Date/Time: 12/10/04 13:23:48

Test Laboratory: Compliance Certification Services Inc.

D2450V2 SN 728

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:728

Communication System: CW2450; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section

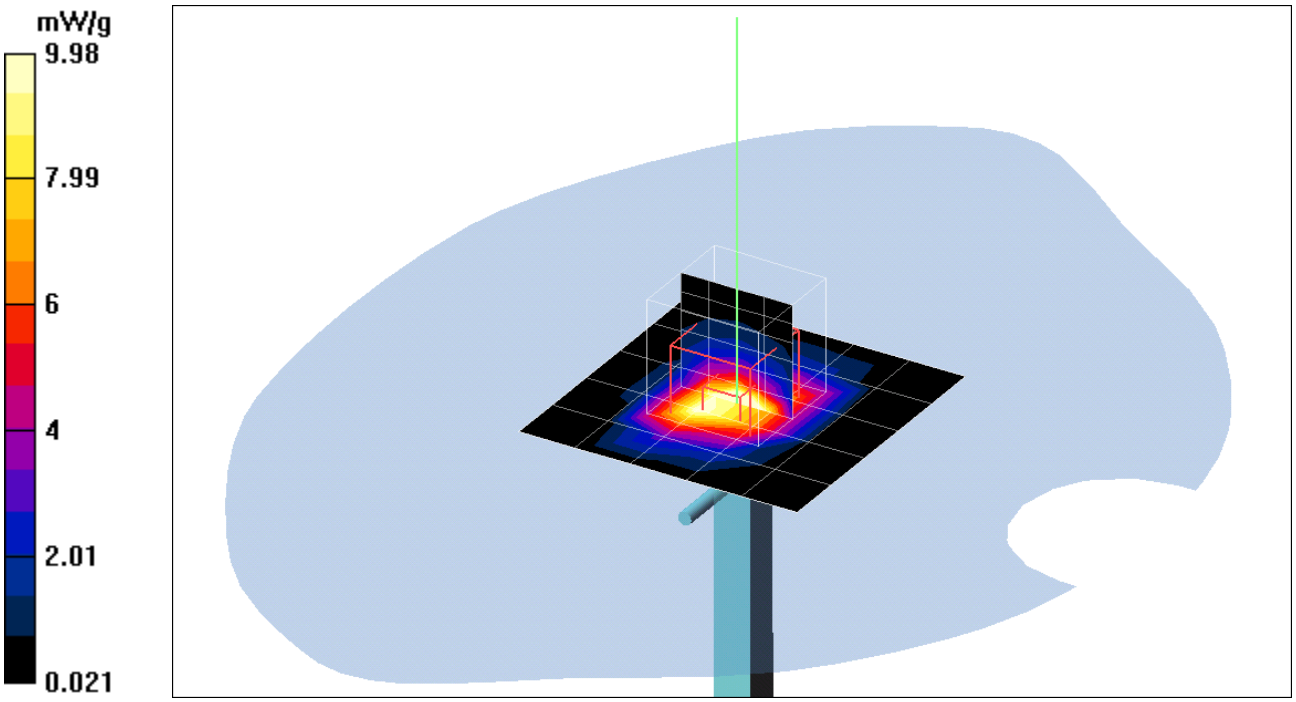
DASY4 Configuration:

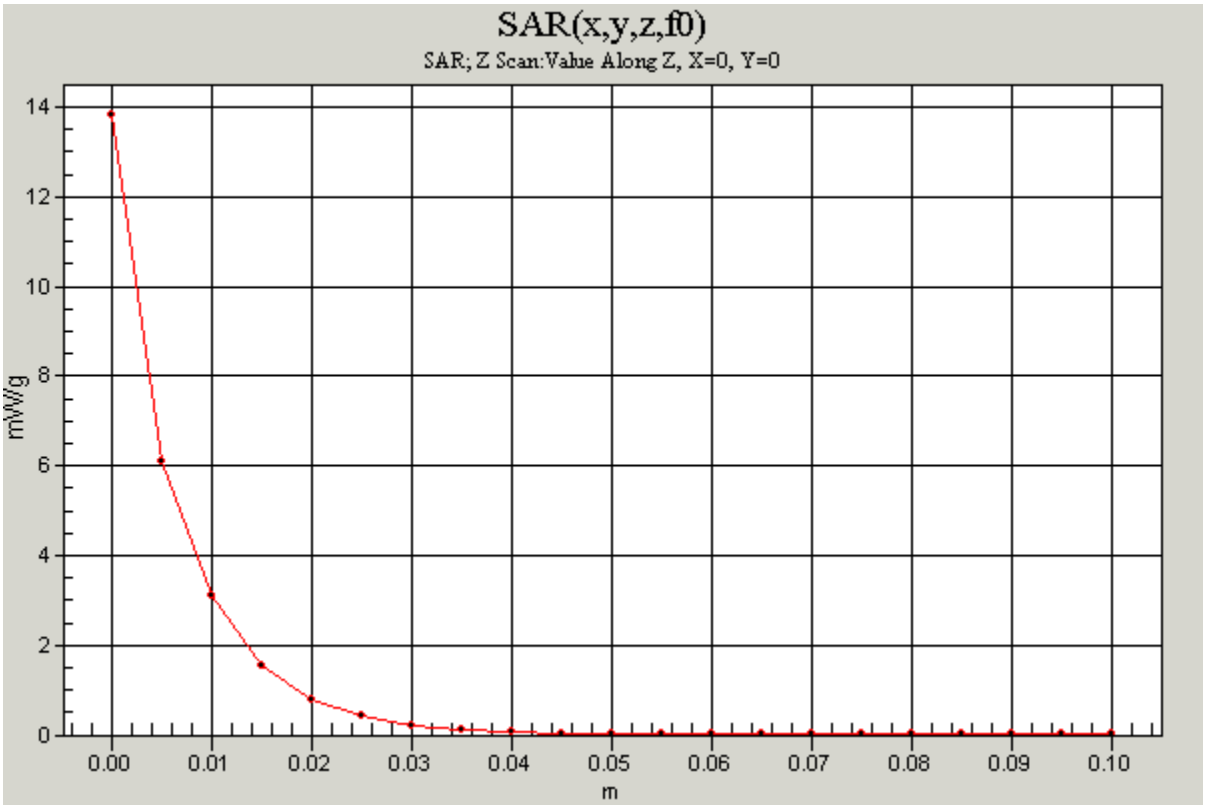
- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

Pin=250mW,d=10mm/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.98 mW/g

Pin=250mW,d=10mm/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.8 mW/g

Pin=250mW,d=10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 88.9 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 12.9 mW/g; SAR(10 g) = 5.73 mW/g
Maximum value of SAR (measured) = 14.3 mW/g


mW/g
9.98
7.99
6
4
2.01
0.021


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
14
12
10
8
6
4
2
0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

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Test Laboratory: Compliance Certification Services Inc.

D5GHz V2 SN 1004

DUT: Dipole 5GHz ; Type: D5GHz V2; Serial: 1004

Communication System: CW5GHz; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.5 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3
Air Temperature:25.1 deg C;Liquid Temperature:23.9 deg C
Phantom section: Flat Section

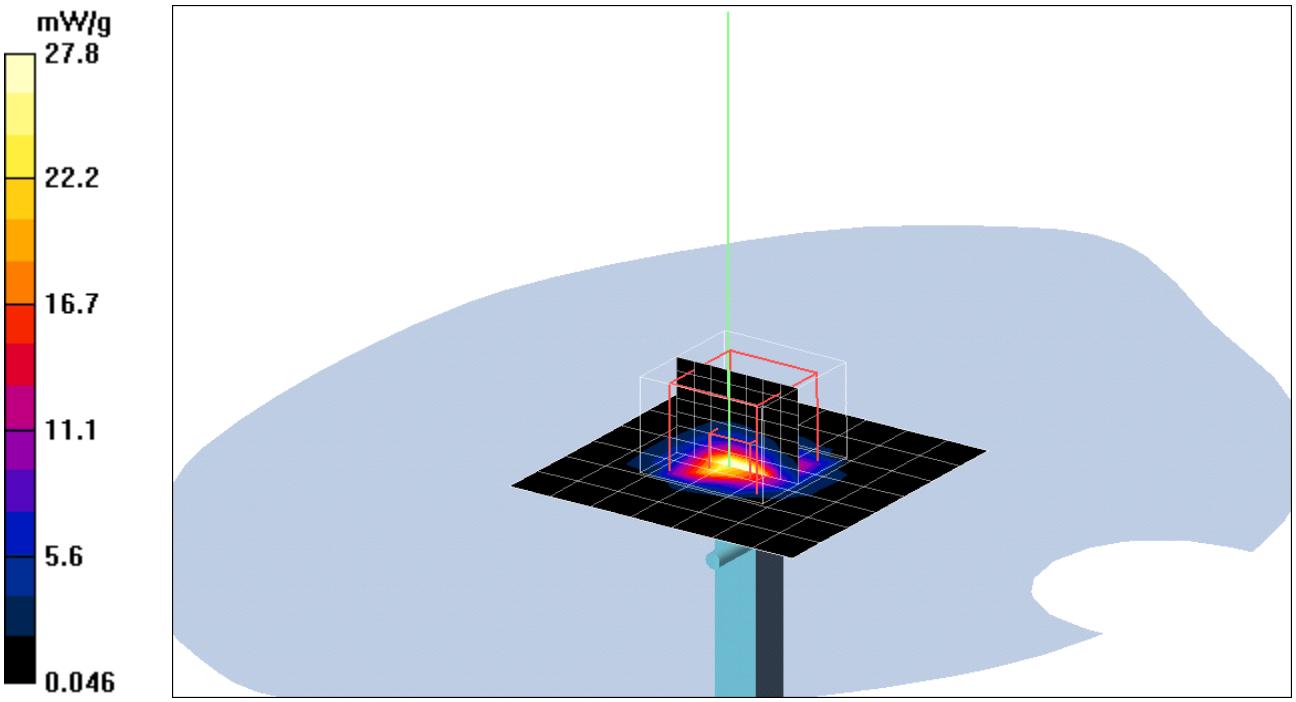
DASY4 Configuration:

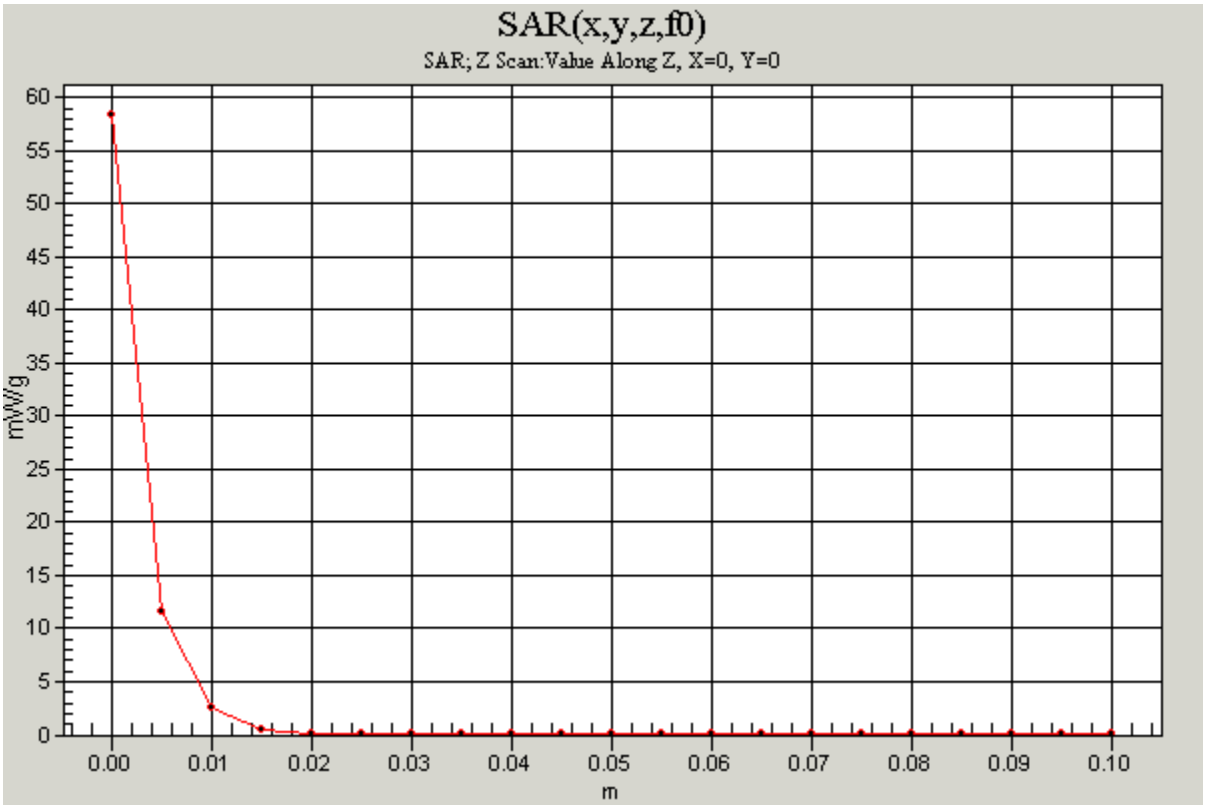
- Probe: EX3DV3 - SN3519; ConvF(4.21, 4.21, 4.21); Calibrated: 3/19/2004
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

Pin=250mW,d=10mm f=5200MHz/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 27.8 mW/g

Pin=250mW,d=10mm f=5200MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 58.4 mW/g

Pin=250mW,d=10mm f=5200MHz/Zoom Scan (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 85 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 71.4 W/kg
SAR(1 g) = 20.5 mW/g; SAR(10 g) = 5.78 mW/g
Maximum value of SAR (measured) = 34.5 mW/g


mW/g
27.8
22.2
16.7
11.1
5.6
0.046


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
60
55
50
45
40
35
30
25
20
15
10
5
0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

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Test Laboratory: Compliance Certification Services Inc.

D5GHz V2 SN 1004

DUT: Dipole 5GHz ; Type: D5GHz V2; Serial: 1004

Communication System: CW5GHz; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 6.28 mho/m; ε_r = 45.8; ρ = 1000 kg/m^3
Air Temperature:25.1 deg C;Liquid Temperature:23.9 deg C
Phantom section: Flat Section

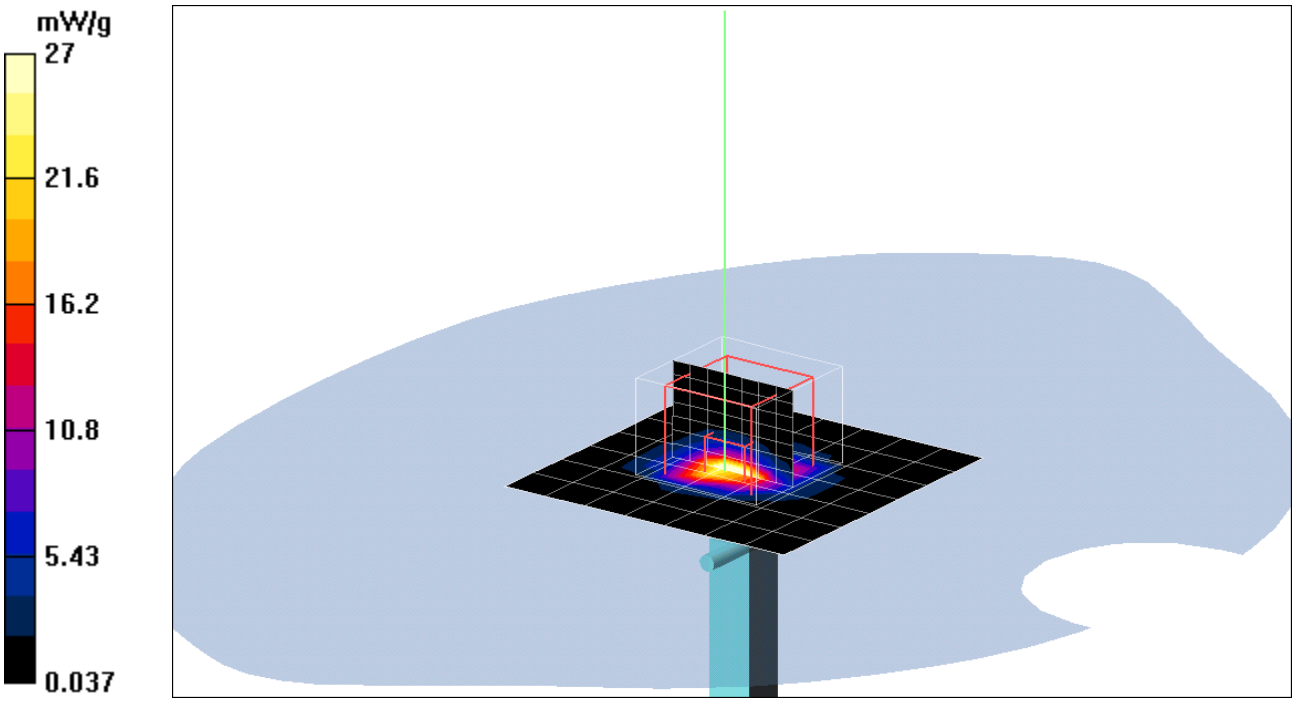
DASY4 Configuration:

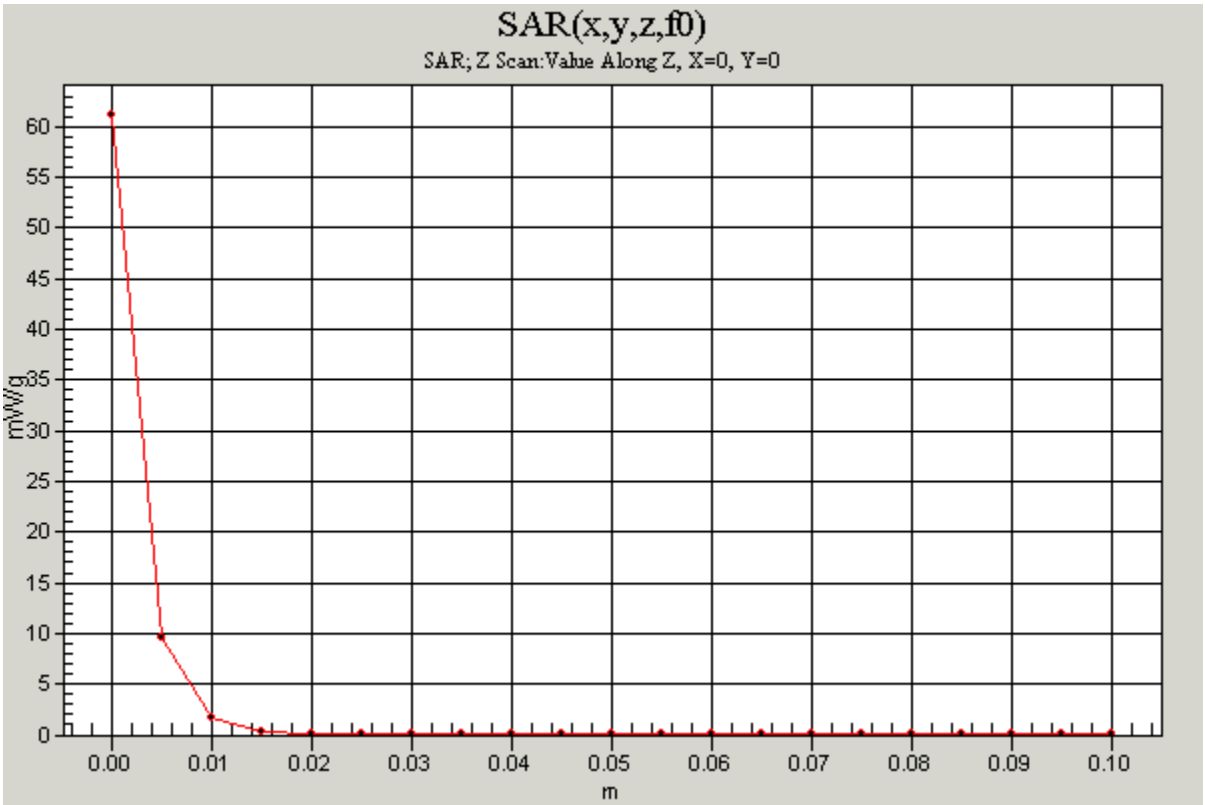
- Probe: EX3DV3 - SN3519; ConvF(3.82, 3.82, 3.82); Calibrated: 3/19/2004
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

Pin=250mW,d=10mm f=5800MHz/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 27 mW/g

Pin=250mW,d=10mm f=5800MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 61.2 mW/g

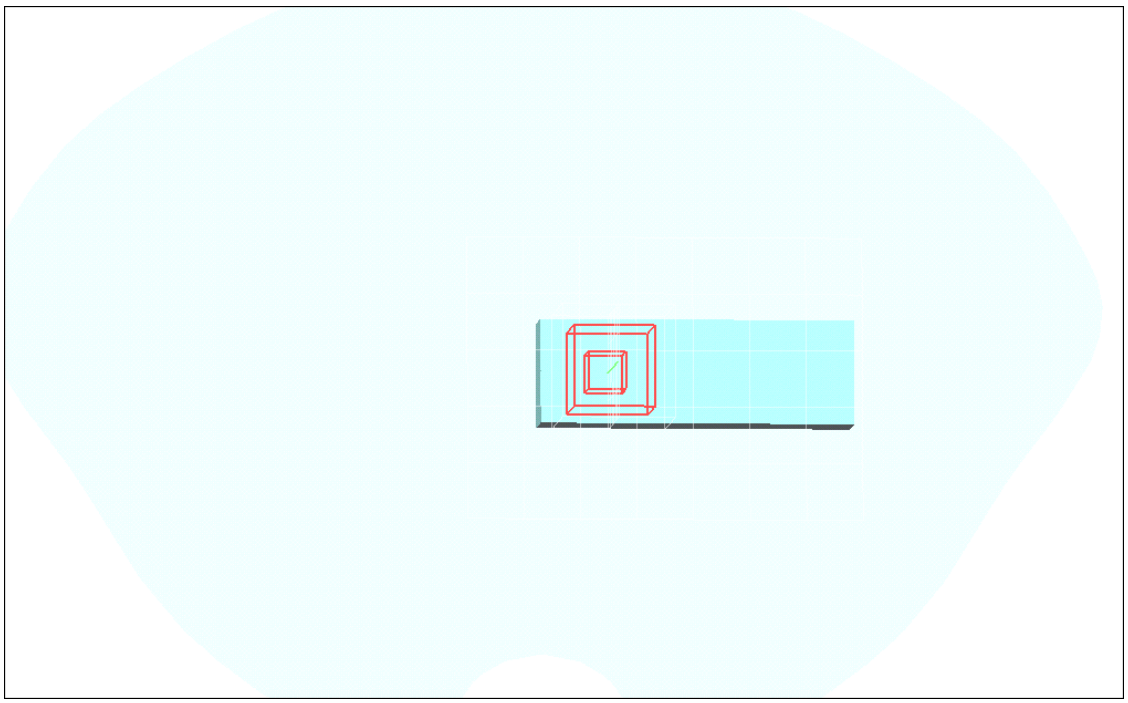
Pin=250mW,d=10mm f=5800MHz/Zoom Scan (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 79 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 81.3 W/kg
SAR(1 g) = 20.2 mW/g; SAR(10 g) = 5.62 mW/g
Maximum value of SAR (measured) = 33.6 mW/g


mW/g
27
21.6
16.2
10.8
5.43
0.037


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
60
55
50
45
40
35
30
25
20
15
10
5
0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Test Laboratory: Compliance Certification Services Inc.

Test Configuration-1



Date/Time: 12/10/04 13:05:31

Test Laboratory: Compliance Certification Services Inc.

802.11b Touch mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

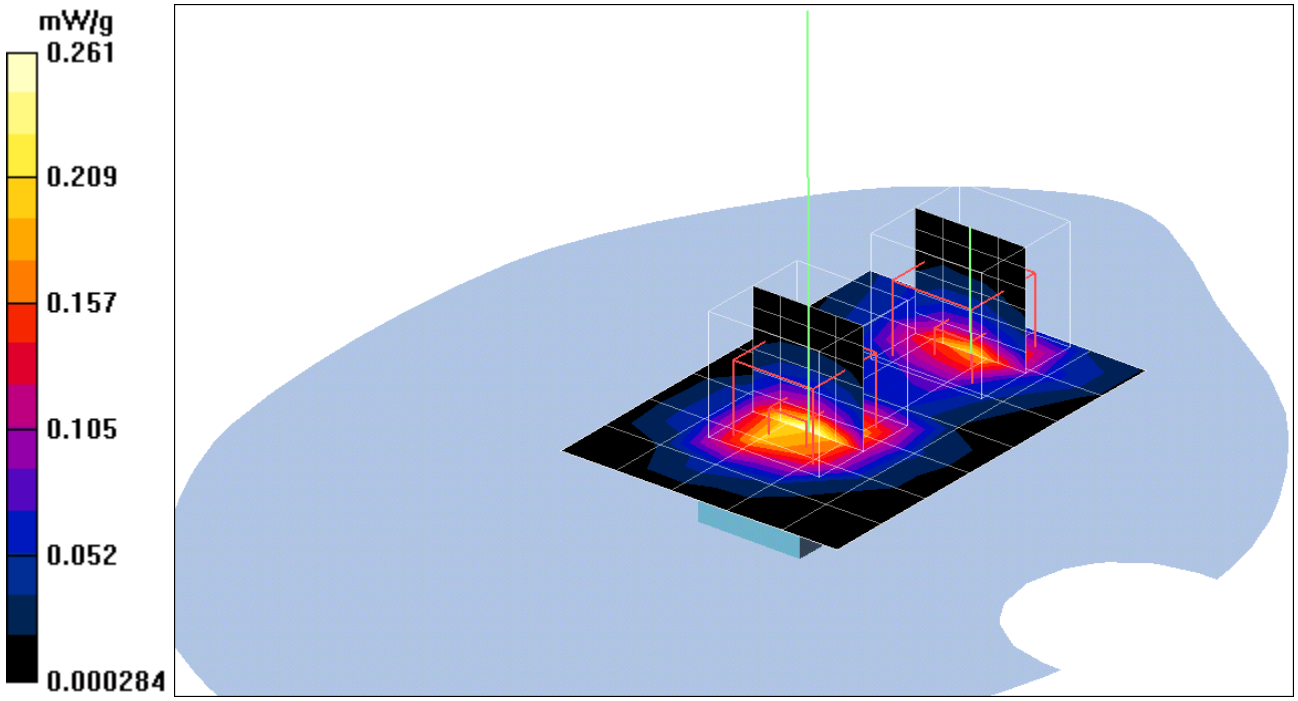
Middle CH Rate=1M bit/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.215 mW/g

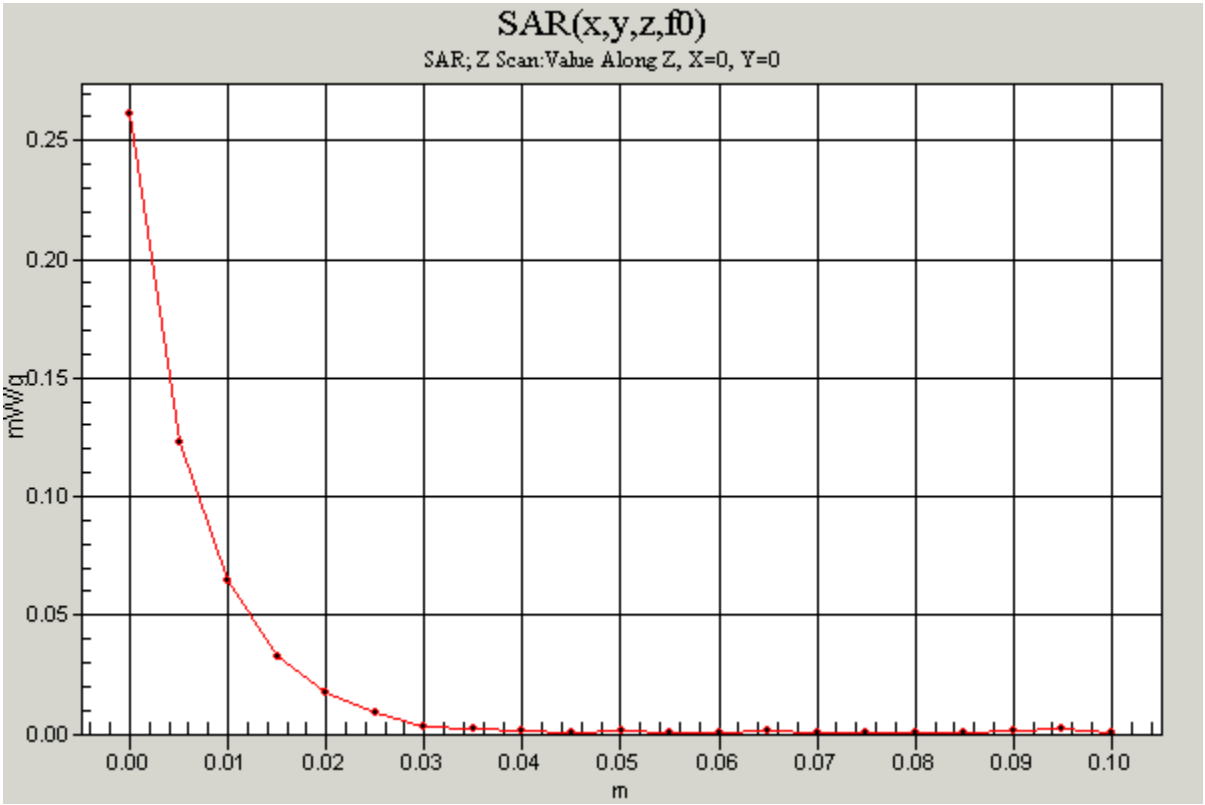
Middle CH Rate=1M bit/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.261 mW/g

Middle CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.43 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 0.561 W/kg
SAR(1 g) = 0.2510 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.270 mW/g

Middle CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.43 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.1850 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.210 mW/g





Date/Time: 12/10/04 13:05:31

Test Laboratory: Compliance Certification Services Inc.

802.11b Touch mode

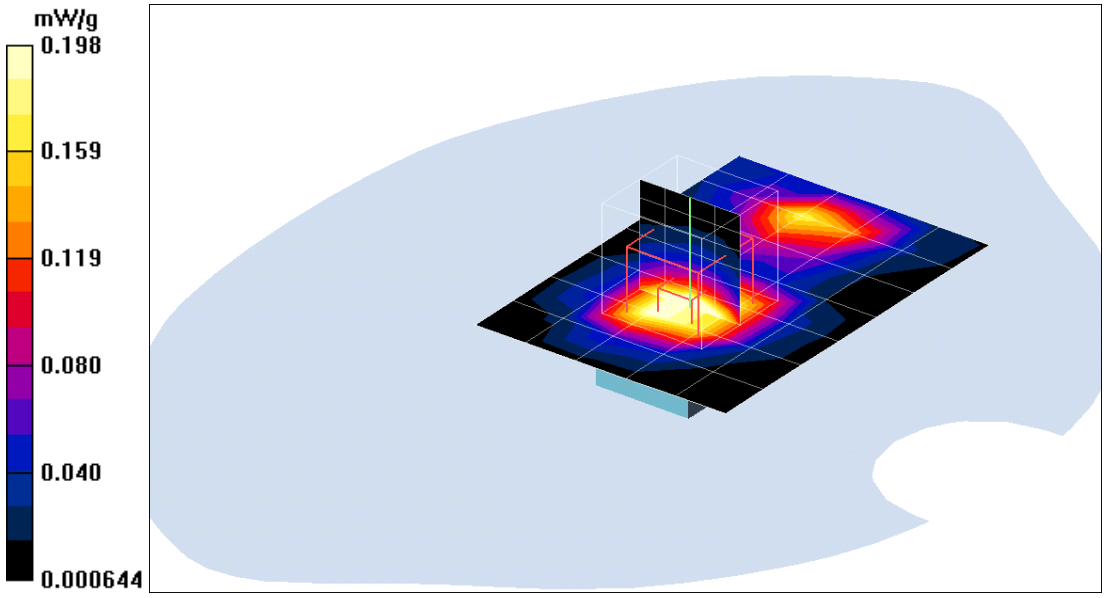
DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

Middle CH Rate=11M bit/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.198 mW/g

Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.01 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.545 W/kg
SAR(1 g) = 0.2440 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.267 mW/g



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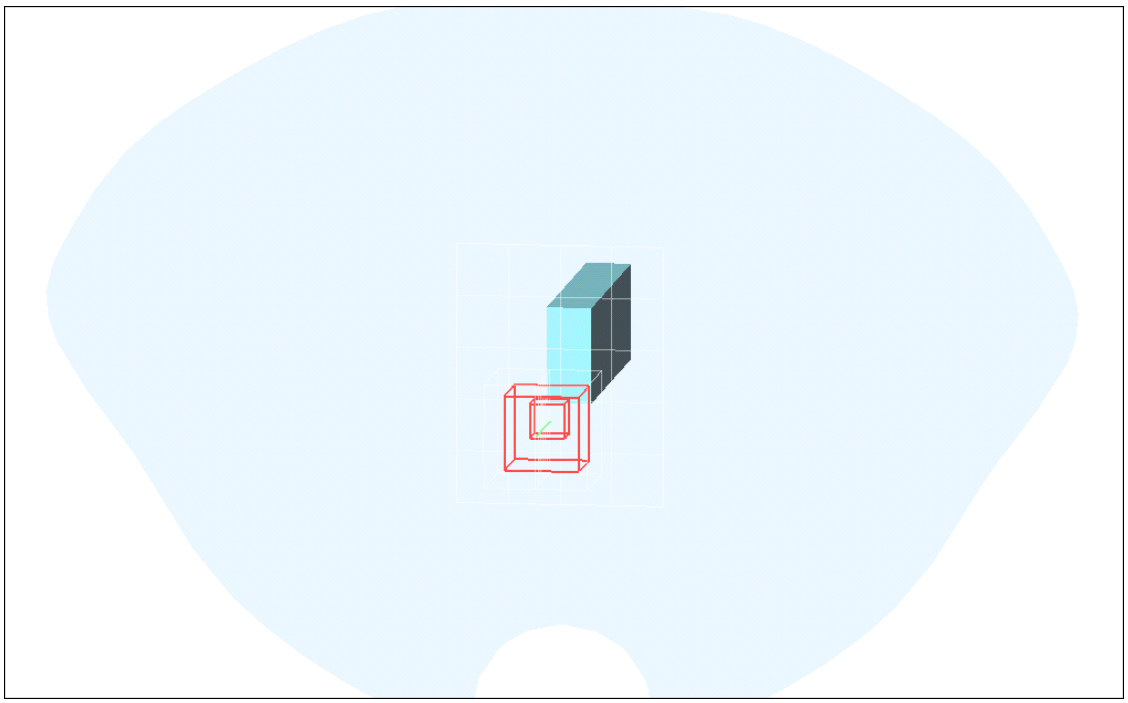
Test Laboratory: Compliance Certification Services Inc.

Test Configuration-2



Date/Time: 12/10/04 13:05:31

Test Laboratory: Compliance Certification Services Inc.

802.11b 15mm mode

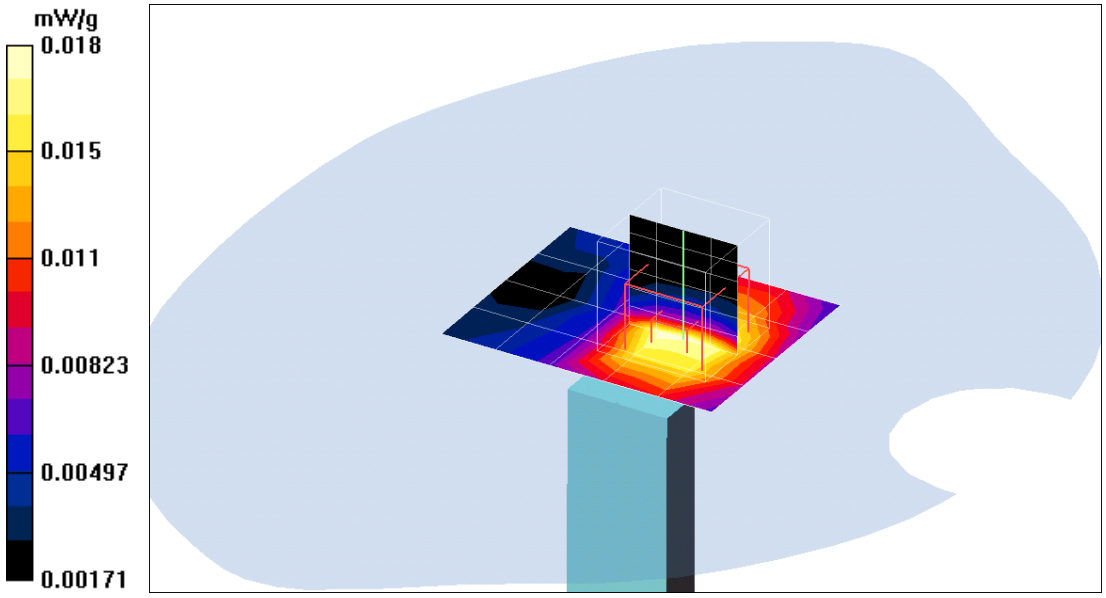
DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

Middle CH Rate=1M bit/Area Scan (6x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.018 mW/g

Middle CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.47 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 0.042 W/kg
SAR(1 g) = 0.0178 mW/g; SAR(10 g) = 0.00947 mW/g
Maximum value of SAR (measured) = 0.019 mW/g



Date/Time: 12/10/04 13:05:31

Test Laboratory: Compliance Certification Services Inc.

802.11b 15mm mode

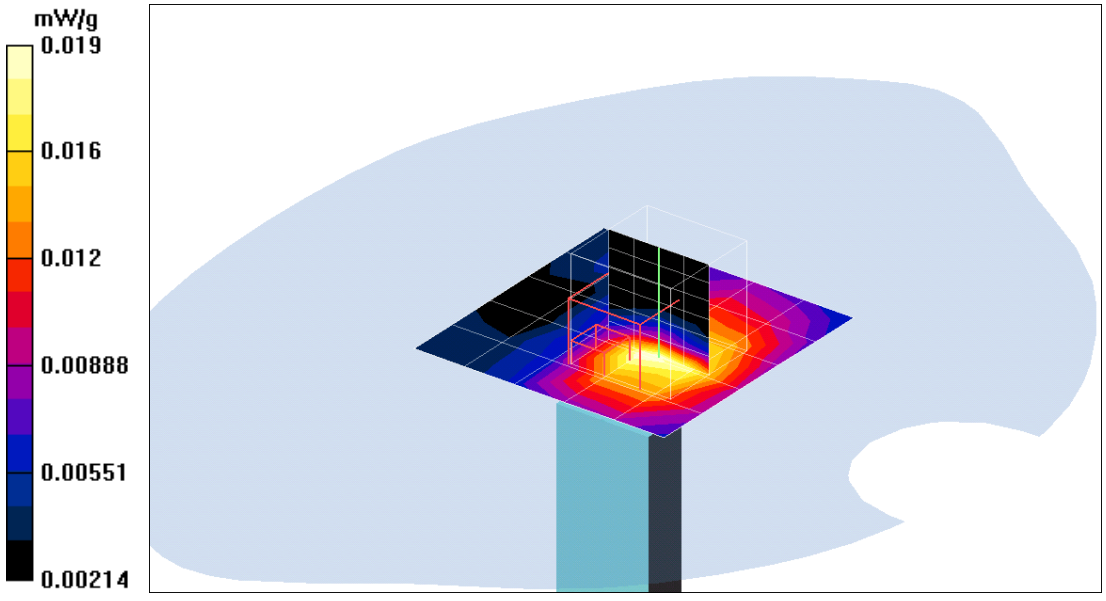
DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

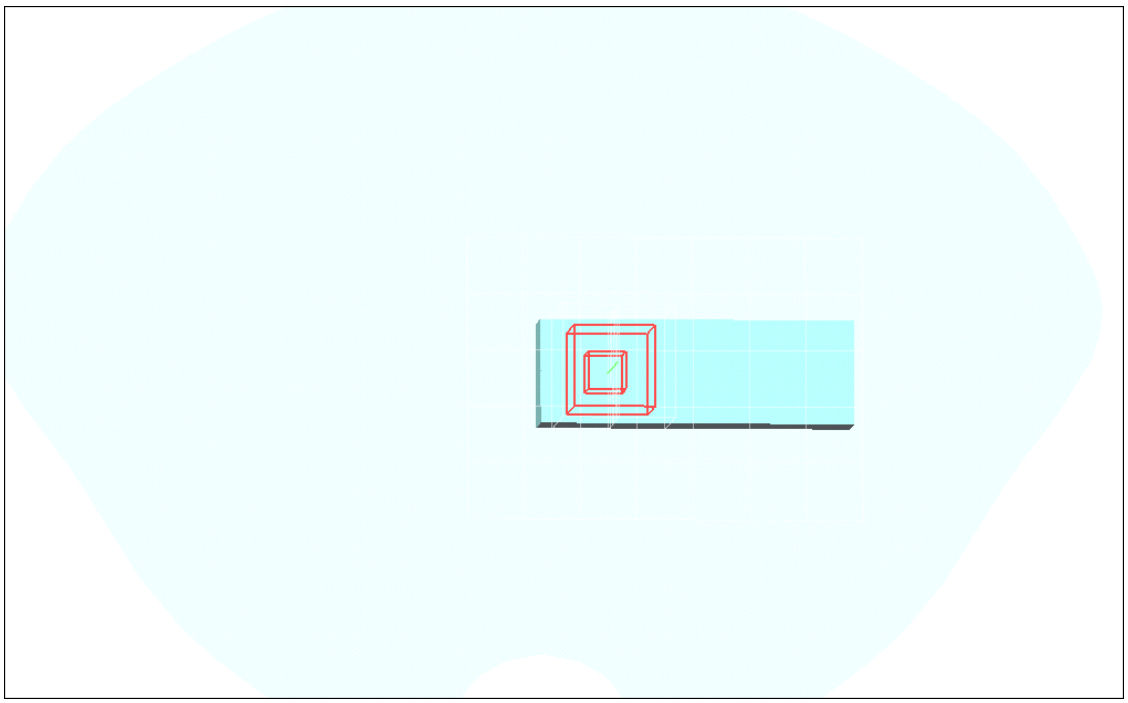
Middle CH Rate=11M bit/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.019 mW/g

Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.54 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 60.3 W/kg
SAR(1 g) = 0.0215 mW/g; SAR(10 g) = 0.0094 mW/g



Test Laboratory: Compliance Certification Services Inc.

Test Configuration-1



Date/Time: 12/10/04 16:20:08

Test Laboratory: Compliance Certification Services Inc.

802.11g Touch mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

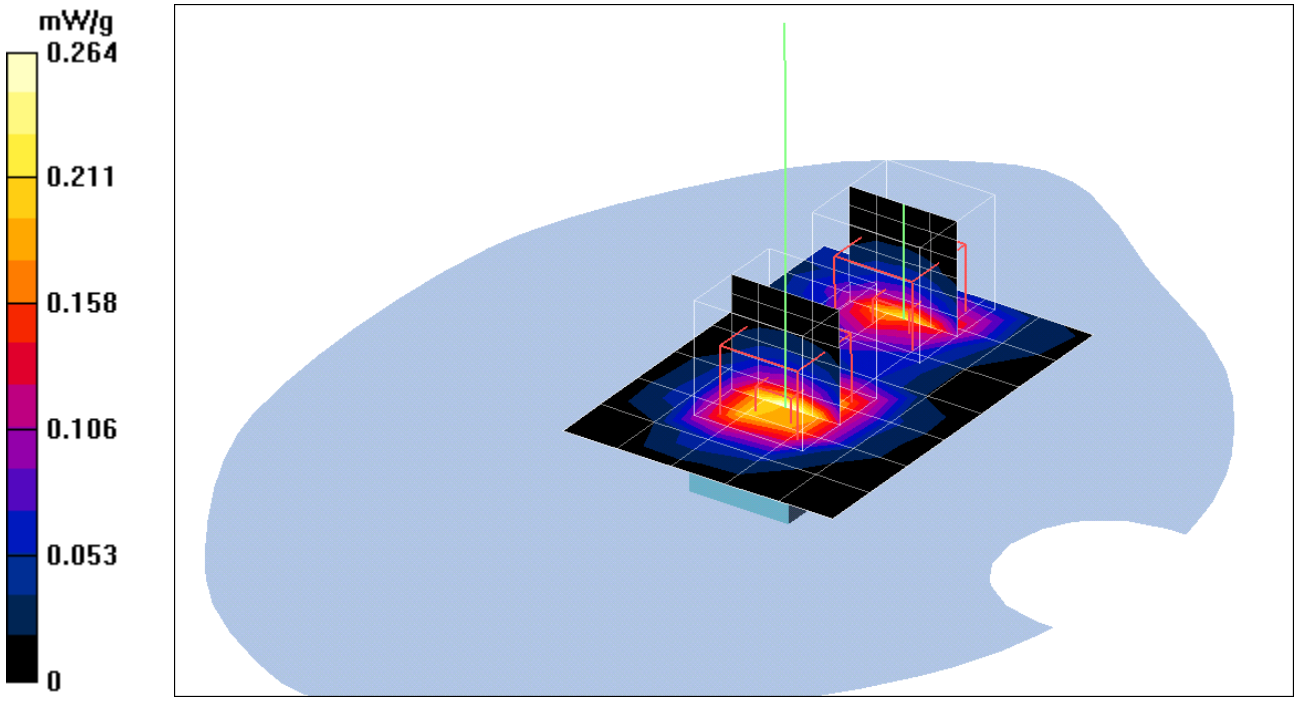
Middle CH Rate=6M bit/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.205 mW/g

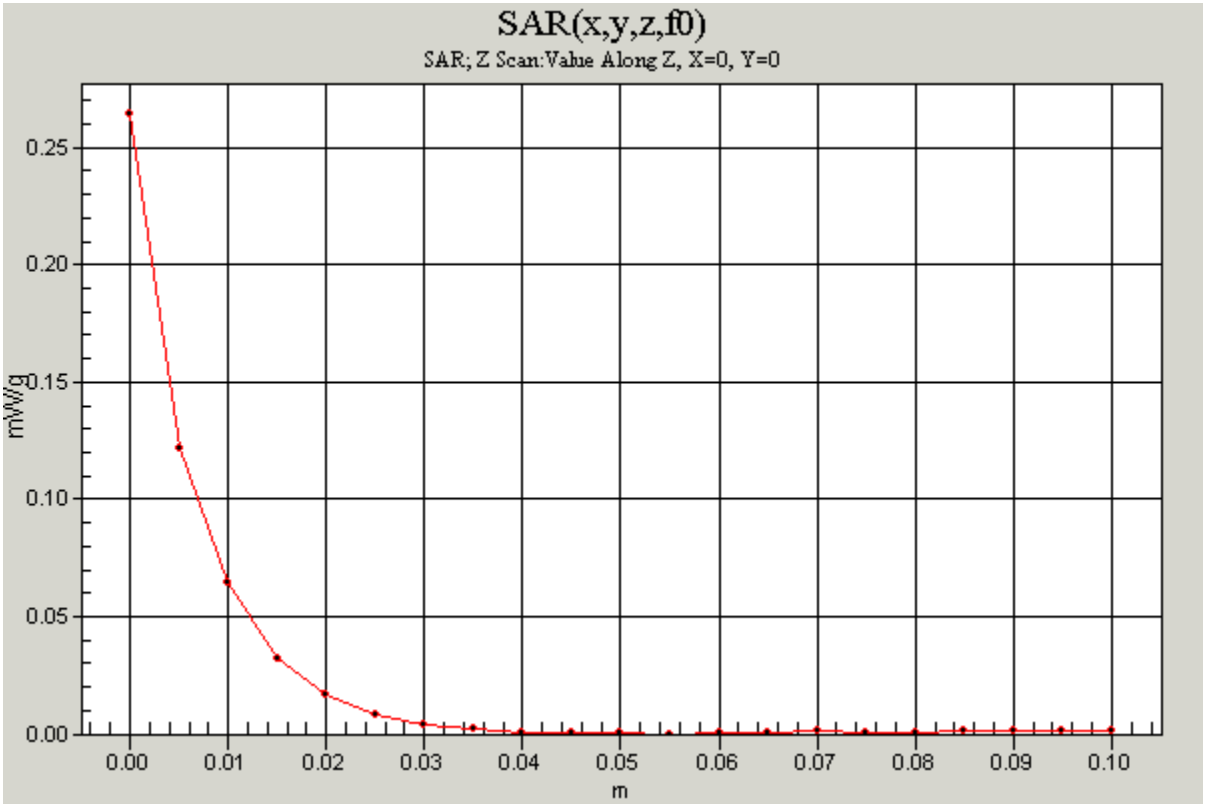
Middle CH Rate=6M bit/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.264 mW/g

Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.72 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.2510 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.273 mW/g

Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.72 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.2060 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.227 mW/g





Date/Time: 12/10/04 16:20:08

Test Laboratory: Compliance Certification Services Inc.

802.11g Touch mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

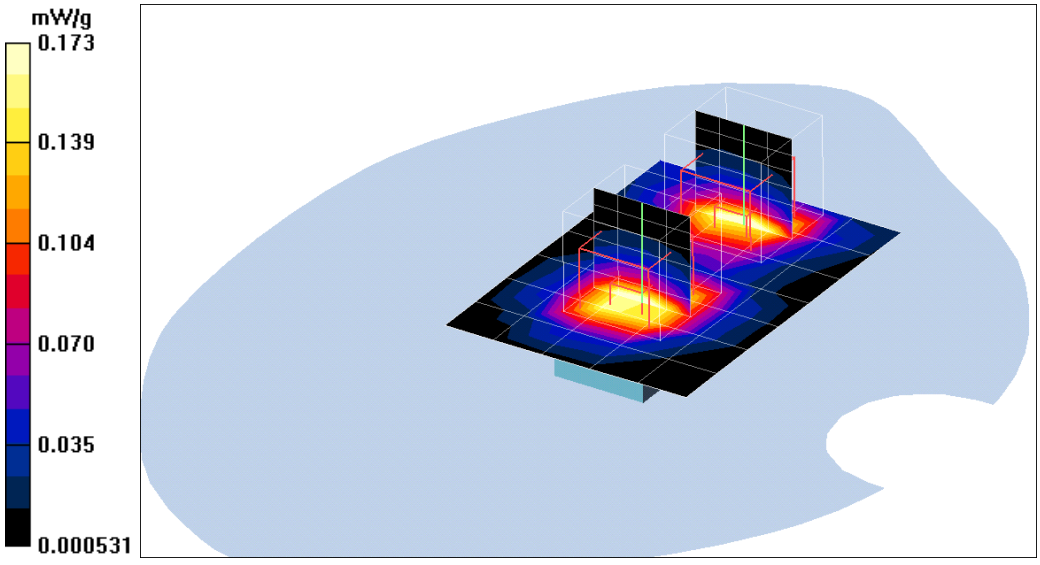
Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

Middle CH Rate=54M bit/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.173 mW/g

Middle CH Rate=54M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.01 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.1900 mW/g; SAR(10 g) = 0.093 mW/g
Maximum value of SAR (measured) = 0.194 mW/g

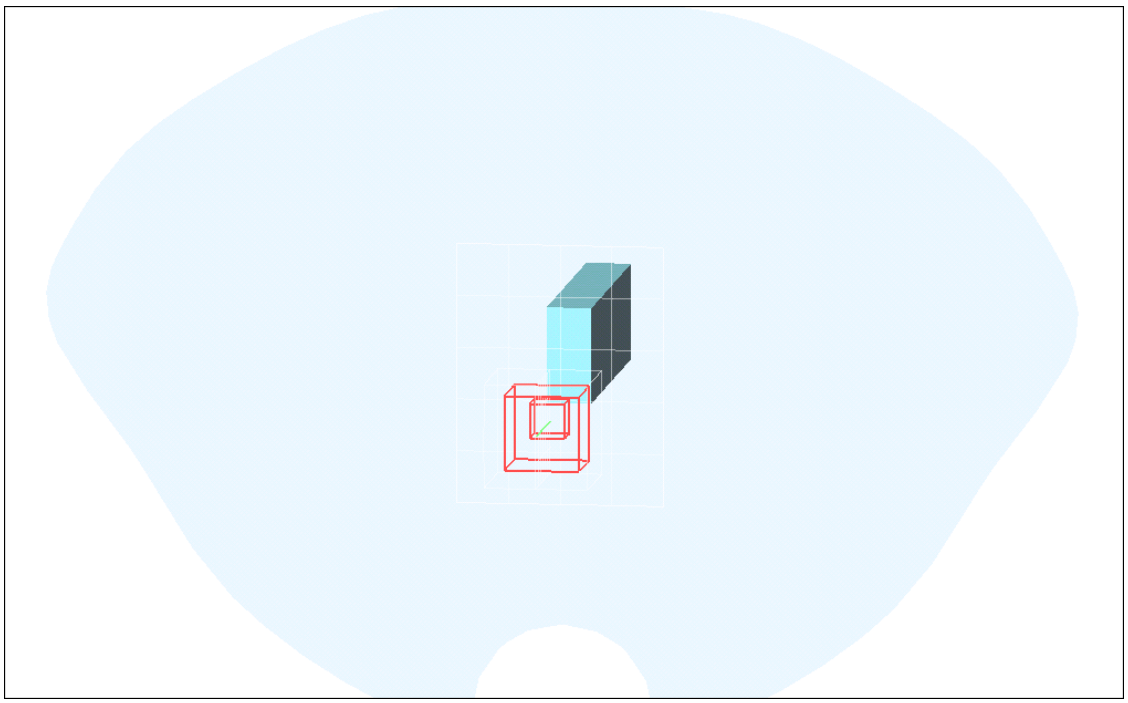
Middle CH Rate=54M bit/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.01 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.445 W/kg
SAR(1 g) = 0.1950 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.212 mW/g



Date/Time: 12/10/04 13:05:31

Test Laboratory: Compliance Certification Services Inc.

Test Configuration-2



Date/Time: 12/10/04 16:20:08

Test Laboratory: Compliance Certification Services Inc.

802.11g 15mm mode

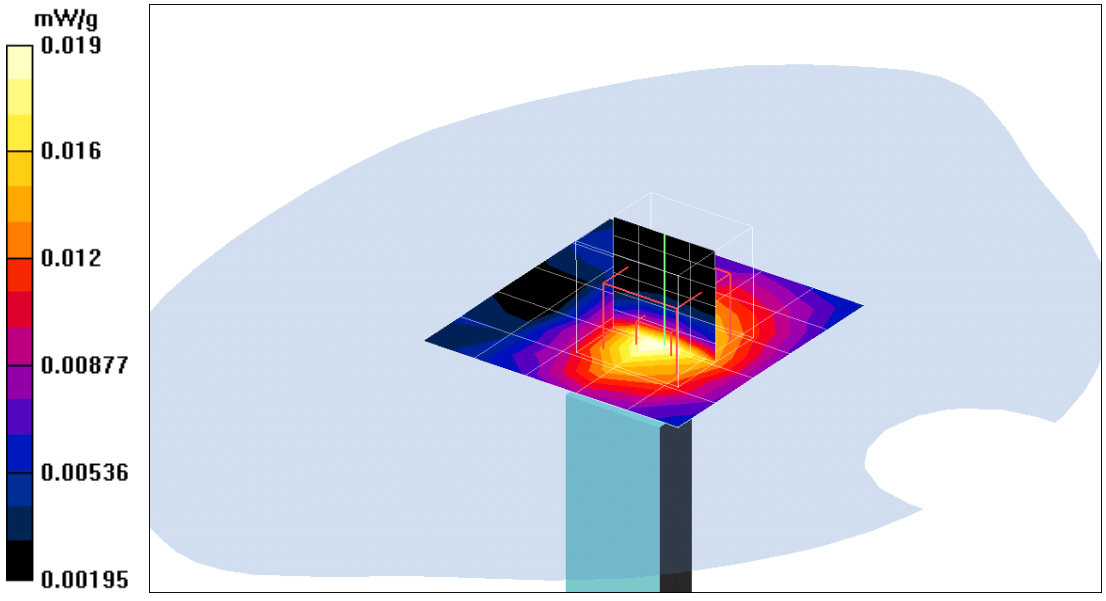
DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

Middle CH Rate=6M bit/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.019 mW/g

Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.9 V/m; Power Drift = -0.0002 dB
Peak SAR (extrapolated) = 0.040 W/kg
SAR(1 g) = 0.0180 mW/g; SAR(10 g) = 0.00965 mW/g



Date/Time: 12/10/04 16:20:08

Test Laboratory: Compliance Certification Services Inc.

802.11g 15mm mode

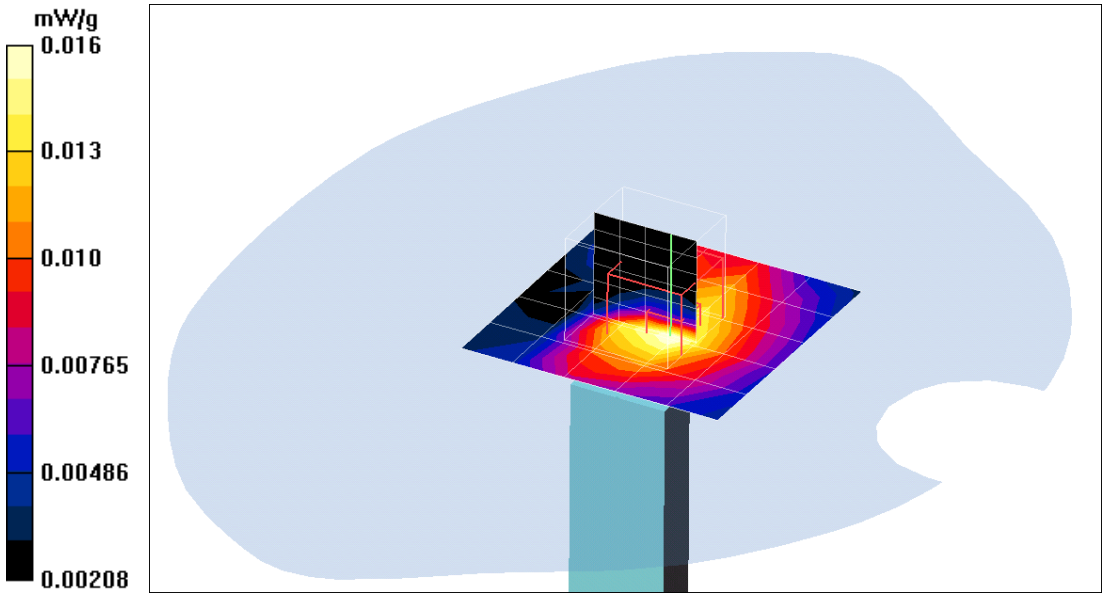
DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

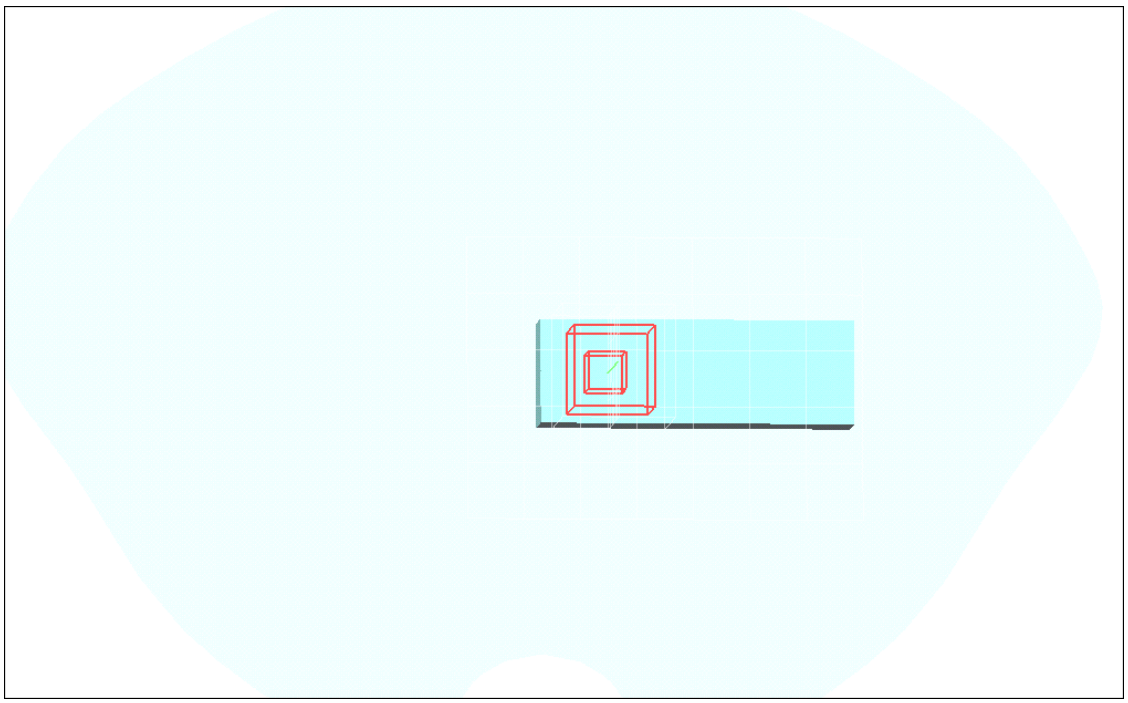
Middle CH Rate=54M bit/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.016 mW/g

Middle CH Rate=54M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.66 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.0151 mW/g; SAR(10 g) = 0.00786 mW/g



Test Laboratory: Compliance Certification Services Inc.

Test Configuration-1



Date/Time: 12/10/04 11:25:15

Test Laboratory: Compliance Certification Services Inc.

802.11g Touch TURBO mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

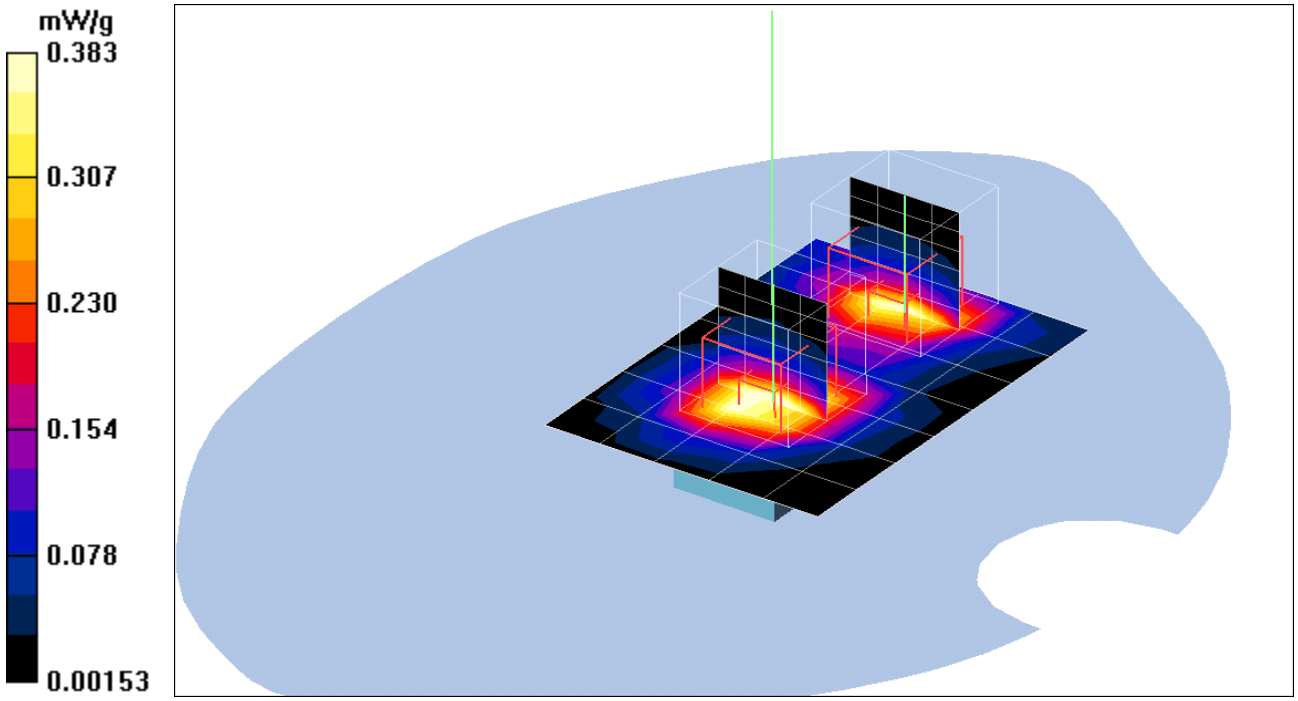
Middle CH Rate=12M bit/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.383 mW/g

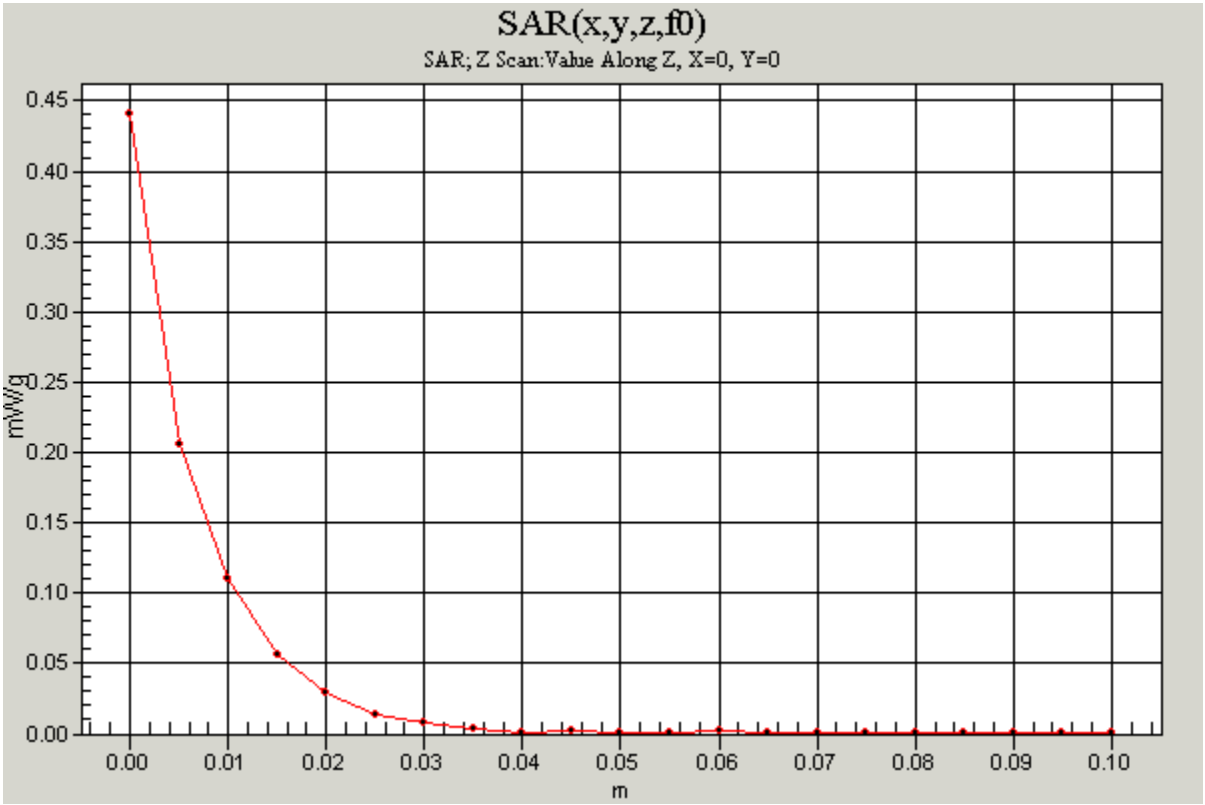
Middle CH Rate=12M bit/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.441 mW/g

Middle CH Rate=12M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.960 W/kg
SAR(1 g) = 0.4290 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.463 mW/g

Middle CH Rate=12M bit/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.868 W/kg

SAR(1 g) = 0.3820 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 0.421 mW/g





Date/Time: 12/10/04 11:25:15

Test Laboratory: Compliance Certification Services Inc.

802.11g Touch TURBO mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

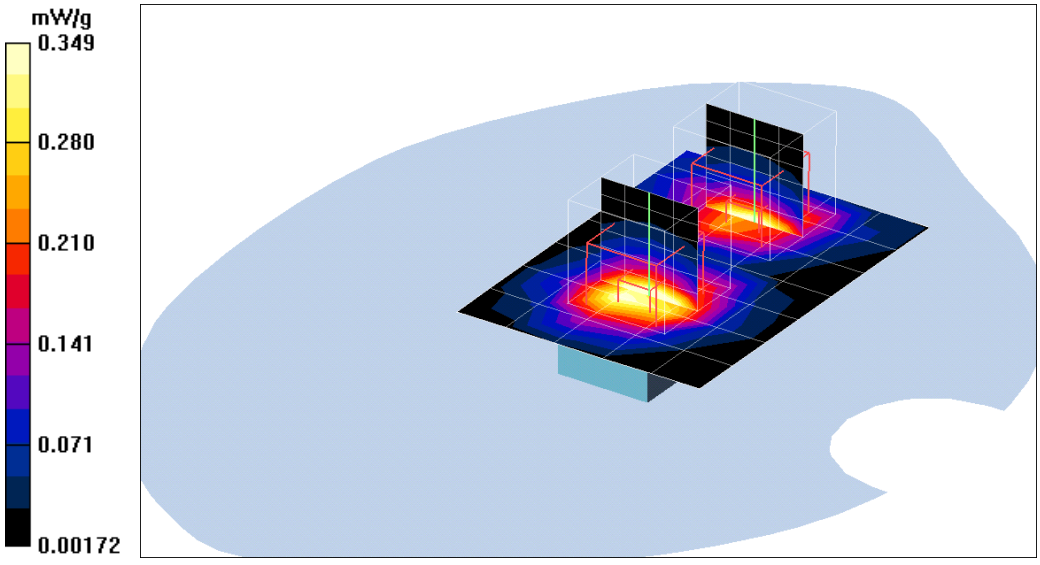
Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
Air Temperature:25.5 deg C;Liquid Temperature:24.5 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: ET3DV6 - SN1763; ConvF(4.41, 4.41, 4.41); Calibrated: 3/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

Middle CH Rate=108M bit/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.349 mW/g

Middle CH Rate=108M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.49 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.892 W/kg
SAR(1 g) = 0.4030 mW/g; SAR(10 g) = 0.198 mW/g
Maximum value of SAR (measured) = 0.429 mW/g

Middle CH Rate=108M bit/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.49 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.810 W/kg
SAR(1 g) = 0.3560 mW/g; SAR(10 g) = 0.168 mW/g
Maximum value of SAR (measured) = 0.387 mW/g



Date/Time: 12/20/04 17:42:26

Test Laboratory: Compliance Certification Services Inc.

802.11a Touch mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

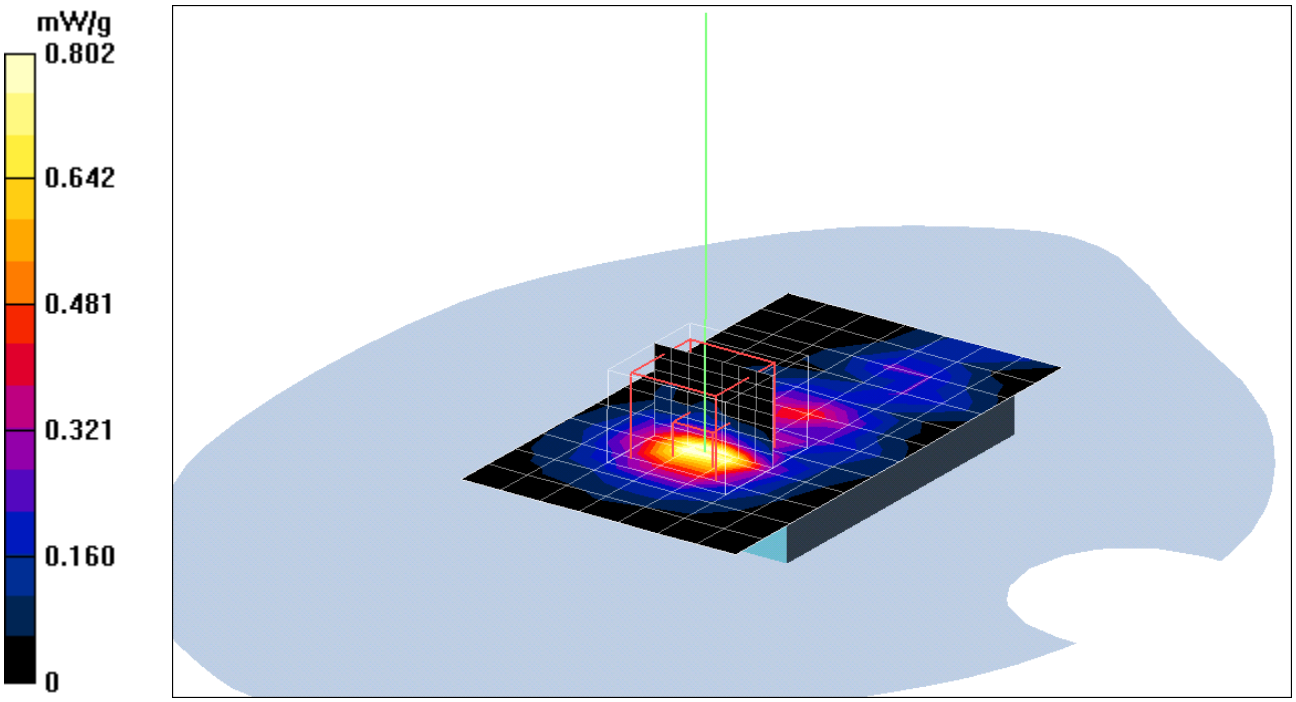
Communication System: IEEE 802.11 A; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.5 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3
Air Temperature:25.1 deg C;Liquid Temperature:23.9 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

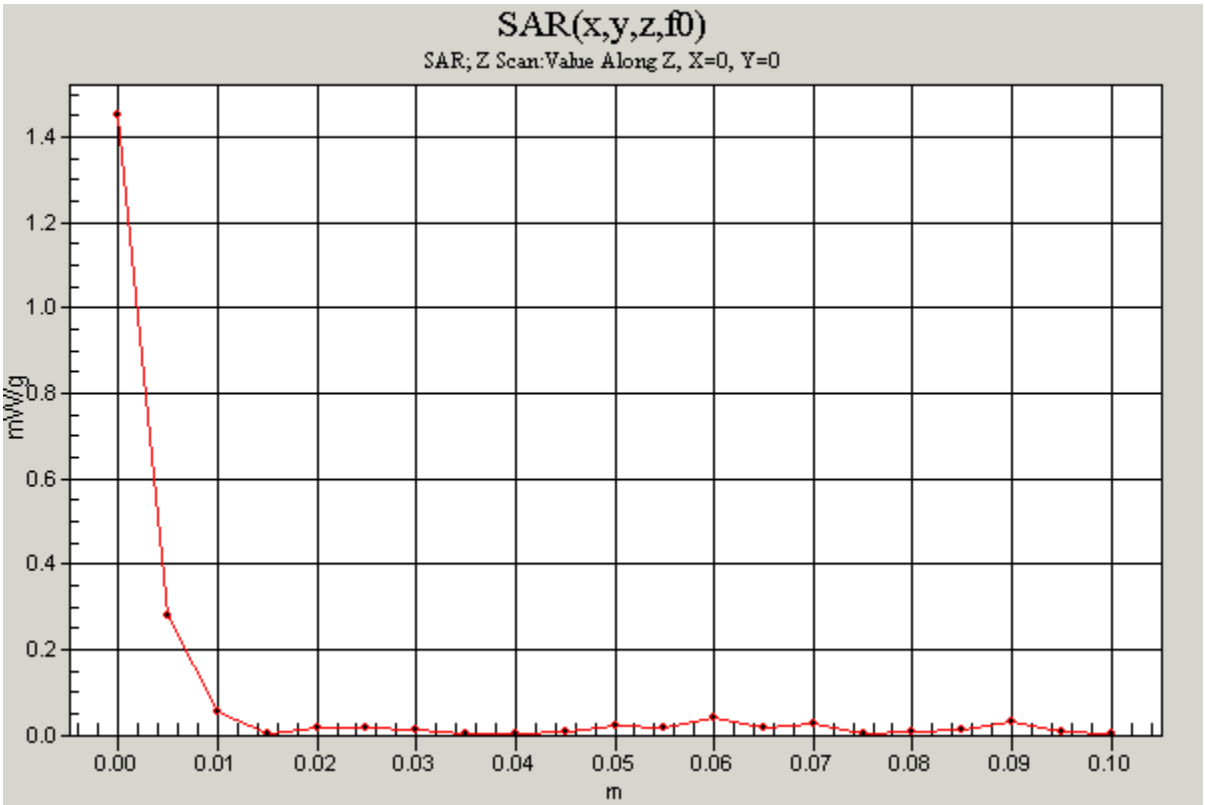
- Probe: EX3DV3 - SN3519; ConvF(4.21, 4.21, 4.21); Calibrated: 3/19/2004
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

UNII CH=5260 Rate=54Mbps/Area Scan (8x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.802 mW/g

UNII CH=5260 Rate=54Mbps/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.45 mW/g

UNII CH=5260 Rate=54Mbps/Zoom Scan (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.46 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 2.1 W/kg
SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.881 mW/g


mW/g
0.802
0.642
0.481
0.321
0.160
0


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 12/20/04 09:02:00

Test Laboratory: Compliance Certification Services Inc.

802.11a Touch mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

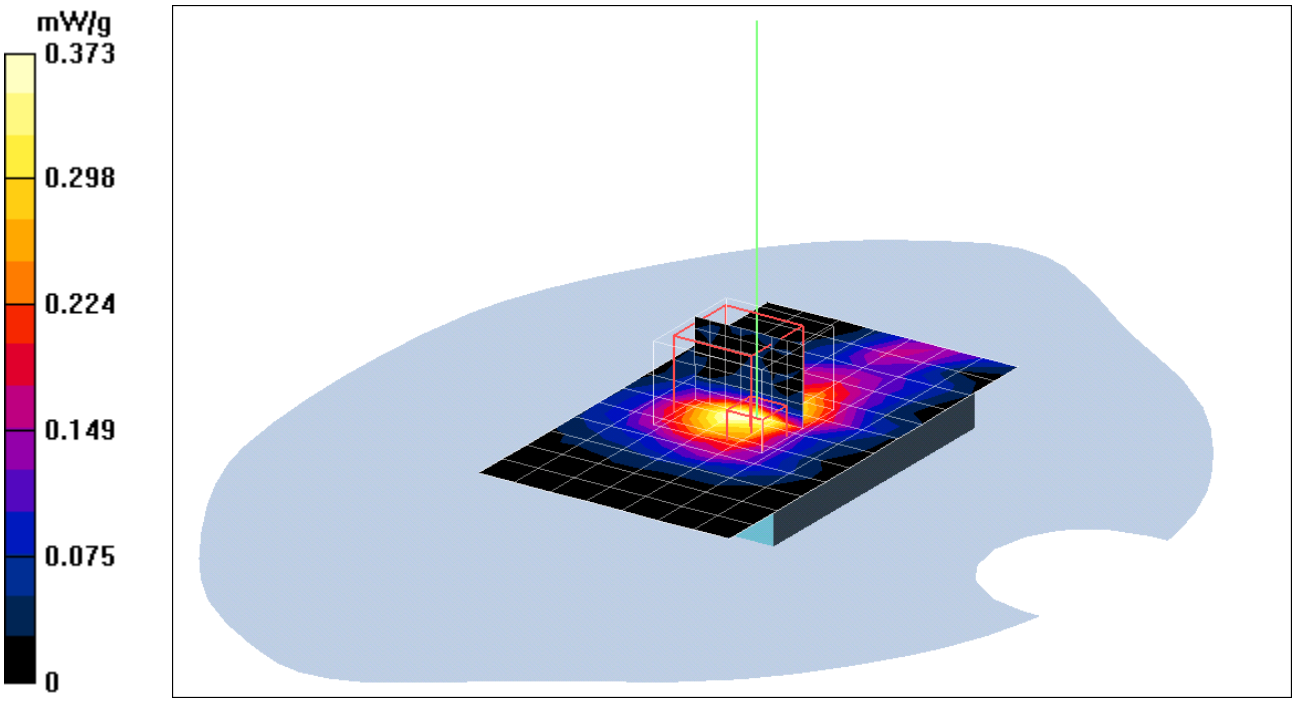
Communication System: IEEE 802.11 A; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 6.26 mho/m; ε_r = 45.8; ρ = 1000 kg/m^3
Air Temperature:25.1 deg C;Liquid Temperature:23.9 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

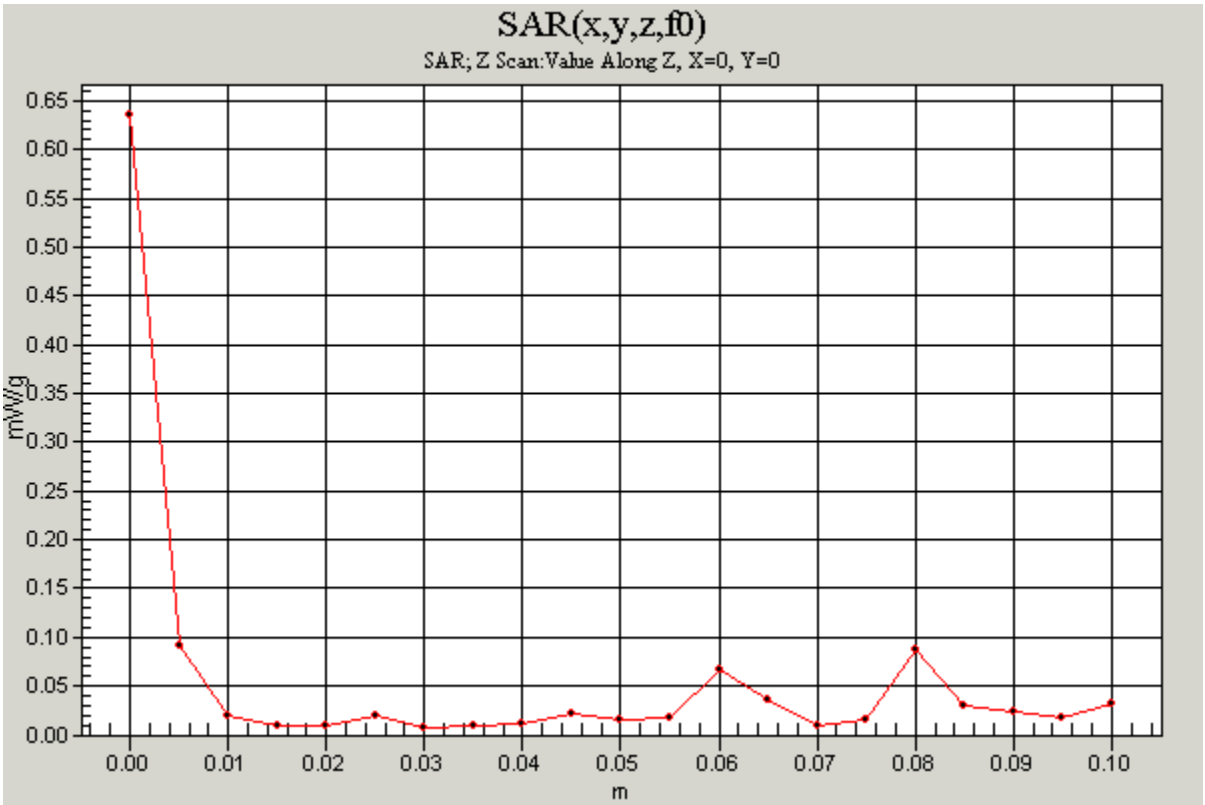
- Probe: EX3DV3 - SN3519; ConvF(3.82, 3.82, 3.82); Calibrated: 3/19/2004
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

DTS CH=5785 Rate=54Mbps/Area Scan (8x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.373 mW/g

DTS CH=5785 Rate=54Mbps/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.636 mW/g

DTS CH=5785 Rate=54Mbps/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 3.99 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 0.977 W/kg
SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.360 mW/g

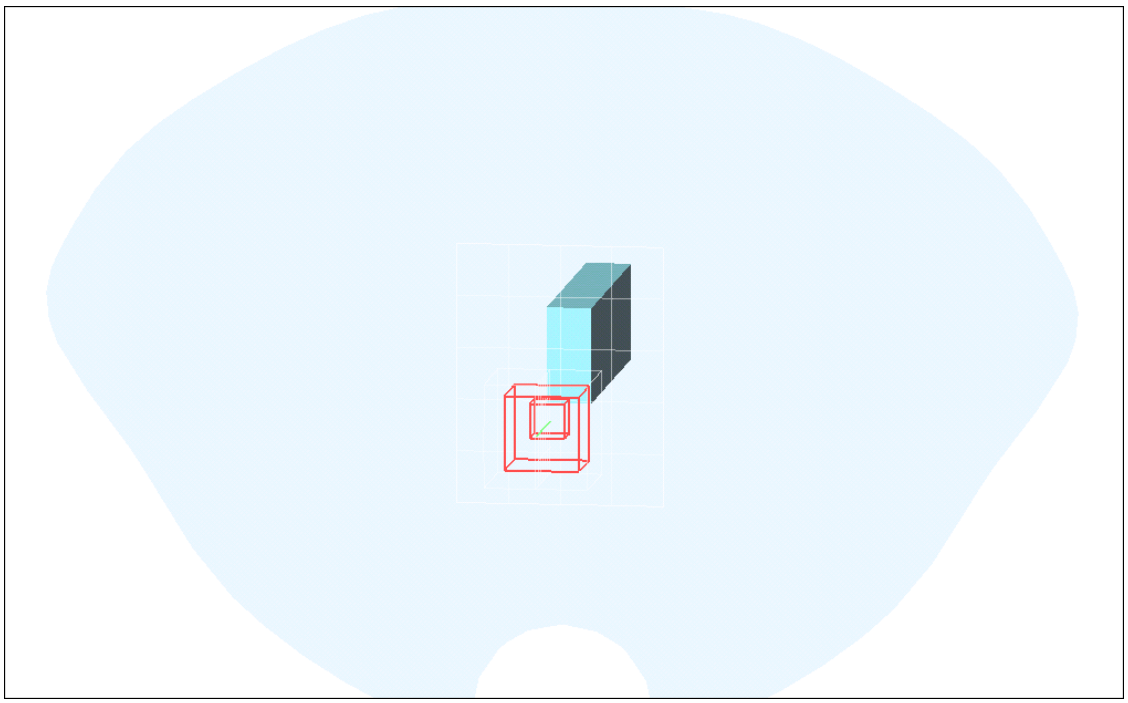

mW/g
0.373
0.298
0.224
0.149
0.075
0


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 12/10/04 13:05:31

Test Laboratory: Compliance Certification Services Inc.

Test Configuration-2



Date/Time: 12/20/04 20:08:57

Test Laboratory: Compliance Certification Services Inc.

802.11a 15mm mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

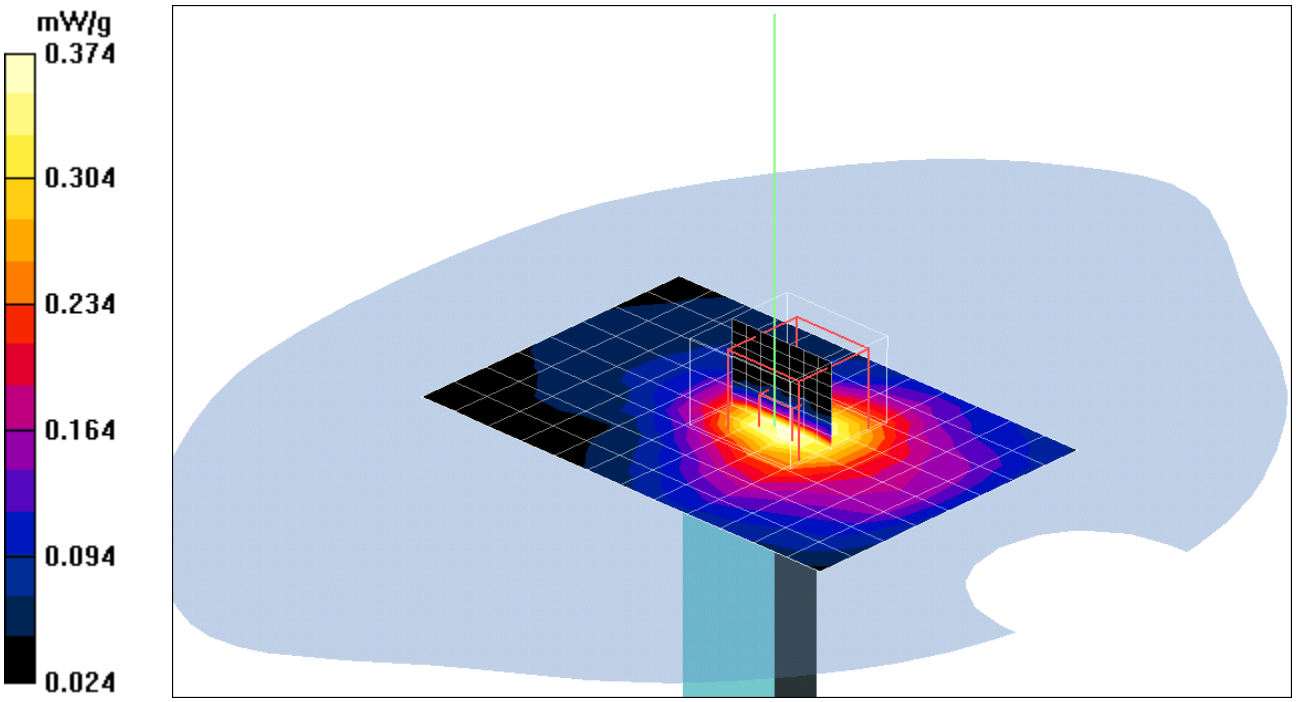
Communication System: IEEE 802.11 A; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.5 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3
Air Temperature:25.1 deg C;Liquid Temperature:23.9 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

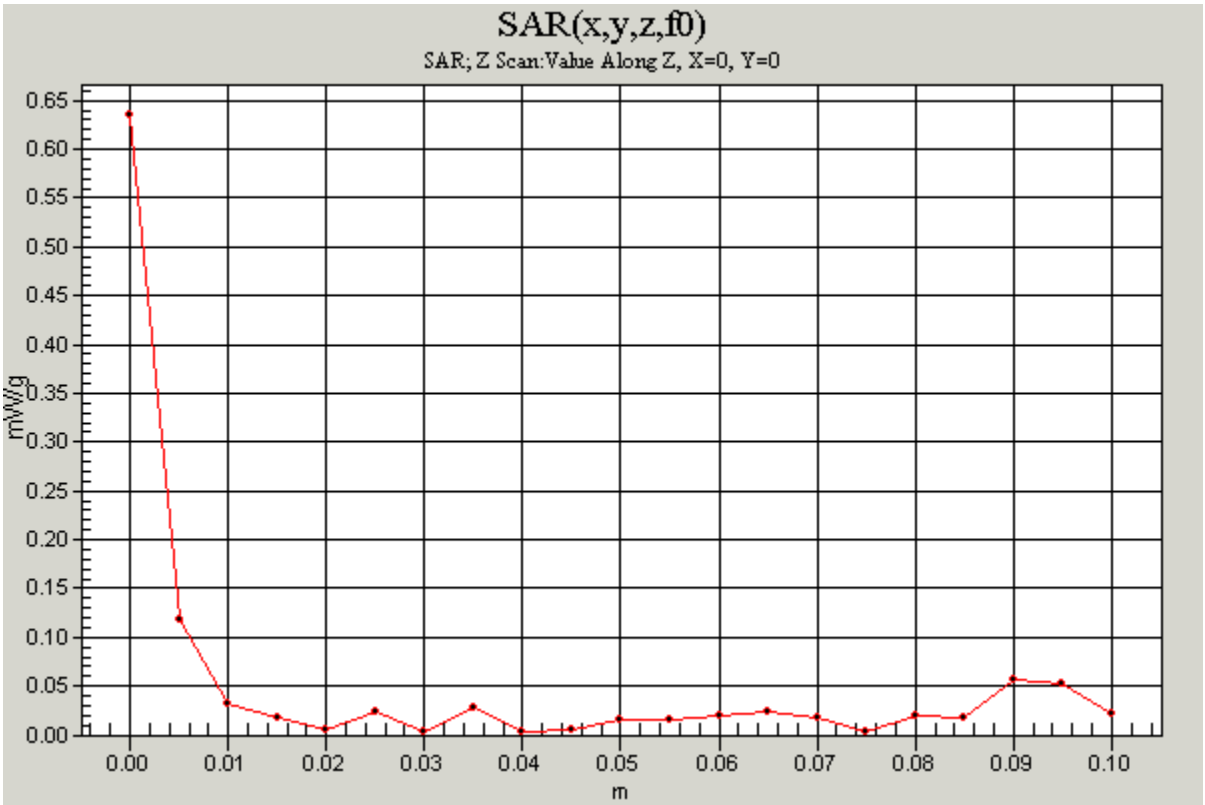
- Probe: EX3DV3 - SN3519; ConvF(4.21, 4.21, 4.21); Calibrated: 3/19/2004
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

UNII CH=5260 Rate=54Mbps/Area Scan (13x9x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.374 mW/g

UNII CH=5260 Rate=54Mbps/Z Scan (1x1x21): Measurement grid:
dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.635 mW/g

UNII CH=5260 Rate=54Mbps/Zoom Scan (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 8.34 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.398 mW/g


mW/g
0.374
0.304
0.234
0.164
0.094
0.024


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 12/20/04 20:08:57

Test Laboratory: Compliance Certification Services Inc.

802.11a 15mm mode

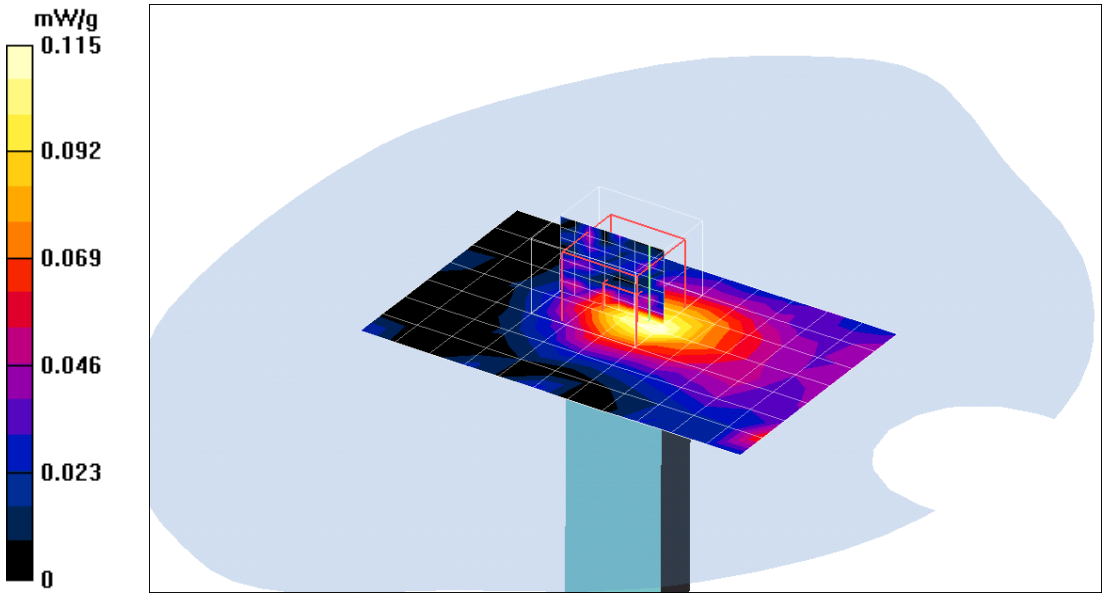
DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 6.26 mho/m; ε_r = 45.8; ρ = 1000 kg/m^3
Air Temperature:25.1 deg C;Liquid Temperature:23.9 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

- Probe: EX3DV3 - SN3519; ConvF(3.82, 3.82, 3.82); Calibrated: 3/19/2004
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

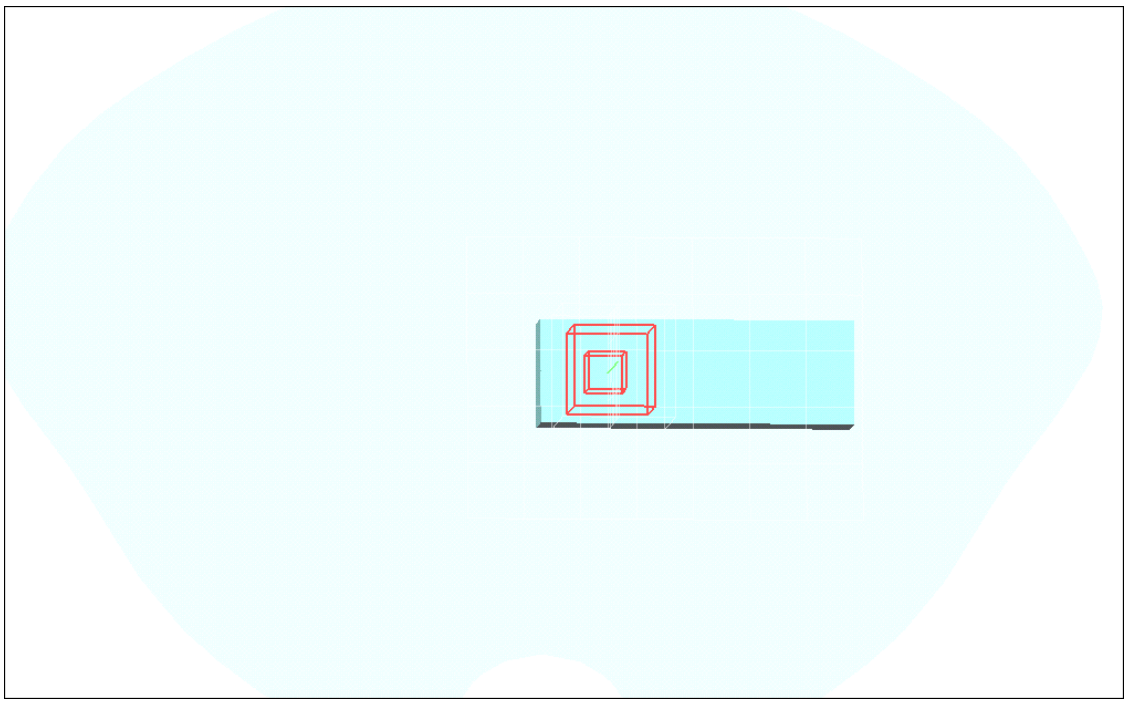
DTS CH=5785 Rate=54Mbps/Area Scan (12x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.115 mW/g

DTS CH=5785 Rate=54Mbps/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.24 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.227 W/kg
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.110 mW/g



Test Laboratory: Compliance Certification Services Inc.

Test Configuration-1



Date/Time: 12/20/04 17:42:26

Test Laboratory: Compliance Certification Services Inc.

802.11a Touch mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

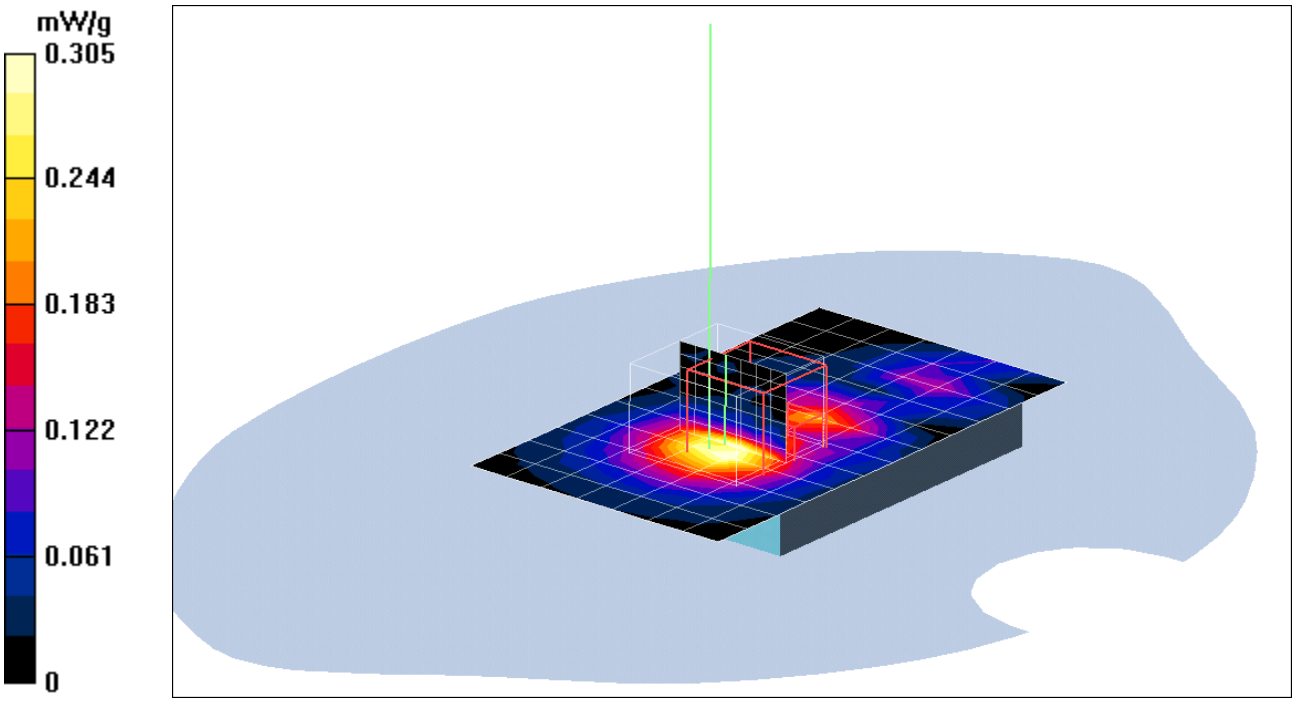
Communication System: IEEE 802.11 A; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 5.5 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3
Air Temperature:25.1 deg C;Liquid Temperature:23.9 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

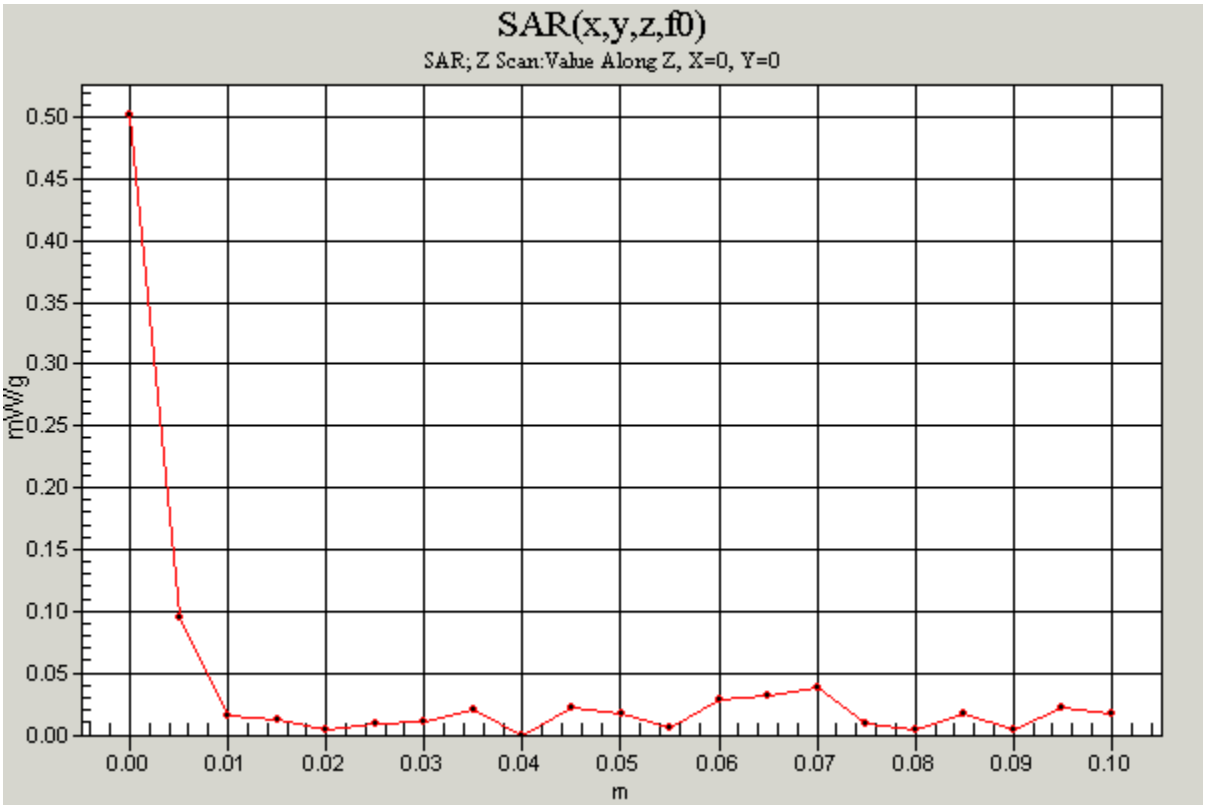
- Probe: EX3DV3 - SN3519; ConvF(4.21, 4.21, 4.21); Calibrated: 3/19/2004
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

UNII CH=5250 Rate=108Mbps/Area Scan (8x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.305 mW/g

UNII CH=5250 Rate=108Mbps/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.502 mW/g

UNII CH=5250 Rate=108Mbps/Zoom Scan (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 6.89 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 0.799 W/kg
SAR(1 g) = 0.197 mW/g; SAR(10g) = 0.065 mW/g
Maximum value of SAR (measured) = 0.321 mW/g


mW/g
0.305
0.244
0.183
0.122
0.061
0


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 12/20/04 09:02:00

Test Laboratory: Compliance Certification Services Inc.

802.11a Touch mode

DUT: WG-111U; Type: WLAN USB Adapter; Serial: N/A

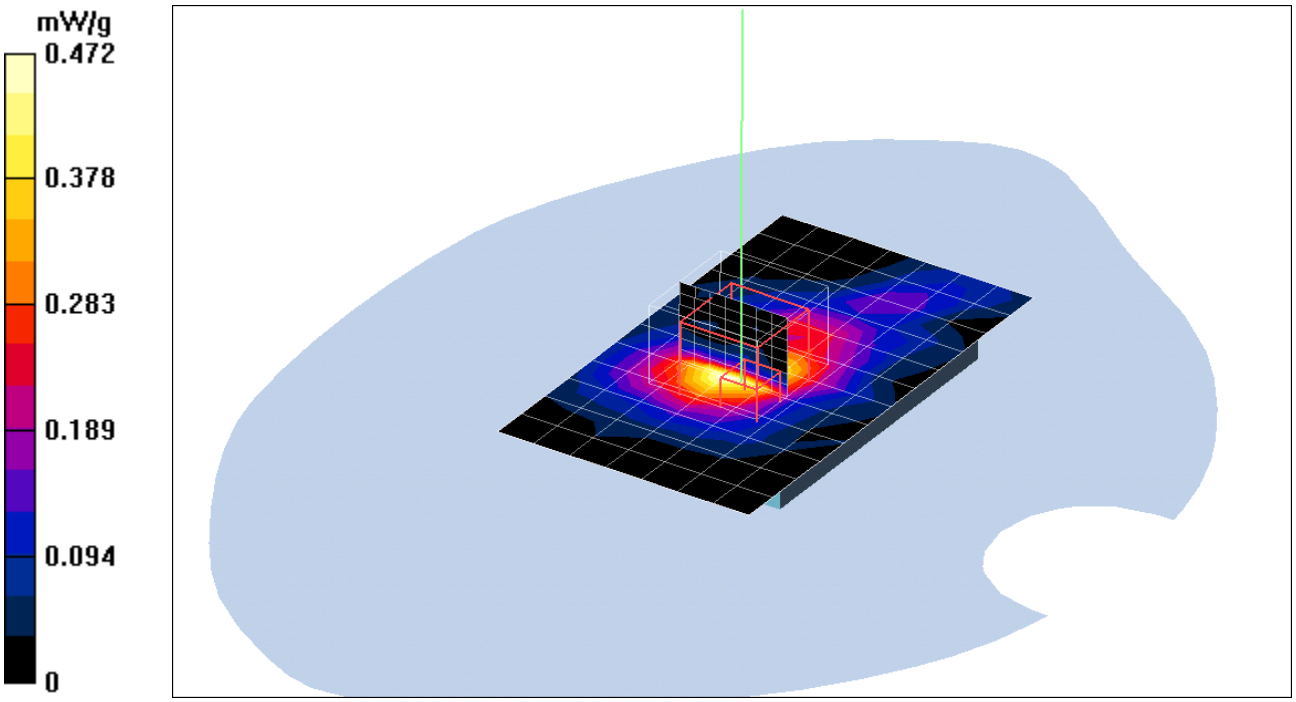
Communication System: IEEE 802.11 A; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 6.28 mho/m; ε_r = 45.8; ρ = 1000 kg/m^3
Air Temperature:25.1 deg C;Liquid Temperature:23.9 deg C
Phantom section: Flat Section
Area scan setting: Find secondary maximum winthin 2.0 dB ; Zoom scan setting: Maximum number of cubes to measure 2
DASY4 Configuration:

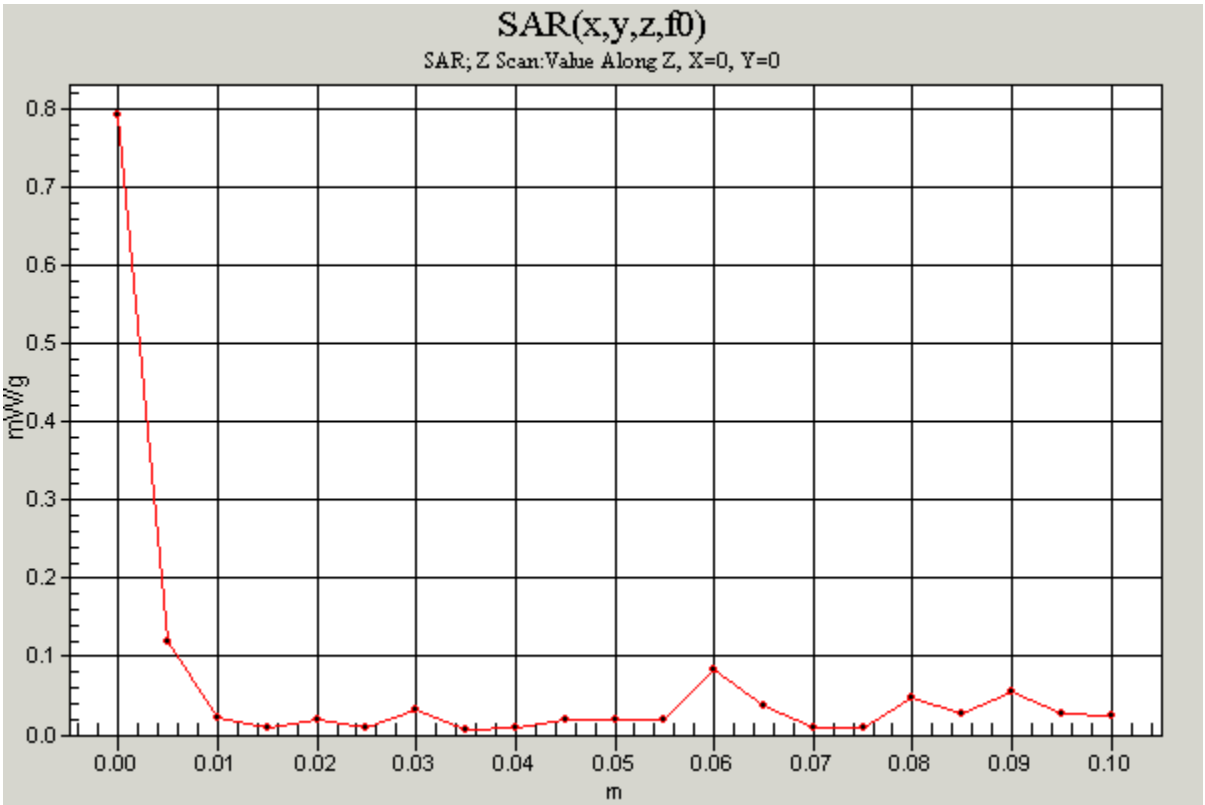
- Probe: EX3DV3 - SN3519; ConvF(3.82, 3.82, 3.82); Calibrated: 3/19/2004
- Sensor-Surface: 2mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.3 Build 16; Postprocessing SW: SEMCAD, V1.8 Build 123

DTS CH=5800 Rate=108Mbps/Area Scan (8x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.472 mW/g

DTS CH=5800 Rate=108Mbps/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.792 mW/g

DTS CH=5800 Rate=108Mbps/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.65 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 2.965 W/kg
SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.144 mW/g
Maximum value of SAR (measured) = 0.469 mW/g


mW/g
0.472
0.378
0.283
0.189
0.094
0


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m