

APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

Mode 1



The EUT to the flat phantom distance is 11mm

Mode 2



The EUT to the flat phantom distance is 15mm

Mode 3



The EUT to the flat phantom distance is 6mm

Mode 4



The EUT to the flat phantom distance is 11mm

Mode 5



The EUT to the flat phantom distance is 15mm

Mode 6



The EUT to the flat phantom distance is 6mm

Mode 7



The EUT to the flat phantom distance is 12mm

Mode 8



The EUT to the flat phantom distance is 15mm

Mode 9



The EUT to the flat phantom distance is 5mm

Mode 10



The EUT to the flat phantom distance is 12mm

Mode 11



The EUT to the flat phantom distance is 15mm

Mode 12



The EUT to the flat phantom distance is 5mm

Mode 13



The EUT to the flat phantom distance is 11mm

Mode 14



The EUT to the flat phantom distance is 15mm

Mode 15



The EUT to the flat phantom distance is 7mm

Mode 16



The EUT to the flat phantom distance is 11mm

Mode 17



The EUT to the flat phantom distance is 15mm

Mode 18



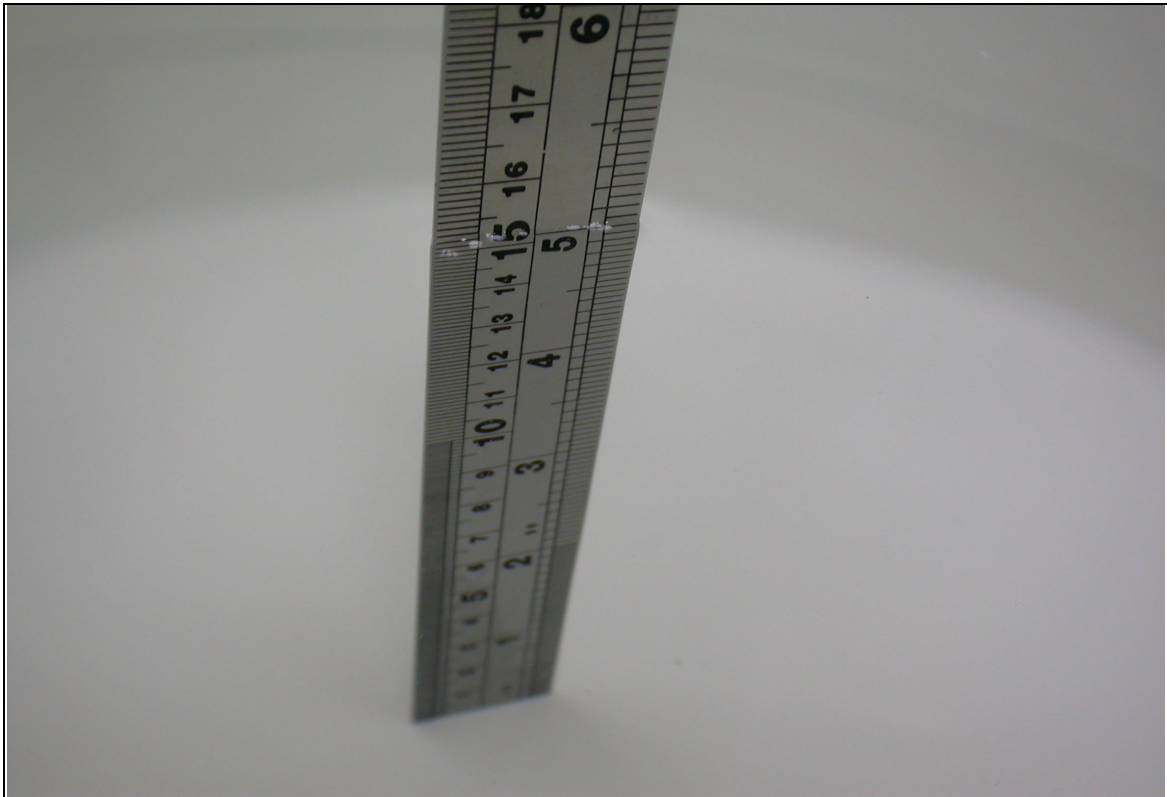
The EUT to the flat phantom distance is 7mm

EUT Photo



Liquid Level Photo

2450MHz D=155mm



1900MHz D=155mm



A2 : TEST DATA

Date/Time: 09/10/03 11:48:44

Test Laboratory: Advance Data Technology

BENQ 56W10 Evo N800C Mode 1

DUT: Wireless LAN PCMCIA Card ; Type: 56W10 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK

Medium: MSL2450 ($\sigma = 1.91$ mho/m, $\epsilon_r = 51.92$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 11mm(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: ET3DV6 - SN1687; ConvF(4.6, 4.6, 4.6); Calibrated: 11/24/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.7 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 1.07 mW/g

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

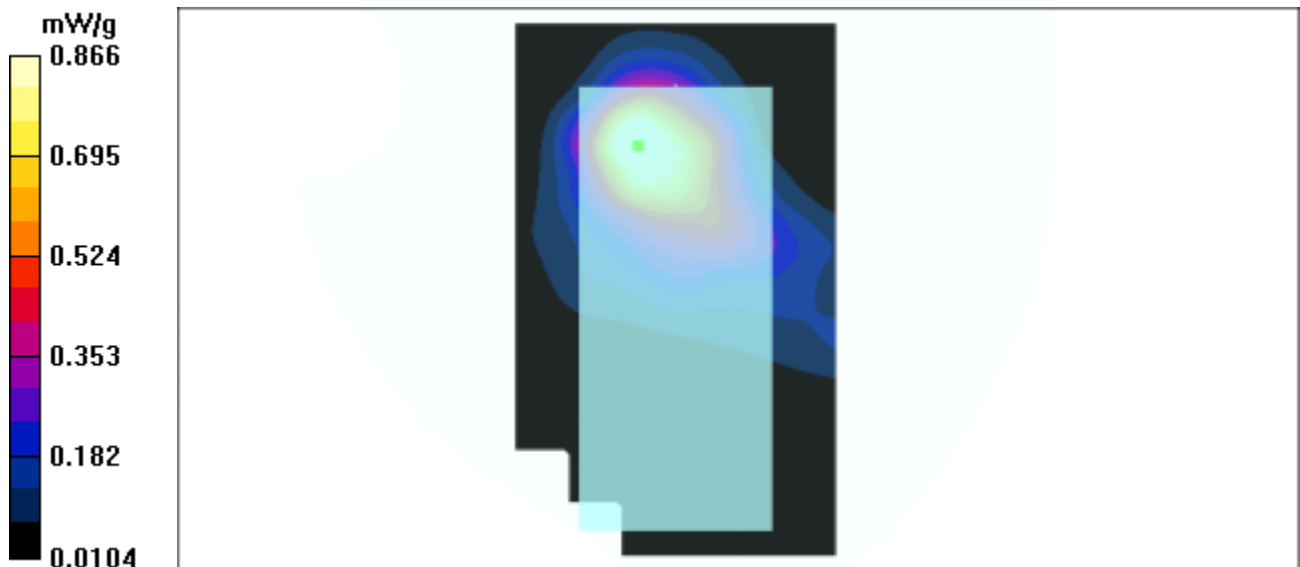
Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.461 mW/g

Reference Value = 13.7 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.866 mW/g



Test Laboratory: Advance Data Technology

BENQ 56W10 Evo N800C Mode 1

DUT: Wireless LAN PCMCIA Card ; Type: 56W10 ; Test Channel Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.95$ mho/m, $\epsilon_r = 51.88$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 11mm(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: ET3DV6 - SN1687; ConvF(4.6, 4.6, 4.6); Calibrated: 11/24/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.5 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 1.24 mW/g

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

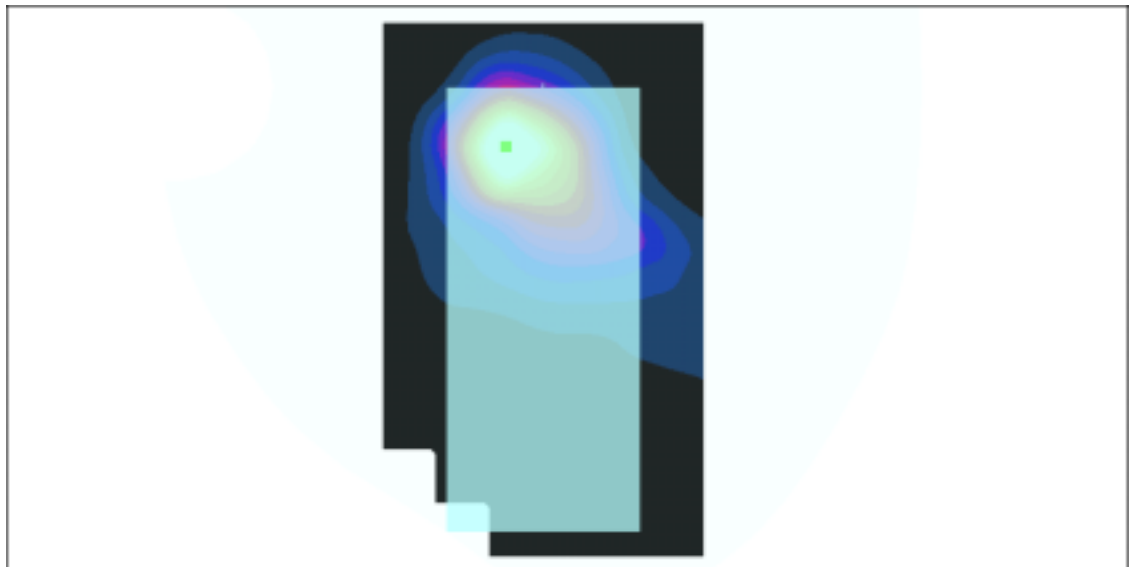
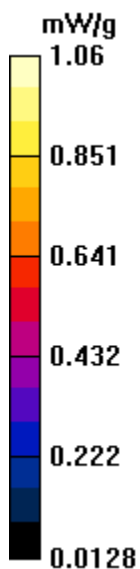
Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.998 mW/g; SAR(10 g) = 0.554 mW/g

Reference Value = 13.5 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 1.06 mW/g



Test Laboratory: Advance Data Technology

BENQ 56W10 Evo N800C Mode 1

DUT: Wireless LAN PCMCIA Card ; Type: 56W10 ; Test Channel Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 2.01$ mho/m, $\epsilon_r = 51.56$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 11mm(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: ET3DV6 - SN1687; ConvF(4.6, 4.6, 4.6); Calibrated: 11/24/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.9 mW/g

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

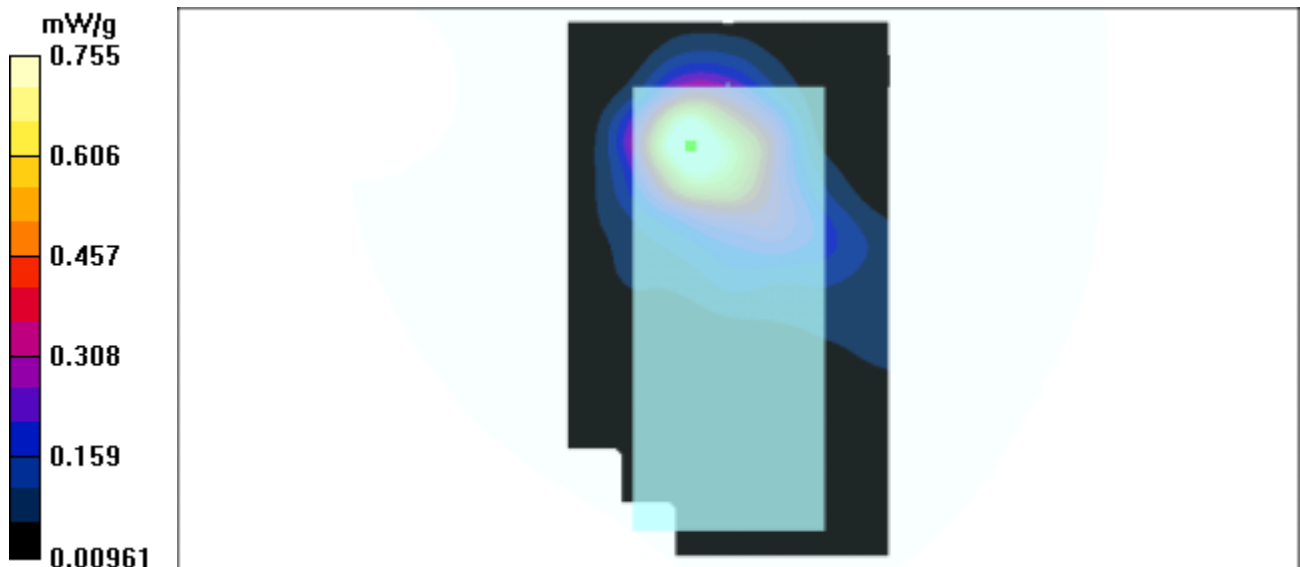
Peak SAR (extrapolated) = 1.4 W/kg

SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.382 mW/g

Reference Value = 12.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.755 mW/g



Test Laboratory: Advance Data Technology

BENQ 56W10 Dell C600 Mode 7

DUT: Wireless LAN PCMCIA Card ; Type: 56W10 ; Test Channel Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.976$ mho/m, $\epsilon_r = 51.6187$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 11mm(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: ET3DV6 - SN1687; ConvF(4.6, 4.6, 4.6); Calibrated: 11/24/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.906 mW/g

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

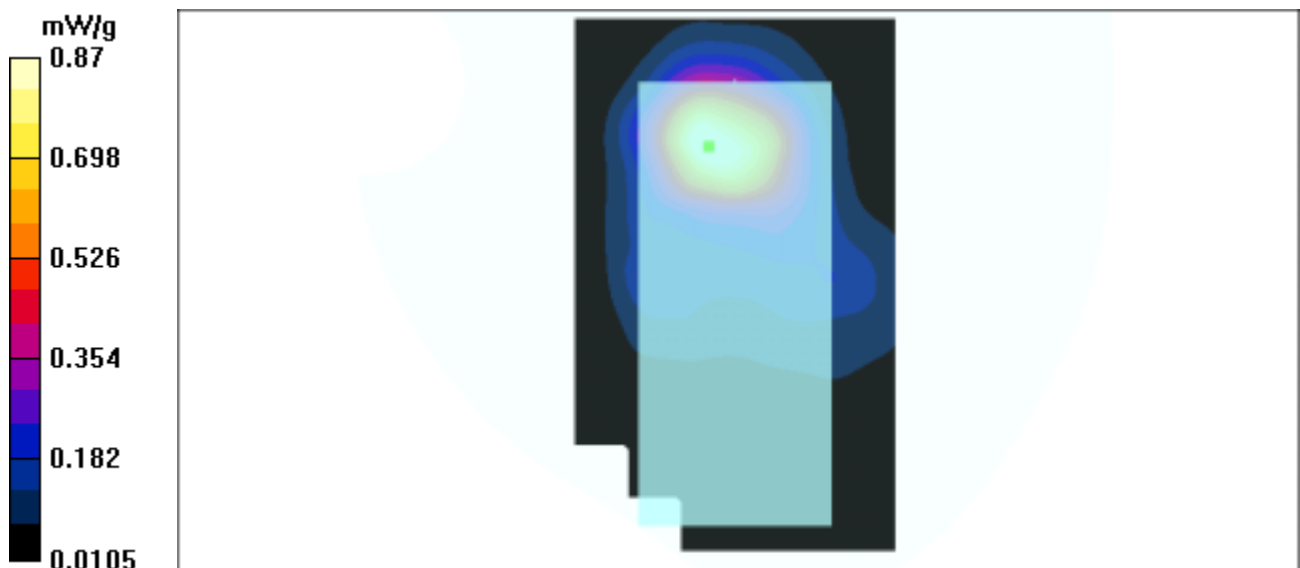
Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.441 mW/g

Reference Value = 15 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.87 mW/g



Test Laboratory: Advance Data Technology

BENQ 56W10 Dell C600 Mode 7

DUT: Wireless LAN PCMCIA Card ; Type: 56W10 ; Test Channel Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 2.008$ mho/m, $\epsilon_r = 51.5262$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 11mm(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: ET3DV6 - SN1687; ConvF(4.6, 4.6, 4.6); Calibrated: 11/24/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.989 mW/g

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

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.471 mW/g

Reference Value = 15.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.924 mW/g

