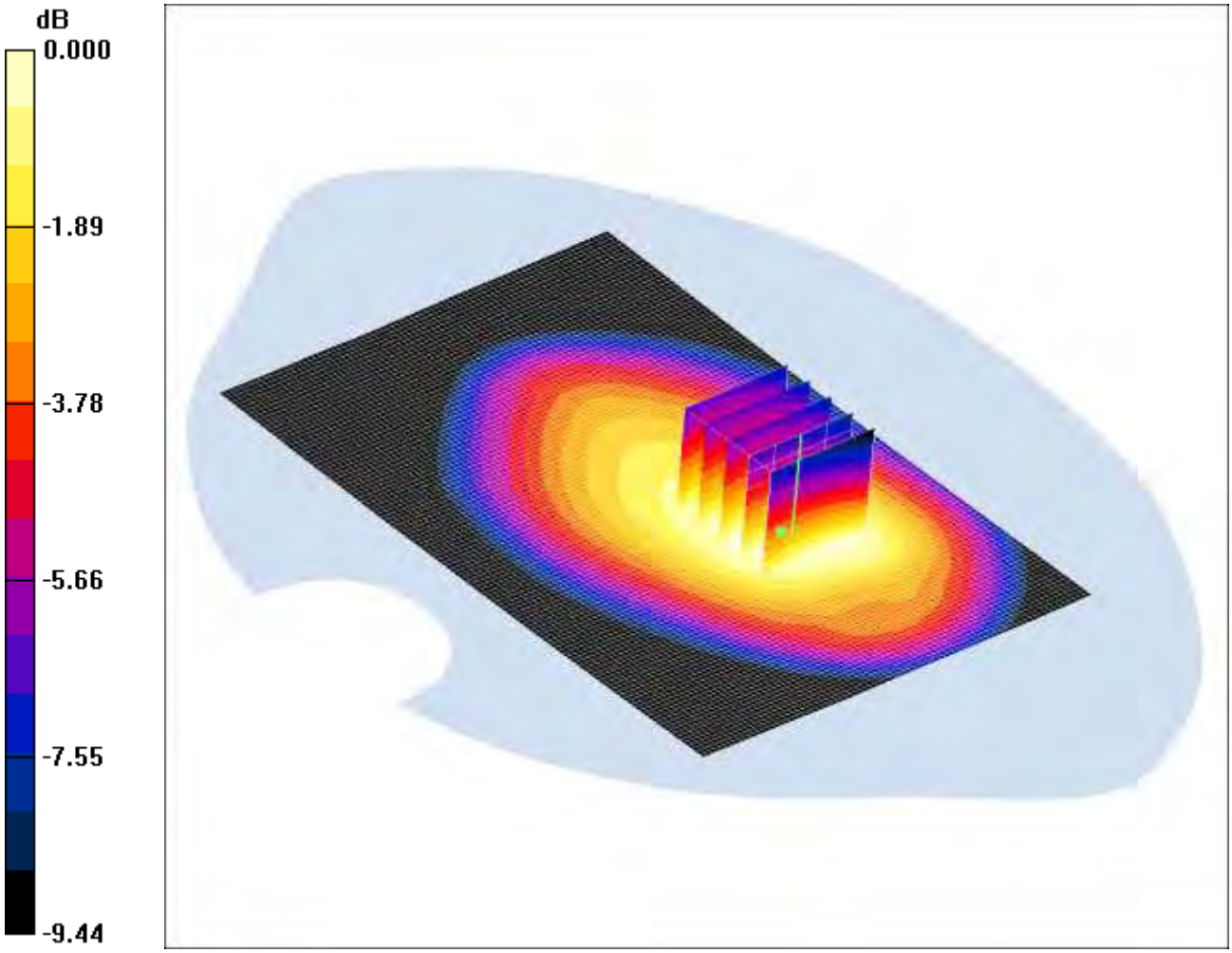


0 dB = 0.368mW/g

Communication System: LTE - Band 17 / 10MHz Channel; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: 750 MHz MSL Medium parameters used (interpolated): f = 709 MHz; σ = 0.922 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(9.28, 9.28, 9.28); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Back of EUT Facing Phantom at 15mm - Low/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.367 mW/g
Back of EUT Facing Phantom at 15mm - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.462 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.260 mW/g
Maximum value of SAR (measured) = 0.368 mW/g

SCN/88281JD02/202: Back of EUT Facing Phantom at 15mm LTE 17 10MHz BW 1 RB Low QPSK CH23800
Date: 13/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023988-8

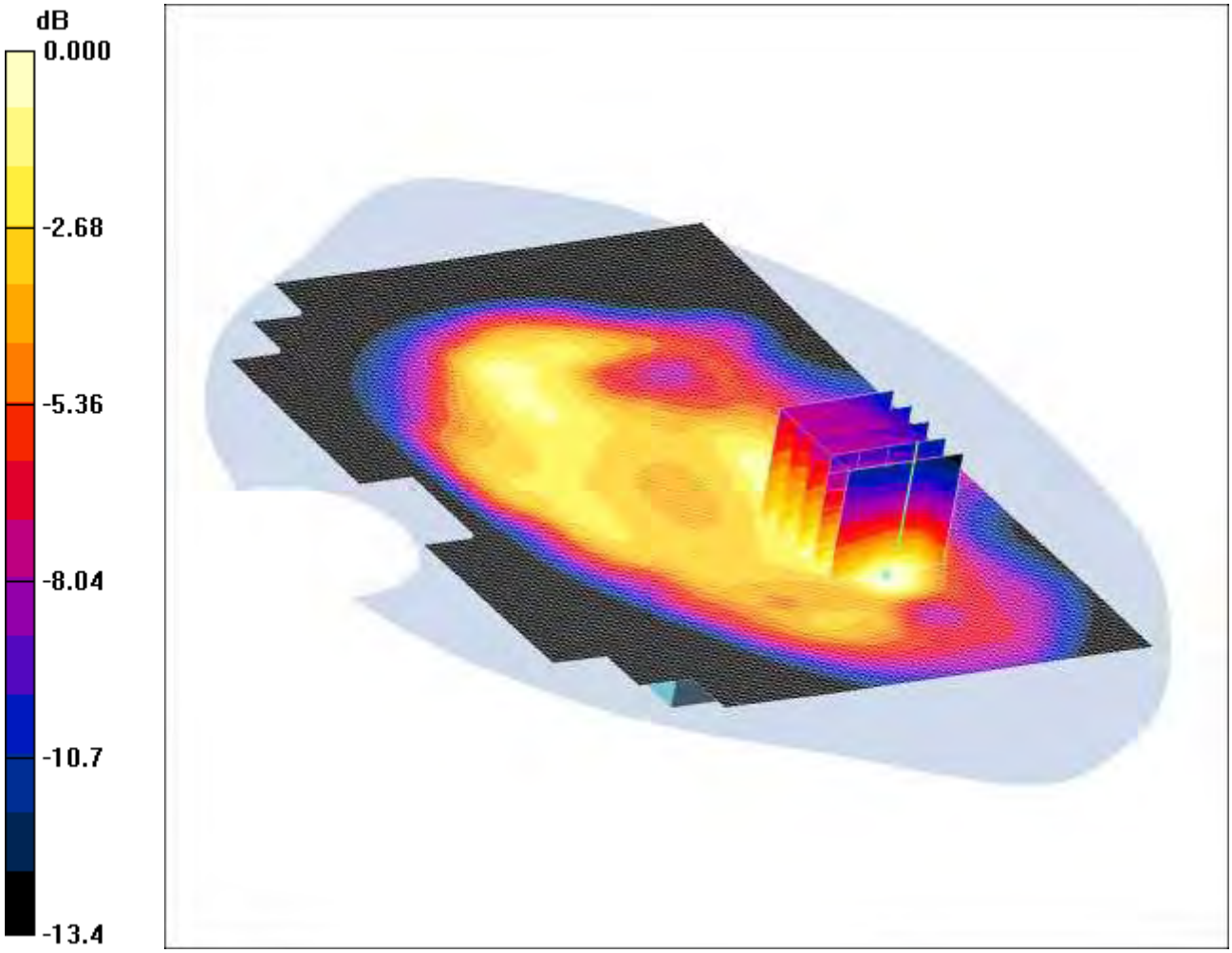


0 dB = 0.364mW/g

Communication System: LTE - Band 17 / 10MHz Channel; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: 750 MHz MSL Medium parameters used (interpolated): f = 711 MHz; σ = 0.923 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(9.28, 9.28, 9.28); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Back of EUT Facing Phantom at 15mm - High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.365 mW/g
Back of EUT Facing Phantom at 15mm - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.3 V/m; Power Drift = -0.065 dB
Peak SAR (extrapolated) = 0.454 W/kg
SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.256 mW/g
Maximum value of SAR (measured) = 0.364 mW/g

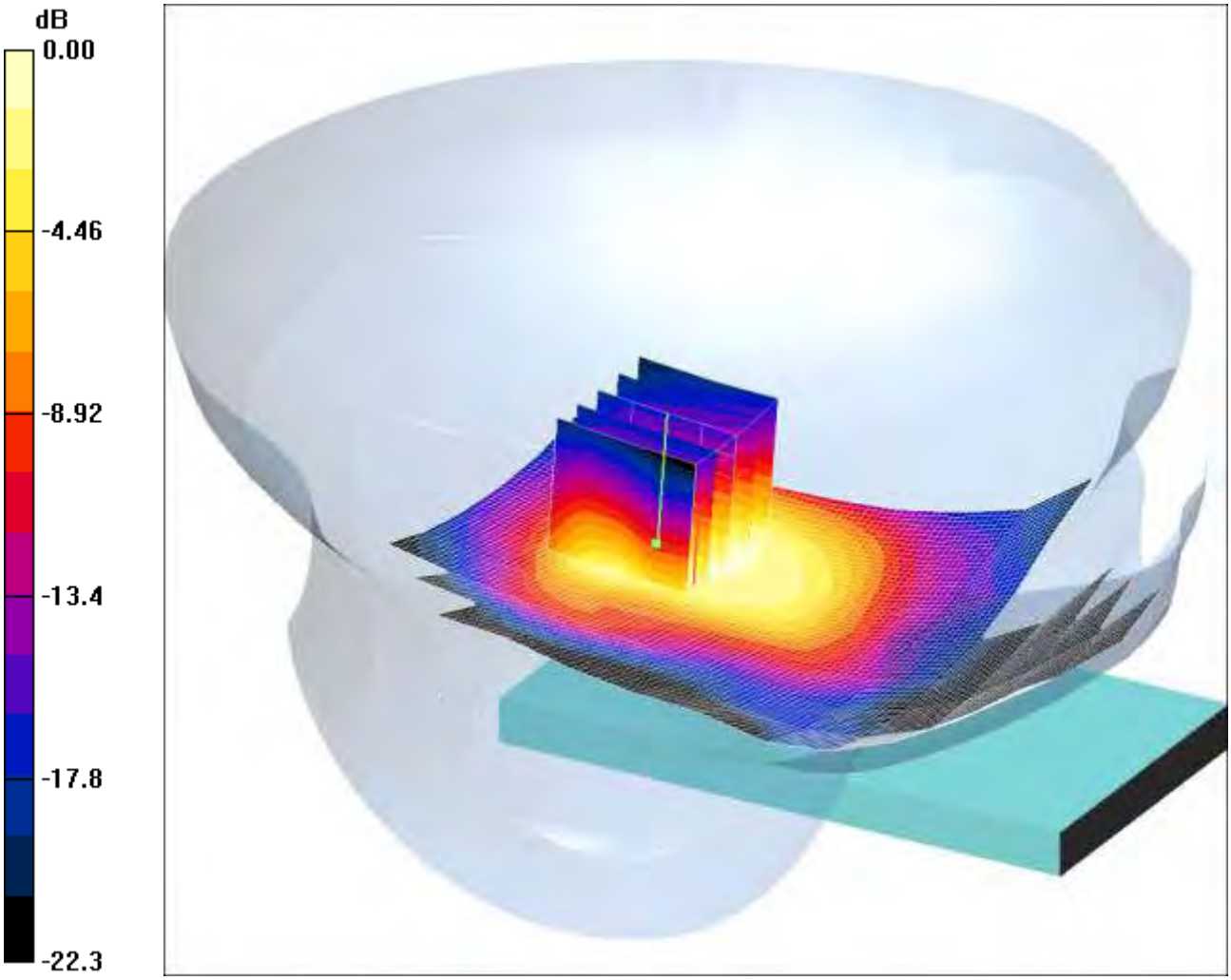
SCN/88281JD02/203: Back of EUT Facing Phantom with PHF at 15mm LTE 17 10MHz BW 1 RB Low QPSK CH23790
Date13/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023988-8



0 dB = 0.285mW/g
Communication System: LTE - Band 17 / 10MHz Channel; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: 750 MHz MSL Medium parameters used (interpolated): f = 710 MHz; σ = 0.922 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(9.28, 9.28, 9.28); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Back of EUT Facing Phantom with PHF at 15mm - Middle/Area Scan 2 (101x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.306 mW/g
Back of EUT Facing Phantom with PHF at 15mm - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 0.480 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.285 mW/g

SCN/88281JD02/204: Touch Left WLAN802.11b CH6
Date: 26/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

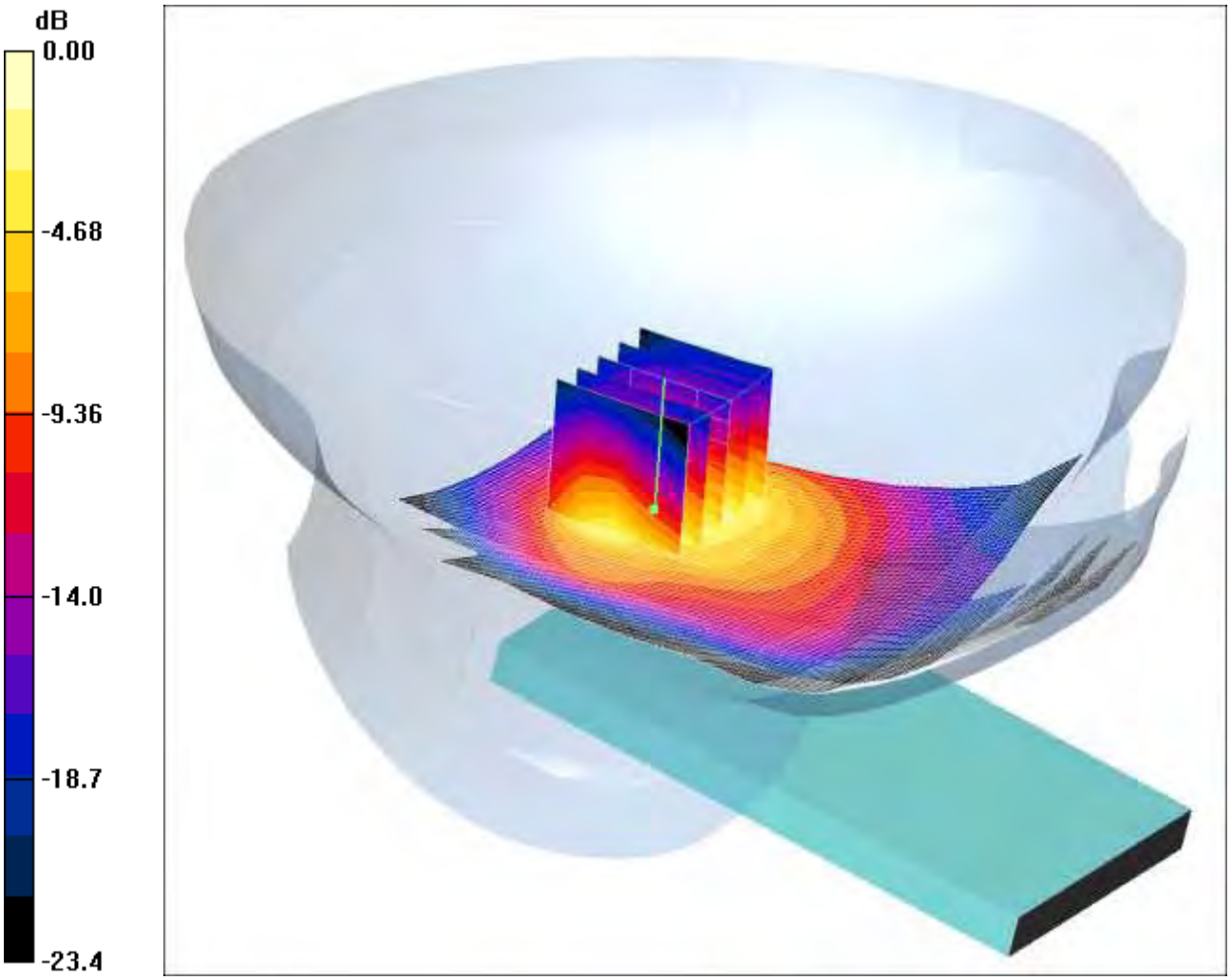


0 dB = 0.348mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.79 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Touch Left - Middle/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.361 mW/g
Touch Left - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.49 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.674 W/kg
SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.348 mW/g

SCN/88281JD02/205: Tilt Left WLAN802.11b CH6
Date: 26/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

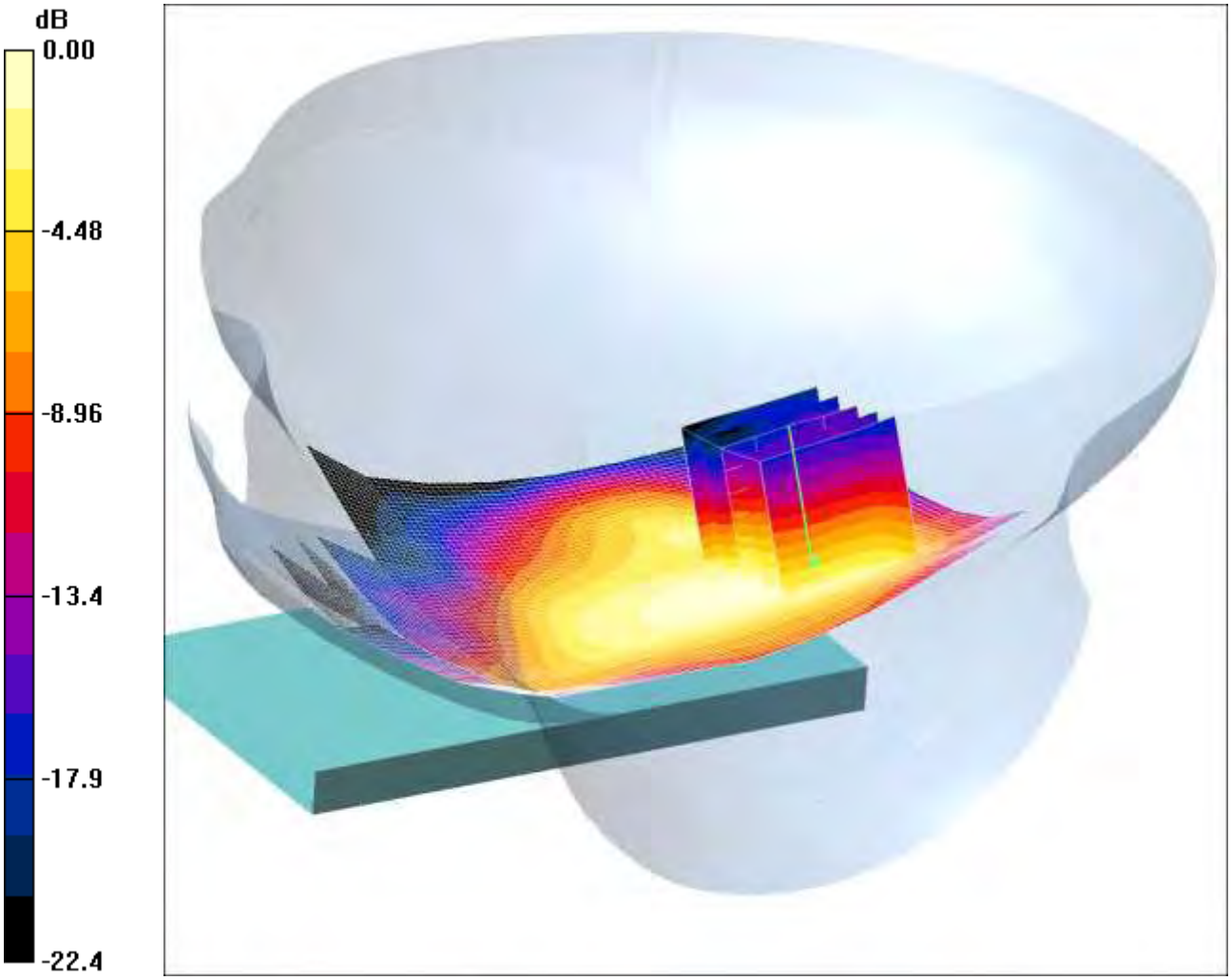


0 dB = 0.357mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.79 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Tilt Left - Middle/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.363 mW/g
Tilt Left - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.21 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.666 W/kg
SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.155 mW/g
Maximum value of SAR (measured) = 0.357 mW/g

SCN/88281JD02/206: Touch Right WLAN802.11b CH6
Date: 26/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

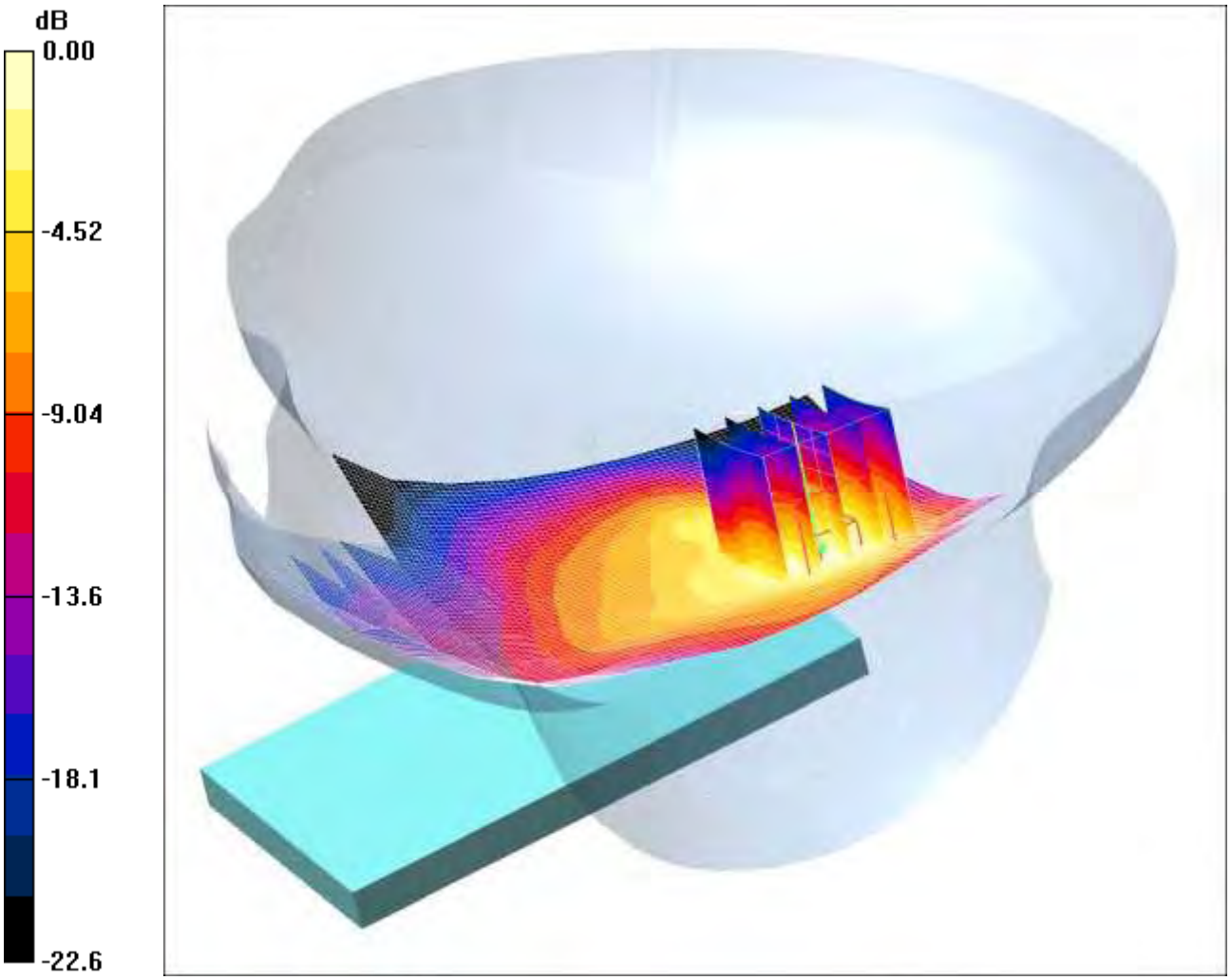


0 dB = 0.147mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.79 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Touch Right - Middle/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.169 mW/g
Touch Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.51 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.147 mW/g

SCN/88281JD02/207: Tilt Right WLAN802.11b CH6
Date: 26/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

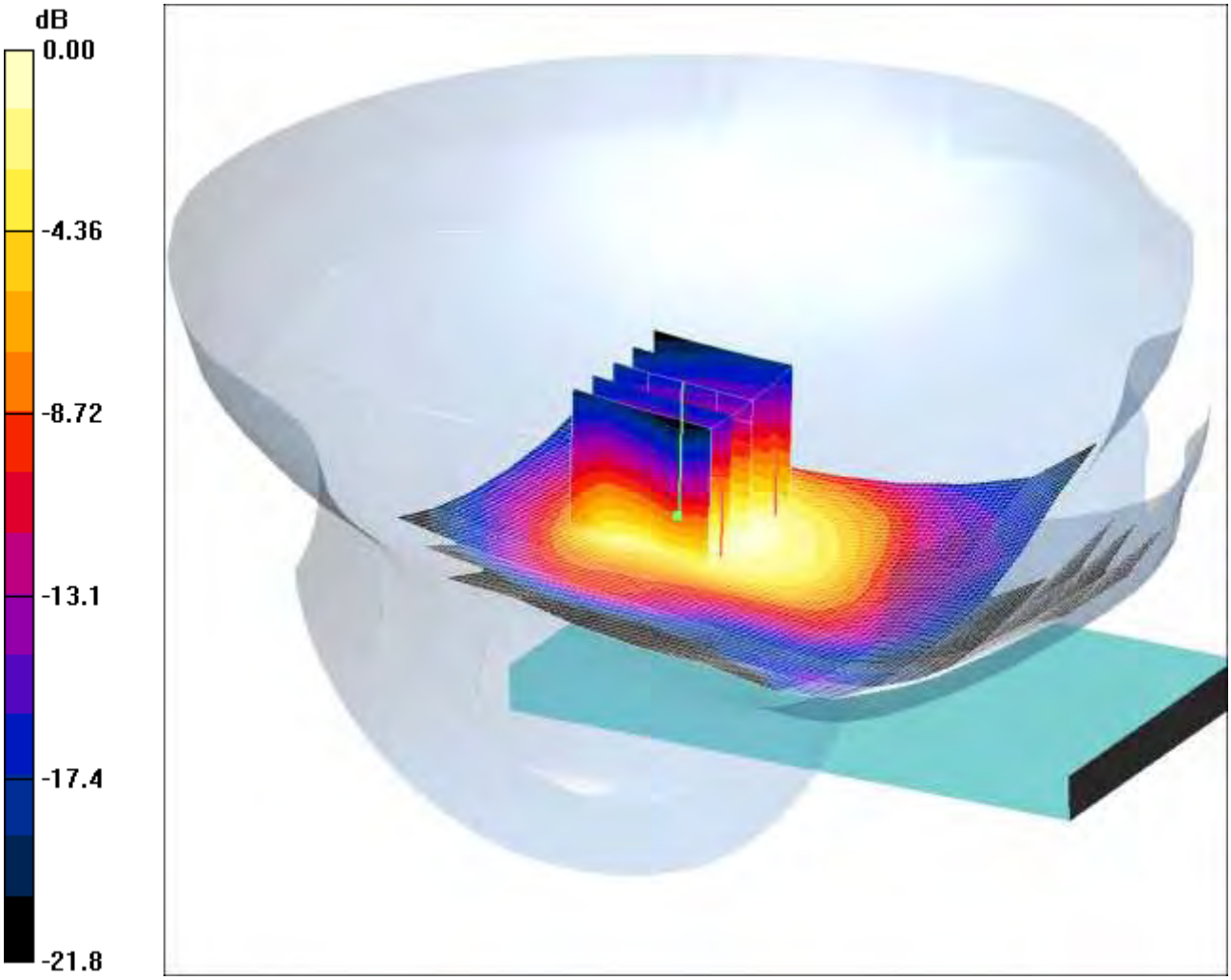


0 dB = 0.163mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.79 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Tilt Right - Middle/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.163 mW/g
Tilt Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.23 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.291 W/kg
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.163 mW/g

SCN/88281JD02/208: Touch Left WLAN802.11b CH1
Date: 26/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

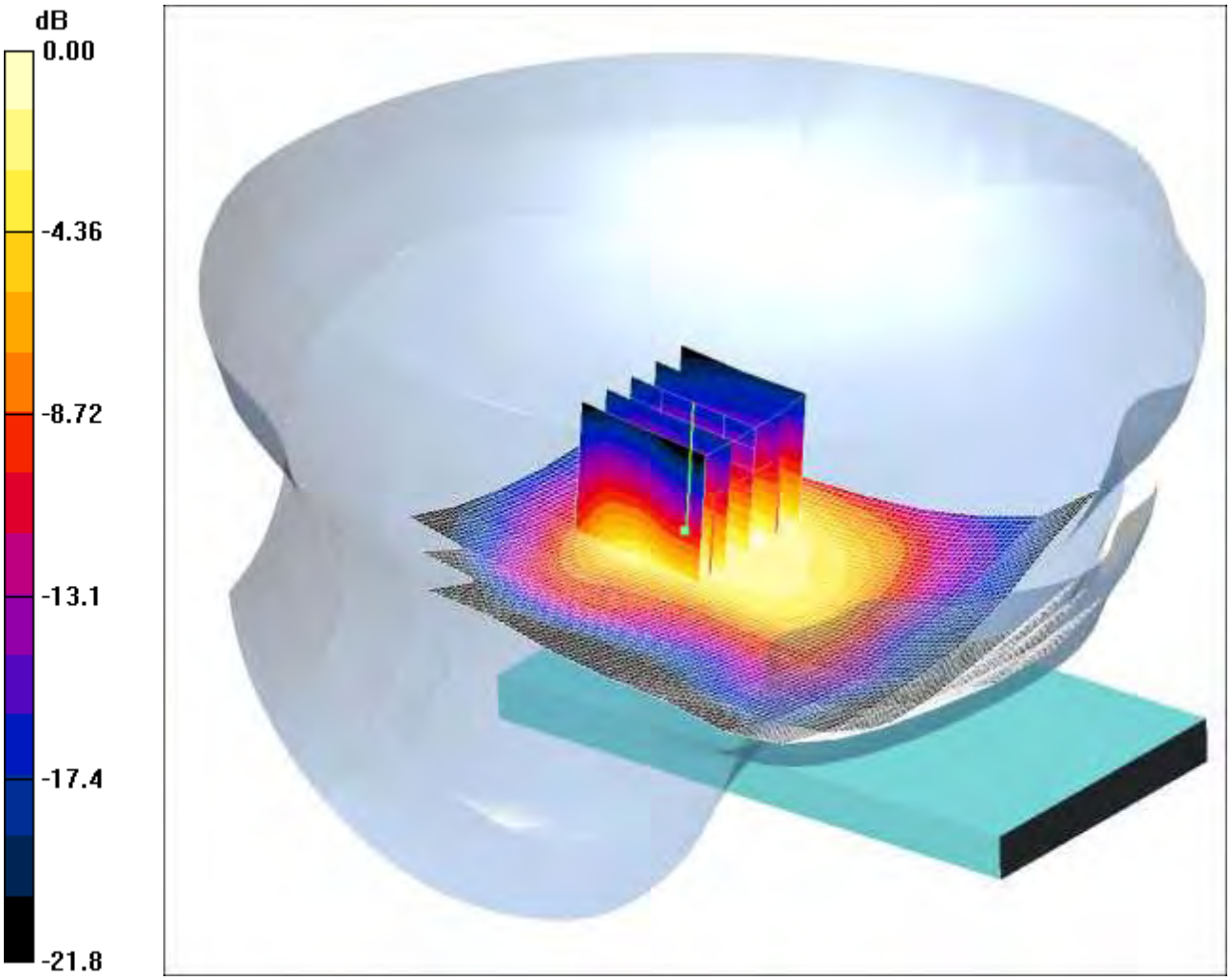


0 dB = 0.453mW/g

Communication System: WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2412 MHz; σ = 1.77 mho/m; ε_r = 38.3; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Touch Left - Low/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.473 mW/g
Touch Left - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.26 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.851 W/kg
SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 0.453 mW/g

SCN/88281JD02/209: Touch Left WLAN802.11b CH11
Date: 26/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

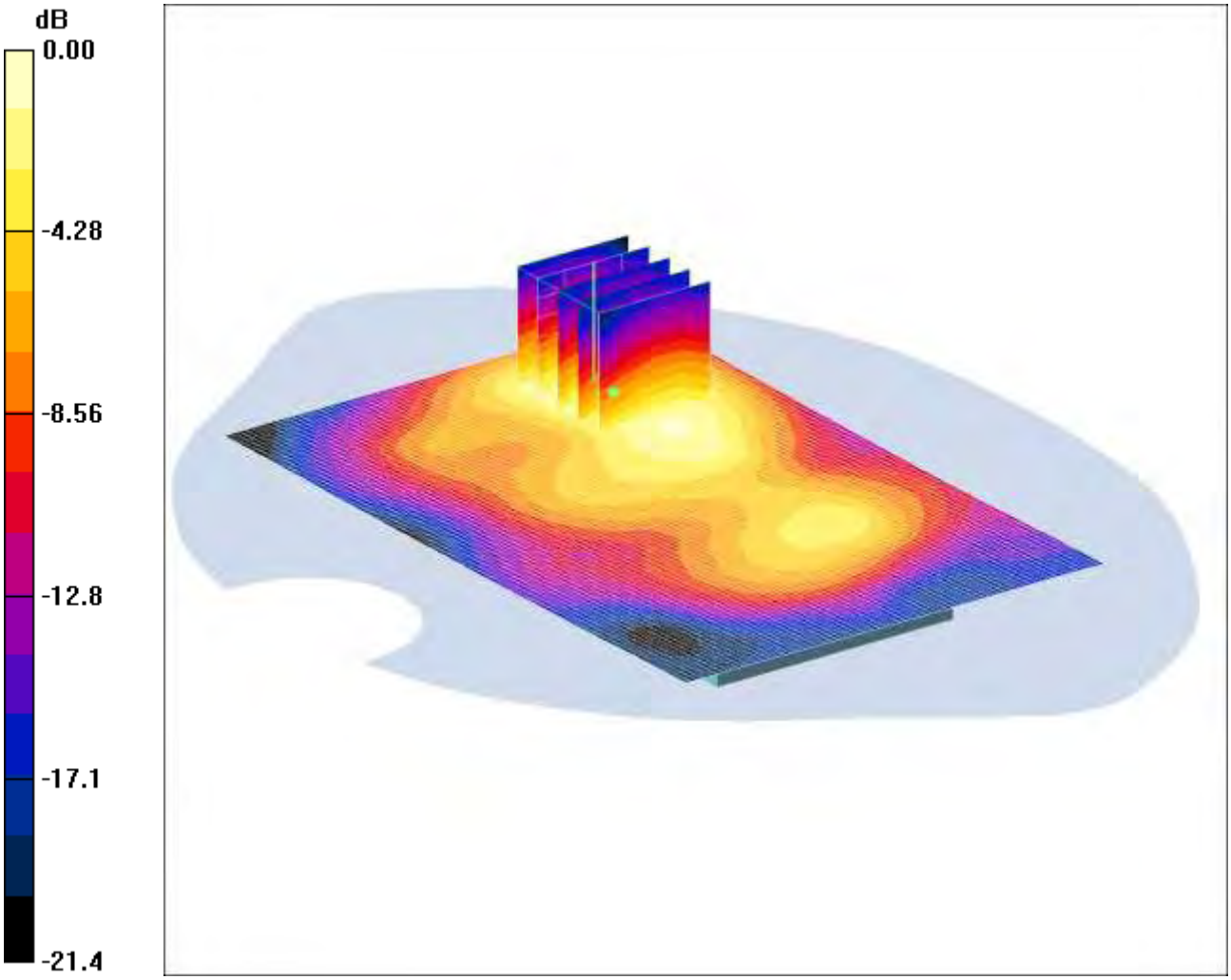


0 dB = 0.305mW/g

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2462 MHz; σ = 1.82 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Touch Left - High/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.296 mW/g
Touch Left - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.01 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.612 W/kg
SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 0.305 mW/g

SCN/88281JD02/210: Front of EUT Facing Phantom WLAN802.11b 1Mbps CH6
Date: 27/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

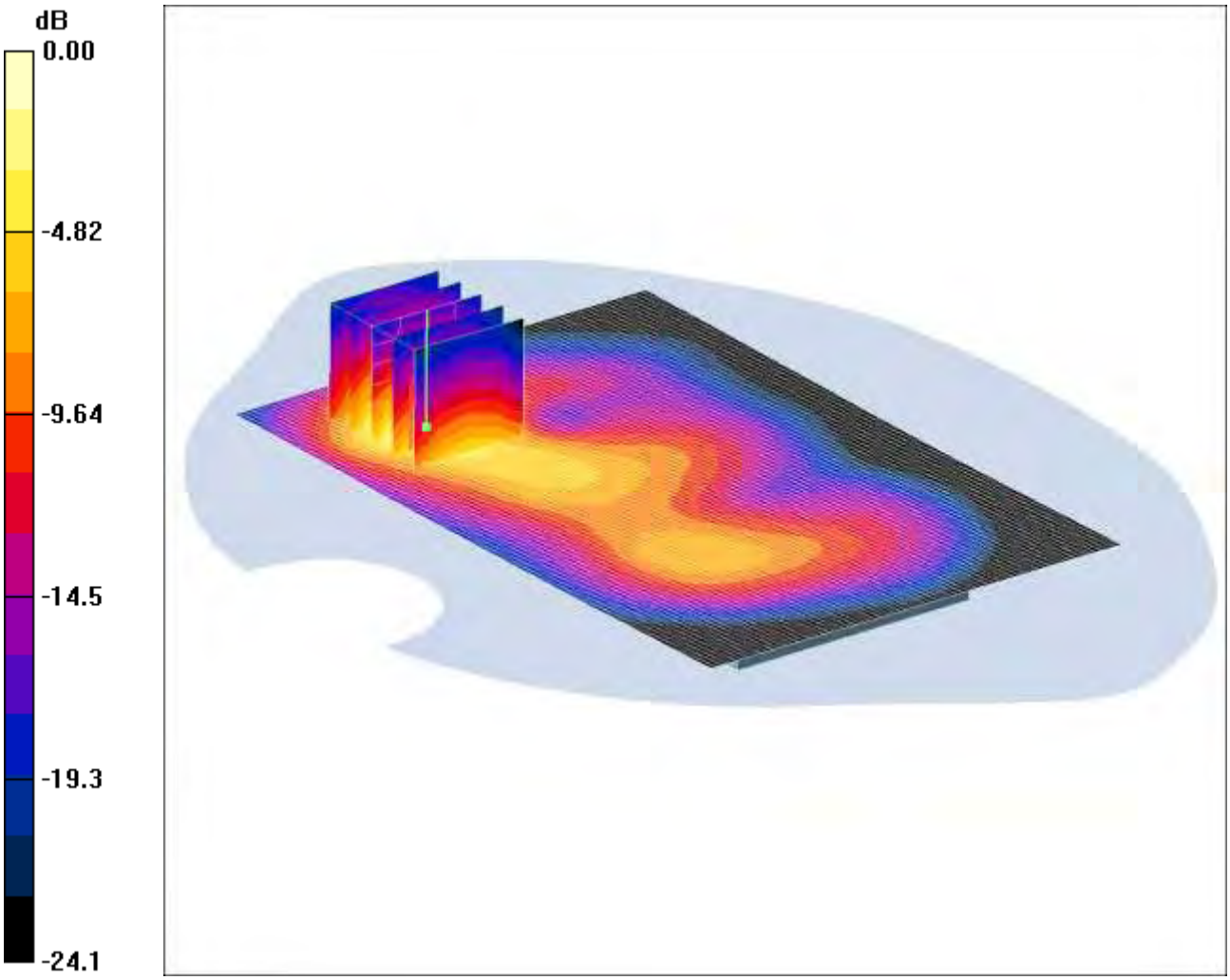


0 dB = 0.086mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Front of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.088 mW/g
Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.49 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.162 W/kg
SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.086 mW/g

SCN/88281JD02/211: Back of EUT Facing Phantom WLAN802.11b 1Mbps CH6
Date: 27/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

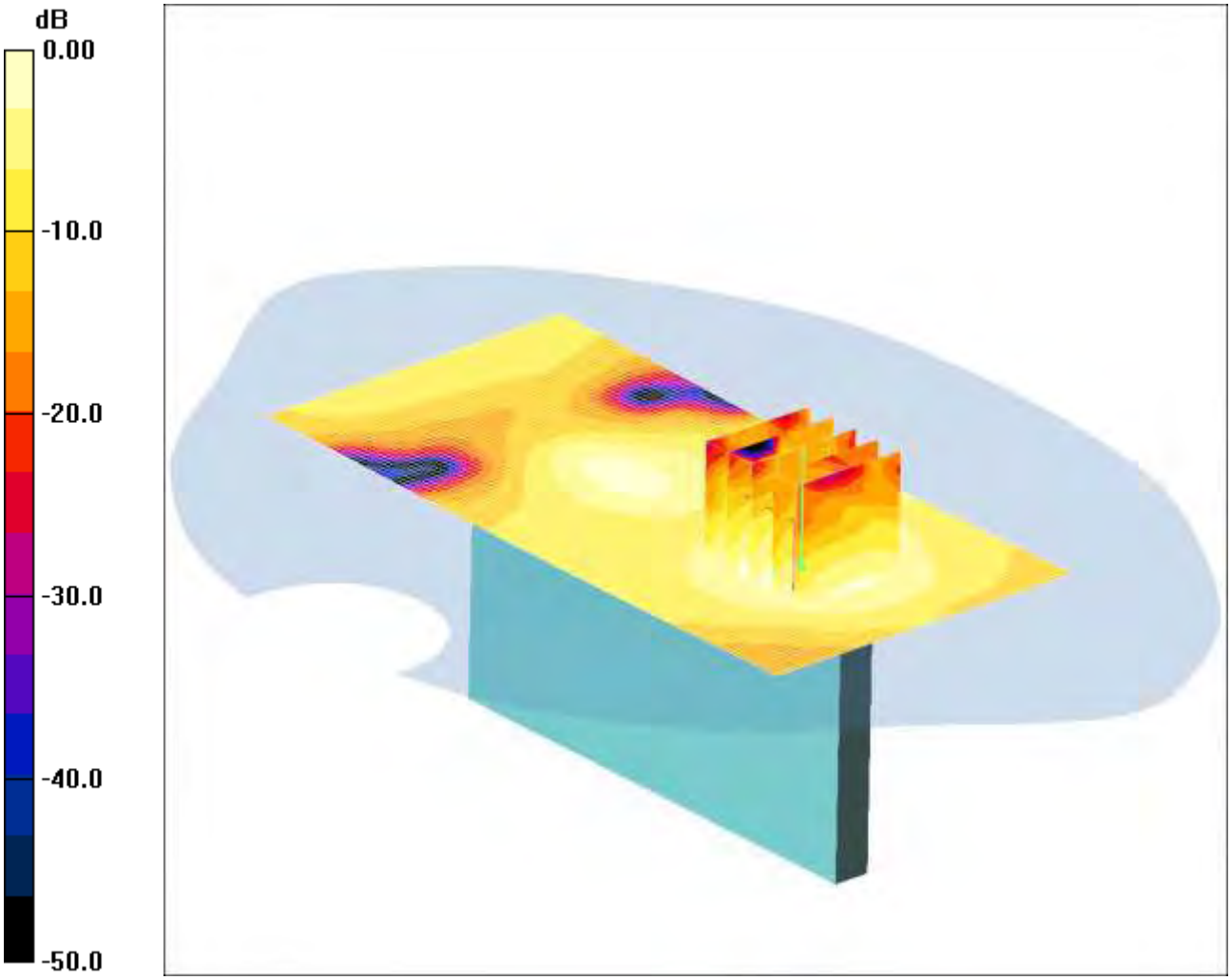


0 dB = 0.397mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.452 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.06 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.859 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.167 mW/g
Maximum value of SAR (measured) = 0.397 mW/g

SCN/88281JD02/212: Left Hand Side of EUT Facing Phantom WLAN802.11b 1Mbps CH6
Date: 27/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

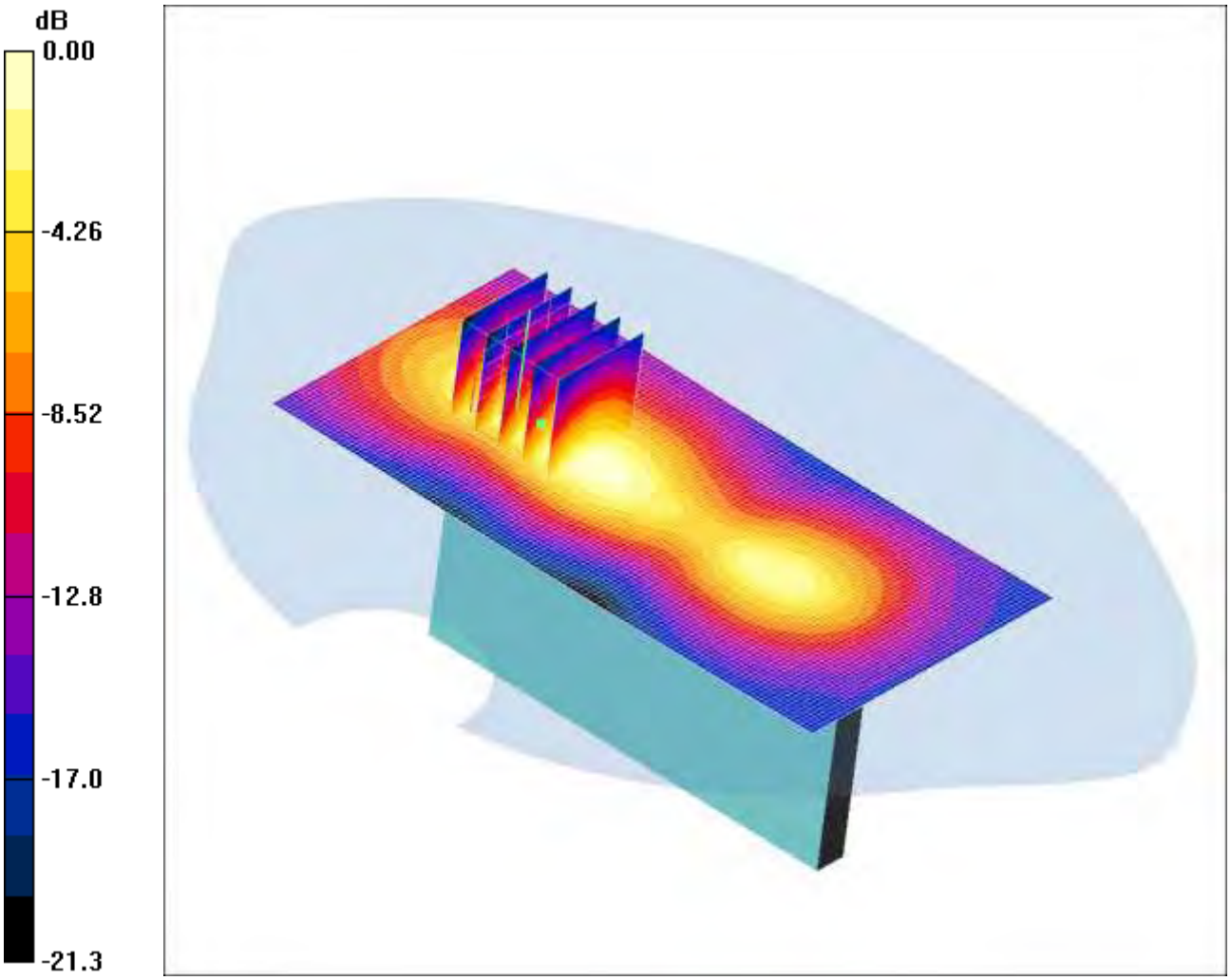


0 dB = 0.017mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Left Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.017 mW/g
Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.98 V/m; Power Drift = 0.183 dB
Peak SAR (extrapolated) = 0.033 W/kg
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00799 mW/g
Maximum value of SAR (measured) = 0.017 mW/g

SCN/88281JD02/213: Right Hand Side of EUT Facing Phantom WLAN802.11b 1Mbps CH6
Date: 27/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

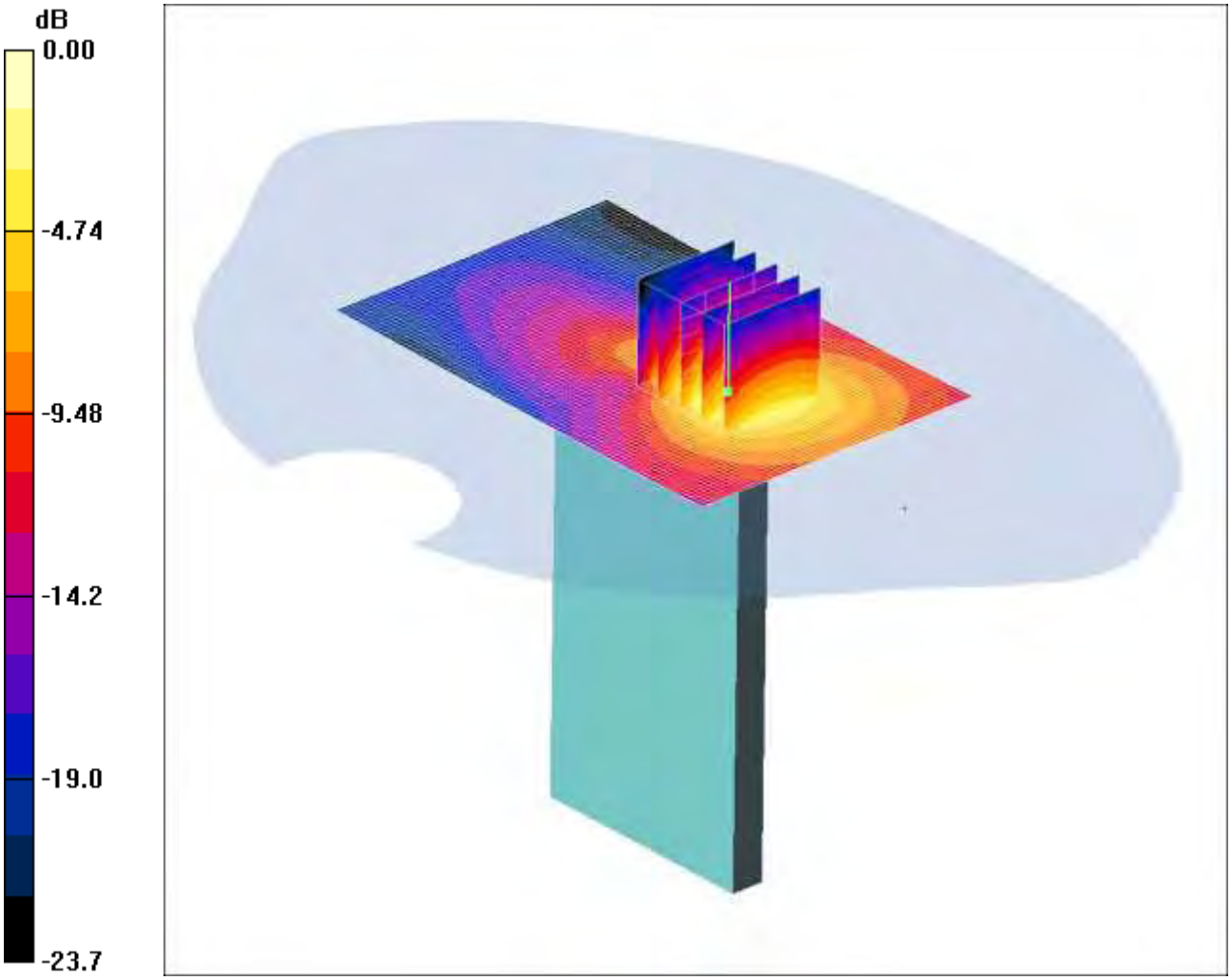


0 dB = 0.162mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.156 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.41 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 0.301 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.162 mW/g

SCN/88281JD02/214: Top of EUT Facing Phantom WLAN802.11b 1Mbps CH6
Date: 28/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

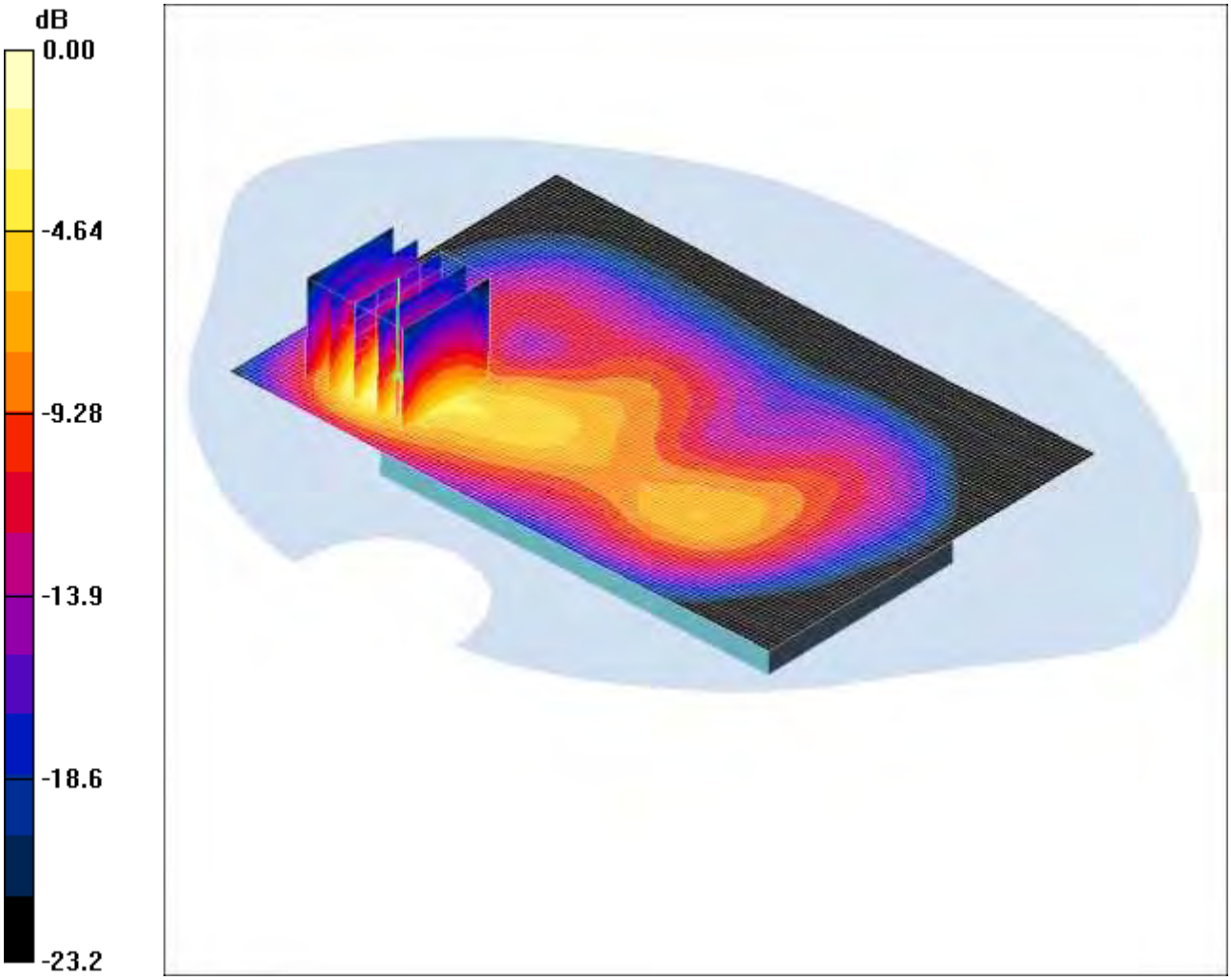


0 dB = 0.191mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.01 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Top of EUT Facing Phantom - Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.208 mW/g
Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.07 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.191 mW/g

SCN/88281JD02/215: Back of EUT Facing Phantom WLAN802.11b 1Mbps CH1
Date: 28/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

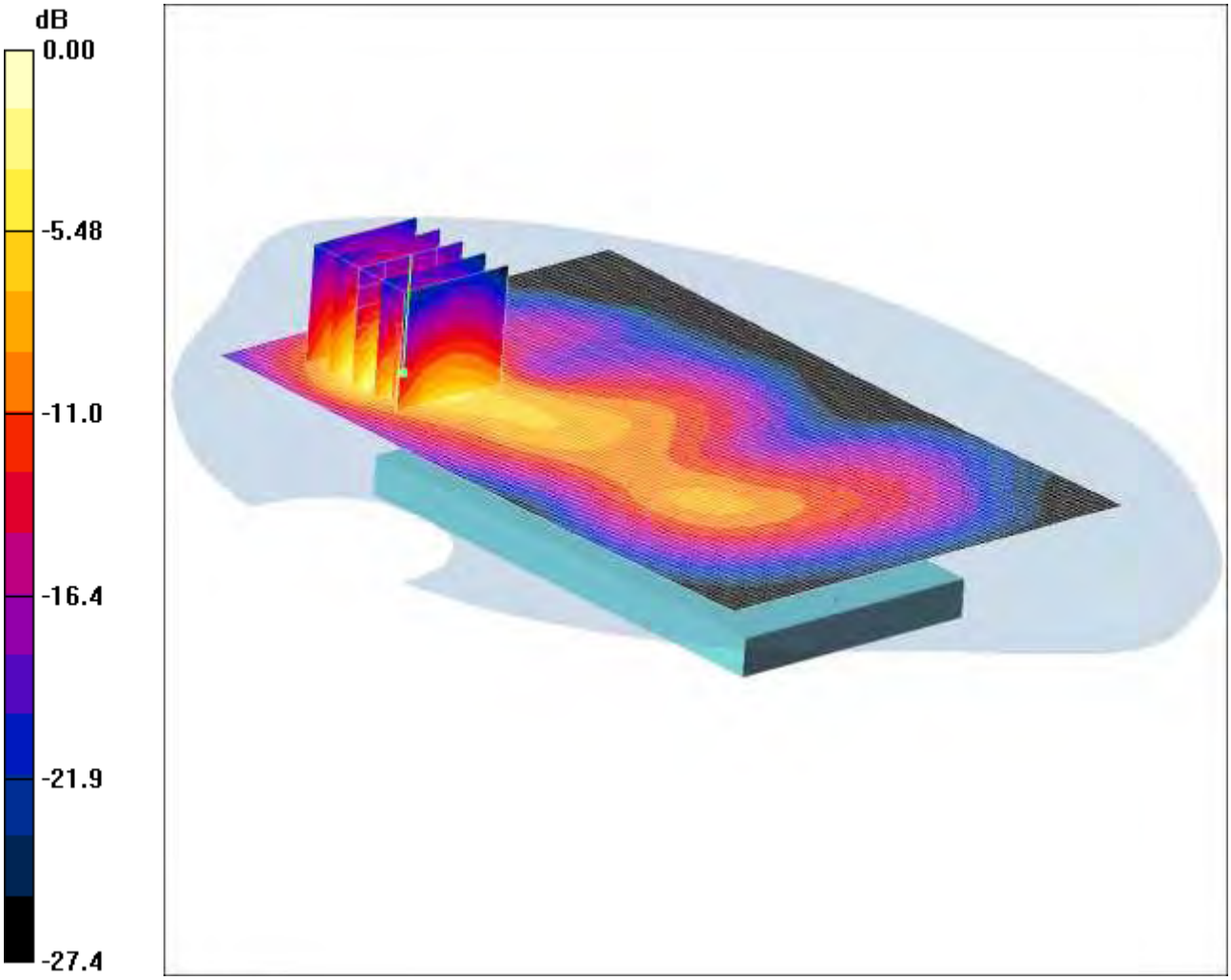


0 dB = 0.455mW/g

Communication System: WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2412 MHz; σ = 1.99 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom -Low/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.455 mW/g
Back of EUT Facing Phantom -Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.49 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 0.878 W/kg
SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 0.455 mW/g

SCN/88281JD02/216: Back of EUT Facing Phantom WLAN802.11b 1Mbps CH11
Date: 28/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

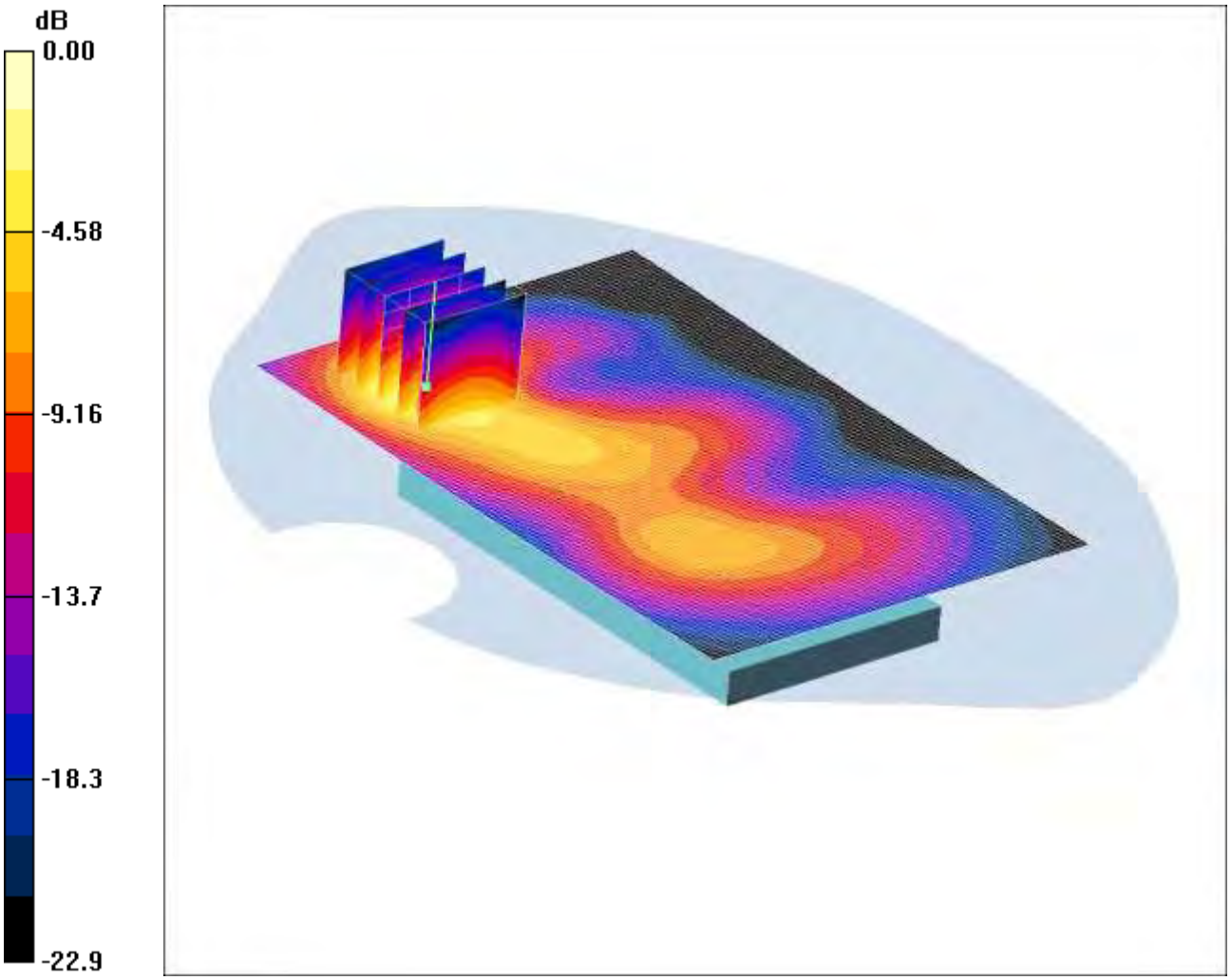


0 dB = 0.494mW/g

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.04 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom -High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.499 mW/g
Back of EUT Facing Phantom -High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.80 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.494 mW/g

SCN/88281JD02/217: Back of EUT Facing Phantom at 15mm WLAN802.11b 1Mbps CH11
Date 28/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

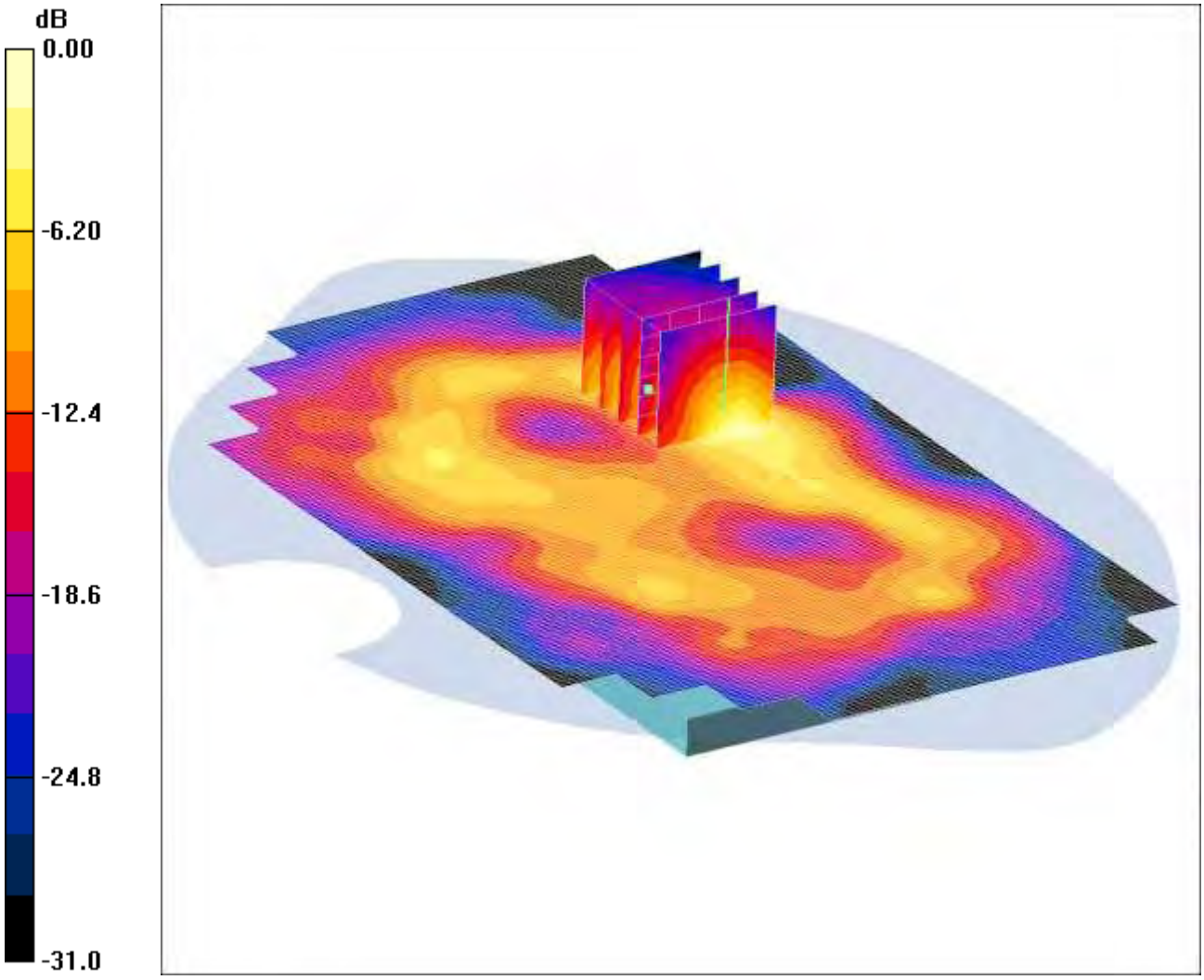


0 dB = 0.196mW/g

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.04 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom at 15mm - High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.195 mW/g
Back of EUT Facing Phantom at 15mm - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.94 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 0.377 W/kg
SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.196 mW/g

SCN/88281JD02/218: Back of EUT Facing Phantom at 15mm with PHF WLAN802.11b 1Mbps CH11
Date 28/06/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

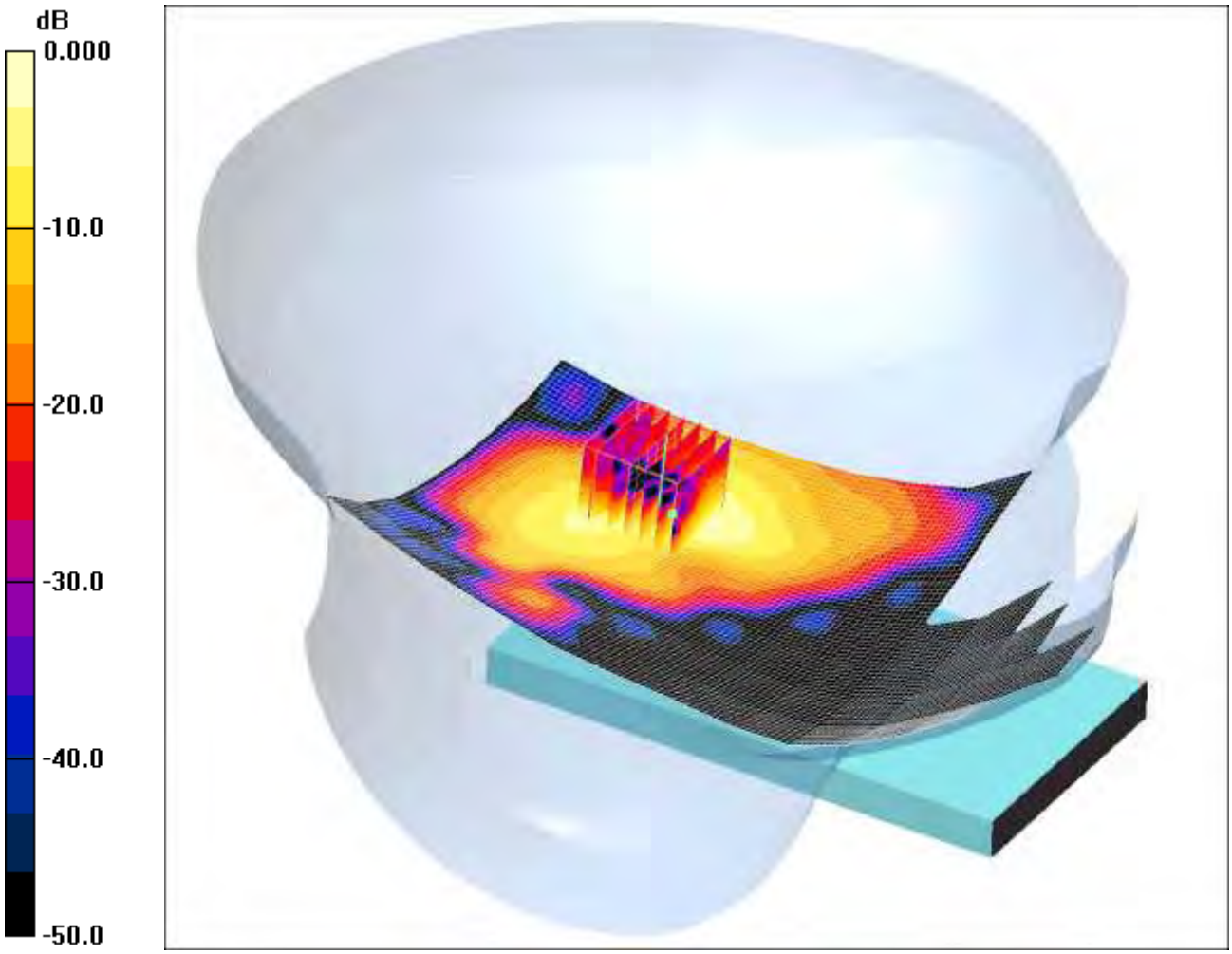


0 dB = 0.367mW/g

Communication System: WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2462 MHz; σ = 2.04 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Back of EUT Facing Phantom at 15mm with PHF - High/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.296 mW/g
Back of EUT Facing Phantom at 15mm with PHF - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.51 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.895 W/kg
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.367 mW/g

SCN/88281JD02/219: Touch Left 5.0GHz WLAN802.11a 6Mbps CH36
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

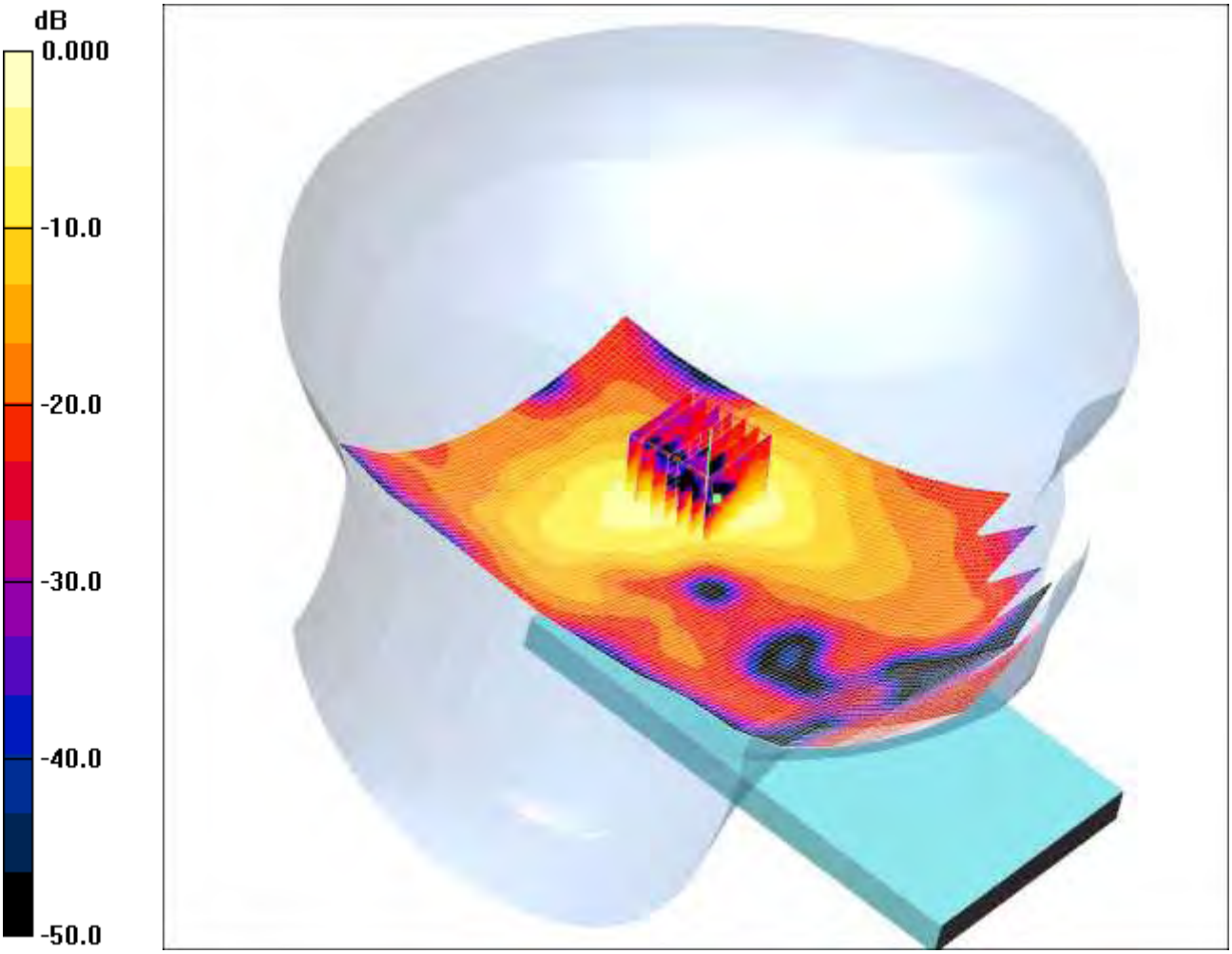


0 dB = 1.21mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5180 MHz; σ = 4.53 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle 2/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.18 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.27 V/m; Power Drift = 0.158 dB
Peak SAR (extrapolated) = 2.70 W/kg
SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 1.21 mW/g

SCN/88281JD02/220: Tilt Left 5.0GHz WLAN802.11a 6Mbps CH36
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

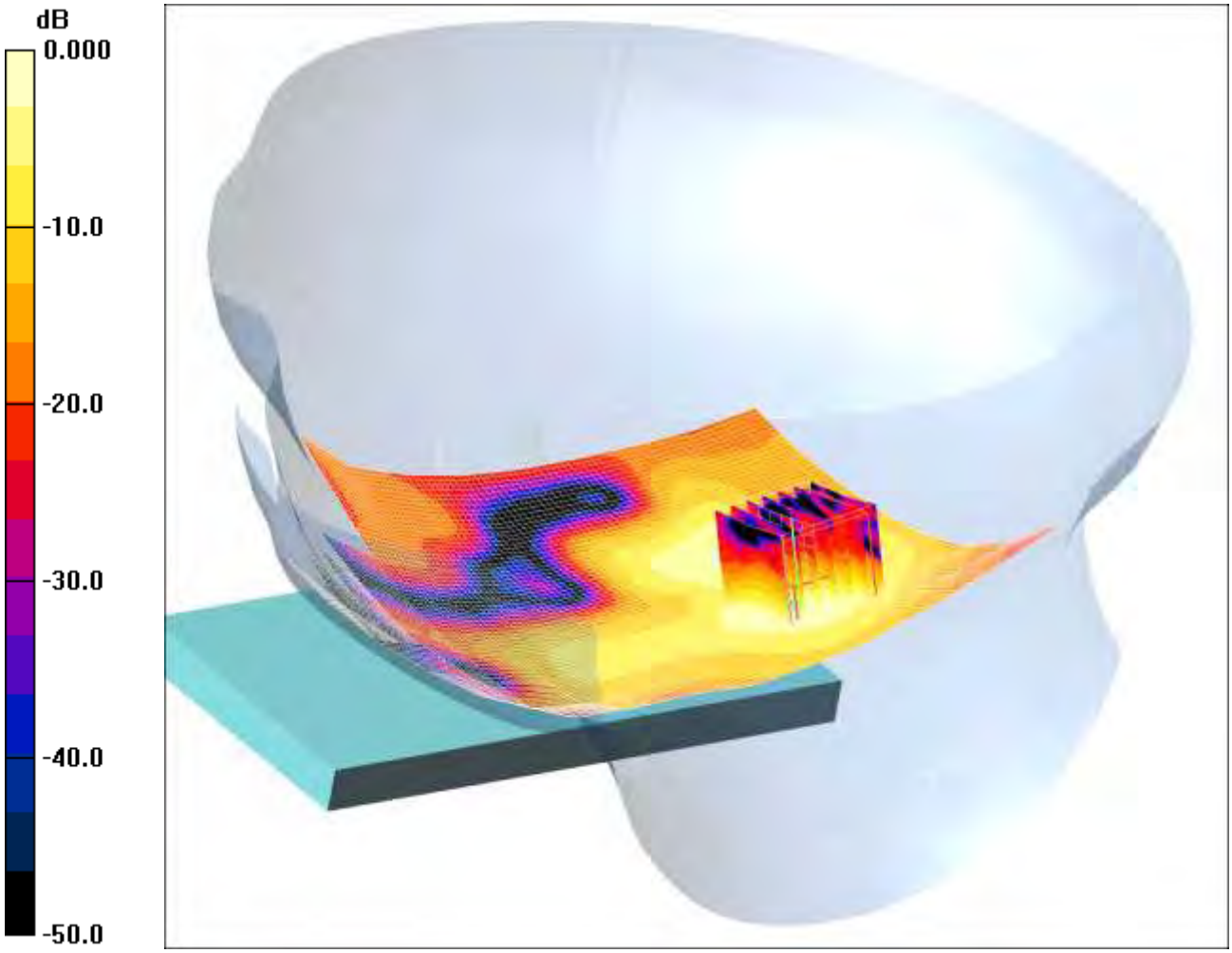


0 dB = 0.832mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5180 MHz; σ = 4.53 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Left - Middle 2 2 2/Area Scan (71x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.503 mW/g
Tilt Left - Middle 2 2 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.23 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.114 mW/g
Maximum value of SAR (measured) = 0.832 mW/g

SCN/88281JD02/221: Touch Right 5.0GHz WLAN802.11a 6Mbps CH36
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

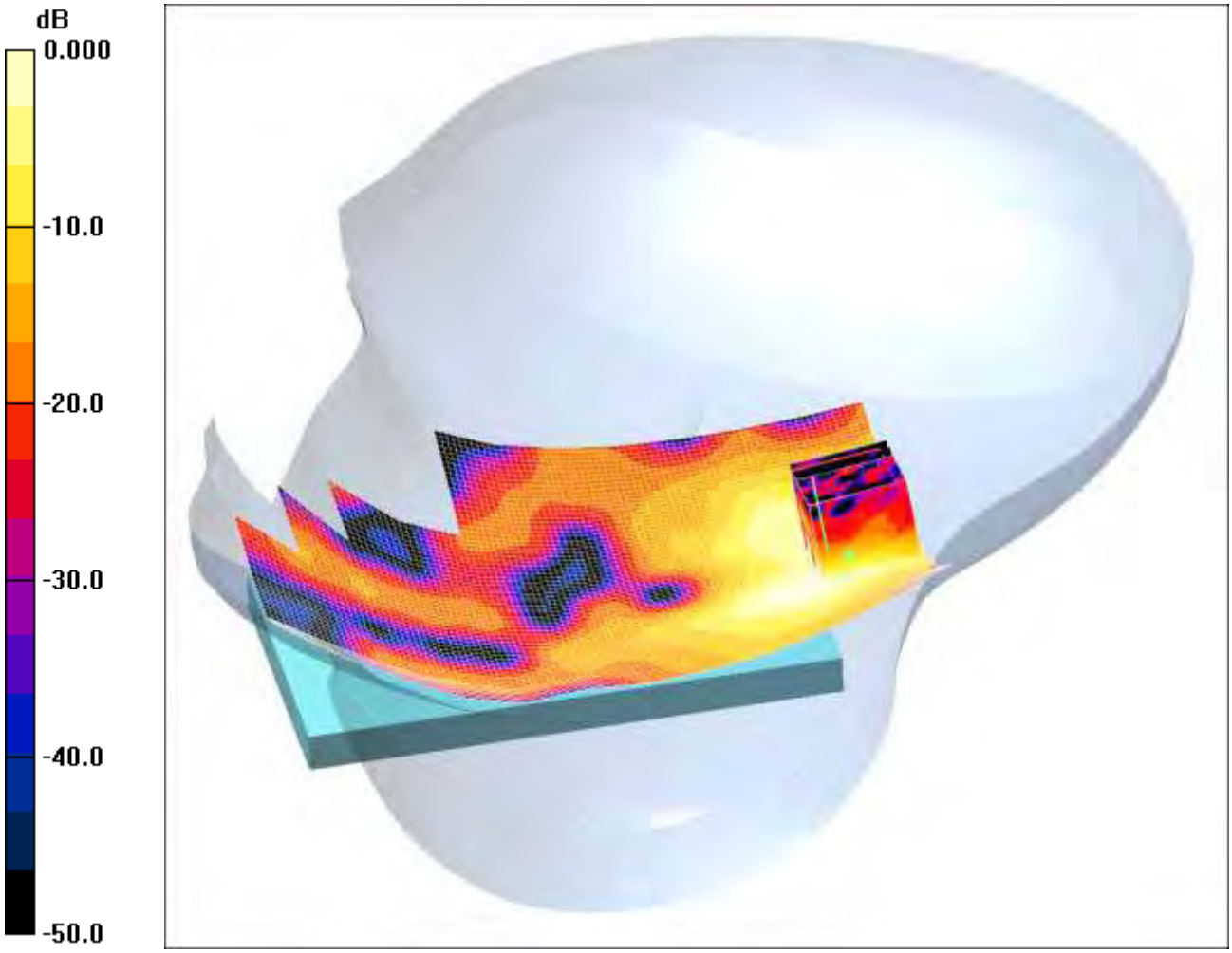


0 dB = 0.412mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5180 MHz; σ = 4.53 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

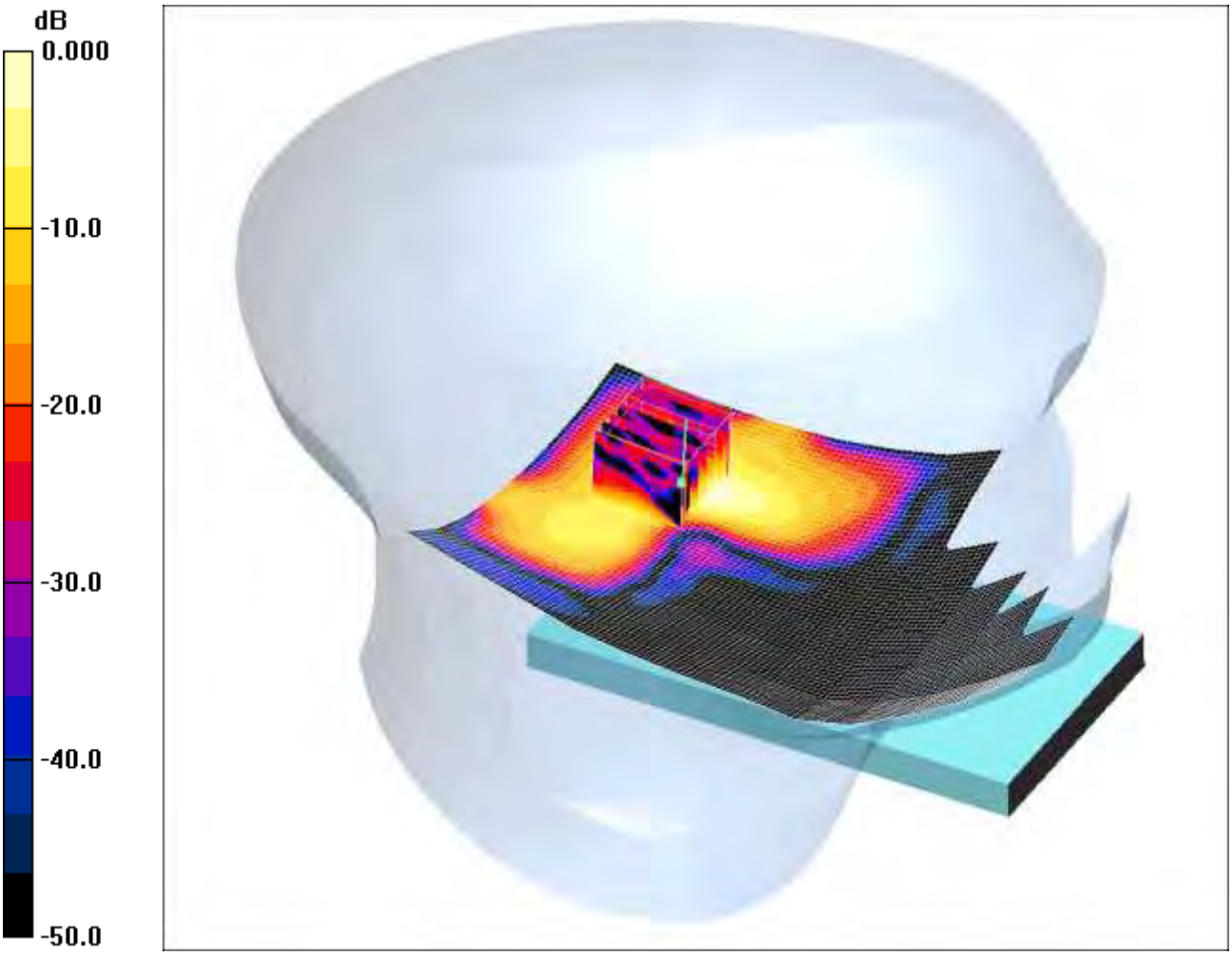
Touch Right- Middle 2/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.389 mW/g
Touch Right- Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.80 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 0.879 W/kg
SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.412 mW/g

SCN/88281JD02/222: Tilt Right 5.0GHz WLAN802.11a 6Mbps CH36
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4



0 dB = 0.415mW/g
Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5180 MHz; σ = 4.53 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Tilt Right- Middle 2 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.382 mW/g
Tilt Right- Middle 2 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.18 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.897 W/kg
SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.415 mW/g

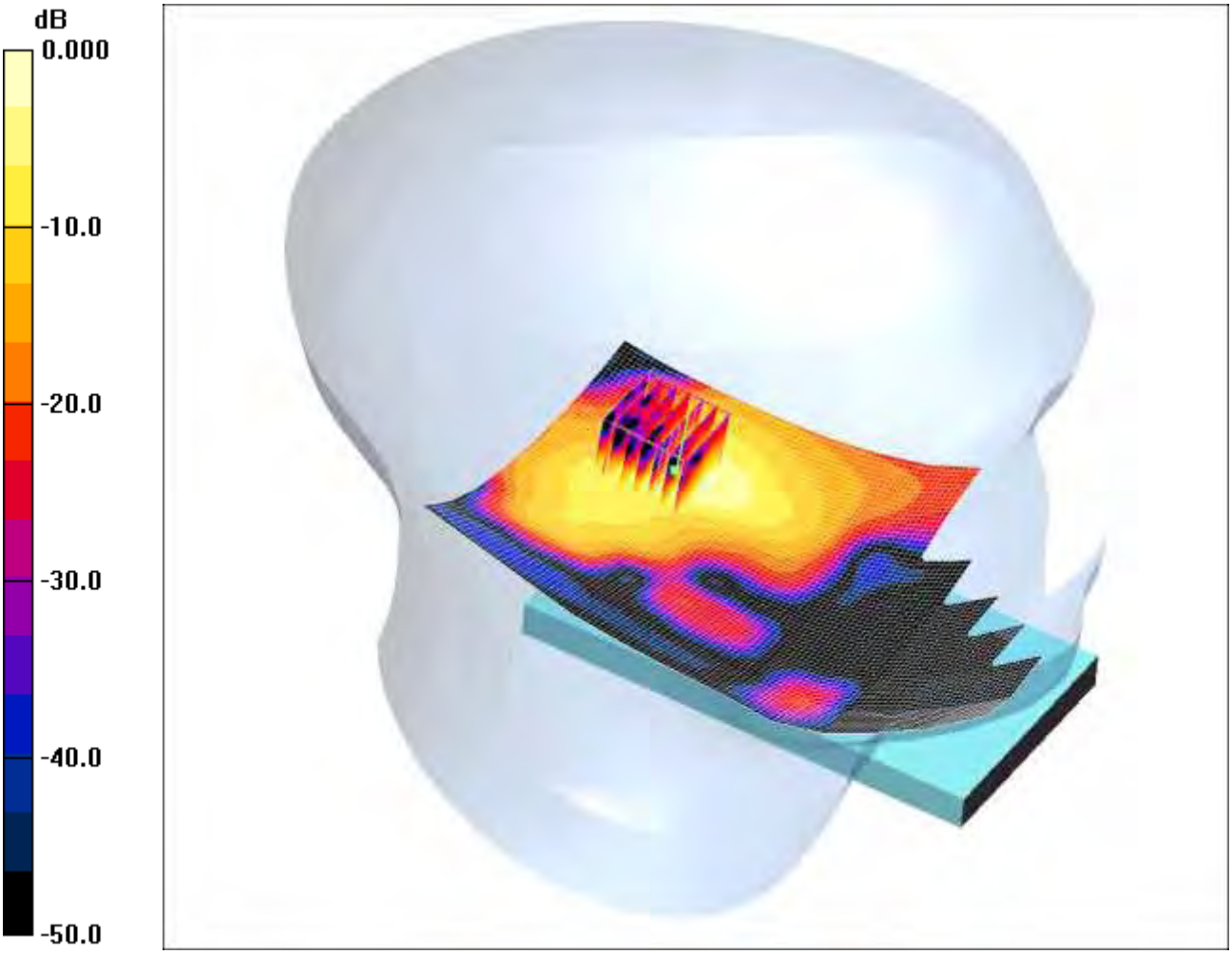
SCN/88281JD02/223: Touch Left 5.0GHz WLAN802.11a 6Mbps CH136
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4



0 dB = 0.979mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5680 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5680 MHz; σ = 5.05 mho/m; ε_r = 35.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.54, 4.54, 4.54); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.29 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 2.73 W/kg
SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.979 mW/g

SCN/88281JD02/224: Touch Left 5.0GHz WLAN802.11a 6Mbps CH52
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

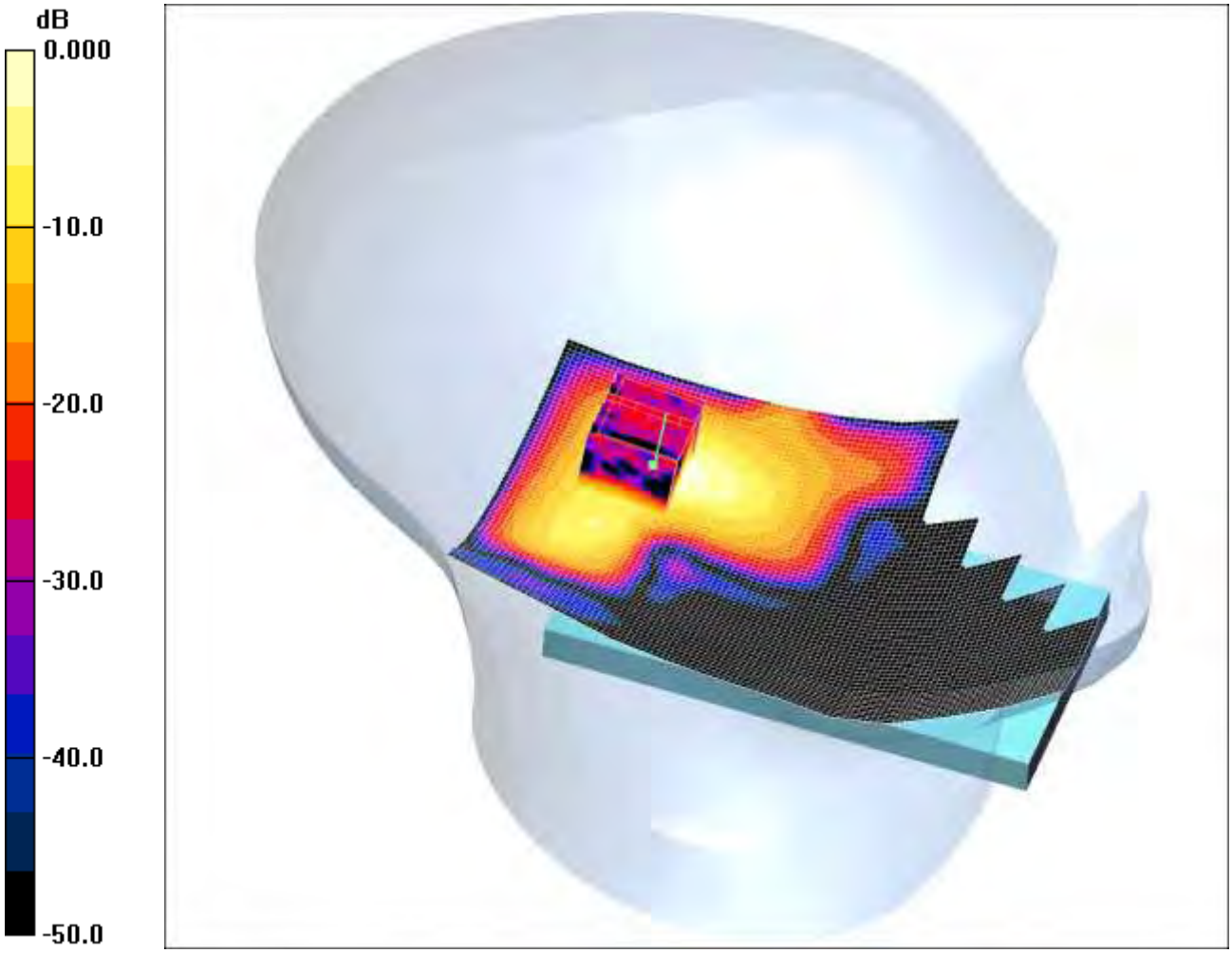


0 dB = 1.50mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5260 MHz; σ = 4.61 mho/m; ε_r = 36.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.8, 4.8, 4.8); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.39 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.88 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 3.34 W/kg
SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 1.50 mW/g

SCN/88281JD02/225: Touch Left 5.0GHz WLAN802.11a 6Mbps CH104
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

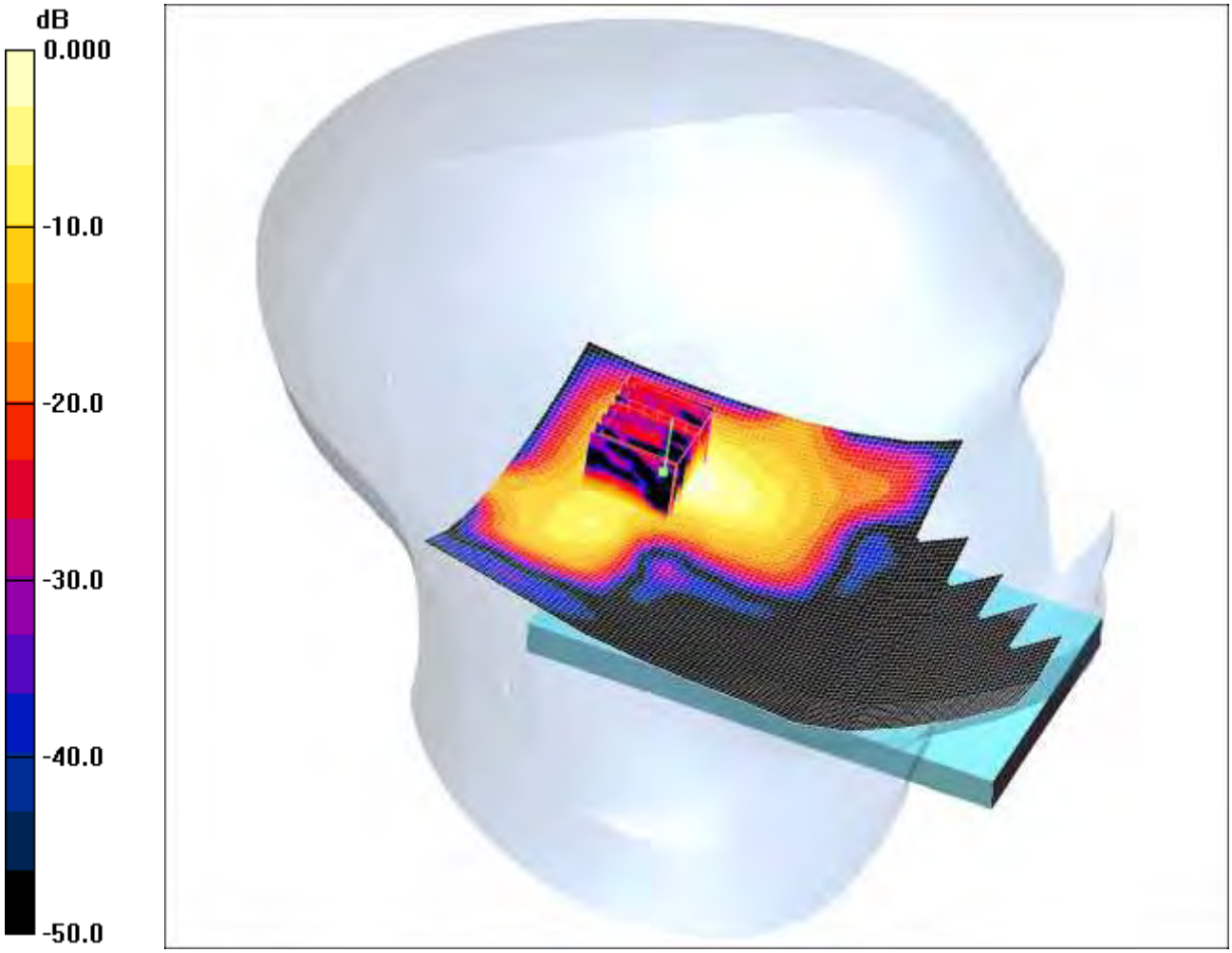


0 dB = 1.10mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5520 MHz; σ = 4.87 mho/m; ε_r = 36; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.67, 4.67, 4.67); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

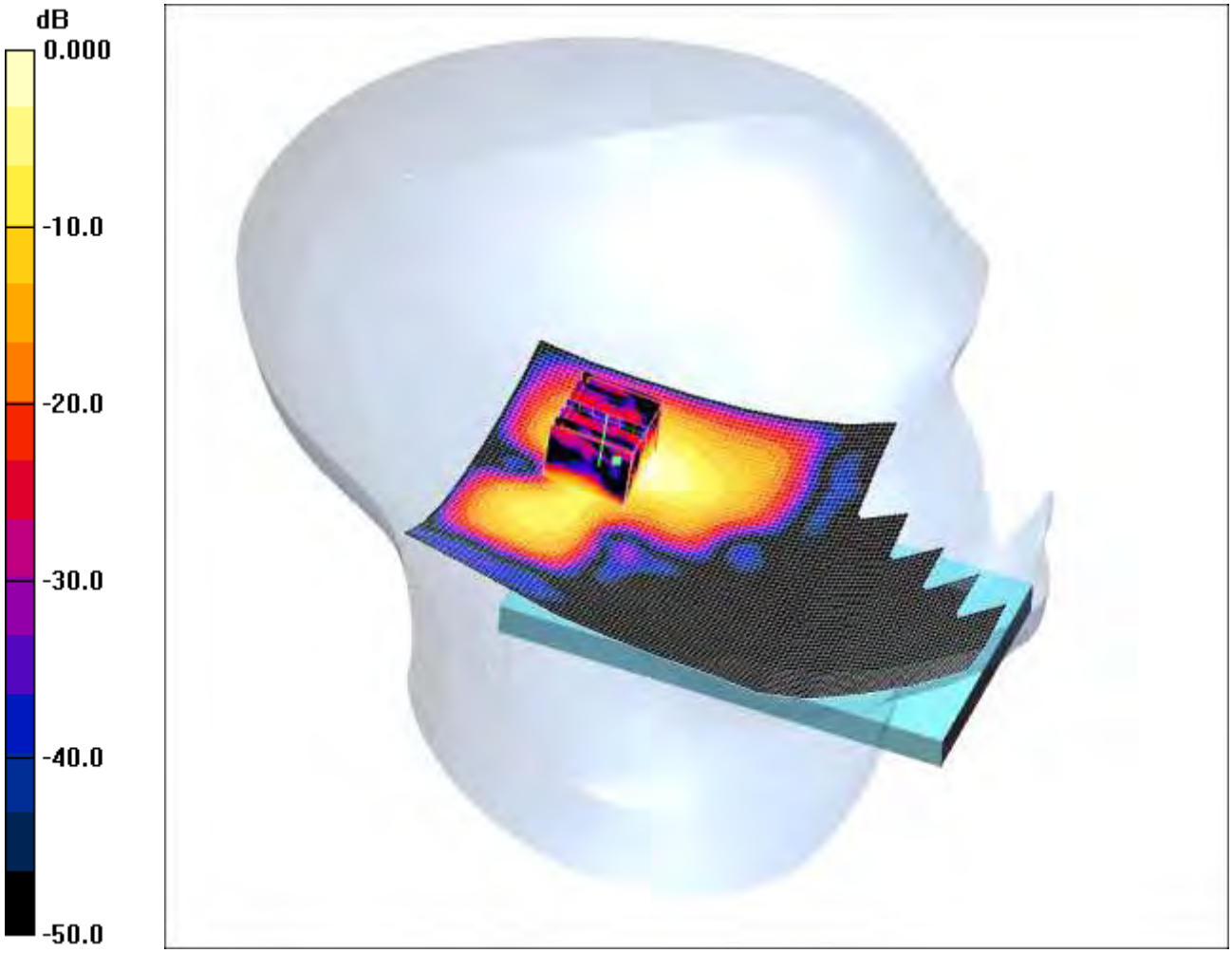
Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.24 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.12 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 2.38 W/kg
SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 1.10 mW/g

SCN/88281JD02/226: Touch Left 5.0GHz WLAN802.11a 6Mbps CH116
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4



0 dB = 0.989mW/g
Communication System: WLAN 802.11a UNII; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5580 MHz; σ = 4.94 mho/m; ε_r = 36; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.54, 4.54, 4.54); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.53 V/m; Power Drift = 0.070 dB
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.989 mW/g

SCN/88281JD02/227: Touch Left 5.0GHz WLAN802.11a 6Mbps CH124
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

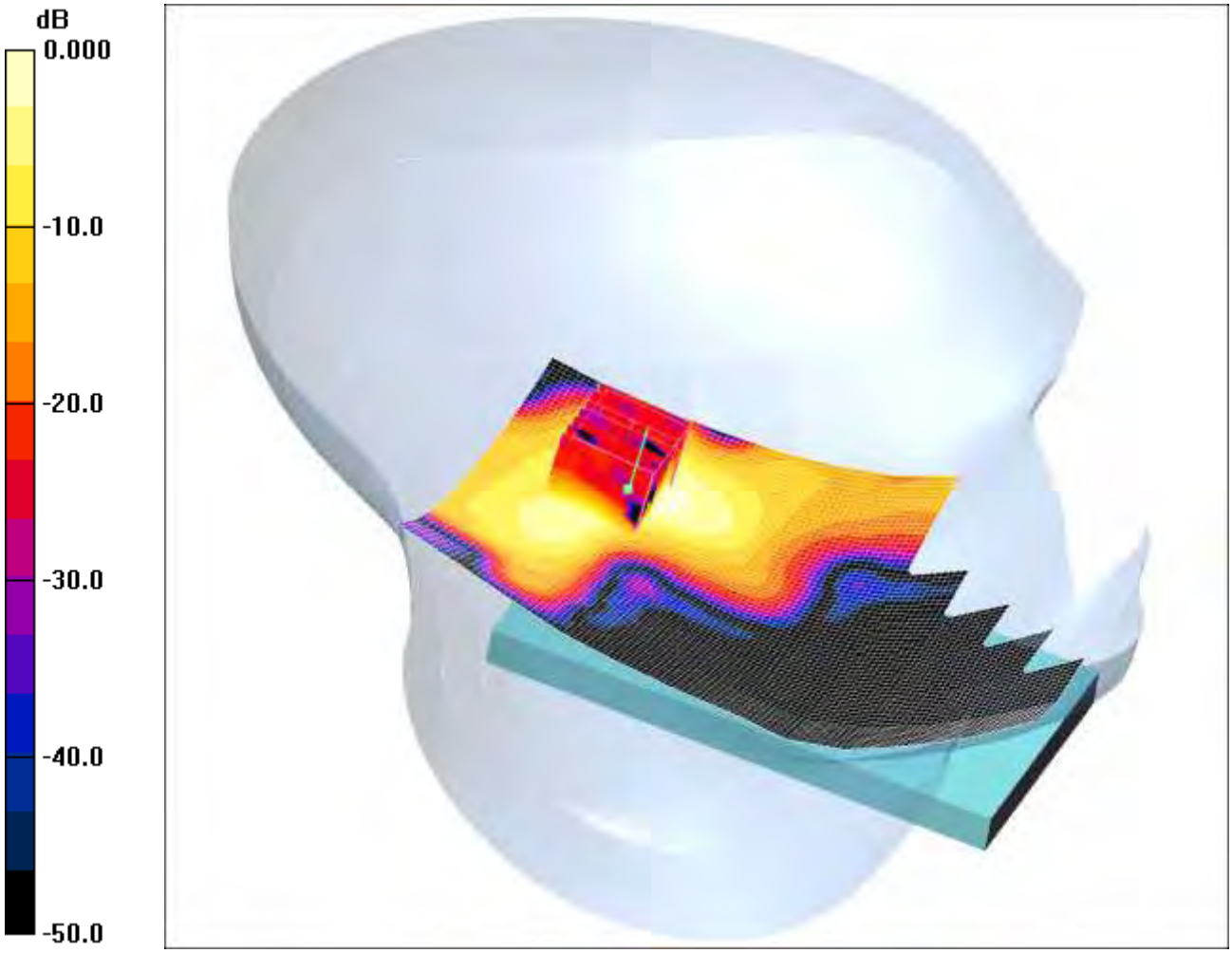


0 dB = 0.997mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5620 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5620 MHz; σ = 4.98 mho/m; ε_r = 35.9; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.54, 4.54, 4.54); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

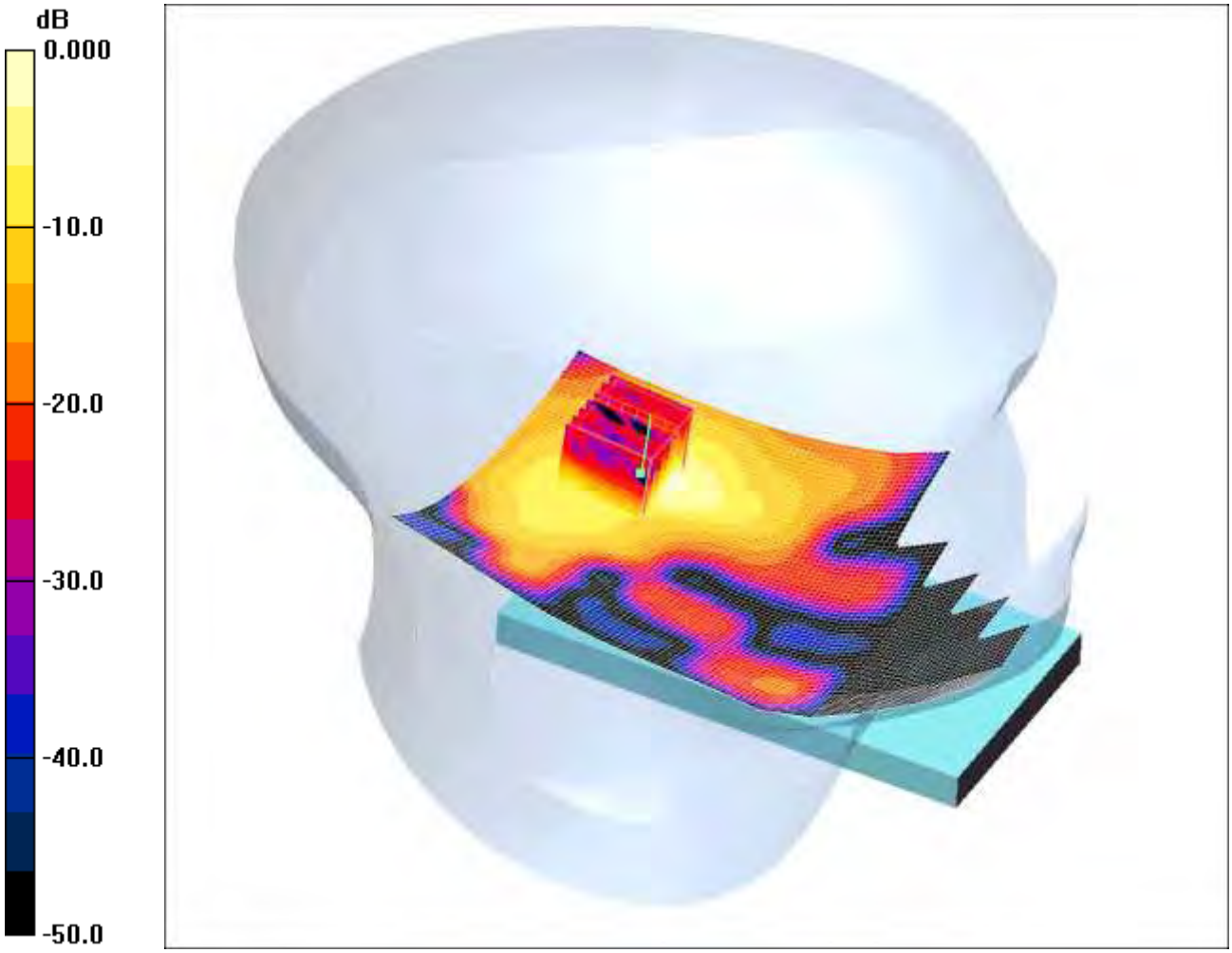
Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.23 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.58 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 2.22 W/kg
SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.137 mW/g
Maximum value of SAR (measured) = 0.997 mW/g

SCN/88281JD02/228: Touch Left 5.0GHz WLAN802.11a 6Mbps CH165
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4



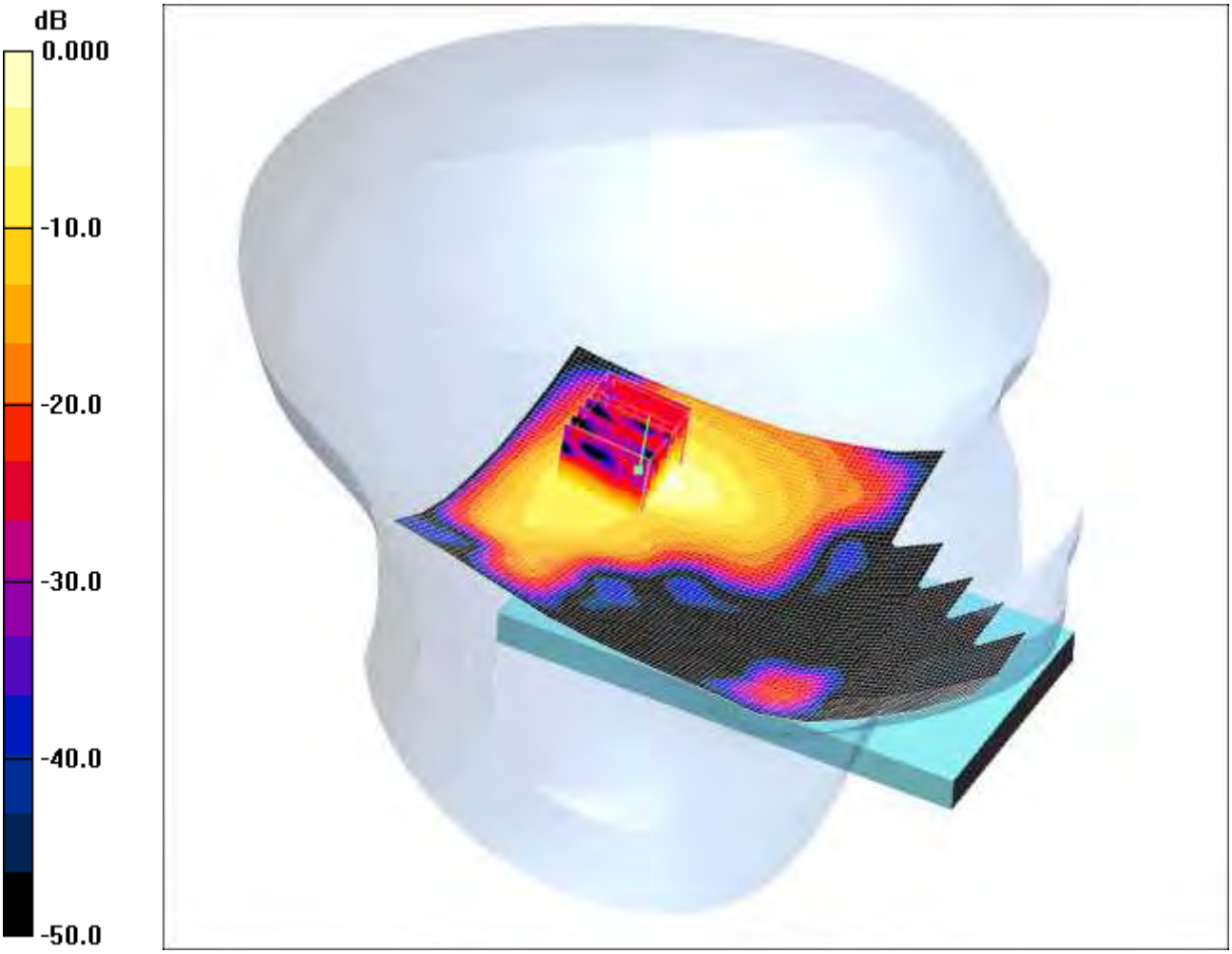
0 dB = 0.834mW/g
Communication System: WLAN 802.11a UNII; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5825 MHz; σ = 5.21 mho/m; ε_r = 35.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.48, 4.48, 4.48); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.877 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.15 V/m; Power Drift = 0.136 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.120 mW/g
Maximum value of SAR (measured) = 0.834 mW/g

SCN/88281JD02/229: Touch Left 5.0GHz WLAN802.11n HT40 13.5Mbps CH38
Date: 14/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4



0 dB = 0.908mW/g
Communication System: WLAN 802.11n HT40; Frequency: 5190 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5190 MHz; σ = 4.54 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.914 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.74 V/m; Power Drift = 0.179 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.908 mW/g

SCN/88281JD02/230: Touch Left 5.0GHz WLAN802.11n HT40 13.5Mbps CH54
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

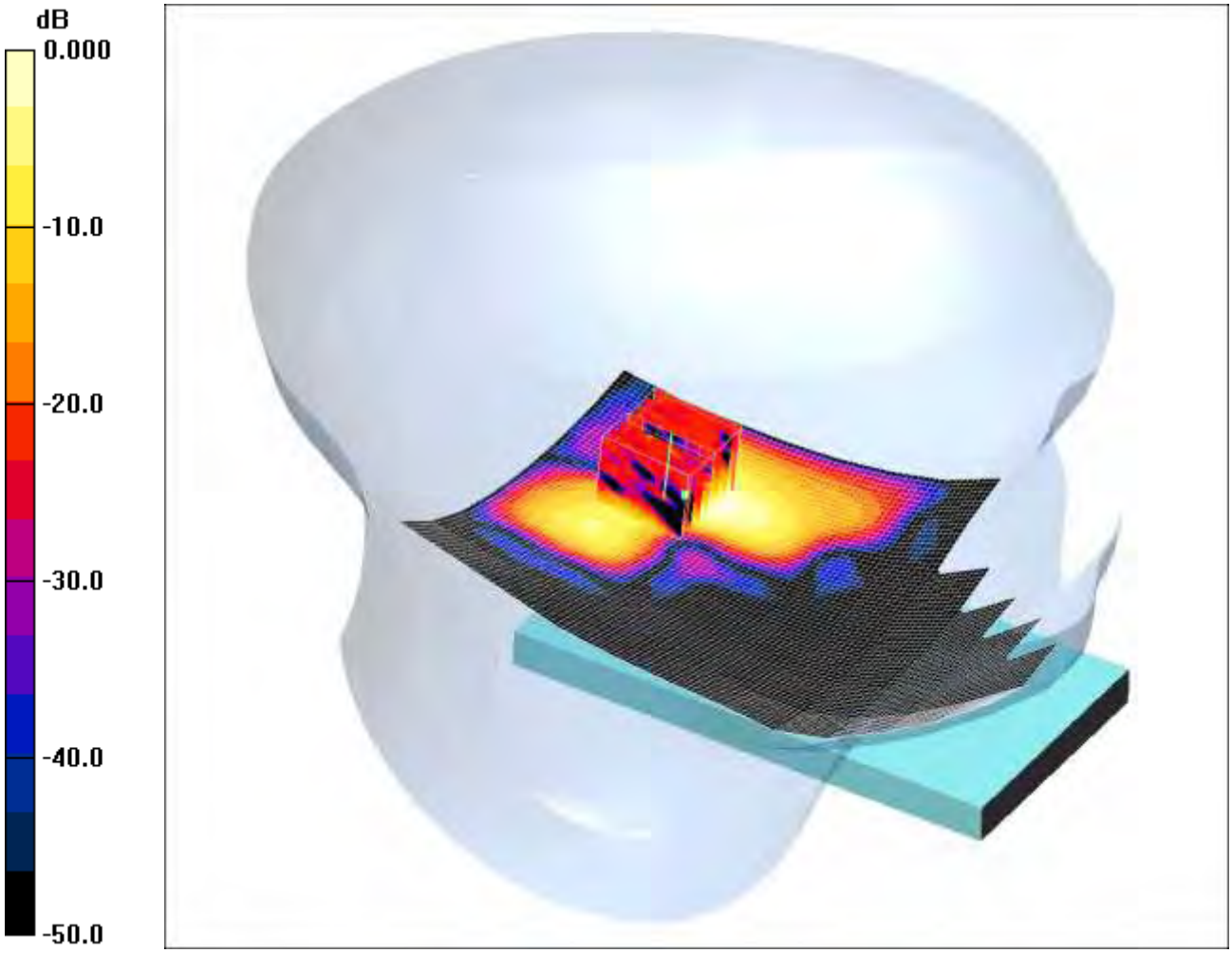


0 dB = 1.10mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5270 MHz; σ = 4.62 mho/m; ε_r = 36.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.8, 4.8, 4.8); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.16 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.56 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 2.97 W/kg
SAR(1 g) = 0.602 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 1.10 mW/g

SCN/88281JD02/231: Touch Left 5.0GHz WLAN802.11n HT40 13.5Mbps CH134
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

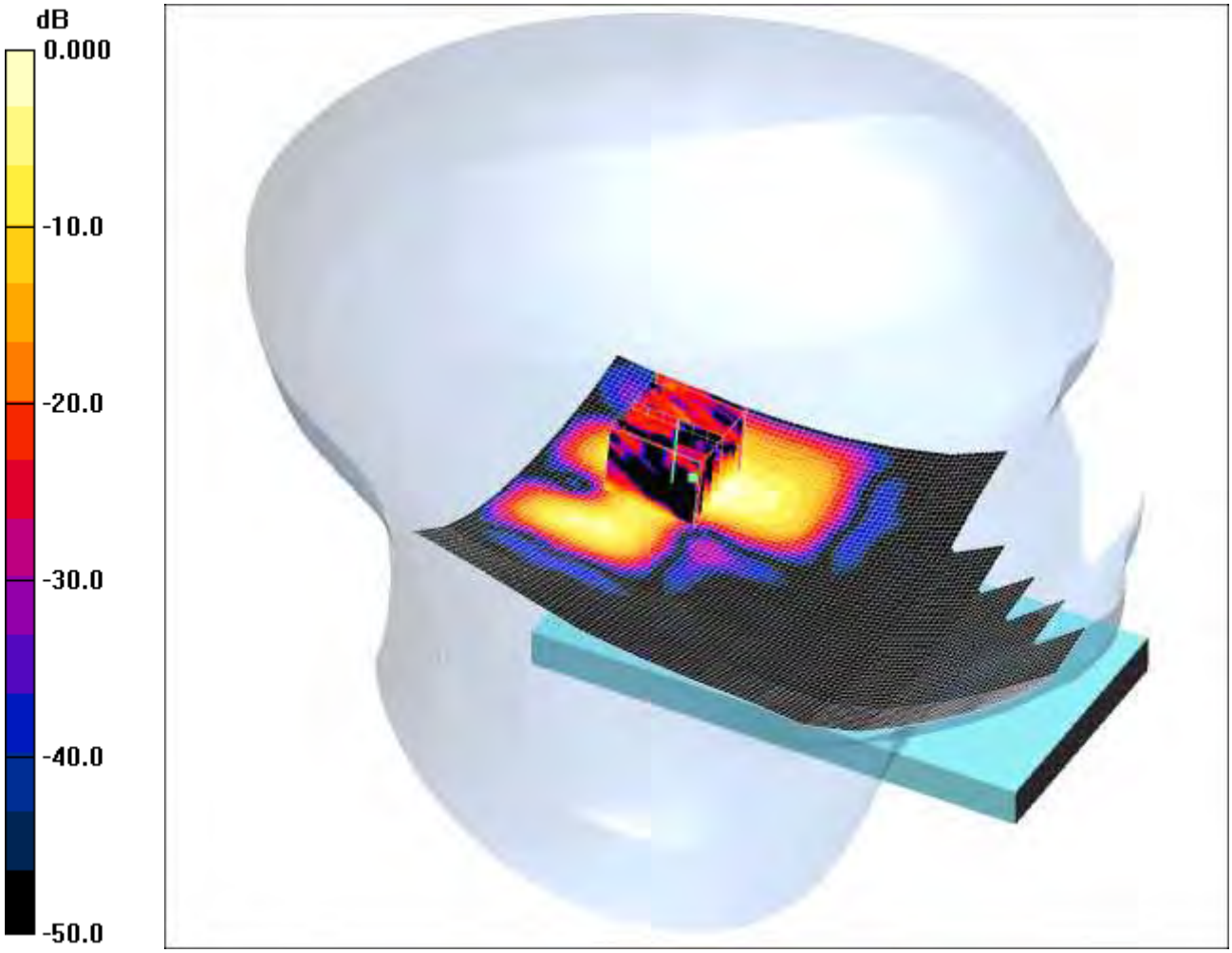


0 dB = 0.547mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5670 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5670 MHz; σ = 5.04 mho/m; ε_r = 35.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.54, 4.54, 4.54); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.834 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.83 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.547 mW/g

SCN/88281JD02/232: Touch Left 5.0GHz WLAN802.11n HT40 13.5Mbps CH159
Date: 13/08/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

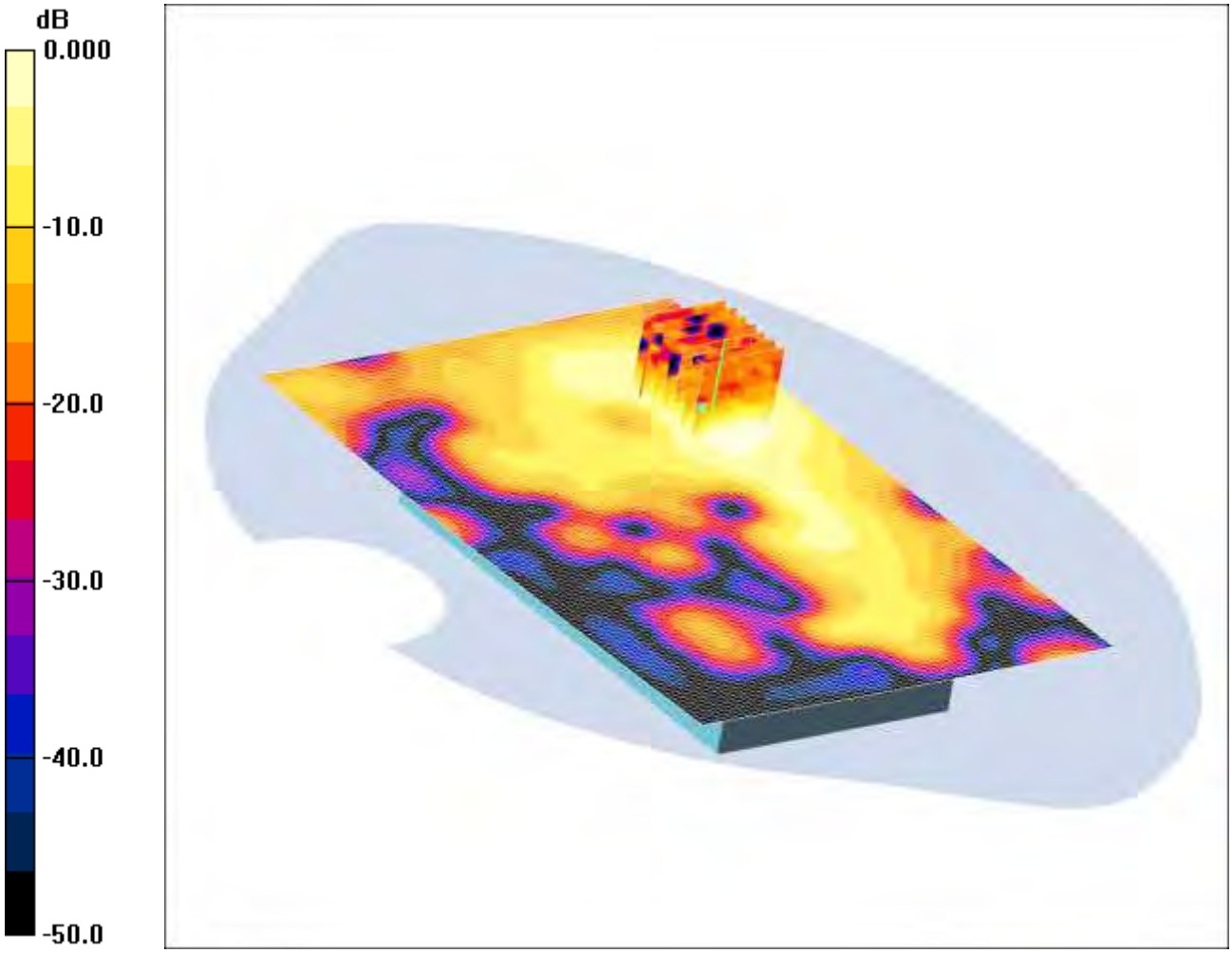


0 dB = 0.381mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5795 MHz; σ = 5.17 mho/m; ε_r = 35.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.48, 4.48, 4.48); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle 2/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.485 mW/g
Touch Left - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.04 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 0.807 W/kg
SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.055 mW/g
Maximum value of SAR (measured) = 0.381 mW/g

SCN/88281JD02/233: Front of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH36
Date 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

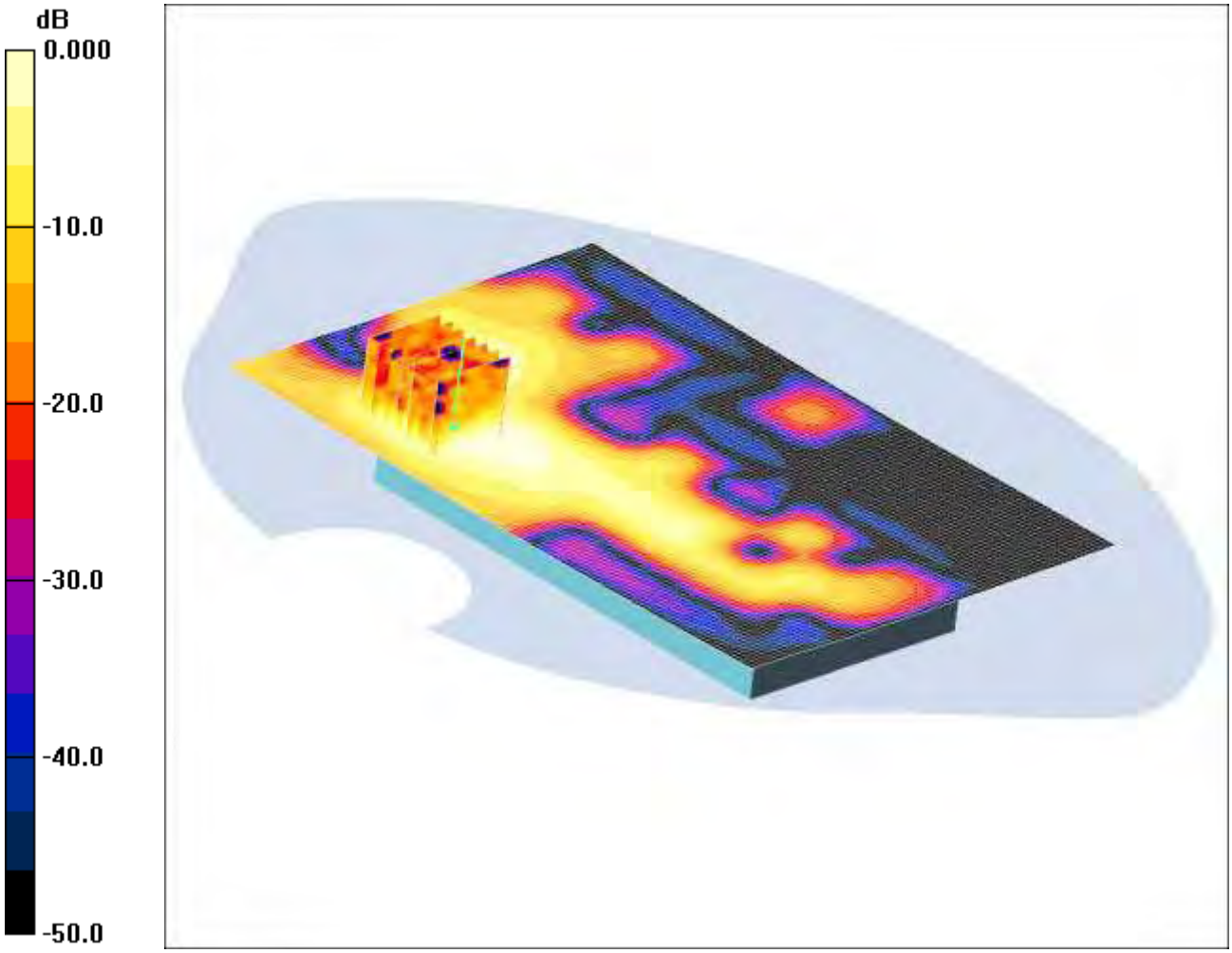


0 dB = 0.168mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5180 MHz; σ = 5.22 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- 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 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.168 mW/g
Front of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.70 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 0.309 W/kg
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.168 mW/g

SCN/88281JD02/234: Back of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH36
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

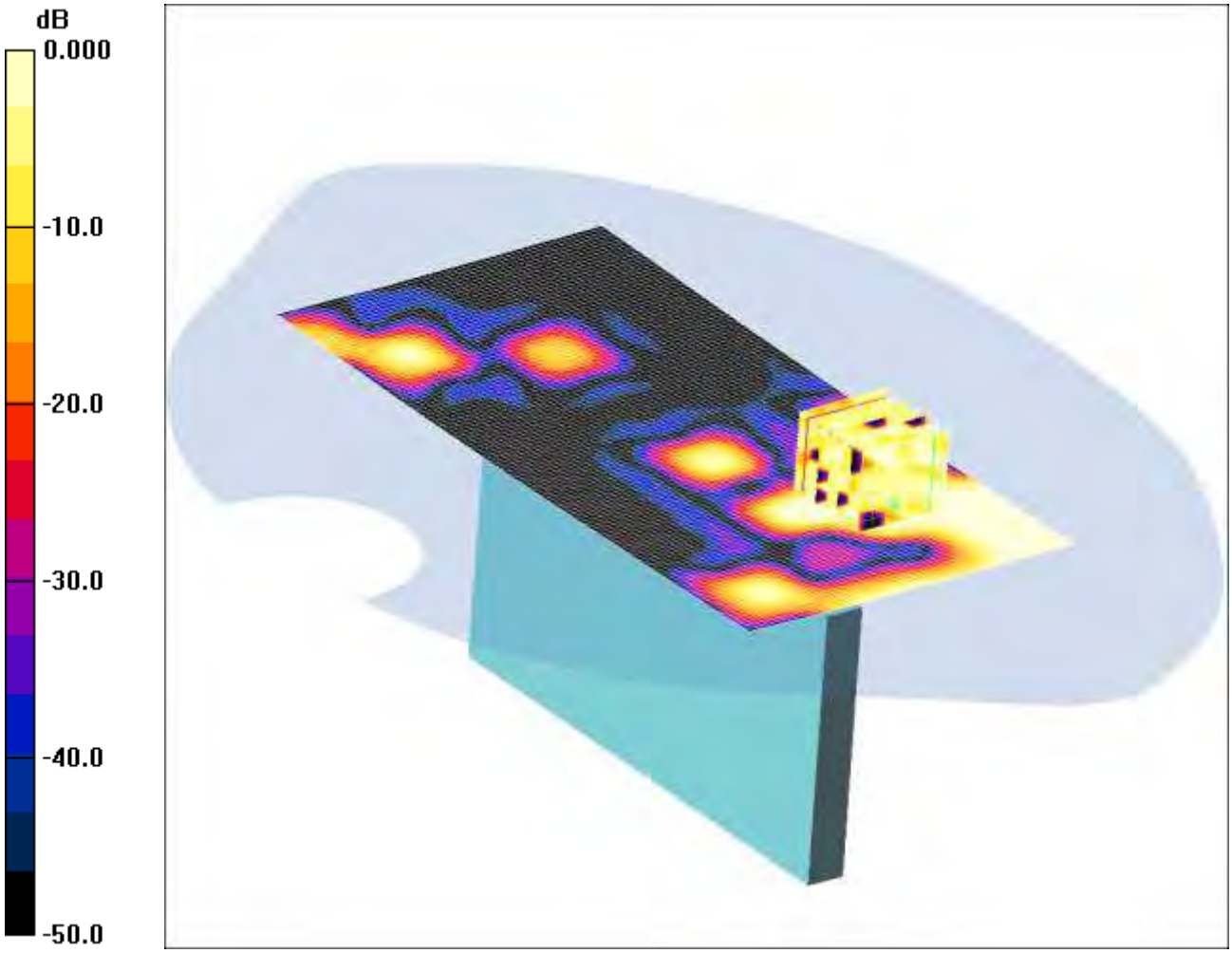


0 dB = 0.132mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5180 MHz; σ = 5.22 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Back of EUT Facing Phantom - Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.141 mW/g
Back of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.28 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 0.391 W/kg
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.041 mW/g
Maximum value of SAR (measured) = 0.132 mW/g

SCN/88281JD02/235: Left Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH36
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

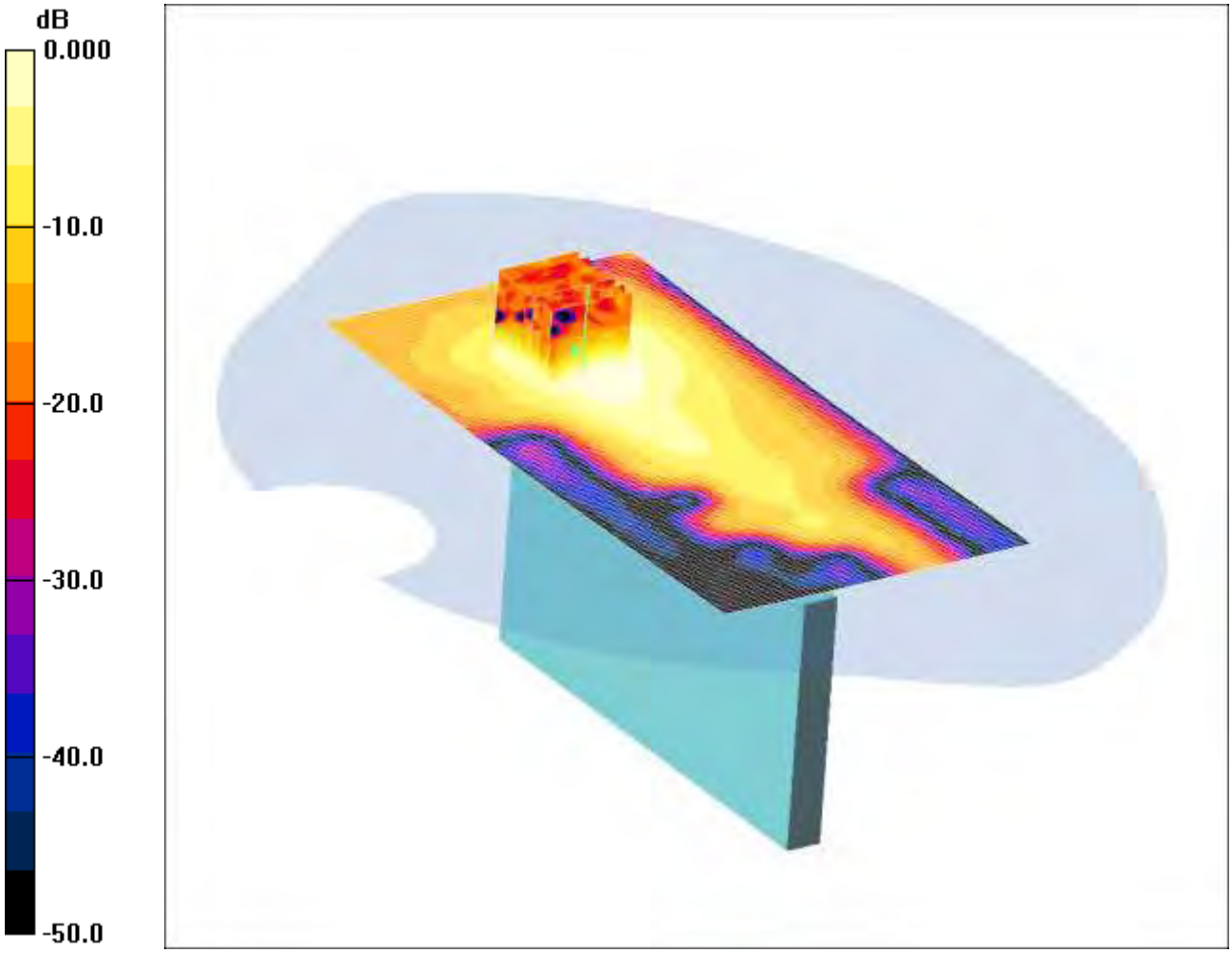


0 dB = 0.009mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5180 MHz; σ = 5.22 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Middle 2/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.021 mW/g
Left Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.23 V/m; Power Drift = 0.088 dB
Peak SAR (extrapolated) = 0.064 W/kg
SAR(1 g) = 0.00535 mW/g; SAR(10 g) = 0.00145 mW/g
Maximum value of SAR (measured) = 0.009 mW/g

SCN/88281JD02/236: Right Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH36
Date/Time: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

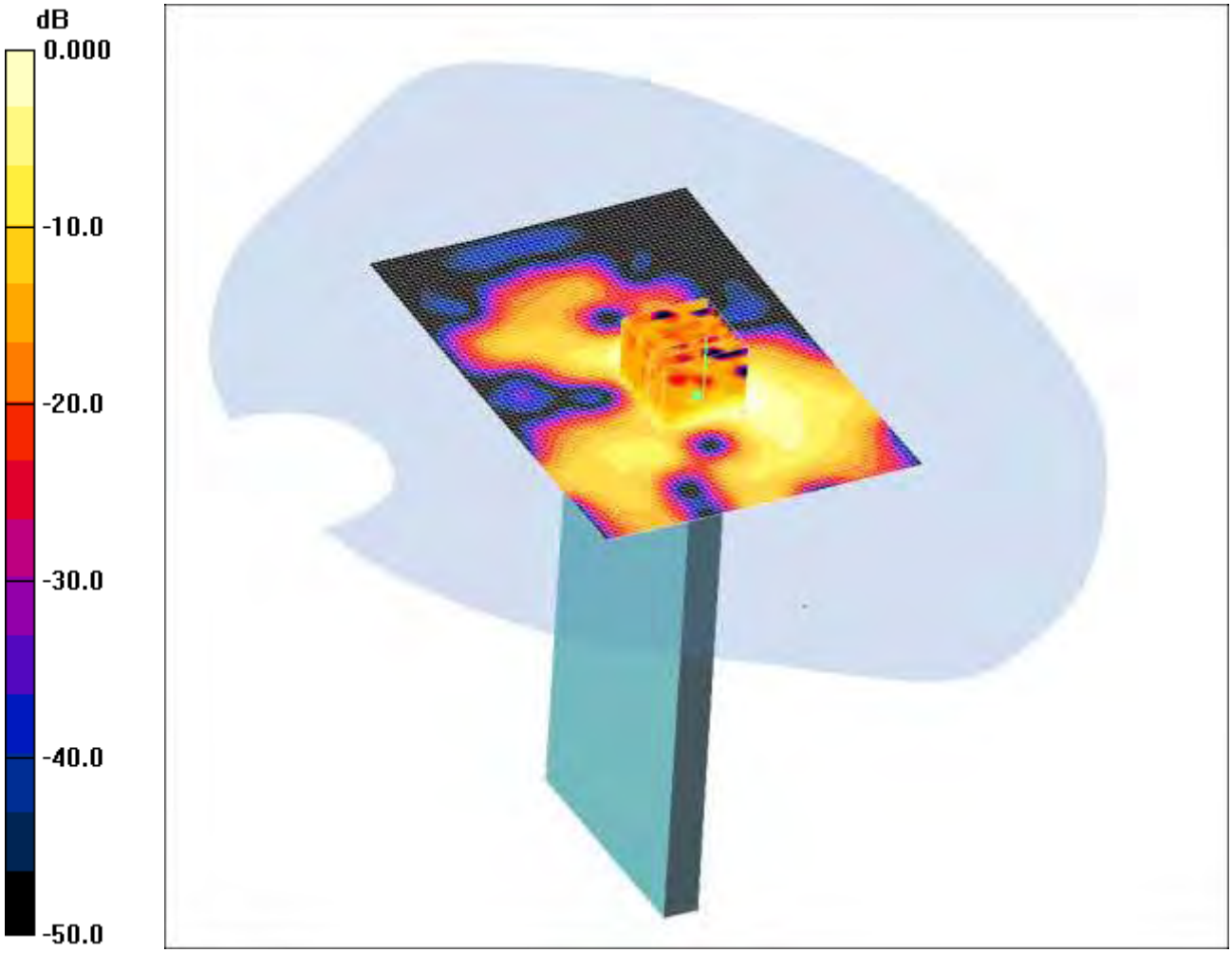


0 dB = 0.245mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5180 MHz; σ = 5.22 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle 2/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.242 mW/g
Right Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.61 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.532 W/kg
SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.070 mW/g
Maximum value of SAR (measured) = 0.245 mW/g

SCN/88281JD02/237: Top of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH36
Date 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

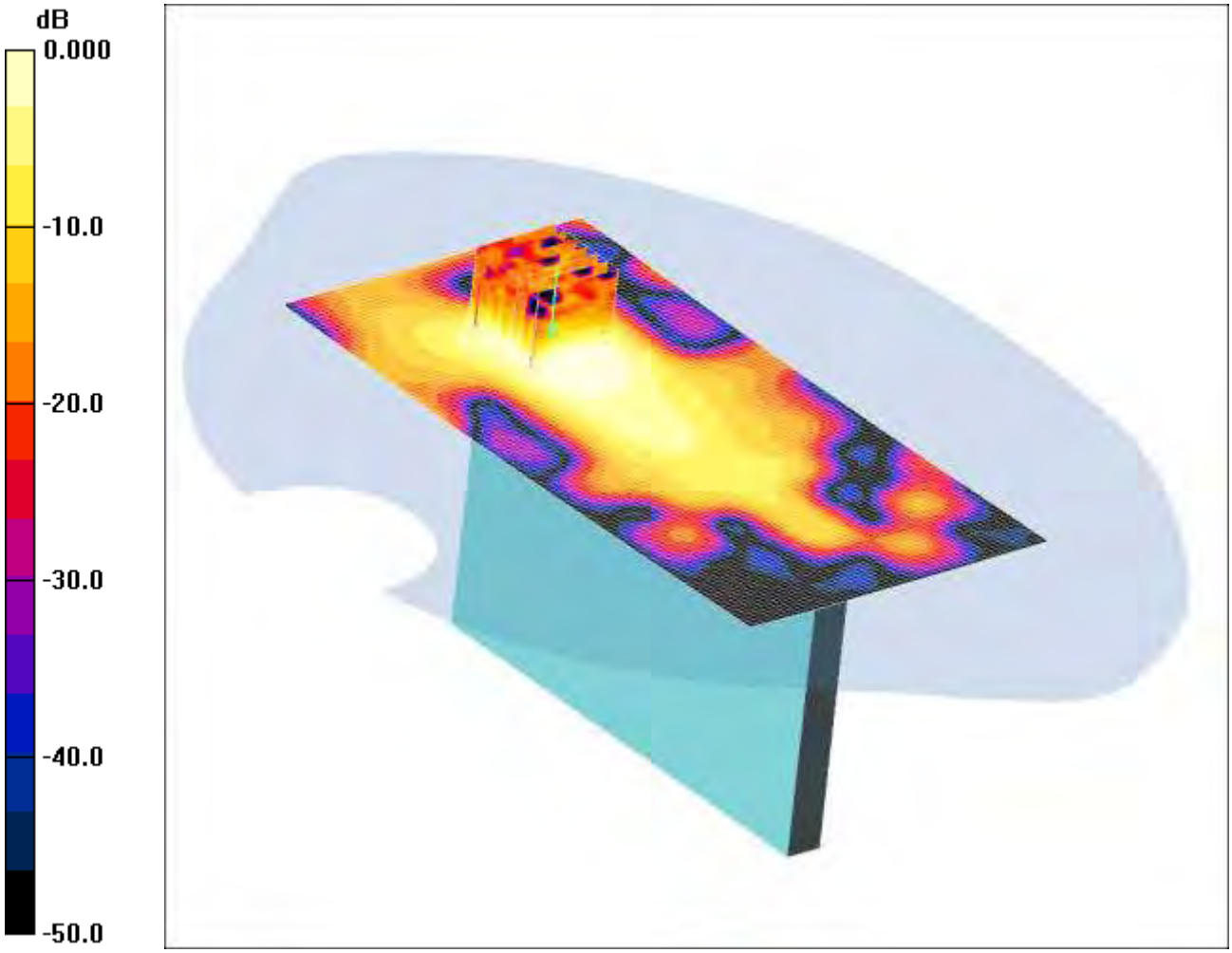


0 dB = 0.140mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5180 MHz; σ = 5.22 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Top of EUT Facing Phantom - Middle 2/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.200 mW/g
Top of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.35 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.449 W/kg
SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.140 mW/g

SCN/88281JD02/238: Right Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH52
Date 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

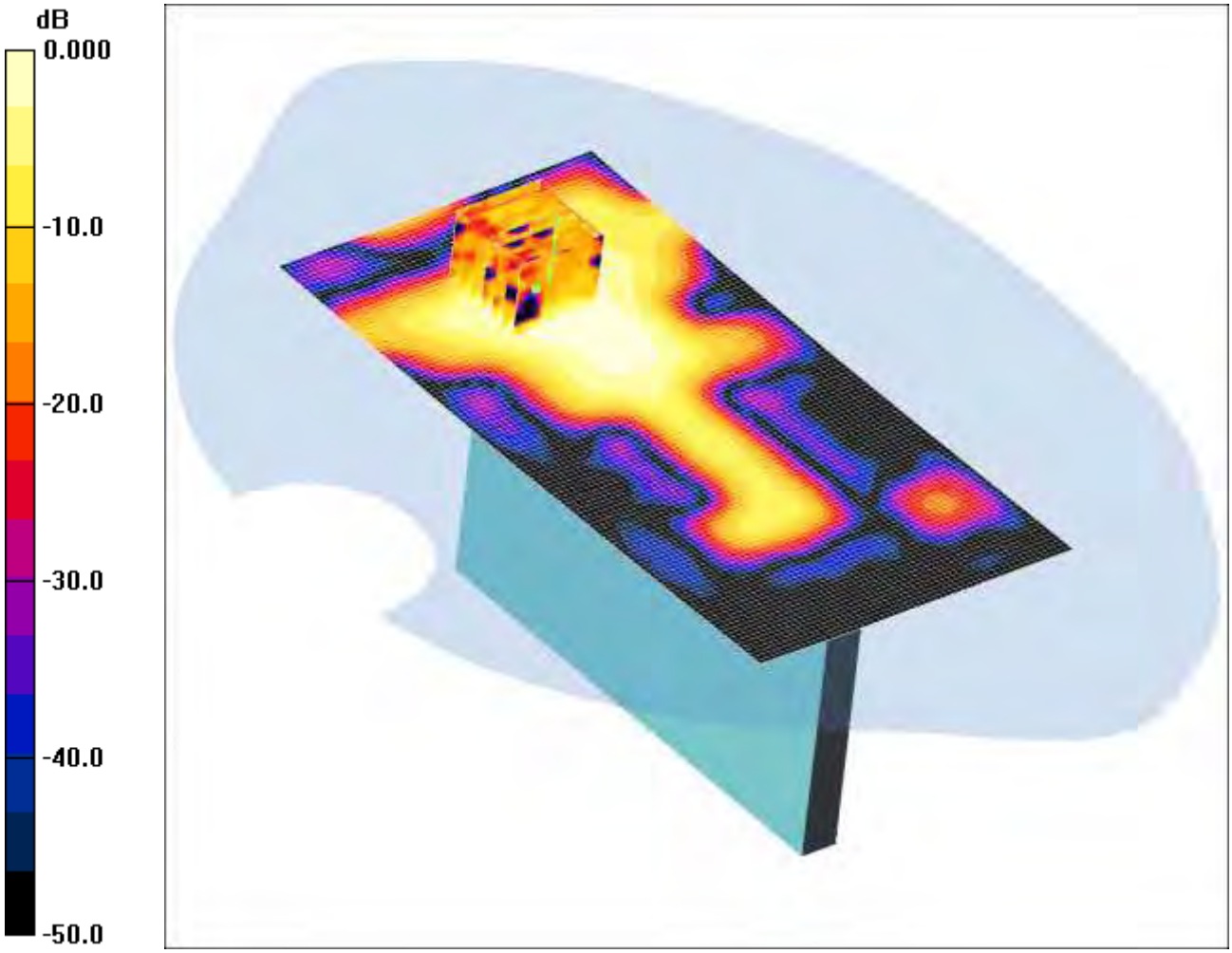


0 dB = 0.215mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5260 MHz; σ = 5.35 mho/m; ε_r = 48.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.286 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.22 V/m; Power Drift = 0.167 dB
Peak SAR (extrapolated) = 0.564 W/kg
SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.215 mW/g

SCN/88281JD02/239: Right Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH136
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

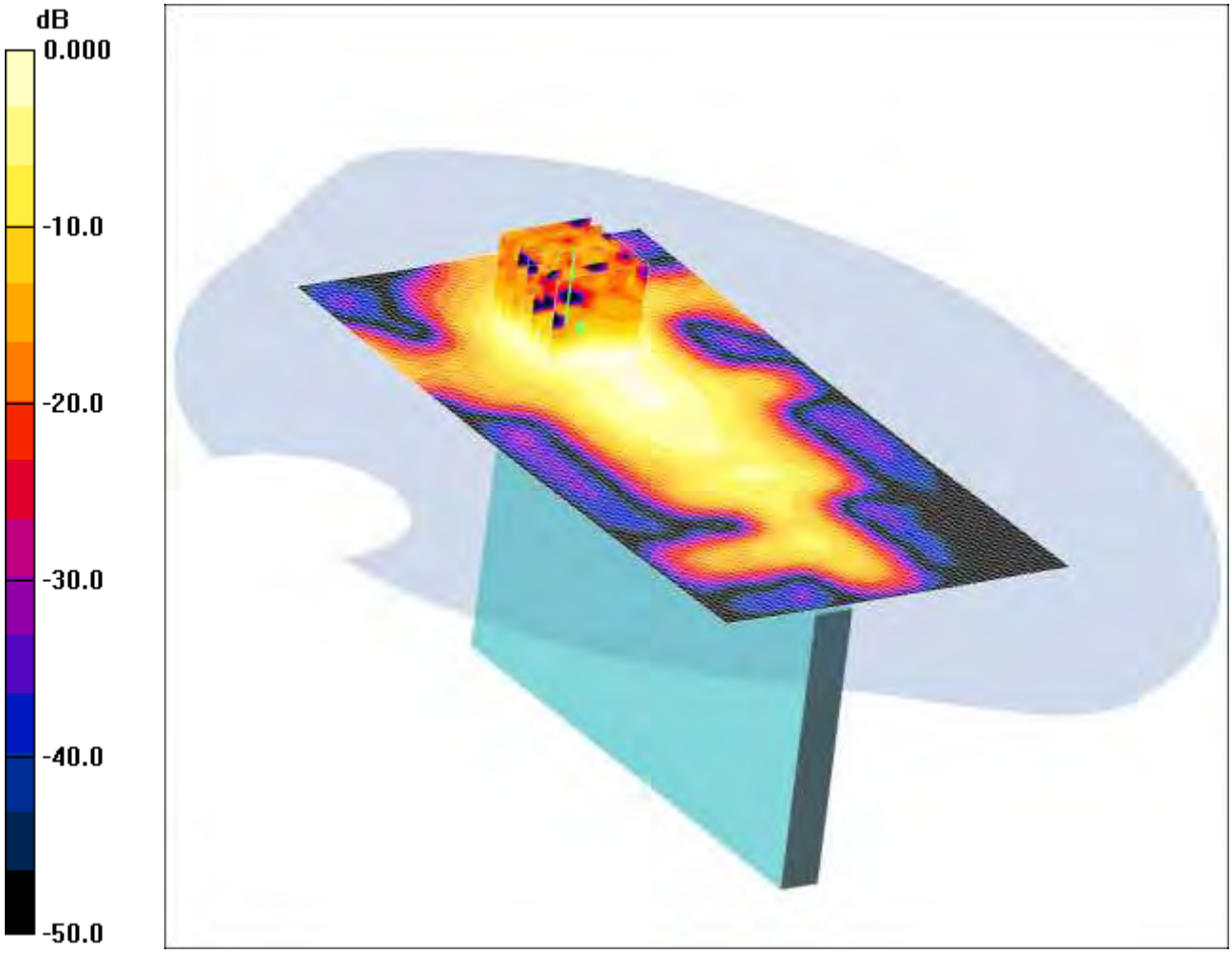


0 dB = 0.114mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5680 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5680 MHz; σ = 6.03 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(3.79, 3.79, 3.79); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - CH136 2/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.187 mW/g
Right Hand Side of EUT Facing Phantom - CH136 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.09 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.114 mW/g

SCN/88281JD02/240: Right Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH165
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

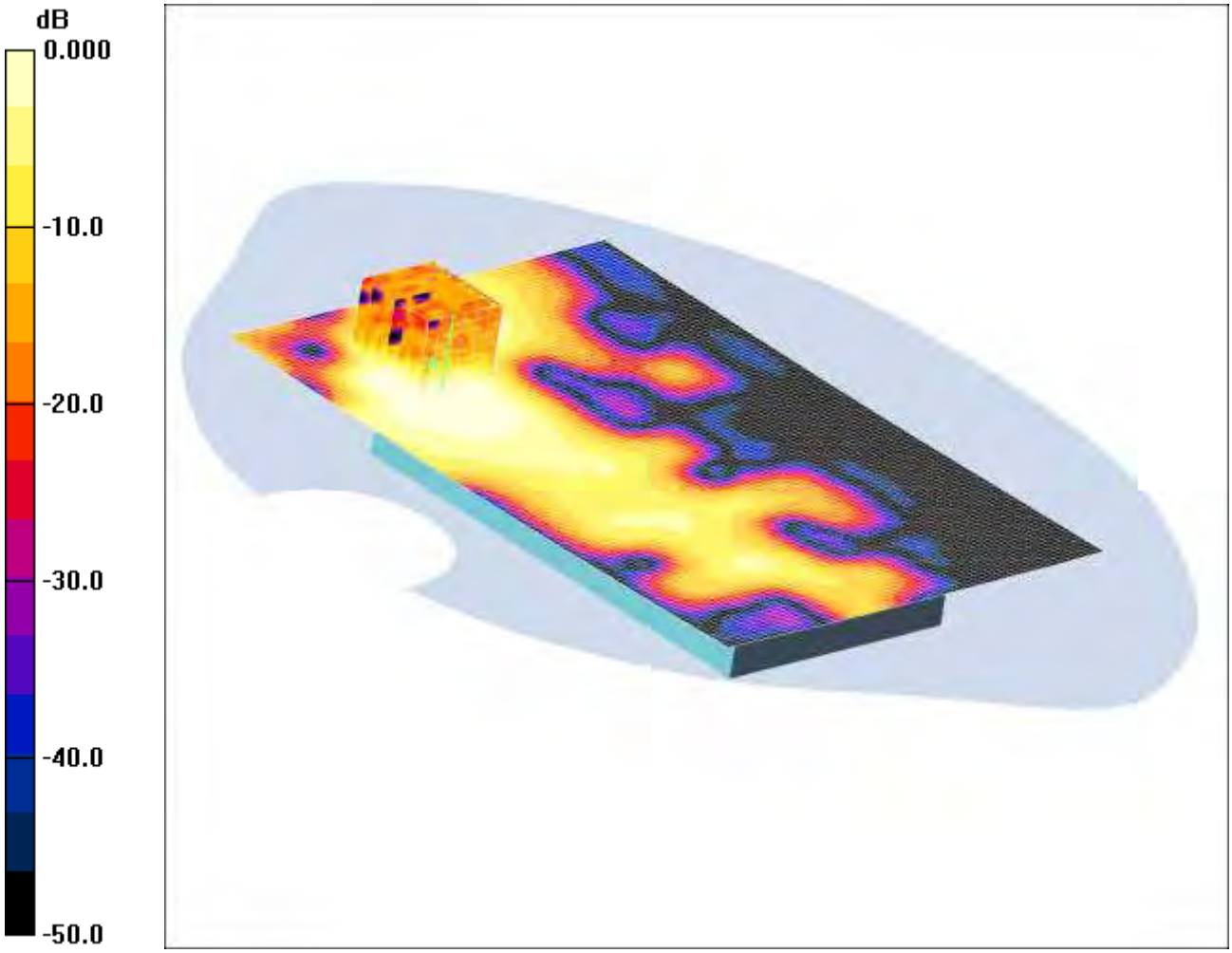


0 dB = 0.211mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5825 MHz; σ = 6.26 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(3.94, 3.94, 3.94); Calibrated: 22/09/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - CH165/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.310 mW/g
Right Hand Side of EUT Facing Phantom - CH165/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.36 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.409 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.041 mW/g
Maximum value of SAR (measured) = 0.211 mW/g

SCN/88281JD02/241: Back of EUT Facing Phantom 5.0GHz WLAN802.11a 6Mbps CH36
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

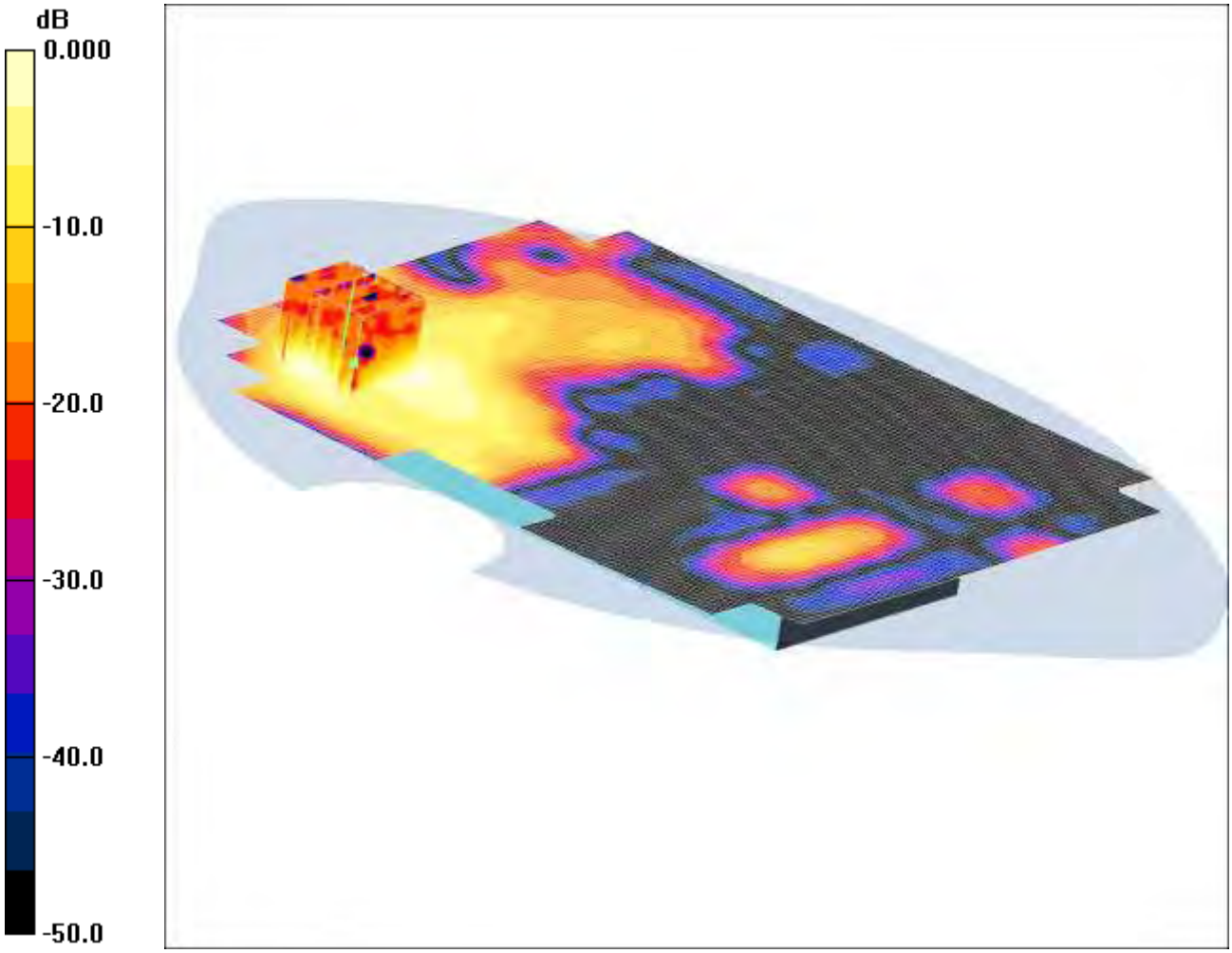


0 dB = 0.127mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5180 MHz; σ = 5.22 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - CH165/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.162 mW/g
Right Hand Side of EUT Facing Phantom - CH165/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.11 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 0.236 W/kg
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.127 mW/g

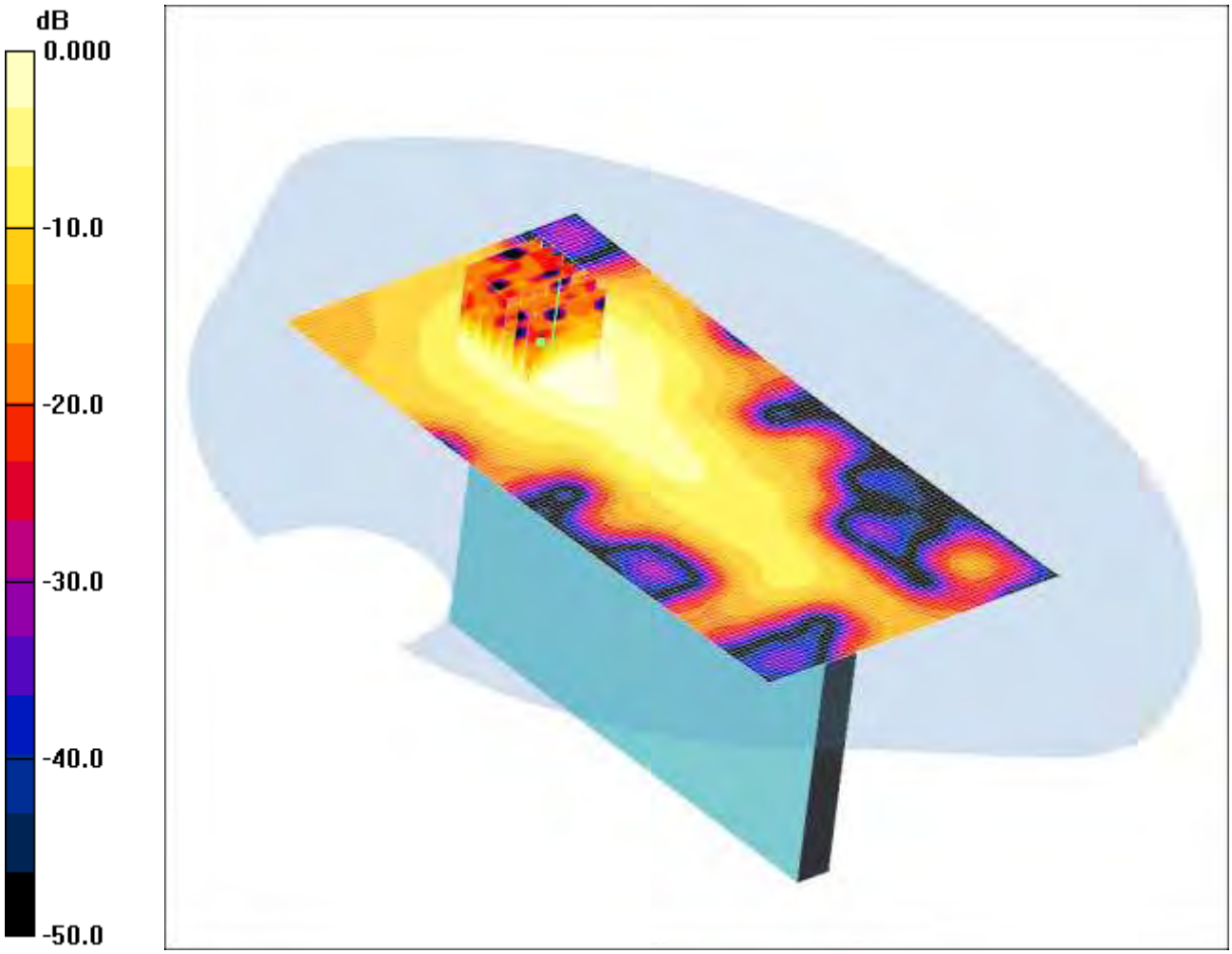
SCN/88281JD02/242: Back of EUT Facing Phantom with PHF 5.0GHz WLAN802.11a 6Mbps CH36
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4



0 dB = 0.289mW/g
Communication System: WLAN 802.11a UNII; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5180 MHz; σ = 5.22 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom with PHF - CH165/Area Scan (111x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.351 mW/g
Right Hand Side of EUT Facing Phantom with PHF - CH165/Zoom Scan (7x7x9) (7x7x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.978 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.590 W/kg
SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.289 mW/g

SCN/88281JD02/243: Right Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11n HT40 13.5Mbps CH38
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

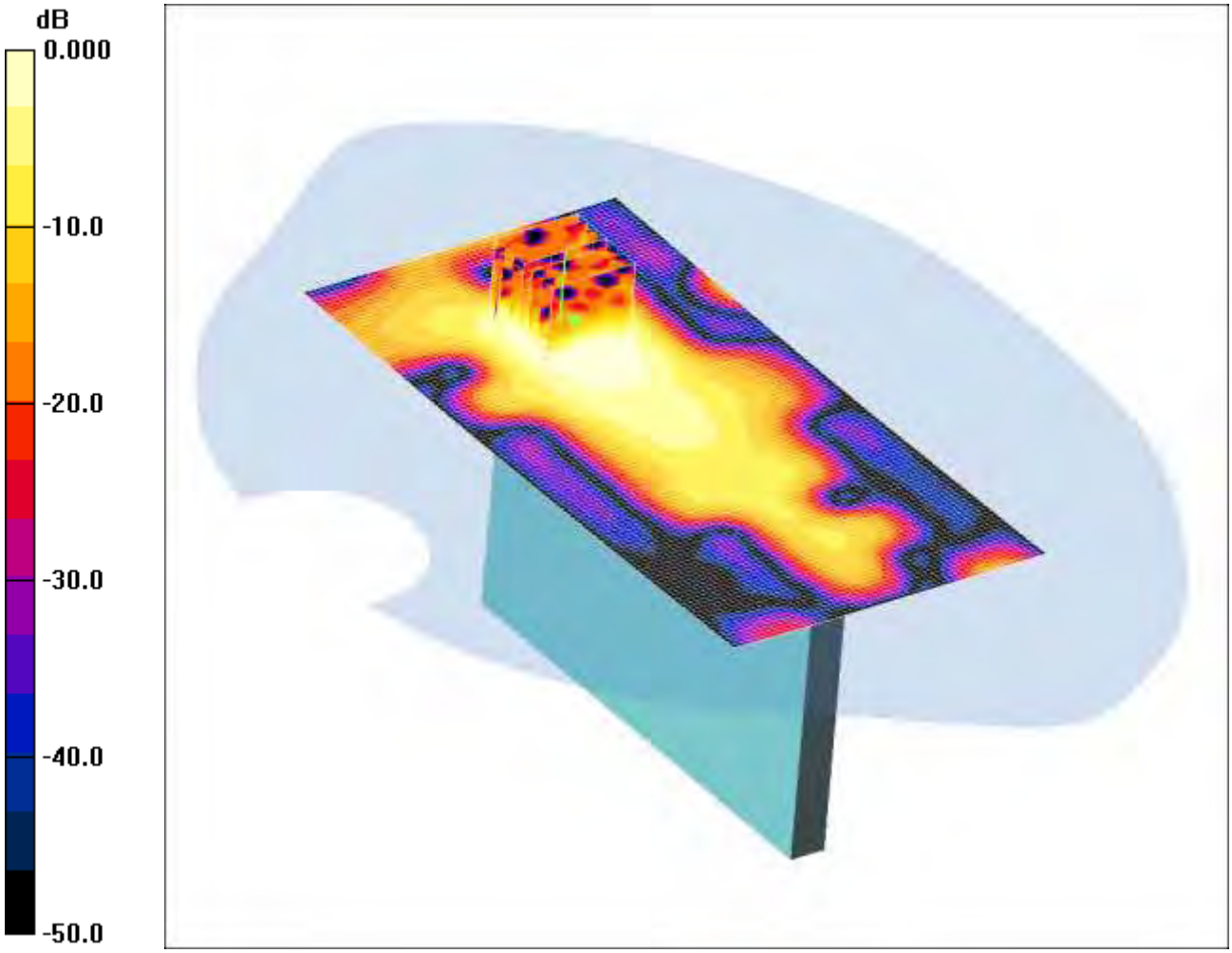


0 dB = 0.192mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5190 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5190 MHz; σ = 5.24 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle 2/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.182 mW/g
Right Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.18 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 0.467 W/kg
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.192 mW/g

SCN/88281JD02/244: Right Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11n HT40 13.5Mbps CH54
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

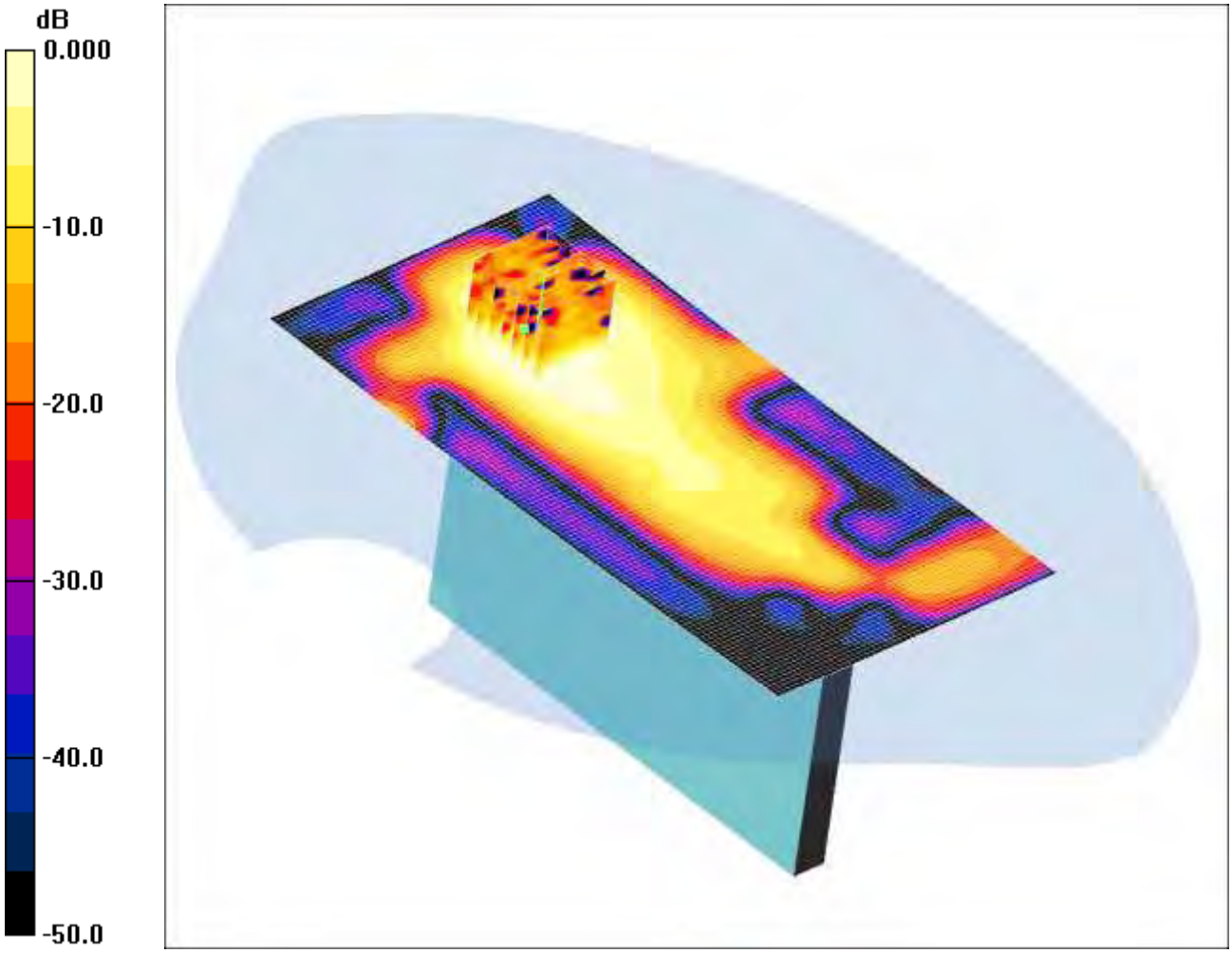


0 dB = 0.181mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5270 MHz; σ = 5.36 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle 2/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.247 mW/g
Right Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.31 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 0.469 W/kg
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.057 mW/g
Maximum value of SAR (measured) = 0.181 mW/g

SCN/88281JD02/245: Right Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11n HT40 13.5Mbps CH134
Date: 27/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

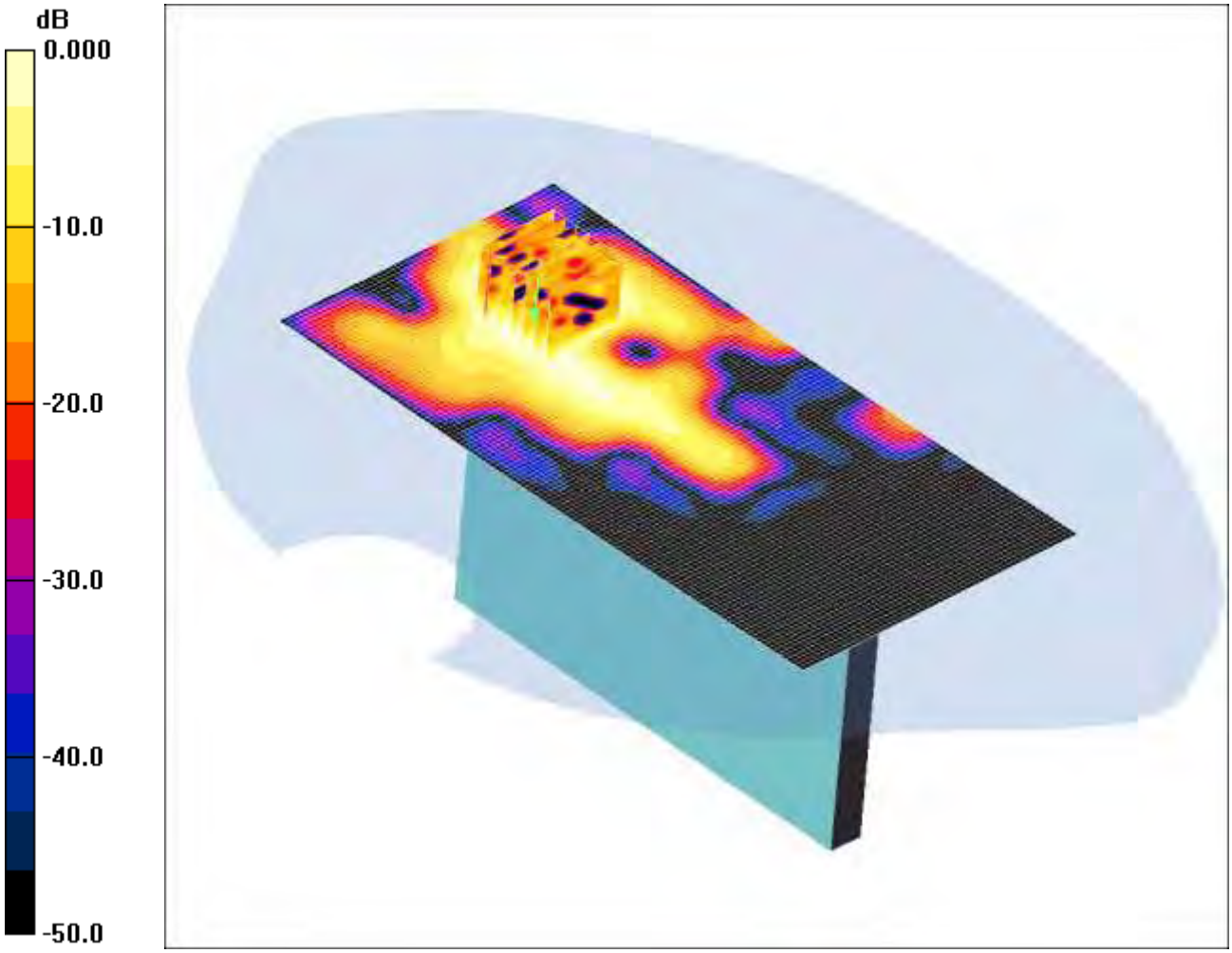


0 dB = 0.145mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5670 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5670 MHz; σ = 6.01 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(3.79, 3.79, 3.79); Calibrated: 12/03/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle 2 2/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.140 mW/g
Right Hand Side of EUT Facing Phantom - Middle 2 2/Zoom Scan (7x7x9) 2 2 2 2 (7x7x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.38 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.145 mW/g

SCN/88281JD02/246: Right Hand Side of EUT Facing Phantom 5.0GHz WLAN802.11n HT40 13.5Mbps CH159
Date: 31/07/2012
DUT: Sony Mint Amy; Type: Mint Amy; Serial: 00440245-023914-4

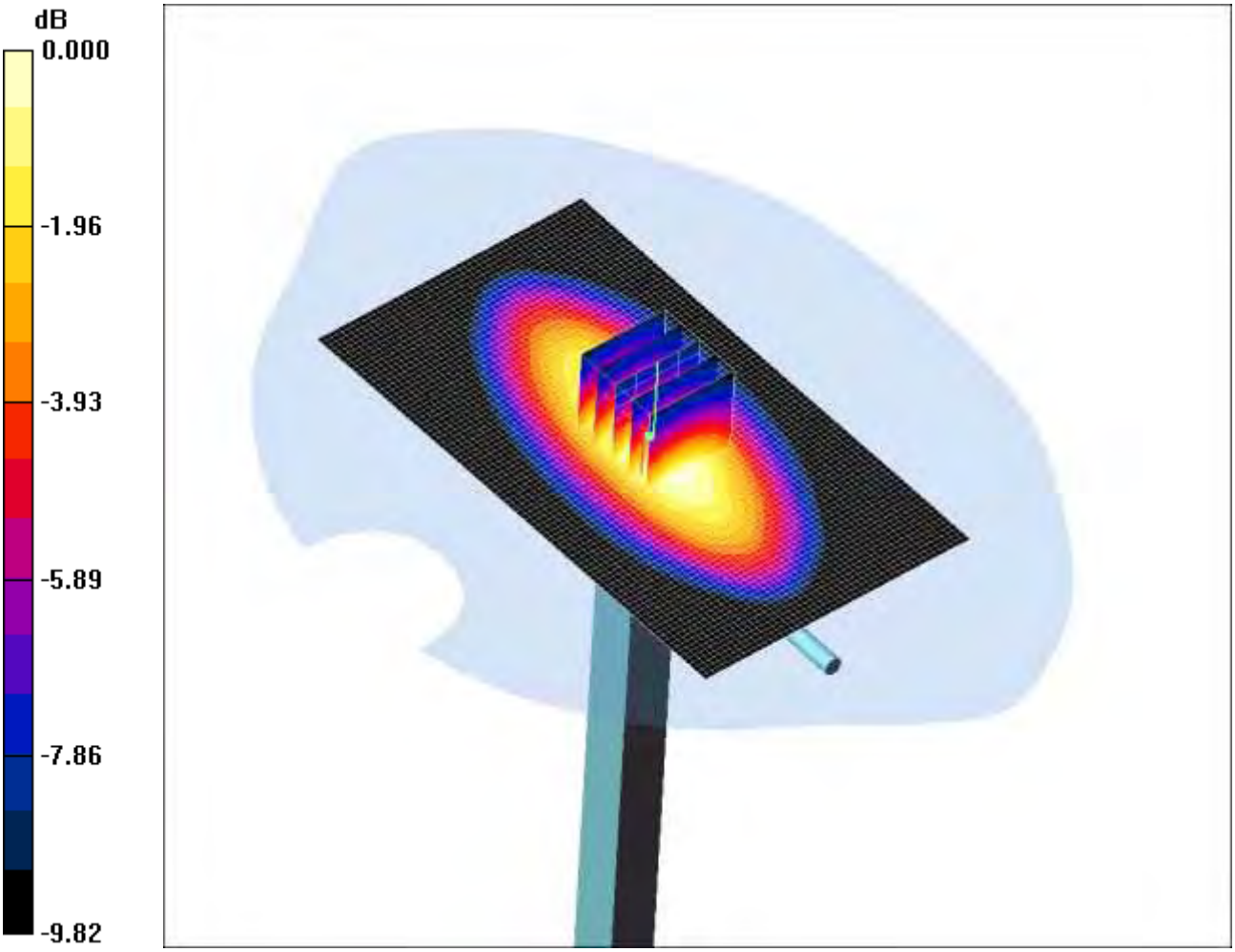


0 dB = 0.099mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used (interpolated): f = 5795 MHz; σ = 6.22 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(3.94, 3.94, 3.94); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle 2 2/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.128 mW/g
Right Hand Side of EUT Facing Phantom - Middle 2 2/Zoom Scan (7x7x9) 2 2 2 2 (7x7x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.43 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.374 W/kg
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.099 mW/g

SCN/88281JD02/253: System Performance Check 750MHz Head 11 07 12
Date11/07/2012
DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1011

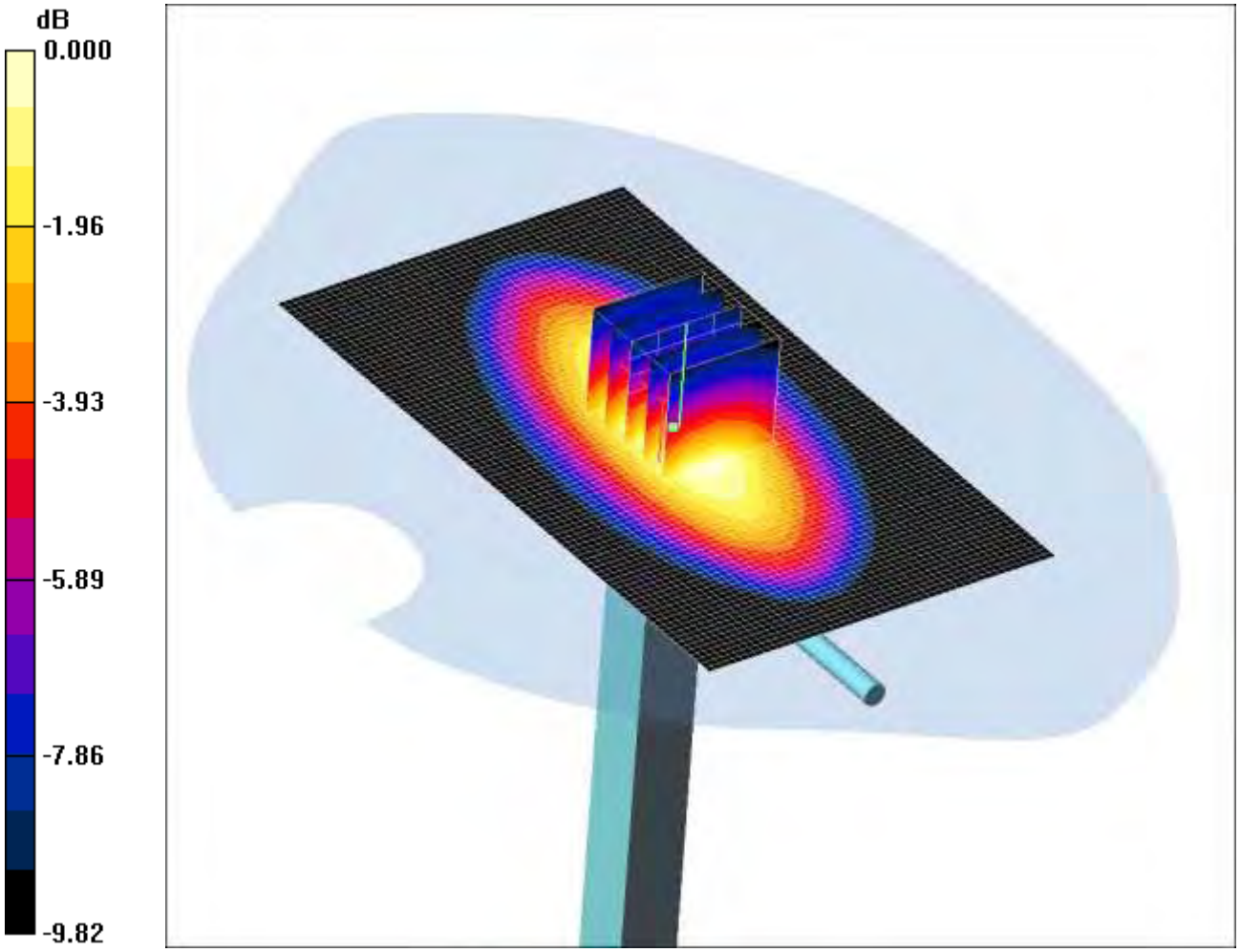


0 dB = 2.29mW/g

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: 750 MHz HSL Medium parameters used: f = 750 MHz; σ = 0.868 mho/m; ε_r = 42; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(9.26, 9.26, 9.26); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.26 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 51.6 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 2.15 mW/g; SAR(10 g) = 1.44 mW/g
Maximum value of SAR (measured) = 2.29 mW/g

SCN/88281JD02/254: System Performance Check 750MHz Head 12 07 12
Date12/07/2012
DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1011

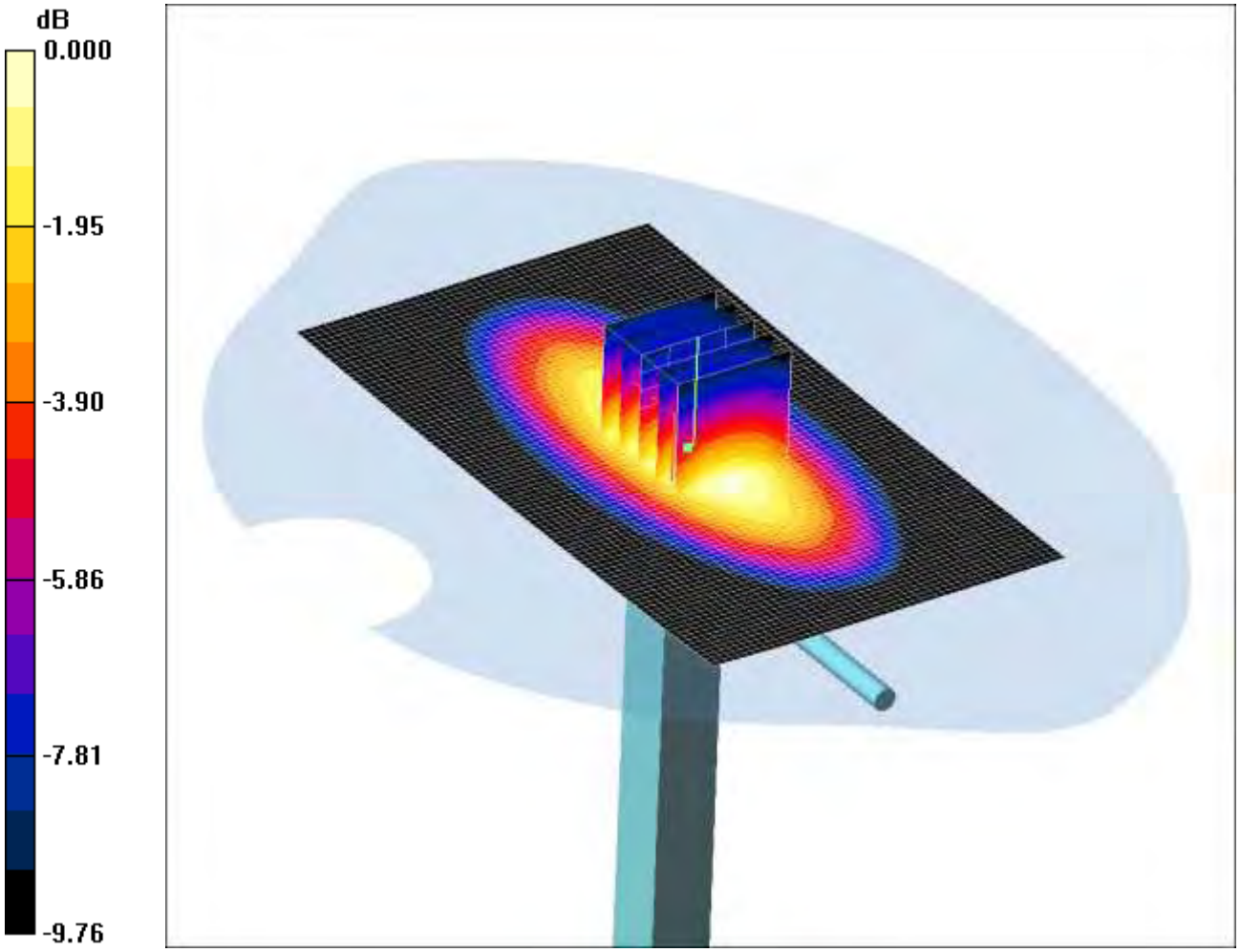


0 dB = 2.28mW/g

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: 750 MHz HSL Medium parameters used: f = 750 MHz; σ = 0.868 mho/m; ε_r = 42; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(9.26, 9.26, 9.26); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.23 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 51.4 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 3.13 W/kg
SAR(1 g) = 2.13 mW/g; SAR(10 g) = 1.43 mW/g
Maximum value of SAR (measured) = 2.28 mW/g

SCN/88281JD02/255: System Performance Check 750MHz Body 12 07 12
Date12/07/2012
DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1011

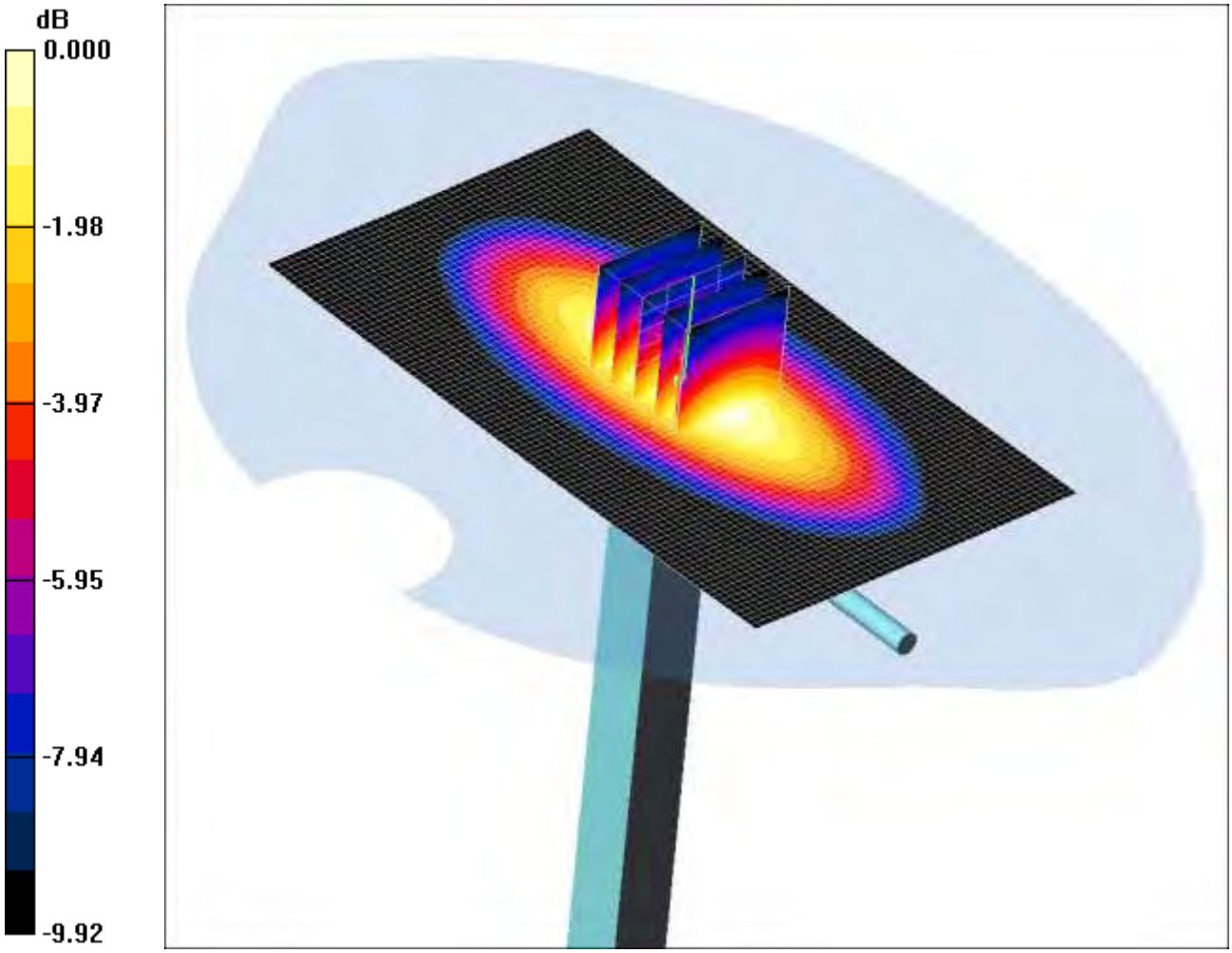


0 dB = 2.31mW/g

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: 750 MHz MSL Medium parameters used: f = 750 MHz; σ = 0.946 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(9.28, 9.28, 9.28); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- 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 (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.32 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.5 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 3.14 W/kg
SAR(1 g) = 2.16 mW/g; SAR(10 g) = 1.45 mW/g
Maximum value of SAR (measured) = 2.31 mW/g

SCN/88281JD02/256: System Performance Check 750MHz Body 13 07 12
Date: 13/07/2012
DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1011

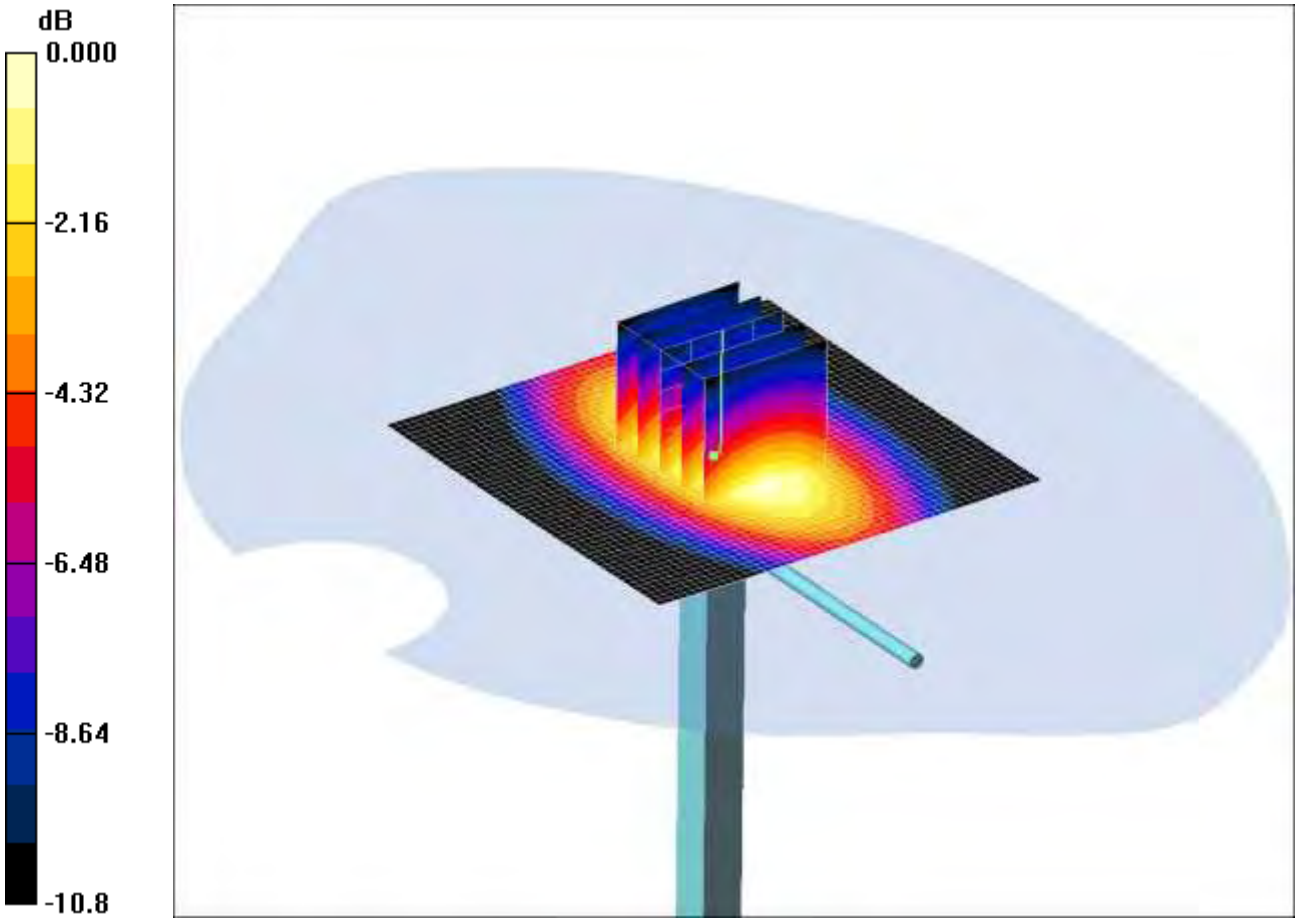


0 dB = 2.33mW/g

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: 750 MHz MSL Medium parameters used: f = 750 MHz; σ = 0.946 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(9.28, 9.28, 9.28); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- 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 (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.32 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.8 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 3.17 W/kg
SAR(1 g) = 2.16 mW/g; SAR(10 g) = 1.44 mW/g
Maximum value of SAR (measured) = 2.33 mW/g

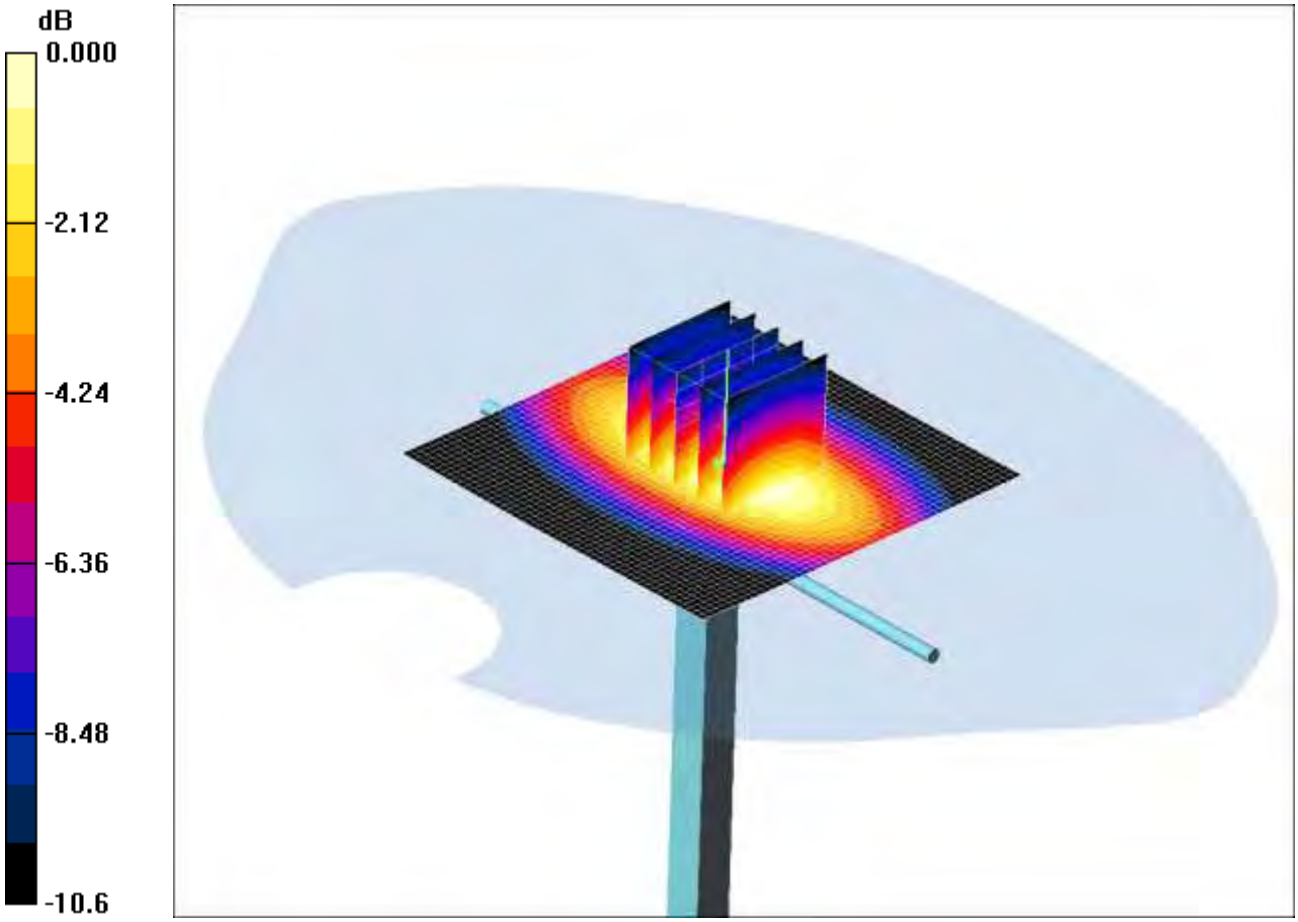
SCN/88281JD02/257: System Performance Check 900MHz Head 18 06 12
Date: 18/06/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 2.86mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.942 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.84 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.3 V/m; Power Drift = 0.131 dB
Peak SAR (extrapolated) = 4.00 W/kg
SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.71 mW/g
Maximum value of SAR (measured) = 2.86 mW/g

SCN/88281JD02/258: System Performance Check 900MHz Head 19 06 12
Date: 19/06/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

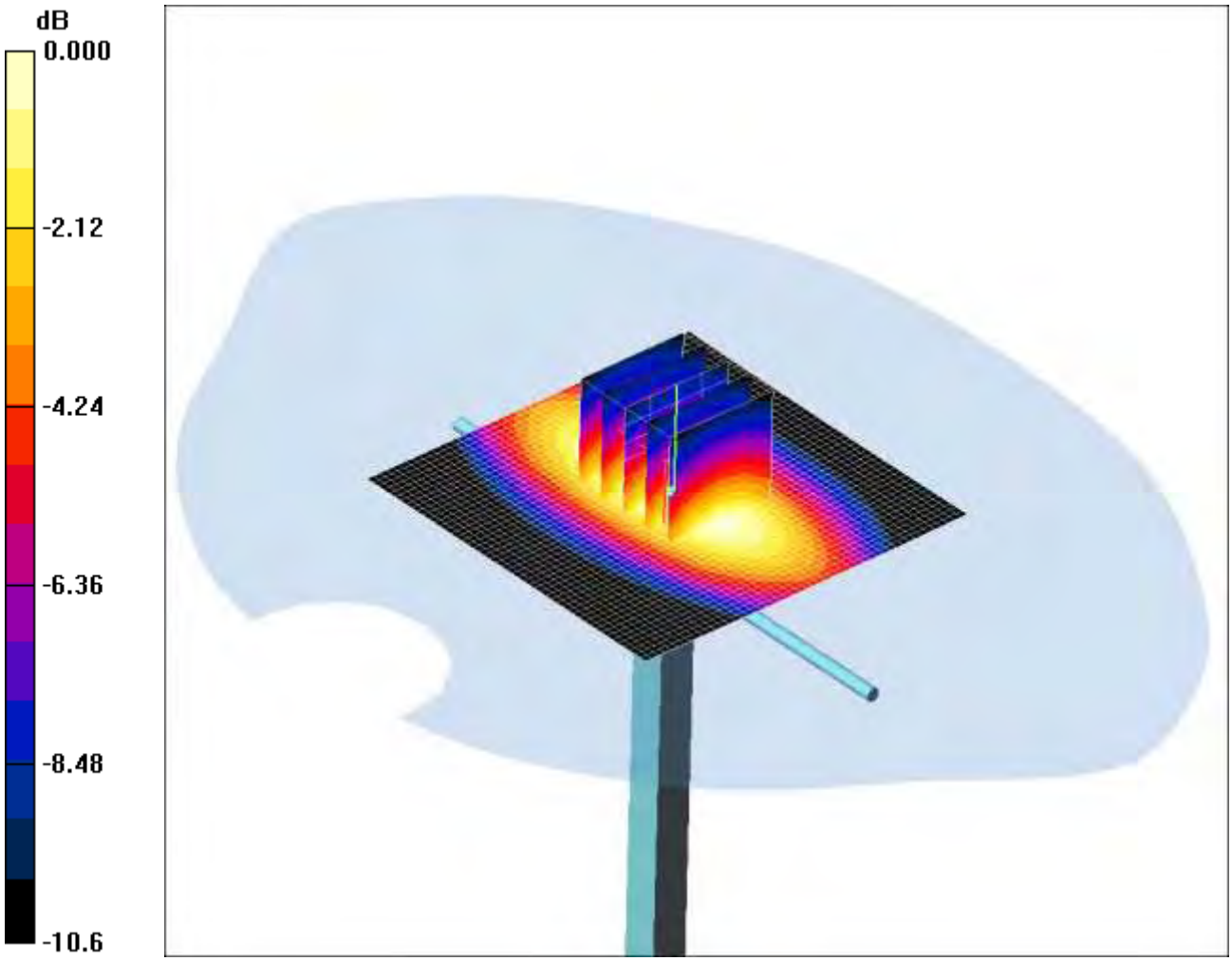


0 dB = 2.93mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.942 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- 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) = 3.02 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.7 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 4.05 W/kg
SAR(1 g) = 2.72 mW/g; SAR(10 g) = 1.78 mW/g
Maximum value of SAR (measured) = 2.93 mW/g

SCN/88281JD02/259: System Performance Check 900MHz Head 11 07 12
Date: 11/07/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

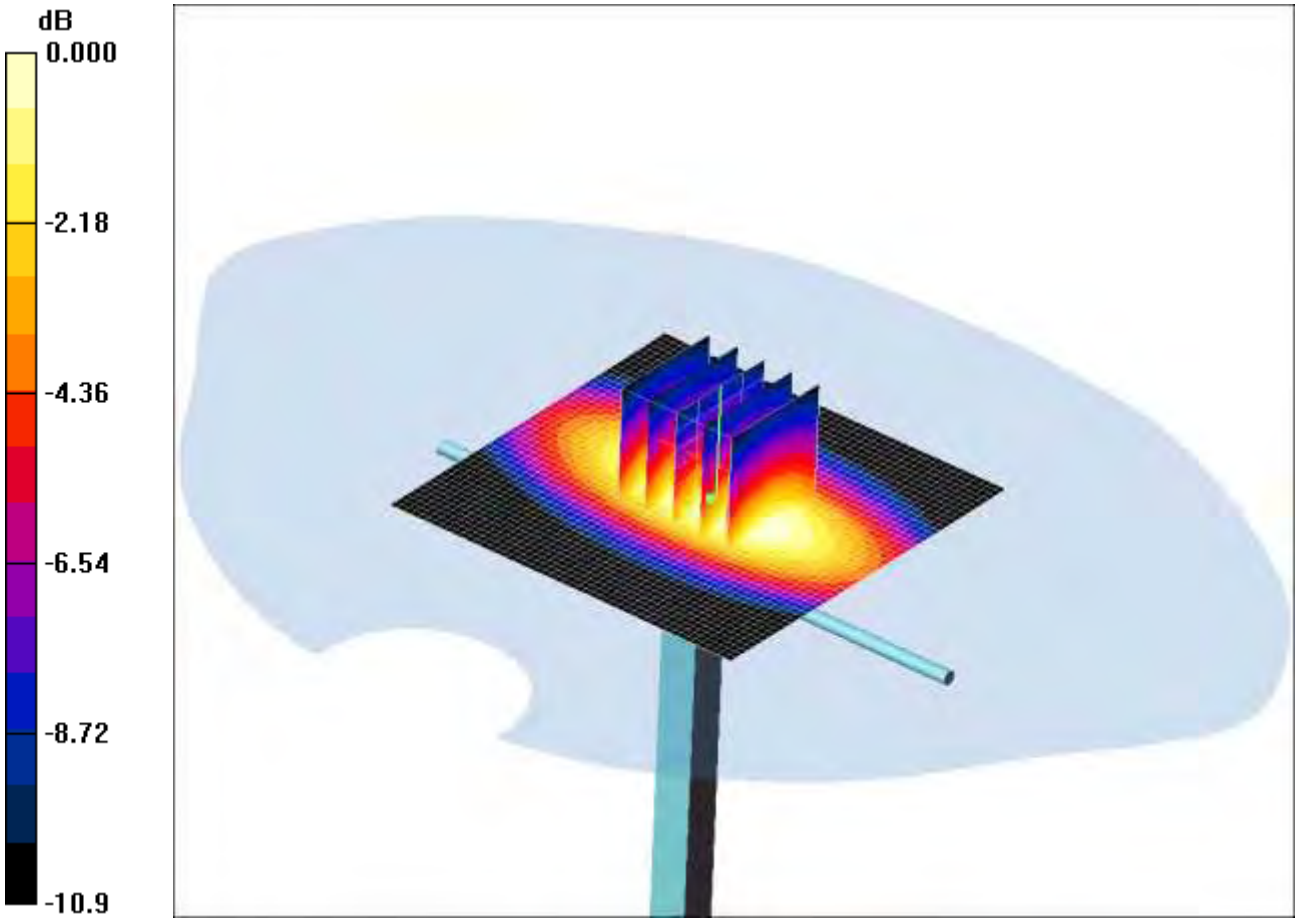


0 dB = 2.82mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used: f = 900 MHz; σ = 0.94 mho/m; ε_r = 43.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 2.88 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.3 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 3.93 W/kg
SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.71 mW/g
Maximum value of SAR (measured) = 2.82 mW/g

SCN/88281JD02/260: System Performance Check 900MHz Body 19 06 12
Date: 19/06/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

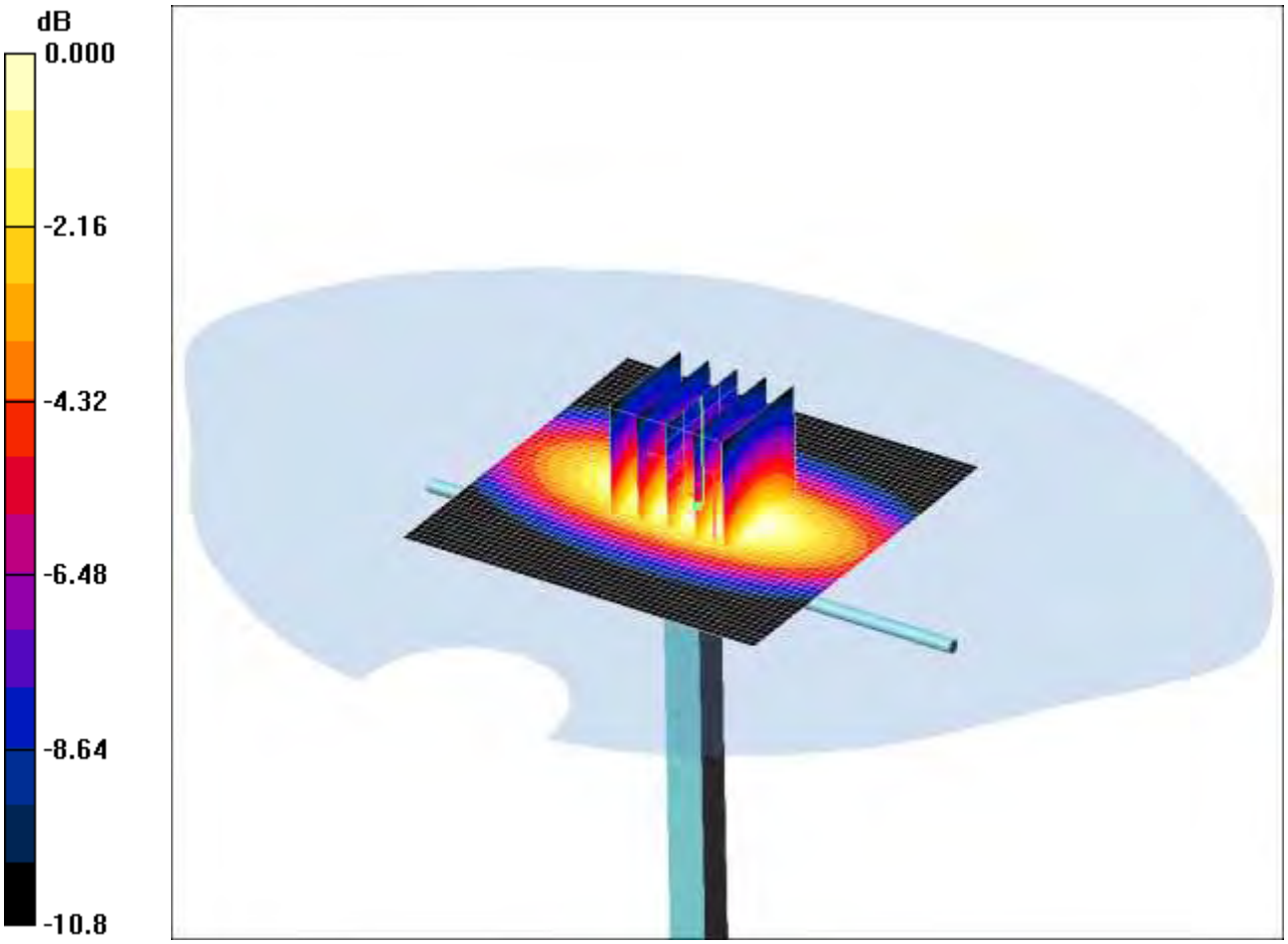


0 dB = 2.91mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.04 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.02 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.4 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 4.09 W/kg
SAR(1 g) = 2.7 mW/g; SAR(10 g) = 1.75 mW/g
Maximum value of SAR (measured) = 2.91 mW/g

SCN/88281JD02/261: System Performance Check 900MHz Body 20 06 12
Date: 20/06/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

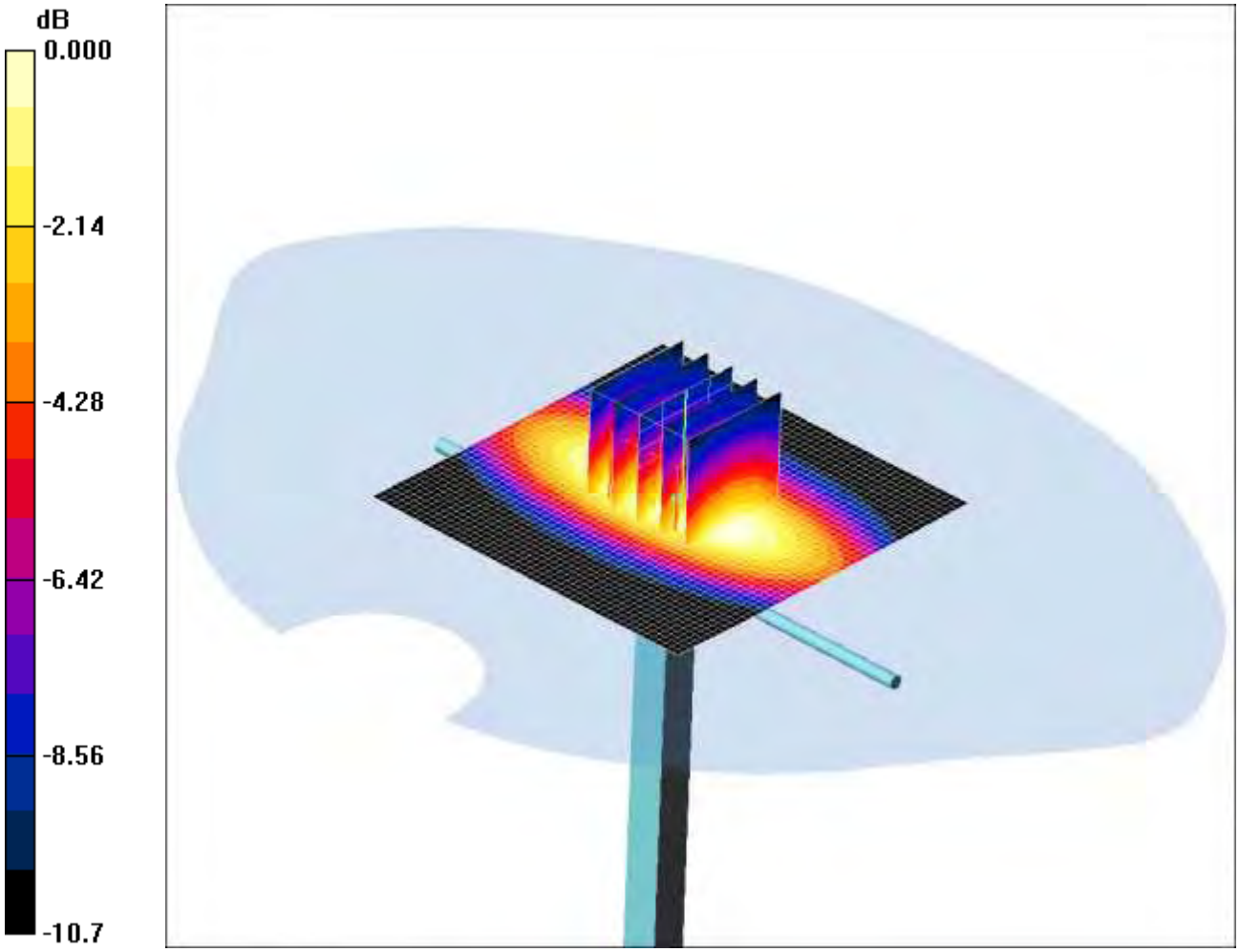


0 dB = 3.06mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.04 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.16 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.3 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 4.27 W/kg
SAR(1 g) = 2.83 mW/g; SAR(10 g) = 1.83 mW/g
Maximum value of SAR (measured) = 3.06 mW/g

SCN/88281JD02/262: System Performance Check 900MHz Body 12 07 12
Date: 12/07/2012
DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124

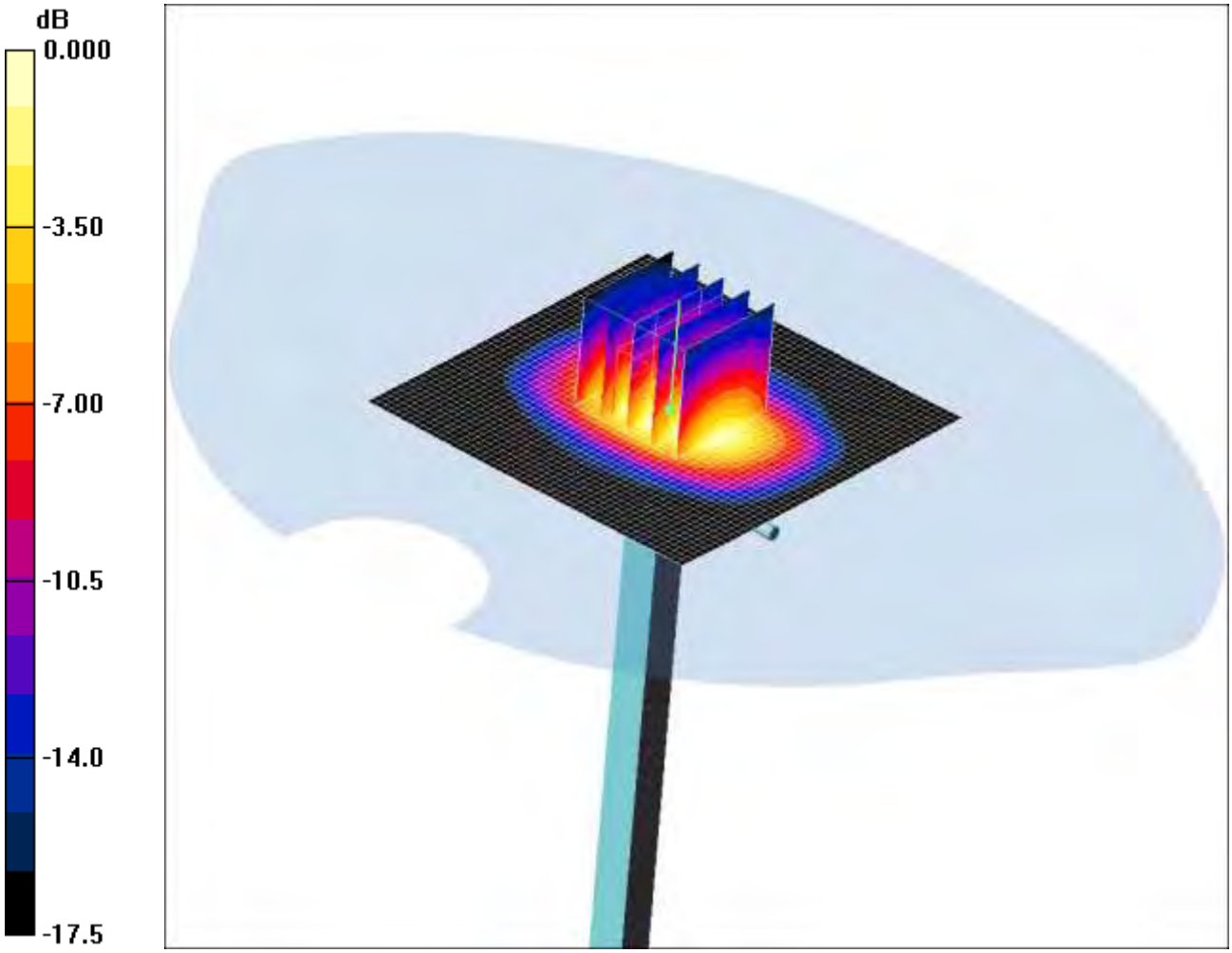


0 dB = 2.92mW/g

Communication System: CW; Frequency: 900 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used: f = 900 MHz; σ = 1.02 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- 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) = 3.09 mW/g
d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.6 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 4.04 W/kg
SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.77 mW/g
Maximum value of SAR (measured) = 2.92 mW/g

SCN/88281JD02/263: System Performance Check 1800MHz Head 21 06 12
Date: 21/06/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

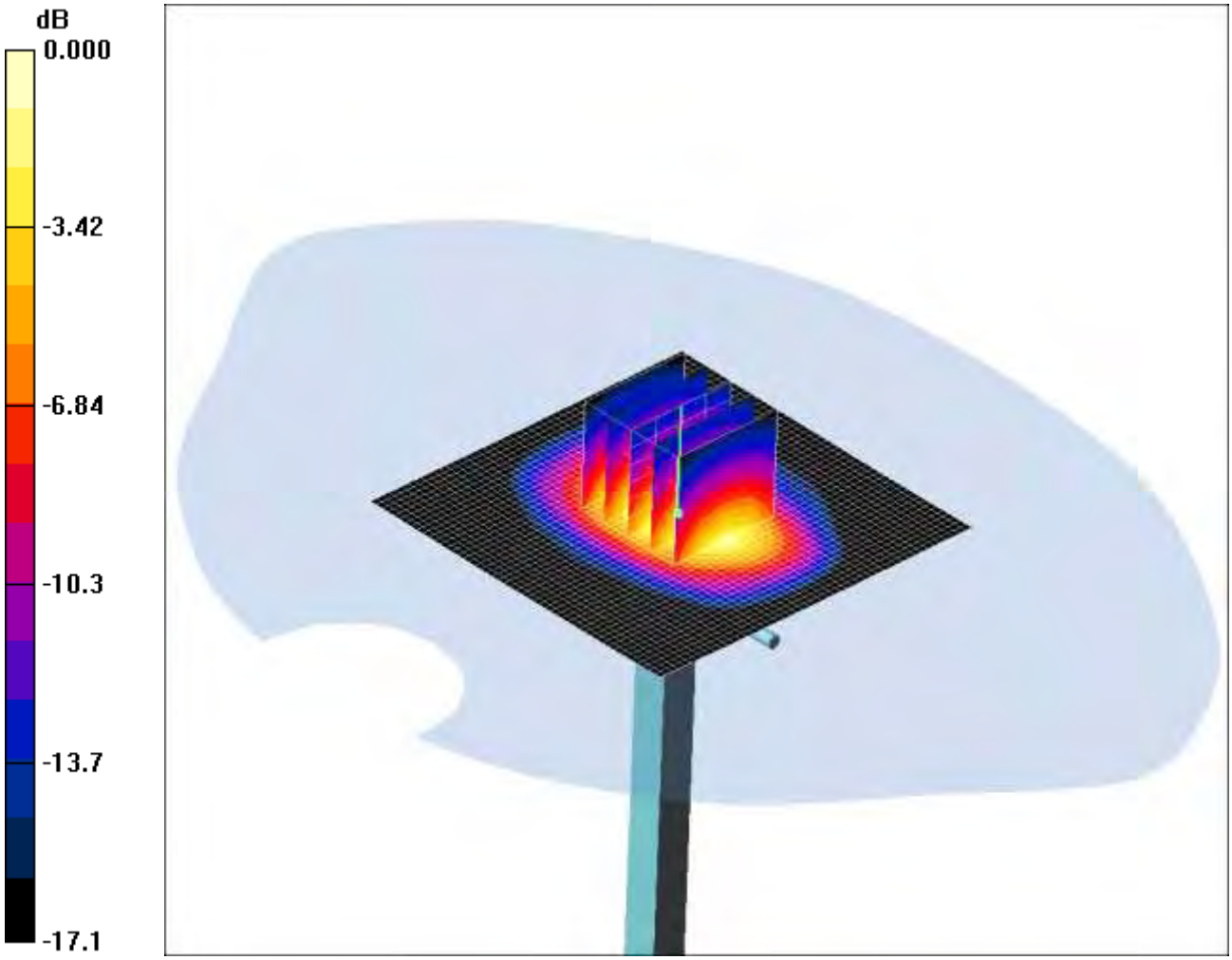


0 dB = 9.86mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz HSL Medium parameters used: f = 1800 MHz; σ = 1.35 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(8.13, 8.13, 8.13); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 13.6 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.3 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 16.3 W/kg
SAR(1 g) = 8.92 mW/g; SAR(10 g) = 4.7 mW/g
Maximum value of SAR (measured) = 9.86 mW/g

SCN/88281JD02/264: System Performance Check 1800MHz Head 11 07 12
Date: 11/07/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

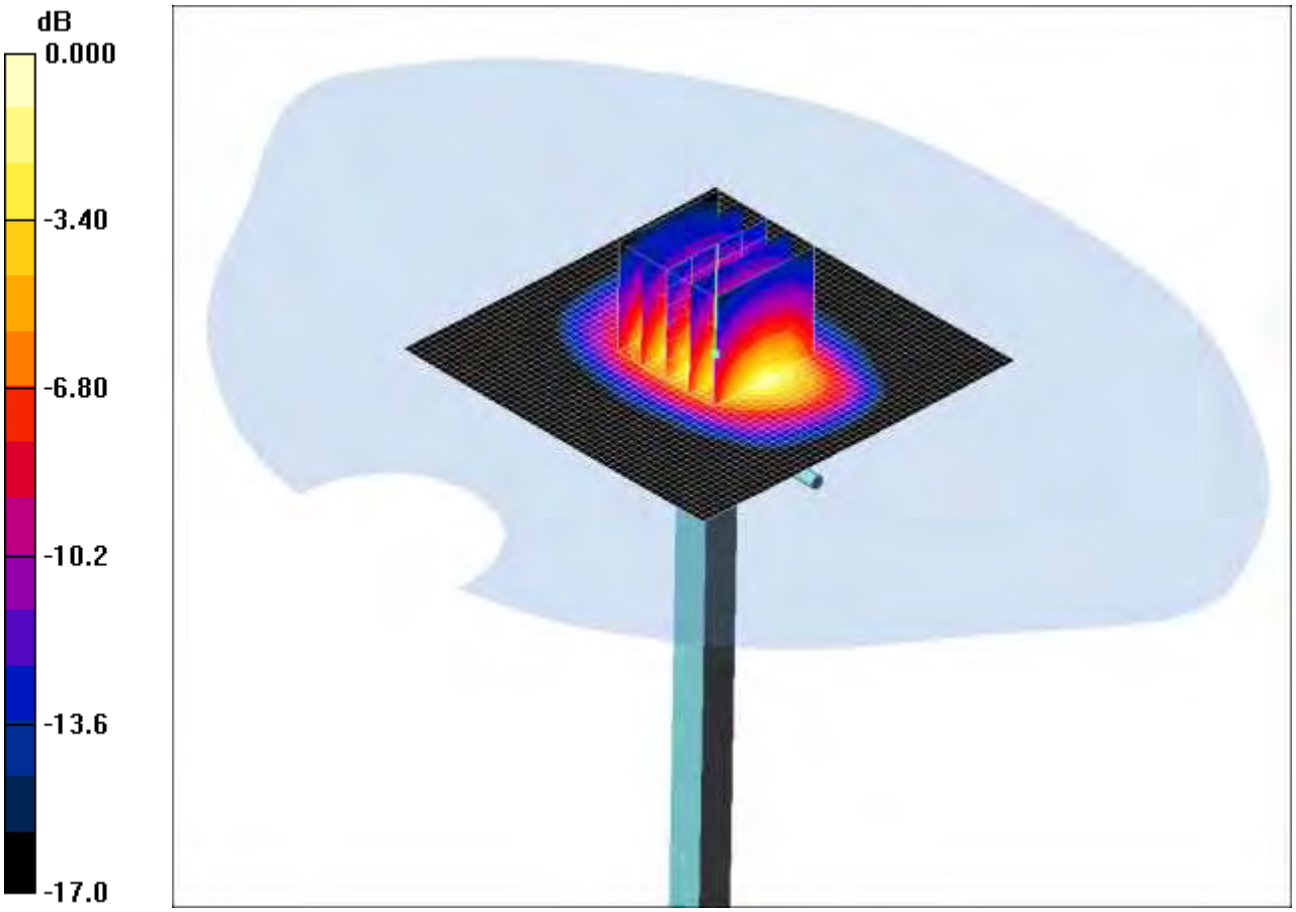


0 dB = 10.7mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz HSL Medium parameters used: f = 1800 MHz; σ = 1.36 mho/m; ε_r = 38.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(8.13, 8.13, 8.13); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.1 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.7 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 9.47 mW/g; SAR(10 g) = 4.96 mW/g
Maximum value of SAR (measured) = 10.7 mW/g

SCN/88281JD02/265: System Performance Check 1800MHz Body 04 07 12
Date: 04/07/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

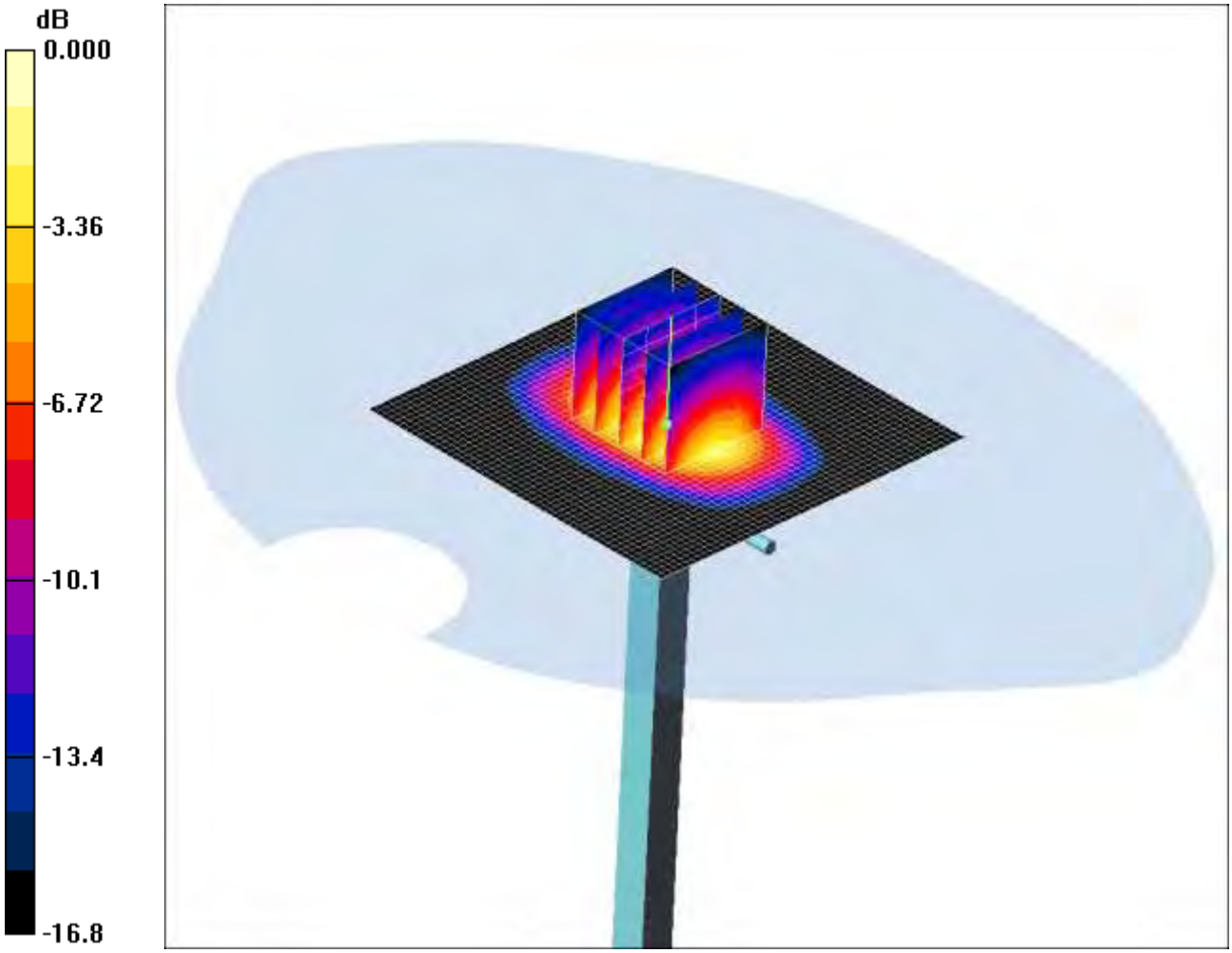


0 dB = 11.3mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used: f = 1800 MHz; σ = 1.5 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.58, 7.58, 7.58); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW; D1800V2 SN264/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.2 mW/g
d=10mm, Pin=250mW; D1800V2 SN264/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.1 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.33 mW/g
Maximum value of SAR (measured) = 11.3 mW/g

SCN/88281JD02/266: System Performance Check 1800MHz Body 05 07 12
Date: 05/07/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

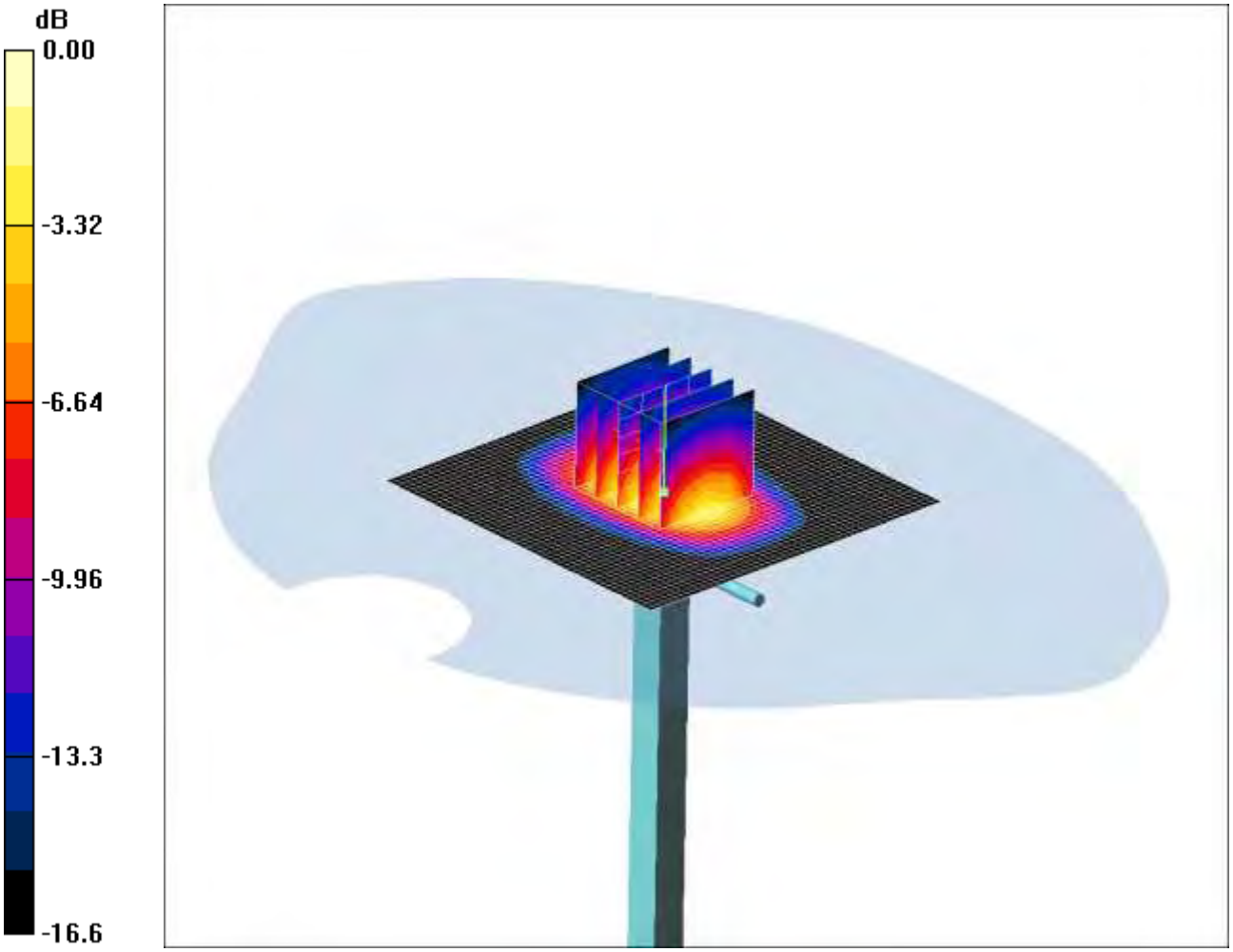


0 dB = 11.4mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used: f = 1800 MHz; σ = 1.5 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.92, 4.92, 4.92); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW; D1800V2 SN264/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 16.6 mW/g
d=10mm, Pin=250mW; D1800V2 SN264/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 92.6 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 16.9 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.43 mW/g
Maximum value of SAR (measured) = 11.4 mW/g

SCN/88281JD02/267: System Performance Check 1800MHz Body 06 07 12
Date: 06/07/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

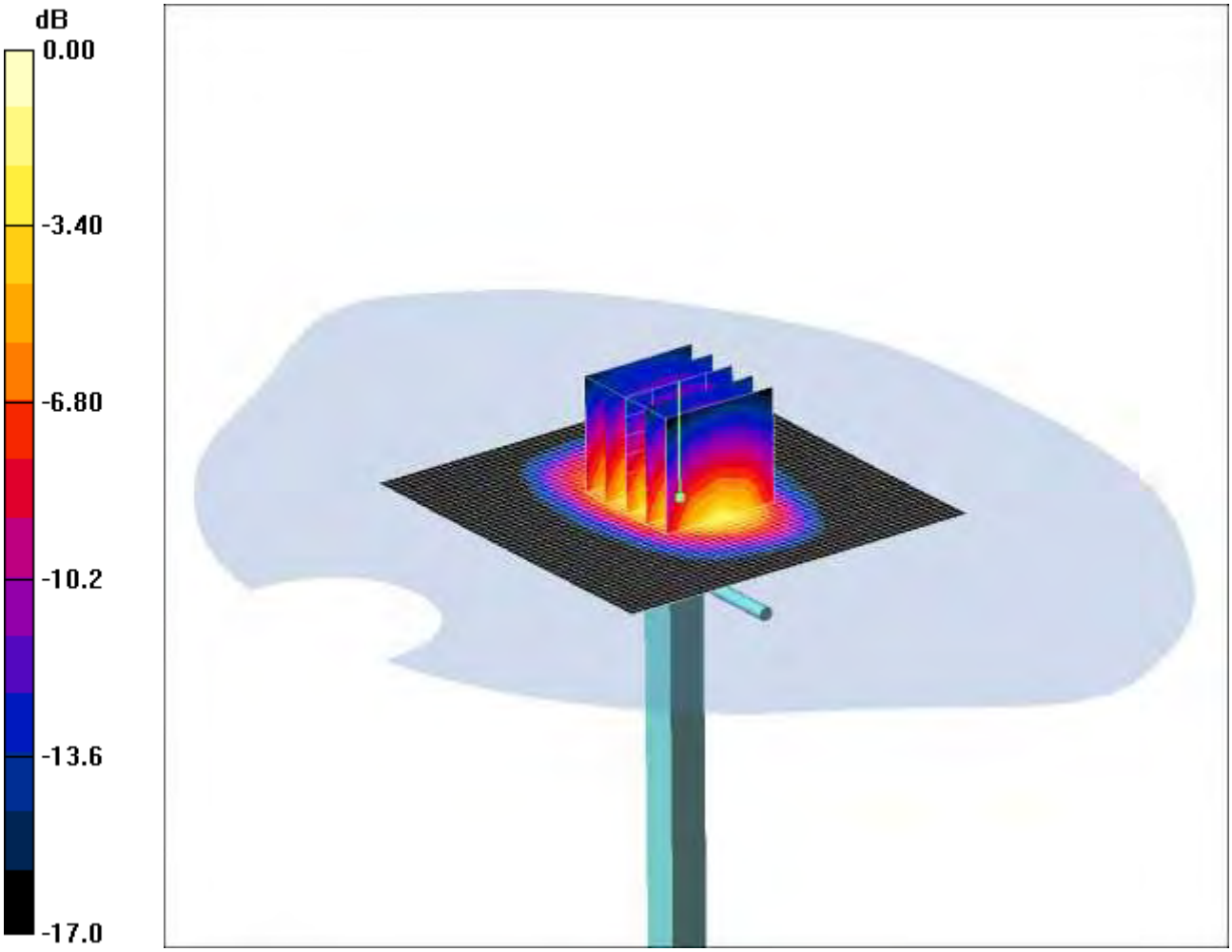


0 dB = 10.9mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used: f = 1800 MHz; σ = 1.53 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.92, 4.92, 4.92); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW; D1800V2 SN264/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 15.3 mW/g
d=10mm, Pin=250mW; D1800V2 SN264/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 90.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 16.2 W/kg
SAR(1 g) = 9.73 mW/g; SAR(10 g) = 5.21 mW/g
Maximum value of SAR (measured) = 10.9 mW/g

SCN/88281JD02/268: System Performance Check 1800MHz Body 07 07 12
Date: 07/07/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

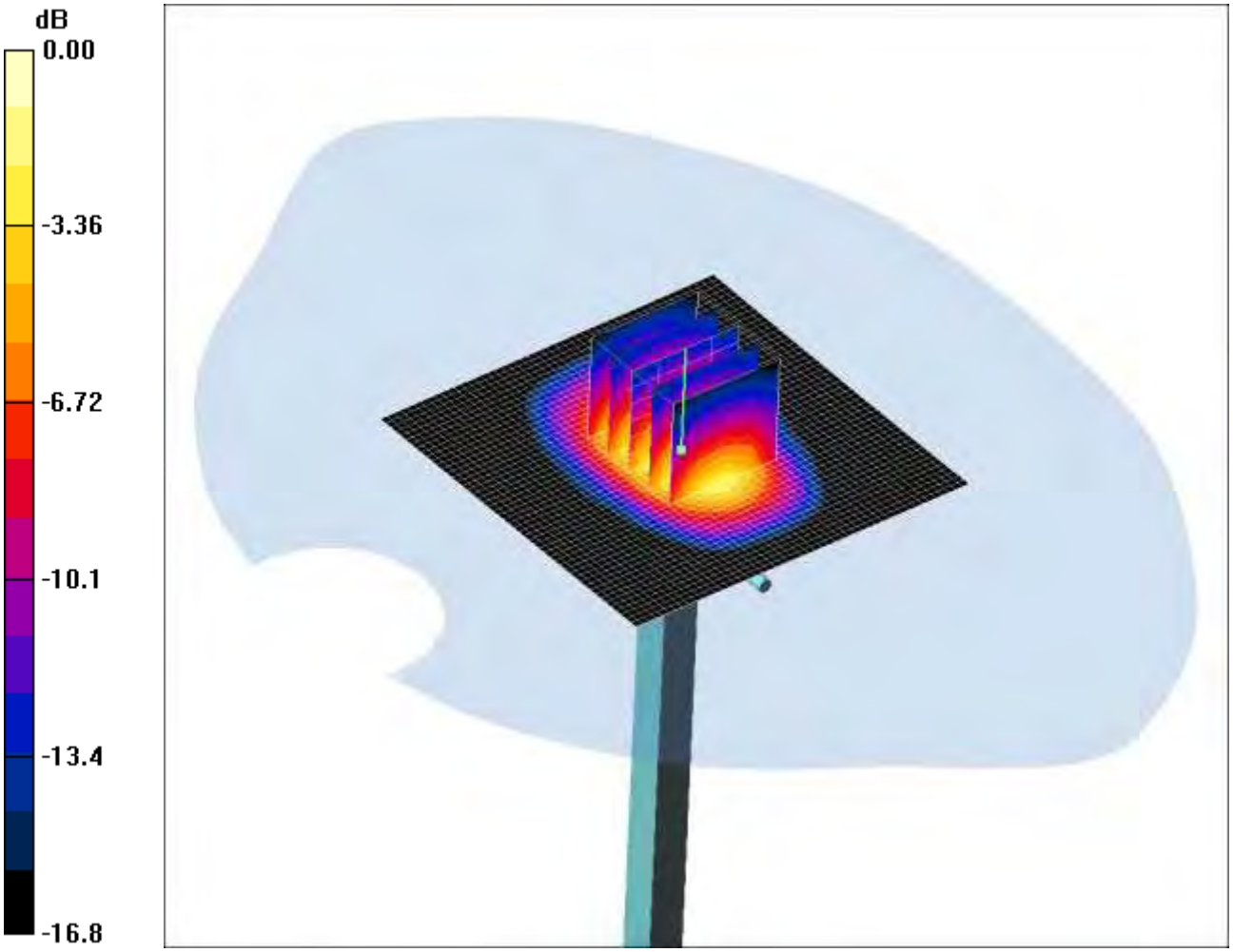


0 dB = 11.3mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used: f = 1800 MHz; σ = 1.53 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.92, 4.92, 4.92); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW; D1800V2 SN264/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 15.0 mW/g
d=10mm, Pin=250mW; D1800V2 SN264/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 88.6 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 16.8 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.4 mW/g
Maximum value of SAR (measured) = 11.3 mW/g

SCN/88281JD02/269: System Performance Check 1800MHz Body 08 07 12
Date 08/07/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

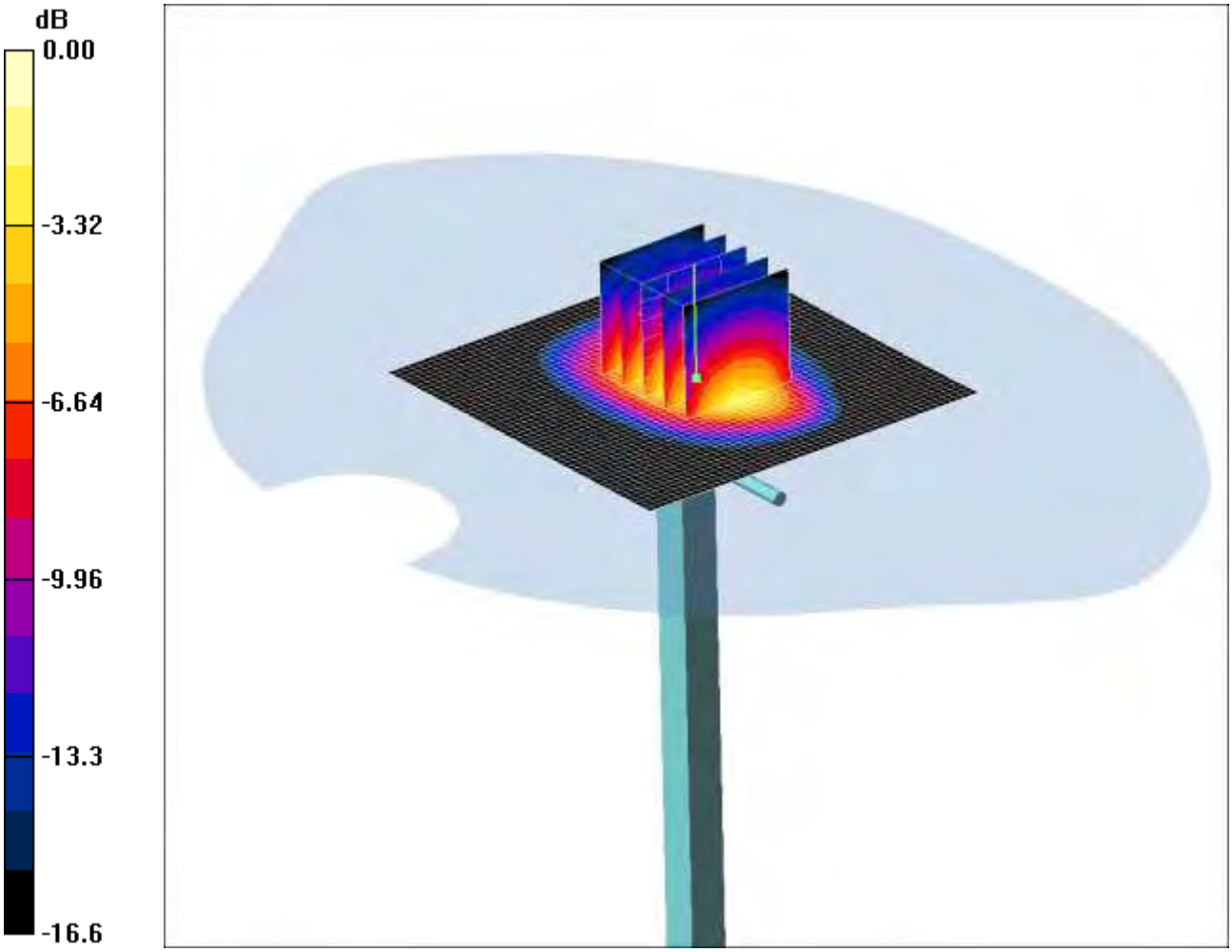


0 dB = 11.1mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used: f = 1800 MHz; σ = 1.52 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.92, 4.92, 4.92); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW; D1800V2 SN264/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.7 mW/g
d=10mm, Pin=250mW; D1800V2 SN264/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 89.9 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 16.4 W/kg
SAR(1 g) = 9.81 mW/g; SAR(10 g) = 5.25 mW/g
Maximum value of SAR (measured) = 11.1 mW/g

SCN/88281JD02/270: System Performance Check 1800MHz Body 09 07 12
Date: 09/07/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

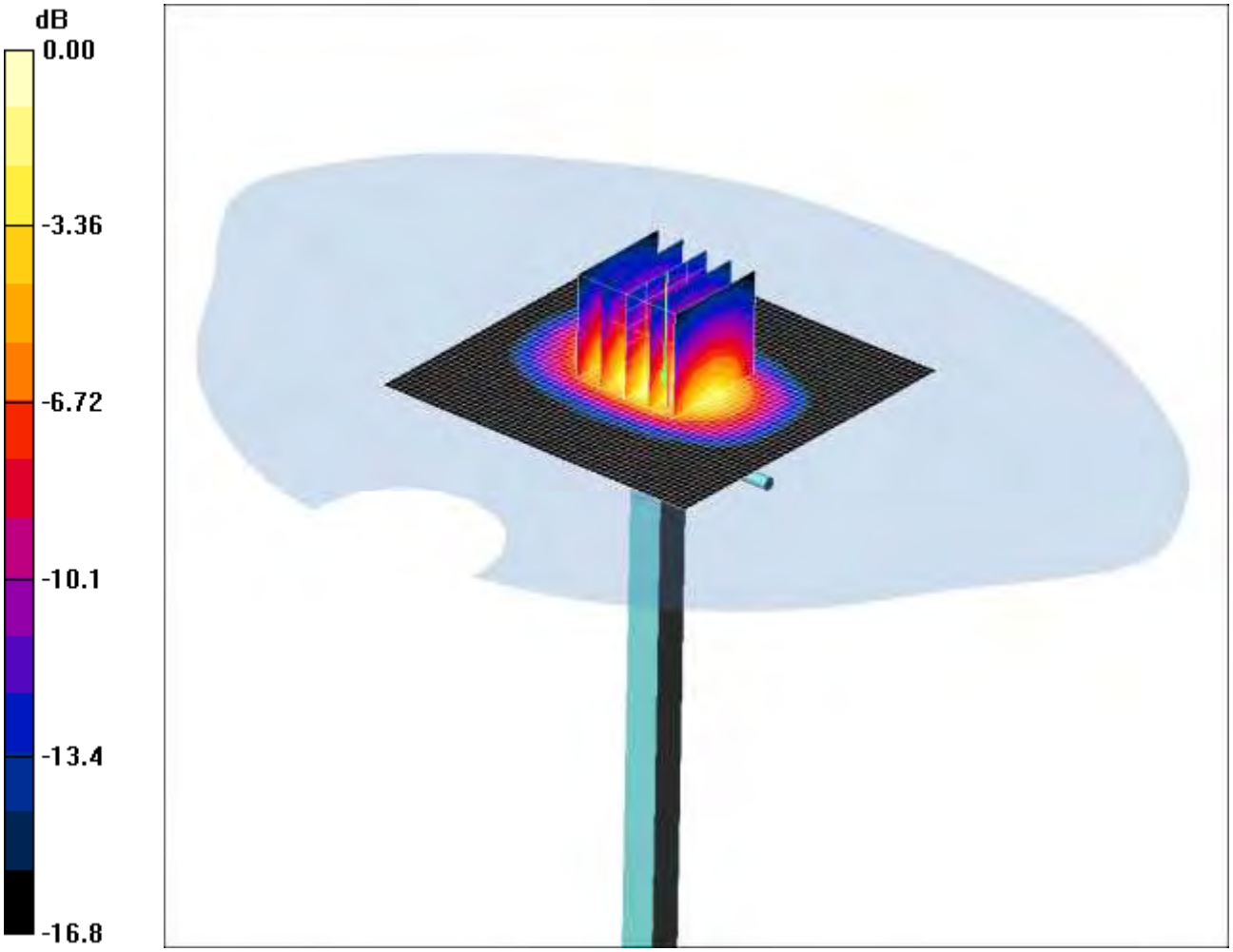


0 dB = 10.9mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used: f = 1800 MHz; σ = 1.52 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.92, 4.92, 4.92); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW; D1800V2 SN264/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 13.7 mW/g
d=10mm, Pin=250mW; D1800V2 SN264/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.7 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 16.1 W/kg
SAR(1 g) = 9.65 mW/g; SAR(10 g) = 5.18 mW/g
Maximum value of SAR (measured) = 10.9 mW/g

SCN/88281JD02/271: System Performance Check 1800MHz Body 10 07 12
Date: 10/07/2012
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 264

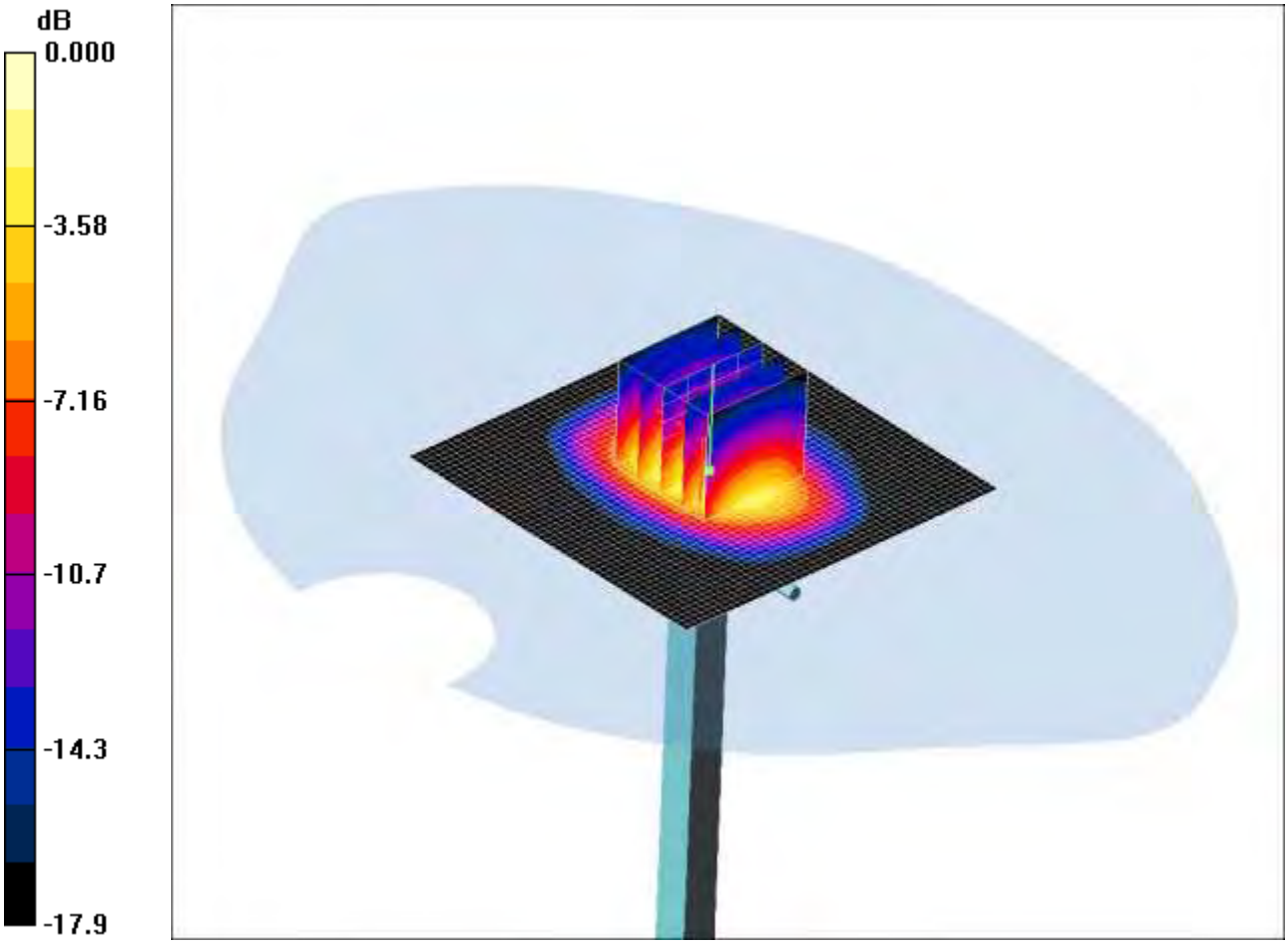


0 dB = 11.2mW/g

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used: f = 1800 MHz; σ = 1.52 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.92, 4.92, 4.92); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW; D1800V2 SN264/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.8 mW/g
d=10mm, Pin=250mW; D1800V2 SN264/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 89.9 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 9.89 mW/g; SAR(10 g) = 5.31 mW/g
Maximum value of SAR (measured) = 11.2 mW/g

SCN/88281JD02/272: System Performance Check 1900MHz Head 20 06 12
Date: 20/06/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

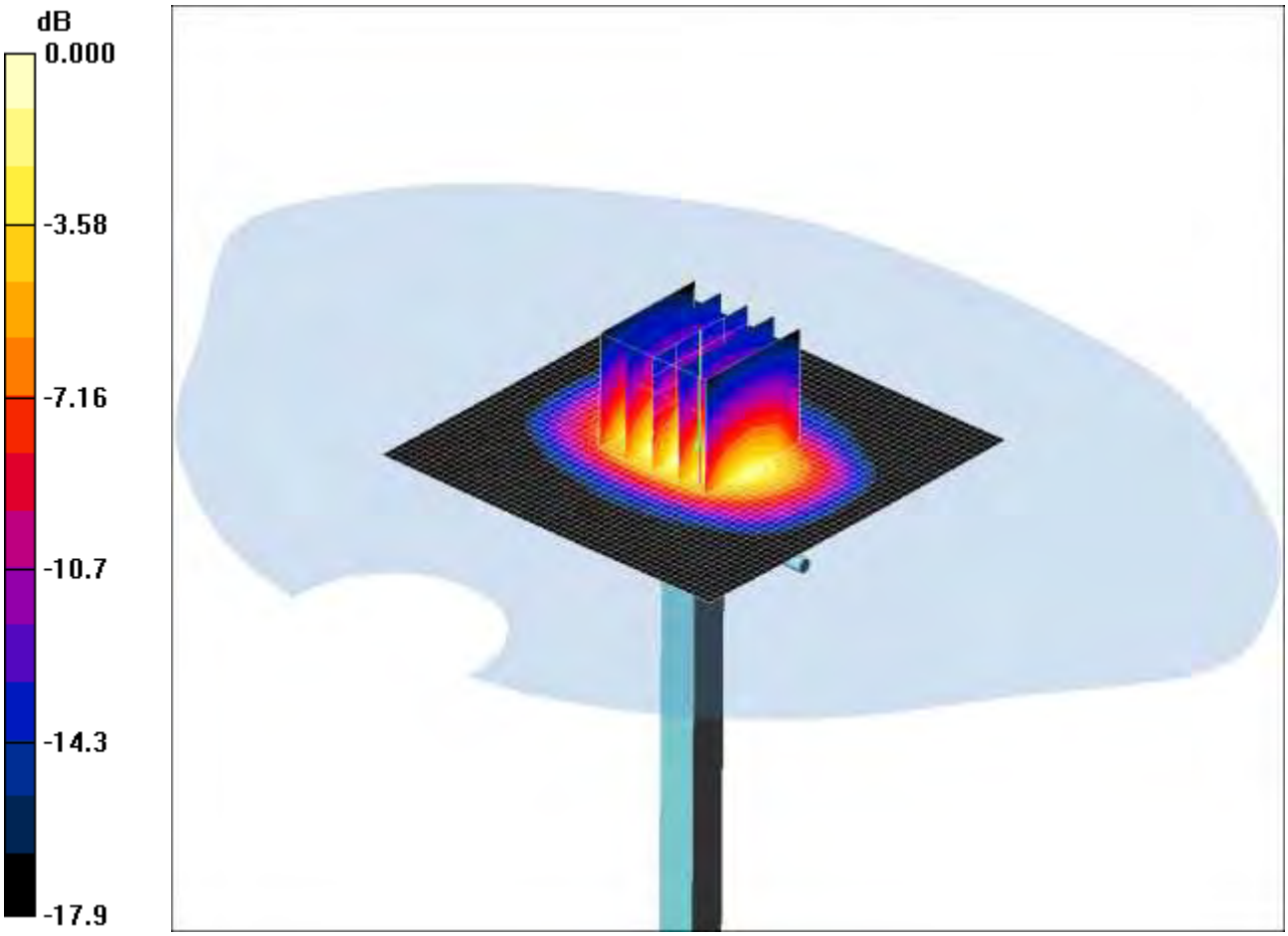


0 dB = 10.9mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.45 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 15.0 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 84.3 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 18.4 W/kg
SAR(1 g) = 9.78 mW/g; SAR(10 g) = 5.06 mW/g
Maximum value of SAR (measured) = 10.9 mW/g

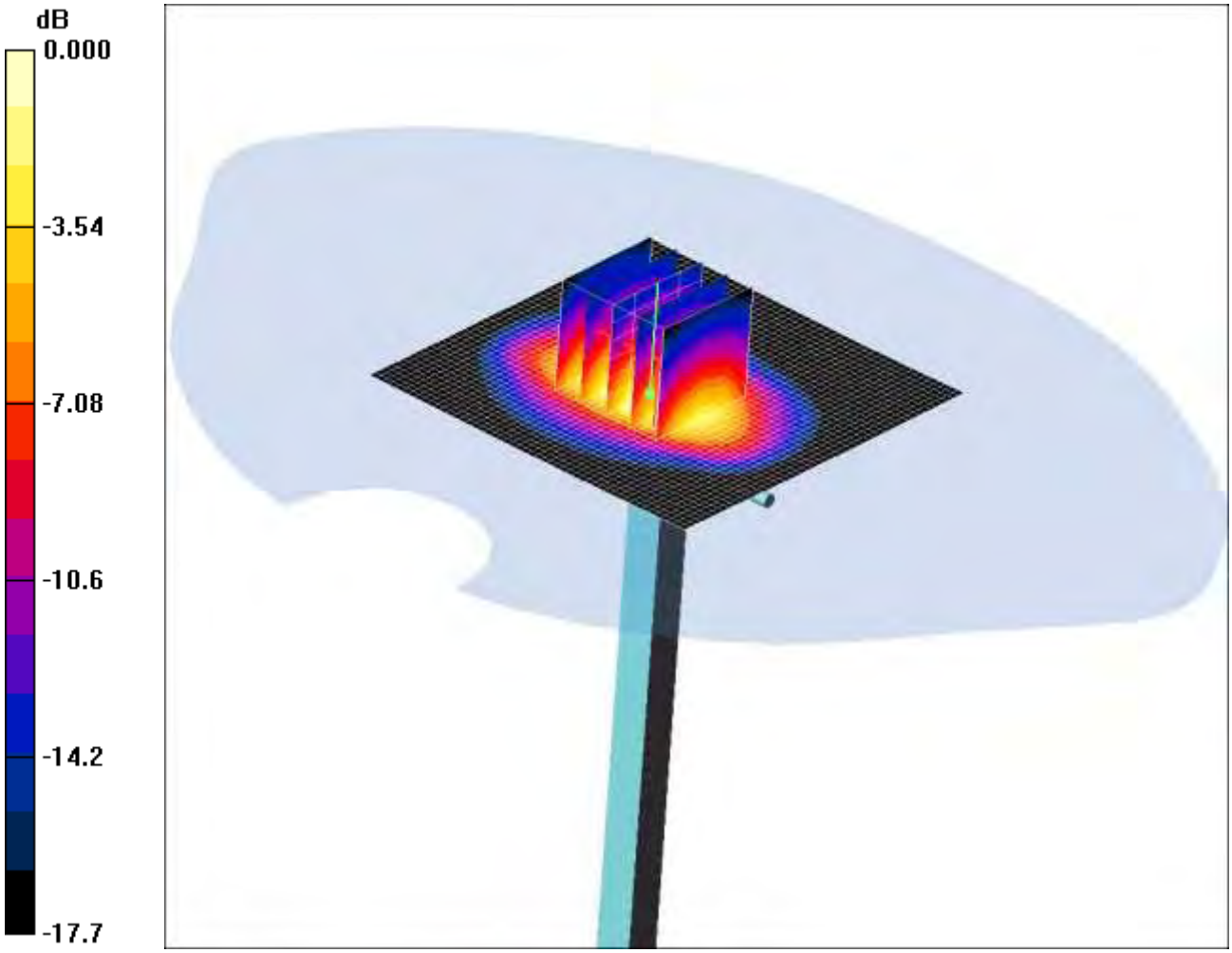
SCN/88281JD02/273: System Performance Check 1900MHz Head 22 06 12
Date: 22/06/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.2mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.44 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 16.0 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 87.9 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 18.7 W/kg
SAR(1 g) = 9.98 mW/g; SAR(10 g) = 5.15 mW/g
Maximum value of SAR (measured) = 11.2 mW/g

SCN/88281JD02/274: System Performance Check 1900MHz Head 29 06 12
Date: 29/06/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

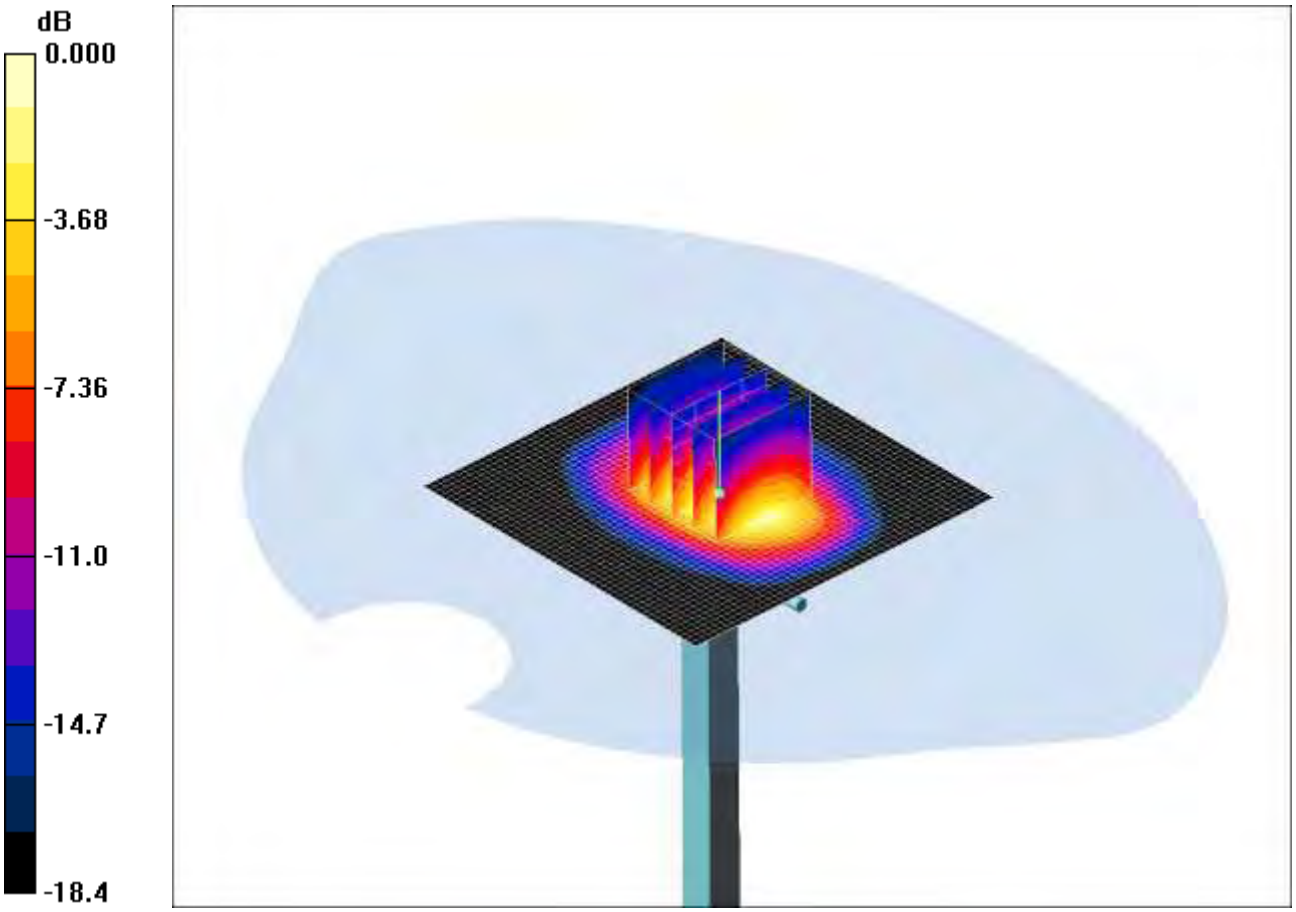


0 dB = 11.5mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.42 mho/m; ε_r = 39.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(5.18, 5.18, 5.18); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 13.7 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 83.9 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.33 mW/g
Maximum value of SAR (measured) = 11.5 mW/g

SCN/88281JD02/275: System Performance Check 1900MHz Head 03 07 12
Date: 03/07/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

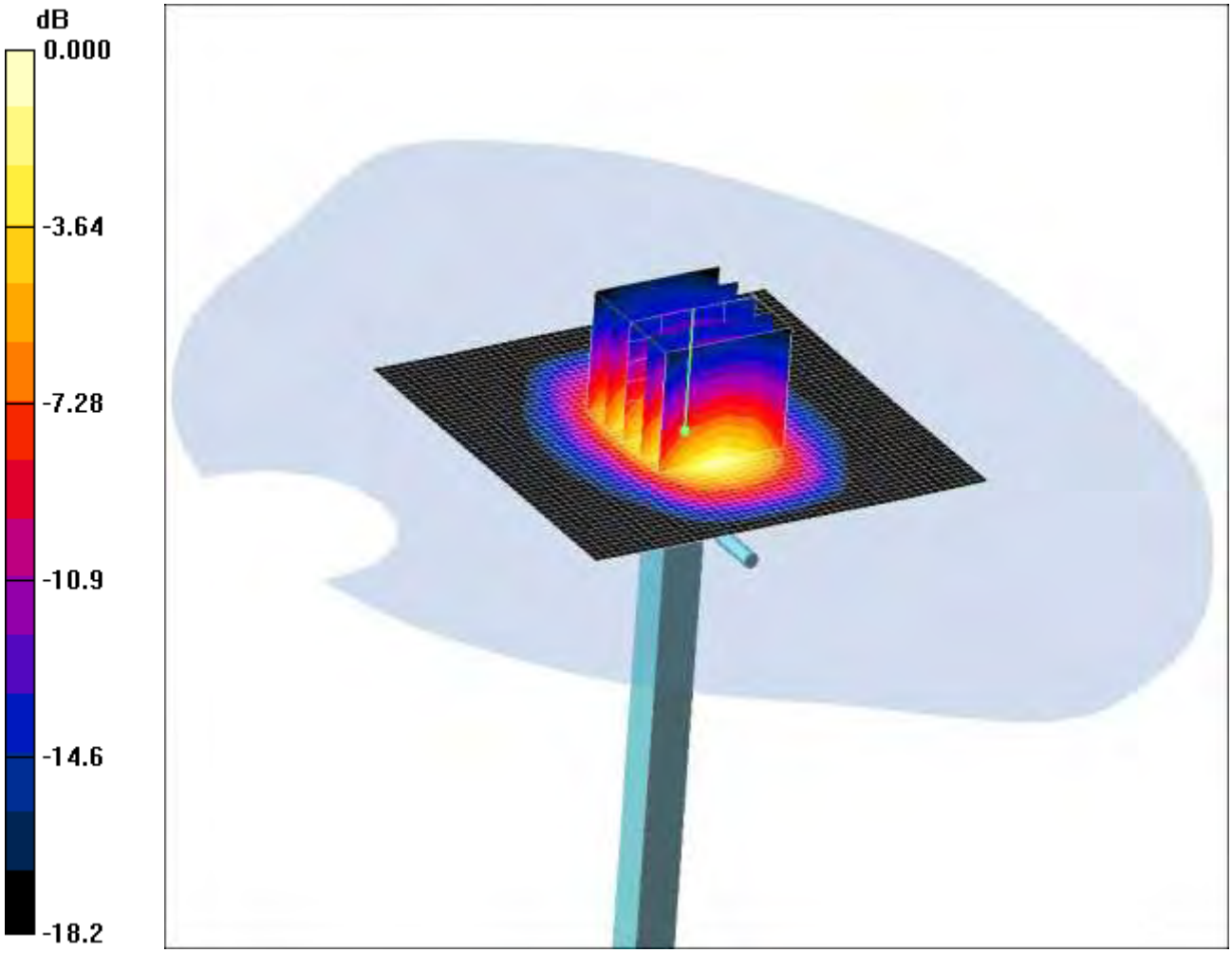


0 dB = 11.0mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.44 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 13.9 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 85.6 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 18.7 W/kg
SAR(1 g) = 9.84 mW/g; SAR(10 g) = 5.02 mW/g
Maximum value of SAR (measured) = 11.0 mW/g

SCN/88281JD02/276: System Performance Check 1900MHz Head 04 07 12
Date: 04/07/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

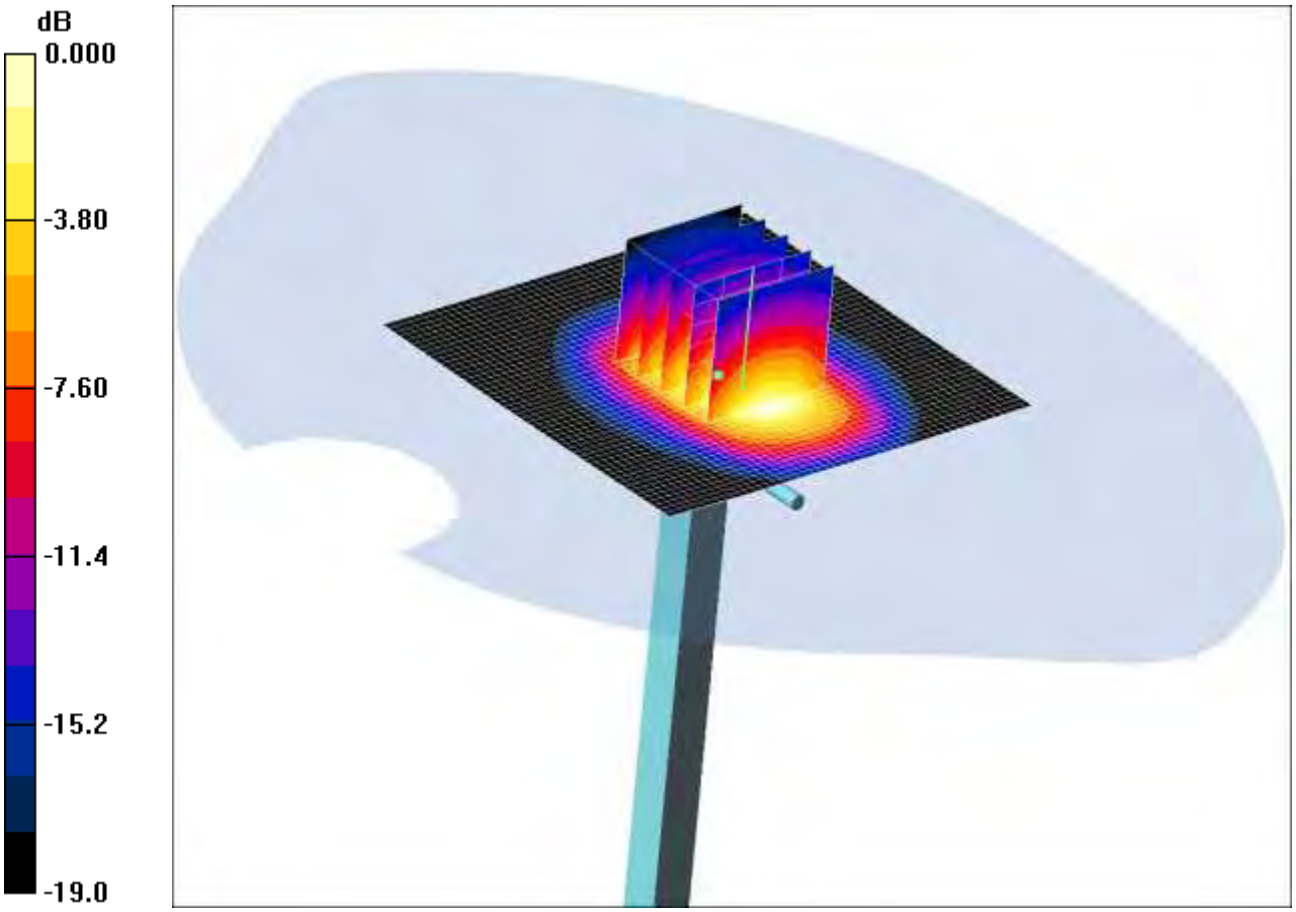


0 dB = 11.7mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.44 mho/m; ε_r = 38.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 15.7 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 89.2 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 19.6 W/kg
SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.32 mW/g
Maximum value of SAR (measured) = 11.7 mW/g

SCN/88281JD02/277: System Performance Check 1900MHz Head 06 07 12
Date: 06/07/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

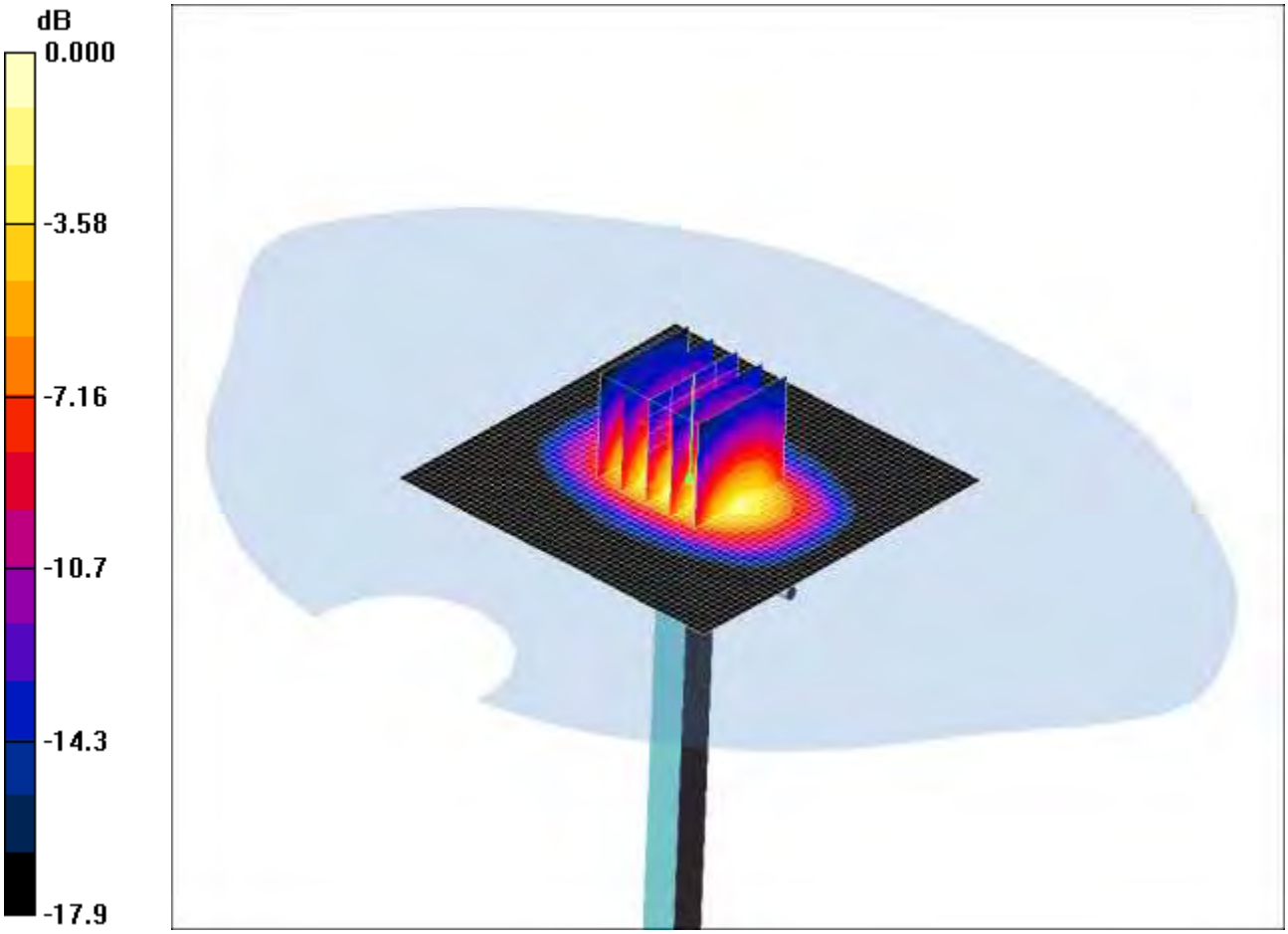


0 dB = 11.1mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz HSL Medium parameters used: f = 1900 MHz; σ = 1.45 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 13.8 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 82.1 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 19.1 W/kg
SAR(1 g) = 10 mW/g; SAR(10 g) = 5.14 mW/g
Maximum value of SAR (measured) = 11.1 mW/g

SCN/88281JD02/278: System Performance Check 1900MHz Body 21 06 12
Date: 21/06/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

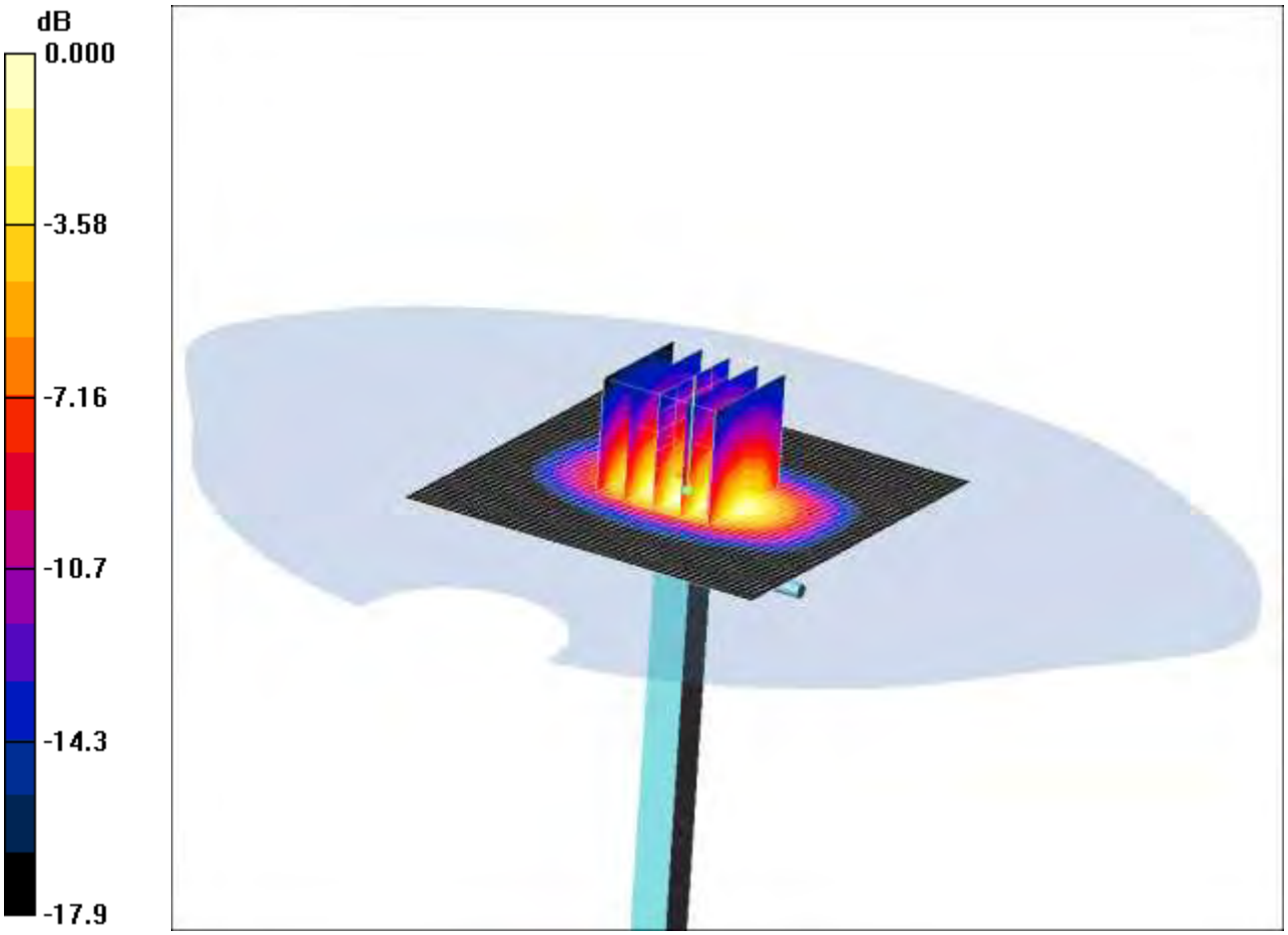


0 dB = 11.9mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.56 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 16.9 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 87.1 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 19.5 W/kg
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.42 mW/g
Maximum value of SAR (measured) = 11.9 mW/g

SCN/88281JD02/279: System Performance Check 1900MHz Body 22 06 12
Date: 22/06/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

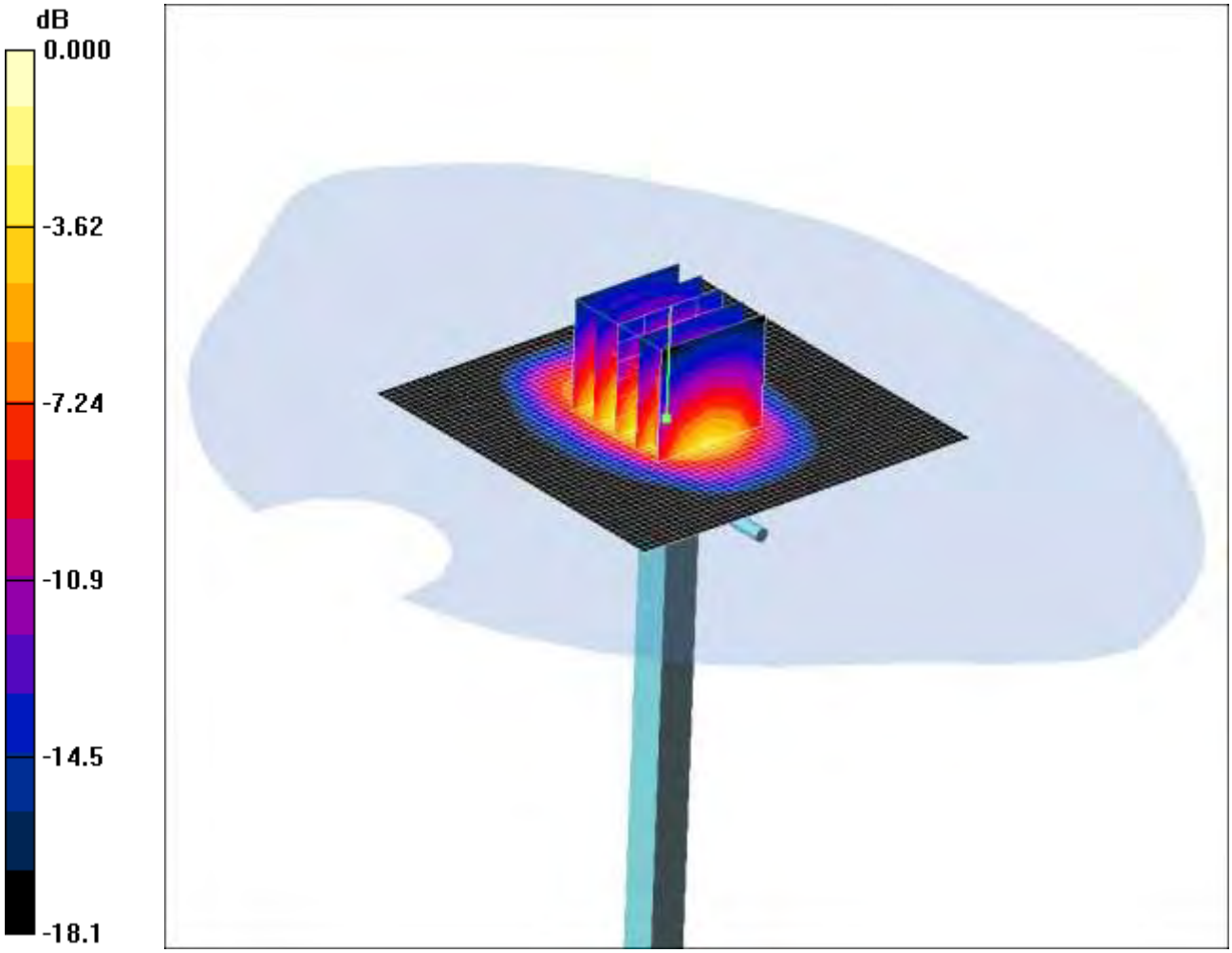


0 dB = 11.9mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.56 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 16.4 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.7 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 19.4 W/kg
SAR(1 g) = 10.6 mW/g; SAR(10 g) = 5.49 mW/g
Maximum value of SAR (measured) = 11.9 mW/g

SCN/88281JD02/280: System Performance Check 1900MHz Body 05 07 12
Date: 05/07/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

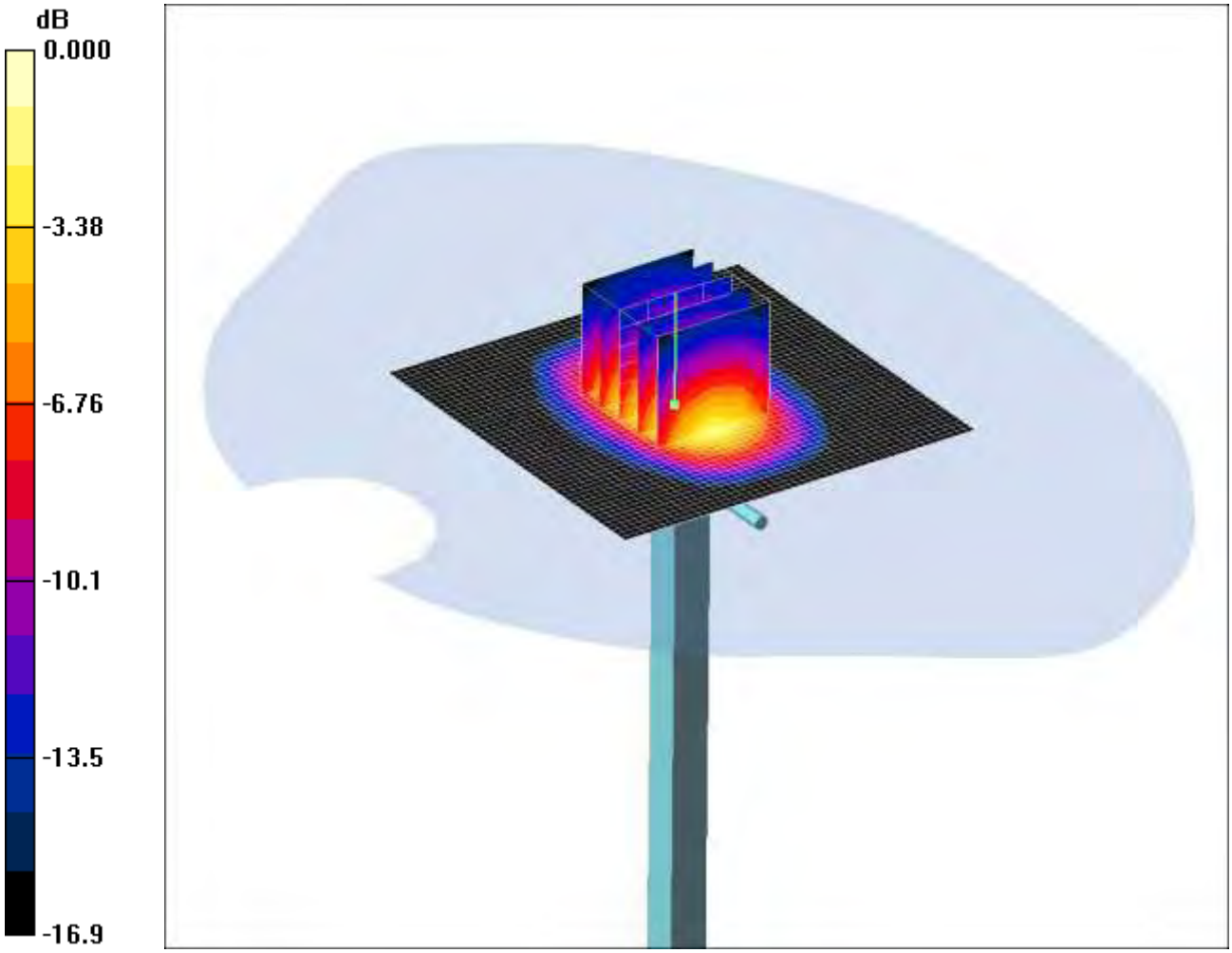


0 dB = 11.8mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.58 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.7 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 84.3 V/m; Power Drift = 0.293 dB
Peak SAR (extrapolated) = 19.5 W/kg
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.37 mW/g
Maximum value of SAR (measured) = 11.8 mW/g

SCN/88281JD02/281: System Performance Check 1900MHz Body 07 07 12
Date: 07/07/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

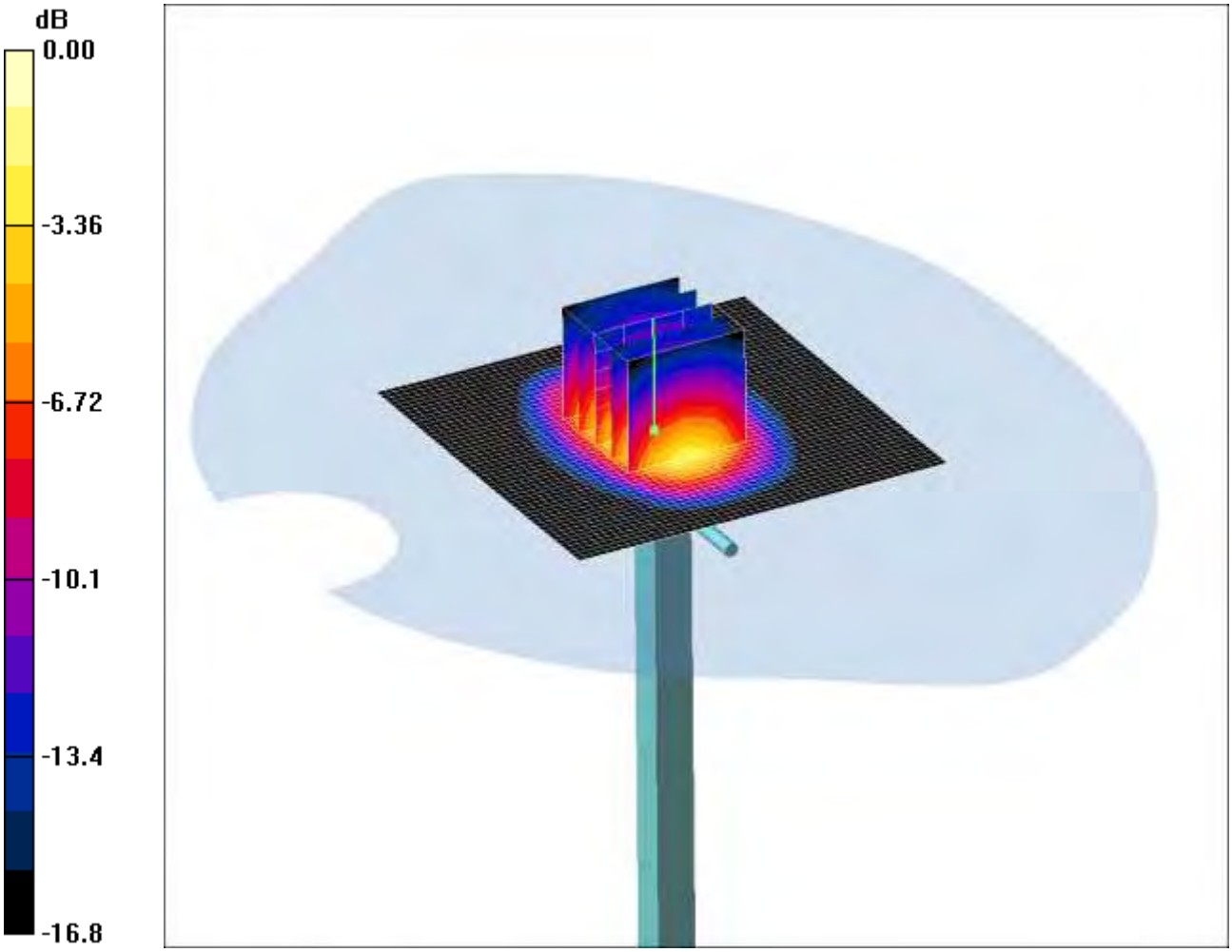


0 dB = 11.0mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.52 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.1 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 90.7 V/m; Power Drift = 0.079 dB
Peak SAR (extrapolated) = 15.7 W/kg
SAR(1 g) = 9.72 mW/g; SAR(10 g) = 5.25 mW/g
Maximum value of SAR (measured) = 11.0 mW/g

SCN/88281JD02/282: System Performance Check 1900MHz Body 08 07 12
Date 08/07/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

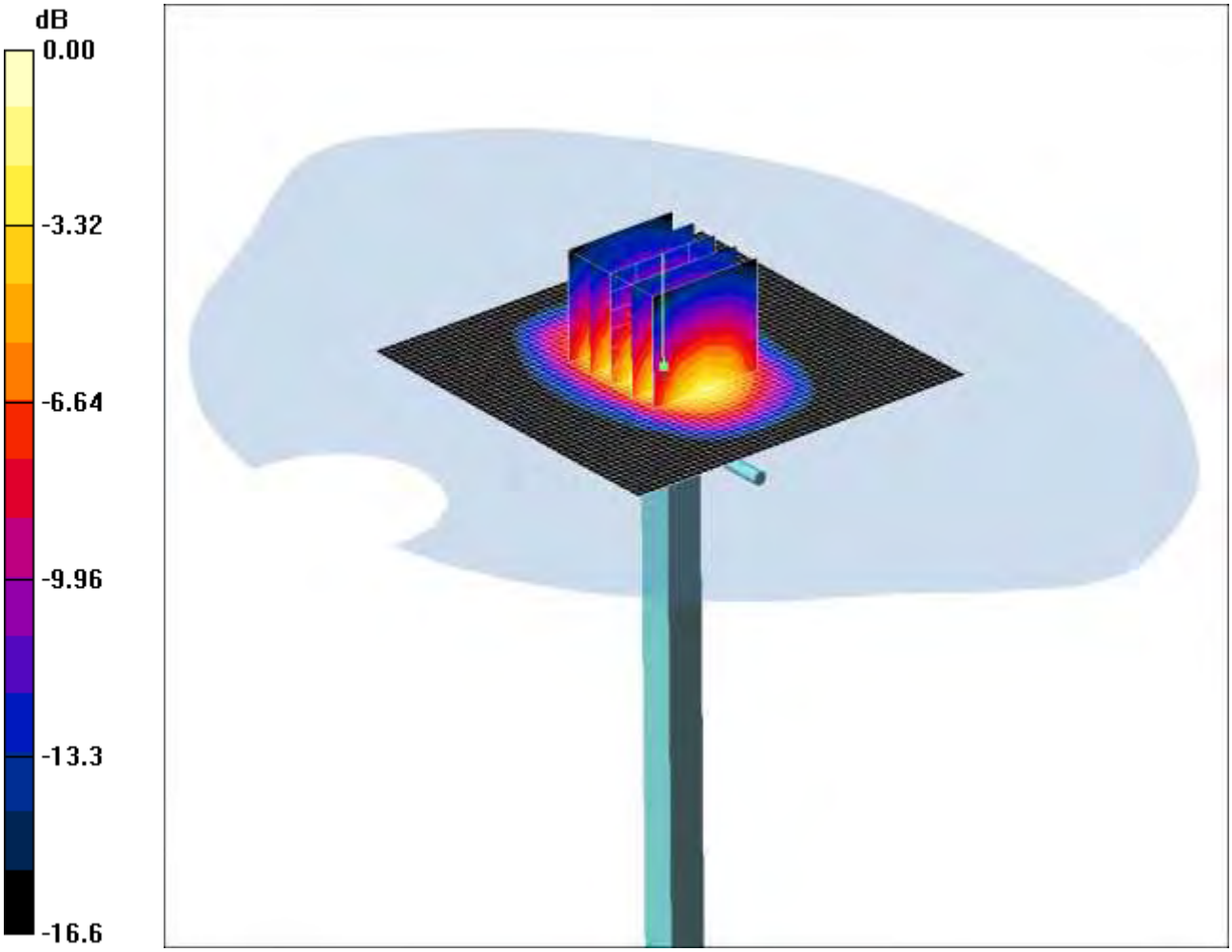


0 dB = 11.2mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.52 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.2 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 91.9 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 16.0 W/kg
SAR(1 g) = 9.92 mW/g; SAR(10 g) = 5.34 mW/g
Maximum value of SAR (measured) = 11.2 mW/g

SCN/88281JD02/283: System Performance Check 1900MHz Body 09 07 12
Date: 09/07/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

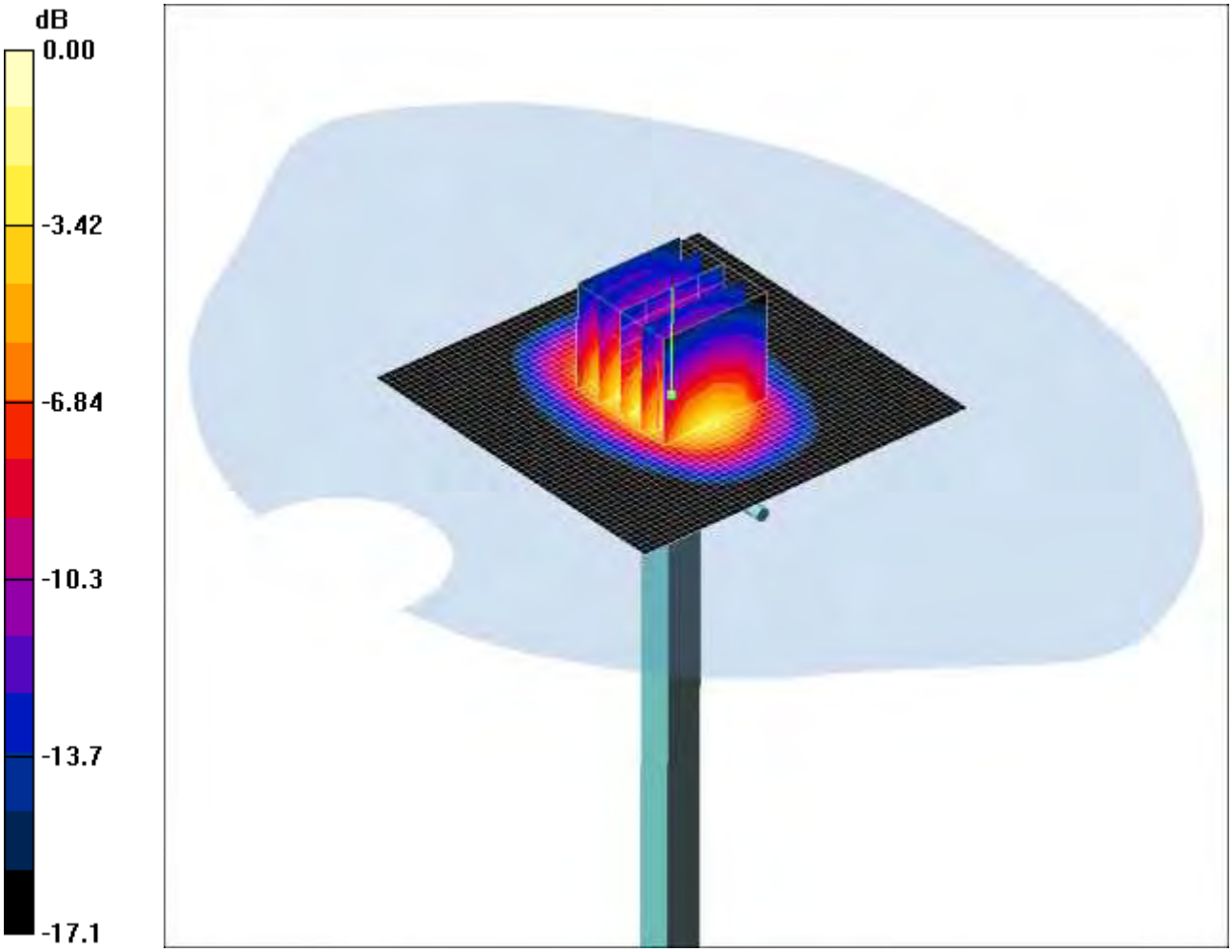


0 dB = 11.8mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.53 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.7 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 93.1 V/m; Power Drift = 0.105 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.6 mW/g
Maximum value of SAR (measured) = 11.8 mW/g

SCN/88281JD02/284: System Performance Check 1900MHz Body 10 07 12
Date: 10/07/2012
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540

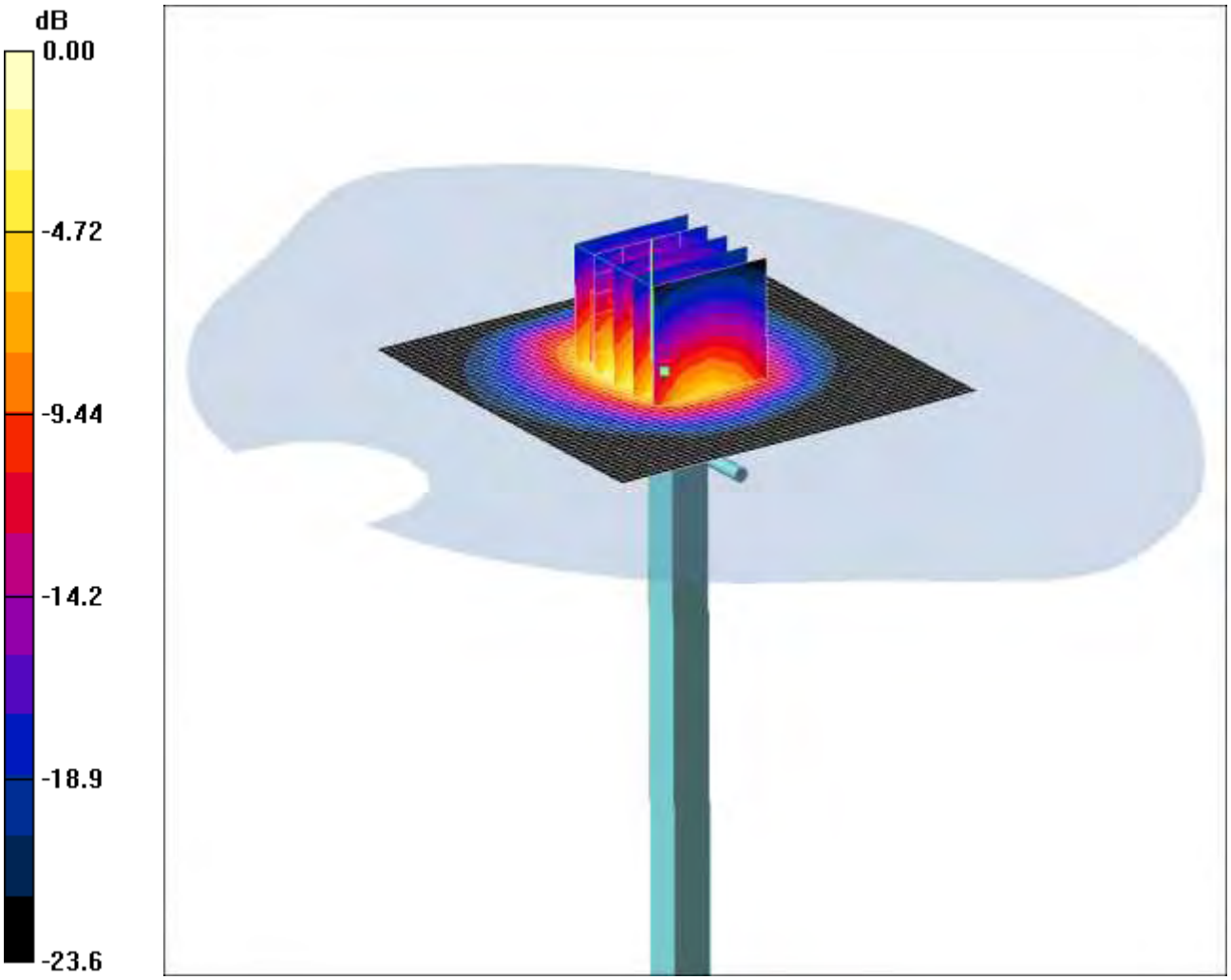


0 dB = 11.2mW/g

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used: f = 1900 MHz; σ = 1.53 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 14.2 mW/g
d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 89.8 V/m; Power Drift = 0.291 dB
Peak SAR (extrapolated) = 16.1 W/kg
SAR(1 g) = 10 mW/g; SAR(10 g) = 5.41 mW/g
Maximum value of SAR (measured) = 11.2 mW/g

SCN/88281JD02/285: System Performance Check 2450MHz Head 26 06 12
Date: 26/06/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

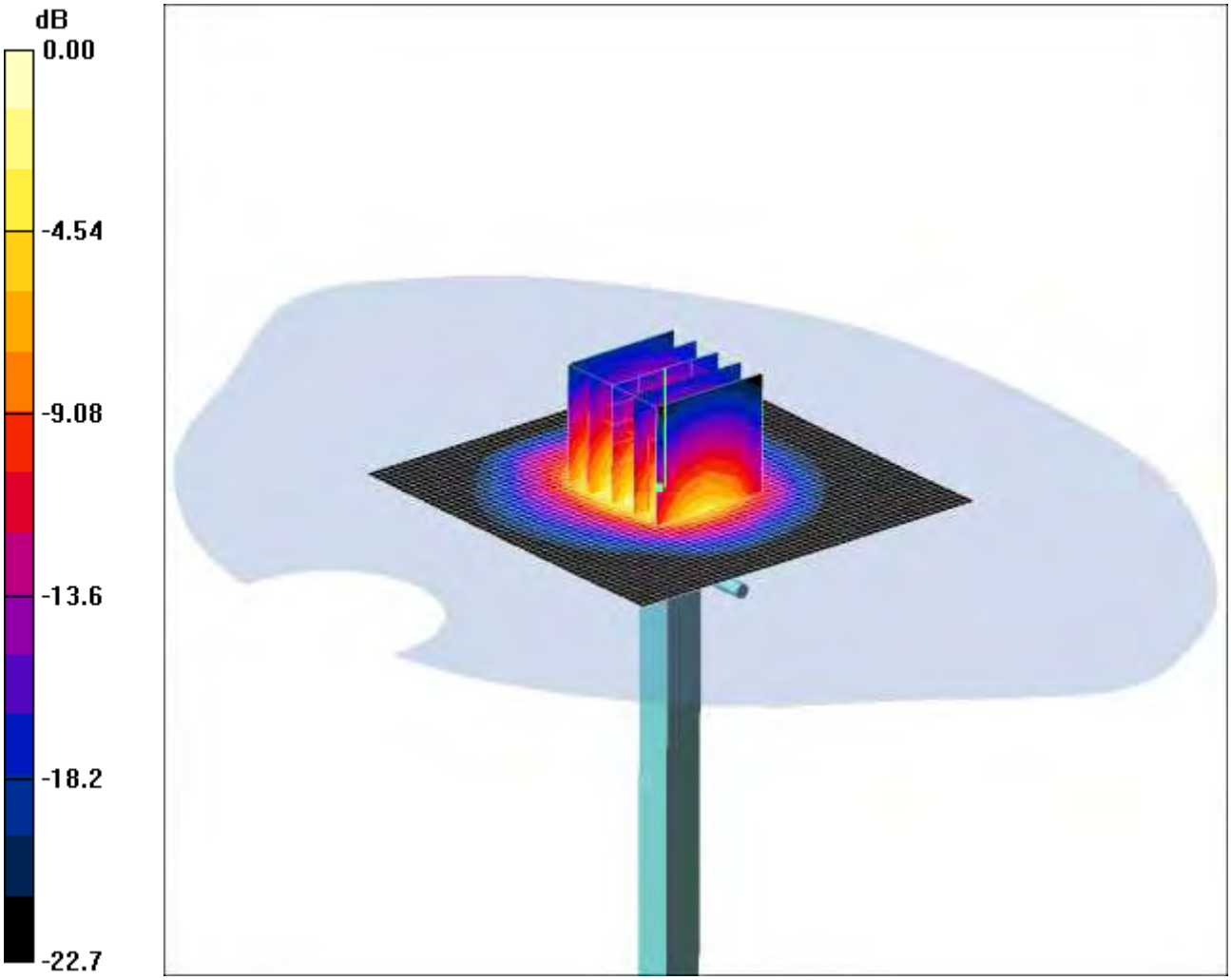


0 dB = 14.9mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used: f = 2450 MHz; σ = 1.81 mho/m; ε_r = 38.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.52, 4.52, 4.52); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

d=10mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 18.4 mW/g
d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 90.8 V/m; Power Drift = 0.188 dB
Peak SAR (extrapolated) = 28.5 W/kg
SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.43 mW/g
Maximum value of SAR (measured) = 14.9 mW/g

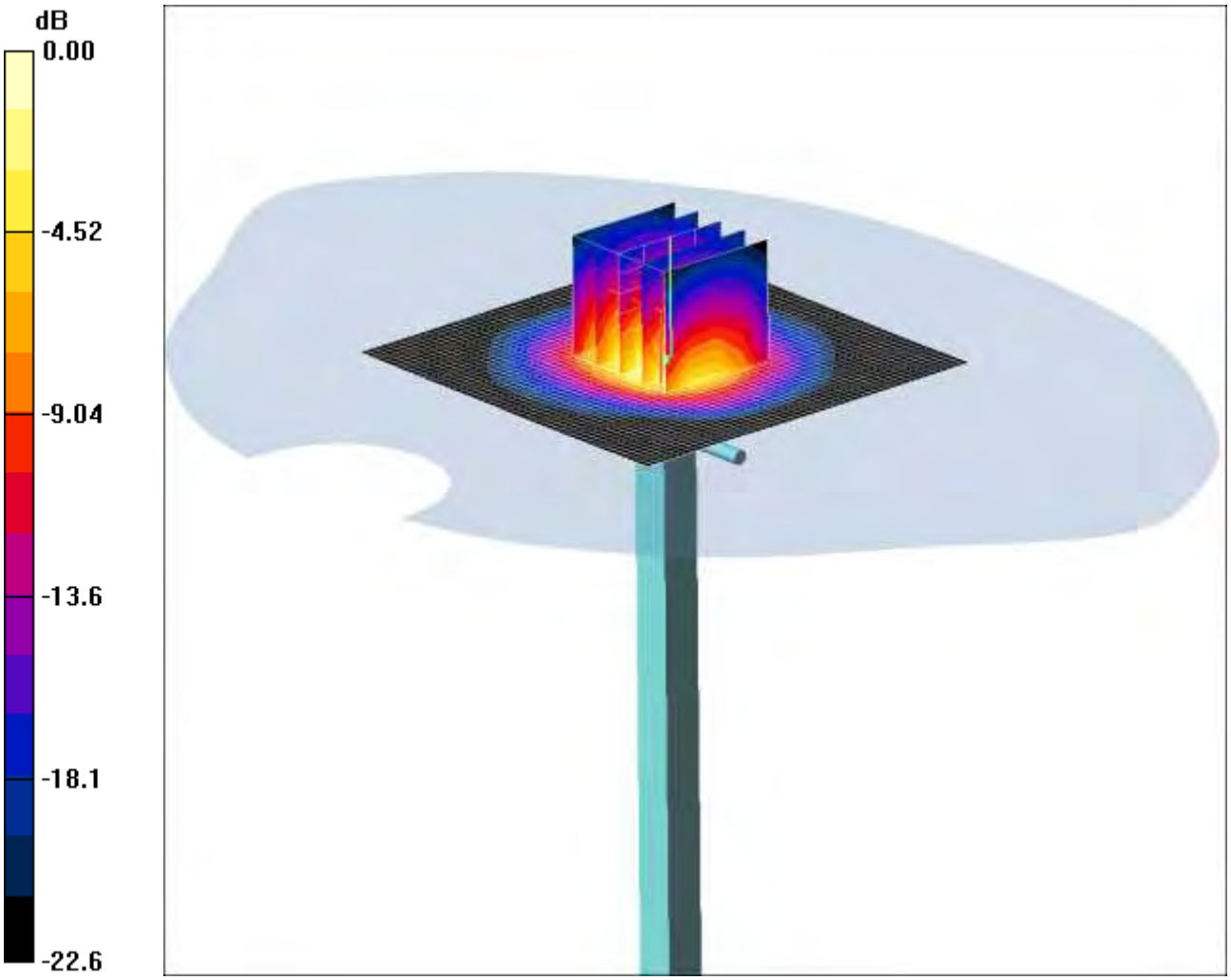
SCN/88281JD02/286: System Performance Check 2450MHz Body 27 06 12
Date: 27/06/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



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; σ = 2.03 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145
d=10mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 18.1 mW/g
d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.8 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 28.5 W/kg
SAR(1 g) = 13.2 mW/g; SAR(10 g) = 6.2 mW/g
Maximum value of SAR (measured) = 14.3 mW/g

SCN/88281JD02/287: System Performance Check 2450MHz Body 28 06 12
Date: 28/06/2012
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725

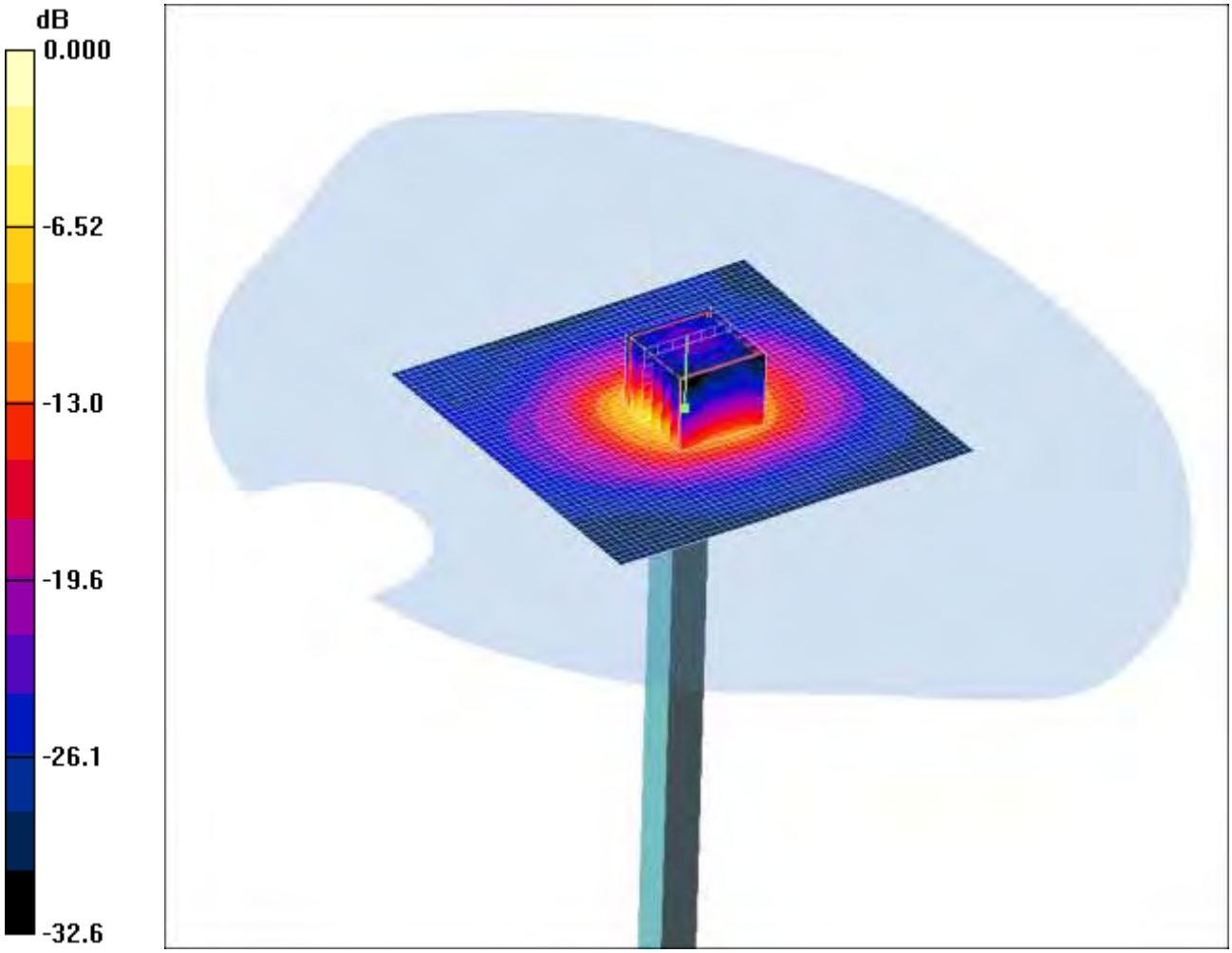


0 dB = 14.2mW/g

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used: f = 2450 MHz; σ = 2.03 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1587; ConvF(4.13, 4.13, 4.13); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

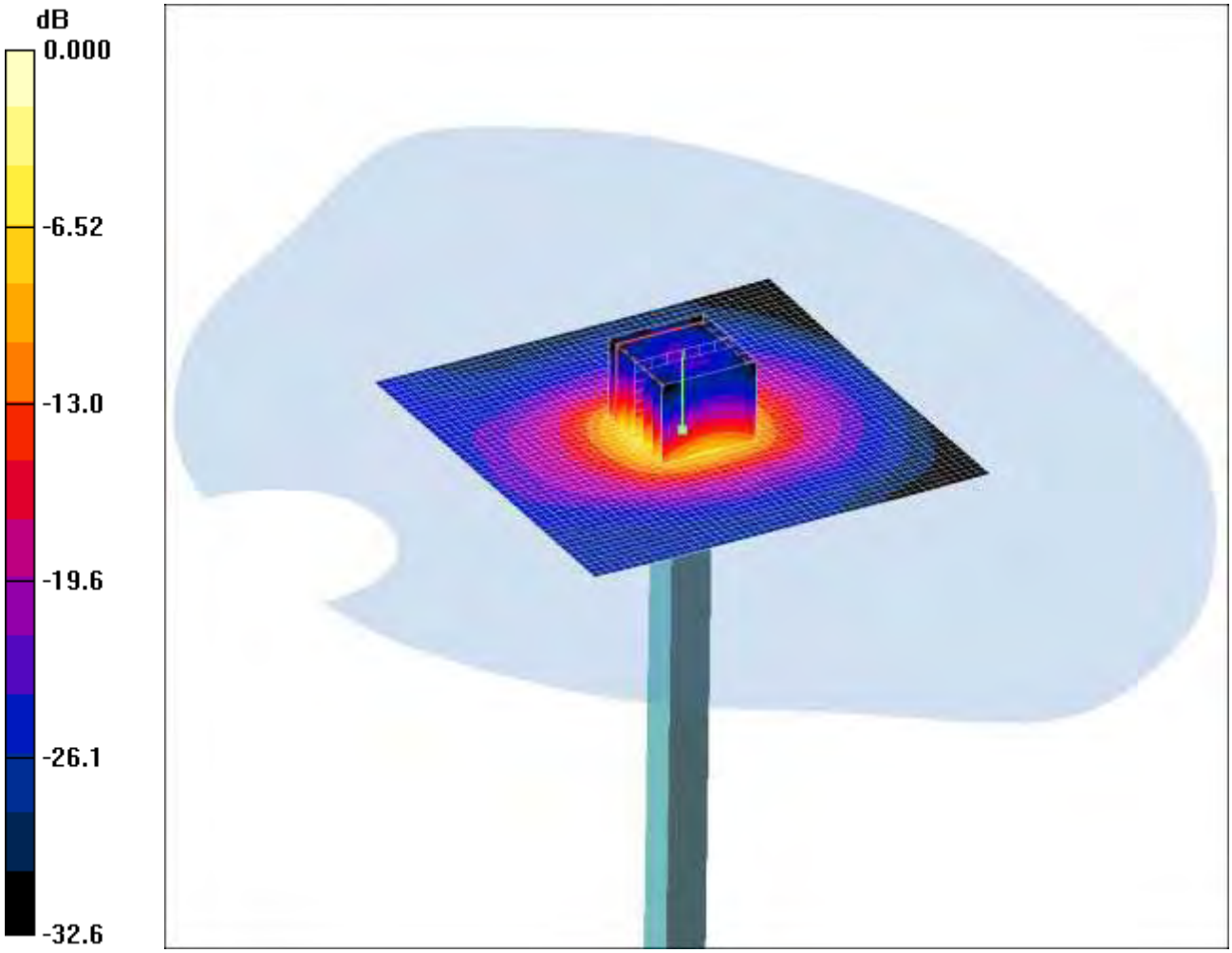
d=10mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 19.6 mW/g
d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 88.9 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 27.8 W/kg
SAR(1 g) = 12.9 mW/g; SAR(10 g) = 6 mW/g
Maximum value of SAR (measured) = 14.2 mW/g

SCN/88281JD02/288: System Performance Check 5200MHz Head 13 08 12
Date: 13/08/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 14.1mW/g
Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used: f = 5200 MHz; σ = 4.55 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.7mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=100 mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 7.61 mW/g
d=10mm, Pin=100 mW 2/Zoom Scan (7x7x9) 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 55.6 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 32.2 W/kg
SAR(1 g) = 8.19 mW/g; SAR(10 g) = 2.25 mW/g
Maximum value of SAR (measured) = 14.1 mW/g

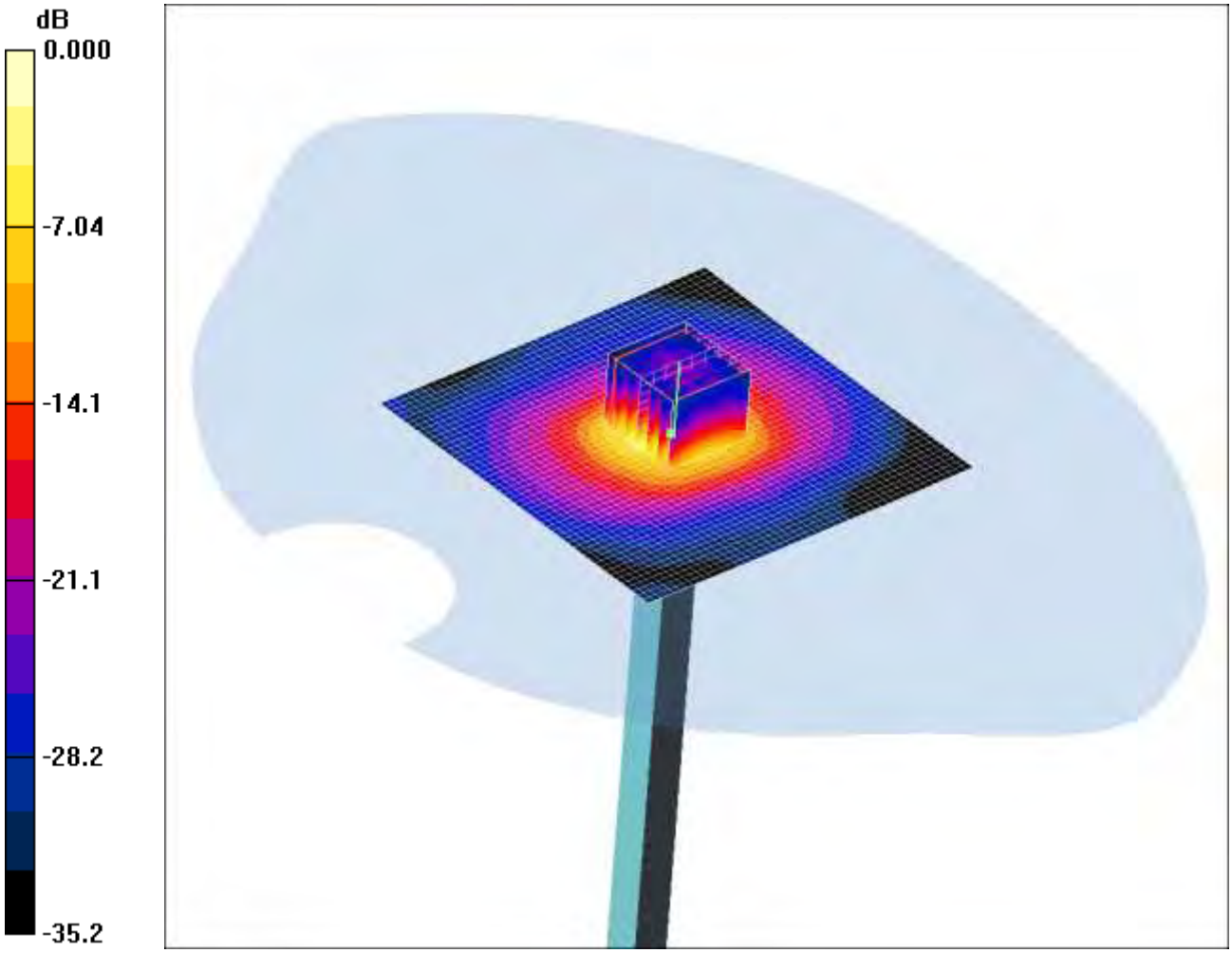
SCN/88281JD02/289: System Performance Check 5500MHz Head 13 08 12
Date: 13/08/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 14.6mW/g

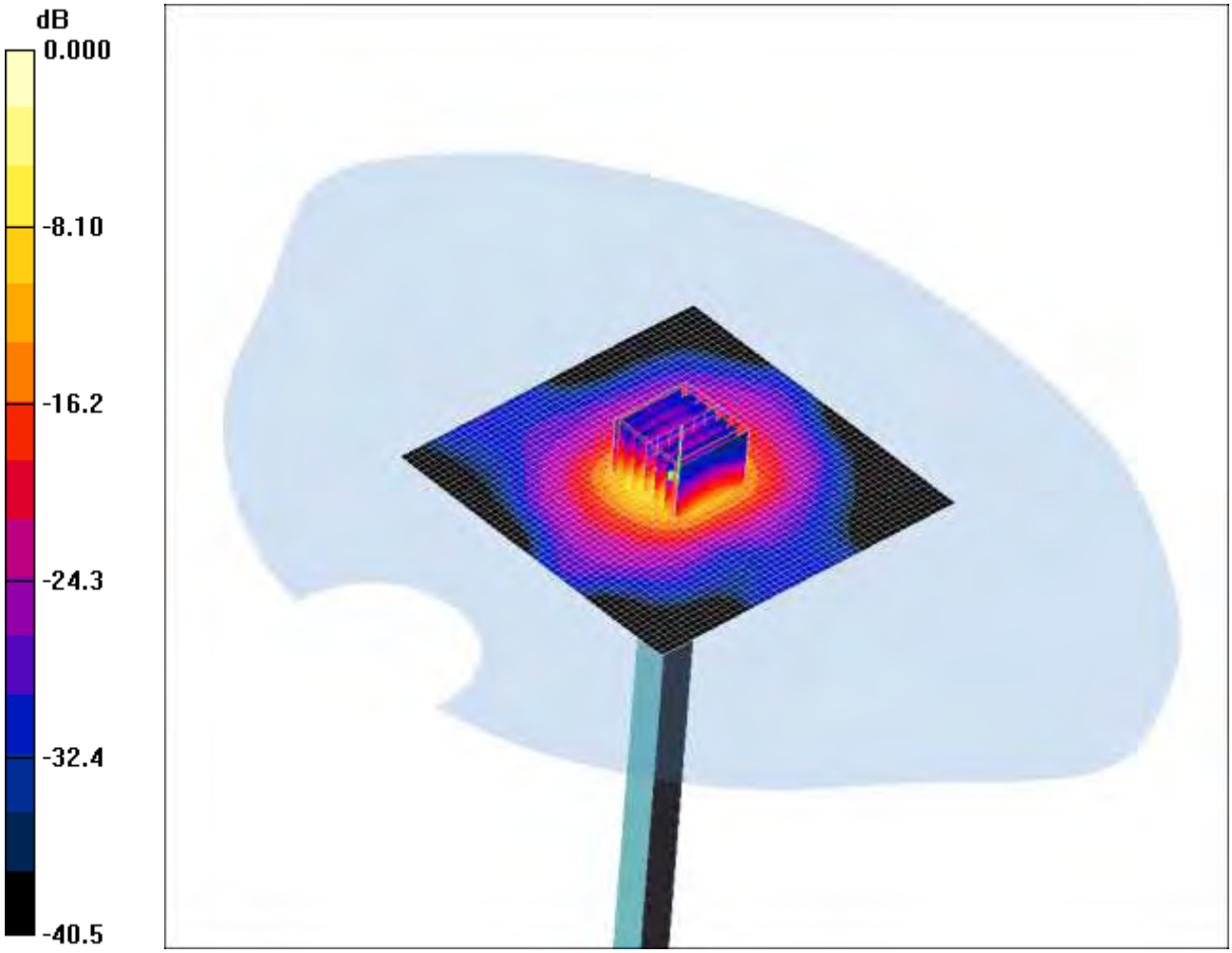
Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used: f = 5500 MHz; σ = 4.85 mho/m; ε_r = 36.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.67, 4.67, 4.67); Calibrated: 12/03/2012
- Sensor-Surface: 2.7mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=100 mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 8.57 mW/g
d=10mm, Pin=100 mW 2/Zoom Scan (7x7x9) 2 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 56.9 V/m; Power Drift = -0.143 dB
Peak SAR (extrapolated) = 35.1 W/kg
SAR(1 g) = 8.56 mW/g; SAR(10 g) = 2.39 mW/g
Maximum value of SAR (measured) = 14.6 mW/g

SCN/88281JD02/290: System Performance Check 5800MHz Head 13 08 12
Date: 13/08/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



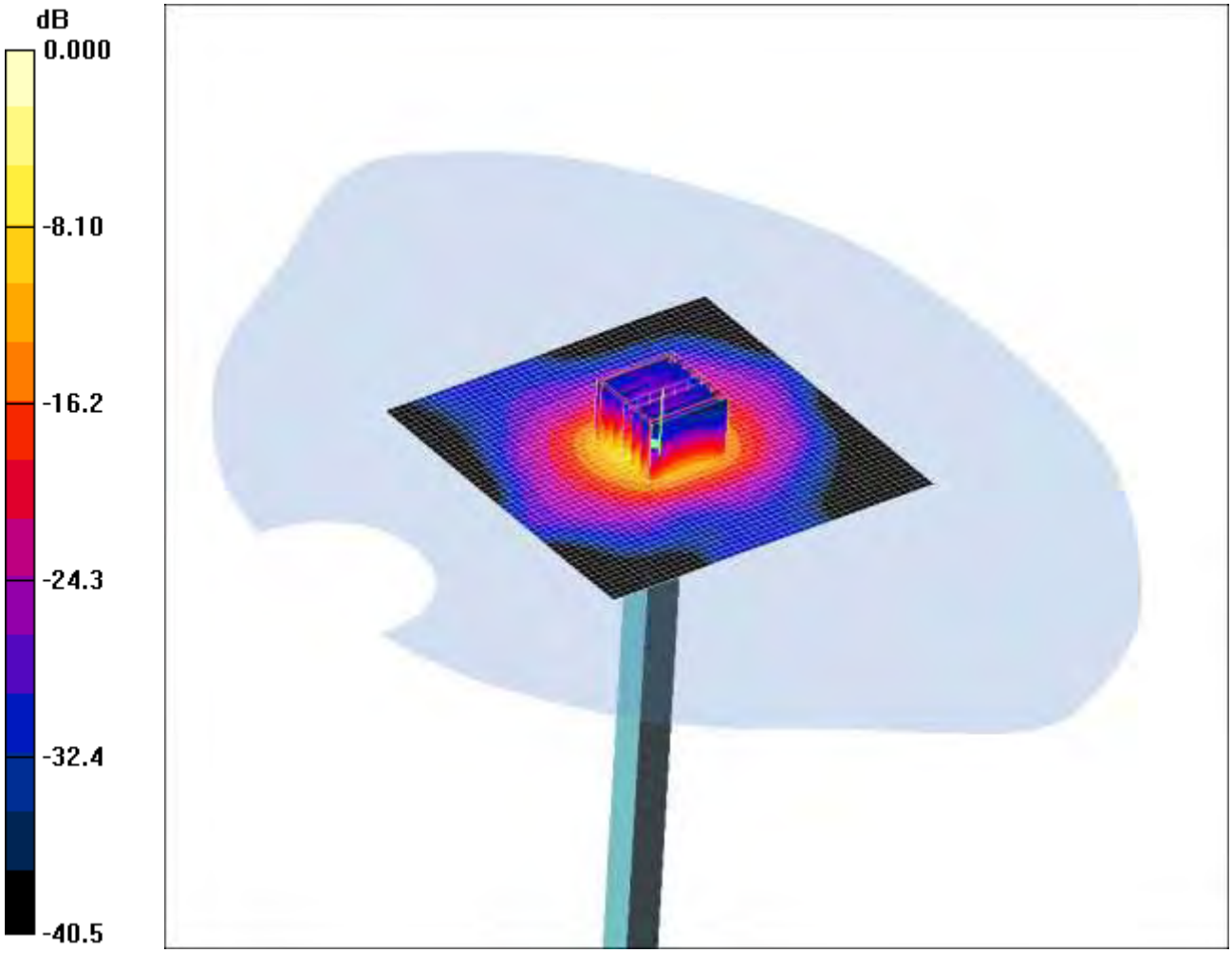
0 dB = 13.3mW/g
Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used: f = 5800 MHz; σ = 5.18 mho/m; ε_r = 35.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.48, 4.48, 4.48); Calibrated: 12/03/2012
- Sensor-Surface: 2.7mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=100 mW 2 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 6.90 mW/g
d=10mm, Pin=100 mW 2 2/Zoom Scan (7x7x9) 2 2 2 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 53.8 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 7.82 mW/g; SAR(10 g) = 2.2 mW/g
Maximum value of SAR (measured) = 13.3 mW/g

SCN/88281JD02/291: System Performance Check 5200MHz Body 27 07 12
Date 27/07/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 13.0mW/g
Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used: f = 5200 MHz; σ = 5.26 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(4.19, 4.19, 4.19); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=83.3 mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.76 mW/g
d=10mm, Pin=83.3 mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 38.4 V/m; Power Drift = 0.195 dB
Peak SAR (extrapolated) = 23.2 W/kg
SAR(1 g) = 6.23 mW/g; SAR(10 g) = 1.71 mW/g
Maximum value of SAR (measured) = 13.0 mW/g

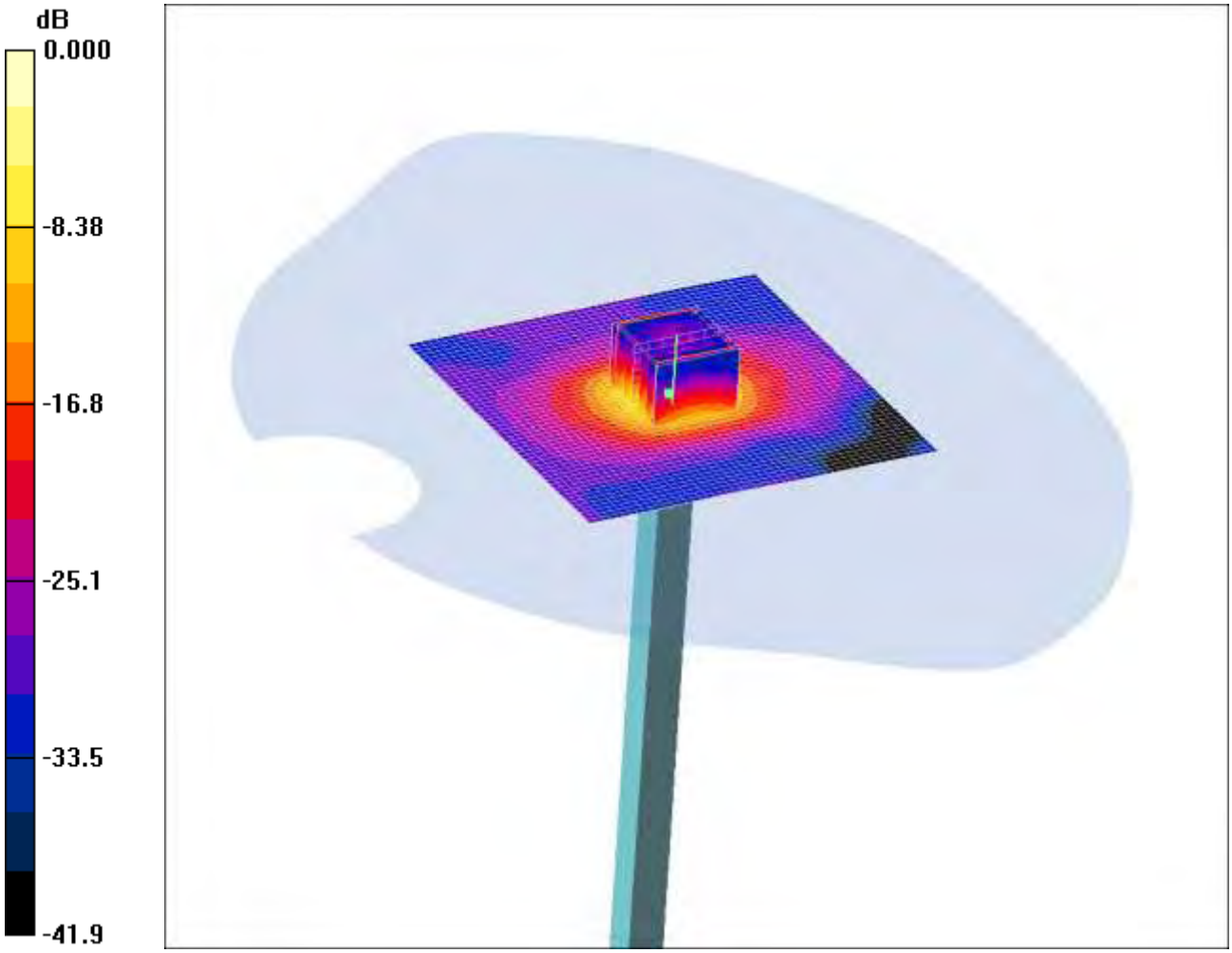
SCN/88281JD02/292: System Performance Check 5500MHz Body 27 07 12
Date 27/07/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 15.3mW/g

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used: f = 5500 MHz; σ = 5.73 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(3.86, 3.86, 3.86); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=90.9 mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 4.45 mW/g
d=10mm, Pin=90.9 mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 40.0 V/m; Power Drift = 0.195 dB
Peak SAR (extrapolated) = 27.5 W/kg
SAR(1 g) = 7.38 mW/g; SAR(10 g) = 2.02 mW/g
Maximum value of SAR (measured) = 15.3 mW/g

SCN/88281JD02/293: System Performance Check 5800MHz Body 27 07 12
Date 27/07/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016



0 dB = 16.6mW/g

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: 5800 MHz MSL Medium parameters used: f = 5800 MHz; σ = 6.23 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(3.94, 3.94, 3.94); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=111.1 mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 5.08 mW/g
d=10mm, Pin=111.1 mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 40.9 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 29.4 W/kg
SAR(1 g) = 7.65 mW/g; SAR(10 g) = 2.08 mW/g
Maximum value of SAR (measured) = 16.6 mW/g

Appendix 4. Photographs

This appendix contains the following photographs:

Photo Reference Number	Title
PHT/88281/001	Test configuration for the measurement of Specific Absorption Rate (SAR)
PHT/88281/002	Touch Left
PHT/88281/003	Tilt Left
PHT/88281/004	Touch Right
PHT/88281/005	Tilt Right
PHT/88281/006	Front of EUT Facing Phantom at 10mm separation
PHT/88281/007	Front of EUT Facing Phantom at 15mm separation
PHT/88281/008	Rear of EUT Facing Phantom at 10mm separation
PHT/88281/009	Rear of EUT Facing Phantom at 15mm separation
PHT/88281/010	Left Hand Side of EUT Facing Phantom
PHT/88281/011	Right Hand Side of EUT Facing Phantom
PHT/88281/012	Top of EUT Facing Phantom
PHT/88281/013	Bottom of EUT Facing Phantom
PHT/88281/014	General setup of EUT Facing Phantom with PHF
PHT/88281/015	Front view of EUT
PHT/88281/016	Rear view of EUT
PHT/88281/017	Left Hand Side of EUT
PHT/88281/018	Right Hand Side of EUT
PHT/88281/019	Top View of EUT
PHT/88281/020	Bottom View of EUT
PHT/88281/021	Internal View of EUT
PHT/88281/022	PHF View
PHT/88281/023	900 MHz Head Fluid Level
PHT/88281/024	900 MHz Body Fluid Level
PHT/88281/025	1900 MHz Head Fluid Level
PHT/88281/026	1900 MHz Body Fluid Level
PHT/88281/027	2450 MHz Head Fluid Level
PHT/88281/028	2450 MHz Body Fluid Level
PHT/88281/029	5.0 GHz Head Fluid Level
PHT/88281/030	5.0 GHz Body Fluid Level

Appendix 5. System Check

Prior to the assessment, the system was verified in the flat region of the phantom, 900 MHz, 1800 MHz, 1900 MHz, 2450MHz and 5000 MHz dipoles were used. A forward power of 250 mW was applied to the dipole and the system was verified to a tolerance of ±5% for the 835MHz, 900MHz, 1800MHz, 1900MHz, 2450MHz and 5000 MHz dipoles.

The applicable verification normalised to 1 Watt.

System Check 750 Head

Date: 11/07/2012
Validation Dipole and Serial Number: D750V3; SN: 1011

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	750	24.0ºC	23.0ºC	ε_r	41.96	41.97	0.02	5.00
				σ	0.89	0.87	-2.62	5.00
				1g SAR	8.48	8.60	1.42	5.00
				10g SAR	5.57	5.76	3.41	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
23780	Low	709	ε_r	42.30
			σ	0.84
23790	Middle	710	ε_r	42.30
			σ	0.84
23800	High	711	ε_r	42.20
			σ	0.84

Date: 12/07/2012
Validation Dipole and Serial Number: D750V3; SN: 1011

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	750	24.0ºC	23.0ºC	ε_r	41.96	41.97	0.02	5.00
				σ	0.89	0.87	-2.62	5.00
				1g SAR	8.48	8.52	0.47	5.00
				10g SAR	5.57	5.72	2.69	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
23780	Low	709	ε_r	42.30
			σ	0.84
23790	Middle	710	ε_r	42.30
			σ	0.84
23800	High	711	ε_r	42.20
			σ	0.84

System Check 750 Body

Date: 12/07/2012
Validation Dipole and Serial Number: D750V3; SN: 1011

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	750	23.0ºC	21.0ºC	ε_r	55.55	54.15	-2.53	5.00
				σ	0.96	0.94	-1.61	5.00
				1g SAR	8.84	8.64	-2.26	5.00
				10g SAR	5.84	5.80	-0.68	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
23780	Low	709	ε_r	54.40
			σ	0.92
23790	Middle	710	ε_r	54.40
			σ	0.92
23800	High	711	ε_r	54.30
			σ	0.92

Date: 13/07/2012
Validation Dipole and Serial Number: D750V3; SN: 1011

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	750	23.0ºC	21.0ºC	ε_r	55.55	54.15	-2.53	5.00
				σ	0.96	0.94	-1.61	5.00
				1g SAR	8.84	8.64	-2.26	5.00
				10g SAR	5.84	5.76	-1.37	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
23780	Low	709	ε_r	54.40
			σ	0.92
23790	Middle	710	ε_r	54.40
			σ	0.92
23800	High	711	ε_r	54.30
			σ	0.92

System Check 850/900 Head

Date: 18/06/2012
Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	900	24.0ºC	24.0ºC	ε_r	41.50	42.55	2.54	5.00
				σ	0.97	0.94	-2.98	5.00
				1g SAR	11.00	10.60	-3.64	5.00
				10g SAR	7.01	6.84	-2.43	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
128	Low	824.2	ε_r	43.00
			σ	0.89
190	Middle	836.6	ε_r	42.90
			σ	0.90
251	High	848.8	ε_r	42.80
			σ	0.91

Date: 19/06/2012
Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	900	24.0ºC	24.0ºC	ε_r	41.50	42.55	2.54	5.00
				σ	0.97	0.94	-2.98	5.00
				1g SAR	11.00	10.88	-1.09	5.00
				10g SAR	7.01	7.12	1.57	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
4132	Low	826.4	ε_r	43.00
			σ	0.89
4183	Middle	836.6	ε_r	42.90
			σ	0.90
4233	High	846.6	ε_r	42.80
			σ	0.91

System Check 850/900 Head (Continued):

Date: 11/07/2012
Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	900	24.0ºC	24.0ºC	ε_r	41.50	43.13	3.93	5.00
				σ	0.97	0.94	-3.20	5.00
				1g SAR	11.00	10.48	-4.73	5.00
				10g SAR	7.01	6.84	-2.43	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20450	Low	829.0	ε_r	43.40
			σ	0.89
20525	Middle	836.5	ε_r	43.40
			σ	0.90
20600	High	844.0	ε_r	43.30
			σ	0.90

System Check 850/900 Body

Date: 19/06/2012
Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0ºC	22.5ºC	ε_r	55.00	53.39	-2.92	5.00
				σ	1.05	1.04	-1.27	5.00
				1g SAR	11.10	10.80	-2.70	5.00
				10g SAR	7.14	7.00	-1.96	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
128	Low	824.2	ε_r	53.70
			σ	0.99
190	Middle	836.6	ε_r	53.70
			σ	1.00
251	High	848.8	ε_r	53.60
			σ	1.00

Date: 20/06/2012
Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0ºC	22.5ºC	ε_r	55.00	53.39	-2.92	5.00
				σ	1.05	1.04	-1.27	5.00
				1g SAR	11.10	11.32	1.98	5.00
				10g SAR	7.14	7.32	2.52	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
128	Low	824.2	ε_r	53.70
			σ	0.99
190	Middle	836.6	ε_r	53.70
			σ	1.00
251	High	848.8	ε_r	53.60
			σ	1.00

Channel Number	Channel Description	Frequency (MHz)	Parameters	
4132	Low	826.4	ε_r	53.70
			σ	0.99
4183	Middle	836.6	ε_r	53.70
			σ	1.00
4233	High	846.6	ε_r	53.60
			σ	1.00

System Check 850/900 Body (Continued):

Date: 12/07/2012
Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	24.0ºC	22.4ºC	ε_r	55.00	52.63	-4.31	5.00
				σ	1.05	1.01	-3.34	5.00
				1g SAR	11.10	10.84	-2.34	5.00
				10g SAR	7.14	7.08	-0.84	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20450	Low	2412	ε_r	52.90
			σ	0.97
20525	Middle	2437	ε_r	52.90
			σ	0.98
20600	High	2463	ε_r	52.90
			σ	0.98

System Check 1800 Head

Date: 21/06/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1800	24.0ºC	23.8ºC	ε_r	40.00	39.00	-2.50	5.00
				σ	1.40	1.35	-3.59	5.00
				1g SAR	38.80	39.12	0.82	5.00
				10g SAR	20.40	20.24	-0.78	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1312	Low	1712.4	ε_r	39.40
			σ	1.27
1412	Middle	1732.4	ε_r	39.30
			σ	1.28
1513	High	1752.6	ε_r	39.20
			σ	1.30

Date: 11/07/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1800	24.0ºC	21.0ºC	ε_r	40.00	38.86	-2.85	5.00
				σ	1.40	1.35	-3.32	5.00
				1g SAR	38.80	37.88	-2.37	5.00
				10g SAR	20.40	19.84	-2.75	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20050	Low	1720	ε_r	39.20
			σ	1.28
20175	Middle	1732.5	ε_r	39.20
			σ	1.29
20300	High	1745	ε_r	39.20
			σ	1.30

System Check 1800 Body

Date: 04/07/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1800	24.0ºC	23.5ºC	ε_r	53.30	53.82	0.98	5.00
				σ	1.52	1.49	-1.71	5.00
				1g SAR	38.80	40.40	4.12	5.00
				10g SAR	20.80	21.32	2.50	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1312	Low	1712.4	ε_r	54.00
			σ	1.42
1412	Middle	1732.4	ε_r	54.00
			σ	1.45
1513	High	1752.6	ε_r	54.00
			σ	1.48

Date: 05/07/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1800	24.0ºC	23.5ºC	ε_r	53.30	53.82	0.98	5.00
				σ	1.52	1.49	-1.71	5.00
				1g SAR	38.80	40.40	4.12	5.00
				10g SAR	20.80	21.72	4.42	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1312	Low	1712.4	ε_r	54.00
			σ	1.42
1412	Middle	1732.4	ε_r	54.00
			σ	1.45
1513	High	1752.6	ε_r	54.00
			σ	1.48

System Check 1800 Body (Continued):

Date: 06/07/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1800	24.0ºC	ºC	ε_r	53.30	53.68	0.71	5.00
				σ	1.52	1.53	0.49	5.00
				1g SAR	38.80	38.92	0.31	5.00
				10g SAR	20.80	20.84	0.19	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20050	Low	1720	ε_r	54.00
			σ	1.45
20175	Middle	1732.5	ε_r	53.90
			σ	1.46
20300	High	1745	ε_r	53.90
			σ	1.48

Date: 07/07/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1800	24.0ºC	ºC	ε_r	53.30	53.68	0.71	5.00
				σ	1.52	1.53	0.49	5.00
				1g SAR	38.80	40.40	4.12	5.00
				10g SAR	20.80	21.60	3.85	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20050	Low	1720	ε_r	54.00
			σ	1.45
20175	Middle	1732.5	ε_r	53.90
			σ	1.46
20300	High	1745	ε_r	53.90
			σ	1.48

System Check 1800 Body (Continued):

Date: 08/07/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1800	24.0ºC	22.3ºC	ε_r	53.30	53.08	-0.42	5.00
				σ	1.52	1.52	-0.03	5.00
				1g SAR	38.80	39.24	1.13	5.00
				10g SAR	20.80	21.00	0.96	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20050	Low	1720	ε_r	53.40
			σ	1.45
20175	Middle	1732.5	ε_r	53.30
			σ	1.46
20300	High	1745	ε_r	53.50
			σ	1.47

Date: 09/07/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1800	24.0ºC	22.3ºC	ε_r	53.30	53.08	-0.42	5.00
				σ	1.52	1.52	-0.03	5.00
				1g SAR	38.80	38.60	-0.52	5.00
				10g SAR	20.80	20.72	-0.38	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20050	Low	1720	ε_r	53.40
			σ	1.45
20175	Middle	1732.5	ε_r	53.30
			σ	1.46
20300	High	1745	ε_r	53.50
			σ	1.47

System Check 1800 Body (Continued):

Date: 10/07/2012
Validation Dipole and Serial Number: D1800V2; SN: 264

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1800	24.0ºC	23.3ºC	ε_r	53.30	52.69	-1.14	5.00
				σ	1.52	1.51	-0.45	5.00
				1g SAR	38.80	39.56	1.96	5.00
				10g SAR	20.80	21.24	2.12	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
20050	Low	1720	ε_r	53.40
			σ	1.45
20175	Middle	1732.5	ε_r	53.30
			σ	1.46
20300	High	1745	ε_r	53.30
			σ	1.47

System Check 1900 Head

Date: 20/06/2012
Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1900	24.0ºC	23.6ºC	ε_r	40.00	38.61	-3.49	5.00
				σ	1.40	1.44	3.10	5.00
				1g SAR	40.30	39.12	-2.93	5.00
				10g SAR	21.00	20.24	-3.62	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
512	Low	1850.2	ε_r	38.80
			σ	1.39
661	Middle	1880	ε_r	38.70
			σ	1.42
810	High	1909.8	ε_r	38.60
			σ	1.45

Date: 22/06/2012
Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1900	24.0ºC	23.1ºC	ε_r	40.00	38.81	-2.96	5.00
				σ	1.40	1.44	3.03	5.00
				1g SAR	40.30	39.92	-0.94	5.00
				10g SAR	21.00	20.60	-1.90	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
9262	Low	1852.4	ε_r	39.00
			σ	1.40
9400	Middle	1880	ε_r	38.90
			σ	1.42
9538	High	1907.6	ε_r	38.80
			σ	1.45

System Check 1900 Head (Continued):

Date: 29/06/2012
Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1900	24.0ºC	23.1ºC	ε_r	40.00	39.09	-2.27	5.00
				σ	1.40	1.42	1.62	5.00
				1g SAR	40.30	40.80	1.24	5.00
				10g SAR	21.00	21.32	1.52	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
9262	Low	1852.4	ε_r	39.2
			σ	1.38
9400	Middle	1880	ε_r	39.1
			σ	1.41
9538	High	1907.6	ε_r	39.1
			σ	1.43

Date: 03/07/2012
Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1900	24.0ºC	22.0ºC	ε_r	40.00	38.36	-4.10	5.00
				σ	1.40	1.44	2.50	5.00
				1g SAR	40.30	39.36	-2.33	5.00
				10g SAR	21.00	20.08	-4.38	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
18700	Low	1860	ε_r	38.50
			σ	1.40
18900	Middle	1880	ε_r	38.40
			σ	1.42
19100	High	1900	ε_r	38.40
			σ	1.44

System Check 1900 Head (Continued):

Date: 04/07/2012
Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1900	24.0ºC	22.0ºC	ε_r	40.00	38.36	-4.10	5.00
				σ	1.40	1.44	2.50	5.00
				1g SAR	40.30	41.60	3.23	5.00
				10g SAR	21.00	21.28	1.33	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
18700	Low	1860	ε_r	38.50
			σ	1.40
18900	Middle	1880	ε_r	38.40
			σ	1.42
19100	High	1900	ε_r	38.40
			σ	1.44

Date: 06/07/2012
Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1900	24.0ºC	22.0ºC	ε_r	40.00	38.52	-3.71	5.00
				σ	1.40	1.44	3.20	5.00
				1g SAR	40.30	40.00	-0.74	5.00
				10g SAR	21.00	20.56	-2.10	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
18700	Low	1860	ε_r	38.70
			σ	1.41
18900	Middle	1880	ε_r	38.60
			σ	1.43
19100	High	1900	ε_r	38.50
			σ	1.45

System Check 1900 Body

Date: 21/06/2012
Validation Dipole and Serial Number:

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	24.0ºC	23.6ºC	ε_r	53.30	51.50	-3.38	5.00
				σ	1.52	1.55	2.23	5.00
				1g SAR	40.70	42.00	3.19	5.00
				10g SAR	21.60	21.68	0.37	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
512	Low	1850.2	ε_r	51.60
			σ	1.50
661	Middle	1880	ε_r	51.50
			σ	1.53
810	High	1909.8	ε_r	51.50
			σ	1.56

Date: 22/06/2012
Validation Dipole and Serial Number:

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	24.0ºC	23.6ºC	ε_r	53.30	51.50	-3.38	5.00
				σ	1.52	1.55	2.23	5.00
				1g SAR	40.70	42.40	4.18	5.00
				10g SAR	21.60	21.96	1.67	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
9262	Low	1852.4	ε_r	51.60
			σ	1.50
9400	Middle	1880	ε_r	51.50
			σ	1.53
9538	High	1907.6	ε_r	51.50
			σ	1.56

System Check 1900 Body (Continued):

Date: 05/07/2012
Validation Dipole and Serial Number:

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	23.0ºC	21.6ºC	ε_r	53.30	51.72	-2.96	5.00
				σ	1.52	1.53	0.89	5.00
				1g SAR	40.70	39.20	-3.69	5.00
				10g SAR	21.60	20.96	-2.96	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
18700	Low	1860	ε_r	51.80
			σ	1.50
18900	Middle	1880	ε_r	51.80
			σ	1.52
19100	High	1900	ε_r	51.70
			σ	1.54

Date: 07/07/2012
Validation Dipole and Serial Number:

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	24.0ºC	22.7ºC	ε_r	53.30	51.87	-2.68	5.00
				σ	1.52	1.52	-0.17	5.00
				1g SAR	40.70	38.88	-4.47	5.00
				10g SAR	21.60	21.00	-2.78	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
18700	Low	1860	ε_r	52.00
			σ	1.49
18900	Middle	1880	ε_r	51.90
			σ	1.50
19100	High	1900	ε_r	51.90
			σ	1.52

System Check 1900 Body (Continued):

Date: 08/07/2012
Validation Dipole and Serial Number:

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	24.0ºC	22.7ºC	ε_r	53.30	51.87	-2.68	-2.68
				σ	1.52	1.52	-0.17	-0.17
				1g SAR	40.70	39.68	-2.51	5.00
				10g SAR	21.60	21.36	-1.11	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
18700	Low	1860	ε_r	52.00
			σ	1.49
18900	Middle	1880	ε_r	51.90
			σ	1.50
19100	High	1900	ε_r	51.90
			σ	1.52

Date: 09/07/2012
Validation Dipole and Serial Number:

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	24.0ºC	22.7ºC	ε_r	53.30	52.20	-2.06	5.00
				σ	1.52	1.52	0.20	5.00
				1g SAR	40.70	41.60	2.21	5.00
				10g SAR	21.60	22.40	3.70	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
18700	Low	1860	ε_r	52.30
			σ	1.49
18900	Middle	1880	ε_r	52.20
			σ	1.53
19100	High	1900	ε_r	52.20
			σ	1.53

System Check 1900 Body (Continued):

Date: 10/07/2012
Validation Dipole and Serial Number:

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	24.0ºC	22.7ºC	ε_r	53.30	52.20	-2.06	5.00
				σ	1.52	1.52	0.20	5.00
				1g SAR	40.70	40.00	-1.72	5.00
				10g SAR	21.60	21.64	0.19	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
18700	Low	1860	ε_r	52.30
			σ	1.49
18900	Middle	1880	ε_r	52.20
			σ	1.53
19100	High	1900	ε_r	52.20
			σ	1.53

System Check 2450 Head

Date: 26/06/2012
Validation Dipole and Serial Number: D2450V2; SN: 725

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	2450	24.0 ºC	23.1ºC	ε_r	39.20	38.18	-2.60	5.00
				σ	1.80	1.80	0.22	5.00
				1g SAR	52.90	54.40	2.84	5.00
				10g SAR	24.70	25.72	4.13	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1	Low	2412	ε_r	38.30
			σ	1.77
6	Middle	2437	ε_r	38.20
			σ	1.79
11	High	2463	ε_r	38.10
			σ	1.82

System Check 2450 Body

Date: 27/06/2012
Validation Dipole and Serial Number: D2450V2; SN: 725

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	2450	23.0 ºC	22.2 ºC	ε_r	52.70	51.40	-2.47	5.00
				σ	1.95	2.02	3.73	5.00
				1g SAR	51.90	52.80	1.73	5.00
				10g SAR	24.10	24.80	2.90	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1	Low	2412	ε_r	51.50
			σ	1.99
6	Middle	2437	ε_r	51.40
			σ	2.01
11	High	2463	ε_r	51.40
			σ	2.04

Date: 28/06/2012
Validation Dipole and Serial Number: D2450V2; SN: 725

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	2450	23.0 ºC	22.2 ºC	ε_r	52.70	51.40	-2.47	5.00
				σ	1.95	2.02	3.73	5.00
				1g SAR	51.90	51.60	-0.58	5.00
				10g SAR	24.10	24.00	-0.41	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1	Low	2412	ε_r	51.50
			σ	1.99
6	Middle	2437	ε_r	51.40
			σ	2.01
11	High	2463	ε_r	51.40
			σ	2.04

System Check 5GHz Head

Date: 13/08/2012
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5200	24.0 ºC	24.0 ºC	ε_r	36.00	36.50	1.39	5.00
				σ	4.66	4.54	-2.51	5.00
				1g SAR	78.60	81.90	4.20	5.00
				10g SAR	22.50	22.50	0.00	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
36	-	5180	ε_r	36.50
			σ	4.53
38	-	5190	ε_r	36.50
			σ	4.54
52	-	5260	ε_r	36.40
			σ	4.61
54	-	5270	ε_r	36.40
			σ	4.62

Date: 13/08/2012
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5500	24.0 ºC	24.0 ºC	ε_r	35.99	36.07	0.21	5.00
				σ	4.96	4.84	-2.34	5.00
				1g SAR	84.50	85.60	1.30	5.00
				10g SAR	24.20	23.90	-1.24	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
104	-	5670	ε_r	36.00
			σ	4.87
116	-	5680	ε_r	36.00
			σ	4.94
124	-	5670	ε_r	35.90
			σ	4.98
134	-	5670	ε_r	35.80
			σ	5.04
136	-	5680	ε_r	35.80
			σ	5.05

System Check 5GHz Head (Continued):

Date: 13/08/2012
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	5800	24.0 ºC	24.0 ºC	ε_r	35.30	35.66	1.02	5.00
				σ	5.27	5.17	-1.83	5.00
				1g SAR	78.10	78.20	0.13	5.00
				10g SAR	22.30	22.00	-1.35	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
159	-	5795	ε_r	35.7
			σ	5.17
165	-	5825	ε_r	35.6
			σ	5.21

System Check 5GHz Body

Date: 27/07/2012
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	5200	24.0 ºC	24.0 ºC	ε_r	49.00	48.44	-1.14	5.00
				σ	5.30	5.35	-0.97	5.00
				1g SAR	76.70	74.76	-2.53	5.00
				10g SAR	21.20	20.52	-3.21	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
36	-	5180	ε_r	48.5
			σ	5.22
38	-	5190	ε_r	58.5
			σ	5.25
52	-	5260	ε_r	48.3
			σ	5.35
54	-	5270	ε_r	48.2
			σ	5.36

Date: 27/07/2012
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	5500	24.0 ºC	24.0 ºC	ε_r	48.60	47.64	-1.97	5.00
				σ	5.65	5.72	1.28	5.00
				1g SAR	82.80	81.18	-1.96	5.00
				10g SAR	22.80	22.22	-2.54	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
134	-	5670	ε_r	47.2
			σ	6.01
136	-	5680	ε_r	47.2
			σ	6.03

System Check 5GHz Body (Continued):

Date: 27/07/2012
Validation Dipole and Serial Number: D5GHzV2; SN: 1016

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	5800	24.0 ºC	24.0 ºC	ε_r	48.20	46.85	-2.80	5.00
				σ	6.00	6.22	3.61	5.00
				1g SAR	71.70	68.85	-3.97	5.00
				10g SAR	19.70	18.72	-4.97	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
159	-	5795	ε_r	46.9
			σ	6.22
165	-	5825	ε_r	46.8
			σ	6.26

Appendix 6. Simulated Tissues

The body mixture consists of water, Polysorbate and salt. Visual inspection is made to ensure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the tissue.

ingredient	Frequency
	835/850/900 MHz Head
De-Ionized Water	52.87
Polysorbate 20 (Tween 20)	46.10
Salt	1.03

Ingredient	Frequency
	835/850/900 MHz Body
De-Ionized Water	71.30
Polysorbate 20 (Tween 20)	28.00
Salt	0.70

Ingredient	Frequency
	1800/1900 MHz Head
De-Ionized Water	55.40
Polysorbate 20 (Tween 20)	44.22
Salt	0.38

Ingredient	Frequency
	1800/1900 MHz Body
De-Ionized Water	71.50
Polysorbate 20 (Tween 20)	28.00
Salt	0.50

Simulated Tissues (Continued)

Ingredient	Frequency
	2450 MHz Head
De-Ionized Water	55.75
Polysorbate 20 (Tween 20)	45.25

Ingredient	Frequency
	2450 MHz Body
De-Ionized Water	71.70
Polysorbate 20 (Tween 20)	28.00
Salt	0.30

Ingredient	Frequency
	5000 MHz Head
De-Ionized Water	62.70
Polysorbate 80 (Tween 80)	32.70

Ingredient	Frequency
	5000 MHz Body
De-Ionized Water	80.00
Polysorbate 80 (Tween 80)	20.00

Appendix 7. DASY4 System Details

A.7.1. DASY4 SAR Measurement System

RFI Global Services Ltd, SAR measurement facility utilises the Dosimetric Assessment System (DASY™) manufactured by Schmid & Partner Engineering AG (SPEAG™) of Zurich, Switzerland. The DASY4 system is coPower Back offised of the robot controller, computer, near-field probe, probe alignment sensor, and the SAM phantom containing brain or muscle equivalent material. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF). A cell controller system contains the power supply, robot controller; teach pendant (Joystick), and remote control. This is used to drive the robot motors. The Staubli robot is connected to the cell controller to allow software manipulation of the robot. The data acquisition electronics (DAE) performs signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection etc. The DAE is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card. The DAE3 utilises a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching mulitplexer, a fast 16-bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe-mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer.

A.7.2. DASY4 SAR System Specifications

Robot System	
Positioner:	Stäubli Unimation Corp. Robot Model: RX90L
Repeatability:	0.025 mm
No. of Axis:	6
Serial Number:	F00/SD89A1/A/01
Reach:	1185 mm
Payload:	3.5 kg
Control Unit:	CS7
Programming Language:	V+
Robot System	
Positioner:	Stäubli Unimation Corp. Robot Model: RX90L
Repeatability:	0.025 mm
No. of Axis:	6
Serial Number:	F01/5J86A1/A/01
Reach:	1185 mm
Payload:	3.5 kg
Control Unit:	CS7
Programming Language:	V+
Data Acquisition Electronic (DAE) System	
Serial Number:	DAE3 SN:394
Serial Number:	DAE3 SN:432
PC Controller	
PC:	Dell Precision 340
Operating System:	Windows 2000
Data Card:	DASY4 Measurement Server
Serial Number:	1080
Data Converter	
Features:	Signal Amplifier, multiplexer, A/D converted and control logic.
Software:	DASY4 Software
Connecting Lines:	Optical downlink for data and status info. Optical uplink for commands and clock.
PC Interface Card	
Function:	24 bit (64 MHz) DSP for real time processing Link to DAE3 16 nit A/D converter for surface detection system serial link to robot direct emergency stop output for robot.

DASY4 SAR System Specifications (Continued)	
E-Field Probe	
Model:	EX3DV4
Serial No:	3814
Construction:	Triangular core
Frequency:	10 MHz to >6 GHz
Linearity:	±0.2 dB (30 MHz to 6 GHz)
Probe Length (mm):	330
Probe Diameter (mm):	12
Tip Length (mm):	20
Tip Diameter (mm):	2.5
Sensor X Offset (mm):	1
Sensor Y Offset (mm):	1
Sensor Z Offset (mm):	1
E-Field Probe	
Model:	ET3DV6
Serial No:	1587
Construction:	Triangular core
Frequency:	10 MHz to 2.55GHz
Linearity:	±0.2 dB (30 MHz to 2.55GHz)
Probe Length (mm):	337
Probe Diameter (mm):	10
Tip Length (mm):	10
Tip Diameter (mm):	6.8
Sensor X Offset (mm):	2.7
Sensor Y Offset (mm):	2.7
Sensor Z Offset (mm):	2.7
Phantom	
Phantom:	SAM Phantom
Shell Material:	Fibreglass
Thickness:	2.0 ±0.1 mm