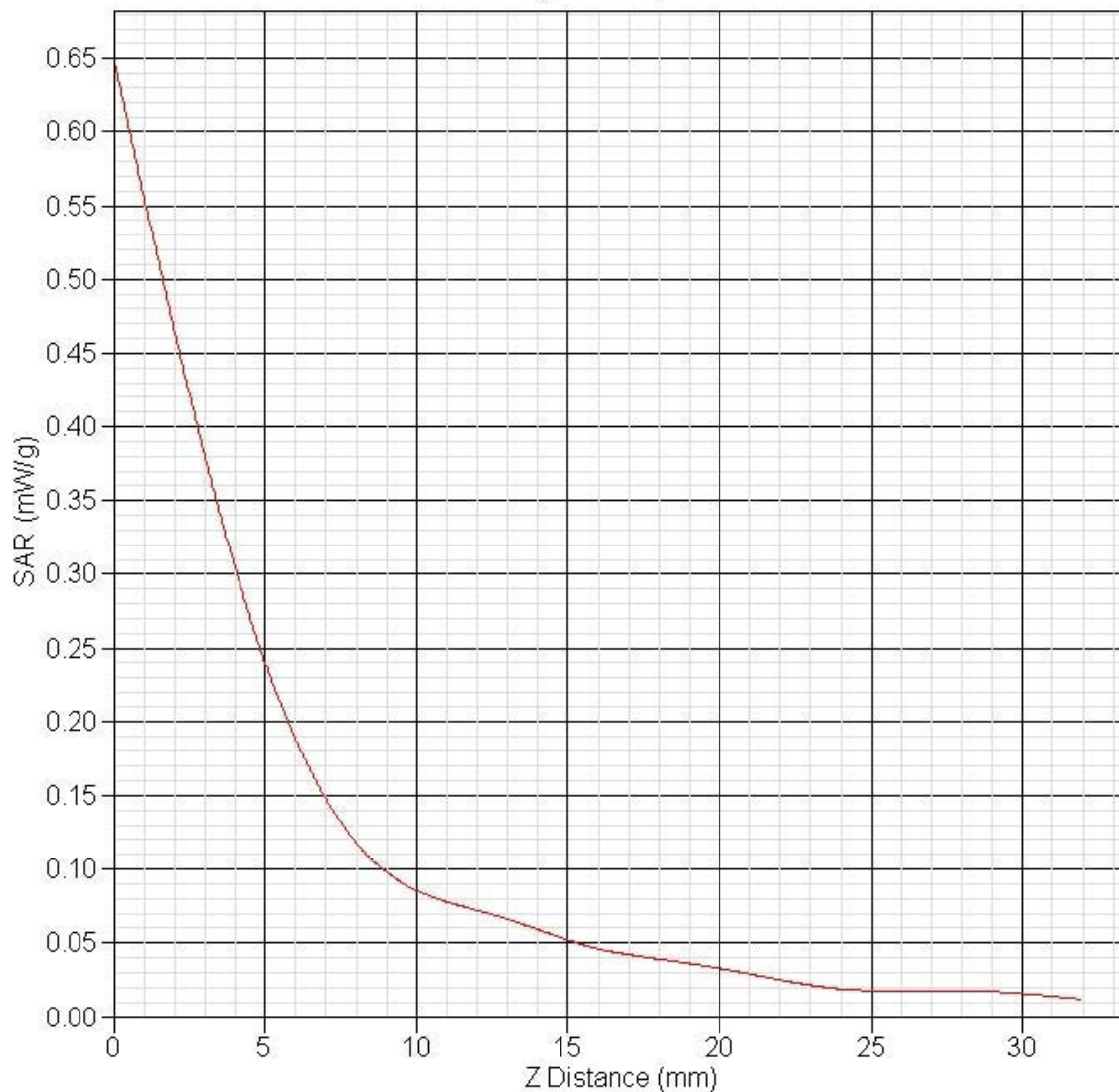


SAR-Z Axis

at Hotspot x:-7.95 y:-0.15





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SAR Test Report

Report Date : 18-Sep-2008
 By Operator : 123
 Measurement Date : 18-Sep-2008
 Starting Time : 18-Sep-2008 08:57:27 AM
 End Time : 18-Sep-2008 09:13:26 AM
 Scanning Time : 959 secs

Product Data
 Device Name : Pacino Acon front
 Serial No. : 5352
 Type : Other
 Model : PAC-E2-V1
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 135 mm
 Width : 90 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.002 W/kg
 Power Drift-Finish : 0.002 W/kg
 Power Drift (%) : 3.238
 Picture : C:\alsas\bitmap\Pac-5352-front.bmp

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : System Default
 Location : Center
 Description : SD

Tissue Data
 Type : BODY
 Serial No. : 2450_B
 Frequency : 2450.00 MHz
 Last Calib. Date : 17-Sep-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 50.98 F/m
 Sigma : 1.97 S/m
 Density : 1000.00 kg/cu. m





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Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 2450.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 4.01
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

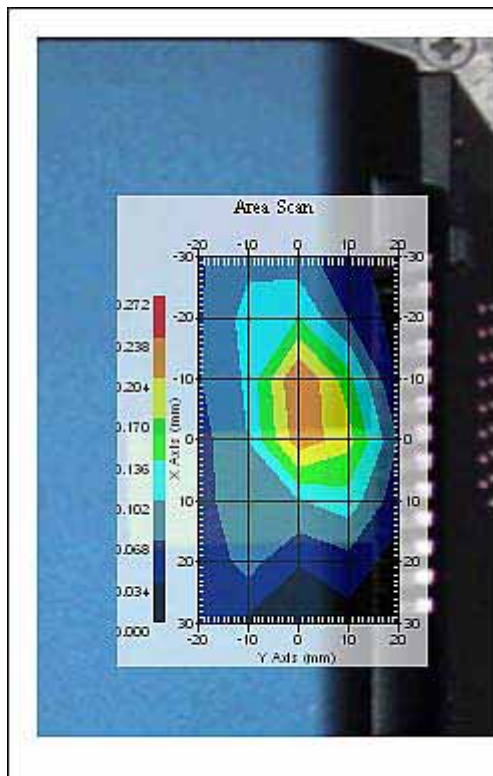
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 18-Sep-2008
 Set-up Time : 8:54:24 AM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





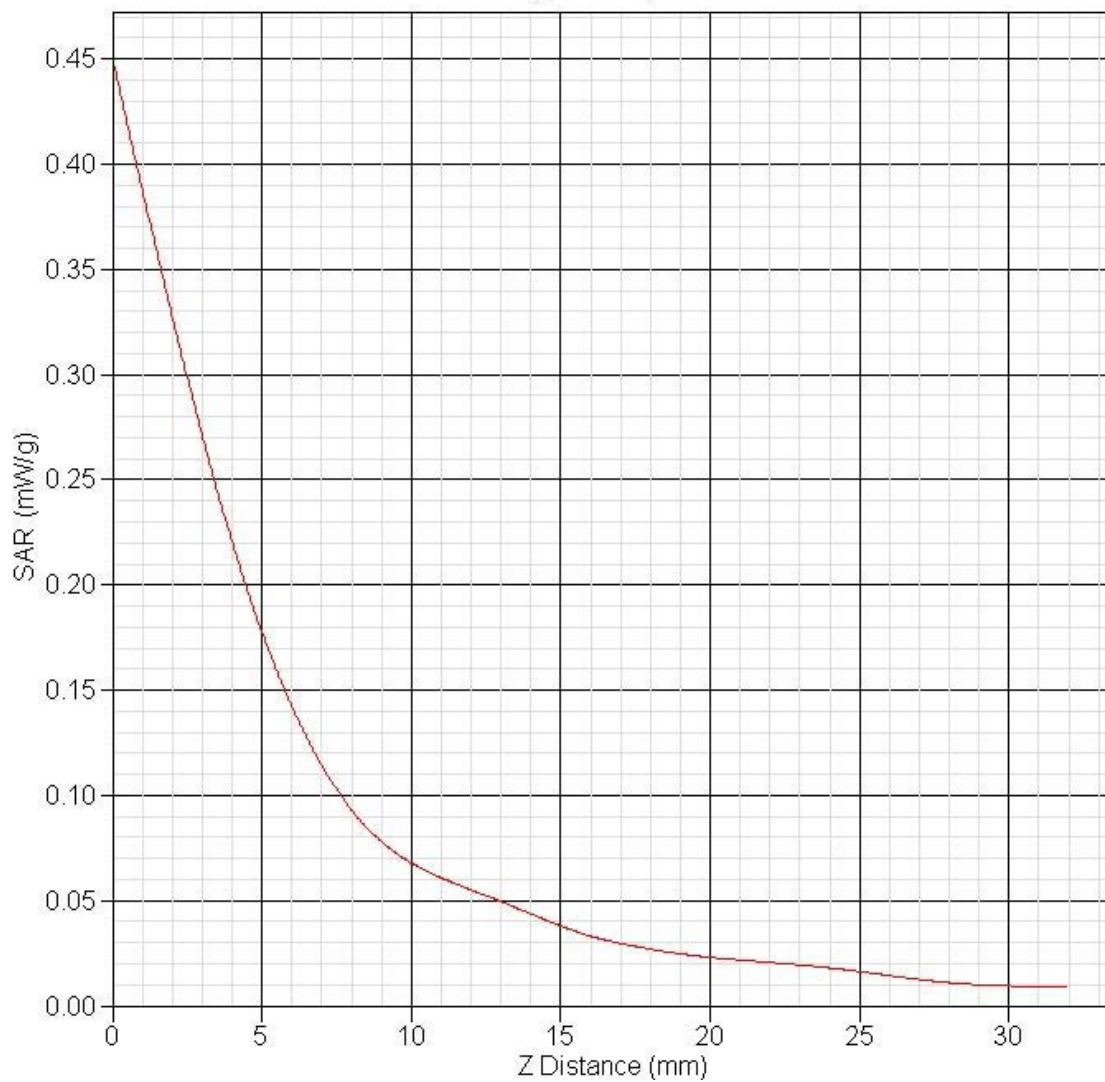
1 gram SAR value : 0.194 W/kg
 Zoom Scan Peak SAR : 0.450 W/kg

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	3.2	rectangular	•3	1	1	1.8	1.8
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	1.0	normal	1	0.7	0.5	0.7	0.5
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.3	normal	1	0.6	0.5	2	1.6
Combined Uncertainty		RSS				10.2	8.7
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.4	17.4

SAR-Z Axis

at Hotspot x:-1.74 y:-0.09





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SAR Test Report

Report Date : 18-Sep-2008
 By Operator : 123
 Measurement Date : 18-Sep-2008
 Starting Time : 18-Sep-2008 09:45:05 AM
 End Time : 18-Sep-2008 10:01:03 AM
 Scanning Time : 958 secs

Product Data
 Device Name : Pacino Acon front
 Serial No. : 5352
 Type : Other
 Model : PAC-E2-V1
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 135 mm
 Width : 90 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.004 W/kg
 Power Drift-Finish : 0.005 W/kg
 Power Drift (%) : 3.961
 Picture : C:\alsas\bitmap\Pac-5352-front.bmp

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : System Default
 Location : Center
 Description : SD

Tissue Data
 Type : BODY
 Serial No. : 2450_B
 Frequency : 2450.00 MHz
 Last Calib. Date : 17-Sep-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 50.98 F/m
 Sigma : 1.97 S/m
 Density : 1000.00 kg/cu. m





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Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 2450.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 4.01
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

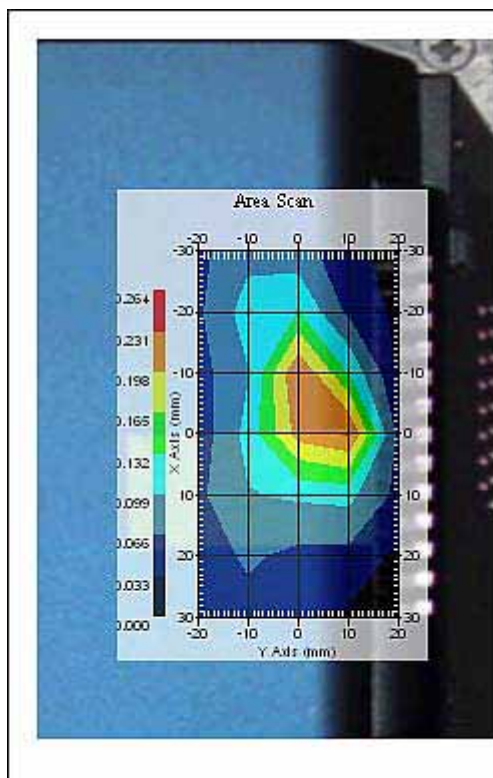
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 18-Sep-2008
 Set-up Time : 9:44:46 AM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





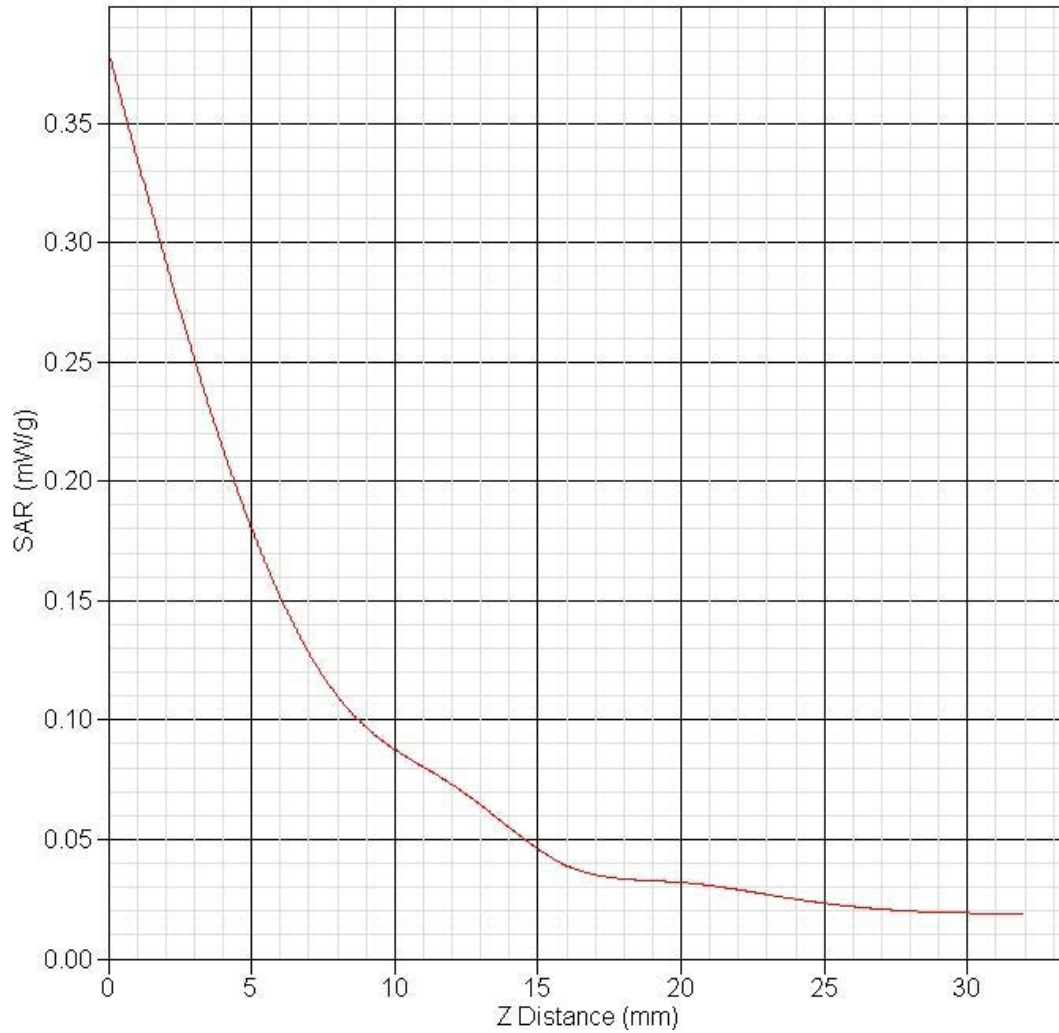
1 gram SAR value : 0.185 W/kg
Zoom Scan Peak SAR : 0.380 W/kg

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	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	1.0	normal	1	0.7	0.5	0.7	0.5
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.3	normal	1	0.6	0.5	2	1.6
Combined Uncertainty		RSS				10.7	9.2
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.4	18.4

SAR-Z Axis

at Hotspot x:-1.69 y:-0.10





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SAR Test Report

Report Date : 25-Sep-2008
 By Operator : 123
 Measurement Date : 25-Sep-2008
 Starting Time : 25-Sep-2008 10:48:11 AM
 End Time : 25-Sep-2008 12:09:34 PM
 Scanning Time : 1283 secs

Product Data
 Device Name : Pacino Acon front
 Serial No. : 5352
 Type : Other
 Model : APL
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 135 mm
 Width : 80 mm
 Depth : 10 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.001 W/kg
 Power Drift-Finish : 0.001 W/kg
 Power Drift (%) : 0.000
 Picture : C:\alsas\bitmap\Pac-5352-front.bmp

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : System Default
 Location : Center
 Description : SD

Tissue Data
 Type : BODY
 Serial No. : 5200-B
 Frequency : 5200.00 MHz
 Last Calib. Date : 24-Sep-2008
 Temperature : 20.00 °C
 Ambient Temp. : 21.00 °C
 Humidity : 40.00 RH%
 Epsilon : 48.08 F/m
 Sigma : 5.09 S/m
 Density : 1000.00 kg/cu. m





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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 : 1.56 mm

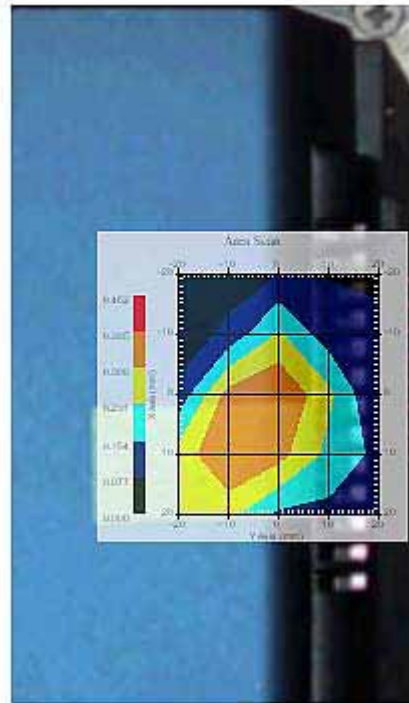
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 25-Sep-2008
 Set-up Time : 11:47:20 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 8x8x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





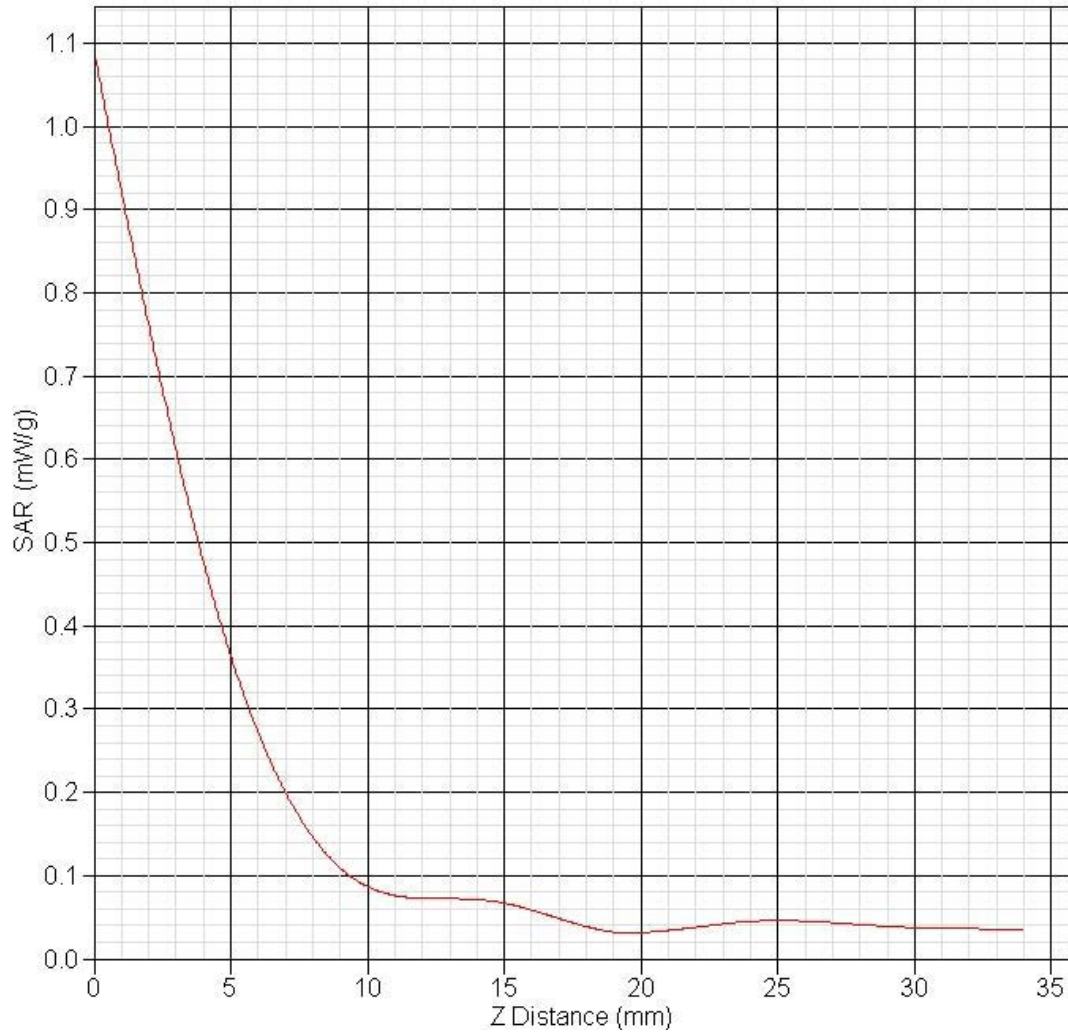
1 gram SAR value : 0.417 W/kg
Zoom Scan Peak SAR : 1.090 W/kg

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	0.0	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.)	4.9	normal	1	0.7	0.5	3.4	2.4
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.7	normal	1	0.6	0.5	1.0	0.8
Combined Uncertainty		RSS				9.9	9.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.8	18.8

SAR-Z Axis

at Hotspot x:5.07 y:-0.12





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SAR Test Report

Report Date : 20-Sep-2008
 By Operator : 123
 Measurement Date : 20-Sep-2008
 Starting Time : 20-Sep-2008 12:24:16 PM
 End Time : 20-Sep-2008 01:45:17 PM
 Scanning Time : 1261 secs

Product Data
 Device Name : Pacino Acon front
 Serial No. : 5352
 Type : Other
 Model : APL
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 135 mm
 Width : 80 mm
 Depth : 10 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.029 W/kg
 Power Drift-Finish : 0.028 W/kg
 Power Drift (%) : -3.802
 Picture : C:\alsas\bitmap\Pac-5352-front.bmp

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : System Default
 Location : Center
 Description : SD

Tissue Data
 Type : BODY
 Serial No. : 5200-B
 Frequency : 5200.00 MHz
 Last Calib. Date : 19-Sep-2008
 Temperature : 20.00 °C
 Ambient Temp. : 21.00 °C
 Humidity : 40.00 RH%
 Epsilon : 48.04 F/m
 Sigma : 5.10 S/m
 Density : 1000.00 kg/cu. m





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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 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

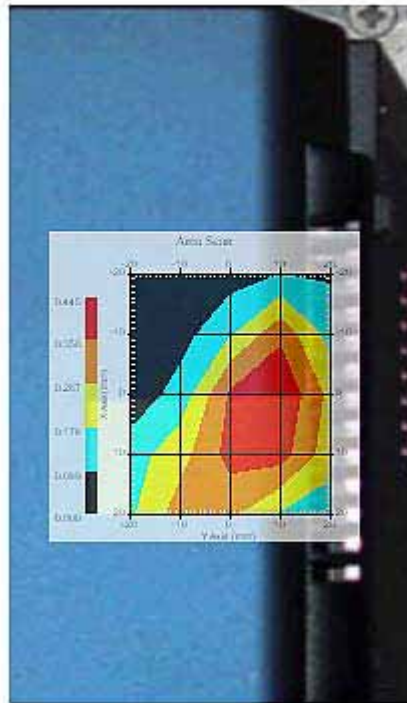
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 20-Sep-2008
 Set-up Time : 12:23:47 PM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 8x8x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





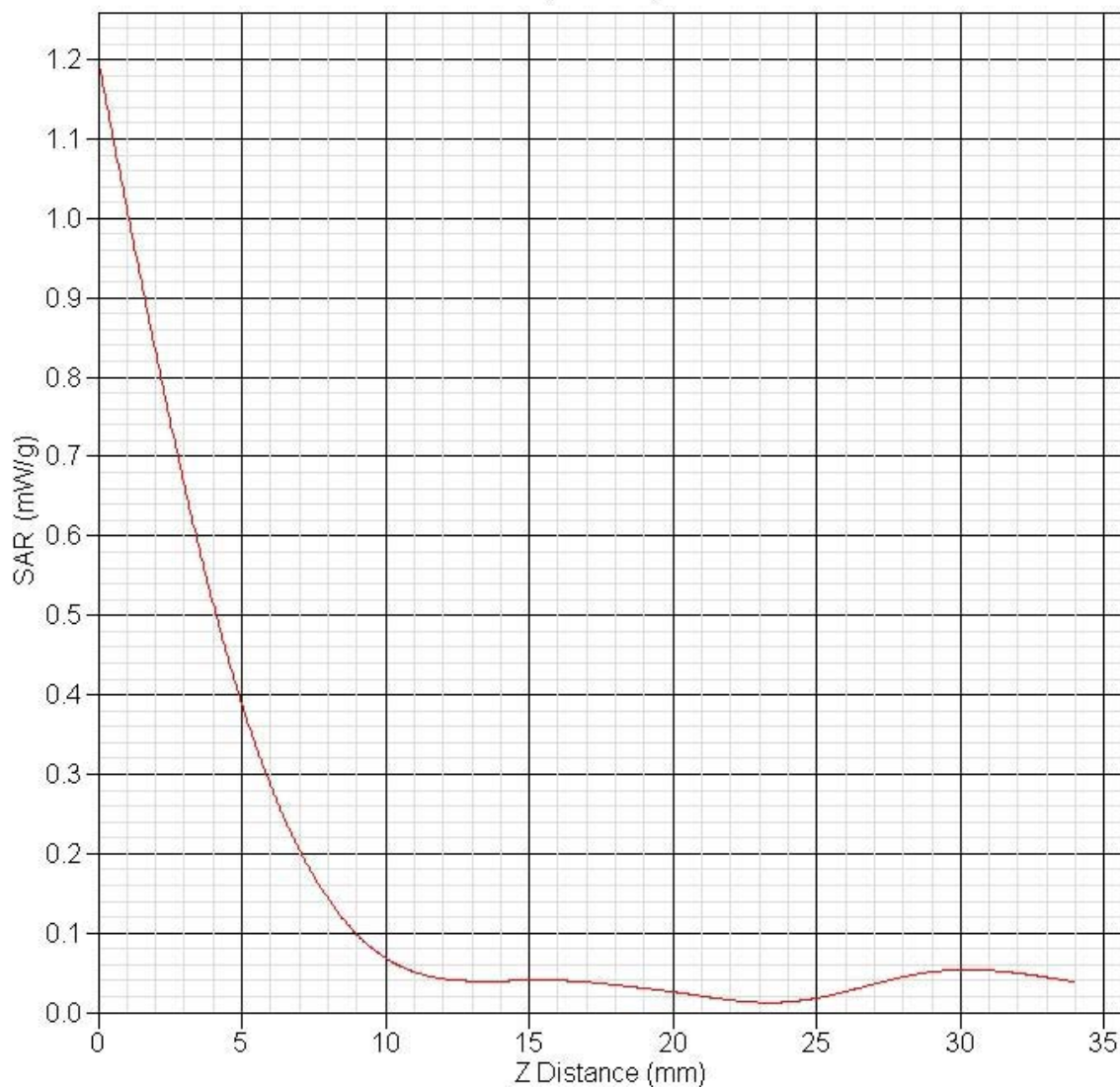
1 gram SAR value : 0.464 W/kg
 Zoom Scan Peak SAR : 1.200 W/kg

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	3.8	rectangular	•3	1	1	2.2	2.2
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	4.7	normal	1	0.7	0.5	3.3	2.3
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.8	normal	1	0.6	0.5	1.1	0.9
Combined Uncertainty		RSS				12.3	10.2
Combined Uncertainty (coverage factor=2)		Normal (k=2)				24.6	20.4

SAR-Z Axis

at Hotspot x:0.06 y:9.85





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SAR Test Report

Report Date : 22-Sep-2008
 By Operator : 123
 Measurement Date : 22-Sep-2008
 Starting Time : 22-Sep-2008 08:36:05 AM
 End Time : 22-Sep-2008 09:57:19 AM
 Scanning Time : 1274 secs

Product Data
 Device Name : Pacino Acon front
 Serial No. : 5352
 Type : Other
 Model : APL
 Frequency : 5600.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 135 mm
 Width : 80 mm
 Depth : 10 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.099 W/kg
 Power Drift-Finish : 0.095 W/kg
 Power Drift (%) : -4.936
 Picture : C:\alsas\bitmap\Pac-5352-front.bmp

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : System Default
 Location : Center
 Description : SD

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5600.00 MHz
 Last Calib. Date : 19-Sep-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 46.57 F/m
 Sigma : 5.67 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-Acon-5352
 FCC ID: E2K533ANH

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 Ottawa ON Canada K2R 1E6
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Page 63 of 38
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 info@aprel.com
 Phone (613) 820-2730
 Fax (613) 820-4161



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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: 3.9
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

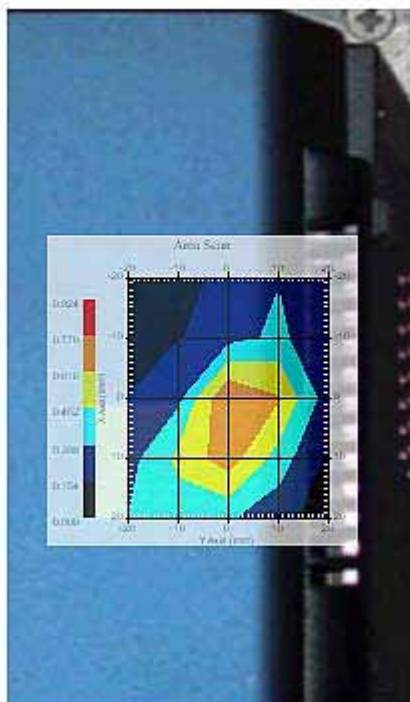
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 22-Sep-2008
 Set-up Time : 8:35:01 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 8x8x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





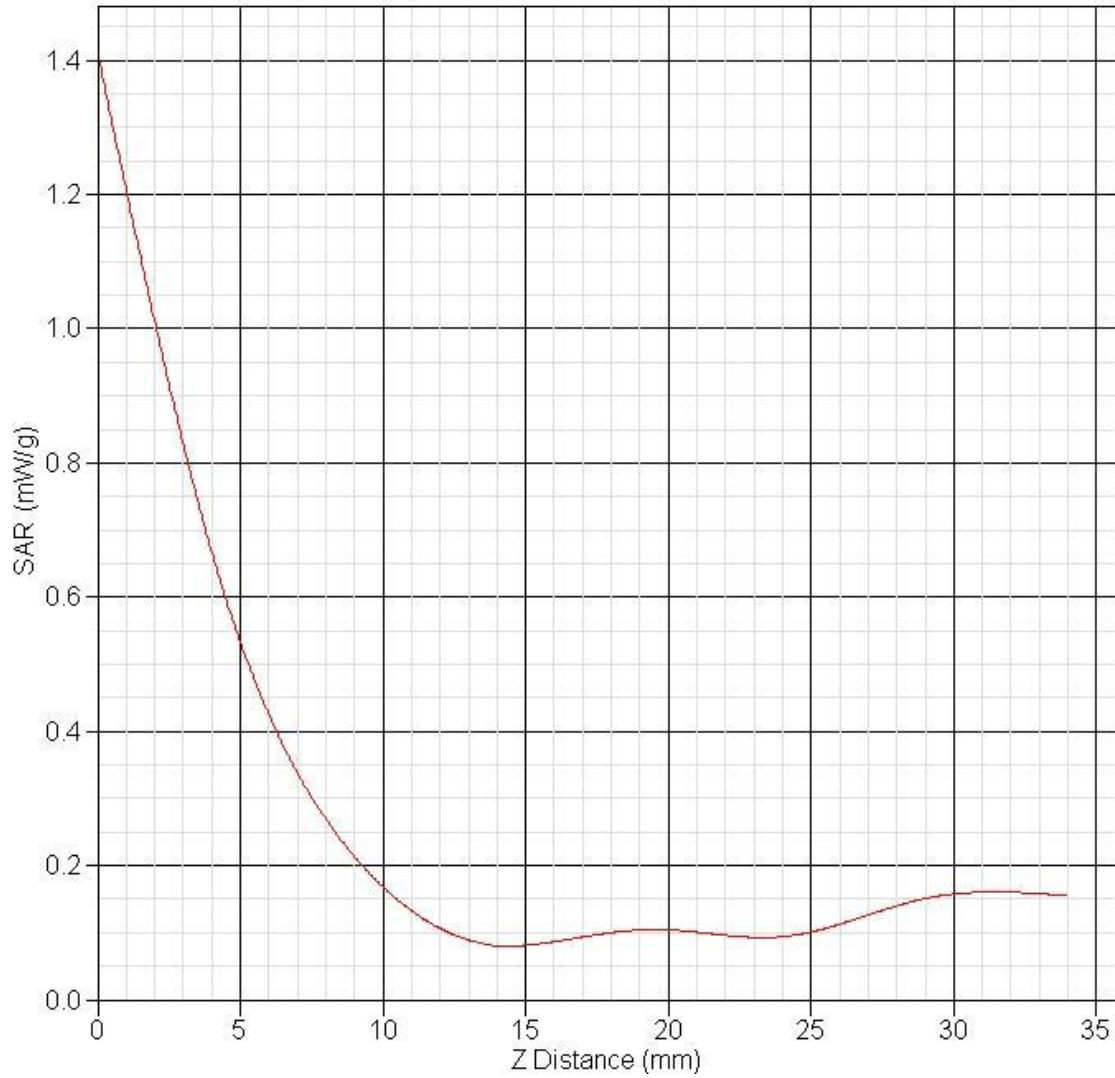
1 gram SAR value : 0.647 W/kg
Zoom Scan Peak SAR : 1.411 W/kg

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	5.0	rectangular	•3	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	1.4	normal	1	0.7	0.5	1	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				10.4	9.1
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.8	18.2

SAR-Z Axis

at Hotspot x:5.28 y:-0.10





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SAR Test Report

Report Date : 22-Sep-2008
 By Operator : 123
 Measurement Date : 22-Sep-2008
 Starting Time : 22-Sep-2008 10:13:59 AM
 End Time : 22-Sep-2008 11:35:12 AM
 Scanning Time : 1273 secs

Product Data
 Device Name : Pacino Acon front
 Serial No. : 5352
 Type : Other
 Model : APL
 Frequency : 5600.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 135 mm
 Width : 80 mm
 Depth : 10 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.075 W/kg
 Power Drift-Finish : 0.074 W/kg
 Power Drift (%) : -1.984
 Picture : C:\alsas\bitmap\Pac-5352-front.bmp

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : System Default
 Location : Center
 Description : SD

Tissue Data
 Type : BODY
 Serial No. : 5600BB
 Frequency : 5600.00 MHz
 Last Calib. Date : 19-Sep-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 46.57 F/m
 Sigma : 5.67 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-Acon-5352
 FCC ID: E2K533ANH

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 Ottawa ON Canada K2R 1E6
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Page 68 of 38
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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: 3.9
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

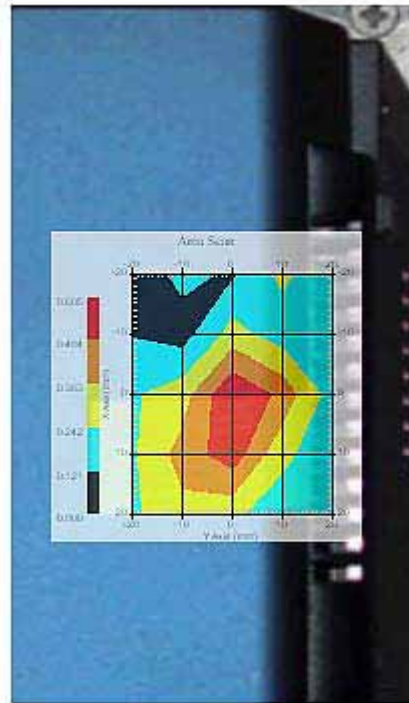
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 22-Sep-2008
 Set-up Time : 10:13:42 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 8x8x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





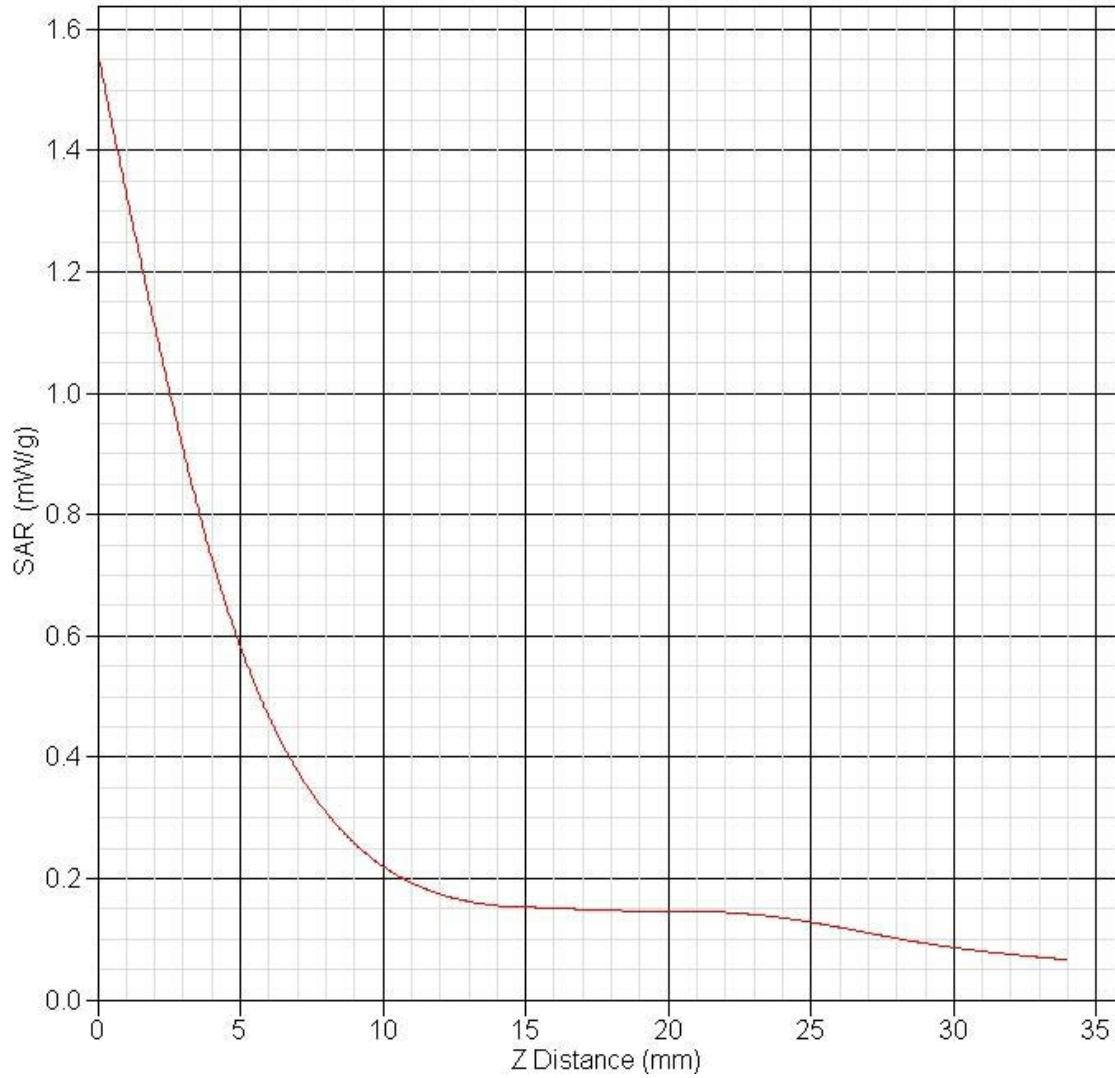
1 gram SAR value : 0.647 W/kg
Zoom Scan Peak SAR : 1.561 W/kg

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	2.0	rectangular	•3	1	1	1.1	1.1
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	1.4	normal	1	0.7	0.5	1	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				8.6	7.3
Combined Uncertainty (coverage factor=2)		Normal (k=2)				17.2	14.6

SAR-Z Axis

at Hotspot x:5.05 y:-0.12





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SAR Test Report

Report Date : 22-Sep-2008
 By Operator : 123
 Measurement Date : 22-Sep-2008
 Starting Time : 22-Sep-2008 11:13:42 AM
 End Time : 22-Sep-2008 12:34:58 PM
 Scanning Time : 1276 secs

Product Data
 Device Name : Pacino Acon front
 Serial No. : 5352
 Type : Other
 Model : PAC-E2-V1
 Frequency : 5800.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 80 mm
 Depth : 13 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish : 0.011 W/kg
 Power Drift (%) : 3.558
 Picture : C:\alsas\bitmap\Pac-5352-front.bmp

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : System Default
 Location : Center
 Description : SD

Tissue Data
 Type : BODY
 Serial No. : 5800-B
 Frequency : 5800.00 MHz
 Last Calib. Date : 19-Sep-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.23 F/m
 Sigma : 5.99 S/m
 Density : 1000.00 kg/cu. m





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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: 3.9
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

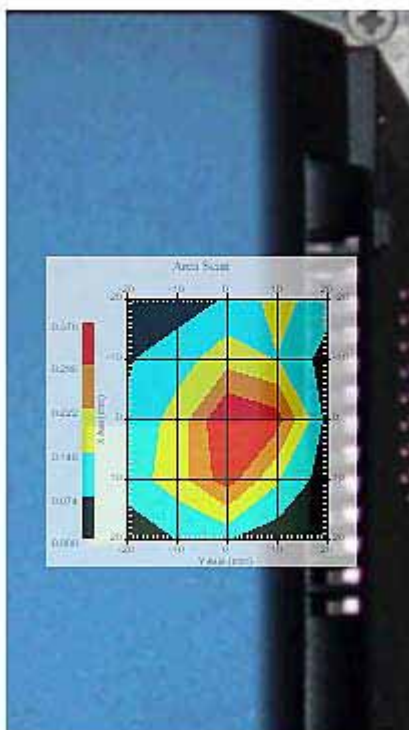
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 22-Sep-2008
 Set-up Time : 11:13:22 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 8x8x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





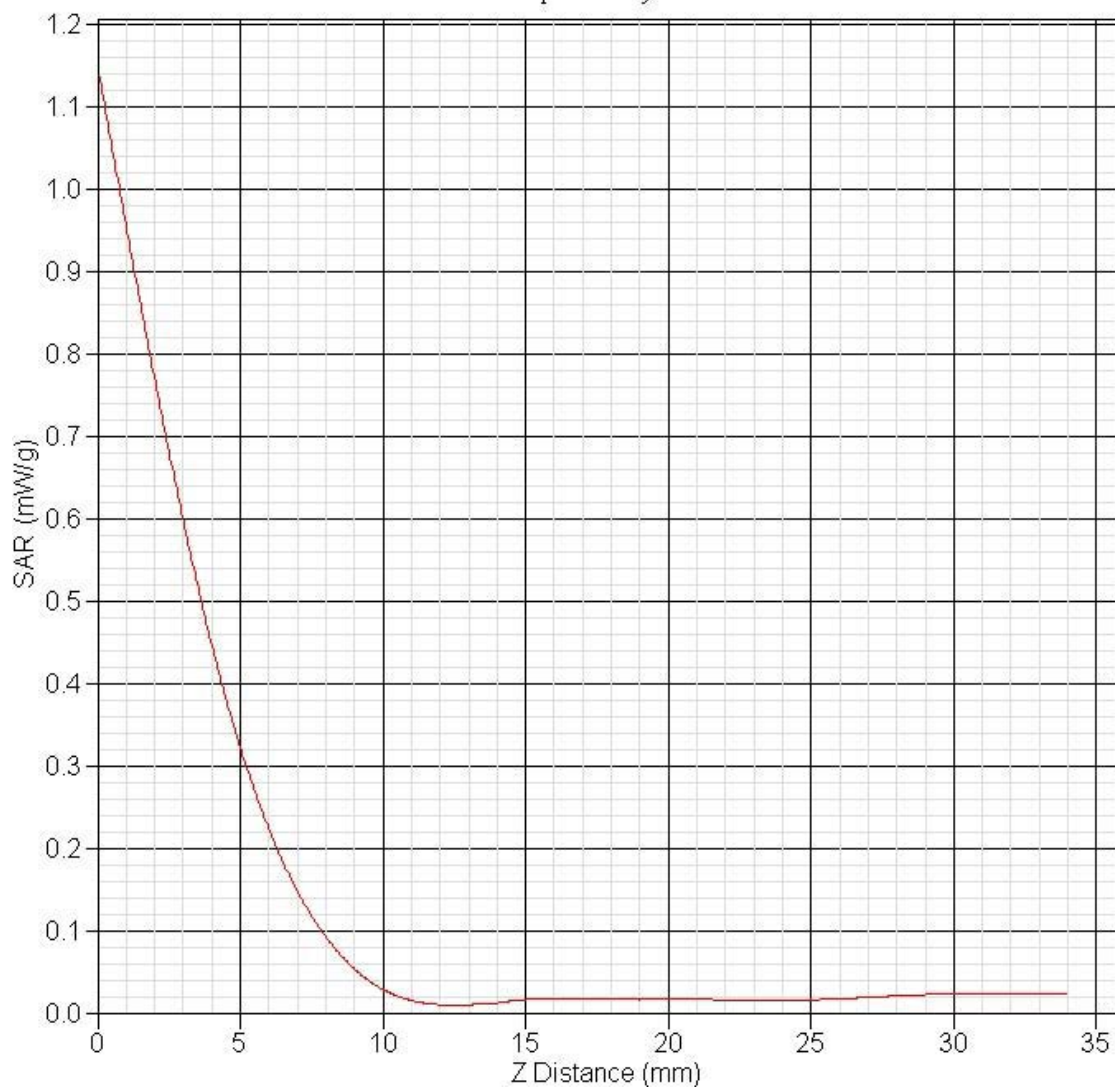
1 gram SAR value : 0.436 W/kg
 Zoom Scan Peak SAR : 1.150 W/kg

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	3.6	rectangular	•3	1	1	2.1	2.1
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	0.2	normal	1	0.7	0.5	0.1	0.1
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	4.1	normal	1	0.6	0.5	2.5	2
Combined Uncertainty		RSS				10.4	9
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.8	18

SAR-Z Axis

at Hotspot x:5.06 y:-0.10





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SAR Test Report

Report Date : 22-Sep-2008
 By Operator : 123
 Measurement Date : 22-Sep-2008
 Starting Time : 22-Sep-2008 01:05:47 PM
 End Time : 22-Sep-2008 02:26:57 PM
 Scanning Time : 1270 secs

Product Data
 Device Name : Pacino Acon front
 Serial No. : 5352
 Type : Other
 Model : PAC-E2-V1
 Frequency : 5800.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 80 mm
 Depth : 13 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.008 W/kg
 Power Drift-Finish : 0.009 W/kg
 Power Drift (%) : 6.287
 Picture : C:\alsas\bitmap\Pac-5352-front.bmp

Phantom Data
 Name : APREL-Uni
 Type : Uni-Phantom
 Size (mm) : 280 x 280 x 200
 Serial No. : System Default
 Location : Center
 Description : SD

Tissue Data
 Type : BODY
 Serial No. : 5800-B
 Frequency : 5800.00 MHz
 Last Calib. Date : 19-Sep-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.23 F/m
 Sigma : 5.99 S/m
 Density : 1000.00 kg/cu. m





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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: 3.9
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

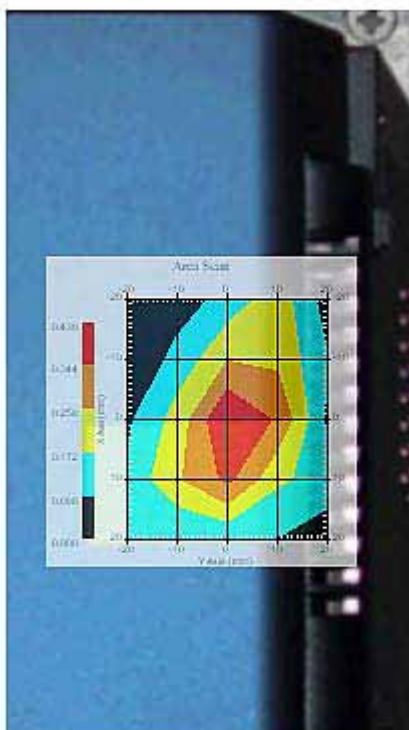
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 22-Sep-2008
 Set-up Time : 1:05:13 PM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 8x8x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 0.397 W/kg
Zoom Scan Peak SAR : 1.110 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	6.2	rectangular	•3	1	1	3.6	3.6
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	0.2	normal	1	0.7	0.5	0.1	0.1
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	4.1	normal	1	0.6	0.5	2.5	2
Combined Uncertainty		RSS				11.9	10.5
Combined Uncertainty (coverage factor=2)		Normal (k=2)				23.8	21

SAR-Z Axis at Hotspot x:5.03 y:-0.12

