Appendix C

SAR System Validation Data

of

Product Name

802.11a/b/g Wireless Cardbus Adpater (Super AG)

Model

IPN-W100CB

Appendixa C of Report Number: ISL-06LR026SAR-F International Standards Laboratory



1 2450 MHz System Validation Data

Report Date : 20-Nov-2006 Measurement Date : 20-Nov-2006

Product Data

Device Name : Dipole-2450
Serial No. : Validation
Type : Dipole
Model : Standard
Frequency : 2450.00 MHz

Max. Transmit Pwr : 1 W Drift Time : 0 min(s)

Length : 51.5 mm

Width : 3.6 mm

Depth : 30.4 mm Antenna Type : Internal Power Drift-Start : 65.814 W/kg Power Drift-Finish: 63.675 W/kg Power Drift (%) : -3.250

Phantom Data

Type Name : APREL-Uni : Uni-Phantom size (mm)
Location
Size (mm)
Center
Size (mm)
Size (mm)
Center

Tissue Data

Type : HEAD
Serial No. : 2450HEAD
Frequency : 2450.00 MHz Last Calib. Date : 20-Nov-2006 Last Calib. Date : 20-Nov 2008
Temperature : 22.10 °C
Ambient Temp. : 22.40 °C
Humidity : 52.00 RH%
Epsilon : 39.21 F/m
Sigma : 1.64 S/m

Density : 1.64 S/m : 1000.00 kg/cu. m

Probe Data

Name : E-field Probe
Model : ALS-E-020

Type : E-Field Triangle Serial No. : 266

Last Calib. Date : 22-Jun-2006 Frequency : 2450.00 MHz

Duty Cycle Factor: 1 Conversion Factor: 4.9

Probe Sensitivity: 1.20 1.20 1.20 $\mu V/(V/m)^2$

Compression Point: 95.00 mV Offset : 1.56 mm



Measurement Data Crest Factor : 1

Tissue Temp. : 22.10 °C Ambient Temp. : 22.40 °C

Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

Channel : Mid - 2450MHz

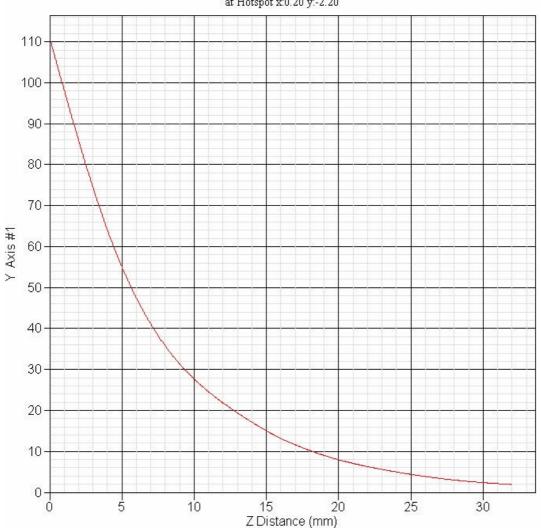
Area Scan Y Axis (mm) 64.8899994 -10 55.6200027 -10 46.3500023 X Axis (mm) 37.0800018 27.8100014 10 18.5400009 9.2700005 20 0.0000000 -20 -10 10 20 -30 30

Y Axis (mm)

1 gram SAR value : 53.242 W/kg 10 gram SAR value : 24.313 W/kg Area Scan Peak SAR : 64.890 W/kg Zoom Scan Peak SAR : 110.960 W/kg









2 5200 MHz System Validation Data

Report Date : 21-Nov-2006 Measurement Date : 21-Nov-2006

Product Data
Device Name : Dipole-5200
Serial No. : Validation
Type : Dipole
Model : Standard
Frequency : 5200.00 MHz

Max. Transmit Pwr : 1 W Drift Time : 0 min(s)
Length : 21.4 mm
Width : 3.6 mm
Depth : 89.8 mm Antenna Type : Internal Power Drift-Start : 75.662 W/kg Power Drift-Finish: 74.243 W/kg Power Drift (%) : -1.876

Phantom Data

Name : APREL-Uni Type : Uni-Phantom Size (mm) : 280 x 280 x 200

Location : Center

Tissue Data
Type : HEAD
Serial No. : 5200-H-AU-18
Frequency : 5200.00 MHz Last Calib. Date: 21-Nov-2006 Temperature : 21.80 °C Ambient Temp. : 22.00 °C

Humidity : 55.00 RH%

Epsilon : 35.12 F/m

Sigma : 4.78 S/m

Density : 1000.00 kg/cu. m

Probe Data

Name : E-field Promodel : ALS-E-020
Type : E-Field Tro : E-field Probe : E-Field Triangle

Serial No. : 266

Last Calib. Date: 22-Jun-2006 Frequency : 5200.00 MHz

Duty Cycle Factor: 1 Conversion Factor: 3.82

Probe Sensitivity: 1.20 1.20 1.20 $\mu V/(V/m)^2$

Compression Point: 95.00 mV Offset : 1.56 mm



Measurement Data Crest Factor : 1

: 21.80 °C Tissue Temp. Ambient Temp. : 21.00 °C

: 5x7x1 : Measurement x=10mm, y=10mm, z=4mm Area Scan Zoom Scan : 9x9x7 : Measurement x=4mm, y=4mm, z=5mm

Channel : Mid - 5200MHz

Area Scan Y Axis (mm) 75.7220001 64.9020023 -10 -10 54.0850019 43.2680016 32.4510012 10 21.6340008 10.8170004 20 0.0000000

-10

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Y Axis (mm)

10

20

30

-20

-30

: 65.958 W/kg 1 gram SAR value 10 gram SAR value : 19.711 W/kg Area Scan Peak SAR : 75.722 W/kg Zoom Scan Peak SAR : 180.148 W/kg





