

Test Laboratory: Intertek
File Name: [dipole.da52:2](#)

dipole

Procedure Notes:

DUT: Dipole 2450 MHz D2450V2; Serial: D2450V2 - SN:xxx

Communication System: UID 0, Dipole 2450MHz; Communication System Band: 2.4GHz; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 2.02 \text{ S/m}$; $\epsilon_r = 50.71$; $\rho = 1000 \text{ kg/m}^3$

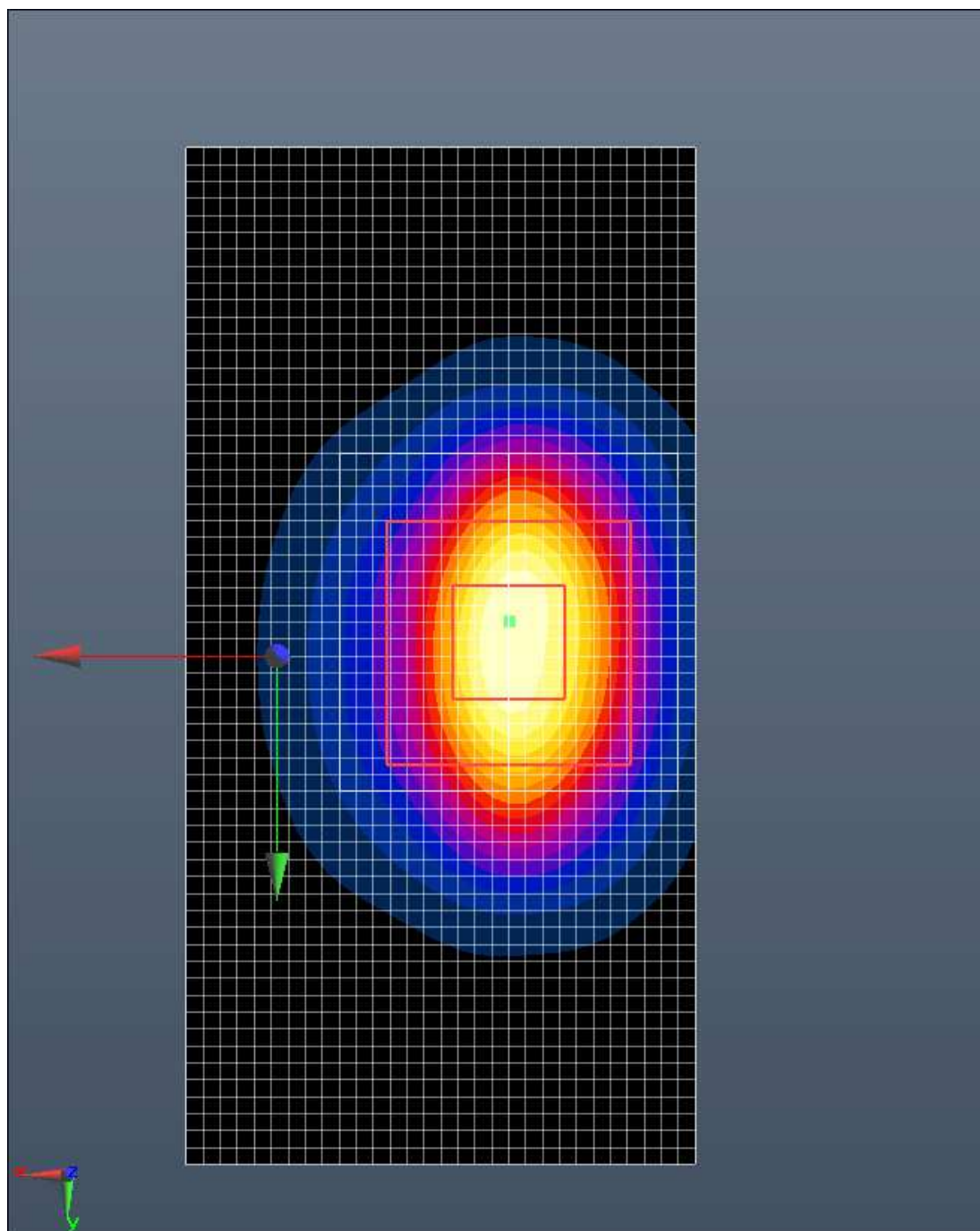
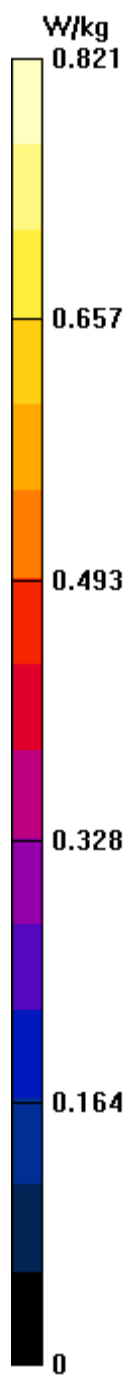
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(8.19, 8.19, 8.19); Calibrated: 12/16/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/16/2015
- Phantom: SAM 1 with CRP v5.0; Type: QD000P40CD; Serial: TP: 1243
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe)/Area Scan (31x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.821 W/kg

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 19.254 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 112 W/kg
SAR(1 g) = 53.1 W/kg; SAR(10 g) = 24.2 W/kg
Normalized to target power = 1 W and actual power = 0.01 W
Maximum value of SAR (measured) = 81.3 W/kg



Test Laboratory: Intertek
File Name: [dipole cell band.da52:2](#)

dipole cell band

Procedure Notes:

DUT: Dipole 835 MHz D835V2; Serial: D835V2 - SN:4d122

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 1.008 \text{ S/m}$; $\epsilon_r = 52.614$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(10.64, 10.64, 10.64); Calibrated: 12/16/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/16/2015
- Phantom: SAM 2 with CRP v5.0; Type: QD000P40CD; Serial: TP:1663
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe)/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.127 W/kg

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

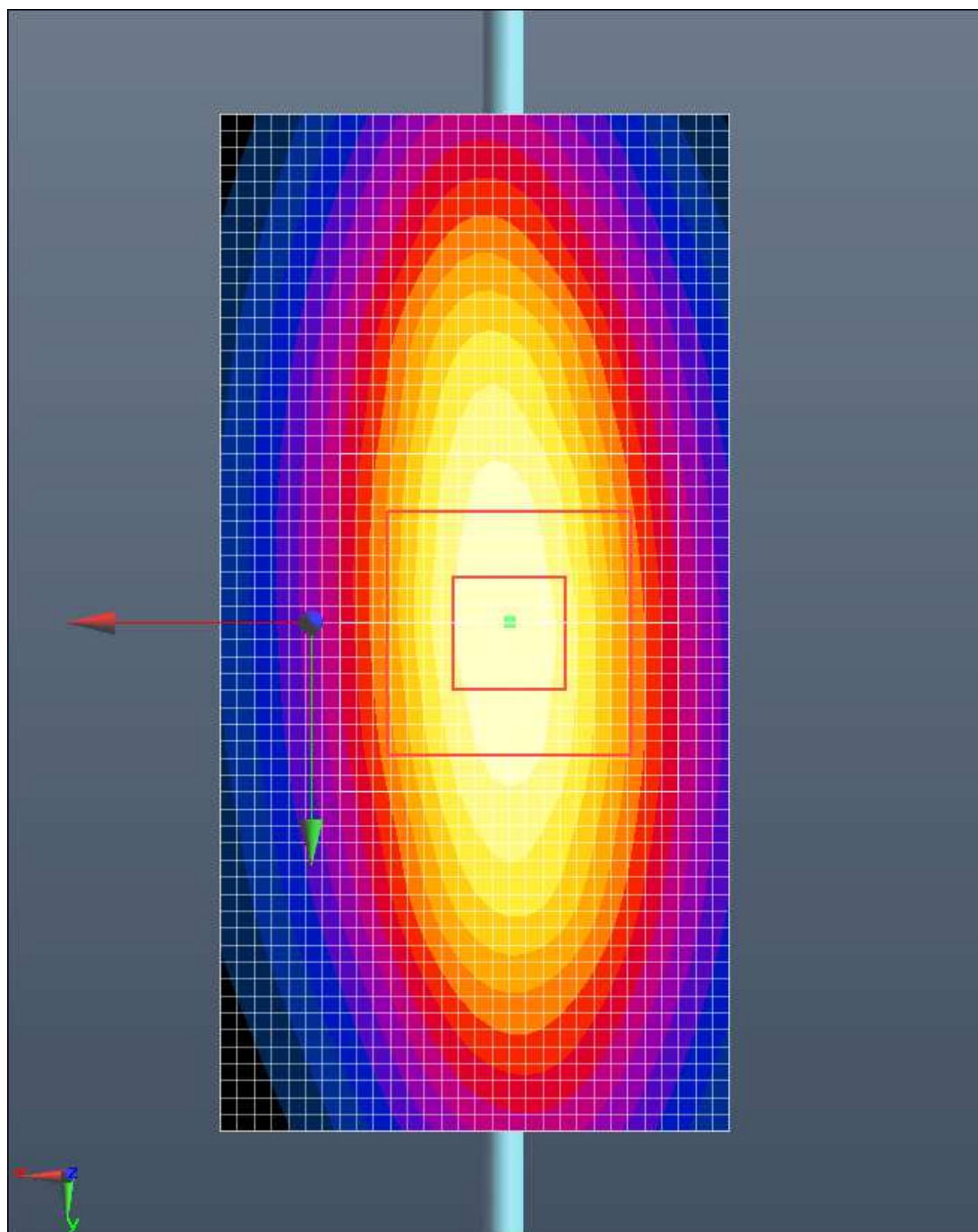
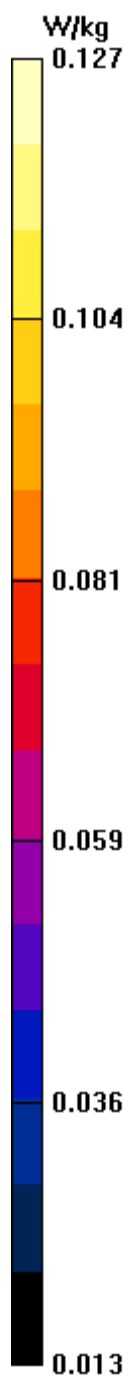
Reference Value = 11.445 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 14.8 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 6.68 W/kg

Normalized to target power = 1 W and actual power = 0.01 W

Maximum value of SAR (measured) = 12.7 W/kg



Test Laboratory: Intertek
File Name: [dipole pcs band.da52:2](#)

dipole pcs band

Procedure Notes:

DUT: Dipole 1900 MHz D1900V2; Serial: D1900V2 - SN:xxx

Communication System: UID 0, Generic CDMA (0); Communication System Band: CDMA PCS Band;
Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 53.28$; $\rho = 1000$ kg/m³

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(8.62, 8.62, 8.62); Calibrated: 12/16/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/16/2015
- Phantom: SAM 2 with CRP v5.0; Type: QD000P40CD; Serial: TP:1663
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe)/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.588 W/kg

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

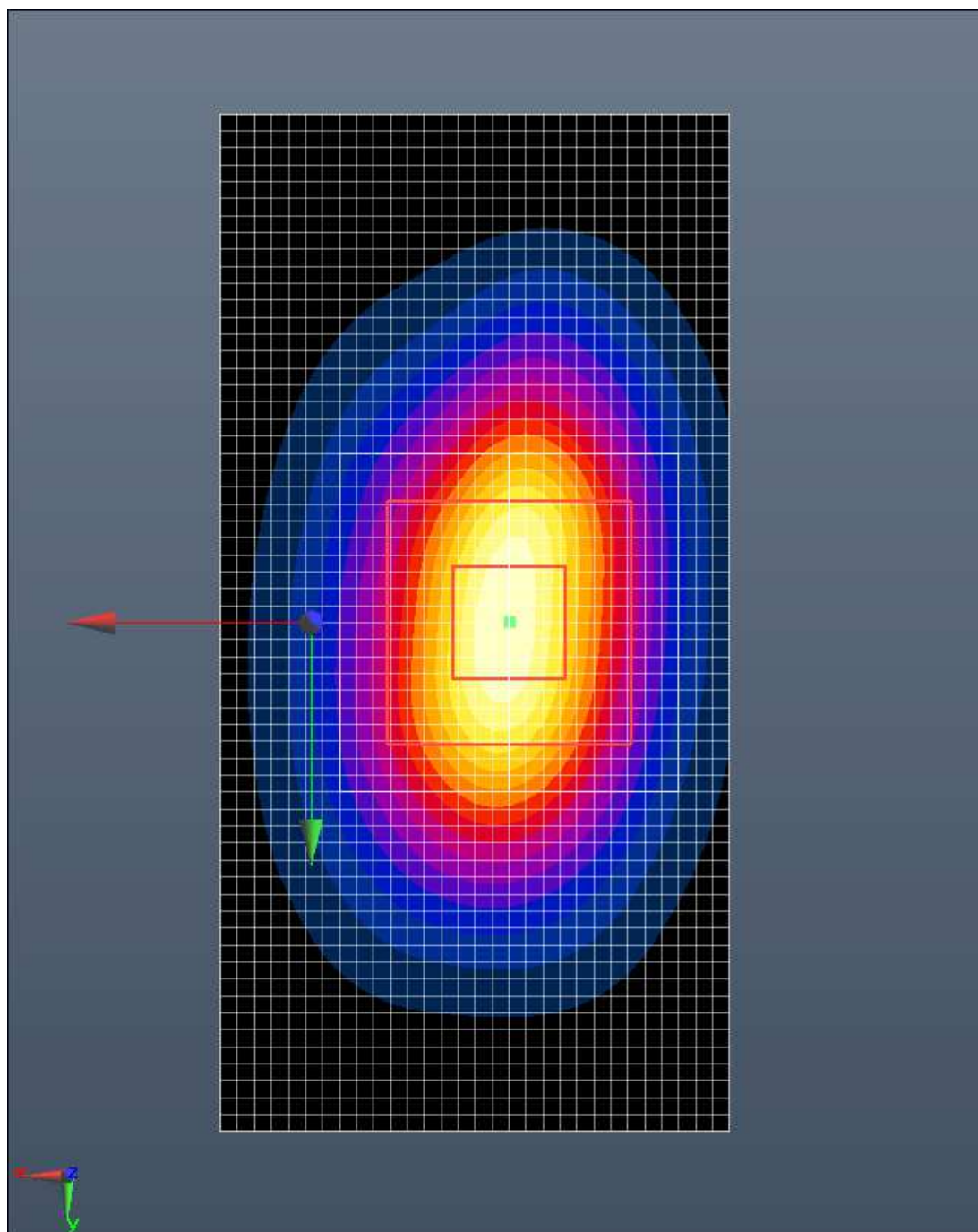
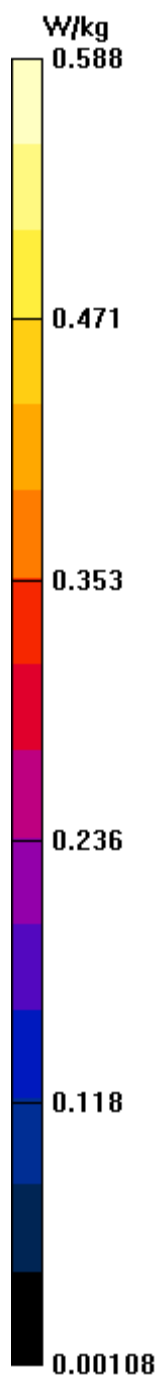
Reference Value = 20.018 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 75.8 W/kg

SAR(1 g) = 41.4 W/kg; SAR(10 g) = 21.4 W/kg

Normalized to target power = 1 W and actual power = 0.01 W

Maximum value of SAR (measured) = 59.7 W/kg



Test Laboratory: Intertek
File Name: [dipole pcs band.da52:2](#)

dipole pcs band

Procedure Notes:

DUT: Dipole 1900 MHz D1900V2; Serial: D1900V2 - SN:xxx

Communication System: UID 0, Generic CDMA (0); Communication System Band: CDMA PCS Band;
Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 53.28$; $\rho = 1000$ kg/m³

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(8.62, 8.62, 8.62); Calibrated: 12/16/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/16/2015
- Phantom: SAM 2 with CRP v5.0; Type: QD000P40CD; Serial: TP:1663
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe) 2/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.582 W/kg

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe) 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

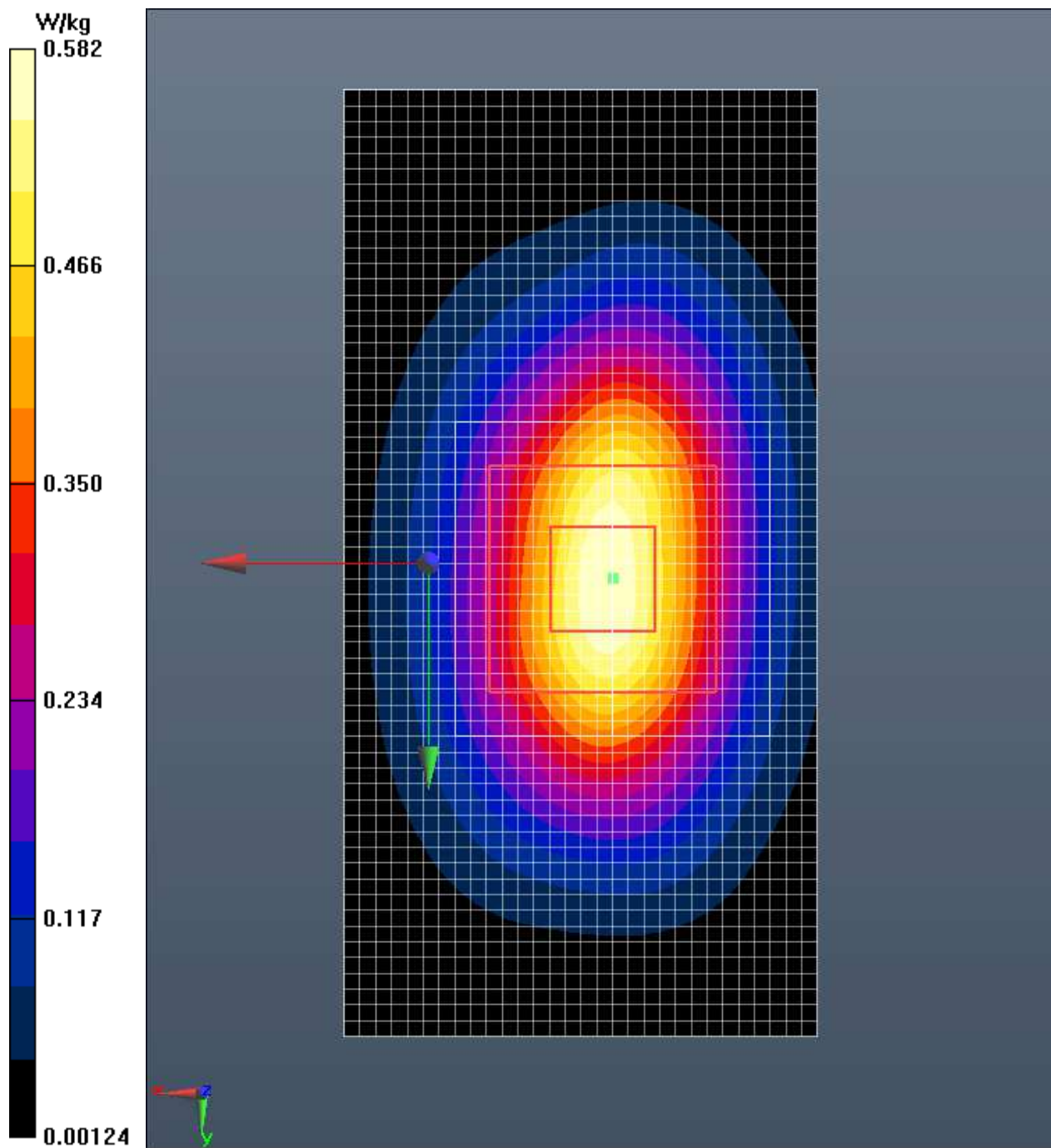
Reference Value = 19.957 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 74.8 W/kg

SAR(1 g) = 41 W/kg; SAR(10 g) = 21.2 W/kg

Normalized to target power = 1 W and actual power = 0.01 W

Maximum value of SAR (measured) = 58.7 W/kg



Test Laboratory: Intertek
File Name: [dipole pcs band.da52:2](#)

dipole pcs band

Procedure Notes:

DUT: Dipole 1900 MHz D1900V2; Serial: D1900V2 - SN:xxx

Communication System: UID 0, Generic CDMA (0); Communication System Band: CDMA PCS Band;
Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 53.28$; $\rho = 1000$ kg/m³

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(8.62, 8.62, 8.62); Calibrated: 12/16/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/16/2015
- Phantom: SAM 2 with CRP v5.0; Type: QD000P40CD; Serial: TP:1663
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe) 2 2/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.589 W/kg

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe) 2 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

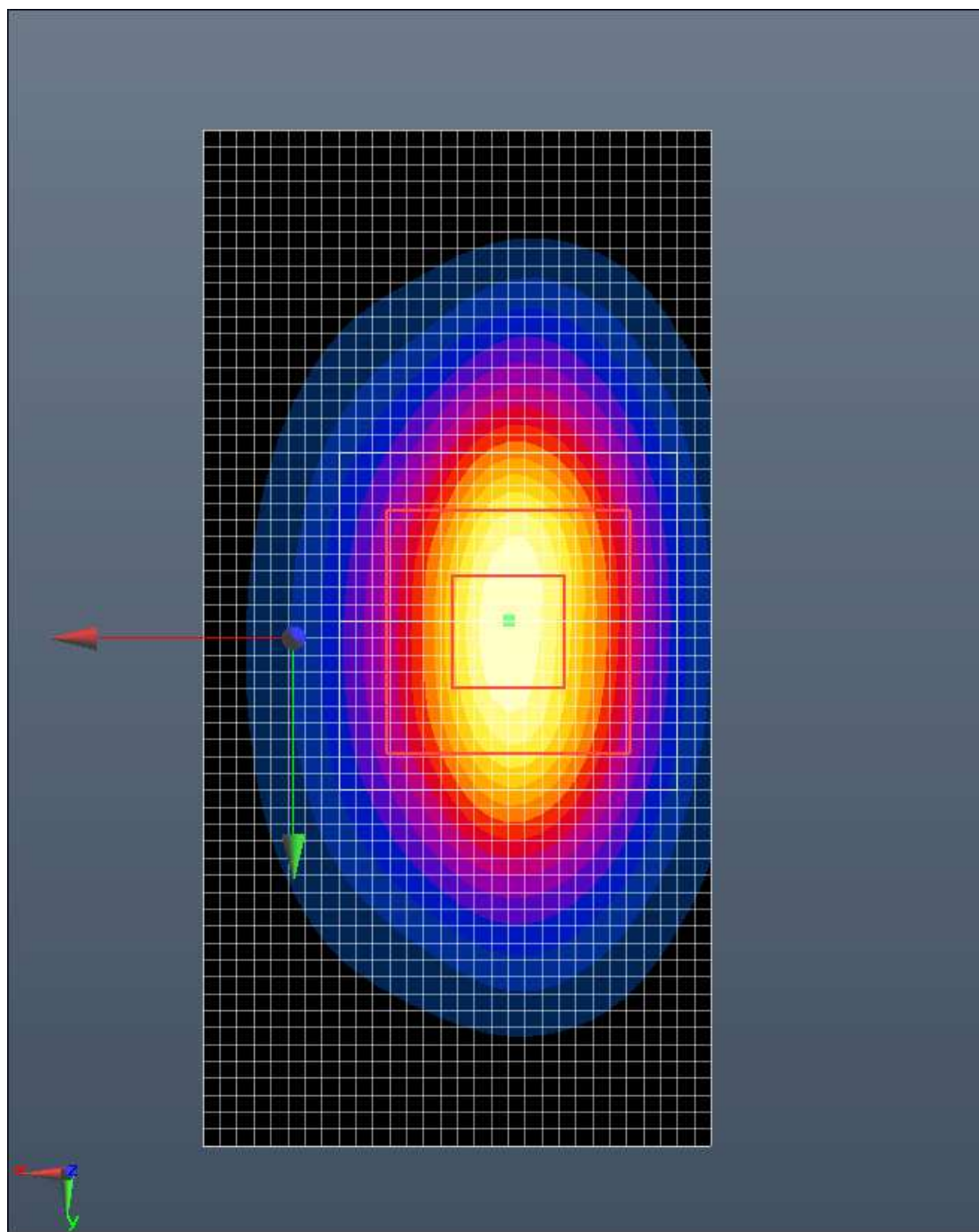
Reference Value = 19.824 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 74.2 W/kg

SAR(1 g) = 40.9 W/kg; SAR(10 g) = 21.4 W/kg

Normalized to target power = 1 W and actual power = 0.01 W

Maximum value of SAR (measured) = 58.5 W/kg



Test Laboratory: Intertek
File Name: [dipole.da52:2](#)

dipole

Procedure Notes:

DUT: Dipole 2450 MHz D2450V2; Serial: D2450V2 - SN:xxx

Communication System: UID 0, Dipole 2450MHz; Communication System Band: 2.4GHz; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 2.02 \text{ S/m}$; $\epsilon_r = 50.71$; $\rho = 1000 \text{ kg/m}^3$

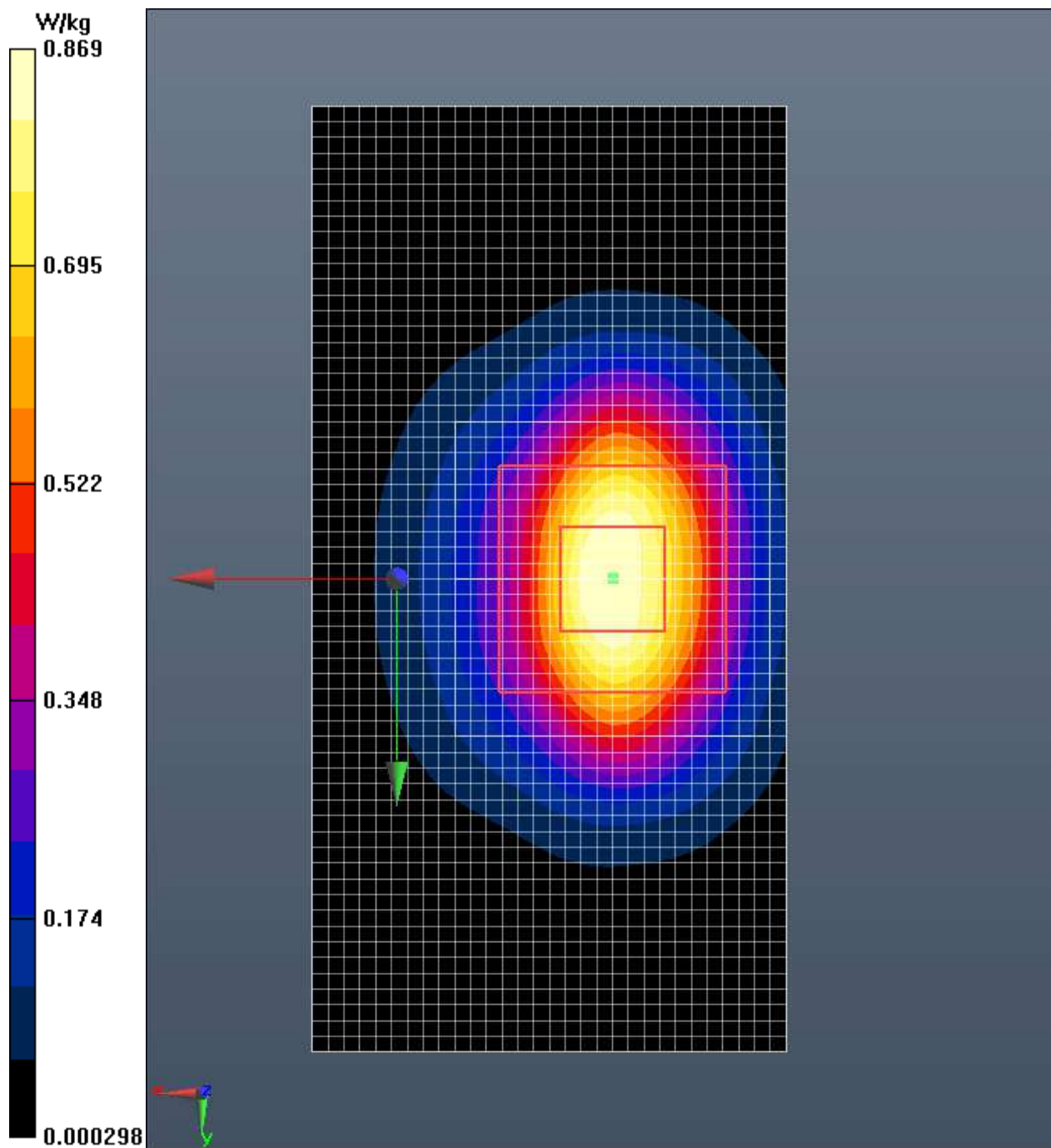
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(8.19, 8.19, 8.19); Calibrated: 12/16/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/16/2015
- Phantom: SAM 1 with CRP v5.0; Type: QD000P40CD; Serial: TP: 1243
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe) 2/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.869 W/kg

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe) 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.128 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 118 W/kg
SAR(1 g) = 56.7 W/kg; SAR(10 g) = 26.2 W/kg
Normalized to target power = 1 W and actual power = 0.01 W
Maximum value of SAR (measured) = 87.4 W/kg



Test Laboratory: Intertek
File Name: [dipole pcs band.da52:2](#)

dipole pcs band

Procedure Notes:

DUT: Dipole 1900 MHz D1900V2; Serial: D1900V2 - SN:xxx

Communication System: UID 0, Generic CDMA (0); Communication System Band: CDMA PCS Band;
Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 53.28$; $\rho = 1000$ kg/m³

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(8.62, 8.62, 8.62); Calibrated: 12/16/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/16/2015
- Phantom: SAM 2 with CRP v5.0; Type: QD000P40CD; Serial: TP:1663
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe) 2 2 2/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.608 W/kg

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100mW, dist=2.0mm (EX-Probe) 2 2 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.565 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 76.3 W/kg

SAR(1 g) = 42.1 W/kg; SAR(10 g) = 21.9 W/kg

Normalized to target power = 1 W and actual power = 0.01 W

Maximum value of SAR (measured) = 60.1 W/kg

