

## DASY5 Validation Report for Body TSL

Date: 12.11.2012

Test Laboratory: SPEAG, Zurich, Switzerland

**DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1140**

Communication System: CW; Frequency: 5200 MHz, Frequency: 5500 MHz, Frequency: 5800 MHz  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.35$  mho/m;  $\epsilon_r = 46.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.73$  mho/m;  $\epsilon_r = 46.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.13$  mho/m;  $\epsilon_r = 45.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: EX3DV4 - SN3503; ConvF(4.91, 4.91, 4.91); Calibrated: 30.12.2011, ConvF(4.43, 4.43, 4.43); Calibrated: 30.12.2011, ConvF(4.38, 4.38, 4.38); Calibrated: 30.12.2011;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 27.06.2012
- Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; Serial: 1002
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5200 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.434 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 29.5 W/kg

**SAR(1 g) = 7.42 W/kg; SAR(10 g) = 2.08 W/kg**

Maximum value of SAR (measured) = 17.7 W/kg

**Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5500 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 59.004 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 34.8 W/kg

**SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.22 W/kg**

Maximum value of SAR (measured) = 19.8 W/kg

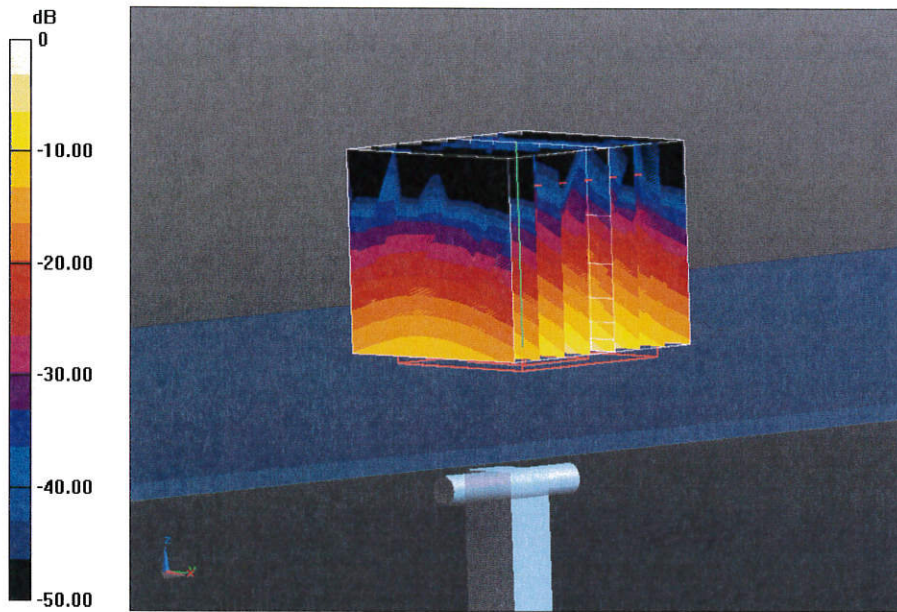
**Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 54.978 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 34.8 W/kg

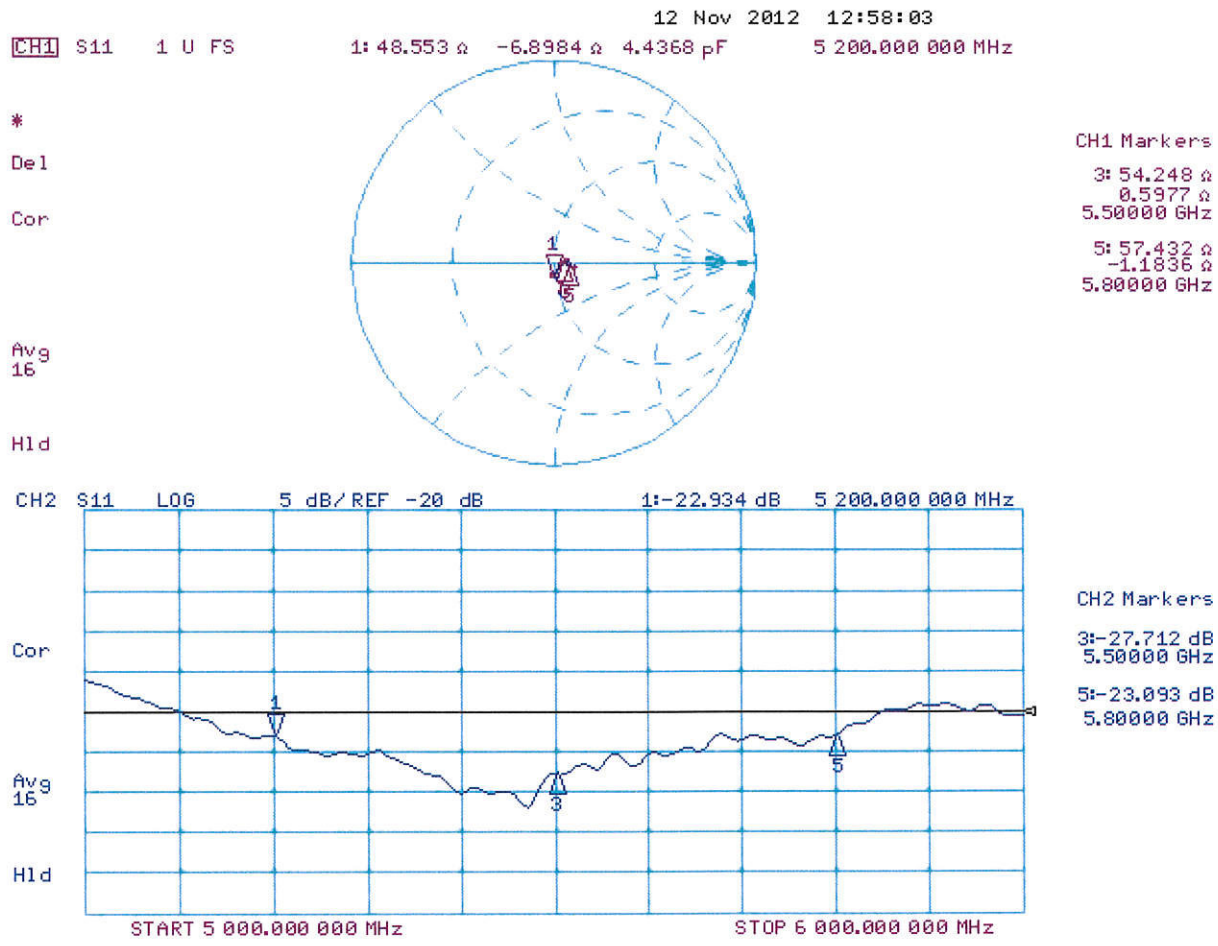
**SAR(1 g) = 7.43 W/kg; SAR(10 g) = 2.07 W/kg**

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg = 12.72 dBW/kg

# Impedance Measurement Plot for Body TSL



**ANNEX B System Validation Reports**

**Test Laboratory: Eurofins Product Service GmbH**

**Dipol Valid 900 MHz (h) 250mW 14\_08\_2013**

**DUT: Dipole 900 MHz; Type: D900V2; Serial: 164**

Communication System: UID 0 - n/a, CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.95 \text{ S/m}$ ;  $\epsilon_r = 40.75$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=xx mW, dist=4.0mm (ET-Probe)/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.27 W/kg

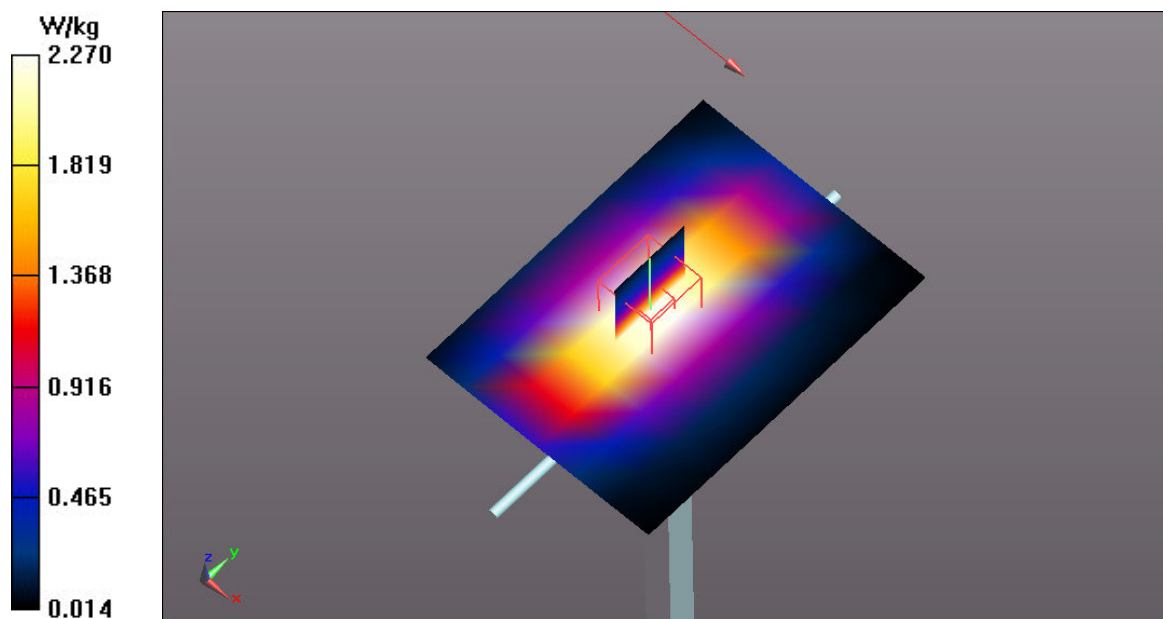
**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=xx mW, dist=4.0mm (ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.457 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.56 W/kg

**SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.61 W/kg**

Maximum value of SAR (measured) = 2.68 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**Dipol Valid 900 MHz (h) 250mW 22\_08\_2013**

**DUT: Dipole 900 MHz; Type: D900V2; Serial: 164**

Communication System: UID 0 - n/a, CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.96 \text{ S/m}$ ;  $\epsilon_r = 40.75$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=4.0mm (ET-Probe)/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.52 W/kg

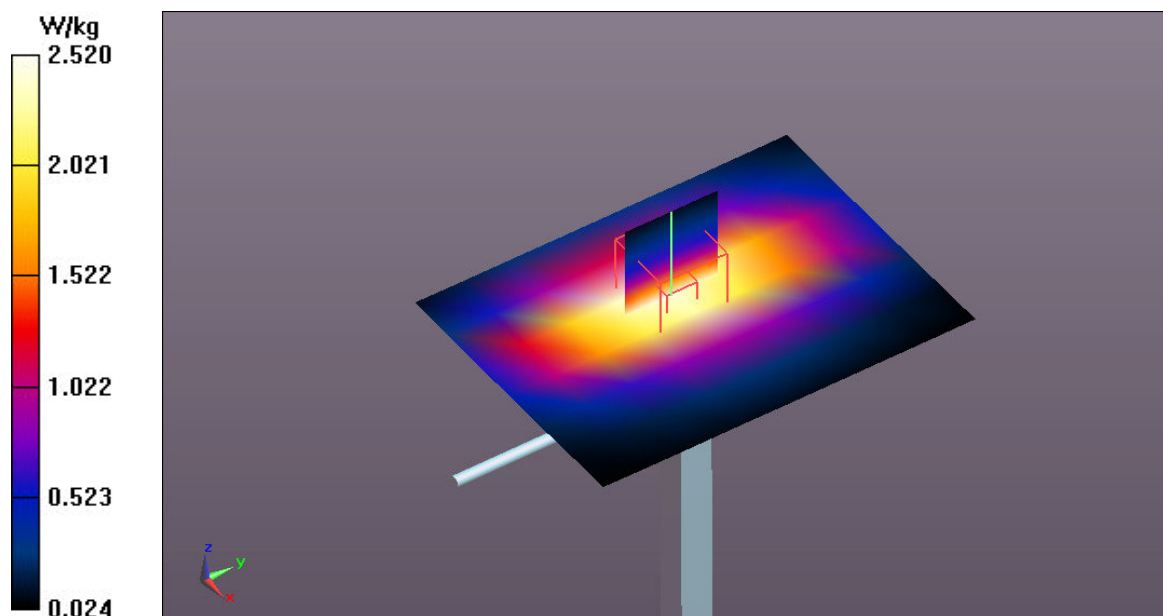
**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=250 mW, dist=4.0mm (ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.364 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.79 W/kg

**SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.66 W/kg**

Maximum value of SAR (measured) = 2.79 W/kg



## Test Laboratory: Eurofins Product Service GmbH

### Dipol Valid.1800 (h)\_250mW 19.08.2013

**DUT: Dipole 1800 MHz (D1800V2); Type: SA AAD 180 BA; Serial: 2d046**

Communication System: UID 0 - n/a, CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: Head 1800 MHz Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.435$  S/m;  $\epsilon_r = 40.588$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

#### DASY5.2 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.21, 5.21, 5.21); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

#### System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=4.0mm

**(ET-Probe)/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.6 W/kg

#### System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=4.0mm

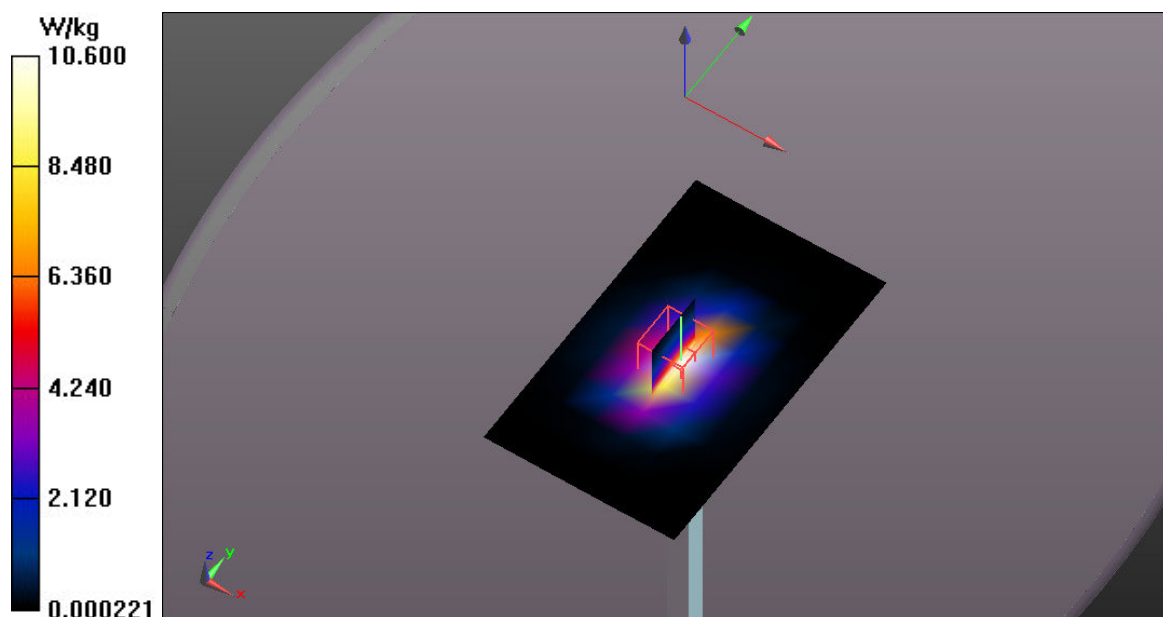
**(ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.575 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 16.0 W/kg

**SAR(1 g) = 9.61 W/kg; SAR(10 g) = 5.19 W/kg**

Maximum value of SAR (measured) = 10.8 W/kg





**Test Laboratory: Eurofins Product Service GmbH**

**Dipol Valid.1900 (h)\_250mW 20.08.2013**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025**

Communication System: UID 0 - n/a, CW; Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium: Head 1900 MHz Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.415$  S/m;  $\epsilon_r = 39.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

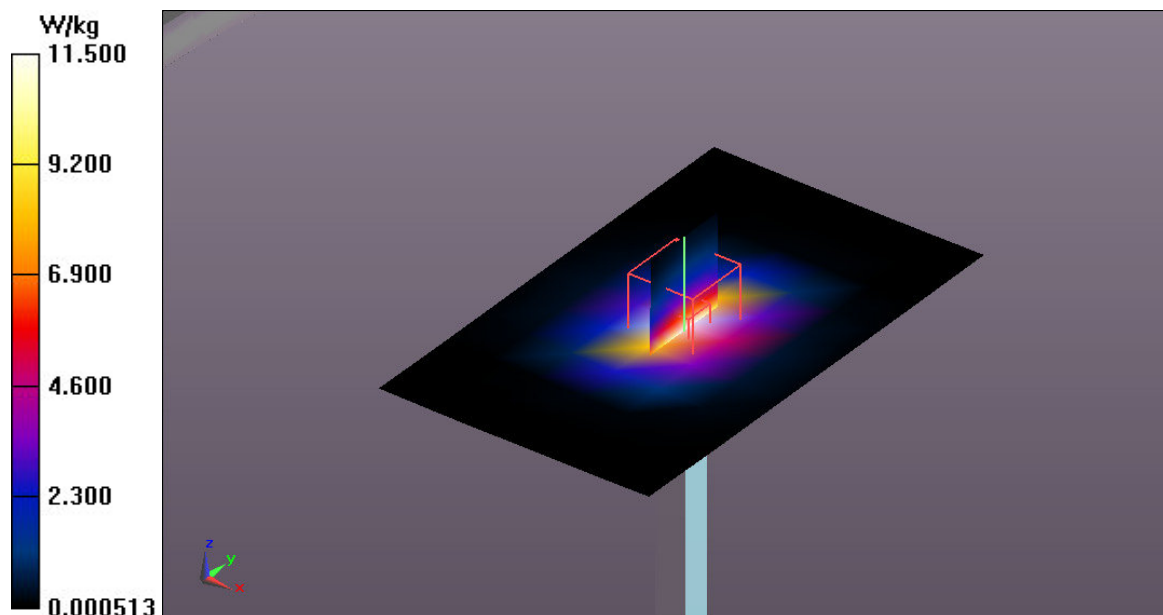
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(5.21, 5.21, 5.21); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=4.0mm (ET-Probe)/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 11.5 W/kg

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=4.0mm (ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 95.186 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 17.3 W/kg  
**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.36 W/kg**  
Maximum value of SAR (measured) = 11.2 W/kg





## Test Laboratory: Eurofins Product Service GmbH

### Dipol Valid.2450 (h)\_250mW 28.08.2013

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 722

Communication System: UID 0 - n/a, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: Head 2450 MHz Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.842$  S/m;  $\epsilon_r = 39.54$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

#### DASY5.2 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.34, 4.34, 4.34); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

#### System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=4.0mm

(ET-Probe)/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 15.1 W/kg

#### System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=250 mW, dist=4.0mm

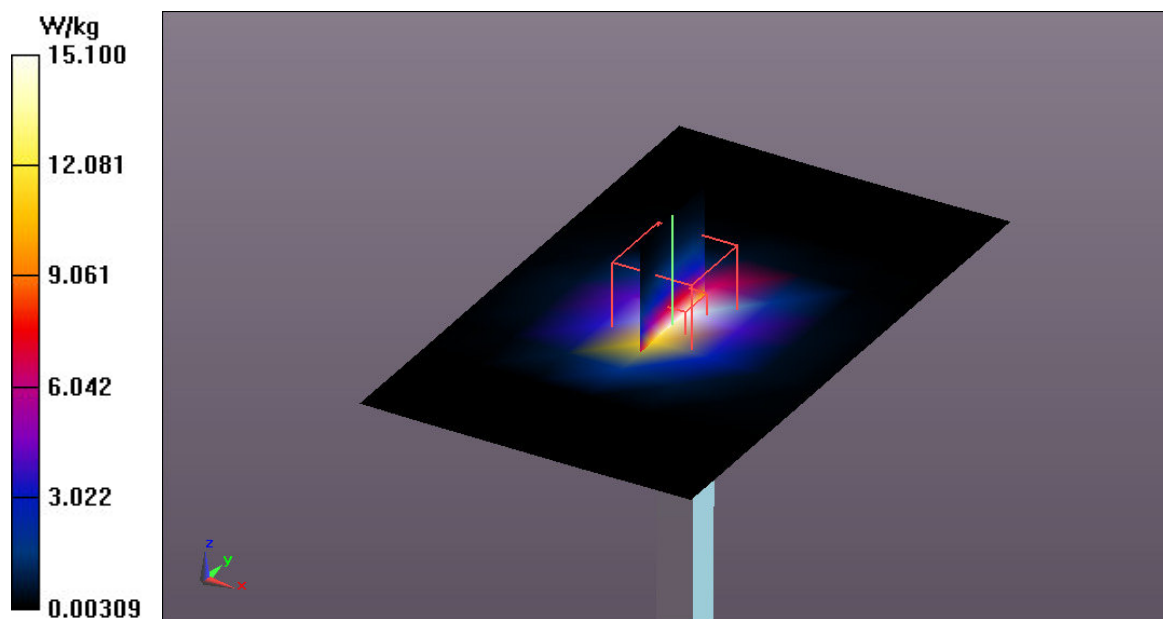
(ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.103 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 30.2 W/kg

**SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.42 W/kg**

Maximum value of SAR (measured) = 15.3 W/kg



## Test Laboratory: Eurofins Product Service GmbH

### Dipol Valid.5200 (h)\_100mW 29.08.2013

**DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN1140**

Communication System: UID 0 - n/a, CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HBBL3-6GHz Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.55$  S/m;  $\epsilon_r = 37.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

#### DASY5.2 Configuration:

- Probe: EX3DV4 - SN3893; ConvF(5.46, 5.46, 5.46); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

#### System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100 mW, dist=2.0mm

**(EX-Probe)/Area Scan (7x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.3 W/kg

#### System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100 mW, dist=2.0mm

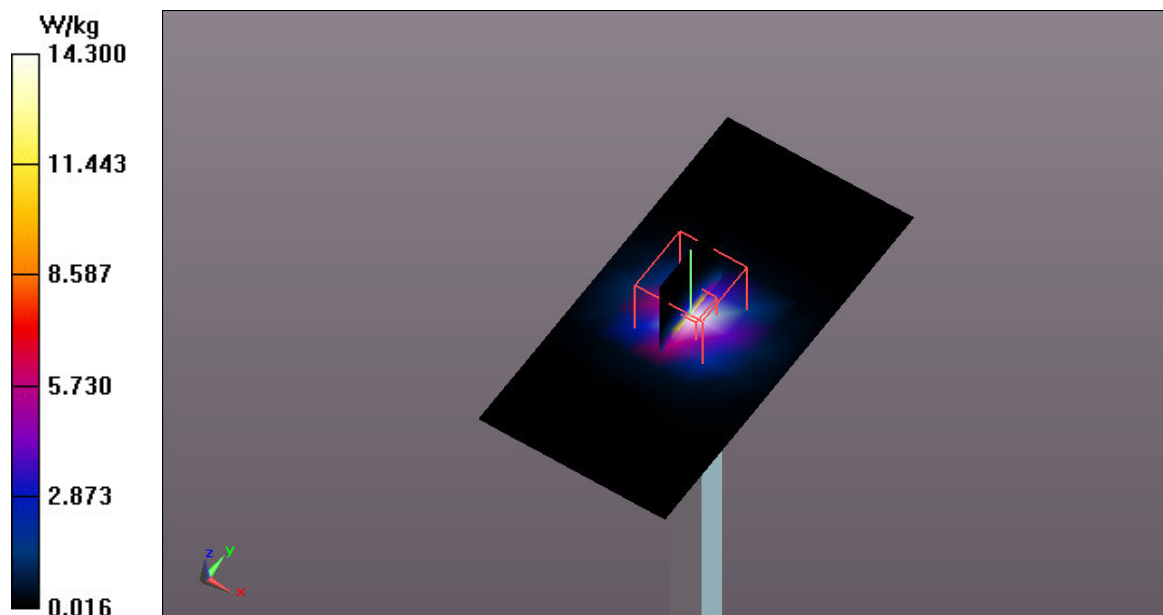
**(EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.947 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 38.6 W/kg

**SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.17 W/kg**

Maximum value of SAR (measured) = 7.88 W/kg



## Test Laboratory: Eurofins Product Service GmbH

### Dipol Valid.5500 (h)\_100mW 29.08.2013

**DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN1140**

Communication System: UID 0 - n/a, CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: HBBL3-6GHz Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.85$  S/m;  $\epsilon_r = 36.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

#### DASY5.2 Configuration:

- Probe: EX3DV4 - SN3893; ConvF(5.13, 5.13, 5.13); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

#### System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100 mW, dist=2.0mm

**(EX-Probe)/Area Scan (7x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.5 W/kg

#### System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=100 mW, dist=2.0mm

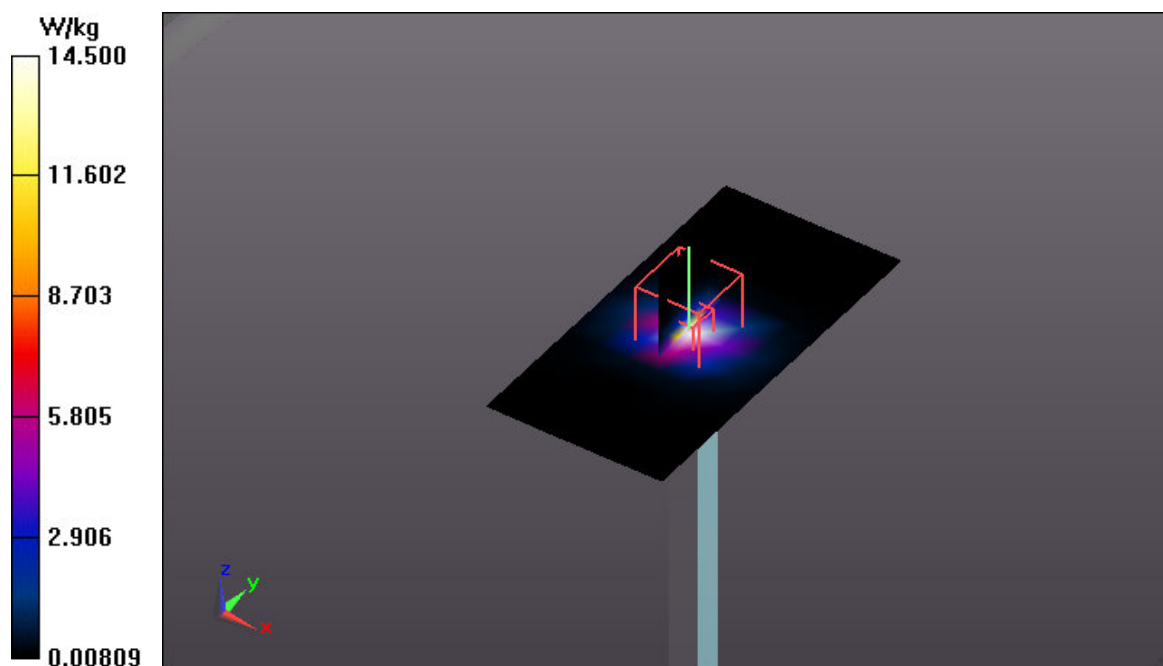
**(EX-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.692 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 46.8 W/kg

**SAR(1 g) = 8.2 W/kg; SAR(10 g) = 2.23 W/kg**

Maximum value of SAR (measured) = 7.78 W/kg



**ANNEX C SAR Measurement Reports**

**Test Laboratory: Eurofins Product Service GmbH**

**GPRS 900-CH-37\_1xSlot\_Gamma3\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, GPRS 900; Frequency: 897.4 MHz; Duty Cycle: 1:8.00018  
Medium: HSL900 Medium parameters used (interpolated):  $f = 897.4$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 40.774$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

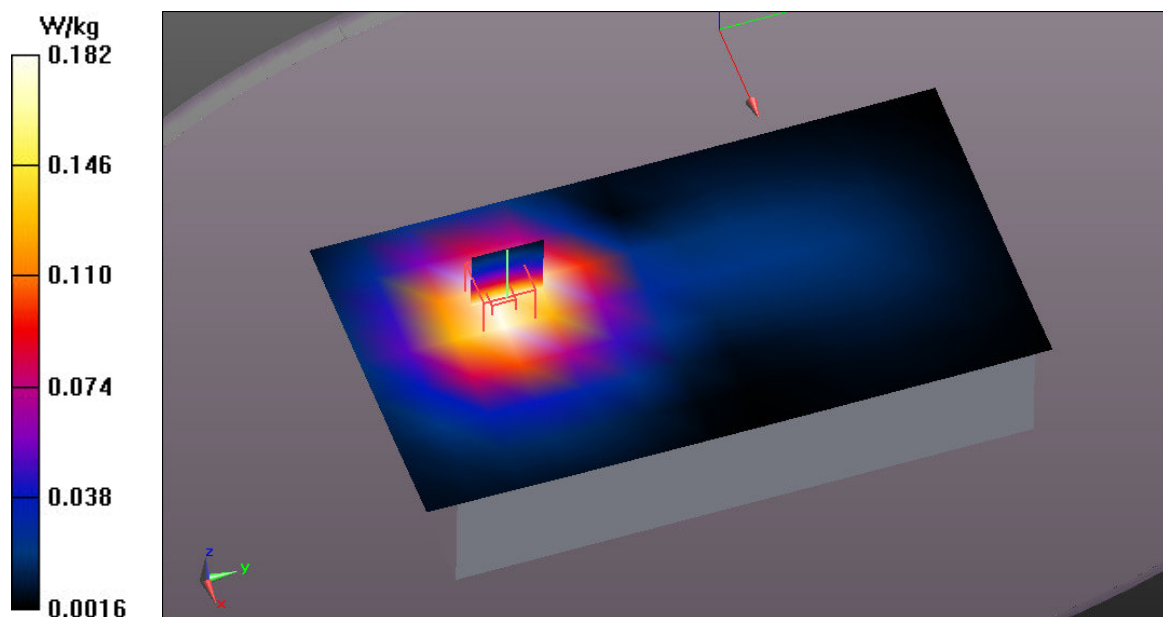
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.182 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.945 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.244 W/kg  
**SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.128 W/kg**  
Maximum value of SAR (measured) = 0.195 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**GPRS 900-CH-37\_2xSlot\_Gamma3\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, GPRS 900 2xSlot; Frequency: 897.4 MHz; Duty Cycle: 1:4.00037  
Medium: HSL900 Medium parameters used (interpolated):  $f = 897.4$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 40.774$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

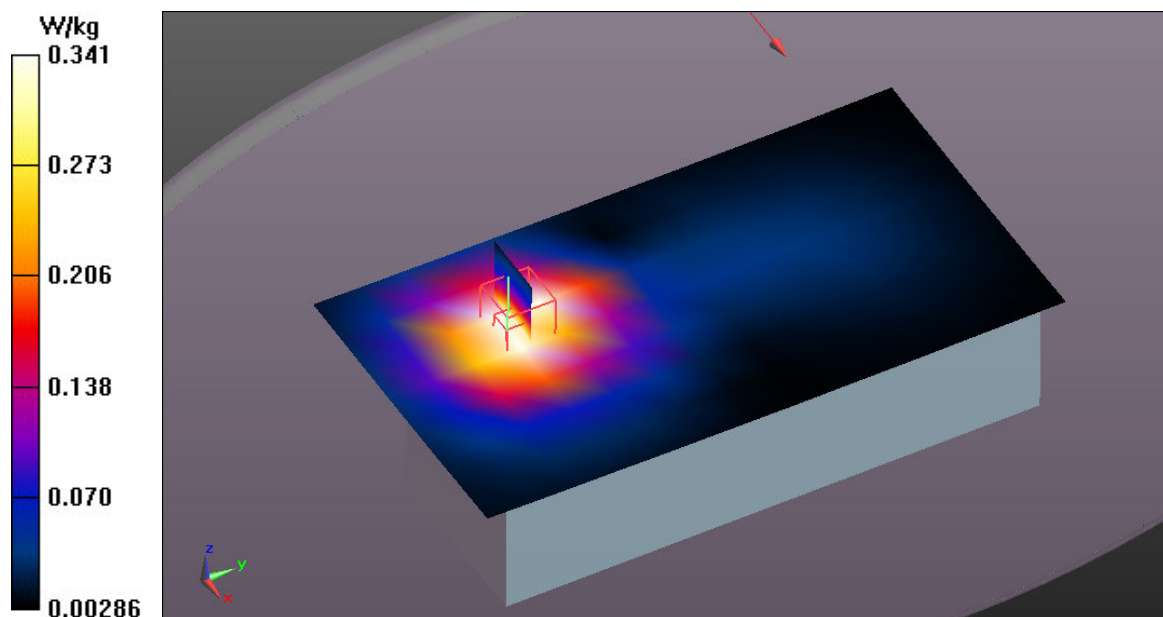
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.341 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 5.602 V/m; Power Drift = -0.16 dB  
Peak SAR (extrapolated) = 0.472 W/kg  
**SAR(1 g) = 0.350 W/kg; SAR(10 g) = 0.243 W/kg**  
Maximum value of SAR (measured) = 0.374 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**GPRS 900-CH-37\_2xSlot\_Gamma3\_Flat\_bottom\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, GPRS 900 2xSlot; Frequency: 897.4 MHz; Duty Cycle: 1:4.00037  
Medium: HSL900 Medium parameters used (interpolated):  $f = 897.4$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 40.774$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

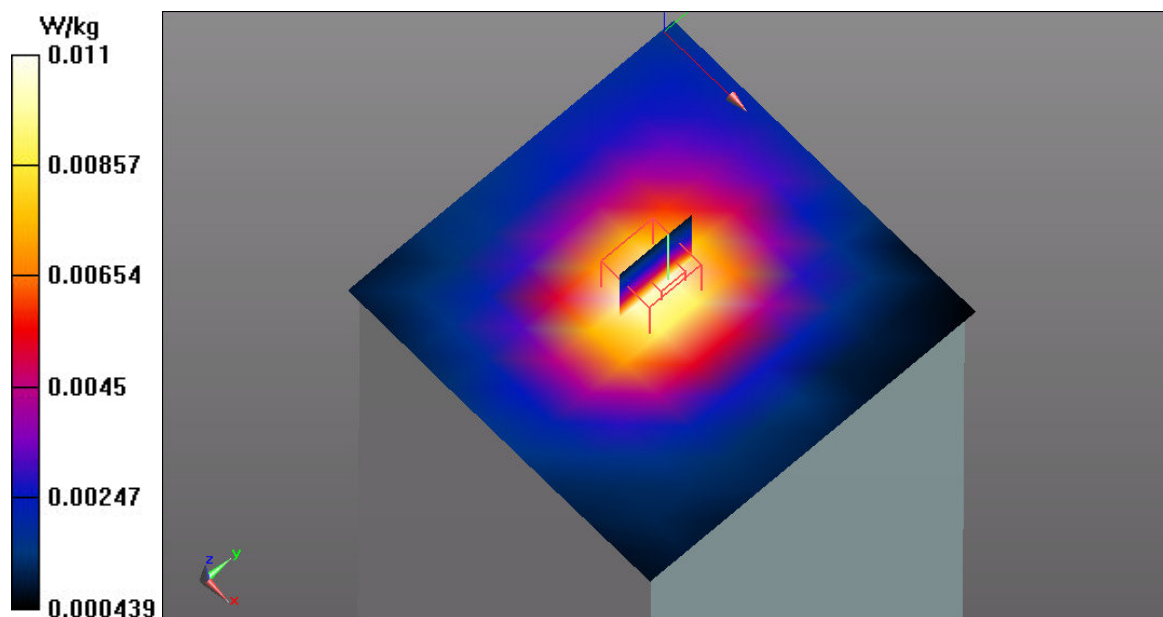
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (10x10x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.0106 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.663 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 0.0140 W/kg  
**SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00696 W/kg**  
Maximum value of SAR (measured) = 0.0109 W/kg





**Test Laboratory: Eurofins Product Service GmbH**

**EDGE 900-CH-37\_2xSlot\_Gamma3\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, EDGE 900 2xSlot; Frequency: 897.4 MHz; Duty Cycle: 1:4.00037  
Medium: HSL900 Medium parameters used (interpolated):  $f = 897.4$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 40.774$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

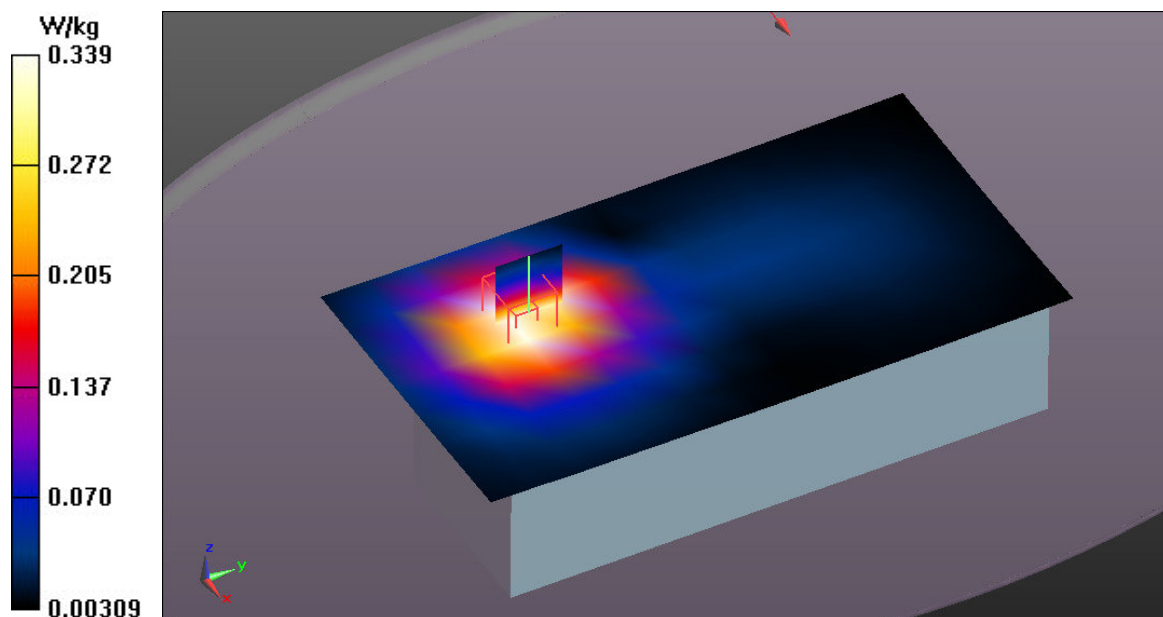
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.339 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 5.530 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 0.478 W/kg  
**SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.241 W/kg**  
Maximum value of SAR (measured) = 0.372 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**GPRS 900-CH-37\_2xSlot\_Gamma3\_Flat\_front\_Holster\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, GPRS 900 2xSlot; Frequency: 897.4 MHz; Duty Cycle: 1:4.00037  
Medium: HSL900 Medium parameters used (interpolated):  $f = 897.4$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 40.774$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

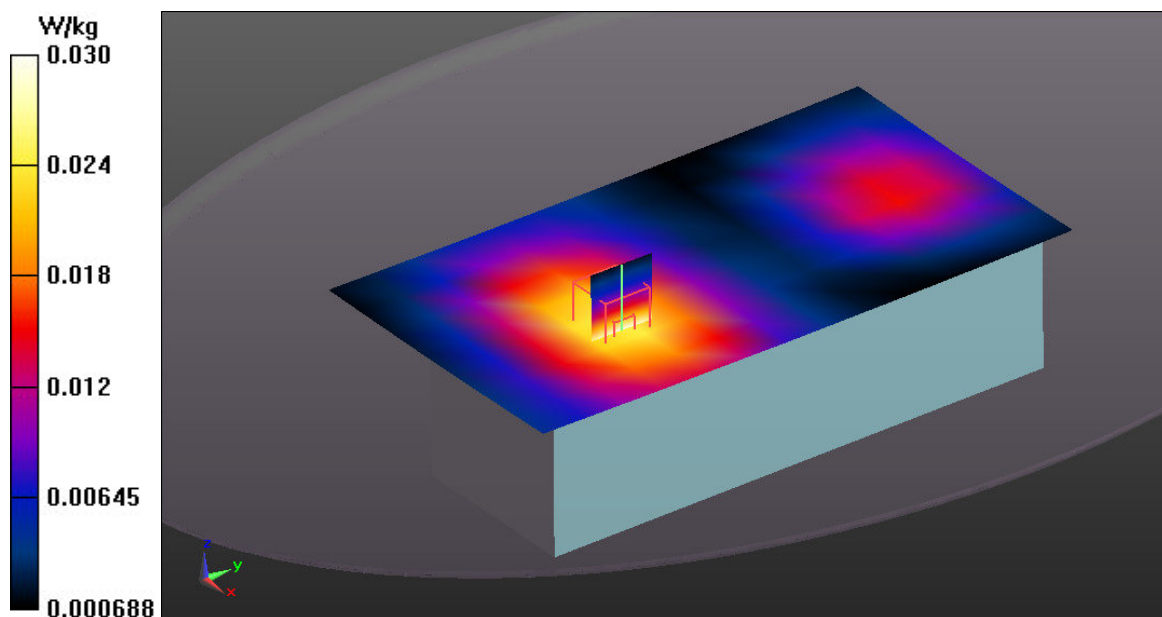
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.0245 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 1.958 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 0.0280 W/kg  
**SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.017 W/kg**  
Maximum value of SAR (measured) = 0.0239 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**GPRS1800-CH-698\_1xSlot\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, GPRS 1800; Frequency: 1747.4 MHz; Duty Cycle: 1:8.00018  
Medium: Head 1800 MHz Medium parameters used:  $f = 1747.4$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.73$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

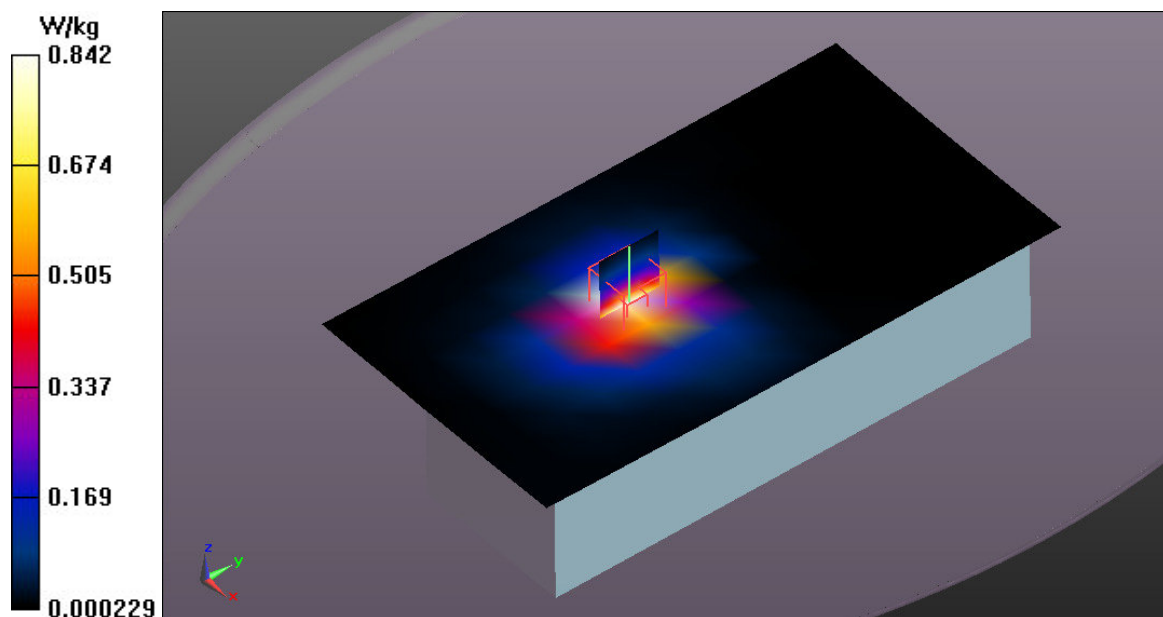
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(5.21, 5.21, 5.21); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.842 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.865 V/m; Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 1.43 W/kg  
**SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.514 W/kg**  
Maximum value of SAR (measured) = 0.992 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**GPRS1800-CH-698\_2xSlot\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, GPRS 1800 2xSlot; Frequency: 1747.4 MHz; Duty Cycle: 1:4.14954  
Medium: Head 1800 MHz Medium parameters used:  $f = 1747.4$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.73$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

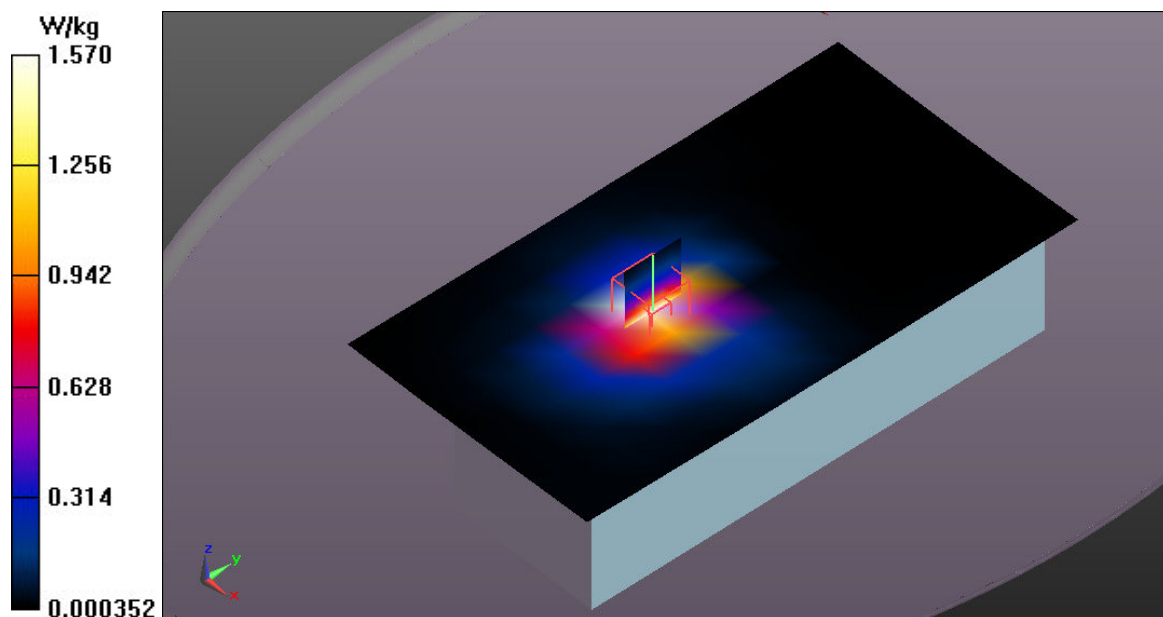
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(5.21, 5.21, 5.21); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 1.57 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 5.322 V/m; Power Drift = -0.16 dB  
Peak SAR (extrapolated) = 2.57 W/kg  
**SAR(1 g) = 1.62 W/kg; SAR(10 g) = 0.938 W/kg**  
Maximum value of SAR (measured) = 1.78 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**EDGE1800-CH-698\_2xSlot\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, EDGE 1800 2xSlot; Frequency: 1747.4 MHz; Duty Cycle: 1:4.14954  
Medium: Head 1800 MHz Medium parameters used:  $f = 1747.4$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.73$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

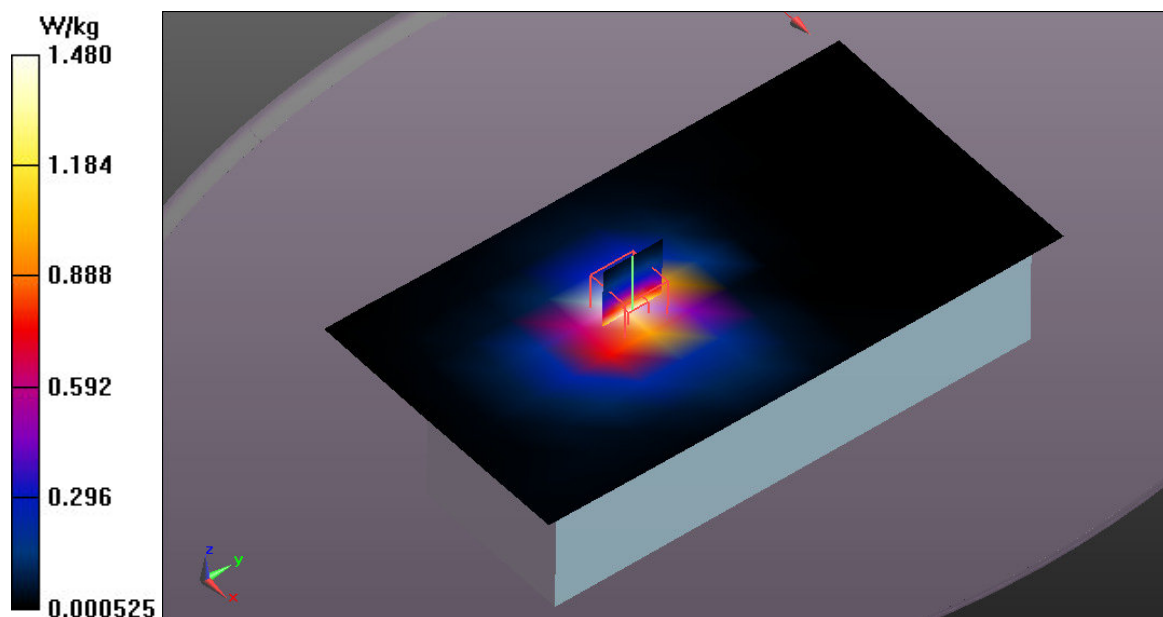
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(5.21, 5.21, 5.21); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 1.48 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 5.204 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 2.65 W/kg  
**SAR(1 g) = 1.66 W/kg; SAR(10 g) = 0.952 W/kg**  
Maximum value of SAR (measured) = 1.86 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**EDGE1800-CH-698\_2xSlot\_Flat\_bottom\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, EDGE 1800 2xSlot; Frequency: 1747.4 MHz; Duty Cycle: 1:4.14954  
Medium: Head 1800 MHz Medium parameters used:  $f = 1747.4$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.73$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

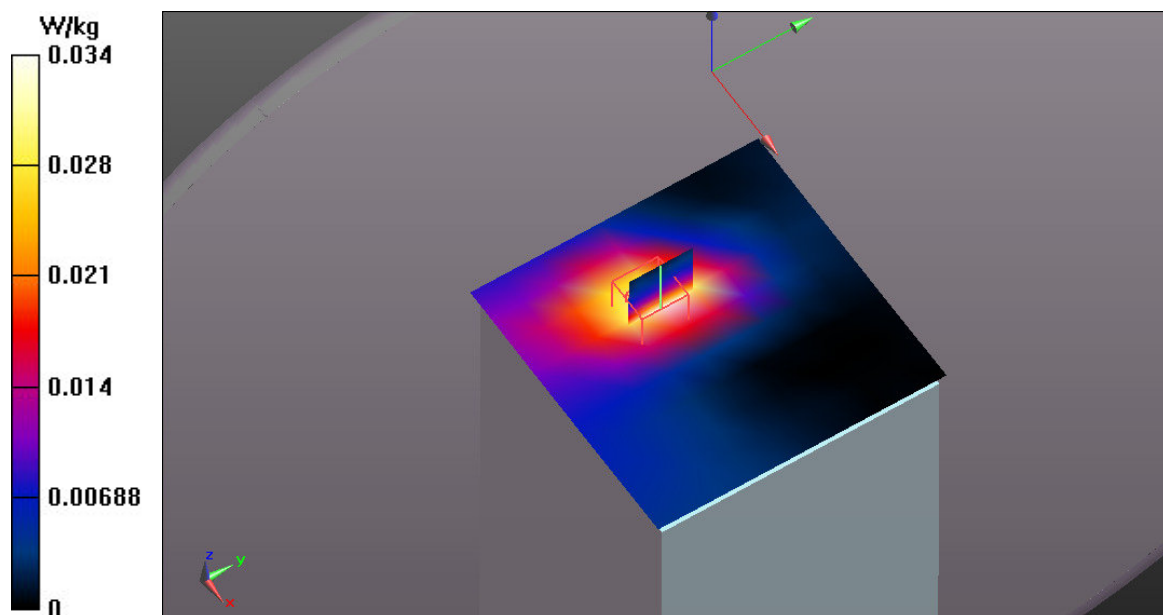
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(5.21, 5.21, 5.21); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (10x10x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.0344 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.026 V/m; Power Drift = -0.16 dB  
Peak SAR (extrapolated) = 0.113 W/kg  
**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.019 W/kg**  
Maximum value of SAR (measured) = 0.0353 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**EDGE1800-CH-698\_2xSlot\_Flat\_front\_Holster\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, EDGE 1800 2xSlot; Frequency: 1747.4 MHz;Duty Cycle: 1:4.14954  
Medium: Head 1800 MHz Medium parameters used:  $f = 1747.4$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.73$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

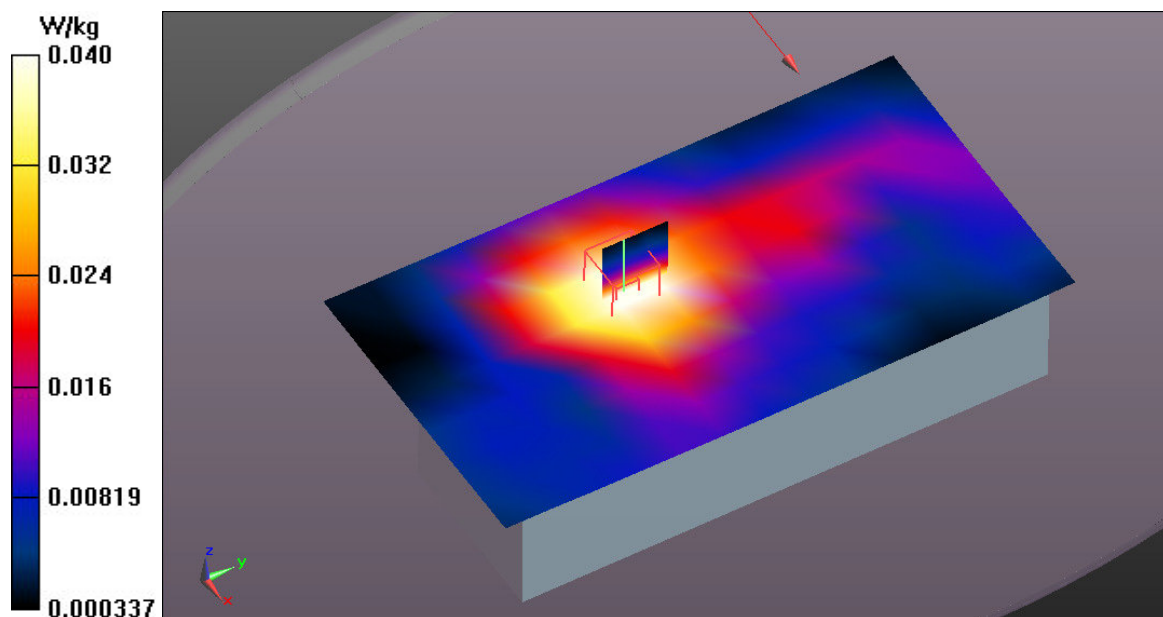
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(5.21, 5.21, 5.21); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.0396 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.776 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.0590 W/kg  
**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.026 W/kg**  
Maximum value of SAR (measured) = 0.0428 W/kg





**Test Laboratory: Eurofins Product Service GmbH**

**UMTS FDD I-CH-9750\_RMC12.2\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, UMTS Up Band I; Frequency: 1950 MHz; Duty Cycle: 1:1  
Medium: Head 1900 MHz Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.454$  S/m;  $\epsilon_r = 39.454$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

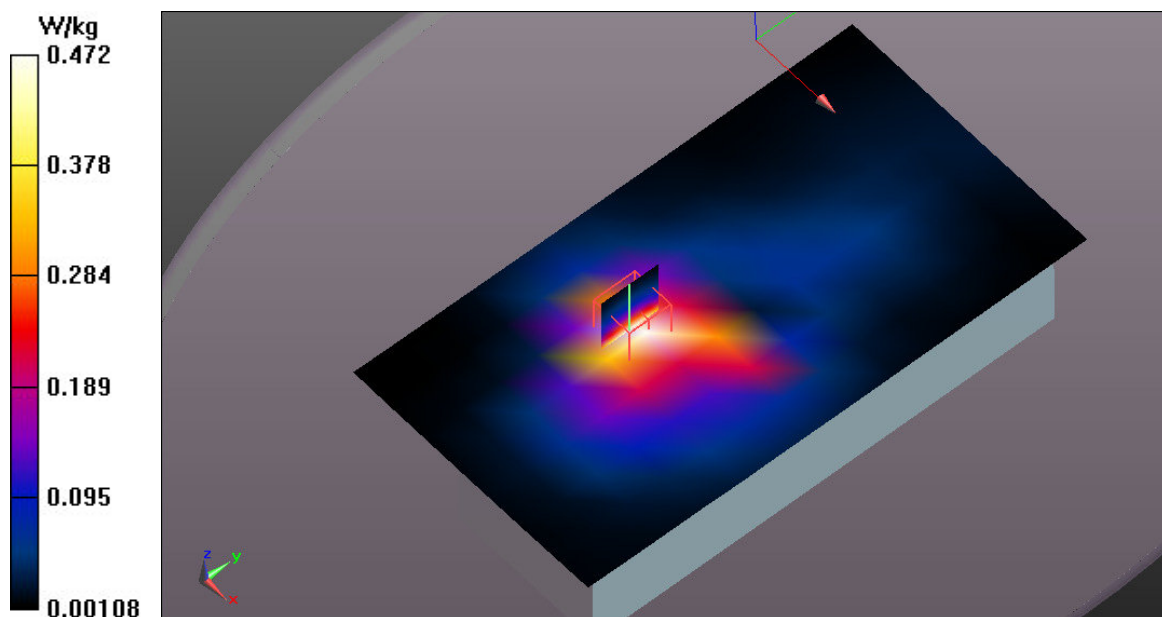
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(4.95, 4.95, 4.95); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.472 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 4.134 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 0.774 W/kg  
**SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.259 W/kg**  
Maximum value of SAR (measured) = 0.506 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**UMTS FDD I-CH-9750\_RMC12.2\_Flat\_bottom\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, UMTS Up Band I; Frequency: 1950 MHz; Duty Cycle: 1:1  
Medium: Head 1900 MHz Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.454$  S/m;  $\epsilon_r = 39.454$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

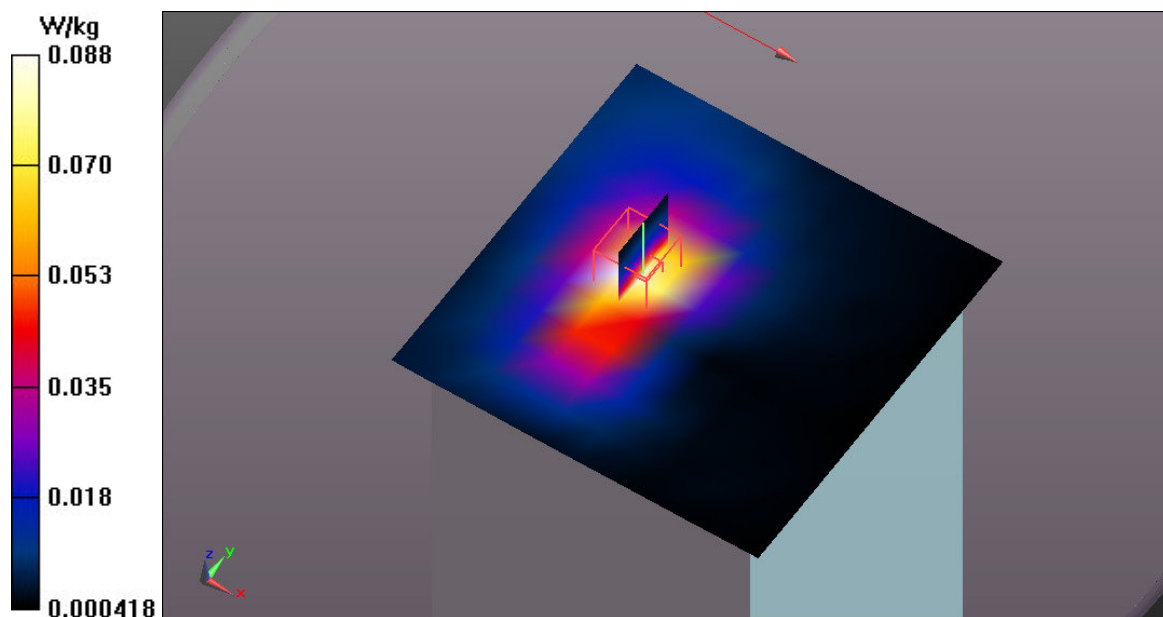
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(4.95, 4.95, 4.95); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (11x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.0879 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 4.249 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.152 W/kg  
**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.049 W/kg**  
Maximum value of SAR (measured) = 0.0968 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**UMTS FDD I-CH-9750\_RMC12.2\_Flat\_front\_Holster\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, UMTS Up Band I; Frequency: 1950 MHz; Duty Cycle: 1:1  
Medium: Head 1900 MHz Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.454$  S/m;  $\epsilon_r = 39.454$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

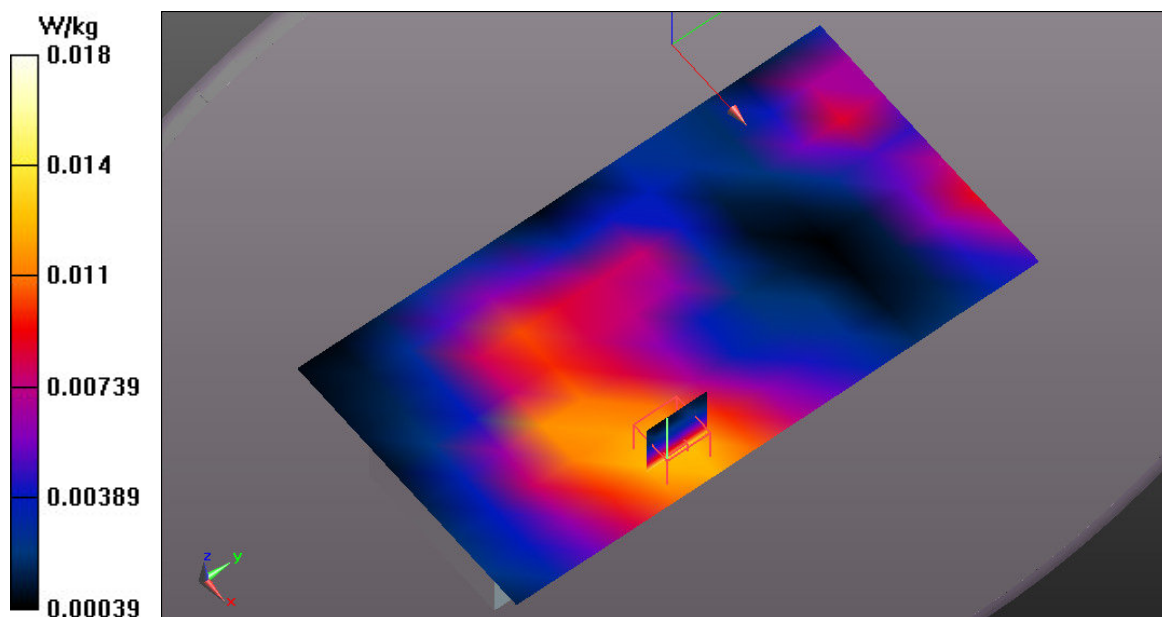
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(4.95, 4.95, 4.95); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.0129 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 2.287 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 0.0210 W/kg  
**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00796 W/kg**  
Maximum value of SAR (measured) = 0.0134 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**UMTS FDD VIII-CH-2788\_RMC12.2\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, UMTS Up Band VIII; Frequency: 897.6 MHz; Duty Cycle: 1:1  
Medium: HSL900 Medium parameters used (interpolated):  $f = 897.6$  MHz;  $\sigma = 0.958$  S/m;  $\epsilon_r = 40.772$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

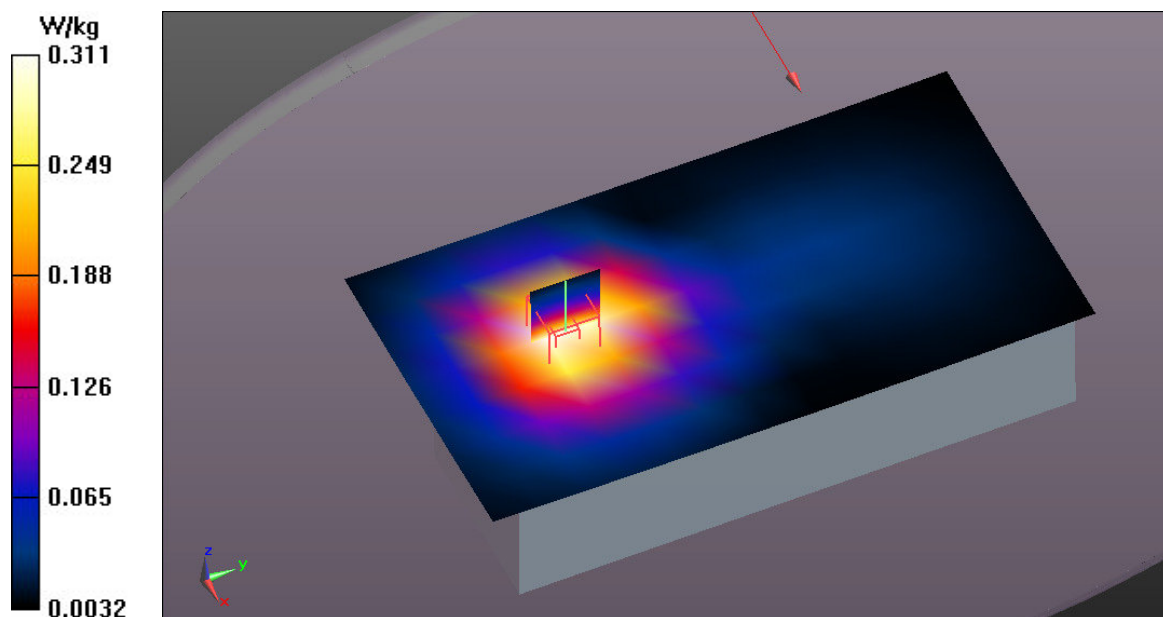
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.311 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 6.994 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.413 W/kg  
**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.204 W/kg**  
Maximum value of SAR (measured) = 0.319 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**UMTS FDD VIII-CH-2788\_RMC12.2\_Flat\_bottom\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, UMTS Up Band VIII; Frequency: 897.6 MHz; Duty Cycle: 1:1  
Medium: HSL900 Medium parameters used (interpolated):  $f = 897.6$  MHz;  $\sigma = 0.958$  S/m;  $\epsilon_r = 40.772$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

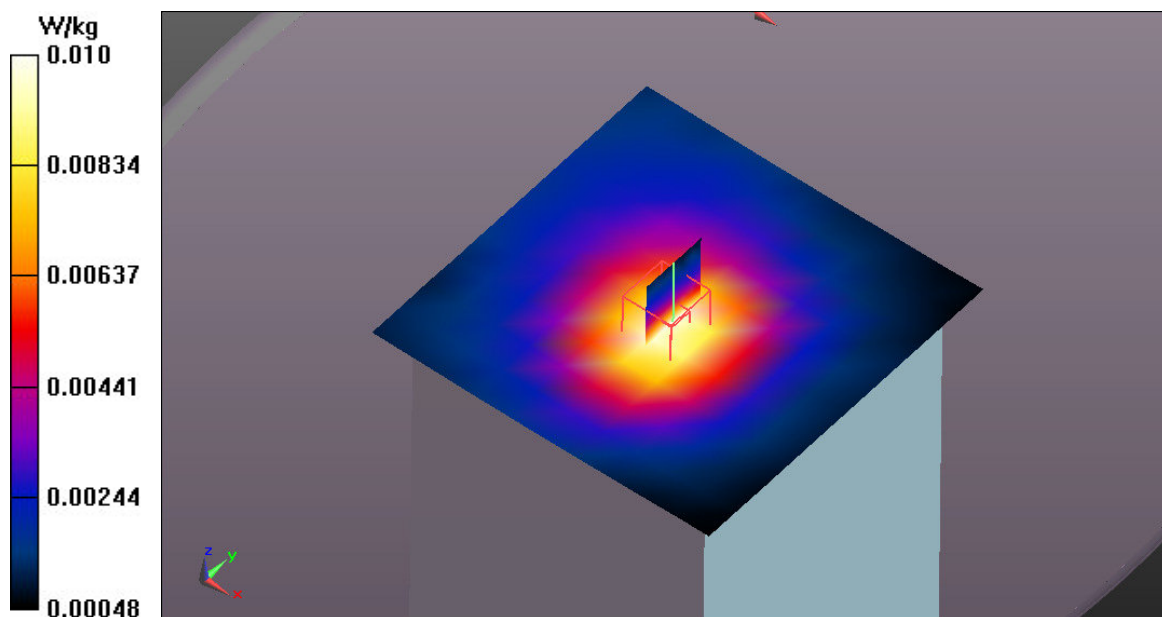
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (11x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.0103 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.400 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.0150 W/kg  
**SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00678 W/kg**  
Maximum value of SAR (measured) = 0.0111 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**UMTS FDD VIII-CH-2788\_RMC12.2\_Flat\_front\_Holster\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, UMTS Up Band VIII; Frequency: 897.6 MHz; Duty Cycle: 1:1  
Medium: HSL900 Medium parameters used (interpolated):  $f = 897.6$  MHz;  $\sigma = 0.958$  S/m;  $\epsilon_r = 40.772$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

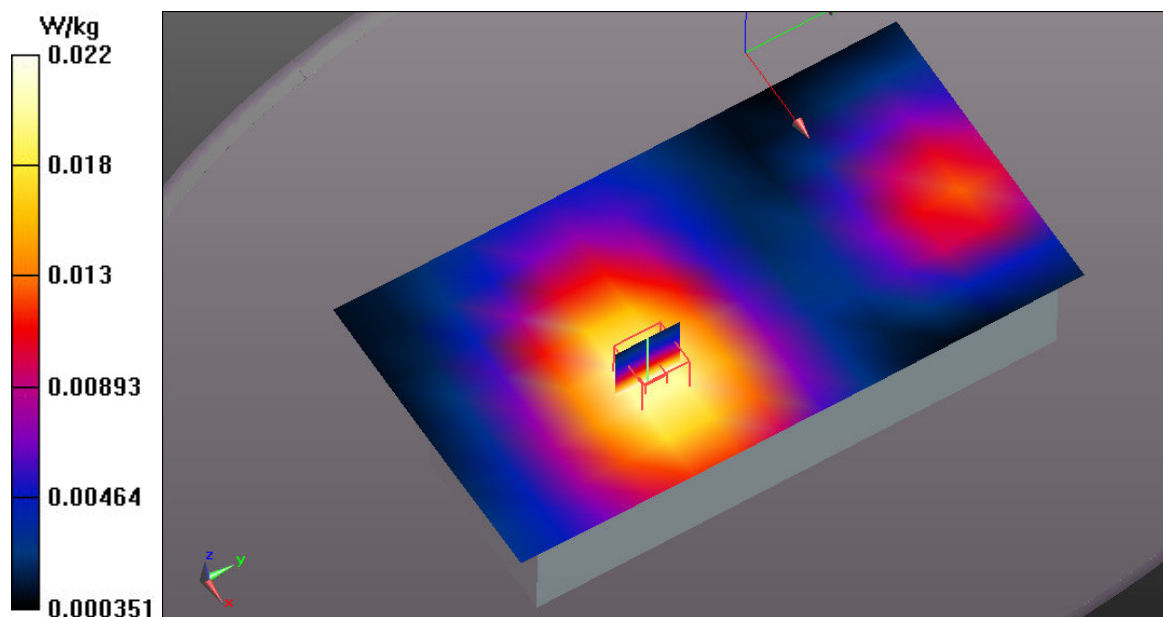
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(6.15, 6.15, 6.15); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (8x14x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.0198 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 2.733 V/m; Power Drift = -0.14 dB  
Peak SAR (extrapolated) = 0.0250 W/kg  
**SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.014 W/kg**  
Maximum value of SAR (measured) = 0.0207 W/kg





**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-2.4G\_CH-7\_DSSS\_1MBit\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EN; Frequency: 2442 MHz; Duty Cycle: 1:1  
Medium: Head 2450 MHz Medium parameters used:  $f = 2442$  MHz;  $\sigma = 1.838$  S/m;  $\epsilon_r = 39.45$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

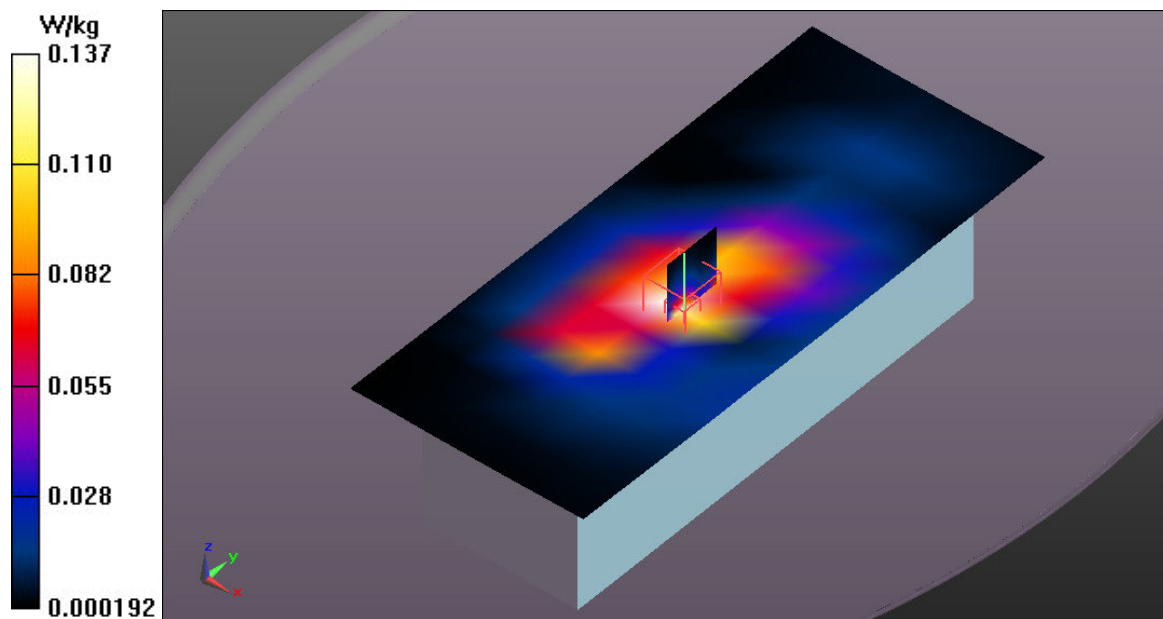
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(4.34, 4.34, 4.34); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (7x15x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.137 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 7.957 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 0.358 W/kg  
**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.065 W/kg**  
Maximum value of SAR (measured) = 0.197 W/kg





**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-2.4G\_CH-7\_DSSS\_1MBit\_Flat\_bottom\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EN; Frequency: 2442 MHz; Duty Cycle: 1:1  
Medium: Head 2450 MHz Medium parameters used:  $f = 2442$  MHz;  $\sigma = 1.838$  S/m;  $\epsilon_r = 39.45$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

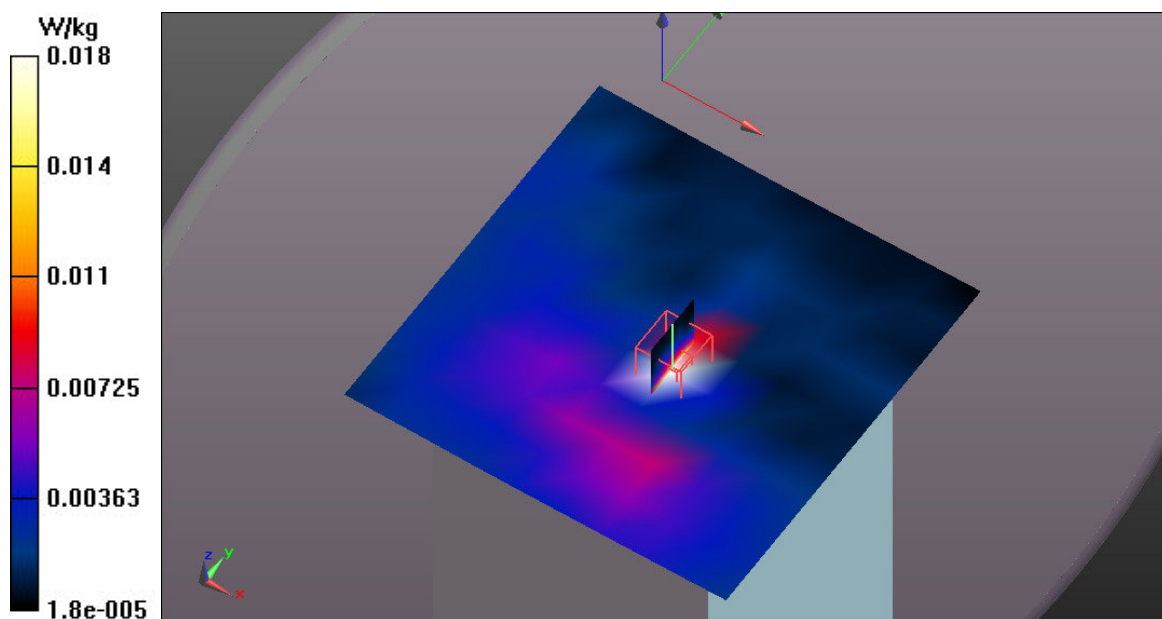
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(4.34, 4.34, 4.34); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (10x10x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.0181 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 2.765 V/m; Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 0.0360 W/kg  
**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00749 W/kg**  
Maximum value of SAR (measured) = 0.0186 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-2.4G\_CH-7\_DSSS\_1MBit\_Flat\_front\_Holster\_0mm**

**DUT: i.roc Ci70; Type: PDA with GSM/WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EN; Frequency: 2442 MHz;Duty Cycle: 1:1  
Medium: Head 2450 MHz Medium parameters used:  $f = 2442$  MHz;  $\sigma = 1.838$  S/m;  $\epsilon_r = 39.45$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

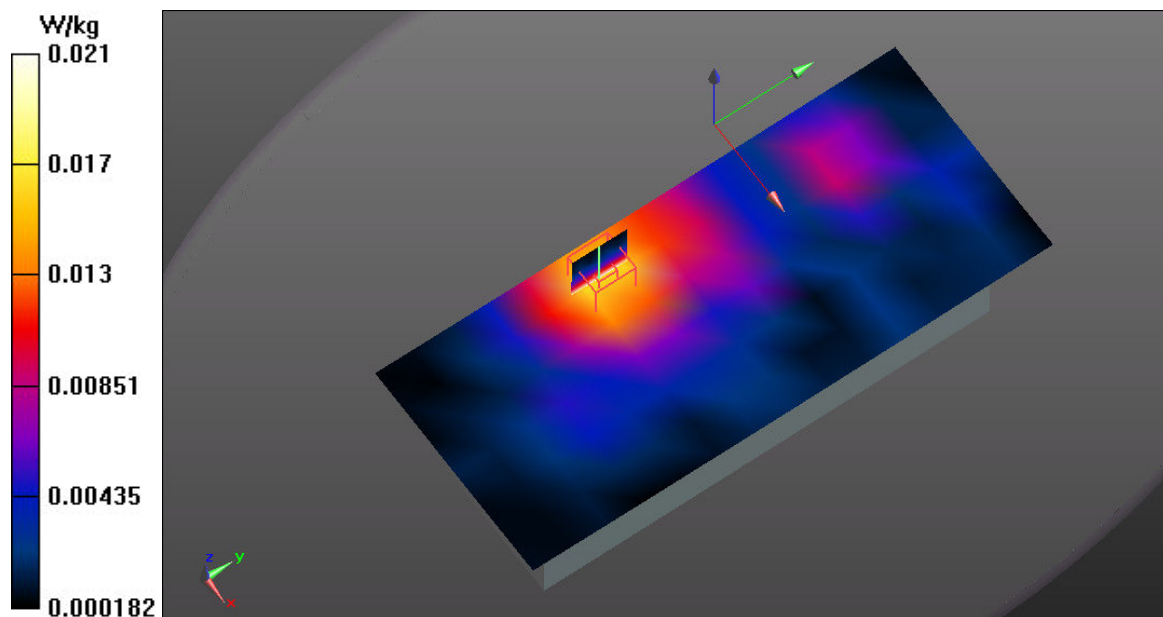
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: ET3DV6 - SN1711; ConvF(4.34, 4.34, 4.34); Calibrated: 19.09.2012;
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (7x15x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (measured) = 0.0160 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 1.749 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.0320 W/kg  
**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00922 W/kg**  
Maximum value of SAR (measured) = 0.0172 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-5G-U-NII-2\_CH-52\_OFDM\_6MBit\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EU; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium: HBBL3-6GHz Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.65$  S/m;  $\epsilon_r = 37.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

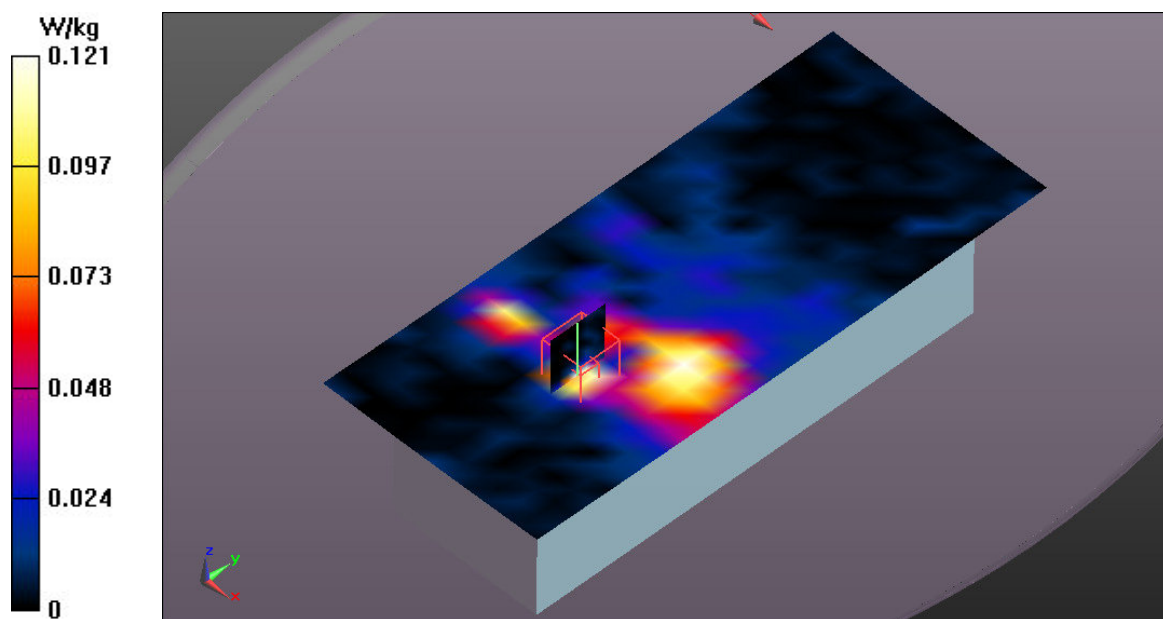
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: EX3DV4 - SN3893; ConvF(5.46, 5.46, 5.46); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (13x29x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.121 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 1.340 V/m; Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 0.491 W/kg  
**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.027 W/kg**  
Maximum value of SAR (measured) = 0.0863 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-5G-U-NII-2e\_CH-120\_OFDM\_6MBit\_Flat\_back\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EU; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium: HBBL3-6GHz Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.93$  S/m;  $\epsilon_r = 36.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

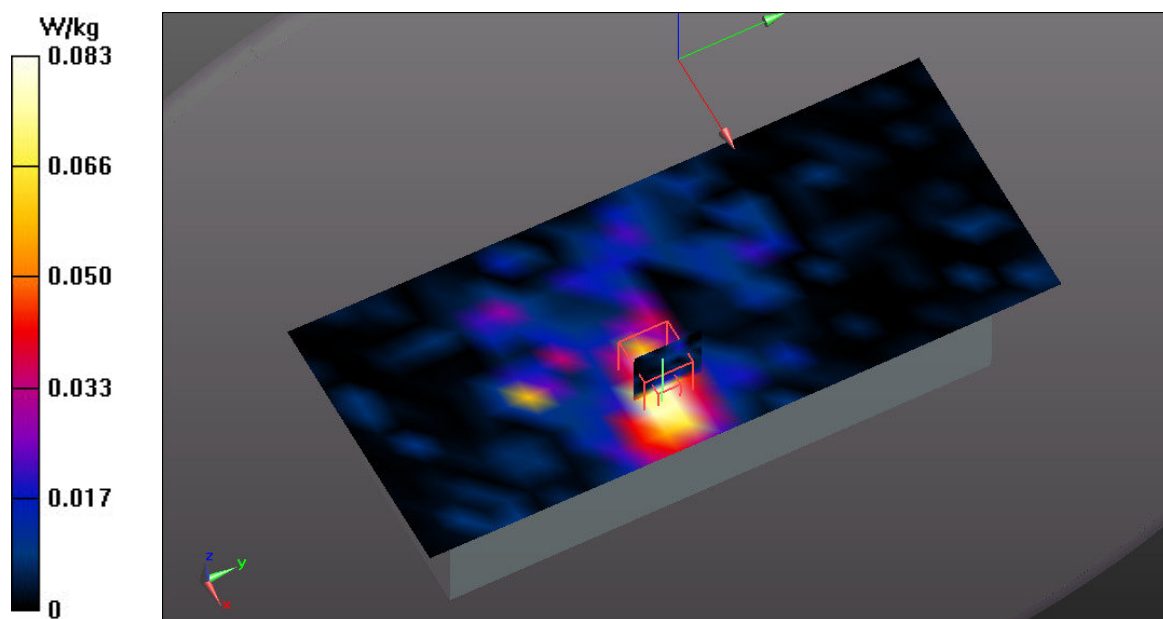
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: EX3DV4 - SN3893; ConvF(5.13, 5.13, 5.13); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (13x29x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.0825 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 0.859 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.249 W/kg  
**SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.016 W/kg**  
Maximum value of SAR (measured) = 0.0853 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-5G-U-NII-2\_CH-52\_OFDM\_6MBit\_Flat\_bottom\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EU; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium: HBBL3-6GHz Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.65$  S/m;  $\epsilon_r = 37.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

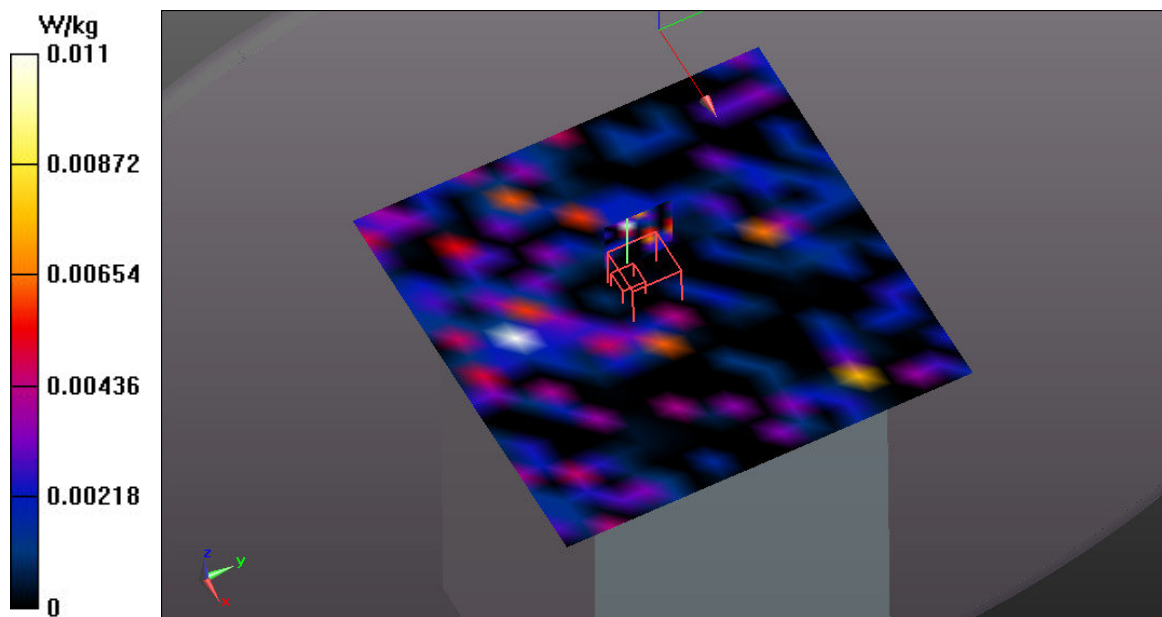
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: EX3DV4 - SN3893; ConvF(5.46, 5.46, 5.46); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (19x19x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.0109 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 0.815 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 0.0130 W/kg  
**SAR(1 g) = 0.00025 W/kg; SAR(10 g) = 2.55e-005 W/kg**  
Maximum value of SAR (measured) = 0.0170 W/kg



**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-5G-U-NII-2e\_CH-120\_OFDM\_6MBit\_Flat\_bottom\_CarryCase\_0mm**

**DUT: i.roc Ci70; Type: PDA with WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EU; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium: HBBL3-6GHz Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.93$  S/m;  $\epsilon_r = 36.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

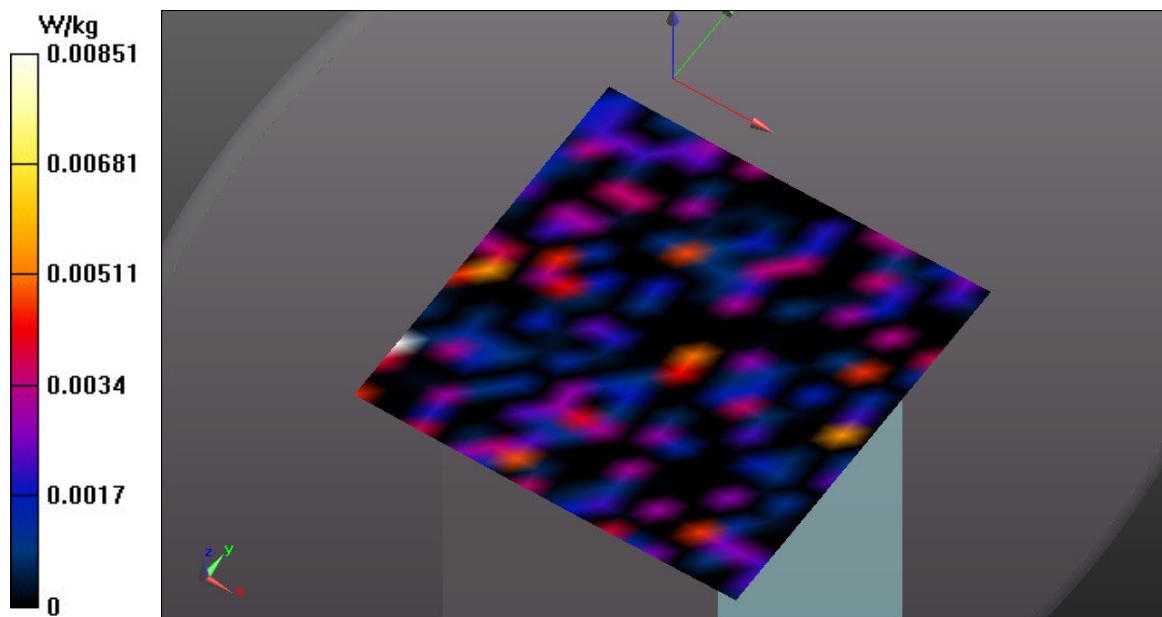
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: EX3DV4 - SN3893; ConvF(5.13, 5.13, 5.13); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (19x19x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.00851 W/kg

Error: The area scan preceding 'Zoom Scan' does not have any maxima.





**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-5G-U-NII-2\_CH-52\_OFDM\_6MBit\_Flat\_front\_Holster\_0mm**

**DUT: i.roc Ci70; Type: PDA with WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EU; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium: HBBL3-6GHz Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.65$  S/m;  $\epsilon_r = 37.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

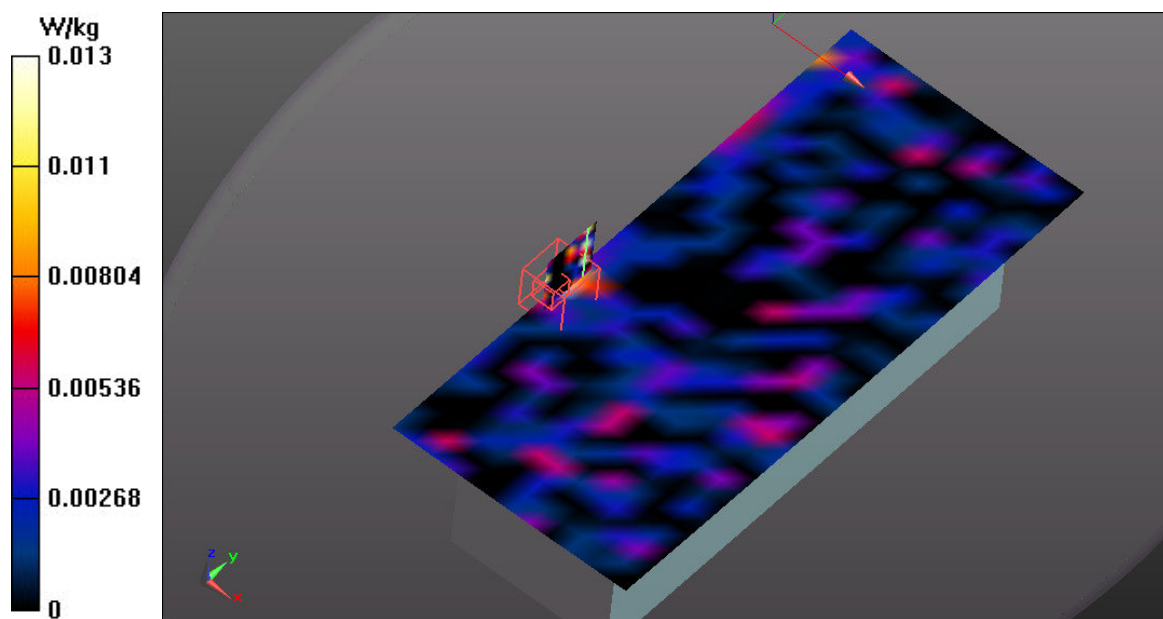
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: EX3DV4 - SN3893; ConvF(5.46, 5.46, 5.46); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (13x29x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.0134 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 0.084 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.00471 W/kg  
**SAR(1 g) = 2.35e-005 W/kg; SAR(10 g) = 3.93e-006 W/kg**  
Maximum value of SAR (measured) = 0.0182 W/kg





**Test Laboratory: Eurofins Product Service GmbH**

**WLAN-5G-U-NII-2e\_CH-120\_OFDM\_6MBit\_Flat\_front\_Holster\_0mm**

**DUT: i.roc Ci70; Type: PDA with WLAN 2.4G/5G; Serial: Sample1**

Communication System: UID 0 - n/a, WLAN 2.4G / 5G EU; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium: HBBL3-6GHz Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.93$  S/m;  $\epsilon_r = 36.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY5.2 Configuration:**

- Probe: EX3DV4 - SN3893; ConvF(5.13, 5.13, 5.13); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 13.09.2012
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP: 1013
- Measurement SW: DASYS2, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Configuration/i.roc Ci70/Area Scan (13x29x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.0306 W/kg

**Configuration/i.roc Ci70/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 0.884 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 0.0300 W/kg  
**SAR(1 g) = 0.000449 W/kg; SAR(10 g) = 0.000136 W/kg**  
Maximum value of SAR (measured) = 0.0359 W/kg

