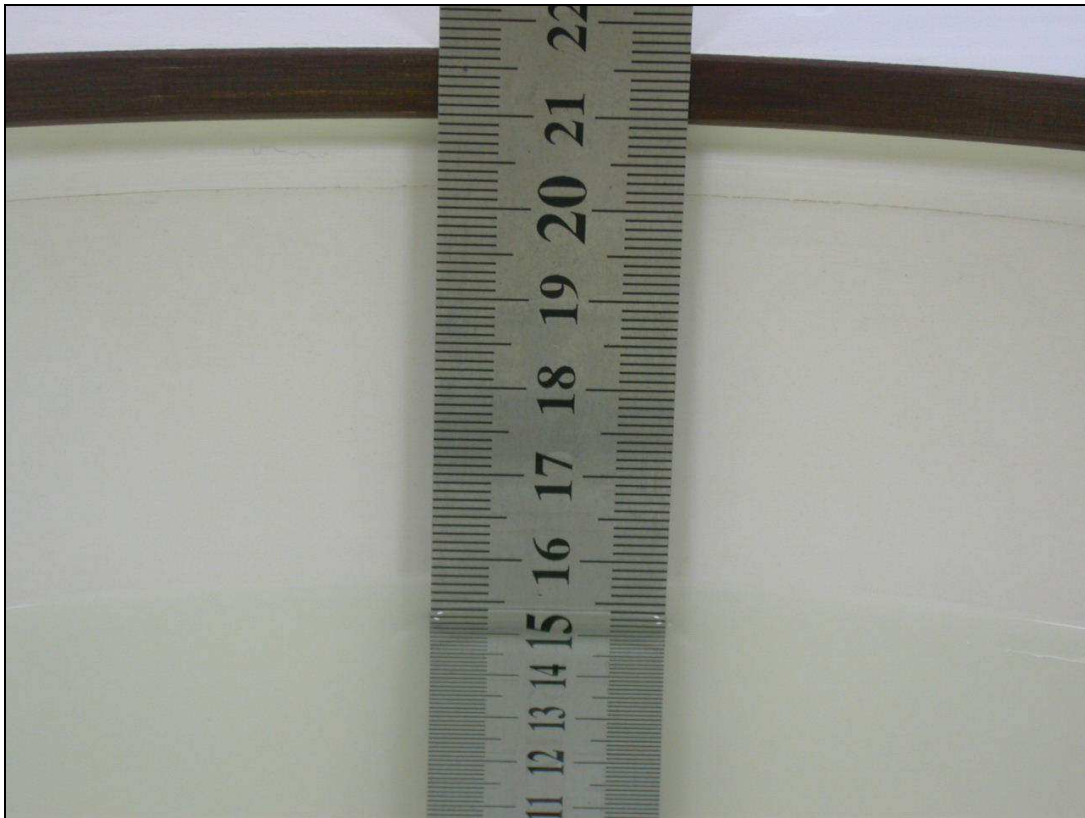


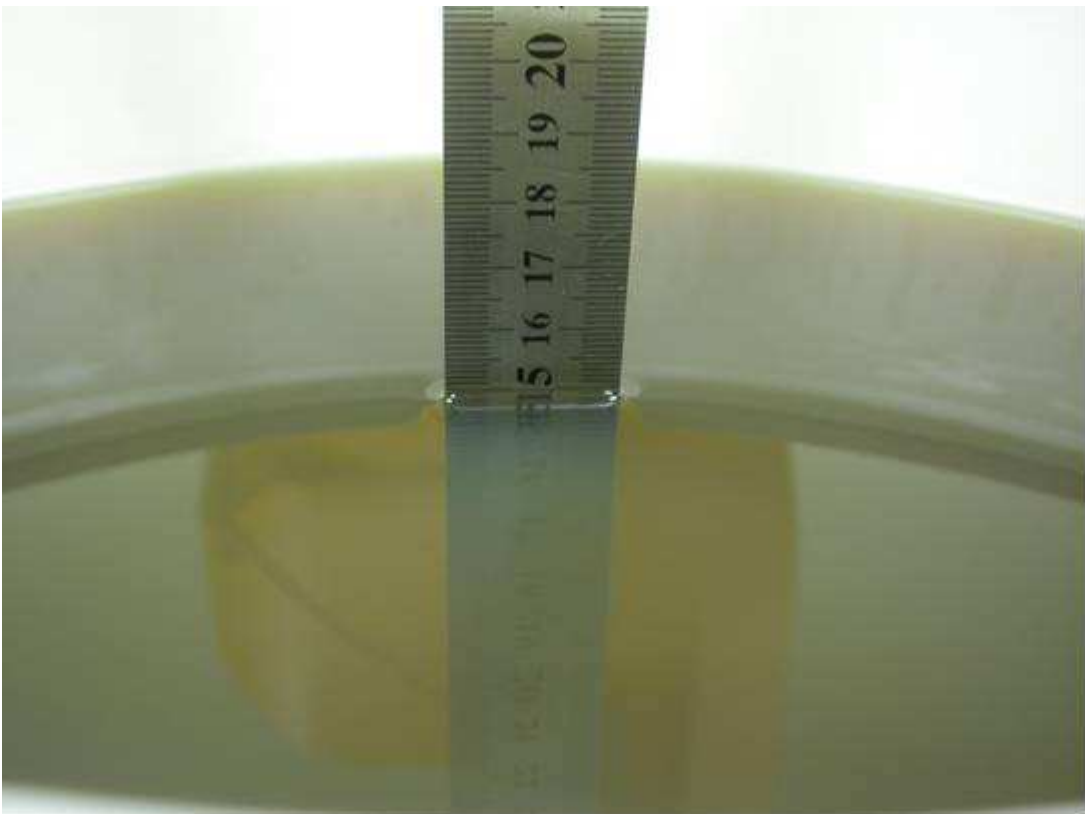
# APPENDIX A: TEST DATA

## Liquid Level Photo

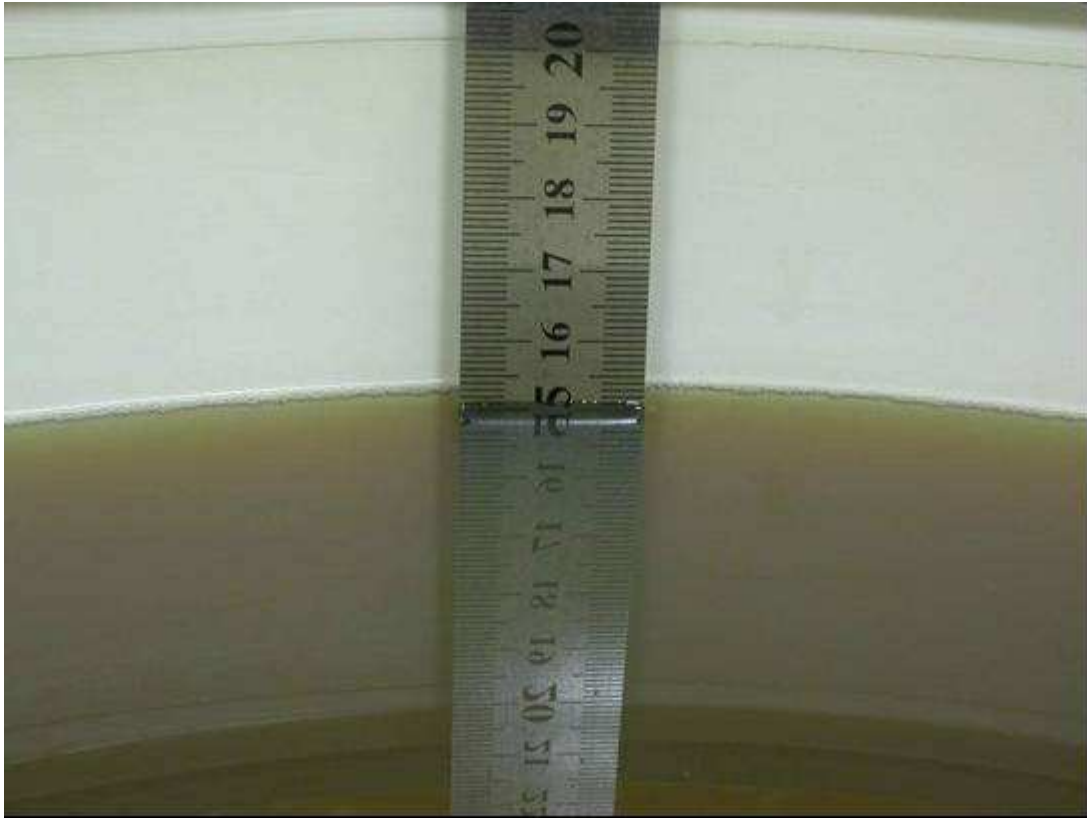
MSL 2450MHz D=154mm



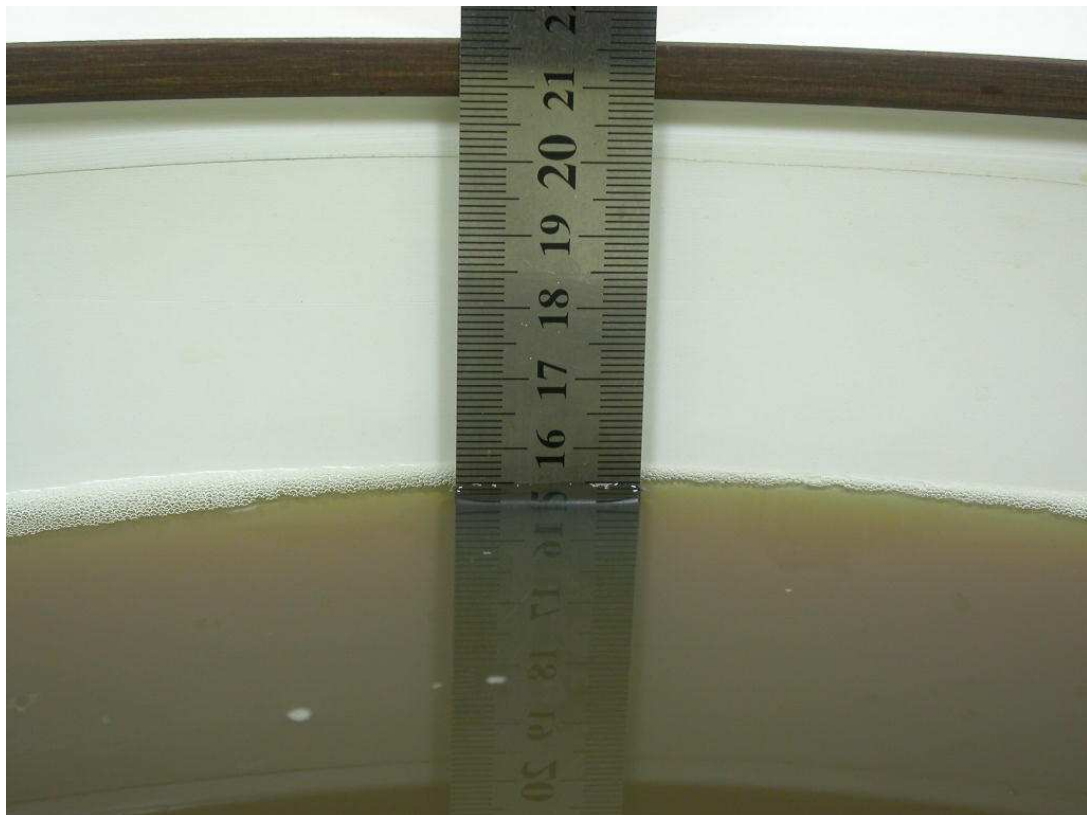
MSL 5800MHz D=150mm



**MSL 5800MHz D=151mm**



**MSL 5800MHz D=155mm**



Test Laboratory: Advance Data Technology

**N800C-11b-CH 1-M01**

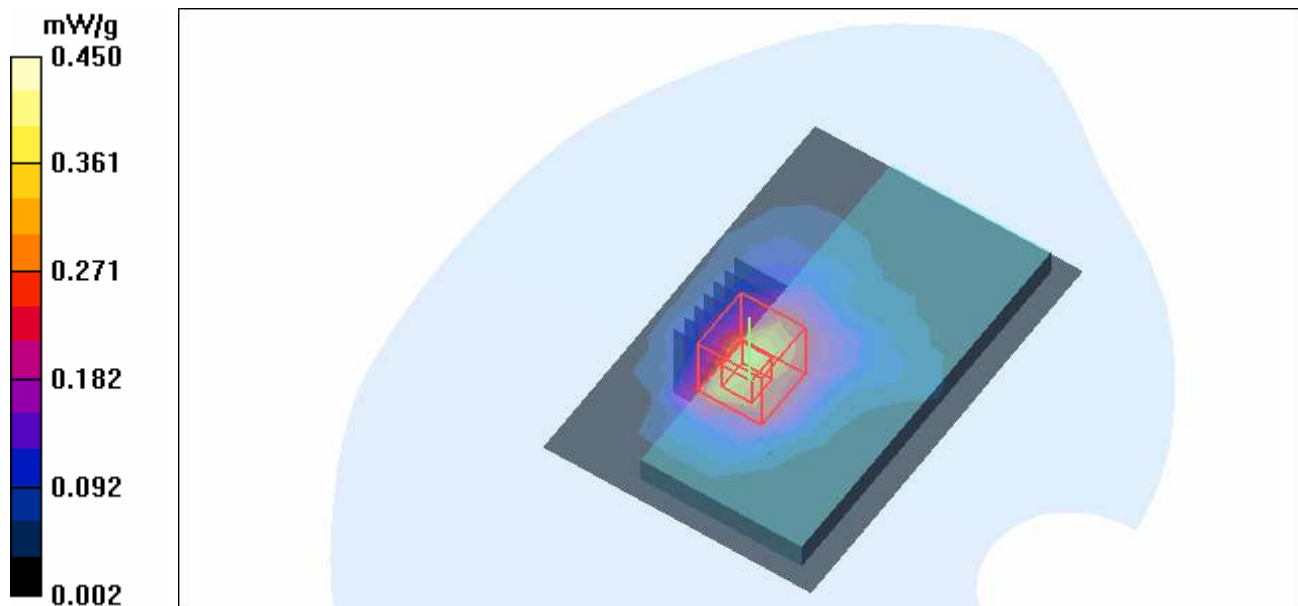
**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2412 MHz**  
 Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK  
 Medium: MSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm  
 Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)  
 Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

**DASY4 Configuration:**

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Low Channel 1/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.407 mW/g

**Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 11.3 V/m  
 Peak SAR (extrapolated) = 1.01 W/kg  
**SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.209 mW/g**  
 Maximum value of SAR (measured) = 0.450 mW/g



Test Laboratory: Advance Data Technology

**N800C-11b-CH 6-M01**

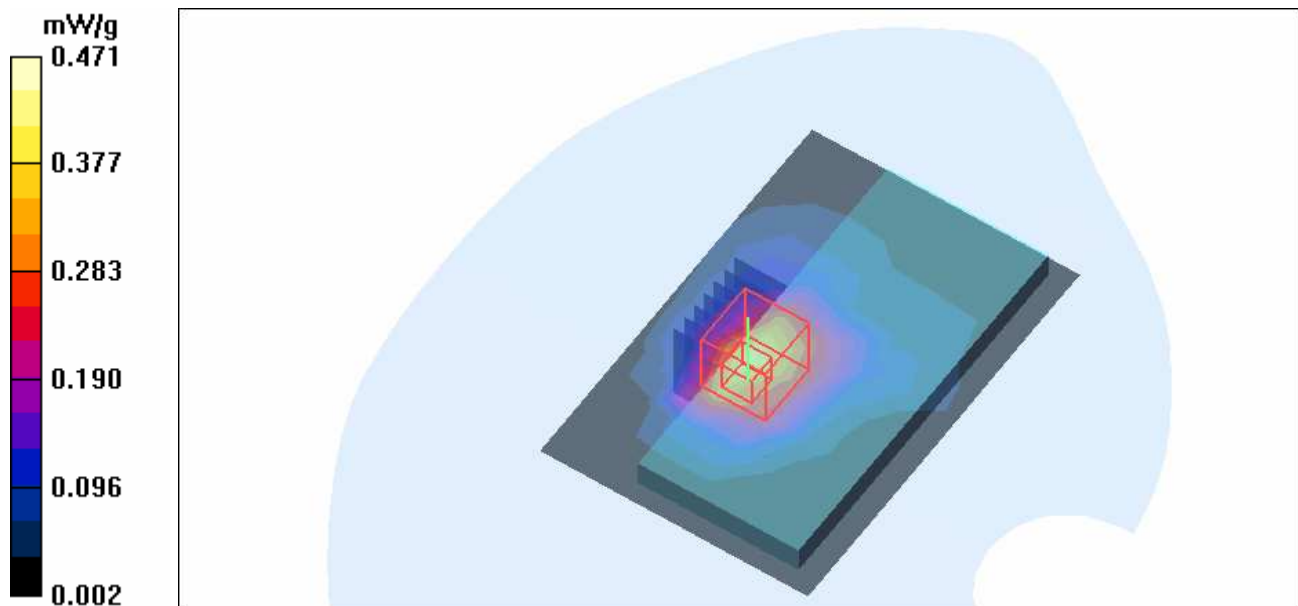
**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**  
 Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK  
 Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm  
 Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)  
 Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 6/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.426 mW/g

**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 11.6 V/m  
 Peak SAR (extrapolated) = 1.06 W/kg  
**SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.219 mW/g**  
 Maximum value of SAR (measured) = 0.471 mW/g



Test Laboratory: Advance Data Technology

**N800C-11b-CH 11-M01**

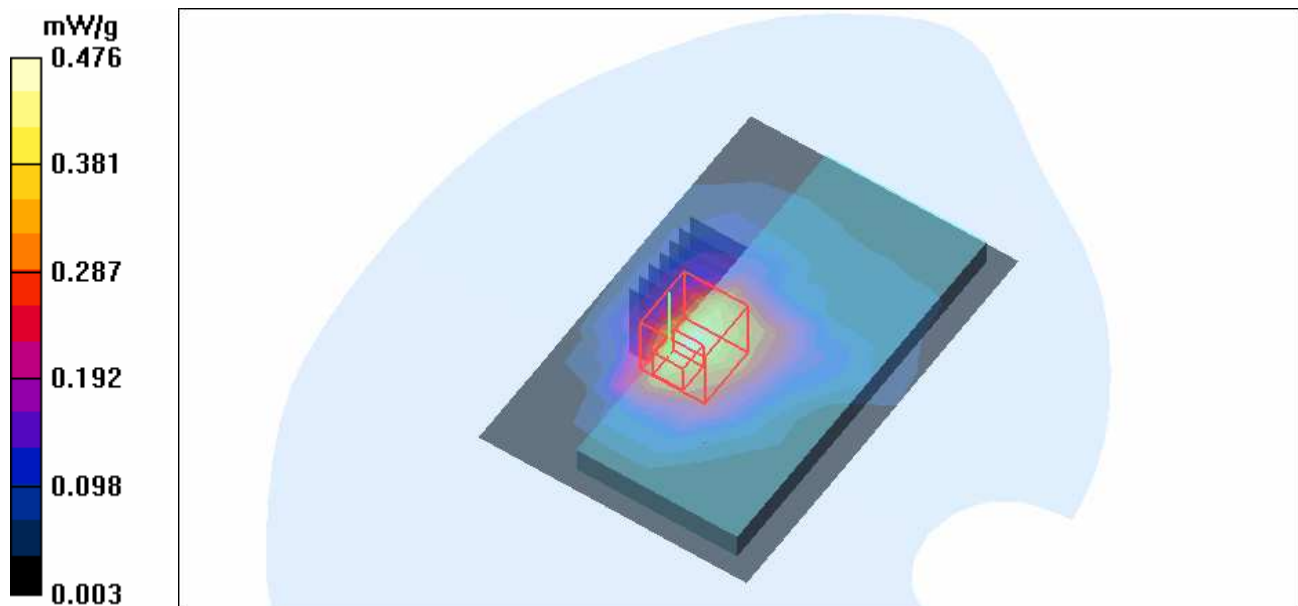
**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2462 MHz**  
 Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK  
 Medium: MSL2450 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.04 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 154 mm  
 Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)  
 Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

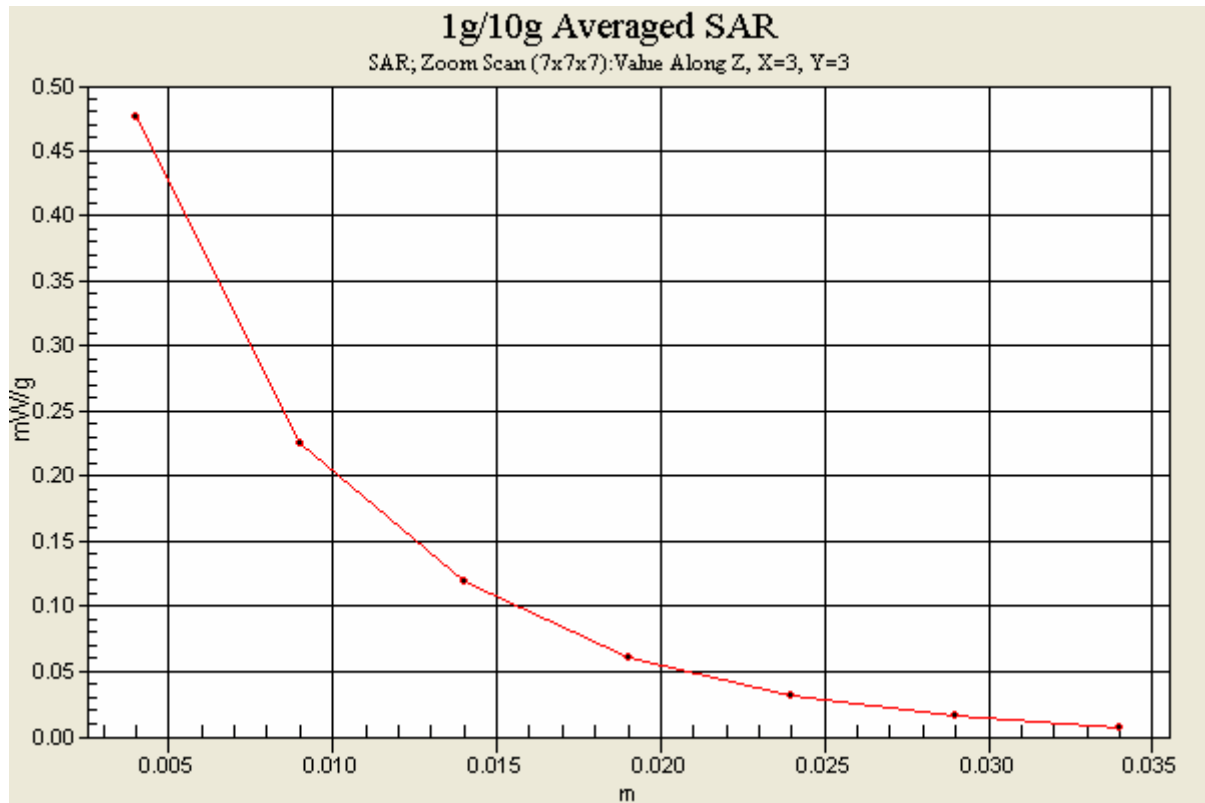
DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 11/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (measured) = 0.430 mW/g

**High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 11.8 V/m  
 Peak SAR (extrapolated) = 1.07 W/kg  
**SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.221 mW/g**  
 Maximum value of SAR (measured) = 0.476 mW/g





Test Laboratory: Advance Data Technology

### N800C-11g-CH 1-M02

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2412 MHz**

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Low Channel 1/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.296 mW/g

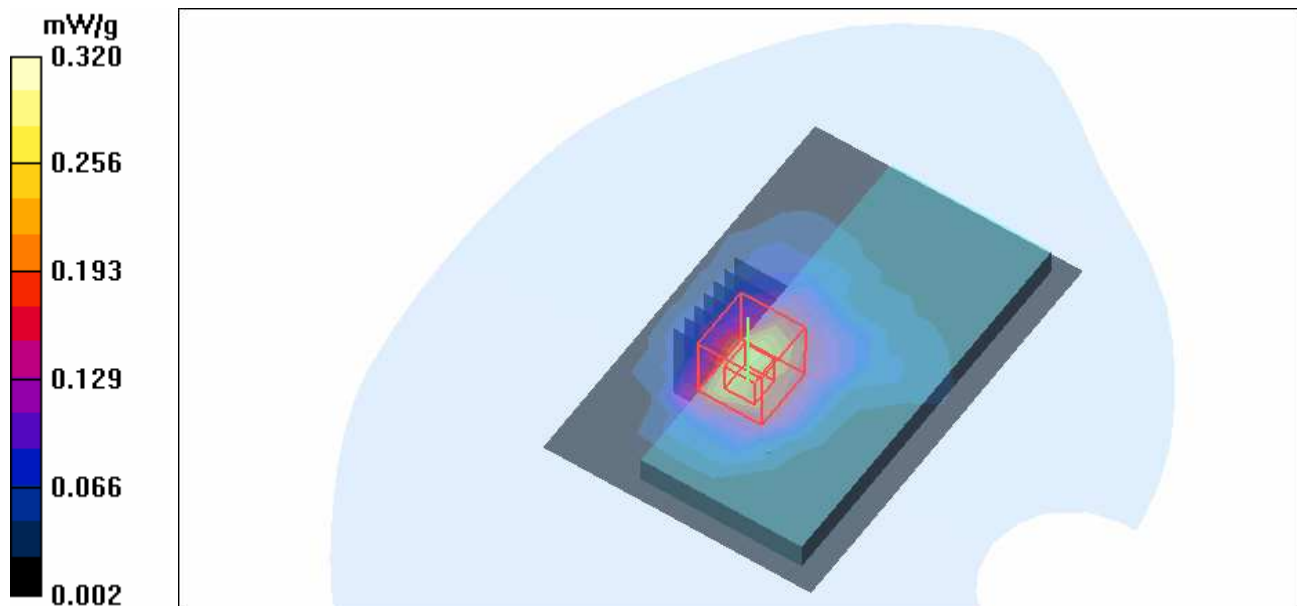
**Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.89 V/m

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.153 mW/g**

Maximum value of SAR (measured) = 0.320 mW/g



Test Laboratory: Advance Data Technology

**N800C-11g-CH 6-M02**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 2.01 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

**DASY4 Configuration:**

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 6/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.307 mW/g

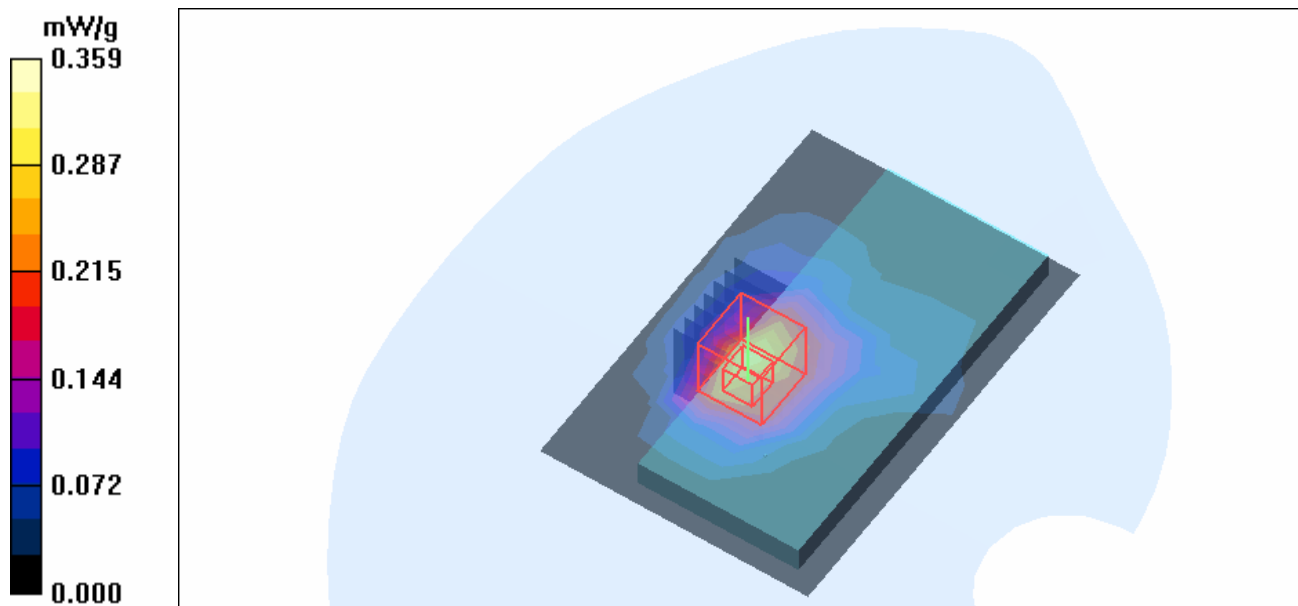
**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.7 V/m

Peak SAR (extrapolated) = 0.837 W/kg

**SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.165 mW/g**

Maximum value of SAR (measured) = 0.359 mW/g





Test Laboratory: Advance Data Technology

**N800C-11g-CH 11-M02**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2462 MHz**

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$

$\text{kg/m}^3$  ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 11/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.305 mW/g

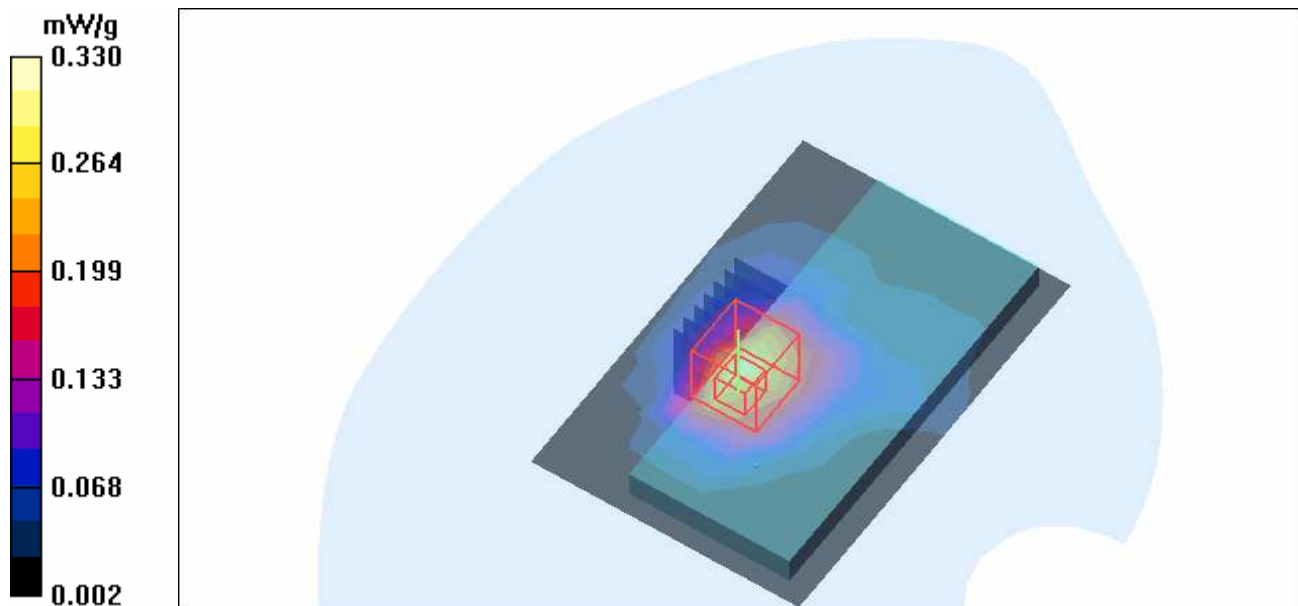
**High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.89 V/m

Peak SAR (extrapolated) = 0.720 W/kg

**SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.157 mW/g**

Maximum value of SAR (measured) = 0.330 mW/g



Test Laboratory: Advance Data Technology

**N800C-2.4G 11n span 20MHz-CH 1-M03**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2412 MHz**

Communication System: 2.4G 11n span20 ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

**DASY4 Configuration:**

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Low Channel 1/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.286 mW/g

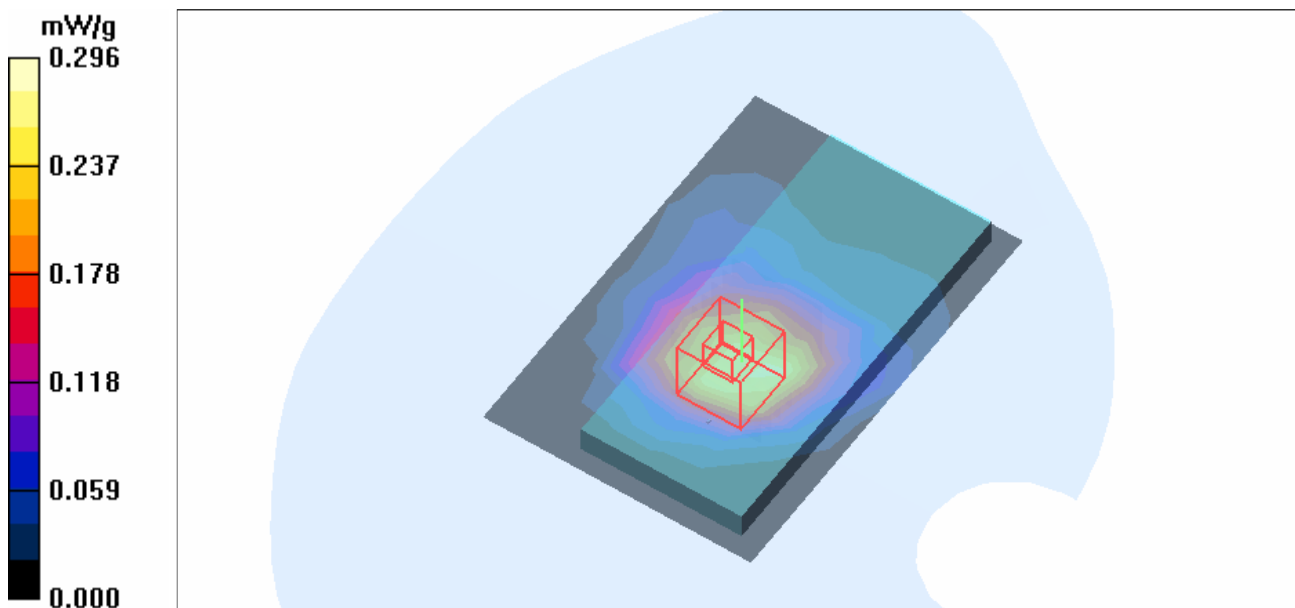
**Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.4 V/m

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.192 mW/g**

Maximum value of SAR (measured) = 0.296 mW/g



Test Laboratory: Advance Data Technology

### N800C-2.4G 11n span 20MHz-CH 6-M03

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 2.4G 11n span20 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 6/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.296 mW/g

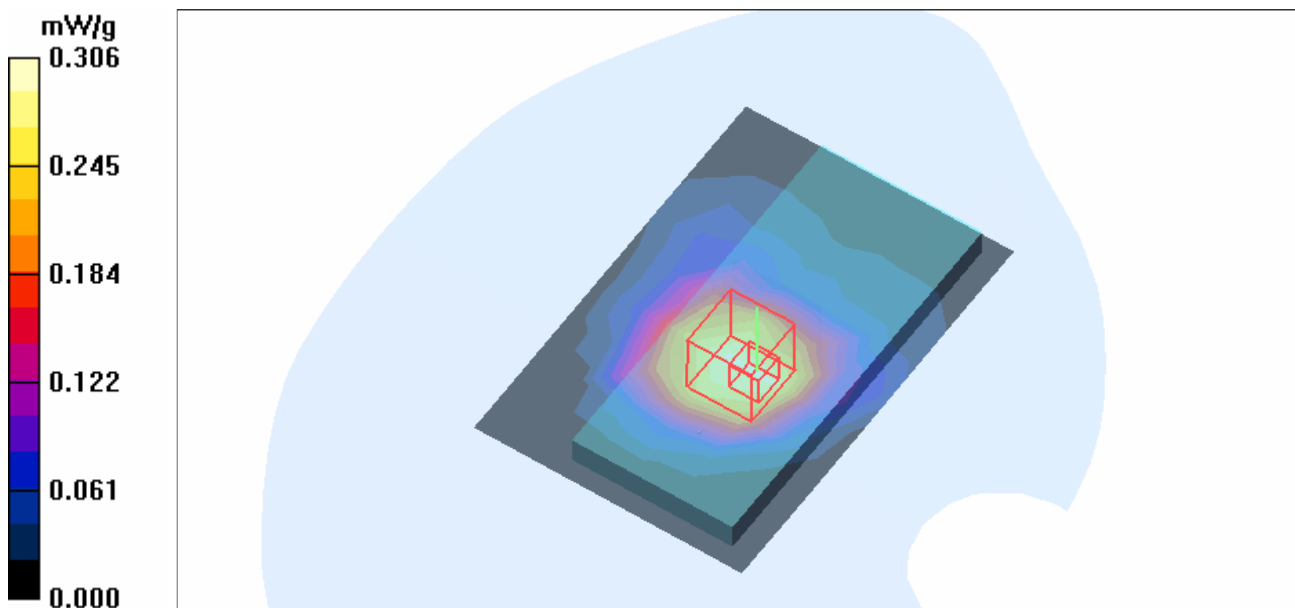
**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.5 V/m

Peak SAR (extrapolated) = 0.555 W/kg

**SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.198 mW/g**

Maximum value of SAR (measured) = 0.306 mW/g



Test Laboratory: Advance Data Technology

**N800C-2.4G 11n span 20MHz-CH 11-M03**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2462 MHz**

Communication System: 2.4G 11n span20 ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.04 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 11/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.294 mW/g

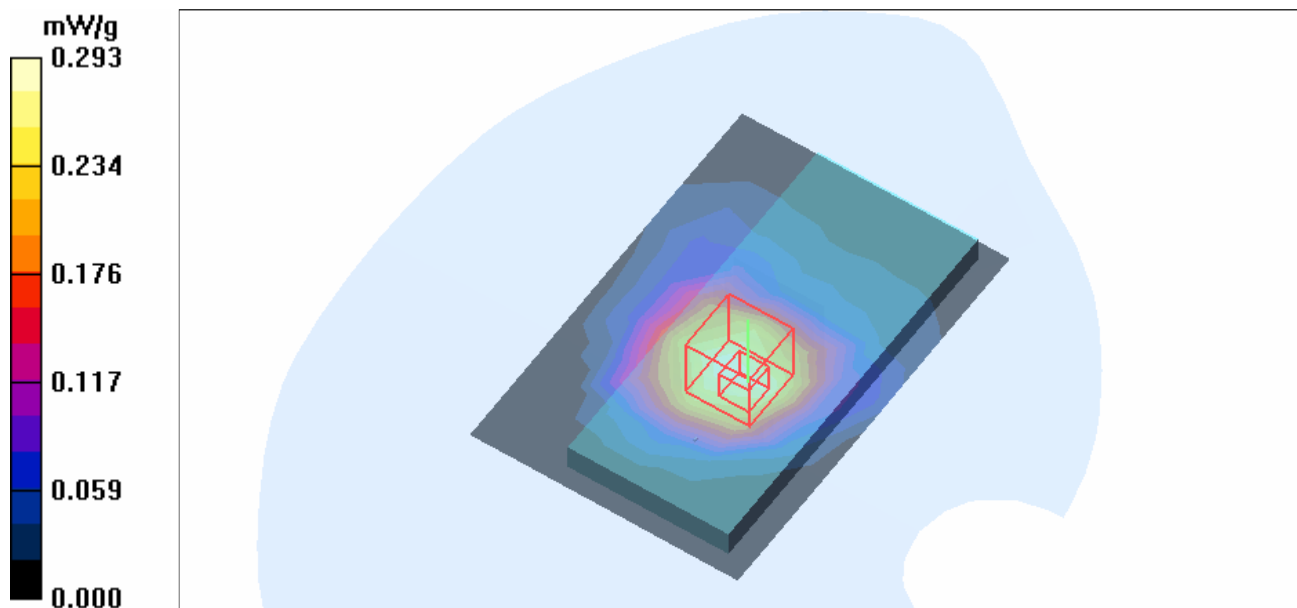
**High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.33 V/m

Peak SAR (extrapolated) = 0.528 W/kg

**SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.192 mW/g**

Maximum value of SAR (measured) = 0.293 mW/g



Test Laboratory: Advance Data Technology

**N800C-2.4G 11n span 40MHz-CH 1-M04**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2422 MHz**

Communication System: 2.4G 11n span40 ; Frequency: 2422 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2422 \text{ MHz}$ ;  $\sigma = 2 \text{ mho/m}$ ;  $\epsilon_r = 52.4$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

**DASY4 Configuration:**

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Low Channel 1/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.223 mW/g

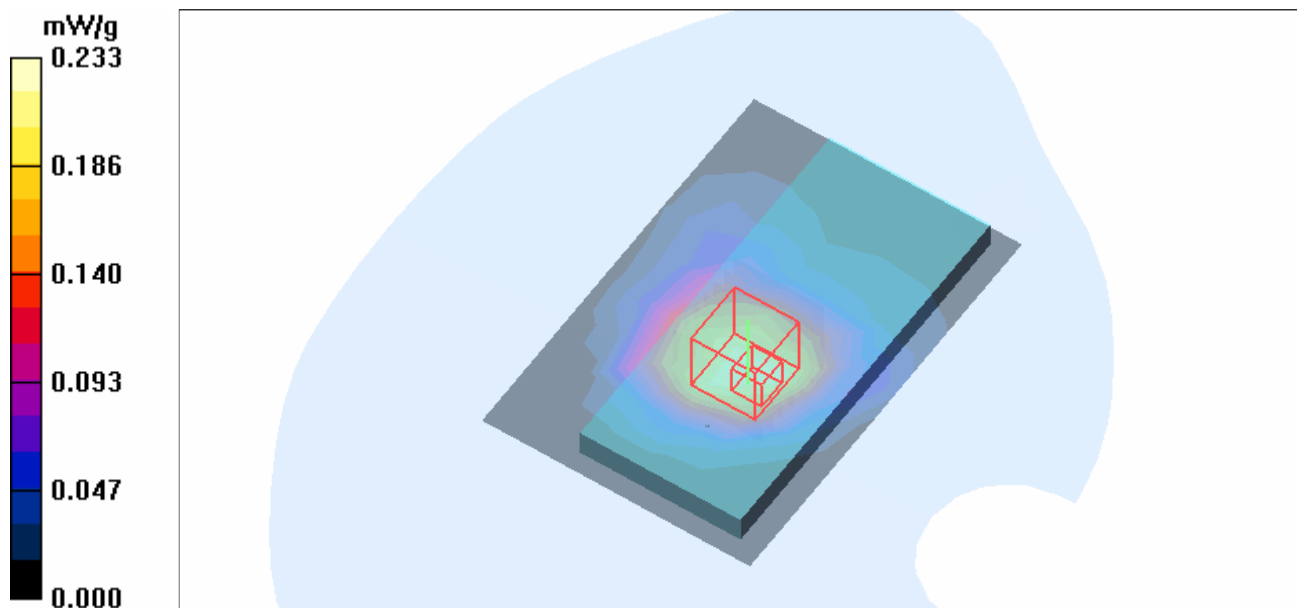
**Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.25 V/m

Peak SAR (extrapolated) = 0.392 W/kg

**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.167 mW/g**

Maximum value of SAR (measured) = 0.233 mW/g



Test Laboratory: Advance Data Technology

**N800C-2.4G 11n span 40MHz-CH 4-M04**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 2.4G 11n span40 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 4/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.262 mW/g

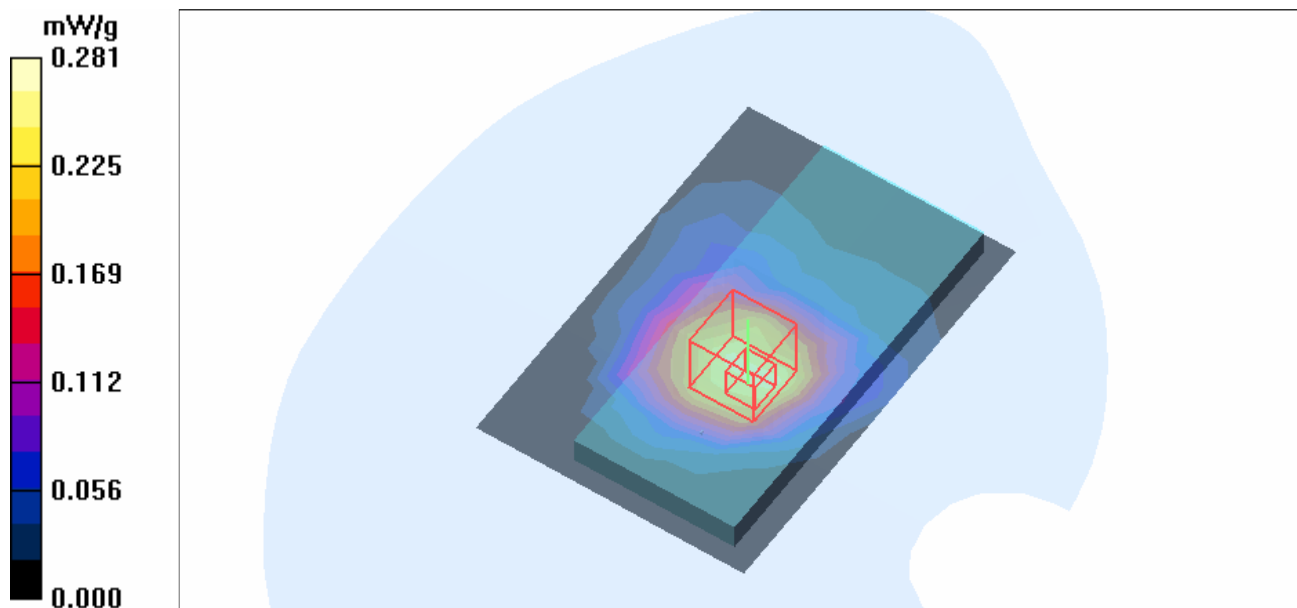
**Mid Channel 4/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.65 V/m

Peak SAR (extrapolated) = 0.513 W/kg

**SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.179 mW/g**

Maximum value of SAR (measured) = 0.281 mW/g



Test Laboratory: Advance Data Technology

**N800C-2.4G 11n span 40MHz-CH 7-M04**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2452 MHz**

Communication System: 2.4G 11n span40 ; Frequency: 2452 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2452 \text{ MHz}$ ;  $\sigma = 2.03 \text{ mho/m}$ ;  $\epsilon_r = 52.1$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 7/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.241 mW/g

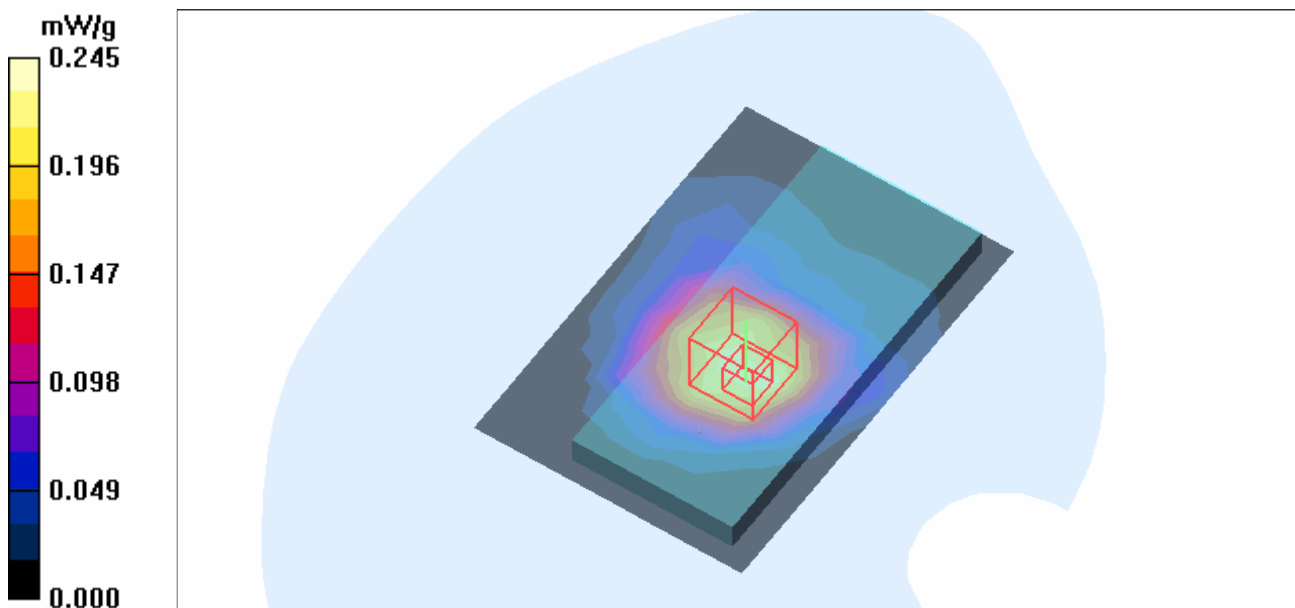
**High Channel 7/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.79 V/m

Peak SAR (extrapolated) = 0.443 W/kg

**SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.169 mW/g**

Maximum value of SAR (measured) = 0.245 mW/g



Test Laboratory: Advance Data Technology

### C600-11b-CH 11-M05

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2462 MHz**

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 11/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.287 mW/g

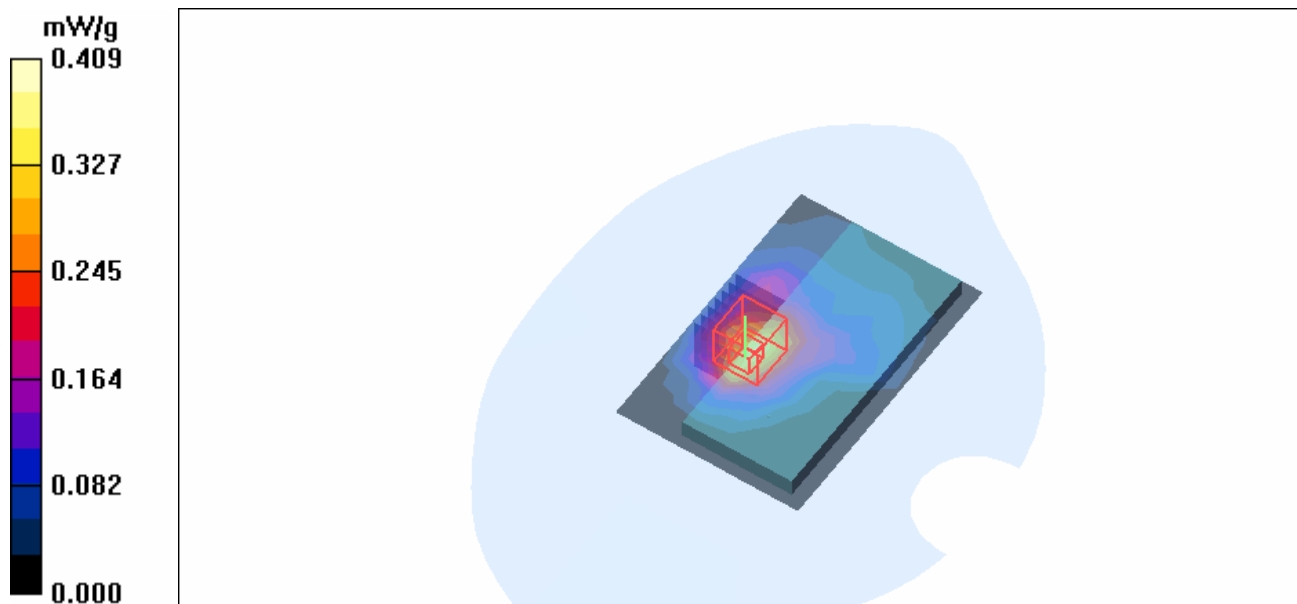
**High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.03 V/m

Peak SAR (extrapolated) = 0.771 W/kg

**SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.157 mW/g**

Maximum value of SAR (measured) = 0.409 mW/g





Test Laboratory: Advance Data Technology

### C600-11g-CH 6-M06

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 6/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.299 mW/g

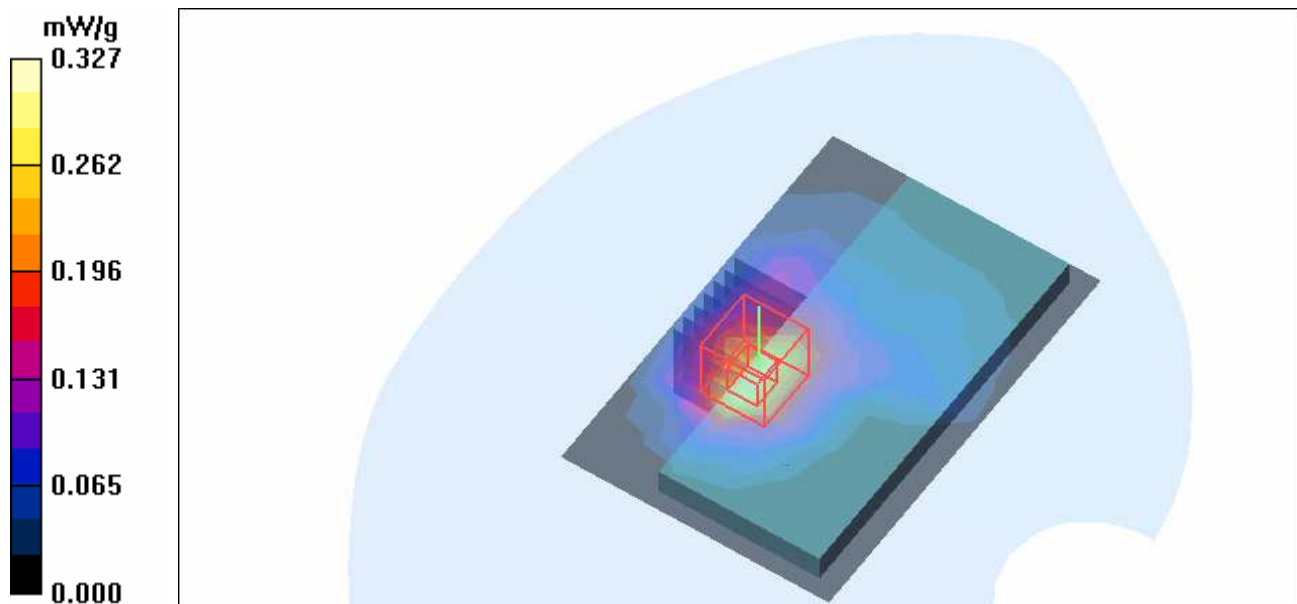
**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.66 V/m

Peak SAR (extrapolated) = 0.685 W/kg

**SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.132 mW/g**

Maximum value of SAR (measured) = 0.327 mW/g



Test Laboratory: Advance Data Technology

**C600-2.4G 11n span 20MHz-CH 6-M07**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 2.4G 11n span20 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 6/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.225 mW/g

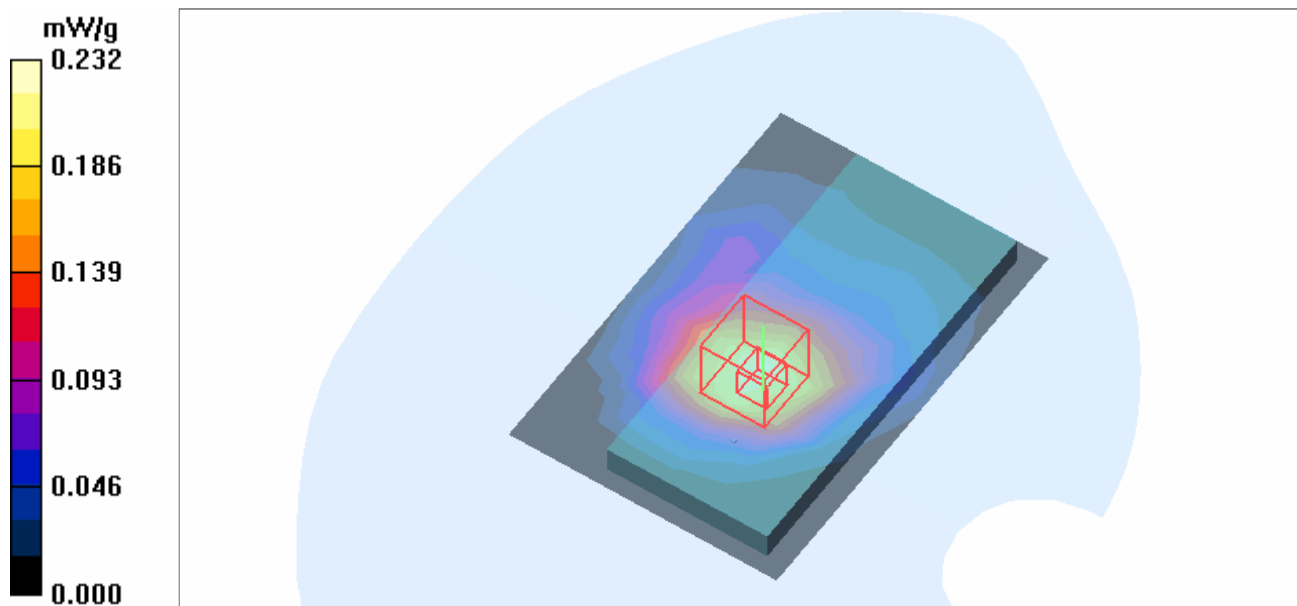
**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.66 V/m

Peak SAR (extrapolated) = 0.441 W/kg

**SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.121 mW/g**

Maximum value of SAR (measured) = 0.232 mW/g



Test Laboratory: Advance Data Technology

**C600-2.4G 11n span 40MHz-CH 4-M08**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 2.4G 11n span40 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 2.01 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 = 1000 \text{ kg/m}^3$  ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 4/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.206 mW/g

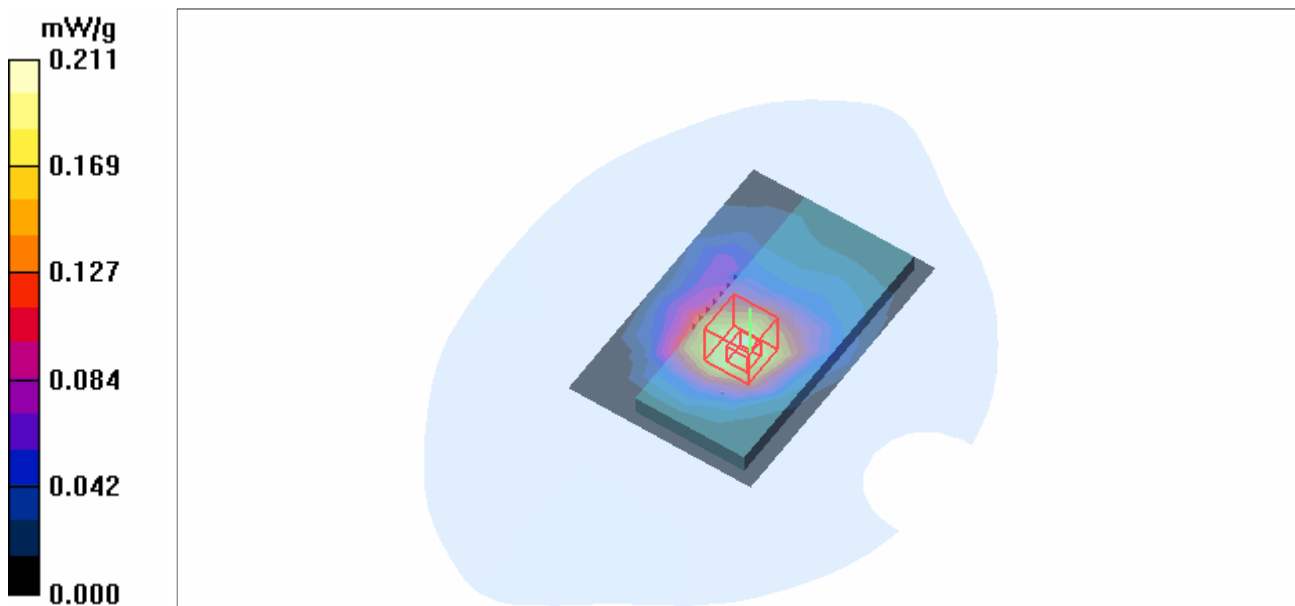
**Mid Channel 4/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.82 V/m

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.109 mW/g**

Maximum value of SAR (measured) = 0.211 mW/g



Test Laboratory: Advance Data Technology

**D600C-11b-CH 11-M09**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2462 MHz**

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$

$\text{kg/m}^3$  ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 11/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.297 mW/g

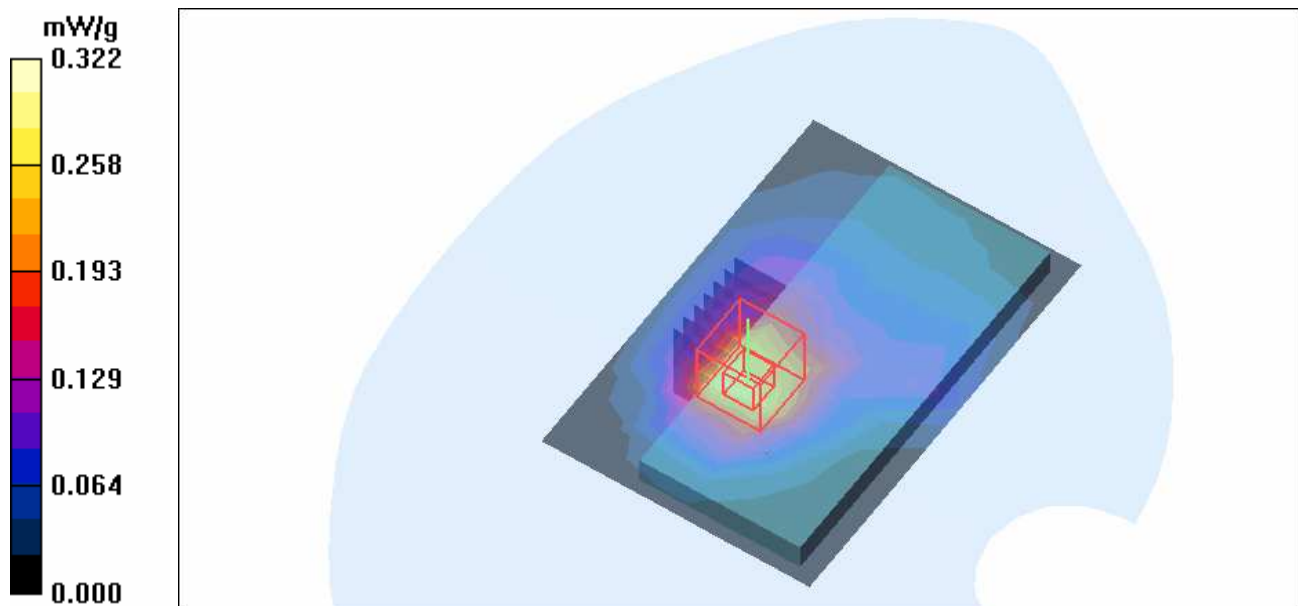
**High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.24 V/m

Peak SAR (extrapolated) = 0.666 W/kg

**SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.102 mW/g**

Maximum value of SAR (measured) = 0.322 mW/g



Test Laboratory: Advance Data Technology

**D600-11g-CH 6-M10**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 2.01 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 6/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.232 mW/g

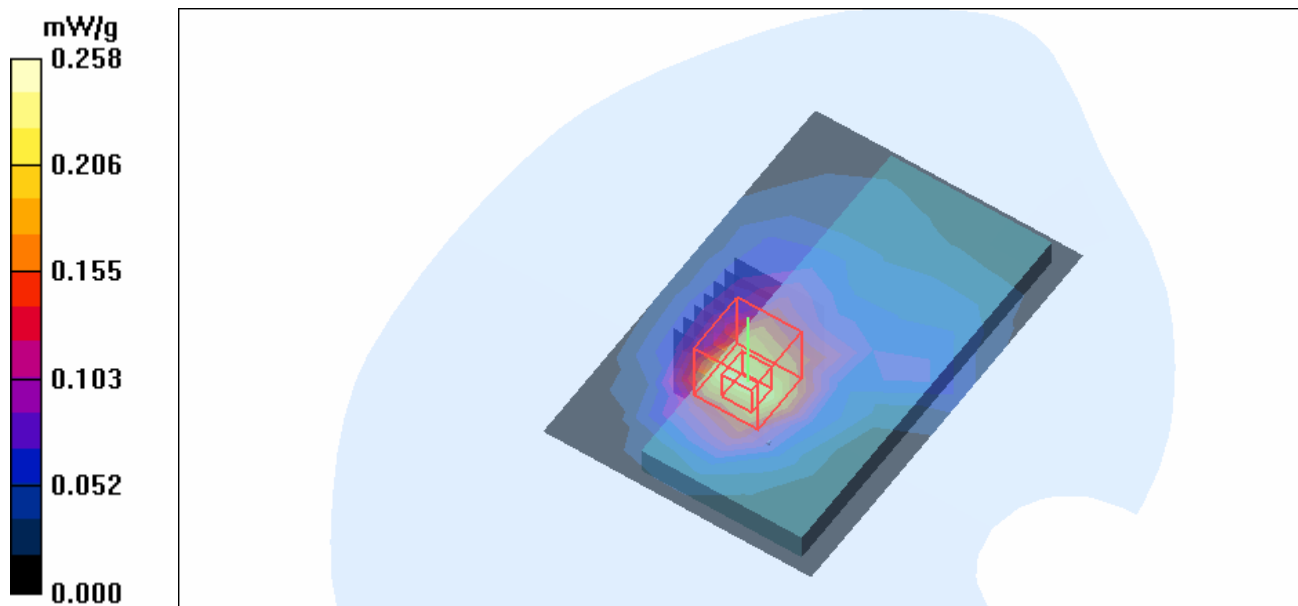
**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.9 V/m

Peak SAR (extrapolated) = 0.515 W/kg

**SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.086 mW/g**

Maximum value of SAR (measured) = 0.258 mW/g



Test Laboratory: Advance Data Technology

**D600-2.4G 11n span 20MHz-CH 6-M11**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 2.4G 11n span20 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 6/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.154 mW/g

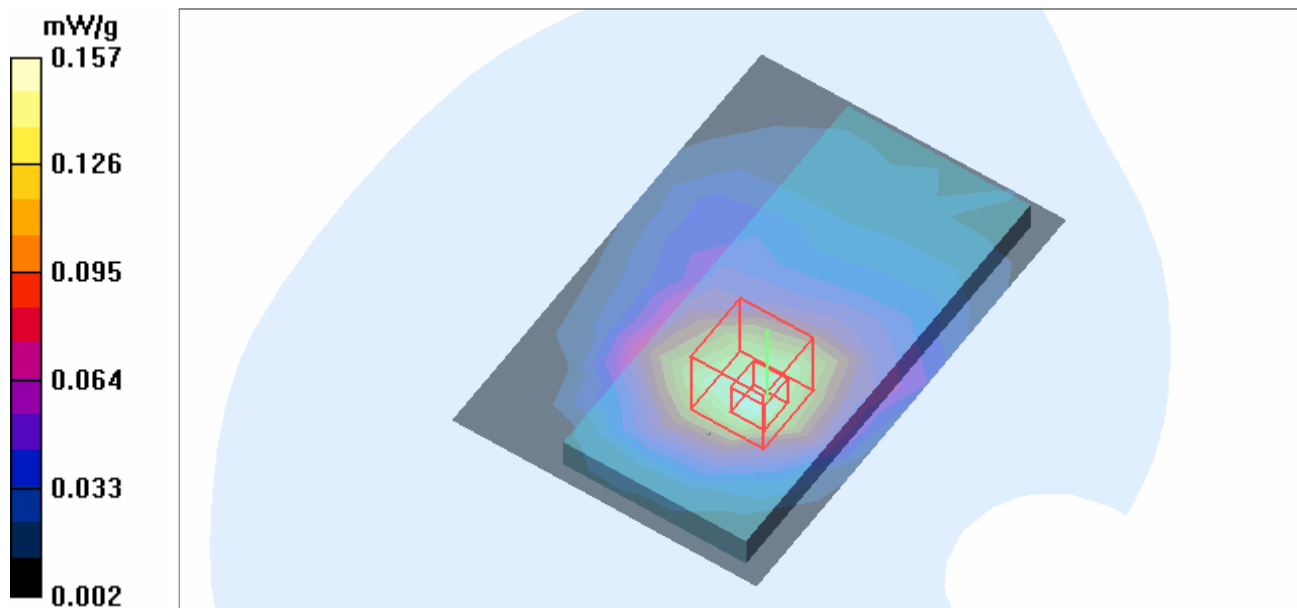
**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.77 V/m

Peak SAR (extrapolated) = 0.323 W/kg

**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.157 mW/g



Test Laboratory: Advance Data Technology

**D600-2.4G 11n span 40MHz-CH 4-M12**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 2437 MHz**

Communication System: 2.4G 11n span40 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 4/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.143 mW/g

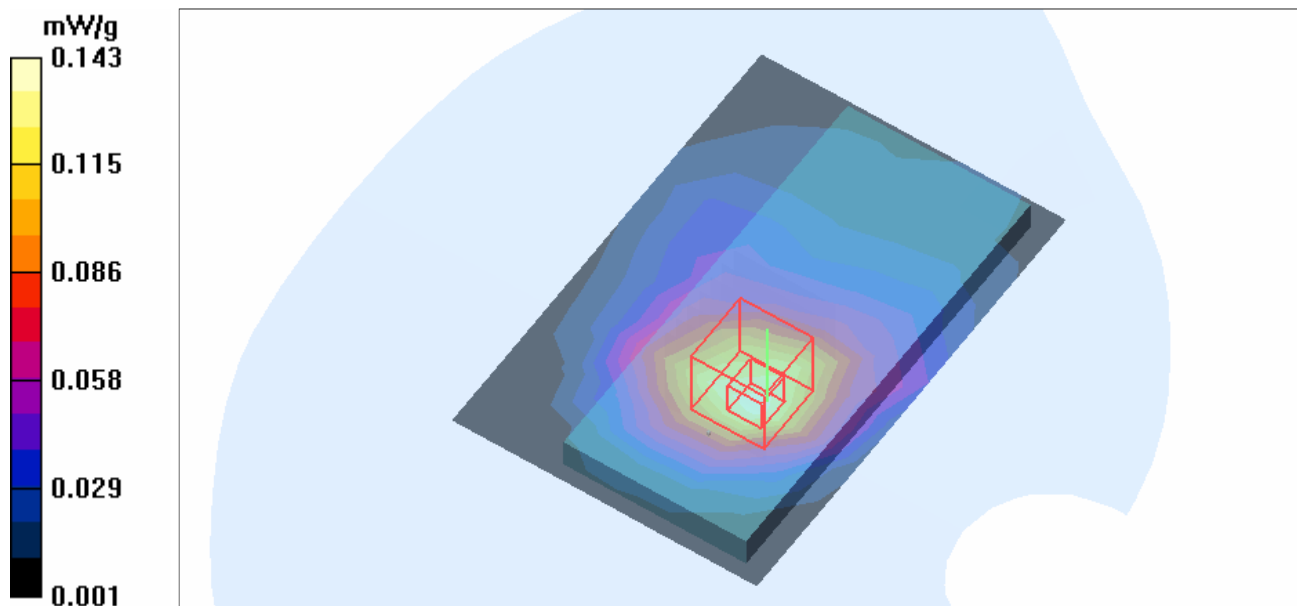
**Mid Channel 4/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.78 V/m

Peak SAR (extrapolated) = 0.306 W/kg

**SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.138 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 36-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5180 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.29 \text{ mho/m}$ ;  $\epsilon_r = 51$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Low Channel 36/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.410 mW/g

**Low Channel 36/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.49 V/m

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.100 mW/g**

Maximum value of SAR (measured) = 0.472 mW/g

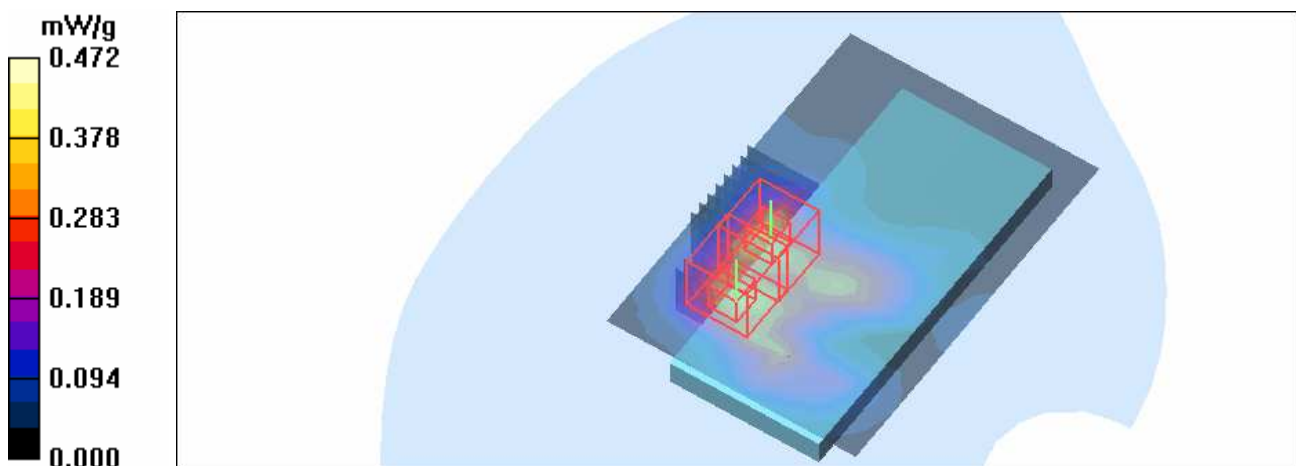
**Low Channel 36/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.49 V/m

Peak SAR (extrapolated) = 0.89 W/kg

**SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.089 mW/g**

Maximum value of SAR (measured) = 0.451 mW/g





Test Laboratory: Advance Data Technology

**N800C-11a-CH 48-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5240 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.38 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 48/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.380 mW/g

**Mid Channel 48/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.30 V/m

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.424 mW/g

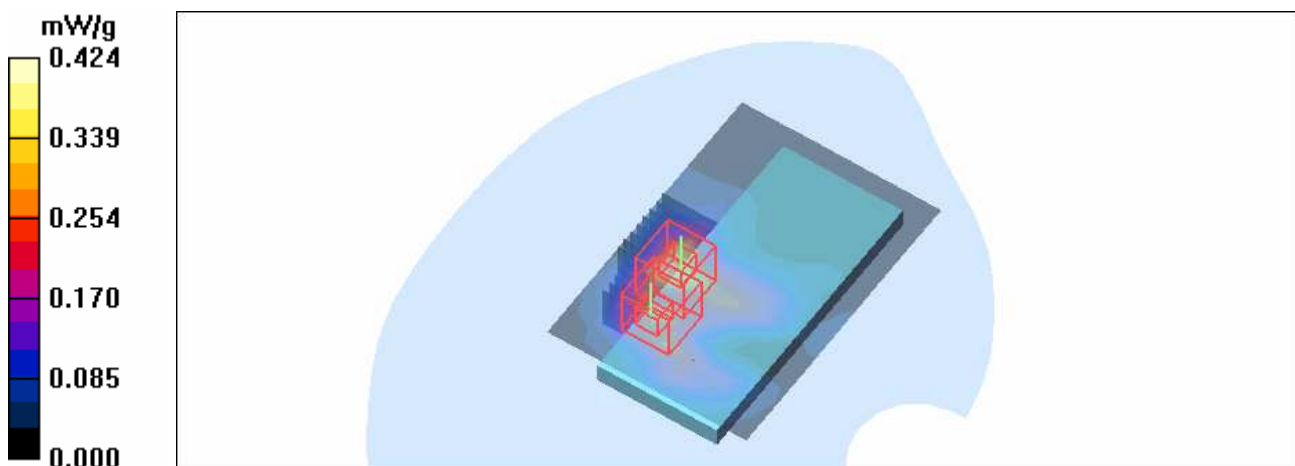
**Mid Channel 48/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.30 V/m

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.391 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 52-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5260 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.41$  mho/m;  $\epsilon_r = 50.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 52/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.375 mW/g

**Mid Channel 52/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.19 V/m

Peak SAR (extrapolated) = 0.806 W/kg

**SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.096 mW/g**

Maximum value of SAR (measured) = 0.395 mW/g

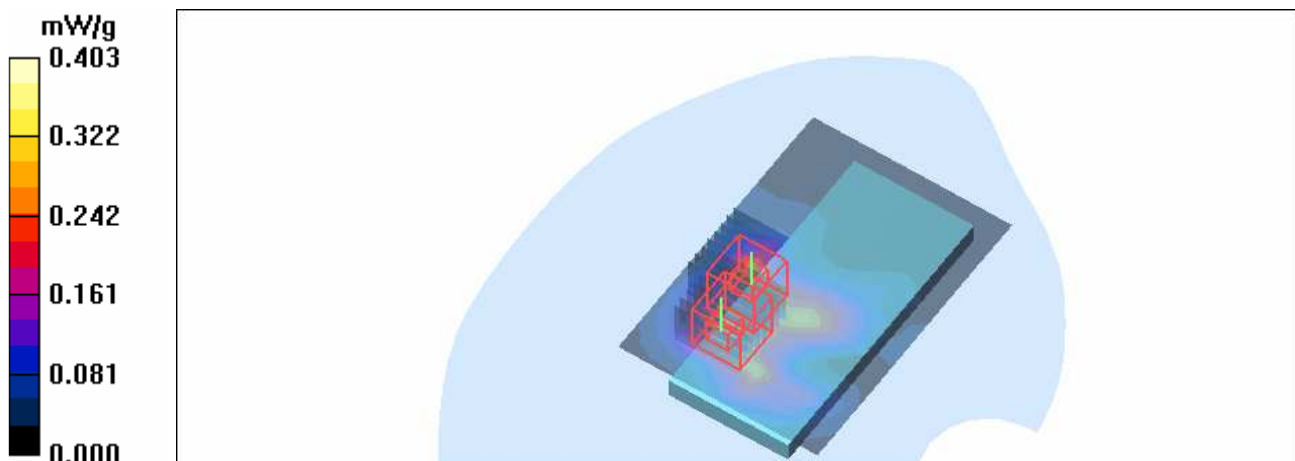
**Mid Channel 52/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.19 V/m

Peak SAR (extrapolated) = 0.834 W/kg

**SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.403 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 64-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5320 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.5 \text{ mho/m}$ ;  $\epsilon_r = 50.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 64/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.471 mW/g

**Mid Channel 64/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.99 V/m

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.118 mW/g**

Maximum value of SAR (measured) = 0.489 mW/g

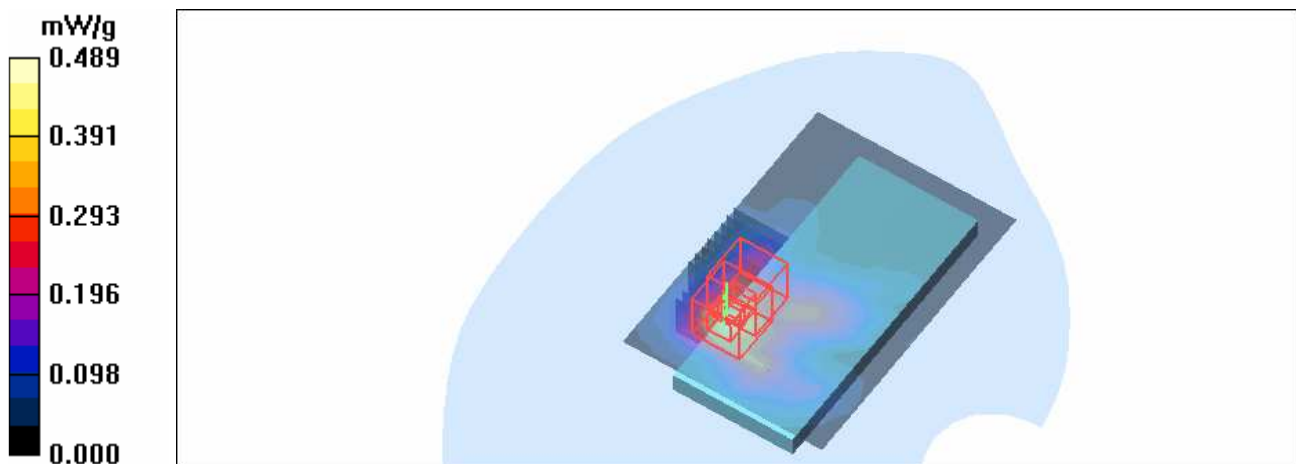
**Mid Channel 64/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

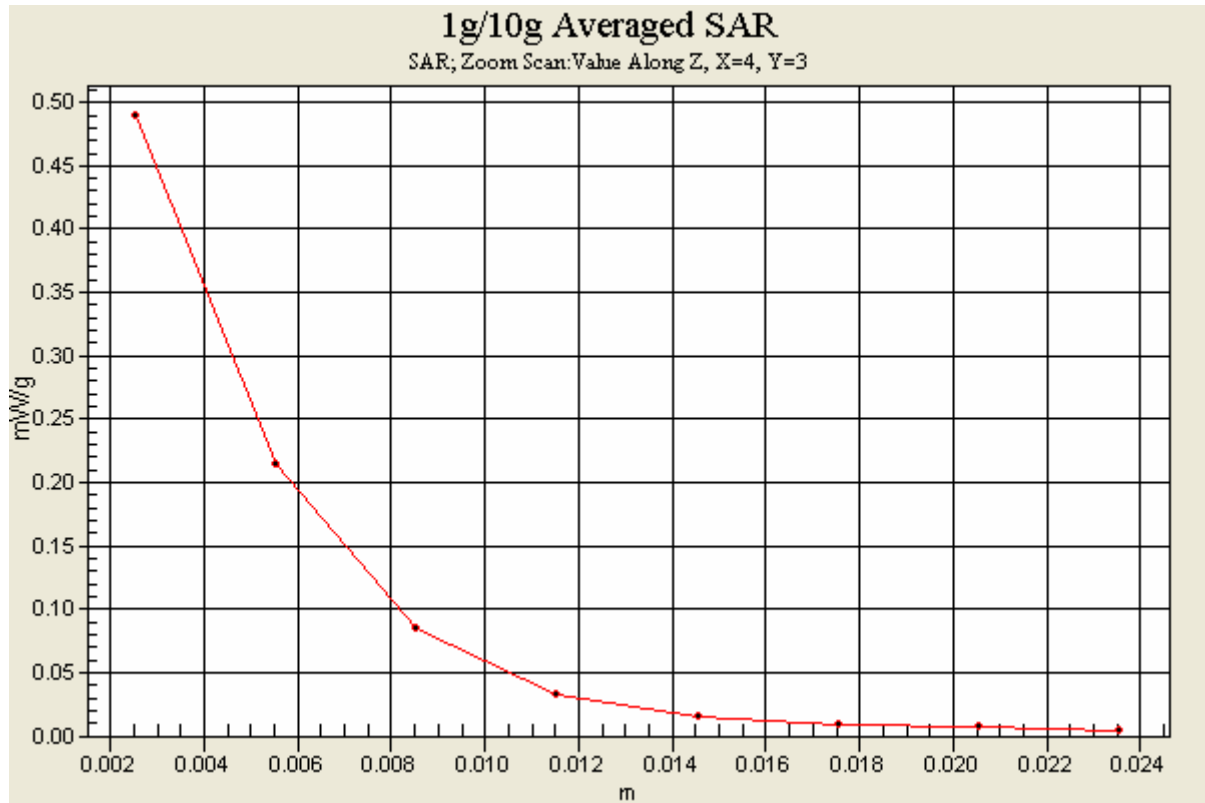
Reference Value = 5.99 V/m

Peak SAR (extrapolated) = 0.973 W/kg

**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.466 mW/g





Test Laboratory: Advance Data Technology

**N800C-11a-CH 100-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5500 MHz**

Communication System: 802.11a ; Frequency: 5500 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.76$  mho/m;  $\epsilon_r = 50.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.09, 4.09, 4.09) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 100/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.291 mW/g

**Mid Channel 100/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.10 V/m

Peak SAR (extrapolated) = 0.732 W/kg

**SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.331 mW/g

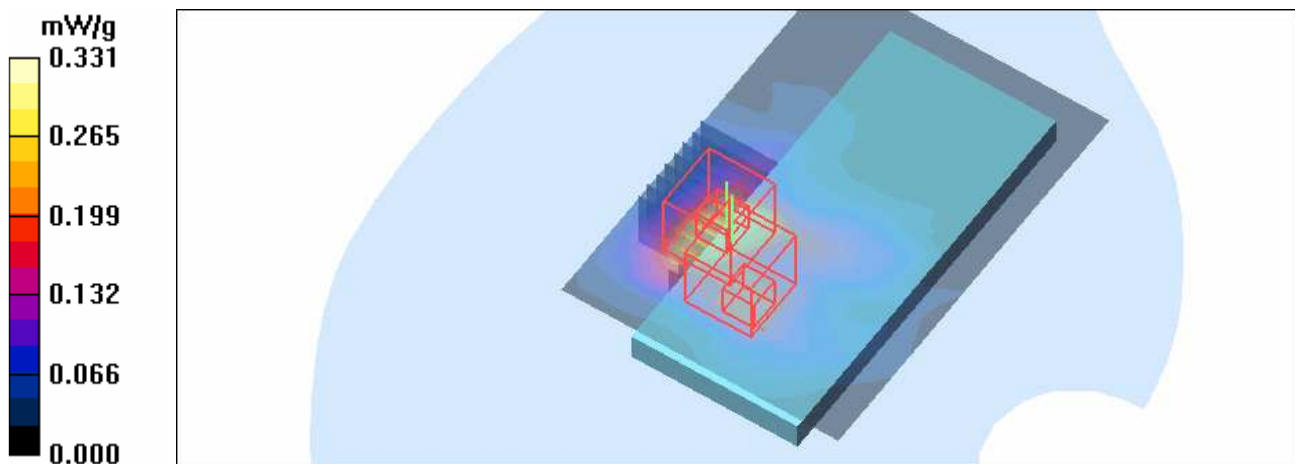
**Mid Channel 100/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.10 V/m

Peak SAR (extrapolated) = 0.619 W/kg

**SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.061 mW/g**

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



Test Laboratory: Advance Data Technology

**N800C-11a-CH 104-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5520 MHz**

Communication System: 802.11a ; Frequency: 5520 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5520$  MHz;  $\sigma = 5.79$  mho/m;  $\epsilon_r = 50.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 104/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.279 mW/g

**Mid Channel 104/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.25 V/m

Peak SAR (extrapolated) = 0.740 W/kg

**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.076 mW/g**

Maximum value of SAR (measured) = 0.321 mW/g

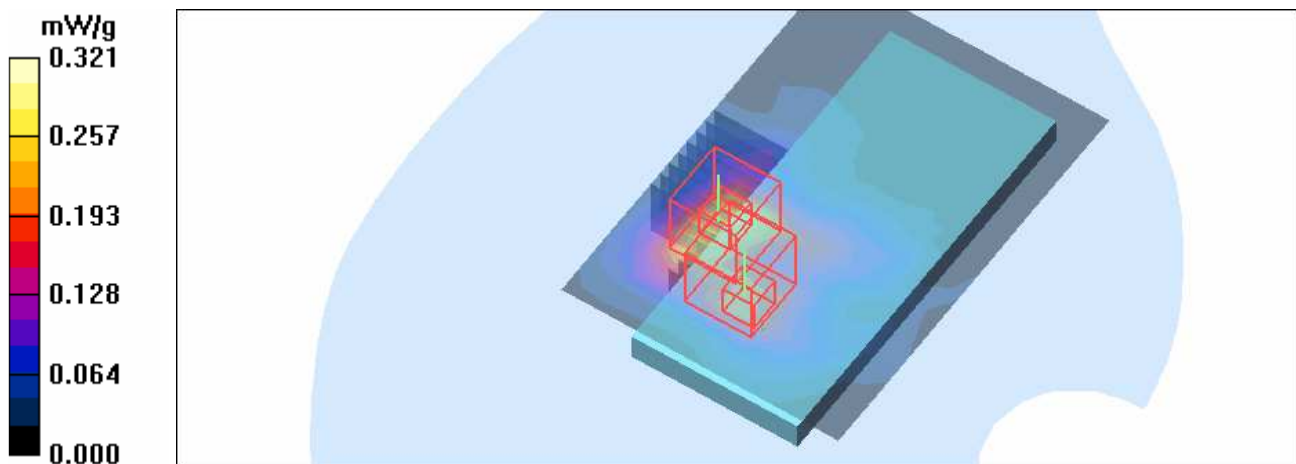
**Mid Channel 104/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.25 V/m

Peak SAR (extrapolated) = 0.655 W/kg

**SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.060 mW/g**

Maximum value of SAR (measured) = 0.265 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 116-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5580 MHz**

Communication System: 802.11a ; Frequency: 5580 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.88$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 116/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.290 mW/g

**Mid Channel 116/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.70 V/m

Peak SAR (extrapolated) = 0.827 W/kg

**SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.351 mW/g

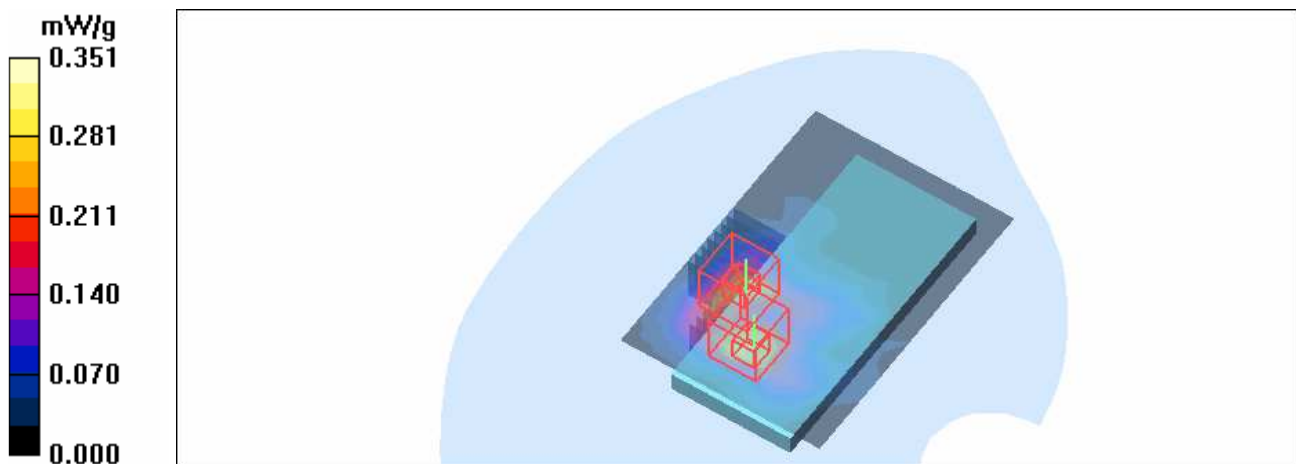
**Mid Channel 116/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.70 V/m

Peak SAR (extrapolated) = 0.704 W/kg

**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.068 mW/g**

Maximum value of SAR (measured) = 0.301 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 120-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5600 MHz**

Communication System: 802.11a ; Frequency: 5600 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.91$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 120/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.310 mW/g

**Mid Channel 120/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.71 V/m

Peak SAR (extrapolated) = 0.833 W/kg

**SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.078 mW/g**

Maximum value of SAR (measured) = 0.364 mW/g

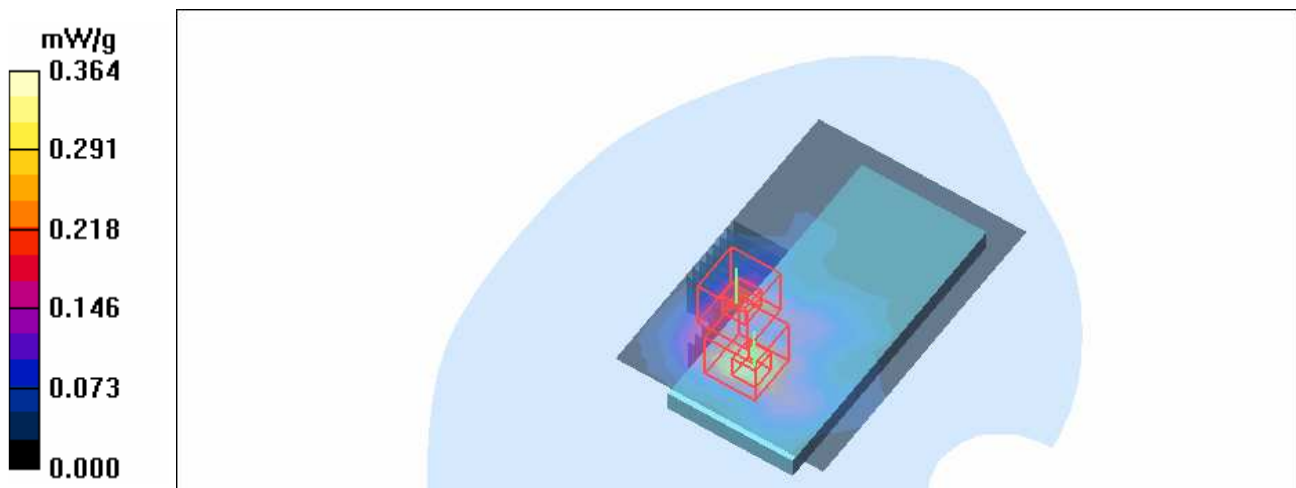
**Mid Channel 120/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.71 V/m

Peak SAR (extrapolated) = 0.614 W/kg

**SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.064 mW/g**

Maximum value of SAR (measured) = 0.281 mW/g





Test Laboratory: Advance Data Technology

**N800C-11a-CH 124-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5620 MHz**

Communication System: 802.11a ; Frequency: 5620 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5620$  MHz;  $\sigma = 5.94$  mho/m;  $\epsilon_r = 50.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 124/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.312 mW/g

**Mid Channel 124/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.18 V/m

Peak SAR (extrapolated) = 0.844 W/kg

**SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.366 mW/g

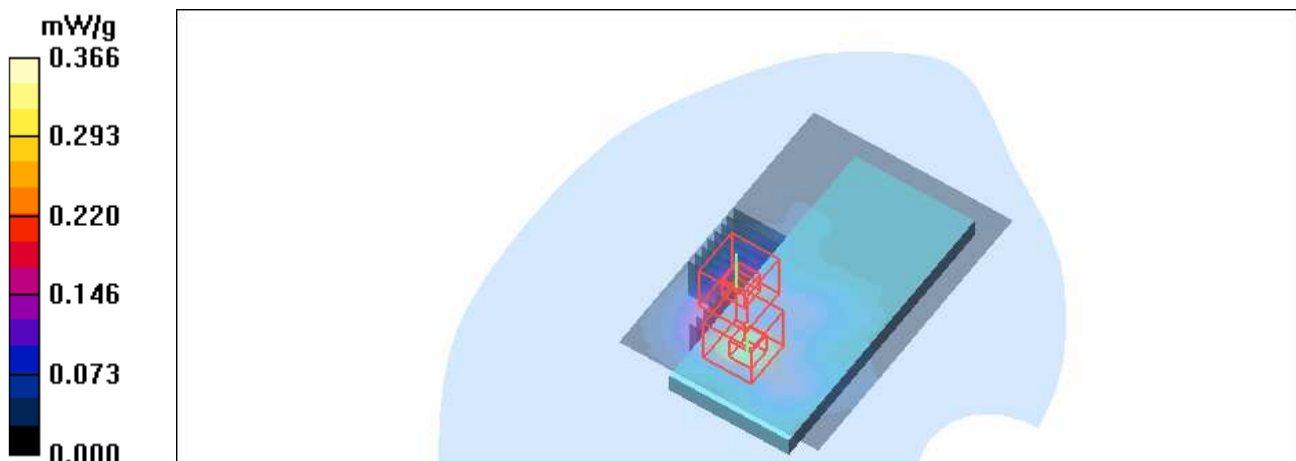
**Mid Channel 124/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.18 V/m

Peak SAR (extrapolated) = 0.608 W/kg

**SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.059 mW/g**

Maximum value of SAR (measured) = 0.271 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 136-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5680 MHz**

Communication System: 802.11a ; Frequency: 5680 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5680$  MHz;  $\sigma = 6.03$  mho/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 136/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.357 mW/g

**Mid Channel 136/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.99 V/m

Peak SAR (extrapolated) = 0.935 W/kg

**SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.086 mW/g**

Maximum value of SAR (measured) = 0.399 mW/g

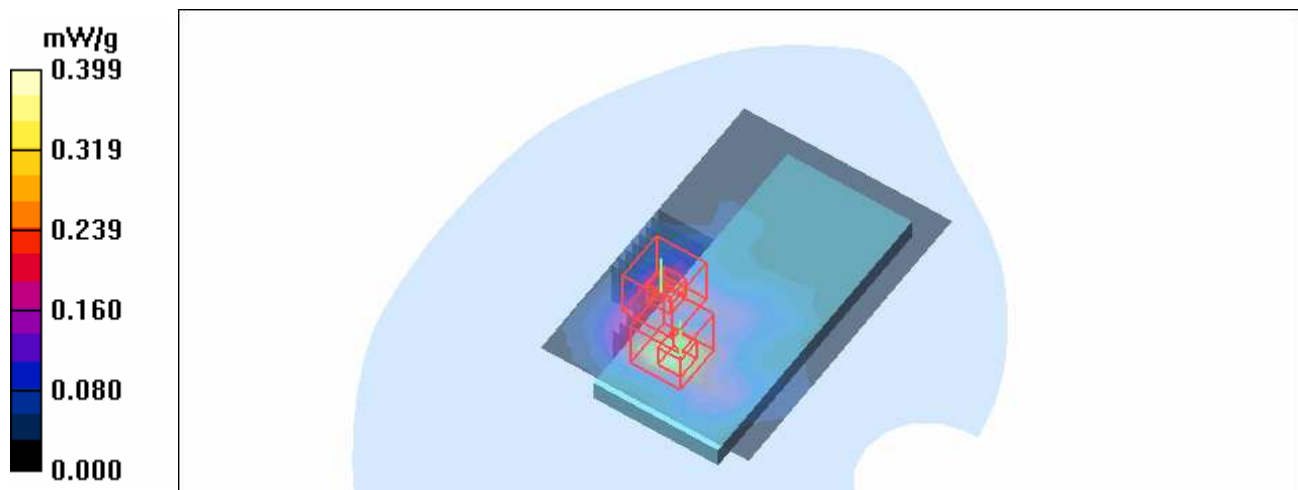
**Mid Channel 136/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.99 V/m

Peak SAR (extrapolated) = 0.842 W/kg

**SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.371 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 140-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5700 MHz**

Communication System: 802.11a ; Frequency: 5700 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5700 \text{ MHz}$ ;  $\sigma = 6.07 \text{ mho/m}$ ;  $\epsilon_r = 50$ ;  $\rho = 1000$

$\text{kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 140/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.345 mW/g

**Mid Channel 140/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.20 V/m

Peak SAR (extrapolated) = 0.984 W/kg

**SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.411 mW/g

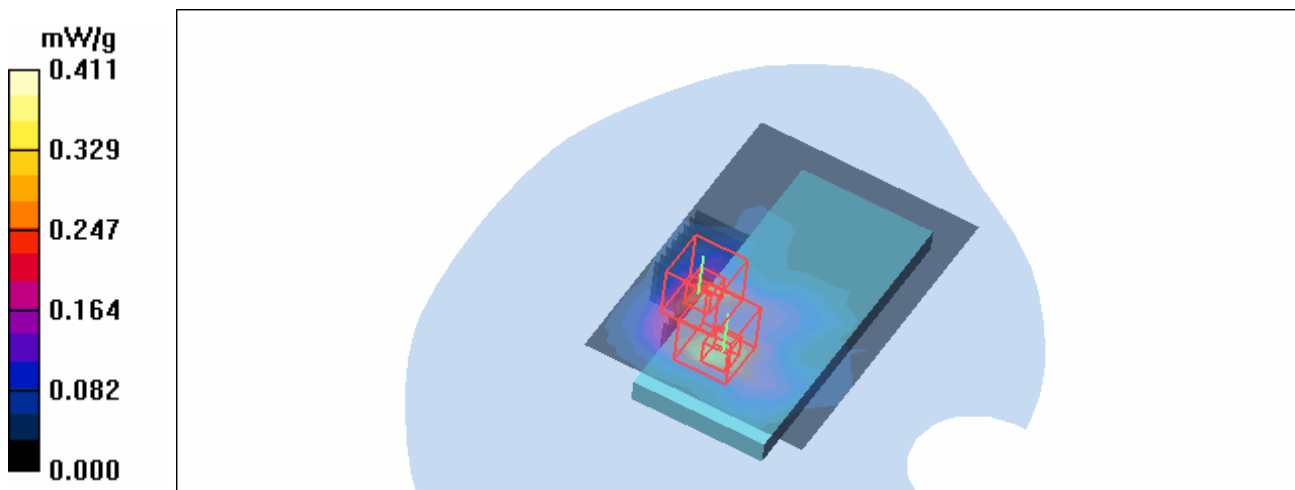
**Mid Channel 140/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.20 V/m

Peak SAR (extrapolated) = 0.916 W/kg

**SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.065 mW/g**

Maximum value of SAR (measured) = 0.381 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 149-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5745 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.14$  mho/m;  $\epsilon_r = 49.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 149/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.278 mW/g

**Mid Channel 149/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.35 V/m

Peak SAR (extrapolated) = 0.665 W/kg

**SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.067 mW/g**

Maximum value of SAR (measured) = 0.322 mW/g

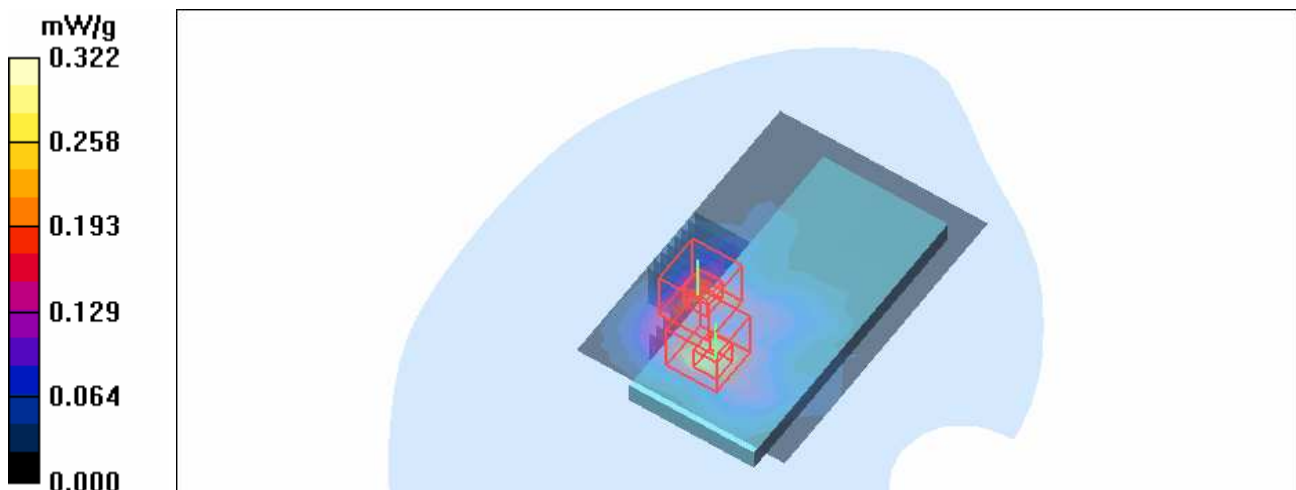
**Mid Channel 149/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.35 V/m

Peak SAR (extrapolated) = 0.602 W/kg

**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.054 mW/g**

Maximum value of SAR (measured) = 0.279 mW/g



Test Laboratory: Advance Data Technology

**N800C-11a-CH 157-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5785 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.2$  mho/m;  $\epsilon_r = 49.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 157/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.254 mW/g

**Mid Channel 157/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.30 V/m

Peak SAR (extrapolated) = 0.702 W/kg

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.065 mW/g**

Maximum value of SAR (measured) = 0.329 mW/g

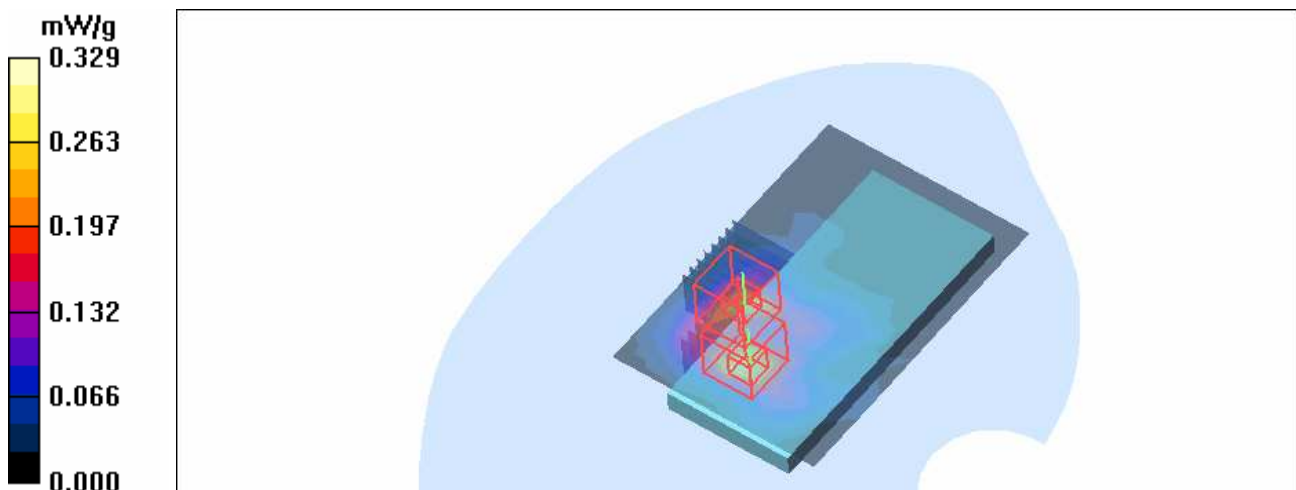
**Mid Channel 157/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.30 V/m

Peak SAR (extrapolated) = 0.622 W/kg

**SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.053 mW/g**

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



Test Laboratory: Advance Data Technology

**N800C-11a-CH 165-M13**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5825 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.26 \text{ mho/m}$ ;  $\epsilon_r = 49.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 165/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.286 mW/g

**High Channel 165/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.55 V/m

Peak SAR (extrapolated) = 0.740 W/kg

**SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.071 mW/g**

Maximum value of SAR (measured) = 0.357 mW/g

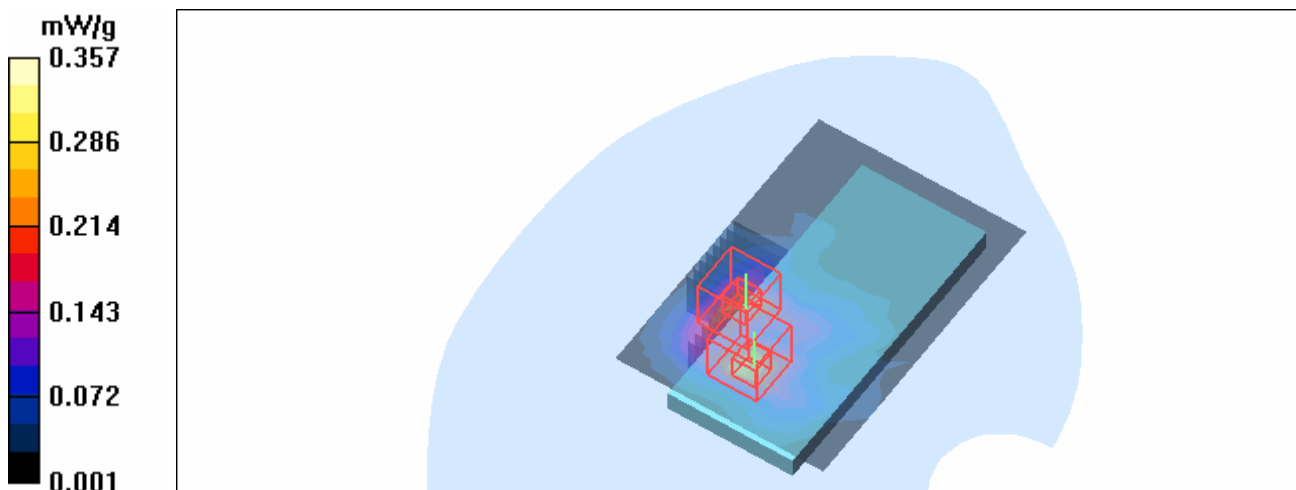
**High Channel 165/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.55 V/m

Peak SAR (extrapolated) = 0.639 W/kg

**SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.058 mW/g**

Maximum value of SAR (measured) = 0.323 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 36-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5180 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.29 \text{ mho/m}$ ;  $\epsilon_r = 51$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Low Channel 36/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.296 mW/g

**Low Channel 36/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.40 V/m dB

Peak SAR (extrapolated) = 0.649 W/kg

**SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.323 mW/g

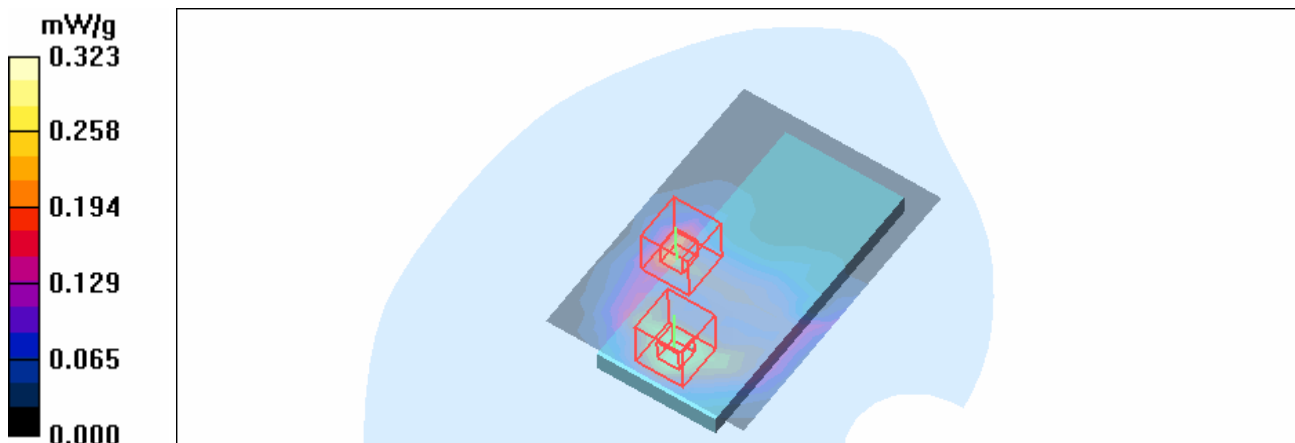
**Low Channel 36/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.40 V/m

Peak SAR (extrapolated) = 0.585 W/kg

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.279 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 48-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5240 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.38 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 48/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.320 mW/g

**Mid Channel 48/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.85 V/m

Peak SAR (extrapolated) = 0.728 W/kg

**SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.092 mW/g**

Maximum value of SAR (measured) = 0.350 mW/g

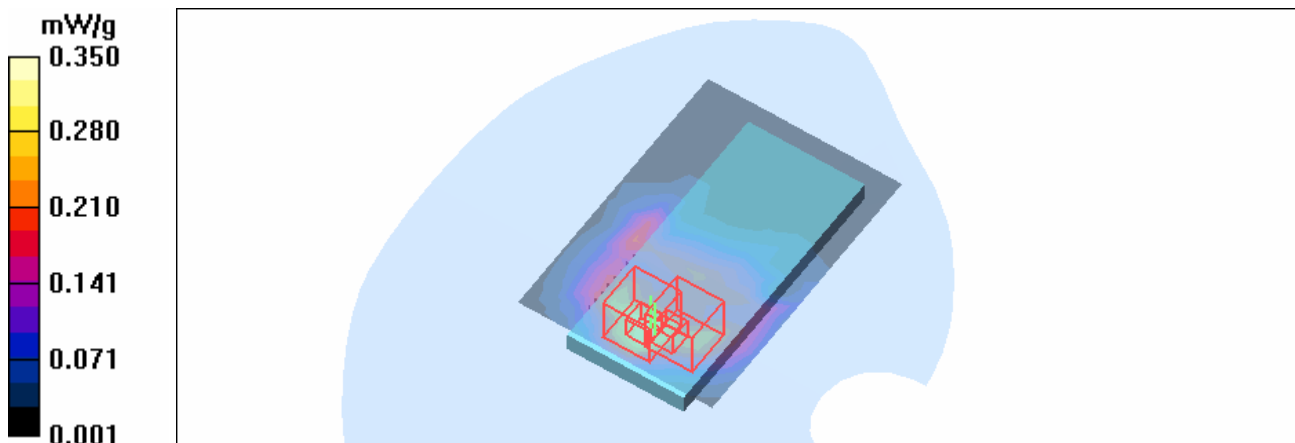
**Mid Channel 48/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.85 V/m

Peak SAR (extrapolated) = 0.650 W/kg

**SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.069 mW/g**

Maximum value of SAR (measured) = 0.319 mW/g





Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 52-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5260 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.41 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 52/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.319 mW/g

**Mid Channel 52/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.92 V/m

Peak SAR (extrapolated) = 0.673 W/kg

**SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.089 mW/g**

Maximum value of SAR (measured) = 0.333 mW/g

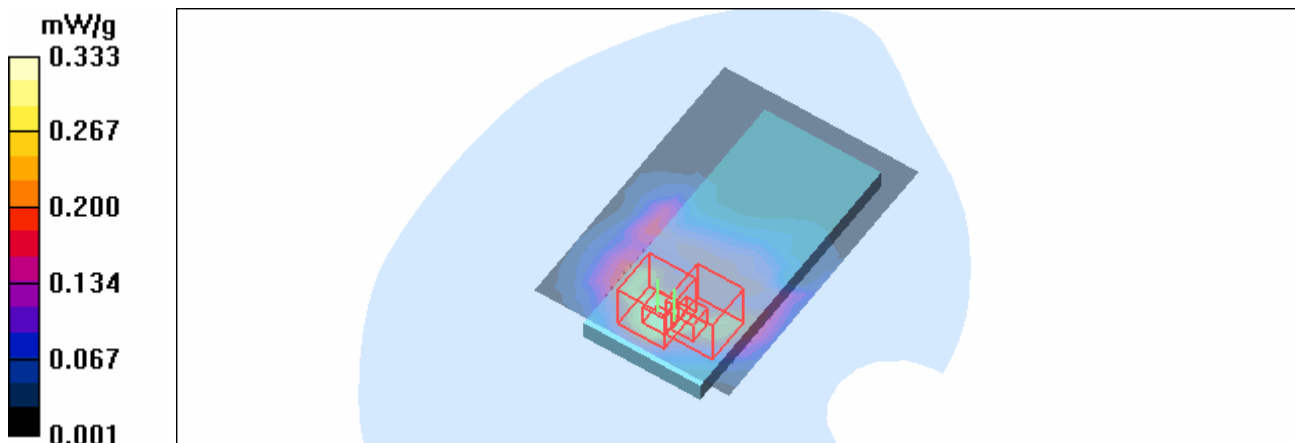
**Mid Channel 52/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.92 V/m

Peak SAR (extrapolated) = 0.606 W/kg

**SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.067 mW/g**

Maximum value of SAR (measured) = 0.293 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 64-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5320 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.5 \text{ mho/m}$ ;  $\epsilon_r = 50.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 64/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.335 mW/g

**Mid Channel 64/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.30 V/m

Peak SAR (extrapolated) = 0.744 W/kg

**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.094 mW/g**

Maximum value of SAR (measured) = 0.353 mW/g

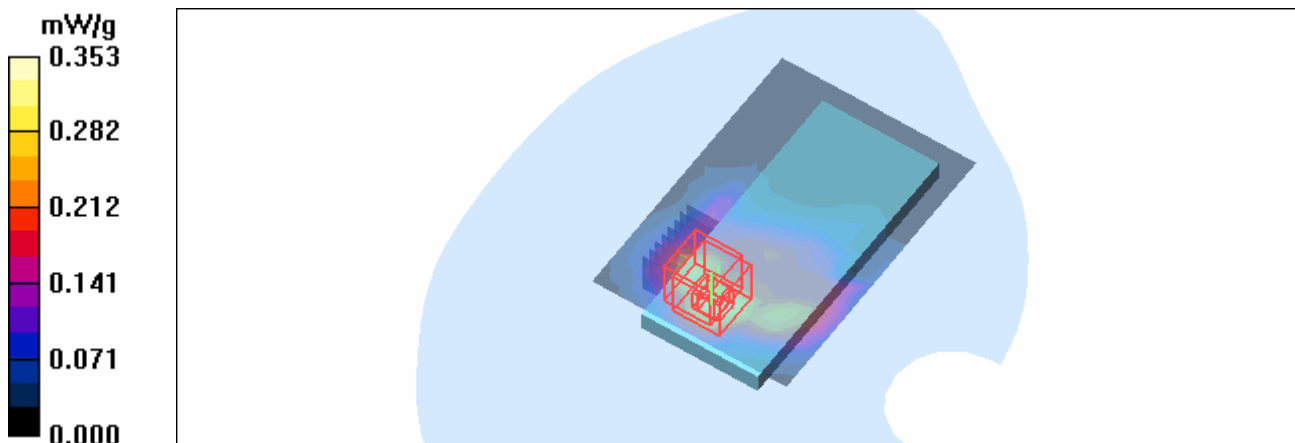
**Mid Channel 64/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.30 V/m

Peak SAR (extrapolated) = 0.747 W/kg

**SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.091 mW/g**

Maximum value of SAR (measured) = 0.344 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 100-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5500 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5500 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 5.76 \text{ mho/m}$ ;  $\epsilon_r = 50.4$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.09, 4.09, 4.09) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 100/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.238 mW/g

**Mid Channel 100/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.23 V/m

Peak SAR (extrapolated) = 0.587 W/kg

**SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.070 mW/g**

Maximum value of SAR (measured) = 0.267 mW/g

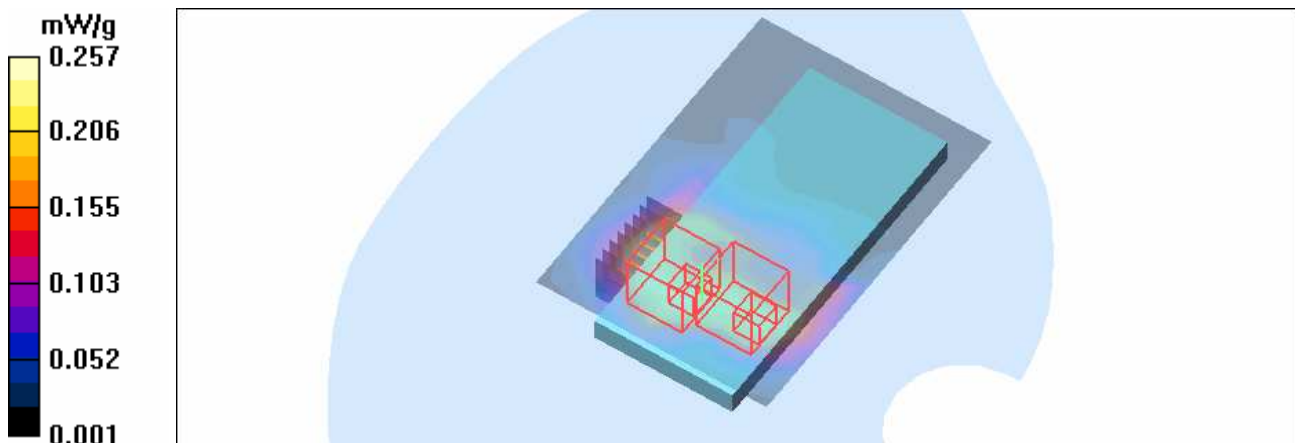
**Mid Channel 100/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.23 V/m

Peak SAR (extrapolated) = 0.573 W/kg

**SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.065 mW/g**

Maximum value of SAR (measured) = 0.257 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 104-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5520 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5520 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5520 \text{ MHz}$ ;  $\sigma = 5.79 \text{ mho/m}$ ;  $\epsilon_r = 50.4$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 104/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.269 mW/g

**Mid Channel 104/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.34 V/m

Peak SAR (extrapolated) = 0.656 W/kg

**SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.071 mW/g**

Maximum value of SAR (measured) = 0.271 mW/g

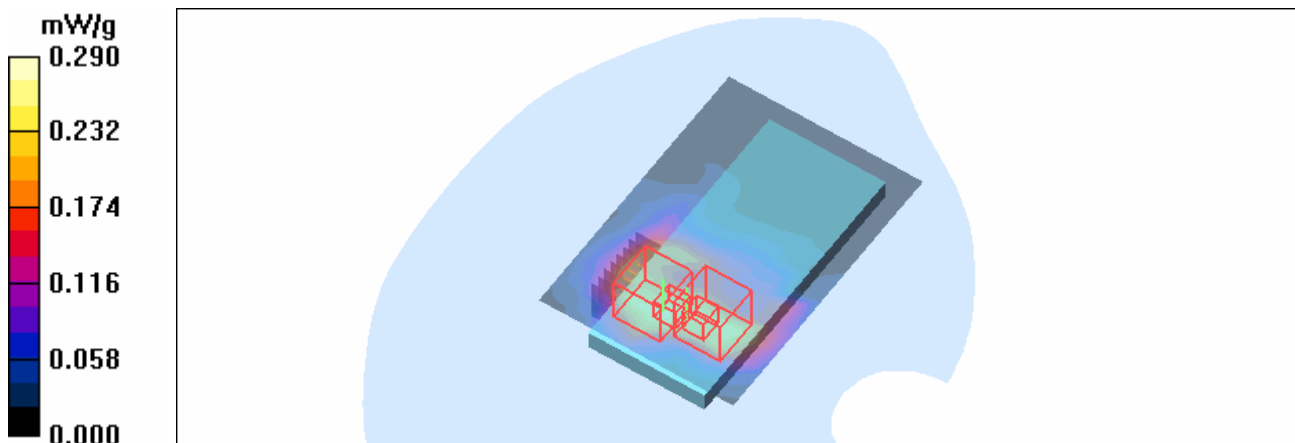
**Mid Channel 104/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.34 V/m

Peak SAR (extrapolated) = 0.637 W/kg

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.068 mW/g**

Maximum value of SAR (measured) = 0.290 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 116-M14****DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5580 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5580 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.88$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

## DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 116/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.277 mW/g

**Mid Channel 116/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.35 V/m

Peak SAR (extrapolated) = 0.674 W/kg

**SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.075 mW/g**

Maximum value of SAR (measured) = 0.299 mW/g

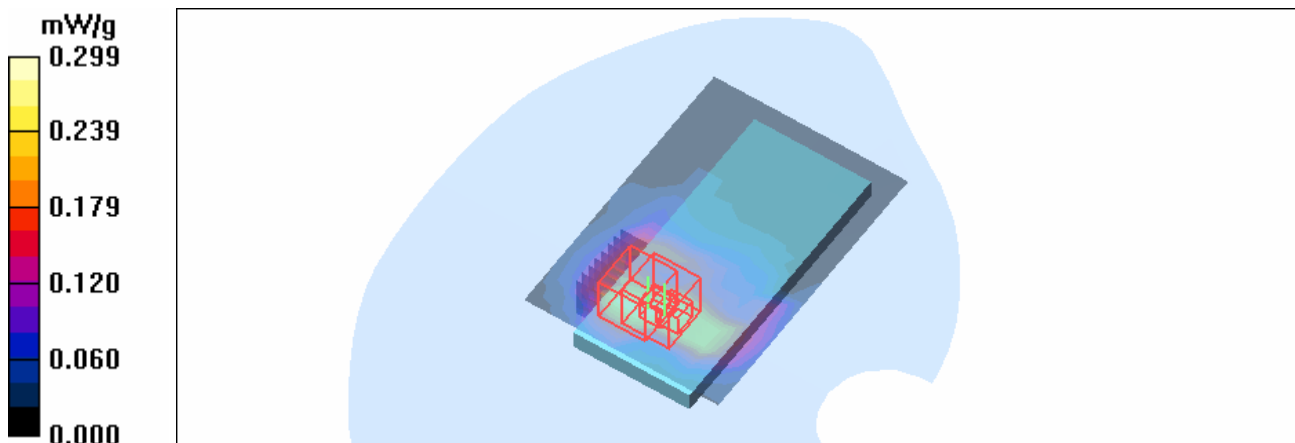
**Mid Channel 116/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.35 V/m

Peak SAR (extrapolated) = 0.661 W/kg

**SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.065 mW/g**

Maximum value of SAR (measured) = 0.291 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 120-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5600 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5600 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.9$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 120/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.286 mW/g

**Mid Channel 120/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.63 V/m

Peak SAR (extrapolated) = 0.685 W/kg

**SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.076 mW/g**

\Maximum value of SAR (measured) = 0.305 mW/g

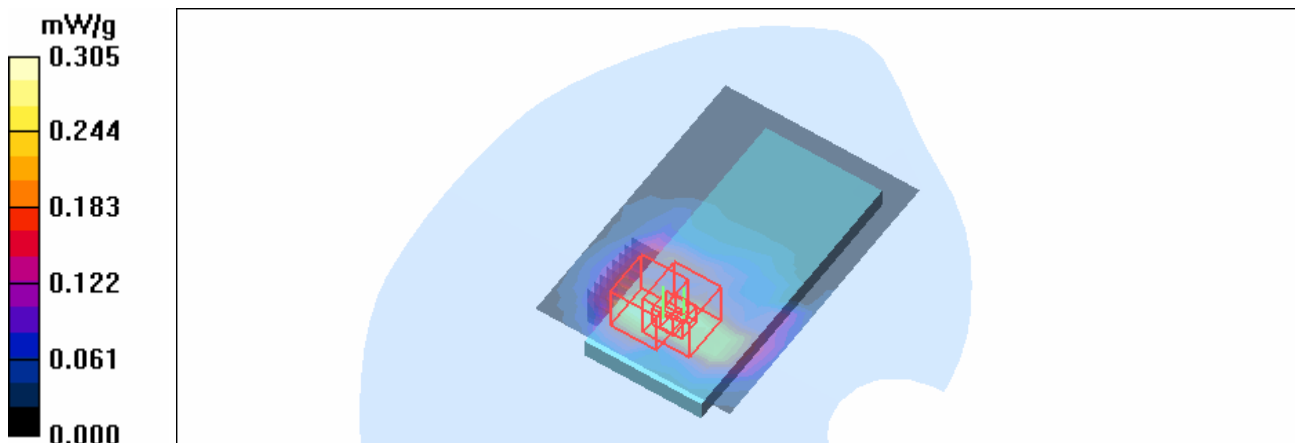
**Mid Channel 120/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.63 V/m

Peak SAR (extrapolated) = 0.669 W/kg

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.054 mW/g**

Maximum value of SAR (measured) = 0.300 mW/g



Test Laboratory: Advance Data Technology

### N800C-5G 11n span 20MHz-CH 124-M14

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5620 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5620 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5620$  MHz;  $\sigma = 5.93$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 124/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.300 mW/g

**Mid Channel 124/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.86 V/m

Peak SAR (extrapolated) = 0.749 W/kg

**SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.336 mW/g

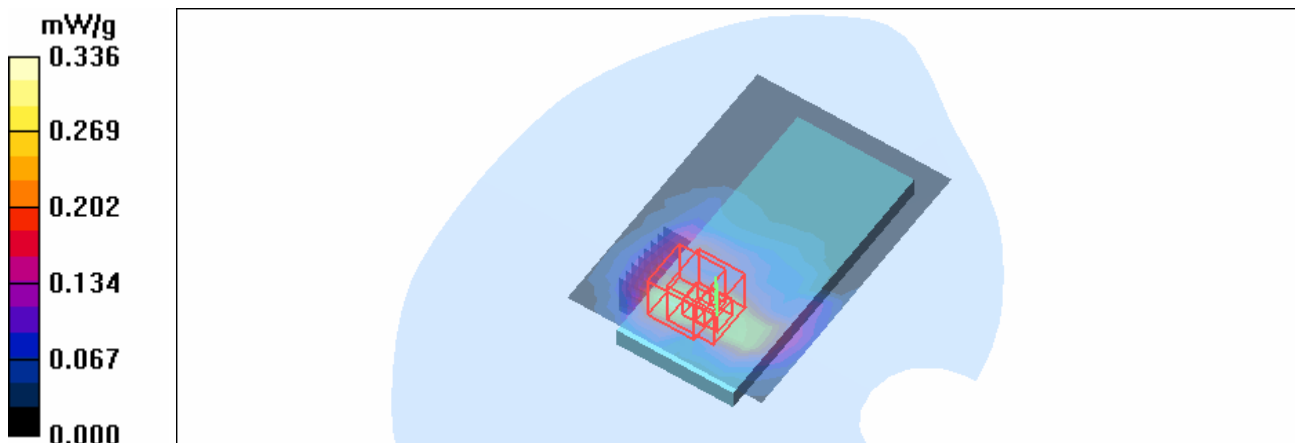
**Mid Channel 124/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.86 V/m

Peak SAR (extrapolated) = 0.758 W/kg

**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.081 mW/g**

Maximum value of SAR (measured) = 0.334 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 136-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5680 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5680 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5680 \text{ MHz}$ ;  $\sigma = 6.02 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 136/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.306 mW/g

**Mid Channel 136/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.88 V/m

Peak SAR (extrapolated) = 0.813 W/kg

**SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.357 mW/g

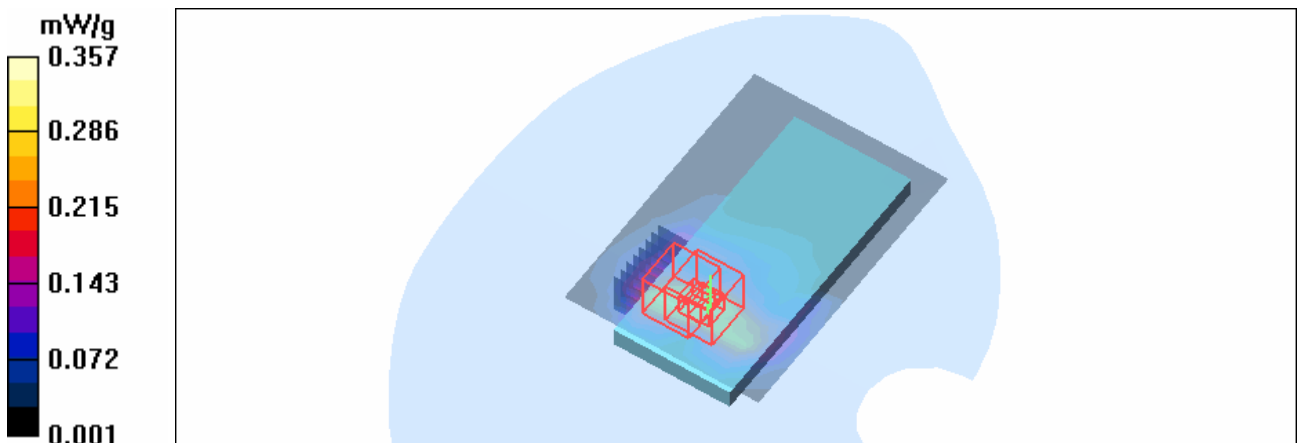
**Mid Channel 136/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.88 V/m

Peak SAR (extrapolated) = 0.795 W/kg

**SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.080 mW/g**

Maximum value of SAR (measured) = 0.331 mW/g





Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 140-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5700 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5700 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5700 \text{ MHz}$ ;  $\sigma = 6.06 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 140/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.323 mW/g

**Mid Channel 140/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.04 V/m

Peak SAR (extrapolated) = 0.831 W/kg

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.085 mW/g**

Maximum value of SAR (measured) = 0.368 mW/g

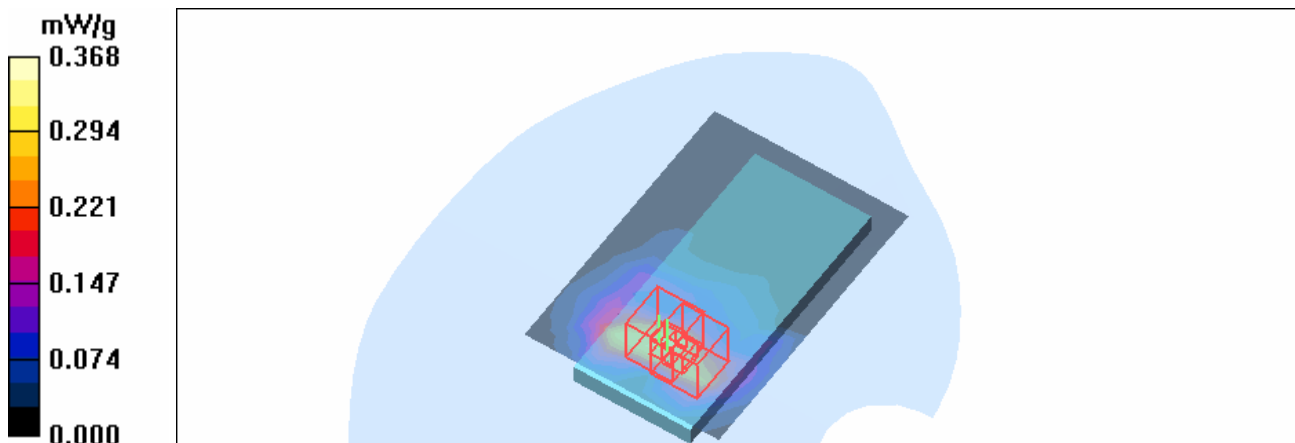
**Mid Channel 140/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.04 V/m

Peak SAR (extrapolated) = 0.771 W/kg

**SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.076 mW/g**

Maximum value of SAR (measured) = 0.357 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 149-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5745 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.13 \text{ mho/m}$ ;  $\epsilon_r = 50.1$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 149/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.331 mW/g

**Mid Channel 149/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.04 V/m

Peak SAR (extrapolated) = 0.843 W/kg

**SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.362 mW/g

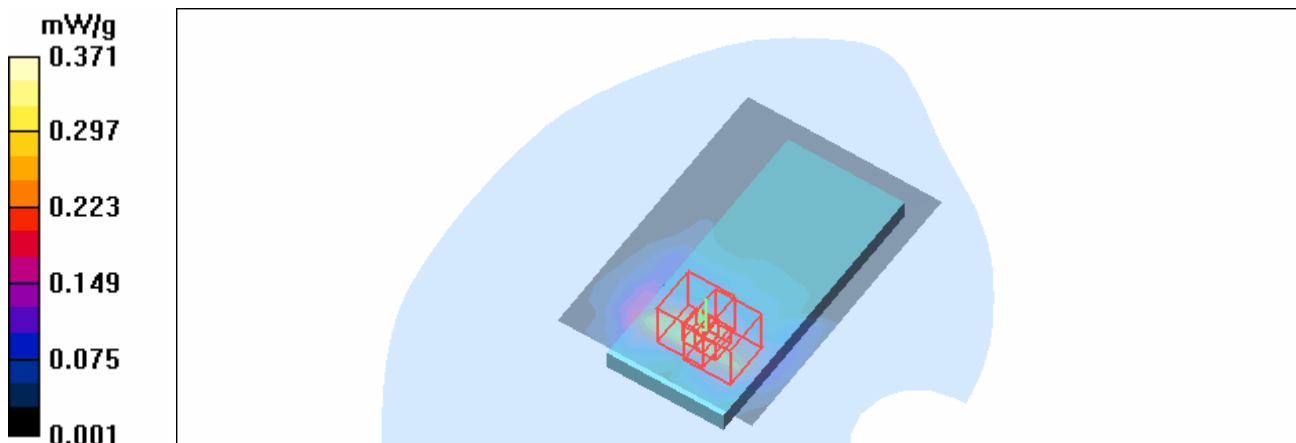
**Mid Channel 149/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.04 V/m

Peak SAR (extrapolated) = 0.914 W/kg

**SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.371 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 157-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5785 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 6.19 \text{ mho/m}$ ;  $\epsilon_r = 50$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 157/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.349 mW/g

**Mid Channel 157/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.08 V/m

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.410 mW/g

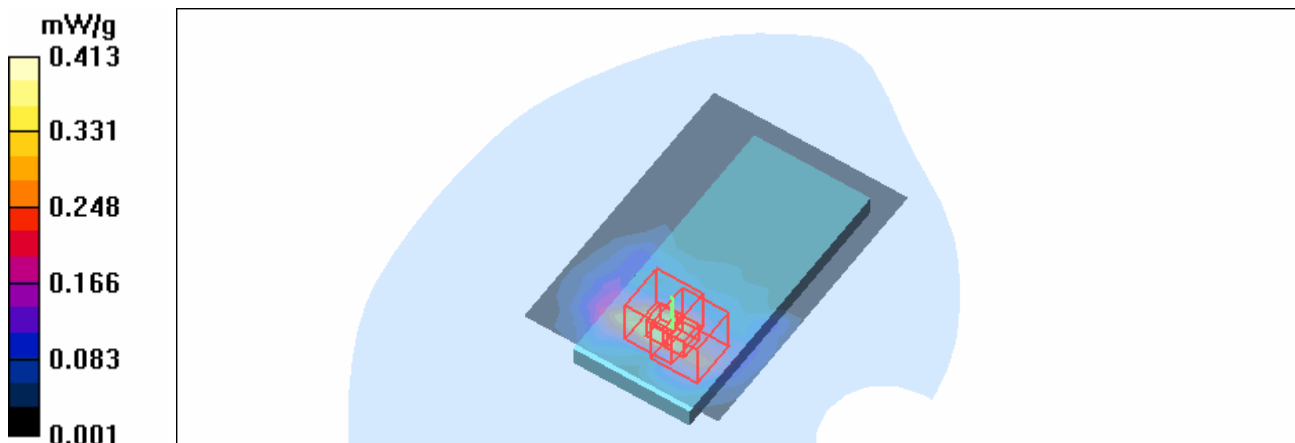
**Mid Channel 157/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.08 V/m

Peak SAR (extrapolated) = 0.979 W/kg

**SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.413 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 20MHz-CH 165-M14**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5825 MHz**

Communication System: 5G 11n span 20 ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.25 \text{ mho/m}$ ;  $\epsilon_r = 49.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 165/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.373 mW/g

**High Channel 165/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.18 V/m

Peak SAR (extrapolated) = 0.918 W/kg

**SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.090 mW/g**

Maximum value of SAR (measured) = 0.441 mW/g

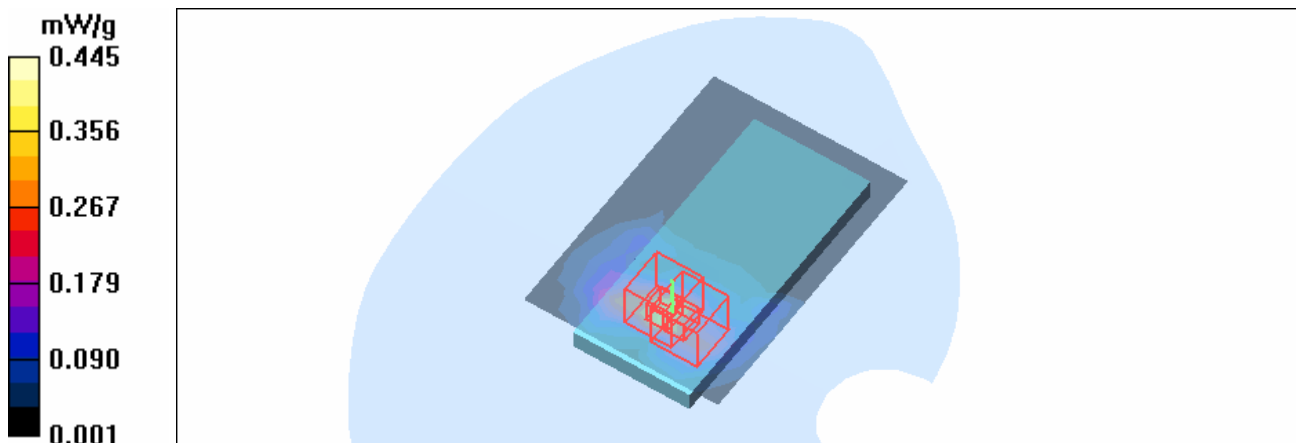
**High Channel 165/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 6.18 V/m

Peak SAR (extrapolated) = 0.856 W/kg

**SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.445 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 38-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5190 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5190 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5190 \text{ MHz}$ ;  $\sigma = 5.3 \text{ mho/m}$ ;  $\epsilon_r = 51.2$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Low Channel 38/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.274 mW/g

**Low Channel 38/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.23 V/m

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.077 mW/g**

Maximum value of SAR (measured) = 0.294 mW/g

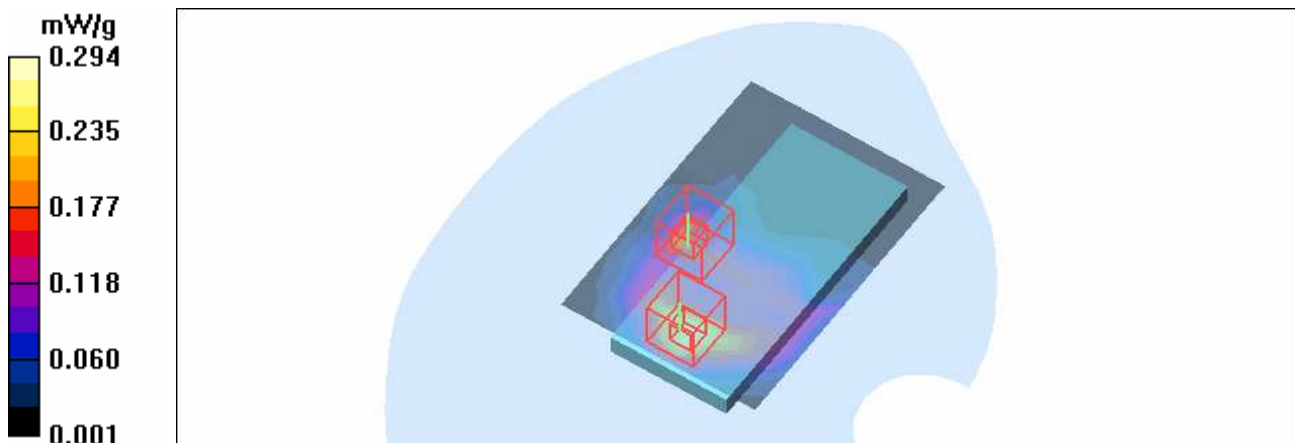
**Low Channel 38/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.23 V/m

Peak SAR (extrapolated) = 0.598 W/kg

**SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.237 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 46-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5230 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5230 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5230 \text{ MHz}$ ;  $\sigma = 5.36 \text{ mho/m}$ ;  $\epsilon_r = 51.1$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 46/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.271 mW/g

**Mid Channel 46/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.23 V/m

Peak SAR (extrapolated) = 0.596 W/kg

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.081 mW/g**

Maximum value of SAR (measured) = 0.304 mW/g

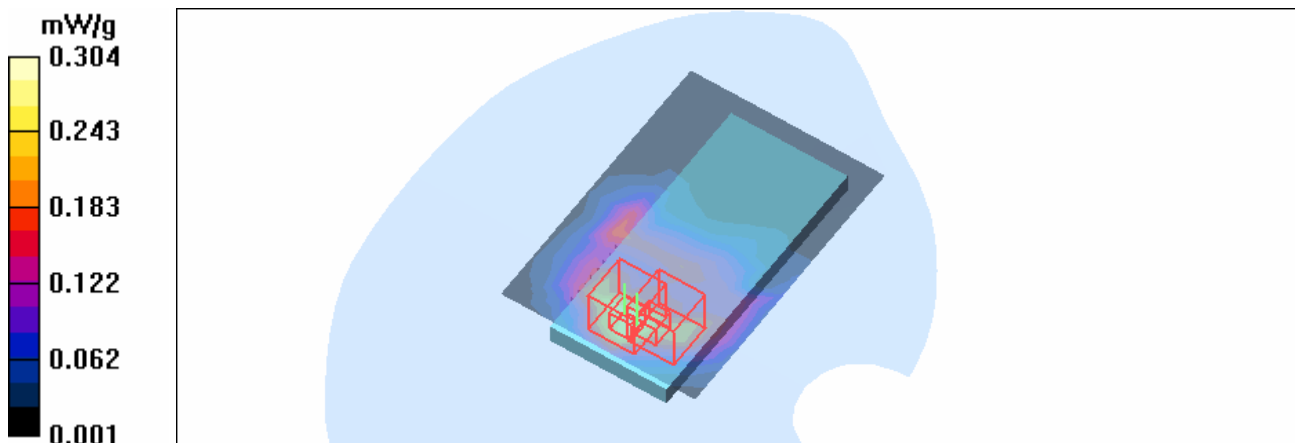
**Mid Channel 46/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.23 V/m

Peak SAR (extrapolated) = 0.572 W/kg

**SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.266 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 54-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5270 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5270 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.42$  mho/m;  $\epsilon_r = 50.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 54/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

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

**Mid Channel 54/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.60 V/m

Peak SAR (extrapolated) = 0.620 W/kg

**SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.287 mW/g

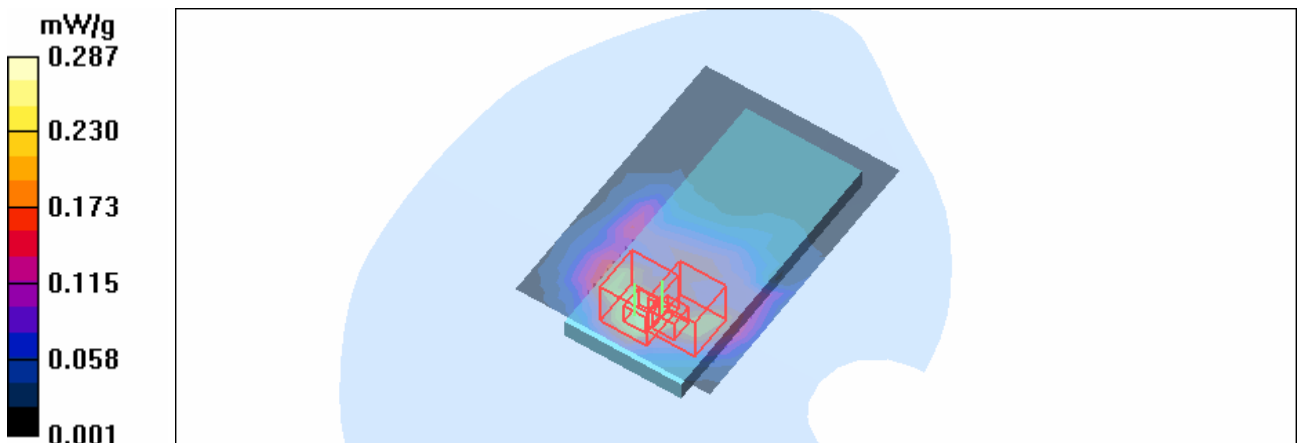
**Mid Channel 54/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.60 V/m

Peak SAR (extrapolated) = 0.571 W/kg

**SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.060 mW/g**

Maximum value of SAR (measured) = 0.257 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 62-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5310 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5310 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5310 \text{ MHz}$ ;  $\sigma = 5.47 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 62/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.279 mW/g

**Mid Channel 62/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.59 V/m

Peak SAR (extrapolated) = 0.638 W/kg

**SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.298 mW/g

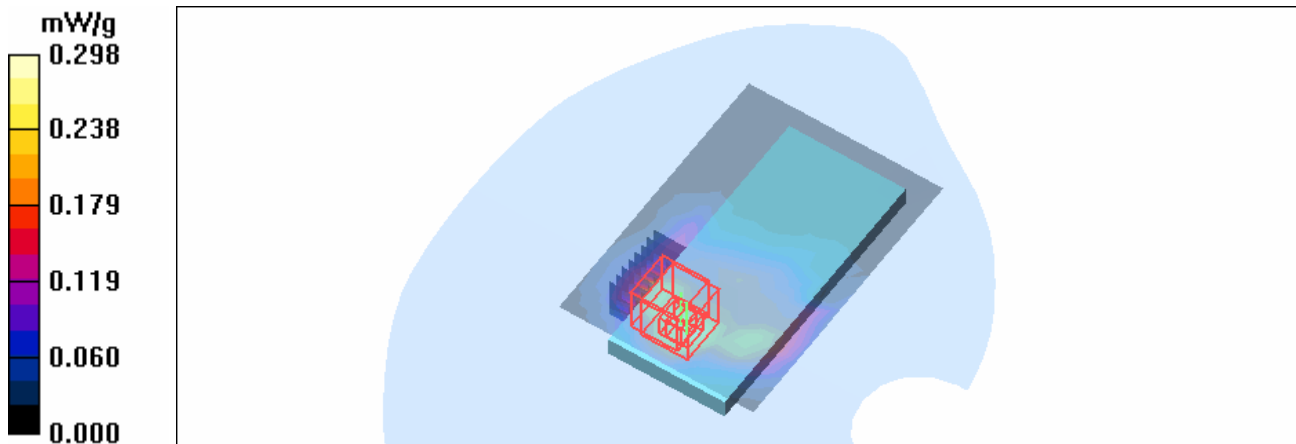
**Mid Channel 62/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.59 V/m

Peak SAR (extrapolated) = 0.626 W/kg

**SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.076 mW/g**

Maximum value of SAR (measured) = 0.291 mW/g





Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 102-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5510 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5510 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5510$  MHz;  $\sigma = 5.77$  mho/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 102/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.224 mW/g

**Mid Channel 102/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.61 V/m

Peak SAR (extrapolated) = 0.641 W/kg

**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.089 mW/g**

Maximum value of SAR (measured) = 0.275 mW/g

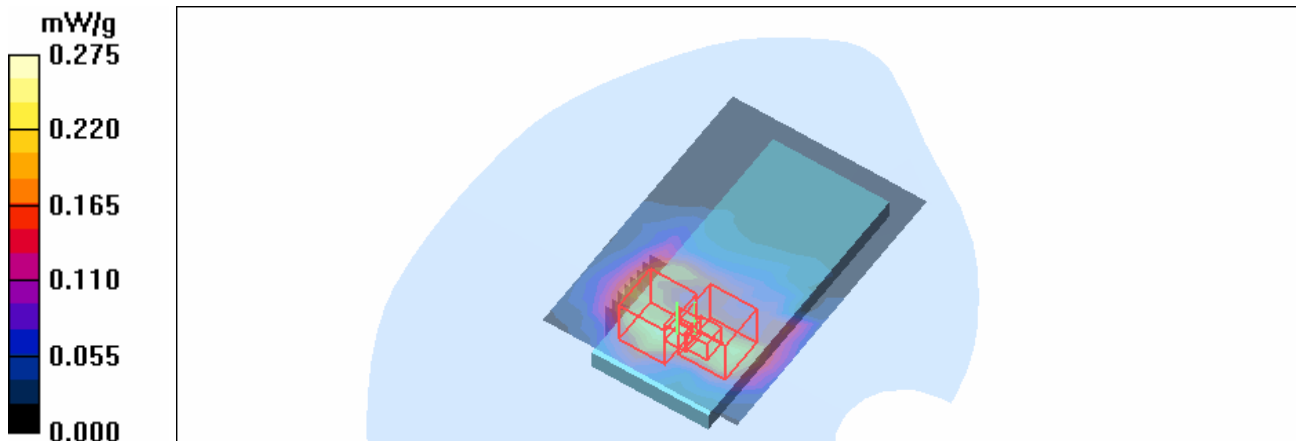
**Mid Channel 102/Zoom Scan (8x8x8)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.61 V/m

Peak SAR (extrapolated) = 0.552 W/kg

**SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.059 mW/g**

Maximum value of SAR (measured) = 0.249 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 118-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5590 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5590 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5590 \text{ MHz}$ ;  $\sigma = 5.89 \text{ mho/m}$ ;  $\epsilon_r = 50.4$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 118/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.262 mW/g

**Mid Channel 118/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.25 V/m

Peak SAR (extrapolated) = 0.645 W/kg

**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.071 mW/g**

Maximum value of SAR (measured) = 0.281 mW/g

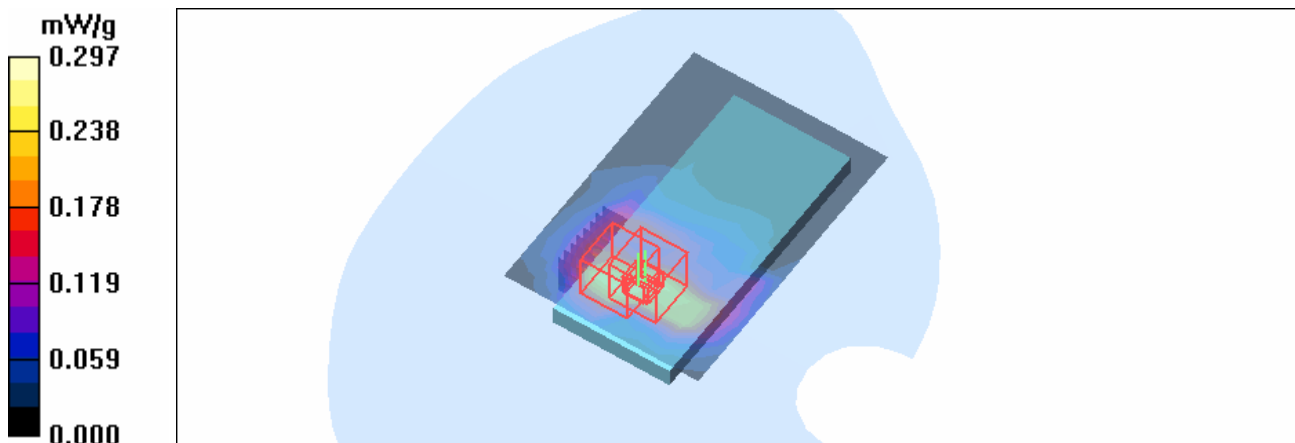
**Mid Channel 118/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.25 V/m

Peak SAR (extrapolated) = 0.689 W/kg

**SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.069 mW/g**

Maximum value of SAR (measured) = 0.297 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 134-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5670 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5670 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5670 \text{ MHz}$ ;  $\sigma = 6.01 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 134/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.269 mW/g

**Mid Channel 134/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.22 V/m

Peak SAR (extrapolated) = 0.709 W/kg

**SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.295 mW/g

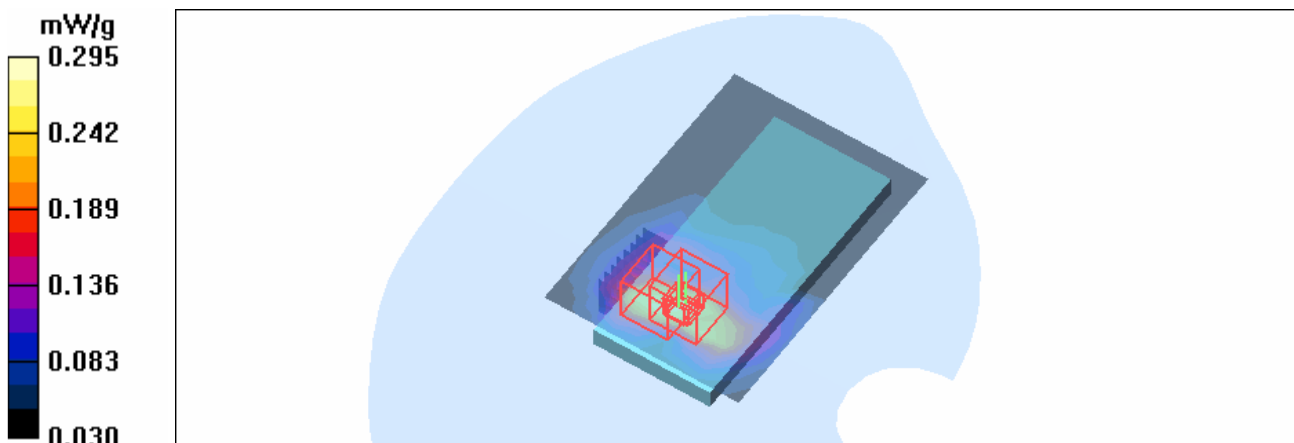
**Mid Channel 134/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.22 V/m

Peak SAR (extrapolated) = 0.649 W/kg

**SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.056 mW/g**

Maximum value of SAR (measured) = 0.291 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 151-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5755 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5755 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5755 \text{ MHz}$ ;  $\sigma = 6.14 \text{ mho/m}$ ;  $\epsilon_r = 50.1$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 151/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.310 mW/g

**Mid Channel 151/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.55 V/m

Peak SAR (extrapolated) = 0.743 W/kg

**SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.071 mW/g**

Maximum value of SAR (measured) = 0.338 mW/g

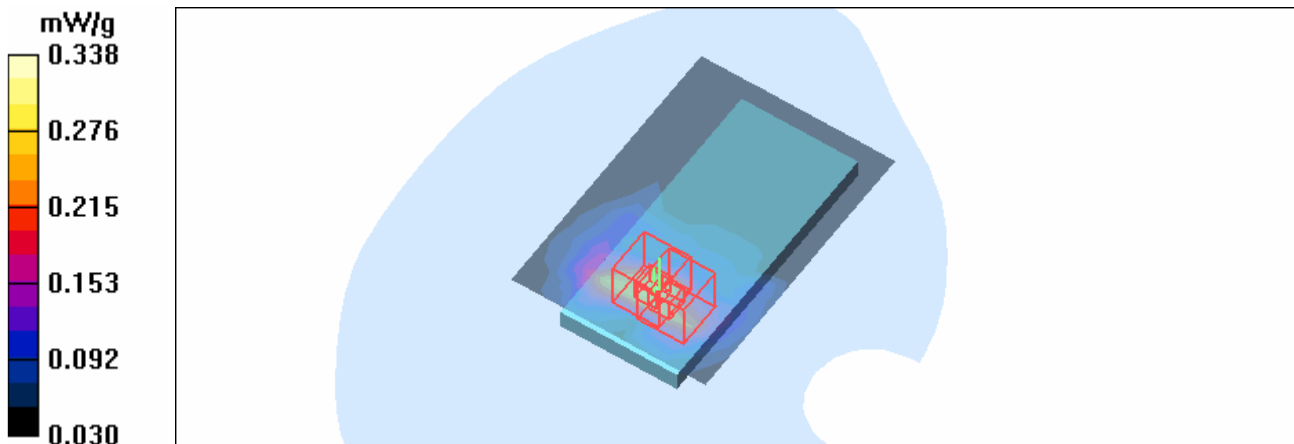
**Mid Channel 151/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.55 V/m

Peak SAR (extrapolated) = 0.838 W/kg

**SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.068 mW/g**

Maximum value of SAR (measured) = 0.325 mW/g



Test Laboratory: Advance Data Technology

**N800C-5G 11n span 40MHz-CH 159-M15**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5795 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5795 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5795 \text{ MHz}$ ;  $\sigma = 6.2 \text{ mho/m}$ ;  $\epsilon_r = 50$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 11 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 159/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.292 mW/g

**High Channel 159/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.43 V/m

Peak SAR (extrapolated) = 0.842 W/kg

**SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.337 mW/g

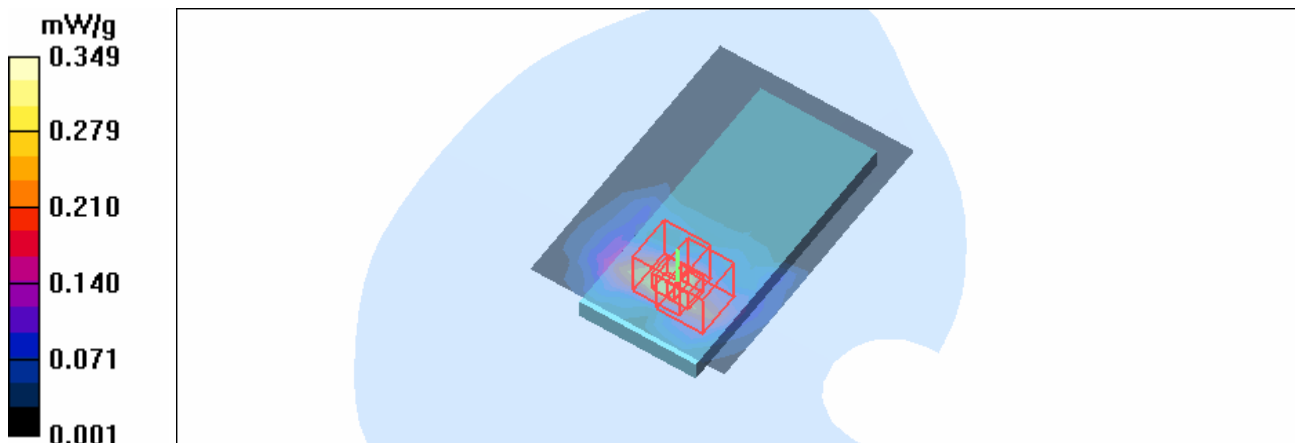
**High Channel 159/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.43 V/m

Peak SAR (extrapolated) = 0.890 W/kg

**SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.063 mW/g**

Maximum value of SAR (measured) = 0.349 mW/g



Test Laboratory: Advance Data Technology

### C600-11a-FCC-M16

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5320 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.49$  mho/m;  $\epsilon_r = 50.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 64/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.406 mW/g

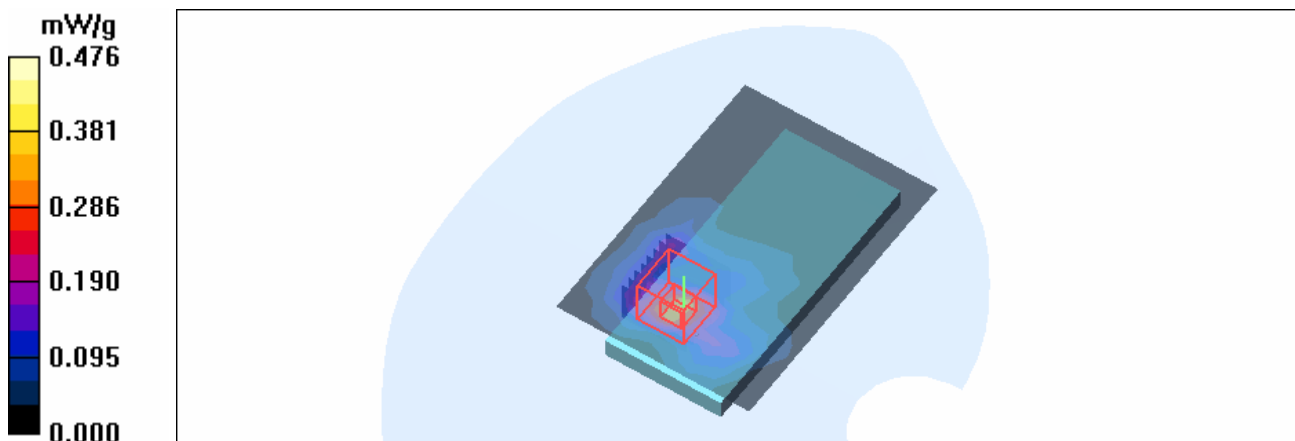
**Mid Channel 64/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.72 V/m

Peak SAR (extrapolated) = 0.992 W/kg

**SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.091 mW/g**

Maximum value of SAR (measured) = 0.476 mW/g



Test Laboratory: Advance Data Technology

### C600-11a-FCC-M16

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5700 MHz**

Communication System: 802.11a ; Frequency: 5700 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5700 \text{ MHz}$ ;  $\sigma = 6.06 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 140/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.306 mW/g

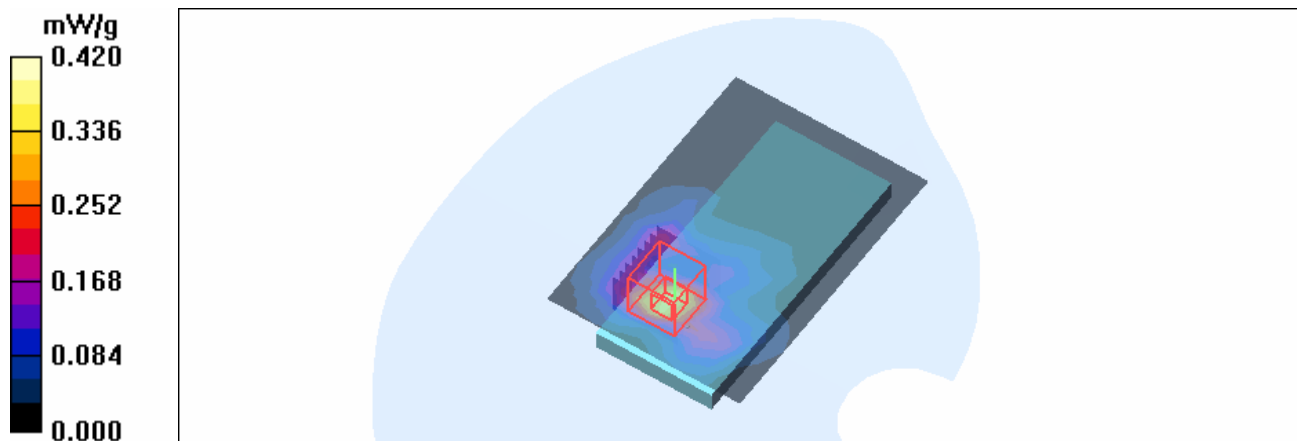
**Mid Channel 140/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.75 V/m

Peak SAR (extrapolated) = 0.958 W/kg

**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.062 mW/g**

Maximum value of SAR (measured) = 0.358 mW/g



Test Laboratory: Advance Data Technology

### C600-11a-FCC-M16

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5825 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.25 \text{ mho/m}$ ;  $\epsilon_r = 49.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 165/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.295 mW/g

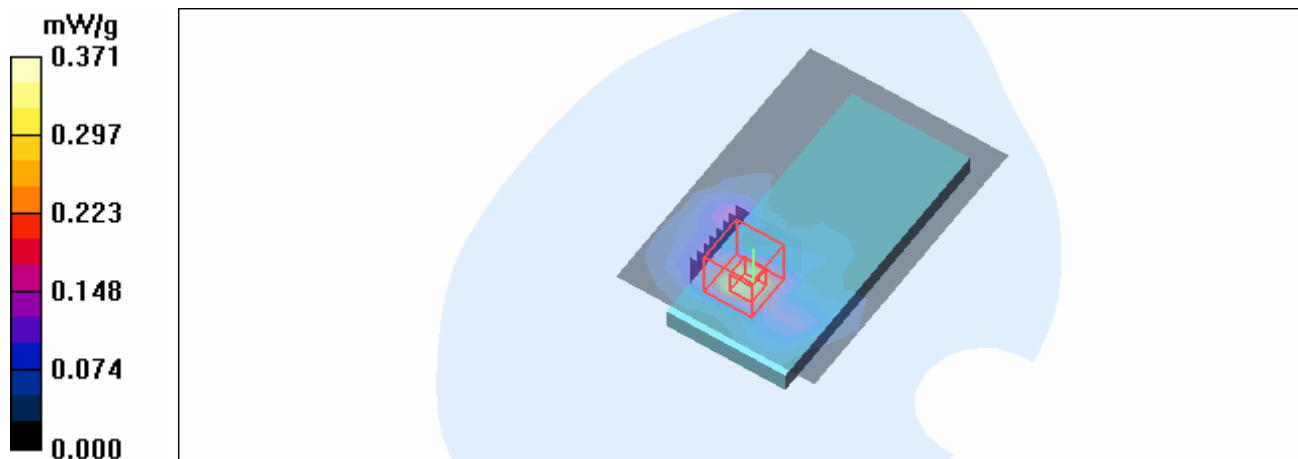
**High Channel 165/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.35 V/m

Peak SAR (extrapolated) = 0.910 W/kg

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.077 mW/g**

Maximum value of SAR (measured) = 0.371 mW/g





Test Laboratory: Advance Data Technology

### C600-11n 5G span20-FCC-M17

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5320 MHz**

Communication System: 5G 11n span20 ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.49$  mho/m;  $\epsilon_r = 50.9$  ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 64/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.308 mW/g

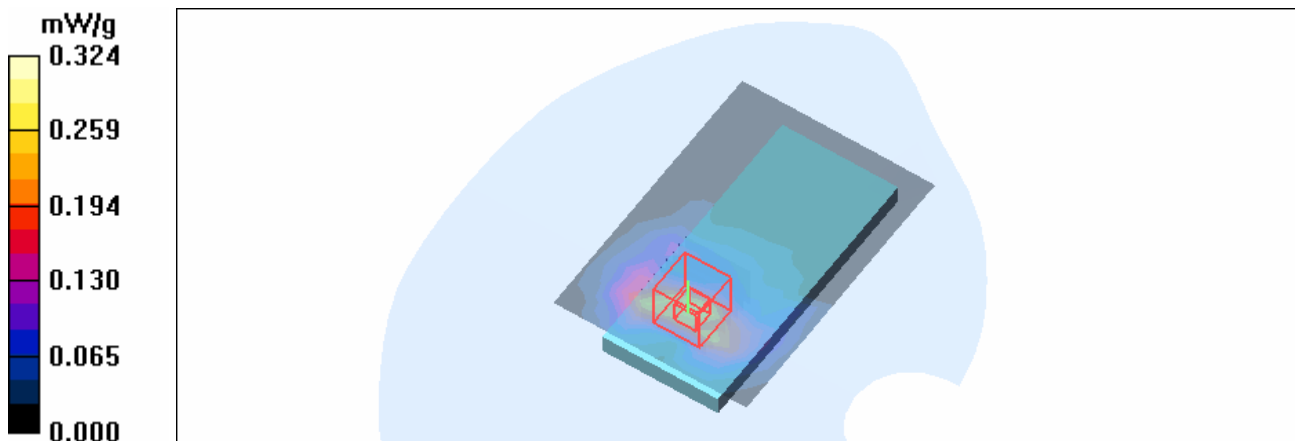
**Mid Channel 64/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.13 V/m

Peak SAR (extrapolated) = 0.711 W/kg

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.071 mW/g**

Maximum value of SAR (measured) = 0.324 mW/g



Test Laboratory: Advance Data Technology

**C600-11n 5G span20-FCC-M17****DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5700 MHz**

Communication System: 5G 11n span20 ; Frequency: 5700 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 6.06$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 140/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.328 mW/g

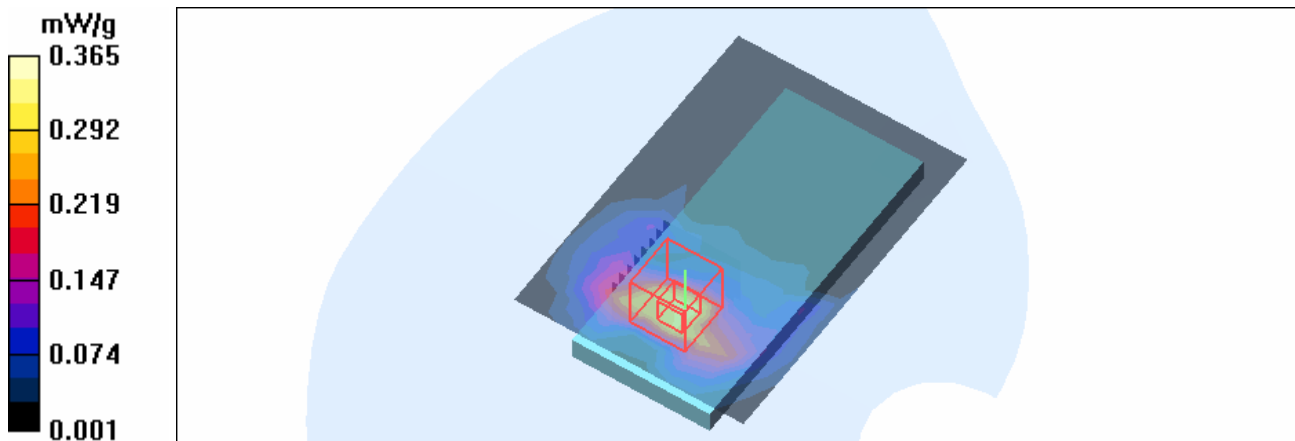
**Mid Channel 140/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.98 V/m

Peak SAR (extrapolated) = 0.844 W/kg

**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.365 mW/g



Test Laboratory: Advance Data Technology

**C600-11n 5G span20-FCC-M17**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5825 MHz**

Communication System: 5G 11n span20 ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.25 \text{ mho/m}$ ;  $\epsilon_r = 49.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 165/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.261 mW/g

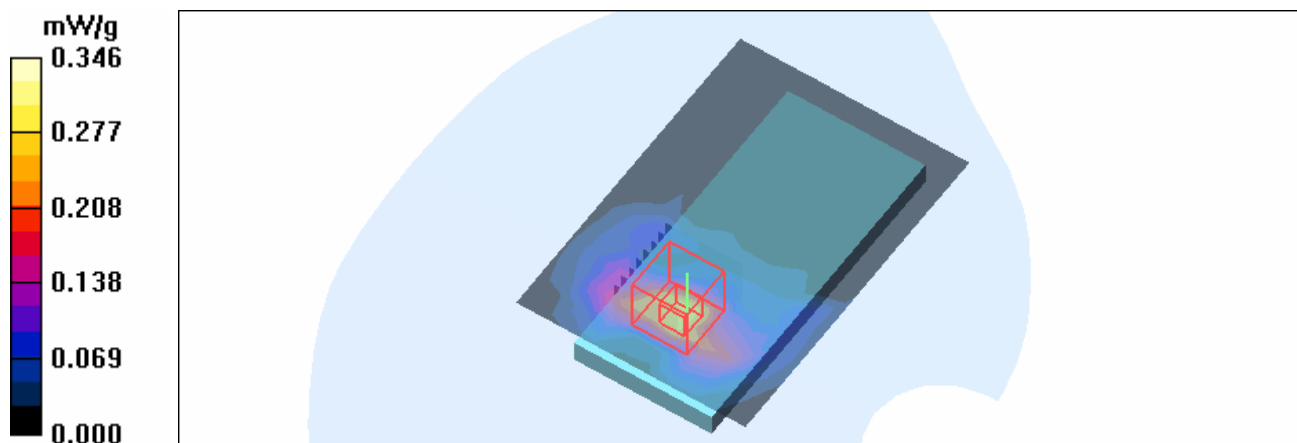
**High Channel 165/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.86 V/m

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.062 mW/g**

Maximum value of SAR (measured) = 0.346 mW/g



Test Laboratory: Advance Data Technology

**C600-11n 5G span40-FCC-M18**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5230 MHz**

Communication System: 5G 11n span40 ; Frequency: 5230 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5230 \text{ MHz}$ ;  $\sigma = 5.36 \text{ mho/m}$ ;  $\epsilon_r = 51.1$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 46/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.237 mW/g

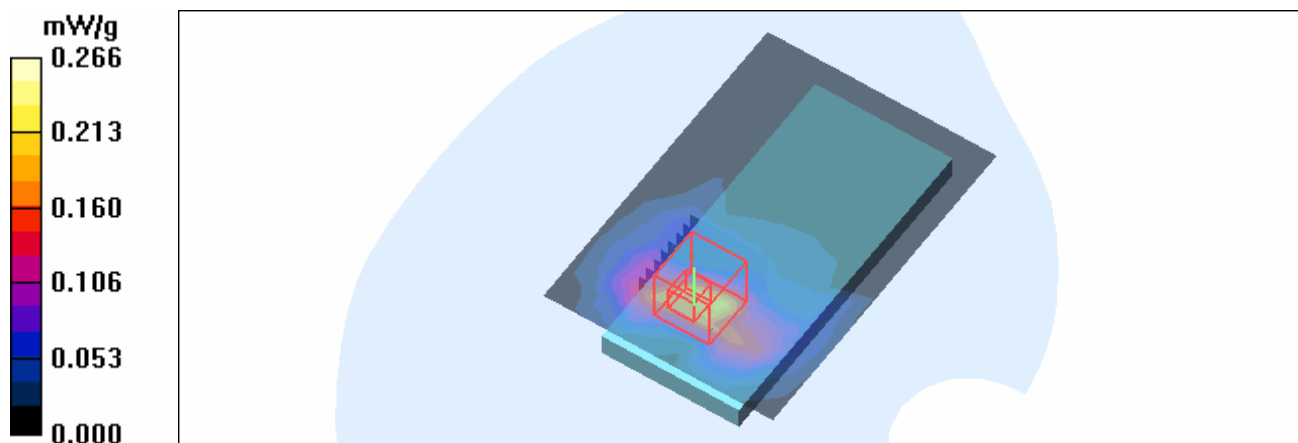
**Mid Channel 46/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.01 V/m

Peak SAR (extrapolated) = 0.619 W/kg

**SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.054 mW/g**

Maximum value of SAR (measured) = 0.266 mW/g



Test Laboratory: Advance Data Technology

**C600-11n 5G span40-FCC-M18**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5510 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5510 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5510 \text{ MHz}$ ;  $\sigma = 5.77 \text{ mho/m}$ ;  $\epsilon_r = 50.6$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 102/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.228 mW/g

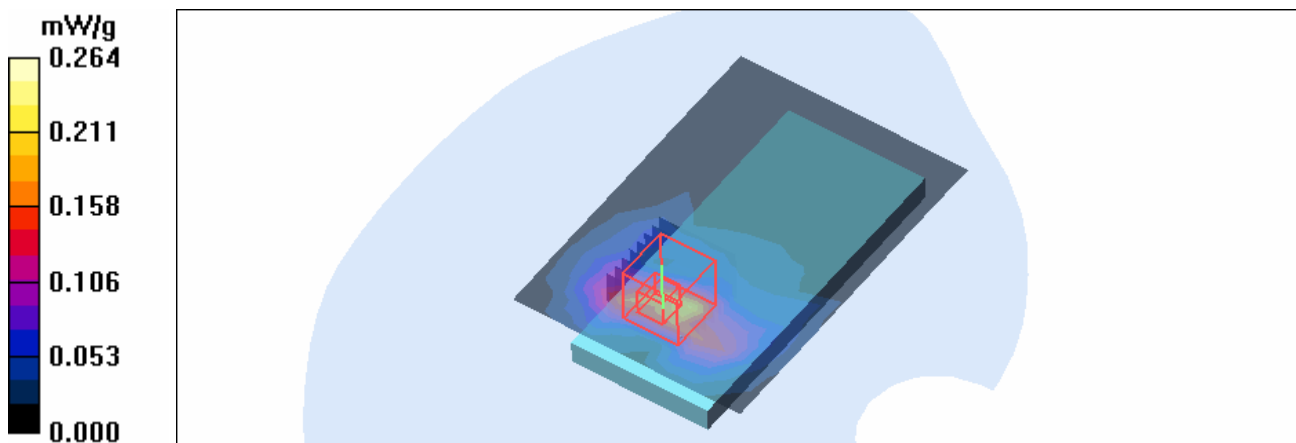
**Mid Channel 102/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.08 V/m

Peak SAR (extrapolated) = 0.580 W/kg

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.264 mW/g



Test Laboratory: Advance Data Technology

### C600-11n 5G span40-FCC-M18

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5795 MHz**

Communication System: 5G 11n span40 ; Frequency: 5795 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5795$  MHz;  $\sigma = 6.2$  mho/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 12 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 159/Area Scan (10x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.262 mW/g

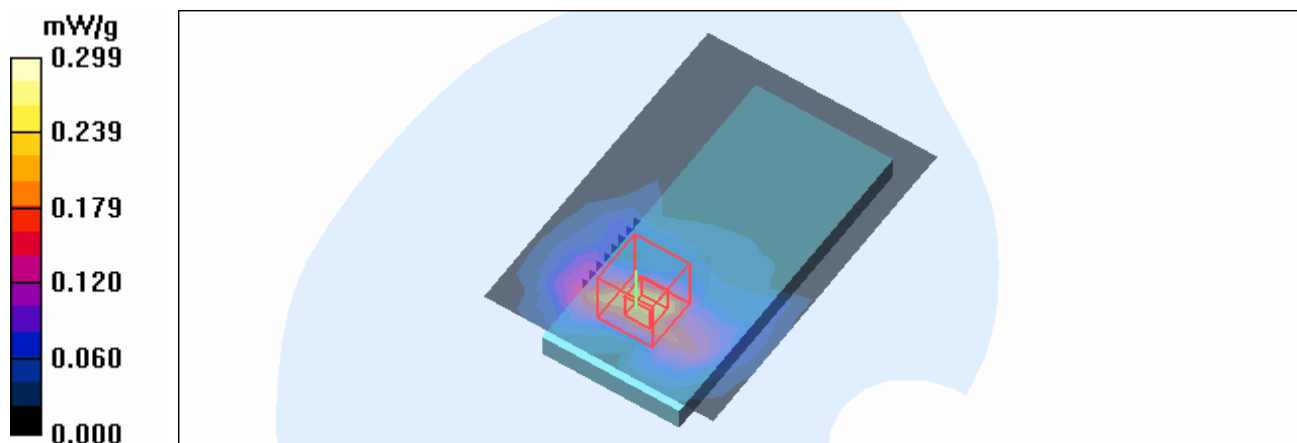
**Mid Channel 159/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.16 V/m

Peak SAR (extrapolated) = 0.796 W/kg

**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.065 mW/g**

Maximum value of SAR (measured) = 0.299 mW/g



Test Laboratory: Advance Data Technology

**D600-11a-FCC-M19**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5320 MHz**

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK  
 Medium: MSL5800 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.47 \text{ mho/m}$ ;  $\epsilon_r = 50.6$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

**DASY4 Configuration:**

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 64/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.303 mW/g

**Mid Channel 64/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.74 V/m

Peak SAR (extrapolated) = 0.671 W/kg

**SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.315 mW/g

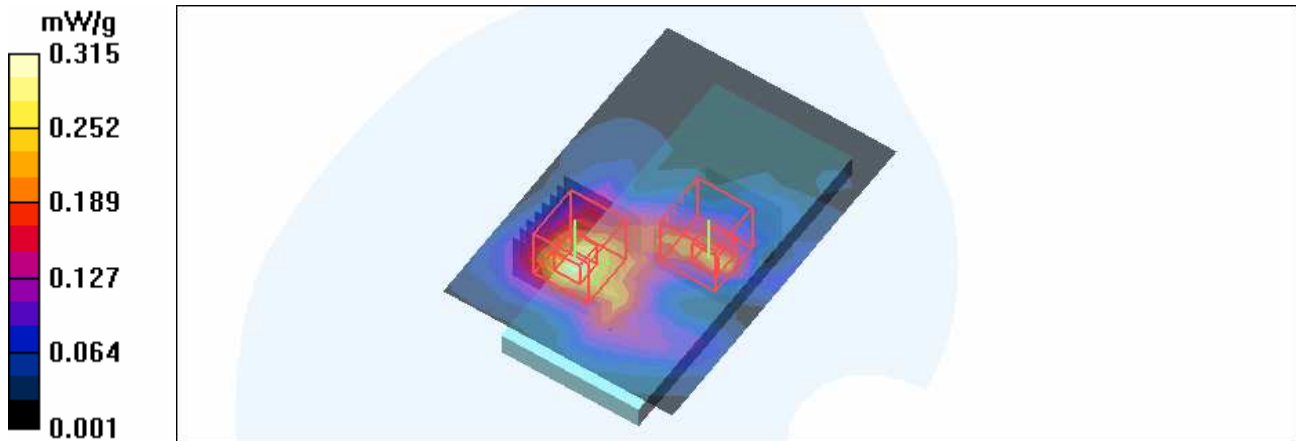
**Mid Channel 64/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.74 V/m

Peak SAR (extrapolated) = 0.464 W/kg

**SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.053 mW/g**

Maximum value of SAR (measured) = 0.224 mW/g



Test Laboratory: Advance Data Technology

**D600-11a-FCC-M19**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5700 MHz**

Communication System: 802.11a ; Frequency: 5700 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5700 \text{ MHz}$ ;  $\sigma = 6.04 \text{ mho/m}$ ;  $\epsilon_r = 49.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 140/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.219 mW/g

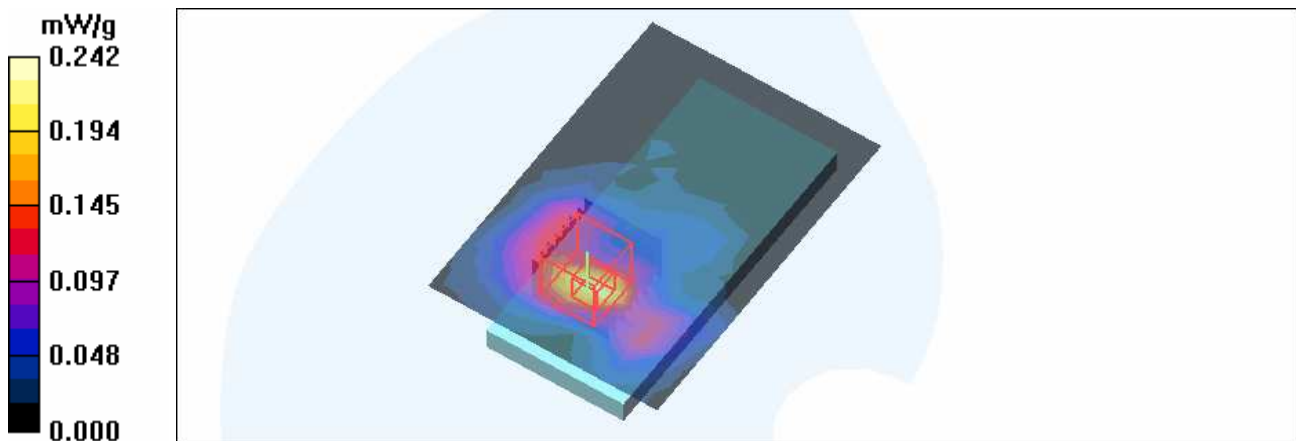
**Mid Channel 140/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 5.31 V/m

Peak SAR (extrapolated) = 0.570 W/kg

**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.242 mW/g





Test Laboratory: Advance Data Technology

**D600-11a-FCC-M19**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5825 MHz**

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

Medium: MSL5800 Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.23 \text{ mho/m}$ ;  $\epsilon_r = 49.6$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 165/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.251 mW/g

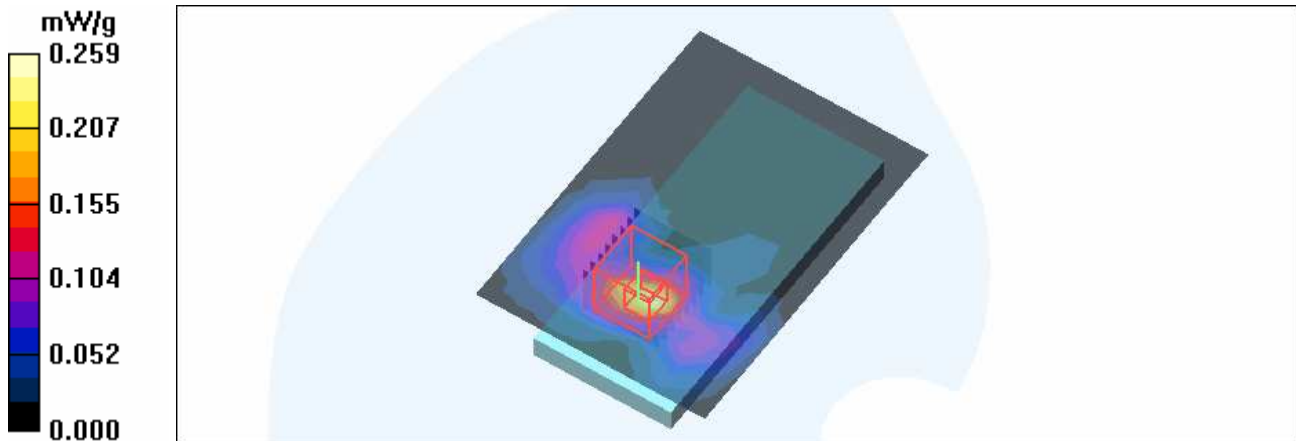
**High Channel 165/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.83 V/m

Peak SAR (extrapolated) = 0.491 W/kg

**SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.056 mW/g**

Maximum value of SAR (measured) = 0.259 mW/g



Test Laboratory: Advance Data Technology

**D600-11n 5G span20-FCC-M20**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5320 MHz**

Communication System: 5G 11n span20 ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.47 \text{ mho/m}$ ;  $\epsilon_r = 50.6$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.05, 4.05, 4.05) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 64/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.191 mW/g

**Mid Channel 64/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.36 V/m

Peak SAR (extrapolated) = 0.449 W/kg

**SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.046 mW/g**

Maximum value of SAR (measured) = 0.201 mW/g

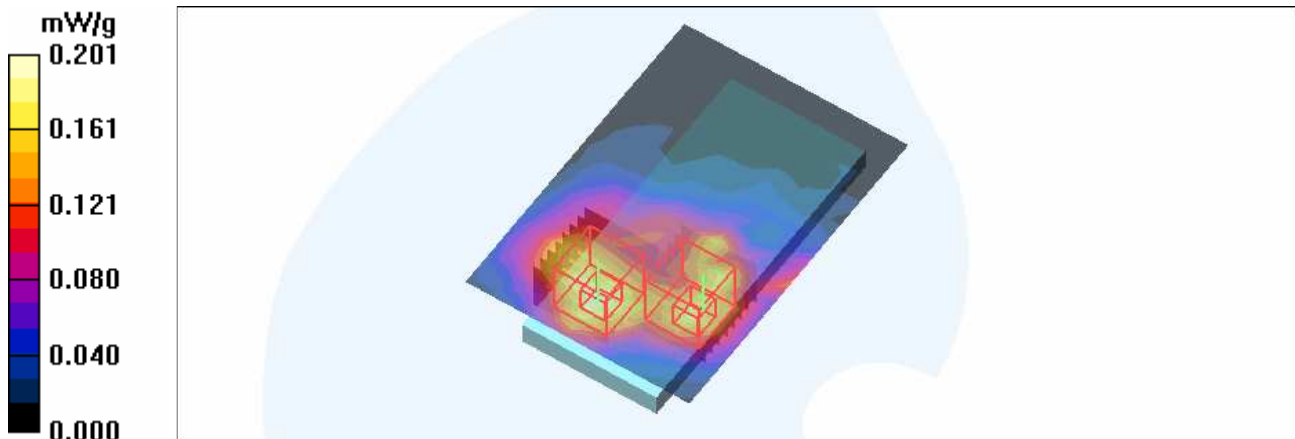
**Mid Channel 64/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.36 V/m

Peak SAR (extrapolated) = 0.354 W/kg

**SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.038 mW/g**

Maximum value of SAR (measured) = 0.172 mW/g



Test Laboratory: Advance Data Technology

**D600-11n 5G span20-FCC-M20**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5700 MHz**

Communication System: 5G 11n span20 ; Frequency: 5700 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5700 \text{ MHz}$ ;  $\sigma = 6.04 \text{ mho/m}$ ;  $\epsilon_r = 49.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 140/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.241 mW/g

**Mid Channel 140/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.91 V/m

Peak SAR (extrapolated) = 0.467 W/kg

**SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.058 mW/g**

Maximum value of SAR (measured) = 0.257 mW/g

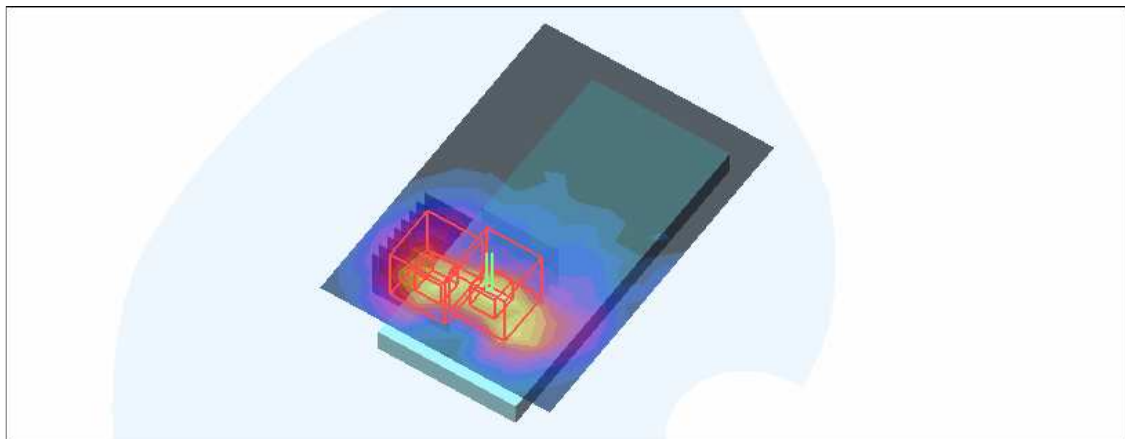
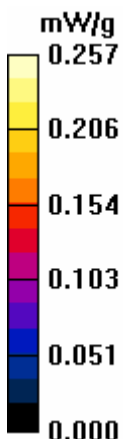
**Mid Channel 140/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.91 V/m

Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.047 mW/g**

Maximum value of SAR (measured) = 0.202 mW/g



Test Laboratory: Advance Data Technology

**D600-11n 5G span20-FCC-M20**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5825 MHz**

Communication System: 5G 11n span20 ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.23 \text{ mho/m}$ ;  $\epsilon_r = 49.6$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**High Channel 165/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.219 mW/g

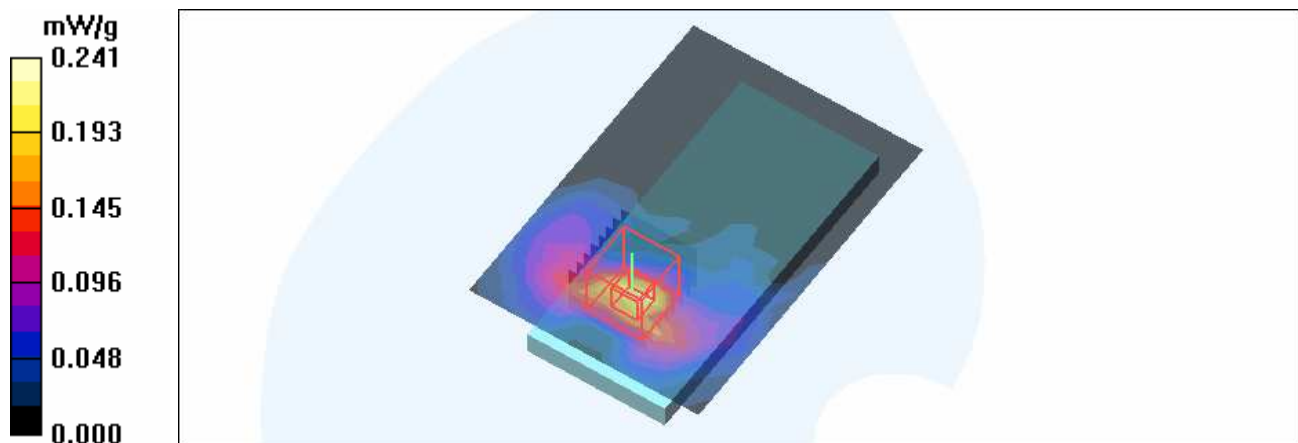
**High Channel 165/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.89 V/m

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.048 mW/g**

Maximum value of SAR (measured) = 0.241 mW/g



Test Laboratory: Advance Data Technology

**D600-11n 5G span40-FCC-M21**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5230 MHz**

Communication System: 5G 11n span40 ; Frequency: 5230 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5230 \text{ MHz}$ ;  $\sigma = 5.34 \text{ mho/m}$ ;  $\epsilon_r = 50.7$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 46/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.153 mW/g

**Mid Channel 46/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 3.56 V/m

Peak SAR (extrapolated) = 0.353 W/kg

**SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.046 mW/g**

Maximum value of SAR (measured) = 0.168 mW/g

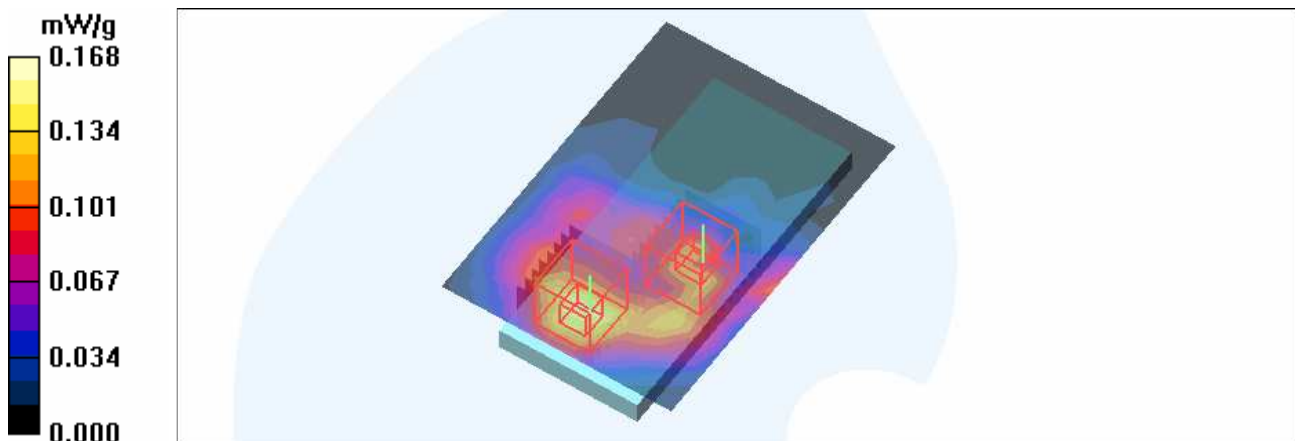
**Mid Channel 46/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 3.56 V/m

Peak SAR (extrapolated) = 0.270 W/kg

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.032 mW/g**

Maximum value of SAR (measured) = 0.147 mW/g



Test Laboratory: Advance Data Technology

**D600-11n 5G span40-FCC-M21**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5510 MHz**

Communication System: 5G 11n span 40 ; Frequency: 5510 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5510 \text{ MHz}$ ;  $\sigma = 5.75 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 102/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.132 mW/g

**Mid Channel 102/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 3.75 V/m

Peak SAR (extrapolated) = 0.296 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.147 mW/g

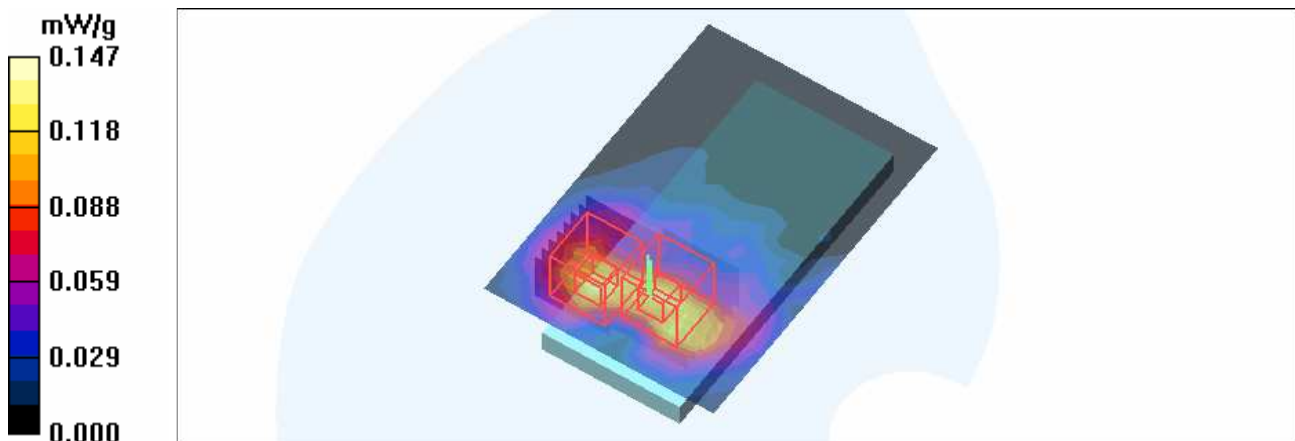
**Mid Channel 102/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 3.75 V/m

Peak SAR (extrapolated) = 0.619 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.142 mW/g



Test Laboratory: Advance Data Technology

**D600-11n 5G span40-FCC-M21**

**DUT: Dual Band Wireless -N Notebook Adapter ; Type: WPC600N ; Test Frequency: 5795 MHz**

Communication System: 5G 11n span40 ; Frequency: 5795 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL5800 Medium parameters used:  $f = 5795 \text{ MHz}$ ;  $\sigma = 6.19 \text{ mho/m}$ ;  $\epsilon_r = 49.6$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level : 155 mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mid Channel 159/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.183 mW/g

**Mid Channel 159/Zoom Scan (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.38 V/m

Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.042 mW/g**

Maximum value of SAR (measured) = 0.190 mW/g

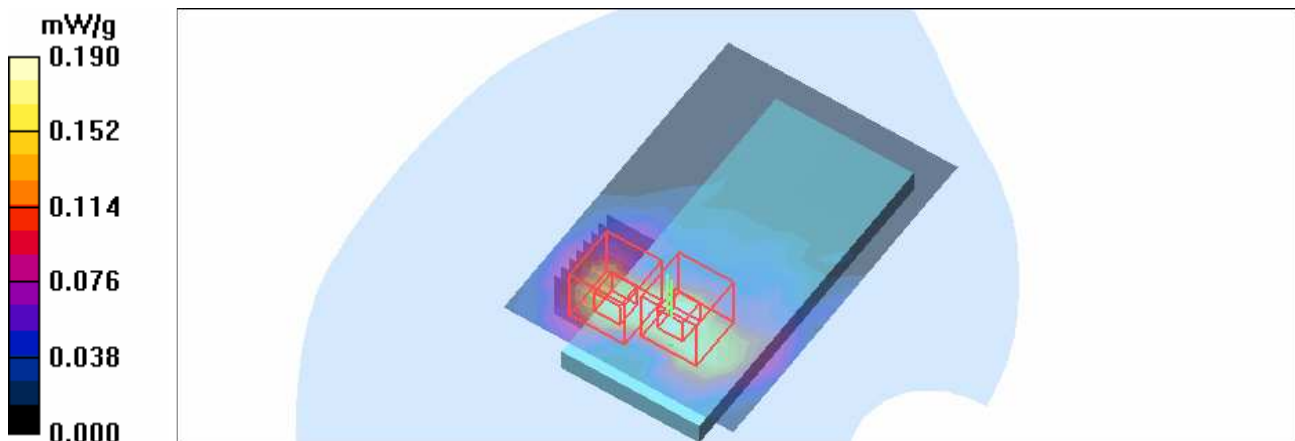
**Mid Channel 159/Zoom Scan (8x8x8)/Cube 1:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

Reference Value = 4.38 V/m

Peak SAR (extrapolated) = 0.283 W/kg

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.163 mW/g



Test Laboratory: Advance Data Technology

### System Validation Check-MSL 2450MHz

**DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 716 ; Test Frequency: 2450 MHz**

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL2450; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.02$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 154 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.8 degrees ; Liquid temp. : 22.6 degrees

#### DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**d=10mm, Pin=250mW/Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 13.8 mW/g

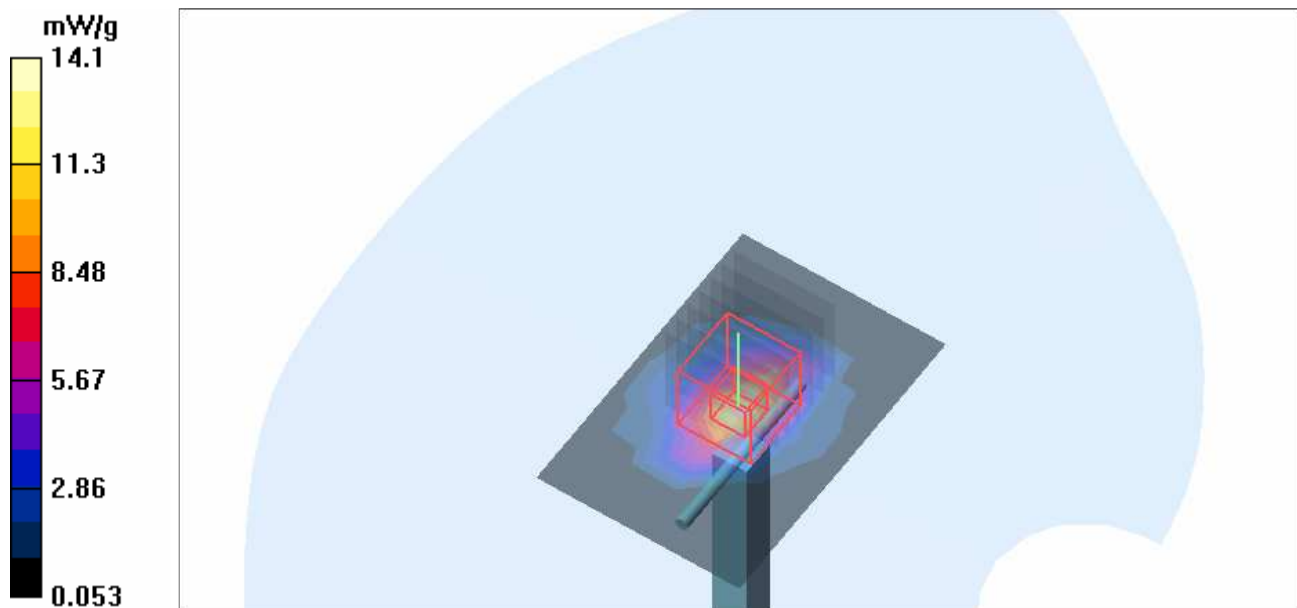
**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.3 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 30.4 W/kg

**SAR(1 g) = 12.7 mW/g; SAR(10 g) = 5.8 mW/g**

Maximum value of SAR (measured) = 14.1 mW/g





Test Laboratory: Advance Data Technology

### System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5200 MHz**

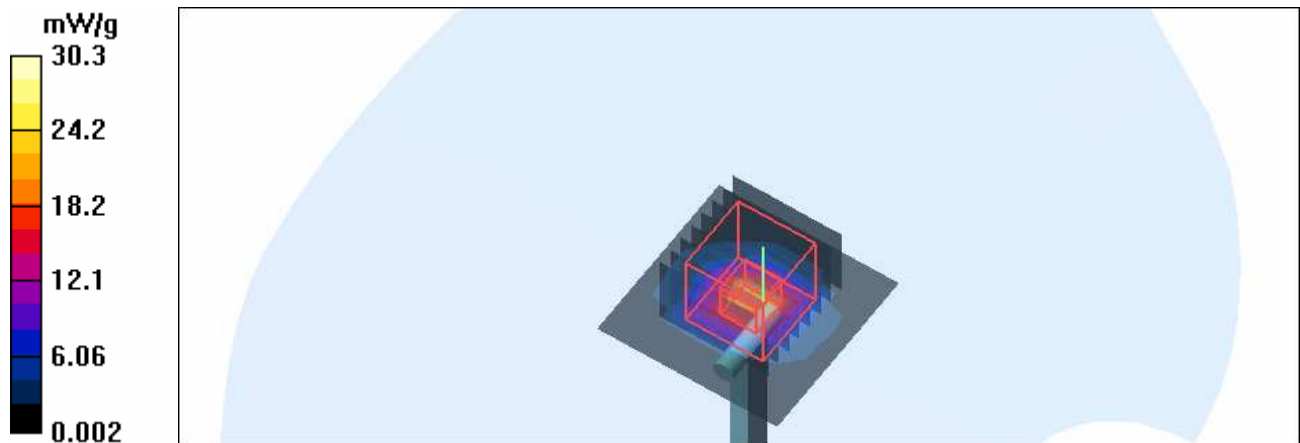
Communication System: CW ; Frequency: 5200 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.32$  mho/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 kg/m<sup>3</sup> ; Liquid level : 150 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

#### DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 20.7 mW/g

**f=5200, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
 Reference Value = 80.1 V/m; Power Drift = -0.036 dB  
 Peak SAR (extrapolated) = 74.0 W/kg  
**SAR(1 g) = 18.5 mW/g; SAR(10 g) = 5.13 mW/g**  
 Maximum value of SAR (measured) = 30.3 mW/g



Test Laboratory: Advance Data Technology

### System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5500 MHz**

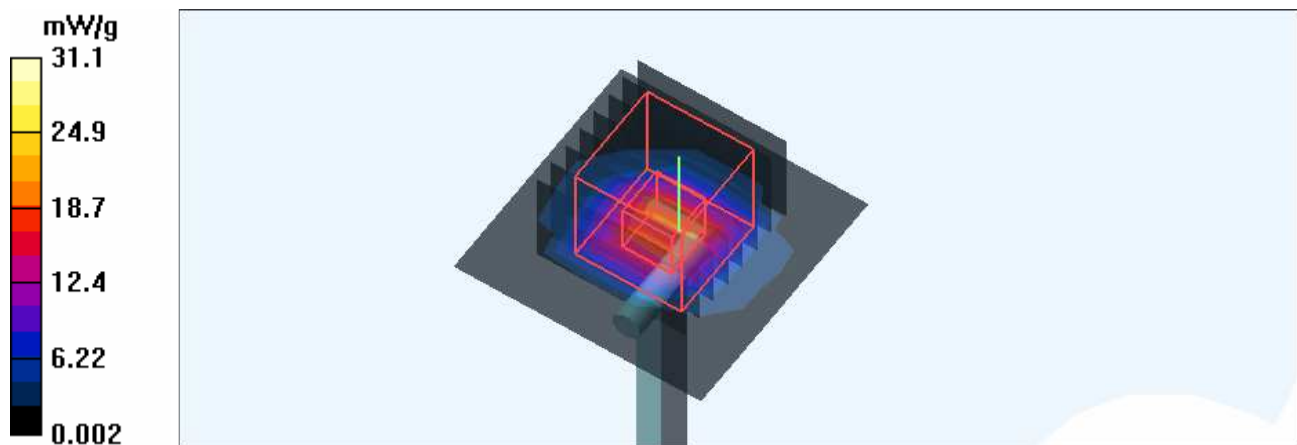
Communication System: CW ; Frequency: 5500 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.76$  mho/m;  $\epsilon_r = 50.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

#### DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.09, 4.09, 4.09) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5500, d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 21.3 mW/g

**f=5500, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
 Reference Value = 76 V/m; Power Drift = -0.086 dB  
 Peak SAR (extrapolated) = 76.0 W/kg  
**SAR(1 g) = 19 mW/g; SAR(10 g) = 5.27 mW/g**  
 Maximum value of SAR (measured) = 31.1 mW/g



Test Laboratory: Advance Data Technology

### System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5800 MHz**

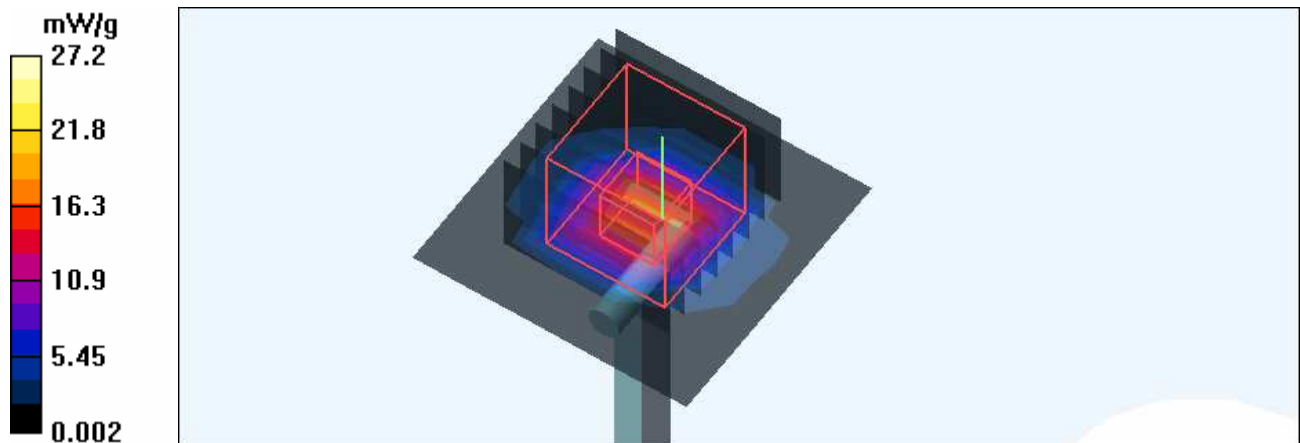
Communication System: CW ; Frequency: 5800 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.22$  mho/m;  $\epsilon_r = 49.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.5 degrees ; Liquid temp. : 22.3 degrees

#### DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5800, d=10mm, Pin=250mW/Area Scan (6x6x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 18.6 mW/g

**f=5800, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
 Reference Value = 69.8 V/m; Power Drift = -0.054 dB  
 Peak SAR (extrapolated) = 69.6 W/kg  
**SAR(1 g) = 16.6 mW/g; SAR(10 g) = 4.61 mW/g**  
 Maximum value of SAR (measured) = 27.2 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5200 MHz**

Communication System: CW ; Frequency: 5200 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.31$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; kg/m<sup>3</sup> ; Liquid level : 151 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 18.6 mW/g

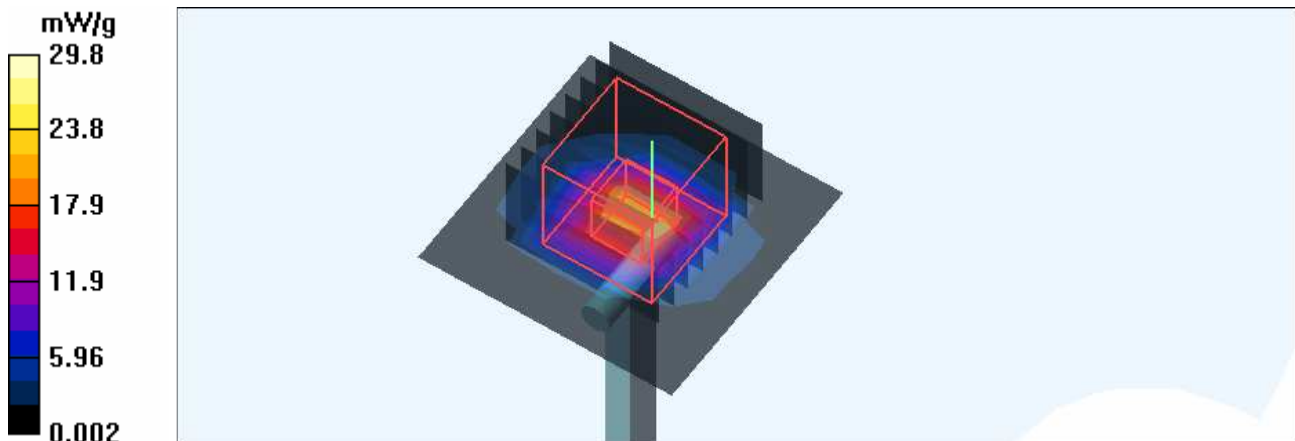
**f=5200, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 79.2 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 66.1 W/kg

**SAR(1 g) = 18.3 mW/g; SAR(10 g) = 5.09 mW/g**

Maximum value of SAR (measured) = 29.8 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5500 MHz**

Communication System: CW ; Frequency: 5500 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.75$  mho/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.09, 4.09, 4.09) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5500, d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 27.4 mW/g

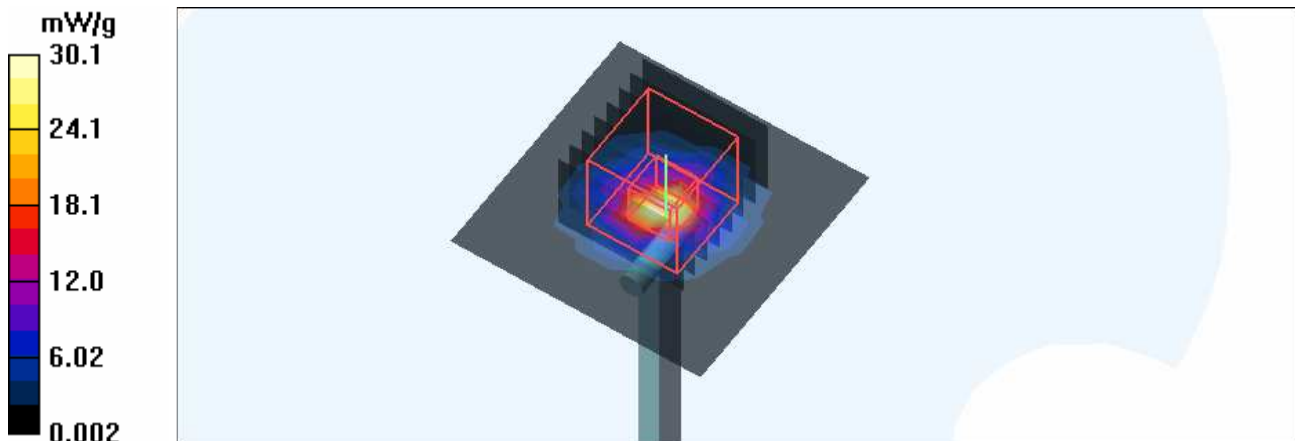
**f=5500, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 74.8 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 73.8 W/kg

**SAR(1 g) = 18.6 mW/g; SAR(10 g) = 5.1 mW/g**

Maximum value of SAR (measured) = 30.1 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5800 MHz**

Communication System: CW ; Frequency: 5800 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.21$  mho/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Liquid level : 151 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 23.6 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5800, d=10mm, Pin=250mW/Area Scan (6x6x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 19.9 mW/g

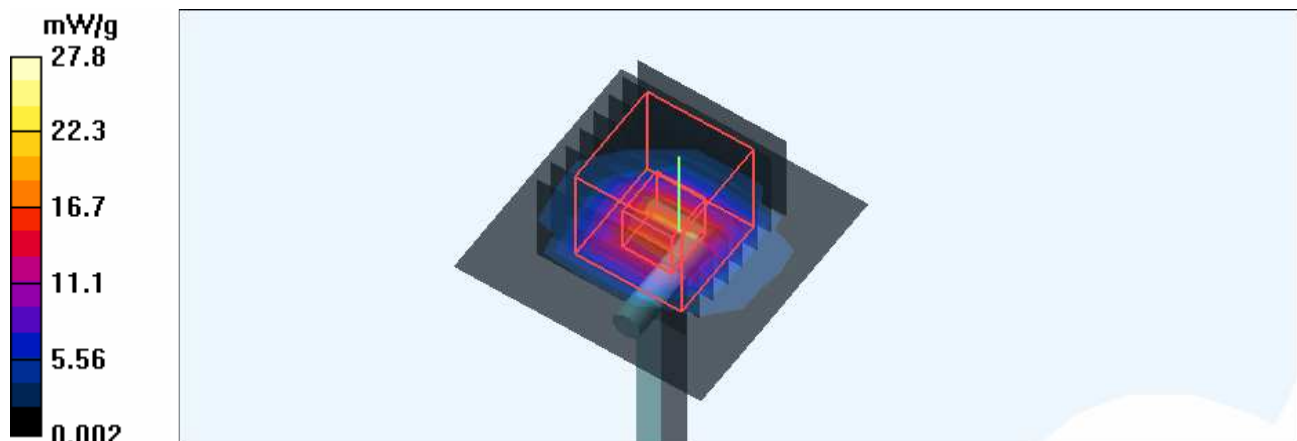
**f=5800, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 70.2 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 71.9 W/kg

**SAR(1 g) = 16.7 mW/g; SAR(10 g) = 4.65 mW/g**

Maximum value of SAR (measured) = 27.8 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5200 MHz**

Communication System: CW ; Frequency: 5200 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.29$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 155 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 22.9 mW/g

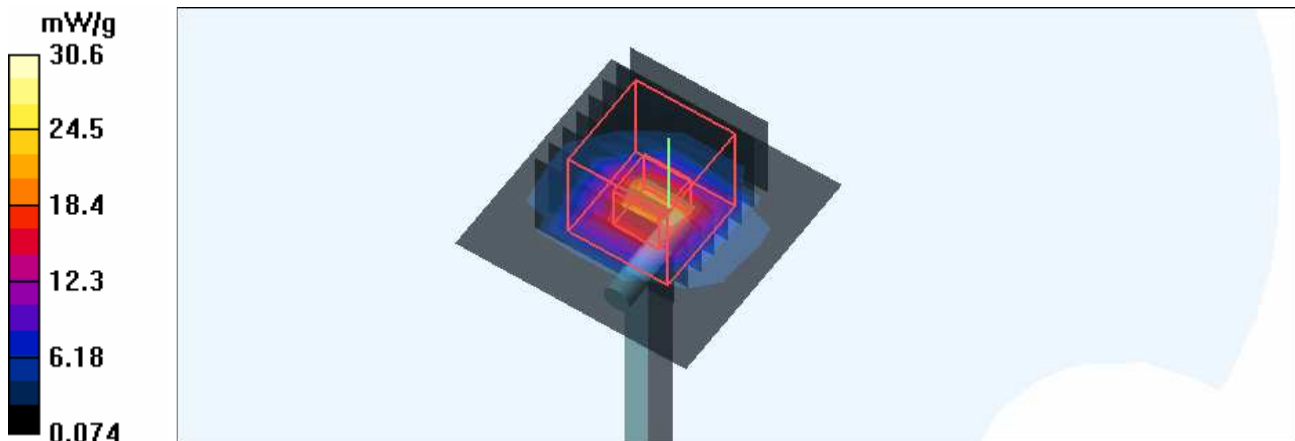
**f=5200, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 81.3 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 76.2 W/kg

**SAR(1 g) = 18.6 mW/g; SAR(10 g) = 5.23 mW/g**

Maximum value of SAR (measured) = 30.6 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5500 MHz**

Communication System: CW ; Frequency: 5500 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.74$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 155 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.09, 4.09, 4.09) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5500, d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 20.6 mW/g

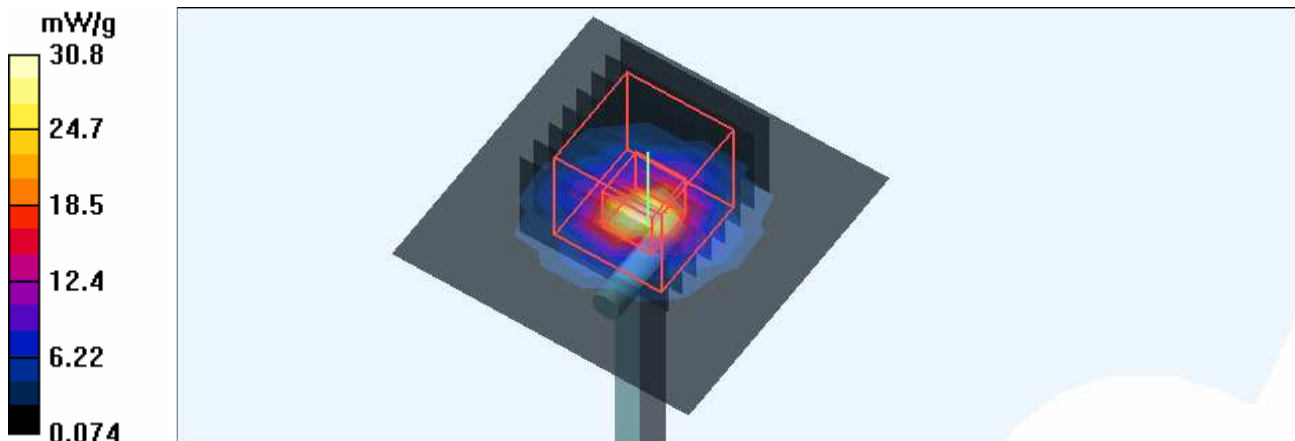
**f=5500, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 77.2 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 73.7 W/kg

**SAR(1 g) = 18.8 mW/g; SAR(10 g) = 5.16 mW/g**

Maximum value of SAR (measured) = 30.8 mW/g





Test Laboratory: Advance Data Technology

## System Validation Check-MSL 5GHz

**DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5800 MHz**

Communication System: CW ; Frequency: 5800 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL5800; Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.19$  mho/m;  $\epsilon_r = 49.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 155 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.4 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2006/11/23
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**f=5800, d=10mm, Pin=250mW/Area Scan (6x6x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 20.8 mW/g

**f=5800, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 70.9 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 72.8 W/kg

**SAR(1 g) = 16.8 mW/g; SAR(10 g) = 4.69 mW/g**

Maximum value of SAR (measured) = 28.1 mW/g

