APPENDIX A: TEST CONFIGURATIONS AND TEST DATA
A1: TEST CONFIGURATION

EUT place：Horizontal

NB：Compaq EVO N800C

The bottom of the EUT to the flat phantom distance 2 mm

EUT place：Vertical

NB：Dell C600

The right of the EUT to the flat phantom distance 0 mm

EUT place：Horizontal

NB：Compaq EVO N800C

The bottom of the EUT to the flat phantom distance 0 mm

EUT place：Vertical

NB：Compaq EVO N800C

The left of the EUT to the flat phantom distance 0 mm

EUT place：Vertical

NB：Compaq EVO N800C

The right of the EUT to the flat phantom distance 0 mm

EUT place：Horizontal

NB：Dell C600

The front of the EUT to the flat phantom distance 0 mm

EUT Photo


WIRELESS
802.11a/g


MODEL NAME: DCUA
PRODUCT NAME:
WLAN 802.11 a/b/g USB2.0 Adapter
201NY04215134
201GZ04215135
201WY04215536
Made in Taiwan
WARRANTY VOID IF LABEL REMOVED
MAC ID : 000B6B78096E
S/N : C08451400045C01


WIRELESS


MAC ID : 000B6B78096E
S/N : C08451400045C01

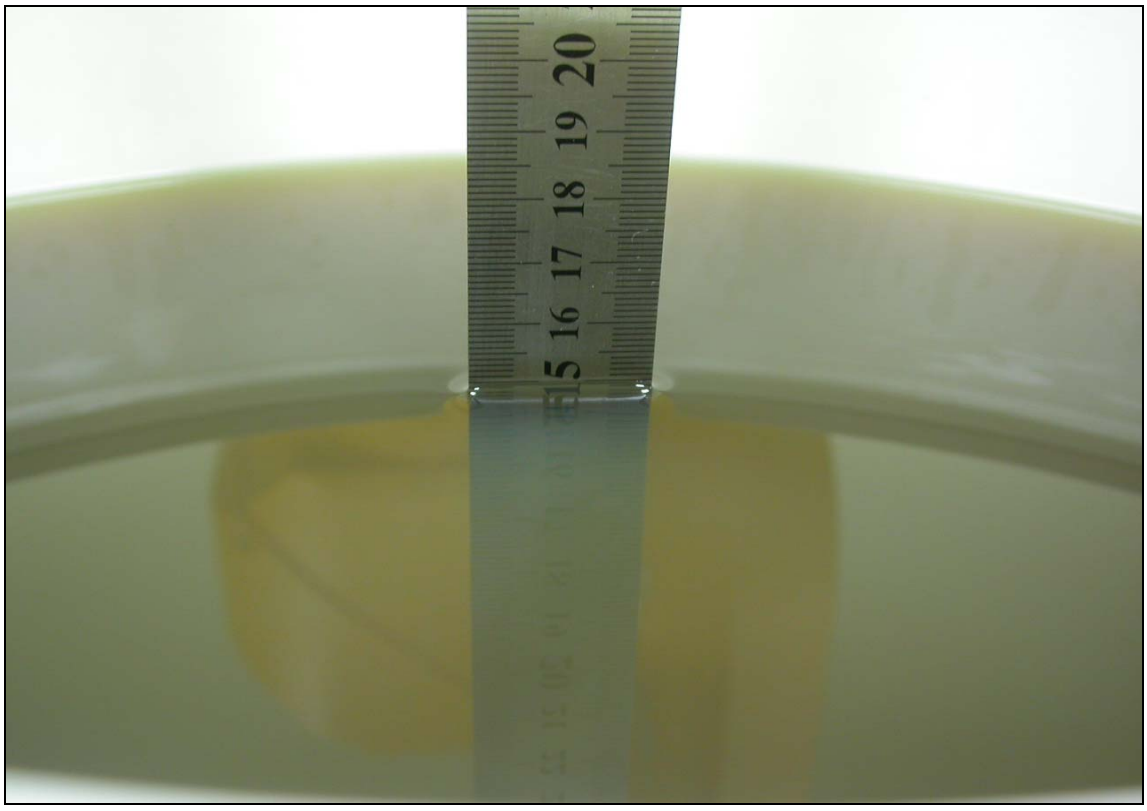

MAC ID : 000B6B78010D


MAC ID : 000B6B78010D

Liquid Level Photo

MSL 2450MHz D=152mm

MSL 5000MHz D=150mm



Date/Time: 2005/6/23 09:30:27

Test Laboratory: Advance Data Technology

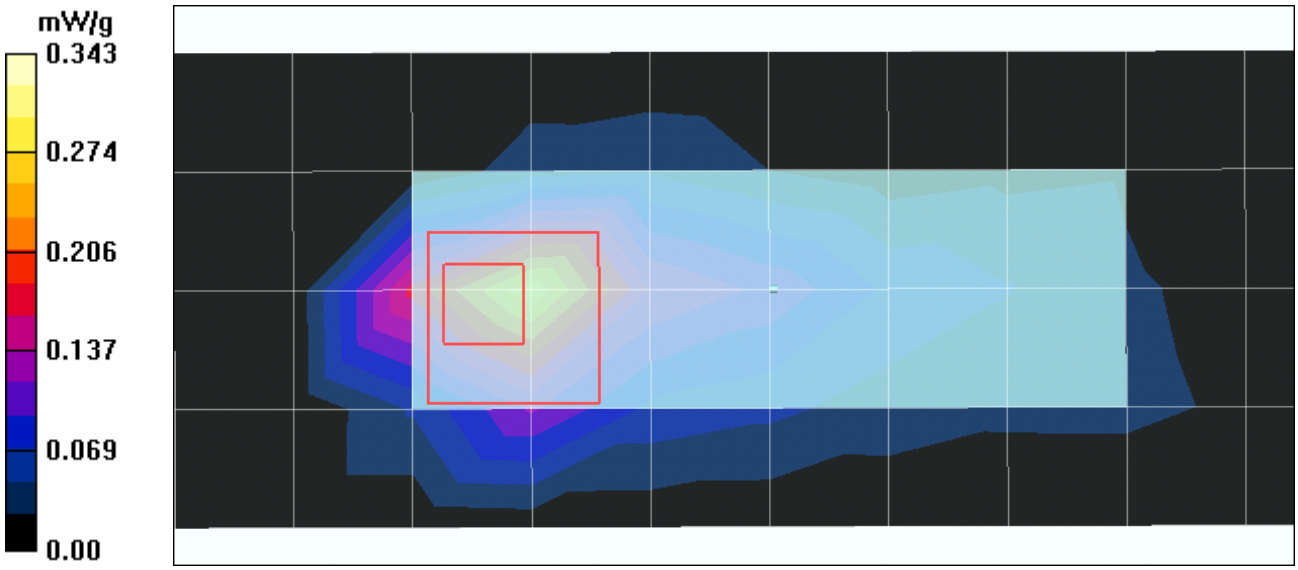
DCUA-81 Horizontal 11b N800C Mode 1

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.95 mho/m; ε_r = 54; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.271 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.38 V/m
Peak SAR (extrapolated) = 0.926 W/kg
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.343 mW/g



Date/Time: 2005/6/23 09:47:57

Test Laboratory: Advance Data Technology

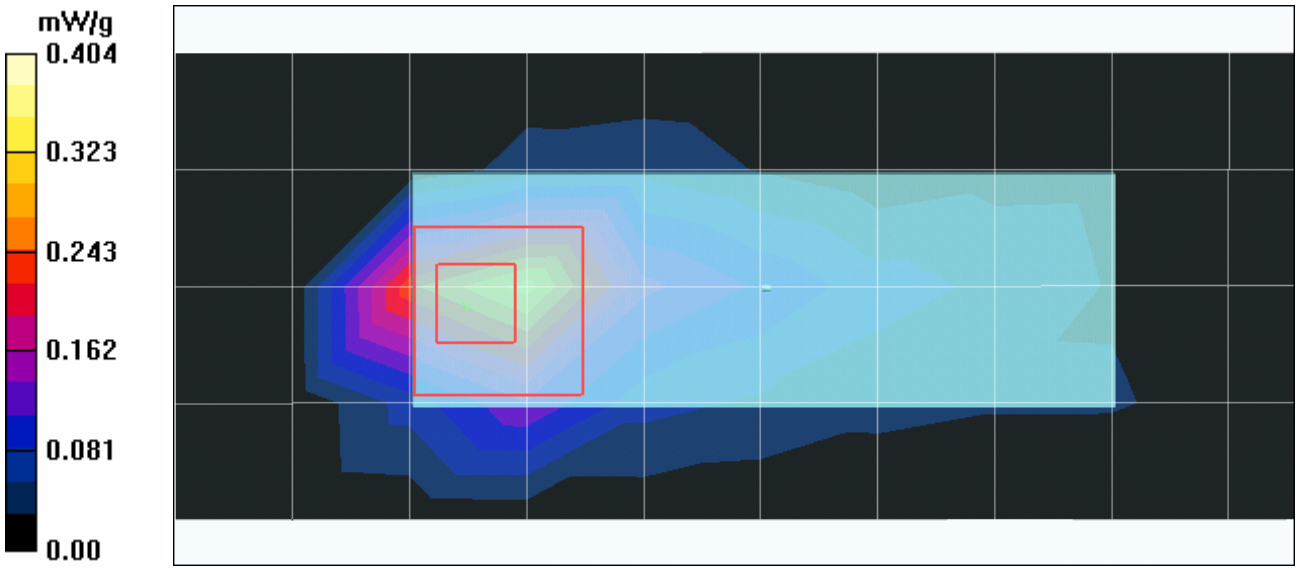
DCUA-81 Horizontal 11b N800C Mode 1

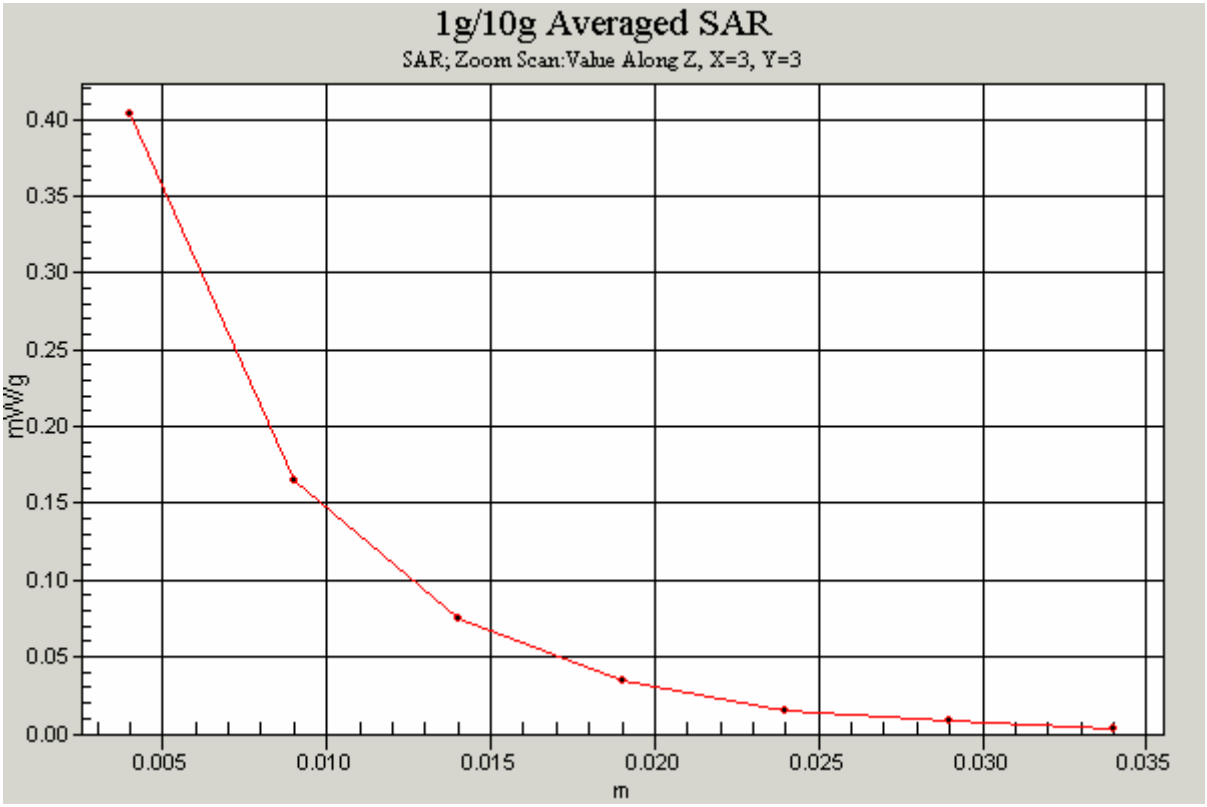
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.311 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.73 V/m
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.144 mW/g
Maximum value of SAR (measured) = 0.404 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=3
mW/g
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/23 10:05:39

Test Laboratory: Advance Data Technology

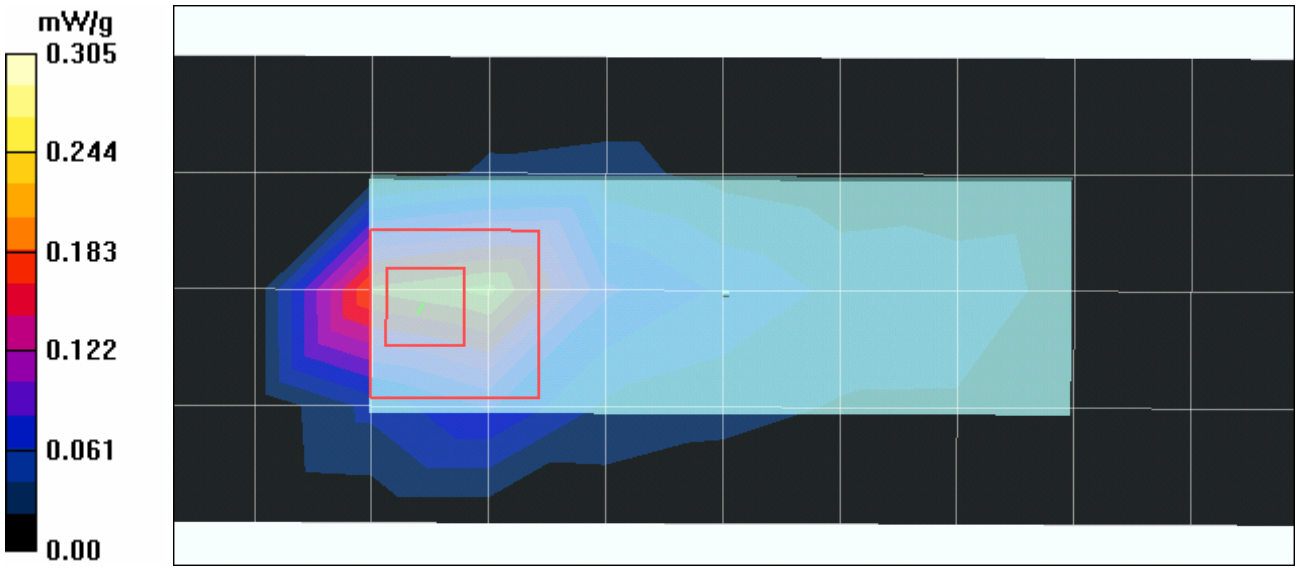
DCUA-81 Horizontal 11b N800C Mode 1

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.211 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.70 V/m
Peak SAR (extrapolated) = 0.875 W/kg
SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.305 mW/g



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Test Laboratory: Advance Data Technology

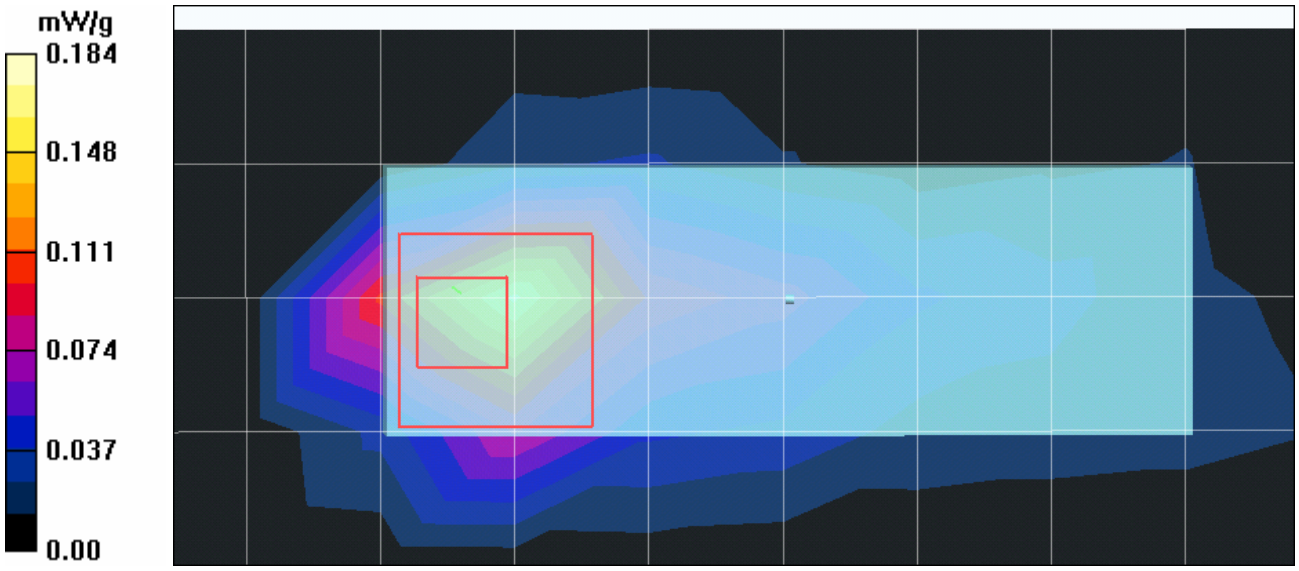
DCUA-81 Horizontal 11g N800C Mode 2

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.95 mho/m; ε_r = 54; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.163 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.16 V/m
Peak SAR (extrapolated) = 0.508 W/kg
SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.070 mW/g
Maximum value of SAR (measured) = 0.184 mW/g



Date/Time: 2005/6/23 10:42:04

Test Laboratory: Advance Data Technology

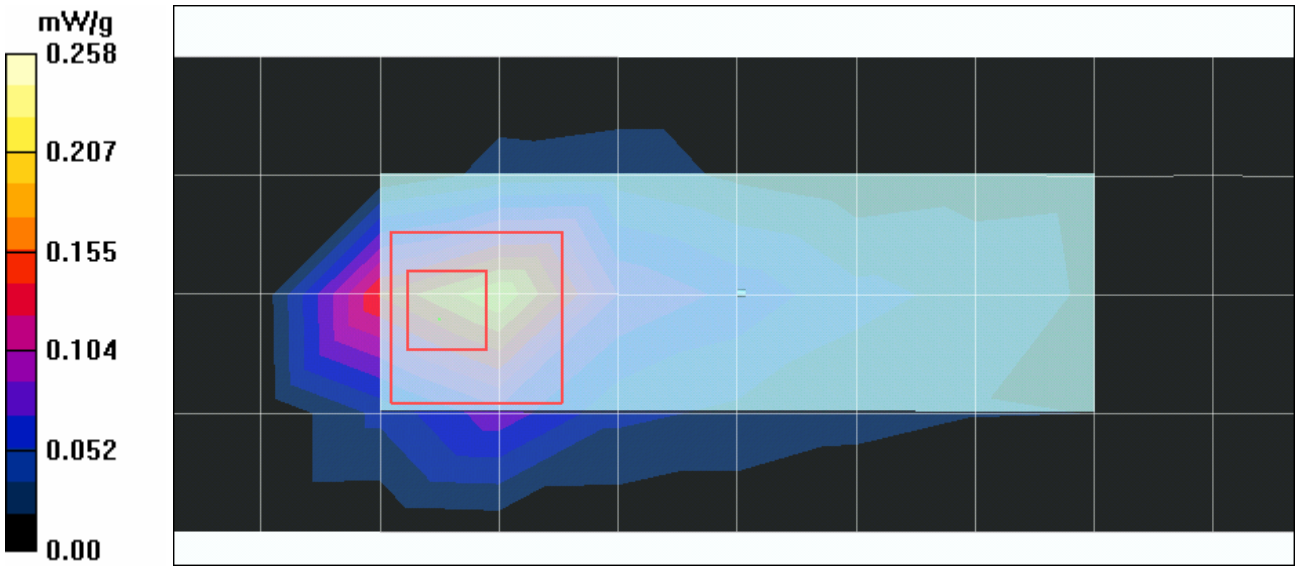
DCUA-81 Horizontal 11g N800C Mode 2

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.190 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.07 V/m
Peak SAR (extrapolated) = 0.723 W/kg
SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.258 mW/g



Date/Time: 2005/6/23 10:59:31

Test Laboratory: Advance Data Technology

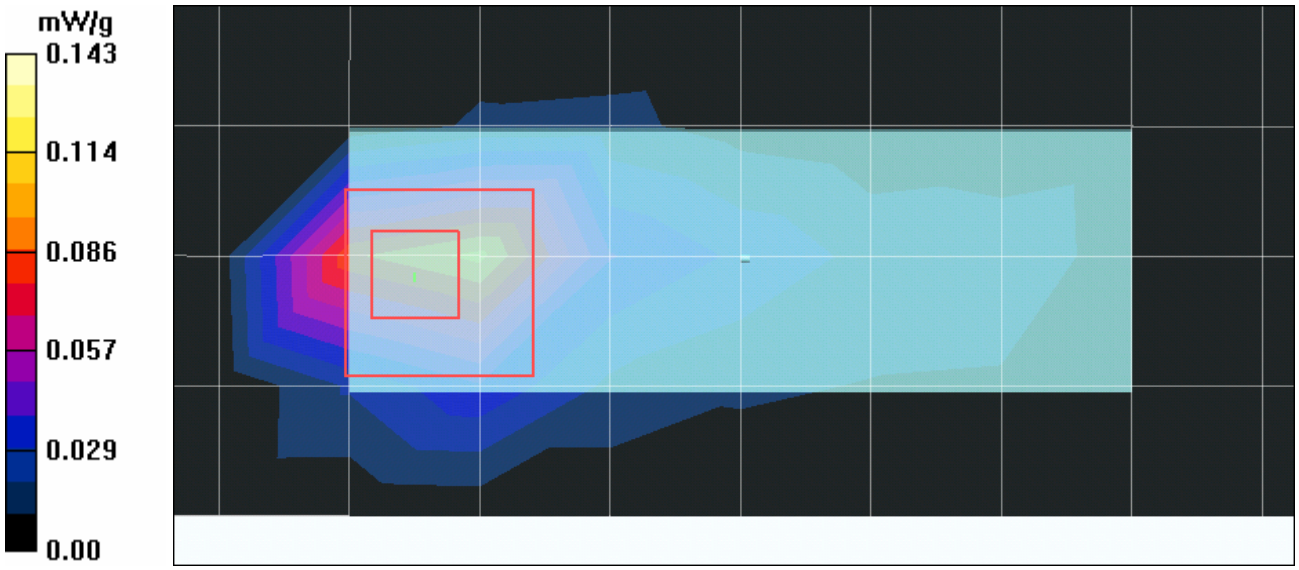
DCUA-81 Horizontal 11g N800C Mode 2

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.099 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.82 V/m
Peak SAR (extrapolated) = 0.404 W/kg
SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.048 mW/g
Maximum value of SAR (measured) = 0.143 mW/g



Date/Time: 2005/6/23 11:18:14

Test Laboratory: Advance Data Technology

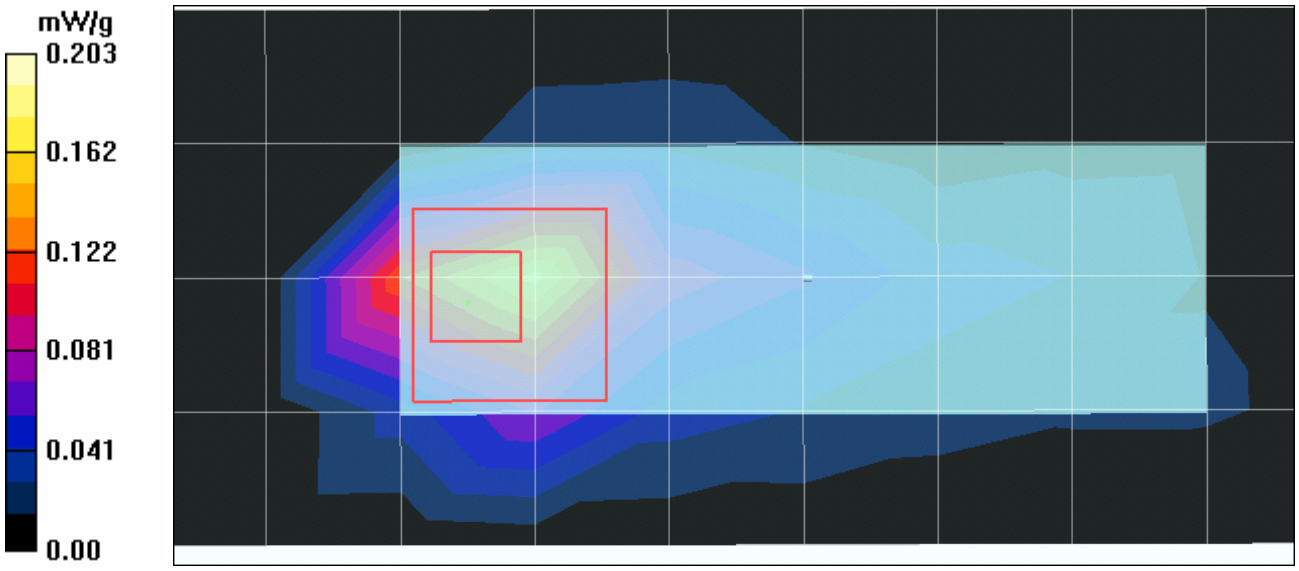
DCUA-81 Horizontal 11g-Turbo N800C Mode 3

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.168 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.48 V/m
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.203 mW/g



Date/Time: 2005/6/23 11:38:59

Test Laboratory: Advance Data Technology

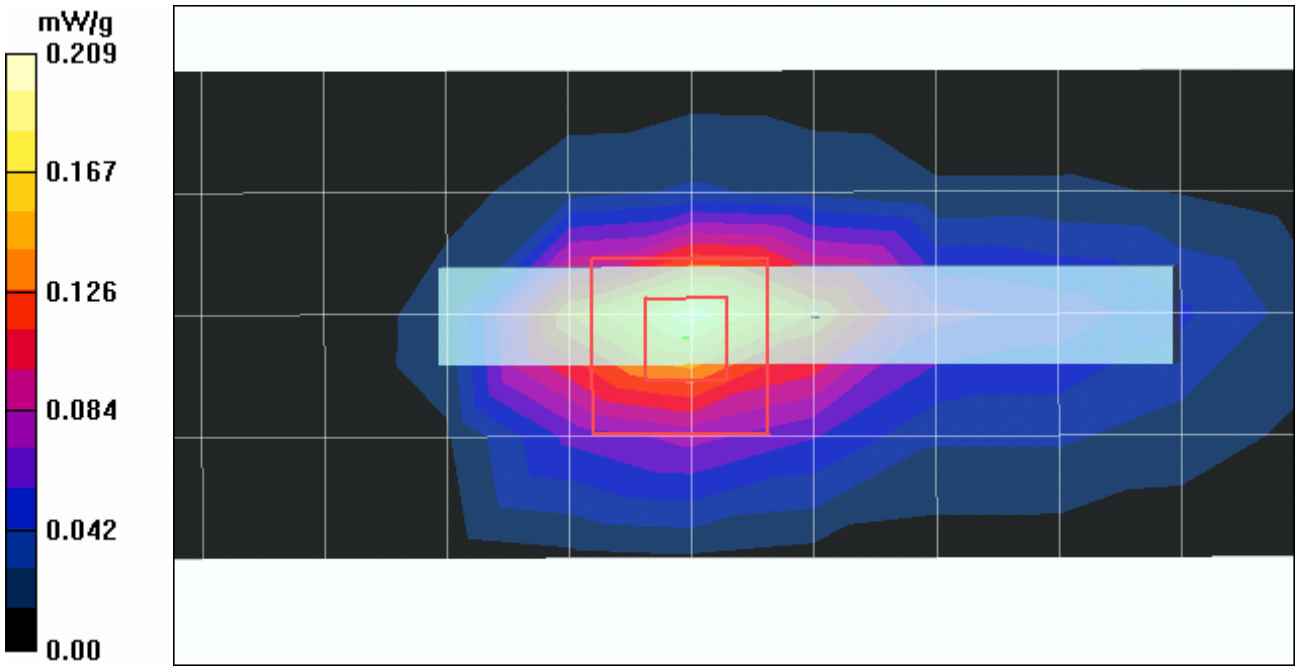
DCUA-81 Vertical 11b C600 Mode 4

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.95 mho/m; ε_r = 54; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.191 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.13 V/m
Peak SAR (extrapolated) = 0.408 W/kg
SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.209 mW/g



Date/Time: 2005/6/23 11:56:07

Test Laboratory: Advance Data Technology

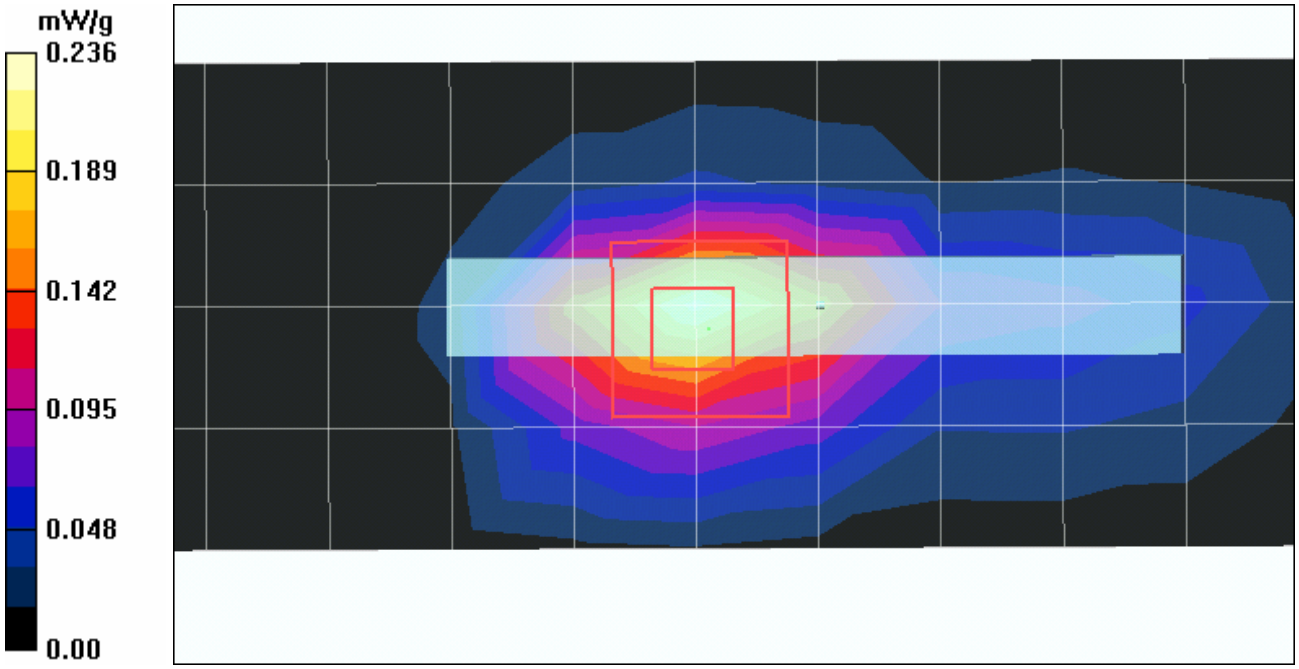
DCUA-81 Vertical 11b C600 Mode 4

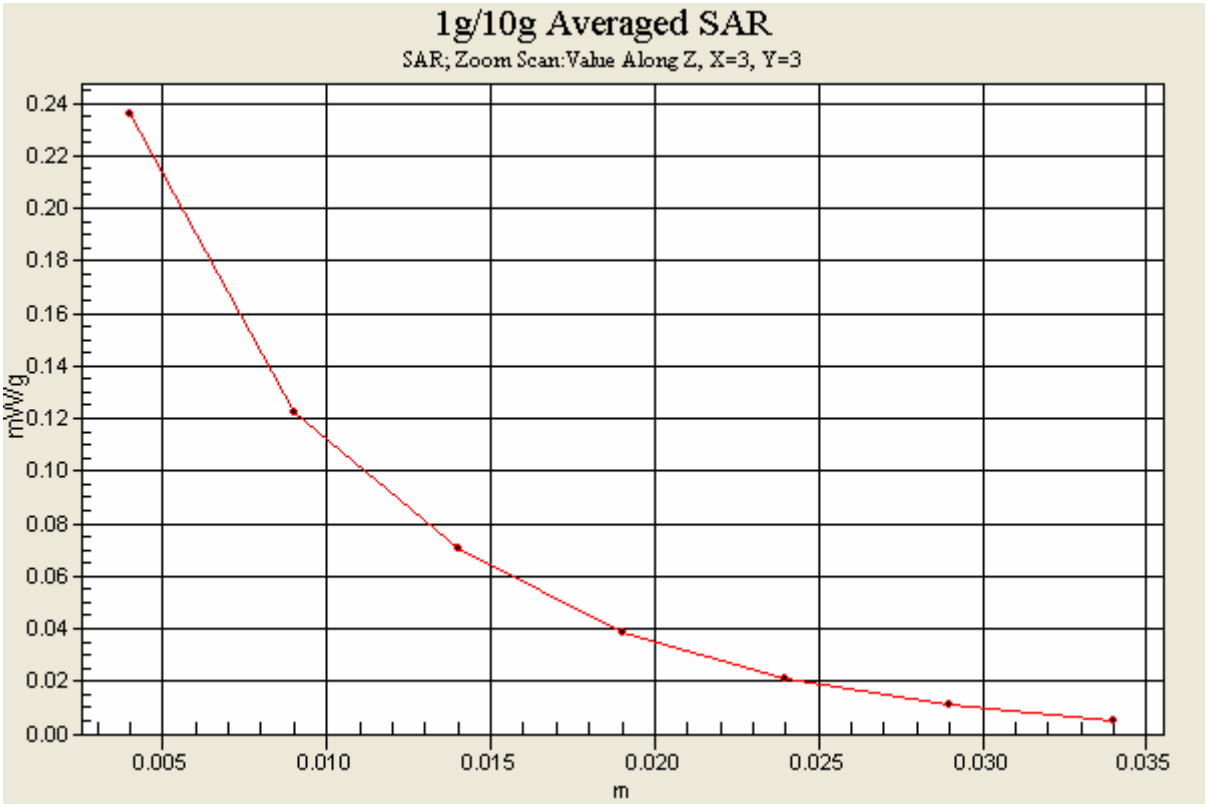
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.228 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.45 V/m
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.236 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=3
mW/g
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/23 12:13:23

Test Laboratory: Advance Data Technology

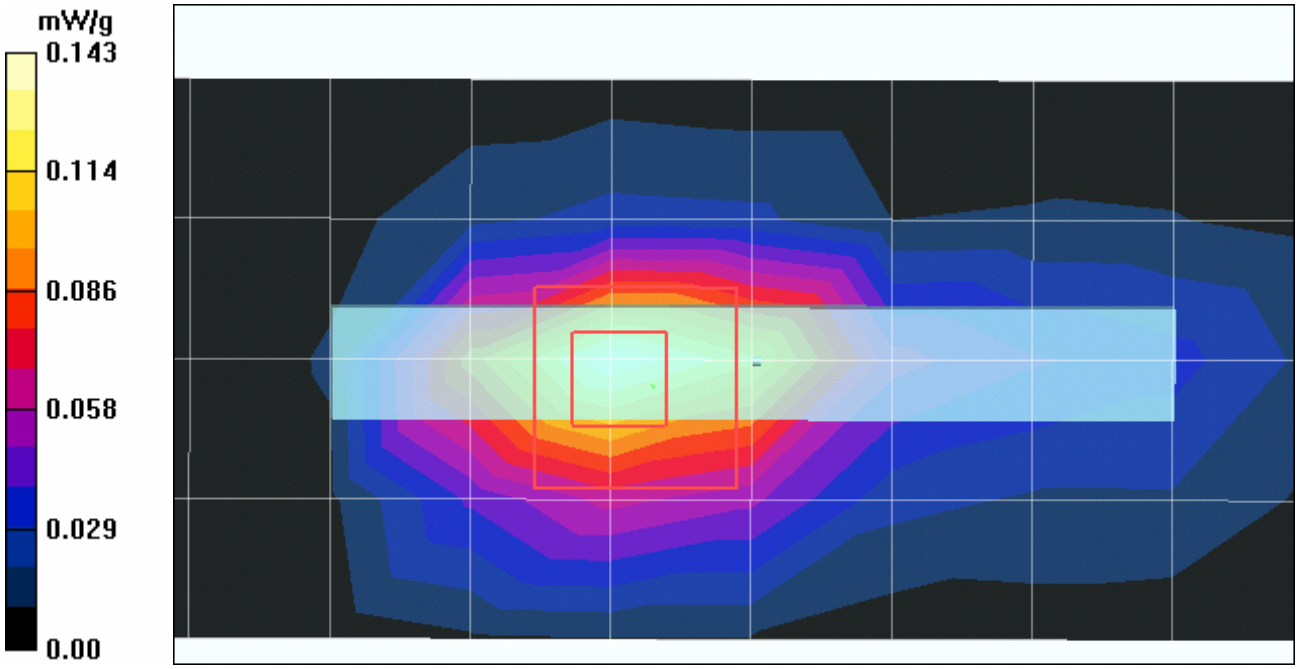
DCUA-81 Vertical 11b C600 Mode 4

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.143 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.01 V/m
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.065 mW/g



Date/Time: 2005/6/23 12:31:23

Test Laboratory: Advance Data Technology

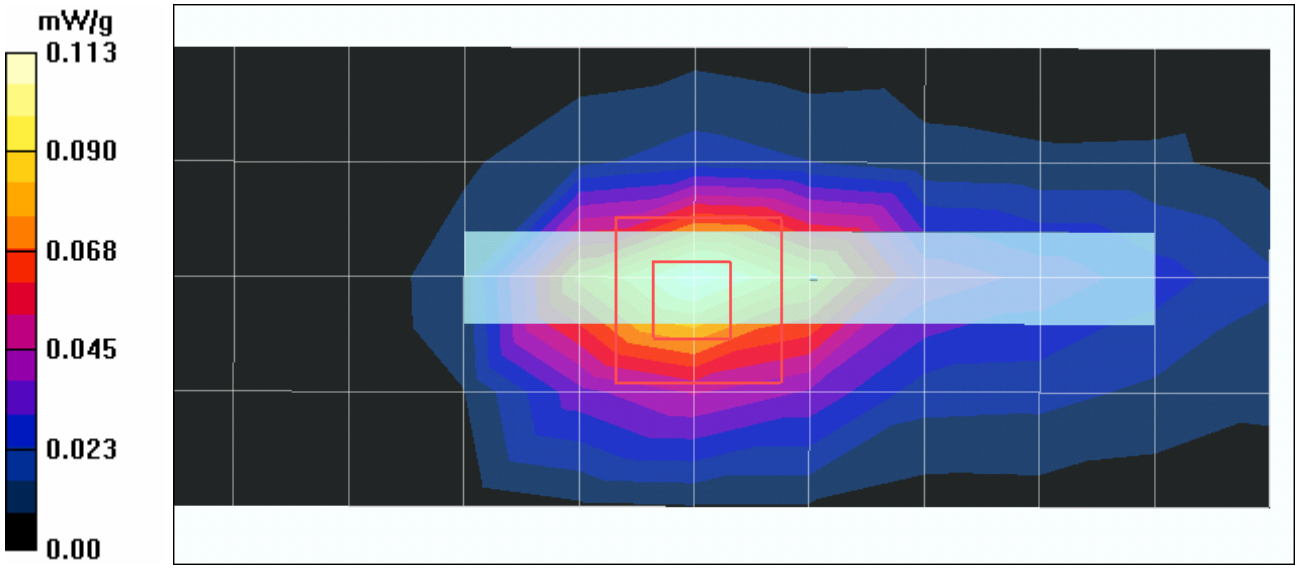
DCUA-81 Vertical 11g C600 Mode 5

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.95 mho/m; ε_r = 54; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.112 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.92 V/m
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.113 mW/g



Date/Time: 2005/6/23 12:48:20

Test Laboratory: Advance Data Technology

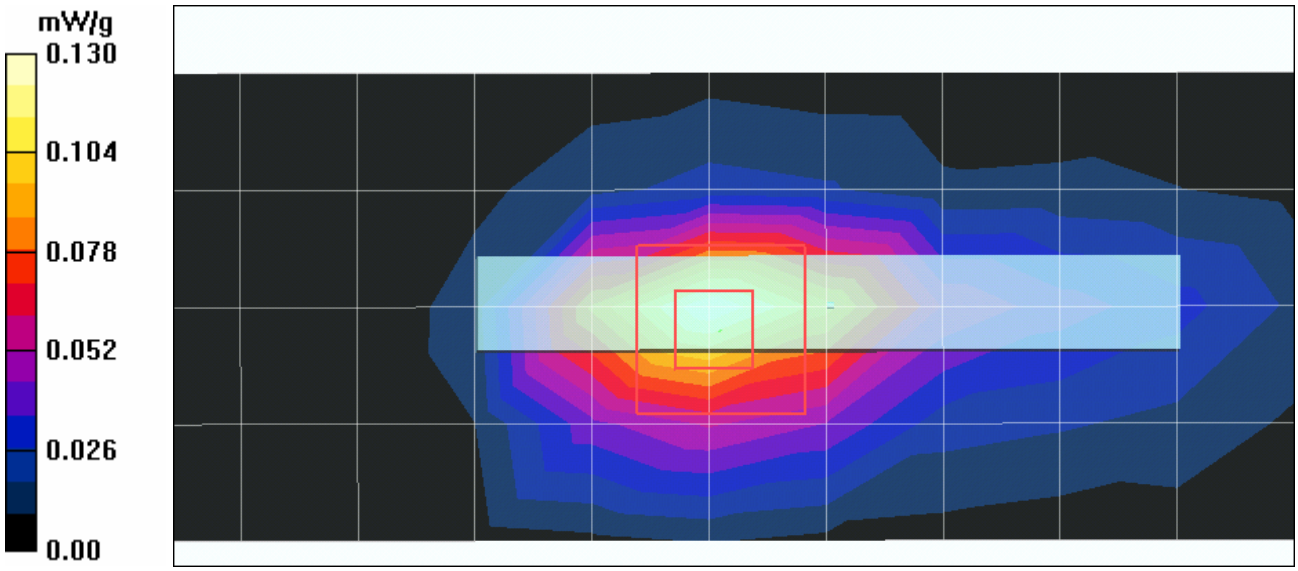
DCUA-81 Vertical 11g C600 Mode 5

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.130 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.66 V/m
Peak SAR (extrapolated) = 0.249 W/kg
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.059 mW/g



Date/Time: 2005/6/23 13:05:44

Test Laboratory: Advance Data Technology

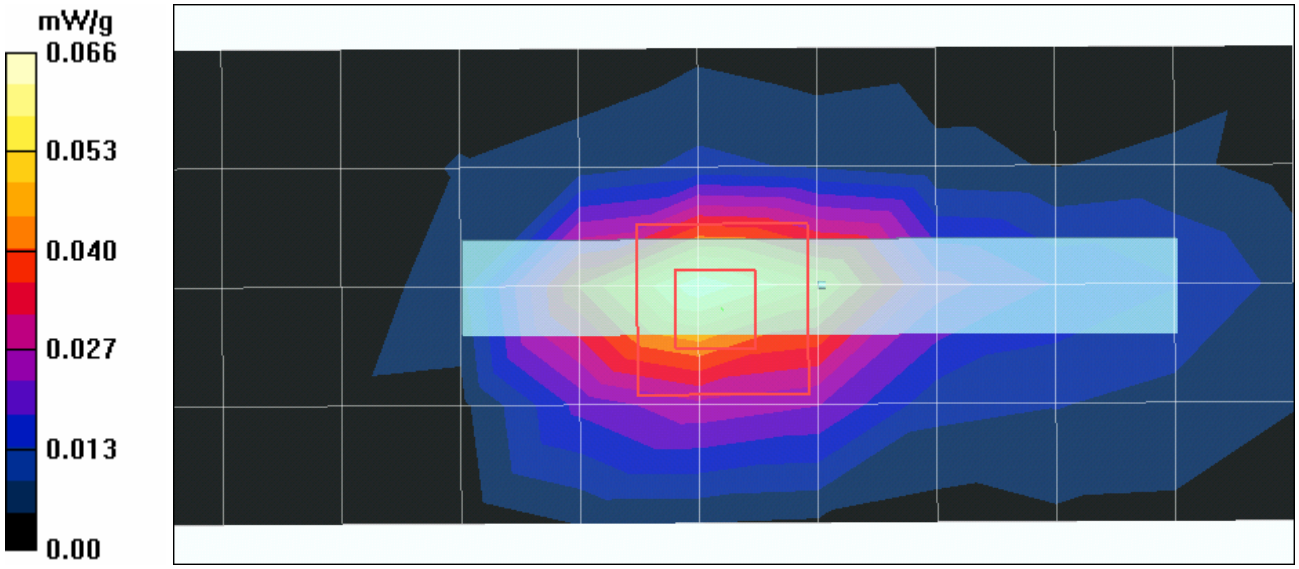
DCUA-81 Vertical 11g C600 Mode 5

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.061 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.27 V/m
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



Date/Time: 2005/6/23 13:22:28

Test Laboratory: Advance Data Technology

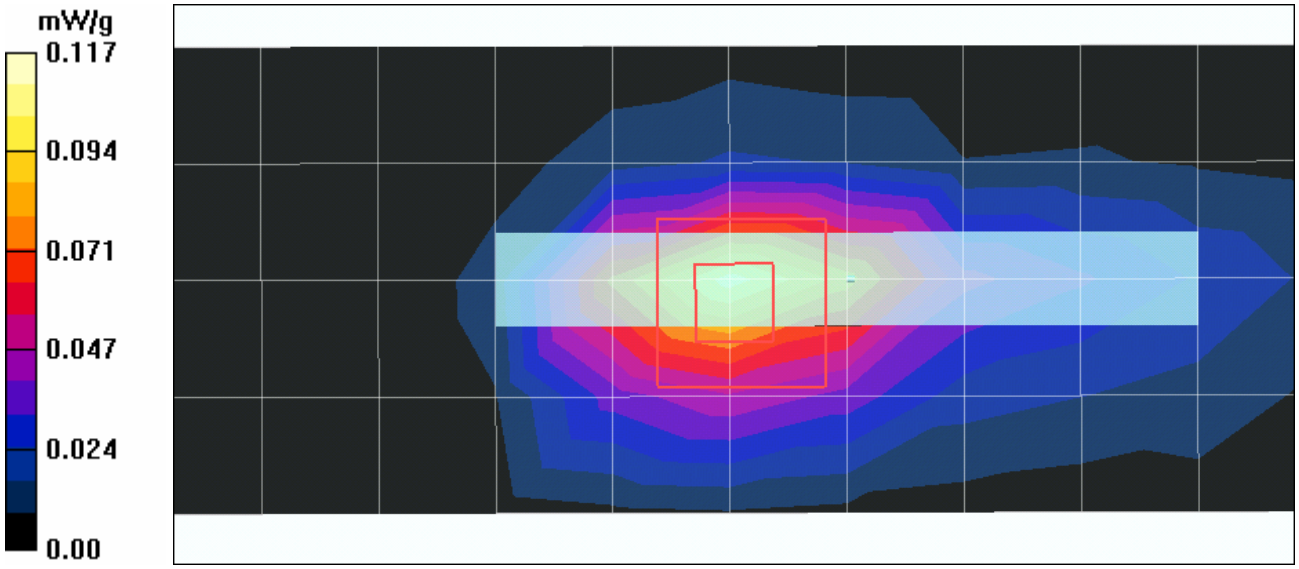
DCUA-81 Vertical 11g-Turbo C600 Mode 6

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.106 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.88 V/m
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.053 mW/g
Maximum value of SAR (measured) = 0.117 mW/g



Date/Time: 2005/6/24 14:10:58

Test Laboratory: Advance Data Technology

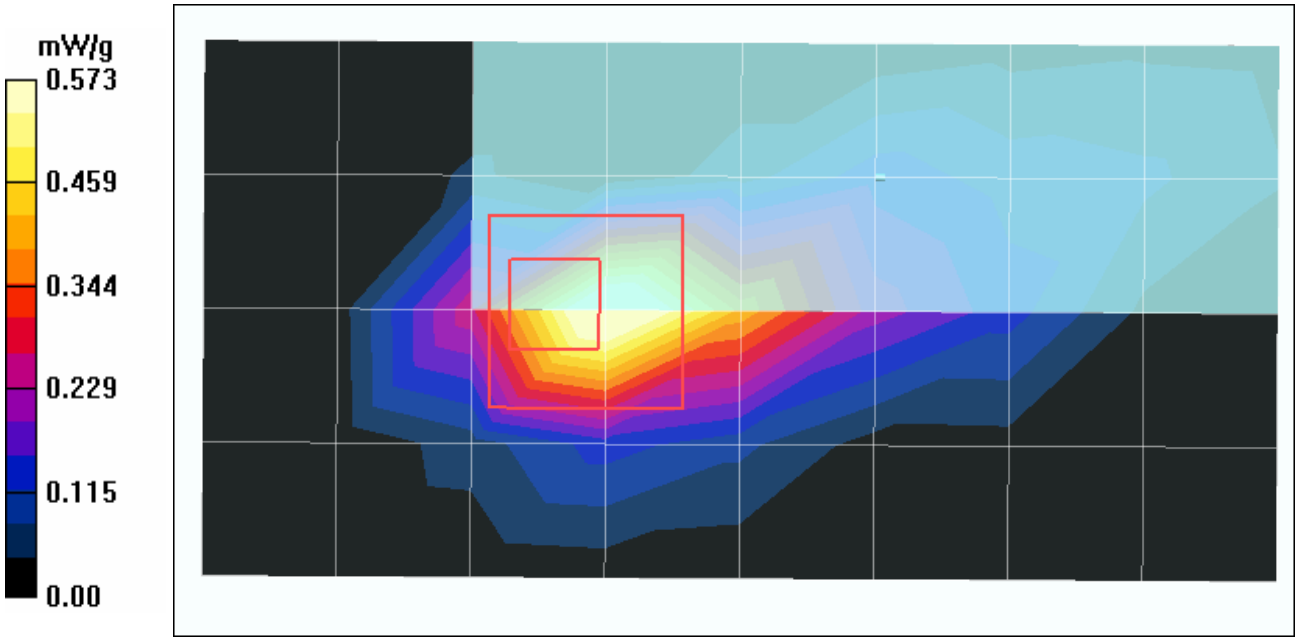
DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5180 MHz

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5180 MHz; σ = 5.28 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5180/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.573 mW/g

Low Channel 5180/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.72 V/m
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.151 mW/g
Maximum value of SAR (measured) = 0.497 mW/g



Date/Time: 2005/6/24 14:30:18

Test Laboratory: Advance Data Technology

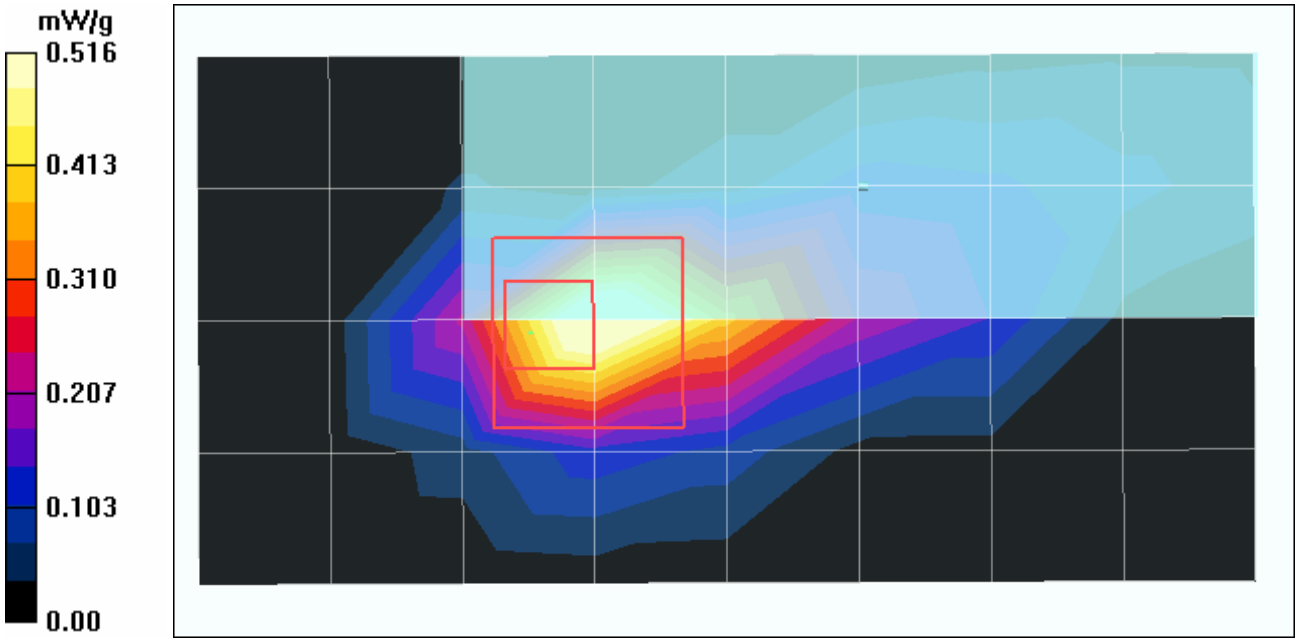
DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5240 MHz

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5240 MHz; σ = 5.38 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5240/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.461 mW/g

Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.69 V/m
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.516 mW/g



Date/Time: 2005/6/24 14:47:22

Test Laboratory: Advance Data Technology

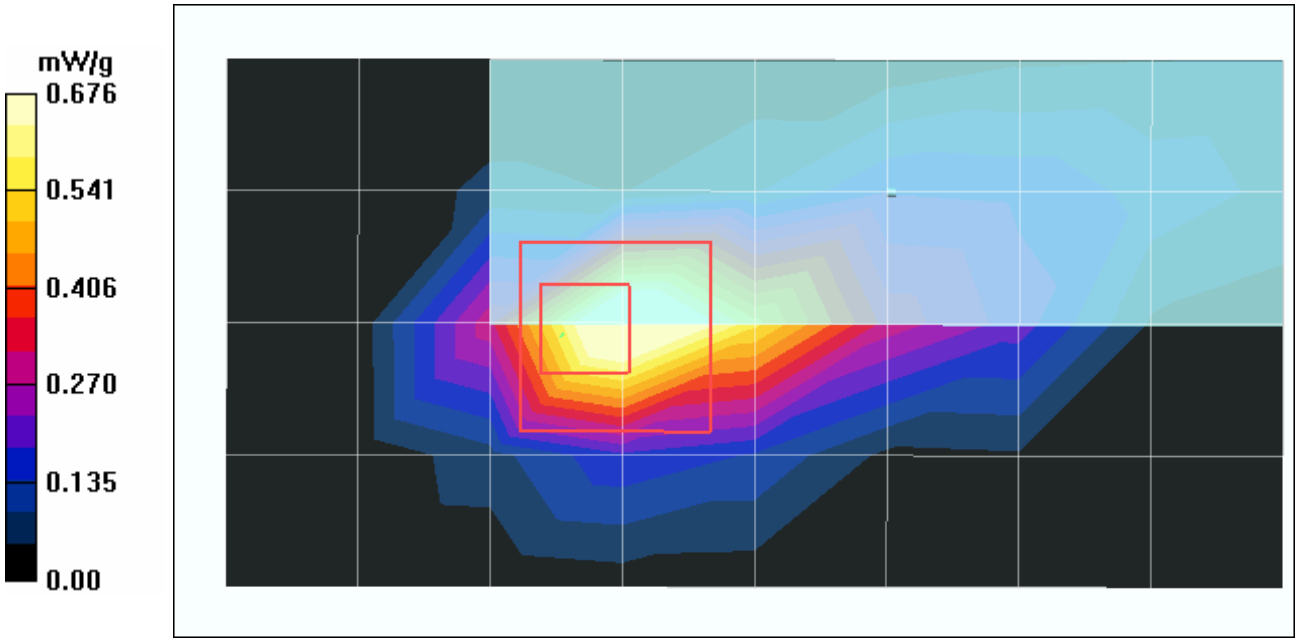
DCUA-81 Horizontal 11a-Normal N800C Mode 7

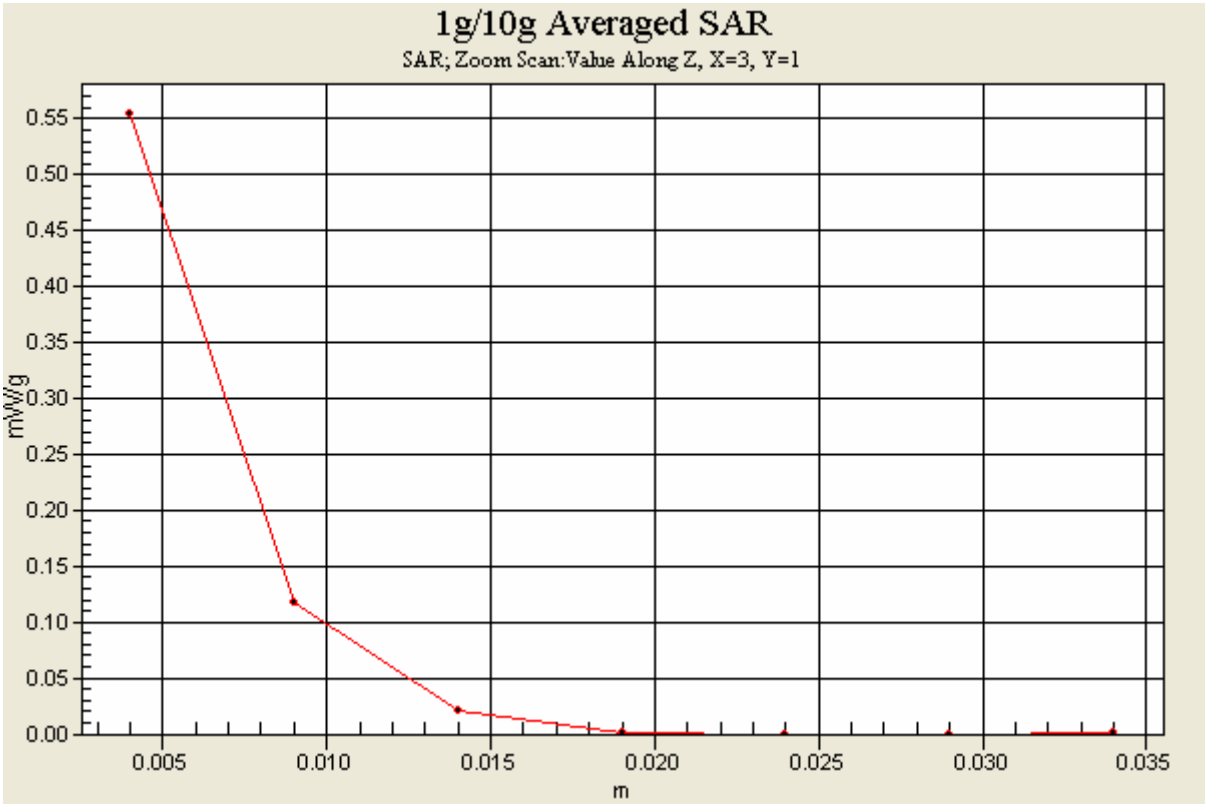
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5260 MHz; σ = 5.4 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5260/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.676 mW/g

Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.02 V/m
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.555 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=1
mW/g
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/24 15:04:06

Test Laboratory: Advance Data Technology

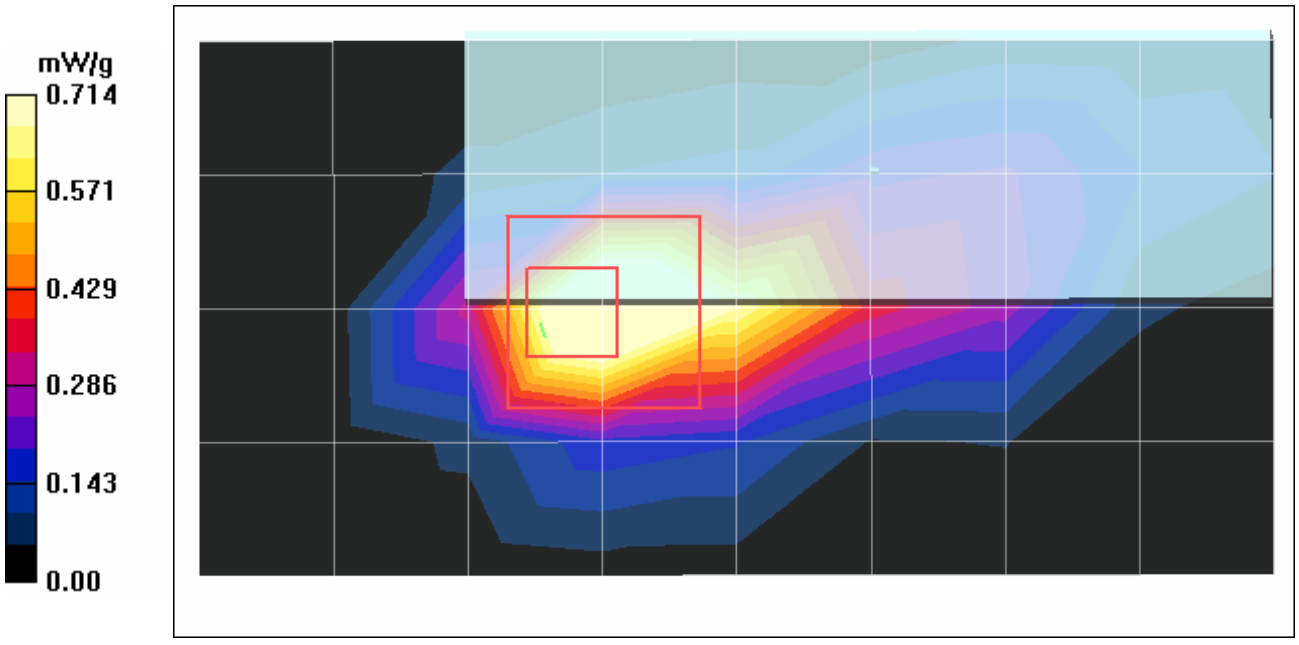
DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; σ = 5.49 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.714 mW/g

Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.23 V/m
Peak SAR (extrapolated) = 2.92 W/kg
SAR(1 g) = 0.546 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 0.510 mW/g



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Test Laboratory: Advance Data Technology

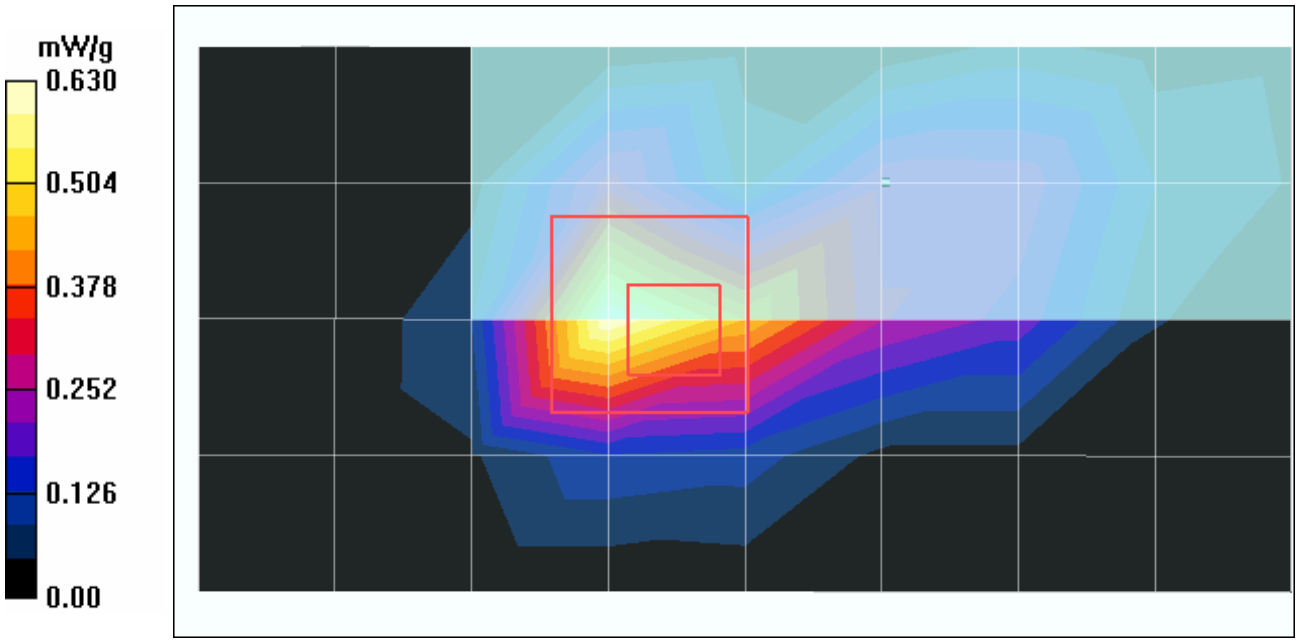
DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5745 MHz; σ = 6.15 mho/m; ε_r = 47; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5745/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.630 mW/g

Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.51 V/m
Peak SAR (extrapolated) = 1.82 W/kg
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.345 mW/g



Date/Time: 2005/6/24 15:36:52

Test Laboratory: Advance Data Technology

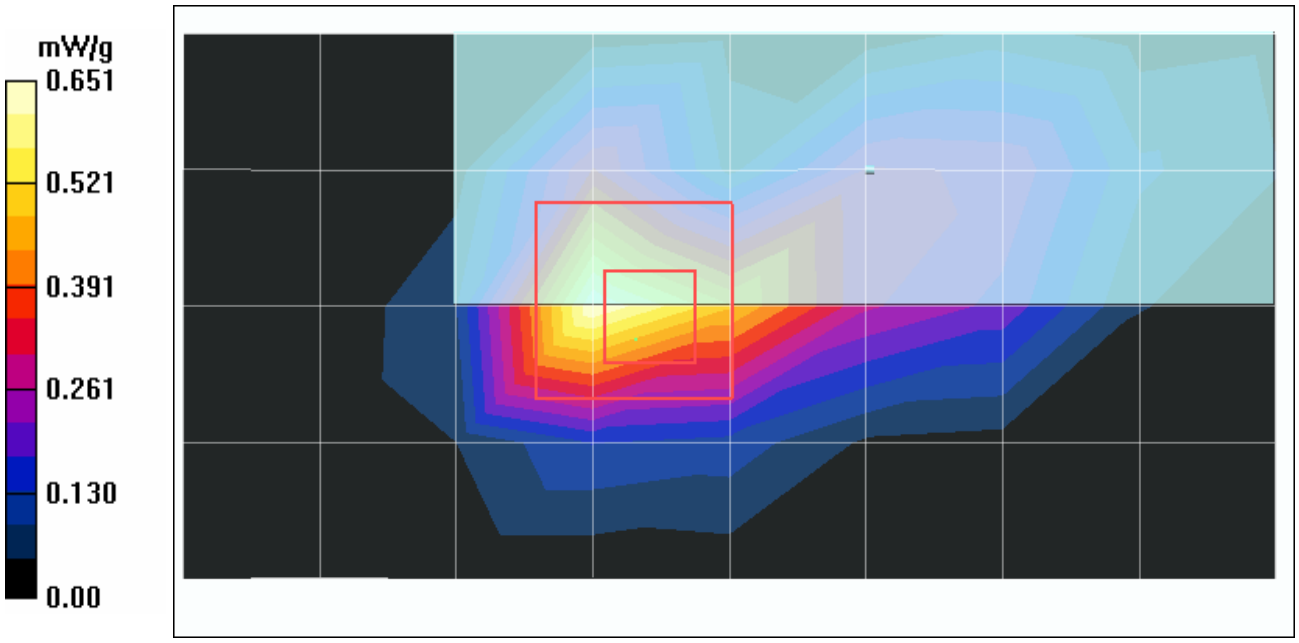
DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5785 MHz; σ = 6.22 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5785/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.651 mW/g

Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.87 V/m
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.363 mW/g



Date/Time: 2005/6/24 15:54:06

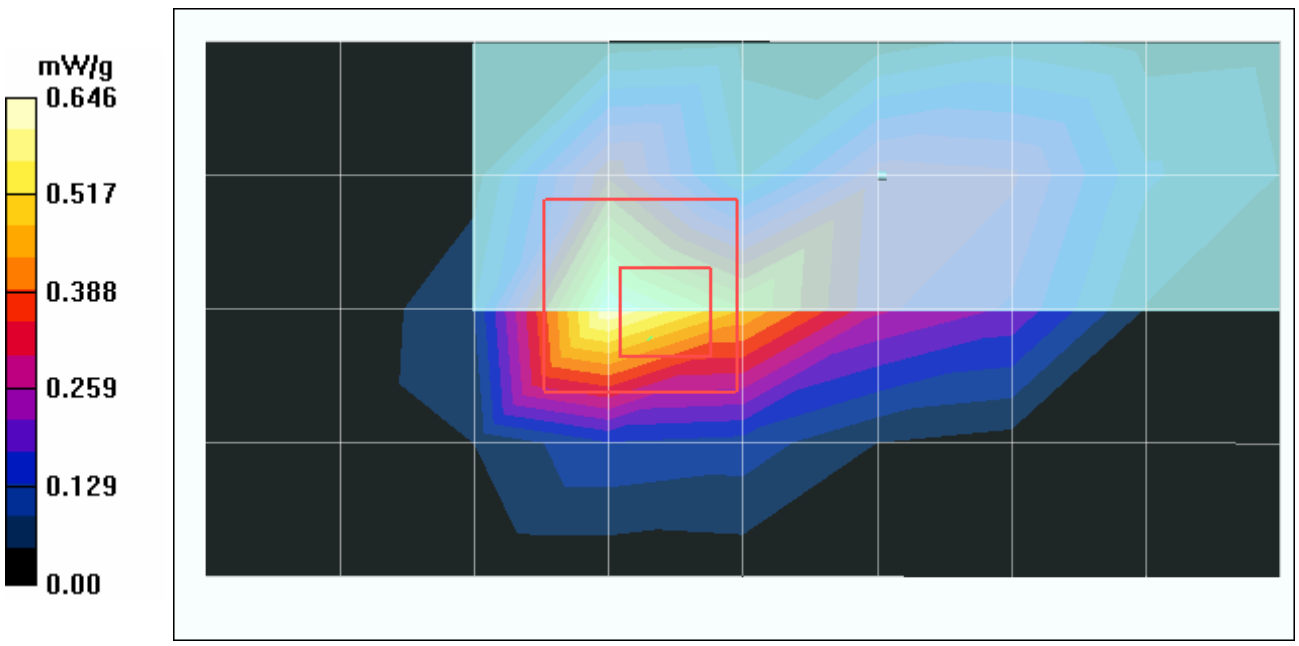
Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5825 MHz
Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5825 MHz; σ = 6.28 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5825/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.646 mW/g

High Channel 5825/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.95 V/m
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.111 mW/g
Maximum value of SAR (measured) = 0.357 mW/g



Date/Time: 2005/6/24 16:20:58

Test Laboratory: Advance Data Technology

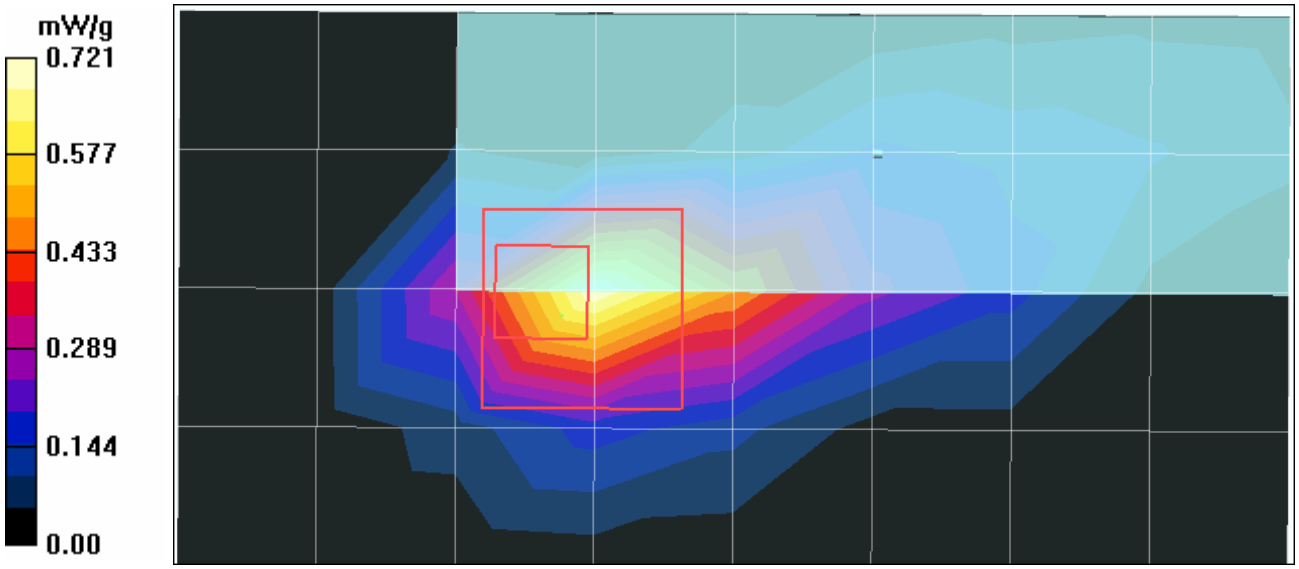
DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5210 MHz

Communication System: 802.11a ; Frequency: 5210 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5210 MHz; σ = 5.33 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5210/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.721 mW/g

Low Channel 5210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.16 V/m
Peak SAR (extrapolated) = 3.30 W/kg
SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.182 mW/g
Maximum value of SAR (measured) = 0.628 mW/g



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Test Laboratory: Advance Data Technology

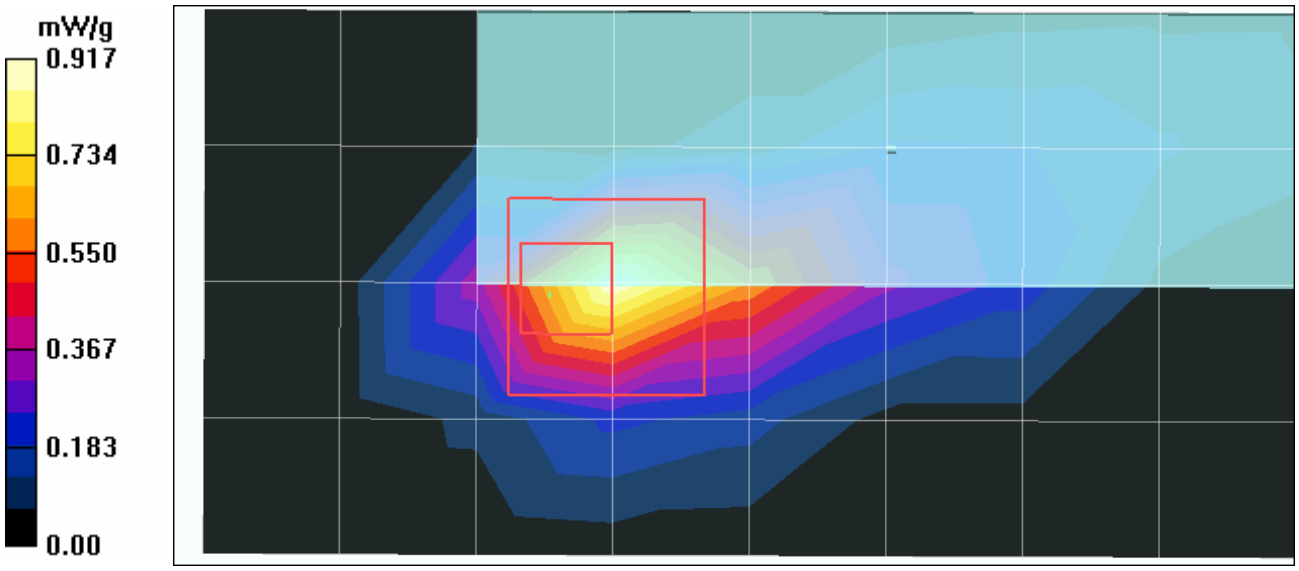
DCUA-81 Horizontal 11a-Turbo N800C Mode 8

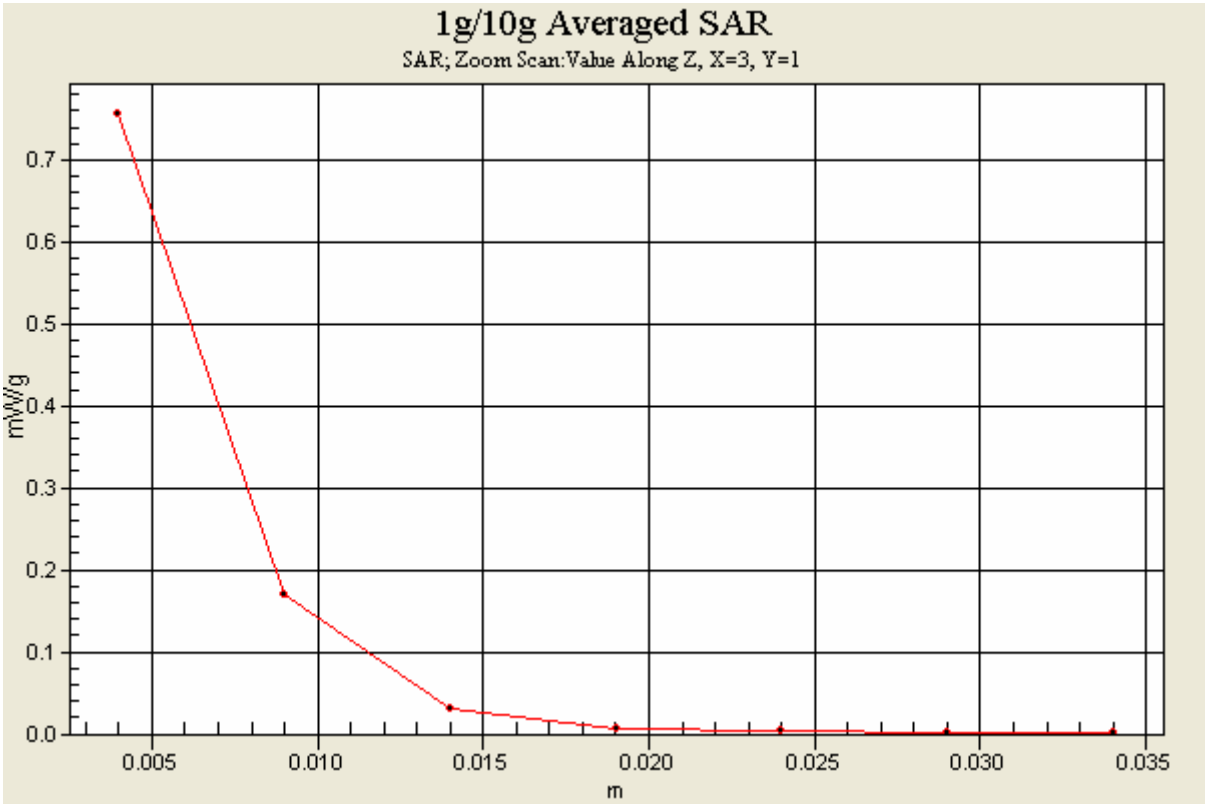
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5250 MHz; σ = 5.39 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.917 mW/g

Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.63 V/m
Peak SAR (extrapolated) = 4.07 W/kg
SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.221 mW/g
Maximum value of SAR (measured) = 0.756 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=1
mW/g
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/24 16:56:30

Test Laboratory: Advance Data Technology

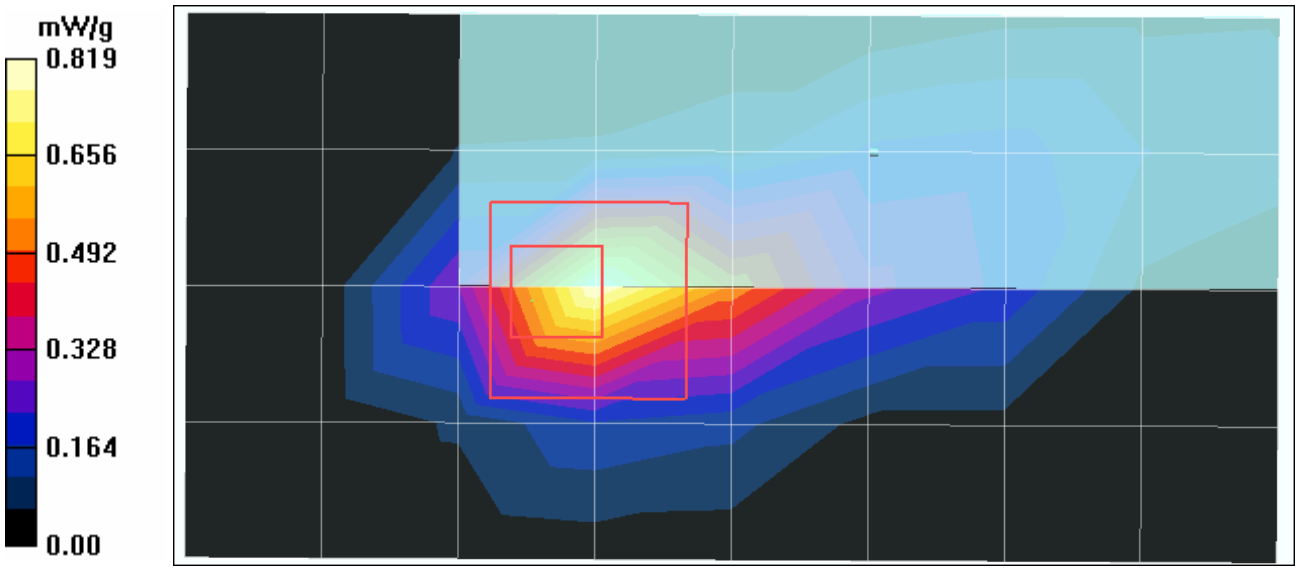
DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5290 MHz

Communication System: 802.11a ; Frequency: 5290 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5290 MHz; σ = 5.44 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5290/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.819 mW/g

Mid Channel 5290/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.39 V/m
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.187 mW/g
Maximum value of SAR (measured) = 0.621 mW/g



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Test Laboratory: Advance Data Technology

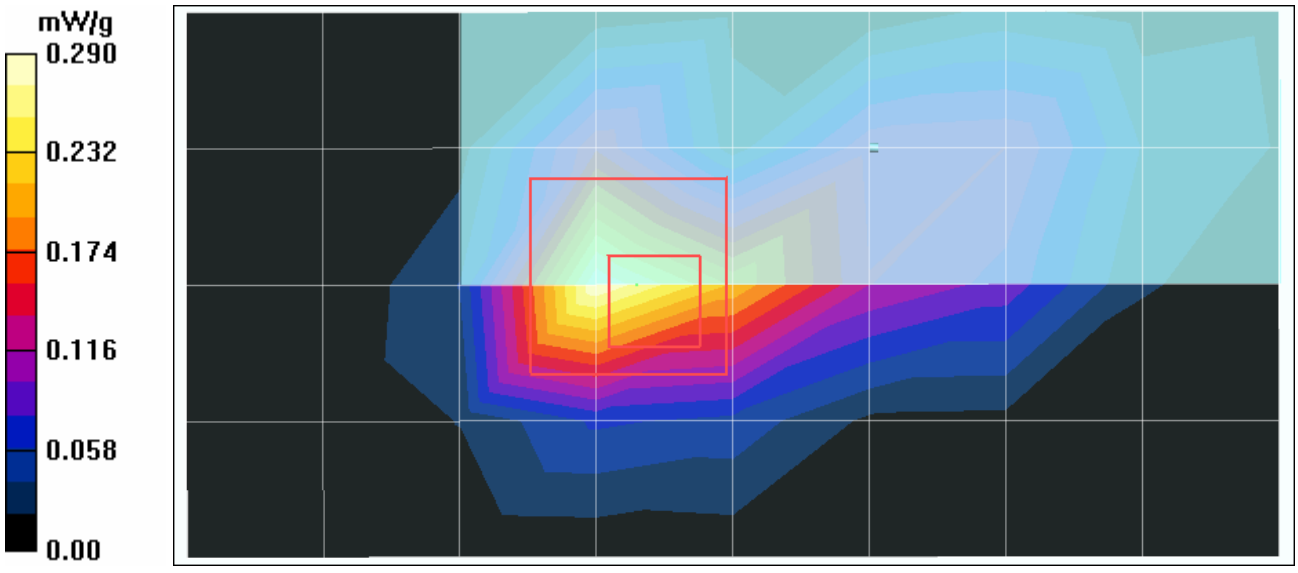
DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5760 MHz

Communication System: 802.11a ; Frequency: 5760 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5760 MHz; σ = 6.18 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5760/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.267 mW/g

Mid Channel 5760/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.93 V/m
Peak SAR (extrapolated) = 0.895 W/kg
SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.290 mW/g



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Test Laboratory: Advance Data Technology

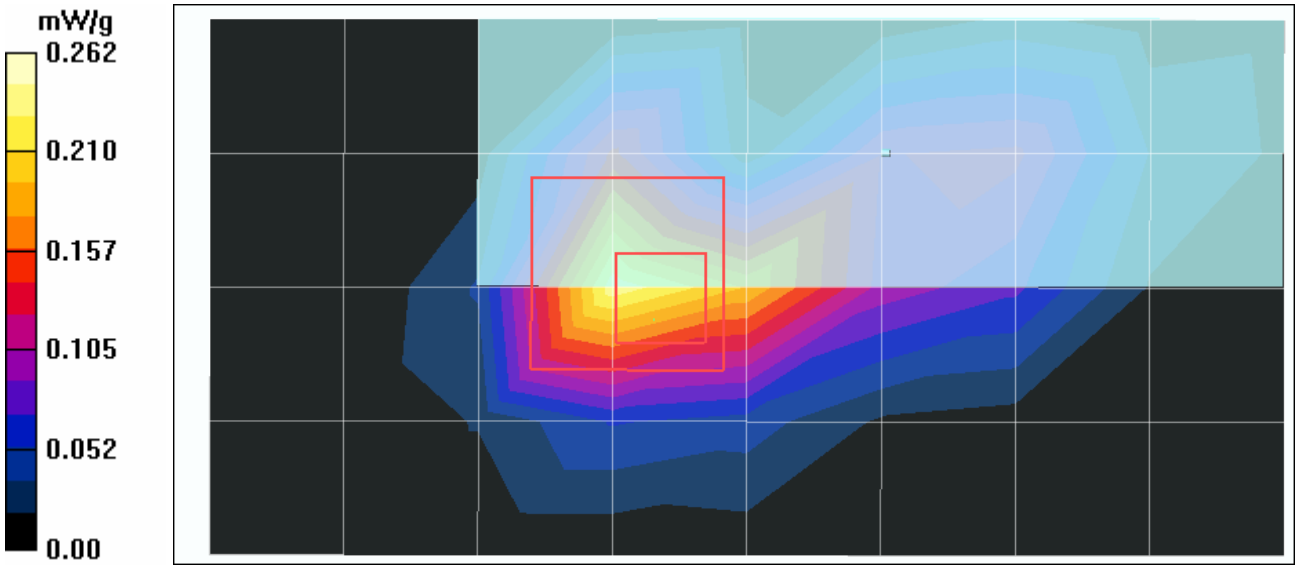
DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5800 MHz

Communication System: 802.11a ; Frequency: 5800 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5800 MHz; σ = 6.24 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5800/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.240 mW/g

High Channel 5800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.19 V/m
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.262 mW/g



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Test Laboratory: Advance Data Technology

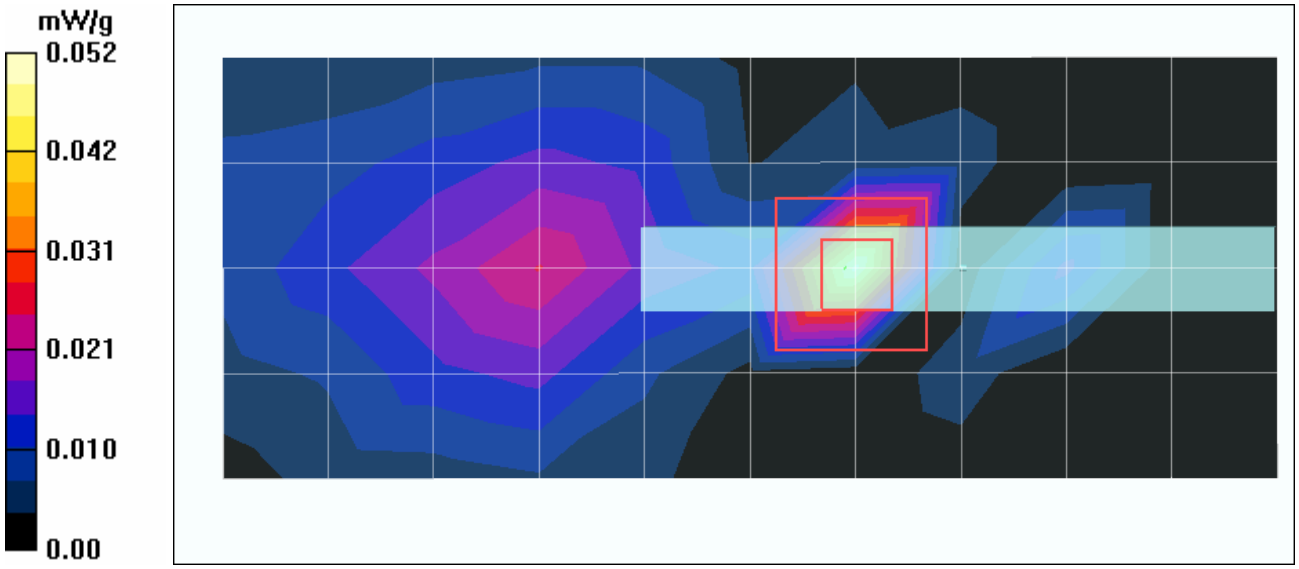
DCUA-81 Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5180 MHz

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5180 MHz; σ = 5.28 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5180/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.050 mW/g

Low Channel 5180/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.57 V/m
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.052 mW/g



Date/Time: 2005/6/24 18:41:21

Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

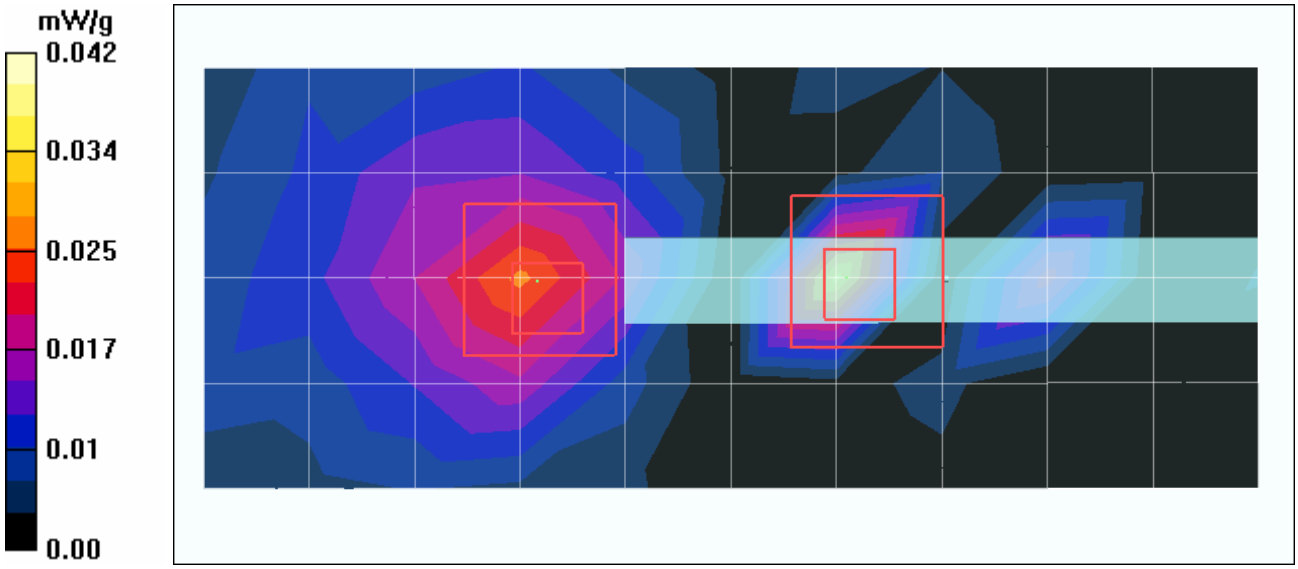
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5240 MHz

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5240 MHz; σ = 5.38 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5240/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.032 mW/g

Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.20 V/m
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.026 mW/g

Mid Channel 5240/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.20 V/m
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.00842 mW/g
Maximum value of SAR (measured) = 0.042 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

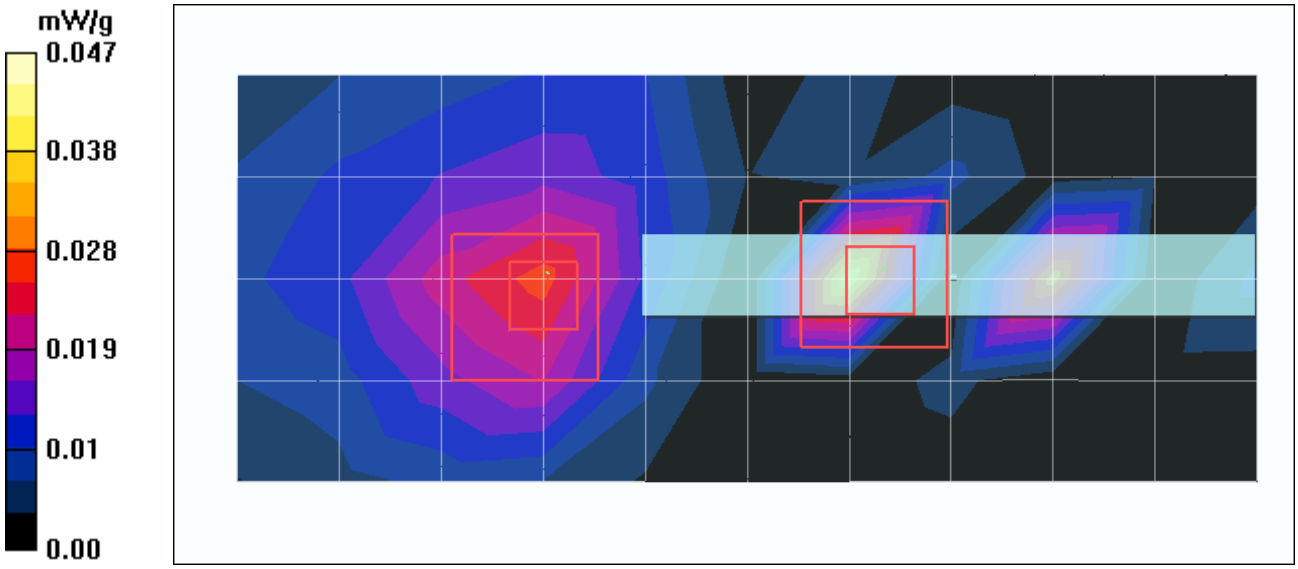
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5260 MHz; σ = 5.4 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5260/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.038 mW/g

Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.31 V/m
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.0098 mW/g
Maximum value of SAR (measured) = 0.047 mW/g

Mid Channel 5260/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.31 V/m
Peak SAR (extrapolated) = 0.132 W/kg
SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.027 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

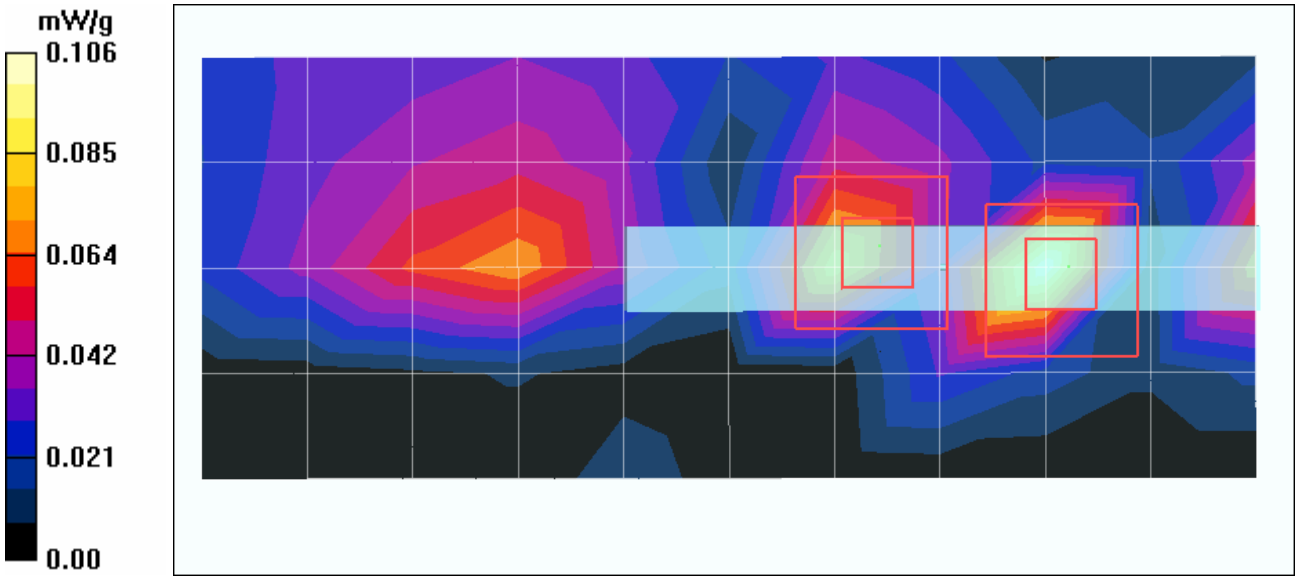
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; σ = 5.49 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.106 mW/g

Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.01 V/m
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.0055 mW/g
Maximum value of SAR (measured) = 0.023 mW/g

Mid Channel 5320/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.01 V/m
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.0039 mW/g
Maximum value of SAR (measured) = 0.020 mW/g



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Test Laboratory: Advance Data Technology

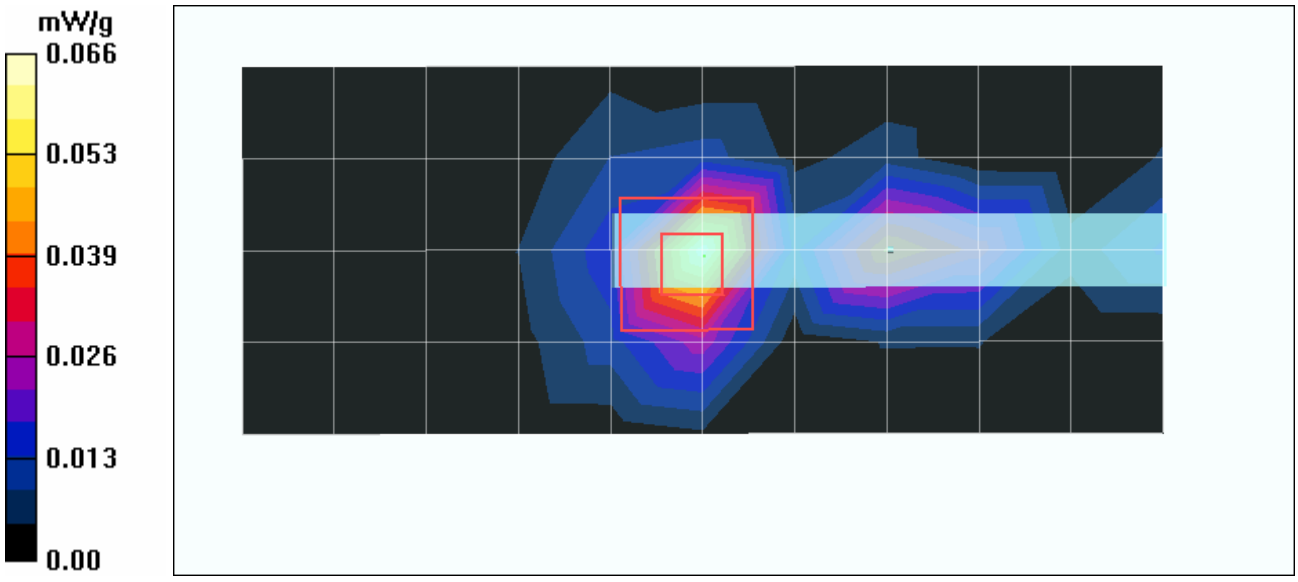
DCUA-81Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5745 MHz; σ = 6.15 mho/m; ε_r = 47; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5745/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.065 mW/g

Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.63 V/m
Peak SAR (extrapolated) = 0.230 W/kg
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



Date/Time: 2005/6/24 20:37:08

Test Laboratory: Advance Data Technology

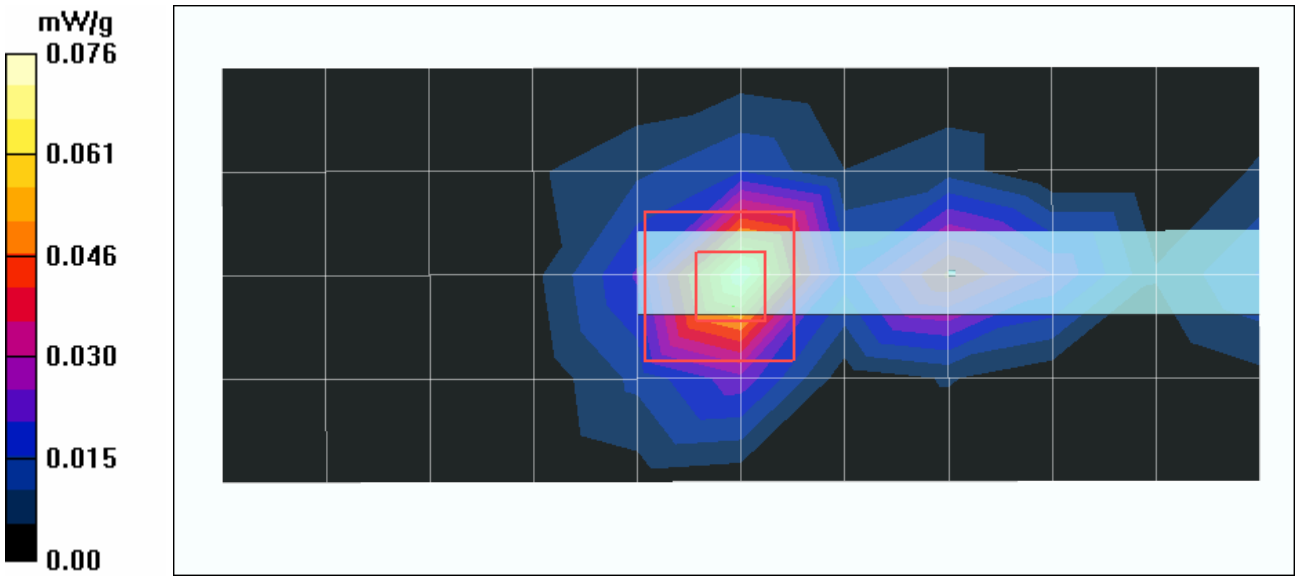
DCUA-81Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5782 MHz; σ = 6.22 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5785/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.071 mW/g

Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.54 V/m
Peak SAR (extrapolated) = 0.245 W/kg
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.076 mW/g



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Test Laboratory: Advance Data Technology

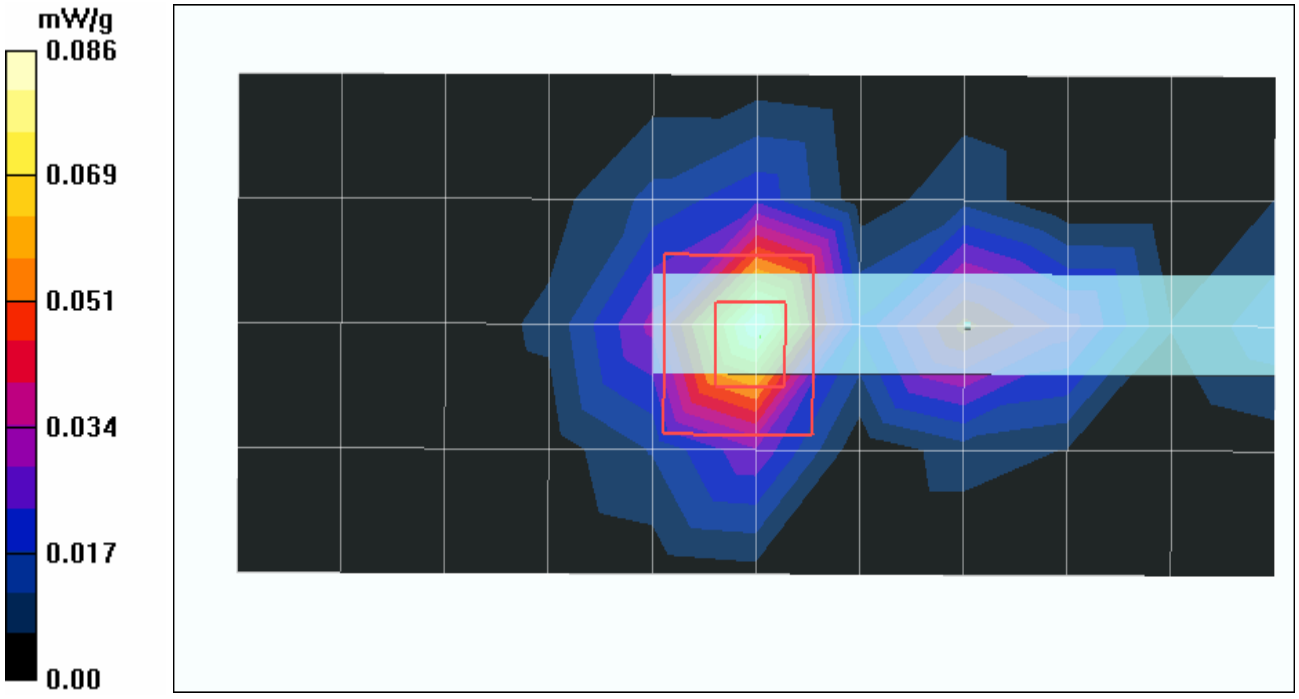
DCUA-81Vertical 11a-Normal C600 Mode 9

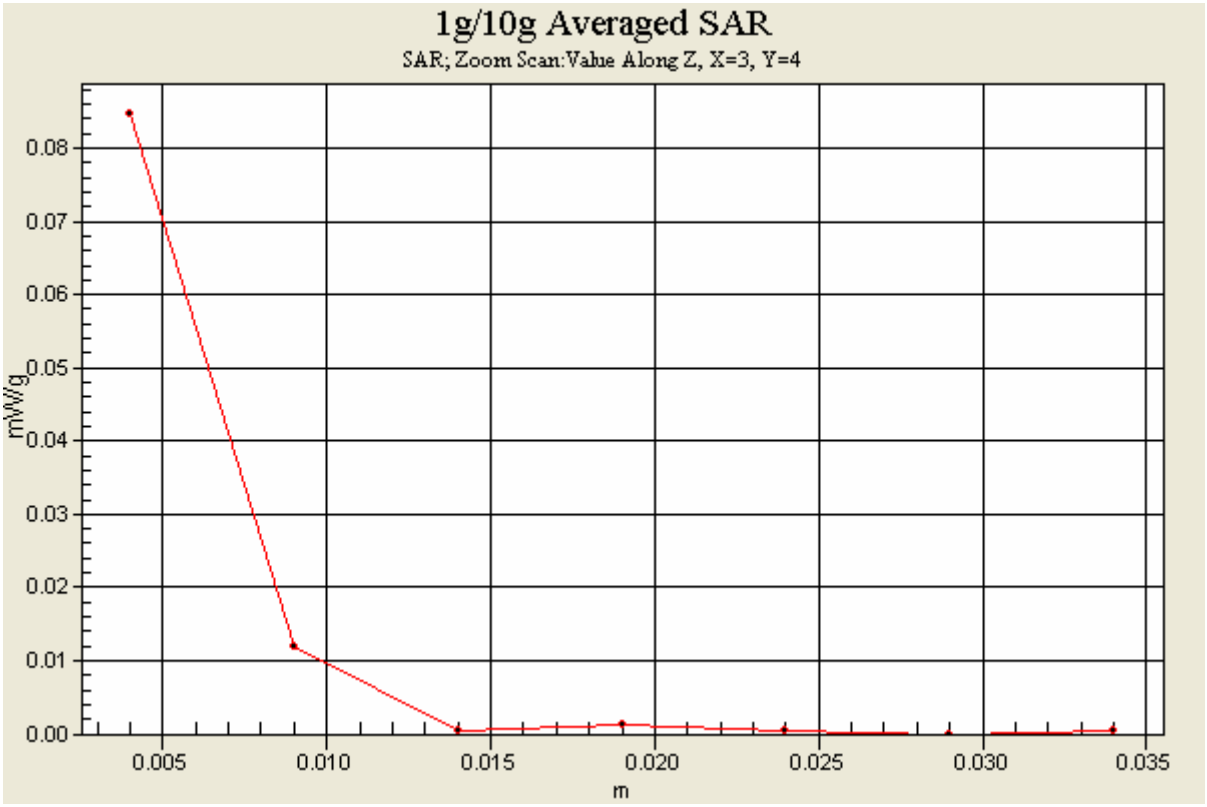
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5825 MHz

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5825 MHz; σ = 6.28 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5825/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.086 mW/g

High Channel 5825/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.86 V/m
Peak SAR (extrapolated) = 0.263 W/kg
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.085 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=4
mW/g
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0.005
0.010
0.015
0.020
0.025
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m

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Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11a-Turbo C600 Mode 10

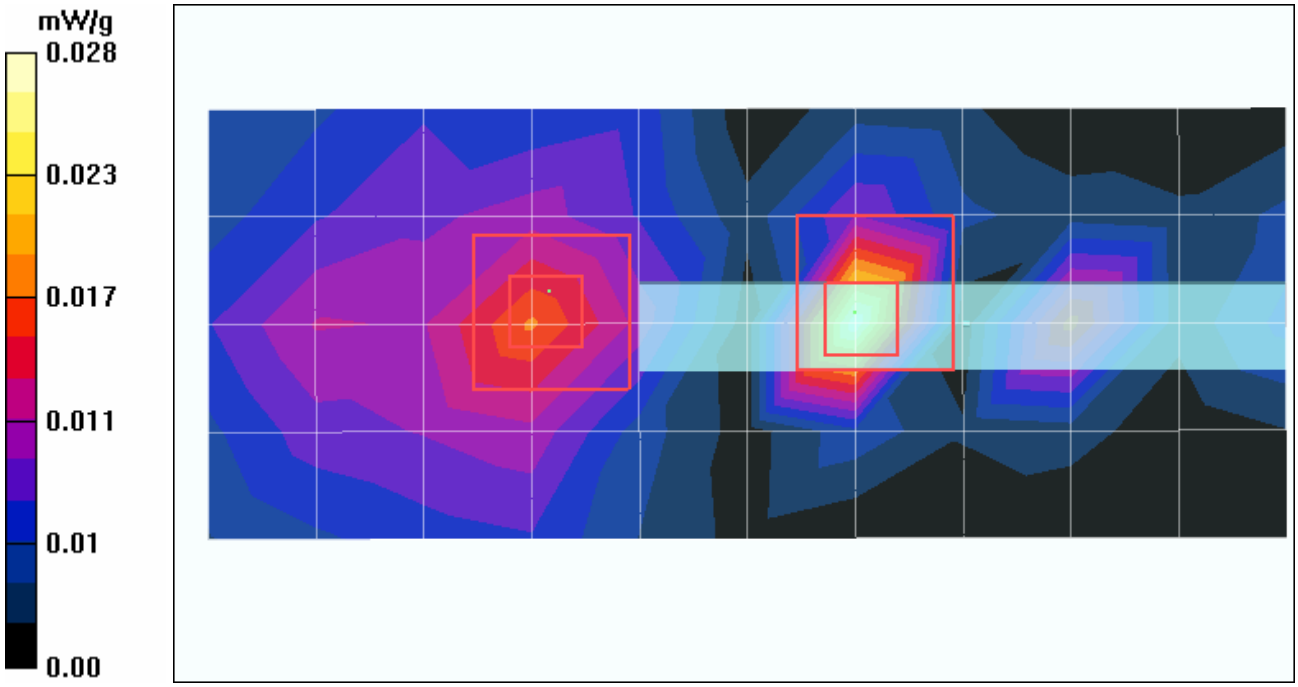
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5210 MHz

Communication System: 802.11a ; Frequency: 5210 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5210 MHz; σ = 5.33 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5210/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.028 mW/g

Low Channel 5210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm;Reference Value = 1.08 V/m
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.00733 mW/g
Maximum value of SAR (measured) = 0.027 mW/g

Low Channel 5210/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm;Reference Value = 1.08 V/m
Peak SAR (extrapolated) = 0.107 W/kg
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.00897 mW/g
Maximum value of SAR (measured) = 0.017 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Turbo C600 Mode 10

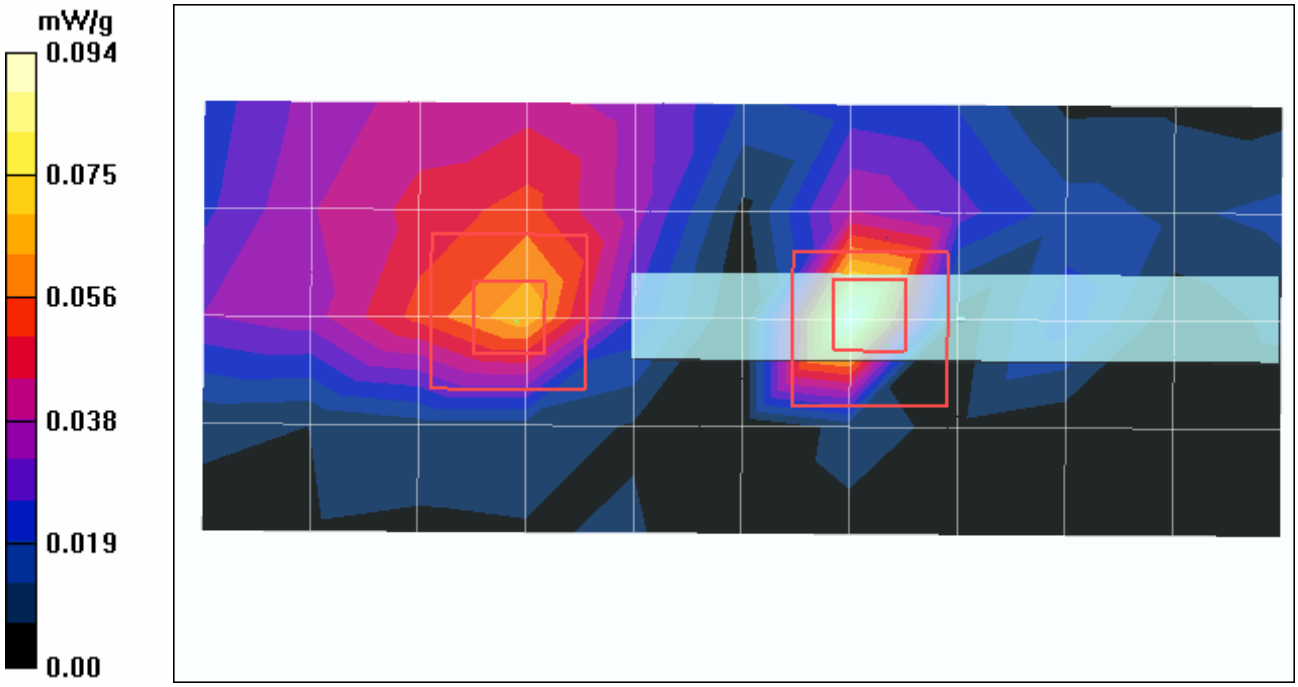
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5250 MHz; σ = 5.39 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.094 mW/g

Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.67 V/m
Peak SAR (extrapolated) = 0.163 W/kg
SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.00888 mW/g
Maximum value of SAR (measured) = 0.030 mW/g

Mid Channel 5250/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.67 V/m
Peak SAR (extrapolated) = 0.123 W/kg
SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.021 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Turbo C600 Mode 10

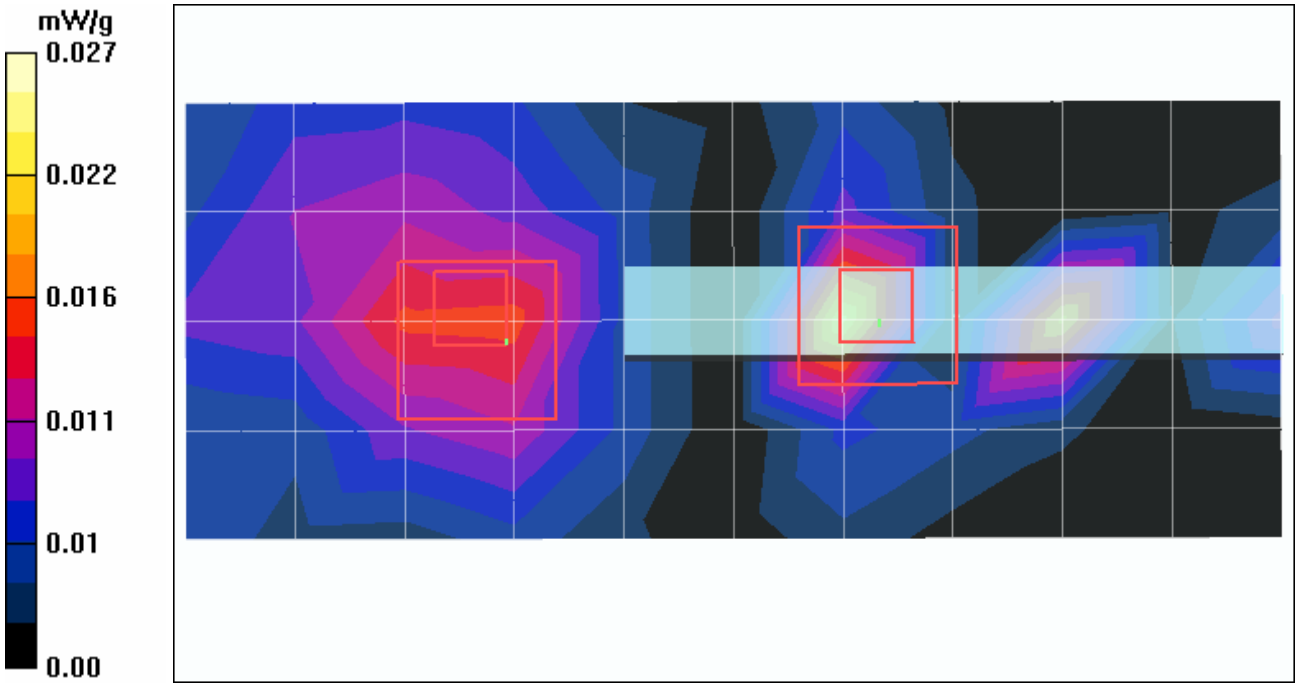
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5290 MHz

Communication System: 802.11a ; Frequency: 5290 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5290 MHz; σ = 5.44 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5290/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.022 mW/g

Mid Channel 5290/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.415 V/m
Peak SAR (extrapolated) = 0.097 W/kg
SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00831 mW/g
Maximum value of SAR (measured) = 0.017 mW/g

Mid Channel 5290/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.415 V/m
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.00741 mW/g
Maximum value of SAR (measured) = 0.027 mW/g



Date/Time: 2005/6/24 23:20:02

Test Laboratory: Advance Data Technology

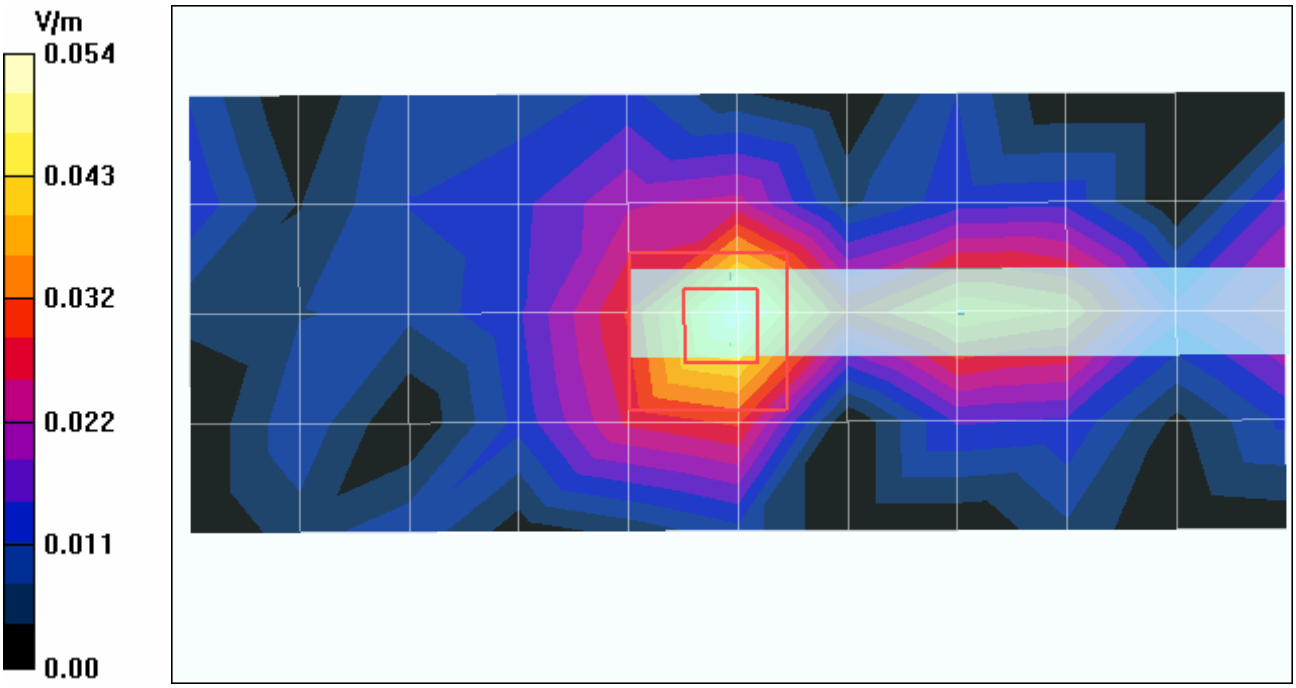
DCUA-81Vertical 11a-Turbo C600 Mode 10

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5760 MHz

Communication System: 802.11a ; Frequency: 5760 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $\sigma = 6.18$ mho/m, $\varepsilon_r = 46.9$; $\rho = 1000$ kg/m^3 Medium parameters used: f = 5760 MHz; $\sigma = 6.18$ mho/m; $\varepsilon_r = 46.9$; $\rho = 1000$ kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5760/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of Total (measured) = 2.98 V/m

Mid Channel 5760/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.02 V/m
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.054 mW/g



Date/Time: 2005/6/24 23:38:17

Test Laboratory: Advance Data Technology

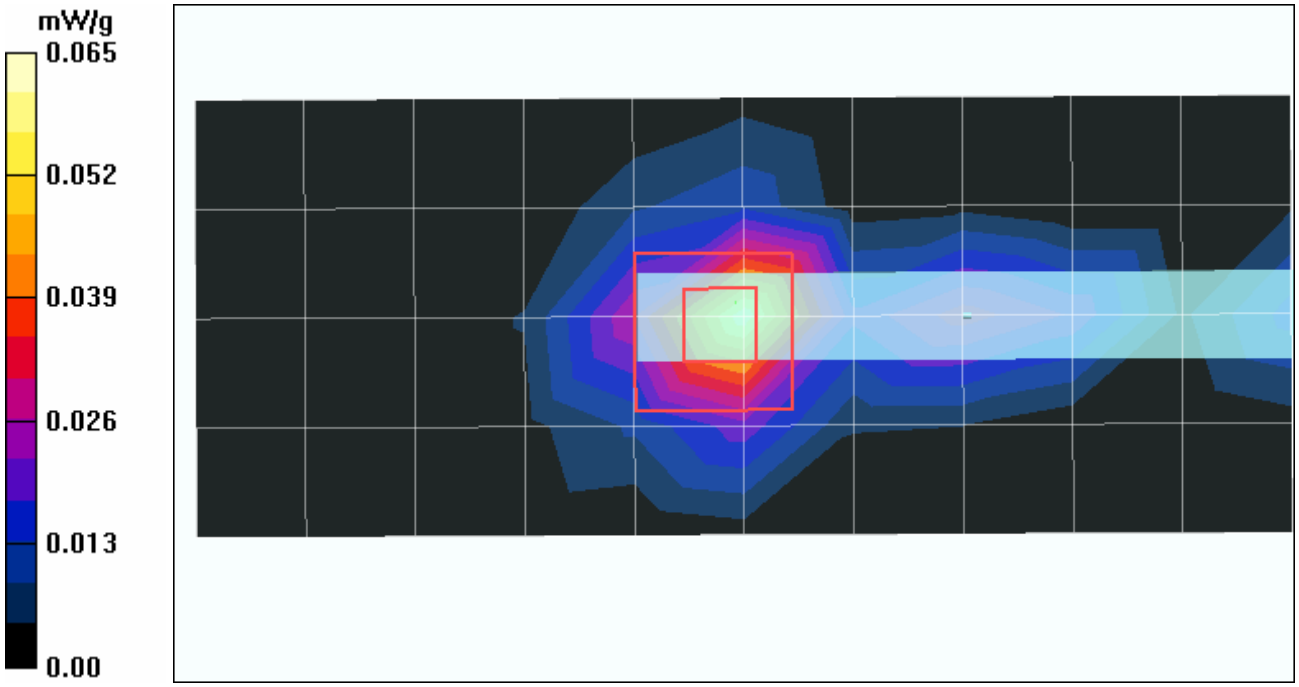
DCUA-81 Vertical 11a-Turbo C600 Mode 10

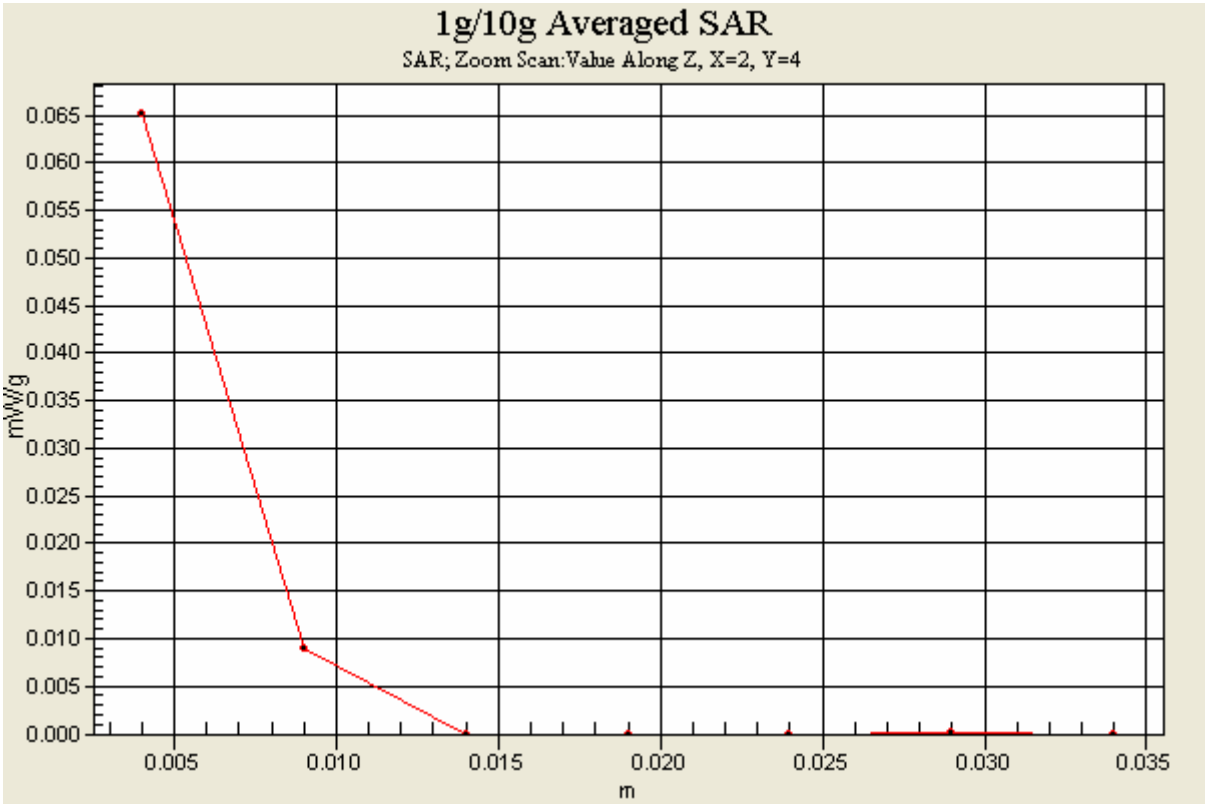
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5800 MHz

Communication System: 802.11a ; Frequency: 5800 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5800 MHz; σ = 6.24 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5800/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.060 mW/g

High Channel 5800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.00 V/m
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.065 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=4
mW/g
0.065
0.060
0.055
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/23 13:47:11

Test Laboratory: Advance Data Technology

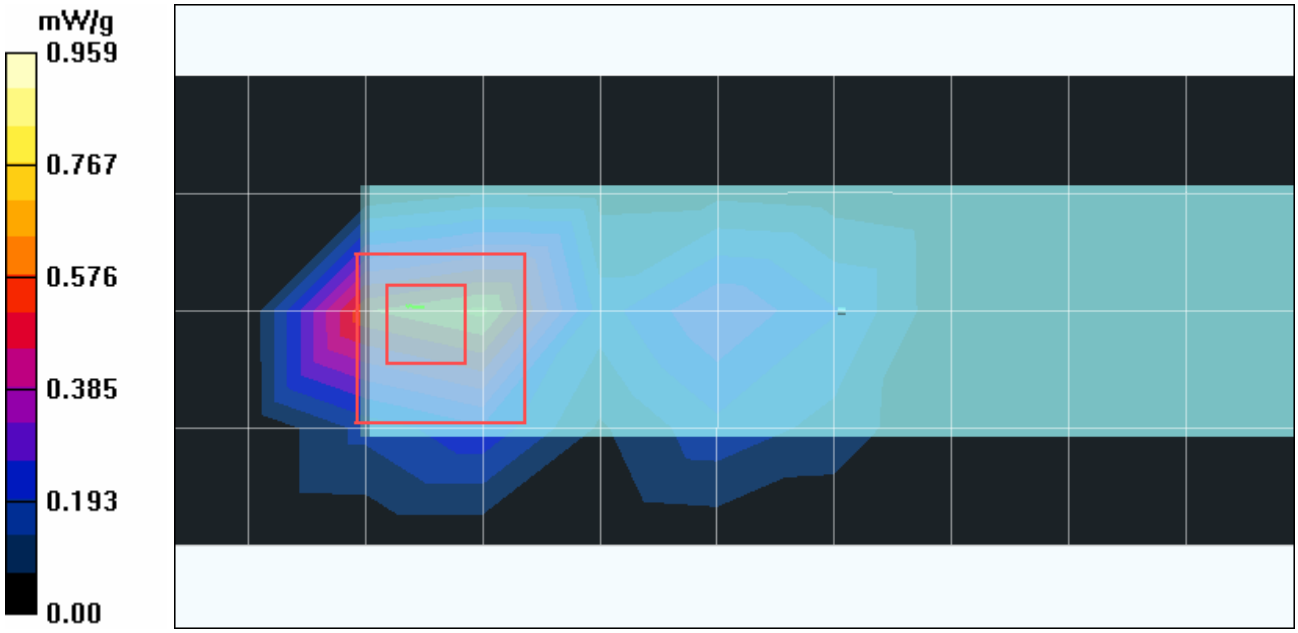
DCUA-82 Horizontal 11b N800C Mode 11

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.95 mho/m; ε_r = 54; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.664 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.2 V/m
Peak SAR (extrapolated) = 2.79 W/kg
SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.309 mW/g
Maximum value of SAR (measured) = 0.959 mW/g



Date/Time: 2005/6/23 14:06:15

Test Laboratory: Advance Data Technology

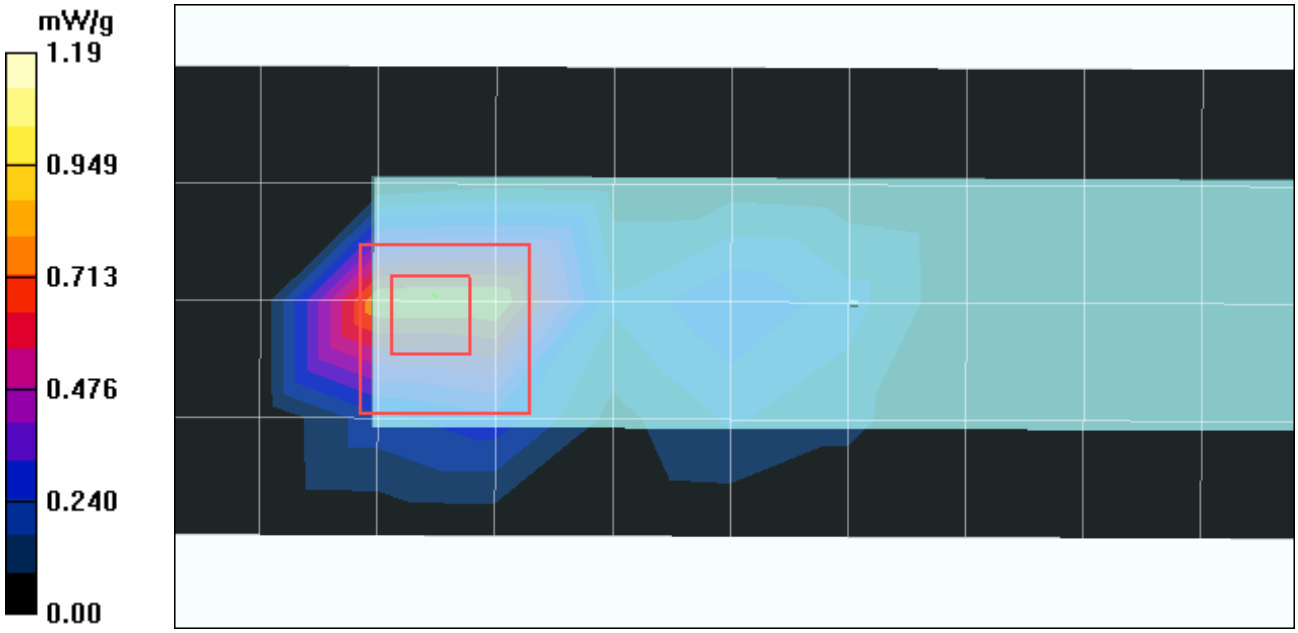
DCUA-82 Horizontal 11b N800C Mode 11

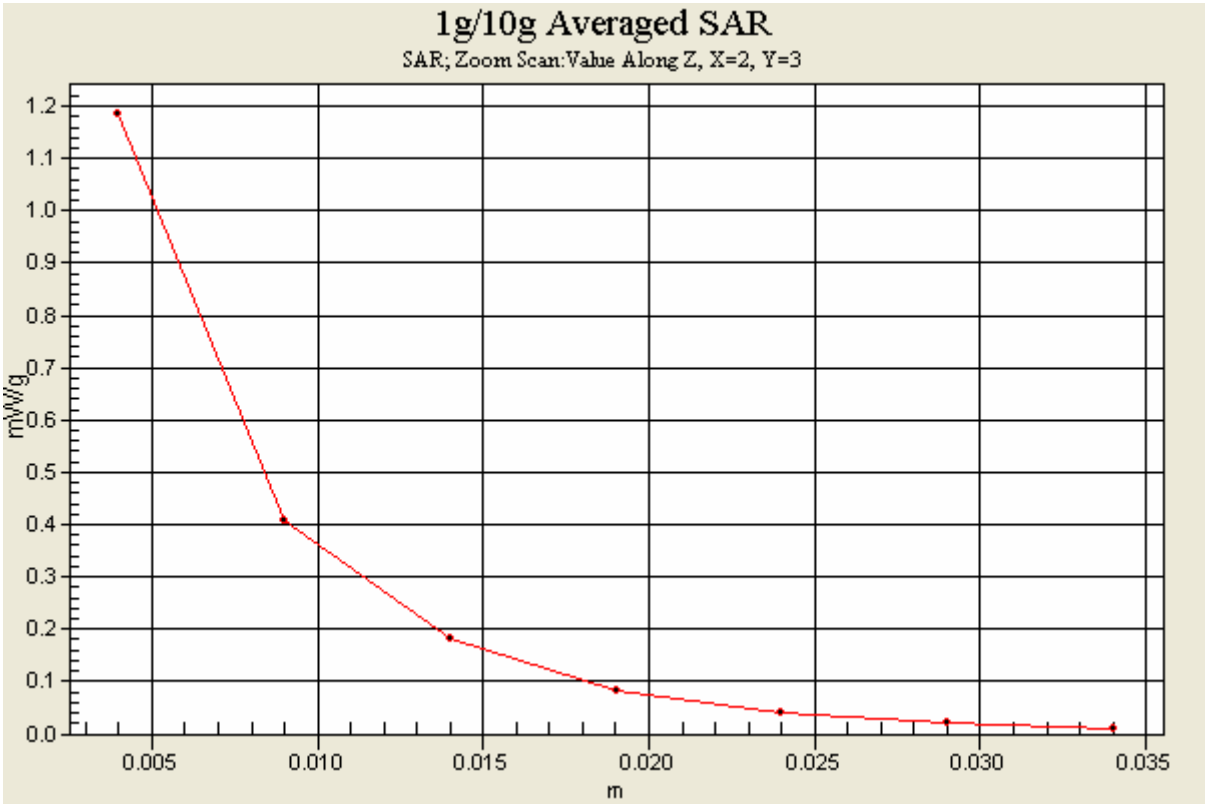
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.802 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.0 V/m
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.377 mW/g
Maximum value of SAR (measured) = 1.19 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=3
mW/g
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/23 14:24:29

Test Laboratory: Advance Data Technology

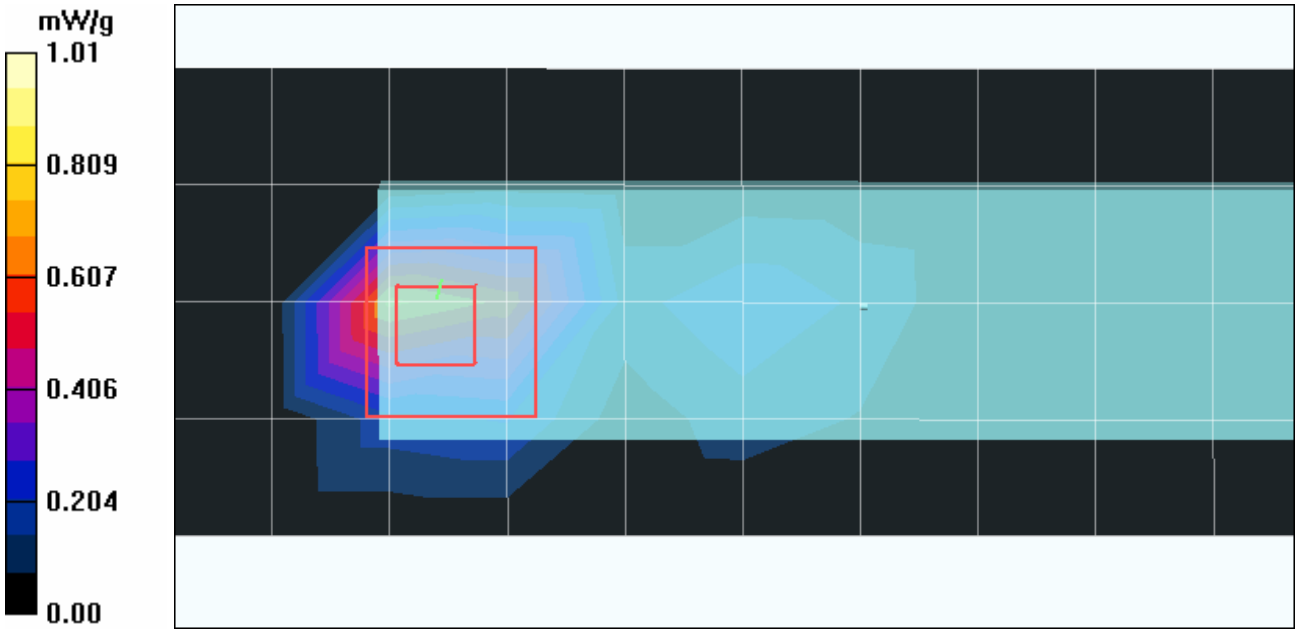
DCUA-82 Horizontal 11b N800C Mode 11

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.698 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.39 V/m
Peak SAR (extrapolated) = 3.22 W/kg
SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.302 mW/g
Maximum value of SAR (measured) = 1.01 mW/g



Date/Time: 2005/6/23 15:19:11

Test Laboratory: Advance Data Technology

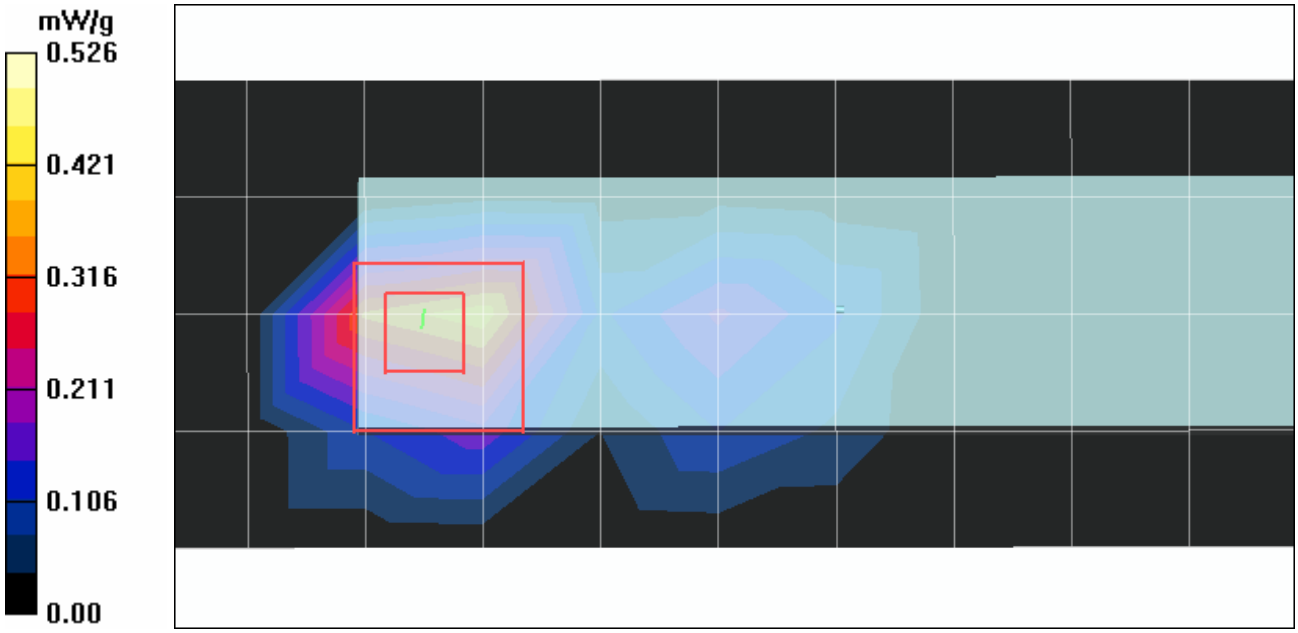
DCUA-82 Horizontal 11g N800C Mode 12

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.95 mho/m; ε_r = 54; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.379 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.10 V/m
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.526 mW/g



Date/Time: 2005/6/23 15:37:10

Test Laboratory: Advance Data Technology

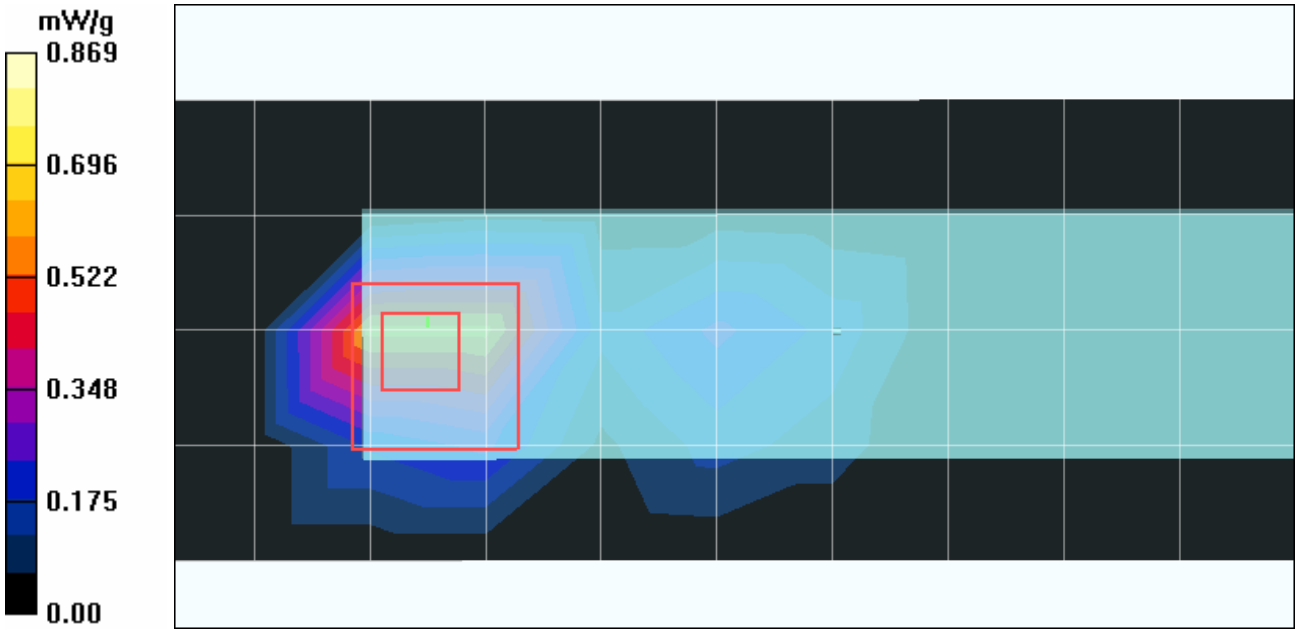
DCUA-82 Horizontal 11g N800C Mode 12

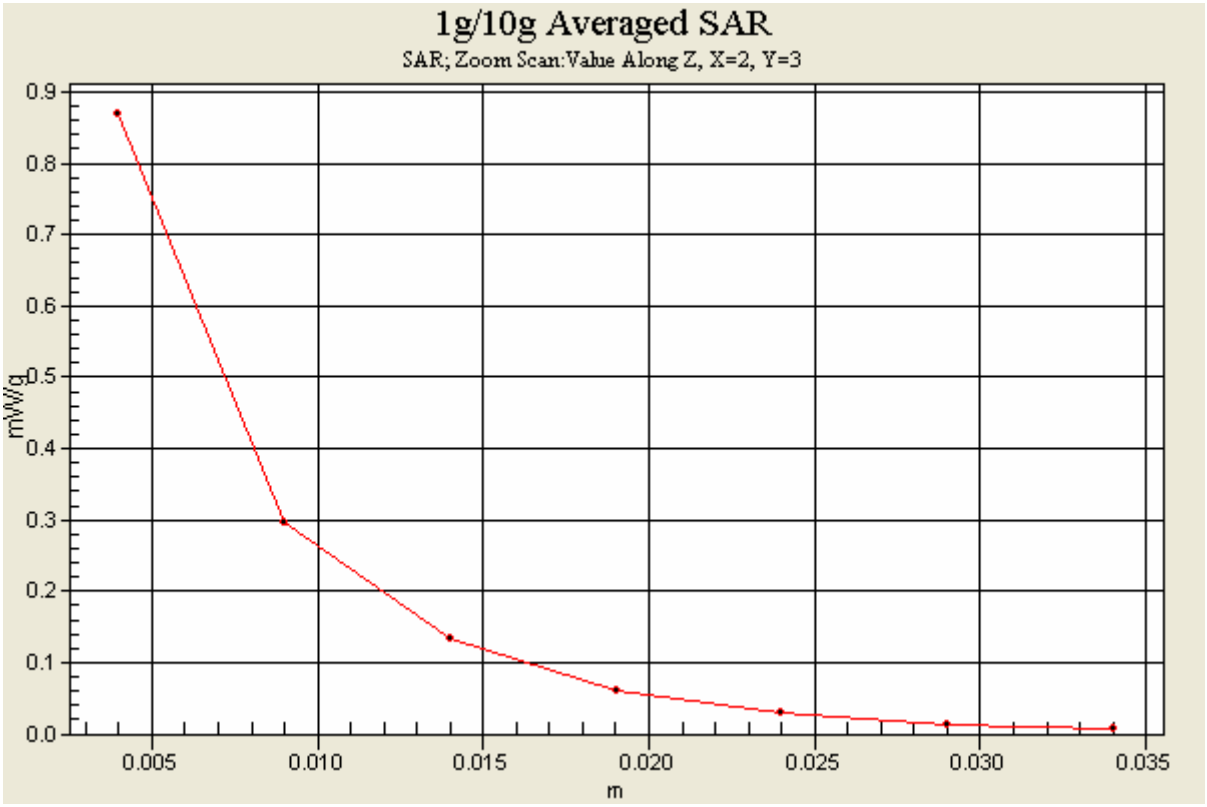
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.604 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.58 V/m
Peak SAR (extrapolated) = 3.01 W/kg
SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.869 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=3
mW/g
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/23 15:54:41

Test Laboratory: Advance Data Technology

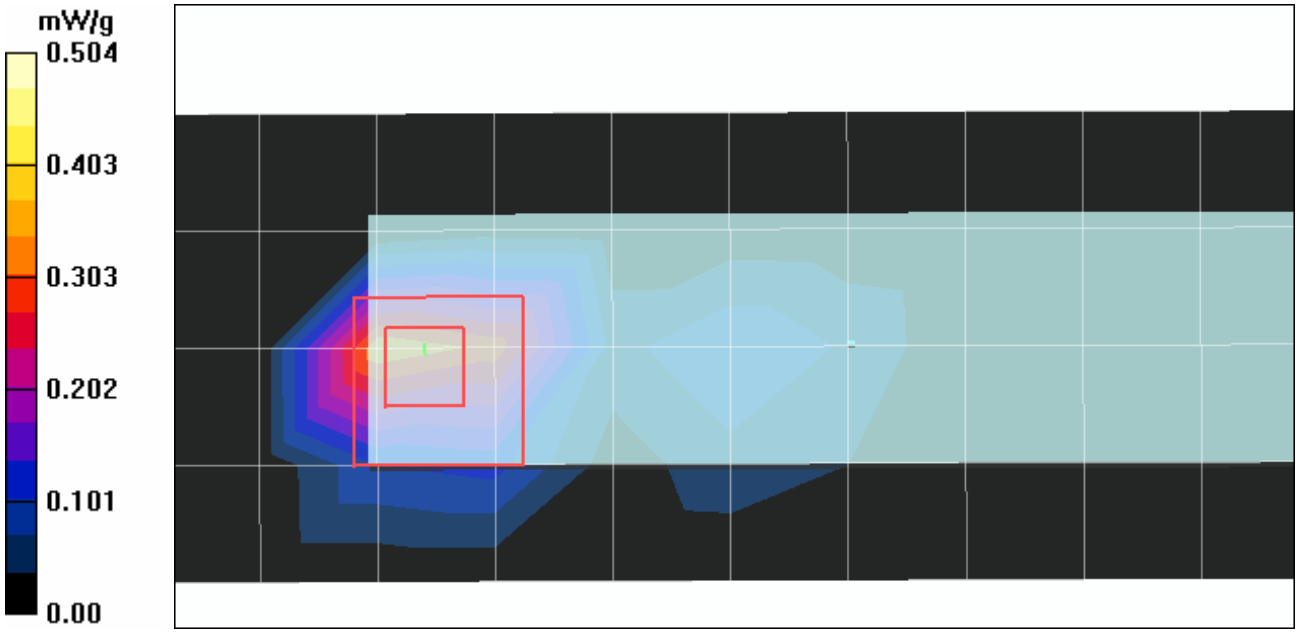
DCUA-82 Horizontal 11g N800C Mode 12

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.334 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.96 V/m
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 0.504 mW/g



Date/Time: 2005/6/23 16:14:14

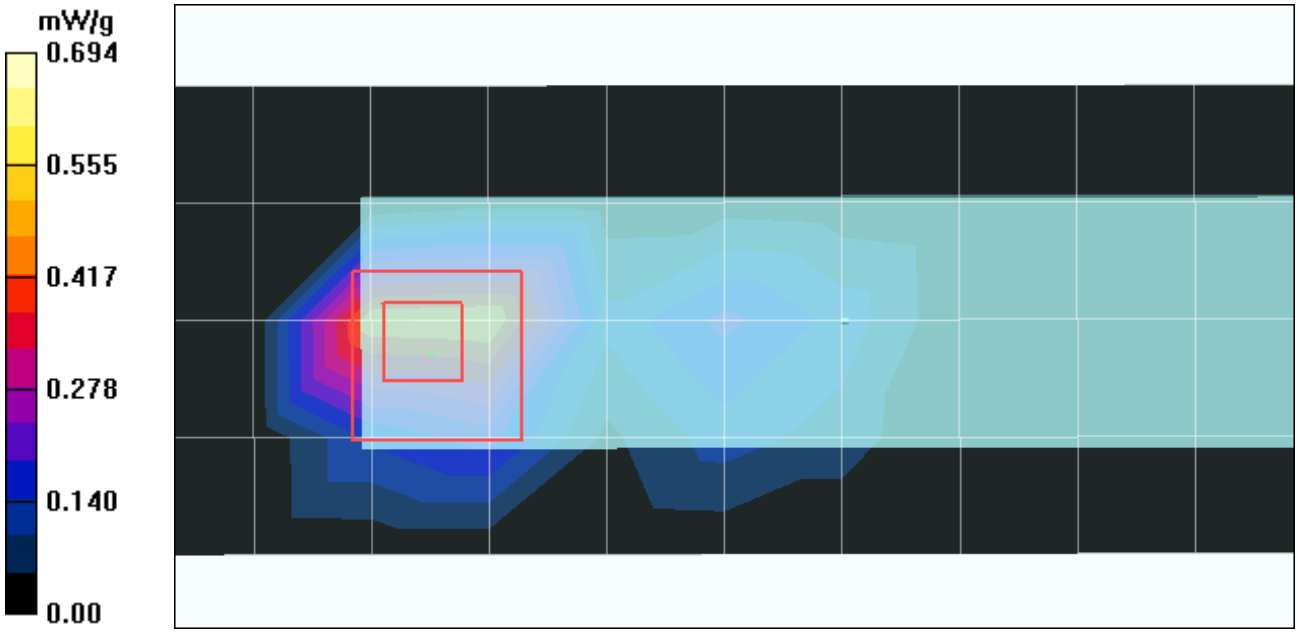
Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11g-Turbo N800C Mode 13

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz
Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.471 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.15 V/m
Peak SAR (extrapolated) = 2.26 W/kg
SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 0.694 mW/g



Date/Time: 2005/6/23 14:41:26

Test Laboratory: Advance Data Technology

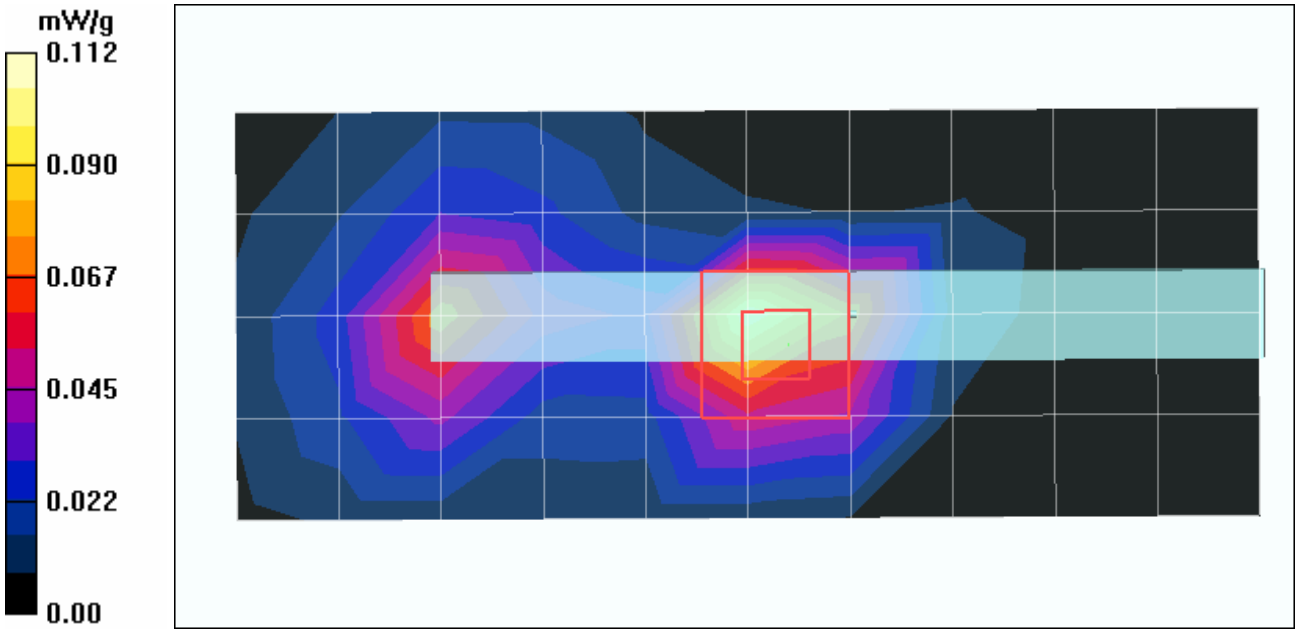
DCUA-82 Horizontal 11b N800C Mode 14

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The left side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.104 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.71 V/m
Peak SAR (extrapolated) = 0.226 W/kg
SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.112 mW/g



Date/Time: 2005/6/23 16:35:16

Test Laboratory: Advance Data Technology

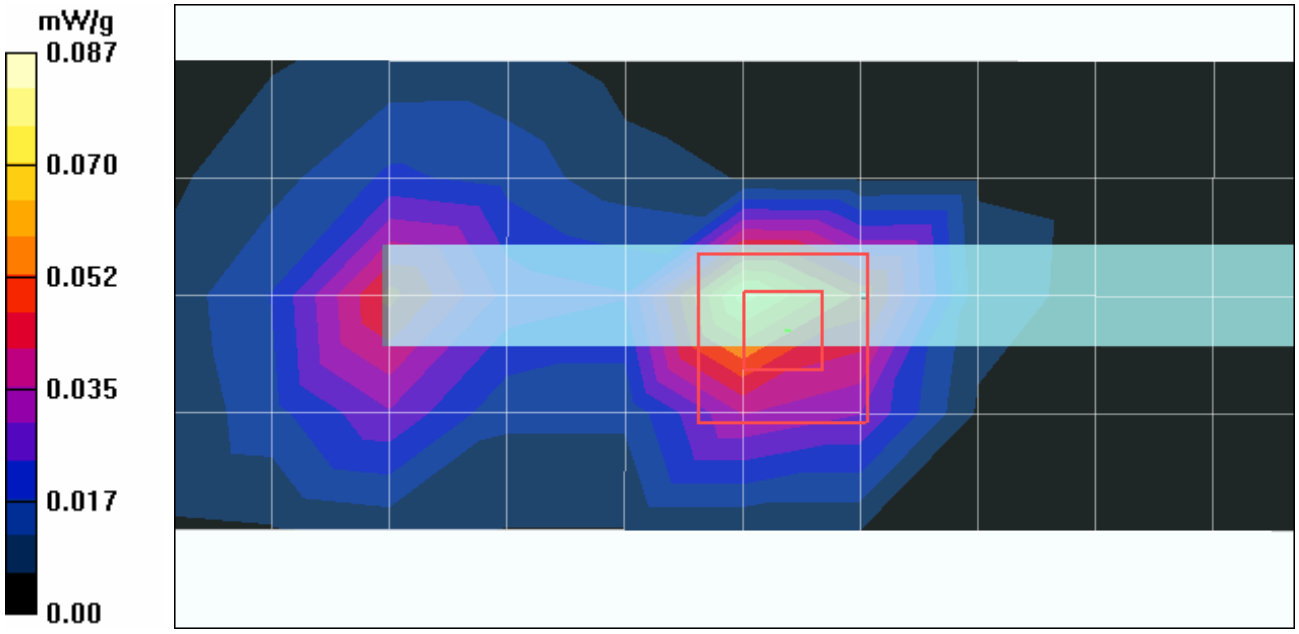
DCUA-82 Horizontal 11g N800C Mode 15

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The left side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.072 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.39 V/m
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.087 mW/g



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Test Laboratory: Advance Data Technology

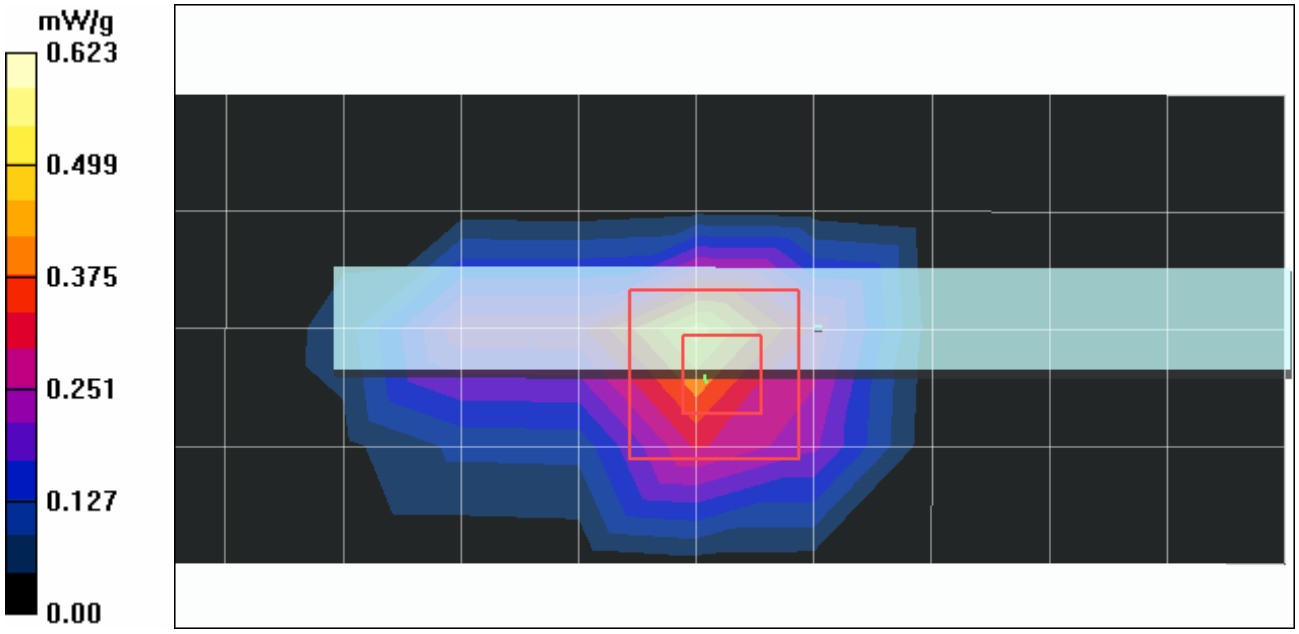
DCUA-82 Horizontal 11b N800C Mode 16

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.481 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.0 V/m
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.257 mW/g
Maximum value of SAR (measured) = 0.623 mW/g



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Test Laboratory: Advance Data Technology

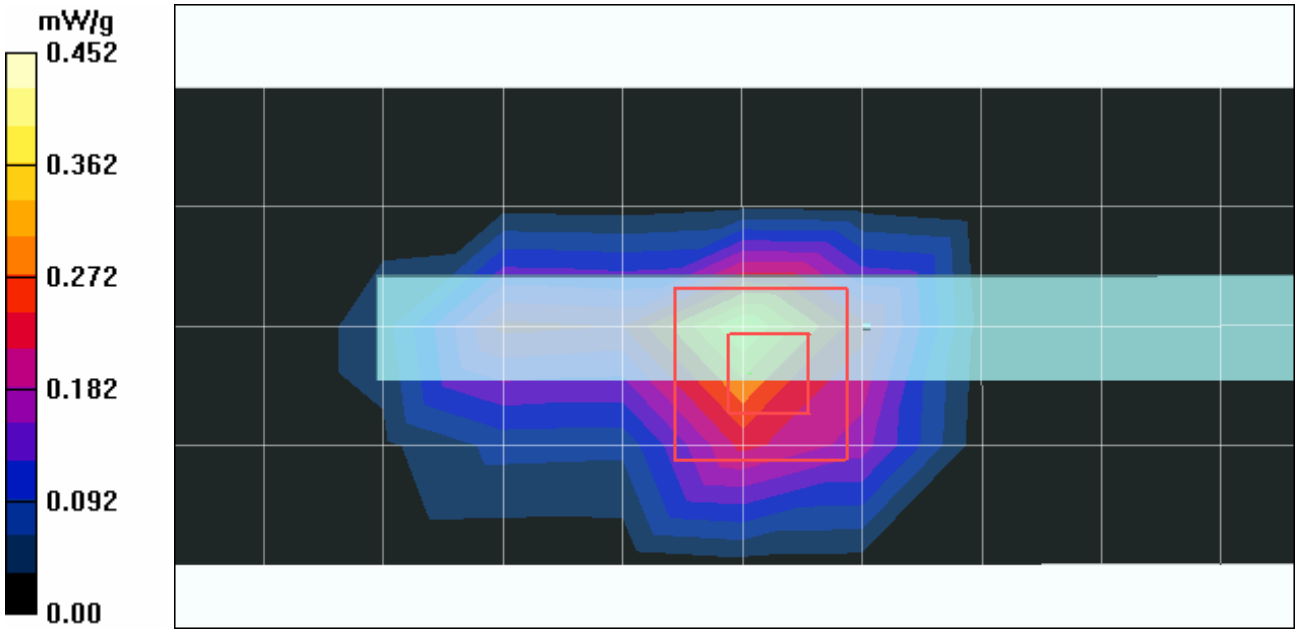
DCUA-82 Horizontal 11g N800C Mode 17

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.365 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.3 V/m
Peak SAR (extrapolated) = 0.908 W/kg
SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.185 mW/g
Maximum value of SAR (measured) = 0.452 mW/g



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Test Laboratory: Advance Data Technology

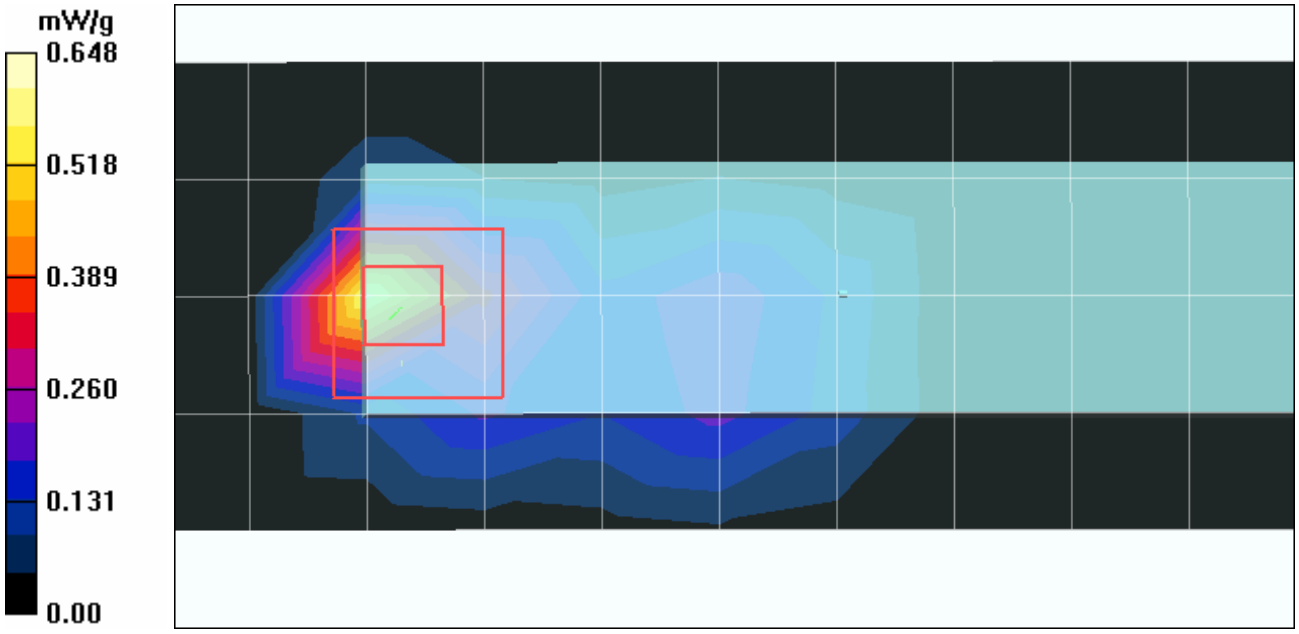
DCUA-82 Vertical 11b C600 Mode 18

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The front side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.576 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.04 V/m
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.213 mW/g
Maximum value of SAR (measured) = 0.648 mW/g



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Test Laboratory: Advance Data Technology

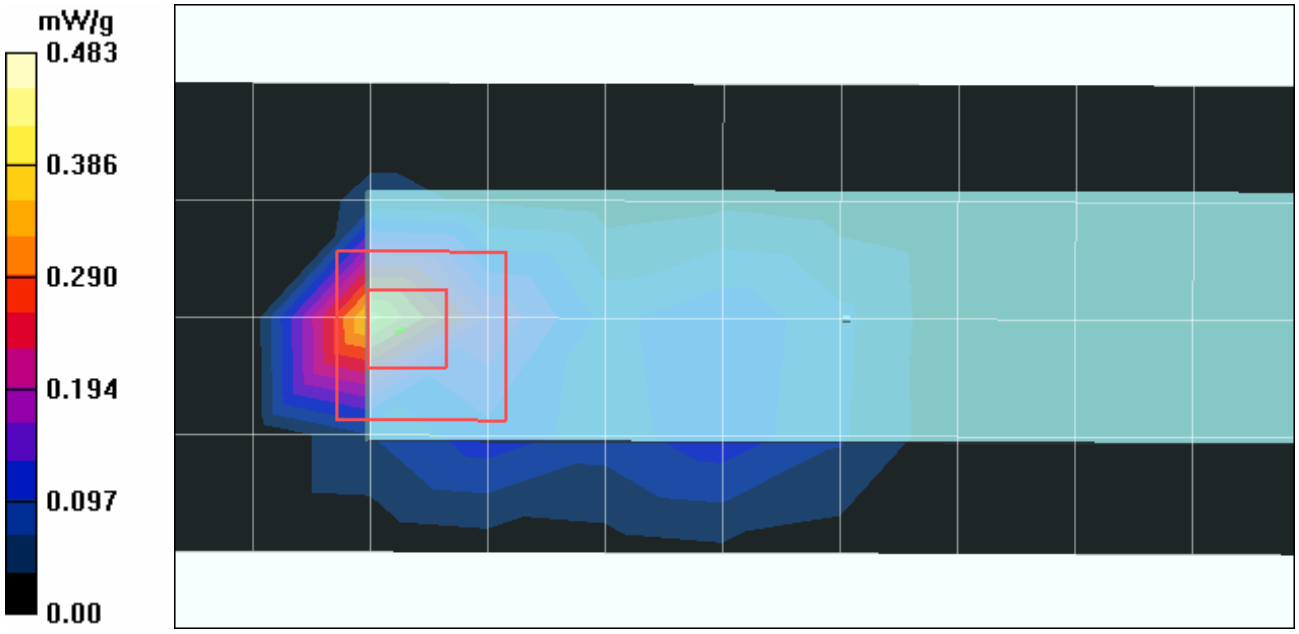
DCUA-82 Vertical 11g C600 Mode 19

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ; Liquid level : 152mm
Phantom section: Flat Section ; Separation distance : 0 mm (The front side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.373 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.64 V/m
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.483 mW/g



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Test Laboratory: Advance Data Technology

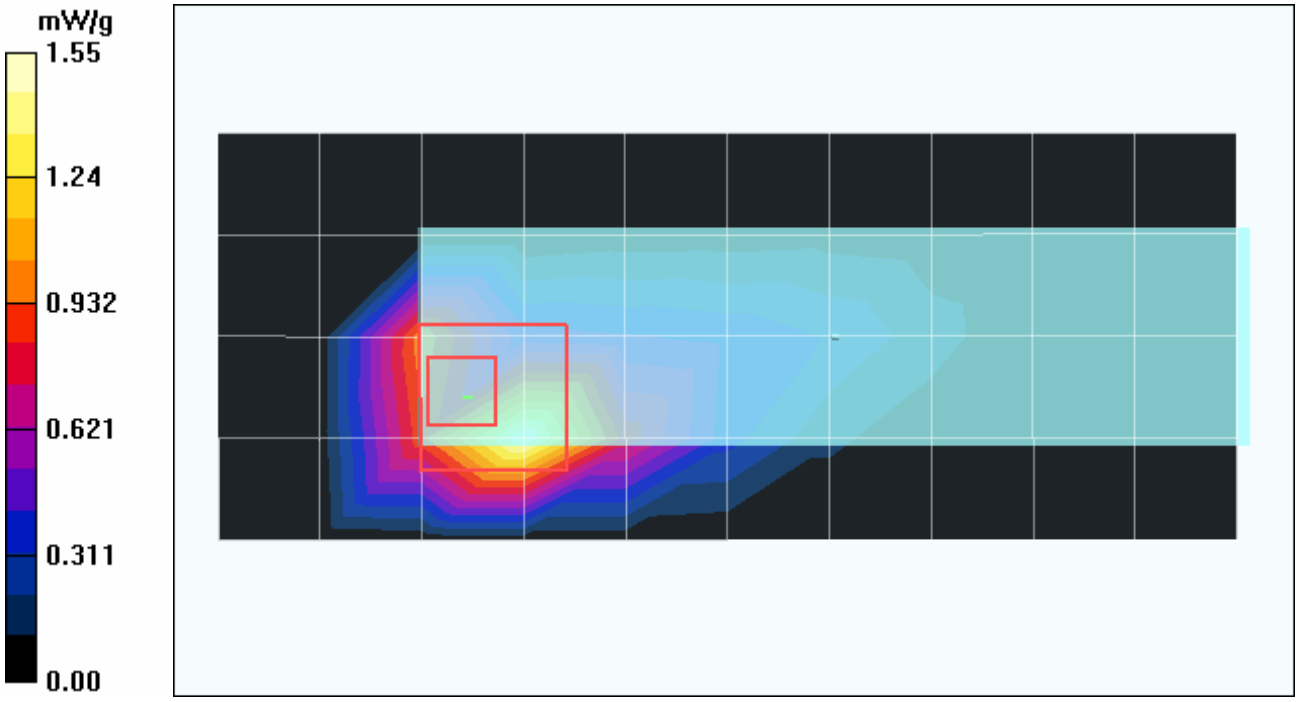
DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5180 MHz

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5180 MHz; σ = 5.28 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5180/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.607 mW/g

Low Channel 5180/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.09 V/m
Peak SAR (extrapolated) = 4.18 W/kg
SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 1.55 mW/g



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Test Laboratory: Advance Data Technology

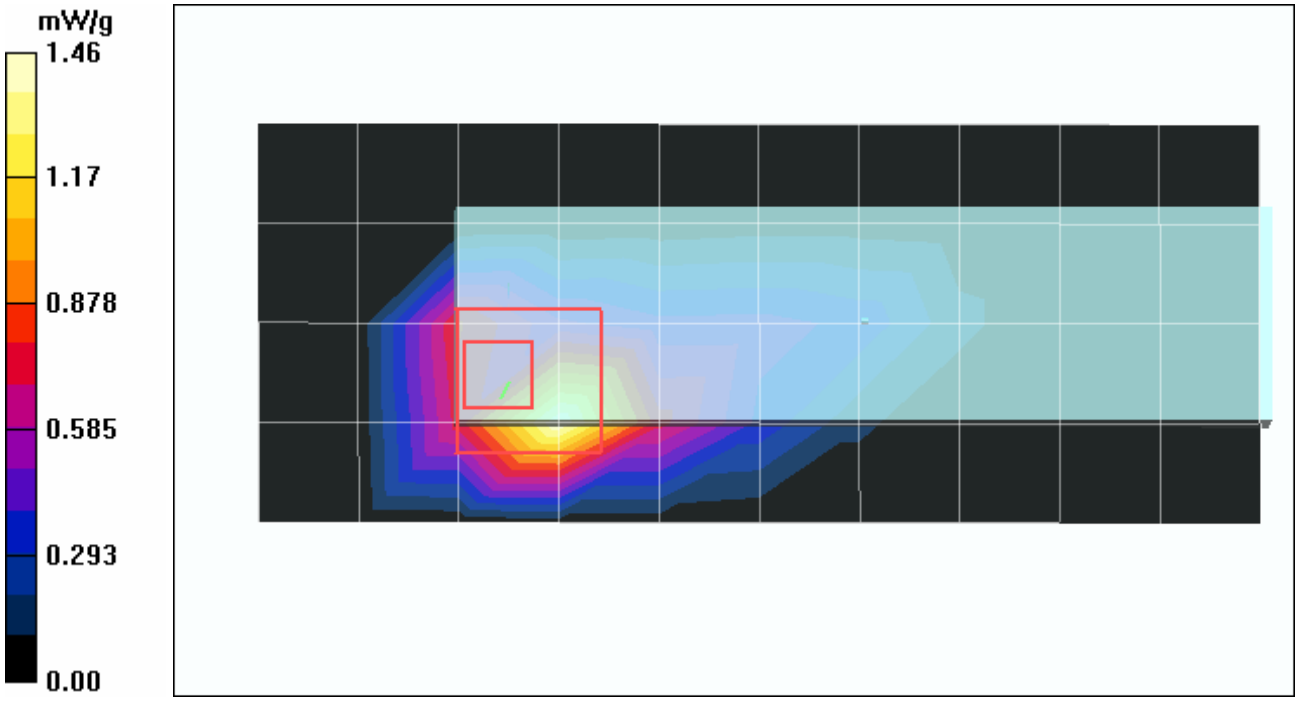
DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5240 MHz

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5240 MHz; σ = 5.38 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5240/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.642 mW/g

Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.76 V/m
Peak SAR (extrapolated) = 3.85 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 1.46 mW/g



Date/Time: 2005/6/27 11:41:38

Test Laboratory: Advance Data Technology

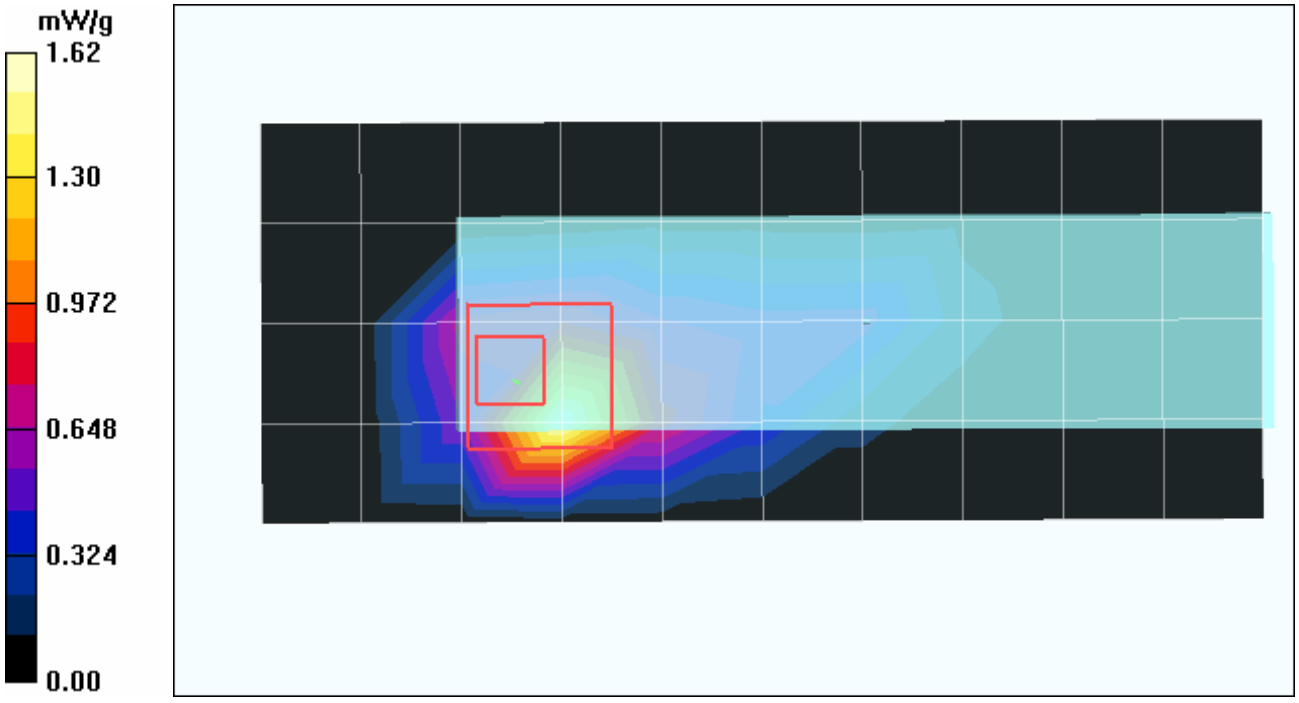
DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5260 MHz; σ = 5.4 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5260/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.913 mW/g

Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.97 V/m
Peak SAR (extrapolated) = 4.66 W/kg
SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.431 mW/g
Maximum value of SAR (measured) = 1.62 mW/g



Date/Time: 2005/6/27 11:59:15

Test Laboratory: Advance Data Technology

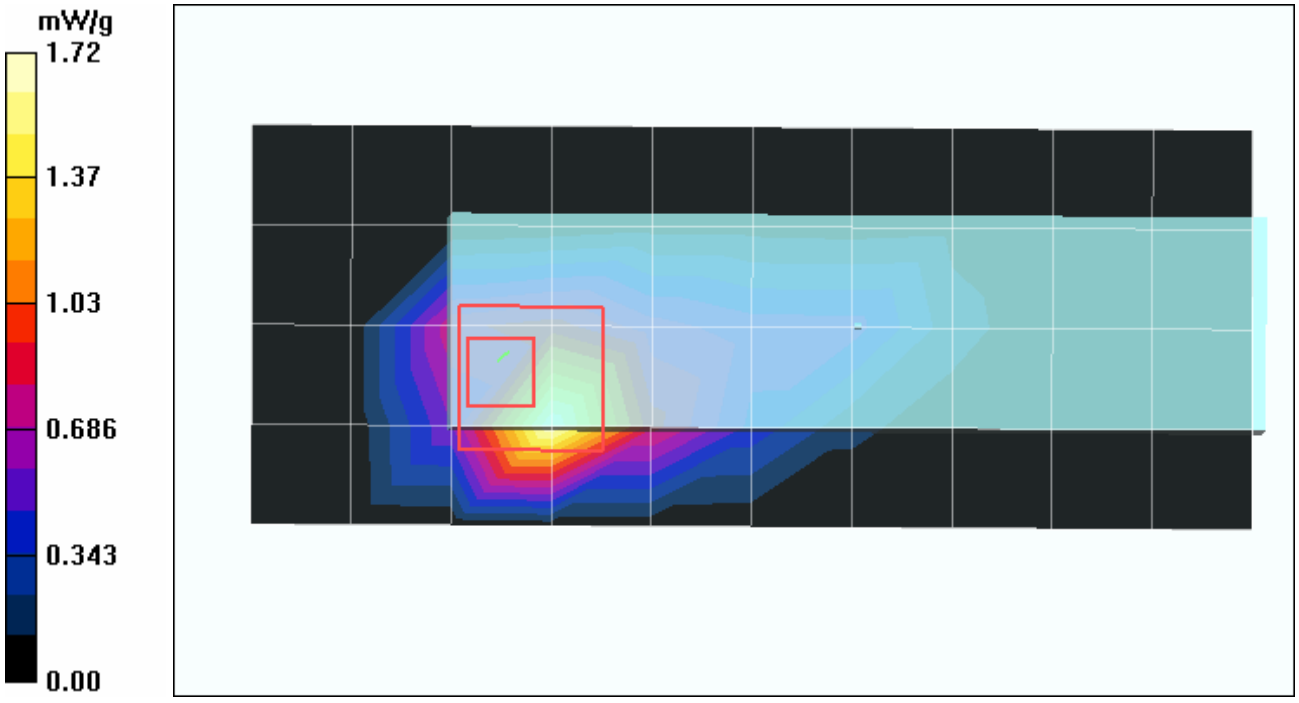
DCUA-82 Horizontal 11a-Normal N800C Mode 20

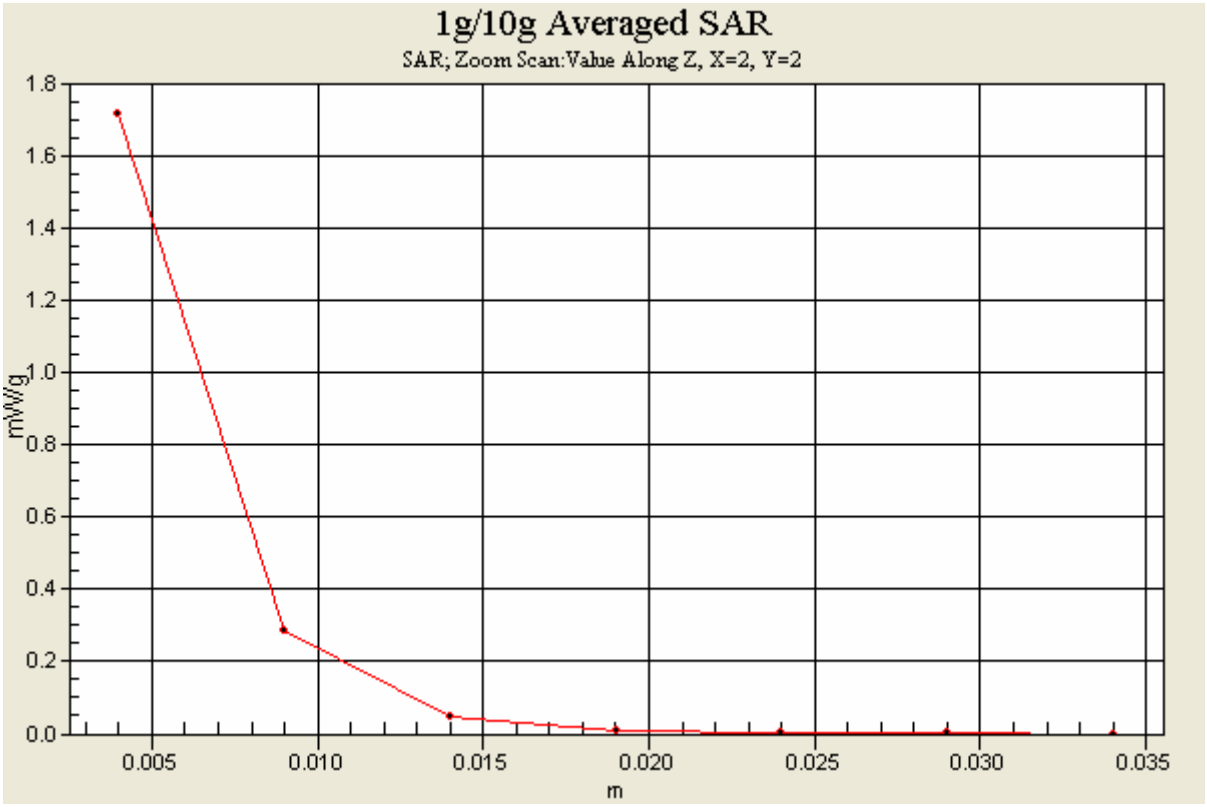
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; σ = 5.49 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.896 mW/g

Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.34 V/m
Peak SAR (extrapolated) = 4.97 W/kg
SAR(1 g) = 1.51 mW/g; SAR(10 g) = 0.459 mW/g
Maximum value of SAR (measured) = 1.72 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
mW/g
m
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035

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Test Laboratory: Advance Data Technology

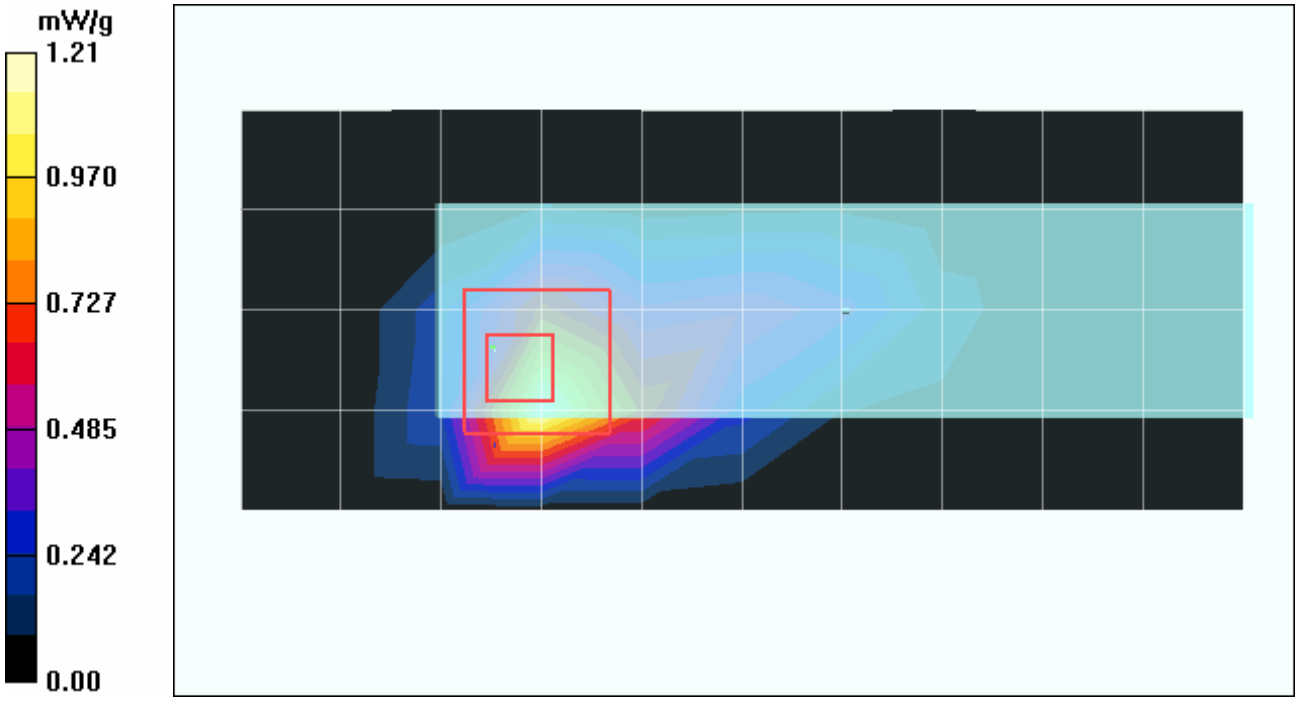
DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5745 MHz; σ = 6.16 mho/m; ε_r = 47; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5745/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.761 mW/g

Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.44 V/m
Peak SAR (extrapolated) = 3.37 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.324 mW/g
Maximum value of SAR (measured) = 1.21 mW/g



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Test Laboratory: Advance Data Technology

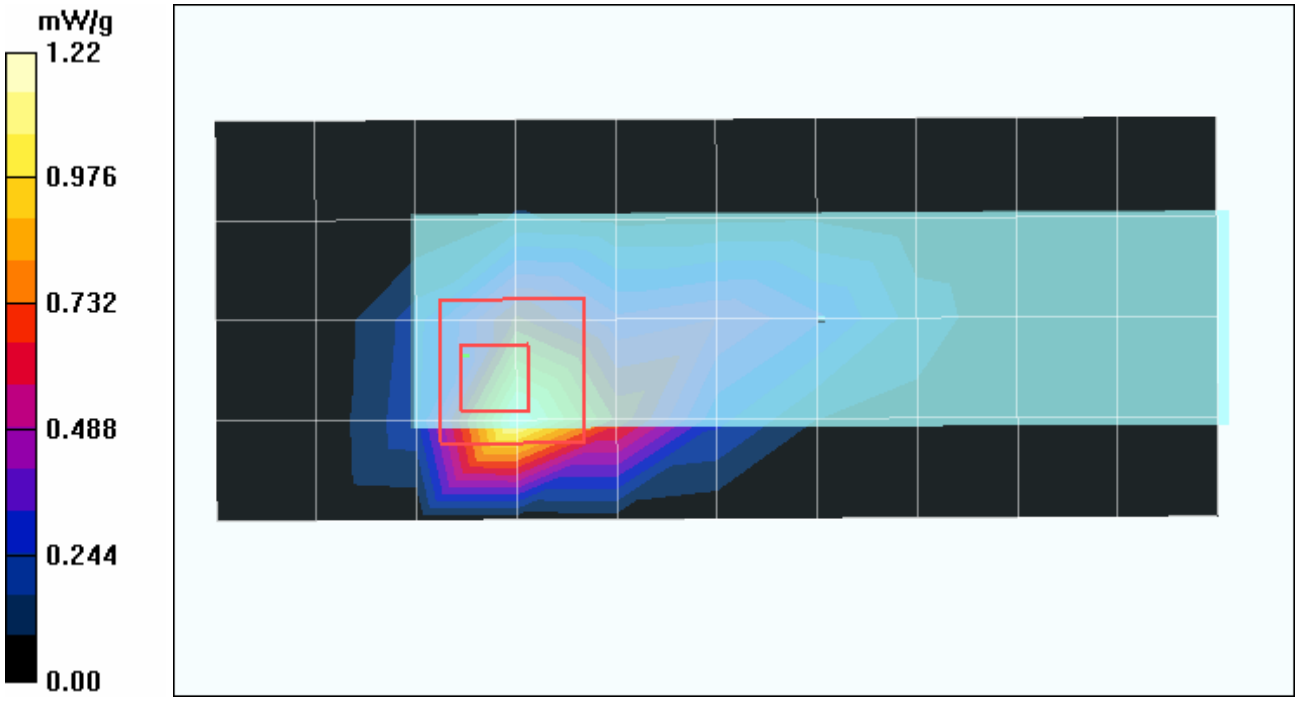
DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5785 MHz; σ = 6.22 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5785/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.763 mW/g

Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.27 V/m
Peak SAR (extrapolated) = 3.48 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



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Test Laboratory: Advance Data Technology

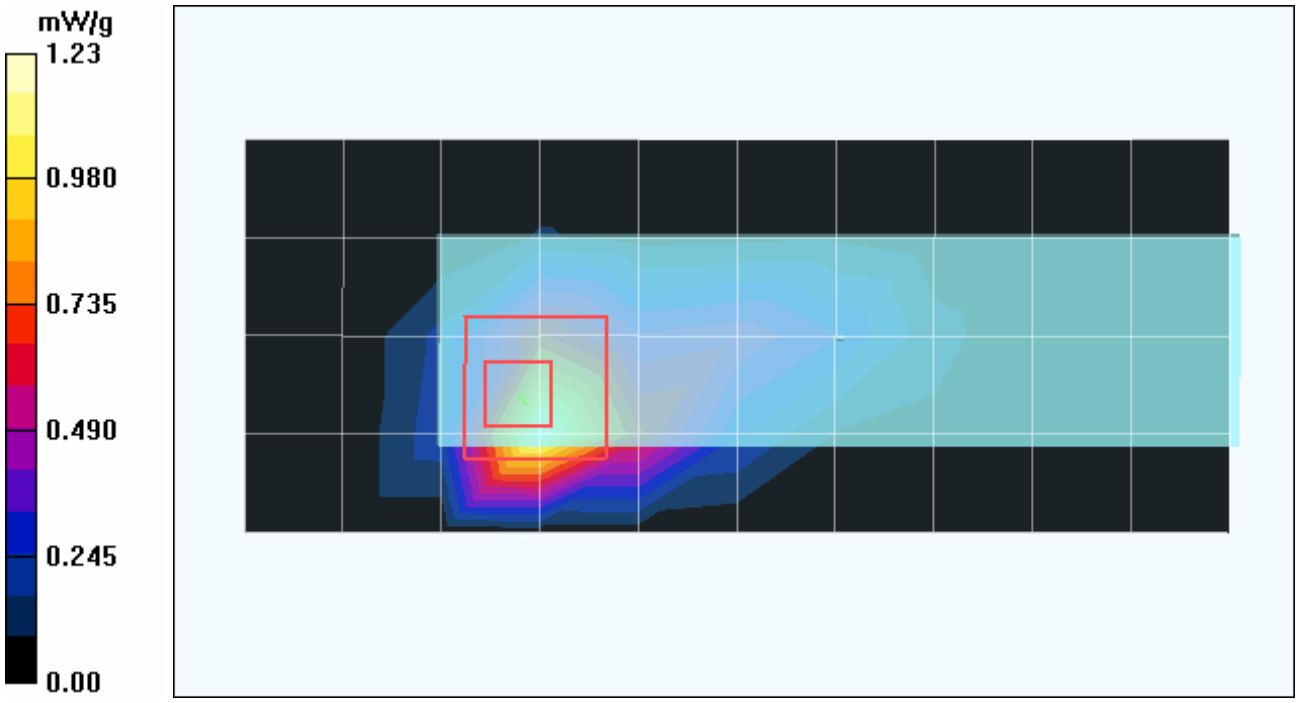
DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5825 MHz

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5825 MHz; σ = 6.28 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5825/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.803 mW/g

High Channel 5825/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.32 V/m
Peak SAR (extrapolated) = 3.59 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.334 mW/g
Maximum value of SAR (measured) = 1.23 mW/g



Date/Time: 2005/6/27 13:56:07

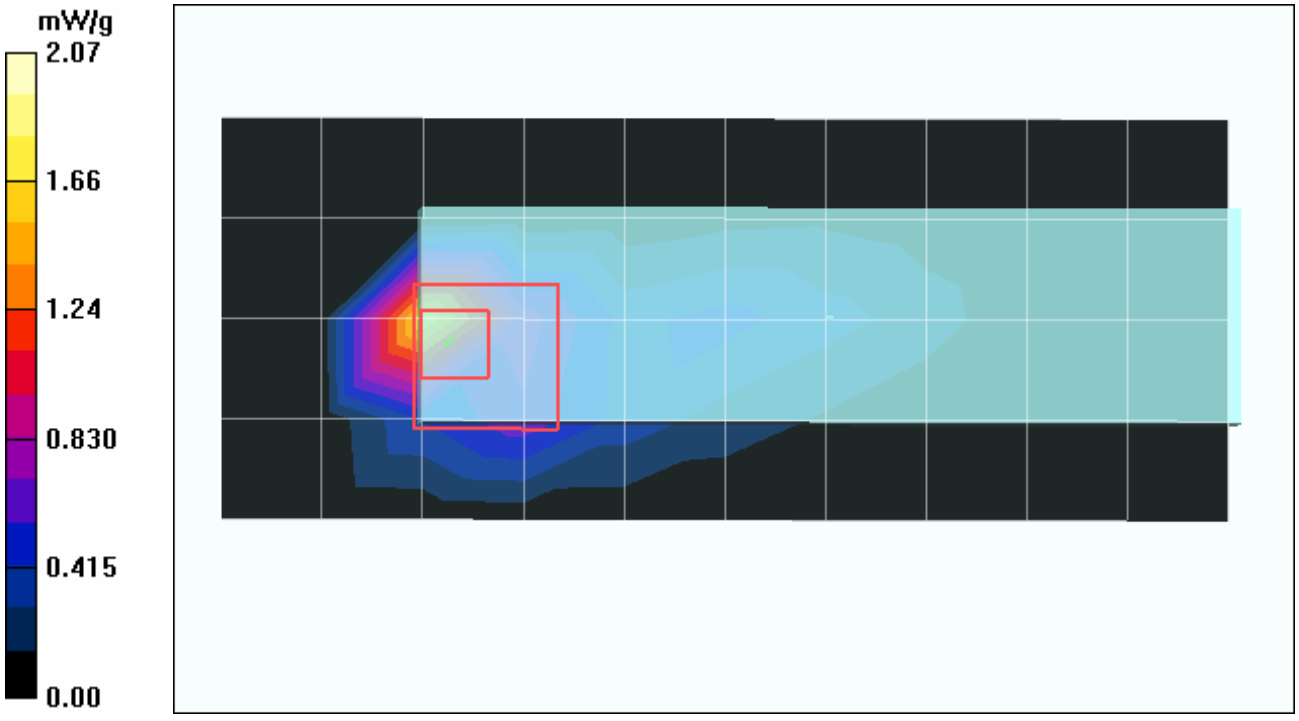
Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5210 MHz
Communication System: 802.11a ; Frequency: 5210 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5210 MHz; σ = 5.33 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5210/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.720 mW/g

Low Channel 5210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.95 V/m
Peak SAR (extrapolated) = 5.23 W/kg
SAR(1 g) = 1.52 mW/g; SAR(10 g) = 0.417 mW/g
Maximum value of SAR (measured) = 2.07 mW/g



Date/Time: 2005/6/27 14:14:06

Test Laboratory: Advance Data Technology

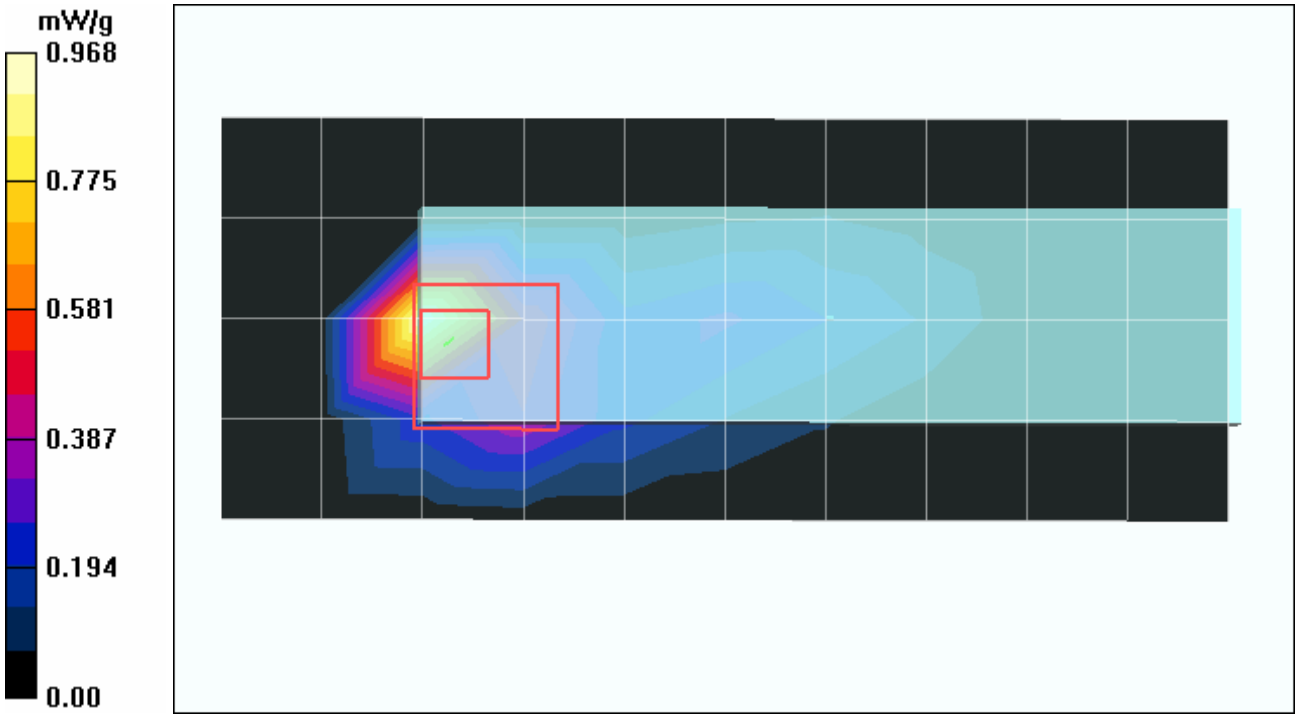
DCUA-82 Horizontal 11a-Turbo N800C Mode 21

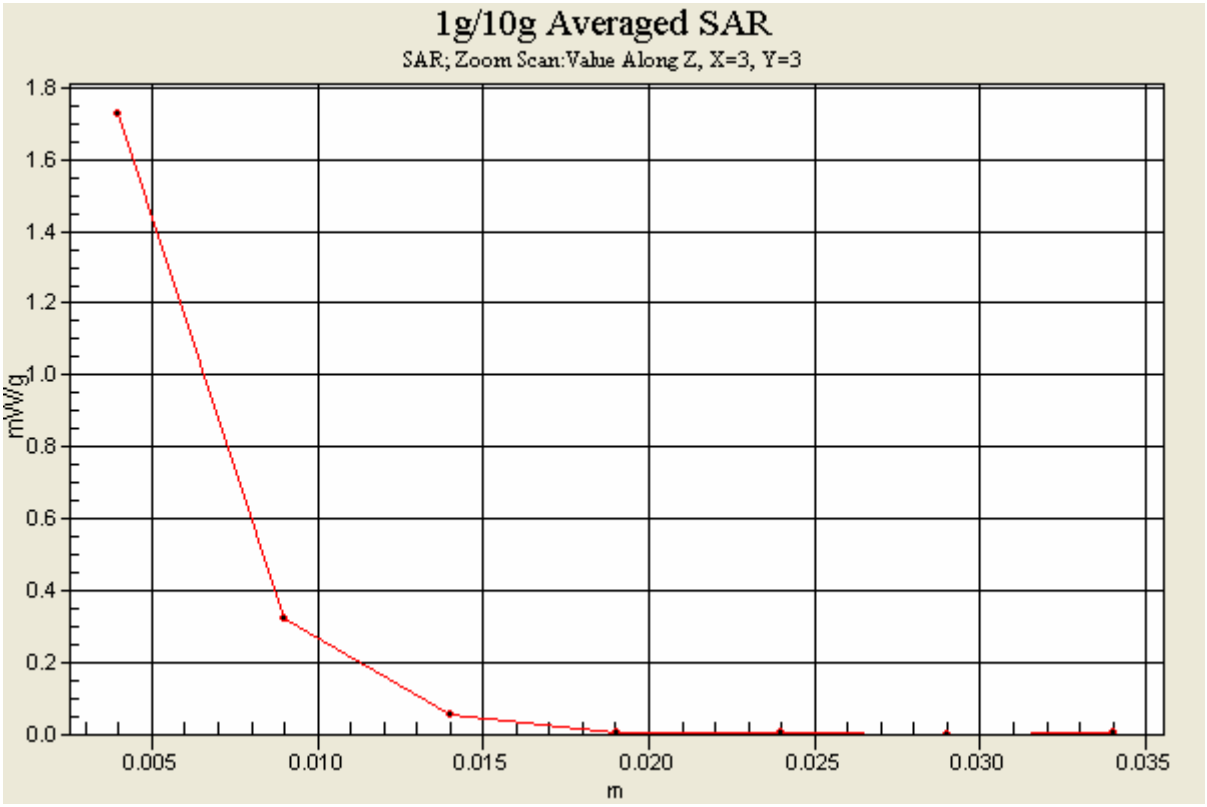
DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5250 MHz; σ = 5.39 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.968 mW/g

Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.87 V/m
Peak SAR (extrapolated) = 10.9 W/kg
SAR(1 g) = 1.55 mW/g; SAR(10 g) = 0.418 mW/g
Maximum value of SAR (measured) = 1.73 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=3
mW/g
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

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Test Laboratory: Advance Data Technology

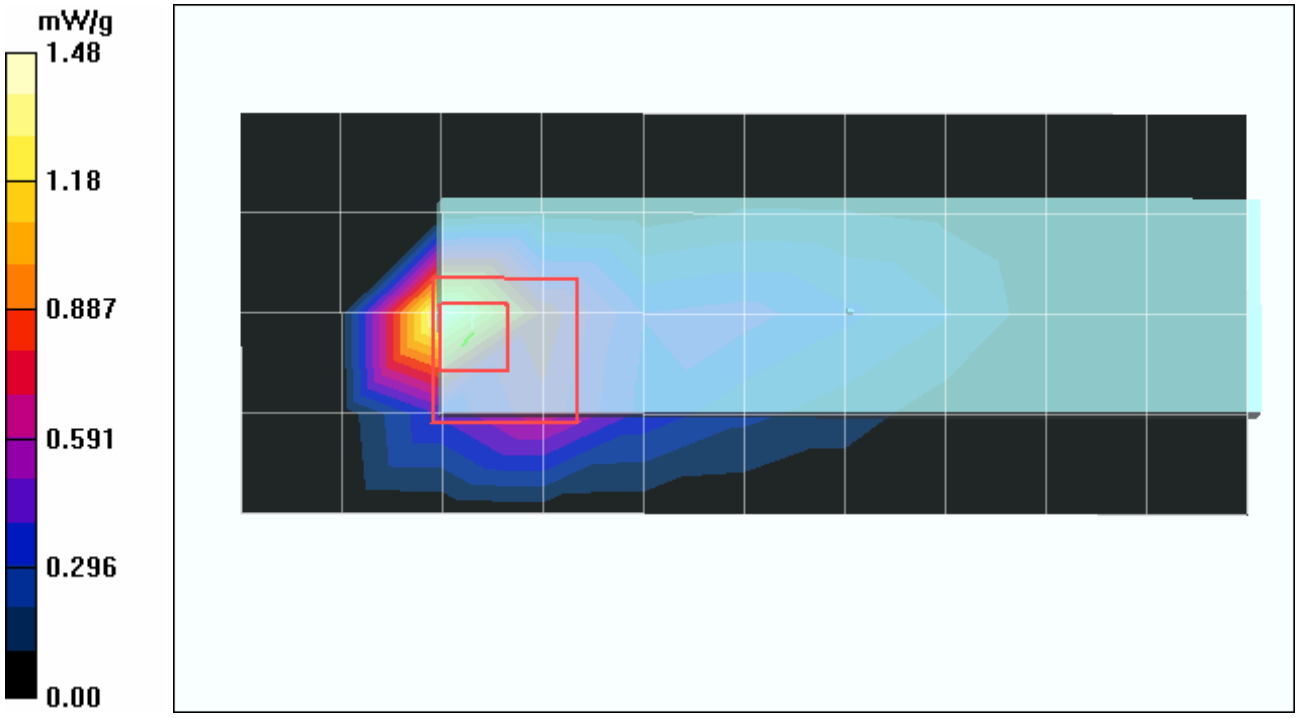
DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5290 MHz

Communication System: 802.11a ; Frequency: 5290 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5290 MHz; σ = 5.44 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5290/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.884 mW/g

Mid Channel 5290/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.21 V/m
Peak SAR (extrapolated) = 9.71 W/kg
SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.405 mW/g
Maximum value of SAR (measured) = 1.48 mW/g



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Test Laboratory: Advance Data Technology

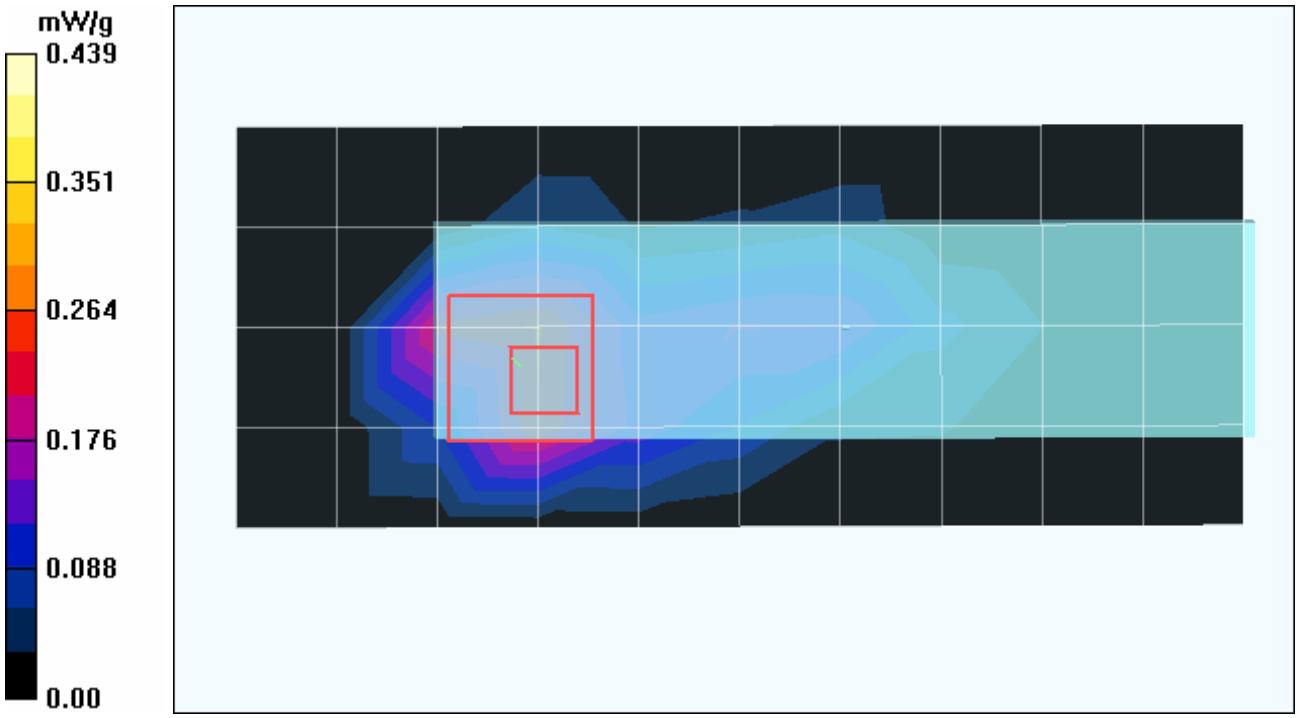
DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5760 MHz

Communication System: 802.11a ; Frequency: 5760 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5760 MHz; σ = 6.18 mho/m; ε_r = 47; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5760/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.240 mW/g

Mid Channel 5760/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.06 V/m
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.439 mW/g



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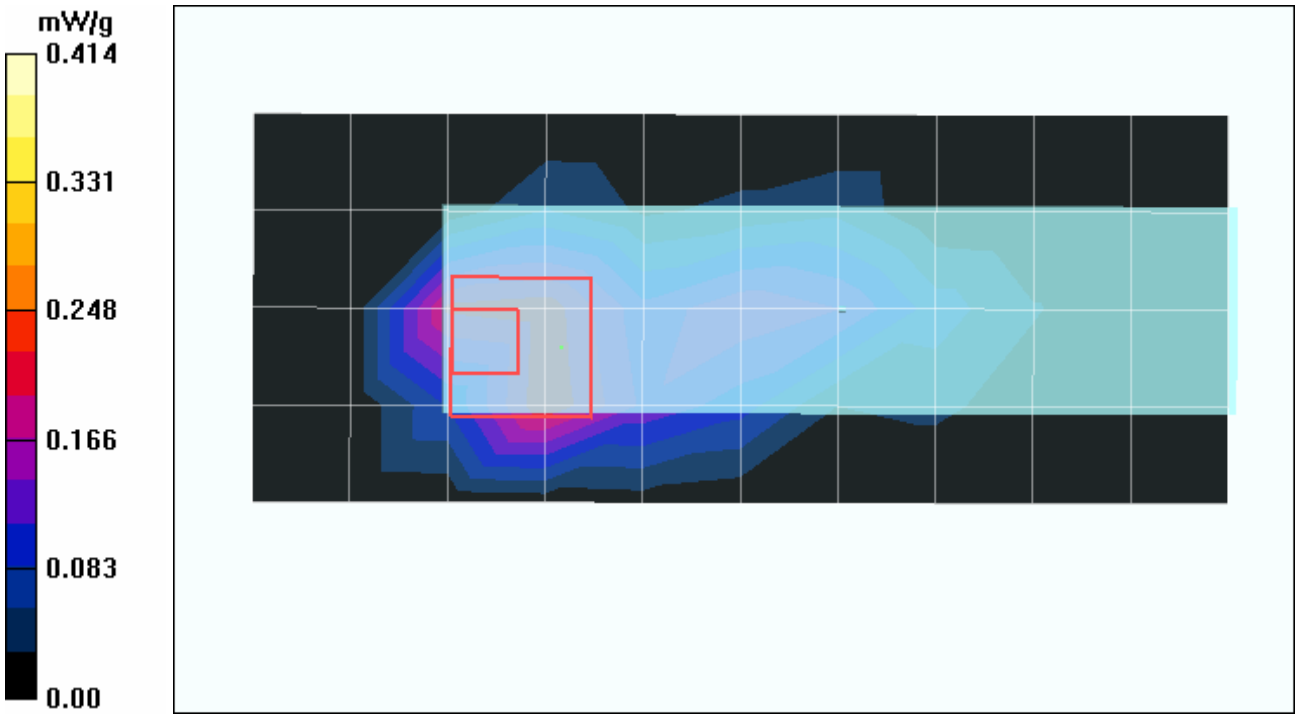
Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5800 MHz
Communication System: 802.11a ; Frequency: 5800 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5800 MHz; σ = 6.25 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5800/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.219 mW/g

High Channel 5800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.95 V/m
Peak SAR (extrapolated) = 0.958 W/kg
SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.414 mW/g



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Test Laboratory: Advance Data Technology

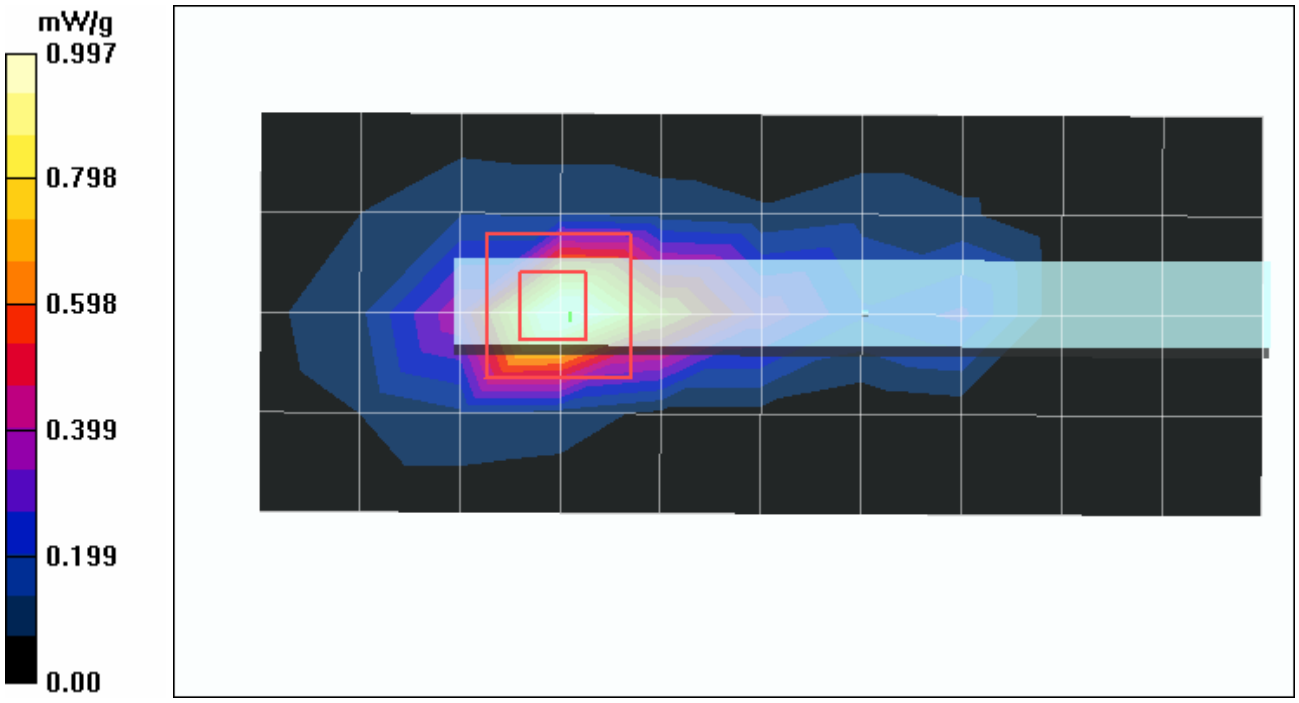
DCUA-82 Horizontal 11a-Normal N800C Mode 22

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; σ = 5.49 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The left side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.11 mW/g

Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.23 V/m
Peak SAR (extrapolated) = 5.99 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.317 mW/g
Maximum value of SAR (measured) = 0.997 mW/g



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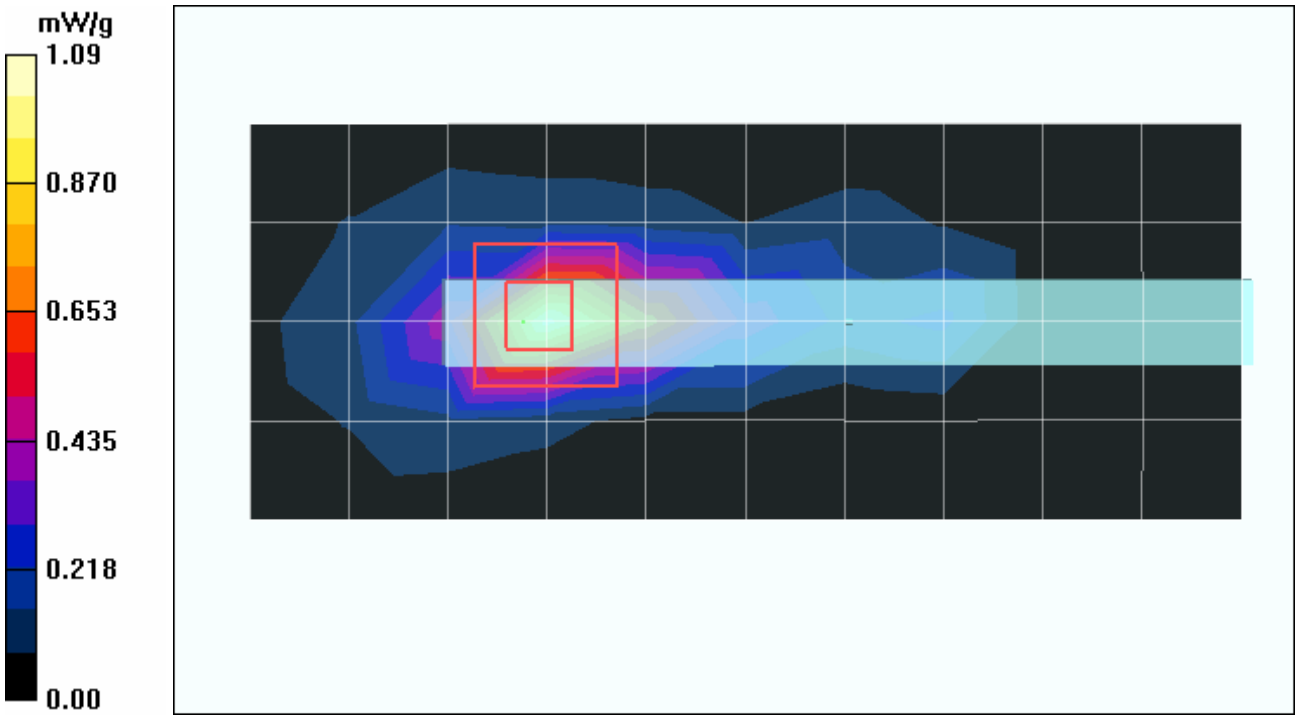
Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 23

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5250 MHz
Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5250 MHz; σ = 5.39 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The left side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.05 mW/g

Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.08 V/m
Peak SAR (extrapolated) = 6.21 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.341 mW/g
Maximum value of SAR (measured) = 1.09 mW/g



Date/Time: 2005/6/27 13:33:51

Test Laboratory: Advance Data Technology

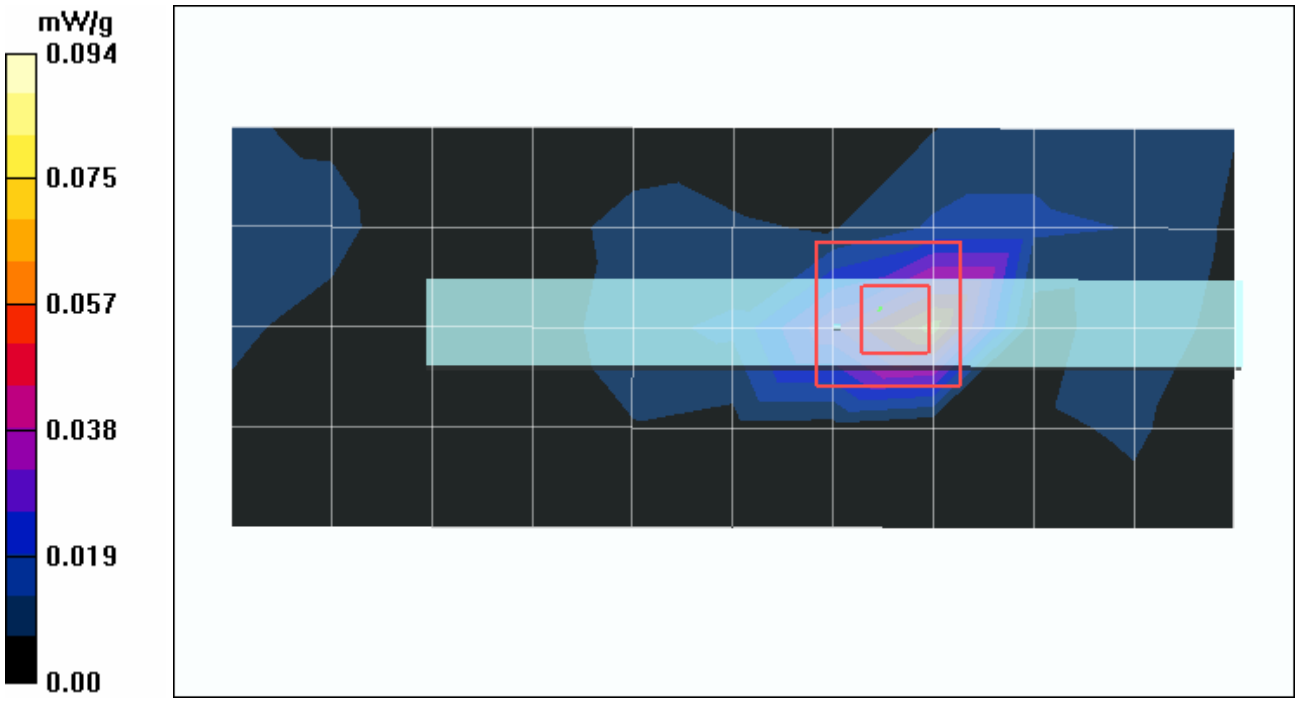
DCUA-82 Horizontal 11a-Normal N800C Mode 24

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; σ = 5.49 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320 R/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.060 mW/g

Mid Channel 5320 R/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.56 V/m
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.094 mW/g



Date/Time: 2005/6/27 15:45:50

Test Laboratory: Advance Data Technology

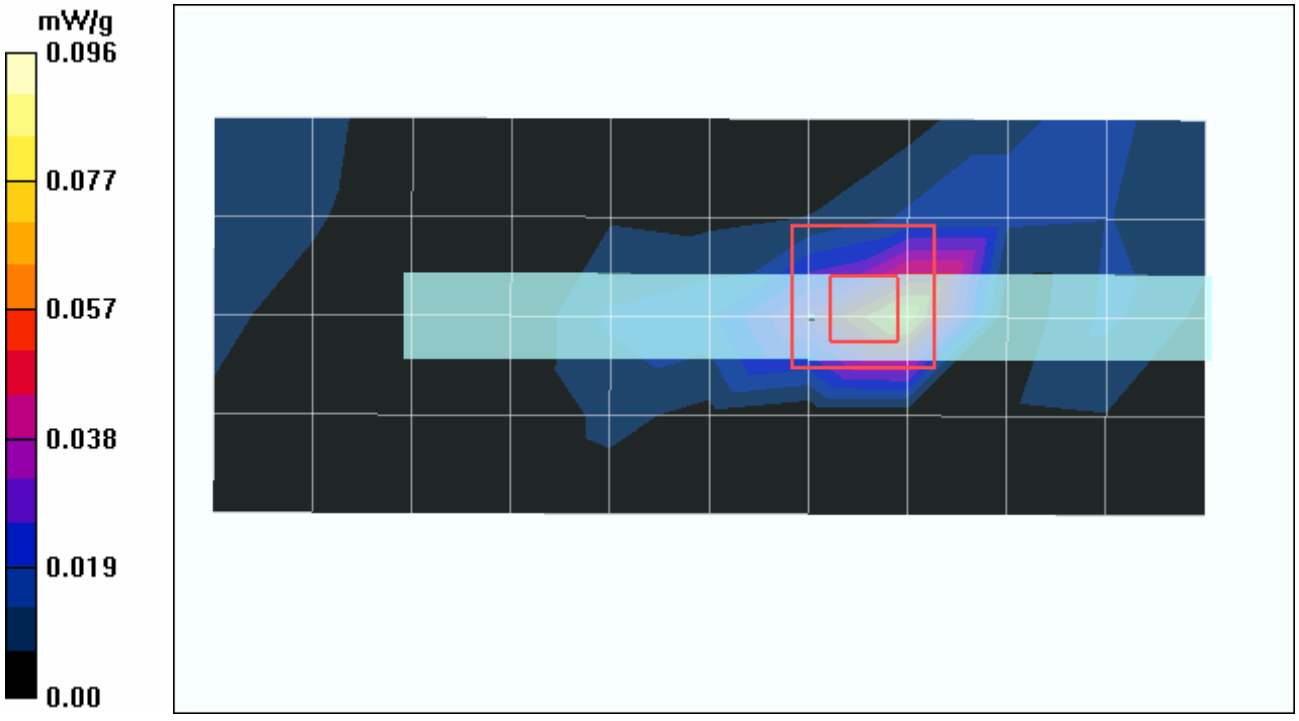
DCUA-82 Horizontal 11a-Turbo N800C Mode 25

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5250 MHz; σ = 5.39 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.070 mW/g

Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.68 V/m
Peak SAR (extrapolated) = 0.240 W/kg
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.096 mW/g



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Test Laboratory: Advance Data Technology

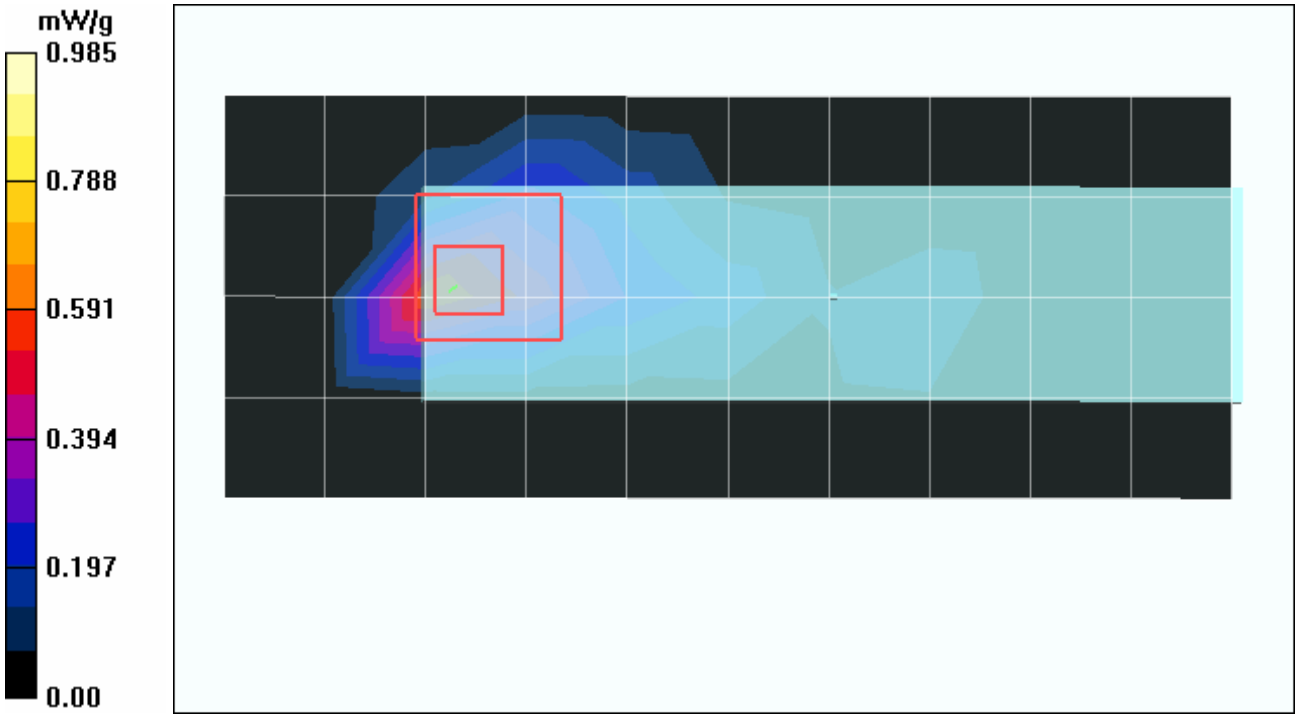
DCUA-82 Vertical 11a-Normal C600 Mode 26

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; σ = 5.49 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The front side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.598 mW/g

Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.68 V/m
Peak SAR (extrapolated) = 4.98 W/kg
SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.295 mW/g
Maximum value of SAR (measured) = 0.985 mW/g



Date/Time: 2005/6/27 16:25:22

Test Laboratory: Advance Data Technology

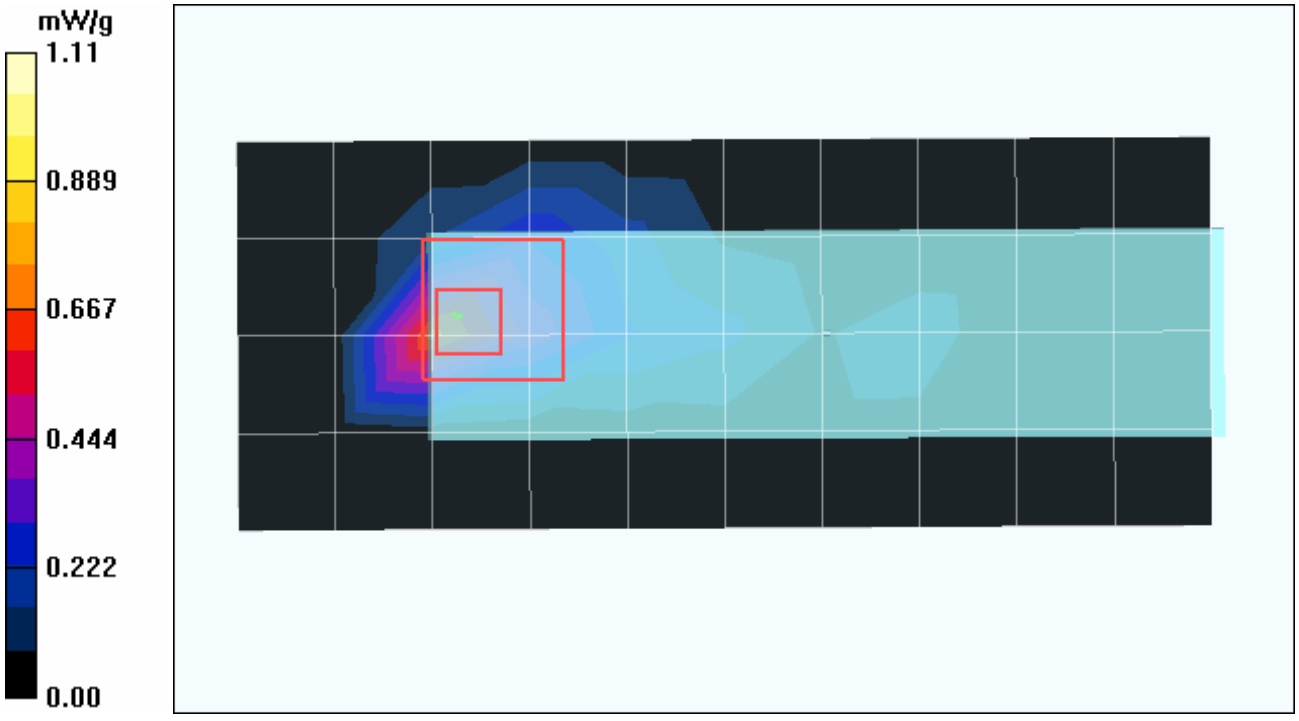
DCUA-82 Horizontal 11a-Turbo C600 Mode 27

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5250 MHz; σ = 5.39 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The front side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.697 mW/g

Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.25 V/m
Peak SAR (extrapolated) = 5.73 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.330 mW/g
Maximum value of SAR (measured) = 1.11 mW/g



Date/Time: 2005/6/23 08:42:41

Test Laboratory: Advance Data Technology

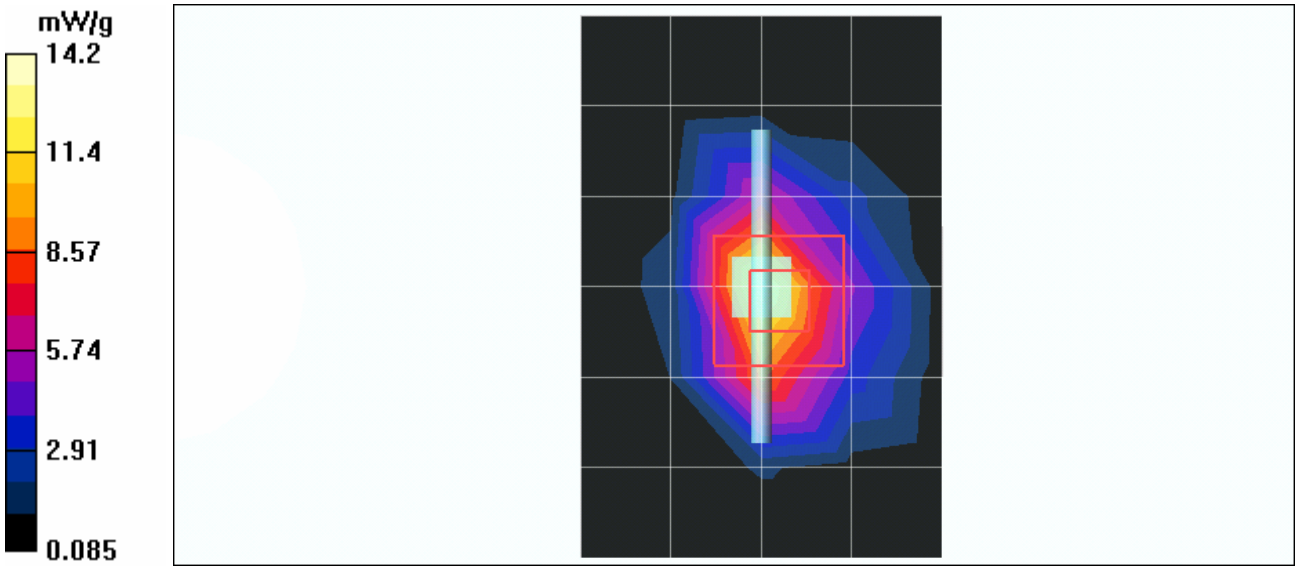
System Validation Check-MSL 2450MHz

DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 737 ; 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; σ = 2.01 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3 ; Liquid level : 152 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.0 degrees ; Liquid temp. : 21.5 degrees
DASY4 Configuration:
- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.1 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.7 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 27.2 W/kg
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.83 mW/g
Maximum value of SAR (measured) = 14.2 mW/g



Date/Time: 2005/6/24 13:08:17

Test Laboratory: Advance Data Technology

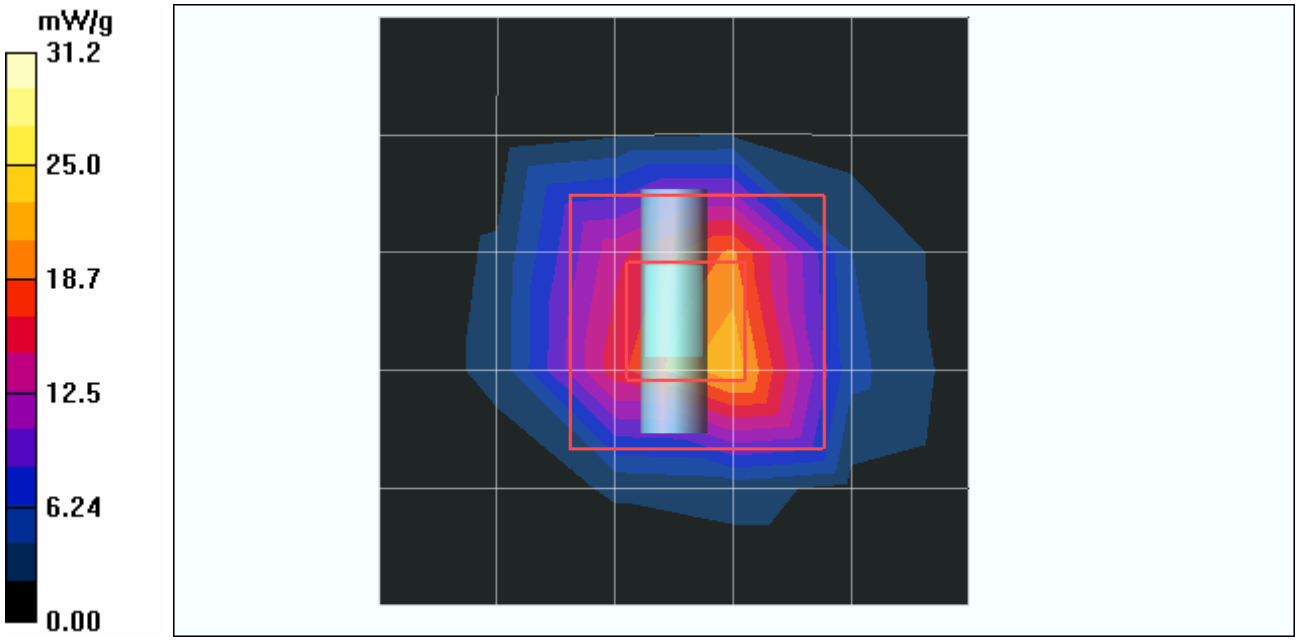
System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1019 ; 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; σ = 5.31 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ;
Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 22.7 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 = 83.2 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 67.2 W/kg
SAR(1 g) = 18 mW/g; SAR(10 g) = 5.06 mW/g
Maximum value of SAR (measured) = 31.2 mW/g



Date/Time: 2005/6/24 13:41:14

Test Laboratory: Advance Data Technology

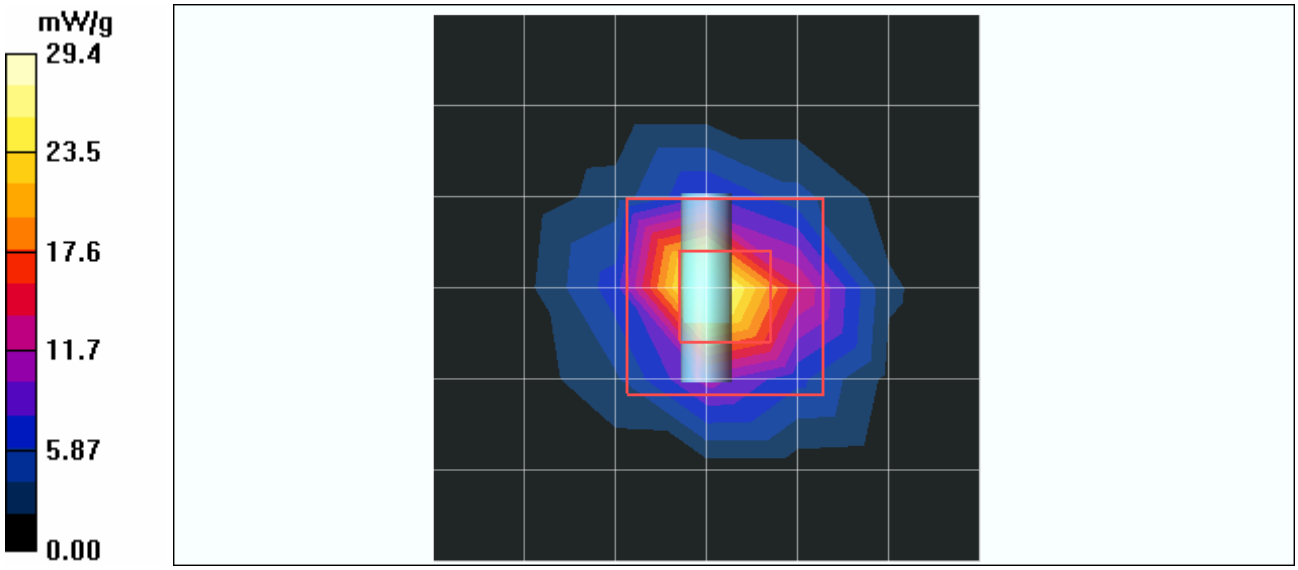
System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1019 ; 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; σ = 6.24 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

f=5800, d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 30.5 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 = 75.0 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 73.7 W/kg
SAR(1 g) = 17.2 mW/g; SAR(10 g) = 4.74 mW/g
Maximum value of SAR (measured) = 29.4 mW/g



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Test Laboratory: Advance Data Technology

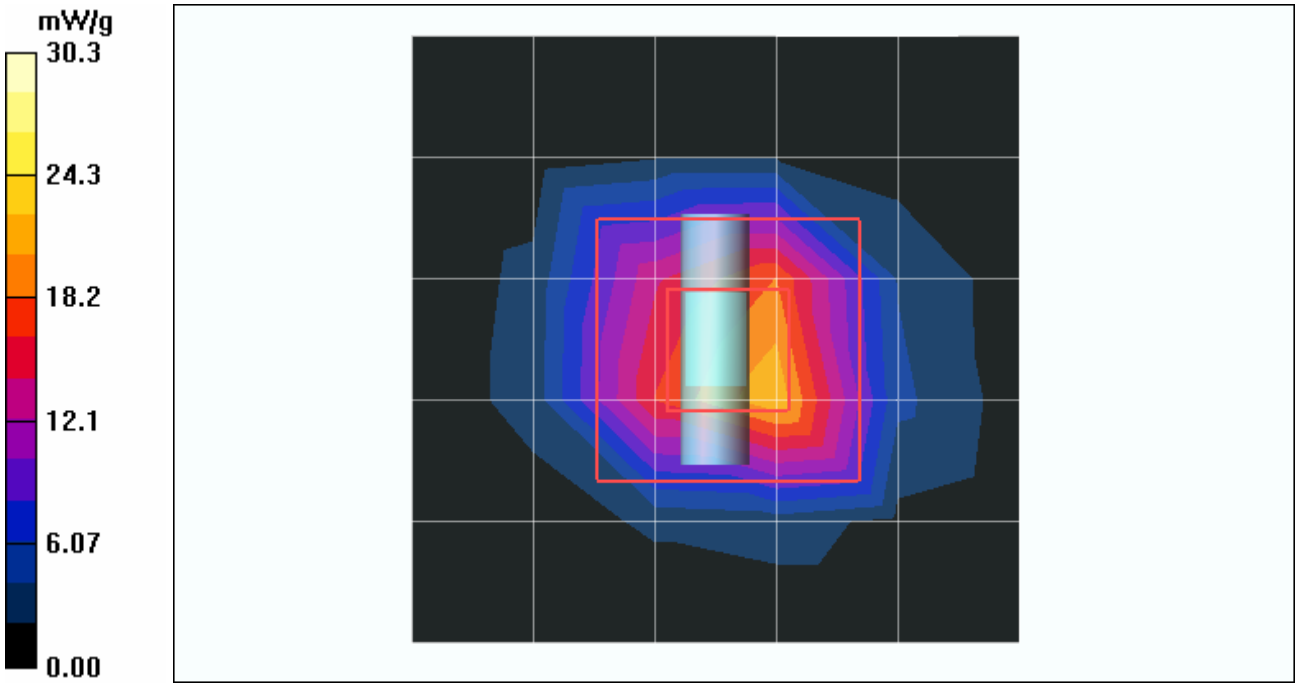
System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1019 ; 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; σ = 5.31 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ;
Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 22.0 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 = 84.5 V/m; Power Drift = -0.339 dB
Peak SAR (extrapolated) = 66.0 W/kg
SAR(1 g) = 17.6 mW/g; SAR(10 g) = 4.9 mW/g
Maximum value of SAR (measured) = 30.3 mW/g



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Test Laboratory: Advance Data Technology

System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1019 ; 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; σ = 6.25 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ; Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

f=5800, d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 30.3 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 = 75.0 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 69.7 W/kg
SAR(1 g) = 16.6 mW/g; SAR(10 g) = 4.62 mW/g
Maximum value of SAR (measured) = 28.0 mW/g