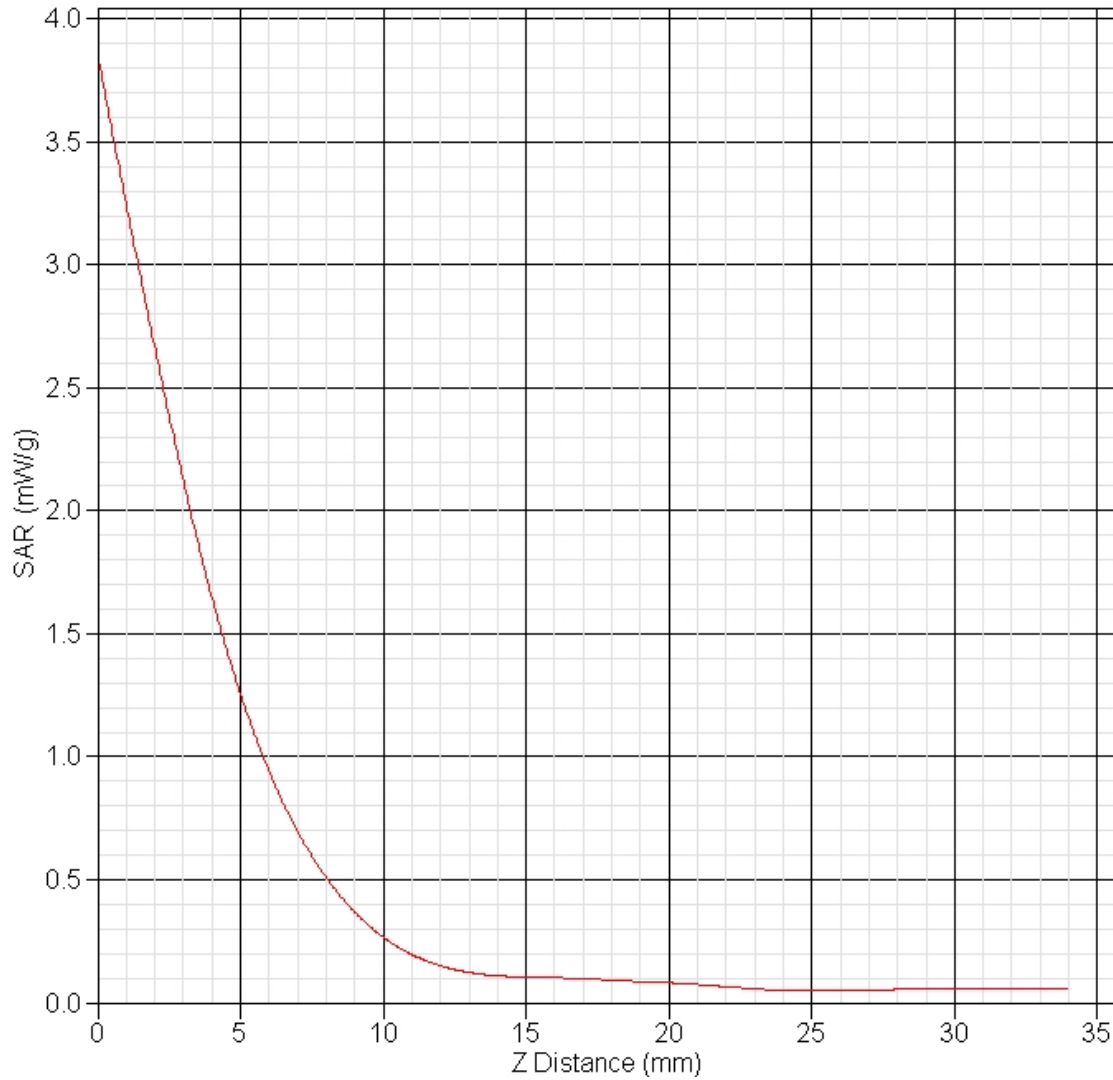


SAR-Z Axis at Hotspot x:4.05 y:-0.12



Project number: ITLB-6AMP-5294

51 Spectrum Way
Ottawa ON Canada K2R 1E6
© 2005 APREL Laboratories
E. & O.E.



This report shall not be reproduced, except in full, without written approval of APREL Laboratories



SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

SAR Test Report

Report Date : 10-Jun-2008
 By Operator : 123
 Measurement Date : 10-Jun-2008
 Starting Time : 10-Jun-2008 09:15:59 AM
 End Time : 10-Jun-2008 10:29:14 AM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Pacino Acon front
 Serial No. : ITLB-Dell-Pacino-Acon-5340
 Type : Other
 Model : APL
 Frequency : 5270.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 90 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.024 W/kg
 Power Drift-Finish: 0.026 W/kg
 Power Drift (%) : 4.444
 Picture : Pacino-acon-front

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : User Define
 Location : Center
 Description : U

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5200.00 MHz
 Last Calib. Date : 09-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 47.75 F/m
 Sigma : 5.39 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 5200.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.2
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
 Compression Point: 95.00 mV
 Offset : 0.44 mm

Measurement Data

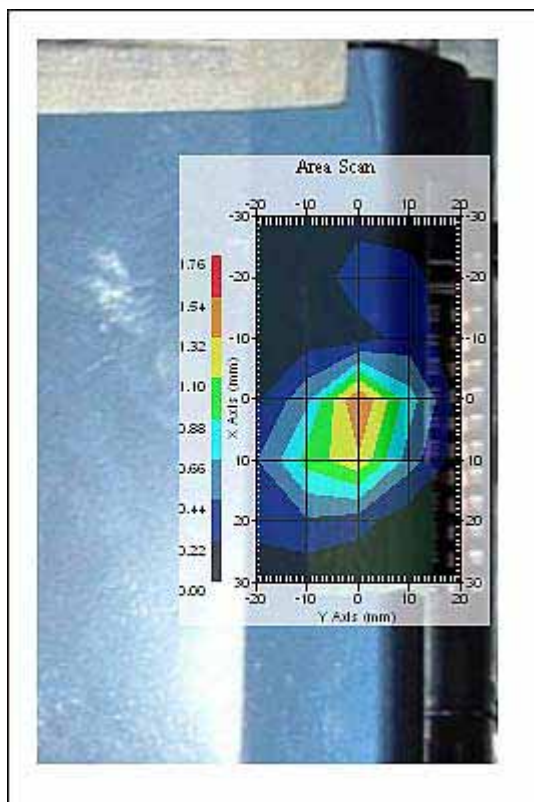
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 10-Jun-2008
 Set-up Time : 9:07:25 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294





1 gram SAR value : 1.476 W/kg
 Zoom Scan Peak SAR : 3.963 W/kg

Project number: ITLB-6AMP-5294

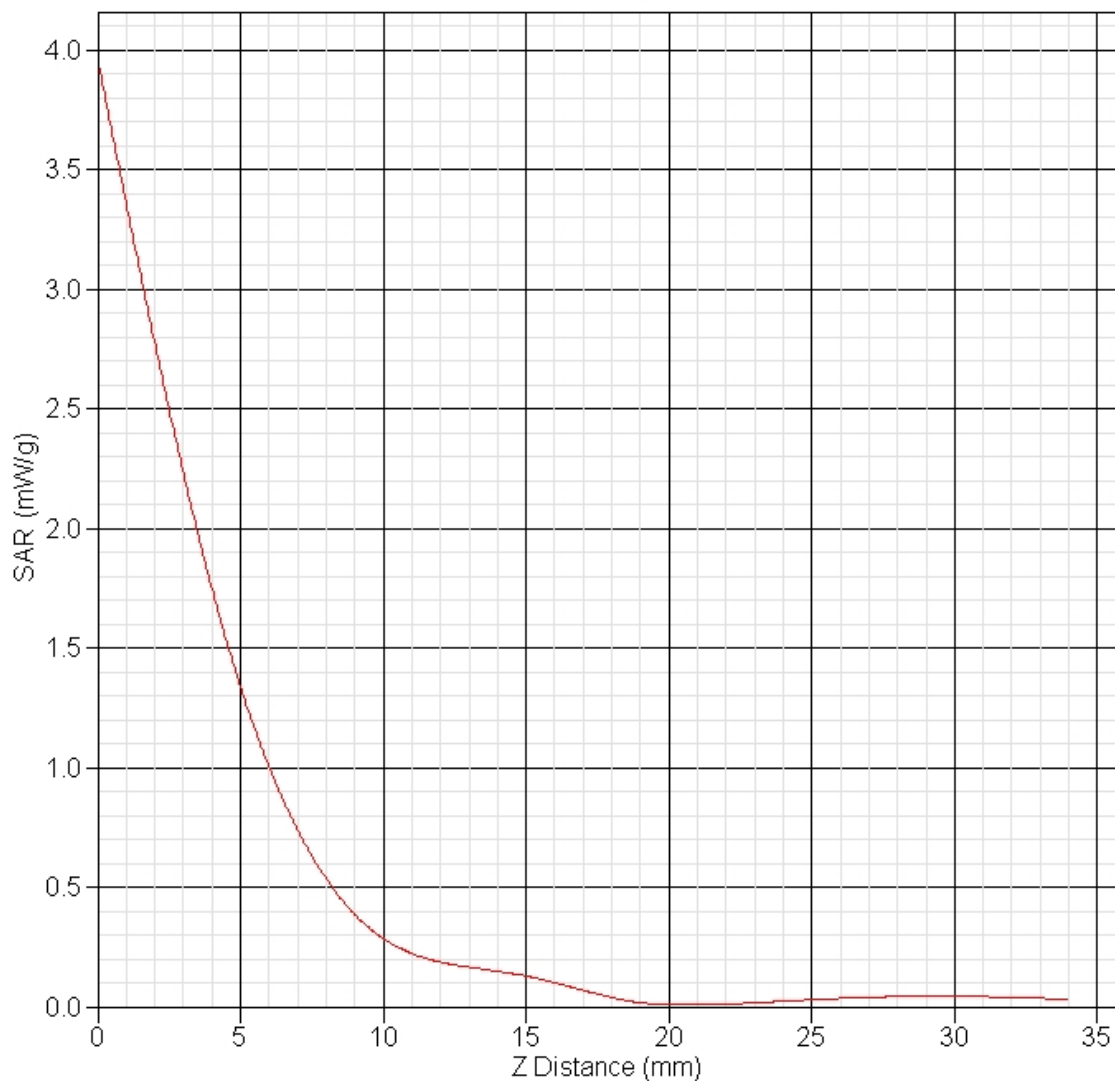


Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	4.4	rectangular	•3	1	1	2.5	2.5
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	0.7	normal	1	0.7	0.5	0.5	0.4
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	2.4	normal	1	0.6	0.5	1.4	1.2
Combined Uncertainty		RSS				9.8	9.3
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.9	18.7

SAR-Z Axis

at Hotspot x:4.26 y:-4.10



Project number: ITLB-6AMP-5294

51 Spectrum Way
 Ottawa ON Canada K2R 1E6
 © 2005 APREL Laboratories
 E. & O.E.



This report shall not be reproduced, except in full, without written approval of APREL Laboratories

Page 76 of 37
www.aprel.com
info@aprel.com
 Phone (613) 820-2730
 Fax (613) 820-4161



SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

SAR Test Report

Report Date : 10-Jun-2008
 By Operator : 123
 Measurement Date : 10-Jun-2008
 Starting Time : 10-Jun-2008 01:06:20 PM
 End Time : 10-Jun-2008 02:29:30 PM
 Scanning Time : #### secs

Product Data
 Device Name : Dell Pacino Acon front
 Serial No. : ITLB-Dell-Pacino-Acon-5340
 Type : Other
 Model : APL
 Frequency : 5500.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 90 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.038 W/kg
 Power Drift-Finish : 0.040 W/kg
 Power Drift (%) : 3.972
 Picture : Pacino-acon-front

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : User Define
 Location : Center
 Description : U

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5600.00 MHz
 Last Calib. Date : 09-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 46.44 F/m
 Sigma : 6.02 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 5600.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.3
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 0.44 mm

Measurement Data

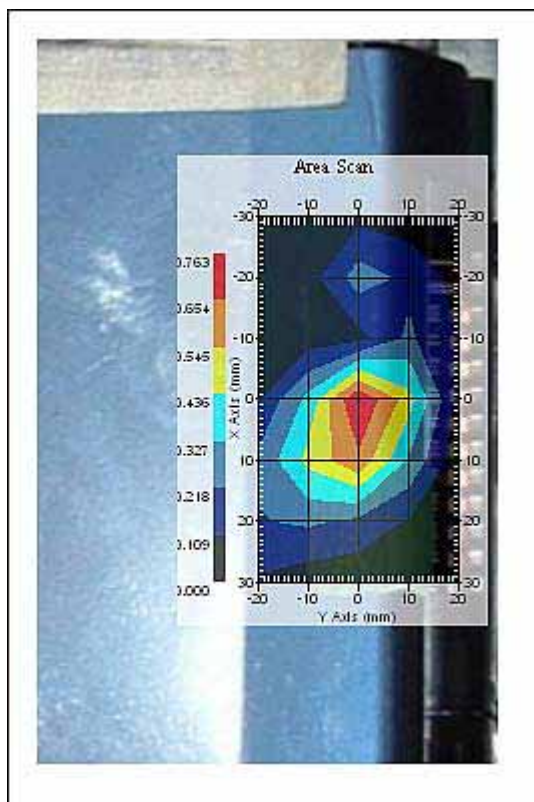
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 10-Jun-2008
 Set-up Time : 9:07:25 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low

Project number: ITLB-6AMP-5294





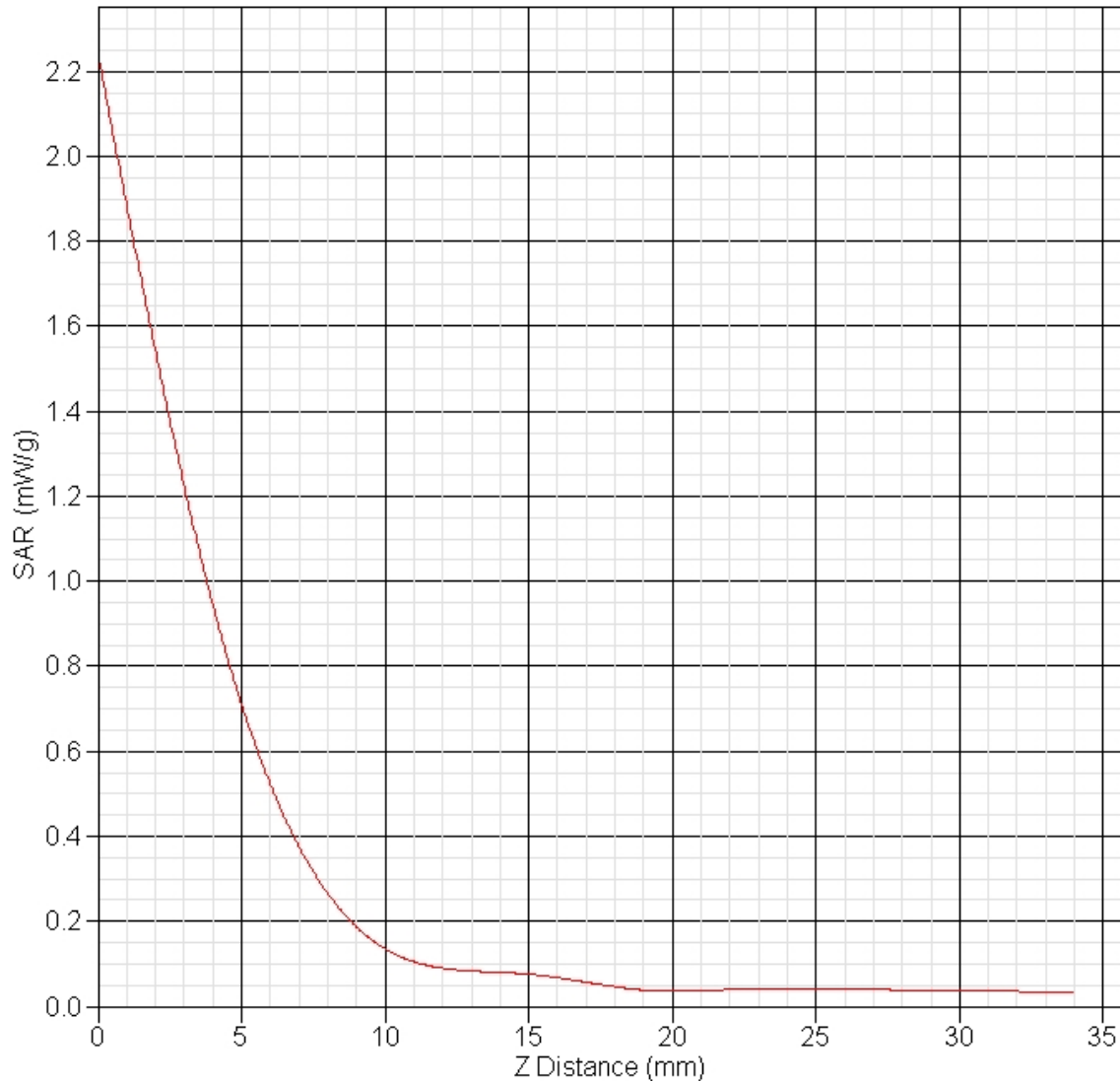
1 gram SAR value : 0.831 W/kg
Zoom Scan Peak SAR : 2.241 W/kg

Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	4.0	rectangular	•3	1	1	2.3	2.3
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	1.4	normal	1	0.7	0.5	0.0	0.0
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.4	normal	1	0.6	0.5	0.0	0.0
Combined Uncertainty		RSS				9.5	9.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.0	18.7

SAR-Z Axis

at Hotspot x:4.05 y:-0.10



Project number: ITLB-6AMP-5294

51 Spectrum Way
 Ottawa ON Canada K2R 1E6
 © 2005 APREL Laboratories
 E. & O.E.



This report shall not be reproduced, except in full, without written approval of APREL Laboratories

Page 81 of 37
www.aprel.com
info@aprel.com
 Phone (613) 820-2730
 Fax (613) 820-4161



SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

SAR Test Report

Report Date : 10-Jun-2008
 By Operator : 123
 Measurement Date : 10-Jun-2008
 Starting Time : 10-Jun-2008 11:00:36 AM
 End Time : 10-Jun-2008 12:10:33 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Pacino Acon front
 Serial No. : ITLB-Dell-Pacino-Acon-5340
 Type : Other
 Model : APL
 Frequency : 5500.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 90 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.029 W/kg
 Power Drift-Finish: 0.029 W/kg
 Power Drift (%) : 0.113
 Picture : Pacino-acon-front

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : User Define
 Location : Center
 Description : U

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5600.00 MHz
 Last Calib. Date : 09-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 46.44 F/m
 Sigma : 6.02 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 5600.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.3
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
 Compression Point: 95.00 mV
 Offset : 0.44 mm

Measurement Data

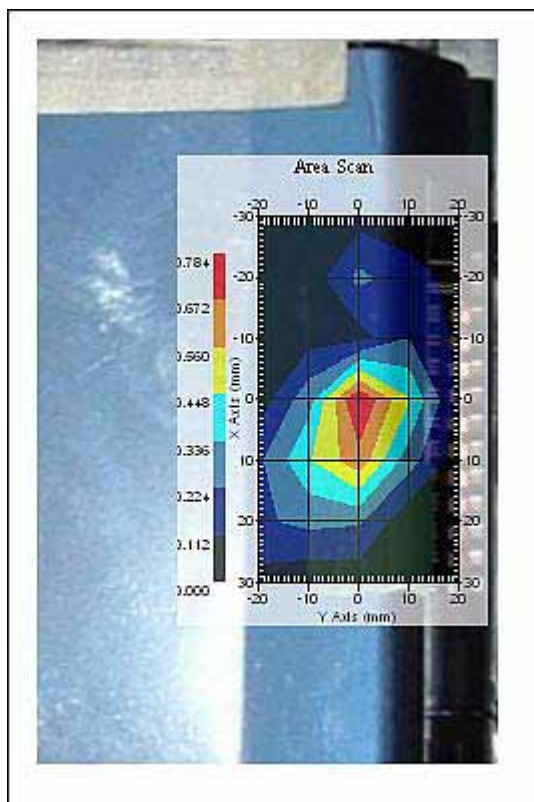
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 10-Jun-2008
 Set-up Time : 9:07:25 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low

Project number: ITLB-6AMP-5294





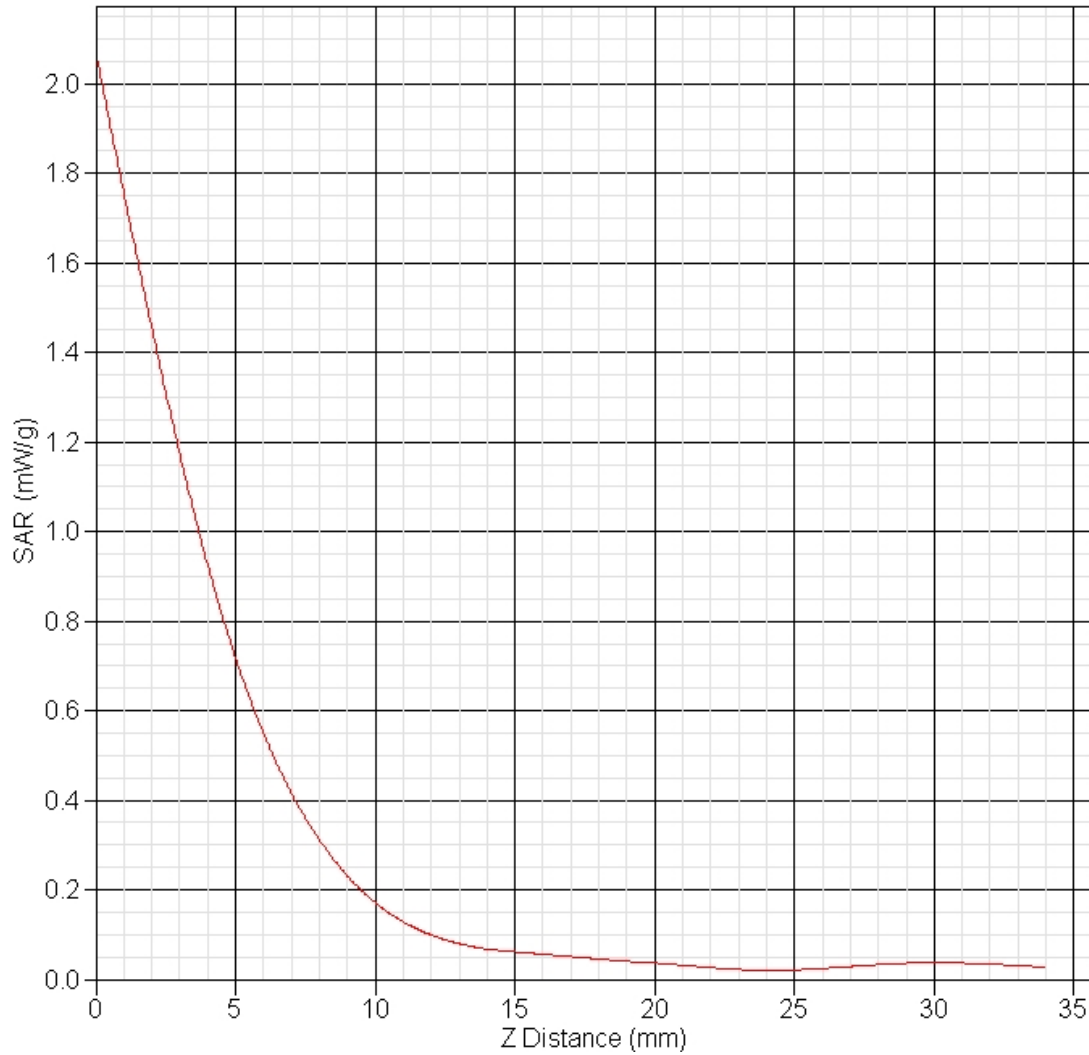
1 gram SAR value : 0.781 W/kg
 Zoom Scan Peak SAR : 2.071 W/kg

Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	0.1	rectangular	•3	1	1	0.0	0.0
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	1.4	normal	1	0.7	0.5	0.8	0.7
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.4	normal	1	0.6	0.5	0.8	0.7
Combined Uncertainty		RSS				8.5	8.0
Combined Uncertainty (coverage factor=2)		Normal (k=2)				17.1	16

SAR-Z Axis

at Hotspot x:4.03 y:-0.13



Project number: ITLB-6AMP-5294

51 Spectrum Way
 Ottawa ON Canada K2R 1E6
 © 2005 APREL Laboratories
 E. & O.E.



This report shall not be reproduced, except in full, without written approval of APREL Laboratories

Page 86 of 37
www.aprel.com
info@aprel.com
 Phone (613) 820-2730
 Fax (613) 820-4161



SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

SAR Test Report

Report Date : 10-Jun-2008
 By Operator : 123
 Measurement Date : 10-Jun-2008
 Starting Time : 10-Jun-2008 02:13:54 PM
 End Time : 10-Jun-2008 03:27:15 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Pacino Acon front
 Serial No. : ITLB-Dell-Pacino-Acon-5340
 Type : Other
 Model : APL
 Frequency : 5510.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 90 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.071 W/kg
 Power Drift-Finish: 0.070 W/kg
 Power Drift (%) : -1.459
 Picture : Pacino-acon-front

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : User Define
 Location : Center
 Description : U

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5600.00 MHz
 Last Calib. Date : 09-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 46.44 F/m
 Sigma : 6.02 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294

51 Spectrum Way
 Ottawa ON Canada K2R 1E6
 © 2005 APREL Laboratories
 E. & O.E.



This report shall not be reproduced, except in full, without written approval of APREL Laboratories

Page 87 of 37
 www.aprel.com
 info@aprel.com
 Phone (613) 820-2730
 Fax (613) 820-4161



SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 5600.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.3
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 0.44 mm

Measurement Data

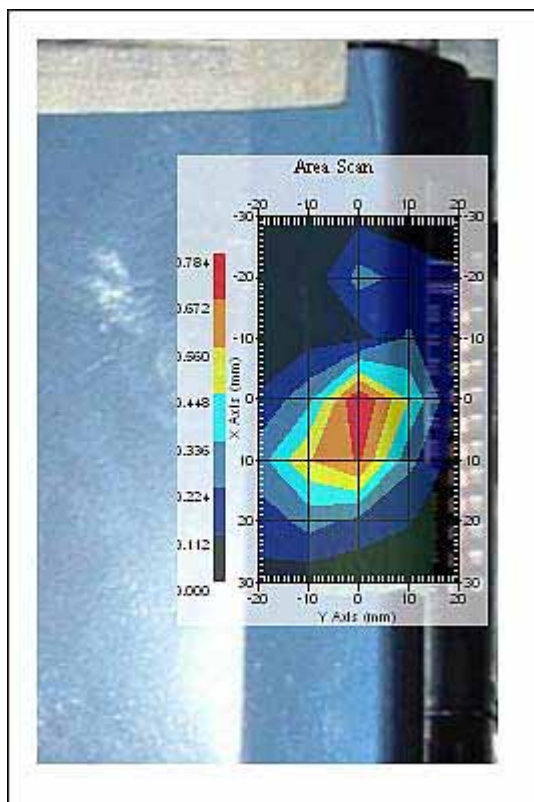
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 10-Jun-2008
 Set-up Time : 9:07:25 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low

Project number: ITLB-6AMP-5294



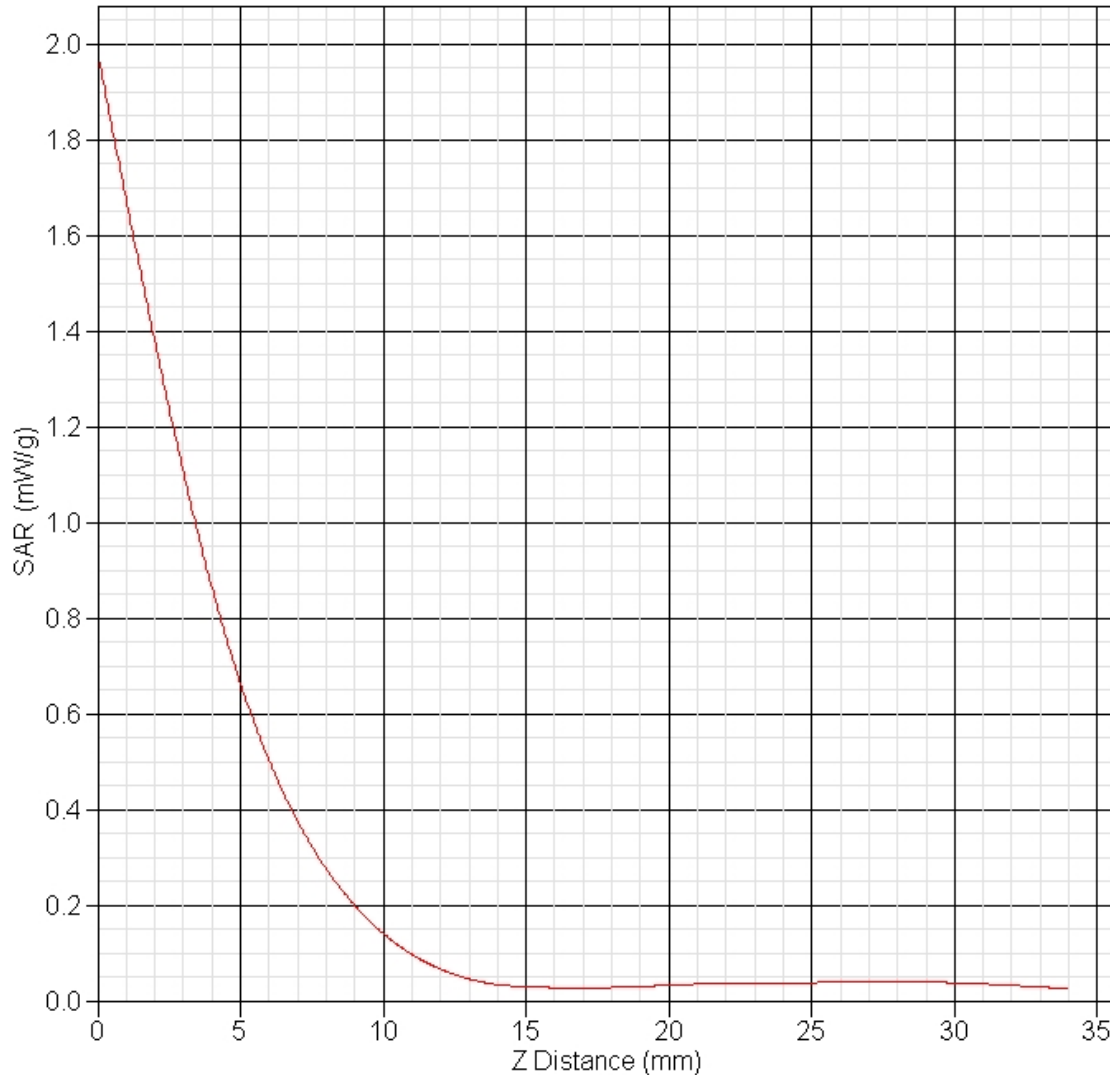


1 gram SAR value : 0.774 W/kg
 Zoom Scan Peak SAR : 1.981 W/kg

Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	1.5	rectangular	•3	1	1	0.8	0.8
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	1.4	normal	1	0.7	0.5	0.8	0.7
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.4	normal	1	0.6	0.5	0.8	0.7
Combined Uncertainty		RSS				8.9	8.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				17.9	16.8

SAR-Z Axis at Hotspot x:4.05 y:-0.13



Project number: ITLB-6AMP-5294

51 Spectrum Way
Ottawa ON Canada K2R 1E6
© 2005 APREL Laboratories
E. & O.E.



This report shall not be reproduced, except in full, without written approval of APREL Laboratories



SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

SAR Test Report

Report Date : 10-Jun-2008
 By Operator : 123
 Measurement Date : 10-Jun-2008
 Starting Time : 10-Jun-2008 07:16:01 PM
 End Time : 10-Jun-2008 08:29:09 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Pacino Acon front
 Serial No. : ITLB-Dell-Pacino-Acon-5340
 Type : Other
 Model : APL
 Frequency : 5785.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 90 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.033 W/kg
 Power Drift-Finish: 0.031 W/kg
 Power Drift (%) : -3.968
 Picture : Pacino-acon-front

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : User Define
 Location : Center
 Description : U

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5800.00 MHz
 Last Calib. Date : 09-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 45.89 F/m
 Sigma : 6.27 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 5800.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.2
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
 Compression Point: 95.00 mV
 Offset : 0.44 mm

Measurement Data

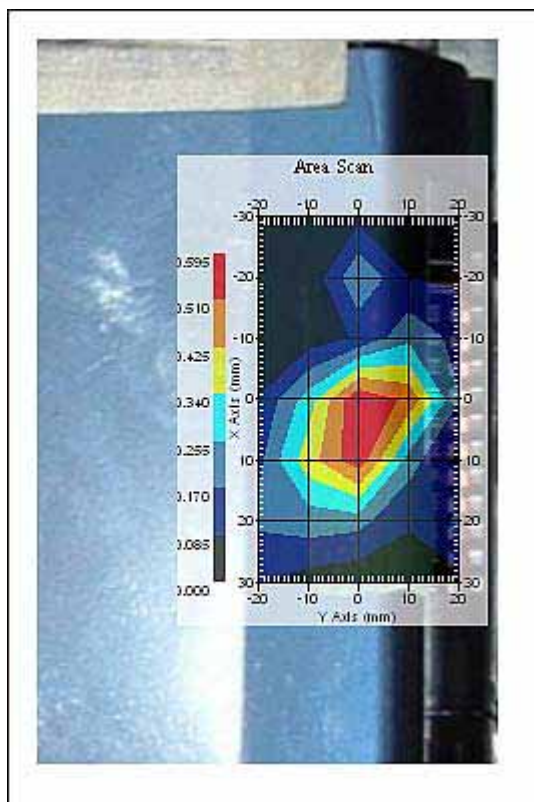
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 10-Jun-2008
 Set-up Time : 9:07:25 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294





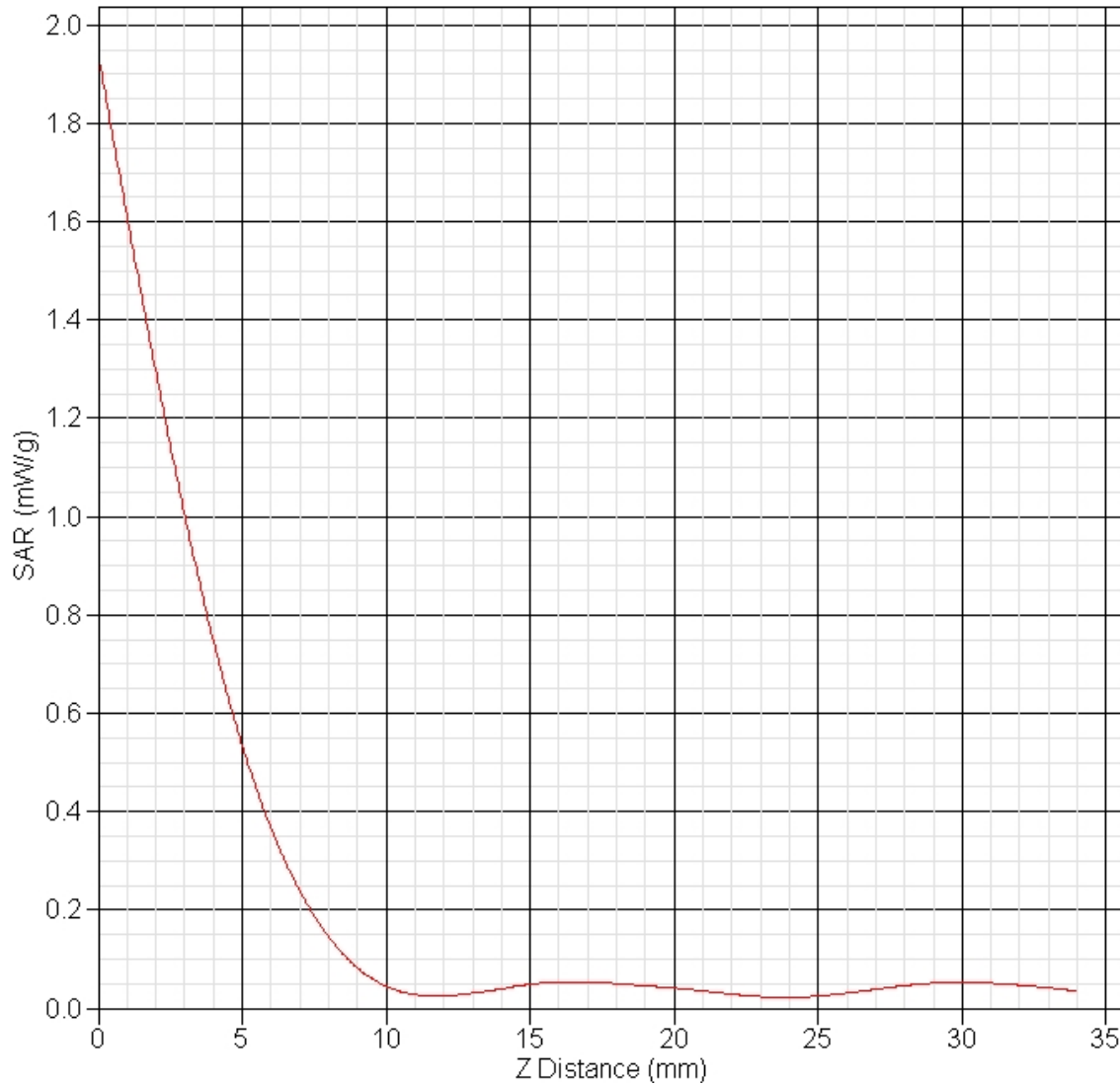
1 gram SAR value : 0.627 W/kg
 Zoom Scan Peak SAR : 1.941 W/kg

Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	3.0	rectangular	•3	1	1	1.7	1.7
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	4.5	normal	1	0.7	0.5	3.1	2.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	4.8	normal	1	0.6	0.5	2.9	2.4
Combined Uncertainty		RSS				11.6	10.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				23.2	20.9

SAR-Z Axis

at Hotspot x:0.05 y:3.88





SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

SAR Test Report

Report Date : 10-Jun-2008
 By Operator : 123
 Measurement Date : 10-Jun-2008
 Starting Time : 10-Jun-2008 08:32:36 PM
 End Time : 10-Jun-2008 09:55:42 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Pacino Acon front
 Serial No. : ITLB-Dell-Pacino-Acon-5340
 Type : Other
 Model : APL
 Frequency : 5785.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 90 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.030 W/kg
 Power Drift-Finish: 0.028 W/kg
 Power Drift (%) : -1.701
 Picture : Pacino-acon-front

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : User Define
 Location : Center
 Description : U

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5800.00 MHz
 Last Calib. Date : 09-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 45.89 F/m
 Sigma : 6.27 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 5800.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.2
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
 Compression Point: 95.00 mV
 Offset : 0.44 mm

Measurement Data

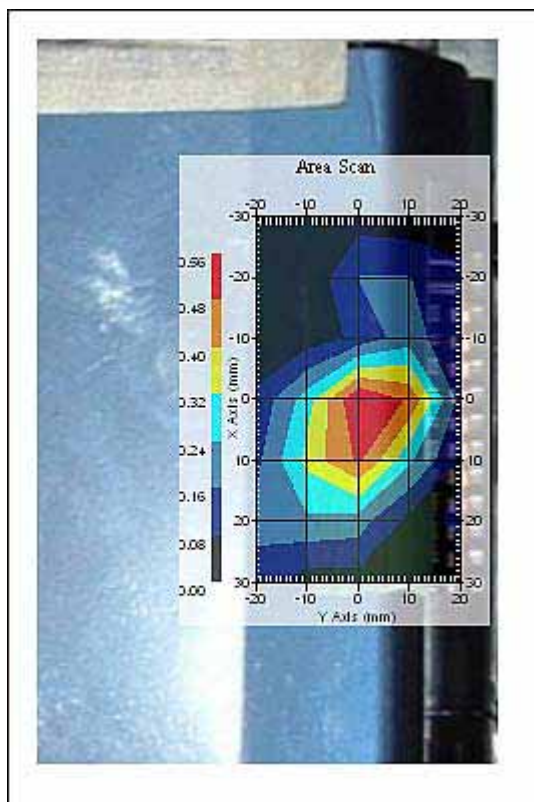
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 10-Jun-2008
 Set-up Time : 9:07:25 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294





1 gram SAR value : 0.587 W/kg
 Zoom Scan Peak SAR : 1.651 W/kg

Project number: ITLB-6AMP-5294

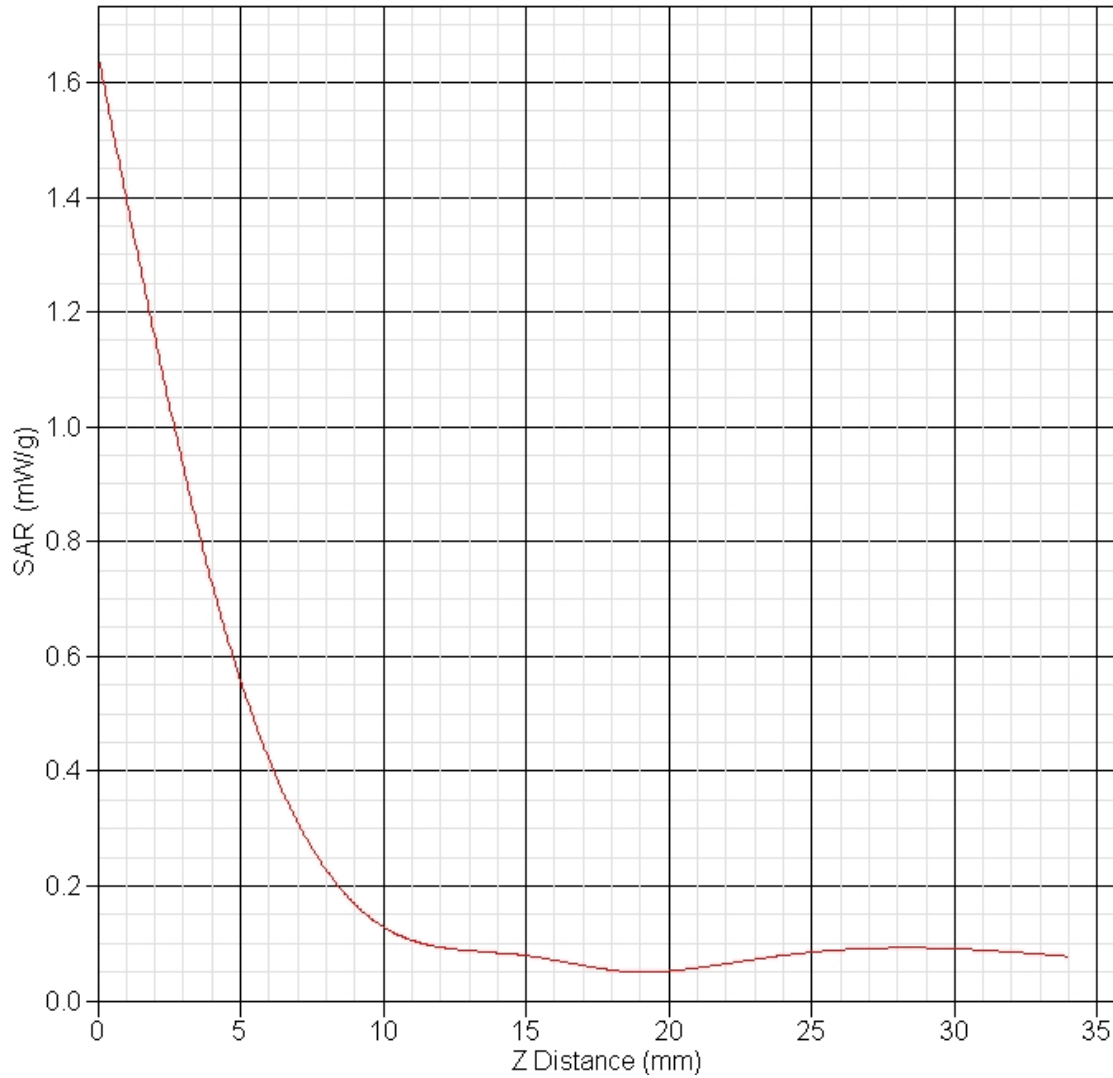


Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	1.7	rectangular	•3	1	1	1.0	1.0
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	4.5	normal	1	0.7	0.5	3.1	2.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	4.8	normal	1	0.6	0.5	2.9	2.4
Combined Uncertainty		RSS				11.25	10.1
Combined Uncertainty (coverage factor=2)		Normal (k=2)				22.5	20.2

SAR-Z Axis

at Hotspot x:4.04 y:3.88



Project number: ITLB-6AMP-5294

51 Spectrum Way
Ottawa ON Canada K2R 1E6
© 2005 APREL Laboratories
E. & O.E.



This report shall not be reproduced, except in full, without written approval of APREL Laboratories



SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

SAR Test Report

Report Date : 10-Jun-2008
 By Operator : 123
 Measurement Date : 10-Jun-2008
 Starting Time : 10-Jun-2008 10:08:39 PM
 End Time : 10-Jun-2008 11:21:51 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Pacino Acon front
 Serial No. : ITLB-Dell-Pacino-Acon-5340
 Type : Other
 Model : APL
 Frequency : 5795.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 90 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.062 W/kg
 Power Drift-Finish : 0.059 W/kg
 Power Drift (%) : -2.230
 Picture : Pacino-acon-front

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : User Define
 Location : Center
 Description : U

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5800.00 MHz
 Last Calib. Date : 09-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 45.89 F/m
 Sigma : 6.27 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





SAR & HAC Instruments for Wireless • Consulting • Research • Standards • Compliance • Training

Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 5800.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.2
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 0.44 mm

Measurement Data

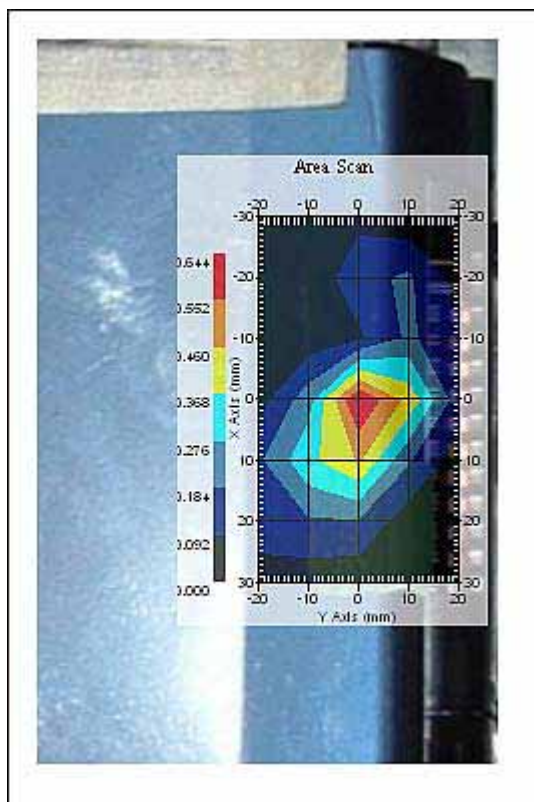
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 10-Jun-2008
 Set-up Time : 9:07:25 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294





1 gram SAR value : 0.656 W/kg
Zoom Scan Peak SAR : 1.701 W/kg

Project number: ITLB-6AMP-5294

51 Spectrum Way
Ottawa ON Canada K2R 1E6
© 2005 APREL Laboratories
E. & O.E.



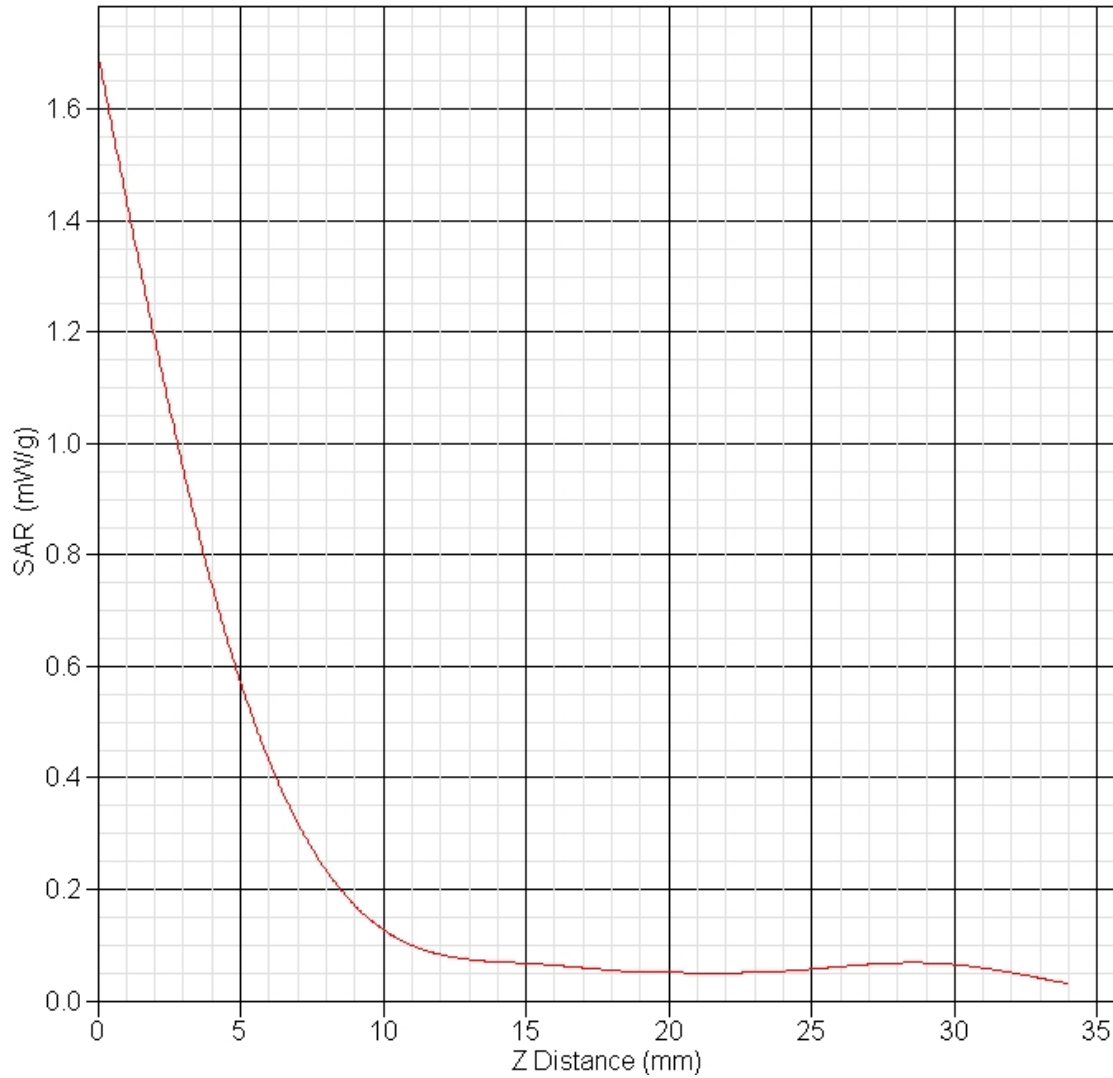
This report shall not be reproduced, except in full, without written approval of APREL Laboratories

Page 104 of 37
www.aprel.com
info@aprel.com
Phone (613) 820-2730
Fax (613) 820-4161

Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	2.2	rectangular	•3	1	1	1.2	1.2
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	4.5	normal	1	0.7	0.5	3.1	2.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	4.8	normal	1	0.6	0.5	2.9	2.4
Combined Uncertainty		RSS				18.7	18.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				11.3	10.2

SAR-Z Axis at Hotspot x:4.04 y:-0.13



Project number: ITLB-6AMP-5294

51 Spectrum Way
Ottawa ON Canada K2R 1E6
© 2005 APREL Laboratories
E. & O.E.



This report shall not be reproduced, except in full, without written approval of APREL Laboratories