

A2 : TEST DATA

Date/Time: 11/03/04 17:25:46

Test Laboratory: Advance Data Technology

DWL-AG132 11a Bottom Mode 1 Ch 1

**DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5180 MHz**

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.32$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.29, 4.29, 4.29) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22 ; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 1 Low Channel/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.135 mW/g

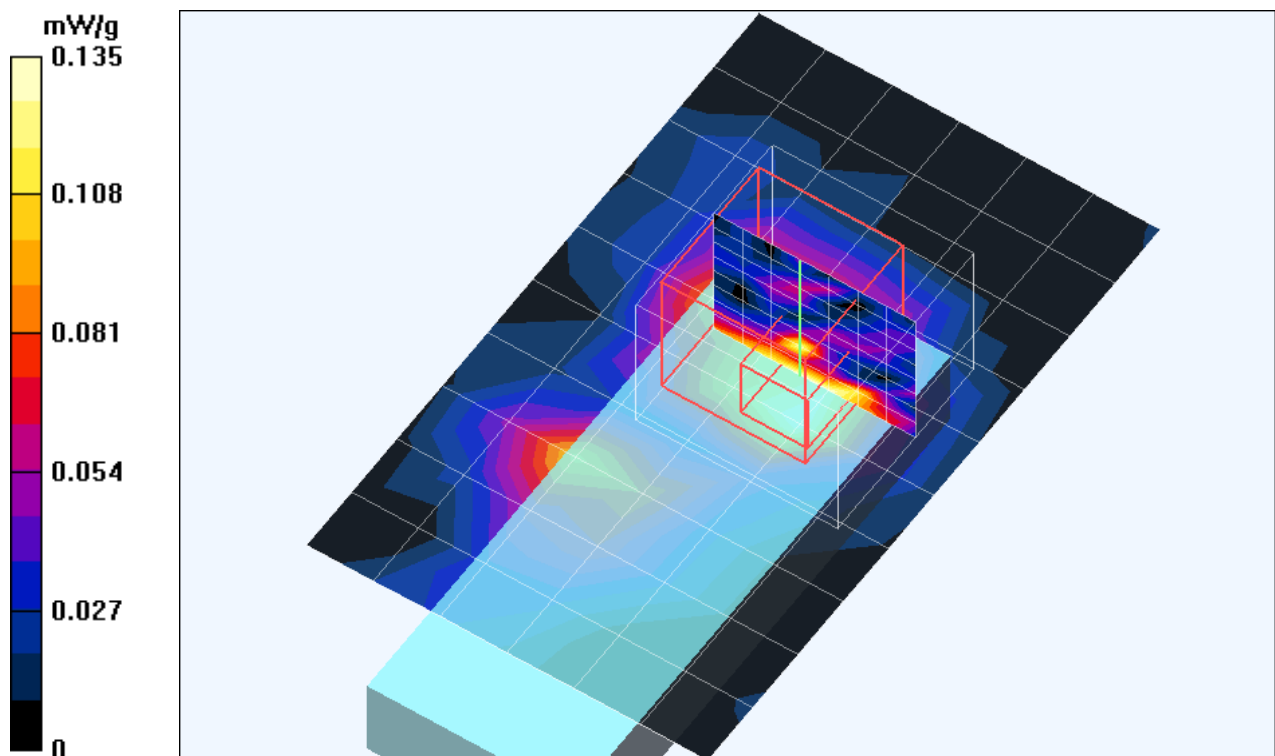
Band 1 Low Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.47 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 10155441.0 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.00805 mW/g

Maximum value of SAR (measured) = 0.145 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Bottom Mode 1 Ch 4

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ; Test Frequency: 5240 MHz

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 5.4 \text{ mho/m}$; $\epsilon_r = 47.1$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.29, 4.29, 4.29) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22 ; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 1 High Channel/Area Scan (7x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.230 mW/g

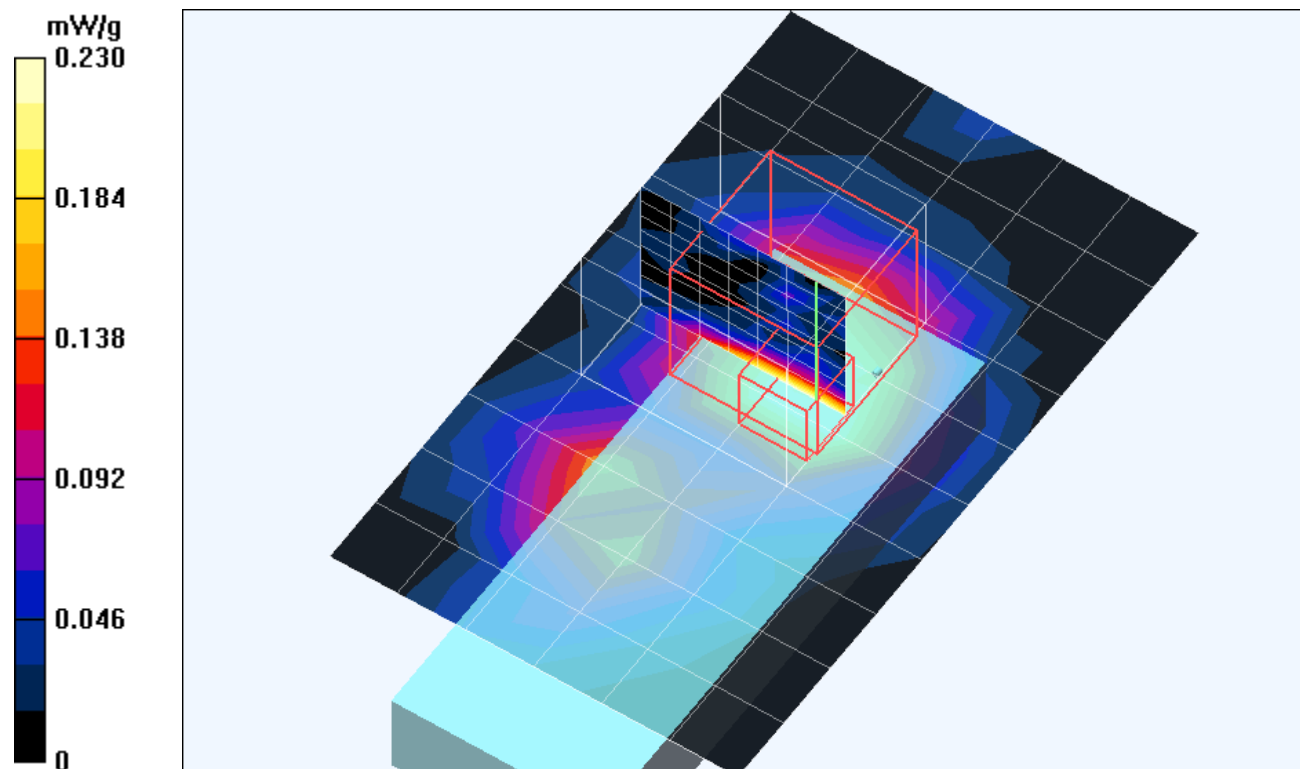
Band 1 High Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 3.42 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 1393111.1 W/kg

SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.255 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Bottom Mode 1 Ch 5

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.43 \text{ mho/m}$; $\epsilon_r = 47.2$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.29, 4.29, 4.29) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22 ; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 2 Low Channel/Area Scan (7x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.239 mW/g

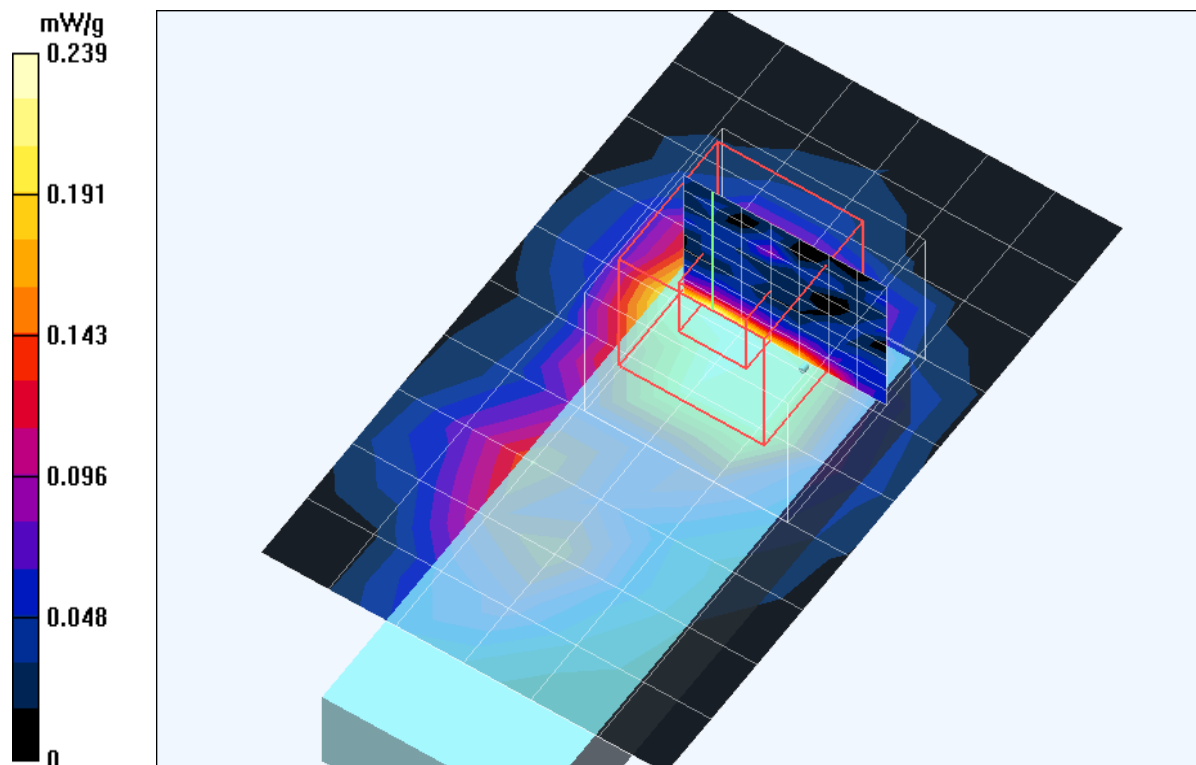
Band 2 Low Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 4.03 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 3334010.4 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.272 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Bottom Mode 1 Ch 8

**DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5320 MHz**

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 5.52 \text{ mho/m}$; $\epsilon_r = 47.1$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.29, 4.29, 4.29) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22 ; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 2 High Channel/Area Scan (7x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.392 mW/g

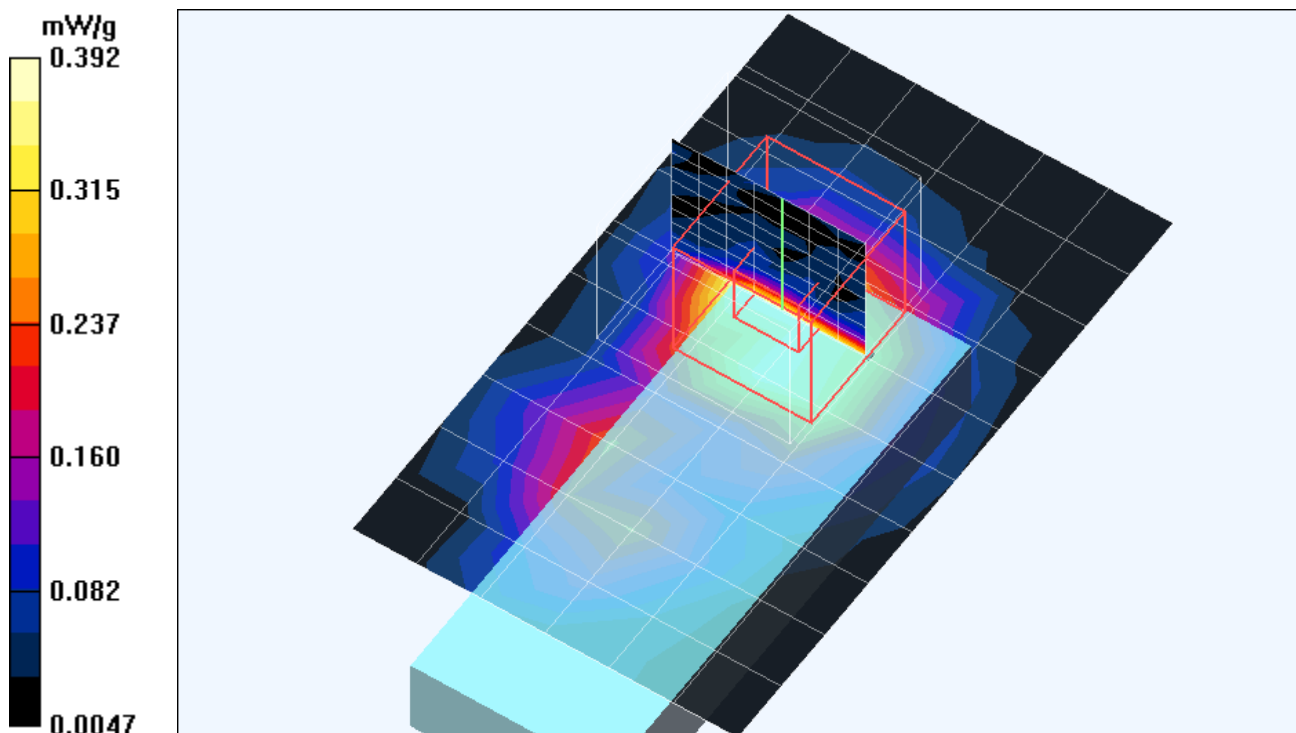
Band 2 High Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.32 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 6397567.0 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.053 mW/g

Maximum value of SAR (measured) = 0.468 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Bottom Mode 1 Ch 9

**DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5745 MHz**

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.11 \text{ mho/m}$; $\epsilon_r = 46.2$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(3.96, 3.96, 3.96) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22 ; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 3 Low Channel/Area Scan (7x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.416 mW/g

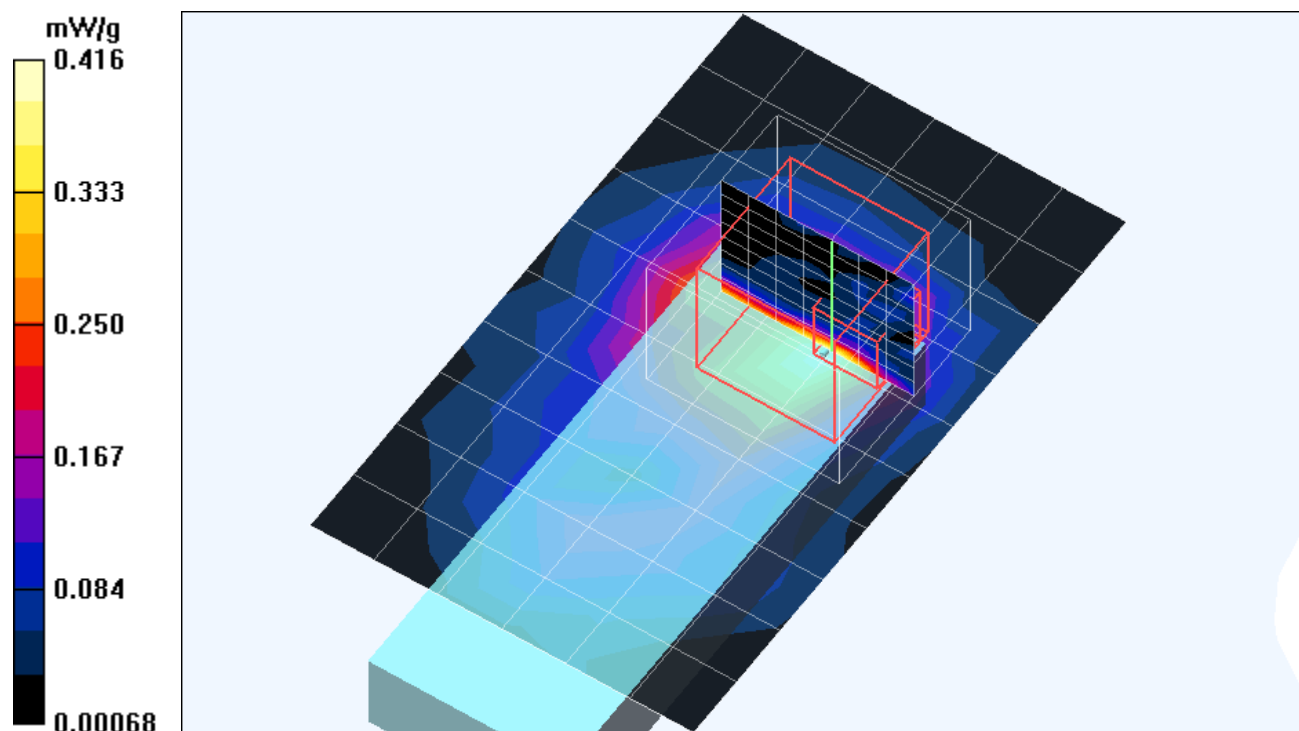
Band 3 Low Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.13 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 10313151.9 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.382 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Bottom Mode 1 Ch 11

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.16 \text{ mho/m}$; $\epsilon_r = 46.2$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(3.96, 3.96, 3.96) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22 ; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 3 Middle Channel/Area Scan (7x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.452 mW/g

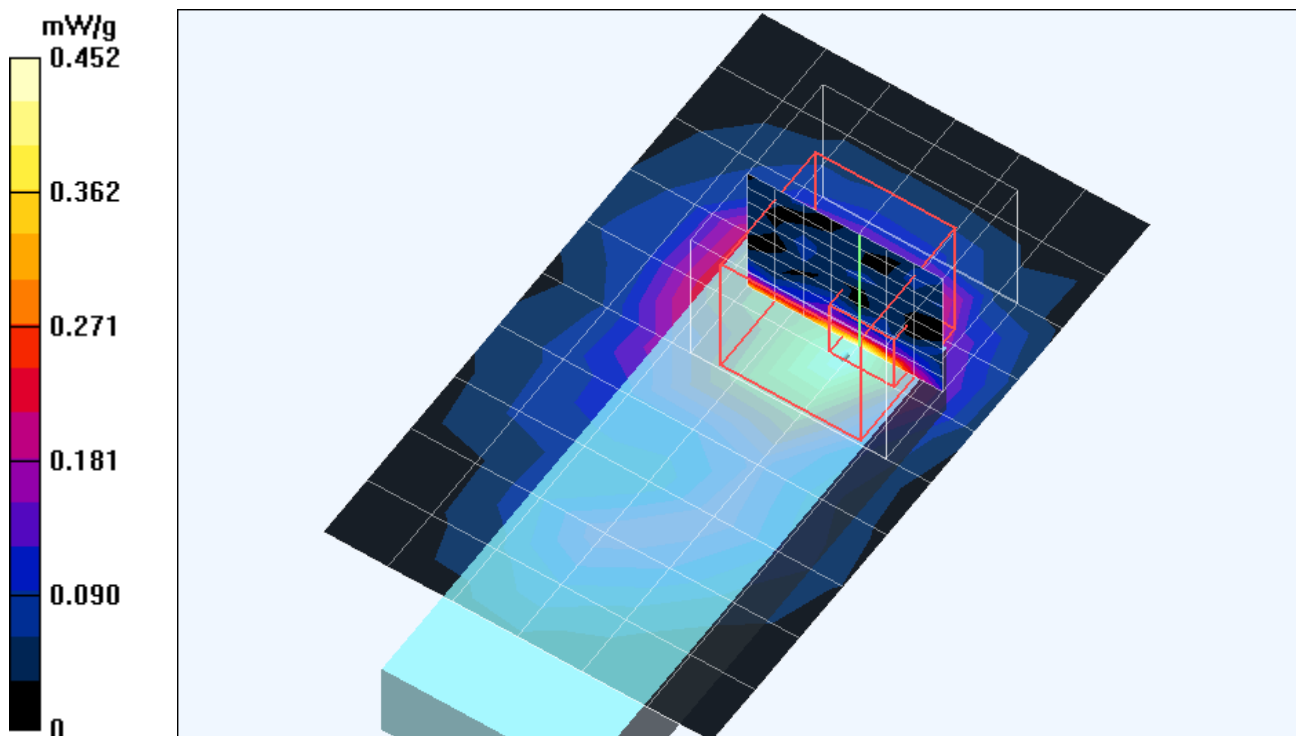
Band 3 Middle Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.8 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 4281793.2 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.460 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Bottom Mode 1 Ch 13

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5825 MHz

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.22 \text{ mho/m}$; $\epsilon_r = 46.1$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(3.96, 3.96, 3.96) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2004/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22 ; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 3 High Channel/Area Scan (7x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.449 mW/g

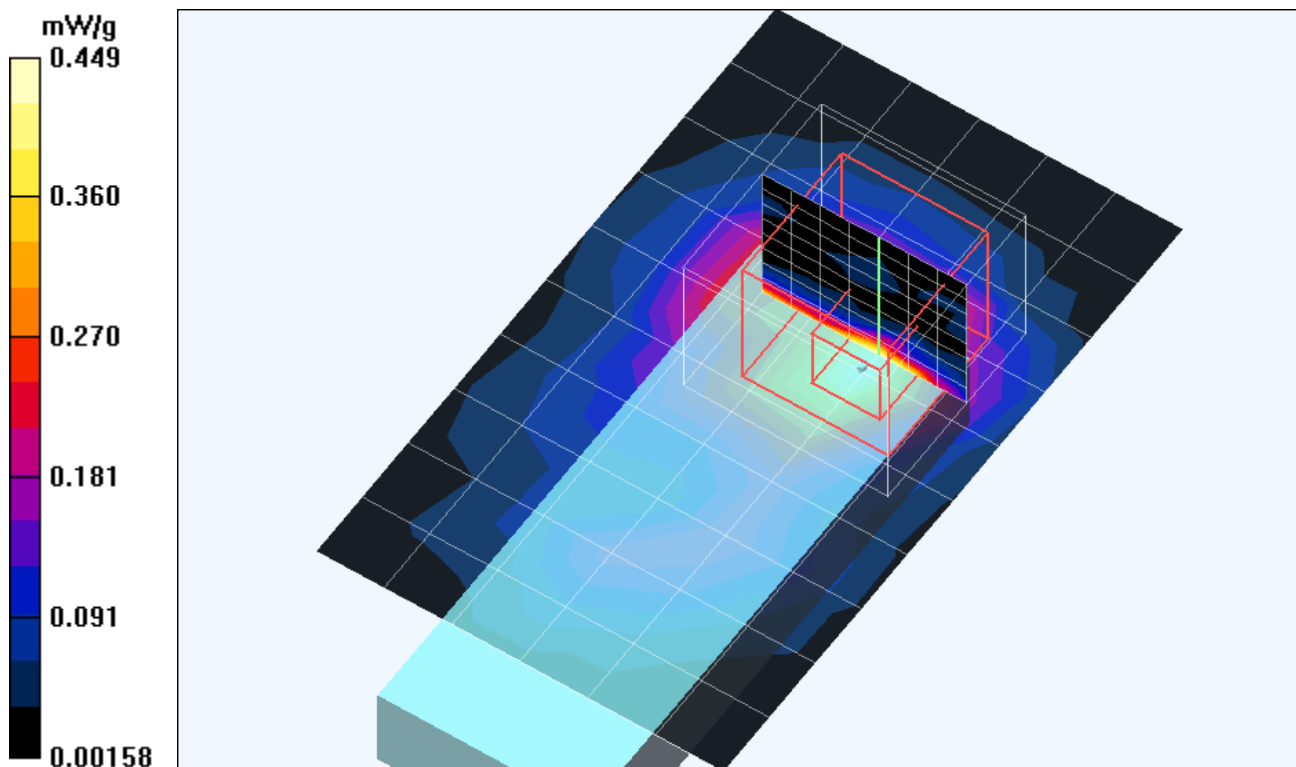
Band 3 High Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 6.14 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 10742746.0 W/kg

SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.462 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Tip Mode 2 Ch 1

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5180 MHz

Communication System: 802.11a ; Frequency: 5180 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.32 \text{ mho/m}$; $\epsilon_r = 47.3$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 0 mm (The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.29, 4.29, 4.29) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2004/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 1 Low Channel/Area Scan (9x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (measured) = 0.300 mW/g

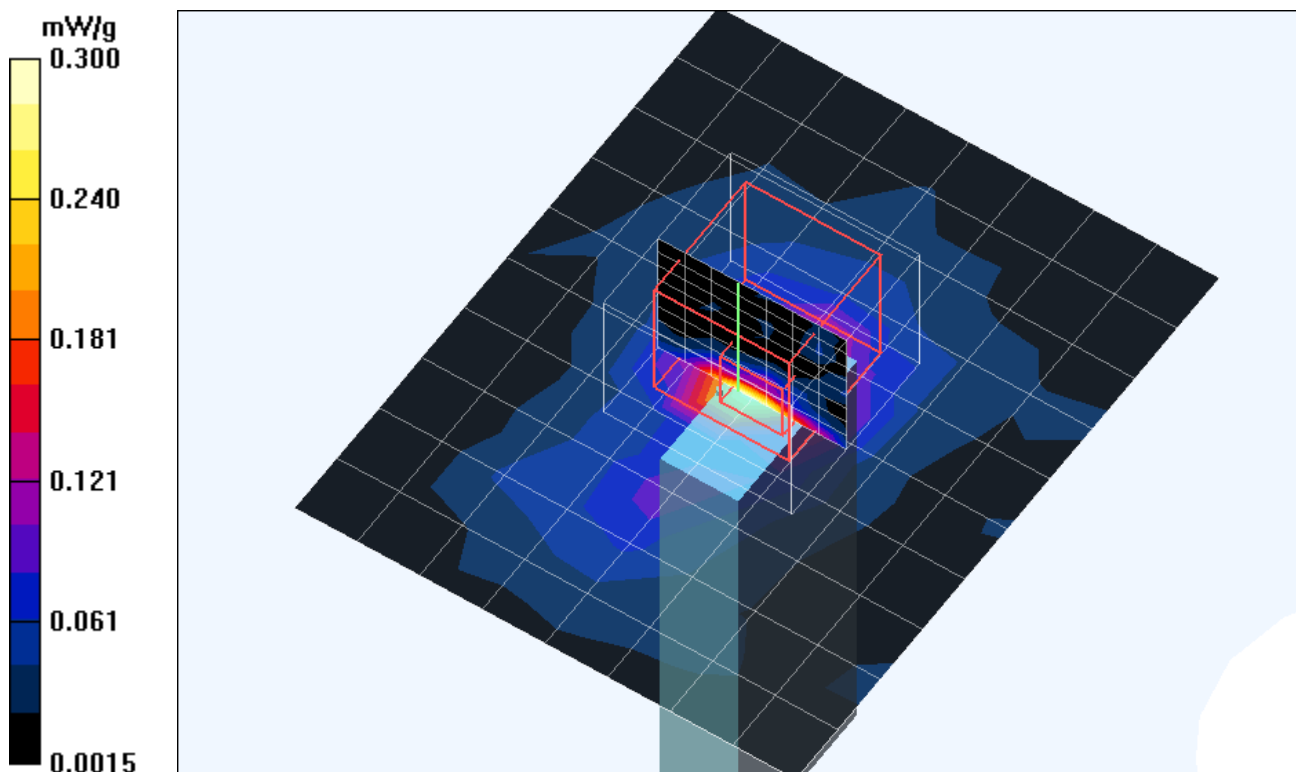
Band 1 Low Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$,
 $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 7.25 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 7693133.2 W/kg

SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.285 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Tip Mode 2 Ch 4

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5240 MHz

Communication System: 802.11a ; Frequency: 5240 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 47.1$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 0 mm (The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.29, 4.29, 4.29) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2004/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 1 High Channel/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.653 mW/g

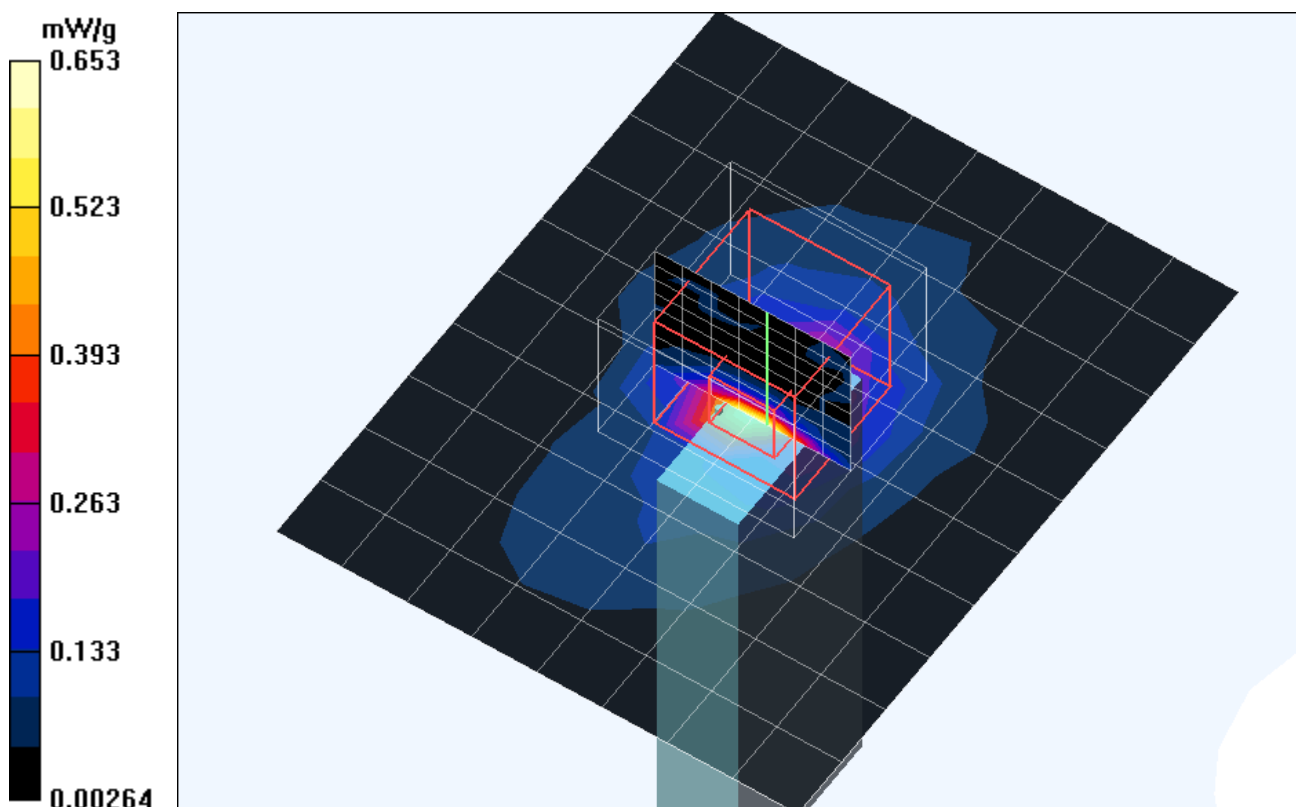
Band 1 High Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 11.7 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 9.05 W/kg

SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.651 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Tip Mode 2 Ch 5

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.43$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 0 mm (The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.29, 4.29, 4.29) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2004/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 2 Low Channel/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.658 mW/g

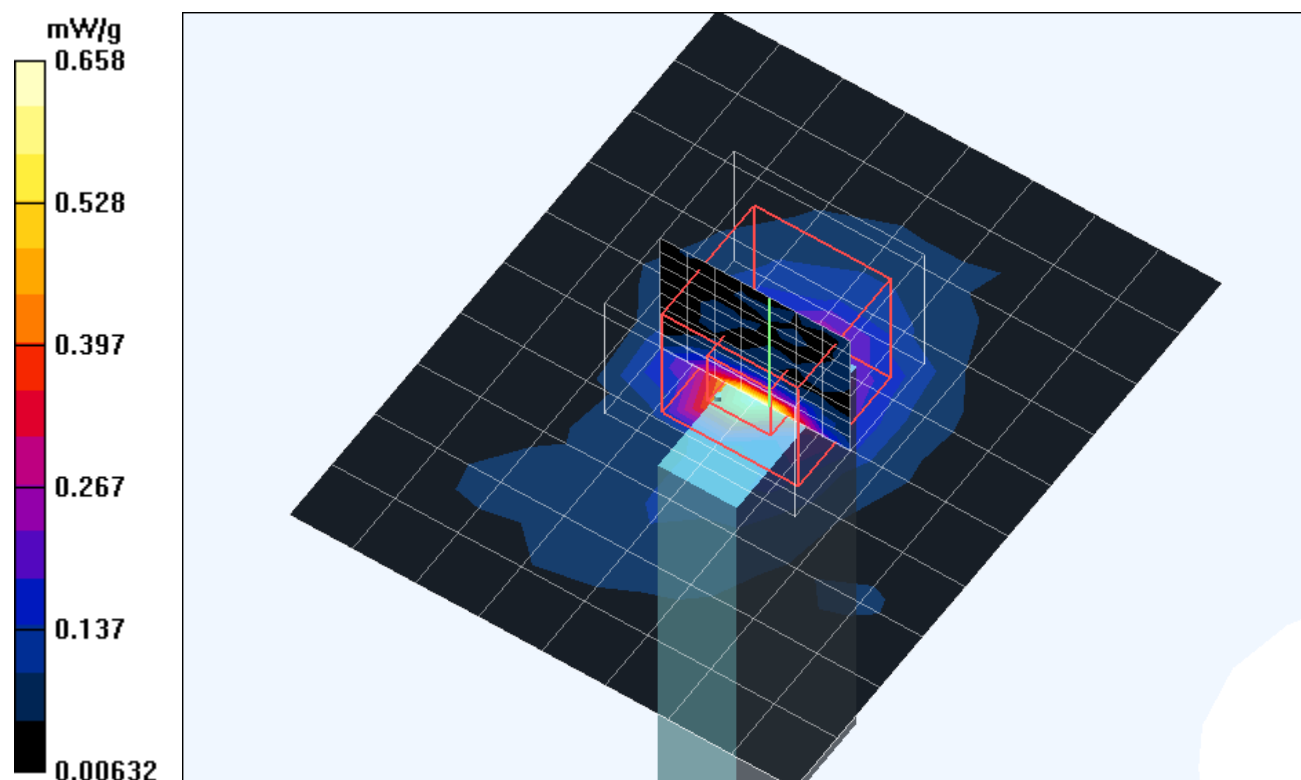
Band 2 Low Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.6 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 23636355.7 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.680 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Tip Mode 2 Ch 8

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.52$ mho/m; $\epsilon_r = 47.1$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 0 mm (The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.29, 4.29, 4.29) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2004/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 2 High Channel/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 1.24 mW/g

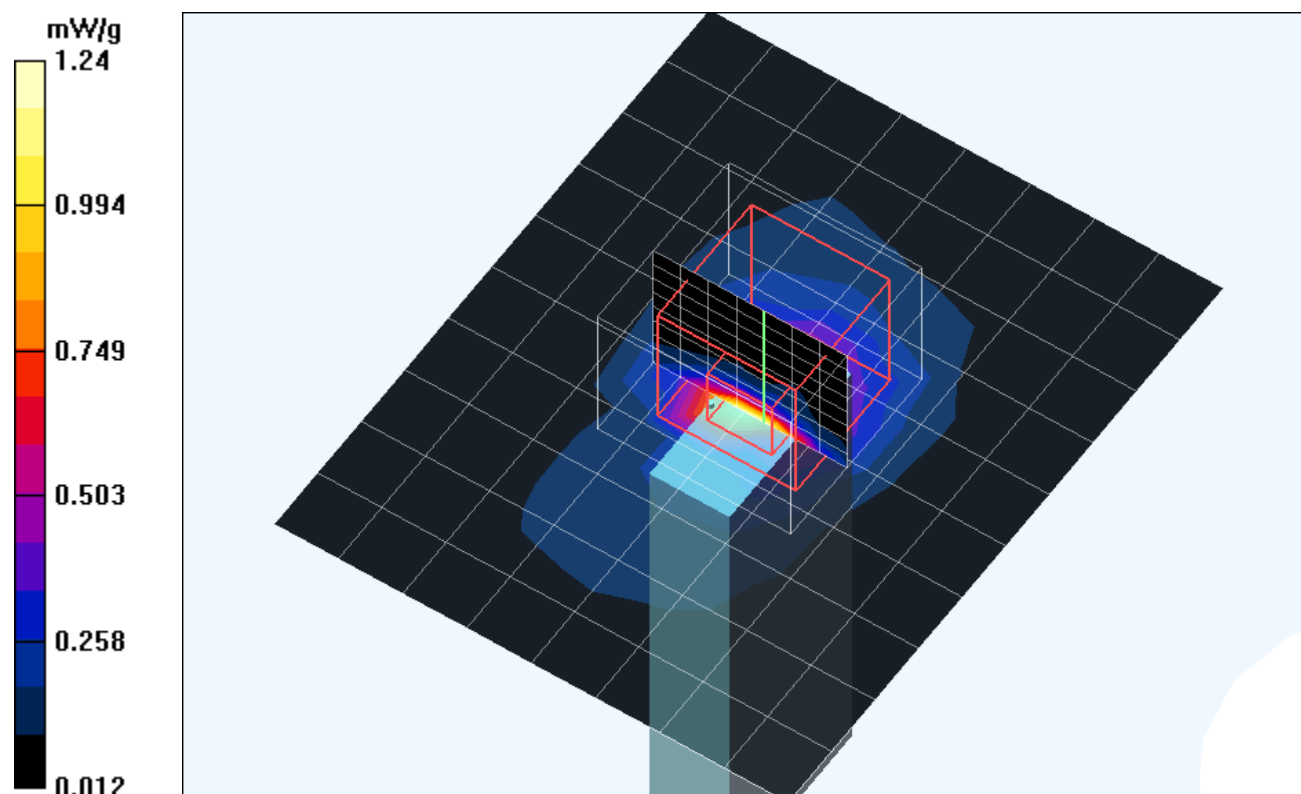
Band 2 High Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 16.2 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 3.32 W/kg

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 1.27 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Tip Mode 2 Ch 9

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.11 \text{ mho/m}$; $\epsilon_r = 46.2$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 0 mm (The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(3.96, 3.96, 3.96) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2004/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 3 Low Channel/Area Scan (9x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (measured) = 1.02 mW/g

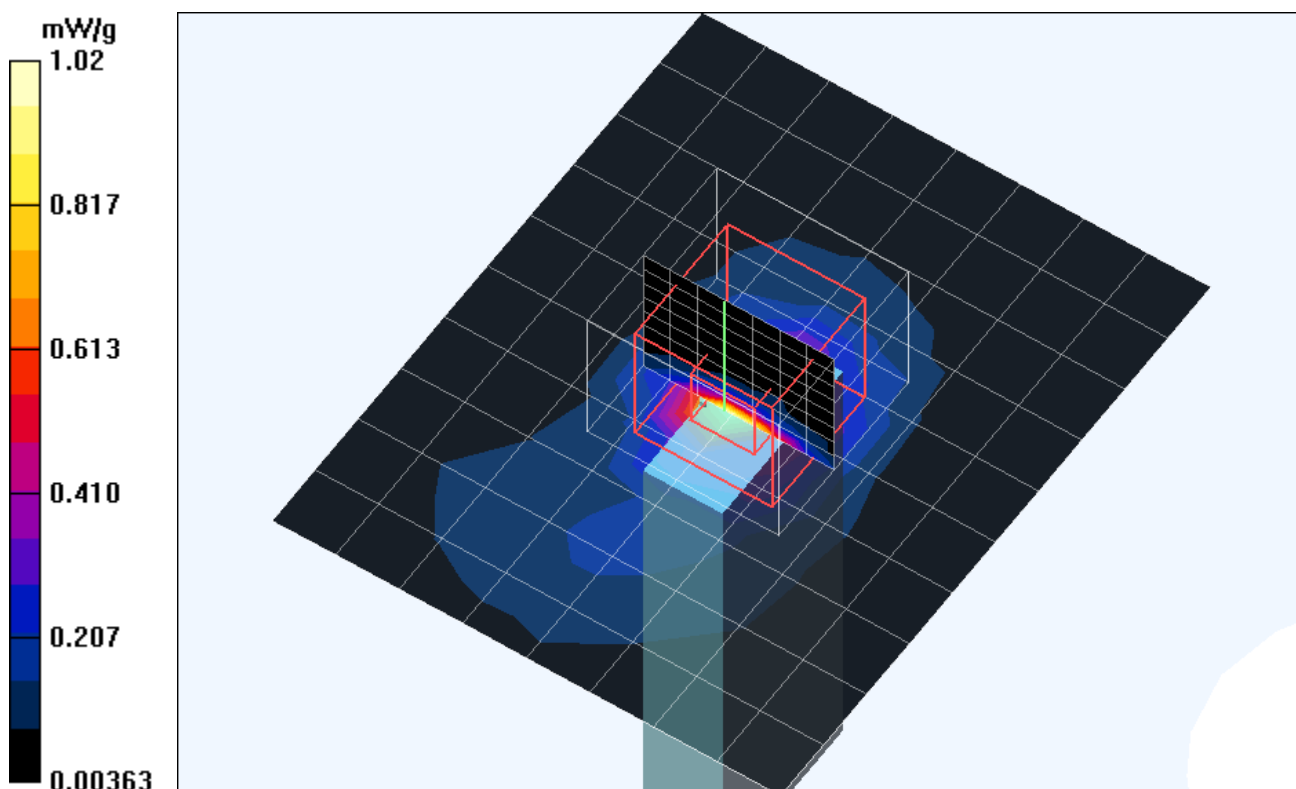
Band 3 Low Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 13.5 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 360116.0 W/kg

SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Tip Mode 2 Ch 11

DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.16 \text{ mho/m}$; $\epsilon_r = 46.2$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 0 mm (The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(3.96, 3.96, 3.96) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2004/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 3 Middle Channel/Area Scan (9x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (measured) = 1.07 mW/g

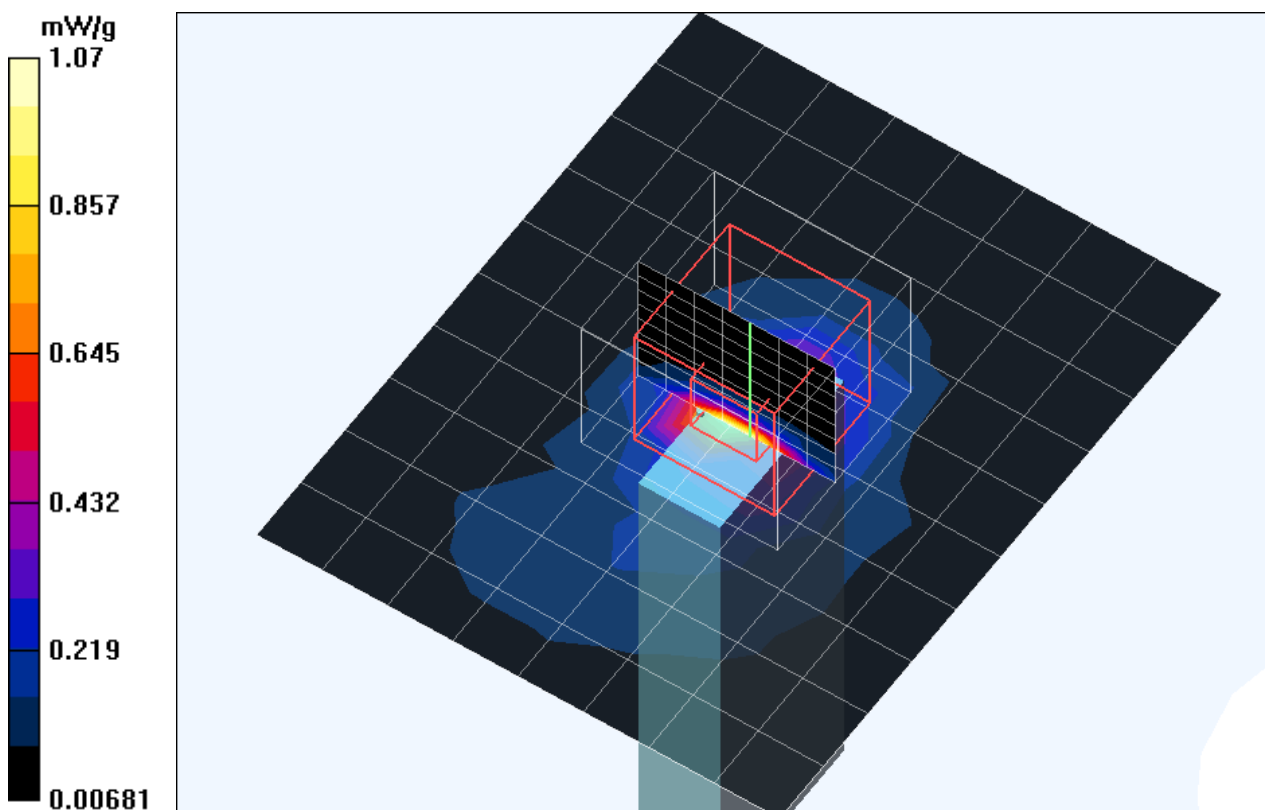
Band 3 Middle Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 12.5 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 5.91 W/kg

SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 1.03 mW/g



Test Laboratory: Advance Data Technology

DWL-AG132 11a Tip Mode 2 Ch 13

**DUT: D-Link AirPremier AG DWL-AG132 Wireless USB Adapter ; Type: DWL-AG132 ;
Test Frequency: 5825 MHz**

Communication System: 802.11a ; Frequency: 5825 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 0 mm (The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(3.96, 3.96, 3.96) ; Calibrated: 2004/2/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2004/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Band 3 High Channel/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.04 mW/g

Band 3 High Channel/Zoon Scan (8x8x9)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 14.7 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 2308298.4 W/kg

SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 1.09 mW/g

